N00101.AR.002560
NAS SOUTH WEYMOUTH
5090.3a

FINAL MAINTENANCE ACTIVITIES COMPLETION REPORT FOR BUILDING 82 HANGAR 2

NAS SOUTH WEYMOUTH MA

08/22/2011

TETRA TECH EC

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND, ATLANTIC
REMEDIAL ACTION CONTRACT (RAC)
CONTRACT NO. N62472-99-D-0032
CONTRACT TASK ORDER NO. 0048

BUILDING 82/HANGAR 2
FINAL MAINTENANCE ACTIVITIES COMPLETION REPORT
FORMER NAVAL AIR STATION SOUTH WEYMOUTH (NAS SOWEY)
SOUTH WEYMOUTH, MASSACHUSETTS

August 22, 2011

Prepared for

Department of the Navy
Naval Facilities Engineering Command, Mid-Atlantic
9742 Maryland Avenue
Norfolk, VA 23511-3095

and

Base Realignment and Closure
Program Management Office, Northeast
4911 South Broad Street
Philadelphia, PA 19112-1303

Prepared by

Tetra Tech EC, Inc.
160 Federal Street, 3rd floor
Boston, MA 02110

Revision	Date	Prepared by	Approved by	Pages Affected
0	7/21/11	J. Dziekan	B. Corbett	All
1	8/22/11	J. Dziekan	B. Corbett	Cover Sheet, Page 8 of Table 2-12, Page 18 of Appendix A

TABLE OF CONTENTS

1.0 INTRODUCTION 1-1

2.0 WORK PERFORMED 2-1
- 2.1 Chronological Timeline 2-1
- 2.2 Hangar 2 Soil Boring Activities 2-1
- 2.3 Pre-Mobilization Site Setup 2-2
- 2.4 Mobilization 2-2
  - 2.4.1 Site Preparation 2-2
  - 2.4.2 Site Security 2-2
  - 2.4.3 Laydown Area 2-2
  - 2.4.4 Clearing and Erosion Controls 2-2
  - 2.4.5 Water Diversion 2-3
  - 2.4.6 Decontamination Operations 2-3
  - 2.4.7 Concrete and Seam Characterization for Asbestos 2-3
- 2.5 ACM Removal 2-3
- 2.6 Concrete Removal 2-3
- 2.7 Gas-Trap Manhole and Associated Piping Removal 2-3
  - 2.7.1 Field Screening 2-4
  - 2.7.2 Investigatory Sample Collection 2-4
  - 2.7.3 Confirmatory Sample Collection and Analysis 2-4
- 2.8 Limited Removal Action Activities 2-5
  - 2.8.1 Investigatory Soil Borings 2-5
  - 2.8.2 Soil Removal 2-5
  - 2.8.3 Field Screening 2-5
  - 2.8.4 Confirmatory Sample Collection and Analysis 2-6
- 2.9 Drainage Ditch Sediment Removal 2-6
  - 2.9.1 Confirmatory Sample Collection 2-7
- 2.10 Site Restoration 2-7
  - 2.10.1 GTMs 2-7
  - 2.10.2 LRA 2-7
  - 2.10.3 Drainage Ditch 2-7
- 2.11 Demobilization 2-7

3.0 WASTE TRANSPORTATION AND DISPOSAL 3-1
- 3.1 ACM 3-1
- 3.2 Solid Waste 3-1
- 3.3 Piping Contents 3-1
- 3.4 Soil 3-1
- 3.5 Decontamination Water 3-1

4.0 DEVIATIONS FROM WORK PLAN 4-1
- 4.1 ACM Removal 4-1
- 4.2 Dismantling and Reconstruction of LRA Fencing 4-1

5.0 CONCLUSION 5-1

6.0 REFERENCES 6-1

TABLES

Table 2-1 Building 82 Maintenance Action – Floor Drain System EPH Analytical Data Summary
Table 2-2 Building 82 Maintenance Action – Floor Drain System VPH Analytical Data Summary
Table 2-3 Building 82 Maintenance Action – Floor Drain System TAL Metals Analytical Data Summary
Table 2-4 Building 82 Maintenance Action – Floor Drain System VOCs Analytical Data Summary
Table 2-5 Building 82 Maintenance Action – Floor Drain System Pesticides Analytical Data Summary
Table 2-6 Building 82 Maintenance Action – Monitoring Well VOC Analytical Data Summary
Table 2-7 GTM Piping Lengths and Depths
Table 2-8 Building 82 Maintenance Action – GTMs Investigatory EPH Analytical Data Summary
Table 2-9 Building 82 Maintenance Action – GTMs Investigatory VPH Analytical Data Summary
Table 2-10 Building 82 Maintenance Action – GTMs Investigatory TAL Metals Analytical Data Summary
Table 2-11 Building 82 Maintenance Action – GTMs Investigatory VOCs Analytical Data Summary
Table 2-12 Building 82 Maintenance Action – GTMs Confirmatory EPH Analytical Data Summary
Table 2-13 Building 82 Maintenance Action – GTMs Confirmatory VPH Analytical Data Summary
Table 2-14 Building 82 Maintenance Action – GTMs Confirmatory TAL Metals Analytical Data Summary
Table 2-15 Building 82 Maintenance Action – GTMs Confirmatory VOCs Analytical Data Summary
Table 2-16 Confirmatory Sample Locations Coordinates
Table 2-17 Building 82 Maintenance Action – LRA Investigatory EPH Analytical Data Summary
Table 2-18 Building 82 Maintenance Action – LRA Investigatory VPH Analytical Data Summary
Table 2-19 Building 82 Maintenance Action – LRA Confirmatory EPH Analytical Data Summary
Table 2-20 Building 82 Maintenance Action – LRA Confirmatory VPH Analytical Data Summary
Table 2-21 Building 82 Maintenance Action – Drainage Ditch Confirmatory PAH Analytical Data Summary
Table 2-22 Building 82 Maintenance Action – Waste Characterization TPH Analytical Data Summary
Table 2-23 Building 82 Maintenance Action – Waste Characterization VOCs Analytical Data Summary
Table 2-24 Building 82 Maintenance Action – Waste Characterization SVOCs Analytical Data Summary
Table 2-25 Building 82 Maintenance Action – Waste Characterization Metals Analytical Data Summary
Table 2-26 Building 82 Maintenance Action – Waste Characterization Pesticides Analytical Data Summary
Table 2-27 Building 82 Maintenance Action – Waste Characterization PCBs Analytical Data Summary
Table 3-1 Waste Disposal Summary

FIGURES

Figure 1-1	Site Location Map
Figure 2-1	Building 82 Maintenance Actions Site Layout
Figure 2-2	Hangar 2 Floor Drain Configuration
Figure 2-3	GTMs Removal Site Layout (with sample locations)
Figure 2-4	LRA Site Layout (with sample locations)
Figure 2-5	Drainage Ditch Site Layout (with sample locations)

APPENDICES

Appendix A	Photographic Log
Appendix B	Asbestos Containing Material Documentation
Appendix C	Soil Boring Profiles (with Field Screening Results)
Appendix D	Certified Clean Fill Letter
Appendix E	Laboratory Analytical Results/Data Validation
Appendix F	Waste Transportation and Disposal Documentation

ABBREVIATIONS AND ACRONYMS

ACM	asbestos containing material
bgs	below ground surface
CY	cubic yards
EFANE	Engineering Field Activity, Northeast
EPA	U.S. Environmental Protection Agency
EPC	exposure point concentration
EPG	Environmental Partners Group, Inc.
EPH	extractable petroleum hydrocarbons
GTM	gas-trap manhole
µg/Kg	micrograms per kilogram
LRA	Limited Removal Action
MassDEP	Massachusetts Department of Environmental Protection
MCP	Massachusetts Contingency Plan
mg/L	milligrams per liter
NAS SOWEY	Naval Air Station South Weymouth
PAHs	polynuclear aromatic hydrocarbons
PCB	polychlorinated biphenyls
PID	photoionization detector
ppm	parts per million
ppmv	parts per million per volume
RAC	Remedial Action Contract
SSTTDC	South Shore Tri-Town Development Corporation
TCLP	toxicity characteristic leaching procedure
TPH	total petroleum hydrocarbons
TtEC	Tetra Tech EC, Inc.
USACE	U.S. Army Corps of Engineers
VOCs	volatile organic compounds
VPH	volatile petroleum hydrocarbons

1.0 INTRODUCTION

Tetra Tech EC, Inc. (TtEC) has prepared this Building 82 (Hangar 2) Maintenance Activities Completion Report for the Former Naval Air Station South Weymouth (NAS SOWEY), South Weymouth, Massachusetts under the Naval Facility Engineering Command, Atlantic, formerly the Engineering Field Activity, Northeast (EFANE) Remedial Action Contract (RAC) N62472-99-0032. This Completion Report is intended to describe the completed maintenance actions in the vicinity of Building 82 in accordance with the Final Addendum Work Plan for Piping and Soil/Sediment Removal Activities at Building 82- Hangar 2, dated August 19, 2010 (TtEC 2010). Figure 1-1 provides the Site Location Map.

Groundwater, soil and sediment had been sampled during previous field investigations at Building 82 to determine levels of chemical constituents present at the site (see Tetra Tech NUS, Inc. [TtNUS] Remedial Investigation Report for further information). The scope of the maintenance actions and additional investigation, discussed herein, were agreed upon by the Navy, the U.S. Environmental Protection Agency (EPA), and the Massachusetts Department of Environmental Protection (MassDEP) during the April 8, 2010 project manager's meeting.

Two excavations were completed. The first was classified as a Limited Removal Action (LRA) under the Massachusetts Contingency Plan (MCP) and occurred at the locations where Environmental Partners Group, Inc. (EPG), on behalf of LNR Corporation, Inc. observed petroleum contaminated soil extending beneath the Building 82 concrete apron. The LRA activities were limited to a volume of 100 cubic yards (CY) for soil contaminated solely by a release of oil or waste oil. The second excavation was the excavation of soil/sediment from the northern drainage channel that exhibited elevated levels of polynuclear aromatic hydrocarbons (PAHs) at TtNUS sample location SD-100. This second excavation was conducted by the Navy and classified as a maintenance action as per prior agreements with the regulatory agencies.

The removal of the Gas-Trap Manholes (GTM) and soil borings was completed to further investigate areas of possible contamination and to ascertain if excavation was warranted at these locations.

2.0 WORK PERFORMED

The objective (as described within the Work Plan) was to reduce the levels of known contamination in soil/sediment to below the MCP S-1 criteria and to collect confirmatory samples at locations where elevated chemical concentrations were removed during previous activities. Field activities included the following:

- Soil Borings (Hangar 2 and LRA locations)
- Pre-Mobilization Site Setup
- Mobilization and Site Preparation (including vegetative clearing and installation of erosion controls)
- Removal of Asbestos Containing Material (Pavement Caulking)
- Concrete Removal
- GTM and Associated Piping Removal
- LRA Activities
- Drainage Ditch Excavation Activities
- Field Screening
- Investigatory Soil Sampling
- Confirmatory Soil Sampling
- Transportation and Off-Site Disposal of Excavated Material
- Site Restoration
- Demobilization

Figure 2-1 provides the site layout showing the details of the removal areas. All work was conducted in accordance with the requirements of 29 CFR 1926, Subpart P and the U.S. Army Corps of Engineers (USACE) Safety and Health Requirements Manual EM-385-1-1.

2.1 Chronological Timeline

8/9/10 – 8/13/10	Hangar 2 Soil Boring Activities
8/30/10 – 9/2/10	Mobilization and Asbestos Containing Material (ACM) Removal
9/1/10 – 9/3/10	Concrete Cutting/Removal
9/7/10 – 9/13/10	GTMs and Piping Removal
9/14/10 – 9/16/10	Drainage Ditch Soil Removal
9/17/10 – 9/20/10	LRA Activities
9/27/10 – 9/29/10	Drainage Ditch and LRA Area Restoration Activities
9/30/10	Reconstruct Vinyl Fencing
10/6/10 – 10/8/10	GTM Restoration Activities and Demobilization

2.2 Hangar 2 Soil Boring Activities

Ten Geoprobe borings were completed to investigate locations where previous soil removals had occurred. One core sample per location was collected. Analytical sampling occurred at the depths (and for the analytes) specified in Table 5-1 of the Work Plan as follows:

- MW 200 — 4 borings – one sample collected at center at 3 feet below ground surface (bgs) and 3 samples collected radially at 2 feet bgs
- FDS-4 — 4 borings – four samples collected at the groundwater interface (approximately 7 feet bgs)

- FDS-5 1 boring – one sample collected at the groundwater interface (approximately 7 feet bgs)
- FDS-6 1 boring – one sample collected at the groundwater interface (approximately 7 feet bgs)

The analytical data was screened against the MCP S-1 criteria and no exceedances were encountered. All analyses were performed in accordance with the analytical methods shown in Table 5-1 of the Work Plan. Tables 2-1, 2-2, 2-3, 2-4, and 2-5 provide the analytical data comparison tables for the floor drain system borings. Table 2-6 and Figure 2-1 depict the locations of these borings.

2.3 Pre-Mobilization Site Setup

As part of the pre-mobilization activities, Dig Safe utility mark-out service was notified to obtain the locations of any utilities in the general vicinity of the work area. Locations of investigatory borings were adjusted accordingly. The EPA and MassDEP were notified in advance of the field activities. The South Shore Tri-Town Development Corporation (SSTTDC) Conservation Commission was notified of the planned clearing, excavation, and restoration operations. Photographs (contained within Appendix A) were taken prior to intrusive activities to document each maintenance action. Additionally, the GTMs and associated drain lines, apron excavation area, and corresponding concrete saw cuts were marked out during the pre-mobilization site setup. Temporary fencing (placed around open excavations) was also delivered during this time.

2.4 Mobilization

2.4.1 Site Preparation

NAS SOWEY Building 4A was used as the TtEC field office. TtEC delivered the primary equipment during the first day of operations and mobilized additional equipment and personnel as needed at various times during the implementation of the work tasks identified in this plan.

Site zones were established to prevent contaminant migration throughout the site and onto off-site roadways. Exclusion zones, contamination reduction zones, and support zones were established at each maintenance action location during mobilization. The preliminary areas designated for access/egress to and from the site were determined in the field and are depicted on Figure 4-1 of the Work Plan.

2.4.2 Site Security

Building 82 is isolated from the general public by chain link fencing. Equipment and materials were secured within the fencing after each day's activities.

2.4.3 Laydown Area

Areas in the vicinity of each maintenance action were employed as laydown areas to stage excavated material. In preparation for an open (i.e., non-concrete) area to stage contaminated material, 6-mil polyethylene was placed on the ground surface. These areas are depicted on Figure 4-1 of the Work Plan.

2.4.4 Clearing and Erosion Controls

Limited clearing was needed to allow access to the drainage ditch excavation. Cleared material was left in the immediate area where clearing was conducted and was not moved or transported off-site. Erosion controls (i.e., haybales and silt fence) were installed after clearing and prior to excavation of the drainage ditch. Haybales and silt fence were installed around the grate of each catch basin located on the apron and

non-woven filter fabric placed under each grate before intrusive activities. The locations of erosion control measures are shown on Figure 4-1 of the Work Plan.

2.4.5 Water Diversion

After clearing, an earthen berm was constructed upgradient of the drainage ditch excavation area to create a retention basin where standing water could be stored. This standing water was then diverted around the excavation area to the twin 42-inch storm sewer lines.

2.4.6 Decontamination Operations

Throughout the duration of field activities, heavy equipment and hand-held equipment that came into contact with potentially contaminated material was dry decontaminated upon completion of the required project operations and prior to traveling from the exclusion zone into other work zones on-site. All equipment and materials were decontaminated per the Health and Safety Plan.

2.4.7 Concrete and Seam Characterization for Asbestos

TtEC sampled the seam material located within the marked-out concrete removal areas to determine the presence/absence of ACM. Three samples were collected and sent off-site for analysis. Two samples were located within the vicinity of the GTMs, and the third sample was located within the vicinity of the LRA area. Results indicated that one sample (out of the three) contained 3 percent ACM.

2.5 ACM Removal

As a result of the ACM analysis described above in Section 2.4.7, and upon discussion with the Navy, it was determined that concrete caulking removal would be performed in accordance with MassDEP asbestos abatement protocols. Therefore, approximately 2 CY (10 bags) of caulking material was removed prior to concrete cutting and soil removal operations occurred at the GTM and LRA sites. The asbestos notification form, test results, and associated letter report are provided in Appendix B.

2.6 Concrete Removal

Concrete removal was completed by saw cutting 5-foot-wide swaths above the GTMs (and associated piping) and the apron LRA area. The concrete was cross-cut approximately every 5 feet to form 5-foot square concrete blocks to be removed by an excavator. The concrete on average was approximately 10 to 12 inches thick without reinforcing rebar. The concrete was stockpiled at the point of its extraction and was not transported off-site for disposal.

2.7 Gas-Trap Manhole and Associated Piping Removal

TtEC removed the four GTMs (approximately 4 feet by 4 feet by 10 feet) and associated 15-inch piping beginning at the outer wall of the hangar and ending at the 42-inch stormwater line. Additionally, the 3-inch and 4-inch piping connecting D1 to GTM-1 was removed (see Figure 2-2). Table 2-7 depicts the lengths and depths of the piping that was removed. Following the concrete removal, the GTMs and piping were exposed by excavating the overlying fill material. In accordance with the Work Plan, the overlying material was determined to be non-impacted and was stockpiled for use as fill during restoration. The field engineer visually inspected the GTMs and piping for evidence of damage and recorded any deficiencies in the log book. Piping was disconnected/cut at the joints and removed from the trench as a means to ensure the collection of any sediment still trapped within the piping. The piping was then cleaned for recycling. The resulting sediment was drummed for off-site disposal. Depth to groundwater was gauged at nearby monitoring wells prior to intrusive work to determine if groundwater would be

encountered. No dewatering activities were necessary. The excavation remained open (surrounded by hard fencing) until sample results were received. The excavations were restored as described in Section 2.10 below.

2.7.1 Field Screening

At piping deficiencies, joints and soil adjacent to the GTMs, visual/olfactory observations were recorded and jar headspace readings were determined with a photoionization detector (PID). The combination of these field screen methodologies was used to direct the analytical sample collection process. Jar headspace readings were very low. None of the piping exhibited evidence of leakage or potential release.

2.7.2 Investigatory Sample Collection

One grab sample was collected below each of the removed GTMs. The sampling location below each GTM was selected based on visual/olfactory observations and jar headspace readings. In accordance with the Work Plan, no additional samples were collected at piping deficiencies or joints, since they did not exhibit jar headspace readings greater than 20 parts per million per volume (ppmv) and visual/olfactory observations did not indicate a release.

Each of the four GTMs required excavation based on the analytical data from the initial grab samples collected from below the structure. GTM 1 exceeded the criteria for extractable petroleum hydrocarbons (EPH), volatile petroleum hydrocarbons (VPH), and volatile organic compounds (VOCs) (half reporting limit). GTM 2 exceeded the criteria for VPH, VOCs (half reporting limit), and metals (cadmium). GTM 3 exceeded the criteria for EPH, VPH, and VOCs (half reporting limit). GTM 4 exceeded the criteria for EPH and VOCs (half reporting limit).

The analytical data were screened against the MCP S-1 criteria. Tables 2-8, 2-9, 2-10, and 2-11 contain the investigatory sample analytical comparison tables for the GTMs.

2.7.3 Confirmatory Sample Collection and Analysis

Based on the investigatory sample exceedances described above in Section 2.7.2, soil removal was warranted at each of the four GTMs. Approximately 5 feet of soil was removed in all directions (bottom and all four sidewalls) at all GTMs. It should be noted that this 5 feet of soil removal was conducted after the GTM structures had been removed (and sloughing of the sides). As a result, the final excavation dimension was larger. The northeastern sidewall of each of the excavations went close to the foundation of Hangar 2. Visual and olefactory evidence of petroleum contamination was noted in three (GTMs 2, 3, and 4) of the four excavations. One grab sample was collected from the bottom of the excavation, as well as from all four sidewalls, and analyzed for those analytes that exceeded during the investigatory sampling effort.

None of the confirmatory samples exceeded the cleanup criteria. Therefore, no further excavation was warranted. Final excavation dimensions were approximately 20 feet by 20 feet by 15 feet (depth) with approximately 416 CY of soil being removed (total). Tables 2-12, 2-13, 2-14, and 2-15 provide the confirmatory sample results for the GTMs. Table 2-16 provides the GTM confirmatory sample location coordinates. Figures 2-2 and 2-3 provides the GTM site layout. The excavations were restored as described in Section 2.10 below.

2.8 Limited Removal Action Activities

2.8.1 Investigatory Soil Borings

The LRA excavation was adjusted based on the investigatory soil borings that were conducted prior to excavation activities. Soil borings were conducted adjacent to the areas of elevated PID readings to estimate the limits of the LRAs and determine the quantity of soil requiring removal. Borings were advanced to 8 feet bgs. Visual and olfactory observations were recorded and jar headspace readings were collected for each one-foot interval. PetroFlag kits were employed to determine total petroleum hydrocarbon (TPH) concentrations of intervals with jar headspace readings greater than 20 ppmv. One sample was screened per boring at the highest headspace reading. Tables 2-17 and 2-18 provide the EPH and VPH off-site analytical results that were utilized to compare field screening results and confirmatory analysis. Appendix C provides the investigatory soil boring profiles with field screening data. As shown on Figure 1 (included in Appendix C) samples collected from Row 1 (LRA 6-A and LRA 10-A) with elevated field screening results were sent off-site for VPH/EPH analysis. These sample locations were collected at depths of 6 and 5 feet, respectively. Based on the field screening results from Row 1, six borings (LRA 5 though 10) were advanced and field screened in Row 2 as shown on Figure 2 (included in Appendix C). Borings 1 through 5 were located in the western potential excavation area (shown on Figure 4-1 of the Work Plan). Given the results of field screening analysis this area was determined to not warrant further investigation and removal activities. Figures 3 and 4 (included in Appendix C) contain the headspace results associated with the borings and field screening information. Figures 5 and 6 (included in Appendix C) contain the Petroflag results associated with the borings and field screening information.

2.8.2 Soil Removal

Soil removal quantities were limited to 100 CY in accordance with the provisions for an LRA under the MCP (310 CMR 40.0318(4)) at each location. The two areas) identified within the *Summary of Access Road Excavation Memorandum* (EPG 2007) with elevated PID readings were re-established and marked-out prior to intrusive activities. The most western location was not excavated per investigatory results described above. The top 3 feet of soil was stripped and stockpiled (after field screening) for use as fill during restoration. The excavations were directed by the field engineer based on jar headspace readings and visual/olfactory observations. Once clean material was reached, samples were collected for field screening and/or offsite analysis as described in Sections 2.8.3 and 2.8.4 below. The excavation remained open (surrounded by hard fencing) until the confirmatory sample results were received and the project objectives had been met. The excavations were restored as described in Section 2.10 below.

2.8.3 Field Screening

A decision-making protocol was used to determine if the LRA area was to be considered clean, if confirmatory samples should be collected for off-site analysis, or if the soil was to be considered contaminated. Soil samples were screened in the field for TPH, which was determined using PetroFlag colorimetric techniques. Chemical field screening results were used to guide the decision-making process at the site along with jar headspace readings and olfactory/visual observations.

Once the proposed limit of excavation was reached, grab samples were collected and analyzed using PetroFlag kits. Per the Work Plan, if the field screening indicated that the TPH concentration was less than 500 parts per million (ppm), no further removal was performed and confirmatory samples were collected for off-site analysis. If screening indicated the TPH concentration was greater than 500 ppm, additional soil removal was performed. Soil removal continued as field personnel determined necessary

and field screening was performed to determine if clean soil had been reached in the same manner as previously discussed. All field screening results were less than 500 ppm.

2.8.4 Confirmatory Sample Collection and Analysis

Discrete confirmatory soil samples were collected (upon the results of field screening indicating TPH levels below 500 ppm) at 25-foot intervals for every 5 feet of excavation depth along the sidewalls and for every 150 square feet of removal area base. The analytical data was screened against the MCP S-1 criteria. All samples were analyzed in accordance with the methods shown in Table 5-1 of the Work Plan. Only one confirmatory sample result (Sample ID SW-14) exceeded any of the MCP S-1 criteria. This exceedance was for the C5-C8 Aliphatics VPH fraction. The sample result was 176,000 micrograms per kilogram (µg/Kg) compared to the RSC-1 value of 100,000 µg/Kg. This sample was collected approximately midway along the excavation on its northern side. At this location, there is only about 1-2 feet of soil to the north before clean fill and a gas line are encountered. Further excavation to the north was not recommended due to the limited potential extent of soil that could have elevated concentrations of this VPH fraction and safety concerns due to the proximity of the gas line. However, a check on the potential significance of this single exceedance of the S-1 criterion was made. First, a hot spot evaluation was performed. The adjacent soil sample results for C5-C8 Aliphatics included SW-13 (<3,100 µg/Kg), SW-8 (10,800 µg/Kg), and SW-7 (<3,100 µg/Kg). In consideration of these results and the MCP definition of a hot spot, this situation would not be considered a hot spot. Accordingly, the arithmetic average of the confirmatory sampling results from the excavation for the C5-C8 Aliphatics VPH fraction was calculated as a potential exposure point concentration (EPC) for future site users. This local average concentration was 15,572 µg/Kg, which is well below the RSC-1 criterion of 100,000 µg/Kg (which also coincides with the MCP S-1 and S-1/GW-1 Method 1 Standards for this VPH fraction). As such, this localized exceedance does not pose any significant risk to individuals performing future activities in this area. The low concentrations of the volatile BTEX compounds detected in these confirmatory samples (mostly xylenes in SW-8) were not above their respective health-based MCP Standards. Based on the confirmatory sampling results and the risk screening checks, the excavation was considered complete.

Final excavation dimensions were approximately 120 feet by 8 feet by 6 feet with approximately 100 CY of soil being removed. Tables 2-19 and 2-20 provide the confirmatory sample results for the LRA. Table 2-16 provides the confirmatory sample location coordinates. Figure 2-4 provides the LRA site layout. The excavations were restored as described in Section 2.10 below.

2.9 Drainage Ditch Sediment Removal

Minimal vegetation clearing was necessary along the access road in order to allow personnel and equipment access to the drainage ditch. Previous sample location SD-100 was re-established and marked-out prior to sediment removal activities. Sediment removal was completed utilizing a low-pressure track-mounted excavator. The three drainage channels that converge and enter the twin 42-inch storm sewer lines at the headwall, where SD-100 was collected, were excavated to their width of approximately 4 feet. Fifteen linear feet from each leg was removed to a depth of 1 foot bgs. Once the proposed limits of excavation were reached, confirmatory grab samples were collected and sent for off-site laboratory analysis. Section 4.6.1 of the Work Plan provides the decision-making protocol for confirmation sampling and further soil removal. Section 5.0 of the Work Plan provides greater detail on the confirmatory sample collection procedures. The concrete apron (located between the wing walls of the structure supporting the twin 42-inch storm sewer lines) was scraped since the sediment presented visual and olfactory signs of contamination. All of the sediment was removed and the concrete scraped with a shovel.

Soil was transported to the Hangar 2 apron. Stockpiled soil was placed on 6-mil polyethylene sheeting. To prevent infiltration of rain water and erosion/runoff from the soil pile, the stockpiles were covered with 6-mil polyethylene sheeting. The soil/sediment did not require dewatering. The excavations were lined with polyethylene sheeting to prevent water from contacting and transmitting possibly contaminated material downstream. The excavation was restored as described in Section 2.10 below.

2.9.1 Confirmatory Sample Collection

Discrete confirmatory samples were collected in the midpoint (approximately 7.5 feet) of each leg of excavation with an additional sample being collected at the TtNUS previous sampling location SD-100. The analytical data were screened against the MCP S-1 criteria. All analyses were performed in accordance with the analytical methods shown in Table 5-1 of the Work Plan.

Additional soil removal was not necessary. Laboratory analyses of all confirmatory samples identified concentrations below the applicable criteria. Approximately 50 CY of soil was removed. Table 2-21 provides the confirmatory sample results for the drainage ditch. Table 2-16 provides the confirmatory sample location coordinates. Figure 2-5 provides the Drainage Ditch site layout. The excavations were restored as described in Section 2.10 below.

2.10 Site Restoration

2.10.1 GTMs

Upon completion of the GTMs and associated piping removal, the disturbed areas were filled to grade with a combination of certified clean fill (Appendix D contains the Certified Clean Fill documentation) and stockpiled overlying material. No concrete replacement was performed. Bucket/track compaction was performed. No seeding was performed.

2.10.2 LRA

The excavated area was filled to grade with a combination of certified clean fill and stockpiled overlying material. No concrete replacement was performed. Bucket/track compaction was performed. No seeding was performed. The sections of the white fence partitioning the new housing development from the work area that had become unstable during the excavation were reassembled and reinstalled to their pre-existing condition.

2.10.3 Drainage Ditch

Following removal of contaminated sediment, the channel sides were sloped to match adjacent channel sides and to create positive drainage throughout the channel. All disturbed areas were lined with erosion fabric and seeded with an appropriate wetland seed mix of annual and perennial native wetland grasses, sedges, and forbs. The species included in the northeast wetland diversity seed mixes are listed in Table 4-2 of the Work Plan.

2.11 Demobilization

TtEC (equipment and personnel) demobilized from NAS SOWEY after completion of field operations on October 8, 2010. Soils (non-hazardous) generated as a result of these activities was transported and disposed off-site on April 13 and April 14 at an approved facility (re-used as daily cover).

3.0 WASTE TRANSPORTATION AND DISPOSAL

Work activities included herein generated five waste streams. These included ACM (concrete caulking material), solid waste (metal piping and gasket material), piping contents (sediment), soil, and decontamination water. These are further described below and summarized in Table 3-1.

3.1 ACM

As described in Section 2.5, the caulking material that was present in between the concrete slabs of the Building 82 apron was determined to be ACM. Approximately 2 CY (10 bags) of caulking material was removed and was disposed of off-site on September 5, 2010.

3.2 Solid Waste

One 30-yard roll-off containing piping (3, 4, and 15-inch) was shipped off-site for disposal. This piping was direct loaded into the on-site roll-off (covered), which containerized the waste until it was transported off-site. Metal gasket material was also encountered at the piping joints. This material was containerized within one 55-gallon drum and sent off-site for recycling on October 7, 2010.

3.3 Piping Contents

The inside of the piping (which was removed) was cleaned prior to disposal. The sediment generated was containerized (three 55-gallon drums), sampled (sample ID: WC-B82-GTM-03), and found to contain polychlorinated biphenyls (PCBs) and elevated levels of lead. The material was determined to be characterized as hazardous upon receiving the results of the toxicity characteristic leaching procedure (TCLP) analysis. Therefore, these materials were properly demarcated, labeled, transported, and shipped off-site for disposal as hazardous waste on December 22, 2010.

3.4 Soil

Approximately 850 tons of soil were generated as a result of these activities. These materials were determined to be characterized as non-hazardous based on off-site waste characterization analysis. One sample (WC-B82-GTM-02) contained elevated levels of lead. However, upon receiving the TCLP analysis results (below 5 milligrams per liter [mg/L]) the material was determined to be non-hazardous.

In summary:

- GTM Removals Approximately 416 CY
- LRA Approximately 100 CY
- Drainage Ditch Approximately 50 CY

Site soils were transported and disposed of off-site on April 13, 2011 and April 14, 2011.

3.5 Decontamination Water

The minimal amount of water that was generated as a result of decontamination procedures implemented during the soil boring program was containerized (in one 55-gallon drum), sampled, and sent off-site for disposal on December 22, 2010.

Tables 2-22 through 2-27 contain the soil waste characterization summary tables. Appendix E contains the laboratory analytical results and associated data validation memos. Appendix F provides the waste transportation and disposal documentation.

4.0 DEVIATIONS FROM WORK PLAN

4.1 ACM Removal

Section 4.2.7 of the Work Plan had discussed the potential ACM issue related to the concrete caulking located on the apron outside of Hangar 2. Upon sampling and analysis (conducted in the field), it was determined that this material was considered to be characterized as ACM. Therefore, the impacted material was removed in accordance with MassDEP asbestos abatement protocols. Section 2.5 describes further how this ACM issue was addressed.

4.2 Dismantling and Reconstruction of LRA Fencing

The LRA excavation was located alongside a newly constructed road. A large vinyl visual barrier fence was located in between this road and the LRA excavation location limiting maneuverability of the excavator. The fence's owner was notified, prior to the performance of intrusive activity, of the potential impact to the fence. Care was taken during the excavation activity; however, two supporting posts (concrete footings) were impacted. Upon discussing with the Navy and concurrence by the fence owner, TtEC removed two panels of this fence along with the impacted concrete footings. Upon completion of excavation and restoration activities at the LRA, the fence was reconstructed to pre-existing condition.

5.0 CONCLUSION

Groundwater, soil and sediment had been sampled during previous field investigations at Building 82 to determine levels of chemical constituents present at the site. During these investigations (see Tetra Tech NUS, Inc. [TtNUS] Remedial Investigation Report for further information), a number of contaminants were identified. The scope of the maintenance actions and additional investigation, discussed herein, were agreed upon by the Navy, EPA, and MassDEP during the April 8, 2010 project manager's meeting.

To achieve the reduction of the levels of known contaminants at the site, two excavations were completed. The first was classified as an LRA under the MCP and occurred at the locations where Environmental Partners Group, Inc. (EPG) on behalf of LNR Corporation, Inc. during redevelopment activities, observed petroleum contaminated soil extending beneath the Building 82 concrete apron. As such, the LRA activities were limited to a volume of 100 CY for soil contaminated solely by a release of oil or waste oil. The second excavation was the excavation of soil/sediment from the northern drainage channel that exhibited elevated levels of PAHs at TtNUS sample location SD-100. This second excavation was conducted by the Navy as a maintenance action. The removal of the GTMs and soil borings was completed to further investigate areas of possible contamination and to ascertain if excavation is warranted at these locations. The objectives of the Work Plan have been accomplished and resulted in the reduction of the levels of known contamination in soil/sediment to below the MCP S-1 criteria.

6.0 REFERENCES

EPG (Environmental Partners Group, Inc.). 2007. Summary of Access Road Excavation Memorandum.

TtEC (Tetra Tech EC, Inc.). 2010. Final Addendum Work Plan for Piping and Soil/Sediment Removal Activities at Building 82- Hangar 2. August 19.

TtNUS (Tetra Tech NUS, Inc.). 2009. Draft-Final Remedial Investigation Report for Building 82. Naval Air Station South Weymouth, Weymouth, Massachusetts. September.

TABLES

Table 2-1
Building 82 Maintenance Action- Floor Drain System
EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
FDS-5	Soil	Naphthalene	U	275	U	4000	N
		Acenaphthylene	U	275	U	1000	N
		Acenaphthene	U	275	U	4000	N
		Fluorene	U	275	U	1000000	N
		Phenanthrene	U	275	U	10000	N
		Anthracene	U	275	U	1000000	N
		Fluoranthene	U	275	U	1000000	N
		Pyrene	U	275	U	1000000	N
		Benzo[a]anthracene	U	275	U	7000	N
		Chrysene	U	275	U	70000	N
		Benzo[b]fluoranthene	U	275	U	7000	N
		Benzo[k]fluoranthene	U	275	U	70000	N
		Benzo[a]pyrene	U	275	U	2000	N
		Dibenz[a,h]anthracene	U	275	U	700	N
		Benzo[g,h,i]perylene	U	275	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	275	U	7000	N
		2-Methylnaphthalene	U	275	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	27500	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	27500	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	27500	U	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
FDS-6	Soil	Naphthalene	U	294	U	4000	N
		Acenaphthylene	U	294	U	1000	N
		Acenaphthene	U	294	U	4000	N
		Fluorene	U	294	U	1000000	N
		Phenanthrene		294	598	10000	N
		Anthracene	U	294	U	1000000	N
		Fluoranthene		294	763	1000000	N
		Pyrene		294	612	1000000	N
		Benzo[a]anthracene	J	294	271	7000	N
		Chrysene		294	303	70000	N
		Benzo[b]fluoranthene	U	294	U	7000	N
		Benzo[k]fluoranthene	U	294	U	70000	N
		Benzo[a]pyrene		294	343	2000	N
		Dibenz[a,h]anthracene	J	294	149	700	N
		Benzo[g,h,i]perylene	J	294	262	1000000	N
		Indeno[1,2,3-cd]pyrene		294	412	7000	N
		2-Methylnaphthalene	U	294	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	29400	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	29400	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	29400	U	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-2
Buidling 82 Maintenance Action - Floor Drain System VPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
FDS-5	Soil	Benzene	U	130	U	2000	N
		Ethylbenzene	U	130	U	40000	N
		Methyl-tert-butyl ether	U	130	U	100	N
		Naphthalene	U	130	U	4000	N
		Toluene	U	130	U	30000	N
		m- & p-Xylenes	U	250	U	300000	N
		o-Xylene	U	130	U	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3150	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3150	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	630	U	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
FDS-6	Soil	Benzene	U	140	U	2000	N
		Ethylbenzene	U	140	U	40000	N
		Methyl-tert-butyl ether	U	140	U	100	N
		Naphthalene	U	140	U	4000	N
		Toluene	U	140	U	30000	N
		m- & p-Xylenes	U	290	U	300000	N
		o-Xylene	U	190	U	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3610	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3610	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	720	U	100000	N

Table 2-3
Building 82 Maintenance Action- Floor Drain System
TAL Metals Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
FDS 4-1	Soil	Aluminum		10	5300	NA	NA
		Antimony		0.55	U	20	N
		Arsenic		0.61	2.40	20	N
		Barium		0.31	20	1000	N
		Beryllium		0.021	U	100	N
		Cadmium		0.10	0.10	2	N
		Calcium		21	1700	NA	NA
		Chromium		0.51	8.0	30	N
		Cobalt		0.12	3.9	NA	NA
		Copper		1.1	9.8	NA	NA
		Iron		7.2	9700	NA	NA
		Lead		0.55	4.2	300	N
		Magnesium		2.5	2300	NA	NA
		Manganese		0.31	120	NA	NA
		Mercury		0.0088	0.0099	20	N
		Nickel		0.32	6.1	20	N
		Potassium		8.2	430	NA	NA
		Selenium		1.0	U	400	N
		Silver		0.099	U	100	N
		Sodium		84	U	NA	NA
		Thallium		1.0	U	8	N
		Vanadium		0.25	17	600	N
		Zinc		1.2	28	2500	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
FDS 4-2	Soil	Aluminum		10	4400	NA	NA
		Antimony	U	0.55	U	20	N
		Arsenic	J	0.61	1.4	20	N
		Barium		0.31	19	1000	N
		Beryllium		0.021	0.49	100	N
		Cadmium	U	0.10	U	2	N
		Calcium		21	1400	NA	NA
		Chromium		0.52	6.3	30	N
		Cobalt		0.12	2.1	NA	NA
		Copper		1.1	5.5	NA	NA
		Iron		7.3	9500	NA	NA
		Lead		0.55	5.6	300	N
		Magnesium		2.5	1400	NA	NA
		Manganese		0.31	120	NA	NA
		Mercury	U	0.0087	U	20	N
		Nickel		0.32	5.2	20	N
		Potassium		8.3	440	NA	NA
		Selenium	U	1.0	U	400	N
		Silver	U	0.10	U	100	N
		Sodium	U	85	U	NA	NA
		Thallium	U	1.0	U	8	N
		Vanadium		0.25	13	600	N
		Zinc		1.2	31	2500	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-3
Building 82 Maintenance Action- Floor Drain System
TAL Metals Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
FDS 4-3	Soil	Aluminum		11	9200	NA	NA
		Antimony		0.59	U	20	N
		Arsenic	J	0.66	1.6	20	N
		Barium		0.34	26	1000	N
		Beryllium		0.022	0.53	100	N
		Cadmium		0.11	U	2	N
		Calcium		22	1800	NA	NA
		Chromium		0.54	11	30	N
		Cobalt		0.13	4.3	NA	NA
		Copper		1.2	5.1	NA	NA
		Iron		7.8	13000	NA	NA
		Lead		0.59	6.2	300	N
		Magnesium		2.7	3500	NA	NA
		Manganese		0.34	200	NA	NA
		Mercury	J	0.0088	0.014	20	N
		Nickel		0.35	8.1	20	N
		Potassium		9.0	470	NA	NA
		Selenium		1.1	U	400	N
		Silver		0.11	U	100	N
		Sodium		92	U	NA	NA
		Thallium		1.1	U	8	N
		Vanadium		0.027	17	600	N
		Zinc		1.3	37	2500	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
FDS 4-3-D	Soil	Aluminum		11	5500	NA	NA
		Antimony	U	0.57	0.57	20	N
		Arsenic	J	0.64	0.98	20	N
		Barium		0.32	21	1000	N
		Beryllium		0.022	0.46	100	N
		Cadmium	U	0.11	0.11	2	N
		Calcium		22	1200	NA	NA
		Chromium		0.54	6.7	30	N
		Cobalt		0.13	3.1	NA	NA
		Copper		1.2	4.5	NA	NA
		Iron		7.5	8200	NA	NA
		Lead		0.57	6.5	300	N
		Magnesium		2.6	1900	NA	NA
		Manganese		0.32	130	NA	NA
		Mercury	J	0.0086	0.013	20	N
		Nickel		0.33	4.9	20	N
		Potassium		8.6	440	NA	NA
		Selenium	U	1.1	1.1	400	N
		Silver	U	0.10	0.10	100	N
		Sodium	U	88	88	NA	NA
		Thallium	U	1.1	1.1	8	N
		Vanadium		0.26	13	600	N
		Zinc		1.3	25	2500	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-3
Building 82 Maintenance Action- Floor Drain System
TAL Metals Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
FDS 4-4	Soil	Aluminum		10	5300	NA	NA
		Antimony	U	0.55	U	20	N
		Arsenic	J	0.61	1.3	20	N
		Barium		0.31	17	1000	N
		Beryllium		0.021	0.42	100	N
		Cadmium	U	0.10	U	2	N
		Calcium		21	1100	NA	NA
		Chromium		0.52	7.0	30	N
		Cobalt		0.12	2.8	NA	NA
		Copper		1.1	5.6	NA	NA
		Iron		7.2	9800	NA	NA
		Lead		0.55	4.2	300	N
		Magnesium		2.5	2000	NA	NA
		Manganese		0.31	150	NA	NA
		Mercury	U	0.0089	U	20	N
		Nickel		0.32	4.5	20	N
		Potassium		8.3	370	NA	NA
		Selenium	U	1.0	U	400	N
		Silver	U	0.099	U	100	N
		Sodium	U	85	U	NA	NA
		Thallium	U	1.0	U	8	N
		Vanadium		0.25	17	600	N
		Zinc		1.2	25	2500	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT (MDL)	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
FDS-5	Soil	Aluminum	J	10	5600	NA	NA
		Antimony	U	0.54	U	20	N
		Arsenic	J	0.6	1.5	20	N
		Barium		0.31	14	1000	N
		Beryllium	J	0.02	0.30	100	N
		Cadmium	U	0.1	U	2	N
		Calcium	J	20	1100	NA	NA
		Chromium		0.51	6.4	30	N
		Cobalt		0.12	3.4	NA	NA
		Copper		1.1	6.9	NA	NA
		Iron	J	7.1	9200	NA	NA
		Lead		0.54	12.0	300	N
		Magnesium	J	2.4	1800	NA	NA
		Manganese	J	0.31	150	NA	NA
		Mercury	J	0.0086	0.0170	20	N
		Nickel		0.32	5.2	20	N
		Potassium		8.2	300	NA	NA
		Selenium		1	1	400	N
		Silver	U	0.098	U	100	N
		Sodium	U	84	U	NA	NA
		Thallium	U	1	U	8	N
		Vanadium		0.24	13	600	N
		Zinc		1.2	24	2500	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-3
Building 82 Maintenance Action- Floor Drain System
TAL Metals Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT (MDL)	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
FDS-6	Soil	Aluminum		10	4700	NA	NA
		Antimony	U	0.54	U	20	N
		Arsenic	J	0.61	1.6	20	N
		Barium		0.31	15	1000	N
		Beryllium		0.021	0.45	100.0	N
		Cadmium	U	0.1	U	2	N
		Calcium		21	1200	NA	NA
		Chromium		0.51	5.6	30	N
		Cobalt		0.12	2.7	NA	NA
		Copper		1.1	5.2	NA	NA
		Iron		7.2	8600	NA	NA
		Lead		0.54	5.5	300	N
		Magnesium		2.5	1800	NA	NA
		Manganese		0.31	130	NA	NA
		Mercury	J	0.0089	0.0096	20	N
		Nickel	J	0.32	3.9	20	N
		Potassium		8.2	360	NA	NA
		Selenium	U	1	U	400	N
		Silver	U	0.099	U	100	N
		Sodium	U	84	U	NA	NA
		Thallium	U	1	U	8	N
		Vanadium		0.25	13	600	N
		Zinc		1.2	25	2500	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-4
Building 82 Maintenance Action - Floor Drain System VOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
FDS-6	SOIL	1,1,1,2-Tetrachloroethane	2.9	U	1.45	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.9	U	1.45	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.9	U	1.45	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.9	U	1.45	100	N	N	79-00-5
		1,1-Dichloroethane	2.9	U	1.45	400	N	N	75-34-3
		1,1-Dichloroethene	2.9	U	1.45	3000	N	N	75-35-4
		1,1-Dichloropropene	2.9	U	1.45	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.9	U	1.45	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.9	U	1.45	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.9	U	1.45	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.9	U	1.45	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.9	U	1.45	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.9	U	1.45	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.9	U	1.45	9000	N	N	95-50-1
		1,2-Dichloroethane	2.9	U	1.45	100	N	N	107-06-2
		1,2-Dichloropropane	2.9	U	1.45	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.9	U	1.45	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.9	U	1.45	1000	N	N	541-73-1
		1,3-Dichloropropane	2.9	U	1.45	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.9	U	1.45	700	N	N	106-46-7
		2,2-Dichloropropane	2.9	U	1.45	NA	NA	N	590-20-7
		2-Butanone (MEK)	14	U	7	4000	N	N	78-93-3
		2-Chlorotoluene	2.9	U	1.45	NA	NA	N	95-49-8
		2-Hexanone	14	U	7	NA	NA	N	591-78-6
		4-Chlorotoluene	2.9	U	1.45	NA	NA	N	106-43-4
		Acetone	14	27	27	6000	N	N	67-64-1
		Benzene	2.9	U	1.45	2000	N	N	71-43-2
		Bromobenzene	2.9	U	1.45	NA	NA	N	108-86-1
		Bromochloromethane	2.9	U	1.45	NA	NA	N	74-97-5
		Bromodichloromethane	2.9	U	1.45	100	N	N	75-27-4
		Bromoform	2.9	U	1.45	100	N	N	75-25-2
		Bromomethane	2.9	U	1.45	500	N	N	74-83-9
		Carbon disulfide	2.9	U	1.45	NA	NA	N	75-15-0
		Carbon tetrachloride	2.9	U	1.45	5000	N	N	56-23-5
		Chlorobenzene	2.9	U	1.45	1000	N	N	108-90-7
		Chloroethane	2.9	U	1.45	NA	NA	N	75-00-3
		Chloroform	2.9	U	1.45	300	N	N	67-66-3
		Chloromethane	2.9	U	1.45	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.9	U	1.45	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.9	U	1.45	10	N	N	10061-01-5
		Dibromochloromethane	2.9	U	1.45	5	N	N	124-48-1
		Dibromomethane	2.9	U	1.45	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.9	U	1.45	NA	NA	N	75-71-8
		Ethylbenzene	2.9	U	1.45	40000	N	N	100-41-4
		Hexachlorobutadiene	2.9	U	1.45	6000	N	N	87-68-3
		Iodomethane	2.9	U	1.45	NA	NA	N	74-88-04
		Isopropylbenzene	2.9	U	1.45	NA	NA	N	98-82-8
		Methyl isobutyl ketone	14	U	7	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.9	U	1.45	100	N	N	1634-04-4
		Methylene chloride	14	U	7	100	N	N	75-09-2
		Napthalene	2.9	U	1.45	4000	N	N	00091-20-3
		n-Butylbenzene	2.9	U	1.45	NA	NA	N	104-51-8
		n-Propylbenzene	2.9	U	1.45	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.9	U	1.45	NA	NA	N	99-87-6
		sec-Butylbenzene	2.9	U	1.45	NA	NA	N	135-98-8
		Styrene	2.9	U	1.45	3000	N	N	100-42-5
		tert-Butylbenzene	2.9	U	1.45	NA	NA	N	98-06-6
		Tetrachloroethene	2.9	U	1.45	1000	N	N	127-18-4
		Toluene	2.9	U	1.45	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.9	U	1.45	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.9	U	1.45	10	N	N	10061-02-6
		Trichloroethene	2.9	U	1.45	300	N	N	79-01-6
		Trichlorofluoromethane	2.9	U	1.45	NA	NA	N	75-69-4
		Vinyl Acetate	7.2	U	3.6	NA	NA	N	108-05-4
		Vinyl chloride	2.9	U	1.45	600	N	N	75-01-4
		Xylene (Total)	5.8	U	2.9	300000	N	N	1330-20-7
					147.05	4			

Table 2-5
Building 82 Maintenance Action - Floor Drain System
FDS-5 Pesticides Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
FDS-5	Soil	alpha-BHC	U	5	U	50000	N
		beta-BHC	U	5	U	10000	N
		delta-BHC	U	5	U	10000	N
		gamma-BHC	U	5	U	100	N
		Heptachlor	U	5	U	200	N
		Aldrin	U	5	U	40	N
		Heptachlor epoxide (B)	U	5	U	90	N
		Endosulfan I	U	5	U	50	N
		Dieldrin	U	5	U	50	N
		4,4'-DDE	U	5	U	3000	N
		Endrin	U	5	U	600	N
		Endosulfan II	U	5	U	500	N
		4,4'-DDD	U	5	U	4000	N
		Endosulfan sulfate	U	5	U	500	N
		4,4'-DDT	U	5	U	3000	N
		Methoxychlor	U	15	U	200000	N
		Endrin ketone	U	5	U	NA	NA
		Endrin aldehyde	U	5	U	8000	N
		alpha-Chlordane	U	5	U	1000	N
		gamma-Chlordane	U	5	U	1000	N
		Toxaphene	U	66	U	10000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-6
Building 82 Maintenance Action - Monitoring Well 200
VOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
MW200-1	SOIL	1,1,1,2-Tetrachloroethane	2	U	1	100	N	N	630-20-6
		1,1,1-Trichloroethane	2	U	1	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2	U	1	5	N	N	79-34-5
		1,1,2-Trichloroethane	2	U	1	100	N	N	79-00-5
		1,1-Dichloroethane	2	U	1	400	N	N	75-34-3
		1,1-Dichloroethene	2	U	1	3000	N	N	75-35-4
		1,1-Dichloropropene	2	U	1	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2	U	1	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2	U	1	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2	U	1	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2	U	1	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2	U	1	NA	NA	N	96-12-8
		1,2-Dibromoethane	2	U	1	100	N	N	106-93-4
		1,2-Dichlorobenzene	2	U	1	9000	N	N	95-50-1
		1,2-Dichloroethane	2	U	1	100	N	N	107-06-2
		1,2-Dichloropropane	2	U	1	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2	U	1	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2	U	1	1000	N	N	541-73-1
		1,3-Dichloropropane	2	U	1	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2	U	1	700	N	N	106-46-7
		2,2-Dichloropropane	2	U	1	NA	NA	N	590-20-7
		2-Butanone (MEK)	10	U	5	4000	N	N	78-93-3
		2-Chlorotoluene	2	U	1	NA	NA	N	95-49-8
		2-Hexanone	10	U	5	NA	NA	N	591-78-6
		4-Chlorotoluene	2	U	1	NA	NA	N	106-43-4
		Acetone	10	U	5	6000	N	N	67-64-1
		Benzene	2	U	1	2000	N	N	71-43-2
		Bromobenzene	2	U	1	NA	NA	N	108-86-1
		Bromochloromethane	2	U	1	NA	NA	N	74-97-5
		Bromodichloromethane	2	U	1	100	N	N	75-27-4
		Bromoform	2	U	1	100	N	N	75-25-2
		Bromomethane	2	U	1	500	N	N	74-83-9
		Carbon disulfide	2	U	1	NA	NA	N	75-15-0
		Carbon tetrachloride	2	U	1	5000	N	N	56-23-5
		Chlorobenzene	2	U	1	1000	N	N	108-90-7
		Chloroethane	2	U	1	NA	NA	N	75-00-3
		Chloroform	2	U	1	300	N	N	67-66-3
		Chloromethane	2	U	1	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2	U	1	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2	U	1	10	N	N	10061-01-5
		Dibromochloromethane	2	U	1	5	N	N	124-48-1
		Dibromomethane	2	U	1	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2	U	1	NA	NA	N	75-71-8
		Ethylbenzene	2	U	1	40000	N	N	100-41-4
		Hexachlorobutadiene	2	U	1	6000	N	N	87-68-3
		Iodomethane	2	U	1	NA	NA	N	74-88-04
		Isopropylbenzene	2	U	1	NA	NA	N	98-82-8
		Methyl isobutyl ketone	10	U	5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2	U	1	100	N	N	1634-04-4
		Methylene chloride	10	U	5	100	N	N	75-09-2
		Napthalene	2	U	1	4000	N	N	00091-20-3
		n-Butylbenzene	2	U	1	NA	NA	N	104-51-8
		n-Propylbenzene	2	U	1	NA	NA	N	103-65-1
		p-Isopropyltoluene	2	U	1	NA	NA	N	99-87-6
		sec-Butylbenzene	2	U	1	NA	NA	N	135-98-8
		Styrene	2	U	1	3000	N	N	100-42-5
		tert-Butylbenzene	2	U	1	NA	NA	N	98-06-6
		Tetrachloroethene	2	U	1	1000	N	N	127-18-4
		Toluene	2	U	1	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2	U	1	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2	U	1	10	N	N	10061-02-6
		Trichloroethene	2	U	1	300	N	N	79-01-6
		Trichlorofluoromethane	2	U	1	NA	NA	N	75-69-4
		Vinyl Acetate	5	U	2.5	NA	NA	N	108-05-4
		Vinyl chloride	2	U	1	600	N	N	75-01-4
		Xylene (Total)	4	U	2	300000	N	N	1330-20-7
					88.5	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-6
Building 82 Maintenance Action - Monitoring Well 200
VOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
MW200-2	SOIL	1,1,1,2-Tetrachloroethane	2	U	1	100	N	N	630-20-6
		1,1,1-Trichloroethane	2	U	1	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2	U	1	5	N	N	79-34-5
		1,1,2-Trichloroethane	2	U	1	100	N	N	79-00-5
		1,1-Dichloroethane	2	U	1	400	N	N	75-34-3
		1,1-Dichloroethene	2	U	1	3000	N	N	75-35-4
		1,1-Dichloropropene	2	U	1	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2	U	1	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2	U	1	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2	U	1	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2	U	1	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2	U	1	NA	NA	N	96-12-8
		1,2-Dibromoethane	2	U	1	100	N	N	106-93-4
		1,2-Dichlorobenzene	2	U	1	9000	N	N	95-50-1
		1,2-Dichloroethane	2	U	1	100	N	N	107-06-2
		1,2-Dichloropropane	2	U	1	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2	U	1	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2	U	1	1000	N	N	541-73-1
		1,3-Dichloropropane	2	U	1	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2	U	1	700	N	N	106-46-7
		2,2-Dichloropropane	2	U	1	NA	NA	N	590-20-7
		2-Butanone (MEK)	10	U	5	4000	N	N	78-93-3
		2-Chlorotoluene	2	U	1	NA	NA	N	95-49-8
		2-Hexanone	10	U	5	NA	NA	N	591-78-6
		4-Chlorotoluene	2	U	1	NA	NA	N	106-43-4
		Acetone	10	11	11	6000	N	N	67-64-1
		Benzene	2	U	1	2000	N	N	71-43-2
		Bromobenzene	2	U	1	NA	NA	N	108-86-1
		Bromochloromethane	2	U	1	NA	NA	N	74-97-5
		Bromodichloromethane	2	U	1	100	N	N	75-27-4
		Bromoform	2	U	1	100	N	N	75-25-2
		Bromomethane	2	U	1	500	N	N	74-83-9
		Carbon disulfide	2	U	1	NA	NA	N	75-15-0
		Carbon tetrachloride	2	U	1	5000	N	N	56-23-5
		Chlorobenzene	2	U	1	1000	N	N	108-90-7
		Chloroethane	2	U	1	NA	NA	N	75-00-3
		Chloroform	2	U	1	300	N	N	67-66-3
		Chloromethane	2	U	1	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2	U	1	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2	U	1	10	N	N	10061-01-5
		Dibromochloromethane	2	U	1	5	N	N	124-48-1
		Dibromomethane	2	U	1	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2	U	1	NA	NA	N	75-71-8
		Ethylbenzene	2	U	1	40000	N	N	100-41-4
		Hexachlorobutadiene	2	U	1	6000	N	N	87-68-3
		Iodomethane	2	U	1	NA	NA	N	74-88-04
		Isopropylbenzene	2	U	1	NA	NA	N	98-82-8
		Methyl isobutyl ketone	10	U	5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2	U	1	100	N	N	1634-04-4
		Methylene chloride	10	U	5	100	N	N	75-09-2
		Napthalene	2	U	1	4000	N	N	00091-20-3
		n-Butylbenzene	2	U	1	NA	NA	N	104-51-8
		n-Propylbenzene	2	U	1	NA	NA	N	103-65-1
		p-Isopropyltoluene	2	U	1	NA	NA	N	99-87-6
		sec-Butylbenzene	2	U	1	NA	NA	N	135-98-8
		Styrene	2	U	1	3000	N	N	100-42-5
		tert-Butylbenzene	2	U	1	NA	NA	N	98-06-6
		Tetrachloroethene	2	U	1	1000	N	N	127-18-4
		Toluene	2	U	1	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2	U	1	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2	U	1	10	N	N	10061-02-6
		Trichloroethene	2	U	1	300	N	N	79-01-6
		Trichlorofluoromethane	2	U	1	NA	NA	N	75-69-4
		Vinyl Acetate	5	U	2.5	NA	NA	N	108-05-4
		Vinyl chloride	2	U	1	600	N	N	75-01-4
		Xylene (Total)	4	U	2	300000	N	N	1330-20-7
					94.5	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-6
Building 82 Maintenance Action - Monitoring Well 200
VOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
MW200-3	SOIL	1,1,1,2-Tetrachloroethane	2.8	U	1.4	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.8	U	1.4	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.8	U	1.4	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.8	U	1.4	100	N	N	79-00-5
		1,1-Dichloroethane	2.8	U	1.4	400	N	N	75-34-3
		1,1-Dichloroethene	2.8	U	1.4	3000	N	N	75-35-4
		1,1-Dichloropropene	2.8	U	1.4	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.8	U	1.4	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.8	U	1.4	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.8	U	1.4	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.8	U	1.4	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.8	U	1.4	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.8	U	1.4	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.8	U	1.4	9000	N	N	95-50-1
		1,2-Dichloroethane	2.8	U	1.4	100	N	N	107-06-2
		1,2-Dichloropropane	2.8	U	1.4	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.8	U	1.4	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.8	U	1.4	1000	N	N	541-73-1
		1,3-Dichloropropane	2.8	U	1.4	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.8	U	1.4	700	N	N	106-46-7
		2,2-Dichloropropane	2.8	U	1.4	NA	NA	N	590-20-7
		2-Butanone (MEK)	14	U	7	4000	N	N	78-93-3
		2-Chlorotoluene	2.8	U	1.4	NA	NA	N	95-49-8
		2-Hexanone	14	U	7	NA	NA	N	591-78-6
		4-Chlorotoluene	2.8	U	1.4	NA	NA	N	106-43-4
		Acetone	14	U	7	6000	N	N	67-64-1
		Benzene	2.8	U	1.4	2000	N	N	71-43-2
		Bromobenzene	2.8	U	1.4	NA	NA	N	108-86-1
		Bromochloromethane	2.8	U	1.4	NA	NA	N	74-97-5
		Bromodichloromethane	2.8	U	1.4	100	N	N	75-27-4
		Bromoform	2.8	U	1.4	100	N	N	75-25-2
		Bromomethane	2.8	U	1.4	500	N	N	74-83-9
		Carbon disulfide	2.8	U	1.4	NA	NA	N	75-15-0
		Carbon tetrachloride	2.8	U	1.4	5000	N	N	56-23-5
		Chlorobenzene	2.8	U	1.4	1000	N	N	108-90-7
		Chloroethane	2.8	U	1.4	NA	NA	N	75-00-3
		Chloroform	2.8	U	1.4	300	N	N	67-66-3
		Chloromethane	2.8	U	1.4	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.8	U	1.4	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.8	U	1.4	10	N	N	10061-01-5
		Dibromochloromethane	2.8	U	1.4	5	N	N	124-48-1
		Dibromomethane	2.8	U	1.4	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.8	U	1.4	NA	NA	N	75-71-8
		Ethylbenzene	2.8	U	1.4	40000	N	N	100-41-4
		Hexachlorobutadiene	2.8	U	1.4	6000	N	N	87-68-3
		Iodomethane	2.8	U	1.4	NA	NA	N	74-88-04
		Isopropylbenzene	2.8	U	1.4	NA	NA	N	98-82-8
		Methyl isobutyl ketone	14	U	7	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.8	U	1.4	100	N	N	1634-04-4
		Methylene chloride	14	U	7	100	N	N	75-09-2
		Napthalene	2.8	U	1.4	4000	N	N	00091-20-3
		n-Butylbenzene	2.8	U	1.4	NA	NA	N	104-51-8
		n-Propylbenzene	2.8	U	1.4	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.8	U	1.4	NA	NA	N	99-87-6
		sec-Butylbenzene	2.8	U	1.4	NA	NA	N	135-98-8
		Styrene	2.8	U	1.4	3000	N	N	100-42-5
		tert-Butylbenzene	2.8	U	1.4	NA	NA	N	98-06-6
		Tetrachloroethene	2.8	U	1.4	1000	N	N	127-18-4
		Toluene	2.8	U	1.4	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.8	U	1.4	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.8	U	1.4	10	N	N	10061-02-6
		Trichloroethene	2.8	U	1.4	300	N	N	79-01-6
		Trichlorofluoromethane	2.8	U	1.4	NA	NA	N	75-69-4
		Vinyl Acetate	7	U	3.5	NA	NA	N	108-05-4
		Vinyl chloride	2.8	U	1.4	600	N	N	75-01-4
		Xylene (Total)	5.6	U	2.8	300000	N	N	1330-20-7
					123.9	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-6
Building 82 Maintenance Action - Monitoring Well 200
VOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
MW200-4	SOIL	1,1,1,2-Tetrachloroethane	1.9	U	0.95	100	N	N	630-20-6
		1,1,1-Trichloroethane	1.9	U	0.95	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	1.9	U	0.95	5	N	N	79-34-5
		1,1,2-Trichloroethane	1.9	U	0.95	100	N	N	79-00-5
		1,1-Dichloroethane	1.9	U	0.95	400	N	N	75-34-3
		1,1-Dichloroethene	1.9	U	0.95	3000	N	N	75-35-4
		1,1-Dichloropropene	1.9	U	0.95	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	1.9	U	0.95	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	1.9	U	0.95	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	1.9	U	0.95	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	1.9	U	0.95	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	1.9	U	0.95	NA	NA	N	96-12-8
		1,2-Dibromoethane	1.9	U	0.95	100	N	N	106-93-4
		1,2-Dichlorobenzene	1.9	U	0.95	9000	N	N	95-50-1
		1,2-Dichloroethane	1.9	U	0.95	100	N	N	107-06-2
		1,2-Dichloropropane	1.9	U	0.95	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	1.9	U	0.95	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	1.9	U	0.95	1000	N	N	541-73-1
		1,3-Dichloropropane	1.9	U	0.95	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	1.9	U	0.95	700	N	N	106-46-7
		2,2-Dichloropropane	1.9	U	0.95	NA	NA	N	590-20-7
		2-Butanone (MEK)	9.4	U	4.7	4000	N	N	78-93-3
		2-Chlorotoluene	1.9	U	0.95	NA	NA	N	95-49-8
		2-Hexanone	9.4	U	4.7	NA	NA	N	591-78-6
		4-Chlorotoluene	1.9	U	0.95	NA	NA	N	106-43-4
		Acetone	9.4	U	4.7	6000	N	N	67-64-1
		Benzene	1.9	U	0.95	2000	N	N	71-43-2
		Bromobenzene	1.9	U	0.95	NA	NA	N	108-86-1
		Bromochloromethane	1.9	U	0.95	NA	NA	N	74-97-5
		Bromodichloromethane	1.9	U	0.95	100	N	N	75-27-4
		Bromoform	1.9	U	0.95	100	N	N	75-25-2
		Bromomethane	1.9	U	0.95	500	N	N	74-83-9
		Carbon disulfide	1.9	U	0.95	NA	NA	N	75-15-0
		Carbon tetrachloride	1.9	U	0.95	5000	N	N	56-23-5
		Chlorobenzene	1.9	U	0.95	1000	N	N	108-90-7
		Chloroethane	1.9	U	0.95	NA	NA	N	75-00-3
		Chloroform	1.9	U	0.95	300	N	N	67-66-3
		Chloromethane	1.9	U	0.95	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	1.9	U	0.95	300	N	N	156-59-2
		cis-1,3-Dichloropropene	1.9	U	0.95	10	N	N	10061-01-5
		Dibromochloromethane	1.9	U	0.95	5	N	N	124-48-1
		Dibromomethane	1.9	U	0.95	NA	NA	N	74-95-3
		Dichlorodifluoromethane	1.9	U	0.95	NA	NA	N	75-71-8
		Ethylbenzene	1.9	U	0.95	40000	N	N	100-41-4
		Hexachlorobutadiene	1.9	U	0.95	6000	N	N	87-68-3
		Iodomethane	1.9	U	0.95	NA	NA	N	74-88-04
		Isopropylbenzene	1.9	U	0.95	NA	NA	N	98-82-8
		Methyl isobutyl ketone	9.4	U	4.7	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	1.9	U	0.95	100	N	N	1634-04-4
		Methylene chloride	9.4	U	4.7	100	N	N	75-09-2
		Napthalene	1.9	U	0.95	4000	N	N	00091-20-3
		n-Butylbenzene	1.9	U	0.95	NA	NA	N	104-51-8
		n-Propylbenzene	1.9	U	0.95	NA	NA	N	103-65-1
		p-Isopropyltoluene	1.9	U	0.95	NA	NA	N	99-87-6
		sec-Butylbenzene	1.9	U	0.95	NA	NA	N	135-98-8
		Styrene	1.9	U	0.95	3000	N	N	100-42-5
		tert-Butylbenzene	1.9	U	0.95	NA	NA	N	98-06-6
		Tetrachloroethene	1.9	U	0.95	1000	N	N	127-18-4
		Toluene	1.9	U	0.95	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	1.9	U	0.95	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	1.9	U	0.95	10	N	N	10061-02-6
		Trichloroethene	1.9	U	0.95	300	N	N	79-01-6
		Trichlorofluoromethane	1.9	U	0.95	NA	NA	N	75-69-4
		Vinyl Acetate	4.7	U	2.35	NA	NA	N	108-05-4
		Vinyl chloride	1.9	U	0.95	600	N	N	75-01-4
		Xylene (Total)	3.8	U	1.9	300000	N	N	1330-20-7
					83.8	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-7 GTM Piping Lengths and Depths

GTM Number	Piping Diameter (inch)	Length (linear feet)	Depth (bgs)
1	3	25	4
	4	55	4
	15	45	5.5
2	15	40	5.5
3	15	30	5.5
4	15	30	5.5

Table 2-8
Building 82 Maintenance Action - Gas Trap Manholes
Investigatory - EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
IV-B82-GTM1-01	Soil	Naphthalene		291	358	4000	N
		Acenaphthylene		291	U	1000	N
		Acenaphthene		291	U	4000	N
		Fluorene	J	291	167	1000000	N
		Phenanthrene		291	918	10000	N
		Anthracene		291	U	1000000	N
		Fluoranthene		291	845	1000000	N
		Pyrene		291	637	1000000	N
		Benzo[a]anthracene	J	291	168	7000	N
		Chrysene		291	340	70000	N
		Benzo[b]fluoranthene		291	487	7000	N
		Benzo[k]fluoranthene		291	U	70000	N
		Benzo[a]pyrene		291	297	2000	N
		Dibenz[a,h]anthracene		291	U	700	N
		Benzo[g,h,i]perylene		291	231	1000000	N
		Indeno[1,2,3-cd]pyrene		291	360	7000	N
		2-Methylnaphthalene		291	747	700	Y
		C9-C18 Aliphatic Hydrocarbons		583000	1050000	1000000	Y
		C19-C36 Aliphatic Hydrocarbons		583000	U	3000000	N
		C11-C22 Aromatic Hydrocarbons		29100	153000	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
IV-B82-GTM2-01	Soil	Naphthalene	J	283	151	4000	N
		Acenaphthylene		283	U	1000	N
		Acenaphthene		283	U	4000	N
		Fluorene		283	U	1000000	N
		Phenanthrene		283	U	10000	N
		Anthracene		283	U	1000000	N
		Fluoranthene		283	U	1000000	N
		Pyrene		283	U	1000000	N
		Benzo[a]anthracene		283	U	7000	N
		Chrysene		283	U	70000	N
		Benzo[b]fluoranthene		283	U	7000	N
		Benzo[k]fluoranthene		283	U	70000	N
		Benzo[a]pyrene		283	U	2000	N
		Dibenz[a,h]anthracene		283	U	700	N
		Benzo[g,h,i]perylene		283	U	1000000	N
		Indeno[1,2,3-cd]pyrene		283	U	7000	N
		2-Methylnaphthalene		283	293	700	N
		C9-C18 Aliphatic Hydrocarbons		28300	235000	1000000	N
		C19-C36 Aliphatic Hydrocarbons		28300	U	3000000	N
		C11-C22 Aromatic Hydrocarbons		28300	43900	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-8
Building 82 Maintenance Action - Gas Trap Manholes
Investigatory - EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
IV-B82-GTM3-01	Soil	Naphthalene		1132	U	4000	N
		Acenaphthylene		1132	U	1000	N
		Acenaphthene		1132	U	4000	N
		Fluorene		1132	U	1000000	N
		Phenanthrene		1132	U	10000	N
		Anthracene		1132	U	1000000	N
		Fluoranthene		1132	U	1000000	N
		Pyrene		1132	U	1000000	N
		Benzo[a]anthracene		1132	U	7000	N
		Chrysene		1132	U	70000	N
		Benzo[b]fluoranthene		1132	U	7000	N
		Benzo[k]fluoranthene		1132	U	70000	N
		Benzo[a]pyrene		1132	U	2000	N
		Dibenz[a,h]anthracene		1132	U	700	N
		Benzo[g,h,i]perylene		1132	U	1000000	N
		Indeno[1,2,3-cd]pyrene		1132	U	7000	N
		2-Methylnaphthalene		1132	U	700	N
		C9-C18 Aliphatic Hydrocarbons		707000	1740000	1000000	Y
		C19-C36 Aliphatic Hydrocarbons		707000	U	3000000	N
		C11-C22 Aromatic Hydrocarbons		113000	308000	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
IV-B820GTM3-11	Soil	Naphthalene		555	U	4000	N
		Acenaphthylene		555	U	1000	N
		Acenaphthene		555	U	4000	N
		Fluorene		555	U	1000000	N
		Phenanthrene		555	U	10000	N
		Anthracene		555	U	1000000	N
		Fluoranthene		555	U	1000000	N
		Pyrene		555	U	1000000	N
		Benzo[a]anthracene		555	U	7000	N
		Chrysene		555	U	70000	N
		Benzo[b]fluoranthene		555	U	7000	N
		Benzo[k]fluoranthene		555	U	70000	N
		Benzo[a]pyrene		555	U	2000	N
		Dibenz[a,h]anthracene		555	U	700	N
		Benzo[g,h,i]perylene		555	U	1000000	N
		Indeno[1,2,3-cd]pyrene		555	U	7000	N
		2-Methylnaphthalene		555	U	700	N
		C9-C18 Aliphatic Hydrocarbons		696000	1550000	1000000	Y
		C19-C36 Aliphatic Hydrocarbons		696000	U	3000000	N
		C11-C22 Aromatic Hydrocarbons		55500	273000	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-8
Building 82 Maintenance Action - Gas Trap Manholes
Investigatory - EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
IV-B82-GTM4-01	Soil	Naphthalene		307	979	4000	N
		Acenaphthylene		307	U	1000	N
		Acenaphthene		307	U	4000	N
		Fluorene	J	307	155	1000000	N
		Phenanthrene		307	U	10000	N
		Anthracene		307	U	1000000	N
		Fluoranthene		307	U	1000000	N
		Pyrene		307	U	1000000	N
		Benzo[a]anthracene		307	U	7000	N
		Chrysene		307	U	70000	N
		Benzo[b]fluoranthene		307	214	7000	N
		Benzo[k]fluoranthene		307	U	70000	N
		Benzo[a]pyrene		307	U	2000	N
		Dibenz[a,h]anthracene		307	U	700	N
		Benzo[g,h,i]perylene		307	U	1000000	N
		Indeno[1,2,3-cd]pyrene		307	U	7000	N
		2-Methylnaphthalene		307	2000	700	Y
		C9-C18 Aliphatic Hydrocarbons		30700	79800	1000000	N
		C19-C36 Aliphatic Hydrocarbons	J	30700	26100	3000000	N
		C11-C22 Aromatic Hydrocarbons		30700	47900	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-9
Building 82 Maintenance Action- Gas Trap Manholes Investigatory VPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
IV-B82-GTM1-01	Soil	Benzene		105	U	2000	N
		Ethylbenzene		105	U	40000	N
		Methyl-tert-butyl ether		79	U	100	N
		Naphthalene		105	620	4000	N
		Toluene		105	U	30000	N
		m- & p-Xylenes	J	370	101	400000	N
		o-Xylene		105	U	400000	N
		C5-C8 Aliphatics Hydrocarbons		36700	U	100000	N
		C9-C12 Aliphatic Hydrocarbons		36700	234000	1000000	N
		C9-C10 Aromatic Hydrocarbons		7340	152000	100000	Y

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
IV-B82-GTM2-01	Soil	Benzene		106	U	2000	N
		Ethylbenzene		106	U	40000	N
		Methyl-tert-butyl ether		80	U	100	N
		Naphthalene		106	219	4000	N
		Toluene		106	U	30000	N
		m- & p-Xylenes		106	U	400000	N
		o-Xylene		106	U	400000	N
		C5-C8 Aliphatics Hydrocarbons		26400	U	100000	N
		C9-C12 Aliphatic Hydrocarbons		52700	355000	1000000	N
		C9-C10 Aromatic Hydrocarbons		5270	206000	100000	Y

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
IV-B82-GTM3-01	Soil	Benzene		112	U	2000	N
		Ethylbenzene		112	U	40000	N
		Methyl-tert-butyl ether		84	U	100	N
		Naphthalene		112	U	4000	N
		Toluene		112	U	30000	N
		m- & p-Xylenes		112	U	400000	N
		o-Xylene		112	U	400000	N
		C5-C8 Aliphatics Hydrocarbons		29600	U	100000	N
		C9-C12 Aliphatic Hydrocarbons		148000	706000	1000000	N
		C9-C10 Aromatic Hydrocarbons		29600	540000	100000	Y

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
IV=B82-GTM3-11	Soil	Benzene		112	U	2000	N
		Ethylbenzene		112	U	40000	N
		Methyl-tert-butyl ether		84	U	100	N
		Naphthalene		112	U	4000	N
		Toluene		112	U	30000	N
		m- & p-Xylenes		112	U	400000	N
		o-Xylene		112	U	400000	N
		C5-C8 Aliphatics Hydrocarbons		30700	U	100000	N
		C9-C12 Aliphatic Hydrocarbons		153000	826000	1000000	N
		C9-C10 Aromatic Hydrocarbons		30700	474000	100000	Y

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-9
Building 82 Maintenance Action- Gas Trap Manholes Investigatory VPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
IV-B82-GTM4-01	Soil	Benzene		300	U	2000	N
		Ethylbenzene	J	300	190	40000	N
		Methyl-tert-butyl ether		300	U	100	N
		Naphthalene		300	2870	4000	N
		Toluene		300	U	30000	N
		m- & p-Xylenes		600	U	400000	N
		o-Xylene		300	U	400000	N
		C5-C8 Aliphatics Hydrocarbons		7460	8520	100000	N
		C9-C12 Aliphatic Hydrocarbons		7460	48500	1000000	N
		C9-C10 Aromatic Hydrocarbons		1490	37700	100000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-10
Building 82 Maintenance Action- Gas Trap Manholes
Investigatory - TAL Metals Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
IV-B82-GTM-1-1	Soil	Aluminum		11	4500	NA	NA
		Antimony	U	0.59	U	20	N
		Arsenic	J	0.65	1.2	20	N
		Barium		0.33	16	1000	N
		Beryllium	J	0.022	0.37	100	N
		Cadmium	U	0.11	U	2	N
		Calcium		22	1100	NA	NA
		Chromium		0.55	7.4	30	N
		Cobalt		0.13	3.4	NA	NA
		Copper		1.2	5.9	NA	NA
		Iron		7.7	7600	NA	NA
		Lead		0.59	4.8	300	N
		Magnesium		2.7	1900	NA	NA
		Manganese		0.33	110	NA	NA
		Mercury		0.009	0.0090	20	N
		Nickel		0.34	5.5000	20	N
		Potassium		8.8	380	NA	NA
		Selenium	U	1.1	U	400	N
		Silver	U	0.11	0.11	100	N
		Sodium	U	91	U	NA	NA
		Thallium	U	1.1	U	8	N
		Vanadium		0.27	11	600	N
		Zinc		1.3	29	2500	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
IV-B82-GTM-2-1	Soil	Aluminum	J	10	5900	NA	NA
		Antimony	U	0.54	U	20	N
		Arsenic	J	0.6	1.3	20	N
		Barium		0.3	15	1000	N
		Beryllium	J	0.02	0.32	100	N
		Cadmium		0.1	2.7	2	Y
		Calcium	J	20	2700	NA	NA
		Chromium		0.51	12	30	N
		Cobalt		0.12	3.4	NA	NA
		Copper		1.1	10	NA	NA
		Iron	J	7.1	11000	NA	NA
		Lead		0.54	12	300	N
		Magnesium	J	2.4	2600	NA	NA
		Manganese		0.3	160	NA	NA
		Mercury	J	0.0091	0.0560	20	N
		Nickel		0.31	7	20	N
		Potassium		8.1	380	NA	NA
		Selenium	U	1	U	400	N
		Silver	U	0.0987	U	100	N
		Sodium	U	83	U	NA	NA
		Thallium	U	1	U	8	N
		Vanadium		0.24	13	600	N
		Zinc	J	1.2	170	2500	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
IV-B82-GTM-3-1	Soil	Aluminum		10	4600	NA	NA
		Antimony	U	0.53	U	20	N
		Arsenic	J	0.59	0.96	20	N
		Barium		0.3	13	1000	N
		Beryllium		0.02	0.46	100	N
		Cadmium	J	0.1	0.4	2	N
		Calcium		20	2700	NA	NA
		Chromium		0.5	11	30	N
		Cobalt		0.12	2.8	NA	NA
		Copper		1.1	5.4	NA	NA
		Iron		7	8300	NA	NA

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-10
Building 82 Maintenance Action- Gas Trap Manholes
Investigatory - TAL Metals Analytical Data Summary

		Lead		0.53	16	300	N
		Magnesium		2.4	2200	NA	NA
		Manganese		0.3	110	NA	NA
		Mercury	U	0.0085	U	20	N
		Nickel		0.31	4.2	20	N
		Potassium		8	280	NA	NA
		Selenium	U	1	U	400	N
		Silver	U	0.096	U	100	N
		Sodium	U	82	U	NA	NA
		Thallium	U	0.9	U	8	N
		Vanadium		0.24	12	600	N
		Zinc		1.2	24	2500	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
IV-B82-GTM-3-11	Soil	Aluminum		11	3600	NA	NA
		Antimony	U	0.56	U	20	N
		Arsenic	J	0.62	1.1	20	N
		Barium		0.32	14	1000	N
		Beryllium		0.021	0.43	100	N
		Cadmium	J	0.11	0.33	2	N
		Calcium		21	910	NA	NA
		Chromium		0.53	5.1	30	N
		Cobalt		0.13	2.3	NA	NA
		Copper		1.2	4.7	NA	NA
		Iron		7.4	6800	NA	NA
		Lead		0.56	13	300	N
		Magnesium		2.5	1300	NA	NA
		Manganese		0.32	95	NA	NA
		Mercury		0.0087	0.0087	20	N
		Nickel	J	0.33	3.6	20	N
		Potassium		8.5	380	NA	NA
		Selenium		1.1	1.1	400	N
		Silver	U	0.1	U	100	N
		Sodium	U	87	U	NA	NA
		Thallium	U	1	U	8	N
		Vanadium		0.25	8.6	600	N
		Zinc		1.3	23	2500	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
IV-B82-GTM-4-1	Soil	Aluminum		11	6600	NA	NA
		Antimony	U	0.058	U	20	N
		Arsenic	J	0.65	0.94	20	N
		Barium		0.33	16	1000	N
		Beryllium		0.022	0.49	100	N
		Cadmium	U	0.11	U	2	N
		Calcium	J	22	1500	NA	NA
		Chromium		0.55	9.6	30	N
		Cobalt		0.13	3.6	NA	NA
		Copper		1.2	6.9	NA	NA
		Iron	J	7.7	13000	NA	NA
		Lead		0.58	7.8	300	N
		Magnesium	J	2.6	2900	NA	NA
		Manganese	J	0.33	180	NA	NA
		Mercury	U	0.0088	U	20	N
		Nickel		0.34	6.4	20	N
		Potassium		8.8	350	NA	NA
		Selenium	U	1.1	U	400	N
		Silver	U	0.11	U	100	N
		Sodium	U	90	U	NA	NA
		Thallium	U	1.1	U	8	N
		Vanadium	J	0.26	25	600	N
		Zinc	J	1.3	46	2500	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-11
Building 82 Maintenance - Gas Trap Manholes Investigatory - VOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS	
IV-B82-GTM1-01	SOIL	1,1,1,2-Tetrachloroethane	105	U	52.5	100	N	Y	630-20-6	
		1,1,1-Trichloroethane	105	109	109	30000	N	N	71-55-6	
		1,1,2,2-Tetrachloroethane	79	U	39.5	5	Y	Y	79-34-5	
		1,1,2-Trichloroethane	79	U	39.5	100	N	N	79-00-5	
		1,1-Dichloroethane	105	100	100	400	N	N	75-34-3	
		1,1-Dichloroethene	79	U	39.5	3000	N	N	75-35-4	
		1,1-Dichloropropene	105	U	52.5	NA	NA	N	563-58-6	
		1,2,3-Trichlorobenzene	105	U	52.5	NA	NA	N	87-61-6	
		1,2,3-Trichloropropane	105	U	52.5	NA	NA	N	96-18-4	
		1,2,4-Trichlorobenzene	105	U	52.5	2000	N	N	120-82-1	
		1,2,4-Trimethylbenzene	105	179	179	NA	NA	N	95-63-6	
		1,2-Dibromo-3-chloropropane	105	U	52.5	NA	NA	N	96-12-8	
		1,2-Dibromoethane	79	U	39.5	100	N	N	106-93-4	
		1,2-Dichlorobenzene	105	U	52.5	9000	N	N	95-50-1	
		1,2-Dichloroethane	79	U	39.5	100	N	N	107-06-2	
		1,2-Dichloropropane	79	U	39.5	100	N	N	78-87-5	
		1,3,5-Trimethylbenzene	105	94	94	NA	NA	N	108-67-8	
		1,3-Dichlorobenzene	105	U	52.5	1000	N	N	541-73-1	
		1,3-Dichloropropane	105	U	52.5	NA	NA	N	142-28-9	
		1,4-Dichlorobenzene	105	U	52.5	700	N	N	106-46-7	
		2,2-Dichloropropane	105	U	52.5	NA	NA	N	590-20-7	
		2-Butanone (MEK)	105	U	52.5	4000	N	N	78-93-3	
		2-Chlorotoluene	105	U	52.5	NA	NA	N	95-49-8	
		2-Hexanone	1050	U	525	NA	NA	N	591-78-6	
		4-Chlorotoluene	105	U	52.5	NA	NA	N	106-43-4	
		Acetone	1050	U	525	6000	N	N	67-64-1	
		Benzene	105	U	52.5	2000	N	N	71-43-2	
		Bromobenzene	105	U	52.5	NA	NA	N	108-86-1	
		Bromochloromethane	79	U	39.5	NA	NA	N	74-97-5	
		Bromodichloromethane	79	U	39.5	100	N	N	75-27-4	
		Bromoform	79	U	39.5	100	N	N	75-25-2	
		Bromomethane	105	U	52.5	500	N	N	74-83-9	
		Carbon disulfide	105	U	52.5	NA	NA	N	75-15-0	
		Carbon tetrachloride	105	U	52.5	5000	N	N	56-23-5	
		Chlorobenzene	105	U	52.5	1000	N	N	108-90-7	
		Chloroethane	105	U	52.5	NA	NA	N	75-00-3	
		Chloroform	79	U	39.5	300	N	N	67-66-3	
		Chloromethane	105	U	52.5	NA	NA	N	74-87-3	
		cis-1,2-Dichloroethene	105	U	52.5	300	N	N	156-59-2	
		cis-1,3-Dichloropropene	105	U	52.5	10	Y	Y	10061-01-5	
		Dibromochloromethane	79	U	39.5	5	Y	Y	124-48-1	
		Dibromomethane	105	U	52.5	NA	NA	N	74-95-3	
		Dichlorodifluoromethane	105	U	52.5	NA	NA	N	75-71-8	
		Ethylbenzene	105	U	52.5	40000	N	N	100-41-4	
		Hexachlorobutadiene	105	U	52.5	6000	N	N	87-68-3	
		Iodomethane	105	U	52.5	NA	NA	N	74-88-04	
		Isopropylbenzene	105	U	52.5	NA	NA	N	98-82-8	
		Methyl isobutyl ketone	1050	U	525	400	Y	Y	108-10-1	
		Methyl tert-butyl ether (MTBE)	79	U	39.5	100	N	N	1634-04-4	
		Methylene chloride	527	U	263.5	100	Y	Y	75-09-2	
		Napthalene	105	620	620	4000	N	N	00091-20-3	
		n-Butylbenzene	105	U	52.5	NA	NA	N	104-51-8	
		n-Propylbenzene	105	U	52.5	NA	NA	N	103-65-1	
		p-Isopropyltoluene	105	332	332	NA	NA	N	99-87-6	
		sec-Butylbenzene	105	207	207	NA	NA	N	135-98-8	
		Styrene	105	U	52.5	3000	N	N	100-42-5	
		tert-Butylbenzene	105	U	52.5	NA	NA	N	98-06-6	
		Tetrachloroethene	105	U	52.5	1000	N	N	127-18-4	
		Toluene	105	U	52.5	30000	N	N	108-88-3	
		trans-1,2-Dichloroethene	105	U	52.5	1000	N	N	156-60-5	
		trans-1,3-Dichloropropene	105	U	52.5	10	Y	Y	10061-02-6	
		Trichloroethene	105	U	52.5	300	N	N	79-01-6	
		Trichlorofluoromethane	105	U	52.5	NA	NA	N	75-69-4	
		Vinyl Acetate	790	U	395	NA	NA	N	108-05-4	
		Vinyl chloride	105	U	52.5	600	N	N	75-01-4	
		Xylene (Total)	210	101	101	300000	N	N	1330-20-7	VALUE IS FOR m,p-Xylene
					6602	4				

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-11
Building 82 Maintenance - Gas Trap Manholes Investigatory - VOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
IV-B82-GTM2-01	SOIL	1,1,1,2-Tetrachloroethane	106	U	53	100	N	Y	630-20-6
		1,1,1-Trichloroethane	106	U	53	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	80	U	40	5	Y	Y	79-34-5
		1,1,2-Trichloroethane	80	U	40	100	N	N	79-00-5
		1,1-Dichloroethane	106	U	53	400	N	N	75-34-3
		1,1-Dichloroethene	80	U	40	3000	N	N	75-35-4
		1,1-Dichloropropene	106	U	53	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	106	U	53	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	106	U	53	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	106	U	53	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	106	65	65	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	106	U	53	NA	NA	N	96-12-8
		1,2-Dibromoethane	80	U	40	100	N	N	106-93-4
		1,2-Dichlorobenzene	106	U	53	9000	N	N	95-50-1
		1,2-Dichloroethane	80	U	40	100	N	N	107-06-2
		1,2-Dichloropropane	80	U	40	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	106	U	53	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	106	U	53	1000	N	N	541-73-1
		1,3-Dichloropropane	106	U	53	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	106	U	53	700	N	N	106-46-7
		2,2-Dichloropropane	106	U	53	NA	NA	N	590-20-7
		2-Butanone (MEK)	106	U	53	4000	N	N	78-93-3
		2-Chlorotoluene	106	U	53	NA	NA	N	95-49-8
		2-Hexanone	1060	U	530	NA	NA	N	591-78-6
		4-Chlorotoluene	106	U	53	NA	NA	N	106-43-4
		Acetone	1060	U	530	6000	N	N	67-64-1
		Benzene	106	U	53	2000	N	N	71-43-2
		Bromobenzene	106	U	53	NA	NA	N	108-86-1
		Bromochloromethane	80	U	40	NA	NA	N	74-97-5
		Bromodichloromethane	80	U	40	100	N	N	75-27-4
		Bromoform	80	U	40	100	N	N	75-25-2
		Bromomethane	106	U	53	500	N	N	74-83-9
		Carbon disulfide	106	U	53	NA	NA	N	75-15-0
		Carbon tetrachloride	106	U	53	5000	N	N	56-23-5
		Chlorobenzene	106	U	53	1000	N	N	108-90-7
		Chloroethane	106	U	53	NA	NA	N	75-00-3
		Chloroform	80	U	40	300	N	N	67-66-3
		Chloromethane	106	U	53	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	106	U	53	300	N	N	156-59-2
		cis-1,3-Dichloropropene	106	U	53	10	Y	Y	10061-01-5
		Dibromochloromethane	80	U	40	5	Y	Y	124-48-1
		Dibromomethane	106	U	53	NA	NA	N	74-95-3
		Dichlorodifluoromethane	106	U	53	NA	NA	N	75-71-8
		Ethylbenzene	106	U	53	40000	N	N	100-41-4
		Hexachlorobutadiene	106	U	53	6000	N	N	87-68-3
		Iodomethane	106	U	53	NA	NA	N	74-88-04
		Isopropylbenzene	106	U	53	NA	NA	N	98-82-8
		Methyl isobutyl ketone	1060	U	530	400	Y	Y	108-10-1
		Methyl tert-butyl ether (MTBE)	80	U	40	100	N	N	1634-04-4
		Methylene chloride	531	U	265.5	100	Y	Y	75-09-2
		Napthalene	106	219	219	4000	N	N	00091-20-3
		n-Butylbenzene	106	U	53	NA	NA	N	104-51-8
		n-Propylbenzene	106	U	53	NA	NA	N	103-65-1
		p-Isopropyltoluene	106	64	64	NA	NA	N	99-87-6
		sec-Butylbenzene	106	66	66	NA	NA	N	135-98-8
		Styrene	106	U	53	3000	N	N	100-42-5
		tert-Butylbenzene	106	U	53	NA	NA	N	98-06-6
		Tetrachloroethene	106	U	53	1000	N	N	127-18-4
		Toluene	106	U	53	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	106	U	53	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	106	U	53	10	Y	Y	10061-02-6
		Trichloroethene	106	U	53	300	N	N	79-01-6
		Trichlorofluoromethane	106	U	53	NA	NA	N	75-69-4
		Vinyl Acetate	797	U	398.5	NA	NA	N	108-05-4
		Vinyl chloride	106	U	53	600	N	N	75-01-4
		Xylene (Total)	212	U	106	300000	N	N	1330-20-7
					5586	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-11
Building 82 Maintenance - Gas Trap Manholes Investigatory - VOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
IV-B82-GTM3-01	SOIL	1,1,1,2-Tetrachloroethane	112	U	56	100	N	Y	630-20-6
		1,1,1-Trichloroethane	112	U	56	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	84	U	42	5	Y	Y	79-34-5
		1,1,2-Trichloroethane	84	U	42	100	N	N	79-00-5
		1,1-Dichloroethane	112	U	56	400	N	N	75-34-3
		1,1-Dichloroethene	84	U	42	3000	N	N	75-35-4
		1,1-Dichloropropene	112	U	56	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	112	U	56	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	112	U	56	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	112	U	56	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	112	U	56	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	112	U	56	NA	NA	N	96-12-8
		1,2-Dibromoethane	84	U	42	100	N	N	106-93-4
		1,2-Dichlorobenzene	112	U	56	9000	N	N	95-50-1
		1,2-Dichloroethane	84	U	42	100	N	N	107-06-2
		1,2-Dichloropropane	84	U	42	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	112	U	56	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	112	U	56	1000	N	N	541-73-1
		1,3-Dichloropropane	112	U	56	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	112	U	56	700	N	N	106-46-7
		2,2-Dichloropropane	112	U	56	NA	NA	N	590-20-7
		2-Butanone (MEK)	112	U	56	4000	N	N	78-93-3
		2-Chlorotoluene	112	U	56	NA	NA	N	95-49-8
		2-Hexanone	1120	U	560	NA	NA	N	591-78-6
		4-Chlorotoluene	112	U	56	NA	NA	N	106-43-4
		Acetone	1120	U	560	6000	N	N	67-64-1
		Benzene	112	U	56	2000	N	N	71-43-2
		Bromobenzene	112	U	56	NA	NA	N	108-86-1
		Bromochloromethane	84	U	42	NA	NA	N	74-97-5
		Bromodichloromethane	84	U	42	100	N	N	75-27-4
		Bromoform	84	U	42	100	N	N	75-25-2
		Bromomethane	112	U	56	500	N	N	74-83-9
		Carbon disulfide	112	U	56	NA	NA	N	75-15-0
		Carbon tetrachloride	112	U	56	5000	N	N	56-23-5
		Chlorobenzene	112	U	56	1000	N	N	108-90-7
		Chloroethane	112	U	56	NA	NA	N	75-00-3
		Chloroform	84	U	42	300	N	N	67-66-3
		Chloromethane	112	U	56	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	112	U	56	300	N	N	156-59-2
		cis-1,3-Dichloropropene	112	U	56	10	Y	Y	10061-01-5
		Dibromochloromethane	84	U	42	5	Y	Y	124-48-1
		Dibromomethane	112	U	56	NA	NA	N	74-95-3
		Dichlorodifluoromethane	112	U	56	NA	NA	N	75-71-8
		Ethylbenzene	112	U	56	40000	N	N	100-41-4
		Hexachlorobutadiene	112	U	56	6000	N	N	87-68-3
		Iodomethane	112	U	56	NA	NA	N	74-88-04
		Isopropylbenzene	112	U	56	NA	NA	N	98-82-8
		Methyl isobutyl ketone	1120	U	560	400	Y	Y	108-10-1
		Methyl tert-butyl ether (MTBE)	84	U	42	100	N	N	1634-04-4
		Methylene chloride	559	U	279.5	100	Y	Y	75-09-2
		Napthalene	112	U	56	4000	N	N	00091-20-3
		n-Butylbenzene	112	U	56	NA	NA	N	104-51-8
		n-Propylbenzene	112	U	56	NA	NA	N	103-65-1
		p-Isopropyltoluene	112	U	56	NA	NA	N	99-87-6
		sec-Butylbenzene	112	U	56	NA	NA	N	135-98-8
		Styrene	112	U	56	3000	N	N	100-42-5
		tert-Butylbenzene	112	U	56	NA	NA	N	98-06-6
		Tetrachloroethene	112	U	56	1000	N	N	127-18-4
		Toluene	112	U	56	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	112	U	56	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	112	U	56	10	Y	Y	10061-02-6
		Trichloroethene	112	U	56	300	N	N	79-01-6
		Trichlorofluoromethane	112	U	56	NA	NA	N	75-69-4
		Vinyl Acetate	838	U	419	NA	NA	N	108-05-4
		Vinyl chloride	112	U	56	600	N	N	75-01-4
		Xylene (Total)	224	U	112	300000	N	N	1330-20-7
					5682.5	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-11
Building 82 Maintenance - Gas Trap Manholes Investigatory - VOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
IV-B82-GTM3-011	SOIL	1,1,1,2-Tetrachloroethane	112	U	56	100	N	Y	630-20-6
		1,1,1-Trichloroethane	112	U	56	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	84	U	42	5	Y	Y	79-34-5
		1,1,2-Trichloroethane	84	U	42	100	N	N	79-00-5
		1,1-Dichloroethane	112	U	56	400	N	N	75-34-3
		1,1-Dichloroethene	84	U	42	3000	N	N	75-35-4
		1,1-Dichloropropene	112	U	56	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	112	U	56	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	112	U	56	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	112	U	56	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	112	U	56	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	112	U	56	NA	NA	N	96-12-8
		1,2-Dibromoethane	84	U	42	100	N	N	106-93-4
		1,2-Dichlorobenzene	112	U	56	9000	N	N	95-50-1
		1,2-Dichloroethane	84	U	42	100	N	N	107-06-2
		1,2-Dichloropropane	84	U	42	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	112	U	56	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	112	U	56	1000	N	N	541-73-1
		1,3-Dichloropropane	112	U	56	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	112	U	56	700	N	N	106-46-7
		2,2-Dichloropropane	112	U	56	NA	NA	N	590-20-7
		2-Butanone (MEK)	112	U	56	4000	N	N	78-93-3
		2-Chlorotoluene	112	U	56	NA	NA	N	95-49-8
		2-Hexanone	1120	U	560	NA	NA	N	591-78-6
		4-Chlorotoluene	112	U	56	NA	NA	N	106-43-4
		Acetone	1120	U	560	6000	N	N	67-64-1
		Benzene	112	U	56	2000	N	N	71-43-2
		Bromobenzene	112	U	56	NA	NA	N	108-86-1
		Bromochloromethane	84	U	42	NA	NA	N	74-97-5
		Bromodichloromethane	84	U	42	100	N	N	75-27-4
		Bromoform	84	U	42	100	N	N	75-25-2
		Bromomethane	112	U	56	500	N	N	74-83-9
		Carbon disulfide	112	U	56	NA	NA	N	75-15-0
		Carbon tetrachloride	112	U	56	5000	N	N	56-23-5
		Chlorobenzene	112	U	56	1000	N	N	108-90-7
		Chloroethane	112	U	56	NA	NA	N	75-00-3
		Chloroform	84	U	42	300	N	N	67-66-3
		Chloromethane	112	U	56	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	112	U	56	300	N	N	156-59-2
		cis-1,3-Dichloropropene	112	U	56	10	Y	Y	10061-01-5
		Dibromochloromethane	84	U	42	5	Y	Y	124-48-1
		Dibromomethane	112	U	56	NA	NA	N	74-95-3
		Dichlorodifluoromethane	112	U	56	NA	NA	N	75-71-8
		Ethylbenzene	112	U	56	40000	N	N	100-41-4
		Hexachlorobutadiene	112	U	56	6000	N	N	87-68-3
		Iodomethane	112	U	56	NA	NA	N	74-88-04
		Isopropylbenzene	112	U	56	NA	NA	N	98-82-8
		Methyl isobutyl ketone	1120	U	560	400	Y	Y	108-10-1
		Methyl tert-butyl ether (MTBE)	84	U	42	100	N	N	1634-04-4
		Methylene chloride	558	U	279	100	Y	Y	75-09-2
		Napthalene	112	U	56	4000	N	N	00091-20-3
		n-Butylbenzene	112	U	56	NA	NA	N	104-51-8
		n-Propylbenzene	112	U	56	NA	NA	N	103-65-1
		p-Isopropyltoluene	112	U	56	NA	NA	N	99-87-6
		sec-Butylbenzene	112	U	56	NA	NA	N	135-98-8
		Styrene	112	U	56	3000	N	N	100-42-5
		tert-Butylbenzene	112	U	56	NA	NA	N	98-06-6
		Tetrachloroethene	112	U	56	1000	N	N	127-18-4
		Toluene	112	U	56	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	112	U	56	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	112	U	56	10	Y	Y	10061-02-6
		Trichloroethene	112	U	56	300	N	N	79-01-6
		Trichlorofluoromethane	112	U	56	NA	NA	N	75-69-4
		Vinyl Acetate	837	U	418.5	NA	NA	N	108-05-4
		Vinyl chloride	112	U	56	600	N	N	75-01-4
		Xylene (Total)	224	U	112	300000	N	N	1330-20-7
					5681.5	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-11
Building 82 Maintenance - Gas Trap Manholes Investigatory - VOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
IV-B82-GTM4-01	SOIL	1,1,1,2-Tetrachloroethane	118	U	59	100	N	Y	630-20-6
		1,1,1-Trichloroethane	118	U	59	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	89	U	44.5	5	Y	Y	79-34-5
		1,1,2-Trichloroethane	89	U	44.5	100	N	N	79-00-5
		1,1-Dichloroethane	118	U	59	400	N	N	75-34-3
		1,1-Dichloroethene	89	U	44.5	3000	N	N	75-35-4
		1,1-Dichloropropene	118	U	59	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	118	U	59	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	118	U	59	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	118	U	59	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	118	1430	1430	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	118	U	59	NA	NA	N	96-12-8
		1,2-Dibromoethane	89	U	44.5	100	N	N	106-93-4
		1,2-Dichlorobenzene	118	U	59	9000	N	N	95-50-1
		1,2-Dichloroethane	89	U	44.5	100	N	N	107-06-2
		1,2-Dichloropropane	89	U	44.5	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	118	458	458	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	118	U	59	1000	N	N	541-73-1
		1,3-Dichloropropane	118	U	59	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	118	U	59	700	N	N	106-46-7
		2,2-Dichloropropane	118	U	59	NA	NA	N	590-20-7
		2-Butanone (MEK)	118	U	59	4000	N	N	78-93-3
		2-Chlorotoluene	118	U	59	NA	NA	N	95-49-8
		2-Hexanone	1180	U	590	400	Y	Y	591-78-6
		4-Chlorotoluene	118	U	59	NA	NA	N	106-43-4
		Acetone	1180	U	590	6000	N	N	67-64-1
		Benzene	118	U	59	2000	N	N	71-43-2
		Bromobenzene	118	U	59	NA	NA	N	108-86-1
		Bromochloromethane	89	U	44.5	NA	NA	N	74-97-5
		Bromodichloromethane	89	U	44.5	100	N	N	75-27-4
		Bromoform	89	U	44.5	100	N	N	75-25-2
		Bromomethane	118	100	100	500	N	N	74-83-9
		Carbon disulfide	118	U	59	NA	NA	N	75-15-0
		Carbon tetrachloride	118	U	59	5000	N	N	56-23-5
		Chlorobenzene	118	U	59	1000	N	N	108-90-7
		Chloroethane	118	U	59	NA	NA	N	75-00-3
		Chloroform	89	U	44.5	300	N	N	67-66-3
		Chloromethane	118	U	59	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	118	U	59	300	N	N	156-59-2
		cis-1,3-Dichloropropene	118	U	59	10	Y	Y	10061-01-5
		Dibromochloromethane	89	U	44.5	5	Y	Y	124-48-1
		Dibromomethane	118	U	59	NA	NA	N	74-95-3
		Dichlorodifluoromethane	118	U	59	NA	NA	N	75-71-8
		Ethylbenzene	118	U	59	40000	N	N	100-41-4
		Hexachlorobutadiene	118	U	59	6000	N	N	87-68-3
		Iodomethane	118	U	59	NA	NA	N	74-88-04
		Isopropylbenzene	118	82	82	NA	NA	N	98-82-8
		Methyl isobutyl ketone	1180	U	590	400	Y	Y	108-10-1
		Methyl tert-butyl ether (MTBE)	89	U	44.5	100	N	N	1634-04-4
		Methylene chloride	591	U	295.5	100	Y	Y	75-09-2
		Napthalene	118	1890	1890	4000	N	N	00091-20-3
		n-Butylbenzene	118	U	59	NA	NA	N	104-51-8
		n-Propylbenzene	118	189	189	NA	NA	N	103-65-1
		p-Isopropyltoluene	118	724	724	NA	NA	N	99-87-6
		sec-Butylbenzene	118	155	155	NA	NA	N	135-98-8
		Styrene	118	U	59	3000	N	N	100-42-5
		tert-Butylbenzene	118	U	59	NA	NA	N	98-06-6
		Tetrachloroethene	118	U	59	1000	N	N	127-18-4
		Toluene	118	U	59	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	118	U	59	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	118	U	59	10	Y	Y	10061-02-6
		Trichloroethene	118	U	59	300	N	N	79-01-6
		Trichlorofluoromethane	118	U	59	NA	NA	N	75-69-4
		Vinyl Acetate	887	U	443.5	NA	NA	N	108-05-4
		Vinyl chloride	118	U	59	600	N	N	75-01-4
		Xylene (Total)	236	278	278	300000	N	N	1330-20-7
					10709	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-12
Building 82 Maintenance Action - Gas Trap Manholes
Confirmatiry EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM1-SW-01	Soil	Naphthalene	U	264	U	NA	NA	4000	N
		Acenaphthylene	U	264	U	NA	NA	1000	N
		Acenaphthene	U	264	U	NA	NA	4000	N
		Fluorene	U	264	U	NA	NA	1000000	N
		Phenanthrene	U	264	U	NA	NA	10000	N
		Anthracene	U	264	U	NA	NA	1000000	N
		Fluoranthene	U	264	U	NA	NA	1000000	N
		Pyrene	U	264	U	NA	NA	1000000	N
		Benzo[a]anthracene	U	264	U	14500	N	7000	N
		Chrysene	U	264	U	NA	NA	70000	N
		Benzo[b]fluoranthene	U	264	U	14500	N	7000	N
		Benzo[k]fluoranthene	U	264	U	NA	NA	70000	N
		Benzo[a]pyrene	U	264	U	1829	N	2000	N
		Dibenz[a,h]anthracene	U	264	U	NA	NA	700	N
		Benzo[g,h,i]perylene	U	264	U	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	U	264	U	NA	NA	7000	N
		2-Methylnaphthalene	U	264	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons	U	26400	U	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	26400	U	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	26400	U	NA	NA	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM1-SW-02	Soil	Naphthalene	U	295	U	NA	NA	4000	N
		Acenaphthylene	U	295	U	NA	NA	1000	N
		Acenaphthene	U	295	U	NA	NA	4000	N
		Fluorene	U	295	U	NA	NA	1000000	N
		Phenanthrene	U	295	U	NA	NA	10000	N
		Anthracene	U	295	U	NA	NA	1000000	N
		Fluoranthene	U	295	U	NA	NA	1000000	N
		Pyrene	U	295	U	NA	NA	1000000	N
		Benzo[a]anthracene	U	295	U	14500	N	7000	N
		Chrysene	U	295	U	NA	NA	70000	N
		Benzo[b]fluoranthene	U	295	U	14500	N	7000	N
		Benzo[k]fluoranthene	U	295	U	NA	NA	70000	N
		Benzo[a]pyrene	U	295	U	1829	N	2000	N
		Dibenz[a,h]anthracene	U	295	U	NA	NA	700	N
		Benzo[g,h,i]perylene	U	295	U	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	U	295	U	NA	NA	7000	N
		2-Methylnaphthalene	U	295	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons	U	29500	U	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	29500	U	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	29500	U	NA	NA	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-12
Building 82 Maintenance Action - Gas Trap Manholes
Confirmatiry EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM1-SW-03	Soil	Naphthalene	U	274	U	NA	NA	4000	N
		Acenaphthylene	U	274	U	NA	NA	1000	N
		Acenaphthene	U	274	U	NA	NA	4000	N
		Fluorene	U	274	U	NA	NA	1000000	N
		Phenanthrene	U	274	U	NA	NA	10000	N
		Anthracene	U	274	U	NA	NA	1000000	N
		Fluoranthene	U	274	U	NA	NA	1000000	N
		Pyrene	U	274	U	NA	NA	1000000	N
		Benzo[a]anthracene	U	274	U	14500	N	7000	N
		Chrysene	U	274	U	NA	NA	70000	N
		Benzo[b]fluoranthene	U	274	U	14500	N	7000	N
		Benzo[k]fluoranthene	U	274	U	NA	NA	70000	N
		Benzo[a]pyrene	U	274	U	1829	N	2000	N
		Dibenz[a,h]anthracene	U	274	U	NA	NA	700	N
		Benzo[g,h,i]perylene	U	274	U	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	U	274	U	NA	NA	7000	N
		2-Methylnaphthalene	U	274	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons	U	27400	U	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	27400	U	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	27400	U	NA	NA	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM1-SW-04	Soil	Naphthalene	U	272	U	NA	NA	4000	N
		Acenaphthylene	U	272	U	NA	NA	1000	N
		Acenaphthene	U	272	U	NA	NA	4000	N
		Fluorene	U	272	U	NA	NA	1000000	N
		Phenanthrene	U	272	U	NA	NA	10000	N
		Anthracene	U	272	U	NA	NA	1000000	N
		Fluoranthene	U	272	U	NA	NA	1000000	N
		Pyrene	U	272	U	NA	NA	1000000	N
		Benzo[a]anthracene	U	272	U	14500	N	7000	N
		Chrysene	U	272	U	NA	NA	70000	N
		Benzo[b]fluoranthene	U	272	U	14500	N	7000	N
		Benzo[k]fluoranthene	U	272	U	NA	NA	70000	N
		Benzo[a]pyrene	U	272	U	1829	N	2000	N
		Dibenz[a,h]anthracene	U	272	U	NA	NA	700	N
		Benzo[g,h,i]perylene	U	272	U	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	U	272	U	NA	NA	7000	N
		2-Methylnaphthalene	U	272	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons	U	27200	U	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	27200	U	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	27200	U	NA	NA	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-12
Building 82 Maintenance Action - Gas Trap Manholes
Confirmatiry EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM1-B-5	Soil	Naphthalene	U	300	U	NA	NA	4000	N
		Acenaphthylene	U	300	U	NA	NA	1000	N
		Acenaphthene	U	300	U	NA	NA	4000	N
		Fluorene	U	300	U	NA	NA	1000000	N
		Phenanthrene	U	300	U	NA	NA	10000	N
		Anthracene	U	300	U	NA	NA	1000000	N
		Fluoranthene		300	330	NA	NA	1000000	N
		Pyrene		300	316	NA	NA	1000000	N
		Benzo[a]anthracene	J	300	256	NA	NA	7000	N
		Chrysene		300	396	NA	NA	70000	N
		Benzo[b]fluoranthene		300	441	NA	NA	7000	N
		Benzo[k]fluoranthene	J	300	168	NA	NA	70000	N
		Benzo[a]pyrene	U	300	U	NA	NA	2000	N
		Dibenz[a,h]anthracene	U	300	U	NA	NA	700	N
		Benzo[g,h,i]perylene	J	300	199	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	J	300	172	NA	NA	7000	N
		2-Methylnaphthalene	U	300	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons		30000	656000	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons		30000	111000	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons		30000	113000	NA	NA	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM1-B-5-D	Soil	Naphthalene	U	282	U	NA	NA	4000	N
		Acenaphthylene	U	282	U	NA	NA	1000	N
		Acenaphthene	U	264	U	NA	NA	4000	N
		Fluorene	U	264	U	NA	NA	1000000	N
		Phenanthrene	U	264	U	NA	NA	10000	N
		Anthracene	U	264	U	NA	NA	1000000	N
		Fluoranthene	J	264	198	NA	NA	1000000	N
		Pyrene	J	264	189	NA	NA	1000000	N
		Benzo[a]anthracene	J	264	199	14500	N	7000	N
		Chrysene		264	322	NA	NA	70000	N
		Benzo[b]fluoranthene		264	354	14500	N	7000	N
		Benzo[k]fluoranthene	J	264	145	NA	NA	70000	N
		Benzo[a]pyrene	U	264	U	1829	N	2000	N
		Dibenz[a,h]anthracene	U	264	U	NA	NA	700	N
		Benzo[g,h,i]perylene	J	264	161	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	J	264	145	NA	NA	7000	N
		2-Methylnaphthalene	U	264	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons		280000	598000	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons		26400	105000	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons		26400	82800	NA	NA	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-12
Building 82 Maintenance Action - Gas Trap Manholes
Confirmatiry EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM3-SW-01	Soil	Naphthalene	U	292	U	NA	NA	4000	N
		Acenaphthylene	U	292	U	NA	NA	1000	N
		Acenaphthene	U	292	U	NA	NA	4000	N
		Fluorene	U	292	U	NA	NA	1000000	N
		Phenanthrene	U	292	U	NA	NA	10000	N
		Anthracene	U	292	U	NA	NA	1000000	N
		Fluoranthene	U	292	U	NA	NA	1000000	N
		Pyrene	U	292	U	NA	NA	1000000	N
		Benzo[a]anthracene	U	292	U	14500	N	7000	N
		Chrysene	U	292	U	NA	NA	70000	N
		Benzo[b]fluoranthene	U	292	U	14500	N	7000	N
		Benzo[k]fluoranthene	U	292	U	NA	NA	70000	N
		Benzo[a]pyrene	U	292	U	1829	N	2000	N
		Dibenz[a,h]anthracene	U	292	U	NA	NA	700	N
		Benzo[g,h,i]perylene	U	292	U	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	U	292	U	NA	NA	7000	N
		2-Methylnaphthalene	U	292	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons	U	29200	U	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	29200	U	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	29200	U	NA	NA	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM3-SW-02	Soil	Naphthalene	U	279	U	NA	NA	4000	N
		Acenaphthylene	U	279	U	NA	NA	1000	N
		Acenaphthene	U	279	U	NA	NA	4000	N
		Fluorene	U	279	U	NA	NA	1000000	N
		Phenanthrene	U	279	U	NA	NA	10000	N
		Anthracene	U	279	U	NA	NA	1000000	N
		Fluoranthene	U	279	U	NA	NA	1000000	N
		Pyrene	U	279	U	NA	NA	1000000	N
		Benzo[a]anthracene	U	279	U	14500	N	7000	N
		Chrysene	U	279	U	NA	NA	70000	N
		Benzo[b]fluoranthene	U	279	U	14500	N	7000	N
		Benzo[k]fluoranthene	U	279	U	NA	NA	70000	N
		Benzo[a]pyrene	U	279	U	1829	N	2000	N
		Dibenz[a,h]anthracene	U	279	U	NA	NA	700	N
		Benzo[g,h,i]perylene	U	279	U	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	U	279	U	NA	NA	7000	N
		2-Methylnaphthalene	U	279	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons	U	27900	U	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	27900	U	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	27900	U	NA	NA	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-12
Building 82 Maintenance Action - Gas Trap Manholes
Confirmatiry EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM3-SW-03	Soil	Naphthalene	U	280	U	NA	NA	4000	N
		Acenaphthylene	U	280	U	NA	NA	1000	N
		Acenaphthene	U	280	U	NA	NA	4000	N
		Fluorene	U	280	U	NA	NA	1000000	N
		Phenanthrene	U	280	U	NA	NA	10000	N
		Anthracene	U	280	U	NA	NA	1000000	N
		Fluoranthene	U	280	U	NA	NA	1000000	N
		Pyrene	U	280	U	NA	NA	1000000	N
		Benzo[a]anthracene	U	280	U	14500	N	7000	N
		Chrysene	U	280	U	NA	NA	70000	N
		Benzo[b]fluoranthene	U	280	U	14500	N	7000	N
		Benzo[k]fluoranthene	U	280	U	NA	NA	70000	N
		Benzo[a]pyrene	U	280	U	1829	N	2000	N
		Dibenz[a,h]anthracene	U	280	U	NA	NA	700	N
		Benzo[g,h,i]perylene	U	280	U	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	U	280	U	NA	NA	7000	N
		2-Methylnaphthalene	U	280	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons	U	28000	U	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	28000	U	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	28000	U	NA	NA	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM3-SW-04	Soil	Naphthalene	U	276	U	NA	NA	4000	N
		Acenaphthylene	U	276	U	NA	NA	1000	N
		Acenaphthene	U	276	U	NA	NA	4000	N
		Fluorene	U	276	U	NA	NA	1000000	N
		Phenanthrene	U	276	U	NA	NA	10000	N
		Anthracene	U	276	U	NA	NA	1000000	N
		Fluoranthene	U	276	U	NA	NA	1000000	N
		Pyrene	U	276	U	NA	NA	1000000	N
		Benzo[a]anthracene	U	276	U	14500	N	7000	N
		Chrysene	U	276	U	NA	NA	70000	N
		Benzo[b]fluoranthene	U	276	U	14500	N	7000	N
		Benzo[k]fluoranthene	U	276	U	NA	NA	70000	N
		Benzo[a]pyrene	U	276	U	1829	N	2000	N
		Dibenz[a,h]anthracene	U	276	U	NA	NA	700	N
		Benzo[g,h,i]perylene	U	276	U	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	U	276	U	NA	NA	7000	N
		2-Methylnaphthalene	U	276	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons	U	2720000	U	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	2720000	U	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	2720000	U	NA	NA	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-12
Building 82 Maintenance Action - Gas Trap Manholes
Confirmatiry EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM3-B-5	Soil	Naphthalene	U	276	U	NA	NA	4000	N
		Acenaphthylene	U	276	U	NA	NA	1000	N
		Acenaphthene	U	276	U	NA	NA	4000	N
		Fluorene	U	276	U	NA	NA	1000000	N
		Phenanthrene	U	276	U	NA	NA	10000	N
		Anthracene	U	276	U	NA	NA	1000000	N
		Fluoranthene	U	276	U	NA	NA	1000000	N
		Pyrene	U	276	U	NA	NA	1000000	N
		Benzo[a]anthracene	U	276	U	NA	NA	7000	N
		Chrysene	U	276	U	NA	NA	70000	N
		Benzo[b]fluoranthene	U	276	U	NA	NA	7000	N
		Benzo[k]fluoranthene	U	276	U	NA	NA	70000	N
		Benzo[a]pyrene	U	276	U	NA	NA	2000	N
		Dibenz[a,h]anthracene	U	276	U	NA	NA	700	N
		Benzo[g,h,i]perylene	U	276	U	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	U	276	U	NA	NA	7000	N
		2-Methylnaphthalene	U	276	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons	U	27600	U	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	27600	U	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	27600	U	NA	NA	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM4-SW-01	Soil	Naphthalene	U	302	U	NA	NA	4000	N
		Acenaphthylene	U	302	U	NA	NA	1000	N
		Acenaphthene	U	302	U	NA	NA	4000	N
		Fluorene	U	302	U	NA	NA	1000000	N
		Phenanthrene	U	302	U	NA	NA	10000	N
		Anthracene	U	302	U	NA	NA	1000000	N
		Fluoranthene	U	302	U	NA	NA	1000000	N
		Pyrene	U	302	U	NA	NA	1000000	N
		Benzo[a]anthracene	U	302	U	14500	N	7000	N
		Chrysene	U	302	U	NA	NA	70000	N
		Benzo[b]fluoranthene	U	302	U	14500	N	7000	N
		Benzo[k]fluoranthene	U	302	U	NA	NA	70000	N
		Benzo[a]pyrene	U	302	U	1829	N	2000	N
		Dibenz[a,h]anthracene	U	302	U	NA	NA	700	N
		Benzo[g,h,i]perylene	U	302	U	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	U	302	U	NA	NA	7000	N
		2-Methylnaphthalene	U	302	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons	U	30200	U	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	30200	U	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	30200	U	NA	NA	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-12
Building 82 Maintenance Action - Gas Trap Manholes
Confirmatiry EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM4-SW-02	Soil	Naphthalene	U	318	U	NA	NA	4000	N
		Acenaphthylene	U	318	U	NA	NA	1000	N
		Acenaphthene	U	318	U	NA	NA	4000	N
		Fluorene	U	318	U	NA	NA	1000000	N
		Phenanthrene	U	318	U	NA	NA	10000	N
		Anthracene	U	318	U	NA	NA	1000000	N
		Fluoranthene	U	318	U	NA	NA	1000000	N
		Pyrene	U	318	U	NA	NA	1000000	N
		Benzo[a]anthracene	U	318	U	14500	N	7000	N
		Chrysene	U	318	U	NA	NA	70000	N
		Benzo[b]fluoranthene	U	318	U	14500	N	7000	N
		Benzo[k]fluoranthene	U	318	U	NA	NA	70000	N
		Benzo[a]pyrene	U	318	U	1829	N	2000	N
		Dibenz[a,h]anthracene	U	318	U	NA	NA	700	N
		Benzo[g,h,i]perylene	U	318	U	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	U	318	U	NA	NA	7000	N
		2-Methylnaphthalene	U	318	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons	U	31800	U	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	31800	U	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	31800	U	NA	NA	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM4-SW-03	Soil	Naphthalene	U	282	U	NA	NA	4000	N
		Acenaphthylene	U	282	U	NA	NA	1000	N
		Acenaphthene	U	282	U	NA	NA	4000	N
		Fluorene	U	282	U	NA	NA	1000000	N
		Phenanthrene	U	282	U	NA	NA	10000	N
		Anthracene	U	282	U	NA	NA	1000000	N
		Fluoranthene	U	282	U	NA	NA	1000000	N
		Pyrene	U	282	U	NA	NA	1000000	N
		Benzo[a]anthracene	U	282	U	14500	N	7000	N
		Chrysene	U	282	U	NA	NA	70000	N
		Benzo[b]fluoranthene	U	282	U	14500	N	7000	N
		Benzo[k]fluoranthene	U	282	U	NA	NA	70000	N
		Benzo[a]pyrene	U	282	U	1829	N	2000	N
		Dibenz[a,h]anthracene	U	282	U	NA	NA	700	N
		Benzo[g,h,i]perylene	U	282	U	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	U	282	U	NA	NA	7000	N
		2-Methylnaphthalene	U	282	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons	U	28200	U	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	28200	U	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	28200	U	NA	NA	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-12
Building 82 Maintenance Action - Gas Trap Manholes
Confirmatiry EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM4-SW-04	Soil	Naphthalene	U	294	U	NA	NA	4000	N
		Acenaphthylene	U	294	U	NA	NA	1000	N
		Acenaphthene	U	294	U	NA	NA	4000	N
		Fluorene	U	294	U	NA	NA	1000000	N
		Phenanthrene	U	294	U	NA	NA	10000	N
		Anthracene	U	294	U	NA	NA	1000000	N
		Fluoranthene	U	294	U	NA	NA	1000000	N
		Pyrene	U	294	U	NA	NA	1000000	N
		Benzo[a]anthracene	U	294	U	14500	N	7000	N
		Chrysene	U	294	U	NA	NA	70000	N
		Benzo[b]fluoranthene	U	294	U	14500	N	7000	N
		Benzo[k]fluoranthene	U	294	U	NA	NA	70000	N
		Benzo[a]pyrene	U	294	U	1829	N	2000	N
		Dibenz[a,h]anthracene	U	294	U	NA	NA	700	N
		Benzo[g,h,i]perylene	U	294	U	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	U	294	U	NA	NA	7000	N
		2-Methylnaphthalene	U	294	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons	U	2720000	U	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	2720000	U	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	2720000	U	NA	NA	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM4-B-5	Soil	Naphthalene	U	336	U	NA	NA	4000	N
		Acenaphthylene	U	336	U	NA	NA	1000	N
		Acenaphthene	U	336	U	NA	NA	4000	N
		Fluorene	U	336	U	NA	NA	1000000	N
		Phenanthrene	U	336	U	NA	NA	10000	N
		Anthracene	U	336	U	NA	NA	1000000	N
		Fluoranthene	U	336	U	NA	NA	1000000	N
		Pyrene	U	336	U	NA	NA	1000000	N
		Benzo[a]anthracene	U	336	U	NA	NA	7000	N
		Chrysene	U	336	U	NA	NA	70000	N
		Benzo[b]fluoranthene	U	336	U	NA	NA	7000	N
		Benzo[k]fluoranthene	U	336	U	NA	NA	70000	N
		Benzo[a]pyrene	U	336	U	NA	NA	2000	N
		Dibenz[a,h]anthracene	U	336	U	NA	NA	700	N
		Benzo[g,h,i]perylene	U	336	U	NA	NA	1000000	N
		Indeno[1,2,3-cd]pyrene	U	336	U	NA	NA	7000	N
		2-Methylnaphthalene	U	336	U	NA	NA	700	N
		C9-C18 Aliphatic Hydrocarbons	U	33600	U	NA	NA	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	33600	U	NA	NA	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	33600	U	NA	NA	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-13
Building 82 Maintenance - Gas Trap Manholes
Confirmatory VPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM1-SW-01	Soil	Benzene	U	130	U	2000	N
		Ethylbenzene	U	130	U	40000	N
		Methyl-tert-butyl ether	U	130	U	100	N
		Naphthalene	U	130	U	4000	N
		Toluene	U	130	U	30000	N
		m- & p-Xylenes	U	260	U	400000	N
		o-Xylene	U	130	U	400000	N
		C5-C8 Aliphatics Hydrocarbons	U	3200	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3200	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	640	U	100000	N

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM1-SW-02	Soil	Benzene	U	130	U	2000	N
		Ethylbenzene	U	130	U	40000	N
		Methyl-tert-butyl ether	U	130	U	100	N
		Naphthalene	U	130	U	4000	N
		Toluene	U	130	U	30000	N
		m- & p-Xylenes	U	260	U	400000	N
		o-Xylene	U	130	U	400000	N
		C5-C8 Aliphatics Hydrocarbons	U	3300	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3300	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	660	U	100000	N

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM1-SW-03	Soil	Benzene	U	100	U	2000	N
		Ethylbenzene	U	100	U	40000	N
		Methyl-tert-butyl ether	U	100	U	100	N
		Naphthalene	U	100	U	4000	N
		Toluene	U	100	U	30000	N
		m- & p-Xylenes	U	210	U	400000	N
		o-Xylene	U	100	U	400000	N
		C5-C8 Aliphatics Hydrocarbons	U	2600	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	2600	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	520	U	100000	N

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM1-SW-04	Soil	Benzene	U	140	U	2000	N
		Ethylbenzene	U	140	U	40000	N
		Methyl-tert-butyl ether	U	140	U	100	N
		Naphthalene	U	140	U	4000	N
		Toluene	U	140	U	30000	N
		m- & p-Xylenes	U	280	U	400000	N
		o-Xylene	U	140	U	400000	N
		C5-C8 Aliphatics Hydrocarbons	U	3450	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3450	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	690	U	100000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-13
Building 82 Maintenance - Gas Trap Manholes
Confirmatory VPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM1-B-5	Soil	Benzene	U	150	U	2000	N
		Ethylbenzene	U	150	U	40000	N
		Methyl-tert-butyl ether	U	150	U	100	N
		Naphthalene		150	488	4000	N
		Toluene	U	150	U	30000	N
		m- & p-Xylenes	U	310	U	400000	N
		o-Xylene	U	150	U	400000	N
		C5-C8 Aliphatics Hydrocarbons	U	3830	U	100000	N
		C9-C12 Aliphatic Hydrocarbons		3830	92700	1000000	N
		C9-C10 Aromatic Hydrocarbons		770	67500	100000	N

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM2-SW-01	Soil	Benzene	U	120	U	2000	N
		Ethylbenzene	U	120	U	40000	N
		Methyl-tert-butyl ether	U	120	U	100	N
		Naphthalene	U	120	U	4000	N
		Toluene	U	120	U	30000	N
		m- & p-Xylenes	U	230	U	400000	N
		o-Xylene	U	120	U	400000	N
		C5-C8 Aliphatics Hydrocarbons	U	2900	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	2900	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	580	U	100000	N

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM2-SW-02	Soil	Benzene	U	140	U	2000	N
		Ethylbenzene	U	140	U	40000	N
		Methyl-tert-butyl ether	U	140	U	100	N
		Naphthalene	U	140	U	4000	N
		Toluene	U	140	U	30000	N
		m- & p-Xylenes	U	270	U	400000	N
		o-Xylene	U	140	U	400000	N
		C5-C8 Aliphatics Hydrocarbons	U	3400	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3400	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	680	U	100000	N

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM2-SW-03	Soil	Benzene	U	140	U	2000	N
		Ethylbenzene	U	140	U	40000	N
		Methyl-tert-butyl ether	U	140	U	100	N
		Naphthalene	U	140	U	4000	N
		Toluene	U	140	U	30000	N
		m- & p-Xylenes	U	270	U	400000	N
		o-Xylene	U	140	U	400000	N
		C5-C8 Aliphatics Hydrocarbons	U	3400	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3400	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	680	U	100000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-13
Building 82 Maintenance - Gas Trap Manholes
Confirmatory VPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM2-SW-04	Soil	Benzene	U	130	U	2000	N
		Ethylbenzene	U	130	U	40000	N
		Methyl-tert-butyl ether	U	130	U	100	N
		Naphthalene	U	130	U	4000	N
		Toluene	U	130	U	30000	N
		m- & p-Xylenes	U	260	U	400000	N
		o-Xylene	U	130	U	400000	N
		C5-C8 Aliphatics Hydrocarbons	U	3250	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3250	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	650	U	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM2-B-5	Soil	Benzene	U	150	U	2000	N
		Ethylbenzene	U	150	U	40000	N
		Methyl-tert-butyl ether	U	150	U	100	N
		Naphthalene	U	150	U	4000	N
		Toluene	U	150	U	30000	N
		m- & p-Xylenes	U	300	U	400000	N
		o-Xylene	U	150	U	400000	N
		C5-C8 Aliphatics Hydrocarbons	U	3700	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3700	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	740	U	100000	N

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM3-SW-01	Soil	Benzene	U	120	U	2000	N
		Ethylbenzene	U	120	U	40000	N
		Methyl-tert-butyl ether	U	120	U	100	N
		Naphthalene	U	120	U	4000	N
		Toluene	U	120	U	30000	N
		m- & p-Xylenes	U	240	U	300000	N
		o-Xylene	U	120	U	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3050	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3050	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	610	U	100000	N

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM3-SW-02	Soil	Benzene	U	140	U	2000	N
		Ethylbenzene	U	140	U	40000	N
		Methyl-tert-butyl ether	U	140	U	100	N
		Naphthalene	U	140	U	4000	N
		Toluene	U	140	U	30000	N
		m- & p-Xylenes	U	280	U	300000	N
		o-Xylene	U	140	U	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3500	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3500	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	700	U	100000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-13
Building 82 Maintenance - Gas Trap Manholes
Confirmatory VPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM3-SW-03	Soil	Benzene	U	120	U	2000	N
		Ethylbenzene	U	120	U	40000	N
		Methyl-tert-butyl ether	U	120	U	100	N
		Naphthalene	U	120	U	4000	N
		Toluene	U	120	U	30000	N
		m- & p-Xylenes	U	250	U	300000	N
		o-Xylene	U	120	U	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3100	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3100	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	620	U	100000	N

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM3-SW-04	Soil	Benzene	U	120	U	2000	N
		Ethylbenzene	U	120	U	40000	N
		Methyl-tert-butyl ether	U	120	U	100	N
		Naphthalene	U	120	U	4000	N
		Toluene	U	120	U	30000	N
		m- & p-Xylenes	U	240	U	300000	N
		o-Xylene	U	120	U	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3000	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3000	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	600	U	100000	N

SAMPLE ID	MATRIX	PARAMETER (Individual results from 8260 analysis)	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM3-SW-04D	Soil	Benzene	U	140	U	2000	N
		Ethylbenzene	U	140	U	40000	N
		Methyl-tert-butyl ether	U	140	U	100	N
		Naphthalene	U	140	U	4000	N
		Toluene	U	140	U	30000	N
		m- & p-Xylenes	U	280	U	300000	N
		o-Xylene	U	140	U	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3500	U	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3500	U	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	700	U	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM3-B-5	Soil	Benzene	U	130	U	2000	N
		Ethylbenzene	U	130	U	40000	N
		Methyl-tert-butyl ether	U	130	U	100	N
		Naphthalene		130	393	4000	N
		Toluene	U	130	U	30000	N
		m- & p-Xylenes	U	260	U	300000	N
		o-Xylene	U	130	U	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3300	U	100000	N
		C9-C12 Aliphatic Hydrocarbons		3300	3640	1000000	N
		C9-C10 Aromatic Hydrocarbons		660	2250	100000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-14
Building 82 Maintenance Action - Gas Trap Manholes
Confirmatory TAL Metals Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM-2-SW-01	Soil	Aluminum		10	5600	NA	NA
		Antimony	U	0.55	U	20	N
		Arsenic	J	0.61	1.1	20	N
		Barium		0.31	15	1000	N
		Beryllium		0.021	0.54	100	N
		Cadmium	U	0.1	U	2	N
		Calcium		21	2300	NA	NA
		Chromium		0.51	7.1	30	N
		Cobalt		0.12	4.8	NA	NA
		Copper		1.1	8.3	NA	NA
		Iron		7.2	12000	NA	NA
		Lead		0.55	7.6	300	N
		Magnesium		2.5	2600	NA	NA
		Manganese		0.31	150	NA	NA
		Mercury	U	0.0084	U	20	N
		Nickel		0.32	6.3	20	N
		Potassium		8.2	400	NA	NA
		Selenium	U	1	U	400	N
		Silver	U	0.099	U	100	N
		Sodium	U	84	U	NA	NA
		Thallium	U	1	U	8	N
		Vanadium		0.25	17	600	N
		Zinc		1.2	38	2500	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM-2-SW-02	Soil	Aluminum		10	5000	NA	NA
		Antimony	U	0.55	U	20	N
		Arsenic	J	0.61	1.3	20	N
		Barium		0.31	22	1000	N
		Beryllium		0.021	0.58	100	N
		Cadmium	U	0.1	U	2	N
		Calcium		21	1700	NA	NA
		Chromium		0.52	5.2	30	N
		Cobalt		0.12	3.1	NA	NA
		Copper		1.1	4.6	NA	NA
		Iron		7.3	12000	NA	NA
		Lead		0.55	7.3	300	N
		Magnesium		2.5	1700	NA	NA
		Manganese		0.31	260	NA	NA
		Mercury	U	0.0088	U	20	N
		Nickel		0.32	4.4	20	N
		Potassium		8.3	510	NA	NA
		Selenium	U	1	U	400	N
		Silver	U	0.1	U	100	N
		Sodium	U	85	U	NA	NA
		Thallium	U	1	U	8	N
		Vanadium		0.25	11	600	N
		Zinc		1.2	32	2500	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-14
Building 82 Maintenance Action - Gas Trap Manholes
Confirmatory TAL Metals Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM-2-SW-02D	Soil	Aluminum		9.8	4800	NA	NA
		Antimony	U	0.52	U	20	N
		Arsenic	J	0.58	1.5	20	N
		Barium		0.3	19	1000	N
		Beryllium		0.02	0.66	100	N
		Cadmium	U	0.098	U	2	N
		Calcium		20	1200	NA	NA
		Chromium		0.49	5.6	30	N
		Cobalt		0.12	2.4	NA	NA
		Copper		1.1	5.2	NA	NA
		Iron		6.9	12000	NA	NA
		Lead		0.52	6.8	300	N
		Magnesium		2.4	1500	NA	NA
		Manganese		0.3	230	NA	NA
		Mercury	U	0.009	U	20	N
		Nickel	J	0.3	3.2	20	N
		Potassium		7.9	410	NA	NA
		Selenium	U	0.98	U	400	N
		Silver	U	0.094	U	100	N
		Sodium	U	81	U	NA	NA
		Thallium	U	0.97	U	8	N
		Vanadium		0.24	12	600	N
		Zinc		1.2	38	2500	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	Reporting limit	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM-2-SW-03	Soil	Aluminum	J	9.9	3400	NA	NA
		Antimony	J	0.52	0.58	20	N
		Arsenic	J	0.58	0.89	20	N
		Barium		0.3	13	1000	N
		Beryllium	J	0.02	0.4	100	N
		Cadmium	U	0.099	U	2	N
		Calcium	J	20	1000	NA	NA
		Chromium		0.49	3	30	N
		Cobalt		0.12	1.8	NA	NA
		Copper		1.1	3.1	NA	NA
		Iron	J	6.9	7700	NA	NA
		Lead		0.52	3.7	300	N
		Magnesium	J	2.4	1100	NA	NA
		Manganese	J	0.3	120	NA	NA
		Mercury	U	0.0085	U	20	N
		Nickel	J	0.31	2.5	20	N
		Potassium		7.9	350	NA	NA
		Selenium	U	0.99	U	400	N
		Silver	UJ	0.095	0.095	100	N
		Sodium	U	81	U	NA	NA
		Thallium	U	0.98	U	8	N
		Vanadium		0.24	8.7	600	N
		Zinc	J	1.2	22	2500	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-14
Building 82 Maintenance Action - Gas Trap Manholes
Confirmatory TAL Metals Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM-2-SW-04	Soil	Aluminum		11	5300	NA	NA
		Antimony	J	0.58	0.82	20	N
		Arsenic	J	0.64	1.6	20	N
		Barium		0.33	17	1000	N
		Beryllium		0.022	1.1	100	N
		Cadmium	J	0.11	0.75	2	N
		Calcium		22	1900	NA	NA
		Chromium		0.55	7.1	30	N
		Cobalt		0.13	3.1	NA	NA
		Copper		1.2	11	NA	NA
		Iron		7.7	8600	NA	NA
		Lead		0.58	7.1	300	N
		Magnesium		2.6	2100	NA	NA
		Manganese		0.33	130	NA	NA
		Mercury	J	0.009	0.0120	20	N
		Nickel		0.34	7.1	20	N
		Potassium		8.7	380	NA	NA
		Selenium	U	1.1	U	400	N
		Silver	U	0.1	U	100	N
		Sodium	U	90	U	NA	NA
		Thallium	U	1.1	U	8	N
		Vanadium	J	0.26	14	600	N
		Zinc	J	1.3	27	2500	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	RESULT (mg/kg)	MCP S-1 Criteria (mg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-GTM-2-B-5	Soil	Aluminum		12	3100	NA	NA
		Antimony	U	0.64	U	20	N
		Arsenic	U	0.71	U	20	N
		Barium		0.36	12	1000	N
		Beryllium	J	0.024	0.29	100	N
		Cadmium	U	0.12	U	2	N
		Calcium		24	960	NA	NA
		Chromium		0.6	4.8	30	N
		Cobalt		0.14	2	NA	NA
		Copper		1.3	4.8	NA	NA
		Iron		8.4	5700	NA	NA
		Lead		0.64	2.5	300	N
		Magnesium		2.9	1200	NA	NA
		Manganese		0.36	67	NA	NA
		Mercury	U	0.01	U	20	N
		Nickel	J	0.37	3.6	20	N
		Potassium		9.6	360	NA	NA
		Selenium	U	1.2	U	400	N
		Silver	U	0.12	U	100	N
		Sodium	U	99	U	NA	NA
		Thallium	U	1.2	U	8	N
		Vanadium		0.29	9	600	N
		Zinc		1.4	19	2500	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM1-SW-1	SOIL	1,1,1,2-Tetrachloroethane	2.3	U	1.15	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.3	U	1.15	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.3	U	1.15	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.3	U	1.15	100	N	N	79-00-5
		1,1-Dichloroethane	2.3	U	1.15	400	N	N	75-34-3
		1,1-Dichloroethene	2.3	U	1.15	3000	N	N	75-35-4
		1,1-Dichloropropene	2.3	U	1.15	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.3	U	1.15	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.3	U	1.15	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.3	U	1.15	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.3	U	1.15	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.3	U	1.15	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.3	U	1.15	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.3	U	1.15	9000	N	N	95-50-1
		1,2-Dichloroethane	2.3	U	1.15	100	N	N	107-06-2
		1,2-Dichloropropane	2.3	U	1.15	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.3	U	1.15	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.3	U	1.15	1000	N	N	541-73-1
		1,3-Dichloropropane	2.3	U	1.15	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.3	U	1.15	700	N	N	106-46-7
		2,2-Dichloropropane	2.3	U	1.15	NA	NA	N	590-20-7
		2-Butanone (MEK)	12	U	6	4000	N	N	78-93-3
		2-Chlorotoluene	2.3	U	1.15	NA	NA	N	95-49-8
		2-Hexanone	12	U	6	NA	NA	N	591-78-6
		4-Chlorotoluene	2.3	U	1.15	NA	NA	N	106-43-4
		Acetone	12	35	35	6000	N	N	67-64-1
		Benzene	2.3	U	1.15	2000	N	N	71-43-2
		Bromobenzene	2.3	U	1.15	NA	NA	N	108-86-1
		Bromochloromethane	2.3	U	1.15	NA	NA	N	74-97-5
		Bromodichloromethane	2.3	U	1.15	100	N	N	75-27-4
		Bromoform	2.3	U	1.15	100	N	N	75-25-2
		Bromomethane	2.3	U	1.15	500	N	N	74-83-9
		Carbon disulfide	2.3	U	1.15	NA	NA	N	75-15-0
		Carbon tetrachloride	2.3	U	1.15	5000	N	N	56-23-5
		Chlorobenzene	2.3	U	1.15	1000	N	N	108-90-7
		Chloroethane	2.3	U	1.15	NA	NA	N	75-00-3
		Chloroform	2.3	U	1.15	300	N	N	67-66-3
		Chloromethane	2.3	U	1.15	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.3	U	1.15	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.3	U	1.15	10	N	N	10061-01-5
		Dibromochloromethane	2.3	U	1.15	5	N	N	124-48-1
		Dibromomethane	2.3	U	1.15	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.3	U	1.15	NA	NA	N	75-71-8
		Ethylbenzene	2.3	U	1.15	40000	N	N	100-41-4
		Hexachlorobutadiene	2.3	U	1.15	6000	N	N	87-68-3
		Iodomethane	2.3	U	1.15	NA	NA	N	74-88-04
		Isopropylbenzene	2.3	U	1.15	NA	NA	N	98-82-8
		Methyl isobutyl ketone	12	U	6	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.3	U	1.15	100	N	N	1634-04-4
		Methylene chloride	12	17	17	100	N	N	75-09-2
		Napthalene	2.3	U	1.15	4000	N	N	00091-20-3
		n-Butylbenzene	2.3	U	1.15	NA	NA	N	104-51-8
		n-Propylbenzene	2.3	U	1.15	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.3	U	1.15	NA	NA	N	99-87-6
		sec-Butylbenzene	2.3	U	1.15	NA	NA	N	135-98-8
		Styrene	2.3	U	1.15	3000	N	N	100-42-5
		tert-Butylbenzene	2.3	U	1.15	NA	NA	N	98-06-6
		Tetrachloroethene	2.3	U	1.15	1000	N	N	127-18-4
		Toluene	2.3	U	1.15	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.3	U	1.15	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.3	U	1.15	10	N	N	10061-02-6
		Trichloroethene	2.3	U	1.15	300	N	N	79-01-6
		Trichlorofluoromethane	2.3	U	1.15	NA	NA	N	75-69-4
		Vinyl Acetate	5.8	U	2.9	NA	NA	N	108-05-4
		Vinyl chloride	2.3	U	1.15	600	N	N	75-01-4
		Xylene (Total)	2.1	U	1.05	300000	N	N	1330-20-7
					141.8	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM1-SW-2	SOIL	1,1,1,2-Tetrachloroethane	2.1	U	1.05	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.1	U	1.05	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.1	U	1.05	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.1	U	1.05	100	N	N	79-00-5
		1,1-Dichloroethane	2.1	U	1.05	400	N	N	75-34-3
		1,1-Dichloroethene	2.1	U	1.05	3000	N	N	75-35-4
		1,1-Dichloropropene	2.1	U	1.05	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.1	U	1.05	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.1	U	1.05	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.1	U	1.05	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.1	U	1.05	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.1	U	1.05	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.1	U	1.05	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.1	U	1.05	9000	N	N	95-50-1
		1,2-Dichloroethane	2.1	U	1.05	100	N	N	107-06-2
		1,2-Dichloropropane	2.1	U	1.05	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.1	U	1.05	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.1	U	1.05	1000	N	N	541-73-1
		1,3-Dichloropropane	2.1	U	1.05	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.1	U	1.05	700	N	N	106-46-7
		2,2-Dichloropropane	2.1	U	1.05	NA	NA	N	590-20-7
		2-Butanone (MEK)	2.1	U	1.05	4000	N	N	78-93-3
		2-Chlorotoluene	2.1	U	1.05	NA	NA	N	95-49-8
		2-Hexanone	10	U	5	NA	NA	N	591-78-6
		4-Chlorotoluene	2.1	U	1.05	NA	NA	N	106-43-4
		Acetone	10	27	27	6000	N	N	67-64-1
		Benzene	2.1	U	1.05	2000	N	N	71-43-2
		Bromobenzene	2.1	U	1.05	NA	NA	N	108-86-1
		Bromochloromethane	2.1	U	1.05	NA	NA	N	74-97-5
		Bromodichloromethane	2.1	U	1.05	100	N	N	75-27-4
		Bromoform	2.1	U	1.05	100	N	N	75-25-2
		Bromomethane	2.1	U	1.05	500	N	N	74-83-9
		Carbon disulfide	2.1	U	1.05	NA	NA	N	75-15-0
		Carbon tetrachloride	2.1	U	1.05	5000	N	N	56-23-5
		Chlorobenzene	2.1	U	1.05	1000	N	N	108-90-7
		Chloroethane	2.1	U	1.05	NA	NA	N	75-00-3
		Chloroform	2.1	U	1.05	300	N	N	67-66-3
		Chloromethane	2.1	U	1.05	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.1	U	1.05	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.1	U	1.05	10	N	N	10061-01-5
		Dibromochloromethane	2.1	U	1.05	5	N	N	124-48-1
		Dibromomethane	2.1	U	1.05	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.1	U	1.05	NA	NA	N	75-71-8
		Ethylbenzene	2.1	U	1.05	40000	N	N	100-41-4
		Hexachlorobutadiene	2.1	U	1.05	6000	N	N	87-68-3
		Iodomethane	2.1	U	1.05	NA	NA	N	74-88-04
		Isopropylbenzene	2.1	U	1.05	NA	NA	N	98-82-8
		Methyl isobutyl ketone	10	U	5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.1	U	1.05	100	N	N	1634-04-4
		Methylene chloride	10	12	12	100	N	N	75-09-2
		Napthalene	2.1	U	1.05	4000	N	N	00091-20-3
		n-Butylbenzene	2.1	U	1.05	NA	NA	N	104-51-8
		n-Propylbenzene	2.1	U	1.05	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.1	U	1.05	NA	NA	N	99-87-6
		sec-Butylbenzene	2.1	U	1.05	NA	NA	N	135-98-8
		Styrene	2.1	U	1.05	3000	N	N	100-42-5
		tert-Butylbenzene	2.1	U	1.05	NA	NA	N	98-06-6
		Tetrachloroethene	2.1	U	1.05	1000	N	N	127-18-4
		Toluene	2.1	U	1.05	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.1	U	1.05	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.1	U	1.05	10	N	N	10061-02-6
		Trichloroethene	2.1	U	1.05	300	N	N	79-01-6
		Trichlorofluoromethane	2.1	U	1.05	NA	NA	N	75-69-4
		Vinyl Acetate	5.2	U	2.6	NA	NA	N	108-05-4
		Vinyl chloride	2.1	U	1.05	600	N	N	75-01-4
		Xylene (Total)	2	U	1	300000	N	N	1330-20-7
					115.6	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM1-SW-3	SOIL	1,1,1,2-Tetrachloroethane	1.7	U	0.85	100	N	N	630-20-6
		1,1,1-Trichloroethane	1.7	4.8	4.8	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	1.7	U	0.85	5	N	N	79-34-5
		1,1,2-Trichloroethane	1.7	U	0.85	100	N	N	79-00-5
		1,1-Dichloroethane	1.7	2.4	2.4	400	N	N	75-34-3
		1,1-Dichloroethene	1.7	U	0.85	3000	N	N	75-35-4
		1,1-Dichloropropene	1.7	U	0.85	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	1.7	U	0.85	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	1.7	U	0.85	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	1.7	U	0.85	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	1.7	U	0.85	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	1.7	U	0.85	NA	NA	N	96-12-8
		1,2-Dibromoethane	1.7	U	0.85	100	N	N	106-93-4
		1,2-Dichlorobenzene	1.7	U	0.85	9000	N	N	95-50-1
		1,2-Dichloroethane	1.7	U	0.85	100	N	N	107-06-2
		1,2-Dichloropropane	1.7	U	0.85	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	1.7	U	0.85	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	1.7	U	0.85	1000	N	N	541-73-1
		1,3-Dichloropropane	1.7	U	0.85	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	1.7	U	0.85	700	N	N	106-46-7
		2,2-Dichloropropane	1.7	U	0.85	NA	NA	N	590-20-7
		2-Butanone (MEK)	8.6	U	4.3	4000	N	N	78-93-3
		2-Chlorotoluene	1.7	U	0.85	NA	NA	N	95-49-8
		2-Hexanone	8.6	U	4.3	NA	NA	N	591-78-6
		4-Chlorotoluene	1.7	U	0.85	NA	NA	N	106-43-4
		Acetone	8.6	22	22	6000	N	N	67-64-1
		Benzene	1.7	U	0.85	2000	N	N	71-43-2
		Bromobenzene	1.7	U	0.85	NA	NA	N	108-86-1
		Bromochloromethane	1.7	U	0.85	NA	NA	N	74-97-5
		Bromodichloromethane	1.7	U	0.85	100	N	N	75-27-4
		Bromoform	1.7	U	0.85	100	N	N	75-25-2
		Bromomethane	1.7	U	0.85	500	N	N	74-83-9
		Carbon disulfide	1.7	U	0.85	NA	NA	N	75-15-0
		Carbon tetrachloride	1.7	U	0.85	5000	N	N	56-23-5
		Chlorobenzene	1.7	U	0.85	1000	N	N	108-90-7
		Chloroethane	1.7	U	0.85	NA	NA	N	75-00-3
		Chloroform	1.7	U	0.85	300	N	N	67-66-3
		Chloromethane	1.7	U	0.85	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	1.7	U	0.85	300	N	N	156-59-2
		cis-1,3-Dichloropropene	1.7	U	0.85	10	N	N	10061-01-5
		Dibromochloromethane	1.7	U	0.85	5	N	N	124-48-1
		Dibromomethane	1.7	U	0.85	NA	NA	N	74-95-3
		Dichlorodifluoromethane	1.7	U	0.85	NA	NA	N	75-71-8
		Ethylbenzene	1.7	U	0.85	40000	N	N	100-41-4
		Hexachlorobutadiene	1.7	U	0.85	6000	N	N	87-68-3
		Iodomethane	1.7	U	0.85	NA	NA	N	74-88-04
		Isopropylbenzene	1.7	U	0.85	NA	NA	N	98-82-8
		Methyl isobutyl ketone	8.6	U	4.3	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	1.7	U	0.85	100	N	N	1634-04-4
		Methylene chloride	8.6	U	4.3	100	N	N	75-09-2
		Napthalene	1.7	U	0.85	4000	N	N	00091-20-3
		n-Butylbenzene	1.7	U	0.85	NA	NA	N	104-51-8
		n-Propylbenzene	1.7	U	0.85	NA	NA	N	103-65-1
		p-Isopropyltoluene	1.7	U	0.85	NA	NA	N	99-87-6
		sec-Butylbenzene	1.7	U	0.85	NA	NA	N	135-98-8
		Styrene	1.7	U	0.85	3000	N	N	100-42-5
		tert-Butylbenzene	1.7	U	0.85	NA	NA	N	98-06-6
		Tetrachloroethene	1.7	U	0.85	1000	N	N	127-18-4
		Toluene	1.7	U	0.85	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	1.7	U	0.85	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	1.7	U	0.85	10	N	N	10061-02-6
		Trichloroethene	1.7	U	0.85	300	N	N	79-01-6
		Trichlorofluoromethane	1.7	U	0.85	NA	NA	N	75-69-4
		Vinyl Acetate	4.3	U	2.15	NA	NA	N	108-05-4
		Vinyl chloride	1.7	U	0.85	600	N	N	75-01-4
		Xylene (Total)	2.1	U	1.05	300000	N	N	1330-20-7
					98.05	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM1-SW-4	SOIL	1,1,1,2-Tetrachloroethane	2.1	U	1.05	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.1	U	1.05	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.1	U	1.05	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.1	U	1.05	100	N	N	79-00-5
		1,1-Dichloroethane	2.1	U	1.05	400	N	N	75-34-3
		1,1-Dichloroethene	2.1	U	1.05	3000	N	N	75-35-4
		1,1-Dichloropropene	2.1	U	1.05	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.1	U	1.05	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.1	U	1.05	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.1	U	1.05	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.1	U	1.05	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.1	U	1.05	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.1	U	1.05	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.1	U	1.05	9000	N	N	95-50-1
		1,2-Dichloroethane	2.1	U	1.05	100	N	N	107-06-2
		1,2-Dichloropropane	2.1	U	1.05	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.1	U	1.05	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.1	U	1.05	1000	N	N	541-73-1
		1,3-Dichloropropane	2.1	U	1.05	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.1	U	1.05	700	N	N	106-46-7
		2,2-Dichloropropane	2.1	U	1.05	NA	NA	N	590-20-7
		2-Butanone (MEK)	2.1	U	1.05	4000	N	N	78-93-3
		2-Chlorotoluene	2.1	U	1.05	NA	NA	N	95-49-8
		2-Hexanone	10	U	5	NA	NA	N	591-78-6
		4-Chlorotoluene	2.1	U	1.05	NA	NA	N	106-43-4
		Acetone	10	28	28	6000	N	N	67-64-1
		Benzene	2.1	U	1.05	2000	N	N	71-43-2
		Bromobenzene	2.1	U	1.05	NA	NA	N	108-86-1
		Bromochloromethane	2.1	U	1.05	NA	NA	N	74-97-5
		Bromodichloromethane	2.1	U	1.05	100	N	N	75-27-4
		Bromoform	2.1	U	1.05	100	N	N	75-25-2
		Bromomethane	2.1	U	1.05	500	N	N	74-83-9
		Carbon disulfide	2.1	U	1.05	NA	NA	N	75-15-0
		Carbon tetrachloride	2.1	U	1.05	5000	N	N	56-23-5
		Chlorobenzene	2.1	U	1.05	1000	N	N	108-90-7
		Chloroethane	2.1	U	1.05	NA	NA	N	75-00-3
		Chloroform	2.1	U	1.05	300	N	N	67-66-3
		Chloromethane	2.1	U	1.05	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.1	U	1.05	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.1	U	1.05	10	N	N	10061-01-5
		Dibromochloromethane	2.1	U	1.05	5	N	N	124-48-1
		Dibromomethane	2.1	U	1.05	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.1	U	1.05	NA	NA	N	75-71-8
		Ethylbenzene	2.1	U	1.05	40000	N	N	100-41-4
		Hexachlorobutadiene	2.1	U	1.05	6000	N	N	87-68-3
		Iodomethane	2.1	U	1.05	NA	NA	N	74-88-04
		Isopropylbenzene	2.1	U	1.05	NA	NA	N	98-82-8
		Methyl isobutyl ketone	10	U	5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.1	U	1.05	100	N	N	1634-04-4
		Methylene chloride	10	15	15	100	N	N	75-09-2
		Napthalene	2.1	U	1.05	4000	N	N	00091-20-3
		n-Butylbenzene	2.1	U	1.05	NA	NA	N	104-51-8
		n-Propylbenzene	2.1	U	1.05	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.1	U	1.05	NA	NA	N	99-87-6
		sec-Butylbenzene	2.1	U	1.05	NA	NA	N	135-98-8
		Styrene	2.1	U	1.05	3000	N	N	100-42-5
		tert-Butylbenzene	2.1	U	1.05	NA	NA	N	98-06-6
		Tetrachloroethene	2.1	U	1.05	1000	N	N	127-18-4
		Toluene	2.1	U	1.05	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.1	U	1.05	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.1	U	1.05	10	N	N	10061-02-6
		Trichloroethene	2.1	U	1.05	300	N	N	79-01-6
		Trichlorofluoromethane	2.1	U	1.05	NA	NA	N	75-69-4
		Vinyl Acetate	5.1	U	2.55	NA	NA	N	108-05-4
		Vinyl chloride	2.1	U	1.05	600	N	N	75-01-4
		Xylene (Total)	2.1	U	1.05	300000	N	N	1330-20-7
					119.6	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	QUAL Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM1-B-5	SOIL	1,1,1,2-Tetrachloroethane	2.2	U	1.1	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.2	U	1.1	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.2	U	1.1	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.2	U	1.1	100	N	N	79-00-5
		1,1-Dichloroethane	2.2	U	1.1	400	N	N	75-34-3
		1,1-Dichloroethene	2.2	U	1.1	3000	N	N	75-35-4
		1,1-Dichloropropene	2.2	U	1.1	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.2	U	1.1	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.2	U	1.1	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.2	U	1.1	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.2	U	1.1	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.2	U	1.1	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.2	U	1.1	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.2	U	1.1	9000	N	N	95-50-1
		1,2-Dichloroethane	2.2	U	1.1	100	N	N	107-06-2
		1,2-Dichloropropane	2.2	U	1.1	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.2	U	1.1	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.2	U	1.1	1000	N	N	541-73-1
		1,3-Dichloropropane	2.2	U	1.1	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.2	U	1.1	700	N	N	106-46-7
		2,2-Dichloropropane	2.2	U	1.1	NA	NA	N	590-20-7
		2-Butanone (MEK)	2.2	U	1.1	4000	N	N	78-93-3
		2-Chlorotoluene	2.2	U	1.1	NA	NA	N	95-49-8
		2-Hexanone	11	U	5.5	400	N	N	591-78-6
		4-Chlorotoluene	2.2	U	1.1	NA	NA	N	106-43-4
		Acetone	11	40	40	6000	N	N	67-64-1
		Benzene	2.2	U	1.1	2000	N	N	71-43-2
		Bromobenzene	2.2	U	1.1	NA	NA	N	108-86-1
		Bromochloromethane	2.2	U	1.1	NA	NA	N	74-97-5
		Bromodichloromethane	2.2	U	1.1	100	N	N	75-27-4
		Bromoform	2.2	U	1.1	100	N	N	75-25-2
		Bromomethane	2.2	U	1.1	500	N	N	74-83-9
		Carbon disulfide	2.2	2.0	2	NA	NA	N	75-15-0
		Carbon tetrachloride	2.2	U	1.1	5000	N	N	56-23-5
		Chlorobenzene	2.2	U	1.1	1000	N	N	108-90-7
		Chloroethane	2.2	U	1.1	NA	NA	N	75-00-3
		Chloroform	2.2	U	1.1	300	N	N	67-66-3
		Chloromethane	2.2	U	1.1	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.2	U	1.1	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.2	U	1.1	10	N	N	10061-01-5
		Dibromochloromethane	2.2	U	1.1	5	N	N	124-48-1
		Dibromomethane	2.2	U	1.1	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.2	U	1.1	NA	NA	N	75-71-8
		Ethylbenzene	2.2	U	1.1	40000	N	N	100-41-4
		Hexachlorobutadiene	2.2	U	1.1	6000	N	N	87-68-3
		Iodomethane	2.2	U	1.1	NA	NA	N	74-88-04
		Isopropylbenzene	2.2	U	1.1	NA	NA	N	98-82-8
		Methyl isobutyl ketone	11	U	5.5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.2	U	1.1	100	N	N	1634-04-4
		Methylene chloride	11	24	24	100	N	N	75-09-2
		Napthalene	2.2	U	1.1	4000	N	N	00091-20-3
		n-Butylbenzene	2.2	U	1.1	NA	NA	N	104-51-8
		n-Propylbenzene	2.2	U	1.1	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.2	U	1.1	NA	NA	N	99-87-6
		sec-Butylbenzene	2.2	U	1.1	NA	NA	N	135-98-8
		Styrene	2.2	U	1.1	3000	N	N	100-42-5
		tert-Butylbenzene	2.2	U	1.1	NA	NA	N	98-06-6
		Tetrachloroethene	2.2	U	1.1	1000	N	N	127-18-4
		Toluene	2.2	U	1.1	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.2	U	1.1	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.2	U	1.1	10	N	N	10061-02-6
		Trichloroethene	2.2	U	1.1	300	N	N	79-01-6
		Trichlorofluoromethane	2.2	U	1.1	NA	NA	N	75-69-4
		Vinyl Acetate	5.5	U	2.75	NA	NA	N	108-05-4
		Vinyl chloride	2.2	U	1.1	600	N	N	75-01-4
		Xylene (Total)	2.2	U	1.1	300000	N	N	1330-20-7
					145.75	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM2-SW-1	SOIL	1,1,1,2-Tetrachloroethane	2.1	U	1.05	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.1	U	1.05	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.1	U	1.05	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.1	U	1.05	100	N	N	79-00-5
		1,1-Dichloroethane	2.1	U	1.05	400	N	N	75-34-3
		1,1-Dichloroethene	2.1	U	1.05	3000	N	N	75-35-4
		1,1-Dichloropropene	2.1	U	1.05	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.1	U	1.05	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.1	U	1.05	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.1	U	1.05	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.1	U	1.05	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.1	U	1.05	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.1	U	1.05	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.1	U	1.05	9000	N	N	95-50-1
		1,2-Dichloroethane	2.1	U	1.05	100	N	N	107-06-2
		1,2-Dichloropropane	2.1	U	1.05	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.1	U	1.05	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.1	U	1.05	1000	N	N	541-73-1
		1,3-Dichloropropane	2.1	U	1.05	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.1	U	1.05	700	N	N	106-46-7
		2,2-Dichloropropane	2.1	U	1.05	NA	NA	N	590-20-7
		2-Butanone (MEK)	12	U	6	4000	N	N	78-93-3
		2-Chlorotoluene	2.1	U	1.05	NA	NA	N	95-49-8
		2-Hexanone	12	U	6	NA	NA	N	591-78-6
		4-Chlorotoluene	2.1	U	1.05	NA	NA	N	106-43-4
		Acetone	11	30	30	6000	N	N	67-64-1
		Benzene	2.1	U	1.05	2000	N	N	71-43-2
		Bromobenzene	2.1	U	1.05	NA	NA	N	108-86-1
		Bromochloromethane	2.1	U	1.05	NA	NA	N	74-97-5
		Bromodichloromethane	2.1	U	1.05	100	N	N	75-27-4
		Bromoform	2.1	U	1.05	100	N	N	75-25-2
		Bromomethane	2.1	U	1.05	500	N	N	74-83-9
		Carbon disulfide	2.1	U	1.05	NA	NA	N	75-15-0
		Carbon tetrachloride	2.1	U	1.05	5000	N	N	56-23-5
		Chlorobenzene	2.1	U	1.05	1000	N	N	108-90-7
		Chloroethane	2.1	U	1.05	NA	NA	N	75-00-3
		Chloroform	2.1	U	1.05	300	N	N	67-66-3
		Chloromethane	2.1	U	1.05	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.1	U	1.05	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.1	U	1.05	10	N	N	10061-01-5
		Dibromochloromethane	2.1	U	1.05	5	N	N	124-48-1
		Dibromomethane	2.1	U	1.05	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.1	U	1.05	NA	NA	N	75-71-8
		Ethylbenzene	2.1	U	1.05	40000	N	N	100-41-4
		Hexachlorobutadiene	2.1	U	1.05	6000	N	N	87-68-3
		Iodomethane	2.1	U	1.05	NA	NA	N	74-88-04
		Isopropylbenzene	2.1	U	1.05	NA	NA	N	98-82-8
		Methyl isobutyl ketone	11	U	5.5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.1	U	1.05	100	N	N	1634-04-4
		Methylene chloride	11	11	11	100	N	N	75-09-2
		Napthalene	2.1	U	1.05	4000	N	N	00091-20-3
		n-Butylbenzene	2.1	U	1.05	NA	NA	N	104-51-8
		n-Propylbenzene	2.1	U	1.05	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.1	U	1.05	NA	NA	N	99-87-6
		sec-Butylbenzene	2.1	U	1.05	NA	NA	N	135-98-8
		Styrene	2.1	U	1.05	3000	N	N	100-42-5
		tert-Butylbenzene	2.1	U	1.05	NA	NA	N	98-06-6
		Tetrachloroethene	2.1	U	1.05	1000	N	N	127-18-4
		Toluene	2.1	U	1.05	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.1	U	1.05	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.1	U	1.05	10	N	N	10061-02-6
		Trichloroethene	2.1	U	1.05	300	N	N	79-01-6
		Trichlorofluoromethane	2.1	U	1.05	NA	NA	N	75-69-4
		Vinyl Acetate	5.4	U	2.7	NA	NA	N	108-05-4
		Vinyl chloride	2.1	U	1.05	600	N	N	75-01-4
		Xylene (Total)	2.1	U	1.05	300000	N	N	1330-20-7
					124.2	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM2-SW-2	SOIL	1,1,1,2-Tetrachloroethane	2	U	1	100	N	N	630-20-6
		1,1,1-Trichloroethane	2	U	1	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2	U	1	5	N	N	79-34-5
		1,1,2-Trichloroethane	2	U	1	100	N	N	79-00-5
		1,1-Dichloroethane	2	U	1	400	N	N	75-34-3
		1,1-Dichloroethene	2	U	1	3000	N	N	75-35-4
		1,1-Dichloropropene	2	U	1	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2	U	1	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2	U	1	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2	U	1	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2	U	1	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2	U	1	NA	NA	N	96-12-8
		1,2-Dibromoethane	2	U	1	100	N	N	106-93-4
		1,2-Dichlorobenzene	2	U	1	9000	N	N	95-50-1
		1,2-Dichloroethane	2	U	1	100	N	N	107-06-2
		1,2-Dichloropropane	2	U	1	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2	U	1	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2	U	1	1000	N	N	541-73-1
		1,3-Dichloropropane	2	U	1	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2	U	1	700	N	N	106-46-7
		2,2-Dichloropropane	2	U	1	NA	NA	N	590-20-7
		2-Butanone (MEK)	2	U	1	4000	N	N	78-93-3
		2-Chlorotoluene	2	U	1	NA	NA	N	95-49-8
		2-Hexanone	9.9	U	4.95	NA	NA	N	591-78-6
		4-Chlorotoluene	2	U	1	NA	NA	N	106-43-4
		Acetone	9.9	23	23	6000	N	N	67-64-1
		Benzene	2	U	1	2000	N	N	71-43-2
		Bromobenzene	2	U	1	NA	NA	N	108-86-1
		Bromochloromethane	2	U	1	NA	NA	N	74-97-5
		Bromodichloromethane	2	U	1	100	N	N	75-27-4
		Bromoform	2	U	1	100	N	N	75-25-2
		Bromomethane	2	U	1	500	N	N	74-83-9
		Carbon disulfide	2	U	1	NA	NA	N	75-15-0
		Carbon tetrachloride	2	U	1	5000	N	N	56-23-5
		Chlorobenzene	2	U	1	1000	N	N	108-90-7
		Chloroethane	2	U	1	NA	NA	N	75-00-3
		Chloroform	2	U	1	300	N	N	67-66-3
		Chloromethane	2	U	1	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2	U	1	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2	U	1	10	N	N	10061-01-5
		Dibromochloromethane	2	U	1	5	N	N	124-48-1
		Dibromomethane	2	U	1	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2	U	1	NA	NA	N	75-71-8
		Ethylbenzene	2	U	1	40000	N	N	100-41-4
		Hexachlorobutadiene	2	U	1	6000	N	N	87-68-3
		Iodomethane	2	U	1	NA	NA	N	74-88-04
		Isopropylbenzene	2	U	1	NA	NA	N	98-82-8
		Methyl isobutyl ketone	9.9	U	4.95	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2	U	1	100	N	N	1634-04-4
		Methylene chloride	9.9	16	16	100	N	N	75-09-2
		Napthalene	2	U	1	4000	N	N	00091-20-3
		n-Butylbenzene	2	U	1	NA	NA	N	104-51-8
		n-Propylbenzene	2	U	1	NA	NA	N	103-65-1
		p-Isopropyltoluene	2	U	1	NA	NA	N	99-87-6
		sec-Butylbenzene	2	U	1	NA	NA	N	135-98-8
		Styrene	2	U	1	3000	N	N	100-42-5
		tert-Butylbenzene	2	U	1	NA	NA	N	98-06-6
		Tetrachloroethene	2	U	1	1000	N	N	127-18-4
		Toluene	2	U	1	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2	U	1	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2	U	1	10	N	N	10061-02-6
		Trichloroethene	2	U	1	300	N	N	79-01-6
		Trichlorofluoromethane	2	U	1	NA	NA	N	75-69-4
		Vinyl Acetate	4.9	U	2.45	NA	NA	N	108-05-4
		Vinyl chloride	2	U	1	600	N	N	75-01-4
		Xylene (Total)	2	U	1	300000	N	N	1330-20-7
					112.35	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM2-SW-3	SOIL	1,1,1,2-Tetrachloroethane	2.1	U	1.05	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.1	U	1.05	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.1	U	1.05	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.1	U	1.05	100	N	N	79-00-5
		1,1-Dichloroethane	2.1	U	1.05	400	N	N	75-34-3
		1,1-Dichloroethene	2.1	U	1.05	3000	N	N	75-35-4
		1,1-Dichloropropene	2.1	U	1.05	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.1	U	1.05	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.1	U	1.05	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.1	U	1.05	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.1	U	1.05	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.1	U	1.05	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.1	U	1.05	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.1	U	1.05	9000	N	N	95-50-1
		1,2-Dichloroethane	2.1	U	1.05	100	N	N	107-06-2
		1,2-Dichloropropane	2.1	U	1.05	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.1	U	1.05	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.1	U	1.05	1000	N	N	541-73-1
		1,3-Dichloropropane	2.1	U	1.05	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.1	U	1.05	700	N	N	106-46-7
		2,2-Dichloropropane	2.1	U	1.05	NA	NA	N	590-20-7
		2-Butanone (MEK)	8.6	U	4.3	4000	N	N	78-93-3
		2-Chlorotoluene	2.1	U	1.05	NA	NA	N	95-49-8
		2-Hexanone	11	U	5.5	NA	NA	N	591-78-6
		4-Chlorotoluene	2.1	U	1.05	NA	NA	N	106-43-4
		Acetone	11	30	30	6000	N	N	67-64-1
		Benzene	2.1	U	1.05	2000	N	N	71-43-2
		Bromobenzene	2.1	U	1.05	NA	NA	N	108-86-1
		Bromochloromethane	2.1	U	1.05	NA	NA	N	74-97-5
		Bromodichloromethane	2.1	U	1.05	100	N	N	75-27-4
		Bromoform	2.1	U	1.05	100	N	N	75-25-2
		Bromomethane	2.1	U	1.05	500	N	N	74-83-9
		Carbon disulfide	2.1	U	1.05	NA	NA	N	75-15-0
		Carbon tetrachloride	2.1	U	1.05	5000	N	N	56-23-5
		Chlorobenzene	2.1	U	1.05	1000	N	N	108-90-7
		Chloroethane	2.1	U	1.05	NA	NA	N	75-00-3
		Chloroform	2.1	U	1.05	300	N	N	67-66-3
		Chloromethane	2.1	U	1.05	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.1	U	1.05	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.1	U	1.05	10	N	N	10061-01-5
		Dibromochloromethane	2.1	U	1.05	5	N	N	124-48-1
		Dibromomethane	2.1	U	1.05	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.1	U	1.05	NA	NA	N	75-71-8
		Ethylbenzene	2.1	U	1.05	40000	N	N	100-41-4
		Hexachlorobutadiene	2.1	U	1.05	6000	N	N	87-68-3
		Iodomethane	2.1	U	1.05	NA	NA	N	74-88-04
		Isopropylbenzene	2.1	U	1.05	NA	NA	N	98-82-8
		Methyl isobutyl ketone	11	U	5.5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.1	U	1.05	100	N	N	1634-04-4
		Methylene chloride	11	17	17	100	N	N	75-09-2
		Napthalene	2.1	U	1.05	4000	N	N	00091-20-3
		n-Butylbenzene	2.1	U	1.05	NA	NA	N	104-51-8
		n-Propylbenzene	2.1	U	1.05	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.1	U	1.05	NA	NA	N	99-87-6
		sec-Butylbenzene	2.1	U	1.05	NA	NA	N	135-98-8
		Styrene	2.1	U	1.05	3000	N	N	100-42-5
		tert-Butylbenzene	2.1	U	1.05	NA	NA	N	98-06-6
		Tetrachloroethene	2.1	U	1.05	1000	N	N	127-18-4
		Toluene	2.1	U	1.05	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.1	U	1.05	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.1	U	1.05	10	N	N	10061-02-6
		Trichloroethene	2.1	U	1.05	300	N	N	79-01-6
		Trichlorofluoromethane	2.1	U	1.05	NA	NA	N	75-69-4
		Vinyl Acetate	5.3	U	2.65	NA	NA	N	108-05-4
		Vinyl chloride	2.1	U	1.05	600	N	N	75-01-4
		Xylene (Total)	2.1	U	1.05	300000	N	N	1330-20-7
					127.95	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM2-SW-4	SOIL	1,1,1,2-Tetrachloroethane	2.2	U	1.1	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.2	U	1.1	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.2	U	1.1	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.2	U	1.1	100	N	N	79-00-5
		1,1-Dichloroethane	2.2	U	1.1	400	N	N	75-34-3
		1,1-Dichloroethene	2.2	U	1.1	3000	N	N	75-35-4
		1,1-Dichloropropene	2.2	U	1.1	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.2	U	1.1	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.2	U	1.1	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.2	U	1.1	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.2	U	1.1	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.2	U	1.1	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.2	U	1.1	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.2	U	1.1	9000	N	N	95-50-1
		1,2-Dichloroethane	2.2	U	1.1	100	N	N	107-06-2
		1,2-Dichloropropane	2.2	U	1.1	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.2	U	1.1	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.2	U	1.1	1000	N	N	541-73-1
		1,3-Dichloropropane	2.2	U	1.1	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.2	U	1.1	700	N	N	106-46-7
		2,2-Dichloropropane	2.2	U	1.1	NA	NA	N	590-20-7
		2-Butanone (MEK)	2.2	U	1.1	4000	N	N	78-93-3
		2-Chlorotoluene	2.2	U	1.1	NA	NA	N	95-49-8
		2-Hexanone	11	U	5.5	NA	NA	N	591-78-6
		4-Chlorotoluene	2.2	U	1.1	NA	NA	N	106-43-4
		Acetone	11	29	29	6000	N	N	67-64-1
		Benzene	2.2	U	1.1	2000	N	N	71-43-2
		Bromobenzene	2.2	U	1.1	NA	NA	N	108-86-1
		Bromochloromethane	2.2	U	1.1	NA	NA	N	74-97-5
		Bromodichloromethane	2.2	U	1.1	100	N	N	75-27-4
		Bromoform	2.2	U	1.1	100	N	N	75-25-2
		Bromomethane	2.2	U	1.1	500	N	N	74-83-9
		Carbon disulfide	2.2	U	1.1	NA	NA	N	75-15-0
		Carbon tetrachloride	2.2	U	1.1	5000	N	N	56-23-5
		Chlorobenzene	2.2	U	1.1	1000	N	N	108-90-7
		Chloroethane	2.2	U	1.1	NA	NA	N	75-00-3
		Chloroform	2.2	U	1.1	300	N	N	67-66-3
		Chloromethane	2.2	U	1.1	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.2	U	1.1	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.2	U	1.1	10	N	N	10061-01-5
		Dibromochloromethane	2.2	U	1.1	5	N	N	124-48-1
		Dibromomethane	2.2	U	1.1	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.2	U	1.1	NA	NA	N	75-71-8
		Ethylbenzene	2.2	U	1.1	40000	N	N	100-41-4
		Hexachlorobutadiene	2.2	U	1.1	6000	N	N	87-68-3
		Iodomethane	2.2	U	1.1	NA	NA	N	74-88-04
		Isopropylbenzene	2.2	U	1.1	NA	NA	N	98-82-8
		Methyl isobutyl ketone	11	U	5.5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.2	U	1.1	100	N	N	1634-04-4
		Methylene chloride	11	16	16	100	N	N	75-09-2
		Napthalene	2.2	U	1.1	4000	N	N	00091-20-3
		n-Butylbenzene	2.2	U	1.1	NA	NA	N	104-51-8
		n-Propylbenzene	2.2	U	1.1	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.2	U	1.1	NA	NA	N	99-87-6
		sec-Butylbenzene	2.2	U	1.1	NA	NA	N	135-98-8
		Styrene	2.2	U	1.1	3000	N	N	100-42-5
		tert-Butylbenzene	2.2	U	1.1	NA	NA	N	98-06-6
		Tetrachloroethene	2.2	U	1.1	1000	N	N	127-18-4
		Toluene	2.2	U	1.1	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.2	U	1.1	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.2	U	1.1	10	N	N	10061-02-6
		Trichloroethene	2.2	U	1.1	300	N	N	79-01-6
		Trichlorofluoromethane	2.2	U	1.1	NA	NA	N	75-69-4
		Vinyl Acetate	5.6	U	2.8	NA	NA	N	108-05-4
		Vinyl chloride	2.2	U	1.1	600	N	N	75-01-4
		Xylene (Total)	2.2	U	1.1	300000	N	N	1330-20-7
					125.9	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM2-SW-4D	SOIL	1,1,1,2-Tetrachloroethane	2.4	U	1.2	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.4	U	1.2	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.4	U	1.2	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.4	U	1.2	100	N	N	79-00-5
		1,1-Dichloroethane	2.4	U	1.2	400	N	N	75-34-3
		1,1-Dichloroethene	2.4	U	1.2	3000	N	N	75-35-4
		1,1-Dichloropropene	2.4	U	1.2	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.4	U	1.2	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.4	U	1.2	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.4	U	1.2	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.4	U	1.2	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.4	U	1.2	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.4	U	1.2	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.4	U	1.2	9000	N	N	95-50-1
		1,2-Dichloroethane	2.4	U	1.2	100	N	N	107-06-2
		1,2-Dichloropropane	2.4	U	1.2	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.4	U	1.2	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.4	U	1.2	1000	N	N	541-73-1
		1,3-Dichloropropane	2.4	U	1.2	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.4	U	1.2	700	N	N	106-46-7
		2,2-Dichloropropane	2.4	U	1.2	NA	NA	N	590-20-7
		2-Butanone (MEK)	2.4	U	1.2	4000	N	N	78-93-3
		2-Chlorotoluene	2.4	U	1.2	NA	NA	N	95-49-8
		2-Hexanone	12	U	6	NA	NA	N	591-78-6
		4-Chlorotoluene	2.4	U	1.2	NA	NA	N	106-43-4
		Acetone	12	18	18	6000	N	N	67-64-1
		Benzene	2.4	U	1.2	2000	N	N	71-43-2
		Bromobenzene	2.4	U	1.2	NA	NA	N	108-86-1
		Bromochloromethane	2.4	U	1.2	NA	NA	N	74-97-5
		Bromodichloromethane	2.4	U	1.2	100	N	N	75-27-4
		Bromoform	2.4	U	1.2	100	N	N	75-25-2
		Bromomethane	2.4	U	1.2	500	N	N	74-83-9
		Carbon disulfide	2.4	U	1.2	NA	NA	N	75-15-0
		Carbon tetrachloride	2.4	U	1.2	5000	N	N	56-23-5
		Chlorobenzene	2.4	U	1.2	1000	N	N	108-90-7
		Chloroethane	2.4	U	1.2	NA	NA	N	75-00-3
		Chloroform	2.4	U	1.2	300	N	N	67-66-3
		Chloromethane	2.4	U	1.2	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.4	U	1.2	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.4	U	1.2	10	N	N	10061-01-5
		Dibromochloromethane	2.4	U	1.2	5	N	N	124-48-1
		Dibromomethane	2.4	U	1.2	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.4	U	1.2	NA	NA	N	75-71-8
		Ethylbenzene	2.4	U	1.2	40000	N	N	100-41-4
		Hexachlorobutadiene	2.4	U	1.2	6000	N	N	87-68-3
		Iodomethane	2.4	U	1.2	NA	NA	N	74-88-04
		Isopropylbenzene	2.4	U	1.2	NA	NA	N	98-82-8
		Methyl isobutyl ketone	12	U	6	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.4	U	1.2	100	N	N	1634-04-4
		Methylene chloride	11	U	5.5	100	N	N	75-09-2
		Napthalene	2.4	U	1.2	4000	N	N	00091-20-3
		n-Butylbenzene	2.4	U	1.2	NA	NA	N	104-51-8
		n-Propylbenzene	2.4	U	1.2	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.4	U	1.2	NA	NA	N	99-87-6
		sec-Butylbenzene	2.4	U	1.2	NA	NA	N	135-98-8
		Styrene	2.4	U	1.2	3000	N	N	100-42-5
		tert-Butylbenzene	2.4	U	1.2	NA	NA	N	98-06-6
		Tetrachloroethene	2.4	U	1.2	1000	N	N	127-18-4
		Toluene	2.4	U	1.2	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.4	U	1.2	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.4	U	1.2	10	N	N	10061-02-6
		Trichloroethene	2.4	U	1.2	300	N	N	79-01-6
		Trichlorofluoromethane	2.4	U	1.2	NA	NA	N	75-69-4
		Vinyl Acetate	5.9	U	2.95	NA	NA	N	108-05-4
		Vinyl chloride	2.4	U	1.2	600	N	N	75-01-4
		Xylene (Total)	2.4	U	1.2	300000	N	N	1330-20-7
					111.65	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	QUAL Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM2-B-5	SOIL	1,1,1,2-Tetrachloroethane	2	U	1	100	N	N	630-20-6
		1,1,1-Trichloroethane	2	U	1	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2	U	1	5	N	N	79-34-5
		1,1,2-Trichloroethane	2	U	1	100	N	N	79-00-5
		1,1-Dichloroethane	2	U	1	400	N	N	75-34-3
		1,1-Dichloroethene	2	U	1	3000	N	N	75-35-4
		1,1-Dichloropropene	2	U	1	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2	U	1	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2	U	1	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2	U	1	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2	U	1	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2	U	1	NA	NA	N	96-12-8
		1,2-Dibromoethane	2	U	1	100	N	N	106-93-4
		1,2-Dichlorobenzene	2	U	1	9000	N	N	95-50-1
		1,2-Dichloroethane	2	U	1	100	N	N	107-06-2
		1,2-Dichloropropane	2	U	1	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2	U	1	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2	U	1	1000	N	N	541-73-1
		1,3-Dichloropropane	2	U	1	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2	U	1	700	N	N	106-46-7
		2,2-Dichloropropane	2	U	1	NA	NA	N	590-20-7
		2-Butanone (MEK)	2	U	1	4000	N	N	78-93-3
		2-Chlorotoluene	2	U	1	NA	NA	N	95-49-8
		2-Hexanone	10	U	5	400	N	N	591-78-6
		4-Chlorotoluene	2	U	1	NA	NA	N	106-43-4
		Acetone	10	15	15	6000	N	N	67-64-1
		Benzene	2	U	1	2000	N	N	71-43-2
		Bromobenzene	2	U	1	NA	NA	N	108-86-1
		Bromochloromethane	2	U	1	NA	NA	N	74-97-5
		Bromodichloromethane	2	U	1	100	N	N	75-27-4
		Bromoform	2	U	1	100	N	N	75-25-2
		Bromomethane	2	U	1	500	N	N	74-83-9
		Carbon disulfide	2	U	1	NA	NA	N	75-15-0
		Carbon tetrachloride	2	U	1	5000	N	N	56-23-5
		Chlorobenzene	2	U	1	1000	N	N	108-90-7
		Chloroethane	2	U	1	NA	NA	N	75-00-3
		Chloroform	2	U	1	300	N	N	67-66-3
		Chloromethane	2	U	1	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2	U	1	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2	U	1	10	N	N	10061-01-5
		Dibromochloromethane	2	U	1	5	N	N	124-48-1
		Dibromomethane	2	U	1	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2	U	1	NA	NA	N	75-71-8
		Ethylbenzene	2	U	1	40000	N	N	100-41-4
		Hexachlorobutadiene	2	U	1	6000	N	N	87-68-3
		Iodomethane	2	U	1	NA	NA	N	74-88-04
		Isopropylbenzene	2	U	1	NA	NA	N	98-82-8
		Methyl isobutyl ketone	10	U	5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2	U	1	100	N	N	1634-04-4
		Methylene chloride	10	U	5	100	N	N	75-09-2
		Napthalene	2	U	1	4000	N	N	00091-20-3
		n-Butylbenzene	2	U	1	NA	NA	N	104-51-8
		n-Propylbenzene	2	U	1	NA	NA	N	103-65-1
		p-Isopropyltoluene	2	U	1	NA	NA	N	99-87-6
		sec-Butylbenzene	2	U	1	NA	NA	N	135-98-8
		Styrene	2	U	1	3000	N	N	100-42-5
		tert-Butylbenzene	2	U	1	NA	NA	N	98-06-6
		Tetrachloroethene	2	U	1	1000	N	N	127-18-4
		Toluene	2	U	1	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2	U	1	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2	U	1	10	N	N	10061-02-6
		Trichloroethene	2	U	1	300	N	N	79-01-6
		Trichlorofluoromethane	2	U	1	NA	NA	N	75-69-4
		Vinyl Acetate	5.1	U	2.55	NA	NA	N	108-05-4
		Vinyl chloride	2	U	1	600	N	N	75-01-4
		Xylene (Total)	2	U	1	300000	N	N	1330-20-7
					93.55	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM3-SW-1	SOIL	1,1,1,2-Tetrachloroethane	1.8	U	0.9	100	N	N	630-20-6
		1,1,1-Trichloroethane	1.8	U	0.9	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	1.8	U	0.9	5	N	N	79-34-5
		1,1,2-Trichloroethane	1.8	U	0.9	100	N	N	79-00-5
		1,1-Dichloroethane	1.8	U	0.9	400	N	N	75-34-3
		1,1-Dichloroethene	1.8	U	0.9	3000	N	N	75-35-4
		1,1-Dichloropropene	1.8	U	0.9	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	1.8	U	0.9	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	1.8	U	0.9	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	1.8	U	0.9	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	1.8	U	0.9	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	1.8	U	0.9	NA	NA	N	96-12-8
		1,2-Dibromoethane	1.8	U	0.9	100	N	N	106-93-4
		1,2-Dichlorobenzene	1.8	U	0.9	9000	N	N	95-50-1
		1,2-Dichloroethane	1.8	U	0.9	100	N	N	107-06-2
		1,2-Dichloropropane	1.8	U	0.9	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	1.8	U	0.9	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	1.8	U	0.9	1000	N	N	541-73-1
		1,3-Dichloropropane	1.8	U	0.9	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	1.8	U	0.9	700	N	N	106-46-7
		2,2-Dichloropropane	1.8	U	0.9	NA	NA	N	590-20-7
		2-Butanone (MEK)	12	U	6	4000	N	N	78-93-3
		2-Chlorotoluene	1.8	U	0.9	NA	NA	N	95-49-8
		2-Hexanone	12	U	6	NA	NA	N	591-78-6
		4-Chlorotoluene	1.8	U	0.9	NA	NA	N	106-43-4
		Acetone	9.1	17	17	6000	N	N	67-64-1
		Benzene	1.8	U	0.9	2000	N	N	71-43-2
		Bromobenzene	1.8	U	0.9	NA	NA	N	108-86-1
		Bromochloromethane	1.8	U	0.9	NA	NA	N	74-97-5
		Bromodichloromethane	1.8	U	0.9	100	N	N	75-27-4
		Bromoform	1.8	U	0.9	100	N	N	75-25-2
		Bromomethane	1.8	U	0.9	500	N	N	74-83-9
		Carbon disulfide	1.8	U	0.9	NA	NA	N	75-15-0
		Carbon tetrachloride	1.8	U	0.9	5000	N	N	56-23-5
		Chlorobenzene	1.8	U	0.9	1000	N	N	108-90-7
		Chloroethane	1.8	U	0.9	NA	NA	N	75-00-3
		Chloroform	1.8	U	0.9	300	N	N	67-66-3
		Chloromethane	1.8	U	0.9	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	1.8	U	0.9	300	N	N	156-59-2
		cis-1,3-Dichloropropene	1.8	U	0.9	10	N	N	10061-01-5
		Dibromochloromethane	1.8	U	0.9	5	N	N	124-48-1
		Dibromomethane	1.8	U	0.9	NA	NA	N	74-95-3
		Dichlorodifluoromethane	1.8	U	0.9	NA	NA	N	75-71-8
		Ethylbenzene	1.8	U	0.9	40000	N	N	100-41-4
		Hexachlorobutadiene	1.8	U	0.9	6000	N	N	87-68-3
		Iodomethane	1.8	U	0.9	NA	NA	N	74-88-04
		Isopropylbenzene	1.8	U	0.9	NA	NA	N	98-82-8
		Methyl isobutyl ketone	9.1	U	4.55	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	1.8	U	0.9	100	N	N	1634-04-4
		Methylene chloride	9.1	U	4.55	100	N	N	75-09-2
		Napthalene	1.8	U	0.9	4000	N	N	00091-20-3
		n-Butylbenzene	1.8	U	0.9	NA	NA	N	104-51-8
		n-Propylbenzene	1.8	U	0.9	NA	NA	N	103-65-1
		p-Isopropyltoluene	1.8	U	0.9	NA	NA	N	99-87-6
		sec-Butylbenzene	1.8	U	0.9	NA	NA	N	135-98-8
		Styrene	1.8	U	0.9	3000	N	N	100-42-5
		tert-Butylbenzene	1.8	U	0.9	NA	NA	N	98-06-6
		Tetrachloroethene	1.8	U	0.9	1000	N	N	127-18-4
		Toluene	1.8	U	0.9	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	1.8	U	0.9	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	1.8	U	0.9	10	N	N	10061-02-6
		Trichloroethene	1.8	U	0.9	300	N	N	79-01-6
		Trichlorofluoromethane	1.8	U	0.9	NA	NA	N	75-69-4
		Vinyl Acetate	4.6	U	2.3	NA	NA	N	108-05-4
		Vinyl chloride	1.8	U	0.9	600	N	N	75-01-4
		Xylene (Total)	1.8	U	0.9	300000	N	N	1330-20-7
					94.4	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM3-SW-2	SOIL	1,1,1,2-Tetrachloroethane	2	U	1	100	N	N	630-20-6
		1,1,1-Trichloroethane	2	U	1	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2	U	1	5	N	N	79-34-5
		1,1,2-Trichloroethane	2	U	1	100	N	N	79-00-5
		1,1-Dichloroethane	2	U	1	400	N	N	75-34-3
		1,1-Dichloroethene	2	U	1	3000	N	N	75-35-4
		1,1-Dichloropropene	2	U	1	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2	U	1	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2	U	1	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2	U	1	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2	U	1	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2	U	1	NA	NA	N	96-12-8
		1,2-Dibromoethane	2	U	1	100	N	N	106-93-4
		1,2-Dichlorobenzene	2	U	1	9000	N	N	95-50-1
		1,2-Dichloroethane	2	U	1	100	N	N	107-06-2
		1,2-Dichloropropane	2	U	1	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2	U	1	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2	U	1	1000	N	N	541-73-1
		1,3-Dichloropropane	2	U	1	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2	U	1	700	N	N	106-46-7
		2,2-Dichloropropane	2	U	1	NA	NA	N	590-20-7
		2-Butanone (MEK)	2	U	1	4000	N	N	78-93-3
		2-Chlorotoluene	2	U	1	NA	NA	N	95-49-8
		2-Hexanone	10	U	5	NA	NA	N	591-78-6
		4-Chlorotoluene	2	U	1	NA	NA	N	106-43-4
		Acetone	10	52	52	6000	N	N	67-64-1
		Benzene	2	U	1	2000	N	N	71-43-2
		Bromobenzene	2	U	1	NA	NA	N	108-86-1
		Bromochloromethane	2	U	1	NA	NA	N	74-97-5
		Bromodichloromethane	2	U	1	100	N	N	75-27-4
		Bromoform	2	U	1	100	N	N	75-25-2
		Bromomethane	2	U	1	500	N	N	74-83-9
		Carbon disulfide	2	U	1	NA	NA	N	75-15-0
		Carbon tetrachloride	2	U	1	5000	N	N	56-23-5
		Chlorobenzene	2	U	1	1000	N	N	108-90-7
		Chloroethane	2	U	1	NA	NA	N	75-00-3
		Chloroform	2	U	1	300	N	N	67-66-3
		Chloromethane	2	U	1	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2	U	1	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2	U	1	10	N	N	10061-01-5
		Dibromochloromethane	2	U	1	5	N	N	124-48-1
		Dibromomethane	2	U	1	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2	U	1	NA	NA	N	75-71-8
		Ethylbenzene	2	U	1	40000	N	N	100-41-4
		Hexachlorobutadiene	2	U	1	6000	N	N	87-68-3
		Iodomethane	2	U	1	NA	NA	N	74-88-04
		Isopropylbenzene	2	U	1	NA	NA	N	98-82-8
		Methyl isobutyl ketone	10	U	5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2	U	1	100	N	N	1634-04-4
		Methylene chloride	10	20	20	100	N	N	75-09-2
		Napthalene	2	U	1	4000	N	N	00091-20-3
		n-Butylbenzene	2	U	1	NA	NA	N	104-51-8
		n-Propylbenzene	2	U	1	NA	NA	N	103-65-1
		p-Isopropyltoluene	2	U	1	NA	NA	N	99-87-6
		sec-Butylbenzene	2	U	1	NA	NA	N	135-98-8
		Styrene	2	U	1	3000	N	N	100-42-5
		tert-Butylbenzene	2	U	1	NA	NA	N	98-06-6
		Tetrachloroethene	2	U	1	1000	N	N	127-18-4
		Toluene	2	U	1	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2	U	1	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2	U	1	10	N	N	10061-02-6
		Trichloroethene	2	U	1	300	N	N	79-01-6
		Trichlorofluoromethane	2	U	1	NA	NA	N	75-69-4
		Vinyl Acetate	5.1	U	2.55	NA	NA	N	108-05-4
		Vinyl chloride	2	U	1	600	N	N	75-01-4
		Xylene (Total)	2	U	1	300000	N	N	1330-20-7
					145.55	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM3-SW-3	SOIL	1,1,1,2-Tetrachloroethane	2.2	U	1.1	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.2	U	1.1	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.2	U	1.1	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.2	U	1.1	100	N	N	79-00-5
		1,1-Dichloroethane	2.2	U	1.1	400	N	N	75-34-3
		1,1-Dichloroethene	2.2	U	1.1	3000	N	N	75-35-4
		1,1-Dichloropropene	2.2	U	1.1	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.2	U	1.1	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.2	U	1.1	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.2	U	1.1	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.2	U	1.1	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.2	U	1.1	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.2	U	1.1	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.2	U	1.1	9000	N	N	95-50-1
		1,2-Dichloroethane	2.2	U	1.1	100	N	N	107-06-2
		1,2-Dichloropropane	2.2	U	1.1	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.2	U	1.1	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.2	U	1.1	1000	N	N	541-73-1
		1,3-Dichloropropane	2.2	U	1.1	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.2	U	1.1	700	N	N	106-46-7
		2,2-Dichloropropane	2.2	U	1.1	NA	NA	N	590-20-7
		2-Butanone (MEK)	8.6	U	4.3	4000	N	N	78-93-3
		2-Chlorotoluene	2.2	U	1.1	NA	NA	N	95-49-8
		2-Hexanone	11	U	5.5	NA	NA	N	591-78-6
		4-Chlorotoluene	2.2	U	1.1	NA	NA	N	106-43-4
		Acetone	11	30	30	6000	N	N	67-64-1
		Benzene	2.2	U	1.1	2000	N	N	71-43-2
		Bromobenzene	2.2	U	1.1	NA	NA	N	108-86-1
		Bromochloromethane	2.2	U	1.1	NA	NA	N	74-97-5
		Bromodichloromethane	2.2	U	1.1	100	N	N	75-27-4
		Bromoform	2.2	U	1.1	100	N	N	75-25-2
		Bromomethane	2.2	U	1.1	500	N	N	74-83-9
		Carbon disulfide	2.2	U	1.1	NA	NA	N	75-15-0
		Carbon tetrachloride	2.2	U	1.1	5000	N	N	56-23-5
		Chlorobenzene	2.2	U	1.1	1000	N	N	108-90-7
		Chloroethane	2.2	U	1.1	NA	NA	N	75-00-3
		Chloroform	2.2	U	1.1	300	N	N	67-66-3
		Chloromethane	2.2	U	1.1	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.2	U	1.1	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.2	U	1.1	10	N	N	10061-01-5
		Dibromochloromethane	2.2	U	1.1	5	N	N	124-48-1
		Dibromomethane	2.2	U	1.1	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.2	U	1.1	NA	NA	N	75-71-8
		Ethylbenzene	2.2	U	1.1	40000	N	N	100-41-4
		Hexachlorobutadiene	2.2	U	1.1	6000	N	N	87-68-3
		Iodomethane	2.2	U	1.1	NA	NA	N	74-88-04
		Isopropylbenzene	2.2	U	1.1	NA	NA	N	98-82-8
		Methyl isobutyl ketone	11	U	5.5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.2	U	1.1	100	N	N	1634-04-4
		Methylene chloride	11	14	14	100	N	N	75-09-2
		Napthalene	2.2	U	1.1	4000	N	N	00091-20-3
		n-Butylbenzene	2.2	U	1.1	NA	NA	N	104-51-8
		n-Propylbenzene	2.2	U	1.1	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.2	U	1.1	NA	NA	N	99-87-6
		sec-Butylbenzene	2.2	U	1.1	NA	NA	N	135-98-8
		Styrene	2.2	U	1.1	3000	N	N	100-42-5
		tert-Butylbenzene	2.2	U	1.1	NA	NA	N	98-06-6
		Tetrachloroethene	2.2	U	1.1	1000	N	N	127-18-4
		Toluene	2.2	U	1.1	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.2	U	1.1	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.2	U	1.1	10	N	N	10061-02-6
		Trichloroethene	2.2	U	1.1	300	N	N	79-01-6
		Trichlorofluoromethane	2.2	U	1.1	NA	NA	N	75-69-4
		Vinyl Acetate	5.6	U	2.8	NA	NA	N	108-05-4
		Vinyl chloride	2.2	U	1.1	600	N	N	75-01-4
		Xylene (Total)	2.2	U	1.1	300000	N	N	1330-20-7
					128.1	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM3-SW-4	SOIL	1,1,1,2-Tetrachloroethane	2.2	U	1.1	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.2	U	1.1	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.2	U	1.1	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.2	U	1.1	100	N	N	79-00-5
		1,1-Dichloroethane	2.2	U	1.1	400	N	N	75-34-3
		1,1-Dichloroethene	2.2	U	1.1	3000	N	N	75-35-4
		1,1-Dichloropropene	2.2	U	1.1	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.2	U	1.1	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.2	U	1.1	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.2	U	1.1	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.2	U	1.1	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.2	U	1.1	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.2	U	1.1	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.2	U	1.1	9000	N	N	95-50-1
		1,2-Dichloroethane	2.2	U	1.1	100	N	N	107-06-2
		1,2-Dichloropropane	2.2	U	1.1	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.2	U	1.1	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.2	U	1.1	1000	N	N	541-73-1
		1,3-Dichloropropane	2.2	U	1.1	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.2	U	1.1	700	N	N	106-46-7
		2,2-Dichloropropane	2.2	U	1.1	NA	NA	N	590-20-7
		2-Butanone (MEK)	2.2	U	1.1	4000	N	N	78-93-3
		2-Chlorotoluene	2.2	U	1.1	NA	NA	N	95-49-8
		2-Hexanone	10	U	5	NA	NA	N	591-78-6
		4-Chlorotoluene	2.2	U	1.1	NA	NA	N	106-43-4
		Acetone	11	25	25	6000	N	N	67-64-1
		Benzene	2.2	U	1.1	2000	N	N	71-43-2
		Bromobenzene	2.2	U	1.1	NA	NA	N	108-86-1
		Bromochloromethane	2.2	U	1.1	NA	NA	N	74-97-5
		Bromodichloromethane	2.2	U	1.1	100	N	N	75-27-4
		Bromoform	2.2	U	1.1	100	N	N	75-25-2
		Bromomethane	2.2	U	1.1	500	N	N	74-83-9
		Carbon disulfide	2.2	U	1.1	NA	NA	N	75-15-0
		Carbon tetrachloride	2.2	U	1.1	5000	N	N	56-23-5
		Chlorobenzene	2.2	U	1.1	1000	N	N	108-90-7
		Chloroethane	2.2	U	1.1	NA	NA	N	75-00-3
		Chloroform	2.2	U	1.1	300	N	N	67-66-3
		Chloromethane	2.2	U	1.1	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.2	U	1.1	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.2	U	1.1	10	N	N	10061-01-5
		Dibromochloromethane	2.2	U	1.1	5	N	N	124-48-1
		Dibromomethane	2.2	U	1.1	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.2	U	1.1	NA	NA	N	75-71-8
		Ethylbenzene	2.2	U	1.1	40000	N	N	100-41-4
		Hexachlorobutadiene	2.2	U	1.1	6000	N	N	87-68-3
		Iodomethane	2.2	U	1.1	NA	NA	N	74-88-04
		Isopropylbenzene	2.2	U	1.1	NA	NA	N	98-82-8
		Methyl isobutyl ketone	11	U	5.5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.2	U	1.1	100	N	N	1634-04-4
		Methylene chloride	11	14	14	100	N	N	75-09-2
		Napthalene	2.2	U	1.1	4000	N	N	00091-20-3
		n-Butylbenzene	2.2	U	1.1	NA	NA	N	104-51-8
		n-Propylbenzene	2.2	U	1.1	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.2	U	1.1	NA	NA	N	99-87-6
		sec-Butylbenzene	2.2	U	1.1	NA	NA	N	135-98-8
		Styrene	2.2	U	1.1	3000	N	N	100-42-5
		tert-Butylbenzene	2.2	U	1.1	NA	NA	N	98-06-6
		Tetrachloroethene	2.2	U	1.1	1000	N	N	127-18-4
		Toluene	2.2	U	1.1	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.2	U	1.1	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.2	U	1.1	10	N	N	10061-02-6
		Trichloroethene	2.2	U	1.1	300	N	N	79-01-6
		Trichlorofluoromethane	2.2	U	1.1	NA	NA	N	75-69-4
		Vinyl Acetate	5.5	U	2.75	NA	NA	N	108-05-4
		Vinyl chloride	2.2	U	1.1	600	N	N	75-01-4
		Xylene (Total)	2.2	U	1.1	300000	N	N	1330-20-7
					119.35	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	QUAL Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM3-B-5	SOIL	1,1,1,2-Tetrachloroethane	2.1	U	1.05	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.1	U	1.05	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.1	U	1.05	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.1	U	1.05	100	N	N	79-00-5
		1,1-Dichloroethane	2.1	U	1.05	400	N	N	75-34-3
		1,1-Dichloroethene	2.1	U	1.05	3000	N	N	75-35-4
		1,1-Dichloropropene	2.1	U	1.05	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.1	U	1.05	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.1	U	1.05	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.1	U	1.05	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.1	U	1.05	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.1	U	1.05	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.1	U	1.05	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.1	U	1.05	9000	N	N	95-50-1
		1,2-Dichloroethane	2.1	U	1.05	100	N	N	107-06-2
		1,2-Dichloropropane	2.1	U	1.05	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.1	U	1.05	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.1	U	1.05	1000	N	N	541-73-1
		1,3-Dichloropropane	2.1	U	1.05	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.1	U	1.05	700	N	N	106-46-7
		2,2-Dichloropropane	2.1	U	1.05	NA	NA	N	590-20-7
		2-Butanone (MEK)	2.1	U	1.05	4000	N	N	78-93-3
		2-Chlorotoluene	2.1	U	1.05	NA	NA	N	95-49-8
		2-Hexanone	11	U	5.5	400	N	N	591-78-6
		4-Chlorotoluene	2.1	U	1.05	NA	NA	N	106-43-4
		Acetone	11	30	30	6000	N	N	67-64-1
		Benzene	2.1	U	1.05	2000	N	N	71-43-2
		Bromobenzene	2.1	U	1.05	NA	NA	N	108-86-1
		Bromochloromethane	2.1	U	1.05	NA	NA	N	74-97-5
		Bromodichloromethane	2.1	U	1.05	100	N	N	75-27-4
		Bromoform	2.1	U	1.05	100	N	N	75-25-2
		Bromomethane	2.1	U	1.05	500	N	N	74-83-9
		Carbon disulfide	2.1	U	1.05	NA	NA	N	75-15-0
		Carbon tetrachloride	2.1	U	1.05	5000	N	N	56-23-5
		Chlorobenzene	2.1	U	1.05	1000	N	N	108-90-7
		Chloroethane	2.1	U	1.05	NA	NA	N	75-00-3
		Chloroform	2.1	U	1.05	300	N	N	67-66-3
		Chloromethane	2.1	U	1.05	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.1	U	1.05	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.1	U	1.05	10	N	N	10061-01-5
		Dibromochloromethane	2.1	U	1.05	5	N	N	124-48-1
		Dibromomethane	2.1	U	1.05	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.1	U	1.05	NA	NA	N	75-71-8
		Ethylbenzene	2.1	U	1.05	40000	N	N	100-41-4
		Hexachlorobutadiene	2.1	U	1.05	6000	N	N	87-68-3
		Iodomethane	2.1	U	1.05	NA	NA	N	74-88-04
		Isopropylbenzene	2.1	U	1.05	NA	NA	N	98-82-8
		Methyl isobutyl ketone	11	U	5.5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.1	U	1.05	100	N	N	1634-04-4
		Methylene chloride	11	13	13	100	N	N	75-09-2
		Napthalene	2.1	U	1.05	4000	N	N	00091-20-3
		n-Butylbenzene	2.1	U	1.05	NA	NA	N	104-51-8
		n-Propylbenzene	2.1	U	1.05	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.1	U	1.05	NA	NA	N	99-87-6
		sec-Butylbenzene	2.1	U	1.05	NA	NA	N	135-98-8
		Styrene	2.1	U	1.05	3000	N	N	100-42-5
		tert-Butylbenzene	2.1	U	1.05	NA	NA	N	98-06-6
		Tetrachloroethene	2.1	U	1.05	1000	N	N	127-18-4
		Toluene	2.1	U	1.05	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.1	U	1.05	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.1	U	1.05	10	N	N	10061-02-6
		Trichloroethene	2.1	U	1.05	300	N	N	79-01-6
		Trichlorofluoromethane	2.1	U	1.05	NA	NA	N	75-69-4
		Vinyl Acetate	5.3	U	2.65	NA	NA	N	108-05-4
		Vinyl chloride	2.1	U	1.05	600	N	N	75-01-4
		Xylene (Total)	2.1	U	1.05	300000	N	N	1330-20-7
					120.7	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM4-SW-1	SOIL	1,1,1,2-Tetrachloroethane	2.1	U	1.05	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.1	U	1.05	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.1	U	1.05	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.1	U	1.05	100	N	N	79-00-5
		1,1-Dichloroethane	2.1	U	1.05	400	N	N	75-34-3
		1,1-Dichloroethene	2.1	U	1.05	3000	N	N	75-35-4
		1,1-Dichloropropene	2.1	U	1.05	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.1	U	1.05	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.1	U	1.05	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.1	U	1.05	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.1	U	1.05	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.1	U	1.05	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.1	U	1.05	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.1	U	1.05	9000	N	N	95-50-1
		1,2-Dichloroethane	2.1	U	1.05	100	N	N	107-06-2
		1,2-Dichloropropane	2.1	U	1.05	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.1	U	1.05	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.1	U	1.05	1000	N	N	541-73-1
		1,3-Dichloropropane	2.1	U	1.05	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.1	U	1.05	700	N	N	106-46-7
		2,2-Dichloropropane	2.1	U	1.05	NA	NA	N	590-20-7
		2-Butanone (MEK)	12	U	6	4000	N	N	78-93-3
		2-Chlorotoluene	2.1	U	1.05	NA	NA	N	95-49-8
		2-Hexanone	12	U	6	NA	NA	N	591-78-6
		4-Chlorotoluene	2.1	U	1.05	NA	NA	N	106-43-4
		Acetone	11	46	46	6000	N	N	67-64-1
		Benzene	2.1	U	1.05	2000	N	N	71-43-2
		Bromobenzene	2.1	U	1.05	NA	NA	N	108-86-1
		Bromochloromethane	2.1	U	1.05	NA	NA	N	74-97-5
		Bromodichloromethane	2.1	U	1.05	100	N	N	75-27-4
		Bromoform	2.1	U	1.05	100	N	N	75-25-2
		Bromomethane	2.1	U	1.05	500	N	N	74-83-9
		Carbon disulfide	2.1	U	1.05	NA	NA	N	75-15-0
		Carbon tetrachloride	2.1	U	1.05	5000	N	N	56-23-5
		Chlorobenzene	2.1	U	1.05	1000	N	N	108-90-7
		Chloroethane	2.1	U	1.05	NA	NA	N	75-00-3
		Chloroform	2.1	U	1.05	300	N	N	67-66-3
		Chloromethane	2.1	U	1.05	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.1	U	1.05	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.1	U	1.05	10	N	N	10061-01-5
		Dibromochloromethane	2.1	U	1.05	5	N	N	124-48-1
		Dibromomethane	2.1	U	1.05	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.1	U	1.05	NA	NA	N	75-71-8
		Ethylbenzene	2.1	U	1.05	40000	N	N	100-41-4
		Hexachlorobutadiene	2.1	U	1.05	6000	N	N	87-68-3
		Iodomethane	2.1	U	1.05	NA	NA	N	74-88-04
		Isopropylbenzene	2.1	U	1.05	NA	NA	N	98-82-8
		Methyl isobutyl ketone	11	U	5.5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.1	U	1.05	100	N	N	1634-04-4
		Methylene chloride	11	15	15	100	N	N	75-09-2
		Napthalene	2.1	U	1.05	4000	N	N	00091-20-3
		n-Butylbenzene	2.1	U	1.05	NA	NA	N	104-51-8
		n-Propylbenzene	2.1	U	1.05	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.1	U	1.05	NA	NA	N	99-87-6
		sec-Butylbenzene	2.1	U	1.05	NA	NA	N	135-98-8
		Styrene	2.1	U	1.05	3000	N	N	100-42-5
		tert-Butylbenzene	2.1	U	1.05	NA	NA	N	98-06-6
		Tetrachloroethene	2.1	U	1.05	1000	N	N	127-18-4
		Toluene	2.1	U	1.05	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.1	U	1.05	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.1	U	1.05	10	N	N	10061-02-6
		Trichloroethene	2.1	U	1.05	300	N	N	79-01-6
		Trichlorofluoromethane	2.1	U	1.05	NA	NA	N	75-69-4
		Vinyl Acetate	5.3	U	2.65	NA	NA	N	108-05-4
		Vinyl chloride	2.1	U	1.05	600	N	N	75-01-4
		Xylene (Total)	2.1	U	1.05	300000	N	N	1330-20-7
					144.15	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM4-SW-2	SOIL	1,1,1,2-Tetrachloroethane	2.5	U	1.25	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.5	U	1.25	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.5	U	1.25	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.5	U	1.25	100	N	N	79-00-5
		1,1-Dichloroethane	2.5	U	1.25	400	N	N	75-34-3
		1,1-Dichloroethene	2.5	U	1.25	3000	N	N	75-35-4
		1,1-Dichloropropene	2.5	U	1.25	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.5	U	1.25	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.5	U	1.25	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.5	U	1.25	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.5	U	1.25	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.5	U	1.25	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.5	U	1.25	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.5	U	1.25	9000	N	N	95-50-1
		1,2-Dichloroethane	2.5	U	1.25	100	N	N	107-06-2
		1,2-Dichloropropane	2.5	U	1.25	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.5	U	1.25	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.5	U	1.25	1000	N	N	541-73-1
		1,3-Dichloropropane	2.5	U	1.25	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.5	U	1.25	700	N	N	106-46-7
		2,2-Dichloropropane	2.5	U	1.25	NA	NA	N	590-20-7
		2-Butanone (MEK)	2.5	U	1.25	4000	N	N	78-93-3
		2-Chlorotoluene	2.5	U	1.25	NA	NA	N	95-49-8
		2-Hexanone	12	U	6	NA	NA	N	591-78-6
		4-Chlorotoluene	2.5	U	1.25	NA	NA	N	106-43-4
		Acetone	12	33	33	6000	N	N	67-64-1
		Benzene	2.5	U	1.25	2000	N	N	71-43-2
		Bromobenzene	2.5	U	1.25	NA	NA	N	108-86-1
		Bromochloromethane	2.5	U	1.25	NA	NA	N	74-97-5
		Bromodichloromethane	2.5	U	1.25	100	N	N	75-27-4
		Bromoform	2.5	U	1.25	100	N	N	75-25-2
		Bromomethane	2.5	U	1.25	500	N	N	74-83-9
		Carbon disulfide	2.5	U	1.25	NA	NA	N	75-15-0
		Carbon tetrachloride	2.5	U	1.25	5000	N	N	56-23-5
		Chlorobenzene	2.5	U	1.25	1000	N	N	108-90-7
		Chloroethane	2.5	U	1.25	NA	NA	N	75-00-3
		Chloroform	2.5	U	1.25	300	N	N	67-66-3
		Chloromethane	2.5	U	1.25	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.5	U	1.25	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.5	U	1.25	10	N	N	10061-01-5
		Dibromochloromethane	2.5	U	1.25	5	N	N	124-48-1
		Dibromomethane	2.5	U	1.25	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.5	U	1.25	NA	NA	N	75-71-8
		Ethylbenzene	2.5	U	1.25	40000	N	N	100-41-4
		Hexachlorobutadiene	2.5	U	1.25	6000	N	N	87-68-3
		Iodomethane	2.5	U	1.25	NA	NA	N	74-88-04
		Isopropylbenzene	2.5	U	1.25	NA	NA	N	98-82-8
		Methyl isobutyl ketone	12	U	6	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.5	U	1.25	100	N	N	1634-04-4
		Methylene chloride	12	27	27	100	N	N	75-09-2
		Napthalene	2.5	U	1.25	4000	N	N	00091-20-3
		n-Butylbenzene	2.5	U	1.25	NA	NA	N	104-51-8
		n-Propylbenzene	2.5	U	1.25	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.5	U	1.25	NA	NA	N	99-87-6
		sec-Butylbenzene	2.5	U	1.25	NA	NA	N	135-98-8
		Styrene	2.5	U	1.25	3000	N	N	100-42-5
		tert-Butylbenzene	2.5	U	1.25	NA	NA	N	98-06-6
		Tetrachloroethene	2.5	U	1.25	1000	N	N	127-18-4
		Toluene	2.5	U	1.25	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.5	U	1.25	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.5	U	1.25	10	N	N	10061-02-6
		Trichloroethene	2.5	U	1.25	300	N	N	79-01-6
		Trichlorofluoromethane	2.5	U	1.25	NA	NA	N	75-69-4
		Vinyl Acetate	6.1	U	3.05	NA	NA	N	108-05-4
		Vinyl chloride	2.5	U	1.25	600	N	N	75-01-4
		Xylene (Total)	2	U	1	300000	N	N	1330-20-7
					151.05	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM4-SW-3	SOIL	1,1,1,2-Tetrachloroethane	2.1	U	1.05	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.1	U	1.05	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.1	U	1.05	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.1	U	1.05	100	N	N	79-00-5
		1,1-Dichloroethane	2.1	U	1.05	400	N	N	75-34-3
		1,1-Dichloroethene	2.1	U	1.05	3000	N	N	75-35-4
		1,1-Dichloropropene	2.1	U	1.05	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.1	U	1.05	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.1	U	1.05	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.1	U	1.05	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.1	U	1.05	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.1	U	1.05	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.1	U	1.05	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.1	U	1.05	9000	N	N	95-50-1
		1,2-Dichloroethane	2.1	U	1.05	100	N	N	107-06-2
		1,2-Dichloropropane	2.1	U	1.05	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.1	U	1.05	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.1	U	1.05	1000	N	N	541-73-1
		1,3-Dichloropropane	2.1	U	1.05	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.1	U	1.05	700	N	N	106-46-7
		2,2-Dichloropropane	2.1	U	1.05	NA	NA	N	590-20-7
		2-Butanone (MEK)	8.6	U	4.3	4000	N	N	78-93-3
		2-Chlorotoluene	2.1	U	1.05	NA	NA	N	95-49-8
		2-Hexanone	11	U	5.5	NA	NA	N	591-78-6
		4-Chlorotoluene	2.1	U	1.05	NA	NA	N	106-43-4
		Acetone	11	41	41	6000	N	N	67-64-1
		Benzene	2.1	U	1.05	2000	N	N	71-43-2
		Bromobenzene	2.1	U	1.05	NA	NA	N	108-86-1
		Bromochloromethane	2.1	U	1.05	NA	NA	N	74-97-5
		Bromodichloromethane	2.1	U	1.05	100	N	N	75-27-4
		Bromoform	2.1	U	1.05	100	N	N	75-25-2
		Bromomethane	2.1	U	1.05	500	N	N	74-83-9
		Carbon disulfide	2.1	U	1.05	NA	NA	N	75-15-0
		Carbon tetrachloride	2.1	U	1.05	5000	N	N	56-23-5
		Chlorobenzene	2.1	U	1.05	1000	N	N	108-90-7
		Chloroethane	2.1	U	1.05	NA	NA	N	75-00-3
		Chloroform	2.1	U	1.05	300	N	N	67-66-3
		Chloromethane	2.1	U	1.05	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.1	U	1.05	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.1	U	1.05	10	N	N	10061-01-5
		Dibromochloromethane	2.1	U	1.05	5	N	N	124-48-1
		Dibromomethane	2.1	U	1.05	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.1	U	1.05	NA	NA	N	75-71-8
		Ethylbenzene	2.1	U	1.05	40000	N	N	100-41-4
		Hexachlorobutadiene	2.1	U	1.05	6000	N	N	87-68-3
		Iodomethane	2.1	U	1.05	NA	NA	N	74-88-04
		Isopropylbenzene	2.1	U	1.05	NA	NA	N	98-82-8
		Methyl isobutyl ketone	11	U	5.5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.1	U	1.05	100	N	N	1634-04-4
		Methylene chloride	11	15	15	100	N	N	75-09-2
		Napthalene	2.1	U	1.05	4000	N	N	00091-20-3
		n-Butylbenzene	2.1	U	1.05	NA	NA	N	104-51-8
		n-Propylbenzene	2.1	U	1.05	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.1	U	1.05	NA	NA	N	99-87-6
		sec-Butylbenzene	2.1	U	1.05	NA	NA	N	135-98-8
		Styrene	2.1	U	1.05	3000	N	N	100-42-5
		tert-Butylbenzene	2.1	U	1.05	NA	NA	N	98-06-6
		Tetrachloroethene	2.1	U	1.05	1000	N	N	127-18-4
		Toluene	2.1	U	1.05	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.1	U	1.05	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.1	U	1.05	10	N	N	10061-02-6
		Trichloroethene	2.1	U	1.05	300	N	N	79-01-6
		Trichlorofluoromethane	2.1	U	1.05	NA	NA	N	75-69-4
		Vinyl Acetate	5.4	U	2.7	NA	NA	N	108-05-4
		Vinyl chloride	2.1	U	1.05	600	N	N	75-01-4
		Xylene (Total)	2.1	U	1.05	300000	N	N	1330-20-7
					137	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM4-SW-4	SOIL	1,1,1,2-Tetrachloroethane	2	U	1	100	N	N	630-20-6
		1,1,1-Trichloroethane	2	U	1	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2	U	1	5	N	N	79-34-5
		1,1,2-Trichloroethane	2	U	1	100	N	N	79-00-5
		1,1-Dichloroethane	2	U	1	400	N	N	75-34-3
		1,1-Dichloroethene	2	U	1	3000	N	N	75-35-4
		1,1-Dichloropropene	2	U	1	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2	U	1	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2	U	1	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2	U	1	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2	U	1	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2	U	1	NA	NA	N	96-12-8
		1,2-Dibromoethane	2	U	1	100	N	N	106-93-4
		1,2-Dichlorobenzene	2	U	1	9000	N	N	95-50-1
		1,2-Dichloroethane	2	U	1	100	N	N	107-06-2
		1,2-Dichloropropane	2	U	1	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2	U	1	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2	U	1	1000	N	N	541-73-1
		1,3-Dichloropropane	2	U	1	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2	U	1	700	N	N	106-46-7
		2,2-Dichloropropane	2	U	1	NA	NA	N	590-20-7
		2-Butanone (MEK)	2	U	1	4000	N	N	78-93-3
		2-Chlorotoluene	2	U	1	NA	NA	N	95-49-8
		2-Hexanone	10	U	5	NA	NA	N	591-78-6
		4-Chlorotoluene	2	U	1	NA	NA	N	106-43-4
		Acetone	10	41	41	6000	N	N	67-64-1
		Benzene	2	U	1	2000	N	N	71-43-2
		Bromobenzene	2	U	1	NA	NA	N	108-86-1
		Bromochloromethane	2	U	1	NA	NA	N	74-97-5
		Bromodichloromethane	2	U	1	100	N	N	75-27-4
		Bromoform	2	U	1	100	N	N	75-25-2
		Bromomethane	2	U	1	500	N	N	74-83-9
		Carbon disulfide	2	U	1	NA	NA	N	75-15-0
		Carbon tetrachloride	2	U	1	5000	N	N	56-23-5
		Chlorobenzene	2	U	1	1000	N	N	108-90-7
		Chloroethane	2	U	1	NA	NA	N	75-00-3
		Chloroform	2	U	1	300	N	N	67-66-3
		Chloromethane	2	U	1	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2	U	1	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2	U	1	10	N	N	10061-01-5
		Dibromochloromethane	2	U	1	5	N	N	124-48-1
		Dibromomethane	2	U	1	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2	U	1	NA	NA	N	75-71-8
		Ethylbenzene	2	U	1	40000	N	N	100-41-4
		Hexachlorobutadiene	2	U	1	6000	N	N	87-68-3
		Iodomethane	2	U	1	NA	NA	N	74-88-04
		Isopropylbenzene	2	U	1	NA	NA	N	98-82-8
		Methyl isobutyl ketone	10	U	5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2	U	1	100	N	N	1634-04-4
		Methylene chloride	10	19	19	100	N	N	75-09-2
		Napthalene	2	U	1	4000	N	N	00091-20-3
		n-Butylbenzene	2	U	1	NA	NA	N	104-51-8
		n-Propylbenzene	2	U	1	NA	NA	N	103-65-1
		p-Isopropyltoluene	2	U	1	NA	NA	N	99-87-6
		sec-Butylbenzene	2	U	1	NA	NA	N	135-98-8
		Styrene	2	U	1	3000	N	N	100-42-5
		tert-Butylbenzene	2	U	1	NA	NA	N	98-06-6
		Tetrachloroethene	2	1.0	1	1000	N	N	127-18-4
		Toluene	2	U	1	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2	U	1	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2	U	1	10	N	N	10061-02-6
		Trichloroethene	2	U	1	300	N	N	79-01-6
		Trichlorofluoromethane	2	U	1	NA	NA	N	75-69-4
		Vinyl Acetate	5	U	2.5	NA	NA	N	108-05-4
		Vinyl chloride	2	U	1	600	N	N	75-01-4
		Xylene (Total)	2	U	1	300000	N	N	1330-20-7
					133.5	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-15
Hangar 2 Maintenance Action - GTM Confirmatory Samples VOC Analytical Data

SAMPLE ID	MATRIX	PARAMETER	QUAL Reporting limit (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N	Reporting Limit Issue (Y/N)?	CAS NOS
C-B82-GTM4-B-5	SOIL	1,1,1,2-Tetrachloroethane	2.2	U	1.1	100	N	N	630-20-6
		1,1,1-Trichloroethane	2.2	U	1.1	30000	N	N	71-55-6
		1,1,2,2-Tetrachloroethane	2.2	U	1.1	5	N	N	79-34-5
		1,1,2-Trichloroethane	2.2	U	1.1	100	N	N	79-00-5
		1,1-Dichloroethane	2.2	U	1.1	400	N	N	75-34-3
		1,1-Dichloroethene	2.2	U	1.1	3000	N	N	75-35-4
		1,1-Dichloropropene	2.2	U	1.1	NA	NA	N	563-58-6
		1,2,3-Trichlorobenzene	2.2	U	1.1	NA	NA	N	87-61-6
		1,2,3-Trichloropropane	2.2	U	1.1	NA	NA	N	96-18-4
		1,2,4-Trichlorobenzene	2.2	U	1.1	2000	N	N	120-82-1
		1,2,4-Trimethylbenzene	2.2	U	1.1	NA	NA	N	95-63-6
		1,2-Dibromo-3-chloropropane	2.2	U	1.1	NA	NA	N	96-12-8
		1,2-Dibromoethane	2.2	U	1.1	100	N	N	106-93-4
		1,2-Dichlorobenzene	2.2	U	1.1	9000	N	N	95-50-1
		1,2-Dichloroethane	2.2	U	1.1	100	N	N	107-06-2
		1,2-Dichloropropane	2.2	U	1.1	100	N	N	78-87-5
		1,3,5-Trimethylbenzene	2.2	U	1.1	NA	NA	N	108-67-8
		1,3-Dichlorobenzene	2.2	U	1.1	1000	N	N	541-73-1
		1,3-Dichloropropane	2.2	U	1.1	NA	NA	N	142-28-9
		1,4-Dichlorobenzene	2.2	U	1.1	700	N	N	106-46-7
		2,2-Dichloropropane	2.2	U	1.1	NA	NA	N	590-20-7
		2-Butanone (MEK)	2.2	U	1.1	4000	N	N	78-93-3
		2-Chlorotoluene	2.2	U	1.1	NA	NA	N	95-49-8
		2-Hexanone	11	U	5.5	400	N	N	591-78-6
		4-Chlorotoluene	2.2	U	1.1	NA	NA	N	106-43-4
		Acetone	11	28	28	6000	N	N	67-64-1
		Benzene	2.2	U	1.1	2000	N	N	71-43-2
		Bromobenzene	2.2	U	1.1	NA	NA	N	108-86-1
		Bromochloromethane	2.2	U	1.1	NA	NA	N	74-97-5
		Bromodichloromethane	2.2	U	1.1	100	N	N	75-27-4
		Bromoform	2.2	U	1.1	100	N	N	75-25-2
		Bromomethane	2.2	U	1.1	500	N	N	74-83-9
		Carbon disulfide	2.2	U	1.1	NA	NA	N	75-15-0
		Carbon tetrachloride	2.2	U	1.1	5000	N	N	56-23-5
		Chlorobenzene	2.2	U	1.1	1000	N	N	108-90-7
		Chloroethane	2.2	U	1.1	NA	NA	N	75-00-3
		Chloroform	2.2	U	1.1	300	N	N	67-66-3
		Chloromethane	2.2	U	1.1	NA	NA	N	74-87-3
		cis-1,2-Dichloroethene	2.2	U	1.1	300	N	N	156-59-2
		cis-1,3-Dichloropropene	2.2	U	1.1	10	N	N	10061-01-5
		Dibromochloromethane	2.2	U	1.1	5	N	N	124-48-1
		Dibromomethane	2.2	U	1.1	NA	NA	N	74-95-3
		Dichlorodifluoromethane	2.2	U	1.1	NA	NA	N	75-71-8
		Ethylbenzene	2.2	U	1.1	40000	N	N	100-41-4
		Hexachlorobutadiene	2.2	U	1.1	6000	N	N	87-68-3
		Iodomethane	2.2	U	1.1	NA	NA	N	74-88-04
		Isopropylbenzene	2.2	U	1.1	NA	NA	N	98-82-8
		Methyl isobutyl ketone	11	U	5.5	400	N	N	108-10-1
		Methyl tert-butyl ether (MTBE)	2.2	U	1.1	100	N	N	1634-04-4
		Methylene chloride	11	22	22	100	N	N	75-09-2
		Napthalene	2.2	U	1.1	4000	N	N	00091-20-3
		n-Butylbenzene	2.2	U	1.1	NA	NA	N	104-51-8
		n-Propylbenzene	2.2	U	1.1	NA	NA	N	103-65-1
		p-Isopropyltoluene	2.2	U	1.1	NA	NA	N	99-87-6
		sec-Butylbenzene	2.2	U	1.1	NA	NA	N	135-98-8
		Styrene	2.2	U	1.1	3000	N	N	100-42-5
		tert-Butylbenzene	2.2	U	1.1	NA	NA	N	98-06-6
		Tetrachloroethene	2.2	U	1.1	1000	N	N	127-18-4
		Toluene	2.2	U	1.1	30000	N	N	108-88-3
		trans-1,2-Dichloroethene	2.2	U	1.1	1000	N	N	156-60-5
		trans-1,3-Dichloropropene	2.2	U	1.1	10	N	N	10061-02-6
		Trichloroethene	2.2	U	1.1	300	N	N	79-01-6
		Trichlorofluoromethane	2.2	U	1.1	NA	NA	N	75-69-4
		Vinyl Acetate	5.5	U	2.75	NA	NA	N	108-05-4
		Vinyl chloride	2.2	U	1.1	600	N	N	75-01-4
		Xylene (Total)	2.2	U	1.1	300000	N	N	1330-20-7
					130.85	4			

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-16
Confirmatory Sample Locations Coordinates

Easting	Northing	Comment	Point_ID
LRA COORDINATES			
806870.581	2882770.218	C_B82_LRA_SW11	1
806882.527	2882773.55	C_B82_LRA_SW10	2
806878.646	2882774.189	C B82 LRA B1	3
806886.82	2882780.492	C B82 LRA SW12	4
806901.649	2882782.746	C B82 LRA SW9	5
806905.492	2882786.566	C B82 LRA B2	6
806909.774	2882790.691	C B82 LRA SW13	7
806924.31	2882792.833	C B82 LRA SW8	8
806937.399	2882801.363	C B82 LRA B3	9
806931.327	2882799.104	C B82 LRA SW14	10
806947.45	2882802.771	C B82 LRA SW7	11
806957.541	2882811.417	C B82 LRA SW15	12
806971.317	2882815.342	C B82 LRA B4	13
806972.078	2882812.914	C B82 LRA SW6	14
806982.75	2882820.89	C B82 LRA SW5	15
GTM SAMPLE COORDINATES			
807154.546	2882634.892	C B82 GTM1 SW4	16
807151.483	2882620.931	C B82 GTM1 SW3	17
807162.43	2882622.766	C B82 GTM1 B5	offset
807171.579	2882627.089	C B82 GTM1 SW1	offset
807166.206	2882617.067	C B82 GTM1 SW2	18
807186.555	2882581.323	C B82 GTM2 SW4	19
807176.981	2882569.816	C B82 GTM2 SW3	20
807188.327	2882568.505	C B82 GTM2 B5	offset
807195.974	2882575.559	C B82 GTM2 SW1	offset
807191.305	2882562.218	C B82 GTM 2 SW2	21
807213.124	2882516.449	C B82 GTM3 B5	offset
807207.118	2882530.075	C B82 GTM3 SW4	22
807200.497	2882512.994	C B82 GTM3 SW3	23
807216.431	2882509.689	C B82 GTM3 SW2	offset
807219.271	2882520.271	C B82 GTM3 SW1	offset
807239.883	2882460.478	C B82 GTM4 B5	offset
807248.847	2882464.693	C B82 GTM4 SW1	offset
807244.114	2882451.459	C B82 GTM 4 SW2	offset
807230.796	2882462.036	C B82 GTM4 SW3	24
807234.604	2882470.255	C B82 GTM 4 SW4	offset
DRAINAGE DITCH COORDINATES			
806973.511	2882935.375	C B82 DRAIN 1	25
806971.371	2882919.034	C B82 DRAIN 4	26
806994.893	2882929.112	C B82 DRAIN 2	27
MONITORING WELL COORDINATES			
807066.51	2882759.614	MW 200 2	28
807061.169	2882759.84	MW 200 1	29
807067.014	2882769.576	MW 200 3	30
807074.537	2882760.081	MW 200 4	31

Datum: US State Plane, MA Mainland

Table 2-17
Building 82 Maintenance Action- Limited Removal Action
Investigatory EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
LRA 6-A	Soil	Naphthalene	J	322	279	4000	N
		Acenaphthylene		322	U	1000	N
		Acenaphthene		322	U	4000	N
		Fluorene		322	U	1000000	N
		Phenanthrene		322	U	10000	N
		Anthracene		322	U	1000000	N
		Fluoranthene		322	U	1000000	N
		Pyrene		322	U	1000000	N
		Benzo[a]anthracene		322	U	7000	N
		Chrysene		322	U	70000	N
		Benzo[b]fluoranthene		322	U	7000	N
		Benzo[k]fluoranthene		322	U	70000	N
		Benzo[a]pyrene		322	U	2000	N
		Dibenz[a,h]anthracene		322	U	700	N
		Benzo[g,h,i]perylene		322	U	1000000	N
		Indeno[1,2,3-cd]pyrene		322	U	7000	N
		2-Methylnaphthalene		322	584	700	N
		Hydrocarbons		32200	68400	1000000	N
		Hydrocarbons		32200	U	3000000	N
		Hydrocarbons		32200	32900	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
LRA 10-A	Soil	Naphthalene		276	U	4000	N
		Acenaphthylene		276	U	1000	N
		Acenaphthene		276	U	4000	N
		Fluorene		276	U	1000000	N
		Phenanthrene		276	U	10000	N
		Anthracene		276	U	1000000	N
		Fluoranthene		276	U	1000000	N
		Pyrene		276	U	1000000	N
		Benzo[a]anthracene		276	U	7000	N
		Chrysene		276	U	70000	N
		Benzo[b]fluoranthene		276	U	7000	N
		Benzo[k]fluoranthene		276	U	70000	N
		Benzo[a]pyrene		276	U	2000	N
		Dibenz[a,h]anthracene		276	U	700	N
		Benzo[g,h,i]perylene		276	U	1000000	N
		Indeno[1,2,3-cd]pyrene		276	U	7000	N
		2-Methylnaphthalene		276	U	700	N
		Hydrocarbons		27600	U	1000000	N
		Hydrocarbons		27600	U	3000000	N
		Hydrocarbons		27600	U	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-18
Building 82 Maintenance Action- Limited Removal Action
Investigatory VPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
LRA 6-A	Soil	Benzene		190	U	2000	N
		Ethylbenzene		190	U	40000	N
		Methyl-tert-butyl ether		190	U	100	N
		Naphthalene		190	448	4000	N
		Toluene		190	U	30000	N
		m- & p-Xylenes		370	1440	300000	N
		o-Xylene		190	1000	300000	N
		C5-C8 Aliphatics Hydrocarbons		4630	19300	100000	N
		C9-C12 Aliphatic Hydrocarbons		4630	9900	1000000	N
		C9-C10 Aromatic Hydrocarbons		930	11700	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
LRA 10-A	Soil	Benzene		120	U	2000	N
		Ethylbenzene		120	U	40000	N
		Methyl-tert-butyl ether		120	U	100	N
		Naphthalene		120	U	4000	N
		Toluene		120	U	30000	N
		m- & p-Xylenes		240	U	300000	N
		o-Xylene		190	U	300000	N
		C5-C8 Aliphatics Hydrocarbons		2990	U	100000	N
		C9-C12 Aliphatic Hydrocarbons		2990	U	1000000	N
		C9-C10 Aromatic Hydrocarbons		600	U	100000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-19
Building 82 Maintenance Action - Limited Removal Action
Confirmatory
EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-B-01	Soil	Naphthalene	U	280	U	4000	N
		Acenaphthylene	U	280	U	1000	N
		Acenaphthene	U	280	U	4000	N
		Fluorene	U	280	U	1000000	N
		Phenanthrene	U	280	U	10000	N
		Anthracene	U	280	U	1000000	N
		Fluoranthene	U	280	U	1000000	N
		Pyrene	U	280	U	1000000	N
		Benzo[a]anthracene	U	280	U	7000	N
		Chrysene	U	280	U	70000	N
		Benzo[b]fluoranthene	U	280	U	7000	N
		Benzo[k]fluoranthene	U	280	U	70000	N
		Benzo[a]pyrene	U	280	U	2000	N
		Dibenz[a,h]anthracene	U	280	U	700	N
		Benzo[g,h,i]perylene	U	280	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	280	U	7000	N
		2-Methylnaphthalene	U	280	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	28000	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	28000	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	28000	U	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-B-02	Soil	Naphthalene	U	284	U	4000	N
		Acenaphthylene	U	284	U	1000	N
		Acenaphthene	U	284	U	4000	N
		Fluorene	U	284	U	1000000	N
		Phenanthrene	U	284	U	10000	N
		Anthracene	U	284	U	1000000	N
		Fluoranthene	U	284	U	1000000	N
		Pyrene	U	284	U	1000000	N
		Benzo[a]anthracene	U	284	U	7000	N
		Chrysene	U	284	U	70000	N
		Benzo[b]fluoranthene	U	284	U	7000	N
		Benzo[k]fluoranthene	U	284	U	70000	N
		Benzo[a]pyrene	U	284	U	2000	N
		Dibenz[a,h]anthracene	U	284	U	700	N
		Benzo[g,h,i]perylene	U	284	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	284	U	7000	N
		2-Methylnaphthalene	U	284	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	28400	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	28400	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	28400	U	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-19
Building 82 Maintenance Action - Limited Removal Action
Confirmatory
EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-B-03	Soil	Naphthalene	U	276	U	4000	N
		Acenaphthylene	U	276	U	1000	N
		Acenaphthene	U	276	U	4000	N
		Fluorene	U	276	U	1000000	N
		Phenanthrene	U	276	U	10000	N
		Anthracene	U	276	U	1000000	N
		Fluoranthene	U	276	U	1000000	N
		Pyrene	U	276	U	1000000	N
		Benzo[a]anthracene	U	276	U	7000	N
		Chrysene	U	276	U	70000	N
		Benzo[b]fluoranthene	U	276	U	7000	N
		Benzo[k]fluoranthene	U	276	U	70000	N
		Benzo[a]pyrene	U	276	U	2000	N
		Dibenz[a,h]anthracene	U	276	U	700	N
		Benzo[g,h,i]perylene	U	276	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	276	U	7000	N
		2-Methylnaphthalene	U	276	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	27600	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	27600	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	27600	U	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-B-04	Soil	Naphthalene	U	265	U	4000	N
		Acenaphthylene	U	265	U	1000	N
		Acenaphthene	U	265	U	4000	N
		Fluorene	U	265	U	1000000	N
		Phenanthrene	U	265	U	10000	N
		Anthracene	U	265	U	1000000	N
		Fluoranthene	U	265	U	1000000	N
		Pyrene	U	265	U	1000000	N
		Benzo[a]anthracene	U	265	U	7000	N
		Chrysene	U	265	U	70000	N
		Benzo[b]fluoranthene	U	265	U	7000	N
		Benzo[k]fluoranthene	U	265	U	70000	N
		Benzo[a]pyrene	U	265	U	2000	N
		Dibenz[a,h]anthracene	U	265	U	700	N
		Benzo[g,h,i]perylene	U	265	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	265	U	7000	N
		2-Methylnaphthalene	U	265	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	26500	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	26500	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	26500	U	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-19
Building 82 Maintenance Action - Limited Removal Action
Confirmatory
EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-B-04D	Soil	Naphthalene	U	272	U	4000	N
		Acenaphthylene	U	272	U	1000	N
		Acenaphthene	U	272	U	4000	N
		Fluorene	U	272	U	1000000	N
		Phenanthrene	U	272	U	10000	N
		Anthracene	U	272	U	1000000	N
		Fluoranthene	U	272	U	1000000	N
		Pyrene	U	272	U	1000000	N
		Benzo[a]anthracene	U	272	U	7000	N
		Chrysene	U	272	U	70000	N
		Benzo[b]fluoranthene	U	272	U	7000	N
		Benzo[k]fluoranthene	U	272	U	70000	N
		Benzo[a]pyrene	U	272	U	2000	N
		Dibenz[a,h]anthracene	U	272	U	700	N
		Benzo[g,h,i]perylene	U	272	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	272	U	7000	N
		2-Methylnaphthalene	U	272	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	27200	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	27200	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	27200	U	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-05	Soil	Naphthalene	U	297	U	4000	N
		Acenaphthylene	U	297	U	1000	N
		Acenaphthene	U	297	U	4000	N
		Fluorene	U	297	U	1000000	N
		Phenanthrene	U	297	U	10000	N
		Anthracene	U	297	U	1000000	N
		Fluoranthene	U	297	U	1000000	N
		Pyrene	U	297	U	1000000	N
		Benzo[a]anthracene	U	297	U	7000	N
		Chrysene	U	297	U	70000	N
		Benzo[b]fluoranthene	U	297	U	7000	N
		Benzo[k]fluoranthene	U	297	U	70000	N
		Benzo[a]pyrene	U	297	U	2000	N
		Dibenz[a,h]anthracene	U	297	U	700	N
		Benzo[g,h,i]perylene	U	297	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	297	U	7000	N
		2-Methylnaphthalene	U	297	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	29700	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	29700	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	29700	U	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-19
Building 82 Maintenance Action - Limited Removal Action
Confirmatory
EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-06	Soil	Naphthalene	U	284	U	4000	N
		Acenaphthylene	U	284	U	1000	N
		Acenaphthene	U	284	U	4000	N
		Fluorene	U	284	U	1000000	N
		Phenanthrene	U	284	U	10000	N
		Anthracene	U	284	U	1000000	N
		Fluoranthene	U	284	U	1000000	N
		Pyrene	U	284	U	1000000	N
		Benzo[a]anthracene	U	284	U	7000	N
		Chrysene	U	284	U	70000	N
		Benzo[b]fluoranthene	U	284	U	7000	N
		Benzo[k]fluoranthene	U	284	U	70000	N
		Benzo[a]pyrene	U	284	U	2000	N
		Dibenz[a,h]anthracene	U	284	U	700	N
		Benzo[g,h,i]perylene	U	284	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	284	U	7000	N
		2-Methylnaphthalene	U	284	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	28400	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	28400	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	28400	U	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-07	Soil	Naphthalene	U	303	U	4000	N
		Acenaphthylene	U	303	U	1000	N
		Acenaphthene	U	303	U	4000	N
		Fluorene	U	303	U	1000000	N
		Phenanthrene	U	303	U	10000	N
		Anthracene	U	303	U	1000000	N
		Fluoranthene	U	303	U	1000000	N
		Pyrene	U	303	U	1000000	N
		Benzo[a]anthracene	U	303	U	7000	N
		Chrysene	U	303	U	70000	N
		Benzo[b]fluoranthene	U	303	U	7000	N
		Benzo[k]fluoranthene	U	303	U	70000	N
		Benzo[a]pyrene	U	303	U	2000	N
		Dibenz[a,h]anthracene	U	303	U	700	N
		Benzo[g,h,i]perylene	U	303	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	303	U	7000	N
		2-Methylnaphthalene	U	303	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	30300	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	30300	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	30300	U	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-19
Building 82 Maintenance Action - Limited Removal Action
Confirmatory
EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-08	Soil	Naphthalene	U	379	U	4000	N
		Acenaphthylene	U	379	U	1000	N
		Acenaphthene	U	379	U	4000	N
		Fluorene	U	379	U	1000000	N
		Phenanthrene	U	379	U	10000	N
		Anthracene	U	379	U	1000000	N
		Fluoranthene	U	379	U	1000000	N
		Pyrene	U	379	U	1000000	N
		Benzo[a]anthracene	U	379	U	7000	N
		Chrysene	U	379	U	70000	N
		Benzo[b]fluoranthene	U	379	U	7000	N
		Benzo[k]fluoranthene	U	379	U	70000	N
		Benzo[a]pyrene	U	379	U	2000	N
		Dibenz[a,h]anthracene	U	379	U	700	N
		Benzo[g,h,i]perylene	U	379	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	379	U	7000	N
		2-Methylnaphthalene	U	379	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	37900	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	37900	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	37900	U	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-09	Soil	Naphthalene	U	299	U	4000	N
		Acenaphthylene	U	299	U	1000	N
		Acenaphthene	U	299	U	4000	N
		Fluorene	U	299	U	1000000	N
		Phenanthrene	U	299	U	10000	N
		Anthracene	U	299	U	1000000	N
		Fluoranthene	U	299	U	1000000	N
		Pyrene	U	299	U	1000000	N
		Benzo[a]anthracene	U	299	U	7000	N
		Chrysene	U	299	U	70000	N
		Benzo[b]fluoranthene	U	299	U	7000	N
		Benzo[k]fluoranthene	U	299	U	70000	N
		Benzo[a]pyrene	U	299	U	2000	N
		Dibenz[a,h]anthracene	U	299	U	700	N
		Benzo[g,h,i]perylene	U	299	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	299	U	7000	N
		2-Methylnaphthalene	U	299	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	29900	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	29900	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	29900	U	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-19
Building 82 Maintenance Action - Limited Removal Action
Confirmatory
EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-10	Soil	Naphthalene	U	314	U	4000	N
		Acenaphthylene	U	314	U	1000	N
		Acenaphthene	U	314	U	4000	N
		Fluorene	U	314	U	1000000	N
		Phenanthrene	U	314	U	10000	N
		Anthracene	U	314	U	1000000	N
		Fluoranthene	U	314	U	1000000	N
		Pyrene	U	314	U	1000000	N
		Benzo[a]anthracene	U	314	U	7000	N
		Chrysene	U	314	U	70000	N
		Benzo[b]fluoranthene	U	314	U	7000	N
		Benzo[k]fluoranthene	U	314	U	70000	N
		Benzo[a]pyrene	U	314	U	2000	N
		Dibenz[a,h]anthracene	U	314	U	700	N
		Benzo[g,h,i]perylene	U	314	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	314	U	7000	N
		2-Methylnaphthalene	U	314	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	31400	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	31400	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	31400	U	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-11	Soil	Naphthalene	U	290	U	4000	N
		Acenaphthylene	U	290	U	1000	N
		Acenaphthene	U	290	U	4000	N
		Fluorene	U	290	U	1000000	N
		Phenanthrene	U	290	U	10000	N
		Anthracene	U	290	U	1000000	N
		Fluoranthene	U	290	U	1000000	N
		Pyrene	U	290	U	1000000	N
		Benzo[a]anthracene	U	290	U	7000	N
		Chrysene	U	290	U	70000	N
		Benzo[b]fluoranthene	U	290	U	7000	N
		Benzo[k]fluoranthene	U	290	U	70000	N
		Benzo[a]pyrene	U	290	U	2000	N
		Dibenz[a,h]anthracene	U	290	U	700	N
		Benzo[g,h,i]perylene	U	290	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	290	U	7000	N
		2-Methylnaphthalene	U	290	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	29000	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	29000	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	29000	U	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-19
Building 82 Maintenance Action - Limited Removal Action
Confirmatory
EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-12	Soil	Naphthalene	U	301	U	4000	N
		Acenaphthylene	U	301	U	1000	N
		Acenaphthene	U	301	U	4000	N
		Fluorene	U	301	U	1000000	N
		Phenanthrene	U	301	U	10000	N
		Anthracene	U	301	U	1000000	N
		Fluoranthene	U	301	U	1000000	N
		Pyrene	U	301	U	1000000	N
		Benzo[a]anthracene	U	301	U	7000	N
		Chrysene	U	301	U	70000	N
		Benzo[b]fluoranthene	U	301	U	7000	N
		Benzo[k]fluoranthene	U	301	U	70000	N
		Benzo[a]pyrene	U	301	U	2000	N
		Dibenz[a,h]anthracene	U	301	U	700	N
		Benzo[g,h,i]perylene	U	301	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	301	U	7000	N
		2-Methylnaphthalene	U	301	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	30100	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	30100	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	30100	U	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-13	Soil	Naphthalene	U	292	U	4000	N
		Acenaphthylene	U	292	U	1000	N
		Acenaphthene	U	292	U	4000	N
		Fluorene	U	292	U	1000000	N
		Phenanthrene	U	292	U	10000	N
		Anthracene	U	292	U	1000000	N
		Fluoranthene	U	292	U	1000000	N
		Pyrene	U	292	U	1000000	N
		Benzo[a]anthracene	U	292	U	7000	N
		Chrysene	U	292	U	70000	N
		Benzo[b]fluoranthene	U	292	U	7000	N
		Benzo[k]fluoranthene	U	292	U	70000	N
		Benzo[a]pyrene	U	292	U	2000	N
		Dibenz[a,h]anthracene	U	292	U	700	N
		Benzo[g,h,i]perylene	U	292	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	292	U	7000	N
		2-Methylnaphthalene	U	292	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	29200	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	29200	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	29200	U	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-19
Building 82 Maintenance Action - Limited Removal Action
Confirmatory
EPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-14	Soil	Naphthalene	U	301	U	4000	N
		Acenaphthylene	U	301	U	1000	N
		Acenaphthene	U	301	U	4000	N
		Fluorene	U	301	U	1000000	N
		Phenanthrene	U	301	U	10000	N
		Anthracene	U	301	U	1000000	N
		Fluoranthene	U	301	U	1000000	N
		Pyrene	U	301	U	1000000	N
		Benzo[a]anthracene	U	301	U	7000	N
		Chrysene	U	301	U	70000	N
		Benzo[b]fluoranthene	U	301	U	7000	N
		Benzo[k]fluoranthene	U	301	U	70000	N
		Benzo[a]pyrene	U	301	U	2000	N
		Dibenz[a,h]anthracene	U	301	U	700	N
		Benzo[g,h,i]perylene	U	301	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	301	U	7000	N
		2-Methylnaphthalene	U	301	U	700	N
		C9-C18 Aliphatic Hydrocarbons		30100	62400	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	30100	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	J	30100	15500	1000000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-15	Soil	Naphthalene	U	284	U	4000	N
		Acenaphthylene	U	284	U	1000	N
		Acenaphthene	U	284	U	4000	N
		Fluorene	U	284	U	1000000	N
		Phenanthrene	U	284	U	10000	N
		Anthracene	U	284	U	1000000	N
		Fluoranthene	U	284	U	1000000	N
		Pyrene	U	284	U	1000000	N
		Benzo[a]anthracene	U	284	U	7000	N
		Chrysene	U	284	U	70000	N
		Benzo[b]fluoranthene	U	284	U	7000	N
		Benzo[k]fluoranthene	U	284	U	70000	N
		Benzo[a]pyrene	U	284	U	2000	N
		Dibenz[a,h]anthracene	U	284	U	700	N
		Benzo[g,h,i]perylene	U	284	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	284	U	7000	N
		2-Methylnaphthalene	U	284	U	700	N
		C9-C18 Aliphatic Hydrocarbons	U	28400	U	1000000	N
		C19-C36 Aliphatic Hydrocarbons	U	28400	U	3000000	N
		C11-C22 Aromatic Hydrocarbons	U	28400	U	1000000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-20
Building 82 Maintenance Action- Limited Removal Action
Confirmatory VPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-B-01	Soil	Benzene	U	120	U	NA	NA	2000	N
		Ethylbenzene	U	120	U	NA	NA	40000	N
		Methyl-tert-butyl ether	U	120	U	NA	NA	100	N
		Naphthalene	U	120	U	NA	NA	4000	N
		Toluene	U	120	U	NA	NA	30000	N
		m- & p-Xylenes	U	240	U	NA	NA	300000	N
		o-Xylene	U	190	U	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3050	U	NA	NA	100000	N
		C9-C12 Aliphatic Hydrocarbons	J	3050	2070	NA	NA	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	610	U	NA	NA	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-B-02	Soil	Benzene	U	120	U	NA	NA	2000	N
		Ethylbenzene	U	120	U	NA	NA	40000	N
		Methyl-tert-butyl ether	U	120	U	NA	NA	100	N
		Naphthalene	U	120	U	NA	NA	4000	N
		Toluene	U	120	U	NA	NA	30000	N
		m- & p-Xylenes	U	240	U	NA	NA	300000	N
		o-Xylene	U	120	U	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3000	U	NA	NA	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3000	U	14500	N	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	600	U	NA	NA	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-B-03	Soil	Benzene	U	120	U	NA	NA	2000	N
		Ethylbenzene	U	120	U	NA	NA	40000	N
		Methyl-tert-butyl ether	U	120	U	NA	NA	100	N
		Naphthalene	U	120	U	NA	NA	4000	N
		Toluene	U	120	U	NA	NA	30000	N
		m- & p-Xylenes	U	240	U	NA	NA	300000	N
		o-Xylene	U	120	U	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3050	U	NA	NA	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3050	U	14500	N	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	610	U	NA	NA	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-B-04	Soil	Benzene	U	130	U	NA	NA	2000	N
		Ethylbenzene	U	130	U	NA	NA	40000	N
		Methyl-tert-butyl ether	U	130	U	NA	NA	100	N
		Naphthalene	U	130	U	NA	NA	4000	N
		Toluene	U	130	U	NA	NA	30000	N
		m- & p-Xylenes	U	260	U	NA	NA	300000	N
		o-Xylene	U	130	U	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3200	U	NA	NA	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3200	U	14500	N	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	640	U	NA	NA	100000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-20
Building 82 Maintenance Action- Limited Removal Action
Confirmatory VPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-B-04D	Soil	Benzene	U	120	U	NA	NA	2000	N
		Ethylbenzene	U	120	U	NA	NA	40000	N
		Methyl-tert-butyl ether	U	120	U	NA	NA	100	N
		Naphthalene	U	120	U	NA	NA	4000	N
		Toluene	U	120	U	NA	NA	30000	N
		m- & p-Xylenes	U	230	U	NA	NA	300000	N
		o-Xylene	U	120	U	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	2900	U	NA	NA	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	2900	U	14500	N	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	580	U	NA	NA	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-05	Soil	Benzene	U	120	U	NA	NA	2000	N
		Ethylbenzene	U	120	U	NA	NA	40000	N
		Methyl-tert-butyl ether	U	120	U	NA	NA	100	N
		Naphthalene	U	120	U	NA	NA	4000	N
		Toluene	U	120	U	NA	NA	30000	N
		m- & p-Xylenes	U	240	U	NA	NA	300000	N
		o-Xylene	U	120	U	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	2950	U	NA	NA	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	2950	U	14500	N	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	590	U	NA	NA	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-06	Soil	Benzene	U	140	U	NA	NA	2000	N
		Ethylbenzene	U	140	U	NA	NA	40000	N
		Methyl-tert-butyl ether	U	140	U	NA	NA	100	N
		Naphthalene	U	140	U	NA	NA	4000	N
		Toluene	U	140	U	NA	NA	30000	N
		m- & p-Xylenes	U	280	U	NA	NA	300000	N
		o-Xylene	U	140	U	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3500	U	NA	NA	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3500	U	14500	N	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	700	U	NA	NA	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-07	Soil	Benzene	U	120	U	NA	NA	2000	N
		Ethylbenzene	U	120	U	NA	NA	40000	N
		Methyl-tert-butyl ether	U	120	U	NA	NA	100	N
		Naphthalene	U	120	U	NA	NA	4000	N
		Toluene	U	120	U	NA	NA	30000	N
		m- & p-Xylenes	U	250	U	NA	NA	300000	N
		o-Xylene	U	120	U	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3100	U	NA	NA	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3100	U	14500	N	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	620	U	NA	NA	100000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-20
Building 82 Maintenance Action- Limited Removal Action
Confirmatory VPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-08	Soil	Benzene	U	190	U	NA	NA	2000	N
		Ethylbenzene	U	190	U	NA	NA	40000	N
		Methyl-tert-butyl ether	U	190	U	NA	NA	100	N
		Naphthalene	U	190	U	NA	NA	4000	N
		Toluene	U	190	U	NA	NA	30000	N
		m- & p-Xylenes		380	2600	NA	NA	300000	N
		o-Xylene		190	504	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons		4700	10800	NA	NA	100000	N
		C9-C12 Aliphatic Hydrocarbons	J	4700	3990	NA	NA	1000000	N
		C9-C10 Aromatic Hydrocarbons		940	3350	NA	NA	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-09	Soil	Benzene	U	130	U	NA	NA	2000	N
		Ethylbenzene	U	130	U	NA	NA	40000	N
		Methyl-tert-butyl ether	U	130	U	NA	NA	100	N
		Naphthalene	U	130	U	NA	NA	4000	N
		Toluene	U	130	U	NA	NA	30000	N
		m- & p-Xylenes	U	260	U	NA	NA	300000	N
		o-Xylene	U	130	U	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3200	U	NA	NA	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3200	U	14500	N	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	640	U	NA	NA	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-10	Soil	Benzene	U	130	U	NA	NA	2000	N
		Ethylbenzene		130	432	NA	NA	40000	N
		Methyl-tert-butyl ether	U	130	U	NA	NA	100	N
		Naphthalene	U	130	U	NA	NA	4000	N
		Toluene	U	130	U	NA	NA	30000	N
		m- & p-Xylenes	U	260	U	NA	NA	300000	N
		o-Xylene	J	130	102	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons		3300	8530	NA	NA	100000	N
		C9-C12 Aliphatic Hydrocarbons		3300	10000	14500	N	1000000	N
		C9-C10 Aromatic Hydrocarbons		660	5790	NA	NA	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-11	Soil	Benzene	U	150	U	NA	NA	2000	N
		Ethylbenzene	J	150	97	NA	NA	40000	N
		Methyl-tert-butyl ether	U	150	U	NA	NA	100	N
		Naphthalene	U	150	U	NA	NA	4000	N
		Toluene	U	150	U	NA	NA	30000	N
		m- & p-Xylenes	U	310	U	NA	NA	300000	N
		o-Xylene	U	150	U	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3850	U	NA	NA	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3850	U	14500	N	1000000	N
		C9-C10 Aromatic Hydrocarbons		770	1230	NA	NA	100000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-20
Building 82 Maintenance Action- Limited Removal Action
Confirmatory VPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-12	Soil	Benzene	U	140	U	NA	NA	2000	N
		Ethylbenzene	U	140	U	NA	NA	40000	N
		Methyl-tert-butyl ether	U	140	U	NA	NA	100	N
		Naphthalene	U	140	U	NA	NA	4000	N
		Toluene	U	140	U	NA	NA	30000	N
		m- & p-Xylenes	U	270	U	NA	NA	300000	N
		o-Xylene	U	140	U	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3400	U	NA	NA	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3400	U	14500	N	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	680	U	NA	NA	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-13	Soil	Benzene	U	120	U	NA	NA	2000	N
		Ethylbenzene	U	120	U	NA	NA	40000	N
		Methyl-tert-butyl ether	U	120	U	NA	NA	100	N
		Naphthalene	U	120	U	NA	NA	4000	N
		Toluene	U	120	U	NA	NA	30000	N
		m- & p-Xylenes	U	250	U	NA	NA	300000	N
		o-Xylene	U	120	U	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3100	U	NA	NA	100000	N
		C9-C12 Aliphatic Hydrocarbons	J	3100	3360	NA	NA	1000000	N
		C9-C10 Aromatic Hydrocarbons		620	1820	NA	NA	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-14	Soil	Benzene	U	140	U	NA	NA	2000	N
		Ethylbenzene		140	4070	NA	NA	40000	N
		Methyl-tert-butyl ether	U	140	U	NA	NA	100	N
		Naphthalene		140	879	NA	NA	4000	N
		Toluene	U	140	U	NA	NA	30000	N
		m- & p-Xylenes		290	1190	NA	NA	300000	N
		o-Xylene		140	1200	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons		17800	176000	NA	NA	100000	Y
		C9-C12 Aliphatic Hydrocarbons		17800	107000	NA	NA	1000000	N
		C9-C10 Aromatic Hydrocarbons		3560	75500	NA	NA	100000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	Site-Specific Remedial Goals (µg/kg)	Exceed Remedial Goals? Y/N	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-APN-SW-15	Soil	Benzene	U	130	U	NA	NA	2000	N
		Ethylbenzene	U	130	U	NA	NA	40000	N
		Methyl-tert-butyl ether	U	130	U	NA	NA	100	N
		Naphthalene	U	130	U	NA	NA	4000	N
		Toluene	U	130	U	NA	NA	30000	N
		m- & p-Xylenes	U	250	U	NA	NA	300000	N
		o-Xylene	U	130	U	NA	NA	300000	N
		C5-C8 Aliphatics Hydrocarbons	U	3150	U	NA	NA	100000	N
		C9-C12 Aliphatic Hydrocarbons	U	3150	U	14500	N	1000000	N
		C9-C10 Aromatic Hydrocarbons	U	630	U	NA	NA	100000	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-21
Building 82 Maintenance Action- Drainage Ditch
Confirmatory PAH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-DC-B-1	Soil	Naphthalene	U	7	U	4000	N
		Acenaphthylene	U	7	U	1000	N
		Acenaphthene	U	7	U	4000	N
		Fluorene	U	7	U	1000000	N
		Phenanthrene	J	7	5.9	10000	N
		Anthracene	U	7	U	1000000	N
		Fluoranthene		7	10	1000000	N
		Pyrene		7	8.8	1000000	N
		Benzo[a]anthracene	J	7	4.9	7000	N
		Chrysene	J	7	4.2	70000	N
		Benzo[b]fluoranthene	J	7	6.2	7000	N
		Benzo[k]fluoranthene	U	7	U	70000	N
		Benzo[a]pyrene	J	7	4.2	2000	N
		Dibenz[a,h]anthracene	U	7	U	700	N
		Benzo[g,h,i]perylene	J	7	4.2	1000000	N
		Indeno[1,2,3-cd]pyrene	U	7	U	7000	N
		2-Methylnaphthalene	U	7	U	700	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-DC-B-2	Soil	Naphthalene	U	7	U	4000	N
		Acenaphthylene	U	7	U	1000	N
		Acenaphthene	U	7	U	4000	N
		Fluorene	U	7	U	1000000	N
		Phenanthrene		7	12	10000	N
		Anthracene	U	7	U	1000000	N
		Fluoranthene		7	8.4	1000000	N
		Pyrene		7	7.2	1000000	N
		Benzo[a]anthracene	U	7	U	7000	N
		Chrysene	U	7	U	70000	N
		Benzo[b]fluoranthene	U	7	U	7000	N
		Benzo[k]fluoranthene	U	7	U	70000	N
		Benzo[a]pyrene	U	7	U	2000	N
		Dibenz[a,h]anthracene	U	7	U	700	N
		Benzo[g,h,i]perylene	U	7	U	1000000	N
		Indeno[1,2,3-cd]pyrene	U	7	U	7000	N
		2-Methylnaphthalene	U	7	U	700	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-21
Building 82 Maintenance Action- Drainage Ditch
Confirmatory PAH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-DC-B-3	Soil	Naphthalene		8	14	4000	N
		Acenaphthylene		8	13	1000	N
		Acenaphthene		8	15	4000	N
		Fluorene		8	19	1000000	N
		Phenanthrene		8	98	10000	N
		Anthracene		8	29	1000000	N
		Fluoranthene		8	207	1000000	N
		Pyrene		8	229	1000000	N
		Benzo[a]anthracene		8	80	7000	N
		Chrysene		8	98	70000	N
		Benzo[b]fluoranthene		8	162	7000	N
		Benzo[k]fluoranthene		8	43	70000	N
		Benzo[a]pyrene		8	88	2000	N
		Dibenz[a,h]anthracene		8	17	700	N
		Benzo[g,h,i]perylene		8	80	1000000	N
		Indeno[1,2,3-cd]pyrene		8	104	7000	N
		2-Methylnaphthalene		8	33	700	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	QUANT	Result (µg/kg)	MCP S-1 Criteria (µg/kg)	Exceed MCP S-1 Criteria? Y/N
C-B82-DC-B-4	Soil	Naphthalene	U	8	U	4000	N
		Acenaphthylene	U	8	U	1000	N
		Acenaphthene	U	8	U	4000	N
		Fluorene	U	8	U	1000000	N
		Phenanthrene		8	11	10000	N
		Anthracene	U	8	U	1000000	N
		Fluoranthene		8	30	1000000	N
		Pyrene		8	26	1000000	N
		Benzo[a]anthracene		8	12	7000	N
		Chrysene		8	13	70000	N
		Benzo[b]fluoranthene		8	19	7000	N
		Benzo[k]fluoranthene	J	8	6.7	70000	N
		Benzo[a]pyrene		8	14	2000	N
		Dibenz[a,h]anthracene	U	8	U	700	N
		Benzo[g,h,i]perylene		8	11	1000000	N
		Indeno[1,2,3-cd]pyrene		8	14	7000	N
		2-Methylnaphthalene	U	8	U	700	N

U = Undetected , J = Estimated , NA = Non Applicable
Y = Exceeds MCP S-1 Criteria
N = Does Not Exceed MCP S-1 Criteria

Table 2-22
Building 82 Maintenance Action
Waste Characterization TPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	RESULT	Units	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N
WC-B82-GP-01	Soil	TPH	50	151	mg/kg	151	5000	N
		pH	NA	7.9	pH units	7.9	<2 OR >12.5	N
		Sulfide Reactivity	10	U	mg/kg	5	N/A	N
		Cyanide Reactivity	10	U	mg/kg	5	N/A	N
		Flashpoint	NA	>165	° F	>165	60	N
		TOC	1000	3100	mg/L	3100	N/A	N
		Conductance	5	7.1	umhos/cm	7.1	8000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL (mg/kg)	RESULT	Units	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N
WC-B82-DC-01	Soil	TPH	6.5	56	mg/kg	56	5000	N
		pH	NA	7.1	pH units	7.1	<2 OR >12.5	N
		Sulfide Reactivity	11	U	mg/kg	5.5	N/A	N
		Cyanide Reactivity	11	U	mg/kg	5.5	N/A	N
		Flashpoint	NA	>165	° F	>165	60	N
		TOC	3000	22000	mg/L	22000	N/A	N
		Conductance	100	530	umhos/cm	530	8000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	RESULT	Units	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N
WC-B82-APN-01	Soil	TPH	5.5	84	mg/kg	84	5000	N
		pH	NA	7.3	pH units	7.3	<2 OR >12.5	N
		Sulfide Reactivity	11	U	mg/kg	5.5	N/A	N
		Cyanide Reactivity	11	U	mg/kg	5.5	N/A	N
		Flashpoint	NA	>165	° F	>165	60	N
		TOC	3000	6700	mg/L	6700	N/A	N
		Conductance	100	110	umhos/cm	110	8000	N

Table 2-22
Building 82 Maintenance Action
Waste Characterization TPH Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL	RESULT	Units	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N
WC-B82-GTM-01	Soil	TPH	6	54	mg/kg	54	5000	N
		pH	NA	7.9	pH units	7.9	<2 OR >12.5	N
		Sulfide Reactivity	12	U	mg/kg	6	N/A	N
		Cyanide Reactivity	12	U	mg/kg	6	N/A	N
		Flashpoint	NA	>165	° F	>165	60	N
		TOC	3000	1300	mg/L	1300	N/A	N
		Conductance	100	150	umhos/cm	150	8000	N

SAMPLE ID	MATRIX	PARAMETER	QUAL	RESULT	Units	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N
WC-B82-GTM-02	Soil	TPH	5.5	72	mg/kg	72	5000	N
		pH	NA	8.0	pH units	8	<2 OR >12.5	N
		Sulfide Reactivity	11	U	mg/kg	5.5	N/A	N
		Cyanide Reactivity	10	U	mg/kg	5	N/A	N
		Flashpoint	NA	>165	° F	>165	60	N
		TOC	2100	1300	mg/L	1300	N/A	N
		Conductance	91	150	umhos/cm	150	8000	N

Table 2-23
Building 82 Maintenance Action
Waste Characterization VOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N	CAS NOS
WC-B82-DC-01	SOIL	1,1,1,2-Tetrachloroethane	161	U	0.0805			630-20-6
		1,1,1-Trichloroethane	161	U	0.0805			71-55-6
		1,1,2,2-Tetrachloroethane	121	U	0.0605			79-34-5
		1,1,2-Trichloroethane	121	U	0.0605			79-00-5
		1,1-Dichloroethane	161	U	0.0805			75-34-3
		1,1-Dichloroethene	121	U	0.0605			75-35-4
		1,1-Dichloropropene	161	U	0.0805			563-58-6
		1,2,3-Trichlorobenzene	161	U	0.0805			87-61-6
		1,2,3-Trichloropropane	161	U	0.0805			96-18-4
		1,2,4-Trichlorobenzene	161	U	0.0805			120-82-1
		1,2,4-Trimethylbenzene	161	U	0.0805			95-63-6
		1,2-Dibromo-3-chloropropane	161	U	0.0805			96-12-8
		1,2-Dibromoethane	121	U	0.0605			106-93-4
		1,2-Dichlorobenzene	161	U	0.0805			95-50-1
		1,2-Dichloroethane	121	U	0.0605			107-06-2
		1,2-Dichloropropane	121	U	0.0605			78-87-5
		1,3,5-Trimethylbenzene	161	U	0.0805			108-67-8
		1,3-Dichlorobenzene	161	U	0.0805			541-73-1
		1,3-Dichloropropane	161	U	0.0805			142-28-9
		1,4-Dichlorobenzene	161	U	0.0805			106-46-7
		2,2-Dichloropropane	161	U	0.0805			594-20-7
		2-Butanone	1610	U	0.805			78-93-3
		2-Chlorotoluene	161	U	0.0805			95-49-8
		2-Hexanone	1610	U	0.805			591-78-6
		4-Chlorotoluene	161	U	0.0805			106-43-4
		4-Methyl-2-pentanone	1610	U	0.805			108-10-1
		Acetone	1610	U	0.805			67-64-1
		Benzene	161	U	0.0805			71-43-2
		Bromobenzene	161	U	0.0805			108-86-1
		Bromochloromethane	161	U	0.0805			74-97-5
		Bromodichloromethane	121	U	0.0605			75-27-4
		Bromoform	121	U	0.0605			75-25-2
		Bromomethane	161	U	0.0805			74-83-9
		Carbon Disulfide	161	U	0.0805			75-15-0
		Carbon tetrachloride	161	U	0.0805			56-23-5
		Chlorobenzene	161	U	0.0805			108-90-7
		Chloroethane	161	U	0.0805			75-00-3
		Chloroform	121	U	0.0605			67-66-3
		Chloromethane	161	U	0.0805			74-87-3
		cis-1,2-Dichloroethene	161	U	0.0805			156-59-2
		cis-1,3-Dichloropropene	161	U	0.0805			10061-01-5
		Dibromochloromethane	121	U	0.0605			124-48-1
		Dibromomethane	161	U	0.0805			74-95-3
		Dichlorodifluoromethane	161	U	0.0805			75-71-8
		Ethylbenzene	161	U	0.0805			100-41-4
		Hexachlorobutadiene	161	U	0.0805			87-68-3
		Isopropl benzene	161	U	0.0805			98-82-8
		Methyl iodide	161	U	0.0805			74-88-4
		Methyl-t-butyl ether	121	U	0.0605			1634-04-4
		Methylene chloride	805	U	0.4025			75-09-2
		n-Butylbenzene	161	U	0.0805			104-51-8
		n-Propylbenzene	161	U	0.0805			103-65-1
		Naphthalene	161	U	0.0805			91-20-3
		o-Xylene	161	U	0.0805			95-47-6
		p,m-Xylene	161	U	0.0805			136777-61-2
		p-Isopropyltoluene	161	U	0.0805			99-87-6
		sec-Butylbenzene	161	U	0.0805			135-98-8
		Styrene	161	U	0.0805			100-42-5
		tert-Butylbenzene	161	U	0.0805			98-06-6
		Tetrachloroethene	161	U	0.0805			127-18-4
		Toluene	161	U	0.0805			108-88-3
		trans-1,2-Dichloroethene	161	U	0.0805			156-60-5
		trans-1,3-Dichloropropene	161	U	0.0805			10061-02-6
		Trichloroethene	161	U	0.0805			79-01-6
		Trichlorofluoromethane	161	U	0.0805			75-69-4
		Vinyl acetate	1210	U	0.605			108-05-4
		Vinyl chloride	161	U	0.0805			75-01-4
					8.918	10	N	

Table 2-23
Building 82 Maintenance Action
Waste Characterization VOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N	CAS NOS
WC-B82-APN-01	SOIL	1,1,1,2-Tetrachloroethane	146	U	0.073			630-20-6
		1,1,1-Trichloroethane	146	U	0.073			71-55-6
		1,1,2,2-Tetrachloroethane	110	U	0.055			79-34-5
		1,1,2-Trichloroethane	110	U	0.055			79-00-5
		1,1-Dichloroethane	146	U	0.073			75-34-3
		1,1-Dichloroethene	110	U	0.055			75-35-4
		1,1-Dichloropropene	146	U	0.073			563-58-6
		1,2,3-Trichlorobenzene	146	U	0.073			87-61-6
		1,2,3-Trichloropropane	146	U	0.073			96-18-4
		1,2,4-Trichlorobenzene	146	U	0.073			120-82-1
		1,2,4-Trimethylbenzene	146	U	0.073			95-63-6
		1,2-Dibromo-3-chloropropane	146	U	0.073			96-12-8
		1,2-Dibromoethane	110	U	0.055			106-93-4
		1,2-Dichlorobenzene	146	U	0.073			95-50-1
		1,2-Dichloroethane	110	U	0.055			107-06-2
		1,2-Dichloropropane	110	U	0.055			78-87-5
		1,3,5-Trimethylbenzene	146	U	0.073			108-67-8
		1,3-Dichlorobenzene	146	U	0.073			541-73-1
		1,3-Dichloropropane	146	U	0.073			142-28-9
		1,4-Dichlorobenzene	146	U	0.073			106-46-7
		2,2-Dichloropropane	146	U	0.073			594-20-7
		2-Butanone	1460	U	0.73			78-93-3
		2-Chlorotoluene	146	U	0.073			95-49-8
		2-Hexanone	1460	U	0.73			591-78-6
		4-Chlorotoluene	146	U	0.073			106-43-4
		4-Methyl-2-pentanone	1460	U	0.73			108-10-1
		Acetone	1460	U	0.73			67-64-1
		Benzene	146	U	0.073			71-43-2
		Bromobenzene	146	U	0.073			108-86-1
		Bromochloromethane	146	U	0.073			74-97-5
		Bromodichloromethane	110	U	0.055			75-27-4
		Bromoform	110	U	0.055			75-25-2
		Bromomethane	146	U	0.073			74-83-9
		Carbon Disulfide	146	U	0.073			75-15-0
		Carbon tetrachloride	146	U	0.073			56-23-5
		Chlorobenzene	146	U	0.073			108-90-7
		Chloroethane	146	U	0.073			75-00-3
		Chloroform	110	U	0.055			67-66-3
		Chloromethane	146	U	0.073			74-87-3
		cis-1,2-Dichloroethene	146	U	0.073			156-59-2
		cis-1,3-Dichloropropene	146	U	0.073			10061-01-5
		Dibromochloromethane	110	U	0.055			124-48-1
		Dibromomethane	146	U	0.073			74-95-3
		Dichlorodifluoromethane	146	U	0.073			75-71-8
		Ethylbenzene	146	U	0.073			100-41-4
		Hexachlorobutadiene	146	U	0.073			87-68-3
		Isopropl benzene	146	U	0.073			98-82-8
		Methyl iodide	146	U	0.073			74-88-4
		Methyl-t-butyl ether	110	U	0.055			1634-04-4
		Methylene chloride	732	U	0.366			75-09-2
		n-Butylbenzene	146	U	0.073			104-51-8
		n-Propylbenzene	146	U	0.073			103-65-1
		Naphthalene	146	U	0.073			91-20-3
		o-Xylene	146	U	0.073			95-47-6
		p,m-Xylene	146	U	0.073			136777-61-2
		p-Isopropyltoluene	146	U	0.073			99-87-6
		sec-Butylbenzene	146	U	0.073			135-98-8
		Styrene	146	U	0.073			100-42-5
		tert-Butylbenzene	146	U	0.073			98-06-6
		Tetrachloroethene	146	U	0.073			127-18-4
		Toluene	146	U	0.073			108-88-3
		trans-1,2-Dichloroethene	146	U	0.073			156-60-5
		trans-1,3-Dichloropropene	146	U	0.073			10061-02-6
		Trichloroethene	146	U	0.073			79-01-6
		Trichlorofluoromethane	146	U	0.073			75-69-4
		Vinyl acetate	1100	U	0.55			108-05-4
		Vinyl chloride	146	U	0.073			75-01-4
					8.091	10	N	

Table 2-23
Building 82 Maintenance Action
Waste Characterization VOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N	CAS NOS
WC-B82-GTM-01	SOIL	1,1,1,2-Tetrachloroethane	122	U	0.061			630-20-6
		1,1,1-Trichloroethane	122	U	0.061			71-55-6
		1,1,2,2-Tetrachloroethane	92	U	0.046			79-34-5
		1,1,2-Trichloroethane	92	U	0.046			79-00-5
		1,1-Dichloroethane	122	U	0.061			75-34-3
		1,1-Dichloroethene	92	U	0.046			75-35-4
		1,1-Dichloropropene	122	U	0.061			563-58-6
		1,2,3-Trichlorobenzene	122	U	0.061			87-61-6
		1,2,3-Trichloropropane	122	U	0.061			96-18-4
		1,2,4-Trichlorobenzene	122	U	0.061			120-82-1
		1,2,4-Trimethylbenzene	122	U	0.061			95-63-6
		1,2-Dibromo-3-chloropropane	122	U	0.061			96-12-8
		1,2-Dibromoethane	92	U	0.046			106-93-4
		1,2-Dichlorobenzene	122	U	0.061			95-50-1
		1,2-Dichloroethane	92	U	0.046			107-06-2
		1,2-Dichloropropane	92	U	0.046			78-87-5
		1,3,5-Trimethylbenzene	122	U	0.061			108-67-8
		1,3-Dichlorobenzene	122	U	0.061			541-73-1
		1,3-Dichloropropane	122	U	0.061			142-28-9
		1,4-Dichlorobenzene	122	U	0.061			106-46-7
		2,2-Dichloropropane	122	U	0.061			594-20-7
		2-Butanone	1220	U	0.61			78-93-3
		2-Chlorotoluene	122	U	0.061			95-49-8
		2-Hexanone	1220	U	0.61			591-78-6
		4-Chlorotoluene	122	U	0.061			106-43-4
		4-Methyl-2-pentanone	1220	U	0.61			108-10-1
		Acetone	1220	U	0.61			67-64-1
		Benzene	122	U	0.061			71-43-2
		Bromobenzene	122	U	0.061			108-86-1
		Bromochloromethane	122	U	0.061			74-97-5
		Bromodichloromethane	92	U	0.046			75-27-4
		Bromoform	92	U	0.046			75-25-2
		Bromomethane	122	U	0.061			74-83-9
		Carbon Disulfide	122	U	0.061			75-15-0
		Carbon tetrachloride	122	U	0.061			56-23-5
		Chlorobenzene	122	U	0.061			108-90-7
		Chloroethane	122	U	0.061			75-00-3
		Chloroform	92	U	0.046			67-66-3
		Chloromethane	122	U	0.061			74-87-3
		cis-1,2-Dichloroethene	122	U	0.061			156-59-2
		cis-1,3-Dichloropropene	122	U	0.061			10061-01-5
		Dibromochloromethane	92	U	0.046			124-48-1
		Dibromomethane	122	U	0.061			74-95-3
		Dichlorodifluoromethane	122	U	0.061			75-71-8
		Ethylbenzene	122	U	0.061			100-41-4
		Hexachlorobutadiene	122	U	0.061			87-68-3
		Isopropl benzene	122	U	0.061			98-82-8
		Methyl iodide	122	U	0.061			74-88-4
		Methyl-t-butyl ether	92	U	0.046			1634-04-4
		Methylene chloride	612	U	0.306			75-09-2
		n-Butylbenzene	122	U	0.061			104-51-8
		n-Propylbenzene	122	U	0.061			103-65-1
		Naphthalene	122	U	0.061			91-20-3
		o-Xylene	122	U	0.061			95-47-6
		p,m-Xylene	122	U	0.061			136777-61-2
		p-Isopropyltoluene	122	U	0.061			99-87-6
		sec-Butylbenzene	122	U	0.061			135-98-8
		Styrene	122	U	0.061			100-42-5
		tert-Butylbenzene	122	U	0.061			98-06-6
		Tetrachloroethene	122	U	0.061			127-18-4
		Toluene	122	U	0.061			108-88-3
		trans-1,2-Dichloroethene	122	U	0.061			156-60-5
		trans-1,3-Dichloropropene	122	U	0.061			10061-02-6
		Trichloroethene	122	U	0.061			79-01-6
		Trichlorofluoromethane	122	U	0.061			75-69-4
		Vinyl acetate	918	U	0.459			108-05-4
		Vinyl chloride	122	U	0.061			75-01-4
					6.761	10	N	

Table 2-23
Building 82 Maintenance Action
Waste Characterization VOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	Result (µg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N	CAS NOS
WC-B82-GTM-02	SOIL	1,1,1,2-Tetrachloroethane	115	U	0.0575			630-20-6
		1,1,1-Trichloroethane	115	U	0.0575			71-55-6
		1,1,2,2-Tetrachloroethane	86	U	0.043			79-34-5
		1,1,2-Trichloroethane	86	U	0.043			79-00-5
		1,1-Dichloroethane	115	U	0.0575			75-34-3
		1,1-Dichloroethene	86	U	0.043			75-35-4
		1,1-Dichloropropene	115	U	0.0575			563-58-6
		1,2,3-Trichlorobenzene	115	U	0.0575			87-61-6
		1,2,3-Trichloropropane	115	U	0.0575			96-18-4
		1,2,4-Trichlorobenzene	115	U	0.0575			120-82-1
		1,2,4-Trimethylbenzene	115	U	0.0575			95-63-6
		1,2-Dibromo-3-chloropropane	115	U	0.0575			96-12-8
		1,2-Dibromoethane	86	U	0.043			106-93-4
		1,2-Dichlorobenzene	115	U	0.0575			95-50-1
		1,2-Dichloroethane	86	U	0.043			107-06-2
		1,2-Dichloropropane	86	U	0.043			78-87-5
		1,3,5-Trimethylbenzene	115	U	0.0575			108-67-8
		1,3-Dichlorobenzene	115	U	0.0575			541-73-1
		1,3-Dichloropropane	115	U	0.0575			142-28-9
		1,4-Dichlorobenzene	115	U	0.0575			106-46-7
		2,2-Dichloropropane	115	U	0.0575			594-20-7
		2-Butanone	1150	U	0.575			78-93-3
		2-Chlorotoluene	115	U	0.0575			95-49-8
		2-Hexanone	1150	U	0.575			591-78-6
		4-Chlorotoluene	115	U	0.0575			106-43-4
		4-Methyl-2-pentanone	1150	U	0.575			108-10-1
		Acetone	1150	U	0.575			67-64-1
		Benzene	115	U	0.0575			71-43-2
		Bromobenzene	115	U	0.0575			108-86-1
		Bromochloromethane	115	U	0.0575			74-97-5
		Bromodichloromethane	86	U	0.043			75-27-4
		Bromoform	86	U	0.043			75-25-2
		Bromomethane	115	U	0.0575			74-83-9
		Carbon Disulfide	115	U	0.0575			75-15-0
		Carbon tetrachloride	115	U	0.0575			56-23-5
		Chlorobenzene	115	U	0.0575			108-90-7
		Chloroethane	115	U	0.0575			75-00-3
		Chloroform	86	U	0.043			67-66-3
		Chloromethane	115	U	0.0575			74-87-3
		cis-1,2-Dichloroethene	115	U	0.0575			156-59-2
		cis-1,3-Dichloropropene	115	U	0.0575			10061-01-5
		Dibromochloromethane	86	U	0.043			124-48-1
		Dibromomethane	115	U	0.0575			74-95-3
		Dichlorodifluoromethane	115	U	0.0575			75-71-8
		Ethylbenzene	115	U	0.0575			100-41-4
		Hexachlorobutadiene	115	U	0.0575			87-68-3
		Isopropl benzene	115	U	0.0575			98-82-8
		Methyl iodide	115	U	0.0575			74-88-4
		Methyl-t-butyl ether	86	U	0.043			1634-04-4
		Methylene chloride	573	U	0.2865			75-09-2
		n-Butylbenzene	115	U	0.0575			104-51-8
		n-Propylbenzene	115	U	0.0575			103-65-1
		Naphthalene	115	U	0.0575			91-20-3
		o-Xylene	115	U	0.0575			95-47-6
		p,m-Xylene	115	U	0.0575			136777-61-2
		p-Isopropyltoluene	115	U	0.0575			99-87-6
		sec-Butylbenzene	115	U	0.0575			135-98-8
		Styrene	115	U	0.0575			100-42-5
		tert-Butylbenzene	115	U	0.0575			98-06-6
		Tetrachloroethene	115	U	0.0575			127-18-4
		Toluene	115	U	0.0575			108-88-3
		trans-1,2-Dichloroethene	115	U	0.0575			156-60-5
		trans-1,3-Dichloropropene	115	U	0.0575			10061-02-6
		Trichloroethene	115	U	0.0575			79-01-6
		Trichlorofluoromethane	115	U	0.0575			75-69-4
		Vinyl acetate	860	U	0.43			108-05-4
		Vinyl chloride	115	U	0.0575			75-01-4
					6.3645	10	N	

Table 2-24
Building 82 Maintenance Action -
Waste Characterization SVOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	RESULT (µg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N	CAS NOS
WC-B82-GP-01	Soil	Acenaphthene	2	U	0.001			108-95-2
		Acenaphthylene	2	U	0.001			111-44-4
		Anthracene	2	U	0.001			95-57-8
		Benz[a]anthracene	2	U	0.001			541-73-1
		Benzo[b]fluoranthene	2	U	0.001			106-46-7
		Benzo[k]fluoranthene	2	U	0.001			95-50-1
		Benzo(g,h,i)perylene	2	U	0.001			95-48-7
		Benzo[a]pyrene	2	U	0.001			108-60-1
		Bis(2-chloroethoxy)methane	2	U	0.001			106-44-5
		bis(2-chloroethyl) ether	2	U	0.001			621-64-7
		bis(2-chloroisopropyl)ether	2	U	0.001			67-72-1
		Bis(2-ethylhexyl) phthalate	2	1	0.001			98-95-3
		4-Bromophenyl phenyl ether	2	U	0.001			78-59-1
		Butylbenzyl phthalate	2	U	0.001			88-75-5
		4-Chloroaniline	2	U	0.001			105-67-9
		2-Chloronaphthalene	2	U	0.001			120-83-2
		2-Chlorophenol	5	U	0.0025			120-82-1
		Chrysene	2	U	0.001			91-20-3
		Dibenz[a,h]anthracene	2	U	0.001			106-47-8
		Dibenzofuran	2	U	0.001			111-91-1
		Di-n-butyl phthalate	2	U	0.001			87-68-3
		1,2-Dichlorobenzene	2	U	0.001			59-50-7
		1,3-Dichlorobenzene	2	U	0.001			91-57-6
		1,4-Dichlorobenzene	2	U	0.001			77-47-4
		3,3'-Dichlorobenzidine	20	U	0.01			88-06-2
		2,4-Dichlorophenol	5	U	0.0025			95-95-4
		Diethyl Phthalate	2	U	0.001			91-58-7
		2,4-Dimethylphenol	5	U	0.0025			88-74-4
		Dimethyl Phthalate	2	U	0.001			131-11-3
		Aniline	2	U	0.001			208-96-8
		2,4-Dinitrophenol	5	U	0.0025			606-20-2
		2,4-Dinitrotoluene	2	U	0.001			99-09-2
		2,6-Dinitrotoluene	2	U	0.001			83-32-9
		di-n-octyl-phthalate	2	U	0.001			51-28-5
		Fluoranthene	2	U	0.001			100-02-7
		Fluorene	2	U	0.001			132-64-9
		Hexachlorobenzene	2	U	0.001			121-14-2
		Hexachlorobutadiene	2	U	0.001			84-66-2
		Hexachloroethane	2	U	0.001			7005-72-3
		Indeno[1,2,3-cd]pyrene	2	U	0.001			86-73-7
		Isophorone	2	U	0.001			100-01-6
		2-Methylnaphthalene	2	U	0.001			534-52-1
		o-cresol	5	U	0.0025			86-30-6
		m&p-cresols	5	U	0.0025			101-55-3
		Naphthalene	2	U	0.001			118-74-1
		Nitrobenzene	2	U	0.001			87-86-5
		2-Nitrophenol	5	U	0.0025			85-01-8
		4-Nitrophenol	5	U	0.0025			120-12-7
		Pentachlorophenol	10	U	0.005			86-74-8
		Phenanthrene	2	U	0.001			84-74-2
		Phenol	5	U	0.0025			206-44-0
		Pyrene	2	U	0.001			129-00-0
		1,2,4-Trichlorobenzene	2	U	0.001			85-68-7
		2,4,5-Trichlorophenol	5	U	0.0025			91-94-1
		2,4,6-Trichlorophenol	5	U	0.0025			56-55-3
		Acetophenone	5	U	0.0025			218-01-9
		Azobenzene	2	U	0.001			117-81-7
					0.088	100	N	

Table 2-24
Building 82 Maintenance Action -
Waste Characterization SVOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	RESULT (µg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N	CAS NOS
WC-B82-GTM-01	Soil	Acenaphthene	320	U	0.16			108-95-2
		Acenaphthylene	320	U	0.16			111-44-4
		Anthracene	320	U	0.16			95-57-8
		Benz[a]anthracene	320	U	0.16			541-73-1
		Benzo[b]fluoranthene	320	U	0.16			106-46-7
		Benzo[k]fluoranthene	320	U	0.16			95-50-1
		Benzo(g,h,i)perylene	320	U	0.16			95-48-7
		Benzo[a]pyrene	320	U	0.16			108-60-1
		Bis(2-chloroethoxy)methane	600	U	0.3			106-44-5
		bis(2-chloroethyl) ether	420	U	0.21			621-64-7
		bis(2-chloroisopropyl)ether	420	U	0.21			67-72-1
		Bis(2-ethylhexyl) phthalate	600	U	0.3			98-95-3
		4-Bromophenyl phenyl ether	600	U	0.3			78-59-1
		Butylbenzyl phthalate	600	U	0.3			88-75-5
		4-Chloroaniline	600	U	0.3			105-67-9
		2-Chloronaphthalene	320	U	0.16			120-83-2
		2-Chlorophenol	420	U	0.21			120-82-1
		Chrysene	320	U	0.16			91-20-3
		Dibenz[a,h]anthracene	320	U	0.16			106-47-8
		Dibenzofuran	320	U	0.16			111-91-1
		Di-n-butyl phthalate	600	U	0.3			87-68-3
		1,2-Dichlorobenzene	600	U	0.3			59-50-7
		1,3-Dichlorobenzene	600	U	0.3			91-57-6
		1,4-Dichlorobenzene	420	U	0.21			77-47-4
		3,3'-Dichlorobenzidine	600	U	0.3			88-06-2
		2,4-Dichlorophenol	420	U	0.21			95-95-4
		Diethyl Phthalate	600	U	0.3			91-58-7
		2,4-Dimethylphenol	420	U	0.21			88-74-4
		Dimethyl Phthalate	600	U	0.3			131-11-3
		Aniline	600	U	0.3			208-96-8
		2,4-Dinitrophenol	840	U	0.42			606-20-2
		2,4-Dinitrotoluene	420	U	0.21			99-09-2
		2,6-Dinitrotoluene	600	U	0.3			83-32-9
		di-n-octyl-phthalate	600	U	0.3			51-28-5
		Fluoranthene	320	U	0.16			100-02-7
		Fluorene	320	U	0.16			132-64-9
		Hexachlorobenzene	420	U	0.21			121-14-2
		Hexachlorobutadiene	600	U	0.3			84-66-2
		Hexachloroethane	420	U	0.21			7005-72-3
		Indeno[1,2,3-cd]pyrene	320	U	0.16			86-73-7
		Isophorone	600	U	0.3			100-01-6
		2-Methylnaphthalene	320	U	0.16			534-52-1
		o-cresol	840	U	0.42			86-30-6
		m&p-cresols	840	U	0.42			101-55-3
		Naphthalene	320	U	0.16			118-74-1
		Nitrobenzene	600	U	0.3			87-86-5
		2-Nitrophenol	840	U	0.42			85-01-8
		4-Nitrophenol	840	U	0.42			120-12-7
		Pentachlorophenol	840	U	0.42			86-74-8
		Phenanthrene	320	U	0.16			84-74-2
		Phenol	840	U	0.42			206-44-0
		Pyrene	320	167	0.167			129-00-0
		1,2,4-Trichlorobenzene	600	U	0.3			85-68-7
		2,4,5-Trichlorophenol	600	U	0.3			91-94-1
		2,4,6-Trichlorophenol	420	U	0.21			56-55-3
		Acetophenone	600	U	0.3			218-01-9
		Azobenzene	600	U	0.3			117-81-7
					14.387	100	N	

Table 2-24
Building 82 Maintenance Action -
Waste Characterization SVOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	RESULT (µg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N	CAS NOS
WC-B82-GTM-02	Soil	Acenaphthene	290	U	0.145			108-95-2
		Acenaphthylene	290	U	0.145			111-44-4
		Anthracene	290	U	0.145			95-57-8
		Benz[a]anthracene	290	U	0.145			541-73-1
		Benzo[b]fluoranthene	290	U	0.145			106-46-7
		Benzo[k]fluoranthene	290	U	0.145			95-50-1
		Benzo(g,h,i)perylene	290	U	0.145			95-48-7
		Benzo[a]pyrene	290	U	0.145			108-60-1
		Bis(2-chloroethoxy)methane	540	U	0.27			106-44-5
		bis(2-chloroethyl) ether	380	U	0.19			621-64-7
		bis(2-chloroisopropyl)ether	380	U	0.19			67-72-1
		Bis(2-ethylhexyl) phthalate	540	U	0.27			98-95-3
		4-Bromophenyl phenyl ether	540	U	0.27			78-59-1
		Butylbenzyl phthalate	540	U	0.27			88-75-5
		4-Chloroaniline	540	U	0.27			105-67-9
		2-Chloronaphthalene	290	U	0.145			120-83-2
		2-Chlorophenol	380	U	0.19			120-82-1
		Chrysene	290	U	0.145			91-20-3
		Dibenz[a,h]anthracene	290	U	0.145			106-47-8
		Dibenzofuran	290	U	0.145			111-91-1
		Di-n-butyl phthalate	540	U	0.27			87-68-3
		1,2-Dichlorobenzene	540	U	0.27			59-50-7
		1,3-Dichlorobenzene	540	U	0.27			91-57-6
		1,4-Dichlorobenzene	380	U	0.19			77-47-4
		3,3'-Dichlorobenzidine	540	U	0.27			88-06-2
		2,4-Dichlorophenol	380	U	0.19			95-95-4
		Diethyl Phthalate	540	U	0.27			91-58-7
		2,4-Dimethylphenol	380	U	0.19			88-74-4
		Dimethyl Phthalate	540	U	0.27			131-11-3
		Aniline	540	U	0.27			208-96-8
		2,4-Dinitrophenol	760	U	0.38			606-20-2
		2,4-Dinitrotoluene	380	U	0.19			99-09-2
		2,6-Dinitrotoluene	540	U	0.27			83-32-9
		di-n-octyl-phthalate	540	U	0.27			51-28-5
		Fluoranthene	290	U	0.145			100-02-7
		Fluorene	290	U	0.145			132-64-9
		Hexachlorobenzene	380	U	0.19			121-14-2
		Hexachlorobutadiene	540	U	0.27			84-66-2
		Hexachloroethane	380	U	0.19			7005-72-3
		Indeno[1,2,3-cd]pyrene	290	U	0.145			86-73-7
		Isophorone	540	U	0.27			100-01-6
		2-Methylnaphthalene	290	U	0.145			534-52-1
		o-cresol	760	U	0.38			86-30-6
		m&p-cresols	760	U	0.38			101-55-3
		Naphthalene	290	U	0.145			118-74-1
		Nitrobenzene	540	U	0.27			87-86-5
		2-Nitrophenol	760	U	0.38			85-01-8
		4-Nitrophenol	760	U	0.38			120-12-7
		Pentachlorophenol	760	U	0.38			86-74-8
		Phenanthrene	290	149	0.149			84-74-2
		Phenol	760	U	0.38			206-44-0
		Pyrene	290	U	0.145			129-00-0
		1,2,4-Trichlorobenzene	540	U	0.27			85-68-7
		2,4,5-Trichlorophenol	540	U	0.27			91-94-1
		2,4,6-Trichlorophenol	380	U	0.19			56-55-3
		Acetophenone	540	U	0.27			218-01-9
		Azobenzene	540	U	0.27			117-81-7
					12.989	100	N	

Table 2-24
Building 82 Maintenance Action -
Waste Characterization SVOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	RESULT (µg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N	CAS NOS
WC-B82-APN-01	Soil	Acenaphthene	290	U	0.145			108-95-2
		Acenaphthylene	290	U	0.145			111-44-4
		Anthracene	290	U	0.145			95-57-8
		Benz[a]anthracene	290	U	0.145			541-73-1
		Benzo[b]fluoranthene	290	U	0.145			106-46-7
		Benzo[k]fluoranthene	290	U	0.145			95-50-1
		Benzo(g,h,i)perylene	290	U	0.145			95-48-7
		Benzo[a]pyrene	290	U	0.145			108-60-1
		Bis(2-chloroethoxy)methane	540	U	0.27			106-44-5
		bis(2-chloroethyl) ether	380	U	0.19			621-64-7
		bis(2-chloroisopropyl)ether	380	U	0.19			67-72-1
		Bis(2-ethylhexyl) phthalate	540	U	0.27			98-95-3
		4-Bromophenyl phenyl ether	540	U	0.27			78-59-1
		Butylbenzyl phthalate	540	U	0.27			88-75-5
		4-Chloroaniline	540	U	0.27			105-67-9
		2-Chloronaphthalene	290	U	0.145			120-83-2
		2-Chlorophenol	380	U	0.19			120-82-1
		Chrysene	290	U	0.145			91-20-3
		Dibenz[a,h]anthracene	290	U	0.145			106-47-8
		Dibenzofuran	290	U	0.145			111-91-1
		Di-n-butyl phthalate	540	U	0.27			87-68-3
		1,2-Dichlorobenzene	540	U	0.27			59-50-7
		1,3-Dichlorobenzene	540	U	0.27			91-57-6
		1,4-Dichlorobenzene	380	U	0.19			77-47-4
		3,3'-Dichlorobenzidine	540	U	0.27			88-06-2
		2,4-Dichlorophenol	380	U	0.19			95-95-4
		Diethyl Phthalate	540	U	0.27			91-58-7
		2,4-Dimethylphenol	380	U	0.19			88-74-4
		Dimethyl Phthalate	540	U	0.27			131-11-3
		Aniline	540	U	0.27			208-96-8
		2,4-Dinitrophenol	760	U	0.38			606-20-2
		2,4-Dinitrotoluene	380	U	0.19			99-09-2
		2,6-Dinitrotoluene	540	U	0.27			83-32-9
		di-n-octyl-phthalate	540	U	0.27			51-28-5
		Fluoranthene	290	U	0.145			100-02-7
		Fluorene	290	U	0.145			132-64-9
		Hexachlorobenzene	380	U	0.19			121-14-2
		Hexachlorobutadiene	540	U	0.27			84-66-2
		Hexachloroethane	380	U	0.19			7005-72-3
		Indeno[1,2,3-cd]pyrene	290	U	0.145			86-73-7
		Isophorone	540	U	0.27			100-01-6
		2-Methylnaphthalene	290	U	0.145			534-52-1
		o-cresol	760	U	0.38			86-30-6
		m&p-cresols	760	U	0.38			101-55-3
		Naphthalene	290	U	0.145			118-74-1
		Nitrobenzene	540	U	0.27			87-86-5
		2-Nitrophenol	760	U	0.38			85-01-8
		4-Nitrophenol	760	U	0.38			120-12-7
		Pentachlorophenol	760	U	0.38			86-74-8
		Phenanthrene	290	U	0.145			84-74-2
		Phenol	760	U	0.38			206-44-0
		Pyrene	290	U	0.145			129-00-0
		1,2,4-Trichlorobenzene	540	U	0.27			85-68-7
		2,4,5-Trichlorophenol	540	U	0.27			91-94-1
		2,4,6-Trichlorophenol	380	U	0.19			56-55-3
		Acetophenone	540	U	0.27			218-01-9
		Azobenzene	540	U	0.27			117-81-7
					12.985	100	N	

Table 2-24
Building 82 Maintenance Action -
Waste Characterization SVOC Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	RESULT (µg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N	CAS NOS
WC-B82-DC-01	Soil	Acenaphthene	330	U	0.165			108-95-2
		Acenaphthylene	330	U	0.165			111-44-4
		Anthracene	330	U	0.165			95-57-8
		Benz[a]anthracene	330	U	0.165			541-73-1
		Benzo[b]fluoranthene	330	218	0.218			106-46-7
		Benzo[k]fluoranthene	330	U	0.165			95-50-1
		Benzo(g,h,i)perylene	330	U	0.165			95-48-7
		Benzo[a]pyrene	330	U	0.165			108-60-1
		Bis(2-chloroethoxy)methane	620	U	0.31			106-44-5
		bis(2-chloroethyl) ether	440	U	0.22			621-64-7
		bis(2-chloroisopropyl)ether	440	U	0.22			67-72-1
		Bis(2-ethylhexyl) phthalate	620	U	0.31			98-95-3
		4-Bromophenyl phenyl ether	620	U	0.31			78-59-1
		Butylbenzyl phthalate	620	U	0.31			88-75-5
		4-Chloroaniline	620	U	0.31			105-67-9
		2-Chloronaphthalene	330	U	0.165			120-83-2
		2-Chlorophenol	440	U	0.22			120-82-1
		Chrysene	330	171	0.171			91-20-3
		Dibenz[a,h]anthracene	330	U	0.165			106-47-8
		Dibenzofuran	330	U	0.165			111-91-1
		Di-n-butyl phthalate	620	U	0.31			87-68-3
		1,2-Dichlorobenzene	620	U	0.31			59-50-7
		1,3-Dichlorobenzene	620	U	0.31			91-57-6
		1,4-Dichlorobenzene	440	U	0.22			77-47-4
		3,3'-Dichlorobenzidine	620	U	0.31			88-06-2
		2,4-Dichlorophenol	440	U	0.22			95-95-4
		Diethyl Phthalate	620	U	0.31			91-58-7
		2,4-Dimethylphenol	440	U	0.22			88-74-4
		Dimethyl Phthalate	620	U	0.31			131-11-3
		Aniline	620	U	0.31			208-96-8
		2,4-Dinitrophenol	870	U	0.435			606-20-2
		2,4-Dinitrotoluene	440	U	0.22			99-09-2
		2,6-Dinitrotoluene	620	U	0.31			83-32-9
		di-n-octyl-phthalate	620	U	0.31			51-28-5
		Fluoranthene	330	379	0.379			100-02-7
		Fluorene	330	U	0.165			132-64-9
		Hexachlorobenzene	440	U	0.22			121-14-2
		Hexachlorobutadiene	620	U	0.31			84-66-2
		Hexachloroethane	440	U	0.22			7005-72-3
		Indeno[1,2,3-cd]pyrene	330	U	0.165			86-73-7
		Isophorone	620	U	0.31			100-01-6
		2-Methylnaphthalene	330	U	0.165			534-52-1
		o-cresol	870	U	0.435			86-30-6
		m&p-cresols	870	U	0.435			101-55-3
		Naphthalene	330	U	0.165			118-74-1
		Nitrobenzene	620	U	0.31			87-86-5
		2-Nitrophenol	870	U	0.435			85-01-8
		4-Nitrophenol	870	U	0.435			120-12-7
		Pentachlorophenol	870	U	0.435			86-74-8
		Phenanthrene	330	310	0.31			84-74-2
		Phenol	870	U	0.435			206-44-0
		Pyrene	330	368	0.368			129-00-0
		1,2,4-Trichlorobenzene	620	U	0.31			85-68-7
		2,4,5-Trichlorophenol	620	U	0.31			91-94-1
		2,4,6-Trichlorophenol	440	U	0.22			56-55-3
		Acetophenone	620	U	0.31			218-01-9
		Azobenzene	620	U	0.31			117-81-7
					15.511	100	N	

Table 2-25
Building 82 Maintenance Action -
Waste Characterization Metals Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAT (mg/kg)	RESULT (mg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N	CAS NOS
WC-B82-GP-01	Soil	Arsenic	20	U	10	40	N	7440-36-0
		Barium	10	43	43	NA	NA	7440-39-3
		Cadmium	5	U	2.5	80	N	7440-43-9
		Chromium	10	21	21	1000	N	7440-47-3
		Lead	10	23	23	2000	N	7439-92-1
		Mercury	0.023	0.78	0.78	10	N	7439-97-6
		Selenium	20	U	10	NA	NA	7782-49-2
		Silver	10	U	5	NA	NA	7440-22-4

SAMPLE ID	MATRIX	PARAMETER	QUAT (mg/kg)	RESULT (mg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N	CAS NOS
WC-B82-GTM-03	Soil	Arsenic	2.4	3.1	3.1	40	N	7440-36-0
		Barium	1.2	170	170	NA	NA	7440-39-3
		Cadmium	0.59	19	19	80	N	7440-43-9
		Chromium	1.2	390	390	1000	N	7440-47-3
		Lead	1.2	1100	1100	2000	N	7439-92-1
		Mercury	0.2	U	0.1	10	N	7439-97-6
		Selenium	3	U	1.5	NA	NA	7782-49-2
		Silver	1.2	6.7	6.7	NA	NA	7440-22-4

SAMPLE ID	MATRIX	PARAMETER	QUAT (mg/kg)	RESULT (mg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N	CAS NOS
WC-B82-DC-01	Soil	Arsenic	2.3	2.1	2.1	40	N	7440-36-0
		Barium	1.2	17	17	NA	NA	7440-39-3
		Cadmium	0.58	U	0.29	80	N	7440-43-9
		Chromium	1.2	6.8	6.8	1000	N	7440-47-3
		Lead	1.2	16	16	2000	N	7439-92-1
		Mercury	0.023	0.025	0.025	10	N	7439-97-6
		Selenium	2.9	U	1.45	NA	NA	7782-49-2
		Silver	1.2	U	0.6	NA	NA	7440-22-4

SAMPLE ID	MATRIX	PARAMETER	QUAT (mg/kg)	RESULT (mg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N	CAS NOS
WC-B82-APN-01	Soil	Arsenic	2.2	0.7	0.7	40	N	7440-36-0
		Barium	1.1	14	14	NA	NA	7440-39-3
		Cadmium	0.55	U	0.275	80	N	7440-43-9
		Chromium	1.1	4.5	4.5	1000	N	7440-47-3
		Lead	1.1	4.9	4.9	2000	N	7439-92-1
		Mercury	0.0088	U	0.0044	10	N	7439-97-6
		Selenium	1.1	U	0.55	NA	NA	7782-49-2
		Silver	0.11	U	0.055	NA	NA	7440-22-4

Table 2-25
Building 82 Maintenance Action -
Waste Characterization Metals Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAT (mg/kg)	RESULT (mg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N	CAS NOS
WC-B82-GTM-01	Soil	Arsenic	2	U	1	40	N	7440-36-0
		Barium	1	11	11	NA	NA	7440-39-3
		Cadmium	0.51	0.1	0.1	80	N	7440-43-9
		Chromium	1	4.3	4.3	1000	N	7440-47-3
		Lead	1	5.7	5.7	2000	N	7439-92-1
		Mercury	0.0086	U	0.0043	10	N	7439-97-6
		Selenium	1	U	0.5	NA	NA	7782-49-2
		Silver	0.098	U	0.049	NA	NA	7440-22-4

SAMPLE ID	MATRIX	PARAMETER	QUAT (mg/kg)	RESULT (mg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N	CAS NOS
WC-B82-GTM-02	Soil	Arsenic	2.1	0.98	0.98	40	N	7440-36-0
		Barium	1.1	14	14	NA	NA	7440-39-3
		Cadmium	0.54	0.11	0.11	80	N	7440-43-9
		Chromium	1.1	6.3	6.3	1000	N	7440-47-3
		Lead	1.1	300	300	2000	N	7439-92-1
		Mercury	0.02	U	0.01	10	N	7439-97-6
		Selenium	2.7	U	1.35	NA	NA	7782-49-2
		Silver	1.1	U	0.55	NA	NA	7440-22-4

Table 2-26
Building 82 - Maintenance Ation
Waste Characterization Pesticides Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	Reporting Limit (µg/kg)	Result (µg/kg)
WC-B82-DC-01	Soil	Aldrin	6	U
		a-BHC	6	U
		b-BHC	6	U
		d-BHC	6	U
		g-BHC	6	U
		g-Chlordane	6	U
		a-Chlordane	6	U
		4,4'-DDD	6	U
		4,4'-DDE	6	U
		4,4'-DDT	6	U
		Endrin Ketone	6	U
		Dieldrin	6	U
		Endosulfan I	6	U
		Endosulfan II	6	U
		Endosulfan Sulfate	6	U
		Endrin	6	U
		Endrin Aldehyde	6	U
		Heptachlor	6	U
		Heptachlor Epoxide	6	U
		Toxaphene	95	U
		Methoxychlor	18	U

SAMPLE ID	MATRIX	PARAMETER	Reporting Limit (µg/kg)	Result (µg/kg)
WC-B82-APN-01	Soil	Aldrin	5.5	U
		a-BHC	5.5	U
		b-BHC	5.5	U
		d-BHC	5.5	U
		g-BHC	5.5	U
		g-Chlordane	5.5	U
		a-Chlordane	5.5	U
		4,4'-DDD	5.5	U
		4,4'-DDE	5.5	U
		4,4'-DDT	5.5	U
		Endrin Ketone	5.5	U
		Dieldrin	5.5	U
		Endosulfan I	5.5	U
		Endosulfan II	5.5	U
		Endosulfan Sulfate	5.5	U
		Endrin	5.5	U
		Endrin Aldehyde	5.5	U
		Heptachlor	5.5	U
		Heptachlor Epoxide	5.5	U
		Toxaphene	73	U
		Methoxychlor	17	U

Table 2-26
Building 82 - Maintenance Ation
Waste Characterization Pesticides Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	Reporting Limit (µg/kg)	Result (µg/kg)
WC-B82-GTM-01	Soil	Aldrin	7	U
		a-BHC	7	U
		b-BHC	7	U
		d-BHC	7	U
		g-BHC	7	U
		g-Chlordane	7	U
		a-Chlordane	7	U
		4,4'-DDD	7	U
		4,4'-DDE	7	U
		4,4'-DDT	7	U
		Endrin Ketone	7	U
		Dieldrin	7	U
		Endosulfan I	7	U
		Endosulfan II	7	U
		Endosulfan Sulfate	7	U
		Endrin	7	U
		Endrin Aldehyde	7	U
		Heptachlor	7	U
		Heptachlor Epoxide	7	U
		Toxaphene	79	U
		Methoxychlor	22	U

SAMPLE ID	MATRIX	PARAMETER	Reporting Limit (µg/kg)	Result (µg/kg)
WC-B82-GTM-02	Soil	Aldrin	5	U
		a-BHC	5	U
		b-BHC	5	U
		d-BHC	5	U
		g-BHC	5	U
		g-Chlordane	5	U
		a-Chlordane	5	U
		4,4'-DDD	5	U
		4,4'-DDE	5	U
		4,4'-DDT	5	U
		Endrin Ketone	5	U
		Dieldrin	5	U
		Endosulfan I	5	U
		Endosulfan II	5	U
		Endosulfan Sulfate	5	U
		Endrin	5	U
		Endrin Aldehyde	5	U
		Heptachlor	5	U
		Heptachlor Epoxide	5	U
		Toxaphene	66	U
		Methoxychlor	15	U

Table 2-26
Building 82 - Maintenance Ation
Waste Characterization Pesticides Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	Reporting Limit (µg/kg)	Result (µg/kg)
WC-B82-DC-01	Soil	Aldrin	6	U
		a-BHC	6	U
		b-BHC	6	U
		d-BHC	6	U
		g-BHC	6	U
		g-Chlordane	6	U
		a-Chlordane	6	U
		4,4'-DDD	6	U
		4,4'-DDE	6	U
		4,4'-DDT	6	U
		Endrin Ketone	6	U
		Dieldrin	6	U
		Endosulfan I	6	U
		Endosulfan II	6	U
		Endosulfan Sulfate	6	U
		Endrin	6	U
		Endrin Aldehyde	6	U
		Heptachlor	6	U
		Heptachlor Epoxide	6	U
		Toxaphene	79	U
		Methoxychlor	18	U

SAMPLE ID	MATRIX	PARAMETER	Reporting Limit (µg/kg)	Result (µg/kg)
WC-B82-APN-01	Soil	Aldrin	5.5	U
		a-BHC	5.5	U
		b-BHC	5.5	U
		d-BHC	5.5	U
		g-BHC	5.5	U
		g-Chlordane	5.5	U
		a-Chlordane	5.5	U
		4,4'-DDD	5.5	U
		4,4'-DDE	5.5	U
		4,4'-DDT	5.5	U
		Endrin Ketone	5.5	U
		Dieldrin	5.5	U
		Endosulfan I	5.5	U
		Endosulfan II	5.5	U
		Endosulfan Sulfate	5.5	U
		Endrin	5.5	U
		Endrin Aldehyde	5.5	U
		Heptachlor	5.5	U
		Heptachlor Epoxide	5.5	U
		Toxaphene	73	U
		Methoxychlor	17	U

Table 2-26
Building 82 - Maintenance Ation
Waste Characterization Pesticides Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	Reporting Limit (µg/kg)	Result (µg/kg)
WC-B82-GTM-01	Soil	Aldrin	6	U
		a-BHC	6	U
		b-BHC	6	U
		d-BHC	6	U
		g-BHC	6	U
		g-Chlordane	6	U
		a-Chlordane	6	U
		4,4'-DDD	6	U
		4,4'-DDE	6	U
		4,4'-DDT	6	U
		Endrin Ketone	6	U
		Dieldrin	6	U
		Endosulfan I	6	U
		Endosulfan II	6	U
		Endosulfan Sulfate	6	U
		Endrin	6	U
		Endrin Aldehyde	6	U
		Heptachlor	6	U
		Heptachlor Epoxide	6	U
		Toxaphene	79	U
		Methoxychlor	18	U

SAMPLE ID	MATRIX	PARAMETER	Reporting Limit (µg/kg)	Result (µg/kg)
WC-B82-GTM-02	Soil	Aldrin	5	U
		a-BHC	5	U
		b-BHC	5	U
		d-BHC	5	U
		g-BHC	5	U
		g-Chlordane	5	U
		a-Chlordane	5	U
		4,4'-DDD	5	U
		4,4'-DDE	5	U
		4,4'-DDT	5	U
		Endrin Ketone	5	U
		Dieldrin	5	U
		Endosulfan I	5	12
		Endosulfan II	5	U
		Endosulfan Sulfate	5	8
		Endrin	5	U
		Endrin Aldehyde	5	U
		Heptachlor	5	U
		Heptachlor Epoxide	5	U
		Toxaphene	66	U
		Methoxychlor	15	U

Table 2-27
Building 82 Maintenance Action -
Waste Characterization PCBs Analytical Data Summary

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	RESULT (µg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N
WC-B82-GP-01	Soil	Chlordane	1	U	0.0005		
		Dieldrin	0.5	U	0.00025		
		Aroclor 1016	0.2	U	0.0001		
		Aroclor 1221	0.2	U	0.0001		
		Aroclor 1232	0.2	U	0.0001		
		Aroclor 1242	0.2	U	0.0001		
		Aroclor 1248	0.2	U	0.0001		
		Aroclor 1254	0.2	U	0.0001		
		Aroclor 1260	0.2	U	0.0001		
		Total PCBs			**0.00145**	2	N

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	RESULT (µg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N
WC-B82-GTM-03	Soil	Chlordane	360	U	0.18		
		Dieldrin	110	U	0.055		
		Aroclor 1016	360	U	0.18		
		Aroclor 1221	360	U	0.18		
		Aroclor 1232	360	U	0.18		
		Aroclor 1242	360	U	0.18		
		Aroclor 1248	360	U	0.18		
		Aroclor 1254	360	U	0.18		
		Aroclor 1260	360	5770	5.77		
		Total PCBs			**7.085**	2	Y

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	RESULT (µg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N
WC-B82-DC-01	Soil	Aroclor 1016	40	U	0.02		
		Aroclor 1221	40	U	0.02		
		Aroclor 1232	40	U	0.02		
		Aroclor 1242	40	U	0.02		
		Aroclor 1248	40	U	0.02		
		Aroclor 1254	40	U	0.02		
		Aroclor 1260	40	U	0.02		
		Total PCBs			**0.14**	2	N

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	RESULT (µg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N
WC-B82-APN-01	Soil	Aroclor 1016	36	U	0.018		
		Aroclor 1221	36	U	0.018		
		Aroclor 1232	36	U	0.018		
		Aroclor 1242	36	U	0.018		
		Aroclor 1248	36	U	0.018		
		Aroclor 1254	36	U	0.018		
		Aroclor 1260	36	45	0.045		
		Total PCBs			**0.153**	2	N

Table 2-27
Building 82 Maintenance Action -
Waste Characterization PCBs Analytical Data Summary

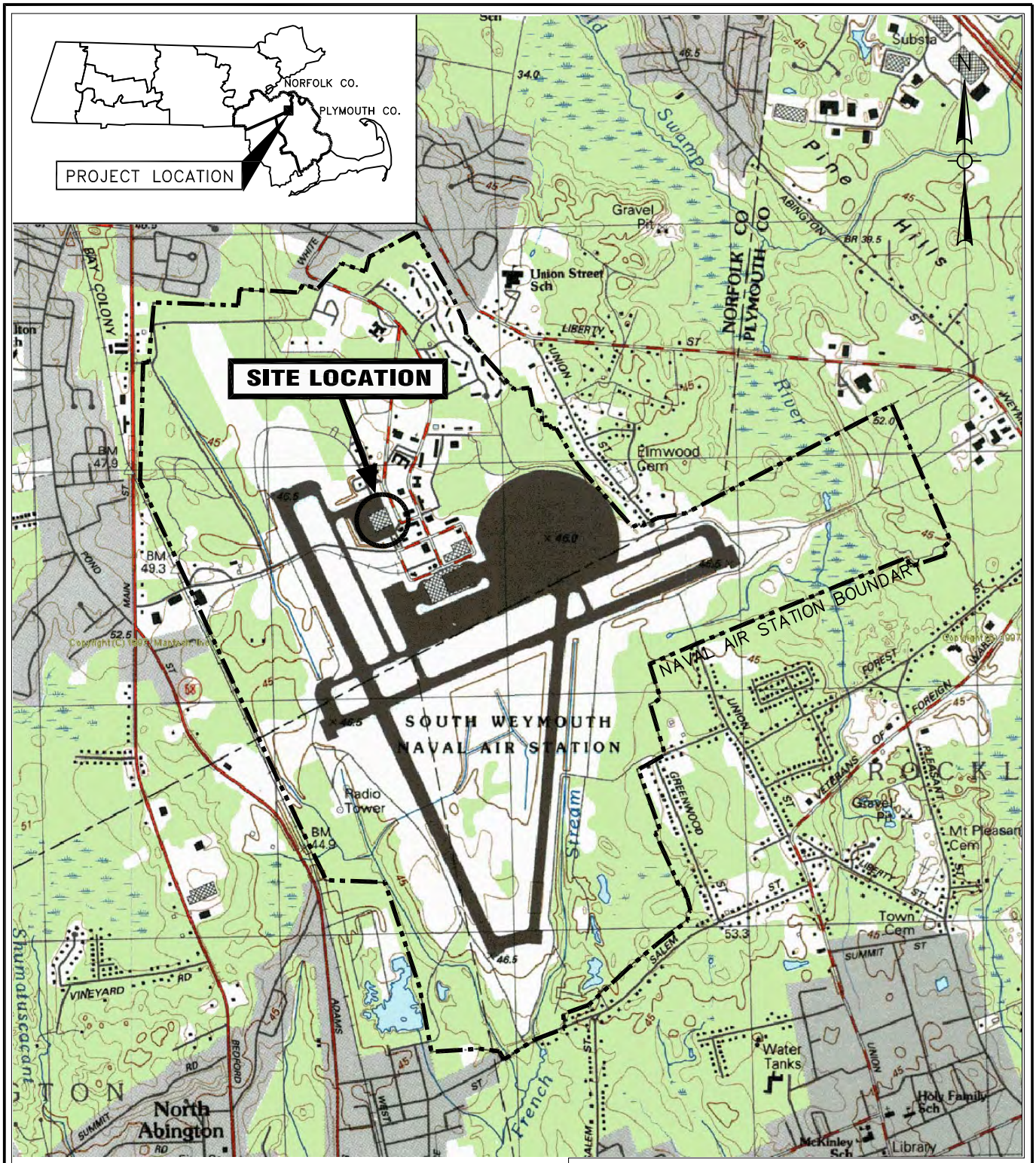
SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	RESULT (µg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N
WC-B82-GTM-01	Soil	Aroclor 1016	40	U	0.02		
		Aroclor 1221	40	U	0.02		
		Aroclor 1232	40	U	0.02		
		Aroclor 1242	40	U	0.02		
		Aroclor 1248	40	U	0.02		
		Aroclor 1254	40	U	0.02		
		Aroclor 1260	40	U	0.02		
		Total PCBs			**0.14**	2	N

SAMPLE ID	MATRIX	PARAMETER	QUAL (µg/kg)	RESULT (µg/kg)	Result (mg/Kg with 1/2 detects)	MA Landfill Criteria - Lined (mg/kg)	Exceed Lined Criteria? Y/N
WC-B82-GTM-02	Soil	Aroclor 1016	33	U	0.0165		
		Aroclor 1221	33	U	0.0165		
		Aroclor 1232	33	U	0.0165		
		Aroclor 1242	33	U	0.0165		
		Aroclor 1248	33	U	0.0165		
		Aroclor 1254	33	U	0.0165		
		Aroclor 1260	33	27	0.027		
		Total PCBs			**0.126**	2	N

Table 3-1 Waste Disposal Summary

Waste Stream	Disposal Facility	Volume(CY, drum)/Weight (tons)
ACM	Minerva Landfill Waynesburg, OH	2CY
Solid Waste (piping)	Spiegel South Shore Scrap Metal Brockton, MA	5.35 tons
Piping Contents (sediment)	Enpro Services, Inc. Williston, VT	3 drums
Soil	Waste Management Middleboro Landfill, Middleboro, MA	850 tons
Decontamination Water	Enpro Services, Inc. Williston, VT	1 drum

FIGURES



0 2000 4000
SCALE IN FEET

FIGURE 1-1

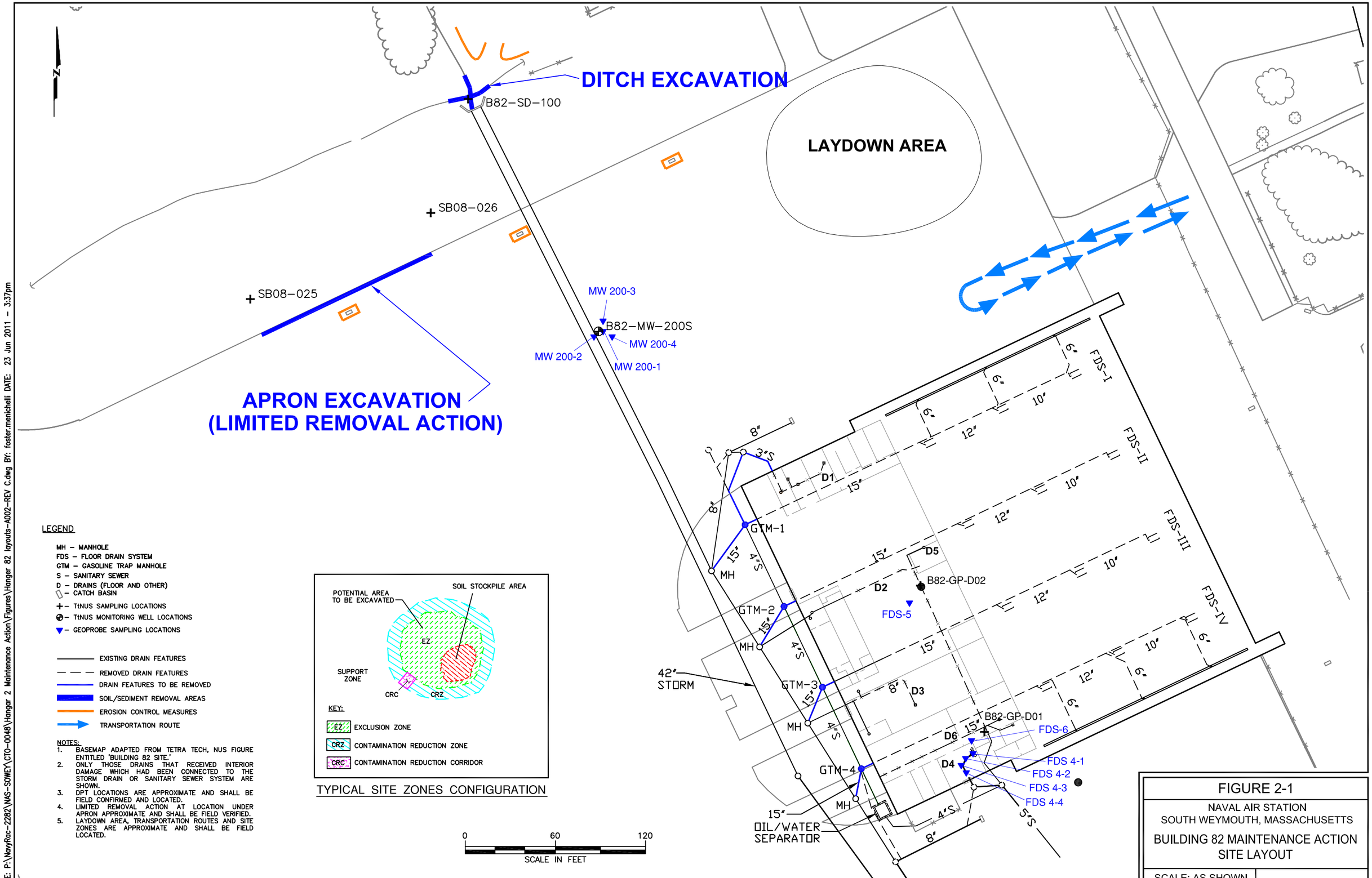
NAVAL AIR STATION SOUTH
WEYMOUTH, MASSACHUSETTS SITE

BUILDING 82 MAINTENANCE ACTION
LOCATION MAP

SCALE: AS SHOWN

FILE: P:\NavyRac-2282\NAS-SOWEY\CTO-0048\Hangar 2 Maintenance Action\Figures\Hanger-1-Locus.dwg BY: foster.menichelli DATE: 23 Jun 2011 - 4:44pm

CAD FILE: HANGER-1-LOCUS.DWG



LEGEND

MH – MANHOLE
FDS – FLOOR DRAIN SYSTEM
GTM – GASOLINE TRAP MANHOLE
S – SANITARY SEWER
D – DRAINS (FLOOR AND OTHER)
– CATCH BASIN
+ – TtNUS SAMPLING LOCATIONS
– TtNUS MONITORING WELL LOCATIONS
▼ – GEOPROBE SAMPLING LOCATIONS

EXISTING DRAIN FEATURES
REMOVED DRAIN FEATURES
DRAIN FEATURES TO BE REMOVED
SOIL/SEDIMENT REMOVAL AREAS
EROSION CONTROL MEASURES
TRANSPORTATION ROUTE

NOTES:
1. BASEMAP ADAPTED FROM TETRA TECH, NUS FIGURE ENTITLED 'BUILDING 82 SITE.'
2. ONLY THOSE DRAINS THAT RECEIVED INTERIOR DAMAGE WHICH HAD BEEN CONNECTED TO THE STORM DRAIN OR SANITARY SEWER SYSTEM ARE SHOWN.
3. DPT LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD CONFIRMED AND LOCATED.
4. LIMITED REMOVAL ACTION AT LOCATION UNDER APRON APPROXIMATE AND SHALL BE FIELD VERIFIED.
5. LAYDOWN AREA, TRANSPORTATION ROUTES AND SITE ZONES ARE APPROXIMATE AND SHALL BE FIELD LOCATED.

TYPICAL SITE ZONES CONFIGURATION

FIGURE 2-1

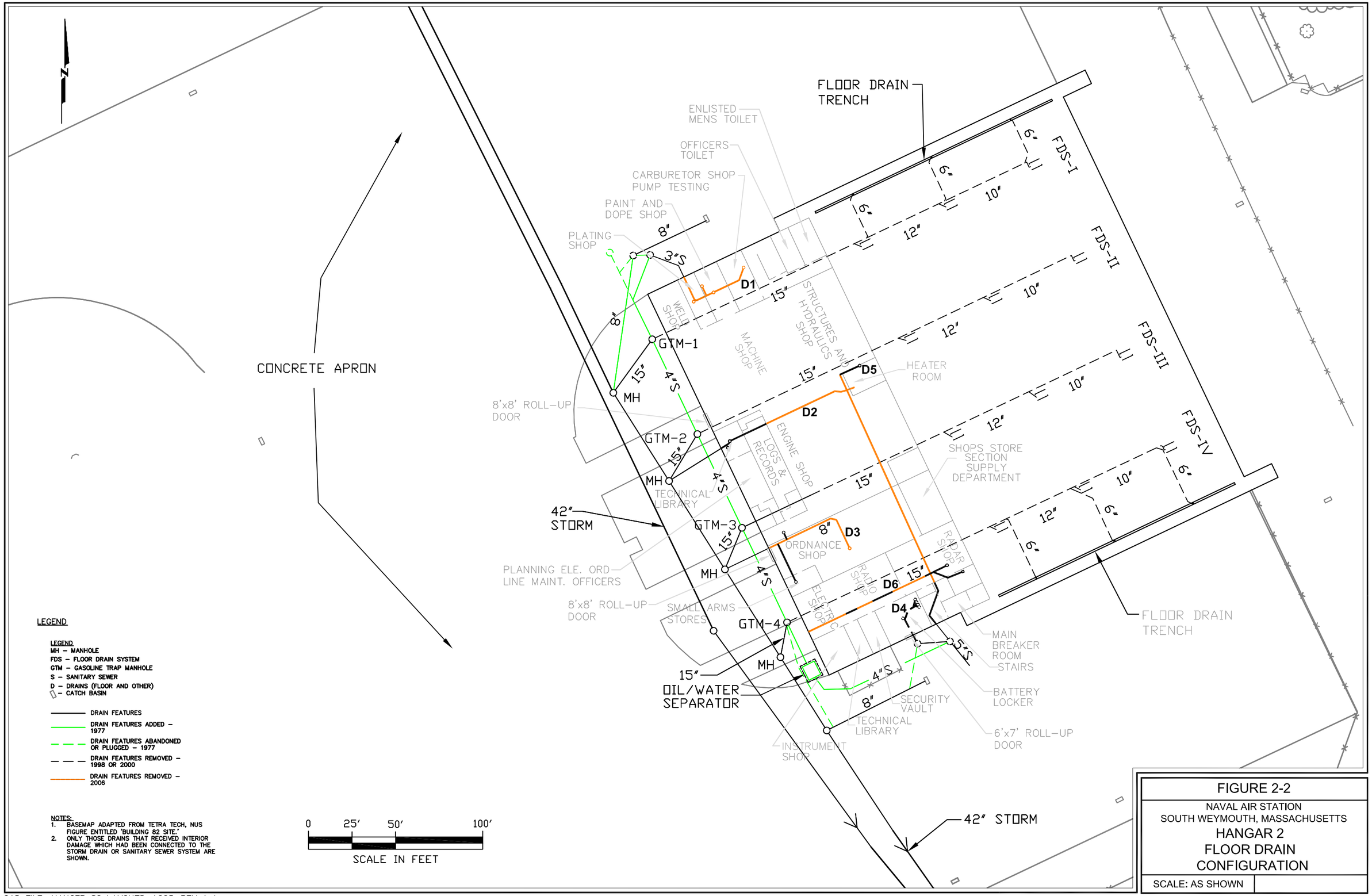
NAVAL AIR STATION
SOUTH WEYMOUTH, MASSACHUSETTS

BUILDING 82 MAINTENANCE ACTION
SITE LAYOUT

SCALE: AS SHOWN

FILE: P:\NavyRac-2282\NAS-SOWEY\CTO-0048\Hangar 2 Maintenance Action\Figures\Hanger 82 layouts-A002-REV C.dwg BY: foster.menichelli DATE: 23 Jun 2011 – 3:37pm

CAD FILE: HANGER 82 LAYOUTS-A002-REV C.DWG



LEGEND

LEGEND
MH – MANHOLE
FDS – FLOOR DRAIN SYSTEM
GTM – GASOLINE TRAP MANHOLE
S – SANITARY SEWER
D – DRAINS (FLOOR AND OTHER)
– CATCH BASIN

DRAIN FEATURES
DRAIN FEATURES ADDED – 1977
DRAIN FEATURES ABANDONED OR PLUGGED – 1977
DRAIN FEATURES REMOVED – 1998 OR 2000
DRAIN FEATURES REMOVED – 2006

NOTES:
1. BASEMAP ADAPTED FROM TETRA TECH, NUS FIGURE ENTITLED 'BUILDING 82 SITE.'
2. ONLY THOSE DRAINS THAT RECEIVED INTERIOR DAMAGE WHICH HAD BEEN CONNECTED TO THE STORM DRAIN OR SANITARY SEWER SYSTEM ARE SHOWN.

FIGURE 2-2
NAVAL AIR STATION
SOUTH WEYMOUTH, MASSACHUSETTS
HANGAR 2
FLOOR DRAIN
CONFIGURATION
SCALE: AS SHOWN

CAD FILE: HANGER 82 LAYOUTS–A005–REV A.dwg

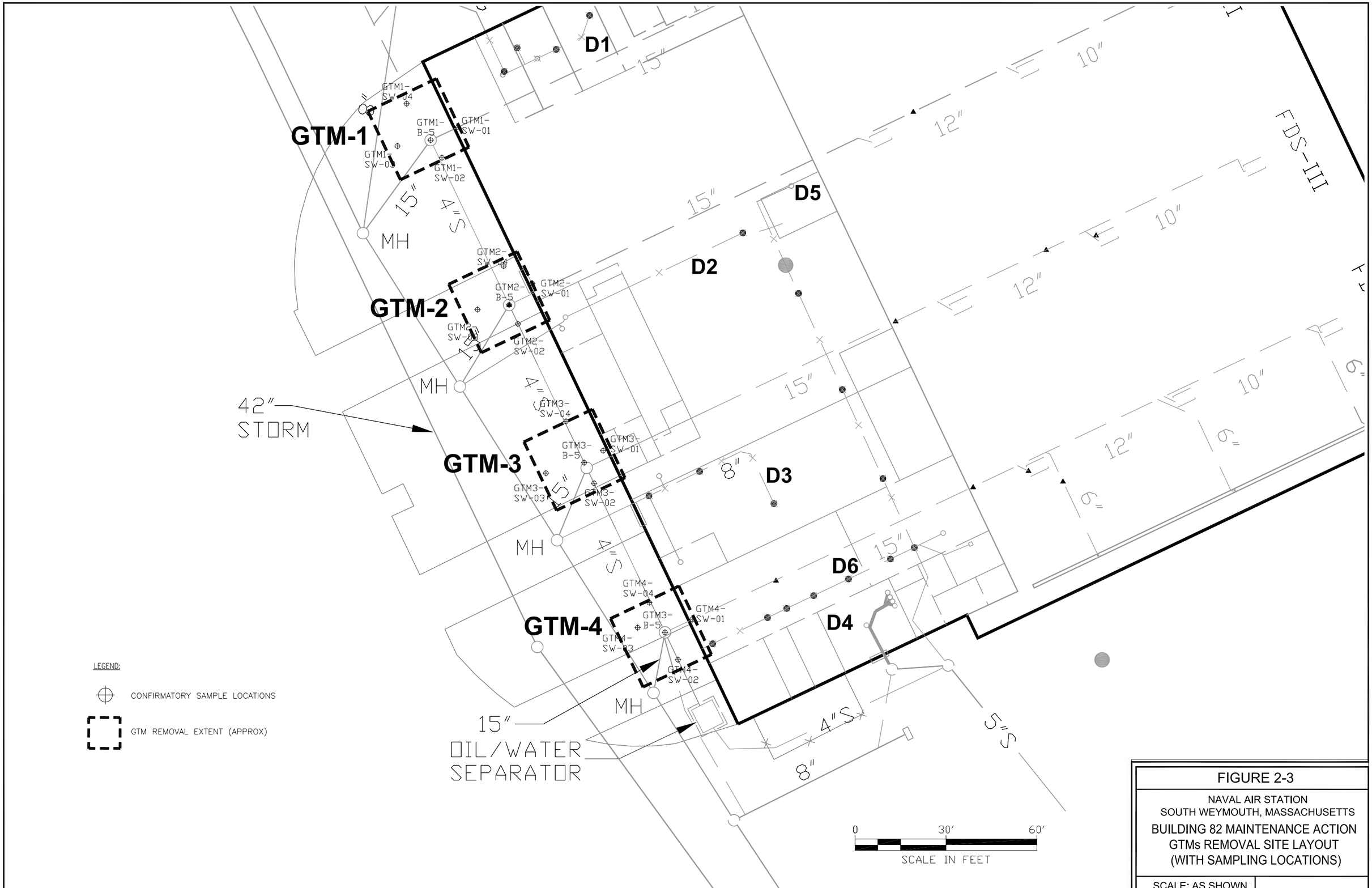


FIGURE 2-3

NAVAL AIR STATION
SOUTH WEYMOUTH, MASSACHUSETTS

BUILDING 82 MAINTENANCE ACTION
GTMs REMOVAL SITE LAYOUT
(WITH SAMPLING LOCATIONS)

SCALE: AS SHOWN

CAD FILE: HANGER 82 LAYOUTS-A001-REV A.dwg

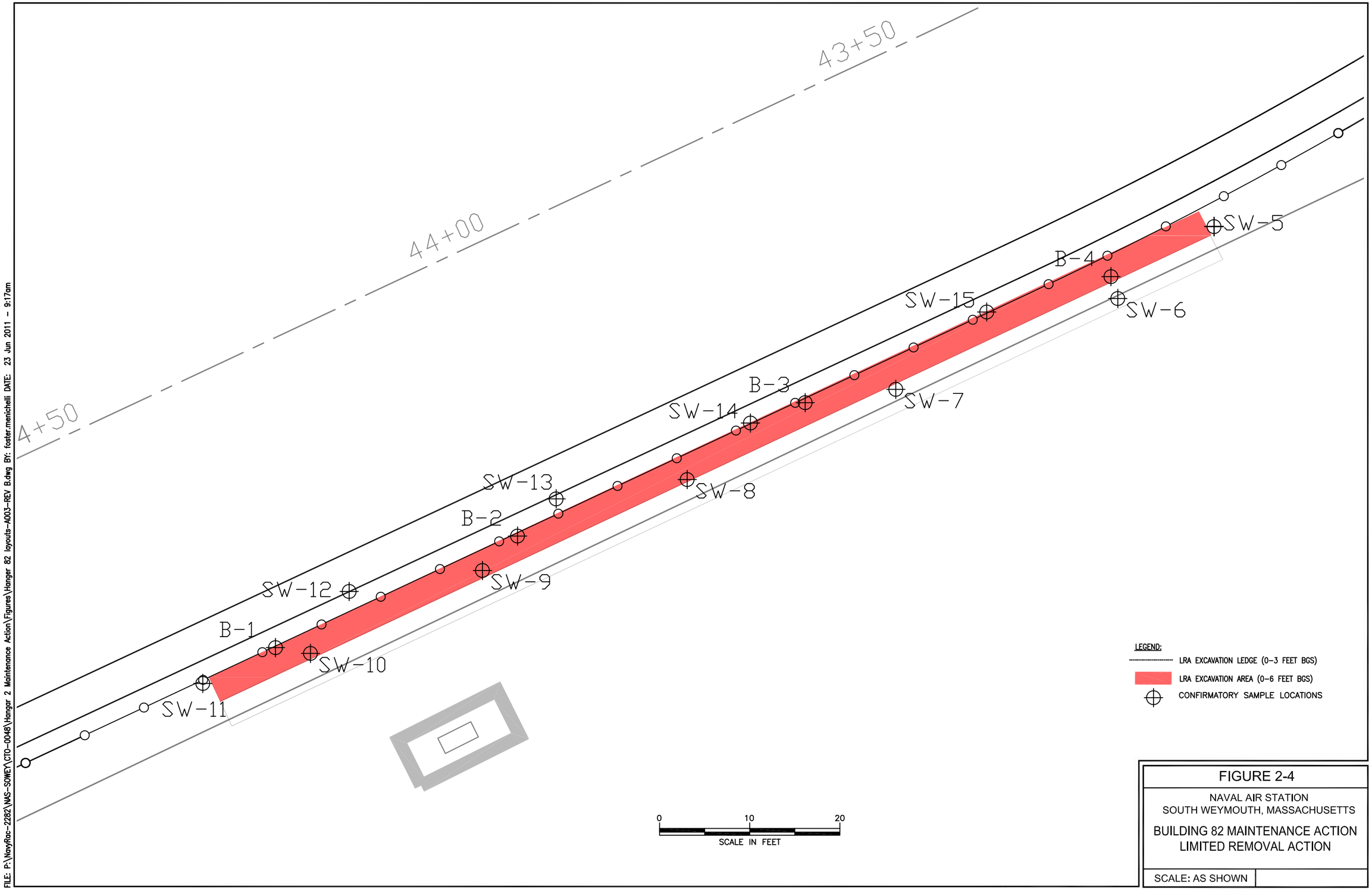


FIGURE 2-4

NAVAL AIR STATION
SOUTH WEYMOUTH, MASSACHUSETTS

BUILDING 82 MAINTENANCE ACTION
LIMITED REMOVAL ACTION

SCALE: AS SHOWN

FILE: P:\NavyRac-2282\NAS-SOWE\CTO-0048\Hangar 2 Maintenance Action\Figures\Hanger 82 layouts-A003-REV B.dwg BY: foster.menichelli DATE: 23 Jun 2011 - 9:17am

CAD FILE: HANGER 82 LAYOUTS-A003-REV B.DWG

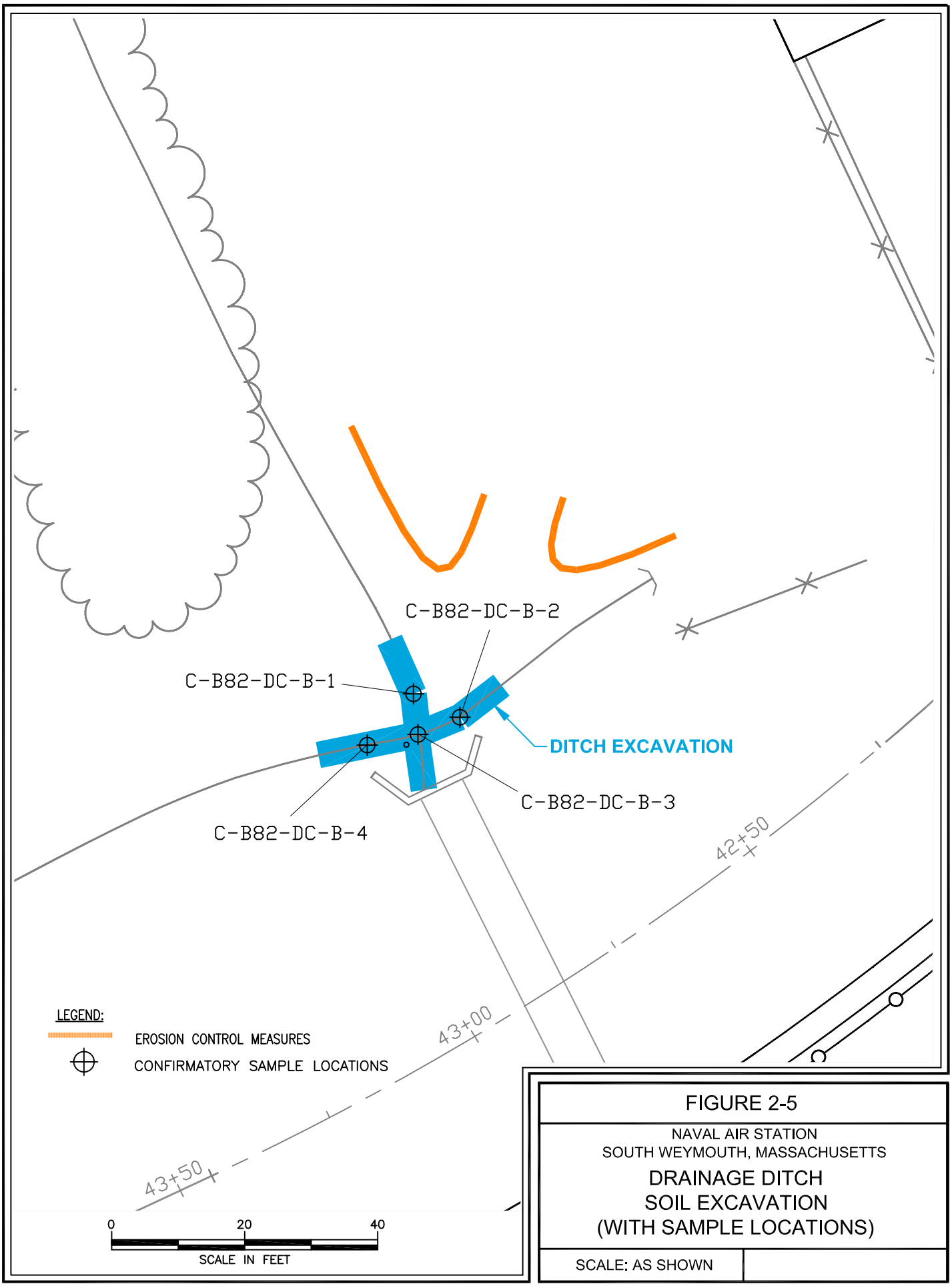


FIGURE 2-5

NAVAL AIR STATION
SOUTH WEYMOUTH, MASSACHUSETTS

DRAINAGE DITCH
SOIL EXCAVATION
(WITH SAMPLE LOCATIONS)

SCALE: AS SHOWN

FILE: P:\NavyRac-2282\NAS-SOWEY\CTO-0048\Hangar 2 Maintenance Action\Figures\Hanger 82 layouts-A004-REV B.dwg BY: foster.menichelli DATE: 23 Jun 2011 - 3:31pm

CAD FILE: HANGER 82 LAYOUTS-A004-REV B.DWG

Appendix A
Photographic Log

DATE: 08/09/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 1 GEOPROBE BORING LOCATION

DATE: 08/09/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 2 GEOPROBE BORING LOCATION

DATE: 08/09/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 3 GEOPROBE BORING LOCATION

DATE: 08/09/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 4 GEOPROBE BORING LOCATION

DATE: 08/09/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 5 GEOPROBE BORING LOCATION

DATE: 08/09/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 6 GEOPROBE BORING LOCATION

DATE: 08/09/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 7 GEOPROBE BORING LOCATION

DATE: 08/09/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 8 GEOPROBE BORING LOCATION

DATE: 08/09/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 9 - GEOPROBE BORING LOCATION

DATE: 08/09/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 10 - GEOPROBE BORING LOCATION

DATE: 08/09/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: MW 200 - GEOPROBE BORING LOCATION

DATE: 08/09/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: ZEBRA Geoprobe Onsite

DATE: 08/09/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 1 (1ft offset) GEOPROBE DRILLING

DATE: 08/09/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA1 (1ft offset) - 0-4ft-bgs GEOPROBE BORING

DATE: 08/09/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 1 (1ft offset) - 4-8ft-bgs GEOPROBE BORING

DATE: 08/10/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance

COMMENT: MW200-1 - GEOPROBE BORING

DATE: 08/10/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance

COMMENT: MW200-1 - GEOPROBE BORING

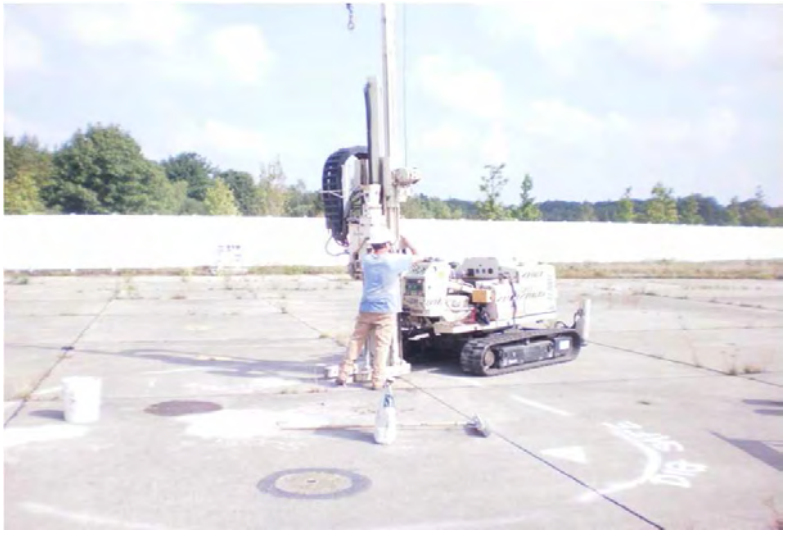
DATE: 08/10/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance

COMMENT: MW200-2 - GEOPROBE BORING

DATE: 08/10/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance

COMMENT: MW200-2 - GEOPROBE BORING

MW200 Boring Recovery



DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: MW200-3 - GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: MW200-3 - GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: MW200-4 - GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: MW200-4 - GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-6 - GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-6 - GEOPROBE BORING EXHAUST LINE

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-6 - 0-4ft-bgs GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-6 - 4-8ft-bgs GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-5 - GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-5 - GEOPROBE BORING EXHAUST LINE

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: MW200-4 - GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-5 - 4-8ft-bgs GEOPROBE BORING

DATE: 08/11/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-4-1 - GEOPROBE BORING

DATE: 08/11/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-4-1 - GEOPROBE BORING EXHAUST LINE

DATE: 08/11/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-4-1 - 0-4ft-bgs GEOPROBE BORING

DATE: 08/11/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-4-1 - 4-8ft-bgs GEOPROBE BORING

DATE: 08/11/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-4-2 - GEOPROBE BORING

DATE: 08/11/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-4-2 - 0-4ft-bgs GEOPROBE BORING

DATE: 08/11/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-4-2 - 4-8ft-bgs GEOPROBE BORING

DATE: 08/11/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-4-3 - GEOPROBE BORING

DATE: 08/11/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-4-3 - GEOPROBE BORING RECOVERY

DATE: 08/11/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-4-4 - GEOPROBE BORING

DATE: 08/11/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-4-4 - 0-4ft-bgs GEOPROBE BORING

DATE: 08/11/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-4-4 - 4-8ft-bgs GEOPROBE BORING

DATE: 08/11/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: FDS-4-2 - GEOPROBE BORING

DATE: 08/12/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA-5 (6ft offset) - GEOPROBE BORING

DATE: 08/12/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 5 (6ft offset) - 0-4ft-bgs GEOPROBE BORING

DATE: 08/12/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 5 (6ft offset) - 4-8ft-bgs GEOPROBE BORING

DATE: 08/12/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA-6 (6ft offset) - GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 6 (6ft offset) - 0-4ft-bgs GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 6 (6ft offset) - 4-8ft-bgs GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: MW200-4 - GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 7 (6ft offset) - 0-4ft-bgs GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 7 (6ft offset) - 4-8ft-bgs GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA-8 (6ft offset) - GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 8 (6ft offset) - 0-4ft-bgs GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 8 (6ft offset) - 4-8ft-bgs GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA-9 (6ft offset) - GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 9 (6ft offset) - 0-4ft-bgs GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 9 (6ft offset) - 4-8ft-bgs GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA-10 (6ft offset) - GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA-10 (6ft offset) - GEOPROBE BORING

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA 10 (6ft offset) - 0-4ft-bgs GEOPROBE BORING

DATE: 09/07/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM1 WITH CONCRETE REMOVED

DATE: 09/07/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance

COMMENT: EXCAVATING GTM1

DATE: 09/07/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance

COMMENT: EXCAVATING GTM1

DATE: 09/07/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance

COMMENT: EXCAVATING GTM1

DATE: 09/07/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: PIPING REMOVED FROM GTM1

DATE: 09/07/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM1 EXCAVATION

DATE: 09/07/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM1 EXAVATION

DATE: 09/07/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM1 MANHOLE COVER

DATE: 09/07/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: PIPE CONNECTIONS AT GTM1

DATE: 09/07/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: PIPE CONNECTIONS AT GTM1

DATE: 09/07/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: CONTAMINATED SOIL FROM GTM1

DATE: 09/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: PIPE AT GTM1 LIFTED TO SHOW NO STAINING BELOW

DATE: 09/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: INTERNAL VIEW OF REMAINING STUB

DATE: 09/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: REMOVED PIPES FROM GTM 1

DATE: 09/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM4 AFTER CONCRETE REMOVAL

DATE: 09/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: CLEAN MATERIAL FROM GTM1 AND GTM2

DATE: 09/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: PIPING FROM GTM1

DATE: 09/07/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: UNLOADING TRENCH BOX

DATE: 09/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: SEALED ROOF DRAIN DOWN PIPES

DATE: 09/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: SEALED ROOF DRAIN DOWN PIPES

DATE: 09/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM'S 2,3 AND 4

DATE: 09/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GROUTED CONNECTION TO STORM DRAIN

DATE: **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM 1 EXCAVATION

DATE: 09/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GROUTING CONNECTION TO STORM DRAIN

DATE: 09/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: ROOF DRAINS

DATE: 09/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: MANHOLE COVER AND OTHER RECOVERED PIPING

DATE: 09/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM3 AFTER CONCRETE REMOVAL

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM - COVERED STOCKPILES

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM - COVERED STOCKPILES

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: MATERIAL RECOVERED FROM THE PIPE JOINTS

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: MATERIAL RECOVERED FROM THE PIPE JOINTS

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: RECOVERED LEAD STORGAE

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM 1 EXCAVATION

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM 2 EXCAVATION

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: CONTAMINATED SOIL FROM GTM1 AND 2

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: REMOVED ASPHAULT FROM GTM'S

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: CONTAMINATED SOIL FROM GTM3 AND 4

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM 3 EXCAVATION

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: CONCRETE STOCKPILE

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: CLEAN STOCKPILE FROM GTM 4

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

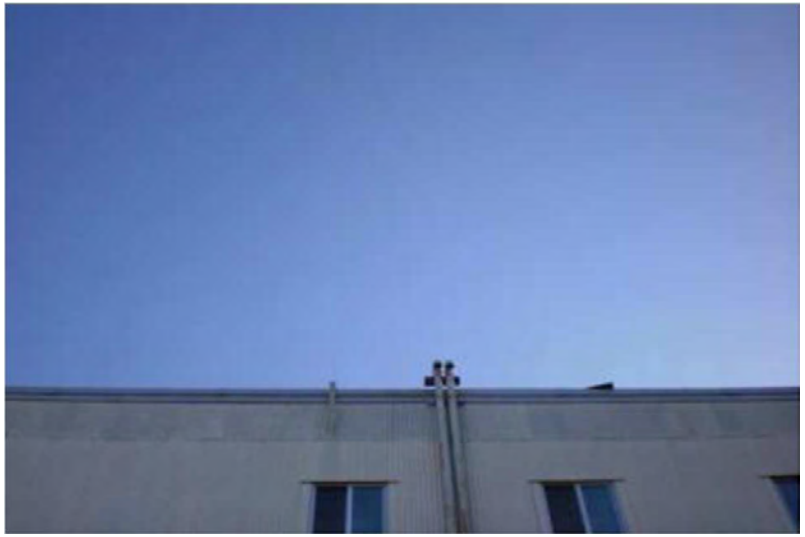
COMMENT: CONTAMINATED SOIL FROM GTM3 AND 4

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM 4

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: CLEAN STOCKPILE FROM GTM 1



DATE: 09/20/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: ROOF DRAINS

DATE: 09/20/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: ADDITIONAL EXCAVATION AT GTM 1

DATE: 09/20/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: ADDITIONAL EXCAVATION AT GTM 2

DATE: 09/20/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: ADDITIONAL EXCAVATION AT GTM 2

DATE: 09/20/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: ADDITIONAL EXCAVATION AT GTM 2

DATE: 09/20/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: ADDITIONAL EXCAVATION AT GTM 2

DATE: 09/20/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: ADDITIONAL EXCAVATION AT GTM 2

DATE: 09/20/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: ADDITIONAL EXCAVATION AT GTM 2

DATE: 09/28/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM STOCKPILES

DATE: 09/28/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM STOCKPILES

DATE: 10/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM 1 - BACKFILLED

DATE: 10/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM 2- BACKFILLED

DATE: 10/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM 3 - BACKFILLED

DATE: 10/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM STOCKPILES

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM LOCATIONS AND STOCKPILES

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: GTM 4 - BACKFILLED

DATE: 09/15/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: DRAINAGE CHANNEL LOCATION

DATE: 09/15/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: DRAINAGE CHANNEL MOBILIZATION

DATE: 09/15/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: DRAINAGE CHANNEL

DATE: 09/15/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: DRAINAGE CHANNEL DEWATERING

DATE: 09/15/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance
COMMENT: DRAINAGE CHANNEL EXCAVATION

DATE: 09/15/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance
COMMENT: DRAINAGE CHANNEL EXCAVATION

DATE: 09/15/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance
COMMENT: DRAINAGE CHANNEL SAMPLE COLLETION

DATE: 09/15/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance
COMMENT: DRAINAGE CHANNEL SAMPLE COLLETION

DATE: 09/15/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance
COMMENT: DRAINAGE CHANNEL

DATE: 09/15/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance
COMMENT: DRAINAGE CHANNEL

DATE: 09/15/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance
COMMENT: DRAINAGE CHANNEL

DATE: 09/15/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance
COMMENT: DRAINAGE CHANNEL

DATE: 09/29/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance
COMMENT: DRAINAGE CHANNEL - EROSION CONTROL AND SEED

DATE: 09/29/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance
COMMENT: DRAINAGE CHANNEL - EROSION CONTROL AND SEED

DATE: 09/29/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance
COMMENT: DRAINAGE CHANNEL - EROSION CONTROL AND SEED

DATE: 10/07/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance
COMMENT: DRAINAGE CHANNEL - EROSION CONTROL AND SEED

DATE: 10/07/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance

COMMENT: DRAINAGE CHANNEL - EROSION CONTROL AND SEED

DATE: 10/07/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance

COMMENT: DRAINAGE CHANNEL - EROSION CONTROL AND SEED

DATE: 10/07/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance

COMMENT: DRAINAGE CHANNEL - EROSION CONTROL AND SEED

DATE: 10/07/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance

COMMENT: DRAINAGE CHANNEL - EROSION CONTROL AND SEED

Drainage Channel

DATE: 10/07/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance

COMMENT: DRAINAGE CHANNEL - STOCKPILE

DATE: 10/07/10 PROJECT: NAS-SOWEY Hangar 2 Maintenance

COMMENT: COVERED DRAINAGE DITCH STOCKPILE

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA CONCRETE

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA STORMWATER CONTROLS

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: ASBESTOS REMOVAL FROM LRA

DATE: 08/10/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: ASBESTOS REMOVAL FROM LRA

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - FENCE REMOVAL

DATE: 09/15/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - FENCE REMOVAL

DATE: 09/15/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - FENCE REMOVAL

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - FENCE REMOVAL

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - CONCRETE REMOVAL & FENCE PANNEL REMOVAL

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - CONCRETE REMOVAL & FENCE PANNEL REMOVAL

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - CONCRETE & FENCE PANNEL REMOVAL

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - CONCRETE & FENCE PANNEL REMOVAL

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA STOCKPILE

DATE: 09/16/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - SAFETY FENCE AROUND EXCAVATION

DATE: 09/17/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - SAFETY FENCE AROUND EXCAVATION

DATE: 09/17/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA EXCAVATION

DATE: 09/17/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA STOCKPILE

DATE: 09/17/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA EXCAVATION

DATE: 09/20/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA EXCAVATION

DATE: 09/20/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA CONCRETE

DATE: 09/20/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA FENCE - SITE STORAGE LOCATION

DATE: 09/28/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - REPAIRED PIPE

DATE: 09/28/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - REPAIRED PIPE

DATE: 09/28/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - BACKFILLED

DATE: 09/29/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - COVERED STOCKPILES

DATE: 09/29/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - COVERED STOCKPILES

DATE: 10/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - Fence Restored

DATE: 10/08/10 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: LRA - Fence Restored

DATE: 4/13-14/2011 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: SOIL PILES REMOVED

DATE: 4/13-14/2011 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: SOIL PILES REMOVED

DATE: 4/13-14/2011 **PROJECT:** NAS-SOWEY Hangar 2 Maintenance

COMMENT: SOIL PILES REMOVED

Appendix B
Asbestos Containing Material Documentation

ProScience Analytical Services, Inc.

PLM Asbestos Chain of Custody Record

LABORATORY/HEADQUARTERS
22 Cummings Park, Woburn, MA 01801
T:781-935-3212 F:781-932-4857

LABORATORY SERVICES
683 North Mountain Rd., Newington, CT 06111
T:860-953-1022 F:860-953-1030

☐ RUSH

Turn Around Time Requested

☐ Same day ☐ 24 Hour ☑ 48 Hour ☐ 72 Hour ☐ 5 Days

Client: TETRA TECH EC INC
Address: 160 FEDERAL STREET, 3RD FLOOR BOSTON MA
Project Site & Number: 106-2287
Phone / FAX Number: 617-443-7554 / FAX 617-737-3480
Contact: KIRSTEN MYERS P.E.

Relinquished by/date: R. CLAYDON 7/12/10
Received by/date: Kathy Artore 7-12-10 2:53 p
Samples received: 3 Analyzed:
Faxed, E-mailed, Verbal by/date: kirsten.myers@tetratech.com
Stop on first positive: Yes No

For Lab Use> Batch Number B70101 Analyzed by/date: [illegible] 7-14-10 QC by/date: VS 7/14/10

Lab ID	Field ID Sampled date	Description / Location	% Asbestos	Stereo Scope: Color	Homogeneity	Texture	Friable	Optical Properties: Morphology	Extinction	Sign of Elongation	Birefringence	Pleochroism	RI		Asbestos Percentage (%): Chrysotile	Amosite	Crocidolite	Tremolite	Anthophylite	Actinolite	Non Asbestos Percentage (%): Fiberglass	Mineral Wool	Cellulose	Hair	Synthetic	Other	Non Fibrous
777033	B82-LRA 7/12/10	CONC CAULK	0	[illegible]				[illegible]					[illegible]		TR												100
4	B82-GTM1 7/12/10	CONC CAULK	0	[illegible]				[illegible]					[illegible]		3												97
5	B82-GTM2 7/12/10	CONC CAULK	0	[illegible]																							100
		PAID VISA # 05578C 7-12-10																									

Comments: Birefringence L= less than .010, M= .011-.029, H= greater than .03: Microscope Olympus BH-2, Serial # circle 1- 242277, 229027, 235000, 230663

Laboratory uses the EPA or ELAP point count method as appropriate

For complete information about our services and locations please visit us at www.proscience.net or call the numbers above.

Revised on 4/7/09

LETTER OF TRANSMITTAL

TANTARA CORPORATION

54 Mason St.
Worcester, MA 01610
(508) 752-5599
Fax (508) 752-1005

DATE: 9-16-10	PROJECT NO
ATTENTION	
REFERENCE	

TO Brian Corbett
T+EC
160 Federal Street
Boston MA 02110

WE ARE SENDING YOU ☑ ATTACHED ☐ UNDER SEPARATE COVER VIA _____

THE FOLLOWING ITEMS:

☐ Daily Reports ☐ Prints ☐ Plans ☐ Payment Applications ☐ Contracts
☐ Samples ☐ Specifications ☐ Correspondence ☑ Other

COPIES	SUBMITTAL NO	DESCRIPTION
1	—	ALG Report - AM. Inspection
1	—	TANTARA personnell air monitoring data.
1	—	WSR- Asbestos disposal at S.T.G.

THESE ARE TRANSMITTED as checked below

☐ For Approval ☐ Approved as Submitted ☑ For your Files ☐ As Requested
☐ Approved as Noted ☐ Review and Comment ☐ Resubmittal ☐ _____
☐ FOR BIDS DUE _____ ☐ Prints Returned after Loan to Us

REMARKS: _____

COPY TO _____ SIGNATURE _____

ALG
Environmental Consulting, L.L.C
20 Island Pond Road Derry, New Hampshire 03038

September 3, 2010

Mr. Christopher Pereira
Tantara Corporation
54 Mason Street
Worcester, MA 01610

Subject: Visual Inspection - ACM Caulking Removal

Project: Former Naval Air Station
299 Houghton Street
So. Weymouth Massachusett

Dear Mr. Pereira,

On September 2nd, 2010, ALG Environmental LLC performed a visual inspection to determine the completion of asbestos abatement activities involving the removal of asbestos containing caulking in various tarmac areas at the former Weymouth Naval Air Station. Tantara Corp. conducted the abatement in a regulated area utilizing HEPA equipped vacuums, hand scrapers, utility knives, wire brushes, wet rags and wet methods.

Upon completion of the cleanup process Mr. Andrew Fisher of ALG, DOS #000190 ,performed a visual inspection. No evidence of visible debris was found.

Based on the visual inspection the area is suitable for occupancy. A copy of the analytical results is attached.

ALG would like to thank you for the opportunity to have serviced Tantara's environmental testing needs. If you have any questions regarding the completed testing, please don't hesitate to call.

Sincerely,

Allen Grinnell

Allen Grinnell
General Manager

Cc: File - ALG Project #: 10-133

Attachment: Visual Inspection Results and Pics

ALG
Environmental Consulting, L.L.C
20 Island Pond Road Derry, New Hampshire 03038

Asbestos Work Area
Visual Inspection Checklist

Date: 9-2-2010

Project: South Weymouth Air Station **Contractor:** Tantara Corp.

Site Address: 299 Houghton Street, Weymouth, MA

Work Area: Tarmac

Description of Asbestos Abatement Activities:
The contractor removed asbestos containing caulking materials from various cement tarmac areas

Visual Inspection Checklist:

	Yes	No
☐ All non-essential equipment removed from the work area	Y___	___
☐ All asbestos containing waste material removed from the work area	Y___	___
☐ Asbestos waste containers/bags properly sealed and labeled	Y___	___
☐ Negative air machines thoroughly cleaned including wheels and exhaust tubes	NA__	___
☐ Scaffolding and ladders thoroughly cleaned and free and clear of all visible debris	NA__	___
☐ Decontamination unit thoroughly cleaned and free and clear of all visible debris	Y___	___
☐ Interior polyethylene walls free and clear of all visible debris	NA__	___
☐ Interior polyethylene floors free and clear of all visible debris	NA__	___

Abated surfaces: (circle all that apply)

Pipes Fittings Tanks Boilers HVAC Components

Interior Walls Floors Roof Other: Cement Slab Caulking

Are the abated surfaces free and clear of all visible debris _Yes ___

If no please describe additional cleaning required:

No caulking. Areas appear to be well cleaned.

Industrial Hygienist:

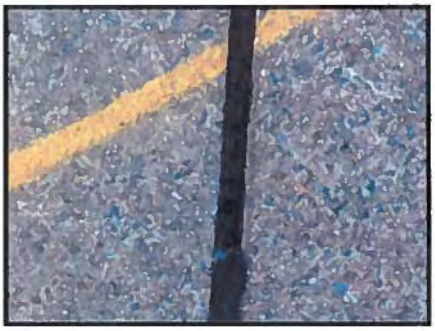
Andrew Fisher

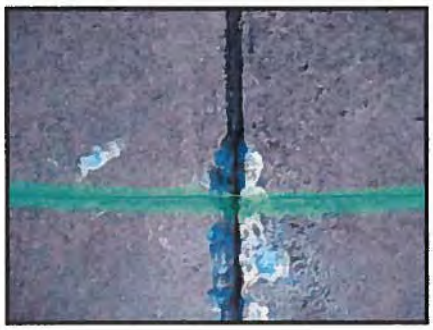
Andrew L. Fisher

Contractor Representative:

_____

ALG
Environmental Consulting, L.L.C
20 Island Pond Road Derry, New Hampshire 03038





ProScience Analytical Services, Inc.

PCM Asbestos Chain of Custody Record

LABORATORY/HEADQUARTERS
22 Cummings Park, Woburn, MA 01801
T:781-935-3212 F:781-932-4857

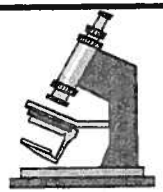
CONSULTING SERVICES
683 North Mountain Rd., Newington, CT 06111
T:860-953-1022 F:860-953-1030

☐ Rush

Turn Around Time Requested

☐ Same Day ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☑ 5 Days

Client: Tantara Corporation
Address: 54 Mason St, Worcester, MA 01610
Project Site & Number: Hangar #2 - So Weymouth Naval Air
Phone / FAX Number: 617.515.9748
Contact: cperella@tanbanacorp.com



Relinquished By and Date: [illegible] 9/5/10
Received By and Date: Lauren Cochran 9/8/10 3:20
Quantity Recvd: 2
Qty of Samples Analyzed:
Faxed By and Date:

For Lab Use> Batch Number: A71254 60 KA Analyzed By/ Date: Roland Holocek 9.14.2010 QC By / Date:

Lab ID	Field ID Sampled Date	Description & Location Name & SS#	Pump No.	Pump On Hr./Mn.	Pump Off Hr./Mn.	Rotomater (LPM) On	Rotomater (LPM) Off	Rate (LPM)	Time (MIN)	Air Volume (Liters)	Fibers per 100 fields	Fibers per CC
797062	083010	Caulking Removal - Day 1 Ed Bradenson	5	0925	1545			1.8	380	684	2/100	<.004
63	090210	Caulking Removal - Day 4 Ed Bradenson	5	0000	1100			1.5	300	450	2/100	<.006

Comments:
Microscope: **Serial #**

For complete information about our services and locations please visit us at www.proscience.net or call the numbers above.

SERVICE TRANSPORT GROUP, INC.

58 PYLES LANE, NEW CASTLE, DE 19720 PHONE: (877) 999-9559

№ 272993

WASTE SHIPMENT RECORD

S.T.G. # 15610

GENERATOR

1. Material Origin Site	Generator: Name/Address	Generator: Phone #
Hangar #2 [illegible] MA 02110	US Navy 11 [illegible] MA 02110	(617) [illegible]

2. Removal Contractor: Name/Address	Contractor: Phone #
TANTARA Corporation 51 Marion Street Worcester MA 01610 Contact: [illegible]	(508) 756-[illegible]

3. Responsible Agency: Name/Address	4. US DOT Class - FRIABLE ASBESTOS ONLY
MA DEP [illegible] MA	RQ ASBESTOS, 9, NA 2212, PG III

5. Description of Materials Specify Friable or Non-Friable	Containers No.	Type	Total Quantity
IF Friable (enter required information)			[illegible]
IF Non-Friable (check one): ☐ Category I ☐ Category II	10	bags	

6. Special Handling Instructions 24-hour emergency spill response no. 800-424-9300

7. Generator Certification:
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport by highway according to the applicable regulations of the Department of Transportation, US E.P.A., and any other state government agency. I certify that the foregoing is true and correct to the best of my knowledge. If the waste shipment is not as I stated, I accept the RETURN of the COMPLETE LOAD to the generator's service location at the generator's expense.

Printed/Typed Name & Title	Signature	Date
[illegible]	[illegible]	[illegible]

TRANSPORTER

8. Transporter 1 (Acknowledgement of Receipt of Materials) If blank, see Transporter 2 or 3 below.

Company Name & Address	Signature:	Telephone No.
TANTARA Corporation 51 Marion Street Worcester MA 01610	Printed Name:	Date:
	Title:	

9. Transporter 2 (Acknowledgement of Receipt of Materials) If Transporter 1 & 2 are blank, Transporter 3 servers as sole transporter.

Company Name & Address	Signature:	Telephone No.
	Printed Name:	Date:
	Title:	

10. Transporter 3 (Acknowledgement of Receipt of Materials)

Company Name & Address	Signature:	Telephone No.
Service Transport Group, Inc. 58 Pyles Lane New Castle, DE 19720	Printed Name:	877-999-9559 Date:
	Title:	

Paid 100.00 C.D.

DISPOSAL SITE

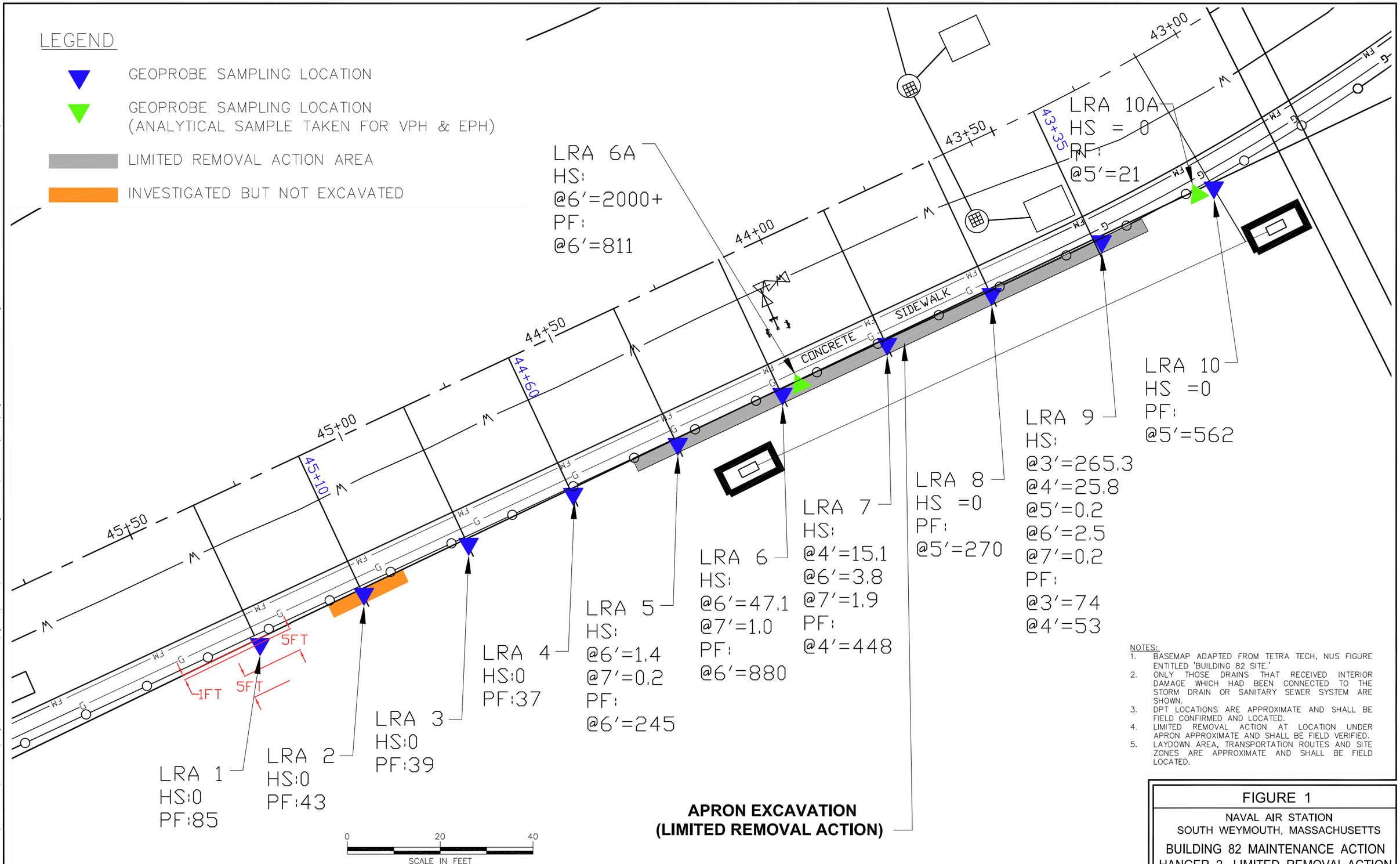
11. Discrepancy Indication Space:

12. Waste Disposal Site Owner or Operator's Certification (Receipt of above Waste except as noted in 11)

Waste Disposal Site (Check One)		STG USE ONLY		
Sanitary Landfill ☐ 901 Tyrol Blvd. Belle Vernon, PA 15012 724-929-7694 Ext. 14 Permit No. 100277	Minerva Landfill ☐ 9000 Minerva Rd. Waynesburg, OH 44688 330-866-3435 Permit No. 15-1292	A & L Salvage, Inc. ☐ 11225 S. R. 45 P.O. Box 333 Lisbon, OH 44432 330-424-3739 Permit No. OH EPA 139120	Signature: Printed Name: Title:	Date:

WHITE-Disposal Site • GREEN-S.T.G. • YELLOW-Contractor • PINK-Generator • GOLD-Pick Up Receipt

Appendix C
Soil Boring Profiles (with Field Screening Results)



NOTES:

1. BASEMAP ADAPTED FROM TETRA TECH, NUS FIGURE ENTITLED 'BUILDING 82 SITE.'
2. ONLY THOSE DRAINS THAT RECEIVED INTERIOR DAMAGE WHICH HAD BEEN CONNECTED TO THE STORM DRAIN OR SANITARY SEWER SYSTEM ARE SHOWN.
3. DPT LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD CONFIRMED AND LOCATED.
4. LIMITED REMOVAL ACTION AT LOCATION UNDER APRON APPROXIMATE AND SHALL BE FIELD VERIFIED.
5. LAYDOWN AREA, TRANSPORTATION ROUTES AND SITE ZONES ARE APPROXIMATE AND SHALL BE FIELD LOCATED.

FIGURE 1

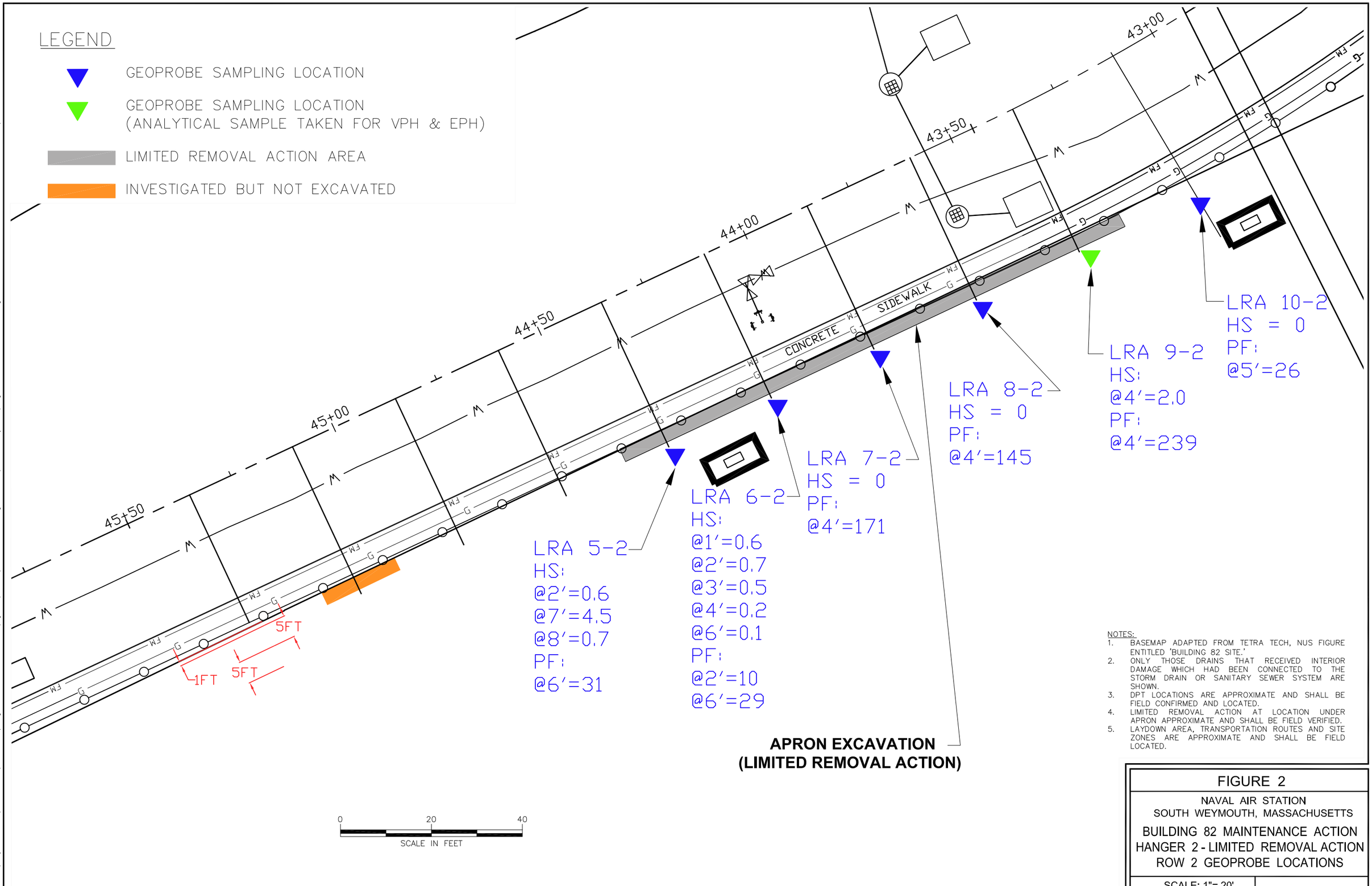
NAVAL AIR STATION
SOUTH WEYMOUTH, MASSACHUSETTS

BUILDING 82 MAINTENANCE ACTION
HANGER 2 - LIMITED REMOVAL ACTION
ROW 1 GEOPROBE LOCATIONS

SCALE: 1"= 20'

FILE: P:\NavyRac-2282\WAS-SOWEY\CTO-0048\Hangar 2 Maintenance Action\Figures\Head Space and Petroflag Cad File\Confirmatory Sampling locations-A006-Rev A.dwg BY: foster.menichelli DATE: 23 Jun 2011 - 4:21pm

CAD FILE: CONFIRMATORY SAMPLING LOCATIONS-A006-REV A.DWG



NOTES:
1. BASEMAP ADAPTED FROM TETRA TECH, NUS FIGURE ENTITLED 'BUILDING 82 SITE.'
2. ONLY THOSE DRAINS THAT RECEIVED INTERIOR DAMAGE WHICH HAD BEEN CONNECTED TO THE STORM DRAIN OR SANITARY SEWER SYSTEM ARE SHOWN.
3. DPT LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD CONFIRMED AND LOCATED.
4. LIMITED REMOVAL ACTION AT LOCATION UNDER APRON APPROXIMATE AND SHALL BE FIELD VERIFIED.
5. LAYDOWN AREA, TRANSPORTATION ROUTES AND SITE ZONES ARE APPROXIMATE AND SHALL BE FIELD LOCATED.

FIGURE 2

NAVAL AIR STATION
SOUTH WEYMOUTH, MASSACHUSETTS

BUILDING 82 MAINTENANCE ACTION
HANGER 2 - LIMITED REMOVAL ACTION
ROW 2 GEOPROBE LOCATIONS

SCALE: 1"= 20'

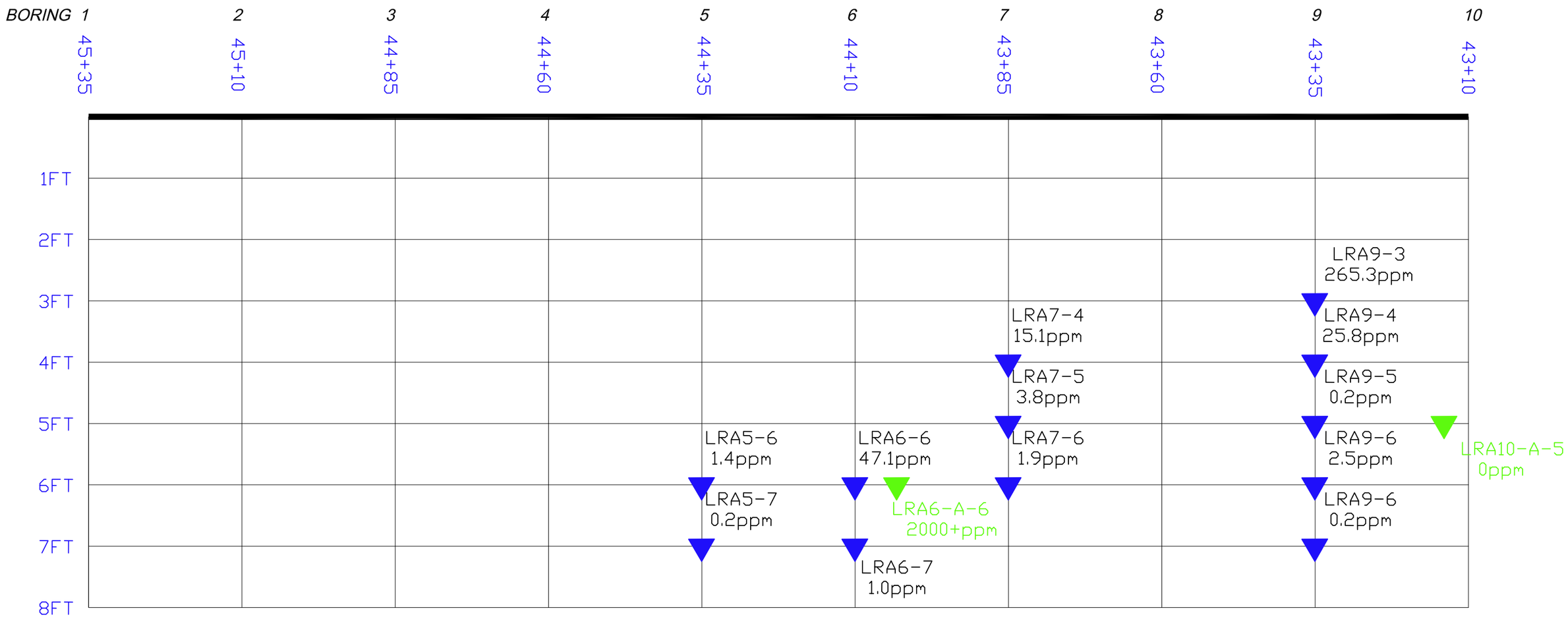
FILE: P:\NavyRac-2282\WAS-SOWEY\CTO-0048\Hangar 2 Maintenance Action\Figures\Head Space and Petroflag Cad File\Confirmatory Sampling locations-A007-Rev A.dwg BY: foster.menichelli DATE: 23 Jun 2011 - 4:31pm

CAD FILE: CONFIRMATORY SAMPLING LOCATIONS-A007-REV A.DWG

LEGEND

▼ – GEOPROBE SAMPLING LOCATION

▼ – GEOPROBE SAMPLING LOCATION (ANALYTICAL SAMPLE TAKEN FOR VPH & EPH)



ROW 1 HEADSPACE DATA

FIGURE 3

NAVAL AIR STATION
SOUTH WEYMOUTH, MASSACHUSETTS

BUILDING 82 MAINTENANCE ACTION
LIMITED REMOVAL ACTION
ROW 1 HEADSPACE DATA

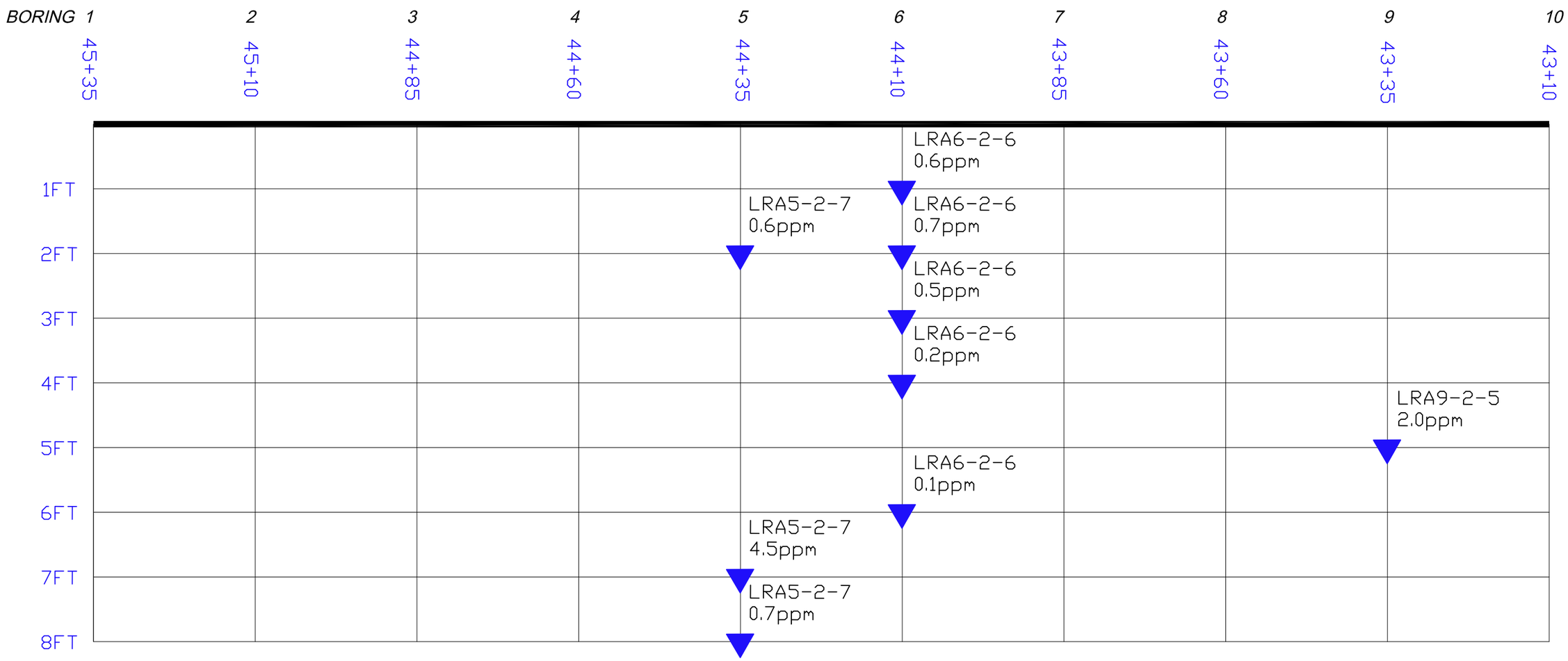
NOT TO SCALE

FILE: P:\NavyRac-2282\NAS-SOWEY\CTO-0048\Hangar 2 Maintenance Action\Figures\Head Space and Petroflag Cad File\Confirmatory Sampling locations-A002-Rev A.dwg BY: foster.menichelli DATE: 13 Jul 2011 - 12:30pm

CAD FILE: CONFIRMATORY SAMPLING LOCATIONS-A002-REV A.DWG

LEGEND

▼ – GEOPROBE SAMPLING LOCATION



ROW 2 HEADSPACE DATA

FIGURE 4

NAVAL AIR STATION
SOUTH WEYMOUTH, MASSACHUSETTS

BUILDING 82 MAINTENANCE ACTION
LIMITED REMOVAL ACTION
ROW 2 HEADSPACE DATA

NOT TO SCALE

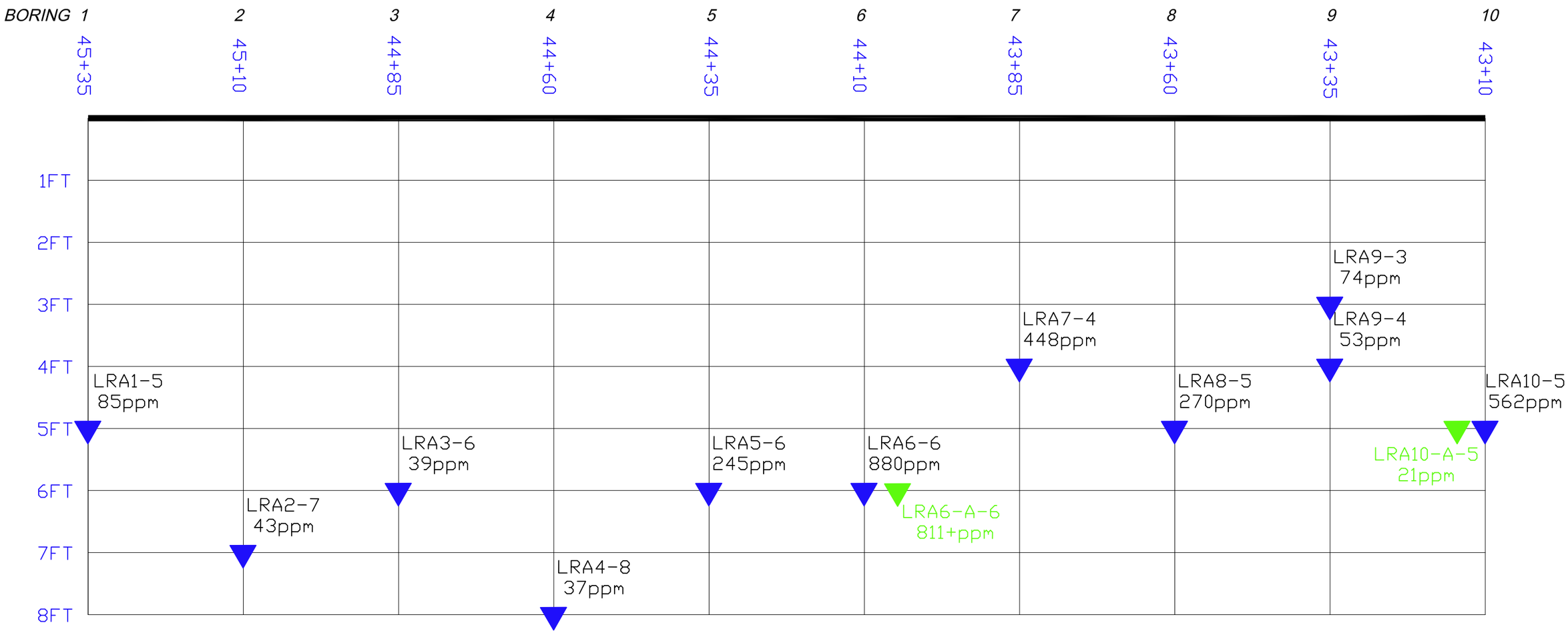
FILE: P:\NavyRac-2282\NAS-SOWEY\CTO-0048\Hangar 2 Maintenance Action\Figures\Head Space and Petroflag Cad File\Confirmatory Sampling locations-A003-Rev A.dwg BY: foster.menichelli DATE: 13 Jul 2011 - 10:23am

CAD FILE: CONFIRMATORY SAMPLING LOCATIONS-A003-REV A.DWG

LEGEND

▼ – GEOPROBE SAMPLING LOCATION

▼ – GEOPROBE SAMPLING LOCATION (ANALYTICAL SAMPLE TAKEN FOR VPH & EPH)



ROW 1 PETROFLAG DATA

FIGURE 5

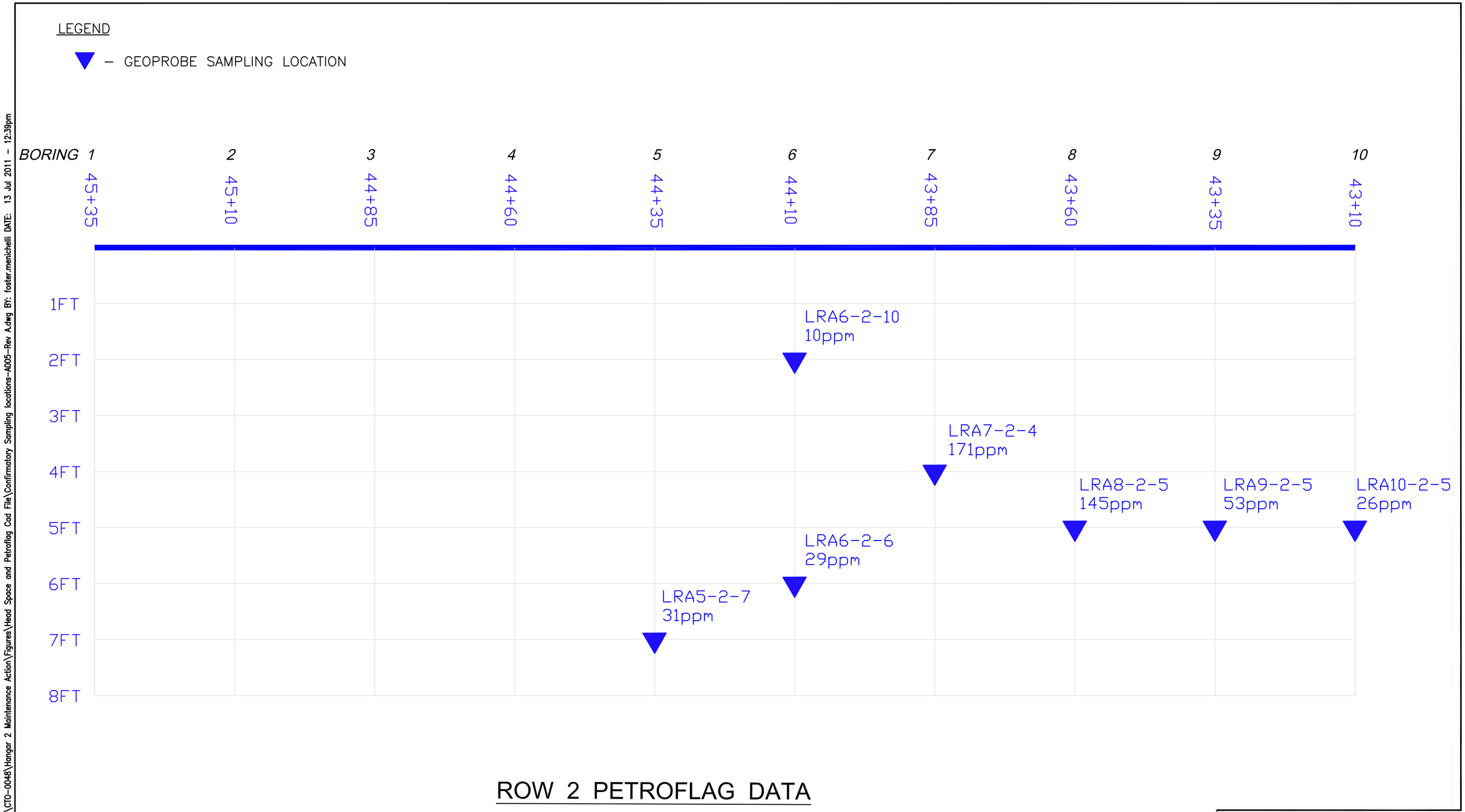
NAVAL AIR STATION
SOUTH WEYMOUTH, MASSACHUSETTS

BUILDING 82 MAINTENANCE ACTION
LIMITED REMOVAL ACTION
ROW 1 PETROFLAG DATA

NOT TO SCALE

FILE: P:\NavyRac-2282\WAS-SOWEY\CTO-0048\Hangar 2 Maintenance Action\Figures\Head Space and Petroflag Cad File\Confirmatory Sampling locations-A004-Rev A.dwg BY: foster.menichelli DATE: 13 Jul 2011 - 12:32pm

CAD FILE: CONFIRMATORY SAMPLING LOCATIONS-A004-REV A.DWG



ROW 2 PETROFLAG DATA

FIGURE 6

NAVAL AIR STATION
SOUTH WEYMOUTH, MASSACHUSETTS

BUILDING 82 MAINTENANCE ACTION
LIMITED REMOVAL ACTION
ROW 2 PETROFLAG DATA

NOT TO SCALE

FILE: P:\NavyRac-2282\NAS-SOWEY\CTO-0048\Hangar 2 Maintenance Action\Figures\Head Space and Petroflag Cad File\Confirmatory Sampling locations-A005-Rev A.dwg BY: foster.menichelli DATE: 13 Jul 2011 - 12:39pm

CAD FILE: CONFIRMATORY SAMPLING LOCATIONS-A005-REV A.DWG

Appendix C
Figure 7

LRA SOIL BORINGS
PETROFLAG AND HEADSPACE RESULTS

	Sample	Headspace	Petroflag	Lab Sample
ROW 1	LRA 1	0	85	
ROW 1	LRA 2	0	43	
ROW 1	LRA 3	0	39	
ROW 1	LRA 4	0	37	
ROW 1	LRA 5-6	1.4	245	
ROW 1	LRA 5-7	0.2		
ROW 1	LRA 6-6	47.1	880	
ROW 1	LRA 6-A-6	2000+	811	EPH & VPH
ROW 1	LRA 6-7	1		
ROW 1	LRA 7-4	15.1	448	
ROW 1	LRA 7-5	3.8		
ROW 1	LRA 7-6	1.9		
ROW 1	LRA 8-5	0	270	
ROW 1	LRA 9-3	265.3	74	
ROW 1	LRA 9-4	25.8	53	
ROW 1	LRA 9-5	0.2		
ROW 1	LRA 9-6	2.5		
ROW 1	LRA 9-7	0.2		
ROW 1	LRA 10-5	0	562	
ROW 1	LRA 10-A-5	0	21	EPH & VPH
ROW 2	LRA 5-2-2	0.6		
ROW 2	LRA 5-2-7	4.5	31	
ROW 2	LRA 5-2-8	0.7		
ROW 2	LRA 6-2-1	0.6		
ROW 2	LRA 6-2-2	0.7	10	
ROW 2	LRA 6-2-3	0.5		
ROW 2	LRA 6-2-4	0.2		
ROW 2	LRA 6-2-6	0.1	29	
ROW 2	LRA 7-2-4	0	171	
ROW 2	LRA 8-2-5	0	145	
ROW 2	LRA 9-2-5	2	239	
ROW 2	LRA 10-2-5	0	26	

Appendix D
Certified Clean Fill Letter

September 06, 2010

Mr. Chris Pereira
Tantara Corp.
54 Mason Street
Worcester, Ma

RE: Delivery of Borrow Materials
South Weymouth Naval Air Base Hanger #2

Certification

I, Daniel Graziano, certify that P.A. Landers Inc., Hedges Pond Road Plymouth, Ma. is a proposed source of borrow or other material to be used as backfill on the S. Weymouth Naval Air Station site , and that it is not the subject of any Release Notifications, Release Tracking Numbers, Response Action Outcome Statements, Tier Classification or Activity and Use Limitations, as these terms are defined in the Massachusetts Contingency Plan, 310 C.M.R. 40.0000, and has not otherwise been listed or identified by the Massachusetts Department of Environmental Protection or the United States Environmental Protection Agency as a location on or under which hazardous wastes or other soil or groundwater contaminants have come to be located. I further certify that I have no knowledge of past or present releases of oil, hazardous materials or other soil or groundwater contaminants at the P.A. Landers, Hedges Pond Road. Site.

In preparing this certification, I have inquired of the owners and operators of P.A. Landers Inc. and the property owners. And have made reasonable efforts to verify the information contained herein and/or obtained from them by contacting the appropriate Regional Office of the Massachusetts Department of Environmental Protection.

I certify under penalties of law that I have personally examined and am familiar with the information contained in this Submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information contained herein, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information.

Signed under the pains and penalties of perjury this 6th day of September 2010

Daniel Graziano
General Sales Manager
P.A. Landers, Inc

Appendix E
Laboratory Analytical Results/Data Validation

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

September 23, 2010

Mr. Richard Claydon
Tetra TECH EC, Inc.
160 Federal Street, 6th Floor
Boston, MA 02110

RE: Analytical Results Case Narrative
Analytics # 67494
NAS SOWEY
South Weymouth, MA

Dear Mr. Claydon:

Enclosed please find the analytical results for samples collected from the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for VOCs by EPA Method 8260B Volatile Petroleum Hydrocarbons (VPH) using MADEP VPH Method Rev 1.1, May 2004, Extractable Petroleum Hydrocarbons by Massachusetts DEP EPH Method, Rev 1.1 May 2004 and Pesticides by EPA Methods 8081A and TAL Metals. The TAL Metals analyses were subcontracted to Test America Laboratories, GA.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level IV package has been assembled in the following order:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- MCP Cover Pages
- Summary Report
- Sample Logbook Pages/Extraction Data Sheets
- VOA Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- VOA Form 2 Surrogate Recoveries
- VOA Form 3 MS/MSD (LCS) Recoveries
- VOA Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
- VOA Form 5 DFTPP Tune Summaries
- VOA Form 6 Initial Calibration Data (equiv.) Response Factor Report
- VOA Form 7 Continuing Calibration Check (equiv.)
- VOA Form 8 Internal Standard Area and RT Summary
- VPH Form 1 Data Sheet
- VPH Form 2 Surrogate Recoveries
- VPH Form 3 MS/MSD and LCS/LCSD Recoveries
- VPH Form 4 Method Blank Summary GC/MS Logbook Sheets
- VPH Form 5 BFB Tune Summaries (24-hr. Tune Window)
- VPH Form 6 Initial Calibration Data Target Compounds and Ranges
- VPH Form 7 Continuing Calibration Check
- VPH Form 8 RT Summary

EPH Form 2 Surrogate Recoveries
EPH Form 3 MS/MSD and LCS/LCSD Recoveries
EPH Form 4 Method Blank Summary GC/MS Logbook Sheets
EPH Form 5 DFTPP Tune Summaries (24-hr. Tune Window)
EPH Form 6 Initial Calibration Data Target Compounds and Ranges
EPH Form 7 Continuing Calibration Check (equiv.)
EPH Form 8 Internal Standard Area and RT Summary
PCB Form 1 Data Sheet for Samples and Blanks
Chromatograms
PCB Form 10 Confirmation Results Form (if required)
PCB Form 2 Surrogate Recoveries
PCB Form 3 MS/MSD (LCS) Recoveries
PCB Form 4 Method Blank Summary (equiv.) GC Logbook Sheets
PCB Form 5 DDT Breakdown Summaries
PCB Form 6 Initial Calibration Data
PCB Form 7 Continuing Calibration Check
PCB Form 8 System Monitoring Compound RT Summary
Chain of Custody (COC) Forms
Sample Receipt Checklist

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations.

VOCs by EPA Method 8260B:
This narrative is specific to the list of target analytes requested by the client and reported on the Form 1 data pages. Non-target (NT) analyte deviations were not addressed. The following analytes were not reported below the quantitation limit in this report: Methylene chloride, Acetone, Methyl Iodide, Hexachlorobutadiene, and Naphthalene.

The following compounds used quadratic fit for quantitation; Bromomethane, and Methylene chloride.

The laboratory control sample (LL08120I) had recovery above the laboratory and MCP acceptance criteria for Methyl ethyl ketone and Naphthalene. In addition 2-Hexanone and Methyl isobutyl ketone had recoveries above the laboratory criteria but within MCP criteria. The laboratory control sample duplicate (LL08120I2) was in control for all analytes.

The continuing calibration standard (file#I43323SC) analyzed 08/16/10 had %D greater than 20% for Vinyl Acetate. Methyl ethyl ketone and Tetrahydrofuran. The laboratory control samples (LL08160I/LL08160I2) were within MCP acceptance criteria for all analytes. These analytes were not detected in any samples aasociated with this QC and results were reported without qualification.

Volatile Petroleum Hydrocarbons (VPH):
No results were reported below the quantitation limit for the C9-C10 aromatic hydrocarbon range.

Extractable Petroleum Hydrocarbons (EPH):
No QC deviations.

Pesticides by EPA Methods 8081A:
This narrative is specific to the list of target analytes requested by the client and reported on the Form 1 data pages.

The MS analyzed on sample 67494-6 had most recoveries outside the laboratory acceptance criteria but within MCP criteria. G-Chlordane had high recovery in the MS/MSD on column#1 due to an interfering peak. Column#2 had all recoveries within MCP criteria. In addition all RPDs had recoveries outside acceptance criteria for the MS/MSD pair. The laboratory control samples (L08110PAST/LD081110PAST) were in control for all recoveries and RPDs. No analytes were detected in any samples for this SDG and results were reported without qualification.

If you have any questions or I can be of further assistance, please do not hesitate to contact me.

Sincerely
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

Report Number: 67494

Revision: Rev. 0

Re: NASOWEY

Enclosed are the results of the analyses on your sample(s). Samples were received on 11 August 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Sample Analysis: The attached pages detail the Client Sample IDs, Lab Sample IDs, and Analyses requested

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 09/23/2010

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

CLIENT: Tetra Tech EC, Inc. **REPORT NUMBER: 67494** **REV: Rev. 0**

PROJECT: NASOWEY

Lab Number	Sample Date	Station Location	Analysis	Comments
67494-1	08/10/10	MW200-1	EPA 8260 Volatile Organics	
67494-2	08/10/10	MW200-2	EPA 8260 Volatile Organics	
67494-3	08/10/10	MW200-3	EPA 8260 Volatile Organics	
67494-4	08/10/10	MW200-4	EPA 8260 Volatile Organics	
67494-5	08/10/10	FDS-6	EPA 8260 Volatile Organics	
	08/10/10	FDS-6	MADEP EPH	
	08/10/10	FDS-6	TAL Metals	
	08/10/10	FDS-6	Volatile Petroleum Hydrocarbons	
67494-6	08/10/10	FDS-5	EPA 8081 (Pesticides only)	
	08/10/10	FDS-5	MADEP EPH	
	08/10/10	FDS-5	TAL Metals	
	08/10/10	FDS-5	Volatile Petroleum Hydrocarbons	
67494-7	08/10/10	Trip Blank	Electronic Data Deliverable	
	08/10/10	Trip Blank	EPA 8260 Volatile Organics	

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 67494

Project Location: NASOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

67494-1, 67494-2, 67494-3, 67494-4, 67494-5, 67494-6, 67494-7

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☒	8081 Pesticides CAM V B ☒	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☒	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☒ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Assistant Laboratory Director

Printed Name: Melissa Gulli **Date:** September 23, 2010

Summary Report

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

Lab Sample ID: LB08120I
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 08/12/10

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	98 %	d8-Toluene	99 %	Bromofluorobenzen	95 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

Lab Sample ID: LB08160B
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 08/16/10

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	89	%	d8-Toluene	98	%	Bromofluorobenzen	93 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

Lab Sample ID: 67494-1
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/12/10

CLIENT SAMPLE ID

Project Name: NASOWEY
Project Number:
Field Sample ID: MW200-1

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	103	%	d8-Toluene	101	%	Bromofluorobenzen	98	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Field Sample ID: MW200-2

Lab Sample ID: 67494-2
Matrix: Solid
Percent Solid: 98
Dilution Factor: 1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/12/10

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	**11**	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	103	%	d8-Toluene	98	%	Bromofluorobenzen	100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

Lab Sample ID: 67494-3
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/16/10

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Field Sample ID: MW200-3

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.8	U	1,1,2-Trichloroethane	2.8	U
Chloromethane	2.8	U	1,3-Dichloropropane	2.8	U
Vinyl Chloride	2.8	U	Tetrachloroethene	2.8	U
Bromomethane	2.8	U	2-Hexanone	14	U
Chloroethane	2.8	U	Dibromochloromethane	2.8	U
Trichlorofluoromethane	2.8	U	1,2-Dibromoethane	2.8	U
1,1-Dichloroethene	2.8	U	Chlorobenzene	2.8	U
Acetone	14	U	1,1,1,2-Tetrachloroethane	2.8	U
Methyl iodide	2.8	U	Ethylbenzene	2.8	U
Carbon Disulfide	2.8	U	o-Xylene	2.8	U
Methylene Chloride	14	U	m,p-Xylene	2.8	U
trans-1,2-Dichloroethene	2.8	U	Styrene	2.8	U
Methyl-tert-butyl ether (MTBE)	2.8	U	Bromoform	2.8	U
1,1-Dichloroethane	2.8	U	Isopropylbenzene	2.8	U
Vinyl acetate	7	U	1,1,2,2-Tetrachloroethane	2.8	U
Methyl ethyl ketone	14	U	Bromobenzene	2.8	U
cis-1,2-Dichloroethene	2.8	U	1,2,3-Trichloropropane	2.8	U
2,2-Dichloropropane	2.8	U	n-Propylbenzene	2.8	U
Bromochloromethane	2.8	U	2-Chlorotoluene	2.8	U
Chloroform	2.8	U	1,3,5-Trimethylbenzene	2.8	U
1,1,1-Trichloroethane	2.8	U	4-Chlorotoluene	2.8	U
1,1-Dichloropropene	2.8	U	tert-butylbenzene	2.8	U
Carbon Tetrachloride	2.8	U	1,2,4-Trimethylbenzene	2.8	U
1,2-Dichloroethane	2.8	U	sec-butylbenzene	2.8	U
Benzene	2.8	U	p-isopropyltoluene	2.8	U
Trichloroethene	2.8	U	1,3-Dichlorobenzene	2.8	U
1,2-Dichloropropane	2.8	U	1,4-Dichlorobenzene	2.8	U
Dibromomethane	2.8	U	n-butylbenzene	2.8	U
Bromodichloromethane	2.8	U	1,2-Dichlorobenzene	2.8	U
cis-1,3-Dichloropropene	2.8	U	1,2-Dibromo-3-chloropropane	2.8	U
Methyl isobutyl ketone	14	U	1,2,4-Trichlorobenzene	2.8	U
Toluene	2.8	U	Hexachlorobutadiene	2.8	U
trans-1,3-Dichloropropene	2.8	U	Naphthalene	2.8	U
			1,2,3-Trichlorobenzene	2.8	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	88	%	d8-Toluene	98	%	Bromofluorobenzen	91	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

Lab Sample ID: 67494-4
Matrix: Solid
Percent Solid: 98
Dilution Factor: 1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/13/10

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Field Sample ID: MW200-4

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	1.9	U	1,1,2-Trichloroethane	1.9	U
Chloromethane	1.9	U	1,3-Dichloropropane	1.9	U
Vinyl Chloride	1.9	U	Tetrachloroethene	1.9	U
Bromomethane	1.9	U	2-Hexanone	9.4	U
Chloroethane	1.9	U	Dibromochloromethane	1.9	U
Trichlorofluoromethane	1.9	U	1,2-Dibromoethane	1.9	U
1,1-Dichloroethene	1.9	U	Chlorobenzene	1.9	U
Acetone	9.4	U	1,1,1,2-Tetrachloroethane	1.9	U
Methyl iodide	1.9	U	Ethylbenzene	1.9	U
Carbon Disulfide	1.9	U	o-Xylene	1.9	U
Methylene Chloride	9.4	U	m,p-Xylene	1.9	U
trans-1,2-Dichloroethene	1.9	U	Styrene	1.9	U
Methyl-tert-butyl ether (MTBE)	1.9	U	Bromoform	1.9	U
1,1-Dichloroethane	1.9	U	Isopropylbenzene	1.9	U
Vinyl acetate	4.7	U	1,1,2,2-Tetrachloroethane	1.9	U
Methyl ethyl ketone	9.4	U	Bromobenzene	1.9	U
cis-1,2-Dichloroethene	1.9	U	1,2,3-Trichloropropane	1.9	U
2,2-Dichloropropane	1.9	U	n-Propylbenzene	1.9	U
Bromochloromethane	1.9	U	2-Chlorotoluene	1.9	U
Chloroform	1.9	U	1,3,5-Trimethylbenzene	1.9	U
1,1,1-Trichloroethane	1.9	U	4-Chlorotoluene	1.9	U
1,1-Dichloropropene	1.9	U	tert-butylbenzene	1.9	U
Carbon Tetrachloride	1.9	U	1,2,4-Trimethylbenzene	1.9	U
1,2-Dichloroethane	1.9	U	sec-butylbenzene	1.9	U
Benzene	1.9	U	p-isopropyltoluene	1.9	U
Trichloroethene	1.9	U	1,3-Dichlorobenzene	1.9	U
1,2-Dichloropropane	1.9	U	1,4-Dichlorobenzene	1.9	U
Dibromomethane	1.9	U	n-butylbenzene	1.9	U
Bromodichloromethane	1.9	U	1,2-Dichlorobenzene	1.9	U
cis-1,3-Dichloropropene	1.9	U	1,2-Dibromo-3-chloropropane	1.9	U
Methyl isobutyl ketone	9.4	U	1,2,4-Trichlorobenzene	1.9	U
Toluene	1.9	U	Hexachlorobutadiene	1.9	U
trans-1,3-Dichloropropene	1.9	U	Naphthalene	1.9	U
			1,2,3-Trichlorobenzene	1.9	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	91	%	d8-Toluene	98	%	Bromofluorobenzen	94 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

Lab Sample ID: 67494-5
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/13/10

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Field Sample ID: FDS-6

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.2	U	1,1,2-Trichloroethane	2.2	U
Chloromethane	2.2	U	1,3-Dichloropropane	2.2	U
Vinyl Chloride	2.2	U	Tetrachloroethene	2.2	U
Bromomethane	2.2	U	2-Hexanone	11	U
Chloroethane	2.2	U	Dibromochloromethane	2.2	U
Trichlorofluoromethane	2.2	U	1,2-Dibromoethane	2.2	U
1,1-Dichloroethene	2.2	U	Chlorobenzene	2.2	U
Acetone	11	U	1,1,1,2-Tetrachloroethane	2.2	U
Methyl iodide	2.2	U	Ethylbenzene	2.2	U
Carbon Disulfide	2.2	U	o-Xylene	2.2	U
Methylene Chloride	11	**11**	m,p-Xylene	2.2	U
trans-1,2-Dichloroethene	2.2	U	Styrene	2.2	U
Methyl-tert-butyl ether (MTBE)	2.2	U	Bromoform	2.2	U
1,1-Dichloroethane	2.2	U	Isopropylbenzene	2.2	U
Vinyl acetate	5.5	U	1,1,2,2-Tetrachloroethane	2.2	U
Methyl ethyl ketone	11	U	Bromobenzene	2.2	U
cis-1,2-Dichloroethene	2.2	U	1,2,3-Trichloropropane	2.2	U
2,2-Dichloropropane	2.2	U	n-Propylbenzene	2.2	U
Bromochloromethane	2.2	U	2-Chlorotoluene	2.2	U
Chloroform	2.2	U	1,3,5-Trimethylbenzene	2.2	U
1,1,1-Trichloroethane	2.2	U	4-Chlorotoluene	2.2	U
1,1-Dichloropropene	2.2	U	tert-butylbenzene	2.2	U
Carbon Tetrachloride	2.2	U	1,2,4-Trimethylbenzene	2.2	U
1,2-Dichloroethane	2.2	U	sec-butylbenzene	2.2	U
Benzene	2.2	U	p-isopropyltoluene	2.2	U
Trichloroethene	2.2	U	1,3-Dichlorobenzene	2.2	U
1,2-Dichloropropane	2.2	U	1,4-Dichlorobenzene	2.2	U
Dibromomethane	2.2	U	n-butylbenzene	2.2	U
Bromodichloromethane	2.2	U	1,2-Dichlorobenzene	2.2	U
cis-1,3-Dichloropropene	2.2	U	1,2-Dibromo-3-chloropropane	2.2	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.2	U
Toluene	2.2	U	Hexachlorobutadiene	2.2	U
trans-1,3-Dichloropropene	2.2	U	Naphthalene	2.2	U
			1,2,3-Trichlorobenzene	2.2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	90 %	d8-Toluene	96 %	Bromofluorobenzen	93 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

Lab Sample ID: 67494-5 RR
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/16/10

CLIENT SAMPLE ID

Project Name: NASOWEY
Project Number:
Field Sample ID: FDS-6

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.9	U	1,1,2-Trichloroethane	2.9	U
Chloromethane	2.9	U	1,3-Dichloropropane	2.9	U
Vinyl Chloride	2.9	U	Tetrachloroethene	2.9	U
Bromomethane	2.9	U	2-Hexanone	14	U
Chloroethane	2.9	U	Dibromochloromethane	2.9	U
Trichlorofluoromethane	2.9	U	1,2-Dibromoethane	2.9	U
1,1-Dichloroethene	2.9	U	Chlorobenzene	2.9	U
Acetone	14	**27**	1,1,1,2-Tetrachloroethane	2.9	U
Methyl iodide	2.9	U	Ethylbenzene	2.9	U
Carbon Disulfide	2.9	U	o-Xylene	2.9	U
Methylene Chloride	14	U	m,p-Xylene	2.9	U
trans-1,2-Dichloroethene	2.9	U	Styrene	2.9	U
Methyl-tert-butyl ether (MTBE)	2.9	U	Bromoform	2.9	U
1,1-Dichloroethane	2.9	U	Isopropylbenzene	2.9	U
Vinyl acetate	7.2	U	1,1,2,2-Tetrachloroethane	2.9	U
Methyl ethyl ketone	14	U	Bromobenzene	2.9	U
cis-1,2-Dichloroethene	2.9	U	1,2,3-Trichloropropane	2.9	U
2,2-Dichloropropane	2.9	U	n-Propylbenzene	2.9	U
Bromochloromethane	2.9	U	2-Chlorotoluene	2.9	U
Chloroform	2.9	U	1,3,5-Trimethylbenzene	2.9	U
1,1,1-Trichloroethane	2.9	U	4-Chlorotoluene	2.9	U
1,1-Dichloropropene	2.9	U	tert-butylbenzene	2.9	U
Carbon Tetrachloride	2.9	U	1,2,4-Trimethylbenzene	2.9	U
1,2-Dichloroethane	2.9	U	sec-butylbenzene	2.9	U
Benzene	2.9	U	p-isopropyltoluene	2.9	U
Trichloroethene	2.9	U	1,3-Dichlorobenzene	2.9	U
1,2-Dichloropropane	2.9	U	1,4-Dichlorobenzene	2.9	U
Dibromomethane	2.9	U	n-butylbenzene	2.9	U
Bromodichloromethane	2.9	U	1,2-Dichlorobenzene	2.9	U
cis-1,3-Dichloropropene	2.9	U	1,2-Dibromo-3-chloropropane	2.9	U
Methyl isobutyl ketone	14	U	1,2,4-Trichlorobenzene	2.9	U
Toluene	2.9	U	Hexachlorobutadiene	2.9	U
trans-1,3-Dichloropropene	2.9	U	Naphthalene	2.9	U
			1,2,3-Trichlorobenzene	2.9	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	86 %	d8-Toluene	96 %	Bromofluorobenzen	91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Field Sample ID: Trip Blank

Lab Sample ID: 67494-7
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/12/10

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	**14**	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	102	%	d8-Toluene	100	%	Bromofluorobenzen	97	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67494

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	95		99		96	
LL08120I	96		98		97	
LL08120I2	93		99		94	
LB08120I	98		99		95	
67494-7	102		100		97	
67494-1	103		101		98	
67494-2	103		98		100	
67494-4	91		98		94	
67494-5	90		96		93	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67494

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	89		94		94	
LL08160I	89		96		91	
LL08160I2	88		96		92	
LB08160B	89		98		93	
67494-3	88		98		91	
67494-5	86		96		91	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG: 67494
Non-spiked sample: LB08120I
Spike: LL08120I
Spike duplicate: LL08120I2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	20	75	125	25	0.0	18	92		18	92		1	
Chloromethane	20	20	75	125	25	0.0	20	98		19	95		3	
Vinyl Chloride	20	20	75	125	25	0.0	19	96		19	96		1	
Bromomethane	20	20	75	125	25	0.0	19	95		18	90		5	
Chloroethane	20	20	75	125	25	0.0	20	100		20	99		1	
t-Butyl alcohol (TBA)	100	100	75	125	25	0.0	118	118		102	102		15	
Trichlorofluoromethane	20	20	75	125	25	0.0	17	86		17	86		0	
Diethyl ether	20	20	75	125	25	0.0	23	113		21	106		6	
1,1,2-Trichlorotrifluoroethane	20	20	75	125	25	0.0	19	94		18	91		3	
Acetone	100	100	75	125	25	0.0	123	123		108	108		13	
1,1-Dichloroethene	20	20	75	125	25	0.0	20	99		19	97		3	
Methyl iodide	20	20	75	125	25	0.0	24	118		24	119		1	
Di-isopropyl ether (DIPE)	20	20	75	125	25	0.0	23	114		22	109		5	
Methylene Chloride	20	20	75	125	25	0.0	20	102		18	92		11	
Carbon Disulfide	20	20	75	125	25	0.0	22	108		21	106		3	
Methyl-tert-butyl ether (MTBE)	40	40	75	125	25	0.0	46	116		44	109		6	
trans-1,2-Dichloroethene	20	20	75	125	25	0.0	21	104		20	100		4	
1,1-Dichloroethane	20	20	75	125	25	0.0	21	104		20	101		3	
Vinyl acetate	20	20	75	125	25	0.0	20	100		18	90		10	
Methyl ethyl ketone	100	100	75	125	25	0.0	133	133	*	114	114		15	
Ethyl t-butyl ether (ETBE)	20	20	75	125	25	0.0	23	113		21	107		5	
2,2-Dichloropropane	20	20	75	125	25	0.0	20	100		20	99		1	
cis-1,2-Dichloroethene	20	20	75	125	25	0.0	22	108		21	103		4	
t-Amyl methyl ether (TAME)	20	20	75	125	25	0.0	23	114		21	106		7	
Chloroform	20	20	75	125	25	0.0	21	105		20	99		5	
Bromochloromethane	20	20	75	125	25	0.0	22	112		21	106		6	
Tetrahydrofuran	20	20	75	125	25	0.0	24	120		22	110		9	
1,1,1-Trichloroethane	20	20	75	125	25	0.0	21	103		20	100		3	
1,1-Dichloropropene	20	20	75	125	25	0.0	20	102		20	101		1	
Carbon Tetrachloride	20	20	75	125	25	0.0	20	101		20	99		2	
1,2-Dichloroethane	20	20	75	125	25	0.0	21	104		20	98		6	
Benzene	20	20	75	125	25	0.0	21	105		20	101		4	
Trichloroethene	20	20	75	125	25	0.0	21	104		20	100		4	
1,2-Dichloropropane	20	20	75	125	25	0.0	21	107		20	102		5	
Methylmethacrylate	20	20	75	125	25	0.0	24	118		22	108		9	
Bromodichloromethane	20	20	75	125	25	0.0	21	106		20	100		6	
Dibromomethane	20	20	75	125	25	0.0	21	107		20	102		5	
1,4-Dioxane	500	500	75	125	25	0.0	581	116		515	103		12	
2-Hexanone	100	100	75	125	25	0.0	128	128	*	114	114		12	
Methyl isobutyl ketone	100	100	75	125	25	0.0	126	126	*	115	115		9	
cis-1,3-Dichloropropene	20	20	75	125	25	0.0	22	111		21	106		5	
Toluene	20	20	75	125	25	0.0	21	106		21	103		3	
trans-1,3-Dichloropropene	20	20	75	125	25	0.0	20	99		19	94		5	
1,1,2-Trichloroethane	20	20	75	125	25	0.0	22	112		21	105		6	
1,3-Dichloropropane	20	20	75	125	25	0.0	22	110		21	104		6	
Tetrachloroethene	20	20	75	125	25	0.0	24	120		22	108		11	
Dibromochloromethane	20	20	75	125	25	0.0	22	110		21	105		5	
1,2-Dibromoethane	20	20	75	125	25	0.0	22	111		21	105		6	
Chlorobenzene	20	20	75	125	25	0.0	22	111		21	105		5	
1,1,1,2-Tetrachloroethane	20	20	75	125	25	0.0	22	111		21	106		5	
Ethylbenzene	20	20	75	125	25	0.0	22	109		21	104		4	
m,p-Xylene	40	40	75	125	25	0.0	44	110		42	106		4	
o-Xylene	20	20	75	125	25	0.0	22	111		21	105		5	
Styrene	20	20	75	125	25	0.0	23	114		22	109		5	
Bromoform	20	20	75	125	25	0.0	23	114		21	104		9	

VOA FORM 3

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG: 67494
Non-spiked sample: LB08120I
Spike: LL08120I
Spike duplicate: LL08120I2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Isopropylbenzene	20	20	75	125	25	0.0	19	96		19	93		3	
1,1,2,2-Tetrachloroethane	20	20	75	125	25	0.0	22	111		20	100		10	
1,2,3-Trichloropropane	20	20	75	125	25	0.0	22	110		20	101		9	
trans-1,4-Dichloro-2-butene	20	20	75	125	25	0.0	22	109		20	101		8	
n-Propylbenzene	20	20	75	125	25	0.0	22	108		21	103		5	
Bromobenzene	20	20	75	125	25	0.0	23	113		21	107		5	
1,3,5-Trimethylbenzene	20	20	75	125	25	0.0	22	110		21	105		5	
2-Chlorotoluene	20	20	75	125	25	0.0	21	106		21	103		3	
4-Chlorotoluene	20	20	75	125	25	0.0	21	105		20	100		5	
tert-butylbenzene	20	20	75	125	25	0.0	23	116		23	115		0	
1,2,4-Trimethylbenzene	20	20	75	125	25	0.0	21	107		21	105		2	
sec-butylbenzene	20	20	75	125	25	0.0	22	111		21	107		3	
p-isopropyltoluene	20	20	75	125	25	0.0	21	107		21	103		4	
1,3-Dichlorobenzene	20	20	75	125	25	0.0	22	109		21	104		4	
1,4-Dichlorobenzene	20	20	75	125	25	0.0	22	111		21	106		4	
n-butylbenzene	20	20	75	125	25	0.0	22	111		22	110		0	
1,2-Dichlorobenzene	20	20	75	125	25	0.0	23	113		22	109		3	
1,2-Dibromo-3-chloropropane	20	20	75	125	25	0.0	23	116		21	103		11	
1,2,4-Trichlorobenzene	20	20	75	125	25	0.0	22	110		22	108		2	
Hexachlorobutadiene	20	20	75	125	25	0.0	23	116		22	111		4	
Naphthalene	20	20	75	125	25	0.0	27	133	*	24	119		11	
1,2,3-Trichlorobenzene	20	20	75	125	25	0.0	24	121		22	112		7	
1,3,5-Trichlorobenzene	20	20	75	125	25	0.0	23	113		22	110		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOA FORM 3

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG: 67494
Non-spiked sample: LB08160B
Spike: LL08160I
Spike duplicate: LL08160I2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	20	75	125	25	0.0	17	83		17	85		2	
Chloromethane	20	20	75	125	25	0.0	19	94		19	93		1	
Vinyl Chloride	20	20	75	125	25	0.0	18	90		18	91		1	
Bromomethane	20	20	75	125	25	0.0	18	91		18	90		1	
Chloroethane	20	20	75	125	25	0.0	21	105		21	106		1	
t-Butyl alcohol (TBA)	100	100	75	125	25	0.0	121	121		108	108		11	
Trichlorofluoromethane	20	20	75	125	25	0.0	16	80		16	81		1	
Diethyl ether	20	20	75	125	25	0.0	23	113		22	108		4	
1,1,2-Trichlorotrifluoroethane	20	20	75	125	25	0.0	20	101		20	101		0	
Acetone	100	100	75	125	25	0.0	107	107		101	101		5	
1,1-Dichloroethene	20	20	75	125	25	0.0	21	104		21	104		0	
Methyl iodide	20	20	75	125	25	0.0	23	116		23	115		1	
Di-isopropyl ether (DIPE)	20	20	75	125	25	0.0	22	111		22	108		2	
Methylene Chloride	20	20	75	125	25	0.0	21	103		20	101		2	
Carbon Disulfide	20	20	75	125	25	0.0	23	117		23	117		1	
Methyl-tert-butyl ether (MTBE)	40	40	75	125	25	0.0	44	110		43	109		1	
trans-1,2-Dichloroethene	20	20	75	125	25	0.0	21	105		21	103		3	
1,1-Dichloroethane	20	20	75	125	25	0.0	21	104		21	103		1	
Vinyl acetate	20	20	75	125	25	0.0	25	124		24	118		5	
Methyl ethyl ketone	100	100	75	125	25	0.0	129	129	*	117	117		9	
Ethyl t-butyl ether (ETBE)	20	20	75	125	25	0.0	22	111		22	110		2	
2,2-Dichloropropane	20	20	75	125	25	0.0	21	106		21	106		0	
cis-1,2-Dichloroethene	20	20	75	125	25	0.0	21	107		21	107		0	
t-Amyl methyl ether (TAME)	20	20	75	125	25	0.0	23	114		22	112		1	
Chloroform	20	20	75	125	25	0.0	20	99		20	99		0	
Bromochloromethane	20	20	75	125	25	0.0	22	110		22	109		1	
Tetrahydrofuran	20	20	75	125	25	0.0	23	117		23	114		2	
1,1,1-Trichloroethane	20	20	75	125	25	0.0	20	100		20	101		2	
1,1-Dichloropropene	20	20	75	125	25	0.0	21	105		21	106		1	
Carbon Tetrachloride	20	20	75	125	25	0.0	21	104		21	103		0	
1,2-Dichloroethane	20	20	75	125	25	0.0	19	95		19	95		1	
Benzene	20	20	75	125	25	0.0	21	106		21	105		2	
Trichloroethene	20	20	75	125	25	0.0	20	99		20	102		3	
1,2-Dichloropropane	20	20	75	125	25	0.0	21	105		21	104		1	
Methylmethacrylate	20	20	75	125	25	0.0	23	114		23	114		1	
Bromodichloromethane	20	20	75	125	25	0.0	20	98		20	99		1	
Dibromomethane	20	20	75	125	25	0.0	20	98		20	98		0	
1,4-Dioxane	500	500	75	125	25	0.0	584	117		535	107		9	
2-Hexanone	100	100	75	125	25	0.0	121	121		119	119		2	
Methyl isobutyl ketone	100	100	75	125	25	0.0	115	115		115	115		1	
cis-1,3-Dichloropropene	20	20	75	125	25	0.0	22	108		22	109		1	
Toluene	20	20	75	125	25	0.0	21	104		21	106		2	
trans-1,3-Dichloropropene	20	20	75	125	25	0.0	19	97		20	98		1	
1,1,2-Trichloroethane	20	20	75	125	25	0.0	20	102		21	104		2	
1,3-Dichloropropane	20	20	75	125	25	0.0	21	104		21	105		1	
Tetrachloroethene	20	20	75	125	25	0.0	17	85		18	89		4	
Dibromochloromethane	20	20	75	125	25	0.0	21	105		21	106		0	
1,2-Dibromoethane	20	20	75	125	25	0.0	21	103		20	102		1	
Chlorobenzene	20	20	75	125	25	0.0	21	107		22	109		2	
1,1,1,2-Tetrachloroethane	20	20	75	125	25	0.0	22	109		22	109		0	
Ethylbenzene	20	20	75	125	25	0.0	21	105		21	107		2	
m,p-Xylene	40	40	75	125	25	0.0	43	107		44	110		2	
o-Xylene	20	20	75	125	25	0.0	22	109		22	110		1	
Styrene	20	20	75	125	25	0.0	22	112		22	112		1	
Bromoform	20	20	75	125	25	0.0	22	108		22	108		0	

VOA FORM 3

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG: 67494
Non-spiked sample: LB08160B
Spike: LL08160I
Spike duplicate: LL08160I2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Isopropylbenzene	20	20	75	125	25	0.0	19	93		19	96		3	
1,1,2,2-Tetrachloroethane	20	20	75	125	25	0.0	21	105		21	103		2	
1,2,3-Trichloropropane	20	20	75	125	25	0.0	20	99		20	101		1	
trans-1,4-Dichloro-2-butene	20	20	75	125	25	0.0	21	105		21	105		1	
n-Propylbenzene	20	20	75	125	25	0.0	21	104		21	107		3	
Bromobenzene	20	20	75	125	25	0.0	21	106		22	110		4	
1,3,5-Trimethylbenzene	20	20	75	125	25	0.0	21	105		22	108		2	
2-Chlorotoluene	20	20	75	125	25	0.0	20	101		20	102		2	
4-Chlorotoluene	20	20	75	125	25	0.0	20	100		20	102		2	
tert-butylbenzene	20	20	75	125	25	0.0	19	97		19	97		1	
1,2,4-Trimethylbenzene	20	20	75	125	25	0.0	21	103		21	105		2	
sec-butylbenzene	20	20	75	125	25	0.0	21	106		22	110		3	
p-isopropyltoluene	20	20	75	125	25	0.0	21	107		22	109		2	
1,3-Dichlorobenzene	20	20	75	125	25	0.0	21	106		22	109		2	
1,4-Dichlorobenzene	20	20	75	125	25	0.0	22	108		22	110		1	
n-butylbenzene	20	20	75	125	25	0.0	22	110		23	114		3	
1,2-Dichlorobenzene	20	20	75	125	25	0.0	22	111		22	112		1	
1,2-Dibromo-3-chloropropane	20	20	75	125	25	0.0	21	105		22	108		3	
1,2,4-Trichlorobenzene	20	20	75	125	25	0.0	21	106		22	110		3	
Hexachlorobutadiene	20	20	75	125	25	0.0	21	106		23	114		7	
Naphthalene	20	20	75	125	25	0.0	24	120		25	125		4	
1,2,3-Trichlorobenzene	20	20	75	125	25	0.0	22	111		23	115		4	
1,3,5-Trichlorobenzene	20	20	75	125	25	0.0	23	115		23	116		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOA FORM 3

GC/MS Volatiles Instrument I:

Analytics environmental laboratory LLC

IS only —

SS+IS V8957

Voltage: 1600

Threshold: 100

Exp: —

Exp: 8/26/10

081210-I

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		GW-I-081210-1-MT							
1	VS08120I	BLK	5mL				I43257	MT	NA
2							58		
3							59		
4							60		
5							61		
6		20 ppb Test					62		
7		BLK					63		
8		BFB 50ng		2ul	V8951	✓	64T		
9		1ppb		.25ul	V8953 V8941	✓	65i		
10		2ppb		.5ul		✓	66i		
11		5ppb		1.25ul		✓	67i		
12		20ppb		5ul		✓	68i		
13		50ppb		12.5ul		✓	69i		
14		100ppb		25ul		✓	70i		
15		BLK					71		
16		BLK					72		
17		20ppb KV		5ul	V8954 V8944	✓ All OK	73Q		
18		BFB 50ng		2ul	V8951	✓	74T		
19		20ppb		5ul	V8953 V8941	✓ All OK	75i		
20		LL08120I	5.00			✓ MEK, 2Hex, MIBK Nap Mong in LCS	76Q		
21		LL08120I2				✓ LCSD All OK RCOS All OK	77Q		
22		BLK	5mL				78		
23		Bromoform		5ul	V8952	✓	79		
24		B808120I	5.00			✓	80R		
25		1ppb LOD	5mL			✓	81		
26		2ppb LOQ				✓ All OK	82		
27		67494-7	TB			✓ ~~RR - MeCl2~~ MT 8/10/10	83		
28		67478-17	TB			✓	84		
29		67494-1	5.32			✓	85		
30		-2	5.08			✓	86		
31		-3	4.85			RR - MeCl2	87		
32		-4	5.43			✓	88		
33		-5	5.14			✓ ~~RR - MeCl2~~ Report both runs	89		
34		67478-1	5.37			✓	90		
35		-3	5.52			✓	91		
36		-4	5.61			✓	92		

Cont on next page

GC/MS Volatiles Instrument I:

Analytics environmental laboratory LLC

IS only —

SS+IS V8957

Exp: —

Exp: 8/12/10

Voltage: 1600

Threshold: 100

081610-I

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-I-081610-1-MLT							
1	V5081210I	BLK	5mL				I43320	MT	NA
2		BLK					21		
3		BFB 50ng		2ml	V8951	✓	22T		
4		20ppb		5ml	V8953 V8956	✓ MEK, THF Mag.	23SC		
5		LL081610I	5.00			✓ MEK Mag in LCS Allebe	24Q		
6		LL081610I2				✓ ok	25Q		
7		BLK	5mL				26		
8		Bromoform		5ml	V8952	✓	27		
9		LB081610I	5.00			✓	28B		
10		BLK	5mL				29		
11		67494-1	5.43			Report 8/12 run	30		
12		-2	4.59			Report 8/12 run	31		
13		-3	3.79			✓	32		
14		-4	4.90			Report 8/12 run	33		
15		-5	3.92			✓ Report both runs	34		
							35		
							36		

MT 8/18/10

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

SDG: 67494
BFB File ID: I43264T.D
BFB Injection Date: 08/12/10
BFB Injection Time: 12:09

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
1 PPB	I43265SI.D	8/12/10 12:55
2 PPB	I43266SI.D	8/12/10 13:23
5 PPB	I43267SI.D	8/12/10 13:51
20 PPB	I43268SI.D	8/12/10 14:19
50 PPB	I43269SI.D	8/12/10 14:47
100 PPB	I43270SI.D	8/12/10 15:15
20 PPB ICV	I43273Q.D	8/12/10 16:40

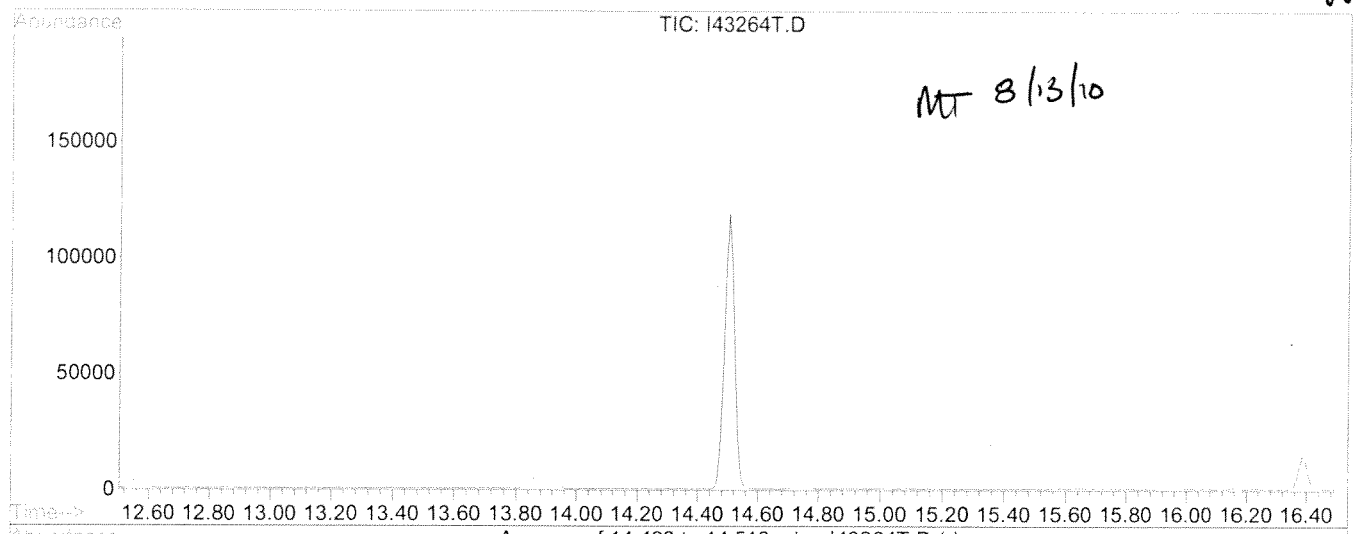
Refer to the BFB report I43264T.D for ion ratio evaluation.

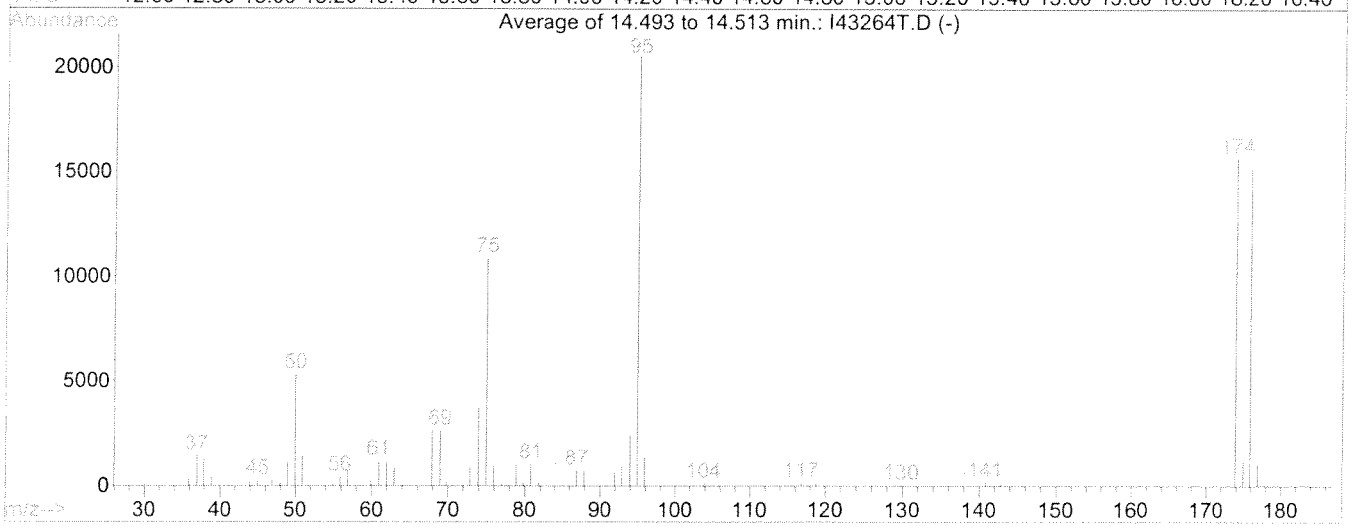
VOA FORM 5

BFB

Data File : C:\HPCHEM\1\DATA\081210-I\I43264T.D Vial: 8
Acq On : 12 Aug 2010 12:09 pm Operator: MT
Sample : BFB 50NG Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil

MT 8/13/10





AutoFind: Scans 1333, 1334, 1335; Background Corrected with Scan 1326

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.9	5331	PASS
75	95	30	60	53.0	10912	PASS
95	95	100	100	100.0	20592	PASS
96	95	5	9	6.6	1359	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.3	15713	PASS
175	174	5	9	7.6	1189	PASS
176	174	95	101	97.1	15254	PASS
177	176	5	9	7.1	1083	PASS

I43264T.D VS08120I.M Fri Aug 13 13:36:58 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

SDG: 67494
BFB File ID: I43274T.D
BFB Injection Date: 08/12/10
BFB Injection Time: 17:19

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
20 PPB	I43275SC.D	8/12/10 17:51
LL08120I	I43276Q.D	8/12/10 18:28
LL08120I2	I43277Q.D	8/12/10 18:57
LB08120I	I43280B.D	8/12/10 20:21
67494-7	I43283.D	8/12/10 21:44
67494-1	I43285.D	8/12/10 22:40
67494-2	I43286.D	8/12/10 23:08
67494-4	I43288.D	8/13/10 0:04
67494-5	I43289.D	8/13/10 0:32

Refer to the BFB report I43274T.D for ion ratio evaluation.

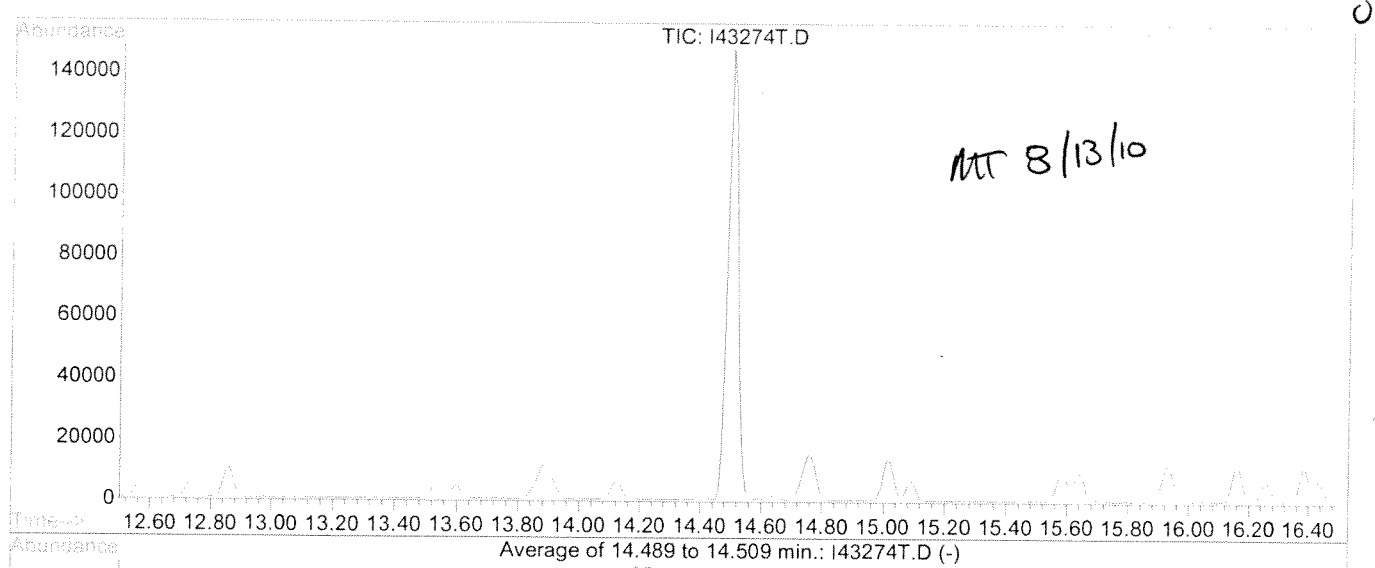
VOA FORM 5

BFB

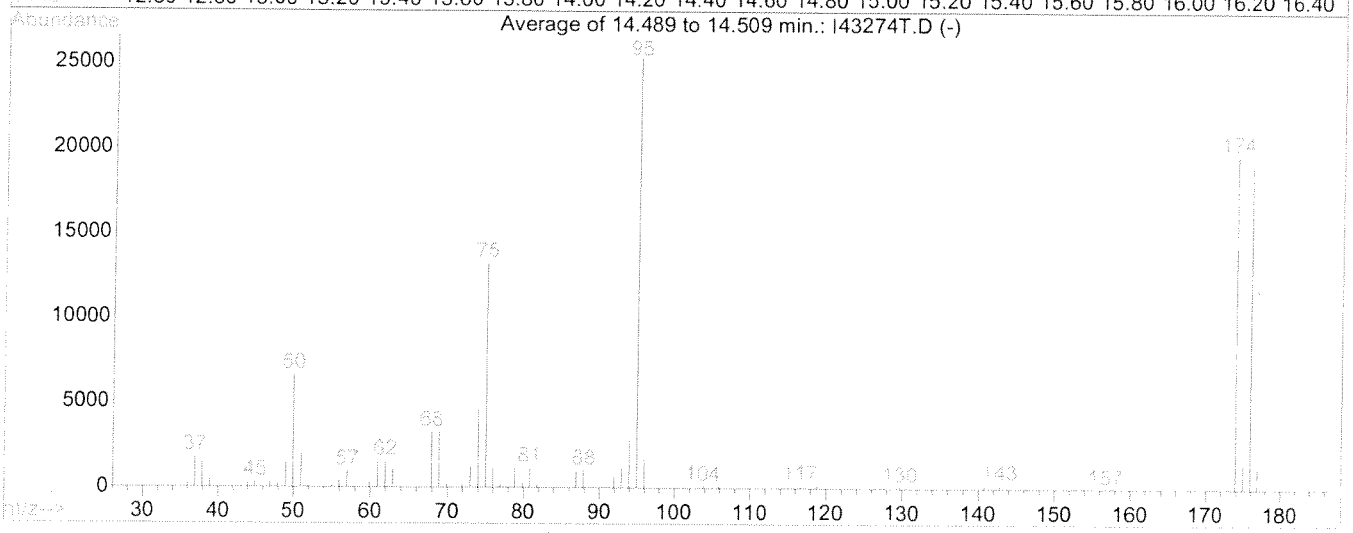
Data File : C:\HPCHEM\1\DATA\081210-I\I43274T.D
Acq On : 12 Aug 2010 5:19 pm
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil

Vial: 18
Operator: MT
Inst : Instrumen
Multiplr: 1.00

09.13.1



MT 8/13/10



AutoFind: Scans 1332, 1333, 1334; Background Corrected with Scan 1326

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.2	6636	PASS
75	95	30	60	52.3	13262	PASS
95	95	100	100	100.0	25360	PASS
96	95	5	9	6.8	1730	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.8	19718	PASS
175	174	5	9	7.3	1443	PASS
176	174	95	101	96.5	19033	PASS
177	176	5	9	6.5	1229	PASS

I43274T.D VS08120I.M Fri Aug 13 13:41:16 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

SDG: 67494
BFB File ID: I43322T.D
BFB Injection Date: 08/16/10
BFB Injection Time: 8:57

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
20 PPB	I43323SC.D	8/16/10 9:54
LL08160I	I43324Q.D	8/16/10 11:11
LL08160I2	I43325Q.D	8/16/10 11:39
LB08160B	I43328B.D	8/16/10 13:04
67494-3	I43332.D	8/16/10 15:51
67494-5	I43334.D	8/16/10 16:48

Refer to the BFB report I43322T.D for ion ratio evaluation.

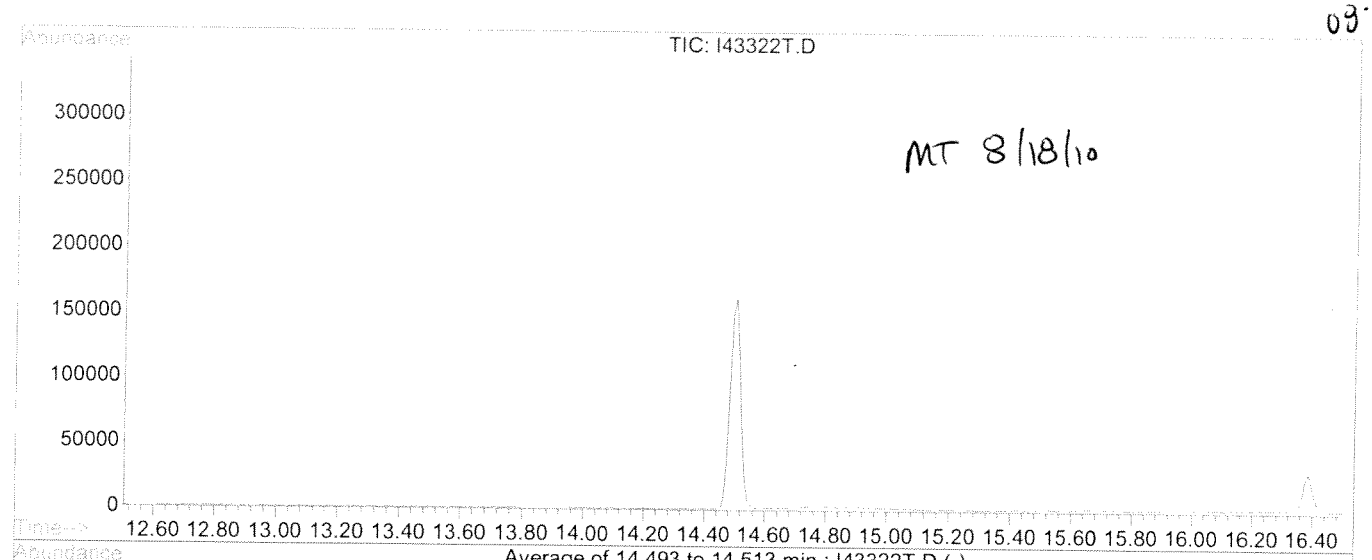
VOA FORM 5

BFB

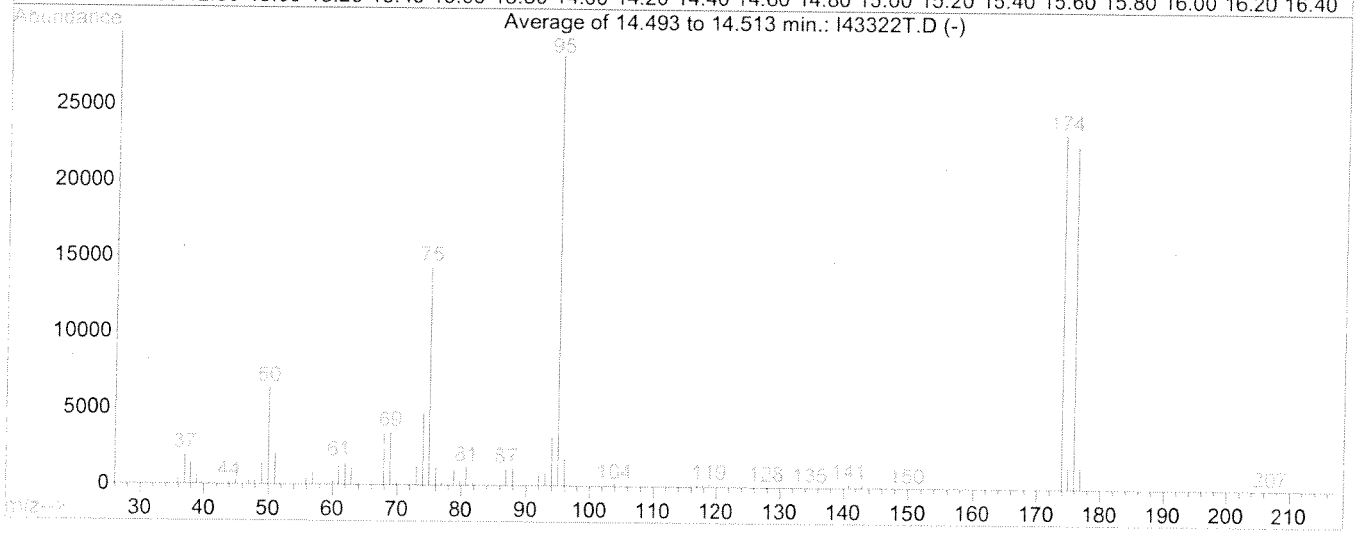
Data File : C:\HPCHEM\1\DATA\081610-I\I43322T.D
Acq On : 16 Aug 2010 8:57 am
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil

Vial: 3
Operator: MT
Inst : Instrumen
Multiplr: 1.00

JR 08-13-10



MT 8/18/10



AutoFind: Scans 1333, 1334, 1335; Background Corrected with Scan 1326

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.6	6396	PASS
75	95	30	60	50.9	14417	PASS
95	95	100	100	100.0	28349	PASS
96	95	5	9	6.4	1818	PASS
173	174	0.00	2	0.0	0	PASS ✓
174	95	50	100	82.5	23400	PASS
175	174	5	9	7.2	1676	PASS
176	174	95	101	96.9	22669	PASS
177	176	5	9	6.6	1501	PASS

I43322T.D VS08120I.M Wed Aug 18 07:28:10 2010

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 07:07:20 2010
Response via : Initial Calibration

MT 8/13/10

Calibration Files
1 =I43265SI.D 2 =I43266SI.D 5 =I43267SI.D
20 =I43268SI.D 50 =I43269SI.D 100 =I43270SI.D

✓ 08/18/11

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	TM	Dichlorodifluoromet	0.926	0.903	0.824	0.825	0.891	0.813	0.864	5.63
3)	TMP	Chloromethane	0.643	0.621	0.496	0.488	0.521	0.492	0.543 ✓	12.81
4)	TMC	Vinyl Chloride	0.573	0.566	0.505	0.518	0.537	0.489	0.531	6.28# ✓
5)	TM	Bromomethane	0.802	0.630	0.513	0.445	0.430	0.382	0.534	~~29.46~~ dac
6)	TM	Chloroethane		0.333	0.284	0.258	0.283	0.256	0.283	11.05
7)	TM	t-Butyl alcohol (TB	0.093	0.090	0.084	0.084	0.088	0.093	0.089#	4.42
8)	TM	Trichlorofluorometh	1.231	1.262	1.147	1.130	1.159	1.001	1.155	7.90
9)	TM	Diethyl ether	0.243	0.254	0.237	0.239	0.256	0.239	0.245	3.45
10)	TM	1,1,2-Trichlorotrif	0.554	0.588	0.530	0.529	0.570	0.520	0.548	4.89
11)	T	Acrolein							0.000#	-1.00
12)	TM	Acetone	0.295	0.273	0.250	0.235	0.233	0.227	0.252	10.70
13)	TMC	1,1-Dichloroethene	0.432	0.454	0.416	0.418	0.448	0.413	0.430	4.03# ✓
14)	TM	Methyl iodide		0.823	0.595	0.602	0.735	0.707	0.693	13.84
15)	TM	Di-isopropyl ether	1.676	1.799	1.662	1.726	1.824	1.735	1.737	3.73
16)	TM	Methylene Chloride	2.678	1.752	1.065	0.626	0.581	0.513	1.203	~~71.47~~ dac
17)	TM	Carbon Disulfide	1.463	1.519	1.383	1.398	1.508	1.400	1.445	4.14
18)	T	Acrylonitrile	0.232	0.233	0.217	0.221	0.223	0.224	0.225	2.96
19)	TM	Methyl-tert-butyl e	1.514	1.560	1.490	1.503	1.584	1.544	1.532	2.37
20)	TM	trans-1,2-Dichloroe	0.525	0.553	0.474	0.494	0.532	0.494	0.512	5.76
21)	TMP	1,1-Dichloroethane	1.031	1.078	0.990	0.990	1.072	0.998	1.027 ✓	3.95
22)	TM	Vinyl acetate		0.056	0.066	0.073	0.070	0.071	0.067#	10.08
23)	TM	Methyl ethyl ketone	0.057	0.060	0.060	0.061	0.063	0.063	0.061#	3.79
24)	TM	Ethyl t-butyl ether	1.724	1.801	1.748	1.752	1.922	1.837	1.798	4.09
25)	TM	2,2-Dichloropropane	0.856	0.879	0.844	0.852	0.916	0.862	0.868	3.01
26)	TM	cis-1,2-Dichloroeth	0.594	0.573	0.539	0.553	0.593	0.554	0.567	3.97
27)	TM	t-Amyl methyl ether	1.338	1.397	1.355	1.389	1.490	1.439	1.401	3.99
28)	S	DB HOLDER #28	0.952	0.976	0.957	0.968	0.960	0.929	0.957	1.69
29)	TMC	Chloroform	1.123	1.135	1.080	1.067	1.136	1.055	1.100	3.30# ✓
30)	TM	Bromochloromethane	0.314	0.315	0.318	0.312	0.331	0.325	0.319	2.32
31)	TM	Tetrahydrofuran	0.069	0.067	0.068	0.068	0.071	0.072	0.069#	3.00
32)	TM	1,1,1-Trichloroetha	0.942	0.945	0.904	0.928	0.993	0.917	0.938	3.28
33)	T	NO COMPOUND							0.000#	-1.00
34)	TM	1,1-Dichloropropene	0.752	0.746	0.698	0.726	0.785	0.734	0.740	3.88
35)	TM	Carbon Tetrachlorid	0.762	0.805	0.770	0.788	0.859	0.800	0.798	4.31
36)	S	d4-1,2-Dichloroetha	0.952	0.976	0.957	0.968	0.960	0.929	0.957	1.70
37)	TM	1,2-Dichloroethane	1.108	1.157	1.094	1.117	1.161	1.085	1.120	2.86
38)	TM	Benzene	1.842	1.777	1.658	1.653	1.752	1.634	1.719	4.86
39)	I	1,4-Difluorobenzene	----------ISTD----------							
40)	TM	Trichloroethene	0.357	0.372	0.344	0.340	0.361	0.337	0.352	3.87
41)	TMC	1,2-Dichloropropane	0.308	0.338	0.312	0.302	0.325	0.309	0.316	4.17# ✓
42)	TM	Methylmethacrylate	0.221	0.212	0.219	0.232	0.239	0.242	0.227	5.33
43)	T	NO COMPOUND							0.000#	-1.00

(#) = Out of Range

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 07:07:20 2010
Response via : Initial Calibration

MT 8/13/10

Calibration Files
1 =I43265SI.D 2 =I43266SI.D 5 =I43267SI.D
20 =I43268SI.D 50 =I43269SI.D 100 =I43270SI.D

JL 08-13-10

		Compound	1	2	5	20	50	100	Avg	%RSD
44)	T	NO COMPOUND							0.000#	-1.00
45)	TM	Bromodichloromethan	0.481	0.517	0.493	0.522	0.542	0.512	0.511	4.22
46)	TM	Dibromomethane	0.272	0.286	0.308	0.303	0.315	0.300	0.297	5.29
47)	TM	1,4-Dioxane	0.004	0.004	0.004	0.004	0.004	0.004	0.004#	6.95
48)	T	NO COMPOUND							0.000#	-1.00
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl							0.000#	-1.00
51)	TM	2-Hexanone	0.135	0.147	0.148	0.150	0.152	0.152	0.147	4.39
52)	TM	Methyl isobutyl ket	0.140	0.143	0.144	0.144	0.147	0.145	0.144	1.78
53)	TM	cis-1,3-Dichloropro	0.467	0.517	0.496	0.504	0.542	0.514	0.507	4.90
54)	S	d8-Toluene	1.076	1.102	1.101	1.100	1.106	1.083	1.094	1.09
55)	TMC	Toluene	0.679	0.691	0.641	0.647	0.687	0.622	0.661	4.28# ✓
56)	TM	trans-1,3-Dichlorop	0.471	0.517	0.506	0.531	0.568	0.534	0.521	6.19
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.246	0.242	0.233	0.246	0.255	0.237	0.243	3.17
59)	TM	1,3-Dichloropropane	0.494	0.495	0.474	0.484	0.504	0.480	0.488	2.29
60)	TM	Tetrachloroethene	0.391	0.392	0.398	0.408	0.477	0.432	0.416	7.98
61)	TM	Dibromochloromethan	0.350	0.392	0.397	0.405	0.440	0.431	0.403	7.96
62)	TM	1,2-Dibromoethane	0.365	0.382	0.377	0.375	0.393	0.378	0.379	2.44
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	0.935	0.950	0.909	0.915	0.953	0.912	0.929✓	2.13
65)	TM	1,1,1,2-Tetrachloro	0.344	0.353	0.342	0.352	0.371	0.358	0.353	3.00
66)	TMC	Ethylbenzene	1.528	1.504	1.424	1.464	1.530	1.418	1.478	3.40#✓
67)	TM	m,p-Xylene	0.522	0.546	0.530	0.533	0.548	0.514	0.532	2.51
68)	TM	o-Xylene	0.521	0.532	0.498	0.516	0.560	0.514	0.523	4.03
69)	TM	Styrene	0.829	0.917	0.887	0.945	0.999	0.925	0.917	6.23
70)	TMP	Bromoform	0.268	0.285	0.279	0.309	0.323	0.321	0.298✓	7.84
71)	TM	Isopropylbenzene	1.339	1.408	1.386	1.416	1.524	1.401	1.412	4.32
72)	TMP	1,1,2,2-Tetrachloro	0.451	0.470	0.463	0.465	0.465	0.440	0.459✓	2.45
73)	S	Bromofluorobenzene	0.538	0.545	0.562	0.565	0.563	0.523	0.549	3.05
74)	TM	1,2,3-Trichloroprop	0.382	0.397	0.386	0.373	0.383	0.366	0.381	2.83
75)	TM	trans-1,4-Dichloro-	0.069	0.079	0.087	0.095	0.096	0.094	0.087#	12.64
76)	TM	n-Propylbenzene	1.740	1.824	1.718	1.750	1.756	1.546	1.722	5.43
77)	TM	Bromobenzene	0.404	0.393	0.397	0.393	0.403	0.373	0.394	2.81
78)	TM	1,3,5-Trimethylbenz	1.140	1.176	1.162	1.228	1.242	1.148	1.183	3.61
79)	TM	2-Chlorotoluene	1.225	1.244	1.175	1.219	1.242	1.146	1.208	3.25
80)	TM	4-Chlorotoluene	1.103	1.169	1.112	1.161	1.176	1.066	1.131	3.91
81)	TM	tert-butylbenzene	1.207	0.973	1.184	1.042	1.323	1.247	1.163	11.28
82)	TM	1,2,4-Trimethylbenz	1.180	1.249	1.202	1.288	1.316	1.219	1.242	4.22
83)	T	Pentachloroethane	0.162	0.179	0.149	0.158	0.131	0.139	0.153	11.43
84)	TM	sec-butylbenzene	1.420	1.536	1.446	1.578	1.631	1.485	1.516	5.32
85)	TM	p-isopropyltoluene	1.152	1.196	1.182	1.306	1.373	1.256	1.244	6.75
86)	TM	1,3-Dichlorobenzene	0.686	0.697	0.676	0.708	0.724	0.679	0.695	2.67
87)	I	1,4-Dichlorobenzene-d	----------ISTD----------							

(#) = Out of Range

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 07:07:20 2010
Response via : Initial Calibration

MT 8/13/10

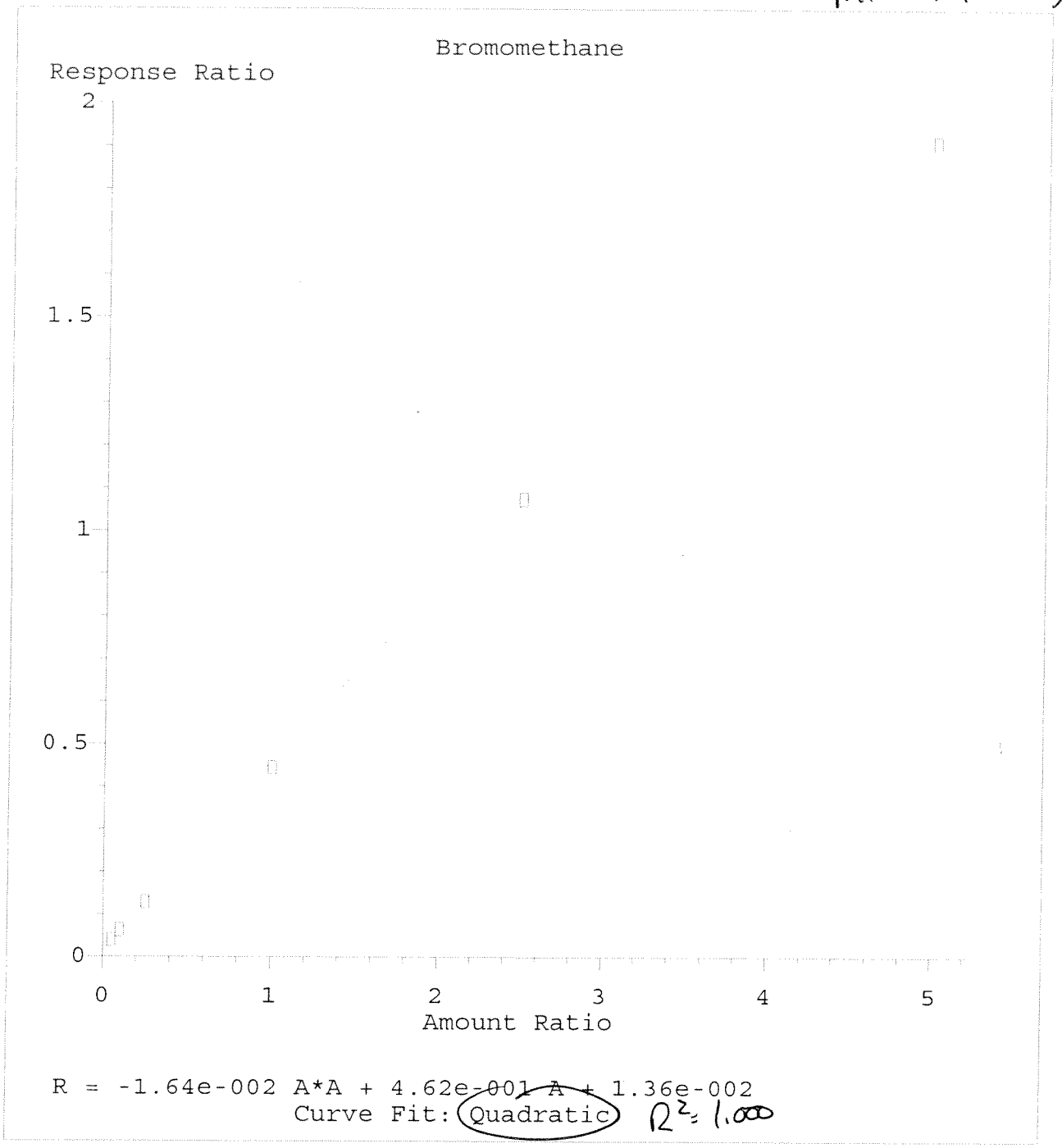
Calibration Files
1 =I43265SI.D 2 =I43266SI.D 5 =I43267SI.D
20 =I43268SI.D 50 =I43269SI.D 100 =I43270SI.D

NJL 08-13-10

		Compound	1	2	5	20	50	100	Avg	%RSD
88)	TM	1,4-Dichlorobenzene	1.598	1.433	1.366	1.388	1.467	1.399	1.442	5.84
89)	TM	n-butylbenzene	2.517	2.506	2.354	2.416	2.614	2.388	2.466	3.93
90)	TM	1,2-Dichlorobenzene	1.306	1.358	1.282	1.275	1.386	1.314	1.320	3.30
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.204	0.219	0.217	0.217	0.229	0.223	0.218	3.78
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	1.043	1.063	0.915	0.930	1.028	0.956	0.989	6.39
95)	TM	Hexachlorobutadiene	0.510	0.486	0.428	0.406	0.444	0.444	0.453	8.42
96)	TM	Naphthalene	2.315	2.270	2.113	2.107	2.325	2.336	2.245	4.74
97)	TM	1,2,3-Trichlorobenz	0.934	0.946	0.837	0.879	0.929	0.892	0.903	4.58
98)	TM	1,3,5-Trichlorobenz	1.057	1.081	0.958	0.976	1.036	0.991	1.016	4.80

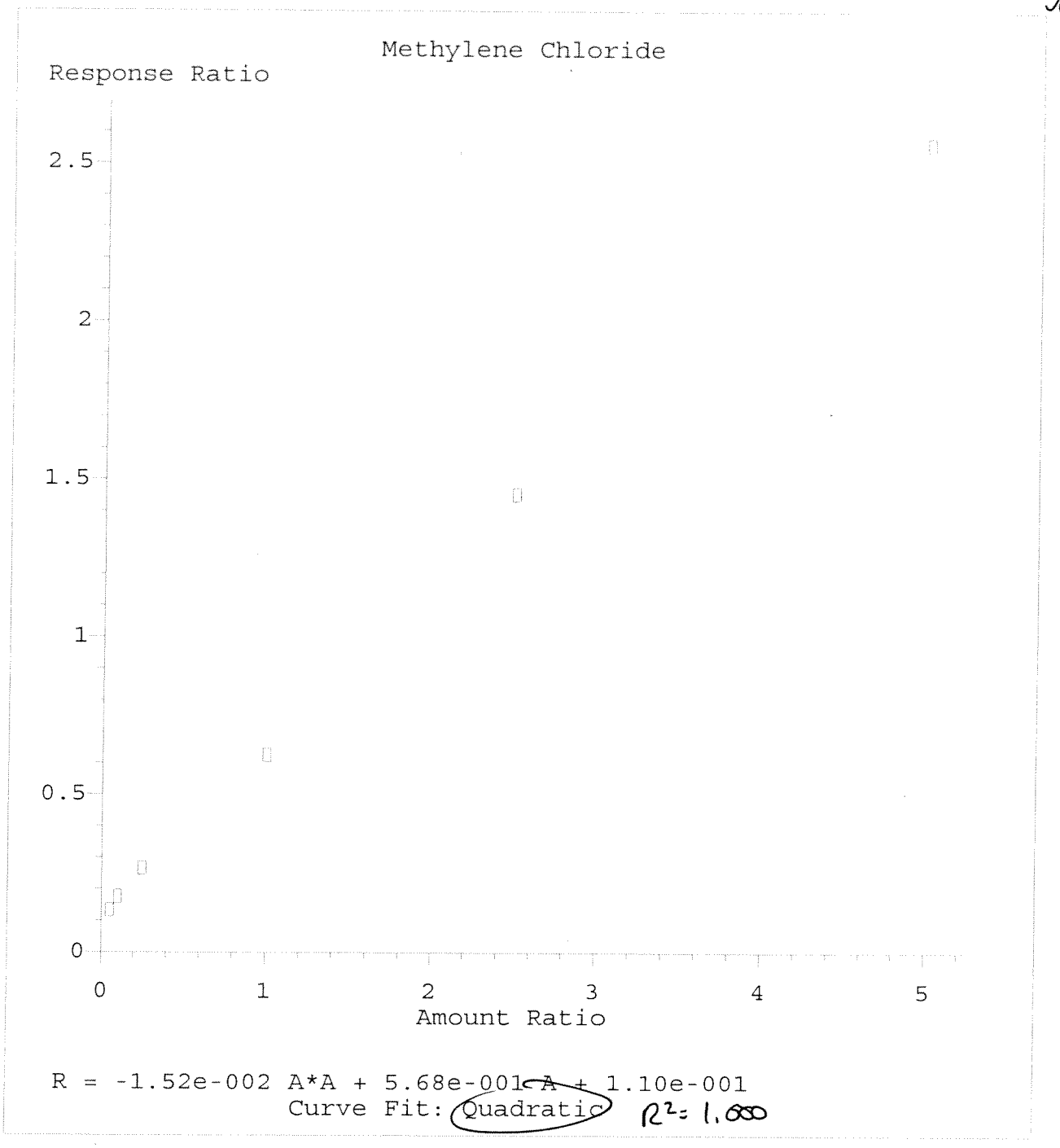
(#) = Out of Range

MT 8/13/10 JL 08-19-10



Method Name: C:\HPCHEM\1\METHODS\VS08120I.M
Calibration Table Last Updated: Fri Aug 13 07:07:20 2010

MT 8/13/10



Method Name: C:\HPCHEM\1\METHODS\VS08120I.M
Calibration Table Last Updated: Fri Aug 13 07:07:20 2010

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG: MT 8/13/10
Non-spiked sample: BLK
Spike: 20 PPB ICV

KJL 08-13-10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
Dichlorodifluoromethane	20	80	120	0.0	18	92	
Chloromethane	20	80	120	0.0	19	96	
Vinyl Chloride	20	80	120	0.0	19	94	
Bromomethane	20	80	120	0.0	19	97	
Chloroethane	20	80	120	0.0	20	100	
t-Butyl alcohol (TBA)	100	80	120	0.0	104	104	
Trichlorofluoromethane	20	80	120	0.0	17	86	
Diethyl ether	20	80	120	0.0	22	108	
1,1,2-Trichlorotrifluoroethane	20	80	120	0.0	19	93	
Acetone	100	80	120	0.0	112	112	
1,1-Dichloroethene	20	80	120	0.0	20	98	
Methyl iodide	20	80	120	0.0	20	98	
Di-isopropyl ether (DIPE)	20	80	120	0.0	22	112	
Methylene Chloride	20	80	120	0.0	20	100	
Carbon Disulfide	20	80	120	0.0	21	106	
Methyl-tert-butyl ether (MTBE)	40	80	120	0.0	45	111	
trans-1,2-Dichloroethene	20	80	120	0.0	20	102	
1,1-Dichloroethane	20	80	120	0.0	21	103	
Vinyl acetate	20	80	120	0.0	18	90	
Methyl ethyl ketone	100	80	120	0.0	119	119	
Ethyl t-butyl ether (ETBE)	20	80	120	0.0	22	109	
2,2-Dichloropropane	20	80	120	0.0	20	99	
cis-1,2-Dichloroethene	20	80	120	0.0	22	108	
t-Amyl methyl ether (TAME)	20	80	120	0.0	22	110	
Chloroform	20	80	120	0.0	20	101	
Bromochloromethane	20	80	120	0.0	21	106	
Tetrahydrofuran	20	80	120	0.0	22	108	
1,1,1-Trichloroethane	20	80	120	0.0	20	101	
1,1-Dichloropropene	20	80	120	0.0	20	102	
Carbon Tetrachloride	20	80	120	0.0	20	100	
1,2-Dichloroethane	20	80	120	0.0	20	101	
Benzene	20	80	120	0.0	20	102	
Trichloroethene	20	80	120	0.0	21	103	
1,2-Dichloropropane	20	80	120	0.0	21	105	
Methylmethacrylate	20	80	120	0.0	22	111	
Bromodichloromethane	20	80	120	0.0	21	103	
Dibromomethane	20	80	120	0.0	21	104	
1,4-Dioxane	500	80	120	0.0	536	107	
2-Hexanone	100	80	120	0.0	119	119	
Methyl isobutyl ketone	100	80	120	0.0	115	115	
cis-1,3-Dichloropropene	20	80	120	0.0	22	111	
Toluene	20	80	120	0.0	21	103	
trans-1,3-Dichloropropene	20	80	120	0.0	19	97	
1,1,2-Trichloroethane	20	80	120	0.0	22	108	
1,3-Dichloropropane	20	80	120	0.0	21	107	
Tetrachloroethene	20	80	120	0.0	23	116	
Dibromochloromethane	20	80	120	0.0	21	107	
1,2-Dibromoethane	20	80	120	0.0	21	106	

VOA FORM 3

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: BLK
Spike: 20 PPB ICV

MT 8/13/10

08-13-10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
Chlorobenzene	20	80	120	0.0	21	106	
1,1,1,2-Tetrachloroethane	20	80	120	0.0	21	105	
Ethylbenzene	20	80	120	0.0	20	101	
m,p-Xylene	40	80	120	0.0	42	106	
o-Xylene	20	80	120	0.0	21	105	
Styrene	20	80	120	0.0	22	109	
Bromoform	20	80	120	0.0	22	108	
Isopropylbenzene	20	80	120	0.0	18	91	
1,1,2,2-Tetrachloroethane	20	80	120	0.0	21	104	
1,2,3-Trichloropropane	20	80	120	0.0	20	102	
trans-1,4-Dichloro-2-butene	20	80	120	0.0	21	105	
n-Propylbenzene	20	80	120	0.0	20	101	
Bromobenzene	20	80	120	0.0	22	108	
1,3,5-Trimethylbenzene	20	80	120	0.0	20	102	
2-Chlorotoluene	20	80	120	0.0	20	101	
4-Chlorotoluene	20	80	120	0.0	20	99	
tert-butylbenzene	20	80	120	0.0	22	109	
1,2,4-Trimethylbenzene	20	80	120	0.0	20	99	
sec-butylbenzene	20	80	120	0.0	21	103	
p-isopropyltoluene	20	80	120	0.0	20	100	
1,3-Dichlorobenzene	20	80	120	0.0	20	102	
1,4-Dichlorobenzene	20	80	120	0.0	20	101	
n-butylbenzene	20	80	120	0.0	20	100	
1,2-Dichlorobenzene	20	80	120	0.0	21	105	
1,2-Dibromo-3-chloropropane	20	80	120	0.0	21	104	
1,2,4-Trichlorobenzene	20	80	120	0.0	19	96	
Hexachlorobutadiene	20	80	120	0.0	19	95	
Naphthalene	20	80	120	0.0	20	102	
1,2,3-Trichlorobenzene	20	80	120	0.0	20	102	
1,3,5-Trichlorobenzene	20	80	120	0.0	20	100	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOA FORM 3

Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\081210-I\I43275SC.D
Acq On : 12 Aug 2010 5:51 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 19
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Multiple Level Calibration

MT 8/13/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	114	0.00
2	TM	Dichlorodifluoromethane	0.864	0.885	-2.4	122	0.00
3	TMP	Chloromethane	0.543	0.547	-0.7	128	0.00
4	TMC	Vinyl Chloride	0.531	0.523	1.5	115	0.00
5	TM	Bromomethane	0.534	0.439 Q 95%	~~17.8~~	112	0.00
6	TM	Chloroethane	0.283	0.290	-2.5	128	0.00
7	TM	t-Butyl alcohol (TBA)	0.089	0.087#	2.2	118	0.00
8	TM	Trichlorofluoromethane	1.155	1.173	-1.6	118	0.00
9	TM	Diethyl ether	0.245	0.261	-6.5	125	0.00
10	TM	1,1,2-Trichlorotrifluoroeth	0.548	0.580	-5.8	125	0.00
11	T	Acrolein	0.000	0.000#	0.0	117	0.00
12	TM	Acetone	0.252	0.239	5.2	116	0.00
13	TMC	1,1-Dichloroethene	0.430	0.457	-6.3	124	0.00
14	TM	Methyl iodide	0.693	0.735	-6.1	139	0.00
15	TM	Di-isopropyl ether (DIPE)	1.737	1.853	-6.7	122	0.00
16	TM	Methylene Chloride	1.203	0.623 Q 93%	~~48.2#~~	114	0.00
17	TM	Carbon Disulfide	1.445	1.518	-5.1	124	0.00
18	T	Acrylonitrile	0.225	0.232	-3.1	120	0.00
19	TM	Methyl-tert-butyl ether (MT	1.532	1.569	-2.4	119	0.00
20	TM	trans-1,2-Dichloroethene	0.512	0.540	-5.5	125	0.00
21	TMP	1,1-Dichloroethane	1.027	1.080	-5.2	124	0.00
22	TM	Vinyl acetate	0.067	0.075#	-11.9	117	0.00
23	TM	Methyl ethyl ketone	0.061	0.066#	-8.2	124	0.00
24	TM	Ethyl t-butyl ether (ETBE)	1.798	1.852	-3.0	120	0.00
25	TM	2,2-Dichloropropane	0.868	0.905	-4.3	121	0.00
26	TM	cis-1,2-Dichloroethene	0.567	0.594	-4.8	123	0.00
27	TM	t-Amyl methyl ether (TAME)	1.401	1.456	-3.9	120	0.00
28	S	DB HOLDER #28	0.957	0.909	5.0	107	0.00
29	TMC	Chloroform	1.100	1.130	-2.7	121	0.00
30	TM	Bromochloromethane	0.319	0.338	-6.0	123	0.00
31	TM	Tetrahydrofuran	0.069	0.076#	-10.1	128	0.00
32	TM	1,1,1-Trichloroethane	0.938	0.963	-2.7	118	0.00
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.740	0.777	-5.0	122	0.00
35	TM	Carbon Tetrachloride	0.798	0.820	-2.8	119	0.00
36	S	d4-1,2-Dichloroethane	0.957	0.909	5.0	107	0.00
37	TM	1,2-Dichloroethane	1.120	1.114	0.5	114	0.00
38	TM	Benzene	1.719	1.775	-3.3	122	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	113	0.00
40	TM	Trichloroethene	0.352	0.368	-4.5	122	0.00
41	TMC	1,2-Dichloropropane	0.316	0.333	-5.4	125	0.00

(#) = Out of Range

Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\081210-I\I43275SC.D
Acq On : 12 Aug 2010 5:51 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 19
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Multiple Level Calibration

MT 8/13/10

✓JL 08-13-10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.227	0.245	-7.9	120	0.00
43	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
44	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
45	TM	Bromodichloromethane	0.511	0.531	-3.9	115	0.00
46	TM	Dibromomethane	0.297	0.317	-6.7	118	0.00
47	TM	1,4-Dioxane	0.004	0.004#	0.0	118	0.00
48	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	117	0.00
51	TM	2-Hexanone	0.147	0.156	-6.1	118	0.00
52	TM	Methyl isobutyl ketone	0.144	0.154	-6.9	122	0.00
53	TM	cis-1,3-Dichloropropene	0.507	0.534	-5.3	120	0.00
54	S	d8-Toluene	1.094	1.080	1.3	111	0.00
55	TMC	Toluene	0.661	0.687	✓-3.9	120	0.00
56	TM	trans-1,3-Dichloropropene	0.521	0.549	-5.4	117	0.00
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.243	0.250	-2.9	115	0.00
59	TM	1,3-Dichloropropane	0.488	0.513	-5.1	120	0.00
60	TM	Tetrachloroethene	0.416	0.421	-1.2	117	0.00
61	TM	Dibromochloromethane	0.403	0.432	-7.2	121	0.00
62	TM	1,2-Dibromoethane	0.379	0.396	-4.5	120	0.00
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓113	0.00
64	TMP	Chlorobenzene	0.929	0.998✓	-7.4	124	0.00
65	TM	1,1,1,2-Tetrachloroethane	0.353	0.379	-7.4	122	0.00
66	TMC	Ethylbenzene	1.478	1.571	✓-6.3	122	0.00
67	TM	m,p-Xylene	0.532	0.569	-7.0	121	0.00
68	TM	o-Xylene	0.523	0.567	-8.4	124	0.00
69	TM	Styrene	0.917	1.008	-9.9	121	0.00
70	TMP	Bromoform	0.298	0.317✓	-6.4	116	0.00
71	TM	Isopropylbenzene	1.412	1.531	-8.4	123	0.00
72	TMP	1,1,2,2-Tetrachloroethane	0.459	0.476✓	-3.7	116	0.00
73	S	Bromofluorobenzene	0.549	0.528	3.8	106	0.00
74	TM	1,2,3-Trichloropropane	0.381	0.383	-0.5	116	0.00
75	TM	trans-1,4-Dichloro-2-butene	0.087	0.091#	-4.6	109	0.00
76	TM	n-Propylbenzene	1.722	1.819	-5.6	118	0.00
77	TM	Bromobenzene	0.394	0.419	-6.3	121	0.00
78	TM	1,3,5-Trimethylbenzene	1.183	1.254	-6.0	116	0.00
79	TM	2-Chlorotoluene	1.208	1.249	-3.4	116	0.00
80	TM	4-Chlorotoluene	1.131	1.167	-3.2	114	0.00
81	TM	tert-butylbenzene	1.163	1.133	2.6	123	0.00
82	TM	1,2,4-Trimethylbenzene	1.242	1.335	-7.5	117	0.00

(#) = Out of Range

Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\081210-I\I43275SC.D
Acq On : 12 Aug 2010 5:51 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 19
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Multiple Level Calibration

MT 8/13/10

✓JL 08-18-10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.153	0.189	MT -23.5#	135	0.00
84	TM	sec-butylbenzene	1.516	1.628	-7.4	117	0.00
85	TM	p-isopropyltoluene	1.244	1.370	-10.1	119	0.00
86	TM	1,3-Dichlorobenzene	0.695	0.740	-6.5	118	0.00
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓104	0.00
88	TM	1,4-Dichlorobenzene	1.442	1.560	-8.2	116	0.00
89	TM	n-butylbenzene	2.466	2.727	-10.6	117	0.00
90	TM	1,2-Dichlorobenzene	1.320	1.457	-10.4	118	0.00
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.218	0.227	-4.1	109	0.00
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.989	1.084	-9.6	121	0.00
95	TM	Hexachlorobutadiene	0.453	0.479	-5.7	122	0.00
96	TM	Naphthalene	2.245	2.269	-1.1	112	0.00
97	TM	1,2,3-Trichlorobenzene	0.903	0.975	-8.0	115	0.00
98	TM	1,3,5-Trichlorobenzene	1.016	1.127	-10.9	120	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF
0=LINEAR
3=QUADRATIC

Data File Name: I43275SC.D
Date Acquired: 8/12/2010 5:51
Sample Name: 20 PPB

MT 8/13/10

METHOD: C:\HPCHEM\1\METHODS\VS08120I.M

VJL 08-13-10

CAL FIT	Name	ug/mL Amount	ug/mL Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	20.49	20	2.5%	NA	OK
1	Chloromethane	20.15	20	0.7%	NA	OK
1	Vinyl Chloride	19.66	20	1.7%	NA	OK
3	Bromomethane	19.06	20	4.7%		OK
1	Chloroethane	20.53	20	2.7%	NA	OK
1	t-Butyl alcohol (TBA)	98.35	100	1.7%	NA	OK
1	Trichlorofluoromethane	20.32	20	1.6%	NA	OK
1	Diethyl ether	21.35	20	6.8%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	21.14	20	5.7%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	* MT
1	Acetone	94.69	100	5.3%	NA	OK
1	1,1-Dichloroethene	21.23	20	6.1%	NA	OK
1	Methyl iodide	21.24	20	6.2%	NA	OK
1	Di-isopropyl ether (DIPE)	21.33	20	6.7%	NA	OK
3	Methylene Chloride	18.56	20	7.2%		OK
1	Carbon Disulfide	21.01	20	5.0%	NA	OK
1	Acrylonitrile	20.67	20	3.4%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	20.47	20	2.4%	NA	OK
1	trans-1,2-Dichloroethene	21.11	20	5.5%	NA	OK
1	1,1-Dichloroethane	21.04	20	5.2%	NA	OK
1	Vinyl acetate	22.28	20	11.4%	NA	OK
1	Methyl ethyl ketone	108.74	100	8.7%	NA	OK
1	Ethyl t-butyl ether (ETBE)	20.60	20	3.0%	NA	OK
1	2,2-Dichloropropane	20.85	20	4.2%	NA	OK
1	cis-1,2-Dichloroethene	20.95	20	4.8%	NA	OK
1	t-Amyl methyl ether (TAME)	20.79	20	3.9%	NA	OK
1	Chloroform	20.54	20	2.7%	NA	OK
1	Bromochloromethane	21.18	20	5.9%	NA	OK
1	Tetrahydrofuran	22.08	20	10.4%	NA	OK
1	1,1,1-Trichloroethane	20.54	20	2.7%	NA	OK
1	~~NO COMPOUND~~	0.00	1000	100.0%	NA	* MT
1	1,1-Dichloropropene	20.99	20	4.9%	NA	OK
1	Carbon Tetrachloride	20.55	20	2.8%	NA	OK
1	d4-1,2-Dichloroethane	19.01	20	5.0%	NA	OK
1	1,2-Dichloroethane	19.88	20	0.6%	NA	OK
1	Benzene	20.65	20	3.3%	NA	OK
1	Trichloroethene	20.90	20	4.5%	NA	OK
1	1,2-Dichloropropane	21.11	20	5.6%	NA	OK
1	Methylmethacrylate	21.56	20	7.8%	NA	OK
1	~~NO COMPOUND~~	0.00	20	100.0%	NA	*

1	~~NO COMPOUND~~	0.00	20	100.0%	NA	
1	Bromodichloromethane	20.79	20	4.0%	NA	OK
1	Dibromomethane	21.30	20	6.5%	NA	OK
1	1,4-Dioxane	540.39	500	8.1%	NA	OK
1	~~NO COMPOUND~~	0.00	20	100.0%	NA	
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	* KT
1	2-Hexanone	106.19	100	6.2%	NA	OK
1	Methyl isobutyl ketone	107.34	100	7.3%	NA	OK
1	cis-1,3-Dichloropropene	21.09	20	5.5%	NA	OK
1	d8-Toluene	19.74	20	1.3%	NA	OK
1	Toluene	20.79	20	4.0%	NA	OK
1	trans-1,3-Dichloropropene	21.07	20	5.3%	NA	OK
1	1,1,2-Trichloroethane	20.60	20	3.0%	NA	OK
1	1,3-Dichloropropane	21.02	20	5.1%	NA	OK
1	Tetrachloroethene	20.25	20	1.3%	NA	OK
1	Dibromochloromethane	21.49	20	7.4%	NA	OK
1	1,2-Dibromoethane	20.93	20	4.6%	NA	OK
1	Chlorobenzene	21.48	20	7.4%	NA	OK
1	1,1,1,2-Tetrachloroethane	21.42	20	7.1%	NA	OK
1	Ethylbenzene	21.26	20	6.3%	NA	OK
1	m,p-Xylene	42.78	40	6.9%	NA	OK
1	o-Xylene	21.66	20	8.3%	NA	OK
1	Styrene	21.98	20	9.9%	NA	OK
1	Bromoform	21.32	20	6.6%	NA	OK
1	Isopropylbenzene	21.68	20	8.4%	NA	OK
1	1,1,2,2-Tetrachloroethane	20.74	20	3.7%	NA	OK
1	Bromofluorobenzene	19.23	20	3.9%	NA	OK
1	1,2,3-Trichloropropane	20.08	20	0.4%	NA	OK
1	trans-1,4-Dichloro-2-butene	21.07	20	5.4%	NA	OK
1	n-Propylbenzene	21.12	20	5.6%	NA	OK
1	Bromobenzene	21.28	20	6.4%	NA	OK
1	1,3,5-Trimethylbenzene	21.20	20	6.0%	NA	OK
1	2-Chlorotoluene	20.67	20	3.3%	NA	OK
1	4-Chlorotoluene	20.64	20	3.2%	NA	OK
1	tert-butylbenzene	19.49	20	2.6%	NA	OK
1	1,2,4-Trimethylbenzene	21.49	20	7.4%	NA	OK
1	Pentachloroethane	24.69	20	23.4%	NA	* KT
1	sec-butylbenzene	21.47	20	7.4%	NA	OK
1	p-isopropyltoluene	22.02	20	10.1%	NA	OK
1	1,3-Dichlorobenzene	21.29	20	6.4%	NA	OK
1	1,4-Dichlorobenzene	21.64	20	8.2%	NA	OK
1	n-butylbenzene	22.12	20	10.6%	NA	OK
1	1,2-Dichlorobenzene	22.07	20	10.3%	NA	OK
1	1,2-Dibromo-3-chloropropane	20.83	20	4.2%	NA	OK
1	1,2,4-Trichlorobenzene	21.93	20	9.6%	NA	OK
1	Hexachlorobutadiene	21.15	20	5.8%	NA	OK
1	Naphthalene	20.22	20	1.1%	NA	OK
1	1,2,3-Trichlorobenzene	21.60	20	8.0%	NA	OK
1	1,3,5-Trichlorobenzene	22.18	20	10.9%	NA	OK

JL 09/13/

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\081610-I\I43323SC.D
Acq On : 16 Aug 2010 9:54 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 4
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Multiple Level Calibration

MT 8/18/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

✓OK 08/18/10

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓130	0.00
2	TM	Dichlorodifluoromethane	0.864	0.811	6.1	128	0.00
3	TMP	Chloromethane	0.543	0.535✓	1.5	143	0.00
4	TMC	Vinyl Chloride	0.531	0.504	✓5.1	126	0.00
5	TM	Bromomethane	0.534	0.462Q 101%	13.5	135	0.00
6	TM	Chloroethane	0.283	0.308	-8.8	155	0.00
7	TM	t-Butyl alcohol (TBA)	0.089	0.104	-16.9	161	0.00
8	TM	Trichlorofluoromethane	1.155	1.050	9.1	121	0.00
9	TM	Diethyl ether	0.245	0.279	-13.9	152	0.00
10	TM	1,1,2-Trichlorotrifluoroeth	0.548	0.593	-8.2	146	0.00
11	T	Acrolein	0.000	0.000#	0.0	181	0.00
12	TM	Acetone	0.252	0.245	2.8	135	0.00
13	TMC	1,1-Dichloroethene	0.430	0.470	✓-9.3	146	0.00
14	TM	Methyl iodide	0.693	0.754	-8.8	163	0.00
15	TM	Di-isopropyl ether (DIPE)	1.737	1.932	-11.2	146	0.00
16	TM	Methylene Chloride	1.203	0.722Q 111%	~~40.0#~~	150	0.00
17	TM	Carbon Disulfide	1.445	1.654	-14.5	154	0.00
18	T	Acrylonitrile	0.225	0.240	-6.7	141	0.00
19	TM	Methyl-tert-butyl ether (MT	1.532	1.731	-13.0	150	0.00
20	TM	trans-1,2-Dichloroethene	0.512	0.561	-9.6	148	0.00
21	TMP	1,1-Dichloroethane	1.027	1.095✓	-6.6	144	0.00
22	TM	Vinyl acetate	0.067	0.102	M -52.2#	181	0.02
23	TM	Methyl ethyl ketone	0.061	0.074#	M -21.3#	160	0.00
24	TM	Ethyl t-butyl ether (ETBE)	1.798	2.067	-15.0	153	0.00
25	TM	2,2-Dichloropropane	0.868	0.932	-7.4	142	0.00
26	TM	cis-1,2-Dichloroethene	0.567	0.612	-7.9	144	0.00
27	TM	t-Amyl methyl ether (TAME)	1.401	1.618	-15.5	151	0.00
28	S	DB HOLDER #28	0.957	0.847	11.5	114	0.00
29	TMC	Chloroform	1.100	1.121	✓-1.9	137	0.00
30	TM	Bromochloromethane	0.319	0.367	-15.0	153	0.00
31	TM	Tetrahydrofuran	0.069	0.084#	M -21.7#	160	0.00
32	TM	1,1,1-Trichloroethane	0.938	0.958	-2.1	134	0.00
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.740	0.805	-8.8	144	0.00
35	TM	Carbon Tetrachloride	0.798	0.835	-4.6	138	0.00
36	S	d4-1,2-Dichloroethane	0.957	0.847	11.5	114	0.00
37	TM	1,2-Dichloroethane	1.120	1.086	3.0	126	0.00
38	TM	Benzene	1.719	1.850	-7.6	145	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓133	0.00
40	TM	Trichloroethene	0.352	0.353	-0.3	138	0.00
41	TMC	1,2-Dichloropropane	0.316	0.340	✓-7.6	150	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\081610-I\I43323SC.D
Acq On : 16 Aug 2010 9:54 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 4
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Multiple Level Calibration

MT 8/18/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.227	0.267	-17.6	153	0.00
43	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
44	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
45	TM	Bromodichloromethane	0.511	0.521	-2.0	133	0.00
46	TM	Dibromomethane	0.297	0.312	-5.1	137	0.00
47	TM	1,4-Dioxane	0.004	0.005#	-25.0#	150	0.00
48	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	154	0.00
51	TM	2-Hexanone	0.147	0.168	-14.3	149	0.00
52	TM	Methyl isobutyl ketone	0.144	0.167	-16.0	155	0.00
53	TM	cis-1,3-Dichloropropene	0.507	0.548	-8.1	145	0.00
54	S	d8-Toluene	1.094	1.032	5.7	125	0.00
55	TMC	Toluene	0.661	0.694	-5.0	143	0.02
56	TM	trans-1,3-Dichloropropene	0.521	0.572	-9.8	144	0.02
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.243	0.251	-3.3	136	0.00
59	TM	1,3-Dichloropropane	0.488	0.508	-4.1	140	0.00
60	TM	Tetrachloroethene	0.416	0.359	13.7	117	0.00
61	TM	Dibromochloromethane	0.403	0.443	-9.9	146	0.00
62	TM	1,2-Dibromoethane	0.379	0.395	-4.2	140	0.00
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	133	0.00
64	TMP	Chlorobenzene	0.929	1.003	-8.0	146	0.00
65	TM	1,1,1,2-Tetrachloroethane	0.353	0.392	-11.0	148	0.00
66	TMC	Ethylbenzene	1.478	1.545	-4.5	140	0.00
67	TM	m,p-Xylene	0.532	0.571	-7.3	142	0.00
68	TM	o-Xylene	0.523	0.580	-10.9	149	0.00
69	TM	Styrene	0.917	1.023	-11.6	144	0.02
70	TMP	Bromoform	0.298	0.329	-10.4	142	0.00
71	TM	Isopropylbenzene	1.412	1.529	-8.3	143	0.00
72	TMP	1,1,2,2-Tetrachloroethane	0.459	0.479	-4.4	137	0.02
73	S	Bromofluorobenzene	0.549	0.516	6.0	121	0.00
74	TM	1,2,3-Trichloropropane	0.381	0.381	0.0	136	0.00
75	TM	trans-1,4-Dichloro-2-butene	0.087	0.096#	-10.3	134	0.02
76	TM	n-Propylbenzene	1.722	1.765	-2.5	134	0.02
77	TM	Bromobenzene	0.394	0.419	-6.3	142	0.00
78	TM	1,3,5-Trimethylbenzene	1.183	1.235	-4.4	134	0.00
79	TM	2-Chlorotoluene	1.208	1.198	0.8	131	0.00
80	TM	4-Chlorotoluene	1.131	1.145	-1.2	131	0.00
81	TM	tert-butylbenzene	1.163	1.127	3.1	144	0.00
82	TM	1,2,4-Trimethylbenzene	1.242	1.295	-4.3	134	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\081610-I\I43323SC.D
Acq On : 16 Aug 2010 9:54 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 4
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Multiple Level Calibration

MT 8/18/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

JL 08.13

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.153	0.249	MT -62.7#	210#	0.00
84	TM	sec-butylbenzene	1.516	1.581	-4.3	133	0.00
85	TM	p-isopropyltoluene	1.244	1.376	-10.6	140	0.00
86	TM	1,3-Dichlorobenzene	0.695	0.739	-6.3	139	0.02
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓123	0.02
88	TM	1,4-Dichlorobenzene	1.442	1.555	-7.8	138	0.00
89	TM	n-butylbenzene	2.466	2.603	-5.6	132	0.00
90	TM	1,2-Dichlorobenzene	1.320	1.468	-11.2	141	0.02
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.218	0.231	-6.0	131	0.00
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.989	1.009	-2.0	133	0.00
95	TM	Hexachlorobutadiene	0.453	0.452	0.2	137	0.00
96	TM	Naphthalene	2.245	2.398	-6.8	140	0.00
97	TM	1,2,3-Trichlorobenzene	0.903	0.922	-2.1	129	0.00
98	TM	1,3,5-Trichlorobenzene	1.016	1.071	-5.4	135	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	I43323SC.D
0=LINEAR	Date Acquired	8/16/2010 9:54
3=QUADRATIC	Sample Name	20 PPB

MT 8/18/10

METHOD: C:\HPCHEM\1\METHODS\VS08120I.M

JL 08-15-10

CAL FIT	Name	ug/mL Amount	ug/mL Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	18.78	20	6.1%	NA	OK
1	Chloromethane	19.70	20	1.5%	NA	OK
1	Vinyl Chloride	18.95	20	5.3%	NA	OK
3	Bromomethane	20.15	20	0.7%		OK
1	Chloroethane	21.76	20	8.8%	NA	OK
1	t-Butyl alcohol (TBA)	117.29	100	17.3%	NA	OK
1	Trichlorofluoromethane	18.17	20	9.1%	NA	OK
1	Diethyl ether	22.77	20	13.9%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	21.62	20	8.1%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	* MT
1	Acetone	97.11	100	2.9%	NA	OK
1	1,1-Dichloroethene	21.87	20	9.3%	NA	OK
1	Methyl iodide	21.79	20	8.9%	NA	OK
1	Di-isopropyl ether (DIPE)	22.25	20	11.2%	NA	OK
3	Methylene Chloride	22.22	20	11.1%		OK
1	Carbon Disulfide	22.88	20	14.4%	NA	OK
1	Acrylonitrile	21.33	20	6.6%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	22.59	20	12.9%	NA	OK
1	trans-1,2-Dichloroethene	21.91	20	9.6%	NA	OK
1	1,1-Dichloroethane	21.33	20	6.7%	NA	OK
1	Vinyl acetate	30.32	20	51.6%	NA	* MT
1	Methyl ethyl ketone	122.99	100	23.0%	NA	* M
1	Ethyl t-butyl ether (ETBE)	22.99	20	15.0%	NA	OK
1	2,2-Dichloropropane	21.47	20	7.3%	NA	OK
1	cis-1,2-Dichloroethene	21.56	20	7.8%	NA	OK
1	t-Amyl methyl ether (TAME)	23.09	20	15.5%	NA	OK
1	Chloroform	20.38	20	1.9%	NA	OK
1	Bromochloromethane	22.99	20	14.9%	NA	OK
1	Tetrahydrofuran	24.20	20	21.0%	NA	* M
1	1,1,1-Trichloroethane	20.43	20	2.2%	NA	OK
1	NO COMPOUND	0.00	1000	100.0%	NA	
1	1,1-Dichloropropene	21.75	20	8.7%	NA	OK
1	Carbon Tetrachloride	20.95	20	4.8%	NA	OK
1	d4-1,2-Dichloroethane	17.70	20	11.5%	NA	OK
1	1,2-Dichloroethane	19.38	20	3.1%	NA	OK
1	Benzene	21.52	20	7.6%	NA	OK
1	Trichloroethene	20.08	20	0.4%	NA	OK
1	1,2-Dichloropropane	21.56	20	7.8%	NA	OK
1	Methylmethacrylate	23.46	20	17.3%	NA	OK
1	NO COMPOUND	0.00	20	100.0%	NA	

MT 8/18/10

1	~~NO COMPOUN~~D	0.00	20	100.0%	NA	
1	Bromodichloromethane	20.39	20	1.9%	NA	OK
1	Dibromomethane	20.99	20	4.9%	NA	OK
1	1,4-Dioxane	584.47	500	16.9%	NA	OK
1	~~NO COMPOUN~~D	0.00	20	100.0%	NA	
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	* MT
1	2-Hexanone	114.09	100	14.1%	NA	OK
1	Methyl isobutyl ketone	115.89	100	15.9%	NA	OK
1	cis-1,3-Dichloropropene	21.63	20	8.1%	NA	OK
1	d8-Toluene	18.85	20	5.7%	NA	OK
1	Toluene	20.98	20	4.9%	NA	OK
1	trans-1,3-Dichloropropene	21.95	20	9.8%	NA	OK
1	1,1,2-Trichloroethane	20.68	20	3.4%	NA	OK
1	1,3-Dichloropropane	20.81	20	4.1%	NA	OK
1	Tetrachloroethene	17.23	20	13.8%	NA	OK
1	Dibromochloromethane	22.03	20	10.2%	NA	OK
1	1,2-Dibromoethane	20.89	20	4.4%	NA	OK
1	Chlorobenzene	21.59	20	7.9%	NA	OK
1	1,1,1,2-Tetrachloroethane	22.21	20	11.1%	NA	OK
1	Ethylbenzene	20.91	20	4.5%	NA	OK
1	m,p-Xylene	42.95	40	7.4%	NA	OK
1	o-Xylene	22.15	20	10.7%	NA	OK
1	Styrene	22.31	20	11.6%	NA	OK
1	Bromoform	22.13	20	10.6%	NA	OK
1	Isopropylbenzene	21.64	20	8.2%	NA	OK
1	1,1,2,2-Tetrachloroethane	20.87	20	4.4%	NA	OK
1	Bromofluorobenzene	18.78	20	6.1%	NA	OK
1	1,2,3-Trichloropropane	20.00	20	0.0%	NA	OK
1	trans-1,4-Dichloro-2-butene	22.20	20	11.0%	NA	OK
1	n-Propylbenzene	20.50	20	2.5%	NA	OK
1	Bromobenzene	21.26	20	6.3%	NA	OK
1	1,3,5-Trimethylbenzene	20.89	20	4.4%	NA	OK
1	2-Chlorotoluene	19.83	20	0.9%	NA	OK
1	4-Chlorotoluene	20.25	20	1.3%	NA	OK
1	tert-butylbenzene	19.39	20	3.0%	NA	OK
1	1,2,4-Trimethylbenzene	20.85	20	4.3%	NA	OK
1	Pentachloroethane	32.64	20	63.2%	NA	* MT
1	sec-butylbenzene	20.86	20	4.3%	NA	OK
1	p-isopropyltoluene	22.11	20	10.6%	NA	OK
1	1,3-Dichlorobenzene	21.28	20	6.4%	NA	OK
1	1,4-Dichlorobenzene	21.57	20	7.9%	NA	OK
1	n-butylbenzene	21.11	20	5.6%	NA	OK
1	1,2-Dichlorobenzene	22.24	20	11.2%	NA	OK
1	1,2-Dibromo-3-chloropropane	21.17	20	5.8%	NA	OK
1	1,2,4-Trichlorobenzene	20.40	20	2.0%	NA	OK
1	Hexachlorobutadiene	19.93	20	0.4%	NA	OK
1	Naphthalene	21.37	20	6.9%	NA	OK
1	1,2,3-Trichlorobenzene	20.43	20	2.2%	NA	OK
1	1,3,5-Trichlorobenzene	21.07	20	5.3%	NA	OK

09.13.10

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67494

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	122060		6.40		199837		7.93		176302		12.56		92681		16.38	
Upper Limit	244120		6.46		399674		7.99		352604		12.62		185362		16.44	
Lower limit	61030		6.34		99919		7.87		88151		12.50		46341		16.32	
SAMPLE ID																
1 PPB	126985		6.40		207366		7.93		179524		12.57		84249		16.38	
2 PPB	117764		6.40		193258		7.93		166977		12.56		82515		16.39	
5 PPB	121001		6.40		195561		7.93		171272		12.56		85875		16.39	
20 PPB	122060		6.40		199837		7.93		176302		12.56		92681		16.38	
50 PPB	125420		6.40		209040		7.94		188528		12.58		96420		16.39	
100 PPB	138964		6.39		229711		7.93		205937		12.56		101737		16.38	
20 PPB ICV	140348		6.40		229355		7.93		203812		12.56		101573		16.39	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67494

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	139157		6.40		226398		7.93		199836		12.57		95996		16.38	
Upper Limit	278314		6.46		452796		7.99		399672		12.63		191992		16.44	
Lower limit	69579		6.34		113199		7.87		99918		12.51		47998		16.32	
SAMPLE ID																
20 PPB	139157		6.40		226398		7.93		199836		12.57		95996		16.38	
LL08120I	141613		6.41		234091		7.94		202741		12.57		99703		16.39	
LL08120I2	141349		6.40		231277		7.93		205279		12.57		101460		16.39	
LB08120I	133856		6.40		220215		7.93		192950		12.56		91645		16.39	
67494-7	122476		6.40		196859		7.93		176383		12.57		82676		16.38	
67494-1	115487		6.40		186684		7.93		165247		12.56		81490		16.39	
67494-2	118320		6.40		198005		7.93		168746		12.56		84585		16.39	
67494-4	155893		6.40		255094		7.92		227461		12.56		109501		16.39	
67494-5	150641		6.40		253073		7.93		217011		12.57		102987		16.38	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67494

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	158738		6.40		266236		7.94		234190		12.57		113879		16.39	
Upper Limit	317476		6.46		532472		8.00		468380		12.63		227758		16.45	
Lower limit	79369		6.34		133118		7.88		117095		12.51		56940		16.33	
SAMPLE ID																
20 PPB	158738		6.40		266236		7.94		234190		12.57		113879		16.39	
LL08160I	161002		6.40		270110		7.94		238184		12.57		116131		16.40	
LL08160I2	160390		6.41		263791		7.94		232392		12.57		113003		16.39	
LB08160B	159954		6.41		260976		7.94		234317		12.57		112914		16.39	
67494-3	157065		6.41		258115		7.93		231026		12.57		112463		16.39	
67494-5	143258		6.40		235078		7.93		207194		12.57		99478		16.38	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV08120K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 08/12/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				98
Surrogate % Recovery (2,5-Dibromotoluene) FID				93
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Client Sample ID: FDS-6

SAMPLE DATA

Lab Sample ID: 67494-5
Matrix: Solid
Percent Solid: 89
Dilution Factor: 72.2
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/12/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3610	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3610	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	290	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3610	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3610	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	720	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				109
Surrogate % Recovery (2,5-Dibromotoluene) FID				103
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Client Sample ID: FDS-5

SAMPLE DATA

Lab Sample ID: 67494-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 63
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/12/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3150	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3150	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	250	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3150	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3150	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	630	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				102
Surrogate % Recovery (2,5-Dibromotoluene) FID				97
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67494

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV08120K	102		109	
LSV08120K2	104		109	
MBV08120K	93		98	
67494-5	103		109	
67494-6	97		102	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67494
Non-spiked sample: MBV08120K
Spike: LSV08120K
Spike duplicate: LSV08120K2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	5649	113		5581	112		1	
2-Methylpentane	5000	5000	70	130	25	0	5568	111		5478	110		2	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	5332	107		5025	101		6	
n-Decane	5000	5000	70	130	25	0	5973	119		5833	117		2	
n-Butylcyclohexane	5000	5000	70	130	25	0	5799	116		5644	113		3	
Methyl-t-butylether #2	5000	5000	70	130	25	0	4796	96		4922	98		3	
Benzene #2	5000	5000	70	130	25	0	5283	106		5323	106		1	
Toluene #2	5000	5000	70	130	25	0	5302	106		5336	107		1	
Ethylbenzene #2	5000	5000	70	130	25	0	5227	105		5241	105		0	
m,p-Xylene #2	10000	10000	70	130	25	0	10699	107		10771	108		1	
o-Xylene #2	5000	5000	70	130	25	0	5085	102		5120	102		1	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	5233	105		5253	105		0	
Naphthalene #2	5000	5000	70	130	25	0	5082	102		5184	104		2	
C5-C8 Aliphatics	15000	15000	70	130	25	0	16549	110		16085	107		3	
C9-C12 Aliphatics	10000	10000	70	130	25	0	11773	118		11478	115		3	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	5233	105		5253	105		0	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

072210-K

VPH Surrogate: -

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	~~07~~ VPH072210.M	BLK	5ml	–	–		K27978	JJL	N/A
2		VPH 100		200ml	V8896	✓, changed trap + baked	79SC		
3		BLK		–	–		80		
4		VPH 100		200ml	V8896	✓	81SC		
5		LSV072210K	100ml/5ml	5ml	V8899	↑ Pentane, changed sparge tube	82Q		
6		BLK	5ml	–	–		83		
7		LSV072210K,RR	100ml/5ml	5ml	V8899	↑ Pentane, Recal	84Q		
8		BLK	5ml	–	–	co concern	85		
9		VPH 1		2ml	V8910	✓	86S1		
10		VPH 2		4ml		✓	87S1		
11		VPH 5		10ml		✓	88S1		
12		VPH 20		40ml		✓	89S1		
13		VPH 50		100ml		✓	90S1		
14		VPH 100		200ml		✓	91S1		
15		VPH 200		400ml		✓	92S1		
16		BLK		–	–	co concern	93		
17		VPH 500		1ml	V8910	✓	94S1		
18		BLK		–	–	co concern	95		
19		LV072210K, ICV		100ml	V8998	✓	96Q		
20		VPH 100		200ml	V8910	✓ Test theory on instr.	97		

gg 7/23/10

analytics environmental laboratory LLC

081210-K

GC Volatiles Instrument: K

Load: MT

Unload: JC

W-K-081210-1-MT

VPH Surrogate: (1) V8932 x. 1/29/11

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	VPH072210.M	BLK	5mL	—	—		K28504	MT	n/A
2		VPH 100ug/L	1	200uL	V8933	✓	05SC		
3		LSV08120K	100uL/5mL	5uL	V8899	✓	06Q		
4		LSV08120K2	1	1	1	✓	07Q		
5		BLK	5mL	—	—		08		
6		MBV08120K	100uL/5mL	10uL	V8932	✓	09B		
7		67494-5	1	1	(1)	✓	10		
8		1 -6	1	1	1	✓	11		
9		VPH 100ug/L	5mL	200uL	V8933	✓	12SC		

8/16/10

Response Factor Report HP G1530A

Method Path : C:\msdchem\1\METHODS\
Method File : VPH072210.M
Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
Last Update : Fri Jul 23 15:04:23 2010
Response Via : Initial Calibration

Calibration Files
2 =K27987SI.D 5 =K27988SI.D 20 =K27989SI.D
50 =K27990SI.D 0.5 =K25795SI.D 100 =K27991SI.D

SB 7/26/10

		Compound	2	5	20	50	0.5	100	Avg	%RSD
1)	ZM	Pentane	6.623	6.311	7.147	7.202		7.570	6.997 E3	6.67
2)	ZM	2-Methylpentane	8.536	7.466	8.207	8.247		8.690	8.185 E3	5.68
3)	T	Methyl-t-buty...							0.000	-1.00
4)	ZM	2,2,4-Trimeth...	8.216	7.647	8.896	8.375		7.993	7.717 E3	12.43
5)	T	Benzene							0.000	-1.00
6)	T	Toluene							0.000	-1.00
7)	XH	C5-C8 ALIPHATICS	7.792	7.141	8.083	7.941		8.084	7.325 E3	12.19
8)		n-Nonane							0.000	-1.00
9)	T	Ethylbenzene							0.000	-1.00
10)	T	m,p-Xylene							0.000	-1.00
11)	T	o-Xylene							0.000	-1.00
12)	ZM	n-Decane	6.039	4.950	5.191	5.579		7.997	6.897 E3	23.76
13)	ZM	n-Butylcycloh...	6.357	6.435	6.593	6.777		8.029	7.361 E3	16.80
14)	XH	C9-C12 ALIPHA...	6.198	5.693	5.892	6.178		8.013	7.129 E3	19.33
15)	Z	1,2,4-Trimeth...							0.000	-1.00
16)	XH	C9-C10 AROMATICS							0.000	-1.00
17)	T	Naphthalene							0.000	-1.00
18)	S	2,5-Dibromoto...	3.791	2.742	2.584	2.712		2.859	2.941 E3	13.62

Signal #2 Calibration Files
2 =K27987SI.D 5 =K27988SI.D 20 =K27989SI.D
50 =K27990SI.D 0.5 =K25795SI.D 100 =K27991SI.D

SMC 7/26/10

		Compound	2	5	20	50	0.5	100	Avg	%RSD
1)	Z	Pentane							0.000	-1.00
2)	Z	2-Methylpentane							0.000	-1.00
3)	TM	Methyl-t-buty...	5.373	4.158	4.484	4.526		4.479	4.664 E3	12.22
4)	Z	2,2,4-Trimeth...							0.000	-1.00
5)	TM	Benzene	1.280	1.265	1.309	1.312		1.321	1.301 E4	1.56
6)	TM	Toluene	1.248	1.135	1.190	1.197		1.223	1.193 E4	3.83
7)	XH	C5-C8 ALIPHATICS							0.000	-1.00
8)		n-Nonane							0.000	-1.00
9)	TM	Ethylbenzene	1.177	0.993	1.048	1.061		1.087	1.093 E4	6.11
10)	TM	m,p-Xylene	1.224	1.143	1.234	1.248		1.283	1.255 E4	5.18
11)	TM	o-Xylene	1.143	0.990	1.048	1.062		1.083	1.119 E4	12.52
12)	Z	n-Decane							0.000	-1.00
13)	Z	n-Butylcycloh...							0.000	-1.00
14)	XH	C9-C12 ALIPHA...							0.000	-1.00
15)	ZM	1,2,4-Trimeth...	1.101	0.986	1.065	1.097		1.136	1.180 E4	20.03
16)	XH	C9-C10 AROMATICS	1.101	0.986	1.065	1.097		1.136	1.180 E4	20.03
17)	TM	Naphthalene	1.007	0.881	0.939	0.971		0.997	1.019 E4	14.63
18)	S	2,5-Dibromoto...	8.562	6.808	7.149	7.585		8.153	7.893 E3	9.31

(#) = Out of Range ### Number of calibration levels exceeded format ###

VOLATILE PETROLEUM HYDROCARBONS AQUEOUS
LABORATORY CONTROL SAMPLE

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: LV072210K,ICV
Spike: LV072210K,ICV

7/26/10

VMT 7/26/10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
Pentane	100	70	130	0.0	119	119	
2-Methylpentane	100	70	130	0.0	111	111	
2,2,4-Trimethylpentane	100	70	130	0.0	96	96	
n-Decane	100	70	130	0.0	111	111	
n-Butylcyclohexane	100	70	130	0.0	102	102	
Methyl-t-butylether #2	100	70	130	0.0	95	95	
Benzene #2	100	70	130	0.0	103	103	
Toluene #2	100	70	130	0.0	103	103	
Ethylbenzene #2	100	70	130	0.0	99	99	
m,p-Xylene #2	200	70	130	0.0	204	102	
o-Xylene #2	100	70	130	0.0	97	97	
1,2,4-Trimethylbenzene #2	100	70	130	0.0	97	97	
Naphthalene #2	100	70	130	0.0	100	100	
C5-C8 Aliphatics	300	70	130	0.0	326	109	
C9-C12 Aliphatics	200	70	130	0.0	213	107	
C9-C10 Aromatics #2	100	70	130	0.0	97	97	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VPH FORM 3

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67494
Standard ID: VPH 100 UG/L
Data File ID: K28505SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	103	3.3	
2-Methylpentane	104	4.4	
2,2,4-Trimethylpentane	117	16.6	
n-Decane	115	14.8	
n-Butylcyclohexane	111	10.6	
2,5-Dibromotoluene	92	7.8	
Methyl-t-butylether #2	97	3.2	
Benzene #2	102	1.8	
Toluene #2	103	3.1	
Ethylbenzene #2	101	0.7	
m,p-Xylene #2	207	3.6	
o-Xylene #2	98	1.9	
1,2,4-Trimethylbenzene #2	98	2.2	
Naphthalene #2	94	5.7	
2,5-Dibromotoluene #2	98	1.7	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67494
Standard ID: VPH 100 UG/L
Data File ID: K28512SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	101	0.5	
2-Methylpentane	104	3.7	
2,2,4-Trimethylpentane	117	16.7	
n-Decane	109	8.9	
n-Butylcyclohexane	112	11.8	
2,5-Dibromotoluene	98	2.3	
Methyl-t-butylether #2	97	3.1	
Benzene #2	102	2.3	
Toluene #2	103	3.5	
Ethylbenzene #2	102	1.5	
m,p-Xylene #2	208	4.0	
o-Xylene #2	99	1.3	
1,2,4-Trimethylbenzene #2	99	0.9	
Naphthalene #2	96	4.2	
2,5-Dibromotoluene #2	106	5.6	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67494

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K28505SC.D	8/12/2010 11:12	11.354		11.354	
Upper Limit			11.384		11.384	
Lower limit			11.324		11.324	

SAMPLE ID

LSV08120K	K28506Q.D	8/12/2010 11:57	11.355		11.354	
LSV08120K2	K28507Q.D	8/12/2010 12:22	11.354		11.353	
MBV08120K	K28509B.D	8/12/2010 13:56	11.354		11.354	
67494-5	K28510.D	8/12/2010 14:31	11.355		11.355	
67494-6	K28511.D	8/12/2010 14:56	11.355		11.355	
VPH 100 UG/L	K28512SC.D	8/12/2010 15:45	11.355		11.355	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B08110EASE
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 08/11/10
Analysis Date: 08/12/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				56
Aromatic Surrogate % Recovery (O-Terphenyl)				83
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				79
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				76
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mark Lull

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Nereson
Ransom Environmental Consultants, Inc.
112 Corporate Drive
Portsmouth NH 03801

August 18, 2010

CLIENT SAMPLE ID

Project Name: CVS- South Portland, ME

Project Number: 051182
Client Sample ID: FDS-6

SAMPLE DATA

Lab Sample ID: 67494-5
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1.1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Extraction Date: 08/11/10
Analysis Date: 08/12/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29400	µg/kg	U
Diesel PAH Analytes	Naphthalene	294	µg/kg	U
	2-Methylnaphthalene	294	µg/kg	U
	Phenanthrene	294	µg/kg	**598**
	Acenaphthene	294	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	294	µg/kg	U
	Fluorene	294	µg/kg	U
	Anthracene	294	µg/kg	U
	Fluoranthene	294	µg/kg	**763**
	Pyrene	294	µg/kg	**612**
	Benzo[a]anthracene	294	µg/kg	**271 J**
	Chrysene	294	µg/kg	**303**
	Benzo[b]fluoranthene	294	µg/kg	U
	Benzo[k]fluoranthene	294	µg/kg	U
	Benzo[a]pyrene	294	µg/kg	**343**
	Indeno[1,2,3-cd]pyrene	294	µg/kg	**412**
	Dibenzo[a,h]anthracene	294	µg/kg	**149 J**
	Benzo[g,h,i]perylene	294	µg/kg	**262 J**
C9-C18 Aliphatic Hydrocarbons[1]		29400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				42
Aromatic Surrogate % Recovery (O-Terphenyl)				59
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				88
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				83
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mfurbell

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Client Sample ID: FDS-5

SAMPLE DATA

Lab Sample ID: 67494-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.0
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Extraction Date: 08/11/10
Analysis Date: 08/12/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27500	µg/kg	U
Diesel PAH Analytes	Naphthalene	275	µg/kg	U
	2-Methylnaphthalene	275	µg/kg	U
	Phenanthrene	275	µg/kg	U
	Acenaphthene	275	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	275	µg/kg	U
	Fluorene	275	µg/kg	U
	Anthracene	275	µg/kg	U
	Fluoranthene	275	µg/kg	U
	Pyrene	275	µg/kg	U
	Benzo[a]anthracene	275	µg/kg	U
	Chrysene	275	µg/kg	U
	Benzo[b]fluoranthene	275	µg/kg	U
	Benzo[k]fluoranthene	275	µg/kg	U
	Benzo[a]pyrene	275	µg/kg	U
	Indeno[1,2,3-cd]pyrene	275	µg/kg	U
	Dibenzo[a,h]anthracene	275	µg/kg	U
	Benzo[g,h,i]perylene	275	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27500	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27500	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27500	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				46
Aromatic Surrogate % Recovery (O-Terphenyl)				62
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				81
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				78
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494

SAMPLE ID	SMC 1 (%)	#
B080110EASE	56	
L080110EASE	61	
LD08110EASE	66	
67494-5	42	
67494-6	46	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B08110EASE	79		76		83	
L08110EASE	82		77		87	
LD08110EASE	85		83		89	
67494-5	88		83		59	
67494-6	81		78		62	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B081110EASE,RR	77		69		76	
L081110EASE,RR	82		68		77	
LD081110EASE,RR	87		74		83	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494
Non-spiked sample: B080110EASE
Spike: L080110EASE
Spike duplicate: LD08110EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3333	3333	30	140	25	0	1903	57		1901	57		0	
C-10	3333	3333	40	140	25	0	2215	66		2237	67		1	
C-12	3333	3333	40	140	25	0	2379	71		2382	71		0	
C-14	3333	3333	40	140	25	0	2457	74		2551	77		4	
C-16	3333	3333	40	140	25	0	2639	79		2673	80		1	
C-18	3333	3333	40	140	25	0	2663	80		2716	81		2	
C-19	3333	3333	40	140	25	0	2639	79		2719	82		3	
C-20	3333	3333	40	140	25	0	2631	79		2714	81		3	
C-22	3333	3333	40	140	25	0	2603	78		2710	81		4	
C-24	3333	3333	40	140	25	0	2481	74		2684	81		8	
C-26	3333	3333	40	140	25	0	2439	73		2685	81		10	
C-28	3333	3333	40	140	25	0	2463	74		2783	84		12	
C-30	3333	3333	40	140	25	0	2412	72		2715	81		12	
C-36	3333	3333	40	140	25	0	2234	67		2706	81		19	
C9-C18 Aliphatics	20000	20000	40	140	25	0	14257	71		14460	72		1	
C19-C36 Aliphatics	26667	26667	40	140	25	0	19902	75		21716	81		9	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494
Non-spiked sample: B08110EASE
Spike: L08110EASE
Spike duplicate: LD08110EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3333	3333	40	140	30	0	2236	67		2386	72		6	
2-Methylnaphthalene	3333	3333	40	140	30	0	2303	69		2420	73		5	
Acenaphthylene	3333	3333	40	140	30	0	2403	72		2588	78		7	
Acenaphthene	3333	3333	40	140	30	0	2439	73		2574	77		5	
Fluorene	3333	3333	40	140	30	0	2610	78		2608	78		0	
Phenanthrene	3333	3333	40	140	30	0	2730	82		2813	84		3	
Anthracene	3333	3333	40	140	30	0	2799	84		2796	84		0	
Fluoranthene	3333	3333	40	140	30	0	2700	81		2830	85		5	
Pyrene	3333	3333	40	140	30	0	2773	83		2910	87		5	
Benzo[a]anthracene	3333	3333	40	140	30	0	2876	86		2904	87		1	
Chrysene	3333	3333	40	140	30	0	2806	84		2794	84		0	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	2646	79		2708	81		2	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	2851	86		2804	84		2	
Benzo[a] pyrene	3333	3333	40	140	30	0	2696	81		2825	85		5	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	2727	82		2786	84		2	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	2841	85		2878	86		1	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	2890	87		2886	87		0	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG: 67494
Aliphatic LCS: L08110EASE
Aromatic LCS: L08110EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	16.8	0.0	
2-Methylnaphthalene	0	5	0.00	17.3	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG: 67494
Aliphatic LCS: LD08110EASE
Aromatic LCS: LD08110EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	17.9	0.0	
2-Methylnaphthalene	0	5	0.00	18.1	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

Instrument D

Analytics environmental laboratory LLC

Seq. ID: 080410-D

IS only#: EPH S9770 ~~S9770~~ AW 8/4/10

EXP: 1/30/11

Tune File: ABN.u

Date: 8/4/10

Loading Check: AW

Voltage: 1965

Analyst: AW/NP

Unloading Check: NP

filament 2

Vial	Meth File	Sample	DF	Data File #	Comments
1	tunemix	S9836 tunemix	50ng	D71435TT-45T	adjust mtune
1	tunemix	S9836 tunemix	50ng	46T	✓
2	ALG80410	S9700 Ali 5		47 ST	✓
3		S9701 Ali 10		48	✓
4		S9702 Ali 20		49	✓
5		S9936 Ali 40		50	✓
6		S9704 Ali 50		51	✓
7		S9705 Ali 100		52	✓
8		S9715 Ali 20 ICV		53	✓
9	ARM80410	S9706 ARO 2		54 ST	✓
10		S9707 ARO 5		55	✓
11		S9708 ARO 10		56	✓
12		S9937 ARO 20		57	✓
13		S9710 ARO 50		58	✓
14		S9711 ARO 100		59	✓
15		S9716 ARO 20 ICV		60	✓ ARO80510 ~~Sht not used~~ OK
~~15~~		~~S9716 ARO 20 ICV~~		~~66~~	AW 8/6/10
1	tunemix	S9836 tunemix			Not Needed
5	ALG80410	S9936 Ali 40			
12	ARM80410	S9937 ARO 20			
16		Hexane w/IS			
15		S9716 ARO 20 ICV			
15		S9716 ARO 20 ICV			

AW 8/6/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Instrument D

Analytics environmental laboratory LLC

Seq. ID: 081210-D | IS only#: S9992 EPHIS | EXP: 2·10·11

Tune File: ABN.M | Date: 8·12·10 | Loading Check: MJ / MV

Voltage: 1965 | Analyst: MV | Unloading Check:

W-D-081210-1-ALL

Vial	Meth File	Sample	DF	Data File #	Comments
1	TUNEMIX	S9836 TUNE 50ng		D71740T	✓ 10:03
2	ALG080410.M	S9936 ALI40		41SC	✓
3	ARM080410.M	S9937 ARO20		42SC	✓
4		Hexane w IS		43	✓
5		B081110EASE ALI		44B	✓
6		L081110 EASE		45Q	✓
7		LD081110 EASE		46Q	✓
8		B081110EASE ARO		47B	✓
9		L081110EASE		48Q	✓
10		LD081110EASE		49Q RB	✓ IS - opening std concentrated
11		67494-5 ALI		50	✓
12		67494-6		51	✓
13		67494-5 ARO		52	✓
14		67494-6		53	✓
15		67433-2, Rx ALI		54	RL 1:20
16		67433-2, Rx ARO		55	RL 1:5
17		67393-11, Rx ALI		56	✓
18		67393-11, Rx ARO		57	✓
~~19~~		~~67488-4 ALI~~	~~081210~~	~~58~~	CUT
~~20~~		~~67488-4 ARO~~	~~081210~~	~~59~~	CUT
2		S9936 ALI40		60SC	✓
3		S9937 ARO20		61SC	✓
2		S9936 ALI40		62SC	✓
3		S9937 ARO20		63SC	✓
1	tunemix	S9836 tunemix 50ng		64T	✓
2	ALG080410	S9936 ALI 40		65SC	BRL w/ fresh
3	ARM080410	S9937 ARO20		66SC	Standards
4		Hexane w/IS		67	
1	tunemix	S9836 tunemix 50ng		68T	✓
2	ALG080410	S9936 ALI 40		69SC	✓
3	ARM080410	S9937 ARO20		70SC	✓
4		Hexane w/IS		71	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

Instrument J

Analytics Environmental Laboratory LLC

EPH

081310-J

IS only#: S9992 EXP: 2/10/11

Tune File: ABU.u Date: 8/13/10 Loading Check: AUR

Voltage: 1953 Analyst: AUR Unloading Check:

W-J-081310-1-AUR

Vial	Meth File	Sample	DF	Data File #	Comments
99		MeCl2	1	J35314	
1	tunemix	S9836 tunemix 50ng		15T	✓
2	~~ARSIM~~ AR 8/13/10	S9714 ARO 0.1		16SI	✓
3	ARMSIM 081310	S9713 ARO 0.2		17	✓
4		S9712 ARO 1.0		18	✓
5		S9706 ARO 2		19	✓
6		S9707 ARO 5		20	✓
7		S9708 ARO 10		21	✓
8	ARM081310	S9937 ARO 20		22	✓
9		S9710 ARO 50		23	✓
10		S9711 ARO 100		24	✓
11		S9716 ARO 20 ICV		25	✓
12		S9717 ARO 2 ICV		26	✓
W-J-081310-2-AUR				~~27~~ AUR 8/14/10	
1	tunemix	S9836 tunemix 50ng		27T	✓
2		S9937 ARO 20		28SC	✓
3		S9706 ARO 2		29SC	✓
13		Hexane w/IS		30	✓
14	AUR 8/14/10	~~B081210EW~~ L081210EW		31B	Not used Wrong Vials
15		~~L081210EW~~ LD081210EW		32	loaded
14		B081210EW ARO		33B	✓
15		L081210EW		34Q	✓
16		LD081210EW		35Q	✓
17		~~67393-3 RX~~		L081210EW AL 36Q	✓
18		67471-1		LD081210EW 37Q	✓
19		-2		~~BOX 11 DEASE ARO~~ 38B	✓
20		-3		L081110EASE 39Q	✓
21		67480-1		LD081110EASE 40Q	✓
22		67481-1		67433-2 RX 41	✓
23		67487-19		67470-2 42	✓ 1:2
24		-19, ms		67393-3 RX 43	✓
25		-19, msd		67471-1 44	✓
26		-20		-2 45	✓
27		-21		-3 46	✓

AUR 8/14/10

EPH IS S10017 X 2/14/11

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot :

Methylene Chloride Lot:

Cont. pg - 29

Instrument J

Analytics environmental laboratory LLC

Cont. 081310-J

EPH

IS only# S10017 EXP: 2/14/11

Tune File: ABN.u Date: 8/13/10 Loading Check: ALR

Voltage: 1953 Analyst: ALR Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
~~28~~		~~67499-2 ARO~~			
~~29~~		~~-3~~			ALR 8/14/10
28	ARMOX1310	67480-1		J35347	✓
29	ARMSIMOX1310	67481-1		48	✓
30		67487-19		49	✓
31		-19, MS		50SP	✓
32		-19, MSD		51SP	✓
33		-20		52	✓
34		-21		53	✓
35		67499-2		54	✓
36		-3		55	✓
8		S9937 ARO 20		56SC	✓
5		S9706 ARO 2		57SC	✓
8		S9937 ARO 20		58SC	✓
5		S9706 ARO2		59SC	✓
7		S9836 TUNEU 1x50ng		60T	✓
8		S9937 ARO 20		61SC	✓
5		S9706 ARO 2		62SC	✓ Not needed
13		~~B081110GASGRR2~~		~~63A~~	← Hexane w ES vial 13 file 63A
14		B081110GASGRR2		63B	✓
37		67487-2		64	✓
38		67487-3		65	✓
39		67487-5		66	✓
40		67487-5 MS		67	✓
41		67487-5, MSD		68	✓
42		67487-8		69	✓
43		B081310EASE		70	✓
44		L081310EASE		71	✓
45		LD081310EASE		72	✓
46		L081310EASE	ALR	73	✓
47		LD 081310EASE	1	74	✓
48		67350-9, RF		75	✓
49		67350-11 RX		76	confirms ↓SS
50		67470-3 RX		77	↓SS confirms
51		67512-2		78	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9706 ARO 2	D71454SI.D	8/5/10 5:51
S9707 ARO 5	D71455SI.D	8/5/10 6:22
S9708 ARO 10	D71456SI.D	8/5/10 6:52
S9937 ARO 20	D71457SI.D	8/5/10 7:22
S9710 ARO 50	D71458SI.D	8/5/10 7:53
S9711 ARO 100	D71459SI.D	8/5/10 8:23
S9716 ARO 20 ICV	D71460.D	8/5/10 8:53

Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9700 ALI 5	D71447SI.D	8/5/10 2:18
S9701 ALI 10	D71448SI.D	8/5/10 2:48
S9702 ALI 20	D71449SI.D	8/5/10 3:19
S9936 ALI 40	D71450SI.D	8/5/10 3:49
S9704 ALI 50	D71451SI.D	8/5/10 4:20
S9705 ALI 100	D71452SI.D	8/5/10 4:50
S9715 ALI 20 ICV	D71453.D	8/5/10 5:21

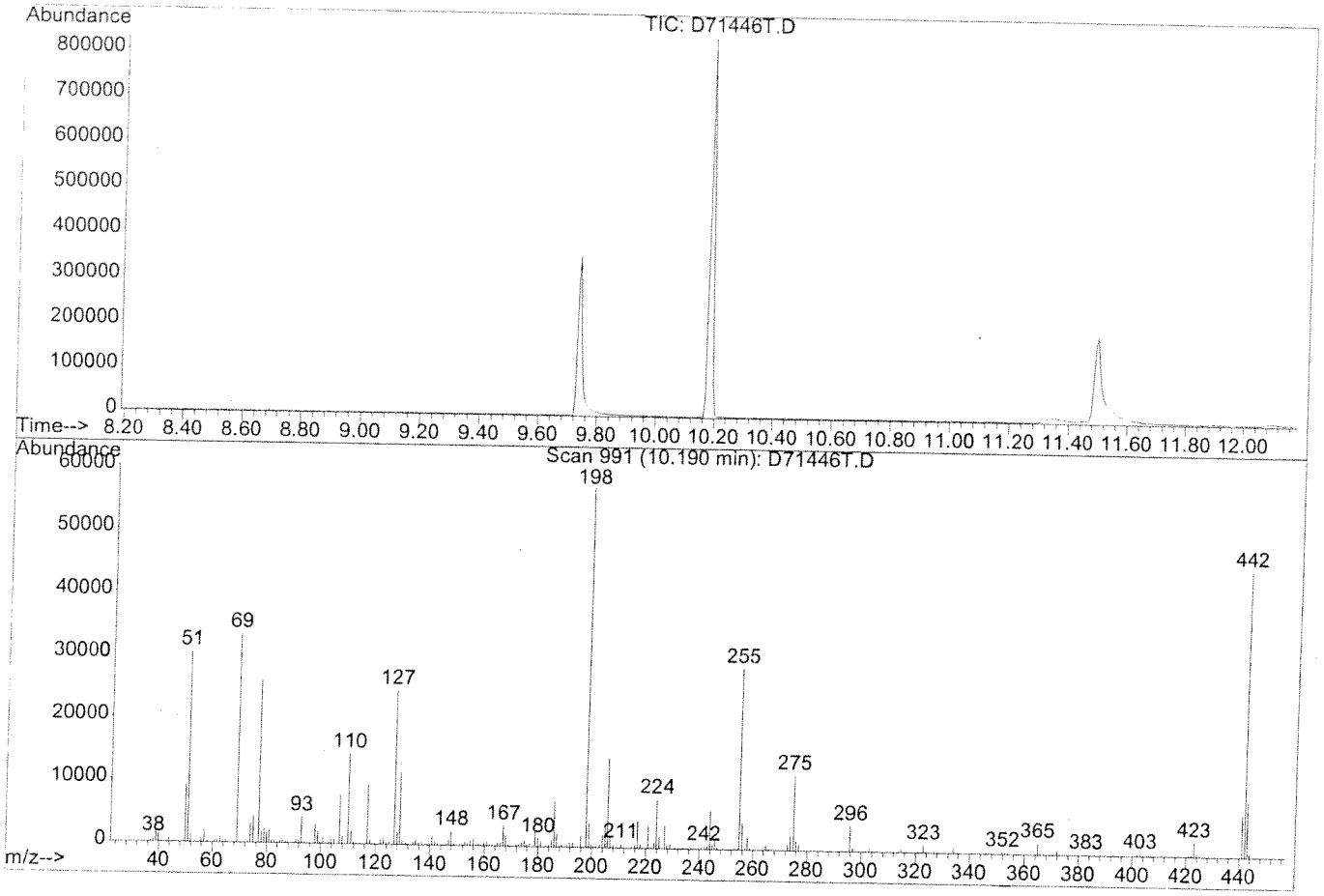
Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00



Spectrum Information: Scan 991

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.9	30392	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.0	33320	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.7	24560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	57496	PASS
199	198	5	9	6.9	3944	PASS
275	198	10	30	20.9	12023	PASS
365	198	1	100	3.2	1842	PASS
441	443	0.01	100	76.4	6759	PASS
442	198	40	100	79.4	45640	PASS
443	442	17	23	19.4	8852	PASS

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:04 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71446T.D**
Date Acquired **8/5/2010 1:47**

N080510

Name	Target Response
PENTACHLOROPHENOL	39778.00
BENZIDINE	151505.00
DDE	53.00
DDD	1884
DDT	149663

(0% - 20%)

%DDT BREAKDOWN = 1.28% **OK** ✓

✓ 8/5/10

8/5/10 2:16 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP080510

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.74	266	39778	15.78 UG/L	95
2) DFTPP	10.18	198	75090	24.58 ug/ml#	60
3) BENZIDINE	11.50	184	151505	18.88 UG/L #	100
4) DDE	11.79	246	53	0.53 UG/L #	24
5) DDD	12.36	235	1884	18.84 UG/L #	19
6) DDT	12.93	235	149663	33.12 UG/L #	86

✓ 8/5/10

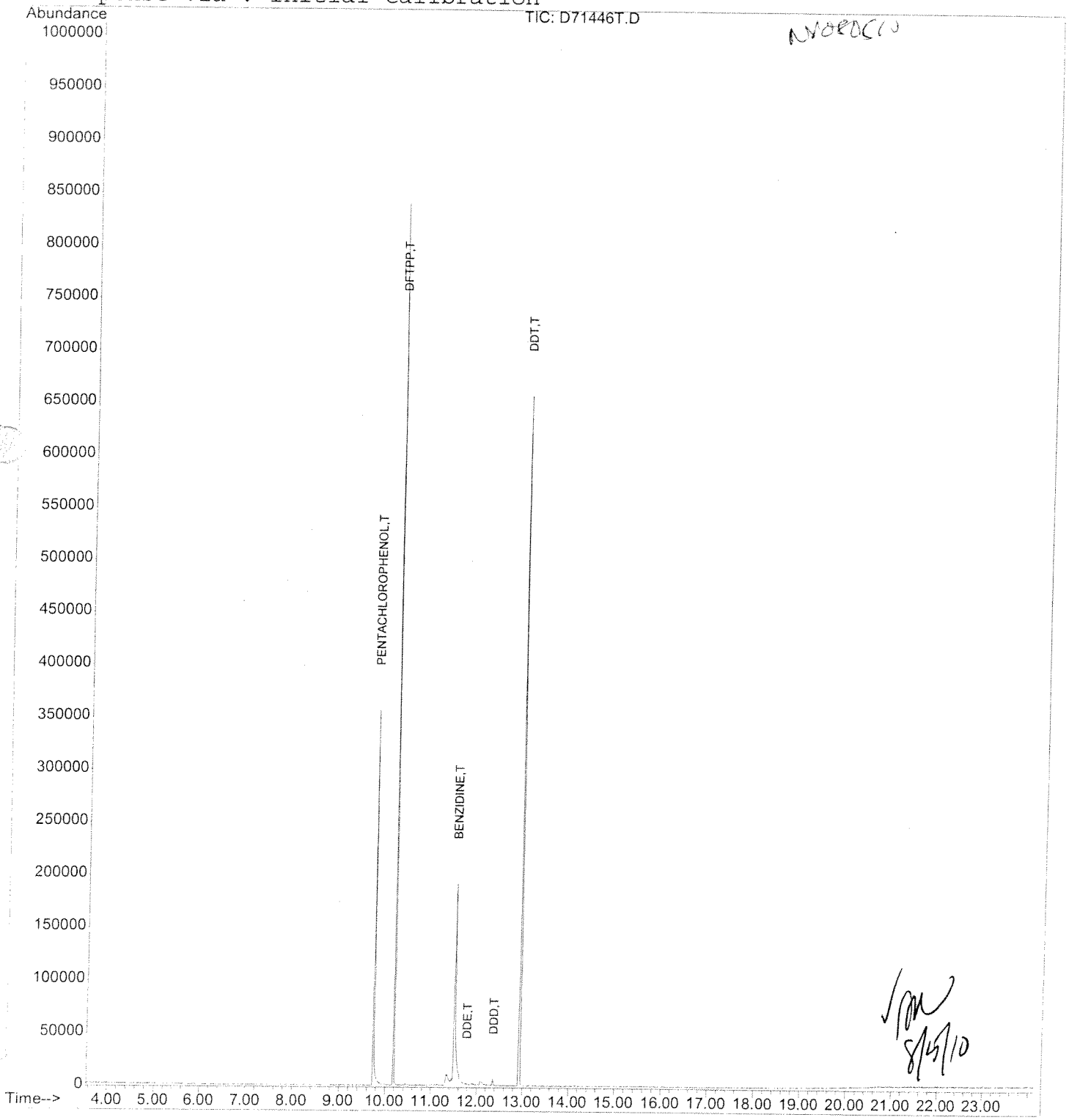
(#) = qualifier out of range (m) = manual integration
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RE

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration



NVOROCIO

8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010 Page 2

Quantitation Report (Qedit)

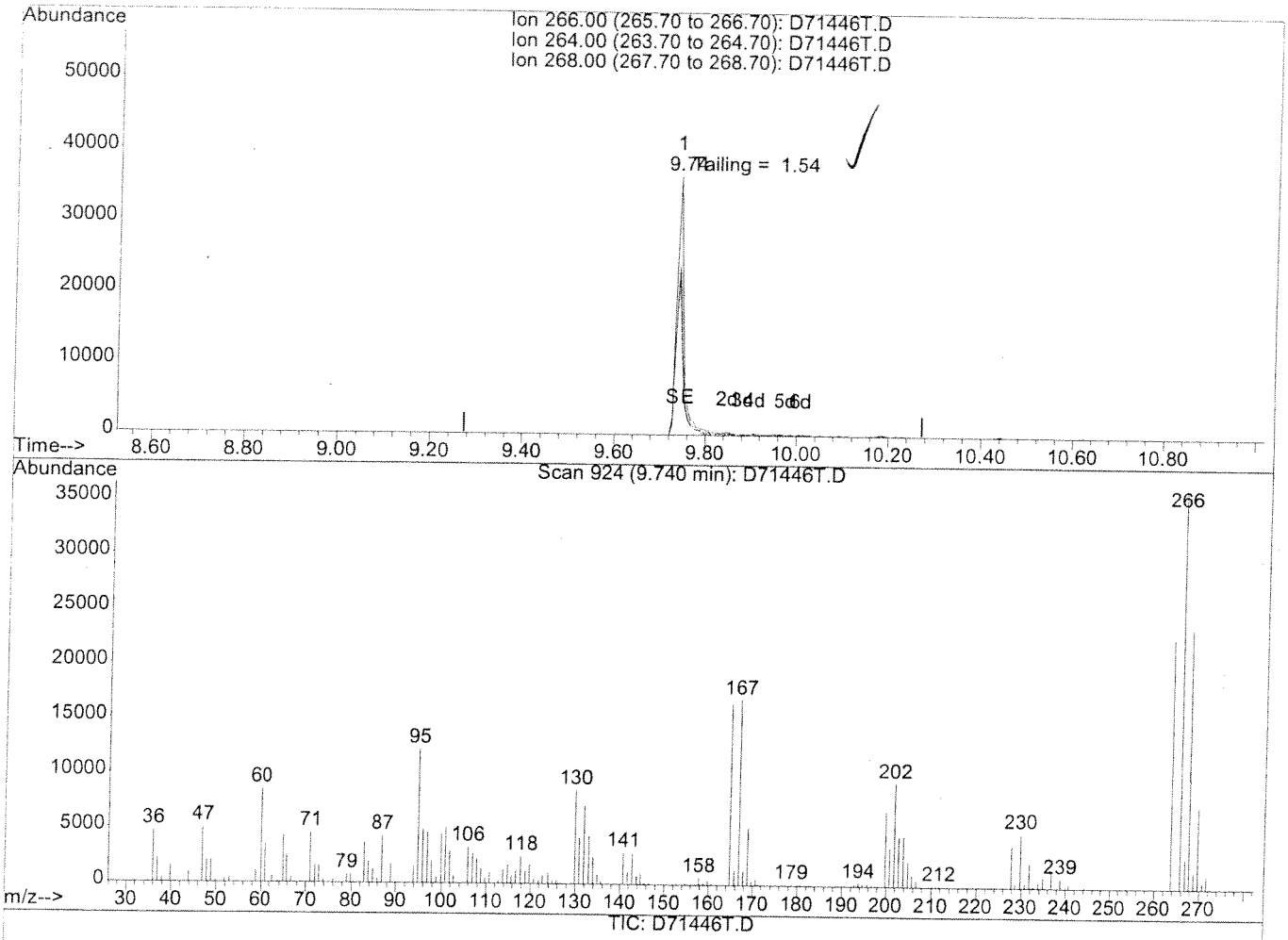
Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

N 10825 CO



(1) PENTACHLOROPHENOL (T)

9.74min 15.78UG/L

response 39778

Ion	Exp%	Act%
266.00	100	100
264.00	59.50	61.59
268.00	58.20	63.08
0.00	0.00	0.00

8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:40 2010

Integration Report (Qedit)

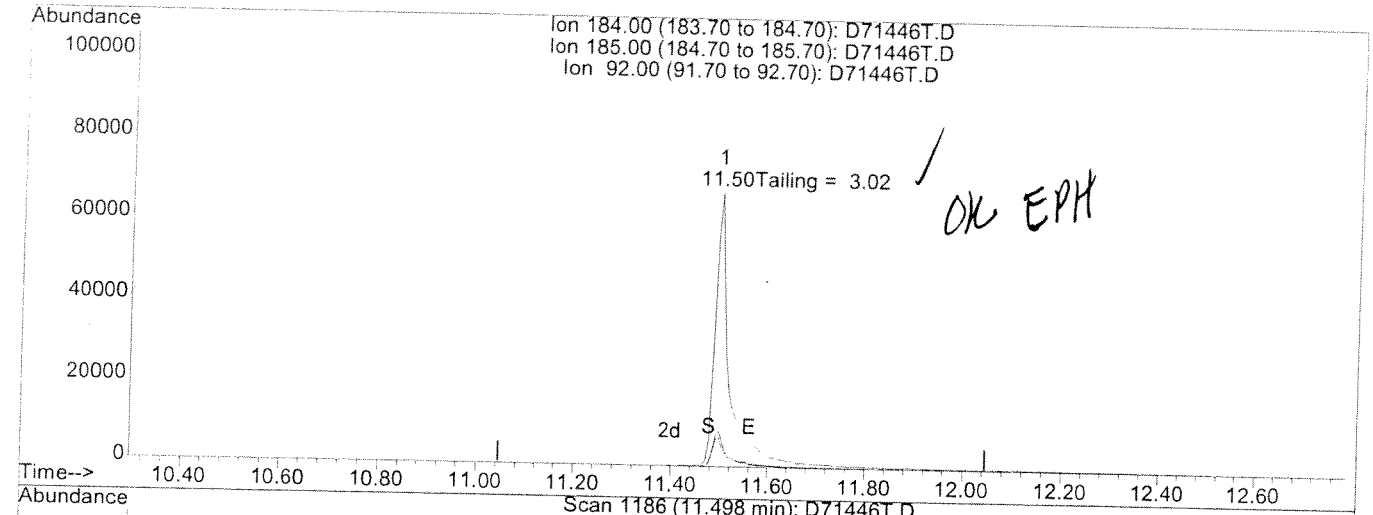
Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

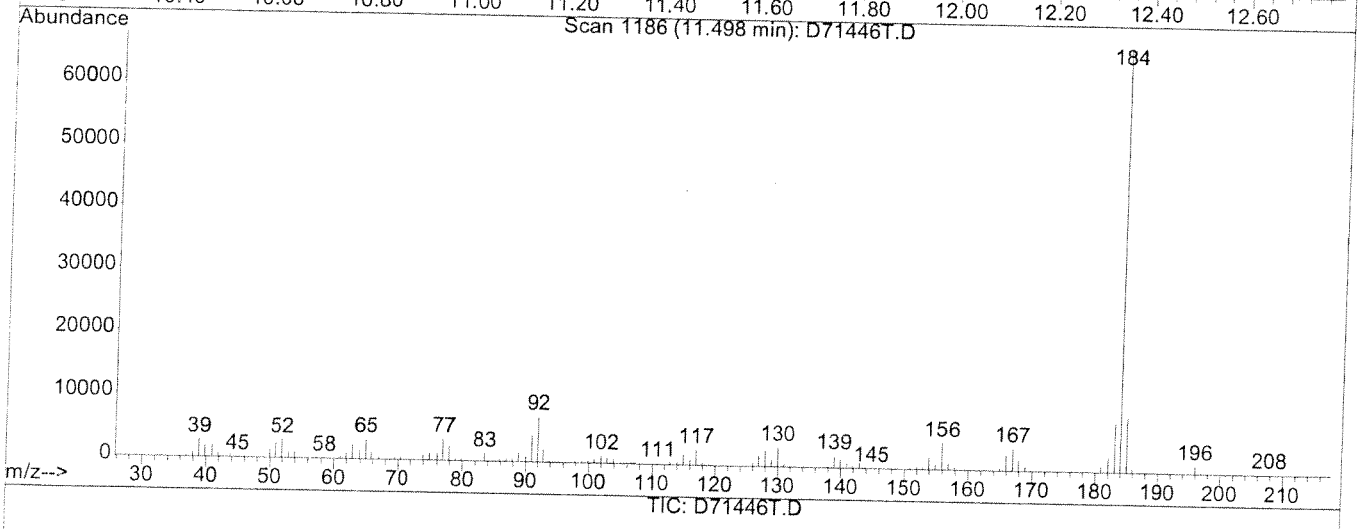
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

N-080510



OK EPH



(3) BENZIDINE (T)

11.50min 18.88UG/L

response 151505

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.18#
92.00	0.00	10.90#
0.00	0.00	0.00

OK 8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:19:09 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494
DFTPP File ID: D71740T.D
DFTPP Injection Date: 08/12/10
DFTPP Injection Time: 10:03

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9936 ALI 40	D71741SC.D	8/12/10 10:33
HEXANE W/IS	D71743.D	8/12/10 11:33
B080110EASE	D71744B.D	8/12/10 12:39
L080110EASE	D71745Q.D	8/12/10 13:09
LD08110EASE	D71746Q.D	8/12/10 13:50
67494-5	D71750.D	8/12/10 15:50
67494-6	D71751.D	8/12/10 16:20
S9936 ALI 40	D71760SC.D	8/12/10 19:49

Refer to the DFTPP report D71740T.D for ion ratio evaluation.

EPH FORM 5

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494
DFTPP File ID: D71740T.D
DFTPP Injection Date: 08/12/10
DFTPP Injection Time: 10:03

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9937 ARO 20	D71742SC.D	8/12/10 11:03
HEXANE W/IS	D71743.D	8/12/10 11:33
B08110EASE	D71747B.D	8/12/10 14:20
L08110EASE	D71748Q.D	8/12/10 14:50
LD08110EASE	D71749Q.D	8/12/10 15:20
67494-5	D71752.D	8/12/10 16:50
67494-6	D71753.D	8/12/10 17:20
S9937 ARO 20	D71761SC.D	8/12/10 20:19

Refer to the DFTPP report D71740T.D for ion ratio evaluation.

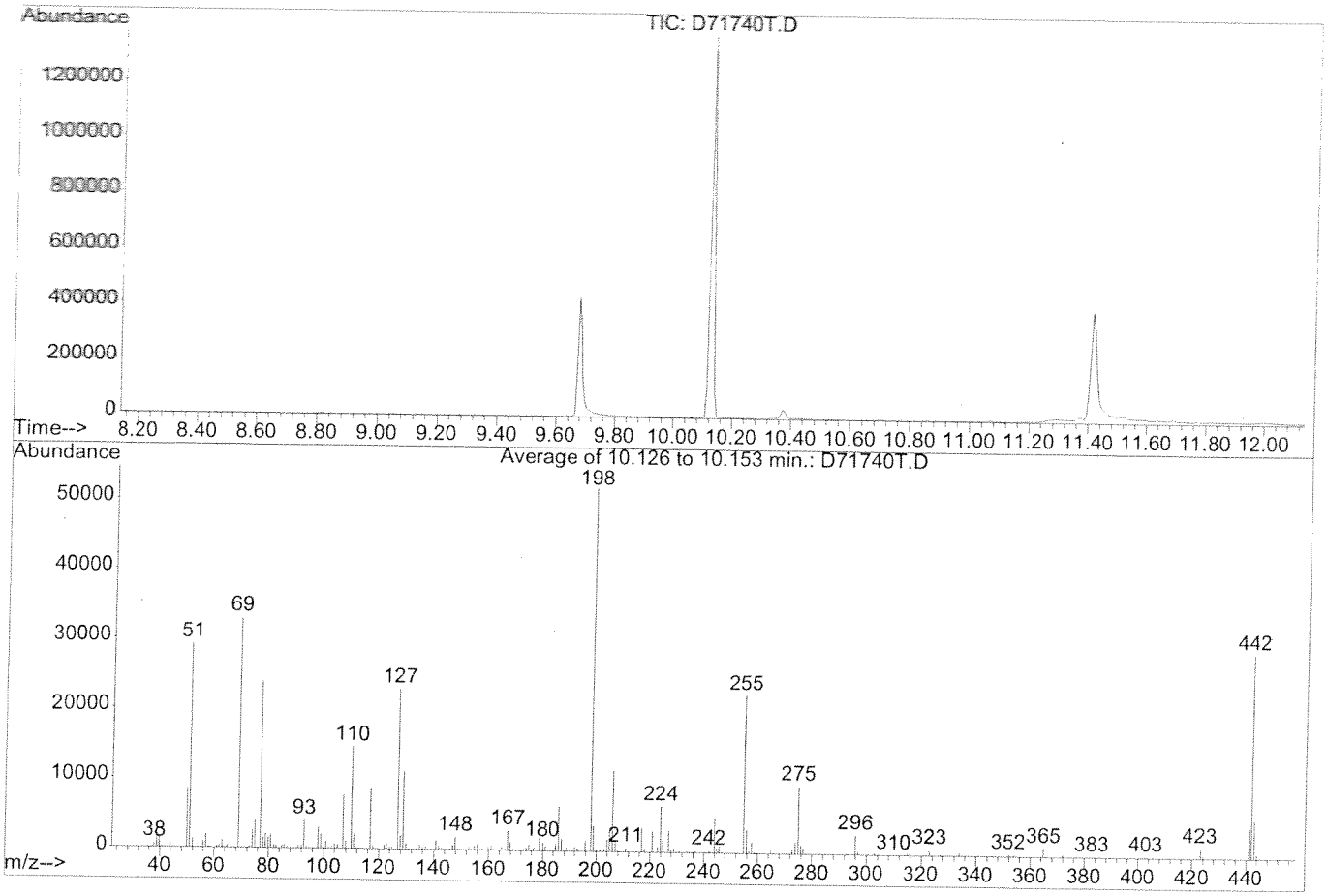
EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\081210-D\D71740T.D
Acq On : 12 Aug 2010 10:03 am
Sample : S9836 TUNEMIX 50 NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

NFC 8/12/10



Spectrum Information: Average of 10.126 to 10.153 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	56.0	29169	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	63.4	32997	PASS
70	69	0.00	2	0.3	111	PASS
127	198	40	60	44.1	22938	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	52067	PASS
199	198	5	9	7.0	3640	PASS
275	198	10	30	18.5	9656	PASS
365	198	1	100	2.4	1227	PASS
441	443	0.01	100	78.8	4384	PASS
442	198	40	100	56.2	29270	PASS
443	442	17	23	19.0	5565	PASS

5/81210

D71740T.D TUNMXEPH.M Thu Aug 12 10:55:08 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50 NG**
Data File Name **D71740T.D**
Date Acquired **8/12/2010 10:03**

NO 8/12/10

Name	Target Response
PENTACHLOROPHENOL	47152.00
BENZIDINE	239489.00
DDE	667.00
DDD	2007
DDT	224102

(0% - 20%)

%DDT BREAKDOWN = 1.18% **OK** ✓

8/12/10

Data File : D:\HPCHEM\1\DATA\081210-D\D71740T.D
Acq On : 12 Aug 2010 10:03 am
Sample : S9836 TUNEMIX 50 NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 12 10:50 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Aug 07 05:14:12 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NR 8/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.68	266	47152	18.71 UG/L	99
2) DFTPP	10.13	198	135666	44.41 ug/ml	97
3) BENZIDINE	11.41	184	239489	29.85 UG/L	99
4) DDE	11.69	246	667	6.67 UG/L #	8
5) DDD	12.27	235	2007	20.07 UG/L #	81
6) DDT	12.84	235	224102	49.60 UG/L	97

081210

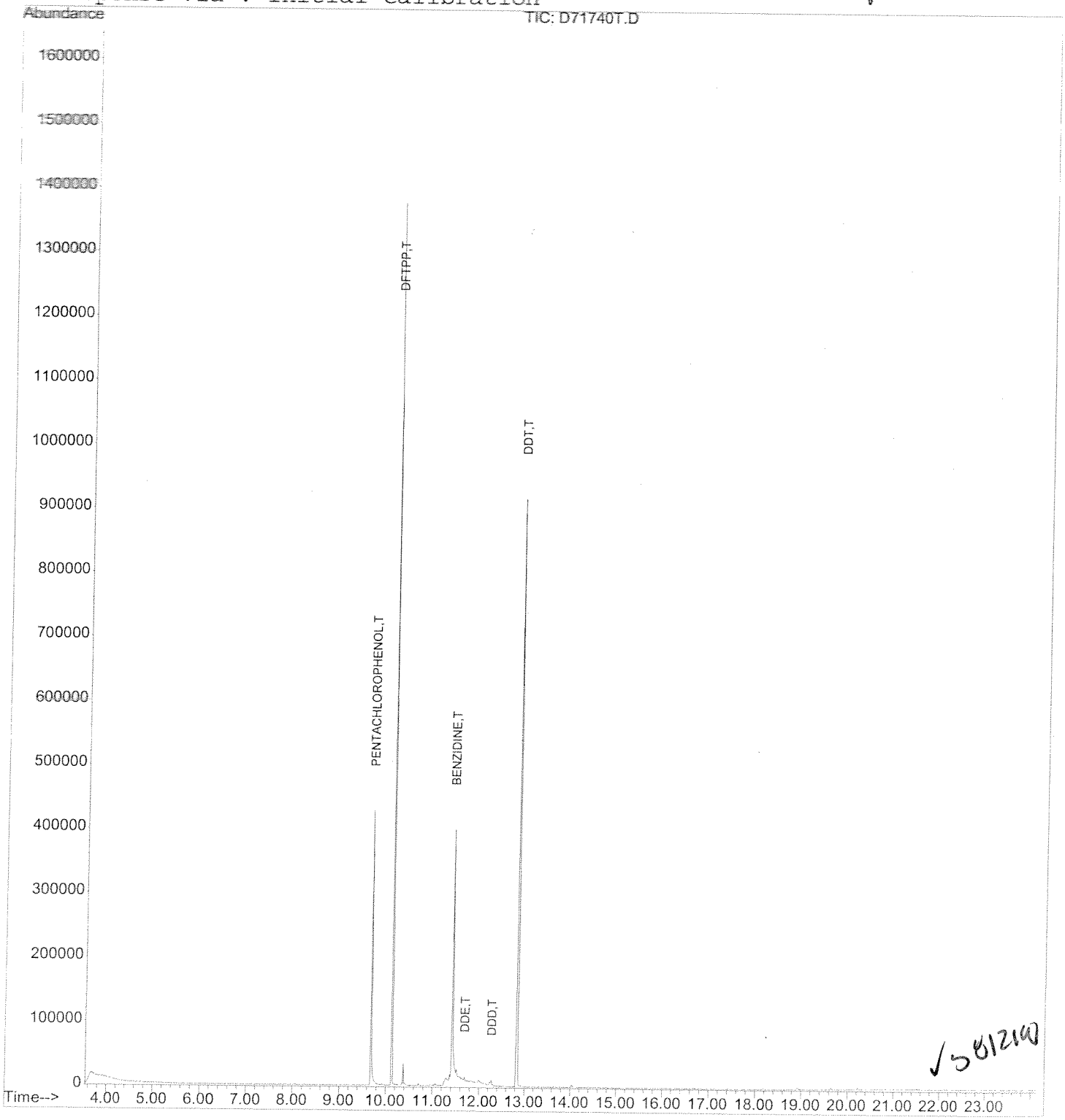
(#) = qualifier out of range (m) = manual integration
D71740T.D TUNMXEPH.M Thu Aug 12 10:50:49 2010

Data File : D:\HPCHEM\1\DATA\081210-D\D71740T.D
Acq On : 12 Aug 2010 10:03 am
Sample : S9836 TUNEMIX 50 NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 12 10:50 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RE

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Aug 07 05:14:12 2010
Response via : Initial Calibration

MS081210



✓ 081210

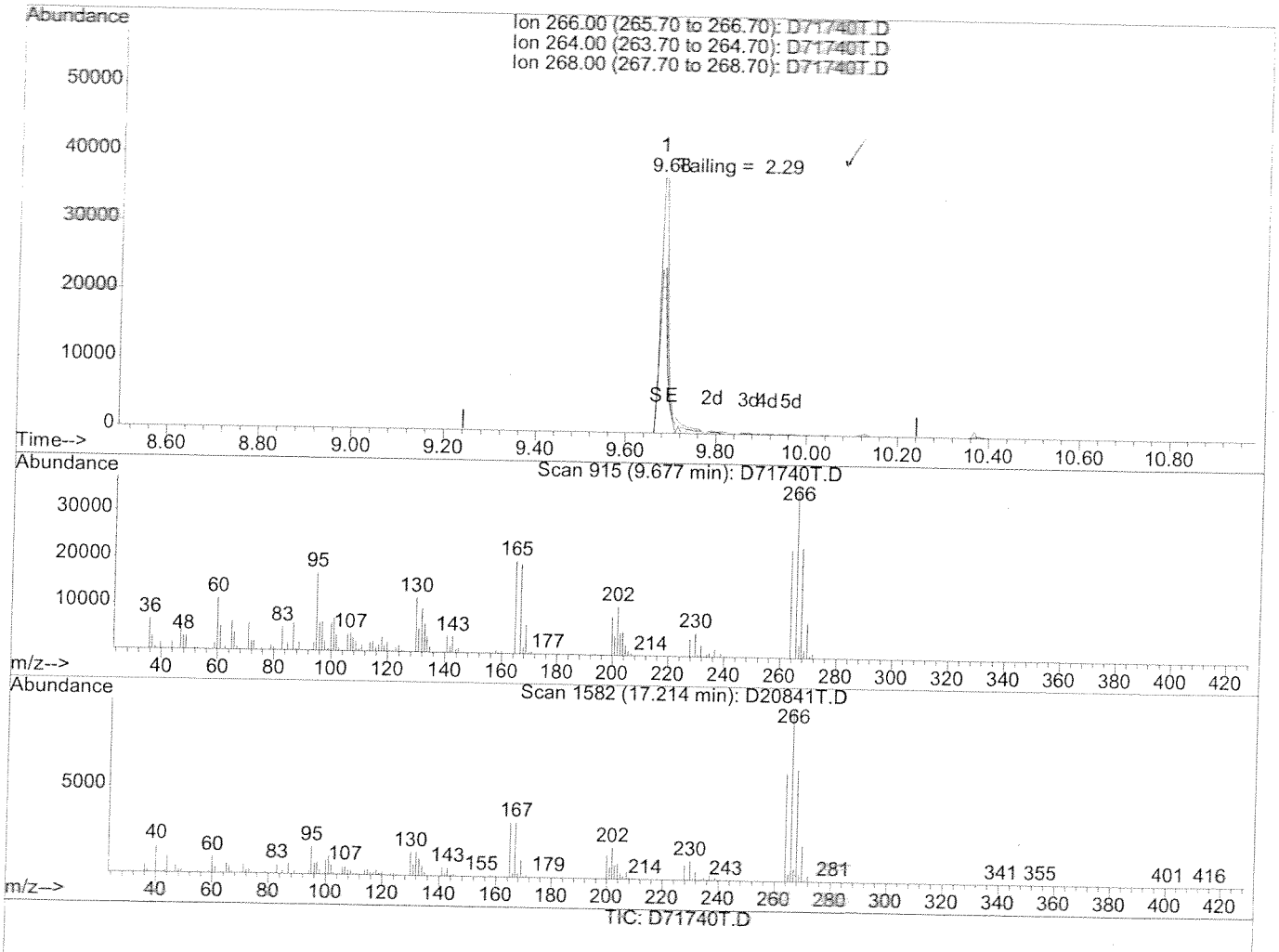
Data File : D:\HPCHEM\1\DATA\081210-D\D71740T.D
Acq On : 12 Aug 2010 10:03 am
Sample : S9836 TUNEMIX 50 NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 12 10:50 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS In
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Aug 07 05:14:12 2010
Response via : Single Level Calibration

MX081210



(1) PENTACHLOROPHENOL (T)

9.68min 18.71UG/L

response 47152

Ion	Exp%	Act%
266.00	100	100
264.00	58.40	57.06
268.00	61.30	61.16
0.00	0.00	0.00

081210

D71740T.D TUNMXEPH.M Thu Aug 12 10:52:57 2010

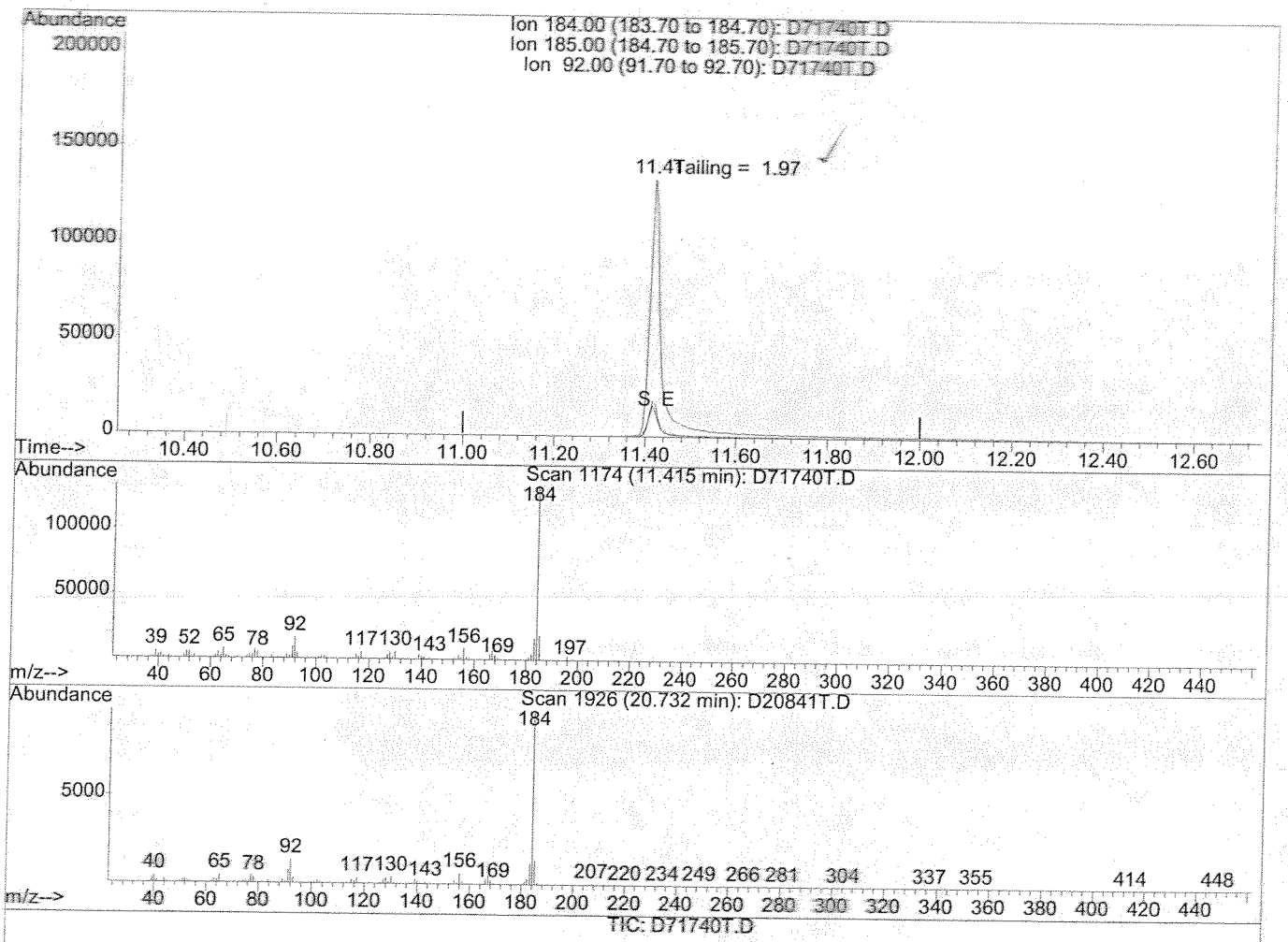
Data File : D:\HPCHEM\1\DATA\081210-D\D71740T.D
Acq On : 12 Aug 2010 10:03 am
Sample : S9836 TUNEMIX 50 NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 12 10:50 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS In:
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Aug 07 05:14:12 2010
Response via : Single Level Calibration

NM081210



(3) BENZIDINE (T)

11.41min 29.85UG/L

response 239489

Ion	Exp%	Act%
184.00	100	100
185.00	13.80	14.05
92.00	12.50	11.96
0.00	0.00	0.00

081210

D71740T.D TUNMXEPH.M Thu Aug 12 10:53:04 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
DFTPP File ID: J35315T.D
DFTPP Injection Date: 08/14/10
DFTPP Injection Time: 1:45

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9706 ARO 2	J35319SI.D	8/14/10 3:16
S9707 ARO 5	J35320SI.D	8/14/10 3:39
S9708 ARO 10	J35321SI.D	8/14/10 4:02
S9937 ARO 20	J35322SI.D	8/14/10 4:25
S9710 ARO 50	J35323SI.D	8/14/10 4:48
S9711 ARO 100	J35324SI.D	8/14/10 5:10
S9716 ARO 20 ICV	J35325.D	8/14/10 5:33

Refer to the DFTPP report J35315T.D for ion ratio evaluation.

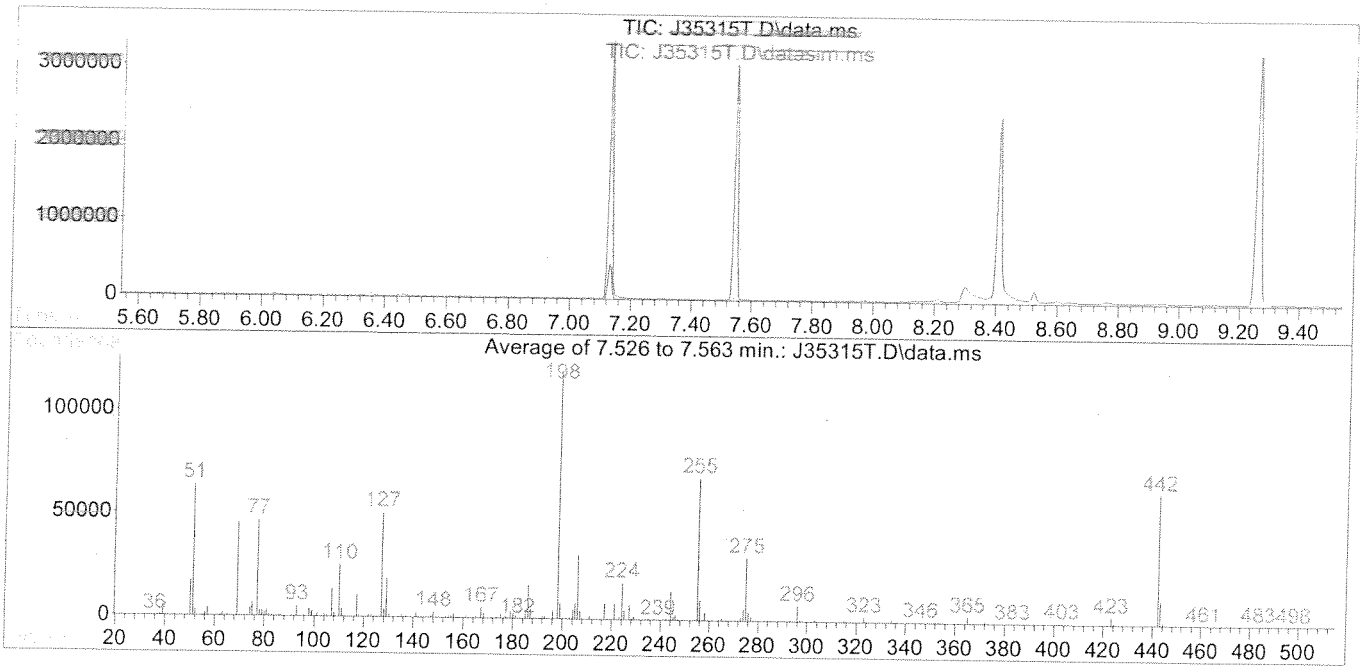
EPH FORM 5

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35315T.D
Acq On : 14 Aug 2010 1:45 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Fri Aug 13 05:24:32 2010

8/14/10



Spectrum Information: Average of 7.526 to 7.563 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	53.2	63791	PASS
68	69	0.00	2	0.1	27	PASS
69	198	0.00	100	37.8	45336	PASS
70	69	0.00	2	0.6	251	PASS
127	198	40	60	42.5	50967	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	119990	PASS
199	198	5	9	6.8	8130	PASS
275	198	10	30	25.6	30694	PASS
365	198	1	100	2.8	3330	PASS
441	443	0.01	100	3.1	358	PASS
442	198	40	100	53.0	63592	PASS
443	442	17	23	18.2	11552	PASS

081520

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50 NG**
Data File Name **J35315T.D**
Date Acquired **8/14/2010 1:45**

8/14/10

Name	Target Response
Pentachlorophenol	353660.00
Benzidine	1084210.00
DDE	869.00
DDD	3975
DDT	773630

(0% - 20%)

%DDT BREAKDOWN = 0.62% **OK**

301520

8/14/2010 6:07 AM

C:\msdchem\custrpt\ABN CUSTRPT\TUNEMIX.CRT

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35315T.D
Acq On : 14 Aug 2010 1:45 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:06:42 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

MR 8/14/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) Pentachlorophenol	7.132	266	353660	24.19	ug/ml	99
2) DFTPP	7.544	198	302148	25.01	ug/ml	99
3) Benzidine	8.411	184	1084210	17.52	ug/ml#	100
4) DDE	8.584	246	869	0.59	ug/ml#	100
5) DDD	8.926	235	3975	0.25	ug/ml	86
6) DDT	9.263	235	773630	25.21	ug/ml#	100

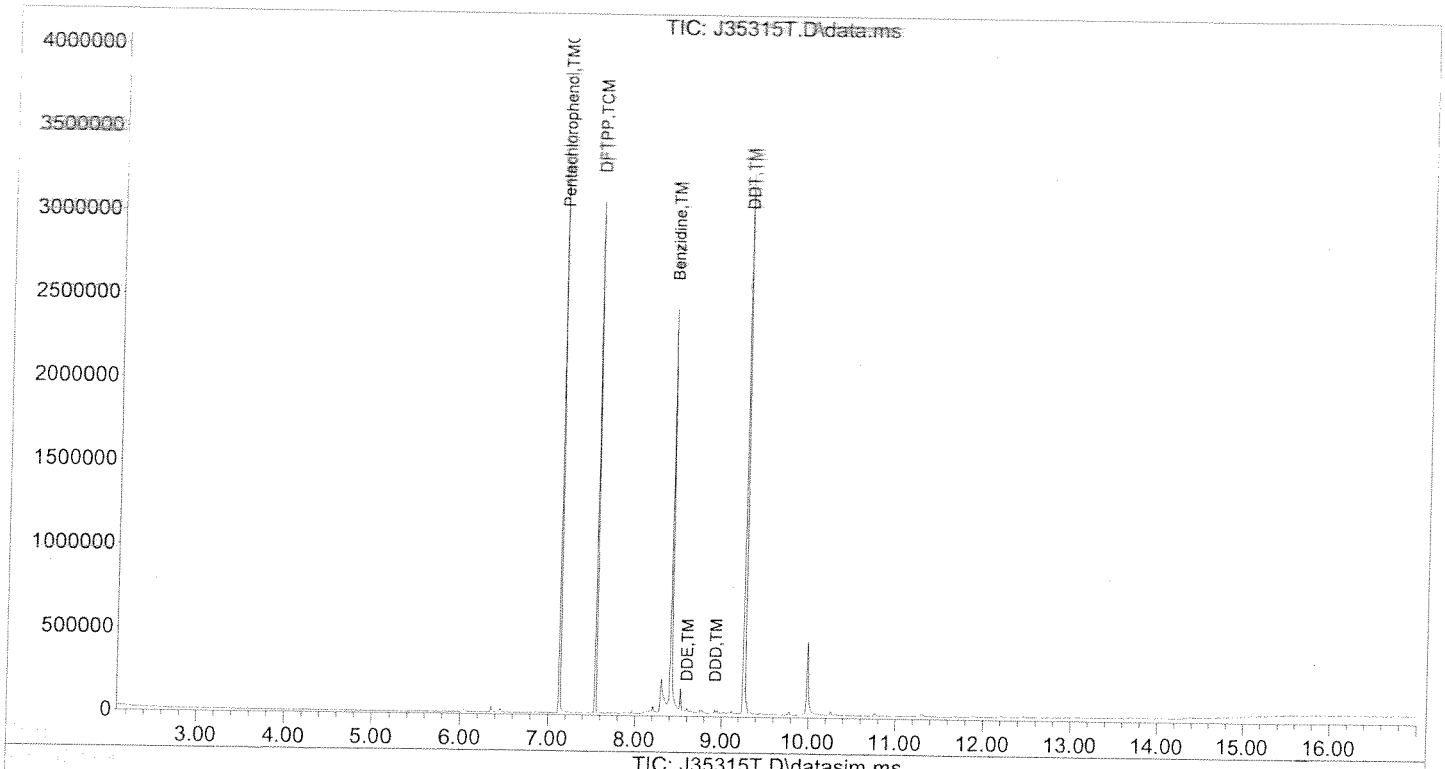
(#) = qualifier out of range (m) = manual integration (+) = signals summed

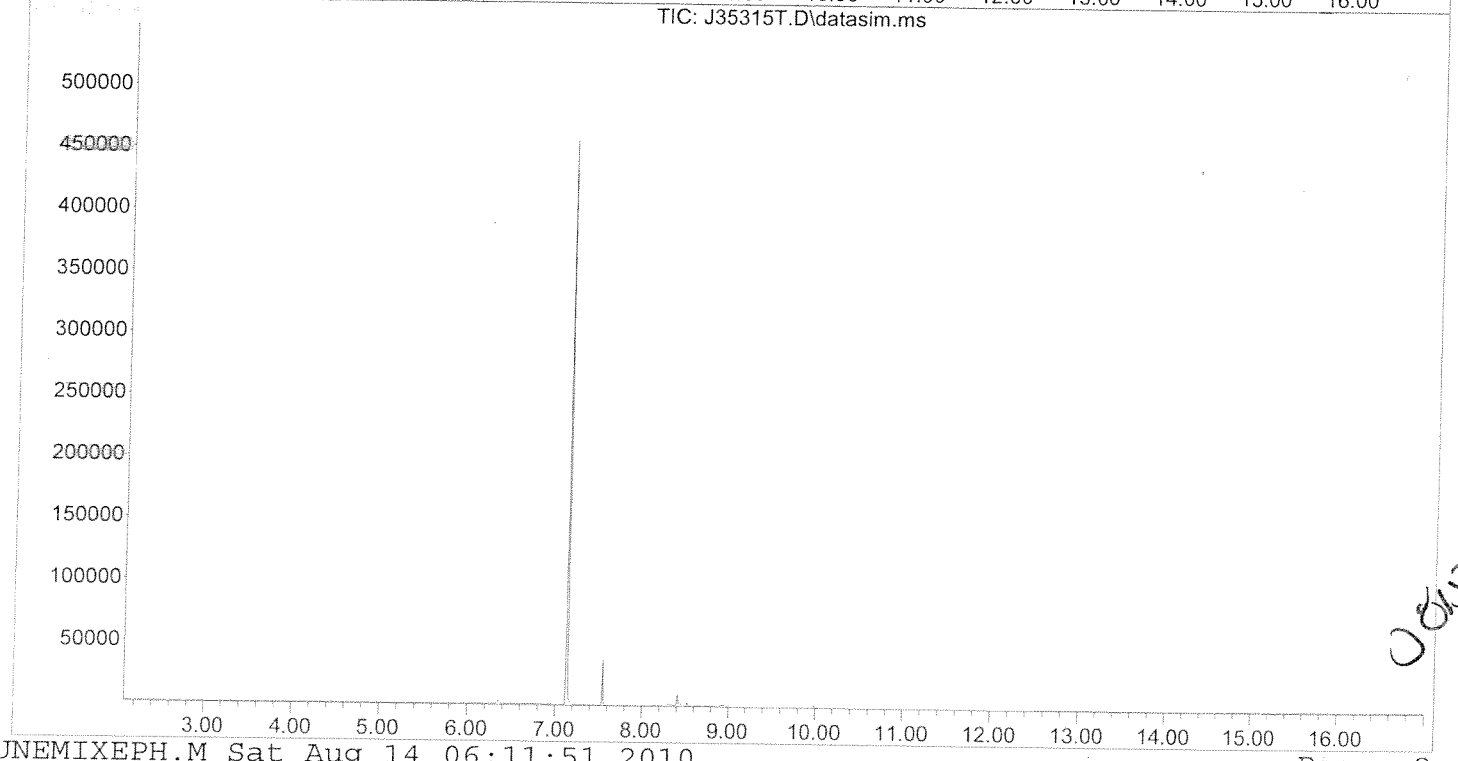
J81570

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35315T.D
Acq On : 14 Aug 2010 1:45 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:06:42 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

8/14/10



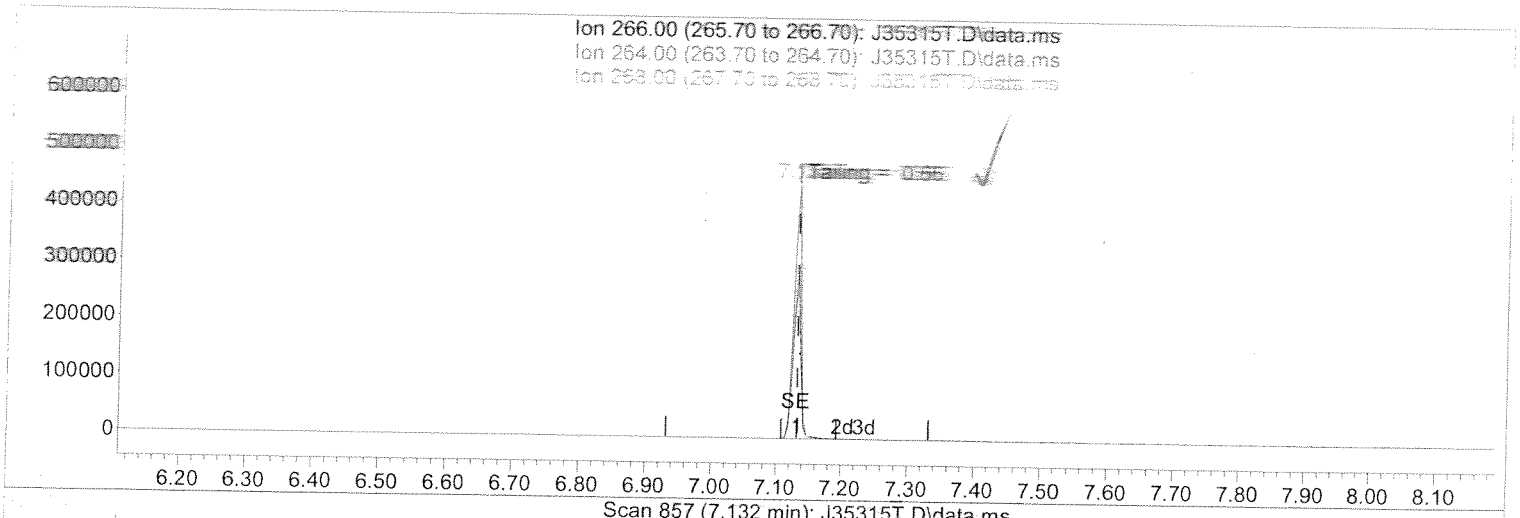


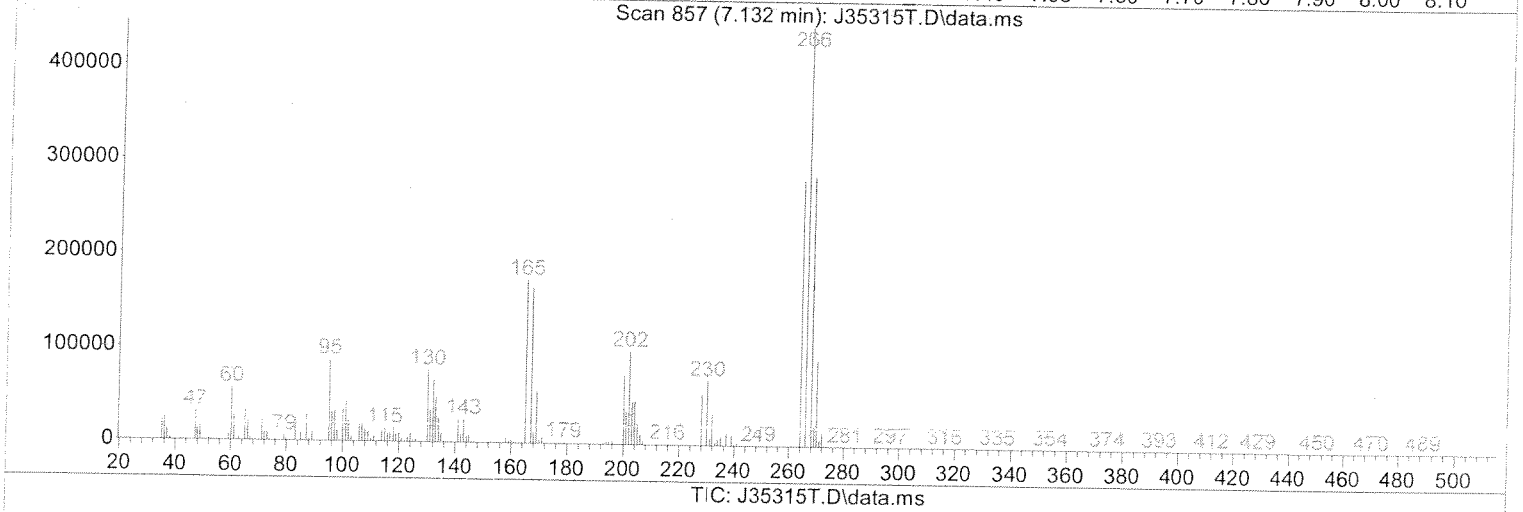
06570

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35315T.D
Acq On : 14 Aug 2010 1:45 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:06:42 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

8/14/10





(1) Pentachlorophenol (TMC)

7.132min (+0.000) 24.19ug/ml

response 353660

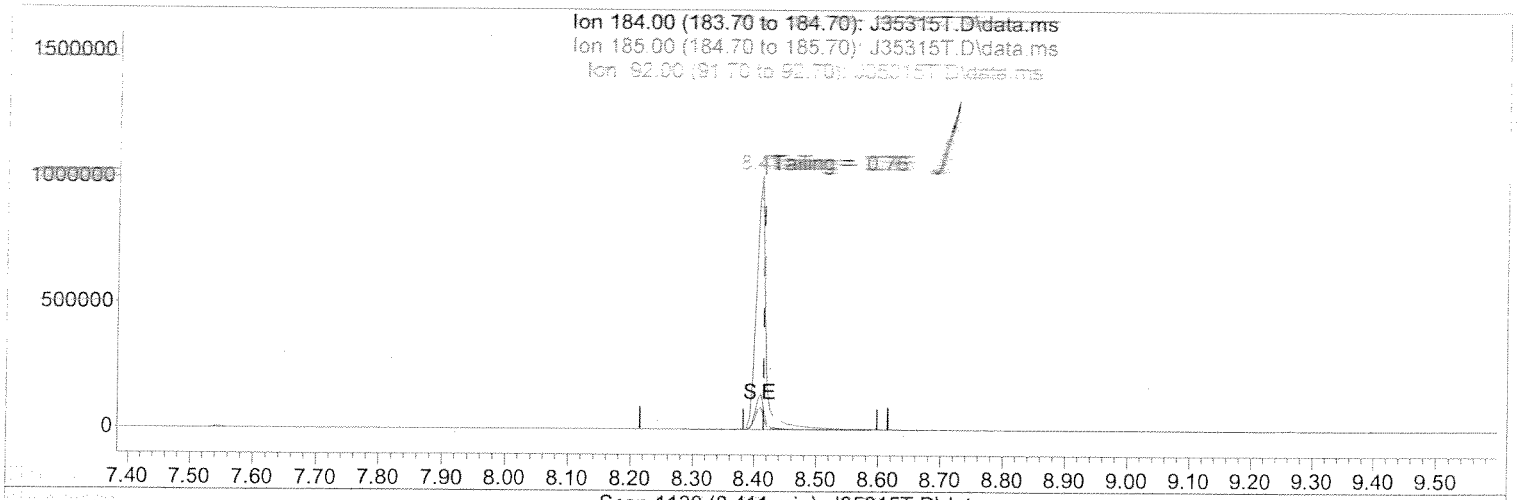
Ion	Exp%	Act%
266.00	100	100
264.00	63.50	63.73
268.00	64.40	63.70
0.00	0.00	0.00

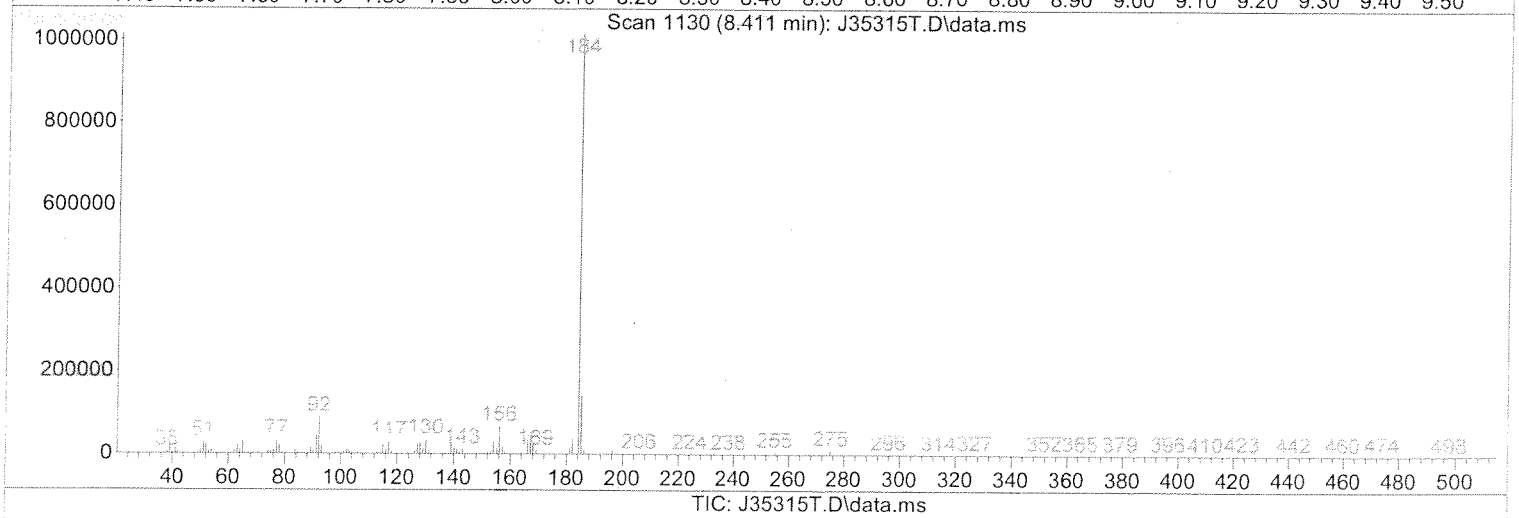
JW570

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35315T.D
Acq On : 14 Aug 2010 1:45 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:06:42 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

PK 8/14/10





(3) Benzidine (TM)

8.411min (-0.005) 17.52ug/ml

response 1084210

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	14.43#
92.00	0.00	8.67#
0.00	0.00	0.00

35570

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
DFTPP File ID: J35327T.D
DFTPP Injection Date: 08/14/10
DFTPP Injection Time: 6:19

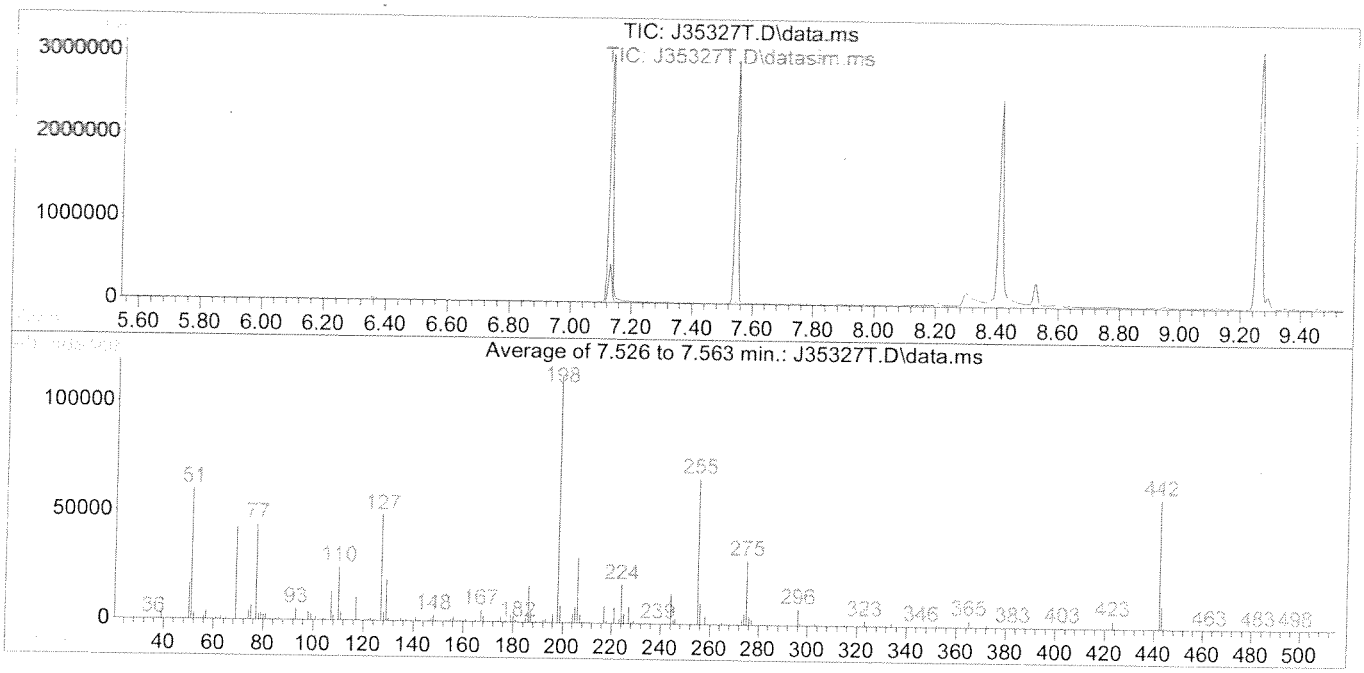
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9937 ARO 20	J35328SC.D	8/14/10 6:42
B081110EASE,RR	J35338B.D	8/14/10 10:33
L081110EASE,RR	J35339Q.D	8/14/10 10:56
LD081110EASE,RR	J35340Q.D	8/14/10 11:19

Refer to the DFTPP report J35327T.D for ion ratio evaluation.

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35327T.D
Acq On : 14 Aug 2010 6:19 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Fri Aug 13 05:24:32 2010



Spectrum Information: Average of 7.526 to 7.563 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.9	59939	PASS
68	69	0.00	2	0.1	24	PASS
69	198	0.00	100	37.4	42388	PASS
70	69	0.00	2	0.5	205	PASS
127	198	40	60	42.9	48620	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	113349	PASS
199	198	5	9	6.8	7735	PASS
275	198	10	30	26.0	29432	PASS
365	198	1	100	2.9	3331	PASS
441	443	0.01	100	0.8	87	PASS
442	198	40	100	52.5	59465	PASS
443	442	17	23	17.7	10523	PASS

8/14/10

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50 NG**
Data File Name **J35327T.D**
Date Acquired **8/14/2010 6:19**

Name	Target Response
Pentachlorophenol	323332.00
Benzidine	1034968.00
DDE	1079.00
DDD	4336
DDT	741666

(0% - 20%)

%DDT BREAKDOWN = 0.72% **OK** ✓

081410

8/14/2010 6:52 AM

C:\msdchem\custrpt\ABN CUSTRPT\TUNEMIX.CRT

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35327T.D
Acq On : 14 Aug 2010 6:19 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

8/14/10

Quant Time: Aug 14 06:52:35 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

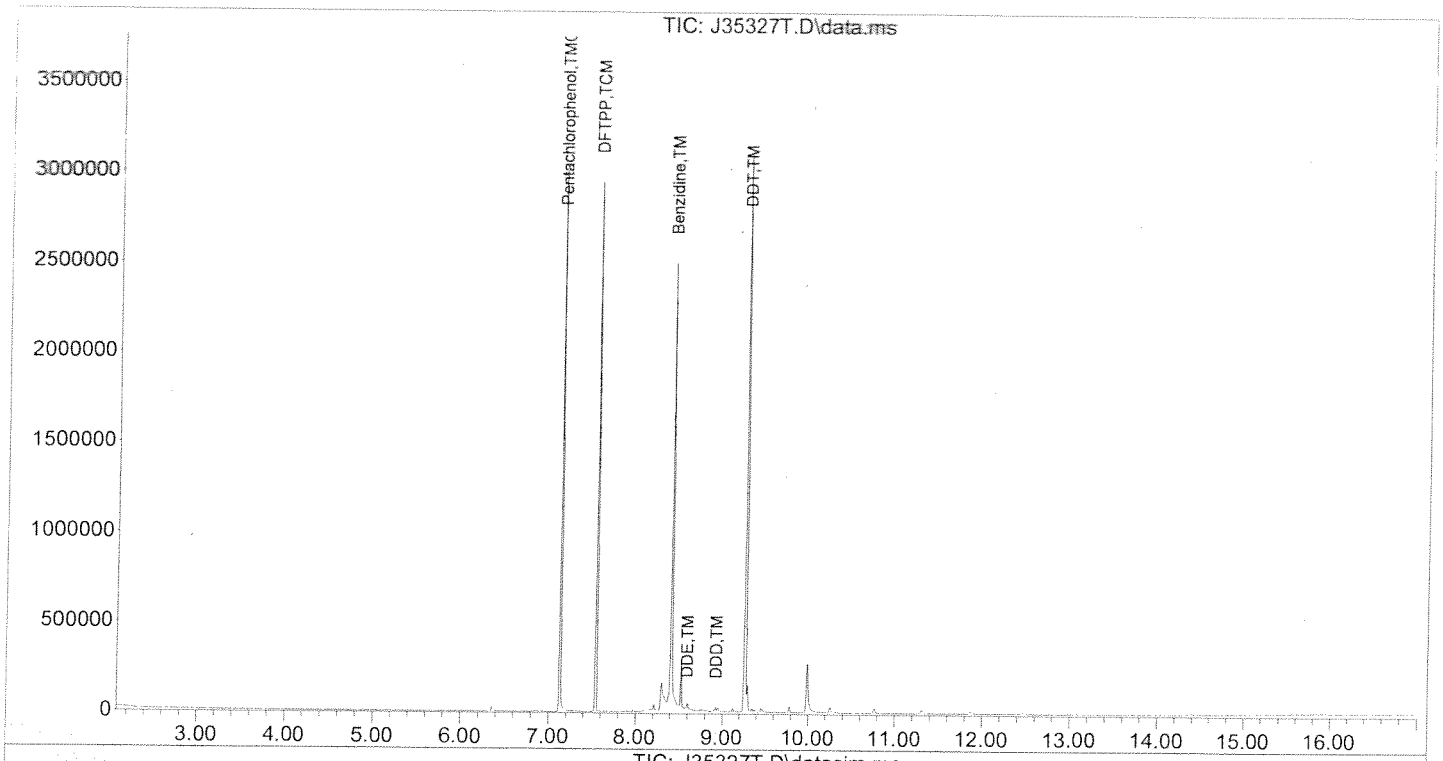
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	7.132	266	323332	22.11 ug/ml	99
2) DFTPP	7.544	198	286809	23.74 ug/ml	100
3) Benzidine	8.411	184	1034968	16.72 ug/ml#	100
4) DDE	8.584	246	1079	0.73 ug/ml#	100
5) DDD	8.926	235	4336	0.27 ug/ml#	43
6) DDT	9.263	235	741666	24.17 ug/ml#	100

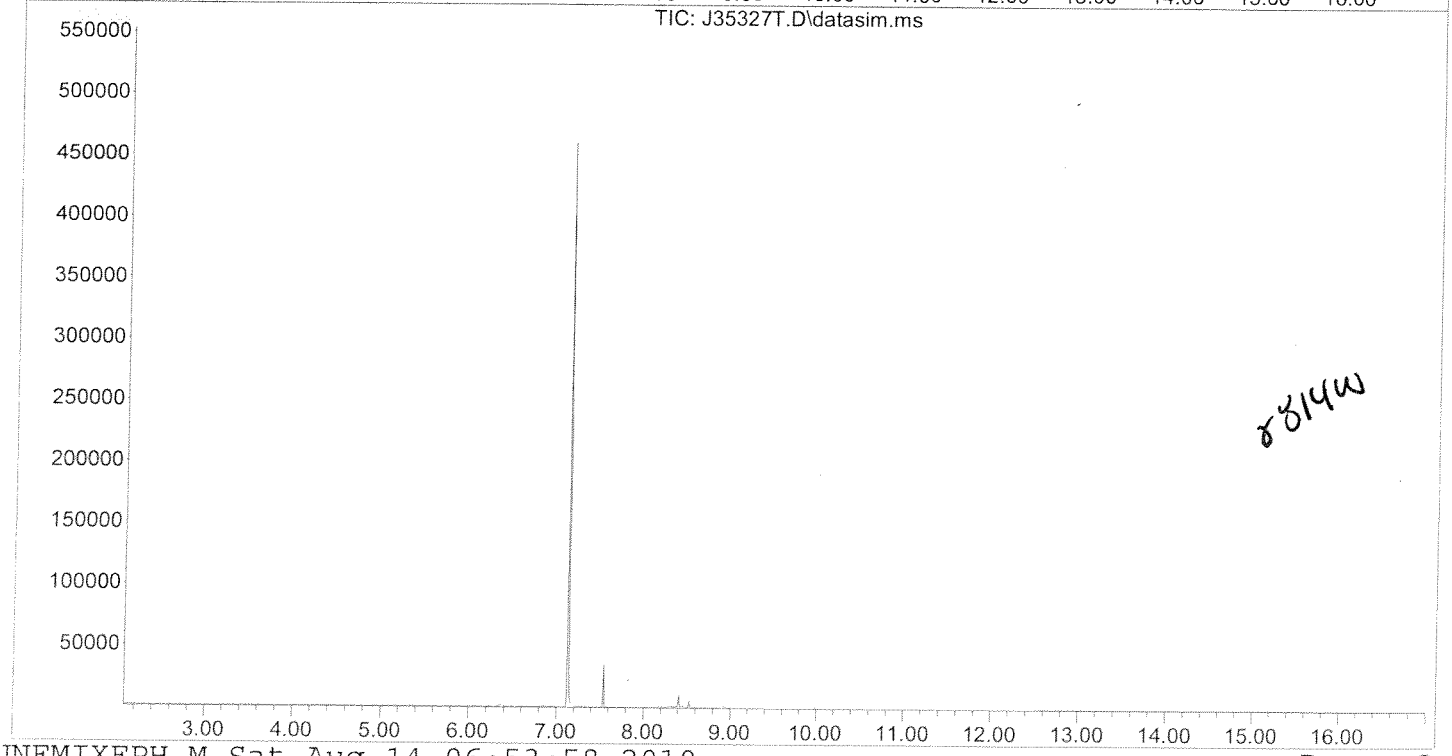
(#) = qualifier out of range (m) = manual integration (+) = signals summed

581400

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35327T.D
Acq On : 14 Aug 2010 6:19 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:52:35 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration



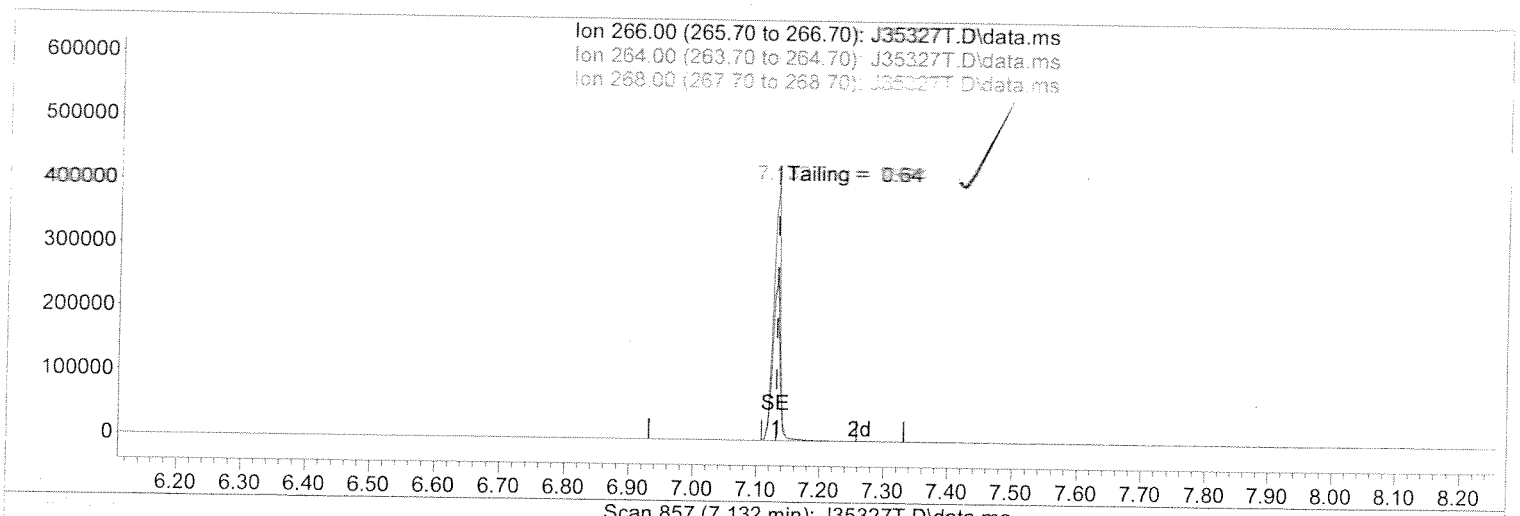


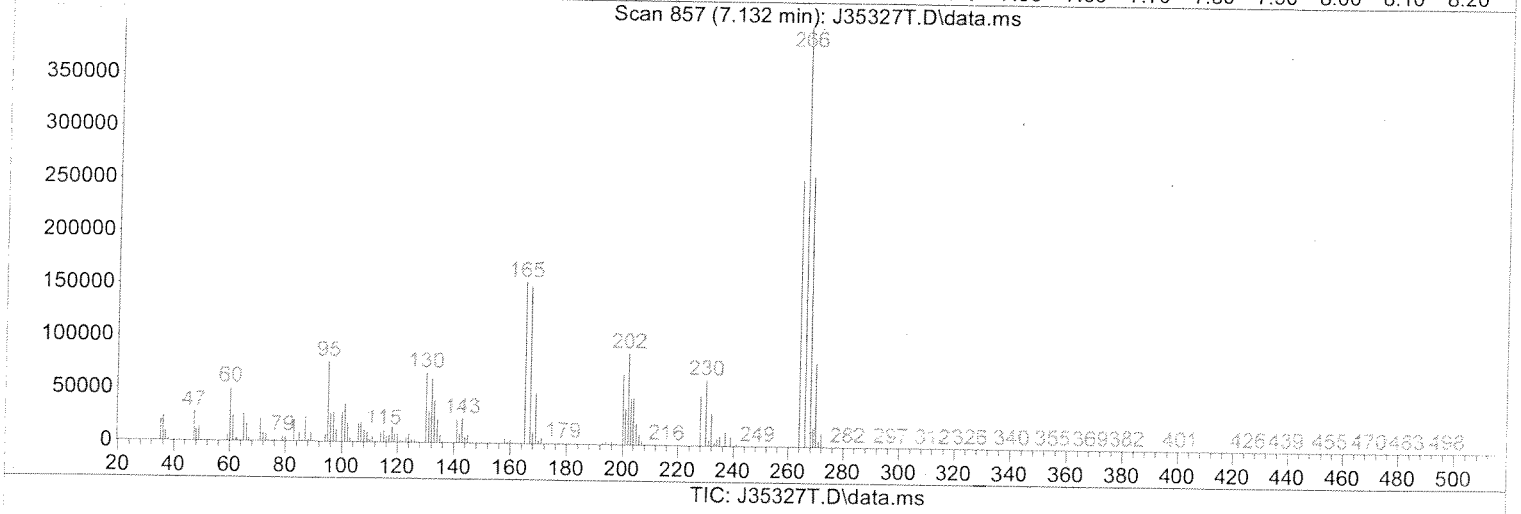
TUNEMIXEPH.M Sat Aug 14 06:53:58 2010 Page: 2

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35327T.D
Acq On : 14 Aug 2010 6:19 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:52:35 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

8/14/10





(1) Pentachlorophenol (TMC)

7.132min (+0.000) 22.11ug/ml

response 323332

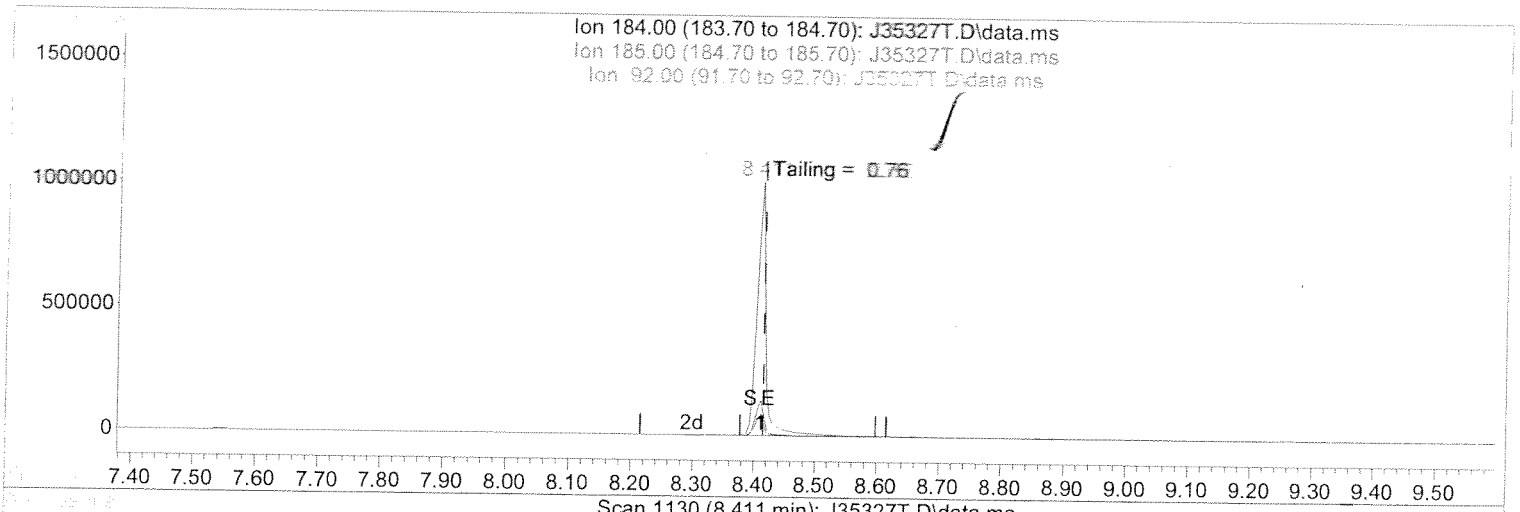
Ion	Exp%	Act%
266.00	100	100
264.00	63.50	63.34
268.00	64.40	63.27
0.00	0.00	0.00

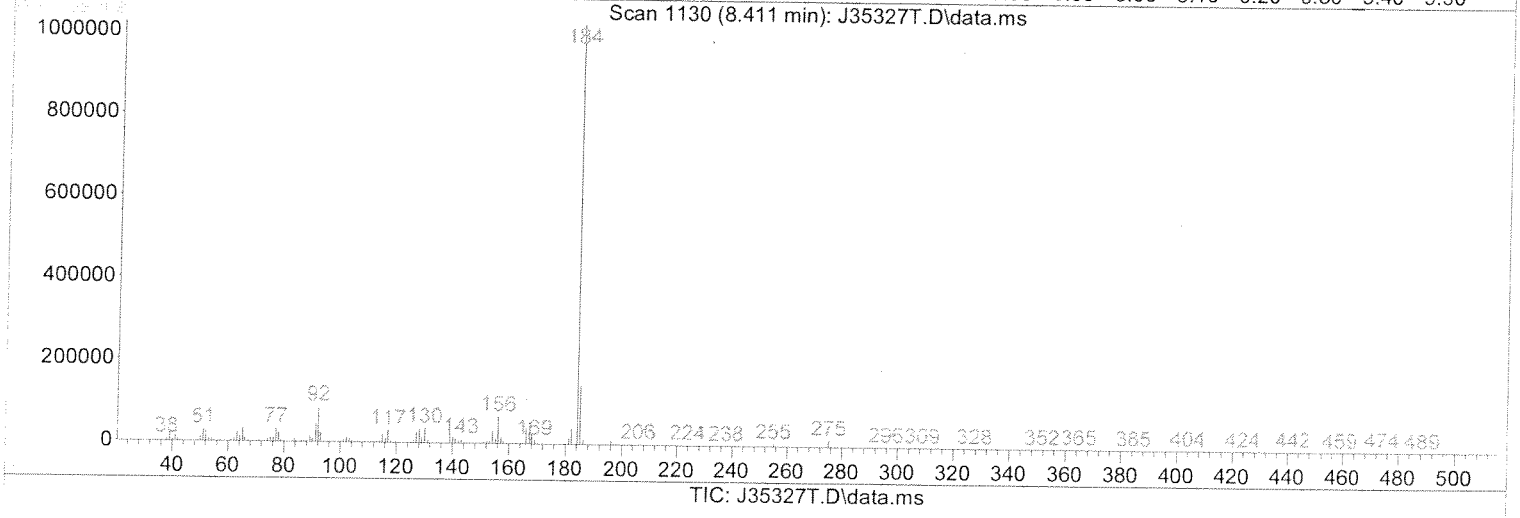
38140

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35327T.D
Acq On : 14 Aug 2010 6:19 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:52:35 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

8/14/10





(3) Benzidine (TM)

8.411min (-0.005) 16.72ug/ml

response 1034968

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	14.08#
92.00	0.00	8.46#
0.00	0.00	0.00

J81410

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010

MRO50560

Calibration Files

5	=D71447SI.D	10	=D71448SI.D	20	=D71449SI.D
40	=D71450SI.D	50	=D71451SI.D	100	=D71452SI.D

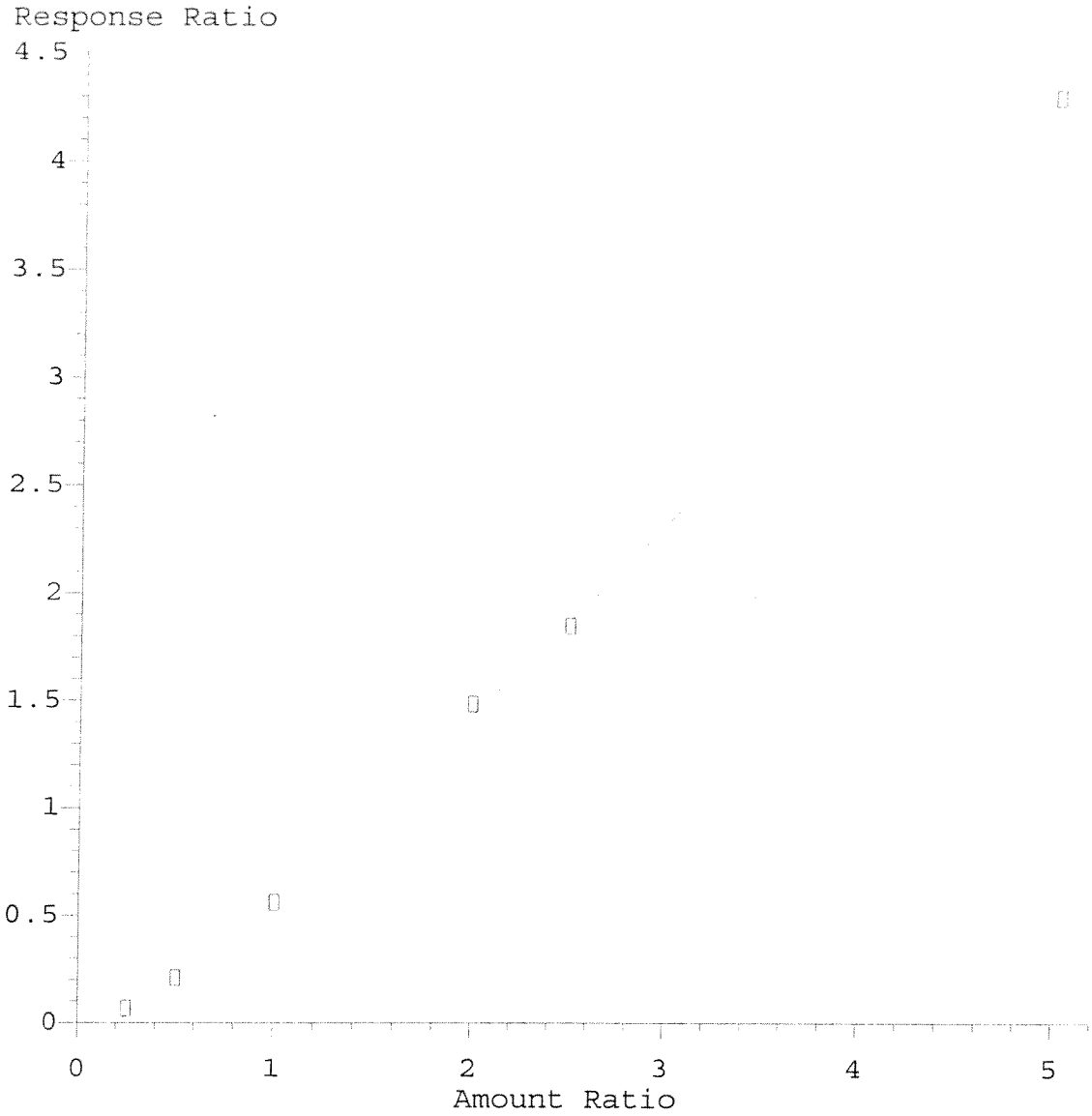
Compound	5	10	20	40	50	100	Avg		%RS
1) I 5-alpha-Androstane	----------ISTD----------								
2) TZM C-9	1.183	1.207	1.210	1.297	1.278	1.277	1.242	0	3.8
3) TZM C-10	1.208	1.243	1.232	1.328	1.325	1.283	1.270	0	3.9
4) TZM C-12	1.226	1.320	1.372	1.449	1.422	1.394	1.364	0	5.9
5) TZM C-14	1.287	1.336	1.376	1.498	1.486	1.410	1.399	0	5.9
6) TZM C-16	1.221	1.308	1.370	1.410	1.411	1.381	1.350	0	5.4
7) TZM C-18	1.202	1.290	1.351	1.451	1.435	1.329	1.343	0	6.8
8) XH C9-C18 ✓	1.221	1.284	1.319	1.405	1.393	1.346	1.328	0	5.2
9) TZM C-19	1.201	1.280	1.351	1.418	1.425	1.296	1.329	0	6.5
10) TZM C-20	1.160	1.240	1.286	1.445	1.394	1.287	1.302	0	7.9
11) S 1-Chlorooctadecane	1.087	1.167	1.211	1.310	1.301	1.288	1.227	0	7.2
12) TZM C-22	1.146	1.251	1.294	1.401	1.365	1.282	1.290	0	6.95
13) TZM C-24	0.999	1.219	1.235	1.377	1.347	1.251	1.238	0	10.7
14) TZM C-26	0.897	1.133	1.184	1.311	1.208	1.147	1.147	0	12.01
15) TZM C-28	0.701	0.966	1.045	1.149	1.115	1.062	1.006	0	16.14
16) TZM C-30	0.584	0.821	0.931	1.078	1.043	0.979	0.906	0	20.07
17) TZM C-36	0.268	0.418	0.560	0.742	0.740	0.860	0.598	0	37.59
18) XH C19-C36 ✓	0.869	1.041	1.111	1.240	1.205	1.145	1.102	0	12.13

✓ PK 8/5/10

(#) = Out of Range

N10 8 0 5 7 0

C-36



R = 3.32e-002 A*A + 7.24e-001 A - 1.48e-001
Curve Fit: Quadratic

Method Name: D:\HPCHEM\1\METHODS\ALG80410.M
Calibration Table Last Updated: Thu Aug 05 08:16:42 2010

JDM 8/5/10

GC ALIPHATIC
2ND SOURCE CHECK

Data File Name D71453.D
Sample Name S9715 ALI 20 ICV
Date Acquired 8/5/2010 5:21

N080410

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
C-9	20.65	20	103%	OK	20.65		
C-10	21.26	20	106%	OK	21.26		
C-12	22.50	20	113%	OK	22.50		
C-14	21.19	20	106%	OK	21.19		
C-16	21.45	20	107%	OK	21.45		
C-18	20.57	20	103%	OK	20.57		
C9-C18		120			**127.62**	106%	OK
C-19	20.54	20	103%	OK	20.54		
C-20	21.18	20	106%	OK	21.18		
C-22	21.05	20	105%	OK	21.05		
C-24	20.76	20	104%	OK	20.76		
C-26	20.40	20	102%	OK	20.40		
C-28	21.22	20	106%	OK	21.22		
C-30	20.68	20	103%	OK	20.68		
C-36	18.98	20	95%	OK	18.98		
C19-C36		160			**164.81**	103%	OK
1-Chlorooctadecane	19.20	20	96%	OK			

8/5/10

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Initial Calibration

PM 8/6/10

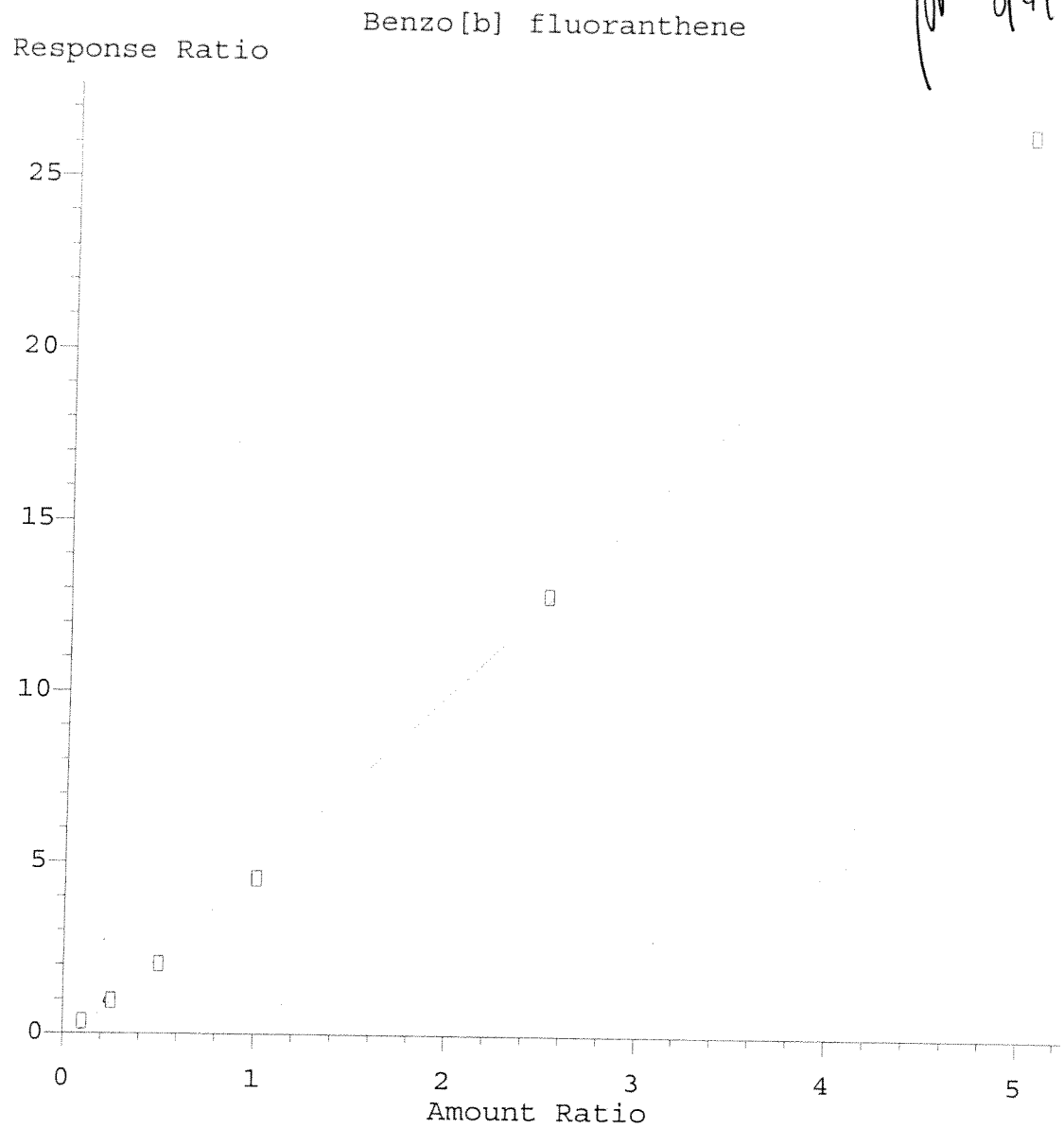
Calibration Files
2 =D71454SI.D 5 =D71455SI.D 10 =D71456SI.D
20 =D71457SI.D 50 =D71458SI.D 100 =D71459SI.D

		Compound	2	5	10	20	50	100	Avg	%RSD
1)	I	5-alpha-Androstane	----------ISTD----------							
2)	TM	Naphthalene	7.529	8.067	8.021	8.065	8.411	8.319	8.069	3.81
3)	TM	2-Methylnaphthalene	4.272	4.227	4.490	4.367	4.567	4.461	4.397	3.00
4)	TM	Acenaphthylene	7.175	7.196	7.568	7.725	7.847	8.054	7.594	4.67
5)	TM	Acenaphthene	3.988	4.266	4.200	4.253	4.341	4.381	4.238	3.27
6)	TM	Fluorene	4.766	4.754	4.726	5.019	5.094	5.183	4.924	4.04
7)	TM	Phenanthrene	5.790	6.350	6.654	6.612	7.164	7.247	6.636	8.12
8)	TM	Anthracene	6.252	6.723	6.969	6.962	7.342	7.181	6.905	5.55
9)	S	2-Fluorobiphenyl	4.962	5.070	5.126	5.346	5.555	5.684	5.290	5.43
10)	S	2-Bromonaphthalene	1.949	2.082	2.148	2.219	2.314	2.438	2.192	7.88
11)	S	o-terphenyl	2.922	2.941	3.027	3.071	3.178	3.450	3.098	6.32
12)	TM	Fluoranthene	6.548	6.616	6.619	6.843	7.312	7.503	6.907	5.86
13)	TM	Pyrene	6.654	6.794	6.950	7.180	7.455	7.533	7.094	5.02
14)	TM	Benzo[a]anthracene	4.500	4.828	5.075	5.629	6.236	6.423	5.449	14.28
15)	TM	Chrysene	5.455	5.333	5.504	5.870	6.131	6.226	5.753	6.53
16)	TM	Benzo[b] fluoranthe	3.542	3.820	4.066	4.549	5.141	5.276	4.399	16.15Q
17)	TM	Benzo[k] fluoranthe	4.512	4.443	4.728	5.002	5.179	5.489	4.892	8.30
18)	TM	Benzo[a] pyrene	3.547	3.725	4.157	4.501	4.785	5.149	4.311	14.35Q
19)	TM	Indeno [1,2,3-cd] p	2.140	2.497	3.013	3.516	3.793	3.712	3.112	21.89Q
20)	TM	Dibenz [a,h] anthra	2.720	3.042	3.475	3.725	3.843	3.976	3.463	14.18Q
21)	TM	Benzo(g,h,i) peryl	3.427	3.604	3.780	4.136	3.851	3.459	3.709	7.24Q
22)		c11-c22							0.000#	-1.00

08910

(#) = Out of Range

PM 8/6/10

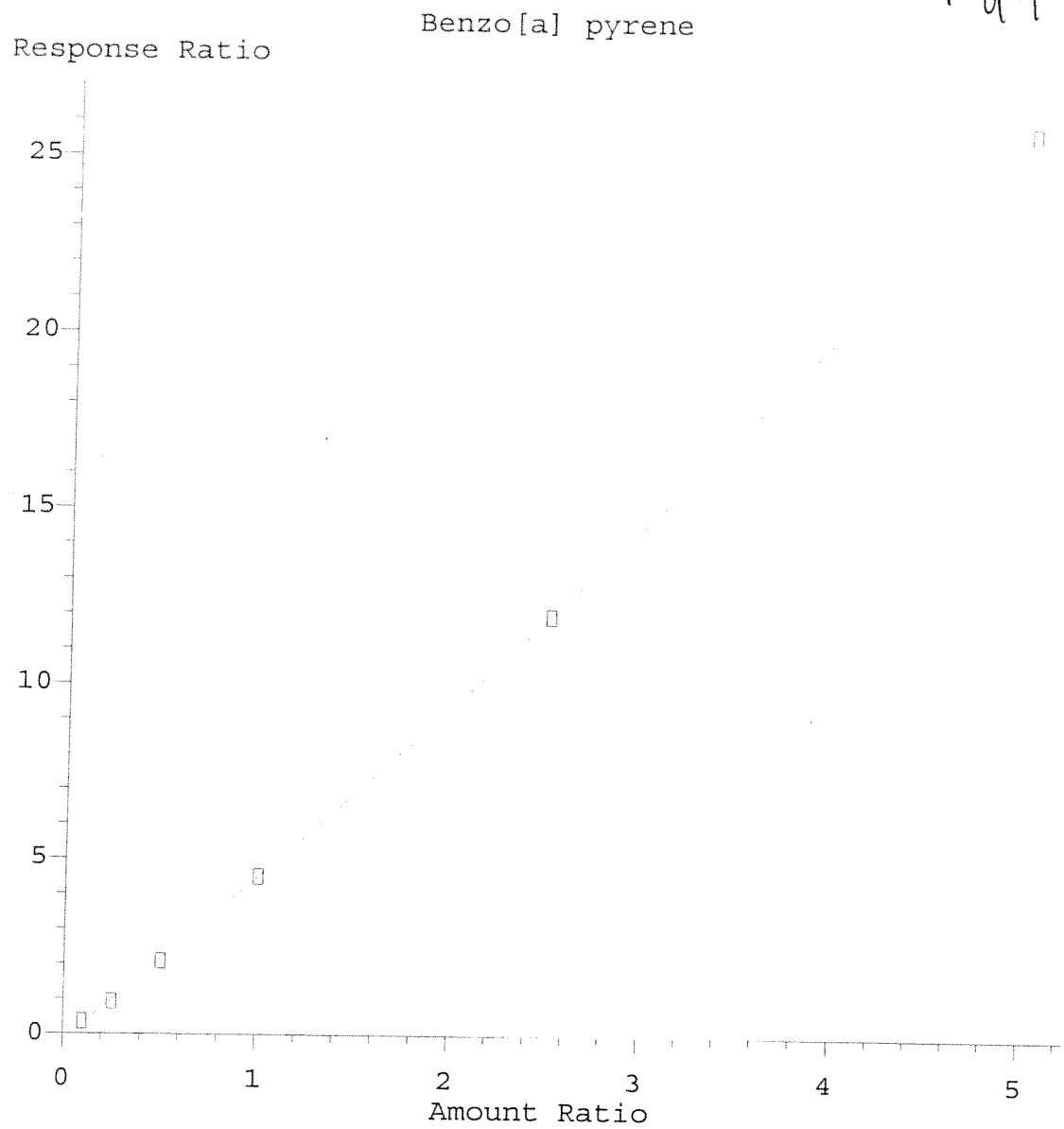


R = 5.69e-002 A*A + 5.07e+000 A - 3.55e-001
Curve Fit: Quadratic

38910

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10

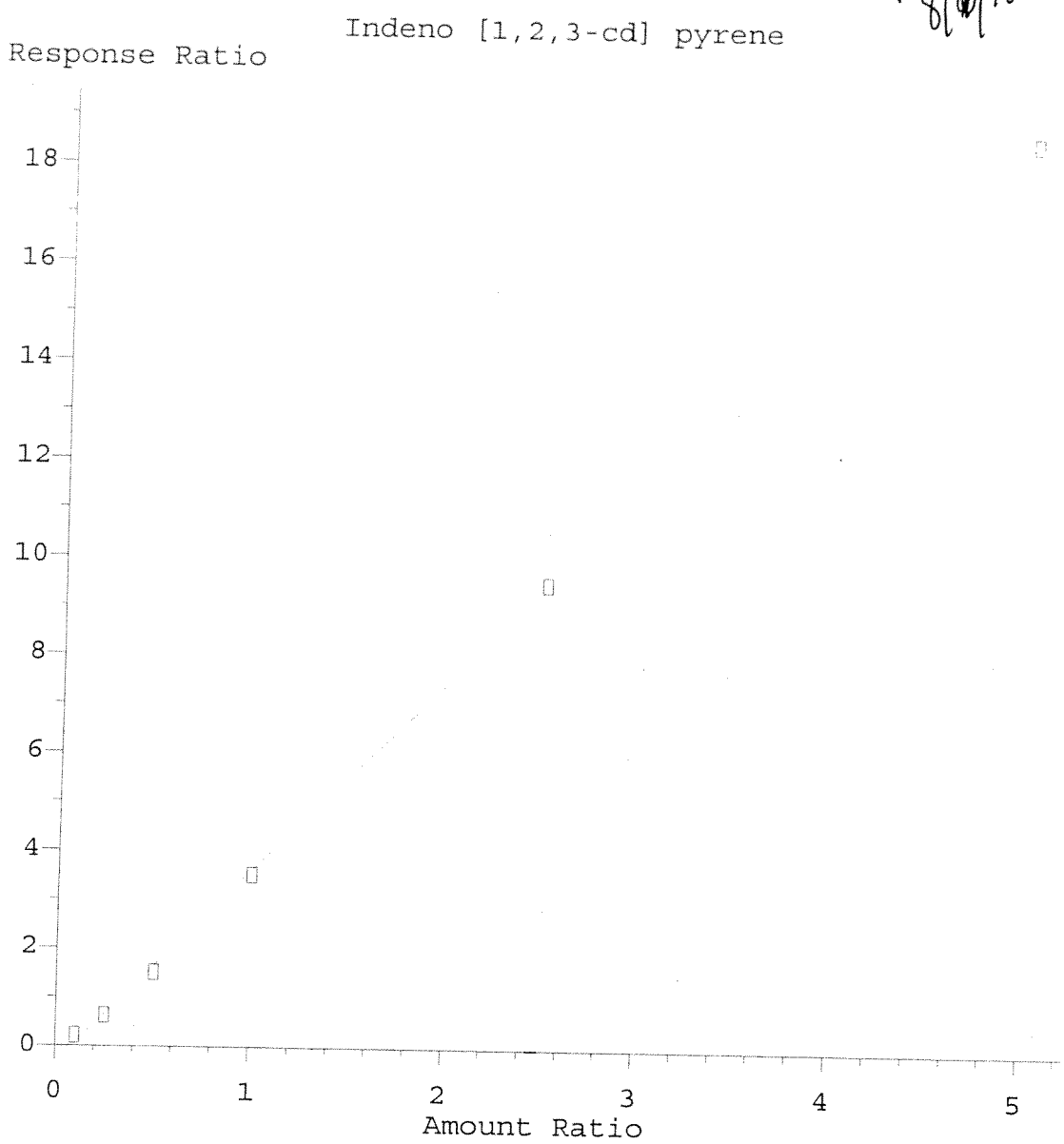


R = 1.34e-001 A*A + 4.51e+000 A - 1.63e-001
Curve Fit: Quadratic

38910

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10

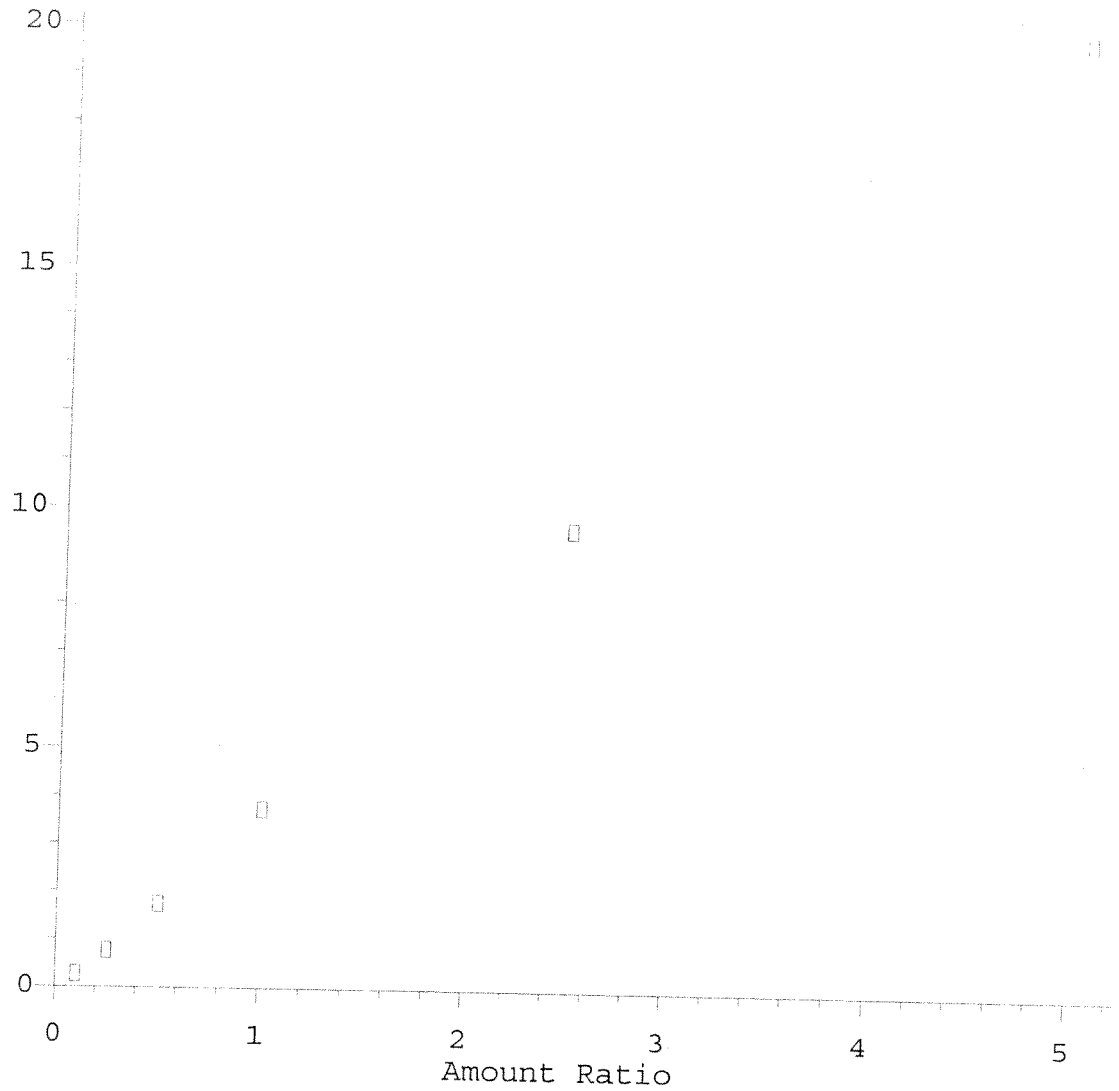


R = -4.35e-002 A*A + 4.00e+000 A - 3.53e-001
Curve Fit: Quadratic

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10

Dibenz [a,h] anthracene

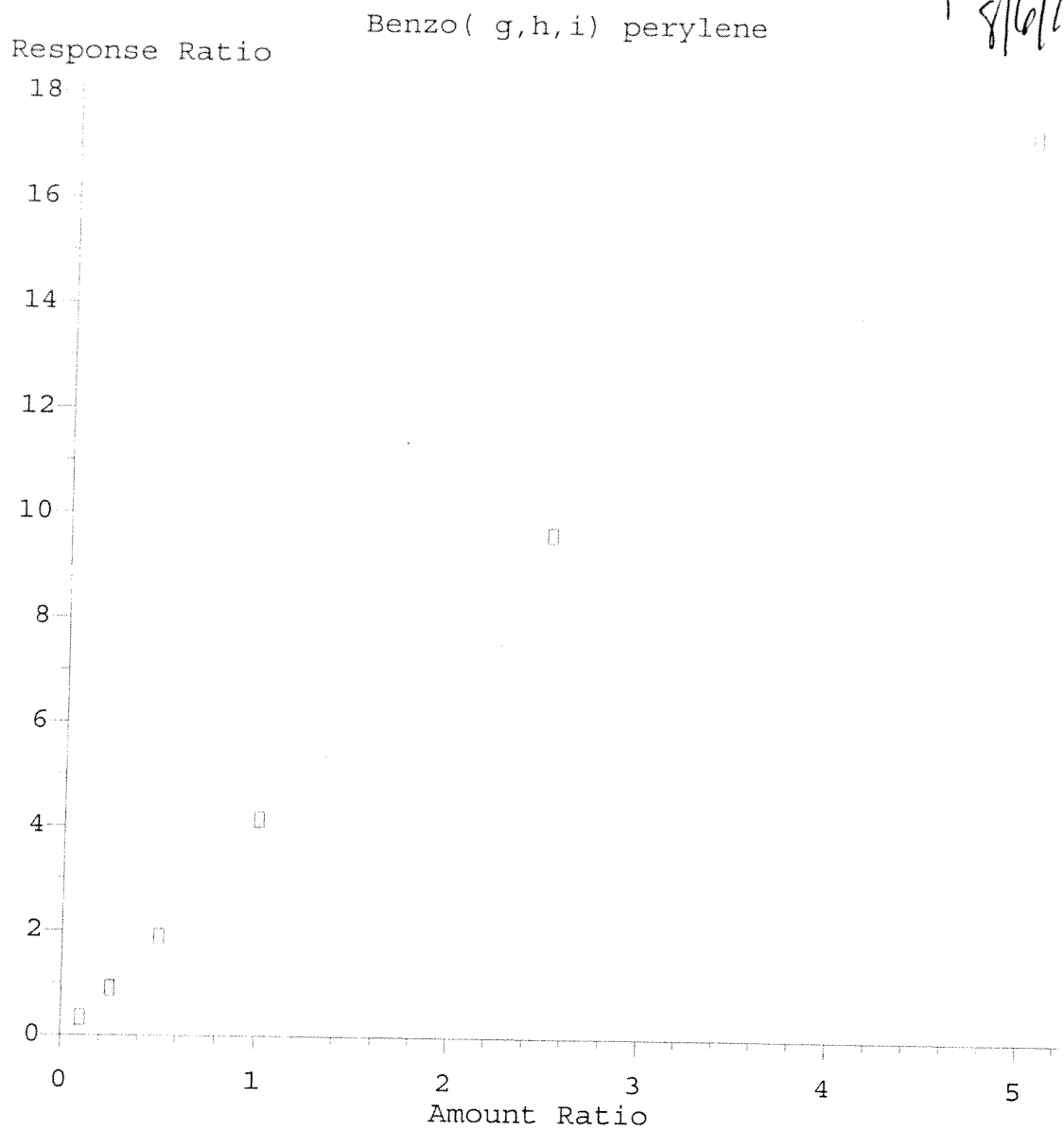


R = 4.04e-002 A*A + 3.80e+000 A - 1.51e-001
Curve Fit: Quadratic

DB90

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10



R = -1.73e-001 A*A + 4.35e+000 A - 1.44e-001
Curve Fit: Quadratic

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

DBQW

MS AROMATIC
ICV

Data File Name D71460.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/5/2010 8:53

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	22.55	20	113%	OK
2-Methylnaphthalene	22.33	20	112%	OK
Acenaphthylene	22.20	20	111%	OK
Acenaphthene	22.24	20	111%	OK
Fluorene	22.47	20	112%	OK
Phenanthrene	21.99	20	110%	OK
Anthracene	22.53	20	113%	OK
o-terphenyl	23.18	20	116%	OK
Fluoranthene	21.67	20	108%	OK
Pyrene	22.24	20	111%	OK
Benzo[a]anthracene	22.19	20	111%	OK
Chrysene	22.58	20	113%	OK
Benzo[b] fluoranthene	20.30	20	102%	OK
Benzo[k] fluoranthene	22.10	20	110%	OK
Benzo[a] pyrene	22.55	20	113%	OK
Indeno [1,2,3-cd] pyrene	20.32	20	102%	OK
Dibenz [a,h] anthracene	22.10	20	111%	OK
Benzo(g,h,i) perylene	22.94	20	115%	OK

8/6/10

08910

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010

N1080510

Calibration Files

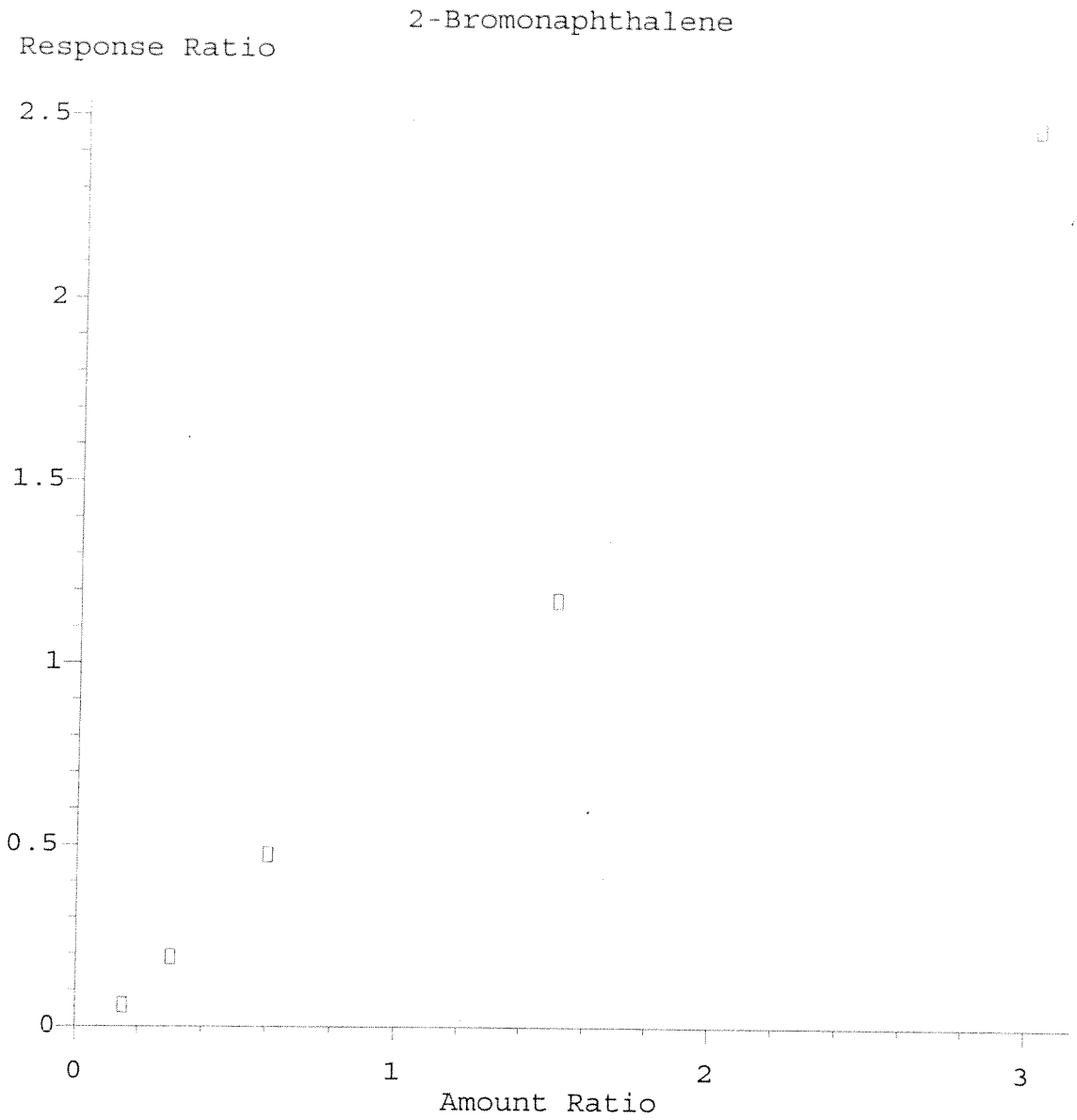
2	=D71454SI.D	5	=D71455SI.D	10	=D71456SI.D
20	=D71457SI.D	50	=D71458SI.D	100	=D71459SI.D

		Compound	2	5	10	20	50	100	Avg		%RS
1)	I	5-alpha-Androstane	ISTD								
2)	TZ	Naphthalene	1.010	1.076	1.056	1.046	1.104	1.173	1.077	0	5.2
3)	TZ	2-Methylnaphthalene	1.004	1.010	1.043	1.027	1.082	1.088	1.042	0	3.4
4)	TZ	Acenaphthylene	0.939	0.946	0.990	0.995	1.017	1.029	0.986	0	3.7
5)	TZ	Acenaphthene	1.282	1.228	1.176	1.150	1.116	1.112	1.177	0	5.6
6)	TZ	Fluorene	0.909	0.933	0.933	0.972	0.997	0.991	0.956	0	3.7
7)	TZ	Phenanthrene	0.869	0.968	1.002	0.976	1.049	1.030	0.982	0	6.5
8)	TZ	Anthracene	0.898	1.009	1.039	0.998	1.047	0.991	0.997	0	5.3
9)	S	2-Fluorobiphenyl	—	0.934	0.957	0.978	1.013	1.053	0.987	0	4.7
10)	S	2-Bromonaphthalene	—	0.396	0.639	0.790	0.782	0.824	0.686	0	25.7
11)	S	o-terphenyl	—	0.912	0.920	0.914	0.948	0.989	0.937	0	3.4
12)	TZ	Fluoranthene	0.939	0.958	0.937	0.951	1.014	1.013	0.969	0	3.6
13)	TZ	Pyrene	0.947	0.972	0.990	1.010	1.028	1.021	0.995	0	3.1
14)	TZ	Benzo[a]anthracene	0.676	0.747	0.781	0.845	0.927	0.925	0.817	0	12.3
15)	TZ	Chrysene	0.847	0.902	0.906	0.959	0.990	0.970	0.929	0	5.7
16)	TZ	Benzo[b] fluoranthe	0.543	0.598	0.639	0.694	0.770	0.782	0.671	0	14.2
[illegible])	TZ	Benzo[k] fluoranthe	0.702	0.751	0.761	0.804	0.827	0.811	0.776	0	6.02
18)	TZ	Benzo[a] pyrene	0.517	0.592	0.663	0.712	0.752	0.765	0.667	0	14.53
19)	TZ	Indeno [1,2,3-cd] p	0.318	0.413	0.475	0.552	0.606	0.562	0.488	0	22.10
20)	TZ	Dibenz [a,h] anthra	0.552	0.650	0.708	0.746	0.695	0.691	0.673	0	9.98
21)	TZ	Benzo(g,h,i) peryl	0.506	0.600	0.638	0.715	0.651	0.572	0.614	0	11.69
22)	XH	c11-c22	0.792	0.844	0.867	0.891	0.922	0.913	0.872	0	5.58

8/5/10

(#) = Out of Range

N108050

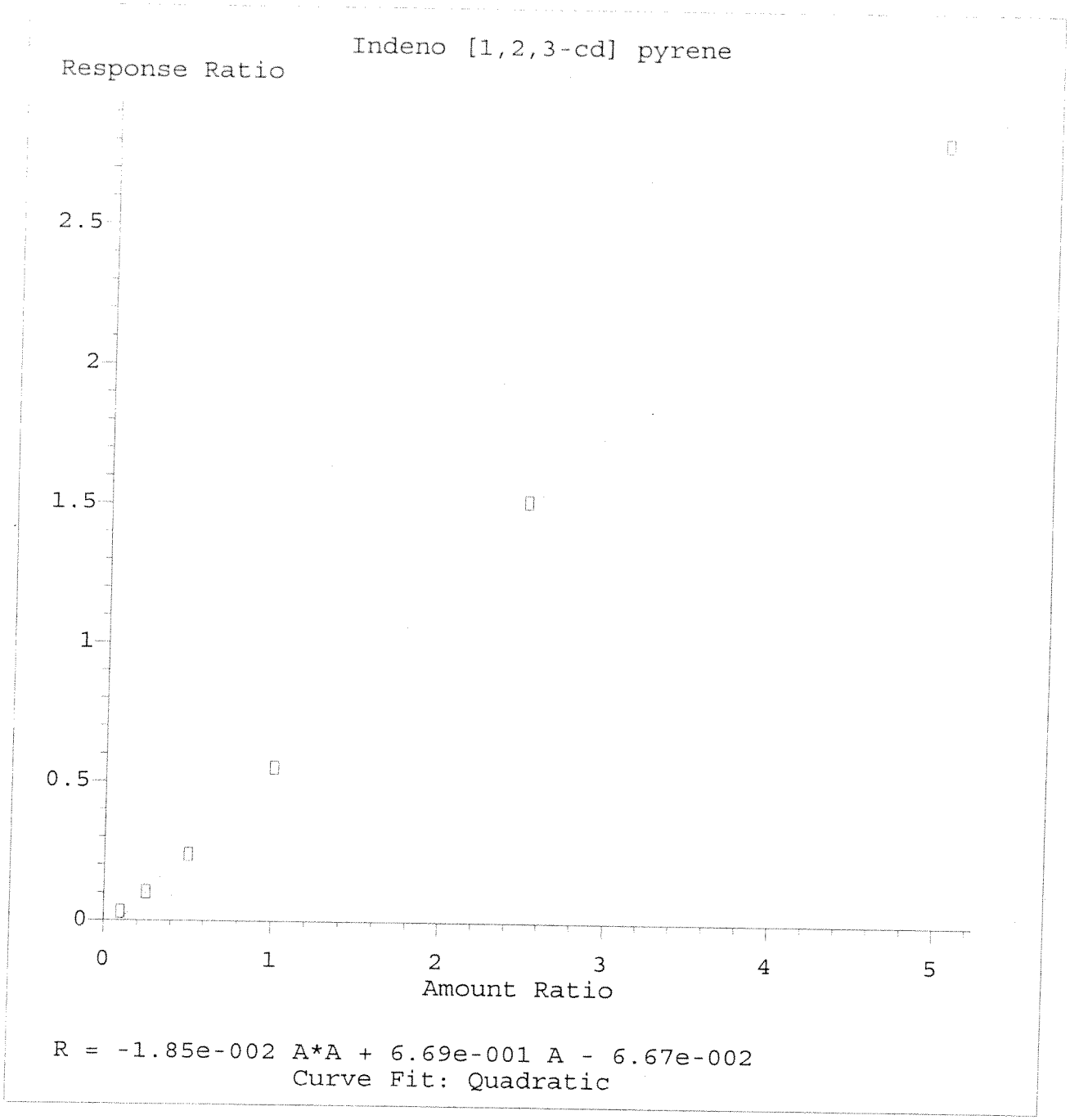


Resp Ratio = 8.40e-001 * Amt - 5.89e-002
Coef of Det (r^2) = 1.000 Curve Fit: Linear

Method Name: D:\HPCHEM\1\METHODS\ARG80410.M
Calibration Table Last Updated: Thu Aug 05 10:32:35 2010

JM 8/5/10

Nr 8 5 10



Method Name: D:\HPCHEM\1\METHODS\ARG80410.M
Calibration Table Last Updated: Thu Aug 05 10:34:13 2010

✓ DM 8/5/10

GC AROMATIC 2ND SOURCE CHECK

Data File Name D71460.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/5/2010 8:53

8/6/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.60	20	108%	OK	21.60		
2-Methylnaphthalene	21.89	20	109%	OK	21.89		
Acenaphthylene	21.51	20	108%	OK	21.51		
Acenaphthene	20.46	20	102%	OK	20.46		
Fluorene	21.82	20	109%	OK	21.82		
Phenanthrene	21.50	20	108%	OK	21.50		
Anthracene	22.09	20	110%	OK	22.09		
Fluoranthene	21.39	20	107%	OK	21.39		
Pyrene	21.75	20	109%	OK	21.75		
Benzo[a]anthracene	19.96	20	100%	OK	19.96		
Chrysene	22.62	20	113%	OK	22.62		
Benzo[b] fluoranthene	19.97	20	100%	OK	19.97		
Benzo[k] fluoranthene	21.06	20	105%	OK	21.06		
Benzo[a] pyrene	22.21	20	111%	OK	22.21		
Indeno [1,2,3-cd] pyrene	20.83	20	104%	OK	20.83		
Dibenz [a,h] anthracene	23.74	20	119%	OK	23.74		
Benzo(g,h,i) perylene	22.43	20	112%	OK	22.43		
c11-c22		340			**366.84**	108%	OK

58910

Method Path : C:\msdchem\1\METHODS\
Method File : ARM081310.M
Title : EPH MS AROMATICS
Last Update : Sat Aug 14 05:34:39 2010
Response Via : Initial Calibration

8/14/10

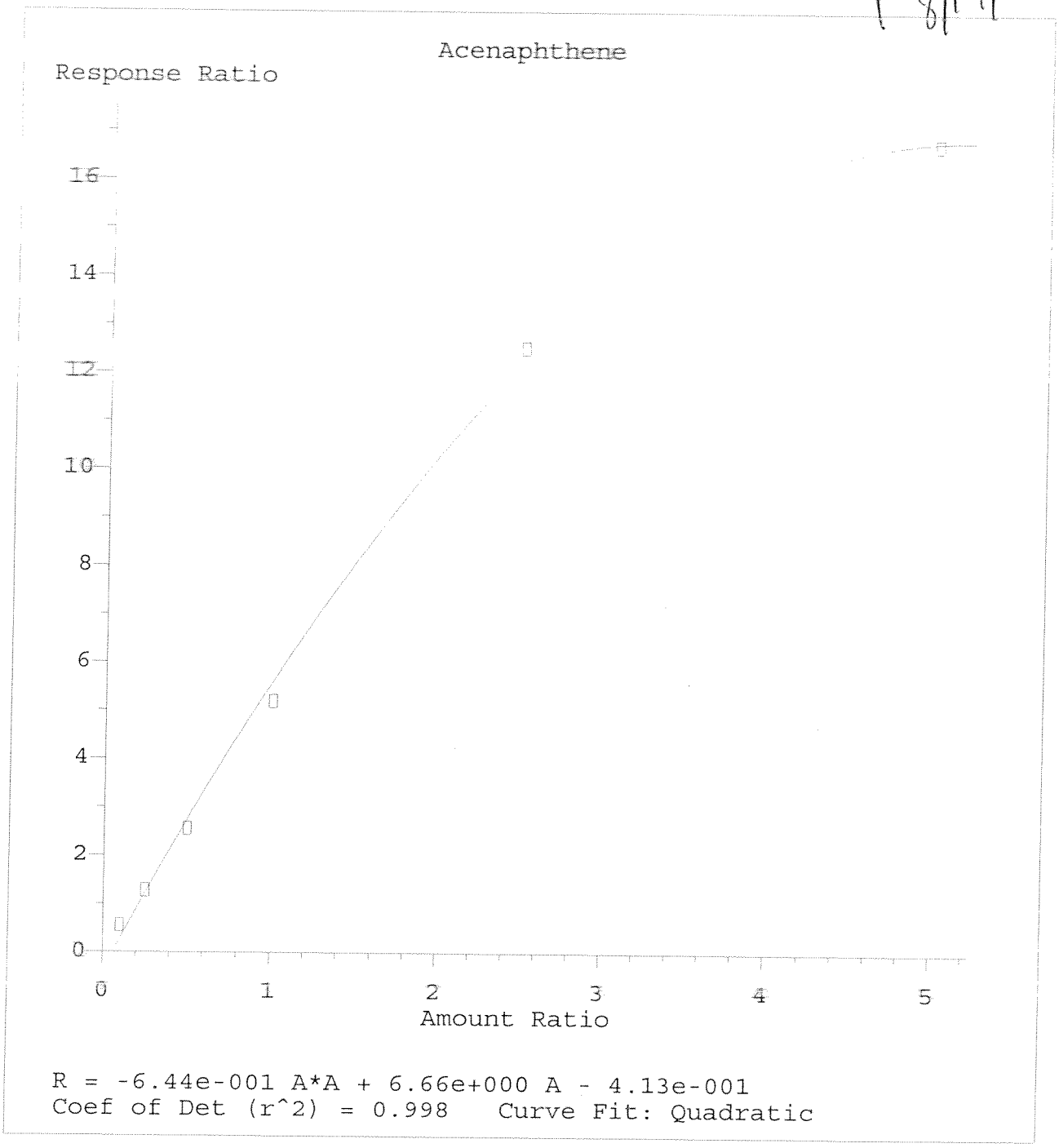
Calibration Files
2 =J35319SI.D 5 =J35320SI.D 10 =J35321SI.D 20 =J35322SI.D
50 =J35323SI.D 100 =J35324SI.D

		Compound	2	5	10	20	50	100	Avg		%RSD
1)	I	5-alpha Androstane				ISTD					
2)	TM	Naphthalene	8.270	7.945	8.267	8.214	8.040	6.573	7.885		8.32
3)	TM	2-Methylnaphth...	4.973	4.706	4.730	4.805	4.582	3.683	4.580		9.99
4)	TM	Acenaphthylene	9.341	8.780	8.963	8.903	8.635	7.162	8.631		8.77
5)	TM	Acenaphthene	5.511	5.104	5.121	5.194	5.008	3.349	4.881		15.78 Q
6)	TM	Fluorene	6.990	6.493	6.512	6.712	6.411	4.099	6.203		16.95 Q
7)	TM	Phenanthrene	1.026	0.961	0.966	0.964	0.924	0.833	0.946	E1	6.75
8)	TM	Anthracene	1.010	0.947	0.937	0.957	0.924	0.819	0.933	E1	6.73
9)	S	2-Fluorobiphenyl	6.899	6.732	6.793	6.723	6.687	5.891	6.621		5.52
10)	S	2-Bromonaphtha...	3.335	3.041	3.057	3.045	2.994	2.034	2.918		15.42 Q
11)	S	o-terphenyl	6.288	5.871	5.793	5.756	5.631	5.346	5.781		5.34
12)	TM	Fluoranthene	1.168	1.100	1.097	1.109	1.064	0.963	1.083	E1	6.29
13)	TM	Pyrene	1.214	1.136	1.136	1.145	1.108	0.999	1.123	E1	6.28
14)	TM	Benzo[a]anthra...	1.073	1.017	1.006	1.013	0.995	0.924	1.005	E1	4.79
15)	TM	Chrysene	1.043	0.972	0.961	0.967	0.952	0.847	0.957	E1	6.58
16)	TM	Benzo[b] fluor...	9.682	8.883	9.053	8.951	8.871	8.635	9.013		3.95
17)	TM	Benzo[k] fluor...	9.366	9.022	9.025	9.004	8.828	7.855	8.850		5.85
18)	TM	Benzo[a] pyrene	9.175	8.699	8.658	8.749	8.617	8.114	8.669		3.91
19)	TM	Indeno [1,2,3-...	7.589	7.236	7.344	7.413	7.719	7.409	7.452		2.34
20)	TM	Dibenz [a,h] a...	7.657	7.171	7.238	7.213	7.613	6.784	7.279		4.42
21)	TM	Benzo(g,h,i) ...	8.301	8.076	7.859	7.759	7.786	6.782	7.760		6.72
22)		c11-c22							0.000#		-1.00

(#) = Out of Range

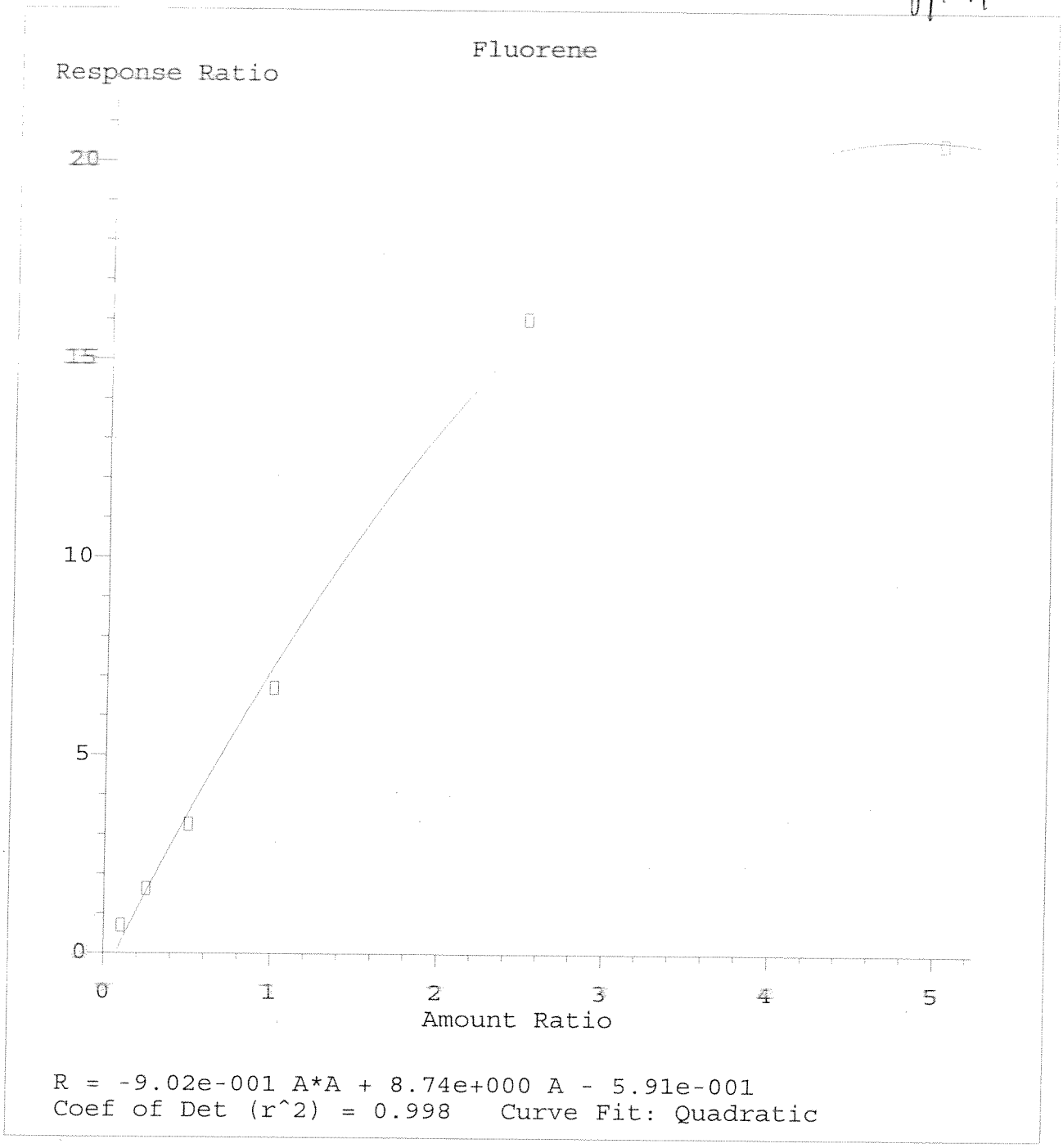
361570

8/14/10



Method Name: C:\msdchem\1\METHODS\ARM081310.M
Calibration Table Last Updated: Sat Aug 14 05:34:39 2010

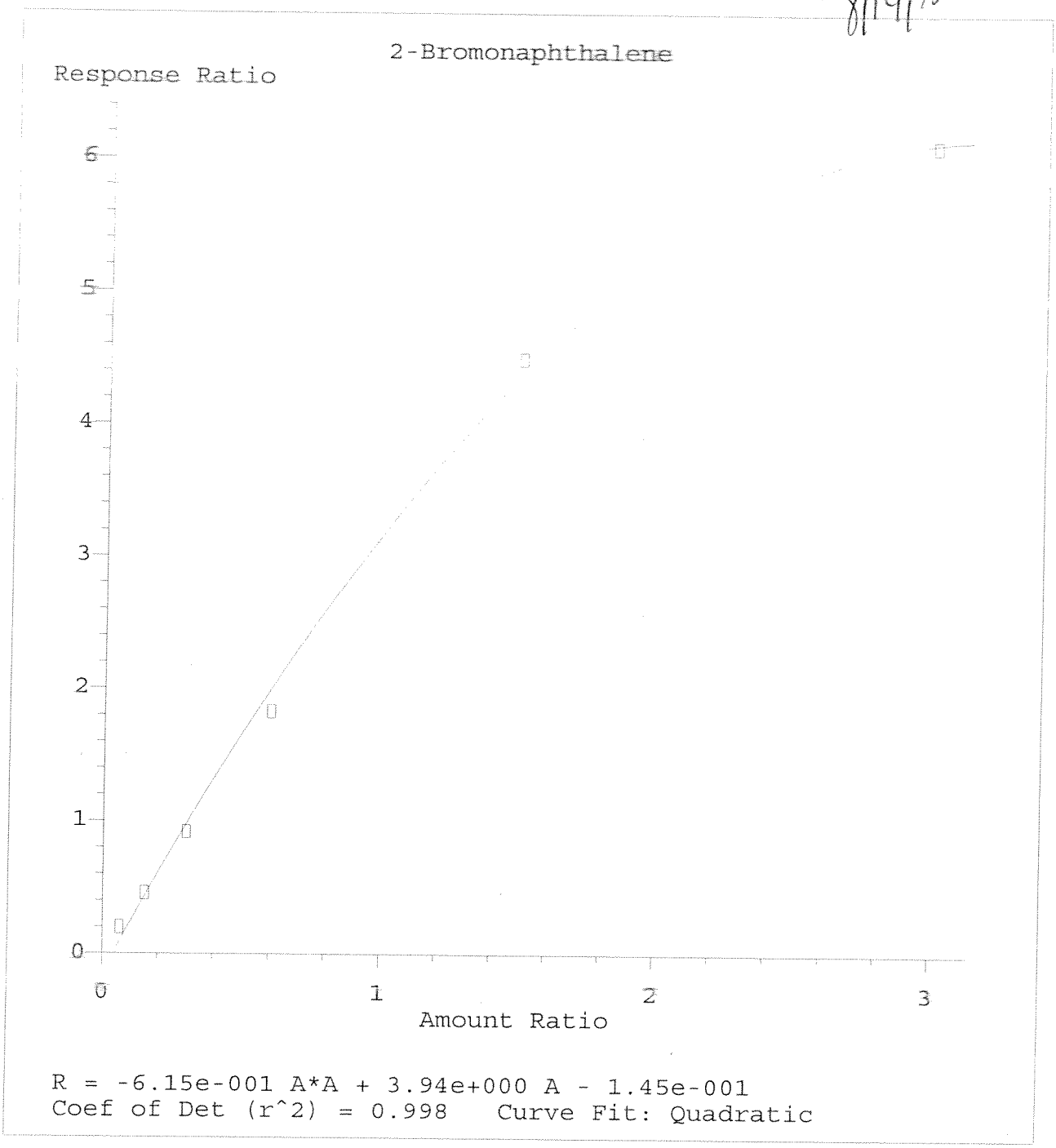
8/14/10



Method Name: C:\msdchem\1\METHODS\ARM081310.M
Calibration Table Last Updated: Sat Aug 14 05:34:39 2010

091570

8/14/10



Method Name: C:\msdchem\1\METHODS\ARM081310.M
Calibration Table Last Updated: Sat Aug 14 05:34:39 2010

58120

MS AROMATIC
2ND SOURCE
CHECK

Data File Name J35325.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/14/2010 5:33

8/14/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	22.19	20	111%	OK
2-Methylnaphthalene	21.50	20	107%	OK
Acenaphthylene	21.56	20	108%	OK
Acenaphthene	19.87	20	99%	OK
Fluorene	19.24	20	96%	OK
Phenanthrene	21.76	20	109%	OK
Anthracene	21.64	20	108%	OK
o-terphenyl	20.02	20	100%	OK
Fluoranthene	21.46	20	107%	OK
Pyrene	20.99	20	105%	OK
Benzo[a]anthracene	20.31	20	102%	OK
Chrysene	20.77	20	104%	OK
Benzo[b] fluoranthene	19.74	20	99%	OK
Benzo[k] fluoranthene	20.13	20	101%	OK
Benzo[a] pyrene	20.45	20	102%	OK
Indeno [1,2,3-cd] pyrene	19.76	20	99%	OK
Dibenz [a,h] anthracene	19.64	20	98%	OK
Benzo(g,h,i) perylene	19.30	20	97%	OK

081520

8/14/2010 6:01 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARM ICVPRCT.CRT

Method Path : C:\msdchem\1\METHODS\
Method File : ARG081310.M
Title : EPH GC AROMATICS
Last Update : Sat Aug 14 06:49:45 2010
Response Via : Initial Calibration

PM 8/14/10

Calibration Files

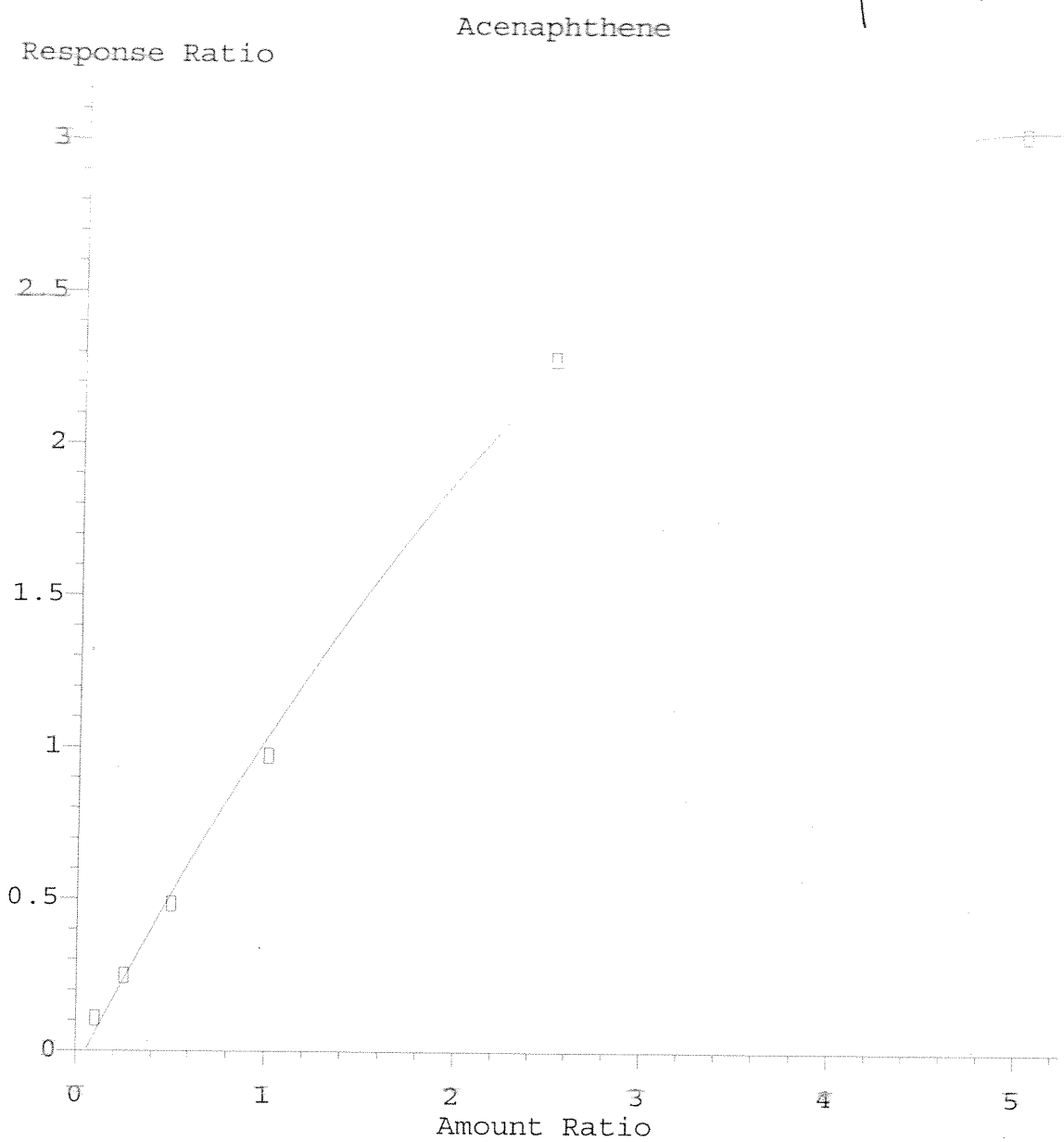
2	=J35319SI.D	5	=J35320SI.D	10	=J35321SI.D
20	=J35322SI.D	50	=J35323SI.D	100	=J35324SI.D

		Compound	2	5	10	20	50	100	Avg	%RSD
1)	I	5-alpha-Androstane	----------	----------	----------	ISTD	----------	----------	----------	
2)	TZ	Naphthalene	0.871	0.842	0.853	0.839	0.800	0.653	0.810	9.92
3)	TZ	2-Methylnapht...	0.962	0.920	0.893	0.897	0.830	0.670	0.862	12.01
4)	TZ	Acenaphthylene	0.911	0.879	0.882	0.882	0.833	0.693	0.847	9.39
5)	TZ	Acenaphthene	1.074	0.990	0.966	0.973	0.912	0.605	0.920	17.70 Q
6)	TZ	Fluorene	1.072	0.992	0.989	0.997	0.946	0.617	0.936	17.23 Q
7)	TZ	Phenanthrene	1.125	1.073	1.028	1.011	0.943	0.852	1.006	9.62
8)	TZ	Anthracene	1.086	0.997	0.955	0.976	0.918	0.819	0.958	9.23
9)	S	2-Fluorobiphenyl	0.965	0.968	0.931	0.927	0.891	0.781	0.910	7.64
10)	S	2-Bromonaphth...	0.784	0.750	0.758	0.754	0.726	0.471	0.707	16.58 Q
11)	S	o-terphenyl	1.406	1.293	1.244	1.237	1.175	1.102	1.243	8.33
12)	TZ	Fluoranthene	1.214	1.154	1.133	1.136	1.079	0.995	1.118	6.65
13)	TZ	Pyrene	1.269	1.196	1.164	1.185	1.135	1.045	1.166	6.35
14)	TZ	Benzo[a]anthr...	1.174	1.119	1.088	1.101	1.066	1.003	1.092	5.22
15)	TZ	Chrysene	1.213	1.135	1.113	1.113	1.056	0.958	1.098	7.78
16)	TZ	Benzo[b] fluo...	1.102	1.031	1.018	1.011	0.986	0.944	1.015	5.16
17)	TZ	Benzo[k] fluo...	1.153	1.058	1.039	1.017	0.984	0.931	1.030	7.26
18)	TZ	Benzo[a] pyrene	1.093	1.026	1.005	1.000	0.969	0.927	1.003	5.54
19)	TZ	Indeno [1,2,3...	0.903	0.867	0.855	0.861	0.871	0.988	0.891	5.67
20)	TZ	Dibenz [a,h] ...	1.057	0.992	0.960	0.940	0.916	0.598	0.910	17.62 Q
21)	TZ	Benzo(g,h,i)...	1.042	0.978	0.947	0.927	0.928	0.818	0.940	7.84
22)	XH	c11-c22	1.078	1.015	0.993	0.992	0.951	0.830	0.977	8.47

(#) = Out of Range

J 81510

JN 8/14/10

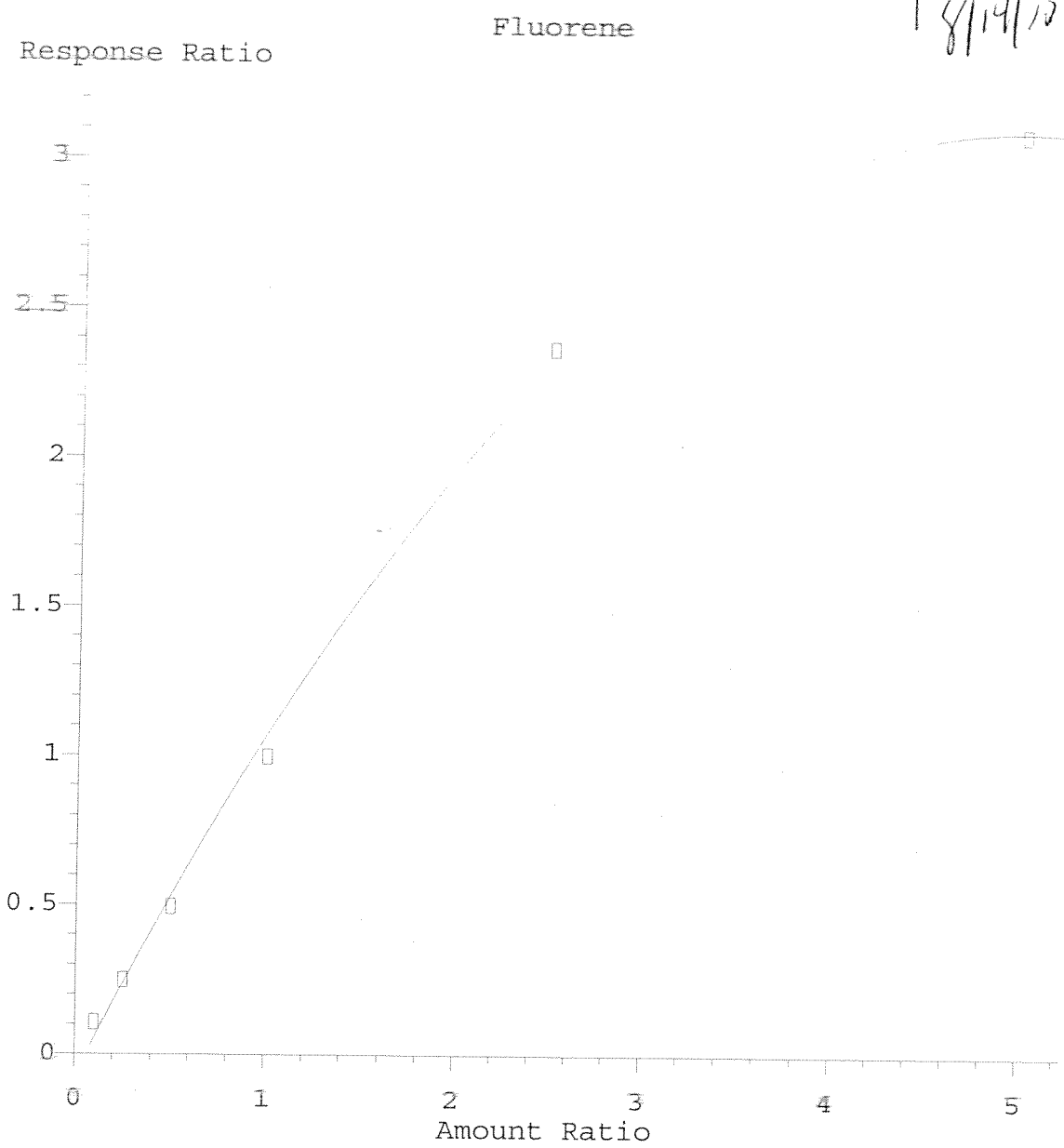


R = -1.19e-001 A*A + 1.22e+000 A - 6.09e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARG081310.M
Calibration Table Last Updated: Sat Aug 14 06:48:51 2010

0 21520

8/14/10

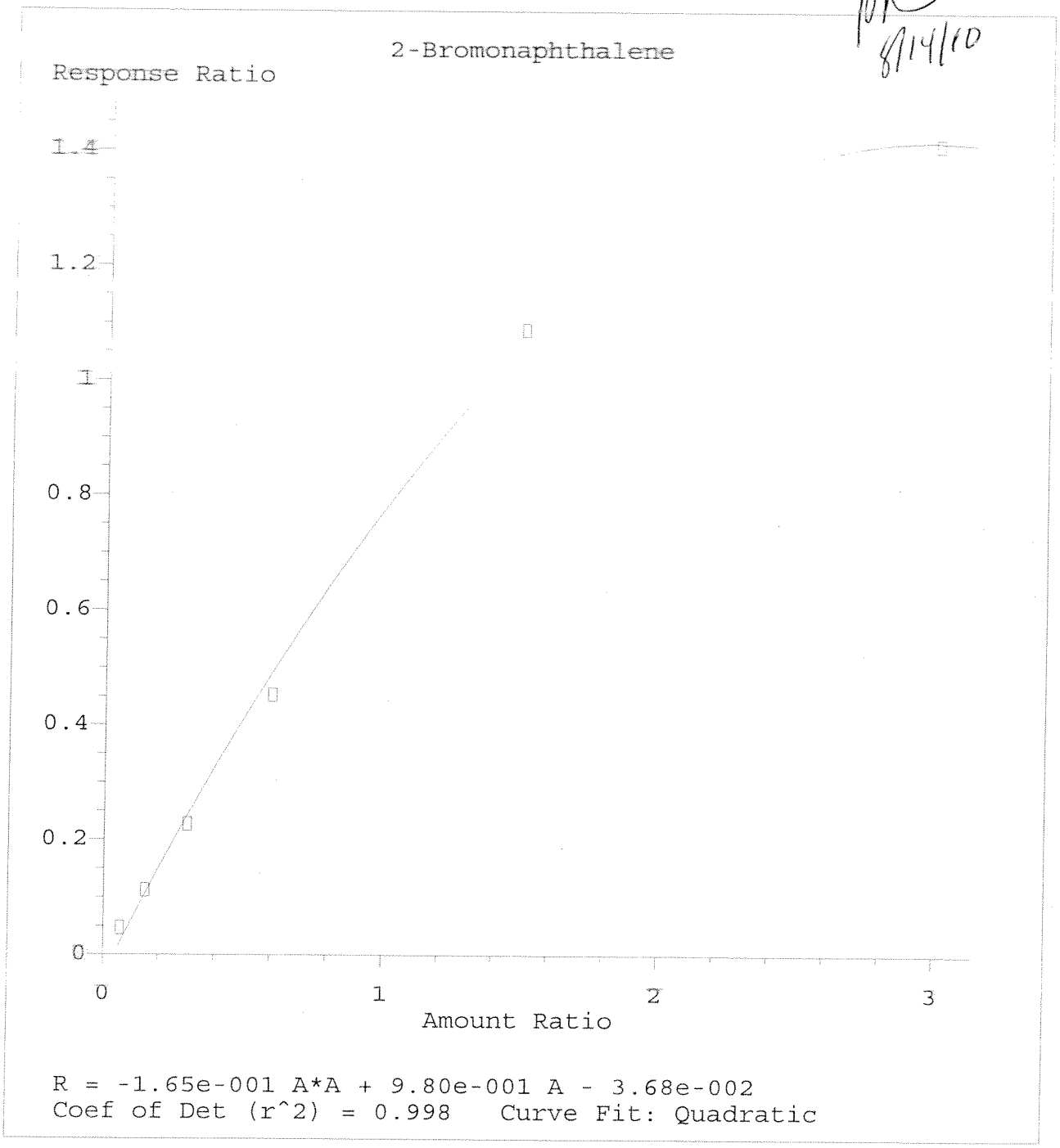


R = -1.28e-001 A*A + 1.27e+000 A - 7.40e-002
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARG081310.M
Calibration Table Last Updated: Sat Aug 14 06:49:22 2010

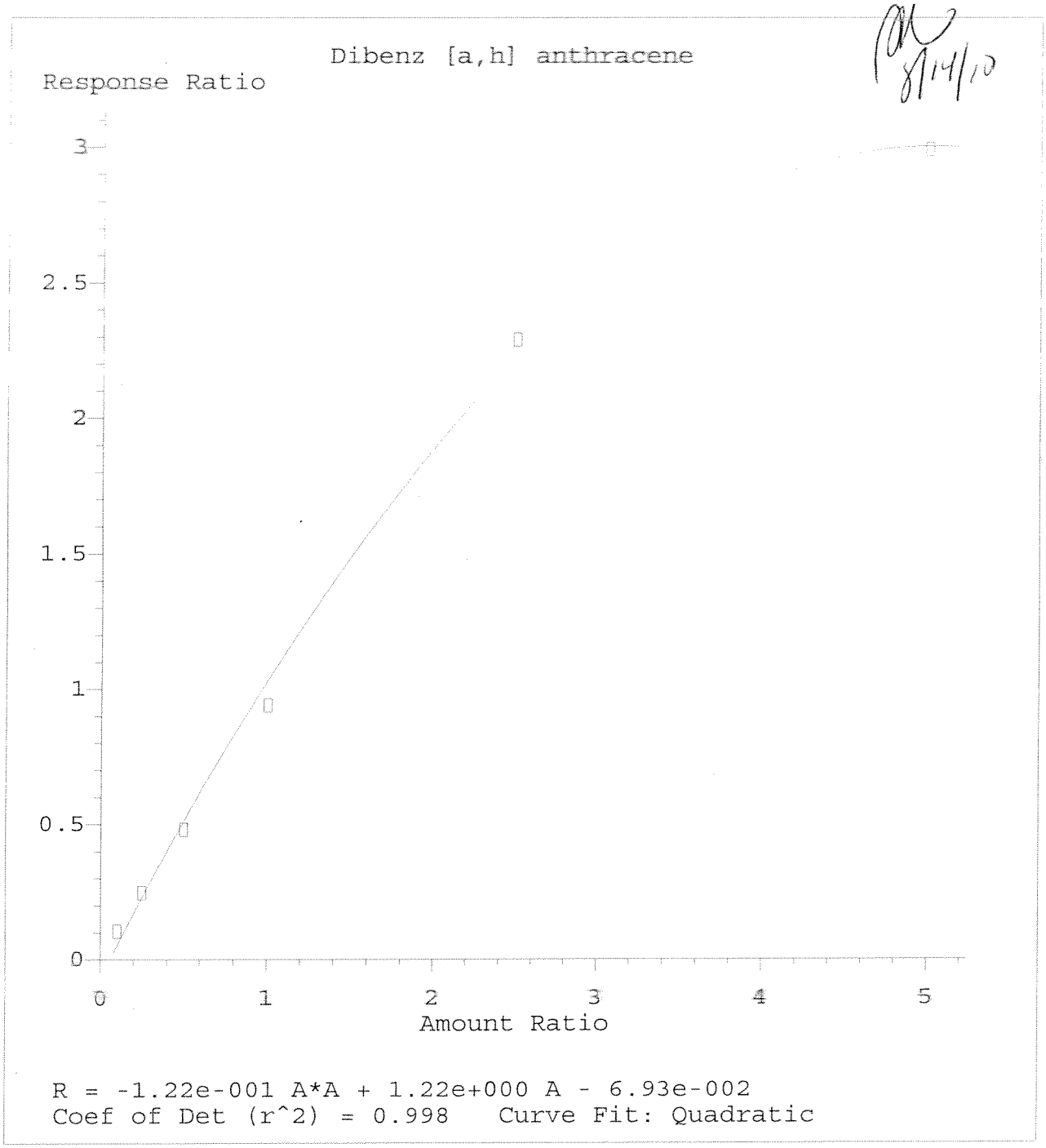
581070

8/14/10



Method Name: C:\msdchem\1\METHODS\ARG081310.M
Calibration Table Last Updated: Sat Aug 14 06:49:28 2010

JE152



8/14/10

Method Name: C:\msdchem\1\METHODS\ARG081310.M
Calibration Table Last Updated: Sat Aug 14 06:49:36 2010

J41520

GC AROMATIC
2ND SOURCE
CHECK

Data File Name J35325.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/14/2010 5:33

8/14/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.90	20	109%	OK	21.90		
2-Methylnaphthalene	21.30	20	106%	OK	21.30		
Acenaphthylene	21.63	20	108%	OK	21.63		
Acenaphthene	19.90	20	99%	OK	19.90		
Fluorene	19.24	20	96%	OK	19.24		
Phenanthrene	21.35	20	107%	OK	21.35		
Anthracene	21.30	20	107%	OK	21.30		
Fluoranthene	21.39	20	107%	OK	21.39		
Pyrene	20.58	20	103%	OK	20.58		
Benzo[a]anthracene	20.21	20	101%	OK	20.21		
Chrysene	20.65	20	103%	OK	20.65		
Benzo[b] fluoranthene	19.76	20	99%	OK	19.76		
Benzo[k] fluoranthene	19.73	20	99%	OK	19.73		
Benzo[a] pyrene	20.29	20	101%	OK	20.29		
Indeno [1,2,3-cd] pyrene	19.24	20	96%	OK	19.24		
Dibenz [a,h] anthracene	18.07	20	90%	OK	18.07		
Benzo(g,h,i) perylene	19.40	20	97%	OK	19.40		
c11-c22		340			**345.94**	102%	OK
o-terphenyl	19.40	20	97%	OK			

JBW

8/14/2010 6:51 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG ICV SUMPRCT.CRT

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67494
Standard ID: S9936 ALI 40
Data File ID: D71741SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.1	0.2	
C-10	41.8	4.5	
C-12	39.4	1.5	
C-14	38.6	3.4	
C-16	38.5	3.7	
C-18	37.8	5.6	
C-19	37.9	5.4	
C-20	38.2	4.5	
1-Chlorooctadecane	16.3	2.0	
C-22	38.3	4.3	
C-24	40.2	0.4	
C-26	43.2	8.0	
C-28	44.8	12.1	
C-30	44.7	11.8	
C-36	46.1	15.2	

C9-C18 Aliphatics	236.2	1.6	
C19-C36 Aliphatics	333.3	4.2	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67494
Standard ID: S9936 ALI 40
Data File ID: D71760SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.8	5.5	
C-10	39.0	2.4	
C-12	36.7	8.1	
C-14	37.4	6.6	
C-16	37.0	7.4	
C-18	36.3	9.3	
C-19	36.0	9.9	
C-20	37.0	7.5	
1-Chlorooctadecane	16.2	1.2	
C-22	38.0	5.1	
C-24	39.6	1.0	
C-26	43.7	9.3	
C-28	45.2	13.0	
C-30	41.0	2.6	
C-36	42.3	5.8	

C9-C18 Aliphatics	224.2	6.6	
C19-C36 Aliphatics	322.8	0.9	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67494
Standard ID: S9937 ARO 20
Data File ID: D71742SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.6	2.9	
2-Methylnaphthalene	20.9	4.6	
Acenaphthylene	21.5	7.5	
Acenaphthene	21.5	7.5	
Fluorene	21.5	7.4	
Phenanthrene	22.6	13.1	
Anthracene	22.0	10.2	
2-Fluorobiphenyl	12.7	5.8	
2-Bromonaphthalene	13.1	8.9	
o-terphenyl	9.3	15.7	
Fluoranthene	22.0	9.8	
Pyrene	22.1	10.6	
Benzo[a]anthracene	22.5	12.3	
Chrysene	22.0	9.8	
Benzo[b] fluoranthene	21.0	5.0	
Benzo[k] fluoranthene	21.9	9.5	
Benzo[a] pyrene	22.1	10.7	
Indeno [1,2,3-cd] pyrene	21.7	8.7	
Dibenz [a,h] anthracene	22.3	11.7	
Benzo(g,h,i) perylene	22.0	10.0	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67494
Standard ID: S9937 ARO 20
Data File ID: D71761SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.1	0.4	
2-Methylnaphthalene	19.3	3.5	
Acenaphthylene	21.0	5.2	
Acenaphthene	20.1	0.4	
Fluorene	20.5	2.7	
Phenanthrene	21.4	7.0	
Anthracene	20.6	3.2	
2-Fluorobiphenyl	12.2	2.0	
2-Bromonaphthalene	13.0	8.7	
o-terphenyl	8.9	11.0	
Fluoranthene	21.6	8.2	
Pyrene	21.3	6.6	
Benzo[a]anthracene	22.6	13.1	
Chrysene	21.2	5.8	
Benzo[b] fluoranthene	21.0	5.2	
Benzo[k] fluoranthene	22.1	10.3	
Benzo[a] pyrene	21.5	7.7	
Indeno [1,2,3-cd] pyrene	21.6	8.1	
Dibenz [a,h] anthracene	22.1	10.3	
Benzo(g,h,i) perylene	21.2	6.1	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	6995120		11.02	
Upper Limit	13990240		11.08	
Lower limit	3497560		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9700 ALI 5	6392680		11.02	
S9701 ALI 10	6336220		11.02	
S9702 ALI 20	7097680		11.02	
S9704 ALI 50	6719900		11.02	
S9705 ALI 100	6944560		11.02	
S9715 ALI 20 ICV	6985250		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	39978		11.02	
Upper Limit	79956		11.08	
Lower limit	19989		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	39531		11.01	
S9707 ARO 5	38539		11.02	
S9708 ARO 10	37361		11.02	
S9710 ARO 50	35122		11.02	
S9711 ARO 100	33554		11.02	
S9716 ARO 20 ICV	30229		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	10504500		10.95	
Upper Limit	21009000		11.01	
Lower limit	5252250		10.89	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	7719890		10.94	
B080110EASE	6313540		10.94	
L080110EASE	5494030		10.94	
LD08110EASE	5734900		10.94	
67494-5	5738650		10.94	
67494-6	5905840		10.94	
S9936 ALI 40	11479700		10.94	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	54514		10.94	
Upper Limit	109028		11.00	
Lower limit	27257		10.88	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	41184		10.94	
B08110EASE	31322		10.94	
L08110EASE	28385		10.94	
LD08110EASE	26552	*	10.94	
67494-5	29729		10.94	
67494-6	31578		10.94	
S9937 ARO 20	63935		10.94	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	22359200		8.10	
Upper Limit	44718400		8.16	
Lower limit	11179600		8.04	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	21611900		8.10	
S9707 ARO 5	21507400		8.10	
S9708 ARO 10	21039600		8.10	
S9937 ARO 20	22359200		8.10	
S9710 ARO 50	19848600		8.10	
S9711 ARO 100	20152400		8.10	
S9716 ARO 20 ICV	21822300		8.10	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	103378		8.10	
Upper Limit	206756		8.16	
Lower limit	51689		8.04	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	99471		8.10	
S9707 ARO 5	100114		8.10	
S9708 ARO 10	96829		8.10	
S9937 ARO 20	103378		8.10	
S9710 ARO 50	90532		8.10	
S9711 ARO 100	93720		8.10	
S9716 ARO 20 ICV	100378		8.10	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	93841		8.10	
Upper Limit	187682		8.16	
Lower limit	46921		8.04	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	89967		8.10	
B081110EASE,RR	93621		8.10	
L081110EASE,RR	92626		8.10	
LD081110EASE,RR	87626		8.10	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

SAMPLE DATA

Lab Sample ID: B081110PAS
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 08/11/10
Analysis Date: 08/15/10

CLIENT SAMPLE ID

Project Name: NASOWEY
Project Number:
Field Sample ID: Lab QC

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	74	%
Decachlorobiphenyl	63	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

SAMPLE DATA

Lab Sample ID: B081110PAS RR
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 08/11/10
Analysis Date: 08/15/10

CLIENT SAMPLE ID

Project Name: NASOWEY
Project Number:
Field Sample ID: Lab QC

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	74	%
Decachlorobiphenyl	63	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

SAMPLE DATA

Lab Sample ID: 67494-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.0
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Extraction Date: 08/11/10
Analysis Date: 08/15/10

CLIENT SAMPLE ID

Project Name: NASOWEY
Project Number:
Field Sample ID: FDS-5

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	59	%
Decachlorobiphenyl	50	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

PESTICIDE SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B081110PAS	71		64		74		63	
L081110PAST	88		79		90		78	
LD081110PAST	98		87		101		86	
B081110PAS,RR	71		64		74		63	
67494-6	59		50		60		48	
67494-6,MS	59		48		60		46	
67494-6,MSD	88		74		90		70	

		Lower Limit	Upper Limit
SMC #1 =	TCX	40	130
SMC #2 =	DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PESTICIDE SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Non-spiked sample: B081110PAS
Spike: L081110PAST
Spike duplicate: LD081110PAST

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
HEXACHLOROBENZENE	17	17	60	140	25	0	13	77		14	84		9	
A-BHC	17	17	63	110	30	0	15	89		17	99		11	
G-BHC	17	17	67	118	30	0	15	89		17	100		12	
B-BHC	17	17	66	116	30	0	15	92		17	103		11	
D-BHC	17	17	55	114	30	0	15	90		17	102		12	
HEPTACHLOR	17	17	64	115	30	0	13	80		15	91		12	
ALDRIN	17	17	68	115	30	0	15	87		16	98		12	
HEPTACHLOR EPOXIDE	17	17	69	117	30	0	15	89		16	98		9	
G-CHLORDANE	17	17	69	112	30	0	14	85		15	92		9	
A-CHLORDANE	17	17	70	113	30	0	15	89		16	98		10	
ENDOSULFAN I	17	17	73	117	30	0	15	89		17	100		11	
4,4-DDE	17	17	70	115	30	0	15	89		16	99		10	
DIELDRIN	17	17	71	116	30	0	15	88		16	98		11	
ENDRIN	17	17	79	122	30	0	15	90		17	100		11	
4,4-DDD	17	17	61	116	30	0	15	89		16	99		10	
ENDOSULFAN II	17	17	65	125	30	0	15	89		16	98		10	
4,4-DDT	17	17	72	125	30	0	15	89		17	99		11	
ENDRIN ALDEHYDE	17	17	35	127	30	0	16	95		18	105		11	
ENODOSULFAN SULFATE	17	17	46	128	30	0	15	91		17	101		10	
METHOXYCHLOR	17	17	62	140	30	0	15	93		17	103		10	
ENDRIN KETONE	17	17	70	123	30	0	16	96		18	106		9	
HEXACHLOROBENZENE #2	17	17	60	140	25	0	13	80		15	88		9	
A-BHC #2	17	17	68	110	30	0	15	92		17	103		11	
G-BHC #2	17	17	71	116	30	0	15	93		17	104		12	
B-BHC #2	17	17	76	120	30	0	16	95		18	107		12	
D-BHC #2	17	17	58	116	30	0	16	94		18	106		12	
HEPTACHLOR #2	17	17	68	110	30	0	15	90		17	101		12	
ALDRIN #2	17	17	67	108	30	0	15	90		17	101		11	
HEPTACHLOR EPOXIDE #2	17	17	70	111	30	0	15	88		16	99		11	
G-CHLORDANE #2	17	17	67	109	30	0	15	90		17	100		11	
A-CHLORDANE #2	17	17	71	111	30	0	15	89		16	98		10	
ENDOSULFAN I #2	17	17	71	112	30	0	15	89		16	97		9	
4,4-DDE #2	17	17	68	112	30	0	15	92		17	102		11	
DIELDRIN #2	17	17	70	108	30	0	15	87		16	96		10	
ENDRIN #2	17	17	75	116	30	0	15	92		17	102		11	
4,4-DDD #2	17	17	68	115	30	0	15	91		17	101		11	
ENDOSULFAN II #2	17	17	64	113	30	0	15	89		16	98		9	
4,4-DDT #2	17	17	69	121	30	0	15	90		17	101		12	
ENDRIN ALDEHYDE #2	17	17	37	106	30	0	16	93		17	103		10	
ENODOSULFAN SULFATE #2	17	17	60	113	30	0	15	92		17	102		11	
METHOXYCHLOR #2	17	17	68	126	30	0	15	93		18	105		13	
ENDRIN KETONE #2	17	17	78	117	30	0	16	95		18	106		10	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
LCS/LCSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

PESTICIDE SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67494-6
Spike: 67494-6,MS
Spike duplicate: 67494-6,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
HEXACHLOROBENZENE	17	17	60	140	25	0	9	50	*	13	74		40	*
A-BHC	17	17	63	110	30	0	10	59	*	15	88		39	*
G-BHC	17	17	67	118	30	0	11	61	*	16	90		39	*
B-BHC	17	17	66	116	30	0	10	60	*	15	86		36	*
D-BHC	17	17	55	114	30	0	11	62		16	93		41	*
HEPTACHLOR	17	17	64	115	30	0	9	53	*	14	79		40	*
ALDRIN	17	17	68	115	30	0	10	59	*	15	86		39	*
HEPTACHLOR EPOXIDE	17	17	69	117	30	0	10	59	*	15	87		40	*
G-CHLORDANE	17	17	69	112	30	0	43	252	*	86	499	*	67	*
A-CHLORDANE	17	17	70	113	30	0	10	59	*	15	88		40	*
ENDOSULFAN I	17	17	73	117	30	0	10	61	*	15	89		39	*
4,4-DDE	17	17	70	115	30	0	10	61	*	16	91		39	*
DIELDRIN	17	17	71	116	30	0	11	62	*	16	94		42	*
ENDRIN	17	17	79	122	30	0	10	60	*	15	88		39	*
4,4-DDD	17	17	61	116	30	0	10	60	*	16	90		41	*
ENDOSULFAN II	17	17	65	125	30	0	11	61	*	15	89		38	*
4,4-DDT	17	17	72	125	30	0	11	66	*	17	97		40	*
ENDRIN ALDEHYDE	17	17	35	127	30	0	10	60		15	88		39	*
ENODOSULFAN SULFATE	17	17	46	128	30	0	11	61		16	90		39	*
METHOXYCHLOR	17	17	62	140	30	0	13	73		17	101		33	*
ENDRIN KETONE	17	17	70	123	30	0	11	66	*	17	100		41	*
HEXACHLOROBENZENE #2	17	17	60	140	25	0	9	51	*	13	77		41	*
A-BHC #2	17	17	68	110	30	0	11	62	*	16	93		40	*
G-BHC #2	17	17	71	116	30	0	11	63	*	16	94		41	*
B-BHC #2	17	17	76	120	30	0	11	64	*	16	93		38	*
D-BHC #2	17	17	58	116	30	0	11	62		16	94		41	*
HEPTACHLOR #2	17	17	68	110	30	0	10	60	*	16	90		41	*
ALDRIN #2	17	17	67	108	30	0	11	63	*	16	93		39	*
HEPTACHLOR EPOXIDE #2	17	17	70	111	30	0	10	59	*	15	88		40	*
G-CHLORDANE #2	17	17	67	109	30	0	10	56	*	14	83		40	*
A-CHLORDANE #2	17	17	71	111	30	0	10	58	*	15	84		38	*
ENDOSULFAN I #2	17	17	71	112	30	0	10	56	*	14	83		39	*
4,4-DDE #2	17	17	68	112	30	0	11	66	*	17	98		40	*
DIELDRIN #2	17	17	70	108	30	0	10	58	*	15	86		40	*
ENDRIN #2	17	17	75	116	30	0	10	61	*	16	91		40	*
4,4-DDD #2	17	17	68	115	30	0	12	68	*	18	104		43	*
ENDOSULFAN II #2	17	17	64	113	30	0	10	60	*	15	88		39	*
4,4-DDT #2	17	17	69	121	30	0	11	64	*	17	98		42	*
ENDRIN ALDEHYDE #2	17	17	37	106	30	0	10	59		16	91		43	*
ENODOSULFAN SULFATE #2	17	17	60	113	30	0	10	56	*	14	83		39	*
METHOXYCHLOR #2	17	17	68	126	30	0	10	61	*	16	90		39	*
ENDRIN KETONE #2	17	17	78	117	30	0	11	64	*	17	97		42	*

— int.

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: ↑ Rpd due to ↓ MS recovery. L/CD OK.

JW 8.16.10

58/100

PESTICIDE FORM 3

analytics environmental laboratory LLC 072610-L

PEST/PCB/HERB
Instrument L
Sequence Log Book

Load: JW
Unload: JW

Data File	Vial #	Sample	Method	Comments	Final Vol.
		W-L-072610-1-JW	PT071910.m		
L18545-49	100	Hexane	CT071910.m		
50	1	P5440 PEM	PCB071310.m	↓DDT both col's (16%)	
51	2	P5429 PEST 30 ug/mL			
	3	P5441 C/T 0.25/0.5 ug/mL			
L	4	P5414 16/60 0.25 ug/mL			
L18564-73	100	Hexane			
74	1	P5440 PEM			
75C	2	P5429 PEST 30 ug/mL			
76C	3	P5441 C/T 0.25/0.5 ug/mL			
77C	4	P5415 16/60 0.25 ug/mL			
78C	5	P5404 AR1260 0.5 ug/mL			
79	100	Hexane			
80	2	P5321 PEST 2.5	PT072610	✓(1) ✓	
81	3	P5322 PEST 5		✓(2) ✓	
82	4	P5323 PEST 10		✓(3) ✓	
83	5	P5324 PEST 20		✓(4) ✓	
84	6	P5429 PEST 30		✓(5) ✓	
85	7	P5430 PEST 50		✓(6) ✓	
86	8	P5325 PEST 100		✓(7) ✓	
87	9	P5326 PEST 150		✓(8) ✓	
88	10	P5413 PEST ICV 50		✓	
89	11	P5336 C/T 0.01/0.02	CT072610	✓	
90	12	P5337 C/T 0.025/0.05		✓	
91	13	P5338 C/T 0.05/0.1		✓	
92	14	P5339 C/T 0.1/0.2		✓	
93	15	P5441 C/T 0.25/0.5		✓	
94	16	P5438 C/T 0.5/1.0		✓	
95	17	P5342 C/T 1/2		✓	
96	18	P5427 C/T CC 0.5/1.0		✓	
97	19	P5443 16/60 0.02	PCB072610	✓(2)	
98	20	P5444 16/60 0.05		✓(3)	
99	21	P5445 16/60 0.1		✓(4)	
L18600	22	P5447 16/60 0.25		✓(5)	
01	23	P5448 16/60 0.5		✓(6)	
02	24	P5403 16/60 0.75		✓(7)	
03	25	P5416 16/60 1.0		✓(8)	
04	26	P5446 16/60 2.0		✓(9)	
05	27	P5417 16/60 ~~1.0~~ 0.8 CC		✓	
06	28	P5315 1221 1.0		Single PT	
07	29	P5418 1232 1.0		↓	

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uL sample +1000 uL hexane

Hexane Lot :

MTBE Lot:

080410-L

analytics environmental laboratory LLC

PEST/PCB/HERB
Instrument L
Sequence Log Book

Load: ACR
Unload: MJ

Data File	Vial #	Sample	Method	Comments	Final Vol.
L18690-692	100	Hexane			
693	1	PS440 PEM	PST080410.M		
694	2	PS429 PST 30	PCBS080410M		NA
95	3	PS430 C/T 0.5/1.0		Recalibrate	
96	4	PS448 16/60 0.5			
97	100	Hexane Idle			
98SI	2	PS321 Pest 2.5			
99SI	3	PS322 5.0		✓	
700SI	4	PS323 10		✓	
701SI	5	PS324 20		✓	
702SI	6	PS429 30		✓	
703SI	7	PS430 50		✓	
704SI	8	PS325 100		✓	
705SI	9	PS326 150		✓	
706SI	10	PS413 PST ICV 50		✓	
707	11	PS438 C/T 0.5/1.0		✓	
708SI	12	PS442 16/60 0.01		Single PT	
709SI	13	PS443 0.02		✓	
710SI	14	PS444 0.05		✓	
711SI	15	PS445 0.1		✓	
712SI	16	PS447 0.25		✓	
713SI	17	PS448 0.5		✓	
714SI	18	PS403 0.75		✓	
715SI	19	PS416 1.0		Concentrate rod + rod	
716SI	20	PS446 2.0			
717	21	PS417 16/60 ICV 0.5		✓	
718	22	PS315 1221 1.0		✓	
719	23	PS418 1232 1.0		Single PT	
720	24	PS431 1242 1.0			
721	25	PS319 1248 1.0			
722	26	PS450 1254 1.0			
723	27	PS419 1262 1.0		✓	
724	28	PS364 1268 1.0			
725B	29	B080310PAS			
726Q	30	LOB0310PAS+			5.0
727Q	31	LDOB0310PAST			
728	32	67368-2, 1:10			
729	33	67368-2, DL 1:5		RR 1:20	
730	34	67368-2			
731	35	67368-3 SCRN		all over cut	
732	36	67368-3-1 SCRN			

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsan

ane Lot :

E Lot:

Analytics environmental laboratory LLC

081510.L

PEST/PCB/HERB
Instrument L
Sequence Log Book

Load: JW
Unload: JW

Data File	Vial #	Sample	Method	Comments	Final Vol.
		W-L-081510-1-JW	PT080410		
L18970-73	100	Hexane	CT080710		
74	6	P5440 PEM		✓	
75SC	7	P5429 PEST 30 ug/ML		✓	
76SC	8	P5438 C/T 0.5/1.0		✓ #11167 tox #2 allor	
77B	11	B081110PAS		✓	
78Q	12	LO081110PAST		✓	
79Q	13	LDO081110PAST		✓	
80B	14	B081310PW		✓	
81Q	15	LO081310PWT		✓	
82Q	16	LDO081310PWT		✓	
83	17	67487-20		✓	
84	18	67383-11,, 25x		✓ confirms straight run	
85	19	-10,, 10x		✓	
86	20	-9,, 25x		✓	
87	21	67368-2,, 20x		✓	
88	22	67487-1		✓	
89	23	-4		✓	
90	24	-7		✓	
91	25	-9		✓	
92SC	8	P5438 C/T 0.5/1.0		✓	
93SC	7	P5429 PEST 30		✓	
94	6	P5440 PEM		✓	
96B	11	B081110PAS, RR		✓	
97	26	67494-6		✓	
98SP	27	-6, MS		✓ ↑Col. RPD. L/LD OK. See memo.	
99SP	28	-6, MSD		✓	
L19000	29	67487-11		✓	
01	30	-13		✓	
02	31	-15		✓	
03	32	-17		✓	
04SC	8	P5438 C/T 0.5/1.0		✓	
05SC	7	P5429 PEST 30		✓	
06	6	P5440 PEM		✓	

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uL sample + 1000 uL hexane

Hexane Lot : 1005313

MTBE Lot:

Data File Name **L18687.D**
Date Acquired **8/4/2010 18:19**
Sample Name **P5440 PEM**

58.410

Name	Target Response	% BREAKDOWN	MAX 20%
4,4-DDT	239264903.2	4%	OK
4,4-DDE	2767803.78		
4,4-DDD	7902704.193		
ENDRIN	288226571.5	5%	OK
ENDRIN ALDEHYDE	9225990.623		
ENDRIN KETONE	5453907.159		
4,4-DDT #2	456910752.2	3%	OK
4,4-DDE #2	3318731.073		
4,4-DDD #2	13204209.29		
ENDRIN #2	534499896.4	4%	OK
ENDRIN ALDEHYDE #2	11240629.97		
ENDRIN KETONE #2	8538904.242		

JOM
8/9/10

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 6:19 pm
Operator : MG
Sample : P5440 PEM
Misc :
ALS Vial : 1 Sample Multiplier: 1

58410

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 04 18:33:14 2010
Quant Method : C:\msdchem\1\METHODS\PT072710.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 01 17:40:22 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	2.042	1.743	43553	316925	0.010	0.058	#
	Spiked Amount	100.000	Range	46 - 122	Recovery	=	0.01%#	0.06%#
23)	S DCB	6.271	5.467	161656	41366	0.051	0.009	#
	Spiked Amount	100.000	Range	40 - 135	Recovery	=	0.05%#	0.01%#
	Target Compounds							
2)	TM HEXACHLOR...	2.377	1.949	12031	1437469	0.002	0.186	#
3)	TM A-BHC	2.453	2.013	196926	465608	0.031	0.058	#
4)	TM G-BHC	2.722	2.200	199.2E6	311.3E6	33.954	42.359	
5)	TM B-BHC	2.812	2.200f	262132	311.3E6	0.098	97.830	#
6)	TM D-BHC	2.999	2.403	52449	71384	0.009	0.010	
7)	TM HEPTACHLOR	3.070	2.508	169.1E6	307.8E6	30.286	43.432	#
8)	TM ALDRIN	3.333	2.714	163.9E6	294.8E6	29.903	42.995	#
9)	TM HEPTACHLO...	3.804	3.142	33858	178143	0.006	0.028	#
10)	TM G-CHLORDANE	3.967	3.236	14534892	379846	5.027	0.059	#
11)	TM A-CHLORDANE	4.099	3.332	31564	215489	0.006	0.035	#
12)	TM ENDOSULFAN I	4.140	3.477	15826	513462	0.003	0.082	#
13)	TM 4,4-DDE	4.206	3.403	2767804	3318731	0.532	0.564	
14)	TM DIELDRIN	4.351	3.619	303.1E6	559.7E6	58.167	84.803	#
15)	TM ENDRIN	4.610	3.796	288.2E6	534.5E6	63.890	90.637	#
16)	TM 4,4-DDD	4.701	3.867	7902704	13204209	1.862	2.499	#
17)	TM ENDOSULFA...	4.813	4.085f	670790	456.9E6	0.148	78.747	#
18)	TM 4,4-DDT	4.950	4.085	239.3E6	456.9E6	55.276	81.074	#
19)	TM ENDRIN AL...	5.048	4.308	9225991	11240630	2.746	2.542	
20)	TM ENODOSULF...	5.267	4.655	184247	209896	0.050	0.043	
21)	TM METHOXYCHLOR	5.428	4.539	45166	160437	0.023	0.057	#
22)	TM ENDRIN KE...	5.588	4.877	5453907	8538904	1.314	1.440	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

8/9/10

Data File Name **L18693.D**
Date Acquired **8/4/2010 20:00**
Sample Name **P5440 PEM**

8/5/10

Name	Target Response	% BREAKDOWN	MAX 20%
4,4-DDT	254061300.9	3%	OK
4,4-DDE	1693842.672		
4,4-DDD	4915182.758		
ENDRIN	300684639	3%	OK
ENDRIN ALDEHYDE	3562963.164		
ENDRIN KETONE	7154322.083		
4,4-DDT #2	462015257.9	3%	OK
4,4-DDE #2	3535496.11		
4,4-DDD #2	10982997.44		
ENDRIN #2	526751689.8	2%	OK
ENDRIN ALDEHYDE #2	3938336.524		
ENDRIN KETONE #2	7191025.393		

✓ 8510

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18693.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 8:00 pm
Operator : MG
Sample : P5440 PEM
Misc :
ALS Vial : 1 Sample Multiplier: 1

PM 8/5/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 03:10:15 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 05 03:08:47 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds									
1)	S	TCX	2.029	1.696	67513	-31054	0.488	0.879	#
Spiked Amount			100.000	Range	46 - 122	Recovery	=	0.49%#	0.88%#
Target Compounds									
2)	TM	HEXACHLOR...	2.359	1.945	122069	9181118	0.128	1.809	#
3)	TM	A-BHC	2.451	2.005	299535	491509	1.595	1.675	
4)	TM	G-BHC	2.721	2.198	198.2E6	297.1E6	45.956	48.395	
5)	TM	B-BHC	2.819	2.198	69099	297.1E6	N.D.	116.885	
6)	TM	D-BHC	2.976	2.375	86148	255580	1.509	1.663	
7)	TM	HEPTACHLOR	3.070	2.506	174.3E6	301.2E6	46.366	49.390	
8)	TM	ALDRIN	3.333	2.712	164.3E6	281.7E6	46.747	49.239	
9)	TM	HEPTACHLO...	3.800	3.141	170505	188064	N.D.	0.738	
10)	TM	G-CHLORDANE	3.967	3.239	61341213	453220	14.425	1.225	#
11)	TM	A-CHLORDANE	4.088	3.321	935203	1246872	0.082	1.153	#
13)	TM	4,4-DDE	4.206	3.400	1693843	3535496	0.672	3.336	#
14)	TM	DIELDRIN	4.352	3.618	306.6E6	537.4E6	89.740	94.727	
15)	TM	ENDRIN	4.611	3.796	300.7E6	526.8E6	95.823	100.659	
16)	TM	4,4-DDD	4.698	3.865	4915183	10982997	1.640	4.118	#
17)	TM	ENDOSULFA...	4.803	3.957	1871024	4921610	0.008	1.457	#
18)	TM	4,4-DDT	4.950	4.082	254.1E6	462.0E6	88.720	93.732	
19)	TM	ENDRIN AL...	5.049	4.306	3562963	3938337	0.290	0.761	#
20)	TM	ENODOSULF...	5.212	4.662	2958596	1963317	N.D.	1.055	
22)	TM	ENDRIN KE...	5.586	4.876	7154322	7191025	2.282	1.727	

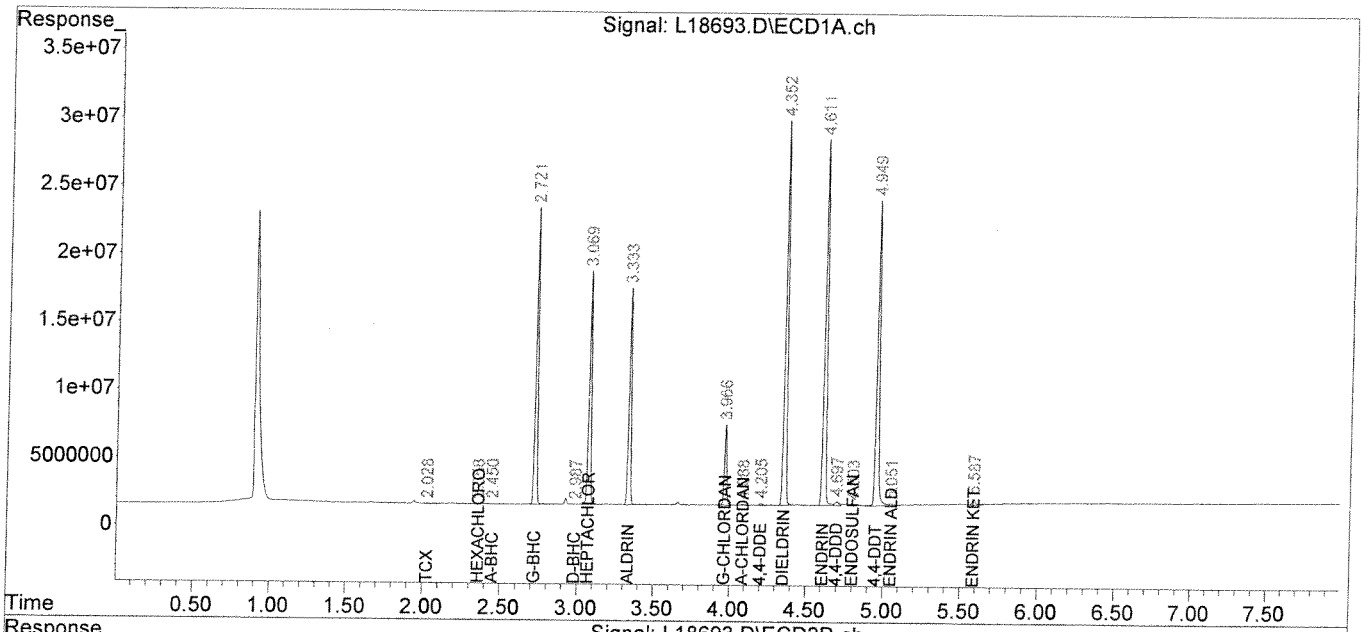
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

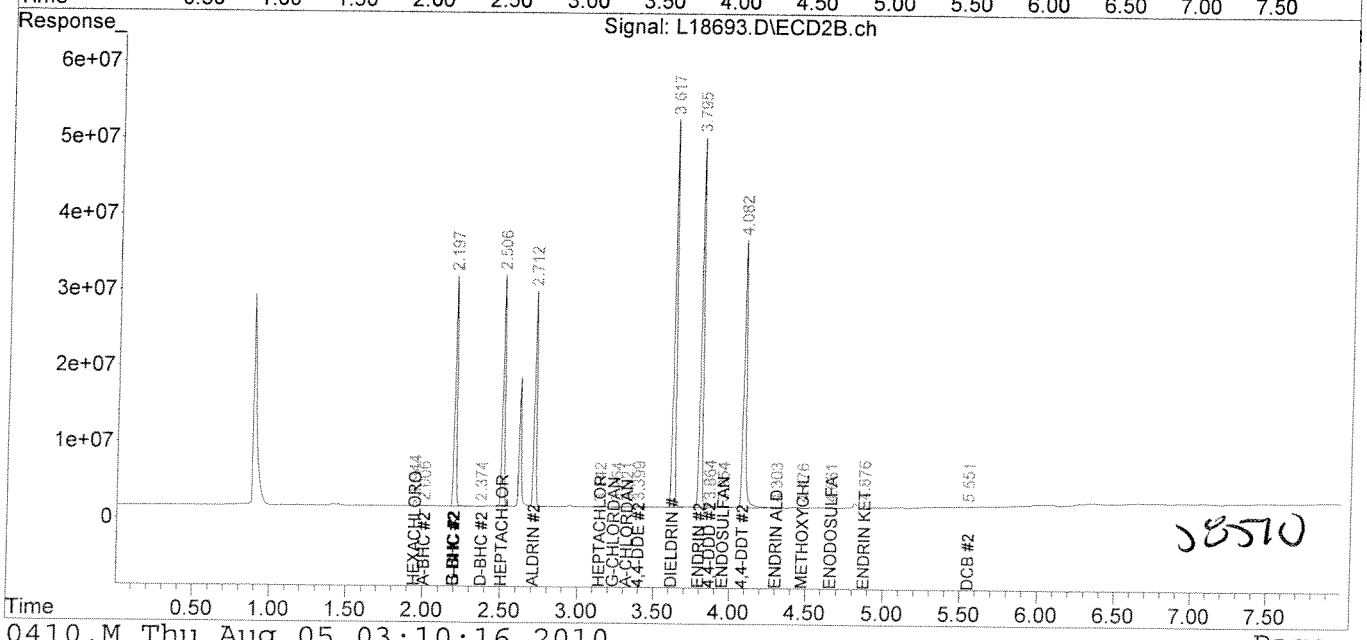
8570

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18693.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 8:00 pm
Operator : MG
Sample : P5440 PEM
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 03:10:15 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 05 03:08:47 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





JS 8/5/10

Data File Name **L18974.D**
Date Acquired **8/15/2010 10:44**
Sample Name **P5440 PEM**

JW 8.15.10

Name	Target Response	% BREAKDOWN	MAX 20%
4,4-DDT	266235258	3%	OK
4,4-DDE	1903222.896		
4,4-DDD	7630419.973		
ENDRIN	317156497.7	5%	OK
ENDRIN ALDEHYDE	11368535.62		
ENDRIN KETONE	6629857.059		
4,4-DDT #2	469949478.7	2%	OK
4,4-DDE #2	3204717.247		
4,4-DDD #2	8551737.151		
ENDRIN #2	545181258.9	3%	OK
ENDRIN ALDEHYDE #2	9773133.093		
ENDRIN KETONE #2	8984488.493		

✓581610

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18974.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 10:44 am
Operator : SMC
Sample : P5440 PEM
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 10:54:22 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 12 02:28:29 2010
Response via : Initial Calibration
Integrator: ChemStation

J9-2310 Reprinted

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

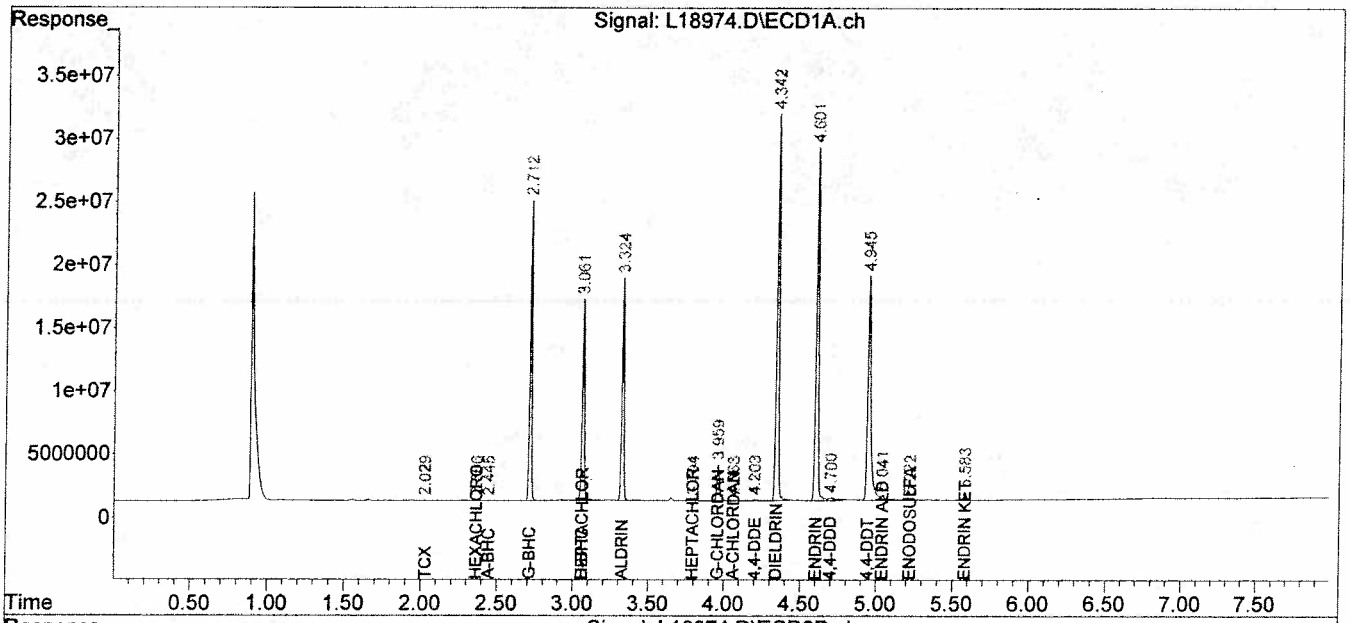
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	2.020	1.697	82066	285145	0.794	0.961	
	Spiked Amount	100.000	Range	46 - 122	Recovery	=	0.79%#	0.96%#
	Target Compounds							
2	TM HEXACHLOR...	2.359	1.941	104207	2535828	0.404	0.506	#
3)	TM A-BHC	2.445	1.997	161325	534331	1.812	1.775	
4)	TM G-BHC	2.713	2.189	214.7E6	323.7E6	49.841	52.653	
5)	TM B-BHC	2.837	2.189	45884	323.7E6	N.D.	127.387	
6)	TM D-BHC	3.061	2.350	166.9E6	401457	39.665	1.615	#
7)	TM HEPTACHLOR	3.061	2.497	166.9E6	308.9E6	44.546	50.640	
8)	TM ALDRIN	3.324	2.703	179.4E6	310.4E6	51.157	54.211	
9)	TM HEPTACHLO...	3.794	3.135	29963	88914	0.047	0.711	#
10)	TM G-CHLORDANE	3.959	3.226	34451762	378353	6.666	1.150	#
11)	TM A-CHLORDANE	4.063	3.323	163360	171941	0.021	0.951	#
12)	TM ENDOSULFAN I	4.147	3.402	15666	3204717	N.D.	0.811	
13)	TM 4,4-DDE	4.203	3.402	1903223	3204717	0.967	2.605	#
14)	TM DIELDRIN	4.343	3.608	336.5E6	572.6E6	98.590	100.812	
15)	TM ENDRIN	4.602	3.785	317.2E6	545.2E6	101.090	104.064	
16)	TM 4,4-DDD	4.700	3.868	7630420	8551737	2.415	2.982	
18)	TM 4,4-DDT	4.945	4.079	266.2E6	469.9E6	93.182	95.371	
19)	TM ENDRIN AL...	5.042	4.298	11368536	9773133	4.180	2.449	#
20)	TM ENODOSULF...	5.222	4.621	1812904	264543	0.131	0.613	#
22)	TM ENDRIN KE...	5.583	4.868	6629857	8984488	2.349	2.140	

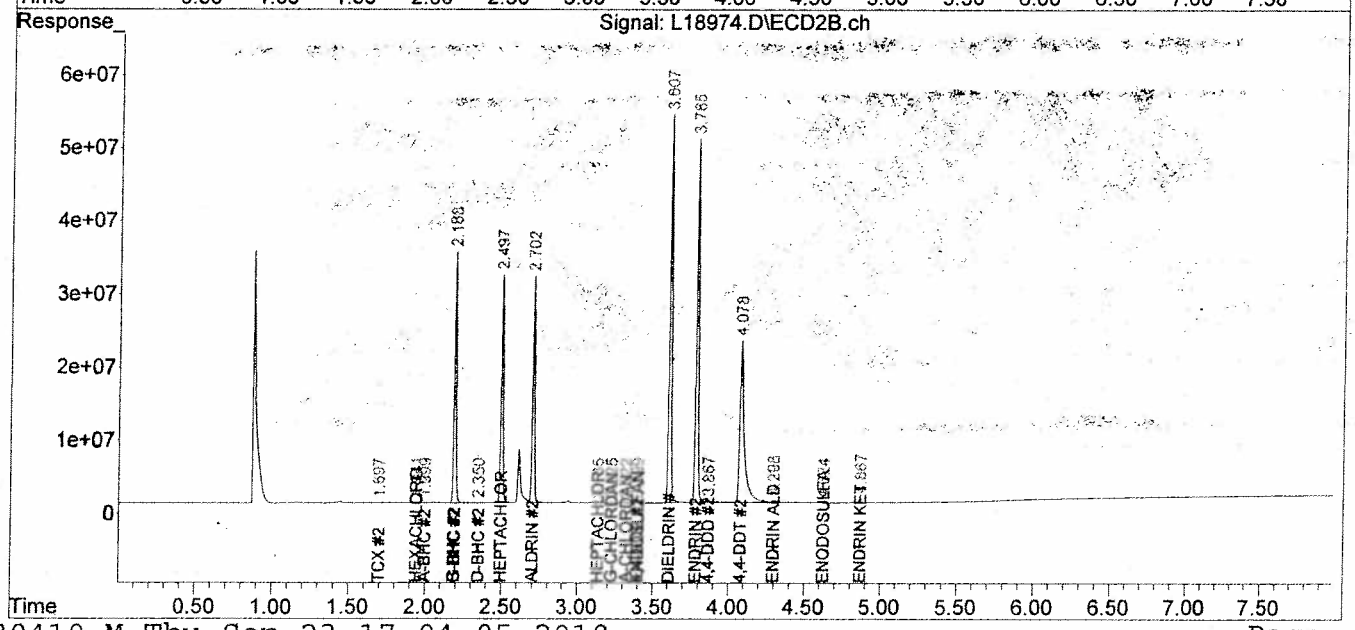
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18974.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 10:44 am
Operator : SMC
Sample : P5440 PEM
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 10:54:22 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 12 02:28:29 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Data File Name **L18994.D**
Date Acquired **8/15/2010 14:10**
Sample Name **P5440 PEM**

Name	Target Response	% BREAKDOWN	MAX 20%
4,4-DDT	262882252.6	5%	OK
4,4-DDE	1295526.95		
4,4-DDD	13148176.28		
ENDRIN	323166851.9	4%	OK
ENDRIN ALDEHYDE	8335900.138		
ENDRIN KETONE	6729525.294		
4,4-DDT #2	463083699.2	4%	OK
4,4-DDE #2	1720440.184		
4,4-DDD #2	18882351.96		
ENDRIN #2	550228039.8	3%	OK
ENDRIN ALDEHYDE #2	8483292.703		
ENDRIN KETONE #2	9258980.689		

JW 8.16.10

✓ 58170

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 2:10 pm
Operator : SMC
Sample : P5440 PEM
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 15:23:45 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	2.011	1.689	184511	231089	0.826	0.949	
	Spiked Amount 100.000	Range	46 - 122	Recovery	=	0.83%#	0.95%#	
	Target Compounds							
2)	TM HEXACHLOR...	2.365	1.898	89104	105118	0.400	0.018	#
3)	TM A-BHC	2.445	1.996	269232	388354	1.834	1.754	
4)	TM G-BHC	2.713	2.189	217.6E6	326.0E6	50.496	53.013	
5)	TM B-BHC	2.713	2.189	217.6E6	326.0E6	120.023	128.280	
6)	TM D-BHC	3.061	2.356	174.8E6	573384	41.469	1.642	#
7)	TM HEPTACHLOR	3.061	2.497	174.8E6	313.7E6	46.633	51.415	
8)	TM ALDRIN	3.324	2.702	182.6E6	304.5E6	52.063	53.201	
9)	TM HEPTACHLO...	3.780	3.129	96537	64961	0.067	0.707	#
10)	TM G-CHLORDANE	3.959	3.224	9805888	361099	N.D.	1.147	
11)	TM A-CHLORDANE	4.063	3.325	231581	316727	0.043	0.978	#
12)	TM ENDOSULFAN I	4.159	3.395	60486	1720440	N.D.	0.543	
13)	TM 4,4-DDE	4.199	3.395	1295527	1720440	0.780	2.296	#
14)	TM DIELDRIN	4.343	3.607	340.8E6	576.1E6	99.858	101.430	
15)	TM ENDRIN	4.601	3.785	323.2E6	550.2E6	103.005	105.021	
16)	TM 4,4-DDD	4.695	3.868	13148176	18882352	4.437	5.385	
17)	TM ENDOSULFA...	4.781	3.868f	2026272	18882352	0.162	4.245	#
18)	TM 4,4-DDT	4.944	4.076	262.9E6	463.1E6	92.009	93.988	
19)	TM ENDRIN AL...	5.041	4.296	8335900	8483293	2.793	2.098	
20)	TM ENODOSULF...	5.211	4.592	1601516	713370	0.051	0.716	#
22)	TM ENDRIN KE...	5.583	4.867	6729525	9258981	2.381	2.191	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

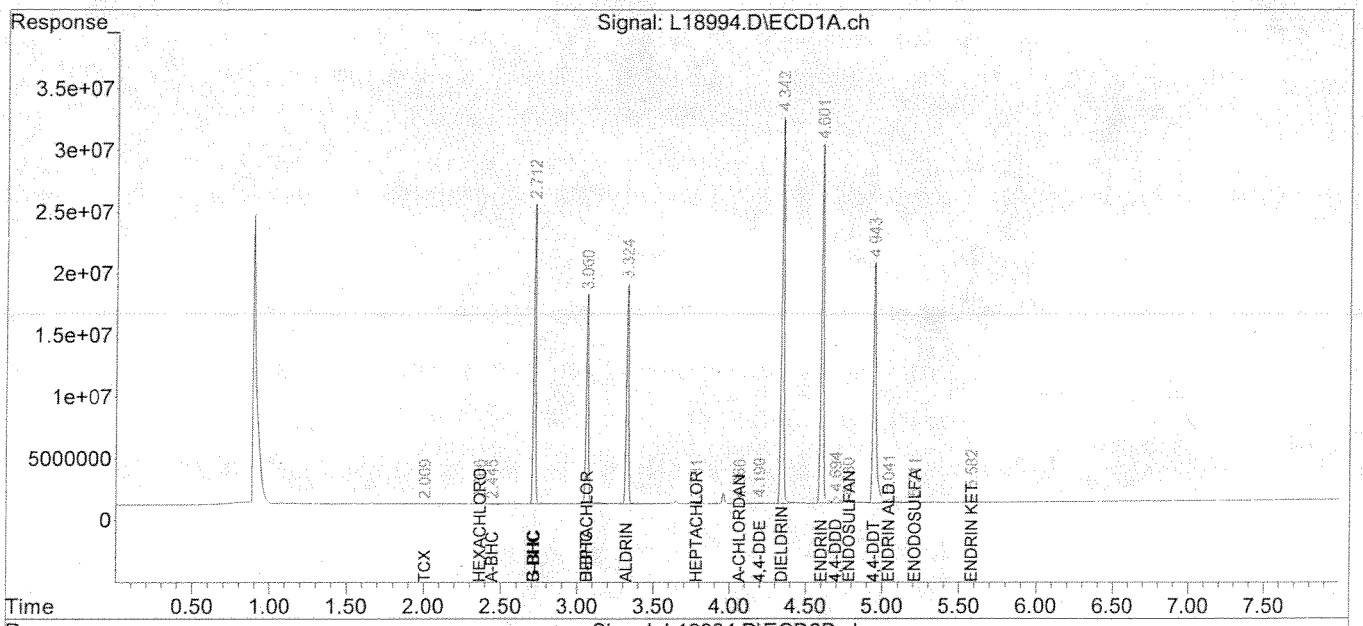
JL 8.17.10

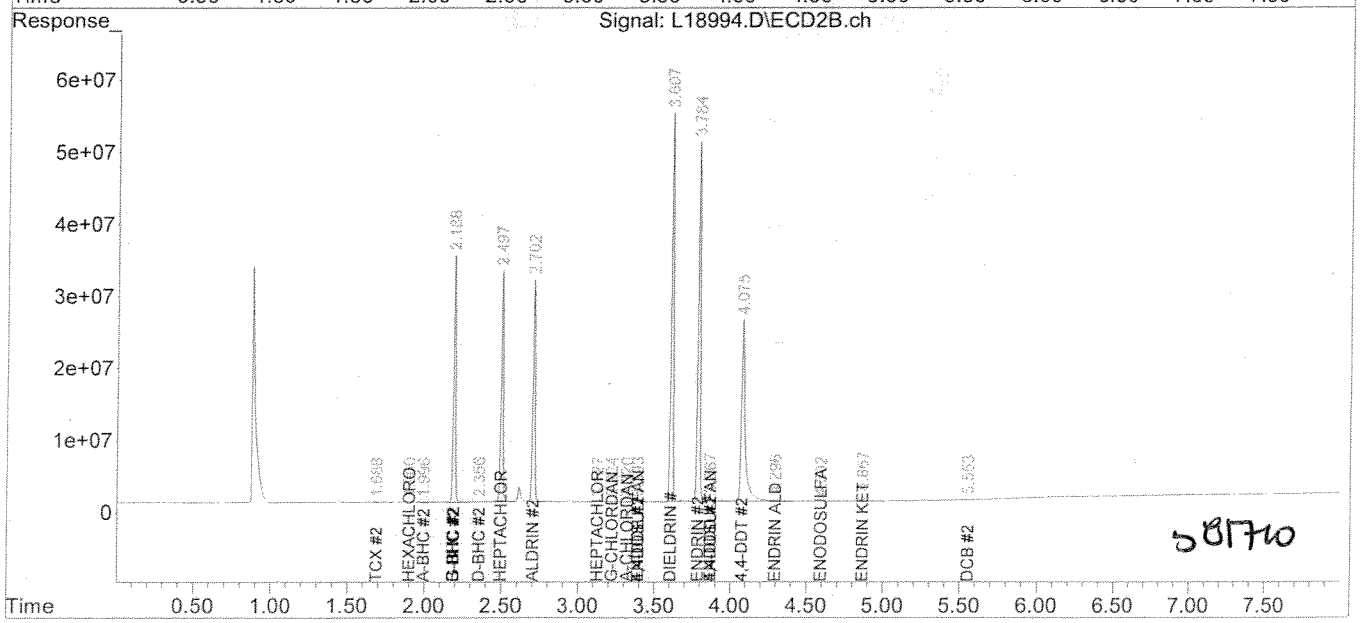
Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 2:10 pm
Operator : SMC
Sample : P5440 PEM
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 15:23:45 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





58710

Data File Name **L19006.D**
Date Acquired **8/15/2010 16:03**
Sample Name **P5440 PEM**

Name	Target Response	% BREAKDOWN	MAX 20%
4,4-DDT	269105328.8	5%	OK
4,4-DDE	1280308.733		
4,4-DDD	11771675.97		
ENDRIN	326794028.7	4%	OK
ENDRIN ALDEHYDE	5624113.905		
ENDRIN KETONE	6952613.325		
4,4-DDT #2	474343618	3%	OK
4,4-DDE #2	1494845.914		
4,4-DDD #2	14372900.75		
ENDRIN #2	557526539.1	3%	OK
ENDRIN ALDEHYDE #2	7161686.171		
ENDRIN KETONE #2	8754010.039		

JC 8.16.10

√081610

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L19006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 4:03 pm
Operator : SMC
Sample : P5440 PEM
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 18:17:02 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JU 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
1) S TCX	2.025	1.698	286509	767068	0.857	1.067	
Spiked Amount	100.000	Range	46 - 122	Recovery	=	0.86%#	1.07%#
Target Compounds							
2) TM HEXACHLOR...	2.353	1.906	201000	297762	0.431	0.056	#
3) TM A-BHC	2.443	1.998	346829	728977	1.850	1.802	
4) TM G-BHC	2.712	2.188	217.1E6	324.4E6	50.382	52.749	
5) TM B-BHC	2.771	2.241	935174	2043958	0.264	1.196	#
6) TM D-BHC	3.005	2.358	843174	1371701	1.793	1.769	
7) TM HEPTACHLOR	3.060	2.496	177.0E6	317.1E6	47.210	51.957	
8) TM ALDRIN	3.323	2.702	181.9E6	309.0E6	51.867	53.965	
9) TM HEPTACHLO...	3.784	3.132	241340	486400	0.111	0.784	#
10) TM G-CHLORDANE	3.958	3.225	64333147	823330	15.649	1.230	#
11) TM A-CHLORDANE	4.061	3.322	387444	592721	0.092	1.029	#
12) TM ENDOSULFAN I	4.113	3.423	197506	661439	N.D.	0.351	
13) TM 4,4-DDE	4.197	3.392	1280309	1494846	0.775	2.249	#
14) TM DIELDRIN	4.342	3.606	342.5E6	580.2E6	100.338	102.141	
15) TM ENDRIN	4.601	3.784	326.8E6	557.5E6	104.160	106.404	
16) TM 4,4-DDD	4.692	3.861	11771676	14372901	3.932	4.336	
17) TM ENDOSULFA...	4.780	3.959	2291063	2450696	0.250	0.904	#
18) TM 4,4-DDT	4.942	4.073	269.1E6	474.3E6	94.186	96.256	
19) TM ENDRIN AL...	5.040	4.295	5624114	7161686	1.552	1.739	
20) TM ENODOSULF...	5.235	4.646	1014204	939152	N.D.	0.768	
22) TM ENDRIN KE...	5.582	4.865	6952613	8754010	2.452	2.096	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

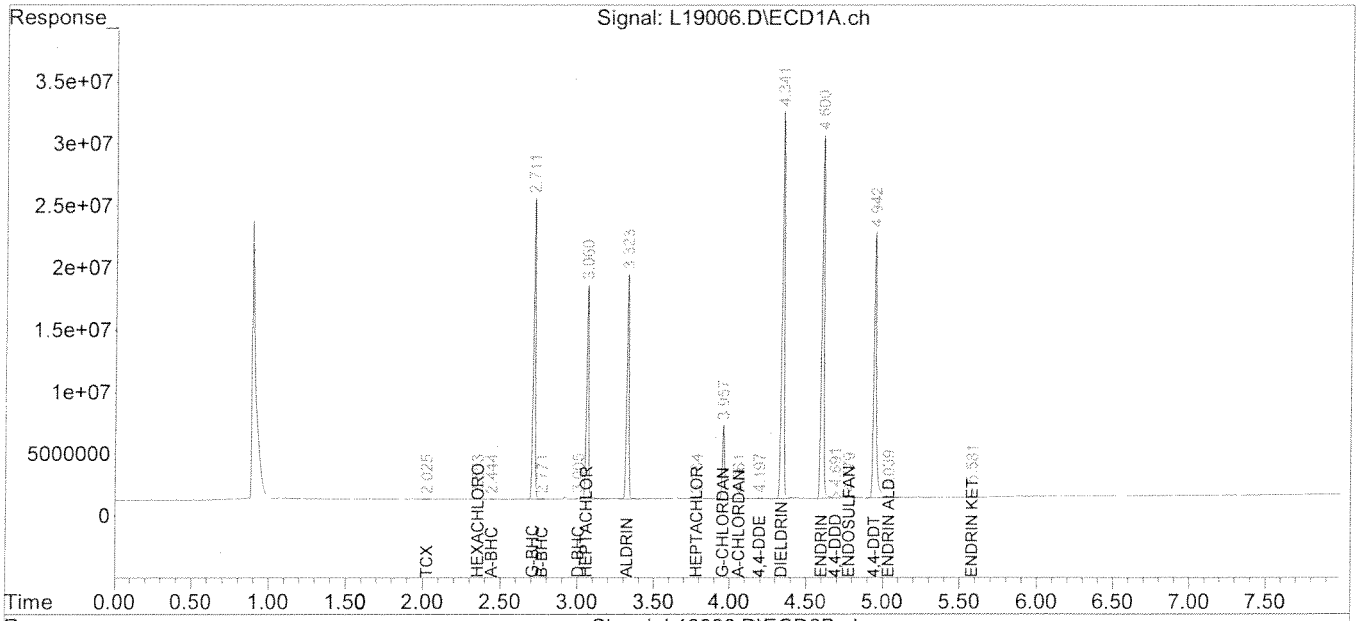
081610

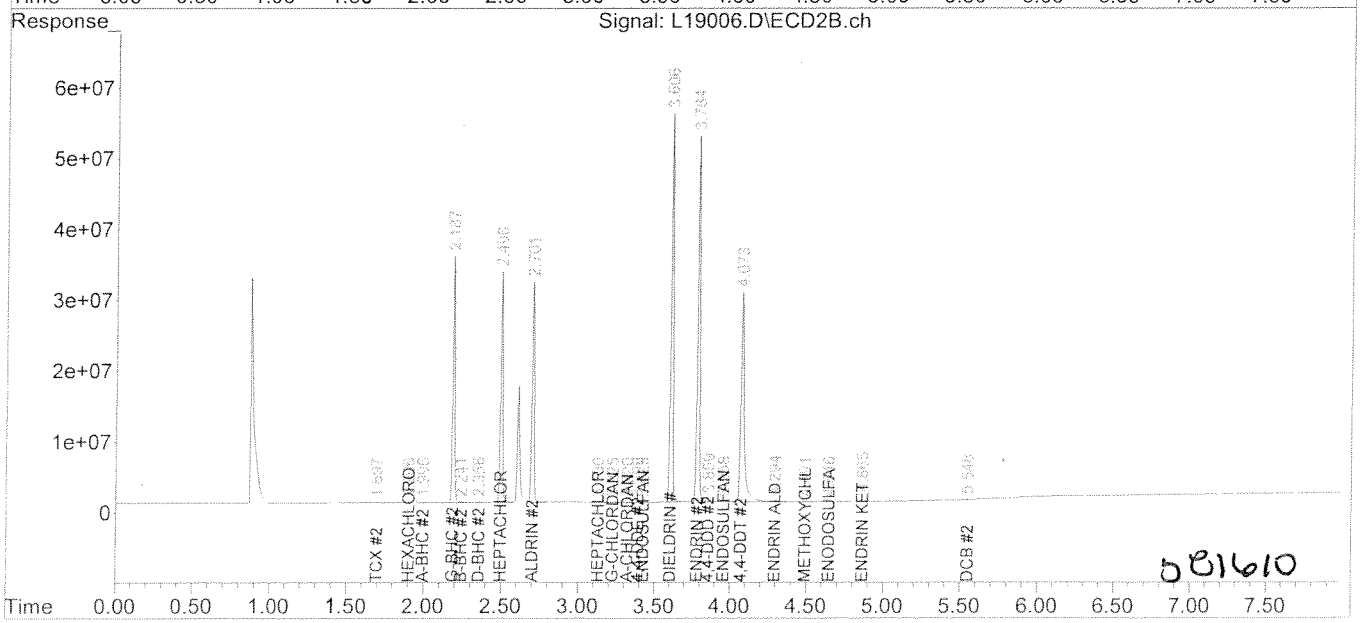
Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L19006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 4:03 pm
Operator : SMC
Sample : P5440 PEM
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 18:17:02 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 8-16-10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





081610

Acq. Method File C:\msdchem\1\METHODS\CT072610.M
Level 1 File Name L18589SI.D
Level 2 File Name L18590SI.D
Level 3 File Name L18591SI.D
Level 4 File Name L18592SI.D
Level 5 File Name L18593SI.D
Level 6 File Name L18594SI.D
Level 7 File Name L18595SI.D

7/31/10

Response= X + YA + Z(A*A)

Name	Calibration Fit	X	Y	Z	R^2	R
Chlordane-1	0	1.14E+06	1.89E+08	0.00E-01	1.000	1.000
Chlordane-2	0	-1.87E+05	2.44E+08	0.00E-01	0.999	1.000
Chlordane-3	0	3.77E+05	2.01E+08	0.00E-01	1.000	1.000
Chlordane-4	0	-3.62E+06	2.39E+08	0.00E-01	0.999	0.999
G-Chlordane	0	-3.65E+06	6.18E+08	0.00E-01	0.999	0.999
A-Chlordane	0	-6.44E+06	5.81E+08	0.00E-01	0.998	0.999
Toxaphene-1	0	-2.65E+06	8.02E+07	0.00E-01	0.999	0.999
Toxaphene-2	0	-4.44E+06	1.37E+08	0.00E-01	0.999	0.999
Toxaphene-3	0	-2.87E+06	1.25E+08	0.00E-01	0.997	0.999
Toxaphene-4	0	-5.88E+06	2.25E+08	0.00E-01	0.998	0.999
Toxaphene-5	0	-5.41E+06	1.71E+08	0.00E-01	0.998	0.999
Toxaphene-6	0	-2.12E+06	1.26E+08	0.00E-01	0.997	0.998
Toxaphene-7	0	-8.00E+05	6.77E+07	0.00E-01	0.990	0.995
Chlordane-1 #2	0	8.62E+03	2.16E+08	0.00E-01	0.999	1.000
Chlordane-2 #2	0	-6.88E+05	3.07E+08	0.00E-01	0.999	1.000
Chlordane-3 #2	0	1.05E+06	2.31E+08	0.00E-01	0.999	1.000
Chlordane-4 #2	0	-3.03E+06	2.14E+08	0.00E-01	0.998	0.999
G-Chlordane #2	0	-6.10E+05	8.98E+08	0.00E-01	0.999	1.000
A-Chlordane #2	0	9.15E+05	1.32E+09	0.00E-01	0.999	1.000
Toxaphene-1 #2	0	-6.87E+05	1.00E+08	0.00E-01	0.999	1.000
Toxaphene-2 #2	0	-1.80E+06	1.28E+08	0.00E-01	0.999	1.000
Toxaphene-3 #2	0	-2.72E+06	2.76E+08	0.00E-01	0.999	1.000
Toxaphene-4 #2	0	-2.14E+06	2.41E+08	0.00E-01	0.999	1.000
Toxaphene-5 #2	0	-3.68E+06	2.16E+08	0.00E-01	0.999	1.000
Toxaphene-6 #2	0	-6.32E+06	2.27E+08	0.00E-01	0.998	0.999
Toxaphene-7 #2	0	-4.31E+06	1.94E+08	0.00E-01	0.999	0.999

ıear Regression=	0
Avg RF=	1
Quadratic=	3

08:04-0

CHLORDANE/TOXAPHENE
INITIAL CALIBRATION VERIFICATION

7/31/1

Instrument ID: L

GC Column #1: RTX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.25 mm

SDG:

Standard ID: P5427 C/T CC 0.5/1.0

Data File ID: L18596SI.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.531	106		0.539	108	
Toxaphene	1.138	114		1.055	106	

Lower Limit	Upper Limit
80	120

Column to be used to flag recovery values outside of QC limits

* Values outside QC limits

Comments: _____

08-07-11

CHLORDANE/TOXAPHENE FORM 7

Acq. Method File C:\msdchem\1\METHODS\PT080410.M
Level 1 File Name L18698SI.D
Level 2 File Name L18699SI.D
Level 3 File Name L18700SI.D
Level 4 File Name L18701SI.D
Level 5 File Name L18702SI.D
Level 6 File Name L18703SI.D
Level 7 File Name L18704SI.D
Level 8 File Name L18705SI.D

MV 8/5/10

Response= X + YA + Z(A*A)

Name	Calibration Fit	X	Y	Z	R^2	R
TCX	0	-1.52E+06	3.25E+06	0.00E-01	0.999	1.000
HEXACHLOROBENZENE	0	-3.34E+05	3.55E+06	0.00E-01	0.999	1.000
A-BHC	0	-7.58E+06	4.94E+06	0.00E-01	0.999	0.999
G-BHC	0	-5.65E+06	4.44E+06	0.00E-01	0.999	0.999
B-BHC	0	9.65E+05	1.81E+06	0.00E-01	1.000	1.000
D-BHC	0	-6.53E+06	4.38E+06	0.00E-01	0.999	0.999
HEPTACHLOR	0	-1.25E+06	3.79E+06	0.00E-01	0.999	1.000
ALDRIN	0	-8.90E+05	3.53E+06	0.00E-01	0.999	1.000
HEPTACHLOR EPOXIDE	0	5.16E+05	3.31E+06	0.00E-01	0.999	1.000
G-CHLORDANE	0	1.34E+07	3.32E+06	0.00E-01	0.993	0.997
A-CHLORDANE	0	6.75E+05	3.17E+06	0.00E-01	0.999	1.000
ENDOSULFAN I	0	1.36E+06	2.95E+06	0.00E-01	1.000	1.000
4,4-DDE	0	-4.93E+05	3.26E+06	0.00E-01	0.999	1.000
DIELDRIN	0	-4.52E+05	3.42E+06	0.00E-01	0.999	1.000
ENDRIN	0	-9.04E+04	3.14E+06	0.00E-01	0.999	1.000
4,4-DDD	0	4.32E+05	2.73E+06	0.00E-01	0.999	1.000
ENDOSULFAN II	0	1.85E+06	3.01E+06	0.00E-01	1.000	1.000
4,4-DDT	0	8.68E+05	2.85E+06	0.00E-01	0.999	0.999
ENDRIN ALDEHYDE	0	2.93E+06	2.18E+06	0.00E-01	1.000	1.000
ENODOSULFAN SULFATE	0	4.37E+06	2.62E+06	0.00E-01	0.999	1.000
METHOXYCHLOR	0	4.10E+06	1.40E+06	0.00E-01	0.999	0.999
ENDRIN KETONE	0	-1.16E+04	3.14E+06	0.00E-01	0.999	1.000
DCB	0	3.14E+06	1.88E+06	0.00E-01	0.999	1.000
TCX #2	0	-4.01E+06	4.52E+06	0.00E-01	0.999	1.000
HEXACHLOROBENZENE #2	0	1.67E+05	4.98E+06	0.00E-01	0.999	1.000
A-BHC #2	0	-1.13E+07	7.05E+06	0.00E-01	0.999	1.000
G-BHC #2	0	-8.94E+06	6.32E+06	0.00E-01	0.999	1.000
B-BHC #2	0	-7.69E+05	2.55E+06	0.00E-01	0.999	1.000
D-BHC #2	0	-1.02E+07	6.29E+06	0.00E-01	0.999	1.000
HEPTACHLOR #2	0	-5.78E+06	6.22E+06	0.00E-01	0.999	1.000
ALDRIN #2	0	-5.40E+06	5.83E+06	0.00E-01	0.999	1.000
HEPTACHLOR EPOXIDE #2	0	-3.81E+06	5.43E+06	0.00E-01	0.999	1.000
G-CHLORDANE #2	0	-6.37E+06	5.57E+06	0.00E-01	0.999	1.000
A-CHLORDANE #2	0	-5.00E+06	5.41E+06	0.00E-01	0.999	1.000
ENDOSULFAN I #2	0	1.13E+06	5.52E+06	0.00E-01	0.999	1.000
4,4-DDE #2	0	-1.25E+07	4.81E+06	0.00E-01	0.998	0.999
DIELDRIN #2	0	-6.45E+06	5.74E+06	0.00E-01	0.999	1.000
ENDRIN #2	0	-4.73E+06	5.28E+06	0.00E-01	0.999	1.000
4,4-DDD #2	0	-6.77E+06	4.31E+06	0.00E-01	0.999	0.999
ENDOSULFAN II #2	0	-2.25E+06	4.92E+06	0.00E-01	0.999	1.000
4,4-DDT #2	0	-3.20E+06	4.96E+06	0.00E-01	0.999	0.999
ENDRIN ALDEHYDE #2	0	1.14E+06	3.68E+06	0.00E-01	1.000	1.000
ENODOSULFAN SULFATE #2	0	-2.65E+06	4.37E+06	0.00E-01	0.999	1.000
METHOXYCHLOR #2	0	8.47E+05	2.51E+06	0.00E-01	1.000	1.000
ENDRIN KETONE #2	0	-1.96E+06	5.30E+06	0.00E-01	1.000	1.000
DCB #2	0	-2.36E+04	3.83E+06	0.00E-01	1.000	1.000

Linear Regression= 0
Avg RF= 1
Quadratic= 3

J 8510

PEST ICV

Data File Name L18706.D
Date Acquired 8/4/2010 23:27
Sample Name P5413 PEST 50 ICV

Name	Ret Time	Expected Ret Time	RT Difference	Window	RT Pass	Amount	Recovery	80%-120% Recovery Pass
TCX	2.0330	2.0330	0.0000	0.0020	OK	49.38	99%	OK
HEXACHLOROBENZENE	2.3612	2.3620	0.0008	0.0029	OK	55.18	110%	OK
A-BHC	2.4518	2.4520	0.0002	0.0029	OK	52.26	105%	OK
G-BHC	2.7199	2.7200	0.0002	0.0029	OK	52.30	105%	OK
B-BHC	2.7794	2.7800	0.0006	0.0036	OK	54.15	108%	OK
D-BHC	3.0133	3.0140	0.0007	0.0041	OK	52.25	104%	OK
HEPTACHLOR	3.0682	3.0690	0.0008	0.0041	OK	52.84	106%	OK
ALDRIN	3.3314	3.3320	0.0006	0.0048	OK	51.82	104%	OK
HEPTACHLOR EPOXIDE	3.7925	3.7930	0.0005	0.0043	OK	52.23	104%	OK
G-CHLORDANE	3.9507	3.9510	0.0003	0.0051	OK	49.86	100%	OK
A-CHLORDANE	4.0700	4.0710	0.0010	0.0063	OK	51.93	104%	OK
ENDOSULFAN I	4.1214	4.1220	0.0006	0.0063	OK	54.66	109%	OK
4,4-DDE	4.2039	4.2050	0.0011	0.0071	OK	53.07	106%	OK
DIELDRIN	4.3505	4.3510	0.0005	0.0089	OK	51.96	104%	OK
ENDRIN	4.6093	4.6100	0.0008	0.0119	OK	53.35	107%	OK
4,4-DDD	4.6971	4.6980	0.0009	0.0131	OK	53.18	106%	OK
ENDOSULFAN II	4.7885	4.7890	0.0005	0.0140	OK	53.34	107%	OK
4,4-DDT	4.9495	4.9500	0.0005	0.0161	OK	52.20	104%	OK
ENDRIN ALDEHYDE	5.0475	5.0480	0.0005	0.0176	OK	56.82	114%	OK
ENODOSULFAN SULFATE	5.2419	5.2420	0.0001	0.0196	OK	53.04	106%	OK
METHOXYCHLOR	5.4224	5.4230	0.0006	0.0208	OK	55.38	111%	OK
ENDRIN KETONE	5.5878	5.5880	0.0002	0.0210	OK	56.00	112%	OK
DCB	6.2595	6.2600	0.0005	0.0256	OK	46.80	94%	OK
TCX #2	1.7073	1.7080	0.0007	0.0102	OK	48.66	97%	OK
HEXACHLOROBENZENE #2	1.9153	1.9160	0.0007	0.0128	OK	54.29	109%	OK
A-BHC #2	2.0077	2.0080	0.0003	0.0128	OK	52.10	104%	OK
G-BHC #2	2.1971	2.1970	0.0001	0.0143	OK	52.35	105%	OK
B-BHC #2	2.2504	2.2510	0.0006	0.0149	OK	53.80	108%	OK
D-BHC #2	2.3669	2.3670	0.0001	0.0153	OK	52.44	105%	OK
HEPTACHLOR #2	2.5058	2.5060	0.0002	0.0159	OK	52.26	105%	OK
ALDRIN #2	2.7118	2.7120	0.0002	0.0165	OK	51.33	103%	OK
HEPTACHLOR EPOXIDE #2	3.1420	3.1420	0.0000	0.0178	OK	51.64	103%	OK
G-CHLORDANE #2	3.2359	3.2360	0.0002	0.0179	OK	51.50	103%	OK
A-CHLORDANE #2	3.3334	3.3340	0.0006	0.0182	OK	51.29	103%	OK
ENDOSULFAN I #2	3.4348	3.4350	0.0002	0.0186	OK	53.92	108%	OK
4,4-DDE #2	3.3986	3.3990	0.0004	0.0192	OK	50.53	101%	OK
DIELDRIN #2	3.6170	3.6170	0.0000	0.0187	OK	50.64	101%	OK
ENDRIN #2	3.7947	3.7950	0.0003	0.0185	OK	52.56	105%	OK
4,4-DDD #2	3.8661	3.8670	0.0009	0.0177	OK	51.29	103%	OK
ENDOSULFAN II #2	3.9717	3.9720	0.0003	0.0156	OK	52.57	105%	OK
4,4-DDT #2	4.0832	4.0840	0.0008	0.0159	OK	51.60	103%	OK
ENDRIN ALDEHYDE #2	4.3047	4.3050	0.0003	0.0169	OK	55.51	111%	OK
ENODOSULFAN SULFATE #2	4.6562	4.6570	0.0008	0.0189	OK	53.02	106%	OK
METHOXYCHLOR #2	4.4921	4.4920	0.0001	0.0178	OK	54.22	108%	OK
ENDRIN KETONE #2	4.8754	4.8750	0.0004	0.0205	OK	54.81	110%	OK
DCB #2	5.5531	5.5530	0.0000	0.0268	OK	45.72	91%	OK

PESTICIDE
CONTINUING CALIBRATION

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5429 PEST 30
Data File ID: L18975SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Recovery	#
TCX	29	98	
HEXACHLOROBENZENE	29	98	
A-BHC	29	97	
G-BHC	29	97	
B-BHC	29	98	
D-BHC	29	96	
HEPTACHLOR	26	86	
ALDRIN	30	99	
HEPTACHLOR EPOXIDE	30	99	
G-CHLORDANE	26	85	
A-CHLORDANE	29	98	
ENDOSULFAN I	30	99	
4,4-DDE	29	97	
DIELDRIN	30	99	
ENDRIN	29	96	
4,4-DDD	29	96	
ENDOSULFAN II	31	103	
4,4-DDT	29	96	
ENDRIN ALDEHYDE	30	100	
ENODOSULFAN SULFATE	31	102	
METHOXYCHLOR	31	104	
ENDRIN KETONE	31	102	
DCB	32	106	
TCX #2	31	103	
HEXACHLOROBENZENE #2	31	103	
A-BHC #2	30	101	
G-BHC #2	30	101	
B-BHC #2	31	103	
D-BHC #2	30	101	
HEPTACHLOR #2	29	96	
ALDRIN #2	30	100	
HEPTACHLOR EPOXIDE #2	30	100	
G-CHLORDANE #2	29	98	
A-CHLORDANE #2	30	99	
ENDOSULFAN I #2	32	107	
4,4-DDE #2	26	86	
DIELDRIN #2	29	97	
ENDRIN #2	29	97	
4,4-DDD #2	27	89	
ENDOSULFAN II #2	30	102	
4,4-DDT #2	29	95	
ENDRIN ALDEHYDE #2	30	101	
ENODOSULFAN SULFATE #2	30	100	
METHOXYCHLOR #2	30	99	
ENDRIN KETONE #2	30	100	
DCB #2	31	104	

Column #1
Average: 98

Column #2
Average: 99

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

PESTICIDE FORM 7

CHLORDANE/TOXAPHENE
CONTINUING CALIBRATION

Instrument ID: L
GC Column #1: RTX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: RTX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5438 C/T 0.5/1.0
Data File ID: L18976SC.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.548	110		0.522	104	
Toxaphene	1.156	116	✓	1.021	102	

Lower Limit	Upper Limit
85	115
DOD MCP 80	120

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

CHLORDANE/TOXAPHENE
CONTINUING CALIBRATION

Instrument ID: L
GC Column #1: RTX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: RTX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5438 C/T 0.5/1.0
Data File ID: L18992SC.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.564	113		0.528	106	
Toxaphene	1.134	113		1.022	102	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

PESTICIDE
CONTINUING CALIBRATION

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5429 PEST 30
Data File ID: L18993SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Recovery	#
TCX	30	99	
HEXACHLOROBENZENE	30	99	
A-BHC	30	99	
G-BHC	30	98	
B-BHC	30	100	
D-BHC	30	100	
HEPTACHLOR	27	91	
ALDRIN	30	100	
HEPTACHLOR EPOXIDE	30	100	
G-CHLORDANE	28	92	
A-CHLORDANE	30	100	
ENDOSULFAN I	30	101	
4,4-DDE	30	99	
DIELDRIN	30	100	
ENDRIN	30	99	
4,4-DDD	31	102	
ENDOSULFAN II	31	102	
4,4-DDT	28	94	
ENDRIN ALDEHYDE	30	101	
ENODOSULFAN SULFATE	32	106	
METHOXYCHLOR	31	104	
ENDRIN KETONE	32	107	
DCB	32	107	
TCX #2	31	104	
HEXACHLOROBENZENE #2	32	105	
A-BHC #2	31	103	
G-BHC #2	31	103	
B-BHC #2	31	105	
D-BHC #2	31	104	
HEPTACHLOR #2	30	99	
ALDRIN #2	31	102	
HEPTACHLOR EPOXIDE #2	31	102	
G-CHLORDANE #2	30	101	
A-CHLORDANE #2	30	101	
ENDOSULFAN I #2	31	103	
4,4-DDE #2	29	97	
DIELDRIN #2	30	100	
ENDRIN #2	30	100	
4,4-DDD #2	30	100	
ENDOSULFAN II #2	31	102	
4,4-DDT #2	28	93	
ENDRIN ALDEHYDE #2	30	100	
ENODOSULFAN SULFATE #2	31	104	
METHOXYCHLOR #2	30	101	
ENDRIN KETONE #2	31	105	
DCB #2	31	104	

Column #1
Average: 100

Column #2
Average: 102

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

PESTICIDE FORM 7

CHLORDANE/TOXAPHENE
CONTINUING CALIBRATION

Instrument ID: L
GC Column #1: RTX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: RTX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5438 C/T 0.5/1.0
Data File ID: L19004SC.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.555	111		0.523	105	
Toxaphene	1.110	111		1.001	100	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

CHLORDANE/TOXAPHENE FORM 7

PESTICIDE
CONTINUING CALIBRATION

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5429 PEST 30
Data File ID: L19005SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Recovery	#
TCX	30	100	
HEXACHLOROBENZENE	30	99	
A-BHC	29	98	
G-BHC	29	98	
B-BHC	30	100	
D-BHC	30	100	
HEPTACHLOR	28	92	
ALDRIN	30	100	
HEPTACHLOR EPOXIDE	30	100	
G-CHLORDANE	30	99	
A-CHLORDANE	30	100	
ENDOSULFAN I	30	101	
4,4-DDE	30	99	
DIELDRIN	30	100	
ENDRIN	30	99	
4,4-DDD	30	101	
ENDOSULFAN II	30	101	
4,4-DDT	28	94	
ENDRIN ALDEHYDE	30	99	
ENODOSULFAN SULFATE	30	101	
METHOXYCHLOR	31	103	
ENDRIN KETONE	31	103	
DCB	32	106	
TCX #2	32	105	
HEXACHLOROBENZENE #2	32	105	
A-BHC #2	31	103	
G-BHC #2	31	103	
B-BHC #2	31	105	
D-BHC #2	31	105	
HEPTACHLOR #2	30	100	
ALDRIN #2	31	102	
HEPTACHLOR EPOXIDE #2	31	102	
G-CHLORDANE #2	30	101	
A-CHLORDANE #2	31	102	
ENDOSULFAN I #2	30	101	
4,4-DDE #2	30	100	
DIELDRIN #2	30	100	
ENDRIN #2	30	101	
4,4-DDD #2	30	101	
ENDOSULFAN II #2	31	102	
4,4-DDT #2	29	95	
ENDRIN ALDEHYDE #2	30	100	
ENODOSULFAN SULFATE #2	31	104	
METHOXYCHLOR #2	30	101	
ENDRIN KETONE #2	31	105	
DCB #2	31	104	

Column #1
Average: 100

Column #2
Average: 102

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

PESTICIDE FORM 7

PESTICIDE
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5429 PEST 30	L18975SC.D	8/15/2010 10:54	2.03		6.26		1.70		5.55	
Upper Limit			2.09		6.29		1.76		5.58	
Lower limit			1.97		6.23		1.64		5.52	
SAMPLE ID										
B081110PAS	L18977B.D	8/15/2010 11:15	2.03		6.25		1.70		5.55	
L081110PAST	L18978Q.D	8/15/2010 11:25	2.03		6.25		1.70		5.54	
LD081110PAST	L18979Q.D	8/15/2010 11:35	2.03		6.25		1.70		5.54	
67487-9	L18991.D	8/15/2010 13:39	2.03		6.25		1.70		5.54	
P5429 PEST 30	L18993SC.D	8/15/2010 13:59	2.03		6.25		1.70		5.55	
B081110PAS,RR	L18996B.D	8/15/2010 14:20	2.03		6.25		1.70		5.54	
67494-6	L18997.D	8/15/2010 14:30	2.03		6.25		1.70		5.54	
67494-6,MS	L18998SP.D	8/15/2010 14:41	2.03		6.25		1.70		5.54	
67494-6,MSD	L18999SP.D	8/15/2010 14:51	2.03		6.25		1.70		5.54	
P5429 PEST 30	L19005SC.D	8/15/2010 15:53	2.02		6.25		1.70		5.54	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-60273-2

SDG Number: 67494

Job Description: NASOWEY

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
8/22/2010 1:31 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
08/22/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

Comments
No additional comments.

Receipt
The Chain-of-Custody (COC) was not properly filled out. Sample dates and times were provided upon lab receipt.

All other samples were received in good condition within temperature requirements.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010B	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury (CVAA)	TAL SAV	SW846 7471A	
Preparation, Mercury	TAL SAV		SW846 7471A
Percent Moisture	TAL SAV	EPA Moisture	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Method	Analyst	Analyst ID
SW846 6010B	Bland, Brian	BCB
SW846 7471A	Eaton, Cliff	CE
EPA Moisture	Morgan, Harriet	HM

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-60273-6	67494-5 FDS-6	Solid	08/10/2010 1450	08/12/2010 0850
680-60273-7	67494-6 FDS-5	Solid	08/10/2010 1350	08/12/2010 0850

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Client Sample ID: **67494-5 FDS-6**

Lab Sample ID: 680-60273-6
Client Matrix: Solid
% Moisture: 11.6

Date Sampled: 08/10/2010 1450
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-177640		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-177400		Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Date Analyzed:	08/19/2010 0344			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4700		10	21
Antimony		0.54	U	0.54	2.1
Arsenic		1.6	J	0.61	2.1
Barium		15		0.31	1.0
Beryllium		0.45		0.021	0.41
Cadmium		0.10	U	0.10	0.51
Calcium		1200		21	51
Chromium		5.6		0.51	1.0
Cobalt		2.7		0.12	1.0
Copper		5.2		1.1	2.6
Iron		8600		7.2	21
Lead		5.5		0.54	1.0
Magnesium		1800		2.5	51
Manganese		130		0.31	1.0
Nickel		3.9	J	0.32	4.1
Potassium		360		8.2	100
Selenium		1.0	U	1.0	2.6
Silver		0.099	U	0.099	1.0
Sodium		84	U	84	210
Thallium		1.0	U	1.0	2.6
Vanadium		13		0.25	1.0
Zinc		25		1.2	2.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 680-177825		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-177671		Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	08/21/2010 1354			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0096	J	0.0089	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Client Sample ID: **67494-6 FDS-5**

Lab Sample ID: 680-60273-7
Client Matrix: Solid
% Moisture: 8.4

Date Sampled: 08/10/2010 1350
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-177640		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-177400		Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Date Analyzed:	08/19/2010 0350			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5600	J	10	20
Antimony		0.54	U	0.54	2.0
Arsenic		1.5	J	0.60	2.0
Barium		14		0.31	1.0
Beryllium		0.30	J	0.020	0.41
Cadmium		0.10	U	0.10	0.51
Calcium		1100	J	20	51
Chromium		6.4		0.51	1.0
Cobalt		3.4		0.12	1.0
Copper		6.9		1.1	2.6
Iron		9200	J	7.1	20
Lead		12		0.54	1.0
Magnesium		1800	J	2.4	51
Manganese		150	J	0.31	1.0
Nickel		5.2		0.32	4.1
Potassium		300		8.2	100
Selenium		1.0	U	1.0	2.6
Silver		0.098	U	0.098	1.0
Sodium		84	U	84	200
Thallium		1.0	U	1.0	2.6
Vanadium		13		0.24	1.0
Zinc		24		1.2	2.0

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 680-177825		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-177671		Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	08/21/2010 1357			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	J	0.0086	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

General Chemistry

Client Sample ID: **67494-5 FDS-6**

Lab Sample ID: 680-60273-6
Client Matrix: Solid

Date Sampled: 08/10/2010 1450
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

General Chemistry

Client Sample ID: **67494-6 FDS-5**

Lab Sample ID: 680-60273-7
Client Matrix: Solid

Date Sampled: 08/10/2010 1350
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.4		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947 DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	U	Undetected at the Limit of Detection.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Method Blank - Batch: 680-177400

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 680-177400/20-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/19/2010 0153
Date Prepared: 08/17/2010 1021

Analysis Batch: 680-177640
Prep Batch: 680-177400
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 081810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Aluminum	10	U	10	20
Antimony	0.53	U	0.53	2.0
Arsenic	0.59	U	0.59	2.0
Barium	0.30	U	0.30	1.0
Beryllium	0.020	U	0.020	0.40
Cadmium	0.10	U	0.10	0.50
Calcium	20	U	20	50
Chromium	0.50	U	0.50	1.0
Cobalt	0.121	J	0.12	1.0
Copper	1.1	U	1.1	2.5
Iron	7.0	U	7.0	20
Lead	0.53	U	0.53	1.0
Magnesium	2.4	U	2.4	50
Manganese	0.30	U	0.30	1.0
Nickel	0.31	U	0.31	4.0
Potassium	8.0	U	8.0	100
Selenium	1.0	U	1.0	2.5
Silver	0.096	U	0.096	1.0
Sodium	82	U	82	200
Thallium	0.99	U	0.99	2.5
Vanadium	0.24	U	0.24	1.0
Zinc	1.2	U	1.2	2.0

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Lab Control Sample - Batch: 680-177400

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 680-177400/21-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/19/2010 0158
Date Prepared: 08/17/2010 1021

Analysis Batch: 680-177640
Prep Batch: 680-177400
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 081810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	214	107	75 - 125	
Antimony	50.0	52.4	105	75 - 125	
Arsenic	200	211	105	75 - 125	
Barium	200	216	108	75 - 125	
Beryllium	5.00	5.29	106	75 - 125	
Cadmium	5.00	5.30	106	75 - 125	
Calcium	500	541	108	75 - 125	
Chromium	20.0	21.5	107	75 - 125	
Cobalt	50.0	54.0	108	75 - 125	
Copper	25.0	26.9	108	75 - 125	
Iron	100	109	109	75 - 125	
Lead	50.0	53.8	108	75 - 125	
Magnesium	500	549	110	75 - 125	
Manganese	50.0	54.6	109	75 - 125	
Nickel	50.0	53.7	107	75 - 125	
Potassium	500	533	107	75 - 125	
Selenium	200	210	105	75 - 125	
Silver	5.00	5.37	107	75 - 125	
Sodium	500	534	107	75 - 125	
Thallium	200	219	109	75 - 125	
Vanadium	50.0	55.4	111	75 - 125	
Zinc	50.0	55.2	110	75 - 125	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-177400

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	680-60273-7	Analysis Batch:	680-177640	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-177400	Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Date Analyzed:	08/19/2010 0406			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

MSD Lab Sample ID:	680-60273-7	Analysis Batch:	680-177640	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-177400	Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Date Analyzed:	08/19/2010 0411			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	901	679	75 - 125	6	20	4	4
Antimony	91	82	75 - 125	10	20		
Arsenic	102	101	75 - 125	1	20		
Barium	106	105	75 - 125	0	20		
Beryllium	104	103	75 - 125	1	20		
Cadmium	103	103	75 - 125	0	20		
Calcium	163	121	75 - 125	11	20	J	
Chromium	111	107	75 - 125	3	20		
Cobalt	106	105	75 - 125	1	20		
Copper	107	106	75 - 125	1	20		
Iron	1790	661	75 - 125	11	20	4	4
Lead	102	103	75 - 125	1	20		
Magnesium	235	127	75 - 125	20	20	J	J
Manganese	161	103	75 - 125	13	20	J	
Nickel	106	104	75 - 125	2	20		
Potassium	114	110	75 - 125	2	20		
Selenium	102	101	75 - 125	0	20		
Silver	107	104	75 - 125	2	20		
Sodium	103	106	75 - 125	2	20		
Thallium	105	105	75 - 125	0	20		
Vanadium	112	108	75 - 125	3	20		
Zinc	114	110	75 - 125	2	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Method Blank - Batch: 680-177671

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 680-177671/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/21/2010 1348
Date Prepared: 08/19/2010 1322

Analysis Batch: 680-177825
Prep Batch: 680-177671
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b082010c.chr
Initial Weight/Volume: 0.51 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0080	U	0.0080	0.020

Lab Control Sample - Batch: 680-177671

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 680-177671/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/20/2010 1510
Date Prepared: 08/19/2010 1322

Analysis Batch: 680-177825
Prep Batch: 680-177671
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b082010c.chr
Initial Weight/Volume: 0.54 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.231	0.265	115	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-177671

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 680-60144-B-1-E MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/20/2010 1516
Date Prepared: 08/19/2010 1322

Analysis Batch: 680-177825
Prep Batch: 680-177671

Instrument ID: LEEMAN1
Lab File ID: b082010c.chr
Initial Weight/Volume: 0.52 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-60144-B-1-F MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/20/2010 1519
Date Prepared: 08/19/2010 1322

Analysis Batch: 680-177825
Prep Batch: 680-177671

Instrument ID: LEEMAN1
Lab File ID: b082010c.chr
Initial Weight/Volume: 0.54 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	91	87	80 - 120	6	20		

EXTRACTION
LOGBOOK PAGES

Prep Home | All-Save | Select | Entry Loop | Print

Use the print button - it enters the transfer date

Transfer Date: 08/12/10

Initials: VH

EXTRACT TRANSFER SHEET

Extractable Petroleum

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
67470-1	EPHASE	08/11/10	Solid		15.39	2.0	58.53	
67470-2	EPHASE	08/11/10	Solid		15.57	2.0	81.34	
67470-3	EPHASE	08/11/10	Solid		15.52	2.0	47.45	
67470-4	EPHASE	08/11/10	Solid		15.68	2.0	77.25	
67470-5	EPHASE	08/11/10	Solid		15.42	2.0	68.74	
67470-6	EPHASE	08/11/10	Solid		15.72	2.0	77.95	
67487-2	EPHASE	08/11/10	Solid		15.59	2.0	91.49	
67487-3	EPHASE	08/11/10	Solid		15.71	2.0	91.90	
67487-5	EPHASE	08/11/10	Solid		15.67	2.0	91.06	
67487-8	EPHASE	08/11/10	Solid		15.18	2.0	92.04	
67433-2 RX	EPHASE	08/11/10	Solid		15.62	2.0	94.63	REX
67393-11	EPHASE	08/11/10	Solid		15.31	2.0	73.28	REX
67488-4	EPHASE	08/11/10	Solid		15.12	2.0		
67494-5	EPHASE	08/11/10	Solid		15.35	2.0		
67494-6	EPHASE	08/11/10	Solid		15.78	2.0		

JSW 8.12.10

VEB 8.12.10

Extractable Petroleum Hydrocarbons Solid Preparation Logbook

Circle Method Reference: SW-846 3550B Sonication
SW-846 3545 Accelerated Solvent Extraction (ASE)
MADEP-98-EPH

Date: 8·11·10 Time: 2:05pm
Initials: VH

QC Batch ID: Q-P-081110-2-VH
Prep. Batch ID: P-P-081110-2-VH

Sample #	Matrix	Weight (g)	(1) mL Surrogate	(2) mL Spike	Cook Down Date	Turbo Vap# (10mL)	(3) mL Frac. Sur	F.V Before Frac.in C6	Volumetric Serial #	Ali. Vol. C6	Volumetric Serial #	Aro. Vol. MeCl2	Volumetric Serial #	Fractiontion Date	Turbo Vap # ALI (1mL)	Turbo Vap # ARO
B081110EASE	Na_2SO_4	15.00	1.0EB	–	8.12.10 JU	4	1.0	10ml	1140	1mL JU	471	1mL JU	1680	8.12.10 JU	4	1
LO81110EASE	Si Sand	15.10	1.0	1.0EB			1.0									
LDO81110EASE	↓	15.47	1.0	1.0			1.0									
67470-1	mud	15.39	1.0	–			1.0									
-2		15.57	1.0	–			1.0									1
-3		15.52	1.0	–		↓	1.0								2	
-4		15.68	1.0	–		1	1.0									
-5		15.42	1.0	–			1.0									
-6	↓	15.72	1.0	–			1.0									
67487-2	Soil	15.59	1.0	–			1.0									
-3		15.71	1.0	–		↓	1.0									
-5		15.67	1.0	–		2	1.0								4	2
-5 MS		15.31	1.0	1.0EB			1.0									
-5 MSD		15.27	1.0	1.0			1.0									
-8	↓	15.18	1.0	–		↓	1.0									
67433-2 Rx	Sand	15.62	1.0	–		4	1.0									
67393-11 Rx	Soil	15.31	1.0	–			1.0									
67494-5		15.35	1.0	–			1.0									2
-6		15.78	1.0	–			1.0								2	
67488-4	Soil	15.12	1.0	–			1.0								1	

JU 8.12.10

JU 8.12

JEB 8.12.10

Rev 2 10/09/09

AEL_Documents:_TopLevelOldServer:AEL Documents LLC:logbooks:PREP LOGBOOKS.xls

[13]

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 08/12/10

Initials: SMC

EXTRACT TRANSFER SHEET

Organochlorine PST

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
67487-1	8081ASE	08/11/10	Solid		15.11	5.0	92.17	
67487-4	8081ASE	08/11/10	Solid		15.05	5.0	95.21	
67487-7	8081ASE	08/11/10	Solid		15.43	5.0	93.55	
67487-9	8081ASE	08/11/10	Solid		15.60	5.0	95.50	
67487-11	8081ASE	08/11/10	Solid		15.75	5.0	94.74	
67487-13	8081ASE	08/11/10	Solid		15.55	5.0	94.16	
67487-15	8081ASE	08/11/10	Solid		15.34	5.0	96.81	
67487-17	8081ASE	08/11/10	Solid		15.61	5.0	95.86	
67494-6	8081ASE	08/11/10	Solid		15.72	5.0		

VH 8.12.10
EB 8.12.10

analytics environmental laboratory LLC

Pesticide and PCB Solid and Waste Preparation Logbook

Method References: SW-846 3550B Sonication
SW-846 3545 Accelerated Solvent Extraction (ASE)
SW-846 3580 Concentrated Waste Dilution

Date: 8.11.10 Time: 7:40pm QC Batch ID: QP-081010-1-VH (PCB) QP-082110-1-SC (PP)
Initials: SC Prep. Batch ID: P-P 081110-1-SC
Reviewed by: JEB 8.12.10

Sample #	Matrix	Weight (g)	① mL Surr	mL Spike	Final Vol Hexane	Cook Down Date	TurboVap #	CleanUp
B081110PAS	Na_2SO_4	15.00	0.5	—	5.0mL	8.12.10	3	A/C
LO81110PASB	Si Sand	15.00	0.5	② 0.5		VH		⊥
LO81110PAST		15.01	0.5	③ 0.5				
LDO81110PAST		15.11	0.5	③ 0.5				
67500-1 PCB	Soil	15.47	0.5	—				A/C
67479-2,Rx		15.30	0.5	—				⊥
67487-1 PP	Sand	15.11	0.5	—				
-4		15.05	0.5	—				
-7		15.43	0.5	—				
-9		15.60	0.5	—				
-11		15.75	0.5	—				
-13		15.55	0.5	—				
-15		15.34	0.5	—				
-17		15.61	0.5	—				
67494-6	Soil	15.72	0.5	—				
-6,MS		15.89	0.5	③ 0.5				
-6,MSD		15.75	0.5	③ 0.5				

VH 8.12.10

5mL vol: 287

	Lot #	Exp. Date
Hexane:	1005313	7.19.15
Si Sand:	F16120357	1.13.15
Na_2SO_4:	L0310	5.21.15
Diatomaceous earth	—	—
Conc H2SO4	093330	5.17.15
Florisil Cartridge		

	Lot #	Exp Date	Syringe #
① PP Surrogate (1.0 ug/mL):	P5433	1.12.11	PS-048
② PCB MS (4.0 ug/mL):	P5457	2.4.11	PS-020
③ Pest Spike (500 ug/L):	P5291	9.19.10	PS-020

Balance: SC1-3
ASE: Ase-1
Sonicator: N/A

10/12/09 Rev 2

VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

Lab Sample ID: LB08120I
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 08/12/10

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	98 %	d8-Toluene	99 %	Bromofluorobenzen	95 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081210-I\I43280B.D
Acq On : 12 Aug 2010 8:21 pm
Sample : LB08120I
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 13:40 2010

Vial: 24
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 07:07:20 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	133856	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	220215 ✓	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	192950	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	91645	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	7.30	65	125463	19.59 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	97.95% ✓	
36) d4-1,2-Dichloroethane	7.30	65	125463	19.59 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	97.95% ✓	
54) d8-Toluene	10.24	98	237982	19.75 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.75% ✓	
73) Bromofluorobenzene	14.50	95	100511	18.96 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	94.80% ✓	

Target Compounds					Qvalue
14) Methyl iodide	3.58	142	7366 MT/MD	1.59 ug/L	98
16) Methylene Chloride	3.83	84	11794	Below Cal	93

ND

29.22

(#) = qualifier out of range (m) = manual integration
I43280B.D VS08120I.M

Quantitation Report

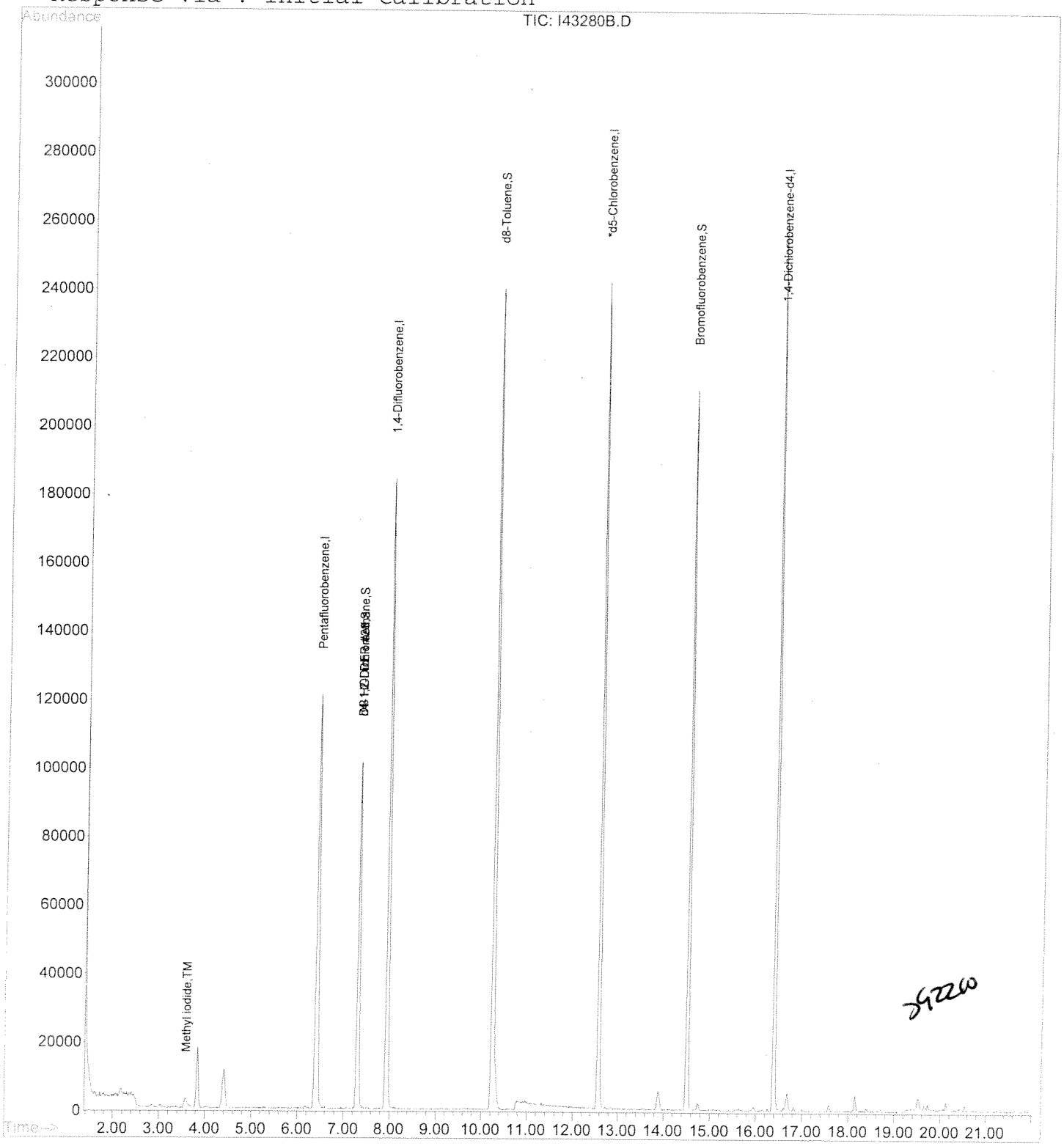
Data File : C:\HPCHEM\1\DATA\081210-I\I43280B.D
Acq On : 12 Aug 2010 8:21 pm
Sample : LB08120I
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 13:40 2010

Vial: 24
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

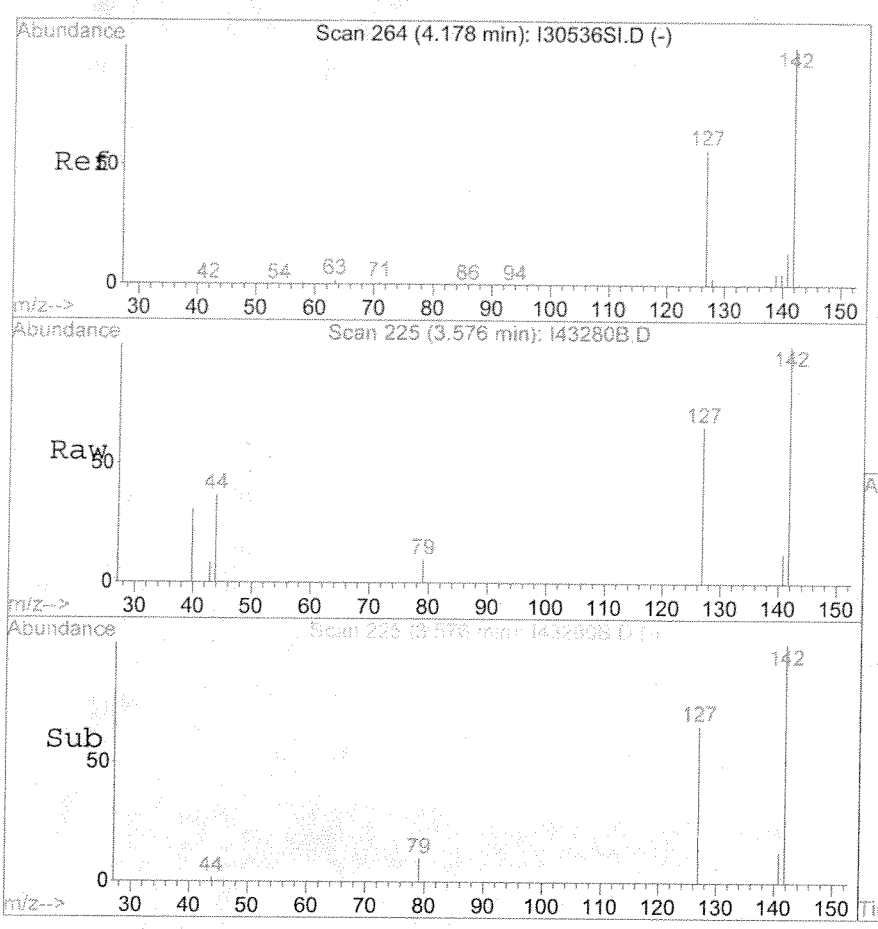
Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 07:07:20 2010
Response via : Initial Calibration

MT 8/13/10



59260

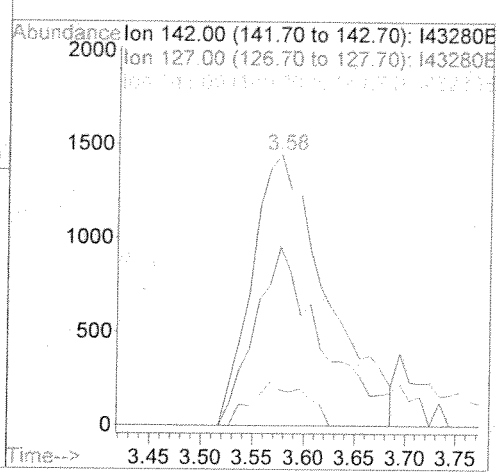
MT 8/13/10



#14
Methyl iodide
Concen: 1.59 ug/L
RT: 3.58 min Scan# 225
Delta R.T. 0.02 min
Lab File: I43280B.D
Acq: 12 Aug 2010 8:21 pm

Tgt Ion:142 Resp: 7366

Ion	Ratio	Lower	Upper
142	100		
127	58.3	47.4	71.2
141	11.5	11.0	16.6



MT/MW

292260

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

Lab Sample ID: LB08160B
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 08/16/10

CLIENT SAMPLE ID

Project Name: NASOWEY
Project Number:
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	89	%	d8-Toluene	98	%	Bromofluorobenzen	93 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081610-I\I43328B.D
Acq On : 16 Aug 2010 1:04 pm
Sample : LB08160B
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

Vial: 9
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	159954	20.00 ug/L	0.01
39) 1,4-Difluorobenzene	7.94	114	260976	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.57	117	234317	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.39	152	112914	20.00 ug/L	0.01

System Monitoring Compounds					
28) DB HOLDER #28	7.31	65	135858	17.75 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.75%		
36) d4-1,2-Dichloroethane	7.31	65	135858	17.75 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.75%		
54) d8-Toluene	10.24	98	280109	19.61 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.05%		
73) Bromofluorobenzene	14.50	95	119256	18.53 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.65%		

Target Compounds					Qvalue
5) Bromomethane	2.18	94	1059	Below Cal	97
14) Methyl iodide	3.58	142	4989	0.90 ug/L #	81

MT/CJ

ND

9/22/10

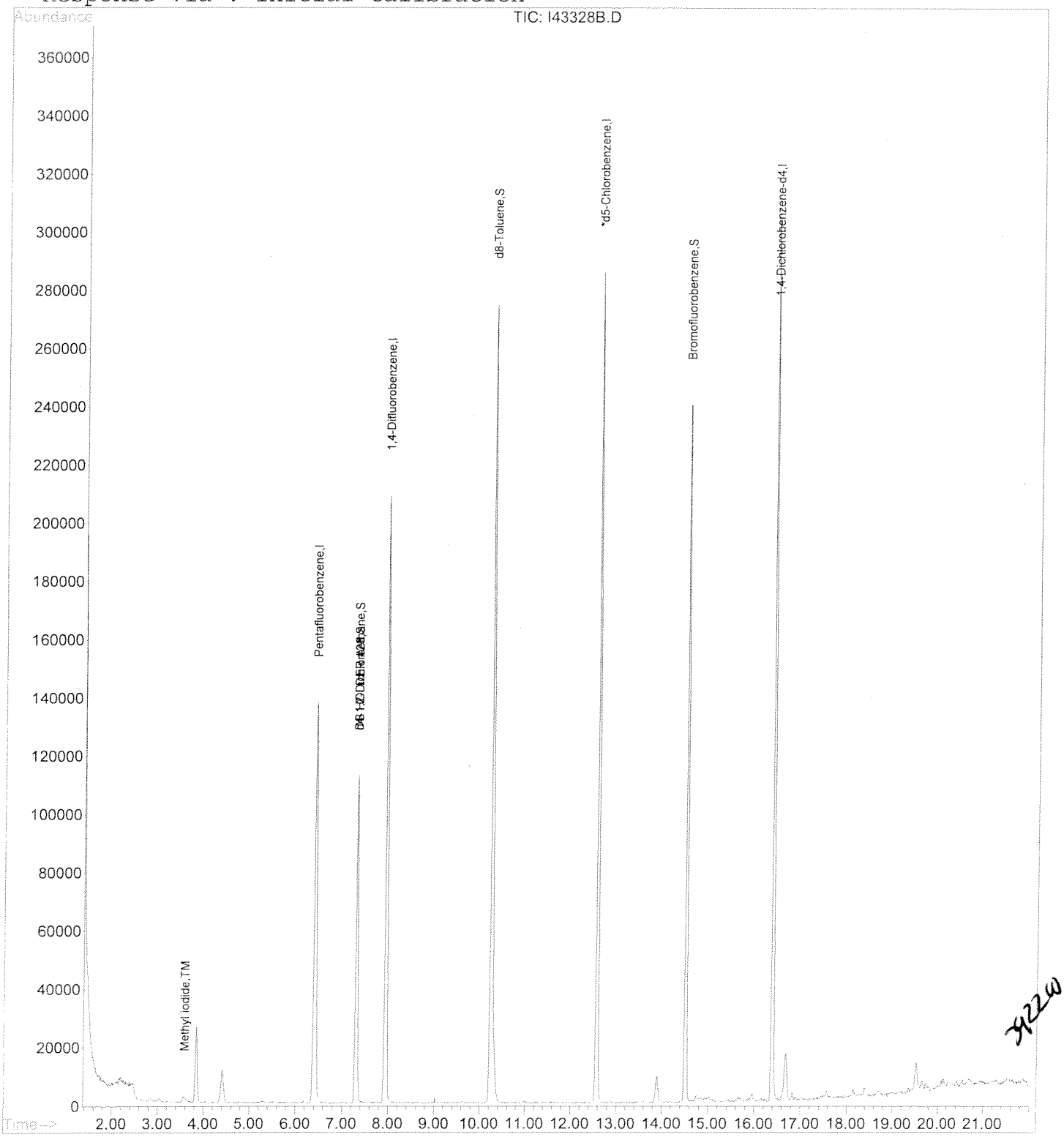
(#) = qualifier out of range (m) = manual integration
I43328B.D VS08120I.M

Quantitation Report

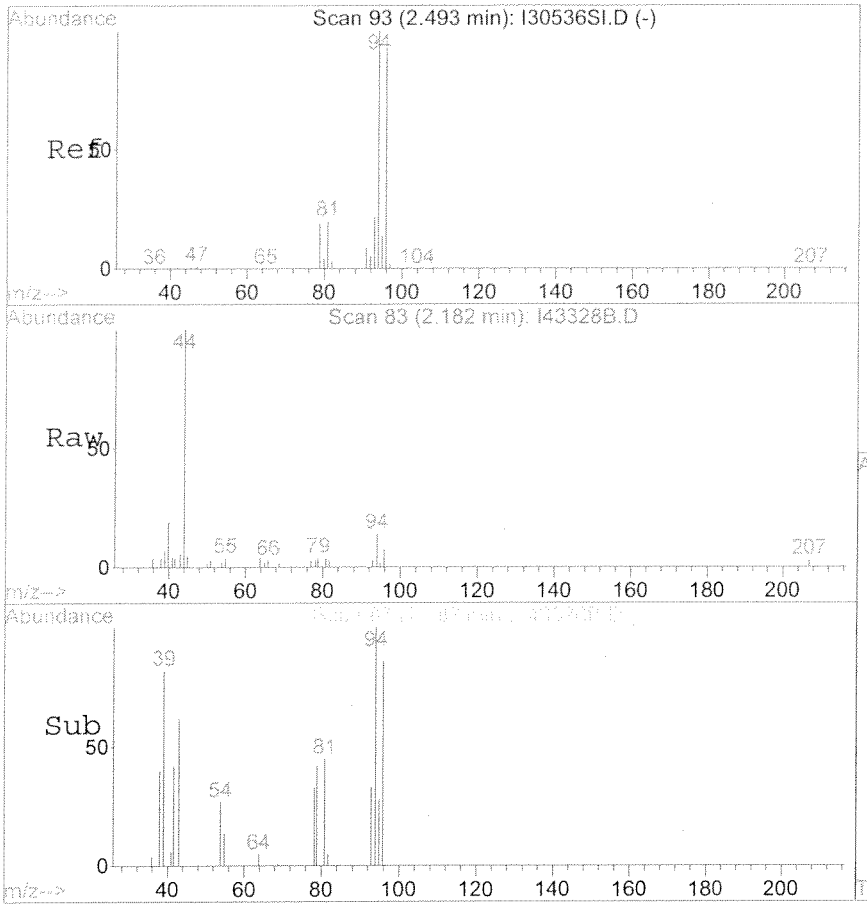
Data File : C:\HPCHEM\1\DATA\081610-I\I43328B.D Vial: 9
Acq On : 16 Aug 2010 1:04 pm Operator: MT
Sample : LB08160B Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010 Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration

MT 8/18/10



3220

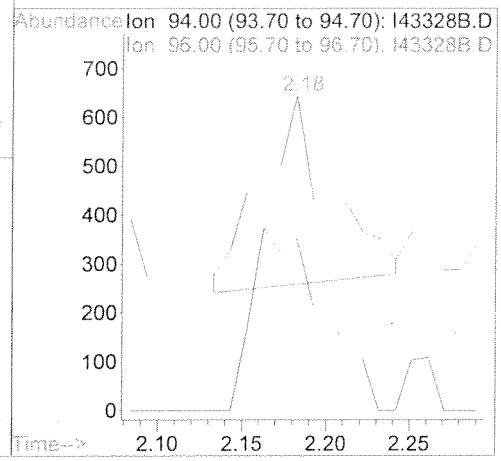


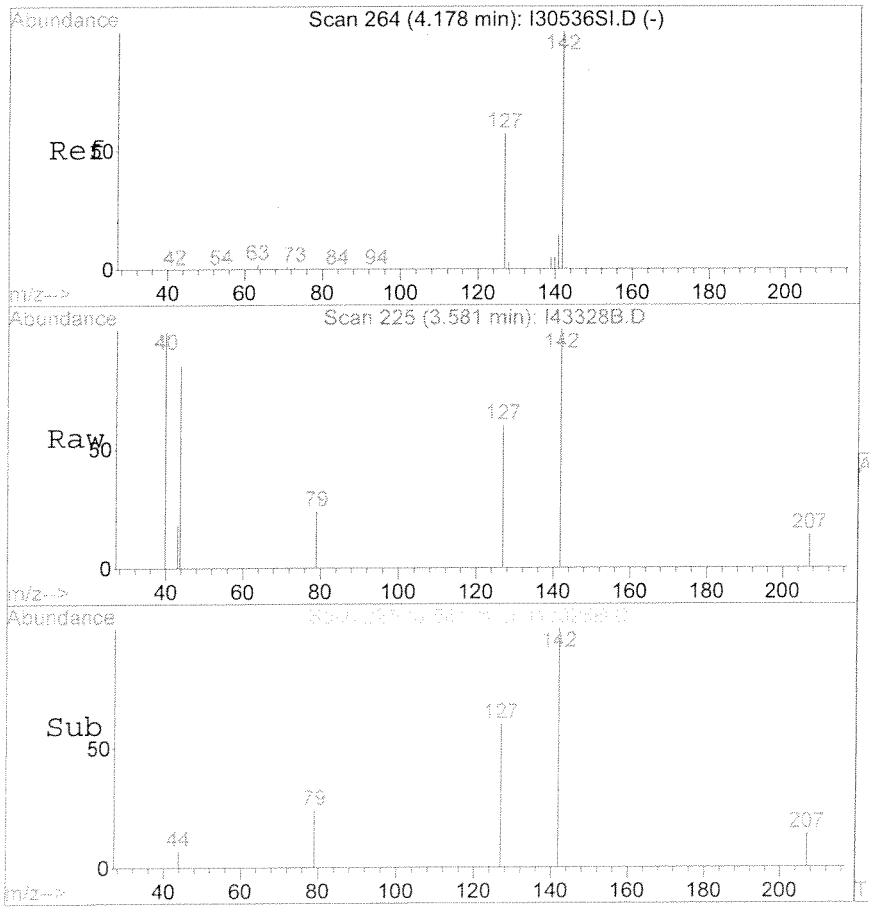
MT 8/18/10

#5
Bromomethane
Concen: Below Cal
RT: 2.18 min Scan# 83
Delta R.T. 0.02 min
Lab File: I43328B.D
Acq: 16 Aug 2010 1:04 pm

Tgt Ion: 94 Resp: 1059

Ion	Ratio	Lower	Upper
94	100		
96	96.4	73.8	113.8

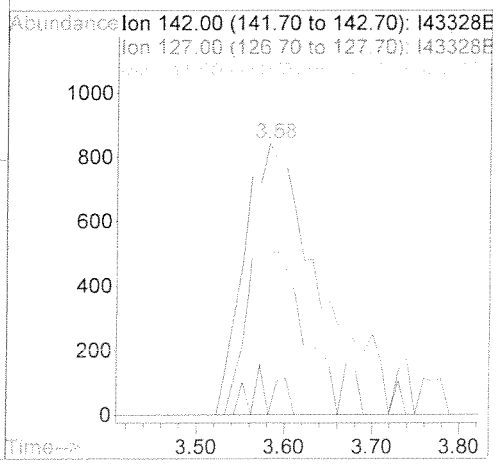




#14
Methyl iodide
Concen: 0.90 ug/L
RT: 3.58 min Scan# 225
Delta R.T. 0.02 min
Lab File: I43328B.D
Acq: 16 Aug 2010 1:04 pm

Tgt Ion:142 Resp: 4989

Ion	Ratio	Lower	Upper
142	100		
127	46.2	47.4	71.2#
141	3.1	11.0	16.6#



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

Lab Sample ID: 67494-1
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/12/10

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Field Sample ID: MW200-1

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	103	%	d8-Toluene	101	%	Bromofluorobenzen	98 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081210-I\I43285.D
Acq On : 12 Aug 2010 10:40 pm
Sample : 67494-1
Misc : ,5.32,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 14:39 2010

Vial: 29
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Q

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

DF = (5)/(5.32g)(.9416) = 1.0 ~~DF = 1~~ ~~DF = 2~~

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	115487	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	186684	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	165247 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.39	152	81490	20.00	ug/L	0.00

System Monitoring Compounds						
28) DB HOLDER #28	7.30	65	113685	20.58	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.90% ✓			
36) d4-1,2-Dichloroethane	7.30	65	113685	20.58	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.90% ✓			
54) d8-Toluene	10.24	98	206162	20.18	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.90% ✓			
73) Bromofluorobenzene	14.49	95	88980	19.60	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.00% ✓			

Target Compounds						Qvalue
~~5)~~ Bromomethane	2.16	94	1267	~~Below Cal~~		81
~~12)~~ Acetone	3.03	43	10545	<10 ~~7.25~~ ug/L		96
~~14)~~ Methyl iodide	3.57	142	5753	NT No's ~~1.44~~ ug/L	#	88
~~16)~~ Methylene Chloride	3.83	84	43298	<10 ~~9.46~~ ug/L		96

ND

>92210

(#) = qualifier out of range (m) = manual integration
I43285.D VS08120I.M Fri Aug 13 14:39:54 2010 Page 1

Quantitation Report

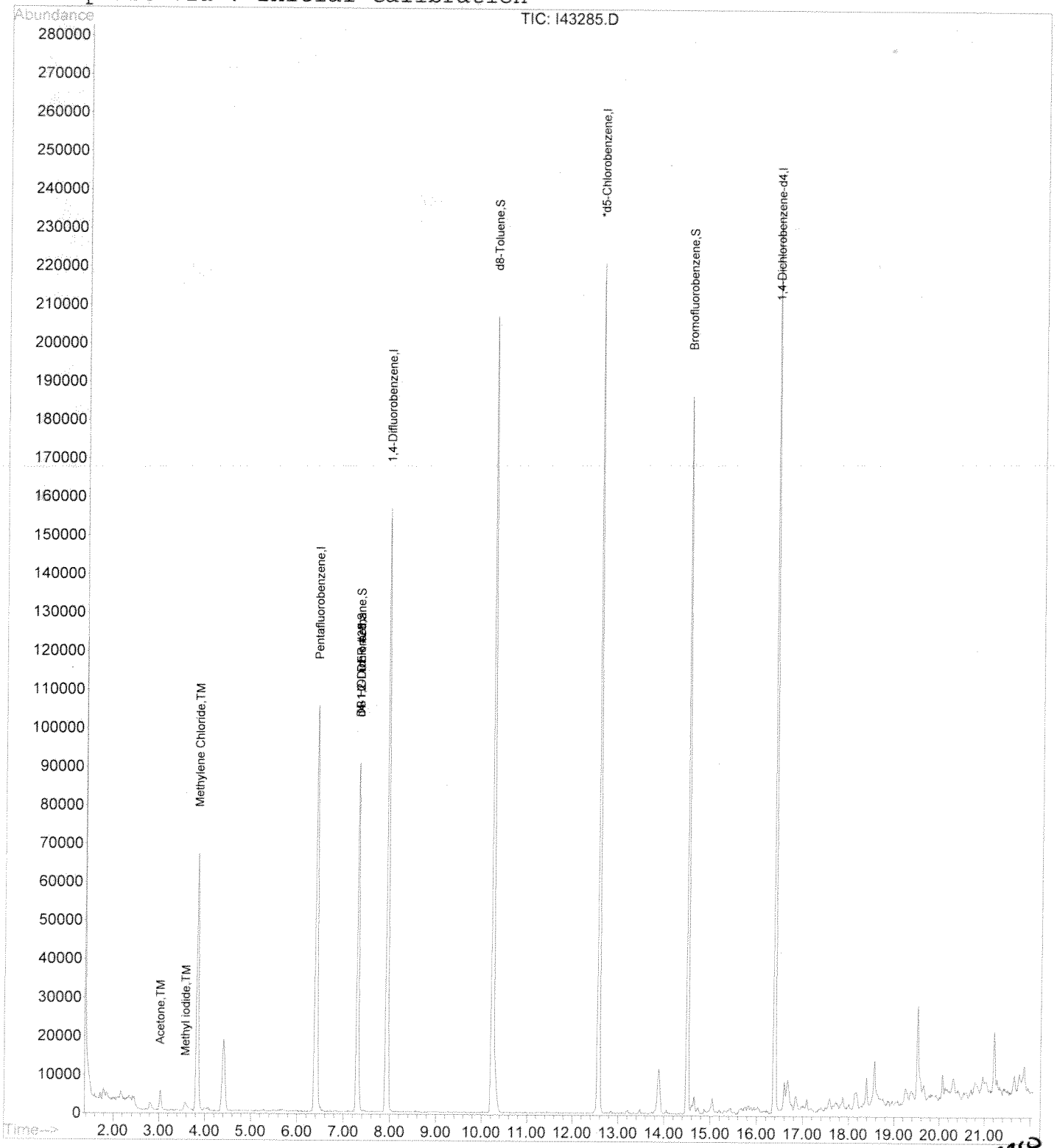
Data File : C:\HPCHEM\1\DATA\081210-I\I43285.D
Acq On : 12 Aug 2010 10:40 pm
Sample : 67494-1
Misc : ,5.32,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 14:39 2010

Vial: 29
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration

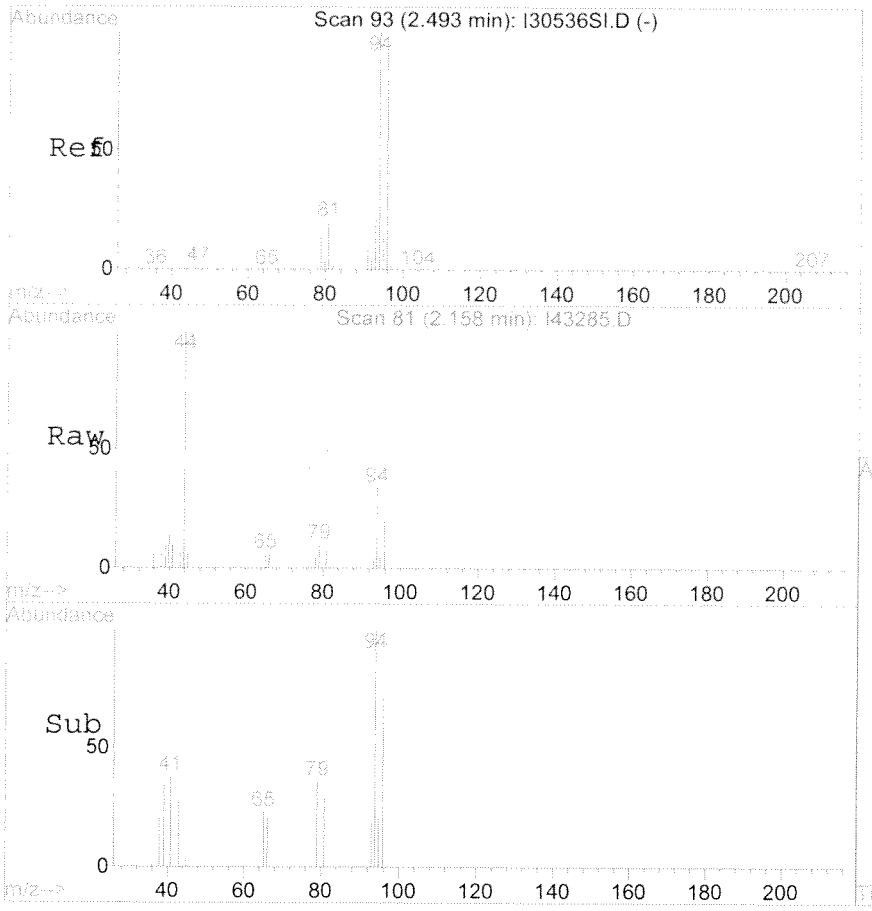
MT 8/13/10



I43285.D VS08120I.M Fri Aug 13 14:39:54 2010 Page 2

8/12/10

MT 8/13/10

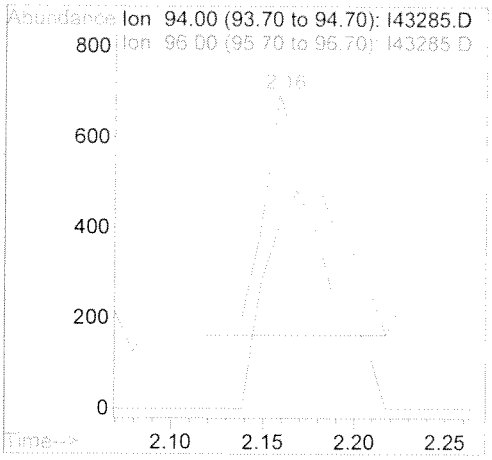


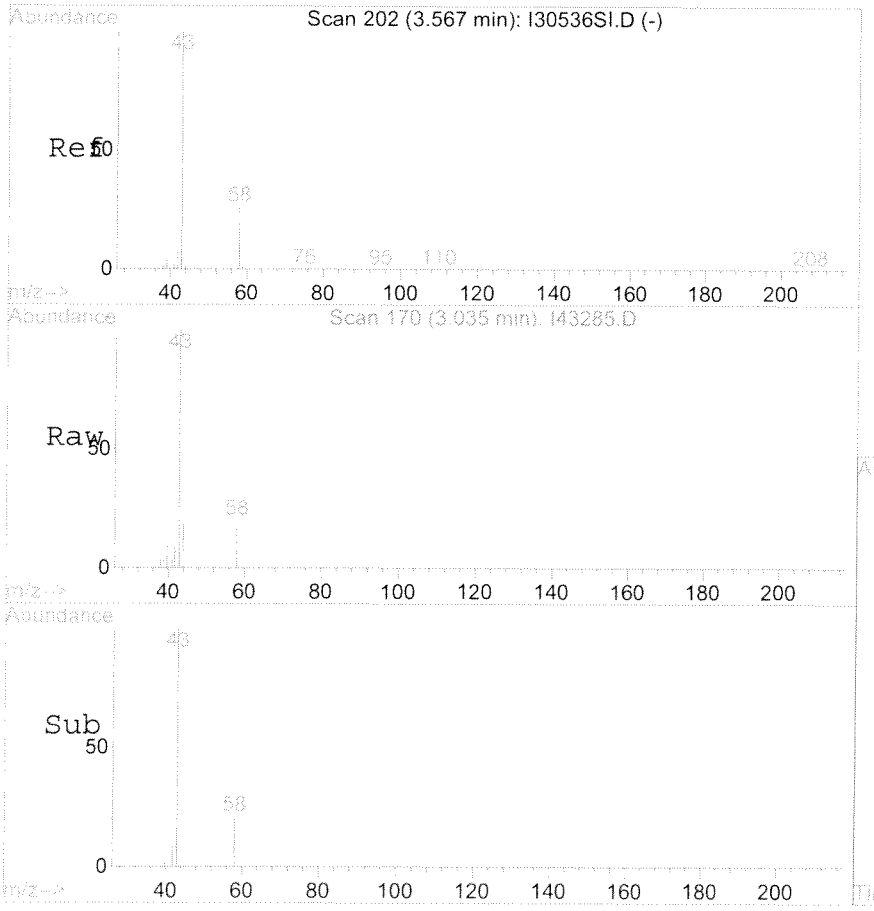
#5
Bromomethane
Concen: Below Cal
RT: 2.16 min Scan# 81
Delta R.T. -0.00 min
Lab File: I43285.D
Acq: 12 Aug 2010 10:40 pm

Tgt Ion: 94 Resp: 1267

Ion	Ratio	Lower	Upper
94	100		
96	75.1	73.8	113.8

X





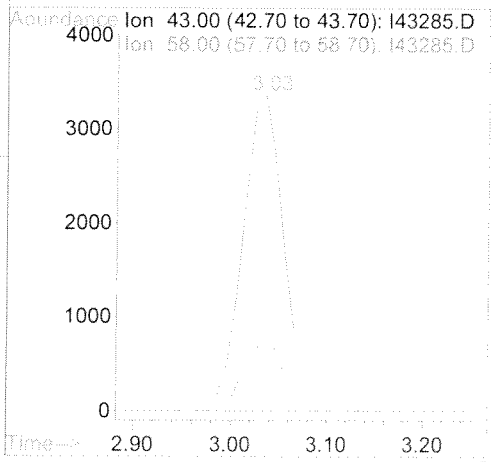
#12
Acetone
Concen: 7.25 ug/L
RT: 3.03 min Scan# 170
Delta R.T. 0.01 min
Lab File: I43285.D
Acq: 12 Aug 2010 10:40 pm

Tgt Ion: 43 Resp: 10545

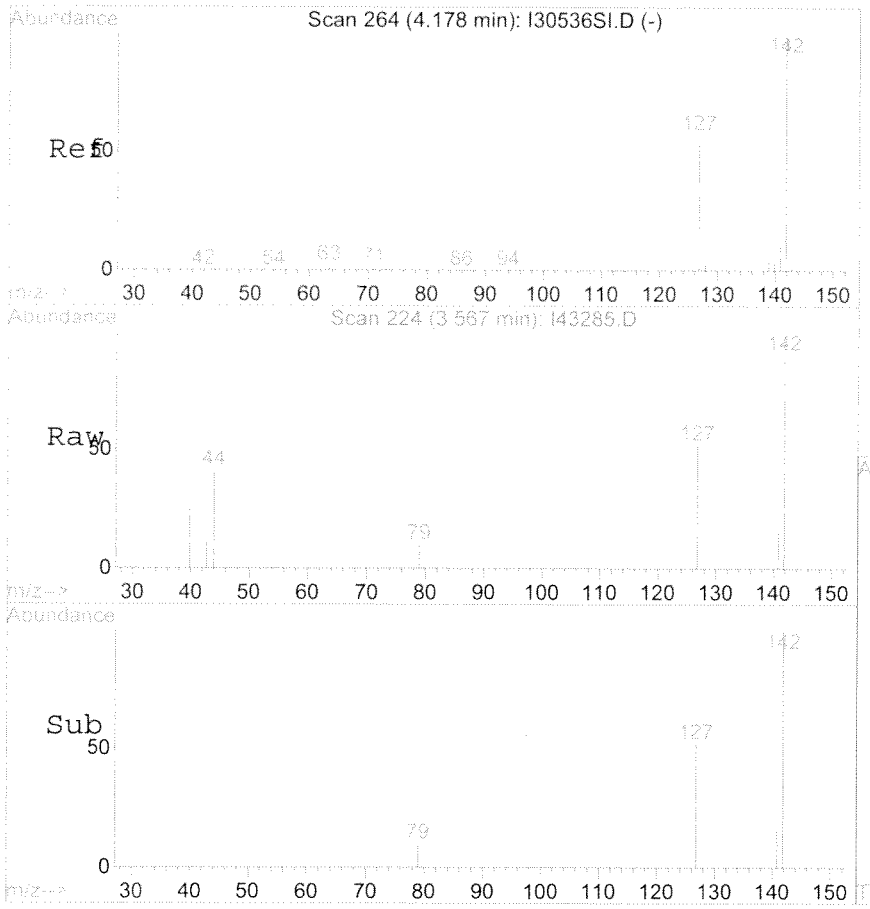
Ion	Ratio	Lower	Upper
43	100		
58	19.8	17.3	25.9

X

<10



512210

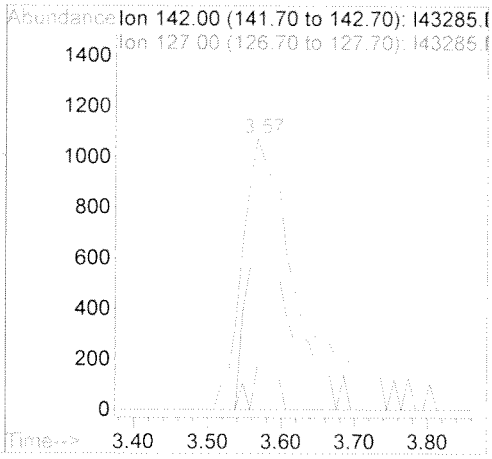


#14 MT 8/13/10
Methyl iodide
Concen: 1.44 ug/L
RT: 3.57 min Scan# 224
Delta R.T. 0.01 min
Lab File: I43285.D
Acq: 12 Aug 2010 10:40 pm

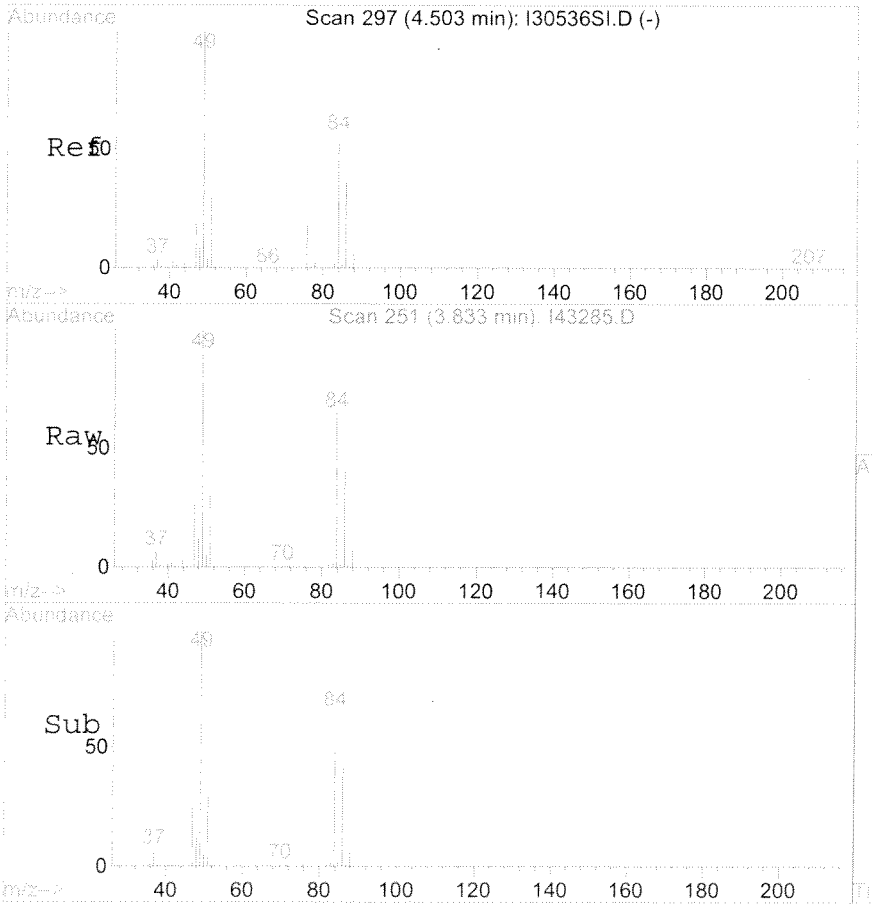
Tgt Ion:142 Resp: 5753

Ion	Ratio	Lower	Upper
142	100		
127	51.2	47.4	71.2
141	7.3	11.0	16.6#

X



NT/10

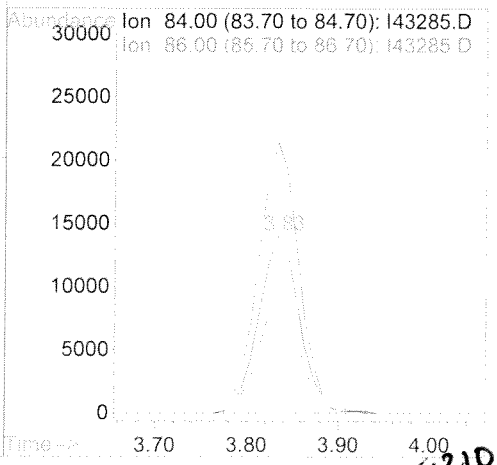


#16
Methylene Chloride
Concen: 9.46 ug/L
RT: 3.83 min Scan# 251
Delta R.T. -0.00 min
Lab File: I43285.D
Acq: 12 Aug 2010 10:40 pm

Tgt Ion: 84 Resp: 43298

Ion	Ratio	Lower	Upper
84	100		
86	64.8	44.6	84.6
49	152.9	126.4	166.4

X



<10

8/12/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Field Sample ID: MW200-2

Lab Sample ID: 67494-2
Matrix: Solid
Percent Solid: 98
Dilution Factor: 1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/12/10

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	**11**	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	103	%	d8-Toluene	98	%	Bromofluorobenzen	100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081210-I\I43286.D
Acq On : 12 Aug 2010 11:08 pm
Sample : 67494-2
Misc : ,5.08,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 14:39 2010

Vial: 30
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

DF = (5) / (5.08)(.9782) = 1.0

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	118320	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	198005 ✓	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	168746 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.39	152	84585	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	7.29	65	116573	20.59 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.95% ✓		
36) d4-1,2-Dichloroethane	7.29	65	116573	20.59 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.95% ✓		
54) d8-Toluene	10.24	98	212308	19.59 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.95% ✓		
73) Bromofluorobenzene	14.50	95	92317	19.92 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.60% ✓		

Target Compounds					Qvalue
5) Bromomethane	2.17	94	1602	~~Below~~ Cal	98
12) Acetone	3.02	43	15909	✓10.67 ug/L	98
14) Methyl iodide	3.57	142	5678 LT MDL	~~1.39~~ ug/L #	91
16) Methylene Chloride	3.83	84	45494	<10 ~~9.81~~ ug/L	96

392200

(#) = qualifier out of range (m) = manual integration
I43286.D VS08120I.M Fri Aug 13 14:39:57 2010 Page 1

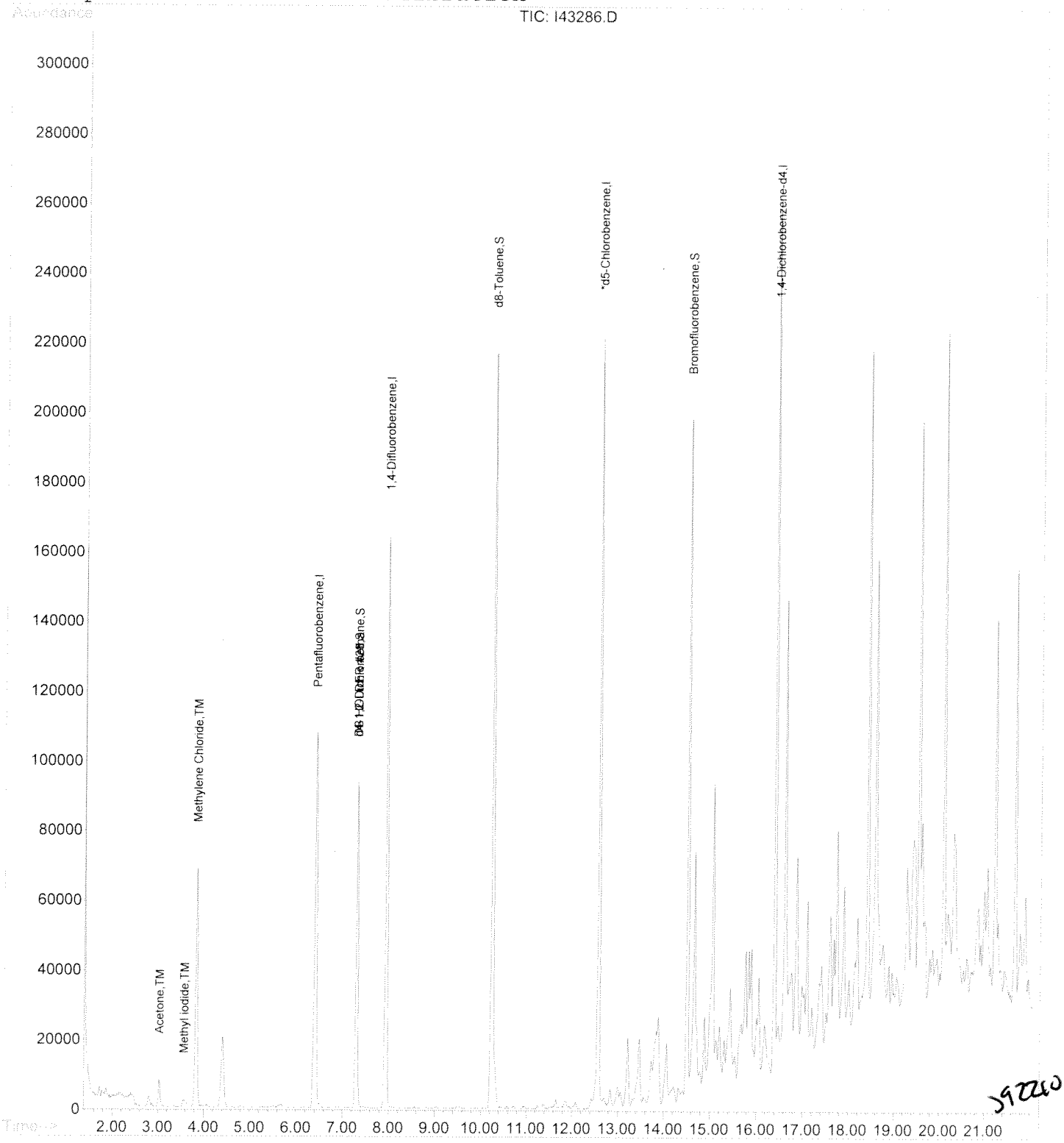
Quantitation Report

Data File : C:\HPCHEM\1\DATA\081210-I\I43286.D
Acq On : 12 Aug 2010 11:08 pm
Sample : 67494-2
Misc : ,5.08,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 14:39 2010

Vial: 30
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS08120I.RES

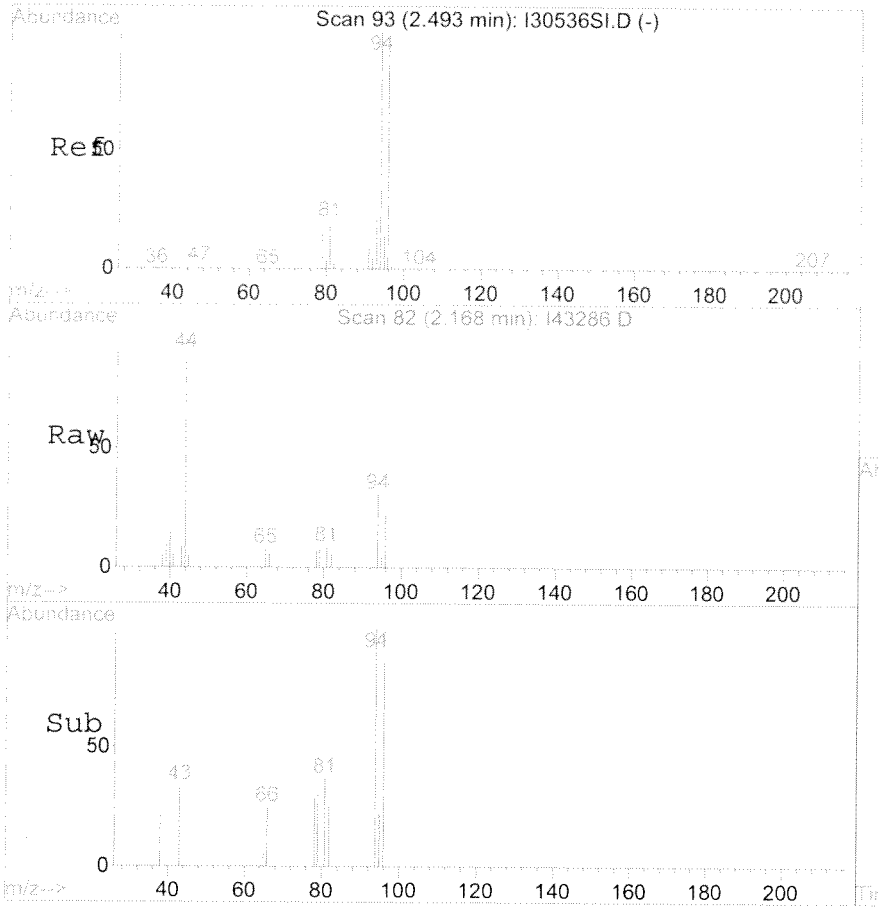
Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration

MT 8/13/10



J92210

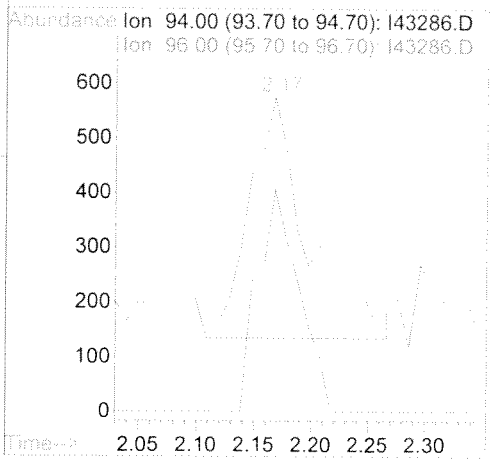
MT 8/13/10

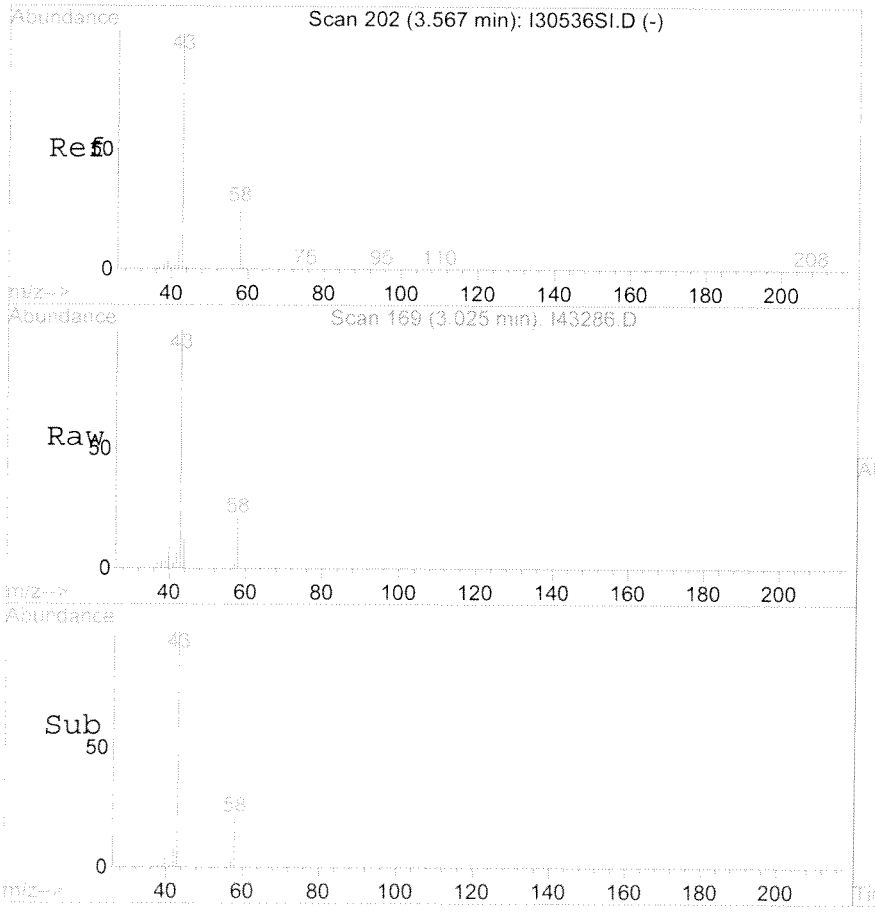


#5
Bromomethane
Concen: Below Cal
RT: 2.17 min Scan# 82
Delta R.T. 0.01 min
Lab File: I43286.D
Acq: 12 Aug 2010 11:08 pm

Tgt Ion: 94 Resp: 1602

Ion	Ratio	Lower	Upper
94	100		
96	92.1	73.8	113.8

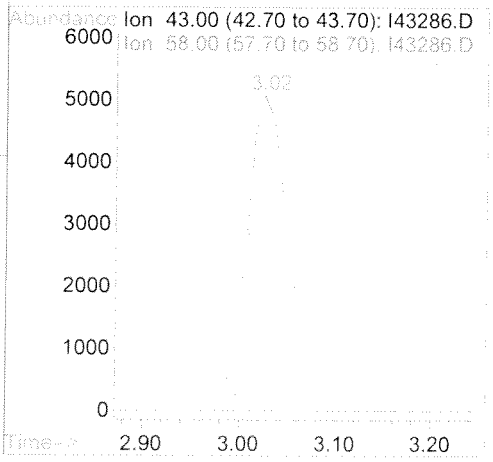




#12
Acetone
Concen: 10.67 ug/L
RT: 3.02 min Scan# 169
Delta R.T. -0.00 min
Lab File: I43286.D
Acq: 12 Aug 2010 11:08 pm

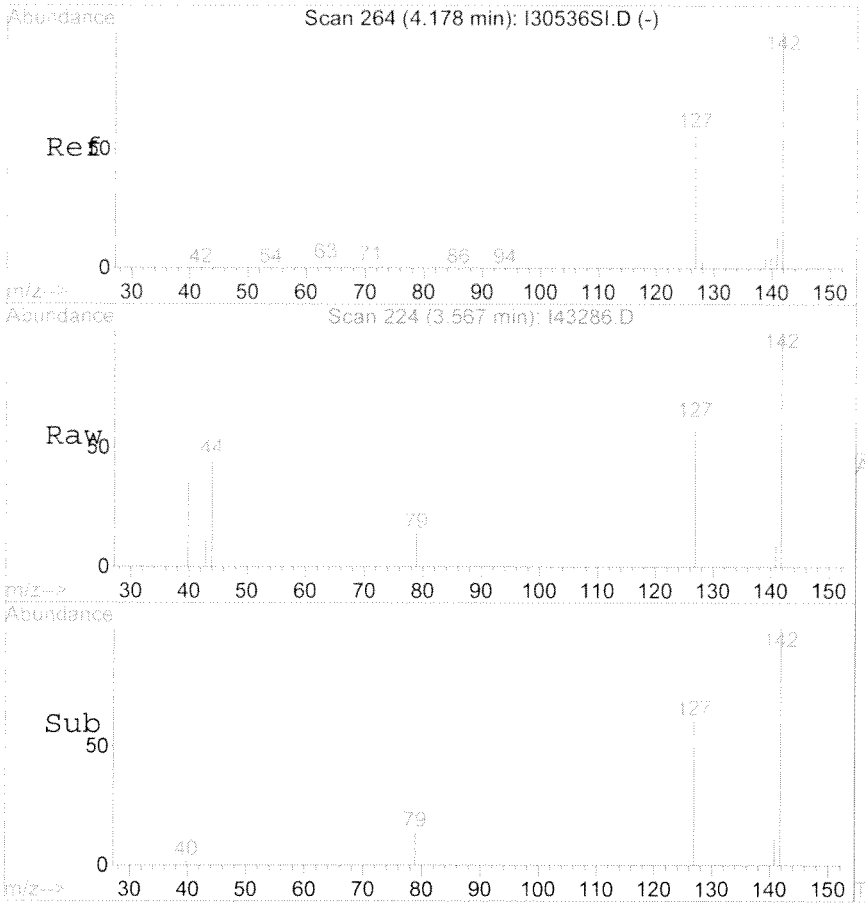
Tgt Ion: 43 Resp: 15909

Ion	Ratio	Lower	Upper
43	100		
58	22.4	17.3	25.9



592260

MT 8/13/10

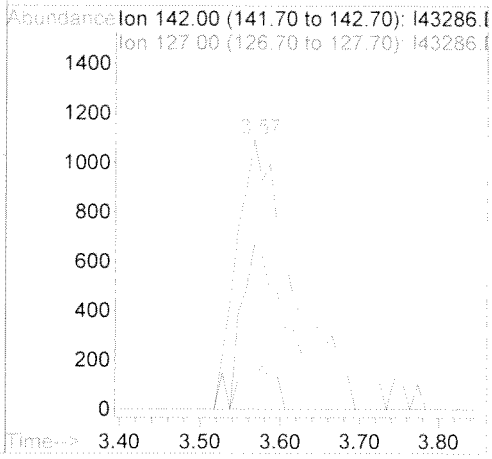


#14
Methyl iodide
Concen: 1.39 ug/L
RT: 3.57 min Scan# 224
Delta R.T. 0.01 min
Lab File: I43286.D
Acq: 12 Aug 2010 11:08 pm

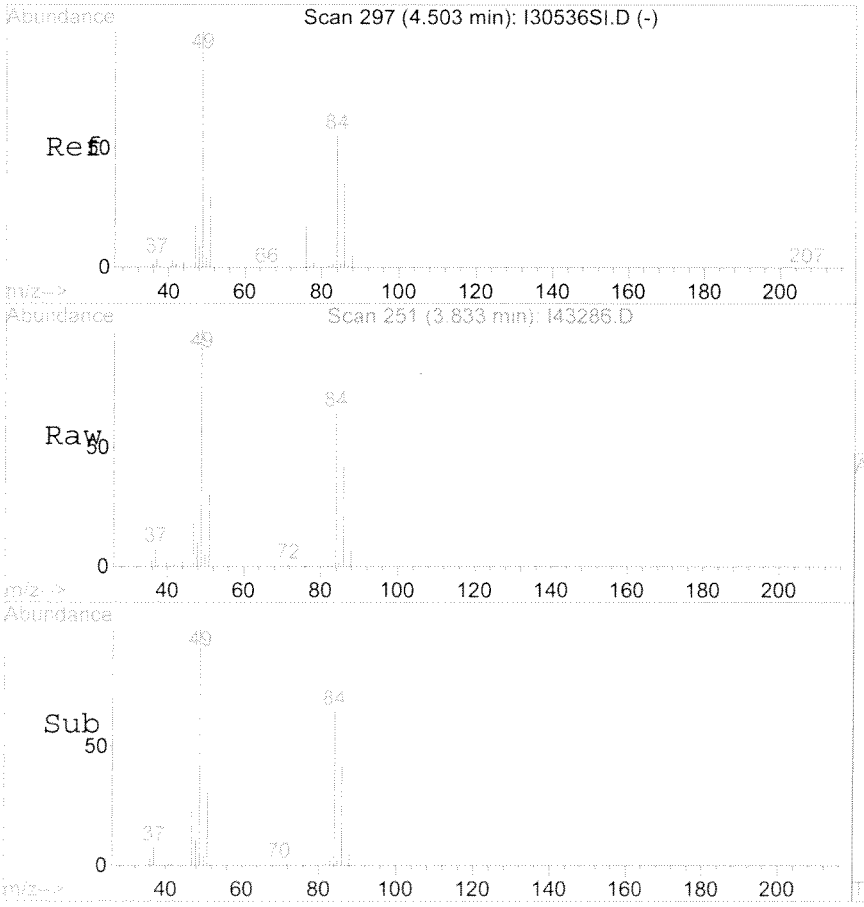
Tgt Ion:142 Resp: 5678

Ion	Ratio	Lower	Upper
142	100		
127	53.3	47.4	71.2
141	8.3	11.0	16.6#

X



MT, NO



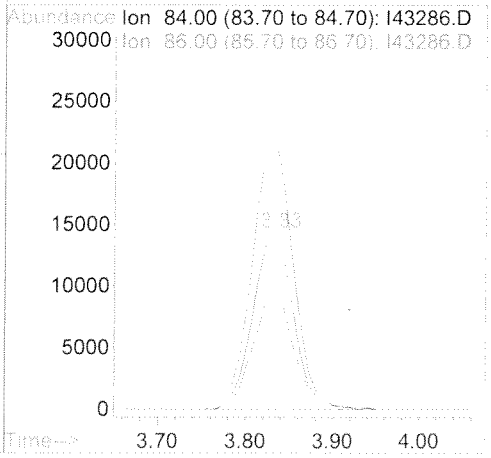
#16
Methylene Chloride
Concen: 9.81 ug/L
RT: 3.83 min Scan# 251
Delta R.T. -0.00 min
Lab File: I43286.D
Acq: 12 Aug 2010 11:08 pm

Tgt Ion: 84 Resp: 45494

Ion	Ratio	Lower	Upper
84	100		
86	65.2	44.6	84.6
49	153.8	126.4	166.4

X

<10



>VZZW

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

Lab Sample ID: 67494-3
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/16/10

CLIENT SAMPLE ID

Project Name: NASOWEY
Project Number:
Field Sample ID: MW200-3

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.8	U	1,1,2-Trichloroethane	2.8	U
Chloromethane	2.8	U	1,3-Dichloropropane	2.8	U
Vinyl Chloride	2.8	U	Tetrachloroethene	2.8	U
Bromomethane	2.8	U	2-Hexanone	14	U
Chloroethane	2.8	U	Dibromochloromethane	2.8	U
Trichlorofluoromethane	2.8	U	1,2-Dibromoethane	2.8	U
1,1-Dichloroethene	2.8	U	Chlorobenzene	2.8	U
Acetone	14	U	1,1,1,2-Tetrachloroethane	2.8	U
Methyl iodide	2.8	U	Ethylbenzene	2.8	U
Carbon Disulfide	2.8	U	o-Xylene	2.8	U
Methylene Chloride	14	U	m,p-Xylene	2.8	U
trans-1,2-Dichloroethene	2.8	U	Styrene	2.8	U
Methyl-tert-butyl ether (MTBE)	2.8	U	Bromoform	2.8	U
1,1-Dichloroethane	2.8	U	Isopropylbenzene	2.8	U
Vinyl acetate	7	U	1,1,2,2-Tetrachloroethane	2.8	U
Methyl ethyl ketone	14	U	Bromobenzene	2.8	U
cis-1,2-Dichloroethene	2.8	U	1,2,3-Trichloropropane	2.8	U
2,2-Dichloropropane	2.8	U	n-Propylbenzene	2.8	U
Bromochloromethane	2.8	U	2-Chlorotoluene	2.8	U
Chloroform	2.8	U	1,3,5-Trimethylbenzene	2.8	U
1,1,1-Trichloroethane	2.8	U	4-Chlorotoluene	2.8	U
1,1-Dichloropropene	2.8	U	tert-butylbenzene	2.8	U
Carbon Tetrachloride	2.8	U	1,2,4-Trimethylbenzene	2.8	U
1,2-Dichloroethane	2.8	U	sec-butylbenzene	2.8	U
Benzene	2.8	U	p-isopropyltoluene	2.8	U
Trichloroethene	2.8	U	1,3-Dichlorobenzene	2.8	U
1,2-Dichloropropane	2.8	U	1,4-Dichlorobenzene	2.8	U
Dibromomethane	2.8	U	n-butylbenzene	2.8	U
Bromodichloromethane	2.8	U	1,2-Dichlorobenzene	2.8	U
cis-1,3-Dichloropropene	2.8	U	1,2-Dibromo-3-chloropropane	2.8	U
Methyl isobutyl ketone	14	U	1,2,4-Trichlorobenzene	2.8	U
Toluene	2.8	U	Hexachlorobutadiene	2.8	U
trans-1,3-Dichloropropene	2.8	U	Naphthalene	2.8	U
			1,2,3-Trichlorobenzene	2.8	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	88 %	d8-Toluene	98 %	Bromofluorobenzen	91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081610-I\I43332.D
Acq On : 16 Aug 2010 3:51 pm
Sample : 67494-3
Misc : ,3.79,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

Vial: 13
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/18/10

DF = (5)/(3.79g)(.947%) = 1.4

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	157065	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	258115	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.57	117	231026	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.39	152	112463	20.00	ug/L	0.00

System Monitoring Compounds						
28) DB HOLDER #28	7.30	65	132853	17.68	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.40%			
36) d4-1,2-Dichloroethane	7.30	65	132853	17.68	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.40%			
54) d8-Toluene	10.24	98	276546	19.58	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.90%			
73) Bromofluorobenzene	14.51	95	116007	18.28	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.40%			

Target Compounds						Qvalue
~~5)~~ Bromomethane	2.17	94	1107	~~Below Cal~~		99
~~12)~~ Acetone	3.04	43	16368	<10 ~~8.27~~	ug/L	97
~~14)~~ Methyl iodide	3.59	142	4182	MT/CS ~~0.77~~	ug/L #	78
~~16)~~ Methylene Chloride	3.84	84	60365	<10 ~~9.80~~	ug/L	99

ND

392210

(#) = qualifier out of range (m) = manual integration
I43332.D VS08120I.M Wed Aug 18 07:30:43 2010 Page 1

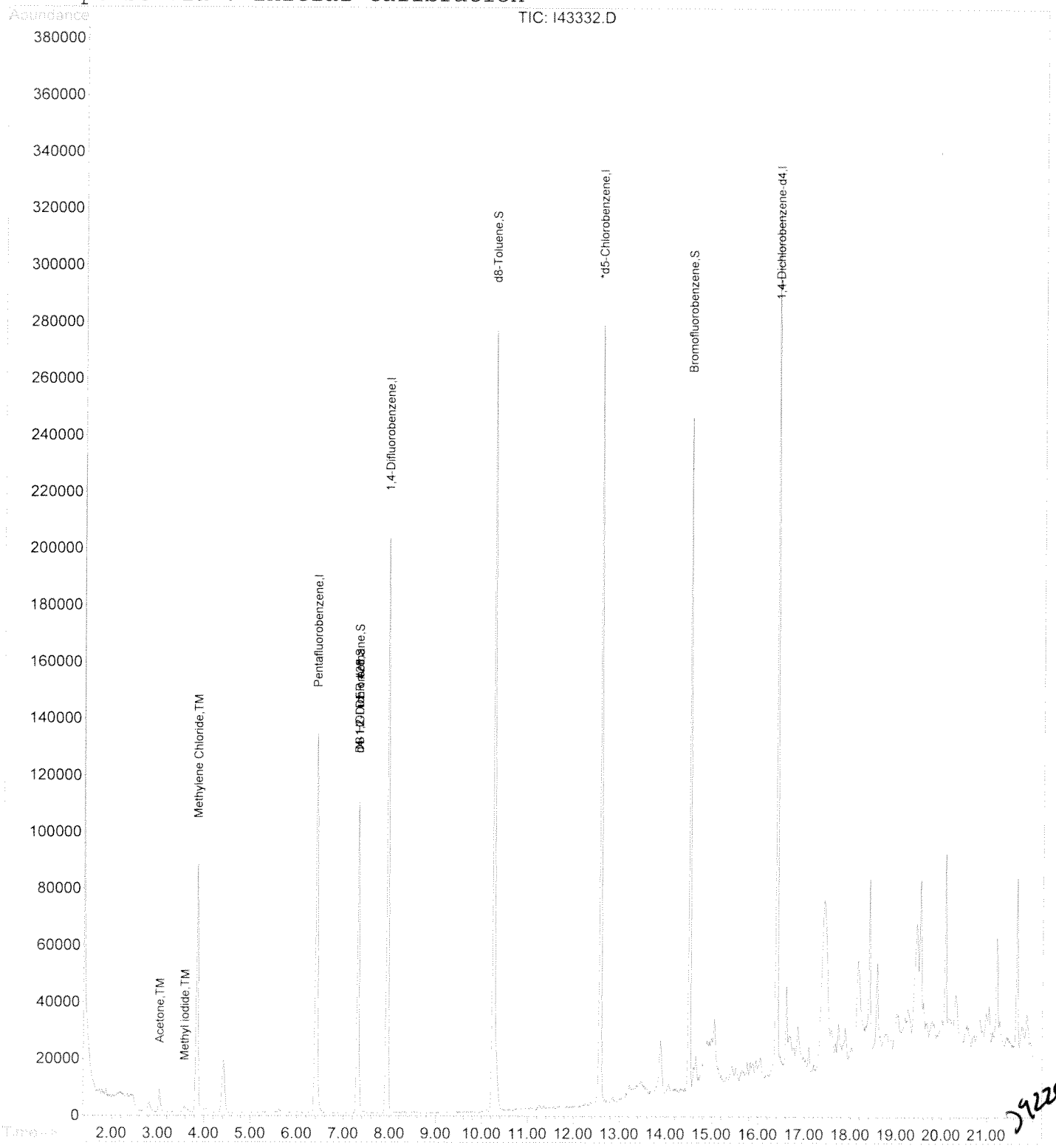
Quantitation Report

Data File : C:\HPCHEM\1\DATA\081610-I\I43332.D
Acq On : 16 Aug 2010 3:51 pm
Sample : 67494-3
Misc : ,3.79,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

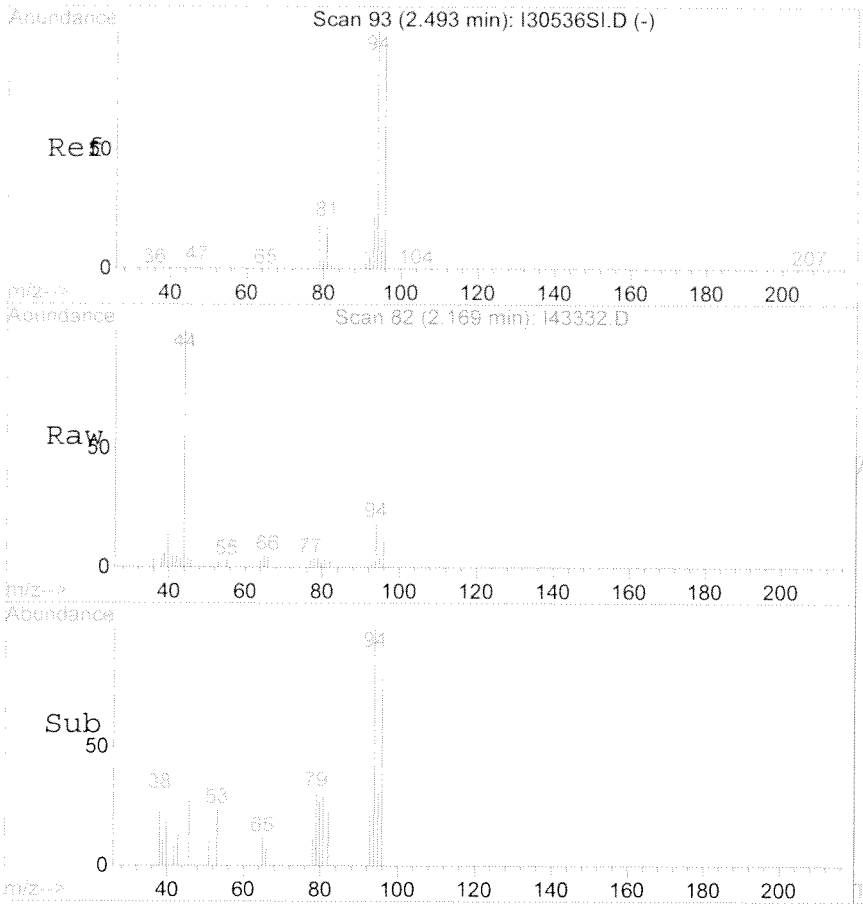
Vial: 13
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration

MT 8/18/10



D9220

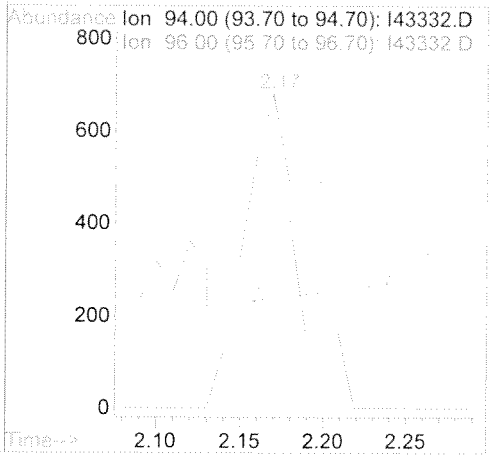


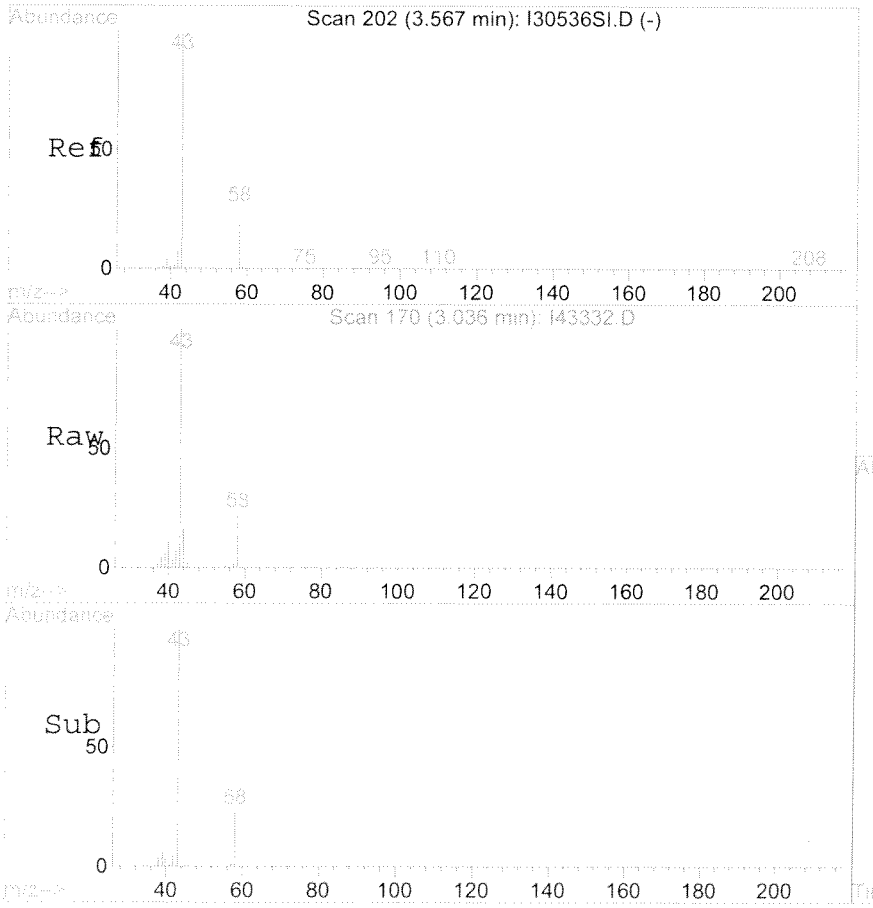
MT 8/18/10

#5
Bromomethane
Concen: Below Cal
RT: 2.17 min Scan# 82
Delta R.T. 0.01 min
Lab File: I43332.D
Acq: 16 Aug 2010 3:51 pm

Tgt Ion: 94 Resp: 1107

Ion	Ratio	Lower	Upper
94	100		
96	94.9	73.8	113.8

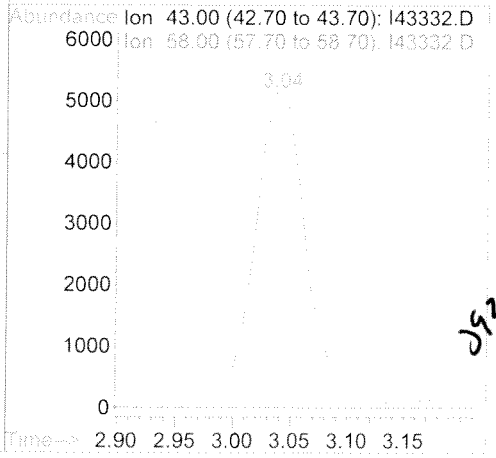




#12
Acetone
Concen: 8.27 ug/L
RT: 3.04 min Scan# 170
Delta R.T. 0.01 min
Lab File: I43332.D
Acq: 16 Aug 2010 3:51 pm

Tgt Ion: 43 Resp: 16368

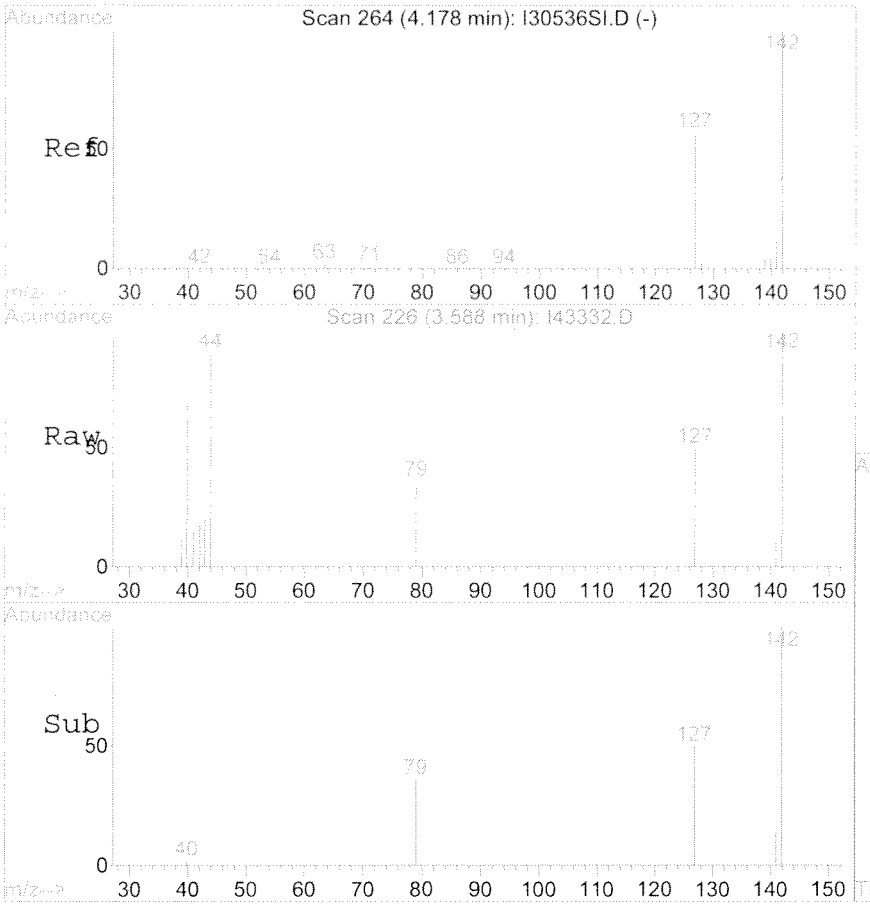
Ion	Ratio	Lower	Upper
43	100		
58	23.1	17.3	25.9



<10

9/22/10

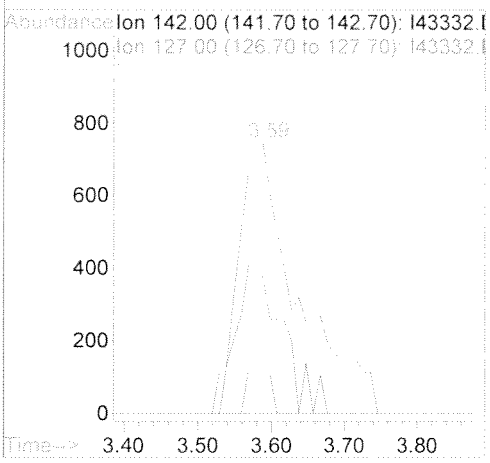
MT 8/18/10

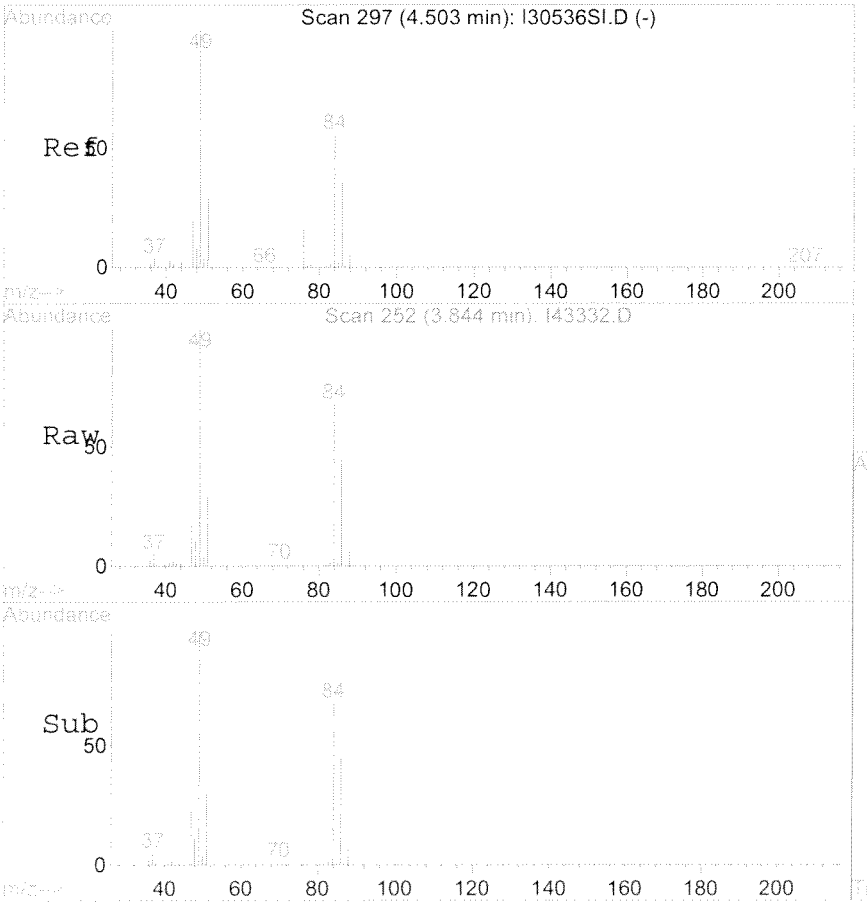


#14
Methyl iodide
Concen: 0.77 ug/L
RT: 3.59 min Scan# 226
Delta R.T. 0.03 min
Lab File: I43332.D
Acq: 16 Aug 2010 3:51 pm

Tgt Ion:142 Resp: 4182

Ion	Ratio	Lower	Upper
142	100		
127	42.2	47.4	71.2#
141	6.6	11.0	16.6#

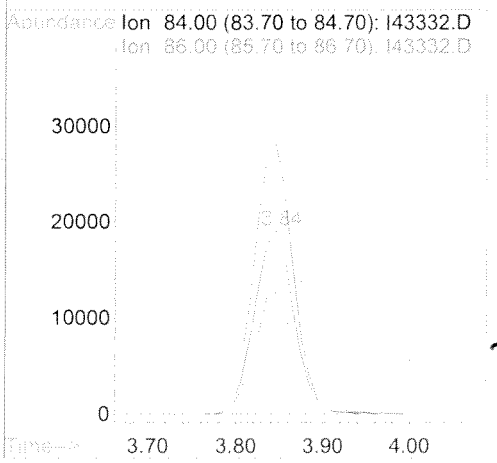




#16
Methylene Chloride
Concen: 9.80 ug/L
RT: 3.84 min Scan# 252
Delta R.T. 0.01 min
Lab File: I43332.D
Acq: 16 Aug 2010 3:51 pm

Tgt Ion: 84 Resp: 60365

Ion	Ratio	Lower	Upper
84	100		
86	66.1	44.6	84.6
49	147.9	126.4	166.4



<10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

Lab Sample ID: 67494-4
Matrix: Solid
Percent Solid: 98
Dilution Factor: 1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/13/10

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Field Sample ID: MW200-4

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	1.9	U	1,1,2-Trichloroethane	1.9	U
Chloromethane	1.9	U	1,3-Dichloropropane	1.9	U
Vinyl Chloride	1.9	U	Tetrachloroethene	1.9	U
Bromomethane	1.9	U	2-Hexanone	9.4	U
Chloroethane	1.9	U	Dibromochloromethane	1.9	U
Trichlorofluoromethane	1.9	U	1,2-Dibromoethane	1.9	U
1,1-Dichloroethene	1.9	U	Chlorobenzene	1.9	U
Acetone	9.4	U	1,1,1,2-Tetrachloroethane	1.9	U
Methyl iodide	1.9	U	Ethylbenzene	1.9	U
Carbon Disulfide	1.9	U	o-Xylene	1.9	U
Methylene Chloride	9.4	U	m,p-Xylene	1.9	U
trans-1,2-Dichloroethene	1.9	U	Styrene	1.9	U
Methyl-tert-butyl ether (MTBE)	1.9	U	Bromoform	1.9	U
1,1-Dichloroethane	1.9	U	Isopropylbenzene	1.9	U
Vinyl acetate	4.7	U	1,1,2,2-Tetrachloroethane	1.9	U
Methyl ethyl ketone	9.4	U	Bromobenzene	1.9	U
cis-1,2-Dichloroethene	1.9	U	1,2,3-Trichloropropane	1.9	U
2,2-Dichloropropane	1.9	U	n-Propylbenzene	1.9	U
Bromochloromethane	1.9	U	2-Chlorotoluene	1.9	U
Chloroform	1.9	U	1,3,5-Trimethylbenzene	1.9	U
1,1,1-Trichloroethane	1.9	U	4-Chlorotoluene	1.9	U
1,1-Dichloropropene	1.9	U	tert-butylbenzene	1.9	U
Carbon Tetrachloride	1.9	U	1,2,4-Trimethylbenzene	1.9	U
1,2-Dichloroethane	1.9	U	sec-butylbenzene	1.9	U
Benzene	1.9	U	p-isopropyltoluene	1.9	U
Trichloroethene	1.9	U	1,3-Dichlorobenzene	1.9	U
1,2-Dichloropropane	1.9	U	1,4-Dichlorobenzene	1.9	U
Dibromomethane	1.9	U	n-butylbenzene	1.9	U
Bromodichloromethane	1.9	U	1,2-Dichlorobenzene	1.9	U
cis-1,3-Dichloropropene	1.9	U	1,2-Dibromo-3-chloropropane	1.9	U
Methyl isobutyl ketone	9.4	U	1,2,4-Trichlorobenzene	1.9	U
Toluene	1.9	U	Hexachlorobutadiene	1.9	U
trans-1,3-Dichloropropene	1.9	U	Naphthalene	1.9	U
			1,2,3-Trichlorobenzene	1.9	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	91	%	d8-Toluene	98	%	Bromofluorobenzen	94 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081210-I\I43288.D
Acq On : 13 Aug 2010 12:04 am
Sample : 67494-4
Misc : ,5.43,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 14:40 2010

Vial: 32
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

DF = (5) / (5.43)(.974)(.9757) = 0.94
MT 8/13/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	155893	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	7.92	114	255094 ✓	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	12.56	117	227461	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.39	152	109501	20.00	ug/L	0.00

System Monitoring Compounds						
28) DB HOLDER #28	7.29	65	136434	18.29	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.45% ✓			
36) d4-1,2-Dichloroethane	7.29	65	136434	18.29	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.45% ✓			
54) d8-Toluene	10.23	98	272986	19.56	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.80% ✓			
73) Bromofluorobenzene	14.50	95	117333	18.78	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.90% ✓			

Target Compounds						Qvalue
~~12)~~ Acetone	3.03	43	15112 <10	~~7.69~~	ug/L #	87
~~14)~~ Methyl iodide	3.57	142	6341 MT, NOJ	~~1.17~~	ug/L #	98
~~16)~~ Methylene Chloride	3.83	84	49281 <10	~~7.34~~	ug/L	97

MD

>92210

(#) = qualifier out of range (m) = manual integration
I43288.D VS08120I.M Fri Aug 13 14:40:04 2010 Page 1

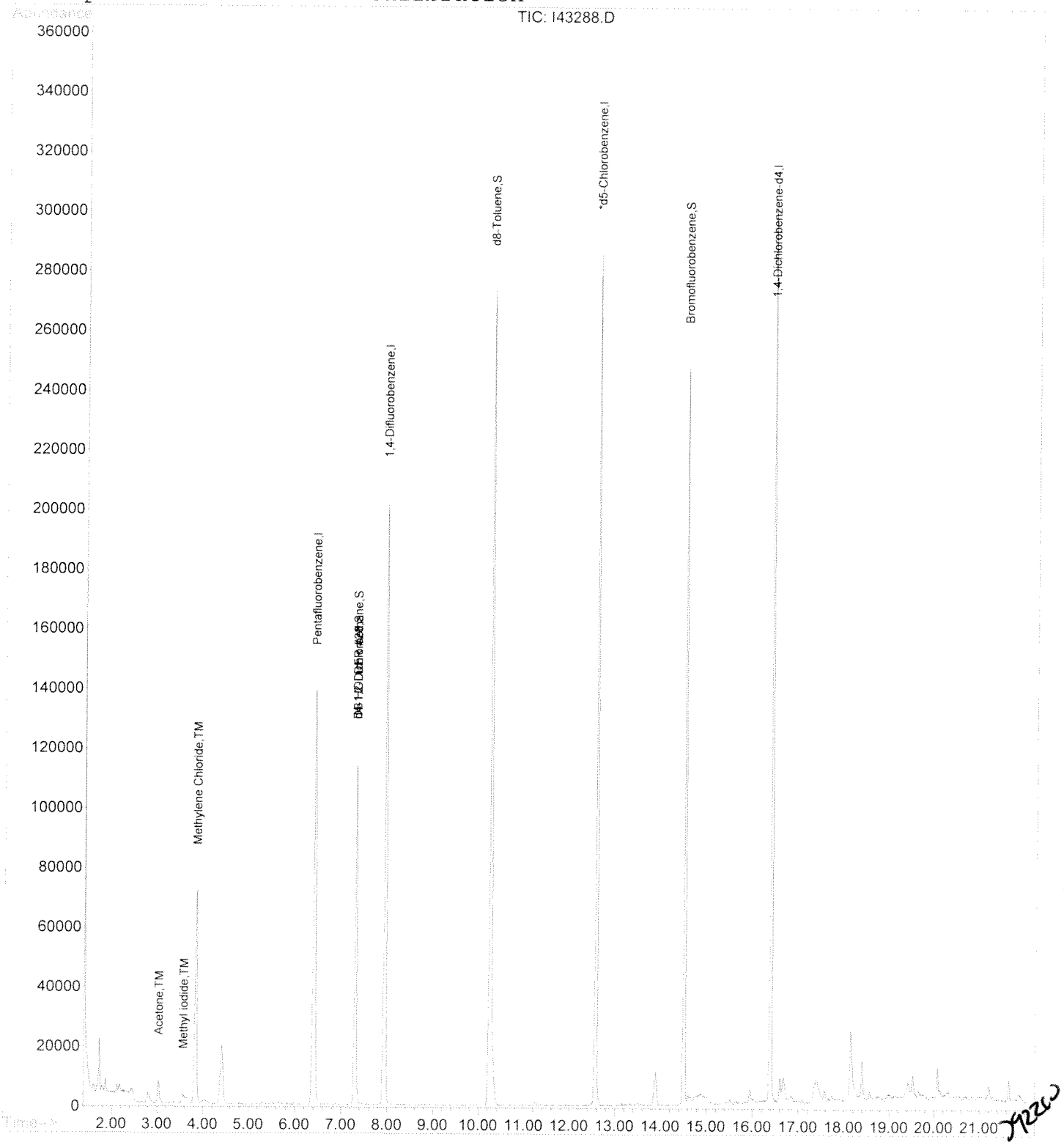
Quantitation Report

Data File : C:\HPCHEM\1\DATA\081210-I\I43288.D
Acq On : 13 Aug 2010 12:04 am
Sample : 67494-4
Misc : ,5.43,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 14:40 2010

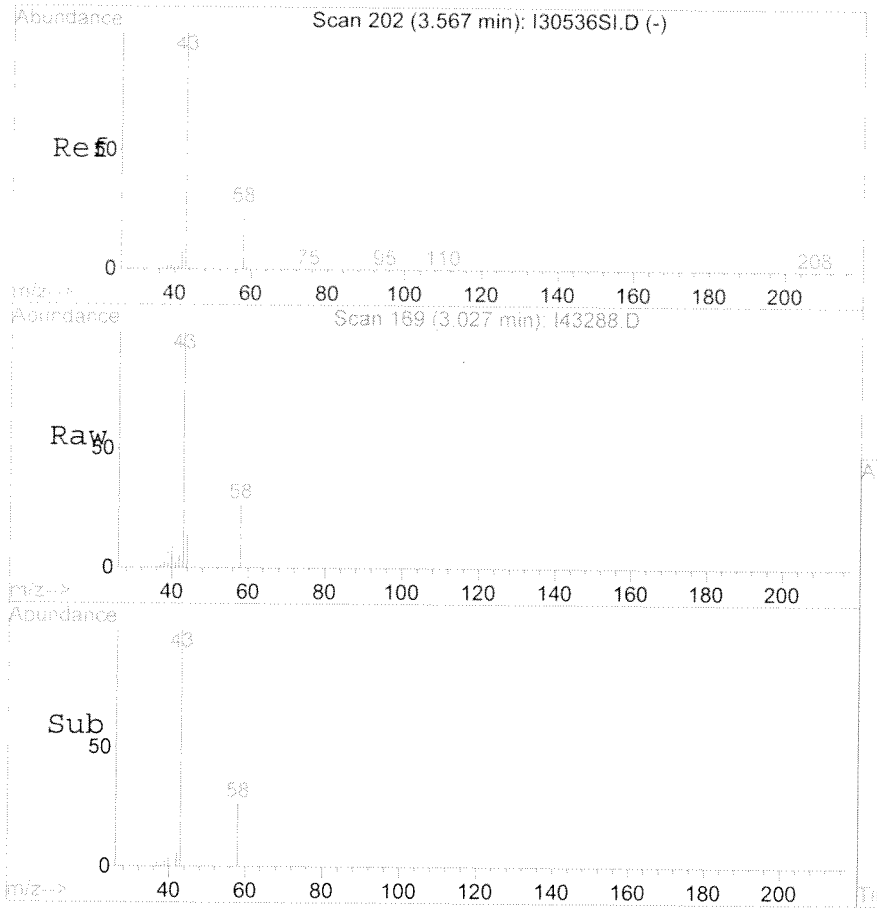
Vial: 32
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration

MT 8/13/10



X2260

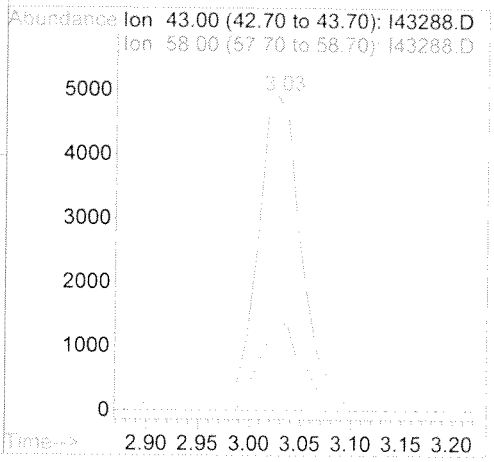


#12 MT 8/13/10
Acetone
Concen: 7.69 ug/L
RT: 3.03 min Scan# 169
Delta R.T. 0.00 min
Lab File: I43288.D
Acq: 13 Aug 2010 12:04 am

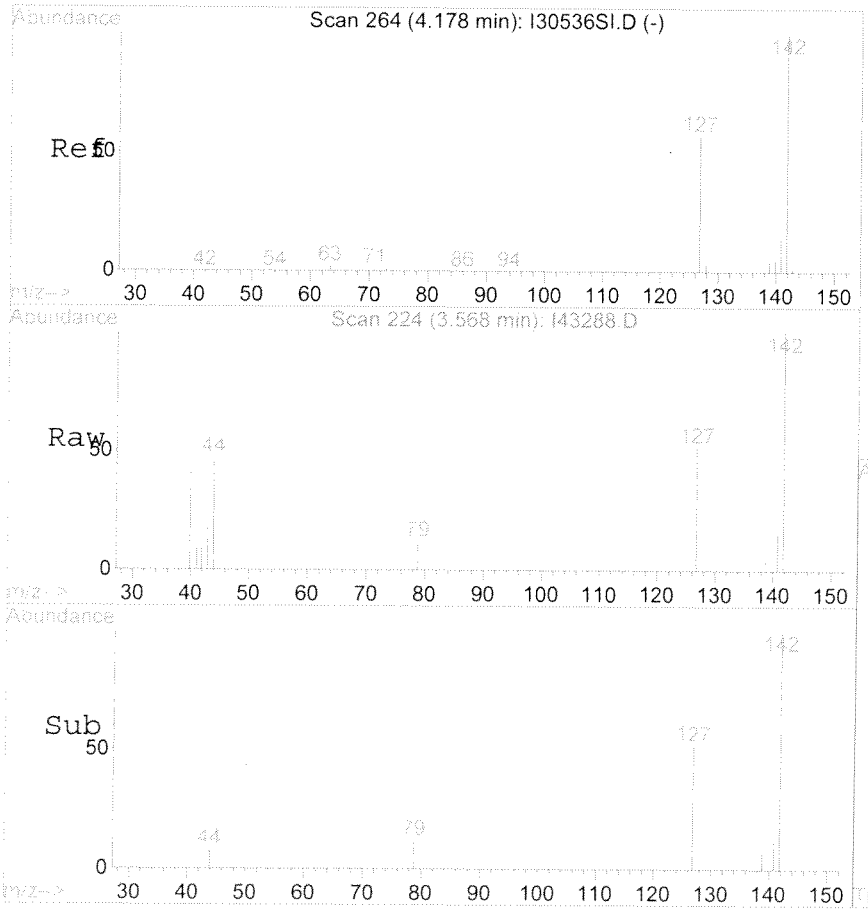
Tgt Ion: 43 Resp: 15112

Ion	Ratio	Lower	Upper
43	100		
58	27.6	17.3	25.9#

X



<10



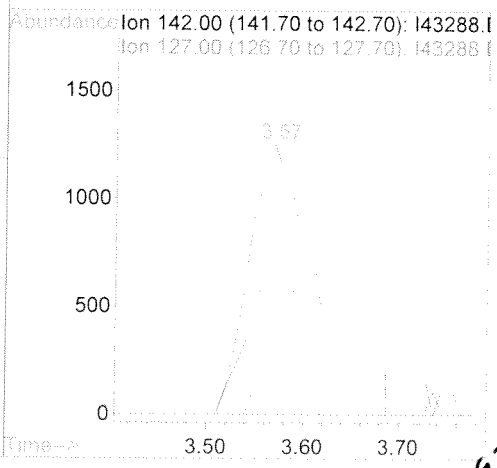
#14
Methyl iodide
Concen: 1.17 ug/L
RT: 3.57 min Scan# 224
Delta R.T. 0.01 min
Lab File: I43288.D
Acq: 13 Aug 2010 12:04 am

Tgt Ion:142 Resp: 6341

Ion	Ratio	Lower	Upper
142	100		
127	59.5	47.4	71.2
141	10.3	11.0	16.6#

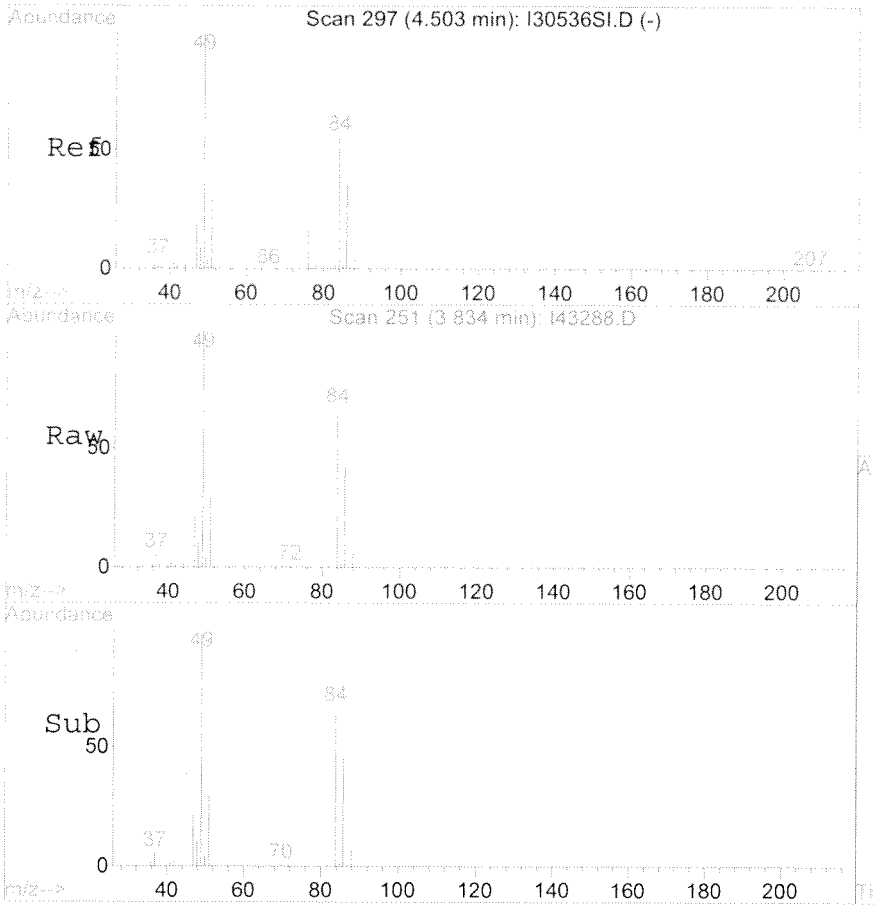
X

MT, 10



FZZW

MT 8/13/10

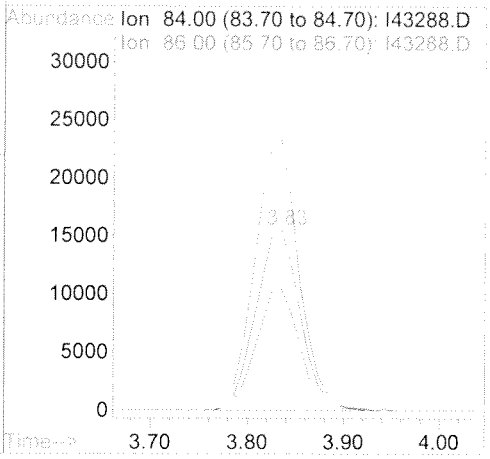


#16
Methylene Chloride
Concen: 7.34 ug/L
RT: 3.83 min Scan# 251
Delta R.T. 0.00 min
Lab File: I43288.D
Acq: 13 Aug 2010 12:04 am

Tgt Ion: 84 Resp: 49281

Ion	Ratio	Lower	Upper
84	100		
86	67.3	44.6	84.6
49	150.4	126.4	166.4

X



<10

39220

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

Lab Sample ID: 67494-5
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/13/10

CLIENT SAMPLE ID

Project Name: NASOWEY
Project Number:
Field Sample ID: FDS-6

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.2	U	1,1,2-Trichloroethane	2.2	U
Chloromethane	2.2	U	1,3-Dichloropropane	2.2	U
Vinyl Chloride	2.2	U	Tetrachloroethene	2.2	U
Bromomethane	2.2	U	2-Hexanone	11	U
Chloroethane	2.2	U	Dibromochloromethane	2.2	U
Trichlorofluoromethane	2.2	U	1,2-Dibromoethane	2.2	U
1,1-Dichloroethene	2.2	U	Chlorobenzene	2.2	U
Acetone	11	U	1,1,1,2-Tetrachloroethane	2.2	U
Methyl iodide	2.2	U	Ethylbenzene	2.2	U
Carbon Disulfide	2.2	U	o-Xylene	2.2	U
Methylene Chloride	11	**11**	m,p-Xylene	2.2	U
trans-1,2-Dichloroethene	2.2	U	Styrene	2.2	U
Methyl-tert-butyl ether (MTBE)	2.2	U	Bromoform	2.2	U
1,1-Dichloroethane	2.2	U	Isopropylbenzene	2.2	U
Vinyl acetate	5.5	U	1,1,2,2-Tetrachloroethane	2.2	U
Methyl ethyl ketone	11	U	Bromobenzene	2.2	U
cis-1,2-Dichloroethene	2.2	U	1,2,3-Trichloropropane	2.2	U
2,2-Dichloropropane	2.2	U	n-Propylbenzene	2.2	U
Bromochloromethane	2.2	U	2-Chlorotoluene	2.2	U
Chloroform	2.2	U	1,3,5-Trimethylbenzene	2.2	U
1,1,1-Trichloroethane	2.2	U	4-Chlorotoluene	2.2	U
1,1-Dichloropropene	2.2	U	tert-butylbenzene	2.2	U
Carbon Tetrachloride	2.2	U	1,2,4-Trimethylbenzene	2.2	U
1,2-Dichloroethane	2.2	U	sec-butylbenzene	2.2	U
Benzene	2.2	U	p-isopropyltoluene	2.2	U
Trichloroethene	2.2	U	1,3-Dichlorobenzene	2.2	U
1,2-Dichloropropane	2.2	U	1,4-Dichlorobenzene	2.2	U
Dibromomethane	2.2	U	n-butylbenzene	2.2	U
Bromodichloromethane	2.2	U	1,2-Dichlorobenzene	2.2	U
cis-1,3-Dichloropropene	2.2	U	1,2-Dibromo-3-chloropropane	2.2	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.2	U
Toluene	2.2	U	Hexachlorobutadiene	2.2	U
trans-1,3-Dichloropropene	2.2	U	Naphthalene	2.2	U
			1,2,3-Trichlorobenzene	2.2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	90 %	d8-Toluene	96 %	Bromofluorobenzen	93 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081210-I\I43289.D
Acq On : 13 Aug 2010 12:32 am
Sample : 67494-5
Misc : ,5.14,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 14:40 2010

Vial: 33
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/18/10

DF: (5)/(5.14g)(.88g) = 1.1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	150641	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	253073	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.57	117	217011	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	102987	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	7.30	65	130030	18.04 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 90.20%		
36) d4-1,2-Dichloroethane	7.30	65	130030	18.04 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 90.20%		
54) d8-Toluene	10.23	98	265450	19.17 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.85%		
73) Bromofluorobenzene	14.50	95	110402	18.52 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.60%		

Target Compounds					Qvalue
~~5)~~ Bromomethane	2.17	94	1668	~~Below Cal~~	97
~~12)~~ Acetone	3.03	43	13177	<10 ~~6.94~~ ug/L	95
~~14)~~ Methyl iodide	3.57	142	7055	~~1.35~~ ug/L #	88
16) Methylene Chloride	3.84	84	59947	10.29 ug/L	100

Report both runs

592210

(#) = qualifier out of range (m) = manual integration
I43289.D VS08120I.M Fri Aug 13 14:40:09 2010

Quantitation Report

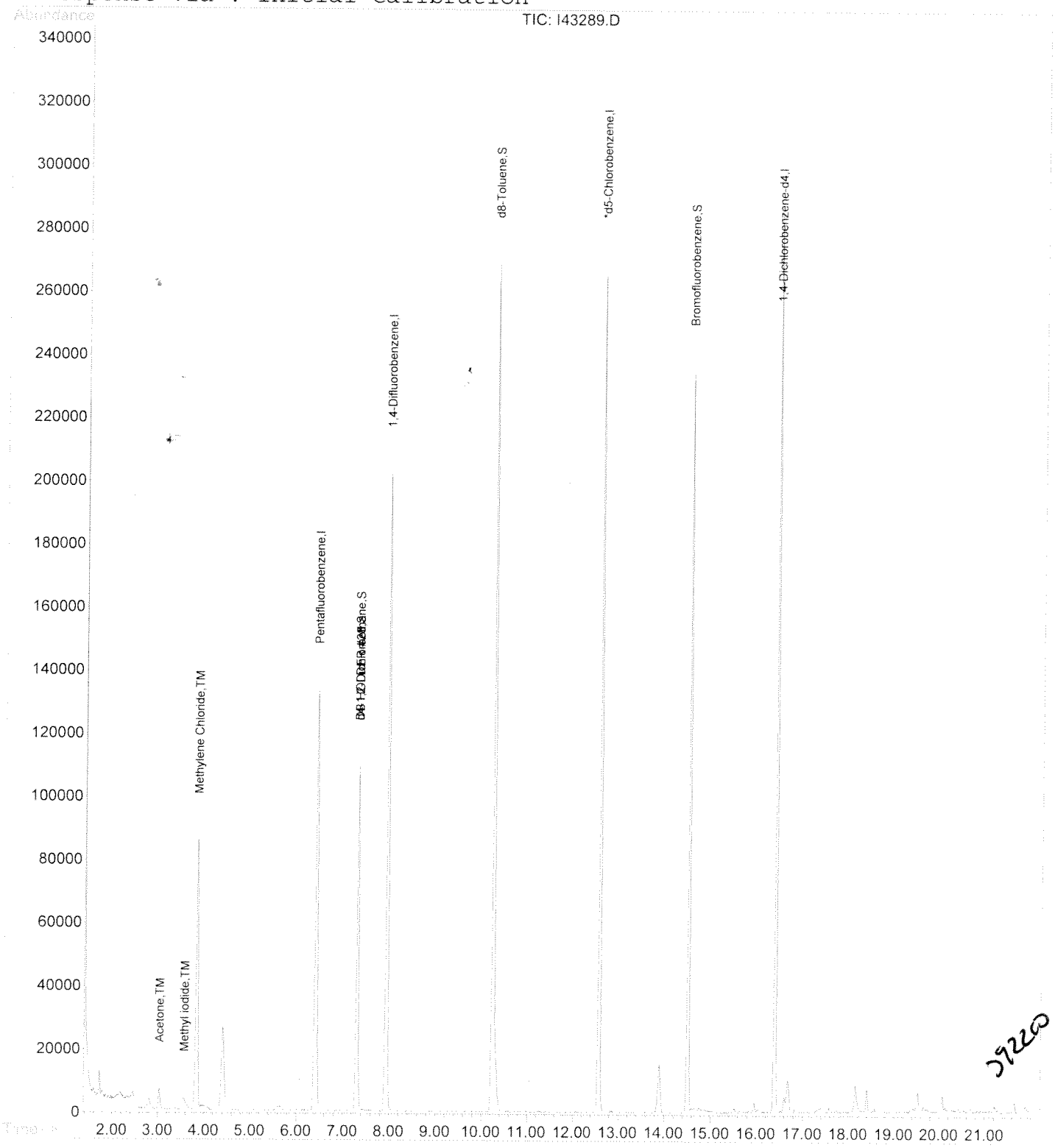
Data File : C:\HPCHEM\1\DATA\081210-I\I43289.D
Acq On : 13 Aug 2010 12:32 am
Sample : 67494-5
Misc : ,5.14,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 14:40 2010

Vial: 33
Operator: MT
Inst : Instrumen
Multiplr: 1.00

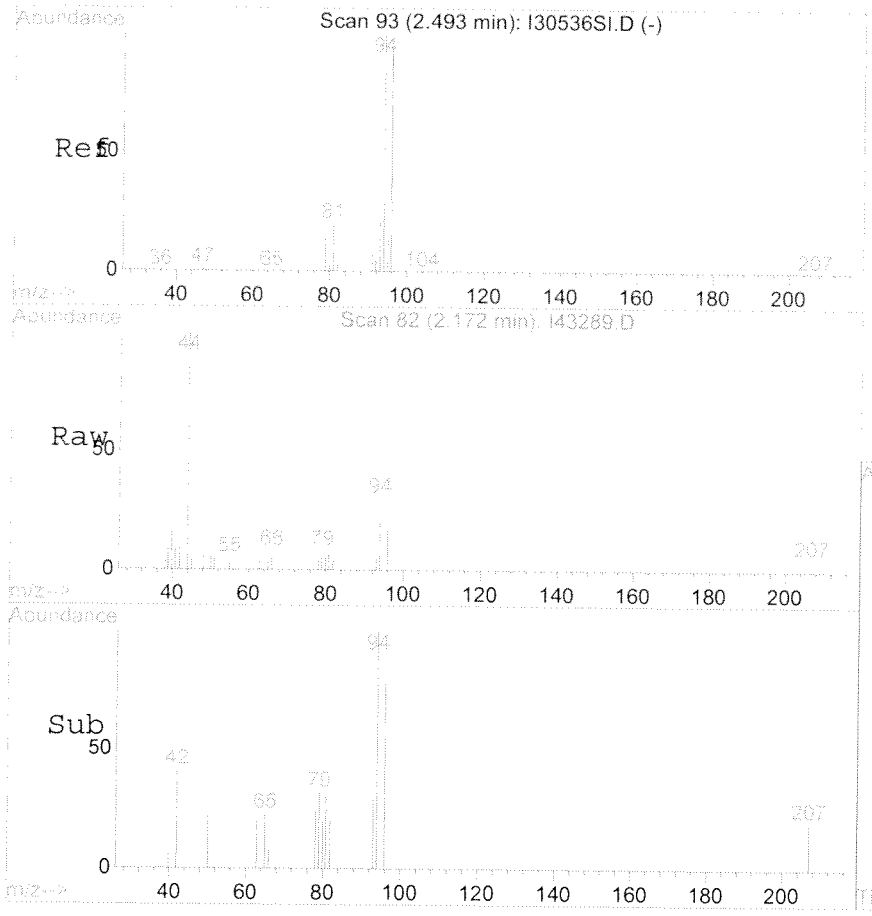
Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration

MT 8/18/10



39220



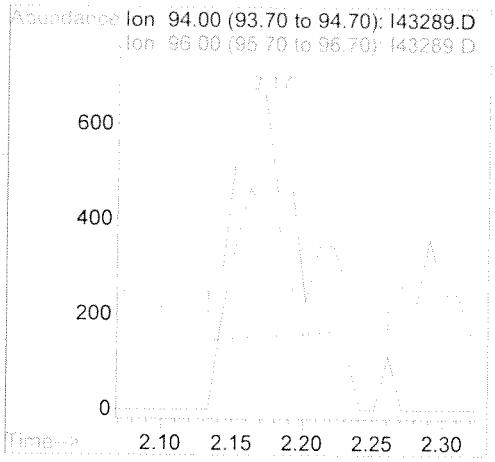
MT 8/18/10

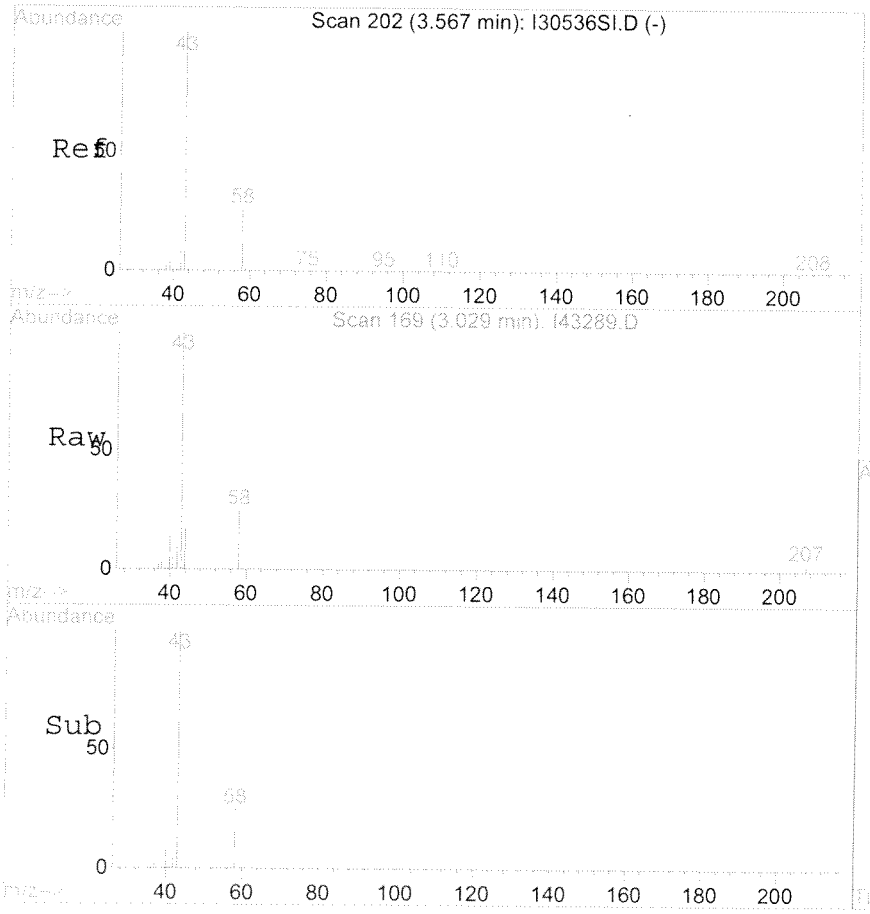
#5
Bromomethane
Concen: Below Cal
RT: 2.17 min Scan# 82
Delta R.T. 0.01 min
Lab File: I43289.D
Acq: 13 Aug 2010 12:32 am

Tgt Ion: 94 Resp: 1668

Ion	Ratio	Lower	Upper
94	100		
96	90.7	73.8	113.8

X





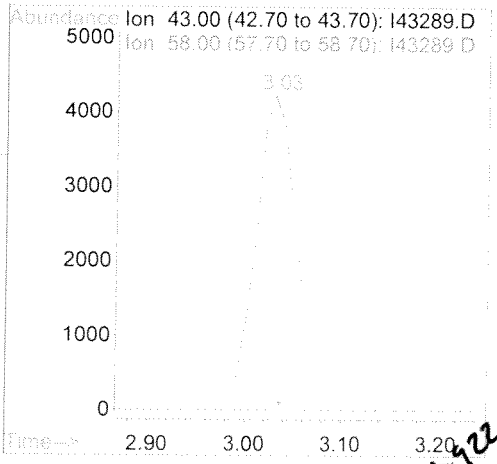
#12
Acetone
Concen: 6.94 ug/L
RT: 3.03 min Scan# 169
Delta R.T. 0.00 min
Lab File: I43289.D
Acq: 13 Aug 2010 12:32 am

Tgt Ion: 43 Resp: 13177

Ion	Ratio	Lower	Upper
43	100		
58	24.0	17.3	25.9

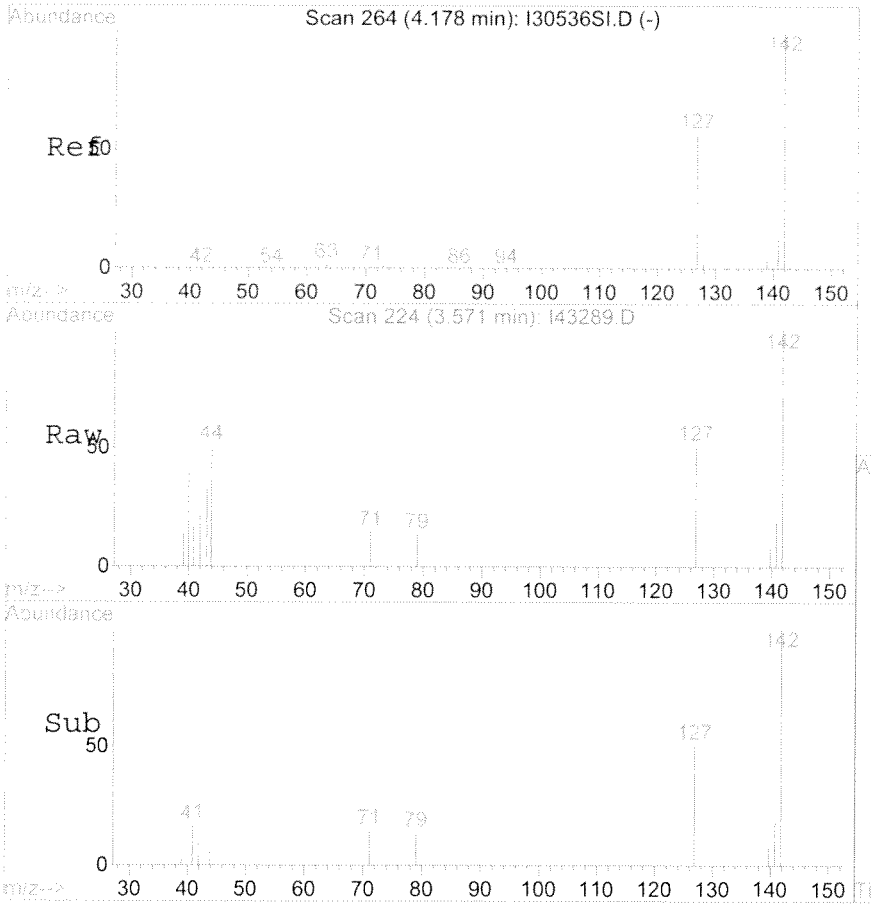
X

<10



8/22/10

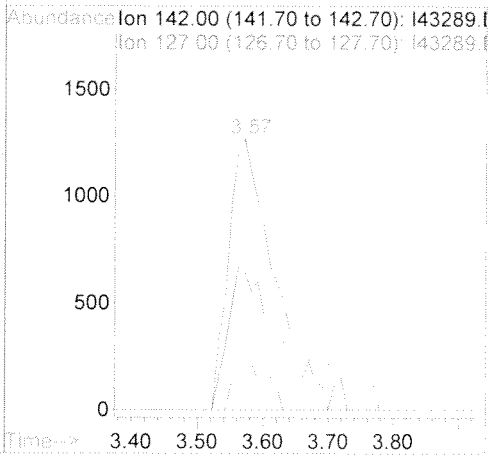
MT 8/18/10

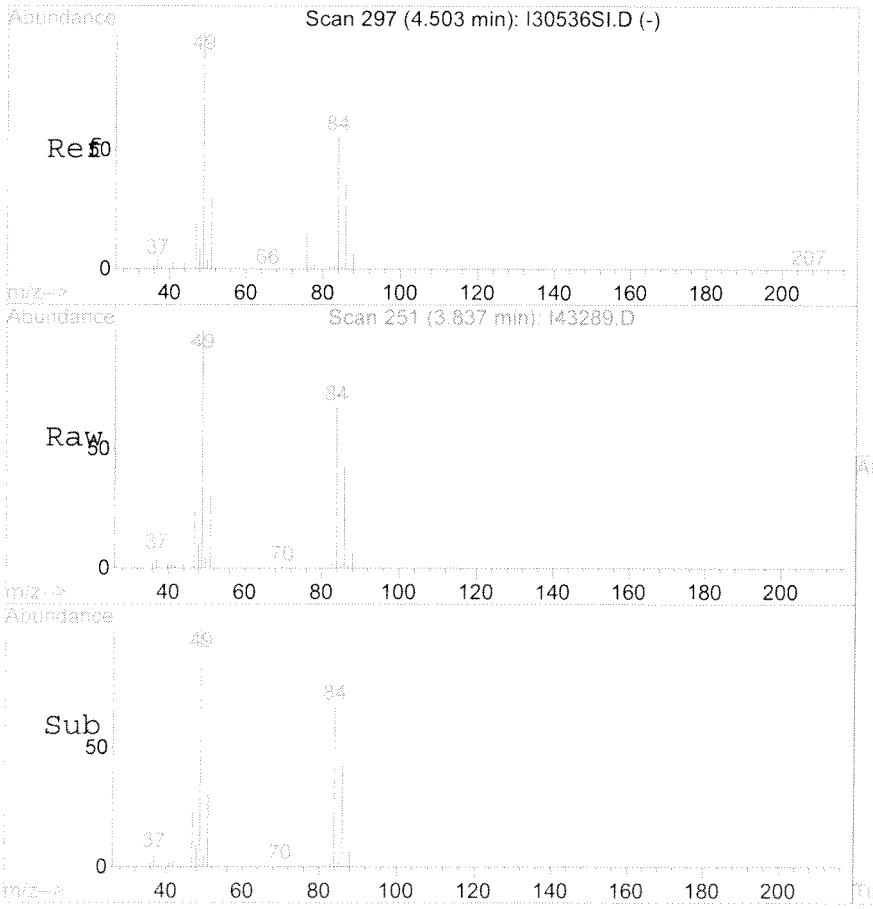


#14
Methyl iodide
Concen: 1.35 ug/L
RT: 3.57 min Scan# 224
Delta R.T. 0.01 min
Lab File: I43289.D
Acq: 13 Aug 2010 12:32 am

Tgt Ion:142 Resp: 7055

Ion	Ratio	Lower	Upper
142	100		
127	49.9	47.4	71.2
141	10.9	11.0	16.6#

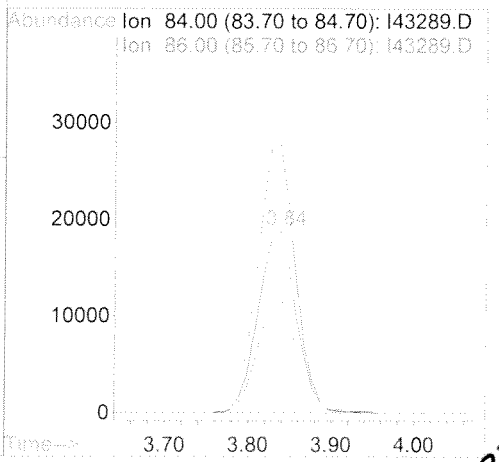




#16
Methylene Chloride
Concen: 10.29 ug/L
RT: 3.84 min Scan# 251
Delta R.T. 0.00 min
Lab File: I43289.D
Acq: 13 Aug 2010 12:32 am

Tgt Ion: 84 Resp: 59947

Ion	Ratio	Lower	Upper
84	100		
86	63.8	44.6	84.6
49	146.6	126.4	166.4



392260

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

Lab Sample ID: 67494-5 RR
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/16/10

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Field Sample ID: FDS-6

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.9	U	1,1,2-Trichloroethane	2.9	U
Chloromethane	2.9	U	1,3-Dichloropropane	2.9	U
Vinyl Chloride	2.9	U	Tetrachloroethene	2.9	U
Bromomethane	2.9	U	2-Hexanone	14	U
Chloroethane	2.9	U	Dibromochloromethane	2.9	U
Trichlorofluoromethane	2.9	U	1,2-Dibromoethane	2.9	U
1,1-Dichloroethene	2.9	U	Chlorobenzene	2.9	U
Acetone	14	**27**	1,1,1,2-Tetrachloroethane	2.9	U
Methyl iodide	2.9	U	Ethylbenzene	2.9	U
Carbon Disulfide	2.9	U	o-Xylene	2.9	U
Methylene Chloride	14	U	m,p-Xylene	2.9	U
trans-1,2-Dichloroethene	2.9	U	Styrene	2.9	U
Methyl-tert-butyl ether (MTBE)	2.9	U	Bromoform	2.9	U
1,1-Dichloroethane	2.9	U	Isopropylbenzene	2.9	U
Vinyl acetate	7.2	U	1,1,2,2-Tetrachloroethane	2.9	U
Methyl ethyl ketone	14	U	Bromobenzene	2.9	U
cis-1,2-Dichloroethene	2.9	U	1,2,3-Trichloropropane	2.9	U
2,2-Dichloropropane	2.9	U	n-Propylbenzene	2.9	U
Bromochloromethane	2.9	U	2-Chlorotoluene	2.9	U
Chloroform	2.9	U	1,3,5-Trimethylbenzene	2.9	U
1,1,1-Trichloroethane	2.9	U	4-Chlorotoluene	2.9	U
1,1-Dichloropropene	2.9	U	tert-butylbenzene	2.9	U
Carbon Tetrachloride	2.9	U	1,2,4-Trimethylbenzene	2.9	U
1,2-Dichloroethane	2.9	U	sec-butylbenzene	2.9	U
Benzene	2.9	U	p-isopropyltoluene	2.9	U
Trichloroethene	2.9	U	1,3-Dichlorobenzene	2.9	U
1,2-Dichloropropane	2.9	U	1,4-Dichlorobenzene	2.9	U
Dibromomethane	2.9	U	n-butylbenzene	2.9	U
Bromodichloromethane	2.9	U	1,2-Dichlorobenzene	2.9	U
cis-1,3-Dichloropropene	2.9	U	1,2-Dibromo-3-chloropropane	2.9	U
Methyl isobutyl ketone	14	U	1,2,4-Trichlorobenzene	2.9	U
Toluene	2.9	U	Hexachlorobutadiene	2.9	U
trans-1,3-Dichloropropene	2.9	U	Naphthalene	2.9	U
			1,2,3-Trichlorobenzene	2.9	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	86 %	d8-Toluene	96 %	Bromofluorobenzen	91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\081610-I\I43334.D
Acq On : 16 Aug 2010 4:48 pm
Sample : 67494-5
Misc : ,3.92,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

Vial: 15
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/18/10

DF = (5)/(3.92g)(.88g) = 1.4

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	143258	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	235078	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.57	117	207194 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	99478	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	7.30	65	117335	17.12 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	85.60% ✓	
36) d4-1,2-Dichloroethane	7.30	65	117335	17.12 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	85.60% ✓	
54) d8-Toluene	10.24	98	247107	19.21 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	96.05% ✓	
73) Bromofluorobenzene	14.50	95	104028	18.28 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	91.40% ✓	

Target Compounds					Qvalue
~~5)~~ Bromomethane	2.17	94	1657	~~Below~~ Cal	89
12) Acetone	3.03	43	34282	✓18.99 ug/L	92
~~14)~~ Methyl iodide	3.59	142	4544 NT/<5	~~0.92~~ ug/L #	89
~~16)~~ Methylene Chloride	3.84	84	51341	<10 ~~8.86~~ ug/L	98

Reporting both runs.

292220

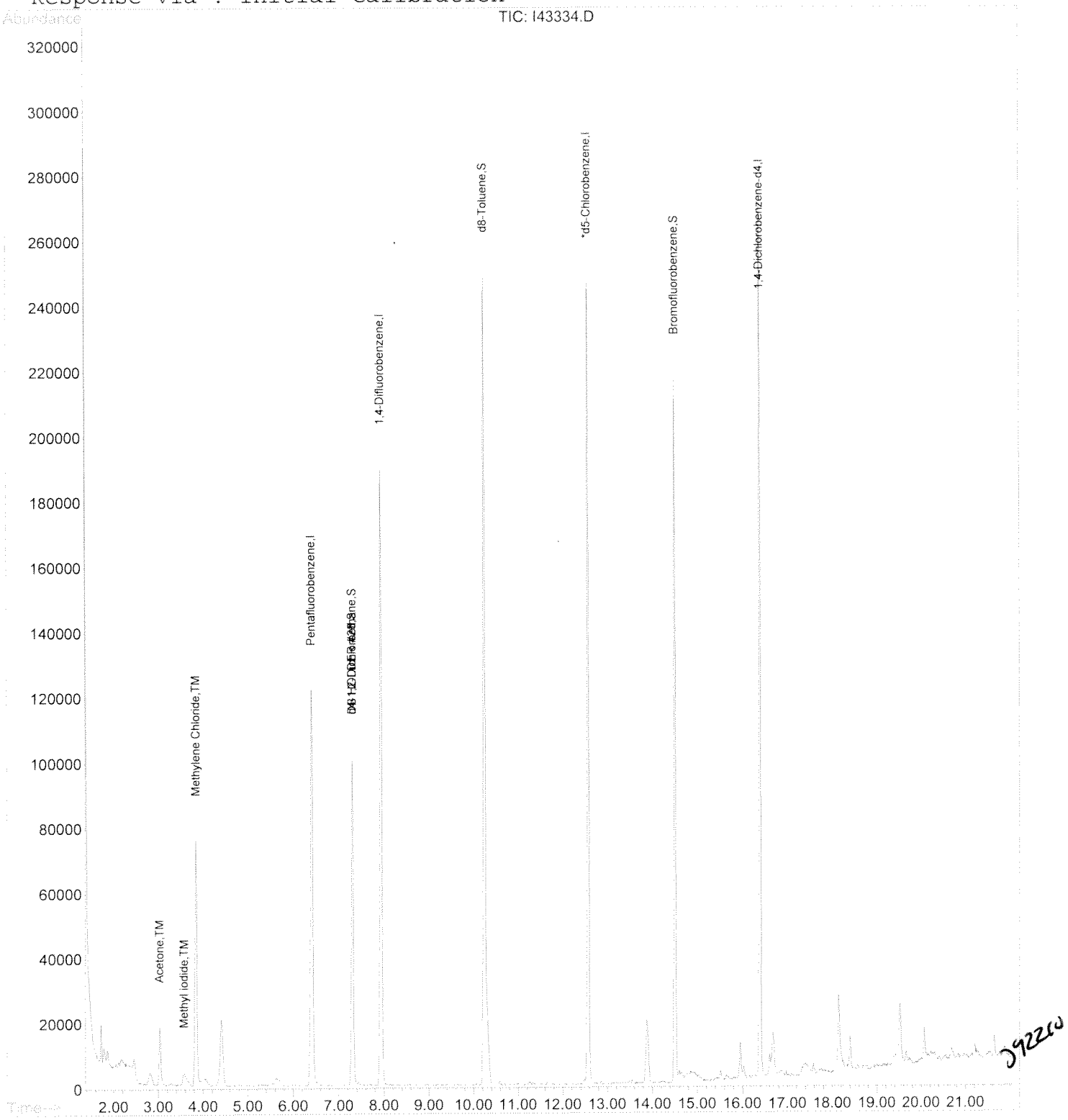
(#) = qualifier out of range (m) = manual integration
I43334.D VS08120I.M Wed Aug 18 07:30:52 2010

Data File : C:\HPCHEM\1\DATA\081610-I\I43334.D
Acq On : 16 Aug 2010 4:48 pm
Sample : 67494-5
Misc : ,3.92,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

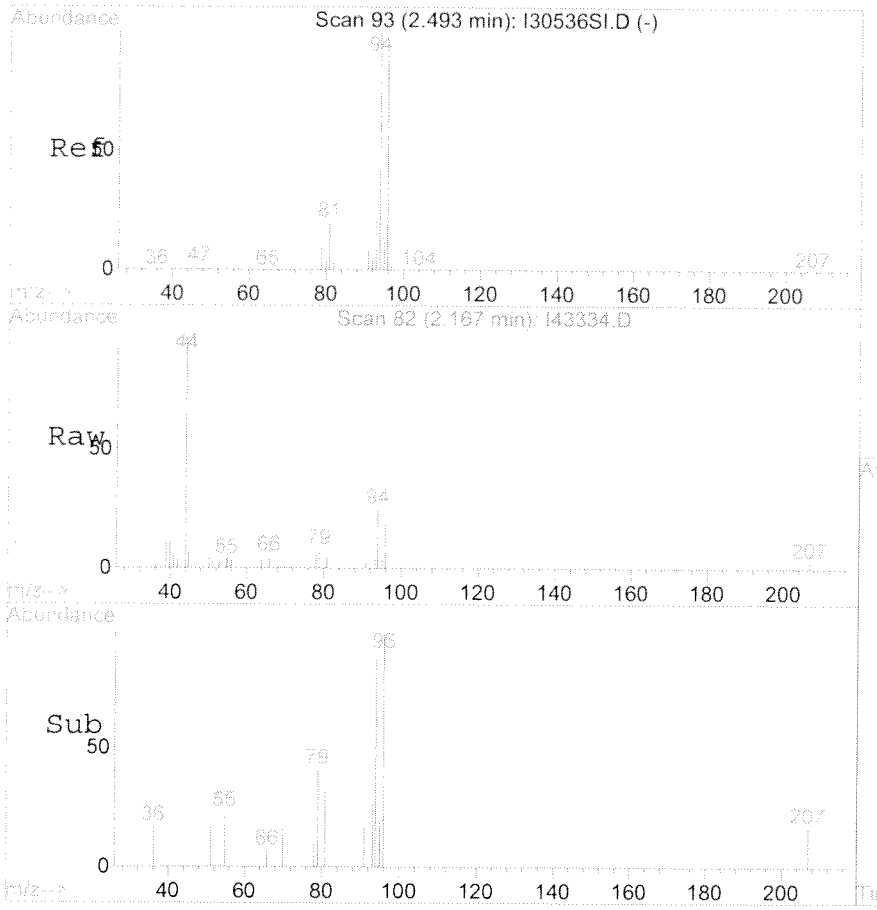
Vial: 15
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration

MT 8/18/10



392210

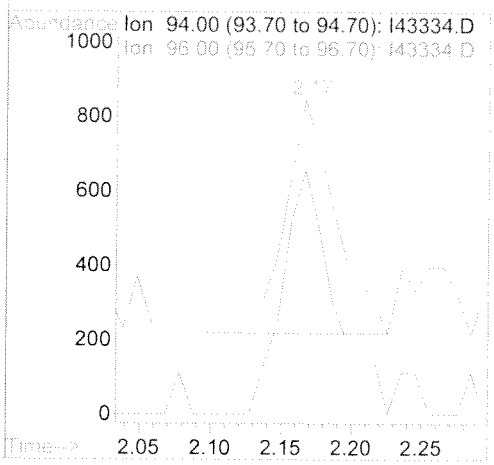


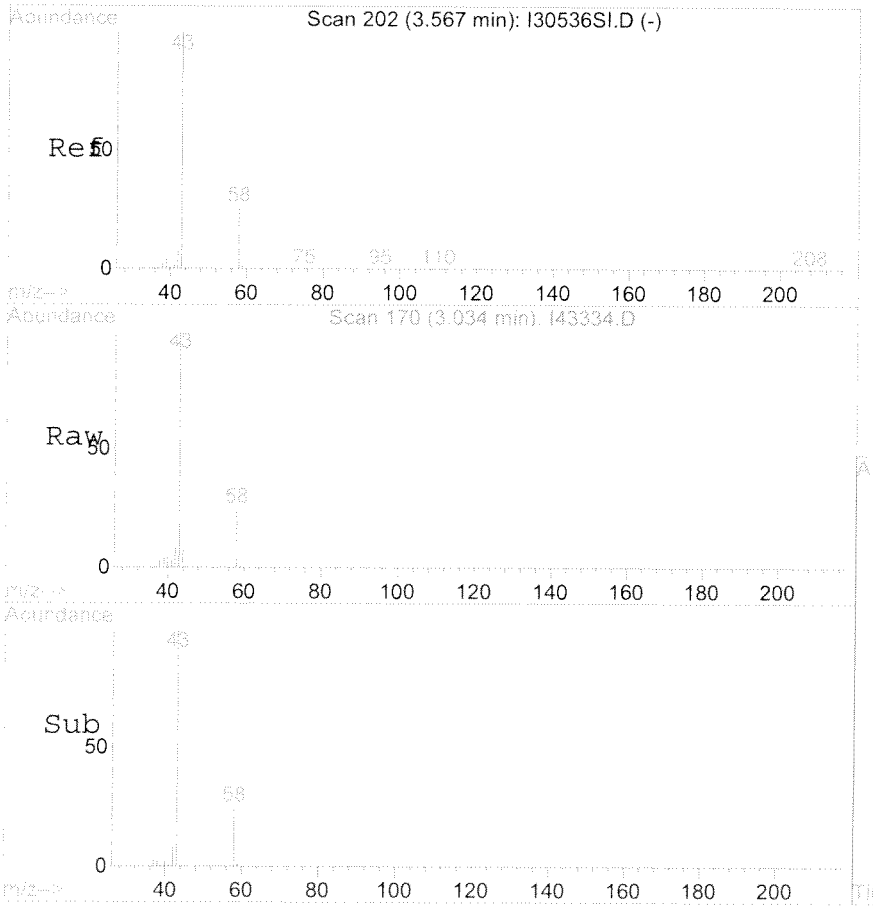
MT 8/18/10

#5
Bromomethane
Concen: Below Cal
RT: 2.17 min Scan# 82
Delta R.T. 0.01 min
Lab File: I43334.D
Acq: 16 Aug 2010 4:48 pm

Tgt Ion: 94 Resp: 1657

Ion	Ratio	Lower	Upper
94	100		
96	104.6	73.8	113.8

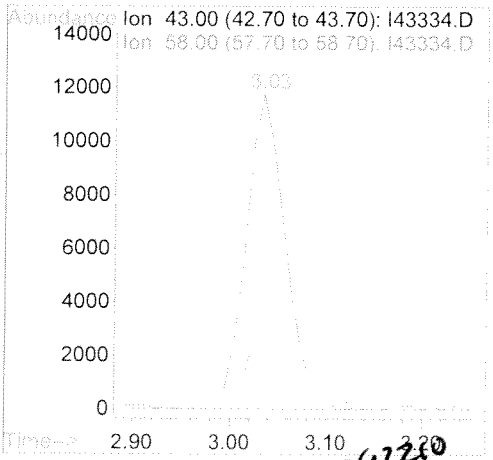


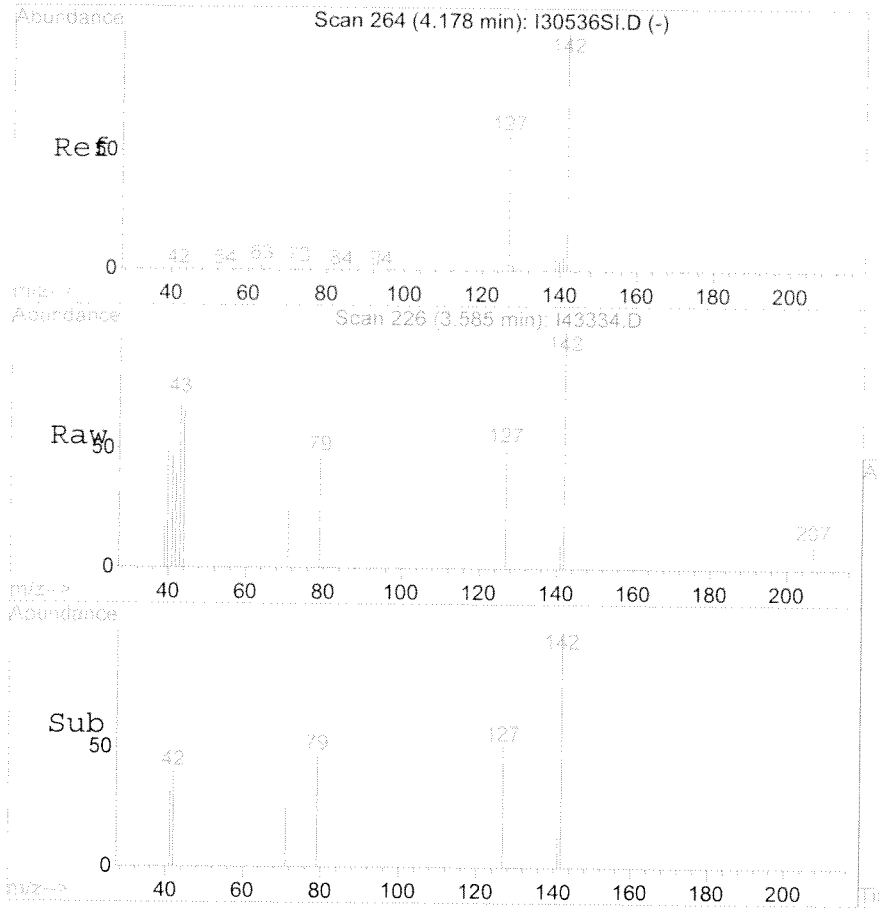


#12
Acetone
Concen: 18.99 ug/L
RT: 3.03 min Scan# 170
Delta R.T. 0.01 min
Lab File: I43334.D
Acq: 16 Aug 2010 4:48 pm

Tgt Ion: 43 Resp: 34282

Ion	Ratio	Lower	Upper
43	100		
58	25.5	17.3	25.9





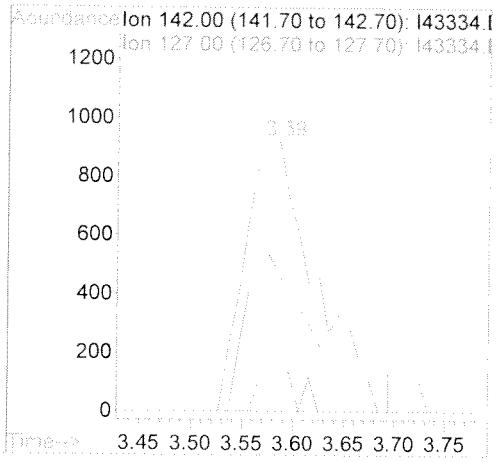
MT 8/18/10

#14
Methyl iodide
Concen: 0.92 ug/L
RT: 3.59 min Scan# 226
Delta R.T. 0.03 min
Lab File: I43334.D
Acq: 16 Aug 2010 4:48 pm

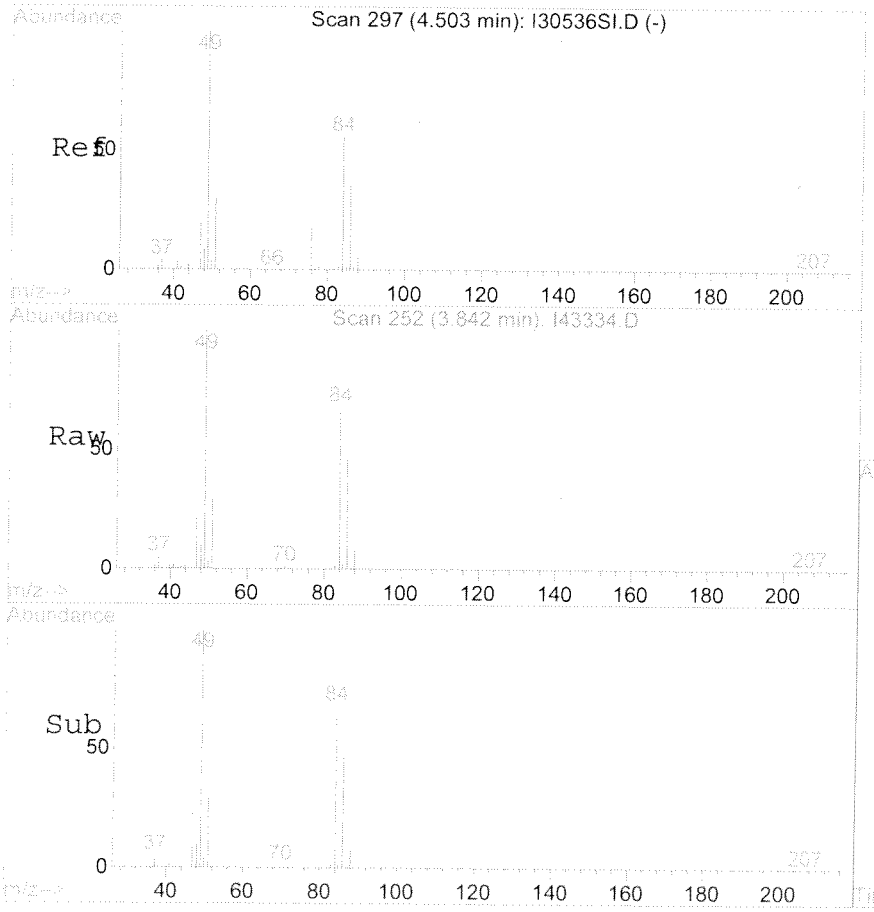
Tgt Ion:142 Resp: 4544

Ion	Ratio	Lower	Upper
142	100		
127	51.8	47.4	71.2
141	8.3	11.0	16.6#

X



MT/CJ



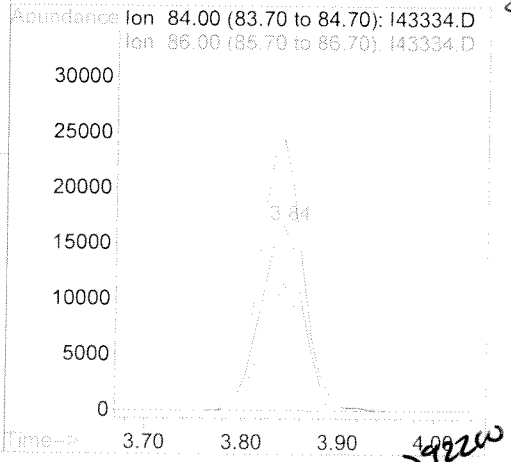
#16
Methylene Chloride
Concen: 8.86 ug/L
RT: 3.84 min Scan# 252
Delta R.T. 0.01 min
Lab File: I43334.D
Acq: 16 Aug 2010 4:48 pm

Tgt Ion: 84 Resp: 51341

Ion	Ratio	Lower	Upper
84	100		
86	68.7	44.6	84.6
49	146.7	126.4	166.4

X

<10



JRZ 8/20

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

SAMPLE DATA

Lab Sample ID: 67494-7
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/12/10

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	**14**	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	102 %	d8-Toluene	100 %	Bromofluorobenzen	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\081210-I\I43283.D
Acq On : 12 Aug 2010 9:44 pm
Sample : 67494-7
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 13:40 2010

Vial: 27
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 07:07:20 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/18/10

DF= (5)/(5.00)(1.000) = 1.0

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	122476	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	196859	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.57	117	176383 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	82676	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	7.30	65	119038	20.32 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.60% ✓		
36) d4-1,2-Dichloroethane	7.30	65	119038	20.32 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.60% ✓		
54) d8-Toluene	10.23	98	214752	19.93 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.65% ✓		
73) Bromofluorobenzene	14.50	95	94137	19.43 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.15% ✓		

Target Compounds					Qvalue
~~5)~~ Bromomethane	2.17	94	1513	~~Below Cal~~	98
~~9)~~ Diethyl ether	2.80	74	1687	MJ ~~1.13~~ ug/L #	57
~~12)~~ Acetone	3.04	43	7615	<10 ~~3.97~~ ug/L	100
~~14)~~ Methyl iodide	3.58	142	7134	MT/MJ ~~1.68~~ ug/L #	91
(16) Methylene Chloride	3.84	84	60212	✓13.70 ug/L	96
~~96)~~ Naphthalene	20.13	128	4875	<J ~~0.53~~ ug/L	97

592210

(#) = qualifier out of range (m) = manual integration
I43283.D VS08120I.M Fri Aug 13 14:39:48 2010

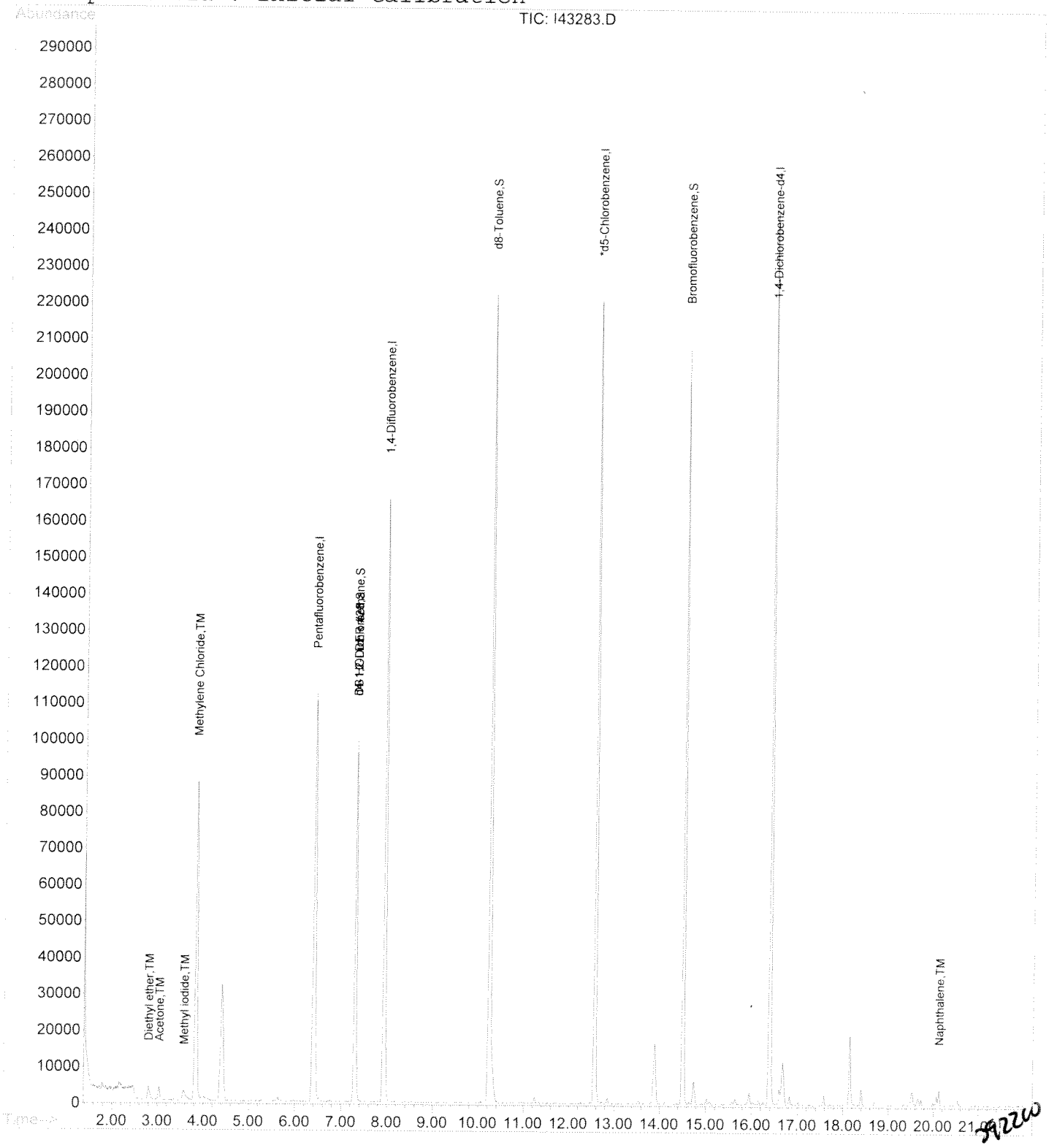
Quantitation Report

Data File : C:\HPCHEM\1\DATA\081210-I\I43283.D
Acq On : 12 Aug 2010 9:44 pm
Sample : 67494-7
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 13:40 2010

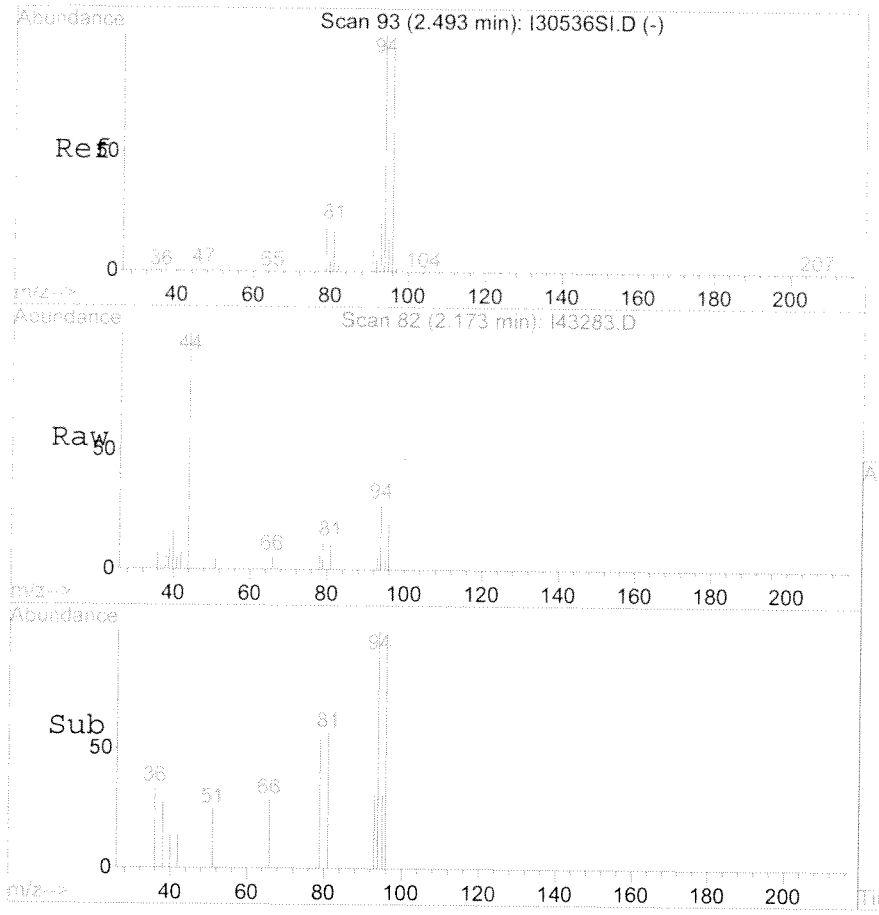
Vial: 27
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration



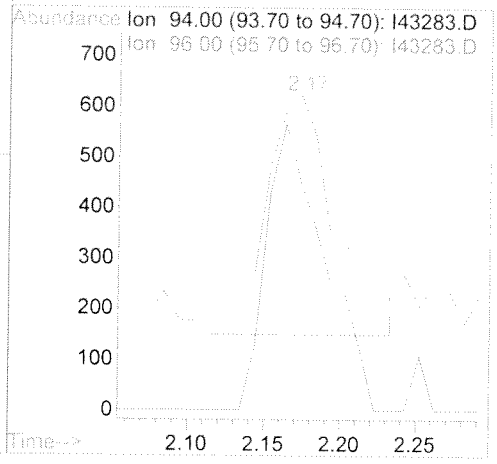
MT 8/18/10

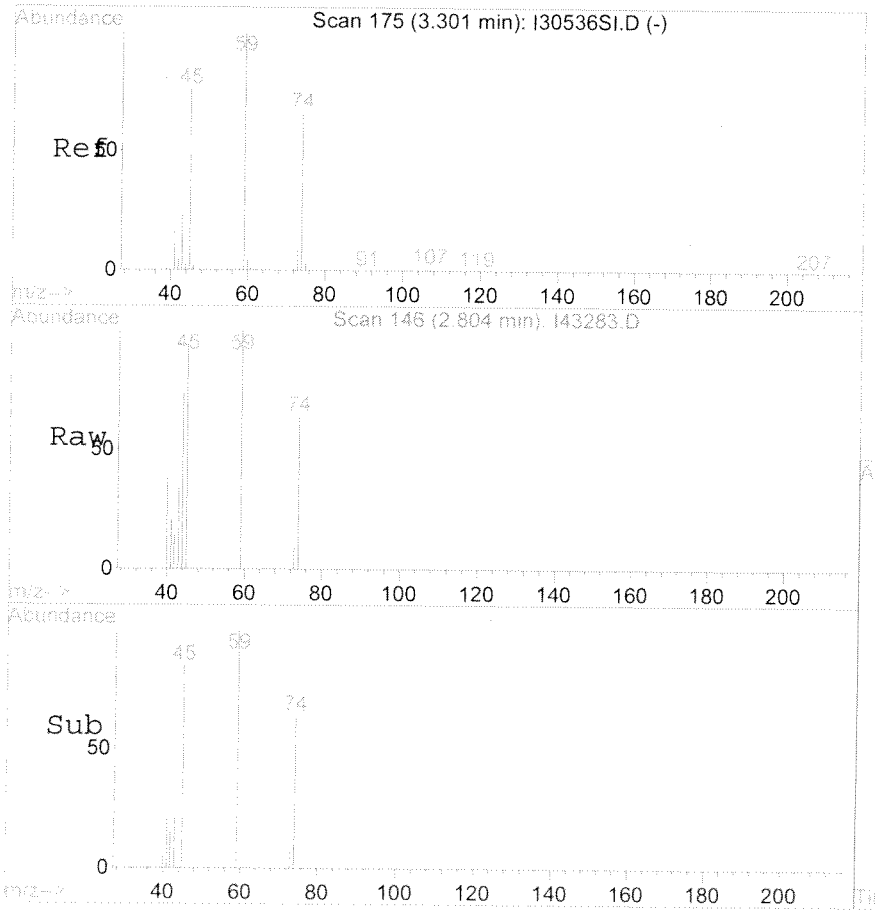


#5
Bromomethane
Concen: Below Cal
RT: 2.17 min Scan# 82
Delta R.T. 0.01 min
Lab File: I43283.D
Acq: 12 Aug 2010 9:44 pm

Tgt Ion: 94 Resp: 1513

Ion	Ratio	Lower	Upper
94	100		
96	95.3	73.8	113.8

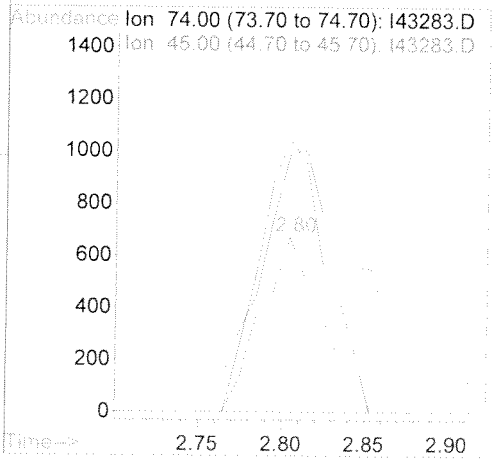




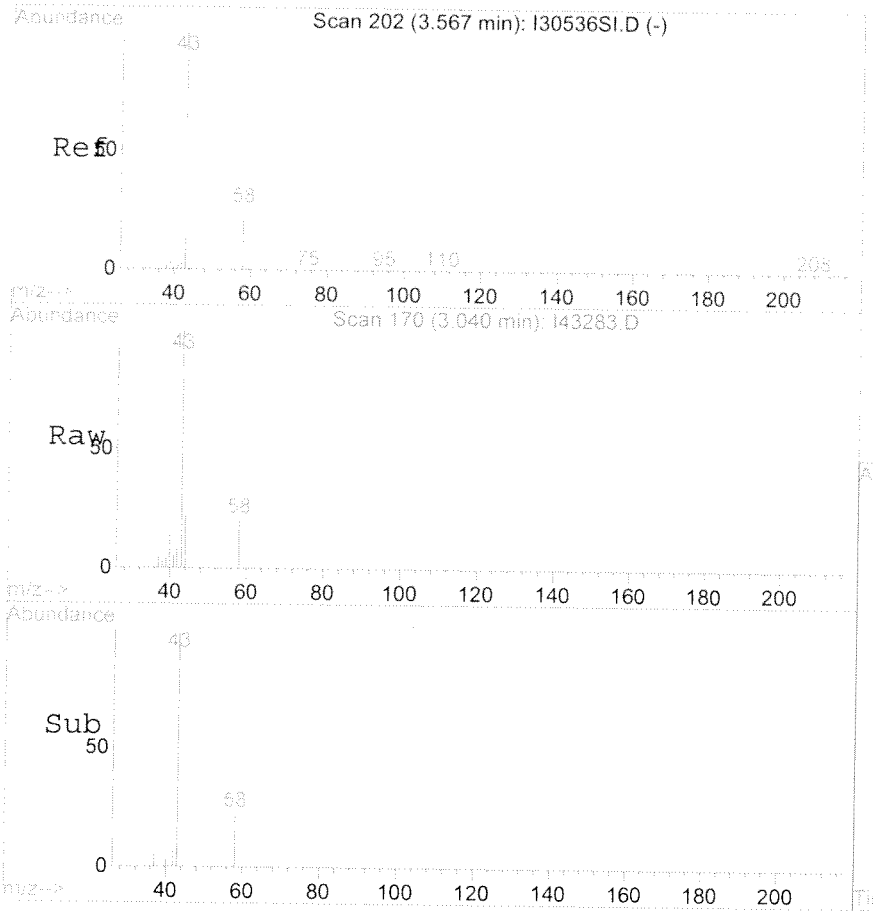
#9
Diethyl ether
Concen: 1.13 ug/L
RT: 2.80 min Scan# 146
Delta R.T. 0.00 min
Lab File: I43283.D
Acq: 12 Aug 2010 9:44 pm

Tgt Ion: 74 Resp: 1687

Ion	Ratio	Lower	Upper
74	100		
45	249.4	107.8	161.8#
59	172.5	137.2	205.8



NO

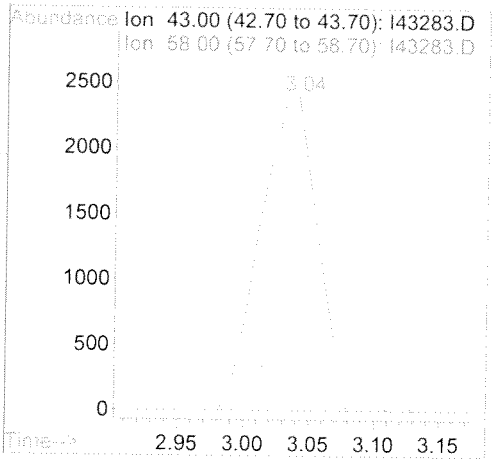


#12 MT 8/18/10
Acetone
Concen: 3.97 ug/L
RT: 3.04 min Scan# 170
Delta R.T. 0.01 min
Lab File: I43283.D
Acq: 12 Aug 2010 9:44 pm

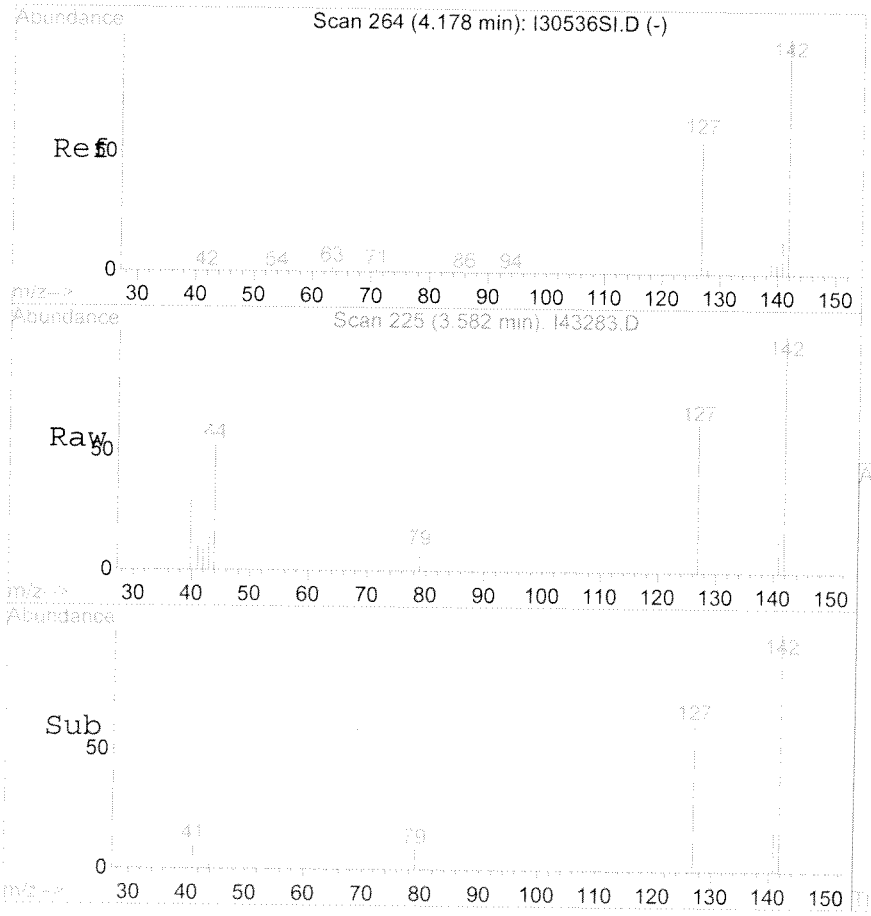
Tgt Ion: 43 Resp: 7615

Ion	Ratio	Lower	Upper
43	100		
58	21.5	17.3	25.9

X



<10

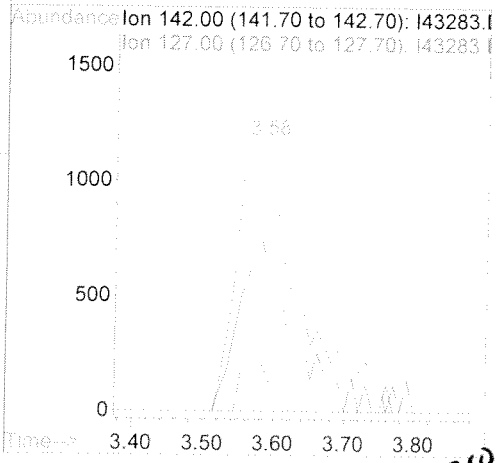


#14
Methyl iodide
Concen: 1.68 ug/L
RT: 3.58 min Scan# 225
Delta R.T. 0.02 min
Lab File: I43283.D
Acq: 12 Aug 2010 9:44 pm

Tgt Ion:142 Resp: 7134

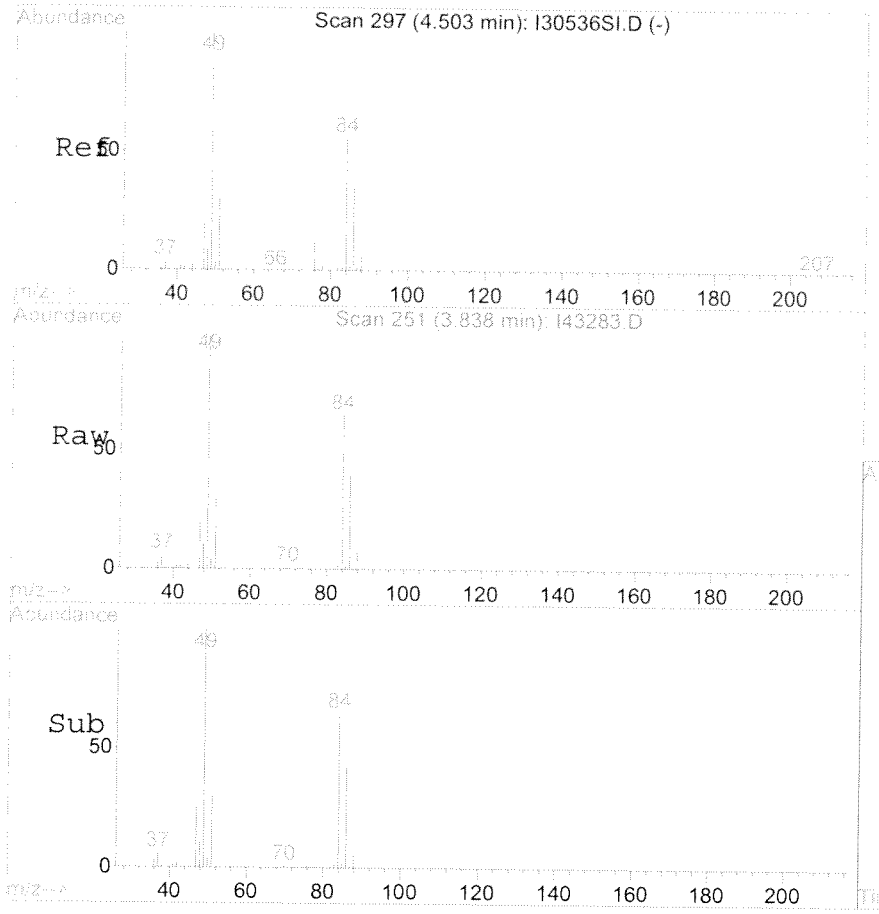
Ion	Ratio	Lower	Upper
142	100		
127	52.5	47.4	71.2
141	9.3	11.0	16.6#

X



MT/20

292210

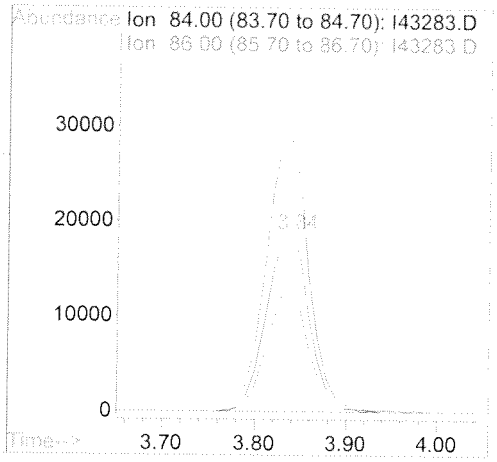


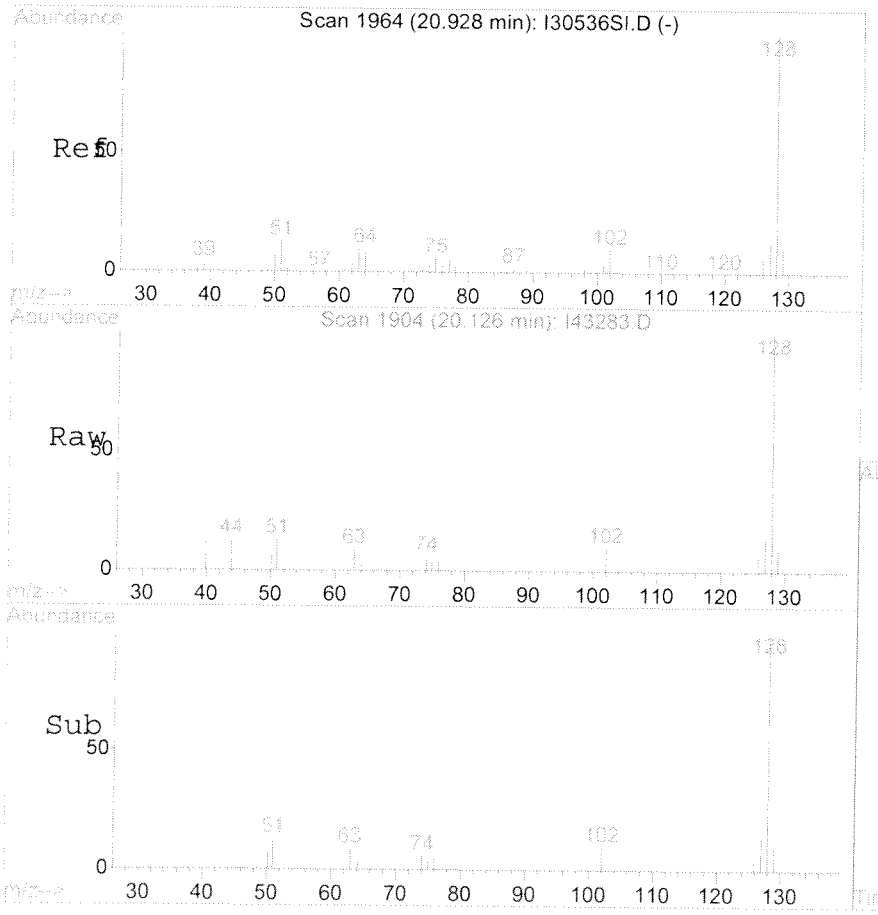
MT 8/18/10

#16
Methylene Chloride
Concen: 13.70 ug/L
RT: 3.84 min Scan# 251
Delta R.T. 0.00 min
Lab File: I43283.D
Acq: 12 Aug 2010 9:44 pm

Tgt Ion: 84 Resp: 60212

Ion	Ratio	Lower	Upper
84	100		
86	64.1	44.6	84.6
49	152.8	126.4	166.4

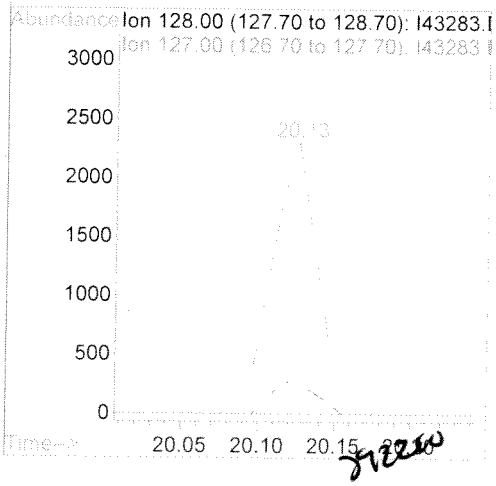




#96
Naphthalene
Concen: 0.53 ug/L
RT: 20.13 min Scan# 1904
Delta R.T. 0.00 min
Lab File: I43283.D
Acq: 12 Aug 2010 9:44 pm

Tgt Ion:128 Resp: 4875

Ion	Ratio	Lower	Upper
128	100		
127	14.2	0.0	32.6
129	10.2	0.0	30.9



VOLATILE
QC FORMS

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67494

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	95		99		96	
LL08120I	96		98		97	
LL08120I2	93		99		94	
LB08120I	98		99		95	
67494-7	102		100		97	
67494-1	103		101		98	
67494-2	103		98		100	
67494-4	91		98		94	
67494-5	90		96		93	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67494

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	89		94		94	
LL08160I	89		96		91	
LL08160I2	88		96		92	
LB08160B	89		98		93	
67494-3	88		98		91	
67494-5	86		96		91	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

MT 8/13/10

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

JL 08/13/10

SDG:
Non-spiked sample: LB081201
Spike: LL081201
Spike duplicate: LL081201 2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	20	75	125	25	0.0	18	92		18	92		1	
Chloromethane	20	20	75	125	25	0.0	20	98		19	95		3	
Vinyl Chloride	20	20	75	125	25	0.0	19	96		19	96		1	
Bromomethane	20	20	75	125	25	0.0	19	95		18	90		5	
Chloroethane	20	20	75	125	25	0.0	20	100		20	99		1	
t-Butyl alcohol (TBA)	100	100	75	125	25	0.0	118	118		102	102		15	
Trichlorofluoromethane	20	20	75	125	25	0.0	17	86		17	86		0	
Diethyl ether	20	20	75	125	25	0.0	23	113		21	106		6	
1,1,2-Trichlorotrifluoroethane	20	20	75	125	25	0.0	19	94		18	91		3	
Acetone	100	100	75	125	25	0.0	123	123		108	108		13	
1,1-Dichloroethene	20	20	75	125	25	0.0	20	99		19	97		3	
Methyl iodide	20	20	75	125	25	0.0	24	118		24	119		1	
Di-isopropyl ether (DIPE)	20	20	75	125	25	0.0	23	114		22	109		5	
Methylene Chloride	20	20	75	125	25	0.0	20	102		18	92		11	
Carbon Disulfide	20	20	75	125	25	0.0	22	108		21	106		3	
Methyl-tert-butyl ether (MTBE)	40	40	75	125	25	0.0	46	116		44	109		6	
trans-1,2-Dichloroethene	20	20	75	125	25	0.0	21	104		20	100		4	
1,1-Dichloroethane	20	20	75	125	25	0.0	21	104		20	101		3	
Vinyl acetate	20	20	75	125	25	0.0	20	100		18	90		10	
Methyl ethyl ketone	100	100	75	125	25	0.0	133	133	*M	114	114 ✓		15	
Ethyl t-butyl ether (ETBE)	20	20	75	125	25	0.0	23	113		21	107		5	
2,2-Dichloropropane	20	20	75	125	25	0.0	20	100		20	99		1	
cis-1,2-Dichloroethene	20	20	75	125	25	0.0	22	108		21	103		4	
t-Amyl methyl ether (TAME)	20	20	75	125	25	0.0	23	114		21	106		7	
Chloroform	20	20	75	125	25	0.0	21	105		20	99		5	
Bromochloromethane	20	20	75	125	25	0.0	22	112		21	106		6	
Tetrahydrofuran	20	20	75	125	25	0.0	24	120		22	110		9	
1,1,1-Trichloroethane	20	20	75	125	25	0.0	21	103		20	100		3	
1,1-Dichloropropene	20	20	75	125	25	0.0	20	102		20	101		1	
Carbon Tetrachloride	20	20	75	125	25	0.0	20	101		20	99		2	
1,2-Dichloroethane	20	20	75	125	25	0.0	21	104		20	98		6	
Benzene	20	20	75	125	25	0.0	21	105		20	101		4	
Trichloroethene	20	20	75	125	25	0.0	21	104		20	100		4	
1,2-Dichloropropane	20	20	75	125	25	0.0	21	107		20	102		5	
Methylmethacrylate	20	20	75	125	25	0.0	24	118		22	108		9	
Bromodichloromethane	20	20	75	125	25	0.0	21	106		20	100		6	
Dibromomethane	20	20	75	125	25	0.0	21	107		20	102		5	
1,4-Dioxane	500	500	75	125	25	0.0	581	116		515	103		12	
2-Hexanone	100	100	75	125	25	0.0	128	128	*M	114	114 ✓		12	
Methyl isobutyl ketone	100	100	75	125	25	0.0	126	126	*M	115	115 ✓		9	
cis-1,3-Dichloropropene	20	20	75	125	25	0.0	22	111		21	106		5	
Toluene	20	20	75	125	25	0.0	21	106		21	103		3	
trans-1,3-Dichloropropene	20	20	75	125	25	0.0	20	99		19	94		5	
1,1,2-Trichloroethane	20	20	75	125	25	0.0	22	112		21	105		6	
1,3-Dichloropropane	20	20	75	125	25	0.0	22	110		21	104		6	
Tetrachloroethene	20	20	75	125	25	0.0	24	120		22	108		11	
Dibromochloromethane	20	20	75	125	25	0.0	22	110		21	105		5	
1,2-Dibromoethane	20	20	75	125	25	0.0	22	111		21	105		6	
Chlorobenzene	20	20	75	125	25	0.0	22	111		21	105		5	
1,1,1,2-Tetrachloroethane	20	20	75	125	25	0.0	22	111		21	106		5	
Ethylbenzene	20	20	75	125	25	0.0	22	109		21	104		4	
m,p-Xylene	40	40	75	125	25	0.0	44	110		42	106		4	
o-Xylene	20	20	75	125	25	0.0	22	111		21	105		5	
Styrene	20	20	75	125	25	0.0	23	114		22	109		5	
Bromoform	20	20	75	125	25	0.0	23	114		21	104		9	

VOA FORM 3

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

MT 8/13/10

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: LB081201
Spike: LL081201
Spike duplicate: LL081201 2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Isopropylbenzene	20	20	75	125	25	0.0	19	96		19	93		3	
1,1,2,2-Tetrachloroethane	20	20	75	125	25	0.0	22	111		20	100		10	
1,2,3-Trichloropropane	20	20	75	125	25	0.0	22	110		20	101		9	
trans-1,4-Dichloro-2-butene	20	20	75	125	25	0.0	22	109		20	101		8	
n-Propylbenzene	20	20	75	125	25	0.0	22	108		21	103		5	
Bromobenzene	20	20	75	125	25	0.0	23	113		21	107		5	
1,3,5-Trimethylbenzene	20	20	75	125	25	0.0	22	110		21	105		5	
2-Chlorotoluene	20	20	75	125	25	0.0	21	106		21	103		3	
4-Chlorotoluene	20	20	75	125	25	0.0	21	105		20	100		5	
tert-butylbenzene	20	20	75	125	25	0.0	23	116		23	115		0	
1,2,4-Trimethylbenzene	20	20	75	125	25	0.0	21	107		21	105		2	
sec-butylbenzene	20	20	75	125	25	0.0	22	111		21	107		3	
p-isopropyltoluene	20	20	75	125	25	0.0	21	107		21	103		4	
1,3-Dichlorobenzene	20	20	75	125	25	0.0	22	109		21	104		4	
1,4-Dichlorobenzene	20	20	75	125	25	0.0	22	111		21	106		4	
n-butylbenzene	20	20	75	125	25	0.0	22	111		22	110		0	
1,2-Dichlorobenzene	20	20	75	125	25	0.0	23	113		22	109		3	
1,2-Dibromo-3-chloropropane	20	20	75	125	25	0.0	23	116		21	103		11	
1,2,4-Trichlorobenzene	20	20	75	125	25	0.0	22	110		22	108		2	
Hexachlorobutadiene	20	20	75	125	25	0.0	23	116		22	111		4	
Naphthalene	20	20	75	125	25	0.0	27	133	* M	24	119 ✓		11	
1,2,3-Trichlorobenzene	20	20	75	125	25	0.0	24	121		22	112		7	
1,3,5-Trichlorobenzene	20	20	75	125	25	0.0	23	113		22	110		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

/JL
08-13-10

VOA FORM 3

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081210-I\I43276Q.D
Acq On : 12 Aug 2010 6:28 pm
Sample : LL08120I
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 13:57 2010

Vial: 20
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

08-18-10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	141613	20.00 ug/L	0.01
39) 1,4-Difluorobenzene	7.94	114	234091	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.57	117	202741 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.39	152	99703	20.00 ug/L	0.01

System Monitoring Compounds					
28) DB HOLDER #28	7.30	65	129495	19.11 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.55% ✓	
36) d4-1,2-Dichloroethane	7.30	65	129495	19.11 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.55% ✓	
54) d8-Toluene	10.24	98	252243	19.69 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.45% ✓	
73) Bromofluorobenzene	14.51	95	108500	19.48 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	97.40% ✓	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.47	85	112923	18.46 ug/L	99
3) Chloromethane	1.67	50	75310	19.57 ug/L	98
4) Vinyl Chloride	1.76	62	72180	19.18 ug/L	99
5) Bromomethane	2.15	94	61783	18.94 ug/L	97
6) Chloroethane	2.23	64	40195	20.09 ug/L	98
7) t-Butyl alcohol (TBA)	3.29	59	74368	118.37 ug/L	99
8) Trichlorofluoromethane	2.48	101	140027	17.12 ug/L	97
9) Diethyl ether	2.80	74	39178	22.60 ug/L	97
10) 1,1,2-Trichlorotrifluoroet	2.96	101	72861	18.77 ug/L	99
12) Acetone	3.03	43	219332	122.90 ug/L	98
13) 1,1-Dichloroethene	3.17	96	60563	19.88 ug/L	93
14) Methyl iodide	3.56	142	115610	23.58 ug/L	96
15) Di-isopropyl ether (DIPE)	4.84	45	280057	22.77 ug/L	100
16) Methylene Chloride	3.83	84	95637	20.49 ug/L	97
17) Carbon Disulfide	3.80	76	221772	21.67 ug/L	100
18) Acrylonitrile	4.04	53	40037	25.14 ug/L	97
19) Methyl-tert-butyl ether (M	4.07	73	503764	46.43 ug/L	98
20) trans-1,2-Dichloroethene	4.28	96	75383	20.80 ug/L	97
21) 1,1-Dichloroethane	4.97	63	151495	20.84 ug/L	99
22) Vinyl acetate	5.02	86	9460	19.92 ug/L	98
23) Methyl ethyl ketone	5.68	72	56797	132.54 ug/L	93
24) Ethyl t-butyl ether (ETBE)	5.50	59	286777	22.53 ug/L	99
25) 2,2-Dichloropropane	5.86	77	122975	20.00 ug/L	100
26) cis-1,2-Dichloroethene	5.94	96	86471	21.52 ug/L	100
27) t-Amyl methyl ether (TAME)	7.26	73	225918	22.77 ug/L	97
29) Chloroform	6.18	83	162788	20.91 ug/L	96
30) Bromochloromethane	6.43	128	50822	22.49 ug/L	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081210-I\I43276Q.D
Acq On : 12 Aug 2010 6:28 pm
Sample : LL08120I
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 13:57 2010

Vial: 20
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

JL 08/19/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	6.49	71	11760	23.99 ug/L	94
32) 1,1,1-Trichloroethane	6.79	97	136694	20.58 ug/L	99
34) 1,1-Dichloropropene	7.04	75	107334	20.48 ug/L	99
35) Carbon Tetrachloride	7.17	119	114005	20.19 ug/L	97
37) 1,2-Dichloroethane	7.44	62	164594	20.75 ug/L	98
38) Benzene	7.44	78	255518	20.99 ug/L	99
40) Trichloroethene	8.39	95	85981	20.87 ug/L	97
41) 1,2-Dichloropropane	8.68	63	79411	21.48 ug/L	99
42) Methylmethacrylate	8.84	69	62732	23.57 ug/L	94
45) Bromodichloromethane	9.02	83	126909	21.21 ug/L	98
46) Dibromomethane	9.09	93	74603	21.44 ug/L	99
47) 1,4-Dioxane	9.09	88	27977	580.69 ug/L	89
51) 2-Hexanone	10.97	58	220480	127.97 ug/L	97
52) Methyl isobutyl ketone	9.61	58	211580	125.63 ug/L	99
53) cis-1,3-Dichloropropene	9.90	75	131588	22.19 ug/L	98
55) Toluene	10.36	92	164438	21.25 ug/L	98
56) trans-1,3-Dichloropropene	10.69	75	121057	19.85 ug/L	96
58) 1,1,2-Trichloroethane	10.90	83	63714	22.39 ug/L	99
59) 1,3-Dichloropropane	11.31	76	126183	22.07 ug/L	99
60) Tetrachloroethene	11.36	166	117288	24.08 ug/L	96
61) Dibromochloromethane	11.66	129	103815	22.04 ug/L	99
62) 1,2-Dibromoethane	11.97	107	98484	22.23 ug/L	99
64) Chlorobenzene	12.63	112	209164	22.21 ug/L	99
65) 1,1,1,2-Tetrachloroethane	12.72	131	79762	22.27 ug/L	98
66) Ethylbenzene	12.73	91	326263	21.78 ug/L	99
67) m,p-Xylene	12.86	106	236582	43.87 ug/L	93
68) o-Xylene	13.53	106	117455	22.14 ug/L	99
69) Styrene	13.60	104	212059	22.81 ug/L	97
70) Bromoform	14.09	173	68579	22.74 ug/L	96
71) Isopropylbenzene	14.12	105	273752	19.12 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.41	83	103724	22.30 ug/L	98
74) 1,2,3-Trichloropropane	14.64	75	85294	22.07 ug/L	98
75) trans-1,4-Dichloro-2-buten	14.78	88	19193	21.88 ug/L #	60
76) n-Propylbenzene	14.76	91	378209	21.66 ug/L	97
77) Bromobenzene	14.77	156	90139	22.58 ug/L	99
78) 1,3,5-Trimethylbenzene	15.02	105	264121	22.03 ug/L	97
79) 2-Chlorotoluene	15.01	91	260783	21.29 ug/L	99
80) 4-Chlorotoluene	15.09	91	241630	21.07 ug/L	98
81) tert-butylbenzene	15.58	119	272489	23.12 ug/L	95
82) 1,2,4-Trimethylbenzene	15.64	105	269324	21.39 ug/L	98
83) Pentachloroethane	15.64	167	25020	16.15 ug/L	97
84) sec-butylbenzene	15.93	105	340458	22.15 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081210-I\I43276Q.D
Acq On : 12 Aug 2010 6:28 pm
Sample : LL08120I
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 13:57 2010

Vial: 20
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

JL 08/13/1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85) p-isopropyltoluene	16.16	119	270585	21.45 ug/L	98
86) 1,3-Dichlorobenzene	16.26	146	153214	21.75 ug/L	98
88) 1,4-Dichlorobenzene	16.44	146	159246	22.15 ug/L	98
89) n-butylbenzene	16.82	91	271973	22.12 ug/L	100
90) 1,2-Dichlorobenzene	17.02	146	148119	22.51 ug/L	98
92) 1,2-Dibromo-3-chloropropan	18.31	75	25169	23.14 ug/L	89
94) 1,2,4-Trichlorobenzene	19.73	180	108707	22.05 ug/L	97
95) Hexachlorobutadiene	20.00	225	52412	23.20 ug/L	98
96) Naphthalene	20.12	128	296834	26.53 ug/L	99
97) 1,2,3-Trichlorobenzene	20.55	180	108720	24.16 ug/L	99
98) 1,3,5-Trichlorobenzene	18.70	180	114494	22.60 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\081210-I\I43276Q.D
Acq On : 12 Aug 2010 6:28 pm
Sample : LL08120I
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 13:57 2010

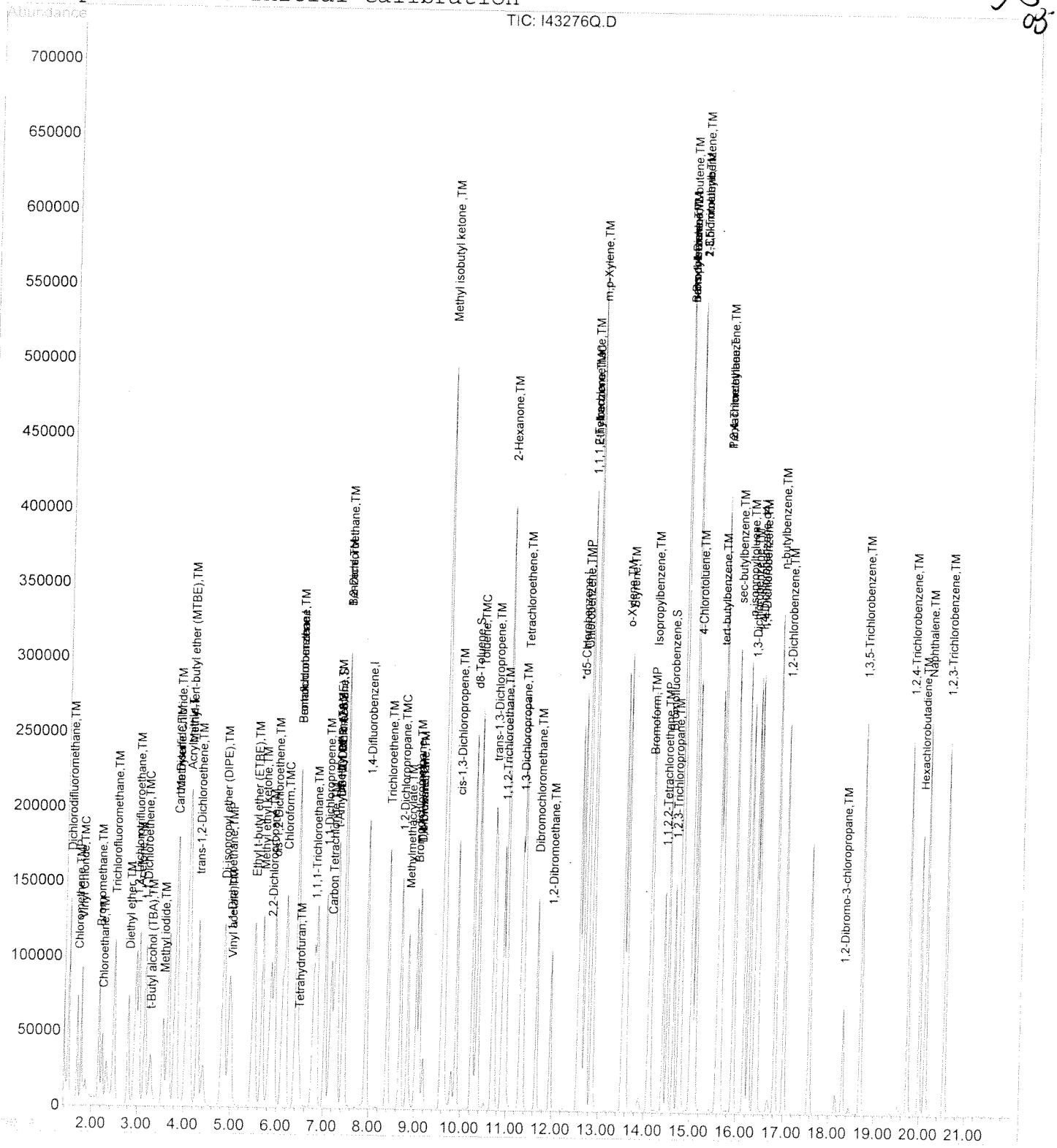
Vial: 20
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration

MT 8/13/10

JL 08-19-10



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081210-I\I43277Q.D
Acq On : 12 Aug 2010 6:57 pm
Sample : LL08120I2
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 13:57 2010

Vial: 21
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

JL 08-18-1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	141349	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	231277	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.57	117	205279	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.39	152	101460	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	7.30	65	126074	18.64 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.20% ✓	
36) d4-1,2-Dichloroethane	7.30	65	126074	18.64 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.20% ✓	
54) d8-Toluene	10.24	98	249754	19.73 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.65% ✓	
73) Bromofluorobenzene	14.50	95	106538	18.89 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	94.45% ✓	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	111755	18.31 ug/L	100
3) Chloromethane	1.68	50	72977	19.00 ug/L	100
4) Vinyl Chloride	1.76	62	72478	19.30 ug/L	99
5) Bromomethane	2.16	94	58836	18.01 ug/L	98
6) Chloroethane	2.23	64	39654	19.85 ug/L	93
7) t-Butyl alcohol (TBA)	3.28	59	63988	102.04 ug/L	100
8) Trichlorofluoromethane	2.48	101	140411	17.20 ug/L	99
9) Diethyl ether	2.80	74	36795	21.27 ug/L	97
10) 1,1,2-Trichlorotrifluoroet	2.96	101	70407	18.17 ug/L	98
12) Acetone	3.03	43	192232	107.92 ug/L	98
13) 1,1-Dichloroethene	3.16	96	58803	19.34 ug/L	95
14) Methyl iodide	3.56	142	116914	23.89 ug/L	96
15) Di-isopropyl ether (DIPE)	4.84	45	267008	21.75 ug/L	100
16) Methylene Chloride	3.83	84	87336	18.35 ug/L	96
17) Carbon Disulfide	3.79	76	215873	21.13 ug/L	100
18) Acrylonitrile	4.05	53	35326	22.22 ug/L	97
19) Methyl-tert-butyl ether (M	4.08	73	471826	43.57 ug/L	98
20) trans-1,2-Dichloroethene	4.29	96	72254	19.97 ug/L	93
21) 1,1-Dichloroethane	4.97	63	146230	20.16 ug/L	99
22) Vinyl acetate	5.03	86	8502	17.93 ug/L	92
23) Methyl ethyl ketone	5.68	72	48900	114.32 ug/L	96
24) Ethyl t-butyl ether (ETBE)	5.50	59	271991	21.41 ug/L	99
25) 2,2-Dichloropropane	5.86	77	121389	19.78 ug/L	100
26) cis-1,2-Dichloroethene	5.93	96	82890	20.67 ug/L	98
27) t-Amyl methyl ether (TAME)	7.25	73	210085	21.21 ug/L	98
29) Chloroform	6.18	83	154362	19.86 ug/L	99
30) Bromochloromethane	6.42	128	47684	21.14 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081210-I\I43277Q.D
Acq On : 12 Aug 2010 6:57 pm
Sample : LL08120I2
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 13:57 2010

Vial: 21
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

JL 08/13/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	6.47	71	10768	22.01 ug/L	89
32) 1,1,1-Trichloroethane	6.79	97	132913	20.05 ug/L	97
34) 1,1-Dichloropropene	7.04	75	106131	20.28 ug/L	98
35) Carbon Tetrachloride	7.16	119	111510	19.78 ug/L	96
37) 1,2-Dichloroethane	7.44	62	154529	19.51 ug/L	98
38) Benzene	7.44	78	245057	20.17 ug/L	99
40) Trichloroethene	8.40	95	81423	20.00 ug/L	93
41) 1,2-Dichloropropane	8.67	63	74763	20.47 ug/L	99
42) Methylmethacrylate	8.84	69	56864	21.62 ug/L	95
45) Bromodichloromethane	9.03	83	117719	19.92 ug/L	99
46) Dibromomethane	9.09	93	70172	20.42 ug/L	94
47) 1,4-Dioxane	9.09	88	24492	514.54 ug/L	84
51) 2-Hexanone	10.97	58	194018	113.98 ug/L	97
52) Methyl isobutyl ketone	9.61	58	190902	114.73 ug/L	99
53) cis-1,3-Dichloropropene	9.89	75	123612	21.10 ug/L	99
55) Toluene	10.36	92	157532	20.60 ug/L	97
56) trans-1,3-Dichloropropene	10.68	75	113264	18.79 ug/L	95
58) 1,1,2-Trichloroethane	10.91	83	59118	21.03 ug/L	97
59) 1,3-Dichloropropane	11.30	76	117424	20.79 ug/L	99
60) Tetrachloroethene	11.35	166	103686	21.54 ug/L	99
61) Dibromochloromethane	11.66	129	97552	20.96 ug/L	100
62) 1,2-Dibromoethane	11.96	107	92075	21.03 ug/L	100
64) Chlorobenzene	12.63	112	200630	21.04 ug/L	99
65) 1,1,1,2-Tetrachloroethane	12.71	131	76965	21.22 ug/L	99
66) Ethylbenzene	12.74	91	316343	20.85 ug/L	99
67) m,p-Xylene	12.86	106	230962	42.30 ug/L	95
68) o-Xylene	13.54	106	112615	20.96 ug/L	97
69) Styrene	13.60	104	205047	21.79 ug/L	99
70) Bromoform	14.09	173	63762	20.88 ug/L	97
71) Isopropylbenzene	14.12	105	269540	18.59 ug/L	100
72) 1,1,2,2-Tetrachloroethane	14.41	83	94573	20.08 ug/L	98
74) 1,2,3-Trichloropropane	14.63	75	78798	20.14 ug/L	100
75) trans-1,4-Dichloro-2-buten	14.78	88	18017	20.28 ug/L #	57
76) n-Propylbenzene	14.76	91	365328	20.67 ug/L	97
77) Bromobenzene	14.78	156	86755	21.47 ug/L	92
78) 1,3,5-Trimethylbenzene	15.03	105	254806	20.99 ug/L	97
79) 2-Chlorotoluene	15.01	91	255445	20.59 ug/L	97
80) 4-Chlorotoluene	15.10	91	232665	20.04 ug/L	96
81) tert-butylbenzene	15.59	119	275460	23.08 ug/L	93
82) 1,2,4-Trimethylbenzene	15.64	105	266555	20.90 ug/L	97
83) Pentachloroethane	15.65	167	31400	20.02 ug/L	97
84) sec-butylbenzene	15.92	105	334549	21.50 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081210-I\I43277Q.D
Acq On : 12 Aug 2010 6:57 pm
Sample : LL08120I2
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 13:57 2010

Vial: 21
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

08.13.10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85) p-isopropyltoluene	16.16	119	263597	20.64 ug/L	100
86) 1,3-Dichlorobenzene	16.26	146	148653	20.84 ug/L	98
88) 1,4-Dichlorobenzene	16.44	146	155668	21.28 ug/L	97
89) n-butylbenzene	16.82	91	276104	22.07 ug/L	99
90) 1,2-Dichlorobenzene	17.02	146	145666	21.75 ug/L	97
92) 1,2-Dibromo-3-chloropropan	18.31	75	22832	20.63 ug/L	92
94) 1,2,4-Trichlorobenzene	19.74	180	108681	21.66 ug/L	99
95) Hexachlorobutadiene	19.99	225	51104	22.23 ug/L	97
96) Naphthalene	20.13	128	271340	23.83 ug/L	99
97) 1,2,3-Trichlorobenzene	20.54	180	102643	22.41 ug/L	97
98) 1,3,5-Trichlorobenzene	18.69	180	113223	21.96 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\081210-I\I43277Q.D
Acq On : 12 Aug 2010 6:57 pm
Sample : LL08120I2
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 13 13:57 2010

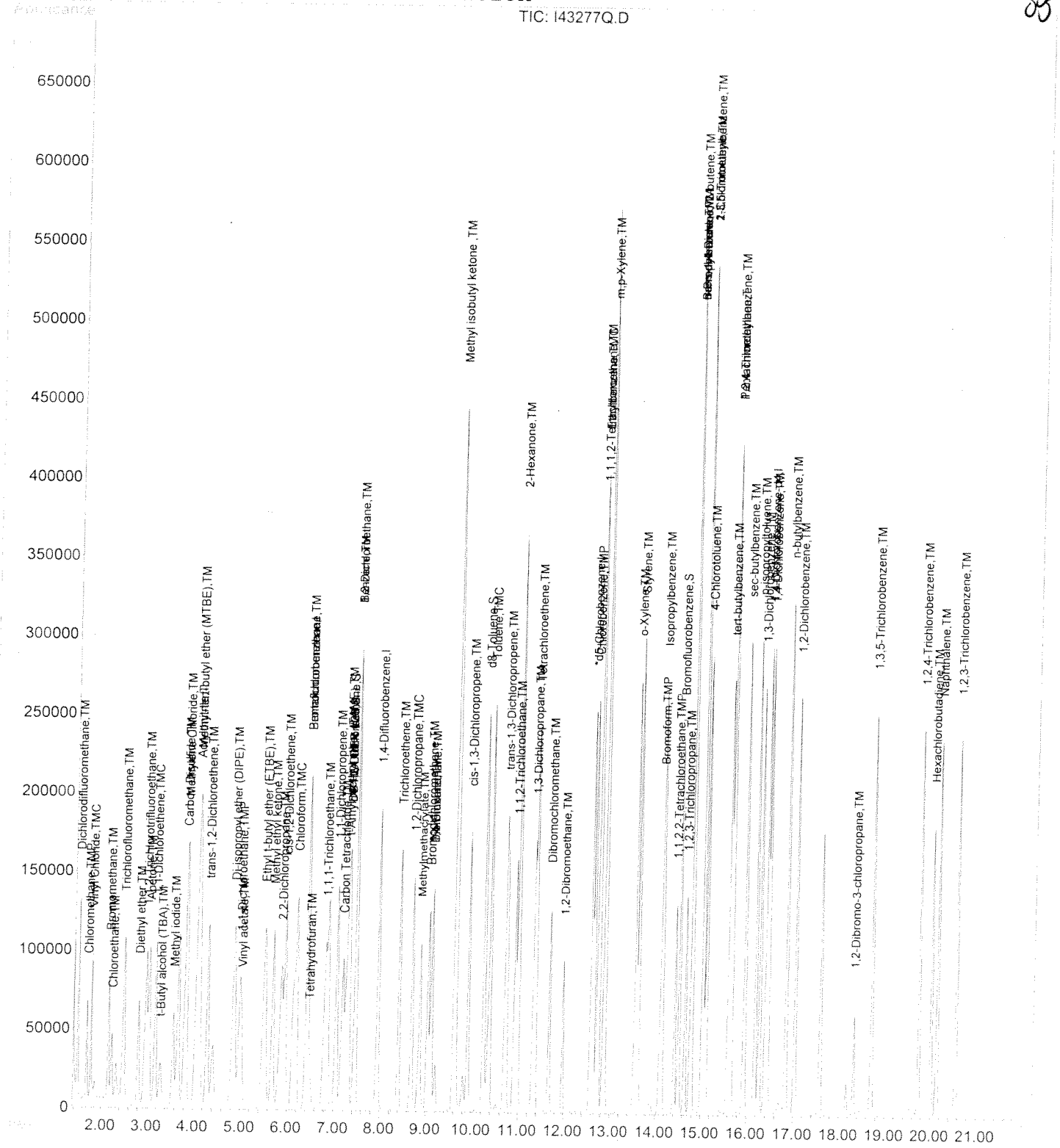
Vial: 21
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration

MT 8/13/10

08/19/10



VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

MT 8/18/10

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: LB08160B
Spike: LL08160I
Spike duplicate: LL08160I2

JL 08-18-1

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	20	75	125	25	0.0	17	83		17	85		2	
Chloromethane	20	20	75	125	25	0.0	19	94		19	93		1	
Vinyl Chloride	20	20	75	125	25	0.0	18	90		18	91		1	
Bromomethane	20	20	75	125	25	0.0	18	91		18	90		1	
Chloroethane	20	20	75	125	25	0.0	21	105		21	106		1	
t-Butyl alcohol (TBA)	100	100	75	125	25	0.0	121	121		108	108		11	
Trichlorofluoromethane	20	20	75	125	25	0.0	16	80		16	81		1	
Diethyl ether	20	20	75	125	25	0.0	23	113		22	108		4	
1,1,2-Trichlorotrifluoroethane	20	20	75	125	25	0.0	20	101		20	101		0	
Acetone	100	100	75	125	25	0.0	107	107		101	101		5	
1,1-Dichloroethene	20	20	75	125	25	0.0	21	104		21	104		0	
Methyl iodide	20	20	75	125	25	0.0	23	116		23	115		1	
Di-isopropyl ether (DIPE)	20	20	75	125	25	0.0	22	111		22	108		2	
Methylene Chloride	20	20	75	125	25	0.0	21	103		20	101		2	
Carbon Disulfide	20	20	75	125	25	0.0	23	117		23	117		1	
Methyl-tert-butyl ether (MTBE)	40	40	75	125	25	0.0	44	110		43	109		1	
trans-1,2-Dichloroethene	20	20	75	125	25	0.0	21	105		21	103		3	
1,1-Dichloroethane	20	20	75	125	25	0.0	21	104		21	103		1	
Vinyl acetate	20	20	75	125	25	0.0	25	124		24	118		5	
Methyl ethyl ketone	100	100	75	125	25	0.0	129	129	* M	117	117 ✓		9	
Ethyl t-butyl ether (ETBE)	20	20	75	125	25	0.0	22	111		22	110		2	
2,2-Dichloropropane	20	20	75	125	25	0.0	21	106		21	106		0	
cis-1,2-Dichloroethene	20	20	75	125	25	0.0	21	107		21	107		0	
t-Amyl methyl ether (TAME)	20	20	75	125	25	0.0	23	114		22	112		1	
Chloroform	20	20	75	125	25	0.0	20	99		20	99		0	
Bromochloromethane	20	20	75	125	25	0.0	22	110		22	109		1	
Tetrahydrofuran	20	20	75	125	25	0.0	23	117		23	114		2	
1,1,1-Trichloroethane	20	20	75	125	25	0.0	20	100		20	101		2	
1,1-Dichloropropene	20	20	75	125	25	0.0	21	105		21	106		1	
Carbon Tetrachloride	20	20	75	125	25	0.0	21	104		21	103		0	
1,2-Dichloroethane	20	20	75	125	25	0.0	19	95		19	95		1	
Benzene	20	20	75	125	25	0.0	21	106		21	105		2	
Trichloroethene	20	20	75	125	25	0.0	20	99		20	102		3	
1,2-Dichloropropane	20	20	75	125	25	0.0	21	105		21	104		1	
Methylmethacrylate	20	20	75	125	25	0.0	23	114		23	114		1	
Bromodichloromethane	20	20	75	125	25	0.0	20	98		20	99		1	
Dibromomethane	20	20	75	125	25	0.0	20	98		20	98		0	
1,4-Dioxane	500	500	75	125	25	0.0	584	117		535	107		9	
2-Hexanone	100	100	75	125	25	0.0	121	121		119	119		2	
Methyl isobutyl ketone	100	100	75	125	25	0.0	115	115		115	115		1	
cis-1,3-Dichloropropene	20	20	75	125	25	0.0	22	108		22	109		1	
Toluene	20	20	75	125	25	0.0	21	104		21	106		2	
trans-1,3-Dichloropropene	20	20	75	125	25	0.0	19	97		20	98		1	
1,1,2-Trichloroethane	20	20	75	125	25	0.0	20	102		21	104		2	
1,3-Dichloropropane	20	20	75	125	25	0.0	21	104		21	105		1	
Tetrachloroethene	20	20	75	125	25	0.0	17	85		18	89		4	
Dibromochloromethane	20	20	75	125	25	0.0	21	105		21	106		0	
1,2-Dibromoethane	20	20	75	125	25	0.0	21	103		20	102		1	
Chlorobenzene	20	20	75	125	25	0.0	21	107		22	109		2	
1,1,1,2-Tetrachloroethane	20	20	75	125	25	0.0	22	109		22	109		0	
Ethylbenzene	20	20	75	125	25	0.0	21	105		21	107		2	
m,p-Xylene	40	40	75	125	25	0.0	43	107		44	110		2	
o-Xylene	20	20	75	125	25	0.0	22	109		22	110		1	
Styrene	20	20	75	125	25	0.0	22	112		22	112		1	
Bromoform	20	20	75	125	25	0.0	22	108		22	108		0	

VOA FORM 3

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

MT 8/18/10

Instrument ID: 1
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: LB08160B
Spike: LL08160I
Spike duplicate: LL08160I2

KC 08-13-1

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Isopropylbenzene	20	20	75	125	25	0.0	19	93		19	96		3	
1,1,2,2-Tetrachloroethane	20	20	75	125	25	0.0	21	105		21	103		2	
1,2,3-Trichloropropane	20	20	75	125	25	0.0	20	99		20	101		1	
trans-1,4-Dichloro-2-butene	20	20	75	125	25	0.0	21	105		21	105		1	
n-Propylbenzene	20	20	75	125	25	0.0	21	104		21	107		3	
Bromobenzene	20	20	75	125	25	0.0	21	106		22	110		4	
1,3,5-Trimethylbenzene	20	20	75	125	25	0.0	21	105		22	108		2	
2-Chlorotoluene	20	20	75	125	25	0.0	20	101		20	102		2	
4-Chlorotoluene	20	20	75	125	25	0.0	20	100		20	102		2	
tert-butylbenzene	20	20	75	125	25	0.0	19	97		19	97		1	
1,2,4-Trimethylbenzene	20	20	75	125	25	0.0	21	103		21	105		2	
sec-butylbenzene	20	20	75	125	25	0.0	21	106		22	110		3	
p-isopropyltoluene	20	20	75	125	25	0.0	21	107		22	109		2	
1,3-Dichlorobenzene	20	20	75	125	25	0.0	21	106		22	109		2	
1,4-Dichlorobenzene	20	20	75	125	25	0.0	22	108		22	110		1	
n-butylbenzene	20	20	75	125	25	0.0	22	110		23	114		3	
1,2-Dichlorobenzene	20	20	75	125	25	0.0	22	111		22	112		1	
1,2-Dibromo-3-chloropropane	20	20	75	125	25	0.0	21	105		22	108		3	
1,2,4-Trichlorobenzene	20	20	75	125	25	0.0	21	106		22	110		3	
Hexachlorobutadiene	20	20	75	125	25	0.0	21	106		23	114		7	
Naphthalene	20	20	75	125	25	0.0	24	120		25	125		4	
1,2,3-Trichlorobenzene	20	20	75	125	25	0.0	22	111		23	115		4	
1,3,5-Trichlorobenzene	20	20	75	125	25	0.0	23	115		23	116		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOA FORM 3

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081610-I\I43324Q.D
Acq On : 16 Aug 2010 11:11 am
Sample : LL08160I
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

Vial: 5
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/18/10

09-13-10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	161002	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.94	114	270110	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.57	117	238184	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.40	152	116131	20.00 ug/L	0.02

System Monitoring Compounds

28) DB HOLDER #28	7.30	65	137100	17.80 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 89.00%		
36) d4-1,2-Dichloroethane	7.30	65	137100	17.80 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 89.00%		
54) d8-Toluene	10.24	98	284330	19.24 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.20%		
73) Bromofluorobenzene	14.50	95	119618	18.28 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.40%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.48	85	115154	16.56 ug/L	100
3) Chloromethane	1.67	50	81815	18.70 ug/L	98
4) Vinyl Chloride	1.76	62	77251	18.06 ug/L	99
5) Bromomethane	2.16	94	67757	18.23 ug/L	96
6) Chloroethane	2.24	64	47615	20.93 ug/L	95
7) t-Butyl alcohol (TBA)	3.29	59	86376	120.93 ug/L	97
8) Trichlorofluoromethane	2.48	101	149066	16.03 ug/L	96
9) Diethyl ether	2.81	74	44343	22.50 ug/L	95
10) 1,1,2-Trichlorotrifluoroet	2.97	101	89082	20.18 ug/L	97
12) Acetone	3.03	43	216705	106.81 ug/L	95
13) 1,1-Dichloroethene	3.17	96	72258	20.86 ug/L	93
14) Methyl iodide	3.56	142	129426	23.21 ug/L	94
15) Di-isopropyl ether (DIPE)	4.85	45	309742	22.15 ug/L	99
16) Methylene Chloride	3.84	84	109417	20.65 ug/L	97
17) Carbon Disulfide	3.80	76	273296	23.49 ug/L	100
18) Acrylonitrile	4.05	53	42744	23.61 ug/L	97
19) Methyl-tert-butyl ether (M	4.08	73	542418	43.97 ug/L	96
20) trans-1,2-Dichloroethene	4.29	96	86867	21.08 ug/L	97
21) 1,1-Dichloroethane	4.98	63	172059	20.82 ug/L	97
22) Vinyl acetate	5.03	86	13384	24.78 ug/L	98
23) Methyl ethyl ketone	5.68	72	62625	128.54 ug/L	85
24) Ethyl t-butyl ether (ETBE)	5.50	59	321859	22.24 ug/L	99
25) 2,2-Dichloropropane	5.86	77	148424	21.24 ug/L	99
26) cis-1,2-Dichloroethene	5.94	96	97540	21.35 ug/L	96
27) t-Amyl methyl ether (TAME)	7.26	73	256561	22.74 ug/L	92
29) Chloroform	6.19	83	174943	19.76 ug/L	98
30) Bromochloromethane	6.43	128	56526	22.01 ug/L	91

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081610-I\I43324Q.D
Acq On : 16 Aug 2010 11:11 am
Sample : LL08160I
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

Vial: 5
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/18/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	6.48	71	12990	23.31 ug/L	92
32) 1,1,1-Trichloroethane	6.80	97	150526	19.93 ug/L	98
34) 1,1-Dichloropropene	7.04	75	125644	21.08 ug/L	97
35) Carbon Tetrachloride	7.17	119	132970	20.71 ug/L	94
37) 1,2-Dichloroethane	7.45	62	172211	19.09 ug/L	95
38) Benzene	7.44	78	294374	21.27 ug/L	99
40) Trichloroethene	8.39	95	94071	19.79 ug/L	90
41) 1,2-Dichloropropane	8.68	63	89381	20.96 ug/L	100
42) Methylmethacrylate	8.84	69	69802	22.73 ug/L	91
45) Bromodichloromethane	9.03	83	135213	19.59 ug/L	100
46) Dibromomethane	9.09	93	79060	19.70 ug/L	94
47) 1,4-Dioxane	9.09	88	32471	584.09 ug/L	91
51) 2-Hexanone	10.97	58	239797	120.62 ug/L	91
52) Methyl isobutyl ketone	9.62	58	223003	114.76 ug/L	99
53) cis-1,3-Dichloropropene	9.89	75	148115	21.65 ug/L	98
55) Toluene	10.37	92	185019	20.72 ug/L	99
56) trans-1,3-Dichloropropene	10.69	75	136055	19.33 ug/L	95
58) 1,1,2-Trichloroethane	10.91	83	67032	20.41 ug/L	99
59) 1,3-Dichloropropane	11.30	76	137023	20.77 ug/L	100
60) Tetrachloroethene	11.35	166	95473	16.98 ug/L	98
61) Dibromochloromethane	11.67	129	114350	21.04 ug/L	100
62) 1,2-Dibromoethane	11.97	107	105331	20.60 ug/L	100
64) Chlorobenzene	12.63	112	235894	21.32 ug/L	99
65) 1,1,1,2-Tetrachloroethane	12.72	131	91448	21.73 ug/L	100
66) Ethylbenzene	12.74	91	368462	20.93 ug/L	100
67) m,p-Xylene	12.86	106	272141	42.95 ug/L	92
68) o-Xylene	13.54	106	135354	21.71 ug/L	94
69) Styrene	13.61	104	243869	22.33 ug/L	95
70) Bromoform	14.09	173	76860	21.69 ug/L	97
71) Isopropylbenzene	14.13	105	311196	18.50 ug/L	96
72) 1,1,2,2-Tetrachloroethane	14.41	83	114722	20.99 ug/L	96
74) 1,2,3-Trichloropropane	14.64	75	90284	19.89 ug/L	98
75) trans-1,4-Dichloro-2-buten	14.78	88	21598	20.95 ug/L #	57
76) n-Propylbenzene	14.77	91	425194	20.73 ug/L	95
77) Bromobenzene	14.78	156	98957	21.10 ug/L	96
78) 1,3,5-Trimethylbenzene	15.03	105	296836	21.07 ug/L	94
79) 2-Chlorotoluene	15.02	91	289916	20.14 ug/L	94
80) 4-Chlorotoluene	15.09	91	268227	19.91 ug/L	95
81) tert-butylbenzene	15.59	119	269769	19.48 ug/L	91
82) 1,2,4-Trimethylbenzene	15.65	105	304844	20.60 ug/L	97
83) Pentachloroethane	15.65	167	57452	31.58 ug/L	93
84) sec-butylbenzene	15.93	105	382594	21.19 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantification Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081610-I\I43324Q.D
Acq On : 16 Aug 2010 11:11 am
Sample : LL08160I
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

Vial: 5
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/18/10

JL 09-19

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85) p-isopropyltoluene	16.17	119	317233	21.41 ug/L	97
86) 1,3-Dichlorobenzene	16.27	146	176227	21.29 ug/L	97
88) 1,4-Dichlorobenzene	16.44	146	181253	21.65 ug/L	98
89) n-butylbenzene	16.83	91	316392	22.10 ug/L	96
90) 1,2-Dichlorobenzene	17.02	146	169923	22.17 ug/L	97
92) 1,2-Dibromo-3-chloropropan	18.31	75	26522	20.93 ug/L	95
94) 1,2,4-Trichlorobenzene	19.74	180	121724	21.19 ug/L	98
95) Hexachlorobutadiene	20.00	225	55765	21.20 ug/L	98
96) Naphthalene	20.13	128	313708	24.07 ug/L	100
97) 1,2,3-Trichlorobenzene	20.55	180	115911	22.11 ug/L	97
98) 1,3,5-Trichlorobenzene	18.70	180	135914	23.03 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\081610-I\I43324Q.D
Acq On : 16 Aug 2010 11:11 am
Sample : LL08160I
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

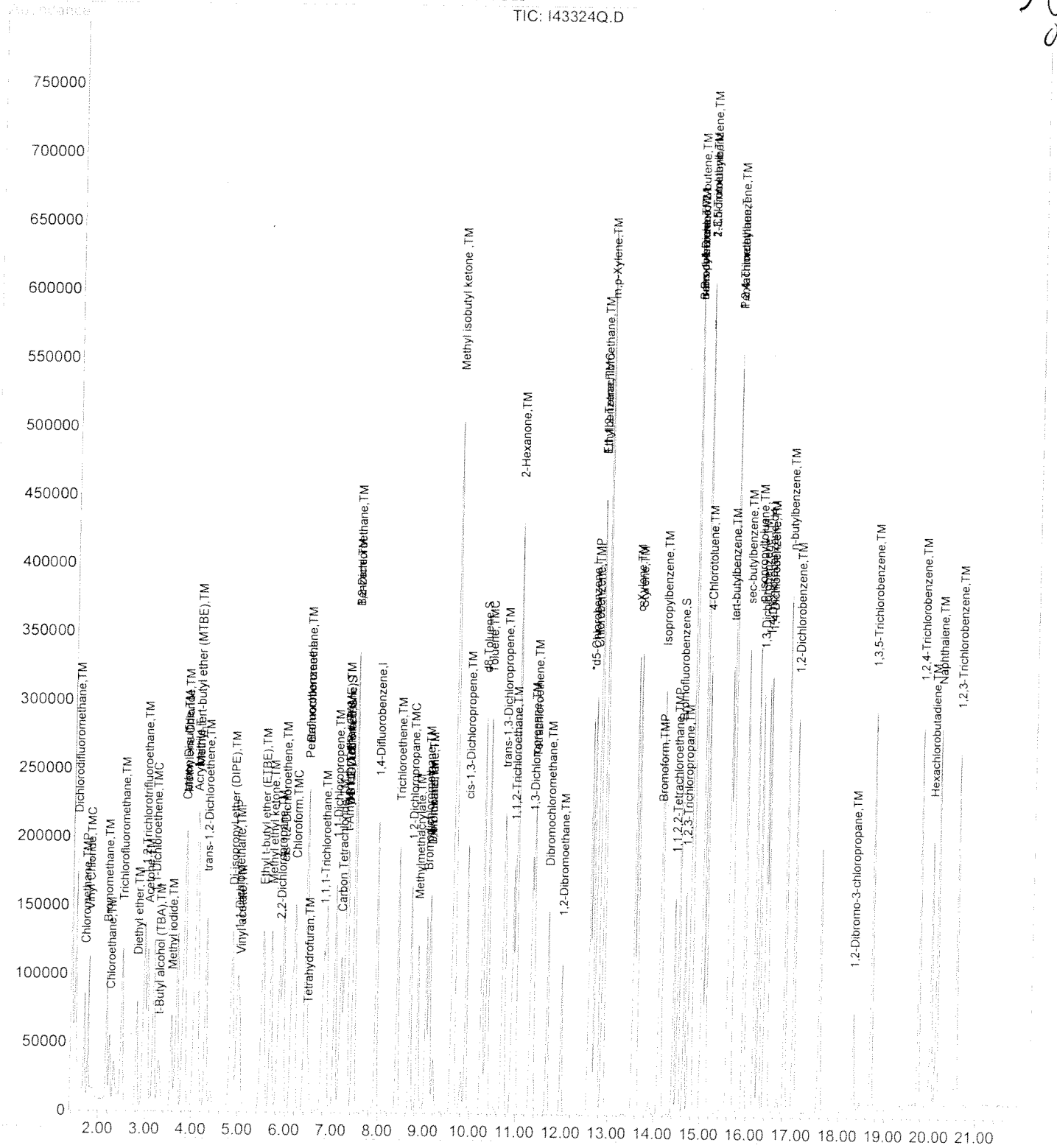
Vial: 5
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration

MT 8/18/10

JL 09.13.



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081610-I\I43325Q.D
Acq On : 16 Aug 2010 11:39 am
Sample : LL08160I2
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

Vial: 6
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/18/10

03.10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	160390	20.00 ug/L	0.01
39) 1,4-Difluorobenzene	7.94	114	263791	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.57	117	232392 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.39	152	113003	20.00 ug/L	0.01

System Monitoring Compounds

28) DB HOLDER #28	7.30	65	135604	17.67 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.35% ✓		
36) d4-1,2-Dichloroethane	7.30	65	135604	17.67 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.35% ✓		
54) d8-Toluene	10.24	98	277412	19.22 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.10% ✓		
73) Bromofluorobenzene	14.50	95	117752	18.45 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 92.25% ✓		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.48	85	117218	16.92 ug/L	100
3) Chloromethane	1.68	50	80966	18.58 ug/L	100
4) Vinyl Chloride	1.77	62	77765	18.25 ug/L	99
5) Bromomethane	2.16	94	67007	18.09 ug/L	95
6) Chloroethane	2.23	64	47988	21.18 ug/L	99
7) t-Butyl alcohol (TBA)	3.29	59	77070	108.31 ug/L	96
8) Trichlorofluoromethane	2.49	101	150723	16.27 ug/L	98
9) Diethyl ether	2.80	74	42286	21.54 ug/L	97
10) 1,1,2-Trichlorotrifluoroet	2.97	101	89082	20.26 ug/L	96
12) Acetone	3.03	43	205012	101.43 ug/L	95
13) 1,1-Dichloroethene	3.18	96	71697	20.78 ug/L #	88
14) Methyl iodide	3.56	142	127298	22.92 ug/L	94
15) Di-isopropyl ether (DIPE)	4.84	45	301318	21.63 ug/L	99
16) Methylene Chloride	3.84	84	106929	20.17 ug/L	97
17) Carbon Disulfide	3.81	76	270216	23.31 ug/L	100
18) Acrylonitrile	4.05	53	40848	22.65 ug/L	98
19) Methyl-tert-butyl ether (M	4.08	73	533764	43.43 ug/L	97
20) trans-1,2-Dichloroethene	4.29	96	84261	20.52 ug/L	98
21) 1,1-Dichloroethane	4.98	63	170113	20.66 ug/L	98
22) Vinyl acetate	5.03	86	12689	23.59 ug/L	99
23) Methyl ethyl ketone	5.68	72	56842	117.12 ug/L	89
24) Ethyl t-butyl ether (ETBE)	5.50	59	315807	21.91 ug/L	99
25) 2,2-Dichloropropane	5.87	77	148065	21.27 ug/L	97
26) cis-1,2-Dichloroethene	5.94	96	97106	21.34 ug/L	100
27) t-Amyl methyl ether (TAME)	7.26	73	252252	22.45 ug/L	93
29) Chloroform	6.18	83	174724	19.81 ug/L	98
30) Bromochloromethane	6.43	128	56025	21.89 ug/L	96

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081610-I\I43325Q.D
Acq On : 16 Aug 2010 11:39 am
Sample : LL08160I2
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

Vial: 6
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/18/10

08-19

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	6.49	71	12674	22.83 ug/L	87
32) 1,1,1-Trichloroethane	6.79	97	152246	20.24 ug/L	98
34) 1,1-Dichloropropene	7.04	75	126327	21.28 ug/L	99
35) Carbon Tetrachloride	7.17	119	132349	20.69 ug/L	97
37) 1,2-Dichloroethane	7.44	62	170656	18.99 ug/L	97
38) Benzene	7.44	78	288680	20.94 ug/L	99
40) Trichloroethene	8.39	95	94358	20.32 ug/L	96
41) 1,2-Dichloropropane	8.67	63	86817	20.84 ug/L	99
42) Methylmethacrylate	8.83	69	68521	22.84 ug/L	91
45) Bromodichloromethane	9.03	83	134018	19.88 ug/L	98
46) Dibromomethane	9.10	93	76919	19.62 ug/L	93
47) 1,4-Dioxane	9.10	88	29039	534.87 ug/L	86
51) 2-Hexanone	10.97	58	230165	118.55 ug/L	93
52) Methyl isobutyl ketone	9.61	58	218945	115.37 ug/L	99
53) cis-1,3-Dichloropropene	9.90	75	145494	21.77 ug/L	98
55) Toluene	10.36	92	184751	21.19 ug/L	97
56) trans-1,3-Dichloropropene	10.68	75	134301	19.54 ug/L	93
58) 1,1,2-Trichloroethane	10.90	83	67007	20.90 ug/L	99
59) 1,3-Dichloropropane	11.31	76	135056	20.96 ug/L	100
60) Tetrachloroethene	11.34	166	97449	17.75 ug/L	98
61) Dibromochloromethane	11.66	129	112124	21.12 ug/L	100
62) 1,2-Dibromoethane	11.97	107	102222	20.47 ug/L	99
64) Chlorobenzene	12.63	112	234415	21.72 ug/L	100
65) 1,1,1,2-Tetrachloroethane	12.71	131	89323	21.75 ug/L	99
66) Ethylbenzene	12.73	91	366449	21.34 ug/L	100
67) m,p-Xylene	12.86	106	271214	43.87 ug/L	92
68) o-Xylene	13.53	106	133592	21.96 ug/L	99
69) Styrene	13.60	104	239276	22.46 ug/L	96
70) Bromoform	14.09	173	74812	21.64 ug/L	98
71) Isopropylbenzene	14.12	105	313596	19.11 ug/L	97
72) 1,1,2,2-Tetrachloroethane	14.41	83	110150	20.66 ug/L	98
74) 1,2,3-Trichloropropane	14.64	75	89181	20.13 ug/L	99
75) trans-1,4-Dichloro-2-buten	14.78	88	21216	21.10 ug/L #	54
76) n-Propylbenzene	14.76	91	427377	21.36 ug/L	95
77) Bromobenzene	14.77	156	100430	21.95 ug/L	96
78) 1,3,5-Trimethylbenzene	15.02	105	296429	21.57 ug/L	95
79) 2-Chlorotoluene	15.01	91	287351	20.46 ug/L	95
80) 4-Chlorotoluene	15.09	91	267848	20.38 ug/L	96
81) tert-butylbenzene	15.58	119	260918	19.31 ug/L	91
82) 1,2,4-Trimethylbenzene	15.64	105	302101	20.93 ug/L	98
83) Pentachloroethane	15.65	167	56450	31.80 ug/L	93
84) sec-butylbenzene	15.93	105	386389	21.93 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081610-I\I43325Q.D
Acq On : 16 Aug 2010 11:39 am
Sample : LL08160I2
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

Vial: 6
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/18/10

DL 08/18/1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85) p-isopropyltoluene	16.16	119	315684	21.84 ug/L	96
86) 1,3-Dichlorobenzene	16.26	146	175528	21.74 ug/L	98
88) 1,4-Dichlorobenzene	16.44	146	178785	21.94 ug/L	99
89) n-butylbenzene	16.82	91	317452	22.79 ug/L	96
90) 1,2-Dichlorobenzene	17.02	146	166905	22.38 ug/L	96
92) 1,2-Dibromo-3-chloropropan	18.31	75	26663	21.63 ug/L	89
94) 1,2,4-Trichlorobenzene	19.73	180	122521	21.92 ug/L	99
95) Hexachlorobutadiene	20.00	225	58144	22.71 ug/L	99
96) Naphthalene	20.12	128	316364	24.95 ug/L	100
97) 1,2,3-Trichlorobenzene	20.55	180	117757	23.09 ug/L	96
98) 1,3,5-Trichlorobenzene	18.69	180	133013	23.16 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\081610-I\I43325Q.D
Acq On : 16 Aug 2010 11:39 am
Sample : LL08160I2
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

Vial: 6
Operator: MT
Inst : Instrumen
Multiplr: 1.00

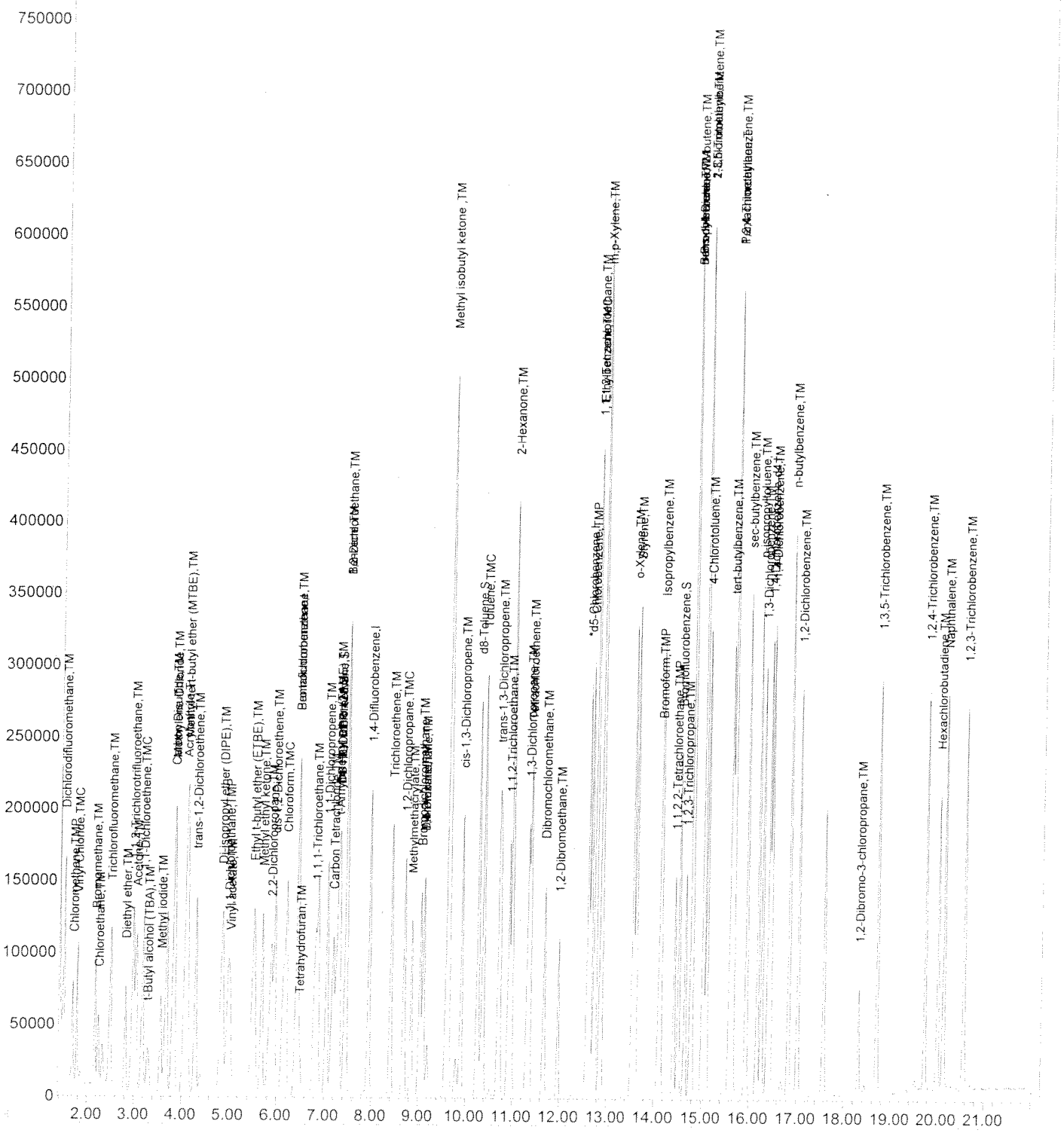
Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration

MT 8/18/10

JL 09-18-1

TIC: I43325Q.D



GC/MS Volatiles Instrument I:

Analytics environmental laboratory LLC

IS only — Exp: —

SS+IS V8957 Exp: 8/26/10

081210-I

Voltage: 1600

Threshold: 100

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-I-081210-1-MT							
1	VS081210I	BLK	5mL				I43257	MT	NA
2							58		
3							59		
4							60		
5							61		
6		20ppb Test					62		
7		BLK					63		
8		BFB 50ng		2ml	V8951	✓	64T		
9		1ppb		.25ml	V8953 V8941	✓	65i		
10		2ppb		.5ml		✓	66i		
11		5ppb		1.25ml		✓	67i		
12		20ppb		5ml		✓	68i		
13		50ppb		12.5ml		✓	69i		
14		100ppb		25ml		✓	70i		
15		BLK					71		
16		BLK					72		
17		20ppb KV		5ml	V8954 V8944	✓ All OK	73Q		
18		BFB 50ng		2ml	V8951	✓	74T		
19		20ppb		5ml	V8953 V8941	✓ All OK	75SC		
20		LL081210I	5.00			✓ MEK, 2-Hex, MIBK high Mang in LCS	76Q		
21		LL081210I2				✓ LCSD All OK	77Q		
22		BLK	5mL				78		
23		Bromoform		5ml	V8952	✓	79		
24		BB081210I	5.00			✓	80R		
25		1ppb LOD	5mL			✓	81		
26		2ppb LOQ				✓ All OK	82		
27		67494-7	TB			✓ ~~RR-MeCl2~~ MT 8/31/10	83		
28		67478-17	TB			✓	84		
29		67494-1	5.32			✓	85		
30		-2	5.08			✓	86		
31		-3	4.85			RR-MeCl2	87		
32		-4	5.43			✓	88		
33		-5	5.14			✓ ~~RR-MeCl2~~ Report both runs	89		
34		67478-1	5.37			✓	90		
35		-3	5.52			✓	91		
36		-4	5.61			✓	92		

Cont on next page

GC/MS Volatiles Instrument I:

Analytics environmental laboratory LLC

IS only —

SS+IS V8957

Exp: —

Exp: 8/26/10

Voltage: 1600

Threshold: 100

081610-I

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-I-081610-1-MT							
1	VS081210I	BLK	5mL				I43320	MT	NA
2		BLK					21		
3		BFB 50ng		2ul	V8951	✓	22T		
4		20ppb		5ul	V8953 V8956	✓ MEK, THF Mang.	23		
5		LL081610I	5.00			✓ MEK Mang in LCS Allebe	24		
6		LL081610T2				✓ OK	25		
7		BLK	5mL				26		
8		Bromoform		5ul	V8952	✓	27		
9		LB081610I	5.00			✓	28B		
10		BLK	5mL				29		
11		67494-1	5.43			Report 8/12 run	30		
12		-2	4.59			Report 8/12 run	31		
13		-3	3.79			✓	32		
14		-4	4.90			Report 8/12 run	33		
15		-5	3.92			✓ Report both runs	34		
							35		
							36		

MT 8/18/10

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

SDG: 67494
BFB File ID: I43264T.D
BFB Injection Date: 08/12/10
BFB Injection Time: 12:09

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
1 PPB	I43265SI.D	8/12/10 12:55
2 PPB	I43266SI.D	8/12/10 13:23
5 PPB	I43267SI.D	8/12/10 13:51
20 PPB	I43268SI.D	8/12/10 14:19
50 PPB	I43269SI.D	8/12/10 14:47
100 PPB	I43270SI.D	8/12/10 15:15
20 PPB ICV	I43273Q.D	8/12/10 16:40

Refer to the BFB report I43264T.D for ion ratio evaluation.

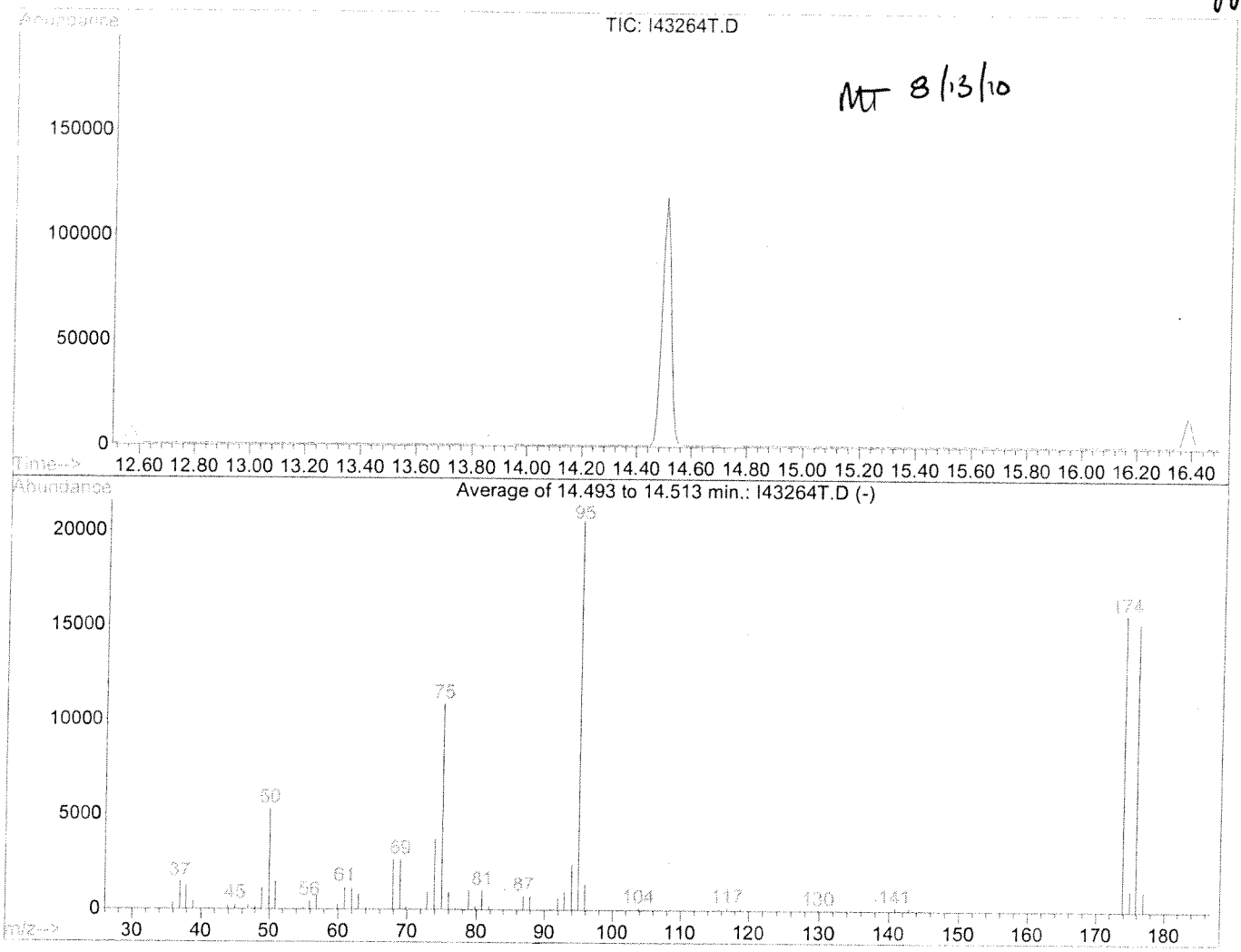
VOA FORM 5

BFB

Data File : C:\HPCHEM\1\DATA\081210-I\I43264T.D
Acq On : 12 Aug 2010 12:09 pm
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil

Vial: 8
Operator: MT
Inst : Instrumen
Multiplr: 1.00

JL 08/13/10



AutoFind: Scans 1333, 1334, 1335; Background Corrected with Scan 1326

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.9	5331	PASS
75	95	30	60	53.0	10912	PASS
95	95	100	100	100.0	20592	PASS
96	95	5	9	6.6	1359	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.3	15713	PASS
175	174	5	9	7.6	1189	PASS
176	174	95	101	97.1	15254	PASS
177	176	5	9	7.1	1083	PASS

I43264T.D VS08120I.M Fri Aug 13 13:36:58 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

SDG: 67494
BFB File ID: I43274T.D
BFB Injection Date: 08/12/10
BFB Injection Time: 17:19

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
20 PPB	I43275SC.D	8/12/10 17:51
LL08120I	I43276Q.D	8/12/10 18:28
LL08120I2	I43277Q.D	8/12/10 18:57
LB08120I	I43280B.D	8/12/10 20:21
67494-7	I43283.D	8/12/10 21:44
67494-1	I43285.D	8/12/10 22:40
67494-2	I43286.D	8/12/10 23:08
67494-4	I43288.D	8/13/10 0:04
67494-5	I43289.D	8/13/10 0:32

Refer to the BFB report I43274T.D for ion ratio evaluation.

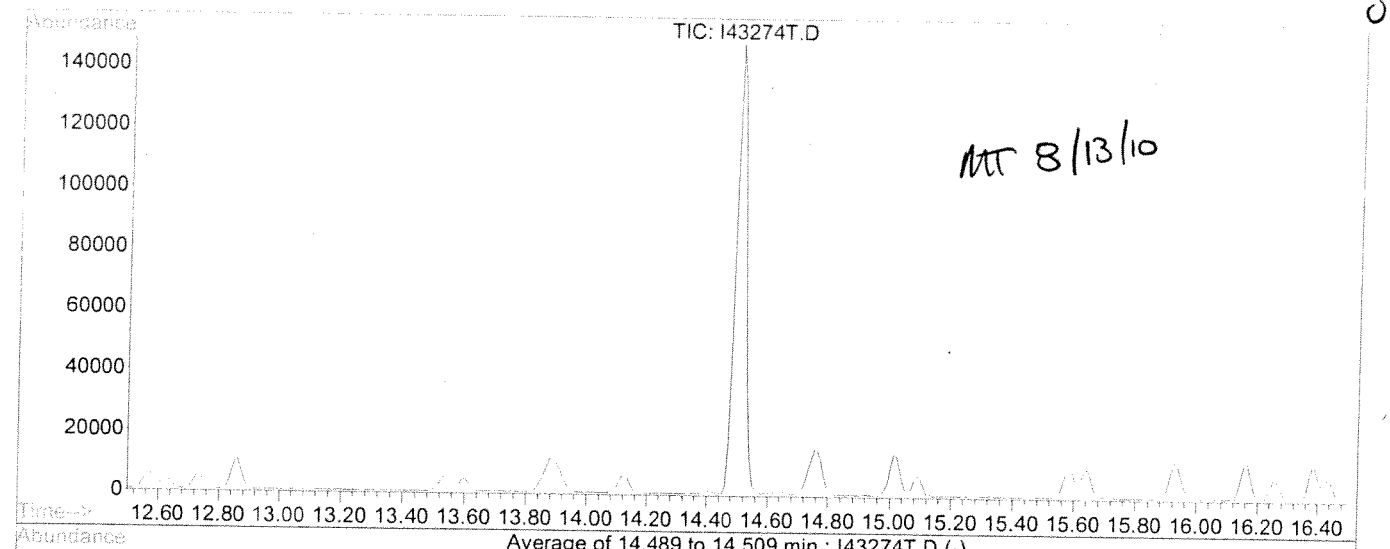
VOA FORM 5

BFB

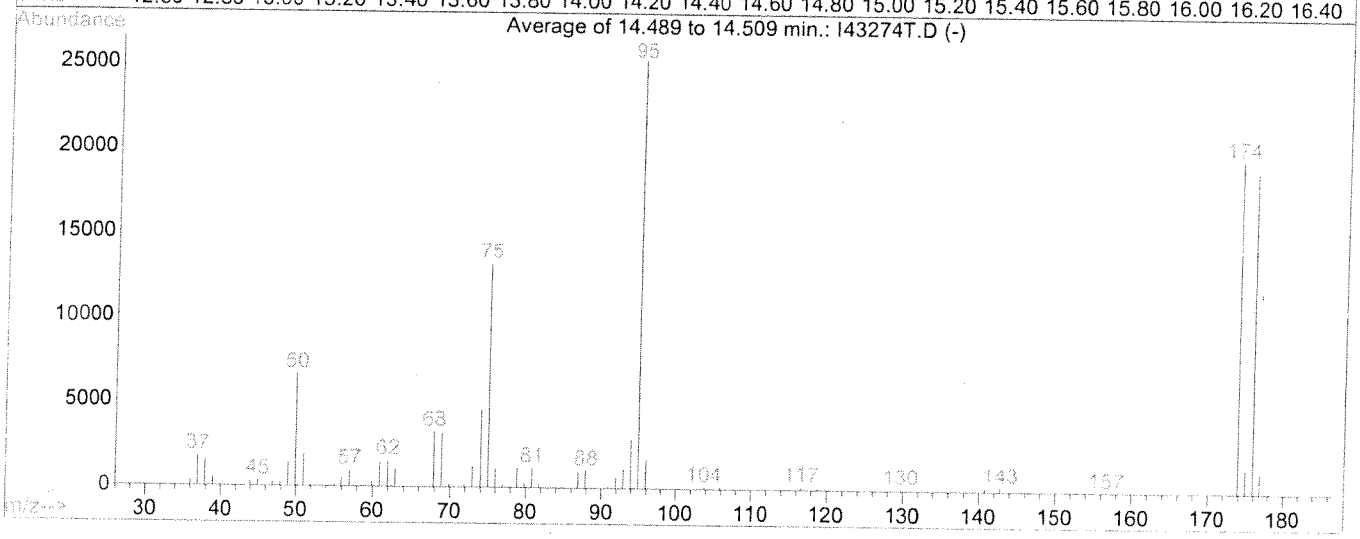
Data File : C:\HPCHEM\1\DATA\081210-I\I43274T.D
Acq On : 12 Aug 2010 5:19 pm
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil

Vial: 18
Operator: MT
Inst : Instrumen
Multiplr: 1.00

09.13



MT 8/13/10



AutoFind: Scans 1332, 1333, 1334; Background Corrected with Scan 1326

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.2	6636	PASS
75	95	30	60	52.3	13262	PASS
95	95	100	100	100.0	25360	PASS
96	95	5	9	6.8	1730	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	77.8	19718	PASS
175	174	5	9	7.3	1443	PASS
176	174	95	101	96.5	19033	PASS
177	176	5	9	6.5	1229	PASS

I43274T.D VS08120I.M Fri Aug 13 13:41:16 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

SDG: 67494
BFB File ID: I43322T.D
BFB Injection Date: 08/16/10
BFB Injection Time: 8:57

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
20 PPB	I43323SC.D	8/16/10 9:54
LL08160I	I43324Q.D	8/16/10 11:11
LL08160I2	I43325Q.D	8/16/10 11:39
LB08160B	I43328B.D	8/16/10 13:04
67494-3	I43332.D	8/16/10 15:51
67494-5	I43334.D	8/16/10 16:48

Refer to the BFB report I43322T.D for ion ratio evaluation.

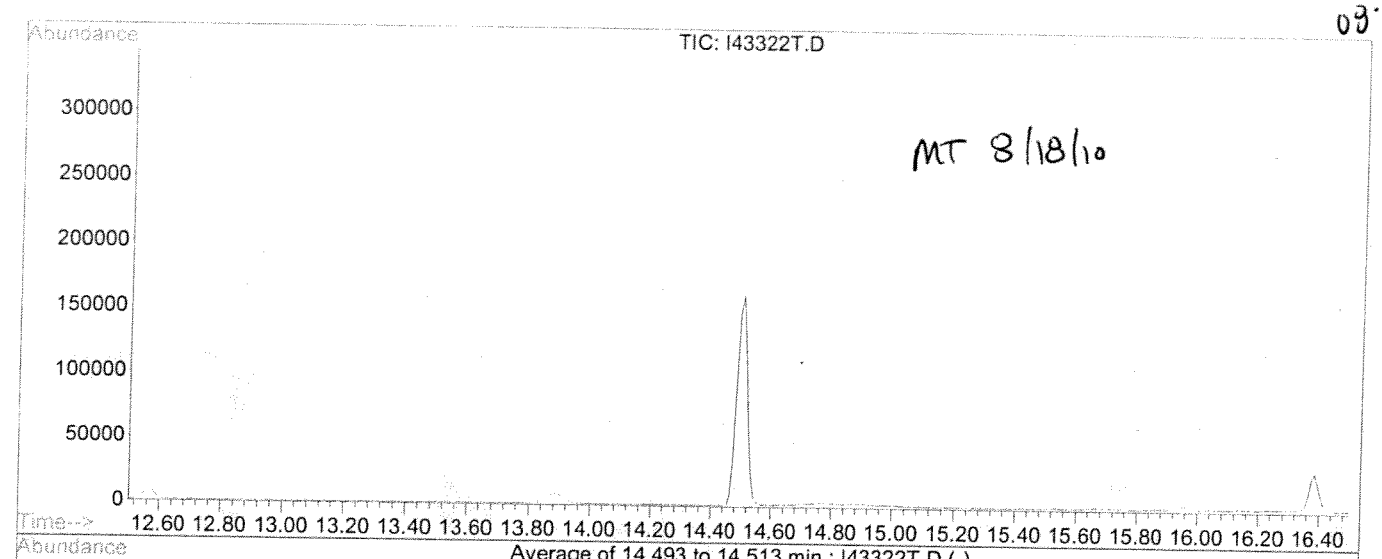
VOA FORM 5

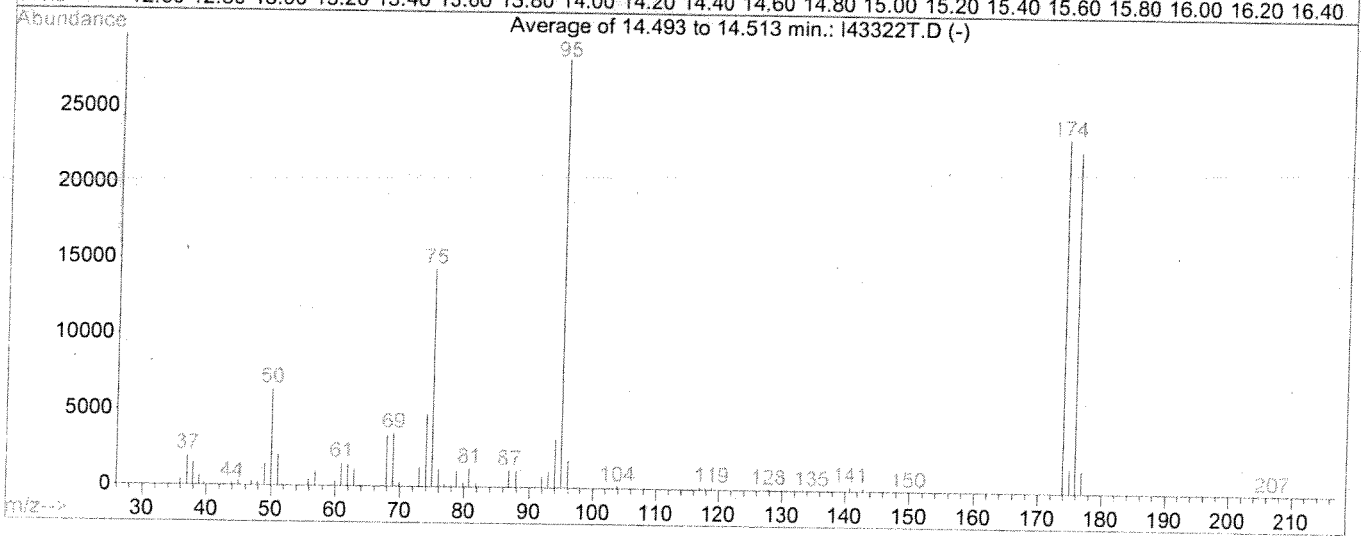
BFB

Data File : C:\HPCHEM\1\DATA\081610-I\I43322T.D
Acq On : 16 Aug 2010 8:57 am
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil

Vial: 3
Operator: MT
Inst : Instrumen
Multiplr: 1.00

JR 08.18.10





AutoFind: Scans 1333, 1334, 1335; Background Corrected with Scan 1326

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.6	6396	PASS
75	95	30	60	50.9	14417	PASS
95	95	100	100	100.0	28349	PASS
96	95	5	9	6.4	1818	PASS ✓
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.5	23400	PASS
175	174	5	9	7.2	1676	PASS
176	174	95	101	96.9	22669	PASS
177	176	5	9	6.6	1501	PASS

I43322T.D VS08120I.M Wed Aug 18 07:28:10 2010

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 07:07:20 2010
Response via : Initial Calibration

MT 8/13/10

Calibration Files
1 =I43265SI.D 2 =I43266SI.D 5 =I43267SI.D
20 =I43268SI.D 50 =I43269SI.D 100 =I43270SI.D

✓ 09/18/11

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	TM	Dichlorodifluoromet	0.926	0.903	0.824	0.825	0.891	0.813	0.864	5.63
3)	TMP	Chloromethane	0.643	0.621	0.496	0.488	0.521	0.492	0.543✓	12.81
4)	TMC	Vinyl Chloride	0.573	0.566	0.505	0.518	0.537	0.489	0.531	6.28#✓
5)	TM	Bromomethane	0.802	0.630	0.513	0.445	0.430	0.382	0.534	~~29.46~~ na
6)	TM	Chloroethane		0.333	0.284	0.258	0.283	0.256	0.283	11.05
7)	TM	t-Butyl alcohol (TB	0.093	0.090	0.084	0.084	0.088	0.093	0.089#	4.42
8)	TM	Trichlorofluorometh	1.231	1.262	1.147	1.130	1.159	1.001	1.155	7.90
9)	TM	Diethyl ether	0.243	0.254	0.237	0.239	0.256	0.239	0.245	3.45
10)	TM	1,1,2-Trichlorotrif	0.554	0.588	0.530	0.529	0.570	0.520	0.548	4.89
11)	T	Acrolein							0.000#	-1.00
12)	TM	Acetone	0.295	0.273	0.250	0.235	0.233	0.227	0.252	10.70
13)	TMC	1,1-Dichloroethene	0.432	0.454	0.416	0.418	0.448	0.413	0.430	4.03#✓
14)	TM	Methyl iodide		0.823	0.595	0.602	0.735	0.707	0.693	13.84
15)	TM	Di-isopropyl ether	1.676	1.799	1.662	1.726	1.824	1.735	1.737	3.73
16)	TM	Methylene Chloride	2.678	1.752	1.065	0.626	0.581	0.513	1.203	~~71.47~~ na
17)	TM	Carbon Disulfide	1.463	1.519	1.383	1.398	1.508	1.400	1.445	4.14
18)	T	Acrylonitrile	0.232	0.233	0.217	0.221	0.223	0.224	0.225	2.96
19)	TM	Methyl-tert-butyl e	1.514	1.560	1.490	1.503	1.584	1.544	1.532	2.37
20)	TM	trans-1,2-Dichloroe	0.525	0.553	0.474	0.494	0.532	0.494	0.512	5.76
21)	TMP	1,1-Dichloroethane	1.031	1.078	0.990	0.990	1.072	0.998	1.027✓	3.95
22)	TM	Vinyl acetate		0.056	0.066	0.073	0.070	0.071	0.067#	10.08
23)	TM	Methyl ethyl ketone	0.057	0.060	0.060	0.061	0.063	0.063	0.061#	3.79
24)	TM	Ethyl t-butyl ether	1.724	1.801	1.748	1.752	1.922	1.837	1.798	4.09
25)	TM	2,2-Dichloropropane	0.856	0.879	0.844	0.852	0.916	0.862	0.868	3.01
26)	TM	cis-1,2-Dichloroeth	0.594	0.573	0.539	0.553	0.593	0.554	0.567	3.97
27)	TM	t-Amyl methyl ether	1.338	1.397	1.355	1.389	1.490	1.439	1.401	3.99
28)	S	DB HOLDER #28	0.952	0.976	0.957	0.968	0.960	0.929	0.957	1.69
29)	TMC	Chloroform	1.123	1.135	1.080	1.067	1.136	1.055	1.100	3.30#✓
30)	TM	Bromochloromethane	0.314	0.315	0.318	0.312	0.331	0.325	0.319	2.32
31)	TM	Tetrahydrofuran	0.069	0.067	0.068	0.068	0.071	0.072	0.069#	3.00
32)	TM	1,1,1-Trichloroetha	0.942	0.945	0.904	0.928	0.993	0.917	0.938	3.28
33)	T	NO COMPOUND							0.000#	-1.00
34)	TM	1,1-Dichloropropene	0.752	0.746	0.698	0.726	0.785	0.734	0.740	3.88
35)	TM	Carbon Tetrachlorid	0.762	0.805	0.770	0.788	0.859	0.800	0.798	4.31
36)	S	d4-1,2-Dichloroetha	0.952	0.976	0.957	0.968	0.960	0.929	0.957	1.70
37)	TM	1,2-Dichloroethane	1.108	1.157	1.094	1.117	1.161	1.085	1.120	2.86
38)	TM	Benzene	1.842	1.777	1.658	1.653	1.752	1.634	1.719	4.86
39)	I	1,4-Difluorobenzene	----------ISTD----------							
40)	TM	Trichloroethene	0.357	0.372	0.344	0.340	0.361	0.337	0.352	3.87
41)	TMC	1,2-Dichloropropane	0.308	0.338	0.312	0.302	0.325	0.309	0.316	4.17#✓
42)	TM	Methylmethacrylate	0.221	0.212	0.219	0.232	0.239	0.242	0.227	5.33
43)	T	NO COMPOUND							0.000#	-1.00

(#) = Out of Range

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 07:07:20 2010
Response via : Initial Calibration

MT 8/13/10

Calibration Files
1 =I43265SI.D 2 =I43266SI.D 5 =I43267SI.D
20 =I43268SI.D 50 =I43269SI.D 100 =I43270SI.D

JL 08-13-1

		Compound	1	2	5	20	50	100	Avg	%RSD
44)	T	NO COMPOUND							0.000#	-1.00
45)	TM	Bromodichloromethan	0.481	0.517	0.493	0.522	0.542	0.512	0.511	4.22
46)	TM	Dibromomethane	0.272	0.286	0.308	0.303	0.315	0.300	0.297	5.29
47)	TM	1,4-Dioxane	0.004	0.004	0.004	0.004	0.004	0.004	0.004#	6.95
48)	T	NO COMPOUND							0.000#	-1.00
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl							0.000#	-1.00
51)	TM	2-Hexanone	0.135	0.147	0.148	0.150	0.152	0.152	0.147	4.39
52)	TM	Methyl isobutyl ket	0.140	0.143	0.144	0.144	0.147	0.145	0.144	1.78
53)	TM	cis-1,3-Dichloropro	0.467	0.517	0.496	0.504	0.542	0.514	0.507	4.90
54)	S	d8-Toluene	1.076	1.102	1.101	1.100	1.106	1.083	1.094	1.09
55)	TMC	Toluene	0.679	0.691	0.641	0.647	0.687	0.622	0.661	4.28#
56)	TM	trans-1,3-Dichlorop	0.471	0.517	0.506	0.531	0.568	0.534	0.521	6.19
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.246	0.242	0.233	0.246	0.255	0.237	0.243	3.17
59)	TM	1,3-Dichloropropane	0.494	0.495	0.474	0.484	0.504	0.480	0.488	2.29
60)	TM	Tetrachloroethene	0.391	0.392	0.398	0.408	0.477	0.432	0.416	7.98
61)	TM	Dibromochloromethan	0.350	0.392	0.397	0.405	0.440	0.431	0.403	7.96
62)	TM	1,2-Dibromoethane	0.365	0.382	0.377	0.375	0.393	0.378	0.379	2.44
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	0.935	0.950	0.909	0.915	0.953	0.912	0.929✓	2.13
65)	TM	1,1,1,2-Tetrachloro	0.344	0.353	0.342	0.352	0.371	0.358	0.353	3.00
66)	TMC	Ethylbenzene	1.528	1.504	1.424	1.464	1.530	1.418	1.478	3.40#✓
67)	TM	m,p-Xylene	0.522	0.546	0.530	0.533	0.548	0.514	0.532	2.51
68)	TM	o-Xylene	0.521	0.532	0.498	0.516	0.560	0.514	0.523	4.03
69)	TM	Styrene	0.829	0.917	0.887	0.945	0.999	0.925	0.917	6.23
70)	TMP	Bromoform	0.268	0.285	0.279	0.309	0.323	0.321	0.298✓	7.84
71)	TM	Isopropylbenzene	1.339	1.408	1.386	1.416	1.524	1.401	1.412	4.32
72)	TMP	1,1,2,2-Tetrachloro	0.451	0.470	0.463	0.465	0.465	0.440	0.459✓	2.45
73)	S	Bromofluorobenzene	0.538	0.545	0.562	0.565	0.563	0.523	0.549	3.05
74)	TM	1,2,3-Trichloroprop	0.382	0.397	0.386	0.373	0.383	0.366	0.381	2.83
75)	TM	trans-1,4-Dichloro-	0.069	0.079	0.087	0.095	0.096	0.094	0.087#	12.64
76)	TM	n-Propylbenzene	1.740	1.824	1.718	1.750	1.756	1.546	1.722	5.43
77)	TM	Bromobenzene	0.404	0.393	0.397	0.393	0.403	0.373	0.394	2.81
78)	TM	1,3,5-Trimethylbenz	1.140	1.176	1.162	1.228	1.242	1.148	1.183	3.61
79)	TM	2-Chlorotoluene	1.225	1.244	1.175	1.219	1.242	1.146	1.208	3.25
80)	TM	4-Chlorotoluene	1.103	1.169	1.112	1.161	1.176	1.066	1.131	3.91
81)	TM	tert-butylbenzene	1.207	0.973	1.184	1.042	1.323	1.247	1.163	11.28
82)	TM	1,2,4-Trimethylbenz	1.180	1.249	1.202	1.288	1.316	1.219	1.242	4.22
83)	T	Pentachloroethane	0.162	0.179	0.149	0.158	0.131	0.139	0.153	11.43
84)	TM	sec-butylbenzene	1.420	1.536	1.446	1.578	1.631	1.485	1.516	5.32
85)	TM	p-isopropyltoluene	1.152	1.196	1.182	1.306	1.373	1.256	1.244	6.75
86)	TM	1,3-Dichlorobenzene	0.686	0.697	0.676	0.708	0.724	0.679	0.695	2.67
87)	I	1,4-Dichlorobenzene-d	----------ISTD----------							

(#) = Out of Range

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 07:07:20 2010
Response via : Initial Calibration

MT 8/13/10

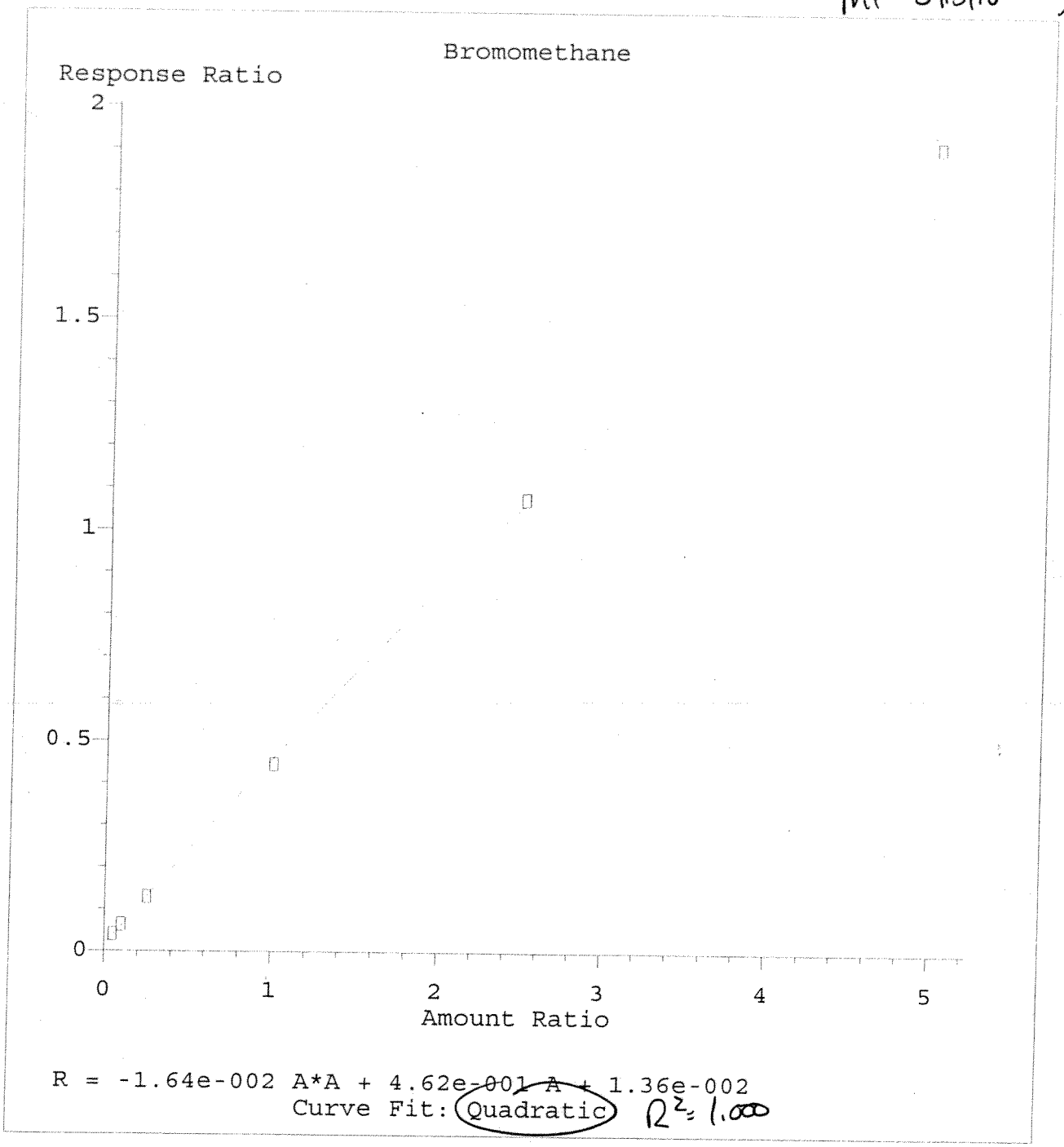
Calibration Files
1 =I43265SI.D 2 =I43266SI.D 5 =I43267SI.D
20 =I43268SI.D 50 =I43269SI.D 100 =I43270SI.D

KJL 08-13-1

		Compound	1	2	5	20	50	100	Avg	%RSD
88)	TM	1,4-Dichlorobenzene	1.598	1.433	1.366	1.388	1.467	1.399	1.442	5.84
89)	TM	n-butylbenzene	2.517	2.506	2.354	2.416	2.614	2.388	2.466	3.93
90)	TM	1,2-Dichlorobenzene	1.306	1.358	1.282	1.275	1.386	1.314	1.320	3.30
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.204	0.219	0.217	0.217	0.229	0.223	0.218	3.78
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	1.043	1.063	0.915	0.930	1.028	0.956	0.989	6.39
95)	TM	Hexachlorobutadiene	0.510	0.486	0.428	0.406	0.444	0.444	0.453	8.42
96)	TM	Naphthalene	2.315	2.270	2.113	2.107	2.325	2.336	2.245	4.74
97)	TM	1,2,3-Trichlorobenz	0.934	0.946	0.837	0.879	0.929	0.892	0.903	4.58
98)	TM	1,3,5-Trichlorobenz	1.057	1.081	0.958	0.976	1.036	0.991	1.016	4.80

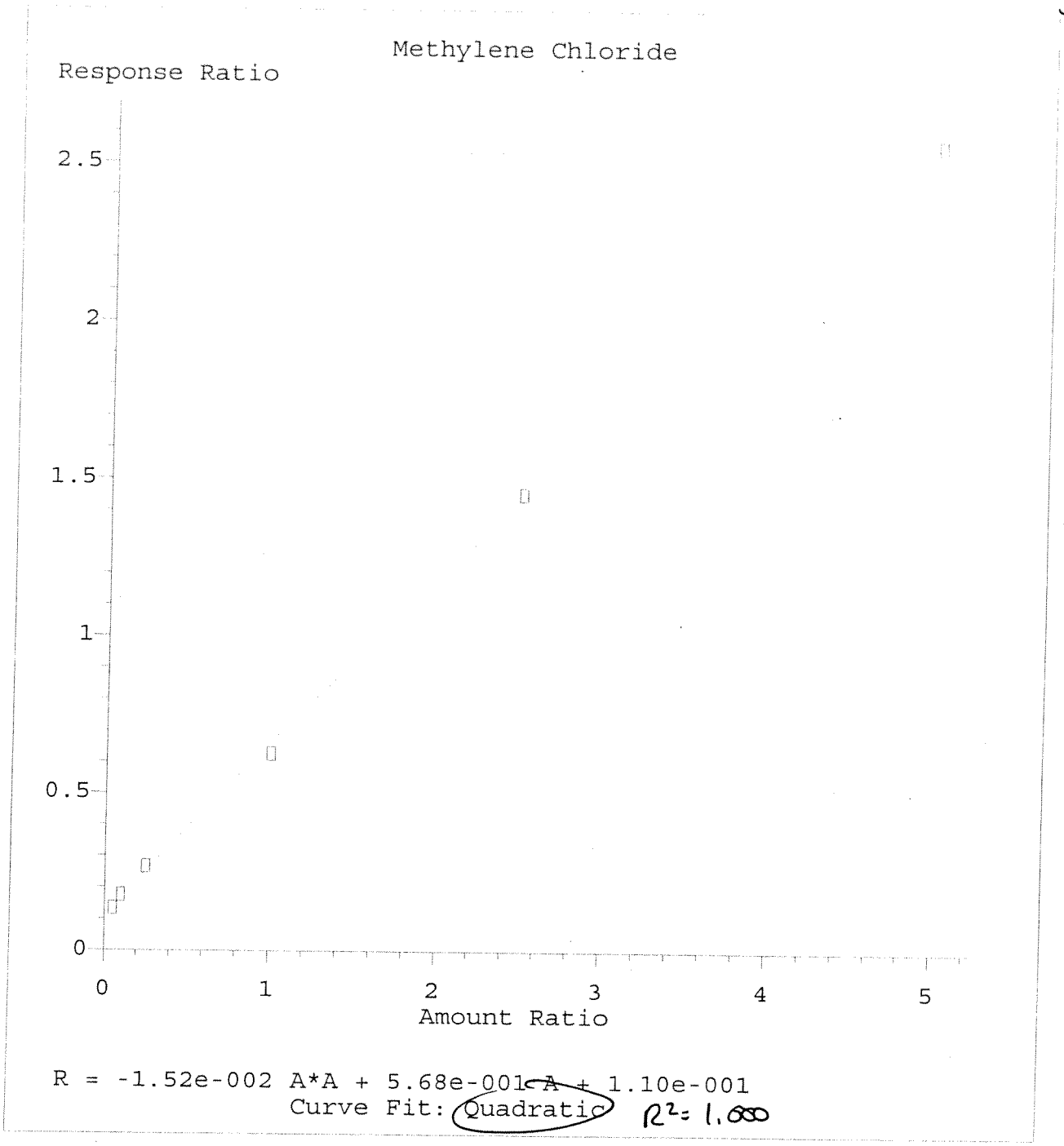
(#) = Out of Range

MT 8/13/10 JK 08-19-10



Method Name: C:\HPCHEM\1\METHODS\VS08120I.M
Calibration Table Last Updated: Fri Aug 13 07:07:20 2010

MT 8/13/10



Method Name: C:\HPCHEM\1\METHODS\VS08120I.M
Calibration Table Last Updated: Fri Aug 13 07:07:20 2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081210-I\I43265SI.D
Acq On : 12 Aug 2010 12:55 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010

Vial: 9
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

JL 09-19-10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	126985	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	207366	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.57	117	179524	20.00 ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.38	152	84249	20.00 ug/L	0.01

System Monitoring Compounds					
28) DB HOLDER #28	7.30	65	120875	17.69 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.45%		
36) d4-1,2-Dichloroethane	7.30	65	120874	17.69 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.45%		
54) d8-Toluene	10.24	98	223112	19.33 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.65%		
73) Bromofluorobenzene	14.50	95	96562	19.23 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.15%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	5879	1.02 ug/L	98
3) Chloromethane	1.67	50	4080	1.08 ug/L	90
4) Vinyl Chloride	1.76	62	3636	1.09 ug/L	94
5) Bromomethane	2.16	94	5094	Below Cal	98
6) Chloroethane	2.24	64	2338	1.39 ug/L	97
7) t-Butyl alcohol (TBA)	3.30	59	2941	3.63 ug/L #	72
8) Trichlorofluoromethane	2.48	101	7818	1.10 ug/L	98
9) Diethyl ether	2.81	74	1542	0.83 ug/L #	59
10) 1,1,2-Trichlorotrifluoroet	2.96	101	3516	0.97 ug/L	95
12) Acetone	3.03	43	9369	2.44 ug/L	97
13) 1,1-Dichloroethene	3.17	96	2740	0.93 ug/L	90
14) Methyl iodide	3.57	142	6972	1.72 ug/L	97
15) Di-isopropyl ether (DIPE)	4.86	45	10639	0.76 ug/L	98
16) Methylene Chloride	3.83	84	17006	Below Cal	94
17) Carbon Disulfide	3.80	76	9288	0.88 ug/L	100
18) Acrylonitrile	4.04	53	1476	0.77 ug/L #	91
19) Methyl-tert-butyl ether (M	4.09	73	9612	0.81 ug/L	99
20) trans-1,2-Dichloroethene	4.28	96	3332	0.93 ug/L #	80
21) 1,1-Dichloroethane	4.97	63	6548	0.87 ug/L	97
22) Vinyl acetate	5.01	86	305	0.66 ug/L #	1
23) Methyl ethyl ketone	5.68	72	1804	3.31 ug/L	92
24) Ethyl t-butyl ether (ETBE)	5.50	59	10949	0.79 ug/L	99
25) 2,2-Dichloropropane	5.85	77	5436	0.88 ug/L	95
26) cis-1,2-Dichloroethene	5.93	96	3769	0.94 ug/L #	88
27) t-Amyl methyl ether (TAME)	7.26	73	8493	0.77 ug/L	96
29) Chloroform	6.19	83	7133	0.90 ug/L	99
30) Bromochloromethane	6.43	128	1994	0.90 ug/L	95

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43265SI.D
Acq On : 12 Aug 2010 12:55 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010

Vial: 9
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.49	71	435	0.69 ug/L #	57
32)	1,1,1-Trichloroethane	6.79	97	5980	0.91 ug/L	93
34)	1,1-Dichloropropene	7.03	75	4773	0.92 ug/L	85
35)	Carbon Tetrachloride	7.17	119	4840	0.91 ug/L	88
37)	1,2-Dichloroethane	7.44	62	7034	0.85 ug/L	98
38)	Benzene	7.44	78	11694	0.93 ug/L	96
40)	Trichloroethene	8.39	95	3705	0.97 ug/L	95
41)	1,2-Dichloropropane	8.68	63	3195	0.86 ug/L	86
42)	Methylmethacrylate	8.85	69	2289	0.75 ug/L	90
45)	Bromodichloromethane	9.02	83	4986	0.84 ug/L	98
46)	Dibromomethane	9.09	93	2815	0.78 ug/L	88
47)	1,4-Dioxane	9.08	88	922	16.44 ug/L	96
51)	2-Hexanone	10.97	58	6984	3.33 ug/L	98
52)	Methyl isobutyl ketone	9.62	58	7237	3.63 ug/L #	75
53)	cis-1,3-Dichloropropene	9.89	75	4845	0.82 ug/L	88
55)	Toluene	10.35	92	7045	0.96 ug/L	95
56)	trans-1,3-Dichloropropene	10.68	75	4885	0.79 ug/L	95
58)	1,1,2-Trichloroethane	10.91	83	2552	0.86 ug/L	87
59)	1,3-Dichloropropane	11.30	76	5126	0.87 ug/L	100
60)	Tetrachloroethene	11.35	166	4051	0.90 ug/L	91
61)	Dibromochloromethane	11.65	129	3627	0.80 ug/L	88
62)	1,2-Dibromoethane	11.96	107	3787	0.86 ug/L	93
64)	Chlorobenzene	12.62	112	8395	0.98 ug/L	98
65)	1,1,1,2-Tetrachloroethane	12.72	131	3084	0.93 ug/L	94
66)	Ethylbenzene	12.73	91	13717	0.99 ug/L	97
67)	m,p-Xylene	12.86	106	9368	1.89 ug/L	100
68)	o-Xylene	13.53	106	4673	0.97 ug/L	91
69)	Styrene	13.60	104	7439	0.85 ug/L	95
70)	Bromoform	14.09	173	2408	0.80 ug/L	86
71)	Isopropylbenzene	14.12	105	12020	0.93 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.40	83	4048	0.81 ug/L	95
74)	1,2,3-Trichloropropane	14.64	75	3425	0.82 ug/L	96
75)	trans-1,4-Dichloro-2-buten	14.78	88	617	0.67 ug/L #	63
76)	n-Propylbenzene	14.76	91	15616	0.96 ug/L	97
77)	Bromobenzene	14.78	156	3624	0.98 ug/L #	82
78)	1,3,5-Trimethylbenzene	15.01	105	10235	0.93 ug/L	97
79)	2-Chlorotoluene	15.00	91	10994	0.96 ug/L	96
80)	4-Chlorotoluene	15.08	91	9900	0.91 ug/L	96
81)	tert-butylbenzene	15.58	119	10832	1.17 ug/L	99
82)	1,2,4-Trimethylbenzene	15.64	105	10590	0.92 ug/L	99
83)	Pentachloroethane	15.65	167	1451	1.27 ug/L #	87
84)	sec-butylbenzene	15.92	105	12748	0.92 ug/L	94

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43265SI.D
Acq On : 12 Aug 2010 12:55 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010

Vial: 9
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

LL 08-13-10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85) p-isopropyltoluene	16.16	119	10342	0.92 ug/L	96
86) 1,3-Dichlorobenzene	16.26	146	6156	0.98 ug/L	95
88) 1,4-Dichlorobenzene	16.43	146	6731	1.09 ug/L	94
89) n-butylbenzene	16.82	91	10603	0.97 ug/L	99
90) 1,2-Dichlorobenzene	17.01	146	5501	0.94 ug/L	97
92) 1,2-Dibromo-3-chloropropan	18.31	75	860	0.75 ug/L	92
94) 1,2,4-Trichlorobenzene	19.72	180	4392	1.06 ug/L	89
95) Hexachlorobutadiene	20.00	225	2148	1.18 ug/L	89
96) Naphthalene	20.12	128	9753	0.95 ug/L	97
97) 1,2,3-Trichlorobenzene	20.54	180	3934	1.01 ug/L	95
98) 1,3,5-Trichlorobenzene	18.69	180	4453	1.06 ug/L	94

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43265SI.D
Acq On : 12 Aug 2010 12:55 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010

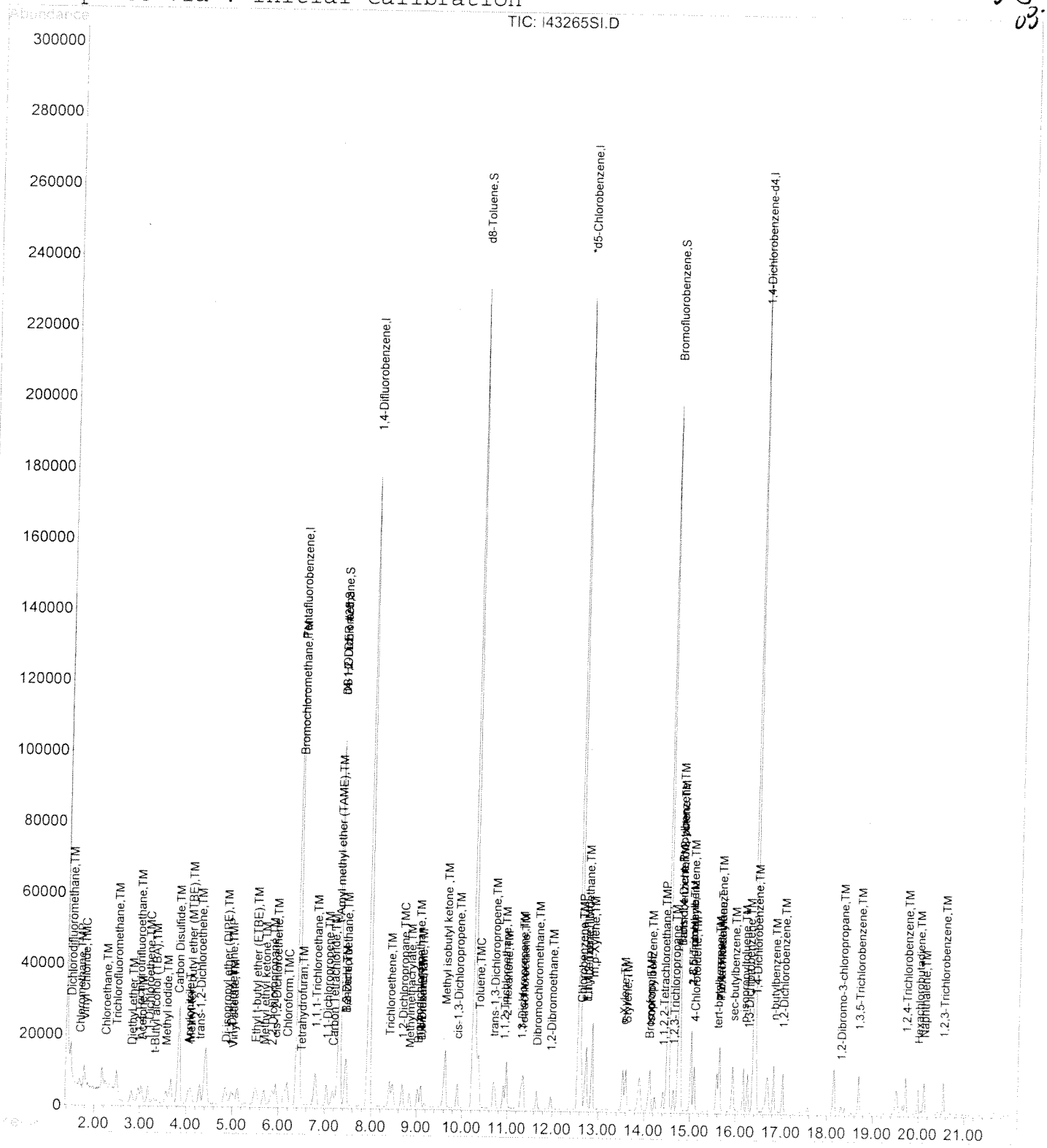
Vial: 9
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 07:07:20 2010
Response via : Initial Calibration

MT 8/13/10

✓ JL 03-18-10



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081210-I\I43266SI.D Vial: 10
Acq On : 12 Aug 2010 1:23 pm Operator: MT
Sample : 2 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010 Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

08-13-10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	117764	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	193258	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	166977	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.39	152	82515	20.00 ug/L	0.01

System Monitoring Compounds					
28) DB HOLDER #28	7.29	65	114926	18.14 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 90.70%		
36) d4-1,2-Dichloroethane	7.29	65	114926	18.14 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 90.70%		
54) d8-Toluene	10.23	98	212916	19.79 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.95%		
73) Bromofluorobenzene	14.49	95	91068	19.50 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.50%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	10632	1.98 ug/L	95
3) Chloromethane	1.67	50	7308	2.09 ug/L	98
4) Vinyl Chloride	1.77	62	6666	2.15 ug/L	98
5) Bromomethane	2.16	94	7420	1.11 ug/L	98
6) Chloroethane	2.24	64	3922	2.51 ug/L	89
7) t-Butyl alcohol (TBA)	3.28	59	5282	7.03 ug/L	97
8) Trichlorofluoromethane	2.48	101	14866	2.25 ug/L	97
9) Diethyl ether	2.81	74	2995	1.74 ug/L	95
10) 1,1,2-Trichlorotrifluoroet	2.98	101	6924	2.06 ug/L	99
12) Acetone	3.03	43	16096	6.01 ug/L	99
13) 1,1-Dichloroethene	3.16	96	5345	1.95 ug/L #	84
14) Methyl iodide	3.56	142	9695	2.58 ug/L	94
15) Di-isopropyl ether (DIPE)	4.85	45	21181	1.64 ug/L	98
16) Methylene Chloride	3.83	84	20638	Below Cal	95
17) Carbon Disulfide	3.80	76	17893	1.84 ug/L	100
18) Acrylonitrile	4.06	53	2749	1.54 ug/L	95
19) Methyl-tert-butyl ether (M	4.08	73	18372	1.68 ug/L	98
20) trans-1,2-Dichloroethene	4.29	96	6516	1.95 ug/L #	84
21) 1,1-Dichloroethane	4.98	63	12699	1.83 ug/L	97
22) Vinyl acetate	5.02	86	657	1.54 ug/L #	41
23) Methyl ethyl ketone	5.68	72	3536	7.00 ug/L	97
24) Ethyl t-butyl ether (ETBE)	5.50	59	21213	1.66 ug/L	100
25) 2,2-Dichloropropane	5.85	77	10357	1.81 ug/L	99
26) cis-1,2-Dichloroethene	5.93	96	6743	1.81 ug/L	96
27) t-Amyl methyl ether (TAME)	7.26	73	16446	1.62 ug/L	100
29) Chloroform	6.18	83	13371	1.82 ug/L	97
30) Bromochloromethane	6.43	128	3707	1.80 ug/L #	79

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43266SI.D Vial: 10
Acq On : 12 Aug 2010 1:23 pm Operator: MT
Sample : 2 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010 Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

08-13-10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.48	71	788	1.35 ug/L #	81
32)	1,1,1-Trichloroethane	6.79	97	11125	1.83 ug/L	95
34)	1,1-Dichloropropene	7.03	75	8789	1.82 ug/L	96
35)	Carbon Tetrachloride	7.15	119	9481	1.92 ug/L	100
37)	1,2-Dichloroethane	7.44	62	13631	1.78 ug/L	98
38)	Benzene	7.44	78	20925	1.80 ug/L	99
40)	Trichloroethene	8.38	95	7184	2.01 ug/L	97
41)	1,2-Dichloropropane	8.67	63	6535	1.89 ug/L	86
42)	Methylmethacrylate	8.84	69	4093	1.44 ug/L	98
45)	Bromodichloromethane	9.02	83	9985	1.82 ug/L	98
46)	Dibromomethane	9.08	93	5536	1.65 ug/L	89
47)	1,4-Dioxane	9.08	88	2047	39.17 ug/L	85
51)	2-Hexanone	10.97	58	14217	7.27 ug/L	97
52)	Methyl isobutyl ketone	9.61	58	13840	7.45 ug/L #	72
53)	cis-1,3-Dichloropropene	9.88	75	9991	1.81 ug/L	98
55)	Toluene	10.36	92	13356	1.95 ug/L	95
56)	trans-1,3-Dichloropropene	10.68	75	9992	1.74 ug/L	92
58)	1,1,2-Trichloroethane	10.90	83	4673	1.68 ug/L	84
59)	1,3-Dichloropropane	11.30	76	9575	1.74 ug/L	93
60)	Tetrachloroethene	11.34	166	7585	1.80 ug/L	95
61)	Dibromochloromethane	11.66	129	7582	1.79 ug/L	98
62)	1,2-Dibromoethane	11.96	107	7389	1.80 ug/L	92
64)	Chlorobenzene	12.62	112	15856	1.98 ug/L	95
65)	1,1,1,2-Tetrachloroethane	12.71	131	5902	1.91 ug/L	97
66)	Ethylbenzene	12.73	91	25114	1.96 ug/L	98
67)	m,p-Xylene	12.86	106	18229	3.96 ug/L	92
68)	o-Xylene	13.53	106	8879	1.99 ug/L #	85
69)	Styrene	13.60	104	15311	1.89 ug/L	97
70)	Bromoform	14.08	173	4760	1.70 ug/L	88
71)	Isopropylbenzene	14.12	105	23510	1.96 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.40	83	7851	1.70 ug/L	98
74)	1,2,3-Trichloropropane	14.63	75	6636	1.70 ug/L	97
75)	trans-1,4-Dichloro-2-buten	14.77	88	1312	1.53 ug/L	88
76)	n-Propylbenzene	14.76	91	30454	2.02 ug/L	98
77)	Bromobenzene	14.77	156	6567	1.91 ug/L	97
78)	1,3,5-Trimethylbenzene	15.02	105	19640	1.93 ug/L	98
79)	2-Chlorotoluene	15.01	91	20768	1.95 ug/L	96
80)	4-Chlorotoluene	15.08	91	19523	1.93 ug/L	93
81)	tert-butylbenzene	15.58	119	16243	1.89 ug/L	100
82)	1,2,4-Trimethylbenzene	15.64	105	20862	1.94 ug/L	98
83)	Pentachloroethane	15.65	167	2995	2.81 ug/L	94
84)	sec-butylbenzene	15.92	105	25642	1.98 ug/L	97

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43266SI.D
Acq On : 12 Aug 2010 1:23 pm
Sample : 2 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010

Vial: 10
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

JQ 08-13-10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85) p-isopropyltoluene	16.16	119	19967	1.91 ug/L	99
86) 1,3-Dichlorobenzene	16.25	146	11639	1.99 ug/L	95
88) 1,4-Dichlorobenzene	16.43	146	11825	1.96 ug/L	93
89) n-butylbenzene	16.82	91	20675	1.94 ug/L	99
90) 1,2-Dichlorobenzene	17.02	146	11207	1.96 ug/L	96
92) 1,2-Dibromo-3-chloropropan	18.30	75	1805	1.61 ug/L	87
94) 1,2,4-Trichlorobenzene	19.73	180	8771	2.16 ug/L	98
95) Hexachlorobutadiene	19.99	225	4009	2.25 ug/L	89
96) Naphthalene	20.12	128	18729	1.86 ug/L	98
97) 1,2,3-Trichlorobenzene	20.54	180	7804	2.04 ug/L	87
98) 1,3,5-Trichlorobenzene	18.69	180	8922	2.16 ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\081210-I\I43266SI.D
Acq On : 12 Aug 2010 1:23 pm
Sample : 2 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010

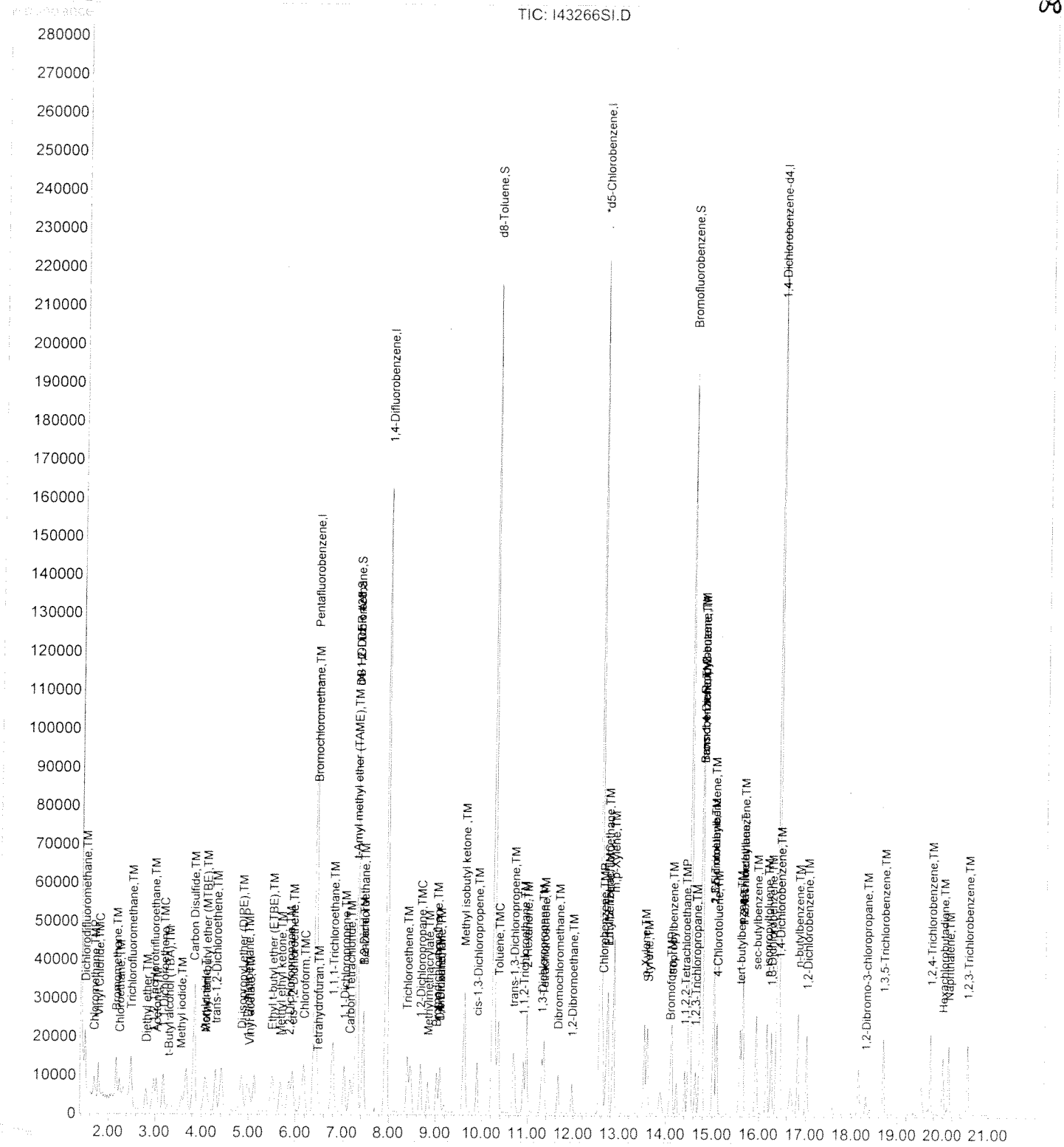
Vial: 10
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 07:07:20 2010
Response via : Initial Calibration

MT 8/13/10

JL 08-13-10



Data File : C:\HPCHEM\1\DATA\081210-I\I43267SI.D Vial: 11
Acq On : 12 Aug 2010 1:51 pm Operator: MT
Sample : 5 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010 Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

JR 08-13-10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	121001	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	195561	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	171272	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.39	152	85875	20.00 ug/L	0.01

System Monitoring Compounds					
28) DB HOLDER #28	7.29	65	115790	17.78 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.90%		
36) d4-1,2-Dichloroethane	7.29	65	115790	17.78 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.90%		
54) d8-Toluene	10.23	98	215306	19.78 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.90%		
73) Bromofluorobenzene	14.49	95	96286	20.10 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.50%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	24915	4.53 ug/L	96
3) Chloromethane	1.67	50	15007	4.18 ug/L	95
4) Vinyl Chloride	1.77	62	15280	4.80 ug/L	98
5) Bromomethane	2.16	94	15526	4.88 ug/L	93
6) Chloroethane	2.24	64	8580	5.34 ug/L	84
7) t-Butyl alcohol (TBA)	3.29	59	12778	16.56 ug/L	99
8) Trichlorofluoromethane	2.48	101	34712	5.10 ug/L	97
9) Diethyl ether	2.81	74	7172	4.06 ug/L	100
10) 1,1,2-Trichlorotrifluoroet	2.97	101	16026	4.65 ug/L	99
12) Acetone	3.02	43	37754	16.01 ug/L	99
13) 1,1-Dichloroethene	3.17	96	12589	4.48 ug/L	96
14) Methyl iodide	3.57	142	18002	4.66 ug/L	99
15) Di-isopropyl ether (DIPE)	4.85	45	50280	3.79 ug/L	95
16) Methylene Chloride	3.83	84	32219	2.52 ug/L	95
17) Carbon Disulfide	3.80	76	41848	4.18 ug/L	100
18) Acrylonitrile	4.06	53	6558	3.58 ug/L	98
19) Methyl-tert-butyl ether (M	4.08	73	45059	4.00 ug/L	99
20) trans-1,2-Dichloroethene	4.29	96	14334	4.18 ug/L	98
21) 1,1-Dichloroethane	4.98	63	29951	4.20 ug/L	100
22) Vinyl acetate	5.02	86	2004	4.58 ug/L	95
23) Methyl ethyl ketone	5.68	72	9038	17.41 ug/L	100
24) Ethyl t-butyl ether (ETBE)	5.50	59	52882	4.02 ug/L	99
25) 2,2-Dichloropropane	5.86	77	25527	4.35 ug/L	99
26) cis-1,2-Dichloroethene	5.93	96	16313	4.26 ug/L	97
27) t-Amyl methyl ether (TAME)	7.26	73	40986	3.92 ug/L	99
29) Chloroform	6.18	83	32679	4.33 ug/L	97
30) Bromochloromethane	6.42	128	9608	4.53 ug/L #	82

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43267SI.D Vial: 11
Acq On : 12 Aug 2010 1:51 pm Operator: MT
Sample : 5 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010 Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

NL 09-08-10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.47	71	2064	3.43 ug/L	95
32)	1,1,1-Trichloroethane	6.79	97	27357	4.39 ug/L	96
34)	1,1-Dichloropropene	7.04	75	21129	4.26 ug/L	94
35)	Carbon Tetrachloride	7.16	119	23306	4.59 ug/L	94
37)	1,2-Dichloroethane	7.44	62	33090	4.20 ug/L	99
38)	Benzene	7.44	78	50140	4.19 ug/L	98
40)	Trichloroethene	8.38	95	16833	4.65 ug/L	98
41)	1,2-Dichloropropane	8.67	63	15266	4.36 ug/L	99
42)	Methylmethacrylate	8.84	69	10703	3.73 ug/L	97
45)	Bromodichloromethane	9.03	83	24112	4.33 ug/L	99
46)	Dibromomethane	9.08	93	15039	4.44 ug/L	93
47)	1,4-Dioxane	9.08	88	4972	94.03 ug/L	99
51)	2-Hexanone	10.97	58	36063	18.23 ug/L	99
52)	Methyl isobutyl ketone	9.61	58	35309	18.78 ug/L	98
53)	cis-1,3-Dichloropropene	9.89	75	24228	4.35 ug/L	99
55)	Toluene	10.36	92	31330	4.51 ug/L	99
56)	trans-1,3-Dichloropropene	10.68	75	24737	4.25 ug/L	99
58)	1,1,2-Trichloroethane	10.90	83	11399	4.06 ug/L	94
59)	1,3-Dichloropropane	11.30	76	23166	4.16 ug/L	96
60)	Tetrachloroethene	11.35	166	19436	4.57 ug/L	95
61)	Dibromochloromethane	11.66	129	19419	4.52 ug/L	93
62)	1,2-Dibromoethane	11.96	107	18446	4.43 ug/L	99
64)	Chlorobenzene	12.62	112	38907	4.74 ug/L	94
65)	1,1,1,2-Tetrachloroethane	12.71	131	14660	4.63 ug/L	95
66)	Ethylbenzene	12.73	91	60975	4.63 ug/L	96
67)	m,p-Xylene	12.86	106	45393	9.62 ug/L	95
68)	o-Xylene	13.53	106	21332	4.67 ug/L	94
69)	Styrene	13.60	104	37973	4.56 ug/L	96
70)	Bromoform	14.08	173	11926	4.16 ug/L	84
71)	Isopropylbenzene	14.12	105	59361	4.82 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.41	83	19824	4.17 ug/L	96
74)	1,2,3-Trichloropropane	14.63	75	16538	4.13 ug/L	95
75)	trans-1,4-Dichloro-2-buten	14.78	88	3720	4.24 ug/L	99
76)	n-Propylbenzene	14.76	91	73540	4.76 ug/L	98
77)	Bromobenzene	14.77	156	16994	4.83 ug/L	92
78)	1,3,5-Trimethylbenzene	15.02	105	49746	4.76 ug/L	96
79)	2-Chlorotoluene	15.01	91	50319	4.61 ug/L	99
80)	4-Chlorotoluene	15.08	91	47593	4.59 ug/L	95
81)	tert-butylbenzene	15.58	119	50713	5.76 ug/L	98
82)	1,2,4-Trimethylbenzene	15.64	105	51451	4.66 ug/L	96
83)	Pentachloroethane	15.64	167	6366	5.82 ug/L	93
84)	sec-butylbenzene	15.92	105	61912	4.66 ug/L	100

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43267SI.D Vial: 11
Acq On : 12 Aug 2010 1:51 pm Operator: MT
Sample : 5 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010 Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

JL 08-13-10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85)	p-isopropyltoluene	16.16	119	50613	4.72 ug/L	97
86)	1,3-Dichlorobenzene	16.26	146	28953	4.82 ug/L	95
88)	1,4-Dichlorobenzene	16.43	146	29331	4.67 ug/L	99
89)	n-butylbenzene	16.82	91	50540	4.56 ug/L	97
90)	1,2-Dichlorobenzene	17.02	146	27522	4.61 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.31	75	4666	4.00 ug/L	96
94)	1,2,4-Trichlorobenzene	19.73	180	19641	4.66 ug/L	92
95)	Hexachlorobutadiene	19.99	225	9189	4.95 ug/L	96
96)	Naphthalene	20.12	128	45371	4.34 ug/L	99
97)	1,2,3-Trichlorobenzene	20.54	180	17968	4.52 ug/L	90
98)	1,3,5-Trichlorobenzene	18.69	180	20577	4.79 ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43267SI.D
Acq On : 12 Aug 2010 1:51 pm
Sample : 5 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010

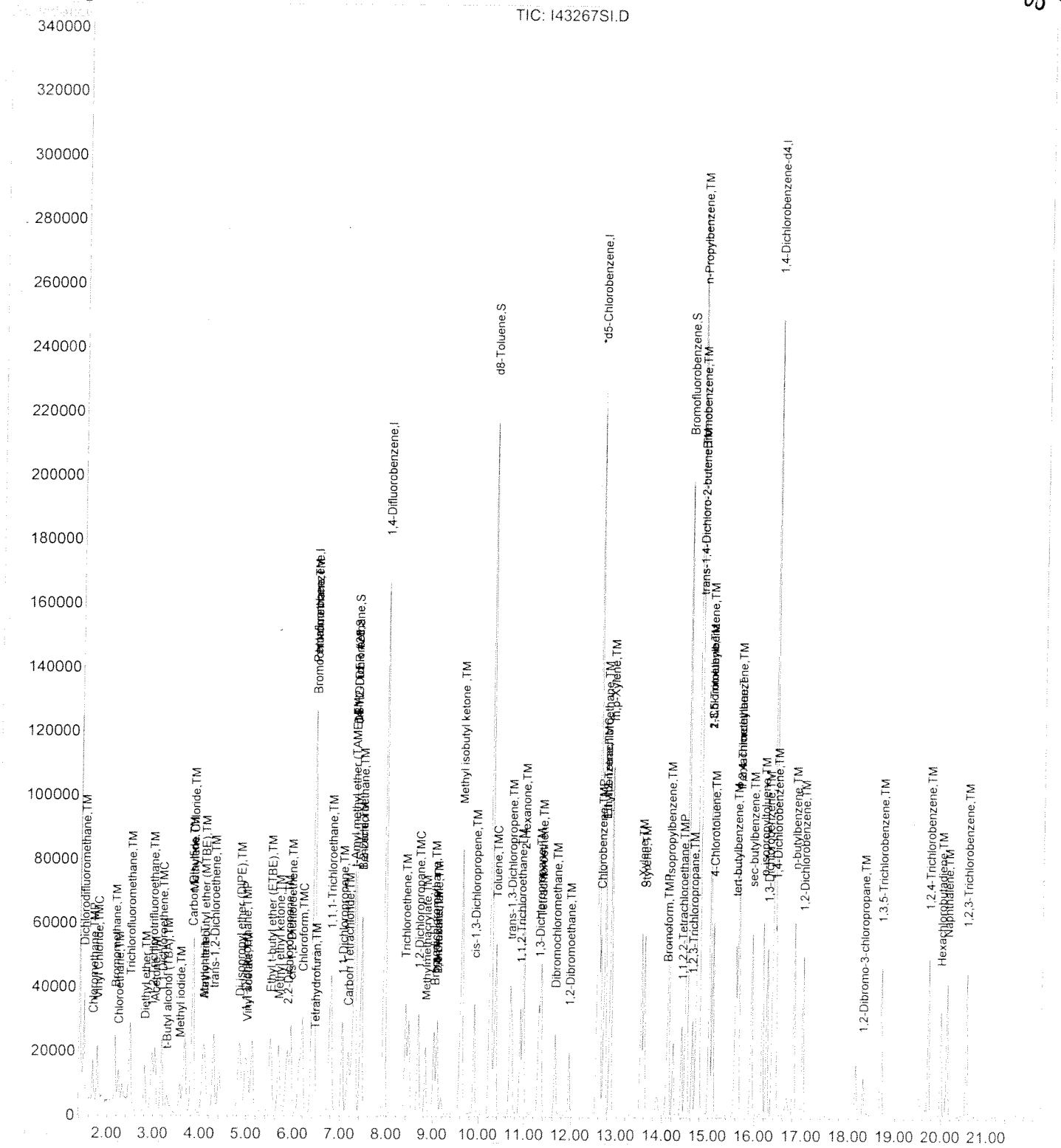
Vial: 11
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 07:07:20 2010
Response via : Initial Calibration

MT 8/13/10

JL 08-13-1



Data File : C:\HPCHEM\1\DATA\081210-I\I43268SI.D Vial: 12
Acq On : 12 Aug 2010 2:19 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010 Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

08-13-10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	122060	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	199837 ✓	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	176302 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	92681	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	7.29	65	118155	17.99 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 89.95%		
36) d4-1,2-Dichloroethane	7.29	65	118155	17.99 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 89.95%		
54) d8-Toluene	10.23	98	219724	19.75 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.75%		
73) Bromofluorobenzene	14.50	95	99558	20.19 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.95%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	100751	18.14 ug/L	100
3) Chloromethane	1.68	50	59613	16.44 ug/L	97
4) Vinyl Chloride	1.77	62	63215	19.70 ug/L	99
5) Bromomethane	2.16	94	54289	23.16 ug/L	99
6) Chloroethane	2.23	64	31442	19.40 ug/L	93
7) t-Butyl alcohol (TBA)	3.29	59	51404	66.03 ug/L	98
8) Trichlorofluoromethane	2.48	101	137932	20.10 ug/L	99
9) Diethyl ether	2.80	74	29141	16.34 ug/L	94
10) 1,1,2-Trichlorotrifluoroet	2.96	101	64527	18.56 ug/L	97
12) Acetone	3.03	43	143436	66.98 ug/L	99
13) 1,1-Dichloroethene	3.16	96	51067	18.01 ug/L	99
14) Methyl iodide	3.56	142	73500	18.85 ug/L	100
15) Di-isopropyl ether (DIPE)	4.84	45	210639	15.72 ug/L	96
16) Methylene Chloride	3.83	84	76394	14.42 ug/L	92
17) Carbon Disulfide	3.81	76	170691	16.90 ug/L	100
18) Acrylonitrile	4.05	53	26917	14.57 ug/L	99
19) Methyl-tert-butyl ether (M	4.08	73	183437	16.14 ug/L	98
20) trans-1,2-Dichloroethene	4.29	96	60319	17.43 ug/L	96
21) 1,1-Dichloroethane	4.97	63	120788	16.77 ug/L	99
22) Vinyl acetate	5.02	86	8906	20.19 ug/L	72
23) Methyl ethyl ketone	5.67	72	37007	70.67 ug/L	93
24) Ethyl t-butyl ether (ETBE)	5.49	59	213841	16.11 ug/L	99
25) 2,2-Dichloropropane	5.85	77	103935	17.56 ug/L	100
26) cis-1,2-Dichloroethene	5.93	96	67495	17.48 ug/L	98
27) t-Amyl methyl ether (TAME)	7.25	73	169596	16.10 ug/L	98
29) Chloroform	6.18	83	130259	17.11 ug/L	99
30) Bromochloromethane	6.43	128	38088	17.81 ug/L #	85

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43268SI.D Vial: 12
Acq On : 12 Aug 2010 2:19 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010 Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

08/13/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.48	71	8327	13.73 ug/L	97
32)	1,1,1-Trichloroethane	6.78	97	113229	18.00 ug/L	97
34)	1,1-Dichloropropene	7.04	75	88641	17.73 ug/L	97
35)	Carbon Tetrachloride	7.17	119	96243	18.79 ug/L	96
37)	1,2-Dichloroethane	7.44	62	136338	17.15 ug/L	99
38)	Benzene	7.43	78	201809	16.73 ug/L	96
40)	Trichloroethene	8.39	95	68005	18.40 ug/L	94
41)	1,2-Dichloropropane	8.67	63	60449	16.88 ug/L	99
42)	Methylmethacrylate	8.83	69	46359	15.81 ug/L	97
45)	Bromodichloromethane	9.02	83	104308	18.34 ug/L	99
46)	Dibromomethane	9.09	93	60494	17.47 ug/L	94
47)	1,4-Dioxane	9.09	88	21328	394.71 ug/L	87
51)	2-Hexanone	10.96	58	149831	74.11 ug/L	98
52)	Methyl isobutyl ketone	9.61	58	143543	74.71 ug/L	96
53)	cis-1,3-Dichloropropene	9.88	75	100666	17.68 ug/L	97
55)	Toluene	10.35	92	129256	18.21 ug/L	99
56)	trans-1,3-Dichloropropene	10.67	75	106035	17.83 ug/L	97
58)	1,1,2-Trichloroethane	10.90	83	49161	17.13 ug/L	100
59)	1,3-Dichloropropane	11.29	76	96657	17.00 ug/L	100
60)	Tetrachloroethene	11.34	166	81555	18.75 ug/L	96
61)	Dibromochloromethane	11.66	129	80867	18.41 ug/L	99
62)	1,2-Dibromoethane	11.96	107	74914	17.62 ug/L	98
64)	Chlorobenzene	12.62	112	161252	19.10 ug/L	94
65)	1,1,1,2-Tetrachloroethane	12.71	131	61995	19.00 ug/L	98
66)	Ethylbenzene	12.73	91	258021	19.03 ug/L	97
67)	m,p-Xylene	12.85	106	187777	38.68 ug/L	99
68)	o-Xylene	13.53	106	91000	19.33 ug/L	94
69)	Styrene	13.59	104	166541	19.44 ug/L	98
70)	Bromoform	14.08	173	54421	18.42 ug/L	98
71)	Isopropylbenzene	14.12	105	249680	19.69 ug/L	99
72)	1,1,2,2-Tetrachloroethane	14.40	83	81902	16.76 ug/L	95
74)	1,2,3-Trichloropropane	14.63	75	65730	15.93 ug/L	98
75)	trans-1,4-Dichloro-2-buten	14.77	88	16754	18.54 ug/L	92
76)	n-Propylbenzene	14.75	91	308568	19.39 ug/L	99
77)	Bromobenzene	14.77	156	69223	19.12 ug/L	95
78)	1,3,5-Trimethylbenzene	15.02	105	216583	20.14 ug/L	98
79)	2-Chlorotoluene	15.01	91	214902	19.12 ug/L	99
80)	4-Chlorotoluene	15.09	91	204678	19.18 ug/L	98
81)	tert-butylbenzene	15.58	119	183647	20.26 ug/L	100
82)	1,2,4-Trimethylbenzene	15.64	105	227122	19.99 ug/L	99
83)	Pentachloroethane	15.64	167	27836	24.71 ug/L	97
84)	sec-butylbenzene	15.92	105	278261	20.36 ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43268SI.D Vial: 12
Acq On : 12 Aug 2010 2:19 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010 Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

03.13.10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85)	p-isopropyltoluene	16.16	119	230282	20.87 ug/L	99
86)	1,3-Dichlorobenzene	16.25	146	124758	20.17 ug/L	99
88)	1,4-Dichlorobenzene	16.44	146	128671	19.00 ug/L	97
89)	n-butylbenzene	16.82	91	223947	18.71 ug/L	97
90)	1,2-Dichlorobenzene	17.01	146	118149	18.35 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.30	75	20105	15.98 ug/L	96
94)	1,2,4-Trichlorobenzene	19.73	180	86195	18.94 ug/L	98
95)	Hexachlorobutadiene	19.99	225	37656	18.79 ug/L	99
96)	Naphthalene	20.12	128	195318	17.31 ug/L	100
97)	1,2,3-Trichlorobenzene	20.55	180	81444	18.99 ug/L	95
98)	1,3,5-Trichlorobenzene	18.69	180	90425	19.50 ug/L	99

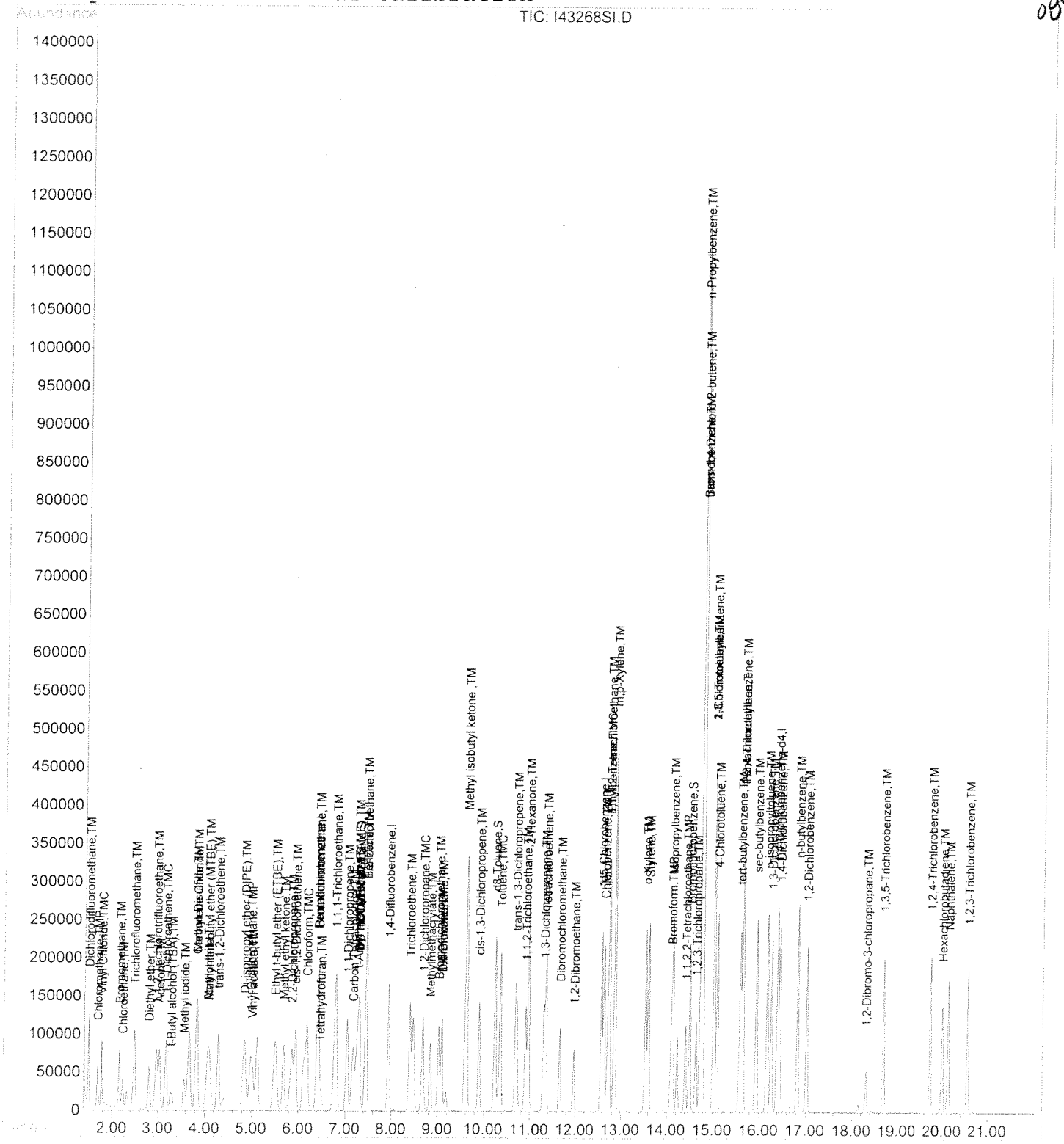
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43268SI.D Vial: 12
Acq On : 12 Aug 2010 2:19 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010 Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 07:07:20 2010
Response via : Initial Calibration

MT 8/13/10

08-8-10



Data File : C:\HPCHEM\1\DATA\081210-I\I43269SI.D Vial: 13
Acq On : 12 Aug 2010 2:47 pm Operator: MT
Sample : 50 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010 Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

JOK 08.13.10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	125420	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.94	114	209040	20.00 ug/L	0.01
63) *d5-Chlorobenzene	12.58	117	188528	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.39	152	96420	20.00 ug/L	0.02

System Monitoring Compounds					
28) DB HOLDER #28	7.30	65	120360	17.84 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 89.20%		
36) d4-1,2-Dichloroethane	7.30	65	120360	17.84 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 89.20%		
54) d8-Toluene	10.25	98	231107	19.86 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.30%		
73) Bromofluorobenzene	14.51	95	106095	20.12 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.60%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	279522	48.98 ug/L	100
3) Chloromethane	1.67	50	163376	43.85 ug/L	99
4) Vinyl Chloride	1.76	62	168516	51.11 ug/L	97
5) Bromomethane	2.15	94	134718	59.52 ug/L	98
6) Chloroethane	2.23	64	88757	53.29 ug/L	99
7) t-Butyl alcohol (TBA)	3.29	59	137852	172.33 ug/L	100
8) Trichlorofluoromethane	2.47	101	363293	51.52 ug/L	97
9) Diethyl ether	2.80	74	80417	43.87 ug/L	90
10) 1,1,2-Trichlorotrifluoroet	2.96	101	178579	50.00 ug/L	98
12) Acetone	3.02	43	364670	179.81 ug/L	99
13) 1,1-Dichloroethene	3.16	96	140469	48.20 ug/L	96
14) Methyl iodide	3.56	142	230484	57.52 ug/L	99
15) Di-isopropyl ether (DIPE)	4.84	45	572036	41.55 ug/L	96
16) Methylene Chloride	3.82	84	182299	44.09 ug/L	95
17) Carbon Disulfide	3.79	76	472903	45.56 ug/L	100
18) Acrylonitrile	4.04	53	69823	36.78 ug/L	97
19) Methyl-tert-butyl ether (M	4.08	73	496516	42.51 ug/L	96
20) trans-1,2-Dichloroethene	4.28	96	166669	46.87 ug/L	96
21) 1,1-Dichloroethane	4.97	63	335991	45.41 ug/L	99
22) Vinyl acetate	5.01	86	21881	48.27 ug/L	78
23) Methyl ethyl ketone	5.67	72	98083	182.28 ug/L	91
24) Ethyl t-butyl ether (ETBE)	5.50	59	602777	44.19 ug/L	98
25) 2,2-Dichloropropane	5.86	77	287093	47.21 ug/L	99
26) cis-1,2-Dichloroethene	5.93	96	185818	46.83 ug/L	97
27) t-Amyl methyl ether (TAME)	7.26	73	467144	43.16 ug/L	97
29) Chloroform	6.19	83	356348	45.55 ug/L	99
30) Bromochloromethane	6.43	128	103785	47.23 ug/L #	82

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43269SI.D
Acq On : 12 Aug 2010 2:47 pm
Sample : 50 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010

Vial: 13
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

08-13-1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.48	71	22289	35.76 ug/L	91
32)	1,1,1-Trichloroethane	6.79	97	311244	48.15 ug/L	98
34)	1,1-Dichloropropene	7.04	75	246063	47.91 ug/L	98
35)	Carbon Tetrachloride	7.17	119	269389	51.18 ug/L	98
37)	1,2-Dichloroethane	7.45	62	364057	44.58 ug/L	99
38)	Benzene	7.44	78	549420	44.34 ug/L	96
40)	Trichloroethene	8.39	95	188857	48.85 ug/L	92
41)	1,2-Dichloropropane	8.68	63	169599	45.28 ug/L	100
42)	Methylmethacrylate	8.85	69	124707	40.65 ug/L	94
45)	Bromodichloromethane	9.02	83	283116	47.59 ug/L	99
46)	Dibromomethane	9.09	93	164516	45.41 ug/L	94
47)	1,4-Dioxane	9.10	88	56159	993.56 ug/L	96
51)	2-Hexanone	10.98	58	396133	187.30 ug/L	97
52)	Methyl isobutyl ketone	9.62	58	385189	191.66 ug/L	96
53)	cis-1,3-Dichloropropene	9.90	75	283096	47.54 ug/L	97
55)	Toluene	10.36	92	358800	48.33 ug/L	99
56)	trans-1,3-Dichloropropene	10.69	75	296821	47.71 ug/L	99
58)	1,1,2-Trichloroethane	10.92	83	133189	44.36 ug/L	99
59)	1,3-Dichloropropane	11.31	76	263198	44.26 ug/L	99
60)	Tetrachloroethene	11.36	166	249030	54.72 ug/L	98
61)	Dibromochloromethane	11.67	129	230081	50.09 ug/L	100
62)	1,2-Dibromoethane	11.97	107	205576	46.23 ug/L	97
64)	Chlorobenzene	12.64	112	449320	49.78 ug/L	95
65)	1,1,1,2-Tetrachloroethane	12.72	131	175031	50.17 ug/L	99
66)	Ethylbenzene	12.75	91	721295	49.75 ug/L	98
67)	m,p-Xylene	12.87	106	516655	99.52 ug/L	95
68)	o-Xylene	13.55	106	264109	52.47 ug/L	91
69)	Styrene	13.61	104	471050	51.41 ug/L	97
70)	Bromoform	14.10	173	152415	48.25 ug/L	96
71)	Isopropylbenzene	14.14	105	718122	52.97 ug/L	100
72)	1,1,2,2-Tetrachloroethane	14.41	83	218972	41.89 ug/L	95
74)	1,2,3-Trichloropropane	14.65	75	180381	40.89 ug/L	99
75)	trans-1,4-Dichloro-2-buten	14.79	88	45222	46.79 ug/L	92
76)	n-Propylbenzene	14.77	91	827820	48.65 ug/L	97
77)	Bromobenzene	14.79	156	189779	49.01 ug/L #	91
78)	1,3,5-Trimethylbenzene	15.04	105	585354	50.91 ug/L	99
79)	2-Chlorotoluene	15.03	91	585402	48.70 ug/L	99
80)	4-Chlorotoluene	15.10	91	554269	48.58 ug/L	96
81)	tert-butylbenzene	15.60	119	623697	64.35 ug/L	95
82)	1,2,4-Trimethylbenzene	15.66	105	620345	51.07 ug/L	99
83)	Pentachloroethane	15.66	167	61552	51.11 ug/L	96
84)	sec-butylbenzene	15.94	105	768668	52.60 ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43269SI.D
Acq On : 12 Aug 2010 2:47 pm
Sample : 50 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010

Vial: 13
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

09-19-10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85)	p-isopropyltoluene	16.18	119	647141	54.83 ug/L	98
86)	1,3-Dichlorobenzene	16.27	146	341334	51.60 ug/L	98
88)	1,4-Dichlorobenzene	16.45	146	353697	50.19 ug/L	98
89)	n-butylbenzene	16.84	91	630006	50.60 ug/L	95
90)	1,2-Dichlorobenzene	17.03	146	333991	49.87 ug/L	98
92)	1,2-Dibromo-3-chloropropan	18.32	75	55200	42.18 ug/L	97
94)	1,2,4-Trichlorobenzene	19.74	180	247844	52.35 ug/L	100
95)	Hexachlorobutadiene	20.00	225	107103	51.38 ug/L	98
96)	Naphthalene	20.14	128	560528	47.75 ug/L	99
97)	1,2,3-Trichlorobenzene	20.56	180	224032	50.21 ug/L	99
98)	1,3,5-Trichlorobenzene	18.71	180	249632	51.74 ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43269SI.D
Acq On : 12 Aug 2010 2:47 pm
Sample : 50 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010

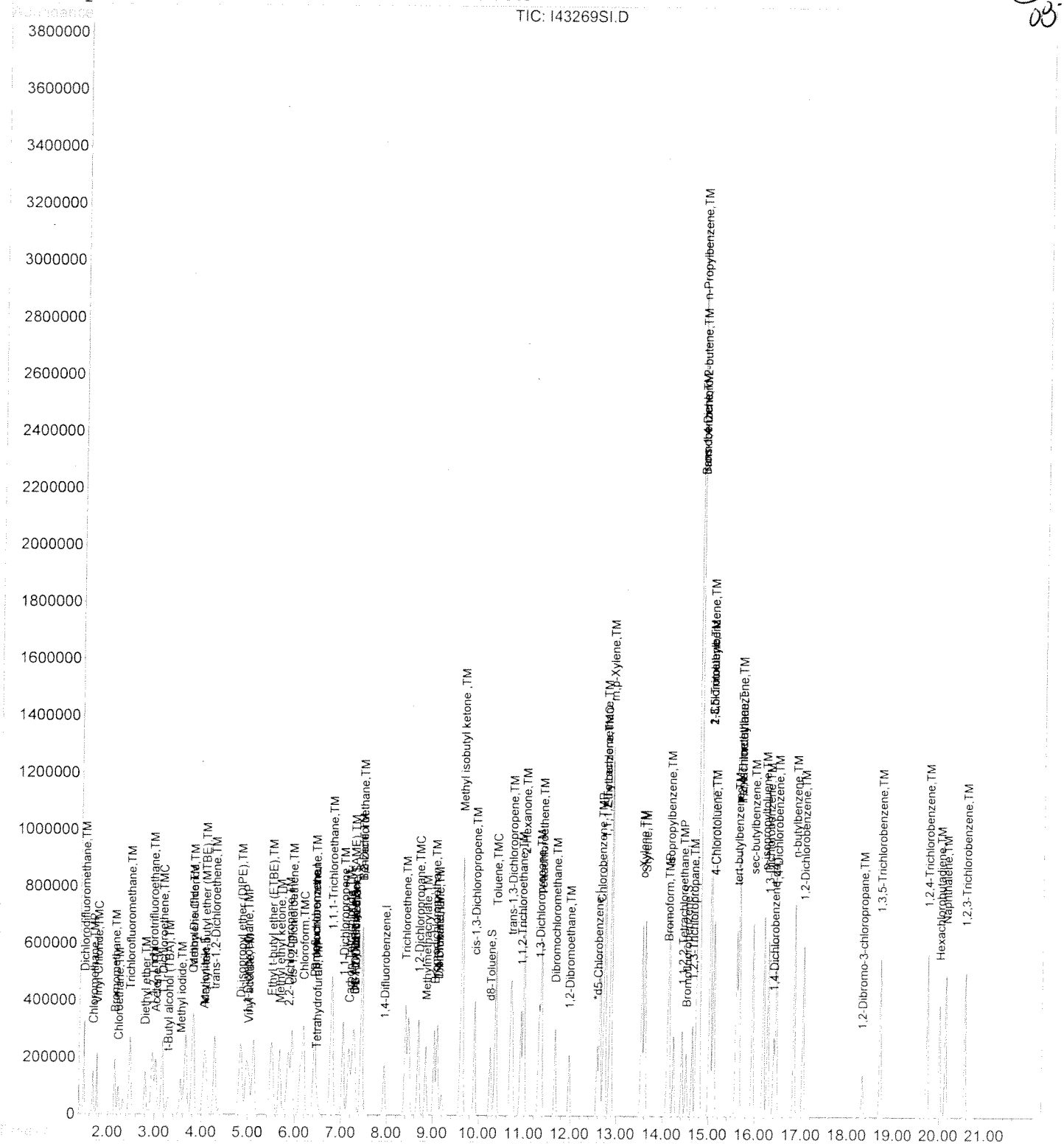
Vial: 13
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 07:07:20 2010
Response via : Initial Calibration

MT 8/13/10

03-18-10



Data File : C:\HPCHEM\1\DATA\081210-I\I43270SI.D
Acq On : 12 Aug 2010 3:15 pm
Sample : 100 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010

Vial: 14
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

JL 08-13-10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	138964	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	229711 ✓	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	205937	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	101737	20.00 ug/L	0.01

System Monitoring Compounds					
28) DB HOLDER #28	7.29	65	129049	17.26 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.30%		
36) d4-1,2-Dichloroethane	7.29	65	129049	17.26 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 86.30%		
54) d8-Toluene	10.24	98	248819	19.46 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.30%		
73) Bromofluorobenzene	14.50	95	107777	18.71 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.55%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	564980	89.35 ug/L	100
3) Chloromethane	1.67	50	341716	82.78 ug/L	100
4) Vinyl Chloride	1.75	62	340108	93.10 ug/L	99
5) Bromomethane	2.14	94	265492	107.83 ug/L	99
6) Chloroethane	2.22	64	177614	96.25 ug/L	98
7) t-Butyl alcohol (TBA)	3.31	59	324439	366.06 ug/L	99
8) Trichlorofluoromethane	2.46	101	695837	89.07 ug/L	98
9) Diethyl ether	2.80	74	166316	81.89 ug/L	90
10) 1,1,2-Trichlorotrifluoroet	2.94	101	361202	91.28 ug/L	96
12) Acetone	3.03	43	786885	408.15 ug/L	100
13) 1,1-Dichloroethene	3.15	96	287209	88.95 ug/L	98
14) Methyl iodide	3.55	142	491359	110.67 ug/L	98
15) Di-isopropyl ether (DIPE)	4.84	45	1205660	79.04 ug/L	95
16) Methylene Chloride	3.82	84	356289	91.07 ug/L	96
17) Carbon Disulfide	3.78	76	972576	84.57 ug/L	100
18) Acrylonitrile	4.05	53	155410	73.88 ug/L	99
19) Methyl-tert-butyl ether (M	4.08	73	1073084	82.92 ug/L	96
20) trans-1,2-Dichloroethene	4.27	96	343226	87.11 ug/L	97
21) 1,1-Dichloroethane	4.96	63	693627	84.60 ug/L	99
22) Vinyl acetate	5.02	86	49082	97.72 ug/L	68
23) Methyl ethyl ketone	5.67	72	219886	368.82 ug/L	94
24) Ethyl t-butyl ether (ETBE)	5.50	59	1276693	84.48 ug/L	98
25) 2,2-Dichloropropane	5.85	77	599250	88.95 ug/L	100
26) cis-1,2-Dichloroethene	5.93	96	384786	87.53 ug/L	98
27) t-Amyl methyl ether (TAME)	7.25	73	999955	83.37 ug/L	95
29) Chloroform	6.18	83	733235	84.59 ug/L	100
30) Bromochloromethane	6.42	128	225856	92.76 ug/L #	80

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43270SI.D
Acq On : 12 Aug 2010 3:15 pm
Sample : 100 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010

Vial: 14
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

08-187

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	6.47	71	50332	72.89 ug/L	89
32) 1,1,1-Trichloroethane	6.78	97	637248	88.98 ug/L	96
34) 1,1-Dichloropropene	7.03	75	510340	89.68 ug/L	98
35) Carbon Tetrachloride	7.16	119	555554	95.26 ug/L	100
37) 1,2-Dichloroethane	7.44	62	754136	83.34 ug/L	100
38) Benzene	7.43	78	1135132	82.67 ug/L	98
40) Trichloroethene	8.38	95	387114	91.13 ug/L	89
41) 1,2-Dichloropropane	8.67	63	355207	86.31 ug/L	99
42) Methylmethacrylate	8.84	69	278491	82.60 ug/L	93
45) Bromodichloromethane	9.01	83	588165	89.98 ug/L	99
46) Dibromomethane	9.08	93	344848	86.63 ug/L	93
47) 1,4-Dioxane	9.09	88	122563	1973.25 ug/L	97
51) 2-Hexanone	10.97	58	874449	376.26 ug/L	96
52) Methyl isobutyl ketone	9.61	58	832636	377.03 ug/L	95
53) cis-1,3-Dichloropropene	9.89	75	590747	90.28 ug/L	95
55) Toluene	10.35	92	714810	87.62 ug/L	97
56) trans-1,3-Dichloropropene	10.68	75	613579	89.75 ug/L	100
58) 1,1,2-Trichloroethane	10.90	83	271951	82.42 ug/L	99
59) 1,3-Dichloropropane	11.30	76	551011	84.32 ug/L	100
60) Tetrachloroethene	11.35	166	496090	99.21 ug/L	96
61) Dibromochloromethane	11.65	129	494806	98.02 ug/L	98
62) 1,2-Dibromoethane	11.96	107	434305	88.88 ug/L	98
64) Chlorobenzene	12.62	112	939114	95.24 ug/L	96
65) 1,1,1,2-Tetrachloroethane	12.71	131	368499	96.70 ug/L	98
66) Ethylbenzene	12.73	91	1460122	92.19 ug/L	98
67) m,p-Xylene	12.86	106	1057954	186.55 ug/L	95
68) o-Xylene	13.54	106	528803	96.18 ug/L	92
69) Styrene	13.60	104	952535	95.17 ug/L	99
70) Bromoform	14.09	173	330692	95.84 ug/L	96
71) Isopropylbenzene	14.12	105	1442989	97.43 ug/L	100
72) 1,1,2,2-Tetrachloroethane	14.40	83	452972	79.34 ug/L	96
74) 1,2,3-Trichloropropane	14.63	75	377258	78.29 ug/L	98
75) trans-1,4-Dichloro-2-buten	14.78	88	96916	91.81 ug/L	83
76) n-Propylbenzene	14.76	91	1591770	85.63 ug/L	95
77) Bromobenzene	14.78	156	384344	90.87 ug/L #	85
78) 1,3,5-Trimethylbenzene	15.02	105	1182037	94.11 ug/L	99
79) 2-Chlorotoluene	15.00	91	1180231	89.89 ug/L	98
80) 4-Chlorotoluene	15.09	91	1097715	88.07 ug/L	94
81) tert-butylbenzene	15.58	119	1283962	121.27 ug/L	96
82) 1,2,4-Trimethylbenzene	15.64	105	1255090	94.59 ug/L	100
83) Pentachloroethane	15.65	167	142641	108.42 ug/L	93
84) sec-butylbenzene	15.92	105	1529311	95.81 ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43270SI.D
Acq On : 12 Aug 2010 3:15 pm
Sample : 100 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010

Vial: 14
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Wed Jul 28 07:07:53 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

08-13-2

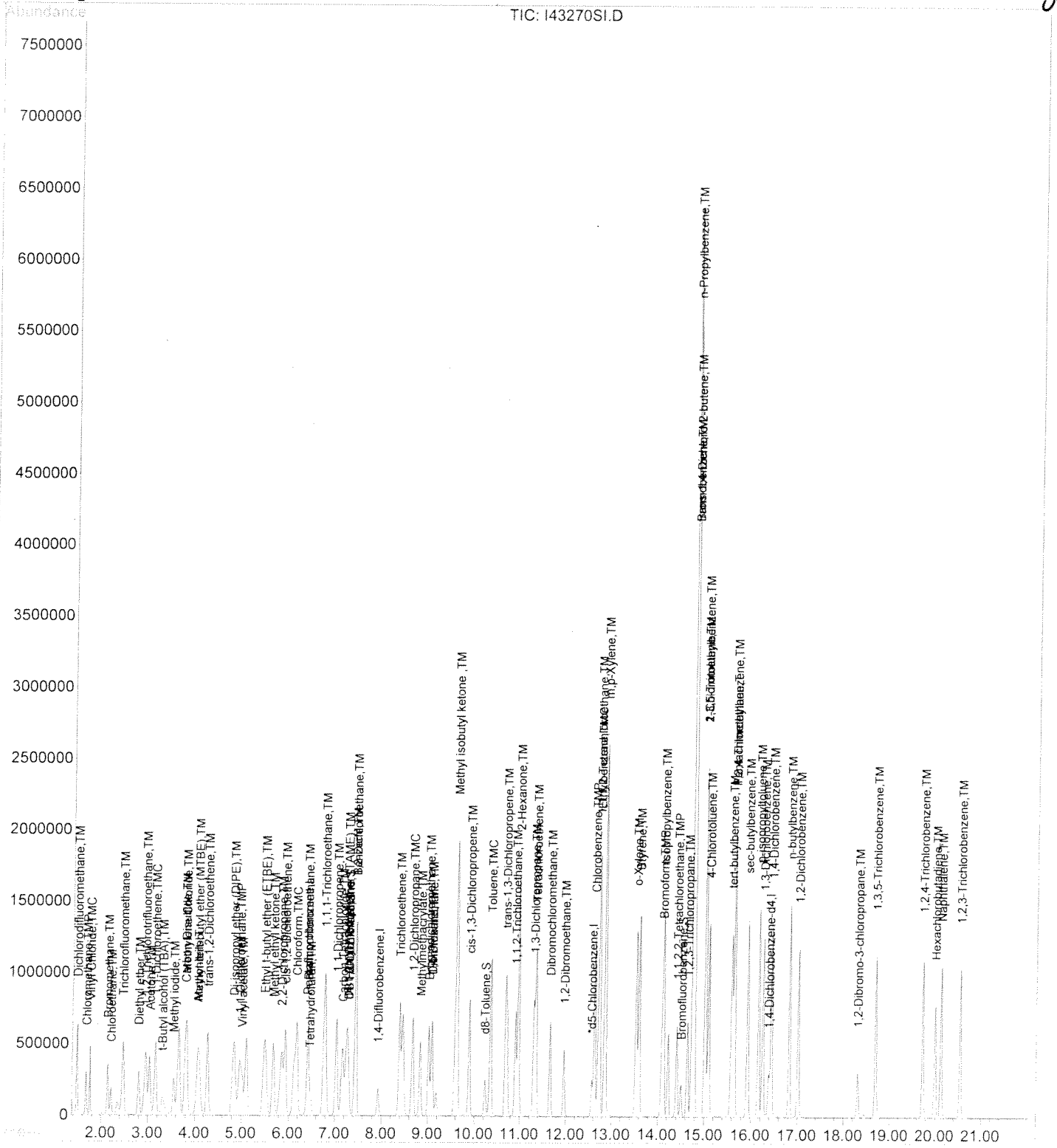
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85)	p-isopropyltoluene	16.16	119	1293078	100.30 ug/L	99
86)	1,3-Dichlorobenzene	16.26	146	698798	96.72 ug/L	98
88)	1,4-Dichlorobenzene	16.43	146	711732	95.73 ug/L	99
89)	n-butylbenzene	16.82	91	1214975	92.48 ug/L	95
90)	1,2-Dichlorobenzene	17.01	146	668278	94.57 ug/L	97
92)	1,2-Dibromo-3-chloropropan	18.31	75	113428	82.15 ug/L	84
94)	1,2,4-Trichlorobenzene	19.72	180	486227	97.33 ug/L	99
95)	Hexachlorobutadiene	19.99	225	225960	102.73 ug/L	99
96)	Naphthalene	20.12	128	1188232	95.94 ug/L	99
97)	1,2,3-Trichlorobenzene	20.54	180	453617	96.36 ug/L	99
98)	1,3,5-Trichlorobenzene	18.69	180	503935	98.99 ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43270SI.D Vial: 14
Acq On : 12 Aug 2010 3:15 pm Operator: MT
Sample : 100 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 12 16:16 2010 Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 07:07:20 2010
Response via : Initial Calibration

MT 8/13/10



Data File : C:\HPCHEM\1\DATA\081210-I\I43273Q.D Vial: 17
Acq On : 12 Aug 2010 4:40 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 13:54 2010 Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

09.18.V

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	140348	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	229355 ✓	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	203812 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.39	152	101573	20.00	ug/L	0.00

System Monitoring Compounds						
28) DB HOLDER #28	7.29	65	128492	19.14	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.70% ✓			
36) d4-1,2-Dichloroethane	7.29	65	128492	19.14	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.70% ✓			
54) d8-Toluene	10.23	98	250610	19.97	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.85% ✓			
73) Bromofluorobenzene	14.49	95	107927	19.28	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.40% ✓			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	111468	18.39	ug/L	98
3) Chloromethane	1.67	50	73057	19.16	ug/L	100
4) Vinyl Chloride	1.76	62	70144	18.81	ug/L	97
5) Bromomethane	2.16	94	62318	19.30	ug/L	98
6) Chloroethane	2.23	64	39602	19.97	ug/L	95
7) t-Butyl alcohol (TBA)	3.29	59	64480	103.56	ug/L	98
8) Trichlorofluoromethane	2.48	101	138922	17.14	ug/L	96
9) Diethyl ether	2.80	74	36945	21.51	ug/L	98
10) 1,1,2-Trichlorotrifluoroet	2.96	101	71455	18.57	ug/L	98
12) Acetone	3.02	43	198887	112.45	ug/L	99
13) 1,1-Dichloroethene	3.16	96	59263	19.63	ug/L	95
14) Methyl iodide	3.56	142	95323	19.61	ug/L	98
15) Di-isopropyl ether (DIPE)	4.84	45	272507	22.36	ug/L	100
16) Methylene Chloride	3.83	84	93301	20.10	ug/L	98
17) Carbon Disulfide	3.80	76	215106	21.21	ug/L	100
18) Acrylonitrile	4.05	53	36190	22.93	ug/L	97
19) Methyl-tert-butyl ether (M	4.07	73	478798	44.53	ug/L	98
20) trans-1,2-Dichloroethene	4.29	96	73425	20.44	ug/L	97
21) 1,1-Dichloroethane	4.97	63	147944	20.54	ug/L	97
22) Vinyl acetate	5.03	86	8465	17.98	ug/L	88
23) Methyl ethyl ketone	5.68	72	50423	118.73	ug/L	94
24) Ethyl t-butyl ether (ETBE)	5.49	59	275335	21.83	ug/L	99
25) 2,2-Dichloropropane	5.85	77	120335	19.75	ug/L	98
26) cis-1,2-Dichloroethene	5.93	96	86088	21.62	ug/L	95
27) t-Amyl methyl ether (TAME)	7.25	73	216613	22.03	ug/L	96
29) Chloroform	6.18	83	155875	20.20	ug/L	98
30) Bromochloromethane	6.42	128	47601	21.26	ug/L	99

(#) = qualifier out of range (m) = manual integration

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG: MT 8/13/10
Non-spiked sample: BLK
Spike: 20 PPB ICV

KJL 08.13.10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
Dichlorodifluoromethane	20	80	120	0.0	18	92	
Chloromethane	20	80	120	0.0	19	96	
Vinyl Chloride	20	80	120	0.0	19	94	
Bromomethane	20	80	120	0.0	19	97	
Chloroethane	20	80	120	0.0	20	100	
t-Butyl alcohol (TBA)	100	80	120	0.0	104	104	
Trichlorofluoromethane	20	80	120	0.0	17	86	
Diethyl ether	20	80	120	0.0	22	108	
1,1,2-Trichlorotrifluoroethane	20	80	120	0.0	19	93	
Acetone	100	80	120	0.0	112	112	
1,1-Dichloroethene	20	80	120	0.0	20	98	
Methyl iodide	20	80	120	0.0	20	98	
Di-isopropyl ether (DIPE)	20	80	120	0.0	22	112	
Methylene Chloride	20	80	120	0.0	20	100	
Carbon Disulfide	20	80	120	0.0	21	106	
Methyl-tert-butyl ether (MTBE)	40	80	120	0.0	45	111	
trans-1,2-Dichloroethene	20	80	120	0.0	20	102	
1,1-Dichloroethane	20	80	120	0.0	21	103	
Vinyl acetate	20	80	120	0.0	18	90	
Methyl ethyl ketone	100	80	120	0.0	119	119	
Ethyl t-butyl ether (ETBE)	20	80	120	0.0	22	109	
2,2-Dichloropropane	20	80	120	0.0	20	99	
cis-1,2-Dichloroethene	20	80	120	0.0	22	108	
t-Amyl methyl ether (TAME)	20	80	120	0.0	22	110	
Chloroform	20	80	120	0.0	20	101	
Bromochloromethane	20	80	120	0.0	21	106	
Tetrahydrofuran	20	80	120	0.0	22	108	
1,1,1-Trichloroethane	20	80	120	0.0	20	101	
1,1-Dichloropropene	20	80	120	0.0	20	102	
Carbon Tetrachloride	20	80	120	0.0	20	100	
1,2-Dichloroethane	20	80	120	0.0	20	101	
Benzene	20	80	120	0.0	20	102	
Trichloroethene	20	80	120	0.0	21	103	
1,2-Dichloropropane	20	80	120	0.0	21	105	
Methylmethacrylate	20	80	120	0.0	22	111	
Bromodichloromethane	20	80	120	0.0	21	103	
Dibromomethane	20	80	120	0.0	21	104	
1,4-Dioxane	500	80	120	0.0	536	107	
2-Hexanone	100	80	120	0.0	119	119	
Methyl isobutyl ketone	100	80	120	0.0	115	115	
cis-1,3-Dichloropropene	20	80	120	0.0	22	111	
Toluene	20	80	120	0.0	21	103	
trans-1,3-Dichloropropene	20	80	120	0.0	19	97	
1,1,2-Trichloroethane	20	80	120	0.0	22	108	
1,3-Dichloropropane	20	80	120	0.0	21	107	
Tetrachloroethene	20	80	120	0.0	23	116	
Dibromochloromethane	20	80	120	0.0	21	107	
1,2-Dibromoethane	20	80	120	0.0	21	106	

VOA FORM 3

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: BLK
Spike: 20 PPB ICV

MT 8/13/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
Chlorobenzene	20	80	120	0.0	21	106	
1,1,1,2-Tetrachloroethane	20	80	120	0.0	21	105	
Ethylbenzene	20	80	120	0.0	20	101	
m,p-Xylene	40	80	120	0.0	42	106	
o-Xylene	20	80	120	0.0	21	105	
Styrene	20	80	120	0.0	22	109	
Bromoform	20	80	120	0.0	22	108	
Isopropylbenzene	20	80	120	0.0	18	91	
1,1,2,2-Tetrachloroethane	20	80	120	0.0	21	104	
1,2,3-Trichloropropane	20	80	120	0.0	20	102	
trans-1,4-Dichloro-2-butene	20	80	120	0.0	21	105	
n-Propylbenzene	20	80	120	0.0	20	101	
Bromobenzene	20	80	120	0.0	22	108	
1,3,5-Trimethylbenzene	20	80	120	0.0	20	102	
2-Chlorotoluene	20	80	120	0.0	20	101	
4-Chlorotoluene	20	80	120	0.0	20	99	
tert-butylbenzene	20	80	120	0.0	22	109	
1,2,4-Trimethylbenzene	20	80	120	0.0	20	99	
sec-butylbenzene	20	80	120	0.0	21	103	
p-isopropyltoluene	20	80	120	0.0	20	100	
1,3-Dichlorobenzene	20	80	120	0.0	20	102	
1,4-Dichlorobenzene	20	80	120	0.0	20	101	
n-butylbenzene	20	80	120	0.0	20	100	
1,2-Dichlorobenzene	20	80	120	0.0	21	105	
1,2-Dibromo-3-chloropropane	20	80	120	0.0	21	104	
1,2,4-Trichlorobenzene	20	80	120	0.0	19	96	
Hexachlorobutadiene	20	80	120	0.0	19	95	
Naphthalene	20	80	120	0.0	20	102	
1,2,3-Trichlorobenzene	20	80	120	0.0	20	102	
1,3,5-Trichlorobenzene	20	80	120	0.0	20	100	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOA FORM 3

Data File : C:\HPCHEM\1\DATA\081210-I\I43273Q.D
Acq On : 12 Aug 2010 4:40 pm
Sample : 20 PPB ICV
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 13 13:54 2010

Vial: 17
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

JR 03.18.10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.48	71	10446	21.50 ug/L	94
32)	1,1,1-Trichloroethane	6.78	97	133457	20.27 ug/L	98
34)	1,1-Dichloropropene	7.03	75	105989	20.40 ug/L	98
35)	Carbon Tetrachloride	7.16	119	111841	19.98 ug/L	95
37)	1,2-Dichloroethane	7.44	62	159248	20.25 ug/L	96
38)	Benzene	7.44	78	246218	20.41 ug/L	98
40)	Trichloroethene	8.38	95	83332	20.64 ug/L	95
41)	1,2-Dichloropropane	8.67	63	75950	20.97 ug/L	98
42)	Methylmethacrylate	8.83	69	57733	22.14 ug/L	97
45)	Bromodichloromethane	9.03	83	120387	20.54 ug/L	99
46)	Dibromomethane	9.08	93	70677	20.74 ug/L	96
47)	1,4-Dioxane	9.08	88	25281	535.56 ug/L	92
51)	2-Hexanone	10.96	58	200375	118.70 ug/L	97
52)	Methyl isobutyl ketone	9.61	58	190064	115.19 ug/L	99
53)	cis-1,3-Dichloropropene	9.89	75	129387	22.27 ug/L	98
55)	Toluene	10.36	92	156418	20.63 ug/L	96
56)	trans-1,3-Dichloropropene	10.68	75	115457	19.32 ug/L	94
58)	1,1,2-Trichloroethane	10.90	83	60268	21.62 ug/L	99
59)	1,3-Dichloropropane	11.29	76	119341	21.31 ug/L	98
60)	Tetrachloroethene	11.34	166	110822	23.22 ug/L	97
61)	Dibromochloromethane	11.66	129	99163	21.48 ug/L	99
62)	1,2-Dibromoethane	11.96	107	91692	21.12 ug/L	97
64)	Chlorobenzene	12.62	112	200051	21.13 ug/L	99
65)	1,1,1,2-Tetrachloroethane	12.71	131	75566	20.98 ug/L	98
66)	Ethylbenzene	12.73	91	305302	20.27 ug/L	99
67)	m,p-Xylene	12.86	106	228949	42.23 ug/L	93
68)	o-Xylene	13.53	106	112039	21.00 ug/L	99
69)	Styrene	13.60	104	204522	21.89 ug/L	97
70)	Bromoform	14.08	173	65548	21.62 ug/L	99
71)	Isopropylbenzene	14.12	105	262574	18.24 ug/L	99
72)	1,1,2,2-Tetrachloroethane	14.40	83	97060	20.76 ug/L	97
74)	1,2,3-Trichloropropane	14.63	75	79012	20.34 ug/L	98
75)	trans-1,4-Dichloro-2-buten	14.78	88	18439	20.91 ug/L #	54
76)	n-Propylbenzene	14.76	91	356245	20.30 ug/L	97
77)	Bromobenzene	14.77	156	86373	21.53 ug/L	95
78)	1,3,5-Trimethylbenzene	15.02	105	246055	20.41 ug/L	98
79)	2-Chlorotoluene	15.01	91	248132	20.15 ug/L	97
80)	4-Chlorotoluene	15.08	91	228943	19.86 ug/L	97
81)	tert-butylbenzene	15.58	119	257616	21.74 ug/L	94
82)	1,2,4-Trimethylbenzene	15.64	105	251037	19.83 ug/L	99
83)	Pentachloroethane	15.64	167	23989	15.41 ug/L	98
84)	sec-butylbenzene	15.92	105	317432	20.55 ug/L	100

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43273Q.D
Acq On : 12 Aug 2010 4:40 pm
Sample : 20 PPB ICV
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 13 13:54 2010

Vial: 17
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

10
03/3/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85) p-isopropyltoluene	16.16	119	253722	20.01 ug/L	99
86) 1,3-Dichlorobenzene	16.26	146	144811	20.45 ug/L	98
88) 1,4-Dichlorobenzene	16.43	146	148272	20.25 ug/L	99
89) n-butylbenzene	16.82	91	251226	20.06 ug/L	98
90) 1,2-Dichlorobenzene	17.02	146	140877	21.01 ug/L	96
92) 1,2-Dibromo-3-chloropropan	18.31	75	23117	20.86 ug/L	90
94) 1,2,4-Trichlorobenzene	19.73	180	96683	19.25 ug/L	96
95) Hexachlorobutadiene	19.99	225	43603	18.95 ug/L	98
96) Naphthalene	20.12	128	232693	20.41 ug/L	99
97) 1,2,3-Trichlorobenzene	20.54	180	93686	20.43 ug/L	100
98) 1,3,5-Trichlorobenzene	18.69	180	102880	19.93 ug/L	100

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43273Q.D
Acq On : 12 Aug 2010 4:40 pm
Sample : 20 PPB ICV
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 13 13:54 2010

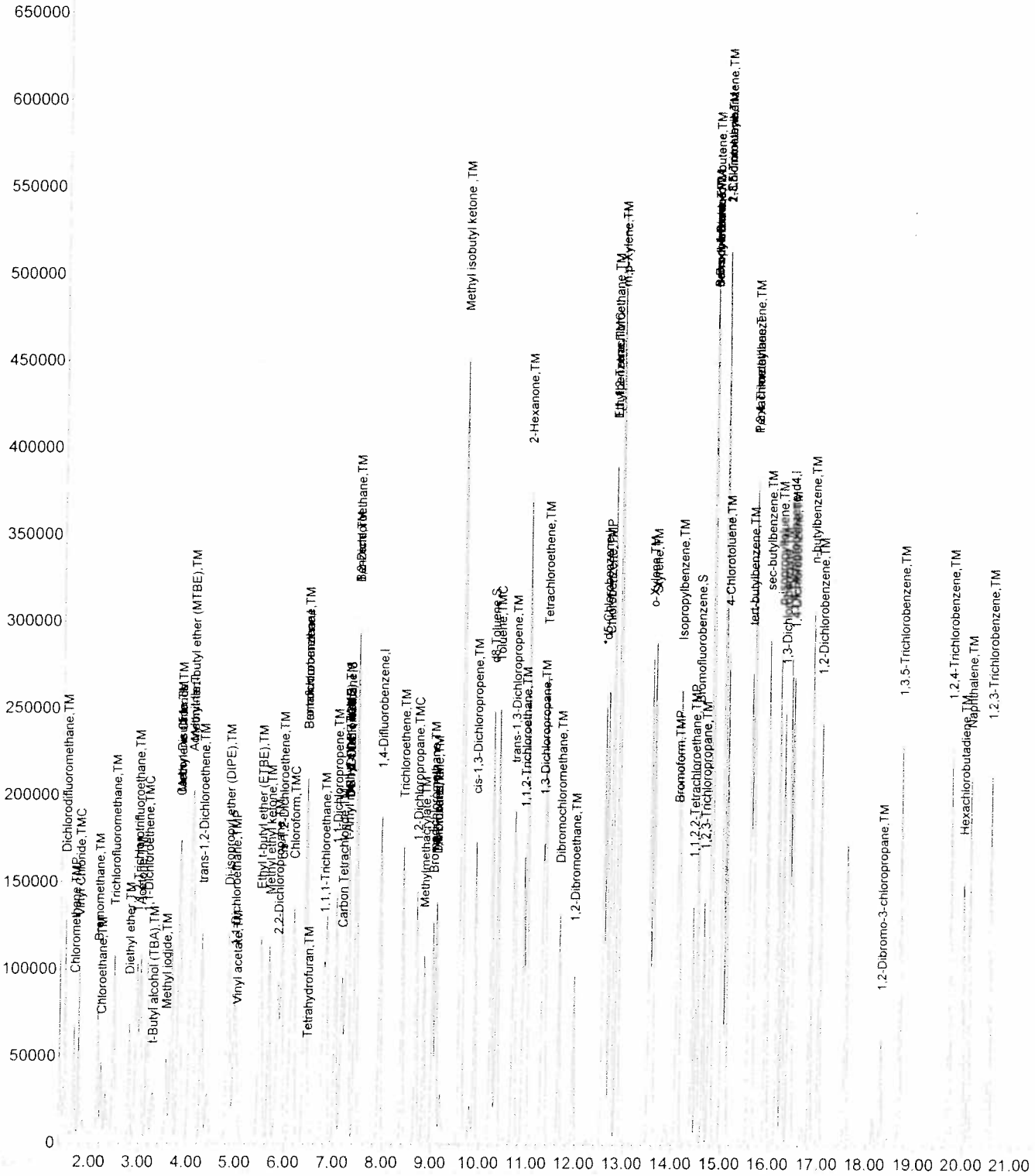
Vial: 17
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration

MT 8/13/10

TIC: I43273Q.D



Data File : C:\HPCHEM\1\DATA\081210-I\I43275SC.D Vial: 19
Acq On : 12 Aug 2010 5:51 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Multiple Level Calibration

MT 8/13/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	114	0.00
2	TM	Dichlorodifluoromethane	0.864	0.885	-2.4	122	0.00
3	TMP	Chloromethane	0.543	0.547	-0.7	128	0.00
4	TMC	Vinyl Chloride	0.531	0.523	1.5	115	0.00
5	TM	Bromomethane	0.534	0.439	~~17.8~~	112	0.00
6	TM	Chloroethane	0.283	0.290	-2.5	128	0.00
7	TM	t-Butyl alcohol (TBA)	0.089	0.087#	2.2	118	0.00
8	TM	Trichlorofluoromethane	1.155	1.173	-1.6	118	0.00
9	TM	Diethyl ether	0.245	0.261	-6.5	125	0.00
10	TM	1,1,2-Trichlorotrifluoroeth	0.548	0.580	-5.8	125	0.00
11	T	Acrolein	0.000	0.000#	0.0	117	0.00
12	TM	Acetone	0.252	0.239	5.2	116	0.00
13	TMC	1,1-Dichloroethene	0.430	0.457	-6.3	124	0.00
14	TM	Methyl iodide	0.693	0.735	-6.1	139	0.00
15	TM	Di-isopropyl ether (DIPE)	1.737	1.853	-6.7	122	0.00
16	TM	Methylene Chloride	1.203	0.623	~~48.2#~~	114	0.00
17	TM	Carbon Disulfide	1.445	1.518	-5.1	124	0.00
18	T	Acrylonitrile	0.225	0.232	-3.1	120	0.00
19	TM	Methyl-tert-butyl ether (MT	1.532	1.569	-2.4	119	0.00
20	TM	trans-1,2-Dichloroethene	0.512	0.540	-5.5	125	0.00
21	TMP	1,1-Dichloroethane	1.027	1.080	-5.2	124	0.00
22	TM	Vinyl acetate	0.067	0.075#	-11.9	117	0.00
23	TM	Methyl ethyl ketone	0.061	0.066#	-8.2	124	0.00
24	TM	Ethyl t-butyl ether (ETBE)	1.798	1.852	-3.0	120	0.00
25	TM	2,2-Dichloropropane	0.868	0.905	-4.3	121	0.00
26	TM	cis-1,2-Dichloroethene	0.567	0.594	-4.8	123	0.00
27	TM	t-Amyl methyl ether (TAME)	1.401	1.456	-3.9	120	0.00
28	S	DB HOLDER #28	0.957	0.909	5.0	107	0.00
29	TMC	Chloroform	1.100	1.130	-2.7	121	0.00
30	TM	Bromochloromethane	0.319	0.338	-6.0	123	0.00
31	TM	Tetrahydrofuran	0.069	0.076#	-10.1	128	0.00
32	TM	1,1,1-Trichloroethane	0.938	0.963	-2.7	118	0.00
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.740	0.777	-5.0	122	0.00
35	TM	Carbon Tetrachloride	0.798	0.820	-2.8	119	0.00
36	S	d4-1,2-Dichloroethane	0.957	0.909	5.0	107	0.00
37	TM	1,2-Dichloroethane	1.120	1.114	0.5	114	0.00
38	TM	Benzene	1.719	1.775	-3.3	122	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	113	0.00
40	TM	Trichloroethene	0.352	0.368	-4.5	122	0.00
41	TMC	1,2-Dichloropropane	0.316	0.333	5.4	125	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\081210-I\I43275SC.D
Acq On : 12 Aug 2010 5:51 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 19
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Multiple Level Calibration

MT 8/13/10

✓JL 03-13-10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.227	0.245	-7.9	120	0.00
43	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
44	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
45	TM	Bromodichloromethane	0.511	0.531	-3.9	115	0.00
46	TM	Dibromomethane	0.297	0.317	-6.7	118	0.00
47	TM	1,4-Dioxane	0.004	0.004#	0.0	118	0.00
48	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	117	0.00
51	TM	2-Hexanone	0.147	0.156	-6.1	118	0.00
52	TM	Methyl isobutyl ketone	0.144	0.154	-6.9	122	0.00
53	TM	cis-1,3-Dichloropropene	0.507	0.534	-5.3	120	0.00
54	S	d8-Toluene	1.094	1.080	1.3	111	0.00
55	TMC	Toluene	0.661	0.687	✓-3.9	120	0.00
56	TM	trans-1,3-Dichloropropene	0.521	0.549	-5.4	117	0.00
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.243	0.250	-2.9	115	0.00
59	TM	1,3-Dichloropropane	0.488	0.513	-5.1	120	0.00
60	TM	Tetrachloroethene	0.416	0.421	-1.2	117	0.00
61	TM	Dibromochloromethane	0.403	0.432	-7.2	121	0.00
62	TM	1,2-Dibromoethane	0.379	0.396	-4.5	120	0.00
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓113	0.00
64	TMP	Chlorobenzene	0.929	0.998✓	-7.4	124	0.00
65	TM	1,1,1,2-Tetrachloroethane	0.353	0.379	-7.4	122	0.00
66	TMC	Ethylbenzene	1.478	1.571	✓-6.3	122	0.00
67	TM	m,p-Xylene	0.532	0.569	-7.0	121	0.00
68	TM	o-Xylene	0.523	0.567	-8.4	124	0.00
69	TM	Styrene	0.917	1.008	-9.9	121	0.00
70	TMP	Bromoform	0.298	0.317✓	-6.4	116	0.00
71	TM	Isopropylbenzene	1.412	1.531	-8.4	123	0.00
72	TMP	1,1,2,2-Tetrachloroethane	0.459	0.476✓	-3.7	116	0.00
73	S	Bromofluorobenzene	0.549	0.528	3.8	106	0.00
74	TM	1,2,3-Trichloropropane	0.381	0.383	-0.5	116	0.00
75	TM	trans-1,4-Dichloro-2-butene	0.087	0.091#	-4.6	109	0.00
76	TM	n-Propylbenzene	1.722	1.819	-5.6	118	0.00
77	TM	Bromobenzene	0.394	0.419	-6.3	121	0.00
78	TM	1,3,5-Trimethylbenzene	1.183	1.254	-6.0	116	0.00
79	TM	2-Chlorotoluene	1.208	1.249	-3.4	116	0.00
80	TM	4-Chlorotoluene	1.131	1.167	-3.2	114	0.00
81	TM	tert-butylbenzene	1.163	1.133	2.6	123	0.00
82	TM	1,2,4-Trimethylbenzene	1.242	1.335	-7.5	117	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\081210-I\I43275SC.D
Acq On : 12 Aug 2010 5:51 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 19
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Multiple Level Calibration

MT 8/13/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

✓JL 08-18-10

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.153	0.189	MT -23.5#	135	0.00
84	TM	sec-butylbenzene	1.516	1.628	-7.4	117	0.00
85	TM	p-isopropyltoluene	1.244	1.370	-10.1	119	0.00
86	TM	1,3-Dichlorobenzene	0.695	0.740	-6.5	118	0.00
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓104	0.00
88	TM	1,4-Dichlorobenzene	1.442	1.560	-8.2	116	0.00
89	TM	n-butylbenzene	2.466	2.727	-10.6	117	0.00
90	TM	1,2-Dichlorobenzene	1.320	1.457	-10.4	118	0.00
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.218	0.227	-4.1	109	0.00
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.989	1.084	-9.6	121	0.00
95	TM	Hexachlorobutadiene	0.453	0.479	-5.7	122	0.00
96	TM	Naphthalene	2.245	2.269	-1.1	112	0.00
97	TM	1,2,3-Trichlorobenzene	0.903	0.975	-8.0	115	0.00
98	TM	1,3,5-Trichlorobenzene	1.016	1.127	-10.9	120	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF
0=LINEAR
3=QUADRATIC

Data File Name: I43275SC.D
Date Acquired: 8/12/2010 5:51
Sample Name: 20 PPB

MT 8/13/10

METHOD: C:\HPCHEM\1\METHODS\VS08120I.M

VOL 08-13-10

CAL FIT	Name	ug/mL Amount	ug/mL Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	20.49	20	2.5%	NA	OK
1	Chloromethane	20.15	20	0.7%	NA	OK
1	Vinyl Chloride	19.66	20	1.7%	NA	OK
3	Bromomethane	19.06	20	4.7%		OK
1	Chloroethane	20.53	20	2.7%	NA	OK
1	t-Butyl alcohol (TBA)	98.35	100	1.7%	NA	OK
1	Trichlorofluoromethane	20.32	20	1.6%	NA	OK
1	Diethyl ether	21.35	20	6.8%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	21.14	20	5.7%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	* MT
1	Acetone	94.69	100	5.3%	NA	OK
1	1,1-Dichloroethene	21.23	20	6.1%	NA	OK
1	Methyl iodide	21.24	20	6.2%	NA	OK
1	Di-isopropyl ether (DIPE)	21.33	20	6.7%	NA	OK
3	Methylene Chloride	18.56	20	7.2%		OK
1	Carbon Disulfide	21.01	20	5.0%	NA	OK
1	Acrylonitrile	20.67	20	3.4%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	20.47	20	2.4%	NA	OK
1	trans-1,2-Dichloroethene	21.11	20	5.5%	NA	OK
1	1,1-Dichloroethane	21.04	20	5.2%	NA	OK
1	Vinyl acetate	22.28	20	11.4%	NA	OK
1	Methyl ethyl ketone	108.74	100	8.7%	NA	OK
1	Ethyl t-butyl ether (ETBE)	20.60	20	3.0%	NA	OK
1	2,2-Dichloropropane	20.85	20	4.2%	NA	OK
1	cis-1,2-Dichloroethene	20.95	20	4.8%	NA	OK
1	t-Amyl methyl ether (TAME)	20.79	20	3.9%	NA	OK
1	Chloroform	20.54	20	2.7%	NA	OK
1	Bromochloromethane	21.18	20	5.9%	NA	OK
1	Tetrahydrofuran	22.08	20	10.4%	NA	OK
1	1,1,1-Trichloroethane	20.54	20	2.7%	NA	OK
1	~~NO COMPOUND~~	0.00	1000	100.0%	NA	~~* MT~~
1	1,1-Dichloropropene	20.99	20	4.9%	NA	OK
1	Carbon Tetrachloride	20.55	20	2.8%	NA	OK
1	d4-1,2-Dichloroethane	19.01	20	5.0%	NA	OK
1	1,2-Dichloroethane	19.88	20	0.6%	NA	OK
1	Benzene	20.65	20	3.3%	NA	OK
1	Trichloroethene	20.90	20	4.5%	NA	OK
1	1,2-Dichloropropane	21.11	20	5.6%	NA	OK
1	Methylmethacrylate	21.56	20	7.8%	NA	OK
1	~~NO COMPOUND~~	0.00	20	100.0%	NA	~~*~~

1	~~NO COMPOUND~~	0.00	20	100.0%	NA	
1	Bromodichloromethane	20.79	20	4.0%	NA	OK
1	Dibromomethane	21.30	20	6.5%	NA	OK
1	1,4-Dioxane	540.39	500	8.1%	NA	OK
1	~~NO COMPOUND~~	0.00	20	100.0%	NA	
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	* KT
1	2-Hexanone	106.19	100	6.2%	NA	OK
1	Methyl isobutyl ketone	107.34	100	7.3%	NA	OK
1	cis-1,3-Dichloropropene	21.09	20	5.5%	NA	OK
1	d8-Toluene	19.74	20	1.3%	NA	OK
1	Toluene	20.79	20	4.0%	NA	OK
1	trans-1,3-Dichloropropene	21.07	20	5.3%	NA	OK
1	1,1,2-Trichloroethane	20.60	20	3.0%	NA	OK
1	1,3-Dichloropropane	21.02	20	5.1%	NA	OK
1	Tetrachloroethene	20.25	20	1.3%	NA	OK
1	Dibromochloromethane	21.49	20	7.4%	NA	OK
1	1,2-Dibromoethane	20.93	20	4.6%	NA	OK
1	Chlorobenzene	21.48	20	7.4%	NA	OK
1	1,1,1,2-Tetrachloroethane	21.42	20	7.1%	NA	OK
1	Ethylbenzene	21.26	20	6.3%	NA	OK
1	m,p-Xylene	42.78	40	6.9%	NA	OK
1	o-Xylene	21.66	20	8.3%	NA	OK
1	Styrene	21.98	20	9.9%	NA	OK
1	Bromoform	21.32	20	6.6%	NA	OK
1	Isopropylbenzene	21.68	20	8.4%	NA	OK
1	1,1,2,2-Tetrachloroethane	20.74	20	3.7%	NA	OK
1	Bromofluorobenzene	19.23	20	3.9%	NA	OK
1	1,2,3-Trichloropropane	20.08	20	0.4%	NA	OK
1	trans-1,4-Dichloro-2-butene	21.07	20	5.4%	NA	OK
1	n-Propylbenzene	21.12	20	5.6%	NA	OK
1	Bromobenzene	21.28	20	6.4%	NA	OK
1	1,3,5-Trimethylbenzene	21.20	20	6.0%	NA	OK
1	2-Chlorotoluene	20.67	20	3.3%	NA	OK
1	4-Chlorotoluene	20.64	20	3.2%	NA	OK
1	tert-butylbenzene	19.49	20	2.6%	NA	OK
1	1,2,4-Trimethylbenzene	21.49	20	7.4%	NA	OK
1	Pentachloroethane	24.69	20	23.4%	NA	* KT
1	sec-butylbenzene	21.47	20	7.4%	NA	OK
1	p-isopropyltoluene	22.02	20	10.1%	NA	OK
1	1,3-Dichlorobenzene	21.29	20	6.4%	NA	OK
1	1,4-Dichlorobenzene	21.64	20	8.2%	NA	OK
1	n-butylbenzene	22.12	20	10.6%	NA	OK
1	1,2-Dichlorobenzene	22.07	20	10.3%	NA	OK
1	1,2-Dibromo-3-chloropropane	20.83	20	4.2%	NA	OK
1	1,2,4-Trichlorobenzene	21.93	20	9.6%	NA	OK
1	Hexachlorobutadiene	21.15	20	5.8%	NA	OK
1	Naphthalene	20.22	20	1.1%	NA	OK
1	1,2,3-Trichlorobenzene	21.60	20	8.0%	NA	OK
1	1,3,5-Trichlorobenzene	22.18	20	10.9%	NA	OK

JL 09.13.1

Data File : C:\HPCHEM\1\DATA\081210-I\I43275SC.D Vial: 19
Acq On : 12 Aug 2010 5:51 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 13 13:57 2010 Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

JL 08-13-10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	139157	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	226398	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.57	117	199836	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	95996	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	7.30	65	126534	19.01 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.05%		
36) d4-1,2-Dichloroethane	7.30	65	126534	19.01 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.05%		
54) d8-Toluene	10.24	98	244526	19.74 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.70%		
73) Bromofluorobenzene	14.50	95	105544	19.23 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.15%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	123140	20.49 ug/L	100
3) Chloromethane	1.67	50	76171	20.15 ug/L	98
4) Vinyl Chloride	1.76	62	72714	19.66 ug/L	98
5) Bromomethane	2.16	94	61053	19.06 ug/L	97
6) Chloroethane	2.23	64	40374	20.53 ug/L	94
7) t-Butyl alcohol (TBA)	3.29	59	60717	98.35 ug/L	97
8) Trichlorofluoromethane	2.48	101	163299	20.32 ug/L	99
9) Diethyl ether	2.80	74	36373	21.35 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	2.97	101	80644	21.14 ug/L	98
12) Acetone	3.02	43	166057	94.69 ug/L	98
13) 1,1-Dichloroethene	3.16	96	63536	21.23 ug/L	93
14) Methyl iodide	3.56	142	102339	21.24 ug/L	97
15) Di-isopropyl ether (DIPE)	4.84	45	257796	21.33 ug/L	99
16) Methylene Chloride	3.83	84	86763	18.56 ug/L	97
17) Carbon Disulfide	3.80	76	211236	21.01 ug/L	100
18) Acrylonitrile	4.05	53	32353	20.67 ug/L	96
19) Methyl-tert-butyl ether (M	4.08	73	218300	20.47 ug/L	99
20) trans-1,2-Dichloroethene	4.29	96	75186	21.11 ug/L	98
21) 1,1-Dichloroethane	4.98	63	150276	21.04 ug/L	99
22) Vinyl acetate	5.02	86	10401	22.28 ug/L	98
23) Methyl ethyl ketone	5.67	72	45792	108.74 ug/L	99
24) Ethyl t-butyl ether (ETBE)	5.50	59	257669	20.60 ug/L	98
25) 2,2-Dichloropropane	5.85	77	125925	20.85 ug/L	99
26) cis-1,2-Dichloroethene	5.93	96	82726	20.95 ug/L	98
27) t-Amyl methyl ether (TAME)	7.26	73	202680	20.79 ug/L	98
29) Chloroform	6.18	83	157185	20.54 ug/L	100
30) Bromochloromethane	6.42	128	47025	21.18 ug/L	99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\081210-I\I43275SC.D
Acq On : 12 Aug 2010 5:51 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 13 13:57 2010

Vial: 19
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

09-13-10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.48	71	10638	22.08 ug/L	88
32)	1,1,1-Trichloroethane	6.79	97	134076	20.54 ug/L	99
34)	1,1-Dichloropropene	7.03	75	108122	20.99 ug/L	98
35)	Carbon Tetrachloride	7.17	119	114050	20.55 ug/L	98
37)	1,2-Dichloroethane	7.44	62	155007	19.88 ug/L	98
38)	Benzene	7.44	78	247043	20.65 ug/L	100
40)	Trichloroethene	8.39	95	83280	20.90 ug/L	96
41)	1,2-Dichloropropane	8.67	63	75469	21.11 ug/L	99
42)	Methylmethacrylate	8.84	69	55517	21.56 ug/L	98
45)	Bromodichloromethane	9.02	83	120305	20.79 ug/L	100
46)	Dibromomethane	9.09	93	71674	21.30 ug/L	97
47)	1,4-Dioxane	9.09	88	25180	540.39 ug/L	86
51)	2-Hexanone	10.97	58	176944	106.19 ug/L	98
52)	Methyl isobutyl ketone	9.61	58	174838	107.34 ug/L	99
53)	cis-1,3-Dichloropropene	9.89	75	120958	21.09 ug/L	98
55)	Toluene	10.35	92	155618	20.79 ug/L	98
56)	trans-1,3-Dichloropropene	10.68	75	124296	21.07 ug/L	97
58)	1,1,2-Trichloroethane	10.91	83	56687	20.60 ug/L	98
59)	1,3-Dichloropropane	11.30	76	116230	21.02 ug/L	99
60)	Tetrachloroethene	11.35	166	95417	20.25 ug/L	99
61)	Dibromochloromethane	11.67	129	97895	21.49 ug/L	100
62)	1,2-Dibromoethane	11.96	107	89671	20.93 ug/L	98
64)	Chlorobenzene	12.63	112	199369	21.48 ug/L	99
65)	1,1,1,2-Tetrachloroethane	12.71	131	75642	21.42 ug/L	99
66)	Ethylbenzene	12.74	91	314023	21.26 ug/L	100
67)	m,p-Xylene	12.86	106	227407	42.78 ug/L	95
68)	o-Xylene	13.54	106	113260	21.66 ug/L	96
69)	Styrene	13.60	104	201423	21.98 ug/L	98
70)	Bromoform	14.09	173	63366	21.32 ug/L	99
71)	Isopropylbenzene	14.12	105	305991	21.68 ug/L	100
72)	1,1,2,2-Tetrachloroethane	14.40	83	95069	20.74 ug/L	98
74)	1,2,3-Trichloropropane	14.63	75	76482	20.08 ug/L	98
75)	trans-1,4-Dichloro-2-buten	14.78	88	18221	21.07 ug/L	94
76)	n-Propylbenzene	14.76	91	363489	21.12 ug/L	98
77)	Bromobenzene	14.78	156	83719	21.28 ug/L #	90
78)	1,3,5-Trimethylbenzene	15.03	105	250597	21.20 ug/L	96
79)	2-Chlorotoluene	15.01	91	249543	20.67 ug/L	96
80)	4-Chlorotoluene	15.09	91	233283	20.64 ug/L	97
81)	tert-butylbenzene	15.59	119	226372	19.49 ug/L	93
82)	1,2,4-Trimethylbenzene	15.64	105	266726	21.49 ug/L	100
83)	Pentachloroethane	15.65	167	37688	24.69 ug/L	97
84)	sec-butylbenzene	15.93	105	325251	21.47 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081210-I\I43275SC.D
Acq On : 12 Aug 2010 5:51 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 13 13:57 2010

Vial: 19
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/13/10

08.18.10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85) p-isopropyltoluene	16.16	119	273765	22.02 ug/L	100
86) 1,3-Dichlorobenzene	16.26	146	147825	21.29 ug/L	98
88) 1,4-Dichlorobenzene	16.43	146	149773	21.64 ug/L	97
89) n-butylbenzene	16.82	91	261821	22.12 ug/L	100
90) 1,2-Dichlorobenzene	17.02	146	139827	22.07 ug/L	98
92) 1,2-Dibromo-3-chloropropan	18.31	75	21816	20.83 ug/L	92
94) 1,2,4-Trichlorobenzene	19.73	180	104106	21.93 ug/L	99
95) Hexachlorobutadiene	19.99	225	46000	21.15 ug/L	99
96) Naphthalene	20.13	128	217841	20.22 ug/L	100
97) 1,2,3-Trichlorobenzene	20.54	180	93582	21.60 ug/L	99
98) 1,3,5-Trichlorobenzene	18.69	180	108220	22.18 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\081210-I\I43275SC.D
Acq On : 12 Aug 2010 5:51 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 13 13:57 2010

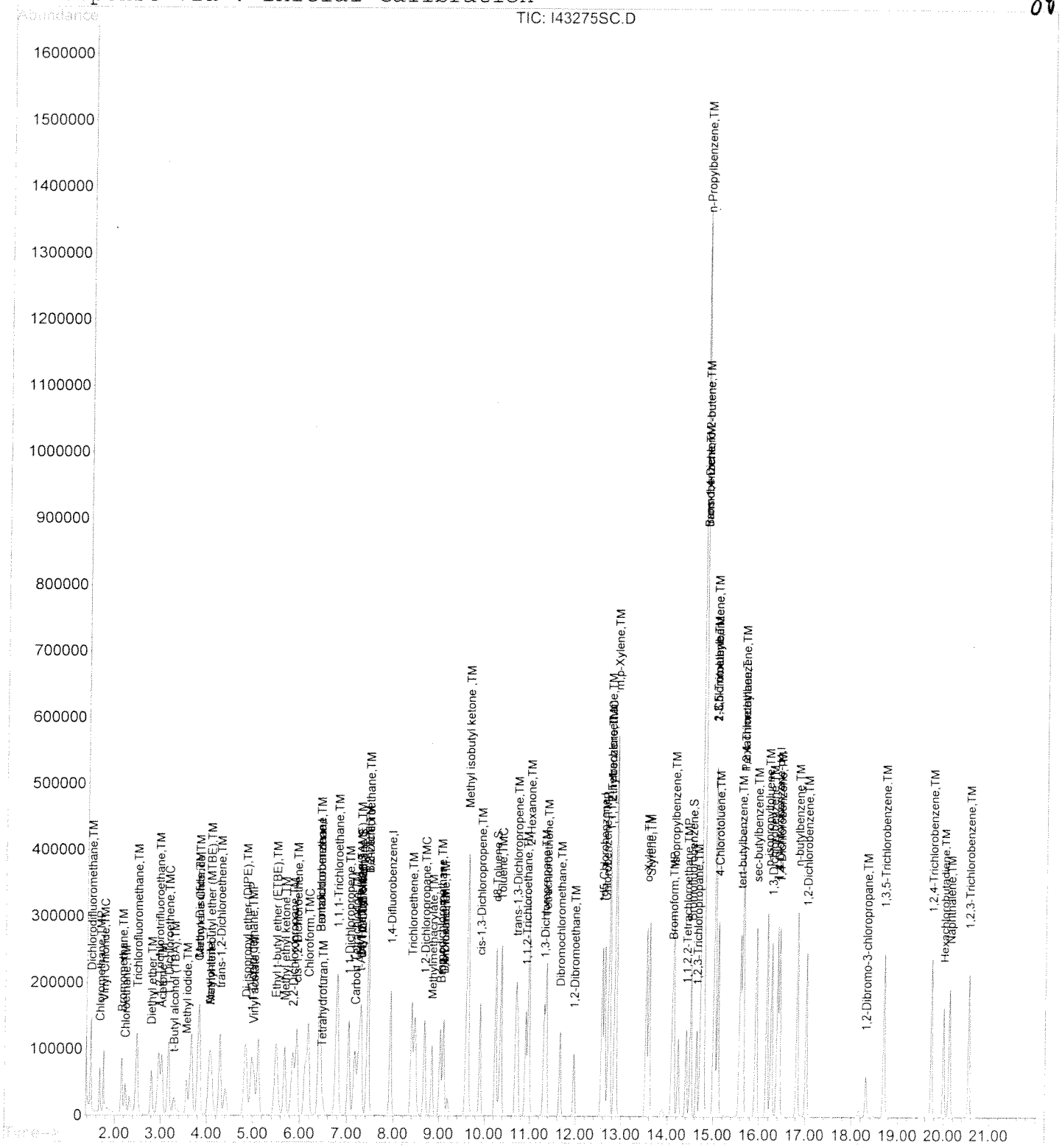
Vial: 19
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration

MT 8/13/10

08/18/10



Data File : C:\HPCHEM\1\DATA\081610-I\I43323SC.D Vial: 4
Acq On : 16 Aug 2010 9:54 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Multiple Level Calibration

MT 8/18/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	130	0.00
2	TM	Dichlorodifluoromethane	0.864	0.811	6.1	128	0.00
3	TMP	Chloromethane	0.543	0.535	1.5	143	0.00
4	TMC	Vinyl Chloride	0.531	0.504	5.1	126	0.00
5	TM	Bromomethane	0.534	0.462 101%	13.5	135	0.00
6	TM	Chloroethane	0.283	0.308	-8.8	155	0.00
7	TM	t-Butyl alcohol (TBA)	0.089	0.104	-16.9	161	0.00
8	TM	Trichlorofluoromethane	1.155	1.050	9.1	121	0.00
9	TM	Diethyl ether	0.245	0.279	-13.9	152	0.00
10	TM	1,1,2-Trichlorotrifluoroeth	0.548	0.593	-8.2	146	0.00
11	T	Acrolein	0.000	0.000#	0.0	181	0.00
12	TM	Acetone	0.252	0.245	2.8	135	0.00
13	TMC	1,1-Dichloroethene	0.430	0.470	-9.3	146	0.00
14	TM	Methyl iodide	0.693	0.754	-8.8	163	0.00
15	TM	Di-isopropyl ether (DIPE)	1.737	1.932	-11.2	146	0.00
16	TM	Methylene Chloride	1.203	0.722 111%	~~40.0#~~	150	0.00
17	TM	Carbon Disulfide	1.445	1.654	-14.5	154	0.00
18	T	Acrylonitrile	0.225	0.240	-6.7	141	0.00
19	TM	Methyl-tert-butyl ether (MT	1.532	1.731	-13.0	150	0.00
20	TM	trans-1,2-Dichloroethene	0.512	0.561	-9.6	148	0.00
21	TMP	1,1-Dichloroethane	1.027	1.095	-6.6	144	0.00
22	TM	Vinyl acetate	0.067	0.102	-52.2#	181	0.02
23	TM	Methyl ethyl ketone	0.061	0.074#	-21.3#	160	0.00
24	TM	Ethyl t-butyl ether (ETBE)	1.798	2.067	-15.0	153	0.00
25	TM	2,2-Dichloropropane	0.868	0.932	-7.4	142	0.00
26	TM	cis-1,2-Dichloroethene	0.567	0.612	-7.9	144	0.00
27	TM	t-Amyl methyl ether (TAME)	1.401	1.618	-15.5	151	0.00
28	S	DB HOLDER #28	0.957	0.847	11.5	114	0.00
29	TMC	Chloroform	1.100	1.121	-1.9	137	0.00
30	TM	Bromochloromethane	0.319	0.367	-15.0	153	0.00
31	TM	Tetrahydrofuran	0.069	0.084#	-21.7#	160	0.00
32	TM	1,1,1-Trichloroethane	0.938	0.958	-2.1	134	0.00
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.740	0.805	-8.8	144	0.00
35	TM	Carbon Tetrachloride	0.798	0.835	-4.6	138	0.00
36	S	d4-1,2-Dichloroethane	0.957	0.847	11.5	114	0.00
37	TM	1,2-Dichloroethane	1.120	1.086	3.0	126	0.00
38	TM	Benzene	1.719	1.850	-7.6	145	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	133	0.00
40	TM	Trichloroethene	0.352	0.353	-0.3	138	0.00
41	TMC	1,2-Dichloropropane	0.316	0.340	-7.6	150	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\081610-I\I43323SC.D Vial: 4
Acq On : 16 Aug 2010 9:54 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010 MT 8/18/10
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.227	0.267	-17.6	153	0.00
43	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
44	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
45	TM	Bromodichloromethane	0.511	0.521	-2.0	133	0.00
46	TM	Dibromomethane	0.297	0.312	-5.1	137	0.00
47	TM	1,4-Dioxane	0.004	0.005#	-25.0#	150	0.00
48	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	154	0.00
51	TM	2-Hexanone	0.147	0.168	-14.3	149	0.00
52	TM	Methyl isobutyl ketone	0.144	0.167	-16.0	155	0.00
53	TM	cis-1,3-Dichloropropene	0.507	0.548	-8.1	145	0.00
54	S	d8-Toluene	1.094	1.032	5.7	125	0.00
55	TMC	Toluene	0.661	0.694	-5.0	143	0.02
56	TM	trans-1,3-Dichloropropene	0.521	0.572	-9.8	144	0.02
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.243	0.251	-3.3	136	0.00
59	TM	1,3-Dichloropropane	0.488	0.508	-4.1	140	0.00
60	TM	Tetrachloroethene	0.416	0.359	13.7	117	0.00
61	TM	Dibromochloromethane	0.403	0.443	-9.9	146	0.00
62	TM	1,2-Dibromoethane	0.379	0.395	-4.2	140	0.00
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	133	0.00
64	TMP	Chlorobenzene	0.929	1.003	-8.0	146	0.00
65	TM	1,1,1,2-Tetrachloroethane	0.353	0.392	-11.0	148	0.00
66	TMC	Ethylbenzene	1.478	1.545	-4.5	140	0.00
67	TM	m,p-Xylene	0.532	0.571	-7.3	142	0.00
68	TM	o-Xylene	0.523	0.580	-10.9	149	0.00
69	TM	Styrene	0.917	1.023	-11.6	144	0.02
70	TMP	Bromoform	0.298	0.329	-10.4	142	0.00
71	TM	Isopropylbenzene	1.412	1.529	-8.3	143	0.00
72	TMP	1,1,2,2-Tetrachloroethane	0.459	0.479	-4.4	137	0.02
73	S	Bromofluorobenzene	0.549	0.516	6.0	121	0.00
74	TM	1,2,3-Trichloropropane	0.381	0.381	0.0	136	0.00
75	TM	trans-1,4-Dichloro-2-butene	0.087	0.096#	-10.3	134	0.02
76	TM	n-Propylbenzene	1.722	1.765	-2.5	134	0.02
77	TM	Bromobenzene	0.394	0.419	-6.3	142	0.00
78	TM	1,3,5-Trimethylbenzene	1.183	1.235	-4.4	134	0.00
79	TM	2-Chlorotoluene	1.208	1.198	0.8	131	0.00
80	TM	4-Chlorotoluene	1.131	1.145	-1.2	131	0.00
81	TM	tert-butylbenzene	1.163	1.127	3.1	144	0.00
82	TM	1,2,4-Trimethylbenzene	1.242	1.295	-4.3	134	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\081610-I\I43323SC.D
Acq On : 16 Aug 2010 9:54 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 4
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Multiple Level Calibration

MT 8/18/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.153	0.249	MT -62.7#	210#	0.00
84	TM	sec-butylbenzene	1.516	1.581	-4.3	133	0.00
85	TM	p-isopropyltoluene	1.244	1.376	-10.6	140	0.00
86	TM	1,3-Dichlorobenzene	0.695	0.739	-6.3	139	0.02
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓123	0.02
88	TM	1,4-Dichlorobenzene	1.442	1.555	-7.8	138	0.00
89	TM	n-butylbenzene	2.466	2.603	-5.6	132	0.00
90	TM	1,2-Dichlorobenzene	1.320	1.468	-11.2	141	0.02
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.218	0.231	-6.0	131	0.00
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.989	1.009	-2.0	133	0.00
95	TM	Hexachlorobutadiene	0.453	0.452	0.2	137	0.00
96	TM	Naphthalene	2.245	2.398	-6.8	140	0.00
97	TM	1,2,3-Trichlorobenzene	0.903	0.922	-2.1	129	0.00
98	TM	1,3,5-Trichlorobenzene	1.016	1.071	-5.4	135	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	I43323SC.D
0=LINEAR	Date Acquired	8/16/2010 9:54
3=QUADRATIC	Sample Name	20 PPB

MT 8/18/10

METHOD: C:\HPCHEM\1\METHODS\VS08120I.M

KL 08.10.1

CAL FIT	Name	ug/mL Amount	ug/mL Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	18.78	20	6.1%	NA	OK
1	Chloromethane	19.70	20	1.5%	NA	OK
1	Vinyl Chloride	18.95	20	5.3%	NA	OK
3	Bromomethane	20.15	20	0.7%		OK
1	Chloroethane	21.76	20	8.8%	NA	OK
1	t-Butyl alcohol (TBA)	117.29	100	17.3%	NA	OK
1	Trichlorofluoromethane	18.17	20	9.1%	NA	OK
1	Diethyl ether	22.77	20	13.9%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	21.62	20	8.1%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	* MT
1	Acetone	97.11	100	2.9%	NA	OK
1	1,1-Dichloroethene	21.87	20	9.3%	NA	OK
1	Methyl iodide	21.79	20	8.9%	NA	OK
1	Di-isopropyl ether (DIPE)	22.25	20	11.2%	NA	OK
3	Methylene Chloride	22.22	20	11.1%		OK
1	Carbon Disulfide	22.88	20	14.4%	NA	OK
1	Acrylonitrile	21.33	20	6.6%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	22.59	20	12.9%	NA	OK
1	trans-1,2-Dichloroethene	21.91	20	9.6%	NA	OK
1	1,1-Dichloroethane	21.33	20	6.7%	NA	OK
1	Vinyl acetate	30.32	20	51.6%	NA	* MT
1	Methyl ethyl ketone	122.99	100	23.0%	NA	* M
1	Ethyl t-butyl ether (ETBE)	22.99	20	15.0%	NA	OK
1	2,2-Dichloropropane	21.47	20	7.3%	NA	OK
1	cis-1,2-Dichloroethene	21.56	20	7.8%	NA	OK
1	t-Amyl methyl ether (TAME)	23.09	20	15.5%	NA	OK
1	Chloroform	20.38	20	1.9%	NA	OK
1	Bromochloromethane	22.99	20	14.9%	NA	OK
1	Tetrahydrofuran	24.20	20	21.0%	NA	* M
1	1,1,1-Trichloroethane	20.43	20	2.2%	NA	OK
1	~~NO COMPOUND~~	0.00	1000	100.0%	NA	*
1	1,1-Dichloropropene	21.75	20	8.7%	NA	OK
1	Carbon Tetrachloride	20.95	20	4.8%	NA	OK
1	d4-1,2-Dichloroethane	17.70	20	11.5%	NA	OK
1	1,2-Dichloroethane	19.38	20	3.1%	NA	OK
1	Benzene	21.52	20	7.6%	NA	OK
1	Trichloroethene	20.08	20	0.4%	NA	OK
1	1,2-Dichloropropane	21.56	20	7.8%	NA	OK
1	Methylmethacrylate	23.46	20	17.3%	NA	OK
1	~~NO COMPOUND~~	0.00	20	100.0%	NA	*

MT 8/18/10

1	~~NO COMPOUND~~	0.00	20	100.0%	NA	
1	Bromodichloromethane	20.39	20	1.9%	NA	OK
1	Dibromomethane	20.99	20	4.9%	NA	OK
1	1,4-Dioxane	584.47	500	16.9%	NA	OK
1	~~NO COMPOUND~~	0.00	20	100.0%	NA	
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	* MT
1	2-Hexanone	114.09	100	14.1%	NA	OK
1	Methyl isobutyl ketone	115.89	100	15.9%	NA	OK
1	cis-1,3-Dichloropropene	21.63	20	8.1%	NA	OK
1	d8-Toluene	18.85	20	5.7%	NA	OK
1	Toluene	20.98	20	4.9%	NA	OK
1	trans-1,3-Dichloropropene	21.95	20	9.8%	NA	OK
1	1,1,2-Trichloroethane	20.68	20	3.4%	NA	OK
1	1,3-Dichloropropane	20.81	20	4.1%	NA	OK
1	Tetrachloroethene	17.23	20	13.8%	NA	OK
1	Dibromochloromethane	22.03	20	10.2%	NA	OK
1	1,2-Dibromoethane	20.89	20	4.4%	NA	OK
1	Chlorobenzene	21.59	20	7.9%	NA	OK
1	1,1,1,2-Tetrachloroethane	22.21	20	11.1%	NA	OK
1	Ethylbenzene	20.91	20	4.5%	NA	OK
1	m,p-Xylene	42.95	40	7.4%	NA	OK
1	o-Xylene	22.15	20	10.7%	NA	OK
1	Styrene	22.31	20	11.6%	NA	OK
1	Bromoform	22.13	20	10.6%	NA	OK
1	Isopropylbenzene	21.64	20	8.2%	NA	OK
1	1,1,2,2-Tetrachloroethane	20.87	20	4.4%	NA	OK
1	Bromofluorobenzene	18.78	20	6.1%	NA	OK
1	1,2,3-Trichloropropane	20.00	20	0.0%	NA	OK
1	trans-1,4-Dichloro-2-butene	22.20	20	11.0%	NA	OK
1	n-Propylbenzene	20.50	20	2.5%	NA	OK
1	Bromobenzene	21.26	20	6.3%	NA	OK
1	1,3,5-Trimethylbenzene	20.89	20	4.4%	NA	OK
1	2-Chlorotoluene	19.83	20	0.9%	NA	OK
1	4-Chlorotoluene	20.25	20	1.3%	NA	OK
1	tert-butylbenzene	19.39	20	3.0%	NA	OK
1	1,2,4-Trimethylbenzene	20.85	20	4.3%	NA	OK
1	Pentachloroethane	32.64	20	63.2%	NA	* MT
1	sec-butylbenzene	20.86	20	4.3%	NA	OK
1	p-isopropyltoluene	22.11	20	10.6%	NA	OK
1	1,3-Dichlorobenzene	21.28	20	6.4%	NA	OK
1	1,4-Dichlorobenzene	21.57	20	7.9%	NA	OK
1	n-butylbenzene	21.11	20	5.6%	NA	OK
1	1,2-Dichlorobenzene	22.24	20	11.2%	NA	OK
1	1,2-Dibromo-3-chloropropane	21.17	20	5.8%	NA	OK
1	1,2,4-Trichlorobenzene	20.40	20	2.0%	NA	OK
1	Hexachlorobutadiene	19.93	20	0.4%	NA	OK
1	Naphthalene	21.37	20	6.9%	NA	OK
1	1,2,3-Trichlorobenzene	20.43	20	2.2%	NA	OK
1	1,3,5-Trichlorobenzene	21.07	20	5.3%	NA	OK

08-13-1

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081610-I\I43323SC.D
Acq On : 16 Aug 2010 9:54 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

Vial: 4
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/18/10

03-13-

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	158738	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.94	114	266236	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.57	117	234190 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.39	152	113879	20.00 ug/L	0.02

System Monitoring Compounds					
28) DB HOLDER #28	7.30	65	134421	17.70 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.50%		
36) d4-1,2-Dichloroethane	7.30	65	134421	17.70 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.50%		
54) d8-Toluene	10.24	98	274674	18.85 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 94.25%		
73) Bromofluorobenzene	14.50	95	120826	18.78 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.90%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	128713	18.78 ug/L	99
3) Chloromethane	1.67	50	84986	19.70 ug/L	99
4) Vinyl Chloride	1.76	62	79930	18.95 ug/L	100
5) Bromomethane	2.16	94	73369	20.15 ug/L	99
6) Chloroethane	2.23	64	48814	21.76 ug/L	93
7) t-Butyl alcohol (TBA)	3.29	59	82601	117.29 ug/L	97
8) Trichlorofluoromethane	2.48	101	166623	18.17 ug/L	97
9) Diethyl ether	2.80	74	44243	22.77 ug/L	97
10) 1,1,2-Trichlorotrifluoroet	2.96	101	94071	21.62 ug/L	97
12) Acetone	3.03	43	194262	97.11 ug/L	95
13) 1,1-Dichloroethene	3.17	96	74663	21.87 ug/L	95
14) Methyl iodide	3.56	142	119762	21.79 ug/L	94
15) Di-isopropyl ether (DIPE)	4.84	45	306722	22.25 ug/L	98
16) Methylene Chloride	3.83	84	114545	22.22 ug/L	99
17) Carbon Disulfide	3.80	76	262479	22.88 ug/L	100
18) Acrylonitrile	4.05	53	38077	21.33 ug/L	97
19) Methyl-tert-butyl ether (M	4.08	73	274697	22.59 ug/L	96
20) trans-1,2-Dichloroethene	4.29	96	89031	21.91 ug/L	99
21) 1,1-Dichloroethane	4.97	63	173788	21.33 ug/L	98
22) Vinyl acetate	5.03	86	16142	30.32 ug/L	96
23) Methyl ethyl ketone	5.67	72	59080	122.99 ug/L	85
24) Ethyl t-butyl ether (ETBE)	5.50	59	328064	22.99 ug/L	99
25) 2,2-Dichloropropane	5.86	77	147916	21.47 ug/L	98
26) cis-1,2-Dichloroethene	5.94	96	97106	21.56 ug/L	96
27) t-Amyl methyl ether (TAME)	7.26	73	256812	23.09 ug/L	93
29) Chloroform	6.19	83	177870	20.38 ug/L	99
30) Bromochloromethane	6.43	128	58221	22.99 ug/L	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081610-I\I43323SC.D
Acq On : 16 Aug 2010 9:54 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

Vial: 4
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/18/10

08-18-1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	6.48	71	13300	24.20 ug/L	89
32) 1,1,1-Trichloroethane	6.79	97	152141	20.43 ug/L	100
34) 1,1-Dichloropropene	7.04	75	127780	21.75 ug/L	100
35) Carbon Tetrachloride	7.17	119	132616	20.95 ug/L	95
37) 1,2-Dichloroethane	7.45	62	172348	19.38 ug/L	97
38) Benzene	7.44	78	293618	21.52 ug/L	99
40) Trichloroethene	8.39	95	94096	20.08 ug/L	87
41) 1,2-Dichloropropane	8.68	63	90618	21.56 ug/L	99
42) Methylmethacrylate	8.84	69	71015	23.46 ug/L	90
45) Bromodichloromethane	9.02	83	138701	20.39 ug/L	99
46) Dibromomethane	9.09	93	83036	20.99 ug/L	95
47) 1,4-Dioxane	9.09	88	32026	584.47 ug/L	89
51) 2-Hexanone	10.97	58	223550	114.09 ug/L	91
52) Methyl isobutyl ketone	9.62	58	221985	115.89 ug/L	99
53) cis-1,3-Dichloropropene	9.89	75	145850	21.63 ug/L	99
55) Toluene	10.36	92	184649	20.98 ug/L	98
56) trans-1,3-Dichloropropene	10.69	75	152306	21.95 ug/L	94
58) 1,1,2-Trichloroethane	10.91	83	66921	20.68 ug/L	98
59) 1,3-Dichloropropane	11.30	76	135328	20.81 ug/L	100
60) Tetrachloroethene	11.35	166	95471	17.23 ug/L	98
61) Dibromochloromethane	11.67	129	118043	22.03 ug/L	100
62) 1,2-Dibromoethane	11.97	107	105244	20.89 ug/L	99
64) Chlorobenzene	12.63	112	234800	21.59 ug/L	98
65) 1,1,1,2-Tetrachloroethane	12.72	131	91917	22.21 ug/L	98
66) Ethylbenzene	12.74	91	361808	20.91 ug/L	98
67) m,p-Xylene	12.86	106	267557	42.95 ug/L	90
68) o-Xylene	13.54	106	135734	22.15 ug/L	94
69) Styrene	13.61	104	239549	22.31 ug/L	96
70) Bromoform	14.09	173	77087	22.13 ug/L	99
71) Isopropylbenzene	14.13	105	357965	21.64 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.41	83	112139	20.87 ug/L	98
74) 1,2,3-Trichloropropane	14.64	75	89283	20.00 ug/L	100
75) trans-1,4-Dichloro-2-buten	14.79	88	22500	22.20 ug/L	92
76) n-Propylbenzene	14.77	91	413354	20.50 ug/L	96
77) Bromobenzene	14.78	156	98014	21.26 ug/L	95
78) 1,3,5-Trimethylbenzene	15.02	105	289267	20.89 ug/L	97
79) 2-Chlorotoluene	15.02	91	280557	19.83 ug/L	95
80) 4-Chlorotoluene	15.09	91	268209	20.25 ug/L	97
81) tert-butylbenzene	15.59	119	263995	19.39 ug/L	91
82) 1,2,4-Trimethylbenzene	15.65	105	303372	20.85 ug/L	98
83) Pentachloroethane	15.65	167	58389	32.64 ug/L	93
84) sec-butylbenzene	15.93	105	370317	20.86 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\081610-I\I43323SC.D
Acq On : 16 Aug 2010 9:54 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

Vial: 4
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration
DataAcq Meth : VS08120I

MT 8/18/10

DL 0319

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85) p-isopropyltoluene	16.17	119	322157	22.11 ug/L	97
86) 1,3-Dichlorobenzene	16.27	146	173182	21.28 ug/L	97
88) 1,4-Dichlorobenzene	16.44	146	177122	21.57 ug/L	97
89) n-butylbenzene	16.83	91	296402	21.11 ug/L	97
90) 1,2-Dichlorobenzene	17.03	146	167167	22.24 ug/L	96
92) 1,2-Dibromo-3-chloropropan	18.31	75	26296	21.17 ug/L	98
94) 1,2,4-Trichlorobenzene	19.73	180	114902	20.40 ug/L	99
95) Hexachlorobutadiene	20.00	225	51418	19.93 ug/L	97
96) Naphthalene	20.13	128	273113	21.37 ug/L	100
97) 1,2,3-Trichlorobenzene	20.55	180	105024	20.43 ug/L	99
98) 1,3,5-Trichlorobenzene	18.70	180	121931	21.07 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\081610-I\I43323SC.D
Acq On : 16 Aug 2010 9:54 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Aug 18 7:27 2010

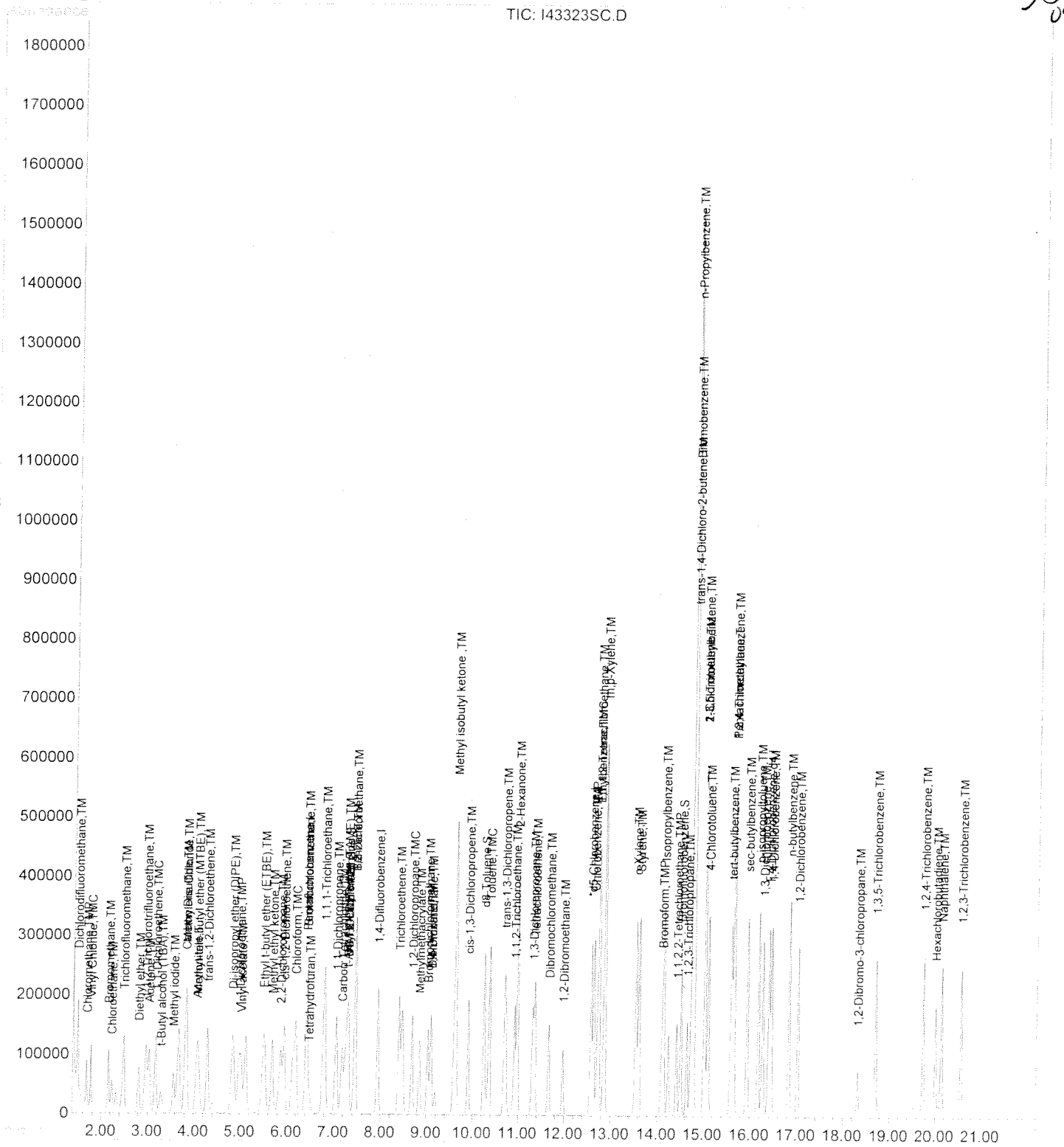
Vial: 4
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS08120I.RES

Method : C:\HPCHEM\1\METHODS\VS08120I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Fri Aug 13 13:54:34 2010
Response via : Initial Calibration

MT 8/18/10

08-13



VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67494

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	122060		6.40		199837		7.93		176302		12.56		92681		16.38	
Upper Limit	244120		6.46		399674		7.99		352604		12.62		185362		16.44	
Lower limit	61030		6.34		99919		7.87		88151		12.50		46341		16.32	
SAMPLE ID																
1 PPB	126985		6.40		207366		7.93		179524		12.57		84249		16.38	
2 PPB	117764		6.40		193258		7.93		166977		12.56		82515		16.39	
5 PPB	121001		6.40		195561		7.93		171272		12.56		85875		16.39	
20 PPB	122060		6.40		199837		7.93		176302		12.56		92681		16.38	
50 PPB	125420		6.40		209040		7.94		188528		12.58		96420		16.39	
100 PPB	138964		6.39		229711		7.93		205937		12.56		101737		16.38	
20 PPB ICV	140348		6.40		229355		7.93		203812		12.56		101573		16.39	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\081210-I\I43264T.D
Tune Time : 12 Aug 2010 12:09 pm

Daily Calibration File : C:\HPCHEM\1\DATA\081210-I\I43268SI.D

						122060	199837	176302	
						92681	MT 8/13/10 KJL 09181?		
File	Sample	Surrogate Recovery %				Internal Standard Responses			
I43265SI.D	1 PPB	88	88	97	96	126985	207366	179524	
				84249					
I43266SI.D	2 PPB	91	91	99	97	117764	193258	166977	
				82515					
I43267SI.D	5 PPB	89	89	99	100	121001	195561	171272	
				85875					
I43268SI.D	20 PPB	90	90	99	101	122060	199837	176302	
				92681					
I43269SI.D	50 PPB	89	89	99	101	125420	209040	188528	
				96420					
I43270SI.D	100 PPB	86	86	97	94	138964	229711	205937	
				101737					
I43273Q.D	20 PPB I	96	96	100	96	140348	229355	203812	
				101573					

t - fails 12hr time check * - fails criteria

Created: Fri Aug 13 13:36:36 2010 Instrumen

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67494

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	139157		6.40		226398		7.93		199836		12.57		95996		16.38	
Upper Limit	278314		6.46		452796		7.99		399672		12.63		191992		16.44	
Lower limit	69579		6.34		113199		7.87		99918		12.51		47998		16.32	
SAMPLE ID																
20 PPB	139157		6.40		226398		7.93		199836		12.57		95996		16.38	
LL08120I	141613		6.41		234091		7.94		202741		12.57		99703		16.39	
LL08120I2	141349		6.40		231277		7.93		205279		12.57		101460		16.39	
LB08120I	133856		6.40		220215		7.93		192950		12.56		91645		16.39	
67494-7	122476		6.40		196859		7.93		176383		12.57		82676		16.38	
67494-1	115487		6.40		186684		7.93		165247		12.56		81490		16.39	
67494-2	118320		6.40		198005		7.93		168746		12.56		84585		16.39	
67494-4	155893		6.40		255094		7.92		227461		12.56		109501		16.39	
67494-5	150641		6.40		253073		7.93		217011		12.57		102987		16.38	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

Tune File : C:\HPCHEM\1\DATA\081210-I\I43274T.D
Tune Time : 12 Aug 2010 5:19 pm

Daily Calibration File : C:\HPCHEM\1\DATA\081210-I\I43275SC.D

139157 226398 199836

MT 8/13/10

95996

KJL 03-13-10

File	Sample	Surrogate Recovery %				Internal Standard Responses		
I43276Q.D	LL08120I	96	96	98	97	141613	234091	202741
				99703				
I43277Q.D	LL08120I	93	93	99	94	141349	231277	205279
				101460				
I43279.D	BROMOFOR	95	95	98	96	139180	229345	204043
				99153				
I43280B.D	LB08120I	98	98	99	95	133856	220215	192950
				91645				
I43281.D	1 PPB LO	96	96	97	95	129384	212863	186325
				91041				
I43282.D	2 PPB LO	100	100	97	99	122662	203142	177398
				87523				
I43283.D	67494-7	102	102	100	97	122476	196859	176383
				82676				
I43284.D	67478-17	104	104	100	99	114180	187036	167692
				83458				
I43285.D	67494-1	103	103	101	98	115487	186684	165247
				81490				
I43286.D	67494-2	103	103	98	100	118320	198005	168746
				84585				
I43287.D	67494-3	94	94	98	99	144213	238985	208840
				102537				
I43288.D	67494-4	91	91	98	94	155893	255094	227461
				109501				
I43289.D	67494-5	90	90	96	93	150641	253073	217011
				102987				
I43290.D	67478-1	93	93	97	94	152884	253867	223806
				104368				
I43291.D	67478-3	92	92	98	90	148325	244784	210008
				89381				
I43292.D	67478-4	92	92	98	94	157350	258003	225269
				106068				
I43293.D	67478-6	87	[illegible]	[illegible]	[illegible]	[illegible]	252645	207786

I43294.D	67478-7	92	92	93	87	149916	250728	202275
				78544				
I43295.D	67478-8	89	89	98	91	161995	259517	221725
				98875				
I43296.D	67478-11	91	91	95	91	157083	259503	216705
				94525				
I43297.D	67478-12	91	91	96	94	160147	265889	231430
				107907				
I43298.D	67478-13	90	90	96	88	155328	257295	213916
				89223				
I43299.D	VB080910	92	92	98	92	152811	255890	226189
				107973				
I43300.D	tVB080910	93	93	98	93	156413	258861	232857
	in-house QC			109089				

t - fails 12hr time check * - fails criteria

Created: Fri Aug 13 13:40:57 2010 Instrumen

JR 08-18-10

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I .
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67494

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	158738		6.40		266236		7.94		234190		12.57		113879		16.39	
Upper Limit	317476		6.46		532472		8.00		468380		12.63		227758		16.45	
Lower limit	79369		6.34		133118		7.88		117095		12.51		56940		16.33	
SAMPLE ID																
20 PPB	158738		6.40		266236		7.94		234190		12.57		113879		16.39	
LL08160I	161002		6.40		270110		7.94		238184		12.57		116131		16.40	
LL08160I2	160390		6.41		263791		7.94		232392		12.57		113003		16.39	
LB08160B	159954		6.41		260976		7.94		234317		12.57		112914		16.39	
67494-3	157065		6.41		258115		7.93		231026		12.57		112463		16.39	
67494-5	143258		6.40		235078		7.93		207194		12.57		99478		16.38	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\081610-I\I43322T.D
Tune Time : 16 Aug 2010 8:57 am

Daily Calibration File : C:\HPCHEM\1\DATA\081610-I\I43323SC.D

158738 266236 234190

MT 8/18/10

113879

File	Sample	Surrogate Recovery %				Internal Standard Responses		
I43324Q.D	LL08160I	89	89	96	91	161002	270110	238184
				116131				
I43325Q.D	LL08160I	88	88	96	92	160390	263791	232392
				113003				
I43327.D	BROMOFOR	87	87	97	95	162920	266535	237359
				117099				
I43328B.D	LB08160B	89	89	98	93	159954	260976	234317
				112914				
I43330.D	67494-1	89	89	96	92	156895	261659	232083
				114687				
I43331.D	67494-2	89	89	98	92	162333	266388	236997
				112775				
I43332.D	67494-3	88	88	98	91	157065	258115	231026
				112463				
I43333.D	67494-4	88	88	97	93	162448	268965	238944
				116185				
I43334.D	67494-5	86	86	96	91	143258	235078	207194
				99478				

t - fails 12hr time check * - fails criteria

Created: Wed Aug 18 07:27:48 2010 Instrumen

JGL 08-18-10

VPH
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV08120K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 08/12/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				98
Surrogate % Recovery (2,5-Dibromotoluene) FID				93
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**MBV08120K**
Data File Name	K28509B.D
Date Acquired	8/12/2010 13:56
Misc Info	100,10.00,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**1.0000**
% Moisture (divided by 100)	0.0000
Vol. entrained water (mL)	0.0000
Total MeOH/water vol (mL)	10.0000
Dilution Factor	50.00
Moisture Corrected Dilution Factor	50.00

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2500	
Unadjusted C9-C12 Aliphatics	U		2500	
Benzene	U		100	
Ethylbenzene	U		100	
Methyl-t-butylether	U		100	
Naphthalene	U		100	ND
Toluene	U		100	
m,p-Xylenes	U		200	
o-Xylene	U		100	
C5-C8 Aliphatic Hydrocarbons	U		2500	
C9-C12 Aliphatic Hydrocarbons	U		2500	
C9-C10 Aromatic Hydrocarbons	U		500	
PID Surrogate % Recovery	98%		70-130%	PASS
FID Surrogate % Recovery	93%		70-130%	PASS

88 8/16/10

8/16/10

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	32.79	0.00	240173						0
C9-C12 ALIPHATICS	10.57	0.00	75383						0
2,5-Dibromotoluene	92.55		272210						
PID RESULTS									
Methyl-t-butylether #2	0.35	0.00	1646	2.202	2.183	0.0477	OK	0.00	0
Benzene #2	0.46	0.00	5976	3.522	3.512	0.0380	OK	0.00	0
Toluene #2	0.27	0.00	3188	4.877	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.41	0.00	4467	6.122	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.62	0.00	7826	6.186	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.53	0.00	5983	6.558	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.94	0.00	9574	10.247	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	9.75	0.00	114981						0
2,5-Dibromotoluene #2	98.18		774910						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28509B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 1:56 pm
Operator : MT
Sample : MBV08120K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 14:15:29 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/16/10

MT 8/16/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	272210	774910	92.546	98.178	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	92.55%	98.18%
	Target Compounds							
2) Z	2-Methylp...	2.003	2.032	8444	873	1.032	NoCal	#
3) TM	Methyl-t-...	2.165	2.202	642	1646	NoCal	0.353	#
4) Z	2,2,4-Tri...	3.263	3.255	389	792	0.050	NoCal	#
5) TM	Benzene	3.521	3.522	4211	5976	NoCal	0.459	#
6) TM	Toluene	4.883	4.877	1927	3188	NoCal	0.267	#
7) XH	C5-C8 ALI...	3.717	0.000	240173	0	32.790	N.D.	#
9) TM	Ethylbenzene	6.120	6.122	1164	4467	NoCal	0.409	#
10) TM	m,p-Xylene	6.187	6.186	2327	7826	NoCal	0.624	#
11) TM	o-Xylene	6.571	6.558	2110	5983	NoCal	0.535	#
12) Z	n-Decane	7.152	7.164	6573	4024	0.953	NoCal	#
13) Z	n-Butylcy...	7.820	7.822	2804	3376	0.381	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	75383	0	10.574	N.D.	#
15) ZM	1,2,4-Tri...	7.715	7.716	2257	6004	NoCal	0.509	#
16) XH	C9-C10 AR...	10.410	8.424	26	114981	NoCal	9.747	#
17) TM	Naphthalene	10.245	10.247	3151	9574	NoCal	0.939	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

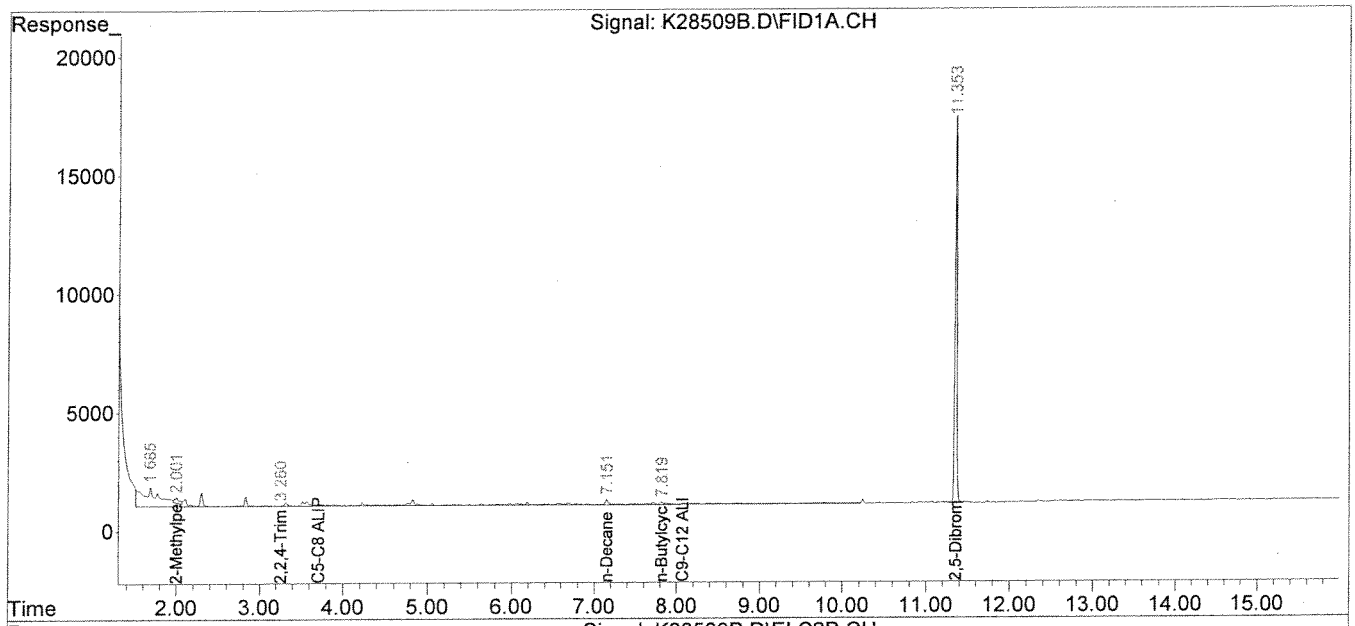
Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28509B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 1:56 pm
Operator : MT
Sample : MBV08120K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

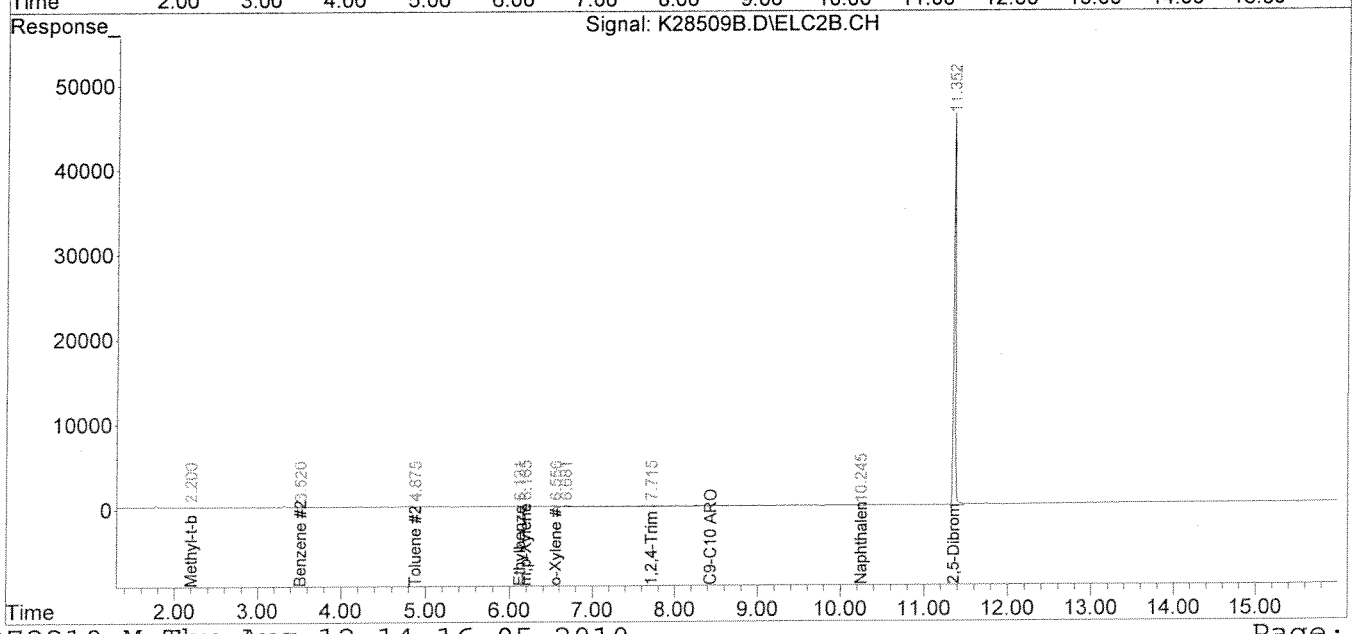
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 14:15:29 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 8/16/10

VMT 8/16/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





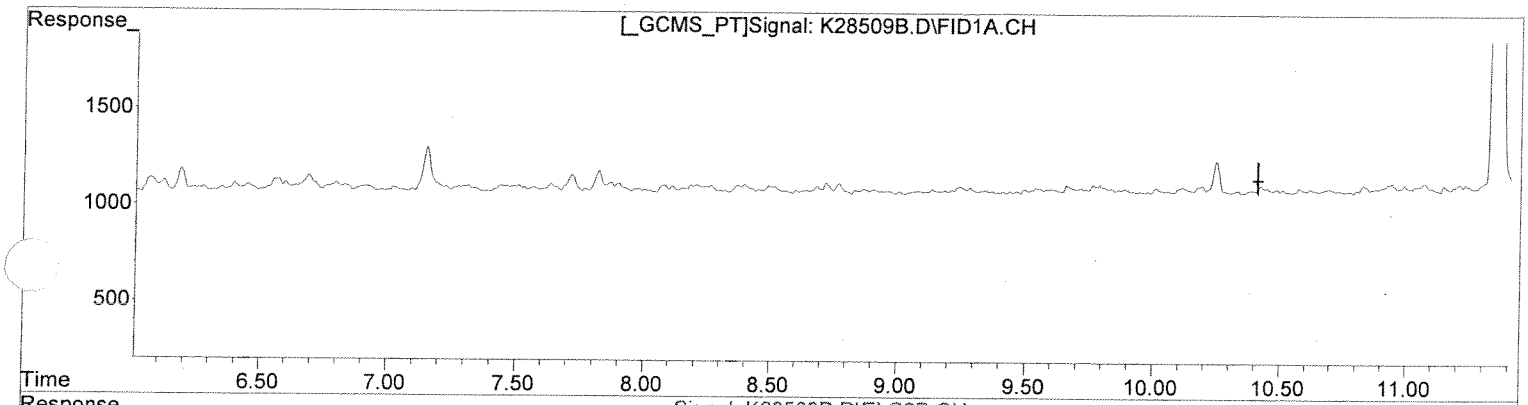
Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28509B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 1:56 pm
Operator : MT
Sample : MBV08120K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

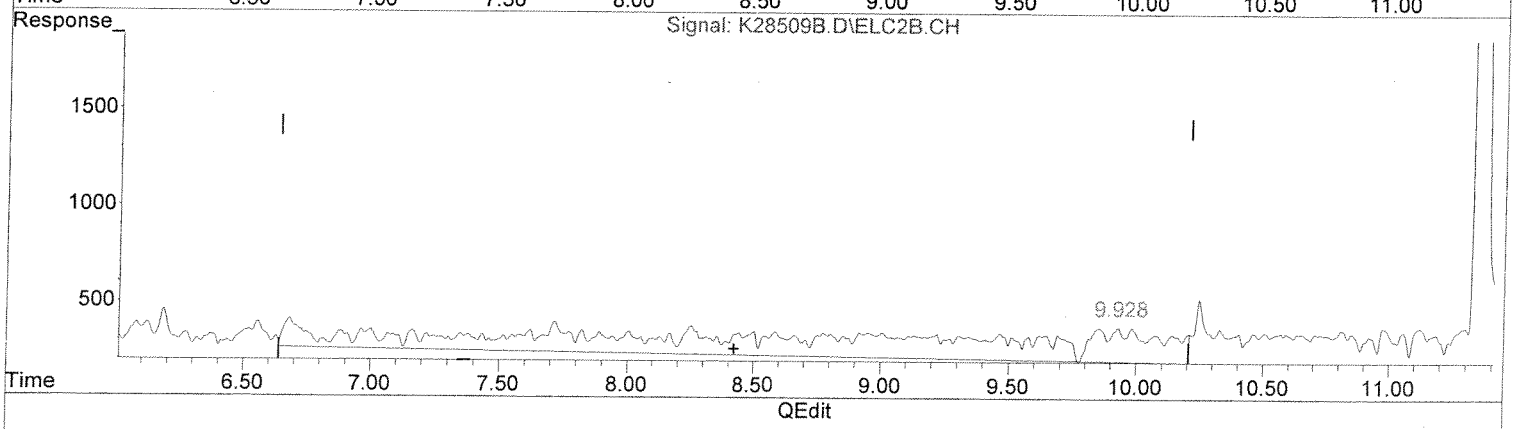
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 14:13:43 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/16/10
Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 8/16/10





(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 26

(16) C9-C10 AROMATICS #2 (XH)
8.424min 16.754ug/L m
response 197630

(+) = Expected Retention Time

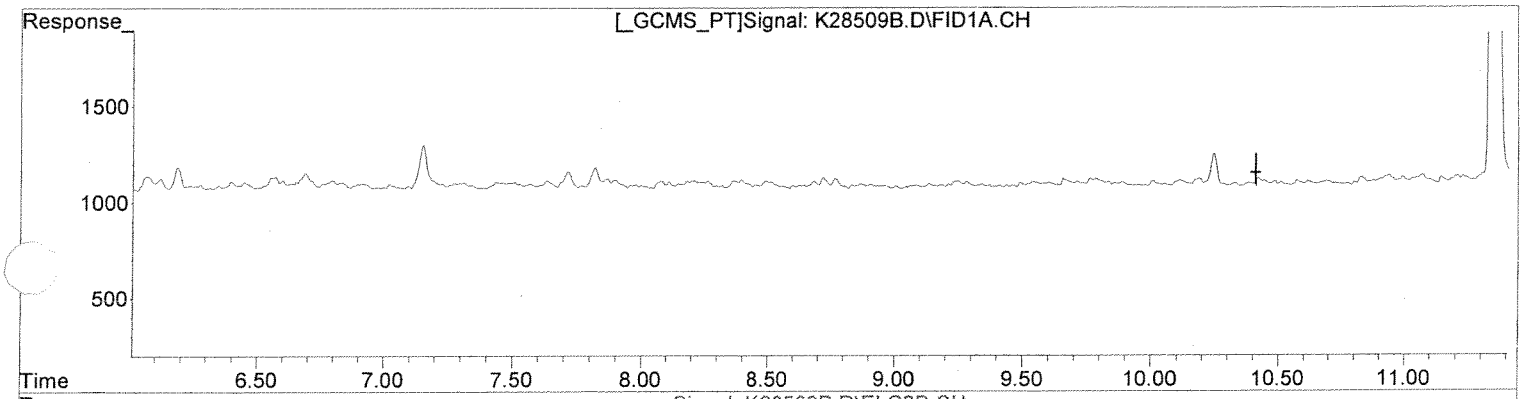
Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28509B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 1:56 pm
Operator : MT
Sample : MBV08120K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

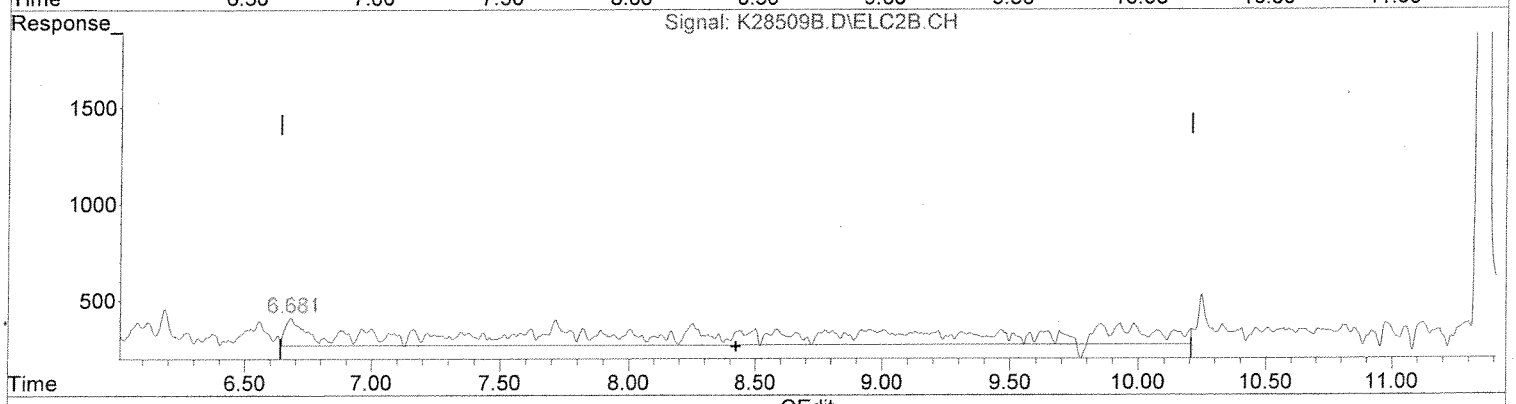
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 14:13:43 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/16/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 8/16/10





QEdit

(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 26

(16) C9-C10 AROMATICS #2 (XH)
8.424min 9.747ug/L m
response 114981

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Client Sample ID: FDS-6

SAMPLE DATA

Lab Sample ID: 67494-5
Matrix: Solid
Percent Solid: 89
Dilution Factor: 72.2
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/12/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3610	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3610	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	290	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3610	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3610	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	720	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				109
Surrogate % Recovery (2,5-Dibromotoluene) FID				103
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67494-5**
Data File Name	K28510.D
Date Acquired	8/12/2010 14:31
Misc Info	100,8.57,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	8.57
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.8863**
% Moisture (divided by 100)	0.1137
Vol. entrained water (mL)	0.9744
Total MeOH/water vol (mL)	10.9744
Dilution Factor	65.83
Moisture Corrected Dilution Factor	72.24

88 8/16/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3612	
Unadjusted C9-C12 Aliphatics	U		3612	
Benzene	U		144	
Ethylbenzene	U		144	
Methyl-t-butylether	U		144	
Naphthalene	U		144	ND
Toluene	U		144	
m,p-Xylenes	U		289	
o-Xylene	U		144	
C5-C8 Aliphatic Hydrocarbons	U		3612	
C9-C12 Aliphatic Hydrocarbons	U		3612	
C9-C10 Aromatic Hydrocarbons	U		722	
PID Surrogate % Recovery	109%		70-130%	PASS
FID Surrogate % Recovery	103%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	33.49	0.00	245305						0
C9-C12 ALIPHATICS	11.08	0.00	78997						0
2,5-Dibromotoluene	94.16		276956						
PID RESULTS									
Methyl-t-butylether #2	0.18	0.00	856	2.191	2.183	0.0477	OK	0.00	0
Benzene #2	0.45	0.00	5903	3.521	3.512	0.0380	OK	0.00	0
Toluene #2	0.27	0.00	3176	4.883	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.30	0.00	3251	6.124	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.41	0.00	5182	6.189	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.59	0.00	6544	6.567	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.54	0.00	5496	10.246	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	9.74	0.00	114926						0
2,5-Dibromotoluene #2	99.52		785483						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

8-16-10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28510.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 2:31 pm
Operator : MT
Sample : 67494-5
Misc : 100,8.57,SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 16 09:18:39 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/16/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.355	11.355	276956	785483	94.160	99.517
Spiked Amount		100.000	Range	70 - 130	Recovery	=	94.16% 99.52%
	Target Compounds						
2) Z	2-Methylp...	2.002	2.012	7849	2126	0.959	NoCal #
3) TM	Methyl-t-...	2.226	2.191	471	856	NoCal	0.183 #
4) Z	2,2,4-Tri...	3.322	3.325	3654	6078	0.474	NoCal #
5) TM	Benzene	3.521	3.521	3443	5903	NoCal	0.454 #
6) TM	Toluene	4.881	4.883	2116	3176	NoCal	0.266 #
7) XH	C5-C8 ALI...	3.717	0.000	245305	0	33.490	N.D. #
9) TM	Ethylbenzene	6.118	6.124	1539	3251	NoCal	0.298 #
10) TM	m,p-Xylene	6.188	6.189	2608	5182	NoCal	0.413 #
11) TM	o-Xylene	6.562	6.567	1574	6544	NoCal	0.585 #
12) Z	n-Decane	7.153	7.154	4479	3282	0.650	NoCal #
13) Z	n-Butylcy...	7.822	7.830	1409	3871	0.191	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	78997	0	11.081	N.D. #
15) ZM	1,2,4-Tri...	7.721	7.719	2025	6332	NoCal	0.537 #
16) XH	C9-C10 AR...	10.410	8.424	20	114926	NoCal	9.743 #
17) TM	Naphthalene	10.246	10.246	2696	5496	NoCal	0.539 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

8/16/10

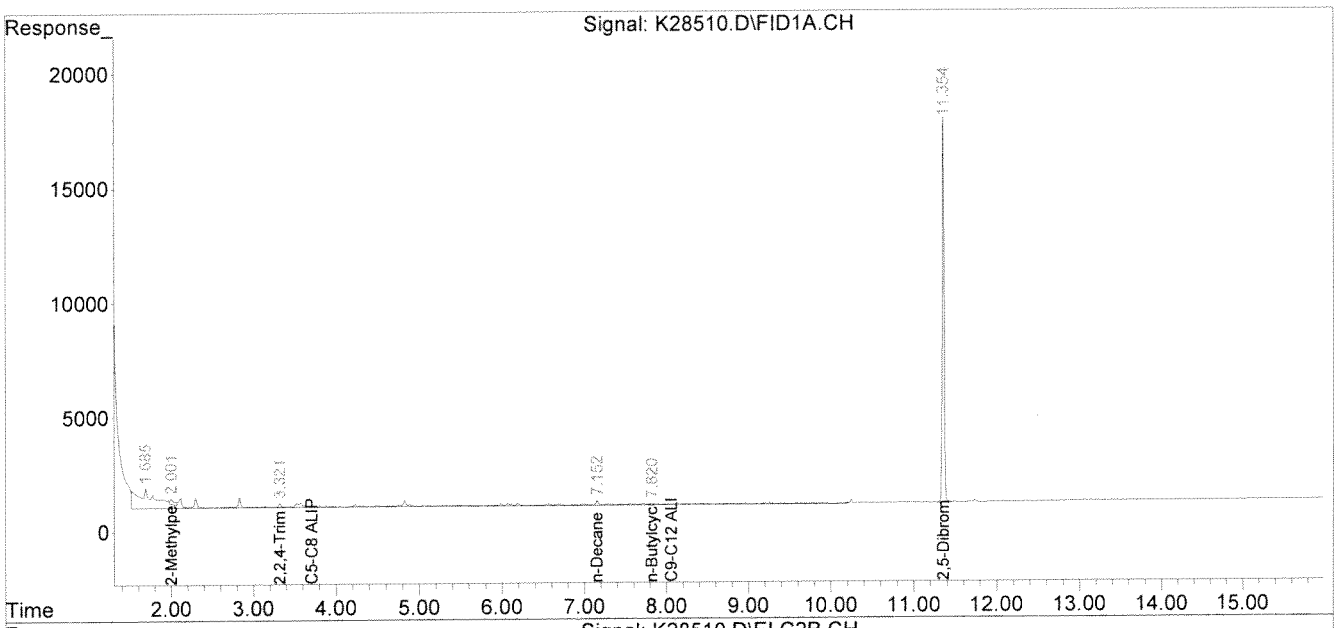
Quantitation Report (QT Reviewed)

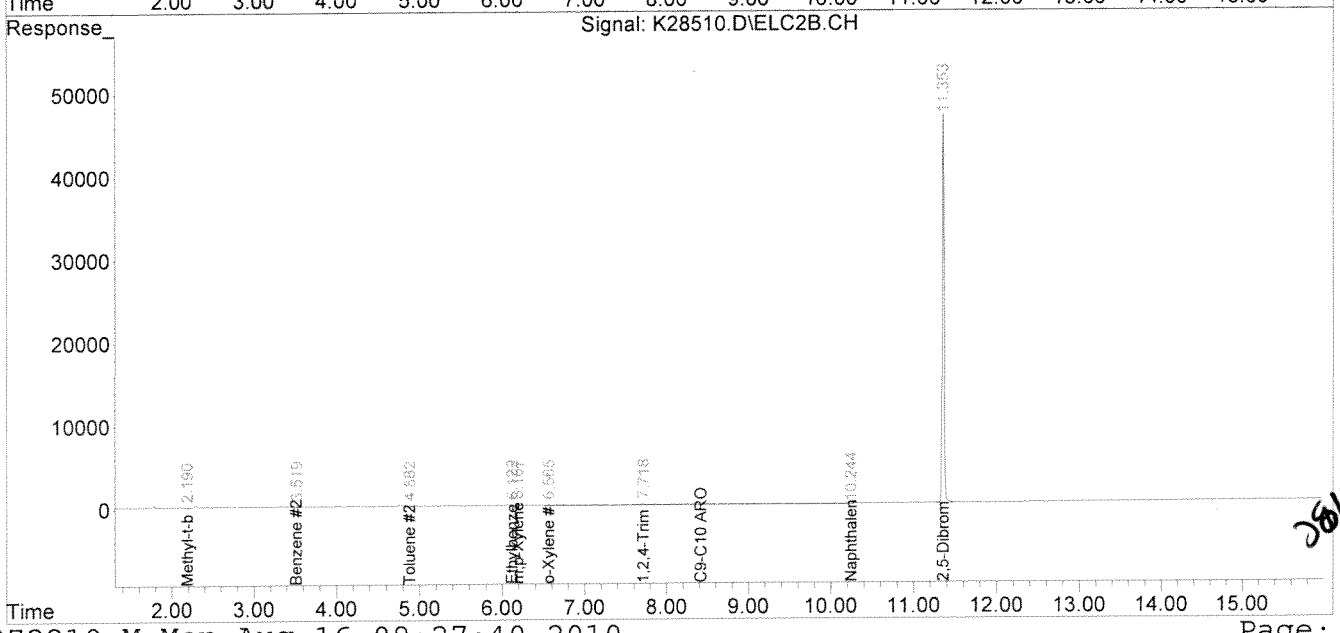
Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28510.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 2:31 pm
Operator : MT
Sample : 67494-5
Misc : 100,8.57,SOIL
ALS Vial : 7 Sample Multiplier: 1

gg 8/16/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 16 09:18:39 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





2/8/10

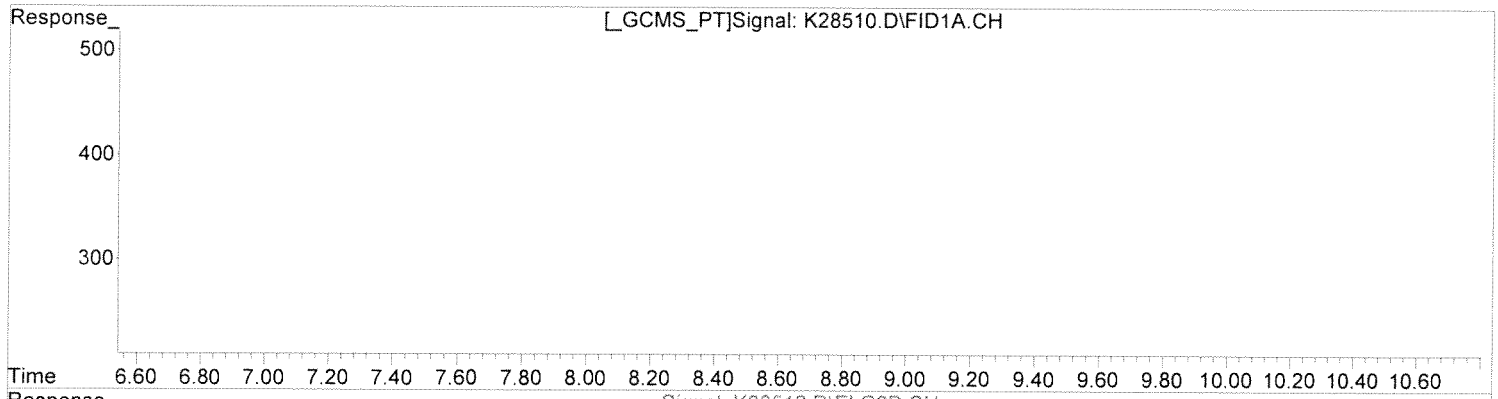
Quantitation Report (Qedit)

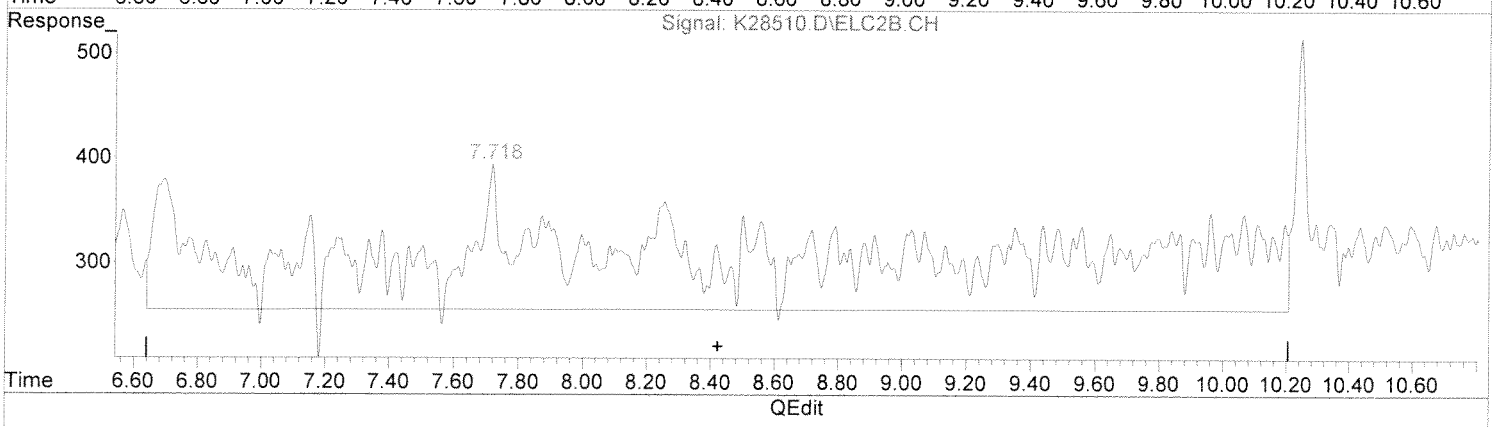
Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28510.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 2:31 pm
Operator : MT
Sample : 67494-5
Misc : 100,8.57,SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 16 09:18:39 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/16/10
Baseline
* no Before

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 20

(16) C9-C10 AROMATICS #2 (XH)
8.424min 9.743ug/L m
response 114926

✓ 8-16-10

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Client Sample ID: FDS-5

SAMPLE DATA

Lab Sample ID: 67494-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 63
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Analysis Date: 08/12/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3150	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3150	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	250	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3150	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3150	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	630	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				102
Surrogate % Recovery (2,5-Dibromotoluene) FID				97
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VPH SOIL REPORT

Sample Name	**67494-6**
Data File Name	K28511.D
Date Acquired	8/12/2010 14:56
Misc Info	100,9.29,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	9.29
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9187**
% Moisture (divided by 100)	0.0813
Vol. entrained water (mL)	0.7553
Total MeOH/water vol (mL)	10.7553
Dilution Factor	58.58
Moisture Corrected Dilution Factor	63.01

SS 8/16/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3150	
Unadjusted C9-C12 Aliphatics	U		3150	
Benzene	U		126	
Ethylbenzene	U		126	
Methyl-t-butylether	U		126	
Naphthalene	U		126	ND
Toluene	U		126	
m,p-Xylenes	U		252	
o-Xylene	U		126	
C5-C8 Aliphatic Hydrocarbons	U		3150	
C9-C12 Aliphatic Hydrocarbons	U		3150	
C9-C10 Aromatic Hydrocarbons	U		630	
PID Surrogate % Recovery	102%		70-130%	PASS
FID Surrogate % Recovery	97%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	34.79	0.00	254790						0
C9-C12 ALIPHATICS	12.79	0.00	91199						0
2,5-Dibromotoluene	89.87		264324						
PID RESULTS									
Methyl-t-butylether #2	0.52	0.00	2409	2.159	2.183	0.0477	OK	0.00	0
Benzene #2	0.40	0.00	5226	3.524	3.512	0.0380	OK	0.00	0
Toluene #2	0.31	0.00	3683	4.876	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.14	0.00	1516	6.127	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.45	0.00	5660	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.32	0.00	3598	6.558	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.53	0.00	5405	10.247	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	6.92	0.00	81625						0
2,5-Dibromotoluene #2	94.55		746248						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

581610

8/16/2010 9:31 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28511.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 2:56 pm
Operator : MT
Sample : 67494-6
Misc : 100,9.29,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 16 09:30:55 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/16/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18)	S 2,5-Dibro...	11.355	11.354	264324	746248	89.865	94.546
	Spiked Amount	100.000	Range	70 - 130	Recovery	= 89.86%	94.55%
	Target Compounds						
2)	Z 2-Methylp...	2.001	2.013	9358	1767	1.143	NoCal #
3)	TM Methyl-t-...	2.224	2.159	532	2409	NoCal	0.517 #
4)	Z 2,2,4-Tri...	3.320	3.258	3142	2309	0.407	NoCal #
5)	TM Benzene	3.521	3.524	3165	5226	NoCal	0.402 #
6)	TM Toluene	4.882	4.876	1303	3683	NoCal	0.309 #
7)	XH C5-C8 ALI...	3.717	0.000	254790	0	34.785	N.D. #
9)	TM Ethylbenzene	6.111	6.127	1599	1516	NoCal	0.139 #
10)	TM m,p-Xylene	6.191	6.187	2731	5660	NoCal	0.451 #
11)	TM o-Xylene	6.562	6.558	3404	3598	NoCal	0.322 #
12)	Z n-Decane	7.151	7.165	3493	4383	0.507	NoCal #
13)	Z n-Butylcy...	7.821	7.816	1820	1599	0.247	NoCal #
14)	XH C9-C12 AL...	8.070	0.000	91199	0	12.793	N.D. #
15)	ZM 1,2,4-Tri...	7.713	7.716	2671	5532	NoCal	0.469 #
16)	XH C9-C10 AR...	10.410	8.424	19	81625	NoCal	6.920 #
17)	TM Naphthalene	10.245	10.247	2198	5405	NoCal	0.530 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

8/16/10

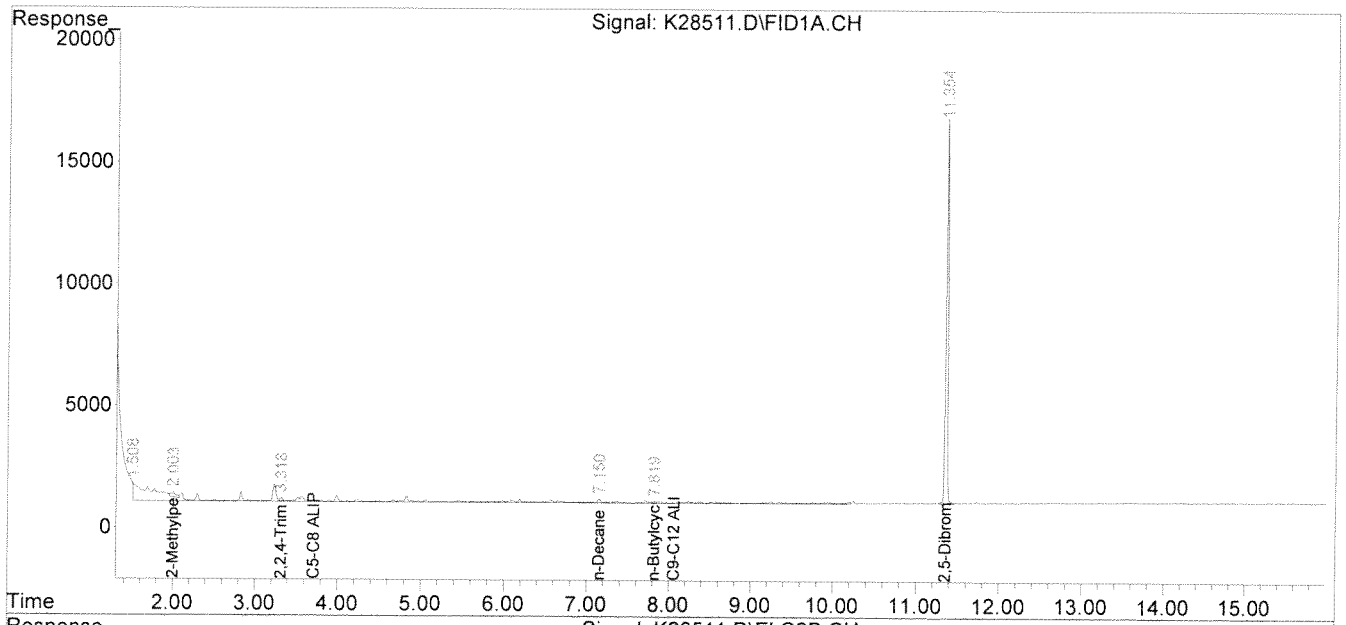
Quantitation Report (QT Reviewed)

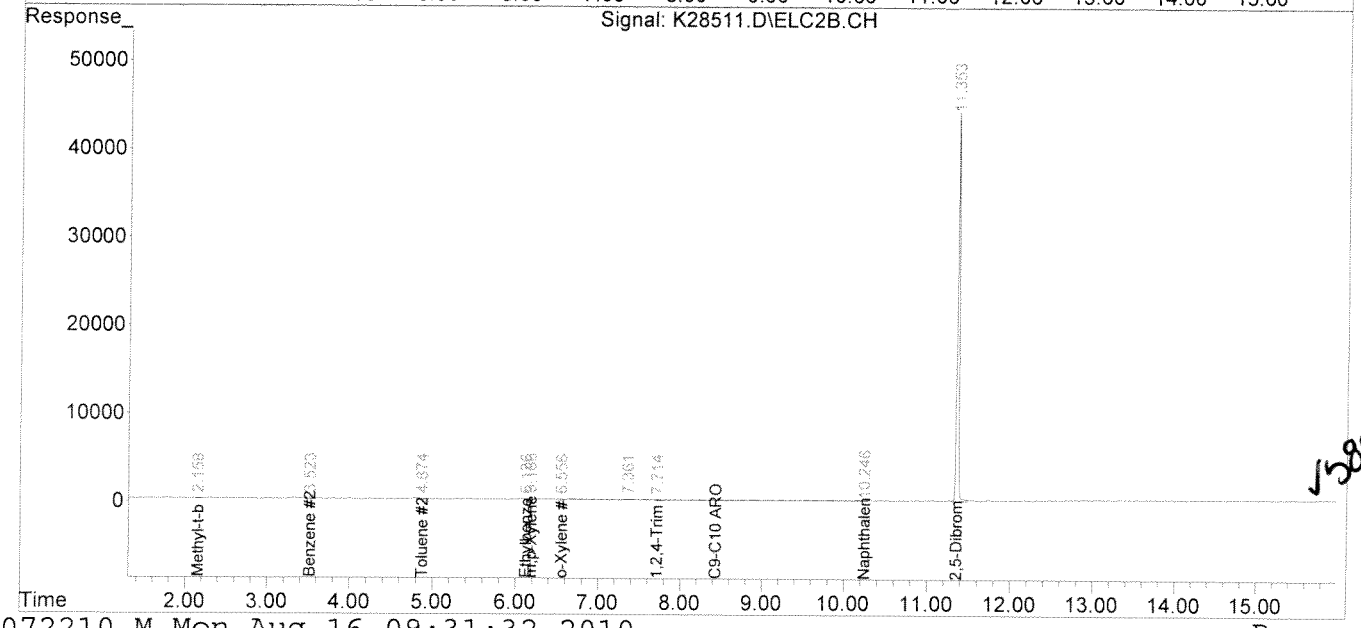
Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28511.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 2:56 pm
Operator : MT
Sample : 67494-6
Misc : 100,9.29,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 16 09:30:55 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

ss 8/16/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





V 8/16/10

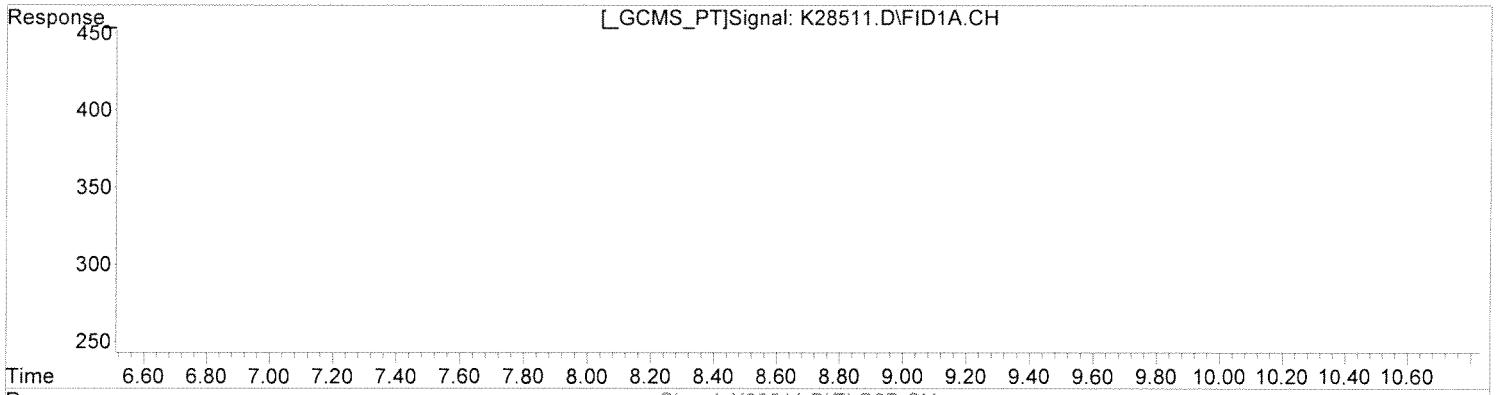
Quantitation Report (Qedit)

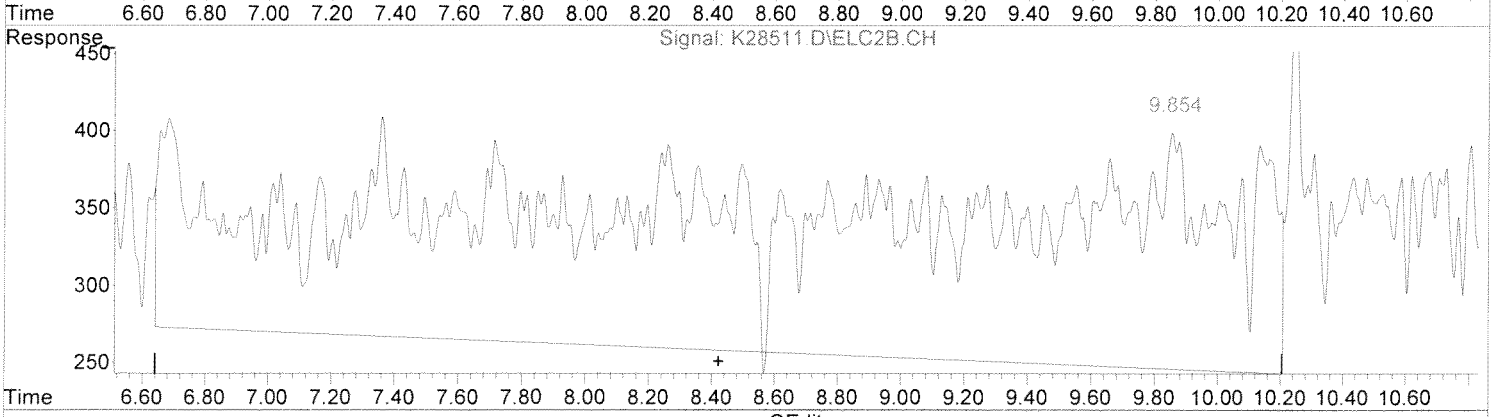
Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28511.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 2:56 pm
Operator : MT
Sample : 67494-6
Misc : 100,9.29,SOIL
ALS Vial : 8 Sample Multiplier: 1

gg 8/16/10
Baseline

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 15:28:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 19

(16) C9-C10 AROMATICS #2 (XH)
8.424min 16.102ug/L m
response 189943

JB 16/10

(+) = Expected Retention Time

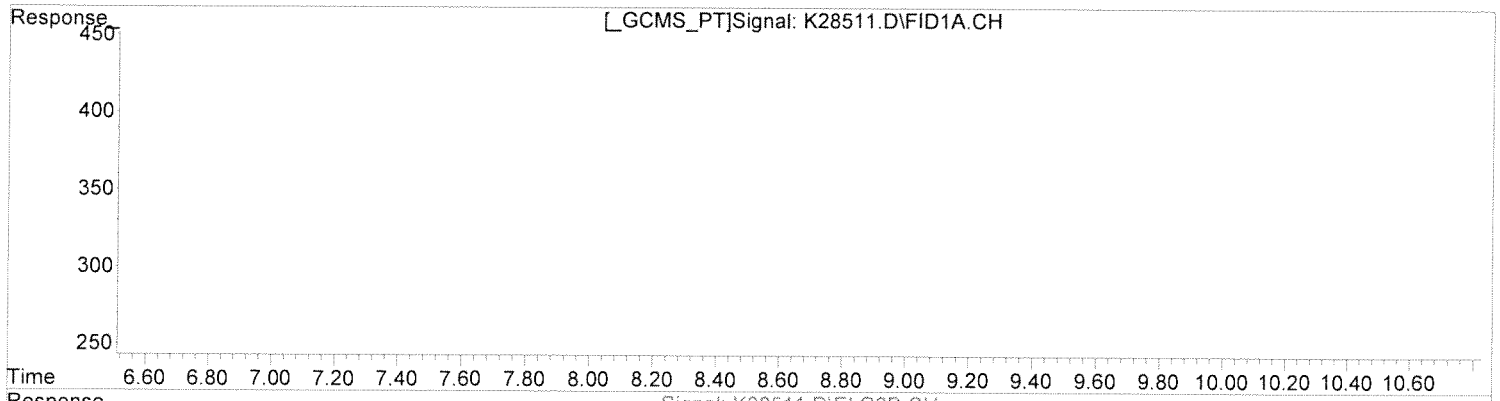
Quantitation Report (Qedit)

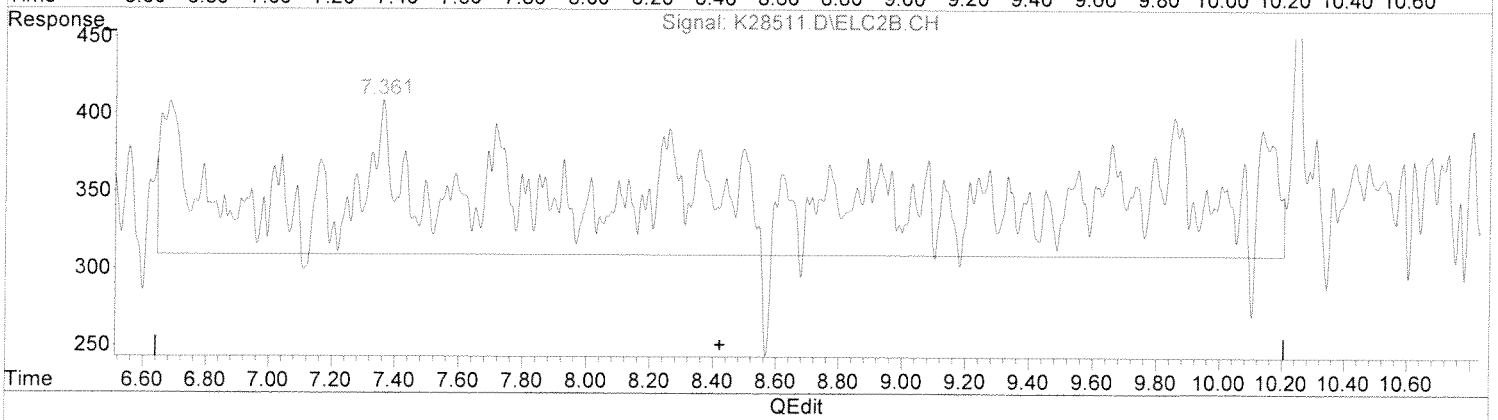
Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28511.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 2:56 pm
Operator : MT
Sample : 67494-6
Misc : 100,9.29,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 15:28:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 8/16/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 19

(16) C9-C10 AROMATICS #2 (XH)
8.424min 6.920ug/L m
response 81625

✓8/16/10

(+) = Expected Retention Time

VPH
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:VPHQC.doc

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67494

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV08120K	102		109	
LSV08120K2	104		109	
MBV08120K	93		98	
67494-5	103		109	
67494-6	97		102	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV08120K
Spike: LSV08120K
Spike duplicate: LSV08120K2

8/16/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	5649	113		5581	112		1	
2-Methylpentane	5000	5000	70	130	25	0	5568	111		5478	110		2	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	5332	107		5025	101		6	
n-Decane	5000	5000	70	130	25	0	5973	119		5833	117		2	
n-Butylcyclohexane	5000	5000	70	130	25	0	5799	116		5644	113		3	
Methyl-t-butylether #2	5000	5000	70	130	25	0	4796	96		4922	98		3	
Benzene #2	5000	5000	70	130	25	0	5283	106		5323	106		1	
Toluene #2	5000	5000	70	130	25	0	5302	106		5336	107		1	
Ethylbenzene #2	5000	5000	70	130	25	0	5227	105		5241	105		0	
m,p-Xylene #2	10000	10000	70	130	25	0	10699	107		10771	108		1	
o-Xylene #2	5000	5000	70	130	25	0	5085	102		5120	102		1	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	5233	105		5253	105		0	
Naphthalene #2	5000	5000	70	130	25	0	5082	102		5184	104		2	
C5-C8 Aliphatics	15000	15000	70	130	25	0	16549	110		16085	107		3	
C9-C12 Aliphatics	10000	10000	70	130	25	0	11773	118		11478	115		3	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	5233	105		5253	105		0	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

MT 8/16/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28506Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 11:57 am
Operator : MT
Sample : LSV08120K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
~~Integration File signal 2: autoint2.e~~ 8/16/10
Quant Time: Aug 12 13:17:02 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MT 8/16/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	298974	861979	101.646	109.209	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	101.65%	109.21%
		Target Compounds							
1)	Z	Pentane	1.562	1.563	790534	14325	112.975	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	911411	40530	111.355	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	437260	447337	NoCal	95.923	#
4)	Z	2,2,4-Tri...	3.281	3.281	822985	175396	106.647	NoCal	#
5)	TM	Benzene	3.510	3.509	1167777	1374808	NoCal	105.655	#
6)	TM	Toluene	4.881	4.881	1150080	1264614	NoCal	106.042	#
7)	XH	C5-C8 ALI...	3.717	0.000	5549520	0	757.650	N.D.	#
9)	TM	Ethylbenzene	6.122	6.122	1150959	1142212	NoCal	104.538	#
10)	TM	m,p-Xylene	6.189	6.189	2337334	2684588	NoCal	213.978	#
11)	TM	o-Xylene	6.559	6.558	1163674	1137644	NoCal	101.701	#
12)	Z	n-Decane	7.153	7.152	823911	123092	119.466	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	853812	497693	115.986	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	8366260	0	1173.554	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.716	1184372	1234577	NoCal	104.661	#
16)	XH	C9-C10 AR...	10.410	8.424	117	1998015	NoCal	169.381	#
17)	TM	Naphthalene	10.245	10.245	744647	1036042	NoCal	101.649	#

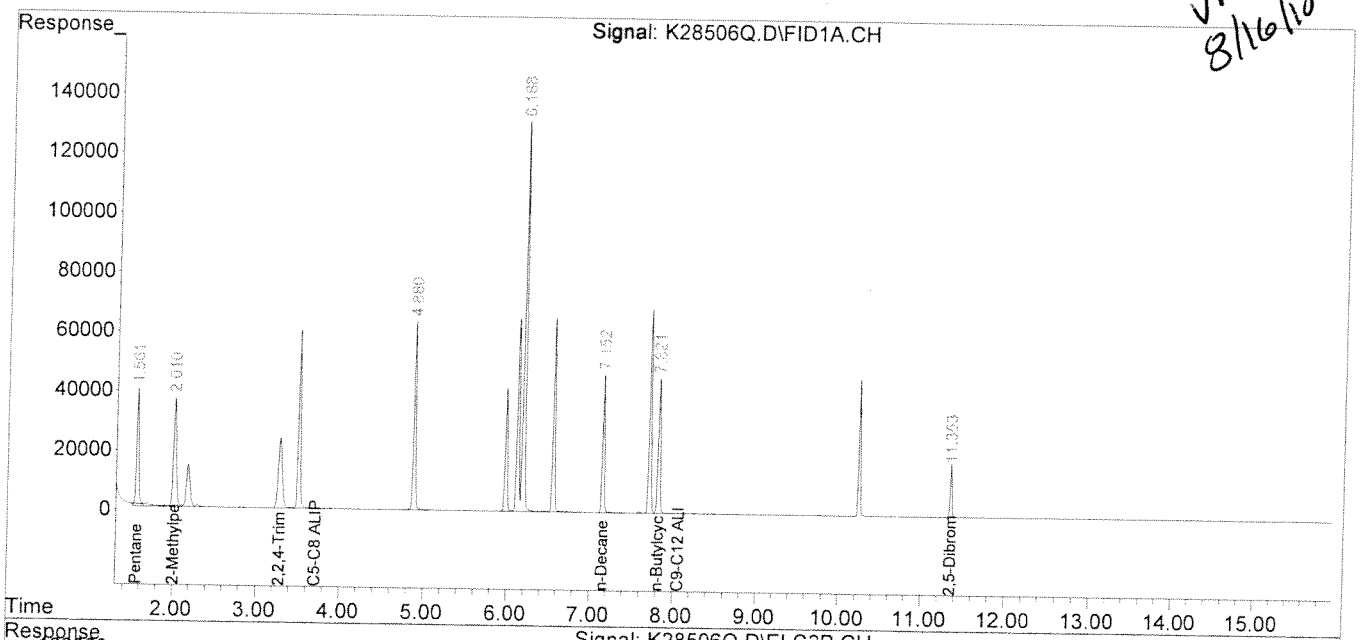
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

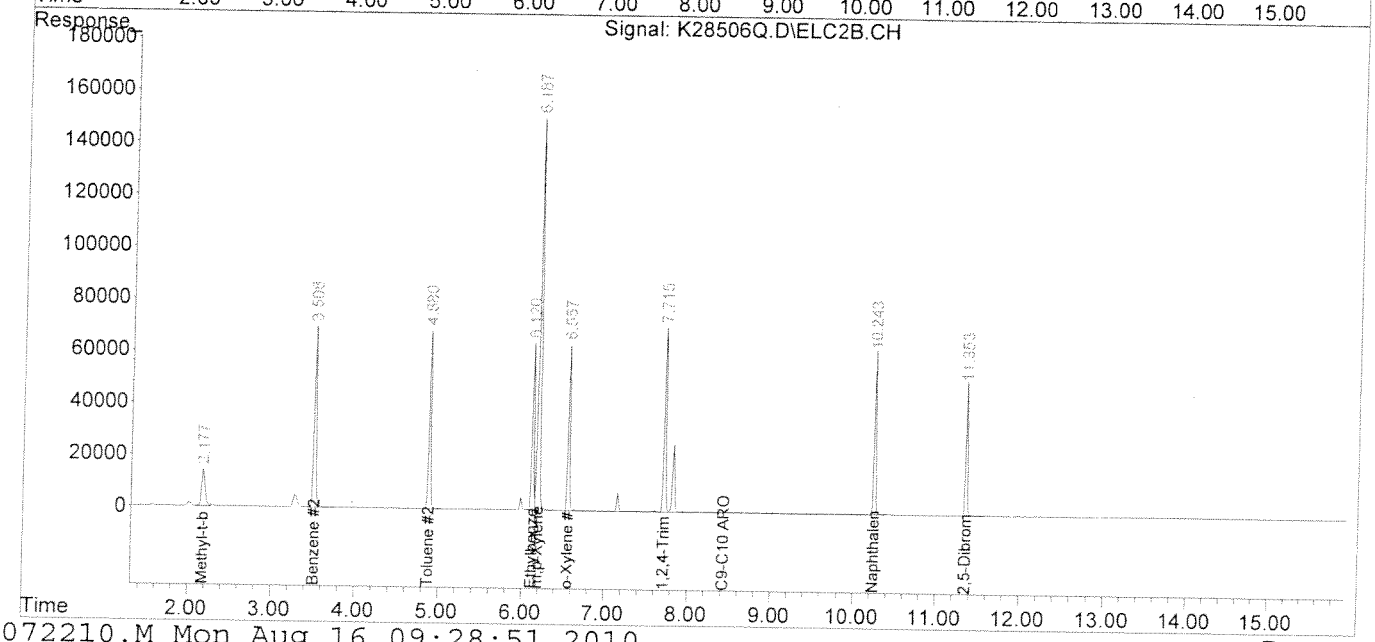
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28506Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 11:57 am
Operator : MT
Sample : LSV08120K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 13:17:02 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28507Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 12:22 pm
Operator : MT
Sample : LSV08120K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

88 8/16/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 13:17:05 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

VMT 8/16/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.353	307001	863237	104.375	109.368	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	104.38%	109.37%
	Target Compounds							
1) Z	Pentane	1.564	1.564	781018	12510	111.615	NoCal	#
2) Z	2-Methylp...	2.011	2.011	896772	37496	109.566	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	443236	459110	NoCal	98.447	#
4) Z	2,2,4-Tri...	3.281	3.281	775620	165662	100.509	NoCal	#
5) TM	Benzene	3.510	3.509	1180207	1385250	NoCal	106.457	#
6) TM	Toluene	4.882	4.881	1160148	1272719	NoCal	106.722	#
7) XH	C5-C8 ALI...	3.717	0.000	5468170	0	746.544	N.D.	#
9) TM	Ethylbenzene	6.122	6.122	1161438	1145320	NoCal	104.822	#
10) TM	m,p-Xylene	6.189	6.188	2355289	2702637	NoCal	215.416	#
11) TM	o-Xylene	6.559	6.558	1182285	1145535	NoCal	102.407	#
12) Z	n-Decane	7.152	7.152	804609	125050	116.667	NoCal	#
13) Z	n-Butylcy...	7.822	7.821	830998	486689	112.887	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	8344710	0	1170.531	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	1191831	1239279	NoCal	105.059	#
16) XH	C9-C10 AR...	10.410	8.424	142	1991852	NoCal	168.858	#
17) TM	Naphthalene	10.245	10.244	763280	1056728	NoCal	103.678	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

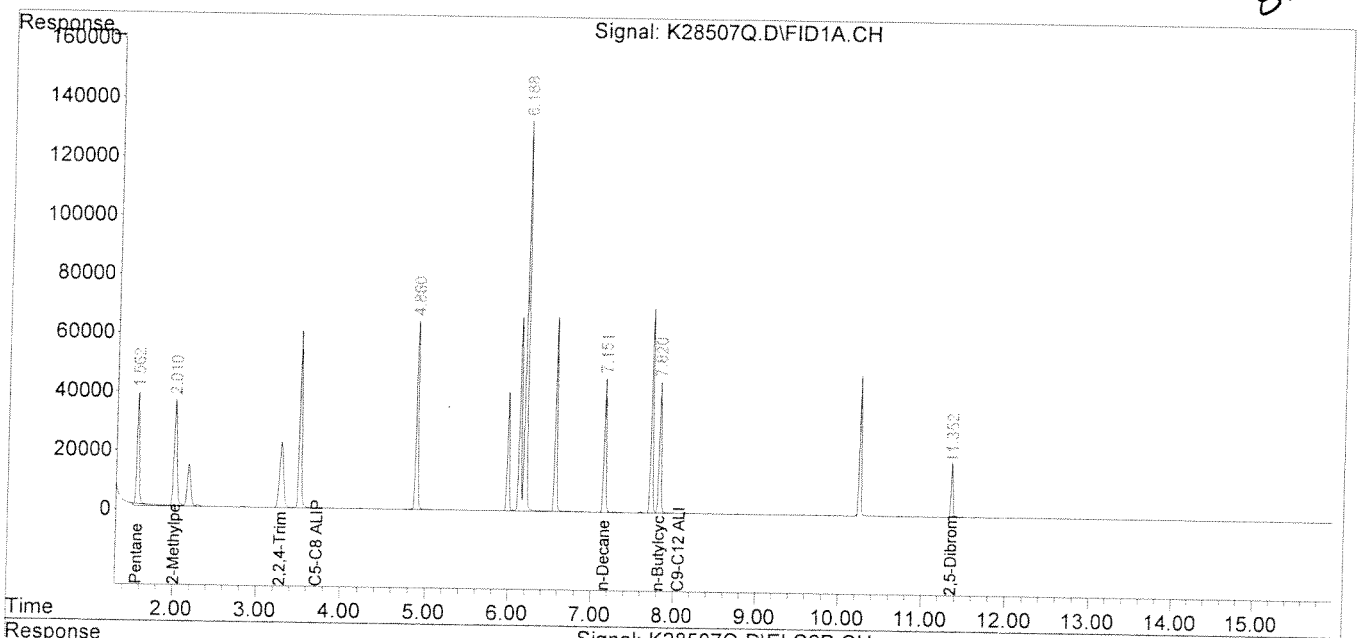
Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28507Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 12:22 pm
Operator : MT
Sample : LSV08120K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

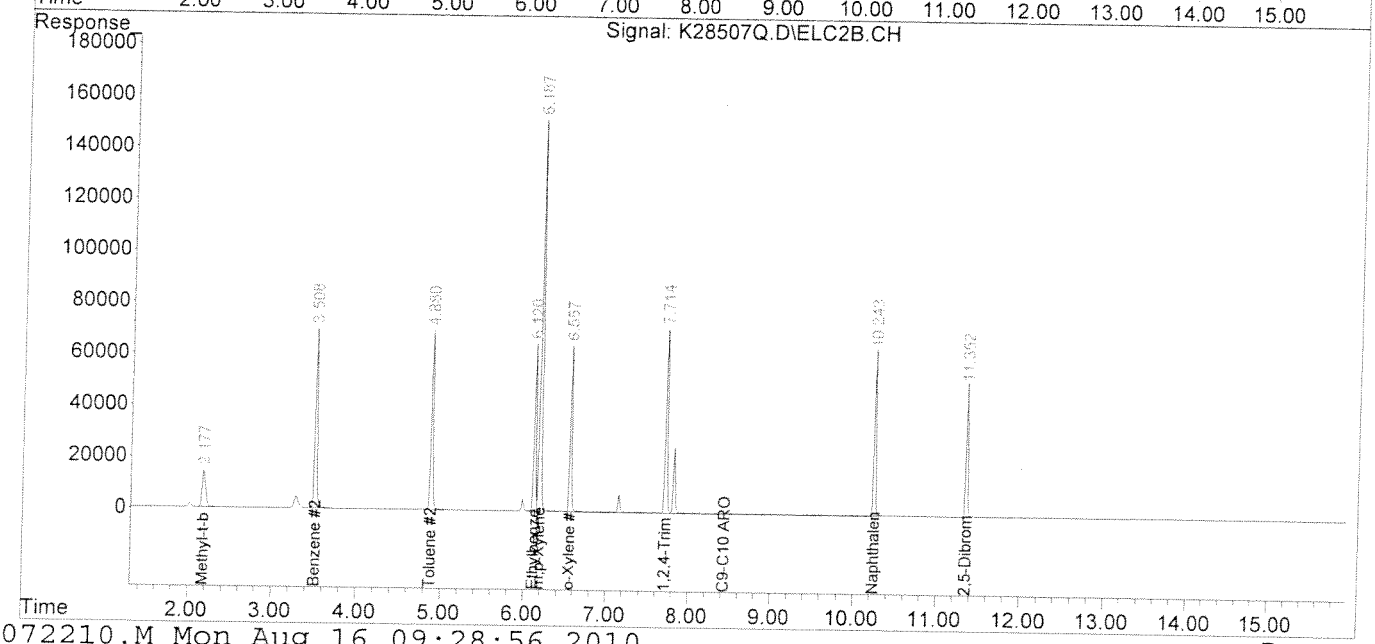
SS 8/16/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 13:17:05 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 8/16/10





analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: 08

Unload: 08

072210-K

VPH Surrogate: -

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	~~07~~ VPH072210.M	BLK	5ml	–	–		K27978	JJL	n/a
2		VPH 100		200ml	V8896	✓, changed trap + baked	79SC		
3		BLK		–	–		80		
4		VPH 100		200ml	V8896	✓	81SC		
5		LSV072210K	100ml/5ml	5ml	V8899	↑ Pentane, changed sparge tube	82Q		
6		BLK	5ml	–	–		83		
7		LSV072210K.RR	100ml/5ml	5ml	V8899	↑ Pentane, Recal	84Q		
8		BLK	5ml	–	–	co concern	85		
9		VPH 1		2ml	V8910	✓	86SI		
10		VPH 2		4ml		✓	87SI		
11		VPH 5		10ml		✓	88SI		
12		VPH 20		40ml		✓	89SI		
13		VPH 50		100ml		✓	90SI		
14		VPH 100		200ml		✓	91SI		
15		VPH 200		400ml		✓	92SI		
16		BLK		–	–	co concern	93		
17		VPH 500		1ml	V8910	✓	94SI		
18		BLK		–	–	co concern	95		
19		LV072210K.ICV		100ml	V8898	✓	96Q		
20		VPH 100		200ml	V8910	✓ Test theory on mstr.	97		

08 7/23/10

analytics environmental laboratory LLC

081210-K

GC Volatiles Instrument: K

Load: MT

Unload: gg

w-K-081210-1-MT

VPH Surrogate: (1) V8932 x 1/29/11

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	VPH072210.M	BLK	5mL	—	—		K28504	MT	n/A
2	↓	VPH 100ug/L	↓	200uL	V8933 ✓		05SC	↓	↓
3		LSV08120K	100uL/5mL	5uL	V8899 ✓		06Q		
4		LSV08120K2	↓	↓	↓ ✓		07Q		
5		BLK	5mL	—	—		08		
6		MBV08120K	100uL/5mL	10uL	V8932 ✓		09B		
7		67494-5	↓	↓	(1) ✓	8.57	10		
8		↓ -6	↓	↓	↓ ✓	9.29	11		
9	↓	VPH 100ug/L	5mL	200uL	V8933 ✓		12SC	↓	↓

gg 8/16/10

Method Path : C:\msdchem\1\METHODS\
Method File : VPH072210.M
Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
Last Update : Fri Jul 23 15:04:23 2010
Response Via : Initial Calibration

Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

SB 7/26/10

		Compound	2	5	20	50	0.5	100	Avg		%RSD
1)	ZM	Pentane	6.623	6.311	7.147	7.202		7.570	6.997	E3	6.67
2)	ZM	2-Methylpentane	8.536	7.466	8.207	8.247		8.690	8.185	E3	5.68
3)	T	Methyl-t-buty...							0.000		-1.00
4)	ZM	2,2,4-Trimeth...	8.216	7.647	8.896	8.375		7.993	7.717	E3	12.43
5)	T	Benzene							0.000		-1.00
6)	T	Toluene							0.000		-1.00
7)	XH	C5-C8 ALIPHATICS	7.792	7.141	8.083	7.941		8.084	7.325	E3	12.19
8)		n-Nonane							0.000		-1.00
9)	T	Ethylbenzene							0.000		-1.00
10)	T	m,p-Xylene							0.000		-1.00
11)	T	o-Xylene							0.000		-1.00
12)	ZM	n-Decane	6.039	4.950	5.191	5.579		7.997	6.897	E3	23.76
13)	ZM	n-Butylcycloh...	6.357	6.435	6.593	6.777		8.029	7.361	E3	16.80
14)	XH	C9-C12 ALIPHA...	6.198	5.693	5.892	6.178		8.013	7.129	E3	19.33
15)	Z	1,2,4-Trimeth...							0.000		-1.00
16)	XH	C9-C10 AROMATICS							0.000		-1.00
17)	T	Naphthalene							0.000		-1.00
18)	S	2,5-Dibromoto...	3.791	2.742	2.584	2.712		2.859	2.941	E3	13.62

Signal #2 Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

MAT 7/26/10

		Compound	2	5	20	50	0.5	100	Avg		%RSD
1)	Z	Pentane							0.000		-1.00
2)	Z	2-Methylpentane							0.000		-1.00
3)	TM	Methyl-t-buty...	5.373	4.158	4.484	4.526		4.479	4.664	E3	12.22
4)	Z	2,2,4-Trimeth...							0.000		-1.00
5)	TM	Benzene	1.280	1.265	1.309	1.312		1.321	1.301	E4	1.56
6)	TM	Toluene	1.248	1.135	1.190	1.197		1.223	1.193	E4	3.83
7)	XH	C5-C8 ALIPHATICS							0.000		-1.00
8)		n-Nonane							0.000		-1.00
9)	TM	Ethylbenzene	1.177	0.993	1.048	1.061		1.087	1.093	E4	6.11
10)	TM	m,p-Xylene	1.224	1.143	1.234	1.248		1.283	1.255	E4	5.18
11)	TM	o-Xylene	1.143	0.990	1.048	1.062		1.083	1.119	E4	12.52
12)	Z	n-Decane							0.000		-1.00
13)	Z	n-Butylcycloh...							0.000		-1.00
14)	XH	C9-C12 ALIPHA...							0.000		-1.00
15)	ZM	1,2,4-Trimeth...	1.101	0.986	1.065	1.097		1.136	1.180	E4	20.03
16)	XH	C9-C10 AROMATICS	1.101	0.986	1.065	1.097		1.136	1.180	E4	20.03
17)	TM	Naphthalene	1.007	0.881	0.939	0.971		0.997	1.019	E4	14.63
18)	S	2,5-Dibromoto...	8.562	6.808	7.149	7.585		8.153	7.893	E3	9.31

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27986SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:32 pm
Operator : JJL
Sample : VPH 1 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

JMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.356	11.355	4554	12231	1.904	1.793	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	1.90%#	1.79%#
		Target Compounds							
1)	Z	Pentane	1.559	1.562	4137	657	0.860	NoCal	#
2)	Z	2-Methylp...	2.008	2.005	6649	1753	0.960	NoCal	#
3)	TM	Methyl-t-...	2.181	2.179	5383	5724	NoCal	1.331	#
4)	Z	2,2,4-Tri...	3.278	3.290	6186	1603	0.933	NoCal	#
5)	TM	Benzene	3.509	3.509	10306	12912	NoCal	0.976	#
6)	TM	Toluene	4.881	4.881	11637	11146	NoCal	0.911	#
7)	XH	C5-C8 ALI...	3.717	0.000	105864	0	17.864	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	10665	11978	NoCal	1.131	#
10)	TM	m,p-Xylene	6.188	6.187	19542	27513	NoCal	2.221	#
11)	TM	o-Xylene	6.559	6.558	11046	14480	NoCal	1.353	#
12)	Z	n-Decane	7.153	7.154	7705	7492	1.316	NoCal	#
13)	Z	n-Butylcy...	7.823	7.821	6464	9529	1.010	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	146965	0	23.983	N.D.	#
15)	ZM	1,2,4-Tri...	7.715	7.715	12192	17478	NoCal	1.643	#
16)	XH	C9-C10 AR...	10.410	8.424	7	261207	NoCal	24.557	#
17)	TM	Naphthalene	10.246	10.246	7968	13733	NoCal	1.637	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

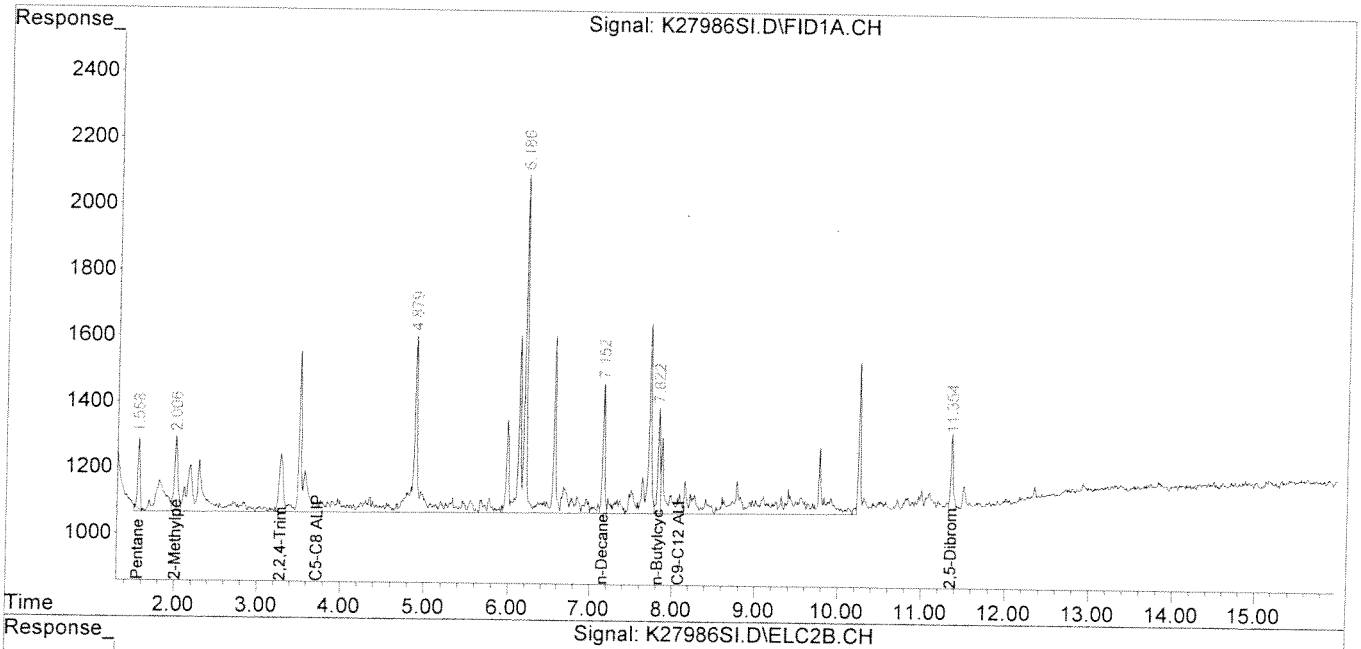
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27986SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:32 pm
Operator : JJL
Sample : VPH 1 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

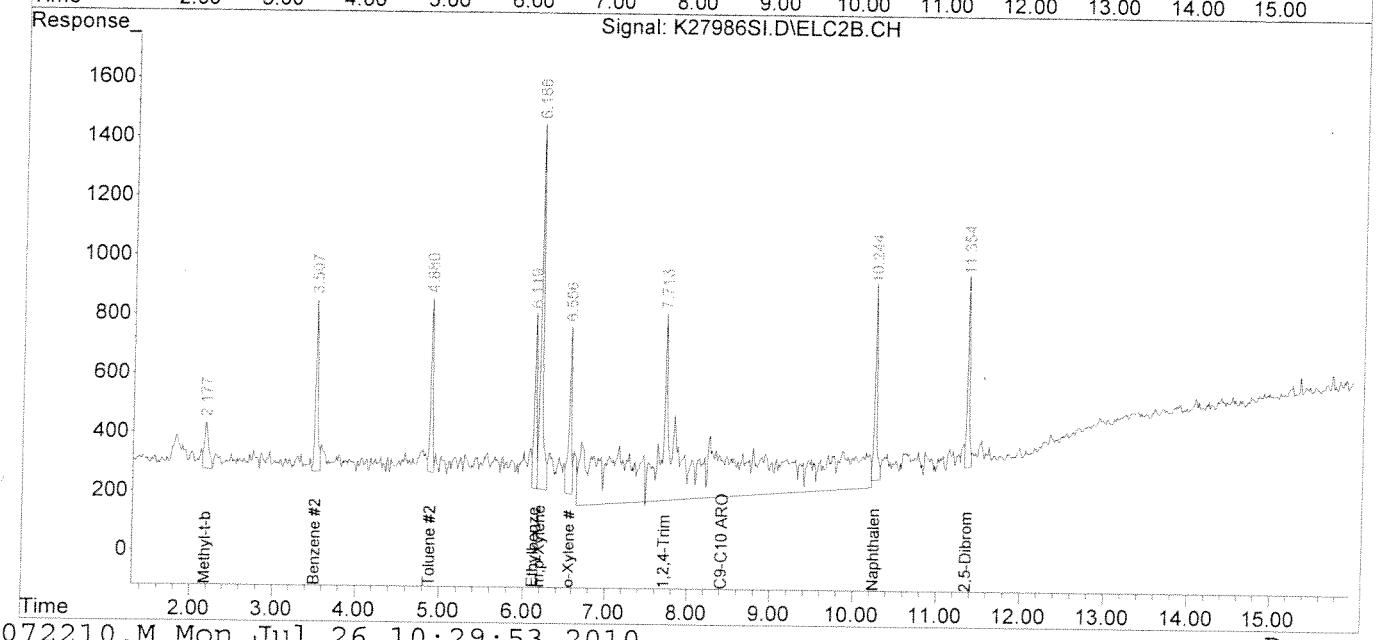
Integration File signal 1: autoint1.e
~~Integration File signal 2: autoint2.e~~
Quant Time: Jul 23 08:21:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27987SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:57 pm
Operator : JJL
Sample : VPH 2 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.355	7582	17124	3.170	2.511	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	3.17%#	2.51%#
		Target Compounds							
1)	Z	Pentane	1.559	1.576	13246	196	2.755	NoCal	#
2)	Z	2-Methylp...	2.009	1.998	17073	1007	2.465	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	9810	10745	NoCal	2.499	#
4)	Z	2,2,4-Tri...	3.278	3.279	16432	3496	2.477	NoCal	#
5)	TM	Benzene	3.510	3.509	21209	25596	NoCal	1.934	#
6)	TM	Toluene	4.881	4.881	22868	24969	NoCal	2.041	#
7)	XH	C5-C8 ALI...	3.717	0.000	155766	0	26.285	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	22182	23546	NoCal	2.223	#
10)	TM	m,p-Xylene	6.188	6.187	42752	48976	NoCal	3.953	#
11)	TM	o-Xylene	6.559	6.558	22078	22865	NoCal	2.136	#
12)	Z	n-Decane	7.152	7.154	12077	2628	2.062	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	12714	7463	1.987	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	195953	0	31.978	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	21313	22012	NoCal	2.069	#
16)	XH	C9-C10 AR...	10.410	8.424	17	86037	NoCal	8.089	#
17)	TM	Naphthalene	10.246	10.246	13937	20141	NoCal	2.402	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

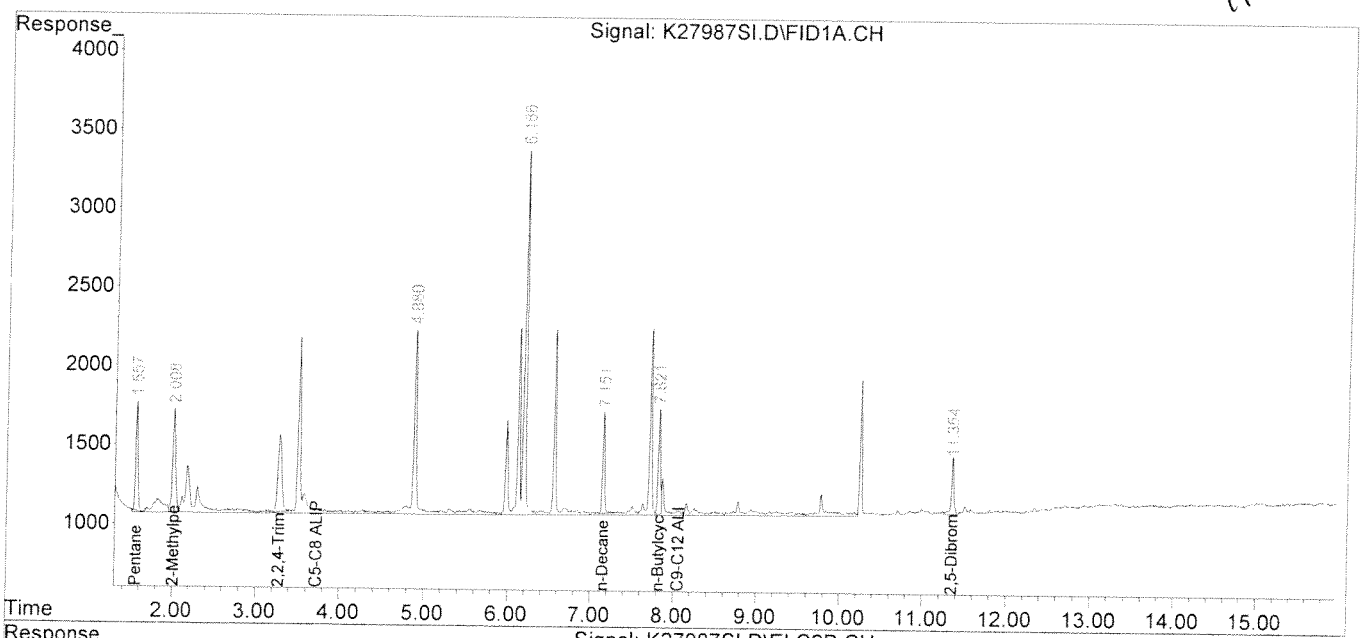
Quantitation Report (Not Reviewed)

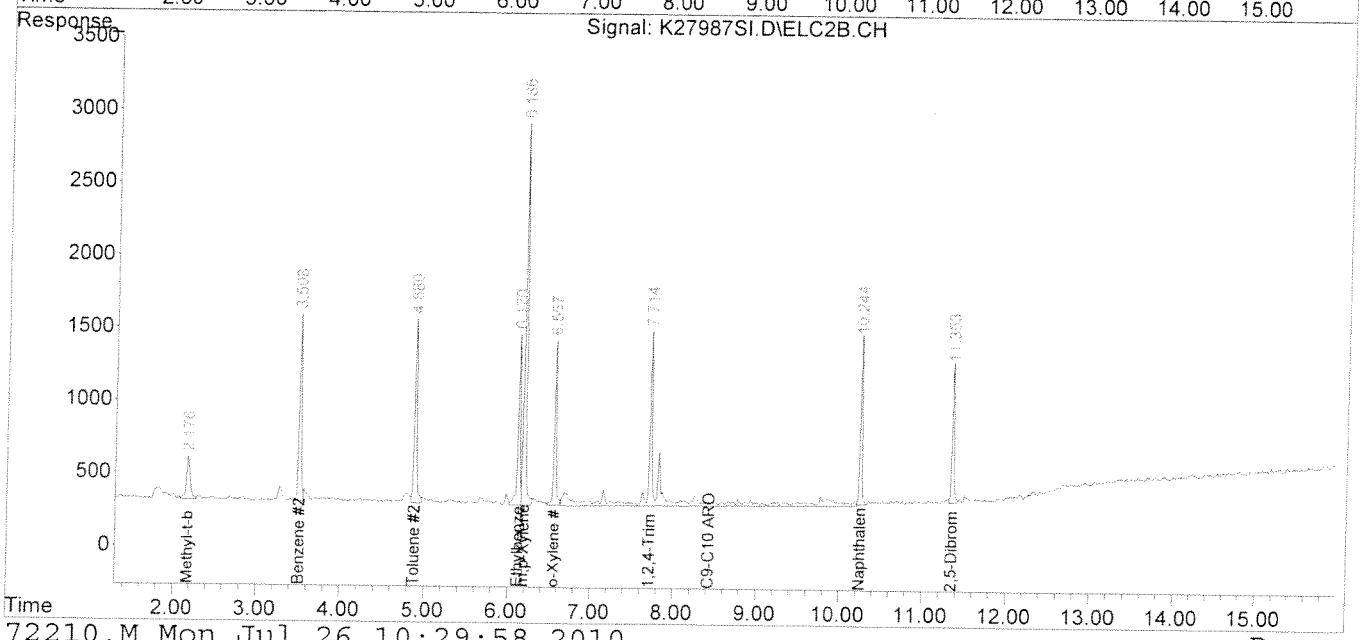
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27987SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:57 pm
perator : JJL
Sample : VPH 2 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
~~Integration File signal 2: autoint2.e~~ gg 7/26/10
Quant Time: Jul 23 08:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27988SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:21 pm
Operator : JJL
Sample : VPH 5 UG/L
Misc : 5000
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	13711	34040	5.732	4.991	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	5.73%#	4.99%#
		Target Compounds							
1)	Z	Pentane	1.559	1.560	31554	800	6.563	NoCal	#
2)	Z	2-Methylp...	2.009	2.013	37332	935	5.389	NoCal	#
3)	TM	Methyl-t-...	2.178	2.177	21475	20790	NoCal	4.835	#
4)	Z	2,2,4-Tri...	3.278	3.278	38234	8636	5.764	NoCal	#
5)	TM	Benzene	3.509	3.509	49820	63236	NoCal	4.778	#
6)	TM	Toluene	4.881	4.881	51479	56741	NoCal	4.637	#
7)	XH	C5-C8 ALI...	3.717	0.000	284049	0	47.932	N.D.	#
9)	TM	Ethylbenzene	6.122	6.122	49284	49672	NoCal	4.690	#
10)	TM	m,p-Xylene	6.188	6.187	97868	114256	NoCal	9.222	#
11)	TM	o-Xylene	6.559	6.558	49457	49516	NoCal	4.627	#
12)	Z	n-Decane	7.152	7.152	24751	4594	4.226	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	32177	18542	5.028	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	377560	0	61.614	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	47838	49294	NoCal	4.634	#
16)	XH	C9-C10 AR...	10.410	8.424	21	117184	NoCal	11.017	#
17)	TM	Naphthalene	10.246	10.245	31659	44071	NoCal	5.255	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

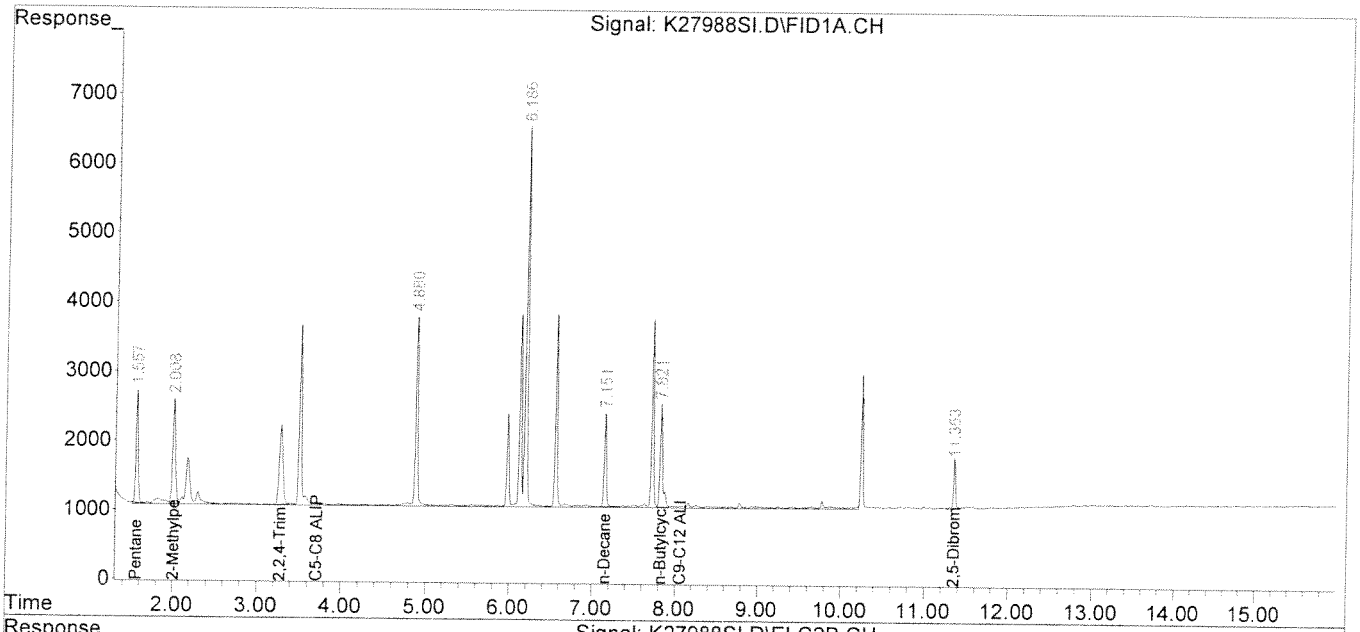
Quantitation Report (Not Reviewed)

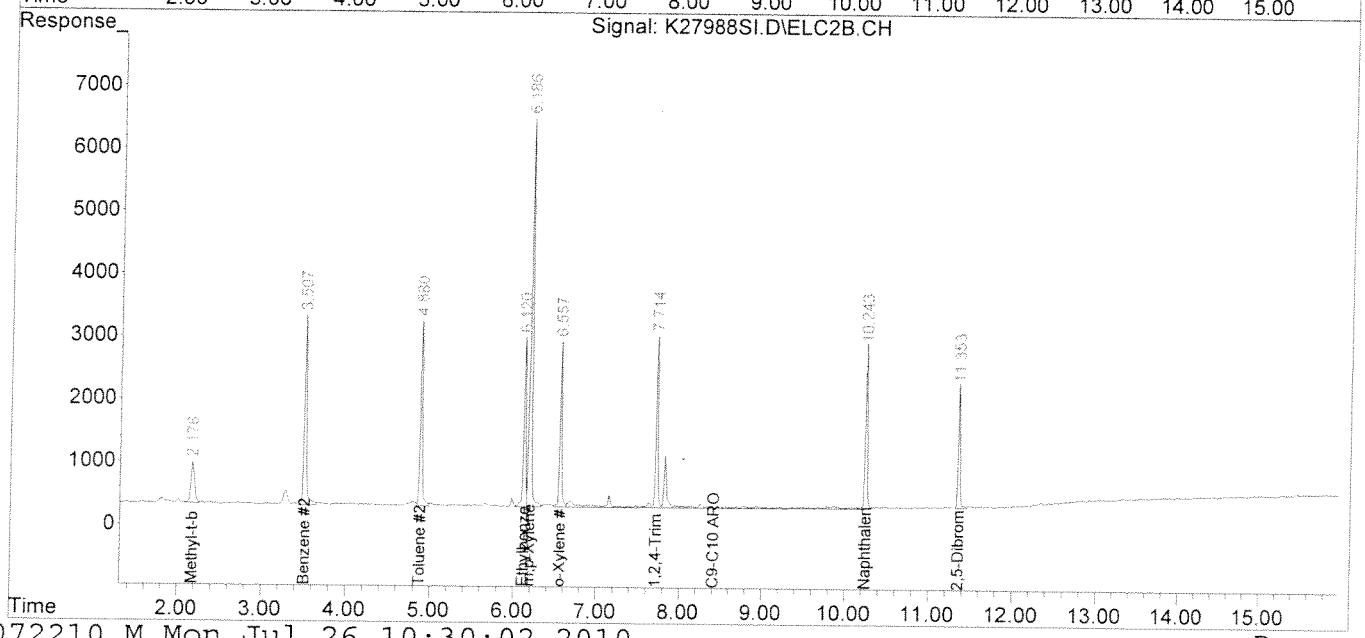
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27988SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:21 pm
Operator : JJL
Sample : VPH 5 UG/L
Misc : 5000
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
~~Integration File signal 2: autoint2.e~~ 7/26/10
Quant Time: Jul 23 08:21:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27989SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:46 pm
Operator : JJL
Sample : VPH 20 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
~~Integration File signal 2: autoint2.e~~ gs 7/26/10
Quant Time: Jul 23 08:21:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
System Monitoring Compounds									
18)	S	2,5-Dibro...	11.354	11.354	51672	142985	21.603	20.965	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	21.60%#	20.97%#
Target Compounds									
1)	Z	Pentane	1.558	1.560	142930	1914	29.727	NoCal	#
2)	Z	2-Methylp...	2.009	2.009	164135	6953	23.695	NoCal	#
3)	TM	Methyl-t-...	2.177	2.177	86452	89681	NoCal	20.858	#
4)	Z	2,2,4-Tri...	3.279	3.279	177924	37078	26.823	NoCal	#
5)	TM	Benzene	3.509	3.508	224880	261797	NoCal	19.781	#
6)	TM	Toluene	4.881	4.881	219703	238095	NoCal	19.458	#
7)	XH	C5-C8 ALI...	3.717	0.000	1082237	0	182.622	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	214077	209568	NoCal	19.787	#
10)	TM	m,p-Xylene	6.188	6.187	432228	493591	NoCal	39.840	#
11)	TM	o-Xylene	6.559	6.558	216641	209641	NoCal	19.588	#
12)	Z	n-Decane	7.152	7.152	103821	15722	17.728	NoCal	#
13)	Z	n-Butylcy...	7.822	7.821	131857	75965	20.605	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	1472392	0	240.281	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.715	208184	213051	NoCal	20.030	#
16)	XH	C9-C10 AR...	10.410	8.424	15	359365	NoCal	33.786	#
17)	TM	Naphthalene	10.245	10.245	135712	187732	NoCal	22.384	#

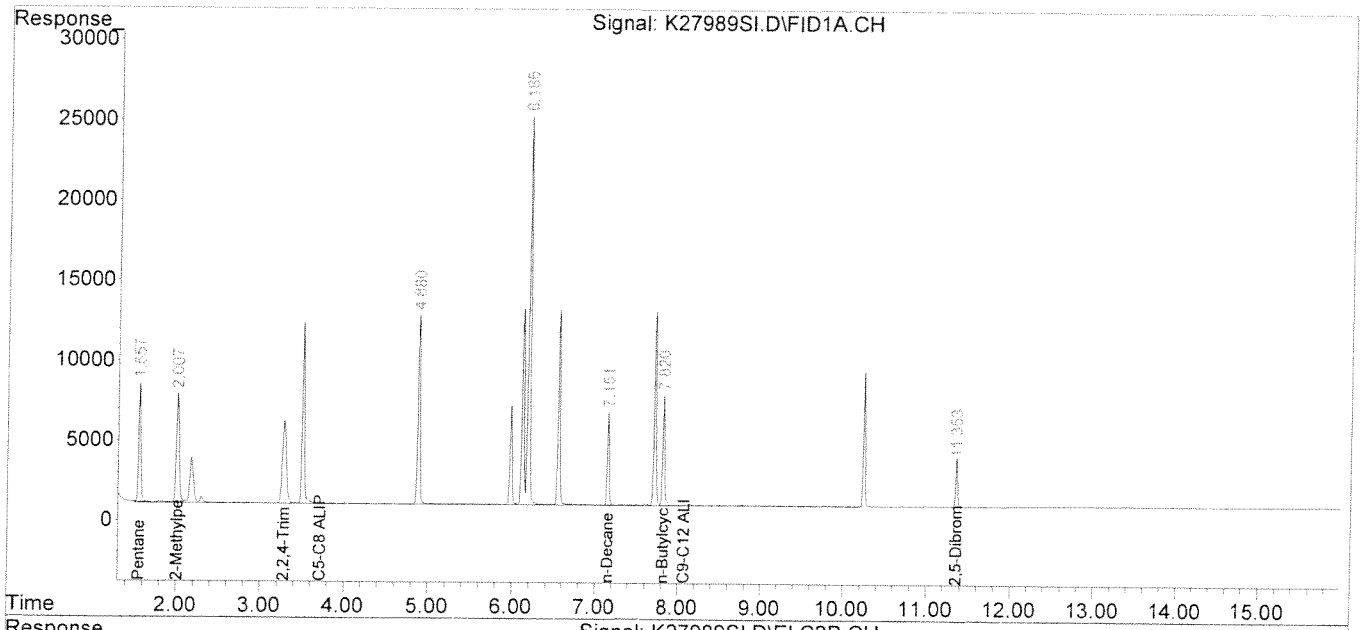
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

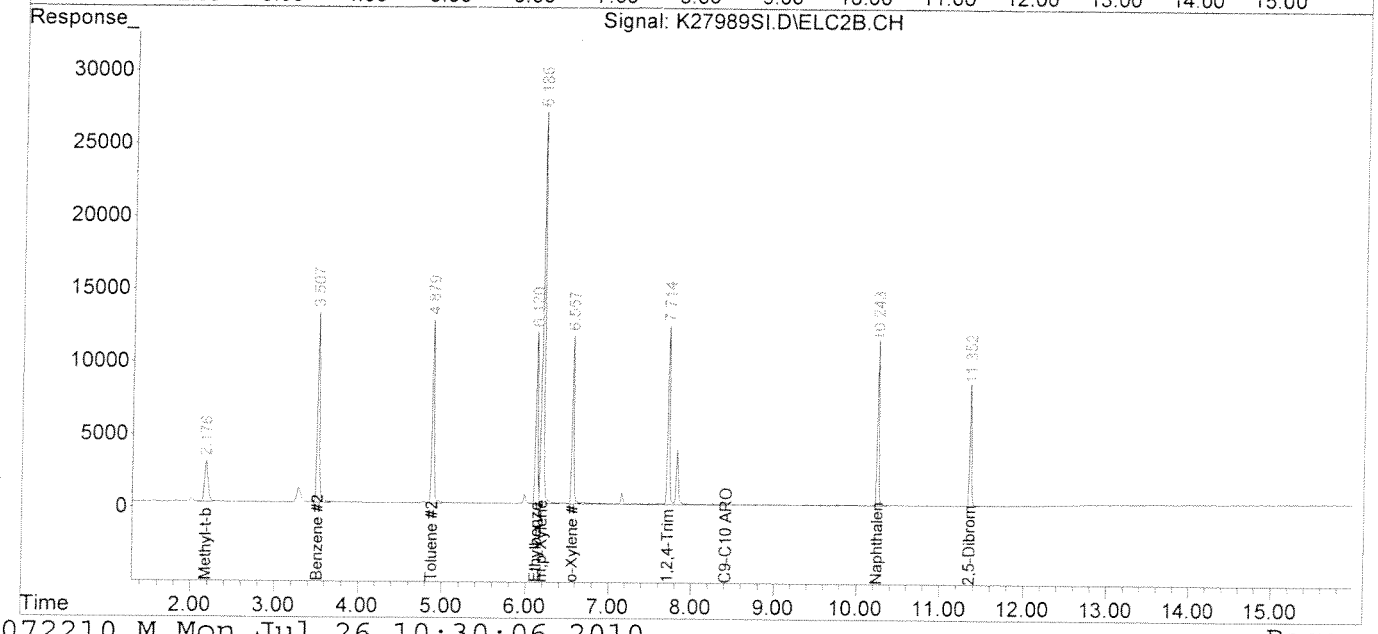
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27989SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:46 pm
perator : JJL
Sample : VPH 20 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
~~Integration File signal 2: autoint2.e~~ 88 7/26/10
Quant Time: Jul 23 08:21:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

JMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27990SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:11 pm
Operator : JJL
Sample : VPH 50 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.355	11.354	135586	379266	56.686	55.609	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	56.69%#	55.61%#
	Target Compounds							
1) Z	Pentane	1.559	1.559	360111	5164	74.896	NoCal	#
2) Z	2-Methylp...	2.009	2.009	412339	16154	59.526	NoCal	#
3) TM	Methyl-t-...	2.177	2.177	219837	226301	NoCal	52.632	#
4) Z	2,2,4-Tri...	3.280	3.280	418763	84499	63.131	NoCal	#
5) TM	Benzene	3.509	3.509	555846	656084	NoCal	49.572	#
6) TM	Toluene	4.881	4.881	551311	598686	NoCal	48.928	#
7) XH	C5-C8 ALI...	3.717	0.000	2615450	0	441.343	N.D.	#
9) TM	Ethylbenzene	6.122	6.121	541215	530358	NoCal	50.076	#
10) TM	m,p-Xylene	6.188	6.188	1097619	1247921	NoCal	100.725	#
11) TM	o-Xylene	6.559	6.558	547299	530782	NoCal	49.594	#
12) Z	n-Decane	7.152	7.152	278934	40496	47.630	NoCal	#
13) Z	n-Butylcy...	7.822	7.821	338833	193986	52.948	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	3696091	0	603.168	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	533627	548257	NoCal	51.544	#
16) XH	C9-C10 AR...	10.410	8.424	54	849808	NoCal	79.895	#
17) TM	Naphthalene	10.245	10.245	353200	485287	NoCal	57.862	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

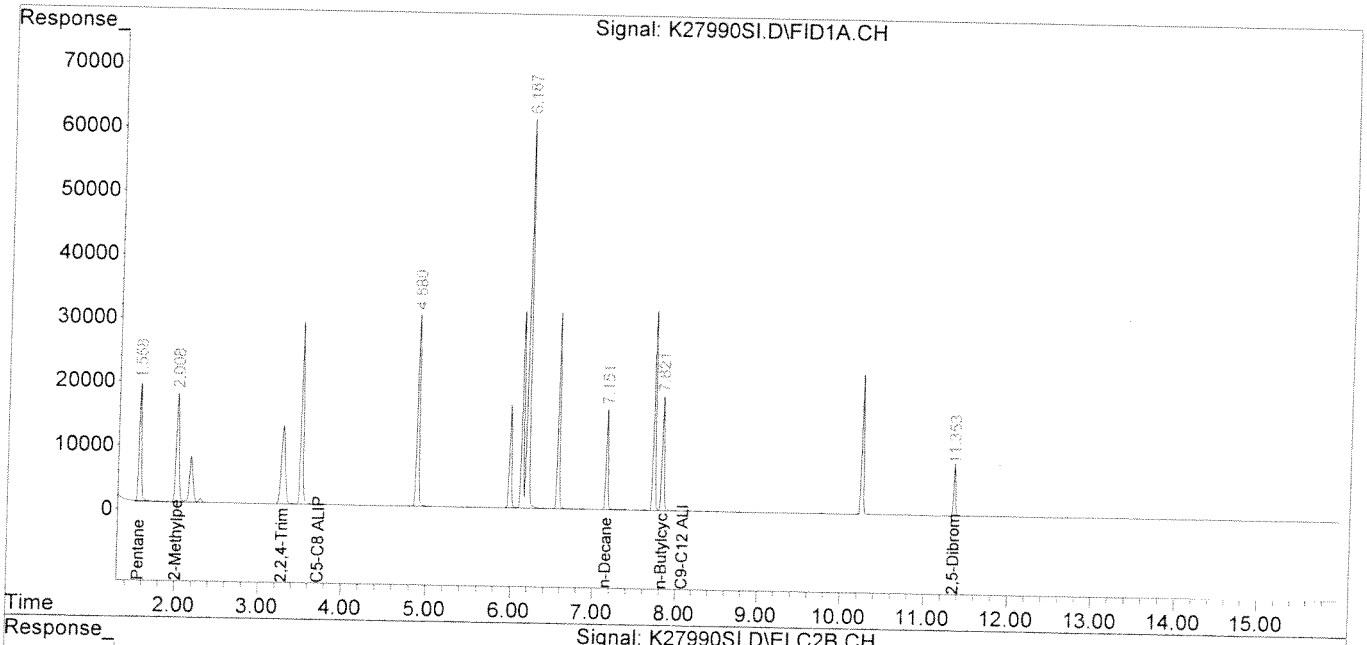
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27990SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:11 pm
Operator : JJL
Sample : VPH 50 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

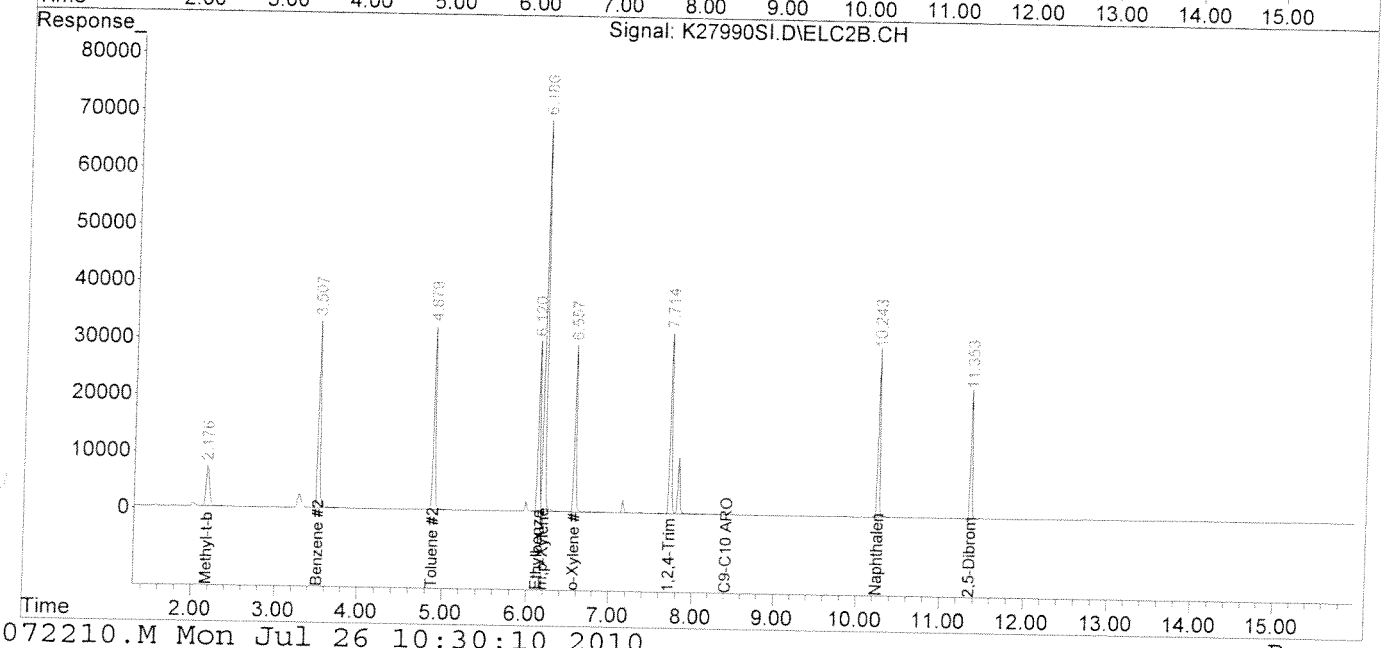
Integration File signal 1: autoint1.e
~~Integration File signal 2: autoint2.e~~
Quant Time: Jul 23 08:21:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27991SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:36 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
~~Integration File signal 2: autoint2.e~~ gg 7/26/10
Quant Time: Jul 23 15:12:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010 VMT 7/26/10
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	285904	815340	97.202	103.300	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	97.20%	103.30%
		Target Compounds							
1)	Z	Pentane	1.559	1.559	757038	9686	108.188	NoCal	#
2)	Z	2-Methylp...	2.009	2.009	868989	32171	106.171	NoCal	#
3)	TM	Methyl-t-...	2.178	2.177	438527	447939	NoCal	96.052	#
4)	Z	2,2,4-Tri...	3.280	3.280	799271	162150	103.574	NoCal	#
5)	TM	Benzene	3.510	3.509	1127517	1320966	NoCal	101.517	#
6)	TM	Toluene	4.882	4.881	1117393	1223183	NoCal	102.568	#
7)	XH	C5-C8 ALI...	3.717	0.000	5246542	0	716.286	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1106103	1087175	NoCal	99.501	#
10)	TM	m,p-Xylene	6.190	6.189	2249248	2565975	NoCal	204.524	#
11)	TM	o-Xylene	6.560	6.559	1115798	1082680	NoCal	96.788	#
12)	Z	n-Decane	7.153	7.153	799691	117574	115.954	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	802941	461864	109.075	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7979371	0	1119.285	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.716	1100720	1135642	NoCal	96.274	#
16)	XH	C9-C10 AR...	10.410	8.424	20	1807342	NoCal	153.217	#
17)	TM	Naphthalene	10.246	10.245	721604	997055	NoCal	97.824	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

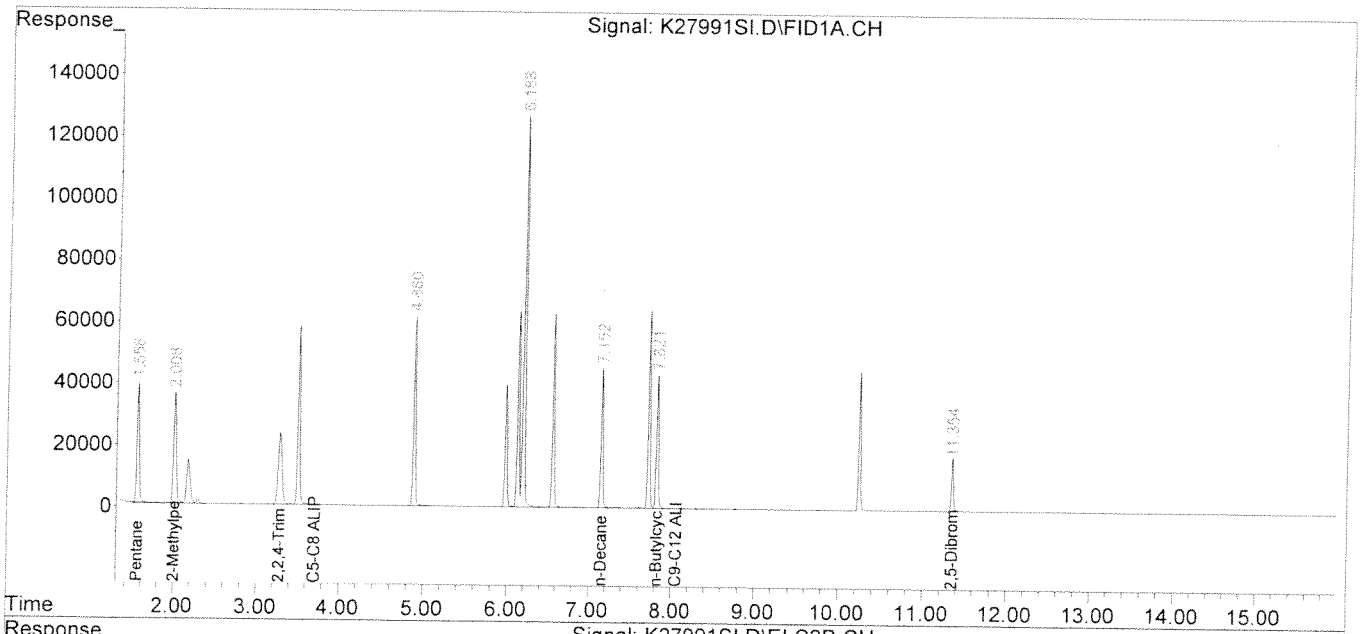
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27991SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:36 pm
perator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

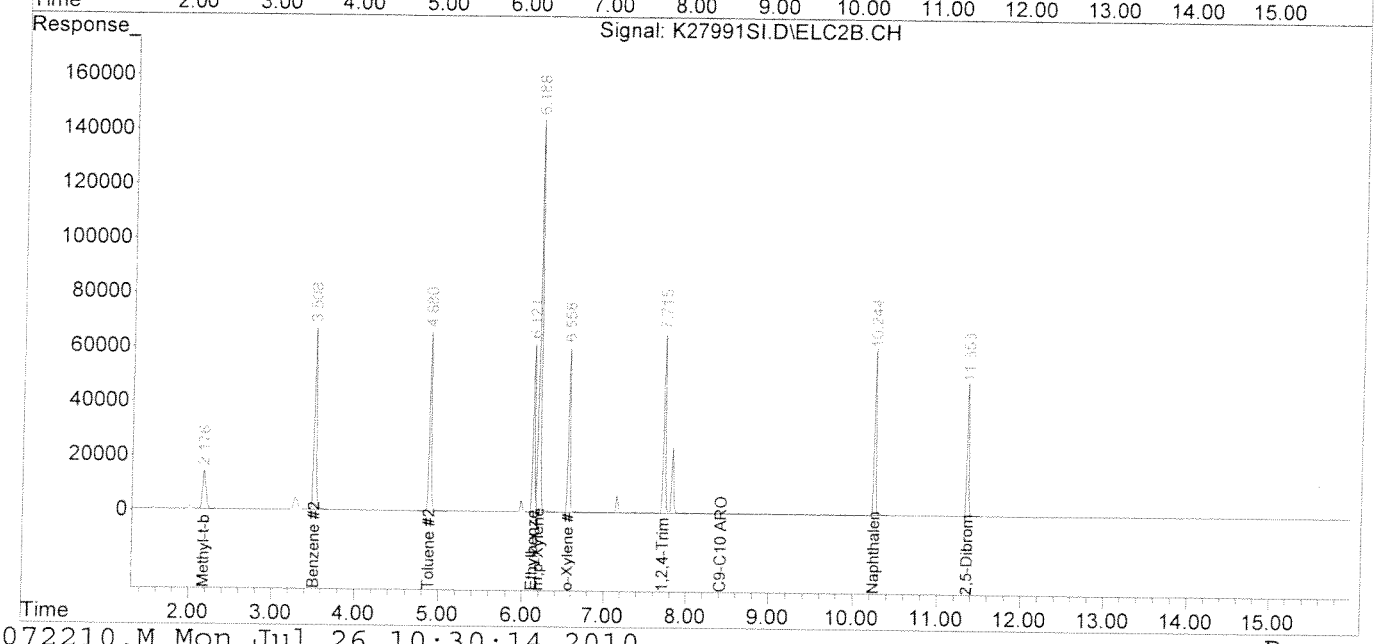
Integration File signal 1: autoint1.e
~~Integration File signal 2: autoint2.e~~
Quant Time: Jul 23 15:12:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27992SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:00 pm
Operator : JJL
Sample : VPH 200 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.356	11.355	573767	1641106	239.880	240.622	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	239.88%#	240.62%#
		Target Compounds							
1)	Z	Pentane	1.560	1.559	1489524	22671	309.791	NoCal	#
2)	Z	2-Methylp...	2.010	2.009	1701064	67354	245.570	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	852664	873179	NoCal	203.081	#
4)	Z	2,2,4-Tri...	3.281	3.281	1341020	278226	202.168	NoCal	#
5)	TM	Benzene	3.510	3.509	2234430	2633185	NoCal	198.955	#
6)	TM	Toluene	4.883	4.882	2222155	2428518	NoCal	198.472	#
7)	XH	C5-C8 ALI...	3.717	0.000	10054754	0	1696.684	N.D.	#
9)	TM	Ethylbenzene	6.124	6.124	2202865	2170453	NoCal	204.931	#
10)	TM	m,p-Xylene	6.191	6.191	4475121	5070193	NoCal	409.237	#
11)	TM	o-Xylene	6.560	6.560	2219154	2155584	NoCal	201.411	#
12)	Z	n-Decane	7.154	7.154	1731319	253392	295.635	NoCal	#
13)	Z	n-Butylcy...	7.823	7.823	1724578	987446	269.494	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	16235446	0	2649.476	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.717	2196553	2270927	NoCal	213.501	#
16)	XH	C9-C10 AR...	10.410	8.424	218	3642615	NoCal	342.460	#
17)	TM	Naphthalene	10.247	10.246	1421440	1959201	NoCal	233.600	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

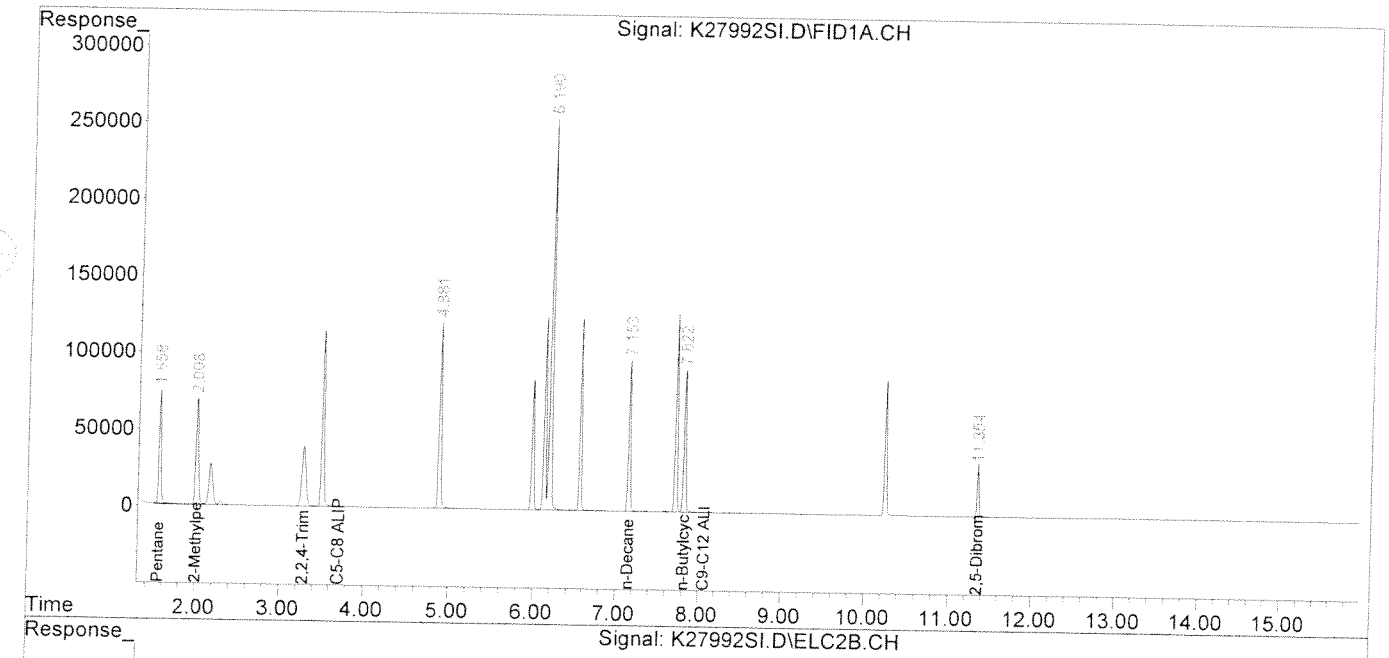
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27992SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:00 pm
perator : JJL
Sample : VPH 200 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

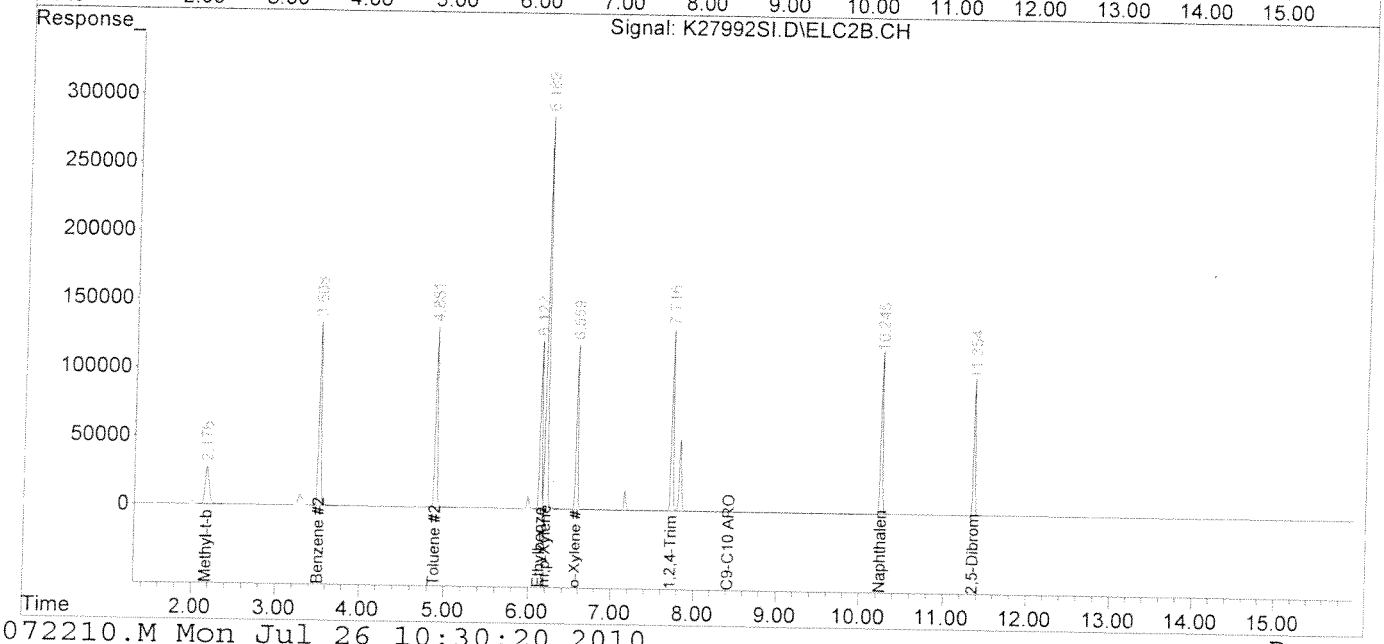
Integration File signal 1: autoint1.e
~~Integration File signal 2: autoint2.e~~
Quant Time: Jul 23 08:21:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

JMT 7/26/10

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27994SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:50 pm
Operator : JJL
Sample : VPH 500 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
~~Integration File signal 2: autoint2.e~~ gg 7/26/10
Quant Time: Jul 23 08:22:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004 VMT 7/26/10
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.358	11.358	1516288	4393616	633.927	644.200	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	633.93%#	644.20%#
		Target Compounds							
1)	Z	Pentane	1.563	1.563	3340630	49930	694.784	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	3820973	149080	551.605	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	2093459	2099278	NoCal	488.244	#
4)	Z	2,2,4-Tri...	3.281	3.281	2355729	492506	355.142	NoCal	#
5)	TM	Benzene	3.512	3.511	5595001	6576942	NoCal	496.932	#
6)	TM	Toluene	4.885	4.884	5572149	6086295	NoCal	497.405	#
7)	XH	C5-C8 ALI...	3.717	0.000	23833000	0	4021.686	N.D.	#
9)	TM	Ethylbenzene	6.128	6.127	5552765	5457691	NoCal	515.307	#
10)	TM	m,p-Xylene	6.198	6.197	11281535	12618733	NoCal	1018.513	#
11)	TM	o-Xylene	6.564	6.563	5686501	5485280	NoCal	512.526	#
12)	Z	n-Decane	7.158	7.157	4528311	672488	773.240	NoCal	#
13)	Z	n-Butylcy...	7.827	7.827	4806171	2727272	751.045	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	42134988	0	6876.044	N.D.	#
15)	ZM	1,2,4-Tri...	7.722	7.721	5665905	5848096	NoCal	549.808	#
16)	XH	C9-C10 AR...	10.410	8.424	201	9613009	NoCal	903.766	#
17)	TM	Naphthalene	10.250	10.249	3644004	5031020	NoCal	599.860	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

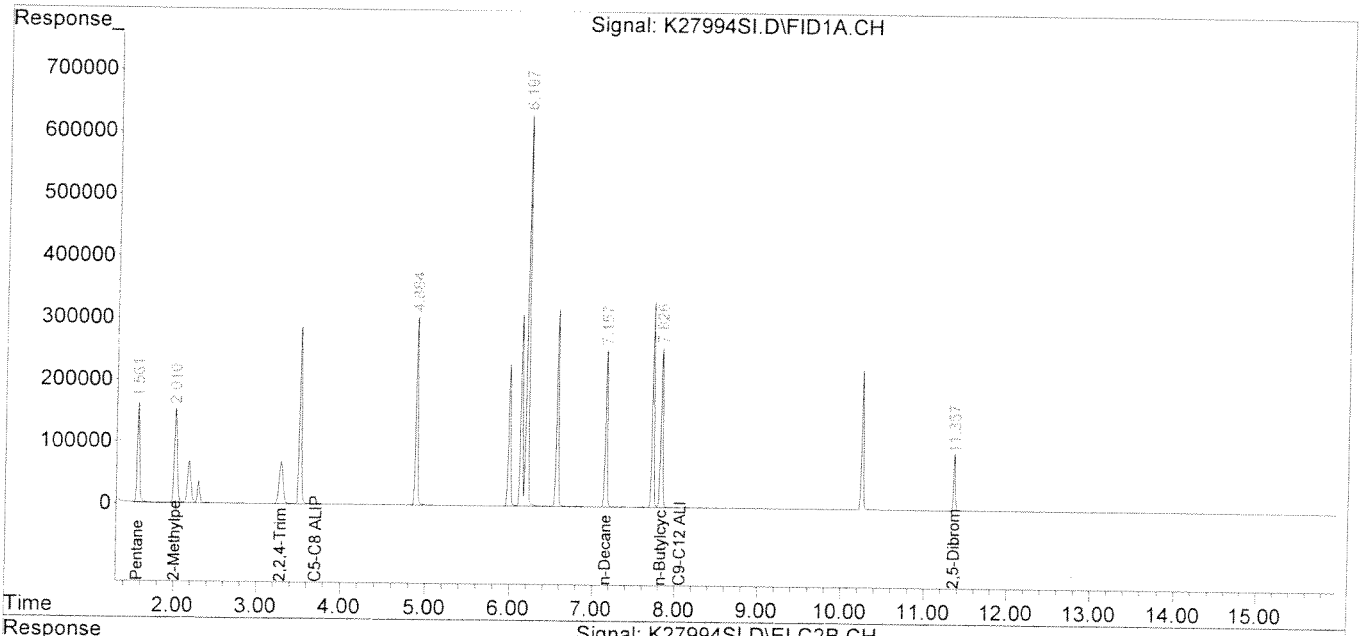
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27994SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:50 pm
perator : JJL
Sample : VPH 500 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

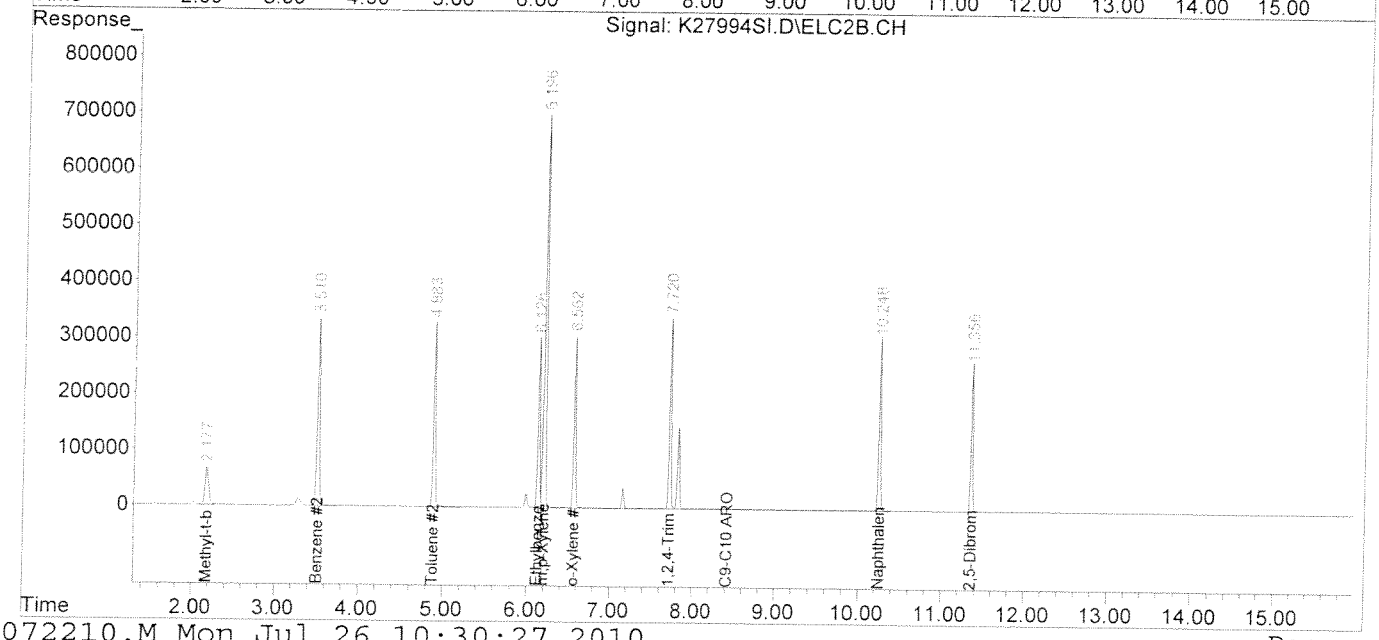
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:22:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS AQUEOUS
LABORATORY CONTROL SAMPLE

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: LV072210K,ICV
Spike: LV072210K,ICV

gg 7/26/10

VMT 7/26/10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
Pentane	100	70	130	0.0	119	119	
2-Methylpentane	100	70	130	0.0	111	111	
2,2,4-Trimethylpentane	100	70	130	0.0	96	96	
n-Decane	100	70	130	0.0	111	111	
n-Butylcyclohexane	100	70	130	0.0	102	102	
Methyl-t-butylether #2	100	70	130	0.0	95	95	
Benzene #2	100	70	130	0.0	103	103	
Toluene #2	100	70	130	0.0	103	103	
Ethylbenzene #2	100	70	130	0.0	99	99	
m,p-Xylene #2	200	70	130	0.0	204	102	
o-Xylene #2	100	70	130	0.0	97	97	
1,2,4-Trimethylbenzene #2	100	70	130	0.0	97	97	
Naphthalene #2	100	70	130	0.0	100	100	
C5-C8 Aliphatics	300	70	130	0.0	326	109	
C9-C12 Aliphatics	200	70	130	0.0	213	107	
C9-C10 Aromatics #2	100	70	130	0.0	97	97	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VPH FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27996SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 8:40 pm
Operator : JJL
Sample : LV072210K,ICV
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
~~Integration File signal 2: autoint2.e~~ 88 7/26/10
Quant Time: Jul 23 15:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004 VMT 7/26/10
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	285249	798627	96.979	101.183	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	96.98% ✓	101.18% ✓
		Target Compounds							
1)	Z	Pentane	1.561	1.561	834987	10878	119.328	NoCal	#
2)	Z	2-Methylp...	2.010	2.010	908647	31451	111.017	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	442200	444065	NoCal	95.221	#
4)	Z	2,2,4-Tri...	3.281	3.280	737656	145579	95.590	NoCal	#
5)	TM	Benzene	3.510	3.509	1150422	1337308	NoCal	102.773	#
6)	TM	Toluene	4.882	4.881	1133173	1225710	NoCal	102.780	#
7)	XH	C5-C8 ALI...	3.717	0.000	5289562	0	722.160	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1116218	1086585	NoCal	99.447	#
10)	TM	m,p-Xylene	6.189	6.189	2257214	2559629	NoCal	204.018	#
11)	TM	o-Xylene	6.560	6.559	1125050	1087200	NoCal	97.192	#
12)	Z	n-Decane	7.153	7.153	765948	107246	111.061	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	751300	425339	102.060	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7886409	0	1106.244	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	1124367	1147407	NoCal	97.271	#
16)	XH	C9-C10 AR...	10.410	8.424	108	1773360	NoCal	150.336	#
17)	TM	Naphthalene	10.246	10.245	748130	1019126	NoCal	99.989	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

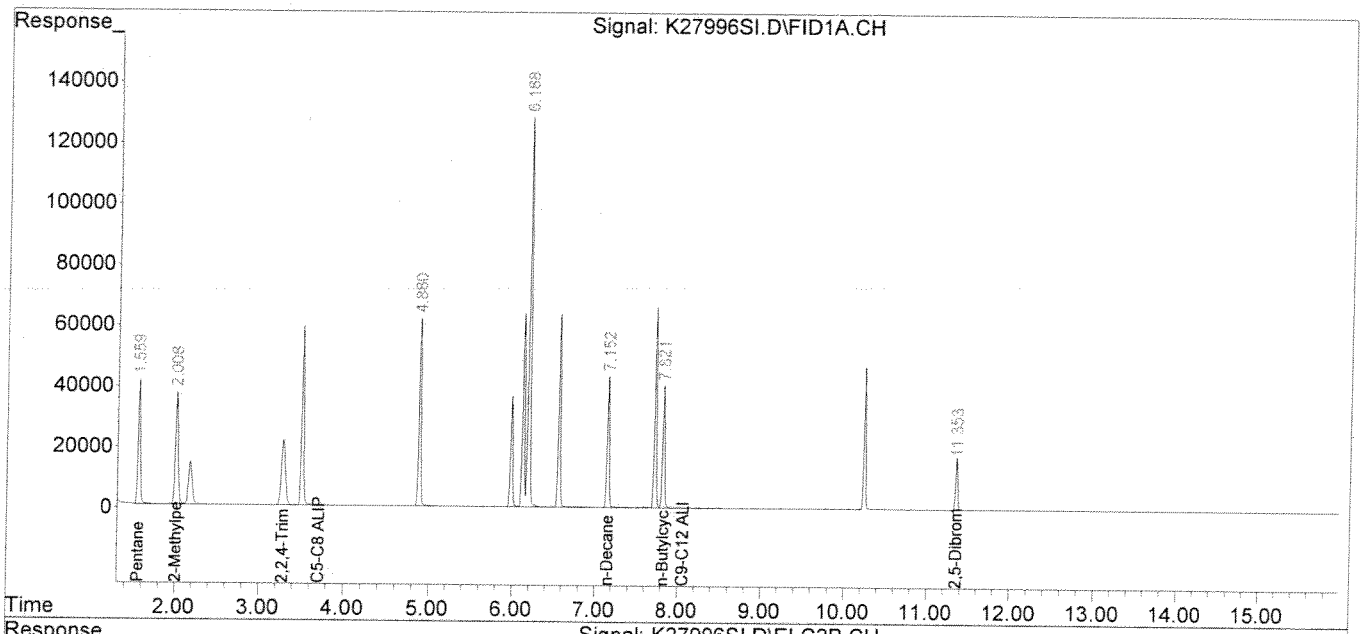
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27996SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 8:40 pm
Operator : JJL
Sample : LV072210K,ICV
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

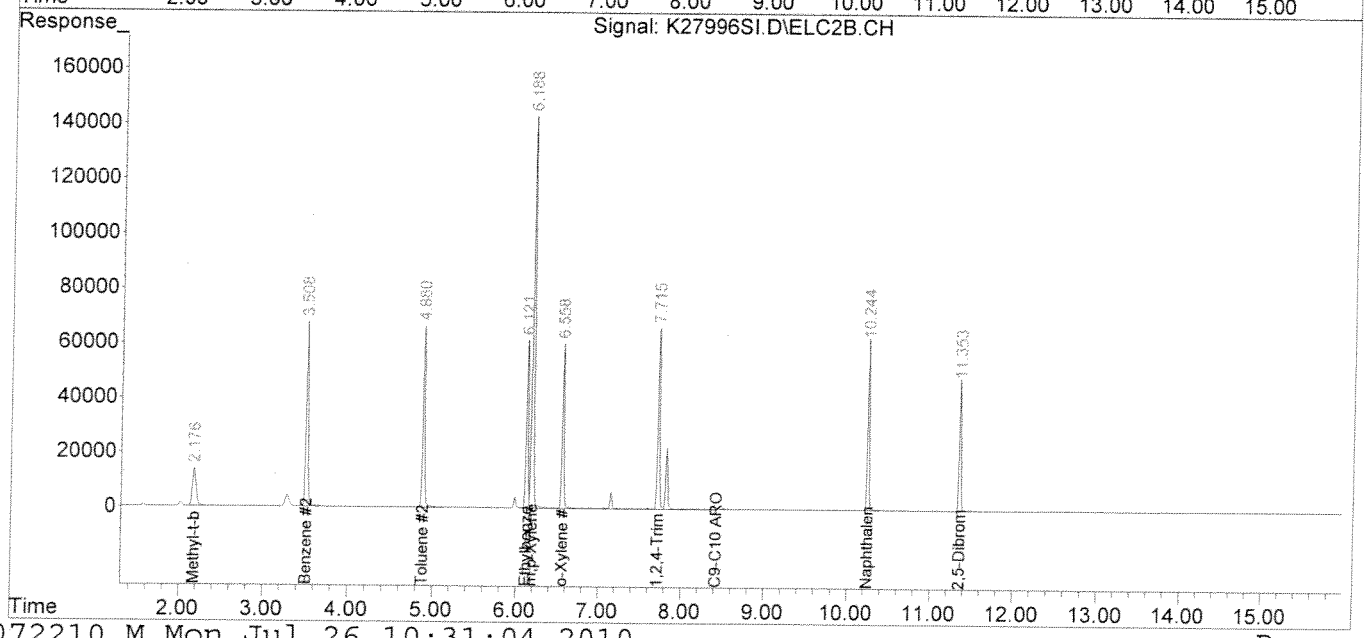
Integration File signal 1: autoint1.e
~~Integration File signal 2: autoint2.e~~
Quant Time: Jul 23 15:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28505SC.D

gf 8/16/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	103	3.3	
2-Methylpentane	104	4.4	
2,2,4-Trimethylpentane	117	16.6	
n-Decane	115	14.8	
n-Butylcyclohexane	111	10.6	
2,5-Dibromotoluene	92	7.8	
Methyl-t-butylether #2	97	3.2	
Benzene #2	102	1.8	
Toluene #2	103	3.1	
Ethylbenzene #2	101	0.7	
m,p-Xylene #2	207	3.6	
o-Xylene #2	98	1.9	
1,2,4-Trimethylbenzene #2	98	2.2	
Naphthalene #2	94	5.7	
2,5-Dibromotoluene #2	98	1.7	

vmt 8/16/10

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28505SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 11:12 am
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 11:28:34 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

BS 8/16/10

VMT 8/16/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.354	271242	776086	92.217	98.327	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	92.22%	98.33%
		Target Compounds							
1)	Z	Pentane	1.561	1.561	722750	12415	103.288	NoCal	#
2)	Z	2-Methylp...	2.011	2.010	854479	34111	104.399	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	443326	451448	NoCal	96.804	#
4)	Z	2,2,4-Tri...	3.281	3.281	899941	185247	116.619	NoCal	#
5)	TM	Benzene	3.510	3.509	1130877	1325055	NoCal	101.831	#
6)	TM	Toluene	4.882	4.881	1122197	1229281	NoCal	103.079	#
7)	XH	C5-C8 ALI...	3.717	0.000	5342775	0	729.424	N.D.	#
9)	TM	Ethylbenzene	6.122	6.122	1113135	1100007	NoCal	100.675	#
10)	TM	m,p-Xylene	6.189	6.189	2263474	2599366	NoCal	207.185	#
11)	TM	o-Xylene	6.559	6.559	1121979	1097752	NoCal	98.135	#
12)	Z	n-Decane	7.153	7.152	791504	123297	114.767	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	814274	476188	110.615	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	8048153	0	1128.933	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	1110336	1153665	NoCal	97.801	#
16)	XH	C9-C10 AR...	10.410	8.424	94	1904928	NoCal	161.489	#
17)	TM	Naphthalene	10.245	10.244	689332	960709	NoCal	94.257	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

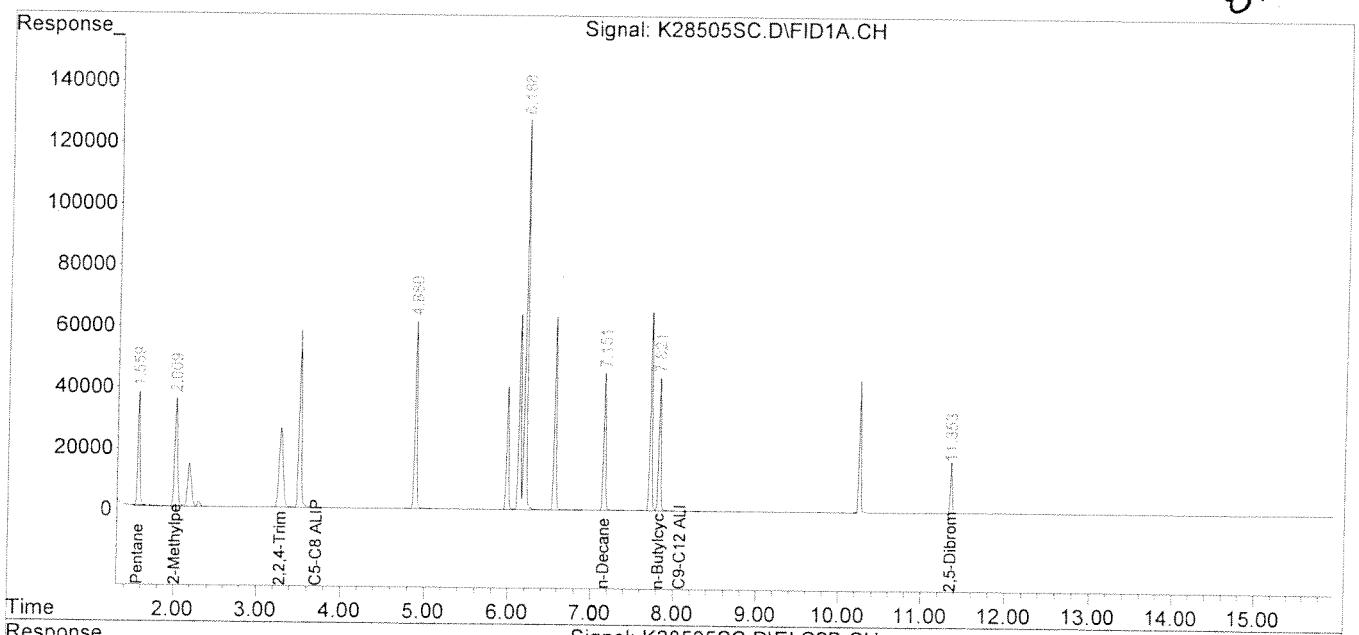
Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28505SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 11:12 am
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

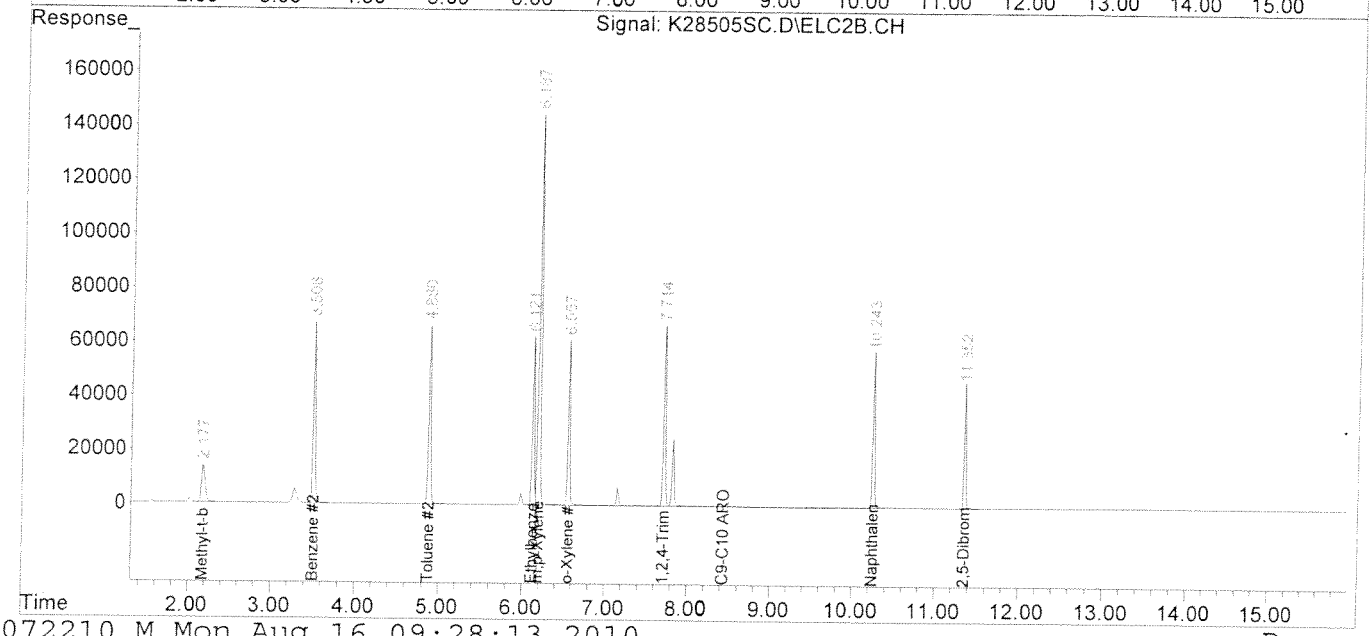
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 11:28:34 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 8/16/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 8/16/10





VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28512SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	101	0.5	
2-Methylpentane	104	3.7	
2,2,4-Trimethylpentane	117	16.7	
n-Decane	109	8.9	
n-Butylcyclohexane	112	11.8	
2,5-Dibromotoluene	98	2.3	
Methyl-t-butylether #2	97	3.1	
Benzene #2	102	2.3	
Toluene #2	103	3.5	
Ethylbenzene #2	102	1.5	
m,p-Xylene #2	208	4.0	
o-Xylene #2	99	1.3	
1,2,4-Trimethylbenzene #2	99	0.9	
Naphthalene #2	96	4.2	
2,5-Dibromotoluene #2	106	5.6	

gs 8/16/10

MT 8/16/10

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28512SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 3:45 pm
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 16:17:02 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/16/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 8/16/10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
18) S 2,5-Dibro...	11.355	11.355	287404	833143	97.712	105.556
Spiked Amount	100.000	Range	70 - 130	Recovery	=	97.71% 105.56%
Target Compounds						
1) Z Pentane	1.560	1.560	703354	11664	100.516	NoCal #
2) Z 2-Methylp...	2.011	2.011	848764	37733	103.700	NoCal #
3) TM Methyl-t-...	2.179	2.179	439139	451851	NoCal	96.891 #
4) Z 2,2,4-Tri...	3.282	3.281	900576	188966	116.702	NoCal #
5) TM Benzene	3.510	3.509	1128183	1331557	NoCal	102.331 #
6) TM Toluene	4.882	4.881	1120166	1233697	NoCal	103.450 #
7) XH C5-C8 ALI...	3.717	0.000	5311105	0	725.101	N.D. #
9) TM Ethylbenzene	6.123	6.122	1116830	1109099	NoCal	101.507 #
10) TM m,p-Xylene	6.189	6.189	2272098	2608722	NoCal	207.931 #
11) TM o-Xylene	6.559	6.559	1131730	1104592	NoCal	98.746 #
12) Z n-Decane	7.153	7.153	750762	112860	108.859	NoCal #
13) Z n-Butylcy...	7.822	7.822	823110	479896	111.815	NoCal #
14) XH C9-C12 AL...	8.070	0.000	8043899	0	1128.336	N.D. #
15) ZM 1,2,4-Tri...	7.717	7.716	1121405	1168535	NoCal	99.062 #
16) XH C9-C10 AR...	10.410	8.424	20	1861866	NoCal	157.839 #
17) TM Naphthalene	10.246	10.246	704399	976161	NoCal	95.774 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

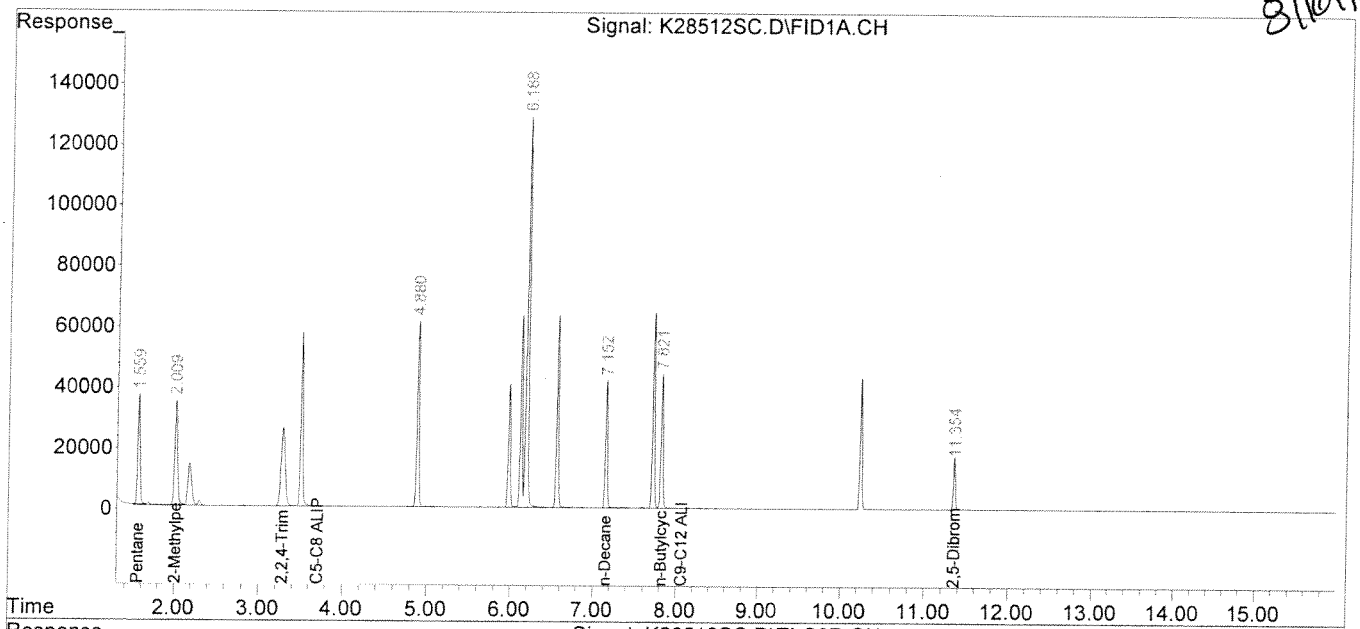
Data Path : C:\msdchem\1\DATA\081210-K\
Data File : K28512SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Aug 2010 3:45 pm
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

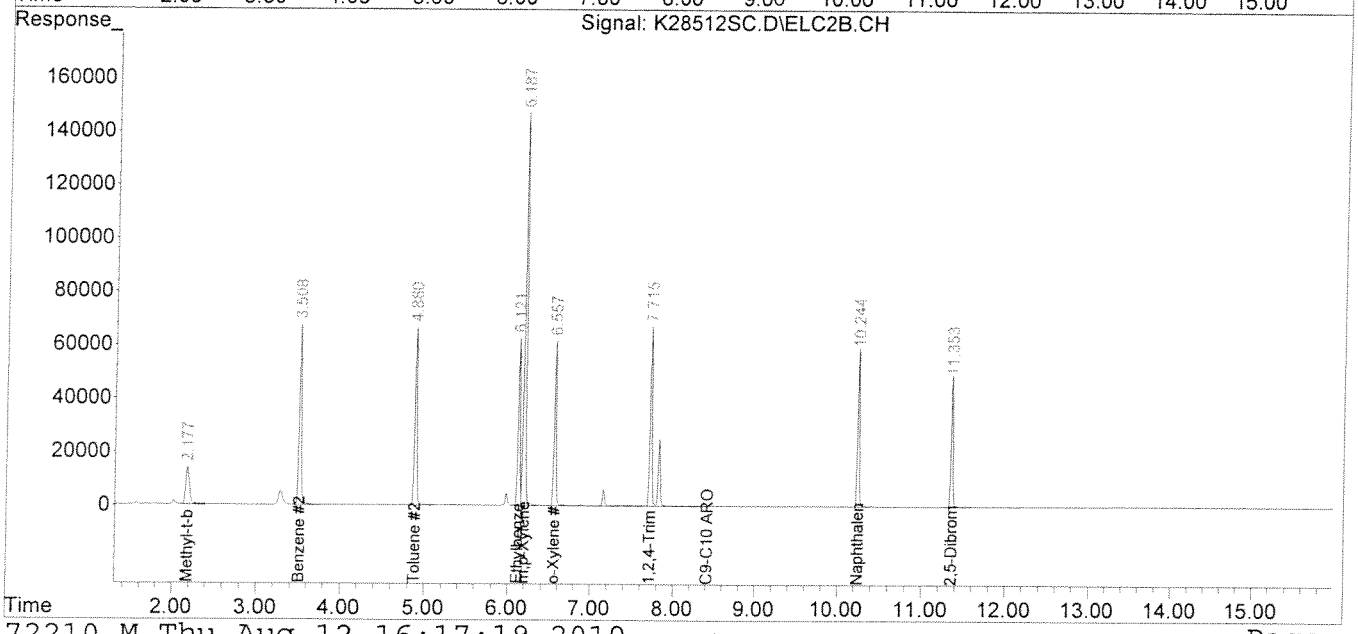
Integration File signal 1: autoint1.e
~~Integration File signal 2: autoint2.e~~
Quant Time: Aug 12 16:17:02 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/16/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 8/16/10





VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67494

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K28505SC.D	8/12/2010 11:12	11.354		11.354	
Upper Limit			11.384		11.384	
Lower limit			11.324		11.324	
SAMPLE ID						
LSV08120K	K28506Q.D	8/12/2010 11:57	11.355		11.354	
LSV08120K2	K28507Q.D	8/12/2010 12:22	11.354		11.353	
MBV08120K	K28509B.D	8/12/2010 13:56	11.354		11.354	
67494-5	K28510.D	8/12/2010 14:31	11.355		11.355	
67494-6	K28511.D	8/12/2010 14:56	11.355		11.355	
VPH 100 UG/L	K28512SC.D	8/12/2010 15:45	11.355		11.355	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

EPH
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B08110EASE
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 08/11/10
Analysis Date: 08/12/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				56
Aromatic Surrogate % Recovery (O-Terphenyl)				83
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				79
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				76
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

Sample Name: B08110EASE ✓

D81310

Dilution Factors	ARO	1.00		ALI	1.00
		ug/kg	RESULTS QUALIFIER	RL	
Unadjusted C11-C22 Aromatics		U		26667	
Naphthalene		U		267	
2-Methylnaphthalene		U		267	
Phenanthrene		U		267	
Acenaphthene		U		267	
Acenaphthylene		U		267	
Fluorene		U		267	
Anthracene		U		267	
Fluoranthene		U		267	
Pyrene		U		267	
Benzo[a]anthracene		U		267	
Chrysene		U		267	
Benzo[b] fluoranthene		U		267	
Benzo[k] fluoranthene		U		267	
Benzo[a] pyrene		U		267	
Indeno [1,2,3-cd] pyrene		U		267	
Dibenz [a,h] anthracene		U		267	
Benzo(g,h,i) perylene		U		267	
C9-C18 Aliphatics		U		26667	
C19-C36 Aliphatics		U		26667	
C11-C22 Aromatics		U		26667	
1-Chlorooctadecane (Ali)		56%		40-140%	PASS
o-terphenyl (Aro)		83%		40-140%	PASS
2-Fluorobiphenyl (Fraction)		79% ✓		40-140%	PASS
2-Bromonaphthalene (Fraction)		76%		40-140%	PASS

	Aromatic Sample Info		Aliphatic Sample Info
Data File Name	D71747B.D		------
Date Acquired	8/12/2010 2:20		------
Misc Info	SOIL,ARO		------
Soil Weight (g)	15.00	✓	15.00
% Solid (divided by 100)	1.0000		1.0000
Final Volume (mL)	2.0		2.0
Dilution (1:X)	1		1 ✓
Calculation Factor	133.3333		133.3333

RAW DATA **AROMATICS**	Raw Inst. Amount ug/mL	J Flag Inst MDL	Final Inst Amount	Calculated Sample Amt ug/kg	Calibration Fit
Naphthalene	0.00	1.00	0.00	0	Avg RF
2-Methylnaphthalene	0.00	1.00	0.00	0	Avg RF
Acenaphthylene	0.00	1.00	0.00	0	Avg RF
Acenaphthene	0.00	1.00	0.00	0	Avg RF
Fluorene	0.00	1.00	0.00	0	Avg RF
Phenanthrene	0.00	1.00	0.00	0	Avg RF
Anthracene	0.00	1.00	0.00	0	Avg RF
Fluoranthene	0.00	1.00	0.00	0	Avg RF
Pyrene	0.00	1.00	0.00	0	Avg RF
Benzo[a]anthracene	0.00	1.00	0.00	0	Avg RF
Chrysene	0.00	1.00	0.00	0	Avg RF
Benzo[b] fluoranthene	0.00	1.00	0.00	0	Quadratic
Benzo[k] fluoranthene	0.00	1.00	0.00	0	Avg RF
Benzo[a] pyrene	0.00	1.00	0.00	0	Quadratic
Indeno [1,2,3-cd] pyrene	0.00	1.00	0.00	0	Quadratic
Dibenz [a,h] anthracene	0.00	1.00	0.00	0	Quadratic
Benzo(g,h,i) perylene	0.00	1.00	0.00	0	Quadratic

C11-C22	28.140 ✓	C11-C22	893
ARO Hexane Blank	21.441		
Adjusted C11-C22		Adj C11-C22	893

ALIPHATICS

C9-C18	6.359 ✓	C9-C18	257
C9-C18 Hexane Blank	4.430		
C19-C36	18.839 ✓	C19-C36	217
C19-C36 Hexane Blank	17.209		

Surrogates

1-Chlorooctadecane (Ali)	11.261 ✓	56%
2-Fluorobiphenyl (Fraction)	15.81	79%
2-Bromonaphthalene (Fraction)	15.21	76%
o-terphenyl (Aro)	16.60	83%

8/14/10

D:\HPCHEM\1\DATA\081210 B\D71747B.D Vial: 8

Acq On : 12 Aug 2010 2:20 pm
Sample : B08110EASE
Misc : SOIL,ARO
MS Integration Params: RTEINT.P
Quant Time: Aug 12 17:55 2010

Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RI

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

B81210

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.94	95	31322	20.00 ug/ml	0.00

System Monitoring Compounds

9) 2-Fluorobiphenyl	7.70	172	131005	15.81 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	79.05%	79
10) 2-Bromonaphthalene	8.38	206	52211	15.21 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	76.05%	76
11) o-terphenyl	10.23	230	80519	16.60 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	83.00%	83

Target Compounds Qvalue

8/14/10

(#) = qualifier out of range (m) = manual integration
D71747B.D ARM80410.M Thu Aug 12 17:55:49 2010 Page 1

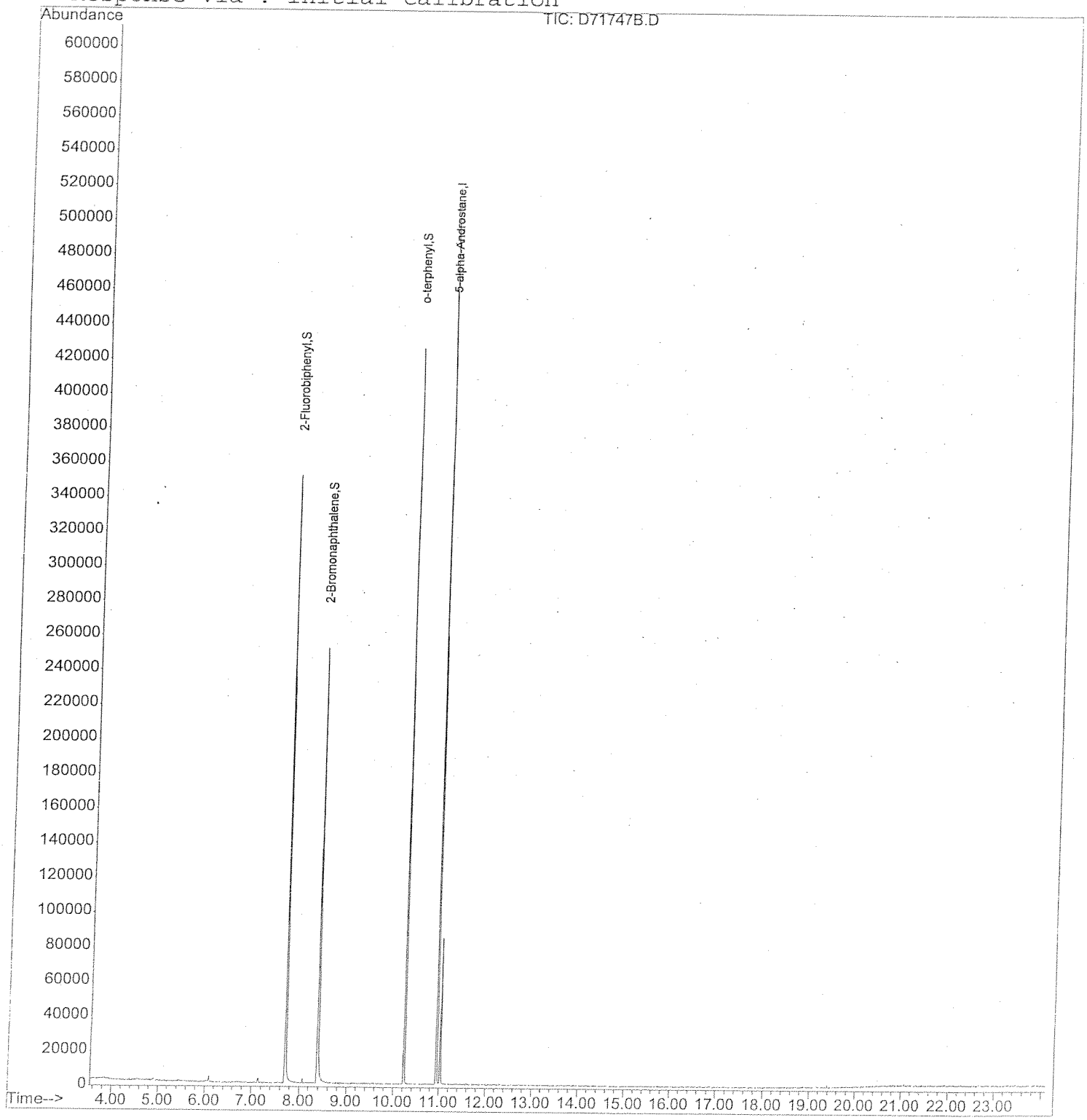
Acq On : 12 Aug 2010 2:20 pm
Sample : B08110EASE
Misc : SOIL,ARO
MS Integration Params: RTEINT.P
Quant Time: Aug 12 17:55 2010

Vial: 8
Operator: AR/NP
Inst : GC/MS In.
Multiplr: 1.00

Quant Results File: ARM80410

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration

S8120



D71747B.D ARM80410.M Thu Aug 12 17:55:49 2010 Page 2

8/14/10

Data : D:\HPCHEM\1\DATA\081210 B\D71747B.D Vial: 8
Acq On : 12 Aug 2010 2:20 pm Operator: AR/NP
Sample : B08110EASE Inst : GC/MS
Misc : SOIL,ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 12 18:01 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 12 14:04:53 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

581210

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.94	5912880	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.70	4347071	14.899 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	74.50%
10) S 2-Bromonaphthalene	8.38	3494473	17.226 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	86.13%
11) S o-terphenyl	10.23	4268236	15.415 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	77.07%
Target Compounds			
2) TZ Naphthalene	6.65	5895	<MDL ug/ml
3) TZ 2-Methylnaphthalene	7.35	11157	<MDL ug/ml
4) TZ Acenaphthylene	8.22	19045	<MDL ug/ml
5) TZ Acenaphthene	8.38	3494473	10.139 ug/ml
6) TZ Fluorene	8.94	6610	<MDL ug/ml
7) TZ Phenanthrene	9.87	3529	<MDL ug/ml
8) TZ Anthracene	9.93	5582	<MDL ug/ml
12) TZ Fluoranthene	11.23	3966	<MDL ug/ml
13) TZ Pyrene	11.59	14038	<MDL ug/ml
14) TZ Benzo[a]anthracene	13.78	11087	1.231 ug/ml
15) TZ Chrysene	13.82	4933	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	16.08	23755	1.340 ug/ml
17) TZ Benzo[k] fluoranthene	16.13	9990	<MDL ug/ml
18) TZ Benzo[a] pyrene	16.79	8827	1.040 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.09	5943	2.032 ug/ml
20) TZ Dibenz [a,h] anthracene	19.12	3518	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	19.59	5173	<MDL ug/ml
22) XH c11-c22	11.73	7250882	~~28.140~~ ug/ml

21.441

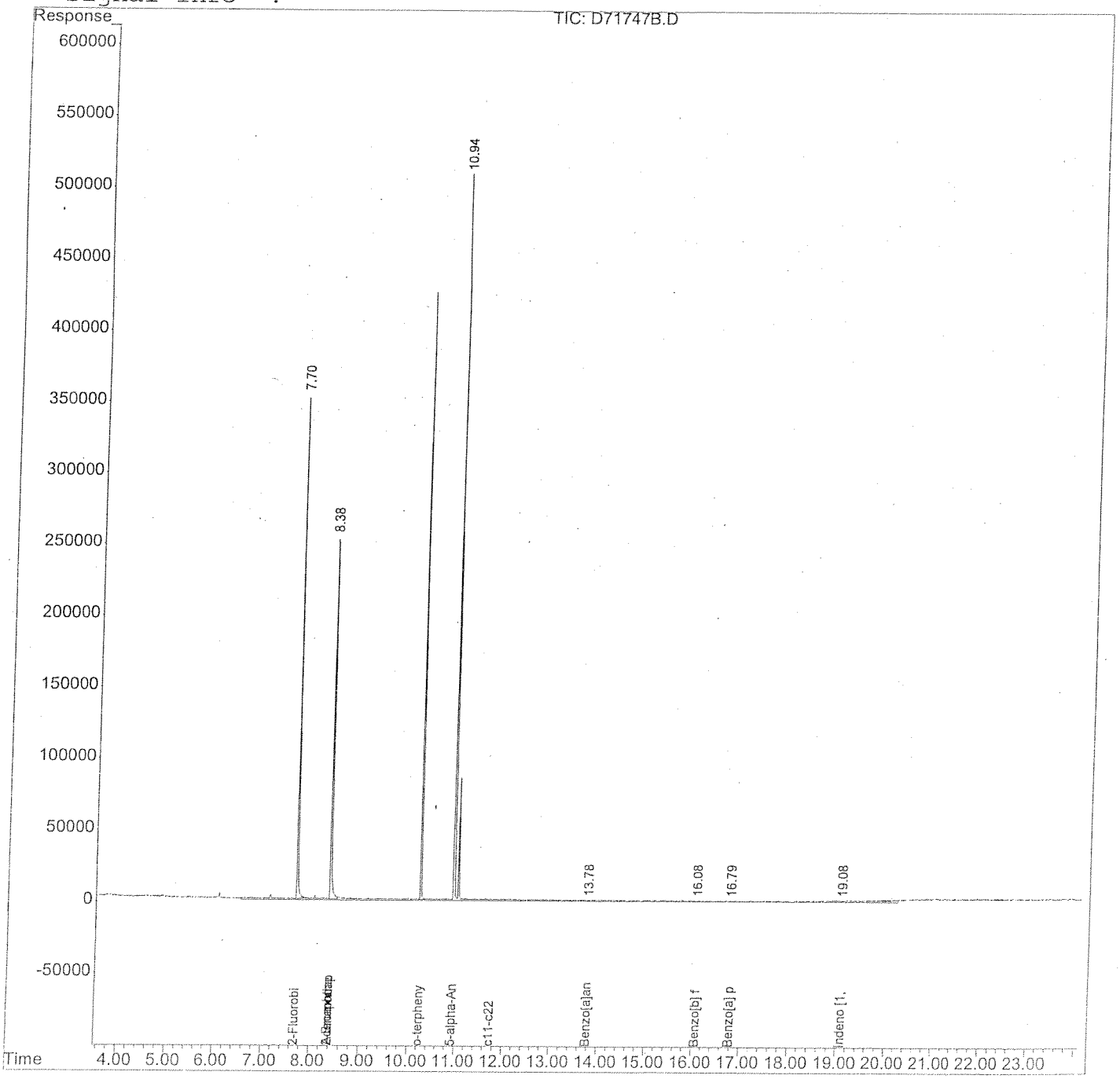
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\081210\D71747B.D Vial: 8
Acq On : 12 Aug 2010 2:20 pm Operator: AR/NP
Sample : B08110EASE Inst : GC/MS
Misc : SOIL,ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 12 18:01 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 12 14:04:53 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

081210

Volume Inj. :
Signal Phase :
Signal Info :



D71747B.D ARG80410.M Thu Aug 12 18:01:50 2010 Page 2

8/14/10

D:\HPCHEM\1\DATA\081210-D\D71744B.D

Acq On : 12 Aug 2010 12:39 pm
Sample : B080110EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 12 14:05 2010 Quant Results File: ALG80410.RES

Vial: 5
Operator: AR/NP
Inst : GC/MS
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

D 8/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.94	6313538	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.03	4363015	11.261 ug/ml
Spiked Amount 20.000	Range 40 - 140	Recovery =	56.30% 56
Target Compounds			
2) TZM C-9	4.16	38564	<MDL ug/ml
3) TZM C-10	5.14	19069	<MDL ug/ml
4) TZM C-12	6.61	12899	<MDL ug/ml
5) TZM C-14	7.79	20144	<MDL ug/ml
6) TZM C-16	8.81	10523	<MDL ug/ml
7) TZM C-18	9.74	29288	<MDL ug/ml
8) XH C9-C18	7.53	2665624	6.359 ug/ml
9) TZM C-19	10.14	10025	<MDL ug/ml
10) TZM C-20	10.59	14828	<MDL ug/ml
12) TZM C-22	11.60	29345	<MDL ug/ml
13) TZM C-24	12.92	20481	<MDL ug/ml
14) TZM C-26	14.43	11752	<MDL ug/ml
15) TZM C-28	15.94	31638	<MDL ug/ml
16) TZM C-30	17.48	9666	<MDL ug/ml
17) TZM C-36	21.55	16146	4.115 ug/ml
18) XH C19-C36	12.05	6552979	18.839 ug/ml

4430/17209

8/14/10

(f)=RT Delta > 1/2 Window (m)=manual int.

D:\HPCHEM\1\DATA\081210 B\D71744B.D Vial: 5

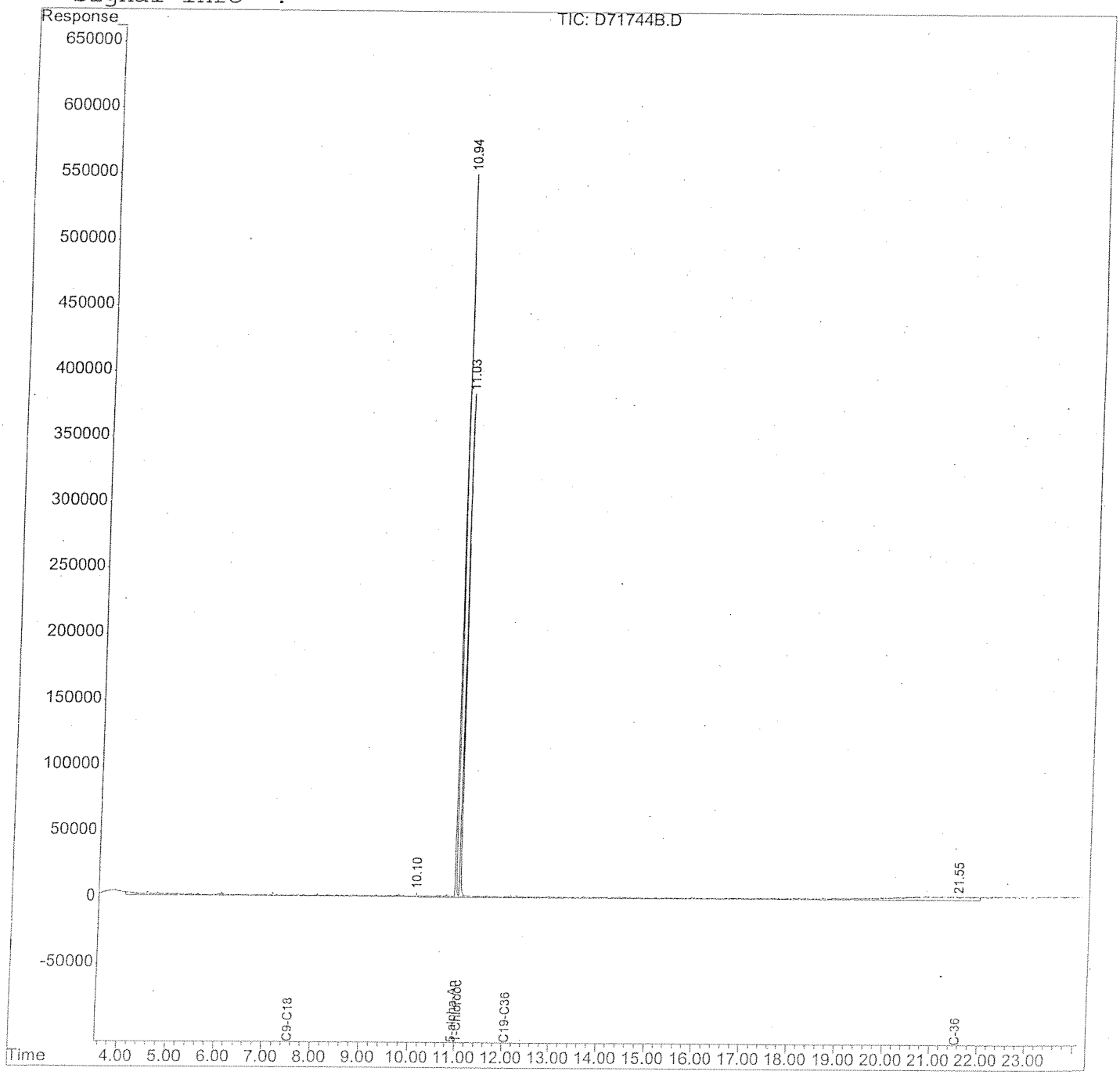
Acq On : 12 Aug 2010 12:39 pm
Sample : B080110EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 12 14:05 2010 Quant Results File: ALG80410.RES

Operator: AR/NP
Inst : GC/MS
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

SEN2W

Volume Inj. :
Signal Phase :
Signal Info :



8/14/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Nereson
Ransom Environmental Consultants, Inc.
112 Corporate Drive
Portsmouth NH 03801

August 18, 2010

CLIENT SAMPLE ID

Project Name: CVS- South Portland, ME

Project Number: 051182
Client Sample ID: FDS-6

SAMPLE DATA

Lab Sample ID: 67494-5
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1.1
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Extraction Date: 08/11/10
Analysis Date: 08/12/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29400	µg/kg	U
Diesel PAH Analytes	Naphthalene	294	µg/kg	U
	2-Methylnaphthalene	294	µg/kg	U
	Phenanthrene	294	µg/kg	**598**
	Acenaphthene	294	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	294	µg/kg	U
	Fluorene	294	µg/kg	U
	Anthracene	294	µg/kg	U
	Fluoranthene	294	µg/kg	**763**
	Pyrene	294	µg/kg	**612**
	Benzo[a]anthracene	294	µg/kg	**271 J**
	Chrysene	294	µg/kg	**303**
	Benzo[b]fluoranthene	294	µg/kg	U
	Benzo[k]fluoranthene	294	µg/kg	U
	Benzo[a]pyrene	294	µg/kg	**343**
	Indeno[1,2,3-cd]pyrene	294	µg/kg	**412**
	Dibenzo[a,h]anthracene	294	µg/kg	**149 J**
	Benzo[g,h,i]perylene	294	µg/kg	**262 J**
C9-C18 Aliphatic Hydrocarbons[1]		29400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				42
Aromatic Surrogate % Recovery (O-Terphenyl)				59
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				88
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				83
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL REPORT

Sample Name: 67494-5

DC 1310

Dilution Factors	ARO 1.10		ALI 1.10
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		29402
Naphthalene	U		294
2-Methylnaphthalene	U		294
Phenanthrene	598		294
Acenaphthene	U		294
Acenaphthylene	U		294
Fluorene	U		294
Anthracene	U		294
Fluoranthene	763		294
Pyrene	612		294
Benzo[a]anthracene	271	J	294
Chrysene	303		294
Benzo[b] fluoranthene	U		294
Benzo[k] fluoranthene	U		294
Benzo[a] pyrene	343		294
Indeno [1,2,3-cd] pyrene	412		294
Dibenz [a,h] anthracene	149	J	294
Benzo(g,h,i) perylene	262	J	294
C9-C18 Aliphatics	U		29402
C19-C36 Aliphatics	U		29402
C11-C22 Aromatics	U		29402
1-Chlorooctadecane (Ali)	42%		40-140% PASS
o-terphenyl (Aro)	59%		40-140% PASS
2-Fluorobiphenyl (Fraction)	88%		40-140% PASS
2-Bromonaphthalene (Fraction)	83%		40-140% PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	D71752.D	---------
Date Acquired	8/12/2010 4:50	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.35**	15.35
% Solid (divided by 100)	**0.8863**	0.8863
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	1
Calculation Factor	147.0080	147.0080

RAW DATA **AROMATICS**	Raw Inst. Amount ug/mL	J Flag Inst MDL	Final Inst Amount	Calculated Sample Amt ug/kg	Calibration Fit
Naphthalene	0.00	1.00	0.00	0	Avg RF
2-Methylnaphthalene	0.03	1.00	0.00	0	Avg RF
Acenaphthylene	0.04	1.00	0.00	0	Avg RF
Acenaphthene	0.32	1.00	0.00	0	Avg RF
Fluorene	0.00	1.00	0.00	0	Avg RF
Phenanthrene	4.07	1.00	4.07	598	Avg RF
Anthracene	0.76	1.00	0.00	0	Avg RF
Fluoranthene	5.19	1.00	5.19	763	Avg RF
Pyrene	4.17	1.00	4.17	612	Avg RF
Benzo[a]anthracene	1.85	1.00	1.85	271	Avg RF
Chrysene	2.06	1.00	2.06	303	Avg RF
Benzo[b] fluoranthene	0.00	1.00	0.00	0	Quadratic
Benzo[k] fluoranthene	0.85	1.00	0.00	0	Avg RF
Benzo[a] pyrene	2.33	1.00	2.33	343	Quadratic
Indeno [1,2,3-cd] pyrene	2.81	1.00	2.81	412	Quadratic
Dibenz [a,h] anthracene	1.02	1.00	1.02	149	Quadratic
Benzo(g,h,i) perylene	1.78	1.00	1.78	262	Quadratic
C11-C22	**64.650**		C11-C22	6352	
ARO Hexane Blank	**21.441**				
Adjusted C11-C22			Adj C11-C22	2638	
ALIPHATICS					
C9-C18	**7.773**		C9-C18	491	
C9-C18 Hexane Blank	**4.430**				
C19-C36	**22.519**		C19-C36	781	
C19-C36 Hexane Blank	**17.209**				
Surrogates					
1-Chlorooctadecane (Ali)	**8.385**			42%	
2-Fluorobiphenyl (Fraction)	17.54			88%	
2-Bromonaphthalene (Fraction)	16.55			83%	
o-terphenyl (Aro)	11.80			59%	

8/15/10

Quantitation Report (Not Reviewed)

Q

Data File : D:\HPCHEM\1\DATA\081210-D\D71752.D
Acq On : 12 Aug 2010 4:50 pm
Sample : 67494-5
Misc : SOIL,ARO
MS Integration Params: RTEINT.P
Quant Time: Aug 12 17:57 2010

Vial: 13
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

8/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.94	95	29729 ✓	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.70	172	137945	17.54 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	87.70%	88
10) 2-Bromonaphthalene	8.38	206	53910	16.55 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	82.75%	83
11) o-terphenyl	10.23	230	54333	11.80 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	59.00%	59

Target Compounds					Qvalue
7) Phenanthrene	9.88	178	40124	4.07 ug/ml	100
12) Fluoranthene	11.22	202	53266	5.19 ug/ml#	90
13) Pyrene	11.54	202	43923	4.17 ug/ml#	88
J 14) Benzo[a]anthracene	13.75	228	14948	1.85 ug/ml	97
15) Chrysene	13.83	228	17642	2.06 ug/ml	98
16) Benzo[b] fluoranthene	16.09	252	14948	3.38 ug/ml#	91
18) Benzo[a] pyrene	16.77	252	10847	2.33 ug/ml#	92
19) Indeno [1,2,3-cd] pyrene	19.09	276	6185	2.81 ug/ml#	79
J 20) Dibenz [a,h] anthracene	19.15	278	1273	1.02 ug/ml#	72
J 21) Benzo(g,h,i) perylene	19.59	276	7213	1.78 ug/ml#	72

15.35
2.0mL
896320

8/13/10

(#) = qualifier out of range (m) = manual integration
D71752.D ARM80410.M Thu Aug 12 17:57:24 2010 Page 1

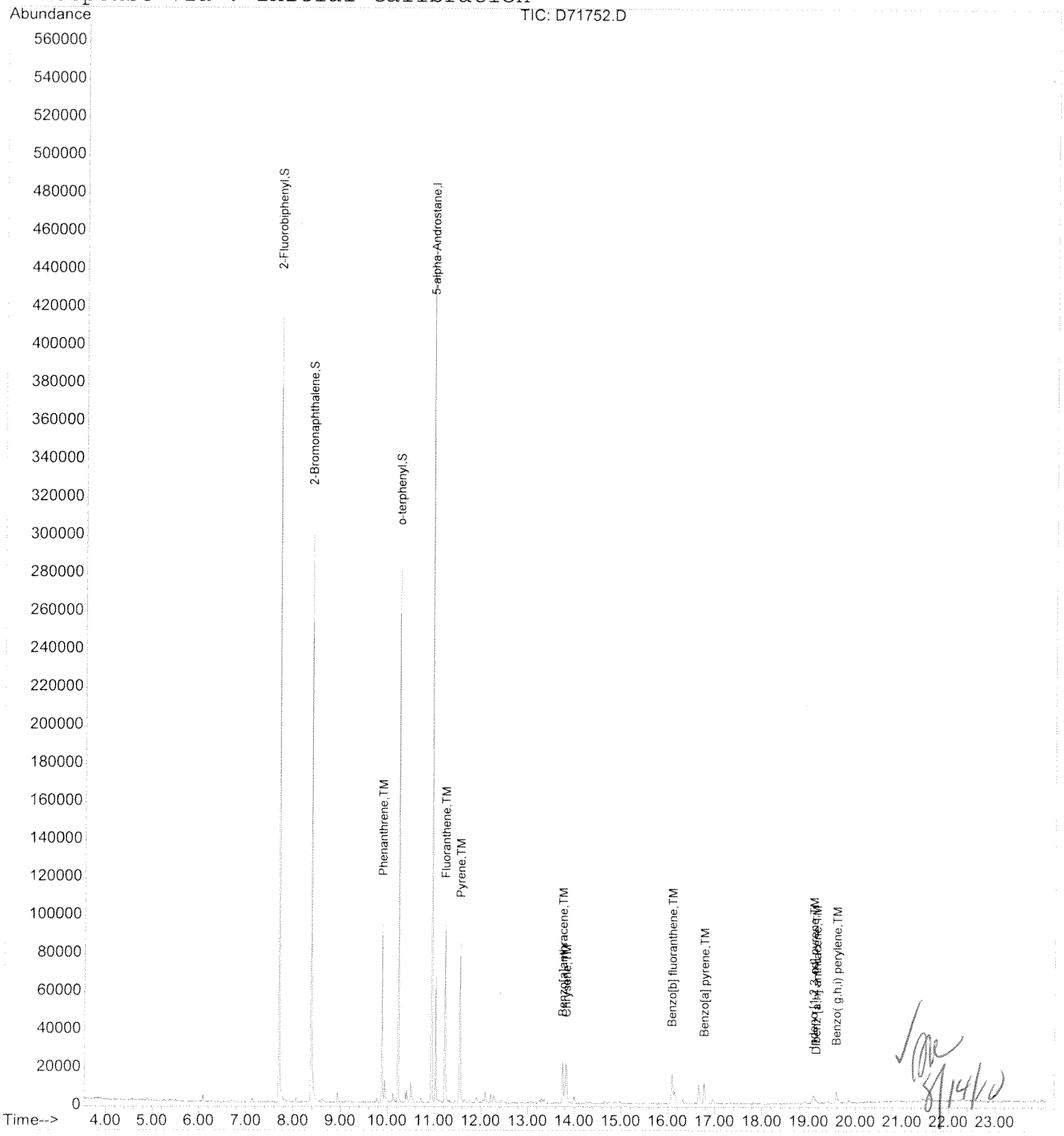
Quantitation Report

Data File : D:\HPCHEM\1\DATA\081210-D\D71752.D
Acq On : 12 Aug 2010 4:50 pm
Sample : 67494-5
Misc : SOIL,ARO
MS Integration Params: RTEINT.P
Quant Time: Aug 12 17:57 2010

Vial: 13
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration

581210



8/14/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081210-D\D71752.D
Acq On : 12 Aug 2010 4:50 pm
Sample : 67494-5
Misc : SOIL,ARO
IntFile : autoint1.e
Quant Time: Aug 12 18:01 2010 Quant Results File: ARG80410.RES

Vial: 13
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 12 14:04:53 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

081210

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.94	5574814	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.70	4594038	16.701 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	83.51%
10) S 2-Bromonaphthalene	8.38	3795928	19.846 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	99.23%
11) S o-terphenyl	10.23	2906708	11.134 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	55.67%
Target Compounds			
2) TZ Naphthalene	6.64	8634	<MDL ug/ml
3) TZ 2-Methylnaphthalene	7.36	1955	<MDL ug/ml
4) TZ Acenaphthylene	8.28	18878	<MDL ug/ml
5) TZ Acenaphthene	8.38	3795928	11.758 ug/ml
6) TZ Fluorene	8.94	91004	<MDL ug/ml
7) TZ Phenanthrene	9.88	1105845	4.039 ug/ml
8) TZ Anthracene	9.95	187890	<MDL ug/ml
12) TZ Fluoranthene	11.23	1375627	5.095 ug/ml
14) TZ Benzo[a]anthracene	13.75	418347	2.789 ug/ml
15) TZ Chrysene	13.83	577681	2.231 ug/ml
16) TZ Benzo[b] fluoranthene	16.09	411686	3.158 ug/ml
17) TZ Benzo[k] fluoranthene	16.15	199622	1.512 ug/ml
18) TZ Benzo[a] pyrene	16.78	284251	2.351 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.09	244061	3.320 ug/ml
20) TZ Dibenz [a,h] anthracene	19.09	244061	1.300 ug/ml
21) TZ Benzo(g,h,i) perylene	19.59	230491	1.927 ug/ml
22) XH c11-c22	11.73	15705971	~~64~~.650 ug/ml

21.441

8/15/10

(f)=RT Delta > 1/2 Window (m)=manual int.

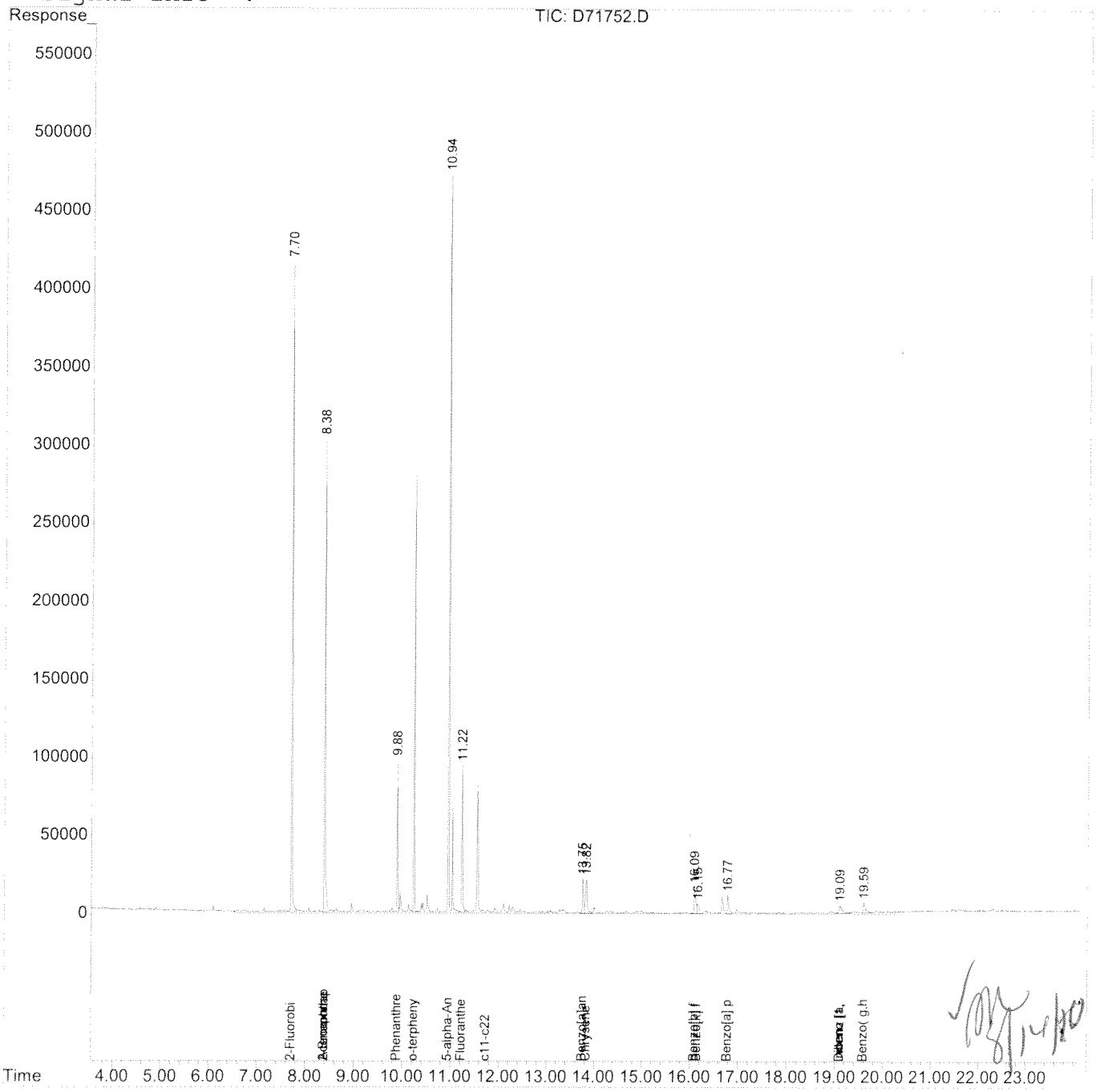
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081210-D\D71752.D
Acq On : 12 Aug 2010 4:50 pm
Sample : 67494-5
Misc : SOIL,ARO
IntFile : autoint1.e
Quant Time: Aug 12 18:01 2010 Quant Results File: ARG80410.RES

Vial: 13
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 12 14:04:53 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081210-D\D71750.D Vial: 11
Acq On : 12 Aug 2010 3:50 pm Operator: AR/NP
Sample : 67494-5 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 12 17:49 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 12 14:06:54 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

081210

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.94	5738654	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.03	2953002	8.385 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	41.93% 42
Target Compounds			
2) TZM C-9	4.14	6249	<MDL ug/ml
3) TZM C-10	5.11	5430	<MDL ug/ml
4) TZM C-12	6.61	28630	<MDL ug/ml
5) TZM C-14	7.78	41374	<MDL ug/ml
6) TZM C-16	8.81	38476	<MDL ug/ml
7) TZM C-18	9.72	16884	<MDL ug/ml
8) XH C9-C18	7.53	2962006	7.773 ug/ml
9) TZM C-19	10.14	13924	<MDL ug/ml
10) TZM C-20	10.58	29840	<MDL ug/ml
12) TZM C-22	11.60	23805	<MDL ug/ml
13) TZM C-24	12.92	30293	<MDL ug/ml
14) TZM C-26	14.44	20113	<MDL ug/ml
15) TZM C-28	15.98	6544	<MDL ug/ml
16) TZM C-30	17.48	14500	<MDL ug/ml
17) TZM C-36	21.56	5856	4.074 ug/ml
18) XH C19-C36	12.05	7119680	22.519 ug/ml

4.430/17.205

8/14/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

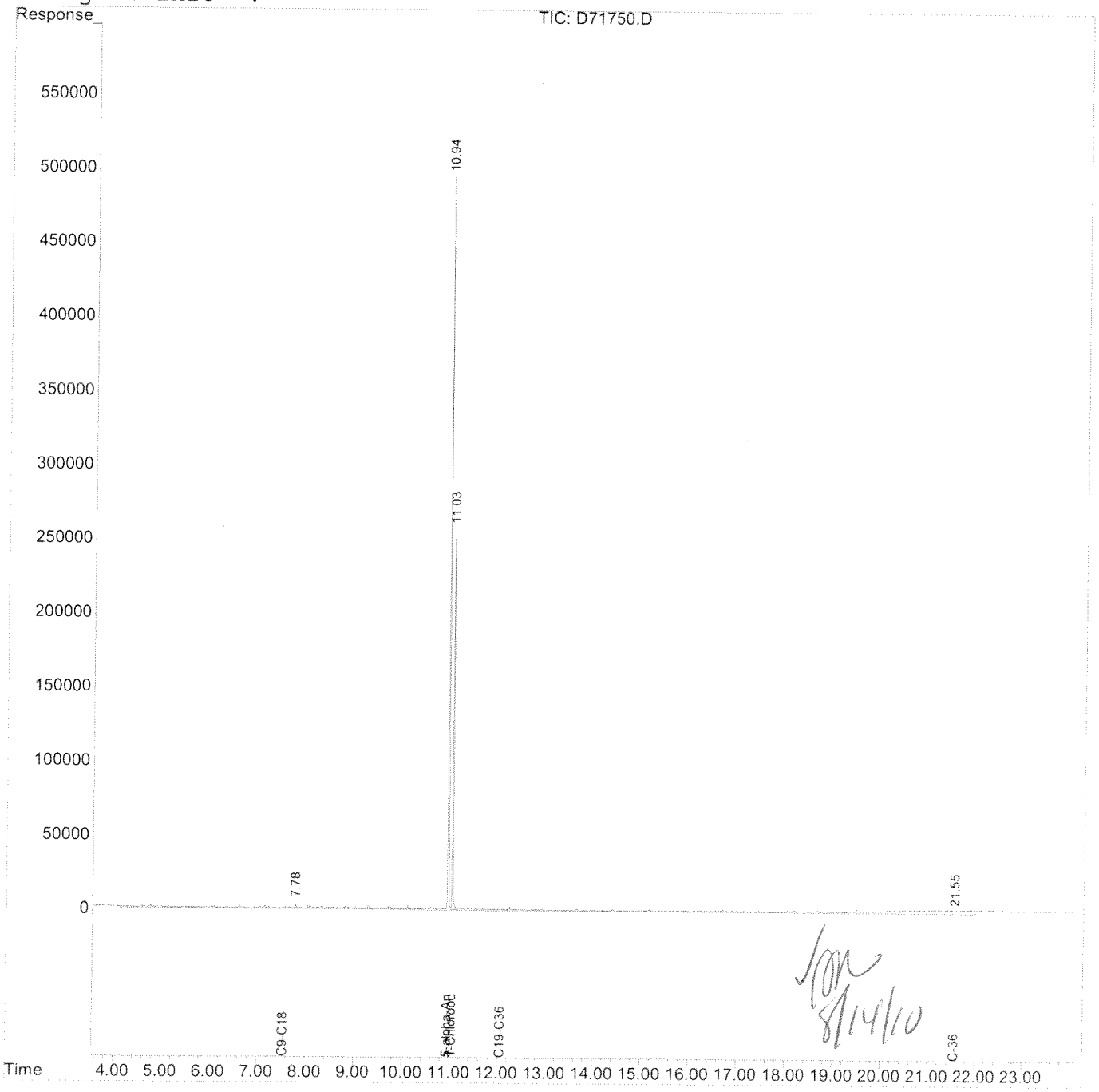
Data File : D:\HPCHEM\1\DATA\081210-D\D71750.D
Acq On : 12 Aug 2010 3:50 pm
Sample : 67494-5
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 12 17:49 2010 Quant Results File: ALG80410.RES

Vial: 11
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 12 14:06:54 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

081210

Volume Inj. :
Signal Phase :
Signal Info :



8/14/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

August 18, 2010

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Client Sample ID: FDS-5

SAMPLE DATA

Lab Sample ID: 67494-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.0
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Extraction Date: 08/11/10
Analysis Date: 08/12/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27500	µg/kg	U
Diesel PAH Analytes	Naphthalene	275	µg/kg	U
	2-Methylnaphthalene	275	µg/kg	U
	Phenanthrene	275	µg/kg	U
	Acenaphthene	275	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	275	µg/kg	U
	Fluorene	275	µg/kg	U
	Anthracene	275	µg/kg	U
	Fluoranthene	275	µg/kg	U
	Pyrene	275	µg/kg	U
	Benzo[a]anthracene	275	µg/kg	U
	Chrysene	275	µg/kg	U
	Benzo[b]fluoranthene	275	µg/kg	U
	Benzo[k]fluoranthene	275	µg/kg	U
	Benzo[a]pyrene	275	µg/kg	U
	Indeno[1,2,3-cd]pyrene	275	µg/kg	U
	Dibenzo[a,h]anthracene	275	µg/kg	U
	Benzo[g,h,i]perylene	275	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27500	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27500	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27500	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				46
Aromatic Surrogate % Recovery (O-Terphenyl)				62
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				81
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				78
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL REPORT

Sample Name: 67494-6

5 8-1310

Dilution Factors	ARO 1.03		ALI 1.03
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		27592
Naphthalene	U		276
2-Methylnaphthalene	U		276
Phenanthrene	U		276
Acenaphthene	U		276
Acenaphthylene	U		276
Fluorene	U		276
Anthracene	U		276
Fluoranthene	U		276
Pyrene	U		276
Benzo[a]anthracene	U		276
Chrysene	U		276
Benzo[b] fluoranthene	U		276
Benzo[k] fluoranthene	U		276
Benzo[a] pyrene	U		276
Indeno [1,2,3-cd] pyrene	U ~~247~~	J	276
Dibenz [a,h] anthracene	U	5 8-1310	276
Benzo(g,h,i) perylene	U		276
C9-C18 Aliphatics	U		27592
C19-C36 Aliphatics	U		27592
C11-C22 Aromatics	U		27592
1-Chlorooctadecane (Ali)	46%		40-140% PASS
o-terphenyl (Aro)	62%		40-140% PASS
2-Fluorobiphenyl (Fraction)	81%		40-140% PASS
2-Bromonaphthalene (Fraction)	78%		40-140% PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	D71753.D	---------
Date Acquired	8/12/2010 5:20	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.78**	15.78
% Solid (divided by 100)	**0.9187**	0.9187
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	1
Calculation Factor	137.9588	137.9588

RAW DATA **AROMATICS**	Raw Inst. Amount ug/mL	J Flag Inst MDL	Final Inst Amount	Calculated Sample Amt ug/kg	Calibration Fit
Naphthalene	0.00	1.00	0.00	0	Avg RF
2-Methylnaphthalene	0.09	1.00	0.00	0	Avg RF
Acenaphthylene	0.00	1.00	0.00	0	Avg RF
Acenaphthene	0.01	1.00	0.00	0	Avg RF
Fluorene	0.00	1.00	0.00	0	Avg RF
Phenanthrene	0.48	1.00	0.00	0	Avg RF
Anthracene	0.46	1.00	0.00	0	Avg RF
Fluoranthene	0.44	1.00	0.00	0	Avg RF
Pyrene	0.39	1.00	0.00	0	Avg RF
Benzo[a]anthracene	0.14	1.00	0.00	0	Avg RF
Chrysene	0.36	1.00	0.00	0	Avg RF
Benzo[b] fluoranthene	0.00	1.00	0.00	0	Quadratic
Benzo[k] fluoranthene	0.08	1.00	0.00	0	Avg RF
Benzo[a] pyrene	0.83	1.00	0.00	0	Quadratic
Indeno [1,2,3-cd] pyrene	1.79	1.00	1.79	247	Quadratic
Dibenz [a,h] anthracene	0.00	1.00	0.00	0	Quadratic
Benzo(g,h,i) perylene	0.72	1.00	0.00	0	Quadratic
C11-C22	**34.405**		C11-C22	1788	
ARO Hexane Blank	**21.441**				
Adjusted C11-C22	Not really crossed out		Adj C11-C22	1542	
ALIPHATICS					
C9-C18	**12.266**		C9-C18	1081	
C9-C18 Hexane Blank	**4.430**				
C19-C36	**24.163**		C19-C36	959	
C19-C36 Hexane Blank	**17.209**				
Surrogates					
1-Chlorooctadecane (Ali)	**9.268**			46%	
2-Fluorobiphenyl (Fraction)	16.10			81%	
2-Bromonaphthalene (Fraction)	15.66			78%	
o-terphenyl (Aro)	12.46			62%	

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081210-D\D71753.D
Acq On : 12 Aug 2010 5:20 pm
Sample : 67494-6
Misc : SOIL,ARO
MS Integration Params: RTEINT.P
Quant Time: Aug 12 17:57 2010

Vial: 14
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

JEA 210

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.94	95	31578	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.70	172	134519	16.10 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	80.50%	80
10) 2-Bromonaphthalene	8.38	206	54177	15.66 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	78.30%	78
11) o-terphenyl	10.23	230	60962	12.46 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	62.30%	62
Target Compounds					Qvalue
~~18)~~ Benzo[b] fluoranthene	16.12	252	1599	~~1.60 ug/ml#~~	67
~~19)~~ Indeno [1,2,3-cd] pyrene	19.14	276	157 NM	~~1.79 ug/ml#~~	58

15.78
2.0mL
91.07

8/14/10

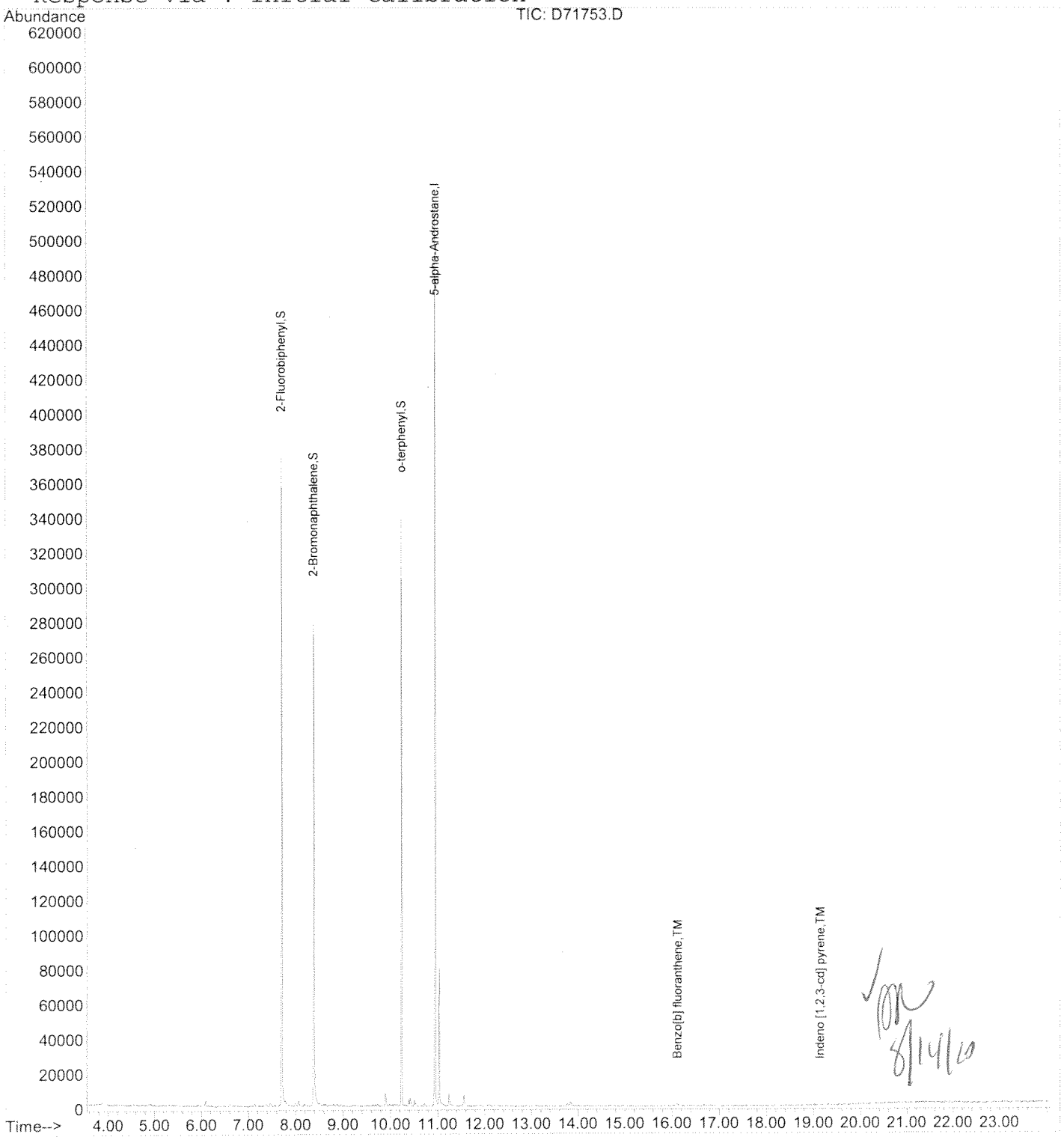
(#) = qualifier out of range (m) = manual integration
D71753.D ARM80410.M Thu Aug 12 17:57:32 2010

Quantitation Report

Data File : D:\HPCHEM\1\DATA\081210-D\D71753.D Vial: 14
Acq On : 12 Aug 2010 5:20 pm Operator: AR/NP
Sample : 67494-6 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 12 17:57 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration

081210



8/14/10

D71753.D ARM80410.M Thu Aug 12 17:57:33 2010 Page 2

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081210-D\D71753.D
Acq On : 12 Aug 2010 5:20 pm
Sample : 67494-6
Misc : SOIL,ARO
IntFile : autoint1.e
Quant Time: Aug 12 18:02 2010 Quant Results File: ARG80410.RES

Vial: 14
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 12 14:04:53 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

SEI210

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.94	5936729	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.70	4448514	15.186 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	75.93%
10) S 2-Bromonaphthalene	8.38	3668249	18.010 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	90.05%
11) S o-terphenyl	10.23	3313106	11.917 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	59.59%
Target Compounds			
2) TZ Naphthalene	6.61	43561	<MDL ug/ml
3) TZ 2-Methylnaphthalene	7.31	19090	<MDL ug/ml
4) TZ Acenaphthylene	8.22	3038	<MDL ug/ml
5) TZ Acenaphthene	8.38	3668249	10.623 ug/ml
6) TZ Fluorene	8.96	27703	<MDL ug/ml
7) TZ Phenanthrene	9.90	119223	<MDL ug/ml
8) TZ Anthracene	9.90	119223	<MDL ug/ml
12) TZ Fluoranthene	11.24	124954	<MDL ug/ml
13) TZ Pyrene	11.50	3429	<MDL ug/ml
14) TZ Benzo[a]anthracene	13.77	30109	1.299 ug/ml
15) TZ Chrysene	13.84	68198	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	16.08	8755	1.273 ug/ml
17) TZ Benzo[k] fluoranthene	16.18	17424	<MDL ug/ml
18) TZ Benzo[a] pyrene	16.75	13399	1.060 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.10	14152	2.073 ug/ml
20) TZ Dibenz [a,h] anthracene	19.14	6224	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	19.59	4960	<MDL ug/ml
22) XH c11-c22	11.73	8901004	~~34.405~~ ug/ml

21.441

(f)=RT Delta > 1/2 Window (m)=manual int.

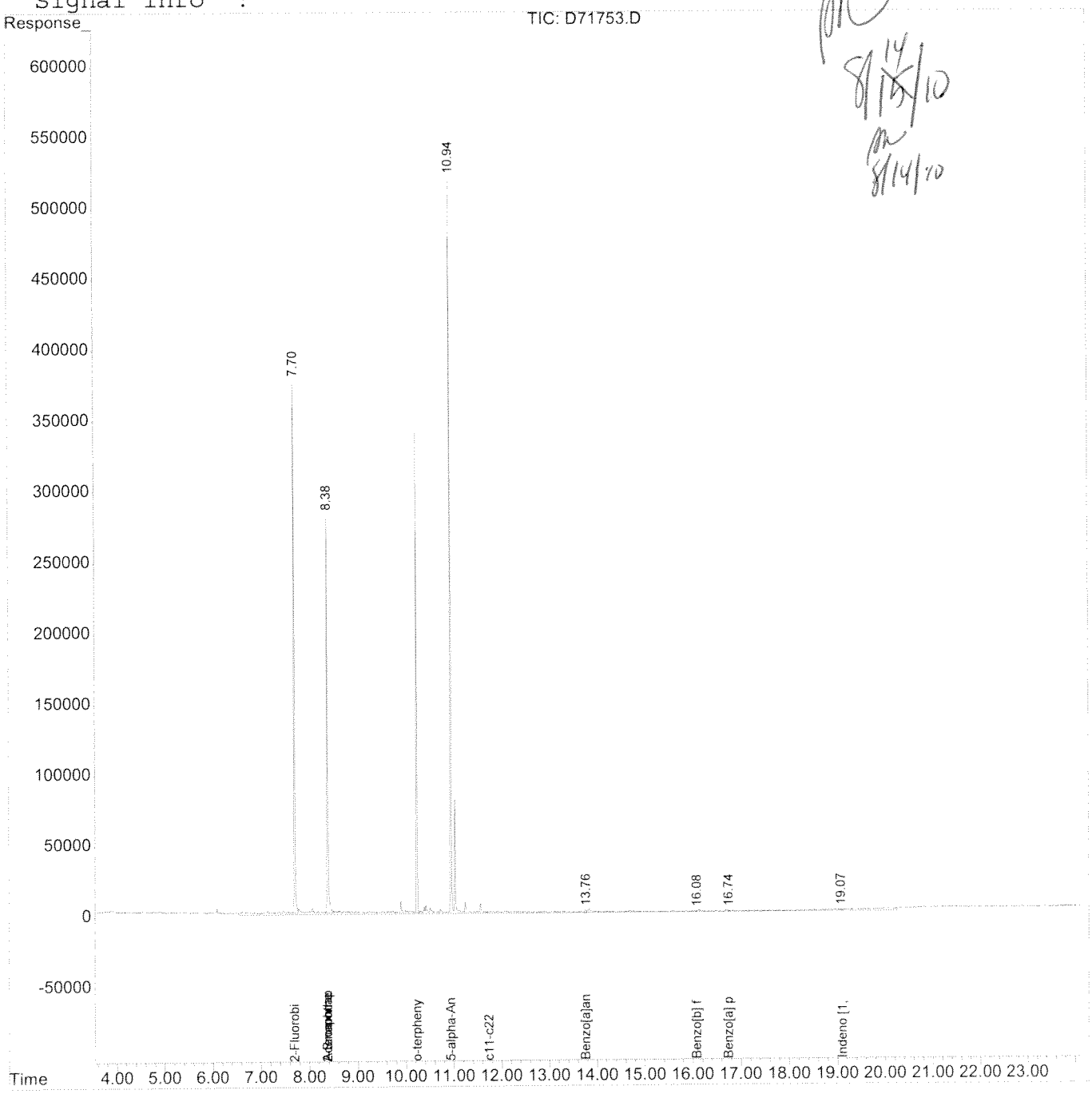
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081210-D\D71753.D
Acq On : 12 Aug 2010 5:20 pm
Sample : 67494-6
Misc : SOIL,ARO
IntFile : autoint1.e
Quant Time: Aug 12 18:02 2010 Quant Results File: ARG80410.RES

Vial: 14
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 12 14:04:53 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



14
8/14/10
8/14/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081210-D\D71751.D
Acq On : 12 Aug 2010 4:20 pm
Sample : 67494-6
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 12 17:49 2010 Quant Results File: ALG80410.RES

Vial: 12
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 12 14:06:54 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

081210

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.94	5905835	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.03	3358846	9.268 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	46.34% 46
Target Compounds			
2) TZM C-9	4.17	44280	<MDL ug/ml
3) TZM C-10	5.14	53148	<MDL ug/ml
4) TZM C-12	6.61	138426	<MDL ug/ml
5) TZM C-14	7.78	120500	<MDL ug/ml
6) TZM C-16	8.80	57950	<MDL ug/ml
7) TZM C-18	9.72	71651	<MDL ug/ml
8) XH C9-C18	7.53	4809933	12.266 ug/ml
9) TZM C-19	10.14	36809	<MDL ug/ml
10) TZM C-20	10.58	45393	<MDL ug/ml
12) TZM C-22	11.60	65294	<MDL ug/ml
13) TZM C-24	12.91	66142	<MDL ug/ml
14) TZM C-26	14.40	33312	<MDL ug/ml
15) TZM C-28	15.99	20157	<MDL ug/ml
16) TZM C-30	17.48	10934	<MDL ug/ml
17) TZM C-36	21.52	33288	4.199 ug/ml
18) XH C19-C36	12.05	7862146	24.163 ug/ml

4.430 / 17.205

8/14/10

(f)=RT Delta > 1/2 Window (m)=manual int.

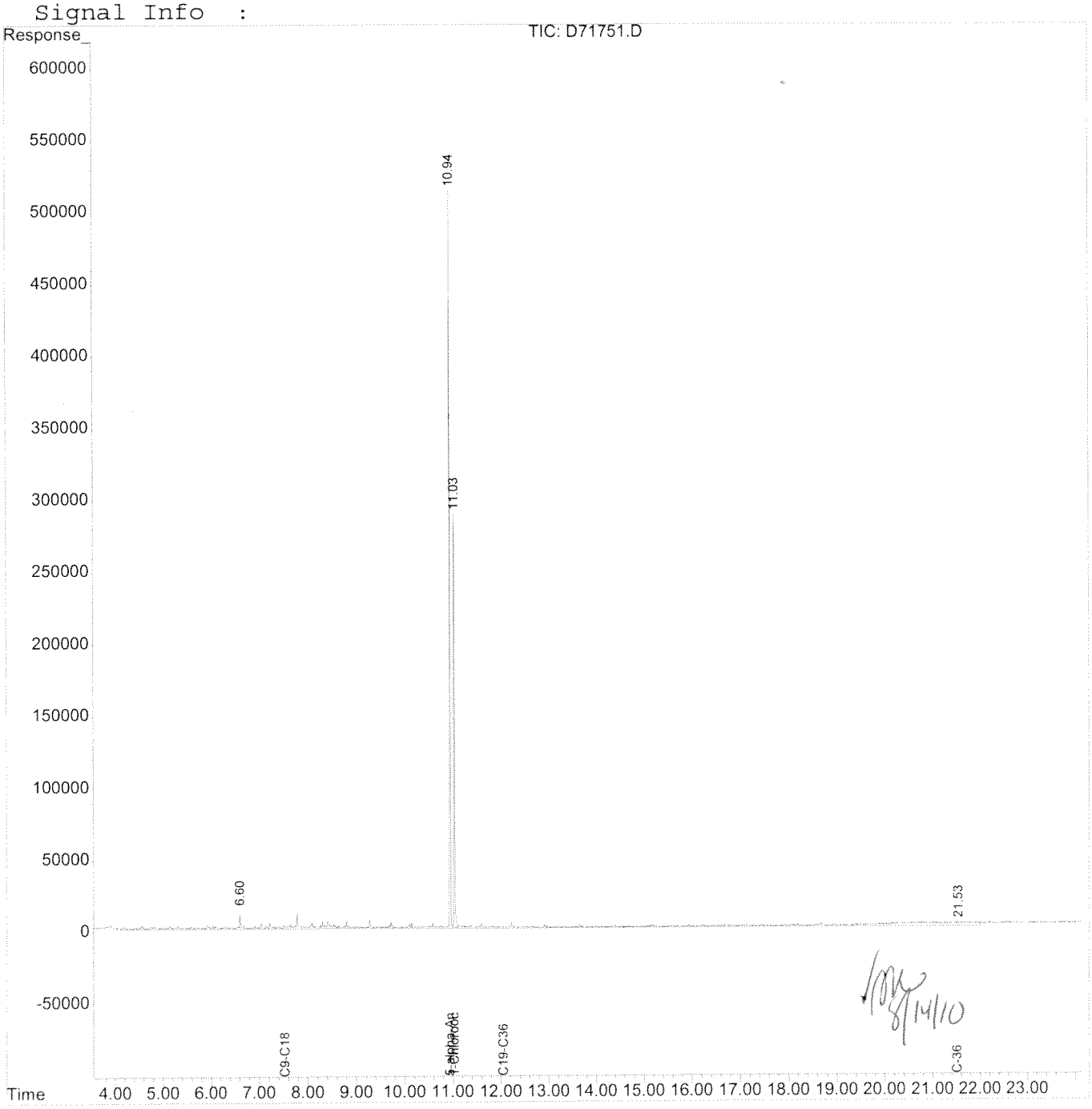
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081210-D\D71751.D
Vial: 12
Acq On : 12 Aug 2010 4:20 pm
Operator: AR/NP
Sample : 67494-6
Inst : GC/MS Ins
Misc : SOIL,ALI
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 12 17:49 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 12 14:06:54 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

381210

Volume Inj. :
Signal Phase :
Signal Info :



8/14/10

EPH
QC FORMS

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494

SAMPLE ID	SMC 1 (%)	#
B080110EASE	56	
L080110EASE	61	
LD08110EASE	66	
67494-5	42	
67494-6	46	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B08110EASE	79		76		83	
L08110EASE	82		77		87	
LD08110EASE	85		83		89	
67494-5	88		83		59	
67494-6	81		78		62	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B081110EASE,RR	77		69		76	
L081110EASE,RR	82		68		77	
LD081110EASE,RR	87		74		83	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

8/12/10

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B080110EASE
Spike: L080110EASE
Spike duplicate: LD08110EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3333	3333	30	140	25	0	1903	57		1901	57		0	
C-10	3333	3333	40	140	25	0	2215	66		2237	67		1	
C-12	3333	3333	40	140	25	0	2379	71		2382	71		0	
C-14	3333	3333	40	140	25	0	2457	74		2551	77		4	
C-16	3333	3333	40	140	25	0	2639	79		2673	80		1	
C-18	3333	3333	40	140	25	0	2663	80		2716	81		2	
C-19	3333	3333	40	140	25	0	2639	79		2719	82		3	
C-20	3333	3333	40	140	25	0	2634	79		2714	81		3	
C-22	3333	3333	40	140	25	0	2603	78		2710	81		4	
C-24	3333	3333	40	140	25	0	2481	74		2684	81		8	
C-26	3333	3333	40	140	25	0	2439	73		2685	81		10	
C-28	3333	3333	40	140	25	0	2463	74		2783	84		12	
C-30	3333	3333	40	140	25	0	2412	72		2715	81		12	
C-36	3333	3333	40	140	25	0	2234	67		2706	81		19	

C9-C18 Aliphatics	20000	20000	40	140	25	0	14257	71		14460	72		1	
C19-C36 Aliphatics	26667	26667	40	140	25	0	19902	75		21716	81		9	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VMT 8/16/10

EPH ALI FORM 3

Data File : D:\HPCHEM\1\DATA\081210-D\D71745Q.D
Acq On : 12 Aug 2010 1:09 pm
Sample : L080110EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 12 14:05 2010 Quant Results File: ALG80410.RES

Vial: 6
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.94	5494028	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.03	4138957	12.276 ug/ml
Spiked Amount 20.000	Range 40 - 140	Recovery =	61.38%
Target Compounds			
2) TZM C-9	4.15	4868878	14.272 ug/ml
3) TZM C-10	5.13	5795957	16.613 ug/ml
4) TZM C-12	6.60	6685863	17.845 ug/ml
5) TZM C-14	7.78	7081879	18.430 ug/ml
6) TZM C-16	8.80	7342492	19.795 ug/ml
7) TZM C-18	9.72	7369102	19.974 ug/ml
8) XH C9-C18	7.53	42620965	116.832 ug/ml
9) TZM C-19	10.14	7223807	19.794 ug/ml
10) TZM C-20	10.58	7058566	19.736 ug/ml
12) TZM C-22	11.60	6916585	19.521 ug/ml
13) TZM C-24	12.91	6326825	18.604 ug/ml
14) TZM C-26	14.40	5763001	18.296 ug/ml
15) TZM C-28	15.94	5105634	18.472 ug/ml
16) TZM C-30	17.45	4502221	18.092 ug/ml
17) TZM C-36	21.52	2646866	16.751 ug/ml
18) XH C19-C36	12.05	52996472	175.087 ug/ml

VMT 8/16/10

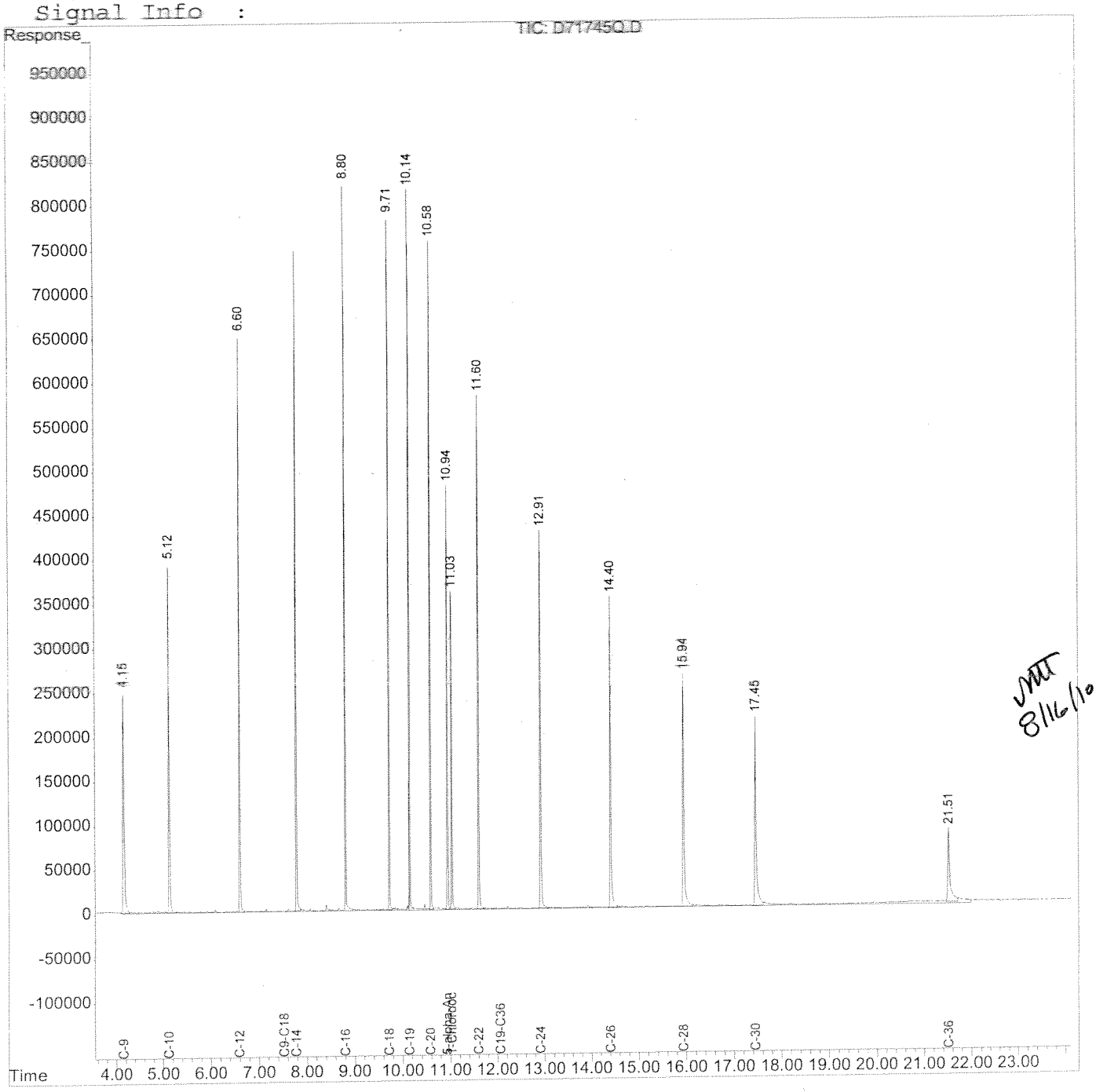
(f)=RT Delta > 1/2 Window
(m)=manual int.

Data File : D:\HPCHEM\1\DATA\081210-D\D71745Q.D
Acq On : 12 Aug 2010 1:09 pm
Sample : L080110EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 12 14:05 2010 Quant Results File: ALG80410.RES

Vial: 6
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Data File : D:\HPCHEM\1\DATA\081210-D\D71746Q.D
Acq On : 12 Aug 2010 1:50 pm
Sample : LD08110EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 12 17:49 2010 Quant Results File: ALG80410.RES

Vial: 7
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 12 14:06:54 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

081210

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.94	5734896	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.03	4674059	13.281 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	66.41%
Target Compounds			
2) TZM C-9	4.16	5076846	14.256 ug/ml
3) TZM C-10	5.13	6111282	16.781 ug/ml
4) TZM C-12	6.60	6986906	17.865 ug/ml
5) TZM C-14	7.78	7673653	19.131 ug/ml
6) TZM C-16	8.80	7763340	20.051 ug/ml
7) TZM C-18	9.72	7844592	20.369 ug/ml
8) XH C9-C18	7.53	45378113	119.166 ug/ml
9) TZM C-19	10.15	7767556	20.390 ug/ml
10) TZM C-20	10.59	7598065	20.352 ug/ml
12) TZM C-22	11.60	7518477	20.329 ug/ml
13) TZM C-24	12.92	7144988	20.127 ug/ml
14) TZM C-26	14.41	6620439	20.135 ug/ml
15) TZM C-28	15.95	6023223	20.876 ug/ml
16) TZM C-30	17.45	5288806	20.360 ug/ml
17) TZM C-36	21.52	3561452	20.297 ug/ml
18) XH C19-C36	12.05	53485468	169.281 ug/ml

VMT 8/16/10

(f)=RT Delta > 1/2 Window (m)=manual int.
D71746Q.D ALG80410.M Thu Aug 12 17:49:43 2010 Page 1

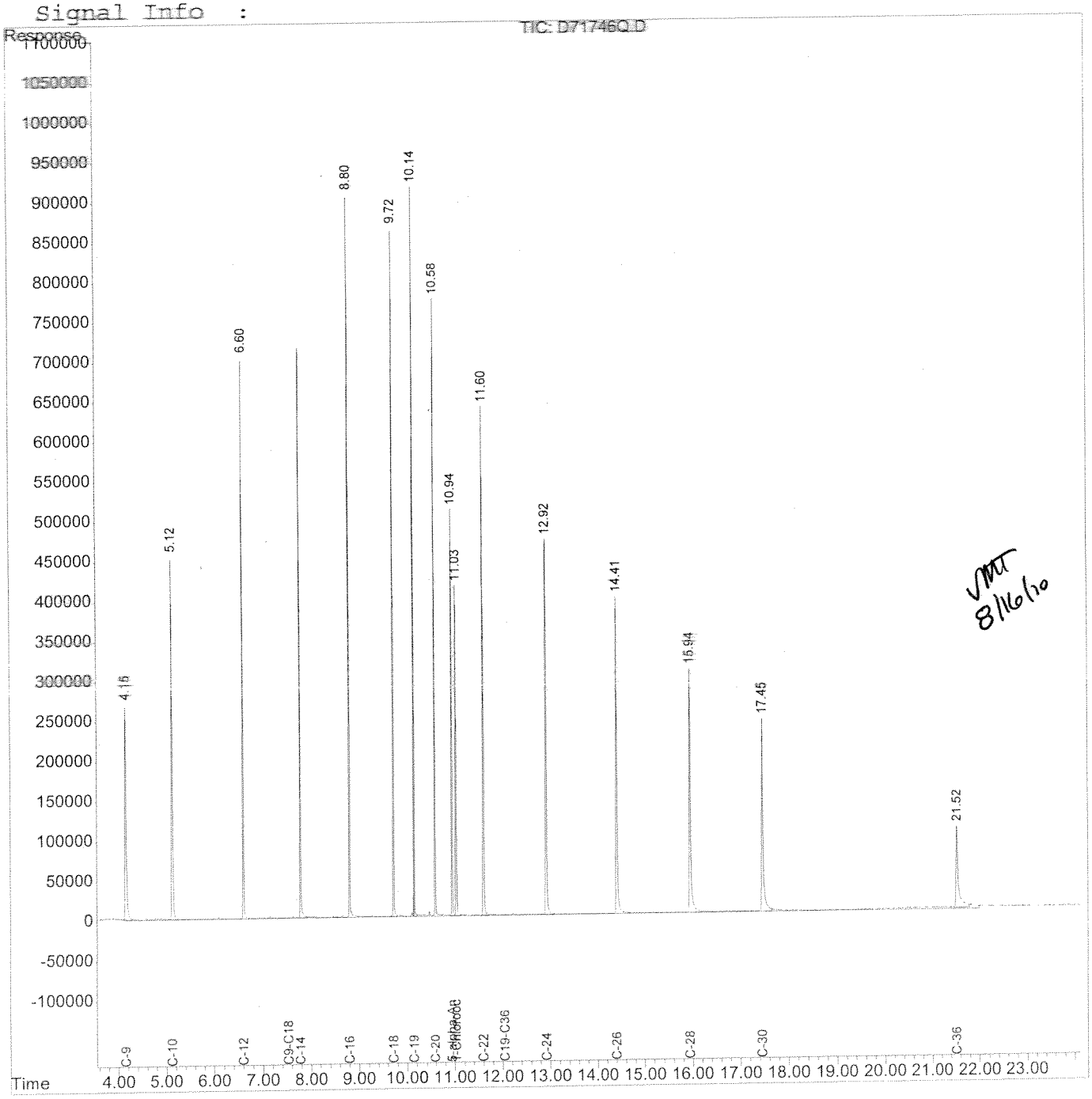
Data File : D:\HPCHEM\1\DATA\081210-D\D71746Q.D
Acq On : 12 Aug 2010 1:50 pm
Sample : LD08110EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 12 17:49 2010 Quant Results File: ALG80410.RES

Vial: 7
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 12 14:06:54 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

081210

Volume Inj. :
Signal Phase :
Signal Info :



VMT 8/16/10

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: L080110EASE
Aromatic LCS: L08110EASE

081310

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	16.8	0.0	
2-Methylnaphthalene	0	5	0.00	17.3	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VMT
8/16/10

Data File : D:\HPCHEM\1\DATA\081210-D\D71745Q.D
Acq On : 12 Aug 2010 1:09 pm
Sample : L080110EASE
Misc : SOIL,ALI
MS Integration Params: RTEINT.P
Quant Time: Aug 12 18:05 2010

Vial: 6
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

581310

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.94	95	29031 ✓	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	0.00	172	0	0.00 ug/ml	
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
10) 2-Bromonaphthalene	8.40	206	2495	0.78 ug/ml	0.02
Spiked Amount 20.000	Range 40 - 140		Recovery	= 3.90%#	
11) o-terphenyl	0.00	230	0	0.00 ug/ml	
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
Target Compounds					Qvalue
16) Benzo[b] fluoranthene	15.94	252	98	1.41 ug/ml#	1

VMT
8/16/10

(#) = qualifier out of range (m) = manual integration
D71745Q.D ARM80410.M Thu Aug 12 18:05:30 2010 Page 1

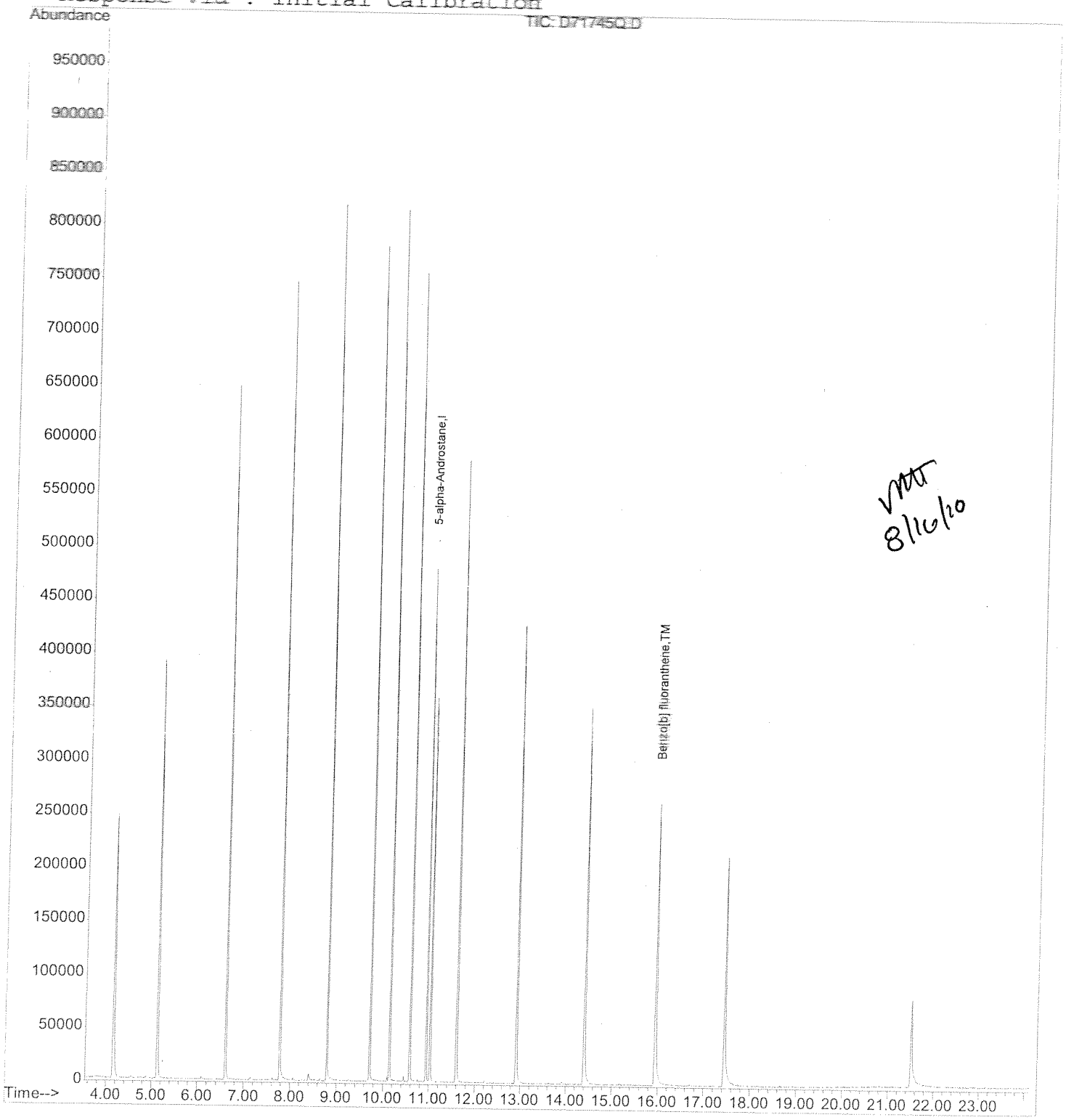
Data File : D:\HPCHEM\1\DATA\081210-D\D71745Q.D
Acq On : 12 Aug 2010 1:09 pm
Sample : L080110EASE
Misc : SOIL,ALI
MS Integration Params: RTEINT.P
Quant Time: Aug 12 18:05 2010

Vial: 6
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RI

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration

081310



VMT 8/16/10

D71745Q.D ARM80410.M Thu Aug 12 18:05:31 2010 Page 2

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

581310

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: LD08110EASE
Aromatic LCS: LD08110EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	17.9	0.0	
2-Methylnaphthalene	0	5	0.00	18.1	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VMT
8/16/10

Data File : D:\HPCHEM\1\DATA\081210-D\D71746Q.D
Acq On : 12 Aug 2010 1:50 pm
Sample : LD08110EASE
Misc : SOIL,ALI
MS Integration Params: RTEINT.P
Quant Time: Aug 12 18:05 2010

Vial: 7
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

J81310

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.94	95	30273	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	0.00	172	0	0.00 ug/ml	
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
10) 2-Bromonaphthalene	8.43	206	457	0.14 ug/ml	0.05
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.70%#	
11) o-terphenyl	0.00	230	0	0.00 ug/ml	
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	

Target Compounds					Qvalue
16) Benzo[b] fluoranthene	15.95	252	56	1.41 ug/ml#	1

VMT 8/16/10

(#) = qualifier out of range (m) = manual integration
D71746Q.D ARM80410.M Thu Aug 12 18:05:39 2010

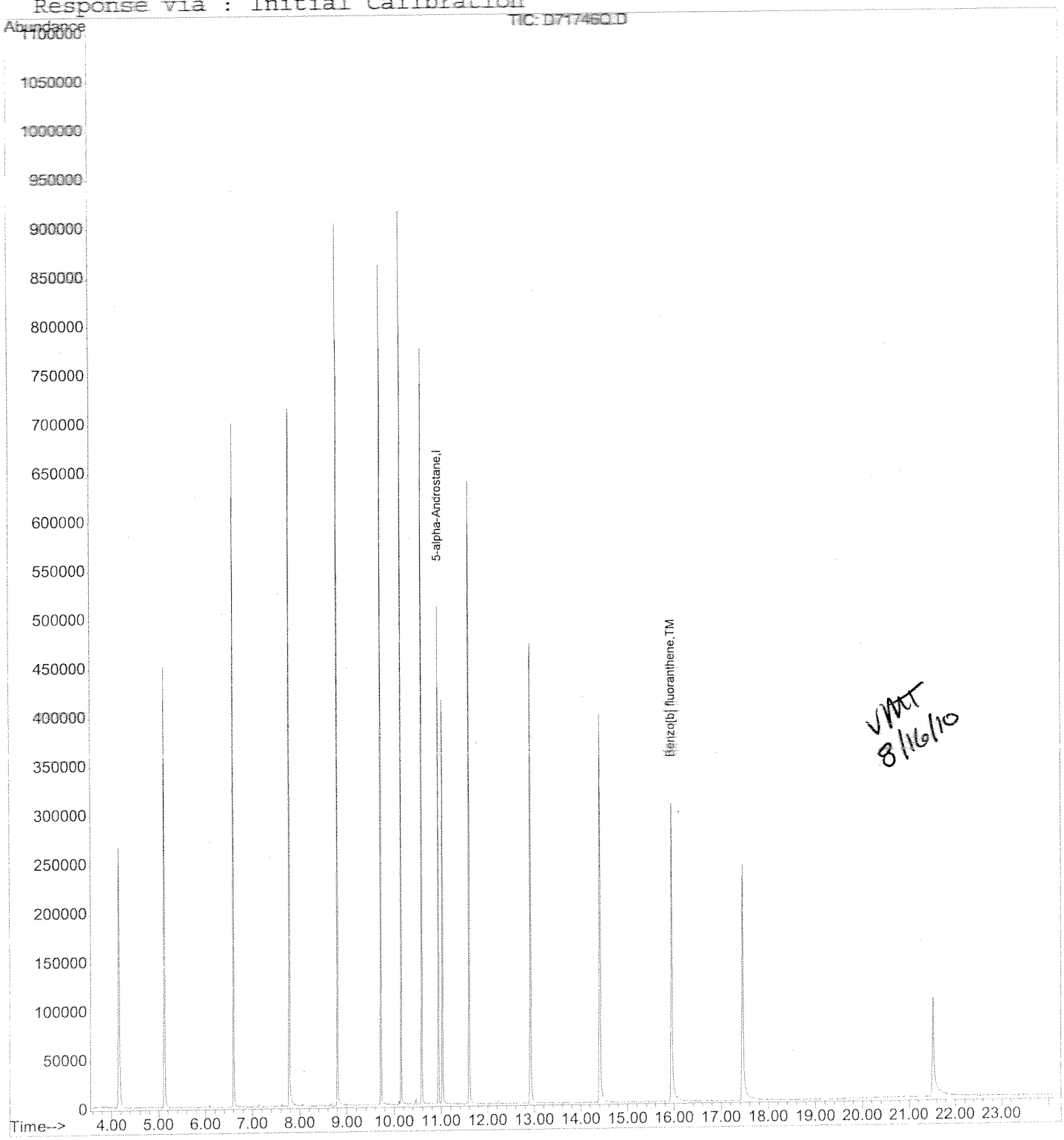
Data File : D:\HPCHEM\1\DATA\081210-D\D71746Q.D
Acq On : 12 Aug 2010 1:50 pm
Sample : LD08110EASE
Misc : SOIL,ALI
MS Integration Params: RTEINT.P
Quant Time: Aug 12 18:05 2010

Vial: 7
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration

JCL 6/10



VMT 8/16/10

EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

081210

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B08110EASE
Spike: L08110EASE
Spike duplicate: LD08110EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3333	3333	40	140	30	0	2236	67		2386	72		6	
2-Methylnaphthalene	3333	3333	40	140	30	0	2303	69		2420	73		5	
Acenaphthylene	3333	3333	40	140	30	0	2403	72		2588	78		7	
Acenaphthene	3333	3333	40	140	30	0	2439	73		2574	77		5	
Fluorene	3333	3333	40	140	30	0	2610	78		2608	78		0	
Phenanthrene	3333	3333	40	140	30	0	2730	82		2813	84		3	
Anthracene	3333	3333	40	140	30	0	2799	84		2796	84		0	
Fluoranthene	3333	3333	40	140	30	0	2700	81		2830	85		5	
Pyrene	3333	3333	40	140	30	0	2773	83		2910	87		5	
Benzo[a]anthracene	3333	3333	40	140	30	0	2876	86		2904	87		1	
Chrysene	3333	3333	40	140	30	0	2806	84		2794	84		0	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	2646	79		2708	81		2	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	2851	86		2804	84		2	
Benzo[a] pyrene	3333	3333	40	140	30	0	2696	81		2825	85		5	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	2727	82		2786	84		2	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	2841	85		2878	86		1	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	2890	87		2886	87		0	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VMT 8/16/10

EPH ARO FORM 3

Data File : D:\HPCHEM\1\DATA\081210-D\D71748Q.D Vial: 9
Acq On : 12 Aug 2010 2:50 pm Operator: AR/NP
Sample : L08110EASE Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 12 17:55 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

58210

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	10.94	95	28385	20.00	ug/ml	0.00

System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.70	172	122929	16.37	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 81.85%			
10) 2-Bromonaphthalene	8.38	206	47936	15.41	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 77.05%			
11) o-terphenyl	10.23	230	76129	17.31	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 86.55%			

Target Compounds						Qvalue
2) Naphthalene	6.65	128	192032	16.77	ug/ml	100
3) 2-Methylnaphthalene	7.34	141	107795	17.27	ug/ml	97
4) Acenaphthylene	8.24	152	194214	18.02	ug/ml	99
5) Acenaphthene	8.41	154	110019	18.29	ug/ml	100
6) Fluorene	8.92	166	136788	19.58	ug/ml	99
7) Phenanthrene	9.88	178	192852	20.48	ug/ml	99
8) Anthracene	9.93	178	205757	21.00	ug/ml	100
12) Fluoranthene	11.22	202	198492	20.25	ug/ml#	91
13) Pyrene	11.54	202	209378	20.80	ug/ml#	90
14) Benzo[a]anthracene	13.74	228	166802	21.57	ug/ml	99
15) Chrysene	13.82	228	171823	21.04	ug/ml	99
16) Benzo[b] fluoranthene	16.08	252	134287	19.84	ug/ml#	93
17) Benzo[k] fluoranthene	16.13	252	148475	21.38	ug/ml#	93
18) Benzo[a] pyrene	16.76	252	128713	20.22	ug/ml#	92
19) Indeno [1,2,3-cd] pyrene	19.07	276	104933	20.45	ug/ml#	81
20) Dibenz [a,h] anthracene	19.12	278	112091	21.31	ug/ml#	87
21) Benzo(g,h,i) perylene	19.57	276	124018	21.68	ug/ml#	78

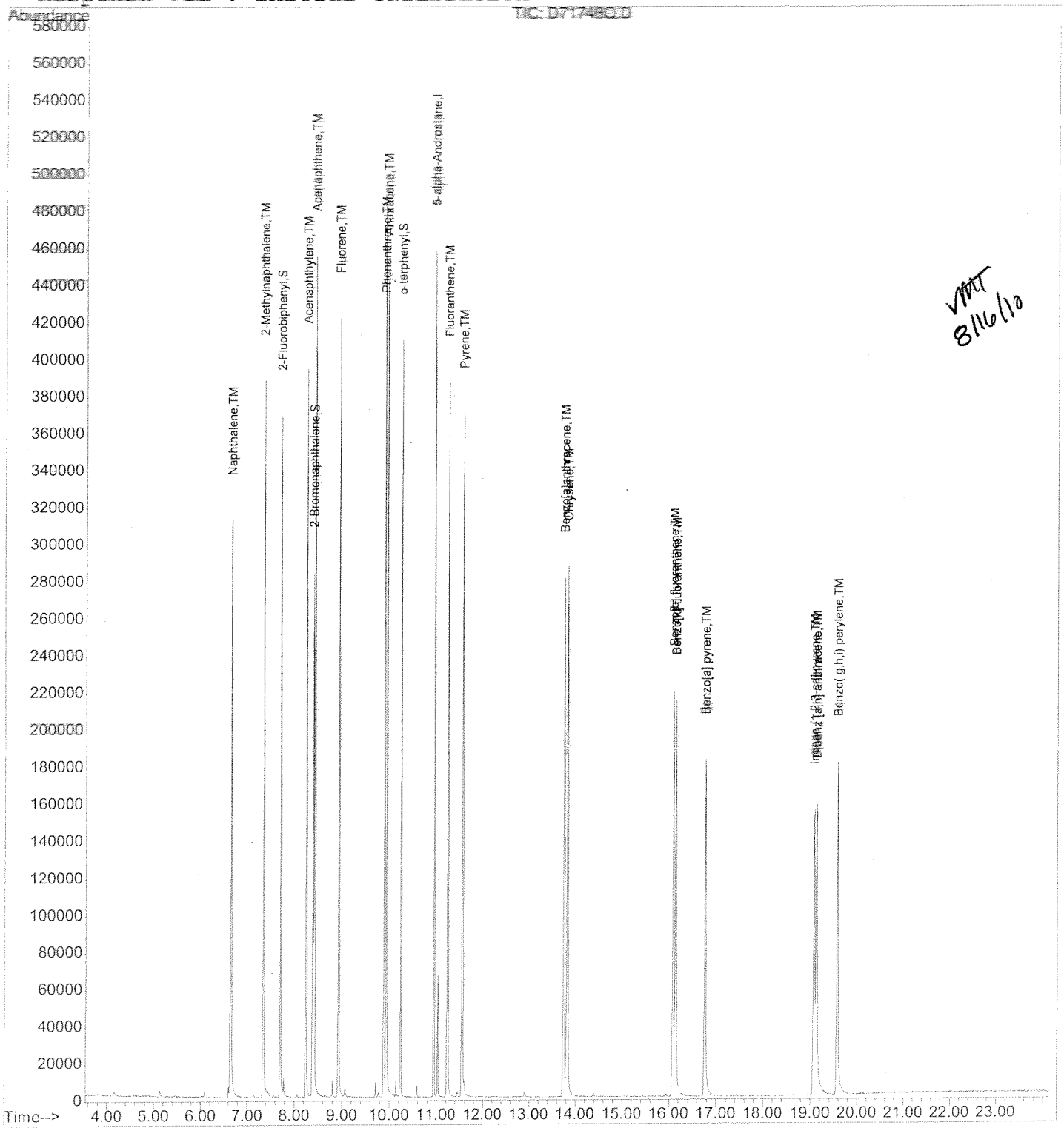
VMT 8/16/10

(#) = qualifier out of range (m) = manual integration
D71748Q.D ARM80410.M Thu Aug 12 17:55:56 2010

Data File : D:\HPCHEM\1\DATA\081210-D\D71748Q.D Vial: 9
Acq On : 12 Aug 2010 2:50 pm Operator: AR/NP
Sample : L08110EASE Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 12 17:55 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration

5 8/12/10



VMT 8/16/10

Data File : D:\HPCHEM\1\DATA\081210-D\D71749Q.D
Acq On : 12 Aug 2010 3:20 pm
Sample : LD08110EASE
Misc : SOIL,ARO
MS Integration Params: RTEINT.P
Quant Time: Aug 12 17:56 2010

Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

081210

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.94	95	26552	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.70	172	119477	17.01 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 85.05%		
10) 2-Bromonaphthalene	8.38	206	48132	16.54 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 82.70%		
11) o-terphenyl	10.23	230	73493	17.87 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 89.35%		

Target Compounds					Qvalue
2) Naphthalene	6.65	128	191687	17.89 ug/ml	99
3) 2-Methylnaphthalene	7.34	141	105948	18.15 ug/ml	98
4) Acenaphthylene	8.24	152	195710	19.41 ug/ml	99
5) Acenaphthene	8.41	154	108636	19.31 ug/ml	99
6) Fluorene	8.92	166	127852	19.56 ug/ml	100
7) Phenanthrene	9.88	178	185892	21.10 ug/ml	99
8) Anthracene	9.93	178	192206	20.97 ug/ml	99
12) Fluoranthene	11.22	202	194603	21.22 ug/ml#	91
13) Pyrene	11.54	202	205553	21.82 ug/ml#	90
14) Benzo[a]anthracene	13.75	228	157562	21.78 ug/ml	99
15) Chrysene	13.82	228	160043	20.95 ug/ml	100
16) Benzo[b] fluoranthene	16.08	252	128843	20.31 ug/ml#	93
17) Benzo[k] fluoranthene	16.13	252	136588	21.03 ug/ml#	93
18) Benzo[a] pyrene	16.76	252	126596	21.19 ug/ml#	92
19) Indeno [1,2,3-cd] pyrene	19.07	276	100457	20.90 ug/ml#	81
20) Dibenz [a,h] anthracene	19.12	278	106288	21.59 ug/ml#	86
21) Benzo(g,h,i) perylene	19.57	276	115842	21.64 ug/ml#	78

VMT 8/16/10

(#) = qualifier out of range (m) = manual integration
D71749Q.D ARM80410.M Thu Aug 12 17:56:03 2010

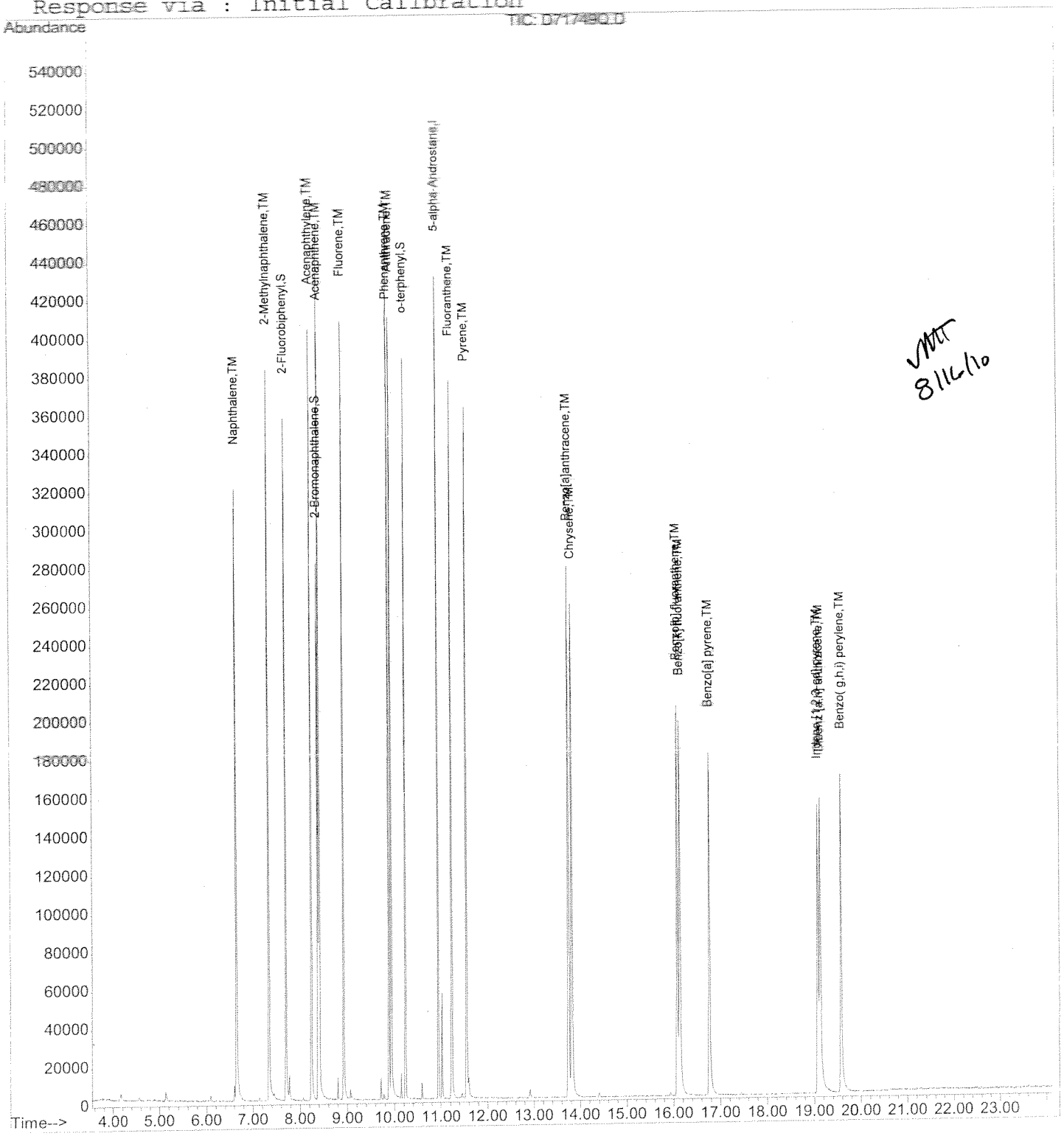
Data File : D:\HPCHEM\1\DATA\081210-D\D71749Q.D
Acq On : 12 Aug 2010 3:20 pm
Sample : LD08110EASE
Misc : SOIL,ARO
MS Integration Params: RTEINT.P
Quant Time: Aug 12 17:56 2010

Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration

081210



VMT 8/16/10

EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

B81570

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B081110EASE,RR
Spike: L081110EASE,RR
Spike duplicate: LD081110EASE,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3333	3333	40	140	30	0	2240	67		2469	74		10	
2-Methylnaphthalene	3333	3333	40	140	30	0	2343	70		2577	77		10	
Acenaphthylene	3333	3333	40	140	30	0	2420	73		2674	80		10	
Acenaphthene	3333	3333	40	140	30	0	2162	65		2359	71		9	
Fluorene	3333	3333	40	140	30	0	2263	68		2469	74		9	
Phenanthrene	3333	3333	40	140	30	0	2630	79		2804	84		6	
Anthracene	3333	3333	40	140	30	0	2699	81		2914	87		8	
Fluoranthene	3333	3333	40	140	30	0	2699	81		2883	86		7	
Pyrene	3333	3333	40	140	30	0	2700	81		2870	86		6	
Benzo[a]anthracene	3333	3333	40	140	30	0	2695	81		2919	88		8	
Chrysene	3333	3333	40	140	30	0	2690	81		2899	87		7	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	2760	83		2898	87		5	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	2698	81		2890	87		7	
Benzo[a] pyrene	3333	3333	40	140	30	0	2706	81		2922	88		8	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	2671	80		2883	86		8	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	2673	80		2867	86		7	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	2728	82		2916	87		7	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VMT
8/16/10

EPH ARO FORM 3

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35339Q.D
Acq On : 14 Aug 2010 10:56 am
Operator : MG/ALR
Sample : L081110EASE,RR
Misc : SOIL,ARO
ALS Vial : 20 Sample Multiplier: 1

081510

Quant Time: Aug 14 17:22:32 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	92626	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	503381	16.42 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 82.10%		
10) 2-Bromonaphthalene	6.080	206	207841	13.58 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 67.90%		
11) o-terphenyl	7.601	230	411636	15.38 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 76.90%		

Target Compounds					Qvalue
2) Naphthalene	4.680	128	613366	16.80 ug/ml	100
3) 2-Methylnaphthalene	5.244	141	372732	17.57 ug/ml	98
4) Acenaphthylene	5.967	152	725538	18.15 ug/ml	100
5) Acenaphthene	6.110	154	422852	16.21 ug/ml	99
6) Fluorene	6.525	166	572142	16.97 ug/ml	99
7) Phenanthrene	7.296	178	863982	19.73 ug/ml	100
8) Anthracene	7.338	178	874361	20.25 ug/ml	99
12) Fluoranthene	8.266	202	1015758	20.24 ug/ml	99
13) Pyrene	8.472	202	1053080	20.25 ug/ml	98
14) Benzo[a]anthracene	9.791	228	940541	20.22 ug/ml	100
15) Chrysene	9.838	228	894056	20.17 ug/ml	99
16) Benzo[b] fluoranthene	11.326	252	864096	20.70 ug/ml	100
17) Benzo[k] fluoranthene	11.377	252	829500	20.24 ug/ml	100
18) Benzo[a] pyrene	11.822	252	814946	20.30 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.600	276	691323	20.03 ug/ml	99
20) Dibenz [a,h] anthracene	13.667	278	675941	20.05 ug/ml	99
21) Benzo(g,h,i) perylene	14.012	276	735254	20.46 ug/ml	99

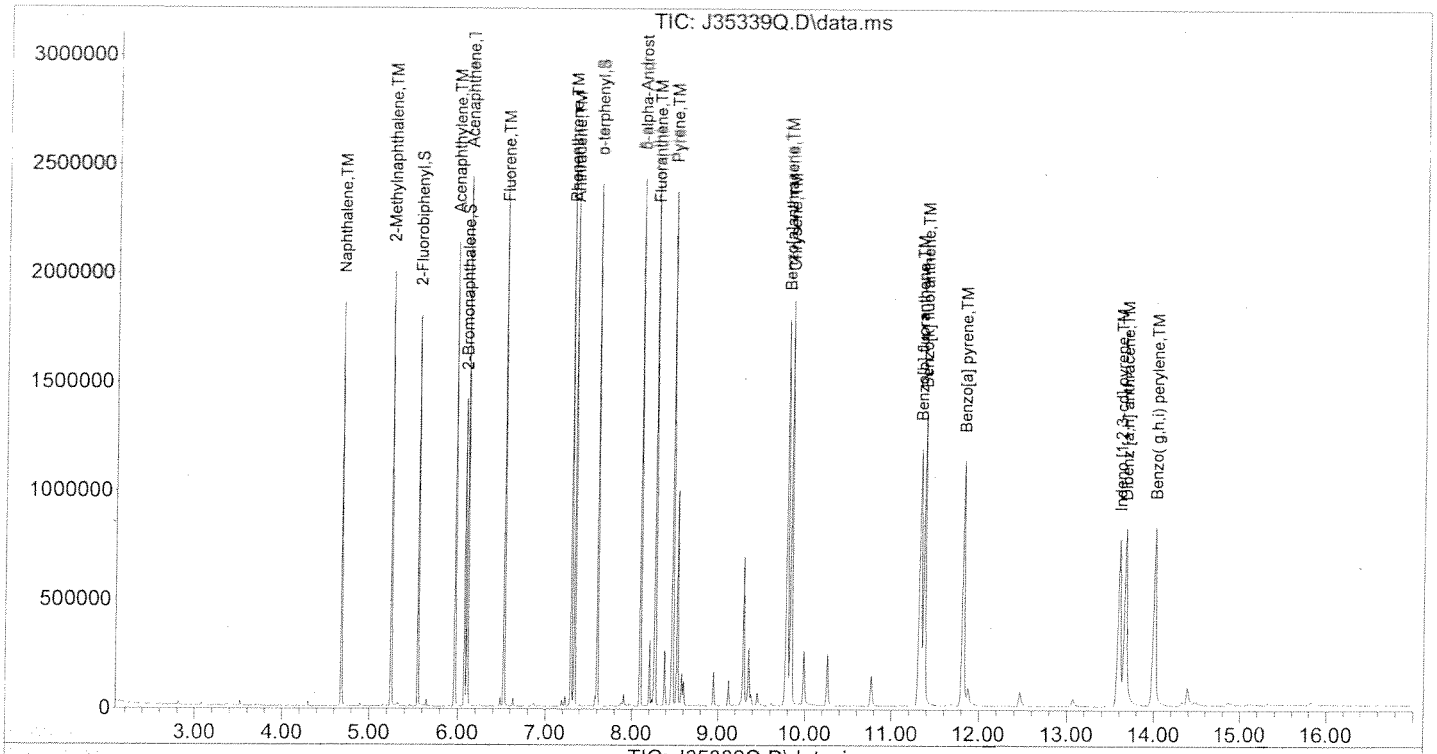
(#) = qualifier out of range (m) = manual integration (+) = signals summed

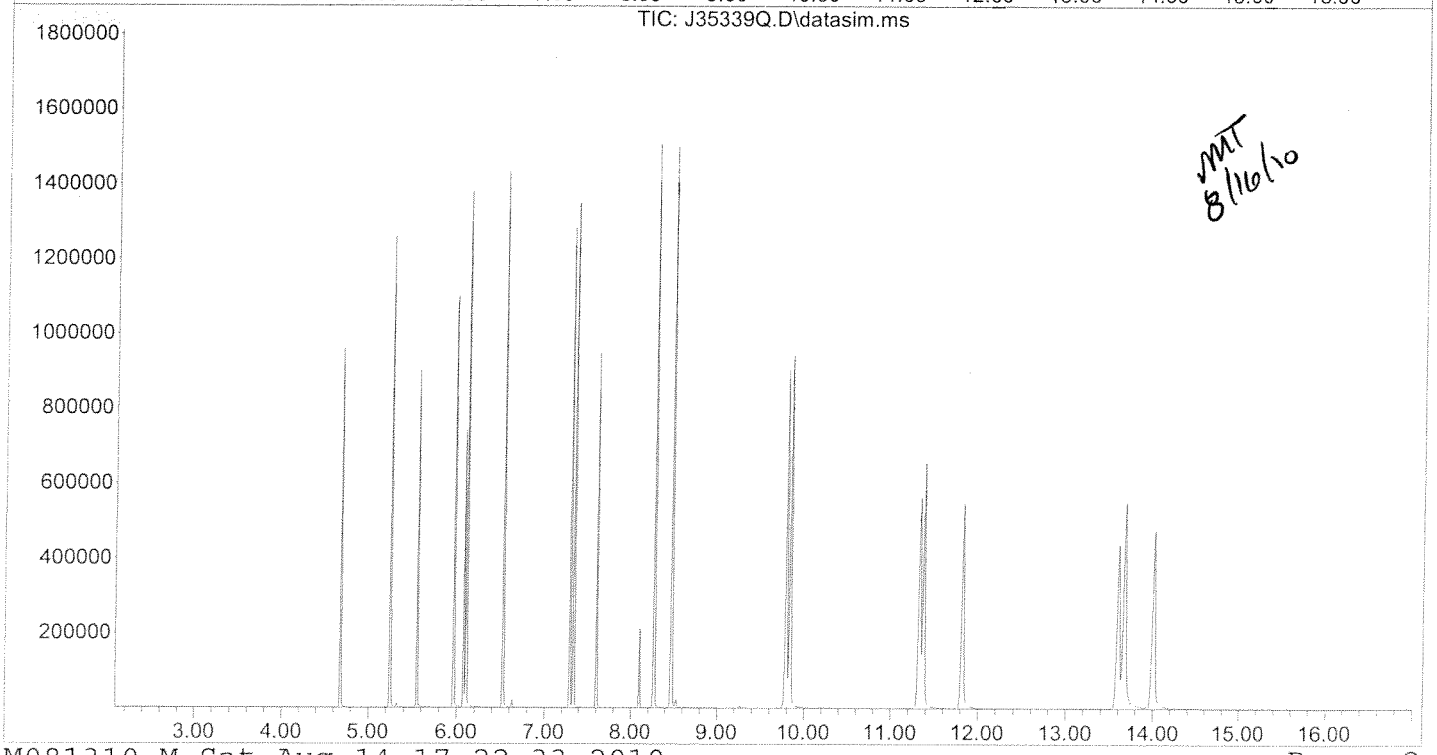
VMT 8/16/10

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35339Q.D
Acq On : 14 Aug 2010 10:56 am
Operator : MG/ALR
Sample : L081110EASE,RR
Misc : SOIL,ARO
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 14 17:22:32 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

JE 15.0





MT 8/16/10

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35340Q.D
Acq On : 14 Aug 2010 11:19 am
Operator : MG/ALR
Sample : LD081110EASE,RR
Misc : SOIL,ARO
ALS Vial : 21 Sample Multiplier: 1

581570

Quant Time: Aug 14 17:22:34 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	87626	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	503891	17.37 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 86.85%		
10) 2-Bromonaphthalene	6.080	206	212983	14.80 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 74.00%		
11) o-terphenyl	7.605	230	419762	16.57 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 82.85%		
Target Compounds					Qvalue
2) Naphthalene	4.680	128	639613	18.51 ug/ml	99
3) 2-Methylnaphthalene	5.244	141	387882	19.33 ug/ml	97
4) Acenaphthylene	5.967	152	758307	20.05 ug/ml	100
5) Acenaphthene	6.110	154	436116	17.69 ug/ml	100
6) Fluorene	6.525	166	589625	18.52 ug/ml	99
7) Phenanthrene	7.296	178	871419	21.03 ug/ml	99
8) Anthracene	7.338	178	892843	21.85 ug/ml	99
12) Fluoranthene	8.270	202	1026526	21.62 ug/ml	99
13) Pyrene	8.472	202	1059160	21.53 ug/ml	98
14) Benzo[a]anthracene	9.791	228	963583	21.89 ug/ml	100
15) Chrysene	9.841	228	911437	21.74 ug/ml	99
16) Benzo[b] fluoranthene	11.326	252	858201	21.73 ug/ml	99
17) Benzo[k] fluoranthene	11.377	252	840506	21.68 ug/ml	99
18) Benzo[a] pyrene	11.822	252	832395	21.92 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.600	276	705974	21.62 ug/ml	99
20) Dibenz [a,h] anthracene	13.671	278	685735	21.50 ug/ml	100
21) Benzo(g,h,i) perylene	14.012	276	743627	21.87 ug/ml	99

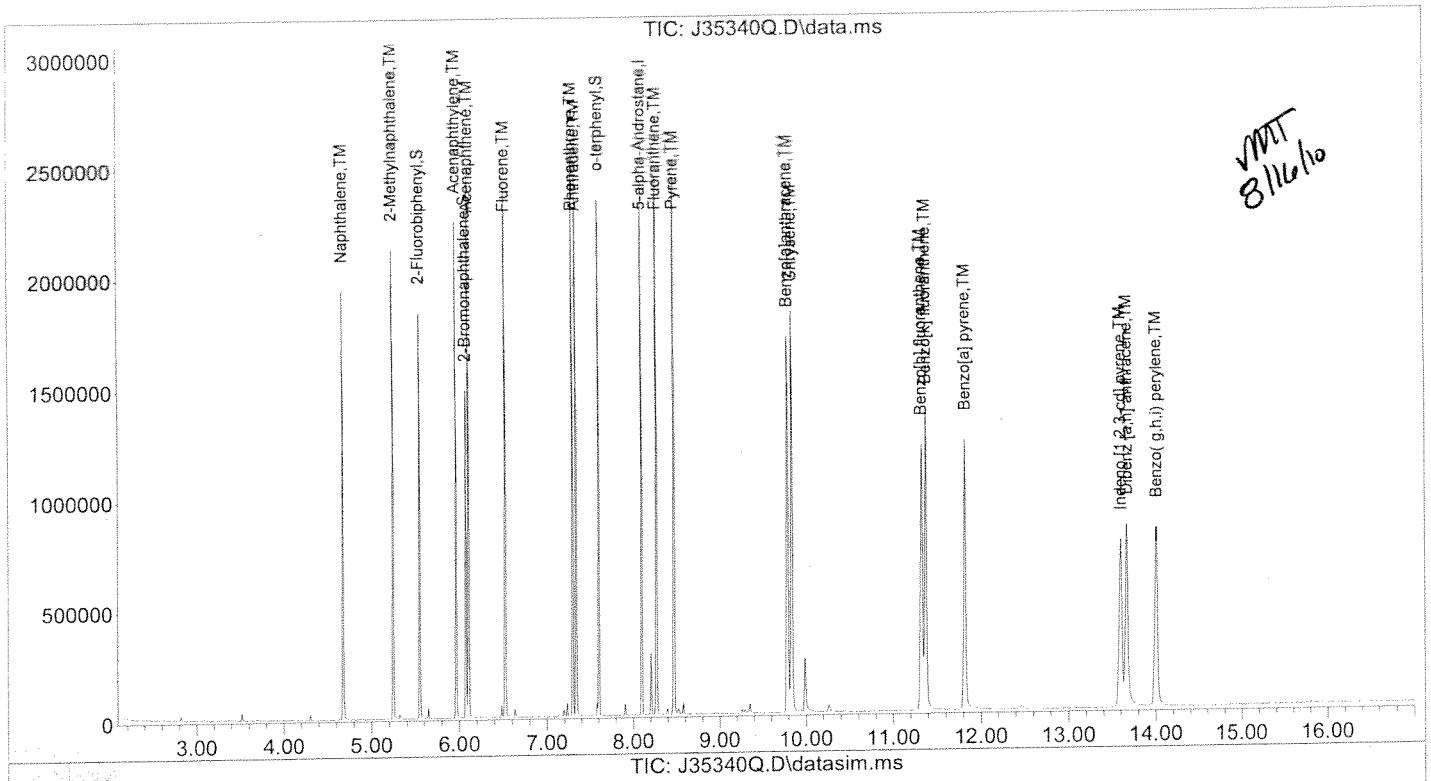
(#) = qualifier out of range (m) = manual integration (+) = signals summed

MT 8/16/10

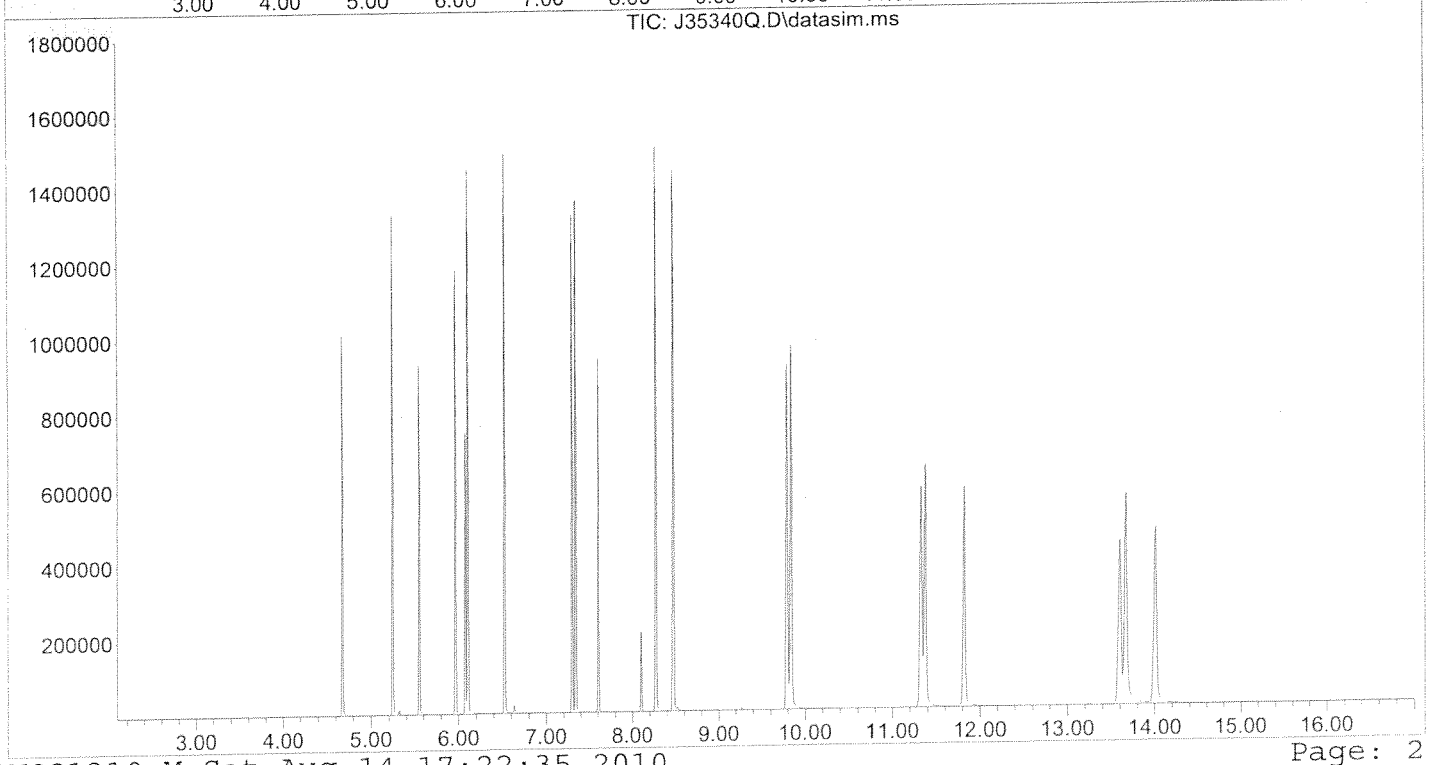
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35340Q.D
Acq On : 14 Aug 2010 11:19 am
Operator : MG/ALR
Sample : LD081110EASE,RR
Misc : SOIL,ARO
ALS Vial : 21 Sample Multiplier: 1

J 8/20

Quant Time: Aug 14 17:22:34 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration



VMT 8/16/10



ARM081310.M Sat Aug 14 17:22:35 2010 Page: 2

Instrument D

Analytics environmental laboratory LLC

Seq. ID: 080410-D

IS only#: EPH S9970 ~~S9770~~ AWL 8/4/10

EXP: 1/30/11

Tune File: ABU.u

Date: 8/4/10

Loading Check: AWL

Voltage: 1965

Analyst: AWL/NP

Unloading Check: NP

filament 2

Vial	Meth File	Sample	DF	Data File #	Comments
1	tunemix	S9836 tunemix	50ng	D71437T-45T	adjust mtune.
1	tunemix	S9836 tunemix	50ng	46T	✓
2	ALG80410	S9700 Ali 5		47 SI	✓
3		S9701 Ali 10		48	✓
4		S9702 Ali 20		49	✓
5		S9936 Ali 40		50	✓
6		S9704 Ali 50		51	✓
7		S9705 Ali 100		52	✓
8		S9715 Ali 20 ICV		53	✓
9	ARM80410	S9706 ARO 2		54 SI	✓
10		S9707 ARO 5		55	✓
11		S9708 ARO 10		56	✓
12		S9937 ARO 20		57	✓
13		S9710 ARO 50		58	✓
14		S9711 ARO 100		59	✓
15		S9716 ARO 20 ICV		60	✓ ARO80510 ~~Sht not used~~ OK
~~15~~		~~S9716 ARO 20 ICV~~		66	AW 8/6/10
1	tunemix	S9836 tunemix			not needed
5	ALG80410	S9936 Ali 40			
12	ARM80410	S9937 ARO 20			
16		Hexane w/IS			
15		S9716 ARO 20 ICV			
K		S9716 ARO 20 ICV			

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

Instrument D

Analytics environmental laboratory LLC

Seq. ID: 081210-D

IS only#: S9992 EPHIS

EXP: 2·10·11

Tune File: ABN.U

Date: 8·12·10

Loading Check: MJ / [illegible]

Voltage: 1965

Analyst: [illegible]

Unloading Check:

W-D-081210-1-ALR

Vial	Meth File	Sample	DF	Data File #	Comments
1	TUNEMIX	S9836 TUNE 50ng		D71740T	✓ 10:03
2	ALG080410.M	S9936 ALI40		41SC	✓
3	ARM080410.M	S9937 ARO20		42SC	✓
4		Hexane w IS		43	✓
5		B081110EASE ALF		44B	✓
6		L081110 EASE		45Q	✓
7		LD081110 EASE		46Q	✓
8		B081110EASE ARO		47B	✓
9		L081110EASE		48Q	✓
10		LD081110EASE		49Q	✓ ↓ IS - opening std concentrated
11		67494-5 ALF		50	✓
12		67494-6 ↓		51	✓
13		67494-5 ARO		52	✓
14		67494-6 ↓		53	✓
15		67433-2, Rx ALF		54	RR 1:20
16		67433-2, Rx ARO		55	RR 1:5
17		67393-11, Rx ALF		56	✓
18		67393-11, Rx ARO		57	✓
~~19~~		~~67488-4 ALF~~	581210	~~58~~	OUT
~~20~~		~~67488-4 ARO~~	581210	~~59~~	OUT
2		S9936 ALI40		60SC	✓
3		S9937 ARO20		61SC	✓
2		S9936 ALI40		62SC	✓
3		S9937 ARO20		63SC	✓
1	tunemix	S9836 tunemix 50ng		64T	✓
2	ALG080410	S9936 ALI 40		65SC	BRL w/ fresh
3	ARM080410	S9937 ARO20		66SC	Standards
4		Hexane w/IS		67	↓
1	tunemix	S9836 tunemix 50ng		68T	✓
2	ALG080410	S9936 ALI 40		69SC	✓
3	ARM080410	S9937 ARO20		70SC	✓
4		Hexane w/IS		71	✓

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

Instrument J

Analytics environmental laboratory LLC

EPH

081310-J

IS only#: S9992

EXP: 2/10/11

Tune File: ABU.u

Date: 8/13/10

Loading Check: AUR

Voltage: 1953

Analyst: AUR

Unloading Check:

W-J-081310-1-AUR

Vial	Meth File	Sample	DF	Data File #	Comments
99		MeCl2		J35314	
1	tuneamin	S9836 tuneamin 50ng		15T	✓
2	~~ARSIM~~ AUR 8/13/10	S9714 ARO 0.1		16SI	✓
3	ARMSIM 081310	S9713 ARO 0.2		17	✓
4		S9712 ARO 1.0		18	✓
5		S9706 ARO 2		19	✓
6		S9707 ARO 5		20	✓
7		S9708 ARO 10		21	✓
8	ARM081310	S9937 ARO 20		22	✓
9		S9710 ARO 50		23	✓
10		S9711 ARO 100		24	✓
11		S9716 ARO 20 ICV		25	✓
12		S9717 ARO 2 ICV		26	✓
	W-J-081310-2-AUR			~~27~~ AUR 8/14/10	
1	tuneamin	S9836 tuneamin 50ng		27T	✓
8		S9937 ARO 20		28SC	✓
5		S9706 ARO 2		29SC	✓
13		Hexane w/IS		30	✓
14	AUR 8/14/10	~~B081210EW~~ L081210EW		31B	Not used Wrong Vials
15		~~L081210EW~~ LD081210EW		32	loaded
14		B081210EW ARO		33B	✓
15		L081210EW		34Q	✓
16		LD081210EW		35Q	✓
17		~~67393-3 RX~~	L081210EW	AUR 36Q	✓
18		67471-1	LD081210EW	37Q	✓
19		-2	B081110EASE	38B	✓
20		-3	L081110EASE	39Q	✓
21		67480-1	LD081110EASE	40Q	✓
22		67481-1	67433-2 RX	41	✓ 1:5
23		67487-19	67470-2	42	✓ 1:2
24		-19, ms	67393-3 RX	43	✓
25		-19, msd	67471-1	44	✓
26		-20	-2	45	✓
27		-21	-3	46	✓

EPH IS S10017 X 2/14/11

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Cont. pg - 29

Instrument J

Analytics environmental laboratory LLC

Cont. 081310-J

EPH

IS only#: S10017 EXP: 2/14/11

Tune File: ABN.u Date: 8/13/10 Loading Check: ALR

Voltage: 1953 Analyst: ALR Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
~~28~~		~~67499-2 ARO~~			
~~29~~		~~-3 L~~			ALR 8/14/10
28	ARmo8/1310	67480-1		J35347	✓
29	ARmstmox1310	67481-1		48	✓
30		67487-19		49	✓
31		-19, MS		50SP	✓
32		-19, MSD		51SP	✓
33		-20		52	✓
34		-21		53	✓
35		67499-2		54	✓
36		-3		55	✓
8		S9937 ARO 20		56SC	✓
5		S9706 ARO 2		57SC	✓
8		S9937 ARO 20		58SC	✓
5		S9706 ARO2		59SC	✓
1		S9836 TUNEM Story		60T	✓
8		S9937 ARO 20		61SC	✓
5		S9706 ARO 2		62SC	Not needed
13		~~Hexane WIS~~		~~63A~~	← Hexane WIS vial 13 file 63A
19		B081110EASG RR2		63B	✓
37		67487-2		64	✓
38		67487-3		65	✓
39		67487-5		66	✓
40		67487-5 MS		67	✓
41		67487-5, MSD		68	✓
42		67487-8		69	✓
43		B081310EASE		70	✓
44		L081310EASE		71	✓
45		LD081310EASE		72	✓
46		L081310EASE	ALI	73	✓
47		LD 081310EASE	L	74	✓
48		67350-9, RF		75	✓
49		67350-11 RX		76	confirms ↓SS
50		67470-3 RX		77	↓SS confirms
51		67512-2		78	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9706 ARO 2	D71454SI.D	8/5/10 5:51
S9707 ARO 5	D71455SI.D	8/5/10 6:22
S9708 ARO 10	D71456SI.D	8/5/10 6:52
S9937 ARO 20	D71457SI.D	8/5/10 7:22
S9710 ARO 50	D71458SI.D	8/5/10 7:53
S9711 ARO 100	D71459SI.D	8/5/10 8:23
S9716 ARO 20 ICV	D71460.D	8/5/10 8:53

Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9700 ALI 5	D71447SI.D	8/5/10 2:18
S9701 ALI 10	D71448SI.D	8/5/10 2:48
S9702 ALI 20	D71449SI.D	8/5/10 3:19
S9936 ALI 40	D71450SI.D	8/5/10 3:49
S9704 ALI 50	D71451SI.D	8/5/10 4:20
S9705 ALI 100	D71452SI.D	8/5/10 4:50
S9715 ALI 20 ICV	D71453.D	8/5/10 5:21

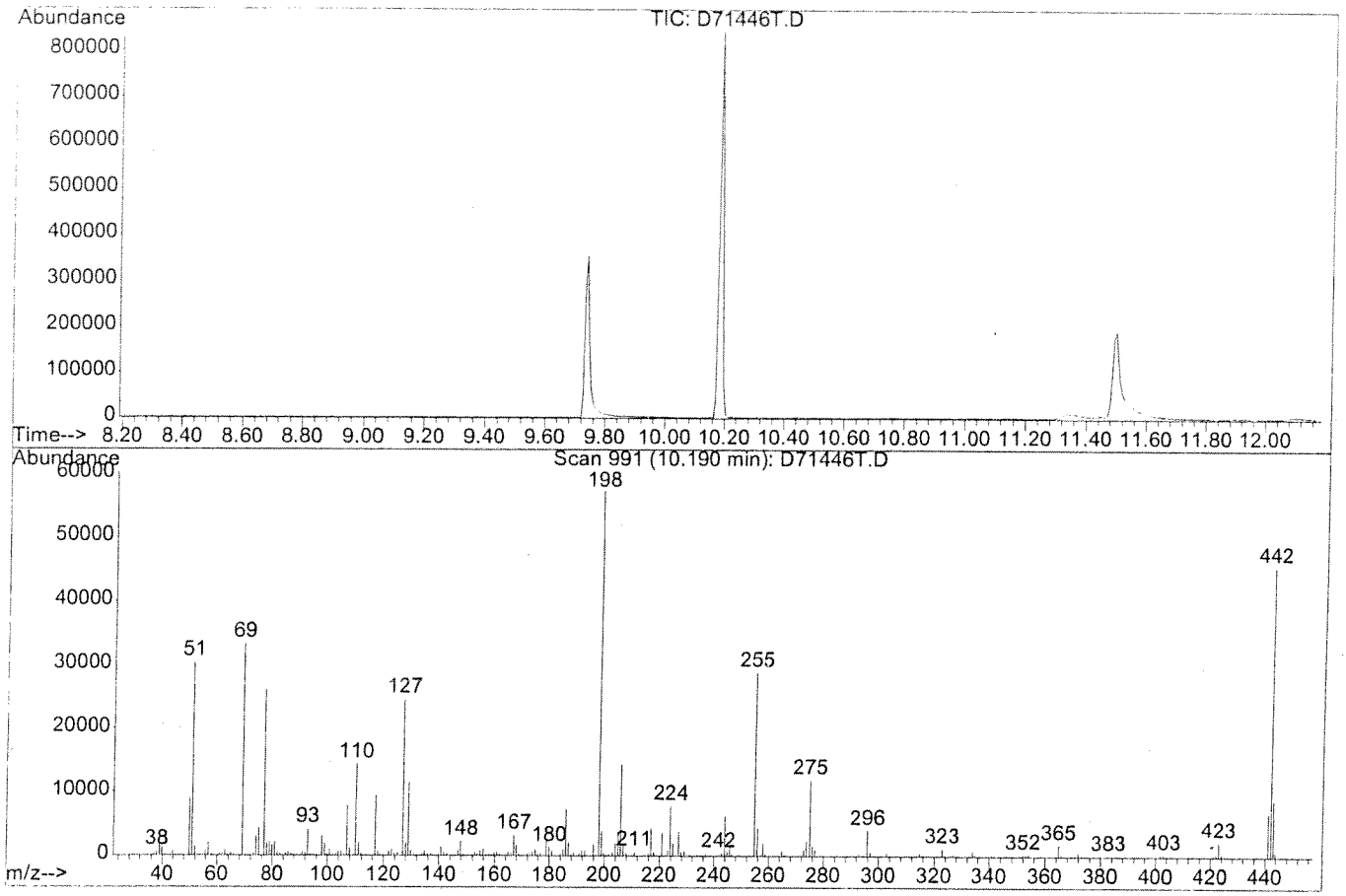
Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00



Spectrum Information: Scan 991

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.9	30392	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.0	33320	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.7	24560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	57496	PASS
199	198	5	9	6.9	3944	PASS
275	198	10	30	20.9	12023	PASS
365	198	1	100	3.2	1842	PASS
441	443	0.01	100	76.4	6759	PASS
442	198	40	100	79.4	45640	PASS
443	442	17	23	19.4	8852	PASS

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:04 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71446T.D**
Date Acquired **8/5/2010 1:47**

NY080510

Name	Target Response
PENTACHLOROPHENOL	39778.00
BENZIDINE	151505.00
DDE	53.00
DDD	1884
DDT	149663

(0% - 20%)

%DDT BREAKDOWN = 1.28% **OK** ✓

8/5/10

8/5/10 2:16 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP080510

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

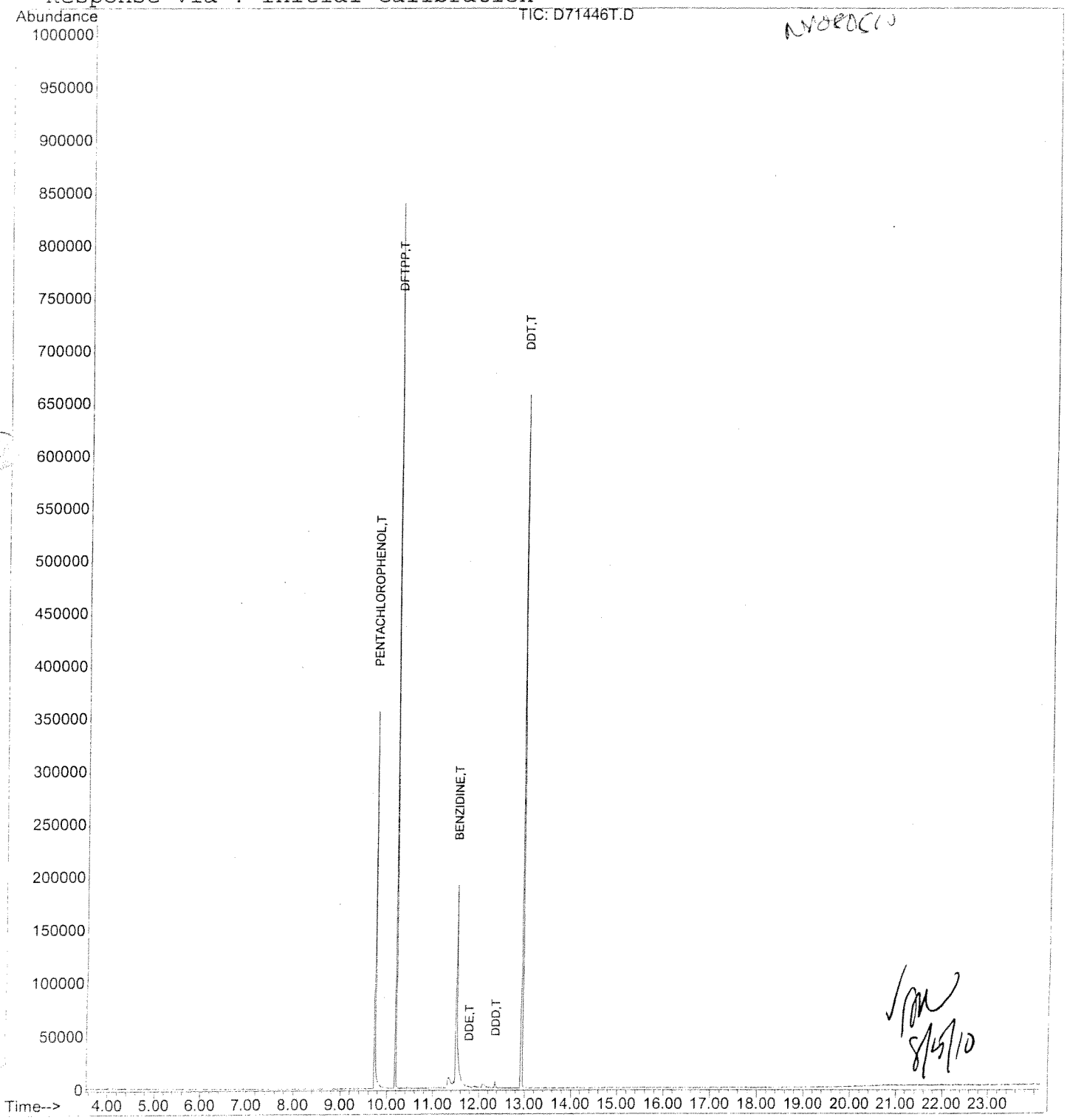
Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.74	266	39778	15.78 UG/L	95
2) DFTPP	10.18	198	75090	24.58 ug/ml#	60
3) BENZIDINE	11.50	184	151505	18.88 UG/L #	100
4) DDE	11.79	246	53	0.53 UG/L #	24
5) DDD	12.36	235	1884	18.84 UG/L #	19
6) DDT	12.93	235	149663	33.12 UG/L #	86

✓ 8/5/10

(#) = qualifier out of range (m) = manual integration
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: TUNMXEPH.RE

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration



NVOROCIS

8/4/10

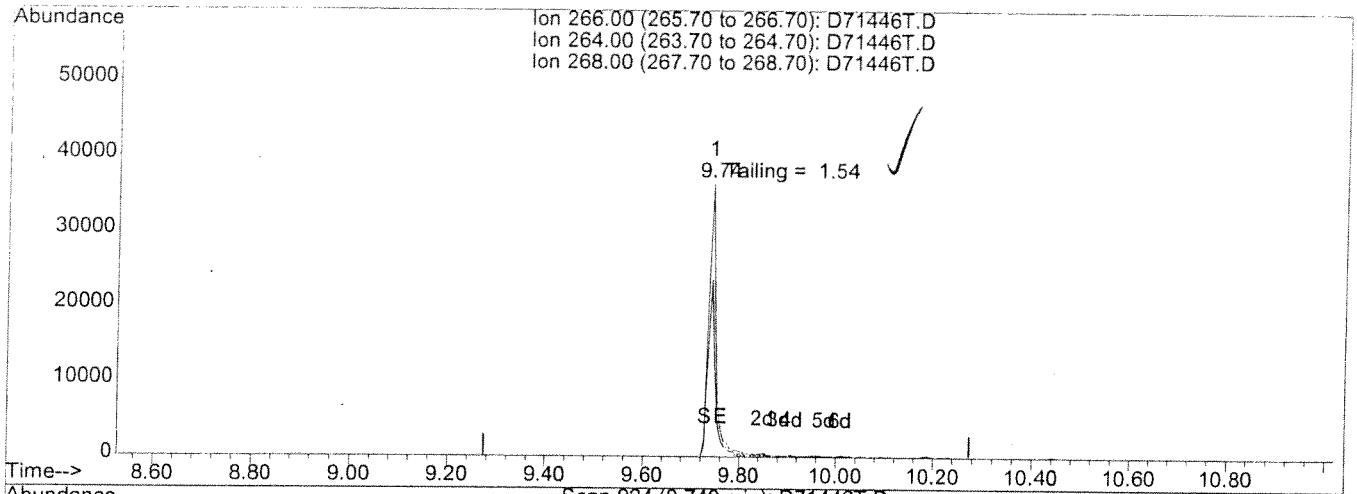
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010 Page 2

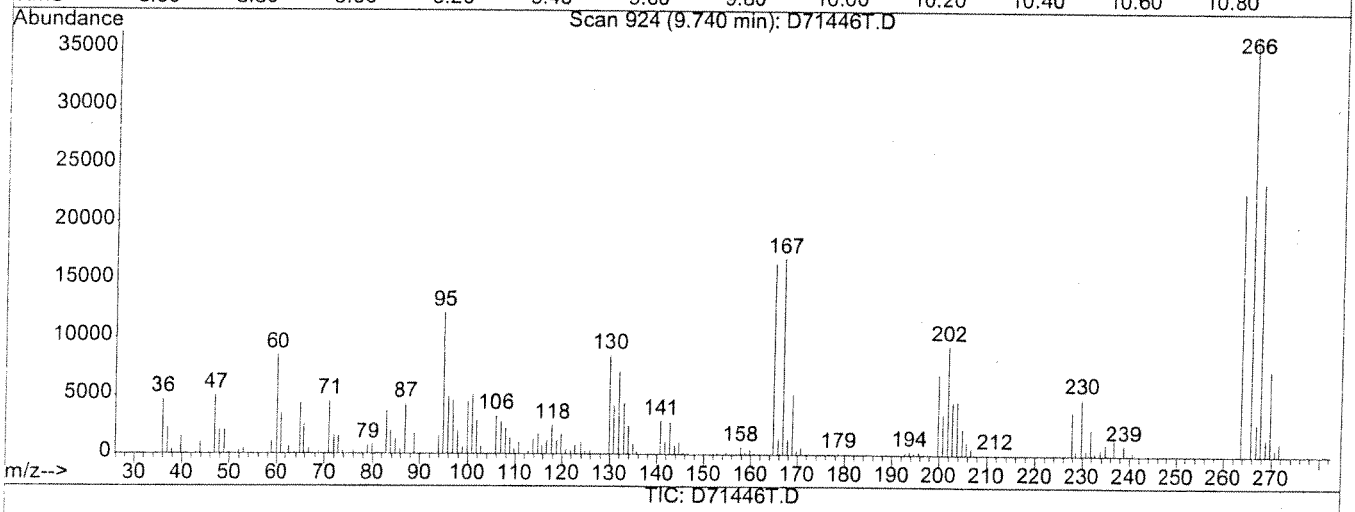
Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

N108450





(1) PENTACHLOROPHENOL (T)

9.74min 15.78UG/L

response 39778

Ion	Exp%	Act%
266.00	100	100
264.00	59.50	61.59
268.00	58.20	63.08
0.00	0.00	0.00

8/5/10

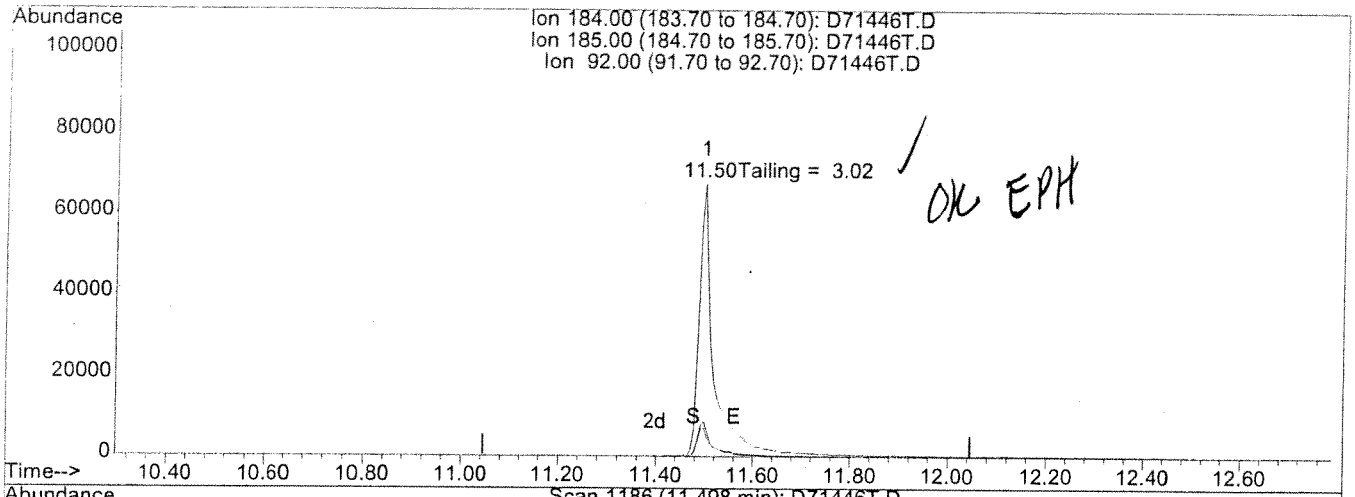
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:40 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

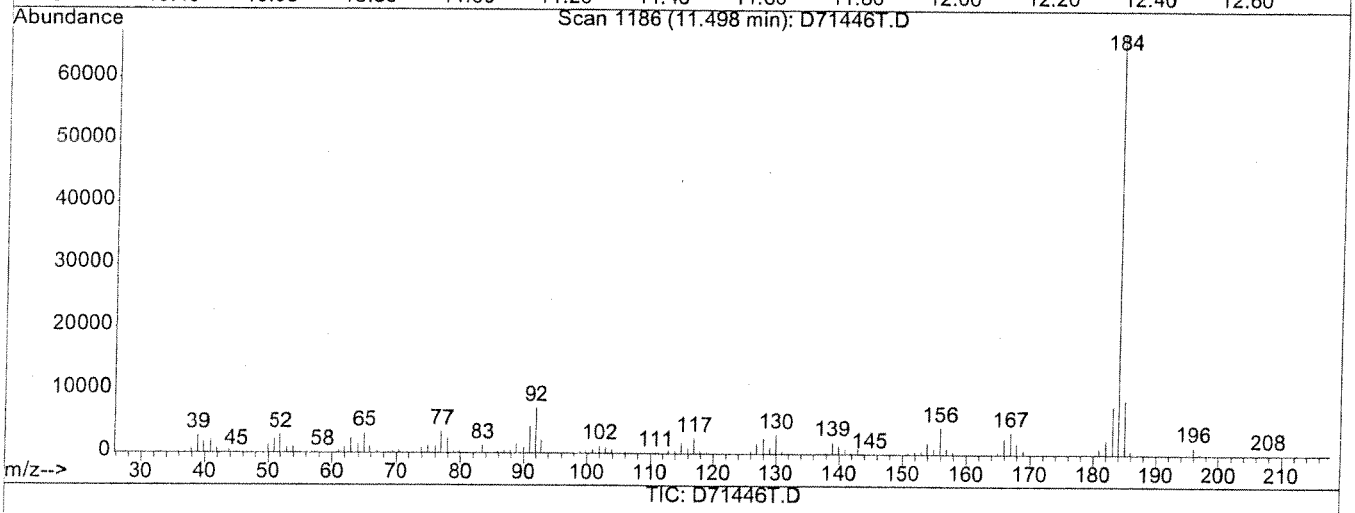
Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

Nr080510



OK EPH



(3) BENZIDINE (T)

11.50min 18.88UG/L

response 151505

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.18#
92.00	0.00	10.90#
0.00	0.00	0.00

OK 8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:19:09 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494
DFTPP File ID: D71740T.D
DFTPP Injection Date: 08/12/10
DFTPP Injection Time: 10:03

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9936 ALI 40	D71741SC.D	8/12/10 10:33
HEXANE W/IS	D71743.D	8/12/10 11:33
B080110EASE	D71744B.D	8/12/10 12:39
L080110EASE	D71745Q.D	8/12/10 13:09
LD08110EASE	D71746Q.D	8/12/10 13:50
67494-5	D71750.D	8/12/10 15:50
67494-6	D71751.D	8/12/10 16:20
S9936 ALI 40	D71760SC.D	8/12/10 19:49

Refer to the DFTPP report D71740T.D for ion ratio evaluation.

EPH FORM 5

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494
DFTPP File ID: D71740T.D
DFTPP Injection Date: 08/12/10
DFTPP Injection Time: 10:03

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9937 ARO 20	D71742SC.D	8/12/10 11:03
HEXANE W/IS	D71743.D	8/12/10 11:33
B08110EASE	D71747B.D	8/12/10 14:20
L08110EASE	D71748Q.D	8/12/10 14:50
LD08110EASE	D71749Q.D	8/12/10 15:20
67494-5	D71752.D	8/12/10 16:50
67494-6	D71753.D	8/12/10 17:20
S9937 ARO 20	D71761SC.D	8/12/10 20:19

Refer to the DFTPP report D71740T.D for ion ratio evaluation.

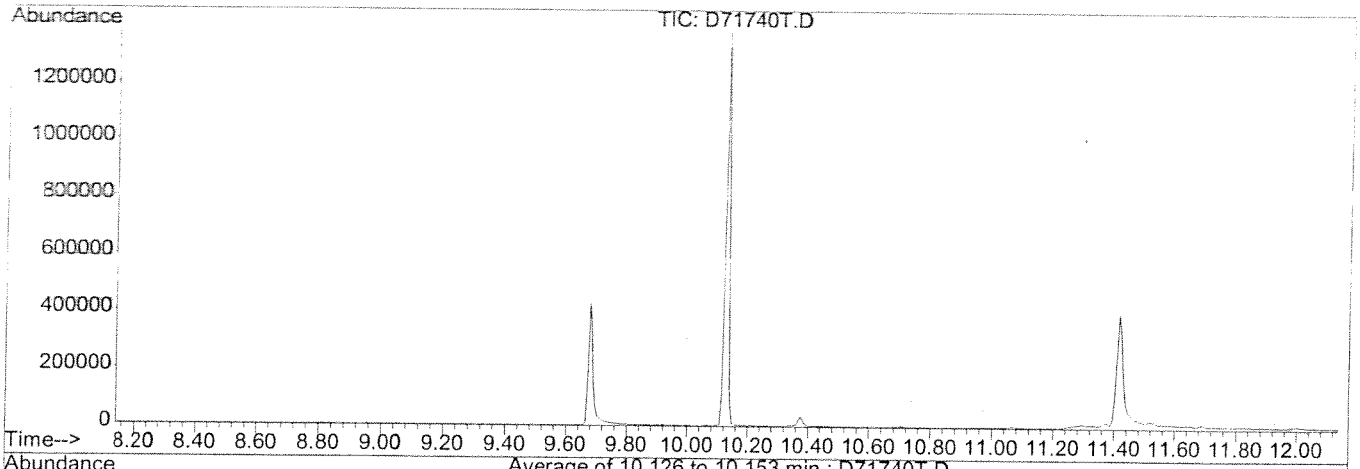
EPH FORM 5

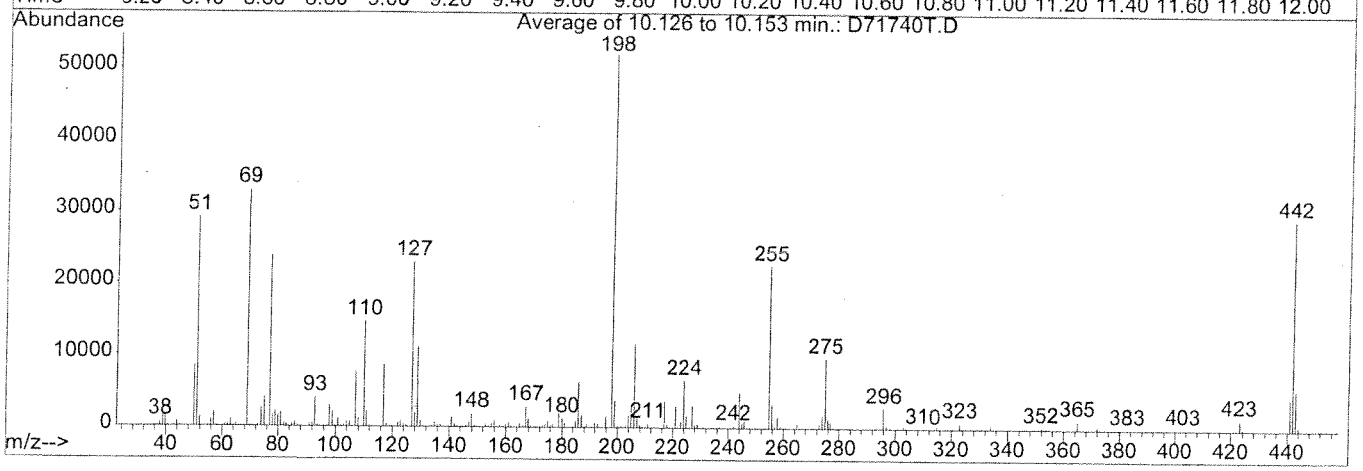
DFTPP

Data File : D:\HPCHEM\1\DATA\081210-D\D71740T.D
Acq On : 12 Aug 2010 10:03 am
Sample : S9836 TUNEMIX 50 NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR/NP
Inst : GC/MS In:
Multiplr: 1.00

NC 81210





Spectrum Information: Average of 10.126 to 10.153 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	56.0	29169	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	63.4	32997	PASS
70	69	0.00	2	0.3	111	PASS
127	198	40	60	44.1	22938	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	52067	PASS
199	198	5	9	7.0	3640	PASS
275	198	10	30	18.5	9656	PASS
365	198	1	100	2.4	1227	PASS
441	443	0.01	100	78.8	4384	PASS
442	198	40	100	56.2	29270	PASS
443	442	17	23	19.0	5565	PASS

JB 81210

D71740T.D TUNMXEPH.M Thu Aug 12 10:55:08 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50 NG**
Data File Name **D71740T.D**
Date Acquired **8/12/2010 10:03**

MC 8/12/10

Name	Target Response
PENTACHLOROPHENOL	47152.00
BENZIDINE	239489.00
DDE	667.00
DDD	2007
DDT	224102

(0% - 20%)

%DDT BREAKDOWN = 1.18% **OK** ✓

8/12/10

Data File : D:\HPCHEM\1\DATA\081210-D\D71740T.D
Acq On : 12 Aug 2010 10:03 am
Sample : S9836 TUNEMIX 50 NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 12 10:50 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Aug 07 05:14:12 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N081210

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.68	266	47152	18.71	UG/L	99
2) DFTPP	10.13	198	135666	44.41	ug/ml	97
3) BENZIDINE	11.41	184	239489	29.85	UG/L	99
4) DDE	11.69	246	667	6.67	UG/L #	8
5) DDD	12.27	235	2007	20.07	UG/L #	81
6) DDT	12.84	235	224102	49.60	UG/L	97

081210

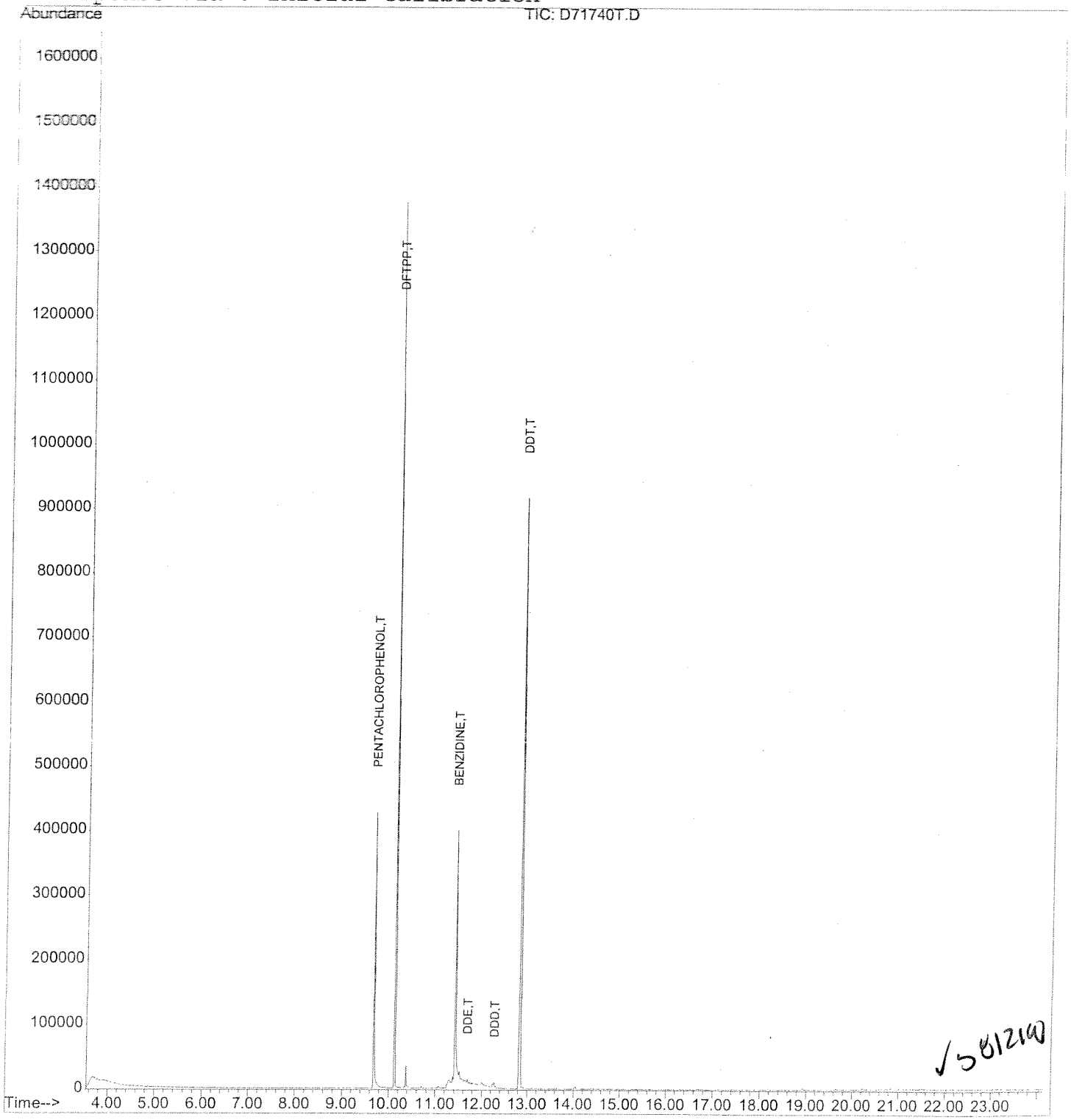
(#) = qualifier out of range (m) = manual integration
D71740T.D TUNMXEPH.M Thu Aug 12 10:50:49 2010 Page 1

Data File : D:\HPCHEM\1\DATA\081210-D\D71740T.D
Acq On : 12 Aug 2010 10:03 am
Sample : S9836 TUNEMIX 50 NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 12 10:50 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RI

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Aug 07 05:14:12 2010
Response via : Initial Calibration

N 081210



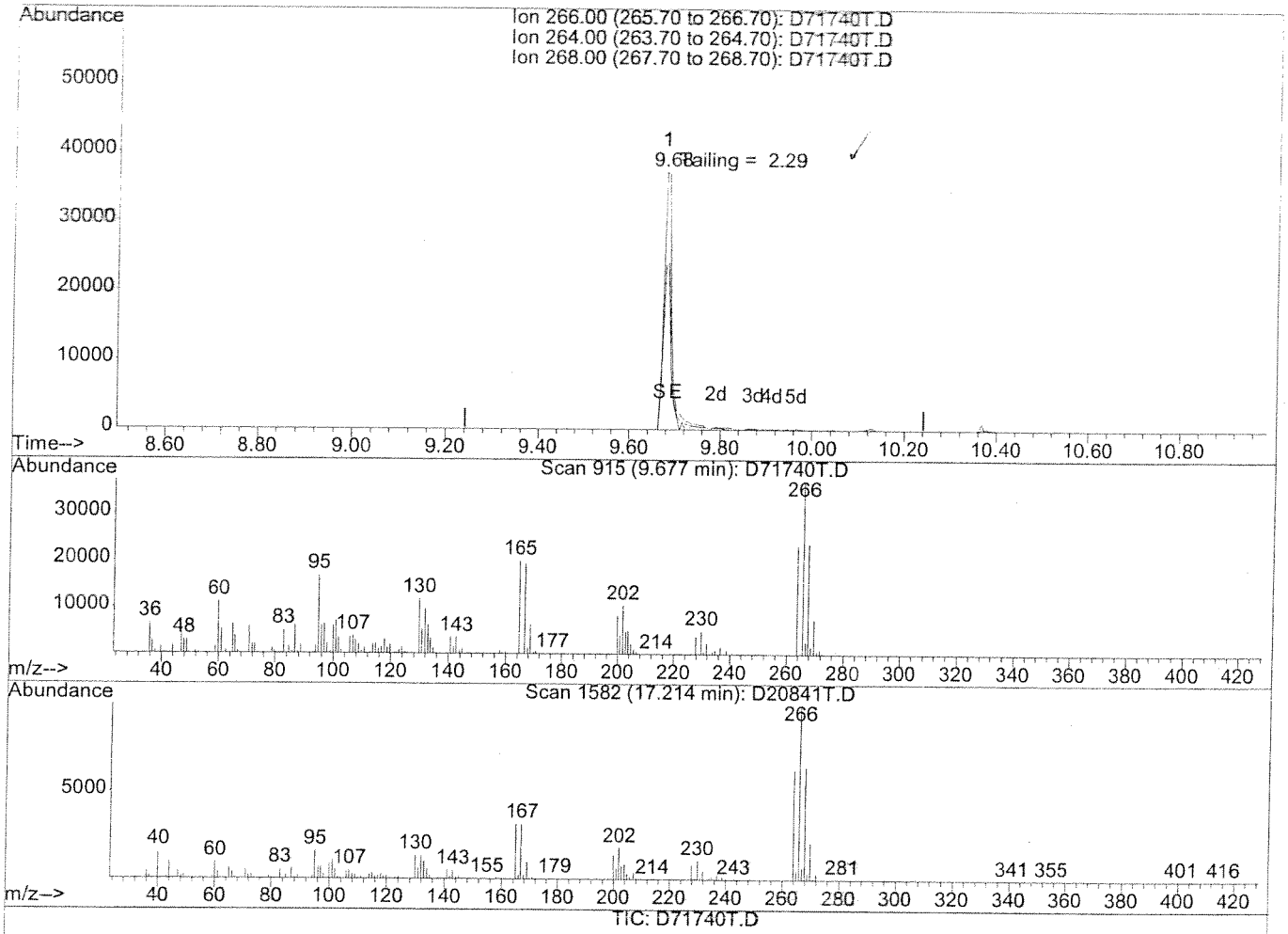
✓ 081210

Data File : D:\HPCHEM\1\DATA\081210-D\D71740T.D
Acq On : 12 Aug 2010 10:03 am
Sample : S9836 TUNEMIX 50 NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 12 10:50 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS In:
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Aug 07 05:14:12 2010
Response via : Single Level Calibration

MW081210



(1) PENTACHLOROPHENOL (T)

9.68min 18.71UG/L

response 47152

Ion	Exp%	Act%
266.00	100	100
264.00	58.40	57.06
268.00	61.30	61.16
0.00	0.00	0.00

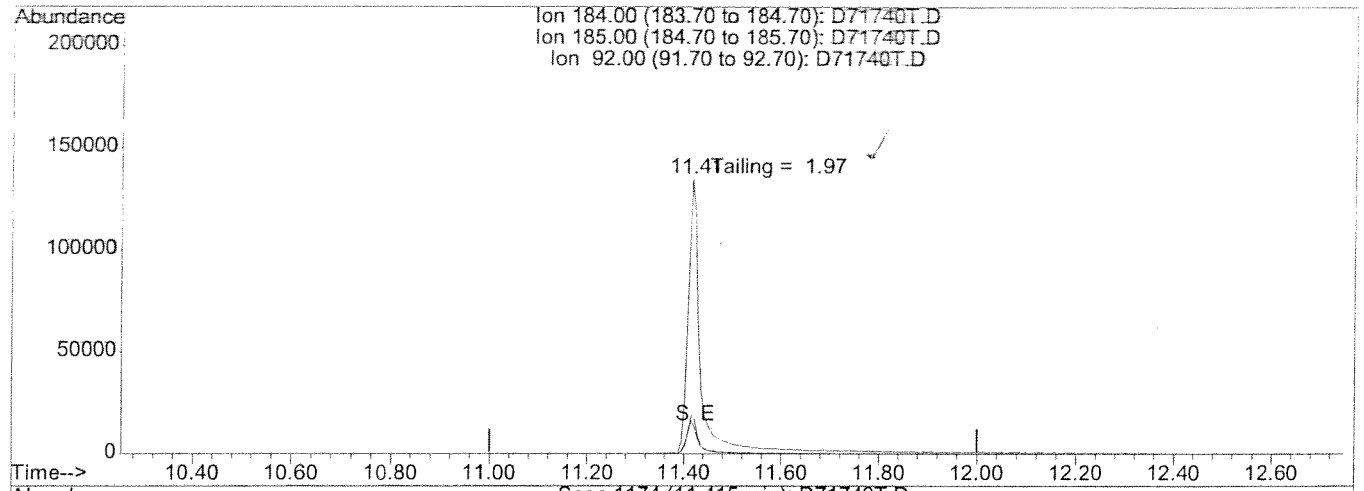
081210

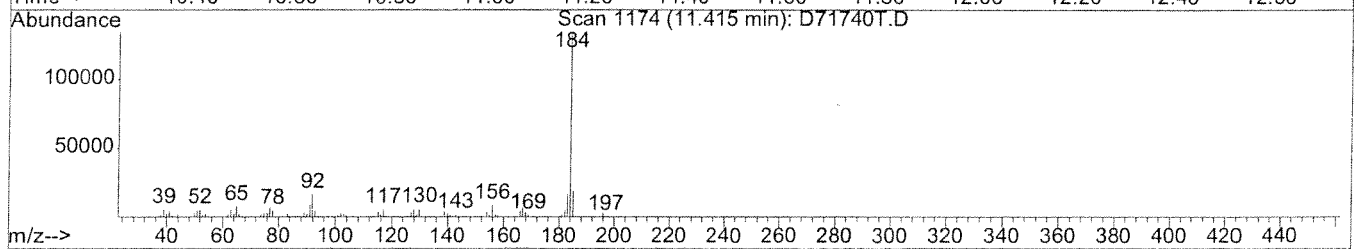
D71740T.D TUNMXEPH.M Thu Aug 12 10:52:57 2010

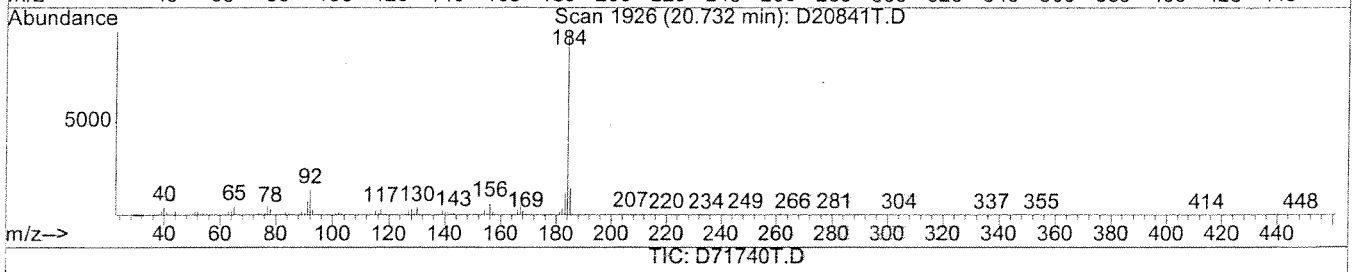
Data File : D:\HPCHEM\1\DATA\081210-D\D71740T.D Vial: 1
Acq On : 12 Aug 2010 10:03 am Operator: AR/NP
Sample : S9836 TUNEMIX 50 NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 12 10:50 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Aug 07 05:14:12 2010
Response via : Single Level Calibration

M081210







TIC: D71740T.D

(3) BENZIDINE (T)

11.41min 29.85UG/L

response 239489

Ion	Exp%	Act%
184.00	100	100
185.00	13.80	14.05
92.00	12.50	11.96
0.00	0.00	0.00

081210

D71740T.D TUNMXEPH.M Thu Aug 12 10:53:04 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
DFTPP File ID: J35315T.D
DFTPP Injection Date: 08/14/10
DFTPP Injection Time: 1:45

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9706 ARO 2	J35319SI.D	8/14/10 3:16
S9707 ARO 5	J35320SI.D	8/14/10 3:39
S9708 ARO 10	J35321SI.D	8/14/10 4:02
S9937 ARO 20	J35322SI.D	8/14/10 4:25
S9710 ARO 50	J35323SI.D	8/14/10 4:48
S9711 ARO 100	J35324SI.D	8/14/10 5:10
S9716 ARO 20 ICV	J35325.D	8/14/10 5:33

Refer to the DFTPP report J35315T.D for ion ratio evaluation.

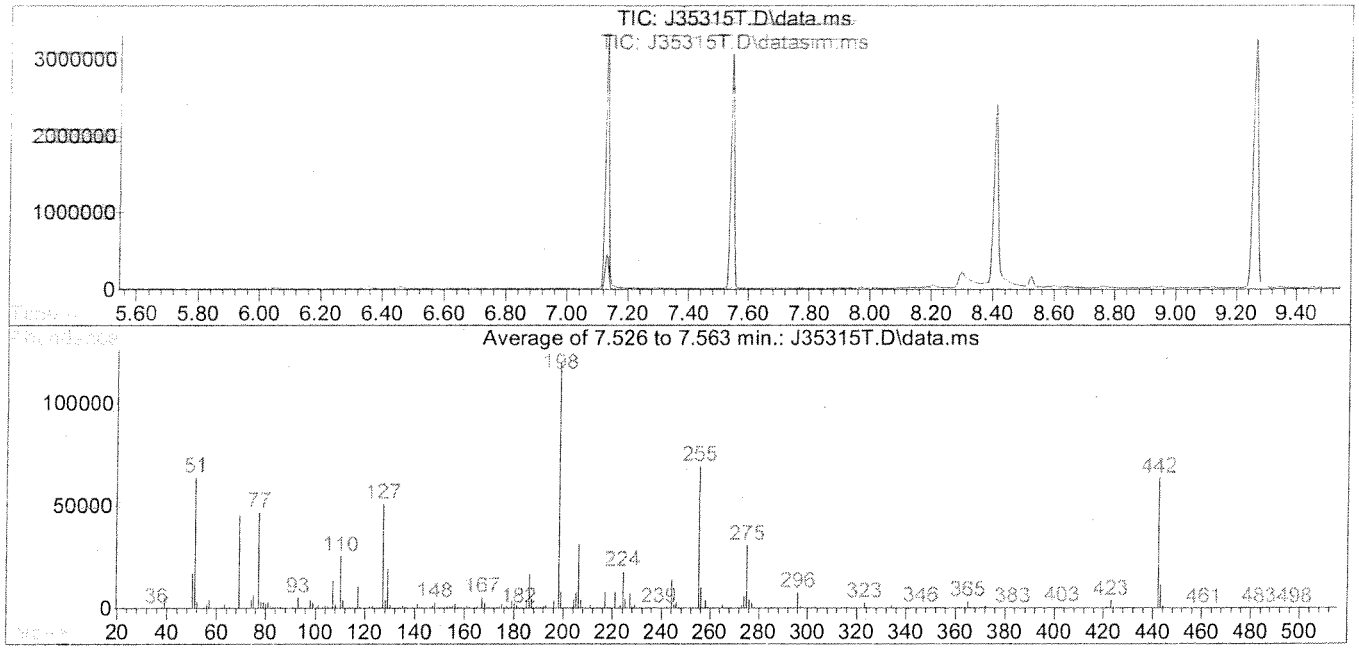
EPH FORM 5

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35315T.D
Acq On : 14 Aug 2010 1:45 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Fri Aug 13 05:24:32 2010

8/14/10



Spectrum Information: Average of 7.526 to 7.563 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	53.2	63791	PASS
68	69	0.00	2	0.1	27	PASS
69	198	0.00	100	37.8	45336	PASS
70	69	0.00	2	0.6	251	PASS
127	198	40	60	42.5	50967	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	119990	PASS
199	198	5	9	6.8	8130	PASS
275	198	10	30	25.6	30694	PASS
365	198	1	100	2.8	3330	PASS
441	443	0.01	100	3.1	358	PASS
442	198	40	100	53.0	63592	PASS
443	442	17	23	18.2	11552	PASS

081310

SEMI-VOLATILE
TUNE MIX CHECK

8/14/10

Sample Name **S9836 TUNEMIX 50 NG**
Data File Name **J35315T.D**
Date Acquired **8/14/2010 1:45**

Name	Target Response
Pentachlorophenol	353660.00
Benzidine	1084210.00
DDE	869.00
DDD	3975
DDT	773630

(0% - 20%)

%DDT BREAKDOWN = 0.62% **OK**

081520

8/14/2010 6:07 AM

C:\msdchem\custrpt\ABN CUSTRPT\TUNEMIX.CRT

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35315T.D
Acq On : 14 Aug 2010 1:45 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:06:42 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

8/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) Pentachlorophenol	7.132	266	353660	24.19 ug/ml	99
2) DFTPP	7.544	198	302148	25.01 ug/ml	99
3) Benzidine	8.411	184	1084210	17.52 ug/ml#	100
4) DDE	8.584	246	869	0.59 ug/ml#	100
5) DDD	8.926	235	3975	0.25 ug/ml	86
6) DDT	9.263	235	773630	25.21 ug/ml#	100

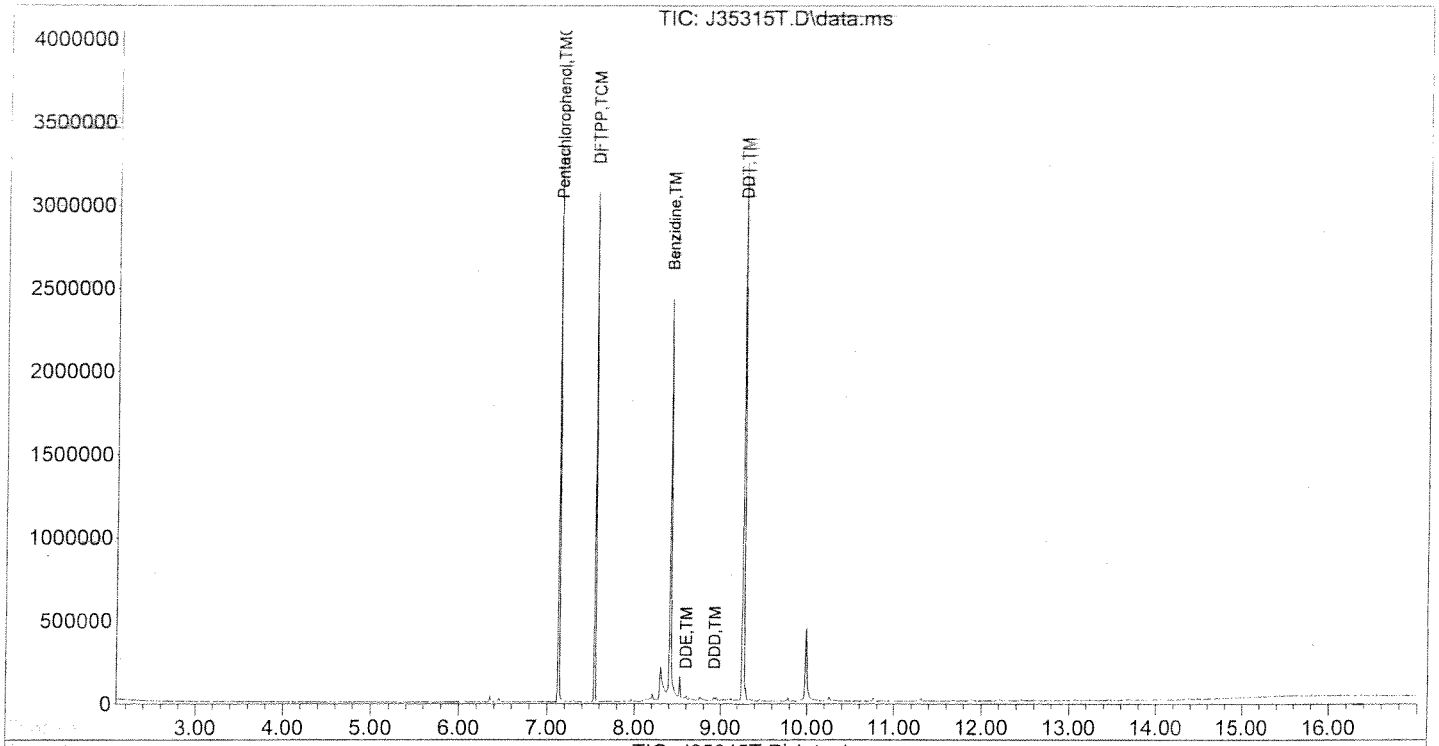
(#) = qualifier out of range (m) = manual integration (+) = signals summed

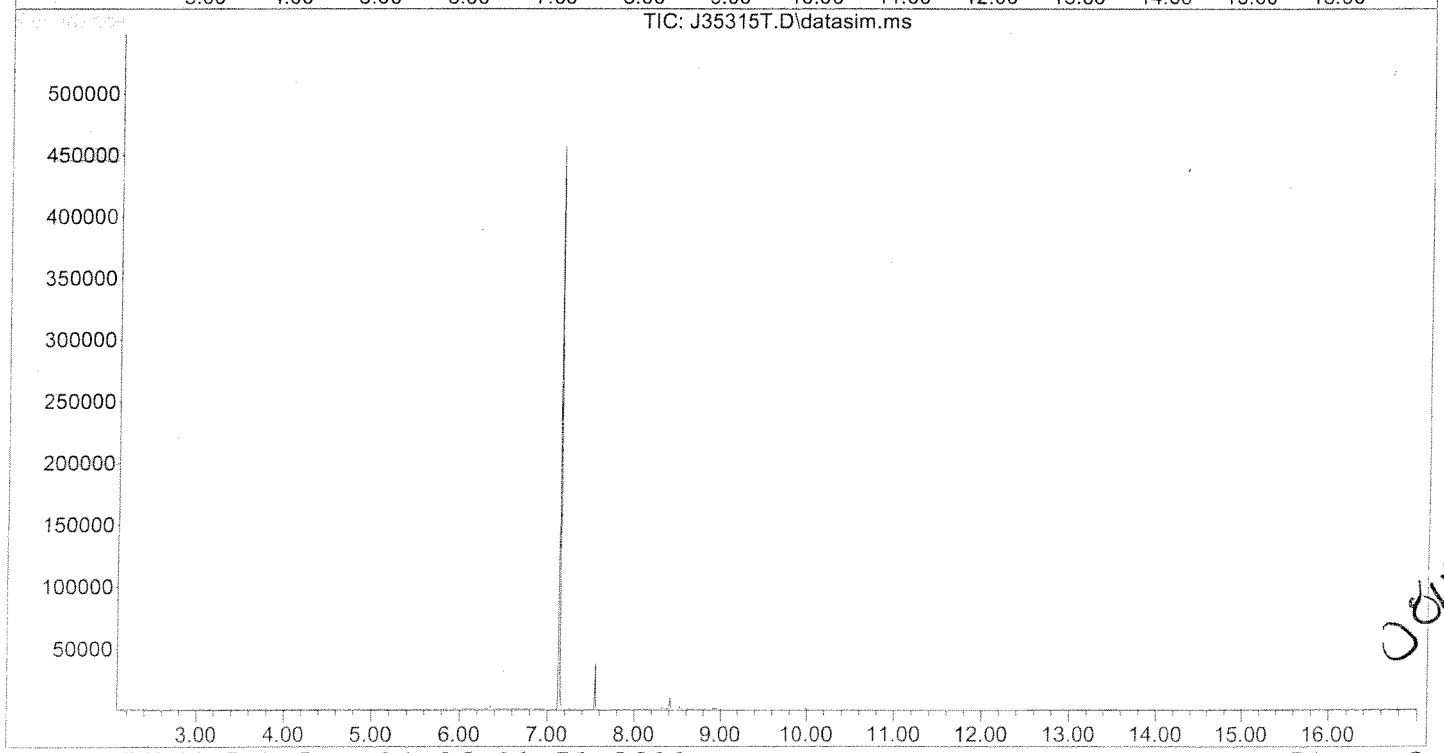
J8157C

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35315T.D
Acq On : 14 Aug 2010 1:45 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:06:42 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

8/14/10



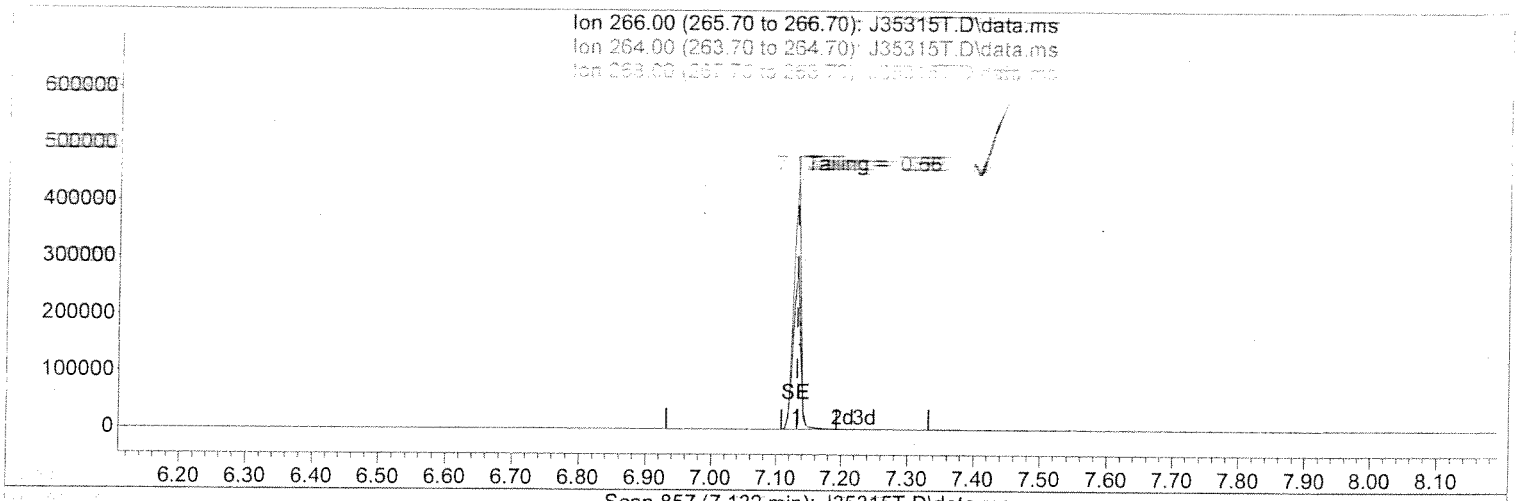


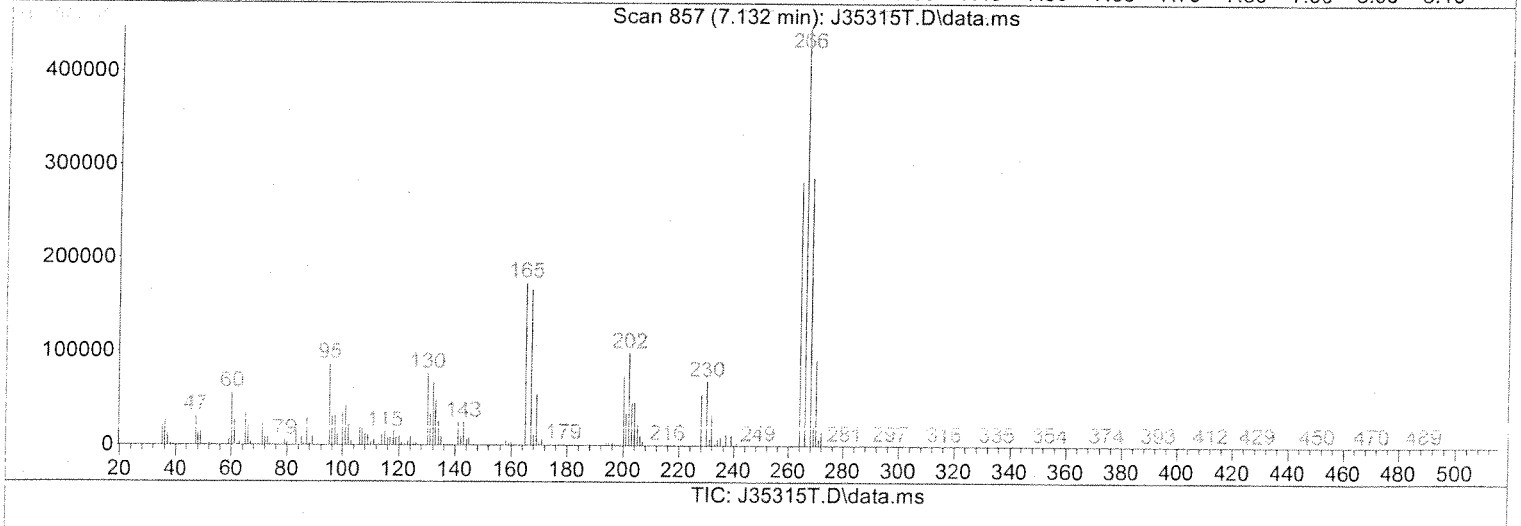
06520

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35315T.D
Acq On : 14 Aug 2010 1:45 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:06:42 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

8/14/10





(1) Pentachlorophenol (TMC)

7.132min (+0.000) 24.19ug/ml

response 353660

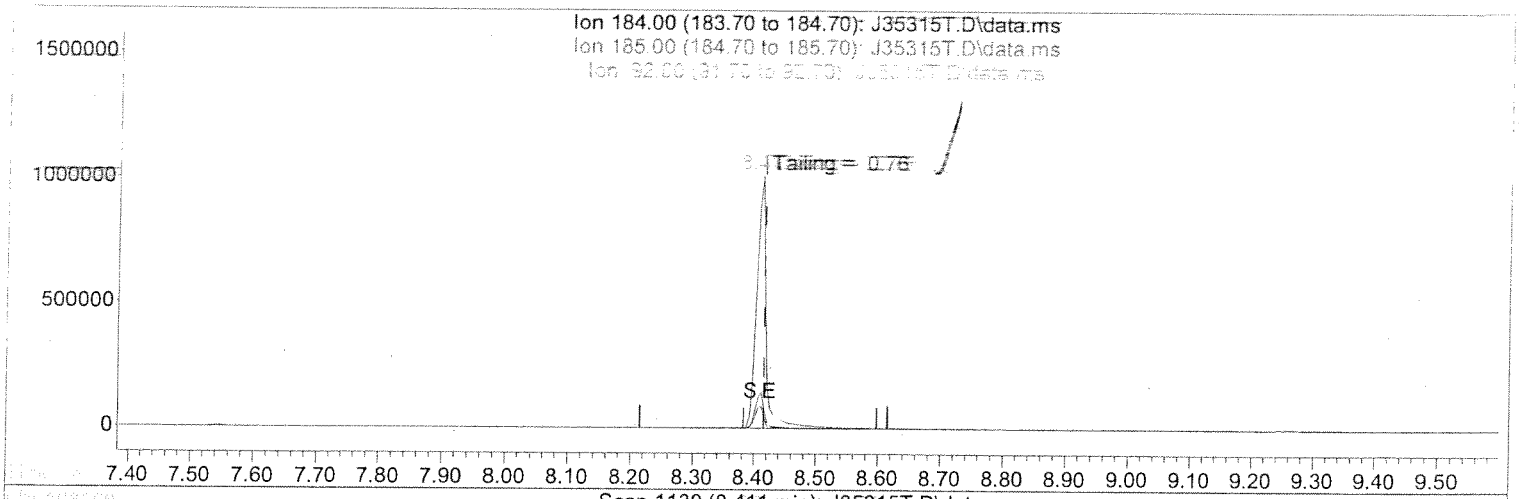
Ion	Exp%	Act%
266.00	100	100
264.00	63.50	63.73
268.00	64.40	63.70
0.00	0.00	0.00

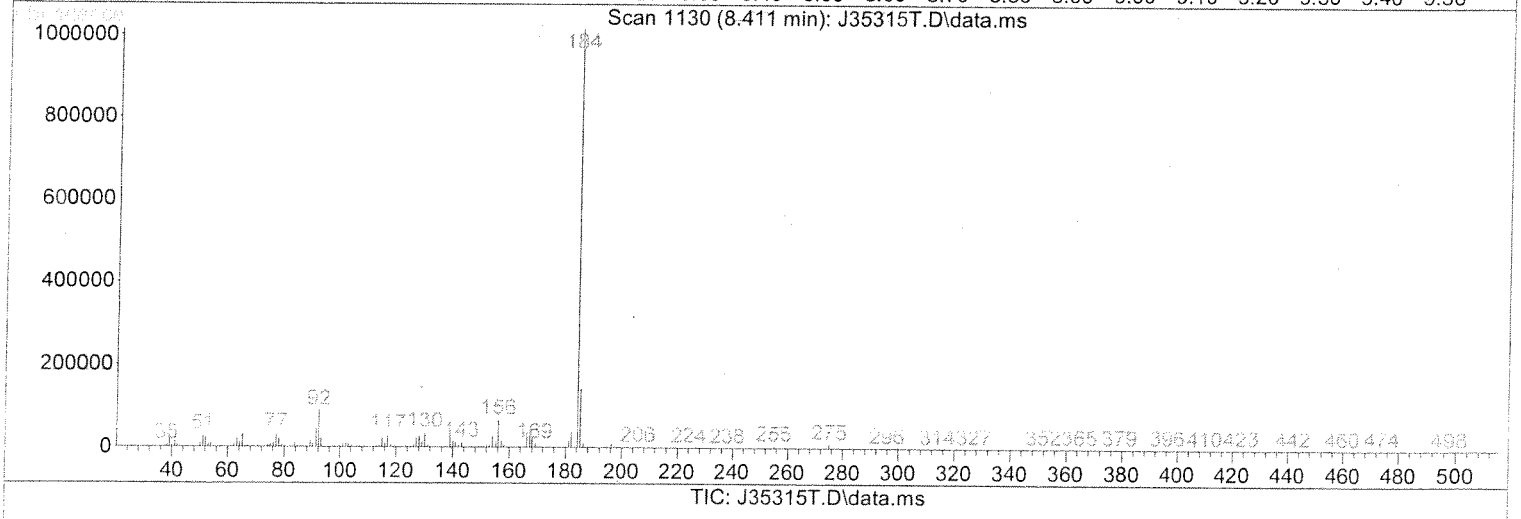
J8570

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35315T.D
Acq On : 14 Aug 2010 1:45 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:06:42 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

MK 8/14/10





(3) Benzidine (TM)

8.411min (-0.005) 17.52ug/ml

response 1084210

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	14.43#
92.00	0.00	8.67#
0.00	0.00	0.00

361570

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
DFTPP File ID: J35327T.D
DFTPP Injection Date: 08/14/10
DFTPP Injection Time: 6:19

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9937 ARO 20	J35328SC.D	8/14/10 6:42
B081110EASE,RR	J35338B.D	8/14/10 10:33
L081110EASE,RR	J35339Q.D	8/14/10 10:56
LD081110EASE,RR	J35340Q.D	8/14/10 11:19

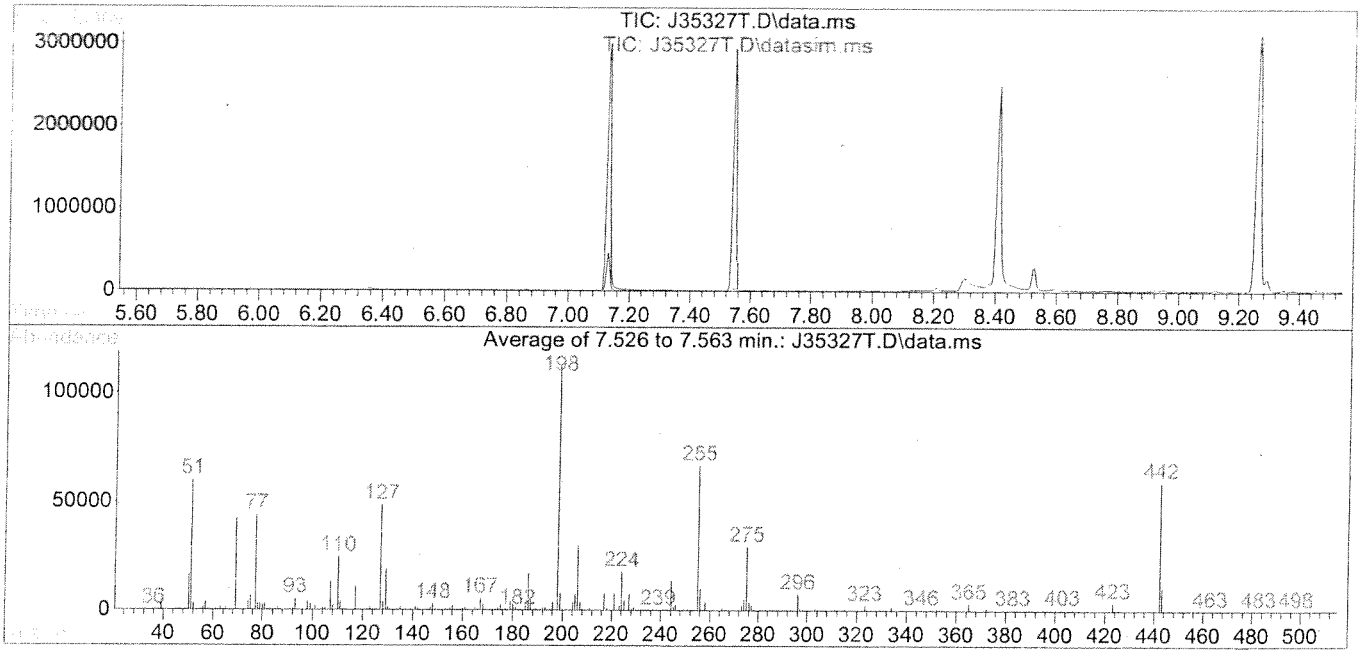
Refer to the DFTPP report J35327T.D for ion ratio evaluation.

EPH FORM 5

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35327T.D
Acq On : 14 Aug 2010 6:19 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Fri Aug 13 05:24:32 2010



Spectrum Information: Average of 7.526 to 7.563 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.9	59939	PASS
68	69	0.00	2	0.1	24	PASS
69	198	0.00	100	37.4	42388	PASS
70	69	0.00	2	0.5	205	PASS
127	198	40	60	42.9	48620	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	113349	PASS
199	198	5	9	6.8	7735	PASS
275	198	10	30	26.0	29432	PASS
365	198	1	100	2.9	3331	PASS
441	443	0.01	100	0.8	87	PASS
442	198	40	100	52.5	59465	PASS
443	442	17	23	17.7	10523	PASS

8/14/10

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50 NG**
Data File Name **J35327T.D**
Date Acquired **8/14/2010 6:19**

Name	Target Response
Pentachlorophenol	323332.00
Benzidine	1034968.00
DDE	1079.00
DDD	4336
DDT	741666

(0% - 20%)

%DDT BREAKDOWN = 0.72% **OK**

081410

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35327T.D
Acq On : 14 Aug 2010 6:19 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

8/14/10

Quant Time: Aug 14 06:52:35 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	7.132	266	323332	22.11 ug/ml	99
2) DFTPP	7.544	198	286809	23.74 ug/ml	100
3) Benzidine	8.411	184	1034968	16.72 ug/ml#	100
4) DDE	8.584	246	1079	0.73 ug/ml#	100
5) DDD	8.926	235	4336	0.27 ug/ml#	43
6) DDT	9.263	235	741666	24.17 ug/ml#	100

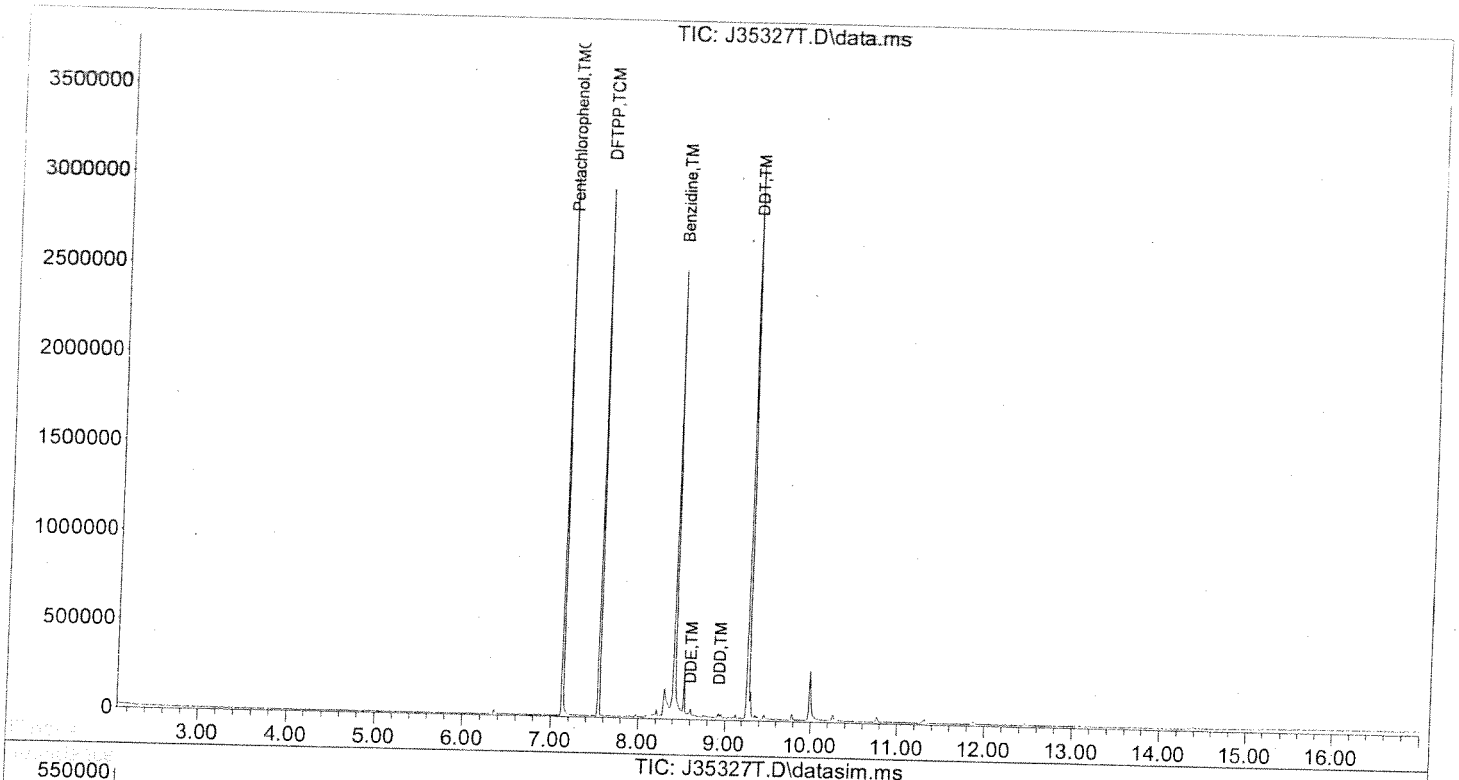
(#) = qualifier out of range (m) = manual integration (+) = signals summed

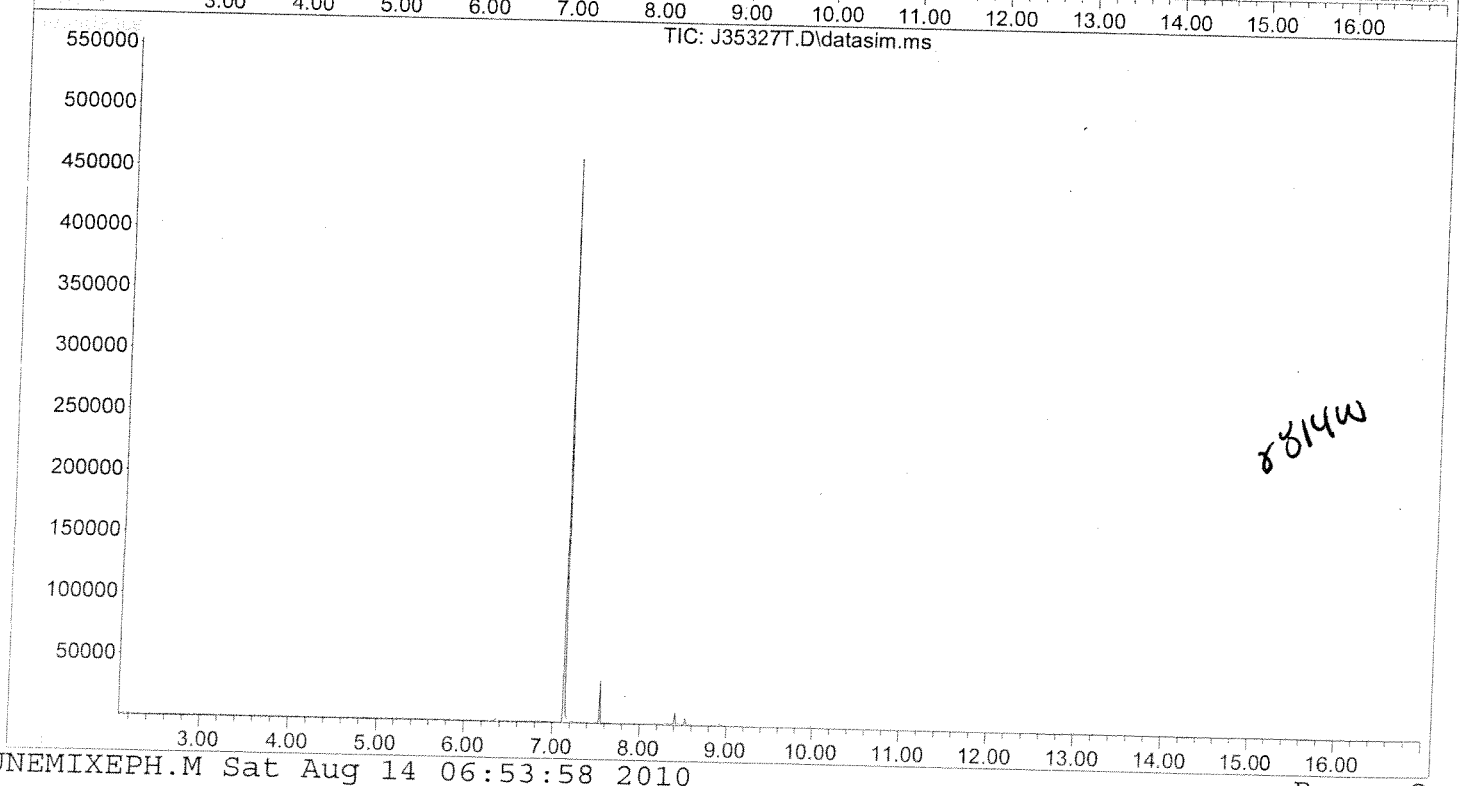
581400

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35327T.D
Acq On : 14 Aug 2010 6:19 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:52:35 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

8/14/10



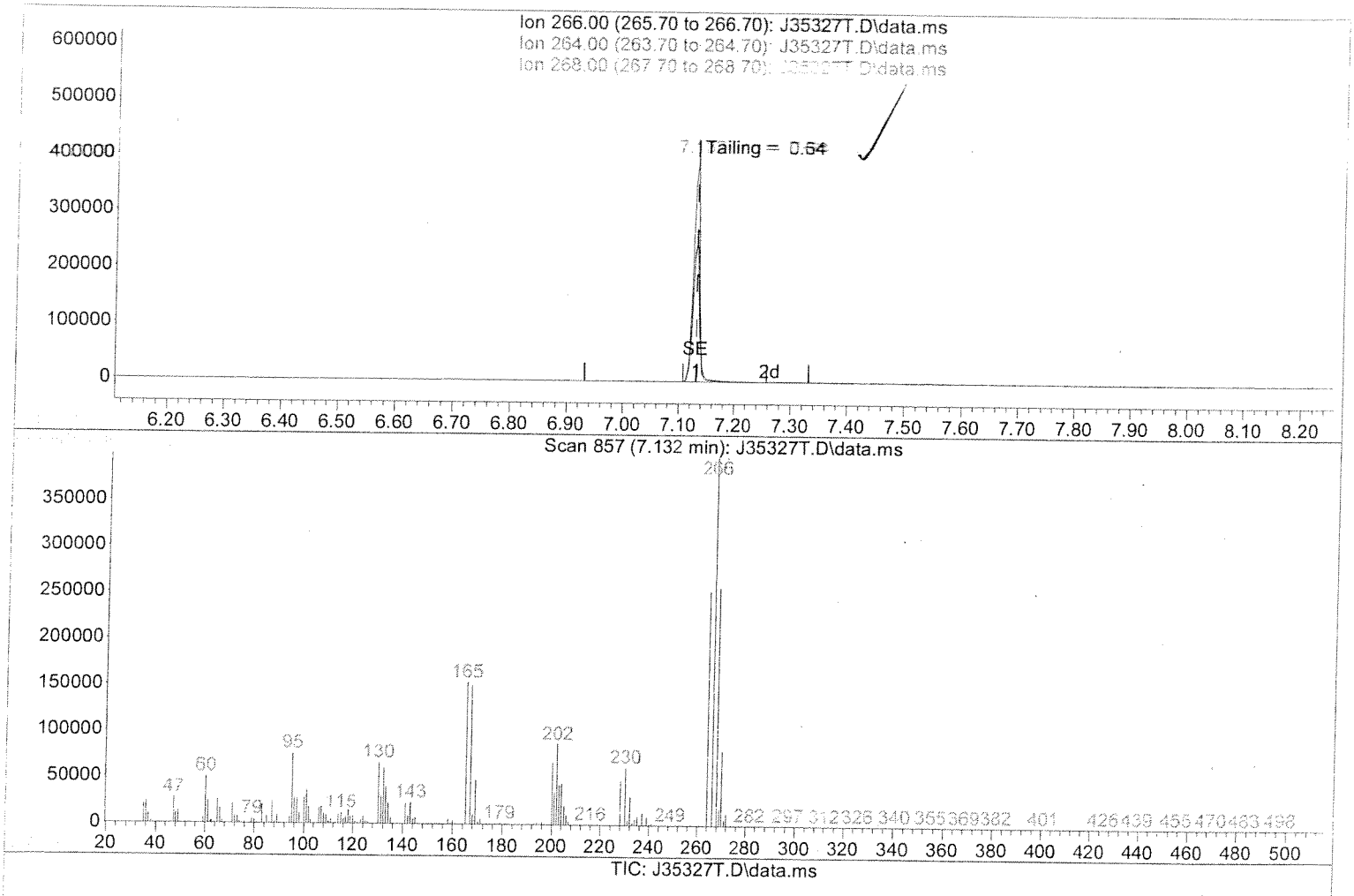


8/14/10

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35327T.D
Acq On : 14 Aug 2010 6:19 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:52:35 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

8/14/10



(1) Pentachlorophenol (TMC)

7.132min (+0.000) 22.11ug/ml

response 323332

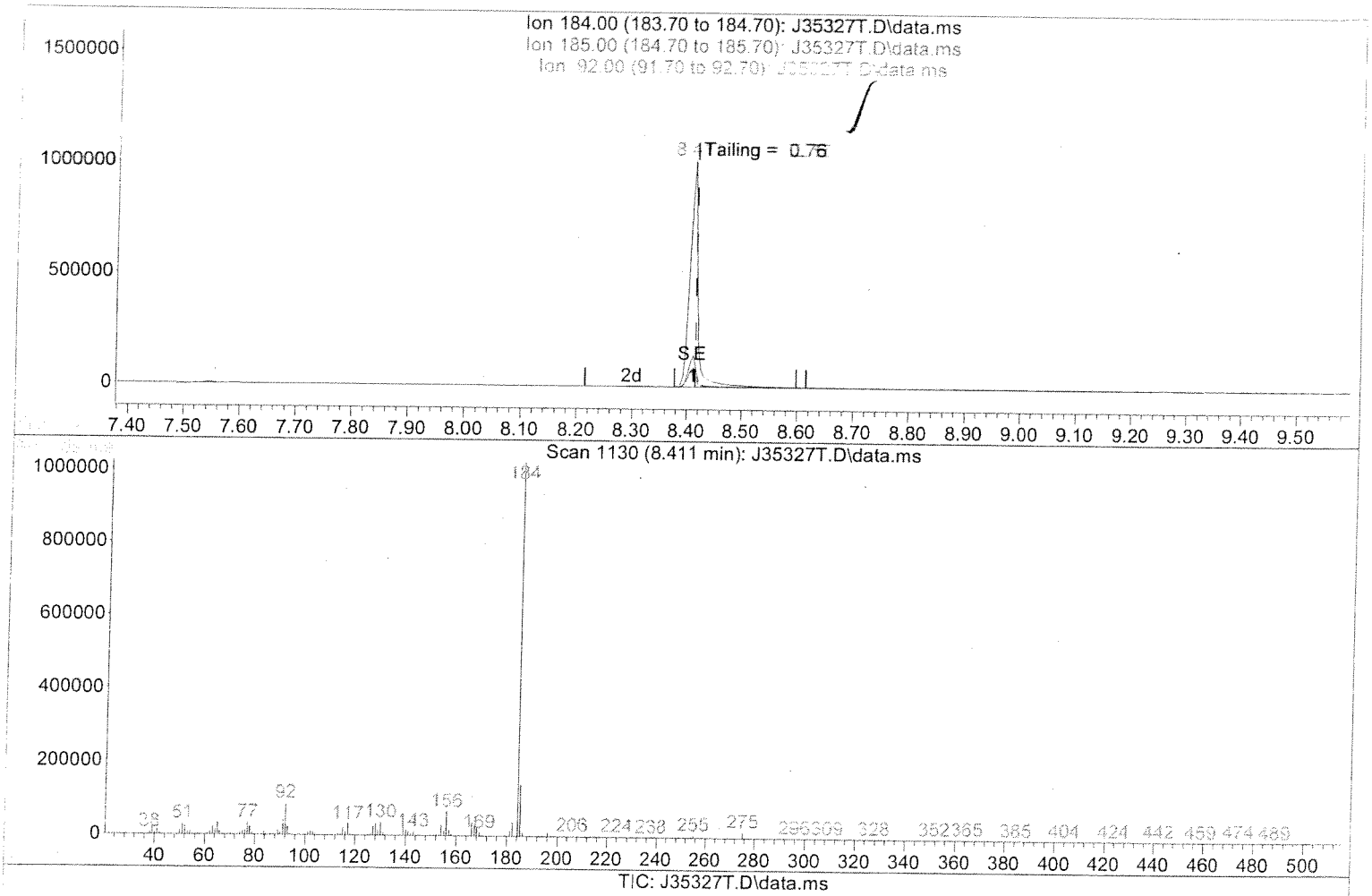
Ion	Exp%	Act%
266.00	100	100
264.00	63.50	63.34
268.00	64.40	63.27
0.00	0.00	0.00

58140

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35327T.D
Acq On : 14 Aug 2010 6:19 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:52:35 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

8/14/10



(3) Benzidine (TM)

8.411min (-0.005) 16.72ug/ml

response 1034968

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	14.08#
92.00	0.00	8.46#
0.00	0.00	0.00

081410

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010

Nro 50 5(0

Calibration Files

5	=D71447SI.D	10	=D71448SI.D	20	=D71449SI.D
40	=D71450SI.D	50	=D71451SI.D	100	=D71452SI.D

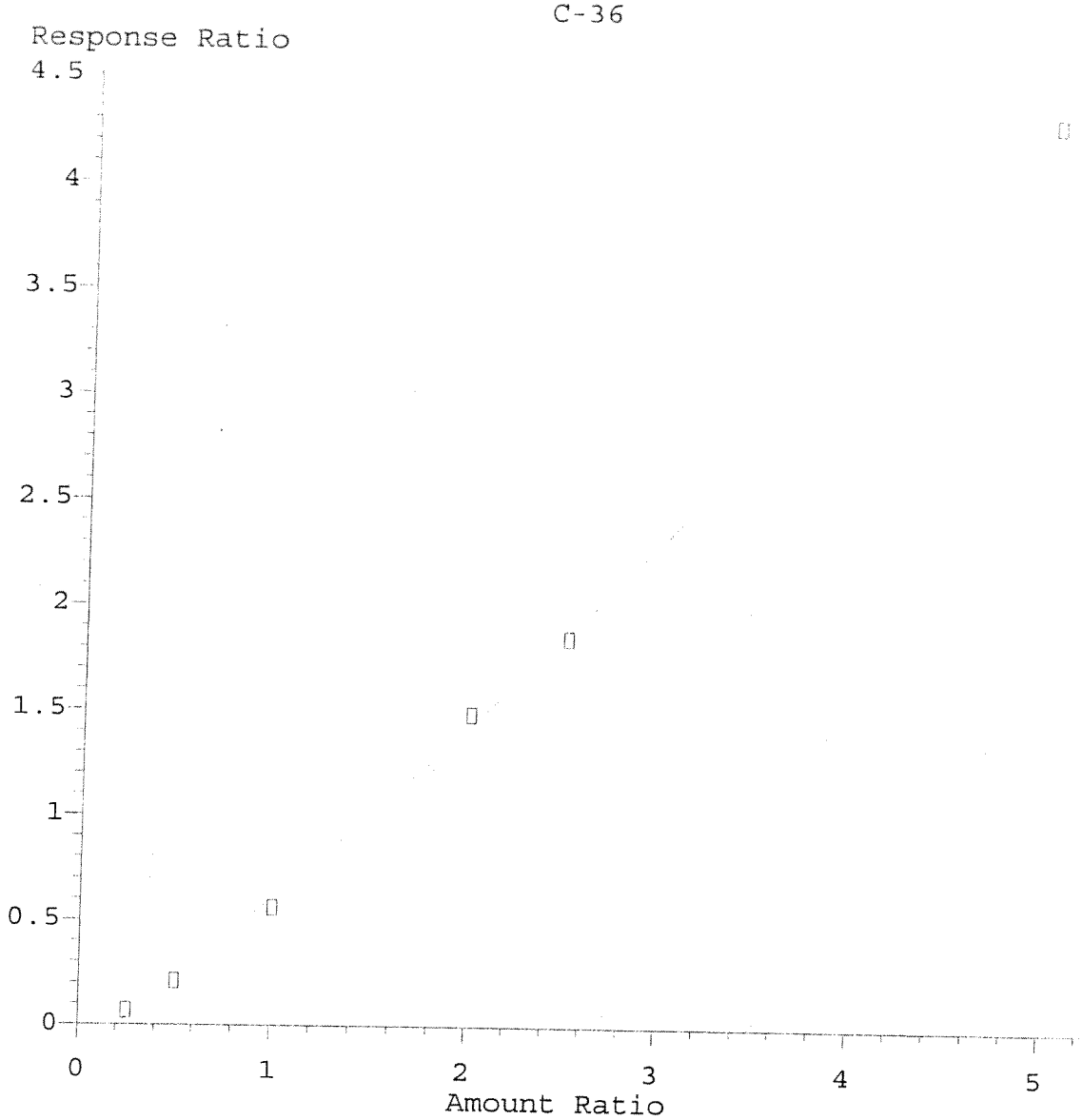
Compound	5	10	20	40	50	100	Avg	%R
1) I 5-alpha-Androstane	----------ISTD----------							
2) TZM C-9	1.183	1.207	1.210	1.297	1.278	1.277	1.242 0	3.8
3) TZM C-10	1.208	1.243	1.232	1.328	1.325	1.283	1.270 0	3.9
4) TZM C-12	1.226	1.320	1.372	1.449	1.422	1.394	1.364 0	5.9
5) TZM C-14	1.287	1.336	1.376	1.498	1.486	1.410	1.399 0	5.9
6) TZM C-16	1.221	1.308	1.370	1.410	1.411	1.381	1.350 0	5.4
7) TZM C-18	1.202	1.290	1.351	1.451	1.435	1.329	1.343 0	6.8
8) XH C9-C18 ✓	1.221	1.284	1.319	1.405	1.393	1.346	1.328 0	5.2
9) TZM C-19	1.201	1.280	1.351	1.418	1.425	1.296	1.329 0	6.5
10) TZM C-20	1.160	1.240	1.286	1.445	1.394	1.287	1.302 0	7.9
11) S 1-Chlorooctadecane	1.087	1.167	1.211	1.310	1.301	1.288	1.227 0	7.2
12) TZM C-22	1.146	1.251	1.294	1.401	1.365	1.282	1.290 0	6.9
13) TZM C-24	0.999	1.219	1.235	1.377	1.347	1.251	1.238 0	10.7
14) TZM C-26	0.897	1.133	1.184	1.311	1.208	1.147	1.147 0	12.0
15) TZM C-28	0.701	0.966	1.045	1.149	1.115	1.062	1.006 0	16.1
16) TZM C-30	0.584	0.821	0.931	1.078	1.043	0.979	0.906 0	20.0
17) TZM C-36	0.268	0.418	0.560	0.742	0.740	0.860	0.598 0	37.5
18) XH C19-C36 ✓	0.869	1.041	1.111	1.240	1.205	1.145	1.102 0	12.1

✓ PK 8/5/10

(#) = Out of Range

N1080570

C-36



R = 3.32e-002 A*A + 7.24e-001 A - 1.48e-001
Curve Fit: Quadratic

Method Name: D:\HPCHEM\1\METHODS\ALG80410.M
Calibration Table Last Updated: Thu Aug 05 08:16:42 2010

JON 8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71447SI.D Vial: 2
Acq On : 5 Aug 2010 2:18 am Operator: AR/NP
Sample : S9700 ALI 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N 080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6392677	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	694715	1.771 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	8.85%#
Target Compounds			
2) TZM C-9	4.24	1891193	4.764 ug/ml
3) TZM C-10	5.20	1931056	4.757 ug/ml
4) TZM C-12	6.66	1959344	4.494 ug/ml
5) TZM C-14	7.84	2056697	4.600 ug/ml
6) TZM C-16	8.86	1951643	4.522 ug/ml
7) TZM C-18	9.77	1921309	4.476 ug/ml
8) XH C9-C18	7.58	13597137	32.033 ug/ml
9) TZM C-19	10.20	1920131	4.522 ug/ml
10) TZM C-20	10.65	1853445	4.454 ug/ml
12) TZM C-22	11.68	1831839	4.443 ug/ml
13) TZM C-24	13.01	1596452	4.034 ug/ml
14) TZM C-26	14.50	1432921	3.910 ug/ml
15) TZM C-28	16.04	1119751	3.482 ug/ml
16) TZM C-30	17.55	933127	3.223 ug/ml
17) TZM C-36	21.63	428162	5.856 ug/ml
18) XH C19-C36	12.10	18819045	53.433 ug/ml

JM 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

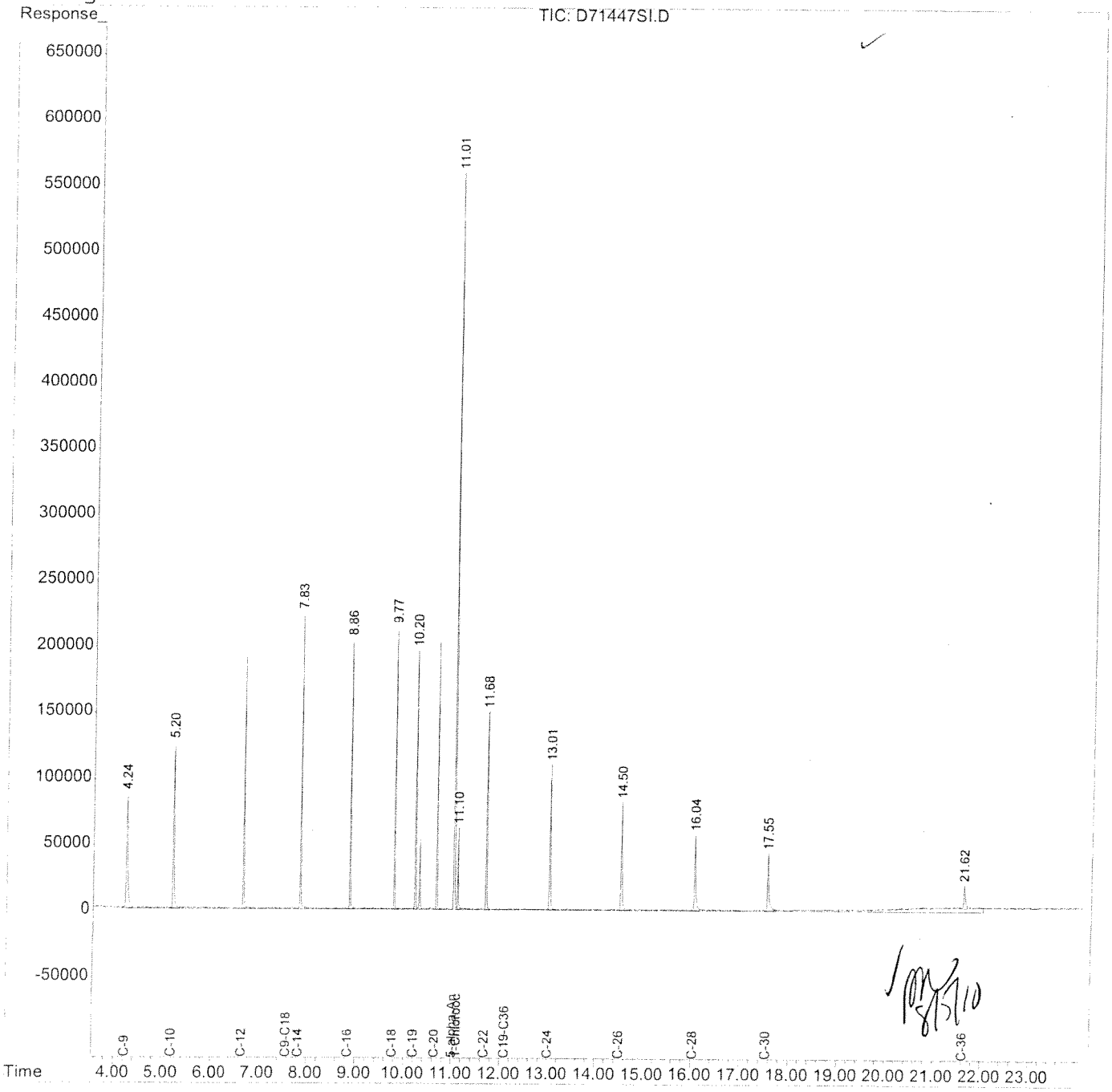
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71447SI.D
Acq On : 5 Aug 2010 2:18 am
Sample : S9700 ALI 5
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71448SI.D
Acq On : 5 Aug 2010 2:48 am
Sample : S9701 ALI 10
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 3
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6336218	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	1479291	3.804 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	19.02%#
Target Compounds			
2) TZM C-9	4.24	3822700	9.716 ug/ml
3) TZM C-10	5.20	3938623	9.789 ug/ml
4) TZM C-12	6.66	4181325	9.677 ug/ml
5) TZM C-14	7.84	4233963	9.554 ug/ml
6) TZM C-16	8.86	4142955	9.685 ug/ml
7) TZM C-18	9.78	4088278	9.608 ug/ml
8) XH C9-C18	7.58	26462635	62.897 ug/ml
9) TZM C-19	10.20	4053948	9.632 ug/ml
10) TZM C-20	10.65	3929689	9.527 ug/ml
12) TZM C-22	11.68	3962671	9.698 ug/ml
13) TZM C-24	13.01	3863046	9.849 ug/ml
14) TZM C-26	14.50	3588388	9.878 ug/ml
15) TZM C-28	16.04	3060440	9.601 ug/ml
16) TZM C-30	17.55	2600258	9.060 ug/ml
17) TZM C-36	21.63	1322837	9.639 ug/ml
18) XH C19-C36	12.10	35862300	102.732 ug/ml

8/5/10

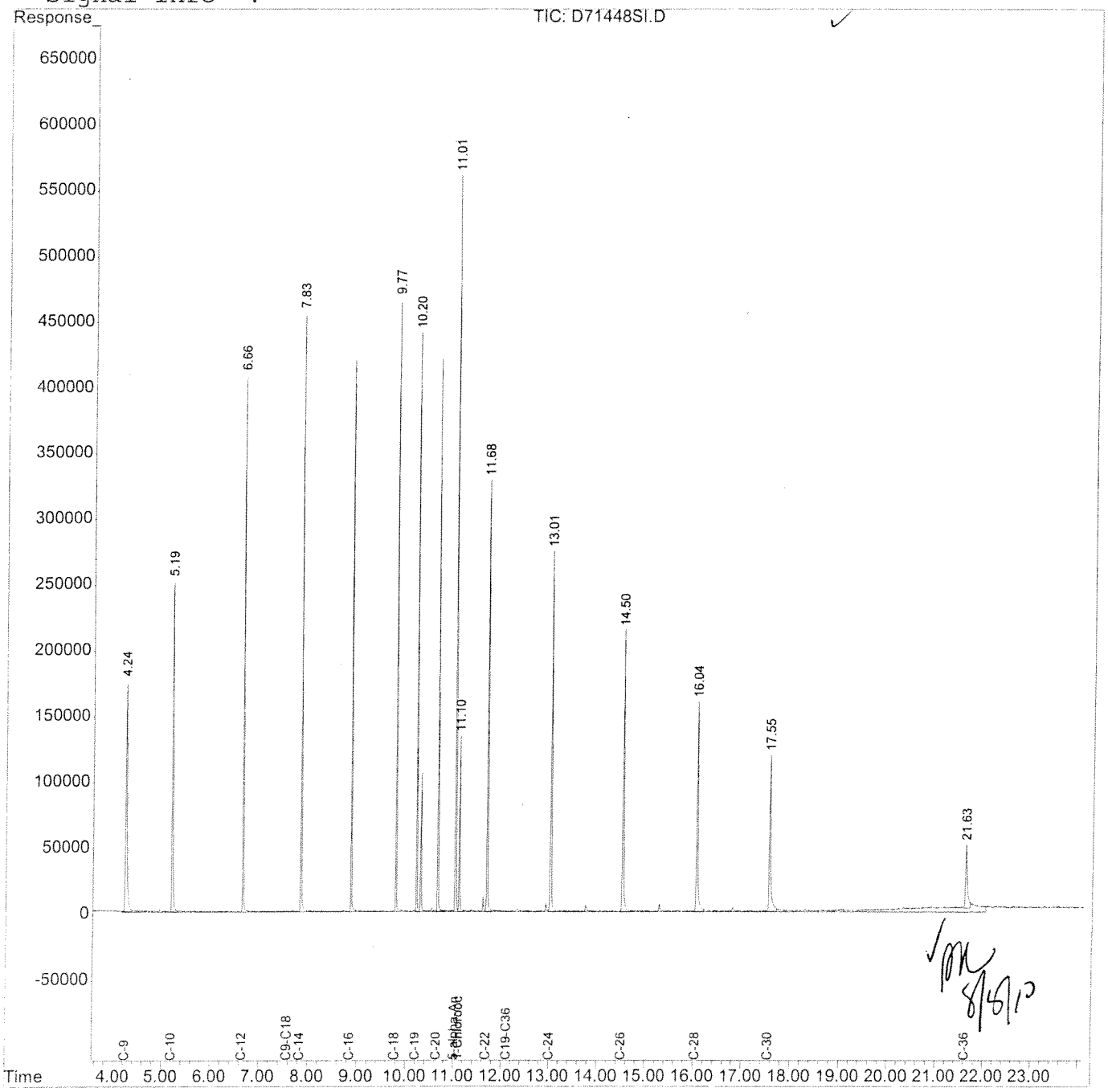
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71448SI.D Vial: 3
Acq On : 5 Aug 2010 2:48 am Operator: AR/NP
Sample : S9701 ALI 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration NP080410
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71449SI.D Vial: 4
Acq On : 5 Aug 2010 3:19 am Operator: AR/NP
Sample : S9702 ALI 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ NO 80410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7097682	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	3438982	7.895 ug/ml
Spiked Amount 20.000 Range 40 - 140 Recovery = 39.48%#			
Target Compounds			
2) TZM C-9	4.24	8588165	19.486 ug/ml
3) TZM C-10	5.20	8746659	19.406 ug/ml
4) TZM C-12	6.66	9739787	20.122 ug/ml
5) TZM C-14	7.84	9764383	19.669 ug/ml
6) TZM C-16	8.86	9726068	20.297 ug/ml
7) TZM C-18	9.77	9590287	20.121 ug/ml
8) XH C9-C18	7.58	59053936	125.303 ug/ml
9) TZM C-19	10.20	9591604	20.344 ug/ml
10) TZM C-20	10.65	9128743	19.757 ug/ml
12) TZM C-22	11.68	9185337	20.067 ug/ml
13) TZM C-24	13.01	8763475	19.947 ug/ml
14) TZM C-26	14.50	8407095	20.660 ug/ml
15) TZM C-28	16.04	7415225	20.766 ug/ml
16) TZM C-30	17.55	6607521	20.553 ug/ml
17) TZM C-36	21.63	3975883	18.754 ug/ml
18) XH C19-C36	12.10	74373245	190.194 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

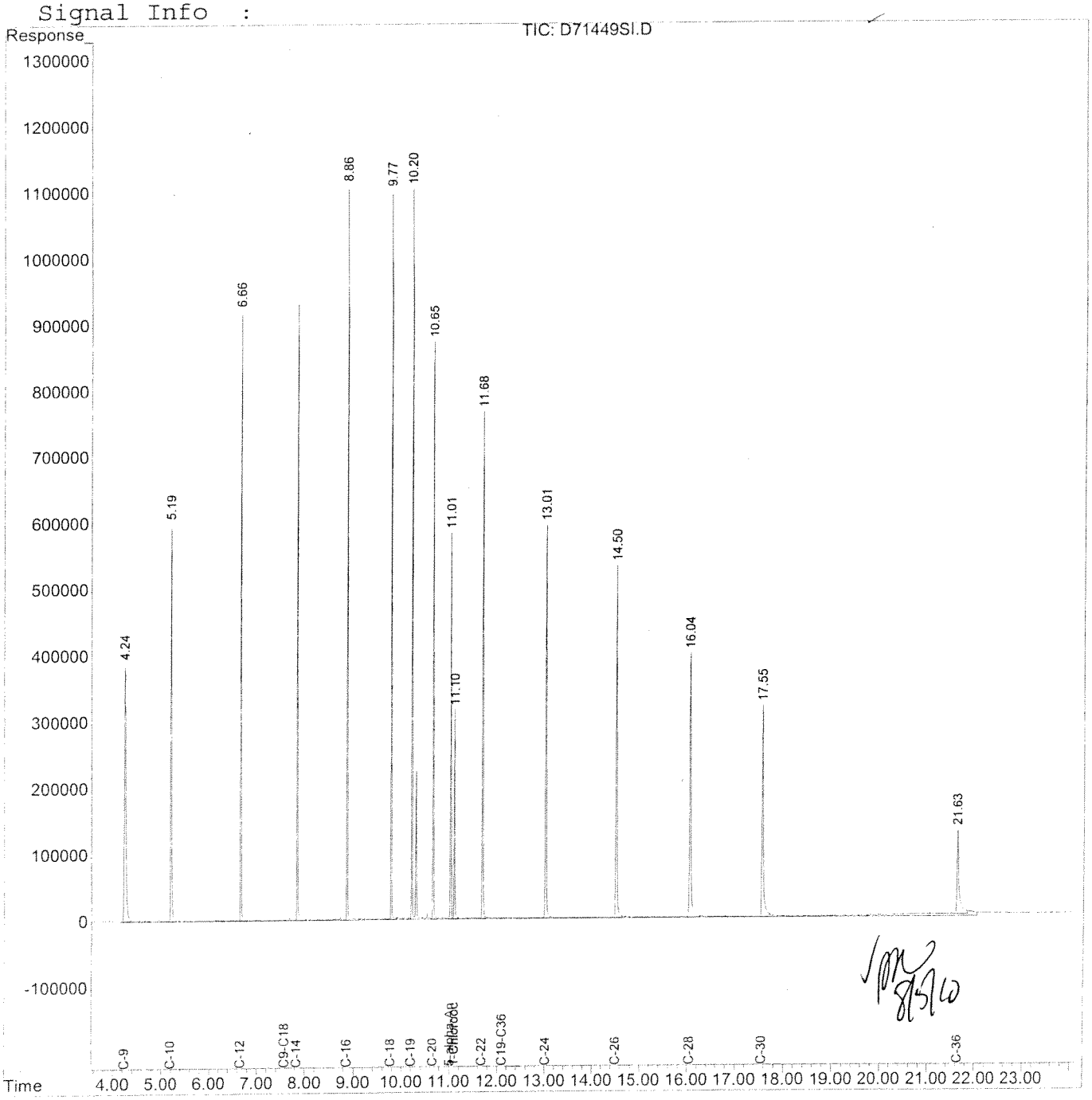
Data File : D:\HPCHEM\1\DATA\080410-D\D71449SI.D
Acq On : 5 Aug 2010 3:19 am
Sample : S9702 ALI 20
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 4
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

AN080410

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D
Acq On : 5 Aug 2010 3:49 am
Sample : S9936 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 5
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

N080410

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6995121	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	7331733	17.080 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.40%
Target Compounds			
2) TZM C-9	4.24	18142546	41.768 ug/ml
3) TZM C-10	5.20	18581737	41.832 ug/ml
4) TZM C-12	6.66	20277452	42.507 ug/ml
5) TZM C-14	7.84	20955405	42.832 ug/ml
6) TZM C-16	8.86	19724958	41.766 ug/ml
7) TZM C-18	9.78	20294947	43.204 ug/ml
8) XH C9-C18	7.58	121466705	261.512 ug/ml
9) TZM C-19	10.21	19831232	42.680 ug/ml
10) TZM C-20	10.65	20212359	44.386 ug/ml
12) TZM C-22	11.68	19594057	43.434 ug/ml
13) TZM C-24	13.02	19266627	44.496 ug/ml
14) TZM C-26	14.51	18335389	45.718 ug/ml
15) TZM C-28	16.05	16077236	45.684 ug/ml
16) TZM C-30	17.56	15083647	47.606 ug/ml
17) TZM C-36	21.64	10386932	41.215 ug/ml
18) XH C19-C36	12.10	154317013	400.420 ug/ml

JM 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

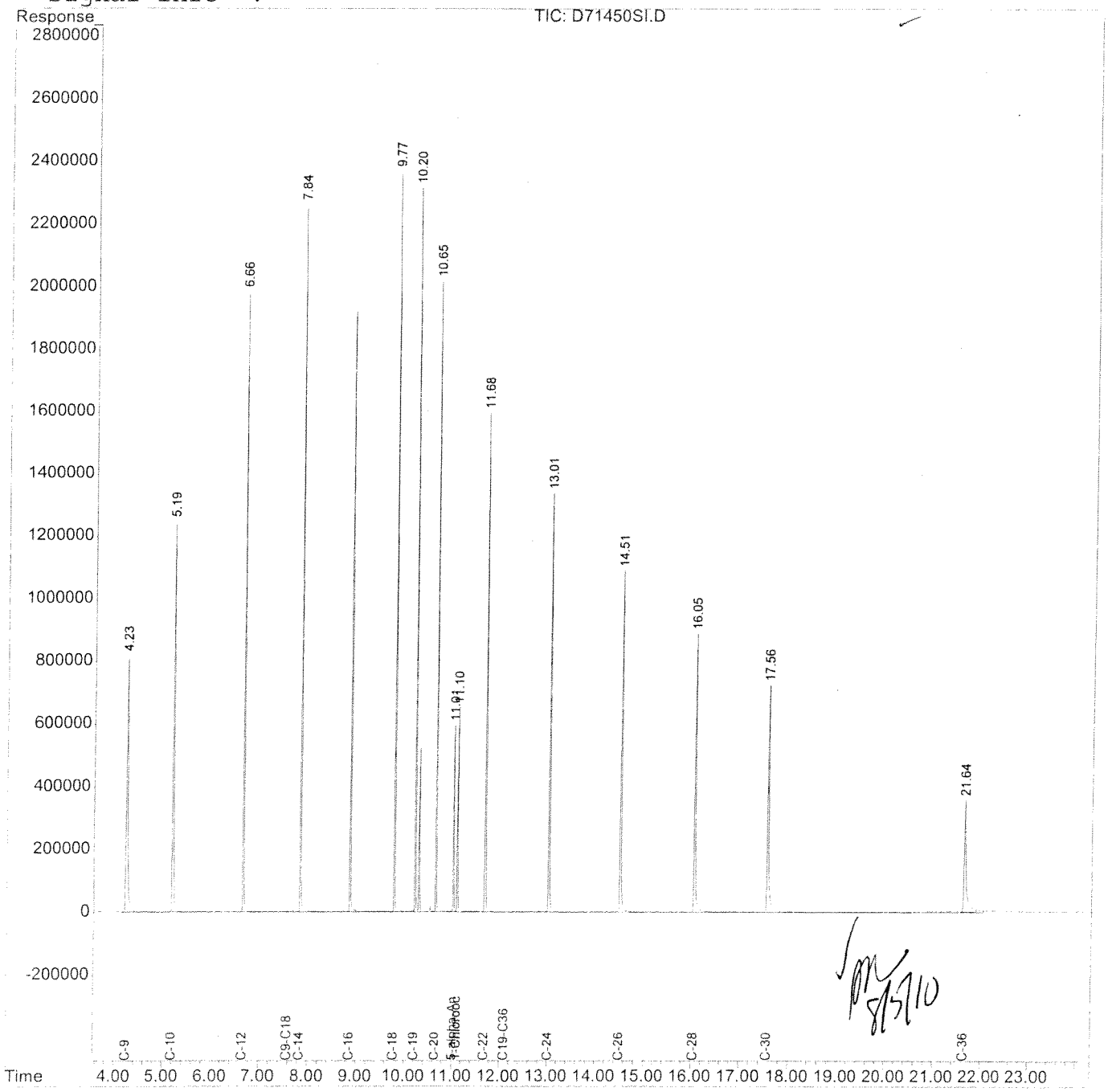
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D Vial: 5
Acq On : 5 Aug 2010 3:49 am Operator: AR/NP
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NPC 8/4/10

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71451SI.D
Acq On : 5 Aug 2010 4:20 am
Sample : S9704 ALI 50
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 6
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Np080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6719901	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.11	8740750	21.196 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery = 105.98%	
Target Compounds			
2) TZM C-9	4.23	21471611	51.457 ug/ml
3) TZM C-10	5.20	22257625	52.159 ug/ml
4) TZM C-12	6.66	23885748	52.122 ug/ml
5) TZM C-14	7.84	24969534	53.126 ug/ml
6) TZM C-16	8.86	23711711	52.264 ug/ml
7) TZM C-18	9.78	24100785	53.407 ug/ml
8) XH C9-C18	7.58	143898899	322.496 ug/ml
9) TZM C-19	10.21	23935439	53.622 ug/ml
10) TZM C-20	10.65	23417674	53.531 ug/ml
12) TZM C-22	11.69	22935371	52.923 ug/ml
13) TZM C-24	13.02	22630520	54.406 ug/ml
14) TZM C-26	14.51	20297682	52.684 ug/ml
15) TZM C-28	16.05	18730549	55.403 ug/ml
16) TZM C-30	17.56	17517785	57.553 ug/ml
17) TZM C-36	21.64	12428650	49.555 ug/ml
18) XH C19-C36	12.10	179826756	485.724 ug/ml

JM 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

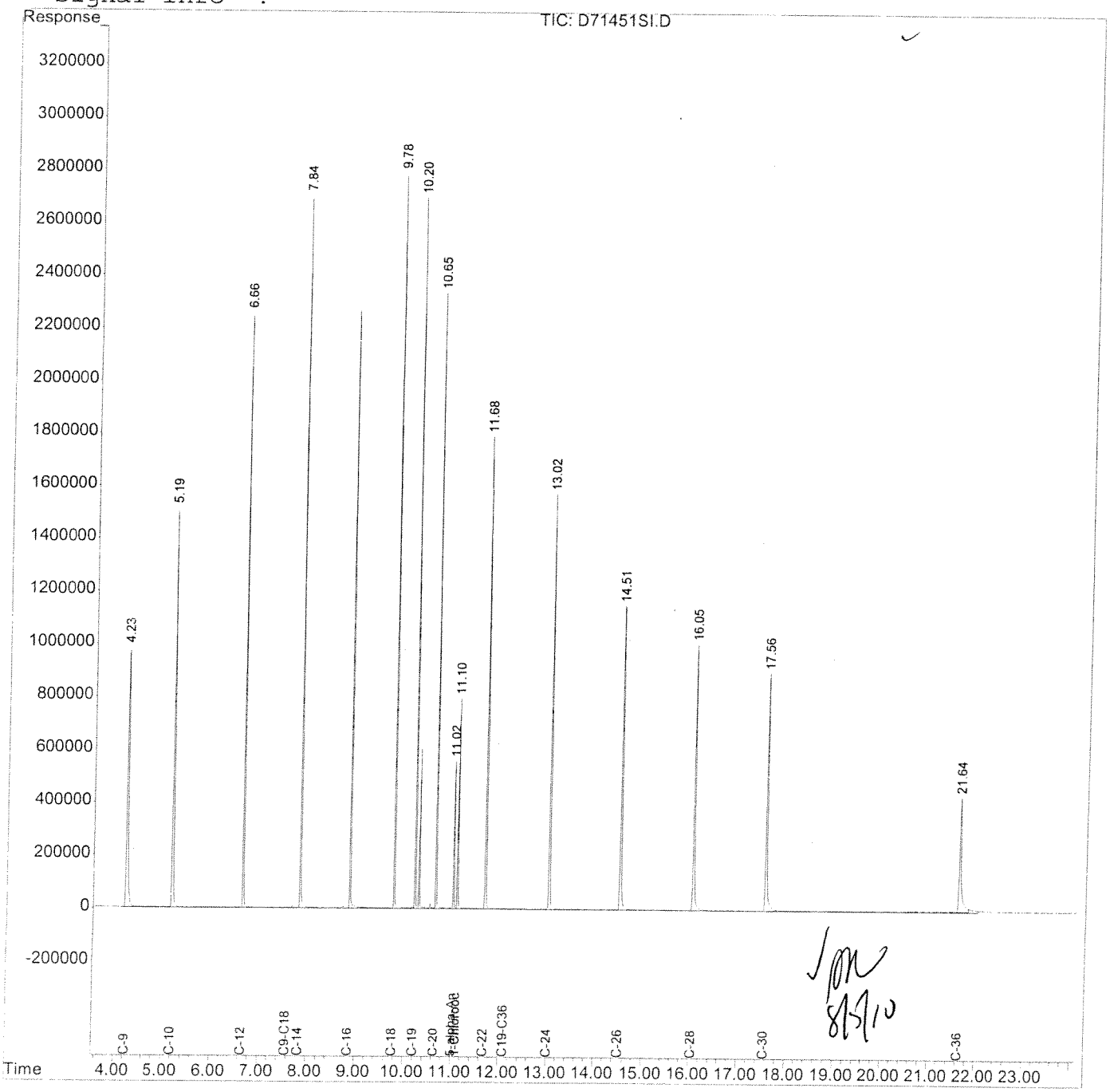
Data File : D:\HPCHEM\1\DATA\080410-D\D71451SI.D
Acq On : 5 Aug 2010 4:20 am
Sample : S9704 ALI 50
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 6
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

N 080410

Volume Inj. :
Signal Phase :
Signal Info :



JPN 8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71452SI.D
Acq On : 5 Aug 2010 4:50 am
Sample : S9705 ALI 100
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 7
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

LTS 80410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6944560	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.11	17886066	41.970 ug/ml
Spiked Amount 20.000	Range 40 - 140	Recovery =	209.85%#
Target Compounds			
2) TZM C-9	4.24	44324733	102.789 ug/ml
3) TZM C-10	5.20	44561099	101.047 ug/ml
4) TZM C-12	6.67	48409664	102.219 ug/ml
5) TZM C-14	7.84	48952535	100.784 ug/ml
6) TZM C-16	8.87	47958211	102.288 ug/ml
7) TZM C-18	9.78	46158283	98.978 ug/ml
8) XH C9-C18	7.58	285737875	619.660 ug/ml
9) TZM C-19	10.21	45011659	97.577 ug/ml
10) TZM C-20	10.66	44684225	98.841 ug/ml
12) TZM C-22	11.69	44512571	99.390 ug/ml
13) TZM C-24	13.03	43429087	101.030 ug/ml
14) TZM C-26	14.52	39840863	100.065 ug/ml
15) TZM C-28	16.06	36863838	105.513 ug/ml
16) TZM C-30	17.57	33990751	108.060 ug/ml
17) TZM C-36	21.66	29861269	99.974 ug/ml
18) XH C19-C36	12.10	345902377	904.079 ug/ml

✓ 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantification Report (Not Reviewed)

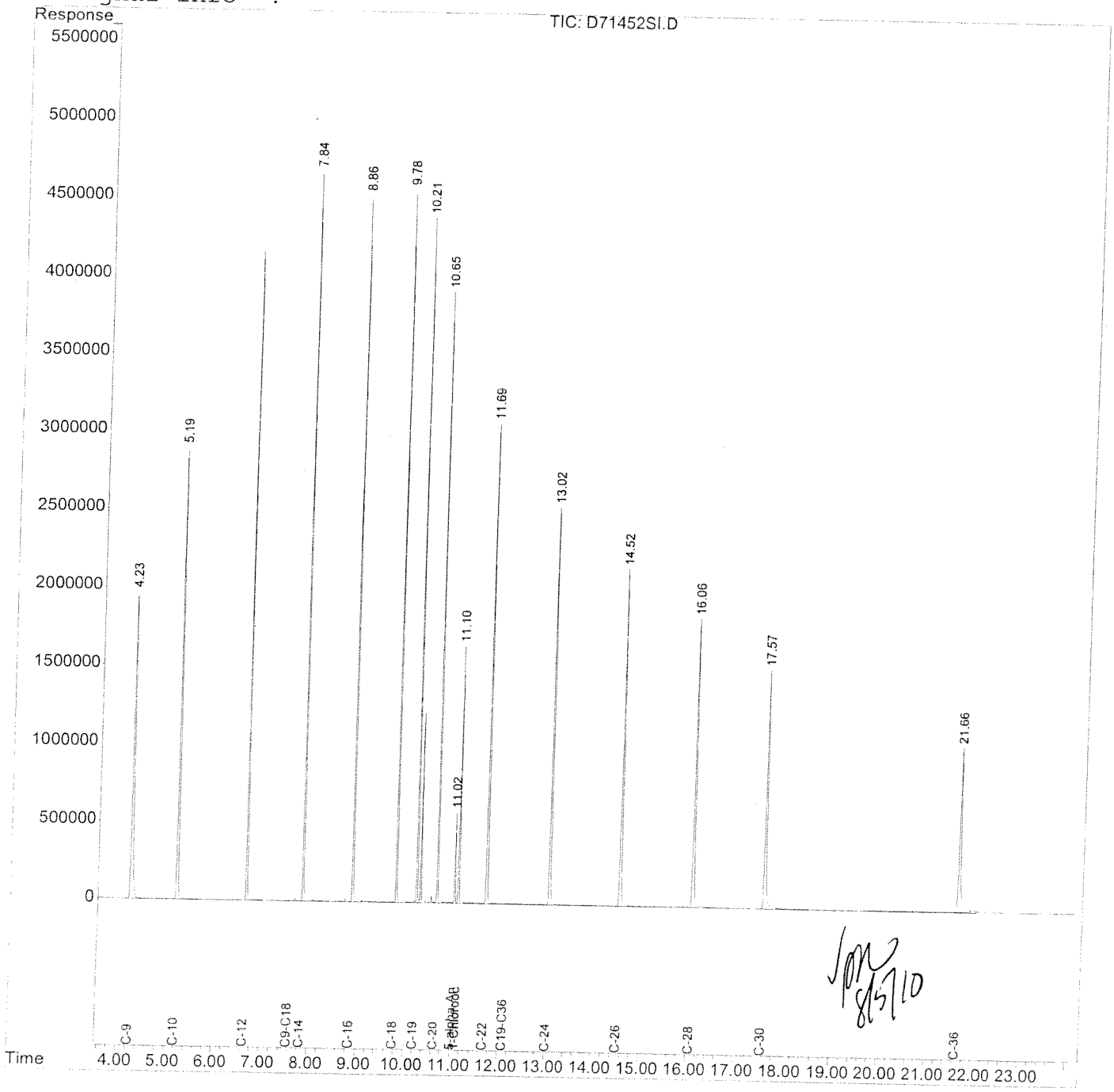
Data File : D:\HPCHEM\1\DATA\080410-D\D71452SI.D
Acq On : 5 Aug 2010 4:50 am
Sample : S9705 ALI 100
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 7
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NYS 80410

Volume Inj. :
Signal Phase :
Signal Info :



JOM 8/5/10

GC ALIPHATIC
2ND SOURCE CHECK

Data File Name D71453.D
Sample Name S9715 ALI 20 ICV
Date Acquired 8/5/2010 5:21

N080410

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
C-9	20.65	20	103%	OK	20.65		
C-10	21.26	20	106%	OK	21.26		
C-12	22.50	20	113%	OK	22.50		
C-14	21.19	20	106%	OK	21.19		
C-16	21.45	20	107%	OK	21.45		
C-18	20.57	20	103%	OK	20.57		
C9-C18		120			**127.62**	106%	OK
C-19	20.54	20	103%	OK	20.54		
C-20	21.18	20	106%	OK	21.18		
C-22	21.05	20	105%	OK	21.05		
C-24	20.76	20	104%	OK	20.76		
C-26	20.40	20	102%	OK	20.40		
C-28	21.22	20	106%	OK	21.22		
C-30	20.68	20	103%	OK	20.68		
C-36	18.98	20	95%	OK	18.98		
C19-C36		160			**164.81**	103%	OK
1-Chlorooctadecane	19.20	20	96%	OK			

JPM 8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71453.D
Acq On : 5 Aug 2010 5:21 am
Sample : S9715 ALI 20 ICV
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 8
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

NP 8/10/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6985246	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	8231904	19.204 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	96.02%
Target Compounds			
2) TZM C-9	4.22	8955604	20.647 ug/ml
3) TZM C-10	5.19	9430103	21.259 ug/ml
4) TZM C-12	6.66	10720219	22.504 ug/ml
5) TZM C-14	7.84	10353883	21.193 ug/ml
6) TZM C-16	8.86	10118153	21.455 ug/ml
7) TZM C-18	9.77	9647389	20.566 ug/ml
8) XH C9-C18	7.58	64711701	139.518 ug/ml
9) TZM C-19	10.20	9531821	20.543 ug/ml
10) TZM C-20	10.65	9632283	21.182 ug/ml
12) TZM C-22	11.68	9484344	21.054 ug/ml
13) TZM C-24	13.01	8975020	20.757 ug/ml
14) TZM C-26	14.51	8171275	20.404 ug/ml
15) TZM C-28	16.05	7456659	21.218 ug/ml
16) TZM C-30	17.55	6541762	20.676 ug/ml
17) TZM C-36	21.64	3973572	18.975 ug/ml
18) XH C19-C36	12.10	80336204	208.750 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window
(m)=manual int.

Quantitation Report (Not Reviewed)

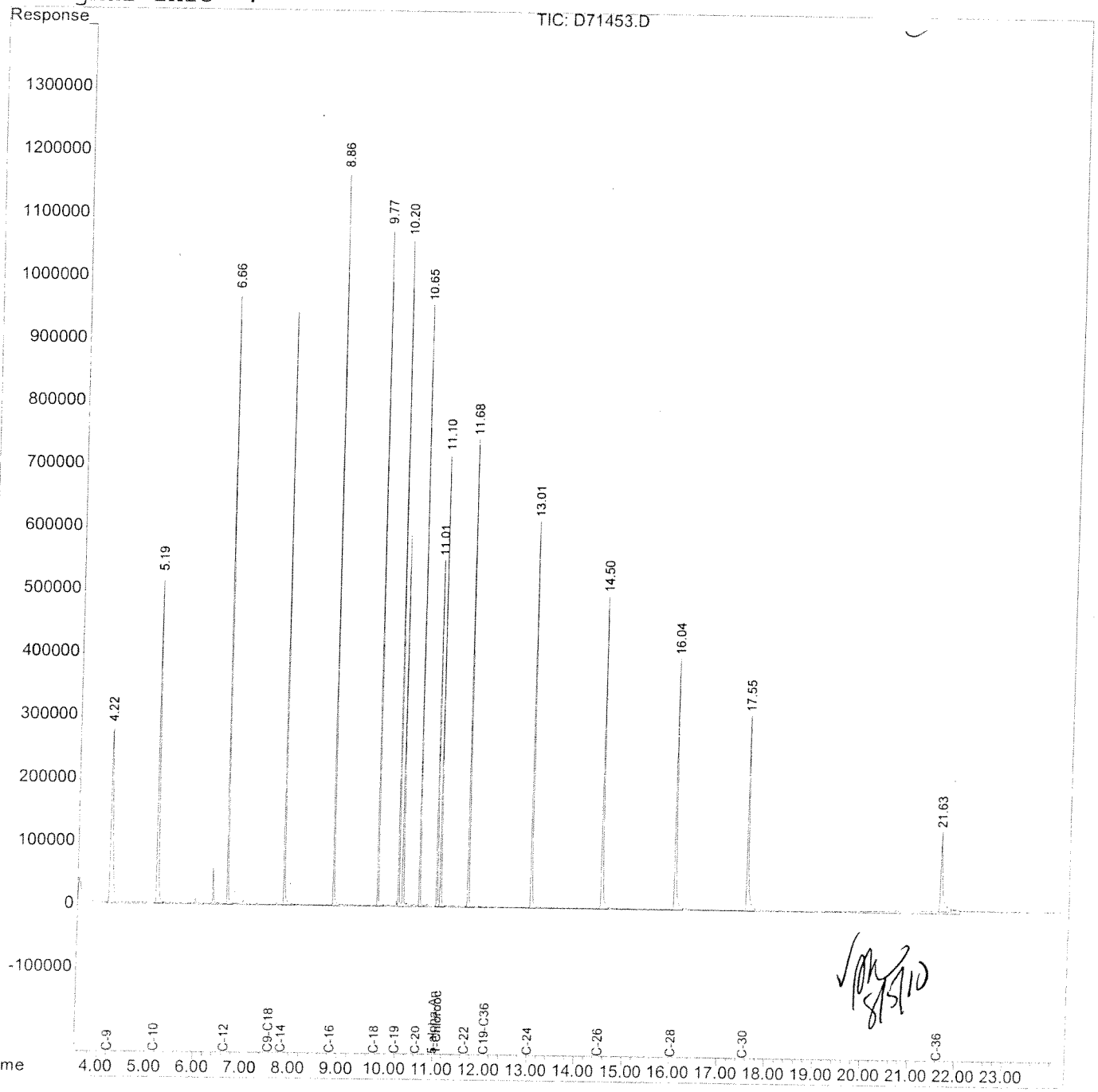
Data File : D:\HPCHEM\1\DATA\080410-D\D71453.D
Acq On : 5 Aug 2010 5:21 am
Sample : S9715 ALI 20 ICV
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 8
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

N080410

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Initial Calibration

PM 8/6/10

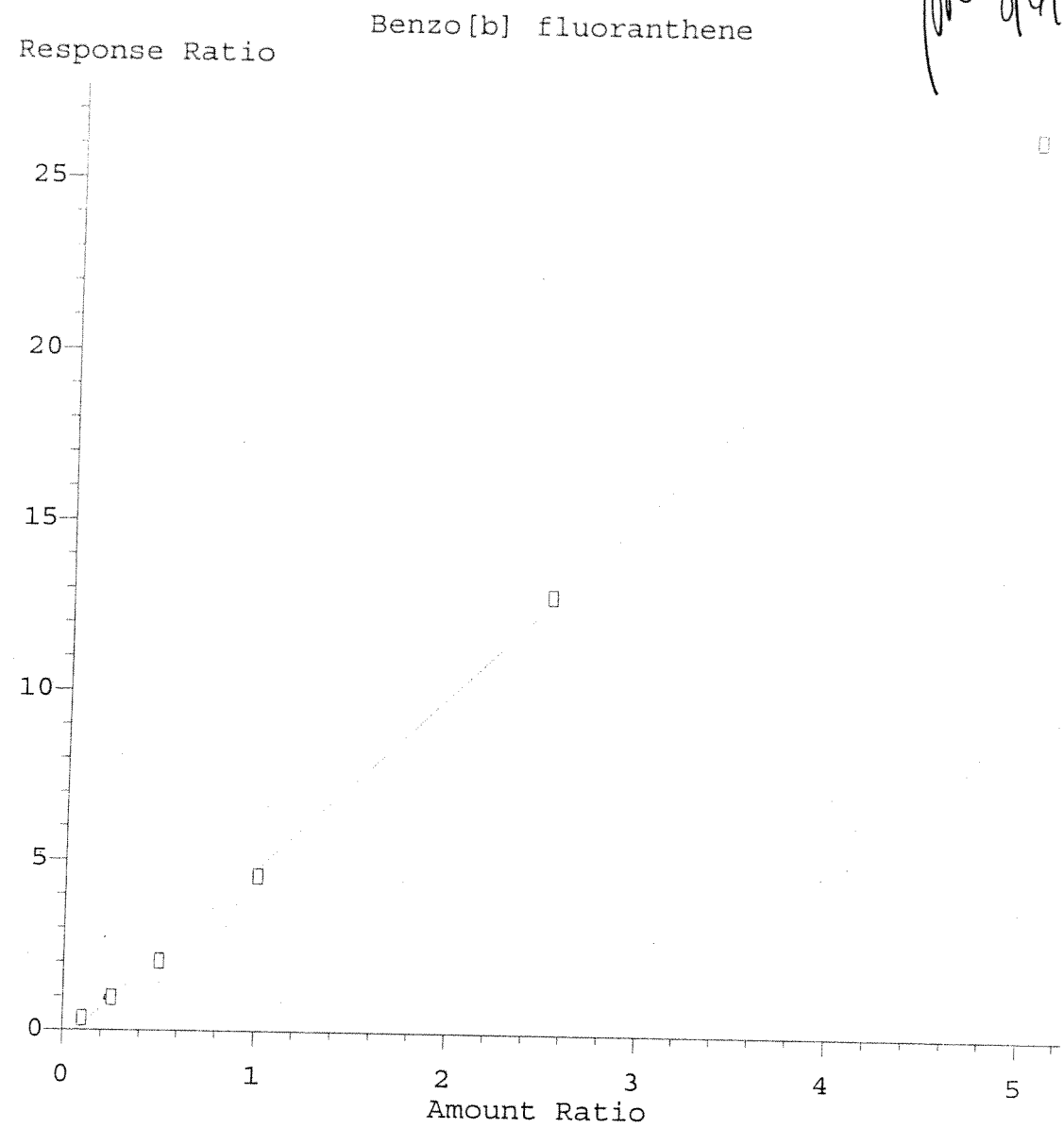
Calibration Files
2 =D71454SI.D 5 =D71455SI.D 10 =D71456SI.D
20 =D71457SI.D 50 =D71458SI.D 100 =D71459SI.D

		Compound	2	5	10	20	50	100	Avg	%RSD
1)	I	5-alpha-Androstane	----------ISTD----------							
2)	TM	Naphthalene	7.529	8.067	8.021	8.065	8.411	8.319	8.069	3.81
3)	TM	2-Methylnaphthalene	4.272	4.227	4.490	4.367	4.567	4.461	4.397	3.00
4)	TM	Acenaphthylene	7.175	7.196	7.568	7.725	7.847	8.054	7.594	4.67
5)	TM	Acenaphthene	3.988	4.266	4.200	4.253	4.341	4.381	4.238	3.27
6)	TM	Fluorene	4.766	4.754	4.726	5.019	5.094	5.183	4.924	4.04
7)	TM	Phenanthrene	5.790	6.350	6.654	6.612	7.164	7.247	6.636	8.12
8)	TM	Anthracene	6.252	6.723	6.969	6.962	7.342	7.181	6.905	5.55
9)	S	2-Fluorobiphenyl	4.962	5.070	5.126	5.346	5.555	5.684	5.290	5.43
10)	S	2-Bromonaphthalene	1.949	2.082	2.148	2.219	2.314	2.438	2.192	7.88
11)	S	o-terphenyl	2.922	2.941	3.027	3.071	3.178	3.450	3.098	6.32
12)	TM	Fluoranthene	6.548	6.616	6.619	6.843	7.312	7.503	6.907	5.86
13)	TM	Pyrene	6.654	6.794	6.950	7.180	7.455	7.533	7.094	5.02
14)	TM	Benzo[a]anthracene	4.500	4.828	5.075	5.629	6.236	6.423	5.449	14.28
15)	TM	Chrysene	5.455	5.333	5.504	5.870	6.131	6.226	5.753	6.53
16)	TM	Benzo[b] fluoranthe	3.542	3.820	4.066	4.549	5.141	5.276	4.399	16.15 Q
17)	TM	Benzo[k] fluoranthe	4.512	4.443	4.728	5.002	5.179	5.489	4.892	8.30
18)	TM	Benzo[a] pyrene	3.547	3.725	4.157	4.501	4.785	5.149	4.311	14.35 Q
19)	TM	Indeno [1,2,3-cd] p	2.140	2.497	3.013	3.516	3.793	3.712	3.112	21.89 Q
20)	TM	Dibenz [a,h] anthra	2.720	3.042	3.475	3.725	3.843	3.976	3.463	14.18 Q
21)	TM	Benzo(g,h,i) peryl	3.427	3.604	3.780	4.136	3.851	3.459	3.709	7.24 Q
22)		c11-c22							0.000#	-1.00

08910

(#) = Out of Range

PM 8/6/10

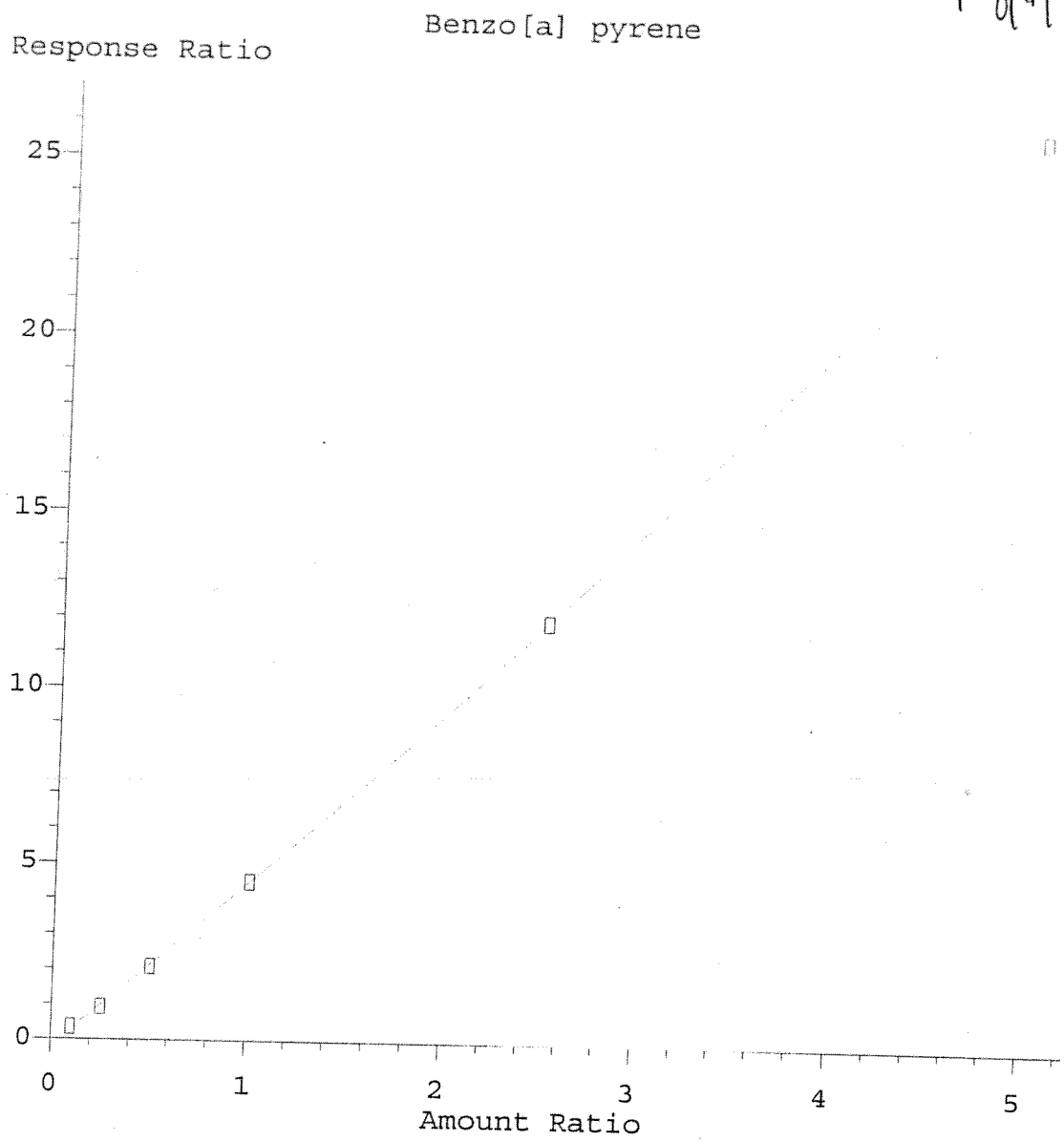


R = 5.69e-002 A*A + 5.07e+000 A - 3.55e-001
Curve Fit: Quadratic

28960

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10

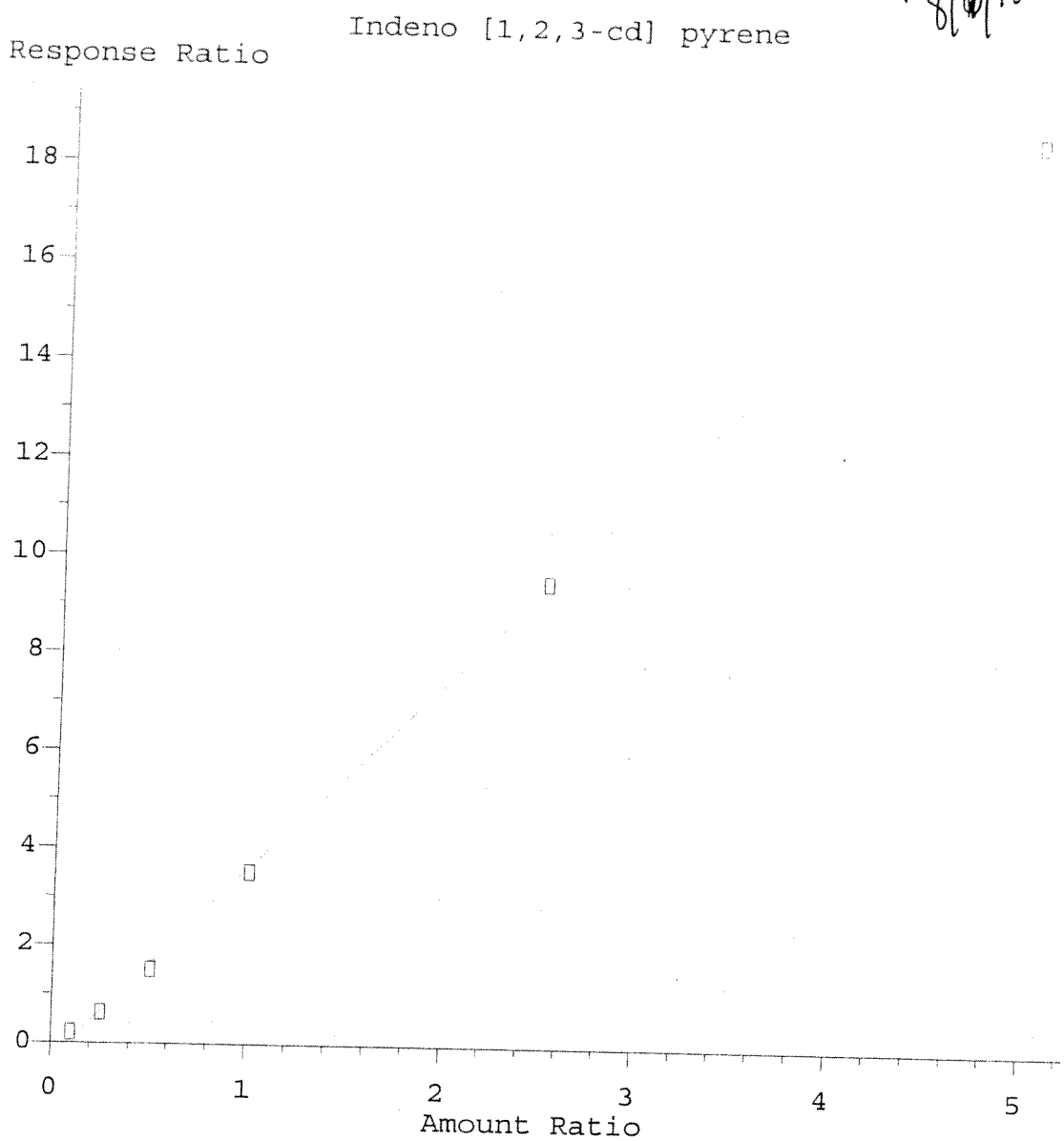


R = 1.34e-001 A*A + 4.51e+000 A - 1.63e-001
Curve Fit: Quadratic

08/10

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10

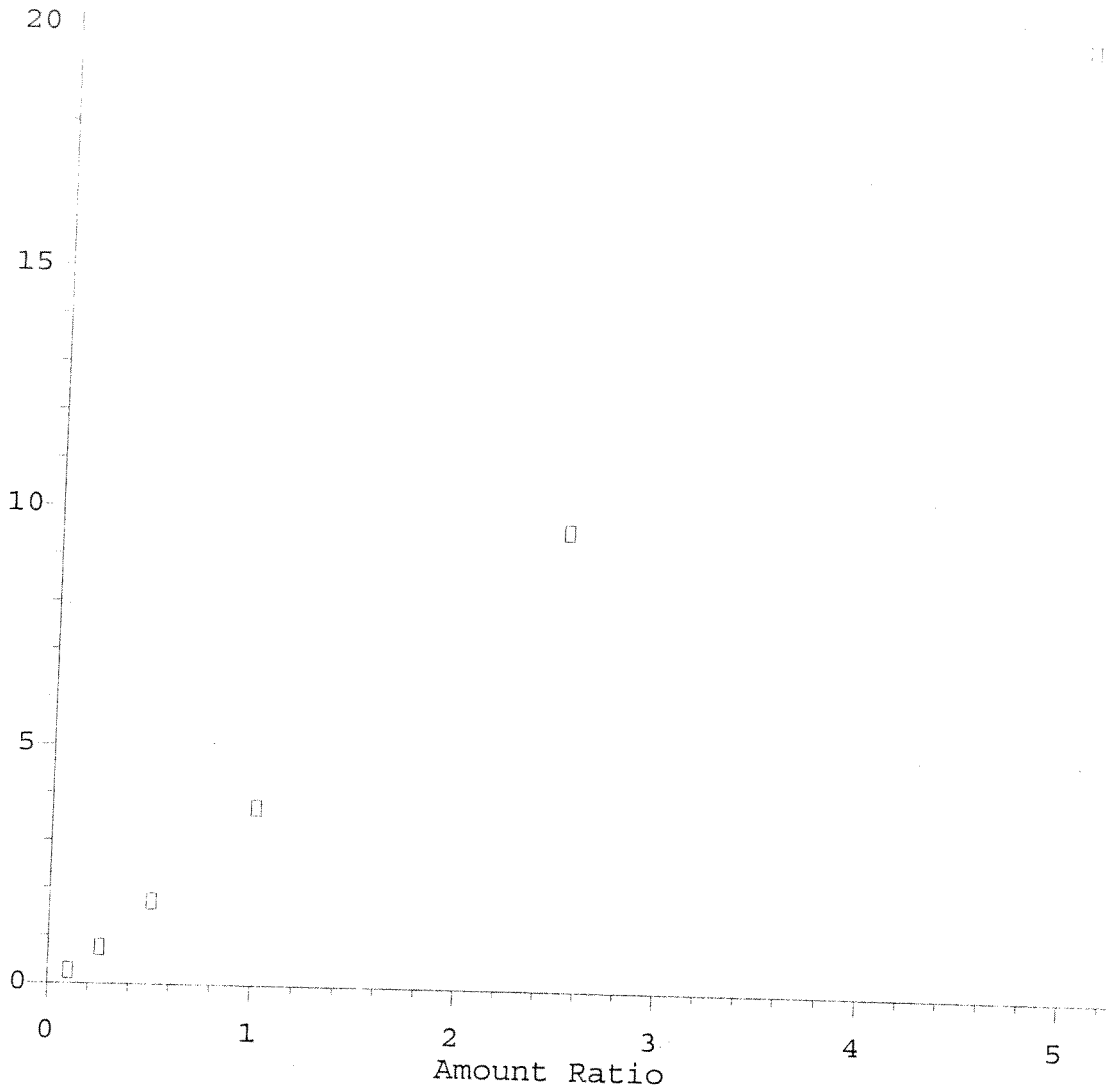


R = -4.35e-002 A*A + 4.00e+000 A - 3.53e-001
Curve Fit: Quadratic

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10

Dibenz [a,h] anthracene

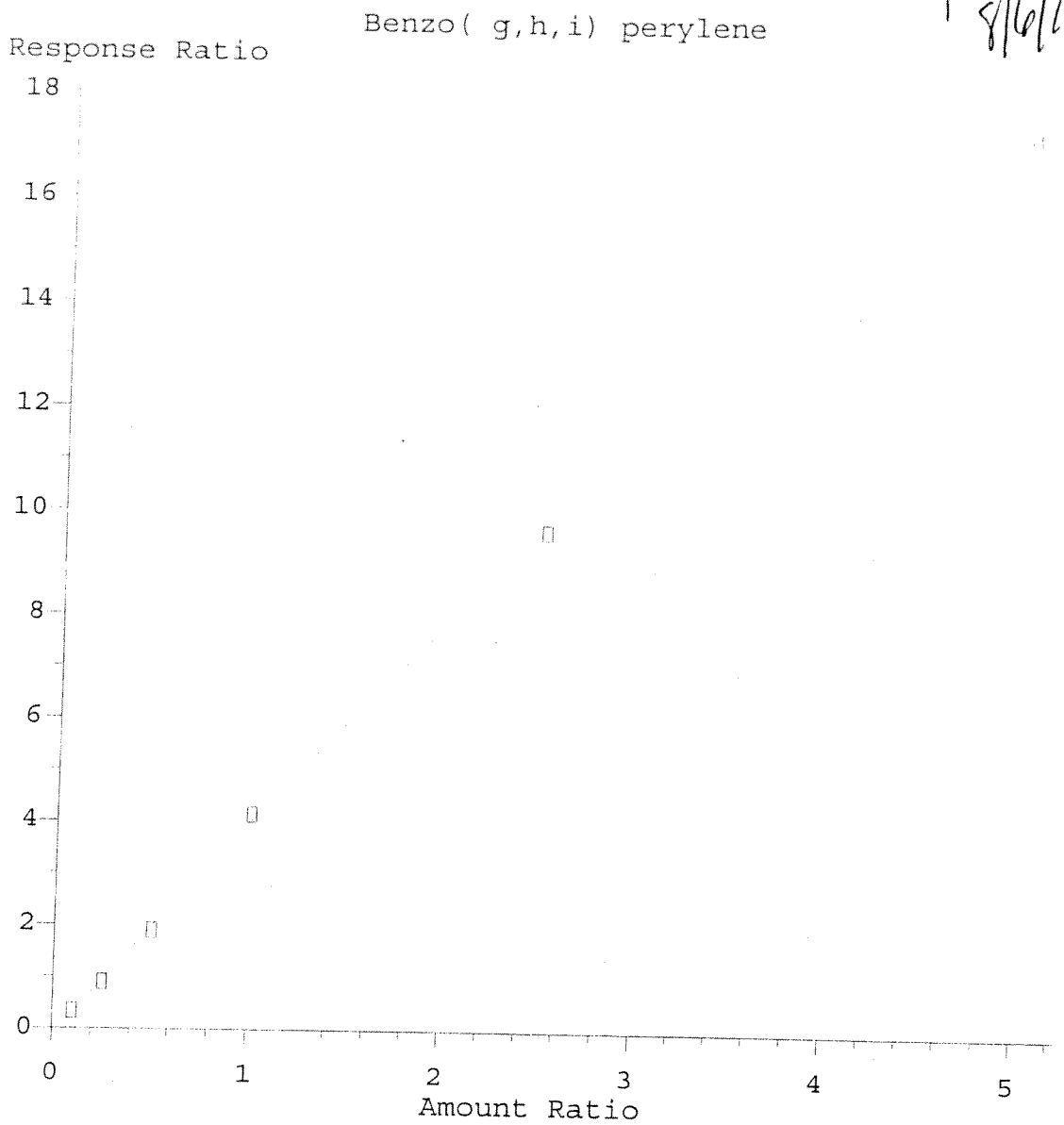


R = 4.04e-002 A*A + 3.80e+000 A - 1.51e-001
Curve Fit: Quadratic

DB9W

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10



R = -1.73e-001 A*A + 4.35e+000 A - 1.44e-001
Curve Fit: Quadratic

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

08910

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D
Acq On : 5 Aug 2010 5:51 am
Sample : S9706 ARO 2
Misc :
Integration Params: RTEINT.P
Quant Time: Aug 5 11:11 2010

Vial: 9
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N080510
Q

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.01	95	39531 ✓	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.77	172	11768	1.13 ug/ml	0.01
Spiked Amount 20.000	Range 40 - 140		Recovery =	5.65%#	
10) 2-Bromonaphthalene	8.45	206	4623	1.07 ug/ml	0.01
Spiked Amount 20.000	Range 40 - 140		Recovery =	5.35%#	
11) o-terphenyl	10.30	230	4621	0.75 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	3.75%#	

Target Compounds					Qvalue
2) Naphthalene	6.72	128	29763	1.87 ug/ml	98
3) 2-Methylnaphthalene	7.41	141	16889	1.95 ug/ml	96
4) Acenaphthylene	8.31	152	28363	1.89 ug/ml	99
5) Acenaphthene	8.48	154	15766	1.88 ug/ml	98
6) Fluorene	8.99	166	18839	1.94 ug/ml	99
7) Phenanthrene	9.95	178	22887	1.74 ug/ml	99
8) Anthracene	10.00	178	24715	1.82 ug/ml	99
12) Fluoranthene	11.31	202	25886	1.90 ug/ml#	89
13) Pyrene	11.64	202	26304	1.88 ug/ml#	87
14) Benzo[a]anthracene	13.86	228	17789	1.65 ug/ml	99
15) Chrysene	13.93	228	21564	1.90 ug/ml	99
16) Benzo[b] fluoranthene	✓16.20	252	14002	3.17 ug/ml#	88
17) Benzo[k] fluoranthene	✓16.26	252	17836	1.87 ug/ml#	90
18) Benzo[a] pyrene	16.89	252	14022	1.66 ug/ml#	89
19) Indeno [1,2,3-cd] pyrene	19.21	276	8461m	1.74 ug/ml	
20) Dibenz [a,h] anthracene	19.26	278	10751	1.58 ug/ml#	81
21) Benzo(g,h,i) perylene	19.70	276	13548	1.86 ug/ml#	73

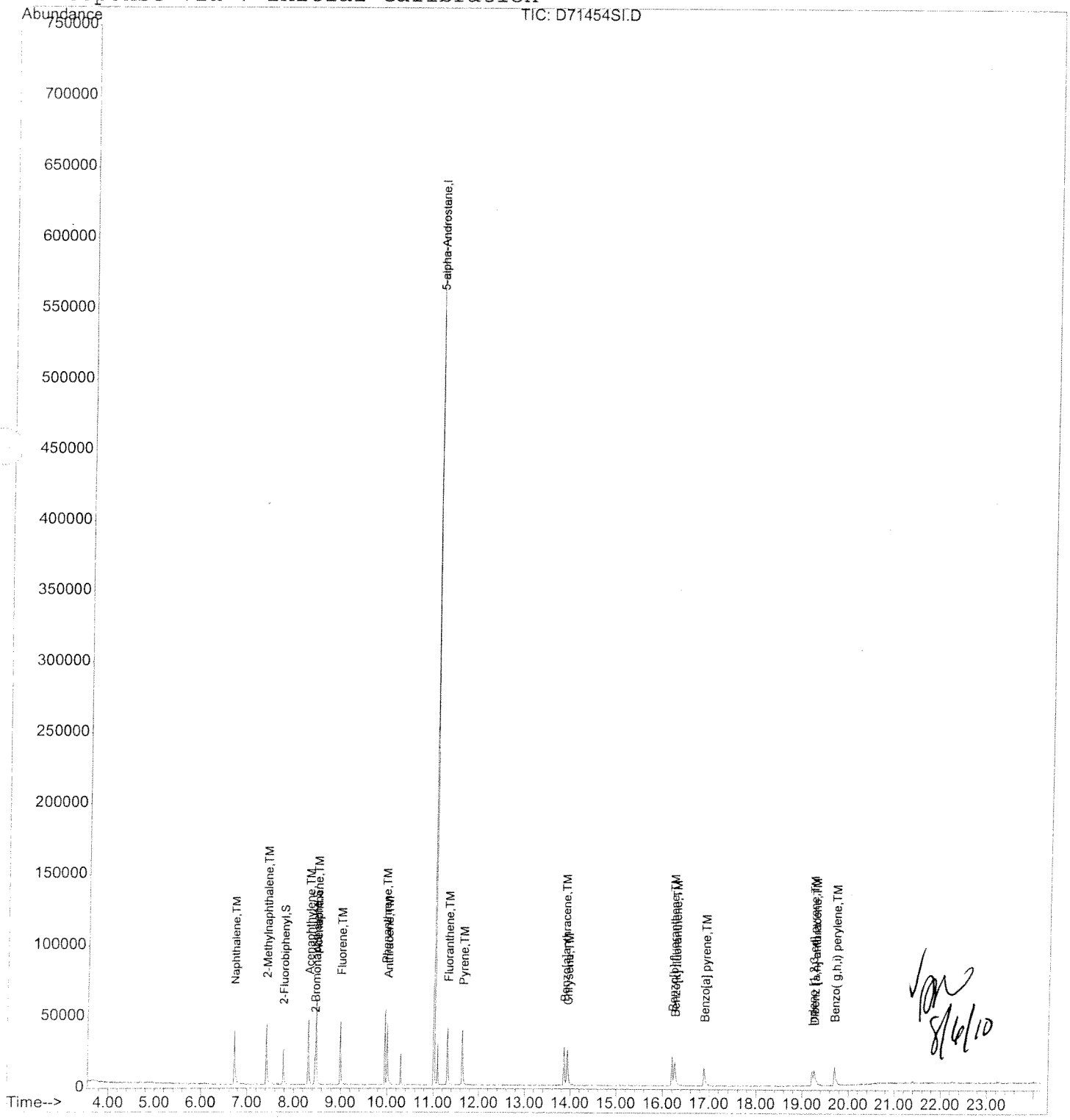
8/6/10

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:11 2010 Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010 Nr080510
Response via : Initial Calibration



8/6/10

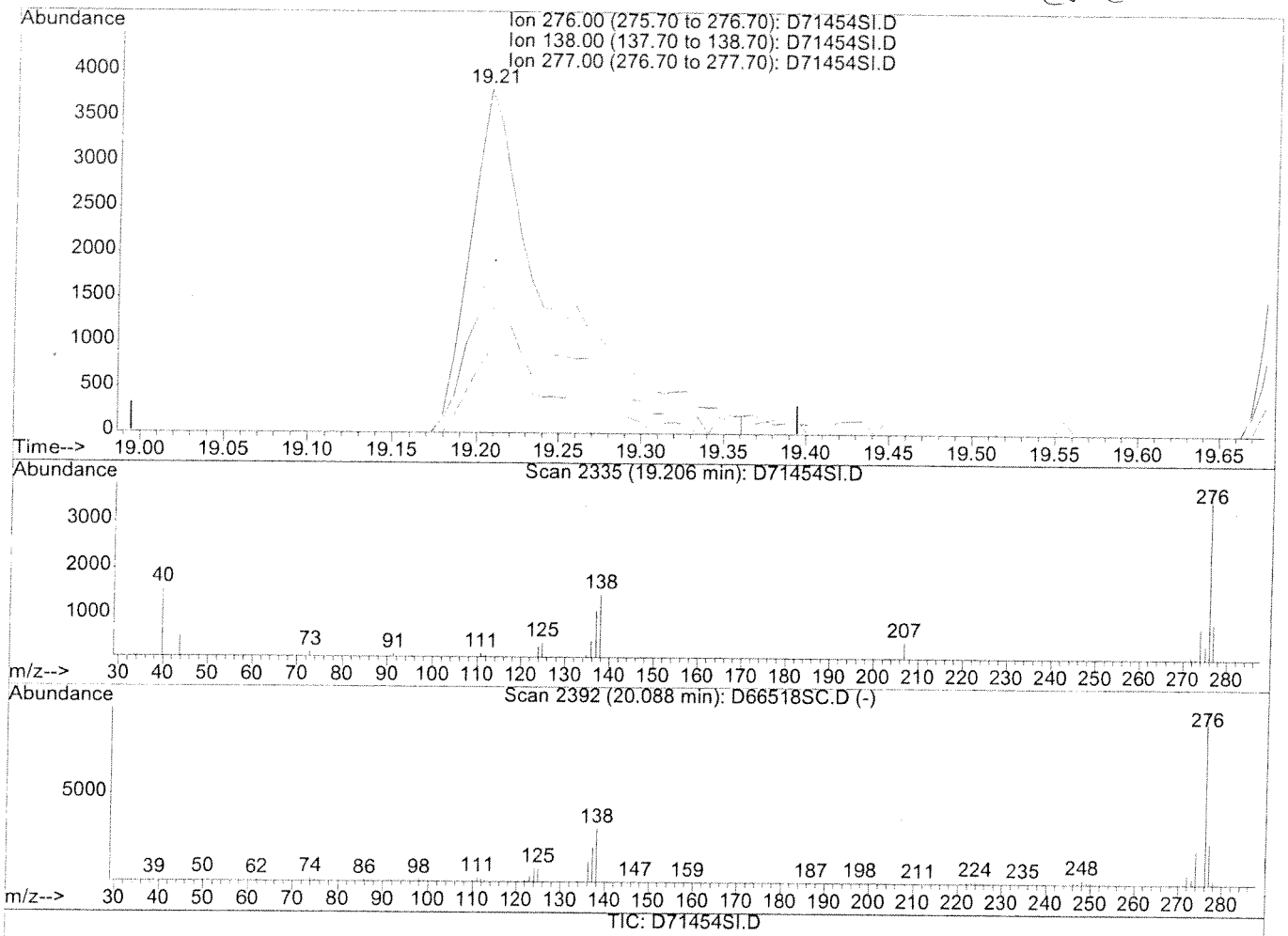
D71454SI.D ARM80410.M Thu Aug 05 11:11:55 2010 Page 2

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D
Acq On : 5 Aug 2010 5:51 am
Sample : S9706 ARO 2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:11 2010

Vial: 9
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Multiple Level Calibration

NP 8/5/10
Cool



(19) Indeno [1,2,3-cd] pyrene (TM)

19.21min 2.53ug/ml

response 13465

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	27.17#
277.00	23.80	23.30
0.00	0.00	0.00

Jon 8/6/10

D71454SI.D ARM80410.M Thu Aug 05 11:11:14 2010

Quantitation Report (Qedit)

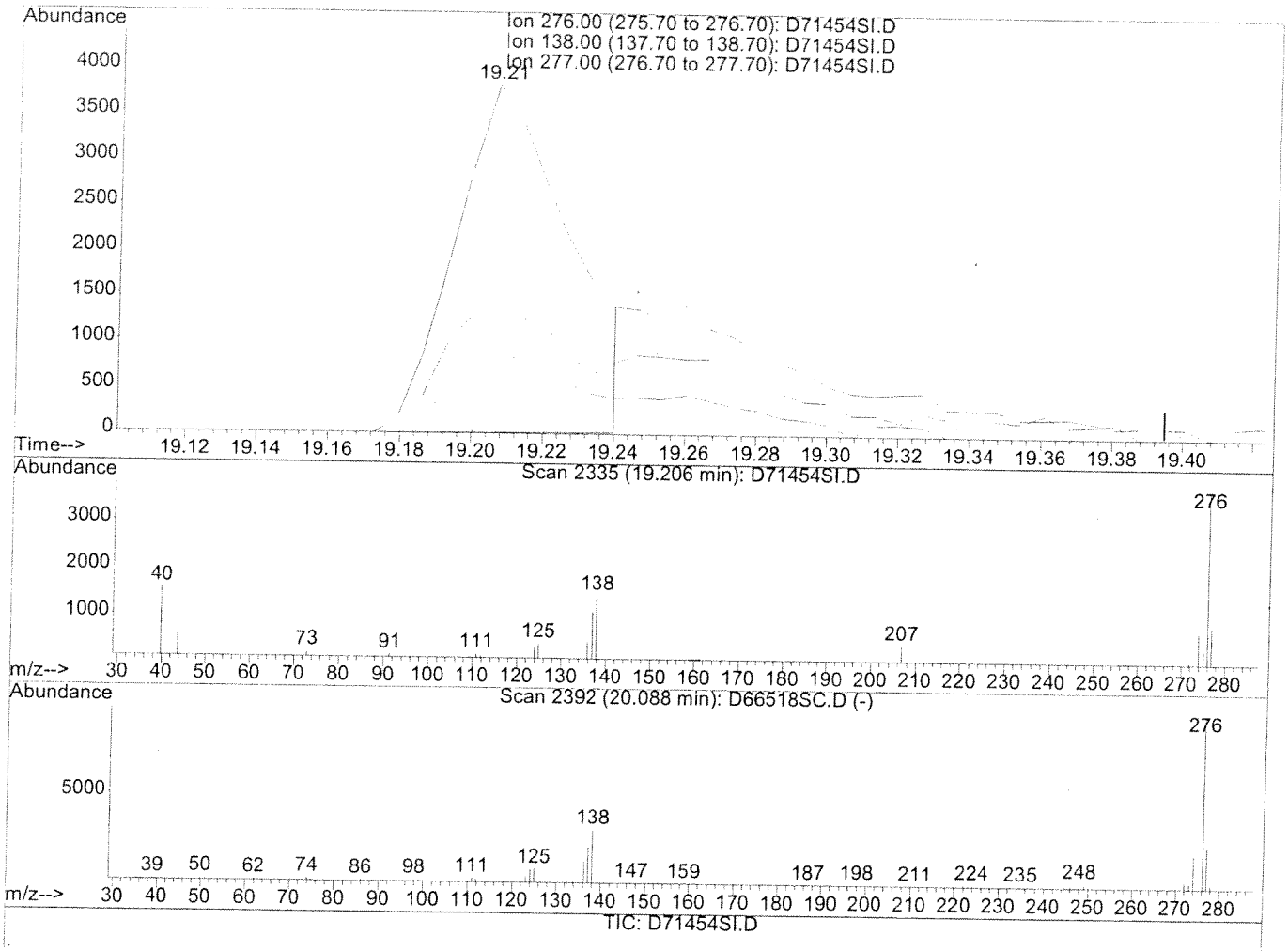
Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D
Acq On : 5 Aug 2010 5:51 am
Sample : S9706 ARO 2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:11 2010

Vial: 9
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Multiple Level Calibration

NP080510



(19) Indeno [1,2,3-cd] pyrene (TM)

19.21min 1.74ug/ml m

response 8461

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	43.23#
277.00	23.80	37.08#
0.00	0.00	0.00

JPa 8/6/10

D71454SI.D ARM80410.M Thu Aug 05 11:11:47 2010

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D
Acq On : 5 Aug 2010 6:22 am
Sample : S9707 ARO 5
Misc :
3 Integration Params: RTEINT.P
Quant Time: Aug 6 0:53 2010

Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	38539	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.77	172	29309	2.88 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 14.40%#		
10) 2-Bromonaphthalene	8.45	206	12037	2.85 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 14.25%#		
11) o-terphenyl	10.29	230	11333	1.90 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 9.50%#		
Target Compounds					Qvalue
2) Naphthalene	6.72	128	77719	5.02 ug/ml	100
3) 2-Methylnaphthalene	7.41	141	40724	4.81 ug/ml	95
4) Acenaphthylene	8.31	152	69331	4.74 ug/ml	99
5) Acenaphthene	8.47	154	41099	5.04 ug/ml	97
6) Fluorene	8.99	166	45802	4.83 ug/ml	99
7) Phenanthrene	9.94	178	61180	4.78 ug/ml	99
8) Anthracene	10.00	178	64779	4.89 ug/ml	99
12) Fluoranthene	11.31	202	63748	4.79 ug/ml#	90
13) Pyrene	11.63	202	65455	4.79 ug/ml#	88
14) Benzo[a]anthracene	13.85	228	46518	4.43 ug/ml	99
15) Chrysene	13.93	228	51386	4.65 ug/ml	99
16) Benzo[b] fluoranthene	16.19	252	36802	5.41 ug/ml#	91
17) Benzo[k] fluoranthene	16.25	252	42806	4.62 ug/ml#	89
18) Benzo[a] pyrene	16.87	252	35885	4.34 ug/ml#	90
19) Indeno [1,2,3-cd] pyrene	19.20	276	24056m	4.29 ug/ml	
20) Dibenz [a,h] anthracene	19.25	278	29306	4.43 ug/ml#	83
21) Benzo(g,h,i) perylene	19.69	276	34727	4.90 ug/ml#	74

8/6/10

(#) = qualifier out of range (m) = manual integration

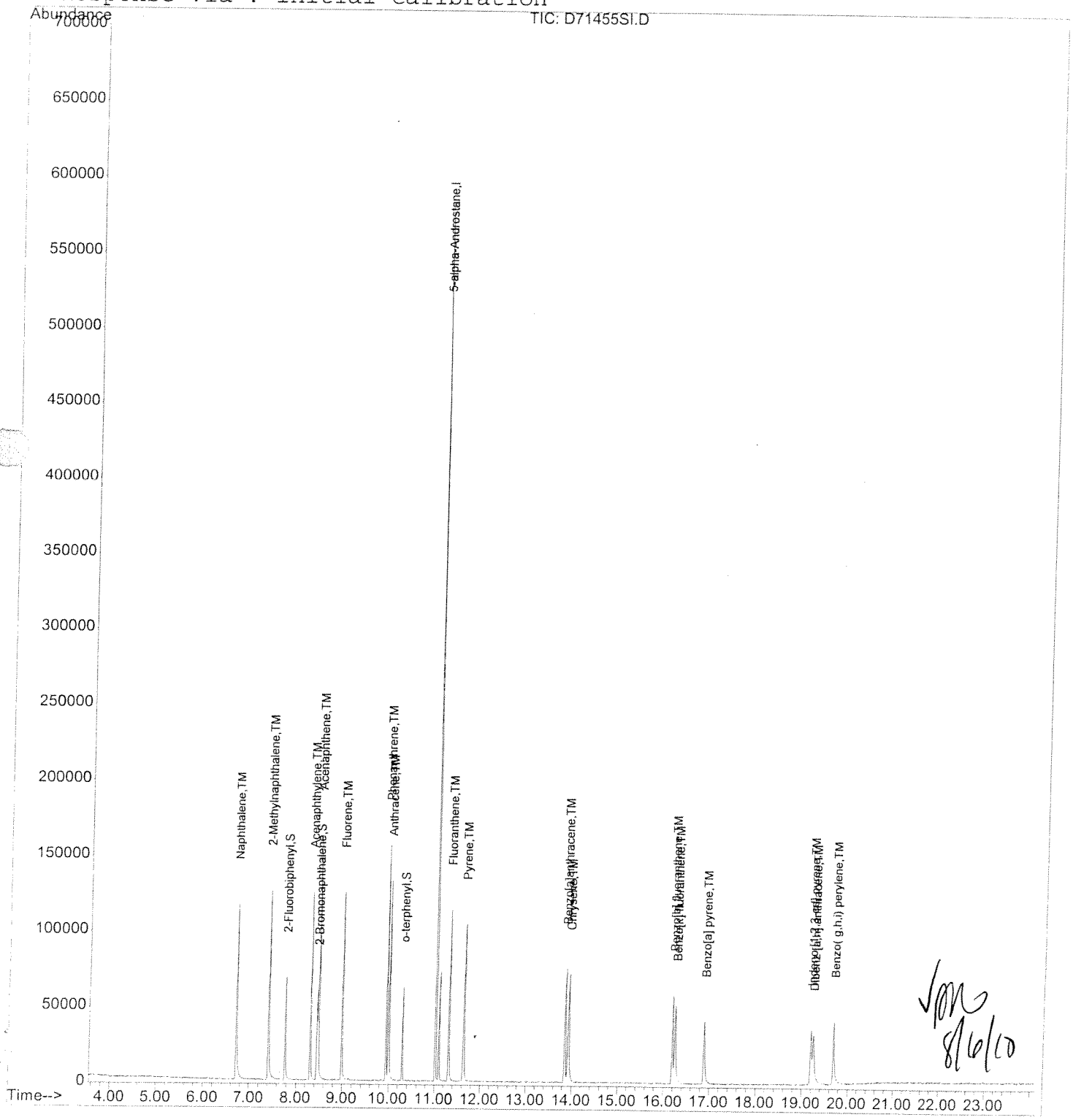
Quantitation Report

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D
Acq On : 5 Aug 2010 6:22 am
Sample : S9707 ARO 5
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 0:53 2010

Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Initial Calibration



8/6/10

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D
Acq On : 5 Aug 2010 6:22 am
Sample : S9707 ARO 5
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 0:53 2010

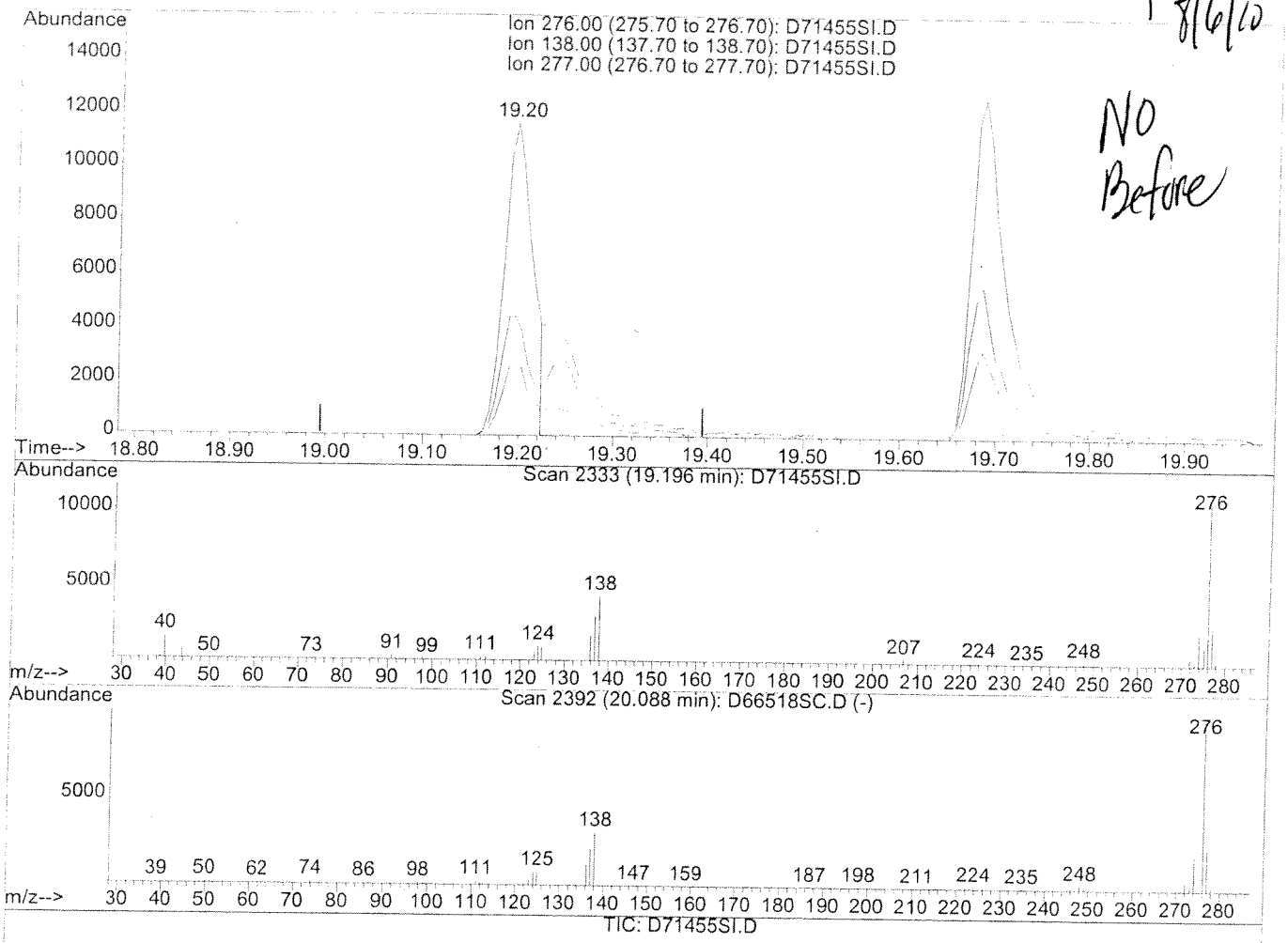
Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Multiple Level Calibration

PM 8/6/10

NO Before



(19) Indeno [1,2,3-cd] pyrene (TM)

19.20min 4.29ug/ml m

response 24056

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	40.69#
277.00	23.80	38.34#
0.00	0.00	0.00

38910

D71455SI.D ARM80410.M Fri Aug 06 01:43:42 2010

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D
Acq On : 5 Aug 2010 6:52 am
Sample : S9708 ARO 10
Misc :
Integration Params: RTEINT.P
Quant Time: Aug 5 11:15 2010

Vial: 11
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010 N080510
Response via : Initial Calibration
DataAcq Meth : EPHJ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	37361	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.76	172	57455	5.83 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 29.15%#		
10) 2-Bromonaphthalene	8.44	206	24071	5.88 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 29.40%#		
11) o-terphenyl	10.29	230	22618	3.91 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 19.55%#		

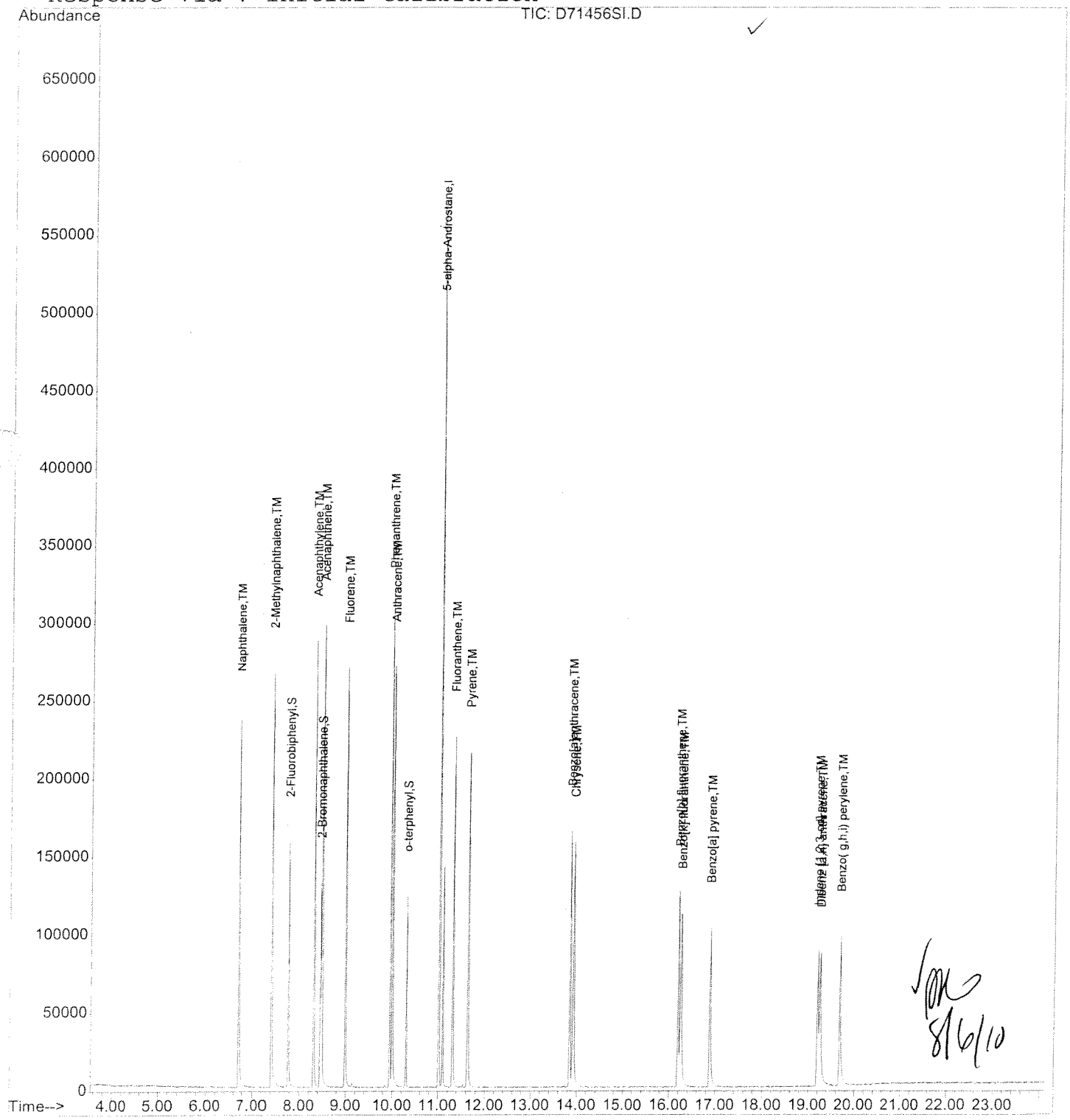
Target Compounds					Qvalue
2) Naphthalene	6.71	128	149841	9.99 ug/ml	100
3) 2-Methylnaphthalene	7.40	141	83872	10.23 ug/ml	100
4) Acenaphthylene	8.30	152	141367	9.97 ug/ml	99
5) Acenaphthene	8.48	154	78456	9.92 ug/ml	99
6) Fluorene	8.99	166	88293	9.61 ug/ml	99
7) Phenanthrene	9.94	178	124294	10.03 ug/ml	99
8) Anthracene	9.99	178	130189	10.15 ug/ml	100
12) Fluoranthene	11.31	202	123651	9.59 ug/ml#	90
13) Pyrene	11.63	202	129826	9.81 ug/ml#	88
14) Benzo[a]anthracene	13.85	228	94806	9.31 ug/ml	100
15) Chrysene	13.92	228	102812	9.60 ug/ml	99
16) Benzo[b] fluoranthene	16.19	252	75950	9.43 ug/ml#	92
17) Benzo[k] fluoranthene	16.25	252	88319	9.82 ug/ml#	91
18) Benzo[a] pyrene	16.88	252	77653	9.70 ug/ml#	91
19) Indeno [1,2,3-cd] pyrene	19.19	276	56292m	9.59 ug/ml	
20) Dibenz [a,h] anthracene	19.24	278	64914	10.12 ug/ml#	83
21) Benzo(g,h,i) perylene	19.68	276	70614	10.27 ug/ml#	74

8/6/10

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D Vial: 11
Acq On : 5 Aug 2010 6:52 am Operator: AR/NP
Sample : S9708 ARO 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:15 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010 Pro80510
Response via : Initial Calibration



8/6/10

Quantitation Report (Qedit)

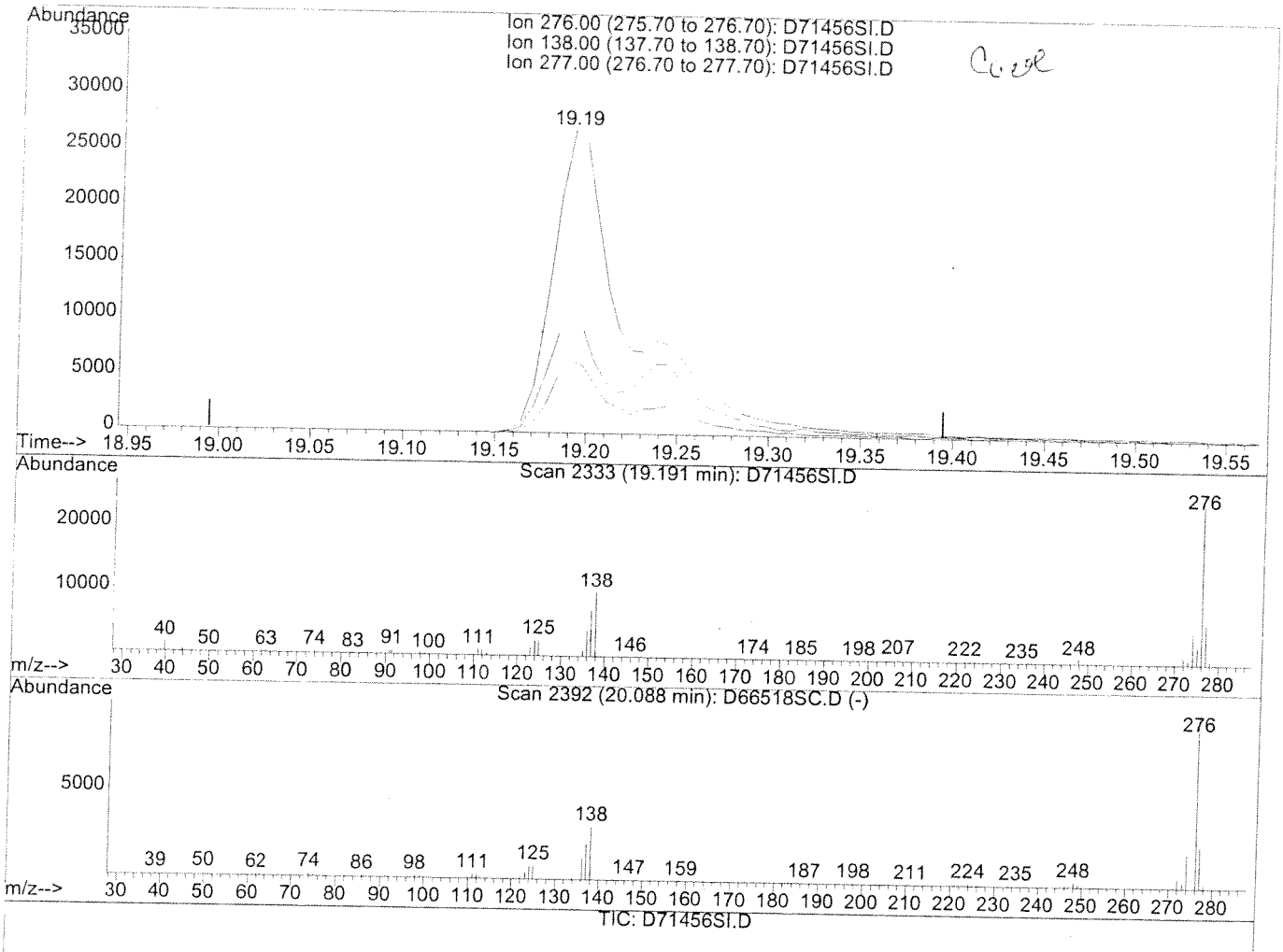
Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D
Acq On : 5 Aug 2010 6:52 am
Sample : S9708 ARO 10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:12 2010

Vial: 11
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Multiple Level Calibration

Dr080C0



(19) Indeno [1,2,3-cd] pyrene (TM)

19.19min 13.20ug/ml

response 79644

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	25.68#
277.00	23.80	16.44#
0.00	0.00	0.00

8/6/10

D71456SI.D ARM80410.M Thu Aug 05 11:15:26 2010

Quantitation Report (Qedit)

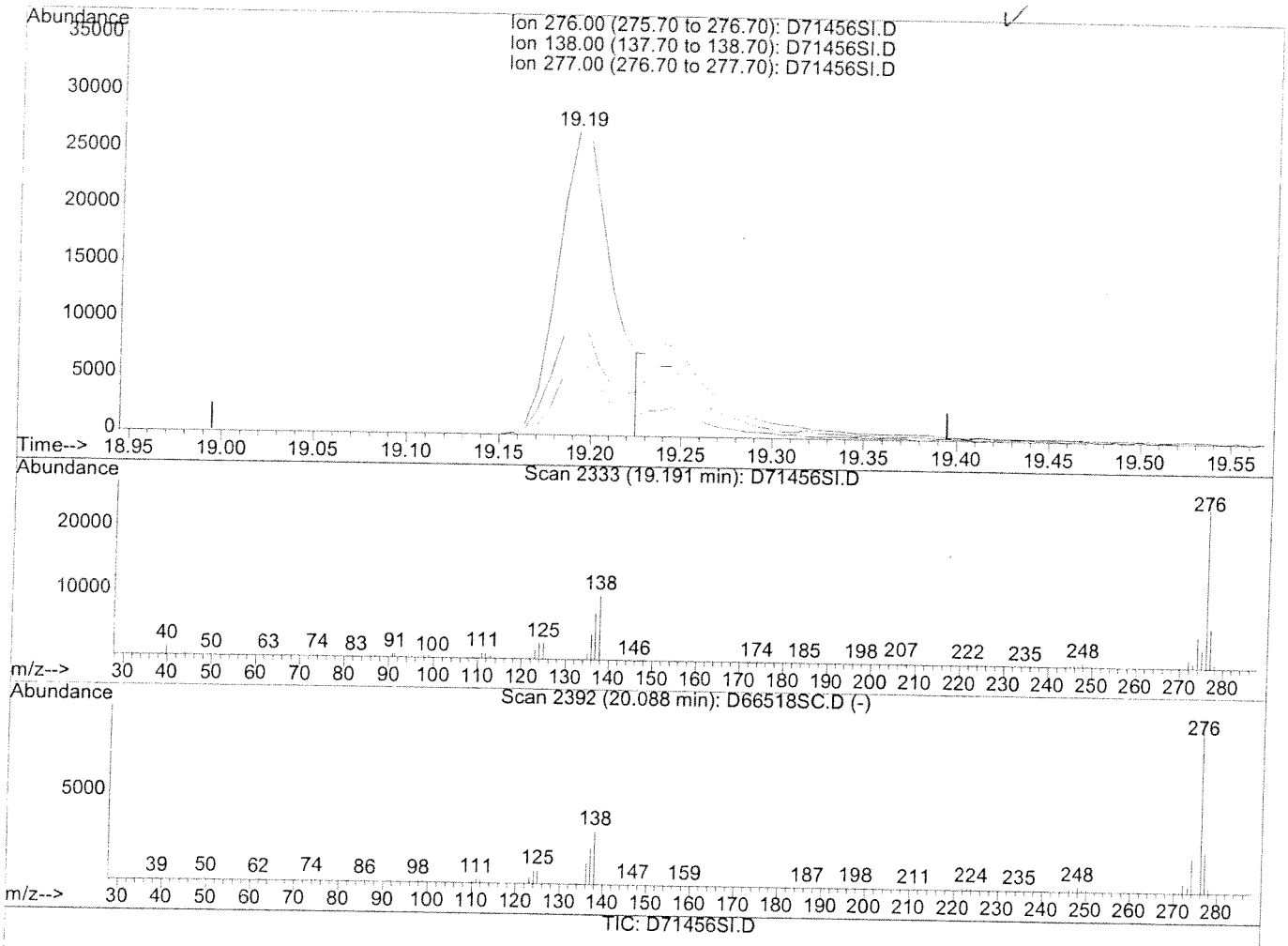
Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D
Acq On : 5 Aug 2010 6:52 am
Sample : S9708 ARO 10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:15 2010

Vial: 11
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Multiple Level Calibration

D108050



(19) Indeno [1,2,3-cd] pyrene (TM)

19.19min 9.59ug/ml m

response 56292

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	36.33#
277.00	23.80	23.25
0.00	0.00	0.00

8/6/10

D71456SI.D ARM80410.M Thu Aug 05 11:15:33 2010

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D
Acq On : 5 Aug 2010 7:22 am
Sample : S9937 ARO 20
Misc :
; Integration Params: RTEINT.P
Quant Time: Aug 5 11:12 2010

Vial: 12
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

M080510

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	39978 ✓	20.00 ug/ml	0.00

System Monitoring Compounds

9) 2-Fluorobiphenyl	7.76	172	128231	12.15 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 60.75%		
10) 2-Bromonaphthalene	8.44	206	53235	12.16 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 60.80%		
11) o-terphenyl	10.29	230	49103	7.93 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 39.65%#		

Target Compounds

					Qvalue
2) Naphthalene	6.71	128	322407	20.08 ug/ml	100
3) 2-Methylnaphthalene	7.41	141	174567	19.89 ug/ml	98
4) Acenaphthylene	8.30	152	308847	20.35 ug/ml	100
5) Acenaphthene	8.47	154	170018	20.08 ug/ml	100
6) Fluorene	8.99	166	200664	20.40 ug/ml	99
7) Phenanthrene	9.94	178	264344	19.93 ug/ml	99
8) Anthracene	10.00	178	278317	20.27 ug/ml	98
12) Fluoranthene	11.30	202	273575	19.83 ug/ml#	90
13) Pyrene	11.63	202	287052	20.26 ug/ml#	89
14) Benzo[a]anthracene	13.85	228	225029	20.66 ug/ml	99
15) Chrysene	13.93	228	234687	20.49 ug/ml	100
16) Benzo[b] fluoranthene	16.20	252	181878	18.83 ug/ml#	92
17) Benzo[k] fluoranthene ✓	16.25	252	199969	20.79 ug/ml#	92
18) Benzo[a] pyrene	16.88	252	179937	21.00 ug/ml#	91
19) Indeno [1,2,3-cd] pyrene	19.20	276	140562	20.86 ug/ml#	74
20) Dibenz [a,h] anthracene	19.25	278	148899	21.70 ug/ml#	84
21) Benzo(g,h,i) perylene	19.69	276	165343	22.47 ug/ml#	75

JM 8/6/10

(#) = qualifier out of range (m) = manual integration
D71457SI.D ARM80410.M Thu Aug 05 11:12:29 2010

Quantitation Report

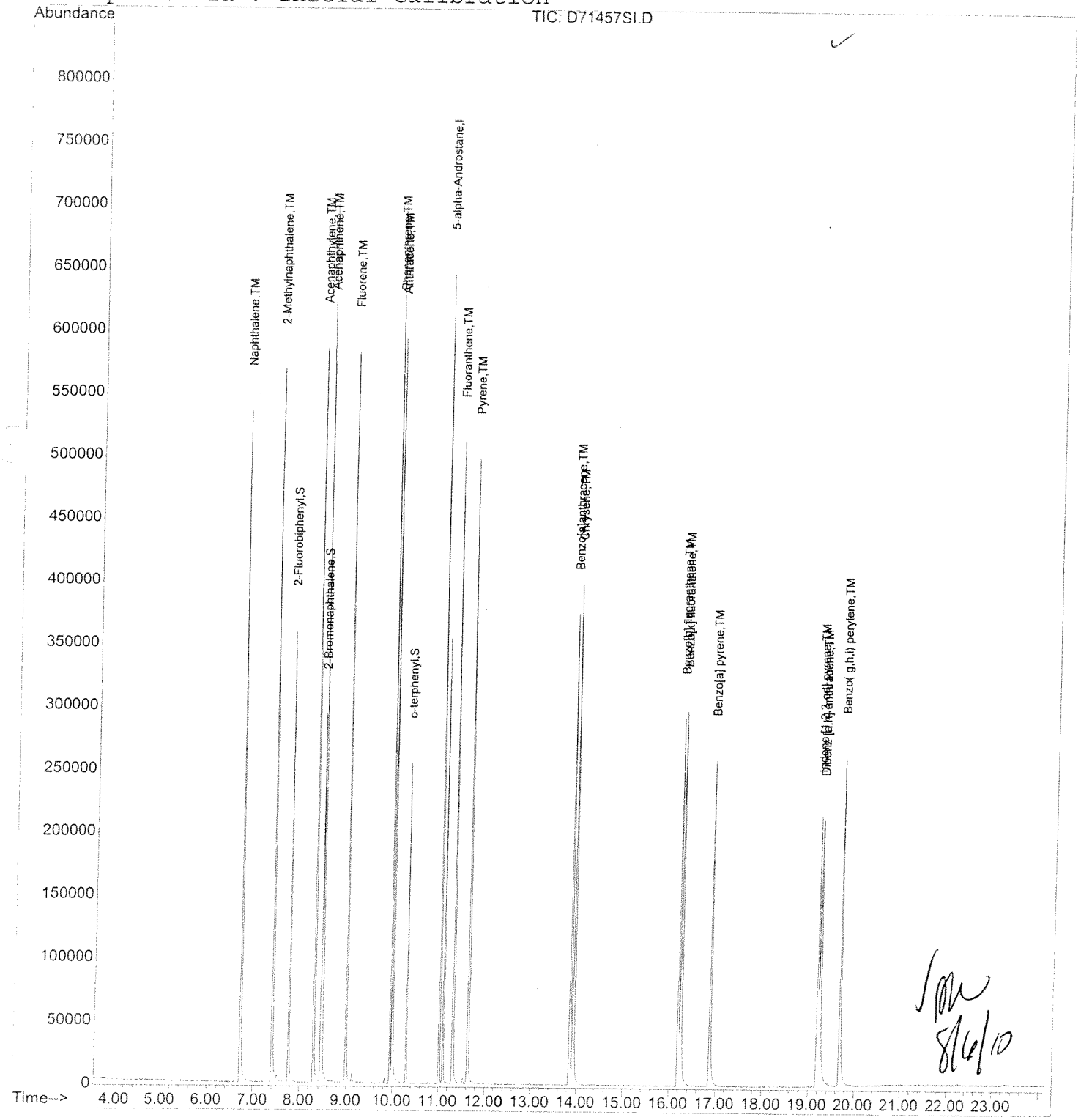
Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D
Acq On : 5 Aug 2010 7:22 am
Sample : S9937 ARO 20
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:12 2010

Vial: 12
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration

Nro 80510



Jan 8/6/10

D71457SI.D ARM80410.M Thu Aug 05 11:12:30 2010 Page 2

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71458SI.D
Acq On : 5 Aug 2010 7:53 am
Sample : S9710 ARO 50
Misc :
} Integration Params: RTEINT.P
Quant Time: Aug 5 11:12 2010

Vial: 13
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP080510

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	35122 ✓	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.76	172	292664	31.57 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 157.85%#		
10) 2-Bromonaphthalene	8.44	206	121914	31.69 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 158.45%#		
11) o-terphenyl	10.30	230	111606	20.51 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 102.55%		
Target Compounds					Qvalue
2) Naphthalene	6.71	128	738548	52.36 ug/ml	100
3) 2-Methylnaphthalene	7.41	141	401048	52.02 ug/ml	98
4) Acenaphthylene	8.30	152	688979	51.66 ug/ml	99
5) Acenaphthene	8.47	154	381189	51.25 ug/ml	98
6) Fluorene	8.99	166	447248	51.76 ug/ml	100
7) Phenanthrene	9.94	178	629012	53.98 ug/ml	99
8) Anthracene	10.00	178	644653	53.45 ug/ml	99
12) Fluoranthene	11.31	202	642044	52.96 ug/ml#	92
13) Pyrene	11.64	202	654630	52.60 ug/ml#	91
14) Benzo[a]anthracene	13.86	228	547594	57.23 ug/ml	99
15) Chrysene	13.94	228	538298	53.49 ug/ml	100
16) Benzo[b] fluoranthene	16.21	252	451386	49.82 ug/ml#	92
17) Benzo[k] fluoranthene	16.27	252	454773	53.81 ug/ml#	92
18) Benzo[a] pyrene	16.89	252	420154	55.82 ug/ml#	92
19) Indeno [1,2,3-cd] pyrene	19.21	276	333059	49.73 ug/ml#	75
20) Dibenz [a,h] anthracene	19.26	278	337426	55.97 ug/ml#	85
21) Benzo(g,h,i) perylene	19.70	276	338108	52.30 ug/ml#	76

8/6/10

(#) = qualifier out of range (m) = manual integration
D71458SI.D ARM80410.M Thu Aug 05 11:12:34 2010 Page 1

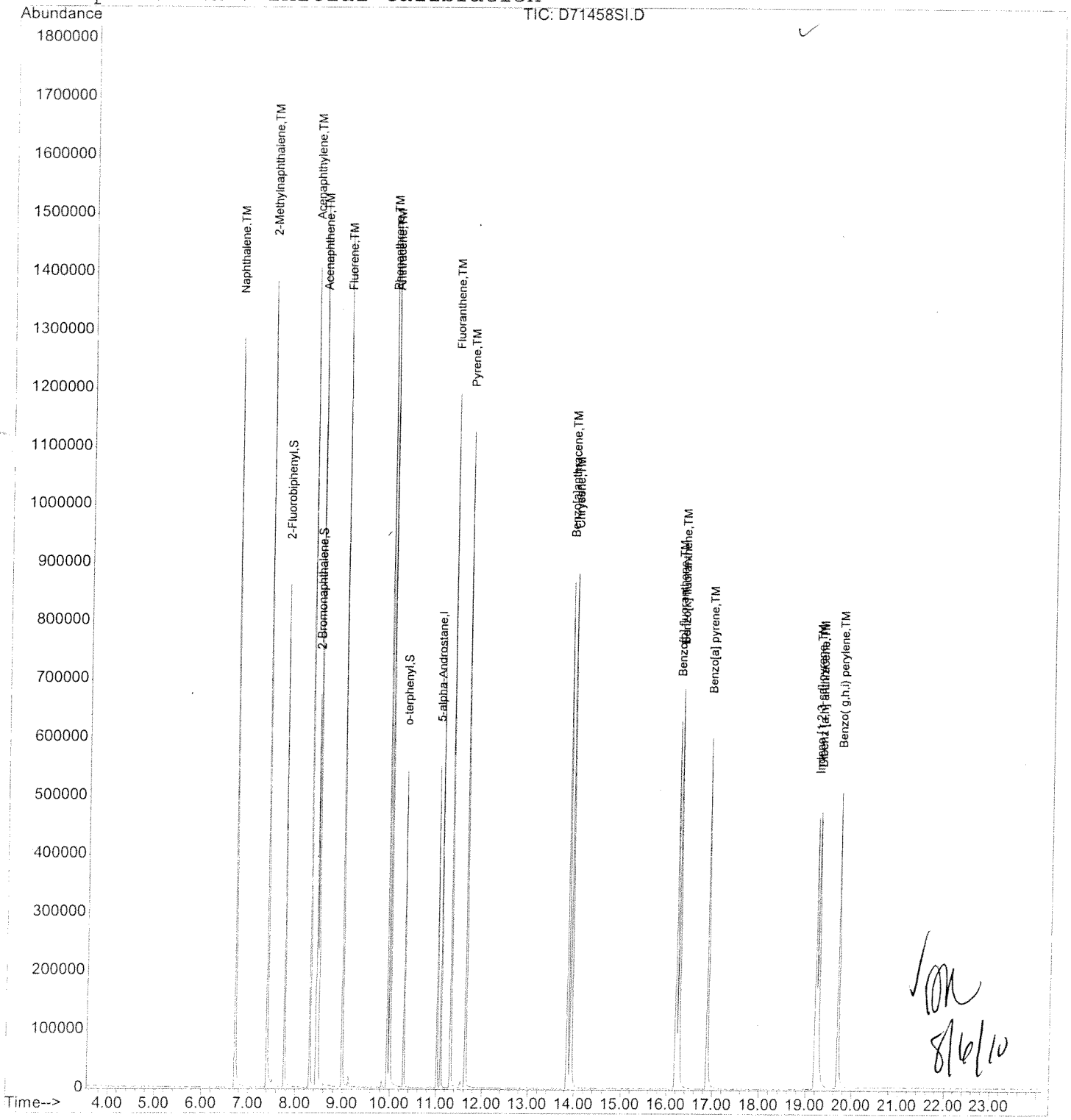
Quantitation Report

Data File : D:\HPCHEM\1\DATA\080410-D\D71458SI.D
Acq On : 5 Aug 2010 7:53 am
Sample : S9710 ARO 50
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:12 2010

Vial: 13
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration

NP080510



NP 8/6/10

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D
Acq On : 5 Aug 2010 8:23 am
Sample : S9711 ARO 100
Misc :
3 Integration Params: RTEINT.P
Quant Time: Aug 6 1:45 2010

Vial: 14
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

8/6/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	33554	20.00 ug/ml	0.00

System Monitoring Compounds

9) 2-Fluorobiphenyl	7.76	172	572169	64.61 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 323.05%#		
10) 2-Bromonaphthalene	8.44	206	245417	66.78 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 333.90%#		
11) o-terphenyl	10.29	230	231550	44.55 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 222.75%#		

Target Compounds

					Qvalue
2) Naphthalene	6.71	128	1395735	103.59 ug/ml	100
3) 2-Methylnaphthalene	7.41	141	748466	101.63 ug/ml	96
4) Acenaphthylene	8.31	152	1351225	106.06 ug/ml	99
5) Acenaphthene	8.48	154	734944	103.43 ug/ml	99
6) Fluorene	8.99	166	869543	105.33 ug/ml	100
7) Phenanthrene	9.95	178	1215885	109.21 ug/ml	100
8) Anthracene	10.00	178	1204828	104.55 ug/ml	99
12) Fluoranthene	11.32	202	1258695	108.68 ug/ml#	93
13) Pyrene	11.65	202	1263795	106.29 ug/ml#	92
14) Benzo[a]anthracene	13.88	228	1077645	117.89 ug/ml	99
15) Chrysene	13.96	228	1044462	108.63 ug/ml	99
16) Benzo[b] fluoranthene	16.23	252	885234	100.34 ug/ml#	94
17) Benzo[k] fluoranthene	16.29	252	920948m	114.05 ug/ml	
18) Benzo[a] pyrene	16.92	252	863829	120.13 ug/ml#	93
19) Indeno [1,2,3-cd] pyrene	19.23	276	622812m	85.69 ug/ml	
20) Dibenz [a,h] anthracene	19.29	278	667114	115.83 ug/ml#	87
21) Benzo(g,h,i) perylene	19.72	276	580281	93.96 ug/ml#	79

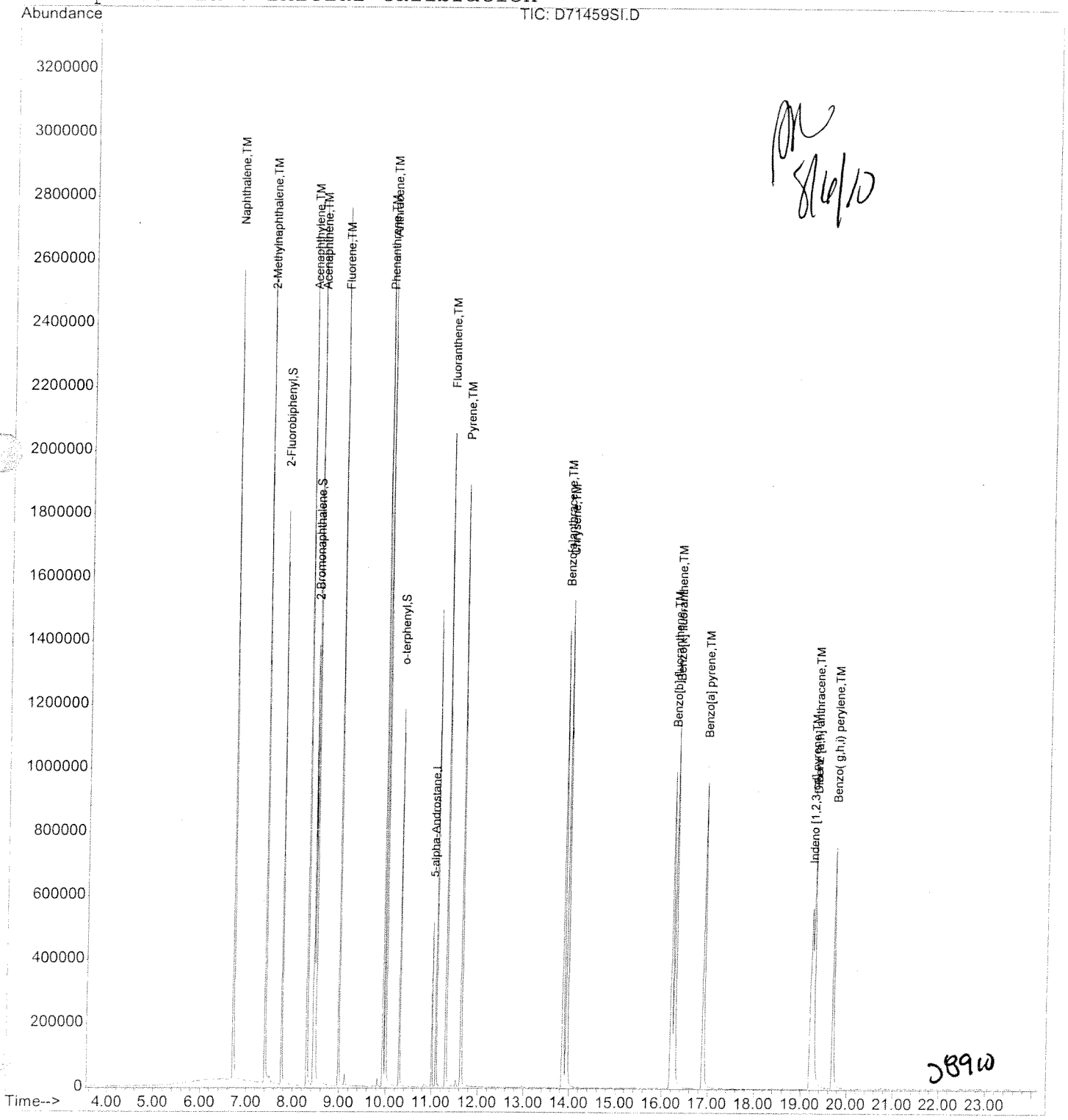
58960

(#) = qualifier out of range (m) = manual integration
D71459SI.D ARM80410.M Fri Aug 06 01:46:23 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D
Acq On : 5 Aug 2010 8:23 am
Sample : S9711 ARO 100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:45 2010

Vial: 14
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Initial Calibration

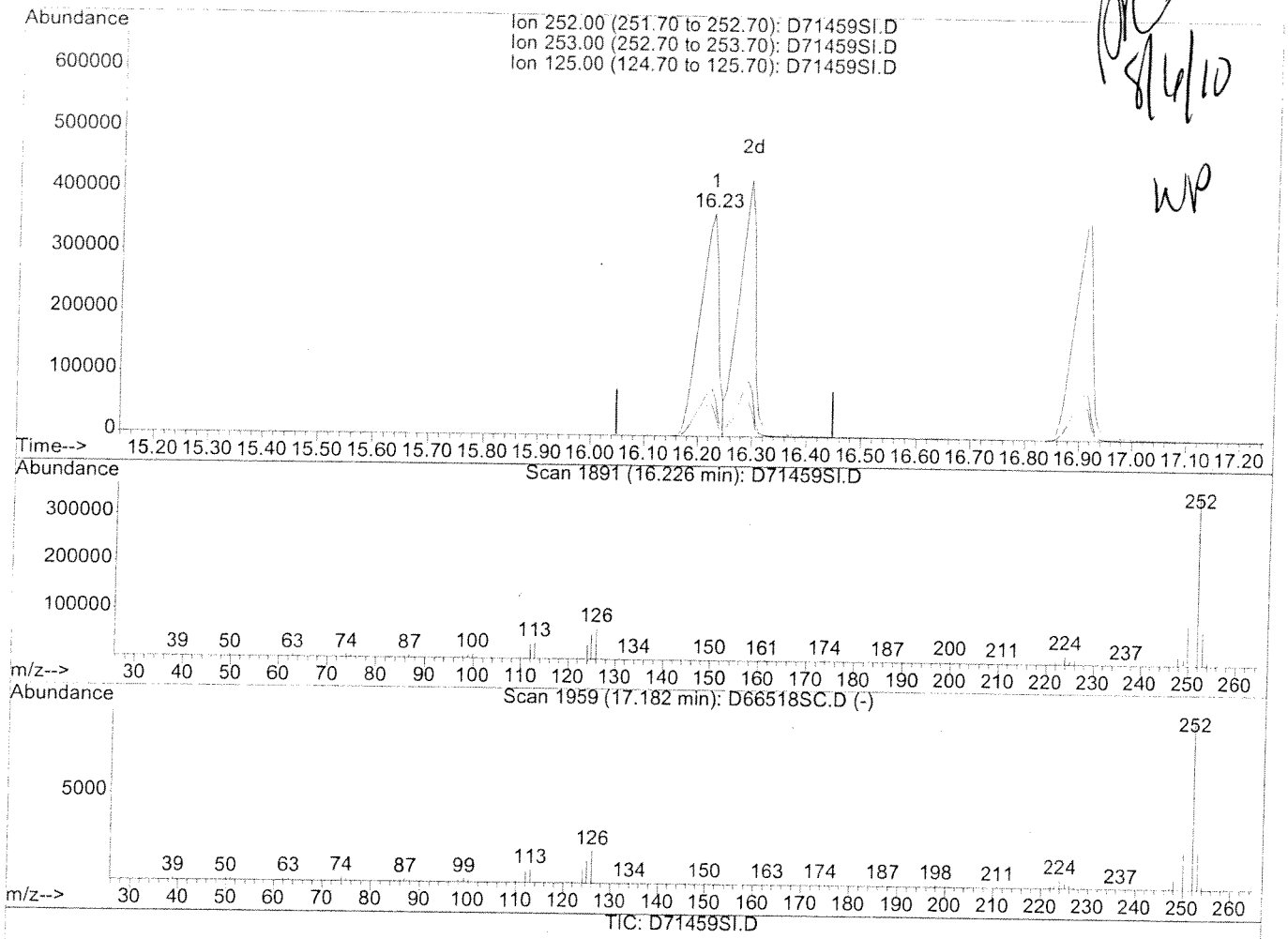


Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D
Acq On : 5 Aug 2010 8:23 am
Sample : S9711 ARO 100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 0:54 2010

Vial: 14
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Multiple Level Calibration



8/6/10

WP

(17) Benzo[k] fluoranthene (TM)

16.23min 109.63ug/ml

response 885234

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	21.80
125.00	5.30	15.80#
0.00	0.00	0.00

D89W

D71459SI.D ARM80410.M Fri Aug 06 01:45:18 2010

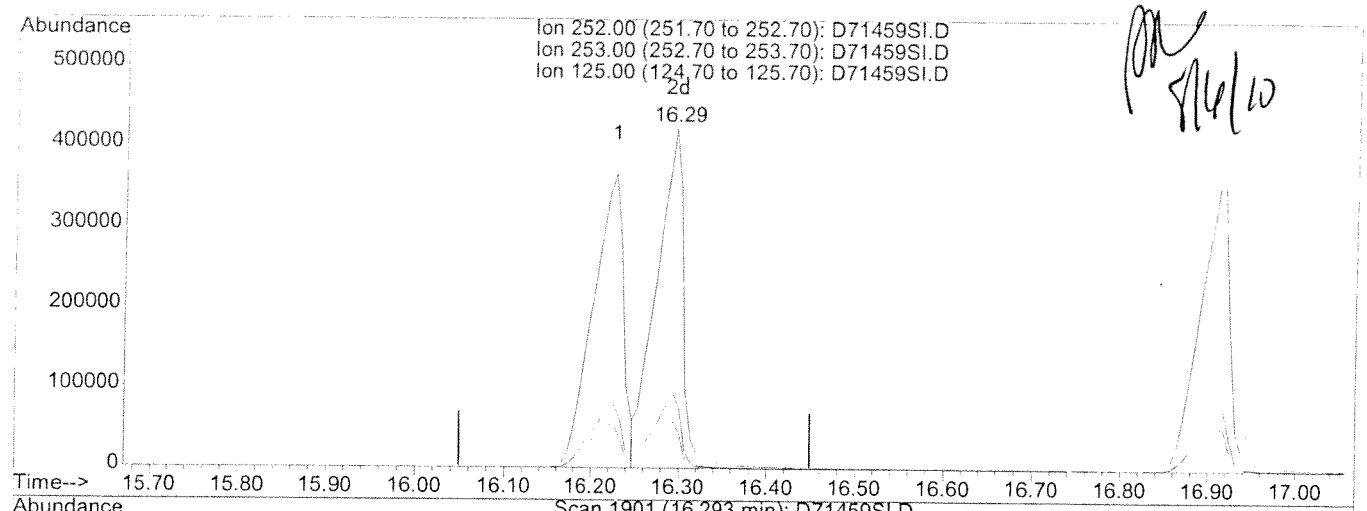
Quantitation Report (Qedit)

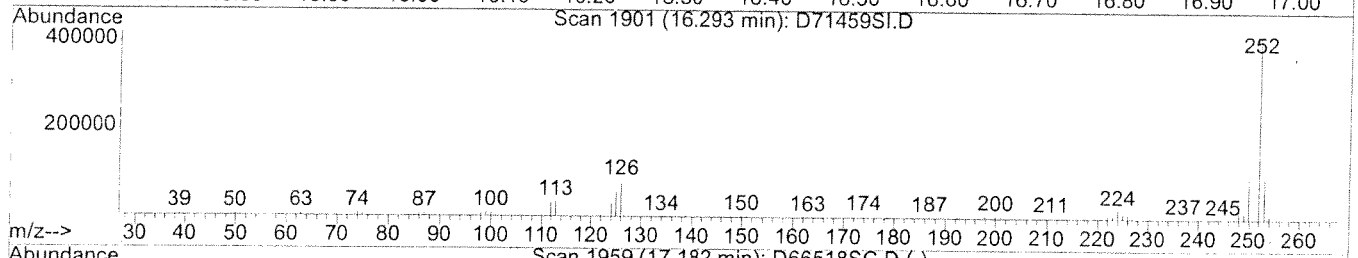
Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D
Acq On : 5 Aug 2010 8:23 am
Sample : S9711 ARO 100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:45 2010

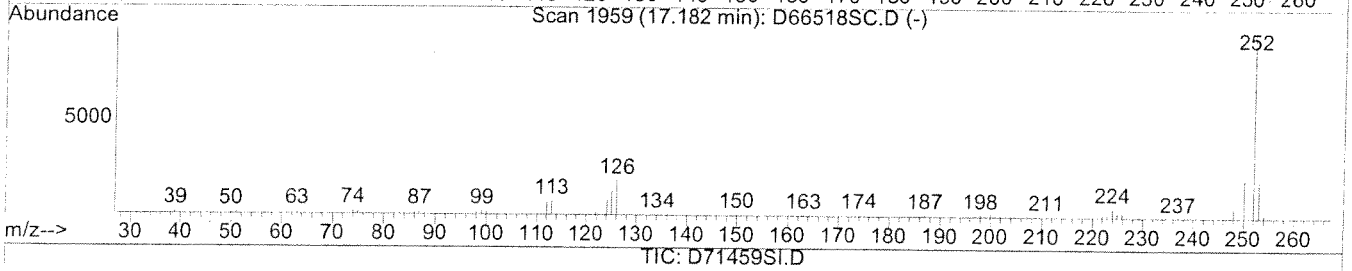
Vial: 14
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Multiple Level Calibration







TIC: D71459SI.D

(17) Benzo[k] fluoranthene (TM)

16.29min 114.05ug/ml m

response 920948

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	20.96
125.00	5.30	15.19#
0.00	0.00	0.00

D71459SI.D ARM80410.M Fri Aug 06 01:45:59 2010

Quantitation Report (Qedit)

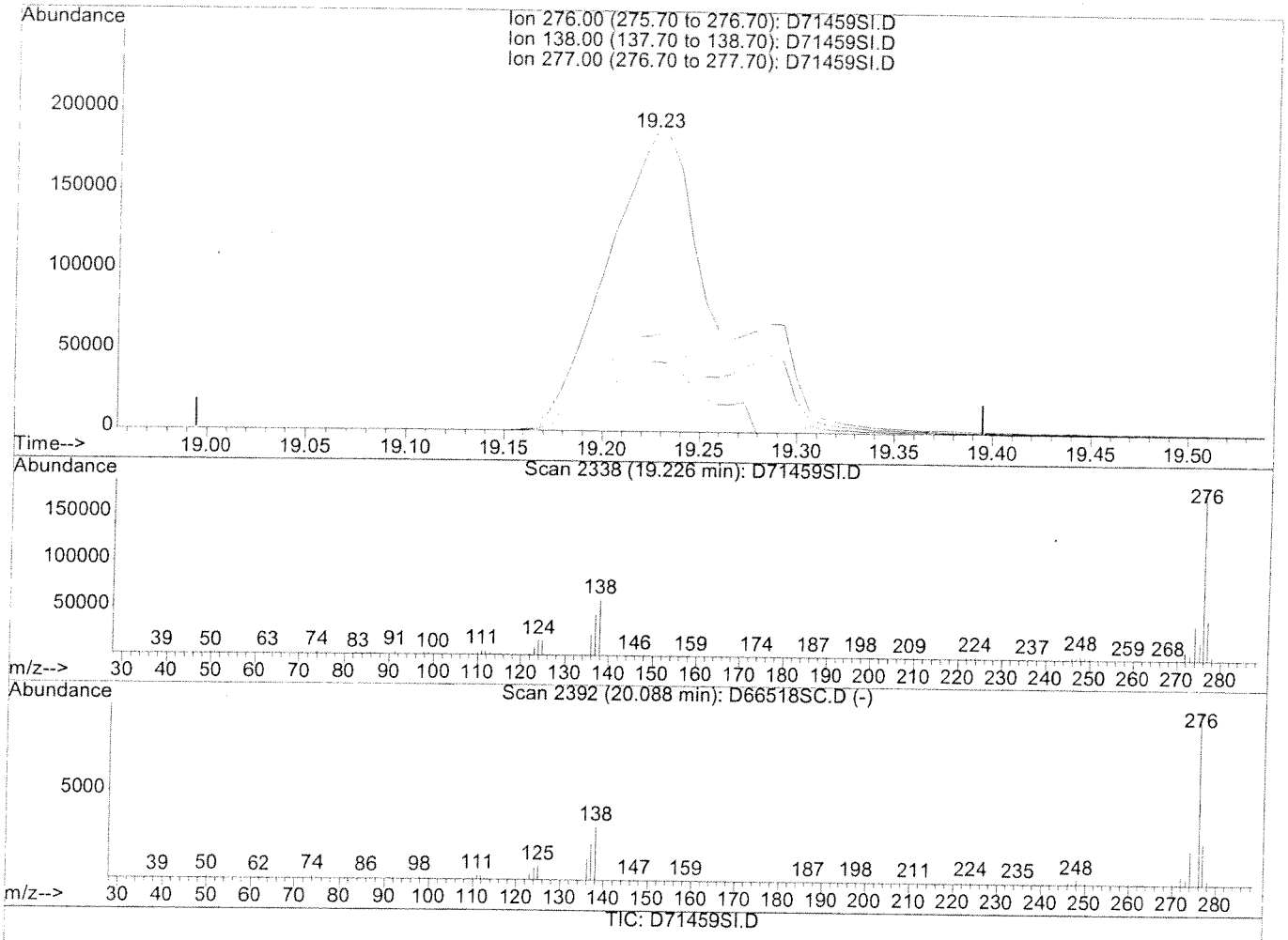
Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D
Acq On : 5 Aug 2010 8:23 am
Sample : S9711 ARO 100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:16 2010

Vial: 14
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Multiple Level Calibration

NFO 80510
Cool



(19) Indeno [1,2,3-cd] pyrene (TM)

19.23min 100.35ug/ml

response 764613

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	28.57#
277.00	23.80	20.77
0.00	0.00	0.00

8/6/10

D71459SI.D ARM80410.M Thu Aug 05 11:16:52 2010

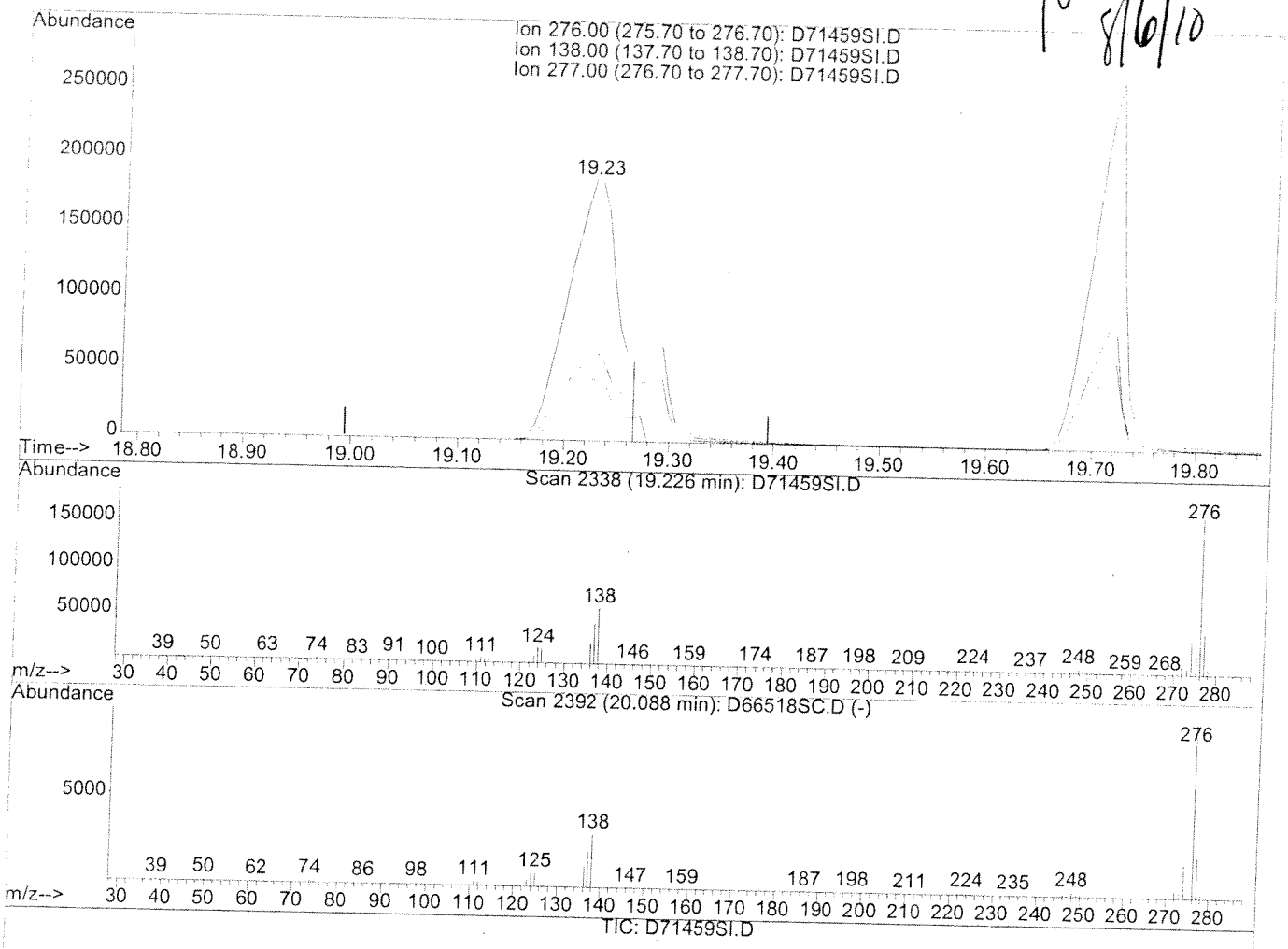
Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D
Acq On : 5 Aug 2010 8:23 am
Sample : S9711 ARO 100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:45 2010

Vial: 14
Operator: AR/NP
Inst : GC/MS In
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Multiple Level Calibration

8/6/10



(19) Indeno [1,2,3-cd] pyrene (TM)

19.23min 85.69ug/ml m

response 622812

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	35.07#
277.00	23.80	25.50
0.00	0.00	0.00

08910

D71459SI.D ARM80410.M Fri Aug 06 01:47:16 2010

MS AROMATIC
ICV

Data File Name D71460.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/5/2010 8:53

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	22.55	20	113%	OK
2-Methylnaphthalene	22.33	20	112%	OK
Acenaphthylene	22.20	20	111%	OK
Acenaphthene	22.24	20	111%	OK
Fluorene	22.47	20	112%	OK
Phenanthrene	21.99	20	110%	OK
Anthracene	22.53	20	113%	OK
o-terphenyl	23.18	20	116%	OK
Fluoranthene	21.67	20	108%	OK
Pyrene	22.24	20	111%	OK
Benzo[a]anthracene	22.19	20	111%	OK
Chrysene	22.58	20	113%	OK
Benzo[b] fluoranthene	20.30	20	102%	OK
Benzo[k] fluoranthene	22.10	20	110%	OK
Benzo[a] pyrene	22.55	20	113%	OK
Indeno [1,2,3-cd] pyrene	20.32	20	102%	OK
Dibenz [a,h] anthracene	22.10	20	111%	OK
Benzo(g,h,i) perylene	22.94	20	115%	OK

8/6/10

08910

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
3 Integration Params: RTEINT.P
Quant Time: Aug 6 1:50 2010

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

8/6/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	30229	20.00 ug/ml	0.00

System Monitoring Compounds

9) 2-Fluorobiphenyl	0.00	172	0	0.00 ug/ml	
Spiked Amount 20.000	Range 40 - 140		Recovery = 0.00%#		
10) 2-Bromonaphthalene	0.00	206	0	0.00 ug/ml	
Spiked Amount 20.000	Range 40 - 140		Recovery = 0.00%#		
11) o-terphenyl	10.29	230	108521	23.18 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 115.90%		

Target Compounds

					Qvalue
2) Naphthalene	6.71	128	275055	22.55 ug/ml	100
3) 2-Methylnaphthalene	7.41	141	148382	22.33 ug/ml	98
4) Acenaphthylene	8.30	152	254844	22.20 ug/ml	99
5) Acenaphthene	8.47	154	142432	22.24 ug/ml	99
6) Fluorene	8.99	166	167212	22.47 ug/ml	99
7) Phenanthrene	9.94	178	220537	21.99 ug/ml	100
8) Anthracene	10.00	178	235154	22.53 ug/ml	99
12) Fluoranthene	11.30	202	226258	21.67 ug/ml#	91
13) Pyrene	11.63	202	238512	22.24 ug/ml#	90
14) Benzo[a]anthracene	13.85	228	182759	22.19 ug/ml	99
15) Chrysene	13.93	228	196332	22.58 ug/ml	99
16) Benzo[b] fluoranthene	16.20	252	146621	20.30 ug/ml#	92
17) Benzo[k] fluoranthene	16.25	252	163381	22.10 ug/ml#	92
18) Benzo[a] pyrene	16.88	252	153981	22.55 ug/ml#	91
19) Indeno [1,2,3-cd] pyrene	19.20	276	110941m	20.32 ug/ml	
20) Dibenz [a,h] anthracene	19.25	278	124041	22.10 ug/ml#	86
21) Benzo(g,h,i) perylene	19.69	276	139676	22.94 ug/ml#	75

JB 8/10

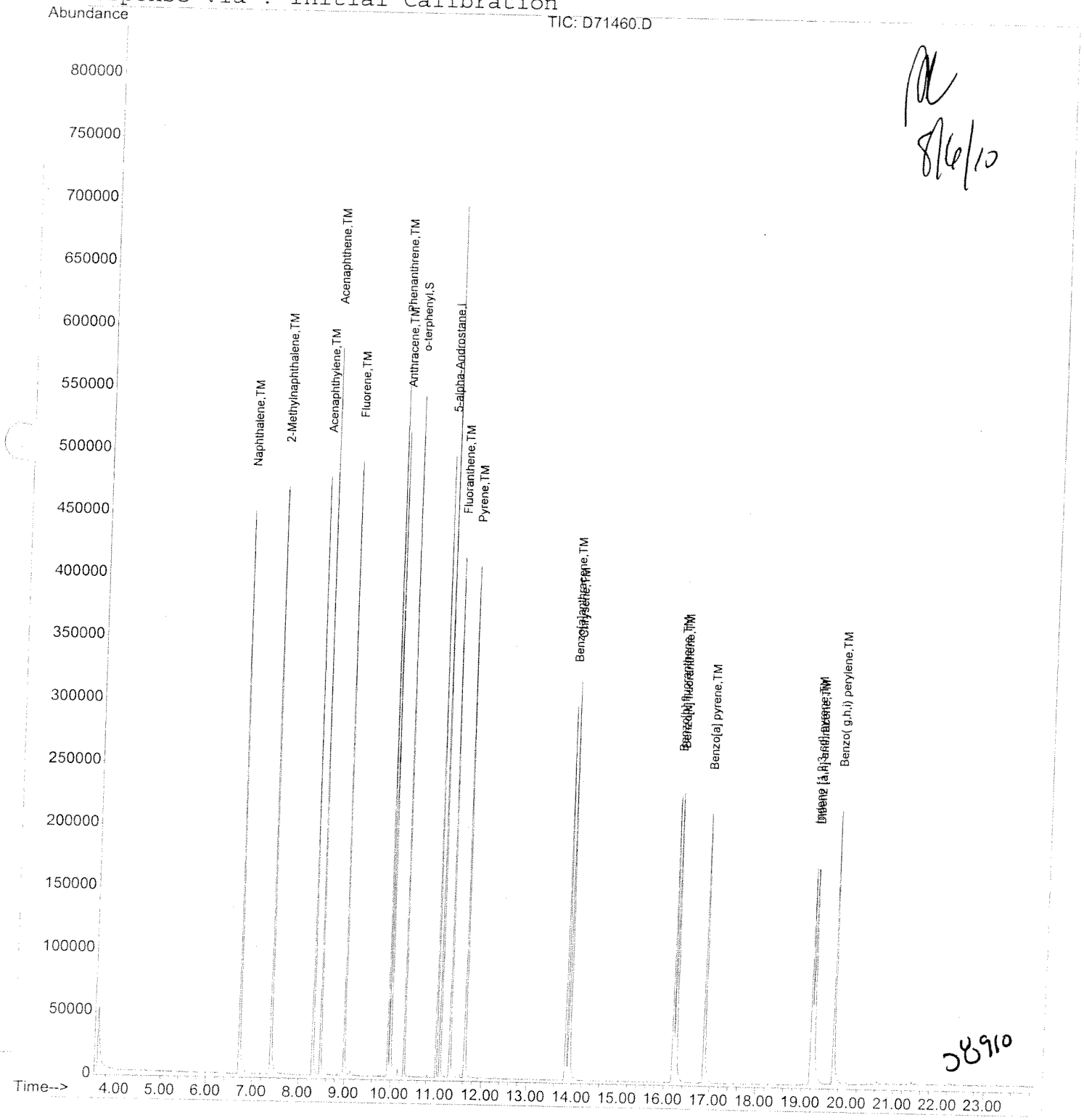
(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:50 2010

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.R

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Initial Calibration



8/6/10

08910

D71460.D ARM80410.M Fri Aug 06 01:50:42 2010

Integration Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:49 2010

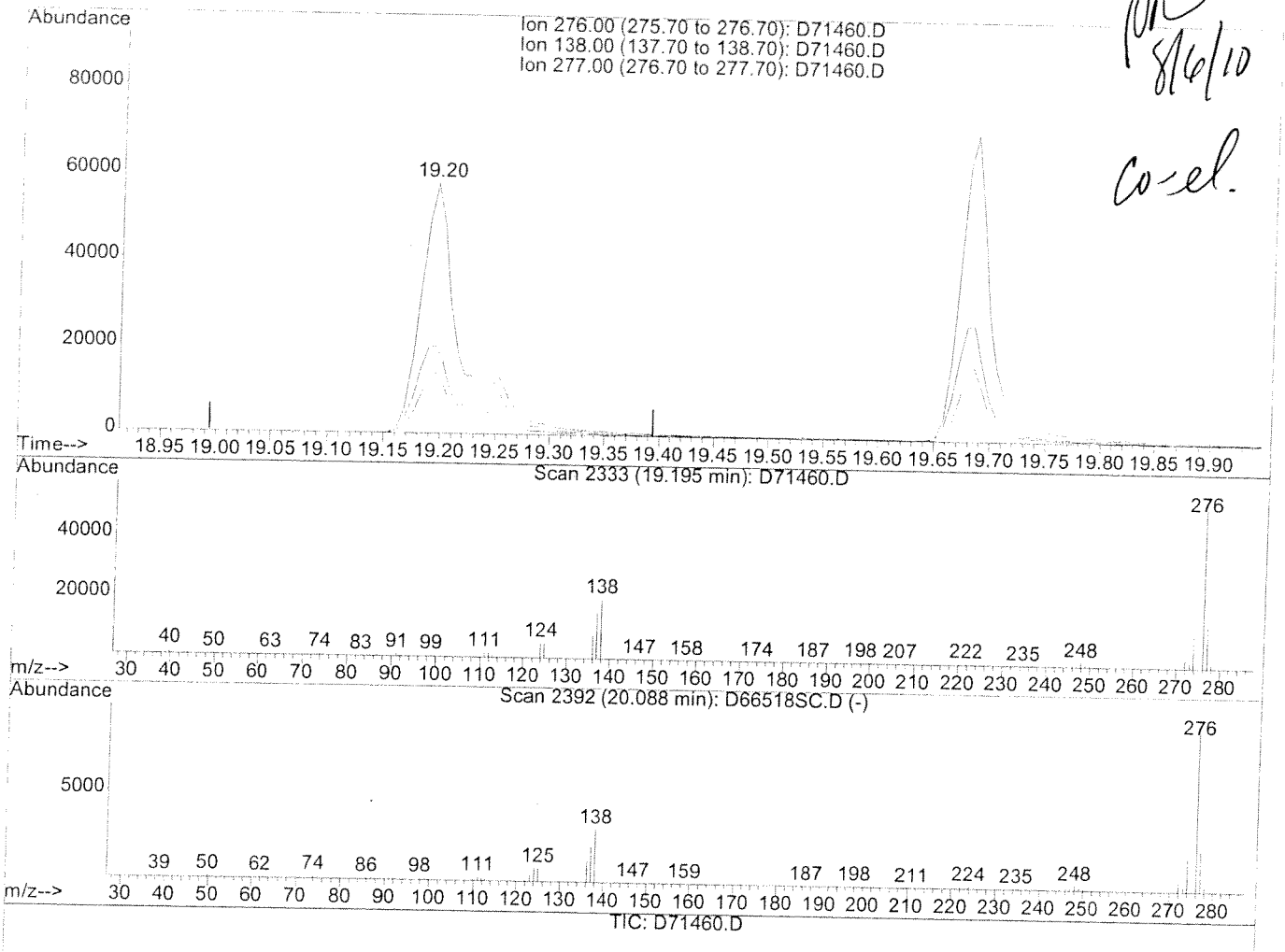
Vial: 15
Operator: AR/NP
Inst : GC/MS In
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Multiple Level Calibration

AR 8/6/10

Co-el.



(19) Indeno [1,2,3-cd] pyrene (TM)

19.20min 27.72ug/ml

response 154553

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	27.68#
277.00	23.80	17.45#
0.00	0.00	0.00

38910

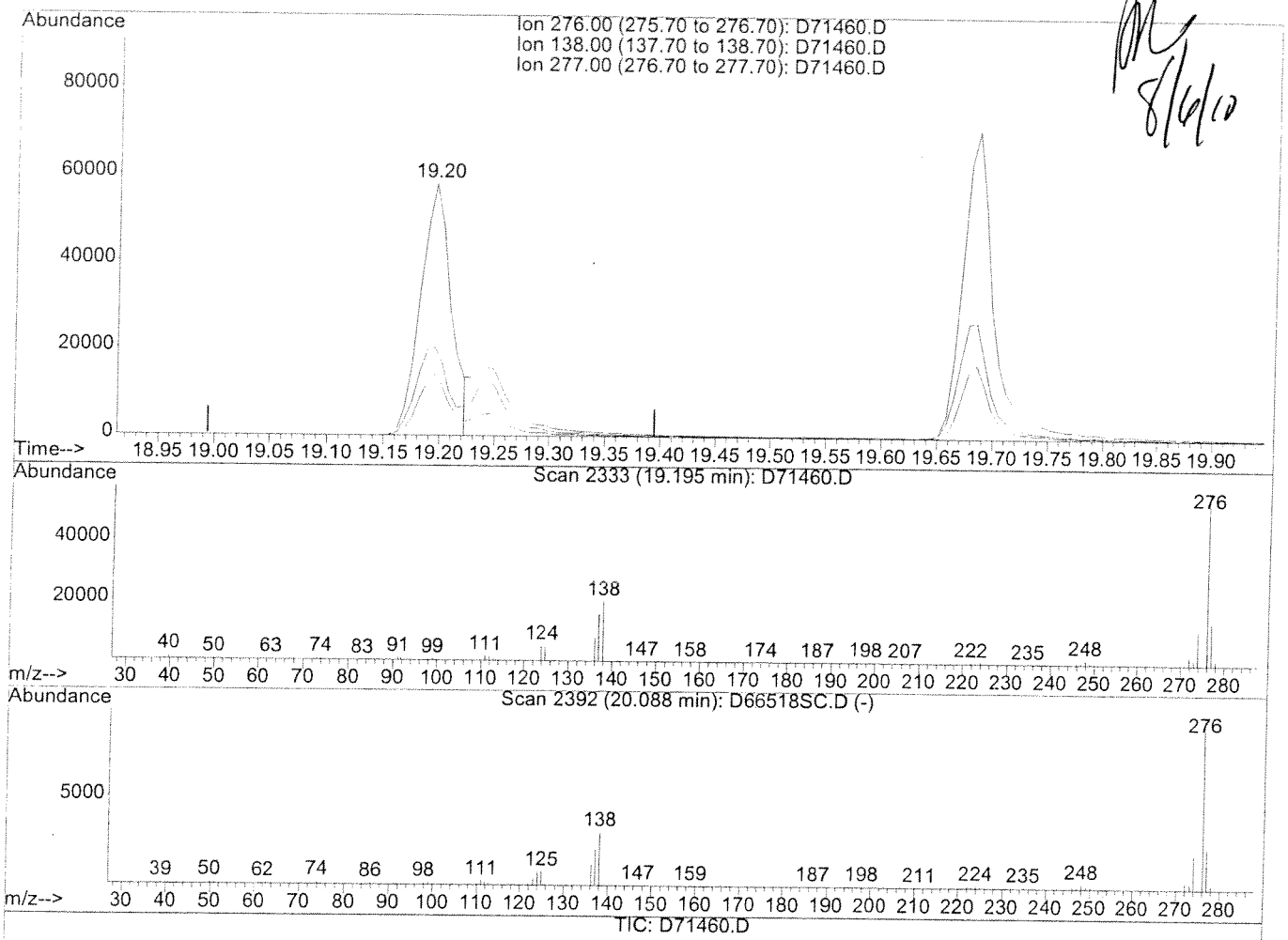
D71460.D ARM80410.M Fri Aug 06 01:50:12 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:50 2010

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Multiple Level Calibration



8/6/10

(19) Indeno [1,2,3-cd] pyrene (TM)

19.20min 20.32ug/ml m

response 110941

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	38.56#
277.00	23.80	24.31
0.00	0.00	0.00

08910

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010

N1C80510

Calibration Files

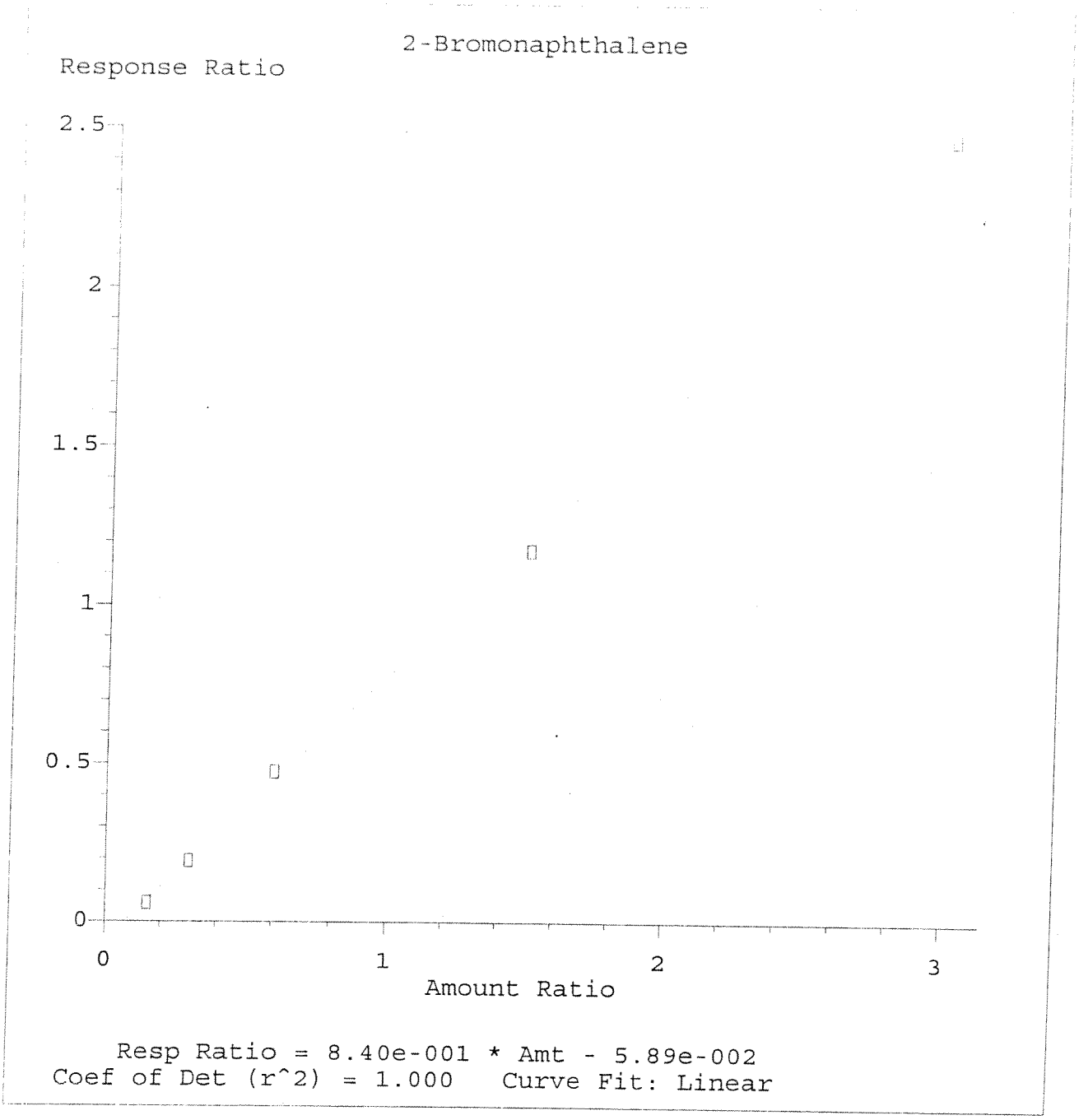
2	=D71454SI.D	5	=D71455SI.D	10	=D71456SI.D
20	=D71457SI.D	50	=D71458SI.D	100	=D71459SI.D

		Compound	2	5	10	20	50	100	Avg		%R
1)	I	5-alpha-Androstane	ISTD								
2)	TZ	Naphthalene	1.010	1.076	1.056	1.046	1.104	1.173	1.077	0	5.
3)	TZ	2-Methylnaphthalene	1.004	1.010	1.043	1.027	1.082	1.088	1.042	0	3.
4)	TZ	Acenaphthylene	0.939	0.946	0.990	0.995	1.017	1.029	0.986	0	3.
5)	TZ	Acenaphthene	1.282	1.228	1.176	1.150	1.116	1.112	1.177	0	5.
6)	TZ	Fluorene	0.909	0.933	0.933	0.972	0.997	0.991	0.956	0	3.
7)	TZ	Phenanthrene	0.869	0.968	1.002	0.976	1.049	1.030	0.982	0	6.
8)	TZ	Anthracene	0.898	1.009	1.039	0.998	1.047	0.991	0.997	0	5.
9)	S	2-Fluorobiphenyl	—	0.934	0.957	0.978	1.013	1.053	0.987	0	4.
10)	S	2-Bromonaphthalene	—	0.396	0.639	0.790	0.782	0.824	0.686	0	25.
11)	S	o-terphenyl	—	0.912	0.920	0.914	0.948	0.989	0.937	0	3.4
12)	TZ	Fluoranthene	0.939	0.958	0.937	0.951	1.014	1.013	0.969	0	3.6
13)	TZ	Pyrene	0.947	0.972	0.990	1.010	1.028	1.021	0.995	0	3.1
14)	TZ	Benzo[a]anthracene	0.676	0.747	0.781	0.845	0.927	0.925	0.817	0	12.3
15)	TZ	Chrysene	0.847	0.902	0.906	0.959	0.990	0.970	0.929	0	5.7
16)	TZ	Benzo[b] fluoranthe	0.543	0.598	0.639	0.694	0.770	0.782	0.671	0	14.2
[illegible])	TZ	Benzo[k] fluoranthe	0.702	0.751	0.761	0.804	0.827	0.811	0.776	0	6.0
18)	TZ	Benzo[a] pyrene	0.517	0.592	0.663	0.712	0.752	0.765	0.667	0	14.5
19)	TZ	Indeno [1,2,3-cd] p	0.318	0.413	0.475	0.552	0.606	0.562	0.488	0	22.1
20)	TZ	Dibenz [a,h] anthra	0.552	0.650	0.708	0.746	0.695	0.691	0.673	0	9.9
21)	TZ	Benzo(g,h,i) peryl	0.506	0.600	0.638	0.715	0.651	0.572	0.614	0	11.6
22)	XH	c11-c22	0.792	0.844	0.867	0.891	0.922	0.913	0.872	0	5.5

8/5/10

(#) = Out of Range

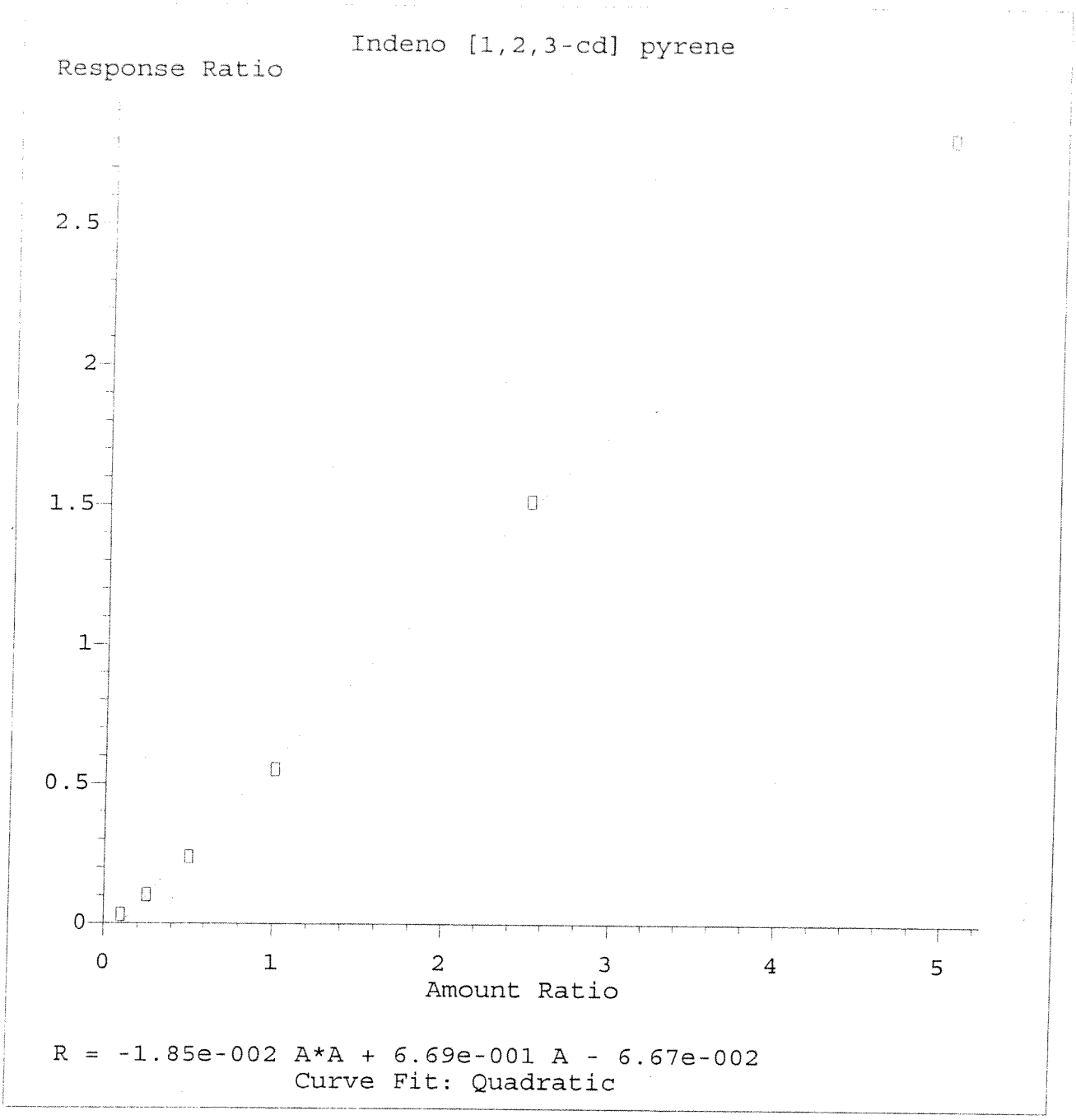
W108050



Method Name: D:\HPCHEM\1\METHODS\ARG80410.M
Calibration Table Last Updated: Thu Aug 05 10:32:35 2010

JM 8/5/10

NPE8050



Method Name: D:\HPCHEM\1\METHODS\ARG80410.M
Calibration Table Last Updated: Thu Aug 05 10:34:13 2010

✓ BM 8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:22 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N-080510

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7321140	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	400952	1.075 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	5.38%#
10) S 2-Bromonaphthalene	8.45	259067	<MDL ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
11) S o-terphenyl	10.30	263140	<MDL ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
Target Compounds			
2) TZ Naphthalene	6.72	739434	2.118 ug/ml
3) TZ 2-Methylnaphthalene	7.41	735081	2.008 ug/ml
4) TZ Acenaphthylene	8.31	687457	1.884 ug/ml
5) TZ Acenaphthene	8.47	938876	1.070 ug/mlm
6) TZ Fluorene	8.99	665453	1.746 ug/ml
7) TZ Phenanthrene	9.95	635887	1.640 ug/ml
8) TZ Anthracene	10.00	657438	1.739 ug/ml
12) TZ Fluoranthene	11.31	687294	1.734 ug/ml
13) TZ Pyrene	11.64	693311	1.686 ug/ml
14) TZ Benzo[a]anthracene	13.86	494989	2.649 ug/ml
15) TZ Chrysene	13.93	620391	1.674 ug/ml
16) TZ Benzo[b] fluoranthene	16.20	397338	2.158 ug/ml
17) TZ Benzo[k] fluoranthene	16.26	513847	1.888 ug/ml
18) TZ Benzo[a] pyrene	16.89	378441	2.595 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.21	232930	2.844 ug/ml
20) TZ Dibenz [a,h] anthracene	19.26	403891	1.151 ug/ml
21) TZ Benzo(g,h,i) perylene	19.70	370741	2.257 ug/ml
22) XH c11-c22	11.79	15652020	43.463 ug/ml

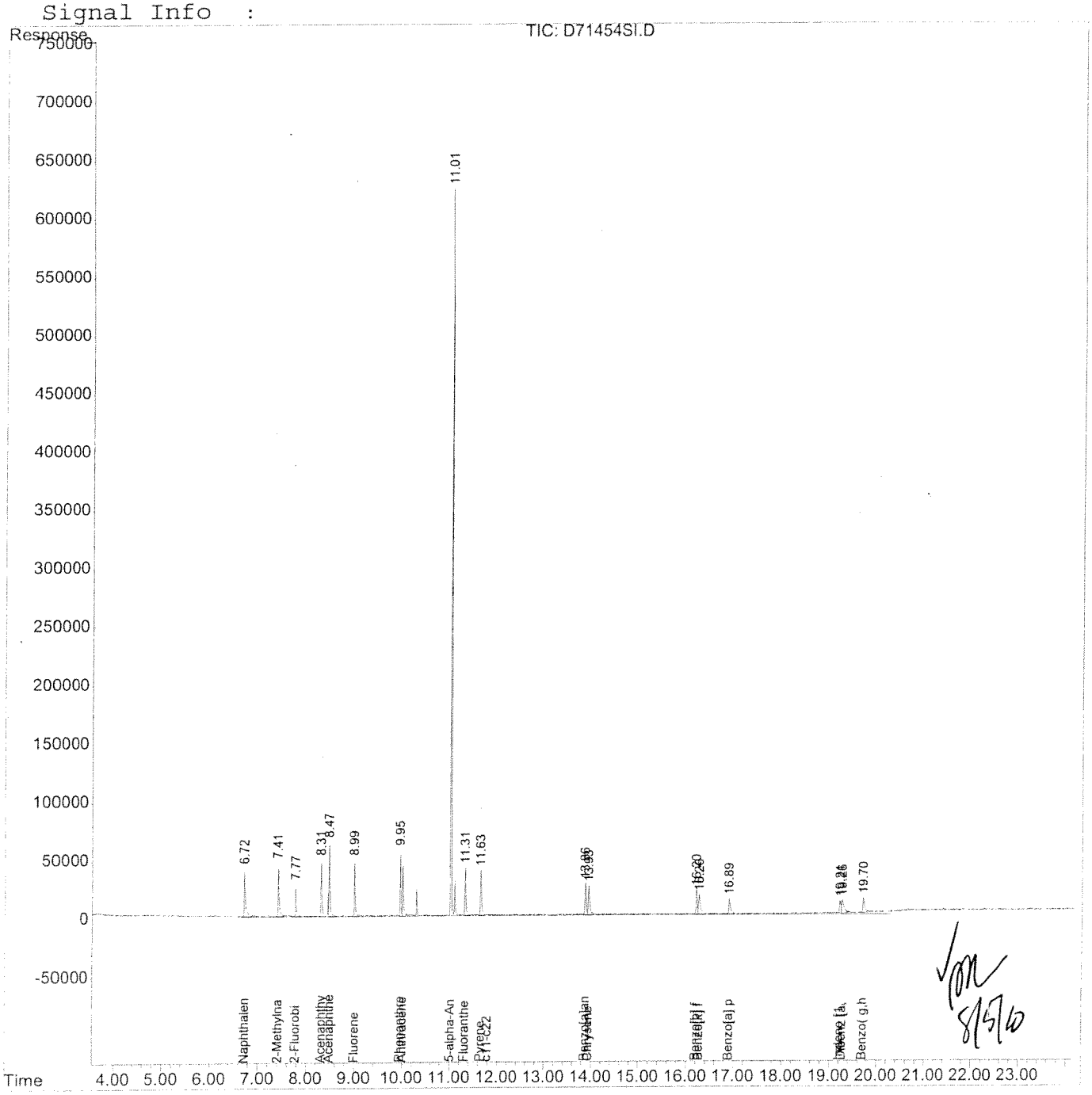
8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:22 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration MP080510
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



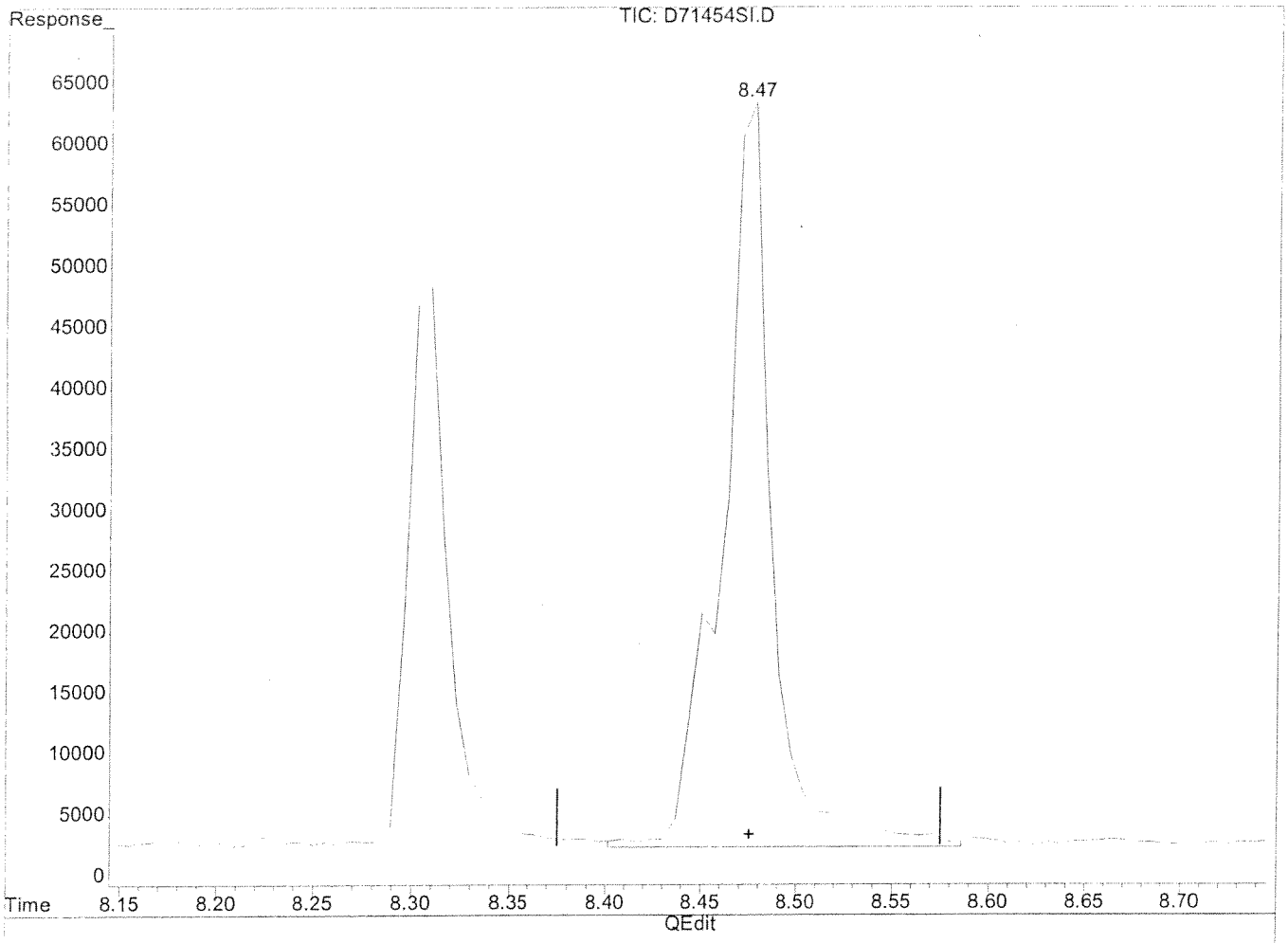
8/5/10

Quantitation Report (QEdit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 8:28 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration

N080710
Cool



(5) Acenaphthene (TZ)

8.48min 1.447ug/ml

response 1104428

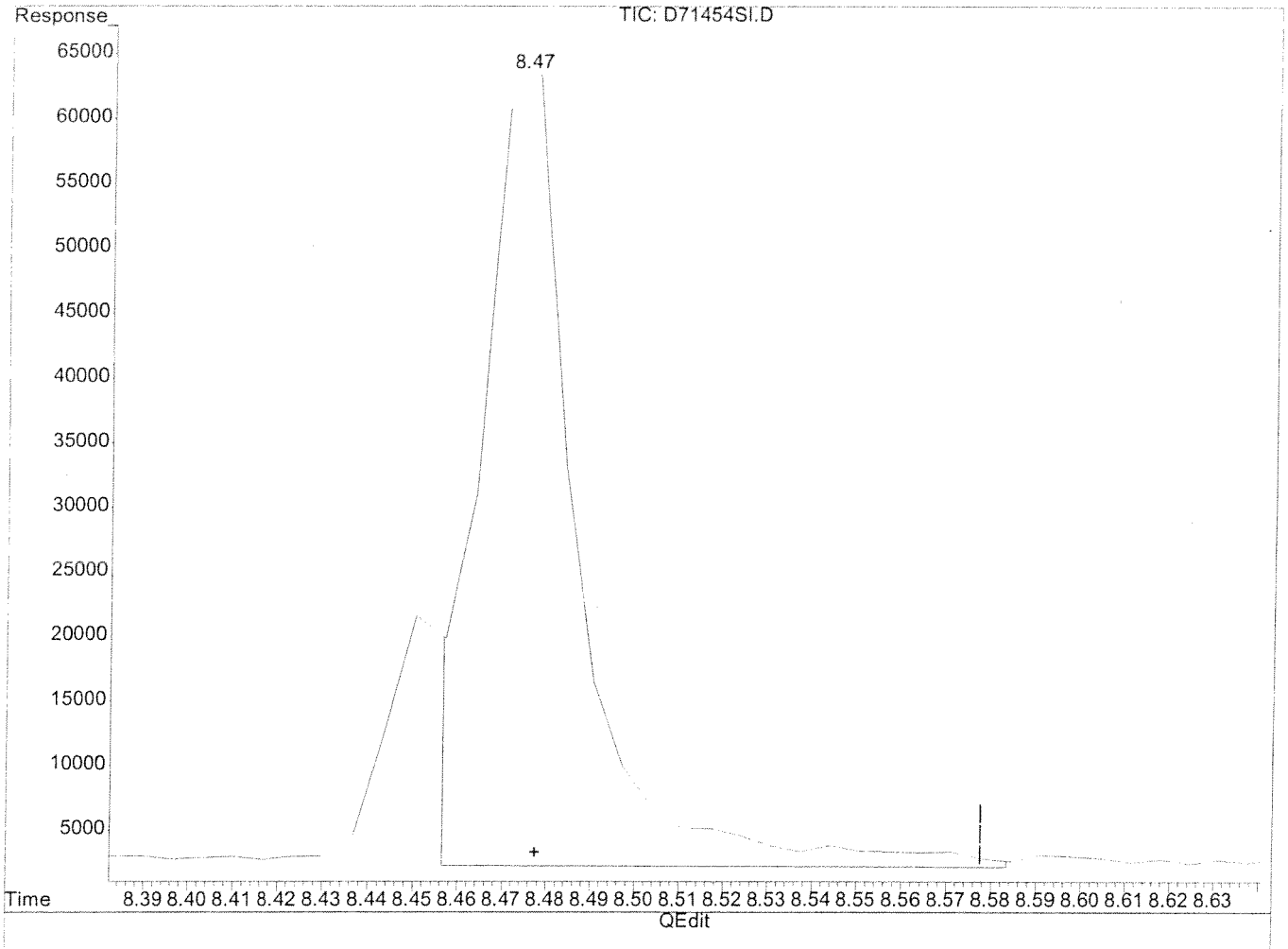
8/5/10

(+) = Expected Retention Time
D71454SI.D ARG80410.M Thu Aug 05 08:30:56 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:22 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration

NRO80516



(5) Acenaphthene (TZ)

8.47min 1.070ug/ml m

response 938876

8/5/10

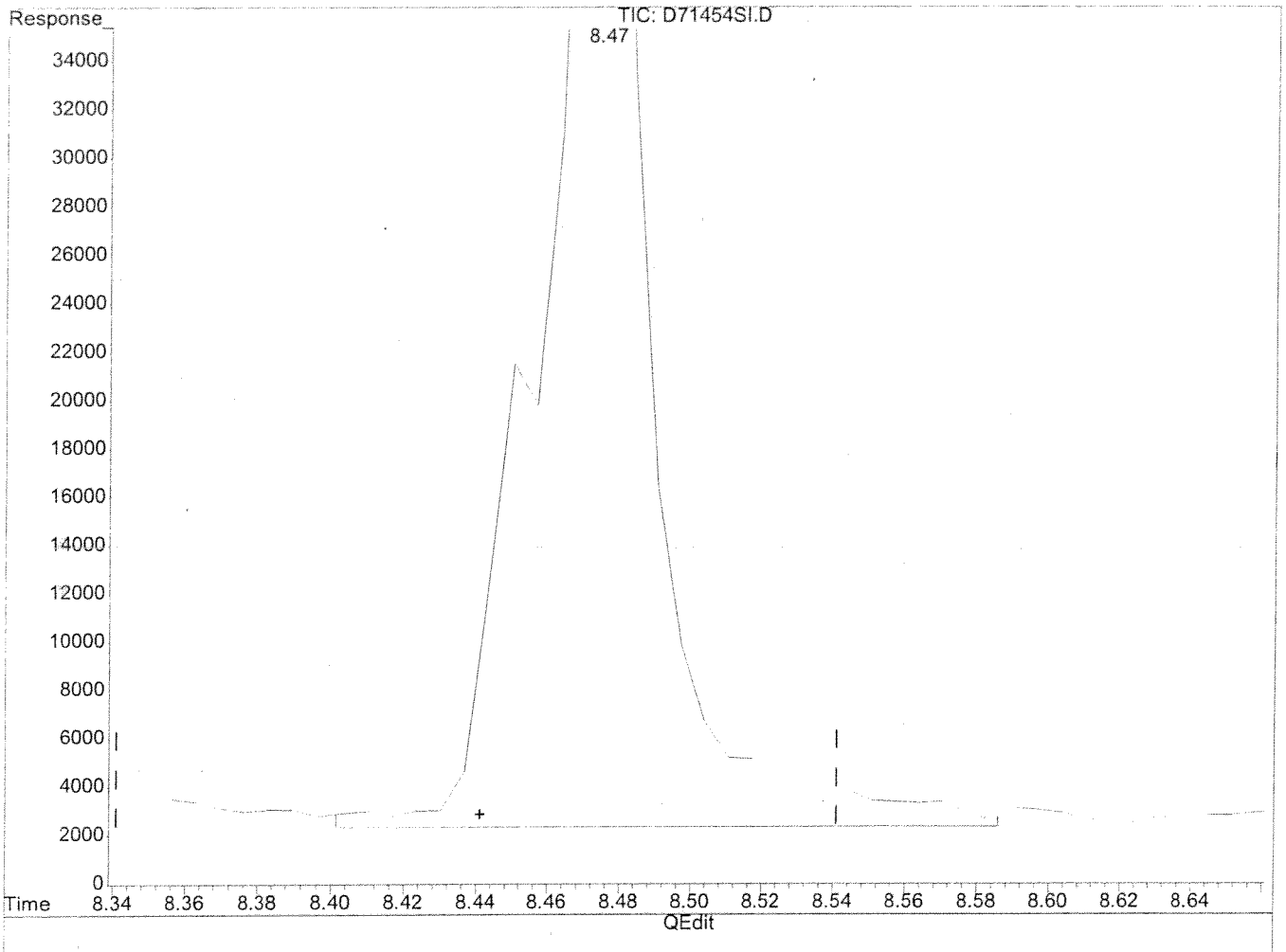
(+) = Expected Retention Time
D71454SI.D ARG80410.M Thu Aug 05 10:22:30 2010

Quantitation Report (QEdit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 8:27 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration

Vrb 80410
C0x0



(10) 2-Bromonaphthalene (S)

8.48min 3.821ug/ml

response 1104428

✓ 8/5/10

(+) = Expected Retention Time

D71454SI.D ARG80410.M Thu Aug 05 08:27:47 2010

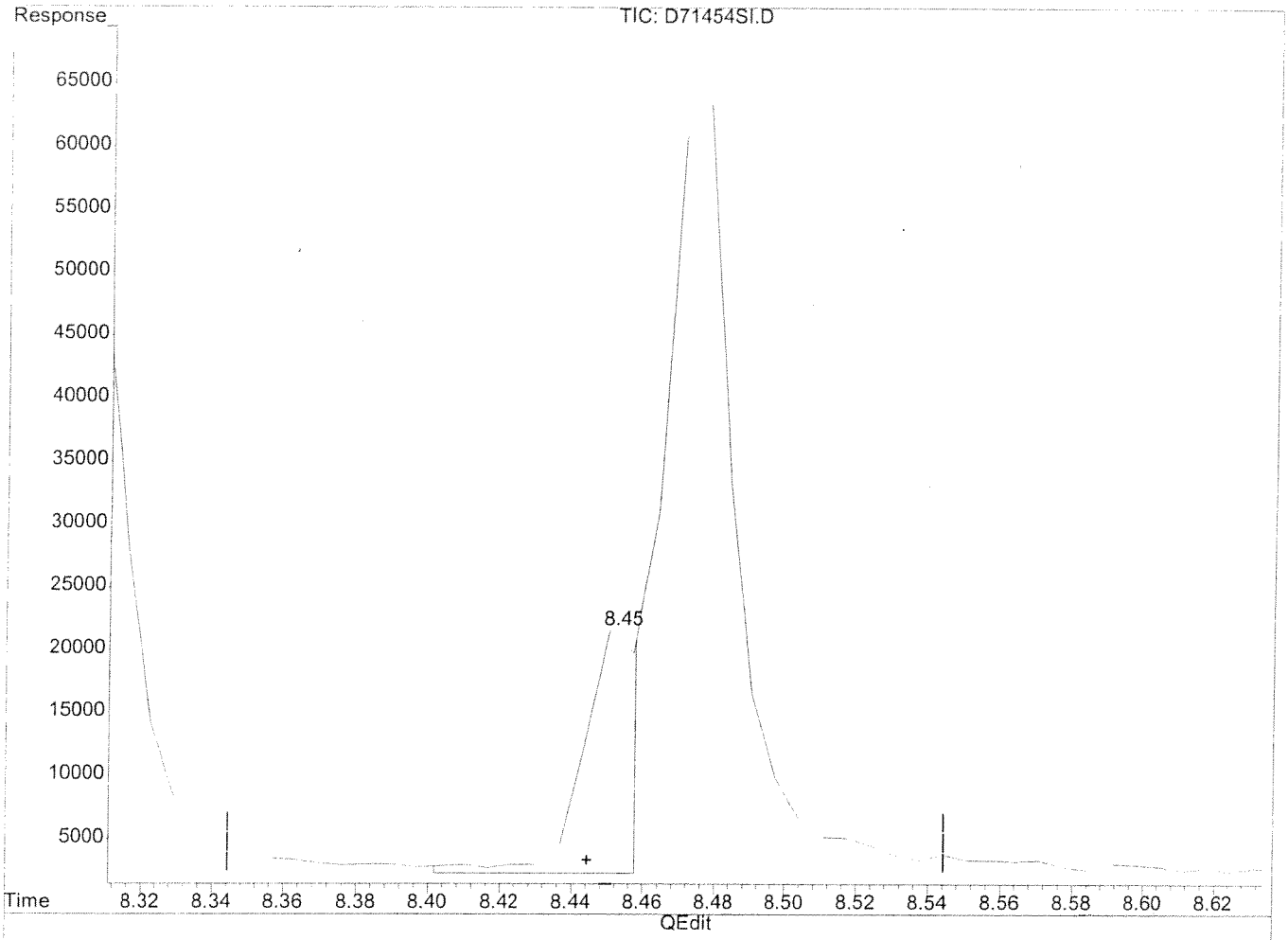
Quantitation Report (QEdit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D
Acq On : 5 Aug 2010 5:51 am
Sample : S9706 ARO 2
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:22 2010 Quant Results File: ARG80410.RES

Vial: 9
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration

NJ080510



(10) 2-Bromonaphthalene (S)

8.45min 0.896ug/ml m

response 259067

JAN 8/5/10

(+) = Expected Retention Time

D71454SI.D ARG80410.M Thu Aug 05 10:22:45 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D
Acq On : 5 Aug 2010 6:22 am
Sample : S9707 ARO 5
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:26 2010 Quant Results File: ARG80410.RES

Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

ARO80510

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7034296	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	985691	2.749 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	13.75%#
10) S 2-Bromonaphthalene	8.45	417787	1.504 ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	7.52%#
11) S o-terphenyl	10.29	641633	1.393 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	6.97%#
Target Compounds			
2) TZ Naphthalene	6.72	1891898	5.641 ug/ml
3) TZ 2-Methylnaphthalene	7.41	1775647	5.048 ug/ml
4) TZ Acenaphthylene	8.31	1663312	4.743 ug/ml
5) TZ Acenaphthene	8.47	2159813	4.069 ug/mlm
6) TZ Fluorene	8.99	1640841	4.480 ug/ml
7) TZ Phenanthrene	9.95	1701825	4.567 ug/ml
8) TZ Anthracene	10.00	1775029	4.888 ug/ml
12) TZ Fluoranthene	11.31	1684148	4.422 ug/ml
13) TZ Pyrene	11.63	1708938	4.325 ug/ml
14) TZ Benzo[a]anthracene	13.85	1314199	4.769 ug/ml
15) TZ Chrysene	13.93	1586729	4.455 ug/ml
16) TZ Benzo[b] fluoranthene	16.19	1051658	4.139 ug/ml
17) TZ Benzo[k] fluoranthene	16.25	1321090	4.086 ug/ml
18) TZ Benzo[a] pyrene	16.88	1040877	4.559 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.20	727145	4.369 ug/ml
20) TZ Dibenz [a,h] anthracene	19.25	1142689	3.389 ug/ml
21) TZ Benzo(g,h,i) perylene	19.69	1055296	4.053 ug/ml
22) XH c11-c22	11.79	31324045	90.529 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

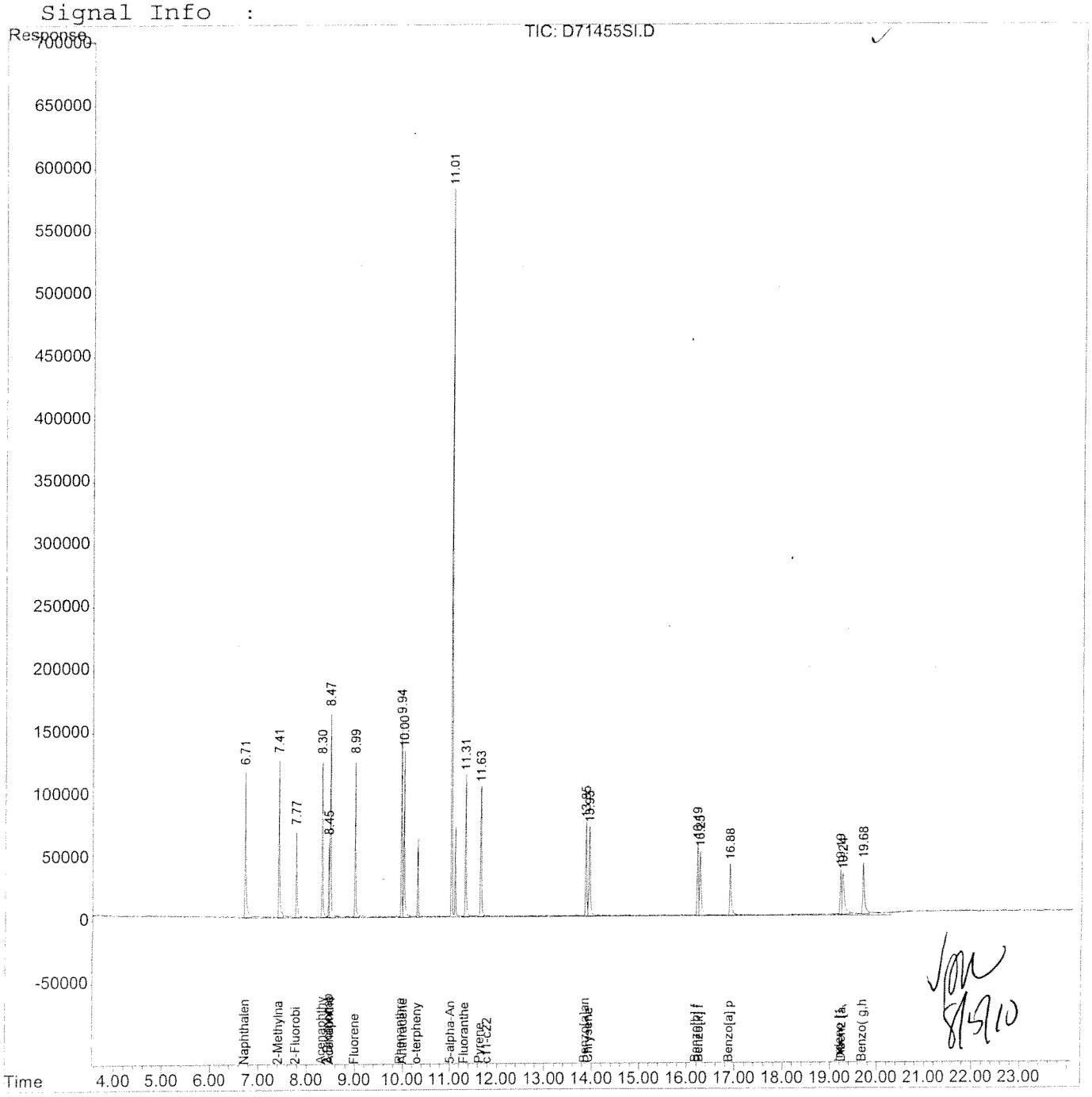
Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D
Acq On : 5 Aug 2010 6:22 am
Sample : S9707 ARO 5
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:26 2010 Quant Results File: ARG80410.RES

Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Nra 80510

Volume Inj. :
Signal Phase :
Signal Info :



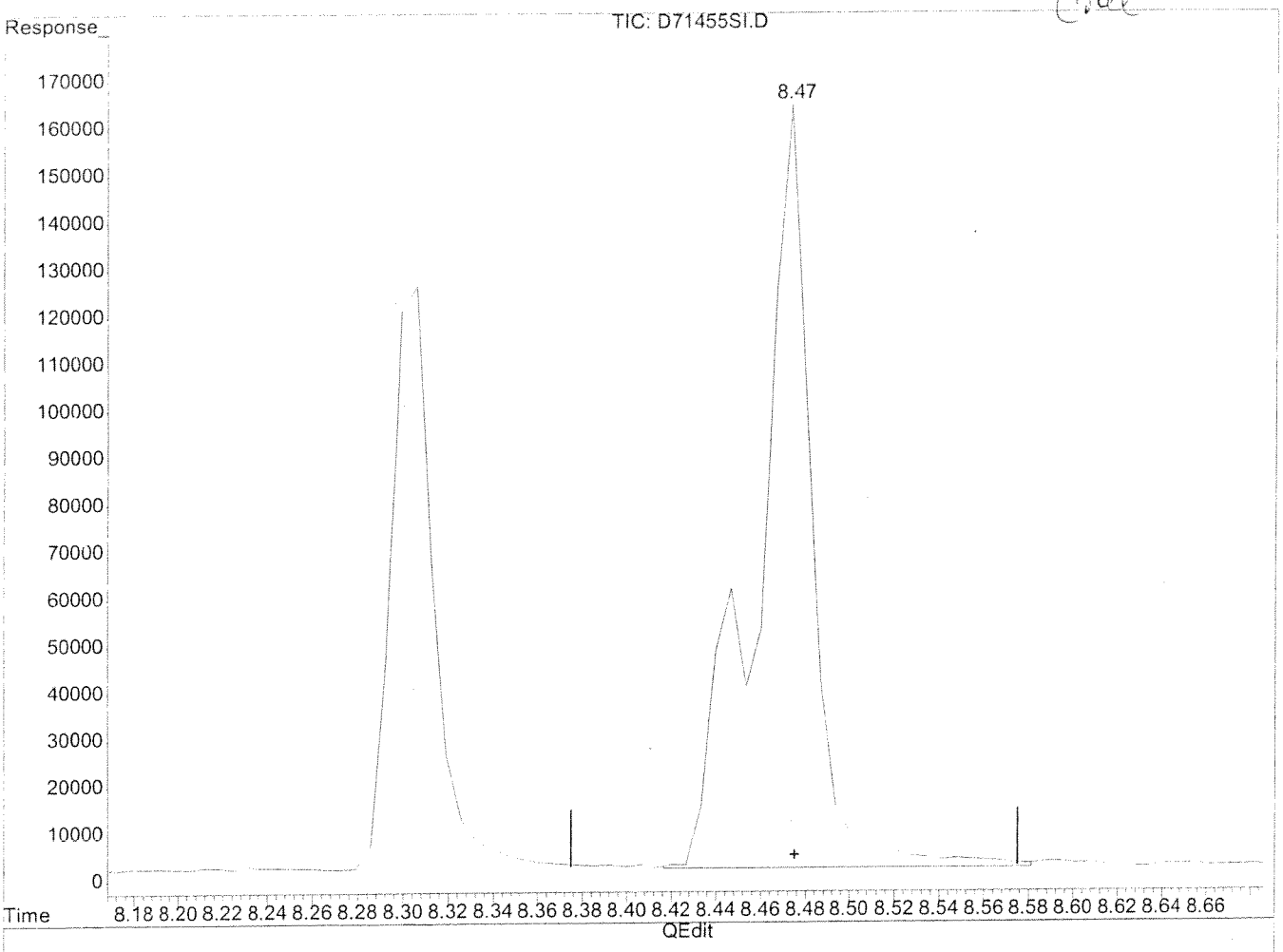
JAN 8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D
Acq On : 5 Aug 2010 6:22 am
Sample : S9707 ARO 5
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 8:28 2010 Quant Results File: ARG80410.RES

Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration

N080510
Cpel



(5) Acenaphthene (TZ)

8.48min 5.466ug/ml

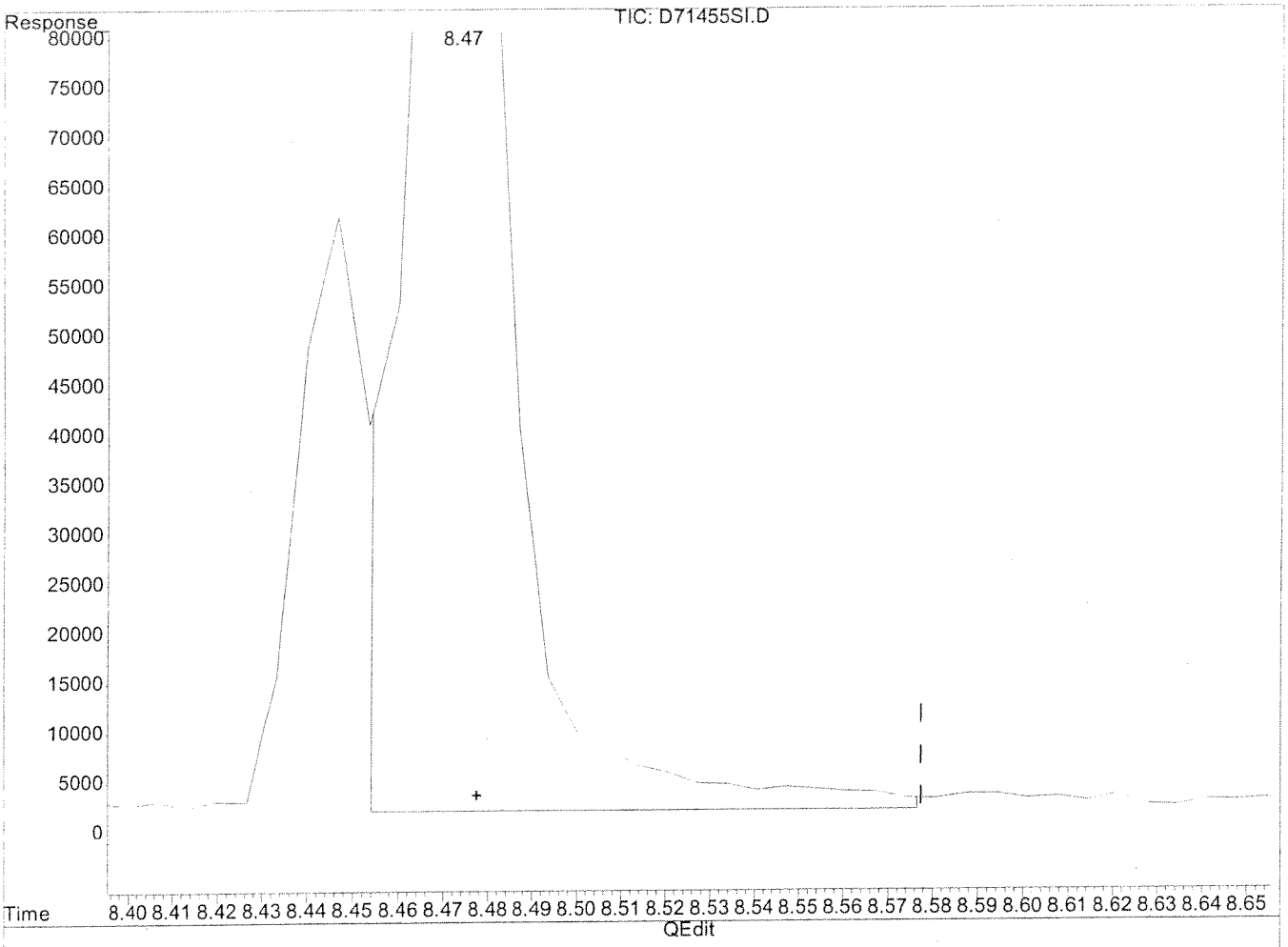
response 2740647

8/5/10

(+) = Expected Retention Time
D71455SI.D ARG80410.M Thu Aug 05 08:31:19 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D Vial: 10
Acq On : 5 Aug 2010 6:22 am Operator: AR/NP
Sample : S9707 ARO 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:25 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration



(5) Acenaphthene (TZ)

8.47min 4.069ug/ml m

response 2159813

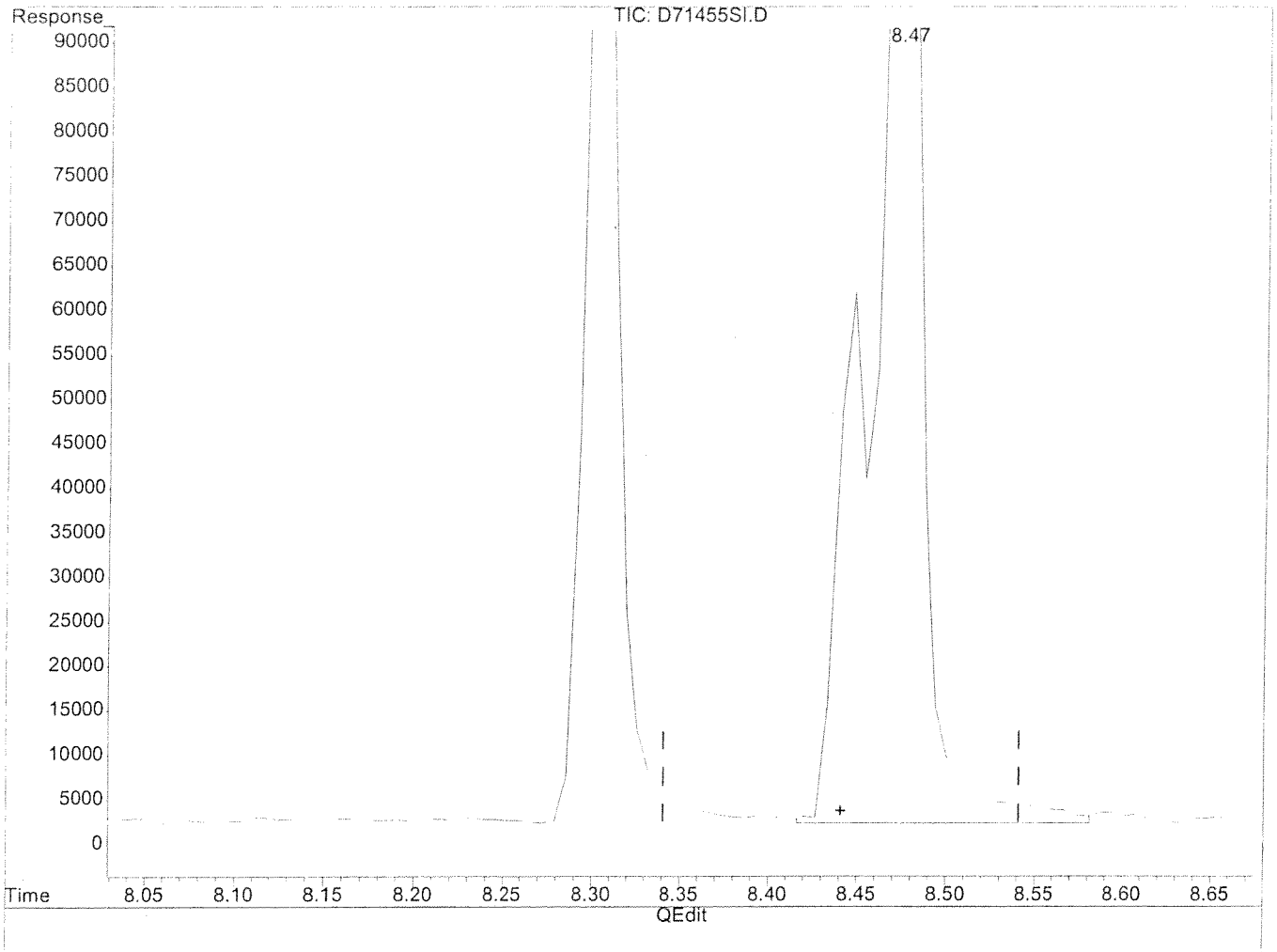
(+) = Expected Retention Time
D71455SI.D ARG80410.M Thu Aug 05 10:25:58 2010

Quantitation Report (QEdit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D Vial: 10
Acq On : 5 Aug 2010 6:22 am Operator: AR/NP
Sample : S9707 ARO 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 8:28 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration

INC 8/5/10
Cold



(10) 2-Bromonaphthalene (S)

8.48min 9.869ug/ml

response 2740647

8/5/10

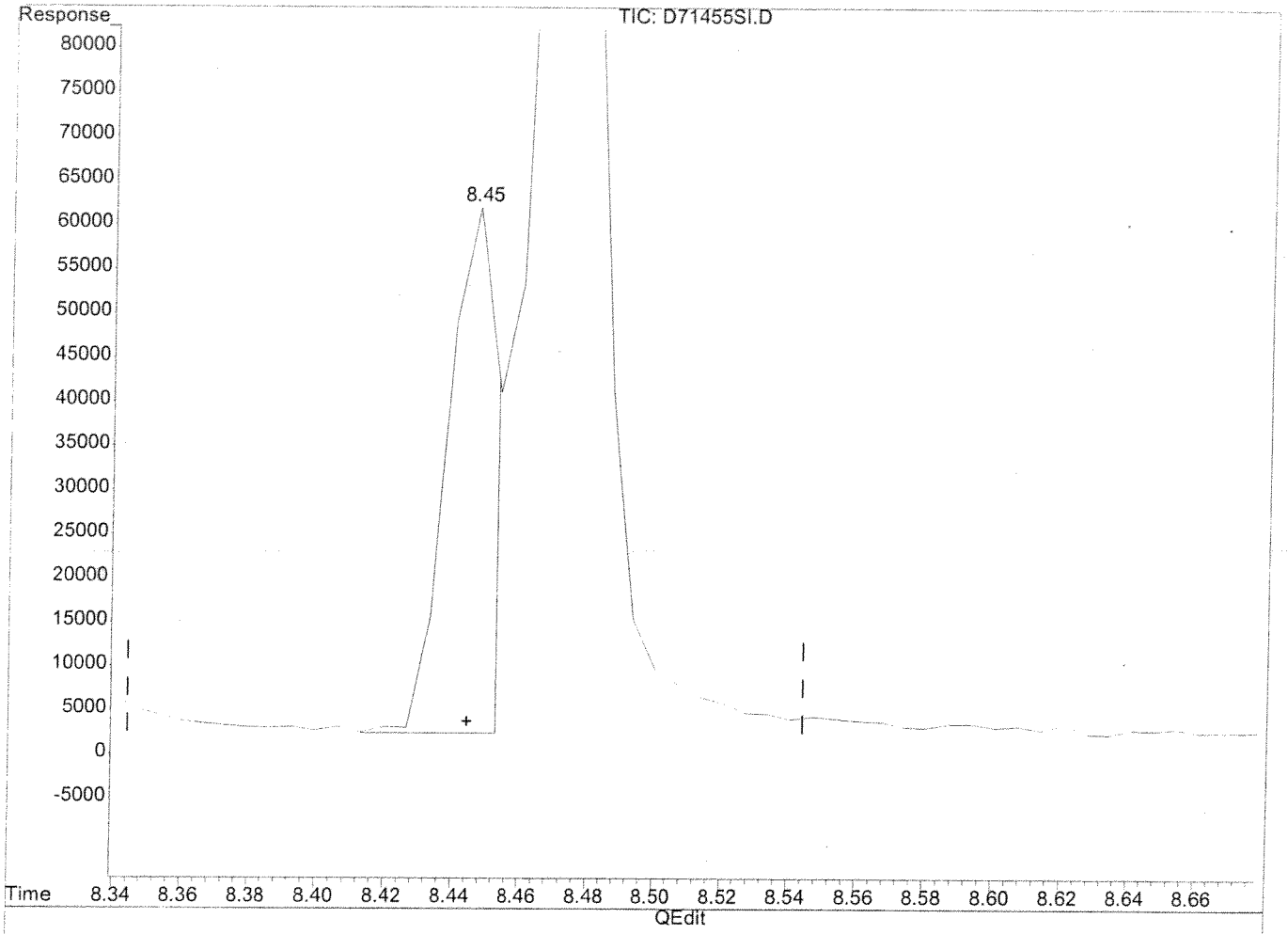
(+) = Expected Retention Time
D71455SI.D ARG80410.M Thu Aug 05 08:28:46 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D
Acq On : 5 Aug 2010 6:22 am
Sample : S9707 ARO 5
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:25 2010 Quant Results File: ARG80410.RES

Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration

NP 8/5/10



(10) 2-Bromonaphthalene (S)

8.45min 1.504ug/ml m

response 417787

8/5/10

(+) = Expected Retention Time
D71455SI.D ARG80410.M Thu Aug 05 10:26:11 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D Vial: 11
Acq On : 5 Aug 2010 6:52 am Operator: AR/NP
Sample : S9708 ARO 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:27 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration NP080510
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6843375	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	1963831	5.631 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	28.16%#
10) S 2-Bromonaphthalene	8.45	1312454	4.858 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	24.29%#
11) S o-terphenyl	10.30	1258970	2.810 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	14.05%#
Target Compounds			
2) TZ Naphthalene	6.72	3614591	11.079 ug/ml
3) TZ 2-Methylnaphthalene	7.41	3569589	10.431 ug/ml
4) TZ Acenaphthylene	8.31	3386712	9.927 ug/ml
5) TZ Acenaphthene	8.48	4023382	8.850 ug/ml
6) TZ Fluorene	8.99	3193887	8.964 ug/ml
7) TZ Phenanthrene	9.95	3428407	9.458 ug/ml
8) TZ Anthracene	10.00	3554869	10.062 ug/ml
12) TZ Fluoranthene	11.31	3207107	8.656 ug/ml
13) TZ Pyrene	11.63	3387500	8.812 ug/ml
14) TZ Benzo[a]anthracene	13.85	2671621	8.399 ug/ml
15) TZ Chrysene	13.93	3100817	8.949 ug/ml
16) TZ Benzo[b] fluoranthene	16.19	2187020	7.645 ug/ml
17) TZ Benzo[k] fluoranthene	16.25	2604952	7.672 ug/ml
18) TZ Benzo[a] pyrene	16.88	2267851	8.284 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.20	1624988	7.226 ug/ml
20) TZ Dibenz [a,h] anthracene	19.25	2420977	7.380 ug/ml
21) TZ Benzo(g,h,i) perylene	19.68	2183818	7.140 ug/ml
22) XH c11-c22	11.79	57509639	170.844 ug/ml

Jon 8/5/10

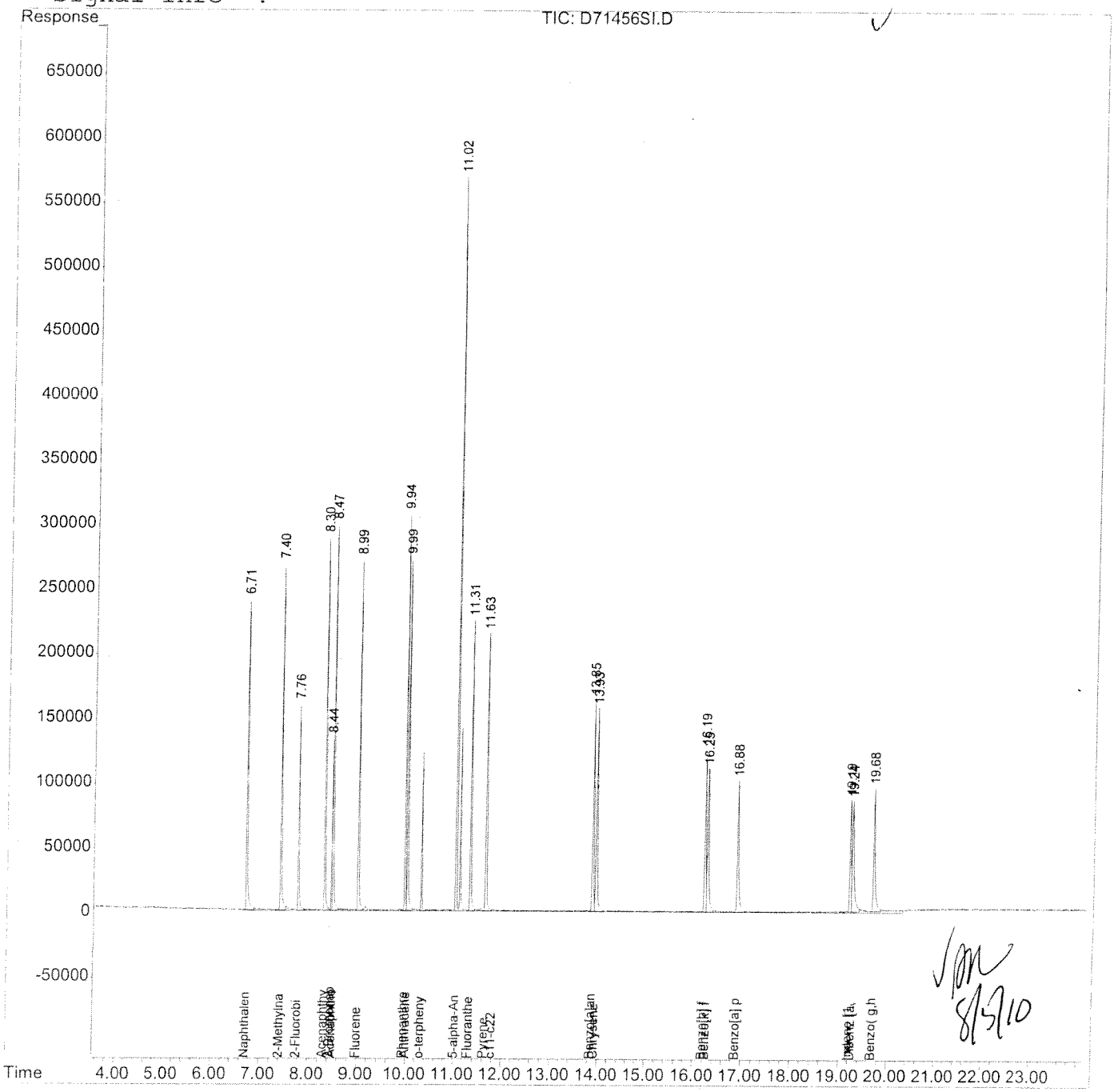
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D Vial: 11
Acq On : 5 Aug 2010 6:52 am Operator: AR/NP
Sample : S9708 ARO 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:27 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

N080540

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D
Acq On : 5 Aug 2010 7:22 am
Sample : S9937 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:29 2010 Quant Results File: ARG80410.RES

Vial: 12
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP 8/5/10
Q

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7445706	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	4369326	11.514 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	57.57%
10) S 2-Bromonaphthalene	8.44	3527170	11.999 ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	59.99%
11) S o-terphenyl	10.30	2722720	5.585 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	27.93%#
Target Compounds			
2) TZ Naphthalene	6.71	7785311	21.931 ug/ml
3) TZ 2-Methylnaphthalene	7.41	7649130	20.543 ug/ml
4) TZ Acenaphthylene	8.30	7408549	19.959 ug/ml
5) TZ Acenaphthene	8.47	8560540	18.677 ug/mlm
6) TZ Fluorene	8.99	7235146	18.663 ug/ml
7) TZ Phenanthrene	9.94	7267786	18.427 ug/ml
8) TZ Anthracene	10.00	7431383	19.333 ug/ml
12) TZ Fluoranthene	11.31	7084420	17.574 ug/ml
13) TZ Pyrene	11.63	7519689	17.979 ug/ml
14) TZ Benzo[a]anthracene	13.85	6294247	16.557 ug/ml
15) TZ Chrysene	13.93	7143103	18.948 ug/ml
16) TZ Benzo[b] fluoranthene	16.20	5165084	15.216 ug/ml
17) TZ Benzo[k] fluoranthene	16.25	5985008	15.470 ug/ml
18) TZ Benzo[a] pyrene	16.88	5301530	15.940 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.20	4110683	13.924 ug/ml
20) TZ Dibenz [a,h] anthracene	19.25	5554687	15.563 ug/ml
21) TZ Benzo(g,h,i) perylene	19.69	5324392	14.532 ug/ml
22) XH c11-c22	11.79	122025673	333.176 ug/ml

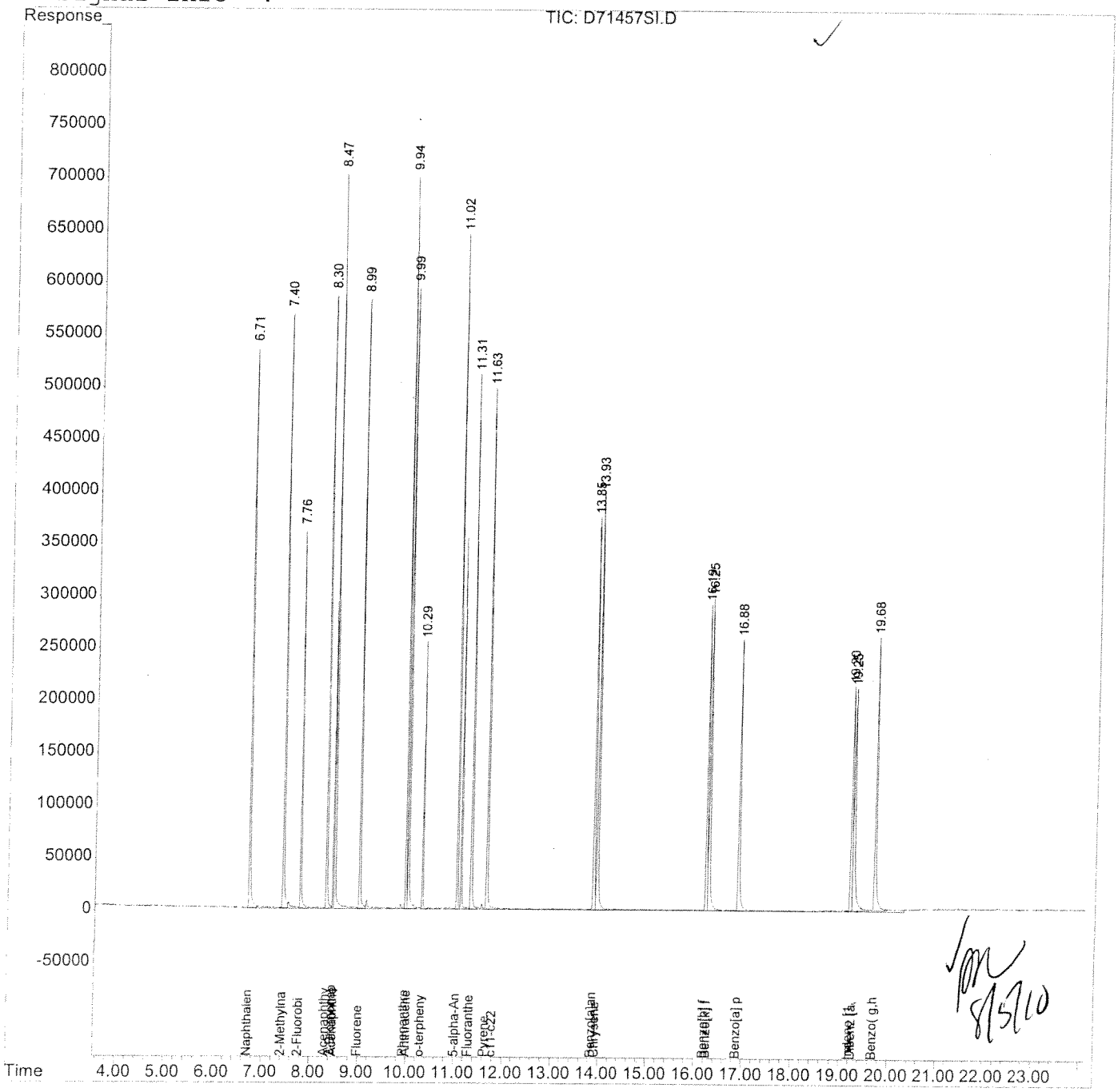
AR 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D Vial: 12
Acq On : 5 Aug 2010 7:22 am Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:29 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration NP080510
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

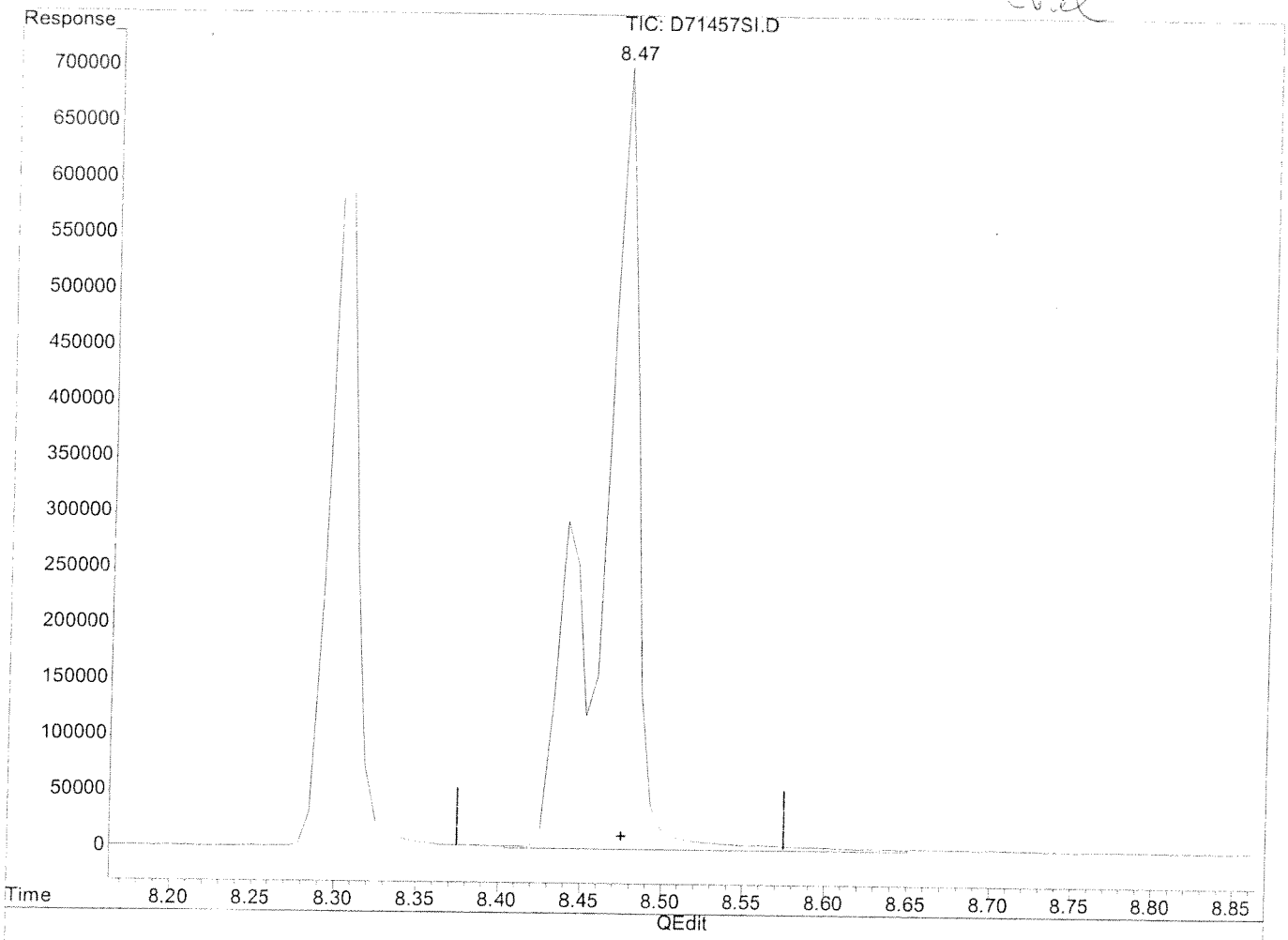
Quantitation Report (QEdit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D
Acq On : 5 Aug 2010 7:22 am
Sample : S9937 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 8:29 2010 Quant Results File: ARG80410.RES

Vial: 12
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration

NW 080510
Cook



(5) Acenaphthene (TZ)

8.48min 26.135ug/ml

response. 11630549

8/5/10

(+) = Expected Retention Time

D71457SI.D ARG80410.M Thu Aug 05 08:32:19 2010

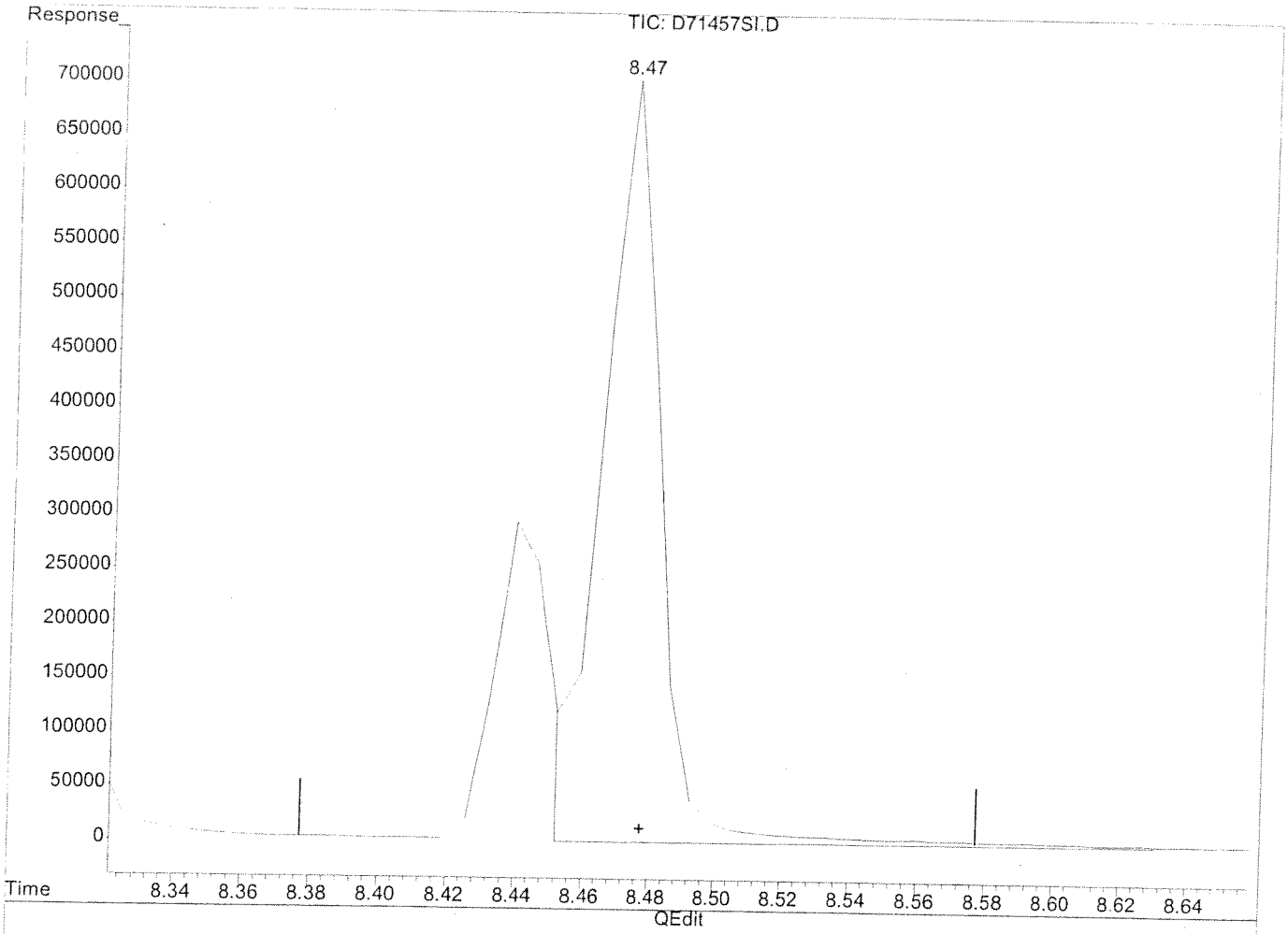
Quantitation Report (QEdit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D
Acq On : 5 Aug 2010 7:22 am
Sample : S9937 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:27 2010 Quant Results File: ARG80410.RES

Vial: 12
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration

N080510



(5) Acenaphthene (TZ)

8.47min 18.677ug/ml m

response 8560540

JM 8/5/10

(+) = Expected Retention Time

D71457SI.D ARG80410.M Thu Aug 05 10:28:43 2010

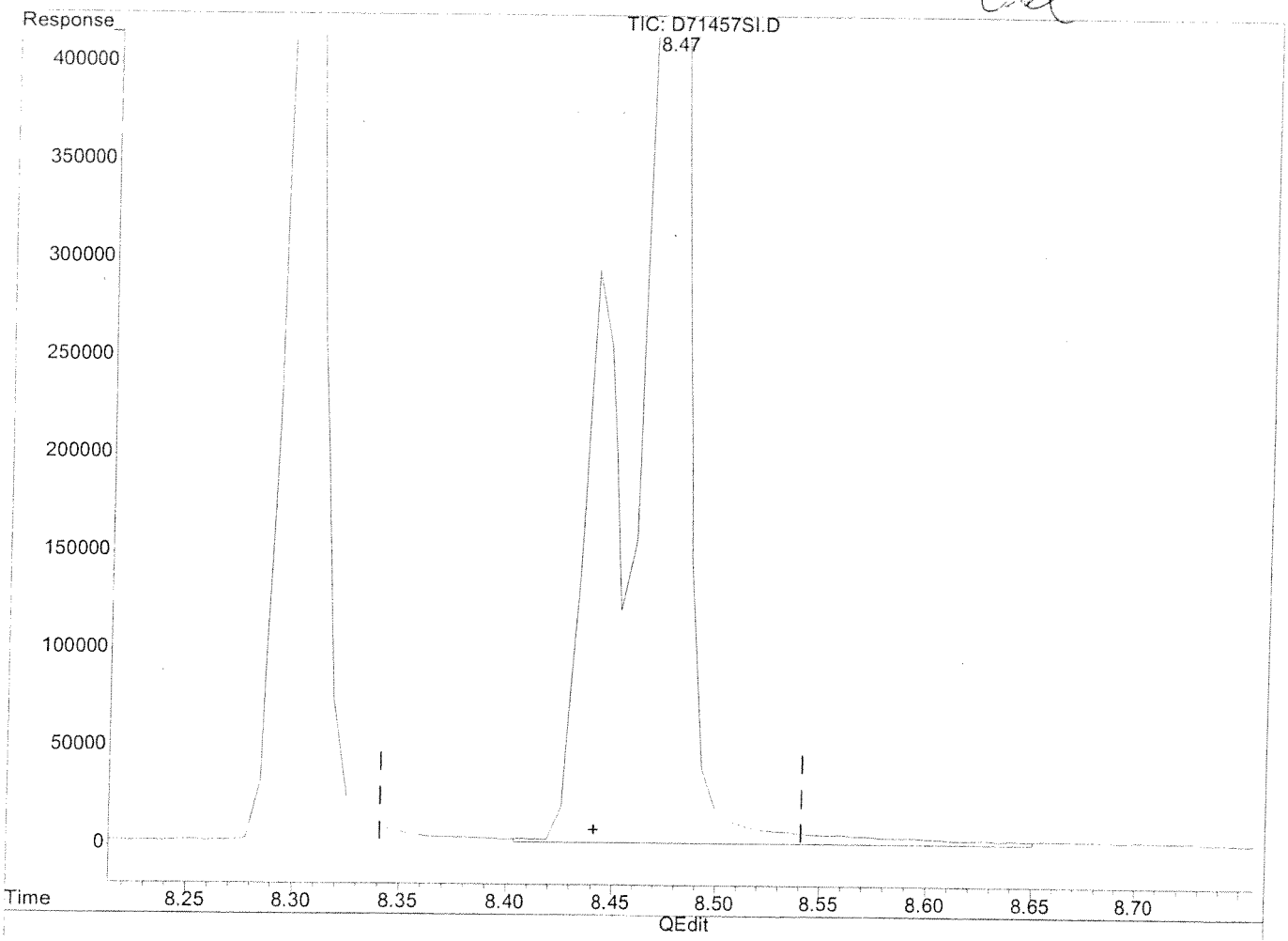
Quantitation Report (QEdit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D
Acq On : 5 Aug 2010 7:22 am
Sample : S9937 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 8:29 2010 Quant Results File: ARG80410.RES

Vial: 12
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration

N080510
Cal



(10) 2-Bromonaphthalene (S)

8.48min 39.566ug/ml

response 11630549

JM 8/5/10

(+) = Expected Retention Time

D71457SI.D ARG80410.M Thu Aug 05 08:29:36 2010

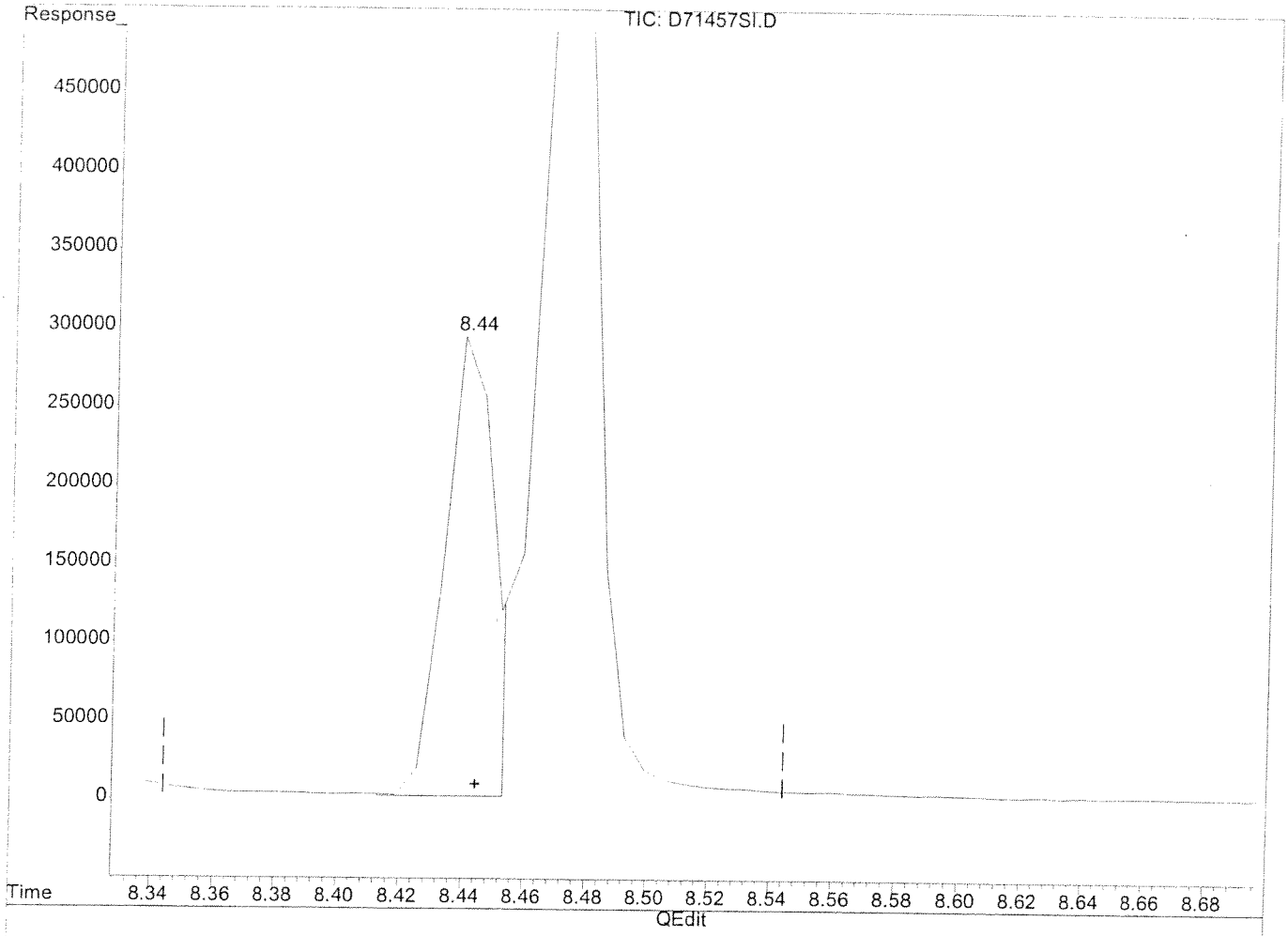
Quantitation Report (QEdit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D
Acq On : 5 Aug 2010 7:22 am
Sample : S9937 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:27 2010 Quant Results File: ARG80410.RES

Vial: 12
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration

M080510



(10) 2-Bromonaphthalene (S)

8.44min 11.999ug/ml m

response 3527170

8/5/10

(+) = Expected Retention Time

D71457SI.D ARG80410.M Thu Aug 05 10:29:03 2010

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71458SI.D
Acq On : 5 Aug 2010 7:53 am
Sample : S9710 ARO 50
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:30 2010 Quant Results File: ARG80410.RES

Vial: 13
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N080510

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6487126	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	9857272	29.814 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	149.07%#
10) S 2-Bromonaphthalene	8.44	7613538	29.727 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	148.64%#
11) S o-terphenyl	10.30	6147360	14.473 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	72.36%
Target Compounds			
2) TZ Naphthalene	6.71	17897687	57.868 ug/ml
3) TZ 2-Methylnaphthalene	7.41	17553877	54.110 ug/ml
4) TZ Acenaphthylene	8.31	16495003	51.005 ug/ml
5) TZ Acenaphthene	8.48	18105630	49.818 ug/ml
6) TZ Fluorene	8.99	16163969	47.855 ug/ml
7) TZ Phenanthrene	9.95	17015336	49.517 ug/ml
8) TZ Anthracene	10.00	16972907	50.680 ug/ml
12) TZ Fluoranthene	11.31	16449361	46.835 ug/ml
13) TZ Pyrene	11.64	16671040	45.748 ug/ml
14) TZ Benzo[a]anthracene	13.86	15038552	43.411 ug/ml
15) TZ Chrysene	13.94	16056267	48.884 ug/ml
16) TZ Benzo[b] fluoranthene	16.21	12488203	38.919 ug/ml
17) TZ Benzo[k] fluoranthene	16.27	13412212	38.201 ug/ml
18) TZ Benzo[a] pyrene	16.89	12188856	38.837 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.21	9830491	34.384 ug/ml
20) TZ Dibenz [a,h] anthracene	19.27	11268195	36.237 ug/ml
21) TZ Benzo(g,h,i) perylene	19.70	10556443	32.544 ug/ml
22) XH c11-c22	11.79	271709439	851.493 ug/ml

✓ 8/5/10

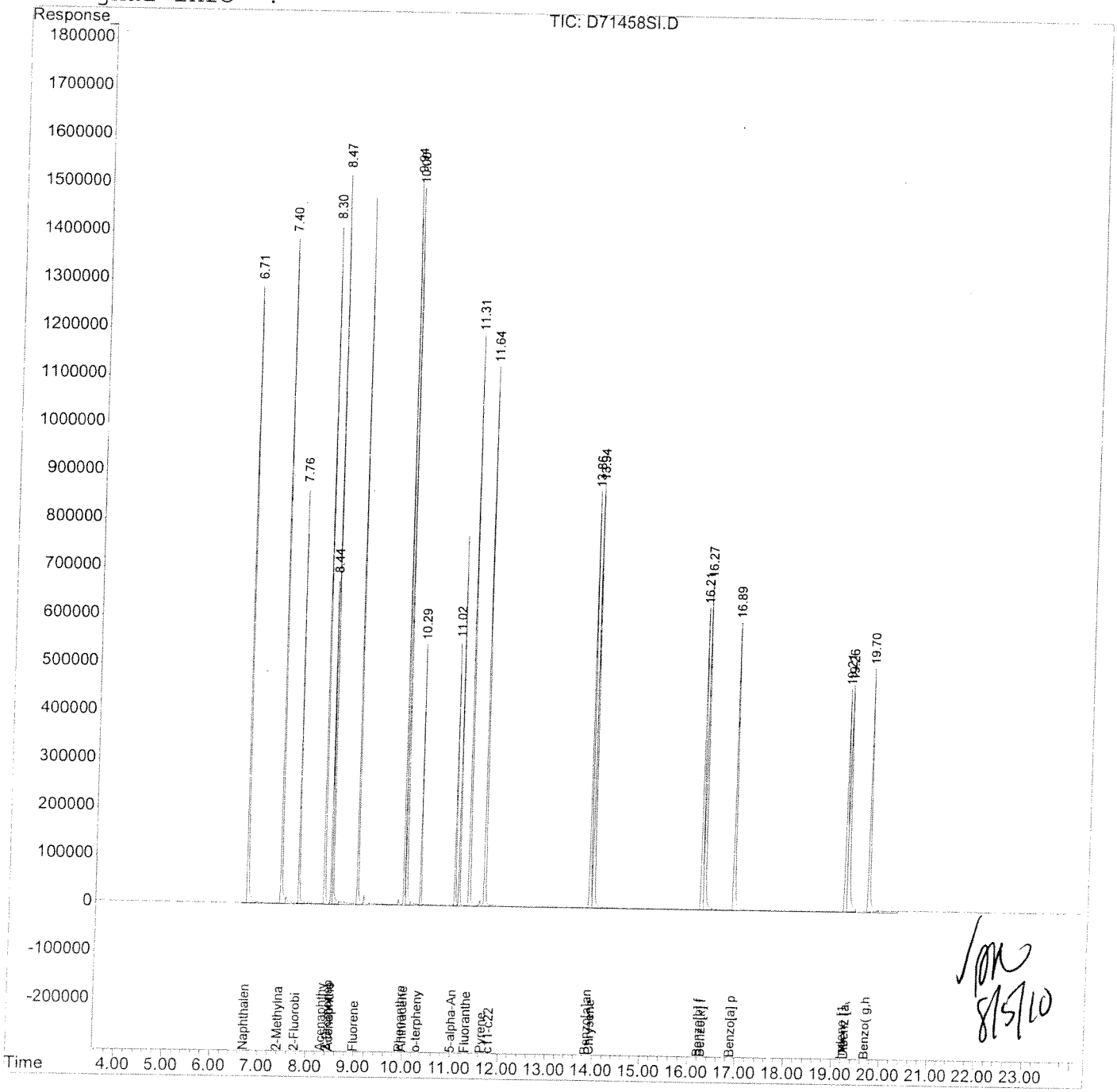
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71458SI.D
Acq On : 5 Aug 2010 7:53 am
Sample : S9710 ARO 50
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:30 2010 Quant Results File: ARG80410.RES

Vial: 13
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



D71458SI.D ARG80410.M Thu Aug 05 10:30:53 2010 Page 2

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D
Acq On : 5 Aug 2010 8:23 am
Sample : S9711 ARO 100
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:31 2010 Quant Results File: ARG80410.RES

Vial: 14
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NY080510

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6270986	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	19802199	61.957 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	309.79%#
10) S 2-Bromonaphthalene	8.45	15496358	62.592 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	312.96%#
11) S o-terphenyl	10.30	12404922	30.212 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	151.06%#
Target Compounds			
2) TZ Naphthalene	6.72	36788869	123.048 ug/ml
3) TZ 2-Methylnaphthalene	7.41	34123453	108.812 ug/ml
4) TZ Acenaphthylene	8.31	32266565	103.212 ug/ml
5) TZ Acenaphthene	8.48	34855101	115.456 ug/ml
6) TZ Fluorene	9.00	31087340	95.210 ug/ml
7) TZ Phenanthrene	9.95	32306060	97.256 ug/ml
8) TZ Anthracene	10.00	31086329	96.021 ug/ml
12) TZ Fluoranthene	11.32	31754490	93.528 ug/ml
13) TZ Pyrene	11.65	32006396	90.858 ug/ml
14) TZ Benzo[a]anthracene	13.88	29006857	86.948 ug/ml
15) TZ Chrysene	13.96	30399774	95.744 ug/ml
16) TZ Benzo[b] fluoranthene	16.23	24525657	73.934 ug/ml
17) TZ Benzo[k] fluoranthene	16.30	25426889	72.423 ug/ml
18) TZ Benzo[a] pyrene	16.91	23972045	75.241 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.23	17614656	61.743 ug/ml
20) TZ Dibenz [a,h] anthracene	19.29	21653195	72.034 ug/ml
21) TZ Benzo(g,h,i) perylene	19.72	17926112	59.632 ug/ml
22) XH c11-c22	11.79	527012200	1708.495 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

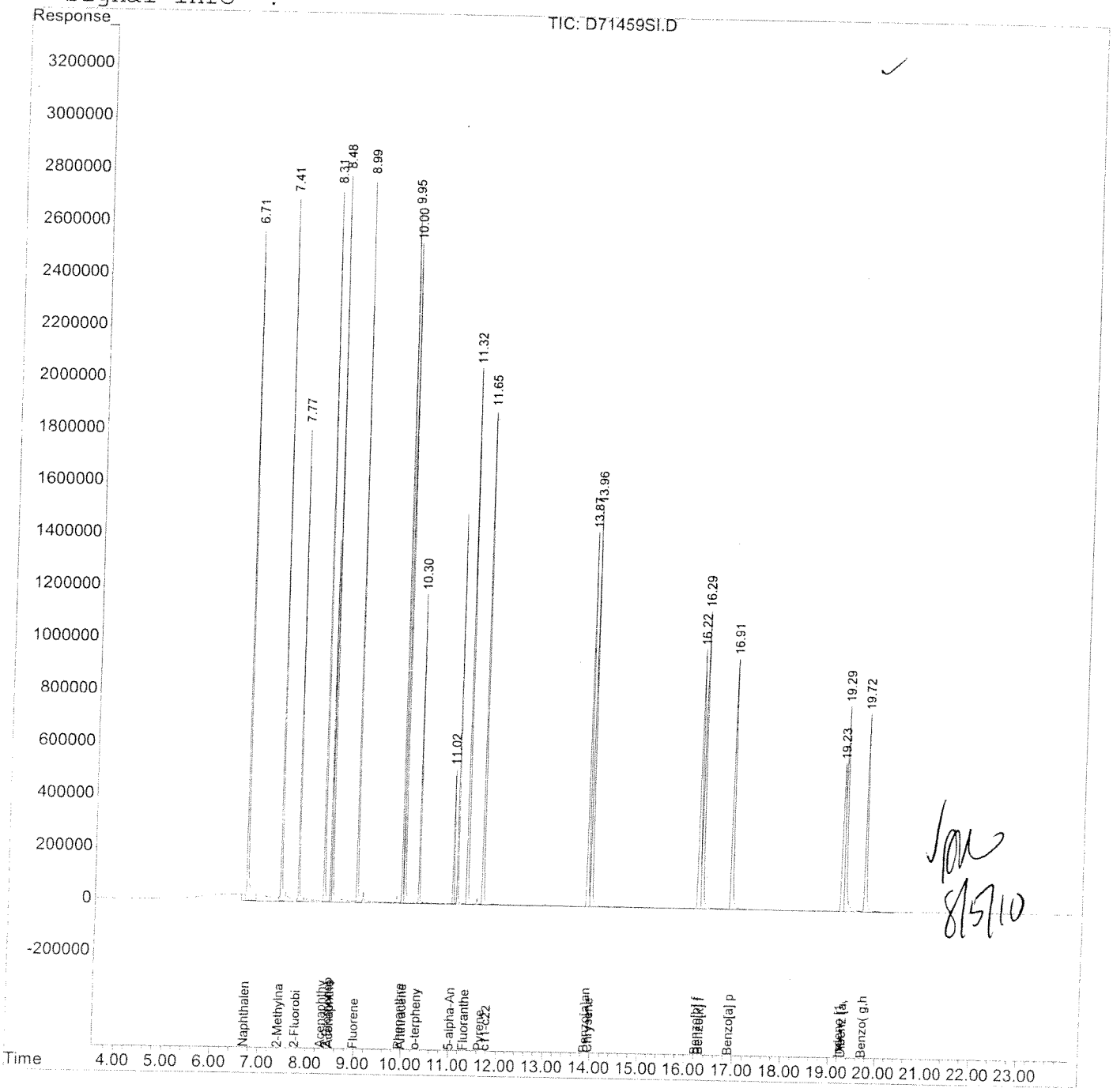
Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D
Acq On : 5 Aug 2010 8:23 am
Sample : S9711 ARO 100
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:31 2010 Quant Results File: ARG80410.RES

Vial: 14
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NYC80510

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

GC AROMATIC 2ND SOURCE CHECK

Data File Name D71460.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/5/2010 8:53

8/6/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.60	20	108%	OK	21.60		
2-Methylnaphthalene	21.89	20	109%	OK	21.89		
Acenaphthylene	21.51	20	108%	OK	21.51		
Acenaphthene	20.46	20	102%	OK	20.46		
Fluorene	21.82	20	109%	OK	21.82		
Phenanthrene	21.50	20	108%	OK	21.50		
Anthracene	22.09	20	110%	OK	22.09		
Fluoranthene	21.39	20	107%	OK	21.39		
Pyrene	21.75	20	109%	OK	21.75		
Benzo[a]anthracene	19.96	20	100%	OK	19.96		
Chrysene	22.62	20	113%	OK	22.62		
Benzo[b] fluoranthene	19.97	20	100%	OK	19.97		
Benzo[k] fluoranthene	21.06	20	105%	OK	21.06		
Benzo[a] pyrene	22.21	20	111%	OK	22.21		
Indeno [1,2,3-cd] pyrene	20.83	20	104%	OK	20.83		
Dibenz [a,h] anthracene	23.74	20	119%	OK	23.74		
Benzo(g,h,i) perylene	22.43	20	112%	OK	22.43		
c11-c22		340			**366.84**	108%	OK

58910

8/6/10 12:51 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ARGICVSUMPRCT.CRT

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
IntFile : autoint1.e
Quant Time: Aug 6 0:49 2010 Quant Results File: ARG80410.RES

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

8/6/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	5726956	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.75	28820	<MDL ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
10) S 2-Bromonaphthalene	8.48	6664153	33.917 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	169.59%#
11) S o-terphenyl	10.30	5897523	21.990 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	109.95%
Target Compounds			
2) TZ Naphthalene	6.71	6663107	21.597 ug/ml
3) TZ 2-Methylnaphthalene	7.41	6534317	21.889 ug/ml
4) TZ Acenaphthylene	8.30	6071585	21.505 ug/ml
5) TZ Acenaphthene	8.48	6664153	20.458 ug/ml
6) TZ Fluorene	8.99	5972809	21.821 ug/ml
7) TZ Phenanthrene	9.95	6048852	21.505 ug/ml
8) TZ Anthracene	10.00	6308057	22.094 ug/ml
12) TZ Fluoranthene	11.31	5933223	21.390 ug/ml
13) TZ Pyrene	11.63	6194682	21.751 ug/ml
14) TZ Benzo[a]anthracene	13.85	5046598	19.965 ug/ml
15) TZ Chrysene	13.93	6019221	22.624 ug/ml
16) TZ Benzo[b] fluoranthene	16.20	4142173	19.967 ug/ml
17) TZ Benzo[k] fluoranthene	16.25	4925636	21.061 ug/ml
18) TZ Benzo[a] pyrene	16.88	4608462	22.214 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.19	3491958	20.832 ug/mlm
20) TZ Dibenz [a,h] anthracene	19.25	4578158	23.742 ug/mlm
21) TZ Benzo(g,h,i) perylene	19.69	4421539	22.428 ug/ml
22) XH c11-c22	11.79	99648860	399.285 ug/ml

08/6/10

(f)=RT Delta > 1/2 Window
(m)=manual int.

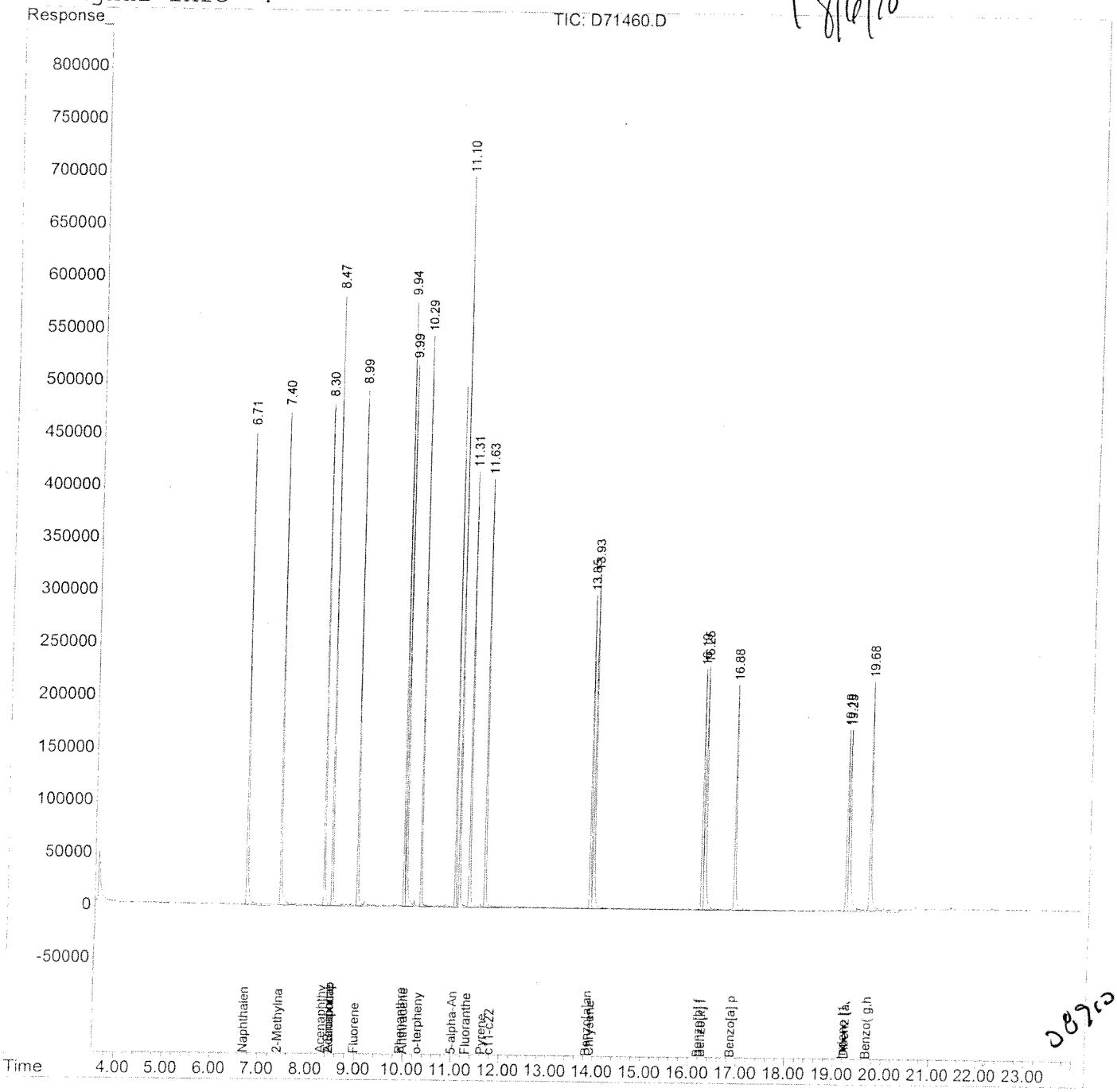
Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
IntFile : autoint1.e
Quant Time: Aug 6 0:49 2010 Quant Results File: ARG80410.RES

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

8/6/10



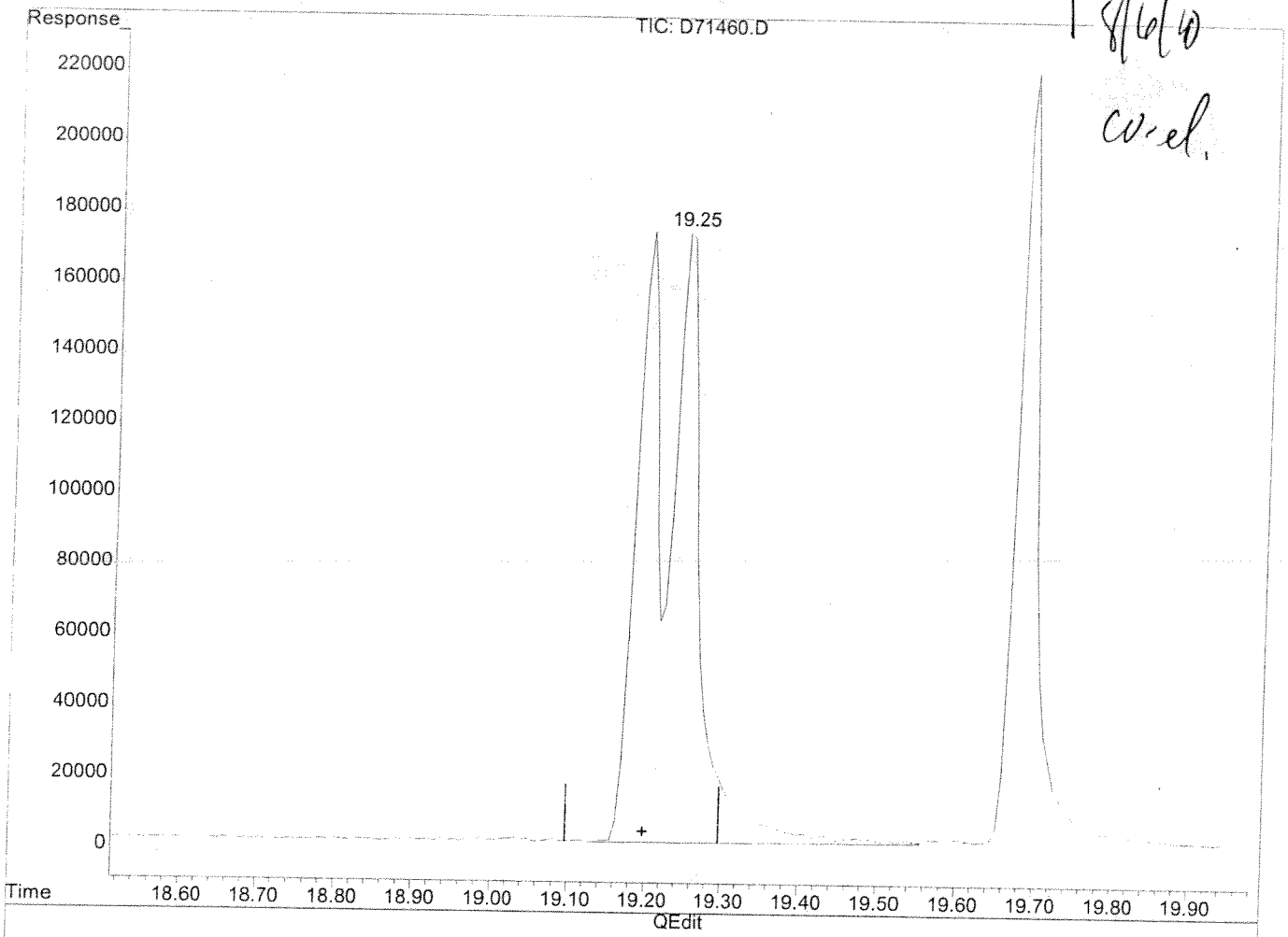
08/06

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
IntFile : autoint1.e
Quant Time: Aug 6 0:46 2010 Quant Results File: ARG80410.RES

Vial: 15
Operator: AR/NP
Inst : GC/MS In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Multiple Level Calibration

8/6/10
cw-el.



(19) Indeno [1,2,3-cd] pyrene (TZ)

19.25min 46.749ug/ml

response 7990386

58900

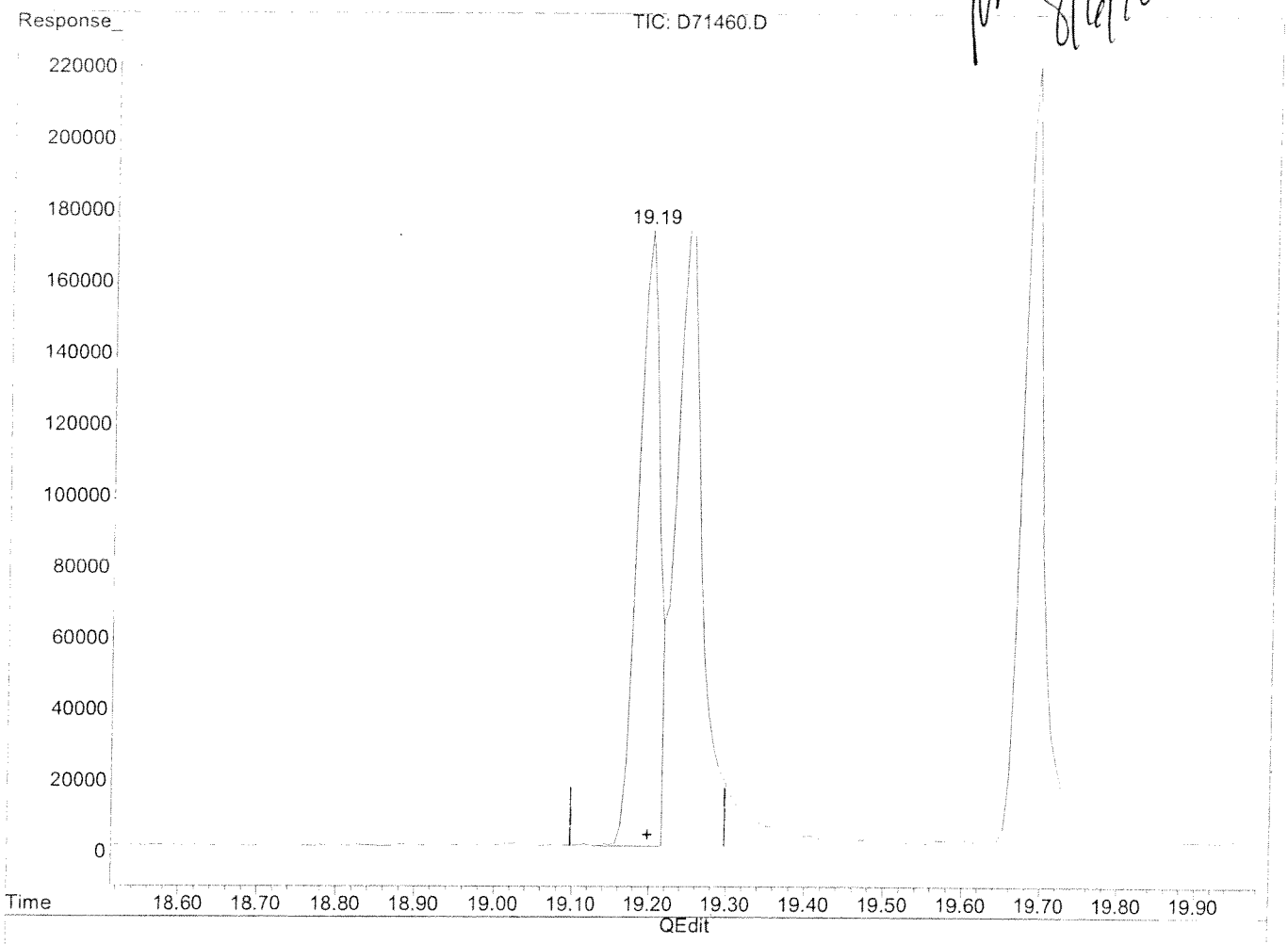
(+) = Expected Retention Time
D71460.D ARG80410.M Fri Aug 06 00:46:51 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
IntFile : autoint1.e
Quant Time: Aug 6 0:46 2010 Quant Results File: ARG80410.RES

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Multiple Level Calibration

8/16/10



(19) Indeno [1,2,3-cd] pyrene (TZ)

19.19min 20.832ug/ml m

response 3491958

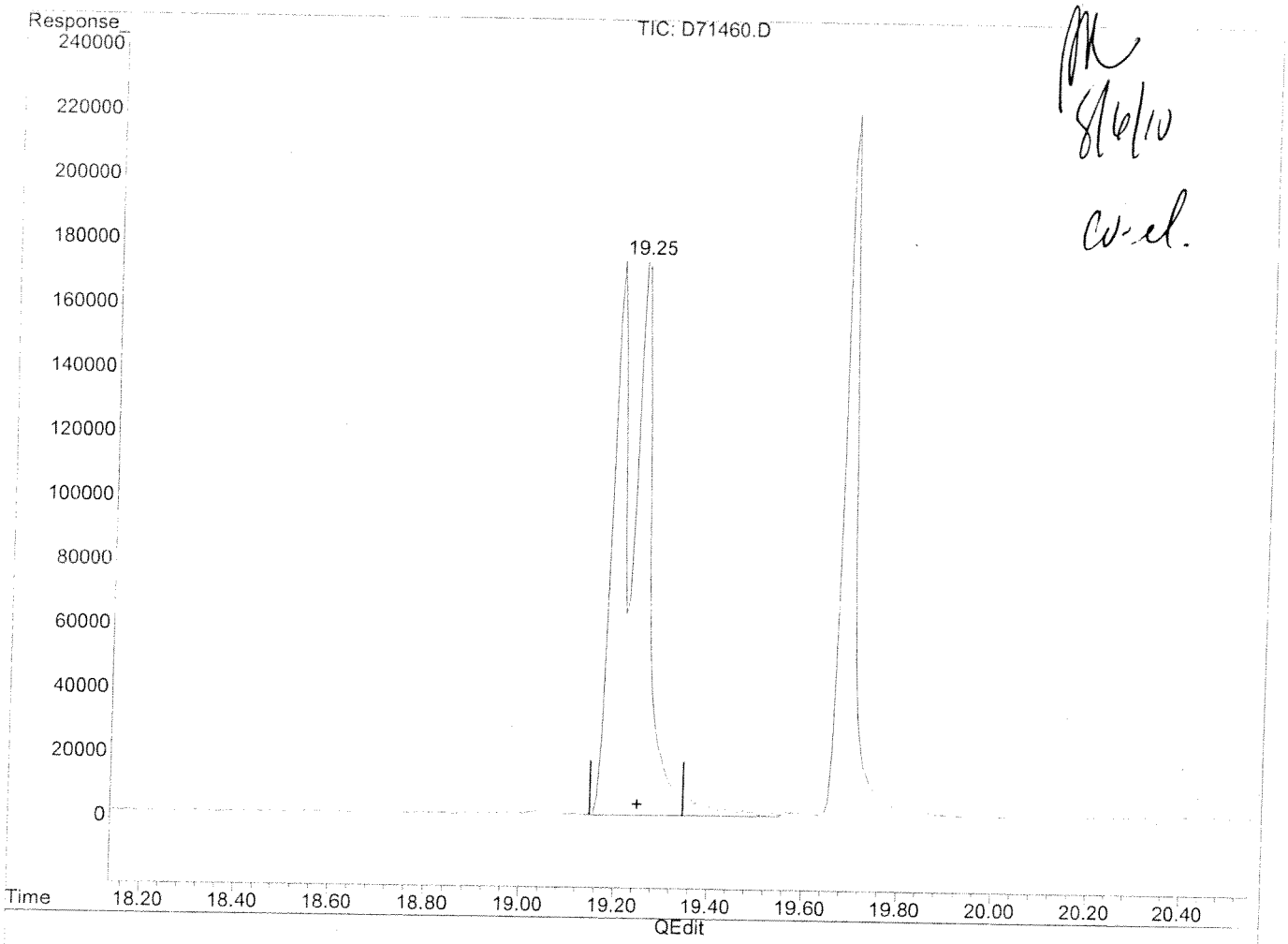
08910

(+) = Expected Retention Time
D71460.D ARG80410.M Fri Aug 06 00:47:08 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
IntFile : autoint1.e
Quant Time: Aug 6 0:46 2010 Quant Results File: ARG80410.RES

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Multiple Level Calibration



(20) Dibenz [a,h] anthracene (TZ)

19.25min 41.438ug/ml

response 7990386

8/6/10

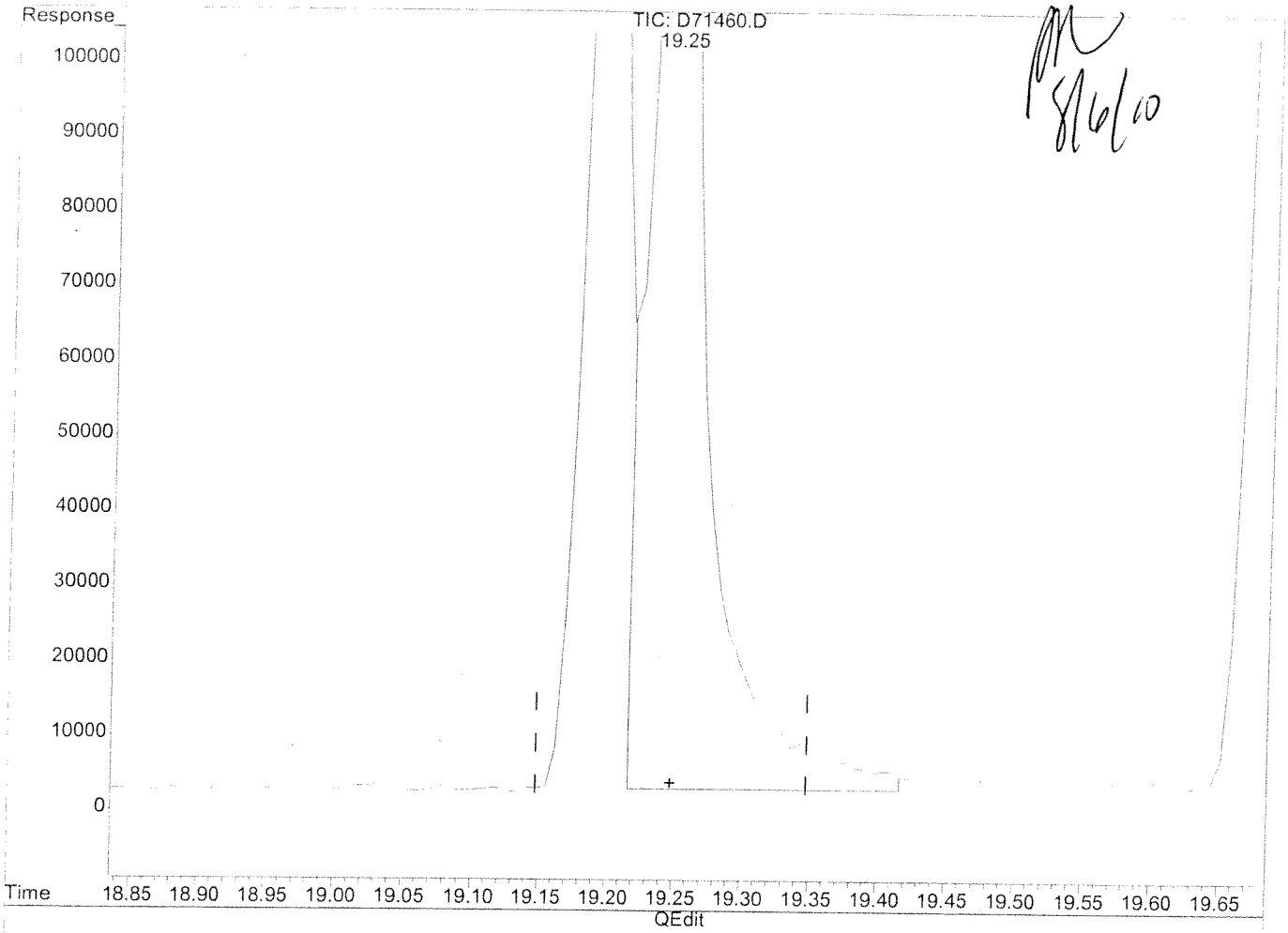
08/10

(+) = Expected Retention Time
D71460.D ARG80410.M Fri Aug 06 00:47:12 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
IntFile : autoint1.e
Quant Time: Aug 6 0:47 2010 Quant Results File: ARG80410.RES

Vial: 15
Operator: AR/NP
Inst : GC/MS In:
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Multiple Level Calibration



8/6/10

(20) Dibenz [a,h] anthracene (TZ)

19.25min 23.742ug/ml m

response 4578158

b 8/9/10

(+) = Expected Retention Time
D71460.D ARG80410.M Fri Aug 06 00:49:14 2010

Method Path : C:\msdchem\1\METHODS\
Method File : ARM081310.M
Title : EPH MS AROMATICS
Last Update : Sat Aug 14 05:34:39 2010
Response Via : Initial Calibration

8/14/10

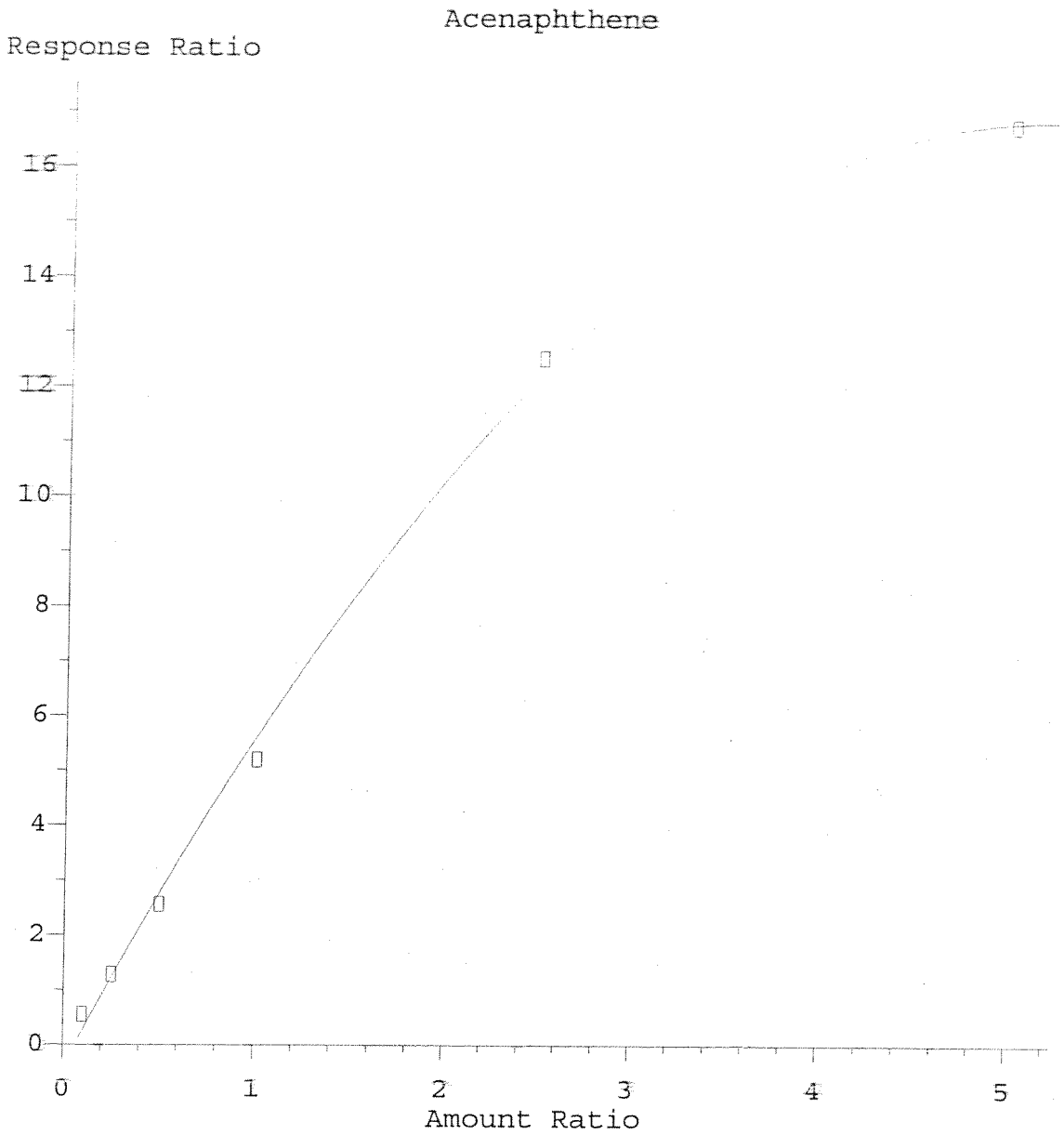
Calibration Files
2 =J35319SI.D 5 =J35320SI.D 10 =J35321SI.D 20 =J35322SI.D
50 =J35323SI.D 100 =J35324SI.D

		Compound	2	5	10	20	50	100	Avg		%RSD
1)	I	5-alpha-Androstane				ISTD					
2)	TM	Naphthalene	8.270	7.945	8.267	8.214	8.040	6.573	7.885		8.32
3)	TM	2-Methylnaphth...	4.973	4.706	4.730	4.805	4.582	3.683	4.580		9.99
4)	TM	Acenaphthylene	9.341	8.780	8.963	8.903	8.635	7.162	8.631		8.77
5)	TM	Acenaphthene	5.511	5.104	5.121	5.194	5.008	3.349	4.881		15.78 Q
6)	TM	Fluorene	6.990	6.493	6.512	6.712	6.411	4.099	6.203		16.95 Q
7)	TM	Phenanthrene	1.026	0.961	0.966	0.964	0.924	0.833	0.946	E1	6.75
8)	TM	Anthracene	1.010	0.947	0.937	0.957	0.924	0.819	0.933	E1	6.73
9)	S	2-Fluorobiphenyl	6.899	6.732	6.793	6.723	6.687	5.891	6.621		5.52
10)	S	2-Bromonaphtha...	3.335	3.041	3.057	3.045	2.994	2.034	2.918		15.42 Q
11)	S	o-terphenyl	6.288	5.871	5.793	5.756	5.631	5.346	5.781		5.34
12)	TM	Fluoranthene	1.168	1.100	1.097	1.109	1.064	0.963	1.083	E1	6.29
13)	TM	Pyrene	1.214	1.136	1.136	1.145	1.108	0.999	1.123	E1	6.28
14)	TM	Benzo[a]anthra...	1.073	1.017	1.006	1.013	0.995	0.924	1.005	E1	4.79
15)	TM	Chrysene	1.043	0.972	0.961	0.967	0.952	0.847	0.957	E1	6.58
16)	TM	Benzo[b] fluor...	9.682	8.883	9.053	8.951	8.871	8.635	9.013		3.95
17)	TM	Benzo[k] fluor...	9.366	9.022	9.025	9.004	8.828	7.855	8.850		5.85
18)	TM	Benzo[a] pyrene	9.175	8.699	8.658	8.749	8.617	8.114	8.669		3.91
19)	TM	Indeno [1,2,3-...	7.589	7.236	7.344	7.413	7.719	7.409	7.452		2.34
20)	TM	Dibenz [a,h] a...	7.657	7.171	7.238	7.213	7.613	6.784	7.279		4.42
21)	TM	Benzo(g,h,i) ...	8.301	8.076	7.859	7.759	7.786	6.782	7.760		6.72
22)		c11-c22							0.000#		-1.00

(#) = Out of Range

b81570

8/14/10

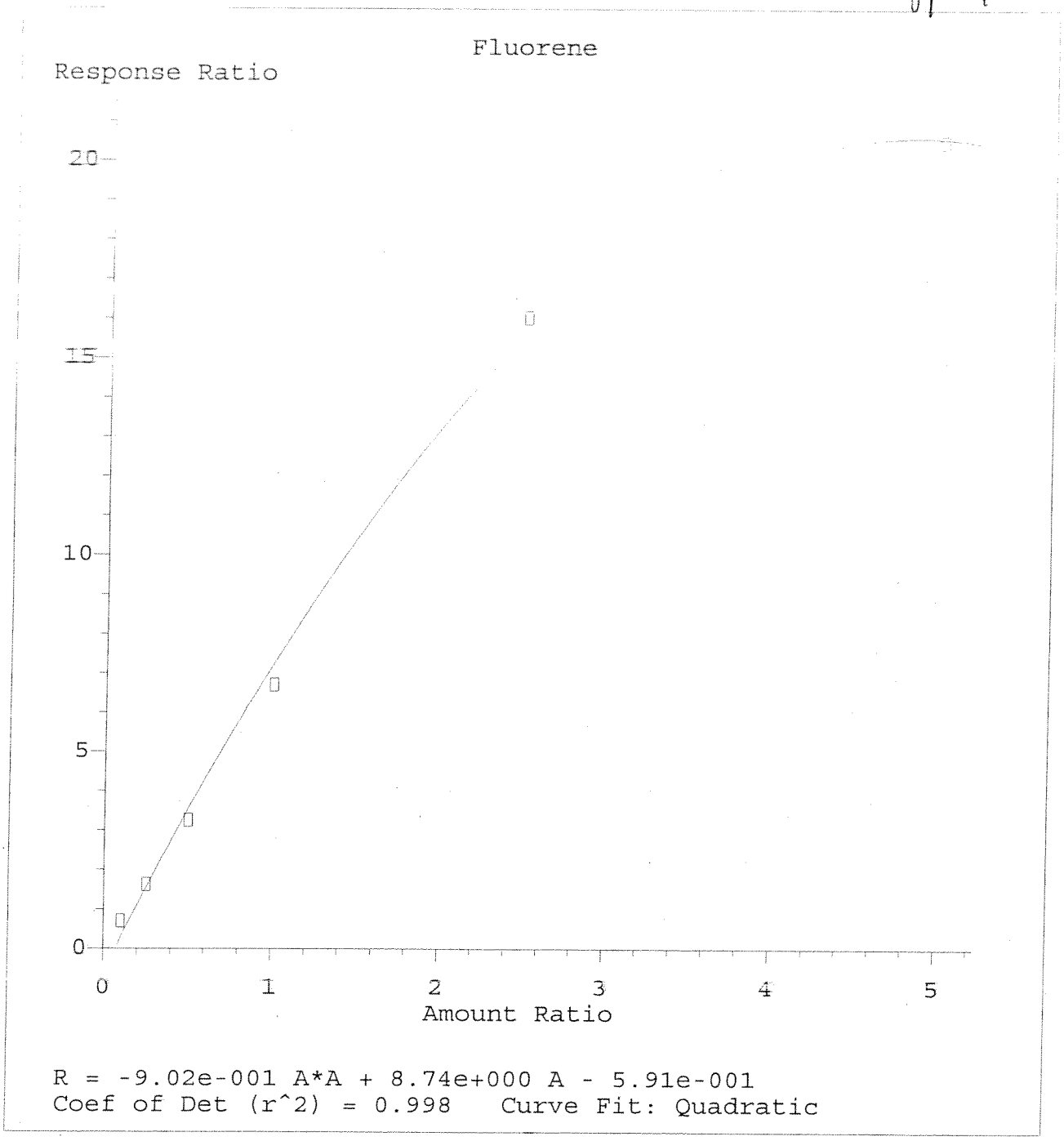


R = -6.44e-001 A*A + 6.66e+000 A - 4.13e-001
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARM081310.M
Calibration Table Last Updated: Sat Aug 14 05:34:39 2010

2/1370

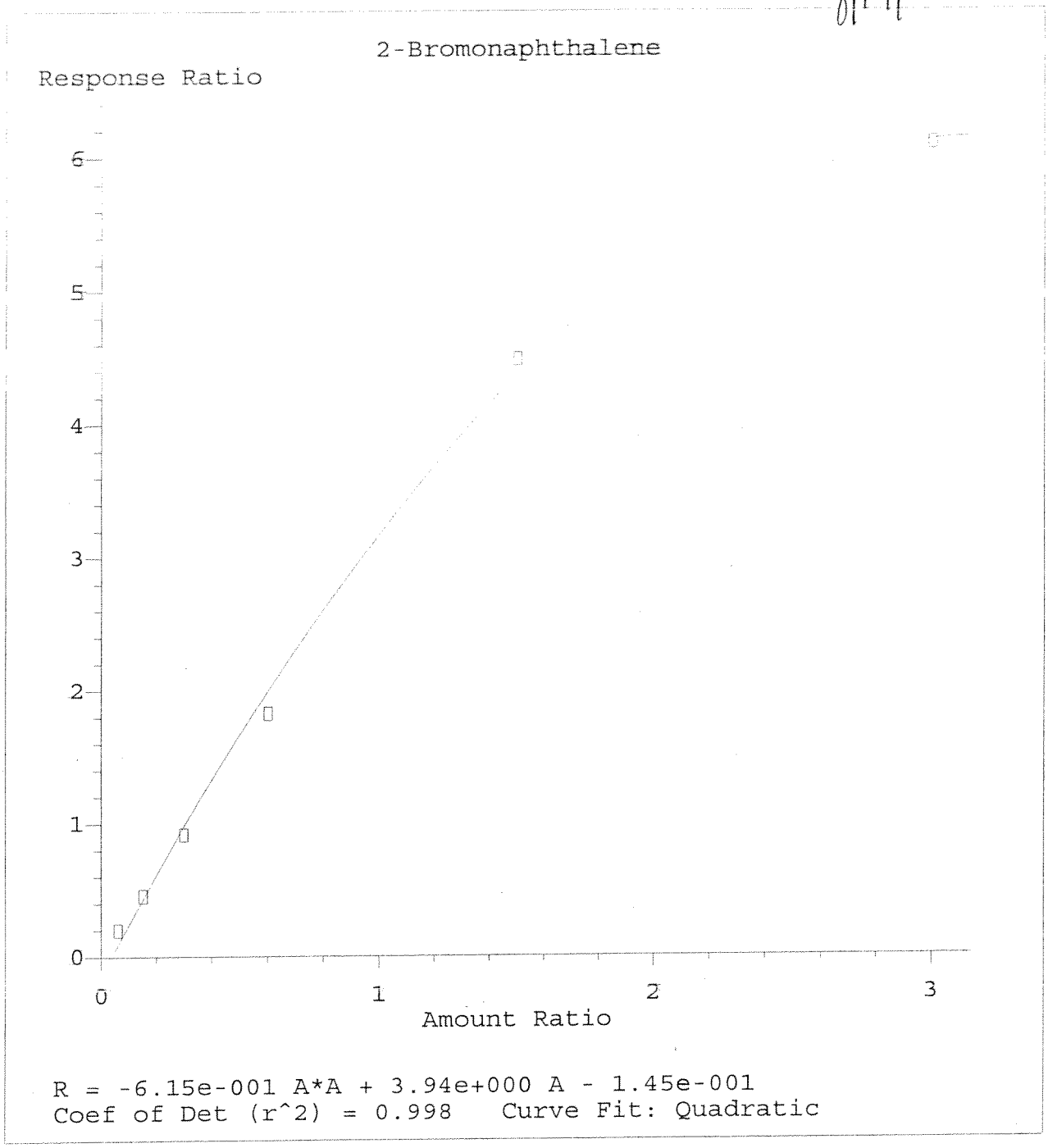
8/14/10



Method Name: C:\msdchem\1\METHODS\ARM081310.M
Calibration Table Last Updated: Sat Aug 14 05:34:39 2010

091570

8/14/10



Method Name: C:\msdchem\1\METHODS\ARM081310.M
Calibration Table Last Updated: Sat Aug 14 05:34:39 2010

58120

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35319SI.D
Acq On : 14 Aug 2010 3:16 am
Operator : MG/ALR
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 05:09:23 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10

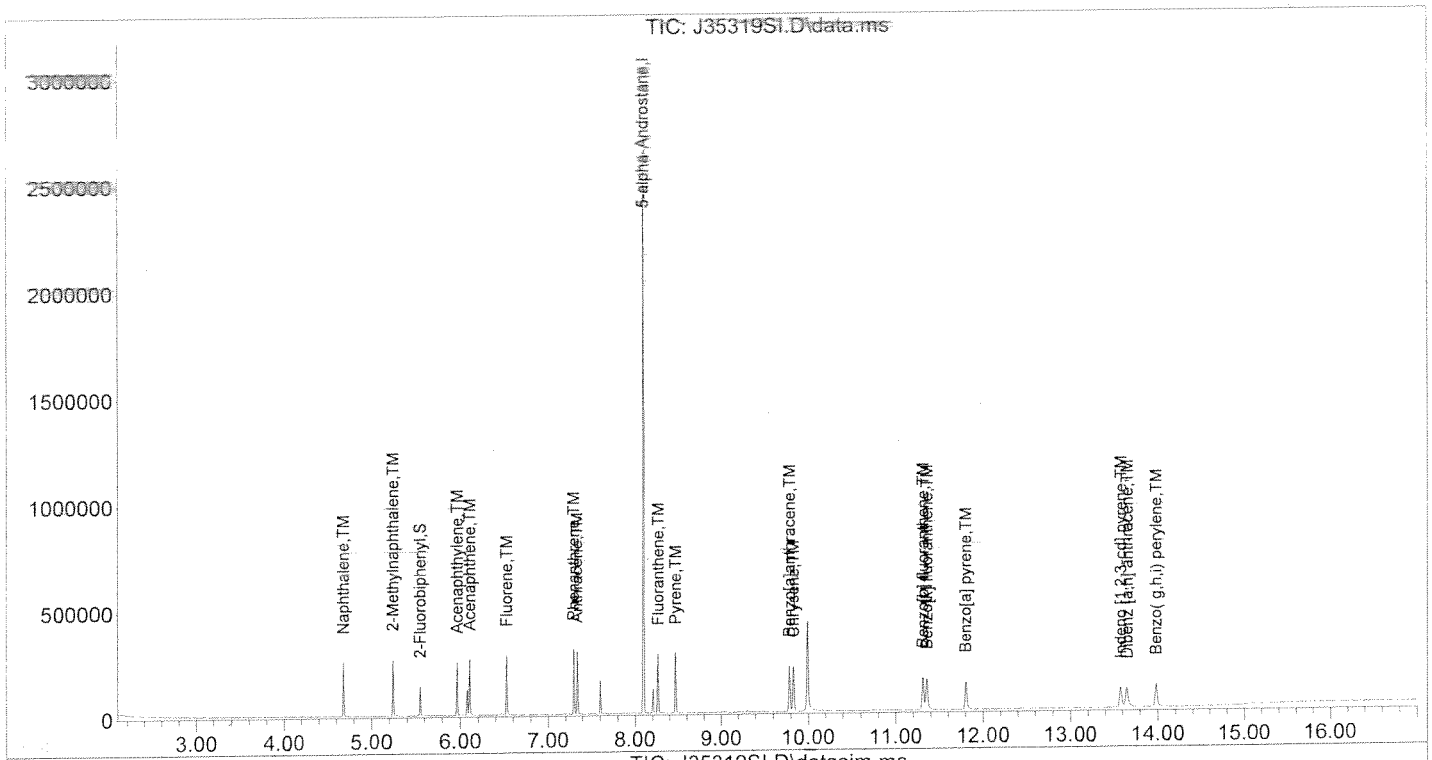
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	99471	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	41175	1.29 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 6.45%#		
10) 2-Bromonaphthalene	6.080	206	19904	0.90 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 4.50%#		
11) o-terphenyl	7.601	230	25018	0.89 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 4.45%#		
Target Compounds					Qvalue
2) Naphthalene	4.680	128	82263	2.24 ug/ml	99
3) 2-Methylnaphthalene	5.244	141	49467	2.31 ug/ml	97
4) Acenaphthylene	5.967	152	92915	1.10 ug/ml	99
5) Acenaphthene	6.110	154	54819	2.33 ug/ml	100
6) Fluorene	6.525	166	69526	2.18 ug/ml	99
7) Phenanthrene	7.291	178	102013	2.25 ug/ml	99
8) Anthracene	7.334	178	100478	2.25 ug/ml	98
12) Fluoranthene	8.266	202	116148	2.16 ug/ml	98
13) Pyrene	8.467	202	120805	2.17 ug/ml	97
14) Benzo[a]anthracene	9.784	228	106767	2.22 ug/ml	99
15) Chrysene	9.828	228	103761	2.21 ug/ml	100
16) Benzo[b] fluoranthene	11.315	252	96311	2.31 ug/ml	99
17) Benzo[k] fluoranthene	11.356	252	93166	2.19 ug/ml	97
18) Benzo[a] pyrene	11.804	252	91265	2.30 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.572	276	75484	2.46 ug/ml	97
20) Dibenz [a,h] anthracene	13.648	278	76164	2.56 ug/ml	98
21) Benzo(g,h,i) perylene	13.981	276	82575	2.47 ug/ml	98

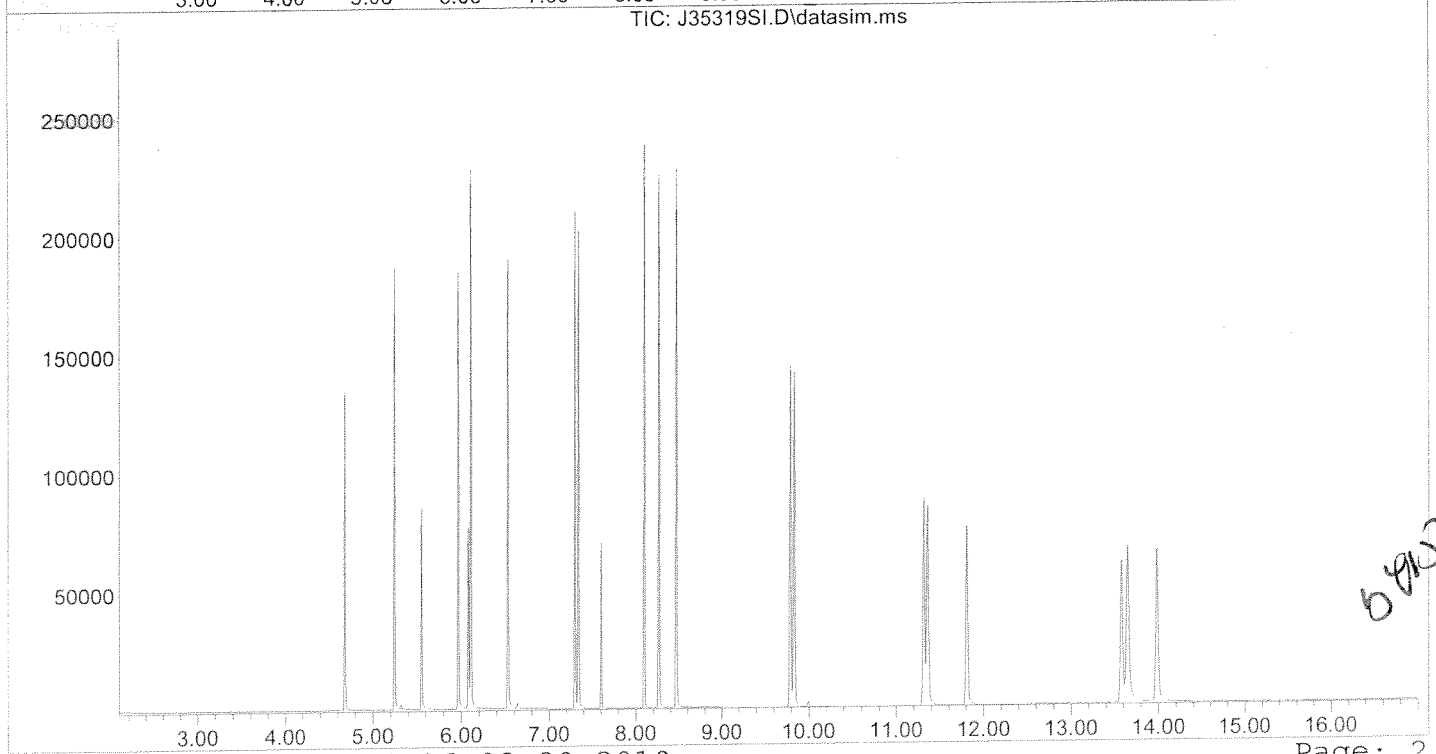
(#) = qualifier out of range (m) = manual integration (+) = signals summed

06570

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35319SI.D
Acq On : 14 Aug 2010 3:16 am
Operator : MG/ALR
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 05:09:23 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration





ARM081310.M Sat Aug 14 06:02:20 2010 Page: 2

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35320SI.D
Acq On : 14 Aug 2010 3:39 am
Operator : MG/ALR
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

OK 8/14/10

Quant Time: Aug 14 05:09:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	100114	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	101101	3.15 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 15.75%#	
10) 2-Bromonaphthalene	6.080	206	45667	3.56 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 17.80%#	
11) o-terphenyl	7.601	230	58781	2.07 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 10.35%#	
Target Compounds					Qvalue
2) Naphthalene	4.680	128	198851	5.38 ug/ml	100
3) 2-Methylnaphthalene	5.244	141	117775	5.46 ug/ml	96
4) Acenaphthylene	5.967	152	219760	5.78 ug/ml	100
5) Acenaphthene	6.110	154	127744	5.40 ug/ml	99
6) Fluorene	6.525	166	162501	5.07 ug/ml	99
7) Phenanthrene	7.296	178	240449	5.26 ug/ml	99
8) Anthracene	7.334	178	237141	5.28 ug/ml	99
12) Fluoranthene	8.266	202	275358	5.10 ug/ml	98
13) Pyrene	8.467	202	284364	5.08 ug/ml	97
14) Benzo[a]anthracene	9.784	228	254451	5.27 ug/ml	100
15) Chrysene	9.831	228	243298	5.15 ug/ml	99
16) Benzo[b] fluoranthene	11.315	252	222321	5.31 ug/ml	99
17) Benzo[k] fluoranthene	11.360	252	225808	5.26 ug/ml	99
18) Benzo[a] pyrene	11.808	252	217732	5.46 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.580	276	181095	5.86 ug/ml	99
20) Dibenz [a,h] anthracene	13.652	278	179483	5.99 ug/ml	99
21) Benzo(g,h,i) perylene	13.989	276	202119	6.02 ug/ml	98

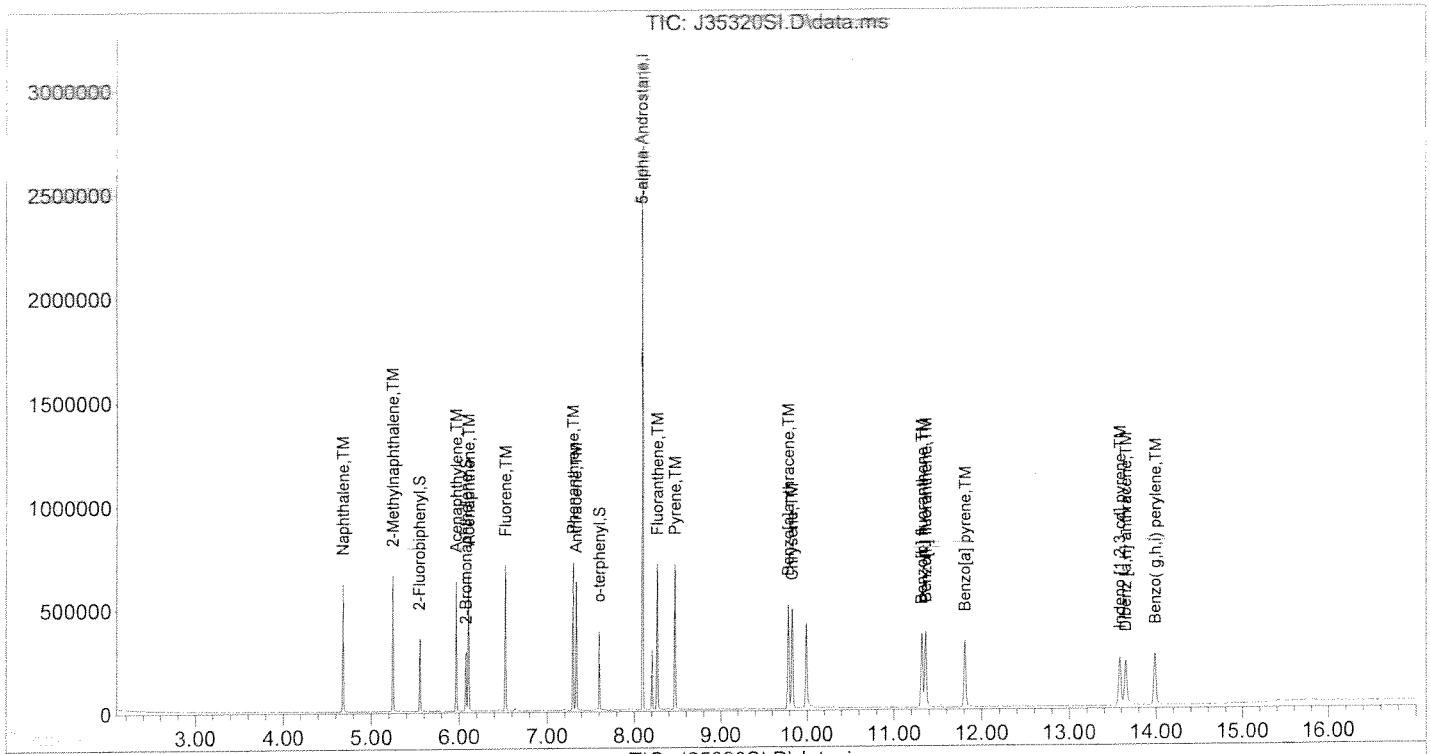
(#) = qualifier out of range (m) = manual integration (+) = signals summed

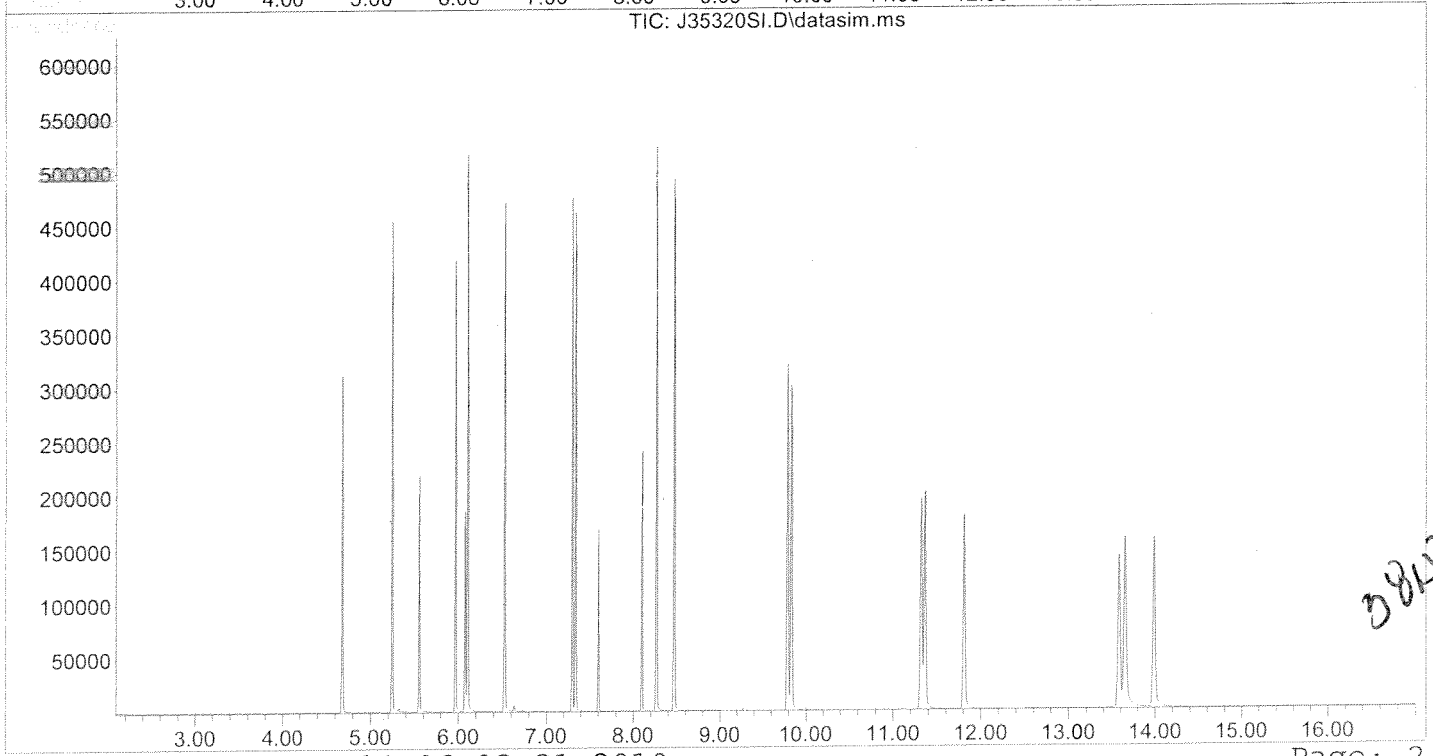
J81570

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35320SI.D
Acq On : 14 Aug 2010 3:39 am
Operator : MG/ALR
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 14 05:09:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

OK 8/14/10





38120

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35321SI.D
Acq On : 14 Aug 2010 4:02 am
Operator : MG/ALR
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

MR 8/14/10

Quant Time: Aug 14 05:09:25 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	96829	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	197336	6.35 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 31.75%#	
10) 2-Bromonaphthalene	6.080	206	88816	8.08 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 40.40%	
11) o-terphenyl	7.601	230	112178	4.09 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 20.45%#	
Target Compounds					Qvalue
2) Naphthalene	4.680	128	400250	11.20 ug/ml	100
3) 2-Methylnaphthalene	5.244	141	228985	10.97 ug/ml	97
4) Acenaphthylene	5.967	152	433916	13.74 ug/ml	99
5) Acenaphthene	6.110	154	247908	10.84 ug/ml	99
6) Fluorene	6.525	166	315288	10.17 ug/ml	99
7) Phenanthrene	7.296	178	467555	10.58 ug/ml	100
8) Anthracene	7.338	178	453773	10.44 ug/ml	99
12) Fluoranthene	8.266	202	531026	10.16 ug/ml	98
13) Pyrene	8.467	202	549863	10.15 ug/ml	98
14) Benzo[a]anthracene	9.787	228	487075	10.43 ug/ml	100
15) Chrysene	9.835	228	465028	10.17 ug/ml	99
16) Benzo[b] fluoranthene	11.322	252	438303	10.82 ug/ml	100
17) Benzo[k] fluoranthene	11.367	252	436955	10.53 ug/ml	100
18) Benzo[a] pyrene	11.815	252	419196	10.87 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.588	276	355549	11.89 ug/ml	99
20) Dibenz [a,h] anthracene	13.656	278	350430	12.08 ug/ml	99
21) Benzo(g,h,i) perylene	13.996	276	380472	11.71 ug/ml	99

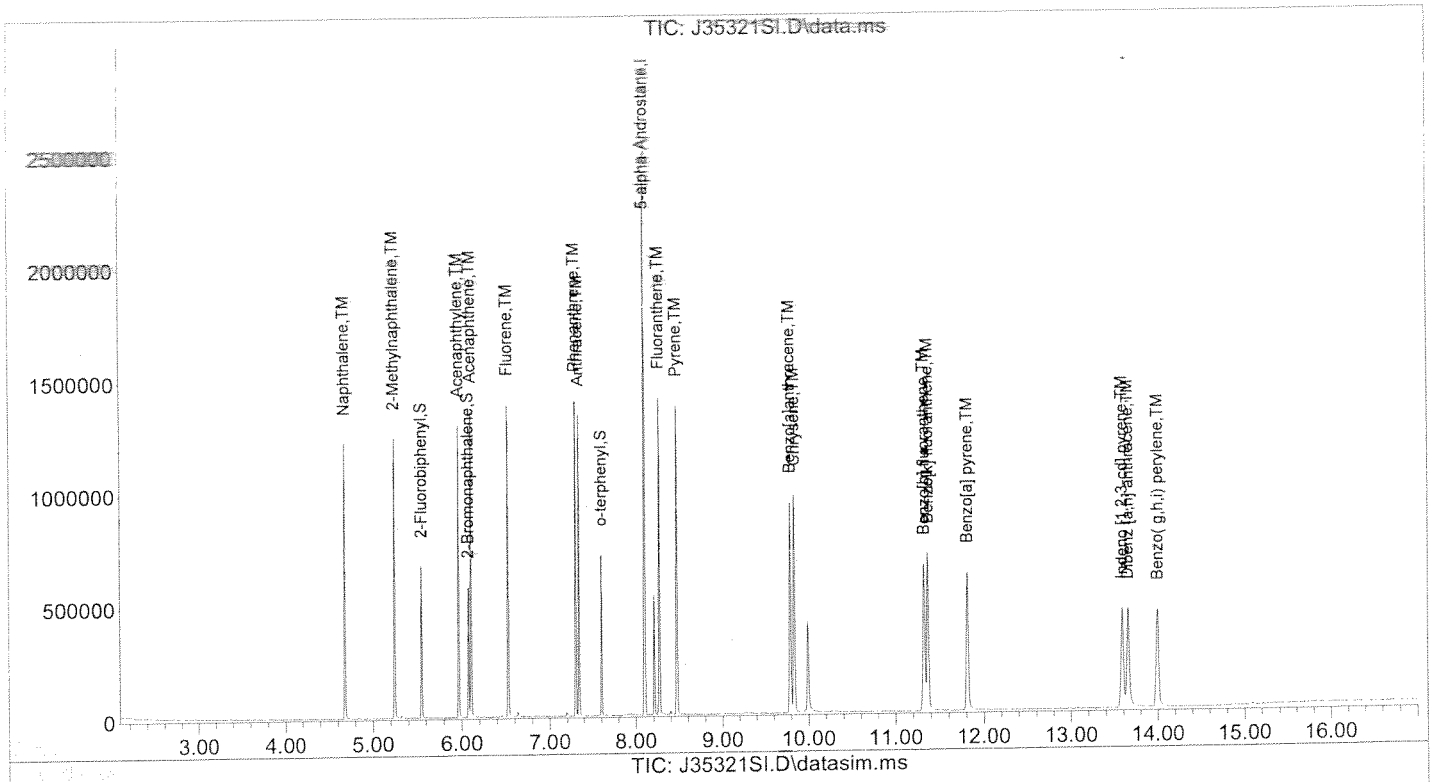
(#) = qualifier out of range (m) = manual integration (+) = signals summed

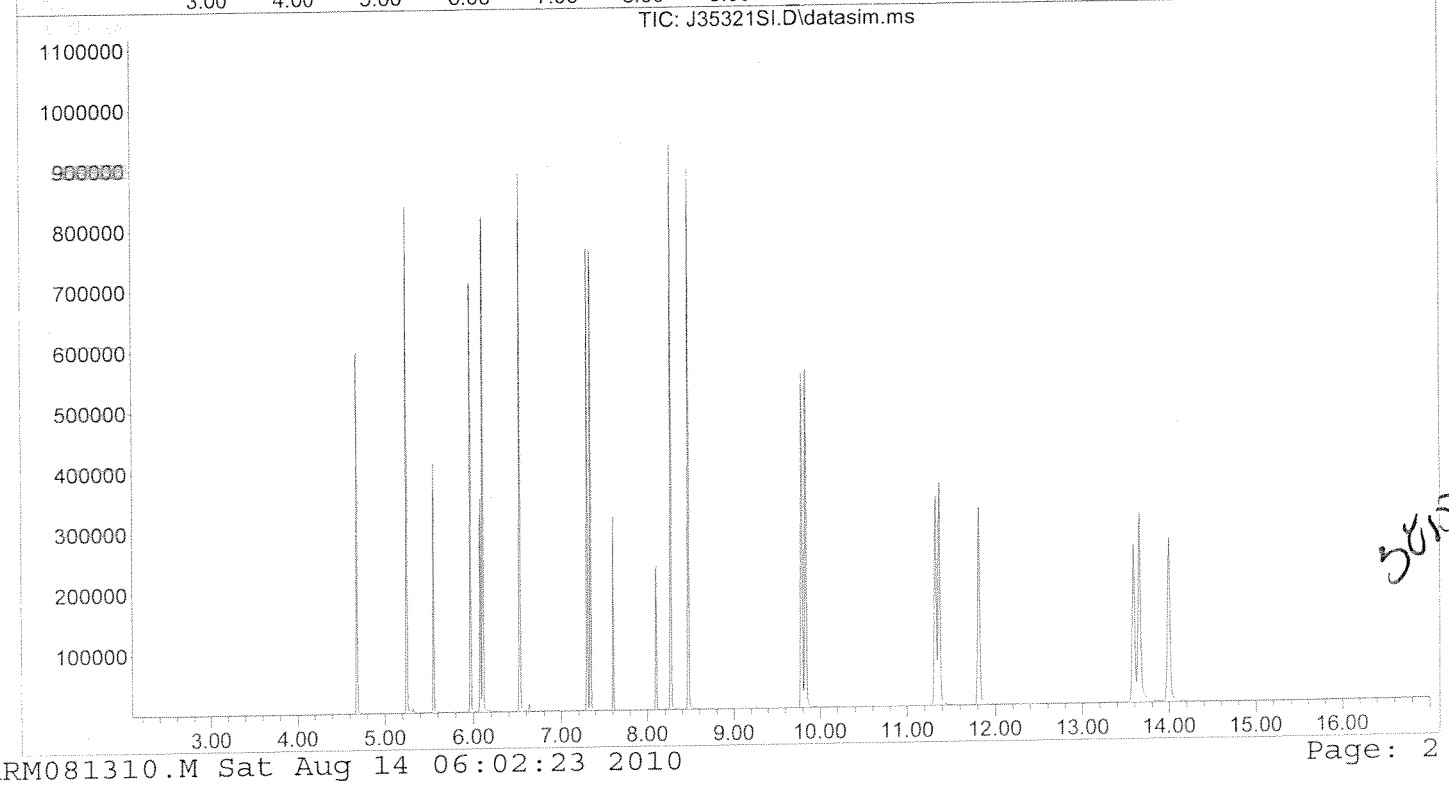
J81510

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35321SI.D
Acq On : 14 Aug 2010 4:02 am
Operator : MG/ALR
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 05:09:25 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10





35130

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35322SI.D
Acq On : 14 Aug 2010 4:25 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 05:09:26 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	103378	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	417011	12.57 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 62.85%		
10) 2-Bromonaphthalene	6.080	206	188855	16.16 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 80.80%		
11) o-terphenyl	7.601	230	238005	8.13 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 40.65%		
Target Compounds					Qvalue
2) Naphthalene	4.680	128	849188	22.26 ug/ml	100
3) 2-Methylnaphthalene	5.249	141	496746	22.29 ug/ml	98
4) Acenaphthylene	5.967	152	920399	27.67 ug/ml	100
5) Acenaphthene	6.110	154	536975	22.00 ug/ml	100
6) Fluorene	6.531	166	693844	20.97 ug/ml	99
7) Phenanthrene	7.296	178	996764	21.12 ug/ml	100
8) Anthracene	7.338	178	988889	21.31 ug/ml	100
12) Fluoranthene	8.270	202	1146891	20.56 ug/ml	99
13) Pyrene	8.472	202	1183861	20.48 ug/ml	99
14) Benzo[a]anthracene	9.794	228	1047517	21.00 ug/ml	100
15) Chrysene	9.841	228	999331	20.48 ug/ml	100
16) Benzo[b] fluoranthene	11.332	252	925359	21.39 ug/ml	100
17) Benzo[k] fluoranthene	11.380	252	930859	21.01 ug/ml	99
18) Benzo[a] pyrene	11.825	252	904502	21.98 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.604	276	766343	24.01 ug/ml	99
20) Dibenz [a,h] anthracene	13.671	278	745690	24.09 ug/ml	99
21) Benzo(g,h,i) perylene	14.016	276	802160	23.13 ug/ml	98

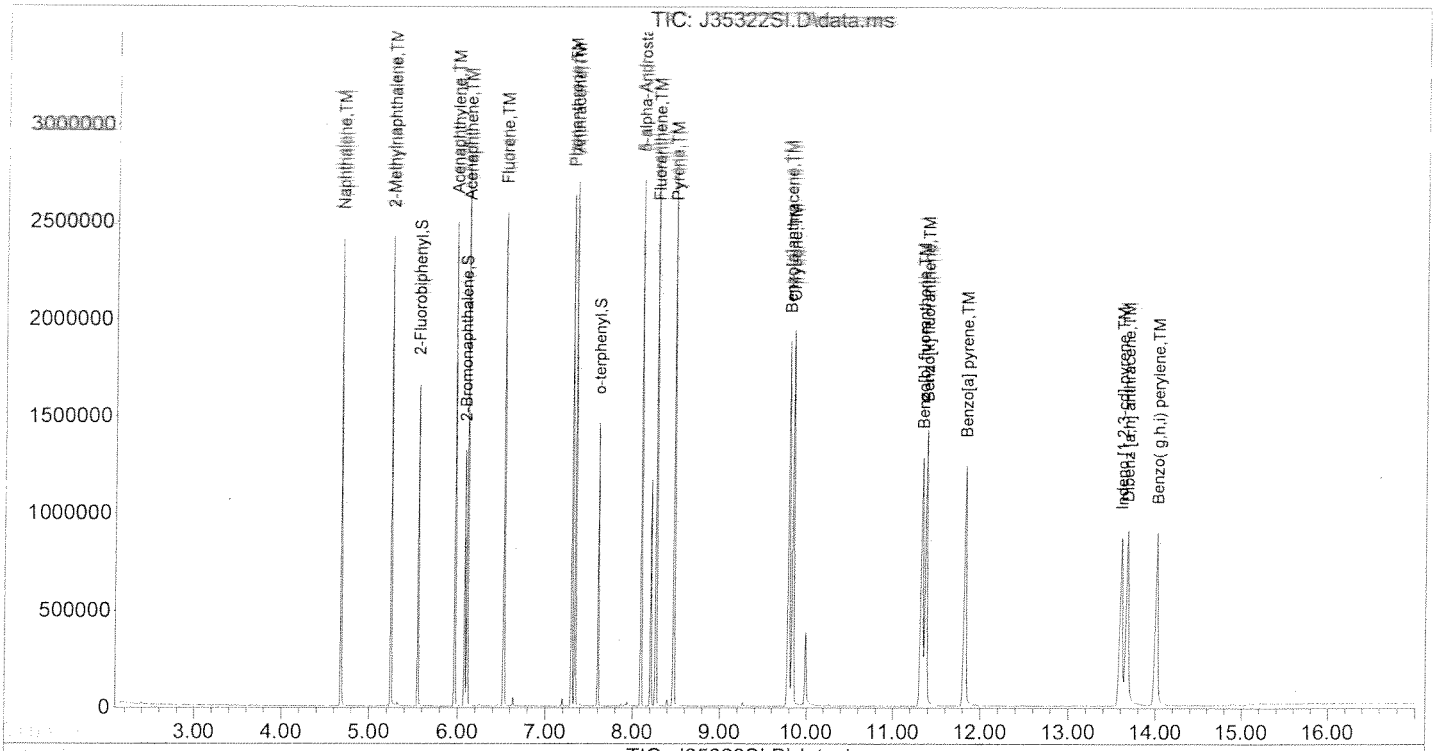
(#) = qualifier out of range (m) = manual integration (+) = signals summed

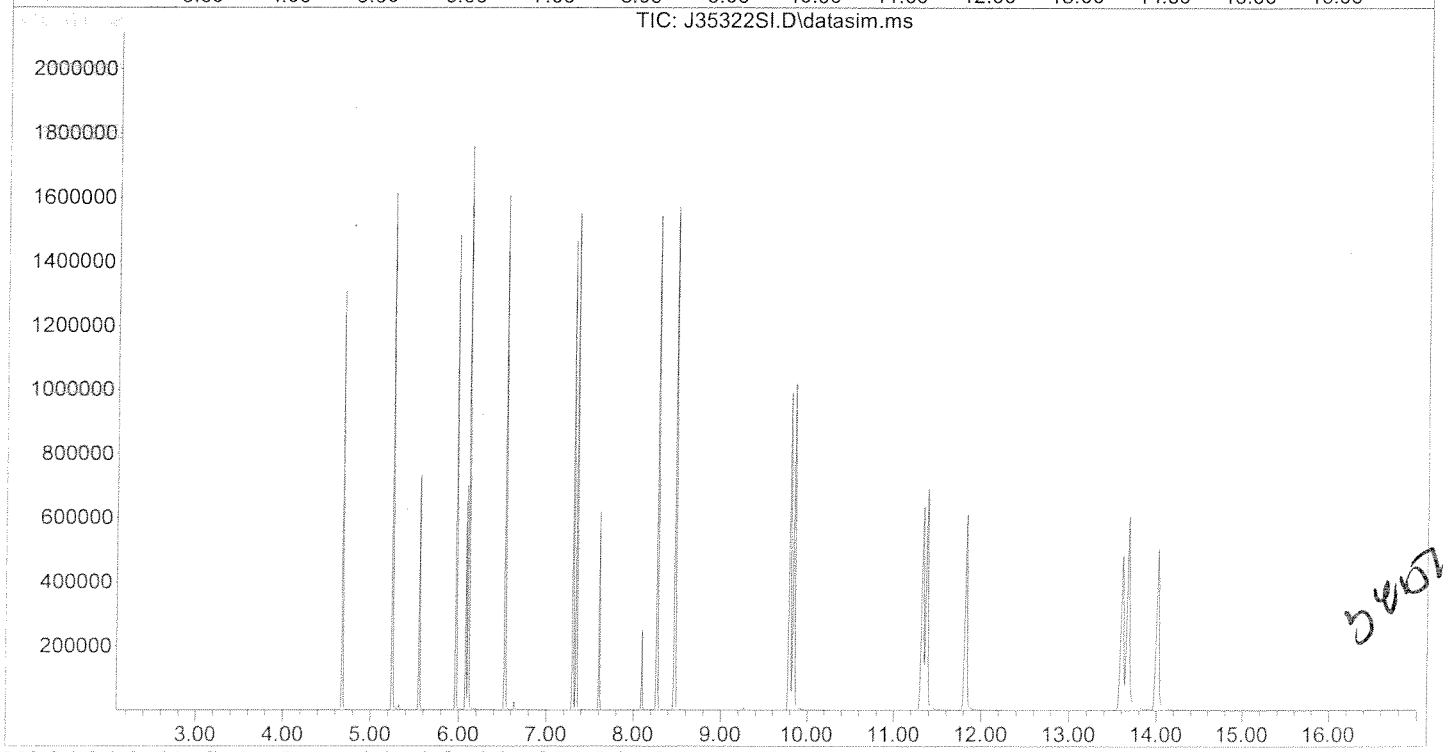
581520

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35322SI.D
Acq On : 14 Aug 2010 4:25 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 05:09:26 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10





36070

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35323SI.D
Acq On : 14 Aug 2010 4:48 am
Operator : MG/ALR
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 14 05:09:27 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.098	95	90532	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.553	172	908033	31.25 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 156.25%#	
10) 2-Bromonaphthalene	6.081	206	406516	35.83 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 179.15%#	
11) o-terphenyl	7.606	230	509801	19.89 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 99.45%	

Target Compounds					Qvalue
2) Naphthalene	4.686	128	1819630	54.48 ug/ml	100
3) 2-Methylnaphthalene	5.250	141	1037150	53.15 ug/ml	98
4) Acenaphthylene	5.974	152	1954436	60.83 ug/ml	99
5) Acenaphthene	6.116	154	1133358	53.02 ug/ml	99
6) Fluorene	6.531	166	1450927	50.07 ug/ml	99
7) Phenanthrene	7.301	178	2092300	50.63 ug/ml	100
8) Anthracene	7.343	178	2091837	51.46 ug/ml	99
12) Fluoranthene	8.276	202	2408810	49.31 ug/ml	100
13) Pyrene	8.477	202	2506759	49.51 ug/ml	100
14) Benzo[a]anthracene	9.805	228	2251088	51.54 ug/ml	100
15) Chrysene	9.855	228	2153880	50.40 ug/ml	100
16) Benzo[b] fluoranthene	11.346	252	2007813	53.00 ug/ml	100
17) Benzo[k] fluoranthene	11.401	252	1998146	51.49 ug/ml	99
18) Benzo[a] pyrene	11.846	252	1950247	54.11 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.632	276	1747106	62.51 ug/ml	100
20) Dibenz [a,h] anthracene	13.700	278	1723028	63.55 ug/ml	99
21) Benzo(g,h,i) perylene	14.048	276	1762102	58.02 ug/ml	98

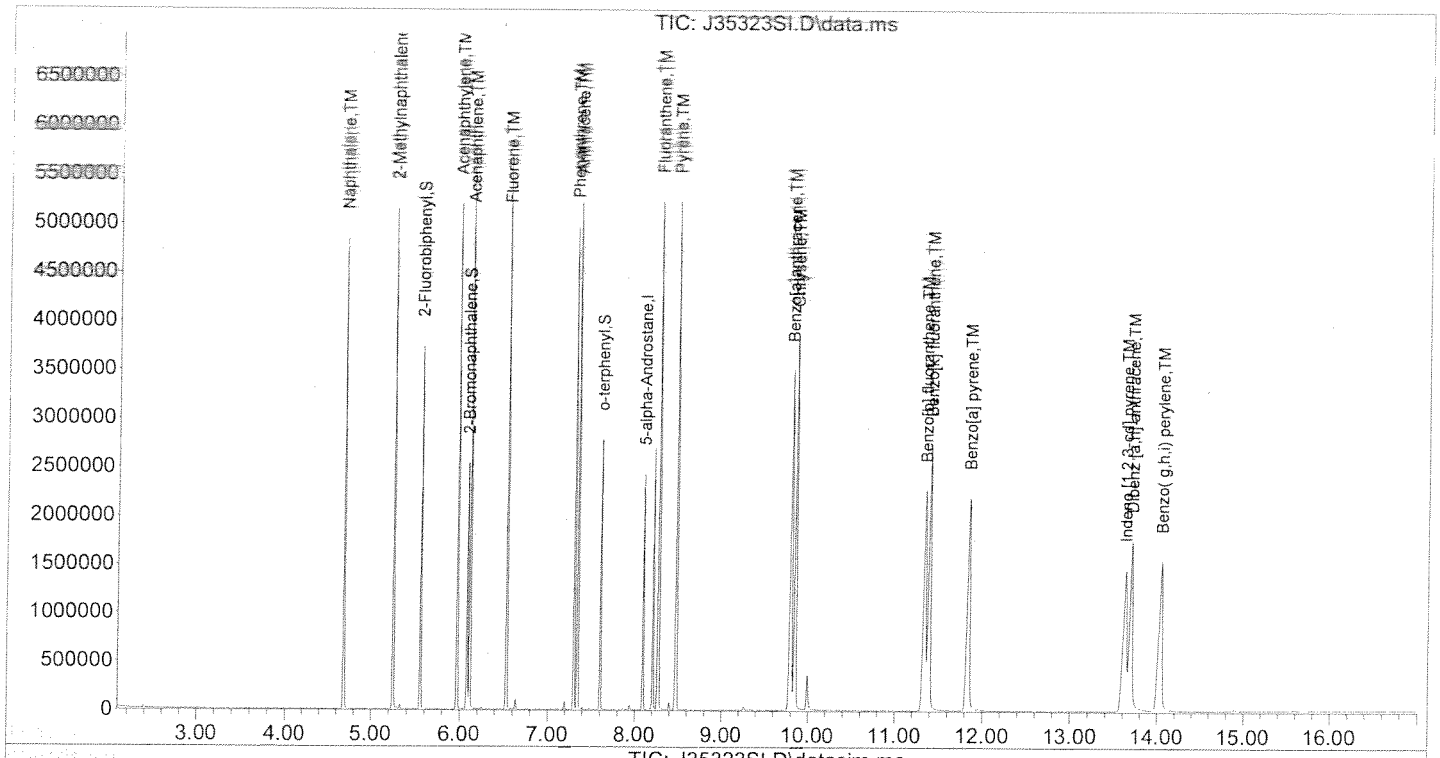
(#) = qualifier out of range (m) = manual integration (+) = signals summed

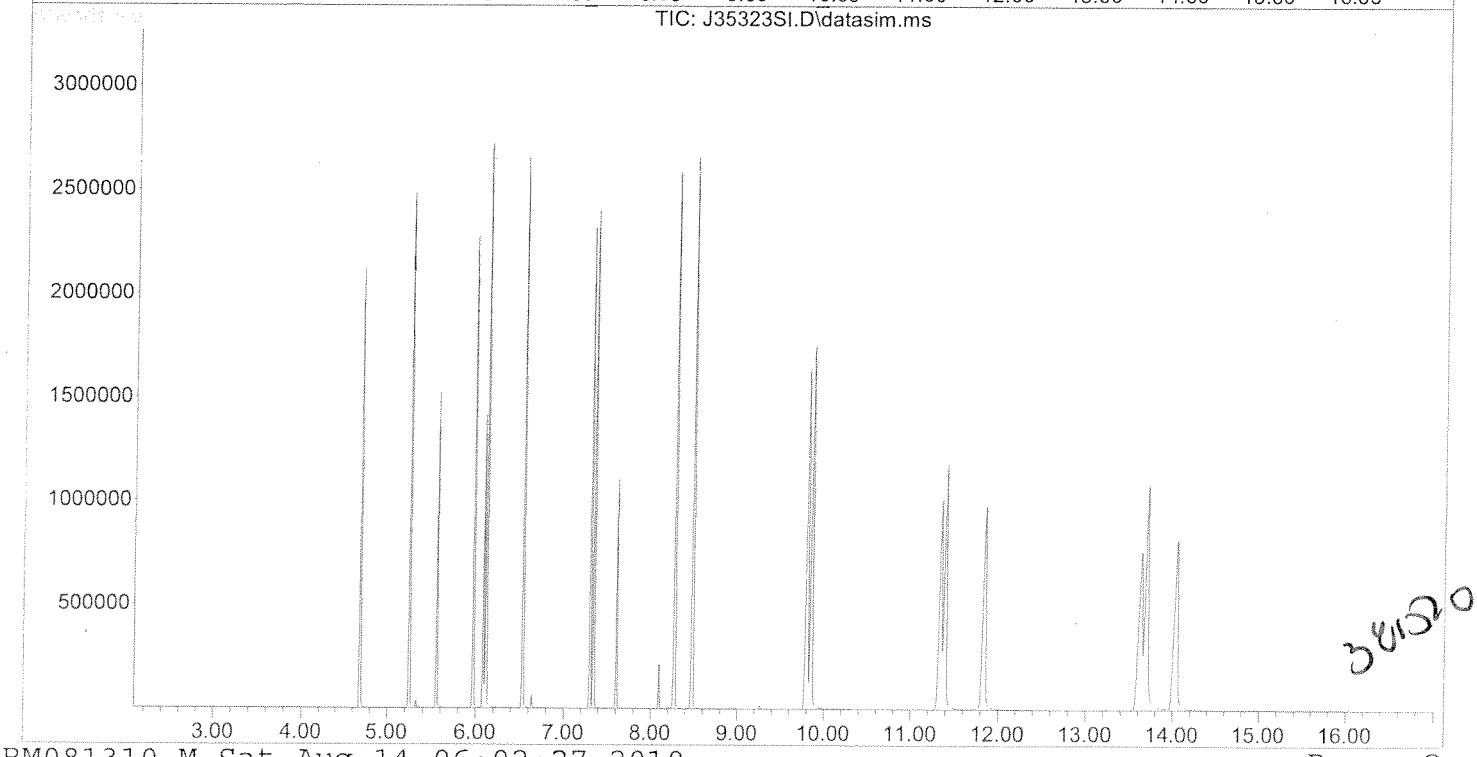
581570

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35323SI.D
Acq On : 14 Aug 2010 4:48 am
Operator : MG/ALR
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 14 05:09:27 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10





361520

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

8/14/10

Quant Time: Aug 14 05:33:08 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	93720	20.00 ug/ml	0.00

System Monitoring Compounds

9) 2-Fluorobiphenyl	5.558	172	1656216	52.23 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 261.15%#		
10) 2-Bromonaphthalene	6.086	206	571820	39.44 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 197.20%#		
11) o-terphenyl	7.605	230	1002078	36.44 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 182.20%#		

Target Compounds					Qvalue
2) Naphthalene	4.692	128	3080255	80.68 ug/ml	99
3) 2-Methylnaphthalene	5.256	141	1726001	77.39 ug/ml	99
4) Acenaphthylene	5.979	152	3356323	80.26 ug/ml	100
5) Acenaphthene	6.122	154	1569318	64.56 ug/ml	99
6) Fluorene	6.537	166	1920866	61.89 ug/ml	99
7) Phenanthrene	7.310	178	3905740	86.09 ug/ml	100
8) Anthracene	7.352	178	3839980	85.79 ug/ml	99
12) Fluoranthene	8.285	202	4510560	86.90 ug/ml	100
13) Pyrene	8.491	202	4680706	87.02 ug/ml	99
14) Benzo[a]anthracene	9.818	228	4328786	90.50 ug/ml	100
15) Chrysene	9.872	228	3970244m	86.56 ug/ml	
16) Benzo[b] fluoranthene	11.367	252	4046516	95.02 ug/ml	99
17) Benzo[k] fluoranthene	11.428	252	3680833m	86.80 ug/ml	
18) Benzo[a] pyrene	11.873	252	3802308	92.42 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.691	276	3472007m	99.32 ug/ml	
20) Dibenz [a,h] anthracene	13.739	278	3178773	91.94 ug/ml	96
21) Benzo(g,h,i) perylene	14.088	276	3178212	85.25 ug/ml	99

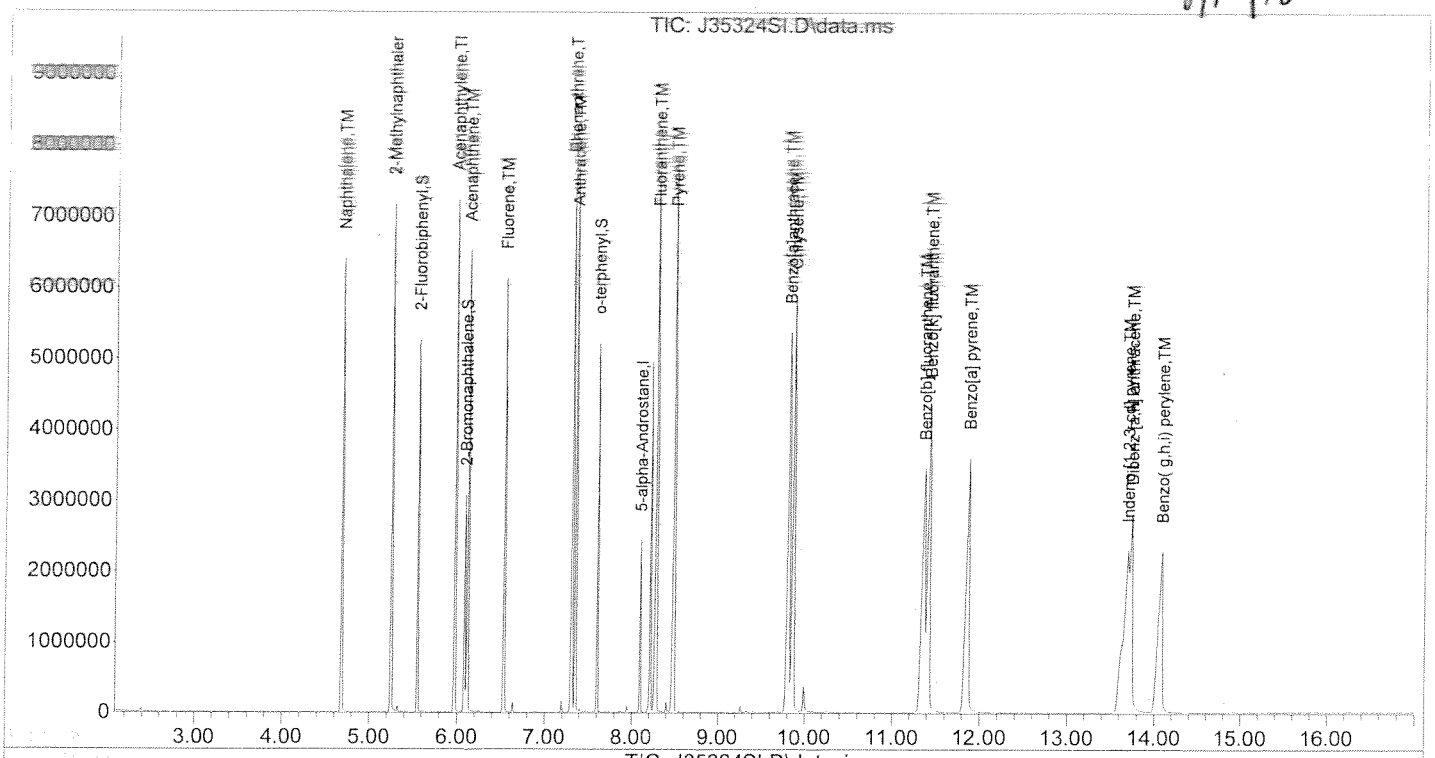
(#) = qualifier out of range (m) = manual integration (+) = signals summed

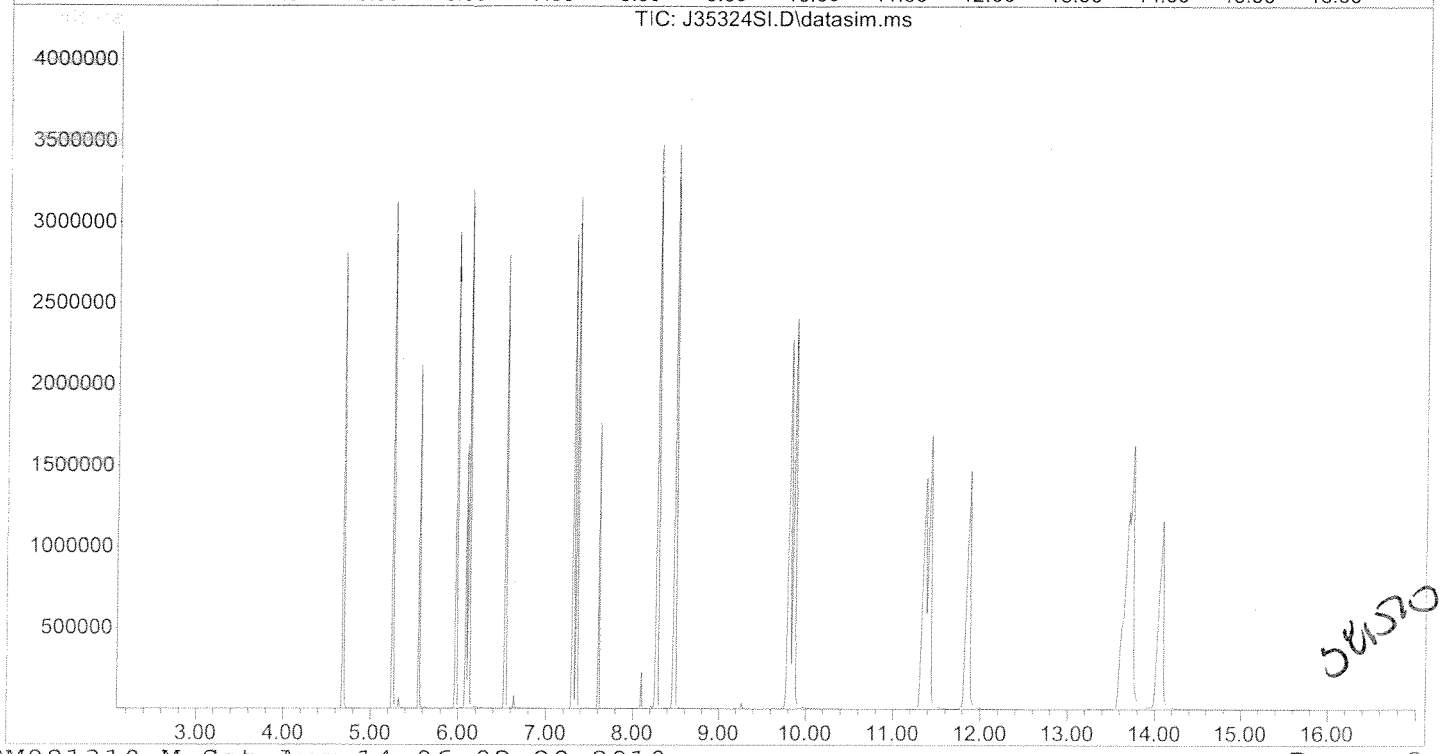
581520

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 05:33:08 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

8/14/10



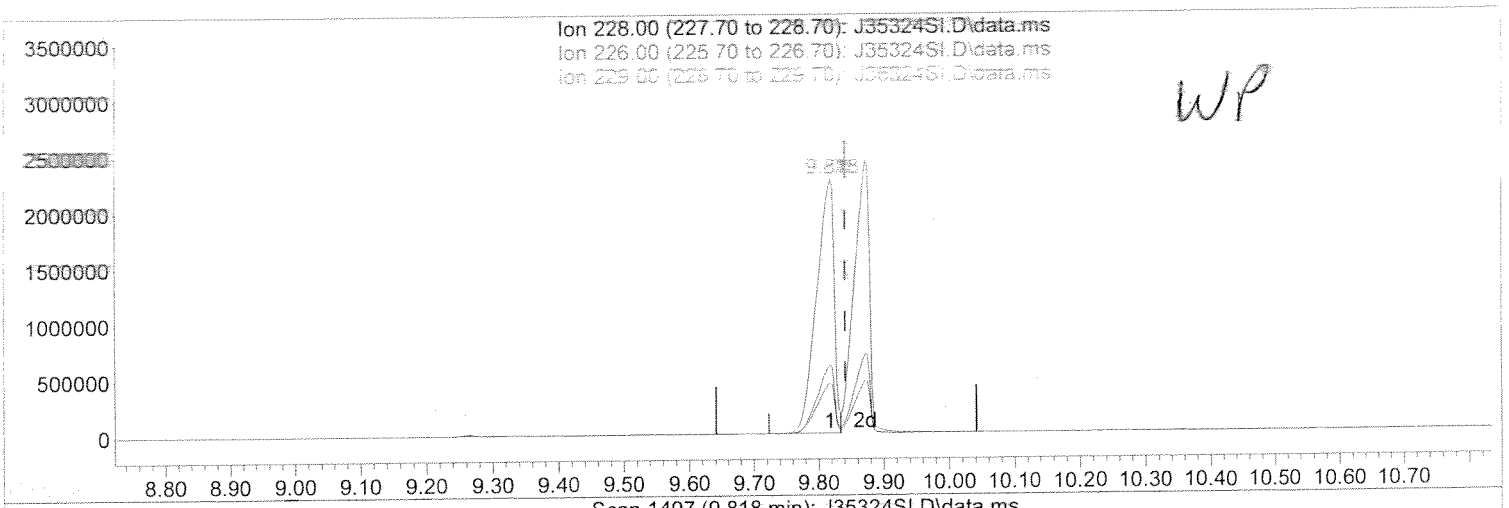


061520

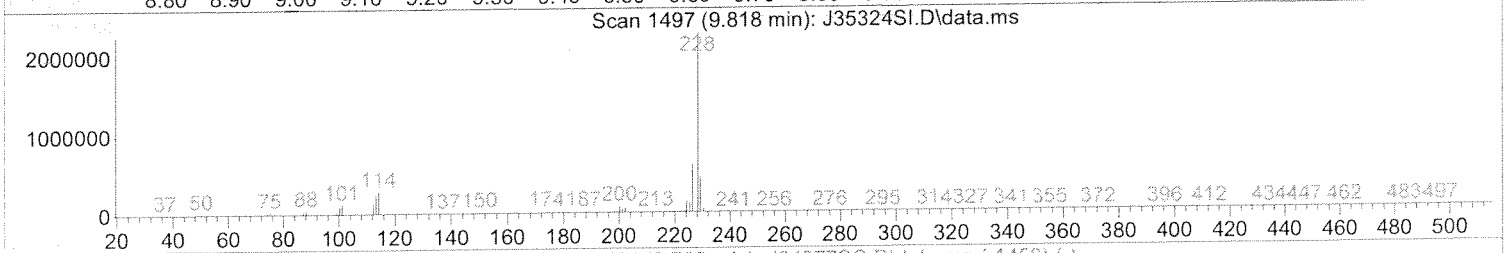
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

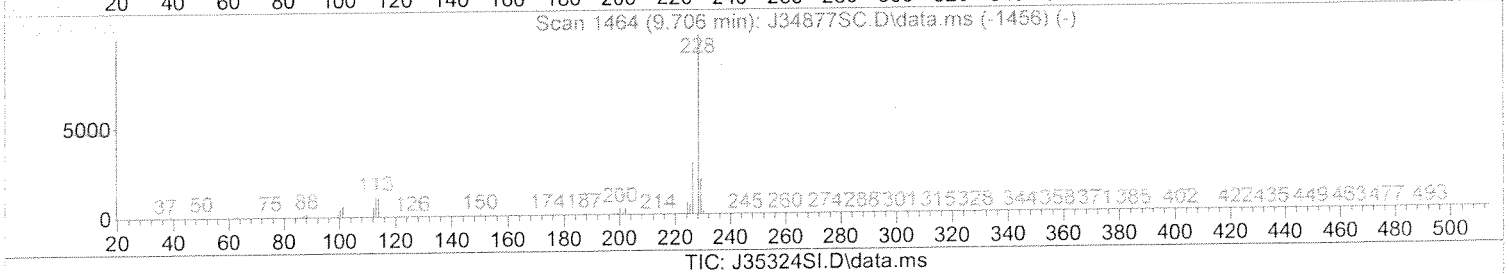
Quant Time: Aug 14 05:32:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

8/14/10



WP





TIC: J35324SI.D\data.ms

(15) Chrysene (TM)

9.818min (-0.024) 94.38ug/ml

response 4328786

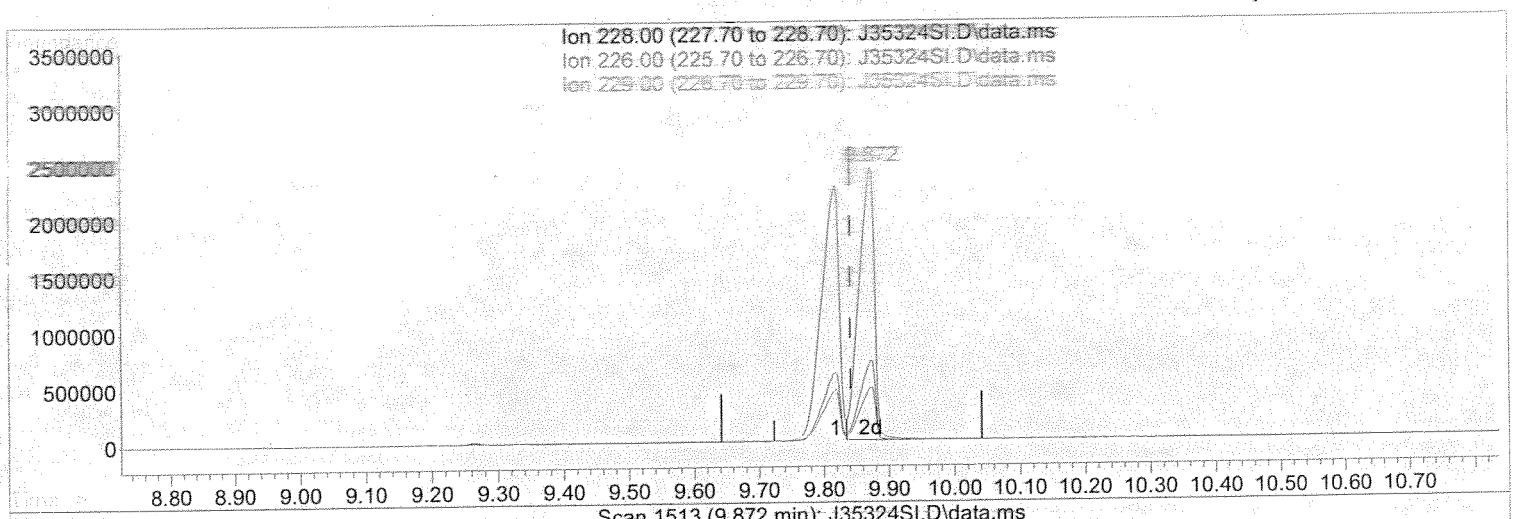
Ion	Exp%	Act%
228.00	100	100
226.00	28.70	26.47
229.00	19.40	19.80
0.00	0.00	0.00

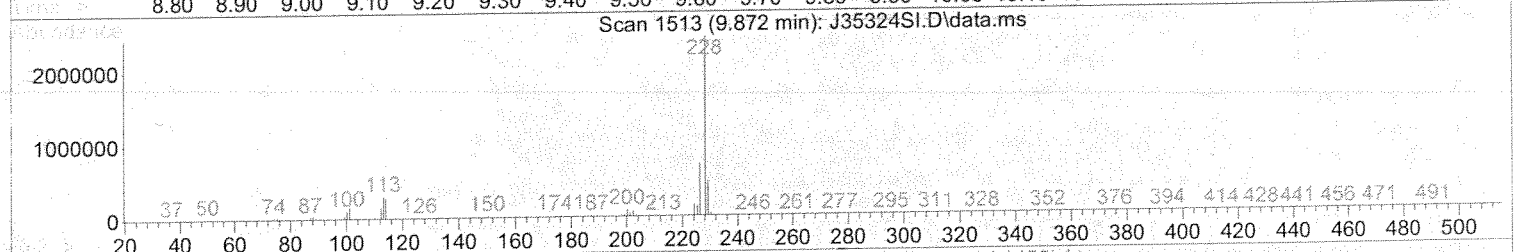
581320

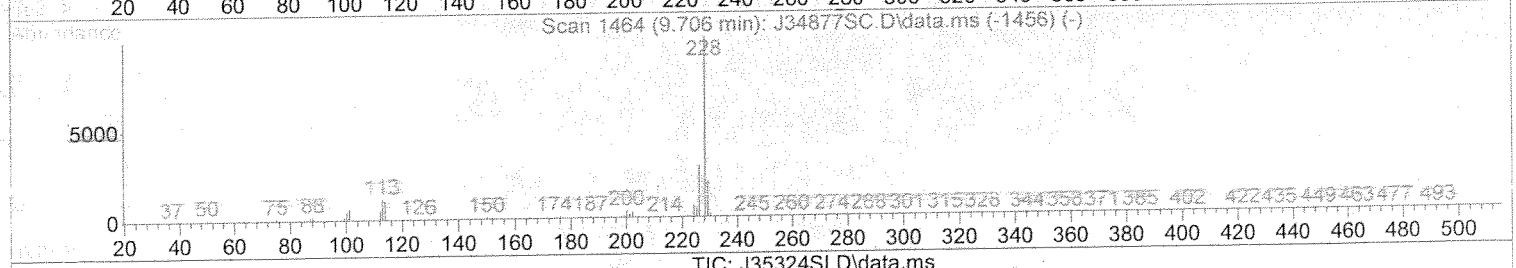
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 05:32:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

8/14/10







TIC: J35324SI.D\data.ms

(15) Chrysene (TM)

9.872min (+0.030) 86.56ug/ml m

response 3970244

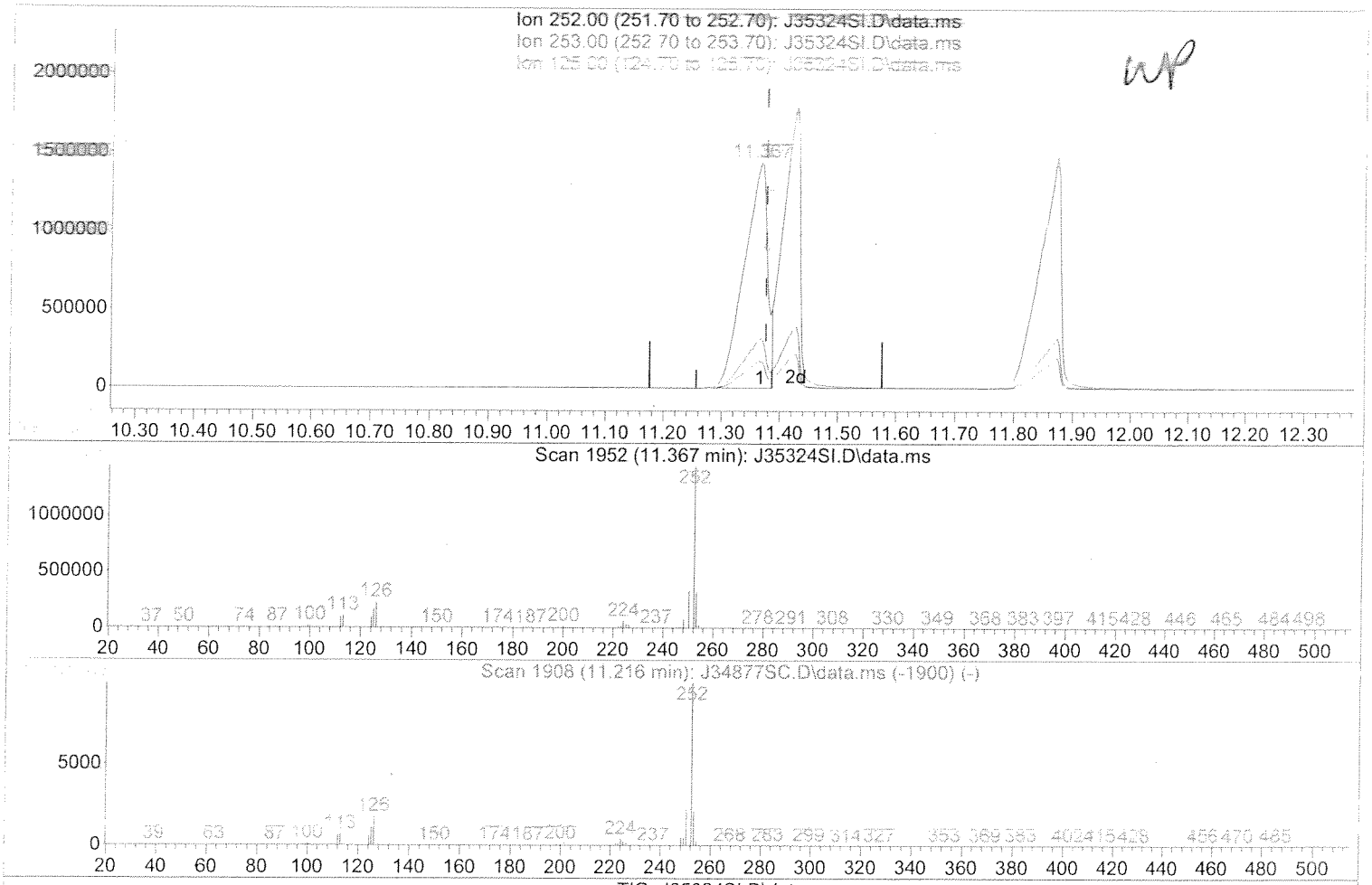
Ion	Exp%	Act%
228.00	100	100
226.00	28.70	28.86
229.00	19.40	21.59
0.00	0.00	0.00

581520

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 05:32:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

8/14/10



(17) Benzo[k] fluoranthene (TM)

11.367min (-0.010) 95.43ug/ml

response 4046516

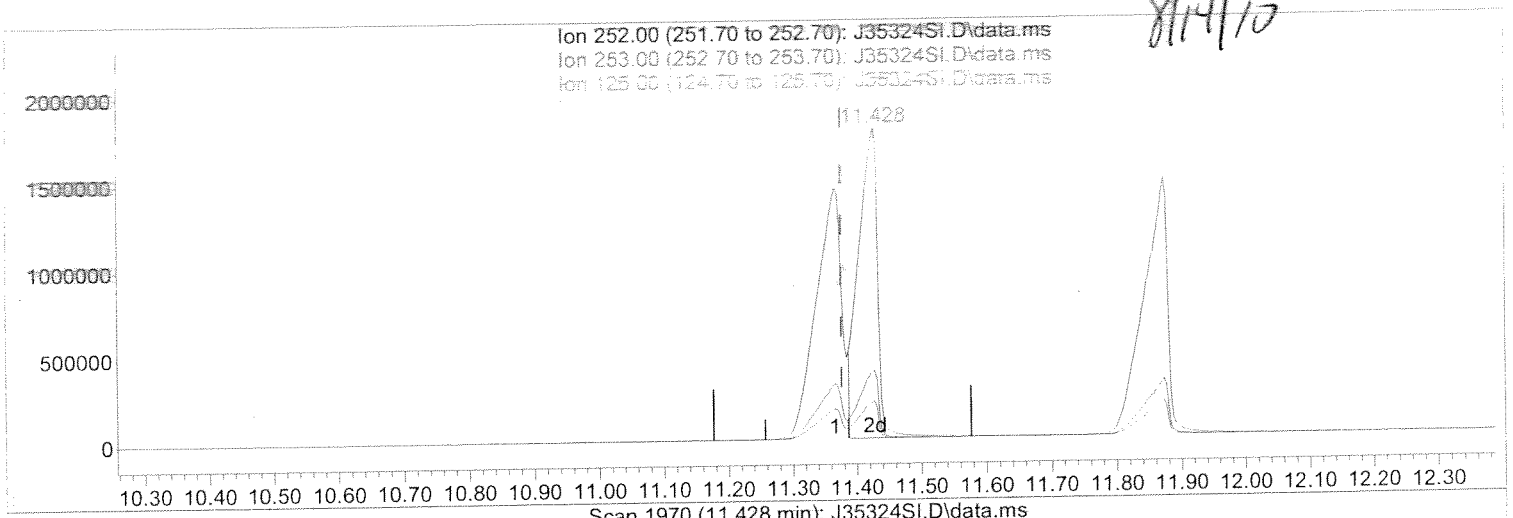
Ion	Exp%	Act%
252.00	100	100
253.00	21.40	21.44
125.00	11.20	11.71
0.00	0.00	0.00

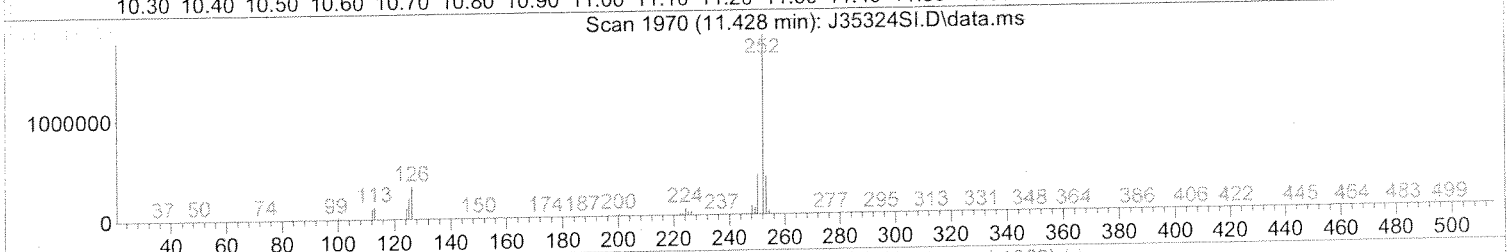
581520

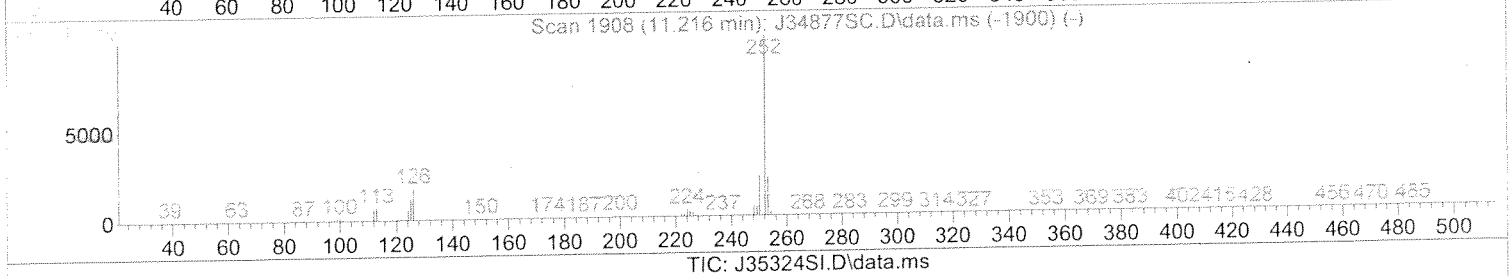
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 05:32:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

8/14/10







TIC: J35324SI.D\data.ms

(17) Benzo[k] fluoranthene (TM)

11.428min (+0.051) 86.80ug/ml m

response 3680833

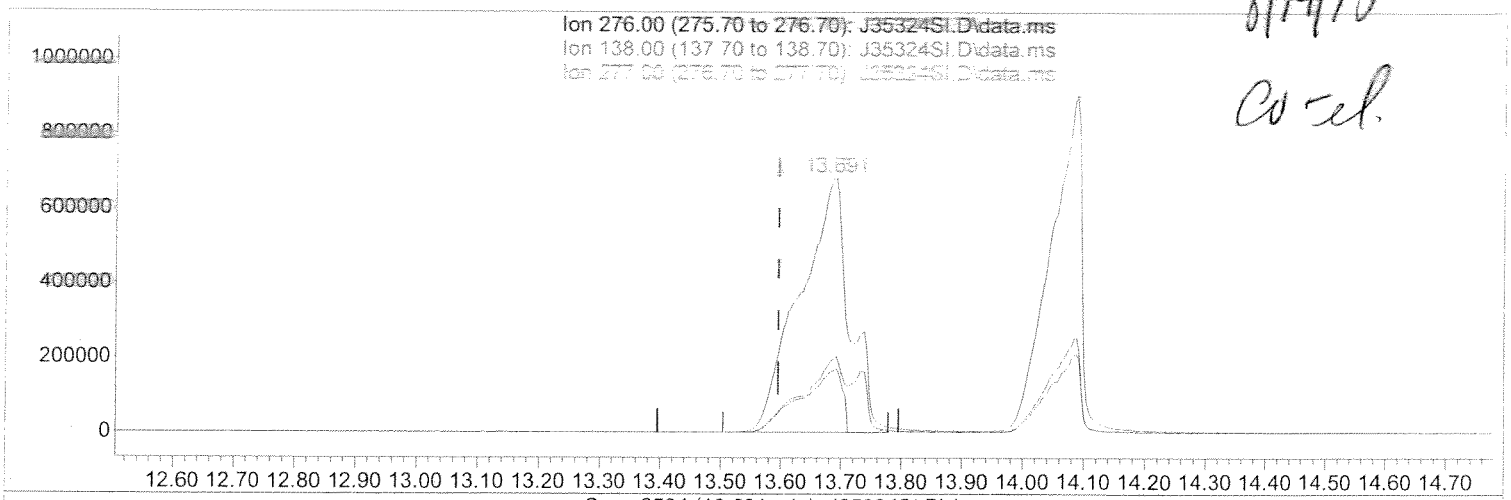
Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.57
125.00	11.20	12.87
0.00	0.00	0.00

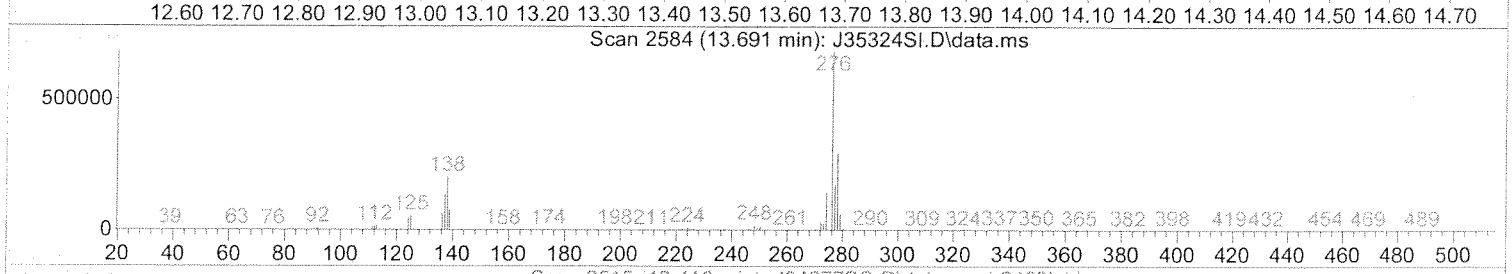
341520

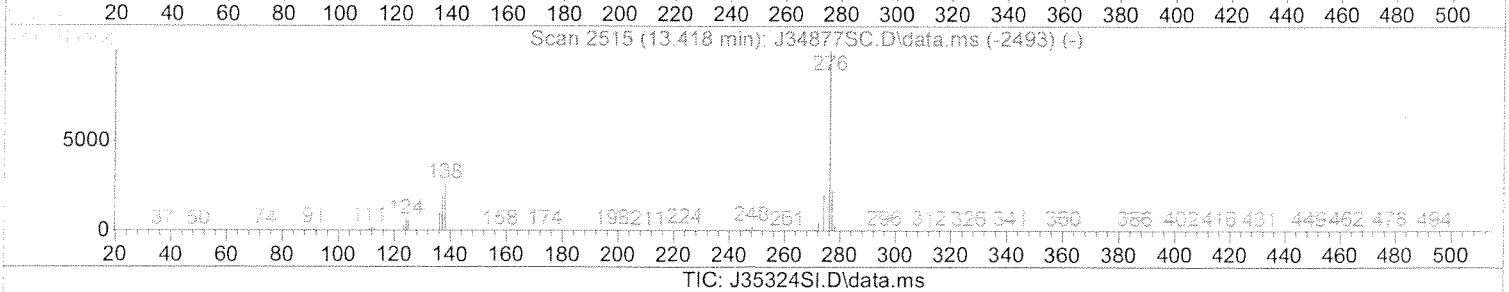
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 05:32:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

MR 8/14/10
Co-el.







TIC: J35324SI.D\data.ms

(19) Indeno [1,2,3-cd] pyrene (TM)

13.691min (+0.095) 111.61ug/ml

response 3901505

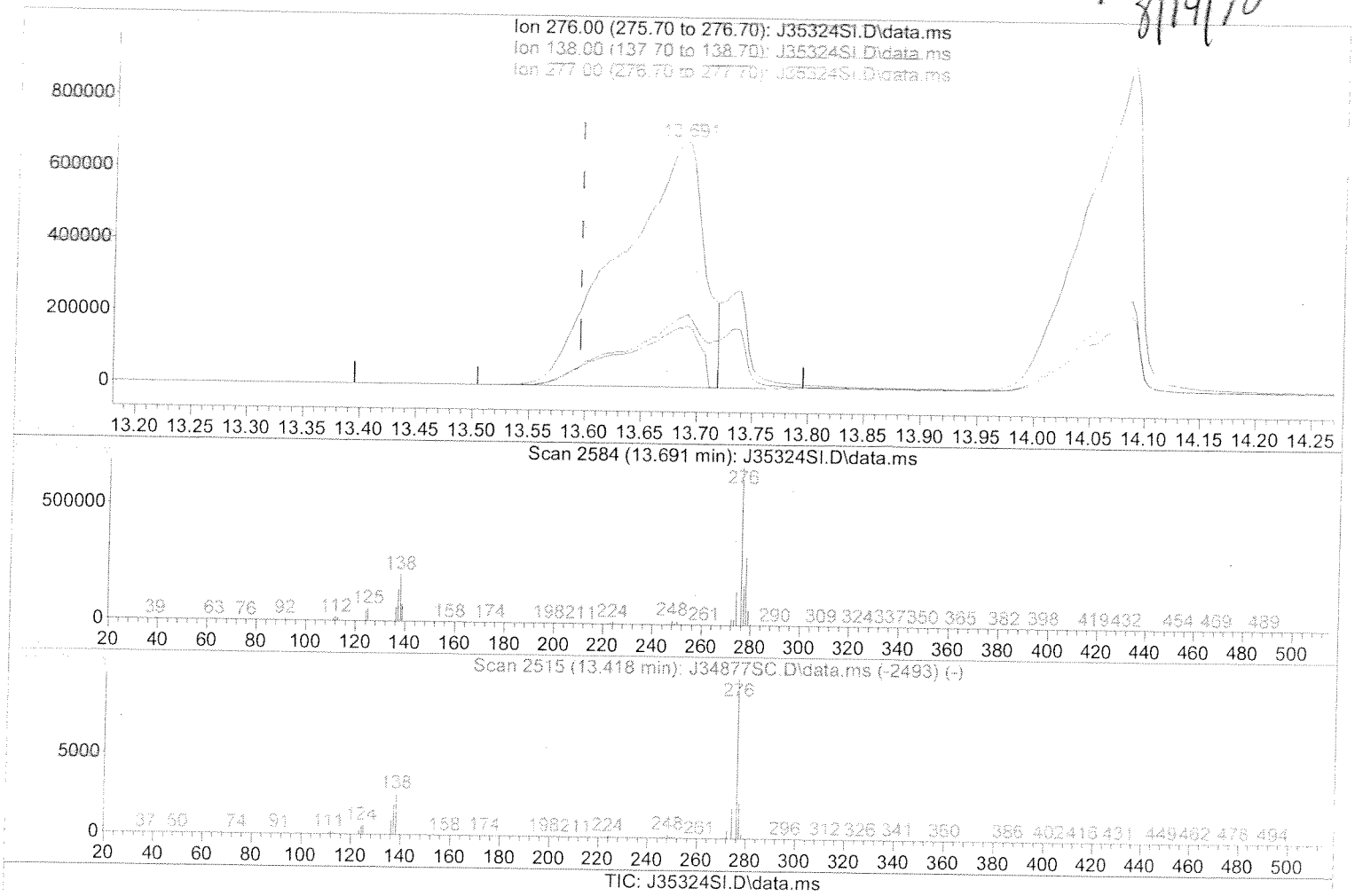
Ion	Exp%	Act%
276.00	100	100
138.00	25.70	32.48#
277.00	23.80	20.98
0.00	0.00	0.00

5e570

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 05:32:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

8/14/10



(19) Indeno [1,2,3-cd] pyrene (TM)

13.691min (+0.095) 99.32ug/ml m

response 3472007

Ion	Exp%	Act%
276.00	100	100
138.00	25.70	36.50#
277.00	23.80	23.57
0.00	0.00	0.00

581570

MS AROMATIC
2ND SOURCE
CHECK

Data File Name J35325.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/14/2010 5:33

8/14/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	22.19	20	111%	OK
2-Methylnaphthalene	21.50	20	107%	OK
Acenaphthylene	21.56	20	108%	OK
Acenaphthene	19.87	20	99%	OK
Fluorene	19.24	20	96%	OK
Phenanthrene	21.76	20	109%	OK
Anthracene	21.64	20	108%	OK
o-terphenyl	20.02	20	100%	OK
Fluoranthene	21.46	20	107%	OK
Pyrene	20.99	20	105%	OK
Benzo[a]anthracene	20.31	20	102%	OK
Chrysene	20.77	20	104%	OK
Benzo[b] fluoranthene	19.74	20	99%	OK
Benzo[k] fluoranthene	20.13	20	101%	OK
Benzo[a] pyrene	20.45	20	102%	OK
Indeno [1,2,3-cd] pyrene	19.76	20	99%	OK
Dibenz [a,h] anthracene	19.64	20	98%	OK
Benzo(g,h,i) perylene	19.30	20	97%	OK

081520

8/14/2010 6:01 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARM ICVPRCT.CRT

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35325.D
Acq On : 14 Aug 2010 5:33 am
Operator : MG/ALR
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 14 05:59:51 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

MK 8/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	100378	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.546	172	250	0.01 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 0.05%#		
10) 2-Bromonaphthalene	6.080	206	157	0.75 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 3.75%#		
11) o-terphenyl	7.605	230	580833	20.02 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 100.10%		

Target Compounds					Qvalue
2) Naphthalene	4.686	128	878136	22.19 ug/ml	100
3) 2-Methylnaphthalene	5.250	141	494134	21.50 ug/ml	98
4) Acenaphthylene	5.967	152	933707	21.56 ug/ml	100
5) Acenaphthene	6.110	154	559335	19.87 ug/ml	100
6) Fluorene	6.525	166	700953	19.24 ug/ml	99
7) Phenanthrene	7.296	178	1032606	21.76 ug/ml	99
8) Anthracene	7.338	178	1012663	21.64 ug/ml	99
12) Fluoranthene	8.270	202	1166742	21.46 ug/ml	99
13) Pyrene	8.472	202	1183131	20.99 ug/ml	98
14) Benzo[a]anthracene	9.794	228	1024191	20.31 ug/ml	100
15) Chrysene	9.841	228	997505	20.77 ug/ml	99
16) Benzo[b] fluoranthene	11.329	252	892735	19.74 ug/ml	100
17) Benzo[k] fluoranthene	11.377	252	894217	20.13 ug/ml	100
18) Benzo[a] pyrene	11.825	252	889901	20.45 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.604	276	738969	19.76 ug/ml	99
20) Dibenz [a,h] anthracene	13.671	278	717564	19.64 ug/ml	99
21) Benzo(g,h,i) perylene	14.016	276	751790	19.30 ug/ml	100

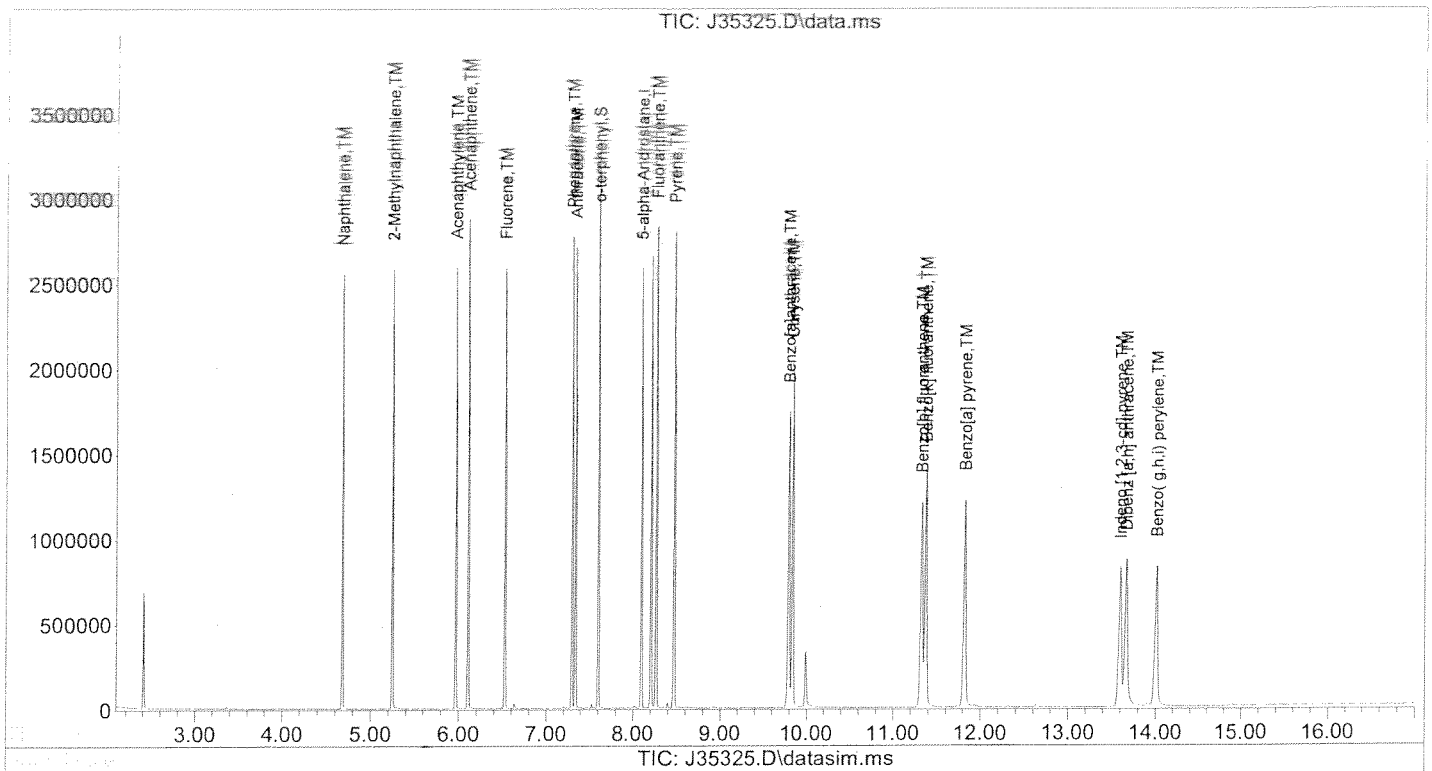
(#) = qualifier out of range (m) = manual integration (+) = signals summed

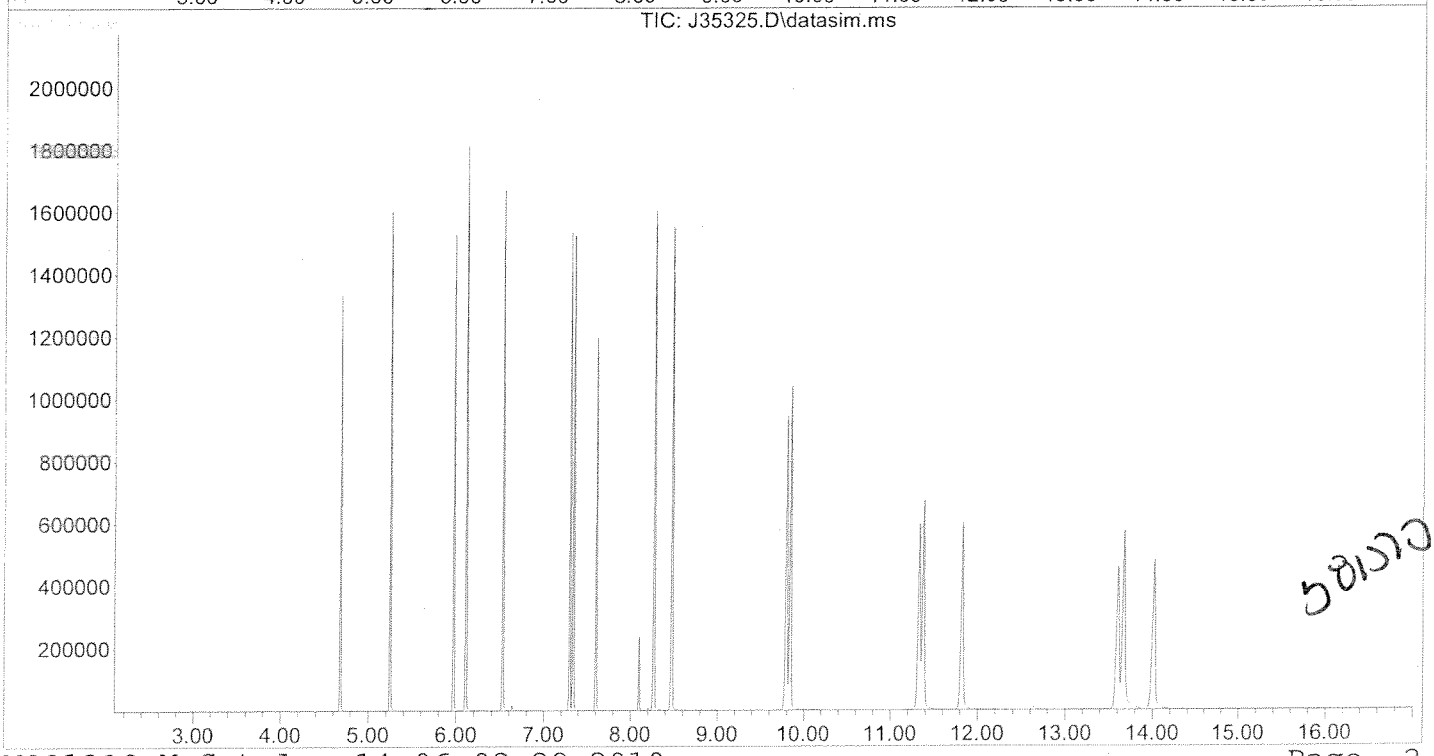
38520

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35325.D
Acq On : 14 Aug 2010 5:33 am
Operator : MG/ALR
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 14 05:59:51 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

8/14/10





581510

Method Path : C:\msdchem\1\METHODS\
Method File : ARG081310.M
Title : EPH GC AROMATICS
Last Update : Sat Aug 14 06:49:45 2010
Response Via : Initial Calibration

PM 8/14/10

Calibration Files

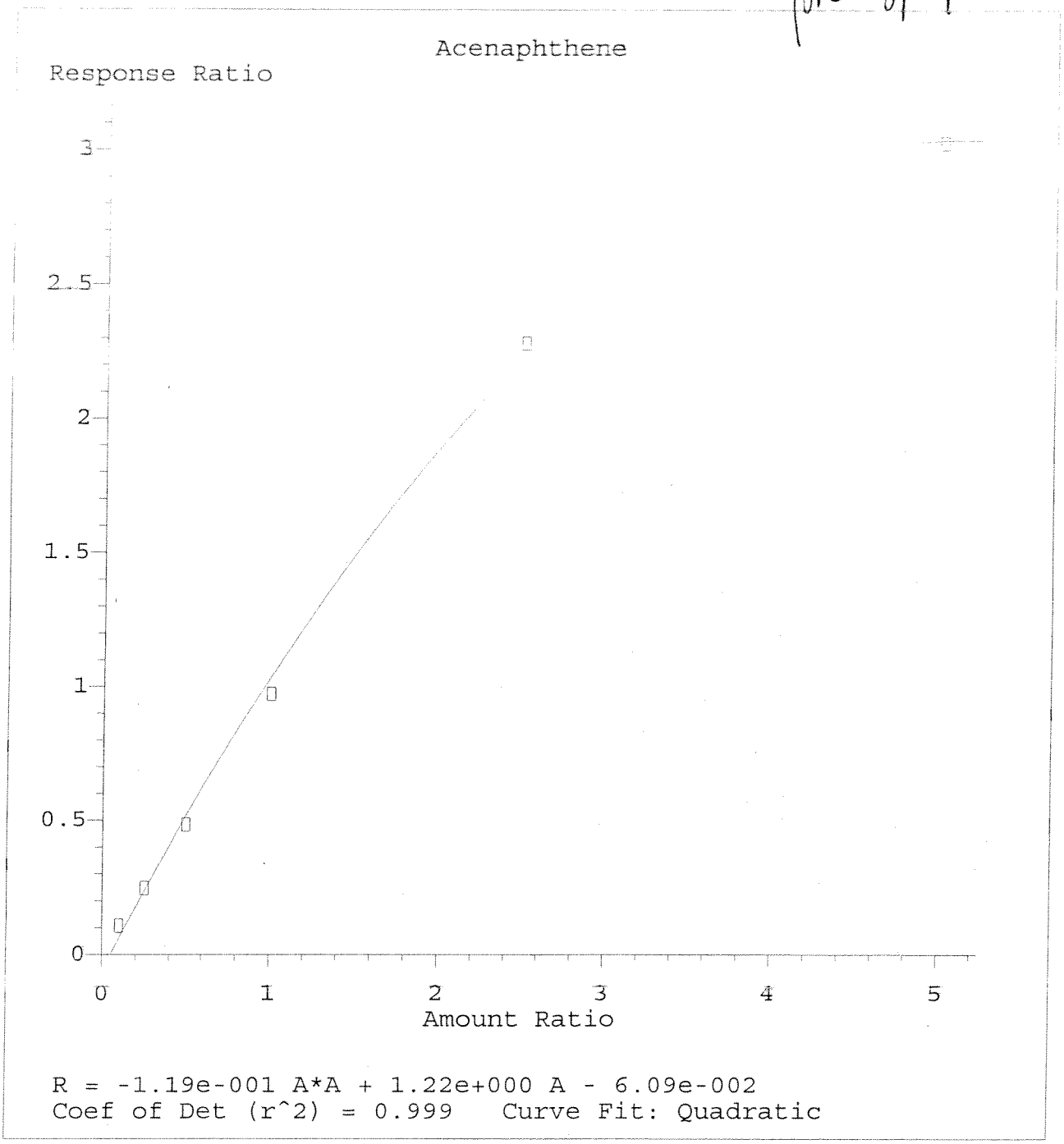
2	=J35319SI.D	5	=J35320SI.D	10	=J35321SI.D
20	=J35322SI.D	50	=J35323SI.D	100	=J35324SI.D

		Compound	2	5	10	20	50	100	Avg	%RSD
1)	I	5-alpha-Androstane	----------ISTD----------							
2)	TZ	Naphthalene	0.871	0.842	0.853	0.839	0.800	0.653	0.810	9.92
3)	TZ	2-Methylnapht...	0.962	0.920	0.893	0.897	0.830	0.670	0.862	12.01
4)	TZ	Acenaphthylene	0.911	0.879	0.882	0.882	0.833	0.693	0.847	9.39
5)	TZ	Acenaphthene	1.074	0.990	0.966	0.973	0.912	0.605	0.920	17.70 Q
6)	TZ	Fluorene	1.072	0.992	0.989	0.997	0.946	0.617	0.936	17.23 Q
7)	TZ	Phenanthrene	1.125	1.073	1.028	1.011	0.943	0.852	1.006	9.62
8)	TZ	Anthracene	1.086	0.997	0.955	0.976	0.918	0.819	0.958	9.23
9)	S	2-Fluorobiphenyl	0.965	0.968	0.931	0.927	0.891	0.781	0.910	7.64
10)	S	2-Bromonaphth...	0.784	0.750	0.758	0.754	0.726	0.471	0.707	16.58 Q
11)	S	o-terphenyl	1.406	1.293	1.244	1.237	1.175	1.102	1.243	8.33
12)	TZ	Fluoranthene	1.214	1.154	1.133	1.136	1.079	0.995	1.118	6.65
13)	TZ	Pyrene	1.269	1.196	1.164	1.185	1.135	1.045	1.166	6.35
14)	TZ	Benzo[a]anthr...	1.174	1.119	1.088	1.101	1.066	1.003	1.092	5.22
15)	TZ	Chrysene	1.213	1.135	1.113	1.113	1.056	0.958	1.098	7.78
16)	TZ	Benzo[b] fluo...	1.102	1.031	1.018	1.011	0.986	0.944	1.015	5.16
17)	TZ	Benzo[k] fluo...	1.153	1.058	1.039	1.017	0.984	0.931	1.030	7.26
18)	TZ	Benzo[a] pyrene	1.093	1.026	1.005	1.000	0.969	0.927	1.003	5.54
19)	TZ	Indeno [1,2,3...	0.903	0.867	0.855	0.861	0.871	0.988	0.891	5.67
20)	TZ	Dibenz [a,h] ...	1.057	0.992	0.960	0.940	0.916	0.598	0.910	17.62 Q
21)	TZ	Benzo(g,h,i)...	1.042	0.978	0.947	0.927	0.928	0.818	0.940	7.84
22)	XH	c11-c22	1.078	1.015	0.993	0.992	0.951	0.830	0.977	8.47

(#) = Out of Range

J 81570

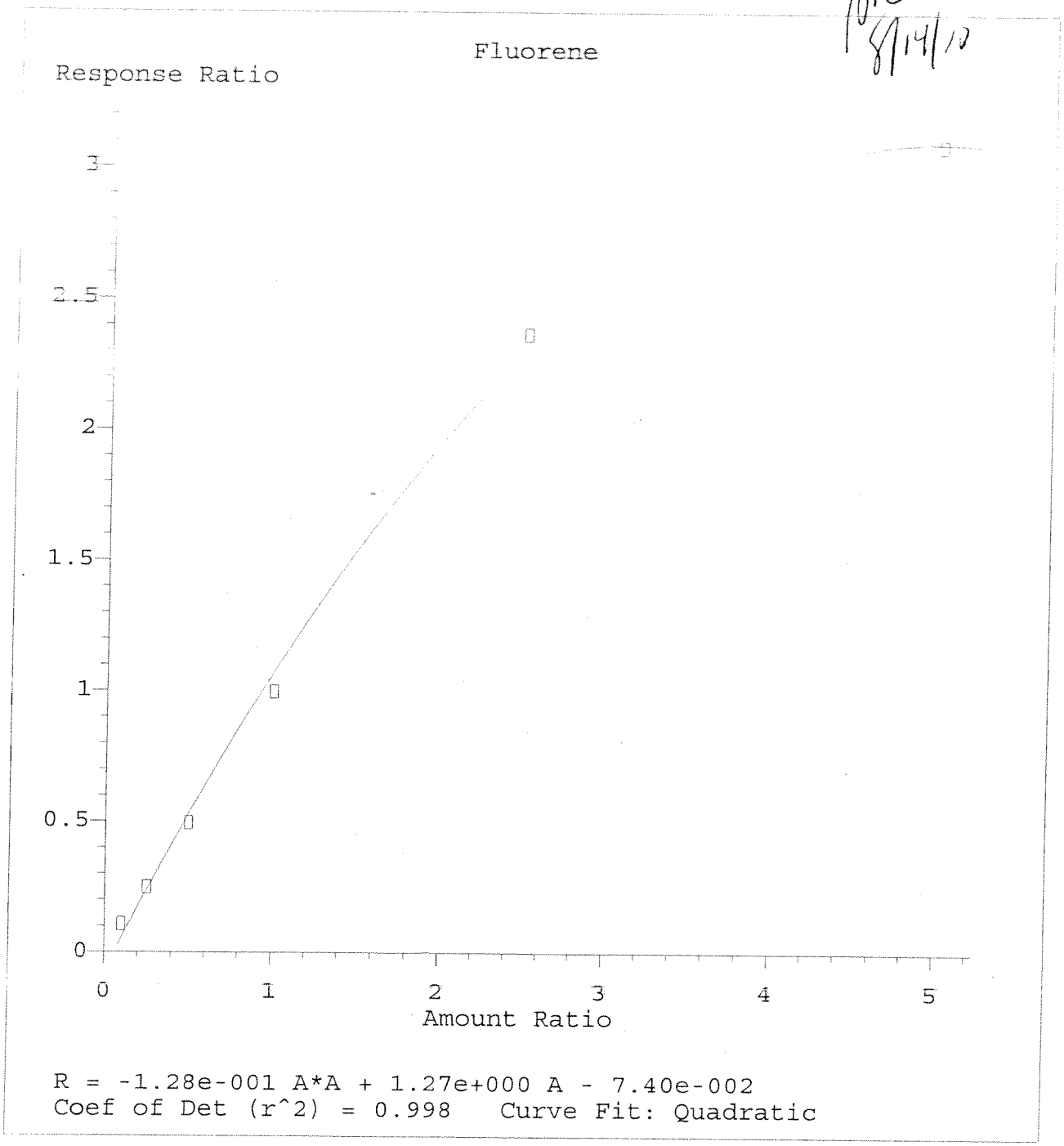
PN 8/14/10



Method Name: C:\msdchem\1\METHODS\ARG081310.M
Calibration Table Last Updated: Sat Aug 14 06:48:51 2010

0 21520

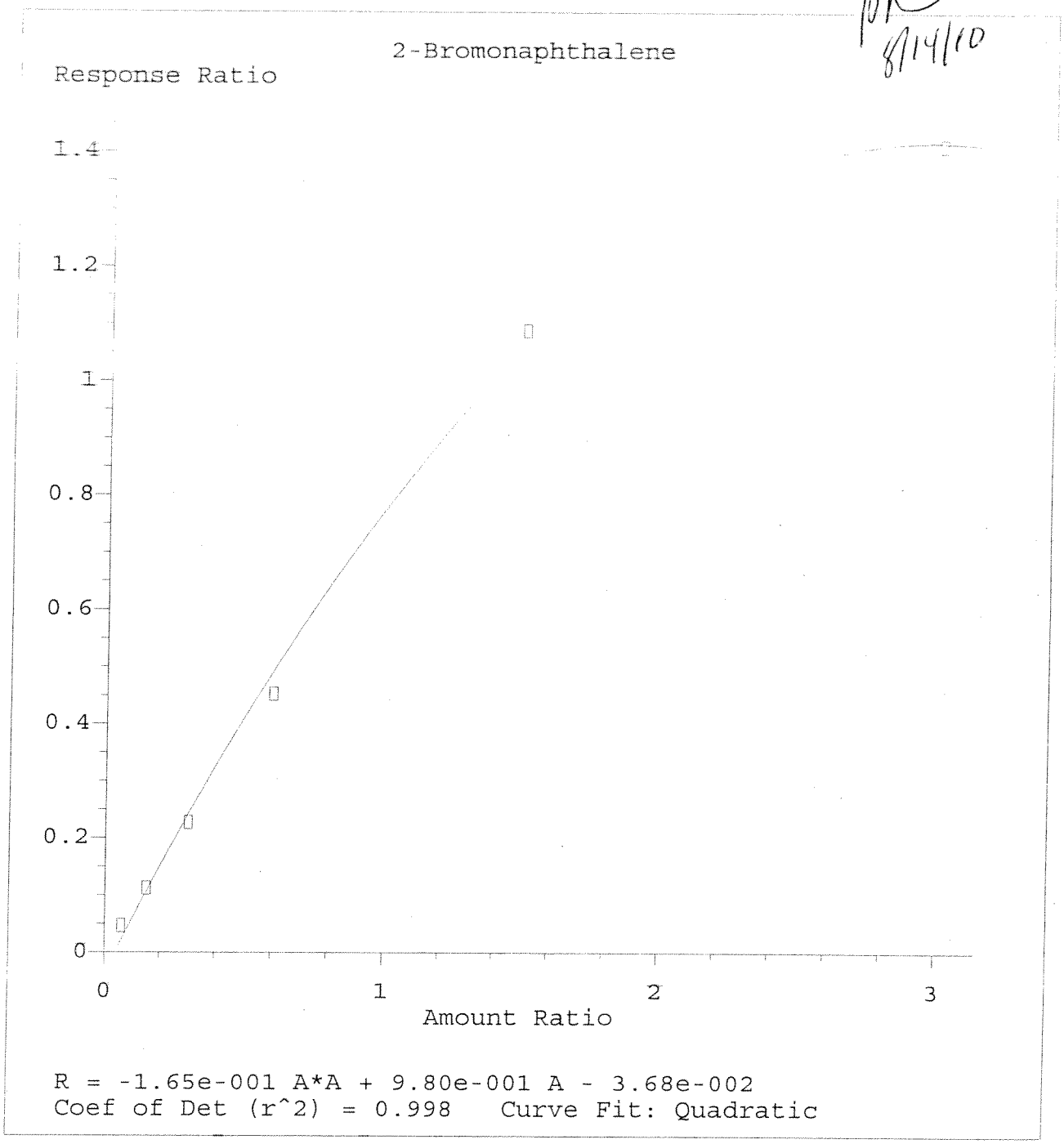
8/14/10



Method Name: C:\msdchem\1\METHODS\ARG081310.M
Calibration Table Last Updated: Sat Aug 14 06:49:22 2010

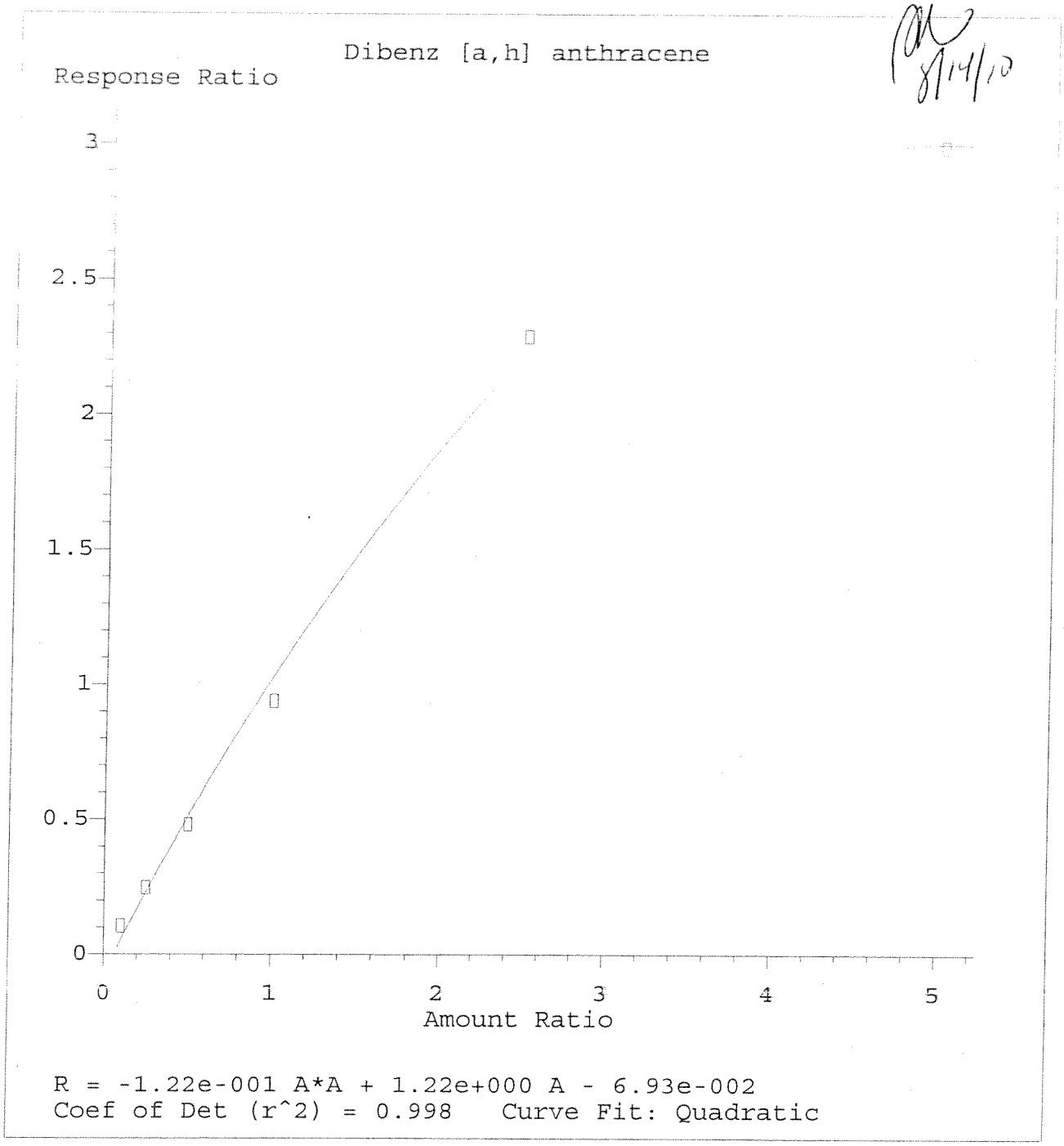
081570

8/14/10



Method Name: C:\msdchem\1\METHODS\ARG081310.M
Calibration Table Last Updated: Sat Aug 14 06:49:28 2010

JE152



8/14/10

Method Name: C:\msdchem\1\METHODS\ARG081310.M
Calibration Table Last Updated: Sat Aug 14 06:49:36 2010

J81070

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35319SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 3:16 am
Operator : MG/ALR
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:40 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.099	21611898	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.552	1251464	1.287 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	6.43%#
10) S 2-Bromonaphthalene	6.080	1016344	1.337 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	6.68%#
11) S o-terphenyl	7.602	1215065	<MDL ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
Target Compounds			
2) TZ Naphthalene	4.682	1882289	2.227 ug/ml
3) TZ 2-Methylnaphthalene	5.246	2079838	2.239 ug/ml
4) TZ Acenaphthylene	5.968	1968507	2.108 ug/ml
5) TZ Acenaphthene	6.109	2321712	2.209 ug/ml
6) TZ Fluorene	6.527	2317579	2.189 ug/ml
7) TZ Phenanthrene	7.295	2432122	2.304 ug/ml
8) TZ Anthracene	7.337	2346259	2.205 ug/ml
12) TZ Fluoranthene	8.266	2623092	2.162 ug/ml
13) TZ Pyrene	8.467	2742010	2.139 ug/ml
14) TZ Benzo[a]anthracene	9.784	2538254	2.042 ug/ml
15) TZ Chrysene	9.831	2622456	2.131 ug/ml
16) TZ Benzo[b] fluoranthene	11.314	2381484	2.141 ug/ml
17) TZ Benzo[k] fluoranthene	11.358	2490837	2.158 ug/ml
18) TZ Benzo[a] pyrene	11.805	2362062	2.262 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.576	1951940	2.415 ug/ml
20) TZ Dibenz [a,h] anthracene	13.648	2283582	2.473 ug/ml
21) TZ Benzo(g,h,i) perylene	13.982	2252882	2.460 ug/ml
22) XH c11-c22	12.565	63248771	60.189 ug/ml

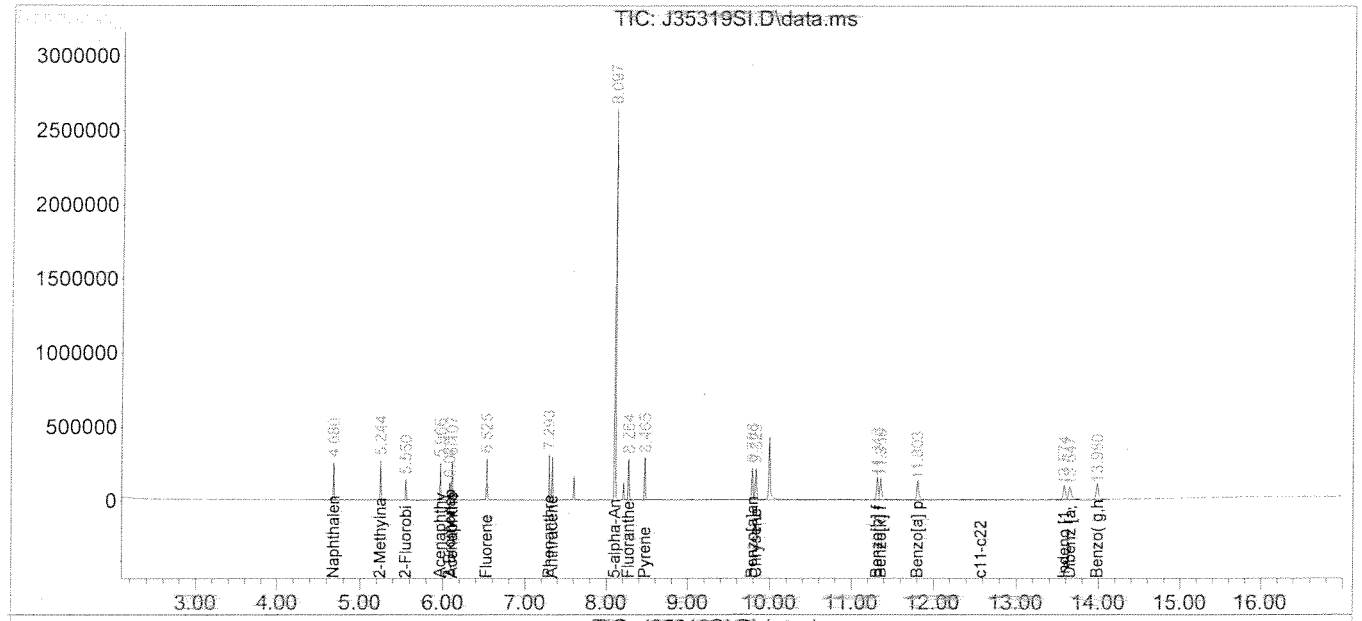
(f)=RT Delta > 1/2 Window

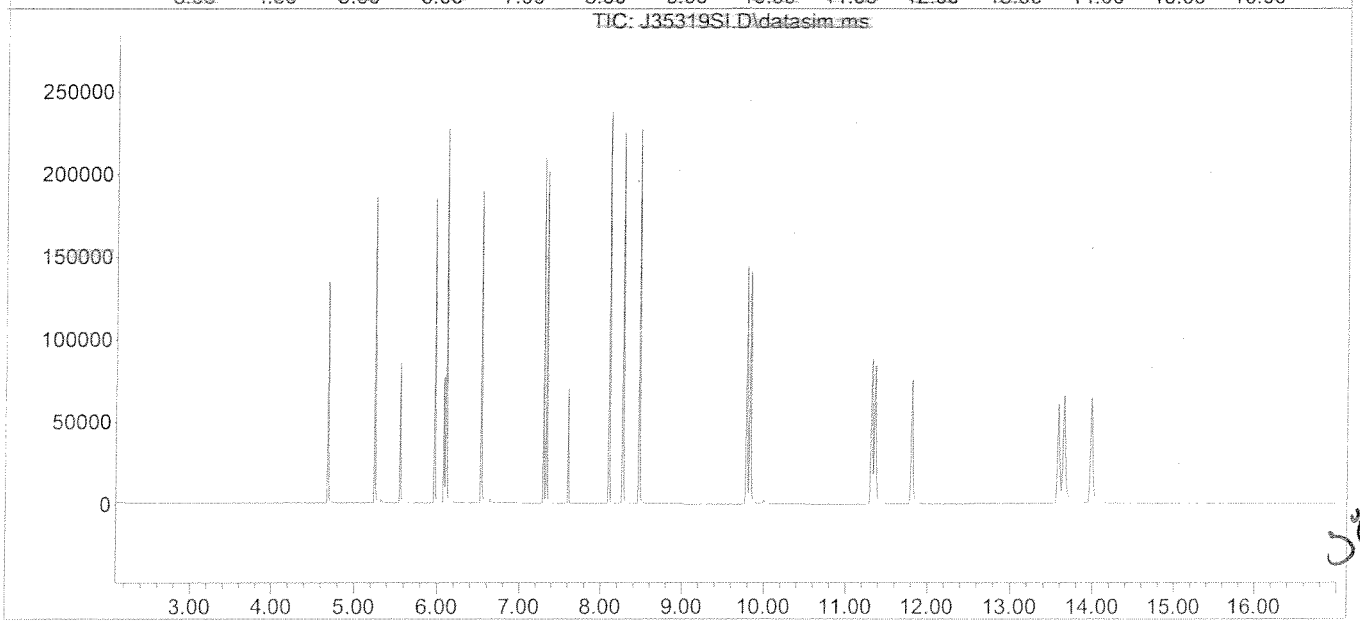
(m)=manual int

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35319SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 3:16 am
Operator : MG/ALR
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:40 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





8/14/10

J81320

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35320SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 3:39 am
Operator : MG/ALR
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:41 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.099	21507353	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.551	3122786	3.226 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	16.13%#
10) S 2-Bromonaphthalene	6.079	2420343	3.200 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	16.00%#
11) S o-terphenyl	7.602	2781732	2.111 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	10.56%#
Target Compounds			
2) TZ Naphthalene	4.682	4527734	5.382 ug/ml
3) TZ 2-Methylnaphthalene	5.246	4947840	5.352 ug/ml
4) TZ Acenaphthylene	5.968	4727209	5.087 ug/ml
5) TZ Acenaphthene	6.110	5322188	5.089 ug/ml
6) TZ Fluorene	6.527	5335631	5.064 ug/ml
7) TZ Phenanthrene	7.296	5769938	5.492 ug/ml
8) TZ Anthracene	7.338	5359285	5.062 ug/ml
12) TZ Fluoranthene	8.266	6203952	5.138 ug/ml
13) TZ Pyrene	8.467	6429362	5.040 ug/ml
14) TZ Benzo[a]anthracene	9.787	6016406	4.865 ug/ml
15) TZ Chrysene	9.832	6104471	4.984 ug/ml
16) TZ Benzo[b] fluoranthene	11.318	5541168	5.005 ug/ml
17) TZ Benzo[k] fluoranthene	11.361	5687990	4.952 ug/ml
18) TZ Benzo[a] pyrene	11.809	5516254	5.308 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.581	4660671	5.794 ug/ml
20) TZ Dibenz [a,h] anthracene	13.651	5332722	5.804 ug/ml
21) TZ Benzo(g,h,i) perylene	13.988	5259735	5.772 ug/ml
22) XH c11-c22	12.565	117295171	112.163 ug/ml

081320

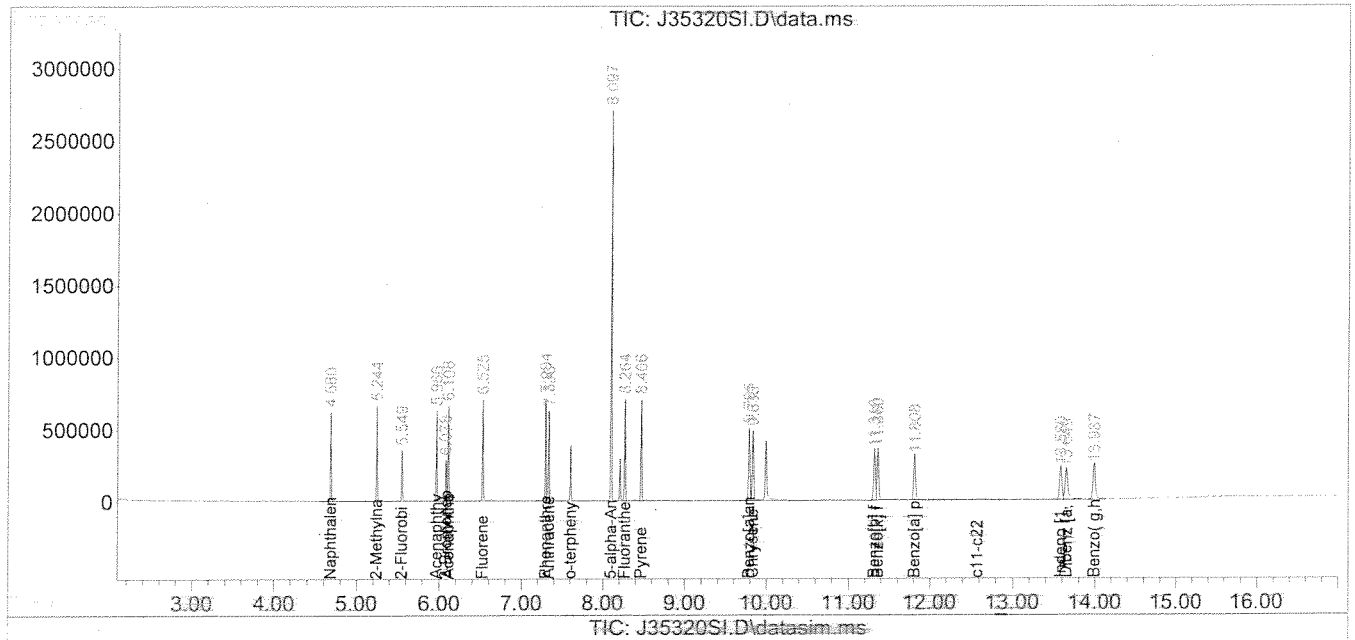
(f)=RT Delta > 1/2 Window (m)=manual int.

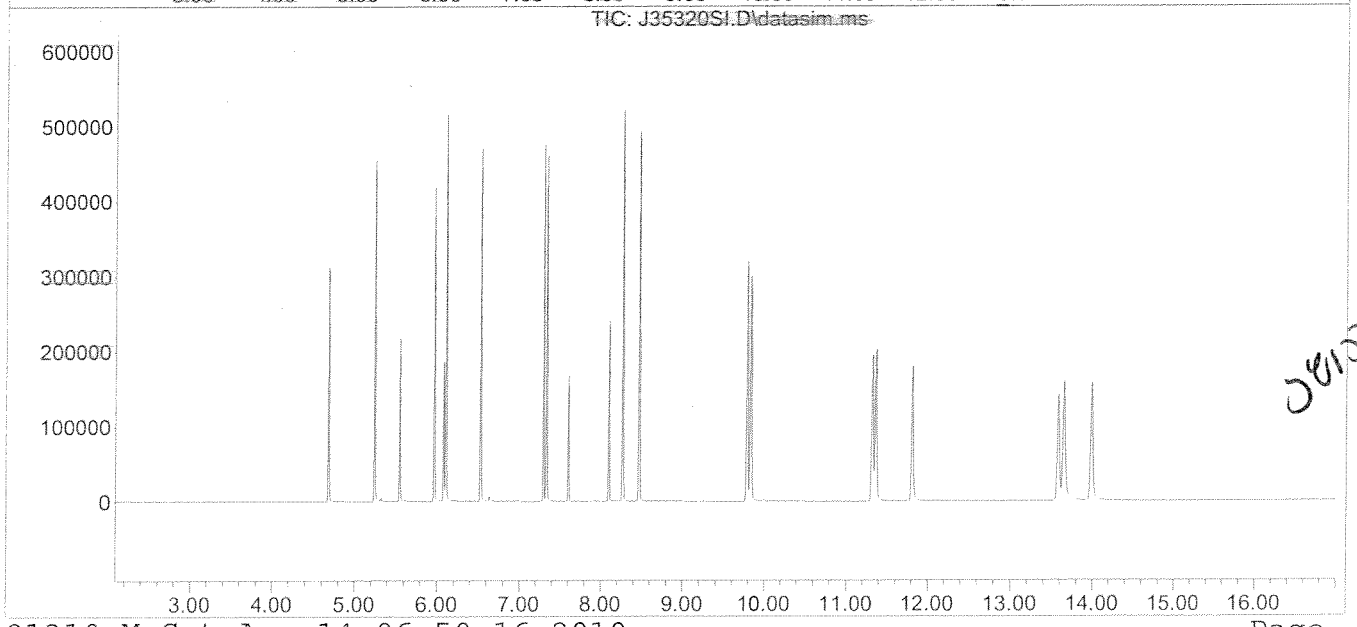
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35320SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 3:39 am
Operator : MG/ALR
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:41 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J81310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35321SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 4:02 am
Operator : MG/ALR
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:42 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.100	21039600	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.551	5873971	6.203 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	31.02%#
10) S 2-Bromonaphthalene	6.080	4785891	6.468 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	32.34%#
11) S o-terphenyl	7.603	5235373	4.061 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	20.31%#
Target Compounds			
2) TZ Naphthalene	4.682	8970306	10.900 ug/ml
3) TZ 2-Methylnaphthalene	5.246	9389197	10.381 ug/ml
4) TZ Acenaphthylene	5.968	9283109	10.212 ug/ml
5) TZ Acenaphthene	6.111	10162510	9.932 ug/ml
6) TZ Fluorene	6.527	10405769	10.096 ug/ml
7) TZ Phenanthrene	7.297	10817647	10.526 ug/ml
8) TZ Anthracene	7.340	10043732	9.697 ug/ml
12) TZ Fluoranthene	8.268	11916993	10.089 ug/ml
13) TZ Pyrene	8.469	12247380	9.813 ug/ml
14) TZ Benzo[a]anthracene	9.789	11443087	9.458 ug/ml
15) TZ Chrysene	9.835	11705028	9.770 ug/ml
16) TZ Benzo[b] fluoranthene	11.323	10707502	9.887 ug/ml
17) TZ Benzo[k] fluoranthene	11.367	10925780	9.724 ug/ml
18) TZ Benzo[a] pyrene	11.814	10573233	10.401 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.590	8995544	11.432 ug/ml
20) TZ Dibenz [a,h] anthracene	13.658	10099662	11.236 ug/ml
21) TZ Benzo(g,h,i) perylene	13.999	9960606	11.174 ug/ml
22) XH c11-c22	12.565	204589848	199.988 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int

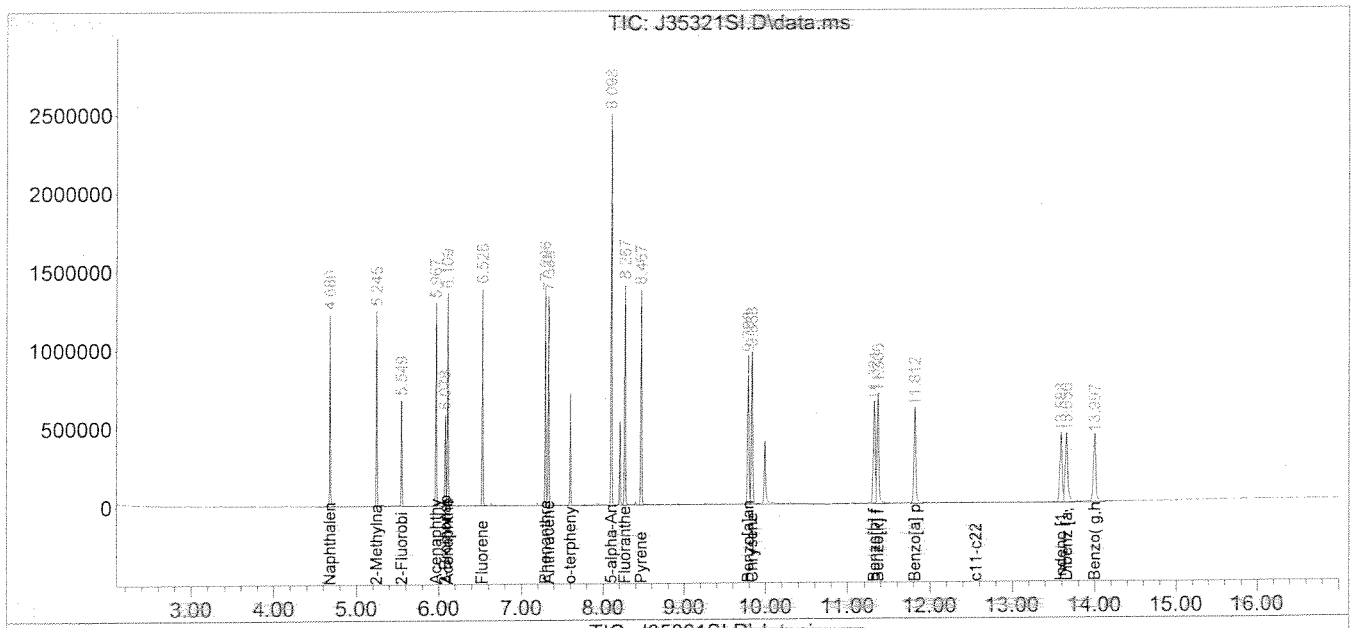
581570

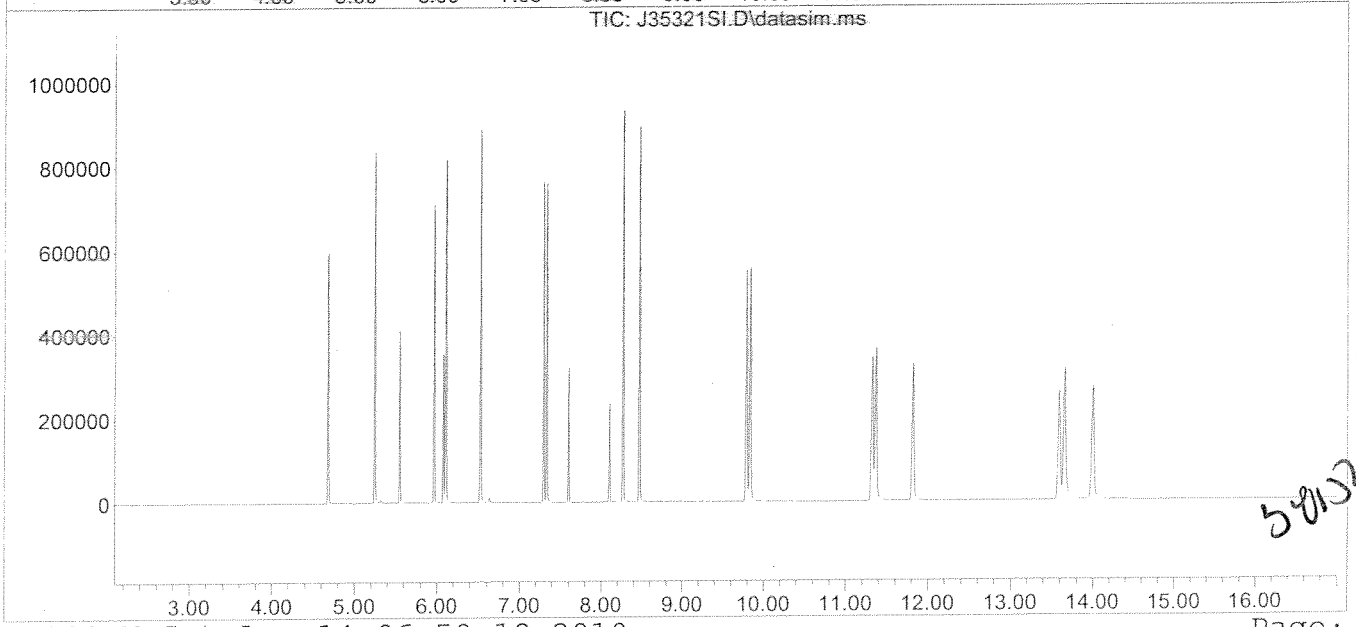
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35321SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 4:02 am
Operator : MG/ALR
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:42 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

a 8/14/10





581320

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35322SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 4:25 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:43 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.099	22359161	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.553	12437202	12.358 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	61.79%
10) S 2-Bromonaphthalene	6.081	10121384	12.871 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.36%
11) S o-terphenyl	7.604	11060120	8.072 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	40.36%
Target Compounds			
2) TZ Naphthalene	4.683	18765485	21.457 ug/ml
3) TZ 2-Methylnaphthalene	5.249	20046379	20.857 ug/ml
4) TZ Acenaphthylene	5.970	19728039	20.422 ug/ml
5) TZ Acenaphthene	6.112	21765308	20.017 ug/ml
6) TZ Fluorene	6.530	22282537	20.344 ug/ml
7) TZ Phenanthrene	7.299	22603175	20.695 ug/ml
8) TZ Anthracene	7.342	21830627	19.833 ug/ml
12) TZ Fluoranthene	8.271	25406788	20.241 ug/ml
13) TZ Pyrene	8.473	26496622	19.978 ug/ml
14) TZ Benzo[a]anthracene	9.795	24627773	19.155 ug/ml
15) TZ Chrysene	9.844	24895818	19.553 ug/ml
16) TZ Benzo[b] fluoranthene	11.332	22607953	19.643 ug/ml
17) TZ Benzo[k] fluoranthene	11.380	22748058	19.052 ug/ml
18) TZ Benzo[a] pyrene	11.826	22351039	20.689 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.606	19242821	23.012 ug/ml
20) TZ Dibenz [a,h] anthracene	13.674	21007861	21.992 ug/ml
21) TZ Benzo(g,h,i) perylene	14.017	20722523	21.874 ug/ml
22) XH c11-c22	12.565	410321842	377.421 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int

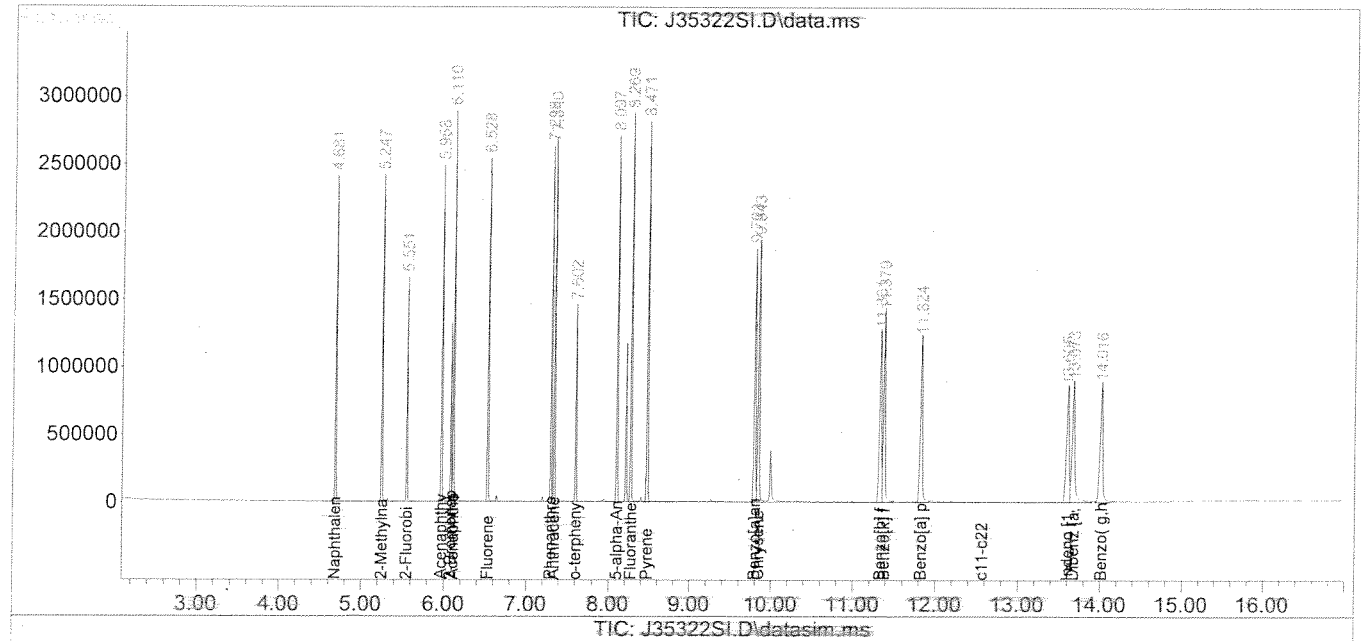
381520

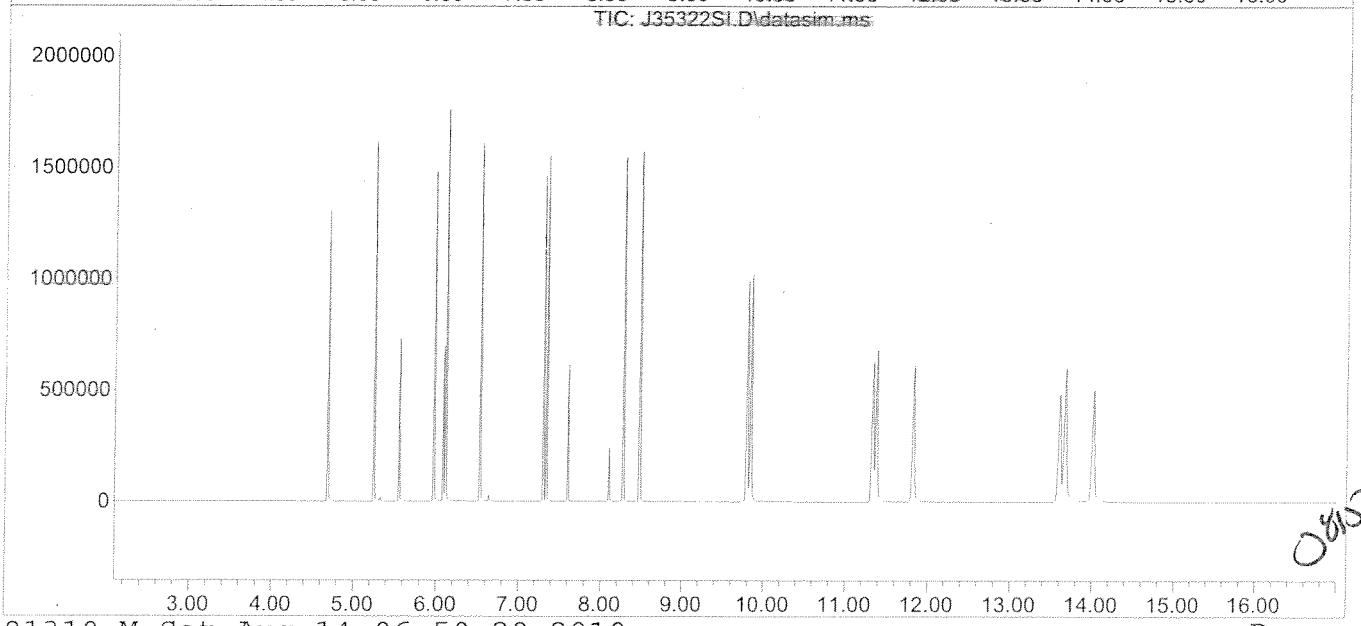
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35322SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 4:25 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:43 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





08320

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35323SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 4:48 am
Operator : MG/ALR
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:44 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.098	19848586	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.554	26526822	29.693 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery = 148.47%#	
10) S 2-Bromonaphthalene	6.084	21607856	30.953 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery = 154.76%#	
11) S o-terphenyl	7.605	23323124	19.175 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery = 95.88%	
Target Compounds			
2) TZ Naphthalene	4.687	39721597	51.163 ug/ml
3) TZ 2-Methylnaphthalene	5.252	41174030	48.257 ug/ml
4) TZ Acenaphthylene	5.974	41344200	48.211 ug/ml
5) TZ Acenaphthene	6.117	45268985	46.899 ug/ml
6) TZ Fluorene	6.534	46941802	48.279 ug/ml
7) TZ Phenanthrene	7.304	46817317	48.287 ug/ml
8) TZ Anthracene	7.346	45575687	46.642 ug/ml
12) TZ Fluoranthene	8.277	53546440	48.054 ug/ml
13) TZ Pyrene	8.479	56340871	47.852 ug/ml
14) TZ Benzo[a]anthracene	9.804	52900718	46.348 ug/ml
15) TZ Chrysene	9.856	52401819	46.362 ug/ml
16) TZ Benzo[b] fluoranthene	11.346	48902145	47.864 ug/ml
17) TZ Benzo[k] fluoranthene	11.400	48840982	46.078 ug/ml
18) TZ Benzo[a] pyrene	11.846	48097629	50.151 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.631	43197940	58.194 ug/ml
20) TZ Dibenz [a,h] anthracene	13.701	45455539	53.604 ug/ml
21) TZ Benzo(g,h,i) perylene	14.048	46064496	54.775 ug/ml
22) XH c11-c22	12.565	853939254	884.819 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

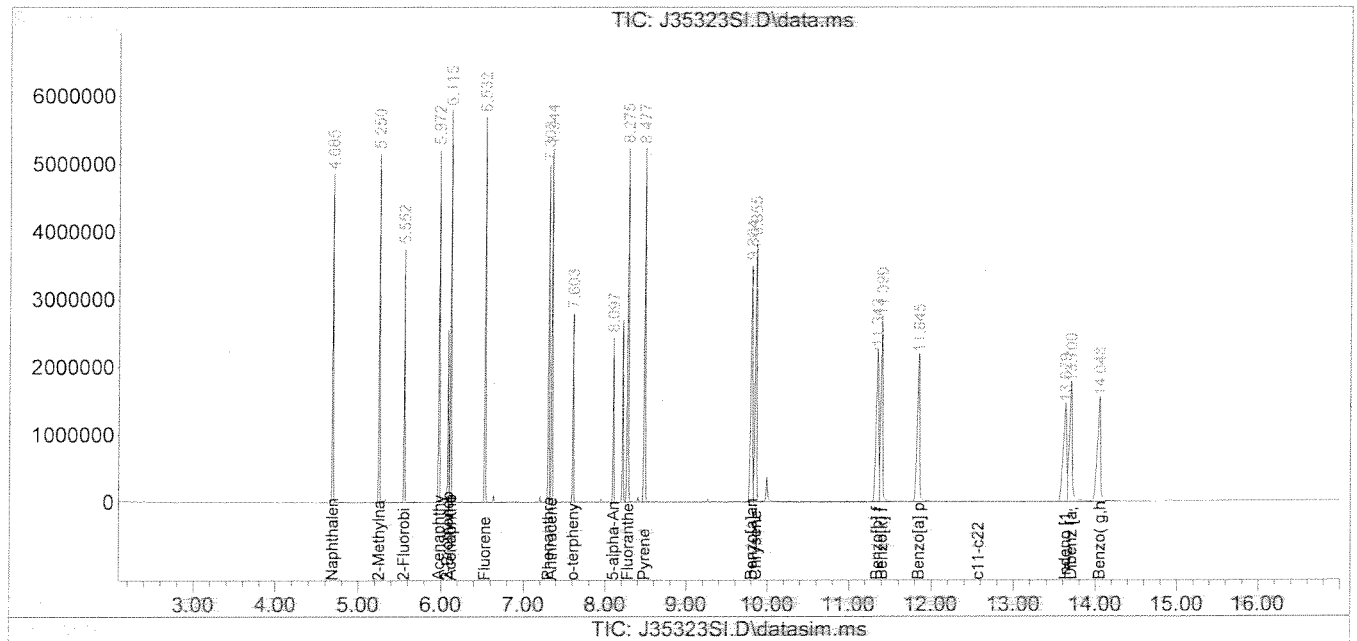
081570

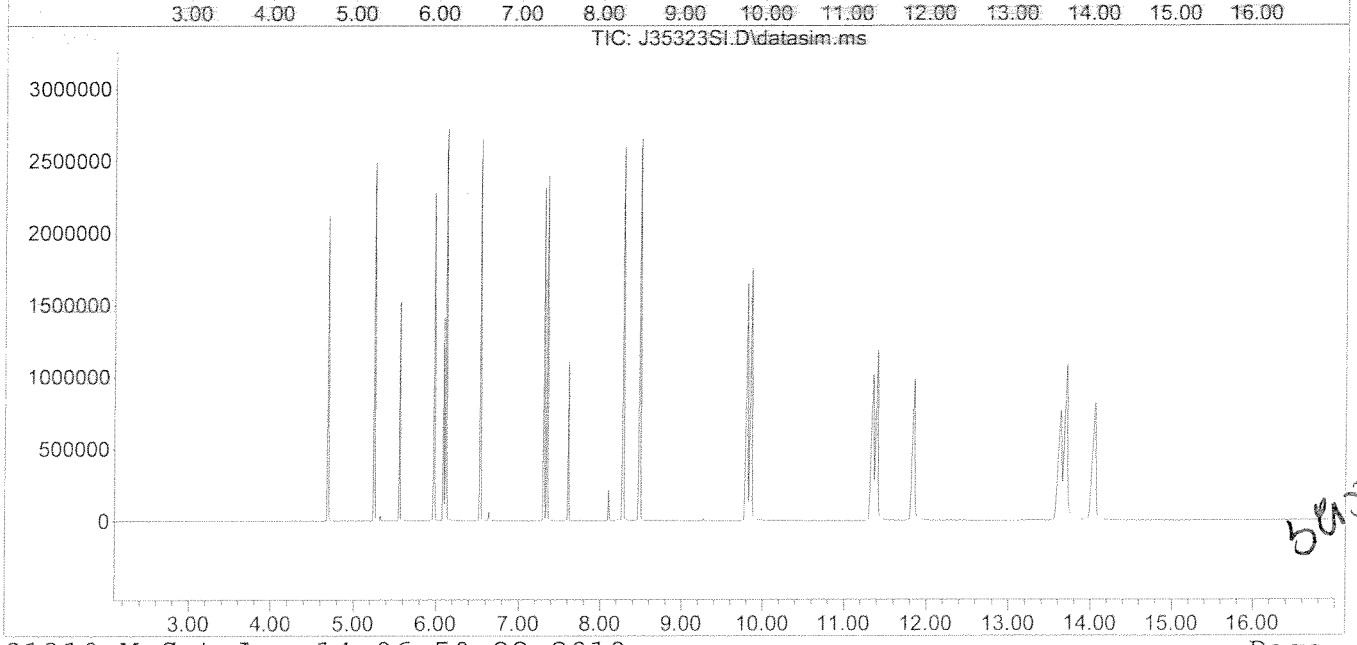
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35323SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 4:48 am
Operator : MG/ALR
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:44 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





58020

Integration Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:37:40 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.099	20152380	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.557	47198751	52.036 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery = 260.18%#	
10) S 2-Bromonaphthalene	6.088	28464557	40.160 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery = 200.80%#	
11) S o-terphenyl	7.608	44404099	35.956 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery = 179.78%#	
Target Compounds			
2) TZ Naphthalene	4.691	65764097	83.431 ug/ml
3) TZ 2-Methylnaphthalene	5.256	67482673	77.899 ug/ml
4) TZ Acenaphthylene	5.979	69809276	80.177 ug/ml
5) TZ Acenaphthene	6.123	61011162	62.255 ug/ml
6) TZ Fluorene	6.538	62208940	63.017 ug/ml
7) TZ Phenanthrene	7.310	85874480	87.235 ug/ml
8) TZ Anthracene	7.354	82498008	83.156 ug/ml
12) TZ Fluoranthene	8.285	100259633	88.620 ug/ml
13) TZ Pyrene	8.490	105277215	88.067 ug/ml
14) TZ Benzo[a]anthracene	9.819	101052760	87.202 ug/ml
15) TZ Chrysene	9.872	96557997	84.141 ug/mlm
16) TZ Benzo[b] fluoranthene	✓11.369	95123191	91.699 ug/ml
17) TZ Benzo[k] fluoranthene	11.427	93766434	87.129 ug/mlm
18) TZ Benzo[a] pyrene	11.874	93449902	95.971 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.694	99531089	132.061 ug/ml
20) TZ Dibenz [a,h] anthracene	13.737	60302166	70.040 ug/mlm
21) TZ Benzo(g,h,i) perylene	14.088	82422289	96.530 ug/ml
22) XH c11-c22	12.565	1512500257	1543.570 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int

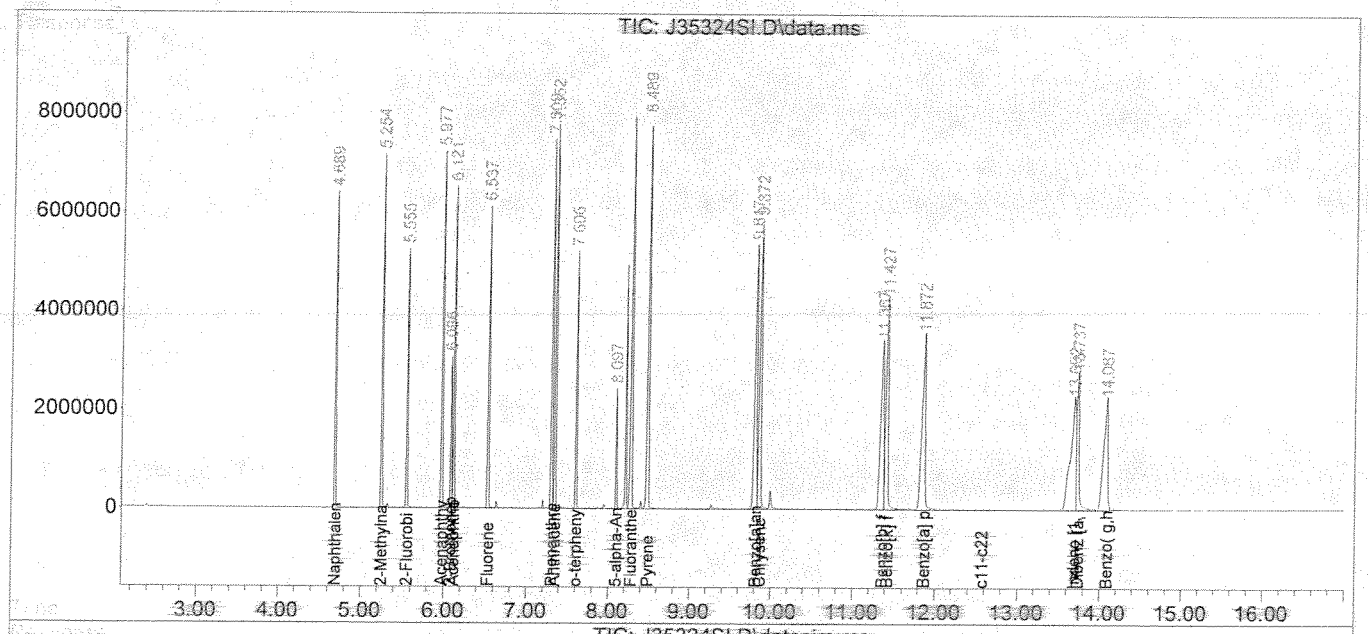
081520

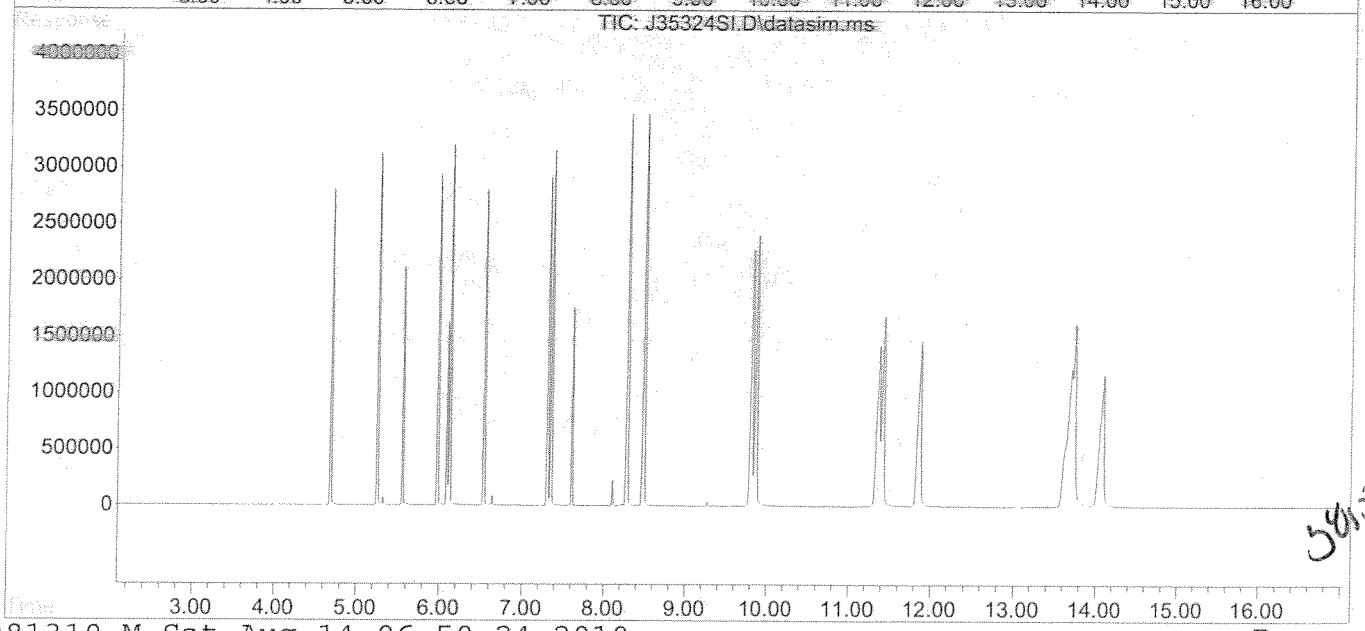
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:37:40 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





38,520

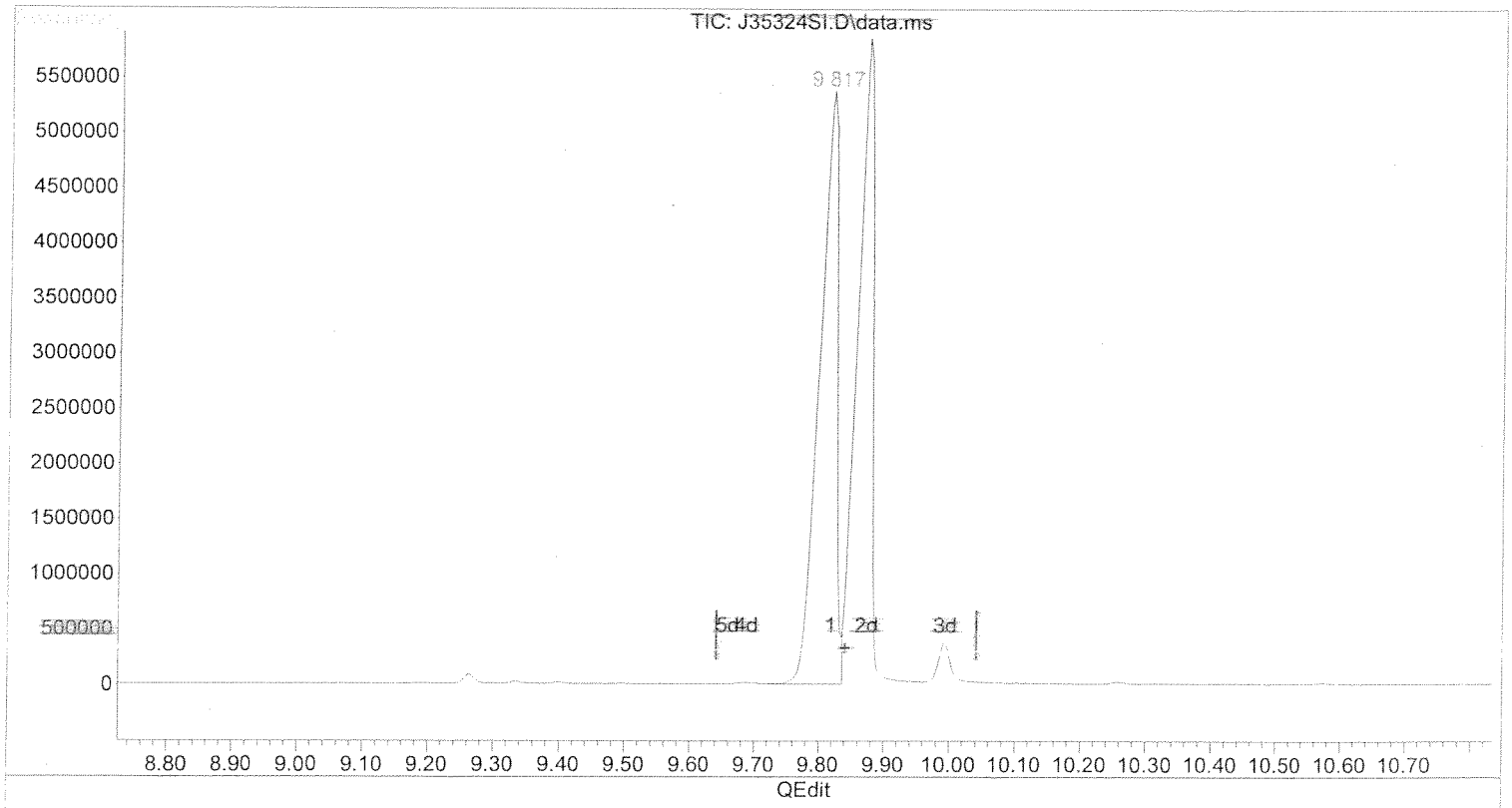
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:45 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

WP



(15) Chrysene (TZ)
9.819min 88.058ug/ml
response 101052760

081520

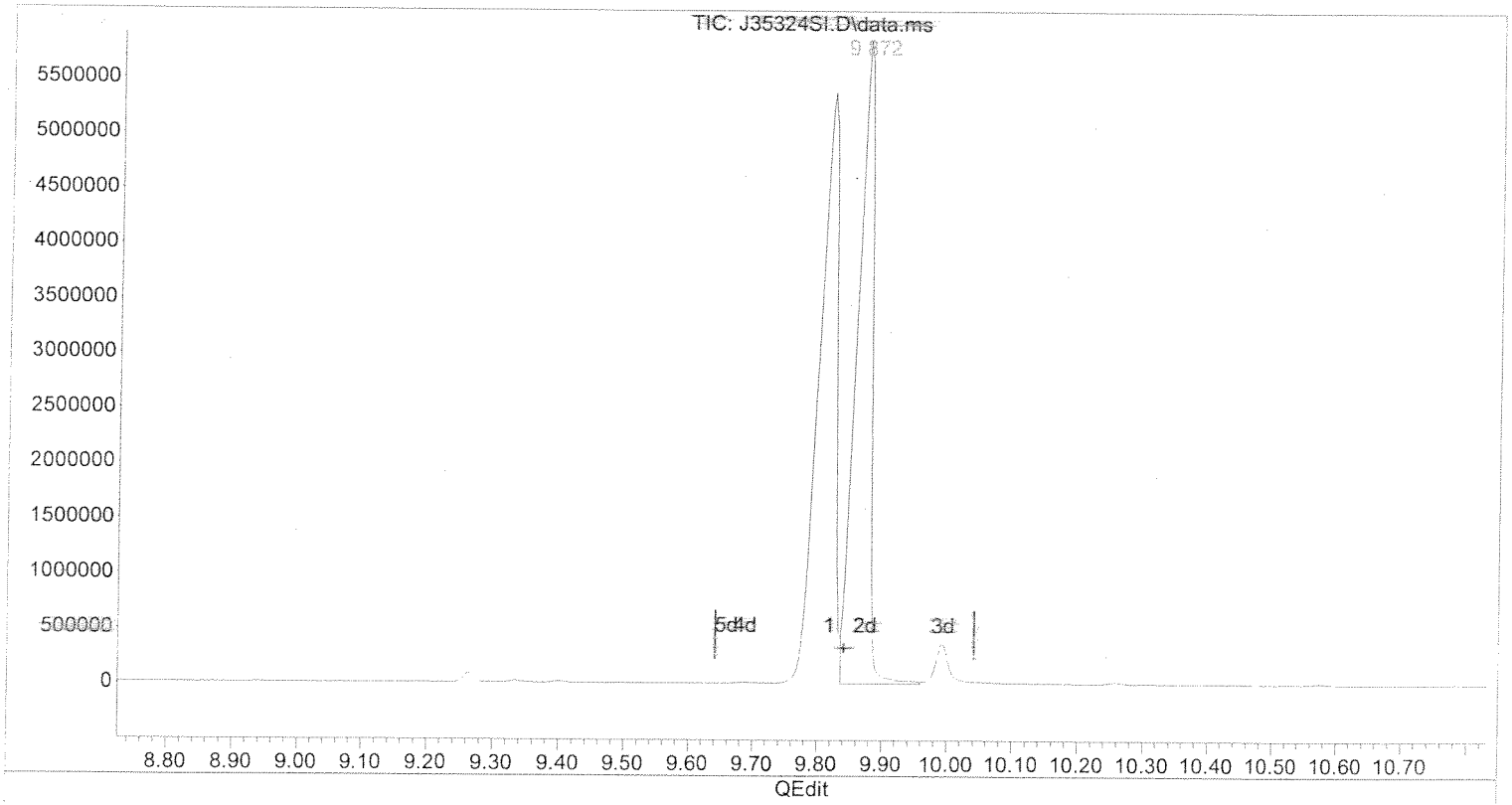
(+) = Expected Retention Time
ARG081310.M Sat Aug 14 06:36:22 2010

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:45 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) Chrysene (TZ)
9.872min 84.141ug/ml m
response 96557997

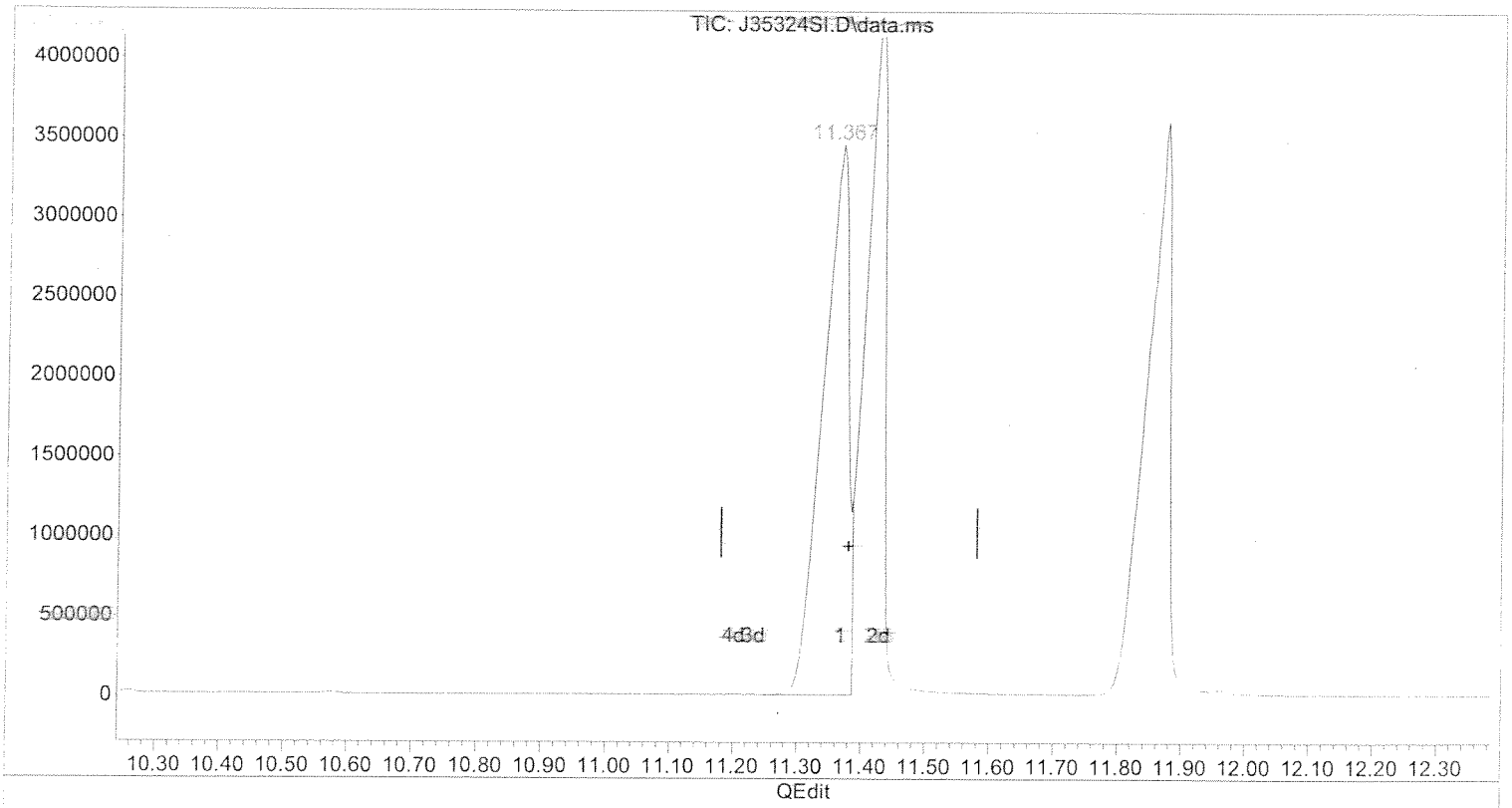
34,570

(+) = Expected Retention Time
ARG081310.M Sat Aug 14 06:36:29 2010

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:45 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) Benzo[k] fluoranthene (TZ)
11.369min 88.389ug/ml
response 95123191

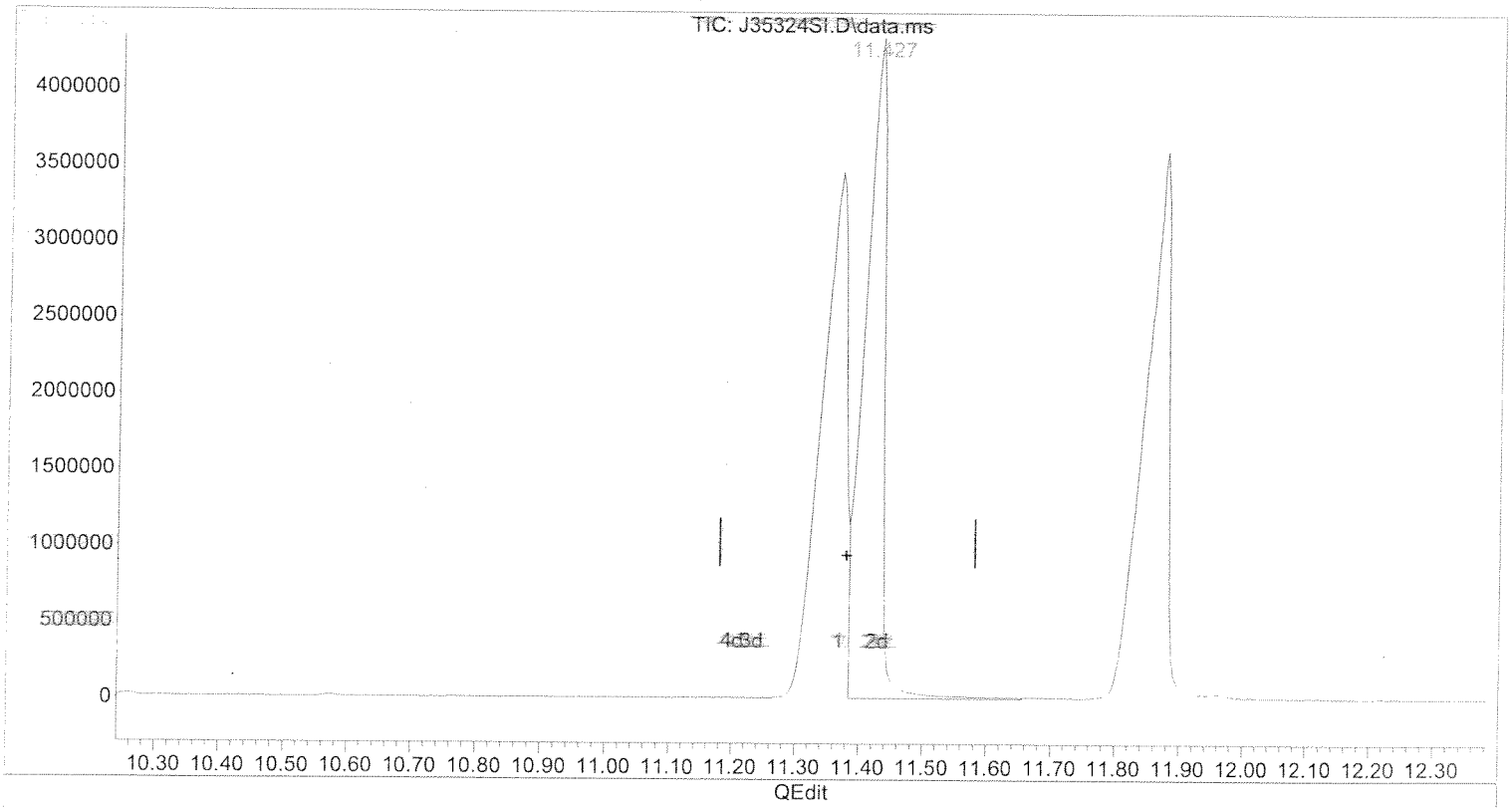
(+) = Expected Retention Time
ARG081310.M Sat Aug 14 06:36:34 2010

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:45 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

MR
8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) Benzo[k] fluoranthene (TZ)
11.427min 87.129ug/ml m
response 93766434

341520

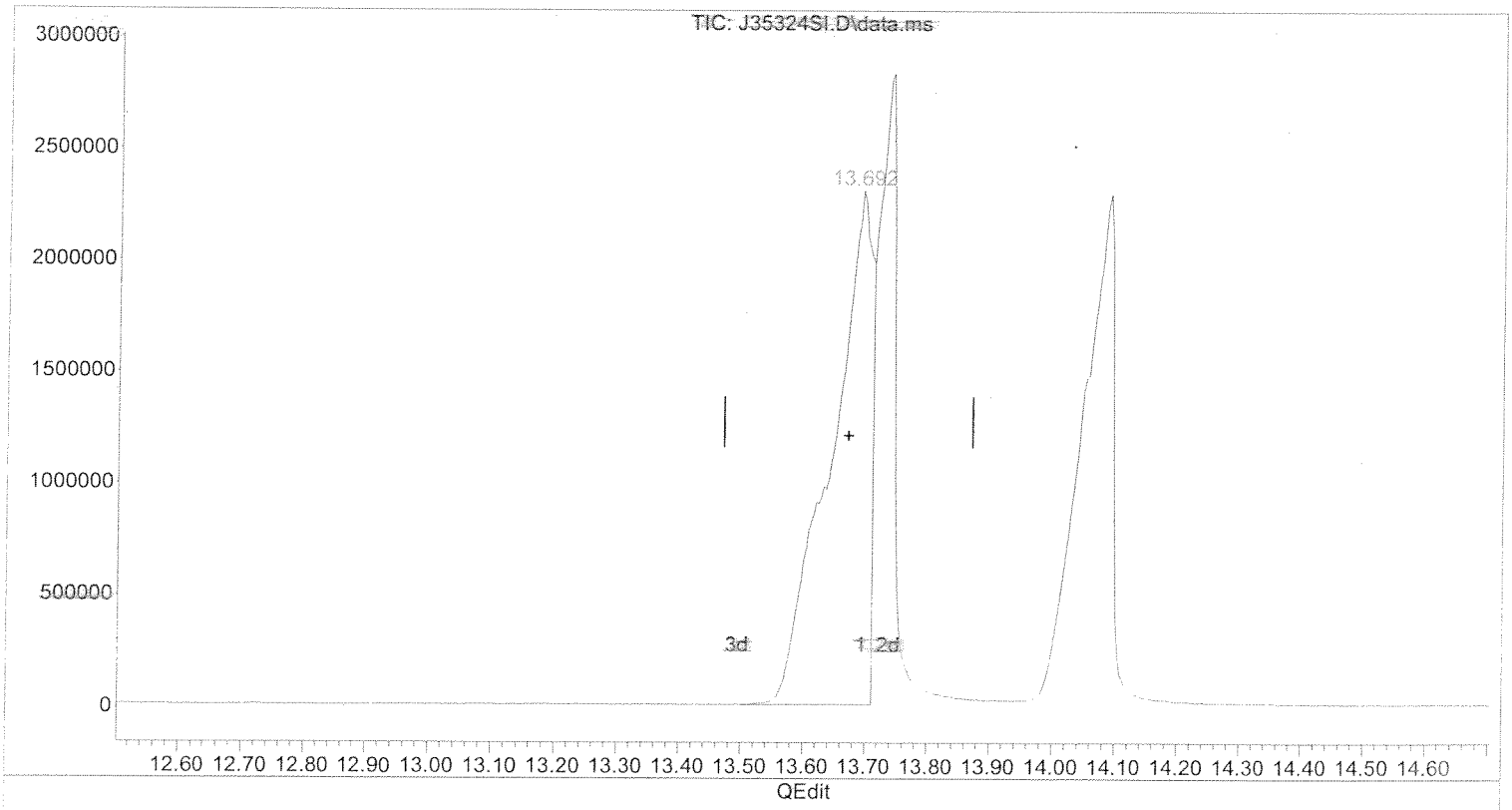
(+) = Expected Retention Time
ARG081310.M Sat Aug 14 06:36:42 2010

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:45 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

MR 8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



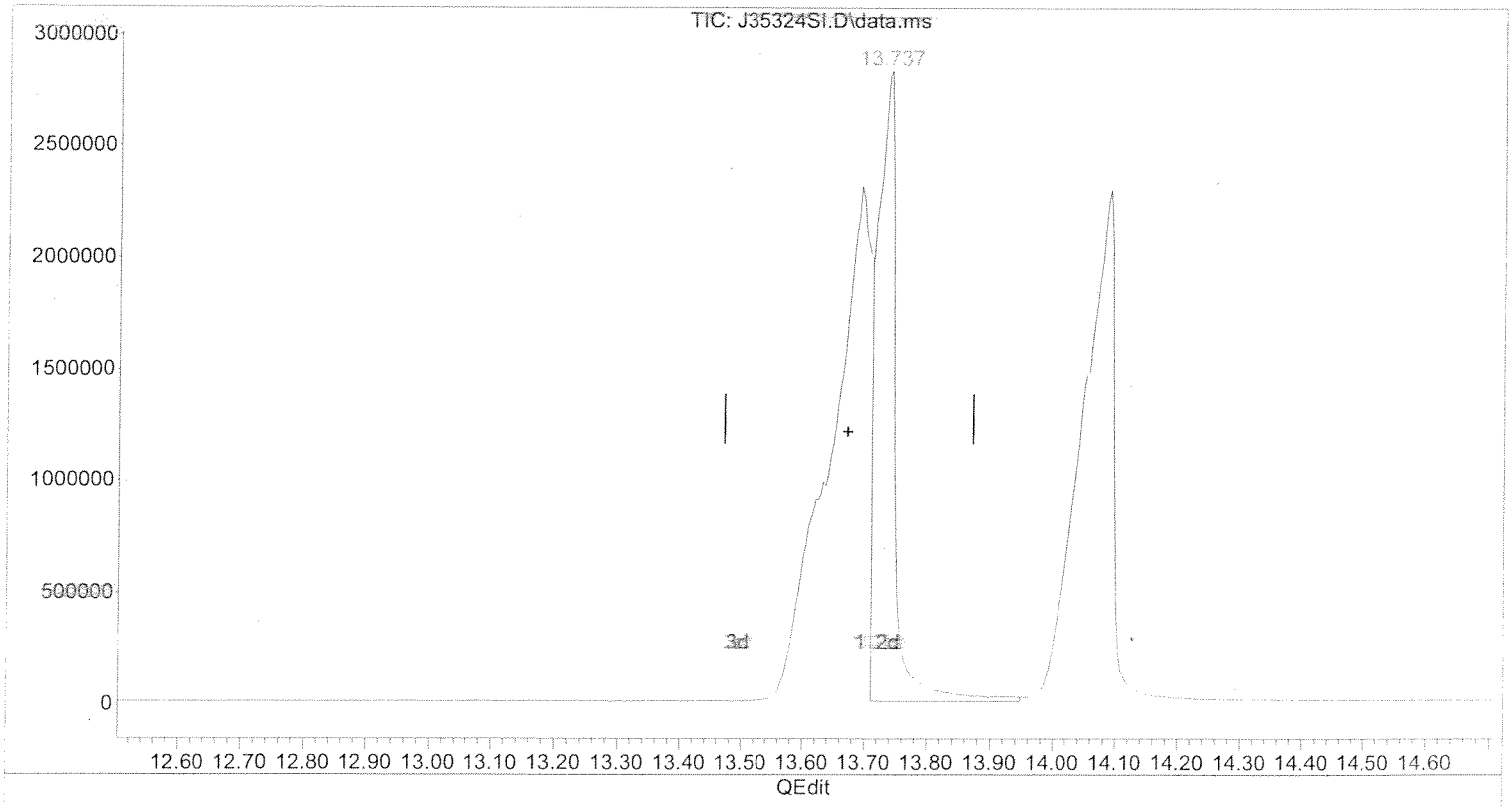
(20) Dibenz [a,h] anthracene (TZ)
13.694min 115.604ug/ml
response 99531089

(+) = Expected Retention Time
ARG081310.M Sat Aug 14 06:37:36 2010

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:45 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) Dibenz [a,h] anthracene (TZ)
13.737min 70.040ug/ml m
response 60302166

(+) = Expected Retention Time
ARG081310.M Sat Aug 14 06:37:44 2010

GC AROMATIC
2ND SOURCE
CHECK

Data File Name J35325.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/14/2010 5:33

8/14/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.90	20	109%	OK	21.90		
2-Methylnaphthalene	21.30	20	106%	OK	21.30		
Acenaphthylene	21.63	20	108%	OK	21.63		
Acenaphthene	19.90	20	99%	OK	19.90		
Fluorene	19.24	20	96%	OK	19.24		
Phenanthrene	21.35	20	107%	OK	21.35		
Anthracene	21.30	20	107%	OK	21.30		
Fluoranthene	21.39	20	107%	OK	21.39		
Pyrene	20.58	20	103%	OK	20.58		
Benzo[a]anthracene	20.21	20	101%	OK	20.21		
Chrysene	20.65	20	103%	OK	20.65		
Benzo[b] fluoranthene	19.76	20	99%	OK	19.76		
Benzo[k] fluoranthene	19.73	20	99%	OK	19.73		
Benzo[a] pyrene	20.29	20	101%	OK	20.29		
Indeno [1,2,3-cd] pyrene	19.24	20	96%	OK	19.24		
Dibenz [a,h] anthracene	18.07	20	90%	OK	18.07		
Benzo(g,h,i) perylene	19.40	20	97%	OK	19.40		
c11-c22		340			**345.94**	102%	OK
o-terphenyl	19.40	20	97%	OK			

SUION

8/14/2010 6:51 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG ICV SUMPRCT.CRT

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35325.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:33 am
Operator : MG/ALR
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:50:35 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

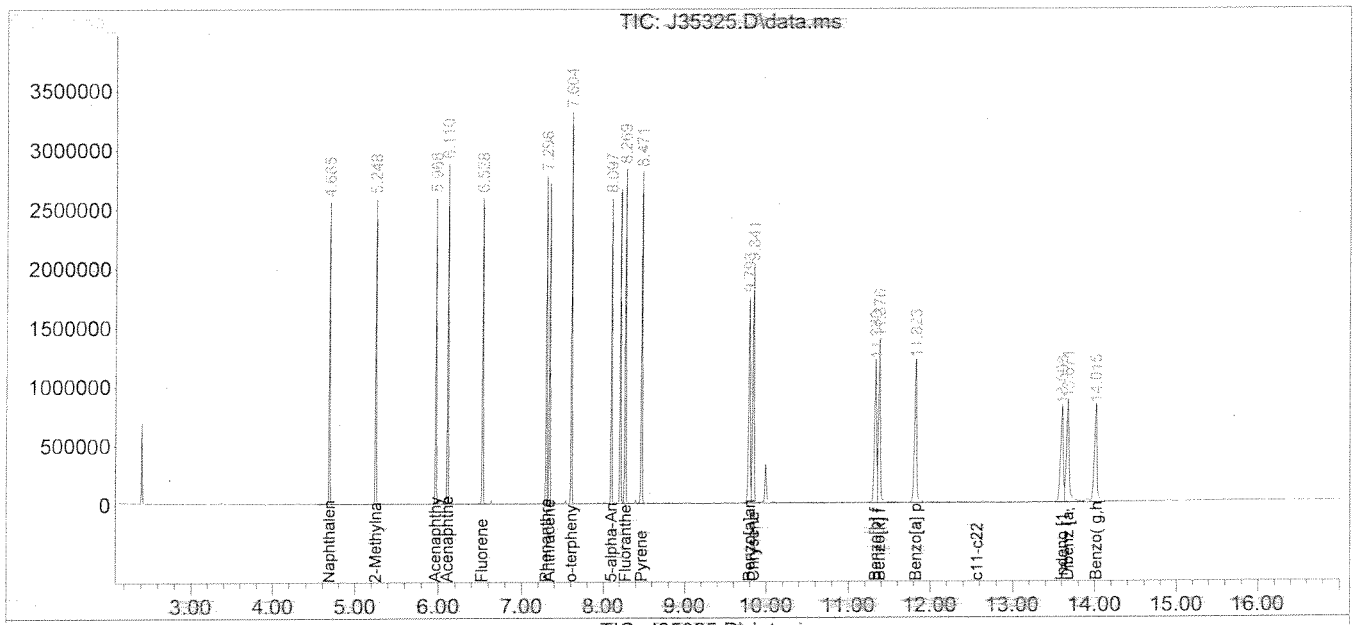
Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.099	21822311	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.554	66618	<MDL ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
10) S 2-Bromonaphthalene	6.054	3996	<MDL ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
11) S o-terphenyl	7.605	26301789	19.397 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	96.98%
Target Compounds			
2) TZ Naphthalene	4.687	19343710	21.895 ug/ml
3) TZ 2-Methylnaphthalene	5.250	20029516	21.299 ug/ml
4) TZ Acenaphthylene	5.970	19985890	21.631 ug/ml
5) TZ Acenaphthene	6.112	22505007	19.899 ug/ml
6) TZ Fluorene	6.529	22531448	19.236 ug/ml
7) TZ Phenanthrene	7.299	23428319	21.353 ug/ml
8) TZ Anthracene	7.341	22280047	21.305 ug/ml
12) TZ Fluoranthene	8.270	26106588	21.392 ug/ml
13) TZ Pyrene	8.472	26174126	20.579 ug/ml
14) TZ Benzo[a]anthracene	9.794	24076180	20.208 ug/ml
15) TZ Chrysene	9.843	24739741	20.646 ug/ml
16) TZ Benzo[b] fluoranthene	11.330	21890586	19.763 ug/ml
17) TZ Benzo[k] fluoranthene	11.377	22179575	19.731 ug/ml
18) TZ Benzo[a] pyrene	11.823	22213513	20.290 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.603	18699077	19.241 ug/ml
20) TZ Dibenz [a,h] anthracene	13.671	20425521	18.066 ug/ml
21) TZ Benzo(g,h,i) perylene	14.014	19903762	19.404 ug/ml
22) XH c11-c22	12.565	423781056	397.692 ug/ml

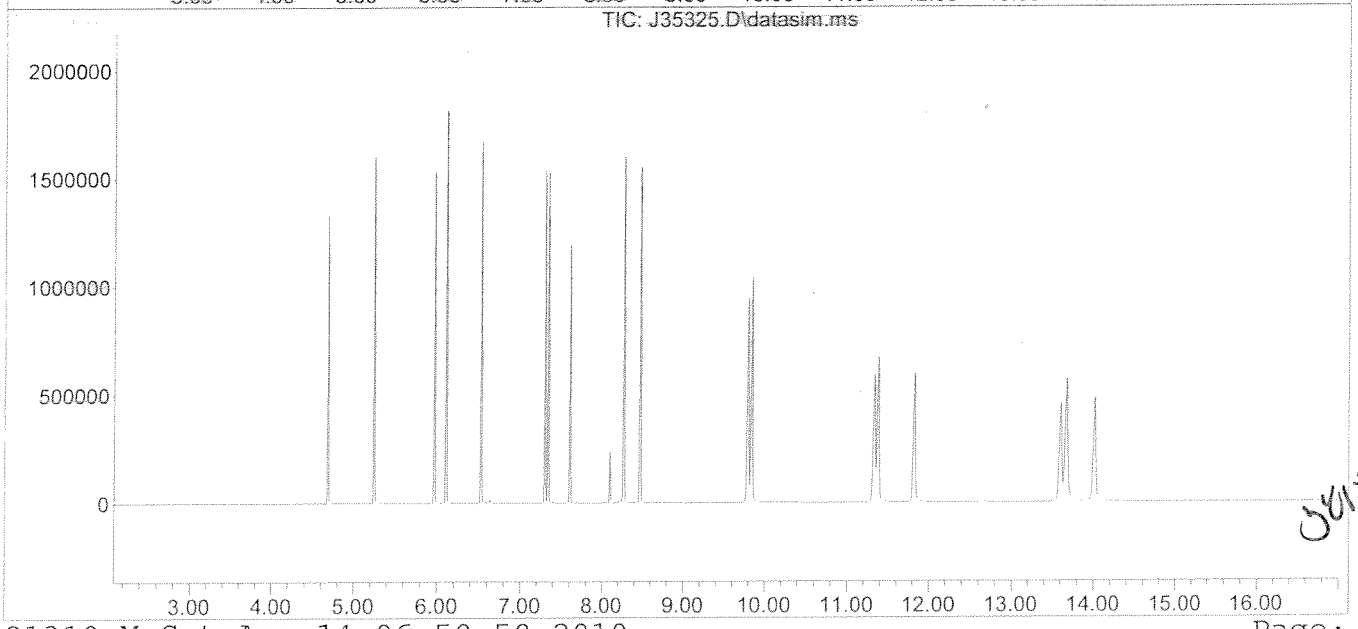
(f)=RT Delta > 1/2 Window (m)=manual int

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35325.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:33 am
Operator : MG/ALR
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:50:35 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





ARG081310.M Sat Aug 14 06:50:50 2010 Page: 2

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S9936 ALI 40
Data File ID: D71741SC.D

DR 081210

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.1	0.2	
C-10	41.8	4.5	
C-12	39.4	1.5	
C-14	38.6	3.4	
C-16	38.5	3.7	
C-18	37.8	5.6	
C-19	37.9	5.4	
C-20	38.2	4.5	
1-Chlorooctadecane	16.3	2.0	
C-22	38.3	4.3	
C-24	40.2	0.4	
C-26	43.2	8.0	
C-28	44.8	12.1	
C-30	44.7	11.8	
C-36	46.1	15.2	

C9-C18 Aliphatics	236.2	1.6	
C19-C36 Aliphatics	333.3	4.2	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 081210

EPH ALI FORM 7

Data File : D:\HPCHEM\1\DATA\081210-D\D71741SC.D
Acq On : 12 Aug 2010 10:33 am
Sample : S9936 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Aug 12 11:01 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N 081210

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.95	10504530	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.03	10522374	16.323 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	81.62%
Target Compounds			
2) TZM C-9	4.16	26136922	40.070 ug/ml
3) TZM C-10	5.13	27875743	41.789 ug/ml
4) TZM C-12	6.60	28235267	39.415 ug/ml
5) TZM C-14	7.78	28386663	38.637 ug/ml
6) TZM C-16	8.81	27305655	38.502 ug/ml
7) TZM C-18	9.72	26644882	37.772 ug/ml
8) XH C9-C18	7.53	170066707	243.822 ug/ml
9) TZM C-19	10.15	26413403	37.854 ug/ml
10) TZM C-20	10.59	26113151	38.187 ug/ml
12) TZM C-22	11.61	25938177	38.288 ug/ml
13) TZM C-24	12.93	26111877	40.158 ug/ml
14) TZM C-26	14.42	26028525	43.218 ug/ml
15) TZM C-28	15.96	23687970	44.823 ug/ml
16) TZM C-30	17.46	21271649	44.707 ug/ml
17) TZM C-36	21.53	17809046	46.061 ug/ml
18) XH C19-C36	12.05	239714563	414.205 ug/ml

J 081210

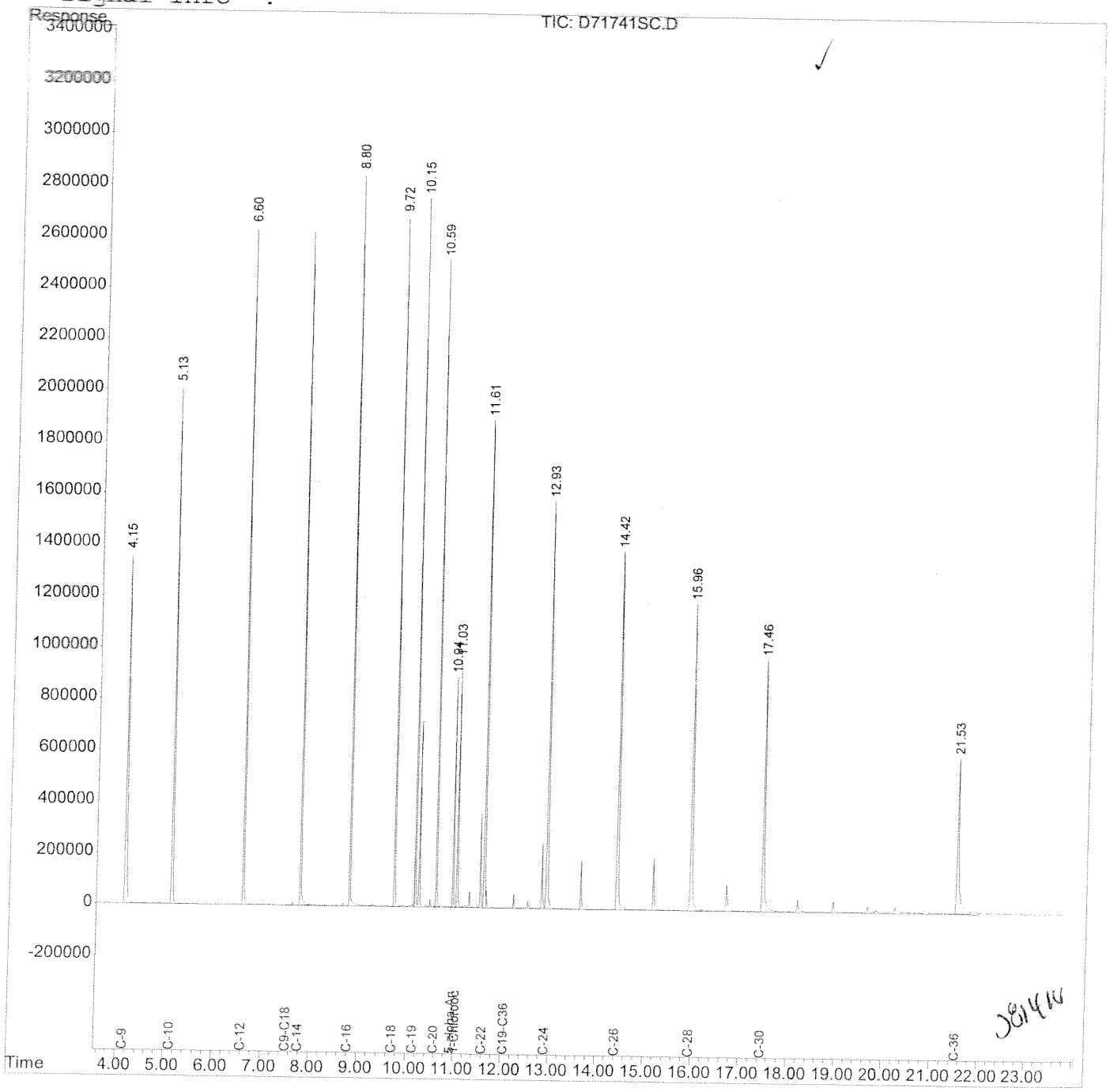
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\081210-D\D71741SC.D
Acq On : 12 Aug 2010 10:33 am
Sample : S9936 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Aug 12 11:01 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

JOI210

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S9937 ARO 20
Data File ID: D71742SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.6	2.9	
2-Methylnaphthalene	20.9	4.6	
Acenaphthylene	21.5	7.5	
Acenaphthene	21.5	7.5	
Fluorene	21.5	7.4	
Phenanthrene	22.6	13.1	
Anthracene	22.0	10.2	
2-Fluorobiphenyl	12.7	5.8	
2-Bromonaphthalene	13.1	8.9	
o-terphenyl	9.3	15.7	
Fluoranthene	22.0	9.8	
Pyrene	22.1	10.6	
Benzo[a]anthracene	22.5	12.3	
Chrysene	22.0	9.8	
Benzo[b] fluoranthene	21.0	5.0	
Benzo[k] fluoranthene	21.9	9.5	
Benzo[a] pyrene	22.1	10.7	
Indeno [1,2,3-cd] pyrene	21.7	8.7	
Dibenz [a,h] anthracene	22.3	11.7	
Benzo(g,h,i) perylene	22.0	10.0	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT
8/16/10

EPH ARO FORM 7

Data File : D:\HPCHEM\1\DATA\081210-D\D71742SC.D Vial: 3
Acq On : 12 Aug 2010 11:03 am Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 12 13:59 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

081210

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.94	95	54514	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.70	172	183125	12.70 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 63.50%		
10) 2-Bromonaphthalene	8.38	206	78100	13.07 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 65.35%		
11) o-terphenyl	10.23	230	78151	9.25 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 46.25%		

Target Compounds					Qvalue
2) Naphthalene	6.65	128	452674	20.58 ug/ml	100
3) 2-Methylnaphthalene	7.34	141	250775	20.92 ug/ml	97
4) Acenaphthylene	8.24	152	444863	21.49 ug/ml	99
5) Acenaphthene	8.41	154	248327	21.50 ug/ml	99
6) Fluorene	8.93	166	288189	21.47 ug/ml	99
7) Phenanthrene	9.88	178	409133	22.62 ug/ml	99
8) Anthracene	9.93	178	414650	22.03 ug/ml	99
12) Fluoranthene	11.23	202	413408	21.96 ug/ml#	92
13) Pyrene	11.54	202	427718	22.12 ug/ml#	91
14) Benzo[a]anthracene	13.75	228	333594	22.46 ug/ml	99
15) Chrysene	13.83	228	344345	21.96 ug/ml	99
16) Benzo[b] fluoranthene	16.09	252	274308	21.00 ug/ml#	93
17) Benzo[k] fluoranthene	16.15	252	292054	21.90 ug/ml#	94
18) Benzo[a] pyrene	16.77	252	272280	22.14 ug/ml#	93
19) Indeno [1,2,3-cd] pyrene	19.08	276	215313	21.75 ug/ml#	81
20) Dibenz [a,h] anthracene	19.13	278	226145	22.33 ug/ml#	87
21) Benzo(g,h,i) perylene	19.58	276	241685	22.00 ug/ml#	78

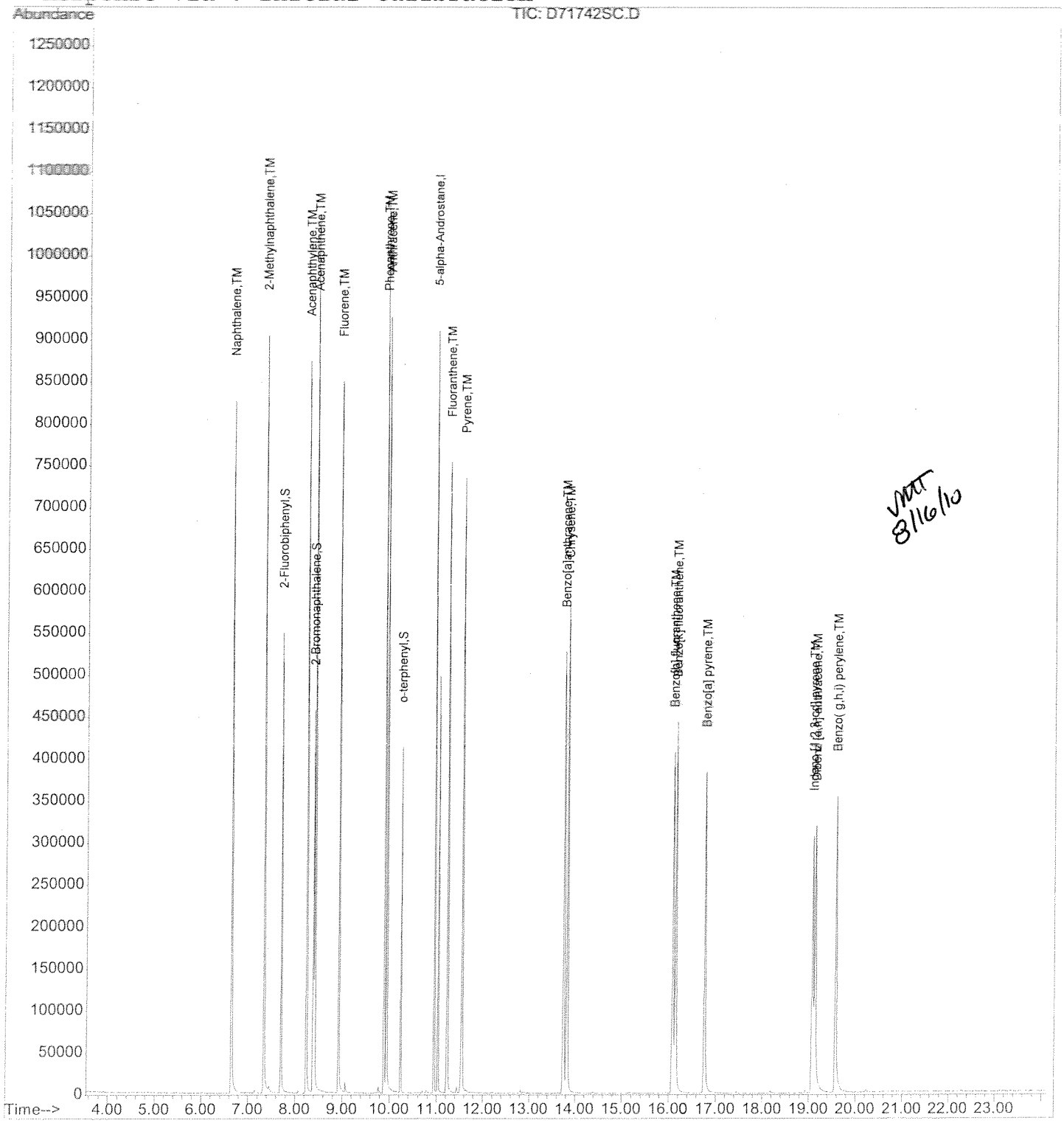
VMT 8/16/10

(#) = qualifier out of range (m) = manual integration
D71742SC.D ARM80410.M Thu Aug 12 13:59:32 2010

Data File : D:\HPCHEM\1\DATA\081210-D\D71742SC.D Vial: 3
Acq On : 12 Aug 2010 11:03 am Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 12 13:59 2010 Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration

8/12/10



VMT 8/16/10

D71742SC.D ARM80410.M Thu Aug 12 13:59:32 2010 Page 2

D YRZW

GC AROMATIC CONT CALIBRATION CHECK

Data File Name D71742SC.D
Sample Name S9937 ARO 20
Date Acquired 8/12/2010 11:03

Name	Amount	UG/L EXPECTED	% DIFFERENCE	LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	19.80	20	1	20	OK	19.80		
2-Methylnaphthalene	20.49	20	2	20	OK	20.49		
Acenaphthylene	20.88	20	4	20	OK	20.88		
Acenaphthene	20.31	20	2	20	OK	20.31		
Fluorene	20.93	20	5	20	OK	20.93		
Phenanthrene	21.74	20	9	20	OK	21.74		
Anthracene	20.20	20	1	20	OK	20.20		
Fluoranthene	21.11	20	6	20	OK	21.11		
Pyrene	21.66	20	8	20	OK	21.66		
Benzo[a]anthracene	20.15	20	1	20	OK	20.15		
Chrysene	21.36	20	7	20	OK	21.36		
Benzo[b] fluoranthene	20.45	20	2	20	OK	20.45		
Benzo[k] fluoranthene	20.22	20	1	20	OK	20.22		
Benzo[a] pyrene	20.93	20	5	20	OK	20.93		
Indeno [1,2,3-cd] pyrene	20.75	20	4	20	OK	20.75		
Dibenz [a,h] anthracene	22.73	20	14	20	OK	22.73		
Benzo(g,h,i) perylene	21.18	20	6	20	OK	21.18		
c11-c22		340				**354.89**	104%	OK

VMT 8/16/10

8/12/10 2:04 PM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ARGPT3SUMPRCTOPEN.CRT

Data File : D:\HPCHEM\1\DATA\081210-D\D71742SC.D
Acq On : 12 Aug 2010 11:03 am
Sample : S9937 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Aug 12 14:04 2010 Quant Results File: ARG80410.RES

Vial: 3
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 12 14:03:31 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

JE 1210

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.94	10274925	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.70	6071477	11.975 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	59.88%
10) S 2-Bromonaphthalene	8.38	4826441	13.691 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	68.45%
11) S o-terphenyl	10.23	4101341	8.524 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	42.62%
Target Compounds			
2) TZ Naphthalene	6.65	10962504	19.805 ug/ml
3) TZ 2-Methylnaphthalene	7.34	10971931	20.486 ug/ml
4) TZ Acenaphthylene	8.24	10577175	20.881 ug/ml
5) TZ Acenaphthene	8.41	11870069	20.307 ug/ml
6) TZ Fluorene	8.93	10277168	20.928 ug/ml
7) TZ Phenanthrene	9.88	10971370	21.740 ug/ml
8) TZ Anthracene	9.93	10345210	20.196 ug/ml
12) TZ Fluoranthene	11.23	10507640	21.114 ug/ml
13) TZ Pyrene	11.55f	11067215	21.660 ug/mlm
14) TZ Benzo[a]anthracene	13.75	9144617	20.152 ug/ml
15) TZ Chrysene	13.83	10196610	21.361 ug/ml
16) TZ Benzo[b] fluoranthene	16.09	7622882	20.446 ug/ml
17) TZ Benzo[k] fluoranthene	16.15	8476174	20.221 ug/ml
18) TZ Benzo[a] pyrene	16.77	7764418	20.928 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.08	6239588	20.754 ug/ml
20) TZ Dibenz [a,h] anthracene	19.13	7863939	22.731 ug/ml
21) TZ Benzo(g,h,i) perylene	19.58	7496912	21.178 ug/ml
22) XH c11-c22	11.73	176753624	394.752 ug/ml

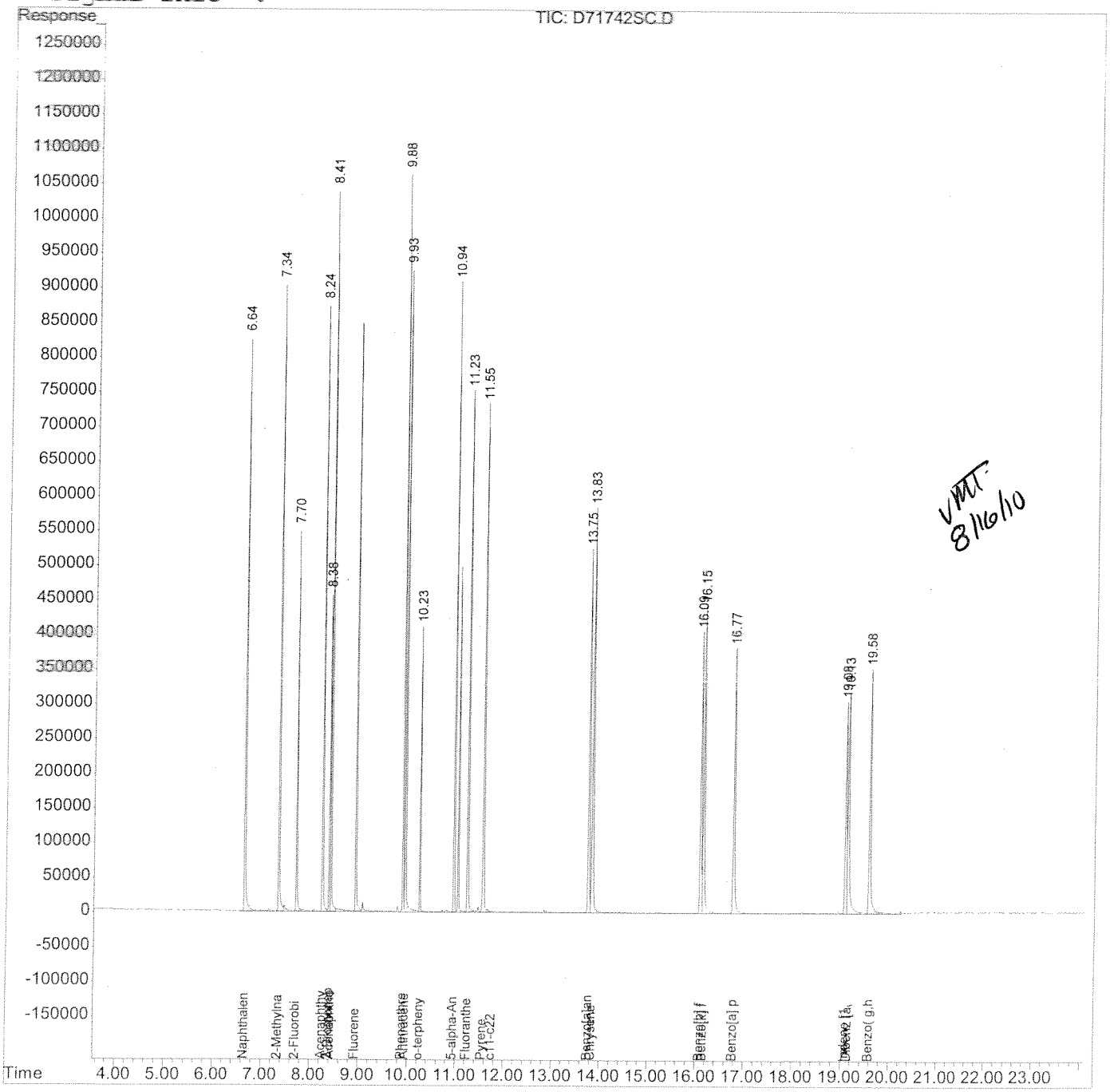
MT 8/16/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\081210-D\D71742SC.D Vial: 3
Acq On : 12 Aug 2010 11:03 am Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 12 14:04 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 12 14:03:31 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



VMT 8/16/10

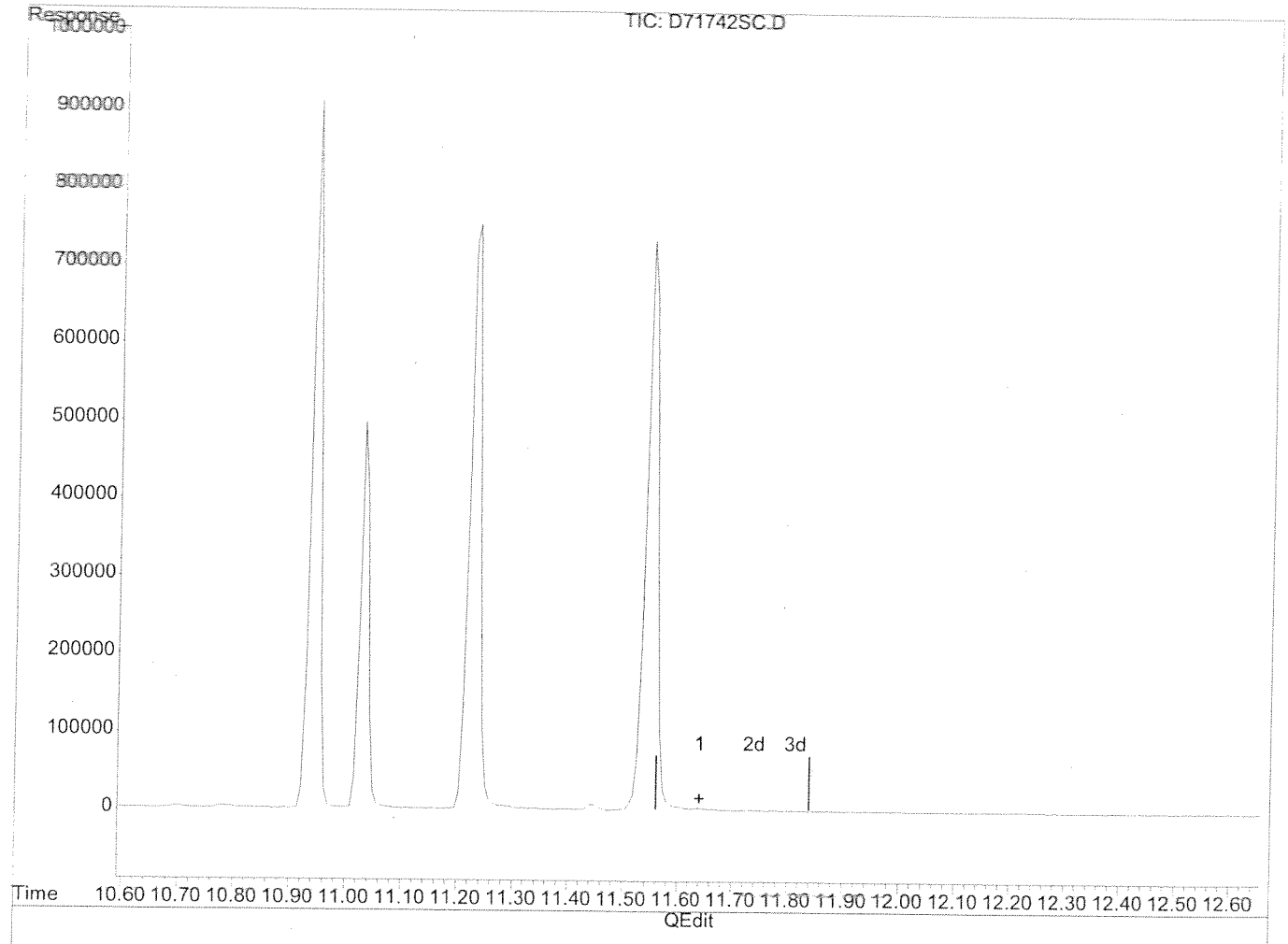
D71742SC.D ARG80410.M Thu Aug 12 14:04:23 2010 Page 2

Data File : D:\HPCHEM\1\DATA\081210-D\D71742SC.D
Acq On : 12 Aug 2010 11:03 am
Sample : S9937 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Aug 12 14:03 2010 Quant Results File: ARG80410.RES

Vial: 3
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 12 14:03:31 2010
Response via : Multiple Level Calibration

>081210
MP



(13) Pyrene (TZ)

11.64min -0.041ug/ml

response -20992

VMT
8/16/10

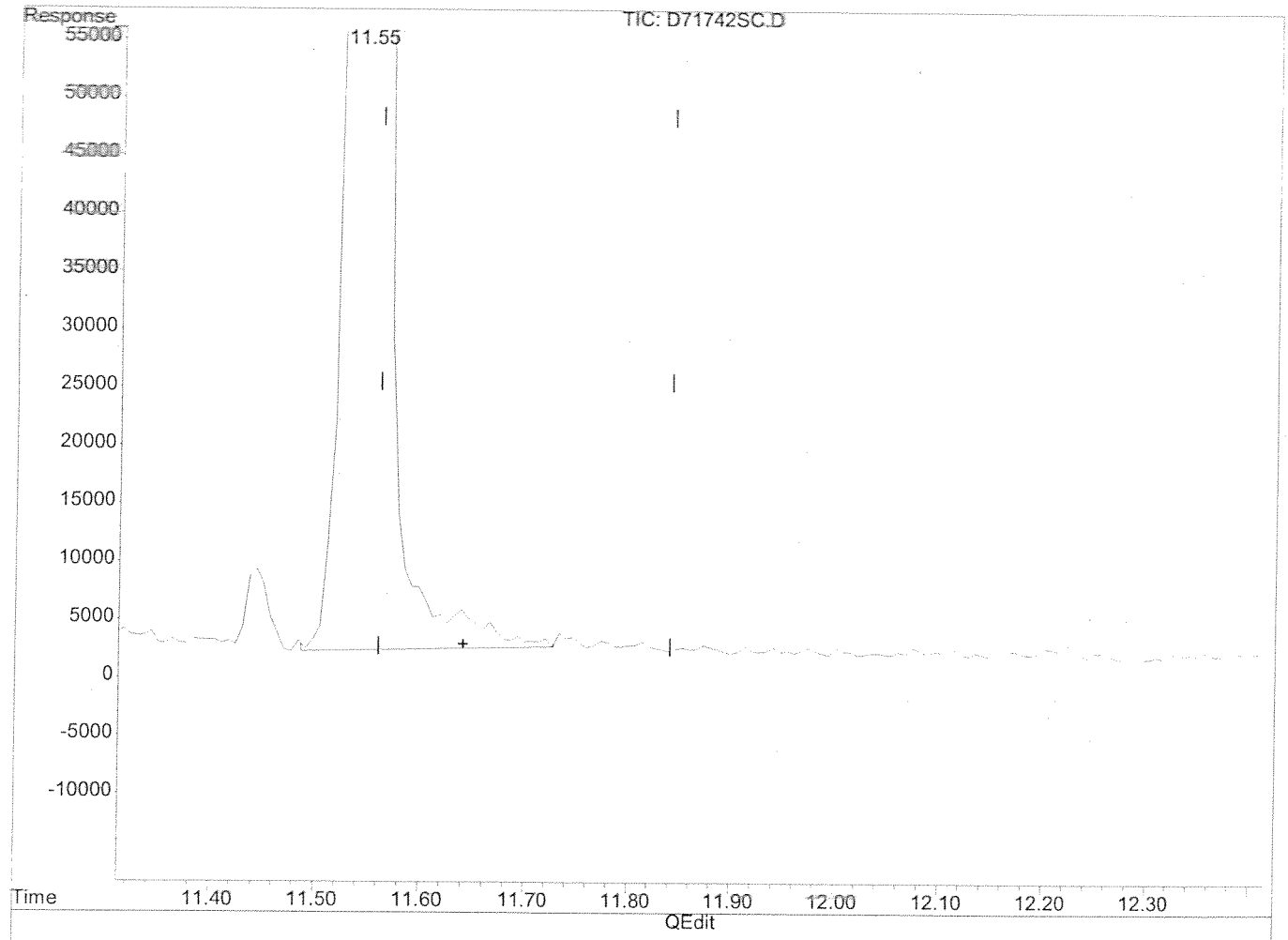
(+) = Expected Retention Time
D71742SC.D ARG80410.M Thu Aug 12 14:04:10 2010

Data File : D:\HPCHEM\1\DATA\081210-D\D71742SC.D
Acq On : 12 Aug 2010 11:03 am
Sample : S9937 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Aug 12 14:03 2010 Quant Results File: ARG80410.RES

Vial: 3
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 12 14:03:31 2010
Response via : Multiple Level Calibration

5812W



(13) Pyrene (TZ)

11.55min 21.660ug/ml m

response 11067215

VMT 8/16/10

(+) = Expected Retention Time

D71742SC.D ARG80410.M Thu Aug 12 14:04:17 2010

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

581310

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S9936 ALI 40
Data File ID: D71760SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.8	5.5	
C-10	39.0	2.4	
C-12	36.7	8.1	
C-14	37.4	6.6	
C-16	37.0	7.4	
C-18	36.3	9.3	
C-19	36.0	9.9	
C-20	37.0	7.5	
1-Chlorooctadecane	16.2	1.2	
C-22	38.0	5.1	
C-24	39.6	1.0	
C-26	43.7	9.3	
C-28	45.2	13.0	
C-30	41.0	2.6	
C-36	42.3	5.8	

C9-C18 Aliphatics	224.2	6.6	
C19-C36 Aliphatics	322.8	0.9	

vmt 8/16/10

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

Data File : D:\HPCHEM\1\DATA\081210-D\D71760SC.D Vial: 2
Acq On : 12 Aug 2010 7:49 pm Operator: AR/NP
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 12 23:05 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

5 01310

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.94	11479710	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.03	11402966	16.187 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	80.94%
Target Compounds			
2) TZM C-9	4.15	26937848	37.790 ug/ml
3) TZM C-10	5.13	28446939	39.023 ug/ml
4) TZM C-12	6.60	28766572	36.745 ug/ml
5) TZM C-14	7.78	30011658	37.378 ug/ml
6) TZM C-16	8.80	28705775	37.038 ug/ml
7) TZM C-18	9.72	27955781	36.264 ug/ml
8) XH C9-C18	7.53	175486566	230.220 ug/ml
9) TZM C-19	10.15	27467595	36.021 ug/ml
10) TZM C-20	10.59	27640169	36.986 ug/ml
12) TZM C-22	11.60	28109249	37.968 ug/ml
13) TZM C-24	12.92	28127704	39.584 ug/ml
14) TZM C-26	14.41	28761955	43.700 ug/ml
15) TZM C-28	15.95	26116191	45.220 ug/ml
16) TZM C-30	17.46	21339777	41.040 ug/ml
17) TZM C-36	21.53	17590325	42.315 ug/ml
18) XH C19-C36	12.05	256712639	405.895 ug/ml

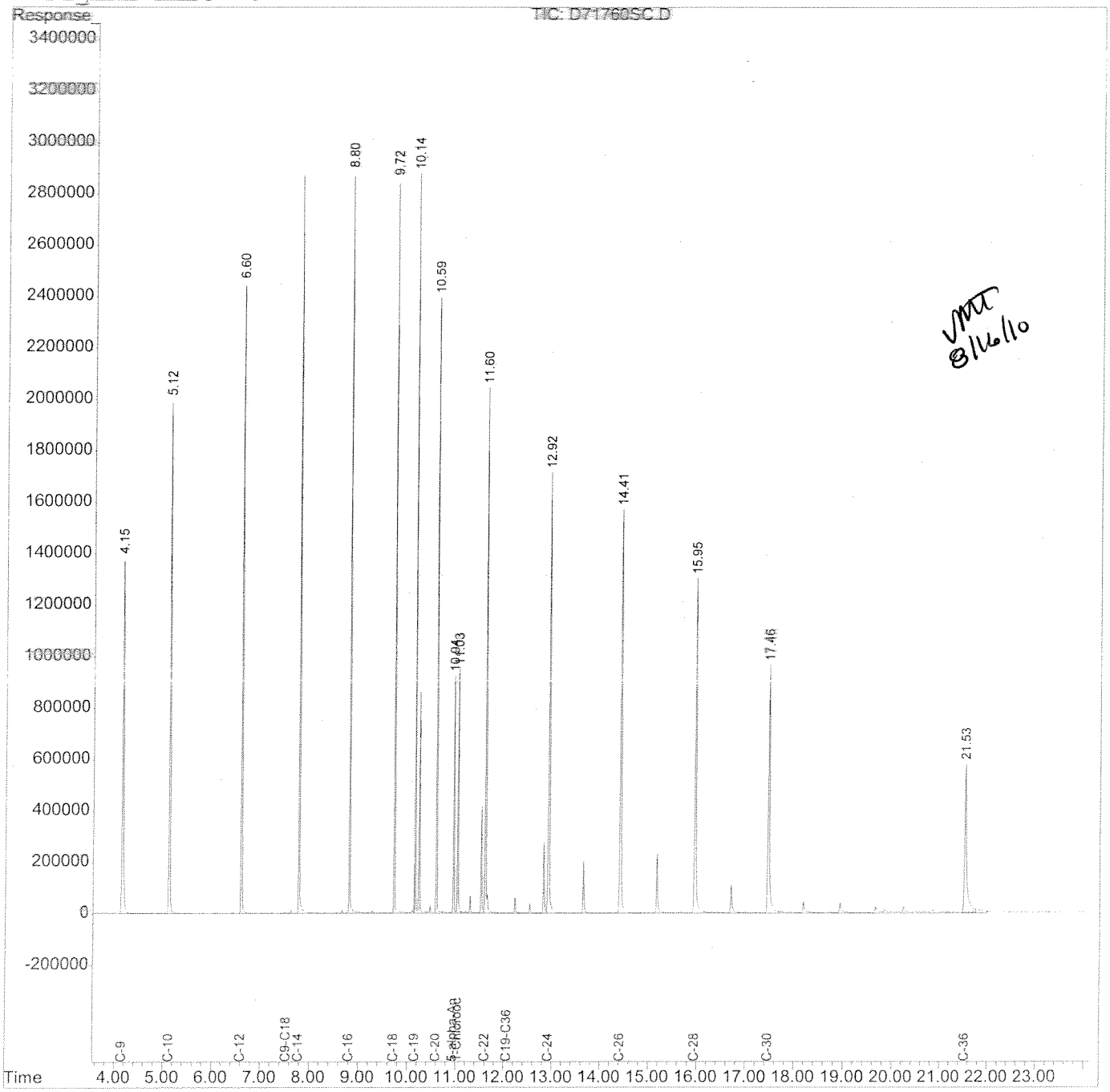
VMT 8/16/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\081210-D\D71760SC.D Vial: 2
Acq On : 12 Aug 2010 7:49 pm Operator: AR/NP
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 12 23:05 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



D71760SC.D ALG80410.M Thu Aug 12 23:19:19 2010 Page 2

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

581310

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S9937 ARO 20
Data File ID: D71761SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.1	0.4	
2-Methylnaphthalene	19.3	3.5	
Acenaphthylene	21.0	5.2	
Acenaphthene	20.1	0.4	
Fluorene	20.5	2.7	
Phenanthrene	21.4	7.0	
Anthracene	20.6	3.2	
2-Fluorobiphenyl	12.2	2.0	
2-Bromonaphthalene	13.0	8.7	
o-terphenyl	8.9	11.0	
Fluoranthene	21.6	8.2	
Pyrene	21.3	6.6	
Benzo[a]anthracene	22.6	13.1	
Chrysene	21.2	5.8	
Benzo[b] fluoranthene	21.0	5.2	
Benzo[k] fluoranthene	22.1	10.3	
Benzo[a] pyrene	21.5	7.7	
Indeno [1,2,3-cd] pyrene	21.6	8.1	
Dibenz [a,h] anthracene	22.1	10.3	
Benzo(g,h,i) perylene	21.2	6.1	

VMT 8/16/10

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

Data File : D:\HPCHEM\1\DATA\081210-D\D71761SC.D Vial: 3
Acq On : 12 Aug 2010 8:19 pm Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 12 23:07 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

JE 1310

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.94	95	63935	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.70	172	207070	12.24 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 61.20%		
10) 2-Bromonaphthalene	8.38	206	91352	13.04 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 65.20%		
11) o-terphenyl	10.22	230	87981	8.88 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 44.40%		
Target Compounds					Qvalue
2) Naphthalene	6.64	128	517685	20.07 ug/ml	100
3) 2-Methylnaphthalene	7.34	141	271176	19.29 ug/ml	97
4) Acenaphthylene	8.24	152	510683	21.04 ug/ml	99
5) Acenaphthene	8.41	154	271927	20.07 ug/ml	98
6) Fluorene	8.92	166	323302	20.54 ug/ml	100
7) Phenanthrene	9.88	178	454135	21.41 ug/ml	99
8) Anthracene	9.93	178	455655	20.64 ug/ml	99
12) Fluoranthene	11.22	202	477959	21.65 ug/ml#	93
13) Pyrene	11.55	202	483290	21.31 ug/ml#	92
14) Benzo[a]anthracene	13.75	228	393948	22.62 ug/ml	99
15) Chrysene	13.82	228	389180	21.16 ug/ml	100
16) Benzo[b] fluoranthene	16.08	252	322321	21.04 ug/ml#	94
17) Benzo[k] fluoranthene	16.15	252	344977	22.06 ug/ml#	94
18) Benzo[a] pyrene	16.77	252	310320	21.55 ug/ml#	93
19) Indeno [1,2,3-cd] pyrene	19.07	276	250944	21.62 ug/ml#	80
20) Dibenz [a,h] anthracene	19.13	278	261700	22.05 ug/ml#	87
21) Benzo(g,h,i) perylene	19.58	276	273579	21.22 ug/ml#	80

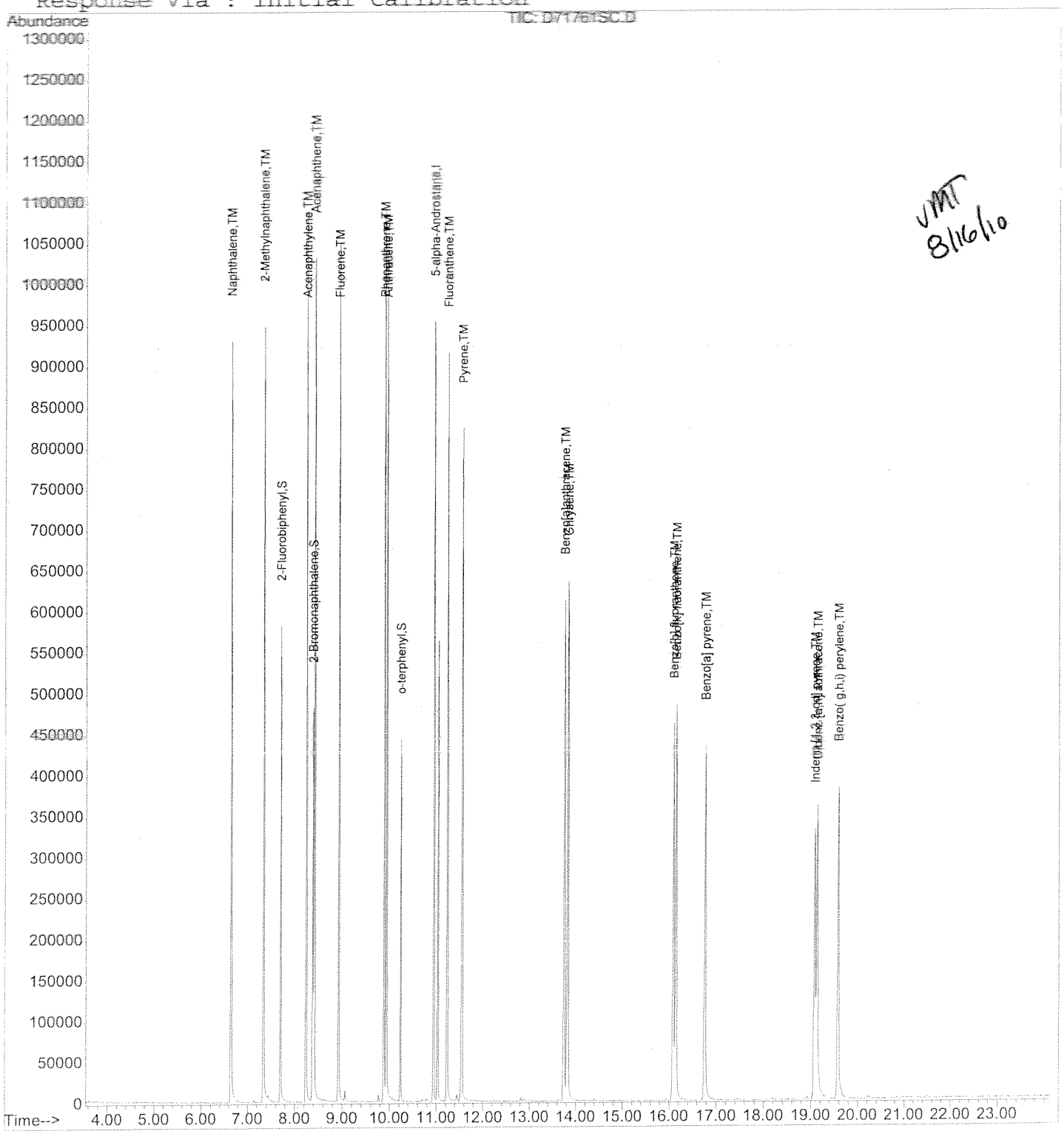
VMT 8/16/10

(#) = qualifier out of range (m) = manual integration
D71761SC.D ARM80410.M Thu Aug 12 23:20:02 2010 Page 1

Data File : D:\HPCHEM\1\DATA\081210-D\D71761SC.D Vial: 3
Acq On : 12 Aug 2010 8:19 pm Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 12 23:07 2010 Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration

081310



VMT 8/16/10

GC AROMATIC CLOSING CONT CALIBRATION CHECK

Data File Name D71761SC.D
Sample Name S9937 ARO 20
Date Acquired 8/12/2010 8:19

581310

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	18.77	20	6	20	OK	18.77		
2-Methylnaphthalene	18.55	20	7	20	OK	18.55		
Acenaphthylene	20.06	20	0	20	OK	20.06		
Acenaphthene	18.79	20	6	20	OK	18.79		
Fluorene	19.84	20	1	20	OK	19.84		
Phenanthrene	20.18	20	1	20	OK	20.18		
Anthracene	19.57	20	2	20	OK	19.57		
Fluoranthene	20.51	20	3	20	OK	20.51		
Pyrene	20.34	20	2	20	OK	20.34		
Benzo[a]anthracene	19.58	20	2	20	OK	19.58		
Chrysene	20.15	20	1	20	OK	20.15		
Benzo[b] fluoranthene	20.02	20	0	20	OK	20.02		
Benzo[k] fluoranthene	19.49	20	3	20	OK	19.49		
Benzo[a] pyrene	19.66	20	2	20	OK	19.66		
Indeno [1,2,3-cd] pyrene	19.46	20	3	20	OK	19.46		
Dibenz [a,h] anthracene	20.93	20	5	20	OK	20.93		
Benzo(g,h,i) perylene	19.64	20	2	20	OK	19.64		
c11-c22		340				**335.57**	99%	OK

VMT
8/16/10

8/12/10 11:21 PM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ARGPT3SUMPRCTCLOS.CRT

Data File : D:\HPCHEM\1\DATA\081210-D\D71761SC.D Vial: 3
Acq On : 12 Aug 2010 8:19 pm Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 12 23:20 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 12 14:04:53 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

S61310

Volume Inj. :
Signal Phase :
Signal Info :

VMT 8/16/10

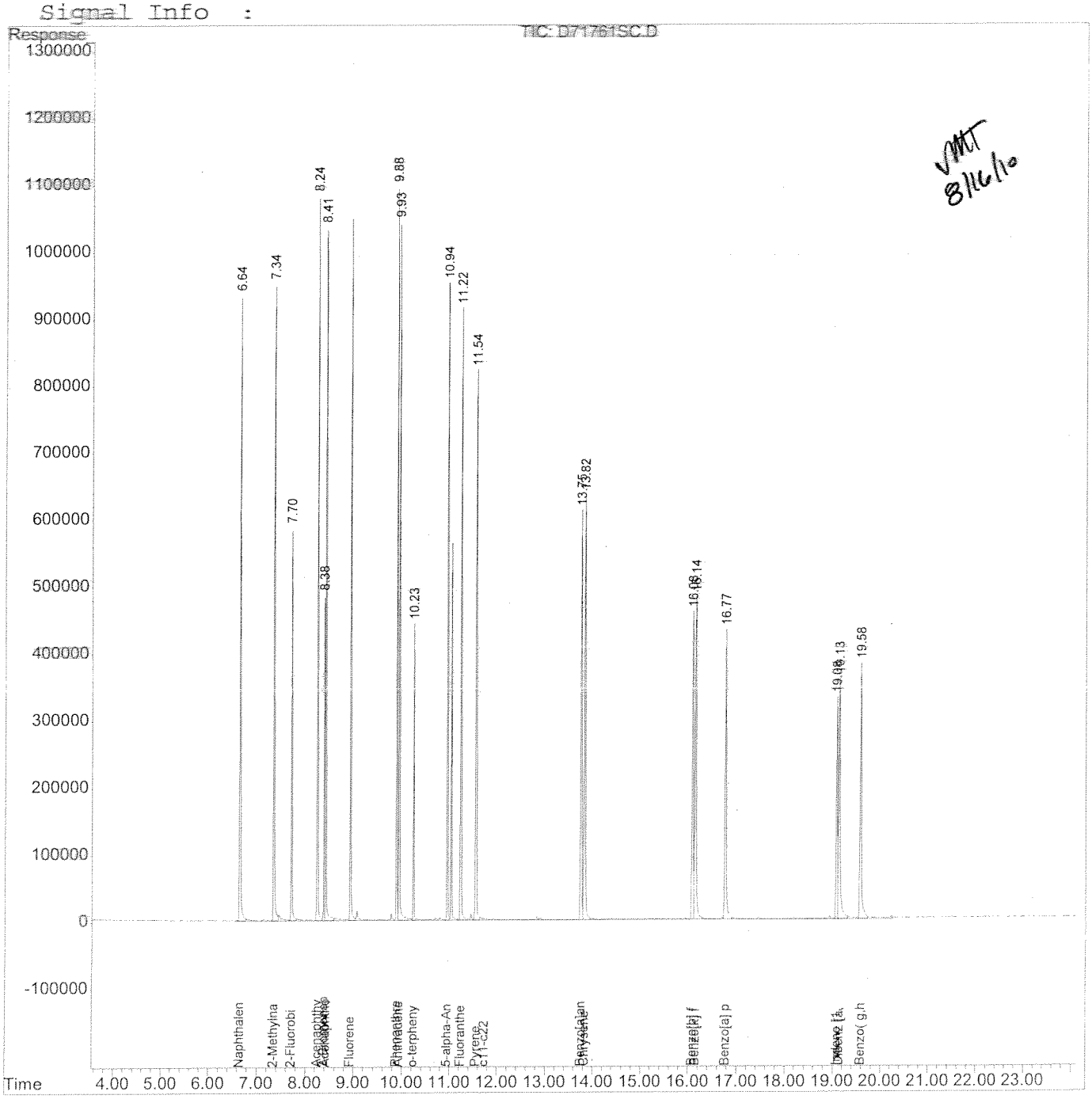
Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.94	12207972	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.70	6887972	11.434 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	57.17%
10) S 2-Bromonaphthalene	8.38	5508787	13.152 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	65.76%
11) S o-terphenyl	10.23	4623062	8.087 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	40.44%
Target Compounds			
2) TZ Naphthalene	6.65	12345751	18.772 ug/ml
3) TZ 2-Methylnaphthalene	7.34	11806046	18.553 ug/ml
4) TZ Acenaphthylene	8.24	12074169	20.062 ug/ml
5) TZ Acenaphthene	8.41	13075164	18.789 ug/ml
6) TZ Fluorene	8.92	11575394	19.839 ug/ml
7) TZ Phenanthrene	9.88	12101948	20.183 ug/ml
8) TZ Anthracene	9.93	11912630	19.574 ug/ml
12) TZ Fluoranthene	11.23	12129416	20.513 ug/ml
13) TZ Pyrene	11.55	12350882	20.345 ug/ml
14) TZ Benzo[a]anthracene	13.75	10536931	19.579 ug/ml
15) TZ Chrysene	13.83	11428557	20.151 ug/ml
16) TZ Benzo[b] fluoranthene	16.09	8854911	20.020 ug/ml
17) TZ Benzo[k] fluoranthene	16.15	9698861	19.494 ug/ml
18) TZ Benzo[a] pyrene	16.77	8636759	19.662 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.08	6916673	19.465 ug/ml
20) TZ Dibenz [a,h] anthracene	19.13	8602868	20.929 ug/ml
21) TZ Benzo(g,h,i) perylene	19.58	8266159	19.641 ug/ml
22) XH c11-c22	11.73	197961607	372.110 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\081210-D\D71761SC.D Vial: 3
Acq On : 12 Aug 2010 8:19 pm Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 12 23:20 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 12 14:04:53 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



D71761SC.D ARG80410.M Thu Aug 12 23:21:35 2010 Page 2

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

541320

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S9936 ALI 40
Data File ID: D71762SC.D

VMT 8/16/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	36.9	7.8	
C-10	38.4	4.1	
C-12	36.9	7.7	
C-14	37.3	6.6	
C-16	37.0	7.5	
C-18	36.7	8.3	
C-19	35.5	11.3	
C-20	36.2	9.6	
1-Chlorooctadecane	16.1	0.5	
C-22	35.8	10.5	
C-24	37.7	5.8	
C-26	41.3	3.3	
C-28	42.5	6.2	
C-30	39.6	1.1	
C-36	44.3	10.7	

C9-C18 Aliphatics	223.2	7.0	
C19-C36 Aliphatics	312.8	2.2	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

Data File : D:\HPCHEM\1\DATA\081210-D\D71762SC.D Vial: 2
Acq On : 12 Aug 2010 8:50 pm Operator: AR/NP
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 12 23:05 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

081310

Volume Inj. :
Signal Phase :
Signal Info :

VMT 8/16/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.94	11353705	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.03	11200315	16.075 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	80.38%
Target Compounds			
2) TZM C-9	4.15	26010583	36.894 ug/ml
3) TZM C-10	5.12	27670324	38.379 ug/ml
4) TZM C-12	6.60	28579625	36.912 ug/ml
5) TZM C-14	7.78	29657807	37.348 ug/ml
6) TZM C-16	8.80	28369359	37.010 ug/ml
7) TZM C-18	9.72	27975616	36.692 ug/ml
8) XH C9-C18	7.53	173483058	230.117 ug/ml
9) TZM C-19	10.15	26761985	35.485 ug/ml
10) TZM C-20	10.59	26731049	36.166 ug/ml
12) TZM C-22	11.60	26219923	35.810 ug/ml
13) TZM C-24	12.92	26485049	37.686 ug/ml
14) TZM C-26	14.41	26901482	41.327 ug/ml
15) TZM C-28	15.95	24273891	42.496 ug/ml
16) TZM C-30	17.46	20346723	39.565 ug/ml
17) TZM C-36	21.53	18362485	44.275 ug/ml
18) XH C19-C36	12.05	245967967	393.223 ug/ml

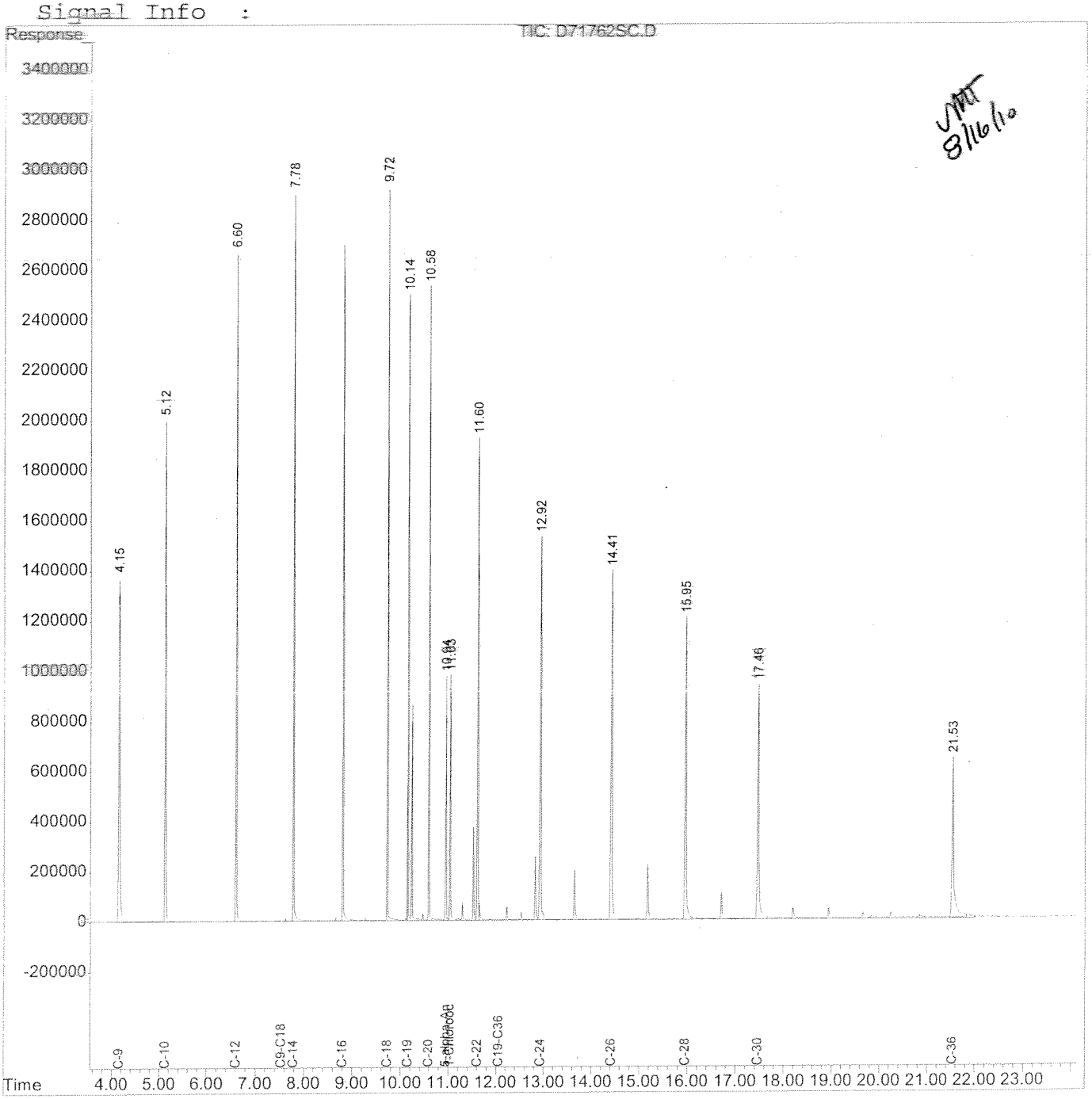
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\081210-D\D71762SC.D Vial: 2
Acq On : 12 Aug 2010 8:50 pm Operator: AR/NP
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 12 23:05 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

581310

Volume Inj. :
Signal Phase :
Signal Info :



VMT 8/16/10

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

581360

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S9937 ARO 20
Data File ID: D71763SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.2	0.9	
2-Methylnaphthalene	19.9	0.5	
Acenaphthylene	20.7	3.3	
Acenaphthene	19.9	0.4	
Fluorene	21.0	5.0	
Phenanthrene	21.2	5.9	
Anthracene	21.5	7.4	
2-Fluorobiphenyl	12.3	2.2	
2-Bromonaphthalene	12.7	6.1	
o-terphenyl	9.2	14.6	
Fluoranthene	20.9	4.7	
Pyrene	20.8	4.1	
Benzo[a]anthracene	22.2	10.9	
Chrysene	21.4	6.9	
Benzo[b] fluoranthene	20.9	4.5	
Benzo[k] fluoranthene	21.5	7.4	
Benzo[a] pyrene	21.3	6.4	
Indeno [1,2,3-cd] pyrene	21.8	8.8	
Dibenz [a,h] anthracene	22.0	10.2	
Benzo(g,h,i) perylene	20.6	3.1	

VMT 8/16/10

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

Data File : D:\HPCHEM\1\DATA\081210-D\D71763SC.D Vial: 3
Acq On : 12 Aug 2010 9:20 pm Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 12 23:22 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

381310

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.93	95	65160	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.70	172	211288	12.26 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 61.30%		
10) 2-Bromonaphthalene	8.38	206	90887	12.73 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 63.65%		
11) o-terphenyl	10.22	230	92556	9.17 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 45.85%		
Target Compounds					Qvalue
2) Naphthalene	6.64	128	530464	20.18 ug/ml	100
3) 2-Methylnaphthalene	7.34	141	285118	19.90 ug/ml	97
4) Acenaphthylene	8.24	152	511075	20.66 ug/ml	99
5) Acenaphthene	8.41	154	275166	19.93 ug/ml	100
6) Fluorene	8.92	166	336767	20.99 ug/ml	99
7) Phenanthrene	9.87	178	457797	21.17 ug/ml	99
8) Anthracene	9.93	178	483086	21.47 ug/ml	99
12) Fluoranthene	11.22	202	471313	20.94 ug/ml#	93
13) Pyrene	11.55	202	481224	20.82 ug/ml#	92
14) Benzo[a]anthracene	13.75	228	393653	22.18 ug/ml	99
15) Chrysene	13.82	228	400757	21.38 ug/ml	100
16) Benzo[b] fluoranthene	16.08	252	326077	20.90 ug/ml#	94
17) Benzo[k] fluoranthene	16.14	252	342475	21.49 ug/ml#	94
18) Benzo[a] pyrene	16.77	252	312069	21.28 ug/ml#	93
19) Indeno [1,2,3-cd] pyrene	19.07	276	257542	21.76 ug/ml#	78
20) Dibenz [a,h] anthracene	19.13	278	266537	22.04 ug/ml#	87
21) Benzo(g,h,i) perylene	19.58	276	271080	20.63 ug/ml#	80

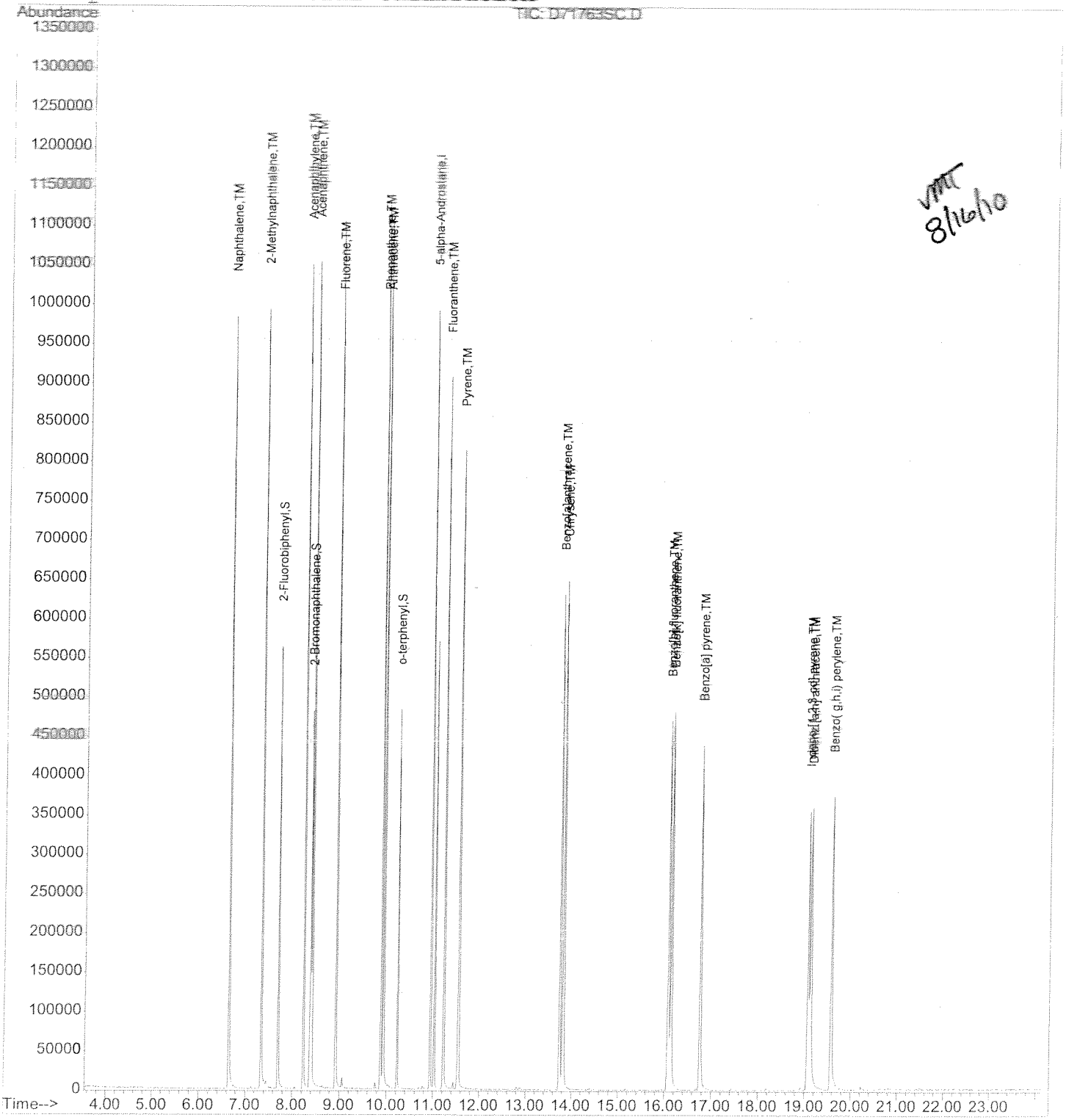
VMT 8/16/10

(#) = qualifier out of range (m) = manual integration
D71763SC.D ARM80410.M Thu Aug 12 23:23:16 2010

Data File : D:\HPCHEM\1\DATA\081210-D\D71763SC.D Vial: 3
Acq On : 12 Aug 2010 9:20 pm Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 12 23:22 2010 Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Tue Aug 10 08:42:26 2010
Response via : Initial Calibration

8/13/10



VMT 8/16/10

D71763SC.D ARM80410.M Thu Aug 12 23:23:16 2010 Page 2

GC AROMATIC CLOSING CONT CALIBRATION CHECK

Data File Name D71763SC.D
Sample Name S9937 ARO 20
Date Acquired 8/12/2010 9:20

581310

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 4 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	18.81	20	6	20	OK	18.81		
2-Methylnaphthalene	19.45	20	3	20	OK	19.45		
Acenaphthylene	19.68	20	2	20	OK	19.68		
Acenaphthene	18.77	20	6	20	OK	18.77		
Fluorene	20.24	20	1	20	OK	20.24		
Phenanthrene	20.18	20	1	20	OK	20.18		
Anthracene	20.13	20	1	20	OK	20.13		
Fluoranthene	19.81	20	1	20	OK	19.81		
Pyrene	19.86	20	1	20	OK	19.86		
Benzo[a]anthracene	19.55	20	2	20	OK	19.55		
Chrysene	20.17	20	1	20	OK	20.17		
Benzo[b] fluoranthene	19.96	20	0	20	OK	19.96		
Benzo[k] fluoranthene	19.17	20	4	20	OK	19.17		
Benzo[a] pyrene	19.42	20	3	20	OK	19.42		
Indeno [1,2,3-cd] pyrene	20.02	20	0	20	OK	20.02		
Dibenz [a,h] anthracene	21.09	20	5	20	OK	21.09		
Benzo(g,h,i) perylene	19.08	20	5	20	OK	19.08		
c11-c22		340				**335.41**	99%	OK

VMT 8/16/10

Data File : D:\HPCHEM\1\DATA\081210-D\D71763SC.D
Acq On : 12 Aug 2010 9:20 pm
Sample : S9937 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Aug 12 23:24 2010 Quant Results File: ARG80410.RES

Vial: 3
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 12 14:04:53 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

381360

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.94	12426368	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.70	7042851	11.486 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	57.43%
10) S 2-Bromonaphthalene	8.38	5536801	12.987 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.94%
11) S o-terphenyl	10.23	4964152	8.531 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	42.66%
Target Compounds			
2) TZ Naphthalene	6.64	12590513	18.808 ug/ml
3) TZ 2-Methylnaphthalene	7.34	12600845	19.454 ug/ml
4) TZ Acenaphthylene	8.24	12055862	19.680 ug/ml
5) TZ Acenaphthene	8.41	13298241	18.773 ug/ml
6) TZ Fluorene	8.92	12020385	20.240 ug/ml
7) TZ Phenanthrene	9.88	12316996	20.181 ug/ml
8) TZ Anthracene	9.93	12471588	20.132 ug/ml
12) TZ Fluoranthene	11.22	11922476	19.809 ug/ml
13) TZ Pyrene	11.55	12274529	19.863 ug/ml
14) TZ Benzo[a]anthracene	13.75	10710182	19.553 ug/ml
15) TZ Chrysene	13.82	11646594	20.175 ug/ml
16) TZ Benzo[b] fluoranthene	16.09	8984832	19.961 ug/ml
17) TZ Benzo[k] fluoranthene ✓	16.15	9705265	19.173 ug/ml
18) TZ Benzo[a] pyrene	16.77	8678881	19.425 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.08	7259821	20.023 ug/ml
20) TZ Dibenz [a,h] anthracene	19.13	8821998	21.085 ug/ml
21) TZ Benzo(g,h,i) perylene	19.58	8172881	19.076 ug/ml
22) XH c11-c22	11.73	201218699	371.585 ug/ml

VMT 8/16/10

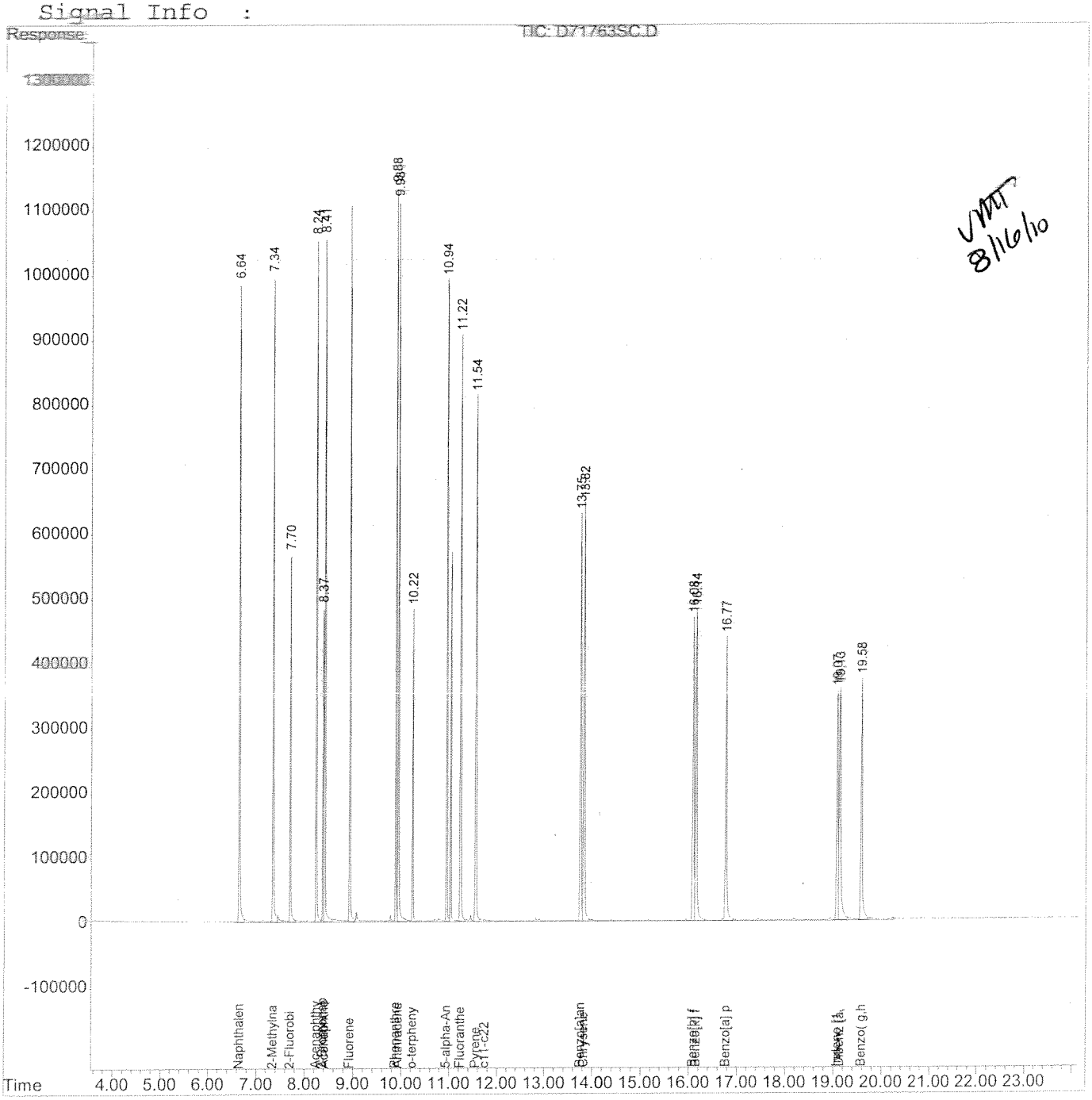
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\081210-D\D71763SC.D Vial: 3
Acq On : 12 Aug 2010 9:20 pm Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 12 23:24 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 12 14:04:53 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

381340

Volume Inj. :
Signal Phase :
Signal Info :



VMT 8/16/10

EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

8/14/10

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S9937 ARO 20
Data File ID: J35328SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.7	3.4	
2-Methylnaphthalene	20.8	4.0	
Acenaphthylene	20.6	3.2	
Acenaphthene	18.3	8.5	
Fluorene	18.2	8.9	
Phenanthrene	20.5	2.3	
Anthracene	20.1	0.5	
2-Fluorobiphenyl	12.2	1.6	
2-Bromonaphthalene	11.0	8.7	
o-terphenyl	7.9	0.8	
Fluoranthene	20.3	1.5	
Pyrene	20.2	1.0	
Benzo[a]anthracene	20.0	0.1	
Chrysene	20.1	0.3	
Benzo[b] fluoranthene	19.7	1.5	
Benzo[k] fluoranthene	19.9	0.5	
Benzo[a] pyrene	19.9	0.5	
Indeno [1,2,3-cd] pyrene	19.7	1.3	
Dibenz [a,h] anthracene	19.6	1.8	
Benzo(g,h,i) perylene	19.8	0.8	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____ 081410

EPH ARO FORM 7

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35328SC.D
Acq On : 14 Aug 2010 6:42 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 07:13:39 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

MR 8/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	93841	20.00 ug/ml	0.00

System Monitoring Compounds

9) 2-Fluorobiphenyl	5.552	172	378800	12.19 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 60.95%		
10) 2-Bromonaphthalene	6.080	206	171446	10.96 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 54.80%		
11) o-terphenyl	7.600	230	215298	7.94 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 39.70%#		

Target Compounds

					Qvalue
2) Naphthalene	4.680	128	764971	20.68 ug/ml	100
3) 2-Methylnaphthalene	5.243	141	446961	20.80 ug/ml	97
4) Acenaphthylene	5.967	152	835965	20.64 ug/ml	100
5) Acenaphthene	6.110	154	483034	18.31 ug/ml	100
6) Fluorene	6.525	166	621695	18.22 ug/ml	99
7) Phenanthrene	7.296	178	908262	20.47 ug/ml	100
8) Anthracene	7.338	178	879039	20.09 ug/ml	99
12) Fluoranthene	8.270	202	1032214	20.30 ug/ml	99
13) Pyrene	8.472	202	1064055	20.19 ug/ml	98
14) Benzo[a]anthracene	9.794	228	943904	20.02 ug/ml	100
15) Chrysene	9.841	228	900495	20.06 ug/ml	100
16) Benzo[b] fluoranthene	11.329	252	833404	19.71 ug/ml	100
17) Benzo[k] fluoranthene	11.377	252	826346	19.90 ug/ml	99
18) Benzo[a] pyrene	11.821	252	809769	19.91 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.604	276	690124	19.74 ug/ml	99
20) Dibenz [a,h] anthracene	13.671	278	670962	19.64 ug/ml	98
21) Benzo(g,h,i) perylene	14.012	276	722780	19.85 ug/ml	98

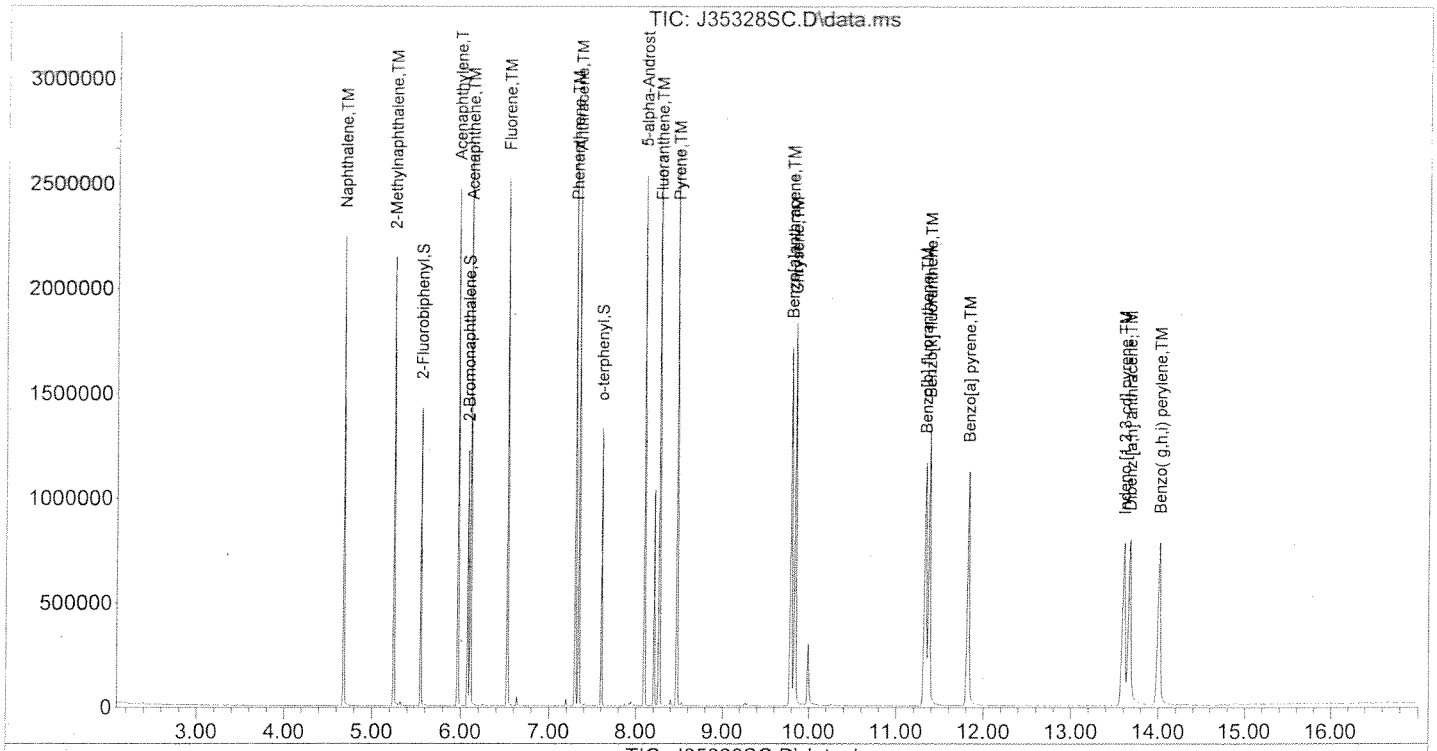
(#) = qualifier out of range (m) = manual integration (+) = signals summed

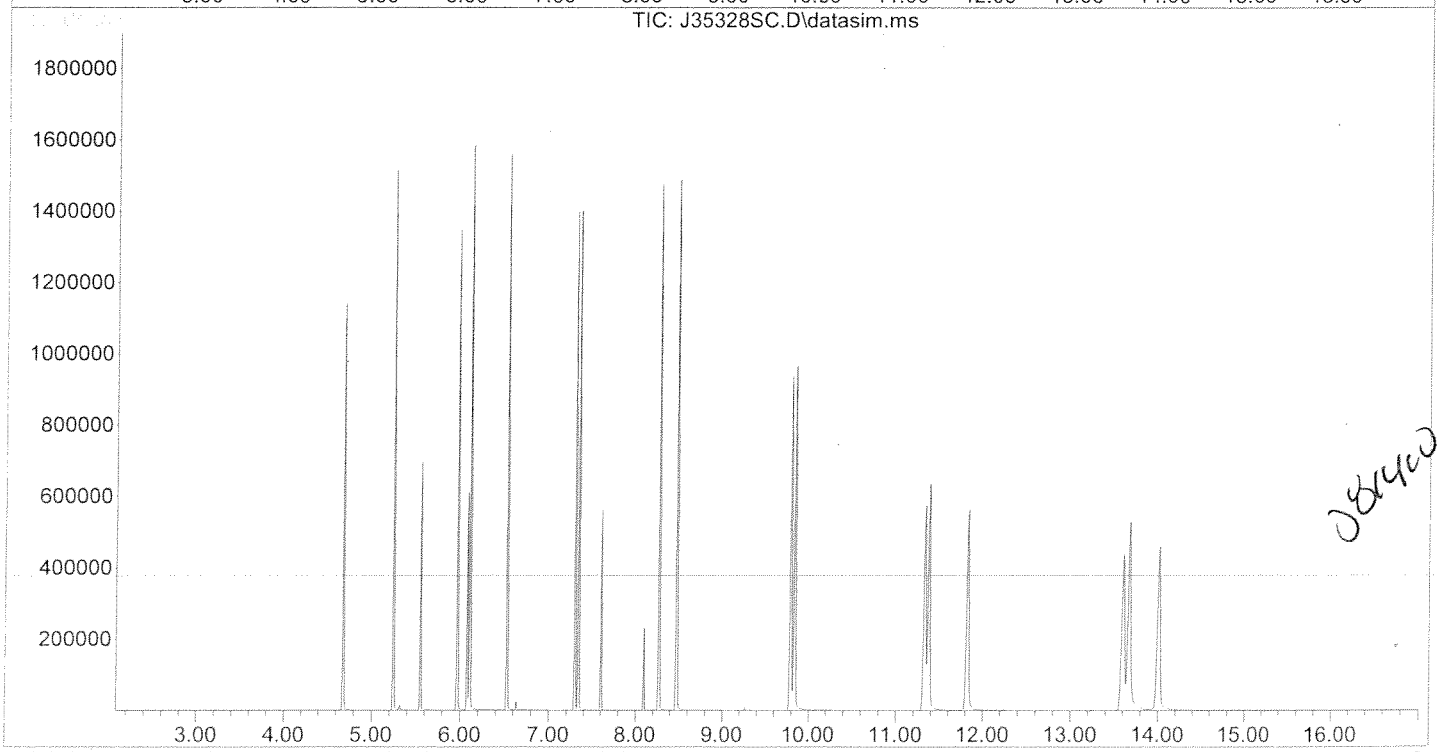
DB 8/14/10

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35328SC.D
Acq On : 14 Aug 2010 6:42 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 07:13:39 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

OK 8/14/10





08420

GC AROMATIC
CONT CALIBRATION
CHECK

Data File Name J35328SC.D
Sample Name S9937 ARO 20
Date Acquired 8/14/2010 6:42

OK 8/14/10

Name	Amount	UG/L EXPECTED	% DIFFERENCE	LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.68	20	3	20	OK	20.68		
2-Methylnaphthalene	20.78	20	4	20	OK	20.78		
Acenaphthylene	20.83	20	4	20	OK	20.83		
Acenaphthene	18.64	20	7	20	OK	18.64		
Fluorene	18.57	20	7	20	OK	18.57		
Phenanthrene	20.62	20	3	20	OK	20.62		
Anthracene	19.92	20	0	20	OK	19.92		
Fluoranthene	20.16	20	1	20	OK	20.16		
Pyrene	20.12	20	1	20	OK	20.12		
Benzo[a]anthracene	19.99	20	0	20	OK	19.99		
Chrysene	19.86	20	1	20	OK	19.86		
Benzo[b] fluoranthene	19.64	20	2	20	OK	19.64		
Benzo[k] fluoranthene	19.97	20	0	20	OK	19.97		
Benzo[a] pyrene	19.87	20	1	20	OK	19.87		
Indeno [1,2,3-cd] pyrene	18.95	20	5	20	OK	18.95		
Dibenz [a,h] anthracene	18.29	20	9	20	OK	18.29		
Benzo(g,h,i) perylene	19.97	20	0	20	OK	19.97		
c11-c22		340				**336.87**	99%	OK

JW 8/14/10

8/14/2010 7:17 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG PT3SUMPRCTOPEN.CRT

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35328SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 6:42 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 07:17:14 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

OK 8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.099	20284607	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.552	11267086	12.202 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	61.01%
10) S 2-Bromonaphthalene	6.081	9304636	11.165 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	55.82%
11) S o-terphenyl	7.603	9972978	7.912 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	39.56%#
Target Compounds			
2) TZ Naphthalene	4.682	16981965	20.679 ug/ml
3) TZ 2-Methylnaphthalene	5.248	18166291	20.782 ug/ml
4) TZ Acenaphthylene	5.969	17892117	20.833 ug/ml
5) TZ Acenaphthene	6.112	19656455	18.637 ug/ml
6) TZ Fluorene	6.528	20245248	18.569 ug/ml
7) TZ Phenanthrene	7.299	21033167	20.623 ug/ml
8) TZ Anthracene	7.341	19367031	19.923 ug/ml
12) TZ Fluoranthene	8.271	22870733	20.161 ug/ml
13) TZ Pyrene	8.473	23788348	20.121 ug/ml
14) TZ Benzo[a]anthracene	9.794	22137849	19.989 ug/ml
15) TZ Chrysene	9.843	22126098	19.865 ug/ml
16) TZ Benzo[b] fluoranthene	11.330	20220154	19.639 ug/ml
17) TZ Benzo[k] fluoranthene	11.378	20861772	19.966 ug/ml
18) TZ Benzo[a] pyrene	11.824	20217475	19.867 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.604	17115802	18.947 ug/ml
20) TZ Dibenz [a,h] anthracene	13.672	19219042	18.295 ug/ml
21) TZ Benzo(g,h,i) perylene	14.014	19040144	19.969 ug/ml
22) XH c11-c22	12.565	369226357	372.763 ug/ml

081410

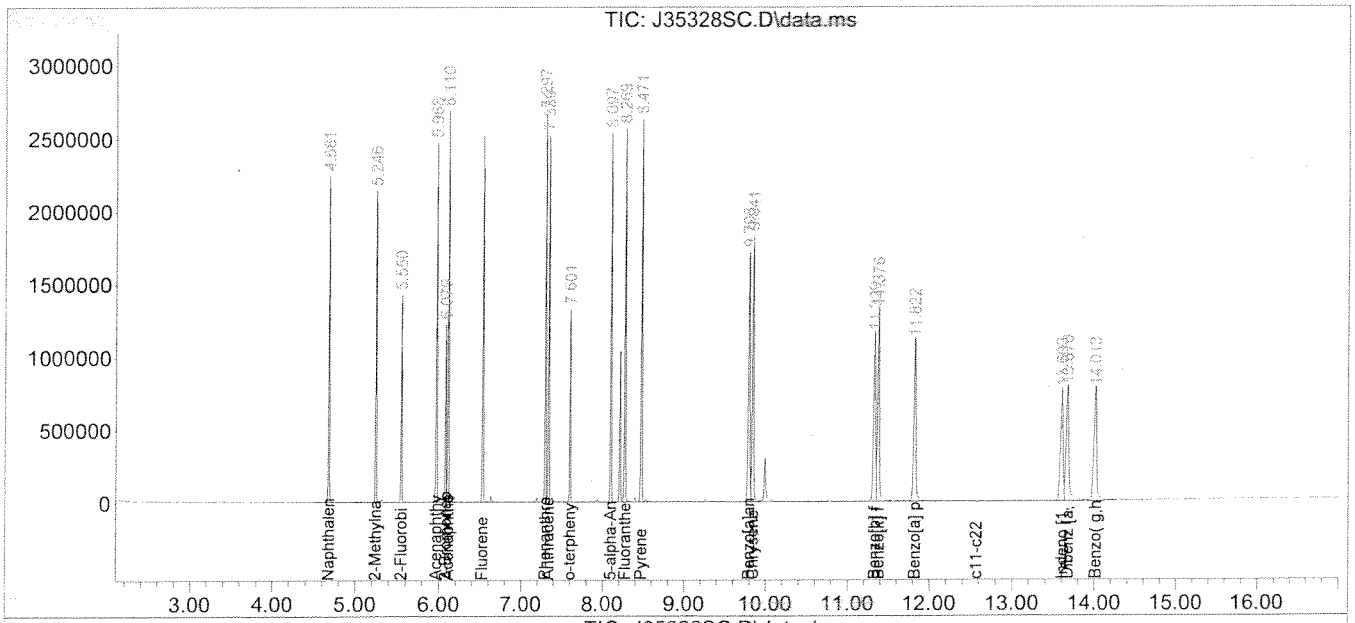
(f)=RT Delta > 1/2 Window (m)=manual int.

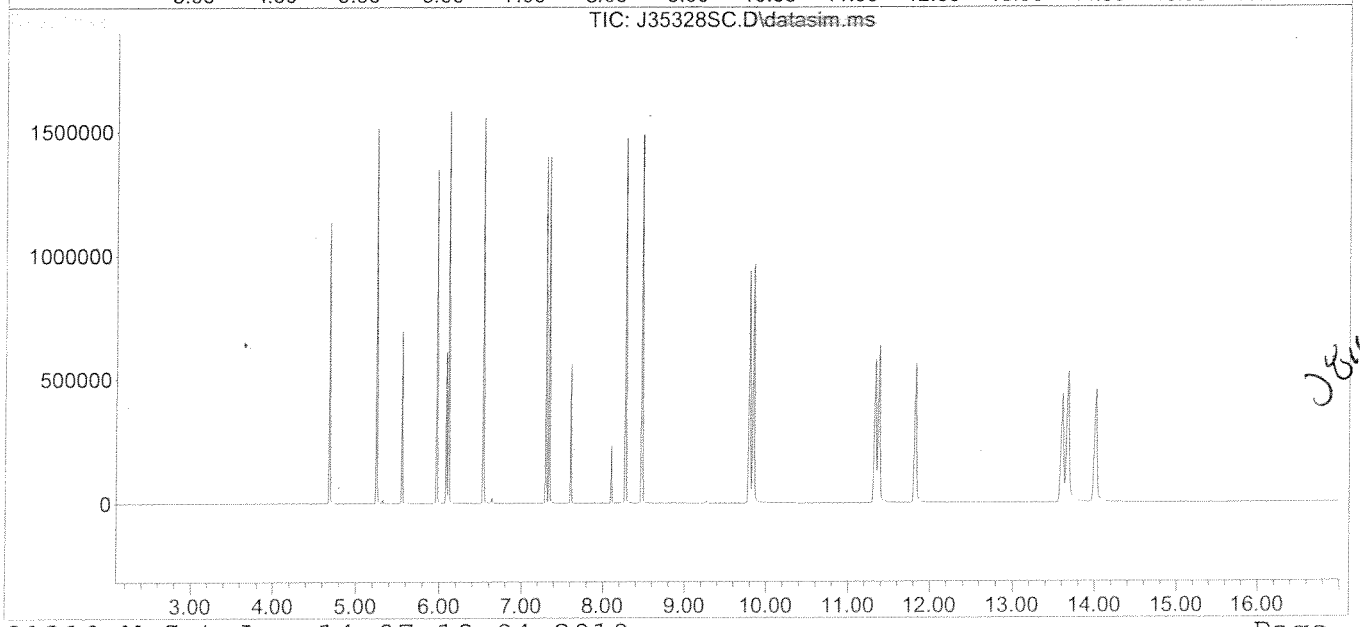
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35328SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 6:42 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 07:17:14 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

MK 8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J8140

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

581570

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S9937 ARO 20
Data File ID: J35356SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.6	3.1	
2-Methylnaphthalene	20.7	3.7	
Acenaphthylene	20.7	3.3	
Acenaphthene	18.2	8.9	
Fluorene	18.4	8.2	
Phenanthrene	20.4	2.0	
Anthracene	20.1	0.5	
2-Fluorobiphenyl	12.3	2.3	
2-Bromonaphthalene	11.1	7.2	
o-terphenyl	8.0	0.2	
Fluoranthene	20.2	0.8	
Pyrene	20.4	2.2	
Benzo[a]anthracene	20.0	0.1	
Chrysene	20.0	0.2	
Benzo[b] fluoranthene	19.9	0.7	
Benzo[k] fluoranthene	20.1	0.7	
Benzo[a] pyrene	19.8	0.8	
Indeno [1,2,3-cd] pyrene	18.6	6.9	
Dibenz [a,h] anthracene	18.8	5.8	
Benzo(g,h,i) perylene	19.2	4.0	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT 8/16/10

EPH ARO FORM 7

Q

581520

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35356SC.D
Acq On : 14 Aug 2010 5:24 pm
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 09:46:28 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	100908	20.00	ug/ml	0.00

System Monitoring Compounds						
9) 2-Fluorobiphenyl	5.552	172	410108	12.28	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 61.40%			
10) 2-Bromonaphthalene	6.080	206	187187	11.13	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 55.65%			
11) o-terphenyl	7.601	230	233888	8.02	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 40.10%			

Target Compounds						Qvalue
2) Naphthalene	4.680	128	820035	20.61	ug/ml	100
3) 2-Methylnaphthalene	5.244	141	479257	20.74	ug/ml	98
4) Acenaphthylene	5.967	152	899964	20.67	ug/ml	100
5) Acenaphthene	6.110	154	517185	18.23	ug/ml	100
6) Fluorene	6.525	166	673469	18.36	ug/ml	98
7) Phenanthrene	7.296	178	973767	20.41	ug/ml	99
8) Anthracene	7.338	178	945856	20.10	ug/ml	99
12) Fluoranthene	8.270	202	1102344	20.16	ug/ml	99
13) Pyrene	8.472	202	1158037	20.44	ug/ml	98
14) Benzo[a]anthracene	9.794	228	1012630	19.98	ug/ml	100
15) Chrysene	9.841	228	967661	20.04	ug/ml	99
16) Benzo[b] fluoranthene	11.329	252	903096	19.86	ug/ml	100
17) Benzo[k] fluoranthene	11.377	252	899522	20.14	ug/ml	99
18) Benzo[a] pyrene	11.821	252	868089	19.85	ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.600	276	700361	18.63	ug/ml	99
20) Dibenz [a,h] anthracene	13.667	278	691738	18.83	ug/ml	100
21) Benzo(g,h,i) perylene	14.012	276	752090	19.21	ug/ml	99

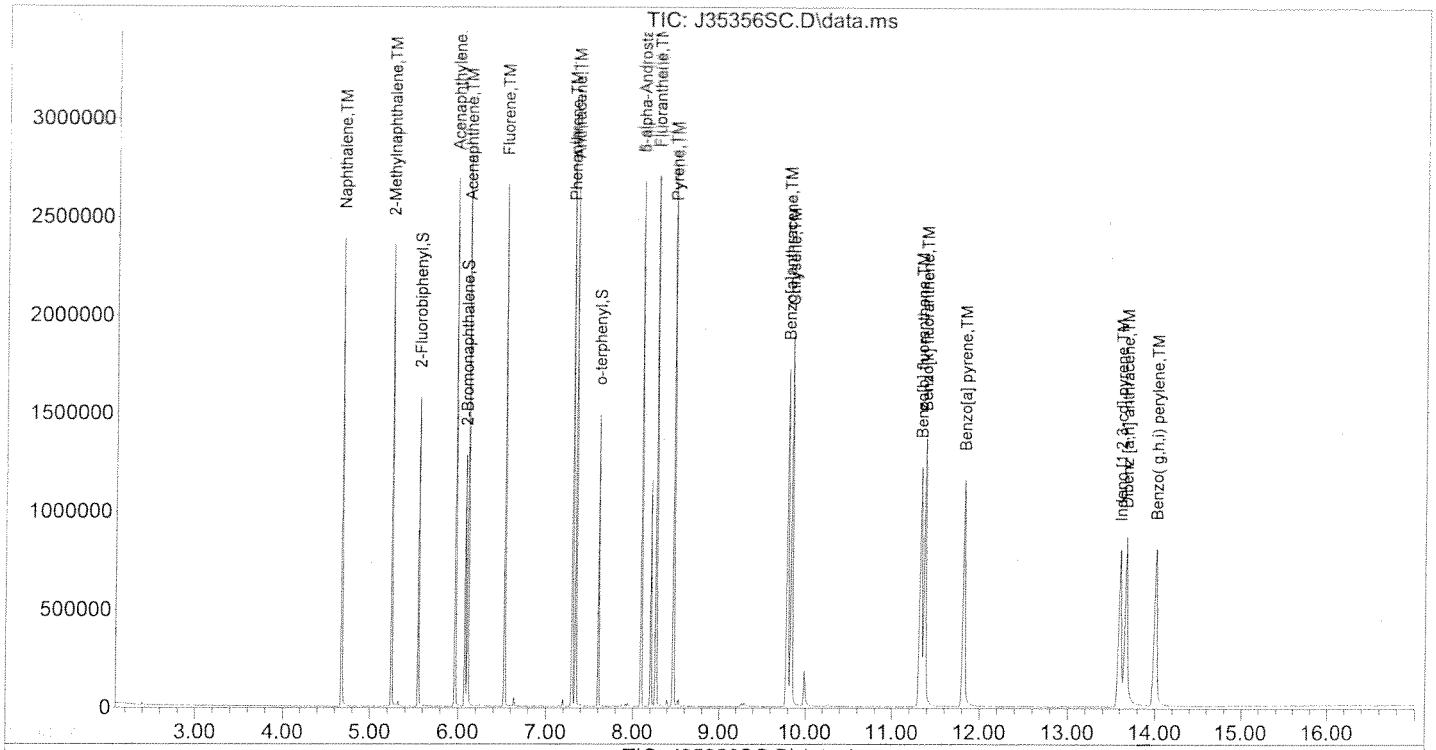
(#) = qualifier out of range (m) = manual integration (+) = signals summed

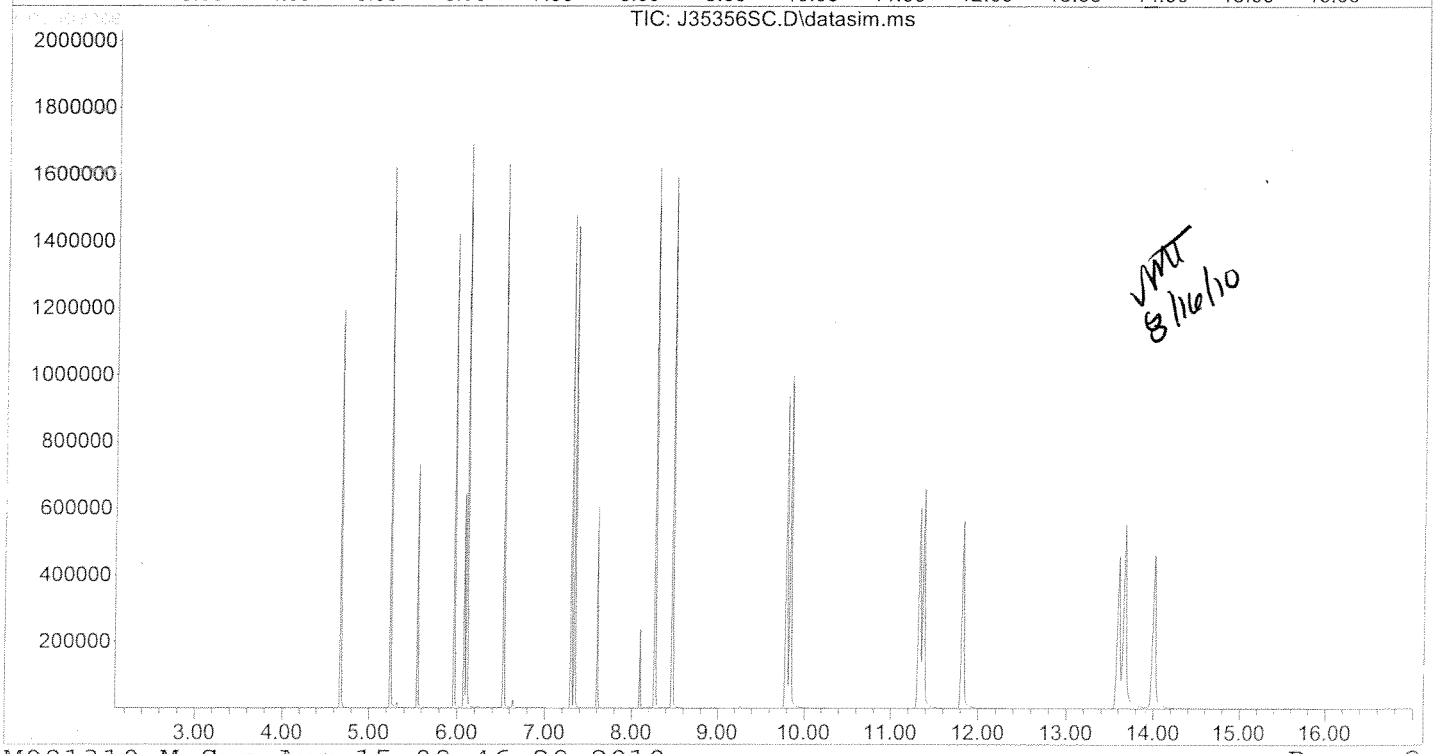
VMT 8/16/10

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35356SC.D
Acq On : 14 Aug 2010 5:24 pm
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

081310

Quant Time: Aug 15 09:46:28 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration





VMT 8/16/10

581520

GC AROMATIC
CLOSING
CONT CALIBRATION
CHECK

Data File Name J35356SC.D
Sample Name S9937 ARO 20
Date Acquired 8/14/2010 17:24

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.67	20	3	20	OK	20.67		
2-Methylnaphthalene	20.55	20	3	20	OK	20.55		
Acenaphthylene	20.71	20	4	20	OK	20.71		
Acenaphthene	18.44	20	8	20	OK	18.44		
Fluorene	18.65	20	7	20	OK	18.65		
Phenanthrene	20.05	20	0	20	OK	20.05		
Anthracene	19.81	20	1	20	OK	19.81		
Fluoranthene	20.03	20	0	20	OK	20.03		
Pyrene	20.14	20	1	20	OK	20.14		
Benzo[a]anthracene	19.67	20	2	20	OK	19.67		
Chrysene	19.87	20	1	20	OK	19.87		
Benzo[b] fluoranthene	19.34	20	3	20	OK	19.34		
Benzo[k] fluoranthene	20.14	20	1	20	OK	20.14		
Benzo[a] pyrene	19.58	20	2	20	OK	19.58		
Indeno [1,2,3-cd] pyrene	17.82	20	11	20	OK	17.82		
Dibenz [a,h] anthracene	17.41	20	13	20	OK	17.41		
Benzo(g,h,i) perylene	18.71	20	6	20	OK	18.71		
c11-c22		340				331.61	98%	OK

VMT
8/16/10

8/15/2010 11:31 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG PT3SUMPRCTCLOS.CRT

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35356SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:24 pm
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:15 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.099	22004308	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.552	12201668	12.182 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	60.91%
10) S 2-Bromonaphthalene	6.081	9956433	11.009 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	55.05%
11) S o-terphenyl	7.603	10833757	7.923 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	39.62%#
Target Compounds			
2) TZ Naphthalene	4.682	18416224	20.673 ug/ml
3) TZ 2-Methylnaphthalene	5.247	19489966	20.554 ug/ml
4) TZ Acenaphthylene	5.969	19291532	20.707 ug/ml
5) TZ Acenaphthene	6.112	21108245	18.441 ug/ml
6) TZ Fluorene	6.528	22053839	18.650 ug/ml
7) TZ Phenanthrene	7.298	22186167	20.054 ug/ml
8) TZ Anthracene	7.341	20887085	19.808 ug/ml
12) TZ Fluoranthene	8.270	24651223	20.033 ug/ml
13) TZ Pyrene	8.472	25825921	20.137 ug/ml
14) TZ Benzo[a]anthracene	9.794	23633433	19.672 ug/ml
15) TZ Chrysene	9.842	24012460	19.874 ug/ml
16) TZ Benzo[b] fluoranthene	11.328	21604537	19.343 ug/ml
17) TZ Benzo[k] fluoranthene	11.377	22829423	20.142 ug/ml
18) TZ Benzo[a] pyrene	11.822	21612912	19.578 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.603	17460057	17.818 ug/ml
20) TZ Dibenz [a,h] anthracene	13.669	19874368	17.415 ug/ml
21) TZ Benzo(g,h,i) perylene	14.013	19356680	18.715 ug/ml
22) XH c11-c22	12.565	393290582	366.026 ug/ml

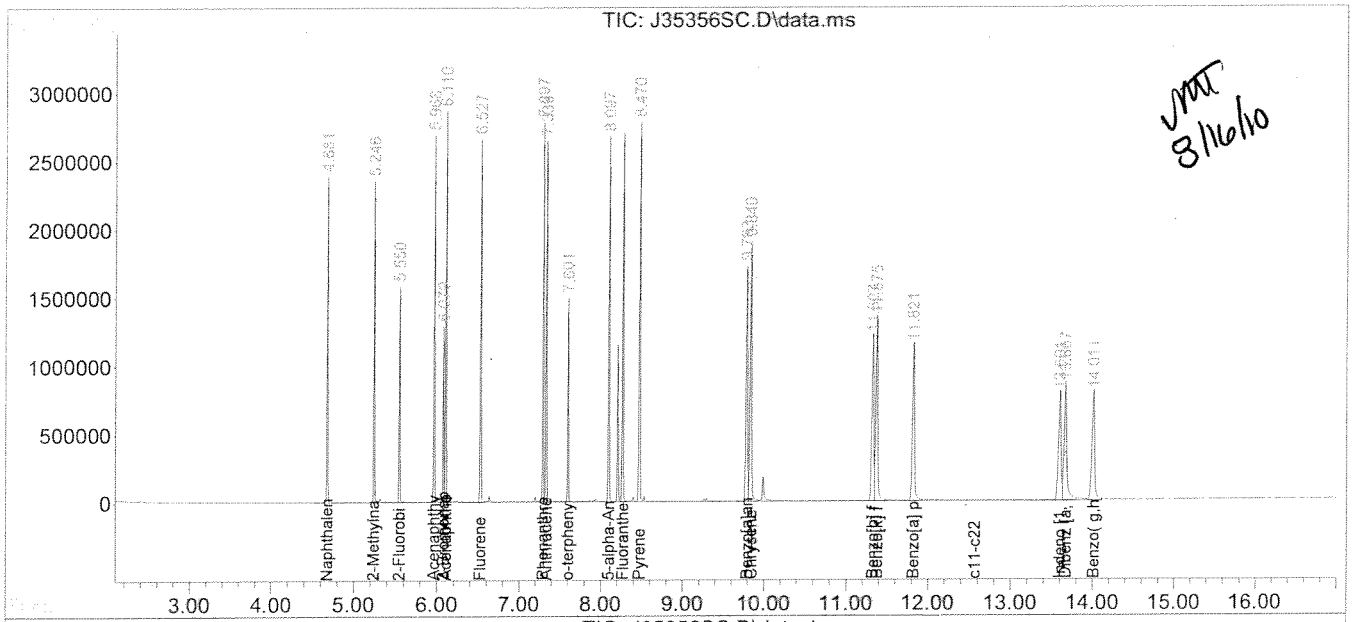
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35356SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:24 pm
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

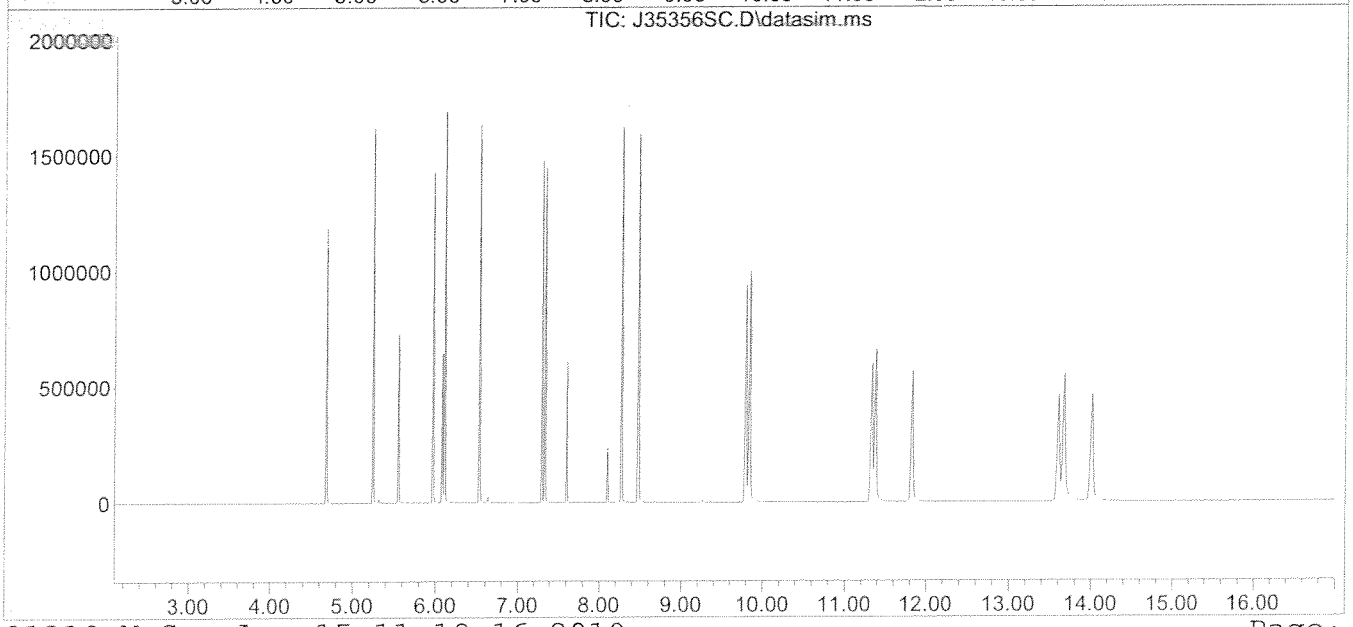
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:15 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

J8130

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



VMT 8/16/10



EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

581570

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S9937 ARO 20
Data File ID: J35358SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.6	3.2	
2-Methylnaphthalene	21.0	4.8	
Acenaphthylene	20.7	3.7	
Acenaphthene	18.4	8.1	
Fluorene	18.5	7.7	
Phenanthrene	20.5	2.7	
Anthracene	20.5	2.3	
2-Fluorobiphenyl	12.5	4.1	
2-Bromonaphthalene	11.2	6.9	
o-terphenyl	8.0	0.2	
Fluoranthene	20.6	3.2	
Pyrene	20.7	3.3	
Benzo[a]anthracene	20.0	0.2	
Chrysene	20.6	2.9	
Benzo[b] fluoranthene	19.8	0.9	
Benzo[k] fluoranthene	20.8	3.8	
Benzo[a] pyrene	20.4	2.1	
Indeno [1,2,3-cd] pyrene	19.3	3.3	
Dibenz [a,h] anthracene	19.6	1.9	
Benzo(g,h,i) perylene	20.1	0.6	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT
8/16/10

EPH ARO FORM 7

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35358SC.D
Acq On : 14 Aug 2010 6:09 pm
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Q

381570

Quant Time: Aug 15 09:46:32 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	97888 ✓	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	404751	12.49 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 62.45%		
10) 2-Bromonaphthalene	6.080	206	182273	11.18 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 55.90%		
11) o-terphenyl	7.601	230	226829	8.02 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 40.10%		
Target Compounds					Qvalue
2) Naphthalene	4.680	128	796898	20.65 ug/ml	100
3) 2-Methylnaphthalene	5.244	141	469998	20.97 ug/ml	98
4) Acenaphthylene	5.968	152	876141	20.74 ug/ml	100
5) Acenaphthene	6.110	154	505955	18.39 ug/ml	100
6) Fluorene	6.525	166	656965	18.47 ug/ml	98
7) Phenanthrene	7.296	178	950591	20.54 ug/ml	99
8) Anthracene	7.339	178	933909	20.46 ug/ml	100
12) Fluoranthene	8.266	202	1094170	20.63 ug/ml	99
13) Pyrene	8.472	202	1135751	20.66 ug/ml	98
14) Benzo[a]anthracene	9.791	228	981313	19.96 ug/ml	100
15) Chrysene	9.838	228	963897	20.58 ug/ml	99
16) Benzo[b] fluoranthene	11.326	252	874324	19.82 ug/ml	100
17) Benzo[k] fluoranthene	11.377	252	899174	20.76 ug/ml	100
18) Benzo[a] pyrene	11.822	252	866202	20.42 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.600	276	705190	19.34 ug/ml	99
20) Dibenz [a,h] anthracene	13.668	278	699254	19.63 ug/ml	99
21) Benzo(g,h,i) perylene	14.013	276	763861	20.11 ug/ml	99

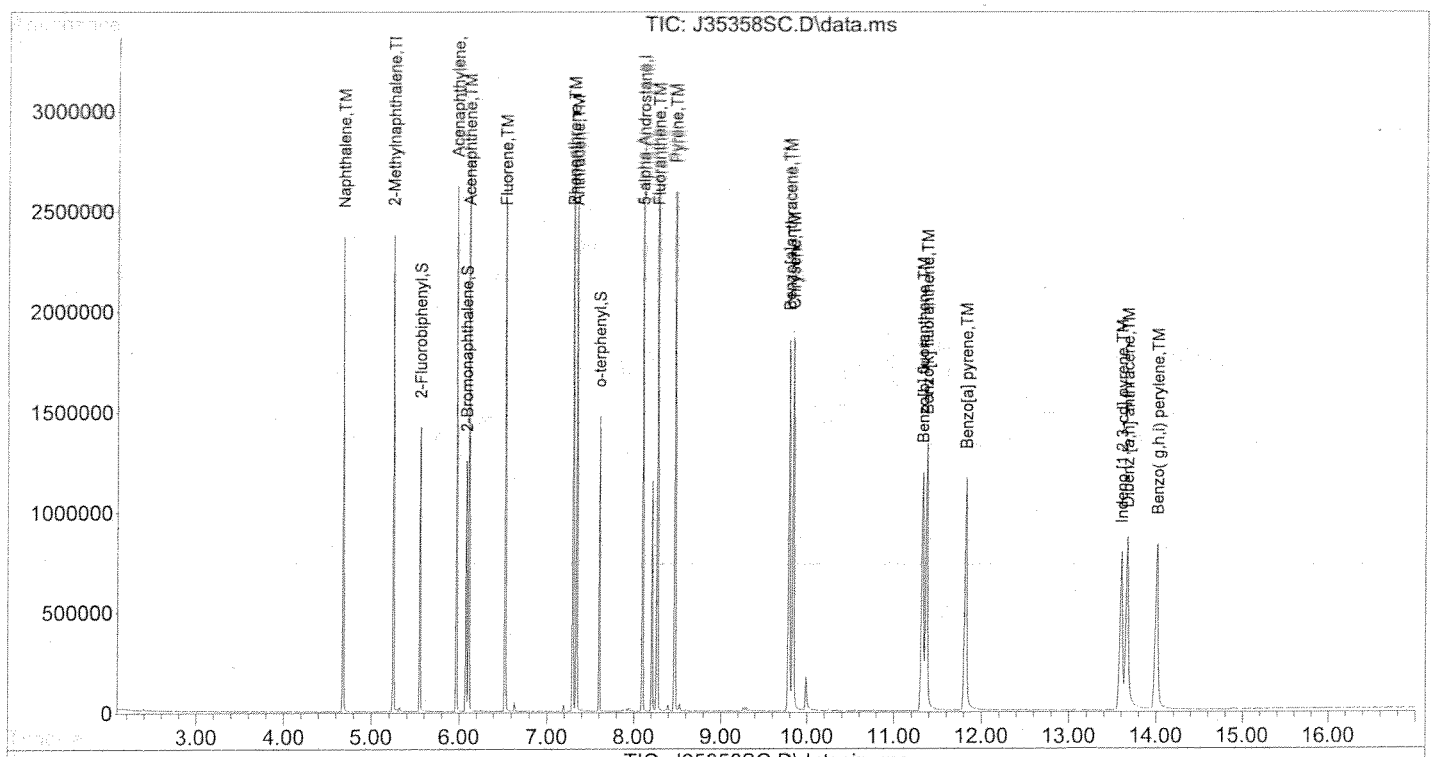
(#) = qualifier out of range (m) = manual integration (+) = signals summed

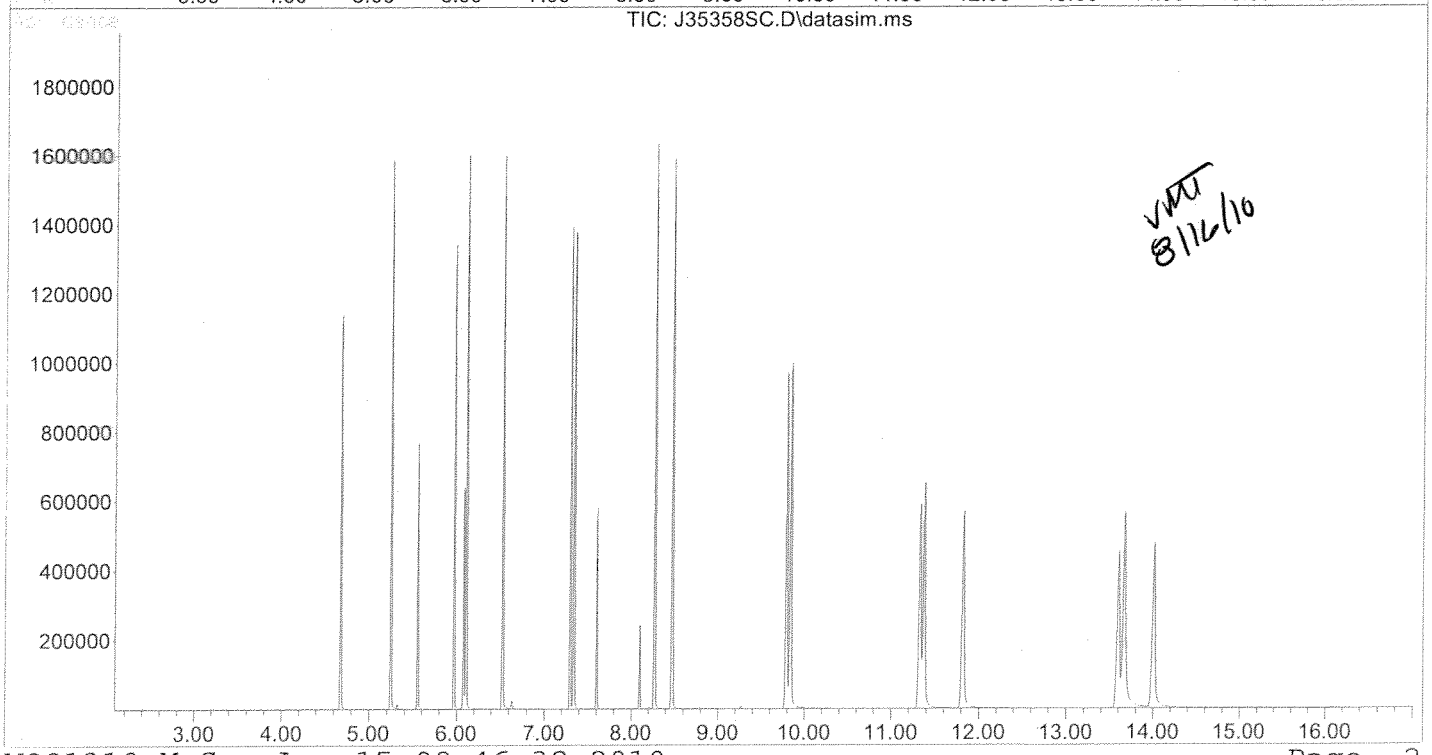
VMT 8/16/10

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35358SC.D
Acq On : 14 Aug 2010 6:09 pm
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

J81510

Quant Time: Aug 15 09:46:32 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration





VMT 8/16/10

591520

GC AROMATIC
CLOSING
CONT CALIBRATION
CHECK

Data File Name J35358SC.D
Sample Name S9937 ARO 20
Date Acquired 8/14/2010 18:09

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.42	20	2	20	OK	20.42		
2-Methylnaphthalene	20.34	20	2	20	OK	20.34		
Acenaphthylene	20.72	20	4	20	OK	20.72		
Acenaphthene	18.40	20	8	20	OK	18.40		
Fluorene	18.45	20	8	20	OK	18.45		
Phenanthrene	20.26	20	1	20	OK	20.26		
Anthracene	19.85	20	1	20	OK	19.85		
Fluoranthene	20.12	20	1	20	OK	20.12		
Pyrene	20.08	20	0	20	OK	20.08		
Benzo[a]anthracene	19.69	20	2	20	OK	19.69		
Chrysene	19.96	20	0	20	OK	19.96		
Benzo[b] fluoranthene	19.45	20	3	20	OK	19.45		
Benzo[k] fluoranthene	20.13	20	1	20	OK	20.13		
Benzo[a] pyrene	19.79	20	1	20	OK	19.79		
Indeno [1,2,3-cd] pyrene	18.32	20	8	20	OK	18.32		
Dibenz [a,h] anthracene	17.98	20	10	20	OK	17.98		
Benzo(g,h,i) perylene	19.57	20	2	20	OK	19.57		
c11-c22		340				333.53	98%	OK

VMC 8/16/10

8/15/2010 11:31 AM

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35358SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 6:09 pm
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Q

S 81570

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:17 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

VMT 8/16/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.098	21591349	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.552	11984095	12.193 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	60.97%
10) S 2-Bromonaphthalene	6.081	9709548	10.939 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	54.70%
11) S o-terphenyl	7.603	10580897	7.887 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	39.43%#
Target Compounds			
2) TZ Naphthalene	4.682	17845745	20.416 ug/ml
3) TZ 2-Methylnaphthalene	5.247	18928513	20.344 ug/ml
4) TZ Acenaphthylene	5.969	18943926	20.722 ug/ml
5) TZ Acenaphthene	6.112	20664231	18.396 ug/ml
6) TZ Fluorene	6.528	21414548	18.448 ug/ml
7) TZ Phenanthrene	7.298	21995663	20.262 ug/ml
8) TZ Anthracene	7.340	20539847	19.851 ug/ml
12) TZ Fluoranthene	8.270	24299070	20.124 ug/ml
13) TZ Pyrene	8.471	25266661	20.078 ug/ml
14) TZ Benzo[a]anthracene	9.793	23206907	19.687 ug/ml
15) TZ Chrysene	9.840	23667147	19.963 ug/ml
16) TZ Benzo[b] fluoranthene	11.327	21318869	19.453 ug/ml
17) TZ Benzo[k] fluoranthene	11.377	22393580	20.135 ug/ml
18) TZ Benzo[a] pyrene	11.824	21436456	19.790 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.603	17613268	18.318 ug/ml
20) TZ Dibenz [a,h] anthracene	13.670	20116364	17.980 ug/ml
21) TZ Benzo(g,h,i) perylene	14.013	19858590	19.567 ug/ml
22) XH c11-c22	12.565	386771206	366.843 ug/ml

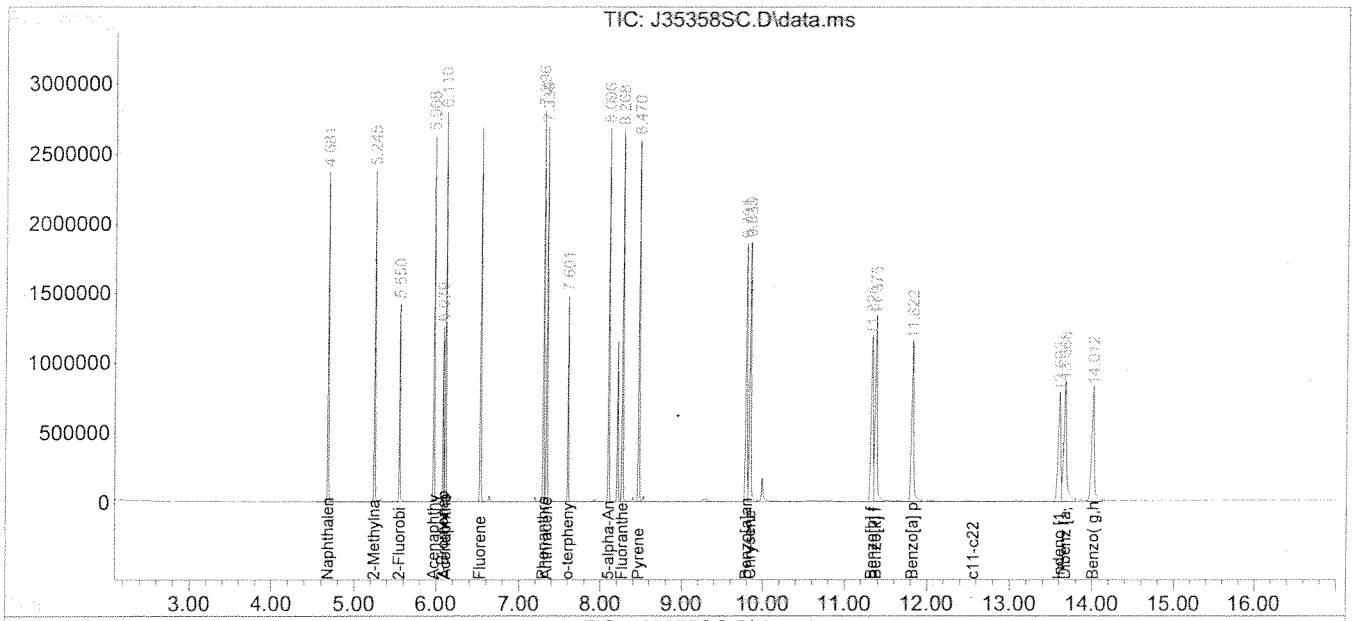
(f)=RT Delta > 1/2 Window (m)=manual int.

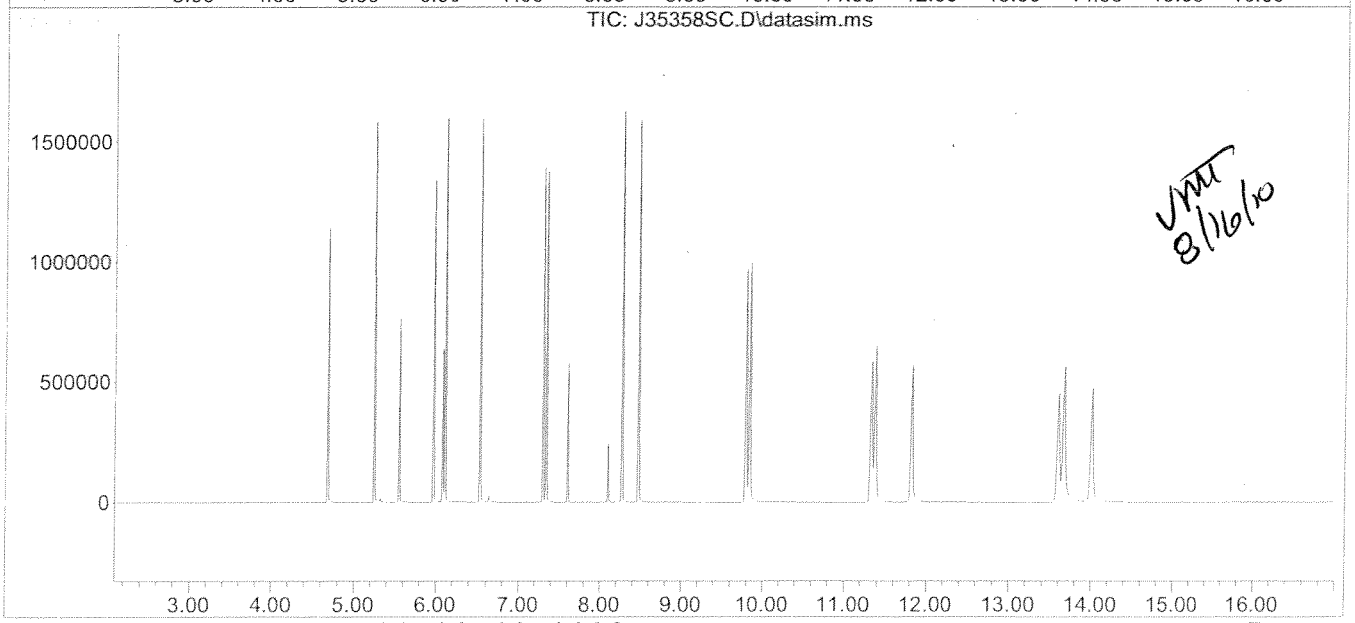
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35358SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 6:09 pm
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:17 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

35|6|6

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/16/10

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	6995120		11.02	
Upper Limit	13990240		11.08	
Lower limit	3497560		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9700 ALI 5	6392680		11.02	
S9701 ALI 10	6336220		11.02	
S9702 ALI 20	7097680		11.02	
S9704 ALI 50	6719900		11.02	
S9705 ALI 100	6944560		11.02	
S9715 ALI 20 ICV	6985250		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Tune Time : 5 Aug 2010 1:47 am

Daily Calibration File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D

Sh GC

8/6/10

6995120

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71447SI.D	S9700 AL	9*	6392677
D71448SI.D	S9701 AL	19*	6336218
D71449SI.D	S9702 AL	39*	7097682
D71451SI.D	S9704 AL	106	6719901
D71452SI.D	S9705 AL	210*	6944560
D71453.D	S9715 AL	96	6985246

t - fails 12hr time check * - fails criteria

Created: Fri Aug 06 01:53:06 2010 GC
MS Ins

JB 8/10

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	39978		11.02	
Upper Limit	79956		11.08	
Lower limit	19989		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	39531		11.01	
S9707 ARO 5	38539		11.02	
S9708 ARO 10	37361		11.02	
S9710 ARO 50	35122		11.02	
S9711 ARO 100	33554		11.02	
S9716 ARO 20 ICV	30229		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Tune Time : 5 Aug 2010 1:47 am

SRO MS

Daily Calibration File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D

MV 8/6/10

39978

File	Sample	Surrogate Recovery %			Internal Standard Responses
D71454SI.D	S9706 AR	6*	5*	4*	39531
D71455SI.D	S9707 AR	14*	14*	9*	38539
D71456SI.D	S9708 AR	29*	29*	20*	37361
D71458SI.D	S9710 AR	158*	158*	103	35122
D71459SI.D	S9711 AR	323*	334*	223*	33554
D71460.D	S9716 AR	0*	0*	116	30229

t - fails 12hr time check * - fails criteria

Created: Fri Aug 06 00:58:33 2010 GC MS Ins

2590

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Tune Time : 5 Aug 2010 1:47 am

SRO GC

Daily Calibration File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D

8/6/10

7445710

File	Sample	Surrogate Recovery %			Internal Standard Responses
D71454SI.D	S9706 AR	5*	4*	3*	7321140
D71455SI.D	S9707 AR	14*	8*	7*	7034296
D71456SI.D	S9708 AR	28*	24*	14*	6843375
D71458SI.D	S9710 AR	149*	149*	72	6487126
D71459SI.D	S9711 AR	310*	313*	151*	6270986
D71460.D	S9716 AR	1*	170*	110	5726956

t - fails 12hr time check * - fails criteria

Created: Fri Aug 06 01:54:22 2010 GC MS Ins

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	10504500		10.95	
Upper Limit	21009000		11.01	
Lower limit	5252250		10.89	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	7719890		10.94	
B080110EASE	6313540		10.94	
L080110EASE	5494030		10.94	
LD08110EASE	5734900		10.94	
67494-5	5738650		10.94	
67494-6	5905840		10.94	
S9936 ALI 40	11479700		10.94	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Tune File : D:\HPCHEM\1\DATA\081210-D\D71740T.D
Tune Time : 12 Aug 2010 10:03 am

Daily Calibration File : D:\HPCHEM\1\DATA\081210-D\D71741SC.D

10504500

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71743.D	HEXANE W	0*	7719893
D71744B.D	B080110E	56	6313538
D71745Q.D	L080110E	61	5494028
D71746Q.D	LD08110E	66	5734896
D71750.D	67494-5	42	5738654
D71751.D	67494-6	46	5905835
D71754.D	67433-2,	50	7130223
D71756.D	67393-11	47	6268955
D71760SC.D	S9936 AL	81	11479710
D71762SC.D	S9936 AL	80	11353705

t - fails 12hr time check * - fails criteria

Created: Fri Aug 13 01:11:25 2010 GC
MS Ins

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67494

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	54514		10.94	
Upper Limit	109028		11.00	
Lower limit	27257		10.88	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	41184		10.94	
B08110EASE	31322		10.94	
L08110EASE	28385		10.94	
LD08110EASE	26552	*	10.94	
67494-5	29729		10.94	
67494-6	31578		10.94	
S9937 ARO 20	63935		10.94	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Tune File : D:\HPCHEM\1\DATA\081210-D\D71740T.D
Tune Time : 12 Aug 2010 10:03 am

Daily Calibration File : D:\HPCHEM\1\DATA\081210-D\D71742SC.D

54514

File	Sample	Surrogate Recovery %			Internal Standard Responses
D71743.D	HEXANE W	0*	0*	0*	41184
D71745Q.D	L080110E	0*	4*	0*	29031
D71746Q.D	LD08110E	0*	1*	0*	30273
D71747B.D	B08110EA	79	76	83	31322
D71748Q.D	L08110EA	82	77	87	28385
D71749Q.D	LD08110E	85	83	89	26552*
D71752.D	67494-5	88	83	59	29729
D71753.D	67494-6	81	78	62	31578
D71755.D	67433-2,	60	65	58	39735
D71757.D	67393-11	77	78	57	33163
D71761SC.D	S9937 AR	61	65	44	63935
D71763SC.D	S9937 AR	61	64	46	65160

t - fails 12hr time check * - fails criteria

Created: Thu Aug 12 23:27:14 2010 GC
MS Ins

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	103378		8.10	
Upper Limit	206756		8.16	
Lower limit	51689		8.04	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	99471		8.10	
S9707 ARO 5	100114		8.10	
S9708 ARO 10	96829		8.10	
S9937 ARO 20	103378		8.10	
S9710 ARO 50	90532		8.10	
S9711 ARO 100	93720		8.10	
S9716 ARO 20 ICV	100378		8.10	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Tune File : C:\msdchem\1\DATA\081310-J\J35315T.D
Tune Time : 14 Aug 2010 1:45 am

Daily Calibration File : C:\msdchem\1\DATA\081310-J\J35322SI.D

103378

File	Sample	Surrogate Recovery %			Internal Standard Responses
J35319SI.D					
	S9706 ARO	6*	5*	4*	99471
J35320SI.D					
	S9707 ARO	16*	18*	10*	100114
J35321SI.D					
	S9708 ARO	32*	40	20*	96829
J35323SI.D					
	S9710 ARO	156*	179*	99	90532
J35324SI.D					
	S9711 ARO	261*	197*	182*	93720
J35325.D					
	S9716 ARO	0*	4*	100	100378

(fails) - fails 12hr time check * - fails criteria

Created: Sat Aug 14 06:12:37 2010 Instrument J

Tune File : D:\HPCHEM\1\DATA\081210-D\D71740T.D
Tune Time : 12 Aug 2010 10:03 am

ARO GC

Daily Calibration File : D:\HPCHEM\1\DATA\081210-D\D71742SC.D

8/13/10

10274900

File	Sample	Surrogate Recovery %			Internal Standard Responses	
D71743.D	HEXANE W	0*	0*	0*	7715310	
D71747B.D	B08110EA	74	86	77	5912880	
D71752.D	67494-5	84	99	56	5574814	
D71753.D	67494-6	76	90	60	5936729	
D71755.D	67433-2,	60	122	403*	12967315	pr 1:5
D71757.D	67393-11	72	87	54	6268050	
D71761SC.D	S9937 AR	57	66	40	12207972	
D71763SC.D	S9937 AR	57	65	43	12426368	

t - fails 12hr time check * - fails criteria

Created: Fri Aug 13 01:12:22 2010 GC
MS Ins

581310

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	22359200		8.10	
Upper Limit	44718400		8.16	
Lower limit	11179600		8.04	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	21611900		8.10	
S9707 ARO 5	21507400		8.10	
S9708 ARO 10	21039600		8.10	
S9937 ARO 20	22359200		8.10	
S9710 ARO 50	19848600		8.10	
S9711 ARO 100	20152400		8.10	
S9716 ARO 20 ICV	21822300		8.10	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Tune File : C:\msdchem\1\DATA\081310-J\J35315T.D
Tune Time : 14 Aug 2010 1:45 am

ARO GC

Daily Calibration File : C:\msdchem\1\DATA\081310-J\J35322SI.D

PM 8/14/10

22359200

File	Sample	Surrogate Recovery %			Internal Standard Responses
J35319SI.D					
	S9706 ARO	6*	7*	5*	21611898
J35320SI.D					
	S9707 ARO	16*	16*	11*	21507353
J35321SI.D					
	S9708 ARO	31*	32*	20*	21039600
J35323SI.D					
	S9710 ARO	148*	155*	96	19848586
J35324SI.D					
	S9711 ARO	260*	201*	180*	20152380
J35325.D					
	S9716 ARO	0*	4*	97	21822311

(fails) - fails 12hr time check * - fails criteria

Created: Sat Aug 14 06:51:48 2010 Instrument J

J8320

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	93841		8.10	
Upper Limit	187682		8.16	
Lower limit	46921		8.04	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	89967		8.10	
B081110EASE,RR	93621		8.10	
L081110EASE,RR	92626		8.10	
LD081110EASE,RR	87626		8.10	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Tune File : C:\msdchem\1\DATA\081310-J\J35327T.D
Tune Time : 14 Aug 2010 6:19 am

Daily Calibration File : C:\msdchem\1\DATA\081310-J\J35328SC.D

J35150
ARO MS
FULL

File	Sample	Surrogate Recovery %				Internal Standard Responses
						93841
J35328SC.D	S9937 ARO	61	55	40*		93841
J35330.D	HEXANE W/I	0*	4*	0*	NUSUR	89967
J35333B.D	B081210EW	89	70	85		82135
J35334Q.D	L081210EW	77	66	75		91950
J35335Q.D	LD081210EW	73	65	76		86121
J35336Q.D	L081210EW	0*	6*	0*	ALI BKT	90171
J35337Q.D	LD081210EW	0*	6*	0*	ALI BKT	94281
J35338B.D	B081110EAS	77	69	76		93621
J35339Q.D	L081110EAS	82	68	77		92626
J35340Q.D	LD081110EA	87	74	83		87626
J35341.D	67433-2 RX	15*	16*	13*	5X	89539
J35342.D	67470-2	36*	34*	23*	2X	102833
J35343.D	67393-3 RX	82	73	82		84112
J35344.D	67471-1	85	73	81		85400
J35345.D	67471-2	82	68	78		84745
J35346.D	67471-3	84	73	76		86498
J35347.D	67480-1	85	74	78		87452
J35348.D	67481-1	85	67	83		97699
J35349.D	67487-19	81	67	81		86861

VMT
8/16/10

J35350SP.D

	67487-19,M	85	72	82	89948

J35351SP.D

	67487-19,M	79	68	83	82362

J35352.D

	67487-20	82	69	83	98345

J35353.D

	67487-21	43	62	71	84022

J35354.D

	67499-2	81	73	79	85305

J35355.D

	67499-3	73	67	75	90890

J35356SC.D

	S9937 ARO	61	56	40	100908

J35358SC.D

	S9937 ARO	62	56	40	97888

(fails) - fails 12hr time check * - fails criteria

Created: Sun Aug 15 10:24:44 2010 Instrument J

Daily Calibration File : C:\msdchem\1\DATA\081310-J\J35328SC.D
Time Acquired : 14 Aug 2010 6:42 am

ARO GC

J81510

20284600

File	Sample	Surrogate Recovery %				Internal Standard Responses
J35328SC.D	S9937 ARO	61	56	40*		20284607
J35330.D	HEXANE W/I	0*	4*	0*		19662028
J35333B.D	B081210EW	88	73	83		17869622
J35338B.D	B081110EAS	77	72	75		20232597
J35342.D	67470-2	35*	36*	26*	2X	22816851
J35343.D	67393-3 RX	81	73	80		18399606
J35344.D	67471-1	85	74	79		18551800
J35345.D	67471-2	81	68	75		18832062
J35346.D	67471-3	83	74	74		19033563
J35347.D	67480-1	84	75	76		19110241
J35348.D	67481-1	83	68	80		21467979
J35349.D	67487-19	79	68	78		19148744
J35352.D	67487-20	80	70	79		21706442
J35353.D	67487-21	39*	63	70		18382002
J35354.D	67499-2	81	75	77		18542276
J35355.D	67499-3	78	73	75		19952771
J35356SC.D	S9937 ARO	61	55	40*		22004308
J35358SC.D	S9937 ARO	61	55	39*		21591349

VMT 8/16/10

(fails) - fails 12hr time check * - fails criteria

Created: Sun Aug 15 11:54:24 2010 Instrument J

PESTICIDE
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Field Sample ID: Lab QC

Lab Sample ID: B081110PAS
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 08/11/10
Analysis Date: 08/15/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	74	%
Decachlorobiphenyl	63	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18977B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 11:15 am
Operator : SMC
Sample : B081110PAS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 13:28:22 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 8-16-10

ND Pest
ND C/T

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
1) S TCX	2.026	1.700	229.1E6	331.6E6	71.124	74.256	
Spiked Amount 100.000 Range 46 - 122 Recovery = 71.12% 74.26% ✓							
23) S DCB	6.254	5.547	122.9E6	240.3E6	64.101	63.055	
Spiked Amount 100.000 Range 40 - 135 Recovery = 64.10% 63.05% ✓							
Target Compounds							
2) TM HEXACHLOR...	2.354	1.908	2863624	8320395	1.179	1.667	#
3) TM A-BHC	2.442	1.988	408096	910697	1.862	1.828	
4) TM G-BHC	2.721	2.189	107020	1678981	1.528	1.731	
5) TM B-BHC	2.784	2.260	39136	825511	N.D.	0.718	
6) TM D-BHC	2.993	2.362	282827	1733656	1.665	1.827	
7) TM HEPTACHLOR	3.039	2.491	861035	2310709	0.736	1.331	#
8) TM ALDRIN	3.317	2.725	90755	1357208	0.471	1.227	#
9) TM HEPTACHLO...	3.780	3.134	87084	175788	0.064	0.727	#
11) TM A-CHLORDANE	4.125	3.349	9945	164851	N.D.	0.949	
12) TM ENDOSULFAN I	4.125	3.471	9945	204605	N.D.	0.268	
13) TM 4,4-DDE	4.200	3.378	26975	305522	0.391	2.001	#
14) TM DIELDRIN	4.341	3.611	73001	248339	0.375	1.071	#
15) TM ENDRIN	4.600	3.760	20268	75543	0.075	0.733	#
16) TM 4,4-DDD	4.695	3.878	26166	306007	N.D.	1.064	
17) TM ENDOSULFA...	4.755	3.960	278639	1424440	N.D.	0.695	
18) TM 4,4-DDT	4.950	4.073	1926387	2044477	0.739	1.134	#
20) TM ENODOSULF...	5.220	4.663	1874690	255348	0.154	0.611	#
22) TM ENDRIN KE...	5.579	4.845	1313064	2482309	0.658	0.912	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

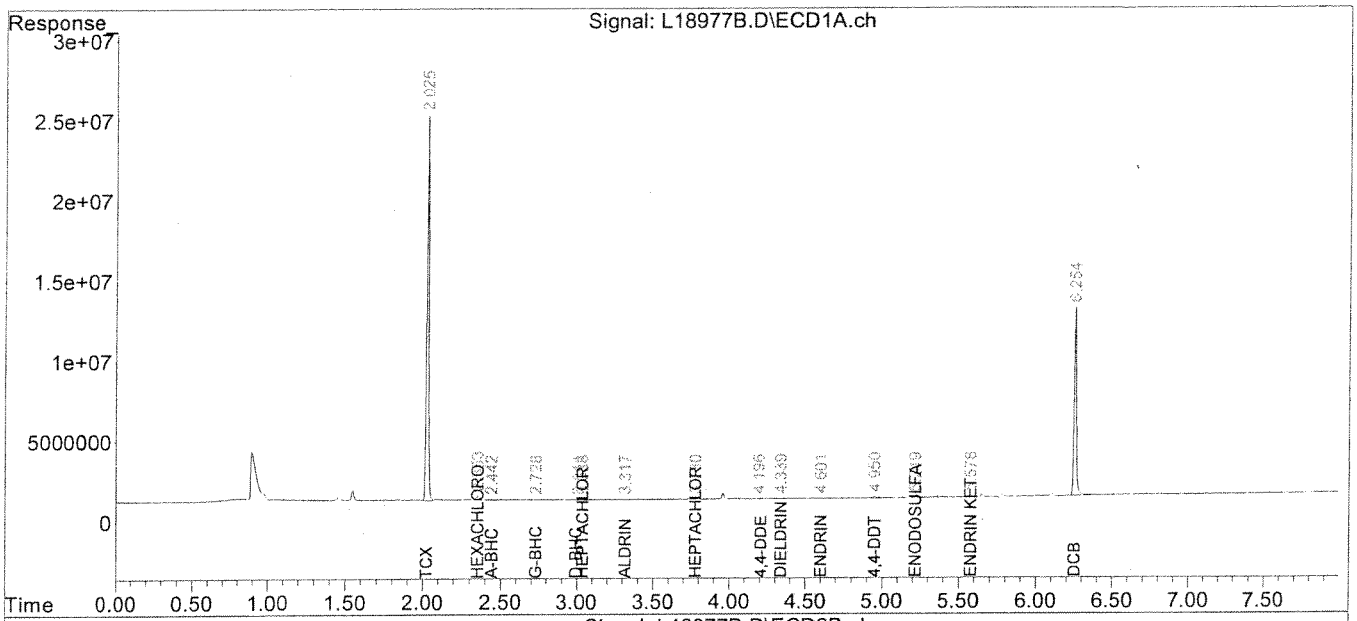
581710

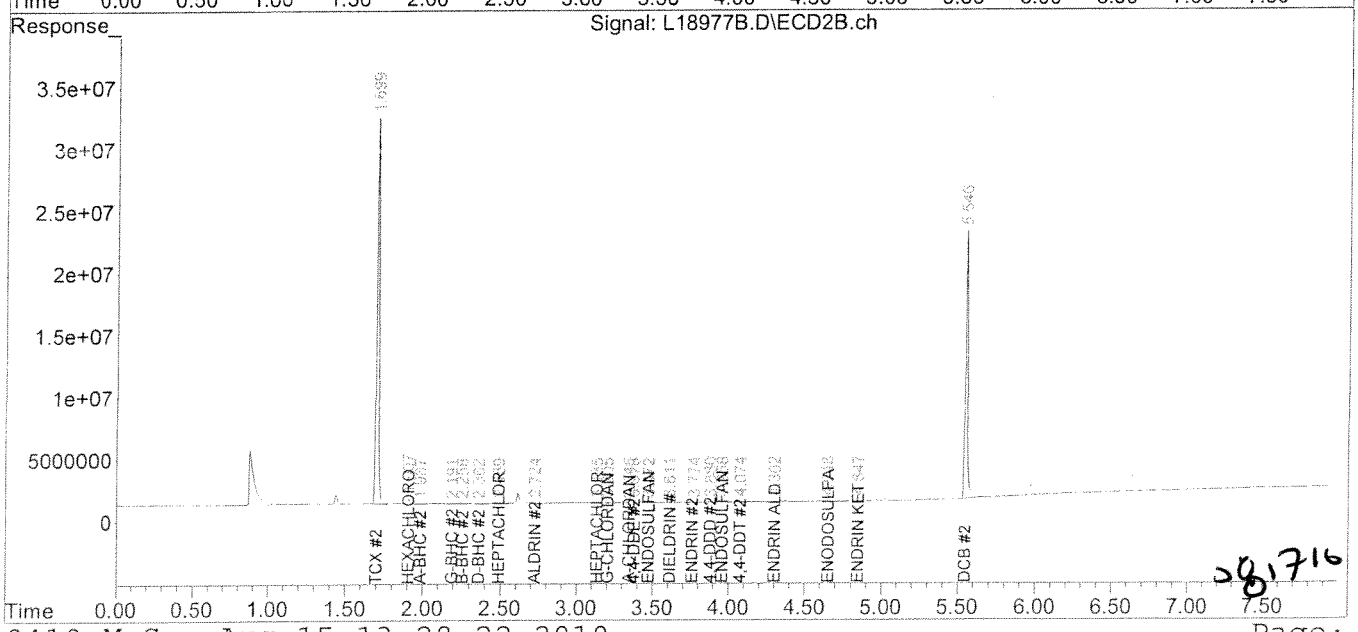
Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18977B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 11:15 am
Operator : SMC
Sample : B081110PAS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 13:28:22 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 8.16.10

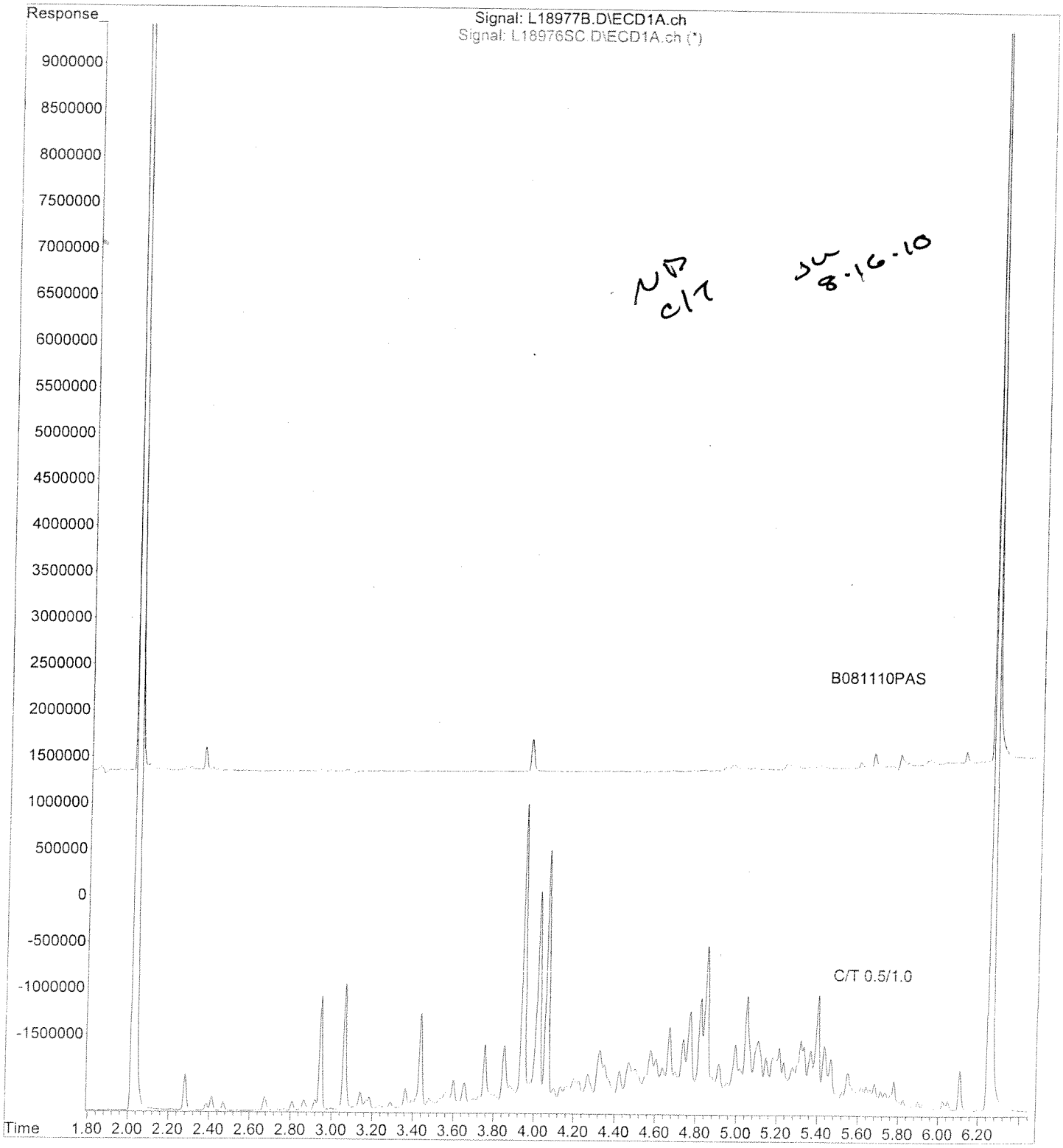
Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





JL 8.16.10

File :C:\msdchem\1\DATA\081510-L\L18977B.D
Operator : SMC
Acquired : 15 Aug 10 11:15 am using AcqMethod PEST.M
Instrument : Inst L
Sample Name: B081110PAS
Misc Info :
Vial Number: 11



NP C17 JW 8-16-10

X017W

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

SAMPLE DATA

Lab Sample ID: B081110PAS RR
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 08/11/10
Analysis Date: 08/15/10

CLIENT SAMPLE ID

Project Name: NASOWEY
Project Number:
Field Sample ID: Lab QC

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	74	%
Decachlorobiphenyl	63	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18996B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 2:20 pm
Operator : SMC
Sample : B081110PAS,RR
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 15:24:22 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

ND Pest
ND c/T
JW 8-16-10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	2.026	1.700	228.5E6	331.1E6	70.934	74.136	
	Spiked Amount	100.000	Range	46 - 122	Recovery	= 70.93%	74.14% ✓	
23)	S DCB	6.254	5.545	123.4E6	241.0E6	64.378	63.232	
	Spiked Amount	100.000	Range	40 - 135	Recovery	= 64.38%	63.23% ✓	
	Target Compounds							
2)	TM HEXACHLOR...	2.354	1.908	3020367	5577551	1.223	1.116	
3)	TM A-BHC	2.446	1.986	81998	930417	1.796	1.831	
4)	TM G-BHC	2.721	2.194	249631	1574756	1.561	1.715	
5)	TM B-BHC	2.789	2.259	63393	1088422	N.D.	0.821	
6)	TM D-BHC	2.998	2.352	287144	996598	1.666	1.710	
7)	TM HEPTACHLOR	3.034	2.489	1265260	3021253	0.842	1.445	#
8)	TM ALDRIN	3.311	2.727	237513	1987687	0.513	1.335	#
9)	TM HEPTACHLO...	3.775	3.135	443873	285494	0.172	0.747	#
10)	TM G-CHLORDANE	3.958	3.205	12516065	446440	0.071	1.162	#
11)	TM A-CHLORDANE	4.055	3.323	84581	506263	N.D.	1.013	
12)	TM ENDOSULFAN I	4.109	3.390	11567	697449	N.D.	0.358	
13)	TM 4,4-DDE	4.211	3.390	56916	697449	0.400	2.082	#
14)	TM DIELDRIN	4.348	3.612	99068	434266	0.382	1.103	#
15)	TM ENDRIN	4.592	3.779	71822	92850	0.092	0.736	#
16)	TM 4,4-DDD	4.692	3.877	11251	401840	N.D.	1.086	
17)	TM ENDOSULFA...	4.807	3.955	527545	2017219	N.D.	0.816	
18)	TM 4,4-DDT	4.947	4.068	2344985	2338450	0.885	1.193	#
20)	TM ENODOSULF...	5.224	4.647	1826307	255462	0.136	0.611	#
22)	TM ENDRIN KE...	5.576	4.887	2375357	1916623	0.996	0.806	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

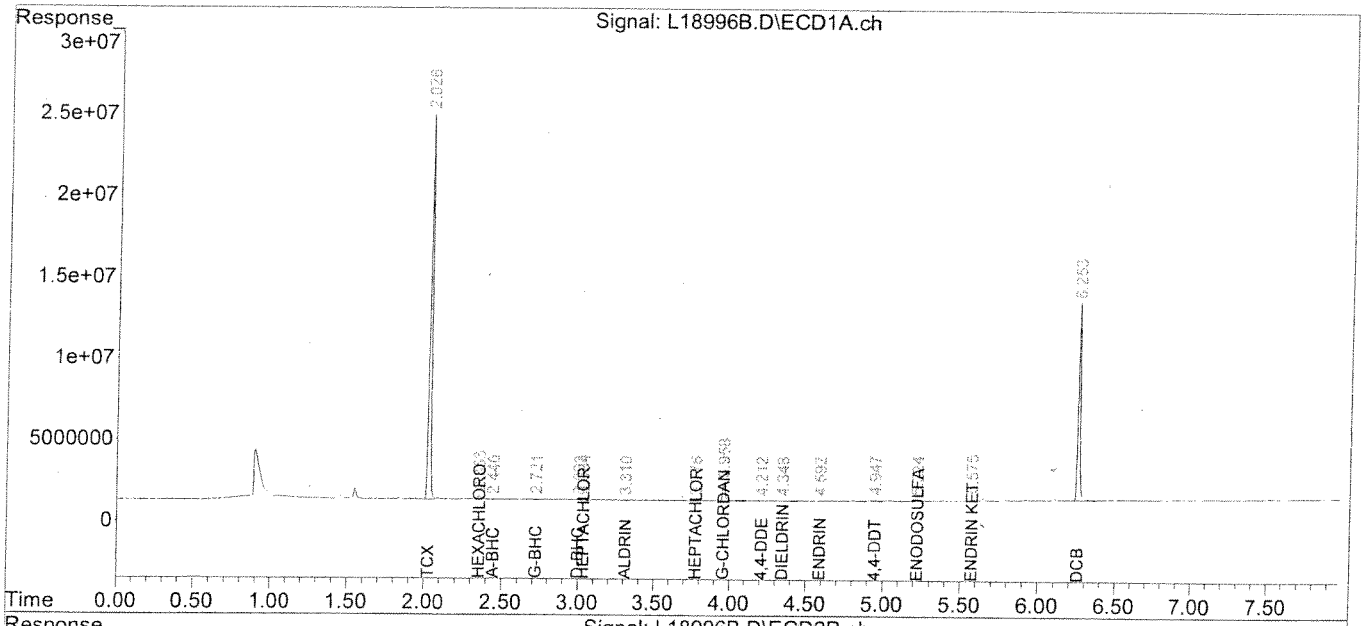
381710

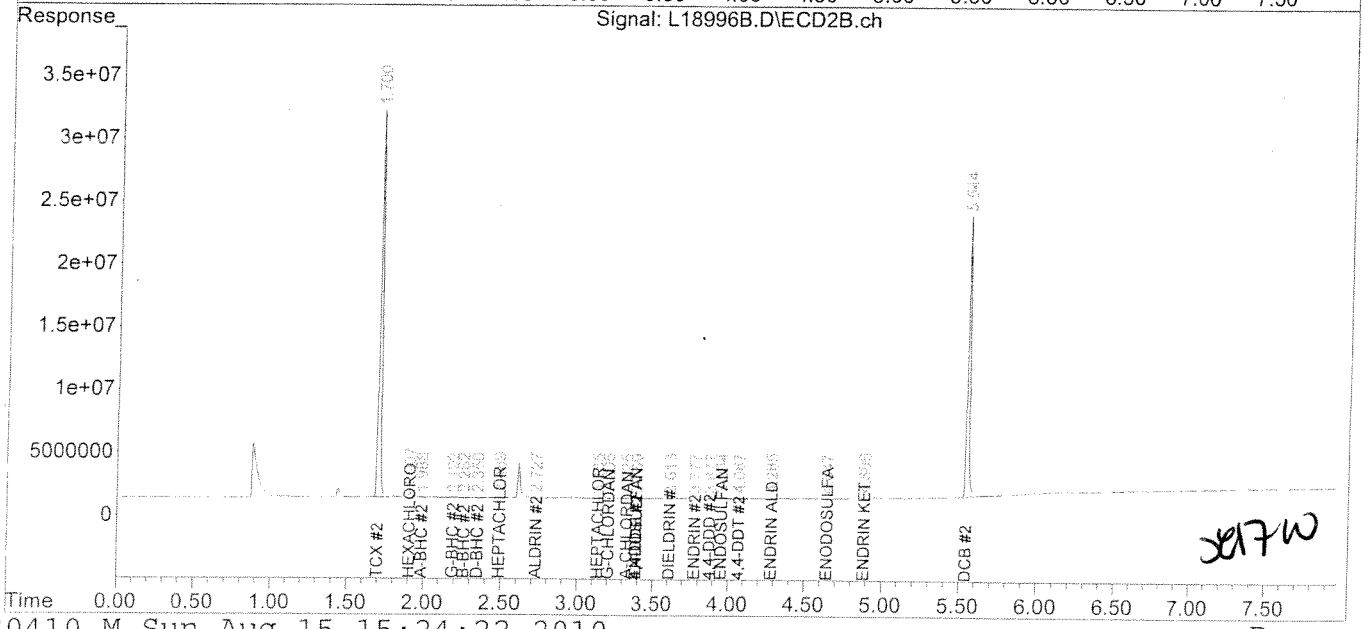
Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18996B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 2:20 pm
Operator : SMC
Sample : B081110PAS,RR
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 15:24:22 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 8.16.10

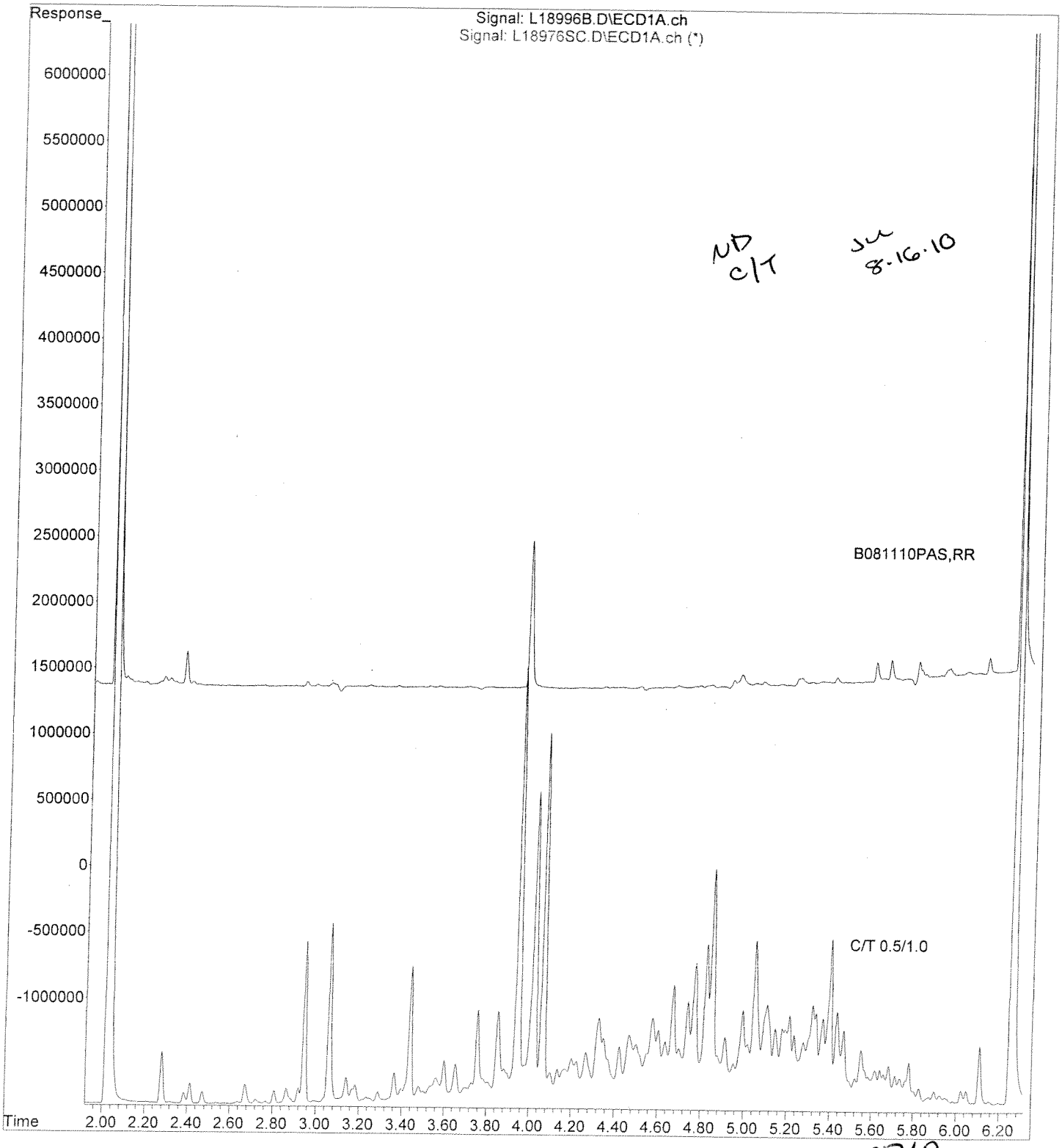
Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





JW 7/10

File :C:\msdchem\1\DATA\081510-L\L18996B.D
Operator : SMC
Acquired : 15 Aug 10 2:20 pm using AcqMethod PEST.M
Instrument : Inst L
Sample Name: B081110PAS,RR
Misc Info :
Vial Number: 11



ND C/T JW 8-16-10

J81710

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

SAMPLE DATA

Lab Sample ID: 67494-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.0
Collection Date: 08/10/10
Lab Receipt Date: 08/11/10
Extraction Date: 08/11/10
Analysis Date: 08/15/10

CLIENT SAMPLE ID

Project Name: NASOWEY

Project Number:

Field Sample ID: FDS-5

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	59	%
Decachlorobiphenyl	50	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 2:30 pm
Operator : SMC
Sample : 67494-6
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 15:24:57 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

ND Pest ND CK JW 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	2.025	1.699	188.3E6	265.7E6	58.589	59.684	
	Spiked Amount	100.000	Range	46 - 122	Recovery	=	58.59%	59.68%
23)	S DCB	6.252	5.543	95529709	183.3E6	49.578	48.177	
	Spiked Amount	100.000	Range	40 - 135	Recovery	=	49.58%	48.18%
	Target Compounds							
2)	TM HEXACHLOR...	2.352	1.905	1179654	2668032	0.706	0.532	
3)	TM A-BHC	2.466	1.990	745388	1887980	1.930	1.967	
4)	TM G-BHC	2.704	2.190	3288112	1584202	2.245	1.716	
5)	TM B-BHC	2.808	2.265	514172	2717200	0.032	1.460	#
6)	TM D-BHC	3.030	2.353	1332488	990816	1.905	1.709	
7)	TM HEPTACHLOR	3.030	2.486	1332488	2972691	0.860	1.437	#
8)	TM ALDRIN	3.339	2.756	228042	2282636	0.510	1.386	#
9)	TM HEPTACHLO...	3.779	3.134	196485	851929	0.097	0.852	#
10)	TM G-CHLORDANE	3.957	3.246	360.0E6	867513	104.536	1.238	#
11)	TM A-CHLORDANE	4.108	3.343	339477	191792	0.077	0.954	#
12)	TM ENDOSULFAN I	4.108	3.388	339477	13390585	N.D.	2.654	
13)	TM 4,4-DDE	4.194	3.388	9216932	13390585	3.210	4.728	#
14)	TM DIELDRIN	4.340	3.611	4438715	2067062	1.649	1.388	
15)	TM ENDRIN	4.594	3.781	945	836080	0.069	0.877	#
16)	TM 4,4-DDD	4.704	3.838	1533783	8331699	0.182	2.930	#
17)	TM ENDOSULFA...	4.784	3.945	3289807	2809171	0.581	0.977	#
18)	TM 4,4-DDT	4.941	4.071	11299934	16075694	4.017	3.960	
19)	TM ENDRIN AL...	5.041	4.282	2497703	1946506	0.122	0.322	#
20)	TM ENODOSULF...	5.207	4.614	16306377	4144561	5.633	1.501	#
21)	TM METHOXYCHLOR	5.417	4.512	4760003	781855	1.961	N.D.	#
22)	TM ENDRIN KE...	5.571	4.866	2775189	7925516	1.123	1.940	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

JW 8.17.10

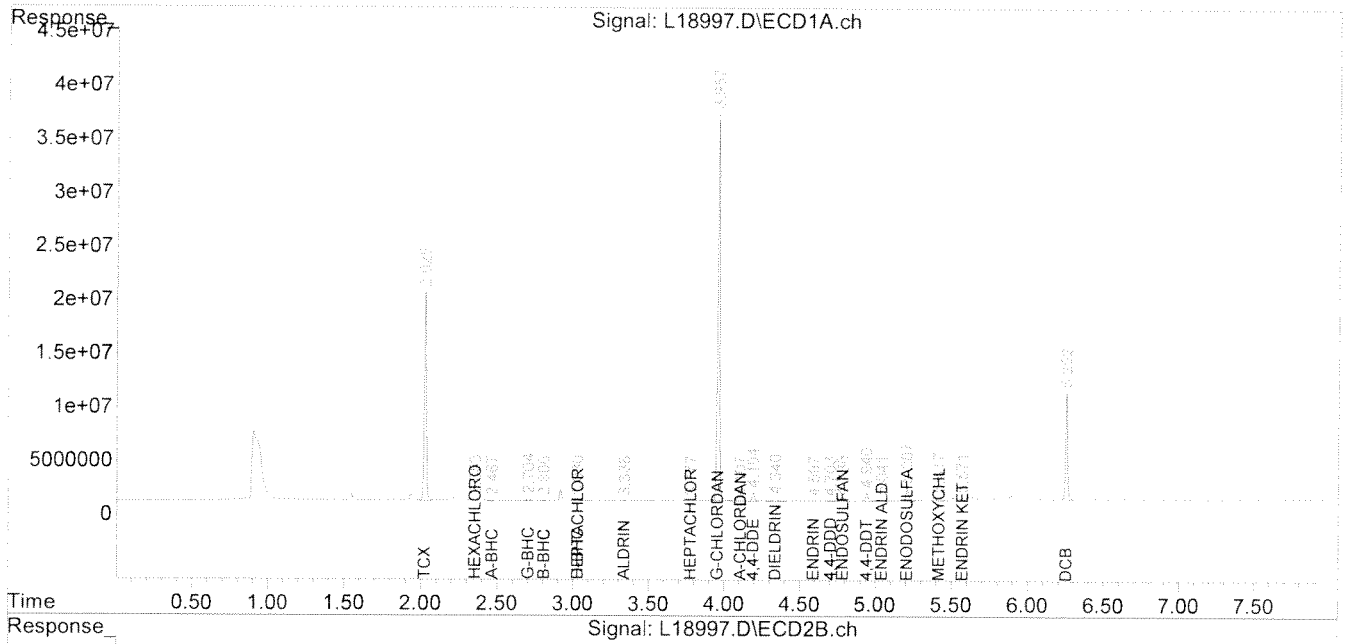
Quantitation Report (Not Reviewed)

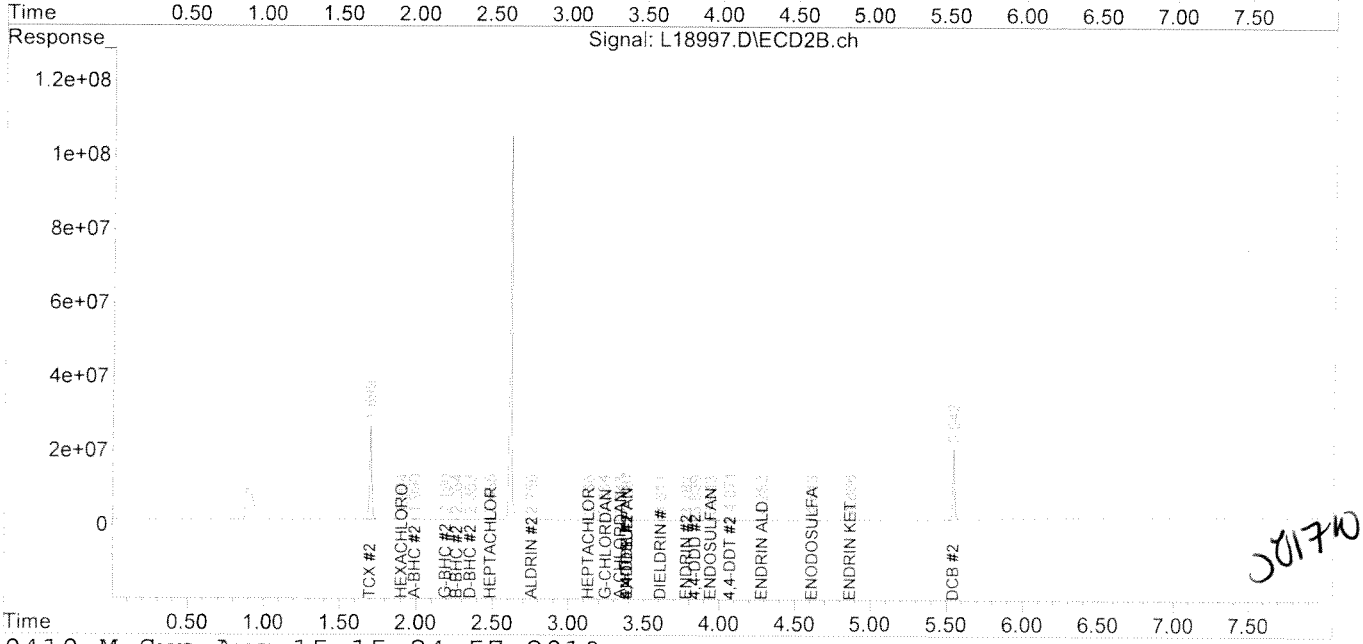
Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 2:30 pm
Operator : SMC
Sample : 67494-6
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 15:24:57 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JC 8-16-10

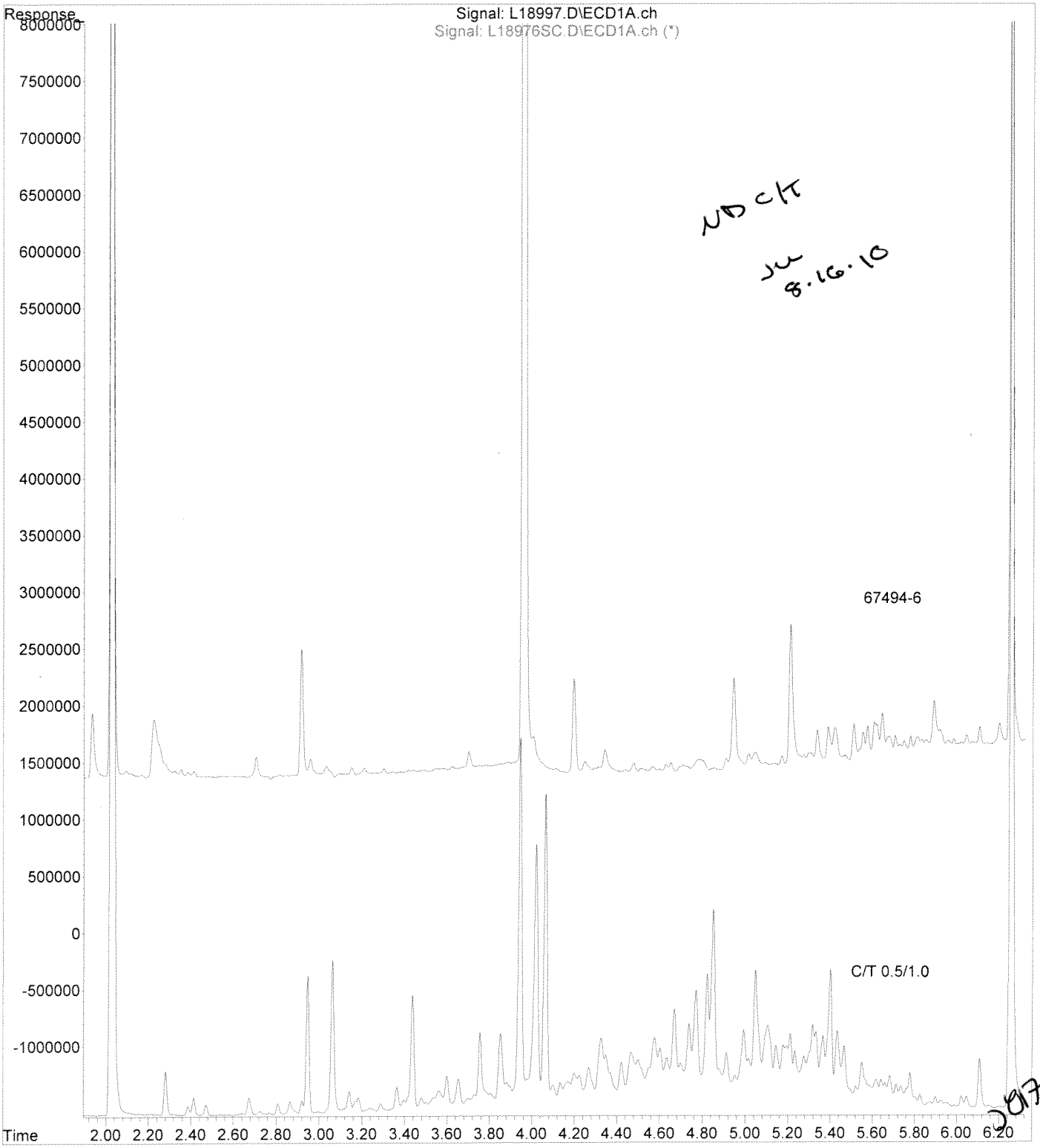
Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





JC 170

File :C:\msdchem\1\DATA\081510-L\L18997.D
Operator : SMC
Acquired : 15 Aug 10 2:30 pm using AcqMethod PEST.M
Instrument : Inst L
Sample Name: 67494-6
Misc Info :
Vial Number: 26



ND CH
JW 8.16.10

D01710

analytics environmental laboratory LLC

PESTICIDE
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:PESTQC.doc

PESTICIDE SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B081110PAS	71		64		74		63	
L081110PAST	88		79		90		78	
LD081110PAST	98		87		101		86	
B081110PAS,RR	71		64		74		63	
67494-6	59		50		60		48	
67494-6,MS	59		48		60		46	
67494-6,MSD	88		74		90		70	

		Lower Limit	Upper Limit
SMC #1 =	TCX	40	130
SMC #2 =	DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Non-spiked sample: B081110PAS
Spike: L081110PAST
Spike duplicate: LD081110PAST

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
HEXACHLOROBENZENE	17	17	60	140	25	0	13	77		14	84		9	
A-BHC	17	17	63	110	30	0	15	89		17	99		11	
G-BHC	17	17	67	118	30	0	15	89		17	100		12	
B-BHC	17	17	66	116	30	0	15	92		17	103		11	
D-BHC	17	17	55	114	30	0	15	90		17	102		12	
HEPTACHLOR	17	17	64	115	30	0	13	80		15	91		12	
ALDRIN	17	17	68	115	30	0	15	87		16	98		12	
HEPTACHLOR EPOXIDE	17	17	69	117	30	0	15	89		16	98		9	
G-CHLORDANE	17	17	69	112	30	0	14	85		15	92		9	
A-CHLORDANE	17	17	70	113	30	0	15	89		16	98		10	
ENDOSULFAN I	17	17	73	117	30	0	15	89		17	100		11	
4,4-DDE	17	17	70	115	30	0	15	89		16	99		10	
DIELDRIN	17	17	71	116	30	0	15	88		16	98		11	
ENDRIN	17	17	79	122	30	0	15	90		17	100		11	
4,4-DDD	17	17	61	116	30	0	15	89		16	99		10	
ENDOSULFAN II	17	17	65	125	30	0	15	89		16	98		10	
4,4-DDT	17	17	72	125	30	0	15	89		17	99		11	
ENDRIN ALDEHYDE	17	17	35	127	30	0	16	95		18	105		11	
ENODOSULFAN SULFATE	17	17	46	128	30	0	15	91		17	101		10	
METHOXYCHLOR	17	17	62	140	30	0	15	93		17	103		10	
ENDRIN KETONE	17	17	70	123	30	0	16	96		18	106		9	
HEXACHLOROBENZENE #2	17	17	60	140	25	0	13	80		15	88		9	
A-BHC #2	17	17	68	110	30	0	15	92		17	103		11	
G-BHC #2	17	17	71	116	30	0	15	93		17	104		12	
B-BHC #2	17	17	76	120	30	0	16	95		18	107		12	
D-BHC #2	17	17	58	116	30	0	16	94		18	106		12	
HEPTACHLOR #2	17	17	68	110	30	0	15	90		17	101		12	
ALDRIN #2	17	17	67	108	30	0	15	90		17	101		11	
HEPTACHLOR EPOXIDE #2	17	17	70	111	30	0	15	88		16	99		11	
G-CHLORDANE #2	17	17	67	109	30	0	15	90		17	100		11	
A-CHLORDANE #2	17	17	71	111	30	0	15	89		16	98		10	
ENDOSULFAN I #2	17	17	71	112	30	0	15	89		16	97		9	
4,4-DDE #2	17	17	68	112	30	0	15	92		17	102		11	
DIELDRIN #2	17	17	70	108	30	0	15	87		16	96		10	
ENDRIN #2	17	17	75	116	30	0	15	92		17	102		11	
4,4-DDD #2	17	17	68	115	30	0	15	91		17	101		11	
ENDOSULFAN II #2	17	17	64	113	30	0	15	89		16	98		9	
4,4-DDT #2	17	17	69	121	30	0	15	90		17	101		12	
ENDRIN ALDEHYDE #2	17	17	37	106	30	0	16	93		17	103		10	
ENODOSULFAN SULFATE #2	17	17	60	113	30	0	15	92		17	102		11	
METHOXYCHLOR #2	17	17	68	126	30	0	15	93		18	105		13	
ENDRIN KETONE #2	17	17	78	117	30	0	16	95		18	106		10	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
LCS/LCSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

JSW 8.26.10
081710

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18978Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 11:25 am
Operator : SMC
Sample : L081110PAST
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 13:28:30 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	2.026	1.700	283.8E6	405.0E6	87.910	90.495
Spiked Amount	100.000	Range	46 - 122	Recovery	= 87.91%	90.50% ✓
23) S DCB	6.253	5.544	150.4E6	298.9E6	78.728	78.327
Spiked Amount	100.000	Range	40 - 135	Recovery	= 78.73%	78.33% ✓
Target Compounds						
2) TM HEXACHLOR...	2.354	1.908	135.9E6	200.3E6	38.561	40.199
3) TM A-BHC	2.445	2.000	211.3E6	312.4E6	44.521	45.989
4) TM G-BHC	2.713	2.189	190.3E6	283.7E6	44.347	46.327
5) TM B-BHC	2.773	2.243	83564080	120.0E6	45.934	47.466
6) TM D-BHC	3.006	2.359	190.4E6	284.5E6	45.021	46.792
7) TM HEPTACHLOR	3.061	2.498	150.1E6	272.4E6	40.112	44.779
8) TM ALDRIN	3.324	2.703	152.5E6	258.1E6	43.551	45.243
9) TM HEPTACHLO...	3.785	3.133	147.2E6	236.0E6	44.444	44.189
10) TM G-CHLORDANE	3.943	3.227	153.4E6	244.1E6	42.437	44.914
11) TM A-CHLORDANE	4.062	3.324	140.8E6	234.9E6	44.338	44.335
12) TM ENDOSULFAN I	4.114	3.426	132.2E6	245.4E6	44.451	44.628
13) TM 4,4-DDE	4.196	3.390	143.8E6	210.9E6	44.497	45.893
14) TM DIELDRIN	4.343	3.608	149.4E6	243.8E6	43.984	43.509
15) TM ENDRIN	4.602	3.785	141.5E6	238.1E6	45.130	45.850
16) TM 4,4-DDD	4.689	3.855	123.0E6	190.6E6	44.686	45.323
17) TM ENDOSULFA...	4.781	3.962	135.4E6	218.1E6	44.416	44.738
18) TM 4,4-DDT	4.942	4.073	127.1E6	220.4E6	44.502	45.103
19) TM ENDRIN AL...	5.041	4.295	105.6E6	171.9E6	47.289	46.509
20) TM ENODOSULF...	5.236	4.646	121.8E6	197.9E6	45.667	45.840
21) TM METHOXYCHLOR	5.415	4.478	67484766	117.6E6	46.334	46.384
22) TM ENDRIN KE...	5.582	4.866	150.8E6	250.2E6	48.204	47.663

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

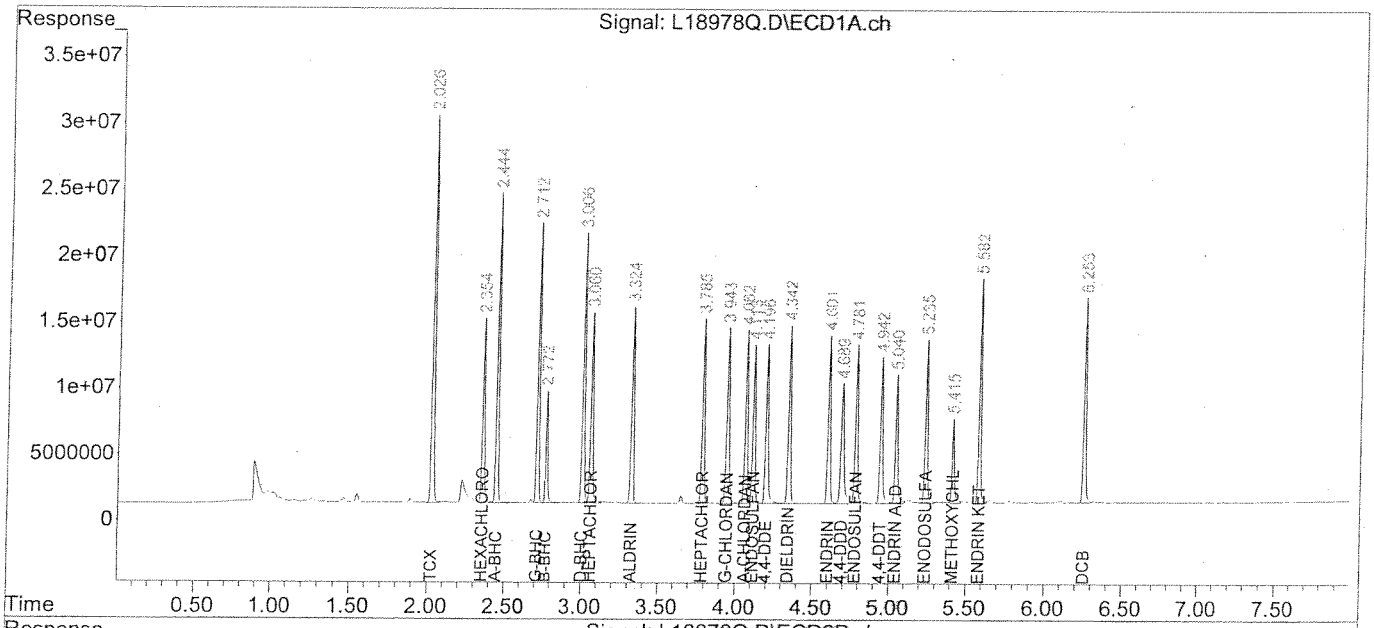
JW 8/10

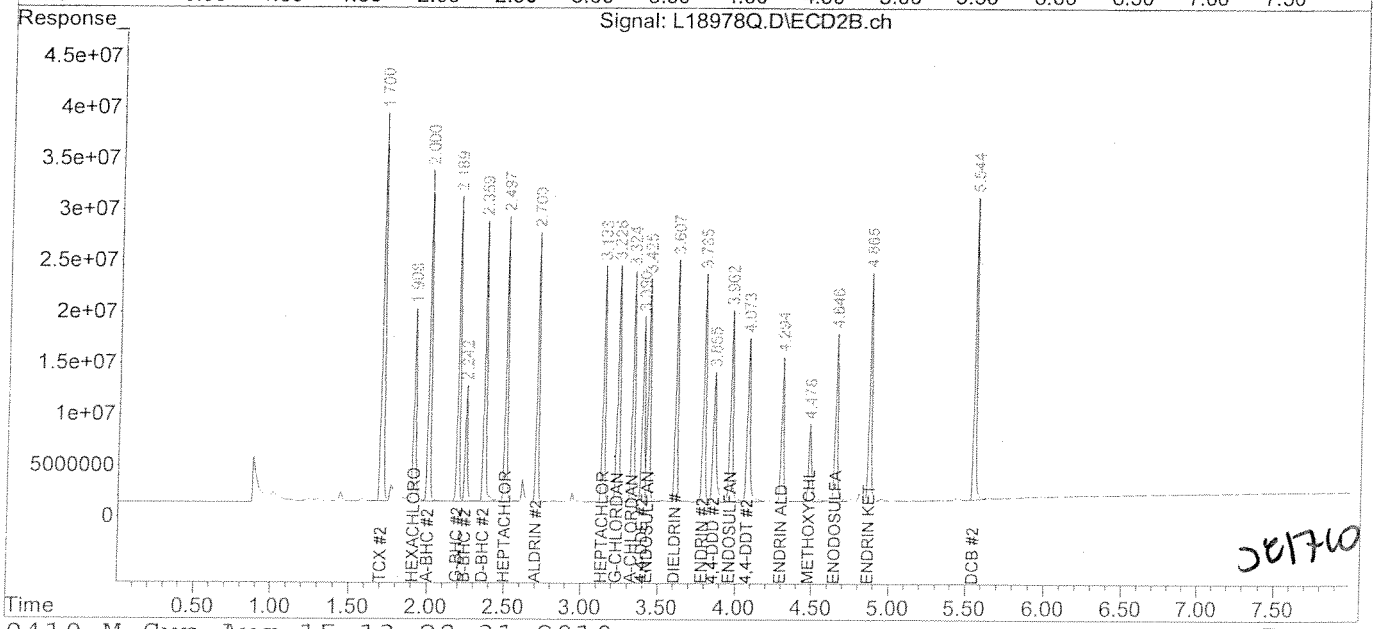
Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18978Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 11:25 am
Operator : SMC
Sample : L081110PAST
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 13:28:30 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





JE 1/10

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18979Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 11:35 am
Operator : SMC
Sample : LD081110PAST
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 13:28:37 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JSW 8-16-10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	2.026	1.700	317.8E6	453.5E6	98.370	101.211
Spiked Amount	100.000	Range	46 - 122	Recovery	= 98.37%	101.21% ✓
23) S DCB	6.253	5.544	165.9E6	330.0E6	86.963	86.452
Spiked Amount	100.000	Range	40 - 135	Recovery	= 86.96%	86.45% ✓
Target Compounds						
2) TM HEXACHLOR...	2.354	1.907	148.6E6	219.5E6	42.131	44.049
3) TM A-BHC	2.444	1.999	237.1E6	350.8E6	49.743	51.431
4) TM G-BHC	2.712	2.189	214.8E6	320.6E6	49.862	52.161
5) TM B-BHC	2.772	2.242	93493267	135.3E6	51.422	53.467
6) TM D-BHC	3.006	2.359	216.0E6	322.8E6	50.864	52.874
7) TM HEPTACHLOR	3.061	2.497	170.0E6	308.0E6	45.357	50.501
8) TM ALDRIN	3.324	2.703	171.7E6	287.6E6	48.993	50.296
9) TM HEPTACHLO...	3.785	3.133	161.6E6	264.1E6	48.771	49.376
10) TM G-CHLORDANE	3.943	3.227	166.0E6	273.4E6	46.224	50.178
11) TM A-CHLORDANE	4.062	3.324	155.4E6	259.6E6	48.956	48.891
12) TM ENDOSULFAN I	4.114	3.425	147.9E6	267.7E6	49.775	48.659
13) TM 4,4-DDE	4.196	3.390	159.4E6	235.4E6	49.281	50.995
14) TM DIELDRIN	4.343	3.608	166.2E6	270.7E6	48.892	48.208
15) TM ENDRIN	4.602	3.785	157.5E6	265.5E6	50.230	51.038
16) TM 4,4-DDD	4.688	3.854	136.0E6	212.9E6	49.425	50.510
17) TM ENDOSULFA...	4.781	3.962	149.6E6	240.0E6	49.126	49.191
18) TM 4,4-DDT	4.942	4.073	141.7E6	247.8E6	49.613	50.630
19) TM ENDRIN AL...	5.041	4.295	117.1E6	190.4E6	52.562	51.525
20) TM ENODOSULF...	5.236	4.646	134.7E6	221.4E6	50.597	51.219
21) TM METHOXYCHLOR	5.415	4.477	74616395	133.5E6	51.379	52.688
22) TM ENDRIN KE...	5.582	4.865	165.2E6	277.8E6	52.802	52.881

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

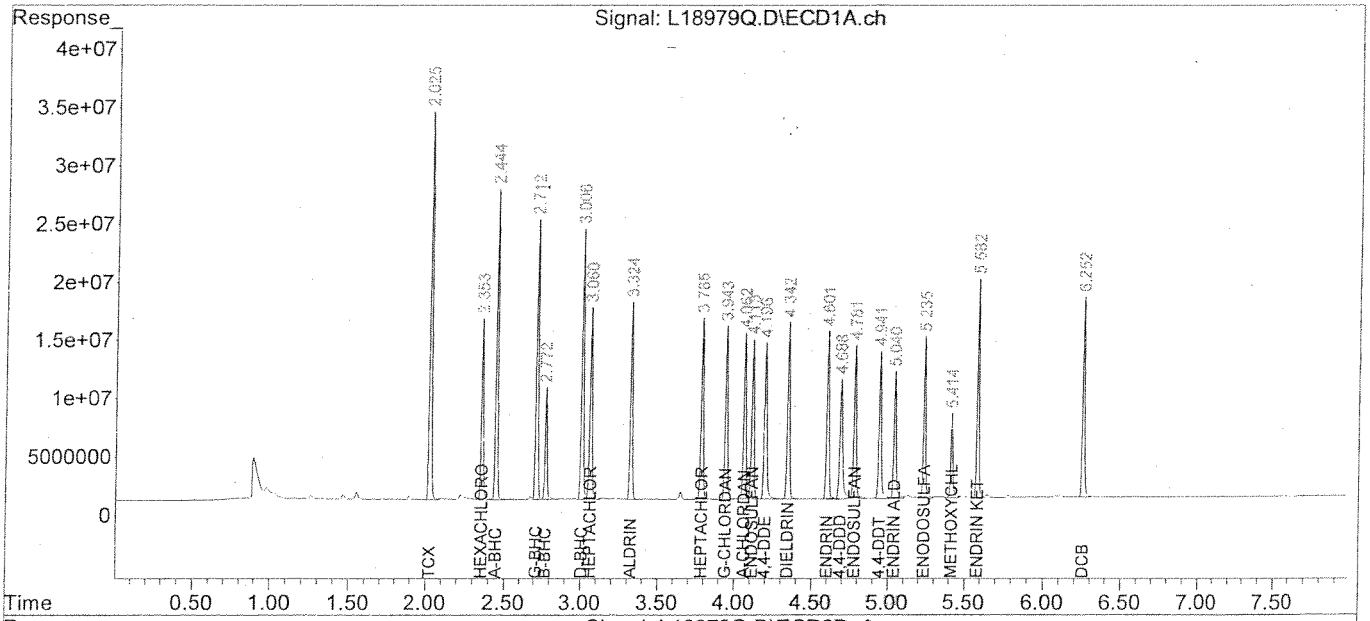
JS 8/17/10

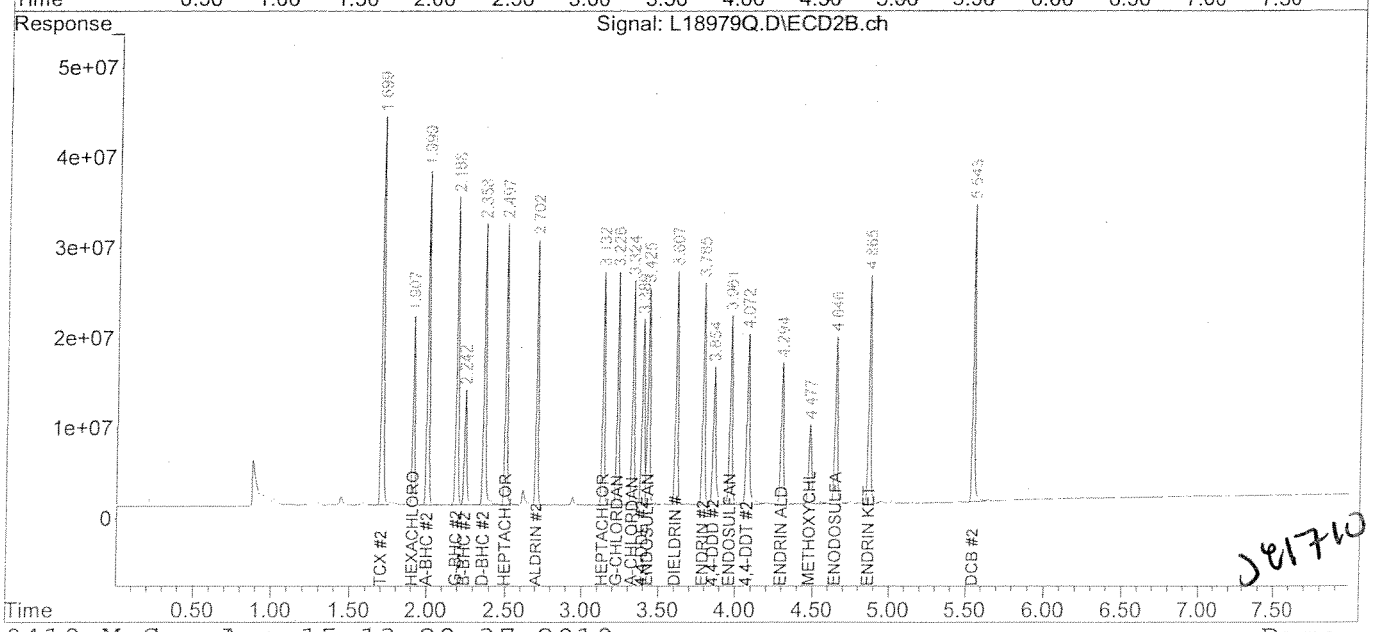
Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18979Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 11:35 am
Operator : SMC
Sample : LD081110PAST
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 13:28:37 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





JL 8/17/10

PESTICIDE SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67494-6
Spike: 67494-6,MS
Spike duplicate: 67494-6,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
HEXACHLOROBENZENE	17	17	60	140	25	0	9	50	*	13	74		40	*
A-BHC	17	17	63	110	30	0	10	59	*	15	88		39	*
G-BHC	17	17	67	118	30	0	11	61	*	16	90		39	*
B-BHC	17	17	66	116	30	0	10	60	*	15	86		36	*
D-BHC	17	17	55	114	30	0	11	62		16	93		41	*
HEPTACHLOR	17	17	64	115	30	0	9	53	*	14	79		40	*
ALDRIN	17	17	68	115	30	0	10	59	*	15	86		39	*
HEPTACHLOR EPOXIDE	17	17	69	117	30	0	10	59	*	15	87		40	*
G-CHLORDANE	17	17	69	112	30	0	43	252	*	86	499	*	67	*
A-CHLORDANE	17	17	70	113	30	0	10	59	*	15	88		40	*
ENDOSULFAN I	17	17	73	117	30	0	10	61	*	15	89		39	*
4,4-DDE	17	17	70	115	30	0	10	61	*	16	91		39	*
DIELDRIN	17	17	71	116	30	0	11	62	*	16	94		42	*
ENDRIN	17	17	79	122	30	0	10	60	*	15	88		39	*
4,4-DDD	17	17	61	116	30	0	10	60	*	16	90		41	*
ENDOSULFAN II	17	17	65	125	30	0	11	61	*	15	89		38	*
4,4-DDT	17	17	72	125	30	0	11	66	*	17	97		40	*
ENDRIN ALDEHYDE	17	17	35	127	30	0	10	60		15	88		39	*
ENODOSULFAN SULFATE	17	17	46	128	30	0	11	61		16	90		39	*
METHOXYCHLOR	17	17	62	140	30	0	13	73		17	101		33	*
ENDRIN KETONE	17	17	70	123	30	0	11	66	*	17	100		41	*
HEXACHLOROBENZENE #2	17	17	60	140	25	0	9	51	*	13	77		41	*
A-BHC #2	17	17	68	110	30	0	11	62	*	16	93		40	*
G-BHC #2	17	17	71	116	30	0	11	63	*	16	94		41	*
B-BHC #2	17	17	76	120	30	0	11	64	*	16	93		38	*
D-BHC #2	17	17	58	116	30	0	11	62		16	94		41	*
HEPTACHLOR #2	17	17	68	110	30	0	10	60	*	16	90		41	*
ALDRIN #2	17	17	67	108	30	0	11	63	*	16	93		39	*
HEPTACHLOR EPOXIDE #2	17	17	70	111	30	0	10	59	*	15	88		40	*
G-CHLORDANE #2	17	17	67	109	30	0	10	56	*	14	83		40	*
A-CHLORDANE #2	17	17	71	111	30	0	10	58	*	15	84		38	*
ENDOSULFAN I #2	17	17	71	112	30	0	10	56	*	14	83		39	*
4,4-DDE #2	17	17	68	112	30	0	11	66	*	17	98		40	*
DIELDRIN #2	17	17	70	108	30	0	10	58	*	15	86		40	*
ENDRIN #2	17	17	75	116	30	0	10	61	*	16	91		40	*
4,4-DDD #2	17	17	68	115	30	0	12	68	*	18	104		43	*
ENDOSULFAN II #2	17	17	64	113	30	0	10	60	*	15	88		39	*
4,4-DDT #2	17	17	69	121	30	0	11	64	*	17	98		42	*
ENDRIN ALDEHYDE #2	17	17	37	106	30	0	10	59		16	91		43	*
ENODOSULFAN SULFATE #2	17	17	60	113	30	0	10	56	*	14	83		39	*
METHOXYCHLOR #2	17	17	68	126	30	0	10	61	*	16	90		39	*
ENDRIN KETONE #2	17	17	78	117	30	0	11	64	*	17	97		42	*

— int.

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 4 Rpd due to ↓ MS recovery. L/LD OK.

JW 8.16.10
58/100

PESTICIDE FORM 3

PESTICIDE SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Sample	Misc Info	Final Vol (L)	Wt (g) Ext	Wt (kg)	% Sol	Dilution	CF
67494-6	0	0.005	15.72	0.01572	0.9187	1	0.3462133
67494-6,MS	0	0.005	15.89	0.01589	0.9187	1	0.3425093
67494-6,MSD	0	0.005	15.75	0.01575	0.9187	1	0.3455538

JW 8-16-10

381610

PESTICIDE FORM 3

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18998SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 2:41 pm
Operator : SMC
Sample : 67494-6,MS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 15:25:05 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1)	S TCX	2.026	1.700	188.4E6	268.0E6	58.620	60.190
	Spiked Amount	100.000	Range	46 - 122	Recovery	= 58.62%	60.19% ✓
23)	S DCB	6.252	5.542	92491678	173.2E6	47.965	45.562
	Spiked Amount	100.000	Range	40 - 135	Recovery	= 47.97%	45.56% ✓
	Target Compounds						
2)	TM HEXACHLOR...	2.354	1.907	88153815	128.3E6	25.143	25.750
3)	TM A-BHC	2.444	1.999	138.2E6	207.2E6	29.743	31.076
4)	TM G-BHC	2.712	2.189	129.5E6	189.6E6	30.661	31.450
5)	TM B-BHC	2.772	2.242	54985304	80709852	30.138	32.053
6)	TM D-BHC	3.006	2.358	127.8E6	185.8E6	30.753	31.097
7)	TM HEPTACHLOR	3.060	2.497	99371202	181.8E6	26.729	30.194
8)	TM ALDRIN	3.324	2.702	102.0E6	178.0E6	29.269	31.504
9)	TM HEPTACHLO...	3.785	3.132	97619954	156.7E6	29.478	29.576
10)	TM G-CHLORDANE	3.957	3.226	430.8E6	150.5E6	~~125.811~~ int.	28.103 #
11)	TM A-CHLORDANE	4.062	3.324	94456897	151.6E6	29.740	28.933
12)	TM ENDOSULFAN I	4.113	3.425	90445124	154.3E6	30.347	28.148
13)	TM 4,4-DDE	4.195	3.387	98707135	149.1E6	30.655	33.004
14)	TM DIELDRIN	4.342	3.607	104.7E6	160.7E6	30.930	29.030
15)	TM ENDRIN	4.601	3.785	93912128	156.9E6	29.982	30.467
16)	TM 4,4-DDD	4.686	3.851	83279973	141.4E6	30.127	33.888
17)	TM ENDOSULFA...	4.780	3.961	94035550	144.7E6	30.688	29.814
18)	TM 4,4-DDT	4.941	4.070	93620685	156.0E6	32.809	32.141
19)	TM ENDRIN AL...	5.040	4.294	67591836	108.9E6	29.900	29.385
20)	TM ENODOSULF...	5.235	4.645	82462011	120.6E6	30.750	28.153
21)	TM METHOXYCHLOR	5.413	4.473	53711652	77640877	36.591	30.466
22)	TM ENDRIN KE...	5.581	4.864	103.1E6	167.1E6	33.032	31.973

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

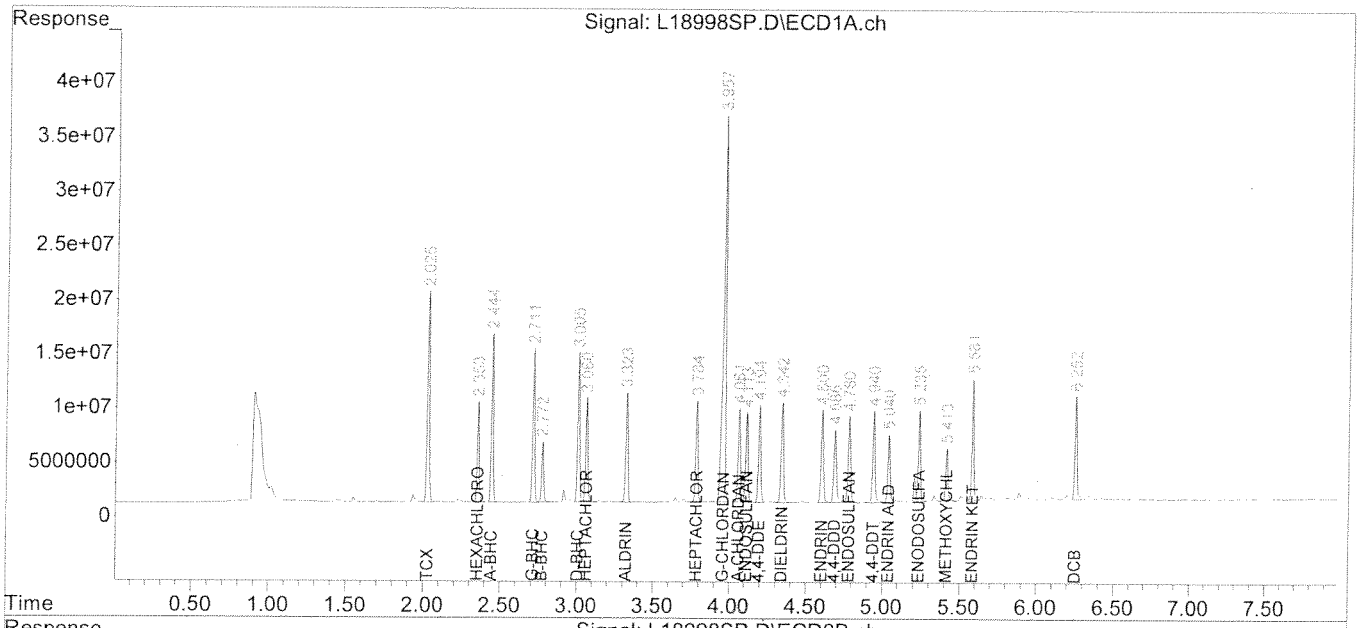
081610

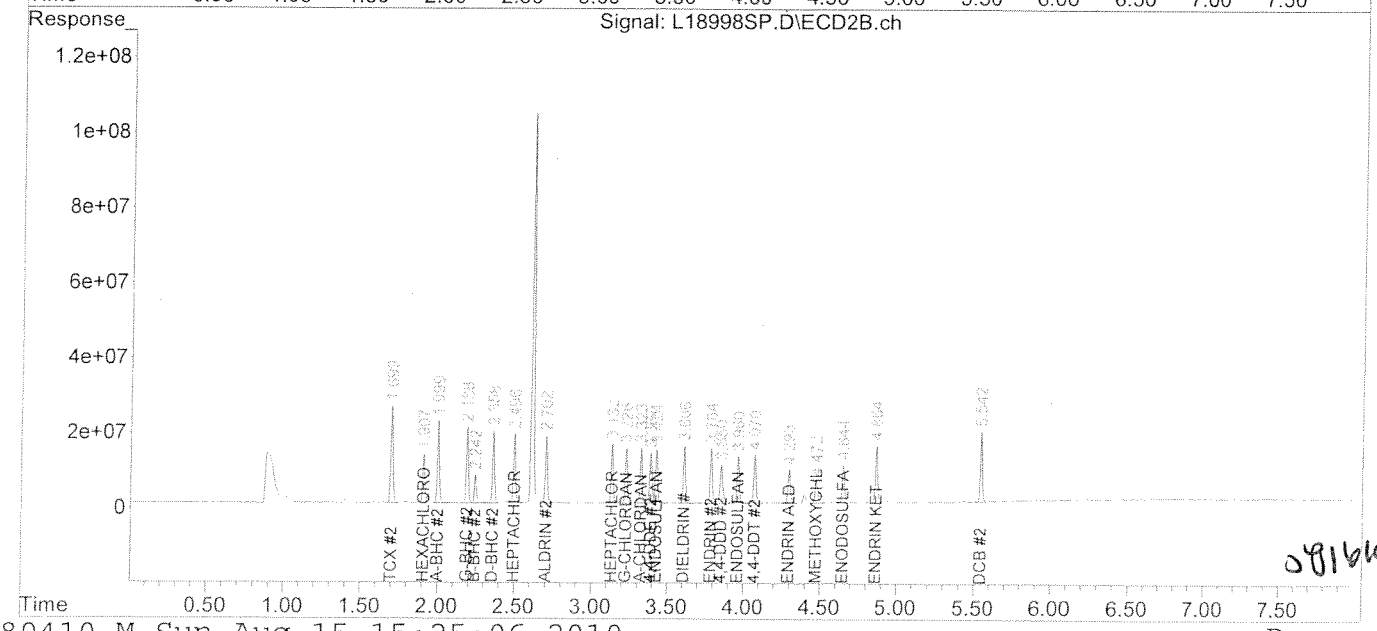
Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18998SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 2:41 pm
Operator : SMC
Sample : 67494-6,MS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 15:25:05 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 8/16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





081610

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18999SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 2:51 pm
Operator : SMC
Sample : 67494-6,MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 15:25:13 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JU 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	2.025	1.699	283.5E6	401.5E6	87.824	89.706
Spiked Amount	100.000	Range	46 - 122	Recovery	= 87.82%	89.71%
23) S DCB	6.252	5.542	140.7E6	265.1E6	73.589	69.514
Spiked Amount	100.000	Range	40 - 135	Recovery	= 73.59%	69.51%
Target Compounds						
2) TM HEXACHLOR...	2.353	1.907	131.1E6	192.3E6	37.222	38.597
3) TM A-BHC	2.444	1.999	208.4E6	314.3E6	43.943	46.254
4) TM G-BHC	2.712	2.188	194.2E6	288.5E6	45.218	47.077
5) TM B-BHC	2.772	2.242	78315018	118.2E6	43.033	46.743
6) TM D-BHC	3.006	2.358	196.0E6	285.2E6	46.308	46.907
7) TM HEPTACHLOR	3.060	2.497	147.9E6	275.1E6	39.545	45.211
8) TM ALDRIN	3.323	2.702	151.2E6	265.3E6	43.179	46.481
9) TM HEPTACHLO...	3.784	3.132	144.8E6	234.4E6	43.713	43.900
10) TM G-CHLORDANE	3.957	3.226	842.4E6	226.0E6	~~249.561~~ int.	41.673 #
11) TM A-CHLORDANE	4.062	3.323	140.1E6	222.5E6	44.123	42.035
12) TM ENDOSULFAN I	4.113	3.425	132.5E6	227.2E6	44.565	41.341
13) TM 4,4-DDE	4.194	3.386	146.5E6	225.0E6	45.303	48.826
14) TM DIELDRIN	4.342	3.606	159.3E6	241.7E6	46.864	43.139
15) TM ENDRIN	4.600	3.784	138.2E6	235.7E6	44.095	45.404
16) TM 4,4-DDD	4.686	3.849	124.0E6	220.0E6	45.053	52.172
17) TM ENDOSULFA...	4.780	3.961	136.3E6	214.9E6	44.712	44.095
18) TM 4,4-DDT	4.940	4.069	138.8E6	239.1E6	48.619	48.883
19) TM ENDRIN AL...	5.039	4.293	98387158	167.5E6	43.988	45.296
20) TM ENODOSULF...	5.234	4.645	120.6E6	178.2E6	45.246	41.323
21) TM METHOXYCHLOR	5.412	4.472	73470822	114.2E6	50.569	45.013
22) TM ENDRIN KE...	5.581	4.864	156.0E6	255.1E6	49.864	48.583

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

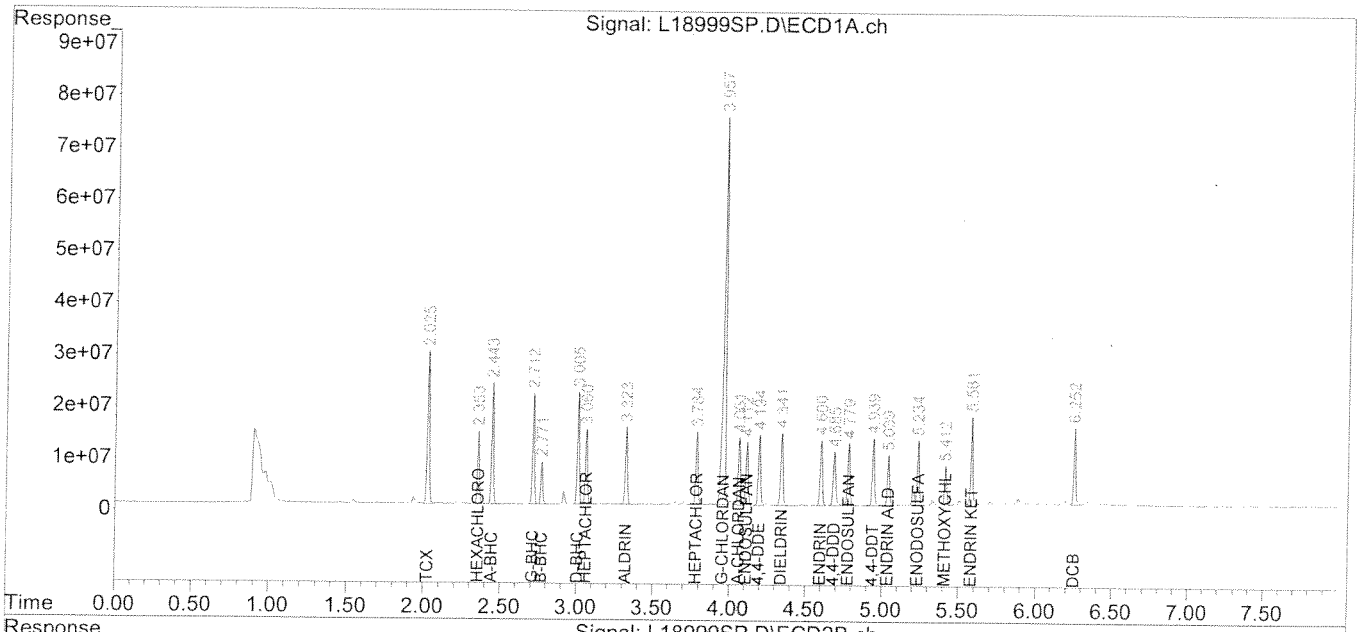
JU 8.16.10

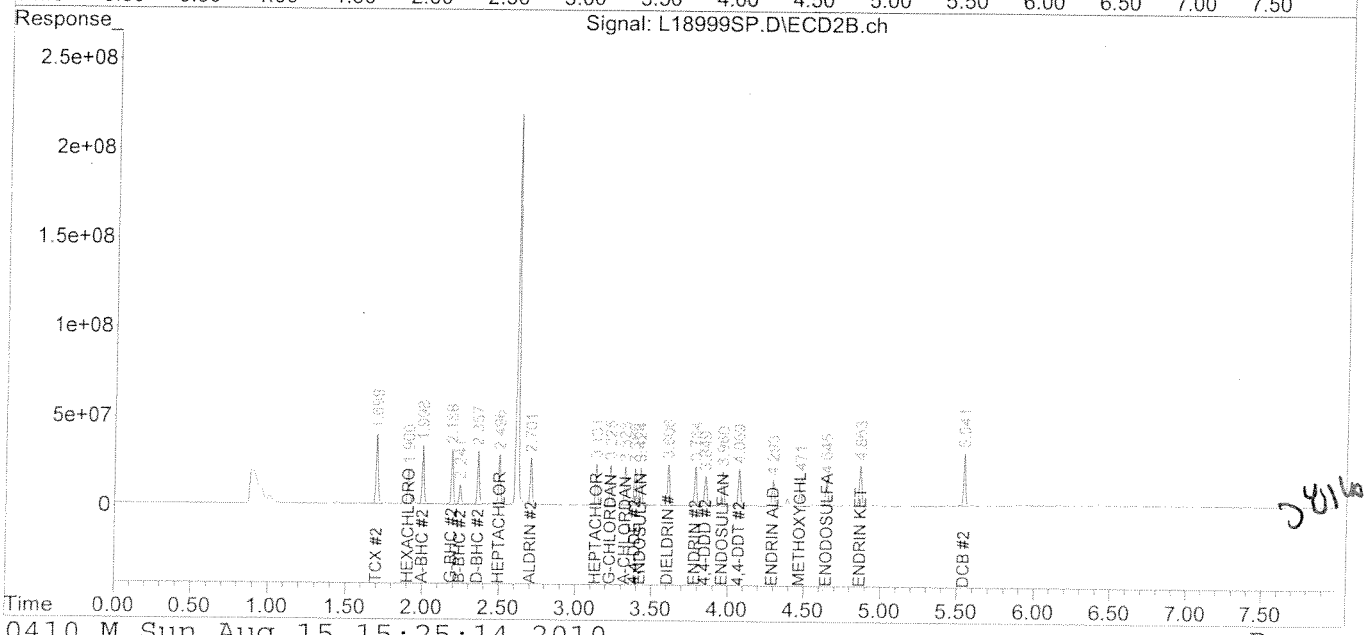
Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18999SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 2:51 pm
Operator : SMC
Sample : 67494-6,MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 15:25:13 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





JL 8/16

analytics environmental laboratory LLC 072610.L

PEST/PCB/HERB
Instrument L
Sequence Log Book

Load: JU
Unload: JU

Data File	Vial #	Sample	Method	Comments	Final Vol.
		W-L-072610-1-JU	PT071910.m		
L48545-49	100	Hexane	CT071910.m		
50	1	P5440 PEM	PCB071310.m	bDDT both col's (16%)	
51	2	P5429 PEST 30 ug/mL			
	3	P5441 C/T 0.25/0.5 ug/mL			
L	4	P5414 16/60 0.25 ug/mL			
L48564-73	100	Hexane			
74	1	P5440 PEM			
755C	2	P5429 PEST 30 ug/mL			
765C	3	P5441 C/T 0.25/0.5 ug/mL			
775C	4	P5415 16/60 0.25 ug/mL			
785C	5	P5404 AR1254 0.5 ug/mL			
79	100	Hexane			
8051	2	P5321 PEST 2.5	PT072610	✓(1) ✓	
8151	3	P5322 PEST 5		✓(2) ✓	
8251	4	P5323 PEST 10		✓(3) ✓	
8351	5	P5324 PEST 20		✓(4) ✓	
8451	6	P5429 PEST 30		✓(5) ✓	
8551	7	P5430 PEST 50		✓(6) ✓	
8651	8	P5325 PEST 100		✓(7) ✓	
8751	9	P5326 PEST 150		✓(8) ✓	
88	10	P5413 PEST ICV 50		✓	
89S1	11	P5336 C/T 0.01/0.02	CT072610	✓	
9051	12	P5337 C/T 0.025/0.05		✓	
9151	13	P5338 C/T 0.05/0.1		✓	
9251	14	P5339 C/T 0.1/0.2		✓	
9351	15	P5441 C/T 0.25/0.5		✓	
9451	16	P5438 C/T 0.5/1.0		✓	
9551	17	P5342 C/T 1/2		✓	
9651	18	P5427 C/T CC 0.5/1.0		✓	
9751	19	P5443 16/60 0.02	PCB072610	✓(2)	
9851	20	P5444 16/60 0.05		✓(3)	
9951	21	P5445 16/60 0.1		✓(4)	
L48600S1	22	P5447 16/60 0.25		✓(5)	
0151	23	P5448 16/60 0.5		✓(6)	
0251	24	P5403 16/60 0.75		✓(7)	
0351	25	P5416 16/60 1.0		✓(8)	
0451	26	P5446 16/60 2.0		✓(9)	
05	27	P5417 16/60 ±0.8 CC		✓	
06	28	P5315 1221 1.0		Single PT	
07	29	P5418 1232 1.0			

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot :

MTBE Lot:

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 3 04/08/10

080410-L

analytics environmental laboratory LLC

PEST/PCB/HERB
Instrument L
Sequence Log Book

Load: ALR
Unload: MJ

Data File	Vial #	Sample	Method	Comments	Final Vol.
L18690-692	100	Hexane			
693	1	PS440 PEM	PST080410.M		
694	2	PS429 PST 30	PCBS080410M		NA
95	3	PS430 C/T 0.5/1.0		Recalibrate	
96	4	PS448 16/60 0.5			
97	100	Hexane Idle			
98SI	2	PS321 Pest 2.5			
99SI	3	PS322 5.0		✓	
700SI	4	PS323 10		✓	
701SI	5	PS324 20		✓	
702SI	6	PS429 30		✓	
703SI	7	PS430 50		✓	
704SI	8	PS325 100		✓	
705SI	9	PS326 150		✓	
706SI	10	PS413 PST ICW 50		✓	
707	11	PS438 C/T 0.5/1.0		✓	
708SI	12	PS442 16/60 0.01		Single PT	
709SI	13	PS443 0.02		✓	
710SI	14	PS444 0.05		✓	
711SI	15	PS445 0.1		✓	
712SI	16	PS447 0.25		✓	
713SI	17	PS448 0.5		✓	
714SI	18	PS403 0.75		✓	
715SI	19	PS416 1.0		Concentrate rod + load	
716SI	20	PS446 2.0			
717	21	PS417 16/60 ICW 0.5		✓	
718	22	PS315 1221 1.0		✓	
719	23	PS418 1232 1.0		Single PT	
720	24	PS431 1242 1.0			
721	25	PS319 1248 1.0			
722	26	PS450 1254 1.0			
723	27	PS419 1262 1.0		✓	
724	28	PS364 1268 1.0			
725B	29	B080310PAS			
726Q	30	LO80310PAS+			5.0
727Q	31	LD080310PAST			
728	32	67368-2, 1:10			
729	33	67368-2, DL 1:5		RR 1:20	
730	34	67368-2			
731	35	67368-3 SCRN		all over load	
732	36	67368-3-1 SCRN			

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample + 1000 uL hexane

ane Lot :

E Lot:

analytics environmental laboratory LLC

081510.L

PEST/PCB/HERB
Instrument L
Sequence Log Book

Load: JW
Unload: JW

Data File	Vial #	Sample	Method	Comments	Final Vol.
		W-L-081510-1-JW	PT080410		
L18970-73	100	Hexane	CT080710		
74	6	P5440 PEM		✓	
75SC	7	P5429 PEST 30 ug/mL		✓	
76SC	8	P5438 C/T 0.5/1.0		✓ #1 116% tox #2 allok	
77B	11	B081110PAS		✓	
78Q	12	LO081110PAST		✓	
79Q	13	LDO081110PAST		✓	
80B	14	B081310PW		✓	
81Q	15	LO081310PWT		✓	
82Q	16	LDO081310PWT		✓	
83	17	67487-20		✓	
84	18	67383-11,, 25x		✓ confirms straight run	
85	19	-10,, 10x		✓	
86	20	-9,, 25x		✓	
87	21	67368-2,, 20x		✓	
88	22	67487-1		✓	
89	23	-4		✓	
90	24	-7		✓	
91	25	-9		✓	
92SC	8	P5438 C/T 0.5/1.0		✓	
93SC	7	P5429 PEST 30		✓	
94	6	P5440 PEM		✓	
96B	11	B081110PAS, RR		✓	
97	26	67494-6		✓	
98SP	27	-6, MS		✓ ↑Col. RPD. L/LD OK. See memo.	
99SP	28	-6, MSD		✓	
L19000	29	67487-11		✓	
01	30	-13		✓	
02	31	-15		✓	
03	32	-17		✓	
04SC	8	P5438 C/T 0.5/1.0		✓	
05SC	7	P5429 PEST 30		✓	
06	6	P5440 PEM		✓	

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot : 1005313

MTBE Lot:

Data File Name **L18687.D**
Date Acquired **8/4/2010 18:19**
Sample Name **P5440 PEM**

58.410

Name	Target Response	% BREAKDOWN	MAX 20%
4,4-DDT	239264903.2	4%	OK
4,4-DDE	2767803.78		
4,4-DDD	7902704.193		
ENDRIN	288226571.5	5%	OK
ENDRIN ALDEHYDE	9225990.623		
ENDRIN KETONE	5453907.159		
4,4-DDT #2	456910752.2	3%	OK
4,4-DDE #2	3318731.073		
4,4-DDD #2	13204209.29		
ENDRIN #2	534499896.4	4%	OK
ENDRIN ALDEHYDE #2	11240629.97		
ENDRIN KETONE #2	8538904.242		

JOM
8/9/10

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 6:19 pm
Operator : MG
Sample : P5440 PEM
Misc :
ALS Vial : 1 Sample Multiplier: 1

s 8410

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 04 18:33:14 2010
Quant Method : C:\msdchem\1\METHODS\PT072710.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 01 17:40:22 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
1) S TCX	2.042	1.743	43553	316925	0.010	0.058	#
Spiked Amount	100.000	Range	46 - 122	Recovery	=	0.01%#	0.06%#
23) S DCB	6.271	5.467	161656	41366	0.051	0.009	#
iked Amount	100.000	Range	40 - 135	Recovery	=	0.05%#	0.01%#
Target Compounds							
2) TM HEXACHLOR...	2.377	1.949	12031	1437469	0.002	0.186	#
3) TM A-BHC	2.453	2.013	196926	465608	0.031	0.058	#
4) TM G-BHC	2.722	2.200	199.2E6	311.3E6	33.954	42.359	
5) TM B-BHC	2.812	2.200f	262132	311.3E6	0.098	97.830	#
6) TM D-BHC	2.999	2.403	52449	71384	0.009	0.010	
7) TM HEPTACHLOR	3.070	2.508	169.1E6	307.8E6	30.286	43.432	#
8) TM ALDRIN	3.333	2.714	163.9E6	294.8E6	29.903	42.995	#
9) TM HEPTACHLO...	3.804	3.142	33858	178143	0.006	0.028	#
10) TM G-CHLORDANE	3.967	3.236	14534892	379846	5.027	0.059	#
11) TM A-CHLORDANE	4.099	3.332	31564	215489	0.006	0.035	#
12) TM ENDOSULFAN I	4.140	3.477	15826	513462	0.003	0.082	#
13) TM 4,4-DDE	4.206	3.403	2767804	3318731	0.532	0.564	
14) TM DIELDRIN	4.351	3.619	303.1E6	559.7E6	58.167	84.803	#
15) TM ENDRIN	4.610	3.796	288.2E6	534.5E6	63.890	90.637	#
16) TM 4,4-DDD	4.701	3.867	7902704	13204209	1.862	2.499	#
17) TM ENDOSULFA...	4.813	4.085f	670790	456.9E6	0.148	78.747	#
18) TM 4,4-DDT	4.950	4.085	239.3E6	456.9E6	55.276	81.074	#
19) TM ENDRIN AL...	5.048	4.308	9225991	11240630	2.746	2.542	
20) TM ENDOSULF...	5.267	4.655	184247	209896	0.050	0.043	
21) TM METHOXYCHLOR	5.428	4.539	45166	160437	0.023	0.057	#
22) TM ENDRIN KE...	5.588	4.877	5453907	8538904	1.314	1.440	

)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

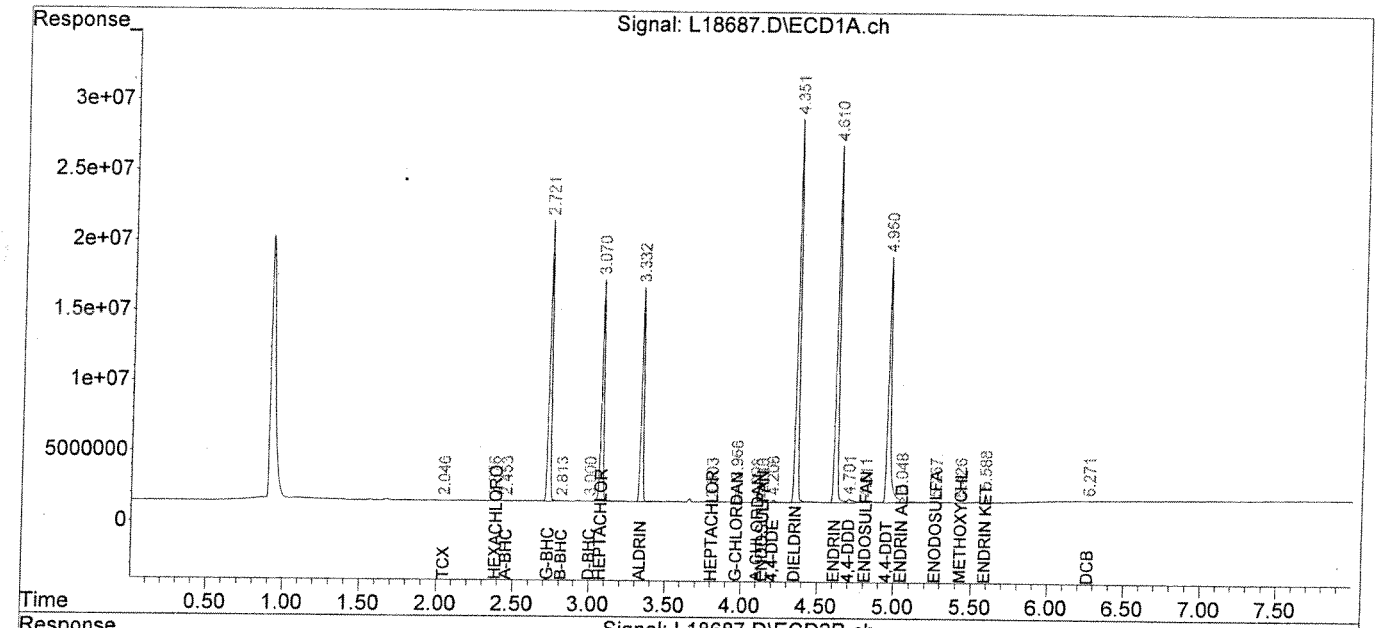
JOR 8/9/10

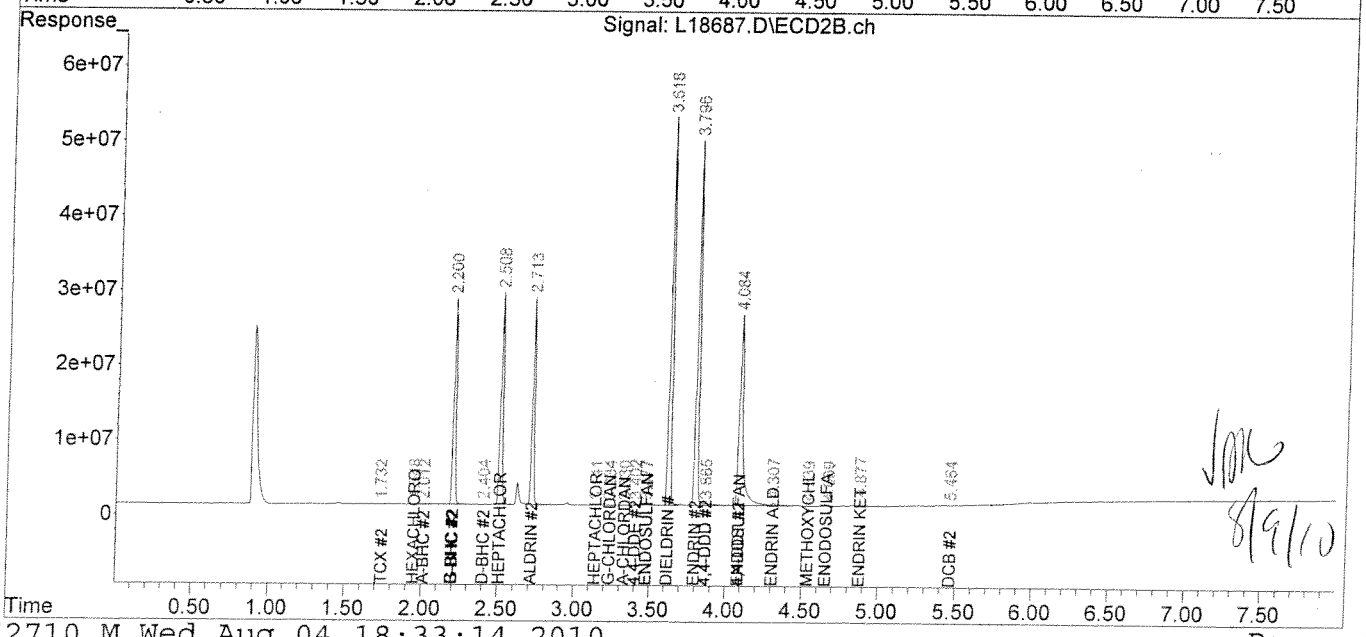
Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 6:19 pm
Operator : MG
Sample : P5440 PEM
Misc :
ALS Vial : 1 Sample Multiplier: 1

3 8410

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 04 18:33:14 2010
Quant Method : C:\msdchem\1\METHODS\PT072710.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 01 17:40:22 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





JMC 8/9/10

Data File Name **L18693.D**
Date Acquired **8/4/2010 20:00**
Sample Name **P5440 PEM**

8/5/10

Name	Target Response	% BREAKDOWN	MAX 20%
4,4-DDT	254061300.9	3%	OK
4,4-DDE	1693842.672		
4,4-DDD	4915182.758		
ENDRIN	300684639	3%	OK
ENDRIN ALDEHYDE	3562963.164		
ENDRIN KETONE	7154322.083		
4,4-DDT #2	462015257.9	3%	OK
4,4-DDE #2	3535496.11		
4,4-DDD #2	10982997.44		
ENDRIN #2	526751689.8	2%	OK
ENDRIN ALDEHYDE #2	3938336.524		
ENDRIN KETONE #2	7191025.393		

✓S8570

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18693.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 8:00 pm
Operator : MG
Sample : P5440 PEM
Misc :
ALS Vial : 1 Sample Multiplier: 1

PM 8/5/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 03:10:15 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 05 03:08:47 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
1) S TCX	2.029	1.696	67513	-31054	0.488	0.879	#
Spiked Amount	100.000	Range	46 - 122	Recovery	=	0.49%#	0.88%#
Target Compounds							
2) TM HEXACHLOR...	2.359	1.945	122069	9181118	0.128	1.809	#
3) TM A-BHC	2.451	2.005	299535	491509	1.595	1.675	
4) TM G-BHC	2.721	2.198	198.2E6	297.1E6	45.956	48.395	
5) TM B-BHC	2.819	2.198	69099	297.1E6	N.D.	116.885	
6) TM D-BHC	2.976	2.375	86148	255580	1.509	1.663	
7) TM HEPTACHLOR	3.070	2.506	174.3E6	301.2E6	46.366	49.390	
8) TM ALDRIN	3.333	2.712	164.3E6	281.7E6	46.747	49.239	
9) TM HEPTACHLO...	3.800	3.141	170505	188064	N.D.	0.738	
10) TM G-CHLORDANE	3.967	3.239	61341213	453220	14.425	1.225	#
11) TM A-CHLORDANE	4.088	3.321	935203	1246872	0.082	1.153	#
13) TM 4,4-DDE	4.206	3.400	1693843	3535496	0.672	3.336	#
14) TM DIELDRIN	4.352	3.618	306.6E6	537.4E6	89.740	94.727	
15) TM ENDRIN	4.611	3.796	300.7E6	526.8E6	95.823	100.659	
16) TM 4,4-DDD	4.698	3.865	4915183	10982997	1.640	4.118	#
17) TM ENDOSULFA...	4.803	3.957	1871024	4921610	0.008	1.457	#
18) TM 4,4-DDT	4.950	4.082	254.1E6	462.0E6	88.720	93.732	
19) TM ENDRIN AL...	5.049	4.306	3562963	3938337	0.290	0.761	#
20) TM ENODOSULF...	5.212	4.662	2958596	1963317	N.D.	1.055	
22) TM ENDRIN KE...	5.586	4.876	7154322	7191025	2.282	1.727	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

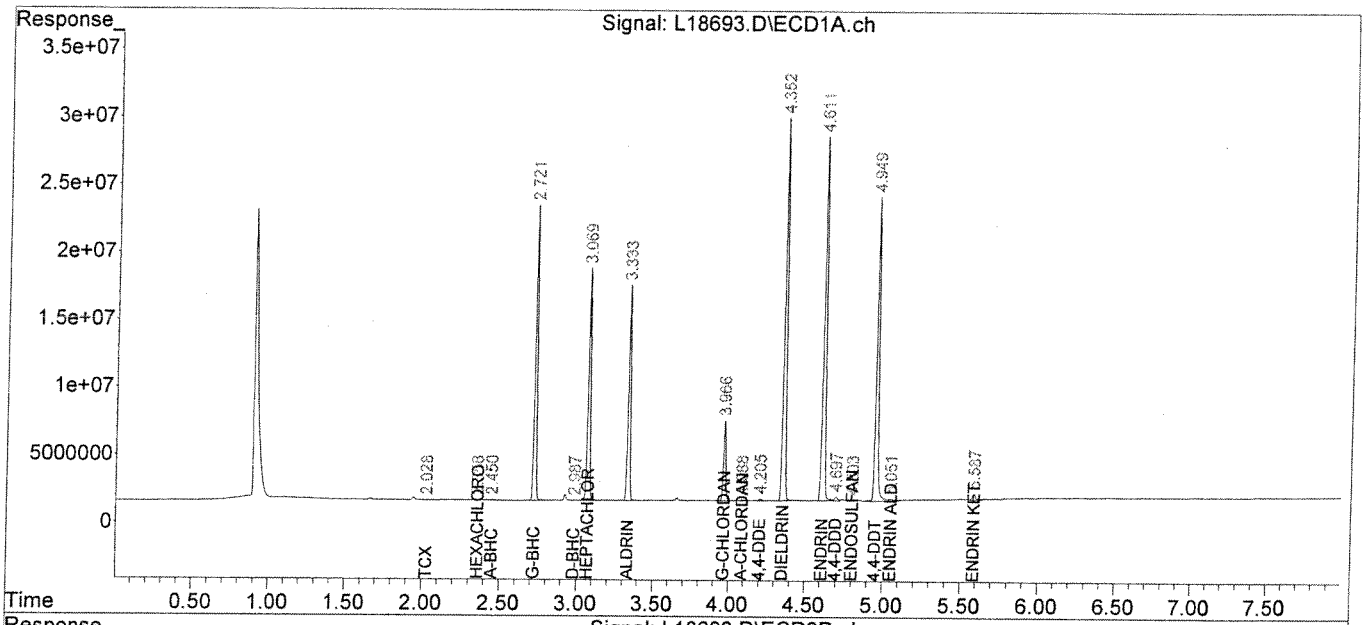
JB 8/5/10

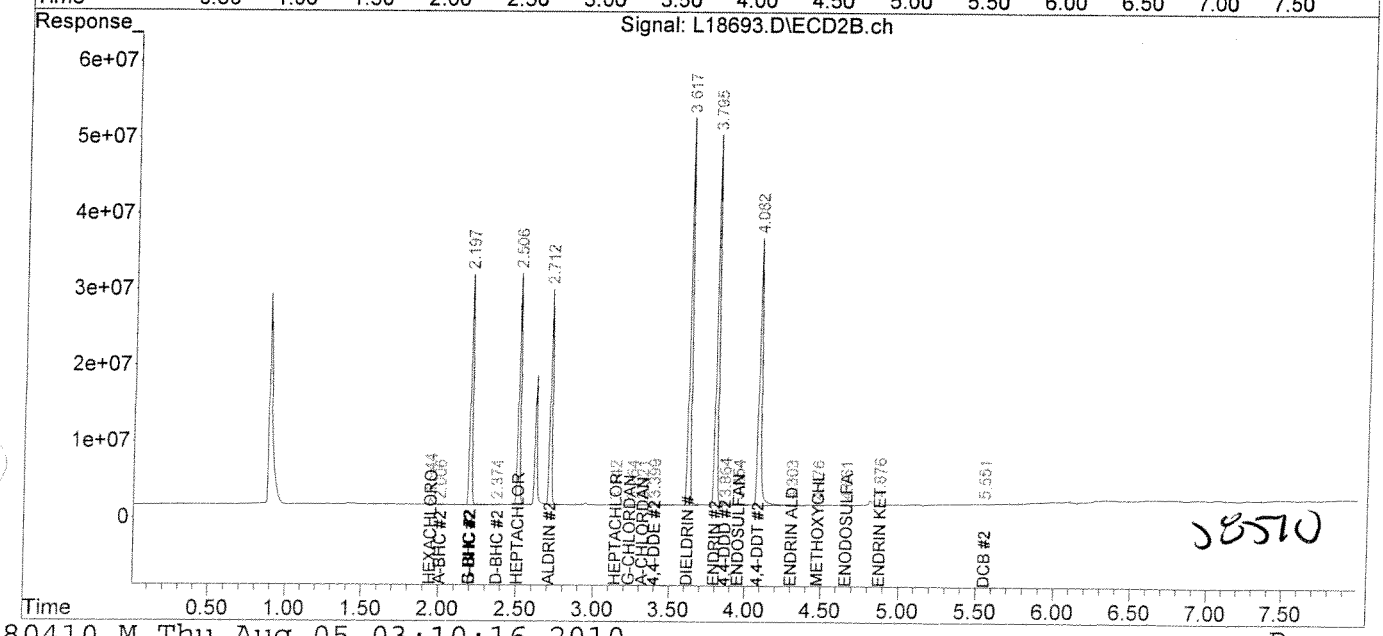
Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18693.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 8:00 pm
Operator : MG
Sample : P5440 PEM
Misc :
ALS Vial : 1 Sample Multiplier: 1

8/5/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 03:10:15 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 05 03:08:47 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





J8510

Data File Name **L18974.D**
Date Acquired **8/15/2010 10:44**
Sample Name **P5440 PEM**

JW 8.15.10

Name	Target Response	% BREAKDOWN	MAX 20%
4,4-DDT	266235258	3%	OK
4,4-DDE	1903222.896		
4,4-DDD	7630419.973		
ENDRIN	317156497.7	5%	OK
ENDRIN ALDEHYDE	11368535.62		
ENDRIN KETONE	6629857.059		
4,4-DDT #2	469949478.7	2%	OK
4,4-DDE #2	3204717.247		
4,4-DDD #2	8551737.151		
ENDRIN #2	545181258.9	3%	OK
ENDRIN ALDEHYDE #2	9773133.093		
ENDRIN KETONE #2	8984488.493		

✓ 081610

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18974.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 10:44 am
erator : SMC
ample : P5440 PEM
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 10:54:22 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 12 02:28:29 2010
Response via : Initial Calibration
Integrator: ChemStation

J9-2310 Reprinted

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

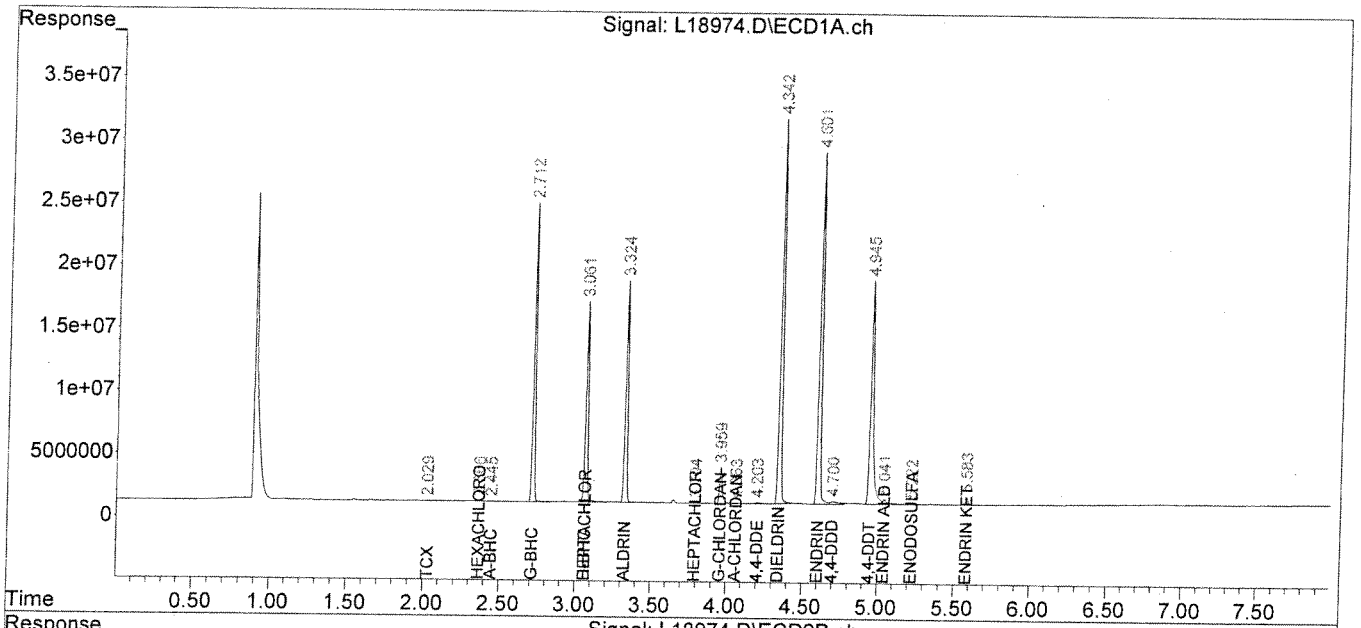
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	2.020	1.697	82066	285145	0.794	0.961
Spiked Amount	100.000	Range	46 - 122	Recovery	=	0.79%# 0.96%#
Target Compounds						
2 TM HEXACHLOR...	2.359	1.941	104207	2535828	0.404	0.506 #
3) TM A-BHC	2.445	1.997	161325	534331	1.812	1.775
4) TM G-BHC	2.713	2.189	214.7E6	323.7E6	49.841	52.653
5) TM B-BHC	2.837	2.189	45884	323.7E6	N.D.	127.387
6) TM D-BHC	3.061	2.350	166.9E6	401457	39.665	1.615 #
7) TM HEPTACHLOR	3.061	2.497	166.9E6	308.9E6	44.546	50.640
8) TM ALDRIN	3.324	2.703	179.4E6	310.4E6	51.157	54.211
9) TM HEPTACHLO...	3.794	3.135	29963	88914	0.047	0.711 #
10) TM G-CHLORDANE	3.959	3.226	34451762	378353	6.666	1.150 #
11) TM A-CHLORDANE	4.063	3.323	163360	171941	0.021	0.951 #
12) TM ENDOSULFAN I	4.147	3.402	15666	3204717	N.D.	0.811
13) TM 4,4-DDE	4.203	3.402	1903223	3204717	0.967	2.605 #
14) TM DIELDRIN	4.343	3.608	336.5E6	572.6E6	98.590	100.812
15) TM ENDRIN	4.602	3.785	317.2E6	545.2E6	101.090	104.064
16) TM 4,4-DDD	4.700	3.868	7630420	8551737	2.415	2.982
18) TM 4,4-DDT	4.945	4.079	266.2E6	469.9E6	93.182	95.371
19) TM ENDRIN AL...	5.042	4.298	11368536	9773133	4.180	2.449 #
20) TM ENODOSULF...	5.222	4.621	1812904	264543	0.131	0.613 #
22) TM ENDRIN KE...	5.583	4.868	6629857	8984488	2.349	2.140

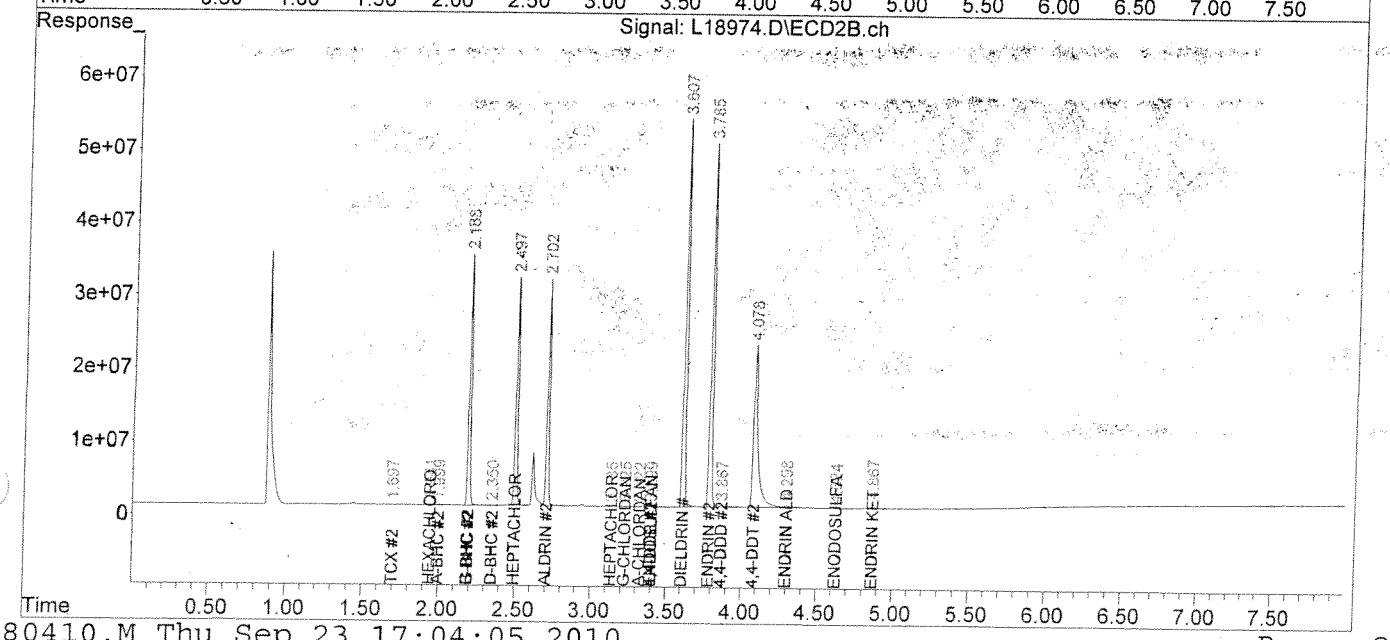
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18974.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 10:44 am
Operator : SMC
Sample : P5440 PEM
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 10:54:22 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 12 02:28:29 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Data File Name **L18994.D**
Date Acquired **8/15/2010 14:10**
Sample Name **P5440 PEM**

Name	Target Response	% BREAKDOWN	MAX 20%
4,4-DDT	262882252.6	5%	OK
4,4-DDE	1295526.95		
4,4-DDD	13148176.28		
ENDRIN	323166851.9	4%	OK
ENDRIN ALDEHYDE	8335900.138		
ENDRIN KETONE	6729525.294		
4,4-DDT #2	463083699.2	4%	OK
4,4-DDE #2	1720440.184		
4,4-DDD #2	18882351.96		
ENDRIN #2	550228039.8	3%	OK
ENDRIN ALDEHYDE #2	8483292.703		
ENDRIN KETONE #2	9258980.689		

JW 8.16.10

✓38170

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 2:10 pm
Operator : SMC
Sample : P5440 PEM
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 15:23:45 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JU 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	2.011	1.689	184511	231089	0.826	0.949	
	Spiked Amount	100.000	Range	46 - 122	Recovery	=	0.83%#	0.95%#
	Target Compounds							
2)	TM HEXACHLOR...	2.365	1.898	89104	105118	0.400	0.018	#
3)	TM A-BHC	2.445	1.996	269232	388354	1.834	1.754	
4)	TM G-BHC	2.713	2.189	217.6E6	326.0E6	50.496	53.013	
5)	TM B-BHC	2.713	2.189	217.6E6	326.0E6	120.023	128.280	
6)	TM D-BHC	3.061	2.356	174.8E6	573384	41.469	1.642	#
7)	TM HEPTACHLOR	3.061	2.497	174.8E6	313.7E6	46.633	51.415	
8)	TM ALDRIN	3.324	2.702	182.6E6	304.5E6	52.063	53.201	
9)	TM HEPTACHLO...	3.780	3.129	96537	64961	0.067	0.707	#
10)	TM G-CHLORDANE	3.959	3.224	9805888	361099	N.D.	1.147	
11)	TM A-CHLORDANE	4.063	3.325	231581	316727	0.043	0.978	#
12)	TM ENDOSULFAN I	4.159	3.395	60486	1720440	N.D.	0.543	
13)	TM 4,4-DDE	4.199	3.395	1295527	1720440	0.780	2.296	#
14)	TM DIELDRIN	4.343	3.607	340.8E6	576.1E6	99.858	101.430	
15)	TM ENDRIN	4.601	3.785	323.2E6	550.2E6	103.005	105.021	
16)	TM 4,4-DDD	4.695	3.868	13148176	18882352	4.437	5.385	
17)	TM ENDOSULFA...	4.781	3.868f	2026272	18882352	0.162	4.245	#
18)	TM 4,4-DDT	4.944	4.076	262.9E6	463.1E6	92.009	93.988	
19)	TM ENDRIN AL...	5.041	4.296	8335900	8483293	2.793	2.098	
20)	TM ENODOSULF...	5.211	4.592	1601516	713370	0.051	0.716	#
22)	TM ENDRIN KE...	5.583	4.867	6729525	9258981	2.381	2.191	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

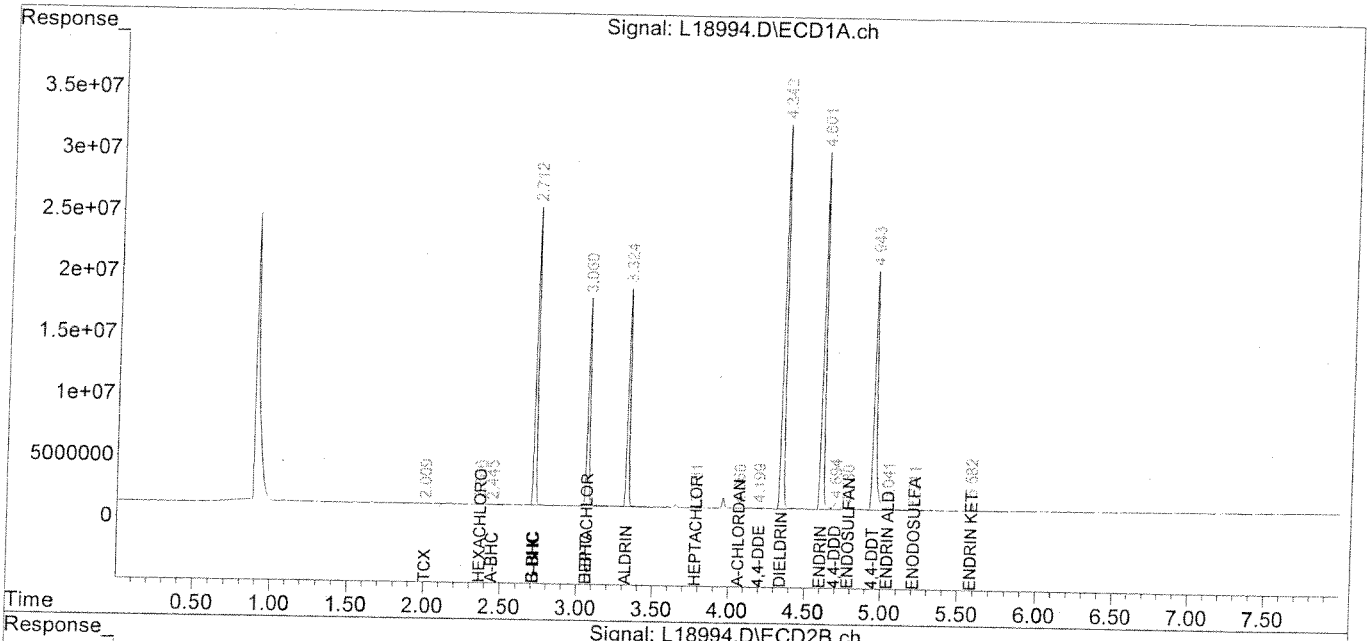
301710

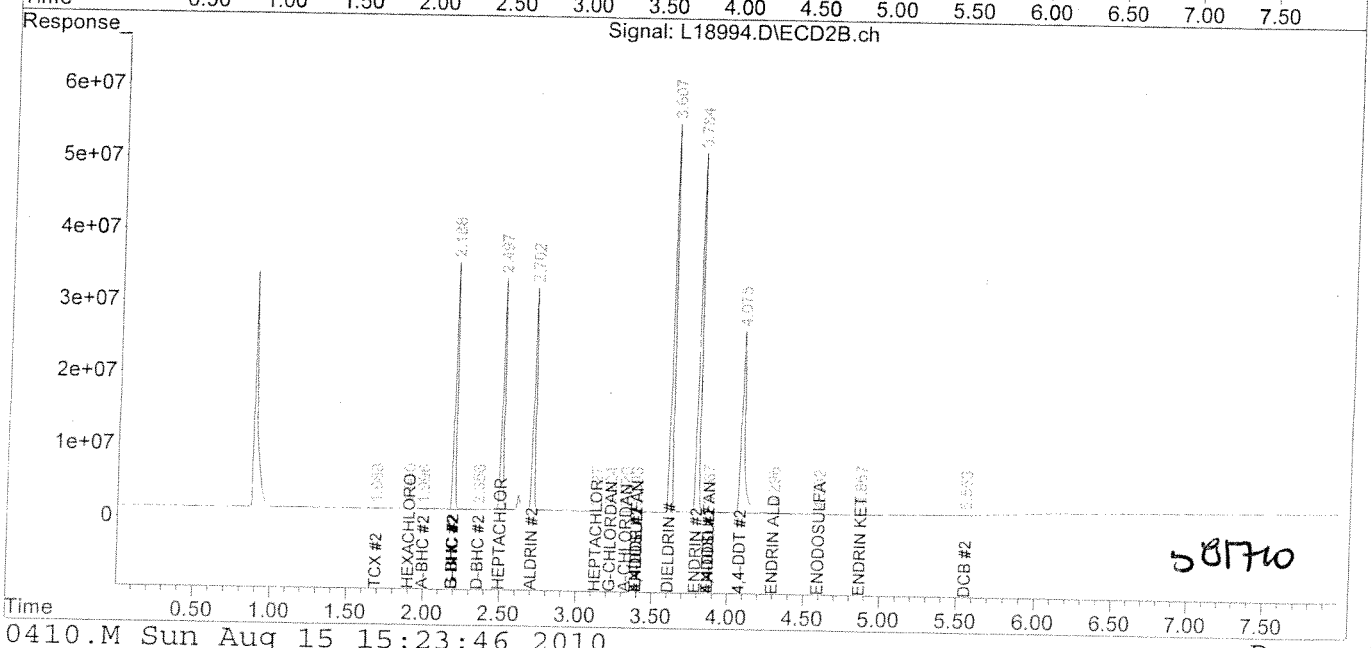
Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 2:10 pm
Operator : SMC
Sample : P5440 PEM
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 15:23:45 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JC 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





58710

Data File Name **L19006.D**
Date Acquired **8/15/2010 16:03**
Sample Name **P5440 PEM**

Name	Target Response	% BREAKDOWN	MAX 20%
4,4-DDT	269105328.8	5%	OK
4,4-DDE	1280308.733		
4,4-DDD	11771675.97		
ENDRIN	326794028.7	4%	OK
ENDRIN ALDEHYDE	5624113.905		
ENDRIN KETONE	6952613.325		
4,4-DDT #2	474343618	3%	OK
4,4-DDE #2	1494845.914		
4,4-DDD #2	14372900.75		
ENDRIN #2	557526539.1	3%	OK
ENDRIN ALDEHYDE #2	7161686.171		
ENDRIN KETONE #2	8754010.039		

JW 8.16.10

V081610

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L19006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 4:03 pm
Operator : SMC
Sample : P5440 PEM
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 18:17:02 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JU 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
1)	S	TCX	2.025	1.698	286509	767068	0.857	1.067	
		Spiked Amount	100.000	Range	46 - 122	Recovery	=	0.86%#	1.07%#
		Target Compounds							
2)	TM	HEXACHLOR...	2.353	1.906	201000	297762	0.431	0.056	#
3)	TM	A-BHC	2.443	1.998	346829	728977	1.850	1.802	
4)	TM	G-BHC	2.712	2.188	217.1E6	324.4E6	50.382	52.749	
5)	TM	B-BHC	2.771	2.241	935174	2043958	0.264	1.196	#
6)	TM	D-BHC	3.005	2.358	843174	1371701	1.793	1.769	
7)	TM	HEPTACHLOR	3.060	2.496	177.0E6	317.1E6	47.210	51.957	
8)	TM	ALDRIN	3.323	2.702	181.9E6	309.0E6	51.867	53.965	
9)	TM	HEPTACHLO...	3.784	3.132	241340	486400	0.111	0.784	#
10)	TM	G-CHLORDANE	3.958	3.225	64333147	823330	15.649	1.230	#
11)	TM	A-CHLORDANE	4.061	3.322	387444	592721	0.092	1.029	#
12)	TM	ENDOSULFAN I	4.113	3.423	197506	661439	N.D.	0.351	
13)	TM	4,4-DDE	4.197	3.392	1280309	1494846	0.775	2.249	#
14)	TM	DIELDRIN	4.342	3.606	342.5E6	580.2E6	100.338	102.141	
15)	TM	ENDRIN	4.601	3.784	326.8E6	557.5E6	104.160	106.404	
16)	TM	4,4-DDD	4.692	3.861	11771676	14372901	3.932	4.336	
17)	TM	ENDOSULFA...	4.780	3.959	2291063	2450696	0.250	0.904	#
18)	TM	4,4-DDT	4.942	4.073	269.1E6	474.3E6	94.186	96.256	
19)	TM	ENDRIN AL...	5.040	4.295	5624114	7161686	1.552	1.739	
20)	TM	ENODOSULF...	5.235	4.646	1014204	939152	N.D.	0.768	
22)	TM	ENDRIN KE...	5.582	4.865	6952613	8754010	2.452	2.096	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

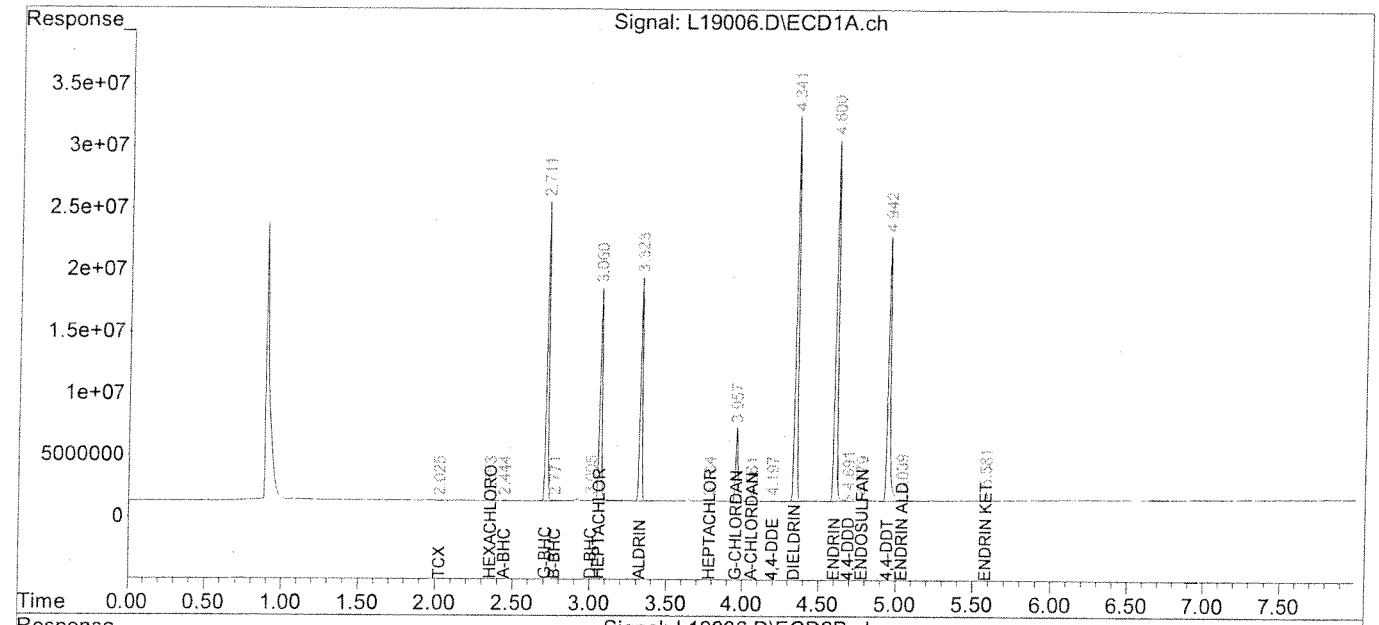
JU 1610

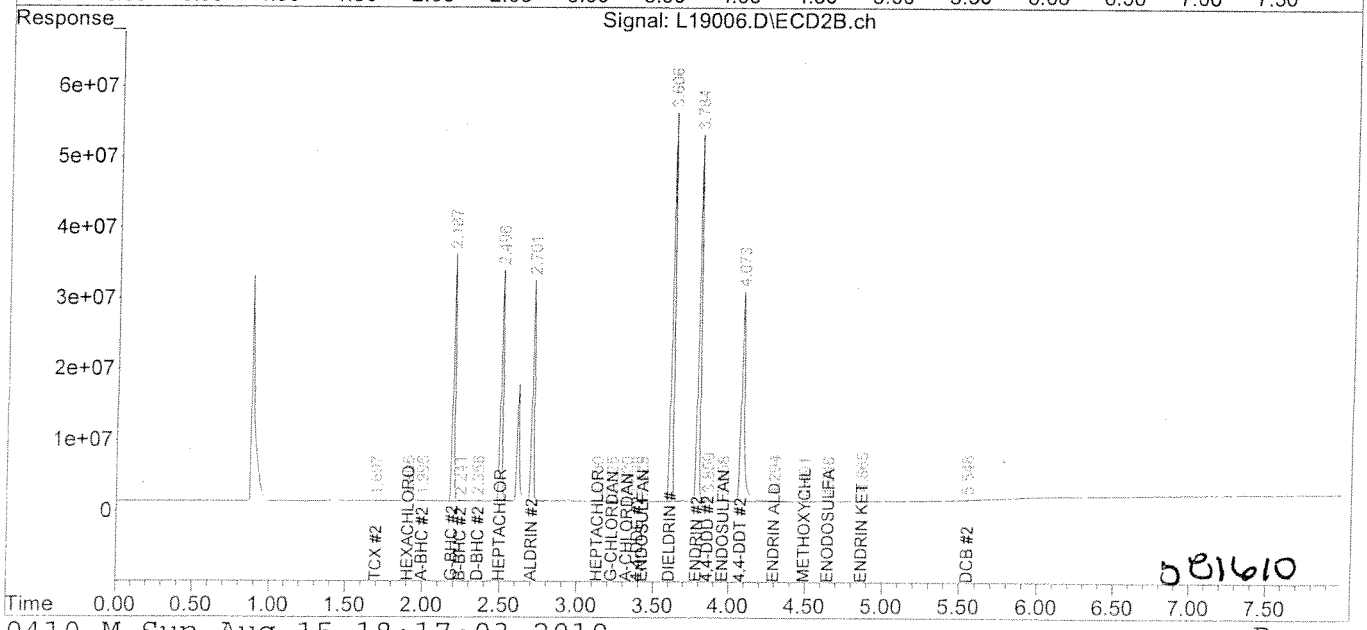
Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L19006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 4:03 pm
Operator : SMC
Sample : P5440 PEM
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 18:17:02 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JU 8-16-10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





081610

Acq. Method File C:\msdchem\1\METHODS\CT072610.M
Level 1 File Name L18589SI.D
Level 2 File Name L18590SI.D
Level 3 File Name L18591SI.D
Level 4 File Name L18592SI.D
Level 5 File Name L18593SI.D
Level 6 File Name L18594SI.D
Level 7 File Name L18595SI.D

7/31/10

Response= X + YA + Z(A*A)

Name	Calibration Fit	X	Y	Z	R^2	R
Chlordane-1	0	1.14E+06	1.89E+08	0.00E-01	1.000	1.000
Chlordane-2	0	-1.87E+05	2.44E+08	0.00E-01	0.999	1.000
Chlordane-3	0	3.77E+05	2.01E+08	0.00E-01	1.000	1.000
Chlordane-4	0	-3.62E+06	2.39E+08	0.00E-01	0.999	0.999
G-Chlordane	0	-3.65E+06	6.18E+08	0.00E-01	0.999	0.999
A-Chlordane	0	-6.44E+06	5.81E+08	0.00E-01	0.998	0.999
Toxaphene-1	0	-2.65E+06	8.02E+07	0.00E-01	0.999	0.999
Toxaphene-2	0	-4.44E+06	1.37E+08	0.00E-01	0.999	0.999
Toxaphene-3	0	-2.87E+06	1.25E+08	0.00E-01	0.997	0.999
Toxaphene-4	0	-5.88E+06	2.25E+08	0.00E-01	0.998	0.999
Toxaphene-5	0	-5.41E+06	1.71E+08	0.00E-01	0.998	0.999
Toxaphene-6	0	-2.12E+06	1.26E+08	0.00E-01	0.997	0.998
Toxaphene-7	0	-8.00E+05	6.77E+07	0.00E-01	0.990	0.995
Chlordane-1 #2	0	8.62E+03	2.16E+08	0.00E-01	0.999	1.000
Chlordane-2 #2	0	-6.88E+05	3.07E+08	0.00E-01	0.999	1.000
Chlordane-3 #2	0	1.05E+06	2.31E+08	0.00E-01	0.999	1.000
Chlordane-4 #2	0	-3.03E+06	2.14E+08	0.00E-01	0.998	0.999
G-Chlordane #2	0	-6.10E+05	8.98E+08	0.00E-01	0.999	1.000
A-Chlordane #2	0	9.15E+05	1.32E+09	0.00E-01	0.999	1.000
Toxaphene-1 #2	0	-6.87E+05	1.00E+08	0.00E-01	0.999	1.000
Toxaphene-2 #2	0	-1.80E+06	1.28E+08	0.00E-01	0.999	1.000
Toxaphene-3 #2	0	-2.72E+06	2.76E+08	0.00E-01	0.999	1.000
Toxaphene-4 #2	0	-2.14E+06	2.41E+08	0.00E-01	0.999	1.000
Toxaphene-5 #2	0	-3.68E+06	2.16E+08	0.00E-01	0.999	1.000
Toxaphene-6 #2	0	-6.32E+06	2.27E+08	0.00E-01	0.998	0.999
Toxaphene-7 #2	0	-4.31E+06	1.94E+08	0.00E-01	0.999	0.999

ıear Regression=	0
Avg RF=	1
Quadratic=	3

JOL 08-04-0

Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18589SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jul 10 8:38 am
Operator : AR
Sample : P5336 C/T 0.01/0.02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:28:47 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:13:51 2010
Response via : Initial Calibration
Integrator: ChemStation

7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
Target Compounds							
1) L1M Chlordane-1	2.968	2.468	3430183	3615361	0.004	0.019	#
2) L1M Chlordane-2	3.084	2.523	4569065	5137311	0.008	0.021	#
3) L1M Chlordane-3	3.460	2.820	3898627	4336161	0.004	0.016	#
4) L1M Chlordane-4	3.875	3.192	3021963	2758816	0.007	0.015	#
5) L1M G-Chlordane	4.042	3.253	10561175	15028389	0.015	0.022	#
6) L1M A-Chlordane	4.087	3.345	9314578	23068738	0.015	0.025	#
Sum Chlordane-1			34795591	53944777	0.053	0.118	
Average Chlordane-1					0.009	0.020	
7) L2M Toxaphene-1	4.493	3.639	1632085	3238542	0.035	0.044	#
8) L2M Toxaphene-2	4.793	3.706	2947898	3525033	0.007	0.041	#
9) L2M Toxaphene-3	4.871	3.843	8423252	8745790	0.078	0.040	#
10) L2M Toxaphene-4	4.871	3.981	8423252	7805889	0.035	0.038	
11) L2M Toxaphene-5	5.067	4.254	4376140	6862607	0.013	0.047	#
12) L2M Toxaphene-6	5.418	4.515	3041605	6451066	0.011	0.040	#
13) L2M Toxaphene-7	5.452	4.593	1471062	5289541	0.011	0.032	#
Sum Toxaphene-1			30315294	41918469	0.190	0.281	
Average Toxaphene-1					0.027	0.040	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

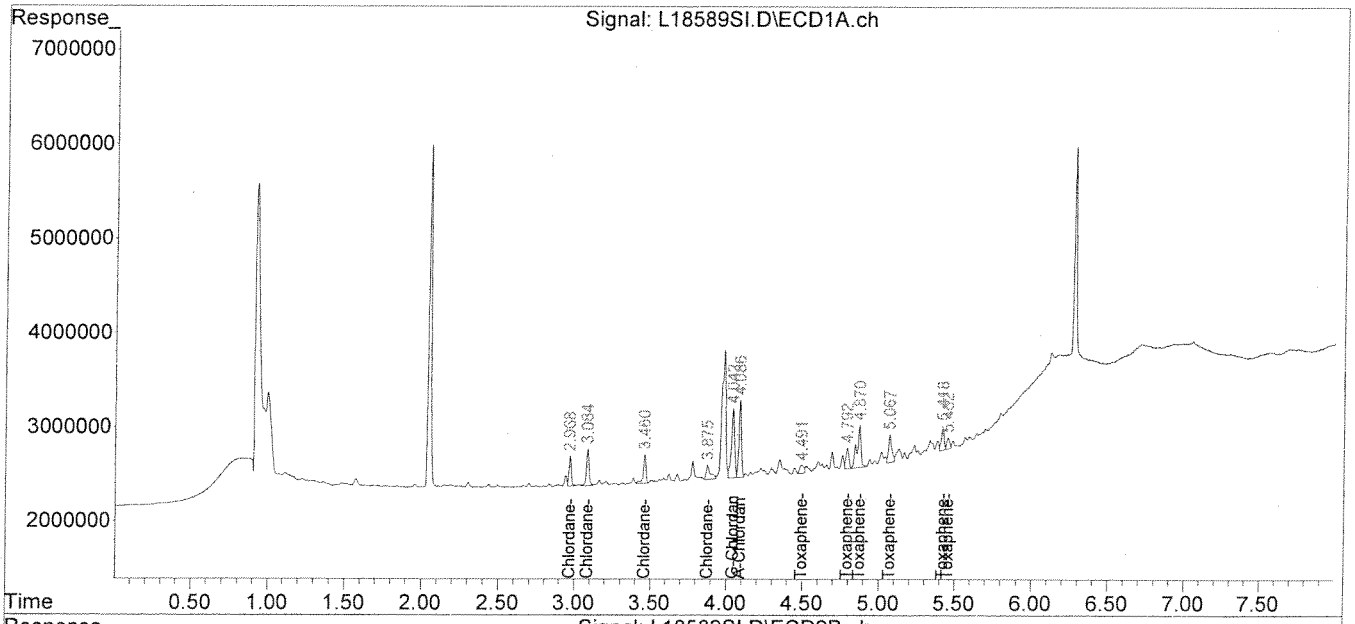
08.07.10

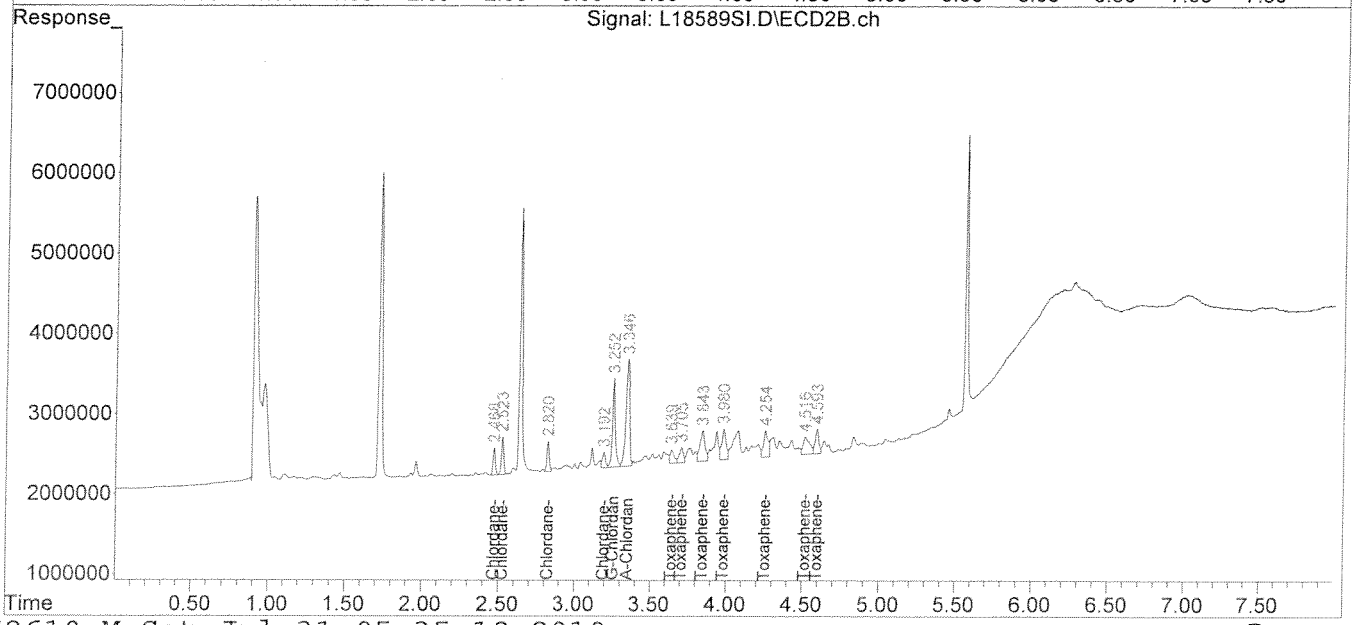
Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18589SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jul 10 8:38 am
Operator : AR
Sample : P5336 C/T 0.01/0.02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:28:47 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:13:51 2010
Response via : Initial Calibration
Integrator: ChemStation

7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um fi





JJW 08-03

Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18590SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jul 10 8:48 am
Operator : AR
Sample : P5337 C/T 0.025/0.05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:28:49 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:13:51 2010
Response via : Initial Calibration
Integrator: ChemStation

7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
Target Compounds							
1) L1M Chlordane-1	2.969	2.469	6928150	6646247	0.027	0.040	#
2) L1M Chlordane-2	3.085	2.523	7986910	9205090	0.025	0.039	#
3) L1M Chlordane-3	3.460	2.820	6438677	7414078	0.022	0.035	#
4) L1M Chlordane-4	3.875	3.192	5414718	5448320	0.024	0.032	#
5) L1M G-Chlordane	4.043	3.253	18713937	27641276	0.036	0.042	
6) L1M A-Chlordane	4.087	3.346	16705645	42352165	0.037	0.047	#
Sum Chlordane-1			62188037	98707176	0.170	0.235	
Average Chlordane-1					0.028	0.039	
7) L2M Toxaphene-1	4.491	3.641	2838437	5733674	0.093	0.079	
8) L2M Toxaphene-2	4.793	3.706	5513905	6693843	0.036	0.086	#
9) L2M Toxaphene-3	4.844	3.843	4978809	15877429	0.037	0.077	#
10) L2M Toxaphene-4	4.871	3.982	10386273	13700868	0.048	0.072	#
11) L2M Toxaphene-5	5.067	4.254	7772674	11909956	0.042	0.080	#
12) L2M Toxaphene-6	5.418	4.515	6119726	11360281	0.042	0.069	#
13) L2M Toxaphene-7	5.450	4.593	2879042	9971320	0.036	0.065	#
Sum Toxaphene-1			40488865	75247372	0.334	0.529	
Average Toxaphene-1					0.048	0.076	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

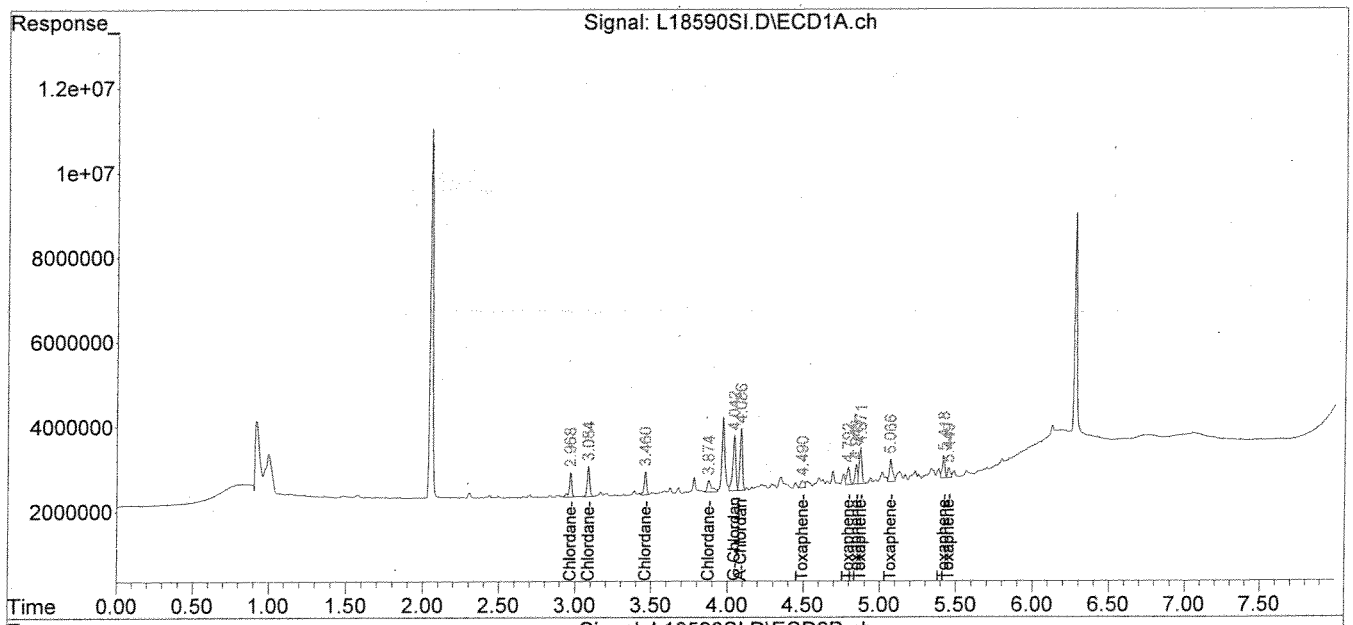
08.07.10

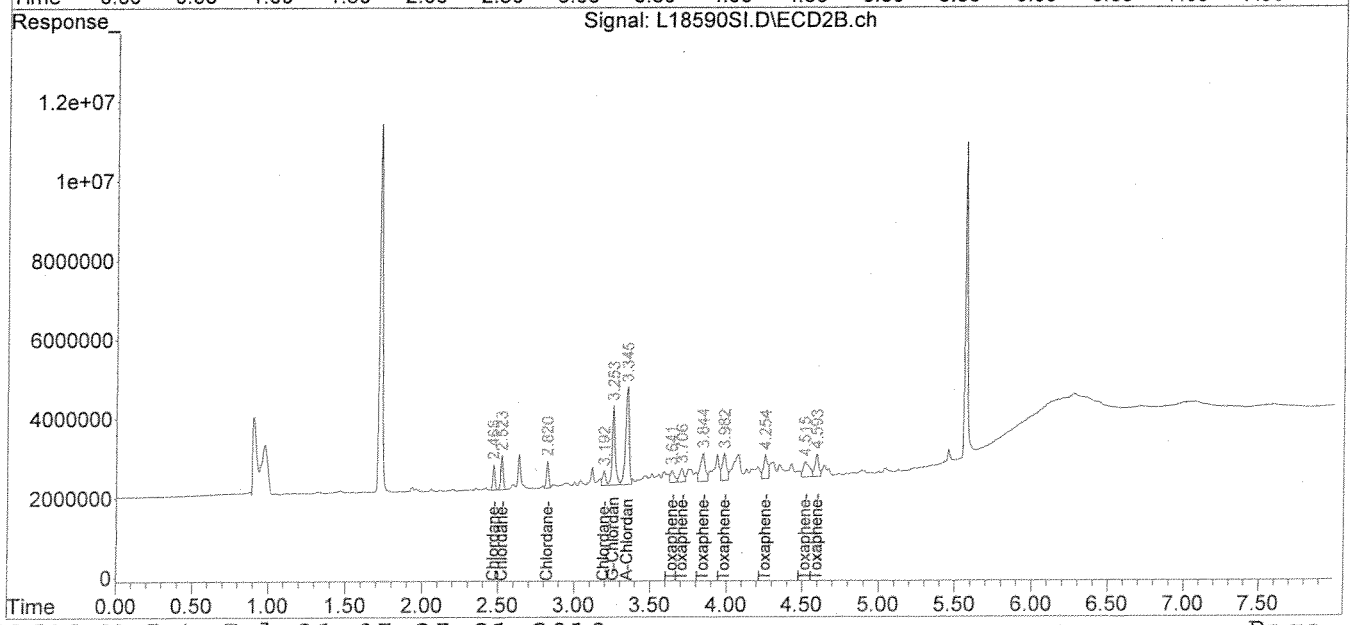
Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18590SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jul 10 8:48 am
Operator : AR
Sample : P5337 C/T 0.025/0.05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:28:49 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:13:51 2010
Response via : Initial Calibration
Integrator: ChemStation

7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um fi





VSL 08-07-10

Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18591SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jul 10 8:59 am
Operator : AR
Sample : P5338 C/T 0.05/0.1
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:28:51 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:13:51 2010
Response via : Initial Calibration
Integrator: ChemStation

7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
Target Compounds							
1) L1M Chlordane-1	2.969	2.469	10533881	10290256	0.050	0.064	#
2) L1M Chlordane-2	3.085	2.523	12062449	14201648	0.045	0.061	#
3) L1M Chlordane-3	3.461	2.821	9694485	11533938	0.046	0.061	#
4) L1M Chlordane-4	3.876	3.192	7229698	8349997	0.038	0.051	#
5) L1M G-Chlordane	4.043	3.254	25713500	40673277	0.054	0.064	
6) L1M A-Chlordane	4.087	3.346	23774684	61881860	0.057	0.069	
Sum Chlordane-1			89008697	146.9E6	0.289	0.369	
Average Chlordane-1					0.048	0.062	
7) L2M Toxaphene-1	4.492	3.641	4651329	8347608	0.180	0.116	#
8) L2M Toxaphene-2	4.793	3.706	7893809	10141439	0.063	0.136	#
9) L2M Toxaphene-3	4.845	3.843	7823052	23356098	0.071	0.116	#
10) L2M Toxaphene-4	4.872	3.982	15021430	20760493	0.079	0.112	#
11) L2M Toxaphene-5	5.068	4.255	11379268	16633679	0.073	0.111	#
12) L2M Toxaphene-6	5.419	4.514	17335402	16217969	0.158	0.098	#
13) L2M Toxaphene-7	5.452	4.593	14605689	14710765	0.245	0.098	#
Sum Toxaphene-1			78709978	110.2E6	0.867	0.788	
Average Toxaphene-1					0.124	0.113	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

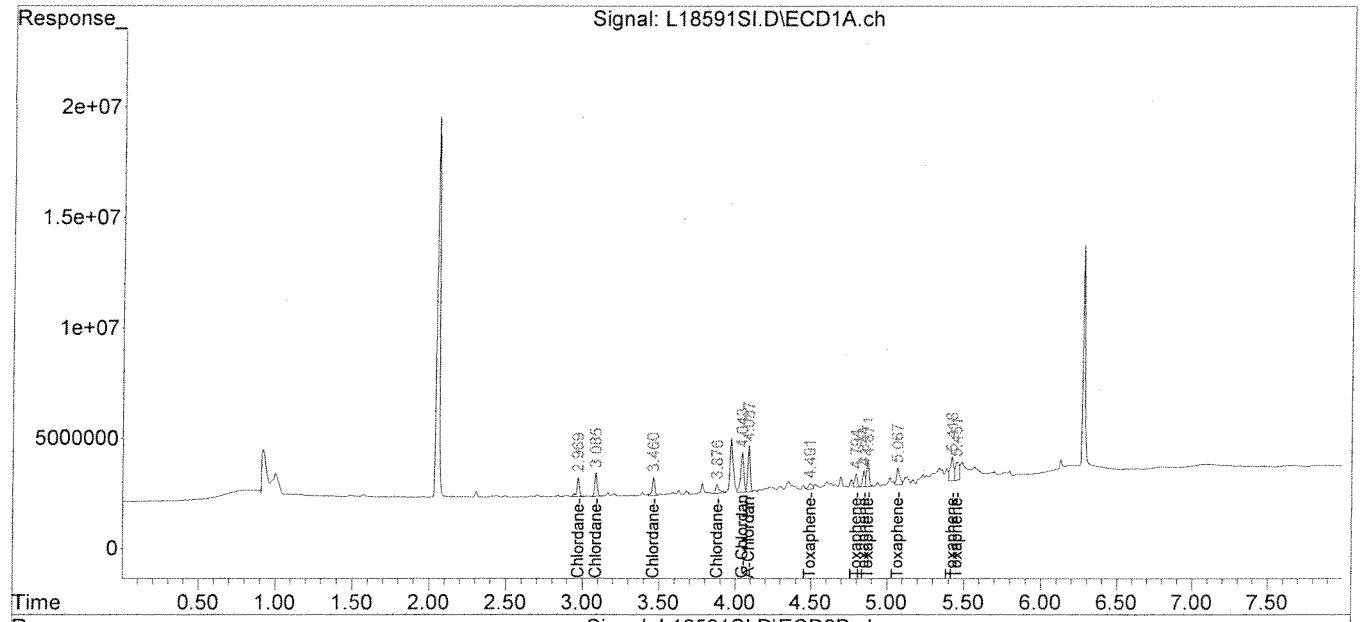
JL
08.07.10

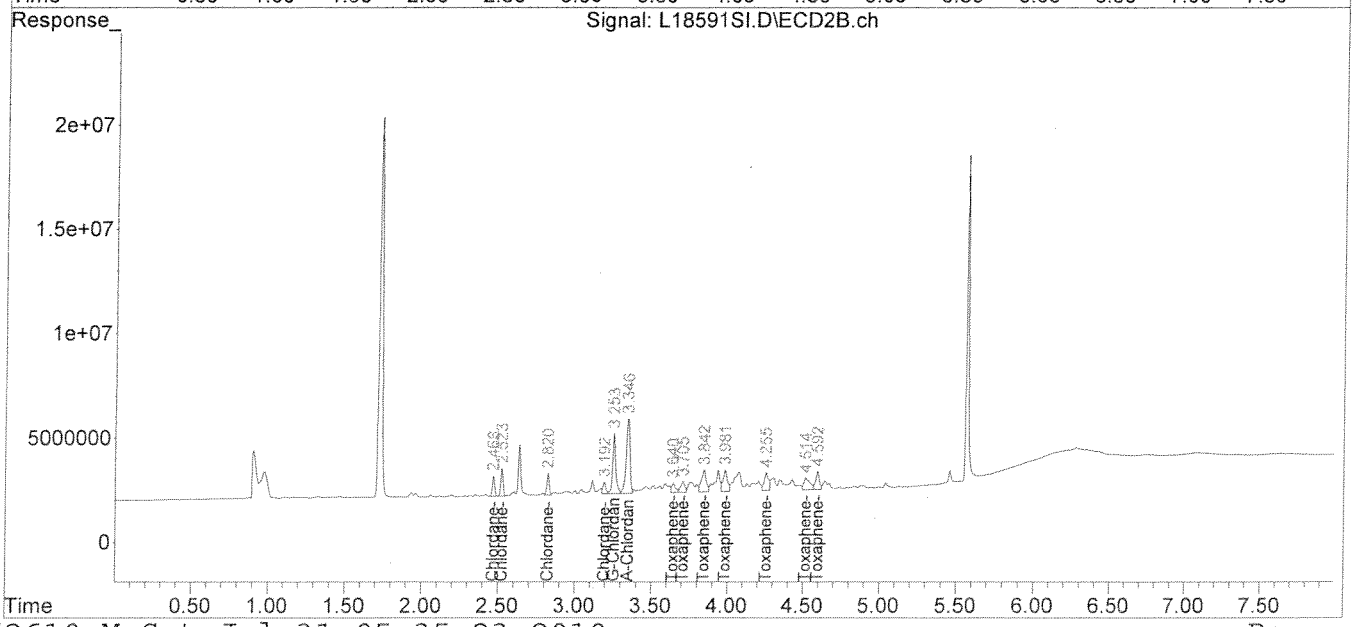
Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18591SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jul 10 8:59 am
Operator : AR
Sample : P5338 C/T 0.05/0.1
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:28:51 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:13:51 2010
Response via : Initial Calibration
Integrator: ChemStation

OK 7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um fi





JL 08-07-10

Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18592SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jul 10 9:09 am
Operator : AR
Sample : P5339 C/T 0.1/0.2
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:28:53 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:13:51 2010
Response via : Initial Calibration
Integrator: ChemStation

7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
Target Compounds							
1) L1M Chlordane-1	2.969	2.469	18196410	18728596	0.098	0.120	
2) L1M Chlordane-2	3.085	2.523	21688761	26110575	0.092	0.114	
3) L1M Chlordane-3	3.460	2.820	19004717	21054522	0.113	0.121	
4) L1M Chlordane-4	3.875	3.192	17549779	16018492	0.113	0.100	
5) L1M G-Chlordane	4.042	3.253	49380643	75981723	0.115	0.121	
6) L1M A-Chlordane	4.087	3.345	44900717	114.1E6	0.118	0.129	
Sum Chlordane-1			170.7E6	272.0E6	0.649	0.704	
Average Chlordane-1					0.108	0.117	
7) L2M Toxaphene-1	4.492	3.641	10513208	16444773	0.461	0.231	#
8) L2M Toxaphene-2	4.792	3.706	19591528	19673559	0.194	0.274	#
9) L2M Toxaphene-3	4.844	3.843	18055041	45111323	0.191	0.230	
10) L2M Toxaphene-4	4.871	3.981	33074849	39893077	0.198	0.222	
11) L2M Toxaphene-5	5.068	4.254	24954621	34498616	0.188	0.228	
12) L2M Toxaphene-6	5.418	4.514	18753021	33485015	0.173	0.200	
13) L2M Toxaphene-7	5.450	4.593	9250716	29556369	0.149	0.203	#
Sum Toxaphene-1			134.2E6	218.7E6	1.554	1.588	
Average Toxaphene-1					0.222	0.227	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

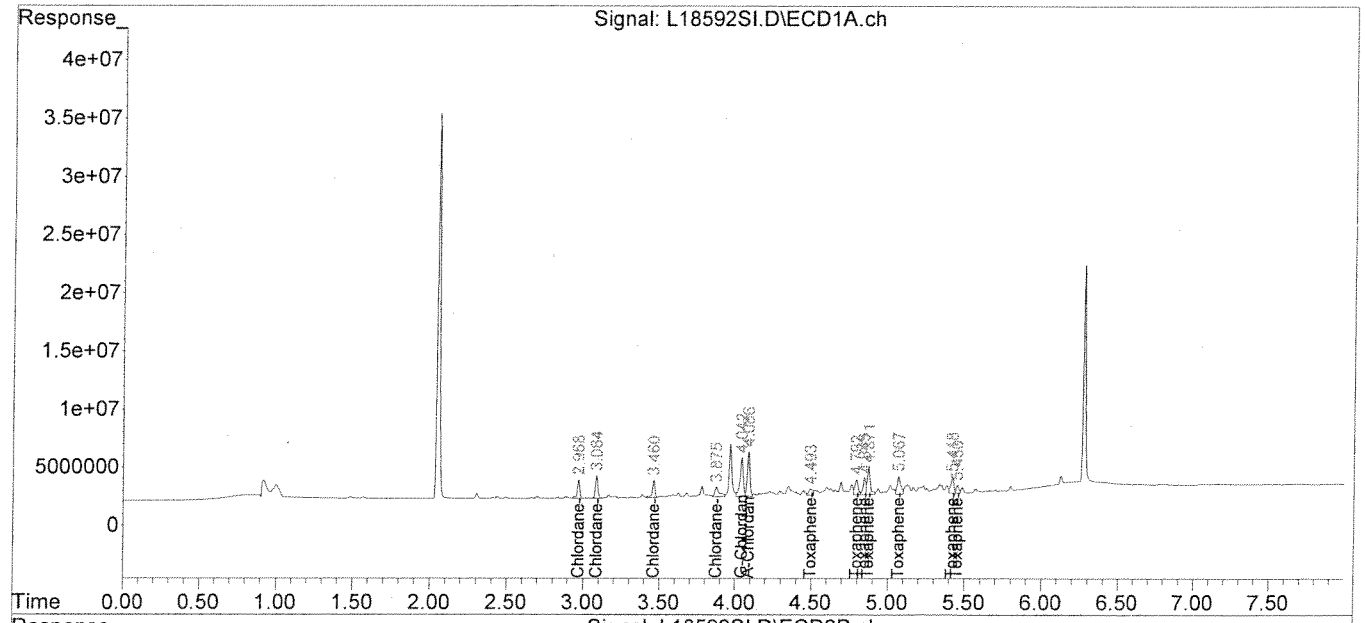
03-07-10

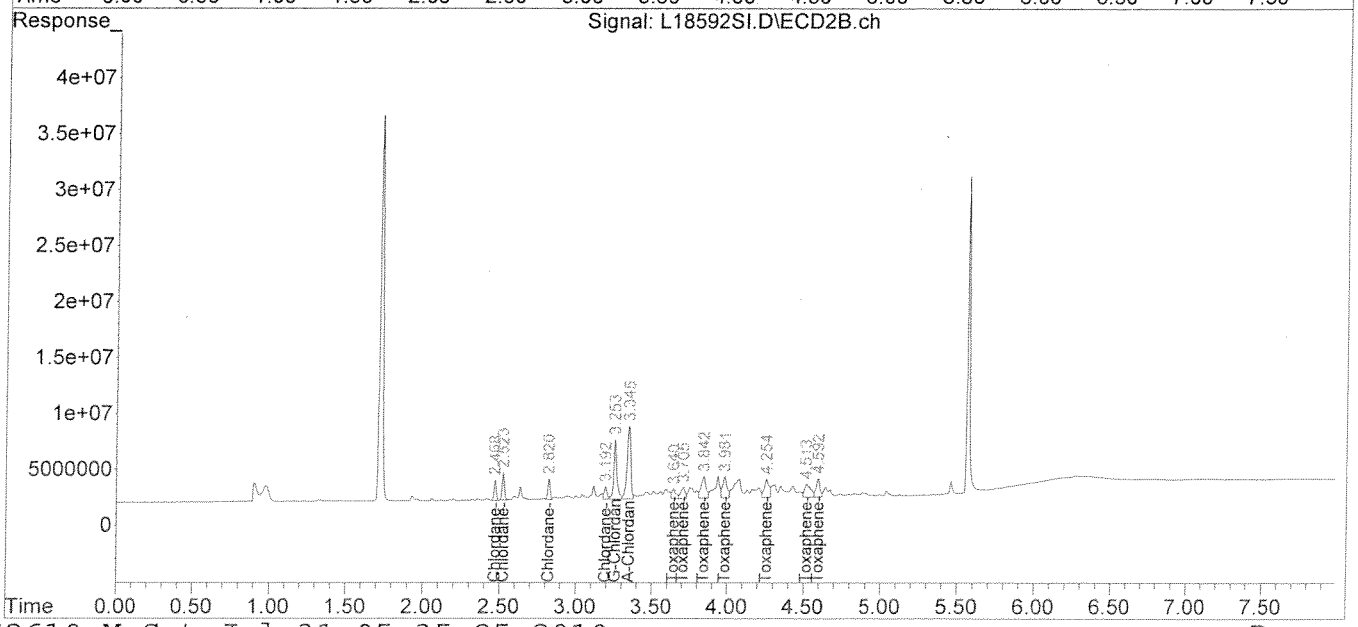
Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18592SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jul 10 9:09 am
Operator : AR
Sample : P5339 C/T 0.1/0.2
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:28:53 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:13:51 2010
Response via : Initial Calibration
Integrator: ChemStation

7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um fi





JJL 08.07.10

Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18593SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jul 10 9:21 am
Operator : AR
Sample : P5441C/T 0.25/0.5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:28:55 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:13:51 2010
Response via : Initial Calibration
Integrator: ChemStation

7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.974	2.470	47855613	52833953	0.287	0.347
2) L1M Chlordane-2	3.089	2.524	57863719	73350467	0.270	0.324
3) L1M Chlordane-3	3.465	2.821	51397575	58828708	0.347	0.358
4) L1M Chlordane-4	3.880	3.193	51395157	45249782	0.361	0.288
5) L1M G-Chlordane	4.048	3.254	140.7E6	219.3E6	0.351	0.354
6) L1M A-Chlordane	4.092	3.346	128.4E6	325.5E6	0.358	0.369
Sum Chlordane-1			477.6E6	775.1E6	1.974	2.040
Average Chlordane-1					0.329	0.340
7) L2M Toxaphene-1	4.496	3.642	34834818	47367888	1.628	0.669 #
8) L2M Toxaphene-2	4.797	3.707	59715033	60336954	0.643	0.860 #
9) L2M Toxaphene-3	4.848	3.844	54024904	129.7E6	0.616	0.671
10) L2M Toxaphene-4	4.875	3.982	96841177	114.1E6	0.618	0.650
11) L2M Toxaphene-5	5.071	4.256	72591834	97560176	0.593	0.642
12) L2M Toxaphene-6	5.421	4.515	53196871	97528874	0.528	0.578
13) L2M Toxaphene-7	5.454	4.593	26668022	85980722	0.460	0.602 #
Sum Toxaphene-1			397.9E6	632.6E6	5.087	4.672
Average Toxaphene-1					0.727	0.667

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

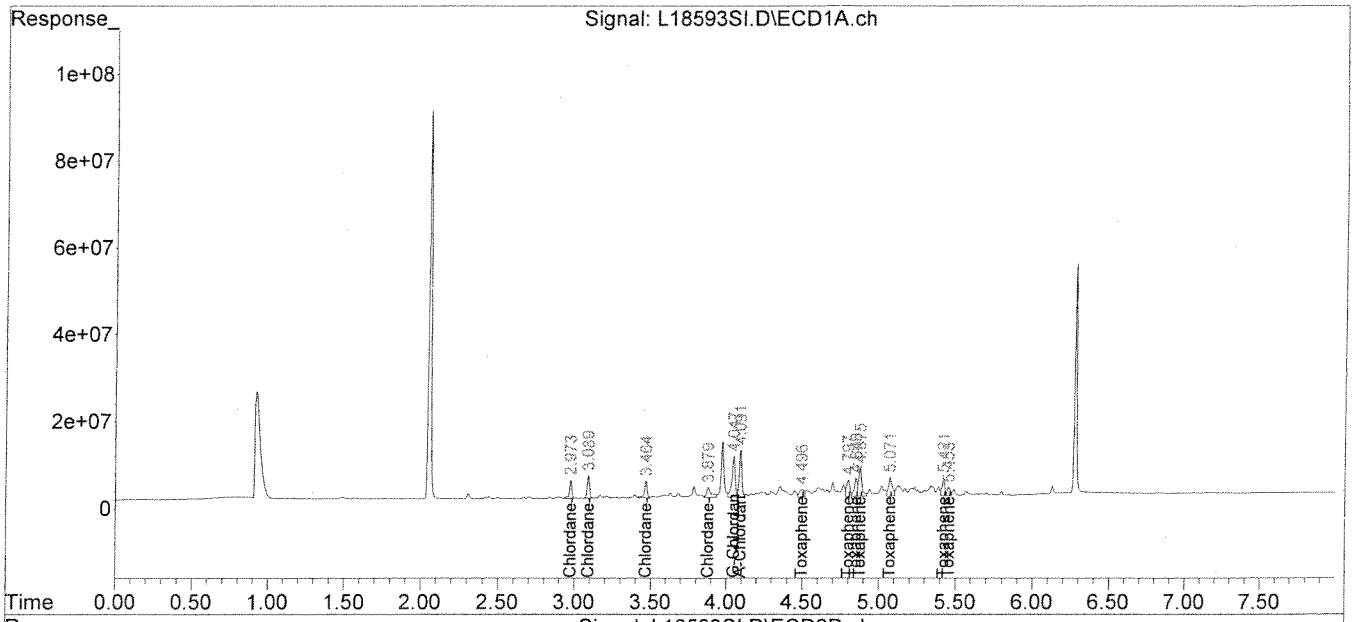
08-07-10

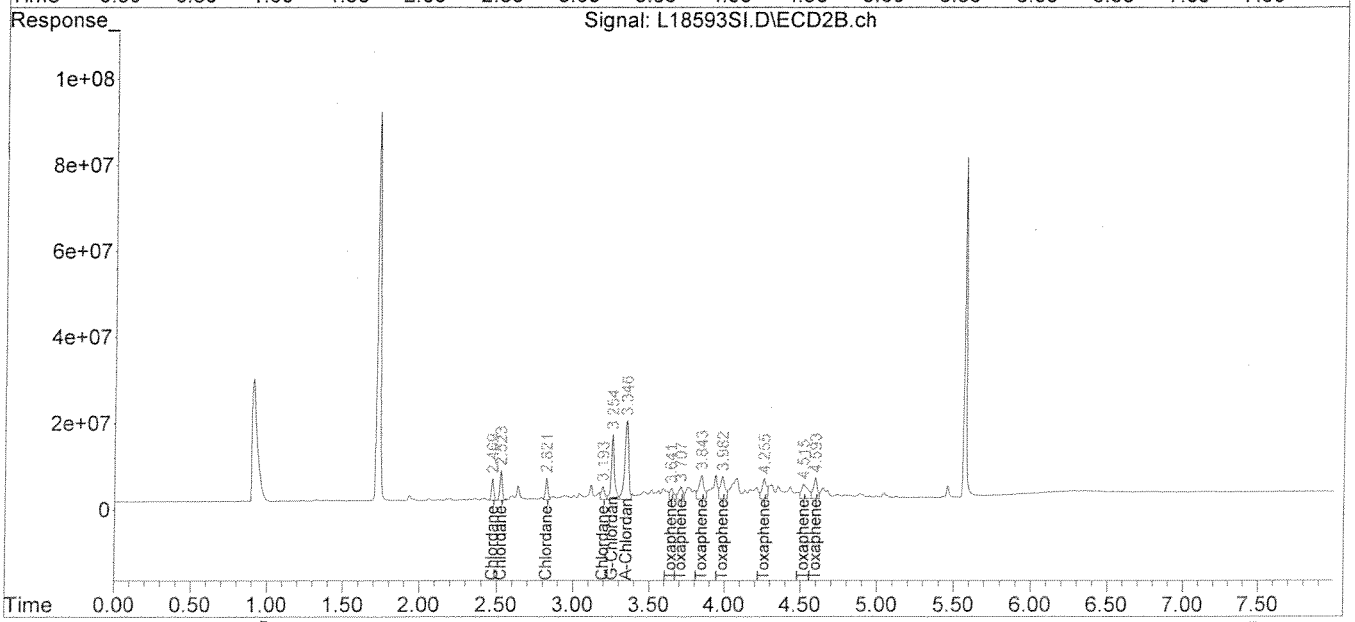
Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18593SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
`cq On : 27 Jul 10 9:21 am
perator : AR
Sample : P5441C/T 0.25/0.5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:28:55 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:13:51 2010
Response via : Initial Calibration
Integrator: ChemStation

7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um fi





JA 08.07.10

Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18594SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jul 10 9:31 am
Operator : AR
Sample : P5438 C/T 0.5/1
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:28:57 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:13:51 2010
Response via : Initial Calibration
Integrator: ChemStation

7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
Target Compounds							
1) L1M Chlordane-1	2.969	2.469	97421292	110.9E6	0.602	0.733	
2) L1M Chlordane-2	3.085	2.523	122.2E6	155.3E6	0.586	0.687	
3) L1M Chlordane-3	3.461	2.820	98611019	120.7E6	0.689	0.745	
4) L1M Chlordane-4	3.876	3.192	115.1E6	101.2E6	0.827	0.649	
5) L1M G-Chlordane	4.043	3.253	310.6E6	462.0E6	0.790	0.749	
6) L1M A-Chlordane	4.088	3.346	273.4E6	683.2E6	0.775	0.776	
Sum Chlordane-1			1017.3E6	1633.2E6	4.269	4.340	
Average Chlordane-1					0.712	0.723	
7) L2M Toxaphene-1	4.493	3.640	79739588	102.7E6	3.783	1.452	#
8) L2M Toxaphene-2	4.793	3.705	133.2E6	128.2E6	1.467	1.840	#
9) L2M Toxaphene-3	4.845	3.842	121.2E6	277.1E6	1.409	1.440	
10) L2M Toxaphene-4	4.872	3.981	217.7E6	241.5E6	1.415	1.383	
11) L2M Toxaphene-5	5.069	4.254	163.0E6	212.7E6	1.361	1.396	
12) L2M Toxaphene-6	5.418	4.514	121.0E6	217.7E6	1.228	1.289	
13) L2M Toxaphene-7	5.451	4.593	64047531	189.3E6	1.126	1.332	
Sum Toxaphene-1			899.9E6	1369.3E6	11.789	10.133	
Average Toxaphene-1					1.684	1.448	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

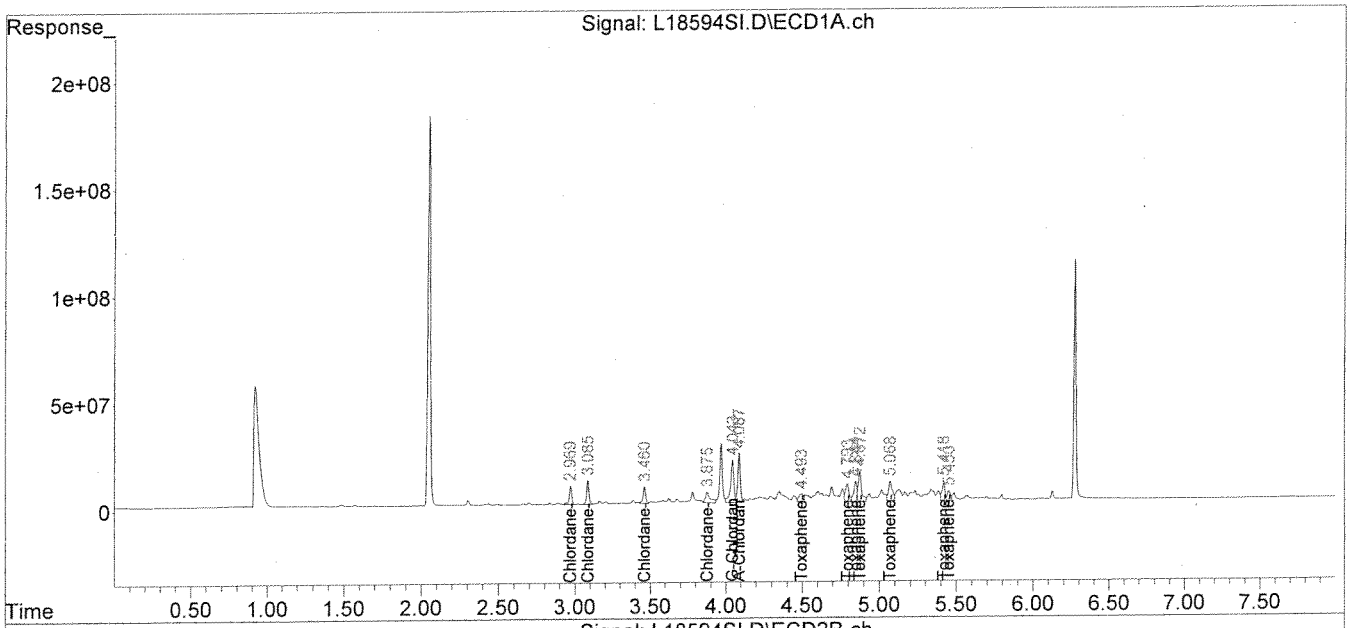
JL 08-02-10

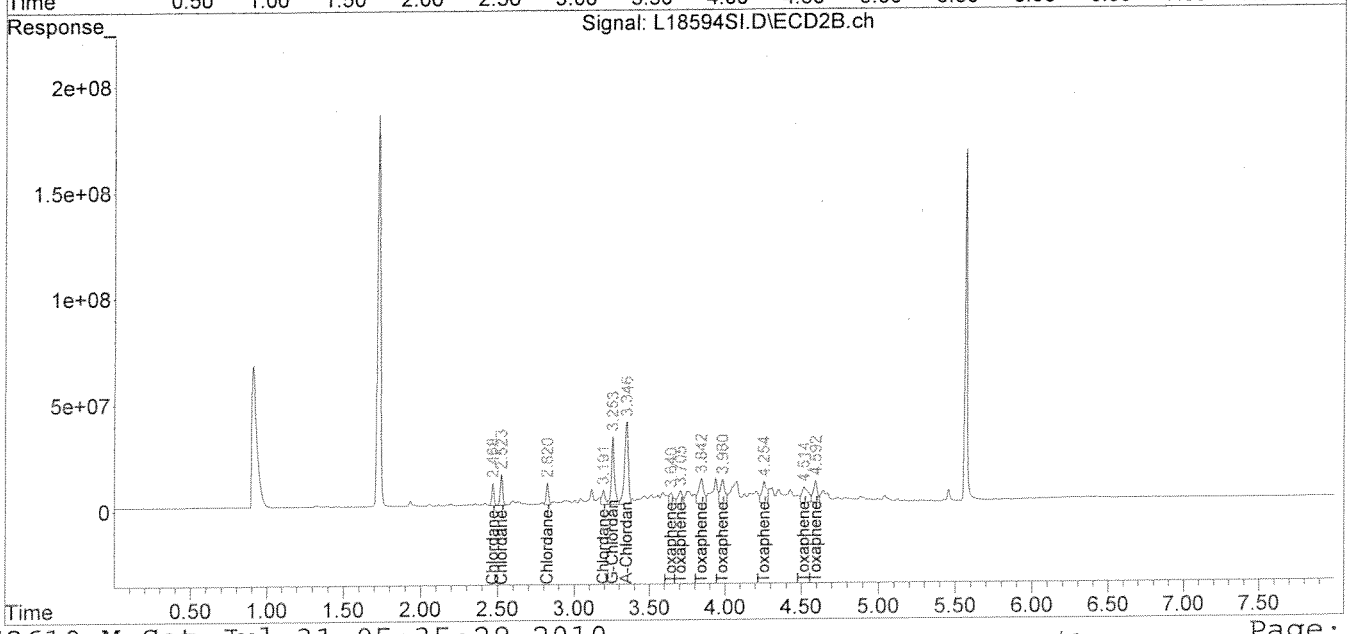
Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18594SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jul 10 9:31 am
Operator : AR
Sample : P5438 C/T 0.5/1
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:28:57 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:13:51 2010
Response via : Initial Calibration
Integrator: ChemStation

7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um fi





Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18595SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jul 10 9:41 am
Operator : AR
Sample : P5342 C/T 1/2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:28:59 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:13:51 2010
Response via : Initial Calibration
Integrator: ChemStation

MV 7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.969	2.469	190.0E6	215.4E6	1.191	1.428
2) L1M Chlordane-2	3.085	2.523	244.7E6	306.4E6	1.188	1.358
3) L1M Chlordane-3	3.461	2.820	202.3E6	230.0E6	1.439	1.431
4) L1M Chlordane-4	3.876	3.192	236.6E6	213.6E6	1.717	1.372
5) L1M G-Chlordane	4.043	3.253	615.7E6	893.7E6	1.579	1.451
6) L1M A-Chlordane	4.088	3.346	583.1E6	1318.4E6	1.666	1.500
Sum Chlordane-1			2072.4E6	3177.4E6	8.779	8.541
Average Chlordane-1					1.463	1.423
7) L2M Toxaphene-1	4.493	3.640	157.5E6	198.5E6	7.515	2.807 #
8) L2M Toxaphene-2	4.793	3.706	271.4E6	253.8E6	3.015	3.652
9) L2M Toxaphene-3	4.845	3.843	249.8E6	549.9E6	2.929	2.862
10) L2M Toxaphene-4	4.872	3.981	446.9E6	480.6E6	2.926	2.760
11) L2M Toxaphene-5	5.069	4.254	340.3E6	430.6E6	2.868	2.825
12) L2M Toxaphene-6	5.418	4.514	253.1E6	452.8E6	2.590	2.679
13) L2M Toxaphene-7	5.451	4.592	137.6E6	386.2E6	2.437	2.723
Sum Toxaphene-1			1856.6E6	2752.3E6	24.280	20.308
Average Toxaphene-1					3.469	2.901

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

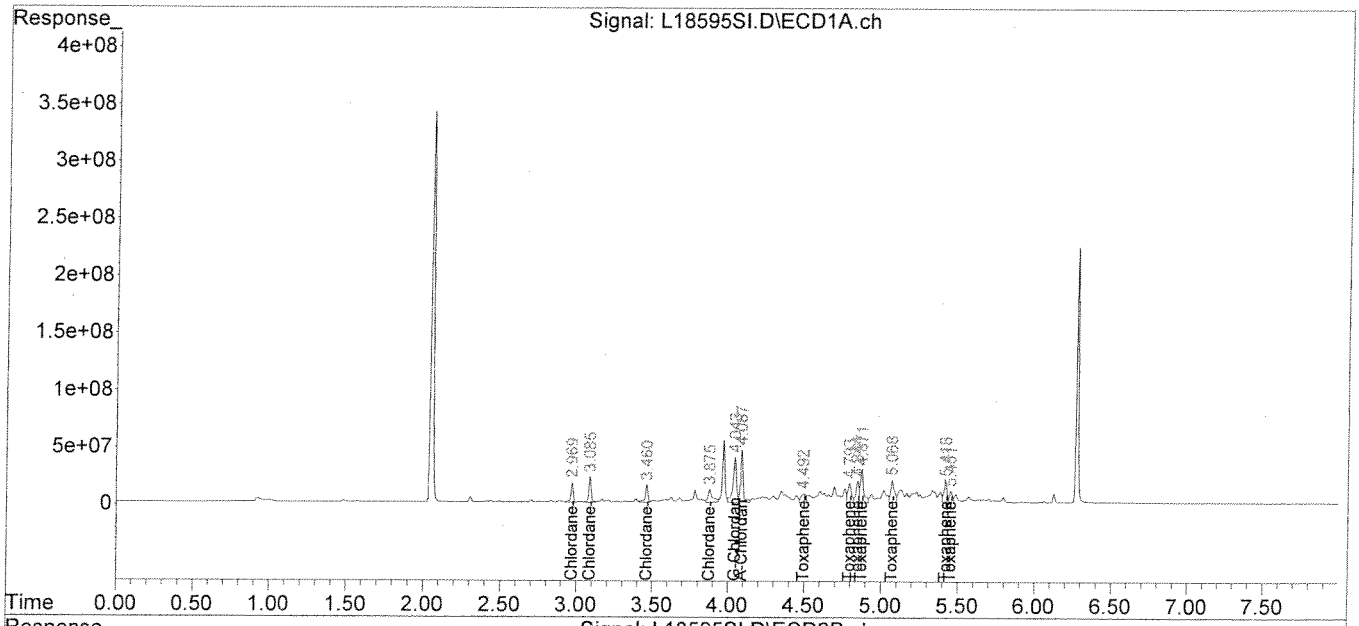
JL 08/07/10

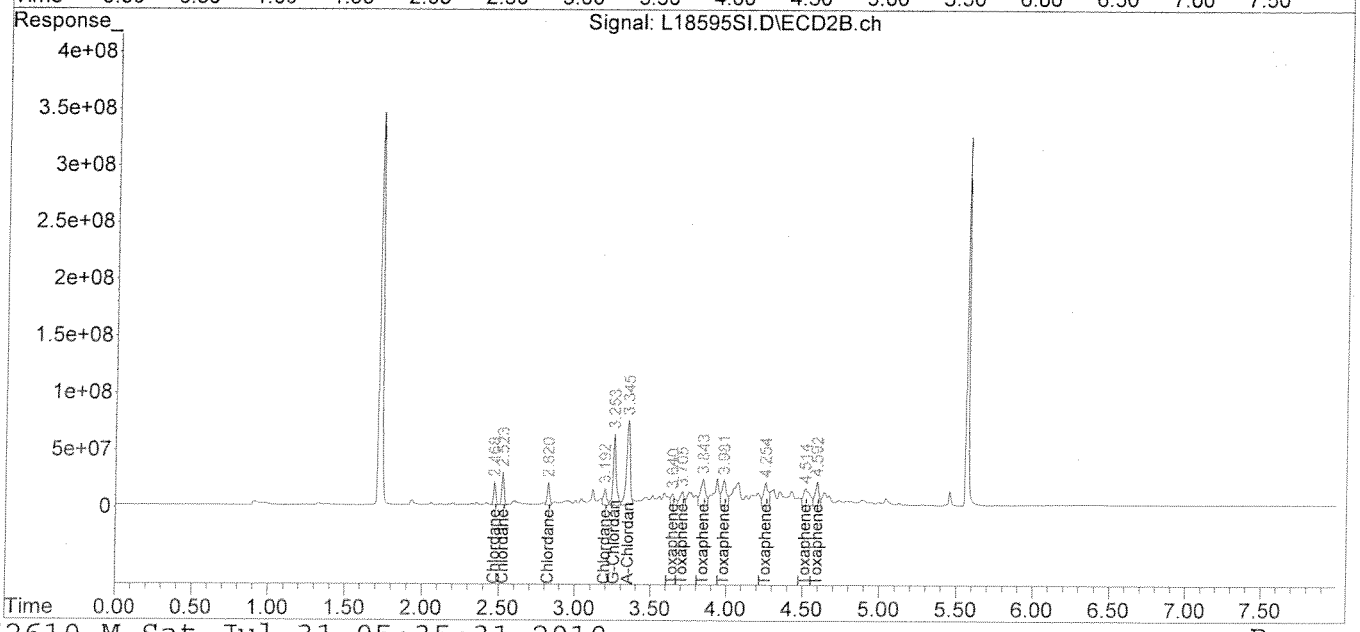
Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18595SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jul 10 9:41 am
Operator : AR
Sample : P5342 C/T 1/2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:28:59 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:13:51 2010
Response via : Initial Calibration
Integrator: ChemStation

7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um fi





08-07-1

CHLORDANE/TOXAPHENE
INITIAL CALIBRATION VERIFICATION

7/31/

Instrument ID: L
GC Column #1: RTX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: RTX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5427 C/T CC 0.5/1.0
Data File ID: L18596SI.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.531	106		0.539	108	
Toxaphene	1.138	114		1.055	106	

Lower Limit	Upper Limit
80	120

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

08-07

CHLORDANE/TOXAPHENE FORM 7

Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18596SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jul 10 9:52 am
Operator : AR
Sample : P5427 C/T CC 0.5/1.0
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:32:52 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:31:31 2010
Response via : Initial Calibration
Integrator: ChemStation

7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.969	2.468	84925487	90391604	0.443	0.418
2) L1M Chlordane-2	3.085	2.523	146.0E6	188.8E6	0.599	0.617
3) L1M Chlordane-3	3.460	2.820	98092893	117.9E6	0.486	0.507
4) L1M Chlordane-4	3.876	3.192	126.6E6	106.3E6	0.546	0.511
5) L1M G-Chlordane	4.043	3.253	394.3E6	502.9E6	0.643	0.560
6) L1M A-Chlordane	4.087	3.343	266.7E6	821.5E6	0.470	0.620 #
Sum Chlordane-1			1116.6E6	1827.9E6	3.187	3.233
Average Chlordane-1					0.531	0.539
7) L2M Toxaphene-1	4.493	3.640	161.4E6	115.0E6	2.046	1.157 #
8) L2M Toxaphene-2	4.793	3.705	136.4E6	145.6E6	1.026	1.152
9) L2M Toxaphene-3	4.844	3.842	131.2E6	306.2E6	1.071	1.119
10) L2M Toxaphene-4	4.871	3.981	212.6E6	253.5E6	0.972	1.060
11) L2M Toxaphene-5	5.068	4.254	162.9E6	212.7E6	0.984	1.001
12) L2M Toxaphene-6	5.418	4.514	121.1E6	204.4E6	0.978	0.927
13) L2M Toxaphene-7	5.450	4.592	59537946	184.0E6	0.891	0.970
Sum Toxaphene-1			985.0E6	1421.3E6	7.967	7.385
Average Toxaphene-1					1.138	1.055

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

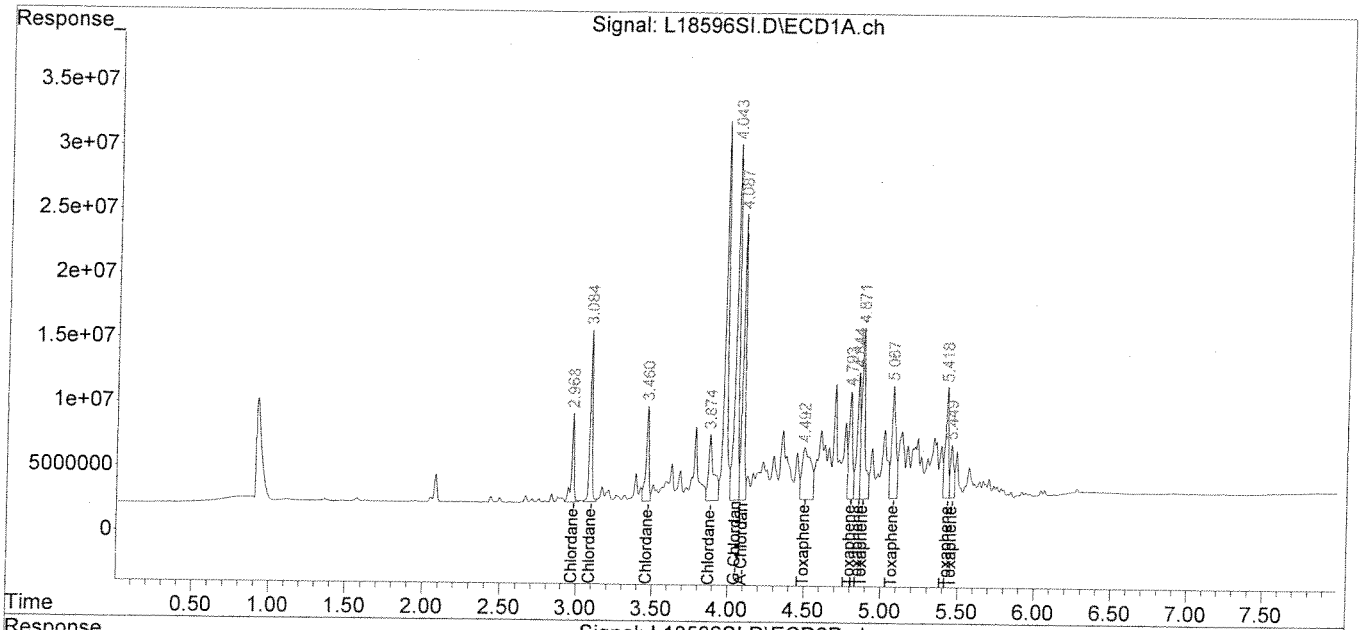
03-07-10

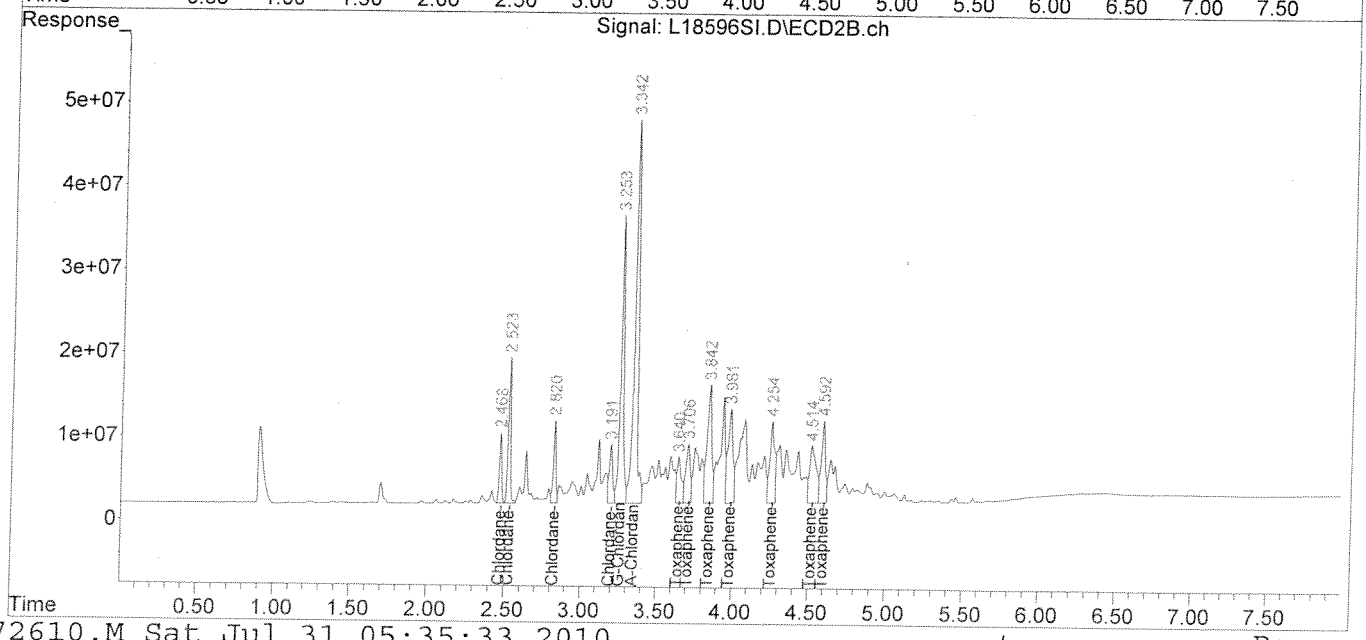
Data Path : C:\msdchem\1\DATA\072610-L\
Data File : L18596SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jul 10 9:52 am
Operator : AR
Sample : P5427 C/T CC 0.5/1.0
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Jul 31 05:32:52 2010
Quant Method : C:\msdchem\1\METHODS\CT072610.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Jul 31 05:31:31 2010
Response via : Initial Calibration
Integrator: ChemStation

AR 7/31/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um fi





 08.07.10

MV 8/5/10

Acq. Method File C:\msdchem\1\METHODS\PT080410.M
Level 1 File Name L18698SI.D
Level 2 File Name L18699SI.D
Level 3 File Name L18700SI.D
Level 4 File Name L18701SI.D
Level 5 File Name L18702SI.D
Level 6 File Name L18703SI.D
Level 7 File Name L18704SI.D
Level 8 File Name L18705SI.D

Response= X + YA + Z(A*A)

Name	Calibration Fit	X	Y	Z	R^2	R
TCX	0	-1.52E+06	3.25E+06	0.00E-01	0.999	1.000
HEXACHLOROBENZENE	0	-3.34E+05	3.55E+06	0.00E-01	0.999	1.000
A-BHC	0	-7.58E+06	4.94E+06	0.00E-01	0.999	0.999
G-BHC	0	-5.65E+06	4.44E+06	0.00E-01	0.999	0.999
B-BHC	0	9.65E+05	1.81E+06	0.00E-01	1.000	1.000
D-BHC	0	-6.53E+06	4.38E+06	0.00E-01	0.999	0.999
HEPTACHLOR	0	-1.25E+06	3.79E+06	0.00E-01	0.999	1.000
ALDRIN	0	-8.90E+05	3.53E+06	0.00E-01	0.999	1.000
HEPTACHLOR EPOXIDE	0	5.16E+05	3.31E+06	0.00E-01	0.999	1.000
G-CHLORDANE	0	1.34E+07	3.32E+06	0.00E-01	0.993	0.997
A-CHLORDANE	0	6.75E+05	3.17E+06	0.00E-01	0.999	1.000
ENDOSULFAN I	0	1.36E+06	2.95E+06	0.00E-01	1.000	1.000
4,4-DDE	0	-4.93E+05	3.26E+06	0.00E-01	0.999	1.000
DIELDRIN	0	-4.52E+05	3.42E+06	0.00E-01	0.999	1.000
ENDRIN	0	-9.04E+04	3.14E+06	0.00E-01	0.999	1.000
4,4-DDD	0	4.32E+05	2.73E+06	0.00E-01	0.999	1.000
ENDOSULFAN II	0	1.85E+06	3.01E+06	0.00E-01	1.000	1.000
4,4-DDT	0	8.68E+05	2.85E+06	0.00E-01	0.999	0.999
ENDRIN ALDEHYDE	0	2.93E+06	2.18E+06	0.00E-01	1.000	1.000
ENODOSULFAN SULFATE	0	4.37E+06	2.62E+06	0.00E-01	0.999	1.000
METHOXYCHLOR	0	4.10E+06	1.40E+06	0.00E-01	0.999	0.999
ENDRIN KETONE	0	-1.16E+04	3.14E+06	0.00E-01	0.999	1.000
DCB	0	3.14E+06	1.88E+06	0.00E-01	0.999	1.000
TCX #2	0	-4.01E+06	4.52E+06	0.00E-01	0.999	1.000
HEXACHLOROBENZENE #2	0	1.67E+05	4.98E+06	0.00E-01	0.999	1.000
A-BHC #2	0	-1.13E+07	7.05E+06	0.00E-01	0.999	1.000
G-BHC #2	0	-8.94E+06	6.32E+06	0.00E-01	0.999	1.000
B-BHC #2	0	-7.69E+05	2.55E+06	0.00E-01	0.999	1.000
D-BHC #2	0	-1.02E+07	6.29E+06	0.00E-01	0.999	1.000
HEPTACHLOR #2	0	-5.78E+06	6.22E+06	0.00E-01	0.999	1.000
ALDRIN #2	0	-5.40E+06	5.83E+06	0.00E-01	0.999	1.000
HEPTACHLOR EPOXIDE #2	0	-3.81E+06	5.43E+06	0.00E-01	0.999	1.000
G-CHLORDANE #2	0	-6.37E+06	5.57E+06	0.00E-01	0.999	1.000
A-CHLORDANE #2	0	-5.00E+06	5.41E+06	0.00E-01	0.999	1.000
ENDOSULFAN I #2	0	1.13E+06	5.52E+06	0.00E-01	0.999	1.000
4,4-DDE #2	0	-1.25E+07	4.81E+06	0.00E-01	0.998	0.999
DIELDRIN #2	0	-6.45E+06	5.74E+06	0.00E-01	0.999	1.000
ENDRIN #2	0	-4.73E+06	5.28E+06	0.00E-01	0.999	1.000
4,4-DDD #2	0	-6.77E+06	4.31E+06	0.00E-01	0.999	0.999
ENDOSULFAN II #2	0	-2.25E+06	4.92E+06	0.00E-01	0.999	1.000
4,4-DDT #2	0	-3.20E+06	4.96E+06	0.00E-01	0.999	0.999
ENDRIN ALDEHYDE #2	0	1.14E+06	3.68E+06	0.00E-01	1.000	1.000
ENODOSULFAN SULFATE #2	0	-2.65E+06	4.37E+06	0.00E-01	0.999	1.000
METHOXYCHLOR #2	0	8.47E+05	2.51E+06	0.00E-01	1.000	1.000
ENDRIN KETONE #2	0	-1.96E+06	5.30E+06	0.00E-01	1.000	1.000
DCB #2	0	-2.36E+04	3.83E+06	0.00E-01	1.000	1.000

Linear Regression= 0
Avg RF= 1
Quadratic= 3

J8510

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18698SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:04 pm
Operator : AR
Sample : P5321 PEST 2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:30 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	2.035	1.708	9095791	11716708	2.020	2.135	
	Spiked Amount	100.000	Range 46 - 122		Recovery =	2.02%#	2.13%#	
23)	S DCB	6.263	5.556	6562251	10962670	2.080	2.433	
	Spiked Amount	100.000	Range 40 - 135		Recovery =	2.08%#	2.43%#	
	Target Compounds							
2)	TM HEXACHLOR...	2.364	1.916	10621753	15092762	1.687	1.949	
3)	TM A-BHC	2.454	2.008	11942152	15180383	1.861	1.891	
4)	TM G-BHC	2.722	2.198	11158711	14225722	1.902	1.936	
5)	TM B-BHC	2.782	2.251	5548137	7023130	2.078	2.207	
6)	TM D-BHC	3.016	2.368	10709856	13629381	1.876	1.859	
7)	TM HEPTACHLOR	3.071	2.507	10696136	14888975	1.916	2.101	
8)	TM ALDRIN	3.334	2.712	10182973	14097239	1.858	2.056	
9)	TM HEPTACHLO...	3.796	3.143	9971473	13503880	1.903	2.122	
10)	TM G-CHLORDANE	3.966	3.237	20151884	13337064	6.045	2.080	#
11)	TM A-CHLORDANE	4.073	3.335	9655943	13303104	1.889	2.146	
12)	TM ENDOSULFAN I	4.125	3.436	9050860	15092129	1.935	2.399	
13)	TM 4,4-DDE	4.207	3.400	9273418	9451410	1.784	1.607	
14)	TM DIELDRIN	4.354	3.618	9961689	13450070	1.912	2.038	
15)	TM ENDRIN	4.612	3.796	9010110	12614922	1.997	2.139	
16)	TM 4,4-DDD	4.703	3.872	7969971	10277852	1.877	1.945	
17)	TM ENDOSULFA...	4.792	3.973	9206005	12956610	2.030	2.233	
18)	TM 4,4-DDT	4.954	4.087	8367742	13858769	1.933	2.459	#
19)	TM ENDRIN AL...	5.051	4.306	7235521	10951482	2.154	2.476	
20)	TM ENODOSULF...	5.245	4.658	8127252	11042035	2.222	2.288	
21)	TM METHOXYCHLOR	5.426	4.500	4556564	6462745	2.333	2.305	
22)	TM ENDRIN KE...	5.590	4.877	9213354	13766563	2.219	2.322	

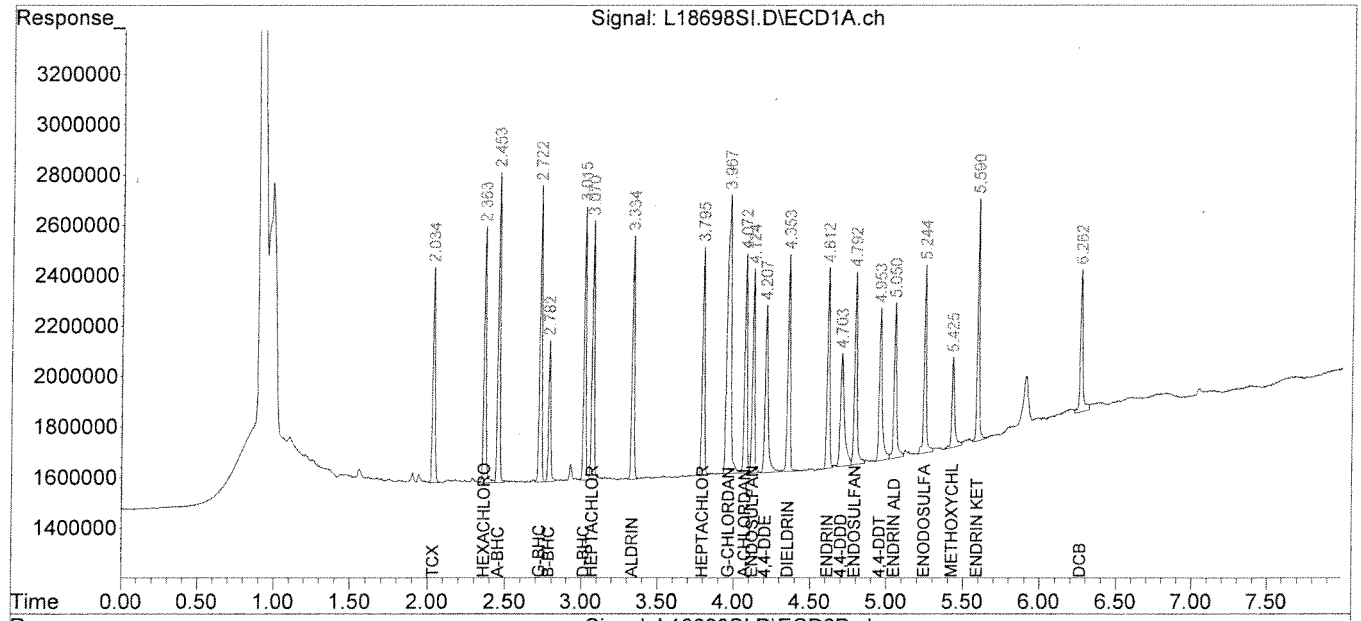
(a)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

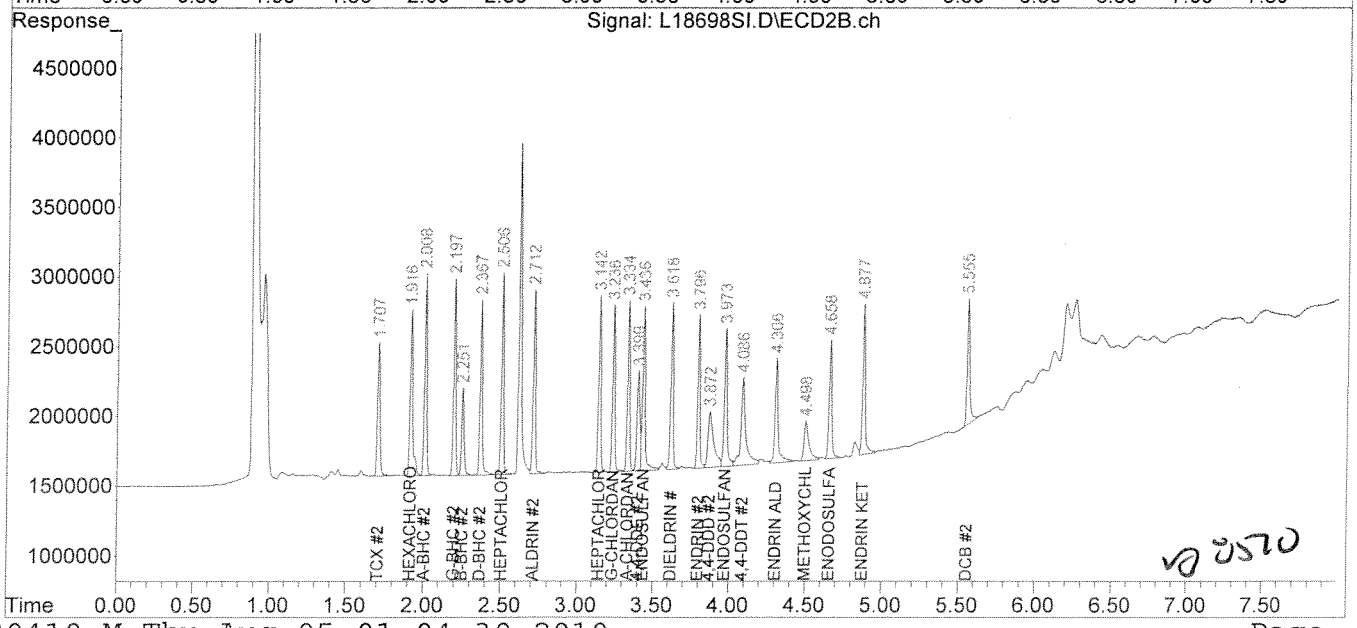
Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18698SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:04 pm
Operator : AR
Sample : P5321 PEST 2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

8/5/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:30 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18698SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:04 pm
Operator : AR
Sample : P5321 PEST 2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 08:46:17 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 05 03:08:47 2010
Response via : Initial Calibration
Integrator: ChemStation

J0570 Reprocessed into Core

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	2.035	1.708	9095791	11716708	2.744	3.478 #
Spiked Amount 100.000 Range 46 - 122 Recovery = 2.74%# 3.48%#						
23) S DCB	6.263	5.556	6562251	10962670	1.822	2.870 #
Spiked Amount 100.000 Range 40 - 135 Recovery = 1.82%# 2.87%#						
Target Compounds						
2) TM HEXACHLOR...	2.364	1.916	10621753	15092762	3.083 ✓	2.996 ✓
3) TM A-BHC	2.454	2.008	11942152	15180383	3.954 ✗	3.758 ✗
4) TM G-BHC	2.722	2.198	11158711	14225722	3.789 ✗	3.663 ✗
5) TM B-BHC	2.782	2.251	5548137	7023130	2.537 ✓	3.058 ✓
6) TM D-BHC	3.016	2.368	10709856	13629381	3.933 ✗	3.789 ✗
7) TM HEPTACHLOR	3.071	2.507	10696136	14888975	3.154 ✓	3.325 ✗
8) TM ALDRIN	3.334	2.712	10182973	14097239	3.133 ✓	3.344 ✗
9) TM HEPTACHLO...	3.796	3.143	9971473	13503880	2.854 ✓	3.192 ✓
10) TM G-CHLORDANE	3.959	3.237	8201464	13337064	N.D. m ✗	3.538 ✗
11) TM A-CHLORDANE	4.073	3.335	9655943	13303104	2.833 ✓	3.381 ✗
12) TM ENDOSULFAN I	4.125	3.436	9050860	15092129	2.605 ✓	2.532 ✓
13) TM 4,4-DDE	4.207	3.400	9273418	9451410	2.999 ✓	4.565 ✗#
14) TM DIELDRIN	4.354	3.618	9961689	13450070	3.044 ✓	3.466 ✗
15) TM ENDRIN	4.612	3.796	9010110	12614922	2.899 ✓	3.285 ✗
16) TM 4,4-DDD	4.703	3.872	7969971	8327057	2.758 ✓	3.502m# ✗
17) TM ENDOSULFA...	4.792	3.973	9206005	12956610	2.443 ✓	3.090 # ✓
18) TM 4,4-DDT	4.954	4.087	8367742	13858769	2.628 ✓	3.437 ✗#
19) TM ENDRIN AL...	5.051	4.306	7235521	10951482	1.973 ✓	2.667 ✓#
20) TM ENODOSULF...	5.245	4.658	8127252	11042035	1.434 ✗	3.132 ✓#
21) TM METHOXYCHLOR	5.426	4.500	4556564	6462745	0.324 ✗	2.234 ✓#
22) TM ENDRIN KE...	5.590	4.877	9213354	13766563	2.938 ✓	2.969 ✓

()=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

CL 1.75-3.25

See ~~0.5~~ 5.0 J0570

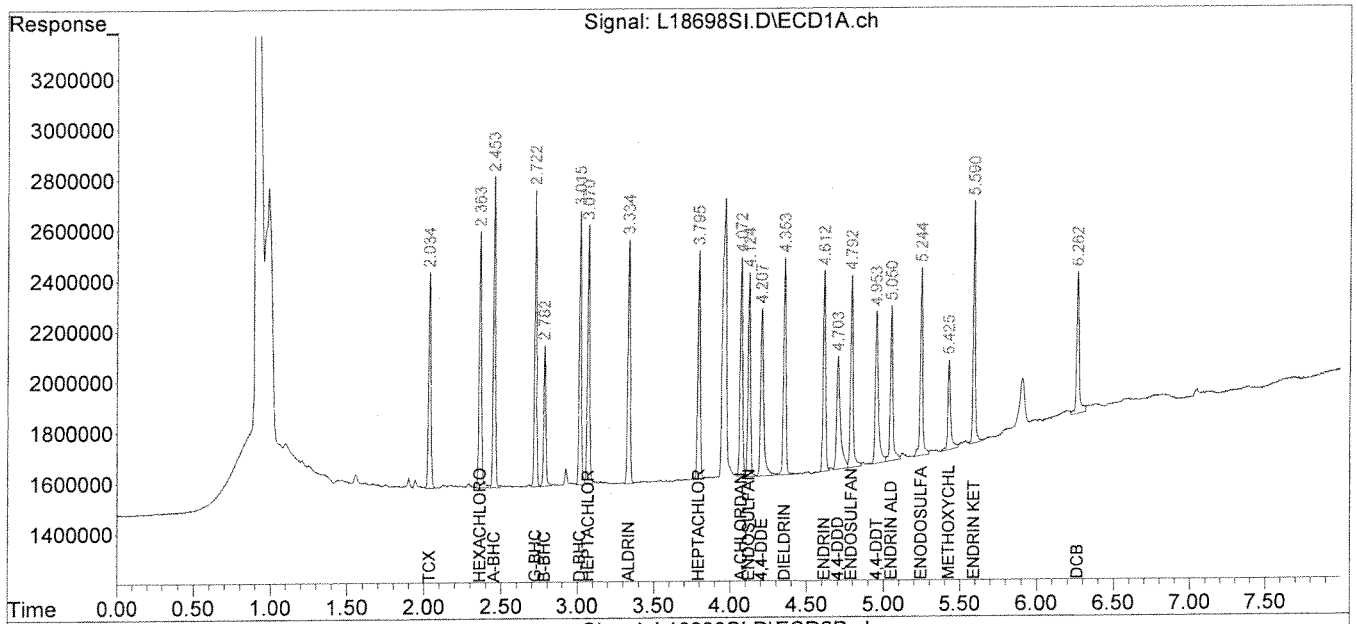
PT080410.M Thu Aug 05 08:46:36 2010 Page: 1

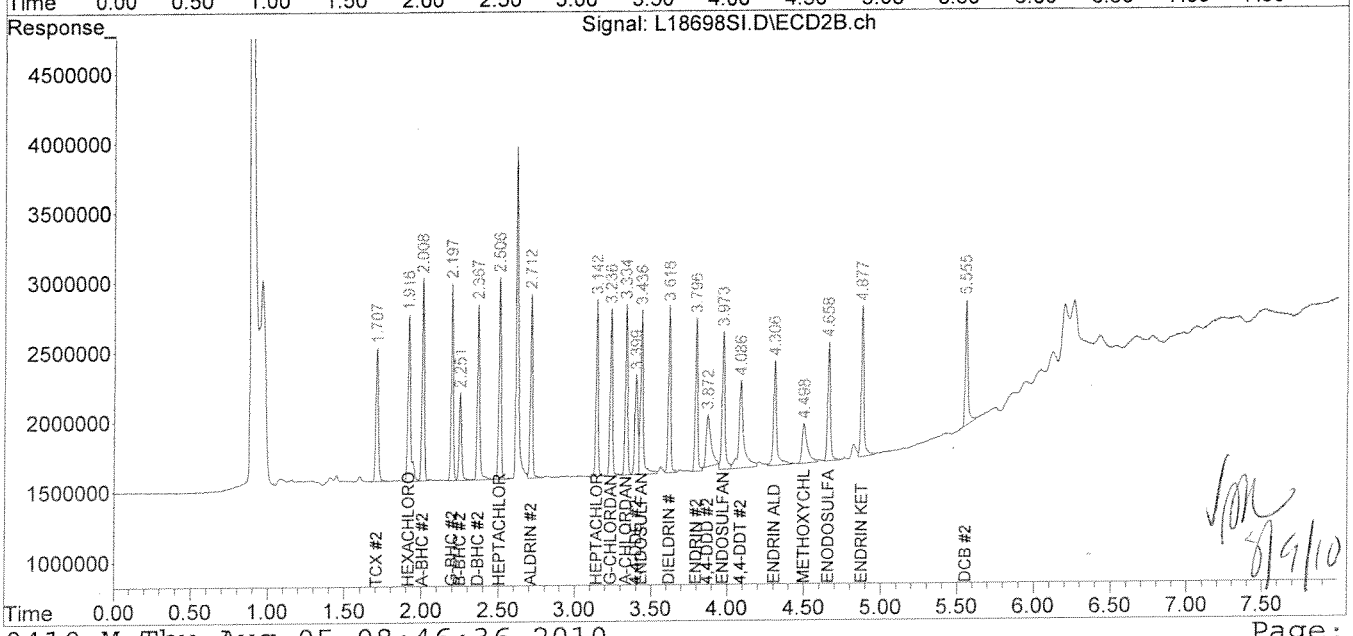
Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18698SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:04 pm
Operator : AR
Sample : P5321 PEST 2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 08:46:17 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 05 03:08:47 2010
Response via : Initial Calibration
Integrator: ChemStation

J 81110

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um



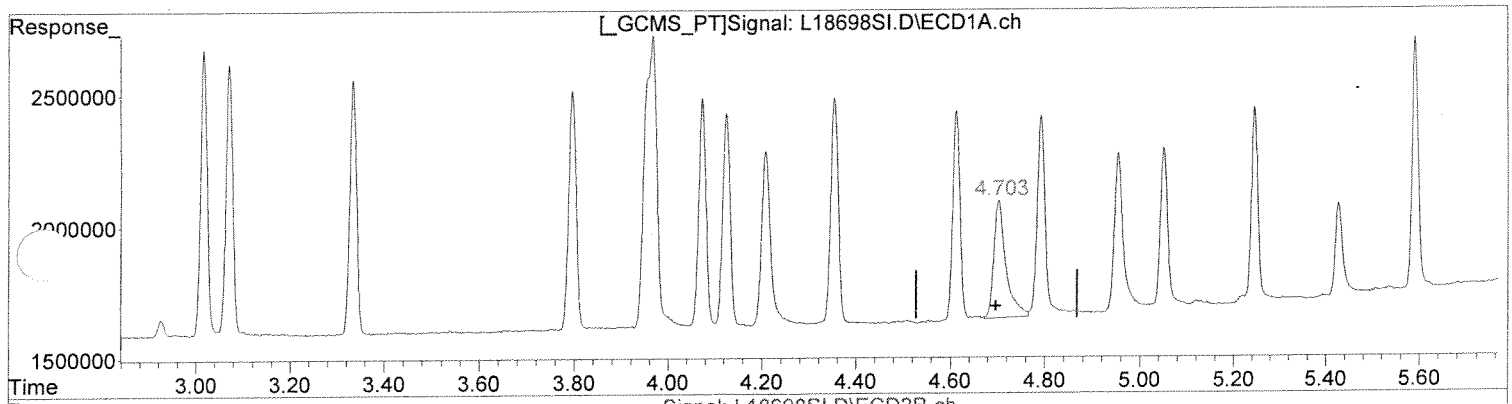


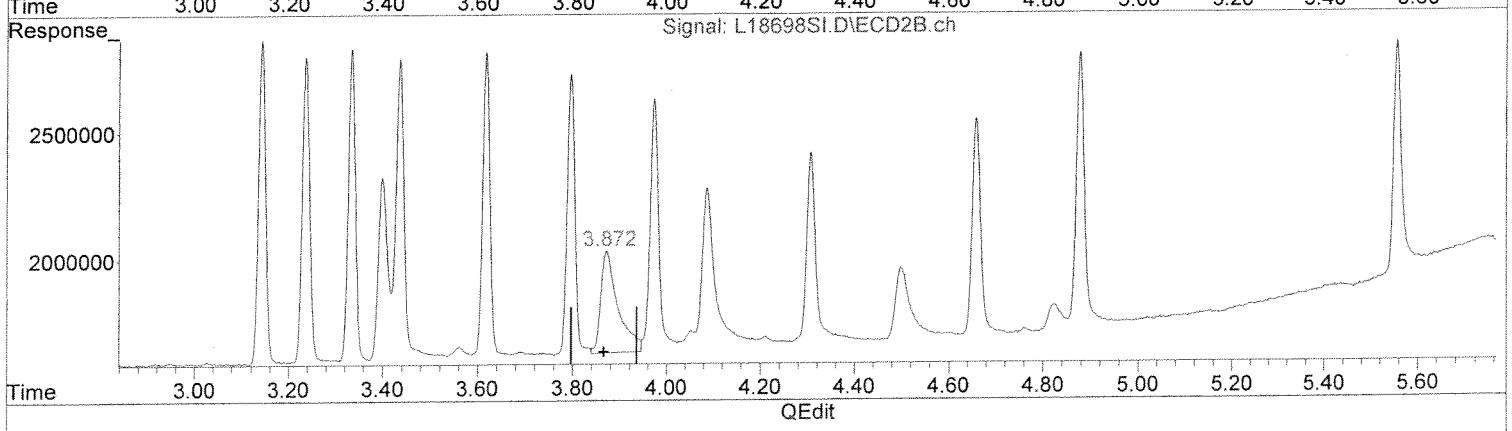
8/9/10

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18698SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
`cq On : 4 Aug 10 10:04 pm
,perator : AR
Sample : P5321 PEST 2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 08:45:19 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 05 03:08:47 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





(16) 4,4-DDD (TM)
4.703min 2.758 ug/L
response 7969971

(16) 4,4-DDD #2 (TM)
3.872min 3.955 ug/L
response 10277852

8/9/10

(+) = Expected Retention Time
PT080410.M Thu Aug 05 08:46:09 2010

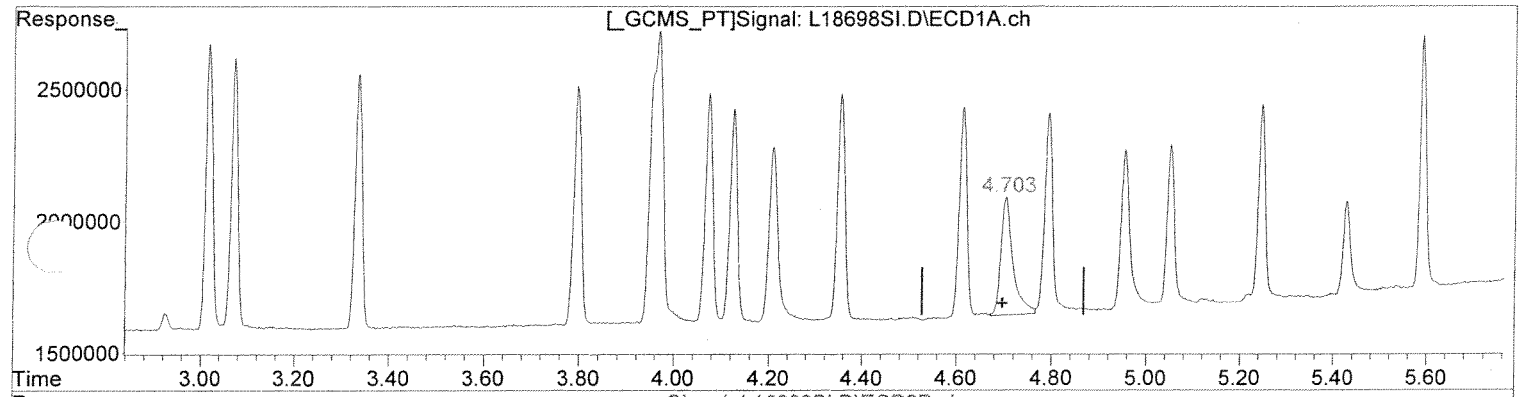
Page: 1

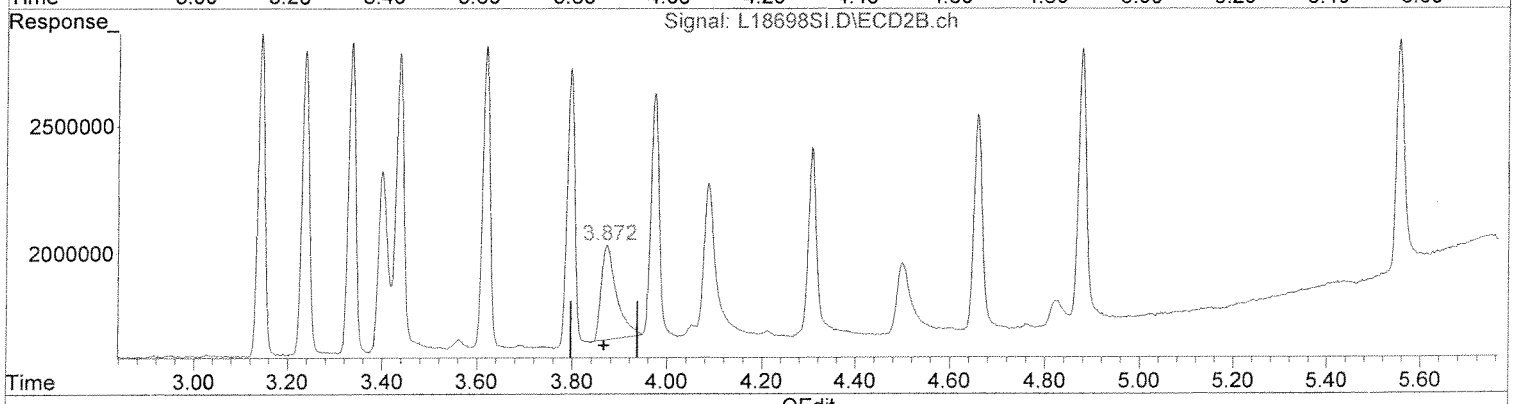
Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18698SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:04 pm
Operator : AR
Sample : P5321 PEST 2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 08:45:19 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 05 03:08:47 2010
Response via : Initial Calibration
Integrator: ChemStation

D81110

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





QEdit

(16) 4,4-DDD (TM)
4.703min 2.758 ug/L
response 7969971

(16) 4,4-DDD #2 (TM)
3.872min 3.502 ug/L m
response 8327057

JON 8/9/10

(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18699SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:15 pm
Operator : AR
Sample : P5322 PEST 5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:33 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	2.034	1.708	18791839	24818914	4.173	4.523	
	Spiked Amount	100.000	Range	46 - 122	Recovery =	4.17%#	4.52%#	
23)	S DCB	6.262	5.556	13319641	21159204	4.221	4.696	
	Spiked Amount	100.000	Range	40 - 135	Recovery =	4.22%#	4.70%#	
	Target Compounds							
2)	TM HEXACHLOR...	2.363	1.916	21655048	30184235	3.440	3.897	
3)	TM A-BHC	2.453	2.008	25191659	34028034	3.925	4.239	
4)	TM G-BHC	2.721	2.198	23359676	31456577	3.981	4.280	
5)	TM B-BHC	2.781	2.251	11384099	14870126	4.263	4.673	
6)	TM D-BHC	3.015	2.367	22528697	30399903	3.947	4.147	
7)	TM HEPTACHLOR	3.070	2.506	22453156	32662085	4.021	4.609	
8)	TM ALDRIN	3.333	2.712	20989945	30075232	3.830	4.386	
9)	TM HEPTACHLO...	3.795	3.143	20379056	29228015	3.889	4.593	
10)	TM G-CHLORDANE	3.953	3.236	27559978	28826154	7.387	4.495	#
11)	TM A-CHLORDANE	4.072	3.334	19683031	28824326	3.852	4.649	
12)	TM ENDOSULFAN I	4.123	3.435	18573243	32740773	3.971	5.205	#
13)	TM 4,4-DDE	4.206	3.399	19318074	20678643	3.716	3.516	
14)	TM DIELDRIN	4.352	3.618	20526591	29065810	3.939	4.404	
15)	TM ENDRIN	4.611	3.796	18662091	27479836	4.137	4.660	
16)	TM 4,4-DDD	4.701	3.871	16548984	21519238	3.898	4.073	
17)	TM ENDOSULFA...	4.790	3.973	18643210	27558937	4.111	4.750	
18)	TM 4,4-DDT	4.952	4.086	17770058	28343356	4.105	5.029	
19)	TM ENDRIN AL...	5.049	4.306	14108667	22147584	4.199	5.008	
20)	TM ENODOSULF...	5.243	4.658	16151185	23704794	4.415	4.912	
21)	TM METHOXYCHLOR	5.426	4.499	9159522	15255793	4.690	5.442	
22)	TM ENDRIN KE...	5.589	4.877	18996402	29198589	4.576	4.924	

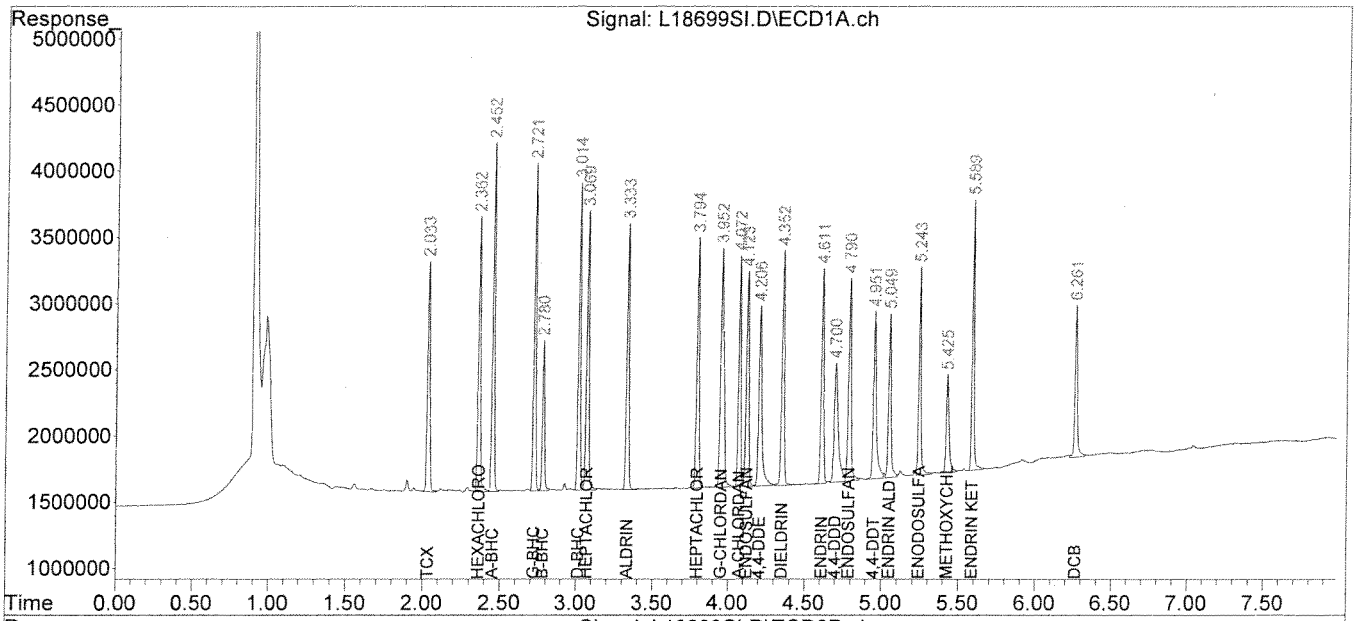
()=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

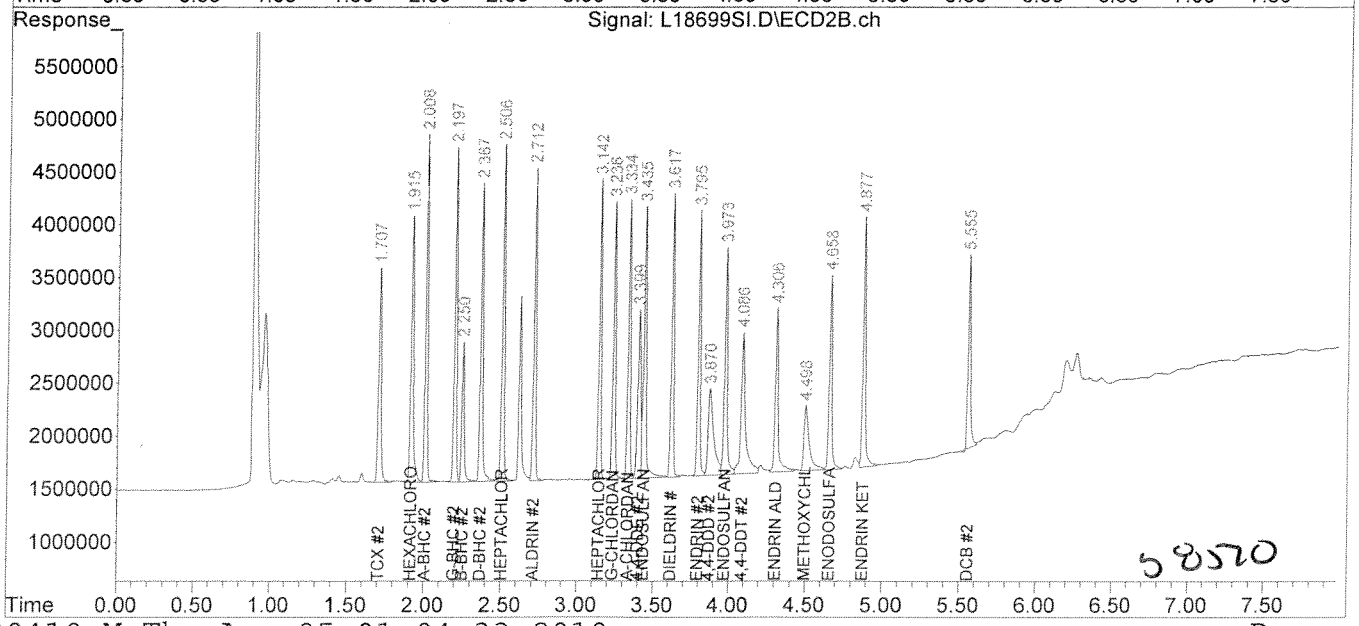
Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18699SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:15 pm
Operator : AR
Sample : P5322 PEST 5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:33 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

PN 8/5/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





58570

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18699SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:15 pm
Operator : AR
Sample : P5322 PEST 5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 08:46:49 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 05 03:08:47 2010
Response via : Initial Calibration
Integrator: ChemStation

5/5/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	2.034	1.708	18791839	24818914	5.670	6.377
Spiked Amount 100.000	Range	46 - 122	Recovery =		5.67%#	6.38%#
23) S DCB	6.262	5.556	13319641	21159204	5.420	5.535
Spiked Amount 100.000	Range	40 - 135	Recovery =		5.42%#	5.54%#
Target Compounds						
2) TM HEXACHLOR...	2.363	1.916	21655048	30184235	6.187	6.026
3) TM A-BHC	2.453	2.008	25191659	34028034	6.638	6.431
4) TM G-BHC	2.721	2.198	23359676	31456577	6.539	6.388
5) TM B-BHC	2.781	2.251	11384099	14870126	5.767	6.138
6) TM D-BHC	3.015	2.367	22528697	30399903	6.630	6.455
7) TM HEPTACHLOR	3.070	2.506	22453156	32662085	6.259	6.184
8) TM ALDRIN	3.333	2.712	20989945	30075232	6.191	6.084
9) TM HEPTACHLO...	3.795	3.143	20379056	29228015	5.996	6.090
10) TM G-CHLORDANE	3.953	3.236	27559978	28826154	4.252	6.319 #
11) TM A-CHLORDANE	4.072	3.334	19683031	28824326	5.996	6.249
12) TM ENDOSULFAN I	4.123	3.435	18573243	32740773	5.828	5.732
13) TM 4,4-DDE	4.206	3.399	19318074	20678643	6.083	6.897
14) TM DIELDRIN	4.352	3.618	20526591	29065810	6.132	6.186
15) TM ENDRIN	4.611	3.796	18662091	27479836	5.974	6.100
16) TM 4,4-DDD	4.701	3.871	16548984	21519238	5.897	6.562
17) TM ENDOSULFA...	4.790	3.973	18643210	27558937	5.575	6.058
18) TM 4,4-DDT	4.952	4.086	17770058	28343356	5.922	6.355
19) TM ENDRIN AL...	5.049	4.306	14108667	22147584	5.122	5.710
20) TM ENODOSULF...	5.243	4.658	16151185	23704794	4.498	6.029 #
21) TM METHOXYCHLOR	5.426	4.499	9159522	15255793	3.605	5.731 #
22) TM ENDRIN KE...	5.589	4.877	18996402	29198589	6.053	5.883

(I)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

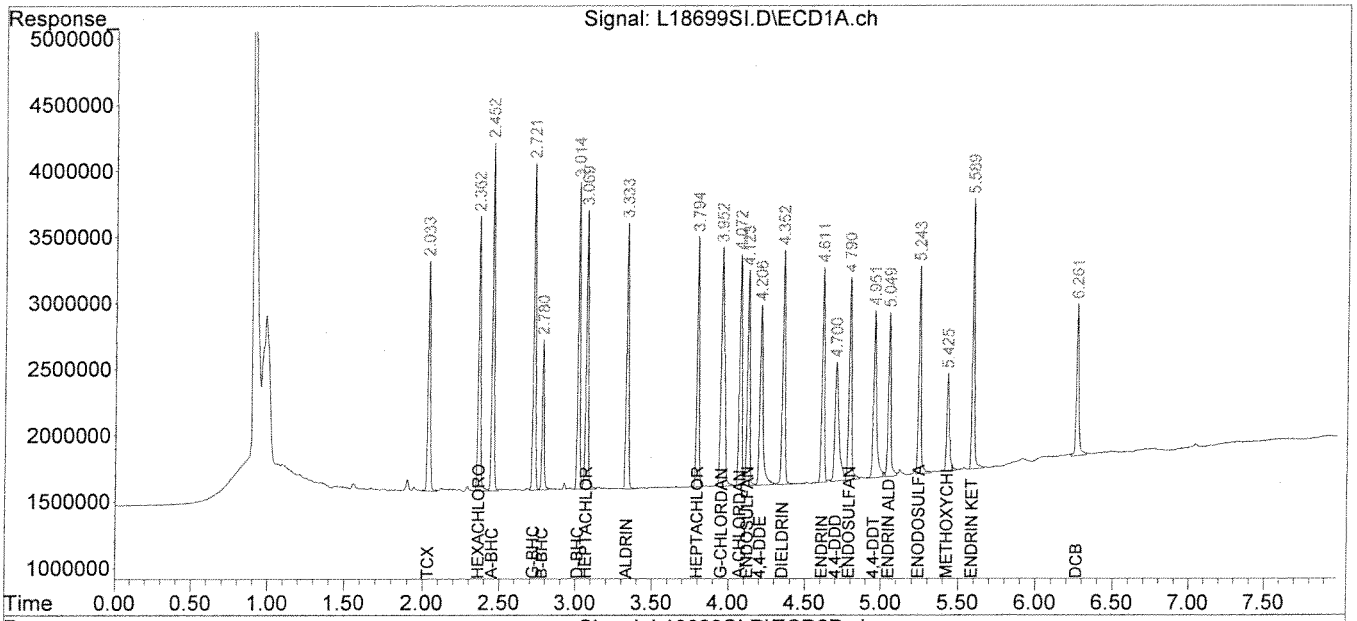
3.5-6.5

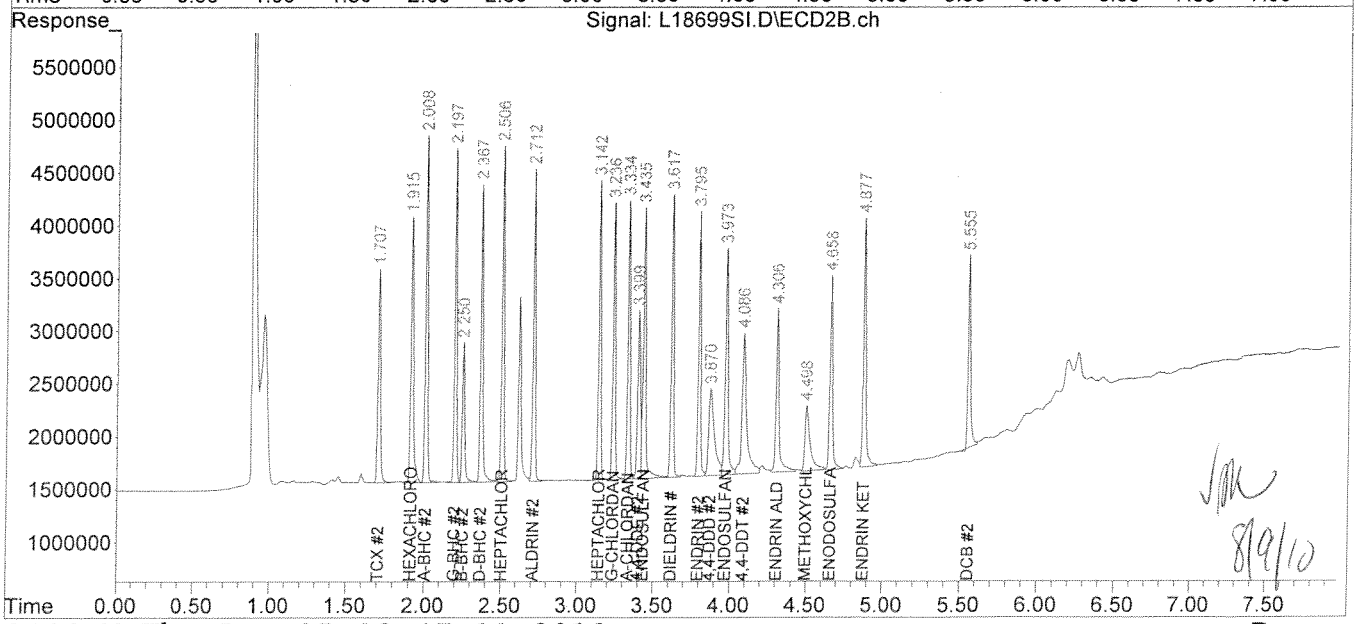
8/9/10

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18699SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:15 pm
Operator : AR
Sample : P5322 PEST 5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 08:46:49 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 05 03:08:47 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





8/9/10

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18700SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:25 pm
Operator : AR
Sample : P5323 PEST 10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:36 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

8/5/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1)	S TCX	2.034	1.708	31887639	43115211	7.080	7.858
	Spiked Amount	100.000 Range	46 - 122	Recovery	=	7.08%#	7.86%#
23)	S DCB	6.261	5.555	21633343	37888550	6.856	8.408
	Spiked Amount	100.000 Range	40 - 135	Recovery	=	6.86%#	8.41%#
	Target Compounds						
2)	TM HEXACHLOR...	2.362	1.916	36179143	50068118	5.747	6.465
3)	TM A-BHC	2.452	2.008	43770512	60430613	6.820	7.528
4)	TM G-BHC	2.721	2.197	40406939	55630169	6.887	7.569
5)	TM B-BHC	2.780	2.251	19414031	25173466	7.271	7.910
6)	TM D-BHC	3.014	2.367	38947284	54197043	6.823	7.393
7)	TM HEPTACHLOR	3.069	2.506	37880836	56982183	6.784	8.041
8)	TM ALDRIN	3.332	2.712	35388763	52365109	6.458	7.637
9)	TM HEPTACHLO...	3.793	3.142	34407502	50725540	6.565	7.972
10)	TM G-CHLORDANE	3.952	3.236	35988759	50267590	8.914	7.838
11)	TM A-CHLORDANE	4.071	3.334	33107942	49911733	6.479	8.050
12)	TM ENDOSULFAN I	4.122	3.435	31267905	56359925	6.685	8.959 #
13)	TM 4,4-DDE	4.205	3.399	32934415	36623952	6.335	6.227
14)	TM DIELDRIN	4.352	3.617	34513758	51063198	6.624	7.736
15)	TM ENDRIN	4.610	3.795	32013598	47954786	7.096	8.132
16)	TM 4,4-DDD	4.700	3.870	28392460	37049256	6.688	7.013
17)	TM ENDOSULFA...	4.790	3.972	33321219	47111912	7.348	8.120
18)	TM 4,4-DDT	4.951	4.086	32499194	48466095	7.508	8.600
19)	TM ENDRIN AL...	5.048	4.305	25441451	37935657	7.573	8.578
20)	TM ENODOSULF...	5.243	4.657	29935381	41238418	8.184	8.546
21)	TM METHOXYCHLOR	5.425	4.498	17776306	26119258	9.103	9.317
22)	TM ENDRIN KE...	5.588	4.876	32003707	50388063	7.709	8.498

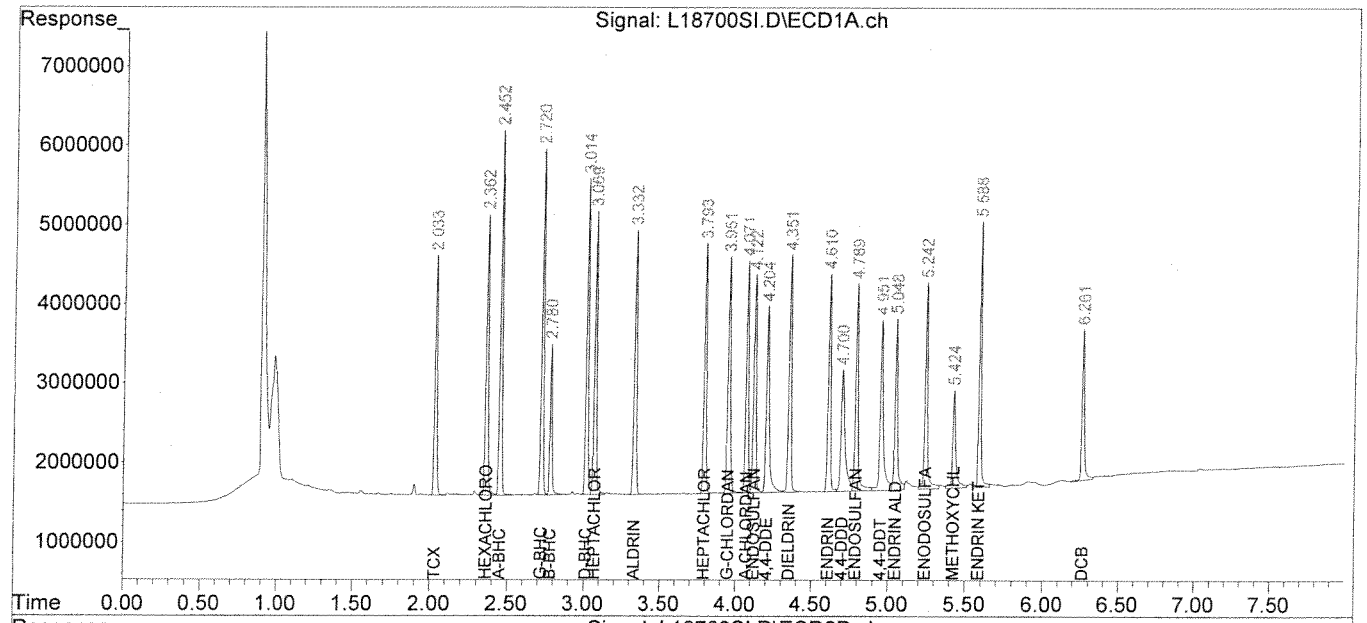
()=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

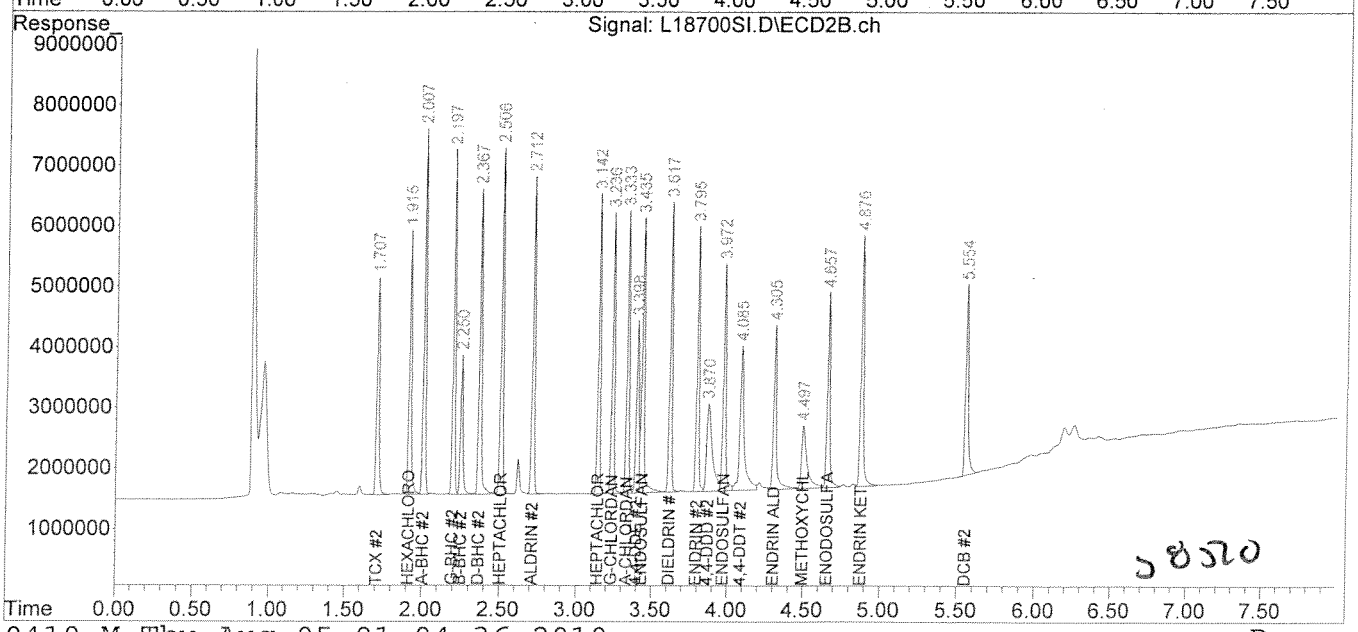
J8520

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18700SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:25 pm
Operator : AR
Sample : P5323 PEST 10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:36 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





58520

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18701SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:35 pm
Operator : AR
Sample : P5324 PEST 20
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:39 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	2.034	1.708	67038618	91738371	14.885	16.719	
	Spiked Amount	100.000	Range	46 - 122	Recovery	= 14.89%#	16.72%#	
23)	S DCB	6.261	5.554	44282344	81642046	14.034	18.118	#
	Spiked Amount	100.000	Range	40 - 135	Recovery	= 14.03%#	18.12%#	
	Target Compounds							
2)	TM HEXACHLOR...	2.362	1.916	75280229	106.1E6	11.959	13.695	
3)	TM A-BHC	2.452	2.008	94858555	136.1E6	14.780	16.954	
4)	TM G-BHC	2.721	2.197	86945881	123.8E6	14.818	16.845	
5)	TM B-BHC	2.780	2.251	39879072	53603202	14.935	16.844	
6)	TM D-BHC	3.014	2.367	84481330	120.6E6	14.801	16.448	
7)	TM HEPTACHLOR	3.069	2.506	79331376	125.4E6	14.208	17.693	
8)	TM ALDRIN	3.332	2.712	74145118	117.3E6	13.531	17.104	#
9)	TM HEPTACHLO...	3.794	3.142	71364175	111.5E6	13.617	17.519	#
10)	TM G-CHLORDANE	3.952	3.236	84788310	110.9E6	17.755	17.299	
11)	TM A-CHLORDANE	4.071	3.334	68596481	109.7E6	13.423	17.695	#
12)	TM ENDOSULFAN I	4.122	3.435	64916066	121.7E6	13.880	19.347	#
13)	TM 4,4-DDE	4.205	3.399	69092973	84447391	13.290	14.358	
14)	TM DIELDRIN	4.351	3.617	72594950	114.5E6	13.932	17.351	
15)	TM ENDRIN	4.610	3.795	67082645	106.8E6	14.870	18.107	
16)	TM 4,4-DDD	4.700	3.869	59127957	82243878	13.928	15.567	
17)	TM ENDOSULFA...	4.789	3.972	66988599	102.8E6	14.773	17.720	
18)	TM 4,4-DDT	4.951	4.085	63166814	101.9E6	14.593	18.083	
19)	TM ENDRIN AL...	5.048	4.305	49542168	79158261	14.746	17.899	
20)	TM ENODOSULF...	5.243	4.657	57952423	89802424	15.843	18.610	
21)	TM METHOXYCHLOR	5.424	4.497	34055515	55615178	17.439	19.838	
22)	TM ENDRIN KE...	5.588	4.876	67381769	110.4E6	16.231	18.614	

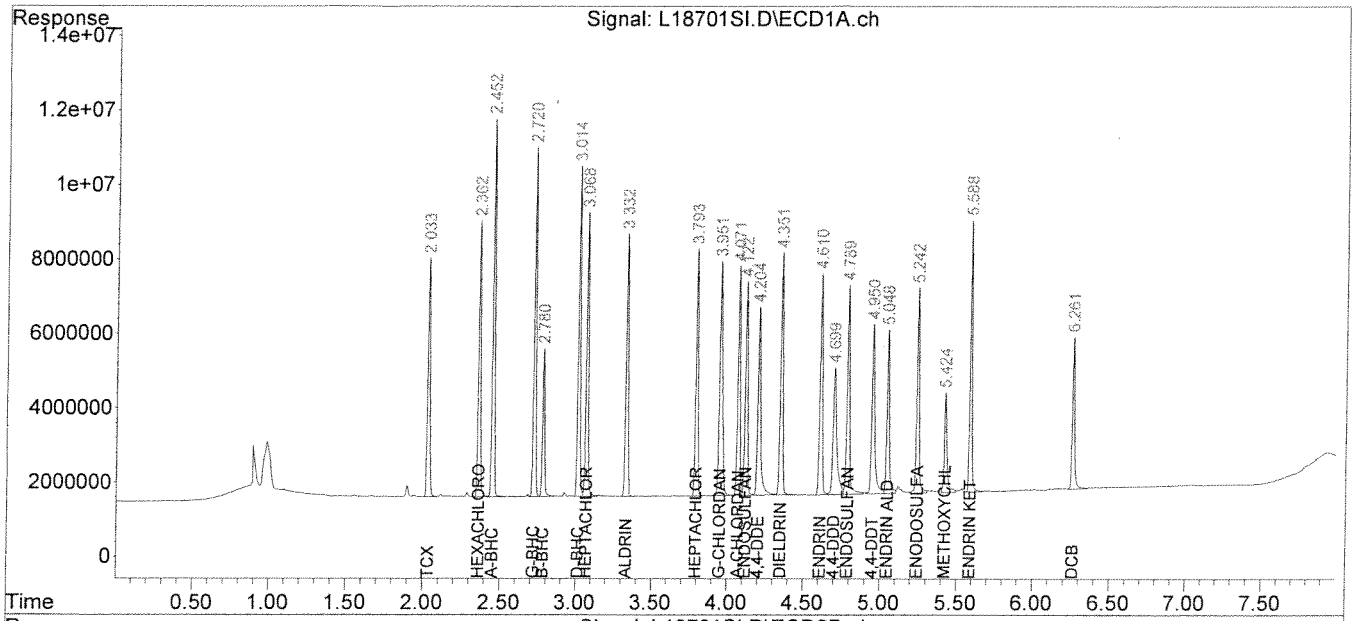
)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

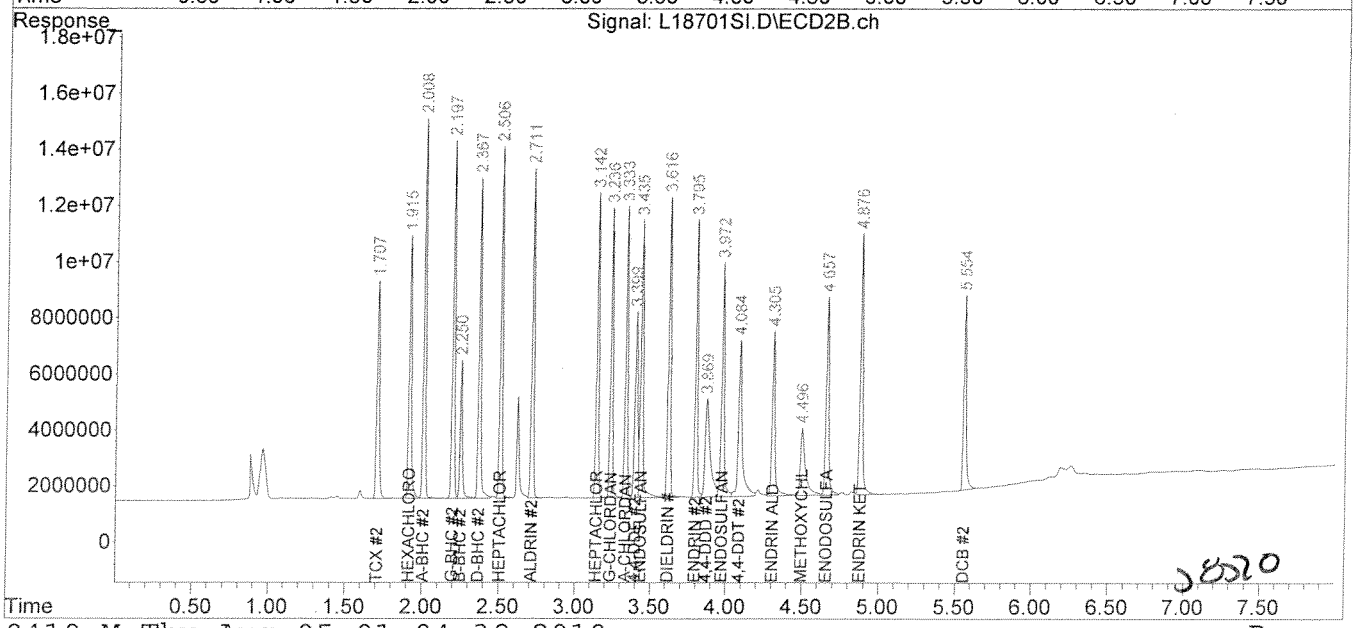
Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18701SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:35 pm
Operator : AR
Sample : P5324 PEST 20
Misc :
ALS Vial : 5 Sample Multiplier: 1

PM 8/5/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:39 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





J8520

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18702SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:46 pm
Operator : AR
Sample : P5429 PEST 30
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:42 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

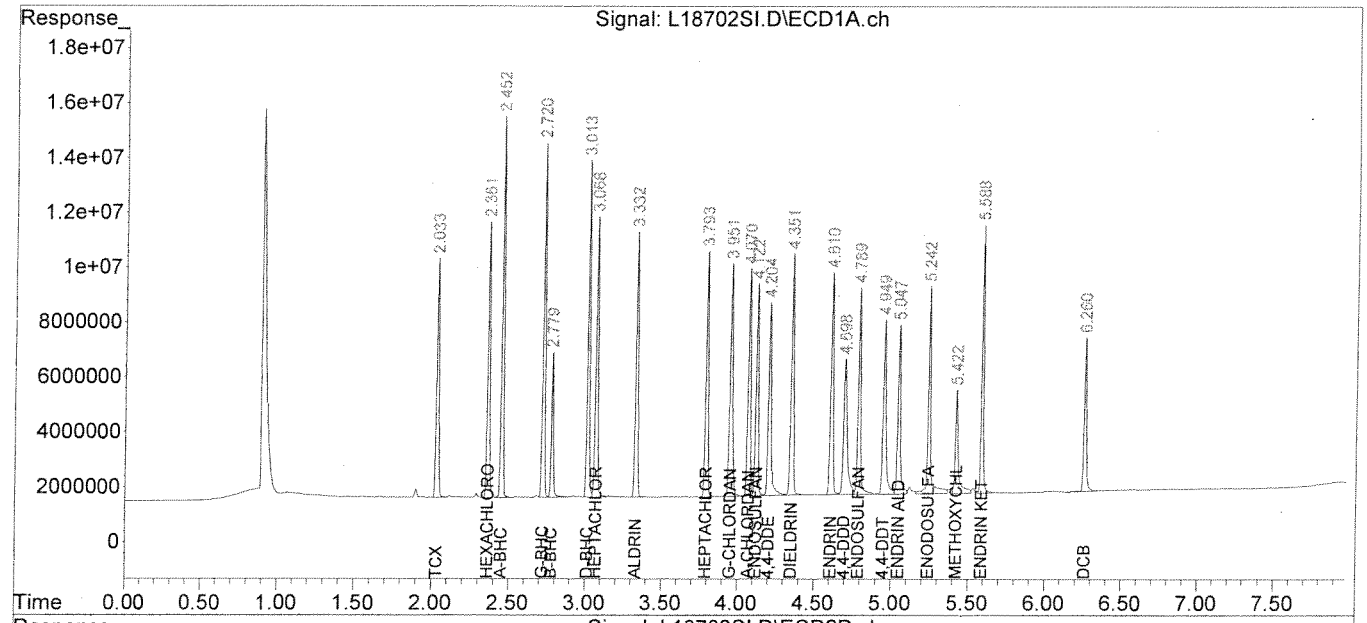
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	2.033	1.708	90976675	121.3E6	20.200	22.112	
	Spiked Amount	100.000	Range	46 - 122	Recovery	=	20.20%#	22.11%#
23)	S DCB	6.260	5.553	60094772	112.4E6	19.045	24.938	#
	Spiked Amount	100.000	Range	40 - 135	Recovery	=	19.05%#	24.94%#
	Target Compounds							
2)	TM HEXACHLOR...	2.362	1.916	100.9E6	140.9E6	16.032	18.191	
3)	TM A-BHC	2.452	2.008	130.4E6	186.9E6	20.313	23.284	
4)	TM G-BHC	2.720	2.197	118.7E6	169.1E6	20.235	23.011	
5)	TM B-BHC	2.780	2.251	53426185	72041857	20.008	22.638	
6)	TM D-BHC	3.014	2.367	116.2E6	167.0E6	20.357	22.782	
7)	TM HEPTACHLOR	3.069	2.506	106.3E6	170.2E6	19.038	24.023	#
8)	TM ALDRIN	3.332	2.712	99659005	159.9E6	18.186	23.326	#
9)	TM HEPTACHLO...	3.793	3.142	95509108	150.4E6	18.225	23.636	#
10)	TM G-CHLORDANE	3.951	3.236	103.0E6	150.9E6	21.058	23.533	
11)	TM A-CHLORDANE	4.071	3.334	91670656	148.4E6	17.938	23.928	#
12)	TM ENDOSULFAN I	4.122	3.435	86581279	160.7E6	18.512	25.546	#
13)	TM 4,4-DDE	4.205	3.399	93008559	120.1E6	17.890	20.419	
14)	TM DIELDRIN	4.351	3.617	97293047	156.0E6	18.672	23.638	#
15)	TM ENDRIN	4.610	3.795	89379581	145.4E6	19.813	24.648	
16)	TM 4,4-DDD	4.698	3.867	78492332	114.5E6	18.489	21.676	
17)	TM ENDOSULFA...	4.789	3.972	88631352	138.4E6	19.546	23.849	
18)	TM 4,4-DDT	4.950	4.084	81724688	137.0E6	18.880	24.309	#
19)	TM ENDRIN AL...	5.048	4.305	68061635	108.1E6	20.258	24.437	
20)	TM ENODOSULF...	5.242	4.657	91629582	122.7E6	25.050	25.432	
21)	TM METHOXYCHLOR	5.423	4.492	51848698	73824178	26.551	26.333	
22)	TM ENDRIN KE...	5.588	4.875	89562608	150.2E6	21.574	25.330	

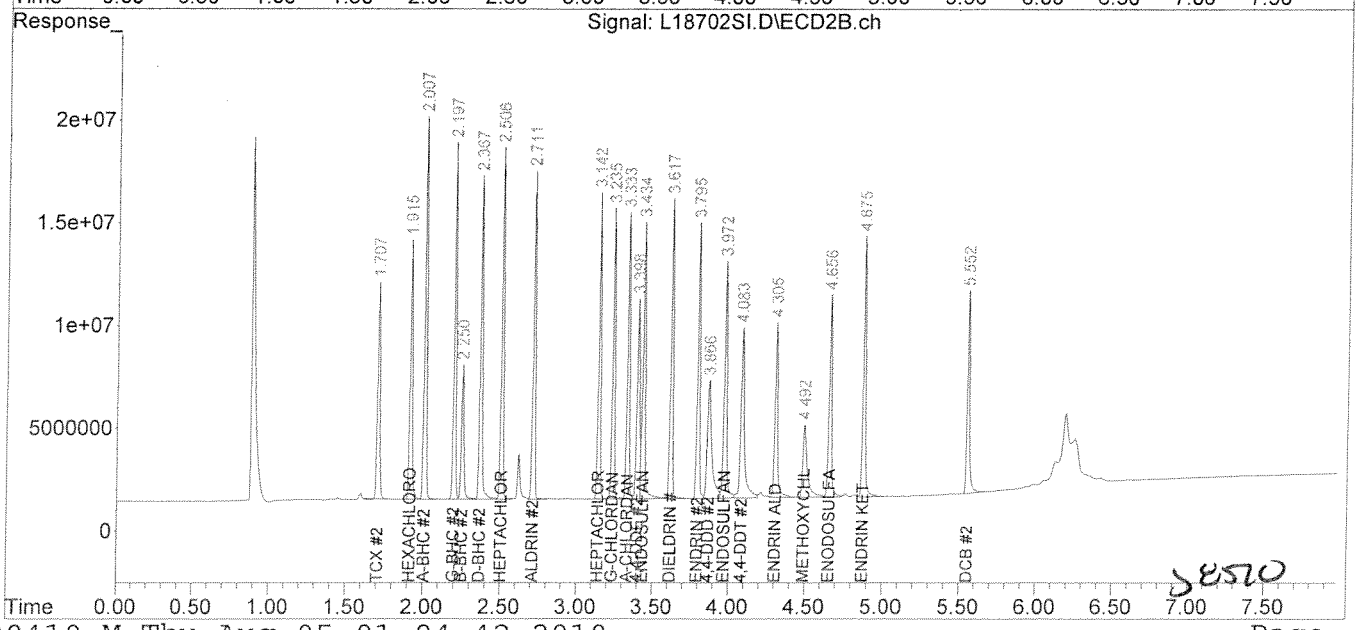
(*)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18702SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:46 pm
Operator : AR
Sample : P5429 PEST 30
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:42 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18703SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:56 pm
Operator : AR
Sample : P5430 PEST 50
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:45 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	2.034	1.707	153.5E6	210.8E6	34.079	38.419	
	Spiked Amount 100.000	Range	46 - 122	Recovery	=	34.08%#	38.42%#	
23)	S DCB	6.259	5.553	95530467	185.1E6	30.275	41.081	#
	Spiked Amount 100.000	Range	40 - 135	Recovery	=	30.27%#	41.08%	
	Target Compounds							
2)	TM HEXACHLOR...	2.362	1.915	169.4E6	243.2E6	26.911	31.402	
3)	TM A-BHC	2.452	2.008	224.7E6	322.6E6	35.006	40.186	
4)	TM G-BHC	2.720	2.197	203.5E6	290.7E6	34.685	39.558	
5)	TM B-BHC	2.780	2.251	87972162	120.9E6	32.946	37.992	
6)	TM D-BHC	3.014	2.367	199.7E6	286.9E6	34.994	39.137	
7)	TM HEPTACHLOR	3.069	2.506	178.5E6	290.9E6	31.965	41.053	#
8)	TM ALDRIN	3.332	2.712	167.7E6	275.8E6	30.601	40.232	#
9)	TM HEPTACHLO...	3.793	3.142	159.4E6	255.9E6	30.414	40.224	#
10)	TM G-CHLORDANE	3.952	3.236	212.0E6	258.3E6	40.802	40.279	
11)	TM A-CHLORDANE	4.071	3.334	152.8E6	252.4E6	29.905	40.705	#
12)	TM ENDOSULFAN I	4.122	3.435	143.8E6	263.5E6	30.753	41.885	#
13)	TM 4,4-DDE	4.204	3.399	155.0E6	217.9E6	29.807	37.048	
14)	TM DIELDRIN	4.351	3.618	162.8E6	267.5E6	31.239	40.531	#
15)	TM ENDRIN	4.610	3.795	151.2E6	248.8E6	33.512	42.183	#
16)	TM 4,4-DDD	4.697	3.865	132.9E6	199.6E6	31.312	37.787	
17)	TM ENDOSULFA...	4.789	3.972	147.2E6	232.5E6	32.458	40.073	
18)	TM 4,4-DDT	4.949	4.083	135.5E6	231.3E6	31.298	41.047	#
19)	TM ENDRIN AL...	5.048	4.305	110.4E6	180.6E6	32.850	40.846	
20)	TM ENODOSULF...	5.242	4.657	132.1E6	207.3E6	36.110	42.958	
21)	TM METHOXYCHLOR	5.422	4.490	72931507	122.5E6	37.347	43.685	
22)	TM ENDRIN KE...	5.588	4.876	152.5E6	254.7E6	36.734	42.952	

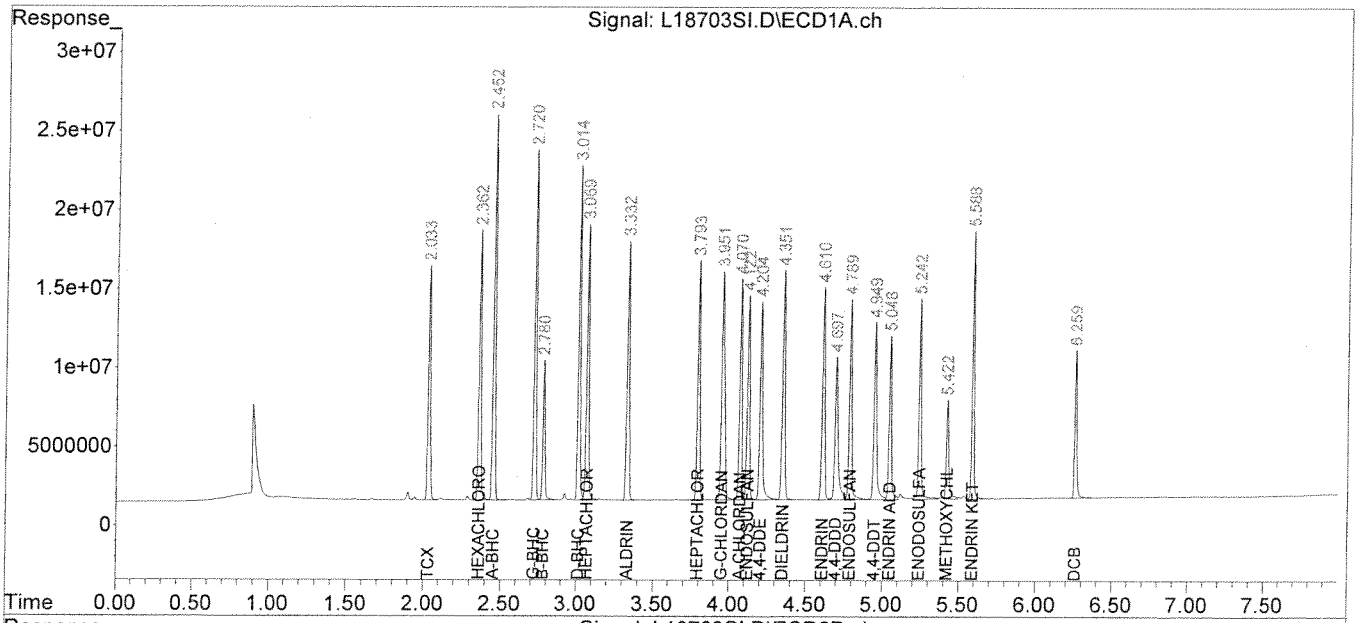
(*)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

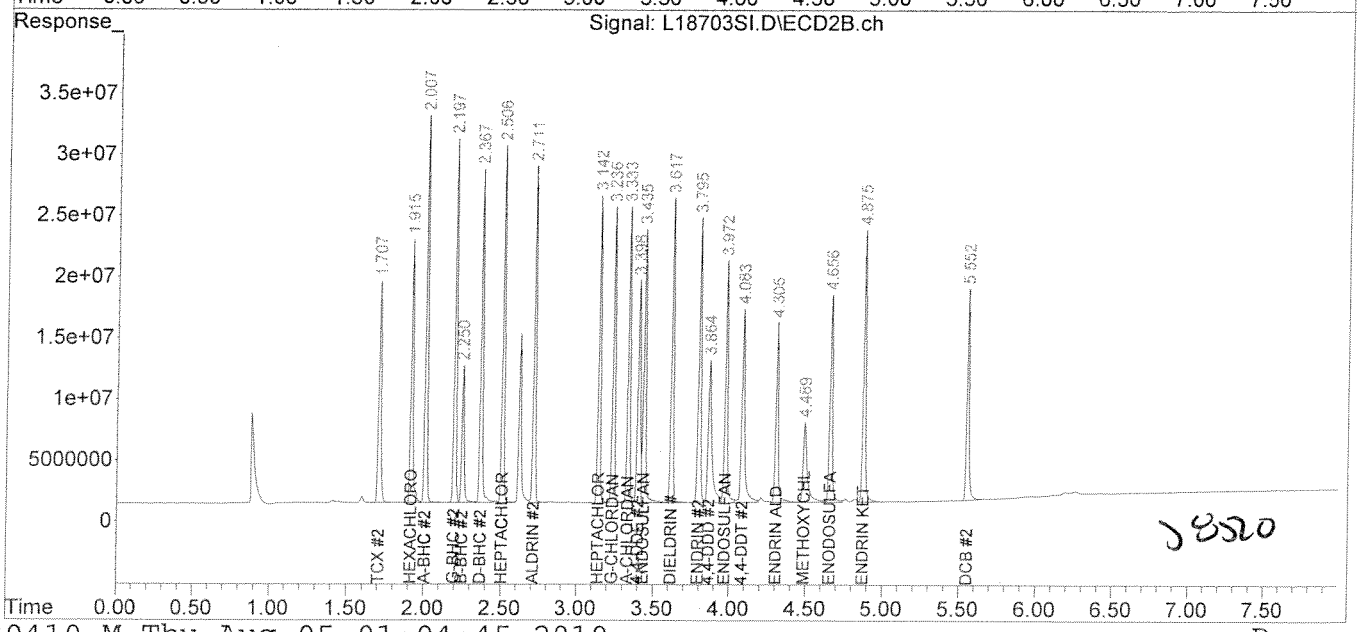
Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18703SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 10:56 pm
Operator : AR
Sample : P5430 PEST 50
Misc :
ALS Vial : 7 Sample Multiplier: 1

MV 8/5/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:45 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





J8520

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18704SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 11:06 pm
Operator : AR
Sample : P5325 PEST 100
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:48 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

8/5/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	2.033	1.707	320.1E6	444.7E6	71.066	81.053	
	Spiked Amount	100.000	Range	46 - 122	Recovery	=	71.07%	81.05%
23)	S DCB	6.260	5.553	185.4E6	378.5E6	58.772	84.007	#
	Spiked Amount	100.000	Range	40 - 135	Recovery	=	58.77%	84.01%
	Target Compounds							
2)	TM HEXACHLOR...	2.361	1.915	351.0E6	492.7E6	55.765	63.619	
3)	TM A-BHC	2.452	2.008	479.9E6	687.5E6	74.768	85.650	
4)	TM G-BHC	2.720	2.197	432.8E6	617.0E6	73.761	83.951	
5)	TM B-BHC	2.780	2.251	180.0E6	251.5E6	67.393	79.024	
6)	TM D-BHC	3.014	2.367	425.7E6	614.0E6	74.581	83.758	
7)	TM HEPTACHLOR	3.069	2.506	373.8E6	613.3E6	66.948	86.537	#
8)	TM ALDRIN	3.332	2.712	349.1E6	574.2E6	63.713	83.746	#
9)	TM HEPTACHLO...	3.793	3.142	328.7E6	535.6E6	62.729	84.174	#
10)	TM G-CHLORDANE	3.951	3.236	333.4E6	545.5E6	62.808	85.048	#
11)	TM A-CHLORDANE	4.070	3.334	314.1E6	531.4E6	61.467	85.707	#
12)	TM ENDOSULFAN I	4.122	3.435	294.6E6	554.4E6	62.999	88.132	#
13)	TM 4,4-DDE	4.204	3.398	321.1E6	457.4E6	61.753	77.775	#
14)	TM DIELDRIN	4.351	3.617	338.2E6	564.9E6	64.913	85.585	#
15)	TM ENDRIN	4.610	3.795	310.4E6	520.2E6	68.809	88.206	#
16)	TM 4,4-DDD	4.697	3.865	270.0E6	414.9E6	63.592	78.530	
17)	TM ENDOSULFA...	4.789	3.972	301.3E6	487.6E6	66.446	84.032	#
18)	TM 4,4-DDT	4.949	4.083	282.9E6	487.2E6	65.359	86.444	#
19)	TM ENDRIN AL...	5.048	4.305	218.4E6	365.1E6	64.998	82.560	#
20)	TM ENODOSULF...	5.242	4.656	262.7E6	430.7E6	71.814	89.261	
21)	TM METHOXYCHLOR	5.422	4.492	144.2E6	251.0E6	73.848	89.519	
22)	TM ENDRIN KE...	5.588	4.875	306.8E6	524.4E6	73.912	88.448	

(a)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

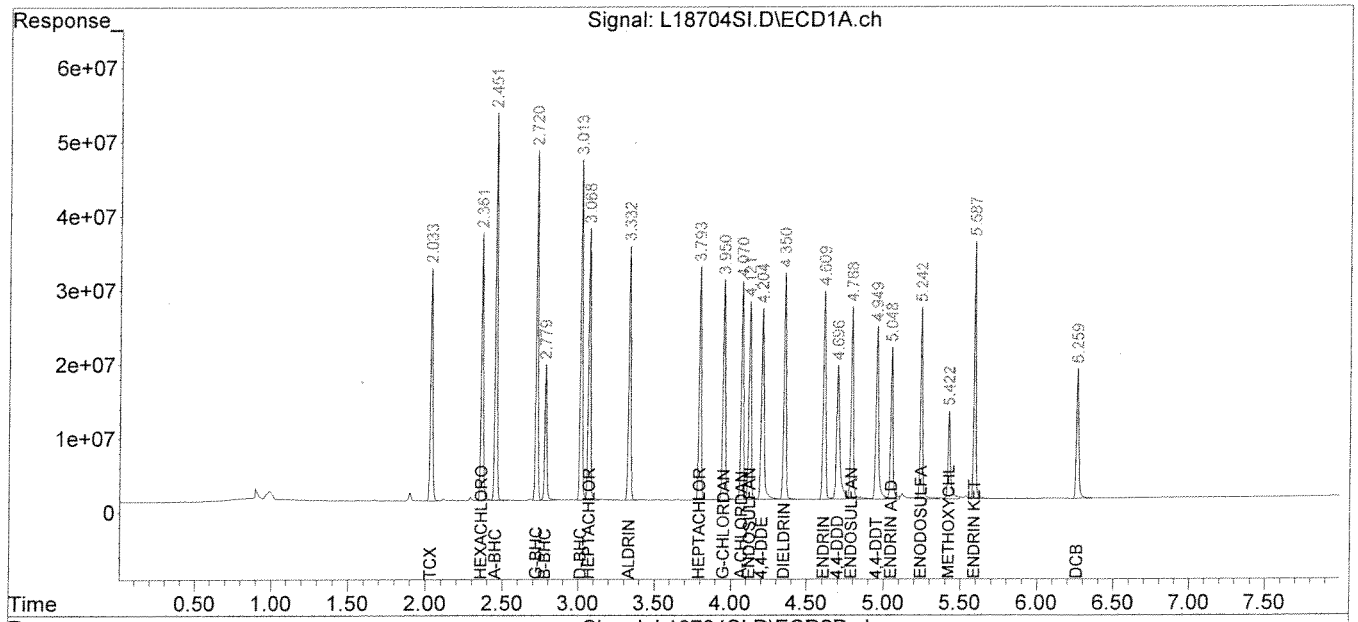
38520

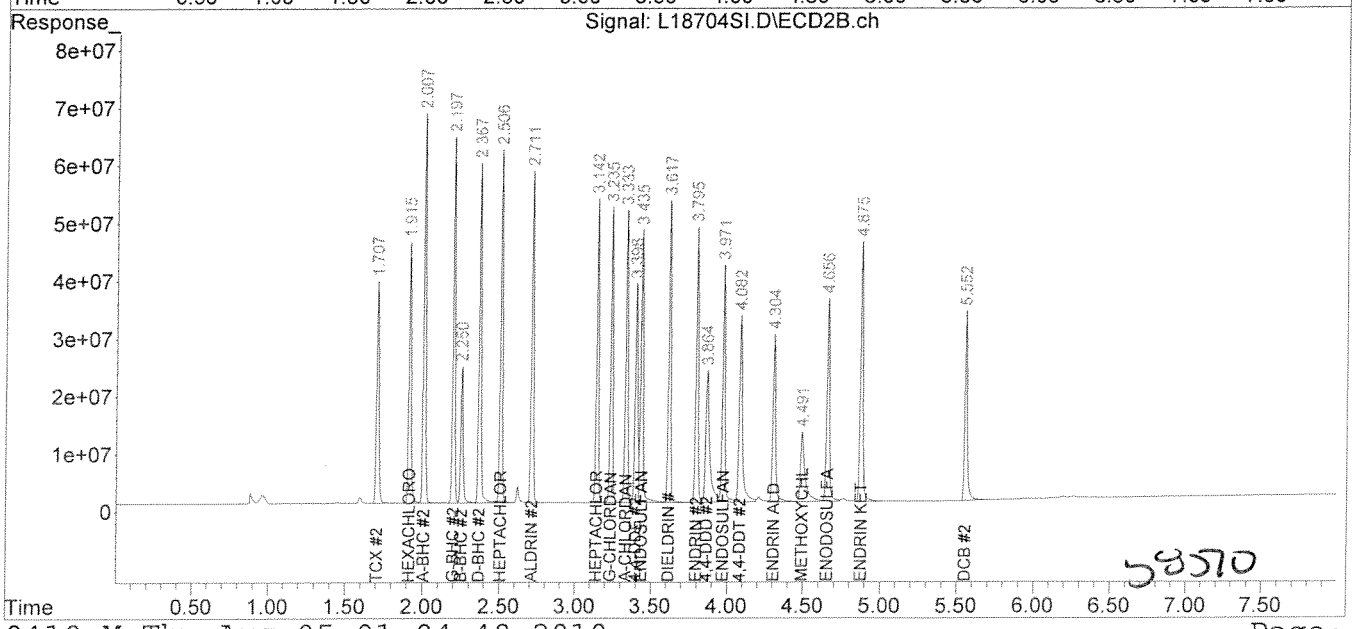
Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18704SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 11:06 pm
Operator : AR
Sample : P5325 PEST 100
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:48 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

8/5/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





58570

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18705SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 11:17 pm
Operator : AR
Sample : P5326 PEST 150
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:51 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

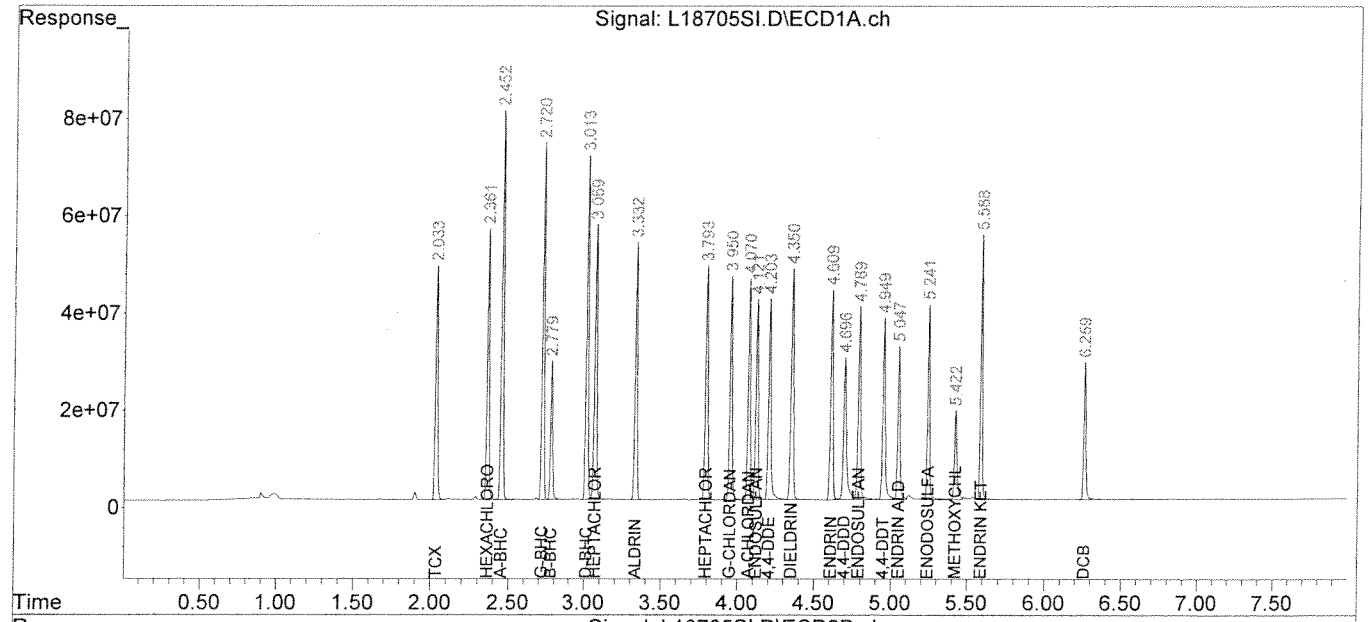
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	2.034	1.708	491.4E6	680.9E6	109.104	124.093
Spiked Amount	100.000 Range	46 - 122	Recovery	=	109.10%	124.09%#
23) S DCB	6.260	5.553	288.4E6	578.7E6	91.404	128.415 #
Spiked Amount	100.000 Range	40 - 135	Recovery	=	91.40%	128.41%
Target Compounds						
2) TM HEXACHLOR...	2.362	1.916	538.4E6	753.8E6	85.521	97.336
3) TM A-BHC	2.452	2.008	743.0E6	1058.0E6	115.763	131.797
4) TM G-BHC	2.721	2.198	668.3E6	950.2E6	113.906	129.287
5) TM B-BHC	2.780	2.251	274.1E6	385.2E6	102.655	121.043
6) TM D-BHC	3.014	2.367	659.9E6	943.7E6	115.611	128.739
7) TM HEPTACHLOR	3.069	2.506	572.6E6	933.9E6	102.545	131.782 #
8) TM ALDRIN	3.332	2.712	534.5E6	875.8E6	97.530	127.735 #
9) TM HEPTACHLO...	3.793	3.142	501.8E6	816.4E6	95.751	128.308 #
10) TM G-CHLORDANE	3.951	3.236	510.9E6	838.0E6	94.956	130.663 #
11) TM A-CHLORDANE	4.070	3.334	480.7E6	814.9E6	94.063	131.427 #
12) TM ENDOSULFAN I	4.122	3.435	447.6E6	831.4E6	95.694	132.159 #
13) TM 4,4-DDE	4.204	3.398	493.3E6	722.4E6	94.885	122.831 #
14) TM DIELDRIN	4.351	3.617	517.8E6	861.7E6	99.371	130.555 #
15) TM ENDRIN	4.610	3.795	475.1E6	793.5E6	105.307	134.552 #
16) TM 4,4-DDD	4.696	3.863	414.4E6	650.3E6	97.604	123.086 #
17) TM ENDOSULFA...	4.789	3.972	456.6E6	741.2E6	100.697	127.750 #
18) TM 4,4-DDT	4.949	4.082	433.8E6	750.3E6	100.225	133.137 #
19) TM ENDRIN AL...	5.048	4.305	332.4E6	557.0E6	98.928	125.947 #
20) TM ENODOSULF...	5.242	4.656	399.0E6	658.6E6	109.082	136.486 #
21) TM METHOXYCHLOR	5.422	4.490	213.9E6	380.1E6	109.518	135.566
22) TM ENDRIN KE...	5.588	4.875	477.4E6	797.7E6	115.009	134.538

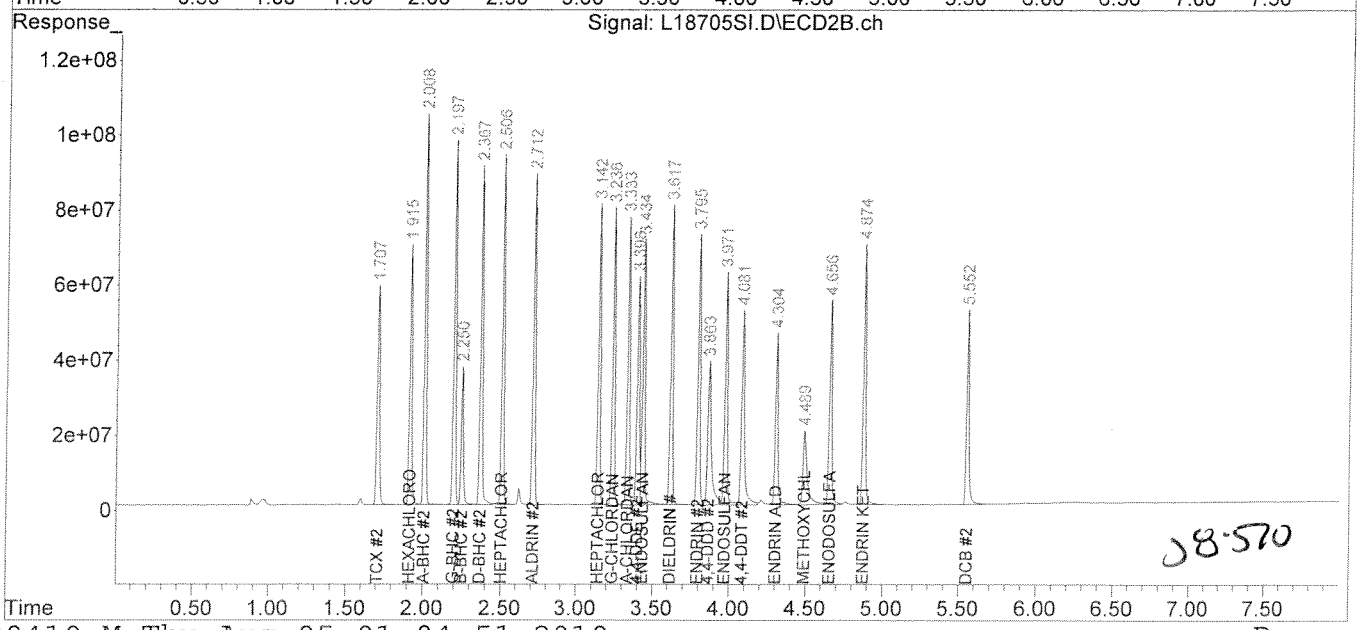
()=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18705SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 11:17 pm
Operator : AR
Sample : P5326 PEST 150
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 01:04:51 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Wed Aug 04 18:56:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





D8-570

PEST ICV

Data File Name L18706.D
Date Acquired 8/4/2010 23:27
Sample Name P5413 PEST 50 ICV

Name	Ret Time	Expected Ret Time	RT Difference	Window	RT Pass	Amount	Recovery	80%-120% Recovery Pass
TCX	2.0330	2.0330	0.0000	0.0020	OK	49.38	99%	OK
HEXACHLOROBENZENE	2.3612	2.3620	0.0008	0.0029	OK	55.18	110%	OK
A-BHC	2.4518	2.4520	0.0002	0.0029	OK	52.26	105%	OK
G-BHC	2.7199	2.7200	0.0002	0.0029	OK	52.30	105%	OK
B-BHC	2.7794	2.7800	0.0006	0.0036	OK	54.15	108%	OK
D-BHC	3.0133	3.0140	0.0007	0.0041	OK	52.25	104%	OK
HEPTACHLOR	3.0682	3.0690	0.0008	0.0041	OK	52.84	106%	OK
ALDRIN	3.3314	3.3320	0.0006	0.0048	OK	51.82	104%	OK
HEPTACHLOR EPOXIDE	3.7925	3.7930	0.0005	0.0043	OK	52.23	104%	OK
G-CHLORDANE	3.9507	3.9510	0.0003	0.0051	OK	49.86	100%	OK
A-CHLORDANE	4.0700	4.0710	0.0010	0.0063	OK	51.93	104%	OK
ENDOSULFAN I	4.1214	4.1220	0.0006	0.0063	OK	54.66	109%	OK
4,4-DDE	4.2039	4.2050	0.0011	0.0071	OK	53.07	106%	OK
DIELDRIN	4.3505	4.3510	0.0005	0.0089	OK	51.96	104%	OK
ENDRIN	4.6093	4.6100	0.0008	0.0119	OK	53.35	107%	OK
4,4-DDD	4.6971	4.6980	0.0009	0.0131	OK	53.18	106%	OK
ENDOSULFAN II	4.7885	4.7890	0.0005	0.0140	OK	53.34	107%	OK
4,4-DDT	4.9495	4.9500	0.0005	0.0161	OK	52.20	104%	OK
ENDRIN ALDEHYDE	5.0475	5.0480	0.0005	0.0176	OK	56.82	114%	OK
ENODOSULFAN SULFATE	5.2419	5.2420	0.0001	0.0196	OK	53.04	106%	OK
METHOXYCHLOR	5.4224	5.4230	0.0006	0.0208	OK	55.38	111%	OK
ENDRIN KETONE	5.5878	5.5880	0.0002	0.0210	OK	56.00	112%	OK
DCB	6.2595	6.2600	0.0005	0.0256	OK	46.80	94%	OK
TCX #2	1.7073	1.7080	0.0007	0.0102	OK	48.66	97%	OK
HEXACHLOROBENZENE #2	1.9153	1.9160	0.0007	0.0128	OK	54.29	109%	OK
A-BHC #2	2.0077	2.0080	0.0003	0.0128	OK	52.10	104%	OK
G-BHC #2	2.1971	2.1970	0.0001	0.0143	OK	52.35	105%	OK
B-BHC #2	2.2504	2.2510	0.0006	0.0149	OK	53.80	108%	OK
D-BHC #2	2.3669	2.3670	0.0001	0.0153	OK	52.44	105%	OK
HEPTACHLOR #2	2.5058	2.5060	0.0002	0.0159	OK	52.26	105%	OK
ALDRIN #2	2.7118	2.7120	0.0002	0.0165	OK	51.33	103%	OK
HEPTACHLOR EPOXIDE #2	3.1420	3.1420	0.0000	0.0178	OK	51.64	103%	OK
G-CHLORDANE #2	3.2359	3.2360	0.0002	0.0179	OK	51.50	103%	OK
A-CHLORDANE #2	3.3334	3.3340	0.0006	0.0182	OK	51.29	103%	OK
ENDOSULFAN I #2	3.4348	3.4350	0.0002	0.0186	OK	53.92	108%	OK
4,4-DDE #2	3.3986	3.3990	0.0004	0.0192	OK	50.53	101%	OK
DIELDRIN #2	3.6170	3.6170	0.0000	0.0187	OK	50.64	101%	OK
ENDRIN #2	3.7947	3.7950	0.0003	0.0185	OK	52.56	105%	OK
4,4-DDD #2	3.8661	3.8670	0.0009	0.0177	OK	51.29	103%	OK
ENDOSULFAN II #2	3.9717	3.9720	0.0003	0.0156	OK	52.57	105%	OK
4,4-DDT #2	4.0832	4.0840	0.0008	0.0159	OK	51.60	103%	OK
ENDRIN ALDEHYDE #2	4.3047	4.3050	0.0003	0.0169	OK	55.51	111%	OK
ENODOSULFAN SULFATE #2	4.6562	4.6570	0.0008	0.0189	OK	53.02	106%	OK
METHOXYCHLOR #2	4.4921	4.4920	0.0001	0.0178	OK	54.22	108%	OK
ENDRIN KETONE #2	4.8754	4.8750	0.0004	0.0205	OK	54.81	110%	OK
DCB #2	5.5531	5.5530	0.0000	0.0268	OK	45.72	91%	OK

Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18706.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 11:27 pm
Operator : AR
Sample : P5413 PEST 50 ICV
Misc :
ALS Vial : 10 Sample Multiplier: 1

MV 8/5/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 03:09:30 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 05 03:08:47 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1)	S TCX	2.033	1.707	159.0E6	216.0E6	49.378	48.662
	Spiked Amount	100.000	Range	46 - 122	Recovery	= 49.38%	48.66%
23)	S DCB	6.260	5.553	91036124	175.0E6	46.803	45.718
	Spiked Amount	100.000	Range	40 - 135	Recovery	= 46.80%	45.72%
	Target Compounds						
2)	TM HEXACHLOR...	2.361	1.915	195.8E6	270.6E6	55.177	54.290
3)	TM A-BHC	2.452	2.008	250.4E6	356.0E6	52.257	52.099
4)	TM G-BHC	2.720	2.197	226.4E6	322.1E6	52.303	52.354
5)	TM B-BHC	2.779	2.250	98805639	136.3E6	54.154	53.804
6)	TM D-BHC	3.013	2.367	222.4E6	319.7E6	52.247	52.442
7)	TM HEPTACHLOR	3.068	2.506	198.8E6	319.1E6	52.843	52.259
8)	TM ALDRIN	3.331	2.712	182.3E6	293.9E6	51.823	51.332
9)	TM HEPTACHLO...	3.792	3.142	173.6E6	276.4E6	52.234	51.643
10)	TM G-CHLORDANE	3.951	3.236	179.0E6	280.5E6	49.861	51.505
11)	TM A-CHLORDANE	4.070	3.333	165.3E6	272.6E6	51.927	51.287
12)	TM ENDOSULFAN I	4.121	3.435	162.8E6	298.5E6	54.656	53.921
13)	TM 4,4-DDE	4.204	3.399	172.4E6	230.7E6	53.073	50.531
14)	TM DIELDRIN	4.350	3.617	177.3E6	284.3E6	51.957	50.643
15)	TM ENDRIN	4.609	3.795	167.4E6	272.8E6	53.353	52.558
16)	TM 4,4-DDD	4.697	3.866	145.8E6	214.4E6	53.176	51.292
17)	TM ENDOSULFA...	4.789	3.972	162.5E6	256.4E6	53.344	52.568
18)	TM 4,4-DDT	4.949	4.083	149.8E6	252.9E6	52.198	51.600
19)	TM ENDRIN AL...	5.048	4.305	126.9E6	205.3E6	56.825	55.507
20)	TM ENODOSULF...	5.242	4.656	143.3E6	229.1E6	53.044	53.015
21)	TM METHOXYCHLOR	5.422	4.492	81801937	137.2E6	55.383	54.221
22)	TM ENDRIN KE...	5.588	4.875	175.8E6	288.3E6	56.003	54.806

(*)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

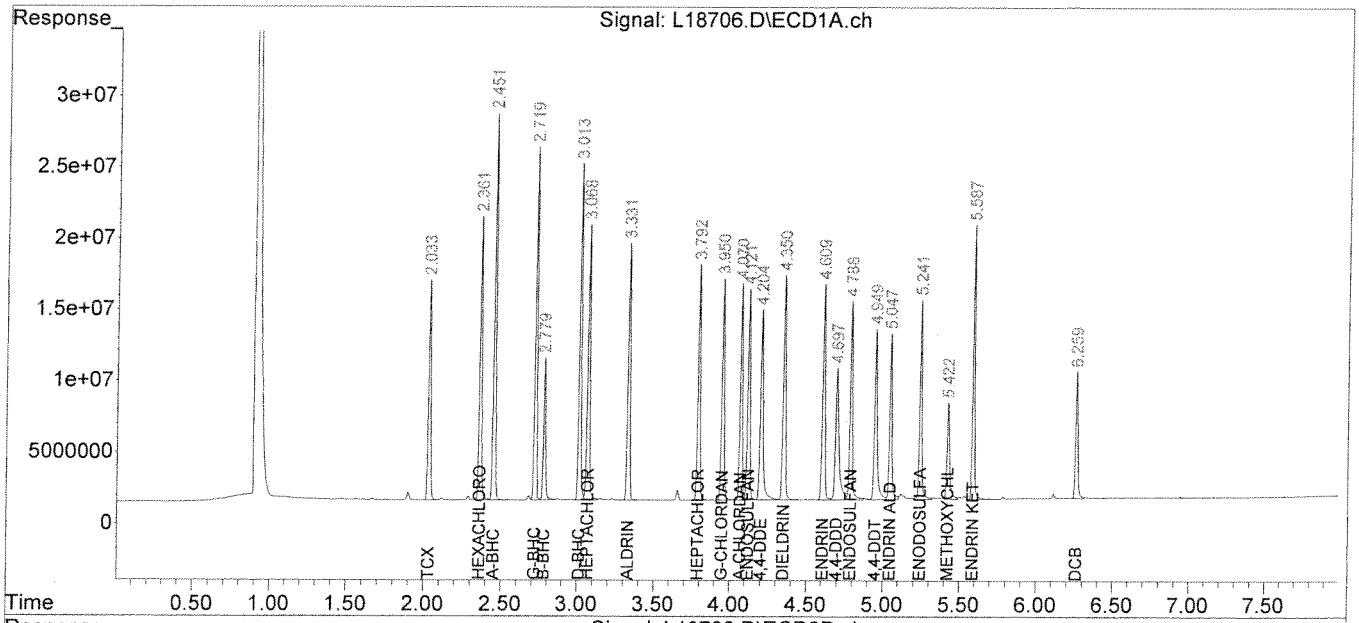
58520

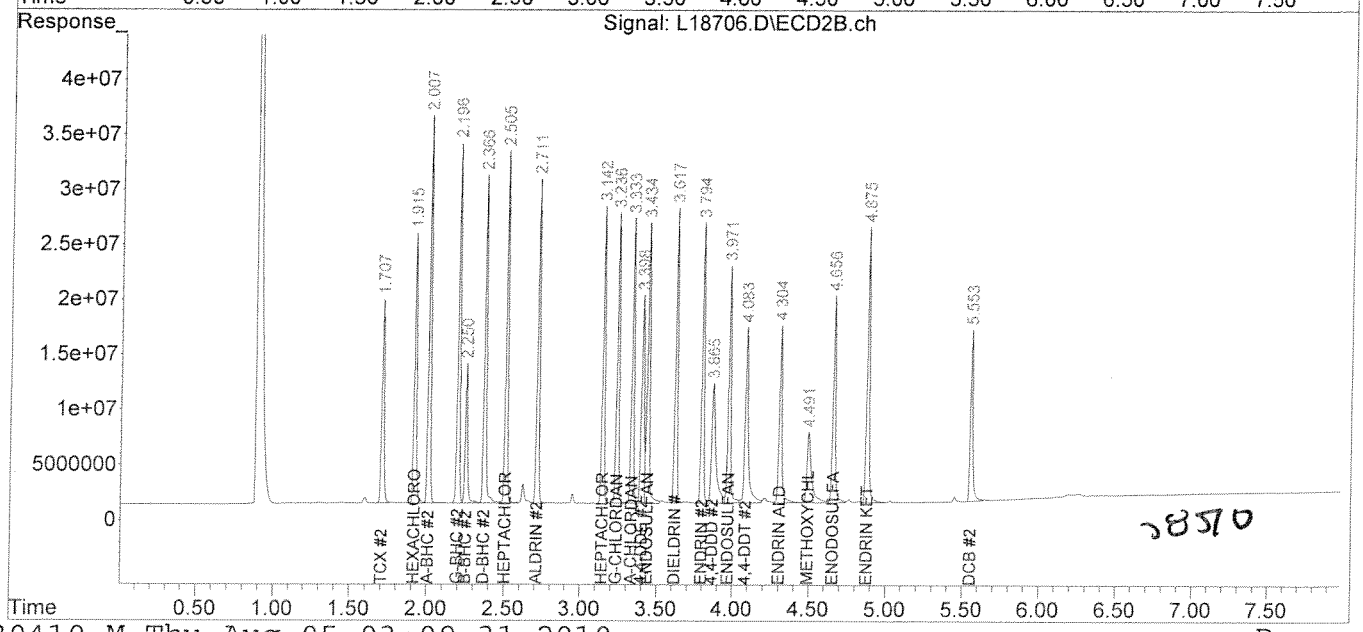
Data Path : C:\msdchem\1\DATA\080410-L\
Data File : L18706.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Aug 10 11:27 pm
Operator : AR
Sample : P5413 PEST 50 ICV
Misc :
ALS Vial : 10 Sample Multiplier: 1

8/4/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 05 03:09:30 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Thu Aug 05 03:08:47 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





08510

081510

Data File Name L18975SC.D
Date Acquired 8/15/2010 10:54
Sample Name P5429 PEST 30

Name	Ret Time	Expected Ret Time	RT Difference	Window	RT Pass	Amount	Recovery	Recovery Pass
TCX	2.0256	2.0260	0.0004	0.0065	OK	29.31	98%	OK
HEXACHLOROBENZENE	2.3540	2.3540	0.0000	0.0085	OK	29.32	98%	OK
A-BHC	2.4444	2.4444	0.0000	0.0094	OK	29.12	97%	OK
G-BHC	2.7125	2.7125	0.0000	0.0110	OK	29.02	97%	OK
B-BHC	2.7724	2.7724	0.0000	0.0108	OK	29.44	98%	OK
D-BHC	3.0064	3.0064	0.0000	0.0122	OK	28.93	96%	OK
HEPTACHLOR	3.0610	3.0610	0.0000	0.0119	OK	25.90	86%	OK
ALDRIN	3.3241	3.3241	0.0000	0.0128	OK	29.69	99%	OK
HEPTACHLOR EPOXIDE	3.7853	3.7853	0.0000	0.0139	OK	29.56	99%	OK
G-CHLORDANE	3.9434	3.9434	0.0000	0.0142	OK	25.57	85%	OK
A-CHLORDANE	4.0627	4.0627	0.0000	0.0145	OK	29.42	98%	OK
ENDOSULFAN I	4.1141	4.1141	0.0000	0.0136	OK	29.78	99%	OK
4,4-DDE	4.1974	4.1974	0.0000	0.0149	OK	29.13	97%	OK
DIELDRIN	4.3430	4.3430	0.0000	0.0151	OK	29.55	99%	OK
ENDRIN	4.6021	4.6021	0.0000	0.0155	OK	28.90	96%	OK
4,4-DDD	4.6927	4.6927	0.0000	0.0147	OK	28.73	96%	OK
ENDOSULFAN II	4.7817	4.7817	0.0000	0.0142	OK	30.93	103%	OK
4,4-DDT	4.9445	4.9445	0.0000	0.0134	OK	28.76	96%	OK
ENDRIN ALDEHYDE	5.0415	5.0415	0.0000	0.0137	OK	30.14	100%	OK
ENODOSULFAN SULFATE	5.2363	5.2363	0.0000	0.0125	OK	30.57	102%	OK
METHOXYCHLOR	5.4194	5.4194	0.0000	0.0113	OK	31.34	104%	OK
ENDRIN KETONE	5.5829	5.5829	0.0000	0.0111	OK	30.73	102%	OK
DCB	6.2552	6.2552	0.0000	0.0115	OK	31.94	106%	OK
TCX #2	1.6994	1.6994	0.0000	0.0029	OK	30.85	103%	OK
HEXACHLOROBENZENE #2	1.9073	1.9073	0.0000	0.0030	OK	30.91	103%	OK
A-BHC #2	1.9994	1.9994	0.0000	0.0027	OK	30.37	101%	OK
G-BHC #2	2.1887	2.1887	0.0000	0.0032	OK	30.15	101%	OK
B-BHC #2	2.2424	2.2424	0.0000	0.0031	OK	30.88	103%	OK
D-BHC #2	2.3586	2.3586	0.0000	0.0035	OK	30.25	101%	OK
HEPTACHLOR #2	2.4971	2.4971	0.0000	0.0030	OK	28.87	96%	OK
ALDRIN #2	2.7026	2.7026	0.0000	0.0033	OK	30.08	100%	OK
HEPTACHLOR EPOXIDE #2	3.1328	3.1328	0.0000	0.0033	OK	30.01	100%	OK
G-CHLORDANE #2	3.2265	3.2265	0.0000	0.0037	OK	29.49	98%	OK
A-CHLORDANE #2	3.3241	3.3241	0.0000	0.0040	OK	29.70	99%	OK
ENDOSULFAN I #2	3.4250	3.4250	0.0000	0.0035	OK	32.00	107%	OK
4,4-DDE #2	3.3909	3.3909	0.0000	0.0035	OK	25.85	86%	OK
DIELDRIN #2	3.6076	3.6076	0.0000	0.0035	OK	29.24	97%	OK
ENDRIN #2	3.7852	3.7852	0.0000	0.0036	OK	29.10	97%	OK
4,4-DDD #2	3.8639	3.8639	0.0000	0.0033	OK	26.80	89%	OK
ENDOSULFAN II #2	3.9623	3.9623	0.0000	0.0037	OK	30.48	102%	OK
4,4-DDT #2	4.0773	4.0773	0.0000	0.0036	OK	28.53	95%	OK
ENDRIN ALDEHYDE #2	4.2957	4.2957	0.0000	0.0032	OK	30.42	101%	OK
ENODOSULFAN SULFATE #2	4.6470	4.6470	0.0000	0.0034	OK	29.95	100%	OK
METHOXYCHLOR #2	4.4892	4.4892	0.0000	0.0028	OK	29.58	99%	OK
ENDRIN KETONE #2	4.8667	4.8667	0.0000	0.0033	OK	30.13	100%	OK
DCB #2	5.5476	5.5476	0.0000	0.0028	OK	31.31	104%	OK

✓ 081710

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18975SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 10:54 am
Operator : SMC
Sample : P5429 PEST 30
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 13:25:59 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore 081510
QLast Update : Sun Aug 15 13:25:53 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	2.026	1.699	92946598	135.4E6	29.313	30.847
Spiked Amount 100.000	Range	46 - 122	Recovery	=	29.31%#	30.85%#
23) S DCB	6.255	5.548	62315319	118.6E6	31.937	31.311
Spiked Amount 100.000	Range	40 - 135	Recovery	=	31.94%#	31.31%#
Target Compounds						
2) TM HEXACHLOR...	2.354	1.907	103.0E6	154.0E6	29.322	30.912
3) TM A-BHC	2.444	1.999	135.1E6	202.3E6	29.116	30.370
4) TM G-BHC	2.712	2.189	122.2E6	181.4E6	29.021	30.154
5) TM B-BHC	2.772	2.242	53717103	77725688	29.437	30.883
6) TM D-BHC	3.006	2.359	119.8E6	180.5E6	28.929	30.255
7) TM HEPTACHLOR	3.061	2.497	96214013	173.5E6	25.896	28.868
8) TM ALDRIN	3.324	2.703	103.4E6	169.7E6	29.685	30.083
9) TM HEPTACHLO...	3.785	3.133	97888062	159.1E6	29.558	30.013
10) TM G-CHLORDANE	3.943	3.227	97347713	158.2E6	25.574	29.486
11) TM A-CHLORDANE	4.063	3.324	93434891	155.8E6	29.418	29.701
12) TM ENDOSULFAN I	4.114	3.425	88764428	175.6E6	29.779	31.998
13) TM 4,4-DDE	4.197	3.391	93723841	114.7E6	29.127	25.852
14) TM DIELDRIN	4.343	3.608	100.0E6	161.9E6	29.554	29.245
15) TM ENDRIN	4.602	3.785	90508410	149.7E6	28.898	29.100
16) TM 4,4-DDD	4.693	3.864	79453102	111.0E6	28.726	26.802
17) TM ENDOSULFA...	4.782	3.962	94776280	147.9E6	30.934	30.479
18) TM 4,4-DDT	4.944	4.077	82046174	138.1E6	28.761	28.535
19) TM ENDRIN AL...	5.041	4.296	68116308	112.7E6	30.140	30.416
20) TM ENODOSULF...	5.236	4.647	82001405	128.5E6	30.575	29.950
21) TM METHOXYCHLOR	5.419	4.489	46286979	75424359	31.338	29.584
22) TM ENDRIN KE...	5.583	4.867	95871749	157.3E6	30.735	30.130

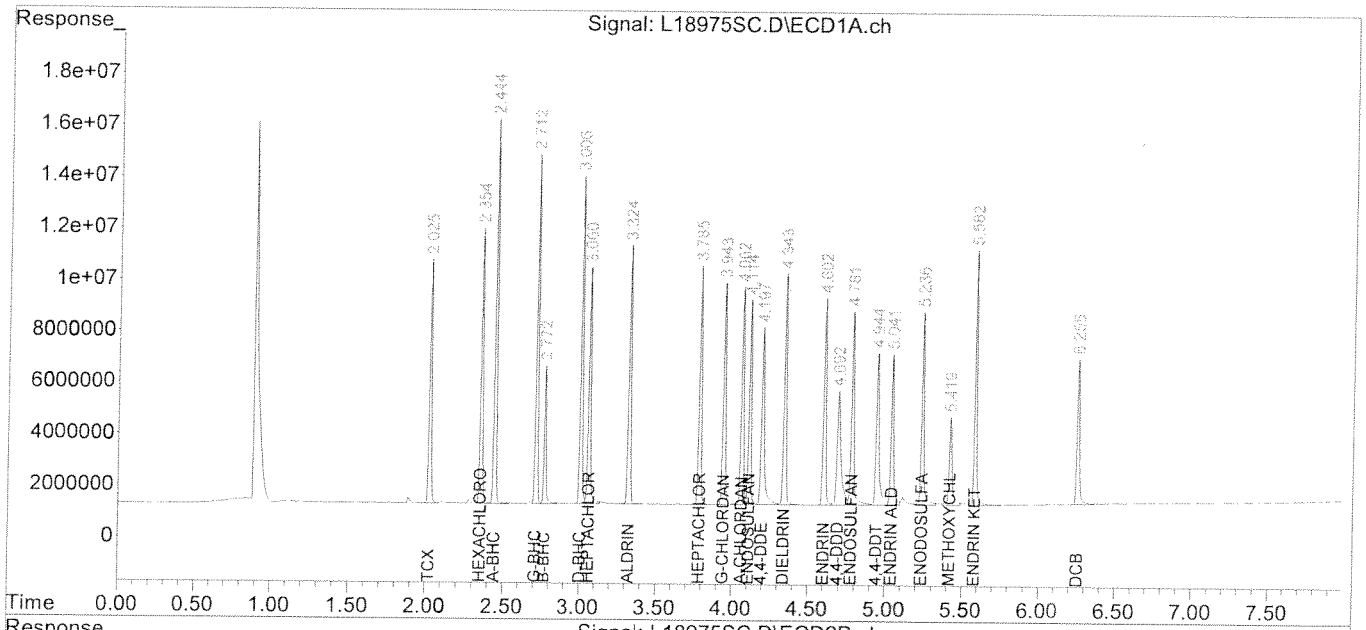
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

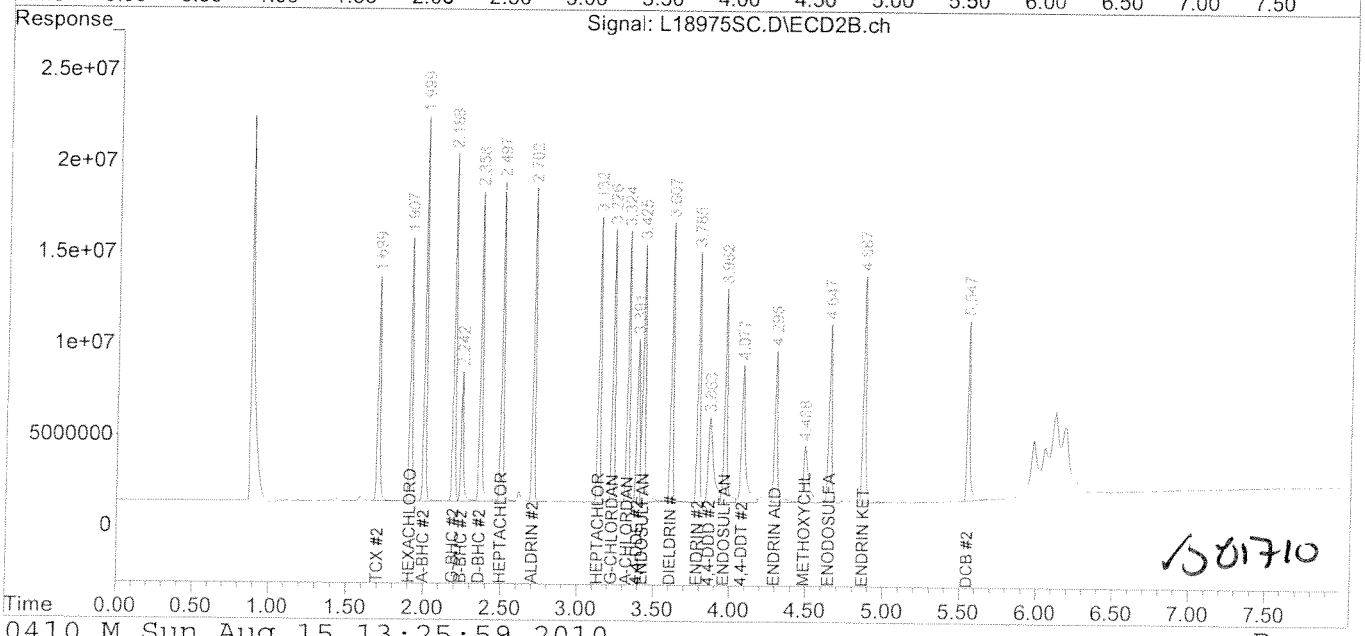
081710

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18975SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 10:54 am
Operator : SMC
Sample : P5429 PEST 30
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 13:25:59 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore J01520
QLast Update : Sun Aug 15 13:25:53 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





J01710

CHLORDANE/TOXAPHENE
CONTINUING CALIBRATION

58120

Instrument ID: L
GC Column #1: RTX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: RTX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5438 C/T 0.5/1.0
Data File ID: L18976SC.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.548	110		0.522	104	
Toxaphene	1.156	116	* M	1.021	102	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: OK MCP

JL 08-25-10

CHLORDANE/TOXAPHENE FORM 7

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18976SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 11:04 am
Operator : SMC
Sample : P5438 C/T 0.5/1.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Aug 15 13:26:44 2010
Quant Method : C:\msdchem\1\METHODS\CT080710.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Thu Aug 12 03:21:07 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um fi
m

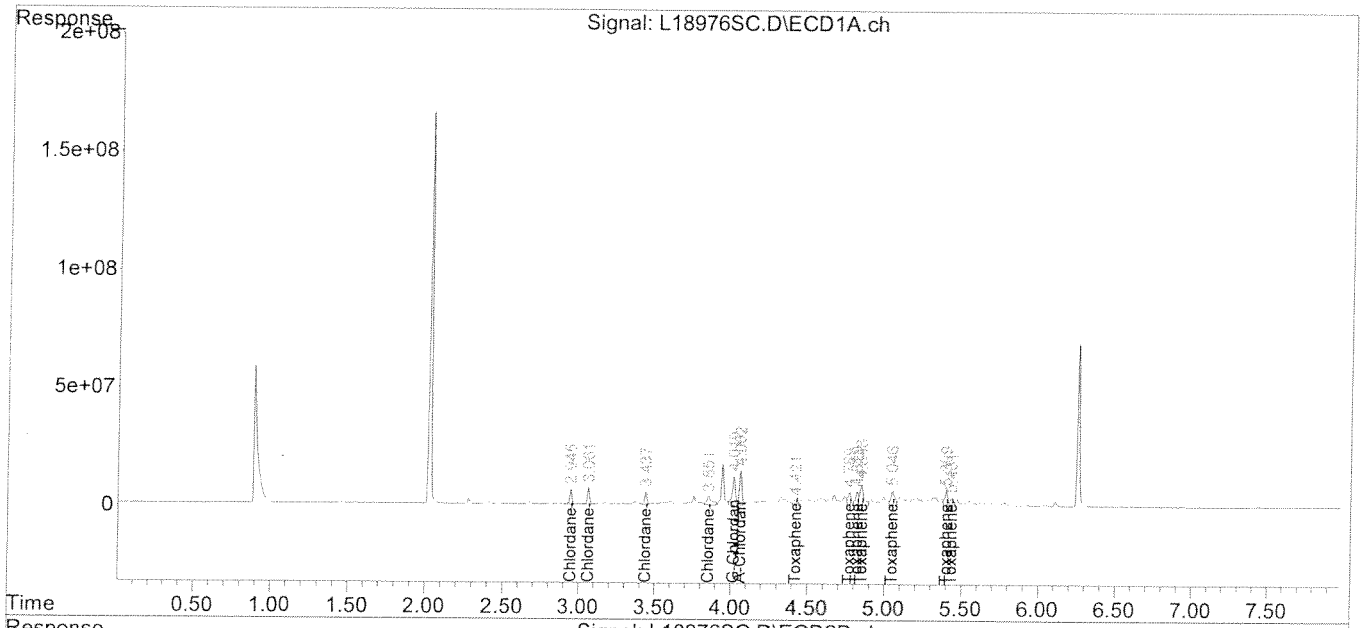
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.946	2.443	68208276	93046711	0.558	0.544
2) L1M Chlordane-2	3.062	2.497	78048571	128.7E6	0.501	0.514
3) L1M Chlordane-3	3.437	2.795	67086015	95755835	0.570	0.523
4) L1M Chlordane-4	3.852	3.087	83978237	86792682	0.552	0.489
5) L1M G-Chlordane	4.019	3.227	186.0E6	379.3E6	0.544	0.527
6) L1M A-Chlordane	4.063	3.319	171.3E6	572.0E6	0.563	0.535
Sum Chlordane-1			654.6E6	1355.6E6	3.288	3.133
Average Chlordane-1					0.548	0.522
7) L2M Toxaphene-1	4.421	3.559	39970344	81390285	1.170	1.040
8) L2M Toxaphene-2	4.769	3.614	94916888	77182677	1.151	0.981
9) L2M Toxaphene-3	4.821	3.816	85671594	232.6E6	1.128	1.067
10) L2M Toxaphene-4	4.848	3.954	152.8E6	199.2E6	1.145	1.017
11) L2M Toxaphene-5	5.047	4.227	116.9E6	176.4E6	1.142	1.020
12) L2M Toxaphene-6	5.399	4.486	92698184	182.0E6	1.172	0.987
13) L2M Toxaphene-7	5.432	4.565	54501047	160.9E6	1.187	1.038
Sum Toxaphene-1			637.4E6	1109.7E6	8.095	7.149
Average Toxaphene-1					1.156	1.021

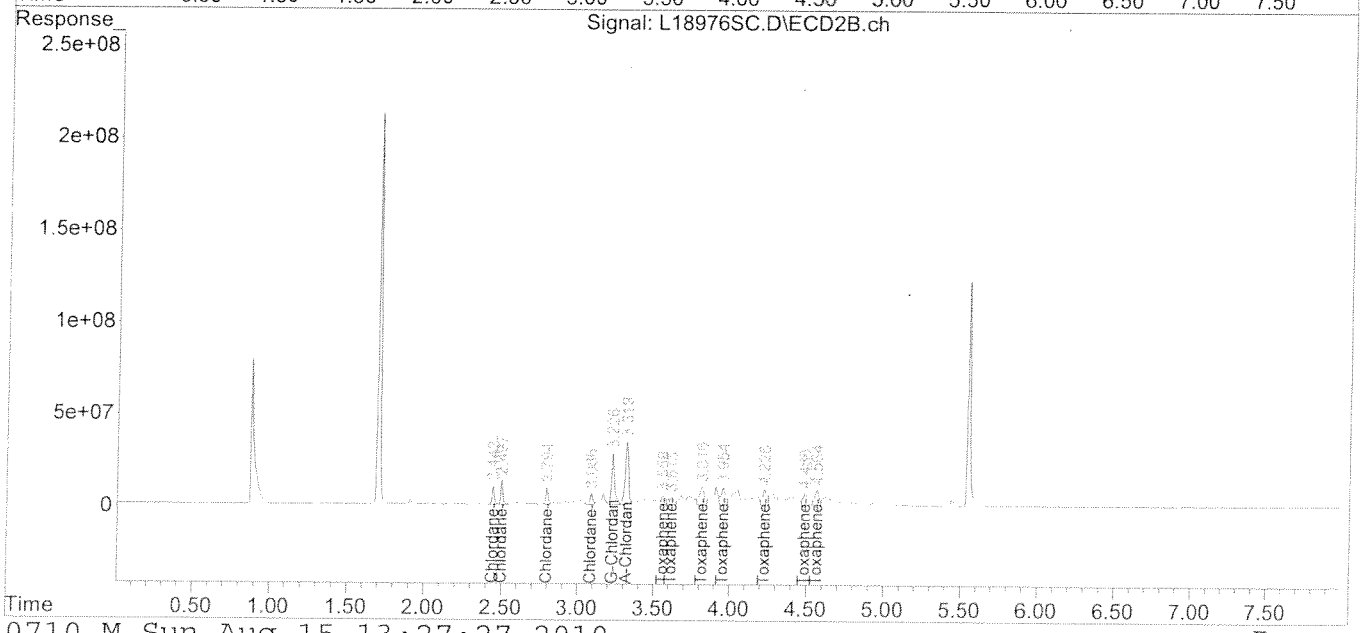
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18976SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 11:04 am
Operator : SMC
Sample : P5438 C/T 0.5/1.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Aug 15 13:26:44 2010
Quant Method : C:\msdchem\1\METHODS\CT080710.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Thu Aug 12 03:21:07 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um f





CHLORDANE/TOXAPHENE
CONTINUING CALIBRATION

Instrument ID: L
GC Column #1: RTX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: RTX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5438 C/T 0.5/1.0
Data File ID: L18992SC.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.564	113		0.528	106	
Toxaphene	1.134	113		1.022	102	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

JW 8-16-10
✓38-1710

CHLORDANE/TOXAPHENE FORM 7

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18992SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 1:49 pm
Operator : SMC
Sample : P5438 C/T 0.5/1.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Aug 15 15:22:14 2010
Quant Method : C:\msdchem\1\METHODS\CT080710.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Thu Aug 12 03:21:07 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 8.16.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um fi
m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.944	2.442	69112636	93799479	0.566	0.548
2) L1M Chlordane-2	3.060	2.497	80352917	130.2E6	0.516	0.520
3) L1M Chlordane-3	3.435	2.794	73994630	96221366	0.631	0.526
4) L1M Chlordane-4	3.850	3.086	84339345	88501942	0.555	0.499
5) L1M G-Chlordane	4.017	3.226	188.6E6	383.3E6	0.552	0.533
6) L1M A-Chlordane	4.061	3.318	172.4E6	579.0E6	0.566	0.541
Sum Chlordane-1			668.8E6	1371.1E6	3.385	3.167
Average Chlordane-1					0.564	0.528
7) L2M Toxaphene-1	4.420	3.557	39483248	79534387	1.155	1.017
8) L2M Toxaphene-2	4.767	3.613	93677357	79235329	1.136	1.007
9) L2M Toxaphene-3	4.819	3.815	85540555	230.4E6	1.127	1.057
10) L2M Toxaphene-4	4.847	3.953	150.2E6	201.9E6	1.126	1.030
11) L2M Toxaphene-5	5.045	4.226	115.4E6	178.6E6	1.127	1.033
12) L2M Toxaphene-6	5.398	4.485	89779933	180.6E6	1.136	0.980
13) L2M Toxaphene-7	5.431	4.563	52001415	160.1E6	1.133	1.033
Sum Toxaphene-1			626.0E6	1110.4E6	7.940	7.156
Average Toxaphene-1					1.134	1.022

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

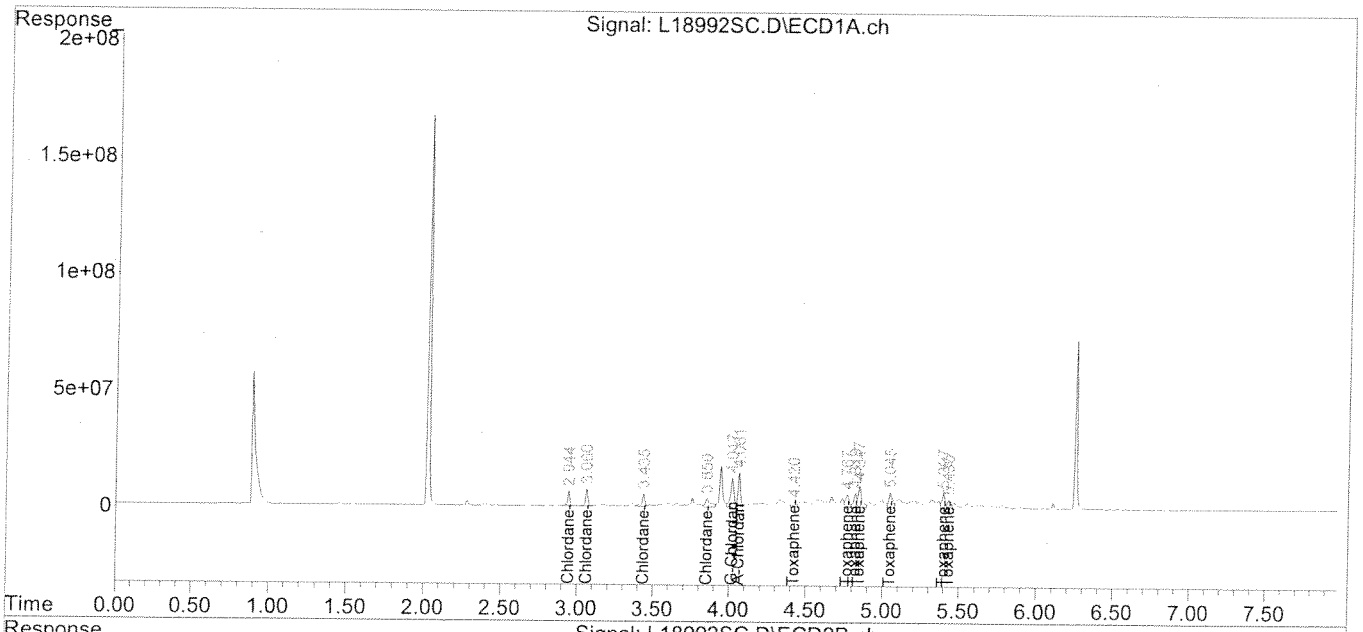
CT080710

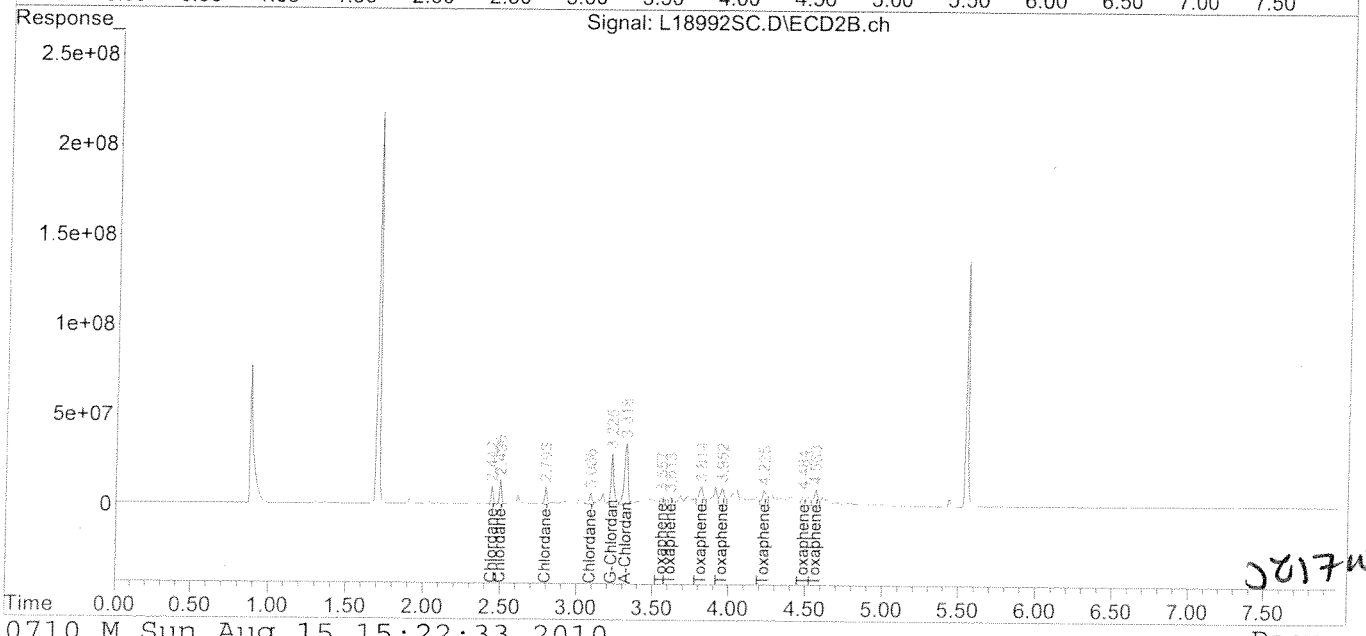
Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18992SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 1:49 pm
Operator : SMC
Sample : P5438 C/T 0.5/1.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Aug 15 15:22:14 2010
Quant Method : C:\msdchem\1\METHODS\CT080710.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Thu Aug 12 03:21:07 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 8.16.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um f





JW 17 10

Data File Name L18993SC.D
Date Acquired 8/15/2010 13:59
Sample Name P5429 PEST 30

Name	Ret Time	Expected Ret Time	RT Difference	Window	RT Pass	Amount	Recovery	Recovery Pass
TCX	2.0257	2.0260	0.0003	0.0065	OK	29.70	99%	OK
HEXACHLOROBENZENE	2.3538	2.3540	0.0003	0.0085	OK	29.79	99%	OK
A-BHC	2.4441	2.4444	0.0004	0.0094	OK	29.62	99%	OK
G-BHC	2.7120	2.7125	0.0004	0.0110	OK	29.52	98%	OK
B-BHC	2.7717	2.7724	0.0007	0.0108	OK	30.13	100%	OK
D-BHC	3.0055	3.0064	0.0008	0.0122	OK	29.96	100%	OK
HEPTACHLOR	3.0605	3.0610	0.0005	0.0119	OK	27.16	91%	OK
ALDRIN	3.3235	3.3241	0.0006	0.0128	OK	30.14	100%	OK
HEPTACHLOR EPOXIDE	3.7845	3.7853	0.0008	0.0139	OK	30.13	100%	OK
G-CHLORDANE	3.9423	3.9434	0.0011	0.0142	OK	27.74	92%	OK
A-CHLORDANE	4.0617	4.0627	0.0010	0.0145	OK	30.05	100%	OK
ENDOSULFAN I	4.1132	4.1141	0.0009	0.0136	OK	30.27	101%	OK
4,4-DDE	4.1958	4.1974	0.0016	0.0149	OK	29.69	99%	OK
DIELDRIN	4.3421	4.3430	0.0008	0.0151	OK	29.95	100%	OK
ENDRIN	4.6010	4.6021	0.0010	0.0155	OK	29.77	99%	OK
4,4-DDD	4.6900	4.6927	0.0027	0.0147	OK	30.56	102%	OK
ENDOSULFAN II	4.7807	4.7817	0.0010	0.0142	OK	30.55	102%	OK
4,4-DDT	4.9423	4.9445	0.0022	0.0134	OK	28.13	94%	OK
ENDRIN ALDEHYDE	5.0403	5.0415	0.0012	0.0137	OK	30.36	101%	OK
ENODOSULFAN SULFATE	5.2354	5.2363	0.0010	0.0125	OK	31.85	106%	OK
METHOXYCHLOR	5.4167	5.4194	0.0027	0.0113	OK	31.32	104%	OK
ENDRIN KETONE	5.5818	5.5829	0.0011	0.0111	OK	32.05	107%	OK
DCB	6.2535	6.2552	0.0016	0.0115	OK	31.97	107%	OK
TCX #2	1.6997	1.6994	0.0004	0.0029	OK	31.08	104%	OK
HEXACHLOROBENZENE #2	1.9074	1.9073	0.0001	0.0030	OK	31.50	105%	OK
A-BHC #2	1.9994	1.9994	0.0000	0.0027	OK	30.96	103%	OK
G-BHC #2	2.1886	2.1887	0.0001	0.0032	OK	30.81	103%	OK
B-BHC #2	2.2422	2.2424	0.0002	0.0031	OK	31.41	105%	OK
D-BHC #2	2.3585	2.3586	0.0001	0.0035	OK	31.20	104%	OK
HEPTACHLOR #2	2.4970	2.4971	0.0002	0.0030	OK	29.79	99%	OK
ALDRIN #2	2.7023	2.7026	0.0003	0.0033	OK	30.63	102%	OK
HEPTACHLOR EPOXIDE #2	3.1323	3.1328	0.0005	0.0033	OK	30.60	102%	OK
G-CHLORDANE #2	3.2259	3.2265	0.0006	0.0037	OK	30.21	101%	OK
A-CHLORDANE #2	3.3236	3.3241	0.0005	0.0040	OK	30.34	101%	OK
ENDOSULFAN I #2	3.4247	3.4250	0.0003	0.0035	OK	30.86	103%	OK
4,4-DDE #2	3.3894	3.3909	0.0015	0.0035	OK	28.98	97%	OK
DIELDRIN #2	3.6068	3.6076	0.0008	0.0035	OK	29.87	100%	OK
ENDRIN #2	3.7846	3.7852	0.0006	0.0036	OK	29.98	100%	OK
4,4-DDD #2	3.8579	3.8639	0.0060	0.0033	* m	30.03	100%	OK
ENDOSULFAN II #2	3.9614	3.9623	0.0010	0.0037	OK	30.73	102%	OK
4,4-DDT #2	4.0742	4.0773	0.0031	0.0036	OK	27.79	93%	OK
ENDRIN ALDEHYDE #2	4.2943	4.2957	0.0013	0.0032	OK	30.10	100%	OK
ENODOSULFAN SULFATE #2	4.6460	4.6470	0.0011	0.0034	OK	31.08	104%	OK
METHOXYCHLOR #2	4.4834	4.4892	0.0058	0.0028	* m	30.22	101%	OK
ENDRIN KETONE #2	4.8654	4.8667	0.0012	0.0033	OK	31.40	105%	OK
DCB #2	5.5455	5.5476	0.0021	0.0028	OK	31.05	104%	OK

JU 8.16.10

501710

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18993SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 1:59 pm
Operator : SMC
Sample : P5429 PEST 30
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 15:23:18 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

08-16-10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	2.026	1.700	94201220	136.4E6	29.698	31.077
Spiked Amount	100.000	Range	46 - 122	Recovery	=	29.70%# 31.08%#
23) S DCB	6.254	5.546	62379298	117.6E6	31.971	31.052
Spiked Amount	100.000	Range	40 - 135	Recovery	=	31.97%# 31.05%#
Target Compounds						
2) TM HEXACHLOR...	2.354	1.907	104.7E6	157.0E6	29.786	31.501
3) TM A-BHC	2.444	1.999	137.6E6	206.4E6	29.617	30.956
4) TM G-BHC	2.712	2.189	124.4E6	185.6E6	29.516	30.813
5) TM B-BHC	2.772	2.242	54971435	79063847	30.131	31.408
6) TM D-BHC	3.006	2.358	124.3E6	186.4E6	29.959	31.196
7) TM HEPTACHLOR	3.060	2.497	101.0E6	179.3E6	27.165	29.792
8) TM ALDRIN	3.324	2.702	105.0E6	172.9E6	30.138	30.629
9) TM HEPTACHLO...	3.785	3.132	99789266	162.2E6	30.132	30.596
10) TM G-CHLORDANE	3.942	3.226	104.6E6	162.2E6	27.740	30.213
11) TM A-CHLORDANE	4.062	3.324	95435024	159.2E6	30.048	30.342
12) TM ENDOSULFAN I	4.113	3.425	90228051	169.3E6	30.274	30.864
13) TM 4,4-DDE	4.196	3.389	95565339	129.7E6	29.692	28.980
14) TM DIELDRIN	4.342	3.607	101.4E6	165.5E6	29.947	29.869
15) TM ENDRIN	4.601	3.785	93245221	154.4E6	29.769	29.977
16) TM 4,4-DDD	4.690	3.858	84459243	124.8E6	30.559	30.028
17) TM ENDOSULFA...	4.781	3.961	93610577	149.2E6	30.547	30.729
18) TM 4,4-DDT	4.942	4.074	80246220	134.4E6	28.131	27.786
19) TM ENDRIN AL...	5.040	4.294	68606085	111.6E6	30.364	30.104
20) TM ENODOSULF...	5.235	4.646	85358040	133.4E6	31.849	31.077
21) TM METHOXYCHLOR	5.417	4.483	46265072	77026148	31.323	30.221
22) TM ENDRIN KE...	5.582	4.865	100.0E6	164.0E6	32.053	31.398

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

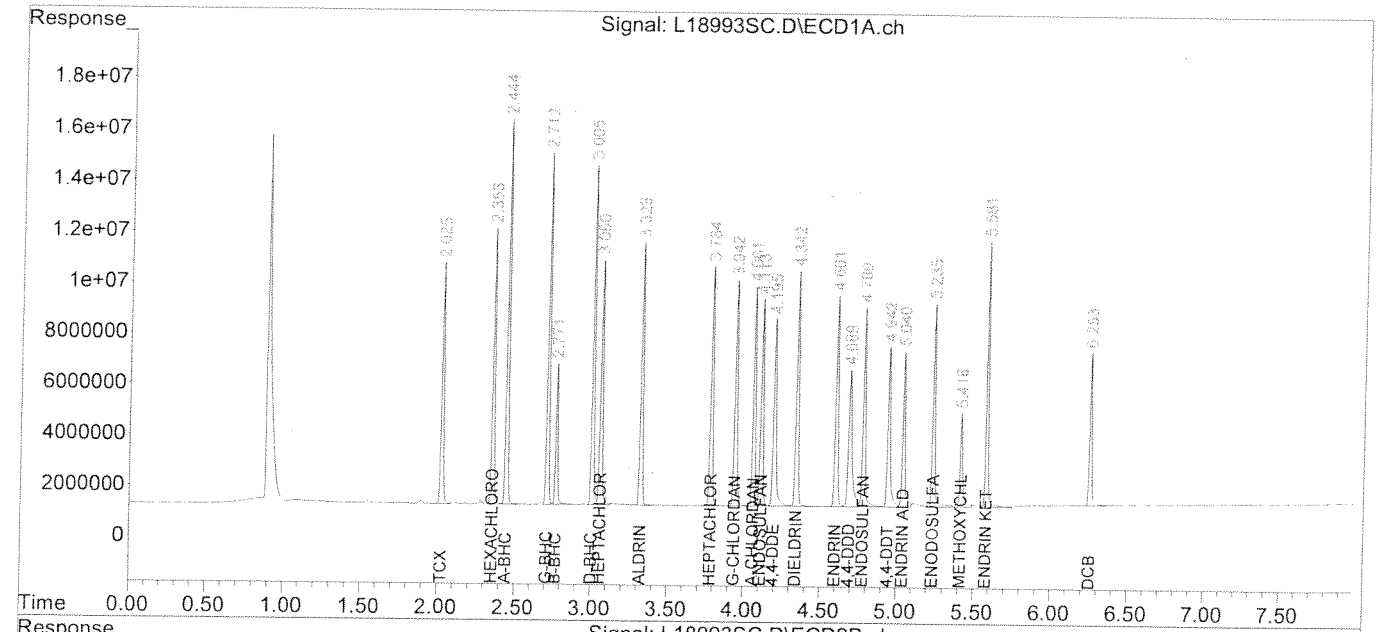
081610

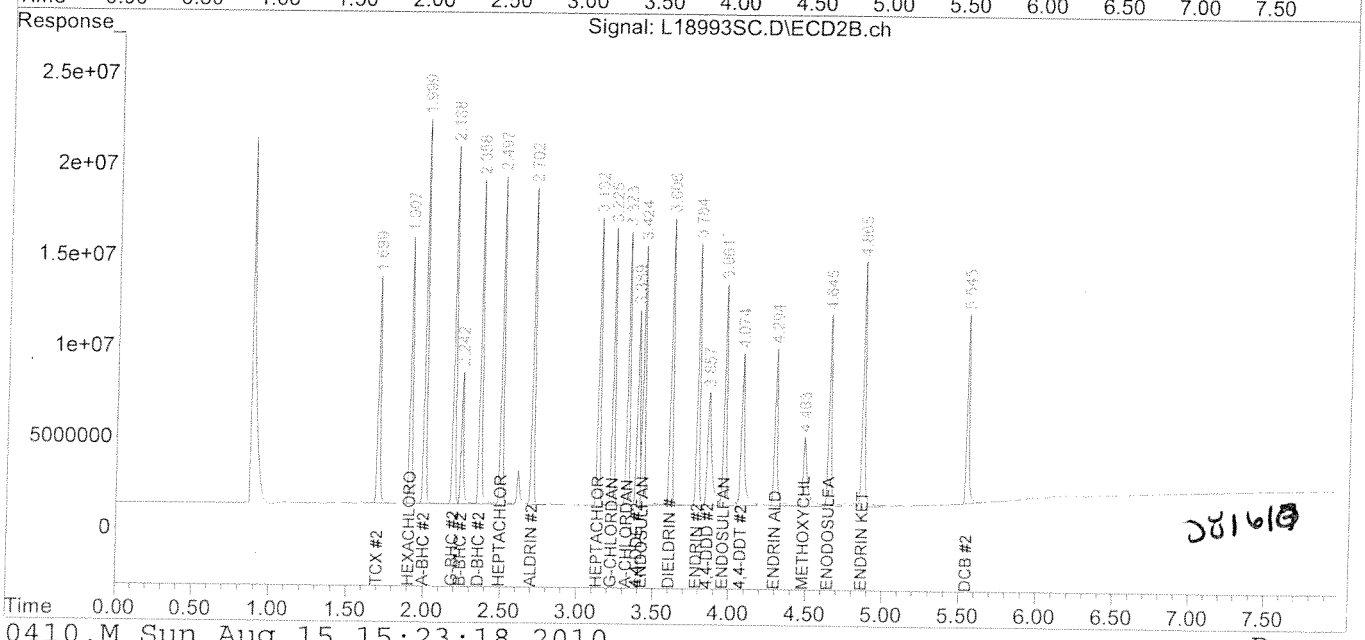
Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L18993SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 1:59 pm
Operator : SMC
Sample : P5429 PEST 30
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 15:23:18 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JS 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





D81610

CHLORDANE/TOXAPHENE
CONTINUING CALIBRATION

Instrument ID: L
GC Column #1: RTX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: RTX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5438 C/T 0.5/1.0
Data File ID: L19004SC.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.555	111		0.523	105	
Toxaphene	1.110	111		1.001	100	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

JU 8-16-10

VB0170

CHLORDANE/TOXAPHENE FORM 7

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L19004SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 3:43 pm
Operator : SMC
Sample : P5438 C/T 0.5/1.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Aug 16 16:00:24 2010
Quant Method : C:\msdchem\1\METHODS\CT080710.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Thu Aug 12 03:21:07 2010
Response via : Initial Calibration
Integrator: ChemStation

JU 8.16.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um fil
m

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.944	2.442	69643794	93588251	0.570	0.547
2) L1M Chlordane-2	3.060	2.497	81633390	130.2E6	0.524	0.520
3) L1M Chlordane-3	3.435	2.794	67215204	94600116	0.571	0.517
4) L1M Chlordane-4	3.850	3.086	83426222	87479662	0.549	0.493
5) L1M G-Chlordane	4.017	3.226	187.5E6	379.9E6	0.549	0.528
6) L1M A-Chlordane	4.061	3.318	172.5E6	572.5E6	0.567	0.535
Sum Chlordane-1			661.9E6	1358.2E6	3.329	3.140
Average Chlordane-1					0.555	0.523
7) L2M Toxaphene-1	4.420	3.557	38551665	77632339	1.129	0.993
8) L2M Toxaphene-2	4.767	3.613	92372926	77539434	1.120	0.986
9) L2M Toxaphene-3	4.819	3.815	84074923	226.3E6	1.107	1.038
10) L2M Toxaphene-4	4.847	3.953	147.8E6	198.6E6	1.108	1.014
11) L2M Toxaphene-5	5.045	4.226	112.9E6	173.6E6	1.103	1.004
12) L2M Toxaphene-6	5.397	4.484	87371066	179.9E6	1.106	0.976
13) L2M Toxaphene-7	5.431	4.564	50138767	155.0E6	1.093	1.000
Sum Toxaphene-1			613.3E6	1088.6E6	7.767	7.010
Average Toxaphene-1					1.110	1.001

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

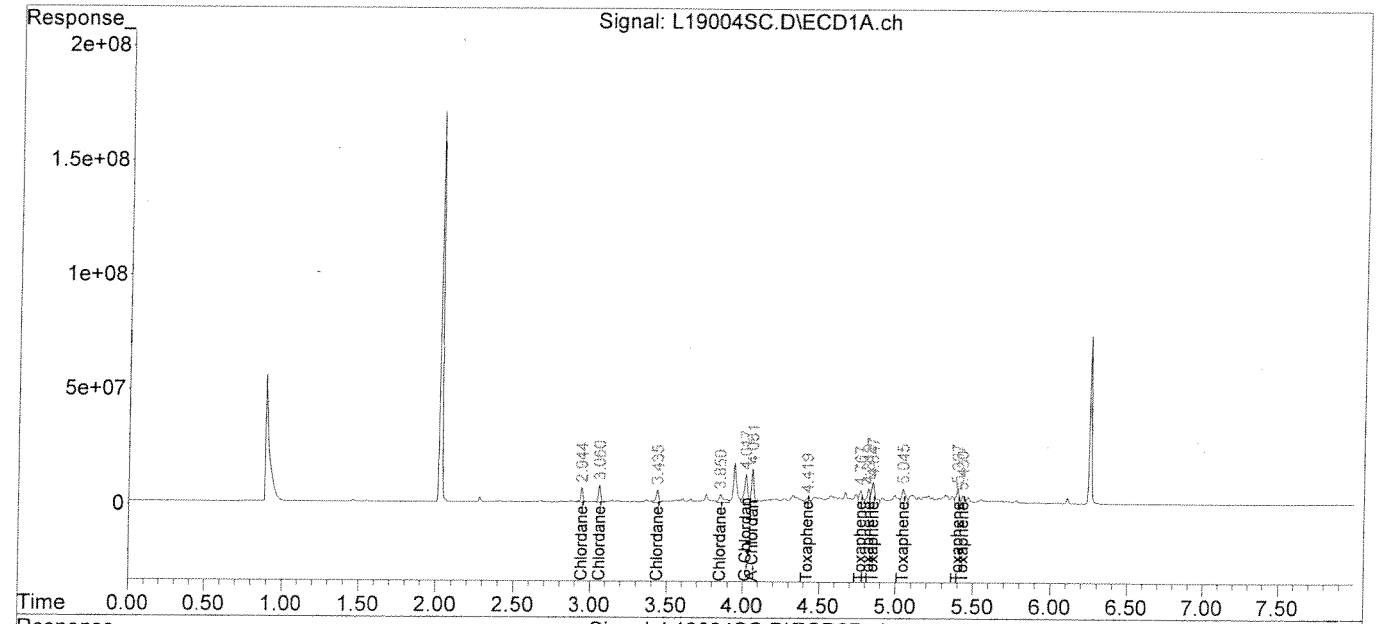
JU 81710

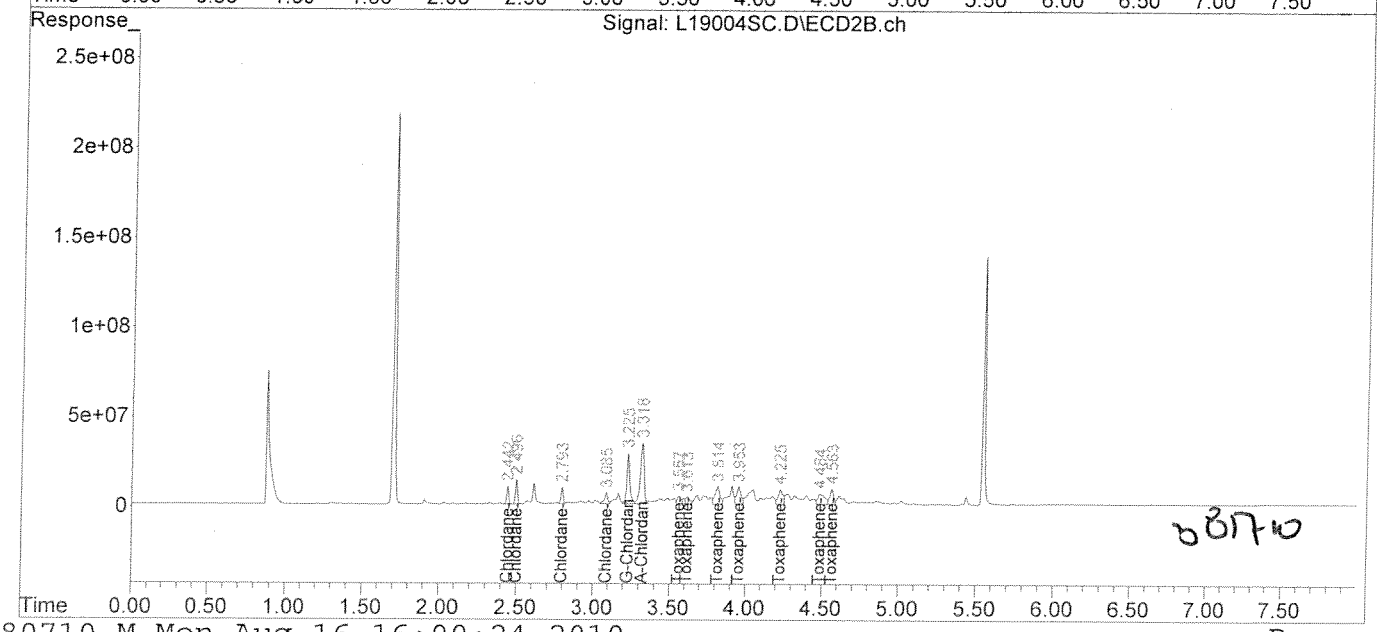
Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L19004SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 3:43 pm
Operator : SMC
Sample : P5438 C/T 0.5/1.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Aug 16 16:00:24 2010
Quant Method : C:\msdchem\1\METHODS\CT080710.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Thu Aug 12 03:21:07 2010
Response via : Initial Calibration
Integrator: ChemStation

SW 8.16.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um fi





b0710

Data File Name L19005SC.D
Date Acquired 8/15/2010 15:53
Sample Name P5429 PEST 30

Name	Ret Time	Expected Ret Time	RT Difference	Window	RT Pass	Amount	Recovery	Recovery Pass
TCX	2.0248	2.0260	0.0012	0.0065	OK	30.04	100%	OK
HEXACHLOROBENZENE	2.3532	2.3540	0.0008	0.0085	OK	29.71	99%	OK
A-BHC	2.4437	2.4444	0.0007	0.0094	OK	29.44	98%	OK
G-BHC	2.7117	2.7125	0.0008	0.0110	OK	29.47	98%	OK
B-BHC	2.7715	2.7724	0.0009	0.0108	OK	30.08	100%	OK
D-BHC	3.0054	3.0064	0.0010	0.0122	OK	30.04	100%	OK
HEPTACHLOR	3.0600	3.0610	0.0009	0.0119	OK	27.58	92%	OK
ALDRIN	3.3231	3.3241	0.0010	0.0128	OK	30.04	100%	OK
HEPTACHLOR EPOXIDE	3.7844	3.7853	0.0009	0.0139	OK	30.15	100%	OK
G-CHLORDANE	3.9425	3.9434	0.0009	0.0142	OK	29.81	99%	OK
A-CHLORDANE	4.0613	4.0627	0.0014	0.0145	OK	30.10	100%	OK
ENDOSULFAN I	4.1130	4.1141	0.0011	0.0136	OK	30.18	101%	OK
4,4-DDE	4.1955	4.1974	0.0019	0.0149	OK	29.63	99%	OK
DIELDRIN	4.3419	4.3430	0.0011	0.0151	OK	29.95	100%	OK
ENDRIN	4.6008	4.6021	0.0013	0.0155	OK	29.78	99%	OK
4,4-DDD	4.6885	4.6927	0.0043	0.0147	OK	30.31	101%	OK
ENDOSULFAN II	4.7802	4.7817	0.0015	0.0142	OK	30.28	101%	OK
4,4-DDT	4.9415	4.9445	0.0029	0.0134	OK	28.35	94%	OK
ENDRIN ALDEHYDE	5.0400	5.0415	0.0015	0.0137	OK	29.84	99%	OK
ENODOSULFAN SULFATE	5.2351	5.2363	0.0012	0.0125	OK	30.28	101%	OK
METHOXYCHLOR	5.4159	5.4194	0.0035	0.0113	OK	30.81	103%	OK
ENDRIN KETONE	5.5818	5.5829	0.0011	0.0111	OK	30.94	103%	OK
DCB	6.2533	6.2552	0.0018	0.0115	OK	31.95	106%	OK
TCX #2	1.6986	1.6994	0.0008	0.0029	OK	31.52	105%	OK
HEXACHLOROBENZENE #2	1.9064	1.9073	0.0009	0.0030	OK	31.60	105%	OK
A-BHC #2	1.9986	1.9994	0.0008	0.0027	OK	30.89	103%	OK
G-BHC #2	2.1879	2.1887	0.0008	0.0032	OK	30.79	103%	OK
B-BHC #2	2.2415	2.2424	0.0010	0.0031	OK	31.42	105%	OK
D-BHC #2	2.3578	2.3586	0.0008	0.0035	OK	31.38	105%	OK
HEPTACHLOR #2	2.4963	2.4971	0.0008	0.0030	OK	30.06	100%	OK
ALDRIN #2	2.7018	2.7026	0.0008	0.0033	OK	30.64	102%	OK
HEPTACHLOR EPOXIDE #2	3.1318	3.1328	0.0010	0.0033	OK	30.63	102%	OK
G-CHLORDANE #2	3.2255	3.2265	0.0010	0.0037	OK	30.32	101%	OK
A-CHLORDANE #2	3.3230	3.3241	0.0011	0.0040	OK	30.50	102%	OK
ENDOSULFAN I #2	3.4244	3.4250	0.0006	0.0035	OK	30.18	101%	OK
4,4-DDE #2	3.3885	3.3909	0.0024	0.0035	OK	30.00	100%	OK
DIELDRIN #2	3.6063	3.6076	0.0013	0.0035	OK	29.99	100%	OK
ENDRIN #2	3.7841	3.7852	0.0011	0.0036	OK	30.17	101%	OK
4,4-DDD #2	3.8553	3.8639	0.0086	0.0033	* Marg.	30.18	101%	OK
ENDOSULFAN II #2	3.9607	3.9623	0.0017	0.0037	OK	30.52	102%	OK
4,4-DDT #2	4.0728	4.0773	0.0045	0.0036	* Marg.	28.52	95%	OK
ENDRIN ALDEHYDE #2	4.2936	4.2957	0.0021	0.0032	OK	29.90	100%	OK
ENODOSULFAN SULFATE #2	4.6449	4.6470	0.0021	0.0034	OK	31.09	104%	OK
METHOXYCHLOR #2	4.4809	4.4892	0.0084	0.0028	* Marg.	30.40	101%	OK
ENDRIN KETONE #2	4.8649	4.8667	0.0018	0.0033	OK	31.46	105%	OK
DCB #2	5.5449	5.5476	0.0027	0.0028	OK	31.34	104%	OK

* Peaks are truly
recalculate RT windows

JW 8.16.10
JW 08.25.10

Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L19005SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 3:53 pm
Operator : SMC
Sample : P5429 PEST 30
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 18:16:31 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JS 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	2.025	1.699	95314076	138.4E6	30.040	31.524
Spiked Amount	100.000	Range	46 - 122	Recovery	= 30.04%#	31.52%#
23) S DCB	6.253	5.545	62336125	118.7E6	31.948	31.344
Spiked Amount	100.000	Range	40 - 135	Recovery	= 31.95%#	31.34%#
Target Compounds						
2) TM HEXACHLOR...	2.353	1.906	104.4E6	157.4E6	29.706	31.596
3) TM A-BHC	2.444	1.999	136.7E6	205.9E6	29.442	30.891
4) TM G-BHC	2.712	2.188	124.2E6	185.5E6	29.471	30.794
5) TM B-BHC	2.772	2.241	54885184	79105519	30.083	31.424
6) TM D-BHC	3.005	2.358	124.7E6	187.6E6	30.044	31.383
7) TM HEPTACHLOR	3.060	2.496	102.6E6	180.9E6	27.577	30.057
8) TM ALDRIN	3.323	2.702	104.7E6	172.9E6	30.044	30.636
9) TM HEPTACHLO...	3.784	3.132	99842019	162.4E6	30.148	30.629
10) TM G-CHLORDANE	3.943	3.225	111.4E6	162.8E6	29.805	30.316
11) TM A-CHLORDANE	4.061	3.323	95604218	160.1E6	30.101	30.504
12) TM ENDOSULFAN I	4.113	3.424	89959659	165.6E6	30.183	30.183
13) TM 4,4-DDE	4.195	3.389	95352516	134.6E6	29.626	29.999
14) TM DIELDRIN	4.342	3.606	101.4E6	166.2E6	29.955	29.991
15) TM ENDRIN	4.601	3.784	93277575	155.3E6	29.780	30.165
16) TM 4,4-DDD	4.688	3.855	83766331	125.5E6	30.306	30.177
17) TM ENDOSULFA...	4.780	3.961	92797781	148.1E6	30.277	30.518
18) TM 4,4-DDT	4.942	4.073	80860074	138.0E6	28.346	28.517
19) TM ENDRIN AL...	5.040	4.294	67455173	110.8E6	29.838	29.900
20) TM ENODOSULF...	5.235	4.645	81220130	133.4E6	30.278	31.089
21) TM METHOXYCHLOR	5.416	4.481	45534910	77485380	30.806	30.404
22) TM ENDRIN KE...	5.582	4.865	96509684	164.3E6	30.938	31.462

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

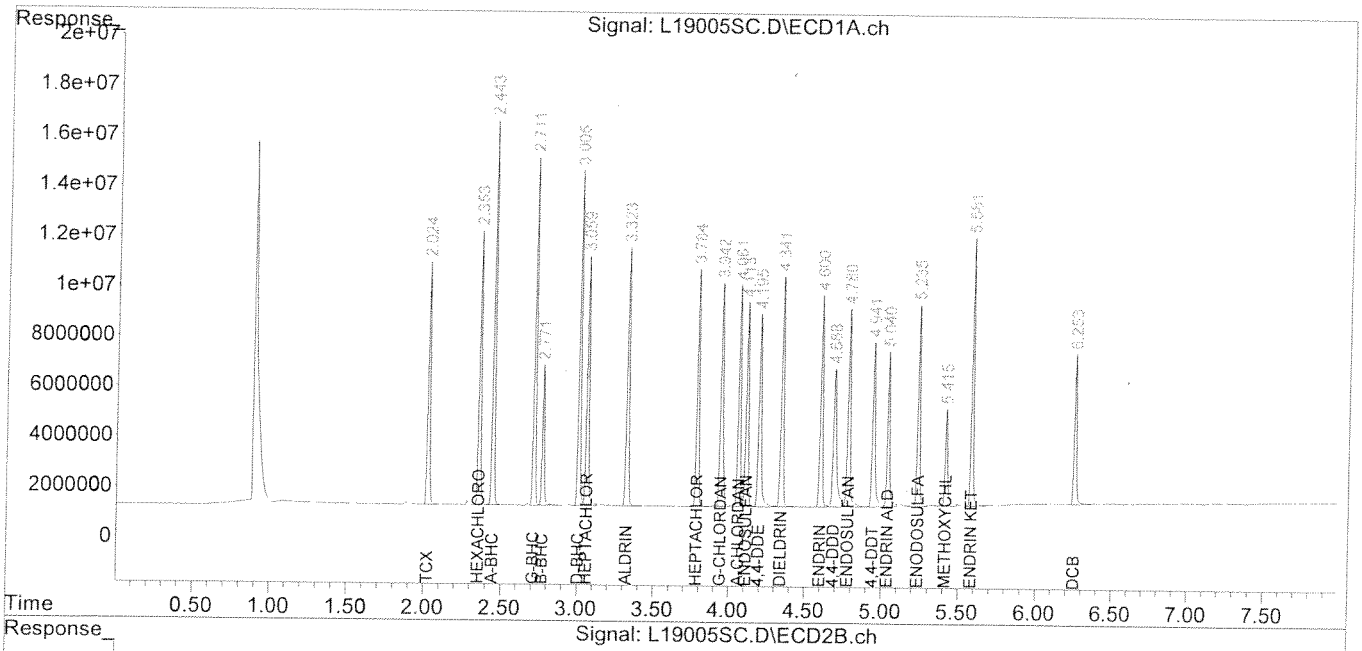
JS 8.16.10

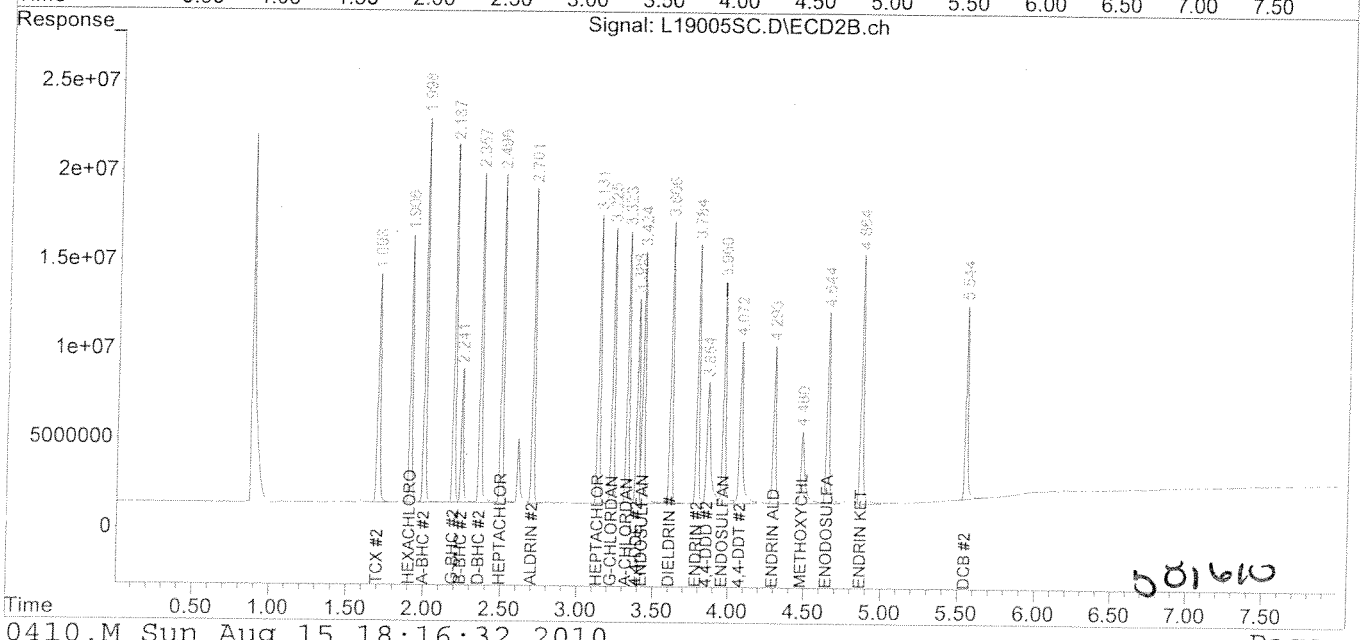
Data Path : C:\msdchem\1\DATA\081510-L\
Data File : L19005SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 10 3:53 pm
Operator : SMC
Sample : P5429 PEST 30
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 15 18:16:31 2010
Quant Method : C:\msdchem\1\METHODS\PT080410.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Aug 15 11:44:01 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 8.16.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





001610

PESTICIDE
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5429 PEST 30	L18975SC.D	8/15/2010 10:54	2.03		6.26		1.70		5.55	
Upper Limit			2.09		6.29		1.76		5.58	
Lower limit			1.97		6.23		1.64		5.52	
SAMPLE ID										
B081110PAS	L18977B.D	8/15/2010 11:15	2.03		6.25		1.70		5.55	
L081110PAST	L18978Q.D	8/15/2010 11:25	2.03		6.25		1.70		5.54	
LD081110PAST	L18979Q.D	8/15/2010 11:35	2.03		6.25		1.70		5.54	
67487-9	L18991.D	8/15/2010 13:39	2.03		6.25		1.70		5.54	
P5429 PEST 30	L18993SC.D	8/15/2010 13:59	2.03		6.25		1.70		5.55	
B081110PAS,RR	L18996B.D	8/15/2010 14:20	2.03		6.25		1.70		5.54	
67494-6	L18997.D	8/15/2010 14:30	2.03		6.25		1.70		5.54	
67494-6,MS	L18998SP.D	8/15/2010 14:41	2.03		6.25		1.70		5.54	
67494-6,MSD	L18999SP.D	8/15/2010 14:51	2.03		6.25		1.70		5.54	
P5429 PEST 30	L19005SC.D	8/15/2010 15:53	2.02		6.25		1.70		5.54	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

analytics environmental laboratory LLC

SUBCONTRACTED REPORTS
&
NARRATIVES

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-60273-2

SDG Number: 67494

Job Description: NASOWEY

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
8/22/2010 1:31 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
08/22/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

Comments
No additional comments.

Receipt
The Chain-of-Custody (COC) was not properly filled out. Sample dates and times were provided upon lab receipt.

All other samples were received in good condition within temperature requirements.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010B	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury (CVAA)	TAL SAV	SW846 7471A	
Preparation, Mercury	TAL SAV		SW846 7471A
Percent Moisture	TAL SAV	EPA Moisture	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Method	Analyst	Analyst ID
SW846 6010B	Bland, Brian	BCB
SW846 7471A	Eaton, Cliff	CE
EPA Moisture	Morgan, Harriet	HM

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-60273-6	67494-5 FDS-6	Solid	08/10/2010 1450	08/12/2010 0850
680-60273-7	67494-6 FDS-5	Solid	08/10/2010 1350	08/12/2010 0850

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Client Sample ID: **67494-5 FDS-6**

Lab Sample ID: 680-60273-6
Client Matrix: Solid

% Moisture: 11.6

Date Sampled: 08/10/2010 1450
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 08/19/2010 0344
Date Prepared: 08/17/2010 1021

Analysis Batch: 680-177640
Prep Batch: 680-177400

Instrument ID: ICPD
Lab File ID: 081810.chr
Initial Weight/Volume: 1.10 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4700		10	21
Antimony		0.54	U	0.54	2.1
Arsenic		1.6	J	0.61	2.1
Barium		15		0.31	1.0
Beryllium		0.45		0.021	0.41
Cadmium		0.10	U	0.10	0.51
Calcium		1200		21	51
Chromium		5.6		0.51	1.0
Cobalt		2.7		0.12	1.0
Copper		5.2		1.1	2.6
Iron		8600		7.2	21
Lead		5.5		0.54	1.0
Magnesium		1800		2.5	51
Manganese		130		0.31	1.0
Nickel		3.9	J	0.32	4.1
Potassium		360		8.2	100
Selenium		1.0	U	1.0	2.6
Silver		0.099	U	0.099	1.0
Sodium		84	U	84	210
Thallium		1.0	U	1.0	2.6
Vanadium		13		0.25	1.0
Zinc		25		1.2	2.1

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 08/21/2010 1354
Date Prepared: 08/19/2010 1322

Analysis Batch: 680-177825
Prep Batch: 680-177671

Instrument ID: LEEMAN1
Lab File ID: b082010c.chr
Initial Weight/Volume: 0.52 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0096	J	0.0089	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Client Sample ID: **67494-6 FDS-5**

Lab Sample ID: 680-60273-7
Client Matrix: Solid

% Moisture: 8.4

Date Sampled: 08/10/2010 1350
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 08/19/2010 0350
Date Prepared: 08/17/2010 1021

Analysis Batch: 680-177640
Prep Batch: 680-177400

Instrument ID: ICPD
Lab File ID: 081810.chr
Initial Weight/Volume: 1.07 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5600	J	10	20
Antimony		0.54	U	0.54	2.0
Arsenic		1.5	J	0.60	2.0
Barium		14		0.31	1.0
Beryllium		0.30	J	0.020	0.41
Cadmium		0.10	U	0.10	0.51
Calcium		1100	J	20	51
Chromium		6.4		0.51	1.0
Cobalt		3.4		0.12	1.0
Copper		6.9		1.1	2.6
Iron		9200	J	7.1	20
Lead		12		0.54	1.0
Magnesium		1800	J	2.4	51
Manganese		150	J	0.31	1.0
Nickel		5.2		0.32	4.1
Potassium		300		8.2	100
Selenium		1.0	U	1.0	2.6
Silver		0.098	U	0.098	1.0
Sodium		84	U	84	200
Thallium		1.0	U	1.0	2.6
Vanadium		13		0.24	1.0
Zinc		24		1.2	2.0

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 08/21/2010 1357
Date Prepared: 08/19/2010 1322

Analysis Batch: 680-177825
Prep Batch: 680-177671

Instrument ID: LEEMAN1
Lab File ID: b082010c.chr
Initial Weight/Volume: 0.52 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	J	0.0086	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

General Chemistry

Client Sample ID: **67494-5 FDS-6**

Lab Sample ID: 680-60273-6
Client Matrix: Solid

Date Sampled: 08/10/2010 1450
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947

DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

General Chemistry

Client Sample ID: **67494-6 FDS-5**

Lab Sample ID: 680-60273-7
Client Matrix: Solid

Date Sampled: 08/10/2010 1350
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.4		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947

DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	U	Undetected at the Limit of Detection.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Method Blank - Batch: 680-177400

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 680-177400/20-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/19/2010 0153
Date Prepared: 08/17/2010 1021

Analysis Batch: 680-177640
Prep Batch: 680-177400
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 081810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Aluminum	10	U	10	20
Antimony	0.53	U	0.53	2.0
Arsenic	0.59	U	0.59	2.0
Barium	0.30	U	0.30	1.0
Beryllium	0.020	U	0.020	0.40
Cadmium	0.10	U	0.10	0.50
Calcium	20	U	20	50
Chromium	0.50	U	0.50	1.0
Cobalt	0.121	J	0.12	1.0
Copper	1.1	U	1.1	2.5
Iron	7.0	U	7.0	20
Lead	0.53	U	0.53	1.0
Magnesium	2.4	U	2.4	50
Manganese	0.30	U	0.30	1.0
Nickel	0.31	U	0.31	4.0
Potassium	8.0	U	8.0	100
Selenium	1.0	U	1.0	2.5
Silver	0.096	U	0.096	1.0
Sodium	82	U	82	200
Thallium	0.99	U	0.99	2.5
Vanadium	0.24	U	0.24	1.0
Zinc	1.2	U	1.2	2.0

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Lab Control Sample - Batch: 680-177400

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 680-177400/21-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/19/2010 0158
Date Prepared: 08/17/2010 1021

Analysis Batch: 680-177640
Prep Batch: 680-177400
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 081810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	214	107	75 - 125	
Antimony	50.0	52.4	105	75 - 125	
Arsenic	200	211	105	75 - 125	
Barium	200	216	108	75 - 125	
Beryllium	5.00	5.29	106	75 - 125	
Cadmium	5.00	5.30	106	75 - 125	
Calcium	500	541	108	75 - 125	
Chromium	20.0	21.5	107	75 - 125	
Cobalt	50.0	54.0	108	75 - 125	
Copper	25.0	26.9	108	75 - 125	
Iron	100	109	109	75 - 125	
Lead	50.0	53.8	108	75 - 125	
Magnesium	500	549	110	75 - 125	
Manganese	50.0	54.6	109	75 - 125	
Nickel	50.0	53.7	107	75 - 125	
Potassium	500	533	107	75 - 125	
Selenium	200	210	105	75 - 125	
Silver	5.00	5.37	107	75 - 125	
Sodium	500	534	107	75 - 125	
Thallium	200	219	109	75 - 125	
Vanadium	50.0	55.4	111	75 - 125	
Zinc	50.0	55.2	110	75 - 125	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-177400

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	680-60273-7	Analysis Batch:	680-177640	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-177400	Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Date Analyzed:	08/19/2010 0406			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

MSD Lab Sample ID:	680-60273-7	Analysis Batch:	680-177640	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-177400	Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Date Analyzed:	08/19/2010 0411			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	901	679	75 - 125	6	20	4	4
Antimony	91	82	75 - 125	10	20		
Arsenic	102	101	75 - 125	1	20		
Barium	106	105	75 - 125	0	20		
Beryllium	104	103	75 - 125	1	20		
Cadmium	103	103	75 - 125	0	20		
Calcium	163	121	75 - 125	11	20	J	
Chromium	111	107	75 - 125	3	20		
Cobalt	106	105	75 - 125	1	20		
Copper	107	106	75 - 125	1	20		
Iron	1790	661	75 - 125	11	20	4	4
Lead	102	103	75 - 125	1	20		
Magnesium	235	127	75 - 125	20	20	J	J
Manganese	161	103	75 - 125	13	20	J	
Nickel	106	104	75 - 125	2	20		
Potassium	114	110	75 - 125	2	20		
Selenium	102	101	75 - 125	0	20		
Silver	107	104	75 - 125	2	20		
Sodium	103	106	75 - 125	2	20		
Thallium	105	105	75 - 125	0	20		
Vanadium	112	108	75 - 125	3	20		
Zinc	114	110	75 - 125	2	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Method Blank - Batch: 680-177671

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 680-177671/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/21/2010 1348
Date Prepared: 08/19/2010 1322

Analysis Batch: 680-177825
Prep Batch: 680-177671
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b082010c.chr
Initial Weight/Volume: 0.51 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0080	U	0.0080	0.020

Lab Control Sample - Batch: 680-177671

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 680-177671/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/20/2010 1510
Date Prepared: 08/19/2010 1322

Analysis Batch: 680-177825
Prep Batch: 680-177671
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b082010c.chr
Initial Weight/Volume: 0.54 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.231	0.265	115	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-177671

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 680-60144-B-1-E MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/20/2010 1516
Date Prepared: 08/19/2010 1322

Analysis Batch: 680-177825
Prep Batch: 680-177671

Instrument ID: LEEMAN1
Lab File ID: b082010c.chr
Initial Weight/Volume: 0.52 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-60144-B-1-F MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/20/2010 1519
Date Prepared: 08/19/2010 1322

Analysis Batch: 680-177825
Prep Batch: 680-177671

Instrument ID: LEEMAN1
Lab File ID: b082010c.chr
Initial Weight/Volume: 0.54 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	91	87	80 - 120	6	20		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-60273-2

SDG Number: 67494

Job Description: NASOWEY

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
8/24/2010 4:48 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
08/24/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

TestAmerica Laboratories, Inc.
TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Table of Contents

Cover Title Page 1

Data Summaries 4

- Report Narrative 4
- Sample Summary 5
- Executive Summary 6
- Method Summary 7
- Method / Analyst Summary 8
- Sample Datasheets 9
- QC Data Summary 13
- Data Qualifiers 21
- QC Association Summary 22
- Lab Chronicle 23

Inorganic Sample Data 26

- Metals Data 26
  - Met Cover Page 27
  - Met Sample Data 28
  - Met QC Data 30
    - Met ICV/CCV 30
    - Met CRQL 35
    - Met Blanks 38
    - Met ICSA/ICSAB 44
    - Met MS/MSD/PDS 48
    - Met LCS/LCSD 53
    - Met Serial Dilution 55
  - Met MDL 56
  - Met Linear Ranges 60

Table of Contents

Met Preparation Log 61

Met Analysis Run Log 63

Met Raw Data 78

Met Prep Data 197

Shipping and Receiving Documents 201

Client Chain of Custody 201

Job Narrative
680-60273-2

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
Method(s) 6010B: Due to the high concentration of aluminum and iron, the matrix spike / matrix spike duplicate (MS/MSD) for batch 680-177400 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 680-177400 were outside control limits for calcium, magnesium, and manganese. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The post digestion spike % recovery for aluminum and iron was outside of control limits.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-60273-6	67494-5 FDS-6	Solid	08/10/2010 1450	08/12/2010 0850
680-60273-7	67494-6 FDS-5	Solid	08/10/2010 1350	08/12/2010 0850

EXECUTIVE SUMMARY - Detections

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
680-60273-6	**67494-5 FDS-6**					
Aluminum		4700		21	mg/Kg	6010B
Arsenic		1.6	J	2.1	mg/Kg	6010B
Barium		15		1.0	mg/Kg	6010B
Beryllium		0.45		0.41	mg/Kg	6010B
Calcium		1200		51	mg/Kg	6010B
Chromium		5.6		1.0	mg/Kg	6010B
Cobalt		2.7		1.0	mg/Kg	6010B
Copper		5.2		2.6	mg/Kg	6010B
Iron		8600		21	mg/Kg	6010B
Lead		5.5		1.0	mg/Kg	6010B
Magnesium		1800		51	mg/Kg	6010B
Manganese		130		1.0	mg/Kg	6010B
Nickel		3.9	J	4.1	mg/Kg	6010B
Potassium		360		100	mg/Kg	6010B
Vanadium		13		1.0	mg/Kg	6010B
Zinc		25		2.1	mg/Kg	6010B
Mercury		0.0096	J	0.022	mg/Kg	7471A
Percent Moisture		12		0.010	%	Moisture
680-60273-7	**67494-6 FDS-5**					
Aluminum		5600	J	20	mg/Kg	6010B
Arsenic		1.5	J	2.0	mg/Kg	6010B
Barium		14		1.0	mg/Kg	6010B
Beryllium		0.30	J	0.41	mg/Kg	6010B
Calcium		1100	J	51	mg/Kg	6010B
Chromium		6.4		1.0	mg/Kg	6010B
Cobalt		3.4		1.0	mg/Kg	6010B
Copper		6.9		2.6	mg/Kg	6010B
Iron		9200	J	20	mg/Kg	6010B
Lead		12		1.0	mg/Kg	6010B
Magnesium		1800	J	51	mg/Kg	6010B
Manganese		150	J	1.0	mg/Kg	6010B
Nickel		5.2		4.1	mg/Kg	6010B
Potassium		300		100	mg/Kg	6010B
Vanadium		13		1.0	mg/Kg	6010B
Zinc		24		2.0	mg/Kg	6010B
Mercury		0.017	J	0.021	mg/Kg	7471A
Percent Moisture		8.4		0.010	%	Moisture

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010B	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury (CVAA)	TAL SAV	SW846 7471A	
Preparation, Mercury	TAL SAV		SW846 7471A
Percent Moisture	TAL SAV	EPA Moisture	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Method	Analyst	Analyst ID
SW846 6010B	Bland, Brian	BCB
SW846 7471A	Eaton, Cliff	CE
EPA Moisture	Morgan, Harriet	HM

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Client Sample ID: **67494-5 FDS-6**

Lab Sample ID: 680-60273-6
Client Matrix: Solid
% Moisture: 11.6

Date Sampled: 08/10/2010 1450
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 08/19/2010 0344
Date Prepared: 08/17/2010 1021

Analysis Batch: 680-177640
Prep Batch: 680-177400

Instrument ID: ICPD
Lab File ID: 081810.chr
Initial Weight/Volume: 1.10 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4700		10	21
Antimony		0.54	U	0.54	2.1
Arsenic		1.6	J	0.61	2.1
Barium		15		0.31	1.0
Beryllium		0.45		0.021	0.41
Cadmium		0.10	U	0.10	0.51
Calcium		1200		21	51
Chromium		5.6		0.51	1.0
Cobalt		2.7		0.12	1.0
Copper		5.2		1.1	2.6
Iron		8600		7.2	21
Lead		5.5		0.54	1.0
Magnesium		1800		2.5	51
Manganese		130		0.31	1.0
Nickel		3.9	J	0.32	4.1
Potassium		360		8.2	100
Selenium		1.0	U	1.0	2.6
Silver		0.099	U	0.099	1.0
Sodium		84	U	84	210
Thallium		1.0	U	1.0	2.6
Vanadium		13		0.25	1.0
Zinc		25		1.2	2.1

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 08/21/2010 1354
Date Prepared: 08/19/2010 1322

Analysis Batch: 680-177825
Prep Batch: 680-177671

Instrument ID: LEEMAN1
Lab File ID: b082010c.chr
Initial Weight/Volume: 0.52 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0096	J	0.0089	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Client Sample ID: **67494-6 FDS-5**

Lab Sample ID: 680-60273-7
Client Matrix: Solid
% Moisture: 8.4

Date Sampled: 08/10/2010 1350
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-177640		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-177400		Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Date Analyzed:	08/19/2010 0350			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5600	J	10	20
Antimony		0.54	U	0.54	2.0
Arsenic		1.5	J	0.60	2.0
Barium		14		0.31	1.0
Beryllium		0.30	J	0.020	0.41
Cadmium		0.10	U	0.10	0.51
Calcium		1100	J	20	51
Chromium		6.4		0.51	1.0
Cobalt		3.4		0.12	1.0
Copper		6.9		1.1	2.6
Iron		9200	J	7.1	20
Lead		12		0.54	1.0
Magnesium		1800	J	2.4	51
Manganese		150	J	0.31	1.0
Nickel		5.2		0.32	4.1
Potassium		300		8.2	100
Selenium		1.0	U	1.0	2.6
Silver		0.098	U	0.098	1.0
Sodium		84	U	84	200
Thallium		1.0	U	1.0	2.6
Vanadium		13		0.24	1.0
Zinc		24		1.2	2.0

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 680-177825		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-177671		Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	08/21/2010 1357			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.017	J	0.0086	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

General Chemistry

Client Sample ID: **67494-5 FDS-6**

Lab Sample ID: 680-60273-6
Client Matrix: Solid

Date Sampled: 08/10/2010 1450
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

General Chemistry

Client Sample ID: **67494-6 FDS-5**

Lab Sample ID: 680-60273-7
Client Matrix: Solid

Date Sampled: 08/10/2010 1350
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.4		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947 DryWt Corrected: N

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Method Blank - Batch: 680-177400

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 680-177400/20-A	Analysis Batch:	680-177640	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-177400	Lab File ID:	081810.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	08/19/2010 0153			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	Result	Qual	MDL	RL
Aluminum	10	U	10	20
Antimony	0.53	U	0.53	2.0
Arsenic	0.59	U	0.59	2.0
Barium	0.30	U	0.30	1.0
Beryllium	0.020	U	0.020	0.40
Cadmium	0.10	U	0.10	0.50
Calcium	20	U	20	50
Chromium	0.50	U	0.50	1.0
Cobalt	0.121	J	0.12	1.0
Copper	1.1	U	1.1	2.5
Iron	7.0	U	7.0	20
Lead	0.53	U	0.53	1.0
Magnesium	2.4	U	2.4	50
Manganese	0.30	U	0.30	1.0
Nickel	0.31	U	0.31	4.0
Potassium	8.0	U	8.0	100
Selenium	1.0	U	1.0	2.5
Silver	0.096	U	0.096	1.0
Sodium	82	U	82	200
Thallium	0.99	U	0.99	2.5
Vanadium	0.24	U	0.24	1.0
Zinc	1.2	U	1.2	2.0

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Lab Control Sample - Batch: 680-177400

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 680-177400/21-A	Analysis Batch:	680-177640	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-177400	Lab File ID:	081810.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	08/19/2010 0158			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	214	107	75 - 125	
Antimony	50.0	52.4	105	75 - 125	
Arsenic	200	211	105	75 - 125	
Barium	200	216	108	75 - 125	
Beryllium	5.00	5.29	106	75 - 125	
Cadmium	5.00	5.30	106	75 - 125	
Calcium	500	541	108	75 - 125	
Chromium	20.0	21.5	107	75 - 125	
Cobalt	50.0	54.0	108	75 - 125	
Copper	25.0	26.9	108	75 - 125	
Iron	100	109	109	75 - 125	
Lead	50.0	53.8	108	75 - 125	
Magnesium	500	549	110	75 - 125	
Manganese	50.0	54.6	109	75 - 125	
Nickel	50.0	53.7	107	75 - 125	
Potassium	500	533	107	75 - 125	
Selenium	200	210	105	75 - 125	
Silver	5.00	5.37	107	75 - 125	
Sodium	500	534	107	75 - 125	
Thallium	200	219	109	75 - 125	
Vanadium	50.0	55.4	111	75 - 125	
Zinc	50.0	55.2	110	75 - 125	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Post Digestion Spike - Batch: 680-177400

Method: 6010B
Preparation: 3050B

Lab Sample ID: 680-60273-7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/19/2010 0400
Date Prepared: 08/17/2010 1021

Analysis Batch: 680-177640
Prep Batch: 680-177400
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 081810.chr
Initial Weight/Volume: 1.07 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	5600		204	5710	67	75 - 125	J
Antimony	0.54	U	51.0	49.2	96	75 - 125	
Arsenic	1.5	J	204	200	97	75 - 125	
Barium	14		204	216	99	75 - 125	
Beryllium	0.30	J	5.10	5.31	98	75 - 125	
Cadmium	0.10	U	5.10	4.99	98	75 - 125	
Calcium	1100		510	1660	101	75 - 125	
Chromium	6.4		20.4	26.6	99	75 - 125	
Cobalt	3.4		51.0	54.1	99	75 - 125	
Copper	6.9		25.5	31.9	98	75 - 125	
Iron	9200		102	9180	2	75 - 125	J
Lead	12		51.0	61.7	98	75 - 125	
Magnesium	1800		510	2280	104	75 - 125	
Manganese	150		51.0	203	97	75 - 125	
Nickel	5.2		51.0	55.1	98	75 - 125	
Potassium	300		510	846	107	75 - 125	
Selenium	1.0	U	204	198	97	75 - 125	
Silver	0.098	U	5.10	4.34	85	75 - 125	
Sodium	84	U	510	524	103	75 - 125	
Thallium	1.0	U	204	205	100	75 - 125	
Vanadium	13		51.0	64.5	101	75 - 125	
Zinc	24		51.0	75.1	100	75 - 125	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-177400

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	680-60273-7	Analysis Batch:	680-177640	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-177400	Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Date Analyzed:	08/19/2010 0406			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

MSD Lab Sample ID:	680-60273-7	Analysis Batch:	680-177640	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-177400	Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Date Analyzed:	08/19/2010 0411			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	901	679	75 - 125	6	20	4	4
Antimony	91	82	75 - 125	10	20		
Arsenic	102	101	75 - 125	1	20		
Barium	106	105	75 - 125	0	20		
Beryllium	104	103	75 - 125	1	20		
Cadmium	103	103	75 - 125	0	20		
Calcium	163	121	75 - 125	11	20	J	
Chromium	111	107	75 - 125	3	20		
Cobalt	106	105	75 - 125	1	20		
Copper	107	106	75 - 125	1	20		
Iron	1790	661	75 - 125	11	20	4	4
Lead	102	103	75 - 125	1	20		
Magnesium	235	127	75 - 125	20	20	J	J
Manganese	161	103	75 - 125	13	20	J	
Nickel	106	104	75 - 125	2	20		
Potassium	114	110	75 - 125	2	20		
Selenium	102	101	75 - 125	0	20		
Silver	107	104	75 - 125	2	20		
Sodium	103	106	75 - 125	2	20		
Thallium	105	105	75 - 125	0	20		
Vanadium	112	108	75 - 125	3	20		
Zinc	114	110	75 - 125	2	20		

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-177400

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	680-60273-7	Units: mg/Kg	MSD Lab Sample ID:	680-60273-7
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	08/19/2010 0406		Date Analyzed:	08/19/2010 0411
Date Prepared:	08/17/2010 1021		Date Prepared:	08/17/2010 1021

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aluminum	5600		204	204	7410	4	6960	4
Antimony	0.54	U	51.0	51.0	46.4		41.9	
Arsenic	1.5	J	204	204	210		207	
Barium	14		204	204	230		229	
Beryllium	0.30	J	5.10	5.10	5.61		5.57	
Cadmium	0.10	U	5.10	5.10	5.24		5.23	
Calcium	1100		510	510	1970	J	1760	
Chromium	6.4		20.4	20.4	29.1		28.2	
Cobalt	3.4		51.0	51.0	57.3		56.8	
Copper	6.9		25.5	25.5	34.3		33.9	
Iron	9200		102	102	11000	4	9850	4
Lead	12		51.0	51.0	64.0		64.4	
Magnesium	1800		510	510	2950	J	2410	J
Manganese	150		51.0	51.0	235	J	206	
Nickel	5.2		51.0	51.0	59.2		58.0	
Potassium	300		510	510	883		862	
Selenium	1.0	U	204	204	207		207	
Silver	0.098	U	5.10	5.10	5.46		5.32	
Sodium	84	U	510	510	527		541	
Thallium	1.0	U	204	204	214		213	
Vanadium	13		51.0	51.0	70.4		68.0	
Zinc	24		51.0	51.0	82.0		80.3	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Serial Dilution - Batch: 680-177400

Method: 6010B
Preparation: 3050B

Lab Sample ID: 680-60273-7
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 08/19/2010 0355
Date Prepared: 08/17/2010 1021

Analysis Batch: 680-177640
Prep Batch: 680-177400
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 081810.chr
Initial Weight/Volume: 1.07 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	5600		5500	1.3	10	
Antimony	0.54	U	2.7	NC	10	U
Arsenic	1.5	J	3.0	NC	10	U
Barium	14		14.3	NC	10	
Beryllium	0.30	J	0.344	NC	10	J
Cadmium	0.10	U	0.51	NC	10	U
Calcium	1100		1150	0.63	10	
Chromium	6.4		6.52	NC	10	
Cobalt	3.4		3.44	NC	10	J
Copper	6.9		6.63	NC	10	J
Iron	9200		9190	0.10	10	
Lead	12		12.0	NC	10	
Magnesium	1800		1750	0.18	10	
Manganese	150		154	0.20	10	
Nickel	5.2		4.55	NC	10	J
Potassium	300		289	NC	10	J
Selenium	1.0	U	5.1	NC	10	U
Silver	0.098	U	0.49	NC	10	U
Sodium	84	U	420	NC	10	U
Thallium	1.0	U	5.0	NC	10	U
Vanadium	13		13.5	2.8	10	
Zinc	24		24.6	NC	10	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Method Blank - Batch: 680-177671

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 680-177671/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/21/2010 1348
Date Prepared: 08/19/2010 1322

Analysis Batch: 680-177825
Prep Batch: 680-177671
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b082010c.chr
Initial Weight/Volume: 0.51 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0080	U	0.0080	0.020

Lab Control Sample - Batch: 680-177671

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 680-177671/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/20/2010 1510
Date Prepared: 08/19/2010 1322

Analysis Batch: 680-177825
Prep Batch: 680-177671
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b082010c.chr
Initial Weight/Volume: 0.54 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.231	0.265	115	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-177671

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 680-60144-B-1-E MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/20/2010 1516
Date Prepared: 08/19/2010 1322

Analysis Batch: 680-177825
Prep Batch: 680-177671

Instrument ID: LEEMAN1
Lab File ID: b082010c.chr
Initial Weight/Volume: 0.52 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-60144-B-1-F MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/20/2010 1519
Date Prepared: 08/19/2010 1322

Analysis Batch: 680-177825
Prep Batch: 680-177671

Instrument ID: LEEMAN1
Lab File ID: b082010c.chr
Initial Weight/Volume: 0.54 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	91	87	80 - 120	6	20		

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-177671

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	680-60144-B-1-E MS	Units: mg/Kg	MSD Lab Sample ID:	680-60144-B-1-F MSD
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	08/20/2010 1516		Date Analyzed:	08/20/2010 1519
Date Prepared:	08/19/2010 1322		Date Prepared:	08/19/2010 1322

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.041	0.147	0.141	0.175	0.164

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	U	Undetected at the Limit of Detection.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
Sdg Number: 67494

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-177400					
LCS 680-177400/21-A	Lab Control Sample	T	Solid	3050B	
MB 680-177400/20-A	Method Blank	T	Solid	3050B	
680-60273-6	67494-5 FDS-6	T	Solid	3050B	
680-60273-7	67494-6 FDS-5	T	Solid	3050B	
680-60273-7MS	Matrix Spike	T	Solid	3050B	
680-60273-7MSD	Matrix Spike Duplicate	T	Solid	3050B	
Analysis Batch:680-177640					
LCS 680-177400/21-A	Lab Control Sample	T	Solid	6010B	680-177400
MB 680-177400/20-A	Method Blank	T	Solid	6010B	680-177400
680-60273-6	67494-5 FDS-6	T	Solid	6010B	680-177400
680-60273-7	67494-6 FDS-5	T	Solid	6010B	680-177400
680-60273-7MS	Matrix Spike	T	Solid	6010B	680-177400
680-60273-7MSD	Matrix Spike Duplicate	T	Solid	6010B	680-177400
Prep Batch: 680-177671					
LCS 680-177671/2-A	Lab Control Sample	T	Solid	7471A	
MB 680-177671/1-A	Method Blank	T	Solid	7471A	
680-60144-B-1-E MS	Matrix Spike	T	Solid	7471A	
680-60144-B-1-F MSD	Matrix Spike Duplicate	T	Solid	7471A	
680-60273-6	67494-5 FDS-6	T	Solid	7471A	
680-60273-7	67494-6 FDS-5	T	Solid	7471A	
Analysis Batch:680-177825					
LCS 680-177671/2-A	Lab Control Sample	T	Solid	7471A	680-177671
MB 680-177671/1-A	Method Blank	T	Solid	7471A	680-177671
680-60144-B-1-E MS	Matrix Spike	T	Solid	7471A	680-177671
680-60144-B-1-F MSD	Matrix Spike Duplicate	T	Solid	7471A	680-177671
680-60273-6	67494-5 FDS-6	T	Solid	7471A	680-177671
680-60273-7	67494-6 FDS-5	T	Solid	7471A	680-177671

Report Basis
T = Total

General Chemistry

Analysis Batch:680-177393					
680-60144-B-1 MS	Matrix Spike	T	Solid	Moisture	
680-60144-B-1 MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-60273-6	67494-5 FDS-6	T	Solid	Moisture	
680-60273-7	67494-6 FDS-5	T	Solid	Moisture	

Report Basis
T = Total

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
SDG: 67494

Laboratory Chronicle

Lab ID: **680-60273-6** **Client ID:** **67494-5 FDS-6**

Sample Date/Time: 08/10/2010 14:50 Received Date/Time: 08/12/2010 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-60273-A-6-A		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	680-60273-A-6-A		680-177640	680-177400	08/19/2010 03:44	1	TAL SAV	BCB
P:7471A	680-60273-A-6-B		680-177825	680-177671	08/19/2010 13:22	1	TAL SAV	JV
A:7471A	680-60273-A-6-B		680-177825	680-177671	08/21/2010 13:54	1	TAL SAV	CE
A:Moisture	680-60273-A-6		680-177393		08/17/2010 09:47	1	TAL SAV	HM

Lab ID: **680-60273-7** **Client ID:** **67494-6 FDS-5**

Sample Date/Time: 08/10/2010 13:50 Received Date/Time: 08/12/2010 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-60273-A-7-A		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	680-60273-A-7-A		680-177640	680-177400	08/19/2010 03:50	1	TAL SAV	BCB
P:7471A	680-60273-A-7-D		680-177825	680-177671	08/19/2010 13:22	1	TAL SAV	JV
A:7471A	680-60273-A-7-D		680-177825	680-177671	08/21/2010 13:57	1	TAL SAV	CE
A:Moisture	680-60273-A-7		680-177393		08/17/2010 09:47	1	TAL SAV	HM

Lab ID: **680-60273-7 MS** **Client ID:** **67494-6 FDS-5**

Sample Date/Time: 08/10/2010 13:50 Received Date/Time: 08/12/2010 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-60273-A-7-B MS		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	680-60273-A-7-B MS		680-177640	680-177400	08/19/2010 04:06	1	TAL SAV	BCB

Lab ID: **680-60273-7 MSD** **Client ID:** **67494-6 FDS-5**

Sample Date/Time: 08/10/2010 13:50 Received Date/Time: 08/12/2010 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-60273-A-7-C MSD		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	680-60273-A-7-C MSD		680-177640	680-177400	08/19/2010 04:11	1	TAL SAV	BCB

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
SDG: 67494

Laboratory Chronicle

Lab ID: **680-60273-7 SD** **Client ID:** **67494-6 FDS-5**

Sample Date/Time: 08/10/2010 13:50 Received Date/Time: 08/12/2010 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-60273-A-7-A SD		680-177640	680-177400	08/17/2010 10:21	5	TAL SAV	HM
A:6010B	680-60273-A-7-A SD		680-177640	680-177400	08/19/2010 03:55	5	TAL SAV	BCB
P:3050B	680-60273-A-7-A PDS		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	680-60273-A-7-A PDS		680-177640	680-177400	08/19/2010 04:00	1	TAL SAV	BCB

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	MB 680-177400/20-A		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	MB 680-177400/20-A		680-177640	680-177400	08/19/2010 01:53	1	TAL SAV	BCB
P:7471A	MB 680-177671/1-A		680-177825	680-177671	08/19/2010 13:22	1	TAL SAV	JV
A:7471A	MB 680-177671/1-A		680-177825	680-177671	08/21/2010 13:48	1	TAL SAV	CE

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCS 680-177400/21-A		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	LCS 680-177400/21-A		680-177640	680-177400	08/19/2010 01:58	1	TAL SAV	BCB
P:7471A	LCS 680-177671/2-A		680-177825	680-177671	08/19/2010 13:22	1	TAL SAV	JV
A:7471A	LCS 680-177671/2-A		680-177825	680-177671	08/20/2010 15:10	1	TAL SAV	CE

Lab ID: **MS** **Client ID:** **N/A**

Sample Date/Time: 08/05/2010 11:45 Received Date/Time: 08/06/2010 09:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	680-60144-B-1-E MS		680-177825	680-177671	08/19/2010 13:22	1	TAL SAV	JV
A:7471A	680-60144-B-1-E MS		680-177825	680-177671	08/20/2010 15:16	1	TAL SAV	CE
A:Moisture	680-60144-B-1 MS		680-177393		08/17/2010 09:47	1	TAL SAV	HM

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-2
SDG: 67494

Laboratory Chronicle

Lab ID: **MSD** **Client ID:** **N/A**

Sample Date/Time: 08/05/2010 11:45 Received Date/Time: 08/06/2010 09:42

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	680-60144-B-1-F MSD		680-177825	680-177671	08/19/2010 13:22	1	TAL SAV	JV
A:7471A	680-60144-B-1-F MSD		680-177825	680-177671	08/20/2010 15:19	1	TAL SAV	CE
A:Moisture	680-60144-B-1 MSD		680-177393		08/17/2010 09:47	1	TAL SAV	HM

Lab References:
TAL SAV = TestAmerica Savannah

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-60273-2

SDG No.: 67494

Project: NASOWEY

Client Sample ID	Lab Sample ID
67494-5 FDS-6	680-60273-6
67494-6 FDS-5	680-60273-7

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 67494-5 FDS-6
Lab Sample ID: 680-60273-6
Lab Name: TestAmerica Savannah
Job No.: 680-60273-2
SDG ID.: 67494
Matrix: Solid
Date Sampled: 08/10/2010 14:50
Reporting Basis: DRY
Date Received: 08/12/2010 08:50
% Solids: 88.4

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4700	21	10	mg/Kg			1	6010B
7440-36-0	Antimony	0.54	2.1	0.54	mg/Kg	U		1	6010B
7440-38-2	Arsenic	1.6	2.1	0.61	mg/Kg	J		1	6010B
7440-39-3	Barium	15	1.0	0.31	mg/Kg			1	6010B
7440-41-7	Beryllium	0.45	0.41	0.021	mg/Kg			1	6010B
7440-43-9	Cadmium	0.10	0.51	0.10	mg/Kg	U		1	6010B
7440-70-2	Calcium	1200	51	21	mg/Kg			1	6010B
7440-47-3	Chromium	5.6	1.0	0.51	mg/Kg			1	6010B
7440-48-4	Cobalt	2.7	1.0	0.12	mg/Kg			1	6010B
7440-50-8	Copper	5.2	2.6	1.1	mg/Kg			1	6010B
7439-89-6	Iron	8600	21	7.2	mg/Kg			1	6010B
7439-92-1	Lead	5.5	1.0	0.54	mg/Kg			1	6010B
7439-95-4	Magnesium	1800	51	2.5	mg/Kg			1	6010B
7439-96-5	Manganese	130	1.0	0.31	mg/Kg			1	6010B
7440-02-0	Nickel	3.9	4.1	0.32	mg/Kg	J		1	6010B
7440-09-7	Potassium	360	100	8.2	mg/Kg			1	6010B
7782-49-2	Selenium	1.0	2.6	1.0	mg/Kg	U		1	6010B
7440-22-4	Silver	0.099	1.0	0.099	mg/Kg	U		1	6010B
7440-23-5	Sodium	84	210	84	mg/Kg	U		1	6010B
7440-28-0	Thallium	1.0	2.6	1.0	mg/Kg	U		1	6010B
7440-62-2	Vanadium	13	1.0	0.25	mg/Kg			1	6010B
7440-66-6	Zinc	25	2.1	1.2	mg/Kg			1	6010B
7439-97-6	Mercury	0.0096	0.022	0.0089	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 67494-6 FDS-5
Lab Sample ID: 680-60273-7
Lab Name: TestAmerica Savannah
Job No.: 680-60273-2
SDG ID.: 67494
Matrix: Solid
Date Sampled: 08/10/2010 13:50
Reporting Basis: DRY
Date Received: 08/12/2010 08:50
% Solids: 91.6

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5600	20	10	mg/Kg		J	1	6010B
7440-36-0	Antimony	0.54	2.0	0.54	mg/Kg	U		1	6010B
7440-38-2	Arsenic	1.5	2.0	0.60	mg/Kg	J		1	6010B
7440-39-3	Barium	14	1.0	0.31	mg/Kg			1	6010B
7440-41-7	Beryllium	0.30	0.41	0.020	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.10	0.51	0.10	mg/Kg	U		1	6010B
7440-70-2	Calcium	1100	51	20	mg/Kg		J	1	6010B
7440-47-3	Chromium	6.4	1.0	0.51	mg/Kg			1	6010B
7440-48-4	Cobalt	3.4	1.0	0.12	mg/Kg			1	6010B
7440-50-8	Copper	6.9	2.6	1.1	mg/Kg			1	6010B
7439-89-6	Iron	9200	20	7.1	mg/Kg		J	1	6010B
7439-92-1	Lead	12	1.0	0.54	mg/Kg			1	6010B
7439-95-4	Magnesium	1800	51	2.4	mg/Kg		J	1	6010B
7439-96-5	Manganese	150	1.0	0.31	mg/Kg		J	1	6010B
7440-02-0	Nickel	5.2	4.1	0.32	mg/Kg			1	6010B
7440-09-7	Potassium	300	100	8.2	mg/Kg			1	6010B
7782-49-2	Selenium	1.0	2.6	1.0	mg/Kg	U		1	6010B
7440-22-4	Silver	0.098	1.0	0.098	mg/Kg	U		1	6010B
7440-23-5	Sodium	84	200	84	mg/Kg	U		1	6010B
7440-28-0	Thallium	1.0	2.6	1.0	mg/Kg	U		1	6010B
7440-62-2	Vanadium	13	1.0	0.24	mg/Kg			1	6010B
7440-66-6	Zinc	24	2.0	1.2	mg/Kg			1	6010B
7439-97-6	Mercury	0.017	0.021	0.0086	mg/Kg	J		1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	ICV 680-177640/4 08/18/2010 17:20				CCV 680-177640/9 08/18/2010 17:45				CCV 680-177640/90 08/19/2010 01:09			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	1030		1000	103	5100		5000	102	5000		5000	100
Antimony	996		1000	100	518		500	104	490		500	98
Arsenic	1040		1000	104	516		500	103	495		500	99
Barium	1020		1000	102	5180		5000	104	4960		5000	99
Beryllium	1030		1000	103	521		500	104	494		500	99
Cadmium	1040		1000	104	520		500	104	490		500	98
Calcium	1060		1000	106	5360		5000	107	5130		5000	103
Chromium	1040		1000	104	5210		5000	104	4970		5000	99
Cobalt	1030		1000	103	519		500	104	501		500	100
Copper	1020		1000	102	5120		5000	102	4950		5000	99
Iron	1020		1000	102	5210		5000	104	4990		5000	100
Lead	1040		1000	104	526		500	105	504		500	101
Magnesium	1070		1000	107	5350		5000	107	5210		5000	104
Manganese	1040		1000	104	5230		5000	105	5050		5000	101
Nickel	1040		1000	104	2590		2500	104	2500		2500	100
Potassium	20200		20000	101	10300		10000	103	10300		10000	103
Selenium	1050		1000	105	5230		5000	105	4910		5000	98
Silver	1010		1000	101	516		500	103	495		500	99
Sodium	10200		10000	102	7630		7500	102	7670		7500	102
Thallium	1030		1000	103	5220		5000	104	4950		5000	99
Vanadium	1050		1000	105	5350		5000	107	5200		5000	104
Zinc	1050		1000	105	2630		2500	105	2550		2500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	CCV 680-177640/102 08/19/2010 02:14				CCV 680-177640/114 08/19/2010 03:18				CCV 680-177640/125 08/19/2010 04:19			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	5030		5000	101	4980		5000	100	5040		5000	101
Antimony	497		500	99	488		500	98	497		500	99
Arsenic	501		500	100	494		500	99	504		500	101
Barium	4970		5000	99	4970		5000	99	5030		5000	101
Beryllium	498		500	100	497		500	99	504		500	101
Cadmium	492		500	98	493		500	99	498		500	100
Calcium	5210		5000	104	5130		5000	103	5190		5000	104
Chromium	5000		5000	100	4990		5000	100	5050		5000	101
Cobalt	503		500	101	501		500	100	508		500	102
Copper	4960		5000	99	4960		5000	99	5020		5000	100
Iron	4990		5000	100	4980		5000	100	5040		5000	101
Lead	508		500	102	507		500	101	512		500	102
Magnesium	5230		5000	105	5200		5000	104	5270		5000	105
Manganese	5070		5000	101	5060		5000	101	5120		5000	102
Nickel	2510		2500	100	2500		2500	100	2530		2500	101
Potassium	10400		10000	104	10300		10000	103	10500		10000	105
Selenium	4950		5000	99	4920		5000	98	4970		5000	99
Silver	497		500	99	497		500	99	504		500	101
Sodium	7620		7500	102	7540		7500	101	7630		7500	102
Thallium	4970		5000	99	4970		5000	99	5040		5000	101
Vanadium	5210		5000	104	5180		5000	104	5250		5000	105
Zinc	2560		2500	102	2540		2500	102	2570		2500	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	CCV 680-177640/132 08/19/2010 09:50				CCV 680-177640/140 08/19/2010 10:47							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4920		5000	98	4920		5000	98				
Antimony	481		500	96	494		500	99				
Arsenic	494		500	99	492		500	98				
Barium	4850		5000	97	4940		5000	99				
Beryllium	485		500	97	495		500	99				
Cadmium	478		500	96	491		500	98				
Calcium	5040		5000	101	5140		5000	103				
Chromium	4870		5000	97	4970		5000	99				
Cobalt	491		500	98	500		500	100				
Copper	4860		5000	97	4920		5000	98				
Iron	4860		5000	97	4970		5000	99				
Lead	494		500	99	503		500	101				
Magnesium	5110		5000	102	5190		5000	104				
Manganese	4940		5000	99	5020		5000	100				
Nickel	2450		2500	98	2500		2500	100				
Potassium	10200		10000	102	10300		10000	103				
Selenium	4800		5000	96	4900		5000	98				
Silver	486		500	97	493		500	99				
Sodium	7370		7500	98	7470		7500	100				
Thallium	4840		5000	97	4950		5000	99				
Vanadium	5090		5000	102	5160		5000	103				
Zinc	2500		2500	100	2540		2500	102				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

ICV Source: HG_ICV_std_00101 Concentration Units: ug/L

CCV Source: HG_CCV_std_00114

Analyte	ICV 680-177825/8 08/20/2010 13:26				CCV 680-177825/11 08/20/2010 13:38				CCV 680-177825/23 08/20/2010 14:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.72		3.00	91	2.19		2.50	88	2.54		2.50	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

ICV Source: HG_ICV_std_00101 Concentration Units: ug/L

CCV Source: HG_CCV_std_00114

Analyte	CCV 680-177825/35 08/20/2010 14:50				CCV 680-177825/47 08/20/2010 15:24							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.60		2.50	104	2.60		2.50	104				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Analysis Method: 6010B Instrument ID: ICPD

Lab Sample ID: CRI 680-177640/6 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00044

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	205		103	50-150
Antimony	20.0	19.5	J	98	50-150
Arsenic	20.0	20.4		102	50-150
Barium	10.0	10.3		103	50-150
Beryllium	4.00	4.06		102	50-150
Cadmium	5.00	4.84	J	97	50-150
Calcium	500	514		103	50-150
Chromium	10.0	10.3		103	50-150
Cobalt	10.0	11.0		110	50-150
Copper	20.0	20.9		105	50-150
Iron	50.0	70	U	92	50-150
Lead	10.0	9.19	J	92	50-150
Magnesium	500	526		105	50-150
Manganese	10.0	10.3		103	50-150
Nickel	40.0	40.3		101	50-150
Potassium	1000	1000		100	50-150
Selenium	20.0	22.6	J	113	50-150
Silver	10.0	10.4		104	50-150
Sodium	1000	926	J	93	50-150
Thallium	25.0	25.7		103	50-150
Vanadium	10.0	10.2		102	50-150
Zinc	20.0	21.0		105	50-150

Lab Sample ID: CRI 680-177640/137 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00044

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	179	J	90	50-150
Antimony	20.0	16.8	J	84	50-150
Arsenic	20.0	20.8		104	50-150
Barium	10.0	10.2		102	50-150
Beryllium	4.00	4.10		103	50-150
Cadmium	5.00	4.96	J	99	50-150
Calcium	500	518		104	50-150
Chromium	10.0	9.96	J	100	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Analysis Method: 6010B Instrument ID: ICPD

Lab Sample ID: CRI 680-177640/137 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00044

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Cobalt	10.0	10.7		107	50-150
Copper	20.0	21.1		105	50-150
Iron	50.0	70	U	80	50-150
Lead	10.0	8.37	J	84	50-150
Magnesium	500	530		106	50-150
Manganese	10.0	10.2		102	50-150
Nickel	40.0	41.8		104	50-150
Potassium	1000	1030		103	50-150
Selenium	20.0	20.2	J	101	50-150
Silver	10.0	10.7		107	50-150
Sodium	1000	1090	J	109	50-150
Thallium	25.0	23.1	J	92	50-150
Vanadium	10.0	10.4		104	50-150
Zinc	20.0	20.7		103	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Analysis Method: 7471A Instrument ID: LEEMAN1

Lab Sample ID: CRA 680-177825/13 Concentration Units: ug/L

CRQL Check Standard Source: HG_0.2_std_00101

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.196	J	98	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Concentration Units: ug/L

Analyte	RL	ICB 680-177640/5 08/18/2010 17:27		CCB 680-177640/10 08/18/2010 17:57		CCB 680-177640/91 08/19/2010 01:14		CCB 680-177640/103 08/19/2010 02:19	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	100	U	100	U	100	U	100	U
Antimony	20	5.3	U	5.3	U	5.3	U	5.3	U
Arsenic	20	5.9	U	5.9	U	5.9	U	5.9	U
Barium	10	3.0	U	3.0	U	3.0	U	3.0	U
Beryllium	4.0	0.20	U	0.20	U	0.228	J	0.205	J
Cadmium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	500	200	U	200	U	200	U	200	U
Chromium	10	5.0	U	5.0	U	5.0	U	5.0	U
Cobalt	10	1.2	U	1.2	U	1.2	U	1.2	U
Copper	20	11	U	11	U	11	U	11	U
Iron	200	70	U	70	U	70	U	70	U
Lead	10	5.3	U	5.3	U	5.3	U	5.3	U
Magnesium	500	24	U	24	U	24	U	24	U
Manganese	10	3.0	U	3.0	U	3.0	U	3.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	1000	80	U	80	U	80	U	80	U
Selenium	25	10	U	10	U	10	U	10	U
Silver	10	0.96	U	0.96	U	0.96	U	0.96	U
Sodium	2000	820	U	820	U	820	U	820	U
Thallium	25	9.9	U	9.9	U	9.9	U	9.9	U
Vanadium	10	2.4	U	2.4	U	2.4	U	2.4	U
Zinc	20	12	U	12	U	12	U	12	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Concentration Units: ug/L

Analyte	RL	CCB 680-177640/115 08/19/2010 03:23		CCB 680-177640/126 08/19/2010 04:25		CCB 680-177640/133 08/19/2010 09:58		CCB 680-177640/141 08/19/2010 10:52	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	100	U	100	U	100	U	100	U
Antimony	20	5.3	U	5.3	U	5.3	U	5.3	U
Arsenic	20	5.9	U	5.9	U	5.9	U	5.9	U
Barium	10	3.0	U	3.0	U	3.0	U	3.0	U
Beryllium	4.0	0.204	J	0.230	J	0.20	U	0.20	U
Cadmium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	500	200	U	200	U	200	U	200	U
Chromium	10	5.0	U	5.0	U	5.0	U	5.0	U
Cobalt	10	1.2	U	1.2	U	1.2	U	1.2	U
Copper	20	11	U	11	U	11	U	11	U
Iron	200	70	U	70	U	70	U	70	U
Lead	10	5.3	U	5.3	U	5.3	U	5.3	U
Magnesium	500	24	U	24	U	24	U	24	U
Manganese	10	3.0	U	3.0	U	3.0	U	3.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	1000	80	U	80	U	80	U	80	U
Selenium	25	10	U	10	U	10	U	10	U
Silver	10	0.96	U	0.96	U	0.96	U	0.96	U
Sodium	2000	820	U	820	U	820	U	820	U
Thallium	25	9.9	U	9.9	U	9.9	U	9.9	U
Vanadium	10	2.4	U	2.4	U	2.4	U	2.4	U
Zinc	20	12	U	12	U	12	U	12	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Concentration Units: ug/L

Analyte	RL	ICB 680-177825/9 08/20/2010 13:29		CCB 680-177825/12 08/20/2010 13:41		CCB 680-177825/24 08/20/2010 14:16		CCB 680-177825/36 08/20/2010 14:52	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.080	U	0.080	U	0.080	U	0.080	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Concentration Units: ug/L

Analyte	RL	CCB 680-177825/48 08/20/2010 15:27		CCB 680-177825/275 08/21/2010 13:45		CCB 680-177825/285 08/21/2010 14:15			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.080	U	0.080	U	0.080	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Concentration Units: mg/Kg Lab Sample ID: MB 680-177400/20-A

Instrument Code: ICPD Batch No.: 177640

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	10	U		6010B
7440-36-0	Antimony	0.53	U		6010B
7440-38-2	Arsenic	0.59	U		6010B
7440-39-3	Barium	0.30	U		6010B
7440-41-7	Beryllium	0.020	U		6010B
7440-43-9	Cadmium	0.10	U		6010B
7440-70-2	Calcium	20	U		6010B
7440-47-3	Chromium	0.50	U		6010B
7440-48-4	Cobalt	0.121	J		6010B
7440-50-8	Copper	1.1	U		6010B
7439-89-6	Iron	7.0	U		6010B
7439-92-1	Lead	0.53	U		6010B
7439-95-4	Magnesium	2.4	U		6010B
7439-96-5	Manganese	0.30	U		6010B
7440-02-0	Nickel	0.31	U		6010B
7440-09-7	Potassium	8.0	U		6010B
7782-49-2	Selenium	1.0	U		6010B
7440-22-4	Silver	0.096	U		6010B
7440-23-5	Sodium	82	U		6010B
7440-28-0	Thallium	0.99	U		6010B
7440-62-2	Vanadium	0.24	U		6010B
7440-66-6	Zinc	1.2	U		6010B

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Concentration Units: mg/Kg Lab Sample ID: MB 680-177671/1-A

Instrument Code: LEEMAN1 Batch No.: 177825

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.0080	U		7471A

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Lab Sample ID: ICSA 680-177640/7 Instrument ID: ICPD

Lab File ID: 081810.chr ICS Source: P_ICSA_wk_00021

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**540528**	**108**
Antimony		**2.37**	
Arsenic		**1.37**	
Barium		**0.972**	
Beryllium		**0.0181**	
Cadmium		**0.836**	
Calcium	**500000**	**525951**	**105**
Chromium		**1.44**	
Cobalt		**1.10**	
Copper		**1.98**	
Iron	**200000**	**199326**	**100**
Lead		**-0.0062**	
Magnesium	**500000**	**559650**	**112**
Manganese		**-1.40**	
Nickel		**-1.08**	
Potassium		**0.868**	
Selenium		**1.36**	
Silver		**0.735**	
Sodium		**99.5**	
Thallium		**-8.03**	
Vanadium		**-2.01**	
Zinc		**5.00**	
Boron		*7.45*	
Molybdenum		*-2.04*	
Strontium		*2.46*	
Tin		*5.59*	
Titanium		*2.36*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Lab Sample ID: ICSAB 680-177640/8 Instrument ID: ICPD

Lab File ID: 081810.chr ICS Source: P_ICSAB_wk_00037

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**531315**	**106**
Antimony	**600**	**637**	**106**
Arsenic	**100**	**105**	**105**
Barium	**500**	**527**	**105**
Beryllium	**500**	**517**	**103**
Cadmium	**1000**	**992**	**99**
Calcium	**500000**	**519751**	**104**
Chromium	**500**	**499**	**100**
Cobalt	**500**	**491**	**98**
Copper	**500**	**547**	**109**
Iron	**200000**	**197088**	**99**
Lead	**50.0**	**52.3**	**105**
Magnesium	**500000**	**552207**	**110**
Manganese	**500**	**504**	**101**
Nickel	**1000**	**965**	**96**
Potassium		**3.55**	
Selenium	**50.0**	**53.0**	**106**
Silver	**200**	**216**	**108**
Sodium		**246**	
Thallium	**100**	**102**	**102**
Vanadium	**500**	**524**	**105**
Zinc	**1000**	**997**	**100**
Boron		*6.06*	
Molybdenum	*1000*	*1122*	*112*
Strontium		*2.42*	
Tin	*1000*	*1169*	*117*
Titanium		*2.40*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Lab Sample ID: ICSA 680-177640/138 Instrument ID: ICPD

Lab File ID: 081810.chr ICS Source: P_ICSA_wk_00021

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**542909**	**109**
Antimony		**-4.38**	
Arsenic		**1.83**	
Barium		**0.792**	
Beryllium		**0.125**	
Cadmium		**2.28**	
Calcium	**500000**	**519326**	**104**
Chromium		**1.43**	
Cobalt		**1.27**	
Copper		**2.18**	
Iron	**200000**	**197667**	**99**
Lead		**-1.59**	
Magnesium	**500000**	**561392**	**112**
Manganese		**-1.38**	
Nickel		**-0.0310**	
Potassium		**-4.15**	
Selenium		**0.208**	
Silver		**0.640**	
Sodium		**260**	
Thallium		**-8.96**	
Vanadium		**-1.05**	
Zinc		**4.71**	
Boron		*-15.3*	
Molybdenum		*-1.71*	
Strontium		*2.36*	
Tin		*6.63*	
Titanium		*2.16*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Lab Sample ID: ICSAB 680-177640/139 Instrument ID: ICPD

Lab File ID: 081810.chr ICS Source: P_ICSAB_wk_00037

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**533541**	**107**
Antimony	**600**	**628**	**105**
Arsenic	**100**	**99.3**	**99**
Barium	**500**	**516**	**103**
Beryllium	**500**	**506**	**101**
Cadmium	**1000**	**966**	**97**
Calcium	**500000**	**511768**	**102**
Chromium	**500**	**491**	**98**
Cobalt	**500**	**486**	**97**
Copper	**500**	**542**	**108**
Iron	**200000**	**194990**	**97**
Lead	**50.0**	**50.9**	**102**
Magnesium	**500000**	**552720**	**111**
Manganese	**500**	**500**	**100**
Nickel	**1000**	**956**	**96**
Potassium		**-4.23**	
Selenium	**50.0**	**52.1**	**104**
Silver	**200**	**214**	**107**
Sodium		**148**	
Thallium	**100**	**93.8**	**94**
Vanadium	**500**	**522**	**104**
Zinc	**1000**	**998**	**100**
Boron		*-14.2*	
Molybdenum	*1000*	*1094*	*109*
Strontium		*2.33*	
Tin	*1000*	*1159*	*116*
Titanium		*2.31*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 67494-6 FDS-5 MS
Lab ID: 680-60273-7 MS
Lab Name: TestAmerica Savannah
Job No.: 680-60273-2
SDG No.: 67494
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 91.6

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	7410		5600		204	901	75-125	4	6010B
Antimony	46.4		0.54	U	51.0	91	75-125		6010B
Arsenic	210		1.5	J	204	102	75-125		6010B
Barium	230		14		204	106	75-125		6010B
Beryllium	5.61		0.30	J	5.10	104	75-125		6010B
Cadmium	5.24		0.10	U	5.10	103	75-125		6010B
Calcium	1970		1100		510	163	75-125	J	6010B
Chromium	29.1		6.4		20.4	111	75-125		6010B
Cobalt	57.3		3.4		51.0	106	75-125		6010B
Copper	34.3		6.9		25.5	107	75-125		6010B
Iron	11000		9200		102	1790	75-125	4	6010B
Lead	64.0		12		51.0	102	75-125		6010B
Magnesium	2950		1800		510	235	75-125	J	6010B
Manganese	235		150		51.0	161	75-125	J	6010B
Nickel	59.2		5.2		51.0	106	75-125		6010B
Potassium	883		300		510	114	75-125		6010B
Selenium	207		1.0	U	204	102	75-125		6010B
Silver	5.46		0.098	U	5.10	107	75-125		6010B
Sodium	527		84	U	510	103	75-125		6010B
Thallium	214		1.0	U	204	105	75-125		6010B
Vanadium	70.4		13		51.0	112	75-125		6010B
Zinc	82.0		24		51.0	114	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID:
Lab ID: 680-60144-B-1-E MS
Lab Name: TestAmerica Savannah
Job No.: 680-60273-2
SDG No.: 67494
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 65.5

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.175		0.041		0.147	91	80-120		7471A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: 67494-6 FDS-5 MSD
Lab ID: 680-60273-7 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-60273-2
SDG No.: 67494
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 91.6

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	6960		204	679	75-125	6	20	4	6010B
Antimony	41.9		51.0	82	75-125	10	20		6010B
Arsenic	207		204	101	75-125	1	20		6010B
Barium	229		204	105	75-125	0	20		6010B
Beryllium	5.57		5.10	103	75-125	1	20		6010B
Cadmium	5.23		5.10	103	75-125	0	20		6010B
Calcium	1760		510	121	75-125	11	20		6010B
Chromium	28.2		20.4	107	75-125	3	20		6010B
Cobalt	56.8		51.0	105	75-125	1	20		6010B
Copper	33.9		25.5	106	75-125	1	20		6010B
Iron	9850		102	661	75-125	11	20	4	6010B
Lead	64.4		51.0	103	75-125	1	20		6010B
Magnesium	2410		510	127	75-125	20	20	J	6010B
Manganese	206		51.0	103	75-125	13	20		6010B
Nickel	58.0		51.0	104	75-125	2	20		6010B
Potassium	862		510	110	75-125	2	20		6010B
Selenium	207		204	101	75-125	0	20		6010B
Silver	5.32		5.10	104	75-125	2	20		6010B
Sodium	541		510	106	75-125	2	20		6010B
Thallium	213		204	105	75-125	0	20		6010B
Vanadium	68.0		51.0	108	75-125	3	20		6010B
Zinc	80.3		51.0	110	75-125	2	20		6010B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-60144-B-1-F MSD

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Matrix: Solid Concentration Units: mg/Kg

% Solids: 65.5

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.164		0.141	87	80-120	6	20		7471A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: 67494-6 FDS-5 PDS
Lab ID: 680-60273-7 PDS
Lab Name: TestAmerica Savannah
Job No.: 680-60273-2
SDG No.: 67494
Matrix: Solid
Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	5710		5600		204	67	75-125	J	6010B
Antimony	49.2		0.54	U	51.0	96	75-125		6010B
Arsenic	200		1.5	J	204	97	75-125		6010B
Barium	216		14		204	99	75-125		6010B
Beryllium	5.31		0.30	J	5.10	98	75-125		6010B
Cadmium	4.99		0.10	U	5.10	98	75-125		6010B
Calcium	1660		1100		510	101	75-125		6010B
Chromium	26.6		6.4		20.4	99	75-125		6010B
Cobalt	54.1		3.4		51.0	99	75-125		6010B
Copper	31.9		6.9		25.5	98	75-125		6010B
Iron	9180		9200		102	2	75-125	J	6010B
Lead	61.7		12		51.0	98	75-125		6010B
Magnesium	2280		1800		510	104	75-125		6010B
Manganese	203		150		51.0	97	75-125		6010B
Nickel	55.1		5.2		51.0	98	75-125		6010B
Potassium	846		300		510	107	75-125		6010B
Selenium	198		1.0	U	204	97	75-125		6010B
Silver	4.34		0.098	U	5.10	85	75-125		6010B
Sodium	524		84	U	510	103	75-125		6010B
Thallium	205		1.0	U	204	100	75-125		6010B
Vanadium	64.5		13		51.0	101	75-125		6010B
Zinc	75.1		24		51.0	100	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-177400/21-A

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

Sample Matrix: Solid LCS Source: P_TEFLONCH_00005

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	200	214		107	75	125		6010B
Antimony	50.0	52.4		105	75	125		6010B
Arsenic	200	211		105	75	125		6010B
Barium	200	216		108	75	125		6010B
Beryllium	5.00	5.29		106	75	125		6010B
Cadmium	5.00	5.30		106	75	125		6010B
Calcium	500	541		108	75	125		6010B
Chromium	20.0	21.5		107	75	125		6010B
Cobalt	50.0	54.0		108	75	125		6010B
Copper	25.0	26.9		108	75	125		6010B
Iron	100	109		109	75	125		6010B
Lead	50.0	53.8		108	75	125		6010B
Magnesium	500	549		110	75	125		6010B
Manganese	50.0	54.6		109	75	125		6010B
Nickel	50.0	53.7		107	75	125		6010B
Potassium	500	533		107	75	125		6010B
Selenium	200	210		105	75	125		6010B
Silver	5.00	5.37		107	75	125		6010B
Sodium	500	534		107	75	125		6010B
Thallium	200	219		109	75	125		6010B
Vanadium	50.0	55.4		111	75	125		6010B
Zinc	50.0	55.2		110	75	125		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-177671/2-A

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

Sample Matrix: Solid LCS Source: Hg_Int_Cal_00048

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.231	0.265		115	80	120		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 680-60273-7

SDG No: 67494

Lab Name: TestAmerica Savannah Job No: 680-60273-2

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	5600		5500		1.3		6010B
Antimony	0.54	U	2.7	U	NC		6010B
Arsenic	1.5	J	3.0	U	NC		6010B
Barium	14		14.3		NC		6010B
Beryllium	0.30	J	0.344	J	NC		6010B
Cadmium	0.10	U	0.51	U	NC		6010B
Calcium	1100		1150		0.63		6010B
Chromium	6.4		6.52		NC		6010B
Cobalt	3.4		3.44	J	NC		6010B
Copper	6.9		6.63	J	NC		6010B
Iron	9200		9190		0.10		6010B
Lead	12		12.0		NC		6010B
Magnesium	1800		1750		0.18		6010B
Manganese	150		154		0.20		6010B
Nickel	5.2		4.55	J	NC		6010B
Potassium	300		289	J	NC		6010B
Selenium	1.0	U	5.1	U	NC		6010B
Silver	0.098	U	0.49	U	NC		6010B
Sodium	84	U	420	U	NC		6010B
Thallium	1.0	U	5.0	U	NC		6010B
Vanadium	13		13.5		2.8		6010B
Zinc	24		24.6		NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-60273-2

SDG Number: 67494

Matrix: Solid Instrument ID: ICPD

Analysis Method: 6010B MDL Date: 06/02/2009 00:00

Prep Method: 3050B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		20	10
Antimony		2	0.53
Arsenic		2	0.59
Barium		1	0.3
Beryllium		0.4	0.02
Cadmium		0.5	0.1
Calcium		50	20
Chromium		1	0.5
Cobalt		1	0.12
Copper		2.5	1.1
Iron		20	7
Lead		1	0.53
Magnesium		50	2.4
Manganese		1	0.3
Nickel		4	0.31
Potassium		100	8
Selenium		2.5	1
Silver		1	0.096
Sodium		200	82
Thallium		2.5	0.99
Vanadium		1	0.24
Zinc		2	1.2

FORM IX - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-60273-2

SDG Number: 67494

Matrix: Solid Instrument ID: ICPD

Analysis Method: 6010B XMDL Date: 06/02/2009 00:00

Prep Method: 3050B

Leach Method:

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	100
Antimony		20	5.3
Arsenic		20	5.9
Barium		10	3
Beryllium		4	0.2
Cadmium		5	1
Calcium		500	200
Chromium		10	5
Cobalt		10	1.2
Copper		20	11
Iron		200	70
Lead		10	5.3
Magnesium		500	24
Manganese		10	3
Nickel		40	3
Potassium		1000	80
Selenium		25	10
Silver		10	0.96
Sodium		2000	820
Thallium		25	9.9
Vanadium		10	2.4
Zinc		20	12

FORM IX - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-60273-2

SDG Number: 67494

Matrix: Solid Instrument ID: LEEMAN1

Analysis Method: 7471A MDL Date: 06/02/2009 00:00

Prep Method: 7471A

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.02	0.0082

FORM IX - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-60273-2

SDG Number: 67494

Matrix: Solid Instrument ID: LEEMAN1

Analysis Method: 7471A XMDL Date: 06/01/2008 15:53

Prep Method: 7471A

Leach Method:

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.08

FORM IX - IN

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Savannah Job No: 680-60273-2

SDG No.: 67494

Instrument ID: ICPD Date: 01/25/2010 13:16

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		720000	6010B
Antimony		45000	6010B
Arsenic		18000	6010B
Barium		18000	6010B
Beryllium		9000	6010B
Cadmium		9000	6010B
Calcium		720000	6010B
Chromium		22500	6010B
Cobalt		22500	6010B
Copper		45000	6010B
Iron		900000	6010B
Lead		18000	6010B
Magnesium		450000	6010B
Manganese		27000	6010B
Nickel		9000	6010B
Potassium		31500	6010B
Selenium		22500	6010B
Silver		1800	6010B
Sodium		72000	6010B
Thallium		27000	6010B
Vanadium		45000	6010B
Zinc		31500	6010B

FORM XI - IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
680-60273-6	08/17/2010 10:21	177400	1.10		100
680-60273-7	08/17/2010 10:21	177400	1.07		100
680-60273-7 MS	08/17/2010 10:21	177400	1.07		100
680-60273-7 MSD	08/17/2010 10:21	177400	1.07		100
MB 680-177400/20-A	08/17/2010 10:21	177400	1.00		100
LCS 680-177400/21-A	08/17/2010 10:21	177400	1.00		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Preparation Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-177671/1-A	08/19/2010 13:22	177671	0.51		50
LCS 680-177671/2-A	08/19/2010 13:22	177671	0.54		50
680-60144-B-1-E MS	08/19/2010 13:22	177671	0.52		50
680-60144-B-1-F MSD	08/19/2010 13:22	177671	0.54		50
680-60273-6	08/19/2010 13:22	177671	0.52		50
680-60273-7	08/19/2010 13:22	177671	0.52		50

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
STD0 680-177640/1 IC			17:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD1 680-177640/2 IC			17:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:09																				
ICV 680-177640/4	1		17:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 680-177640/5	1		17:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 680-177640/6	1		17:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 680-177640/7	1		17:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 680-177640/8	1		17:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-177640/9	1		17:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-177640/10	1		17:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			18:09																				
ZZZZZZ			18:14																				
ZZZZZZ			18:20																				
ZZZZZZ			18:25																				
ZZZZZZ			18:30																				
ZZZZZZ			18:35																				
ZZZZZZ			18:40																				
ZZZZZZ			18:46																				
ZZZZZZ			18:51																				
ZZZZZZ			18:56																				
CCV 680-177640/21			19:01																				
CCB 680-177640/22			19:06																				
ZZZZZZ			19:12																				
ZZZZZZ			19:17																				
ZZZZZZ			19:22																				
ZZZZZZ			19:27																				
ZZZZZZ			19:32																				
ZZZZZZ			19:38																				
ZZZZZZ			19:44																				
ZZZZZZ			19:49																				
ZZZZZZ			19:55																				
ZZZZZZ			20:00																				
CCV 680-177640/33			20:05																				
CCB 680-177640/34			20:10																				
ZZZZZZ			20:15																				
ZZZZZZ			20:21																				
ZZZZZZ			20:26																				
ZZZZZZ			20:31																				
ZZZZZZ			20:36																				
ZZZZZZ			20:41																				
ZZZZZZ			20:47																				
ZZZZZZ			20:52																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			20:57																				
ZZZZZZ			21:02																				
CCV 680-177640/45			21:09																				
CCB 680-177640/46			21:14																				
ZZZZZZ			21:19																				
ZZZZZZ			21:26																				
ZZZZZZ			21:31																				
ZZZZZZ			21:36																				
ZZZZZZ			21:41																				
ZZZZZZ			21:46																				
ZZZZZZ			21:52																				
ZZZZZZ			21:57																				
ZZZZZZ			22:02																				
CCV 680-177640/56			22:08																				
CCB 680-177640/57			22:13																				
ZZZZZZ			22:18																				
ZZZZZZ			22:24																				
ZZZZZZ			22:29																				
ZZZZZZ			22:34																				
ZZZZZZ			22:40																				
ZZZZZZ			22:45																				
ZZZZZZ			22:50																				
ZZZZZZ			22:56																				
CCV 680-177640/66			23:01																				
CCB 680-177640/67			23:06																				
ZZZZZZ			23:11																				
ZZZZZZ			23:17																				
ZZZZZZ			23:22																				
ZZZZZZ			23:27																				
ZZZZZZ			23:33																				
ZZZZZZ			23:38																				
ZZZZZZ			23:43																				
ZZZZZZ			23:49																				
ZZZZZZ			23:54																				
ZZZZZZ			23:59																				
CCV 680-177640/78			00:05																				
CCB 680-177640/79			00:10																				
ZZZZZZ			00:15																				
ZZZZZZ			00:21																				
ZZZZZZ			00:26																				
ZZZZZZ			00:31																				
ZZZZZZ			00:37																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			00:42																				
ZZZZZZ			00:47																				
ZZZZZZ			00:53																				
ZZZZZZ			00:58																				
ZZZZZZ			01:03																				
CCV 680-177640/90	1		01:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-177640/91	1		01:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			01:19																				
ZZZZZZ			01:24																				
ZZZZZZ			01:30																				
ZZZZZZ			01:35																				
ZZZZZZ			01:40																				
ZZZZZZ			01:46																				
MB 680-177400/20-A	1	T	01:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 680-177400/21-A	1	T	01:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			02:03																				
ZZZZZZ			02:08																				
CCV 680-177640/102	1		02:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-177640/103	1		02:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			02:25																				
ZZZZZZ			02:30																				
ZZZZZZ			02:35																				
ZZZZZZ			02:41																				
ZZZZZZ			02:46																				
ZZZZZZ			02:51																				
ZZZZZZ			02:56																				
ZZZZZZ			03:02																				
ZZZZZZ			03:07																				
ZZZZZZ			03:12																				
CCV 680-177640/114	1		03:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-177640/115	1		03:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			03:28																				
ZZZZZZ			03:34																				
ZZZZZZ			03:39																				
680-60273-6	1	T	03:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-60273-7	1	T	03:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-60273-7 SD	5	T	03:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-60273-7 PDS	1	T	04:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-60273-7 MS	1	T	04:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-60273-7 MSD	1	T	04:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-177640/125	1		04:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-177640/126	1		04:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			04:30																				
ZZZZZZ			04:35																				
ZZZZZZ			04:41																				
CCV 680-177640/130			04:49																				
CCB 680-177640/131			04:54																				
CCV 680-177640/132	1		09:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-177640/133	1		09:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:03																				
ZZZZZZ			10:10																				
ZZZZZZ			10:18																				
CRI 680-177640/137	1		10:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 680-177640/138	1		10:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 680-177640/139	1		10:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-177640/140	1		10:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-177640/141	1		10:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
STD0 680-177640/1 IC			17:04	X	X																		
STD1 680-177640/2 IC			17:05	X	X																		
ZZZZZZ			17:09																				
ICV 680-177640/4	1		17:20	X	X																		
ICB 680-177640/5	1		17:27	X	X																		
CRI 680-177640/6	1		17:31	X	X																		
ICSA 680-177640/7	1		17:36	X	X																		
ICSAB 680-177640/8	1		17:40	X	X																		
CCV 680-177640/9	1		17:45	X	X																		
CCB 680-177640/10	1		17:57	X	X																		
ZZZZZZ			18:09																				
ZZZZZZ			18:14																				
ZZZZZZ			18:20																				
ZZZZZZ			18:25																				
ZZZZZZ			18:30																				
ZZZZZZ			18:35																				
ZZZZZZ			18:40																				
ZZZZZZ			18:46																				
ZZZZZZ			18:51																				
ZZZZZZ			18:56																				
CCV 680-177640/21			19:01																				
CCB 680-177640/22			19:06																				
ZZZZZZ			19:12																				
ZZZZZZ			19:17																				
ZZZZZZ			19:22																				
ZZZZZZ			19:27																				
ZZZZZZ			19:32																				
ZZZZZZ			19:38																				
ZZZZZZ			19:44																				
ZZZZZZ			19:49																				
ZZZZZZ			19:55																				
ZZZZZZ			20:00																				
CCV 680-177640/33			20:05																				
CCB 680-177640/34			20:10																				
ZZZZZZ			20:15																				
ZZZZZZ			20:21																				
ZZZZZZ			20:26																				
ZZZZZZ			20:31																				
ZZZZZZ			20:36																				
ZZZZZZ			20:41																				
ZZZZZZ			20:47																				
ZZZZZZ			20:52																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			20:57																				
ZZZZZZ			21:02																				
CCV 680-177640/45			21:09																				
CCB 680-177640/46			21:14																				
ZZZZZZ			21:19																				
ZZZZZZ			21:26																				
ZZZZZZ			21:31																				
ZZZZZZ			21:36																				
ZZZZZZ			21:41																				
ZZZZZZ			21:46																				
ZZZZZZ			21:52																				
ZZZZZZ			21:57																				
ZZZZZZ			22:02																				
CCV 680-177640/56			22:08																				
CCB 680-177640/57			22:13																				
ZZZZZZ			22:18																				
ZZZZZZ			22:24																				
ZZZZZZ			22:29																				
ZZZZZZ			22:34																				
ZZZZZZ			22:40																				
ZZZZZZ			22:45																				
ZZZZZZ			22:50																				
ZZZZZZ			22:56																				
CCV 680-177640/66			23:01																				
CCB 680-177640/67			23:06																				
ZZZZZZ			23:11																				
ZZZZZZ			23:17																				
ZZZZZZ			23:22																				
ZZZZZZ			23:27																				
ZZZZZZ			23:33																				
ZZZZZZ			23:38																				
ZZZZZZ			23:43																				
ZZZZZZ			23:49																				
ZZZZZZ			23:54																				
ZZZZZZ			23:59																				
CCV 680-177640/78			00:05																				
CCB 680-177640/79			00:10																				
ZZZZZZ			00:15																				
ZZZZZZ			00:21																				
ZZZZZZ			00:26																				
ZZZZZZ			00:31																				
ZZZZZZ			00:37																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			00:42																				
ZZZZZZ			00:47																				
ZZZZZZ			00:53																				
ZZZZZZ			00:58																				
ZZZZZZ			01:03																				
CCV 680-177640/90	1		01:09	X	X																		
CCB 680-177640/91	1		01:14	X	X																		
ZZZZZZ			01:19																				
ZZZZZZ			01:24																				
ZZZZZZ			01:30																				
ZZZZZZ			01:35																				
ZZZZZZ			01:40																				
ZZZZZZ			01:46																				
MB 680-177400/20-A	1	T	01:53	X	X																		
LCS 680-177400/21-A	1	T	01:58	X	X																		
ZZZZZZ			02:03																				
ZZZZZZ			02:08																				
CCV 680-177640/102	1		02:14	X	X																		
CCB 680-177640/103	1		02:19	X	X																		
ZZZZZZ			02:25																				
ZZZZZZ			02:30																				
ZZZZZZ			02:35																				
ZZZZZZ			02:41																				
ZZZZZZ			02:46																				
ZZZZZZ			02:51																				
ZZZZZZ			02:56																				
ZZZZZZ			03:02																				
ZZZZZZ			03:07																				
ZZZZZZ			03:12																				
CCV 680-177640/114	1		03:18	X	X																		
CCB 680-177640/115	1		03:23	X	X																		
ZZZZZZ			03:28																				
ZZZZZZ			03:34																				
ZZZZZZ			03:39																				
680-60273-6	1	T	03:44	X	X																		
680-60273-7	1	T	03:50	X	X																		
680-60273-7 SD	5	T	03:55	X	X																		
680-60273-7 PDS	1	T	04:00	X	X																		
680-60273-7 MS	1	T	04:06	X	X																		
680-60273-7 MSD	1	T	04:11	X	X																		
CCV 680-177640/125	1		04:19	X	X																		
CCB 680-177640/126	1		04:25	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			04:30																				
ZZZZZZ			04:35																				
ZZZZZZ			04:41																				
CCV 680-177640/130			04:49																				
CCB 680-177640/131			04:54																				
CCV 680-177640/132	1		09:50	X	X																		
CCB 680-177640/133	1		09:58	X	X																		
ZZZZZZ			10:03																				
ZZZZZZ			10:10																				
ZZZZZZ			10:18																				
CRI 680-177640/137	1		10:32	X	X																		
ICSA 680-177640/138	1		10:36	X	X																		
ICSAB 680-177640/139	1		10:41	X	X																		
CCV 680-177640/140	1		10:47	X	X																		
CCB 680-177640/141	1		10:52	X	X																		

Prep Types
D = Dissolved
R = Total Recoverable
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Instrument ID: LEEMAN1 Method: 7471A

Start Date: 08/20/2010 12:55 End Date: 08/21/2010 14:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD01REP1 680-177825/1 IC			12:55	X																			
STD01REP1 680-177825/2 IC			13:08	X																			
STD02REP1 680-177825/3 IC			13:11	X																			
STD03REP1 680-177825/4 IC			13:14	X																			
STD04REP1 680-177825/5 IC			13:16	X																			
STD05REP1 680-177825/6 IC			13:20	X																			
STD06REP1 680-177825/7 IC			13:23	X																			
ICV 680-177825/8	1		13:26	X																			
ICB 680-177825/9	1		13:29	X																			
ZZZZZZ			13:35																				
CCV 680-177825/11	1		13:38	X																			
CCB 680-177825/12	1		13:41	X																			
CRA 680-177825/13	1		13:44	X																			
ZZZZZZ			13:46																				
ZZZZZZ			13:49																				
ZZZZZZ			13:52																				
ZZZZZZ			13:55																				
ZZZZZZ			13:58																				
ZZZZZZ			14:01																				
ZZZZZZ			14:04																				
ZZZZZZ			14:07																				
ZZZZZZ			14:10																				
CCV 680-177825/23	1		14:13	X																			
CCB 680-177825/24	1		14:16	X																			
ZZZZZZ			14:19																				
ZZZZZZ			14:22																				
ZZZZZZ			14:25																				
ZZZZZZ			14:28																				
ZZZZZZ			14:31																				
ZZZZZZ			14:34																				
ZZZZZZ			14:37																				
ZZZZZZ			14:40																				
ZZZZZZ			14:43																				
ZZZZZZ			14:46																				
CCV 680-177825/35	1		14:50	X																			
CCB 680-177825/36	1		14:52	X																			
ZZZZZZ			14:55																				
ZZZZZZ			14:58																				
ZZZZZZ			15:01																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Instrument ID: LEEMAN1 Method: 7471A

Start Date: 08/20/2010 12:55 End Date: 08/21/2010 14:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			15:04																				
ZZZZZZ			15:07																				
LCS 680-177671/2-A	1	T	15:10	X																			
ZZZZZZ			15:13																				
680-60144-B-1-E MS	1	T	15:16	X																			
680-60144-B-1-F MSD	1	T	15:19	X																			
ZZZZZZ			15:21																				
CCV 680-177825/47	1		15:24	X																			
CCB 680-177825/48	1		15:27	X																			
ZZZZZZ			15:30																				
ZZZZZZ			15:34																				
ZZZZZZ			15:37																				
ZZZZZZ			15:40																				
ZZZZZZ			15:42																				
ZZZZZZ			15:45																				
ZZZZZZ			15:48																				
ZZZZZZ			15:51																				
ZZZZZZ			15:55																				
ZZZZZZ			15:58																				
CCV 680-177825/59			16:01																				
CCB 680-177825/60			16:04																				
ZZZZZZ			16:07																				
ZZZZZZ			16:10																				
ZZZZZZ			16:13																				
ZZZZZZ			16:16																				
ZZZZZZ			16:22																				
ZZZZZZ			16:25																				
ZZZZZZ			16:30																				
ZZZZZZ			16:35																				
ZZZZZZ			16:49																				
ZZZZZZ			16:52																				
ZZZZZZ			17:00																				
ZZZZZZ			17:03																				
ZZZZZZ			17:13																				
ZZZZZZ			17:16																				
ZZZZZZ			17:21																				
ZZZZZZ			17:24																				
ZZZZZZ			17:28																				
ZZZZZZ			17:31																				
ZZZZZZ			17:36																				
ZZZZZZ			17:52																				
ZZZZZZ			18:01																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Instrument ID: LEEMAN1 Method: 7471A

Start Date: 08/20/2010 12:55 End Date: 08/21/2010 14:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
CCV 680-177825/82			18:04																				
CCB 680-177825/83			18:07																				
ZZZZZZ			18:10																				
ZZZZZZ			18:13																				
ZZZZZZ			18:16																				
ZZZZZZ			18:20																				
ZZZZZZ			18:23																				
ZZZZZZ			18:25																				
ZZZZZZ			18:28																				
ZZZZZZ			18:31																				
ZZZZZZ			18:34																				
ZZZZZZ			18:37																				
CCV 680-177825/94			18:40																				
CCB 680-177825/95			18:43																				
ZZZZZZ			18:46																				
ZZZZZZ			18:49																				
ZZZZZZ			18:52																				
ZZZZZZ			18:56																				
ZZZZZZ			18:59																				
ZZZZZZ			19:02																				
ZZZZZZ			19:05																				
ZZZZZZ			19:08																				
ZZZZZZ			19:11																				
ZZZZZZ			19:14																				
CCV 680-177825/106			19:17																				
CCB 680-177825/107			19:20																				
ZZZZZZ			19:23																				
ZZZZZZ			19:26																				
ZZZZZZ			19:29																				
ZZZZZZ			19:32																				
ZZZZZZ			19:35																				
ZZZZZZ			19:38																				
ZZZZZZ			19:41																				
ZZZZZZ			19:44																				
ZZZZZZ			19:47																				
ZZZZZZ			19:50																				
CCV 680-177825/118			19:53																				
CCB 680-177825/119			19:56																				
ZZZZZZ			19:59																				
ZZZZZZ			20:02																				
ZZZZZZ			20:05																				
ZZZZZZ			20:08																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Instrument ID: LEEMAN1 Method: 7471A

Start Date: 08/20/2010 12:55 End Date: 08/21/2010 14:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			20:12																				
ZZZZZZ			20:15																				
ZZZZZZ			20:17																				
ZZZZZZ			20:20																				
ZZZZZZ			20:23																				
ZZZZZZ			20:27																				
CCV 680-177825/130			20:29																				
CCB 680-177825/131			20:32																				
ZZZZZZ			20:35																				
ZZZZZZ			20:38																				
ZZZZZZ			20:41																				
ZZZZZZ			20:45																				
ZZZZZZ			20:47																				
ZZZZZZ			20:51																				
ZZZZZZ			20:54																				
ZZZZZZ			20:57																				
ZZZZZZ			20:59																				
ZZZZZZ			21:03																				
CCV 680-177825/142			21:06																				
CCB 680-177825/143			21:08																				
ZZZZZZ			21:11																				
ZZZZZZ			21:14																				
ZZZZZZ			21:17																				
ZZZZZZ			21:20																				
ZZZZZZ			21:23																				
ZZZZZZ			21:26																				
ZZZZZZ			21:29																				
ZZZZZZ			21:32																				
ZZZZZZ			21:35																				
ZZZZZZ			21:38																				
ZZZZZZ			21:42																				
ZZZZZZ			21:44																				
ZZZZZZ			21:47																				
ZZZZZZ			21:50																				
ZZZZZZ			21:54																				
ZZZZZZ			21:57																				
ZZZZZZ			22:00																				
ZZZZZZ			22:02																				
ZZZZZZ			22:05																				
ZZZZZZ			22:09																				
ZZZZZZ			22:12																				
ZZZZZZ			22:15																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Instrument ID: LEEMAN1 Method: 7471A

Start Date: 08/20/2010 12:55 End Date: 08/21/2010 14:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			22:18																				
ZZZZZZ			22:21																				
ZZZZZZ			22:24																				
ZZZZZZ			22:27																				
ZZZZZZ			22:30																				
ZZZZZZ			22:33																				
ZZZZZZ			22:36																				
ZZZZZZ			22:39																				
ZZZZZZ			22:42																				
ZZZZZZ			22:46																				
ZZZZZZ			22:49																				
ZZZZZZ			22:52																				
ZZZZZZ			22:55																				
ZZZZZZ			22:58																				
ZZZZZZ			23:01																				
ZZZZZZ			23:04																				
ZZZZZZ			23:07																				
ZZZZZZ			23:10																				
ZZZZZZ			23:13																				
ZZZZZZ			23:16																				
ZZZZZZ			23:19																				
ZZZZZZ			23:23																				
ZZZZZZ			23:26																				
ZZZZZZ			23:29																				
CCV 680-177825/190			09:10																				
CCB 680-177825/191			09:14																				
ZZZZZZ			09:16																				
ZZZZZZ			09:19																				
ZZZZZZ			09:22																				
ZZZZZZ			09:25																				
ZZZZZZ			09:28																				
ZZZZZZ			09:31																				
ZZZZZZ			09:34																				
ZZZZZZ			09:37																				
ZZZZZZ			09:40																				
ZZZZZZ			09:43																				
CCV 680-177825/202			09:45																				
CCB 680-177825/203			09:48																				
ZZZZZZ			09:51																				
ZZZZZZ			09:54																				
ZZZZZZ			09:57																				
ZZZZZZ			10:00																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Instrument ID: LEEMAN1 Method: 7471A

Start Date: 08/20/2010 12:55 End Date: 08/21/2010 14:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			10:03																				
ZZZZZZ			10:06																				
ZZZZZZ			10:09																				
ZZZZZZ			10:12																				
ZZZZZZ			10:15																				
ZZZZZZ			10:18																				
CCV 680-177825/214			10:22																				
CCB 680-177825/215			10:25																				
ZZZZZZ			10:28																				
ZZZZZZ			10:31																				
ZZZZZZ			10:34																				
ZZZZZZ			10:37																				
ZZZZZZ			10:40																				
ZZZZZZ			10:43																				
ZZZZZZ			10:46																				
ZZZZZZ			10:49																				
ZZZZZZ			10:52																				
ZZZZZZ			10:55																				
CCV 680-177825/226			10:58																				
CCB 680-177825/227			11:01																				
ZZZZZZ			11:04																				
ZZZZZZ			11:08																				
ZZZZZZ			11:11																				
ZZZZZZ			11:14																				
ZZZZZZ			11:16																				
ZZZZZZ			11:19																				
ZZZZZZ			11:23																				
ZZZZZZ			11:26																				
ZZZZZZ			11:29																				
ZZZZZZ			11:32																				
CCV 680-177825/238			11:35																				
CCB 680-177825/239			11:38																				
ZZZZZZ			11:41																				
ZZZZZZ			11:44																				
ZZZZZZ			11:47																				
ZZZZZZ			11:50																				
ZZZZZZ			11:53																				
ZZZZZZ			11:58																				
ZZZZZZ			12:01																				
ZZZZZZ			12:08																				
ZZZZZZ			12:11																				
ZZZZZZ			12:14																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-2

SDG No.: 67494

Instrument ID: LEEMAN1 Method: 7471A

Start Date: 08/20/2010 12:55 End Date: 08/21/2010 14:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			12:17																				
ZZZZZZ			12:19																				
ZZZZZZ			12:22																				
ZZZZZZ			12:25																				
ZZZZZZ			12:28																				
ZZZZZZ			12:31																				
ZZZZZZ			12:34																				
ZZZZZZ			12:37																				
ZZZZZZ			12:40																				
ZZZZZZ			12:43																				
ZZZZZZ			12:46																				
ZZZZZZ			12:49																				
ZZZZZZ			12:52																				
ZZZZZZ			12:55																				
ZZZZZZ			12:58																				
ZZZZZZ			13:01																				
ZZZZZZ			13:04																				
ZZZZZZ			13:07																				
ZZZZZZ			13:10																				
ZZZZZZ			13:13																				
ZZZZZZ			13:17																				
ZZZZZZ			13:20																				
ZZZZZZ			13:24																				
ZZZZZZ			13:27																				
CCV 680-177825/274	1		13:41	X																			
CCB 680-177825/275	1		13:45	X																			
MB 680-177671/1-A	1	T	13:48	X																			
ZZZZZZ			13:51																				
680-60273-6	1	T	13:54	X																			
680-60273-7	1	T	13:57	X																			
ZZZZZZ			14:00																				
ZZZZZZ			14:03																				
ZZZZZZ			14:06																				
ZZZZZZ			14:09																				
CCV 680-177825/284	1		14:12	X																			
CCB 680-177825/285	1		14:15	X																			

Prep Types

T = Total/NA

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	HIGH STD 00032	D081810	2PTTR2	08/18/10	17:09	BCB	S	CONC
2	ICVP 00190	D081810	2PTTR2	08/18/10	17:20	BCB	S	CONC
3	ICB	D081810	2PTTR2	08/18/10	17:27	BCB	S	CONC
4	RL ICP 00044	D081810	2PTTR2	08/18/10	17:31	BCB	S	CONC
5	ICSA61 00021	D081810	2PTTR2	08/18/10	17:36	BCB	S	CONC
6	ICSAB61 00037	D081810	2PTTR2	08/18/10	17:40	BCB	S	CONC
7	CCVP 00072	D081810	2PTTR2	08/18/10	17:45	BCB	S	CONC
8	CCB	D081810	2PTTR2	08/18/10	17:57	BCB	S	CONC
9	PBW 177473	D081810	2PTTR2	08/18/10	18:09	BCB	S	CONC
10	LCSW-1	D081810	2PTTR2	08/18/10	18:14	BCB	S	CONC
11	LCSW-1 (RL)	D081810	2PTTR2	08/18/10	18:20	BCB	S	CONC
12	16115-1	D081810	2PTTR2	08/18/10	18:25	BCB	S	CONC
13	16115-1L	D081810	2PTTR2	08/18/10	18:30	BCB	S	CONC
14	16115-1A	D081810	2PTTR2	08/18/10	18:35	BCB	S	CONC
15	29380-1	D081810	2PTTR2	08/18/10	18:40	BCB	S	CONC
16	60337-1	D081810	2PTTR2	08/18/10	18:46	BCB	S	CONC
17	60345-1	D081810	2PTTR2	08/18/10	18:51	BCB	S	CONC
18	60345-1S	D081810	2PTTR2	08/18/10	18:56	BCB	S	CONC
19	CCV	D081810	2PTTR2	08/18/10	19:01	BCB	S	CONC
20	CCB	D081810	2PTTR2	08/18/10	19:06	BCB	S	CONC
21	60345-1SD	D081810	2PTTR2	08/18/10	19:12	BCB	S	CONC
22	60345-3	D081810	2PTTR2	08/18/10	19:17	BCB	S	CONC
23	60345-5	D081810	2PTTR2	08/18/10	19:22	BCB	S	CONC
24	60345-7	D081810	2PTTR2	08/18/10	19:27	BCB	S	CONC
25	58368-1	D081810	2PTTR2	08/18/10	19:32	BCB	S	CONC
26	58368-1 1/10	D081810	2PTTR2	08/18/10	19:38	BCB	S	CONC
27	PBW 177472	D081810	2PTTR2	08/18/10	19:44	BCB	S	CONC
28	LCSW-1	D081810	2PTTR2	08/18/10	19:49	BCB	S	CONC
29	LCSW-1 (RL)	D081810	2PTTR2	08/18/10	19:55	BCB	S	CONC
30	60145-1	D081810	2PTTR2	08/18/10	20:00	BCB	S	CONC
31	CCV	D081810	2PTTR2	08/18/10	20:05	BCB	S	CONC
32	CCB	D081810	2PTTR2	08/18/10	20:10	BCB	S	CONC
33	60345-1	D081810	2PTTR2	08/18/10	20:15	BCB	S	CONC
34	60345-1S	D081810	2PTTR2	08/18/10	20:21	BCB	S	CONC
35	60345-1SD	D081810	2PTTR2	08/18/10	20:26	BCB	S	CONC
36	60345-3	D081810	2PTTR2	08/18/10	20:31	BCB	S	CONC
37	60345-5	D081810	2PTTR2	08/18/10	20:36	BCB	S	CONC
38	60345-7	D081810	2PTTR2	08/18/10	20:41	BCB	S	CONC
39	60345-7L	D081810	2PTTR2	08/18/10	20:47	BCB	S	CONC
40	60345-7A	D081810	2PTTR2	08/18/10	20:52	BCB	S	CONC
41	60244-1 1/10	D081810	2PTTR2	08/18/10	20:57	BCB	S	CONC
42	60349-1 1/10	D081810	2PTTR2	08/18/10	21:02	BCB	S	CONC
43	CCV	D081810	2PTTR2	08/18/10	21:09	BCB	S	CONC
44	CCB	D081810	2PTTR2	08/18/10	21:14	BCB	S	CONC
45	60237-3 1/10	D081810	2PTTR2	08/18/10	21:19	BCB	S	CONC
46	PBW 177430	D081810	2PTTR2	08/18/10	21:26	BCB	S	CONC
47	LCSW-1	D081810	2PTTR2	08/18/10	21:31	BCB	S	CONC
48	60160-2	D081810	2PTTR2	08/18/10	21:36	BCB	S	CONC
49	60160-2L	D081810	2PTTR2	08/18/10	21:41	BCB	S	CONC
50	60160-2A	D081810	2PTTR2	08/18/10	21:46	BCB	S	CONC
51	60160-2S	D081810	2PTTR2	08/18/10	21:52	BCB	S	CONC
52	60160-2SD	D081810	2PTTR2	08/18/10	21:57	BCB	S	CONC
53	60398-2	D081810	2PTTR2	08/18/10	22:02	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	CCV	D081810	2PTTR2	08/18/10	22:08	BCB	S	CONC
55	CCB	D081810	2PTTR2	08/18/10	22:13	BCB	S	CONC
56	60296-1	D081810	2PTTR2	08/18/10	22:18	BCB	S	CONC
57	60296-2	D081810	2PTTR2	08/18/10	22:24	BCB	S	CONC
58	60296-3	D081810	2PTTR2	08/18/10	22:29	BCB	S	CONC
59	60296-4	D081810	2PTTR2	08/18/10	22:34	BCB	S	CONC
60	60296-5	D081810	2PTTR2	08/18/10	22:40	BCB	S	CONC
61	60296-6	D081810	2PTTR2	08/18/10	22:45	BCB	S	CONC
62	60296-7	D081810	2PTTR2	08/18/10	22:50	BCB	S	CONC
63	60296-8	D081810	2PTTR2	08/18/10	22:56	BCB	S	CONC
64	CCV	D081810	2PTTR2	08/18/10	23:01	BCB	S	CONC
65	CCB	D081810	2PTTR2	08/18/10	23:06	BCB	S	CONC
66	PBW 177399	D081810	2PTTR2	08/18/10	23:11	BCB	S	CONC
67	LCSS-1	D081810	2PTTR2	08/18/10	23:17	BCB	S	CONC
68	60144-1	D081810	2PTTR2	08/18/10	23:22	BCB	S	CONC
69	60144-1S	D081810	2PTTR2	08/18/10	23:27	BCB	S	CONC
70	60144-1SD	D081810	2PTTR2	08/18/10	23:33	BCB	S	CONC
71	60144-2	D081810	2PTTR2	08/18/10	23:38	BCB	S	CONC
72	60144-3	D081810	2PTTR2	08/18/10	23:43	BCB	S	CONC
73	60144-4	D081810	2PTTR2	08/18/10	23:49	BCB	S	CONC
74	60144-5	D081810	2PTTR2	08/18/10	23:54	BCB	S	CONC
75	60144-6	D081810	2PTTR2	08/18/10	23:59	BCB	S	CONC
76	CCV	D081810	2PTTR2	08/19/10	00:05	BCB	S	CONC
77	CCB	D081810	2PTTR2	08/19/10	00:10	BCB	S	CONC
78	60144-7	D081810	2PTTR2	08/19/10	00:15	BCB	S	CONC
79	60379-6	D081810	2PTTR2	08/19/10	00:21	BCB	S	CONC
80	60379-6L	D081810	2PTTR2	08/19/10	00:26	BCB	S	CONC
81	60379-6A	D081810	2PTTR2	08/19/10	00:31	BCB	S	CONC
82	60379-11	D081810	2PTTR2	08/19/10	00:37	BCB	S	CONC
83	60379-16	D081810	2PTTR2	08/19/10	00:42	BCB	S	CONC
84	60379-21	D081810	2PTTR2	08/19/10	00:47	BCB	S	CONC
85	60379-26	D081810	2PTTR2	08/19/10	00:53	BCB	S	CONC
86	60379-31	D081810	2PTTR2	08/19/10	00:58	BCB	S	CONC
87	60379-36	D081810	2PTTR2	08/19/10	01:03	BCB	S	CONC
88	CCV	D081810	2PTTR2	08/19/10	01:09	BCB	S	CONC
89	CCB	D081810	2PTTR2	08/19/10	01:14	BCB	S	CONC
90	60379-41	D081810	2PTTR2	08/19/10	01:19	BCB	S	CONC
91	60379-45	D081810	2PTTR2	08/19/10	01:24	BCB	S	CONC
92	60166-1	D081810	2PTTR2	08/19/10	01:30	BCB	S	CONC
93	60164-1	D081810	2PTTR2	08/19/10	01:35	BCB	S	CONC
94	60187-10	D081810	2PTTR2	08/19/10	01:40	BCB	S	CONC
95	60191-8	D081810	2PTTR2	08/19/10	01:46	BCB	S	CONC
96	PBW 177400	D081810	2PTTR2	08/19/10	01:53	BCB	S	CONC
97	LCSS-1	D081810	2PTTR2	08/19/10	01:58	BCB	S	CONC
98	60283-1	D081810	2PTTR2	08/19/10	02:03	BCB	S	CONC
99	60283-2	D081810	2PTTR2	08/19/10	02:08	BCB	S	CONC
100	CCV	D081810	2PTTR2	08/19/10	02:14	BCB	S	CONC
101	CCB	D081810	2PTTR2	08/19/10	02:19	BCB	S	CONC
102	60283-3	D081810	2PTTR2	08/19/10	02:25	BCB	S	CONC
103	60283-4	D081810	2PTTR2	08/19/10	02:30	BCB	S	CONC
104	60283-5	D081810	2PTTR2	08/19/10	02:35	BCB	S	CONC
105	60283-6	D081810	2PTTR2	08/19/10	02:41	BCB	S	CONC
106	60283-7	D081810	2PTTR2	08/19/10	02:46	BCB	S	CONC
107	60283-8	D081810	2PTTR2	08/19/10	02:51	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	60283-9	D081810	2PTTR2	08/19/10	02:56	BCB	S	CONC
109	60283-10	D081810	2PTTR2	08/19/10	03:02	BCB	S	CONC
110	60273-1	D081810	2PTTR2	08/19/10	03:07	BCB	S	CONC
111	60273-2	D081810	2PTTR2	08/19/10	03:12	BCB	S	CONC
112	CCV	D081810	2PTTR2	08/19/10	03:18	BCB	S	CONC
113	CCB	D081810	2PTTR2	08/19/10	03:23	BCB	S	CONC
114	60273-3	D081810	2PTTR2	08/19/10	03:28	BCB	S	CONC
115	60273-4	D081810	2PTTR2	08/19/10	03:34	BCB	S	CONC
116	60273-5	D081810	2PTTR2	08/19/10	03:39	BCB	S	CONC
117	60273-6	D081810	2PTTR2	08/19/10	03:44	BCB	S	CONC
118	60273-7	D081810	2PTTR2	08/19/10	03:50	BCB	S	CONC
119	60273-7L	D081810	2PTTR2	08/19/10	03:55	BCB	S	CONC
120	60273-7A	D081810	2PTTR2	08/19/10	04:00	BCB	S	CONC
121	60273-7S	D081810	2PTTR2	08/19/10	04:06	BCB	S	CONC
122	60273-7SD	D081810	2PTTR2	08/19/10	04:11	BCB	S	CONC
123	CCV	D081810	2PTTR2	08/19/10	04:19	BCB	S	CONC
124	CCB	D081810	2PTTR2	08/19/10	04:25	BCB	S	CONC
125	RL	D081810	2PTTR2	08/19/10	04:30	BCB	S	CONC
126	ICSA	D081810	2PTTR2	08/19/10	04:35	BCB	S	CONC
127	ICSAB	D081810	2PTTR2	08/19/10	04:41	BCB	S	CONC
128	CCV	D081810	2PTTR2	08/19/10	04:49	BCB	S	CONC
129	CCB	D081810	2PTTR2	08/19/10	04:54	BCB	S	CONC
130	CCV	D081810	2PTTR2	08/19/10	09:50	BCB	S	CONC
131	CCB	D081810	2PTTR2	08/19/10	09:58	BCB	S	CONC
132	PBW 177399	D081810	2PTTR2	08/19/10	10:03	BCB	S	CONC
133	60283-5 1/10	D081810	2PTTR2	08/19/10	10:10	BCB	S	CONC
134	RL ICP	D081810	2PTTR2	08/19/10	10:18	BCB	S	CONC
135	RL ICP	D081810	2PTTR2	08/19/10	10:32	BCB	S	CONC
136	ICSA61	D081810	2PTTR2	08/19/10	10:36	BCB	S	CONC
137	ICSAB61	D081810	2PTTR2	08/19/10	10:41	BCB	S	CONC
138	CCV	D081810	2PTTR2	08/19/10	10:47	BCB	S	CONC
139	CCB	D081810	2PTTR2	08/19/10	10:52	BCB	S	CONC

#	Sample Name	Ag	Al	2Al	As	B	Ba
1	HIGH STD 00032	996.14	9924.9	9.9254	999.53	10024.	9967.0
2	ICVP 00190	1012.8	1032.0	1.0321	1035.7	1042.3	1024.3
3	ICB	.37991	5.5040	.00550	-2.5195	26.731	-.02708
4	RL ICP 00044	10.415	205.28	.20530	20.404	94.351	10.343
5	ICSA61 00021	.73467	540530.	540.54	1.3692	7.4497	.97170
6	ICSAB61 00037	216.26	531310.	531.34	105.49	6.0604	526.74
7	CCVP 00072	515.66	5104.2	5.1046	516.42	5171.8	5184.6
8	CCB	.26009	1.1164	.00111	.70310	44.502	.10465
9	PBW 177473	.53299	7.1535	.00715	-.39332	-9.1906	.05779
10	LCSW-1	51.478	2033.2	2.0334	2041.7	1018.4	2079.0
11	LCSW-1 (RL)	12.114	222.38	.22240	18.946	95.388	11.214
12	16115-1	.01862	106.90	.10691	.52872	4.4346	25.707
13	16115-1L	.68269	21.827	.02182	1.2820	6.6069	5.0434
14	16115-1A	42.250	2072.9	2.0730	1992.7	1006.3	2031.5
15	29380-1	.23394	7.7199	.00772	-.10500	-5.2500	6.2517
16	60337-1	.74259	320.84	.32086	3.3404	-8.4135	501.89
17	60345-1	.56353	9.0520	.00905	1.9277	-7.4229	142.04
18	60345-1S	54.205	2161.7	2.1619	2169.6	1076.2	2316.5
19	CCV	492.08	4912.5	4.9129	496.03	4922.1	4988.3
20	CCB	.59349	-9.8974	-.00989	1.5701	25.508	1.3892
21	60345-1SD	51.264	2034.2	2.0343	2021.6	1015.7	2202.4
22	60345-3	.41431	-5.9390	-.00593	4.4226	-1.5336	138.45
23	60345-5	.44409	6.6376	.00663	2.7608	-3.3967	62.786
24	60345-7	.47430	98.272	.09828	.49780	-11.364	13.027
25	58368-1	.89305	-2.3902	-.00239	-6.1971	52.943	38.283
26	58368-1 1/10	.14884	-13.097	-.01309	1.9485	6.7735	3.8453
27	PBW 177472	.12969	-22.004	-.02200	-2.5953	-23.311	.05008
28	LCSW-1	50.657	1994.0	1.9939	1989.6	976.02	2040.2
29	LCSW-1 (RL)	14.731	261.83	.26185	25.536	109.04	14.095
30	60145-1	.87026	22.972	.02297	3.8887	6.6566	64.575
31	CCV	490.08	4903.2	4.9034	494.78	4864.3	4949.5
32	CCB	.64874	-17.329	-.01733	2.3430	22.251	.85277
33	60345-1	.65193	-12.360	-.01236	-.16466	-7.4666	136.31
34	60345-1S	53.582	2094.1	2.0942	2085.0	1029.8	2243.0
35	60345-1SD	52.276	2077.8	2.0780	2077.9	1022.5	2229.7
36	60345-3	.50428	-20.333	-.02033	3.5457	-8.6479	139.43
37	60345-5	.70890	-24.027	-.02402	5.1263	-9.6056	62.142
38	60345-7	.62159	-18.423	-.01842	.97081	-15.728	10.192
39	60345-7L	.15421	-25.214	-.02521	-1.3822	-4.4319	2.1094
40	60345-7A	41.946	1967.6	1.9678	1964.6	965.24	2001.4
41	60244-1 1/10	.56304	-5.7730	-.00577	.73778	32.449	2.3729
42	60349-1 1/10	.47400	-21.030	-.02103	1.2211	-.78505	.06986
43	CCV	495.83	4985.5	4.9858	496.01	4907.2	4983.8
44	CCB	.94764	-27.008	-.02701	3.3093	15.545	1.1950
45	60237-3 1/10	.35705	-30.179	-.03018	.08270	9.0031	4.4365
46	PBW 177430	.38570	-27.439	-.02744	3.3103	1.5295	.10836
47	LCSW-1	50.644	1988.5	1.9886	1981.1	986.43	2012.7
48	60160-2	.92064	352.65	.35268	-1.9266	.10455	140.75
49	60160-2L	.50455	113.02	.11303	1.9829	-1.3152	27.350
50	60160-2A	42.988	2367.3	2.3675	1985.3	973.88	2140.2
51	60160-2S	50.868	2394.6	2.3947	1992.7	1000.9	2143.3
52	60160-2SD	52.424	2476.3	2.4765	2050.8	1028.7	2215.7
53	60398-2	.47463	124.88	.12489	3.6330	6.2579	26.939

#	Sample Name	Ag	Al	2Al	As	B	Ba
54	CCV	494.25	5002.2	5.0024	498.58	4894.8	4964.9
55	CCB	.68589	-27.787	-.02778	-.69909	15.846	1.0301
56	60296-1	-.00279	252.06	.25208	2.1265	-12.693	73.312
57	60296-2	.74213	1458.3	1.4585	-.56195	-11.735	29.859
58	60296-3	.05790	331.05	.33108	.70563	-14.905	165.09
59	60296-4	.65157	-30.742	-.03074	-2.7911	-18.761	124.31
60	60296-5	.53352	4.0277	.00402	.82140	-19.035	133.63
61	60296-6	.44217	58.766	.05877	-.62258	-6.3286	46.959
62	60296-7	.65143	50.377	.05038	3.1488	-21.009	138.07
63	60296-8	.50316	-34.342	-.03434	.93782	-25.652	.10875
64	CCV	492.05	4963.9	4.9643	496.90	4866.2	4935.6
65	CCB	.23466	-30.181	-.03018	-.27598	12.386	.87242
66	PBW 177399	.95230	-14.719	-.01472	.37924	-9.8862	.61501
67	LCSS-1	52.595	2098.9	2.0989	2055.9	1000.3	2120.3
68	60144-1	1.2457	99388.	99.391	38.272	313.32	448.67
69	60144-1S	51.207	106740.	106.74	1945.0	1277.2	2317.9
70	60144-1SD	51.556	104990.	105.00	1944.9	1249.3	2335.8
71	60144-2	1.4361	80550.	80.553	57.306	278.60	419.91
72	60144-3	3.4385	132940.	132.94	45.187	237.12	711.50
73	60144-4	.85487	67855.	67.856	46.702	173.39	410.74
74	60144-5	1.2948	152260.	152.27	52.741	166.91	699.19
75	60144-6	.47354	111900.	111.90	41.685	275.90	487.05
76	CCV	486.76	4925.5	4.9257	489.00	4803.5	4882.5
77	CCB	.92133	-38.051	-.03805	3.1271	13.369	.89245
78	60144-7	1.2329	63512.	63.513	50.771	236.51	405.74
79	60379-6	.53314	39596.	39.598	19.343	-1.2350	254.73
80	60379-6L	.56250	7666.1	7.6662	2.4453	-.65720	49.701
81	60379-6A	42.738	40560.	40.561	1957.9	968.27	2233.8
82	60379-11	-.00339	33484.	33.484	29.914	-.79399	137.64
83	60379-16	.26254	36058.	36.059	18.000	-4.0298	207.30
84	60379-21	.35343	25459.	25.461	14.098	-6.6665	103.23
85	60379-26	.44351	47895.	47.898	16.146	-6.5651	202.56
86	60379-31	.65300	24420.	24.420	16.117	-8.2426	95.229
87	60379-36	.44302	28988.	28.989	21.530	-8.8527	133.58
88	CCV	494.87	5000.8	5.0009	495.34	4890.4	4959.7
89	CCB	.68187	-32.063	-.03206	-1.7196	12.785	1.0146
90	60379-41	.94676	34540.	34.542	8.9438	-3.1555	157.29
91	60379-45	.83387	41493.	41.493	21.472	-.14487	201.80
92	60166-1	.62556	-22.447	-.02244	1.0996	-17.082	.24786
93	60164-1	.44224	107.76	.10777	1.7564	8.4546	5.7803
94	60187-10	.86653	100750.	100.75	23.506	29.286	507.39
95	60191-8	.86167	20635.	20.635	35.860	45.464	146.20
96	PBW 177400	.19987	-24.068	-.02406	-2.8489	-18.862	.22244
97	LCSS-1	53.704	2139.0	2.1392	2106.2	1030.7	2160.0
98	60283-1	1.6385	157520.	157.52	112.37	110.04	1763.5
99	60283-2	.50407	255880.	255.89	34.976	104.22	1438.3
100	CCV	497.25	5029.8	5.0300	500.86	4912.9	4972.9
101	CCB	-.01200	-19.235	-.01923	-.16779	12.491	.89108
102	60283-3	1.7197	101510.	101.51	60.035	102.34	1324.6
103	60283-4	.77725	183260.	183.27	25.012	84.001	977.20
104	60283-5	7.7486	93761.	93.767	61.453	71.436	2263.5
105	60283-6	-.06784	228710.	228.72	22.889	100.47	1213.1
106	60283-7	1.0602	198120.	198.12	35.557	132.82	1339.8
107	60283-8	.68238	258650.	258.67	37.432	205.56	1287.4

#	Sample Name	Ag	Al	2Al	As	B	Ba
108	60283-9	.71994	142340.	142.34	42.247	129.87	1398.3
109	60283-10	.20878	236650.	236.67	25.397	88.117	1116.4
110	60273-1	-.04451	51667.	51.670	23.630	-10.211	196.19
111	60273-2	-.22278	42133.	42.135	13.217	-9.1747	186.73
112	CCV	497.26	4983.0	4.9835	493.80	4913.9	4967.7
113	CCB	.16969	-23.078	-.02308	.62666	11.148	1.1468
114	60273-3	-.23220	81911.	81.910	14.022	.39012	232.69
115	60273-4	-.03382	51267.	51.267	12.594	-7.0931	165.70
116	60273-5	-.11925	50751.	50.752	9.0976	-7.6458	198.41
117	60273-6	-.02348	45640.	45.641	15.176	-10.471	147.22
118	60273-7	.23293	54665.	54.666	14.577	-8.3985	141.71
119	60273-7L	.04583	10786.	10.786	2.9255	-5.1122	28.057
120	60273-7A	42.534	56005.	56.008	1961.0	978.94	2120.5
121	60273-7S	53.504	72678.	72.681	2055.3	1016.9	2254.4
122	60273-7SD	52.193	68254.	68.259	2033.4	1016.3	2246.0
123	CCV	504.26	5043.7	5.0441	504.08	4996.9	5031.9
124	CCB	.50281	-24.552	-.02455	.41736	15.538	1.3380
125	RL	10.740	178.51	.17852	22.762	77.940	10.385
126	ICSA	1.0086	547560.	547.58	6.9315	-9.5671	1.0313
127	ICSAB	214.46	533300.	533.31	105.54	-9.8800	515.10
128	CCV	504.29	5059.6	5.0600	507.83	4992.1	5035.2
129	CCB	.59777	-19.102	-.01910	2.7537	16.983	1.0756
130	CCV	485.98	4916.8	4.9170	494.02	4808.4	4852.5
131	CCB	.68764	-34.187	-.03419	-.25618	17.999	-.01367
132	PBW 177399	.37515	-15.123	-.01512	1.5317	-3.7309	.56925
133	60283-5 1/10	.19257	9188.6	9.1895	7.8102	9.0828	232.31
134	RL ICP	10.844	172.47	.17249	19.811	73.514	10.051
135	RL ICP	10.744	179.47	.17948	20.833	71.665	10.164
136	ICSA61	.63955	542910.	542.92	1.8323	-15.266	.79184
137	ICSAB61	214.26	533540.	533.56	99.253	-14.193	515.95
138	CCV	493.21	4925.0	4.9253	492.00	4894.6	4940.0
139	CCB	.31757	-18.579	-.01858	1.3232	13.144	.07982

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
1	HIGH STD 00032	1001.4	9980.6	998.32	997.99	10004.	9948.9
2	ICVP 00190	1034.3	1057.9	1043.1	1033.1	1042.6	1023.8
3	ICB	.00338	-.41138	-.31082	.70993	.09756	.61862
4	RL ICP 00044	4.0637	513.56	4.8408	10.956	10.292	20.928
5	ICSA61 00021	.01813	525950.	.83623	1.0969	1.4350	1.9849
6	ICSAB61 00037	516.91	519750.	992.38	490.85	498.78	547.10
7	CCVP 00072	521.38	5362.7	520.23	519.32	5209.1	5120.0
8	CCB	.01653	.52646	-.23102	.32812	.12134	.47081
9	PBW 177473	.00728	15.371	-.13137	.19043	-.28301	.56156
10	LCSW-1	51.142	5274.5	51.368	518.78	207.22	251.45
11	LCSW-1 (RL)	4.3376	570.83	5.2263	5.9693	5.8218	22.200
12	16115-1	-.01411	25046.	-.29320	.32260	.03383	1.4173
13	16115-1L	.00017	4866.0	-.42435	1.0405	-.45394	.10271
14	16115-1A	49.407	29038.	49.561	497.21	199.84	246.37
15	29380-1	.01124	42738.	-.26663	.30775	1.9744	3.7151
16	60337-1	.39278	18532.	.02707	.62750	.71395	3.3492
17	60345-1	.03483	34209.	-.27999	.84428	.06085	6.7322
18	60345-1S	54.042	41112.	54.183	542.52	217.20	270.03

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
19	CCV	494.89	5130.8	491.58	497.11	4950.1	4936.1
20	CCB	.16448	7.9311	.08899	.12734	.94411	1.4651
21	60345-1SD	50.593	39315.	50.481	510.16	203.88	257.36
22	60345-3	.05715	33282.	-.22571	.82343	.22901	5.7196
23	60345-5	.05571	21584.	.02807	.38804	-.59815	17.691
24	60345-7	.08334	6624.3	-.22499	.36713	.36496	1.5433
25	58368-1	.05317	54118.	-.21970	.42639	.37396	.95309
26	58368-1 1/10	.05034	5368.0	-.21996	.42791	.08368	.88594
27	PBW 177472	.07193	25.168	-.28416	.58212	-.03439	.06387
28	LCSW-1	49.344	5163.6	49.333	504.92	201.22	249.44
29	LCSW-1 (RL)	5.3594	711.47	6.0272	7.3890	6.4742	28.569
30	60145-1	.02212	8919.4	.04215	25.320	2.4548	35016.
31	CCV	489.77	5095.4	484.75	493.26	4911.4	4937.8
32	CCB	.15673	5.0830	.06395	.10478	.84064	1.3934
33	60345-1	.08830	33168.	-.38871	.17823	.25169	7.8903
34	60345-1S	51.486	39770.	51.191	522.75	208.18	264.21
35	60345-1SD	51.296	39628.	51.120	520.29	207.73	262.75
36	60345-3	.12516	33666.	-.12839	.56934	.44492	6.1936
37	60345-5	.09282	21631.	-.01795	.99849	.24947	14.179
38	60345-7	.07312	6533.7	-.24009	.95801	.19504	1.3627
39	60345-7L	.09451	1311.0	-.33999	.44954	-.28216	.53410
40	60345-7A	48.604	11599.	48.116	498.75	197.17	244.47
41	60244-1 1/10	.12113	6702.0	.06221	.70393	.90626	9.3403
42	60349-1 1/10	.08725	26.016	-.23654	.07872	-.17014	.55990
43	CCV	491.95	5139.5	485.77	497.29	4944.2	4971.7
44	CCB	.21654	8.4519	-.02884	.62459	.84646	2.0202
45	60237-3 1/10	.15537	5285.8	.05164	.31272	.33476	.87232
46	PBW 177430	.11075	41.376	-.25908	.11658	-.02962	.78422
47	LCSW-1	49.301	5090.0	49.268	504.30	200.19	248.29
48	60160-2	.12016	45483.	-.17229	.72140	.76729	1.2045
49	60160-2L	.09492	8815.6	.03952	.86200	.08830	1.6026
50	60160-2A	49.676	50199.	48.794	501.54	198.74	250.98
51	60160-2S	49.712	50562.	48.780	501.98	199.54	251.21
52	60160-2SD	51.135	52712.	50.006	515.54	205.51	260.53
53	60398-2	.12463	7489.0	.30391	.59886	1.4552	24.819
54	CCV	492.06	5170.2	486.81	498.29	4951.3	4959.0
55	CCB	.20411	9.3291	.15091	.72781	1.0201	1.8126
56	60296-1	.43857	2811.4	-.06170	198.65	4.1957	17.098
57	60296-2	.48771	676.19	-.06027	6.3744	27.854	15.473
58	60296-3	.92826	6204.1	-.03924	1.3554	28.313	3.2342
59	60296-4	.12885	5260.4	-.33344	2.6052	.14190	1.4181
60	60296-5	.60448	8529.5	-.02943	23.824	1.3651	1.3577
61	60296-6	.85325	2949.7	.20804	4.4576	26.118	2.9045
62	60296-7	.65421	8940.5	-.05767	23.493	1.1581	1.6135
63	60296-8	.11278	40.065	-.20956	.77882	.25398	.51387
64	CCV	489.68	5139.4	483.20	496.60	4916.2	4937.4
65	CCB	.17236	9.0955	-.15153	.37014	.80044	1.6042
66	PBW 177399	.12494	400.64	-.22002	.16697	.74654	1.6432
67	LCSS-1	51.906	5400.5	51.053	529.49	211.51	263.22
68	60144-1	6.7401	H1013e3	3.4292	32.144	349.38	60.002
69	60144-1S	53.232	H914090.	47.464	492.64	547.17	302.08
70	60144-1SD	52.909	H920860.	47.636	493.17	535.27	305.71
71	60144-2	5.7922	H1994e3	9.3499	44.715	297.46	85.405
72	60144-3	7.0738	H1144e3	5.4972	46.149	306.82	87.444

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
73	60144-4	4.5291	H1390e3	2.4171	31.792	188.29	55.673
74	60144-5	6.5901	H1098e3	3.2065	42.337	222.63	65.286
75	60144-6	6.5844	H1510e3	3.8576	39.420	298.01	59.369
76	CCV	484.63	5188.3	480.05	492.04	4881.8	4871.9
77	CCB	.23179	34.133	.01039	.19023	1.1079	1.8690
78	60144-7	5.0335	H1403e3	3.3884	37.285	234.00	49.657
79	60379-6	1.2961	14431.	.74655	19.583	280.16	94.366
80	60379-6L	.37352	2838.7	.12415	4.4410	54.881	18.051
81	60379-6A	49.870	19089.	48.654	513.56	468.33	339.33
82	60379-11	1.2538	13214.	3.2558	9.7344	431.20	66.799
83	60379-16	1.1720	73214.	2.8619	15.723	316.77	92.061
84	60379-21	.94325	8373.4	1.4732	7.5316	169.25	34.896
85	60379-26	1.9199	11643.	.73767	18.100	158.24	55.805
86	60379-31	.97509	2905.1	.61564	6.2641	232.30	41.712
87	60379-36	1.1287	11402.	3.9424	9.5631	217.18	46.816
88	CCV	494.05	5128.3	490.29	501.10	4974.1	4952.0
89	CCB	.22762	9.7913	-.20261	.84436	.87984	1.2698
90	60379-41	1.4238	11680.	.58946	16.236	79.243	44.711
91	60379-45	1.6710	15372.	.85460	18.512	260.07	175.24
92	60166-1	.12531	113.64	-.04536	.90242	.57962	.93681
93	60164-1	.14648	8717.7	-.15569	.29756	4.2524	20.192
94	60187-10	7.7221	345890.	10.512	28.049	149.75	224.61
95	60191-8	1.9241	H2235e3	1.2675	10.932	64.909	26.726
96	PBW 177400	.13282	49.489	-.15175	1.2064	1.6246	1.7829
97	LCSS-1	52.911	5406.7	53.001	540.48	214.59	268.84
98	60283-1	6.6657	747670.	22.464	64.007	540.59	927.51
99	60283-2	9.7926	550560.	3.2822	89.450	210.50	104.91
100	CCV	497.62	5214.3	492.08	503.13	4997.9	4963.2
101	CCB	.20465	23.853	-.10648	.12376	1.0465	1.0453
102	60283-3	4.6028	H1350e3	32.195	36.914	361.92	868.97
103	60283-4	8.0872	584430.	7.1296	46.925	165.51	113.17
104	60283-5	4.5671	H1564e3	27.771	35.497	204.17	870.78
105	60283-6	9.7694	495850.	3.2822	53.455	206.63	129.89
106	60283-7	8.0964	H804560.	14.170	47.307	242.99	363.37
107	60283-8	10.320	279630.	2.7219	59.725	221.41	117.50
108	60283-9	6.4978	H867260.	20.612	45.618	206.71	637.15
109	60283-10	9.7687	150730.	2.3893	67.655	209.98	106.24
110	60273-1	5.0533	16053.	-.38294	37.485	78.100	95.008
111	60273-2	4.6855	13876.	-.01990	19.937	60.256	52.944
112	CCV	497.00	5133.3	492.80	501.01	4989.7	4956.8
113	CCB	.20427	13.279	.19121	.64555	1.1919	1.3776
114	60273-3	4.7408	16281.	-.13567	38.664	99.374	45.115
115	60273-4	4.0850	10704.	-.18697	27.135	68.166	53.878
116	60273-5	4.2469	11471.	-.18123	28.541	61.749	41.996
117	60273-6	4.4203	12047.	-.26327	26.176	54.374	50.433
118	60273-7	2.9617	11220.	.47611	32.845	62.883	67.219
119	60273-7L	.67539	2258.3	-.12026	6.7509	12.775	12.991
120	60273-7A	52.080	16249.	48.927	529.92	260.47	313.07
121	60273-7S	55.000	19357.	51.349	562.05	285.09	335.93
122	60273-7SD	54.644	17271.	51.288	556.42	276.80	332.05
123	CCV	503.61	5191.5	497.69	507.72	5048.7	5021.2
124	CCB	.23020	8.1041	-.08732	.46359	1.3098	1.5849
125	RL	4.1596	513.17	4.7383	10.308	10.441	21.148
126	ICSA	.14425	519480.	2.7716	.95625	1.4443	2.3006

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
127	ICSAB	504.70	508000.	963.80	482.67	488.53	540.90
128	CCV	502.88	5206.9	498.58	507.97	5055.2	5031.7
129	CCB	.19477	10.373	.04410	1.2617	1.5557	1.5523
130	CCV	484.77	5037.6	478.31	490.96	4868.2	4860.8
131	CCB	.09121	6.4504	-.01601	.66660	.00764	.62233
132	PBW 177399	.12703	329.10	-.31135	.82316	.89318	1.2370
133	60283-5 1/10	.55992	151810.	2.5667	4.3966	21.047	85.215
134	RL ICP	4.1270	513.54	4.6348	10.971	10.448	20.688
135	RL ICP	4.1011	517.82	4.9566	10.669	9.9557	21.055
136	ICSA61	.12452	519330.	2.2766	1.2716	1.4284	2.1753
137	ICSAB61	506.08	511770.	966.24	485.92	491.06	542.17
138	CCV	495.18	5137.3	491.42	499.60	4969.0	4917.3
139	CCB	.06718	5.6772	-.27125	.52638	.12909	.12124

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
1	HIGH STD 00032	9975.4	9.9754	19932.	9980.5	9.9805	10002.
2	ICVP 00190	1021.6	1.0219	20188.	1072.3	1.0723	1040.0
3	ICB	-5.9482	-.00594	-9.6602	-2.5668	-.00256	.08965
4	RL ICP 00044	46.091	.04609	1001.6	526.39	.52623	10.316
5	ICSA61 00021	199330.	199.29	.86759	559650.	559.42	-1.4019
6	ICSAB61 00037	197090.	197.05	3.5527	552210.	551.99	503.55
7	CCVP 00072	5214.3	5.2143	10313.	5350.6	5.3506	5226.2
8	CCB	-6.9091	-.00690	.66967	-2.5239	-.00252	.12907
9	PBW 177473	-4.7190	-.00471	1.6776	-.00039	.00000	.05831
10	LCSW-1	1011.2	1.0113	5273.2	5270.4	5.2690	520.23
11	LCSW-1 (RL)	53.715	.05371	1090.0	549.58	.54941	10.974
12	16115-1	16.625	.01662	1637.7	9245.4	9.2428	6.0055
13	16115-1L	-7.9334	-.00793	285.65	1790.2	1.7897	1.2647
14	16115-1A	1007.0	1.0071	7294.2	14040.	14.037	508.04
15	29380-1	-2.1503	-.00214	417.07	6576.3	6.5745	.13564
16	60337-1	24.963	.02496	1605.9	4808.2	4.8069	75.201
17	60345-1	13.957	.01395	781.02	5724.2	5.7226	4.8689
18	60345-1S	1110.4	1.1105	6407.1	11598.	11.594	552.59
19	CCV	4947.7	4.9477	10033.	5109.4	5.1093	4996.5
20	CCB	-10.228	-.01022	1.6576	.00825	.00001	1.3324
21	60345-1SD	1033.5	1.0336	6205.1	10986.	10.983	520.50
22	60345-3	7.3023	.00730	772.54	5584.7	5.5831	1.3281
23	60345-5	-3.8166	-.00381	580.33	4012.8	4.0117	.25919
24	60345-7	631.37	.63128	440.48	915.94	.91564	172.95
25	58368-1	149.19	.14917	8549.1	37787.	37.776	12.904
26	58368-1 1/10	4.6891	.00468	657.79	3696.4	3.6954	1.3148
27	PBW 177472	-19.038	-.01903	7.3166	-.00252	.00000	.10931
28	LCSW-1	1013.8	1.0139	5254.4	5140.0	5.1386	508.55
29	LCSW-1 (RL)	65.361	.06535	1404.4	679.48	.67928	13.678
30	60145-1	388.16	.38812	4349.6	3174.7	3.1738	185.71
31	CCV	4904.3	4.9043	10052.	5085.4	5.0854	4970.7
32	CCB	-19.034	-.01903	4.4697	.00276	.00000	.81055
33	60345-1	-7.9193	-.00791	760.94	5583.7	5.5822	.37554
34	60345-1S	1165.1	1.1652	6478.0	11231.	11.228	529.77
35	60345-1SD	1041.2	1.0413	6377.2	11185.	11.182	528.03
36	60345-3	-2.5924	-.00259	772.12	5686.4	5.6848	.24876
37	60345-5	-.99021	-.00098	579.75	4041.3	4.0402	.11288

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
38	60345-7	10.151	.01015	427.72	904.19	.90393	.43642
39	60345-7L	-11.235	-.01123	77.237	176.37	.17632	.24770
40	60345-7A	984.83	.98491	5800.8	6118.0	6.1163	502.87
41	60244-1 1/10	200.78	.20075	H38496.	2257.1	2.2564	99.074
42	60349-1 1/10	-7.2411	-.00724	-.72915	-.00029	.00000	.12972
43	CCV	4950.6	4.9507	10229.	5141.6	5.1415	5013.2
44	CCB	-8.7413	-.00873	6.1291	.00684	.00000	1.1106
45	60237-3 1/10	2.2253	.00222	763.39	3617.6	3.6166	1.7338
46	PBW 177430	1.5257	.00152	.07558	-4.8986	-.00489	.02429
47	LCSW-1	996.42	.99651	4993.5	5121.4	5.1201	507.76
48	60160-2	7.2575	.00725	10870.	3252.6	3.2517	2.2865
49	60160-2L	-7.9366	-.00793	2069.5	628.45	.62827	.89429
50	60160-2A	1025.7	1.0258	16139.	8442.8	8.4405	508.64
51	60160-2S	1005.3	1.0054	16098.	8424.9	8.4225	508.91
52	60160-2SD	1020.5	1.0206	16750.	8699.4	8.6970	523.79
53	60398-2	973.49	.97336	14026.	2497.4	2.4965	23.884
54	CCV	4979.6	4.9796	10259.	5185.2	5.1851	5029.4
55	CCB	-15.078	-.01507	-.32414	-2.5135	-.00250	1.0416
56	60296-1	353.33	.35335	2394.2	886.50	.88629	245.23
57	60296-2	1290.0	1.2898	975.96	747.27	.74683	10.260
58	60296-3	2602.1	2.6018	1551.0	2708.1	2.7069	25.975
59	60296-4	20.494	.02049	2378.9	2061.0	2.0604	38.049
60	60296-5	1341.9	1.3418	2225.0	3365.5	3.3644	283.30
61	60296-6	265.46	.26542	2236.1	3420.5	3.4195	100.98
62	60296-7	1330.6	1.3304	2352.4	3470.3	3.4692	280.19
63	60296-8	-12.754	-.01275	1.7821	2.4622	.00246	.09879
64	CCV	4937.4	4.9374	10231.	5149.1	5.1490	4997.2
65	CCB	-11.880	-.01187	3.5899	2.4726	.00247	.82433
66	PBW 177399	51.694	.05168	23.769	9.9834	.00997	.88447
67	LCSS-1	1069.1	1.0691	5009.0	5336.8	5.3354	535.96
68	60144-1	141960.	141.94	H48963.	32044.	32.011	1329.3
69	60144-1S	144760.	144.74	H55452.	37206.	37.171	1739.0
70	60144-1SD	140050.	140.02	H53758.	36211.	36.177	1816.2
71	60144-2	126580.	126.56	H48678.	29225.	29.195	1822.9
72	60144-3	149360.	149.33	H47387.	37466.	37.430	1980.7
73	60144-4	99427.	99.408	30106.	23586.	23.562	1535.0
74	60144-5	159520.	159.49	H45516.	38445.	38.407	2219.4
75	60144-6	162650.	162.61	H48874.	35326.	35.289	2997.4
76	CCV	4898.9	4.8989	10161.	5129.7	5.1297	4969.2
77	CCB	-18.258	-.01825	-2.6823	.00427	.00000	.99279
78	60144-7	107210.	107.18	H35741.	23506.	23.481	1297.1
79	60379-6	83136.	83.122	7113.0	14430.	14.412	518.90
80	60379-6L	16277.	16.274	1388.4	2828.5	2.8249	102.32
81	60379-6A	81569.	81.553	12237.	19311.	19.291	1004.8
82	60379-11	86637.	86.620	3665.3	7138.1	7.1210	310.37
83	60379-16	73881.	73.868	10122.	29430.	29.409	889.90
84	60379-21	48135.	48.129	5486.8	4825.8	4.8162	392.64
85	60379-26	107920.	107.90	20404.	15014.	14.992	1718.9
86	60379-31	55288.	55.279	2829.4	2251.5	2.2412	172.85
87	60379-36	65193.	65.181	6259.8	5480.0	5.4672	482.31
88	CCV	4987.9	4.9879	10321.	5205.4	5.2053	5050.4
89	CCB	-.74893	-.00074	6.3005	7.4244	.00742	1.0090
90	60379-41	74405.	74.393	19467.	14528.	14.512	1644.8
91	60379-45	98375.	98.355	7792.8	14328.	14.307	847.42

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
92	60166-1	12.476	.01247	28.000	10.042	.01003	.28726
93	60164-1	2495.8	2.4955	753.94	1802.4	1.8015	57.643
94	60187-10	112180.	112.16	4682.0	9282.0	9.2601	916.69
95	60191-8	43969.	43.961	9932.9	17232.	17.220	1414.2
96	PBW 177400	32.881	.03287	26.383	2.5298	.00252	.50816
97	LCSS-1	1092.5	1.0926	5331.7	5493.5	5.4920	546.17
98	60283-1	403340.	403.26	34210.	35808.	35.729	3962.9
99	60283-2	155940.	155.91	H45991.	51924.	51.884	3948.5
100	CCV	4992.3	4.9923	10351.	5229.4	5.2293	5070.7
101	CCB	-9.3319	-.00933	5.8883	.00556	.00000	.95556
102	60283-3	167750.	167.72	25515.	27313.	27.277	1832.0
103	60283-4	122580.	122.56	H36123.	40685.	40.654	3448.7
104	60283-5	148480.	148.45	22886.	27009.	26.976	1716.9
105	60283-6	144050.	144.03	H43433.	49086.	49.048	3041.8
106	60283-7	137220.	137.19	H44504.	42017.	41.982	2186.2
107	60283-8	164210.	164.18	H48899.	54678.	54.635	2748.8
108	60283-9	135630.	135.60	H37228.	34601.	34.568	1963.5
109	60283-10	161240.	161.22	H46444.	47604.	47.564	4064.1
110	60273-1	94452.	94.437	4148.1	21965.	21.943	1169.6
111	60273-2	91645.	91.630	4190.2	13915.	13.896	1115.1
112	CCV	4977.3	4.9773	10341.	5201.0	5.2009	5057.0
113	CCB	-7.7306	-.00772	11.290	2.5311	.00253	1.2005
114	60273-3	119270.	119.25	4174.4	31437.	31.408	1802.2
115	60273-4	94637.	94.617	3559.6	18929.	18.907	1456.3
116	60273-5	76294.	76.280	4044.1	17918.	17.901	1236.5
117	60273-6	83224.	83.209	3522.5	17206.	17.187	1305.3
118	60273-7	89964.	89.946	2955.7	17204.	17.184	1502.8
119	60273-7L	18011.	18.008	566.33	3434.6	3.4306	301.16
120	60273-7A	89981.	89.966	8290.8	22388.	22.367	1985.7
121	60273-7S	107870.	107.86	8652.1	28933.	28.906	2308.2
122	60273-7SD	96577.	96.562	8445.6	23579.	23.556	2017.9
123	CCV	5039.0	5.0390	10497.	5269.4	5.2694	5119.2
124	CCB	-6.0701	-.00606	3.3137	.00952	.00001	1.4044
125	RL	59.429	.05942	1032.4	523.70	.52354	10.431
126	ICSA	198600.	198.56	11.868	565240.	565.01	-1.3182
127	ICSAB	194170.	194.12	.99048	551570.	551.33	499.21
128	CCV	5039.7	5.0398	10520.	5292.8	5.2927	5121.9
129	CCB	-15.892	-.01588	4.1842	10.348	.01034	1.1559
130	CCV	4857.3	4.8573	10238.	5106.1	5.1061	4944.6
131	CCB	-15.063	-.01506	.08553	-.00300	.00000	-.04779
132	PBW 177399	46.387	.04638	23.720	13.187	.01317	.81085
133	60283-5 1/10	15547.	15.545	1823.2	2796.8	2.7934	177.34
134	RL ICP	38.553	.03855	1019.8	521.16	.52100	10.159
135	RL ICP	40.016	.04001	1032.7	529.94	.52978	10.190
136	ICSA61	197670.	197.63	-4.1531	561390.	561.16	-1.3752
137	ICSAB61	194990.	194.95	-4.2289	552720.	552.50	500.20
138	CCV	4967.7	4.9677	10280.	5187.3	5.1873	5024.5
139	CCB	-5.8863	-.00588	-1.0670	2.5791	.00257	.02156

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
1	HIGH STD 00032	1001.4	14824.	4978.8	1001.7	9989.4	992.95
2	ICVP 00190	1047.6	10232.	1035.0	1036.4	1049.0	996.49
3	ICB	.42901	17.908	.01751	1.5600	-1.0277	-3.8961
4	RL ICP 00044	8.4186	925.70	40.317	9.1933	22.552	19.532
5	ICSA61 00021	-2.0420	99.492	-1.0755	-.00616	1.3608	2.3735
6	ICSAB61 00037	1121.8	245.81	964.78	52.275	53.000	636.66
7	CCVP 00072	525.36	7634.3	2594.4	525.79	5226.2	517.57
8	CCB	1.4127	103.03	-.47272	.70034	.53409	-1.7439
9	PBW 177473	-1.8845	-64.783	.76567	1.1085	5.7928	-4.6184
10	LCSW-1	509.98	4902.3	512.79	516.18	2098.1	506.07
11	LCSW-1 (RL)	11.062	1165.9	42.912	9.3858	22.740	18.710
12	16115-1	-1.5742	42235.	-.01656	-.12700	-.97113	-3.1906
13	16115-1L	-.84819	7878.2	-.44393	-1.1404	-4.3942	-5.5000
14	16115-1A	490.54	46123.	490.27	496.06	2025.2	481.40
15	29380-1	-.43821	2833.1	-.10657	1.2134	.25925	-4.3041
16	60337-1	-.03335	42837.	5.3346	6.1019	-1.0582	-2.8759
17	60345-1	-1.0715	9398.9	1.3907	.65687	3.9081	-2.1805
18	60345-1S	535.43	15050.	536.98	541.22	2190.2	535.49
19	CCV	496.45	7506.8	2479.3	501.02	4982.6	490.72
20	CCB	.35270	92.587	1.3525	-.44949	2.8277	-4.5329
21	60345-1SD	504.03	14508.	501.69	507.48	2048.4	511.15
22	60345-3	-.70914	9255.0	.44097	.26050	1.4518	-.56016
23	60345-5	-1.0295	6187.3	.51422	1.3422	-1.2414	-7.2646
24	60345-7	-1.6629	1328.3	1.0305	1.3990	6.6163	-1.1046
25	58368-1	-1.4834	H193400.	-.30003	.24803	-4.1620	-3.8627
26	58368-1 1/10	-2.2381	16629.	.47846	.87832	-.28278	-6.4644
27	PBW 177472	-3.2165	161.86	.68315	.24371	-.35090	-6.0152
28	LCSW-1	490.80	4716.2	501.51	502.21	2020.0	495.94
29	LCSW-1 (RL)	14.779	1417.6	52.854	14.510	28.511	21.462
30	60145-1	-.51220	22992.	4190.3	4.9114	-2.3036	-1.2091
31	CCV	486.50	7372.1	2464.5	496.96	4905.7	485.40
32	CCB	.51522	82.416	-.07529	-.22341	1.9185	-2.7223
33	60345-1	-.40699	9198.8	-.31752	.60685	5.0305	-5.5124
34	60345-1S	508.45	14936.	516.00	519.93	2105.4	519.95
35	60345-1SD	510.80	14737.	512.29	519.91	2071.4	519.13
36	60345-3	.03058	9385.4	.66344	.60256	.52864	-.85653
37	60345-5	.16479	6085.0	.30570	.70869	-1.5662	-.68560
38	60345-7	-1.1662	1372.8	.01801	.18340	.36620	-4.3321
39	60345-7L	-2.2261	235.06	-.70251	.46511	-.50668	-3.4016
40	60345-7A	476.81	6220.7	492.15	494.99	1972.4	472.86
41	60244-1 1/10	-.53609	52477.	.31420	-.22863	-.65790	.54077
42	60349-1 1/10	-1.8777	47.173	-.43570	2.7079	-1.8535	-2.9478
43	CCV	491.83	7378.4	2479.0	499.08	4917.4	489.47
44	CCB	-1.2580	92.169	.21919	.56273	.06392	-1.5456
45	60237-3 1/10	-1.9668	19888.	-.57097	-.67634	1.4369	-3.9298
46	PBW 177430	-1.6112	91.620	-.69789	.37322	2.8614	-3.4802
47	LCSW-1	485.09	4811.3	498.56	501.95	1990.3	489.82
48	60160-2	-1.1646	8787.5	-.24969	.45066	-.64669	-3.1031
49	60160-2L	-.56525	1744.5	.07499	.92072	3.2645	-3.5937
50	60160-2A	478.60	13666.	495.08	495.65	1978.4	483.62
51	60160-2S	490.91	13790.	497.59	496.25	1967.4	494.72
52	60160-2SD	504.82	14425.	510.55	511.29	2007.1	513.55
53	60398-2	8.4322	31467.	2.6846	3.4326	2.2645	-2.9324

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
54	CCV	492.98	7522.6	2495.4	503.81	4923.4	491.55
55	CCB	.12658	140.61	.22565	1.8010	6.0205	-1.9788
56	60296-1	5.1354	5697.4	33.893	.56669	.00598	-2.5261
57	60296-2	2.2935	3706.0	29.775	3.7223	-.99844	-3.6725
58	60296-3	3.0981	21096.	22.806	-.32560	-1.2908	-1.8145
59	60296-4	5.3298	33450.	132.98	-.35278	-.55850	-5.4786
60	60296-5	-.80328	22819.	4.3029	.00813	2.5951	-7.7549
61	60296-6	8.9695	H243890.	125.03	-1.2031	2.2391	-2.7336
62	60296-7	-.13405	23782.	2.9575	-1.0761	.22295	-3.0364
63	60296-8	-2.9590	174.75	.43793	1.0270	1.9590	-5.2813
64	CCV	488.84	7467.1	2475.0	501.20	4900.0	491.43
65	CCB	-.30689	74.582	.52189	.68565	2.2889	-3.6734
66	PBW 177399	-1.5265	204.05	-.37860	2.9339	1.2694	-5.9357
67	LCSS-1	506.69	5190.9	522.65	525.88	2035.4	508.82
68	60144-1	1.8449	1583.9	81.966	160.48	1.9114	-1.1712
69	60144-1S	452.88	6620.7	532.57	630.79	1903.0	376.55
70	60144-1SD	435.82	6592.1	528.17	645.72	1899.6	279.66
71	60144-2	1.1190	2392.7	82.081	167.26	-.21248	1.9863
72	60144-3	1.8580	1628.3	102.98	289.21	5.1605	-.35817
73	60144-4	1.4457	2357.2	65.111	98.873	2.6634	-2.0489
74	60144-5	.49670	1401.6	106.75	93.486	2.9806	1.3616
75	60144-6	2.5655	2182.2	90.428	85.044	2.3660	1.8912
76	CCV	481.57	7483.5	2460.9	498.03	4863.9	482.25
77	CCB	-.75774	-55.648	.03811	-.04604	1.4452	-4.5081
78	60144-7	1.7029	1795.1	65.006	106.26	5.8084	1.7296
79	60379-6	2.6120	667.85	57.404	40.723	.38318	-2.6191
80	60379-6L	-2.1085	238.53	10.857	8.2095	-.50762	-5.5498
81	60379-6A	481.36	5682.2	544.82	525.77	1903.8	478.40
82	60379-11	6.4949	271.25	22.816	110.04	-.47493	2.1333
83	60379-16	7.3036	1190.3	30.931	357.67	4.9528	3.1023
84	60379-21	2.6923	1127.2	12.645	46.085	2.6848	-2.3943
85	60379-26	1.4533	331.00	21.275	40.980	4.5522	-.78987
86	60379-31	2.7785	553.48	10.982	47.094	-.93720	-1.4955
87	60379-36	2.4454	1087.2	15.519	90.239	.55551	-2.7974
88	CCV	489.75	7670.9	2504.0	504.33	4912.2	489.75
89	CCB	-.08406	184.78	-.56152	.45811	2.4330	-4.4650
90	60379-41	.53358	613.81	24.300	32.611	1.9938	-4.7009
91	60379-45	.42865	668.78	50.999	43.255	-2.4682	-3.4142
92	60166-1	-.52211	393.34	-1.7608	.71398	-2.4843	-1.4222
93	60164-1	1.4440	32392.	1.0097	3.2548	-.61305	.37331
94	60187-10	8.3087	1484.1	51.141	580.49	.78409	-2.9165
95	60191-8	-.55567	1318.8	32.273	40.128	-2.4343	-.64955
96	PBW 177400	-1.8043	206.22	.64869	-.43534	-1.0991	-4.2927
97	LCSS-1	518.12	5338.7	536.72	538.50	2098.3	524.20
98	60283-1	27.407	879.89	214.75	16155.	6.8355	14.841
99	60283-2	-.83749	1243.8	124.54	505.09	.67829	-2.6827
100	CCV	491.53	7618.7	2507.1	507.96	4946.8	496.64
101	CCB	-.24251	46.380	.32173	3.0628	-.05024	-5.6309
102	60283-3	13.460	750.09	155.89	15758.	3.9629	25.420
103	60283-4	-.42551	1050.3	108.25	806.19	1.9876	-3.2231
104	60283-5	7.3174	908.16	111.40	H25898.	3.4268	11.146
105	60283-6	-.16321	1518.0	116.97	592.14	3.8435	-4.7919
106	60283-7	3.5490	829.58	120.84	4263.1	4.4451	-1.9161
107	60283-8	1.6344	3048.1	119.79	298.87	-.57486	.06485

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
108	60283-9	5.6300	1081.4	135.36	5622.5	4.1711	5.0873
109	60283-10	.57762	4813.1	131.69	171.16	.72715	-.17824
110	60273-1	2.8859	268.02	59.208	41.208	-.19369	-.34106
111	60273-2	8.6288	443.92	50.478	53.495	-.30330	-1.8687
112	CCV	489.35	7540.0	2498.9	506.53	4923.4	487.78
113	CCB	-.33585	-.40935	-.26330	-.60919	1.7283	.15218
114	60273-3	2.9476	146.59	72.731	55.239	-1.4875	-4.4985
115	60273-4	4.7004	-154.92	43.202	40.434	3.7647	-3.5637
116	60273-5	1.4347	333.97	45.812	60.603	-.39751	-2.3558
117	60273-6	4.1856	262.56	38.071	53.817	.92927	-2.4157
118	60273-7	3.1545	169.54	50.881	114.81	1.3422	-3.5077
119	60273-7L	-1.5293	-18.573	8.9198	23.437	1.9744	-6.0362
120	60273-7A	479.26	5141.2	540.04	604.61	1938.7	482.36
121	60273-7S	496.60	5169.2	580.72	627.18	2033.7	454.80
122	60273-7SD	487.36	5298.9	568.87	630.93	2025.0	411.05
123	CCV	497.99	7625.1	2533.8	512.32	4969.8	497.33
124	CCB	-.93150	93.983	1.0996	.24747	4.7635	-1.5374
125	RL	8.2810	1177.0	40.448	10.591	20.960	14.891
126	ICSA	.18434	17.113	-.96511	2.5511	-1.4236	.02948
127	ICSAB	1079.7	11.860	948.22	47.943	53.493	627.63
128	CCV	495.29	7573.4	2532.8	512.83	4980.5	499.60
129	CCB	-1.0615	133.38	-.24368	-.26117	.24161	-1.2391
130	CCV	479.34	7369.5	2453.4	494.37	4796.2	481.46
131	CCB	-.55520	36.995	-.27422	-.26999	1.9734	-.93095
132	PBW 177399	-.79881	165.81	.00002	2.3102	-2.1348	2.6779
133	60283-5 1/10	-.78133	118.71	9.9963	2650.6	-.11907	-.66115
134	RL ICP	9.1184	1038.1	39.836	11.805	19.055	15.549
135	RL ICP	10.107	1085.3	41.761	8.3713	20.154	16.784
136	ICSA61	-1.7051	259.77	-.03095	-1.5873	.20846	-4.3782
137	ICSAB61	1093.8	148.30	955.51	50.924	52.144	627.93
138	CCV	489.85	7475.0	2497.4	503.42	4901.6	494.02
139	CCB	.25094	65.827	.03965	-1.6443	-2.0039	-1.5965

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
1	HIGH STD 00032	9988.7	4978.2	997.62	9980.3	9996.3	4996.7
2	ICVP 00190	1075.4	1051.9	1016.0	1027.3	1049.8	1047.2
3	ICB	-1.3026	-.03910	.15289	1.0660	.54330	.39405
4	RL ICP 00044	51.577	10.497	10.133	25.745	10.206	20.968
5	ICSA61 00021	5.5870	2.4624	2.3552	-8.0317	-2.0070	5.0048
6	ICSAB61 00037	1169.3	2.4179	2.3963	102.34	523.81	997.26
7	CCVP 00072	5371.0	2609.2	516.16	5216.3	5350.9	2633.3
8	CCB	2.4364	.05443	.19697	6.6796	.39193	.00909
9	PBW 177473	1.4605	.03168	-.20286	-.14911	.30878	1.2004
10	LCSW-1	1055.6	526.00	715.09	2124.7	524.58	526.76
11	LCSW-1 (RL)	57.636	11.169	11.024	27.523	11.513	23.526
12	16115-1	2.4747	105.25	.11031	2.2919	.52930	32.794
13	16115-1L	1.8451	20.564	-.01700	2.7559	.20159	6.7436
14	16115-1A	1039.9	617.25	996.24	2070.9	507.67	535.94
15	29380-1	-1.1813	88.883	.50036	-.14627	2.8619	88.247
16	60337-1	1.2849	105.66	.15861	.60301	.19653	32.716
17	60345-1	1.3368	608.31	.36319	1.6815	.37252	7.7166
18	60345-1S	1113.2	1161.4	751.26	2217.7	555.93	559.20

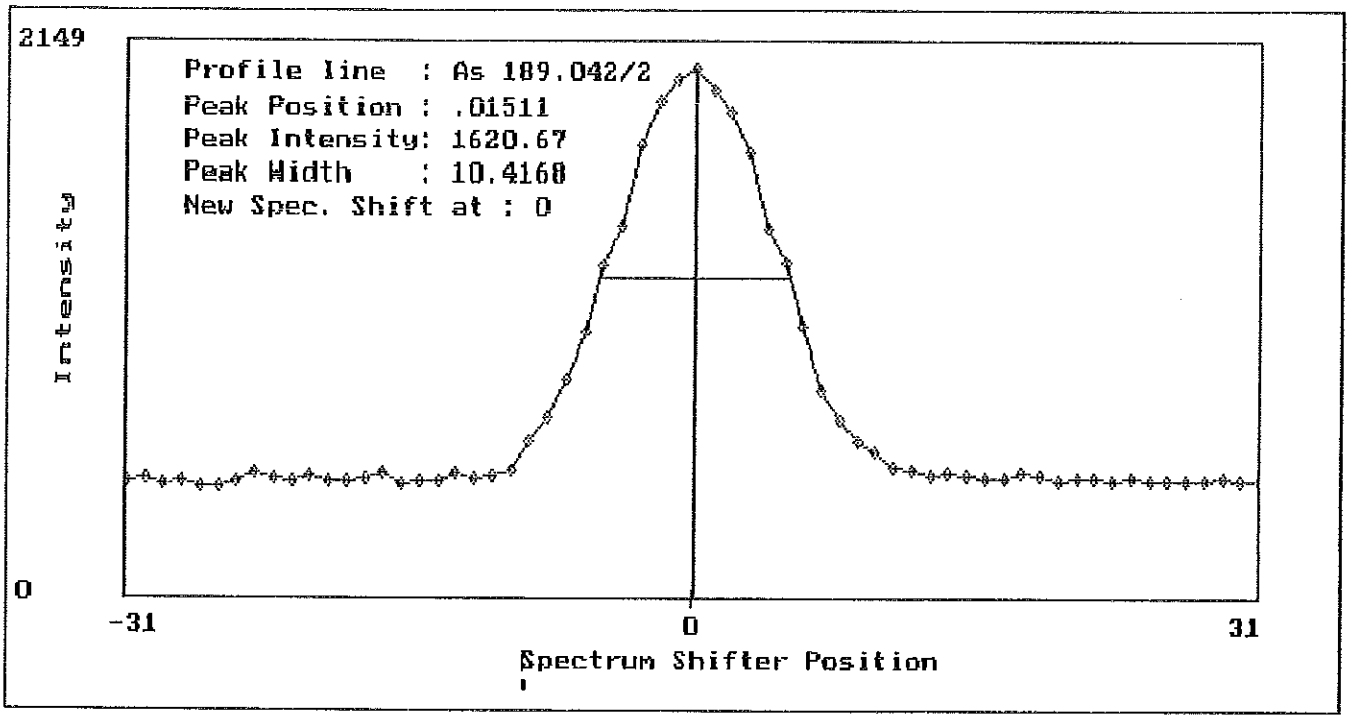
#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
19	CCV	5105.1	2486.3	494.84	4964.2	5132.1	2505.4
20	CCB	2.2581	.67911	.11503	5.7356	1.4300	.58354
21	60345-1SD	1045.2	1116.3	709.45	2093.6	523.42	522.27
22	60345-3	2.0245	591.49	.39813	5.0867	.71328	5.8739
23	60345-5	-1.5281	264.96	-.02122	3.3298	.56373	5.4640
24	60345-7	2.8444	16.573	1.1080	-.88860	.99132	3.3634
25	58368-1	-.30292	H12129.	.03436	.91822	-.09285	.26899
26	58368-1 1/10	1.1889	1296.4	-.19627	-3.4901	.18308	-.05310
27	PBW 177472	2.9095	.45359	-.09356	-2.7760	.12750	.74485
28	LCSW-1	1018.2	504.92	698.13	2059.7	516.19	511.48
29	LCSW-1 (RL)	68.478	13.734	13.682	38.302	14.114	28.483
30	60145-1	6.3455	106.50	.73731	-.35357	-1.1675	720.31
31	CCV	5064.4	2445.0	491.36	4909.6	5118.5	2491.6
32	CCB	1.9038	.45243	.20220	3.0000	.85786	.56726
33	60345-1	1.5037	576.26	-.06694	.92077	.57679	6.5766
34	60345-1S	1070.2	1113.4	724.36	2128.9	538.36	538.45
35	60345-1SD	1067.3	1104.6	722.11	2127.9	537.05	538.01
36	60345-3	2.6085	587.45	.45816	1.7552	.52109	4.8854
37	60345-5	1.6962	260.35	-.00953	-.31816	.29566	2.6226
38	60345-7	3.4306	15.905	-.02622	-.42405	-.17078	5.3259
39	60345-7L	1.9083	3.2865	.09581	2.6441	-.02018	8.0517
40	60345-7A	1029.5	512.77	991.52	2023.8	510.53	511.20
41	60244-1 1/10	4.1449	20.158	.80455	.01426	.33936	16.365
42	60349-1 1/10	1.0657	.19048	.00331	1.1092	-.17442	4745.3
43	CCV	5101.1	2447.3	494.76	4938.9	5169.3	2510.7
44	CCB	6.9415	.56644	.34814	3.8965	1.5497	.72624
45	60237-3 1/10	1.3063	1320.1	.05841	-2.4488	.75630	.77081
46	PBW 177430	1.4446	.16703	-.15795	-2.8118	.20295	1.9111
47	LCSW-1	1012.7	489.19	689.94	2034.2	515.97	511.77
48	60160-2	2.0245	2027.1	.81911	7.4899	1.2738	4.7505
49	60160-2L	2.3415	400.70	.14889	4.8586	.14066	.89178
50	60160-2A	1030.9	2487.9	985.56	2034.8	517.51	513.83
51	60160-2S	1021.7	2512.1	695.03	2019.6	519.96	511.07
52	60160-2SD	1049.5	2617.4	713.92	2071.8	533.38	522.72
53	60398-2	7.5027	33.322	4.4974	5.5320	1.0766	94.553
54	CCV	5128.2	2422.3	495.17	4917.3	5188.8	2534.3
55	CCB	2.8354	.51765	.26599	1.3086	1.4536	.54274
56	60296-1	.23113	38.731	10.088	2.8921	-.03540	45.075
57	60296-2	.60449	12.599	12.543	1.8671	1.3668	45.057
58	60296-3	.42109	90.600	13.972	3.2637	1.1979	22.476
59	60296-4	1.2259	82.032	.05538	-2.2434	.30018	5.7174
60	60296-5	1.2157	127.24	2.5447	-4.9678	-.20970	9.5196
61	60296-6	2.5443	44.559	2.5182	-.09932	.97891	12.648
62	60296-7	2.1007	130.45	6.8908	1.7056	.35551	12.688
63	60296-8	2.3775	.02097	.06728	.45150	.03482	1.6614
64	CCV	5093.2	2414.7	491.85	4903.9	5154.4	2517.0
65	CCB	3.0145	.41745	.24015	2.8386	.49415	.84143
66	PBW 177399	18.925	5.2681	.37878	1.1560	.49320	10.789
67	LCSS-1	1064.3	513.20	724.19	2116.4	543.85	538.32
68	60144-1	17.353	902.05	635.11	-6.7345	248.03	405.44
69	60144-1S	981.41	1297.6	1236.9	1915.8	739.33	862.40
70	60144-1SD	982.43	1307.5	1094.9	1921.0	726.57	873.85
71	60144-2	22.706	1260.4	552.76	2.2308	264.38	300.67
72	60144-3	17.887	1122.3	551.27	2.7456	300.98	504.57

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
73	60144-4	18.225	1303.4	389.04	-6.7215	225.65	282.09
74	60144-5	16.067	1042.9	640.72	-2.3969	362.65	364.35
75	60144-6	17.558	1338.8	696.11	-5.6379	280.42	365.10
76	CCV	5052.6	2380.1	488.08	4856.6	5120.5	2507.8
77	CCB	3.3598	.47450	.26780	7.3968	.87058	.78694
78	60144-7	18.501	1119.0	406.89	-1.3684	194.66	340.50
79	60379-6	12.456	36.765	1468.0	-2.4446	190.21	95.473
80	60379-6L	4.3017	7.2320	286.23	-2.5204	37.634	19.818
81	60379-6A	1054.5	531.58	2418.2	1987.0	691.51	591.04
82	60379-11	20.294	31.753	1032.6	-3.2654	229.22	69.771
83	60379-16	19.986	83.399	1987.8	-1.4431	163.80	138.21
84	60379-21	18.993	25.590	1068.1	-1.4527	122.78	63.721
85	60379-26	21.240	29.886	4187.7	-5.8404	182.60	183.23
86	60379-31	16.250	21.637	671.35	-.88610	158.38	51.889
87	60379-36	19.219	29.705	1303.6	-2.4147	160.09	89.446
88	CCV	5149.5	2427.1	497.35	4948.5	5197.8	2550.8
89	CCB	4.6319	.46391	.28091	.02071	1.3176	.88973
90	60379-41	20.398	20.481	3911.6	1.3889	119.00	162.03
91	60379-45	20.430	36.364	1827.4	-2.8330	203.29	137.73
92	60166-1	16.716	.09327	2.0954	.48499	.60236	17.065
93	60164-1	15.672	74.793	3.7355	1.5444	.78487	28.192
94	60187-10	49.015	659.33	1228.7	-3.7954	268.67	3338.9
95	60191-8	16.013	1125.6	197.65	-7.3700	158.79	127.66
96	PBW 177400	15.948	.06867	.22503	-2.8339	.22240	5.0667
97	LCSS-1	1095.3	527.05	740.65	2185.8	554.02	551.97
98	60283-1	111.66	970.35	503.58	-15.250	255.75	3480.7
99	60283-2	24.335	837.33	847.64	-7.5776	309.33	507.00
100	CCV	5160.6	2454.2	498.13	4972.1	5206.0	2555.3
101	CCB	.85164	.45232	.26607	4.1801	1.2409	.48944
102	60283-3	504.42	1284.9	534.48	-7.6319	216.96	7257.2
103	60283-4	22.074	897.32	476.75	-3.3402	249.52	730.83
104	60283-5	3676.5	1667.1	383.11	-10.465	230.28	5124.7
105	60283-6	34.408	825.45	559.85	-5.2310	274.08	545.96
106	60283-7	53.173	977.20	560.87	-5.5611	270.89	2139.8
107	60283-8	18.761	707.61	755.58	-5.9657	290.55	583.55
108	60283-9	262.71	1227.3	473.55	-4.9416	239.48	3062.0
109	60283-10	24.297	571.64	775.98	-1.2233	297.12	493.23
110	60273-1	22.004	113.05	3235.4	-3.2778	167.80	270.26
111	60273-2	24.504	116.92	3874.4	-1.7604	124.03	301.51
112	CCV	5142.5	2455.4	498.90	4968.2	5183.5	2541.5
113	CCB	2.1516	.54215	.69111	5.9657	1.6299	.64947
114	60273-3	24.267	151.26	3839.8	-2.2077	155.97	328.05
115	60273-4	21.648	107.36	4261.4	-.18817	166.08	237.37
116	60273-5	17.978	110.47	3312.0	2.6907	116.95	230.08
117	60273-6	16.926	81.321	3577.5	-3.4443	126.12	244.80
118	60273-7	19.111	85.799	3148.5	-3.8336	128.32	235.76
119	60273-7L	5.3727	16.982	627.81	-.90877	26.370	48.236
120	60273-7A	1058.7	584.06	4086.1	2007.1	632.39	735.77
121	60273-7S	1074.9	627.74	5045.3	2101.3	689.99	803.36
122	60273-7SD	1060.9	602.29	4195.7	2092.7	666.93	786.80
123	CCV	5195.2	2491.5	504.66	5037.6	5250.2	2572.3
124	CCB	.16661	.66825	.63673	3.9718	1.9854	.75727
125	RL	51.503	10.230	10.175	24.488	10.747	21.111
126	ICSA	3.9906	2.4275	2.5390	-13.371	-.41723	6.1991

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
127	ICSAB	1149.3	2.3122	2.3781	92.439	520.02	990.64
128	CCV	5212.1	2491.2	502.60	5038.3	5261.8	2571.8
129	CCB	1.8369	.56042	.34775	4.0754	1.5335	.67627
130	CCV	5039.4	2382.0	485.28	4837.1	5087.9	2497.7
131	CCB	2.3213	.01174	.19548	2.7976	.14700	-.20255
132	PBW 177399	13.460	4.3673	.38076	.15077	.46704	6.9440
133	60283-5 1/10	370.07	172.11	38.397	-3.0773	24.026	545.07
134	RL ICP	52.609	10.086	10.100	22.705	10.731	21.169
135	RL ICP	53.200	10.198	10.078	23.108	10.361	20.698
136	ICSA61	6.6337	2.3601	2.1639	-8.9575	-1.0490	4.7135
137	ICSAB61	1158.7	2.3297	2.3128	93.827	521.66	998.39
138	CCV	5132.5	2451.0	493.12	4953.6	5155.5	2540.5
139	CCB	3.1548	.01937	.13811	2.9560	.40410	.07081

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
1	HIGH STD 00032	1004.2	1000.4	9956.6	10006.	952.114
2	ICVP 00190	1038.6	1035.3	1036.9	1055.1	942.723
3	ICB	.87739	1.9008	1.4101	-2.2447	938.472
4	RL ICP 00044	8.8165	9.3815	20.018	23.818	955.418
5	ICSA61 00021	-17.938	8.9462	-5.3527	4.7125	880.186
6	ICSAB61 00037	38.384	59.210	48.699	55.147	880.838
7	CCVP 00072	528.69	524.34	5229.9	5224.4	926.548
8	CCB	-.83784	1.4683	5.3601	-1.8753	953.044
9	PBW 177473	.13552	1.5942	5.7521	5.8130	973.732
10	LCSW-1	520.70	513.92	2088.0	2103.1	977.676
11	LCSW-1 (RL)	10.440	8.8596	23.089	22.566	967.681
12	16115-1	-.78315	.20057	-4.6648	.87291	955.838
13	16115-1L	-1.1032	-1.1590	-7.1354	-3.0257	971.697
14	16115-1A	499.89	494.15	2021.8	2026.9	962.798
15	29380-1	-.24353	1.9408	-3.8564	2.3140	965.848
16	60337-1	7.9549	5.1768	-1.8636	-.65615	968.854
17	60345-1	1.0381	.46655	-1.7441	6.7300	961.678
18	60345-1S	545.99	538.83	2198.9	2185.8	942.611
19	CCV	504.97	499.03	5023.3	4962.3	966.507
20	CCB	-.16413	-.59195	-.45040	4.4643	961.096
21	60345-1SD	510.25	506.09	2070.2	2037.5	965.266
22	60345-3	-1.7512	1.2648	-.63223	2.4922	968.897
23	60345-5	2.2818	.87317	.35379	-2.0378	967.108
24	60345-7	3.3787	.41066	6.4026	6.7229	981.302
25	58368-1	2.0433	-.64825	-3.2322	-4.6262	963.991
26	58368-1 1/10	2.1342	.25135	-2.6558	.90192	980.24
27	PBW 177472	.90275	-.08531	-1.5437	.24459	1007.27
28	LCSW-1	508.85	498.89	2057.6	2001.3	990.778
29	LCSW-1 (RL)	13.190	15.168	32.578	26.481	980.99
30	60145-1	6.1588	4.2886	-4.8494	-1.0325	946.988
31	CCV	506.59	492.14	4988.3	4864.4	995.833
32	CCB	.30644	-.48794	3.9041	.92726	986.209
33	60345-1	-.33051	1.0748	7.0850	4.0047	980.692
34	60345-1S	529.65	515.08	2146.6	2084.8	969.479
35	60345-1SD	527.14	516.30	2124.2	2045.1	971.582
36	60345-3	-.30688	1.0566	-2.5595	2.0704	987.123
37	60345-5	-.03060	1.0779	-3.0566	-.82220	986.473

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
38	60345-7	.51211	.01929	1.8929	-.39600	981.875
39	60345-7L	1.5778	-.09037	-1.9096	.19372	995.785
40	60345-7A	503.60	490.68	2018.6	1949.4	987.329
41	60244-1 1/10	-.29332	-.19634	-1.2047	-.38493	974.636
42	60349-1 1/10	.34363	3.8883	-6.7190	.57565	986.315
43	CCV	511.63	492.81	5046.1	4853.1	975.04
44	CCB	-1.3815	1.5334	-1.1591	.67451	980.341
45	60237-3 1/10	-1.1419	-.44390	3.8143	.24998	984.977
46	PBW 177430	-.22515	.67196	2.2076	3.1878	982.221
47	LCSW-1	514.74	495.56	2051.0	1960.0	988.724
48	60160-2	.25482	.54843	-.44662	-.74657	973.462
49	60160-2L	3.6111	-.42245	2.9746	3.4093	968.551
50	60160-2A	505.93	490.52	2033.5	1950.9	982.192
51	60160-2S	510.98	488.90	2014.4	1943.9	976.858
52	60160-2SD	522.09	505.89	2067.3	1977.0	961.524
53	60398-2	1.5980	4.3486	-1.0526	3.9206	985.684
54	CCV	516.36	497.54	5053.2	4858.6	980.384
55	CCB	1.1876	2.1073	3.6006	7.2287	953.746
56	60296-1	-.46197	1.0803	-4.9327	2.4716	973.712
57	60296-2	2.9503	4.1076	-.77391	-1.1105	975.963
58	60296-3	-.86825	-.05468	-5.0734	.59757	975.737
59	60296-4	1.0506	-1.0534	-4.0539	1.1866	977.238
60	60296-5	-.38157	.20269	1.0559	3.3635	971.5
61	60296-6	-2.5499	-.53073	-2.6480	4.6791	951.216
62	60296-7	-3.2667	.01756	-5.0195	2.8402	976.829
63	60296-8	1.5265	.77759	-.90379	3.3882	977.993
64	CCV	510.38	496.61	5046.3	4827.0	980.177
65	CCB	-1.3792	1.7165	.36881	3.2475	970.49
66	PBW 177399	1.9610	3.4197	-2.4834	3.1430	965.506
67	LCSS-1	537.49	520.08	2093.6	2006.4	962.818
68	60144-1	163.22	159.12	.40211	2.6648	974.578
69	60144-1S	641.28	625.56	1965.8	1871.7	979.475
70	60144-1SD	657.18	640.00	1956.9	1871.0	984.121
71	60144-2	168.53	166.62	-5.5351	2.4449	964.136
72	60144-3	292.43	287.60	-.18536	7.8295	956.723
73	60144-4	99.282	98.669	-1.3806	4.6825	988.869
74	60144-5	93.920	93.269	.53099	4.2036	951.283
75	60144-6	87.112	84.011	-1.2830	4.1878	975.353
76	CCV	512.02	491.04	4999.2	4796.4	981.509
77	CCB	.96779	-.55220	-2.8212	3.5751	971.384
78	60144-7	109.32	104.72	4.8324	6.2956	992.611
79	60379-6	41.821	40.176	-1.1011	1.1242	963.26
80	60379-6L	6.8541	8.8861	3.6115	-2.5641	975.199
81	60379-6A	539.07	519.13	1959.6	1875.9	967.435
82	60379-11	112.75	108.69	-1.2318	-.09706	972.452
83	60379-16	366.02	353.51	-3.6819	9.2636	962.303
84	60379-21	45.776	46.239	-3.8072	5.9259	965.025
85	60379-26	42.565	40.189	-1.1282	7.3881	970.268
86	60379-31	46.623	47.329	-4.4021	.79263	966.483
87	60379-36	95.279	87.724	-1.6041	1.6337	960.201
88	CCV	515.99	498.50	5061.4	4837.7	964.453
89	CCB	.57891	.39780	2.7551	2.2722	972.972
90	60379-41	33.626	32.104	-4.6036	5.2875	979.282
91	60379-45	44.356	42.705	-2.5008	-2.4520	963.621


2149
Profile line : As 189.042/2
Peak Position : .01511
Peak Intensity: 1620.67
Peak Width : 10.4160
New Spec. Shift at : 0
Intensity
0
-31
0
31
Spectrum Shifter Position

P081810

Method: 2PTTR2 Standard Name: CALBLK Operator: BCB
Run Time: 08/18/10 16:52:17
Comment:
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	-.008691	.8603278	.8603278	-.048265	.5559690	-.001028	-.081837
SDev	.003597	.0280068	.0280068	.163583	.0008989	.004342	.001634
%RSD	41.38557	3.255362	3.255362	338.9244	.1616831	422.4440	1.996342
#1	-.006148	.8801317	.8801317	-.163936	.5553334	-.004098	-.082993
#2	-.011234	.8405241	.8405241	.0674053	.5566046	.0020426	-.080682
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	.0649546	-.010233	-.016870	.0040967	.2659628	.0107335	.0107335
SDev	.0020215	.002917	.007918	.0043494	.0022853	.0064854	.0064854
%RSD	3.112164	28.50367	46.93712	106.1659	.8592504	60.42240	60.42240
#1	.0635252	-.012295	-.011271	.0071722	.2643469	.0061476	.0061476
#2	.0663840	-.008170	-.022468	.0010213	.2675787	.0153194	.0153194
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	.1815904	.0000000	.0000000	.0056221	.0153508	-.002053	-.070043
SDev	.0156051	.0000000	.0000000	.0036038	.0058217	.005791	.025156
%RSD	8.593567	.0000000	.0000000	64.10092	37.92464	282.1591	35.91576
#1	.1926248	.0000000	.0000000	.0030738	.0194674	-.006148	-.052255
#2	.1705559	.0000000	.0000000	.0081703	.0112342	.0020426	-.087831
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	.0604200	-.045010	.0035828	-.013298	-.066967	.0020525	.0035844
SDev	.0580046	.000103	.0021782	.000030	.030950	.0057913	.0036249
%RSD	96.00229	.2286210	60.79565	.2286183	46.21666	282.1591	101.1271
#1	.1014354	-.045082	.0051230	-.013320	-.045082	.0061476	.0061476
#2	.0194046	-.044937	.0020426	-.013277	-.088852	-.002043	.0010213
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	.0192871	.0163539	-.157043	-.027190
SDev	.1301554	.0115359	.018442	.071672
%RSD	674.8295	70.53908	11.74347	263.5971
#1	-.072747	.0081968	-.170084	-.077870
#2	.1113209	.0245110	-.144002	.0234897
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	978	--	--	--	--	--	--
SDev	2.234913	--	--	--	--	--	--
%RSD	.2286191	--	--	--	--	--	--
#1	976	--	--	--	--	--	--
#2	979	--	--	--	--	--	--

Method: 2PTTR2 Standard Name: HIGH STD Operator: BCB
Run Time: 08/18/10 17:02:19
Comment: 00032
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	17.25781	44.32164	44.31799	31.91048	173.0327	799.8958	95.28444
SDev	.10609	.18418	.18342	.00339	1.1303	4.4926	.49748
%RSD	.6147365	.4155495	.4138673	.0106254	.6532269	.5616446	.5220955
#1	17.18279	44.19140	44.18830	31.90808	172.2335	796.7190	94.93267
#2	17.33282	44.45187	44.44769	31.91288	173.8320	803.0725	95.63621
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	11.92464	50.98361	26.01817	181.1388	256.9993	6.389131	6.389131
SDev	.07515	.31639	.20896	1.0205	1.1025	.019993	.019993
%RSD	.6302207	.6205693	.8031339	.5633571	.4289820	.3129186	.3129186
#1	11.87150	50.75989	25.87041	180.4172	256.2197	6.374994	6.374994
#2	11.97778	51.20733	26.16592	181.8603	257.7788	6.403268	6.403268
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	45.21912	2.062135	2.062135	621.3791	11.43027	.8121505	191.7414
SDev	.20079	.011581	.011581	3.5045	.10182	.0001632	1.3040
%RSD	.4440355	.5615833	.5615833	.5639948	.8907755	.0200887	.6800590
#1	45.07714	2.053946	2.053946	618.9011	11.35827	.8122659	190.8194
#2	45.36109	2.070324	2.070324	623.8572	11.50226	.8120351	192.6634
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	15.83853	145.7162	730.9302	38.18845	123.3419	148.0236	49.08481
SDev	.15492	.9159	5.5878	.20128	.4208	.7387	.32360
%RSD	.9781275	.6285256	.7644781	.5270771	.3411609	.4990556	.6592756
#1	15.72899	145.0686	726.9790	38.04612	123.0443	147.5013	48.85598
#2	15.94808	146.3639	734.8813	38.33078	123.6394	148.5460	49.31363
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	39.59166	39.55051	157.7506	137.7131
SDev	.31558	.00131	.9896	.5727

%RSD	.7970789	.0033146	.6273125	.4158887
#1	39.36851	39.54959	157.0508	137.3081
#2	39.81480	39.55144	158.4503	138.1181
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	962	--	--	--	--	--	--
SDev	6.772067	--	--	--	--	--	--
%RSD	.7042179	--	--	--	--	--	--
#1	966	--	--	--	--	--	--
#2	957	--	--	--	--	--	--

Method: 2PTTR2
Mode: Concentration
Standards Table: 2PTONLY
Data File: DD081810

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
Ag	328.068	08/18/10 05:09	Linear	1.000000
Al	308.215	08/18/10 05:09	Linear	1.000000
2Al	308.215	08/18/10 05:09	Linear	1.000000
As	189.042/2	08/18/10 05:09	Linear	1.000000
B	249.678/2	08/18/10 05:09	Linear	1.000000
Ba	493.409	08/18/10 05:09	Linear	1.000000
Be	313.042	08/18/10 05:09	Linear	1.000000
Ca	317.933	08/18/10 05:09	Linear	1.000000
Cd	226.502/2	08/18/10 05:09	Linear	1.000000
Co	228.616	08/18/10 05:09	Linear	1.000000
Cr	267.716	08/18/10 05:09	Linear	1.000000
Cu	324.753	08/18/10 05:09	Linear	1.000000
Fe	271.441	08/18/10 05:09	Linear	1.000000
2Fe	271.441	08/18/10 05:09	Linear	1.000000
K	766.491	08/18/10 05:09	Linear	1.000000
Mg	279.078	08/18/10 05:09	Linear	1.000000
2Mg	279.078	08/18/10 05:09	Linear	1.000000
Mn	257.610	08/18/10 05:09	Linear	1.000000
Mo	202.030/2	08/18/10 05:09	Linear	1.000000
Na	330.231	08/18/10 05:09	Linear	1.000000
Ni	231.604/2	08/18/10 05:09	Linear	1.000000
Sb	206.838/2	08/18/10 05:09	Linear	1.000000
Sn	189.989	08/18/10 05:09	Linear	1.000000
Sr	421.542	08/18/10 05:09	Linear	1.000000
Ti	334.941	08/18/10 05:09	Linear	1.000000
Tl	190.864/2	08/18/10 05:09	Linear	1.000000
V	292.402	08/18/10 05:09	Linear	1.000000
Zn	206.200	08/18/10 05:09	Linear	1.000000
2203/1	220.351	08/18/10 05:09	Linear	1.000000
2203/2	220.352/2	08/18/10 05:09	Linear	1.000000

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
1960/1	196.021	08/18/10 05:09	Linear	1.000000
1960/2	196.022/2	08/18/10 05:09	Linear	1.000000

Element:	Ag	Al	2Al	As	B
Wavelength:	328.068	308.215	308.215	189.042/2	249.678/2
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	04/27/99	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	16:03	STDIZED
Offset (A0):	-.008691	.860328	.860328	-.048265	.555969
Gain (A1):	.017266	.004269	4.26851	.032856	.01725
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	08/18/10	08/18/10	08/18/10	08/18/10	08/18/10
Time of Fit:	17:09	17:09	17:09	17:09	17:09

Element:	Ba	Be	Ca	Cd	Co
Wavelength:	493.409	313.042	317.933	226.502/2	228.616
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.001028	-.081837	.064955	-.010233	-.01687
Gain (A1):	.07999	.095356	.001186	.05095	.026042
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	08/18/10	08/18/10	08/18/10	08/18/10	08/18/10
Time of Fit:	17:09	17:09	17:09	17:09	17:09

Element:	Cr	Cu	Fe	2Fe	K
Wavelength:	267.716	324.753	271.441	271.441	766.491
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1

Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	.004097	.265963	.010733	.010733	.18159
Gain (A1):	.018117	.025676	.000644	.644022	.002252
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	08/18/10	08/18/10	08/18/10	08/18/10	08/18/10
Time of Fit:	17:09	17:09	17:09	17:09	17:09

Element:	Mg	2Mg	Mn	Mo	Na
Wavelength:	279.078	279.078	257.610	202.030/2	330.231
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-51e-18	39e-18	.005622	.015351	-.002053
Gain (A1):	.000208	.207877	.062144	.011415	.000056
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	08/18/10	08/18/10	08/18/10	08/18/10	08/18/10
Time of Fit:	17:09	17:09	17:09	17:09	17:09

Element:	Ni	Sm	Sm	Sb	Sn
Wavelength:	231.604/2	220.353	196.026	206.838/2	189.989
Y - intercept:	0	0	0	0	0
Slope:	1	0	0	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.070043	0	0	.06042	-.04501
Gain (A1):	.038367	1	1	.014939	.014579
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	08/18/10	NO FIT	NO FIT	08/18/10	08/18/10
Time of Fit:	17:09			17:09	17:09

Element:	Sr	Ti	Tl	V	Zn
Wavelength:	421.542	334.941	190.864/2	292.402	206.200
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	04/27/99	NOT	NOT
Time Standardized:	STDIZED	STDIZED	16:03	STDIZED	STDIZED
Offset (A0):	.003583	-.013298	-.066967	.002053	.003584
Gain (A1):	.146185	.038205	.012382	.014857	.009844
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	08/18/10	08/18/10	08/18/10	08/18/10	08/18/10
Time of Fit:	17:09	17:09	17:09	17:09	17:09

Element:	Pb	Pb	Se	Se
Wavelength:	220.351	220.352/2	196.021	196.022/2
Y - intercept:	0	0	0	0
Slope:	1	1	1	1
Date Standardized:	04/27/99	04/27/99	04/27/99	04/27/99
Time Standardized:	16:03	16:03	16:03	16:03
Offset (A0):	.019287	.016354	-.157043	-.02719
Gain (A1):	.039315	.039666	.015784	.013773
Curvature (A2):	0	0	0	0
Exponent (n):	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE
Date of Fit:	08/18/10	08/18/10	08/18/10	08/18/10
Time of Fit:	17:09	17:09	17:09	17:09

Method: 2PTTR2 Sample Name: HIGH STD 00032 Operator: BCB
Run Time: 08/18/10 17:09:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Units	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	996.14	9924.9	9.9254	999.53	10024.	9967.0	1001.4
SDev	5.80	47.4	.0476	11.22	44.	50.1	6.4
%RSD	.58209	.47756	.47930	1.1229	.43866	.50231	.63898
#1	992.04	9891.4	9.8918	991.60	9993.0	9931.6	996.88

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
92	60166-1	2.1059	.01906	.36540	-3.9071	958.744
93	60164-1	4.4957	2.6352	-6.9217	2.5365	942.885
94	60187-10	590.87	575.31	-4.7648	3.5544	957.406
95	60191-8	38.593	40.895	-3.8720	-1.7165	888.123
96	PBW 177400	.16890	-.73702	-4.0555	.37689	954.323
97	LCSS-1	546.28	534.61	2137.8	2078.6	952
98	60283-1	16404.	16031.	-3.9080	12.199	918.734
99	60283-2	504.84	505.21	-9.7594	5.8893	946.671
100	CCV	517.34	503.28	5062.0	4889.3	953.082
101	CCB	2.1246	3.5313	-.67098	.25966	954.679
102	60283-3	16041.	15617.	1.3340	5.2753	905.314
103	60283-4	813.98	802.30	1.4341	2.2639	953.26
104	60283-5	26292.	25701.	9.3188	.48525	915.271
105	60283-6	598.90	588.76	-3.6617	7.5905	964.492
106	60283-7	4324.7	4232.4	2.1134	5.6091	940.456
107	60283-8	297.13	299.74	-3.1707	.72109	970.389
108	60283-9	5704.2	5581.7	3.5518	4.4803	935.66
109	60283-10	169.29	172.10	-2.0868	2.1320	980.99
110	60273-1	43.513	40.058	-4.8342	2.1231	1004.29
111	60273-2	56.256	52.116	-6.7519	2.9162	996.983
112	CCV	519.09	500.25	5028.9	4870.7	957.363
113	CCB	-.20103	-.81296	1.0816	2.0512	954.16
114	60273-3	57.801	53.960	-5.0230	.27753	981.235
115	60273-4	44.354	38.476	3.7983	3.7479	970.985
116	60273-5	64.264	58.775	-3.5791	1.1909	977.397
117	60273-6	55.691	52.881	-.54685	1.6662	990.158
118	60273-7	117.91	113.26	.41811	1.8036	963.799
119	60273-7L	23.619	23.347	-1.3730	3.6456	949.282
120	60273-7A	618.55	597.65	1979.4	1918.4	955.598
121	60273-7S	638.75	621.40	2072.9	2014.1	954.516
122	60273-7SD	642.34	625.24	2064.3	2005.4	964.145
123	CCV	519.48	508.74	5081.0	4914.2	945.377
124	CCB	.60172	.07061	1.4029	6.4413	952.149
125	RL	10.530	10.622	22.320	20.280	941.962
126	ICSA	-10.203	8.9187	-6.9135	1.3173	859.254
127	ICSAB	33.909	54.949	42.406	59.029	862.144
128	CCV	520.54	508.97	5079.8	4931.0	938.431
129	CCB	1.1132	-.94732	-1.3003	1.0114	932.231
130	CCV	507.85	487.63	4930.0	4729.5	950.432
131	CCB	.53583	-.67230	1.5861	2.1668	943.453
132	PBW 177399	1.6873	2.6212	-7.2518	.41980	910.697
133	60283-5 1/10	2716.7	2617.6	.30331	-.32995	933.01
134	RL ICP	12.277	11.570	20.185	18.490	946.541
135	RL ICP	8.1430	8.4853	17.603	21.427	921.793
136	ICSA61	-13.736	4.4778	.94115	-.15733	850.562
137	ICSAB61	39.514	56.621	53.316	51.559	854.28
138	CCV	509.22	500.52	4993.8	4855.5	936.964
139	CCB	.03316	-2.4817	-3.7751	-1.1197	934.636

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
HIGH STD 00032	Ag	996.13702	992.03692	1000.23712	0.58208	ug/L	08/18/10	17:09	
HIGH STD 00032	Al	9924.91601	9891.40039	9958.43066	0.47756	ug/L	08/18/10	17:09	
HIGH STD 00032	2Al	9.92539	9.89175	9.95903	0.47929	mg/L	08/18/10	17:09	
HIGH STD 00032	As	999.53344	991.59729	1007.46954	1.12286	ug/L	08/18/10	17:09	
HIGH STD 00032	B	10024.05273	9992.95996	10055.14550	0.43866	ug/L	08/18/10	17:09	
HIGH STD 00032	Ba	9966.95312	9931.55175	10002.35449	0.50231	ug/L	08/18/10	17:09	
HIGH STD 00032	Be	1001.40161	996.87695	1005.92620	0.63898	ug/L	08/18/10	17:09	
HIGH STD 00032	Ca	9980.62304	9943.52050	10017.72558	0.52572	ug/L	08/18/10	17:09	
HIGH STD 00032	Cd	998.32373	995.50262	1001.14483	0.39963	ug/L	08/18/10	17:09	
HIGH STD 00032	Co	997.99291	995.89691	1000.08898	0.29702	ug/L	08/18/10	17:09	
HIGH STD 00032	Cr	10004.47167	9965.62597	10043.31738	0.54911	ug/L	08/18/10	17:09	
HIGH STD 00032	Cu	9948.87402	9914.45312	9983.29492	0.48928	ug/L	08/18/10	17:09	
HIGH STD 00032	Fe	9975.44042	9952.98339	9997.89746	0.31837	ug/L	08/18/10	17:09	
HIGH STD 00032	2Fe	9.97544	9.95298	9.99790	0.31838	mg/L	08/18/10	17:09	
HIGH STD 00032	K	19931.62500	19878.50000	19984.75195	0.37694	ug/L	08/18/10	17:09	
HIGH STD 00032	Mg	9980.53710	9950.04003	10011.03417	0.43213	ug/L	08/18/10	17:09	
HIGH STD 00032	2Mg	9.98054	9.95004	10.01104	0.43218	mg/L	08/18/10	17:09	
HIGH STD 00032	Mn	10001.90429	9966.88769	10036.92089	0.49511	ug/L	08/18/10	17:09	
HIGH STD 00032	Mo	1001.41760	996.27825	1006.55700	0.72578	ug/L	08/18/10	17:09	
HIGH STD 00032	Na	14823.82421	14851.28417	14796.36523	0.26196	ug/L	08/18/10	17:09	
HIGH STD 00032	Ni	4978.78564	4962.86035	4994.71093	0.45235	ug/L	08/18/10	17:09	
HIGH STD 00032	Pb	1001.66113	996.07128	1007.25091	0.78920	ug/L	08/18/10	17:09	
HIGH STD 00032	Se	9989.42968	9935.22070	10043.63867	0.76744	ug/L	08/18/10	17:09	
HIGH STD 00032	Sb	992.95269	987.29858	998.60681	0.80528	ug/L	08/18/10	17:09	
HIGH STD 00032	Sn	9988.69335	9955.18554	10022.20117	0.47440	ug/L	08/18/10	17:09	
HIGH STD 00032	Sr	4978.22070	4975.55957	4980.88183	0.07559	ug/L	08/18/10	17:09	
HIGH STD 00032	Ti	997.62121	994.15606	1001.08636	0.49121	ug/L	08/18/10	17:09	
HIGH STD 00032	Tl	9980.31445	9955.38378	10005.24511	0.35326	ug/L	08/18/10	17:09	
HIGH STD 00032	V	9996.31640	9965.76953	10026.86425	0.43216	ug/L	08/18/10	17:09	
HIGH STD 00032	Zn	4996.65234	4980.09765	5013.20654	0.46854	ug/L	08/18/10	17:09	
HIGH STD 00032	2203/1	1004.21582	1000.27557	1008.15612	0.55489	ug/L	08/18/10	17:09	
HIGH STD 00032	2203/2	1000.37683	993.96356	1006.79003	0.90662	ug/L	08/18/10	17:09	
HIGH STD 00032	1960/1	9956.58007	9899.28808	10013.87304	0.81377	ug/L	08/18/10	17:09	
HIGH STD 00032	1960/2	10005.83007	9953.16015	10058.49902	0.74442	ug/L	08/18/10	17:09	
HIGH STD 00032	Y	952.11425	957.69293	946.53552	0.82862		08/18/10	17:09	
ICVP 00190	Ag	1012.81842	1011.30657	1014.33026	0.21110	ug/L	08/18/10	17:20	
ICVP 00190	Al	1031.96215	1032.27832	1031.64611	0.04331	ug/L	08/18/10	17:20	
ICVP 00190	2Al	1.03205	1.03236	1.03173	0.04331	mg/L	08/18/10	17:20	
ICVP 00190	As	1035.74304	1033.47705	1038.00903	0.30940	ug/L	08/18/10	17:20	
ICVP 00190	B	1042.31689	1042.33740	1042.29638	0.00278	ug/L	08/18/10	17:20	
ICVP 00190	Ba	1024.29199	1023.36572	1025.21838	0.12789	ug/L	08/18/10	17:20	
ICVP 00190	Be	1034.27526	1034.33935	1034.21118	0.00876	ug/L	08/18/10	17:20	
ICVP 00190	Ca	1057.89404	1058.03930	1057.74890	0.01941	ug/L	08/18/10	17:20	
ICVP 00190	Cd	1043.05810	1043.64660	1042.46948	0.07979	ug/L	08/18/10	17:20	
ICVP 00190	Co	1033.05273	1033.54821	1032.55712	0.06783	ug/L	08/18/10	17:20	
ICVP 00190	Cr	1042.64404	1042.62243	1042.66552	0.00292	ug/L	08/18/10	17:20	
ICVP 00190	Cu	1023.82476	1021.71301	1025.93652	0.29169	ug/L	08/18/10	17:20	
ICVP 00190	Fe	1021.61242	1027.52600	1015.69879	0.81861	ug/L	08/18/10	17:20	
ICVP 00190	2Fe	1.02191	1.02782	1.01600	0.81828	mg/L	08/18/10	17:20	
ICVP 00190	K	20187.87500	20153.10742	20222.64453	0.24356	ug/L	08/18/10	17:20	
ICVP 00190	Mg	1072.26818	1075.81286	1068.72351	0.46750	ug/L	08/18/10	17:20	
ICVP 00190	2Mg	1.07226	1.07580	1.06871	0.46722	mg/L	08/18/10	17:20	
ICVP 00190	Mn	1040.02221	1039.67919	1040.36523	0.04664	ug/L	08/18/10	17:20	
ICVP 00190	Mo	1047.61718	1046.18078	1049.05346	0.19389	ug/L	08/18/10	17:20	
ICVP 00190	Na	10232.25585	10287.95703	10176.55566	0.76984	ug/L	08/18/10	17:20	
ICVP 00190	Ni	1035.03564	1034.13647	1035.93469	0.12284	ug/L	08/18/10	17:20	
ICVP 00190	Pb	1036.42041	1036.02929	1036.81152	0.05336	ug/L	08/18/10	17:20	
ICVP 00190	Se	1049.03125	1053.09997	1044.96252	0.54851	ug/L	08/18/10	17:20	
ICVP 00190	Sb	996.48760	1001.01806	991.95715	0.64296	ug/L	08/18/10	17:20	
ICVP 00190	Sn	1075.35595	1074.03454	1076.67724	0.17377	ug/L	08/18/10	17:20	
ICVP 00190	Sr	1051.92346	1050.34826	1053.49865	0.21177	ug/L	08/18/10	17:20	
ICVP 00190	Ti	1016.04138	1014.47741	1017.60540	0.21769	ug/L	08/18/10	17:20	
ICVP 00190	Tl	1027.26062	1025.50695	1029.01428	0.24142	ug/L	08/18/10	17:20	
ICVP 00190	V	1049.79516	1048.91772	1050.67248	0.11819	ug/L	08/18/10	17:20	
ICVP 00190	Zn	1047.24182	1048.59606	1045.88757	0.18288	ug/L	08/18/10	17:20	
ICVP 00190	2203/1	1038.58068	1040.80627	1036.35510	0.30305	ug/L	08/18/10	17:20	
ICVP 00190	2203/2	1035.34179	1033.64428	1037.03930	0.23186	ug/L	08/18/10	17:20	
ICVP 00190	1960/1	1036.93041	1038.46215	1035.39855	0.20891	ug/L	08/18/10	17:20	
ICVP 00190	1960/2	1055.07263	1060.40795	1049.73730	0.71514	ug/L	08/18/10	17:20	
ICVP 00190	Y	942.72277	941.84216	943.60333	0.13209		08/18/10	17:20	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICB	Ag	0.37991	0.38004	0.37978	0.04847	ug/L	08/18/10	17:27	
ICB	Al	5.50402	9.40482	1.60323	100.22768	ug/L	08/18/10	17:27	
ICB	2Al	0.00550	0.00940	0.00160	100.22793	mg/L	08/18/10	17:27	
ICB	As	-2.51948	-2.64536	-2.39360	7.06585	ug/L	08/18/10	17:27	
ICB	B	26.73066	26.88399	26.57733	0.81121	ug/L	08/18/10	17:27	
ICB	Ba	-0.02708	-0.05368	-0.00048	138.88999	ug/L	08/18/10	17:27	
ICB	Be	0.00338	0.00986	-0.00308	270.32864	ug/L	08/18/10	17:27	
ICB	Ca	-0.41138	-0.91829	0.09551	174.25656	ug/L	08/18/10	17:27	
ICB	Cd	-0.31082	-0.48753	-0.13412	80.39736	ug/L	08/18/10	17:27	
ICB	Co	0.70993	0.60726	0.81260	20.45286	ug/L	08/18/10	17:27	
ICB	Cr	0.09756	0.00899	0.18613	128.38404	ug/L	08/18/10	17:27	
ICB	Cu	0.61862	0.46185	0.77539	35.83883	ug/L	08/18/10	17:27	
ICB	Fe	-5.94819	-11.74430	-0.15207	137.80557	ug/L	08/18/10	17:27	
ICB	2Fe	-0.00594	-0.01174	-0.00015	137.81297	mg/L	08/18/10	17:27	
ICB	K	-9.66024	-10.68150	-8.63898	14.95074	ug/L	08/18/10	17:27	
ICB	Mg	-2.56676	-0.00145	-5.13208	141.34117	ug/L	08/18/10	17:27	
ICB	2Mg	-0.00256	0.00000	-0.00513	141.45703	mg/L	08/18/10	17:27	
ICB	Mn	0.08965	0.08087	0.09844	13.85430	ug/L	08/18/10	17:27	
ICB	Mo	0.42901	0.24044	0.61757	62.16034	ug/L	08/18/10	17:27	
ICB	Na	17.90847	-77.83426	113.65120	756.07061	ug/L	08/18/10	17:27	
ICB	Ni	0.01751	0.57467	-0.53964	4497.81347	ug/L	08/18/10	17:27	
ICB	Pb	1.56003	0.65585	2.46421	81.96612	ug/L	08/18/10	17:27	
ICB	Se	-1.02766	0.15212	-2.20744	162.35533	ug/L	08/18/10	17:27	
ICB	Sb	-3.89608	-4.25461	-3.53755	13.01399	ug/L	08/18/10	17:27	
ICB	Sn	-1.30264	-2.39482	-0.21045	118.57347	ug/L	08/18/10	17:27	
ICB	Sr	-0.03910	-0.02450	-0.05369	52.78093	ug/L	08/18/10	17:27	
ICB	Ti	0.15289	0.09731	0.20847	51.40740	ug/L	08/18/10	17:27	
ICB	Tl	1.06598	0.59594	1.53601	62.35832	ug/L	08/18/10	17:27	
ICB	V	0.54330	0.50644	0.58017	9.59567	ug/L	08/18/10	17:27	
ICB	Zn	0.39405	0.06840	0.71970	116.87070	ug/L	08/18/10	17:27	
ICB	2203/1	0.87739	0.10237	1.65240	124.92031	ug/L	08/18/10	17:27	
ICB	2203/2	1.90084	0.93218	2.86951	72.06760	ug/L	08/18/10	17:27	
ICB	1960/1	1.41014	0.37260	2.44769	104.05348	ug/L	08/18/10	17:27	
ICB	1960/2	-2.24474	0.04204	-4.53152	144.07014	ug/L	08/18/10	17:27	
ICB	Y	938.47204	939.46215	937.48199	0.14919		08/18/10	17:27	
RL ICP 00044	Ag	10.41457	10.35582	10.47332	0.79779	ug/L	08/18/10	17:31	
RL ICP 00044	Al	205.28308	206.07269	204.49348	0.54396	ug/L	08/18/10	17:31	
RL ICP 00044	2Al	0.20530	0.20609	0.20451	0.54397	mg/L	08/18/10	17:31	
RL ICP 00044	As	20.40428	21.35248	19.45608	6.57196	ug/L	08/18/10	17:31	
RL ICP 00044	B	94.35130	93.01757	95.68502	1.99908	ug/L	08/18/10	17:31	
RL ICP 00044	Ba	10.34335	10.37258	10.31411	0.39974	ug/L	08/18/10	17:31	
RL ICP 00044	Be	4.06366	4.07645	4.05086	0.44530	ug/L	08/18/10	17:31	
RL ICP 00044	Ca	513.55664	513.69091	513.42242	0.03696	ug/L	08/18/10	17:31	
RL ICP 00044	Cd	4.84078	4.53958	5.14198	8.79938	ug/L	08/18/10	17:31	
RL ICP 00044	Co	10.95596	10.86780	11.04411	1.13794	ug/L	08/18/10	17:31	
RL ICP 00044	Cr	10.29185	9.79955	10.78415	6.76478	ug/L	08/18/10	17:31	
RL ICP 00044	Cu	20.92779	20.98059	20.87498	0.35681	ug/L	08/18/10	17:31	
RL ICP 00044	Fe	46.09140	49.17113	43.01166	9.44947	ug/L	08/18/10	17:31	
RL ICP 00044	2Fe	0.04609	0.04916	0.04301	9.44854	mg/L	08/18/10	17:31	
RL ICP 00044	K	1001.64306	999.69921	1003.58685	0.27444	ug/L	08/18/10	17:31	
RL ICP 00044	Mg	526.39135	527.39916	525.38348	0.27076	ug/L	08/18/10	17:31	
RL ICP 00044	2Mg	0.52623	0.52724	0.52523	0.27061	mg/L	08/18/10	17:31	
RL ICP 00044	Mn	10.31634	10.23596	10.39672	1.10188	ug/L	08/18/10	17:31	
RL ICP 00044	Mo	8.41855	9.07823	7.75888	11.08174	ug/L	08/18/10	17:31	
RL ICP 00044	Na	925.70202	960.72222	890.68188	5.35010	ug/L	08/18/10	17:31	
RL ICP 00044	Ni	40.31702	39.97472	40.65932	1.20069	ug/L	08/18/10	17:31	
RL ICP 00044	Pb	9.19333	9.02873	9.35793	2.53201	ug/L	08/18/10	17:31	
RL ICP 00044	Se	22.55245	24.23118	20.87372	10.52693	ug/L	08/18/10	17:31	
RL ICP 00044	Sb	19.53210	19.54654	19.51765	0.10460	ug/L	08/18/10	17:31	
RL ICP 00044	Sn	51.57672	53.51975	49.63370	5.32769	ug/L	08/18/10	17:31	
RL ICP 00044	Sr	10.49694	10.47033	10.52355	0.35854	ug/L	08/18/10	17:31	
RL ICP 00044	Ti	10.13291	10.02265	10.24316	1.53878	ug/L	08/18/10	17:31	
RL ICP 00044	Tl	25.74454	24.46122	27.02786	7.04960	ug/L	08/18/10	17:31	
RL ICP 00044	V	10.20608	10.42111	9.99105	2.97952	ug/L	08/18/10	17:31	
RL ICP 00044	Zn	20.96791	20.95919	20.97663	0.05879	ug/L	08/18/10	17:31	
RL ICP 00044	2203/1	8.81650	10.28003	7.35297	23.47573	ug/L	08/18/10	17:31	
RL ICP 00044	2203/2	9.38146	8.40402	10.35890	14.73447	ug/L	08/18/10	17:31	
RL ICP 00044	1960/1	20.01840	21.91248	18.12431	13.38089	ug/L	08/18/10	17:31	
RL ICP 00044	1960/2	23.81755	25.38876	22.24633	9.32938	ug/L	08/18/10	17:31	
RL ICP 00044	Y	955.41766	958.15942	952.67590	0.40583		08/18/10	17:31	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSA61 00021	Ag	0.73467	0.30641	1.16292	82.43723	ug/L	08/18/10	17:36	
ICSA61 00021	Al	540528.00000	540491.43750	540564.56250	0.00956	ug/L	08/18/10	17:36	
ICSA61 00021	2Al	540.54425	540.49377	540.59472	0.01320	mg/L	08/18/10	17:36	
ICSA61 00021	As	1.36923	0.26456	2.47390	114.09603	ug/L	08/18/10	17:36	
ICSA61 00021	B	7.44965	7.76766	7.13165	6.03684	ug/L	08/18/10	17:36	
ICSA61 00021	Ba	0.97170	0.91967	1.02373	7.57238	ug/L	08/18/10	17:36	
ICSA61 00021	Be	0.01813	0.02614	0.01011	62.50481	ug/L	08/18/10	17:36	
ICSA61 00021	Ca	525951.25000	525325.87500	526576.68750	0.16816	ug/L	08/18/10	17:36	
ICSA61 00021	Cd	0.83623	0.83421	0.83826	0.34266	ug/L	08/18/10	17:36	
ICSA61 00021	Co	1.09691	0.94368	1.25014	19.75545	ug/L	08/18/10	17:36	
ICSA61 00021	Cr	1.43502	1.52491	1.34514	8.85835	ug/L	08/18/10	17:36	
ICSA61 00021	Cu	1.98491	1.88748	2.08234	6.94169	ug/L	08/18/10	17:36	
ICSA61 00021	Fe	199325.59375	199011.32812	199639.85937	0.22297	ug/L	08/18/10	17:36	
ICSA61 00021	2Fe	199.28793	198.96846	199.60742	0.22671	mg/L	08/18/10	17:36	
ICSA61 00021	K	0.86759	-10.17668	11.91187	1800.26245	ug/L	08/18/10	17:36	
ICSA61 00021	Mg	559649.75000	559010.37500	560289.18750	0.16157	ug/L	08/18/10	17:36	
ICSA61 00021	2Mg	559.42401	558.76849	560.07952	0.16571	mg/L	08/18/10	17:36	
ICSA61 00021	Mn	-1.40187	-1.38482	-1.41891	1.71946	ug/L	08/18/10	17:36	
ICSA61 00021	Mo	-2.04199	-1.84125	-2.24274	13.90287	ug/L	08/18/10	17:36	
ICSA61 00021	Na	99.49215	-2.77140	201.75572	145.36071	ug/L	08/18/10	17:36	
ICSA61 00021	Ni	-1.07545	-0.88982	-1.26107	24.41020	ug/L	08/18/10	17:36	
ICSA61 00021	Pb	-0.00616	-3.68258	3.67024	84303.42187	ug/L	08/18/10	17:36	
ICSA61 00021	Se	1.36075	4.40680	-1.68528	316.56997	ug/L	08/18/10	17:36	
ICSA61 00021	Sb	2.37349	3.99414	0.75285	96.56361	ug/L	08/18/10	17:36	
ICSA61 00021	Sn	5.58702	4.67560	6.49845	23.07038	ug/L	08/18/10	17:36	
ICSA61 00021	Sr	2.46244	2.47197	2.45291	0.54742	ug/L	08/18/10	17:36	
ICSA61 00021	Ti	2.35522	2.29606	2.41438	3.55227	ug/L	08/18/10	17:36	
ICSA61 00021	Tl	-8.03167	-9.89930	-6.16405	32.88505	ug/L	08/18/10	17:36	
ICSA61 00021	V	-2.00700	-2.76085	-1.25315	53.11915	ug/L	08/18/10	17:36	
ICSA61 00021	Zn	5.00484	4.81889	5.19080	5.25457	ug/L	08/18/10	17:36	
ICSA61 00021	2203/1	-17.93773	-20.71434	-15.16113	21.89080	ug/L	08/18/10	17:36	
ICSA61 00021	2203/2	8.94617	4.82052	13.07182	65.21833	ug/L	08/18/10	17:36	
ICSA61 00021	1960/1	-5.35274	-3.79628	-6.90921	41.12227	ug/L	08/18/10	17:36	
ICSA61 00021	1960/2	4.71248	8.50220	0.92276	113.72928	ug/L	08/18/10	17:36	
ICSA61 00021	Y	880.18591	882.31359	878.05816	0.34186		08/18/10	17:36	
ICSAB61 00037	Ag	216.26431	215.80752	216.72108	0.29870	ug/L	08/18/10	17:40	
ICSAB61 00037	Al	531314.50000	530673.75000	531955.31250	0.17055	ug/L	08/18/10	17:40	
ICSAB61 00037	2Al	531.33666	530.68475	531.98864	0.17352	mg/L	08/18/10	17:40	
ICSAB61 00037	As	105.48747	108.89411	102.08081	4.56711	ug/L	08/18/10	17:40	
ICSAB61 00037	B	6.06036	6.98777	5.13295	21.64151	ug/L	08/18/10	17:40	
ICSAB61 00037	Ba	526.73889	526.01965	527.45819	0.19311	ug/L	08/18/10	17:40	
ICSAB61 00037	Be	516.90502	515.99597	517.81402	0.24870	ug/L	08/18/10	17:40	
ICSAB61 00037	Ca	519751.25000	519282.71875	520219.81250	0.12748	ug/L	08/18/10	17:40	
ICSAB61 00037	Cd	992.38073	988.16583	996.59558	0.60064	ug/L	08/18/10	17:40	
ICSAB61 00037	Co	490.84948	490.66934	491.02963	0.05190	ug/L	08/18/10	17:40	
ICSAB61 00037	Cr	498.77606	497.87115	499.68099	0.25657	ug/L	08/18/10	17:40	
ICSAB61 00037	Cu	547.09552	545.75366	548.43737	0.34686	ug/L	08/18/10	17:40	
ICSAB61 00037	Fe	197087.64062	196674.40625	197500.87500	0.29651	ug/L	08/18/10	17:40	
ICSAB61 00037	2Fe	197.05314	196.63555	197.47073	0.29969	mg/L	08/18/10	17:40	
ICSAB61 00037	K	3.55268	4.49820	2.60717	37.63782	ug/L	08/18/10	17:40	
ICSAB61 00037	Mg	552207.12500	551606.75000	552807.43750	0.15374	ug/L	08/18/10	17:40	
ICSAB61 00037	2Mg	551.98950	551.37854	552.60052	0.15653	mg/L	08/18/10	17:40	
ICSAB61 00037	Mn	503.54583	502.70556	504.38613	0.23599	ug/L	08/18/10	17:40	
ICSAB61 00037	Mo	1121.76684	1116.20507	1127.32861	0.70117	ug/L	08/18/10	17:40	
ICSAB61 00037	Na	245.80841	153.81335	337.80346	52.92766	ug/L	08/18/10	17:40	
ICSAB61 00037	Ni	964.78271	963.24591	966.31945	0.22526	ug/L	08/18/10	17:40	
ICSAB61 00037	Pb	52.27474	51.70178	52.84769	1.55004	ug/L	08/18/10	17:40	
ICSAB61 00037	Se	52.99995	53.03187	52.96802	0.08519	ug/L	08/18/10	17:40	
ICSAB61 00037	Sb	636.65802	627.68585	645.63018	1.99299	ug/L	08/18/10	17:40	
ICSAB61 00037	Sn	1169.33557	1172.61376	1166.05737	0.39647	ug/L	08/18/10	17:40	
ICSAB61 00037	Sr	2.41793	2.38893	2.44693	1.69632	ug/L	08/18/10	17:40	
ICSAB61 00037	Ti	2.39625	2.42379	2.36871	1.62540	ug/L	08/18/10	17:40	
ICSAB61 00037	Tl	102.33768	101.90319	102.77217	0.60043	ug/L	08/18/10	17:40	
ICSAB61 00037	V	523.81250	522.62780	524.99725	0.31985	ug/L	08/18/10	17:40	
ICSAB61 00037	Zn	997.25592	997.37603	997.13580	0.01703	ug/L	08/18/10	17:40	
ICSAB61 00037	2203/1	38.38426	37.75876	39.00977	2.30458	ug/L	08/18/10	17:40	
ICSAB61 00037	2203/2	59.20956	58.66284	59.75628	1.30584	ug/L	08/18/10	17:40	
ICSAB61 00037	1960/1	48.69854	43.01324	54.38385	16.51021	ug/L	08/18/10	17:40	
ICSAB61 00037	1960/2	55.14743	58.03369	52.26116	7.40159	ug/L	08/18/10	17:40	
ICSAB61 00037	Y	880.83801	881.49487	880.18109	0.10546		08/18/10	17:40	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCVP 00072	Ag	515.66094	514.15527	517.16662	0.41293	ug/L	08/18/10	17:45	
CCVP 00072	Al	5104.21289	5081.31591	5127.11035	0.63440	ug/L	08/18/10	17:45	
CCVP 00072	2Al	5.10464	5.08174	5.12754	0.63440	mg/L	08/18/10	17:45	
CCVP 00072	As	516.41796	517.72601	515.10992	0.35820	ug/L	08/18/10	17:45	
CCVP 00072	B	5171.76367	5145.83203	5197.69580	0.70910	ug/L	08/18/10	17:45	
CCVP 00072	Ba	5184.58007	5168.94580	5200.21435	0.42646	ug/L	08/18/10	17:45	
CCVP 00072	Be	521.37884	519.84625	522.91143	0.41570	ug/L	08/18/10	17:45	
CCVP 00072	Ca	5362.72998	5349.44921	5376.01074	0.35022	ug/L	08/18/10	17:45	
CCVP 00072	Cd	520.22766	518.34124	522.11401	0.51280	ug/L	08/18/10	17:45	
CCVP 00072	Co	519.31665	517.44592	521.18743	0.50944	ug/L	08/18/10	17:45	
CCVP 00072	Cr	5209.05761	5191.57226	5226.54345	0.47471	ug/L	08/18/10	17:45	
CCVP 00072	Cu	5119.96972	5102.15771	5137.78222	0.49200	ug/L	08/18/10	17:45	
CCVP 00072	Fe	5214.28906	5221.01855	5207.55908	0.18252	ug/L	08/18/10	17:45	
CCVP 00072	2Fe	5.21430	5.22102	5.20757	0.18242	mg/L	08/18/10	17:45	
CCVP 00072	K	10313.28710	10299.54687	10327.02832	0.18842	ug/L	08/18/10	17:45	
CCVP 00072	Mg	5350.64746	5332.79882	5368.49658	0.47175	ug/L	08/18/10	17:45	
CCVP 00072	2Mg	5.35061	5.33276	5.36846	0.47188	mg/L	08/18/10	17:45	
CCVP 00072	Mn	5226.20996	5208.63525	5243.78466	0.47557	ug/L	08/18/10	17:45	
CCVP 00072	Mo	525.35559	522.77832	527.93280	0.69377	ug/L	08/18/10	17:45	
CCVP 00072	Na	7634.30810	7578.52880	7690.08740	1.03328	ug/L	08/18/10	17:45	
CCVP 00072	Ni	2594.39843	2587.10766	2601.68896	0.39741	ug/L	08/18/10	17:45	
CCVP 00072	Pb	525.79162	525.19805	526.38519	0.15965	ug/L	08/18/10	17:45	
CCVP 00072	Se	5226.20458	5202.57812	5249.83105	0.63933	ug/L	08/18/10	17:45	
CCVP 00072	Sb	517.57476	516.20758	518.94195	0.37356	ug/L	08/18/10	17:45	
CCVP 00072	Sn	5370.95019	5354.86621	5387.03417	0.42350	ug/L	08/18/10	17:45	
CCVP 00072	Sr	2609.17578	2605.62011	2612.73120	0.19271	ug/L	08/18/10	17:45	
CCVP 00072	Ti	516.15570	514.13018	518.18121	0.55496	ug/L	08/18/10	17:45	
CCVP 00072	Tl	5216.32324	5198.85302	5233.79394	0.47364	ug/L	08/18/10	17:45	
CCVP 00072	V	5350.90039	5328.85742	5372.94384	0.58258	ug/L	08/18/10	17:45	
CCVP 00072	Zn	2633.34155	2624.04541	2642.63769	0.49924	ug/L	08/18/10	17:45	
CCVP 00072	2203/1	528.68798	529.42181	527.95410	0.19630	ug/L	08/18/10	17:45	
CCVP 00072	2203/2	524.34082	523.08453	525.59704	0.33882	ug/L	08/18/10	17:45	
CCVP 00072	1960/1	5229.91552	5210.31103	5249.52001	0.53012	ug/L	08/18/10	17:45	
CCVP 00072	1960/2	5224.35156	5198.71728	5249.98632	0.69391	ug/L	08/18/10	17:45	
CCVP 00072	Y	926.54821	930.99884	922.09765	0.67930		08/18/10	17:45	
CCB	Ag	0.26009	0.80709	-0.28690	297.42251	ug/L	08/18/10	17:57	
CCB	Al	1.11639	0.43402	1.79876	86.44042	ug/L	08/18/10	17:57	
CCB	2Al	0.00111	0.00043	0.00179	86.44184	mg/L	08/18/10	17:57	
CCB	As	0.70310	1.75838	-0.35217	212.25830	ug/L	08/18/10	17:57	
CCB	B	44.50227	48.52354	40.48101	12.77896	ug/L	08/18/10	17:57	
CCB	Ba	0.10465	0.17021	0.03909	88.59241	ug/L	08/18/10	17:57	
CCB	Be	0.01653	0.02233	0.01073	49.59651	ug/L	08/18/10	17:57	
CCB	Ca	0.52646	0.06692	0.98601	123.44479	ug/L	08/18/10	17:57	
CCB	Cd	-0.23102	-0.23103	-0.23101	0.00491	ug/L	08/18/10	17:57	
CCB	Co	0.32812	0.73203	-0.07578	174.08280	ug/L	08/18/10	17:57	
CCB	Cr	0.12134	0.46877	-0.22609	404.92565	ug/L	08/18/10	17:57	
CCB	Cu	0.47081	0.75342	0.18820	84.88990	ug/L	08/18/10	17:57	
CCB	Fe	-6.90912	-5.30790	-8.51033	32.77492	ug/L	08/18/10	17:57	
CCB	2Fe	-0.00690	-0.00530	-0.00850	32.77872	mg/L	08/18/10	17:57	
CCB	K	0.66967	-0.52064	1.86000	251.37094	ug/L	08/18/10	17:57	
CCB	Mg	-2.52394	-5.04697	-0.00090	141.37065	ug/L	08/18/10	17:57	
CCB	2Mg	-0.00252	-0.00504	0.00000	141.45654	mg/L	08/18/10	17:57	
CCB	Mn	0.12907	0.17970	0.07844	55.47180	ug/L	08/18/10	17:57	
CCB	Mo	1.41265	1.96331	0.86198	55.12712	ug/L	08/18/10	17:57	
CCB	Na	103.03125	-0.59883	206.66134	142.24333	ug/L	08/18/10	17:57	
CCB	Ni	-0.47272	-0.28038	-0.66506	57.54199	ug/L	08/18/10	17:57	
CCB	Pb	0.70034	-0.24847	1.64915	191.59603	ug/L	08/18/10	17:57	
CCB	Se	0.53409	7.01565	-5.94747	1716.24621	ug/L	08/18/10	17:57	
CCB	Sb	-1.74394	-1.42384	-2.06405	25.95805	ug/L	08/18/10	17:57	
CCB	Sn	2.43639	4.45230	0.42047	117.01470	ug/L	08/18/10	17:57	
CCB	Sr	0.05443	0.10464	0.00421	130.48002	ug/L	08/18/10	17:57	
CCB	Ti	0.19697	0.37553	0.01841	128.20205	ug/L	08/18/10	17:57	
CCB	Tl	6.67964	10.41016	2.94913	78.98242	ug/L	08/18/10	17:57	
CCB	V	0.39193	0.64064	0.14323	89.73812	ug/L	08/18/10	17:57	
CCB	Zn	0.00909	0.06276	-0.04457	834.51702	ug/L	08/18/10	17:57	
CCB	2203/1	-0.83784	0.81709	-2.49278	279.34140	ug/L	08/18/10	17:57	
CCB	2203/2	1.46827	-0.78046	3.71701	216.59350	ug/L	08/18/10	17:57	
CCB	1960/1	5.36008	11.01181	-0.29163	149.11578	ug/L	08/18/10	17:57	
CCB	1960/2	-1.87529	5.02057	-8.77115	520.03784	ug/L	08/18/10	17:57	
CCB	Y	953.04376	953.34197	952.74554	0.04425		08/18/10	17:57	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 177473	Ag	0.53299	0.38431	0.68167	39.44925	ug/L	08/18/10	18:09	
PBW 177473	Al	7.15346	1.37120	12.93571	114.31317	ug/L	08/18/10	18:09	
PBW 177473	2Al	0.00715	0.00137	0.01293	114.31318	mg/L	08/18/10	18:09	
PBW 177473	As	-0.39332	-2.09911	1.31246	613.31561	ug/L	08/18/10	18:09	
PBW 177473	B	-9.19056	-8.76223	-9.61890	6.59101	ug/L	08/18/10	18:09	
PBW 177473	Ba	0.05779	0.06423	0.05134	15.76858	ug/L	08/18/10	18:09	
PBW 177473	Be	0.00728	0.02838	-0.01381	409.55258	ug/L	08/18/10	18:09	
PBW 177473	Ca	15.37064	15.40797	15.33331	0.34343	ug/L	08/18/10	18:09	
PBW 177473	Cd	-0.13137	-0.24178	-0.02095	118.86588	ug/L	08/18/10	18:09	
PBW 177473	Co	0.19043	0.21054	0.17032	14.93466	ug/L	08/18/10	18:09	
PBW 177473	Cr	-0.28301	-0.79320	0.22717	254.93629	ug/L	08/18/10	18:09	
PBW 177473	Cu	0.56156	1.12742	-0.00430	142.50465	ug/L	08/18/10	18:09	
PBW 177473	Fe	-4.71898	-11.88957	2.45159	214.89202	ug/L	08/18/10	18:09	
PBW 177473	2Fe	-0.00471	-0.01188	0.00245	214.89593	mg/L	08/18/10	18:09	
PBW 177473	K	1.67755	0.58174	2.77336	92.37902	ug/L	08/18/10	18:09	
PBW 177473	Mg	-0.00039	-0.00140	0.00062	366.66253	ug/L	08/18/10	18:09	
PBW 177473	2Mg	0.00000	0.00000	0.00000	80.35489	mg/L	08/18/10	18:09	
PBW 177473	Mn	0.05831	0.09145	0.02518	80.35489	ug/L	08/18/10	18:09	
PBW 177473	Mo	-1.88446	-1.61485	-2.15407	20.23336	ug/L	08/18/10	18:09	
PBW 177473	Na	-64.78271	-37.16648	-92.39894	60.28652	ug/L	08/18/10	18:09	
PBW 177473	Ni	0.76567	0.85847	0.67287	17.14057	ug/L	08/18/10	18:09	
PBW 177473	Pb	1.10846	1.87715	0.33978	98.07131	ug/L	08/18/10	18:09	
PBW 177473	Se	5.79275	3.86910	7.71640	46.96294	ug/L	08/18/10	18:09	
PBW 177473	Sb	-4.61841	-5.16154	-4.07528	16.63127	ug/L	08/18/10	18:09	
PBW 177473	Sn	1.46050	1.67002	1.25098	20.28789	ug/L	08/18/10	18:09	
PBW 177473	Sr	0.03168	0.01766	0.04570	62.57609	ug/L	08/18/10	18:09	
PBW 177473	Ti	-0.20286	-0.21659	-0.18912	9.57636	ug/L	08/18/10	18:09	
PBW 177473	Tl	-0.14911	-1.89464	1.59640	1655.43554	ug/L	08/18/10	18:09	
PBW 177473	V	0.30878	0.34067	0.27689	14.60513	ug/L	08/18/10	18:09	
PBW 177473	Zn	1.20035	1.30478	1.09592	12.30400	ug/L	08/18/10	18:09	
PBW 177473	2203/1	0.13552	3.24695	-2.97590	3246.78149	ug/L	08/18/10	18:09	
PBW 177473	2203/2	1.59421	1.19328	1.99513	35.56565	ug/L	08/18/10	18:09	
PBW 177473	1960/1	5.75211	4.67596	6.82827	26.45826	ug/L	08/18/10	18:09	
PBW 177473	1960/2	5.81304	3.46628	8.15980	57.09262	ug/L	08/18/10	18:09	
PBW 177473	Y	973.73156	973.20727	974.25585	0.07614		08/18/10	18:09	
LCSW-1	Ag	51.47791	51.67942	51.27640	0.55359	ug/L	08/18/10	18:14	
LCSW-1	Al	2033.20825	2041.91394	2024.50256	0.60553	ug/L	08/18/10	18:14	
LCSW-1	2Al	2.03339	2.04210	2.02468	0.60552	mg/L	08/18/10	18:14	
LCSW-1	As	2041.73461	2036.68029	2046.78881	0.35008	ug/L	08/18/10	18:14	
LCSW-1	B	1018.40222	1019.23583	1017.56866	0.11575	ug/L	08/18/10	18:14	
LCSW-1	Ba	2079.01757	2072.20703	2085.82836	0.46328	ug/L	08/18/10	18:14	
LCSW-1	Be	51.14223	51.22153	51.06293	0.21927	ug/L	08/18/10	18:14	
LCSW-1	Ca	5274.46777	5282.20800	5266.72705	0.20754	ug/L	08/18/10	18:14	
LCSW-1	Cd	51.36824	51.62305	51.11342	0.70152	ug/L	08/18/10	18:14	
LCSW-1	Co	518.78295	519.51885	518.04711	0.20059	ug/L	08/18/10	18:14	
LCSW-1	Cr	207.22079	207.57916	206.86242	0.24457	ug/L	08/18/10	18:14	
LCSW-1	Cu	251.44723	251.10455	251.78991	0.19273	ug/L	08/18/10	18:14	
LCSW-1	Fe	1011.23150	1007.51525	1014.94775	0.51971	ug/L	08/18/10	18:14	
LCSW-1	2Fe	1.01132	1.00760	1.01503	0.51957	mg/L	08/18/10	18:14	
LCSW-1	K	5273.17382	5265.61230	5280.73583	0.20279	ug/L	08/18/10	18:14	
LCSW-1	Mg	5270.41943	5280.85937	5259.97949	0.28013	ug/L	08/18/10	18:14	
LCSW-1	2Mg	5.26899	5.27943	5.25855	0.28015	mg/L	08/18/10	18:14	
LCSW-1	Mn	520.23291	520.24310	520.22265	0.00277	ug/L	08/18/10	18:14	
LCSW-1	Mo	509.98339	507.15902	512.80773	0.78321	ug/L	08/18/10	18:14	
LCSW-1	Na	4902.32226	4823.51855	4981.12597	2.27331	ug/L	08/18/10	18:14	
LCSW-1	Ni	512.79321	512.88720	512.69927	0.02591	ug/L	08/18/10	18:14	
LCSW-1	Pb	516.17749	519.14227	513.21270	0.81228	ug/L	08/18/10	18:14	
LCSW-1	Se	2098.06738	2103.97070	2092.16430	0.39790	ug/L	08/18/10	18:14	
LCSW-1	Sb	506.07022	503.82012	508.32031	0.62878	ug/L	08/18/10	18:14	
LCSW-1	Sn	1055.55053	1054.79028	1056.31091	0.10186	ug/L	08/18/10	18:14	
LCSW-1	Sr	525.99560	524.41973	527.57141	0.42368	ug/L	08/18/10	18:14	
LCSW-1	Ti	715.09130	713.79223	716.39044	0.25691	ug/L	08/18/10	18:14	
LCSW-1	Tl	2124.69433	2123.68798	2125.70043	0.06697	ug/L	08/18/10	18:14	
LCSW-1	V	524.57568	524.33636	524.81506	0.06452	ug/L	08/18/10	18:14	
LCSW-1	Zn	526.75805	527.25872	526.25744	0.13440	ug/L	08/18/10	18:14	
LCSW-1	2203/1	520.69848	523.23291	518.16400	0.68835	ug/L	08/18/10	18:14	
LCSW-1	2203/2	513.92041	517.10003	510.74078	0.87497	ug/L	08/18/10	18:14	
LCSW-1	1960/1	2087.97290	2097.57080	2078.37500	0.65007	ug/L	08/18/10	18:14	
LCSW-1	1960/2	2103.10644	2107.16503	2099.04809	0.27290	ug/L	08/18/10	18:14	
LCSW-1	Y	977.67578	976.65124	978.70031	0.14819		08/18/10	18:14	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1 (RL)	Ag	12.11431	12.14553	12.08309	0.36449	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Al	222.38388	225.70819	219.05955	2.11404	ug/L	08/18/10	18:20	
LCSW-1 (RL)	2Al	0.22240	0.22572	0.21907	2.11404	mg/L	08/18/10	18:20	
LCSW-1 (RL)	As	18.94605	19.05580	18.83630	0.81923	ug/L	08/18/10	18:20	
LCSW-1 (RL)	B	95.38764	98.12735	92.64794	4.06187	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Ba	11.21359	11.15327	11.27390	0.76065	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Be	4.33757	4.35786	4.31728	0.66154	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Ca	570.83392	571.64501	570.02282	0.20094	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Cd	5.22632	5.09772	5.35492	3.47989	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Co	5.96927	6.38340	5.55515	9.81128	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Cr	5.82176	5.55276	6.09076	6.53449	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Cu	22.19997	21.64332	22.75663	3.54610	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Fe	53.71515	55.47516	51.95514	4.63375	ug/L	08/18/10	18:20	
LCSW-1 (RL)	2Fe	0.05371	0.05547	0.05195	4.63377	mg/L	08/18/10	18:20	
LCSW-1 (RL)	K	1090.01757	1085.82312	1094.21203	0.54419	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Mg	549.57727	553.54205	545.61248	1.02024	ug/L	08/18/10	18:20	
LCSW-1 (RL)	2Mg	0.54941	0.55338	0.54545	1.02017	mg/L	08/18/10	18:20	
LCSW-1 (RL)	Mn	10.97428	11.04556	10.90301	0.91850	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Mo	11.06162	12.45294	9.67030	17.78784	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Na	1165.93872	1252.57031	1079.30725	10.50788	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Ni	42.91191	42.88759	42.93622	0.08012	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Pb	9.38578	9.63185	9.13970	3.70775	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Se	22.74026	24.02589	21.45463	7.99529	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Sb	18.71044	18.54955	18.87133	1.21608	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Sn	57.63562	59.55416	55.71707	4.70755	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Sr	11.16946	11.18896	11.14996	0.24687	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Ti	11.02363	11.09290	10.95435	0.88872	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Tl	27.52310	28.83552	26.21068	6.74356	ug/L	08/18/10	18:20	
LCSW-1 (RL)	V	11.51326	11.23072	11.79581	3.47059	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Zn	23.52566	23.53701	23.51431	0.06822	ug/L	08/18/10	18:20	
LCSW-1 (RL)	2203/1	10.43966	9.42977	11.44956	13.68058	ug/L	08/18/10	18:20	
LCSW-1 (RL)	2203/2	8.85962	9.73274	7.98650	13.93710	ug/L	08/18/10	18:20	
LCSW-1 (RL)	1960/1	23.08938	29.76984	16.40893	40.91746	ug/L	08/18/10	18:20	
LCSW-1 (RL)	1960/2	22.56594	21.15820	23.97369	8.82238	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Y	967.68054	965.07836	970.28277	0.38029		08/18/10	18:20	
16115-1	Ag	0.01862	-0.04179	0.07905	458.69915	ug/L	08/18/10	18:25	
16115-1	Al	106.90370	104.22906	109.57835	3.53824	ug/L	08/18/10	18:25	
16115-1	2Al	0.10691	0.10423	0.10958	3.53824	mg/L	08/18/10	18:25	
16115-1	As	0.52872	1.81900	-0.76154	345.11590	ug/L	08/18/10	18:25	
16115-1	B	4.43463	3.96674	4.90253	14.92119	ug/L	08/18/10	18:25	
16115-1	Ba	25.70697	25.66535	25.74859	0.22895	ug/L	08/18/10	18:25	
16115-1	Be	-0.01411	0.00270	-0.03093	168.48689	ug/L	08/18/10	18:25	
16115-1	Ca	25046.17968	25008.35546	25084.00585	0.21357	ug/L	08/18/10	18:25	
16115-1	Cd	-0.29320	-0.31335	-0.27305	9.71938	ug/L	08/18/10	18:25	
16115-1	Co	0.32260	0.36449	0.28070	18.36547	ug/L	08/18/10	18:25	
16115-1	Cr	0.03383	0.06255	0.00512	120.02020	ug/L	08/18/10	18:25	
16115-1	Cu	1.41729	1.49458	1.34001	7.71158	ug/L	08/18/10	18:25	
16115-1	Fe	16.62457	14.16723	19.08191	20.90402	ug/L	08/18/10	18:25	
16115-1	2Fe	0.01662	0.01416	0.01907	20.90400	mg/L	08/18/10	18:25	
16115-1	K	1637.65087	1638.21582	1637.08605	0.04878	ug/L	08/18/10	18:25	
16115-1	Mg	9245.40917	9234.64746	9256.17089	0.16461	ug/L	08/18/10	18:25	
16115-1	2Mg	9.24279	9.23204	9.25355	0.16461	mg/L	08/18/10	18:25	
16115-1	Mn	6.00552	5.97816	6.03288	0.64425	ug/L	08/18/10	18:25	
16115-1	Mo	-1.57417	-0.88670	-2.26164	61.76140	ug/L	08/18/10	18:25	
16115-1	Na	42235.00390	42210.95703	42259.05078	0.08051	ug/L	08/18/10	18:25	
16115-1	Ni	-0.01656	-0.84828	0.81514	7099.29248	ug/L	08/18/10	18:25	
16115-1	Pb	-0.12700	-0.05676	-0.19725	78.22025	ug/L	08/18/10	18:25	
16115-1	Se	-0.97113	-2.73173	0.78947	256.38803	ug/L	08/18/10	18:25	
16115-1	Sb	-3.19062	-4.33744	-2.04380	50.83171	ug/L	08/18/10	18:25	
16115-1	Sn	2.47474	3.01139	1.93808	30.66754	ug/L	08/18/10	18:25	
16115-1	Sr	105.25031	105.20660	105.29402	0.05873	ug/L	08/18/10	18:25	
16115-1	Ti	0.11031	0.08277	0.13784	35.29907	ug/L	08/18/10	18:25	
16115-1	Tl	2.29185	3.81284	0.77086	93.85455	ug/L	08/18/10	18:25	
16115-1	V	0.52930	0.21180	0.84680	84.83029	ug/L	08/18/10	18:25	
16115-1	Zn	32.79352	32.35695	33.23008	1.88267	ug/L	08/18/10	18:25	
16115-1	2203/1	-0.78315	-2.76425	1.19793	357.74282	ug/L	08/18/10	18:25	
16115-1	2203/2	0.20057	1.29495	-0.89380	771.63287	ug/L	08/18/10	18:25	
16115-1	1960/1	-4.66475	-6.68136	-2.64814	61.13750	ug/L	08/18/10	18:25	
16115-1	1960/2	0.87291	-0.75987	2.50570	264.52947	ug/L	08/18/10	18:25	
16115-1	Y	955.83837	956.17022	955.50646	0.04910		08/18/10	18:25	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
16115-1L	Ag	0.68269	0.38435	0.98103	61.80208	ug/L	08/18/10	18:30	
16115-1L	Al	21.82670	19.60858	24.04482	14.37182	ug/L	08/18/10	18:30	
16115-1L	2Al	0.02182	0.01961	0.02404	14.37181	mg/L	08/18/10	18:30	
16115-1L	As	1.28204	-0.15775	2.72185	158.82333	ug/L	08/18/10	18:30	
16115-1L	B	6.60687	6.95196	6.26178	7.38667	ug/L	08/18/10	18:30	
16115-1L	Ba	5.04337	5.03411	5.05264	0.25975	ug/L	08/18/10	18:30	
16115-1L	Be	0.00017	-0.00366	0.00402	3047.56298	ug/L	08/18/10	18:30	
16115-1L	Ca	4865.95947	4866.44238	4865.47656	0.01403	ug/L	08/18/10	18:30	
16115-1L	Cd	-0.42435	-0.54361	-0.30509	39.74511	ug/L	08/18/10	18:30	
16115-1L	Co	1.04050	1.35505	0.72595	42.75279	ug/L	08/18/10	18:30	
16115-1L	Cr	-0.45394	-0.11269	-0.79519	106.31195	ug/L	08/18/10	18:30	
16115-1L	Cu	0.10271	0.24388	-0.03845	194.36926	ug/L	08/18/10	18:30	
16115-1L	Fe	-7.93341	-16.76393	0.89711	157.41333	ug/L	08/18/10	18:30	
16115-1L	2Fe	-0.00793	-0.01676	0.00089	157.41879	mg/L	08/18/10	18:30	
16115-1L	K	285.64962	287.48867	283.81057	0.91048	ug/L	08/18/10	18:30	
16115-1L	Mg	1790.17224	1794.30236	1786.04211	0.32627	ug/L	08/18/10	18:30	
16115-1L	2Mg	1.78966	1.79379	1.78553	0.32639	mg/L	08/18/10	18:30	
16115-1L	Mn	1.26467	1.27040	1.25894	0.64086	ug/L	08/18/10	18:30	
16115-1L	Mo	-0.84819	-1.25481	-0.44157	67.79637	ug/L	08/18/10	18:30	
16115-1L	Na	7878.17626	7900.70019	7855.65234	0.40432	ug/L	08/18/10	18:30	
16115-1L	Ni	-0.44393	-0.56039	-0.32748	37.09786	ug/L	08/18/10	18:30	
16115-1L	Pb	-1.14040	-1.16067	-1.12013	2.51343	ug/L	08/18/10	18:30	
16115-1L	Se	-4.39420	-6.42260	-2.36581	65.28110	ug/L	08/18/10	18:30	
16115-1L	Sb	-5.49998	-5.36722	-5.63274	3.41369	ug/L	08/18/10	18:30	
16115-1L	Sn	1.84508	1.38866	2.30150	34.98352	ug/L	08/18/10	18:30	
16115-1L	Sr	20.56354	20.60659	20.52050	0.29604	ug/L	08/18/10	18:30	
16115-1L	Ti	-0.01700	-0.04319	0.00918	217.84677	ug/L	08/18/10	18:30	
16115-1L	Tl	2.75589	1.01488	4.49689	89.34133	ug/L	08/18/10	18:30	
16115-1L	V	0.20159	0.13423	0.26896	47.25695	ug/L	08/18/10	18:30	
16115-1L	Zn	6.74355	6.94003	6.54708	4.12038	ug/L	08/18/10	18:30	
16115-1L	2203/1	-1.10318	0.60083	-2.80721	218.44421	ug/L	08/18/10	18:30	
16115-1L	2203/2	-1.15895	-2.04010	-0.27781	107.52160	ug/L	08/18/10	18:30	
16115-1L	1960/1	-7.13539	-6.06105	-8.20972	21.29293	ug/L	08/18/10	18:30	
16115-1L	1960/2	-3.02567	-6.60311	0.55176	167.21107	ug/L	08/18/10	18:30	
16115-1L	Y	971.69689	973.48626	969.90759	0.26042		08/18/10	18:30	
16115-1A	Ag	42.24960	40.45000	44.04920	6.02376	ug/L	08/18/10	18:35	
16115-1A	Al	2072.92480	2052.86694	2092.98266	1.36840	ug/L	08/18/10	18:35	
16115-1A	2Al	2.07299	2.05305	2.09293	1.36018	mg/L	08/18/10	18:35	
16115-1A	As	1992.67761	1976.69091	2008.66430	1.13458	ug/L	08/18/10	18:35	
16115-1A	B	1006.33270	996.06890	1016.59649	1.44238	ug/L	08/18/10	18:35	
16115-1A	Ba	2031.49963	2009.64331	2053.35595	1.52151	ug/L	08/18/10	18:35	
16115-1A	Be	49.40702	48.82450	49.98954	1.66739	ug/L	08/18/10	18:35	
16115-1A	Ca	29038.00976	28998.14843	29077.87109	0.19413	ug/L	08/18/10	18:35	
16115-1A	Cd	49.56119	49.19126	49.93112	1.05558	ug/L	08/18/10	18:35	
16115-1A	Co	497.21044	491.16366	503.25723	1.71988	ug/L	08/18/10	18:35	
16115-1A	Cr	199.84320	197.28614	202.40025	1.80952	ug/L	08/18/10	18:35	
16115-1A	Cu	246.37182	243.28779	249.45585	1.77028	ug/L	08/18/10	18:35	
16115-1A	Fe	1007.04724	992.18603	1021.90844	2.08698	ug/L	08/18/10	18:35	
16115-1A	2Fe	1.00712	0.99226	1.02199	2.08690	mg/L	08/18/10	18:35	
16115-1A	K	7294.23437	7246.45898	7342.01025	0.92627	ug/L	08/18/10	18:35	
16115-1A	Mg	14040.41992	13989.58007	14091.25976	0.51208	ug/L	08/18/10	18:35	
16115-1A	2Mg	14.03651	13.98568	14.08733	0.51207	mg/L	08/18/10	18:35	
16115-1A	Mn	508.04241	502.32852	513.75634	1.59055	ug/L	08/18/10	18:35	
16115-1A	Mo	490.54464	486.60006	494.48922	1.13720	ug/L	08/18/10	18:35	
16115-1A	Na	46123.18750	45981.79687	46264.57812	0.43352	ug/L	08/18/10	18:35	
16115-1A	Ni	490.26803	484.54074	495.99533	1.65207	ug/L	08/18/10	18:35	
16115-1A	Pb	496.06311	491.17861	500.94763	1.39251	ug/L	08/18/10	18:35	
16115-1A	Se	2025.21679	2005.90478	2044.52868	1.34855	ug/L	08/18/10	18:35	
16115-1A	Sb	481.40216	470.85891	491.94540	3.09728	ug/L	08/18/10	18:35	
16115-1A	Sn	1039.88183	1021.25268	1058.51098	2.53351	ug/L	08/18/10	18:35	
16115-1A	Sr	617.24914	612.70141	621.79693	1.04196	ug/L	08/18/10	18:35	
16115-1A	Ti	996.24212	983.93713	1008.54711	1.74675	ug/L	08/18/10	18:35	
16115-1A	Tl	2070.89306	2059.33813	2082.44775	0.78907	ug/L	08/18/10	18:35	
16115-1A	V	507.67211	501.82382	513.52038	1.62914	ug/L	08/18/10	18:35	
16115-1A	Zn	535.94201	530.25256	541.63140	1.50129	ug/L	08/18/10	18:35	
16115-1A	2203/1	499.89257	495.26016	504.52499	1.31052	ug/L	08/18/10	18:35	
16115-1A	2203/2	494.15130	489.14093	499.16165	1.43391	ug/L	08/18/10	18:35	
16115-1A	1960/1	2021.84497	2008.83007	2034.85974	0.91034	ug/L	08/18/10	18:35	
16115-1A	1960/2	2026.89941	2004.44360	2049.35522	1.56679	ug/L	08/18/10	18:35	
16115-1A	Y	962.79846	962.68298	962.91387	0.01695		08/18/10	18:35	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
29380-1	Ag	0.23394	0.50333	-0.03545	162.85578	ug/L	08/18/10	18:40	
29380-1	Al	7.71987	6.11428	9.32546	29.41303	ug/L	08/18/10	18:40	
29380-1	2Al	0.00772	0.00611	0.00932	29.41308	mg/L	08/18/10	18:40	
29380-1	As	-0.10500	-2.25075	2.04074	2889.87451	ug/L	08/18/10	18:40	
29380-1	B	-5.24997	-4.57445	-5.92549	18.19691	ug/L	08/18/10	18:40	
29380-1	Ba	6.25169	6.24887	6.25450	0.06367	ug/L	08/18/10	18:40	
29380-1	Be	0.01124	0.00984	0.01264	17.66213	ug/L	08/18/10	18:40	
29380-1	Ca	42738.02734	42811.42968	42664.62500	0.24289	ug/L	08/18/10	18:40	
29380-1	Cd	-0.26663	-0.45143	-0.08184	98.01393	ug/L	08/18/10	18:40	
29380-1	Co	0.30775	0.24685	0.36866	27.98752	ug/L	08/18/10	18:40	
29380-1	Cr	1.97443	1.83520	2.11367	9.97303	ug/L	08/18/10	18:40	
29380-1	Cu	3.71505	3.73788	3.69221	0.86918	ug/L	08/18/10	18:40	
29380-1	Fe	-2.15028	10.74567	-15.04623	848.15155	ug/L	08/18/10	18:40	
29380-1	2Fe	-0.00214	0.01074	-0.01504	848.30090	mg/L	08/18/10	18:40	
29380-1	K	417.07232	419.48959	414.65505	0.81964	ug/L	08/18/10	18:40	
29380-1	Mg	6576.32910	6587.00781	6565.65039	0.22964	ug/L	08/18/10	18:40	
29380-1	2Mg	6.57447	6.58514	6.56380	0.22958	mg/L	08/18/10	18:40	
29380-1	Mn	0.13564	0.11938	0.15190	16.95431	ug/L	08/18/10	18:40	
29380-1	Mo	-0.43821	-0.70885	-0.16758	87.33896	ug/L	08/18/10	18:40	
29380-1	Na	2833.08520	2828.33007	2837.84033	0.23736	ug/L	08/18/10	18:40	
29380-1	Ni	-0.10657	-0.23040	0.01725	164.31822	ug/L	08/18/10	18:40	
29380-1	Pb	1.21338	1.88049	0.54628	77.75177	ug/L	08/18/10	18:40	
29380-1	Se	0.25925	1.41423	-0.89572	630.03332	ug/L	08/18/10	18:40	
29380-1	Sb	-4.30413	-3.02502	-5.58323	42.02770	ug/L	08/18/10	18:40	
29380-1	Sn	-1.18133	-1.96758	-0.39509	94.12388	ug/L	08/18/10	18:40	
29380-1	Sr	88.88266	89.11199	88.65333	0.36489	ug/L	08/18/10	18:40	
29380-1	Ti	0.50036	0.55484	0.44588	15.39786	ug/L	08/18/10	18:40	
29380-1	Tl	-0.14627	-0.94732	0.65477	774.45758	ug/L	08/18/10	18:40	
29380-1	V	2.86189	3.14473	2.57904	13.97669	ug/L	08/18/10	18:40	
29380-1	Zn	88.24749	88.86443	87.63056	0.98866	ug/L	08/18/10	18:40	
29380-1	2203/1	-0.24353	-0.54628	0.05921	175.80851	ug/L	08/18/10	18:40	
29380-1	2203/2	1.94076	3.09207	0.78945	83.89484	ug/L	08/18/10	18:40	
29380-1	1960/1	-3.85636	-2.27123	-5.44150	58.13040	ug/L	08/18/10	18:40	
29380-1	1960/2	2.31398	3.25420	1.37375	57.46301	ug/L	08/18/10	18:40	
29380-1	Y	965.84796	964.27990	967.41601	0.22959		08/18/10	18:40	
60337-1	Ag	0.74259	0.44359	1.04160	56.94322	ug/L	08/18/10	18:46	
60337-1	Al	320.83901	325.52609	316.15194	2.06599	ug/L	08/18/10	18:46	
60337-1	2Al	0.32086	0.32555	0.31618	2.06599	mg/L	08/18/10	18:46	
60337-1	As	3.34041	2.91470	3.76612	18.02295	ug/L	08/18/10	18:46	
60337-1	B	-8.41348	-7.82707	-8.99989	9.85696	ug/L	08/18/10	18:46	
60337-1	Ba	501.88827	501.61727	502.15927	0.07636	ug/L	08/18/10	18:46	
60337-1	Be	0.39278	0.38214	0.40343	3.83202	ug/L	08/18/10	18:46	
60337-1	Ca	18531.94726	18535.68164	18528.21289	0.02849	ug/L	08/18/10	18:46	
60337-1	Cd	0.02707	0.13859	-0.08443	582.41491	ug/L	08/18/10	18:46	
60337-1	Co	0.62750	0.76462	0.49039	30.90145	ug/L	08/18/10	18:46	
60337-1	Cr	0.71395	0.57110	0.85680	28.29624	ug/L	08/18/10	18:46	
60337-1	Cu	3.34924	3.34251	3.35596	0.28399	ug/L	08/18/10	18:46	
60337-1	Fe	24.96320	24.93998	24.98642	0.13153	ug/L	08/18/10	18:46	
60337-1	2Fe	0.02496	0.02493	0.02498	0.13103	mg/L	08/18/10	18:46	
60337-1	K	1605.86108	1600.66101	1611.06103	0.45794	ug/L	08/18/10	18:46	
60337-1	Mg	4808.23925	4800.86230	4815.61621	0.21697	ug/L	08/18/10	18:46	
60337-1	2Mg	4.80691	4.79953	4.81428	0.21696	mg/L	08/18/10	18:46	
60337-1	Mn	75.20121	75.24657	75.15584	0.08531	ug/L	08/18/10	18:46	
60337-1	Mo	-0.03335	-0.71217	0.64545	2877.70166	ug/L	08/18/10	18:46	
60337-1	Na	42836.66406	42935.80859	42737.51953	0.32731	ug/L	08/18/10	18:46	
60337-1	Ni	5.33464	5.40045	5.26883	1.74463	ug/L	08/18/10	18:46	
60337-1	Pb	6.10188	5.33207	6.87169	17.84169	ug/L	08/18/10	18:46	
60337-1	Se	-1.05825	0.49215	-2.60865	207.19174	ug/L	08/18/10	18:46	
60337-1	Sb	-2.87587	-2.33185	-3.41988	26.75198	ug/L	08/18/10	18:46	
60337-1	Sn	1.28487	0.89730	1.67244	42.65834	ug/L	08/18/10	18:46	
60337-1	Sr	105.66112	105.71051	105.61174	0.06609	ug/L	08/18/10	18:46	
60337-1	Ti	0.15861	0.19933	0.11788	36.30964	ug/L	08/18/10	18:46	
60337-1	Tl	0.60301	-0.60175	1.80778	282.54614	ug/L	08/18/10	18:46	
60337-1	V	0.19653	0.61134	-0.21827	298.48196	ug/L	08/18/10	18:46	
60337-1	Zn	32.71599	32.43709	32.99490	1.20562	ug/L	08/18/10	18:46	
60337-1	2203/1	7.95485	5.10031	10.80939	50.74802	ug/L	08/18/10	18:46	
60337-1	2203/2	5.17679	5.44777	4.90580	7.40293	ug/L	08/18/10	18:46	
60337-1	1960/1	-1.86363	-1.56350	-2.16377	22.77577	ug/L	08/18/10	18:46	
60337-1	1960/2	-0.65615	1.51844	-2.83076	468.69027	ug/L	08/18/10	18:46	
60337-1	Y	968.85424	969.34002	968.36840	0.07091		08/18/10	18:46	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60345-1	Ag	0.56353	0.80442	0.32264	60.45155	ug/L	08/18/10	18:51	
60345-1	Al	9.05199	11.83407	6.26990	43.46516	ug/L	08/18/10	18:51	
60345-1	2Al	0.00905	0.01183	0.00627	43.46516	mg/L	08/18/10	18:51	
60345-1	As	1.92765	2.19708	1.65821	19.76693	ug/L	08/18/10	18:51	
60345-1	B	-7.42290	-7.63544	-7.21036	4.04932	ug/L	08/18/10	18:51	
60345-1	Ba	142.04212	141.88929	142.19496	0.15216	ug/L	08/18/10	18:51	
60345-1	Be	0.03483	0.02950	0.04017	21.65867	ug/L	08/18/10	18:51	
60345-1	Ca	34208.67187	34231.47265	34185.87500	0.09425	ug/L	08/18/10	18:51	
60345-1	Cd	-0.27999	-0.29113	-0.26884	5.62874	ug/L	08/18/10	18:51	
60345-1	Co	0.84428	0.84492	0.84365	0.10606	ug/L	08/18/10	18:51	
60345-1	Cr	0.06085	0.17561	-0.05391	266.72946	ug/L	08/18/10	18:51	
60345-1	Cu	6.73217	6.85156	6.61277	2.50811	ug/L	08/18/10	18:51	
60345-1	Fe	13.95738	25.25242	2.66233	114.44554	ug/L	08/18/10	18:51	
60345-1	2Fe	0.01395	0.02524	0.00266	114.44273	mg/L	08/18/10	18:51	
60345-1	K	781.02398	778.15423	783.89373	0.51963	ug/L	08/18/10	18:51	
60345-1	Mg	5724.22460	5723.56787	5724.88085	0.01621	ug/L	08/18/10	18:51	
60345-1	2Mg	5.72260	5.72195	5.72326	0.01626	mg/L	08/18/10	18:51	
60345-1	Mn	4.86885	4.87661	4.86109	0.22551	ug/L	08/18/10	18:51	
60345-1	Mo	-1.07153	-0.88937	-1.25369	24.04145	ug/L	08/18/10	18:51	
60345-1	Na	9398.87988	9323.00000	9474.75976	1.14173	ug/L	08/18/10	18:51	
60345-1	Ni	1.39065	1.82568	0.95562	44.23990	ug/L	08/18/10	18:51	
60345-1	Pb	0.65687	-0.42283	1.73658	232.45640	ug/L	08/18/10	18:51	
60345-1	Se	3.90813	5.20425	2.61200	46.90209	ug/L	08/18/10	18:51	
60345-1	Sb	-2.18051	0.11792	-4.47896	149.06986	ug/L	08/18/10	18:51	
60345-1	Sn	1.33681	1.09088	1.58275	26.01739	ug/L	08/18/10	18:51	
60345-1	Sr	608.31274	609.60144	607.02410	0.29959	ug/L	08/18/10	18:51	
60345-1	Ti	0.36319	0.24092	0.48546	47.60892	ug/L	08/18/10	18:51	
60345-1	Tl	1.68151	1.89272	1.47029	17.76406	ug/L	08/18/10	18:51	
60345-1	V	0.37252	0.09341	0.65163	105.95710	ug/L	08/18/10	18:51	
60345-1	Zn	7.71660	7.34613	8.08706	6.78947	ug/L	08/18/10	18:51	
60345-1	2203/1	1.03807	3.07263	-0.99648	277.17654	ug/L	08/18/10	18:51	
60345-1	2203/2	0.46655	-2.16795	3.10106	798.56536	ug/L	08/18/10	18:51	
60345-1	1960/1	-1.74409	-2.23632	-1.25186	39.91289	ug/L	08/18/10	18:51	
60345-1	1960/2	6.73000	8.91896	4.54104	45.99781	ug/L	08/18/10	18:51	
60345-1	Y	961.67773	961.78833	961.56707	0.01626		08/18/10	18:51	
60345-1S	Ag	54.20497	53.52731	54.88263	1.76802	ug/L	08/18/10	18:56	
60345-1S	Al	2161.72851	2157.48095	2165.97631	0.27788	ug/L	08/18/10	18:56	
60345-1S	2Al	2.16192	2.15767	2.16617	0.27788	mg/L	08/18/10	18:56	
60345-1S	As	2169.59350	2158.03588	2181.15112	0.75336	ug/L	08/18/10	18:56	
60345-1S	B	1076.16491	1072.97448	1079.35534	0.41926	ug/L	08/18/10	18:56	
60345-1S	Ba	2316.45605	2311.68774	2321.22436	0.29110	ug/L	08/18/10	18:56	
60345-1S	Be	54.04229	53.92978	54.15480	0.29441	ug/L	08/18/10	18:56	
60345-1S	Ca	41111.95312	41007.42187	41216.48046	0.35957	ug/L	08/18/10	18:56	
60345-1S	Cd	54.18294	53.87166	54.49421	0.81244	ug/L	08/18/10	18:56	
60345-1S	Co	542.51641	541.02917	544.00366	0.38768	ug/L	08/18/10	18:56	
60345-1S	Cr	217.19561	216.63227	217.75895	0.36680	ug/L	08/18/10	18:56	
60345-1S	Cu	270.02960	269.68893	270.37026	0.17841	ug/L	08/18/10	18:56	
60345-1S	Fe	1110.36291	1091.29101	1129.43481	2.42909	ug/L	08/18/10	18:56	
60345-1S	2Fe	1.11045	1.09138	1.12952	2.42866	mg/L	08/18/10	18:56	
60345-1S	K	6407.07031	6388.23828	6425.90234	0.41567	ug/L	08/18/10	18:56	
60345-1S	Mg	11597.62304	11555.37792	11639.86816	0.51513	ug/L	08/18/10	18:56	
60345-1S	2Mg	11.59440	11.55217	11.63663	0.51510	mg/L	08/18/10	18:56	
60345-1S	Mn	552.58898	551.30590	553.87213	0.32838	ug/L	08/18/10	18:56	
60345-1S	Mo	535.42846	531.99810	538.85876	0.90604	ug/L	08/18/10	18:56	
60345-1S	Na	15050.19726	14939.16210	15161.23144	1.04335	ug/L	08/18/10	18:56	
60345-1S	Ni	536.98156	535.39324	538.56988	0.41830	ug/L	08/18/10	18:56	
60345-1S	Pb	541.21630	542.18975	540.24279	0.25437	ug/L	08/18/10	18:56	
60345-1S	Se	2190.17480	2187.08374	2193.26586	0.19959	ug/L	08/18/10	18:56	
60345-1S	Sb	535.48901	533.99481	536.98327	0.39462	ug/L	08/18/10	18:56	
60345-1S	Sn	1113.21704	1107.32800	1119.10595	0.74812	ug/L	08/18/10	18:56	
60345-1S	Sr	1161.37268	1160.60290	1162.14245	0.09373	ug/L	08/18/10	18:56	
60345-1S	Ti	751.25860	749.57055	752.94665	0.31776	ug/L	08/18/10	18:56	
60345-1S	Tl	2217.72338	2207.91479	2227.53198	0.62548	ug/L	08/18/10	18:56	
60345-1S	V	555.92749	554.81176	557.04327	0.28383	ug/L	08/18/10	18:56	
60345-1S	Zn	559.19909	556.87603	561.52215	0.58750	ug/L	08/18/10	18:56	
60345-1S	2203/1	545.99212	547.08532	544.89892	0.28315	ug/L	08/18/10	18:56	
60345-1S	2203/2	538.83190	539.74560	537.91821	0.23980	ug/L	08/18/10	18:56	
60345-1S	1960/1	2198.92041	2190.07373	2207.76684	0.56895	ug/L	08/18/10	18:56	
60345-1S	1960/2	2185.80761	2185.59008	2186.02539	0.01408	ug/L	08/18/10	18:56	
60345-1S	Y	942.61083	944.79943	940.42230	0.32835		08/18/10	18:56	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	492.08007	492.67657	491.48361	0.17142	ug/L	08/18/10	19:01	
CCV	Al	4912.47021	4918.31298	4906.62744	0.16820	ug/L	08/18/10	19:01	
CCV	2Al	4.91288	4.91873	4.90704	0.16820	mg/L	08/18/10	19:01	
CCV	As	496.03045	499.50836	492.55252	0.99157	ug/L	08/18/10	19:01	
CCV	B	4922.09472	4912.55615	4931.63378	0.27406	ug/L	08/18/10	19:01	
CCV	Ba	4988.34277	4989.05468	4987.63037	0.02018	ug/L	08/18/10	19:01	
CCV	Be	494.89270	494.94705	494.83831	0.01553	ug/L	08/18/10	19:01	
CCV	Ca	5130.83789	5131.55517	5130.12109	0.01976	ug/L	08/18/10	19:01	
CCV	Cd	491.57769	492.37533	490.78005	0.22947	ug/L	08/18/10	19:01	
CCV	Co	497.11291	496.97262	497.25323	0.03991	ug/L	08/18/10	19:01	
CCV	Cr	4950.11718	4948.80957	4951.42480	0.03735	ug/L	08/18/10	19:01	
CCV	Cu	4936.05126	4935.44873	4936.65380	0.01726	ug/L	08/18/10	19:01	
CCV	Fe	4947.65234	4972.07763	4923.22753	0.69815	ug/L	08/18/10	19:01	
CCV	2Fe	4.94767	4.97209	4.92324	0.69808	mg/L	08/18/10	19:01	
CCV	K	10032.85839	10044.52050	10021.19628	0.16438	ug/L	08/18/10	19:01	
CCV	Mg	5109.35156	5119.51904	5099.18359	0.28143	ug/L	08/18/10	19:01	
CCV	2Mg	5.10932	5.11948	5.09916	0.28125	mg/L	08/18/10	19:01	
CCV	Mn	4996.49902	4997.80126	4995.19677	0.03685	ug/L	08/18/10	19:01	
CCV	Mo	496.44619	493.78982	499.10256	0.75671	ug/L	08/18/10	19:01	
CCV	Na	7506.76269	7469.36718	7544.15771	0.70449	ug/L	08/18/10	19:01	
CCV	Ni	2479.29833	2483.50927	2475.08715	0.24020	ug/L	08/18/10	19:01	
CCV	Pb	501.01550	502.83312	499.19787	0.51306	ug/L	08/18/10	19:01	
CCV	Se	4982.57910	5001.90966	4963.24853	0.54866	ug/L	08/18/10	19:01	
CCV	Sb	490.71765	496.49560	484.93966	1.66516	ug/L	08/18/10	19:01	
CCV	Sn	5105.11376	5103.25683	5106.97070	0.05144	ug/L	08/18/10	19:01	
CCV	Sr	2486.27905	2490.99194	2481.56616	0.26807	ug/L	08/18/10	19:01	
CCV	Ti	494.83599	495.40530	494.26669	0.16270	ug/L	08/18/10	19:01	
CCV	Tl	4964.20605	4966.14257	4962.26953	0.05516	ug/L	08/18/10	19:01	
CCV	V	5132.14550	5138.27099	5126.02050	0.16878	ug/L	08/18/10	19:01	
CCV	Zn	2505.43896	2508.25146	2502.62670	0.15874	ug/L	08/18/10	19:01	
CCV	2203/1	504.97369	506.17129	503.77606	0.33540	ug/L	08/18/10	19:01	
CCV	2203/2	499.03469	501.16186	496.90753	0.60281	ug/L	08/18/10	19:01	
CCV	1960/1	5023.27880	5032.17822	5014.37939	0.25054	ug/L	08/18/10	19:01	
CCV	1960/2	4962.25976	4986.79833	4937.72119	0.69933	ug/L	08/18/10	19:01	
CCV	Y	966.50695	964.09710	968.91674	0.35261		08/18/10	19:01	
CCB	Ag	0.59349	0.56407	0.62291	7.01048	ug/L	08/18/10	19:06	
CCB	Al	-9.89745	-14.33782	-5.45709	63.44683	ug/L	08/18/10	19:06	
CCB	2Al	-0.00989	-0.01433	-0.00545	63.44654	mg/L	08/18/10	19:06	
CCB	As	1.57008	2.01227	1.12788	39.82969	ug/L	08/18/10	19:06	
CCB	B	25.50816	27.40952	23.60679	10.54146	ug/L	08/18/10	19:06	
CCB	Ba	1.38919	0.24884	2.52954	116.08869	ug/L	08/18/10	19:06	
CCB	Be	0.16448	0.05548	0.27348	93.71389	ug/L	08/18/10	19:06	
CCB	Ca	7.93114	4.47640	11.38588	61.60200	ug/L	08/18/10	19:06	
CCB	Cd	0.08899	0.03747	0.14052	81.87625	ug/L	08/18/10	19:06	
CCB	Co	0.12734	-0.07288	0.32757	222.36793	ug/L	08/18/10	19:06	
CCB	Cr	0.94411	0.00544	1.88277	140.60508	ug/L	08/18/10	19:06	
CCB	Cu	1.46514	0.26107	2.66920	116.22113	ug/L	08/18/10	19:06	
CCB	Fe	-10.22773	-15.03199	-5.42348	66.42961	ug/L	08/18/10	19:06	
CCB	2Fe	-0.01022	-0.01503	-0.00542	66.43339	mg/L	08/18/10	19:06	
CCB	K	1.65764	8.31175	-4.99647	567.69464	ug/L	08/18/10	19:06	
CCB	Mg	0.00825	-0.00103	0.01754	159.14949	ug/L	08/18/10	19:06	
CCB	2Mg	0.00001	0.00000	0.00001	118.78067	mg/L	08/18/10	19:06	
CCB	Mn	1.33241	0.21331	2.45152	118.78067	ug/L	08/18/10	19:06	
CCB	Mo	0.35270	1.77890	-1.07348	571.84484	ug/L	08/18/10	19:06	
CCB	Na	92.58666	36.83590	148.33741	85.15641	ug/L	08/18/10	19:06	
CCB	Ni	1.35252	1.87774	0.82731	54.91718	ug/L	08/18/10	19:06	
CCB	Pb	-0.44949	-2.58155	1.68257	670.80072	ug/L	08/18/10	19:06	
CCB	Se	2.82768	-1.30753	6.96290	206.81549	ug/L	08/18/10	19:06	
CCB	Sb	-4.53289	-4.37173	-4.69405	5.02808	ug/L	08/18/10	19:06	
CCB	Sn	2.25814	2.07339	2.44289	11.57031	ug/L	08/18/10	19:06	
CCB	Sr	0.67911	0.09744	1.26077	121.12807	ug/L	08/18/10	19:06	
CCB	Ti	0.11503	-0.09108	0.32114	253.40747	ug/L	08/18/10	19:06	
CCB	Tl	5.73557	9.55642	1.91473	94.21003	ug/L	08/18/10	19:06	
CCB	V	1.43003	0.14441	2.71566	127.14010	ug/L	08/18/10	19:06	
CCB	Zn	0.58354	-0.04451	1.21159	152.20852	ug/L	08/18/10	19:06	
CCB	2203/1	-0.16413	-1.20495	0.87669	896.81292	ug/L	08/18/10	19:06	
CCB	2203/2	-0.59195	-3.26882	2.08490	639.51458	ug/L	08/18/10	19:06	
CCB	1960/1	-0.45040	-2.54259	1.64177	656.91143	ug/L	08/18/10	19:06	
CCB	1960/2	4.46427	-0.69093	9.61947	163.30920	ug/L	08/18/10	19:06	
CCB	Y	961.09570	953.53436	968.65698	1.11261		08/18/10	19:06	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60345-1SD	Ag	51.26366	51.41132	51.11599	0.40736	ug/L	08/18/10	19:12	
60345-1SD	Al	2034.17150	2035.94531	2032.39770	0.12331	ug/L	08/18/10	19:12	
60345-1SD	2Al	2.03435	2.03613	2.03258	0.12331	mg/L	08/18/10	19:12	
60345-1SD	As	2021.57678	2023.97290	2019.18066	0.16762	ug/L	08/18/10	19:12	
60345-1SD	B	1015.71606	1013.75695	1017.67510	0.27276	ug/L	08/18/10	19:12	
60345-1SD	Ba	2202.42114	2203.48559	2201.35668	0.06835	ug/L	08/18/10	19:12	
60345-1SD	Be	50.59320	50.68230	50.50408	0.24908	ug/L	08/18/10	19:12	
60345-1SD	Ca	39315.21093	39407.26953	39223.14843	0.33115	ug/L	08/18/10	19:12	
60345-1SD	Cd	50.48134	50.91097	50.05170	1.20360	ug/L	08/18/10	19:12	
60345-1SD	Co	510.15505	511.65573	508.65438	0.41600	ug/L	08/18/10	19:12	
60345-1SD	Cr	203.88259	204.11688	203.64833	0.16250	ug/L	08/18/10	19:12	
60345-1SD	Cu	257.35595	257.30178	257.41012	0.02976	ug/L	08/18/10	19:12	
60345-1SD	Fe	1033.47167	1034.56457	1032.37866	0.14956	ug/L	08/18/10	19:12	
60345-1SD	2Fe	1.03355	1.03464	1.03246	0.14959	mg/L	08/18/10	19:12	
60345-1SD	K	6205.07324	6205.02587	6205.12060	0.00107	ug/L	08/18/10	19:12	
60345-1SD	Mg	10986.29296	11011.28906	10961.29785	0.32175	ug/L	08/18/10	19:12	
60345-1SD	2Mg	10.98324	11.00823	10.95826	0.32175	mg/L	08/18/10	19:12	
60345-1SD	Mn	520.50463	521.29241	519.71691	0.21403	ug/L	08/18/10	19:12	
60345-1SD	Mo	504.02508	501.41860	506.63153	0.73133	ug/L	08/18/10	19:12	
60345-1SD	Na	14507.80078	14500.80859	14514.79199	0.06815	ug/L	08/18/10	19:12	
60345-1SD	Ni	501.69049	502.14093	501.24002	0.12697	ug/L	08/18/10	19:12	
60345-1SD	Pb	507.47711	511.38879	503.56539	1.09009	ug/L	08/18/10	19:12	
60345-1SD	Se	2048.39379	2056.06811	2040.71948	0.52983	ug/L	08/18/10	19:12	
60345-1SD	Sb	511.15283	510.80947	511.49618	0.09499	ug/L	08/18/10	19:12	
60345-1SD	Sn	1045.17651	1047.44641	1042.90673	0.30712	ug/L	08/18/10	19:12	
60345-1SD	Sr	1116.34594	1115.45629	1117.23559	0.11270	ug/L	08/18/10	19:12	
60345-1SD	Ti	709.45410	710.55133	708.35687	0.21871	ug/L	08/18/10	19:12	
60345-1SD	Tl	2093.63183	2107.89672	2079.36718	0.96356	ug/L	08/18/10	19:12	
60345-1SD	V	523.41888	523.95343	522.88433	0.14442	ug/L	08/18/10	19:12	
60345-1SD	Zn	522.27282	524.04187	520.50384	0.47901	ug/L	08/18/10	19:12	
60345-1SD	2203/1	510.24774	511.89215	508.60336	0.45576	ug/L	08/18/10	19:12	
60345-1SD	2203/2	506.09384	511.13748	501.05020	1.40937	ug/L	08/18/10	19:12	
60345-1SD	1960/1	2070.20703	2083.42797	2056.98608	0.90315	ug/L	08/18/10	19:12	
60345-1SD	1960/2	2037.50280	2042.40795	2032.59765	0.34046	ug/L	08/18/10	19:12	
60345-1SD	Y	965.26599	961.31695	969.21496	0.57856		08/18/10	19:12	
60345-3	Ag	0.41431	0.62325	0.20536	71.32065	ug/L	08/18/10	19:17	
60345-3	Al	-5.93895	-5.10613	-6.77177	19.83156	ug/L	08/18/10	19:17	
60345-3	2Al	-0.00593	-0.00510	-0.00677	19.83157	mg/L	08/18/10	19:17	
60345-3	As	4.42261	4.58835	4.25688	5.29974	ug/L	08/18/10	19:17	
60345-3	B	-1.53357	-0.90303	-2.16410	58.14632	ug/L	08/18/10	19:17	
60345-3	Ba	138.44868	138.55824	138.33912	0.11191	ug/L	08/18/10	19:17	
60345-3	Be	0.05715	0.03314	0.08115	59.40731	ug/L	08/18/10	19:17	
60345-3	Ca	33282.16406	33336.12500	33228.19921	0.22929	ug/L	08/18/10	19:17	
60345-3	Cd	-0.22571	-0.38836	-0.06307	101.90418	ug/L	08/18/10	19:17	
60345-3	Co	0.82343	0.72699	0.91987	16.56310	ug/L	08/18/10	19:17	
60345-3	Cr	0.22901	0.00260	0.45542	139.81236	ug/L	08/18/10	19:17	
60345-3	Cu	5.71957	5.40642	6.03273	7.74305	ug/L	08/18/10	19:17	
60345-3	Fe	7.30226	-0.63044	15.23496	153.63107	ug/L	08/18/10	19:17	
60345-3	2Fe	0.00730	-0.00063	0.01523	153.62443	mg/L	08/18/10	19:17	
60345-3	K	772.54345	773.52294	771.56390	0.17931	ug/L	08/18/10	19:17	
60345-3	Mg	5584.72656	5594.18798	5575.26562	0.23958	ug/L	08/18/10	19:17	
60345-3	2Mg	5.58314	5.59260	5.57369	0.23961	mg/L	08/18/10	19:17	
60345-3	Mn	1.32810	1.29093	1.36527	3.95806	ug/L	08/18/10	19:17	
60345-3	Mo	-0.70914	0.19695	-1.61523	180.69886	ug/L	08/18/10	19:17	
60345-3	Na	9255.00390	9245.81542	9264.19238	0.14040	ug/L	08/18/10	19:17	
60345-3	Ni	0.44097	0.80126	0.08069	115.54339	ug/L	08/18/10	19:17	
60345-3	Pb	0.26050	0.19255	0.32844	36.88559	ug/L	08/18/10	19:17	
60345-3	Se	1.45180	1.28362	1.61998	16.38262	ug/L	08/18/10	19:17	
60345-3	Sb	-0.56016	1.70960	-2.82994	573.03009	ug/L	08/18/10	19:17	
60345-3	Sn	2.02446	2.02466	2.02425	0.01444	ug/L	08/18/10	19:17	
60345-3	Sr	591.49035	592.27203	590.70867	0.18689	ug/L	08/18/10	19:17	
60345-3	Ti	0.39813	0.37089	0.42537	9.67522	ug/L	08/18/10	19:17	
60345-3	Tl	5.08669	6.66809	3.50529	43.96649	ug/L	08/18/10	19:17	
60345-3	V	0.71328	0.78357	0.64299	13.93545	ug/L	08/18/10	19:17	
60345-3	Zn	5.87386	5.73516	6.01256	3.33931	ug/L	08/18/10	19:17	
60345-3	2203/1	-1.75119	-2.35860	-1.14378	49.05244	ug/L	08/18/10	19:17	
60345-3	2203/2	1.26484	1.46622	1.06345	22.51661	ug/L	08/18/10	19:17	
60345-3	1960/1	-0.63223	3.06237	-4.32683	826.42877	ug/L	08/18/10	19:17	
60345-3	1960/2	2.49225	0.39557	4.58893	118.97446	ug/L	08/18/10	19:17	
60345-3	Y	968.89746	965.96337	971.83160	0.42826		08/18/10	19:17	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60345-5	Ag	0.44409	0.26465	0.62353	57.14381	ug/L	08/18/10	19:22	
60345-5	Al	6.63762	10.61436	2.66087	84.72864	ug/L	08/18/10	19:22	
60345-5	2Al	0.00663	0.01061	0.00266	84.72840	mg/L	08/18/10	19:22	
60345-5	As	2.76080	1.75013	3.77147	51.77115	ug/L	08/18/10	19:22	
60345-5	B	-3.39674	-3.80017	-2.99330	16.79674	ug/L	08/18/10	19:22	
60345-5	Ba	62.78572	62.69082	62.88062	0.21375	ug/L	08/18/10	19:22	
60345-5	Be	0.05571	0.05861	0.05281	7.36089	ug/L	08/18/10	19:22	
60345-5	Ca	21584.29296	21550.17382	21618.41210	0.22355	ug/L	08/18/10	19:22	
60345-5	Cd	0.02807	0.20177	-0.14563	875.14129	ug/L	08/18/10	19:22	
60345-5	Co	0.38804	0.21103	0.56506	64.51187	ug/L	08/18/10	19:22	
60345-5	Cr	-0.59815	-0.28283	-0.91346	74.55020	ug/L	08/18/10	19:22	
60345-5	Cu	17.69083	17.73161	17.65005	0.32599	ug/L	08/18/10	19:22	
60345-5	Fe	-3.81658	-10.27001	2.63684	239.12797	ug/L	08/18/10	19:22	
60345-5	2Fe	-0.00381	-0.01026	0.00263	239.14122	mg/L	08/18/10	19:22	
60345-5	K	580.33239	584.17095	576.49389	0.93541	ug/L	08/18/10	19:22	
60345-5	Mg	4012.81640	4005.94848	4019.68457	0.24204	ug/L	08/18/10	19:22	
60345-5	2Mg	4.01168	4.00481	4.01854	0.24200	mg/L	08/18/10	19:22	
60345-5	Mn	0.25919	0.23296	0.28542	14.31328	ug/L	08/18/10	19:22	
60345-5	Mo	-1.02953	-0.53244	-1.52662	68.28209	ug/L	08/18/10	19:22	
60345-5	Na	6187.26513	6183.98730	6190.54296	0.07492	ug/L	08/18/10	19:22	
60345-5	Ni	0.51422	0.53107	0.49737	4.63349	ug/L	08/18/10	19:22	
60345-5	Pb	1.34222	2.41909	0.26536	113.46147	ug/L	08/18/10	19:22	
60345-5	Se	-1.24138	-2.26046	-0.22230	116.09608	ug/L	08/18/10	19:22	
60345-5	Sb	-7.26458	-9.49781	-5.03136	43.47461	ug/L	08/18/10	19:22	
60345-5	Sn	-1.52808	-3.07528	0.01911	143.19042	ug/L	08/18/10	19:22	
60345-5	Sr	264.96386	264.43490	265.49279	0.28231	ug/L	08/18/10	19:22	
60345-5	Ti	-0.02122	0.16988	-0.21234	1273.20263	ug/L	08/18/10	19:22	
60345-5	Tl	3.32976	1.24796	5.41157	88.41789	ug/L	08/18/10	19:22	
60345-5	V	0.56373	0.73790	0.38956	43.69293	ug/L	08/18/10	19:22	
60345-5	Zn	5.46401	5.60119	5.32682	3.55076	ug/L	08/18/10	19:22	
60345-5	2203/1	2.28175	2.31033	2.25317	1.77140	ug/L	08/18/10	19:22	
60345-5	2203/2	0.87317	2.47338	-0.72704	259.17593	ug/L	08/18/10	19:22	
60345-5	1960/1	0.35379	-0.10361	0.81119	182.83863	ug/L	08/18/10	19:22	
60345-5	1960/2	-2.03777	-3.33727	-0.73827	90.18495	ug/L	08/18/10	19:22	
60345-5	Y	967.10815	970.56176	963.65460	0.50502		08/18/10	19:22	
60345-7	Ag	0.47430	0.32685	0.62176	43.96557	ug/L	08/18/10	19:27	
60345-7	Al	98.27226	97.78623	98.75830	0.69944	ug/L	08/18/10	19:27	
60345-7	2Al	0.09828	0.09779	0.09876	0.69942	mg/L	08/18/10	19:27	
60345-7	As	0.49780	0.29990	0.69570	56.22006	ug/L	08/18/10	19:27	
60345-7	B	-11.36371	-11.07621	-11.65122	3.57799	ug/L	08/18/10	19:27	
60345-7	Ba	13.02668	12.99102	13.06235	0.38720	ug/L	08/18/10	19:27	
60345-7	Be	0.08334	0.06993	0.09675	22.75055	ug/L	08/18/10	19:27	
60345-7	Ca	6624.34082	6616.08398	6632.59765	0.17627	ug/L	08/18/10	19:27	
60345-7	Cd	-0.22499	-0.19396	-0.25603	19.50559	ug/L	08/18/10	19:27	
60345-7	Co	0.36713	0.60677	0.12748	92.31259	ug/L	08/18/10	19:27	
60345-7	Cr	0.36496	0.27862	0.45130	33.45578	ug/L	08/18/10	19:27	
60345-7	Cu	1.54332	1.86177	1.22487	29.18063	ug/L	08/18/10	19:27	
60345-7	Fe	631.36523	633.20629	629.52410	0.41239	ug/L	08/18/10	19:27	
60345-7	2Fe	0.63128	0.63312	0.62944	0.41239	mg/L	08/18/10	19:27	
60345-7	K	440.47863	433.13864	447.81866	2.35660	ug/L	08/18/10	19:27	
60345-7	Mg	915.93725	915.43493	916.43957	0.07755	ug/L	08/18/10	19:27	
60345-7	2Mg	0.91564	0.91514	0.91614	0.07761	mg/L	08/18/10	19:27	
60345-7	Mn	172.95474	172.90406	173.00541	0.04143	ug/L	08/18/10	19:27	
60345-7	Mo	-1.66288	0.07897	-3.40475	148.13824	ug/L	08/18/10	19:27	
60345-7	Na	1328.33374	1369.94311	1286.72448	4.42994	ug/L	08/18/10	19:27	
60345-7	Ni	1.03054	0.28903	1.77204	101.75678	ug/L	08/18/10	19:27	
60345-7	Pb	1.39902	0.84735	1.95070	55.76605	ug/L	08/18/10	19:27	
60345-7	Se	6.61625	7.92541	5.30710	27.98291	ug/L	08/18/10	19:27	
60345-7	Sb	-1.10458	-1.73808	-0.47108	81.10817	ug/L	08/18/10	19:27	
60345-7	Sn	2.84444	2.45981	3.22906	19.12309	ug/L	08/18/10	19:27	
60345-7	Sr	16.57345	16.54772	16.59918	0.21956	ug/L	08/18/10	19:27	
60345-7	Ti	1.10797	1.09228	1.12365	2.00218	ug/L	08/18/10	19:27	
60345-7	Tl	-0.88860	-2.47192	0.69471	251.98532	ug/L	08/18/10	19:27	
60345-7	V	0.99132	0.71281	1.26983	39.73170	ug/L	08/18/10	19:27	
60345-7	Zn	3.36336	3.24768	3.47904	4.86399	ug/L	08/18/10	19:27	
60345-7	2203/1	3.37872	5.91934	0.83809	106.34146	ug/L	08/18/10	19:27	
60345-7	2203/2	0.41066	-1.68483	2.50616	721.62969	ug/L	08/18/10	19:27	
60345-7	1960/1	6.40260	5.25182	7.55339	25.41868	ug/L	08/18/10	19:27	
60345-7	1960/2	6.72292	9.26020	4.18564	53.37340	ug/L	08/18/10	19:27	
60345-7	Y	981.30249	984.47229	978.13269	0.45681		08/18/10	19:27	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
58368-1	Ag	0.89305	0.62385	1.16226	42.63019	ug/L	08/18/10	19:32	
58368-1	Al	-2.39016	-1.92622	-2.85410	27.45037	ug/L	08/18/10	19:32	
58368-1	2Al	-0.00239	-0.00192	-0.00285	27.45037	mg/L	08/18/10	19:32	
58368-1	As	-6.19709	-4.67412	-7.72006	34.75504	ug/L	08/18/10	19:32	
58368-1	B	52.94300	53.49379	52.39220	1.47128	ug/L	08/18/10	19:32	
58368-1	Ba	38.28316	38.27949	38.28683	0.01356	ug/L	08/18/10	19:32	
58368-1	Be	0.05317	0.05073	0.05560	6.46979	ug/L	08/18/10	19:32	
58368-1	Ca	54118.32812	54077.17968	54159.47265	0.10752	ug/L	08/18/10	19:32	
58368-1	Cd	-0.21970	-0.26052	-0.17888	26.27694	ug/L	08/18/10	19:32	
58368-1	Co	0.42639	0.80240	0.05038	124.71156	ug/L	08/18/10	19:32	
58368-1	Cr	0.37396	0.00359	0.74433	140.06050	ug/L	08/18/10	19:32	
58368-1	Cu	0.95309	0.98646	0.91971	4.95217	ug/L	08/18/10	19:32	
58368-1	Fe	149.18943	136.76789	161.61097	11.77476	ug/L	08/18/10	19:32	
58368-1	2Fe	0.14917	0.13675	0.16159	11.77463	mg/L	08/18/10	19:32	
58368-1	K	8549.12207	8532.46289	8565.78125	0.27557	ug/L	08/18/10	19:32	
58368-1	Mg	37786.78125	37743.65625	37829.90625	0.16140	ug/L	08/18/10	19:32	
58368-1	2Mg	37.77610	37.73298	37.81921	0.16139	mg/L	08/18/10	19:32	
58368-1	Mn	12.90437	12.93538	12.87335	0.33990	ug/L	08/18/10	19:32	
58368-1	Mo	-1.48340	-2.25626	-0.71053	73.68167	ug/L	08/18/10	19:32	
58368-1	Na	193395.28125	193258.03125	193532.54687	0.10037	ug/L	08/18/10	19:32	
58368-1	Ni	-0.30003	-0.61784	0.01778	149.80339	ug/L	08/18/10	19:32	
58368-1	Pb	0.24803	1.96323	-1.46716	977.94256	ug/L	08/18/10	19:32	
58368-1	Se	-4.16203	-7.16833	-1.15574	102.15036	ug/L	08/18/10	19:32	
58368-1	Sb	-3.86273	-4.91131	-2.81415	38.39030	ug/L	08/18/10	19:32	
58368-1	Sn	-0.30292	-1.84433	1.23848	719.62121	ug/L	08/18/10	19:32	
58368-1	Sr	12129.24414	12129.98144	12128.50585	0.00860	ug/L	08/18/10	19:32	
58368-1	Ti	0.03436	0.04540	0.02332	45.43579	ug/L	08/18/10	19:32	
58368-1	Tl	0.91822	1.07232	0.76412	23.73411	ug/L	08/18/10	19:32	
58368-1	V	-0.09285	0.06142	-0.24714	234.97422	ug/L	08/18/10	19:32	
58368-1	Zn	0.26899	0.37570	0.16227	56.10499	ug/L	08/18/10	19:32	
58368-1	2203/1	2.04330	1.64257	2.44404	27.73561	ug/L	08/18/10	19:32	
58368-1	2203/2	-0.64825	2.12332	-3.41983	604.64154	ug/L	08/18/10	19:32	
58368-1	1960/1	-3.23223	-6.26195	-0.20251	132.56060	ug/L	08/18/10	19:32	
58368-1	1960/2	-4.62624	-7.62083	-1.63164	91.54285	ug/L	08/18/10	19:32	
58368-1	Y	963.99133	961.14379	966.83880	0.41774		08/18/10	19:32	
58368-1 1/10	Ag	0.14884	0.14913	0.14854	0.28428	ug/L	08/18/10	19:38	
58368-1 1/10	Al	-13.09651	-14.79957	-11.39346	18.39026	ug/L	08/18/10	19:38	
58368-1 1/10	2Al	-0.01309	-0.01480	-0.01139	18.39027	mg/L	08/18/10	19:38	
58368-1 1/10	As	1.94845	3.20513	0.69177	91.21119	ug/L	08/18/10	19:38	
58368-1 1/10	B	6.77353	6.35647	7.19059	8.70764	ug/L	08/18/10	19:38	
58368-1 1/10	Ba	3.84527	3.89942	3.79111	1.99177	ug/L	08/18/10	19:38	
58368-1 1/10	Be	0.05034	0.04566	0.05503	13.16910	ug/L	08/18/10	19:38	
58368-1 1/10	Ca	5367.97753	5365.55175	5370.40380	0.06391	ug/L	08/18/10	19:38	
58368-1 1/10	Cd	-0.21996	-0.35998	-0.07994	90.02205	ug/L	08/18/10	19:38	
58368-1 1/10	Co	0.42791	0.13365	0.72216	97.24977	ug/L	08/18/10	19:38	
58368-1 1/10	Cr	0.08368	-0.00114	0.16851	143.36463	ug/L	08/18/10	19:38	
58368-1 1/10	Cu	0.88594	0.95590	0.81598	11.16787	ug/L	08/18/10	19:38	
58368-1 1/10	Fe	4.68906	7.05952	2.31860	71.49259	ug/L	08/18/10	19:38	
58368-1 1/10	2Fe	0.00468	0.00705	0.00231	71.48579	mg/L	08/18/10	19:38	
58368-1 1/10	K	657.79321	657.62298	657.96343	0.03659	ug/L	08/18/10	19:38	
58368-1 1/10	Mg	3696.42626	3688.39794	3704.45434	0.30715	ug/L	08/18/10	19:38	
58368-1 1/10	2Mg	3.69538	3.68735	3.70340	0.30716	mg/L	08/18/10	19:38	
58368-1 1/10	Mn	1.31482	1.33002	1.29962	1.63499	ug/L	08/18/10	19:38	
58368-1 1/10	Mo	-2.23813	-2.68423	-1.79203	28.18776	ug/L	08/18/10	19:38	
58368-1 1/10	Na	16628.54882	16541.10156	16715.99609	0.74371	ug/L	08/18/10	19:38	
58368-1 1/10	Ni	0.47846	1.21002	-0.25308	216.22607	ug/L	08/18/10	19:38	
58368-1 1/10	Pb	0.87832	1.17718	0.57946	48.12030	ug/L	08/18/10	19:38	
58368-1 1/10	Se	-0.28278	-0.88145	0.31588	299.39550	ug/L	08/18/10	19:38	
58368-1 1/10	Sb	-6.46440	-7.83346	-5.09534	29.95079	ug/L	08/18/10	19:38	
58368-1 1/10	Sn	1.18891	0.13877	2.23905	124.91436	ug/L	08/18/10	19:38	
58368-1 1/10	Sr	1296.38818	1295.86975	1296.90661	0.05655	ug/L	08/18/10	19:38	
58368-1 1/10	Ti	-0.19627	-0.38271	-0.00983	134.33753	ug/L	08/18/10	19:38	
58368-1 1/10	Tl	-3.49010	0.22250	-7.20271	150.43719	ug/L	08/18/10	19:38	
58368-1 1/10	V	0.18308	-0.33327	0.69944	398.85879	ug/L	08/18/10	19:38	
58368-1 1/10	Zn	-0.05310	-0.05348	-0.05272	1.02149	ug/L	08/18/10	19:38	
58368-1 1/10	2203/1	2.13415	2.26195	2.00634	8.46915	ug/L	08/18/10	19:38	
58368-1 1/10	2203/2	0.25135	0.63561	-0.13290	216.19859	ug/L	08/18/10	19:38	
58368-1 1/10	1960/1	-2.65575	0.06972	-5.38123	145.13426	ug/L	08/18/10	19:38	
58368-1 1/10	1960/2	0.90192	-1.35632	3.16017	354.09381	ug/L	08/18/10	19:38	
58368-1 1/10	Y	980.23950	981.06683	979.41217	0.11936		08/18/10	19:38	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 177472	Ag	0.12969	0.15725	0.10213	30.04873	ug/L	08/18/10	19:44	
PBW 177472	Al	-22.00369	-23.52527	-20.48210	9.77947	ug/L	08/18/10	19:44	
PBW 177472	2Al	-0.02200	-0.02352	-0.02048	9.77947	mg/L	08/18/10	19:44	
PBW 177472	As	-2.59534	-2.17054	-3.02015	23.14772	ug/L	08/18/10	19:44	
PBW 177472	B	-23.31145	-23.11095	-23.51195	1.21635	ug/L	08/18/10	19:44	
PBW 177472	Ba	0.05008	0.05020	0.04996	0.33537	ug/L	08/18/10	19:44	
PBW 177472	Be	0.07193	0.06418	0.07968	15.24146	ug/L	08/18/10	19:44	
PBW 177472	Ca	25.16843	24.16751	26.16936	5.62419	ug/L	08/18/10	19:44	
PBW 177472	Cd	-0.28416	-0.12936	-0.43896	77.04164	ug/L	08/18/10	19:44	
PBW 177472	Co	0.58212	0.14228	1.02195	106.85364	ug/L	08/18/10	19:44	
PBW 177472	Cr	-0.03439	-0.06116	-0.00761	110.09560	ug/L	08/18/10	19:44	
PBW 177472	Cu	0.06387	0.46457	-0.33682	887.12329	ug/L	08/18/10	19:44	
PBW 177472	Fe	-19.03806	-24.40849	-13.66763	39.89340	ug/L	08/18/10	19:44	
PBW 177472	2Fe	-0.01903	-0.02440	-0.01366	39.89482	mg/L	08/18/10	19:44	
PBW 177472	K	7.31663	8.25850	6.37476	18.20518	ug/L	08/18/10	19:44	
PBW 177472	Mg	-0.00252	-0.00328	-0.00176	42.52877	ug/L	08/18/10	19:44	
PBW 177472	2Mg	0.00000	0.00000	0.00000	31.83467	mg/L	08/18/10	19:44	
PBW 177472	Mn	0.10931	0.13392	0.08471	31.83468	ug/L	08/18/10	19:44	
PBW 177472	Mo	-3.21652	-3.78781	-2.64523	25.11795	ug/L	08/18/10	19:44	
PBW 177472	Na	161.85690	215.76922	107.94459	47.10551	ug/L	08/18/10	19:44	
PBW 177472	Ni	0.68315	0.55013	0.81617	27.53709	ug/L	08/18/10	19:44	
PBW 177472	Pb	0.24371	-1.23504	1.72246	858.09741	ug/L	08/18/10	19:44	
PBW 177472	Se	-0.35090	1.57244	-2.27426	775.13726	ug/L	08/18/10	19:44	
PBW 177472	Sb	-6.01519	-6.02891	-6.00146	0.32263	ug/L	08/18/10	19:44	
PBW 177472	Sn	2.90946	3.48771	2.33122	28.10692	ug/L	08/18/10	19:44	
PBW 177472	Sr	0.45359	0.24119	0.66599	66.22132	ug/L	08/18/10	19:44	
PBW 177472	Ti	-0.09356	-0.12096	-0.06616	41.41949	ug/L	08/18/10	19:44	
PBW 177472	Tl	-2.77597	-4.48793	-1.06401	87.21529	ug/L	08/18/10	19:44	
PBW 177472	V	0.12750	0.19471	0.06030	74.53970	ug/L	08/18/10	19:44	
PBW 177472	Zn	0.74485	0.64750	0.84219	18.48301	ug/L	08/18/10	19:44	
PBW 177472	2203/1	0.90275	-0.50603	2.31153	220.69393	ug/L	08/18/10	19:44	
PBW 177472	2203/2	-0.08531	-1.59900	1.42837	2509.10131	ug/L	08/18/10	19:44	
PBW 177472	1960/1	-1.54370	3.95442	-7.04183	503.69348	ug/L	08/18/10	19:44	
PBW 177472	1960/2	0.24459	0.38323	0.10594	80.16262	ug/L	08/18/10	19:44	
PBW 177472	Y	1007.27166	1004.05859	1010.48474	0.45111		08/18/10	19:44	
LCSW-1	Ag	50.65747	50.65432	50.66061	0.00878	ug/L	08/18/10	19:49	
LCSW-1	Al	1993.98046	1992.32995	1995.63098	0.11706	ug/L	08/18/10	19:49	
LCSW-1	2Al	1.99392	1.99227	1.99557	0.11705	mg/L	08/18/10	19:49	
LCSW-1	As	1989.64062	1994.81726	1984.46398	0.36794	ug/L	08/18/10	19:49	
LCSW-1	B	976.01794	972.87921	979.15667	0.45479	ug/L	08/18/10	19:49	
LCSW-1	Ba	2040.15747	2039.07116	2041.24377	0.07530	ug/L	08/18/10	19:49	
LCSW-1	Be	49.34387	49.28963	49.39812	0.15547	ug/L	08/18/10	19:49	
LCSW-1	Ca	5163.56445	5162.26171	5164.86718	0.03567	ug/L	08/18/10	19:49	
LCSW-1	Cd	49.33309	49.18264	49.48354	0.43129	ug/L	08/18/10	19:49	
LCSW-1	Co	504.91979	506.25799	503.58163	0.37480	ug/L	08/18/10	19:49	
LCSW-1	Cr	201.21798	201.02647	201.40948	0.13459	ug/L	08/18/10	19:49	
LCSW-1	Cu	249.44076	249.92750	248.95404	0.27595	ug/L	08/18/10	19:49	
LCSW-1	Fe	1013.78857	1023.37054	1004.20654	1.33666	ug/L	08/18/10	19:49	
LCSW-1	2Fe	1.01387	1.02345	1.00429	1.33646	mg/L	08/18/10	19:49	
LCSW-1	K	5254.37109	5256.33398	5252.40771	0.05283	ug/L	08/18/10	19:49	
LCSW-1	Mg	5139.96777	5140.94140	5138.99365	0.02679	ug/L	08/18/10	19:49	
LCSW-1	2Mg	5.13857	5.13954	5.13760	0.02673	mg/L	08/18/10	19:49	
LCSW-1	Mn	508.55358	507.92892	509.17822	0.17370	ug/L	08/18/10	19:49	
LCSW-1	Mo	490.80148	490.63909	490.96386	0.04678	ug/L	08/18/10	19:49	
LCSW-1	Na	4716.20703	4728.81347	4703.60009	0.37802	ug/L	08/18/10	19:49	
LCSW-1	Ni	501.50894	501.67098	501.34689	0.04569	ug/L	08/18/10	19:49	
LCSW-1	Pb	502.21038	500.85815	503.56259	0.38078	ug/L	08/18/10	19:49	
LCSW-1	Se	2020.04064	2018.08178	2021.99951	0.13713	ug/L	08/18/10	19:49	
LCSW-1	Sb	495.94274	494.86068	497.02481	0.30855	ug/L	08/18/10	19:49	
LCSW-1	Sn	1018.15563	1020.19671	1016.11456	0.28350	ug/L	08/18/10	19:49	
LCSW-1	Sr	504.92498	504.99865	504.85131	0.02063	ug/L	08/18/10	19:49	
LCSW-1	Ti	698.12500	697.61138	698.63854	0.10403	ug/L	08/18/10	19:49	
LCSW-1	Tl	2059.66113	2061.67260	2057.64965	0.13811	ug/L	08/18/10	19:49	
LCSW-1	V	516.19470	516.54675	515.84265	0.09645	ug/L	08/18/10	19:49	
LCSW-1	Zn	511.47851	510.59365	512.36340	0.24466	ug/L	08/18/10	19:49	
LCSW-1	2203/1	508.85421	507.95788	509.75054	0.24910	ug/L	08/18/10	19:49	
LCSW-1	2203/2	498.89343	497.31359	500.47326	0.44783	ug/L	08/18/10	19:49	
LCSW-1	1960/1	2057.63378	2063.49560	2051.77221	0.40287	ug/L	08/18/10	19:49	
LCSW-1	1960/2	2001.27160	1995.40832	2007.13488	0.41433	ug/L	08/18/10	19:49	
LCSW-1	Y	990.77819	991.99511	989.56127	0.17370		08/18/10	19:49	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1 (RL)	Ag	14.73124	14.78876	14.67372	0.55221	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Al	261.82861	260.93054	262.72668	0.48507	ug/L	08/18/10	19:55	
LCSW-1 (RL)	2Al	0.26185	0.26095	0.26275	0.48507	mg/L	08/18/10	19:55	
LCSW-1 (RL)	As	25.53590	29.66695	21.40485	22.87833	ug/L	08/18/10	19:55	
LCSW-1 (RL)	B	109.04219	109.65238	108.43199	0.79139	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Ba	14.09535	13.97170	14.21901	1.24065	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Be	5.35944	5.38298	5.33590	0.62115	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Ca	711.46582	711.21295	711.71875	0.05026	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Cd	6.02718	6.17245	5.88191	3.40859	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Co	7.38903	6.81037	7.96768	11.07506	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Cr	6.47425	6.05188	6.89662	9.22606	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Cu	28.56907	28.38368	28.75445	0.91769	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Fe	65.36116	65.05266	65.66966	0.66749	ug/L	08/18/10	19:55	
LCSW-1 (RL)	2Fe	0.06535	0.06504	0.06566	0.66785	mg/L	08/18/10	19:55	
LCSW-1 (RL)	K	1404.38647	1401.91406	1406.85900	0.24897	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Mg	679.48046	679.04064	679.92028	0.09154	ug/L	08/18/10	19:55	
LCSW-1 (RL)	2Mg	0.67928	0.67884	0.67972	0.09154	mg/L	08/18/10	19:55	
LCSW-1 (RL)	Mn	13.67821	13.54578	13.81063	1.36917	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Mo	14.77854	13.77225	15.78484	9.62959	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Na	1417.57592	1375.00048	1460.15148	4.24745	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Ni	52.85356	52.28945	53.41768	1.50941	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Pb	14.50951	14.89256	14.12646	3.73348	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Se	28.51148	27.14591	29.87706	6.77345	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Sb	21.46161	18.71623	24.20699	18.09068	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Sn	68.47838	66.06346	70.89331	4.98729	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Sr	13.73417	13.59891	13.86944	1.39280	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Ti	13.68204	13.53192	13.83215	1.55162	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Tl	38.30184	40.67095	35.93273	8.74743	ug/L	08/18/10	19:55	
LCSW-1 (RL)	V	14.11438	14.08591	14.14284	0.28521	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Zn	28.48342	28.51541	28.45144	0.15880	ug/L	08/18/10	19:55	
LCSW-1 (RL)	2203/1	13.19018	13.72829	12.65208	5.76939	ug/L	08/18/10	19:55	
LCSW-1 (RL)	2203/2	15.16819	15.47382	14.86255	2.84959	ug/L	08/18/10	19:55	
LCSW-1 (RL)	1960/1	32.57821	32.83729	32.31912	1.12467	ug/L	08/18/10	19:55	
LCSW-1 (RL)	1960/2	26.48116	24.30447	28.65784	11.62446	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Y	980.98986	985.16491	976.81475	0.60188		08/18/10	19:55	
60145-1	Ag	0.87026	0.68683	1.05370	29.80921	ug/L	08/18/10	20:00	
60145-1	Al	22.97202	26.32731	19.61673	20.65597	ug/L	08/18/10	20:00	
60145-1	2Al	0.02297	0.02632	0.01961	20.65591	mg/L	08/18/10	20:00	
60145-1	As	3.88873	3.15125	4.62621	26.81996	ug/L	08/18/10	20:00	
60145-1	B	6.65658	6.99703	6.31614	7.23291	ug/L	08/18/10	20:00	
60145-1	Ba	64.57453	64.64018	64.50890	0.14375	ug/L	08/18/10	20:00	
60145-1	Be	0.02212	0.01651	0.02773	35.86812	ug/L	08/18/10	20:00	
60145-1	Ca	8919.44140	8910.95800	8927.92382	0.13449	ug/L	08/18/10	20:00	
60145-1	Cd	0.04215	0.10432	-0.02001	208.57994	ug/L	08/18/10	20:00	
60145-1	Co	25.31956	25.66675	24.97238	1.93917	ug/L	08/18/10	20:00	
60145-1	Cr	2.45482	2.97971	1.92992	30.23919	ug/L	08/18/10	20:00	
60145-1	Cu	35016.08203	35005.10937	35027.05468	0.04431	ug/L	08/18/10	20:00	
60145-1	Fe	388.16436	388.18371	388.14505	0.00704	ug/L	08/18/10	20:00	
60145-1	2Fe	0.38812	0.38814	0.38810	0.00708	mg/L	08/18/10	20:00	
60145-1	K	4349.60742	4353.08349	4346.13183	0.11301	ug/L	08/18/10	20:00	
60145-1	Mg	3174.72607	3177.57031	3171.88183	0.12669	ug/L	08/18/10	20:00	
60145-1	2Mg	3.17384	3.17669	3.17100	0.12669	mg/L	08/18/10	20:00	
60145-1	Mn	185.71041	185.36303	186.05780	0.26453	ug/L	08/18/10	20:00	
60145-1	Mo	-0.51220	-0.32710	-0.69730	51.10594	ug/L	08/18/10	20:00	
60145-1	Na	22992.33984	23004.13281	22980.54882	0.07253	ug/L	08/18/10	20:00	
60145-1	Ni	4190.25341	4186.92675	4193.58007	0.11227	ug/L	08/18/10	20:00	
60145-1	Pb	4.91139	4.14583	5.67696	22.04417	ug/L	08/18/10	20:00	
60145-1	Se	-2.30355	-1.72040	-2.88669	35.80087	ug/L	08/18/10	20:00	
60145-1	Sb	-1.20909	-3.71920	1.30102	293.59533	ug/L	08/18/10	20:00	
60145-1	Sn	6.34551	5.90754	6.78349	9.76112	ug/L	08/18/10	20:00	
60145-1	Sr	106.49780	106.20108	106.79452	0.39402	ug/L	08/18/10	20:00	
60145-1	Ti	0.73731	0.91693	0.55768	34.45281	ug/L	08/18/10	20:00	
60145-1	Tl	-0.35357	4.42337	-5.13052	1910.66723	ug/L	08/18/10	20:00	
60145-1	V	-1.16747	-0.84377	-1.49118	39.21178	ug/L	08/18/10	20:00	
60145-1	Zn	720.31304	720.75878	719.86730	0.08751	ug/L	08/18/10	20:00	
60145-1	2203/1	6.15883	6.70973	5.60793	12.64989	ug/L	08/18/10	20:00	
60145-1	2203/2	4.28861	2.86580	5.71142	46.91870	ug/L	08/18/10	20:00	
60145-1	1960/1	-4.84940	-6.32274	-3.37606	42.96639	ug/L	08/18/10	20:00	
60145-1	1960/2	-1.03253	0.57731	-2.64237	220.49334	ug/L	08/18/10	20:00	
60145-1	Y	946.98791	946.89654	947.07934	0.01364		08/18/10	20:00	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	490.07586	491.51934	488.63238	0.41654	ug/L	08/18/10	20:05	
CCV	Al	4903.19970	4915.17871	4891.22070	0.34550	ug/L	08/18/10	20:05	
CCV	2Al	4.90338	4.91536	4.89140	0.34553	mg/L	08/18/10	20:05	
CCV	As	494.78283	494.11160	495.45407	0.19185	ug/L	08/18/10	20:05	
CCV	B	4864.30957	4861.64746	4866.97167	0.07739	ug/L	08/18/10	20:05	
CCV	Ba	4949.52343	4954.65820	4944.38818	0.14672	ug/L	08/18/10	20:05	
CCV	Be	489.77111	490.89678	488.64544	0.32503	ug/L	08/18/10	20:05	
CCV	Ca	5095.38671	5105.57617	5085.19677	0.28281	ug/L	08/18/10	20:05	
CCV	Cd	484.75231	486.12014	483.38449	0.39904	ug/L	08/18/10	20:05	
CCV	Co	493.25772	494.58801	491.92742	0.38140	ug/L	08/18/10	20:05	
CCV	Cr	4911.38916	4918.09423	4904.68408	0.19306	ug/L	08/18/10	20:05	
CCV	Cu	4937.83886	4944.76708	4930.91113	0.19841	ug/L	08/18/10	20:05	
CCV	Fe	4904.30957	4912.40771	4896.21093	0.23352	ug/L	08/18/10	20:05	
CCV	2Fe	4.90433	4.91242	4.89623	0.23351	mg/L	08/18/10	20:05	
CCV	K	10052.48632	10068.90429	10036.06835	0.23097	ug/L	08/18/10	20:05	
CCV	Mg	5085.42089	5093.85693	5076.98437	0.23460	ug/L	08/18/10	20:05	
CCV	2Mg	5.08540	5.09383	5.07696	0.23460	mg/L	08/18/10	20:05	
CCV	Mn	4970.72851	4978.71484	4962.74267	0.22721	ug/L	08/18/10	20:05	
CCV	Mo	486.50076	484.77905	488.22247	0.50048	ug/L	08/18/10	20:05	
CCV	Na	7372.09423	7303.67968	7440.50878	1.31241	ug/L	08/18/10	20:05	
CCV	Ni	2464.48999	2465.40454	2463.57543	0.05248	ug/L	08/18/10	20:05	
CCV	Pb	496.95794	498.37542	495.54046	0.40337	ug/L	08/18/10	20:05	
CCV	Se	4905.69531	4917.00097	4894.38964	0.32591	ug/L	08/18/10	20:05	
CCV	Sb	485.39807	486.02346	484.77267	0.18221	ug/L	08/18/10	20:05	
CCV	Sn	5064.39648	5074.63085	5054.16210	0.28579	ug/L	08/18/10	20:05	
CCV	Sr	2444.95312	2448.22070	2441.68530	0.18901	ug/L	08/18/10	20:05	
CCV	Ti	491.36486	491.80618	490.92355	0.12701	ug/L	08/18/10	20:05	
CCV	Tl	4909.62890	4917.98339	4901.27441	0.24065	ug/L	08/18/10	20:05	
CCV	V	5118.52441	5123.14843	5113.90039	0.12775	ug/L	08/18/10	20:05	
CCV	Zn	2491.56250	2497.04125	2486.08398	0.31096	ug/L	08/18/10	20:05	
CCV	2203/1	506.59399	503.78668	509.40130	0.78369	ug/L	08/18/10	20:05	
CCV	2203/2	492.14245	495.66912	488.61578	1.01341	ug/L	08/18/10	20:05	
CCV	1960/1	4988.33300	4983.43359	4993.23242	0.13890	ug/L	08/18/10	20:05	
CCV	1960/2	4864.43847	4883.83447	4845.04248	0.56388	ug/L	08/18/10	20:05	
CCV	Y	995.83349	996.56463	995.10241	0.10382		08/18/10	20:05	
CCB	Ag	0.64874	0.97110	0.32639	70.27088	ug/L	08/18/10	20:10	
CCB	Al	-17.32869	-21.32514	-13.33224	32.61549	ug/L	08/18/10	20:10	
CCB	2Al	-0.01733	-0.02132	-0.01333	32.61542	mg/L	08/18/10	20:10	
CCB	As	2.34298	0.60955	4.07641	104.62879	ug/L	08/18/10	20:10	
CCB	B	22.25057	24.12919	20.37194	11.94027	ug/L	08/18/10	20:10	
CCB	Ba	0.85277	0.10119	1.60435	124.63872	ug/L	08/18/10	20:10	
CCB	Be	0.15673	0.08546	0.22801	64.31133	ug/L	08/18/10	20:10	
CCB	Ca	5.08302	3.96698	6.19906	31.05080	ug/L	08/18/10	20:10	
CCB	Cd	0.06395	-0.11477	0.24268	395.20870	ug/L	08/18/10	20:10	
CCB	Co	0.10478	-0.20152	0.41108	413.41427	ug/L	08/18/10	20:10	
CCB	Cr	0.84064	0.10823	1.57304	123.21255	ug/L	08/18/10	20:10	
CCB	Cu	1.39336	0.72965	2.05707	67.36401	ug/L	08/18/10	20:10	
CCB	Fe	-19.03402	-16.65281	-21.41522	17.69216	ug/L	08/18/10	20:10	
CCB	2Fe	-0.01903	-0.01665	-0.02141	17.69098	mg/L	08/18/10	20:10	
CCB	K	4.46966	3.19757	5.74174	40.24908	ug/L	08/18/10	20:10	
CCB	Mg	0.00276	-0.00287	0.00841	288.40219	ug/L	08/18/10	20:10	
CCB	2Mg	0.00000	0.00000	0.00001	140.19764	mg/L	08/18/10	20:10	
CCB	Mn	0.81055	0.00701	1.61409	140.19764	ug/L	08/18/10	20:10	
CCB	Mo	0.51522	1.75072	-0.72026	339.12268	ug/L	08/18/10	20:10	
CCB	Na	82.41555	109.57663	55.25446	46.60719	ug/L	08/18/10	20:10	
CCB	Ni	-0.07529	-0.88594	0.73536	1522.65625	ug/L	08/18/10	20:10	
CCB	Pb	-0.22341	1.01497	-1.46179	783.91101	ug/L	08/18/10	20:10	
CCB	Se	1.91854	-0.83037	4.66745	202.63052	ug/L	08/18/10	20:10	
CCB	Sb	-2.72233	-2.12940	-3.31525	30.80175	ug/L	08/18/10	20:10	
CCB	Sn	1.90383	1.14469	2.66296	56.39017	ug/L	08/18/10	20:10	
CCB	Sr	0.45243	0.03764	0.86722	129.65388	ug/L	08/18/10	20:10	
CCB	Ti	0.20220	0.18955	0.21484	8.84217	ug/L	08/18/10	20:10	
CCB	Tl	3.00002	1.32891	4.67113	78.77609	ug/L	08/18/10	20:10	
CCB	V	0.85786	0.06669	1.64902	130.42579	ug/L	08/18/10	20:10	
CCB	Zn	0.56726	-0.15884	1.29338	181.02279	ug/L	08/18/10	20:10	
CCB	2203/1	0.30644	-0.35309	0.96598	304.37173	ug/L	08/18/10	20:10	
CCB	2203/2	-0.48794	1.69798	-2.67386	633.55334	ug/L	08/18/10	20:10	
CCB	1960/1	3.90407	5.15130	2.65683	45.17987	ug/L	08/18/10	20:10	
CCB	1960/2	0.92726	-3.81672	5.67125	723.52770	ug/L	08/18/10	20:10	
CCB	Y	986.20874	990.51367	981.90374	0.61732		08/18/10	20:10	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60345-1	Ag	0.65193	0.38565	0.91822	57.76399	ug/L	08/18/10	20:15	
60345-1	Al	-12.35978	-10.16638	-14.55319	25.09706	ug/L	08/18/10	20:15	
60345-1	2Al	-0.01236	-0.01016	-0.01455	25.09722	mg/L	08/18/10	20:15	
60345-1	As	-0.16466	1.16062	-1.48995	1138.20507	ug/L	08/18/10	20:15	
60345-1	B	-7.46656	-6.49280	-8.44031	18.44354	ug/L	08/18/10	20:15	
60345-1	Ba	136.30534	136.33230	136.27838	0.02797	ug/L	08/18/10	20:15	
60345-1	Be	0.08830	0.08037	0.09622	12.68572	ug/L	08/18/10	20:15	
60345-1	Ca	33167.75000	33183.01953	33152.47656	0.06511	ug/L	08/18/10	20:15	
60345-1	Cd	-0.38871	-0.43556	-0.34185	17.04718	ug/L	08/18/10	20:15	
60345-1	Co	0.17823	-0.05453	0.41099	184.68945	ug/L	08/18/10	20:15	
60345-1	Cr	0.25169	0.44690	0.05649	109.67706	ug/L	08/18/10	20:15	
60345-1	Cu	7.89034	7.84471	7.93596	0.81777	ug/L	08/18/10	20:15	
60345-1	Fe	-7.91925	-19.81652	3.97802	212.46057	ug/L	08/18/10	20:15	
60345-1	2Fe	-0.00791	-0.01981	0.00397	212.46562	mg/L	08/18/10	20:15	
60345-1	K	760.93786	756.33154	765.54418	0.85609	ug/L	08/18/10	20:15	
60345-1	Mg	5583.73095	5593.12158	5574.34033	0.23784	ug/L	08/18/10	20:15	
60345-1	2Mg	5.58215	5.59154	5.57276	0.23788	mg/L	08/18/10	20:15	
60345-1	Mn	0.37554	0.34903	0.40204	9.98209	ug/L	08/18/10	20:15	
60345-1	Mo	-0.40699	-0.36569	-0.44828	14.35014	ug/L	08/18/10	20:15	
60345-1	Na	9198.75976	9220.80761	9176.71191	0.33896	ug/L	08/18/10	20:15	
60345-1	Ni	-0.31752	-0.19136	-0.44367	56.18877	ug/L	08/18/10	20:15	
60345-1	Pb	0.60685	0.91273	0.30097	71.28237	ug/L	08/18/10	20:15	
60345-1	Se	5.03048	8.02039	2.04057	84.05491	ug/L	08/18/10	20:15	
60345-1	Sb	-5.51242	-7.45326	-3.57157	49.79233	ug/L	08/18/10	20:15	
60345-1	Sn	1.50369	1.89117	1.11620	36.44265	ug/L	08/18/10	20:15	
60345-1	Sr	576.26452	577.50872	575.02026	0.30534	ug/L	08/18/10	20:15	
60345-1	Ti	-0.06694	-0.13110	-0.00278	135.53991	ug/L	08/18/10	20:15	
60345-1	Tl	0.92077	0.97471	0.86683	8.28456	ug/L	08/18/10	20:15	
60345-1	V	0.57679	0.23555	0.91803	83.66644	ug/L	08/18/10	20:15	
60345-1	Zn	6.57660	6.44839	6.70482	2.75717	ug/L	08/18/10	20:15	
60345-1	2203/1	-0.33051	-0.17543	-0.48559	66.35628	ug/L	08/18/10	20:15	
60345-1	2203/2	1.07483	1.45600	0.69367	50.15192	ug/L	08/18/10	20:15	
60345-1	1960/1	7.08504	13.03820	1.13188	118.82823	ug/L	08/18/10	20:15	
60345-1	1960/2	4.00469	5.51515	2.49424	53.34011	ug/L	08/18/10	20:15	
60345-1	Y	980.69165	984.21252	977.17071	0.50773		08/18/10	20:15	
60345-1S	Ag	53.58240	53.17532	53.98948	1.07442	ug/L	08/18/10	20:21	
60345-1S	Al	2094.10302	2087.88256	2100.32373	0.42009	ug/L	08/18/10	20:21	
60345-1S	2Al	2.09417	2.08783	2.10051	0.42826	mg/L	08/18/10	20:21	
60345-1S	As	2084.98193	2077.90551	2092.05810	0.47997	ug/L	08/18/10	20:21	
60345-1S	B	1029.79296	1025.64978	1033.93615	0.56898	ug/L	08/18/10	20:21	
60345-1S	Ba	2243.01123	2236.35009	2249.67260	0.41999	ug/L	08/18/10	20:21	
60345-1S	Be	51.48587	51.37538	51.59635	0.30347	ug/L	08/18/10	20:21	
60345-1S	Ca	39770.07812	39703.73828	39836.41796	0.23590	ug/L	08/18/10	20:21	
60345-1S	Cd	51.19054	51.19053	51.19055	0.00003	ug/L	08/18/10	20:21	
60345-1S	Co	522.75000	521.58093	523.91900	0.31626	ug/L	08/18/10	20:21	
60345-1S	Cr	208.18003	207.83645	208.52362	0.23340	ug/L	08/18/10	20:21	
60345-1S	Cu	264.21087	262.85354	265.56820	0.72652	ug/L	08/18/10	20:21	
60345-1S	Fe	1165.13305	1148.42443	1181.84167	2.02805	ug/L	08/18/10	20:21	
60345-1S	2Fe	1.16520	1.14849	1.18191	2.02772	mg/L	08/18/10	20:21	
60345-1S	K	6478.04101	6465.76660	6490.31494	0.26795	ug/L	08/18/10	20:21	
60345-1S	Mg	11231.45605	11207.16113	11255.75097	0.30591	ug/L	08/18/10	20:21	
60345-1S	2Mg	11.22832	11.20403	11.25261	0.30588	mg/L	08/18/10	20:21	
60345-1S	Mn	529.77075	528.15820	531.38330	0.43046	ug/L	08/18/10	20:21	
60345-1S	Mo	508.44866	503.46115	513.43621	1.38724	ug/L	08/18/10	20:21	
60345-1S	Na	14936.33593	14980.65234	14892.02050	0.41959	ug/L	08/18/10	20:21	
60345-1S	Ni	516.00354	515.73779	516.26928	0.07283	ug/L	08/18/10	20:21	
60345-1S	Pb	519.92858	520.31829	519.53887	0.10600	ug/L	08/18/10	20:21	
60345-1S	Se	2105.35595	2097.28173	2113.42993	0.54235	ug/L	08/18/10	20:21	
60345-1S	Sb	519.95367	515.39672	524.51062	1.23943	ug/L	08/18/10	20:21	
60345-1S	Sn	1070.17163	1065.76013	1074.58325	0.58298	ug/L	08/18/10	20:21	
60345-1S	Sr	1113.44458	1110.93933	1115.94970	0.31819	ug/L	08/18/10	20:21	
60345-1S	Ti	724.36016	721.92114	726.79919	0.47618	ug/L	08/18/10	20:21	
60345-1S	Tl	2128.85742	2119.40869	2138.30615	0.62768	ug/L	08/18/10	20:21	
60345-1S	V	538.35906	536.92266	539.79547	0.37732	ug/L	08/18/10	20:21	
60345-1S	Zn	538.44775	536.46832	540.42724	0.51989	ug/L	08/18/10	20:21	
60345-1S	2203/1	529.64538	527.88500	531.40570	0.47003	ug/L	08/18/10	20:21	
60345-1S	2203/2	515.07751	516.54058	513.61437	0.40171	ug/L	08/18/10	20:21	
60345-1S	1960/1	2146.61743	2142.16284	2151.07202	0.29347	ug/L	08/18/10	20:21	
60345-1S	1960/2	2084.75537	2074.87426	2094.63647	0.67029	ug/L	08/18/10	20:21	
60345-1S	Y	969.47949	972.00476	966.95428	0.36836		08/18/10	20:21	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60345-1SD	Ag	52.27645	51.89688	52.65600	1.02680	ug/L	08/18/10	20:26	
60345-1SD	Al	2077.81689	2073.18969	2082.44433	0.31494	ug/L	08/18/10	20:26	
60345-1SD	2Al	2.07800	2.07337	2.08263	0.31494	mg/L	08/18/10	20:26	
60345-1SD	As	2077.94873	2078.23535	2077.66210	0.01950	ug/L	08/18/10	20:26	
60345-1SD	B	1022.48950	1016.93615	1028.04284	0.76808	ug/L	08/18/10	20:26	
60345-1SD	Ba	2229.72460	2225.44458	2234.00439	0.27145	ug/L	08/18/10	20:26	
60345-1SD	Be	51.29604	51.17005	51.42203	0.34734	ug/L	08/18/10	20:26	
60345-1SD	Ca	39628.28906	39535.63281	39720.94140	0.33065	ug/L	08/18/10	20:26	
60345-1SD	Cd	51.11980	51.38026	50.85935	0.72053	ug/L	08/18/10	20:26	
60345-1SD	Co	520.29174	518.68560	521.89794	0.43657	ug/L	08/18/10	20:26	
60345-1SD	Cr	207.72918	207.55854	207.89984	0.11617	ug/L	08/18/10	20:26	
60345-1SD	Cu	262.75213	262.68466	262.81964	0.03632	ug/L	08/18/10	20:26	
60345-1SD	Fe	1041.20727	1031.23718	1051.17724	1.35417	ug/L	08/18/10	20:26	
60345-1SD	2Fe	1.04129	1.03132	1.05126	1.35395	mg/L	08/18/10	20:26	
60345-1SD	K	6377.19335	6379.39599	6374.99121	0.04884	ug/L	08/18/10	20:26	
60345-1SD	Mg	11184.92382	11159.40234	11210.44628	0.32269	ug/L	08/18/10	20:26	
60345-1SD	2Mg	11.18182	11.15631	11.20734	0.32268	mg/L	08/18/10	20:26	
60345-1SD	Mn	528.02923	527.10681	528.95166	0.24705	ug/L	08/18/10	20:26	
60345-1SD	Mo	510.80261	511.08828	510.51696	0.07908	ug/L	08/18/10	20:26	
60345-1SD	Na	14737.29882	14739.58496	14735.01367	0.02193	ug/L	08/18/10	20:26	
60345-1SD	Ni	512.29101	514.22039	510.36166	0.53261	ug/L	08/18/10	20:26	
60345-1SD	Pb	519.91064	518.49737	521.32397	0.38443	ug/L	08/18/10	20:26	
60345-1SD	Se	2071.42333	2066.80688	2076.04003	0.31518	ug/L	08/18/10	20:26	
60345-1SD	Sb	519.13281	518.88867	519.37689	0.06650	ug/L	08/18/10	20:26	
60345-1SD	Sn	1067.30468	1064.16870	1070.44055	0.41552	ug/L	08/18/10	20:26	
60345-1SD	Sr	1104.59301	1102.84179	1106.34436	0.22421	ug/L	08/18/10	20:26	
60345-1SD	Ti	722.10760	720.75781	723.45739	0.26435	ug/L	08/18/10	20:26	
60345-1SD	Tl	2127.90917	2136.22875	2119.58935	0.55292	ug/L	08/18/10	20:26	
60345-1SD	V	537.05212	536.85235	537.25183	0.05259	ug/L	08/18/10	20:26	
60345-1SD	Zn	538.01013	537.76507	538.25524	0.06442	ug/L	08/18/10	20:26	
60345-1SD	2203/1	527.14294	525.33447	528.95141	0.48517	ug/L	08/18/10	20:26	
60345-1SD	2203/2	516.29992	515.08392	517.51599	0.33308	ug/L	08/18/10	20:26	
60345-1SD	1960/1	2124.15942	2121.40551	2126.91333	0.18334	ug/L	08/18/10	20:26	
60345-1SD	1960/2	2045.09411	2039.54760	2050.64062	0.38354	ug/L	08/18/10	20:26	
60345-1SD	Y	971.58154	977.02642	966.13659	0.79255		08/18/10	20:26	
60345-3	Ag	0.50428	0.68030	0.32826	49.36246	ug/L	08/18/10	20:31	
60345-3	Al	-20.33291	-17.82023	-22.84559	17.47641	ug/L	08/18/10	20:31	
60345-3	2Al	-0.02033	-0.01782	-0.02284	17.47635	mg/L	08/18/10	20:31	
60345-3	As	3.54570	2.49305	4.59835	41.98509	ug/L	08/18/10	20:31	
60345-3	B	-8.64787	-7.96428	-9.33146	11.17895	ug/L	08/18/10	20:31	
60345-3	Ba	139.42706	139.64443	139.20967	0.22049	ug/L	08/18/10	20:31	
60345-3	Be	0.12516	0.12122	0.12911	4.45828	ug/L	08/18/10	20:31	
60345-3	Ca	33665.65234	33787.95312	33543.35156	0.51375	ug/L	08/18/10	20:31	
60345-3	Cd	-0.12839	-0.37786	0.12108	274.79373	ug/L	08/18/10	20:31	
60345-3	Co	0.56934	0.60779	0.53089	9.55144	ug/L	08/18/10	20:31	
60345-3	Cr	0.44492	0.44850	0.44134	1.13799	ug/L	08/18/10	20:31	
60345-3	Cu	6.19355	6.30234	6.08477	2.48389	ug/L	08/18/10	20:31	
60345-3	Fe	-2.59239	-11.95484	6.77005	510.74386	ug/L	08/18/10	20:31	
60345-3	2Fe	-0.00259	-0.01195	0.00676	510.78778	mg/L	08/18/10	20:31	
60345-3	K	772.12170	779.17926	765.06414	1.29265	ug/L	08/18/10	20:31	
60345-3	Mg	5686.38818	5699.88671	5672.88964	0.33571	ug/L	08/18/10	20:31	
60345-3	2Mg	5.68478	5.69828	5.67128	0.33575	mg/L	08/18/10	20:31	
60345-3	Mn	0.24876	0.15290	0.34462	54.49365	ug/L	08/18/10	20:31	
60345-3	Mo	0.03058	-0.00639	0.06756	171.00038	ug/L	08/18/10	20:31	
60345-3	Na	9385.43164	9408.34765	9362.51464	0.34530	ug/L	08/18/10	20:31	
60345-3	Ni	0.66344	0.68400	0.64287	4.38361	ug/L	08/18/10	20:31	
60345-3	Pb	0.60256	-0.73040	1.93552	312.84835	ug/L	08/18/10	20:31	
60345-3	Se	0.52864	-0.80773	1.86502	357.50637	ug/L	08/18/10	20:31	
60345-3	Sb	-0.85653	-0.16198	-1.55109	114.67673	ug/L	08/18/10	20:31	
60345-3	Sn	2.60854	4.34429	0.87280	94.10250	ug/L	08/18/10	20:31	
60345-3	Sr	587.44537	588.17736	586.71337	0.17622	ug/L	08/18/10	20:31	
60345-3	Ti	0.45816	0.43176	0.48455	8.14698	ug/L	08/18/10	20:31	
60345-3	Tl	1.75524	-1.16974	4.68024	235.66795	ug/L	08/18/10	20:31	
60345-3	V	0.52109	0.72734	0.31485	55.97287	ug/L	08/18/10	20:31	
60345-3	Zn	4.88542	5.01654	4.75430	3.79567	ug/L	08/18/10	20:31	
60345-3	2203/1	-0.30688	-1.05345	0.43967	344.03094	ug/L	08/18/10	20:31	
60345-3	2203/2	1.05660	-0.56912	2.68233	217.59628	ug/L	08/18/10	20:31	
60345-3	1960/1	-2.55954	-1.34358	-3.77550	67.18485	ug/L	08/18/10	20:31	
60345-3	1960/2	2.07042	-0.54021	4.68105	178.32119	ug/L	08/18/10	20:31	
60345-3	Y	987.12255	981.81713	992.42803	0.76009		08/18/10	20:31	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60345-5	Ag	0.70890	0.50333	0.91447	41.00893	ug/L	08/18/10	20:36	
60345-5	Al	-24.02675	-22.07372	-25.97978	11.49554	ug/L	08/18/10	20:36	
60345-5	2Al	-0.02402	-0.02207	-0.02598	11.49554	mg/L	08/18/10	20:36	
60345-5	As	5.12629	3.84456	6.40801	35.35955	ug/L	08/18/10	20:36	
60345-5	B	-9.60561	-9.32173	-9.88949	4.17949	ug/L	08/18/10	20:36	
60345-5	Ba	62.14247	62.02257	62.26235	0.27284	ug/L	08/18/10	20:36	
60345-5	Be	0.09282	0.08252	0.10313	15.69425	ug/L	08/18/10	20:36	
60345-5	Ca	21631.17187	21652.84375	21609.50195	0.14168	ug/L	08/18/10	20:36	
60345-5	Cd	-0.01795	-0.09674	0.06084	620.75787	ug/L	08/18/10	20:36	
60345-5	Co	0.99849	1.03793	0.95905	5.58594	ug/L	08/18/10	20:36	
60345-5	Cr	0.24947	0.27724	0.22170	15.74245	ug/L	08/18/10	20:36	
60345-5	Cu	14.17893	14.42573	13.93214	2.46152	ug/L	08/18/10	20:36	
60345-5	Fe	-0.99021	-8.87604	6.89562	1126.24853	ug/L	08/18/10	20:36	
60345-5	2Fe	-0.00098	-0.00887	0.00689	1126.64892	mg/L	08/18/10	20:36	
60345-5	K	579.75469	568.23657	591.27282	2.80965	ug/L	08/18/10	20:36	
60345-5	Mg	4041.33105	4042.15283	4040.50952	0.02875	ug/L	08/18/10	20:36	
60345-5	2Mg	4.04019	4.04101	4.03936	0.02880	mg/L	08/18/10	20:36	
60345-5	Mn	0.11288	0.11275	0.11302	0.16497	ug/L	08/18/10	20:36	
60345-5	Mo	0.16479	0.43060	-0.10102	228.11737	ug/L	08/18/10	20:36	
60345-5	Na	6084.96289	5863.93310	6305.99267	5.13698	ug/L	08/18/10	20:36	
60345-5	Ni	0.30570	0.98055	-0.36914	312.19348	ug/L	08/18/10	20:36	
60345-5	Pb	0.70869	0.84017	0.57721	26.23723	ug/L	08/18/10	20:36	
60345-5	Se	-1.56624	-1.99404	-1.13844	38.62740	ug/L	08/18/10	20:36	
60345-5	Sb	-0.68560	0.16511	-1.53632	175.47993	ug/L	08/18/10	20:36	
60345-5	Sn	1.69619	-0.94423	4.33661	220.14772	ug/L	08/18/10	20:36	
60345-5	Sr	260.35260	261.41693	259.28826	0.57813	ug/L	08/18/10	20:36	
60345-5	Ti	-0.00953	-0.03568	0.01661	387.89053	ug/L	08/18/10	20:36	
60345-5	Tl	-0.31816	-3.34732	2.71099	1346.44079	ug/L	08/18/10	20:36	
60345-5	V	0.29566	-0.01107	0.60239	146.71726	ug/L	08/18/10	20:36	
60345-5	Zn	2.62260	2.31252	2.93267	16.72050	ug/L	08/18/10	20:36	
60345-5	2203/1	-0.03060	-0.27602	0.21481	1133.94531	ug/L	08/18/10	20:36	
60345-5	2203/2	1.07787	1.39761	0.75813	41.95087	ug/L	08/18/10	20:36	
60345-5	1960/1	-3.05656	-1.54240	-4.57073	70.05722	ug/L	08/18/10	20:36	
60345-5	1960/2	-0.82220	-2.21952	0.57512	240.34361	ug/L	08/18/10	20:36	
60345-5	Y	986.47326	986.86767	986.07879	0.05654		08/18/10	20:36	
60345-7	Ag	0.62159	0.44444	0.79873	40.30281	ug/L	08/18/10	20:41	
60345-7	Al	-18.42254	-17.64069	-19.20439	6.00191	ug/L	08/18/10	20:41	
60345-7	2Al	-0.01842	-0.01764	-0.01920	6.00191	mg/L	08/18/10	20:41	
60345-7	As	0.97081	2.39810	-0.45647	207.91658	ug/L	08/18/10	20:41	
60345-7	B	-15.72806	-15.19405	-16.26208	4.80168	ug/L	08/18/10	20:41	
60345-7	Ba	10.19237	10.20784	10.17689	0.21471	ug/L	08/18/10	20:41	
60345-7	Be	0.07312	0.07971	0.06652	12.76102	ug/L	08/18/10	20:41	
60345-7	Ca	6533.65869	6530.37109	6536.94628	0.07116	ug/L	08/18/10	20:41	
60345-7	Cd	-0.24009	-0.09917	-0.38101	83.00534	ug/L	08/18/10	20:41	
60345-7	Co	0.95801	0.99635	0.91966	5.66108	ug/L	08/18/10	20:41	
60345-7	Cr	0.19504	0.44730	-0.05721	182.90632	ug/L	08/18/10	20:41	
60345-7	Cu	1.36265	1.52233	1.20296	16.57249	ug/L	08/18/10	20:41	
60345-7	Fe	10.15138	6.93946	13.36330	44.74604	ug/L	08/18/10	20:41	
60345-7	2Fe	0.01015	0.00693	0.01336	44.74481	mg/L	08/18/10	20:41	
60345-7	K	427.72302	421.93118	433.51483	1.91499	ug/L	08/18/10	20:41	
60345-7	Mg	904.18872	905.18621	903.19128	0.15601	ug/L	08/18/10	20:41	
60345-7	2Mg	0.90393	0.90492	0.90293	0.15610	mg/L	08/18/10	20:41	
60345-7	Mn	0.43642	0.50929	0.36355	23.61382	ug/L	08/18/10	20:41	
60345-7	Mo	-1.16621	-1.25572	-1.07670	10.85429	ug/L	08/18/10	20:41	
60345-7	Na	1372.83569	1297.48254	1448.18872	7.76242	ug/L	08/18/10	20:41	
60345-7	Ni	0.01801	0.01992	0.01610	15.00092	ug/L	08/18/10	20:41	
60345-7	Pb	0.18340	0.19611	0.17069	9.79864	ug/L	08/18/10	20:41	
60345-7	Se	0.36620	0.16798	0.56441	76.54841	ug/L	08/18/10	20:41	
60345-7	Sb	-4.33208	-6.03885	-2.62530	55.71780	ug/L	08/18/10	20:41	
60345-7	Sn	3.43055	2.93843	3.92268	20.28732	ug/L	08/18/10	20:41	
60345-7	Sr	15.90530	15.91802	15.89258	0.11310	ug/L	08/18/10	20:41	
60345-7	Ti	-0.02622	0.00109	-0.05353	147.32923	ug/L	08/18/10	20:41	
60345-7	Tl	-0.42405	-2.30704	1.45894	627.98144	ug/L	08/18/10	20:41	
60345-7	V	-0.17078	-0.30635	-0.03520	112.26886	ug/L	08/18/10	20:41	
60345-7	Zn	5.32591	5.52404	5.12778	5.26102	ug/L	08/18/10	20:41	
60345-7	2203/1	0.51211	0.80835	0.21587	81.80673	ug/L	08/18/10	20:41	
60345-7	2203/2	0.01929	-0.10955	0.14813	944.44885	ug/L	08/18/10	20:41	
60345-7	1960/1	1.89290	-3.44967	7.23549	399.15093	ug/L	08/18/10	20:41	
60345-7	1960/2	-0.39600	1.97410	-2.76611	846.41101	ug/L	08/18/10	20:41	
60345-7	Y	981.87487	983.45257	980.29718	0.22723		08/18/10	20:41	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60345-7L	Ag	0.15421	0.27101	0.03741	107.10688	ug/L	08/18/10	20:47	
60345-7L	Al	-25.21418	-27.93236	-22.49601	15.24568	ug/L	08/18/10	20:47	
60345-7L	2Al	-0.02521	-0.02793	-0.02249	15.24572	mg/L	08/18/10	20:47	
60345-7L	As	-1.38224	3.69696	-6.46145	519.66882	ug/L	08/18/10	20:47	
60345-7L	B	-4.43194	-5.31459	-3.54929	28.16504	ug/L	08/18/10	20:47	
60345-7L	Ba	2.10937	2.16929	2.04945	4.01707	ug/L	08/18/10	20:47	
60345-7L	Be	0.09451	0.12195	0.06707	41.05373	ug/L	08/18/10	20:47	
60345-7L	Ca	1310.97338	1313.34619	1308.60058	0.25596	ug/L	08/18/10	20:47	
60345-7L	Cd	-0.33999	-0.52602	-0.15396	77.37931	ug/L	08/18/10	20:47	
60345-7L	Co	0.44954	0.60679	0.29228	49.47138	ug/L	08/18/10	20:47	
60345-7L	Cr	-0.28216	0.16144	-0.72576	222.33854	ug/L	08/18/10	20:47	
60345-7L	Cu	0.53410	0.89075	0.17745	94.43472	ug/L	08/18/10	20:47	
60345-7L	Fe	-11.23526	-16.70498	-5.76554	68.84883	ug/L	08/18/10	20:47	
60345-7L	2Fe	-0.01123	-0.01670	-0.00576	68.84855	mg/L	08/18/10	20:47	
60345-7L	K	77.23680	70.77839	83.69519	11.82539	ug/L	08/18/10	20:47	
60345-7L	Mg	176.37487	178.55029	174.19946	1.74429	ug/L	08/18/10	20:47	
60345-7L	2Mg	0.17632	0.17850	0.17415	1.74507	mg/L	08/18/10	20:47	
60345-7L	Mn	0.24770	0.31191	0.18348	36.66184	ug/L	08/18/10	20:47	
60345-7L	Mo	-2.22611	-1.08123	-3.37099	72.73232	ug/L	08/18/10	20:47	
60345-7L	Na	235.06076	234.75979	235.36172	0.18107	ug/L	08/18/10	20:47	
60345-7L	Ni	-0.70251	-0.47615	-0.92887	45.56825	ug/L	08/18/10	20:47	
60345-7L	Pb	0.46511	0.39735	0.53288	20.60475	ug/L	08/18/10	20:47	
60345-7L	Se	-0.50668	-5.12651	4.11314	1289.45312	ug/L	08/18/10	20:47	
60345-7L	Sb	-3.40157	-2.65084	-4.15230	31.21163	ug/L	08/18/10	20:47	
60345-7L	Sn	1.90825	3.70189	0.11460	132.92778	ug/L	08/18/10	20:47	
60345-7L	Sr	3.28652	3.36444	3.20860	3.35316	ug/L	08/18/10	20:47	
60345-7L	Ti	0.09581	0.01733	0.17429	115.82962	ug/L	08/18/10	20:47	
60345-7L	Tl	2.64415	7.67680	-2.38849	269.16870	ug/L	08/18/10	20:47	
60345-7L	V	-0.02018	0.42211	-0.46248	3099.21118	ug/L	08/18/10	20:47	
60345-7L	Zn	8.05171	7.78586	8.31757	4.66954	ug/L	08/18/10	20:47	
60345-7L	2203/1	1.57776	-0.04569	3.20123	145.51741	ug/L	08/18/10	20:47	
60345-7L	2203/2	-0.09037	0.61854	-0.79928	1109.36926	ug/L	08/18/10	20:47	
60345-7L	1960/1	-1.90960	-6.95194	3.13274	373.42602	ug/L	08/18/10	20:47	
60345-7L	1960/2	0.19372	-4.21516	4.60261	3218.50732	ug/L	08/18/10	20:47	
60345-7L	Y	995.78540	997.14184	994.42901	0.19263		08/18/10	20:47	
60345-7A	Ag	41.94570	41.88385	42.00756	0.20853	ug/L	08/18/10	20:52	
60345-7A	Al	1967.62158	1969.56933	1965.67370	0.13999	ug/L	08/18/10	20:52	
60345-7A	2Al	1.96780	1.96974	1.96585	0.13999	mg/L	08/18/10	20:52	
60345-7A	As	1964.55908	1972.05798	1957.06018	0.53981	ug/L	08/18/10	20:52	
60345-7A	B	965.24035	967.98632	962.49438	0.40232	ug/L	08/18/10	20:52	
60345-7A	Ba	2001.43994	2004.71850	1998.16149	0.23165	ug/L	08/18/10	20:52	
60345-7A	Be	48.60433	48.71237	48.49628	0.31436	ug/L	08/18/10	20:52	
60345-7A	Ca	11598.93847	11625.77246	11572.10449	0.32717	ug/L	08/18/10	20:52	
60345-7A	Cd	48.11594	48.18387	48.04801	0.19966	ug/L	08/18/10	20:52	
60345-7A	Co	498.75469	499.23941	498.26998	0.13743	ug/L	08/18/10	20:52	
60345-7A	Cr	197.16925	197.79675	196.54173	0.45008	ug/L	08/18/10	20:52	
60345-7A	Cu	244.47334	244.69946	244.24722	0.13080	ug/L	08/18/10	20:52	
60345-7A	Fe	984.82592	990.05865	979.59313	0.75142	ug/L	08/18/10	20:52	
60345-7A	2Fe	0.98491	0.99014	0.97967	0.75130	mg/L	08/18/10	20:52	
60345-7A	K	5800.81933	5801.83398	5799.80468	0.02473	ug/L	08/18/10	20:52	
60345-7A	Mg	6118.01220	6137.84521	6098.17919	0.45845	ug/L	08/18/10	20:52	
60345-7A	2Mg	6.11634	6.13616	6.09651	0.45844	mg/L	08/18/10	20:52	
60345-7A	Mn	502.86938	504.37927	501.35952	0.42461	ug/L	08/18/10	20:52	
60345-7A	Mo	476.80899	473.70584	479.91213	0.92039	ug/L	08/18/10	20:52	
60345-7A	Na	6220.68652	6242.47314	6198.90039	0.49529	ug/L	08/18/10	20:52	
60345-7A	Ni	492.15216	491.87338	492.43090	0.08010	ug/L	08/18/10	20:52	
60345-7A	Pb	494.98587	497.10412	492.86761	0.60520	ug/L	08/18/10	20:52	
60345-7A	Se	1972.42773	1976.15405	1968.70129	0.26717	ug/L	08/18/10	20:52	
60345-7A	Sb	472.85876	470.89636	474.82116	0.58691	ug/L	08/18/10	20:52	
60345-7A	Sn	1029.45410	1032.90441	1026.00366	0.47399	ug/L	08/18/10	20:52	
60345-7A	Sr	512.76745	513.92413	511.61083	0.31900	ug/L	08/18/10	20:52	
60345-7A	Ti	991.51849	993.65258	989.38439	0.30438	ug/L	08/18/10	20:52	
60345-7A	Tl	2023.81909	2022.01770	2025.62036	0.12587	ug/L	08/18/10	20:52	
60345-7A	V	510.52783	511.53808	509.51757	0.27985	ug/L	08/18/10	20:52	
60345-7A	Zn	511.20410	512.81701	509.59118	0.44620	ug/L	08/18/10	20:52	
60345-7A	2203/1	503.60491	504.48236	502.72747	0.24640	ug/L	08/18/10	20:52	
60345-7A	2203/2	490.68280	493.42053	487.94506	0.78905	ug/L	08/18/10	20:52	
60345-7A	1960/1	2018.58984	2030.04760	2007.13195	0.80272	ug/L	08/18/10	20:52	
60345-7A	1960/2	1949.38073	1949.24719	1949.51428	0.00968	ug/L	08/18/10	20:52	
60345-7A	Y	987.32940	985.30920	989.34960	0.28936		08/18/10	20:52	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60244-1 1/10	Ag	0.56304	0.86021	0.26587	74.64133	ug/L	08/18/10	20:57	
60244-1 1/10	Al	-5.77300	-3.78962	-7.75639	48.58704	ug/L	08/18/10	20:57	
60244-1 1/10	2Al	-0.00577	-0.00378	-0.00775	48.58705	mg/L	08/18/10	20:57	
60244-1 1/10	As	0.73778	-0.43498	1.91055	224.80039	ug/L	08/18/10	20:57	
60244-1 1/10	B	32.44941	33.81869	31.08013	5.96760	ug/L	08/18/10	20:57	
60244-1 1/10	Ba	2.37291	2.27252	2.47330	5.98311	ug/L	08/18/10	20:57	
60244-1 1/10	Be	0.12113	0.12580	0.11647	5.44450	ug/L	08/18/10	20:57	
60244-1 1/10	Ca	6702.00292	6724.37597	6679.62988	0.47210	ug/L	08/18/10	20:57	
60244-1 1/10	Cd	0.06221	0.06229	0.06213	0.18810	ug/L	08/18/10	20:57	
60244-1 1/10	Co	0.70393	0.56543	0.84243	27.82561	ug/L	08/18/10	20:57	
60244-1 1/10	Cr	0.90626	0.56759	1.24494	52.84971	ug/L	08/18/10	20:57	
60244-1 1/10	Cu	9.34030	8.71958	9.96102	9.39834	ug/L	08/18/10	20:57	
60244-1 1/10	Fe	200.77612	198.60520	202.94705	1.52913	ug/L	08/18/10	20:57	
60244-1 1/10	2Fe	0.20075	0.19858	0.20292	1.52915	mg/L	08/18/10	20:57	
60244-1 1/10	K	38495.70703	38640.73828	38350.67578	0.53280	ug/L	08/18/10	20:57	
60244-1 1/10	Mg	2257.05908	2264.12646	2249.99169	0.44282	ug/L	08/18/10	20:57	
60244-1 1/10	2Mg	2.25643	2.26349	2.24936	0.44286	mg/L	08/18/10	20:57	
60244-1 1/10	Mn	99.07403	99.58026	98.56780	0.72260	ug/L	08/18/10	20:57	
60244-1 1/10	Mo	-0.53609	-0.80498	-0.26720	70.93315	ug/L	08/18/10	20:57	
60244-1 1/10	Na	52476.64062	52655.14843	52298.12890	0.48107	ug/L	08/18/10	20:57	
60244-1 1/10	Ni	0.31420	-0.50350	1.13191	368.04458	ug/L	08/18/10	20:57	
60244-1 1/10	Pb	-0.22863	-0.74213	0.28485	317.61611	ug/L	08/18/10	20:57	
60244-1 1/10	Se	-0.65790	-3.03156	1.71575	510.23849	ug/L	08/18/10	20:57	
60244-1 1/10	Sb	0.54077	-0.55528	1.63683	286.63726	ug/L	08/18/10	20:57	
60244-1 1/10	Sn	4.14493	5.41114	2.87872	43.20198	ug/L	08/18/10	20:57	
60244-1 1/10	Sr	20.15773	20.26449	20.05097	0.74898	ug/L	08/18/10	20:57	
60244-1 1/10	Ti	0.80455	0.83197	0.77714	4.81880	ug/L	08/18/10	20:57	
60244-1 1/10	Tl	0.01426	0.54789	-0.51937	5291.95507	ug/L	08/18/10	20:57	
60244-1 1/10	V	0.33936	0.54464	0.13408	85.54344	ug/L	08/18/10	20:57	
60244-1 1/10	Zn	16.36542	16.64126	16.08957	2.38371	ug/L	08/18/10	20:57	
60244-1 1/10	2203/1	-0.29332	-0.48931	-0.09733	94.49332	ug/L	08/18/10	20:57	
60244-1 1/10	2203/2	-0.19634	-0.86835	0.47566	484.03121	ug/L	08/18/10	20:57	
60244-1 1/10	1960/1	-1.20465	-0.79281	-1.61650	48.34876	ug/L	08/18/10	20:57	
60244-1 1/10	1960/2	-0.38493	-4.14925	3.37939	1382.98364	ug/L	08/18/10	20:57	
60244-1 1/10	Y	974.63586	973.71710	975.55456	0.13330		08/18/10	20:57	
60349-1 1/10	Ag	0.47400	0.50333	0.44467	8.75191	ug/L	08/18/10	21:02	
60349-1 1/10	Al	-21.02973	-22.29533	-19.76414	8.51091	ug/L	08/18/10	21:02	
60349-1 1/10	2Al	-0.02103	-0.02229	-0.01976	8.51091	mg/L	08/18/10	21:02	
60349-1 1/10	As	1.22112	1.62211	0.82013	46.43928	ug/L	08/18/10	21:02	
60349-1 1/10	B	-0.78505	0.41647	-1.98658	216.44491	ug/L	08/18/10	21:02	
60349-1 1/10	Ba	0.06986	0.03822	0.10149	64.04568	ug/L	08/18/10	21:02	
60349-1 1/10	Be	0.08725	0.09189	0.08260	7.52878	ug/L	08/18/10	21:02	
60349-1 1/10	Ca	26.01572	25.65805	26.37339	1.94428	ug/L	08/18/10	21:02	
60349-1 1/10	Cd	-0.23654	-0.45471	-0.01837	130.43382	ug/L	08/18/10	21:02	
60349-1 1/10	Co	0.07872	-0.25274	0.41019	595.46716	ug/L	08/18/10	21:02	
60349-1 1/10	Cr	-0.17014	-0.11416	-0.22613	46.53565	ug/L	08/18/10	21:02	
60349-1 1/10	Cu	0.55990	0.31283	0.80696	62.40431	ug/L	08/18/10	21:02	
60349-1 1/10	Fe	-7.24114	-19.80671	5.32442	245.40863	ug/L	08/18/10	21:02	
60349-1 1/10	2Fe	-0.00724	-0.01980	0.00532	245.41120	mg/L	08/18/10	21:02	
60349-1 1/10	K	-0.72915	-8.08828	6.62997	1427.32226	ug/L	08/18/10	21:02	
60349-1 1/10	Mg	-0.00029	-0.00281	0.00222	1206.78137	ug/L	08/18/10	21:02	
60349-1 1/10	2Mg	0.00000	0.00000	0.00000	44.26727	mg/L	08/18/10	21:02	
60349-1 1/10	Mn	0.12972	0.08912	0.17033	44.26727	ug/L	08/18/10	21:02	
60349-1 1/10	Mo	-1.87772	-1.87818	-1.87725	0.03503	ug/L	08/18/10	21:02	
60349-1 1/10	Na	47.17342	0.94786	93.39897	138.57972	ug/L	08/18/10	21:02	
60349-1 1/10	Ni	-0.43570	-0.66153	-0.20988	73.29803	ug/L	08/18/10	21:02	
60349-1 1/10	Pb	2.70790	2.27908	3.13672	22.39512	ug/L	08/18/10	21:02	
60349-1 1/10	Se	-1.85347	-1.63711	-2.06983	16.50838	ug/L	08/18/10	21:02	
60349-1 1/10	Sb	-2.94777	-1.62367	-4.27188	63.52467	ug/L	08/18/10	21:02	
60349-1 1/10	Sn	1.06567	1.06587	1.06547	0.02628	ug/L	08/18/10	21:02	
60349-1 1/10	Sr	0.19048	0.18373	0.19723	5.00973	ug/L	08/18/10	21:02	
60349-1 1/10	Ti	0.00331	0.02955	-0.02291	1118.25048	ug/L	08/18/10	21:02	
60349-1 1/10	Tl	1.10917	1.88018	0.33816	98.30486	ug/L	08/18/10	21:02	
60349-1 1/10	V	-0.17442	-0.27656	-0.07227	82.81793	ug/L	08/18/10	21:02	
60349-1 1/10	Zn	4745.27929	4763.47998	4727.07812	0.54243	ug/L	08/18/10	21:02	
60349-1 1/10	2203/1	0.34363	1.37728	-0.69002	425.39852	ug/L	08/18/10	21:02	
60349-1 1/10	2203/2	3.88827	2.72931	5.04722	42.15276	ug/L	08/18/10	21:02	
60349-1 1/10	1960/1	-6.71902	-6.50920	-6.92885	4.41630	ug/L	08/18/10	21:02	
60349-1 1/10	1960/2	0.57565	0.79527	0.35603	53.95512	ug/L	08/18/10	21:02	
60349-1 1/10	Y	986.31457	985.45355	987.17553	0.12345		08/18/10	21:02	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	495.82507	496.09591	495.55419	0.07725	ug/L	08/18/10	21:09	
CCV	Al	4985.50000	4981.12597	4989.87353	0.12406	ug/L	08/18/10	21:09	
CCV	2Al	4.98580	4.98130	4.99029	0.12747	mg/L	08/18/10	21:09	
CCV	As	496.00866	492.89071	499.12661	0.88898	ug/L	08/18/10	21:09	
CCV	B	4907.24755	4897.53515	4916.95996	0.27990	ug/L	08/18/10	21:09	
CCV	Ba	4983.81738	4982.36083	4985.27441	0.04133	ug/L	08/18/10	21:09	
CCV	Be	491.94976	491.55303	492.34649	0.11404	ug/L	08/18/10	21:09	
CCV	Ca	5139.50390	5135.58007	5143.42773	0.10797	ug/L	08/18/10	21:09	
CCV	Cd	485.77169	487.36907	484.17431	0.46504	ug/L	08/18/10	21:09	
CCV	Co	497.28836	497.22305	497.35366	0.01857	ug/L	08/18/10	21:09	
CCV	Cr	4944.17871	4935.79589	4952.56152	0.23977	ug/L	08/18/10	21:09	
CCV	Cu	4971.68457	4967.60888	4975.76025	0.11593	ug/L	08/18/10	21:09	
CCV	Fe	4950.63769	4945.00390	4956.27148	0.16093	ug/L	08/18/10	21:09	
CCV	2Fe	4.95066	4.94502	4.95629	0.16092	mg/L	08/18/10	21:09	
CCV	K	10229.42968	10228.33203	10230.52636	0.01516	ug/L	08/18/10	21:09	
CCV	Mg	5141.57031	5140.65039	5142.49023	0.02530	ug/L	08/18/10	21:09	
CCV	2Mg	5.14154	5.14062	5.14246	0.02532	mg/L	08/18/10	21:09	
CCV	Mn	5013.17285	5008.18945	5018.15673	0.14058	ug/L	08/18/10	21:09	
CCV	Mo	491.82690	491.47219	492.18164	0.10199	ug/L	08/18/10	21:09	
CCV	Na	7378.39794	7349.06591	7407.72998	0.56220	ug/L	08/18/10	21:09	
CCV	Ni	2478.95385	2476.66821	2481.23950	0.13039	ug/L	08/18/10	21:09	
CCV	Pb	499.08123	499.66412	498.49838	0.16516	ug/L	08/18/10	21:09	
CCV	Se	4917.36621	4923.39306	4911.33935	0.17332	ug/L	08/18/10	21:09	
CCV	Sb	489.47277	489.22973	489.71582	0.07022	ug/L	08/18/10	21:09	
CCV	Sn	5101.13818	5097.05712	5105.21923	0.11314	ug/L	08/18/10	21:09	
CCV	Sr	2447.29223	2446.28027	2448.30419	0.05847	ug/L	08/18/10	21:09	
CCV	Ti	494.76263	493.97927	495.54595	0.22390	ug/L	08/18/10	21:09	
CCV	Tl	4938.89648	4941.10498	4936.68798	0.06323	ug/L	08/18/10	21:09	
CCV	V	5169.31835	5168.11621	5170.52099	0.03289	ug/L	08/18/10	21:09	
CCV	Zn	2510.74755	2510.56347	2510.93139	0.01036	ug/L	08/18/10	21:09	
CCV	2203/1	511.62930	511.81729	511.44131	0.05196	ug/L	08/18/10	21:09	
CCV	2203/2	492.81188	493.59188	492.03189	0.22383	ug/L	08/18/10	21:09	
CCV	1960/1	5046.08154	5056.90820	5035.25488	0.30342	ug/L	08/18/10	21:09	
CCV	1960/2	4853.10546	4856.73583	4849.47460	0.10579	ug/L	08/18/10	21:09	
CCV	Y	975.03991	975.20825	974.87152	0.02442		08/18/10	21:09	
CCB	Ag	0.94764	0.56222	1.33305	57.51691	ug/L	08/18/10	21:14	
CCB	Al	-27.00823	-27.18081	-26.83566	0.90364	ug/L	08/18/10	21:14	
CCB	2Al	-0.02701	-0.02718	-0.02683	0.90361	mg/L	08/18/10	21:14	
CCB	As	3.30934	1.09742	5.52127	94.52409	ug/L	08/18/10	21:14	
CCB	B	15.54509	16.81174	14.27844	11.52332	ug/L	08/18/10	21:14	
CCB	Ba	1.19502	0.38149	2.00854	96.27418	ug/L	08/18/10	21:14	
CCB	Be	0.21654	0.13307	0.30001	54.51016	ug/L	08/18/10	21:14	
CCB	Ca	8.45191	6.96067	9.94315	24.95212	ug/L	08/18/10	21:14	
CCB	Cd	-0.02884	0.02264	-0.08033	252.44868	ug/L	08/18/10	21:14	
CCB	Co	0.62459	0.64606	0.60313	4.85993	ug/L	08/18/10	21:14	
CCB	Cr	0.84646	0.05455	1.63838	132.30642	ug/L	08/18/10	21:14	
CCB	Cu	2.02022	1.08683	2.95361	65.34007	ug/L	08/18/10	21:14	
CCB	Fe	-8.74128	-16.71039	-0.77217	128.92872	ug/L	08/18/10	21:14	
CCB	2Fe	-0.00873	-0.01670	-0.00077	128.93583	mg/L	08/18/10	21:14	
CCB	K	6.12914	-1.16748	13.42577	168.35937	ug/L	08/18/10	21:14	
CCB	Mg	0.00684	-0.00078	0.01446	157.59043	ug/L	08/18/10	21:14	
CCB	2Mg	0.00000	0.00000	0.00001	105.01486	mg/L	08/18/10	21:14	
CCB	Mn	1.11057	0.28589	1.93524	105.01486	ug/L	08/18/10	21:14	
CCB	Mo	-1.25799	-0.45401	-2.06197	90.38169	ug/L	08/18/10	21:14	
CCB	Na	92.16854	55.34402	128.99307	56.50272	ug/L	08/18/10	21:14	
CCB	Ni	0.21919	-0.71882	1.15721	605.20550	ug/L	08/18/10	21:14	
CCB	Pb	0.56273	0.45203	0.67343	27.82007	ug/L	08/18/10	21:14	
CCB	Se	0.06392	-0.04449	0.17234	239.86592	ug/L	08/18/10	21:14	
CCB	Sb	-1.54564	-0.30787	-2.78341	113.25149	ug/L	08/18/10	21:14	
CCB	Sn	6.94146	4.20228	9.68065	55.80655	ug/L	08/18/10	21:14	
CCB	Sr	0.56644	0.14938	0.98349	104.12495	ug/L	08/18/10	21:14	
CCB	Ti	0.34814	0.34813	0.34815	0.00484	ug/L	08/18/10	21:14	
CCB	Tl	3.89647	1.71393	6.07900	79.21453	ug/L	08/18/10	21:14	
CCB	V	1.54967	0.27161	2.82774	116.63455	ug/L	08/18/10	21:14	
CCB	Zn	0.72624	0.35899	1.09349	71.51448	ug/L	08/18/10	21:14	
CCB	2203/1	-1.38152	-3.60906	0.84601	228.02536	ug/L	08/18/10	21:14	
CCB	2203/2	1.53340	2.47953	0.58726	87.25933	ug/L	08/18/10	21:14	
CCB	1960/1	-1.15908	-3.64414	1.32596	303.20413	ug/L	08/18/10	21:14	
CCB	1960/2	0.67451	1.75262	-0.40359	226.04075	ug/L	08/18/10	21:14	
CCB	Y	980.34051	983.45257	977.22845	0.44893		08/18/10	21:14	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60237-3 1/10	Ag	0.35705	0.56234	0.15176	81.31005	ug/L	08/18/10	21:19	
60237-3 1/10	Al	-30.17868	-27.80499	-32.55237	11.12342	ug/L	08/18/10	21:19	
60237-3 1/10	2Al	-0.03018	-0.02780	-0.03255	11.12338	mg/L	08/18/10	21:19	
60237-3 1/10	As	0.08270	1.28333	-1.11791	2052.91845	ug/L	08/18/10	21:19	
60237-3 1/10	B	9.00308	10.35226	7.65390	21.19308	ug/L	08/18/10	21:19	
60237-3 1/10	Ba	4.43653	4.55978	4.31329	3.92858	ug/L	08/18/10	21:19	
60237-3 1/10	Be	0.15537	0.15294	0.15780	2.21424	ug/L	08/18/10	21:19	
60237-3 1/10	Ca	5285.84375	5291.54638	5280.14062	0.15257	ug/L	08/18/10	21:19	
60237-3 1/10	Cd	0.05164	0.20099	-0.09770	408.96514	ug/L	08/18/10	21:19	
60237-3 1/10	Co	0.31272	0.56524	0.06019	114.19770	ug/L	08/18/10	21:19	
60237-3 1/10	Cr	0.33476	0.44889	0.22064	48.21185	ug/L	08/18/10	21:19	
60237-3 1/10	Cu	0.87232	1.10906	0.63559	38.37975	ug/L	08/18/10	21:19	
60237-3 1/10	Fe	2.22534	-2.45236	6.90305	297.26983	ug/L	08/18/10	21:19	
60237-3 1/10	2Fe	0.00222	-0.00245	0.00690	297.23953	mg/L	08/18/10	21:19	
60237-3 1/10	K	763.38598	774.88256	751.88946	2.12979	ug/L	08/18/10	21:19	
60237-3 1/10	Mg	3617.57714	3617.92456	3617.22973	0.01358	ug/L	08/18/10	21:19	
60237-3 1/10	2Mg	3.61655	3.61690	3.61620	0.01361	mg/L	08/18/10	21:19	
60237-3 1/10	Mn	1.73381	1.88729	1.58034	12.51838	ug/L	08/18/10	21:19	
60237-3 1/10	Mo	-1.96677	-1.79105	-2.14250	12.63530	ug/L	08/18/10	21:19	
60237-3 1/10	Na	19887.95312	19975.16015	19800.74414	0.62012	ug/L	08/18/10	21:19	
60237-3 1/10	Ni	-0.57097	-0.43244	-0.70950	34.31113	ug/L	08/18/10	21:19	
60237-3 1/10	Pb	-0.67634	-0.67487	-0.67781	0.30698	ug/L	08/18/10	21:19	
60237-3 1/10	Se	1.43690	3.76258	-0.88877	228.89514	ug/L	08/18/10	21:19	
60237-3 1/10	Sb	-3.92979	-1.68503	-6.17454	80.78208	ug/L	08/18/10	21:19	
60237-3 1/10	Sn	1.30631	1.68659	0.92603	41.16858	ug/L	08/18/10	21:19	
60237-3 1/10	Sr	1320.10449	1320.82666	1319.38232	0.07736	ug/L	08/18/10	21:19	
60237-3 1/10	Ti	0.05841	0.12374	-0.00690	158.14738	ug/L	08/18/10	21:19	
60237-3 1/10	Tl	-2.44883	0.39458	-5.29225	164.20909	ug/L	08/18/10	21:19	
60237-3 1/10	V	0.75630	1.03165	0.48095	51.48726	ug/L	08/18/10	21:19	
60237-3 1/10	Zn	0.77081	0.77491	0.76670	0.75259	ug/L	08/18/10	21:19	
60237-3 1/10	2203/1	-1.14192	-2.11318	-0.17066	120.28522	ug/L	08/18/10	21:19	
60237-3 1/10	2203/2	-0.44390	0.04319	-0.93100	155.18330	ug/L	08/18/10	21:19	
60237-3 1/10	1960/1	3.81430	6.01171	1.61689	81.47251	ug/L	08/18/10	21:19	
60237-3 1/10	1960/2	0.24998	2.63970	-2.13972	1351.88842	ug/L	08/18/10	21:19	
60237-3 1/10	Y	984.97729	981.55743	988.39721	0.49102		08/18/10	21:19	
PBW 177430	Ag	0.38570	0.56240	0.20900	64.78874	ug/L	08/18/10	21:26	
PBW 177430	Al	-27.43907	-28.10581	-26.77232	3.43640	ug/L	08/18/10	21:26	
PBW 177430	2Al	-0.02744	-0.02810	-0.02677	3.43637	mg/L	08/18/10	21:26	
PBW 177430	As	3.31025	2.30622	4.31427	42.89424	ug/L	08/18/10	21:26	
PBW 177430	B	1.52954	1.40889	1.65020	11.15580	ug/L	08/18/10	21:26	
PBW 177430	Ba	0.10836	0.14033	0.07638	41.73126	ug/L	08/18/10	21:26	
PBW 177430	Be	0.11075	0.12025	0.10125	12.13615	ug/L	08/18/10	21:26	
PBW 177430	Ca	41.37553	41.53340	41.21765	0.53962	ug/L	08/18/10	21:26	
PBW 177430	Cd	-0.25908	-0.34067	-0.17748	44.53973	ug/L	08/18/10	21:26	
PBW 177430	Co	0.11658	0.05874	0.17442	70.16199	ug/L	08/18/10	21:26	
PBW 177430	Cr	-0.02962	-0.16982	0.11056	669.19610	ug/L	08/18/10	21:26	
PBW 177430	Cu	0.78422	0.92121	0.64723	24.70414	ug/L	08/18/10	21:26	
PBW 177430	Fe	1.52567	11.83415	-8.78279	955.53491	ug/L	08/18/10	21:26	
PBW 177430	2Fe	0.00152	0.01183	-0.00878	955.49554	mg/L	08/18/10	21:26	
PBW 177430	K	0.07558	8.11956	-7.96839	15050.50683	ug/L	08/18/10	21:26	
PBW 177430	Mg	-4.89856	-4.90464	-4.89249	0.17538	ug/L	08/18/10	21:26	
PBW 177430	2Mg	-0.00489	-0.00490	-0.00488	0.22749	mg/L	08/18/10	21:26	
PBW 177430	Mn	0.02429	0.04084	0.00773	96.37447	ug/L	08/18/10	21:26	
PBW 177430	Mo	-1.61120	-0.89812	-2.32429	62.59016	ug/L	08/18/10	21:26	
PBW 177430	Na	91.61961	109.98925	73.24996	28.35484	ug/L	08/18/10	21:26	
PBW 177430	Ni	-0.69789	-1.04459	-0.35120	70.25402	ug/L	08/18/10	21:26	
PBW 177430	Pb	0.37322	-0.16999	0.91643	205.83683	ug/L	08/18/10	21:26	
PBW 177430	Se	2.86142	0.05289	5.66995	138.80708	ug/L	08/18/10	21:26	
PBW 177430	Sb	-3.48020	0.65400	-7.61442	167.99758	ug/L	08/18/10	21:26	
PBW 177430	Sn	1.44459	3.99708	-1.10789	249.88131	ug/L	08/18/10	21:26	
PBW 177430	Sr	0.16703	0.17779	0.15627	9.11019	ug/L	08/18/10	21:26	
PBW 177430	Ti	-0.15795	-0.18543	-0.13048	24.59934	ug/L	08/18/10	21:26	
PBW 177430	Tl	-2.81179	-1.91979	-3.70380	44.86406	ug/L	08/18/10	21:26	
PBW 177430	V	0.20295	0.06604	0.33986	95.39807	ug/L	08/18/10	21:26	
PBW 177430	Zn	1.91107	1.91459	1.90755	0.26055	ug/L	08/18/10	21:26	
PBW 177430	2203/1	-0.22515	-2.29682	1.84650	1301.20239	ug/L	08/18/10	21:26	
PBW 177430	2203/2	0.67196	0.89182	0.45210	46.27148	ug/L	08/18/10	21:26	
PBW 177430	1960/1	2.20758	1.09877	3.31640	71.03235	ug/L	08/18/10	21:26	
PBW 177430	1960/2	3.18784	-0.46925	6.84495	162.23892	ug/L	08/18/10	21:26	
PBW 177430	Y	982.22119	980.61468	983.82775	0.23131		08/18/10	21:26	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	50.64425	50.48508	50.80343	0.44449	ug/L	08/18/10	21:31	
LCSW-1	Al	1988.49389	1988.92175	1988.06591	0.03043	ug/L	08/18/10	21:31	
LCSW-1	2Al	1.98855	1.98886	1.98824	0.02200	mg/L	08/18/10	21:31	
LCSW-1	As	1981.12817	1987.57348	1974.68286	0.46009	ug/L	08/18/10	21:31	
LCSW-1	B	986.43218	986.46453	986.39984	0.00463	ug/L	08/18/10	21:31	
LCSW-1	Ba	2012.65551	2015.69653	2009.61450	0.21368	ug/L	08/18/10	21:31	
LCSW-1	Be	49.30107	49.40535	49.19678	0.29914	ug/L	08/18/10	21:31	
LCSW-1	Ca	5089.99414	5100.26171	5079.72607	0.28528	ug/L	08/18/10	21:31	
LCSW-1	Cd	49.26775	49.14184	49.39365	0.36140	ug/L	08/18/10	21:31	
LCSW-1	Co	504.30334	504.52886	504.07778	0.06324	ug/L	08/18/10	21:31	
LCSW-1	Cr	200.18559	200.93261	199.43856	0.52773	ug/L	08/18/10	21:31	
LCSW-1	Cu	248.28836	248.42010	248.15661	0.07503	ug/L	08/18/10	21:31	
LCSW-1	Fe	996.42456	1008.19989	984.64916	1.67126	ug/L	08/18/10	21:31	
LCSW-1	2Fe	0.99651	1.00828	0.98473	1.67094	mg/L	08/18/10	21:31	
LCSW-1	K	4993.51562	5002.24121	4984.78955	0.24712	ug/L	08/18/10	21:31	
LCSW-1	Mg	5121.44335	5131.55517	5111.33154	0.27922	ug/L	08/18/10	21:31	
LCSW-1	2Mg	5.12005	5.13016	5.10994	0.27919	mg/L	08/18/10	21:31	
LCSW-1	Mn	507.76391	508.92364	506.60418	0.32300	ug/L	08/18/10	21:31	
LCSW-1	Mo	485.08843	484.22244	485.95443	0.25247	ug/L	08/18/10	21:31	
LCSW-1	Na	4811.34472	4855.22070	4767.46923	1.28965	ug/L	08/18/10	21:31	
LCSW-1	Ni	498.56402	499.66235	497.46572	0.31154	ug/L	08/18/10	21:31	
LCSW-1	Pb	501.94775	504.54092	499.35461	0.73060	ug/L	08/18/10	21:31	
LCSW-1	Se	1990.34448	1994.51074	1986.17834	0.29602	ug/L	08/18/10	21:31	
LCSW-1	Sb	489.82177	487.38937	492.25415	0.70227	ug/L	08/18/10	21:31	
LCSW-1	Sn	1012.72680	1011.59857	1013.85510	0.15755	ug/L	08/18/10	21:31	
LCSW-1	Sr	489.19018	489.73989	488.64050	0.15891	ug/L	08/18/10	21:31	
LCSW-1	Ti	689.93933	691.58148	688.29718	0.33660	ug/L	08/18/10	21:31	
LCSW-1	Tl	2034.21801	2038.56701	2029.86901	0.30234	ug/L	08/18/10	21:31	
LCSW-1	V	515.97229	517.32531	514.61932	0.37083	ug/L	08/18/10	21:31	
LCSW-1	Zn	511.76879	512.22857	511.30899	0.12705	ug/L	08/18/10	21:31	
LCSW-1	2203/1	514.74438	517.42016	512.06860	0.73514	ug/L	08/18/10	21:31	
LCSW-1	2203/2	495.55905	498.11096	493.00714	0.72825	ug/L	08/18/10	21:31	
LCSW-1	1960/1	2051.04760	2059.52075	2042.57434	0.58423	ug/L	08/18/10	21:31	
LCSW-1	1960/2	1960.03796	1962.05395	1958.02197	0.14545	ug/L	08/18/10	21:31	
LCSW-1	Y	988.72436	987.24285	990.20581	0.21190		08/18/10	21:31	
60160-2	Ag	0.92064	0.62199	1.21929	45.87600	ug/L	08/18/10	21:36	
60160-2	Al	352.65280	347.96472	357.34088	1.88002	ug/L	08/18/10	21:36	
60160-2	2Al	0.35268	0.34799	0.35737	1.88001	mg/L	08/18/10	21:36	
60160-2	As	-1.92661	-0.18277	-3.67046	128.00506	ug/L	08/18/10	21:36	
60160-2	B	0.10455	1.02460	-0.81549	1244.45971	ug/L	08/18/10	21:36	
60160-2	Ba	140.74713	140.53628	140.95797	0.21185	ug/L	08/18/10	21:36	
60160-2	Be	0.12016	0.12763	0.11269	8.78677	ug/L	08/18/10	21:36	
60160-2	Ca	45482.98437	45383.95312	45582.01562	0.30792	ug/L	08/18/10	21:36	
60160-2	Cd	-0.17229	-0.07966	-0.26492	76.03167	ug/L	08/18/10	21:36	
60160-2	Co	0.72140	1.07573	0.36707	69.46084	ug/L	08/18/10	21:36	
60160-2	Cr	0.76729	0.45259	1.08199	58.00298	ug/L	08/18/10	21:36	
60160-2	Cu	1.20450	1.13193	1.27708	8.52135	ug/L	08/18/10	21:36	
60160-2	Fe	7.25754	-2.41075	16.92584	188.39772	ug/L	08/18/10	21:36	
60160-2	2Fe	0.00725	-0.00241	0.01692	188.38665	mg/L	08/18/10	21:36	
60160-2	K	10870.43554	10865.08496	10875.78710	0.06961	ug/L	08/18/10	21:36	
60160-2	Mg	3252.59448	3243.41577	3261.77319	0.39908	ug/L	08/18/10	21:36	
60160-2	2Mg	3.25167	3.24250	3.26085	0.39900	mg/L	08/18/10	21:36	
60160-2	Mn	2.28652	2.24673	2.32631	2.46107	ug/L	08/18/10	21:36	
60160-2	Mo	-1.16456	-1.25506	-1.07406	10.99024	ug/L	08/18/10	21:36	
60160-2	Na	8787.51757	8762.91210	8812.12402	0.39599	ug/L	08/18/10	21:36	
60160-2	Ni	-0.24969	-0.79273	0.29333	307.55746	ug/L	08/18/10	21:36	
60160-2	Pb	0.45066	1.76767	-0.86634	413.28781	ug/L	08/18/10	21:36	
60160-2	Se	-0.64669	-2.97077	1.67738	508.23855	ug/L	08/18/10	21:36	
60160-2	Sb	-3.10305	-3.10526	-3.10085	0.10049	ug/L	08/18/10	21:36	
60160-2	Sn	2.02448	5.19824	-1.14927	221.70413	ug/L	08/18/10	21:36	
60160-2	Sr	2027.07971	2026.19165	2027.96777	0.06195	ug/L	08/18/10	21:36	
60160-2	Ti	0.81911	0.95246	0.68577	23.02241	ug/L	08/18/10	21:36	
60160-2	Tl	7.48992	8.64512	6.33471	21.81212	ug/L	08/18/10	21:36	
60160-2	V	1.27376	1.06041	1.48710	23.68719	ug/L	08/18/10	21:36	
60160-2	Zn	4.75046	4.63123	4.86968	3.54937	ug/L	08/18/10	21:36	
60160-2	2203/1	0.25482	1.02565	-0.51600	427.78936	ug/L	08/18/10	21:36	
60160-2	2203/2	0.54843	2.13812	-1.04125	409.92385	ug/L	08/18/10	21:36	
60160-2	1960/1	-0.44662	-6.47014	5.57689	1907.32067	ug/L	08/18/10	21:36	
60160-2	1960/2	-0.74657	-1.22371	-0.26944	90.38199	ug/L	08/18/10	21:36	
60160-2	Y	973.46215	976.20867	970.71569	0.39900		08/18/10	21:36	

0081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60160-2L	Ag	0.50455	0.32515	0.68394	50.28332	ug/L	08/18/10	21:41	
60160-2L	Al	113.02183	110.04959	115.99407	3.71908	ug/L	08/18/10	21:41	
60160-2L	2Al	0.11303	0.11005	0.11600	3.71909	mg/L	08/18/10	21:41	
60160-2L	As	1.98287	7.30467	-3.33892	379.55853	ug/L	08/18/10	21:41	
60160-2L	B	-1.31516	-1.55344	-1.07688	25.62275	ug/L	08/18/10	21:41	
60160-2L	Ba	27.35026	27.46249	27.23802	0.58034	ug/L	08/18/10	21:41	
60160-2L	Be	0.09492	0.08372	0.10611	16.67775	ug/L	08/18/10	21:41	
60160-2L	Ca	8815.60742	8846.23144	8784.98437	0.49126	ug/L	08/18/10	21:41	
60160-2L	Cd	0.03952	0.06053	0.01852	75.15090	ug/L	08/18/10	21:41	
60160-2L	Co	0.86200	1.19410	0.52989	54.48616	ug/L	08/18/10	21:41	
60160-2L	Cr	0.08830	-0.05626	0.23288	231.52101	ug/L	08/18/10	21:41	
60160-2L	Cu	1.60261	1.90405	1.30117	26.60015	ug/L	08/18/10	21:41	
60160-2L	Fe	-7.93657	-4.01019	-11.86295	69.96389	ug/L	08/18/10	21:41	
60160-2L	2Fe	-0.00793	-0.00400	-0.01186	69.96849	mg/L	08/18/10	21:41	
60160-2L	K	2069.48632	2066.19750	2072.77539	0.22475	ug/L	08/18/10	21:41	
60160-2L	Mg	628.45458	631.66278	625.24633	0.72194	ug/L	08/18/10	21:41	
60160-2L	2Mg	0.62827	0.63148	0.62507	0.72179	mg/L	08/18/10	21:41	
60160-2L	Mn	0.89429	0.87929	0.90929	2.37150	ug/L	08/18/10	21:41	
60160-2L	Mo	-0.56525	-2.15338	1.02286	397.33117	ug/L	08/18/10	21:41	
60160-2L	Na	1744.49340	1658.67578	1830.31115	6.95700	ug/L	08/18/10	21:41	
60160-2L	Ni	0.07499	-0.02171	0.17170	182.37306	ug/L	08/18/10	21:41	
60160-2L	Pb	0.92072	0.07077	1.77067	130.55096	ug/L	08/18/10	21:41	
60160-2L	Se	3.26452	2.60501	3.92403	28.57056	ug/L	08/18/10	21:41	
60160-2L	Sb	-3.59371	-5.10319	-2.08423	59.40172	ug/L	08/18/10	21:41	
60160-2L	Sn	2.34150	2.23796	2.44504	6.25370	ug/L	08/18/10	21:41	
60160-2L	Sr	400.70361	403.02224	398.38500	0.81831	ug/L	08/18/10	21:41	
60160-2L	Ti	0.14889	0.06988	0.22790	75.04232	ug/L	08/18/10	21:41	
60160-2L	Tl	4.85855	0.36123	9.35587	130.90650	ug/L	08/18/10	21:41	
60160-2L	V	0.14066	0.20779	0.07353	67.49140	ug/L	08/18/10	21:41	
60160-2L	Zn	0.89178	1.30261	0.48095	65.14984	ug/L	08/18/10	21:41	
60160-2L	2203/1	3.61112	2.75666	4.46559	33.46310	ug/L	08/18/10	21:41	
60160-2L	2203/2	-0.42245	-1.27016	0.42524	283.77465	ug/L	08/18/10	21:41	
60160-2L	1960/1	2.97458	4.16671	1.78246	56.67751	ug/L	08/18/10	21:41	
60160-2L	1960/2	3.40927	1.82532	4.99322	65.70422	ug/L	08/18/10	21:41	
60160-2L	Y	968.55114	975.09277	962.00958	0.95515		08/18/10	21:41	
60160-2A	Ag	42.98811	42.48607	43.49015	1.65160	ug/L	08/18/10	21:46	
60160-2A	Al	2367.28027	2370.09375	2364.46679	0.16807	ug/L	08/18/10	21:46	
60160-2A	2Al	2.36749	2.37031	2.36468	0.16807	mg/L	08/18/10	21:46	
60160-2A	As	1985.27075	1977.77929	1992.76232	0.53366	ug/L	08/18/10	21:46	
60160-2A	B	973.87915	974.56921	973.18902	0.10021	ug/L	08/18/10	21:46	
60160-2A	Ba	2140.16406	2138.83007	2141.49780	0.08814	ug/L	08/18/10	21:46	
60160-2A	Be	49.67584	49.66424	49.68745	0.03303	ug/L	08/18/10	21:46	
60160-2A	Ca	50198.96484	50164.92968	50233.00000	0.09588	ug/L	08/18/10	21:46	
60160-2A	Cd	48.79372	48.93146	48.65598	0.39922	ug/L	08/18/10	21:46	
60160-2A	Co	501.53594	501.43112	501.64077	0.02955	ug/L	08/18/10	21:46	
60160-2A	Cr	198.73516	198.59074	198.87957	0.10276	ug/L	08/18/10	21:46	
60160-2A	Cu	250.98078	251.13410	250.82746	0.08639	ug/L	08/18/10	21:46	
60160-2A	Fe	1025.69140	1039.11547	1012.26745	1.85088	ug/L	08/18/10	21:46	
60160-2A	2Fe	1.02577	1.03919	1.01235	1.85051	mg/L	08/18/10	21:46	
60160-2A	K	16138.68164	16143.11035	16134.25292	0.03880	ug/L	08/18/10	21:46	
60160-2A	Mg	8442.80078	8430.38964	8455.21289	0.20790	ug/L	08/18/10	21:46	
60160-2A	2Mg	8.44047	8.42806	8.45288	0.20794	mg/L	08/18/10	21:46	
60160-2A	Mn	508.63696	508.52874	508.74514	0.03008	ug/L	08/18/10	21:46	
60160-2A	Mo	478.60266	479.03921	478.16610	0.12899	ug/L	08/18/10	21:46	
60160-2A	Na	13665.96679	13756.66210	13575.27148	0.93855	ug/L	08/18/10	21:46	
60160-2A	Ni	495.08026	496.15878	494.00170	0.30808	ug/L	08/18/10	21:46	
60160-2A	Pb	495.64916	496.60867	494.68966	0.27377	ug/L	08/18/10	21:46	
60160-2A	Se	1978.41479	1977.85925	1978.97033	0.03971	ug/L	08/18/10	21:46	
60160-2A	Sb	483.62487	483.89428	483.35543	0.07878	ug/L	08/18/10	21:46	
60160-2A	Sn	1030.85522	1034.29248	1027.41784	0.47155	ug/L	08/18/10	21:46	
60160-2A	Sr	2487.89013	2487.91088	2487.86914	0.00118	ug/L	08/18/10	21:46	
60160-2A	Ti	985.56066	984.67492	986.44635	0.12709	ug/L	08/18/10	21:46	
60160-2A	Tl	2034.75024	2036.84838	2032.65222	0.14582	ug/L	08/18/10	21:46	
60160-2A	V	517.50891	517.39489	517.62298	0.03116	ug/L	08/18/10	21:46	
60160-2A	Zn	513.82543	514.22888	513.42205	0.11103	ug/L	08/18/10	21:46	
60160-2A	2203/1	505.92810	505.33334	506.52288	0.16625	ug/L	08/18/10	21:46	
60160-2A	2203/2	490.51739	492.25286	488.78195	0.50035	ug/L	08/18/10	21:46	
60160-2A	1960/1	2033.49023	2039.44995	2027.53063	0.41447	ug/L	08/18/10	21:46	
60160-2A	1960/2	1950.91772	1947.10937	1954.72595	0.27606	ug/L	08/18/10	21:46	
60160-2A	Y	982.19238	982.21160	982.17309	0.00277		08/18/10	21:46	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60160-2S	Ag	50.86773	51.17598	50.55949	0.85697	ug/L	08/18/10	21:52	
60160-2S	Al	2394.61669	2399.15039	2390.08300	0.26775	ug/L	08/18/10	21:52	
60160-2S	2Al	2.39471	2.39913	2.39030	0.26069	mg/L	08/18/10	21:52	
60160-2S	As	1992.74230	1992.44995	1993.03466	0.02074	ug/L	08/18/10	21:52	
60160-2S	B	1000.85290	1001.17132	1000.53442	0.04499	ug/L	08/18/10	21:52	
60160-2S	Ba	2143.33837	2144.45214	2142.22436	0.07349	ug/L	08/18/10	21:52	
60160-2S	Be	49.71225	49.71801	49.70650	0.01638	ug/L	08/18/10	21:52	
60160-2S	Ca	50561.89843	50531.00000	50592.80078	0.08642	ug/L	08/18/10	21:52	
60160-2S	Cd	48.77989	48.92541	48.63438	0.42187	ug/L	08/18/10	21:52	
60160-2S	Co	501.97686	501.38598	502.56777	0.16647	ug/L	08/18/10	21:52	
60160-2S	Cr	199.53996	198.92332	200.15660	0.43703	ug/L	08/18/10	21:52	
60160-2S	Cu	251.21014	251.44731	250.97296	0.13352	ug/L	08/18/10	21:52	
60160-2S	Fe	1005.29595	1016.43994	994.15197	1.56769	ug/L	08/18/10	21:52	
60160-2S	2Fe	1.00538	1.01652	0.99423	1.56733	mg/L	08/18/10	21:52	
60160-2S	K	16098.38085	16093.60644	16103.15429	0.04193	ug/L	08/18/10	21:52	
60160-2S	Mg	8424.86035	8414.42968	8435.29101	0.17509	ug/L	08/18/10	21:52	
60160-2S	2Mg	8.42253	8.41211	8.43296	0.17511	mg/L	08/18/10	21:52	
60160-2S	Mn	508.91143	508.88973	508.93313	0.00602	ug/L	08/18/10	21:52	
60160-2S	Mo	490.90875	491.05172	490.76574	0.04119	ug/L	08/18/10	21:52	
60160-2S	Na	13789.93554	13953.42187	13626.45019	1.67661	ug/L	08/18/10	21:52	
60160-2S	Ni	497.59222	497.39343	497.79098	0.05649	ug/L	08/18/10	21:52	
60160-2S	Pb	496.25024	495.65127	496.84924	0.17069	ug/L	08/18/10	21:52	
60160-2S	Se	1967.36547	1965.07458	1969.65625	0.16467	ug/L	08/18/10	21:52	
60160-2S	Sb	494.71545	494.10308	495.32778	0.17504	ug/L	08/18/10	21:52	
60160-2S	Sn	1021.73974	1018.38964	1025.08984	0.46369	ug/L	08/18/10	21:52	
60160-2S	Sr	2512.14501	2516.17968	2508.11059	0.22712	ug/L	08/18/10	21:52	
60160-2S	Ti	695.03283	695.01434	695.05126	0.00375	ug/L	08/18/10	21:52	
60160-2S	Tl	2019.61572	2027.78039	2011.45117	0.57171	ug/L	08/18/10	21:52	
60160-2S	V	519.95721	519.36419	520.55023	0.16129	ug/L	08/18/10	21:52	
60160-2S	Zn	511.06994	510.85827	511.28161	0.05857	ug/L	08/18/10	21:52	
60160-2S	2203/1	510.98223	511.01522	510.94921	0.00913	ug/L	08/18/10	21:52	
60160-2S	2203/2	488.89532	487.98080	489.80984	0.26454	ug/L	08/18/10	21:52	
60160-2S	1960/1	2014.42553	2006.65417	2022.19677	0.54557	ug/L	08/18/10	21:52	
60160-2S	1960/2	1943.86987	1944.31518	1943.42468	0.03239	ug/L	08/18/10	21:52	
60160-2S	Y	976.85803	978.35394	975.36212	0.21656		08/18/10	21:52	
60160-2SD	Ag	52.42428	52.44109	52.40747	0.04534	ug/L	08/18/10	21:57	
60160-2SD	Al	2476.26464	2472.91430	2479.61499	0.19134	ug/L	08/18/10	21:57	
60160-2SD	2Al	2.47649	2.47314	2.47984	0.19133	mg/L	08/18/10	21:57	
60160-2SD	As	2050.80297	2038.82617	2062.77978	0.82590	ug/L	08/18/10	21:57	
60160-2SD	B	1028.73046	1026.64794	1030.81311	0.28629	ug/L	08/18/10	21:57	
60160-2SD	Ba	2215.70483	2212.59204	2218.81762	0.19867	ug/L	08/18/10	21:57	
60160-2SD	Be	51.13526	51.11298	51.15755	0.06163	ug/L	08/18/10	21:57	
60160-2SD	Ca	52711.88281	52618.10156	52805.66015	0.25160	ug/L	08/18/10	21:57	
60160-2SD	Cd	50.00569	49.50127	50.51011	1.42656	ug/L	08/18/10	21:57	
60160-2SD	Co	515.54309	514.67736	516.40881	0.23748	ug/L	08/18/10	21:57	
60160-2SD	Cr	205.51319	204.51950	206.50689	0.68380	ug/L	08/18/10	21:57	
60160-2SD	Cu	260.52746	260.03680	261.01812	0.26634	ug/L	08/18/10	21:57	
60160-2SD	Fe	1020.49310	1019.60095	1021.38525	0.12363	ug/L	08/18/10	21:57	
60160-2SD	2Fe	1.02058	1.01968	1.02147	0.12366	mg/L	08/18/10	21:57	
60160-2SD	K	16749.91406	16741.12304	16758.70312	0.07421	ug/L	08/18/10	21:57	
60160-2SD	Mg	8699.42578	8684.48046	8714.37109	0.24295	ug/L	08/18/10	21:57	
60160-2SD	2Mg	8.69703	8.68208	8.71197	0.24296	mg/L	08/18/10	21:57	
60160-2SD	Mn	523.78515	522.59173	524.97857	0.32222	ug/L	08/18/10	21:57	
60160-2SD	Mo	504.81851	504.72409	504.91293	0.02645	ug/L	08/18/10	21:57	
60160-2SD	Na	14425.21093	14380.48046	14469.94238	0.43853	ug/L	08/18/10	21:57	
60160-2SD	Ni	510.54620	510.67660	510.41580	0.03612	ug/L	08/18/10	21:57	
60160-2SD	Pb	511.28540	508.44247	514.12829	0.78634	ug/L	08/18/10	21:57	
60160-2SD	Se	2007.09887	1995.85400	2018.34362	0.79231	ug/L	08/18/10	21:57	
60160-2SD	Sb	513.55322	514.27447	512.83203	0.19860	ug/L	08/18/10	21:57	
60160-2SD	Sn	1049.53515	1044.23803	1054.83227	0.71376	ug/L	08/18/10	21:57	
60160-2SD	Sr	2617.38720	2619.36962	2615.40454	0.10711	ug/L	08/18/10	21:57	
60160-2SD	Ti	713.92443	712.96563	714.88330	0.18993	ug/L	08/18/10	21:57	
60160-2SD	Tl	2071.78417	2072.91210	2070.65649	0.07698	ug/L	08/18/10	21:57	
60160-2SD	V	533.37872	532.46295	534.29449	0.24280	ug/L	08/18/10	21:57	
60160-2SD	Zn	522.71728	522.38616	523.04833	0.08957	ug/L	08/18/10	21:57	
60160-2SD	2203/1	522.09033	520.31958	523.86102	0.47964	ug/L	08/18/10	21:57	
60160-2SD	2203/2	505.89099	502.51281	509.26919	0.94436	ug/L	08/18/10	21:57	
60160-2SD	1960/1	2067.31616	2061.08496	2073.54736	0.42626	ug/L	08/18/10	21:57	
60160-2SD	1960/2	1977.03466	1963.28674	1990.78259	0.98341	ug/L	08/18/10	21:57	
60160-2SD	Y	961.52380	964.55889	958.48864	0.44640		08/18/10	21:57	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60398-2	Ag	0.47463	0.73896	0.21030	78.76003	ug/L	08/18/10	22:02	
60398-2	Al	124.87875	128.43707	121.32043	4.02968	ug/L	08/18/10	22:02	
60398-2	2Al	0.12489	0.12844	0.12133	4.02968	mg/L	08/18/10	22:02	
60398-2	As	3.63298	4.73588	2.53009	42.93231	ug/L	08/18/10	22:02	
60398-2	B	6.25793	6.26694	6.24892	0.20361	ug/L	08/18/10	22:02	
60398-2	Ba	26.93909	26.88085	26.99733	0.30575	ug/L	08/18/10	22:02	
60398-2	Be	0.12463	0.11212	0.13713	14.18592	ug/L	08/18/10	22:02	
60398-2	Ca	7488.95507	7491.06298	7486.84716	0.03980	ug/L	08/18/10	22:02	
60398-2	Cd	0.30391	0.25502	0.35280	22.74954	ug/L	08/18/10	22:02	
60398-2	Co	0.59886	0.38493	0.81279	50.51839	ug/L	08/18/10	22:02	
60398-2	Cr	1.45515	1.90751	1.00279	43.96354	ug/L	08/18/10	22:02	
60398-2	Cu	24.81852	24.25623	25.38081	3.20406	ug/L	08/18/10	22:02	
60398-2	Fe	973.48706	968.94085	978.03332	0.66044	ug/L	08/18/10	22:02	
60398-2	2Fe	0.97336	0.96881	0.97790	0.66045	mg/L	08/18/10	22:02	
60398-2	K	14025.70703	14026.04785	14025.36523	0.00344	ug/L	08/18/10	22:02	
60398-2	Mg	2497.39819	2501.31787	2493.47851	0.22196	ug/L	08/18/10	22:02	
60398-2	2Mg	2.49653	2.50045	2.49261	0.22202	mg/L	08/18/10	22:02	
60398-2	Mn	23.88447	23.97008	23.79885	0.50693	ug/L	08/18/10	22:02	
60398-2	Mo	8.43218	8.63484	8.22952	3.39891	ug/L	08/18/10	22:02	
60398-2	Na	31467.28515	31602.03515	31332.53710	0.60559	ug/L	08/18/10	22:02	
60398-2	Ni	2.68455	3.17531	2.19380	25.85277	ug/L	08/18/10	22:02	
60398-2	Pb	3.43262	2.85692	4.00832	23.71833	ug/L	08/18/10	22:02	
60398-2	Se	2.26451	-0.46548	4.99451	170.49137	ug/L	08/18/10	22:02	
60398-2	Sb	-2.93237	-4.01657	-1.84816	52.28867	ug/L	08/18/10	22:02	
60398-2	Sn	7.50273	6.78182	8.22365	13.58878	ug/L	08/18/10	22:02	
60398-2	Sr	33.32198	33.27507	33.36890	0.19911	ug/L	08/18/10	22:02	
60398-2	Ti	4.49739	4.48127	4.51352	0.50692	ug/L	08/18/10	22:02	
60398-2	Tl	5.53203	2.78642	8.27764	70.18886	ug/L	08/18/10	22:02	
60398-2	V	1.07661	1.42336	0.72987	45.54757	ug/L	08/18/10	22:02	
60398-2	Zn	94.55280	94.69216	94.41343	0.20844	ug/L	08/18/10	22:02	
60398-2	2203/1	1.59795	0.89285	2.30305	62.40227	ug/L	08/18/10	22:02	
60398-2	2203/2	4.34859	3.83749	4.85968	16.62148	ug/L	08/18/10	22:02	
60398-2	1960/1	-1.05259	-6.38362	4.27843	716.25335	ug/L	08/18/10	22:02	
60398-2	1960/2	3.92058	2.48914	5.35201	51.63405	ug/L	08/18/10	22:02	
60398-2	Y	985.68444	983.17358	988.19525	0.36024		08/18/10	22:02	
CCV	Ag	494.25344	495.38409	493.12280	0.32351	ug/L	08/18/10	22:08	
CCV	Al	5002.16601	5010.65820	4993.67382	0.24009	ug/L	08/18/10	22:08	
CCV	2Al	5.00235	5.01108	4.99362	0.24682	mg/L	08/18/10	22:08	
CCV	As	498.57653	501.94287	495.21020	0.95486	ug/L	08/18/10	22:08	
CCV	B	4894.82470	4896.60009	4893.04931	0.05129	ug/L	08/18/10	22:08	
CCV	Ba	4964.93701	4971.74755	4958.12646	0.19399	ug/L	08/18/10	22:08	
CCV	Be	492.05859	494.08578	490.03143	0.58262	ug/L	08/18/10	22:08	
CCV	Ca	5170.19433	5187.70117	5152.68798	0.47886	ug/L	08/18/10	22:08	
CCV	Cd	486.80773	487.52905	486.08645	0.20954	ug/L	08/18/10	22:08	
CCV	Co	498.29028	499.28680	497.29373	0.28283	ug/L	08/18/10	22:08	
CCV	Cr	4951.33398	4969.28710	4933.38085	0.51278	ug/L	08/18/10	22:08	
CCV	Cu	4958.96533	4965.26611	4952.66455	0.17968	ug/L	08/18/10	22:08	
CCV	Fe	4979.58642	4987.80468	4971.36816	0.23340	ug/L	08/18/10	22:08	
CCV	2Fe	4.97960	4.98782	4.97138	0.23340	mg/L	08/18/10	22:08	
CCV	K	10259.38671	10277.65136	10241.12304	0.25176	ug/L	08/18/10	22:08	
CCV	Mg	5185.17578	5209.39257	5160.95898	0.66049	ug/L	08/18/10	22:08	
CCV	2Mg	5.18514	5.20935	5.16092	0.66044	mg/L	08/18/10	22:08	
CCV	Mn	5029.39550	5043.55126	5015.23974	0.39804	ug/L	08/18/10	22:08	
CCV	Mo	492.97528	491.86300	494.08758	0.31908	ug/L	08/18/10	22:08	
CCV	Na	7522.61816	7679.68261	7365.55371	2.95273	ug/L	08/18/10	22:08	
CCV	Ni	2495.36572	2503.68823	2487.04321	0.47166	ug/L	08/18/10	22:08	
CCV	Pb	503.80752	506.50000	501.11505	0.75579	ug/L	08/18/10	22:08	
CCV	Se	4923.44042	4946.07324	4900.80712	0.65011	ug/L	08/18/10	22:08	
CCV	Sb	491.54547	491.75286	491.33804	0.05967	ug/L	08/18/10	22:08	
CCV	Sn	5128.18994	5137.74169	5118.63818	0.26341	ug/L	08/18/10	22:08	
CCV	Sr	2422.32910	2430.03466	2414.62329	0.44987	ug/L	08/18/10	22:08	
CCV	Ti	495.17047	496.22921	494.11172	0.30237	ug/L	08/18/10	22:08	
CCV	Tl	4917.28417	4920.75634	4913.81152	0.09986	ug/L	08/18/10	22:08	
CCV	V	5188.75292	5200.54833	5176.95751	0.32148	ug/L	08/18/10	22:08	
CCV	Zn	2534.30053	2543.33105	2525.27001	0.50392	ug/L	08/18/10	22:08	
CCV	2203/1	516.35522	516.08776	516.62268	0.07325	ug/L	08/18/10	22:08	
CCV	2203/2	497.53826	501.70849	493.36807	1.18535	ug/L	08/18/10	22:08	
CCV	1960/1	5053.23974	5069.80859	5036.67089	0.46370	ug/L	08/18/10	22:08	
CCV	1960/2	4858.63769	4884.29833	4832.97705	0.74690	ug/L	08/18/10	22:08	
CCV	Y	980.38378	975.32366	985.44390	0.72992		08/18/10	22:08	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.68589	0.44271	0.92908	50.14105	ug/L	08/18/10	22:13	
CCB	Al	-27.78676	-29.15575	-26.41777	6.96749	ug/L	08/18/10	22:13	
CCB	2Al	-0.02778	-0.02915	-0.02642	6.96745	mg/L	08/18/10	22:13	
CCB	As	-0.69909	-0.22031	-1.17786	96.85345	ug/L	08/18/10	22:13	
CCB	B	15.84617	16.62224	15.07010	6.92616	ug/L	08/18/10	22:13	
CCB	Ba	1.03006	0.16989	1.89023	118.09544	ug/L	08/18/10	22:13	
CCB	Be	0.20411	0.11162	0.29661	64.08586	ug/L	08/18/10	22:13	
CCB	Ca	9.32906	7.01852	11.63960	35.02594	ug/L	08/18/10	22:13	
CCB	Cd	0.15091	-0.00392	0.30575	145.10369	ug/L	08/18/10	22:13	
CCB	Co	0.72781	0.88645	0.56916	30.82639	ug/L	08/18/10	22:13	
CCB	Cr	1.02013	-0.05258	2.09285	148.71102	ug/L	08/18/10	22:13	
CCB	Cu	1.81264	0.69097	2.93431	87.51174	ug/L	08/18/10	22:13	
CCB	Fe	-15.07829	-8.58763	-21.56895	60.87679	ug/L	08/18/10	22:13	
CCB	2Fe	-0.01507	-0.00858	-0.02156	60.87834	mg/L	08/18/10	22:13	
CCB	K	-0.32414	1.17911	-1.82741	655.85382	ug/L	08/18/10	22:13	
CCB	Mg	-2.51346	-5.03813	0.01120	142.05187	ug/L	08/18/10	22:13	
CCB	2Mg	-0.00250	-0.00503	0.00001	142.31770	mg/L	08/18/10	22:13	
CCB	Mn	1.04162	0.09496	1.98829	128.52746	ug/L	08/18/10	22:13	
CCB	Mo	0.12658	-0.97796	1.23114	1233.99365	ug/L	08/18/10	22:13	
CCB	Na	140.60874	168.64707	112.57042	28.20036	ug/L	08/18/10	22:13	
CCB	Ni	0.22565	0.29621	0.15508	44.22526	ug/L	08/18/10	22:13	
CCB	Pb	1.80104	1.73855	1.86353	4.90675	ug/L	08/18/10	22:13	
CCB	Se	6.02051	6.04221	5.99882	0.50963	ug/L	08/18/10	22:13	
CCB	Sb	-1.97883	-2.44562	-1.51205	33.35978	ug/L	08/18/10	22:13	
CCB	Sn	2.83541	0.71343	4.95739	105.83766	ug/L	08/18/10	22:13	
CCB	Sr	0.51765	0.10439	0.93092	112.90209	ug/L	08/18/10	22:13	
CCB	Ti	0.26599	0.15632	0.37565	58.30604	ug/L	08/18/10	22:13	
CCB	Tl	1.30855	-0.50595	3.12307	196.10237	ug/L	08/18/10	22:13	
CCB	V	1.45360	0.91710	1.99010	52.19633	ug/L	08/18/10	22:13	
CCB	Zn	0.54274	0.48653	0.59895	14.64709	ug/L	08/18/10	22:13	
CCB	2203/1	1.18762	0.87840	1.49684	36.82195	ug/L	08/18/10	22:13	
CCB	2203/2	2.10729	2.16798	2.04660	4.07309	ug/L	08/18/10	22:13	
CCB	1960/1	3.60055	5.96937	1.23173	93.04164	ug/L	08/18/10	22:13	
CCB	1960/2	7.22868	6.07858	8.37879	22.50056	ug/L	08/18/10	22:13	
CCB	Y	953.74597	955.24670	952.24530	0.22252		08/18/10	22:13	
60296-1	Ag	-0.00279	0.32520	-0.33079	16591.72460	ug/L	08/18/10	22:18	
60296-1	Al	252.06326	254.04362	250.08288	1.11109	ug/L	08/18/10	22:18	
60296-1	2Al	0.25208	0.25406	0.25010	1.11108	mg/L	08/18/10	22:18	
60296-1	As	2.12647	1.85871	2.39424	17.80766	ug/L	08/18/10	22:18	
60296-1	B	-12.69308	-11.74494	-13.64121	10.56371	ug/L	08/18/10	22:18	
60296-1	Ba	73.31188	73.03217	73.59159	0.53957	ug/L	08/18/10	22:18	
60296-1	Be	0.43857	0.41765	0.45949	6.74569	ug/L	08/18/10	22:18	
60296-1	Ca	2811.40429	2808.22290	2814.58593	0.16003	ug/L	08/18/10	22:18	
60296-1	Cd	-0.06170	-0.07075	-0.05265	20.74752	ug/L	08/18/10	22:18	
60296-1	Co	198.64950	198.85913	198.43988	0.14923	ug/L	08/18/10	22:18	
60296-1	Cr	4.19566	4.07481	4.31651	4.07340	ug/L	08/18/10	22:18	
60296-1	Cu	17.09780	16.87104	17.32456	1.87561	ug/L	08/18/10	22:18	
60296-1	Fe	353.33172	346.28701	360.37643	2.81965	ug/L	08/18/10	22:18	
60296-1	2Fe	0.35335	0.34630	0.36039	2.81909	mg/L	08/18/10	22:18	
60296-1	K	2394.19140	2391.08935	2397.29345	0.18323	ug/L	08/18/10	22:18	
60296-1	Mg	886.49963	884.97601	888.02331	0.24306	ug/L	08/18/10	22:18	
60296-1	2Mg	0.88629	0.88477	0.88782	0.24290	mg/L	08/18/10	22:18	
60296-1	Mn	245.22656	244.41777	246.03536	0.46643	ug/L	08/18/10	22:18	
60296-1	Mo	5.13535	3.77469	6.49600	37.47076	ug/L	08/18/10	22:18	
60296-1	Na	5697.43457	5641.60888	5753.26074	1.38570	ug/L	08/18/10	22:18	
60296-1	Ni	33.89300	33.35551	34.43049	2.24272	ug/L	08/18/10	22:18	
60296-1	Pb	0.56669	1.44738	-0.31399	219.77850	ug/L	08/18/10	22:18	
60296-1	Se	0.00598	1.95305	-1.94108	45996.29296	ug/L	08/18/10	22:18	
60296-1	Sb	-2.52605	-3.74957	-1.30254	68.49850	ug/L	08/18/10	22:18	
60296-1	Sn	0.23113	3.08727	-2.62501	1747.56347	ug/L	08/18/10	22:18	
60296-1	Sr	38.73075	38.65378	38.80772	0.28104	ug/L	08/18/10	22:18	
60296-1	Ti	10.08819	10.08494	10.09143	0.04544	ug/L	08/18/10	22:18	
60296-1	Tl	2.89209	2.85656	2.92761	1.73731	ug/L	08/18/10	22:18	
60296-1	V	-0.03540	0.44782	-0.51864	1930.04785	ug/L	08/18/10	22:18	
60296-1	Zn	45.07495	44.84042	45.30949	0.73584	ug/L	08/18/10	22:18	
60296-1	2203/1	-0.46197	0.29520	-1.21915	231.79280	ug/L	08/18/10	22:18	
60296-1	2203/2	1.08026	2.02261	0.13791	123.36688	ug/L	08/18/10	22:18	
60296-1	1960/1	-4.93268	-2.36987	-7.49550	73.47651	ug/L	08/18/10	22:18	
60296-1	1960/2	2.47162	4.11128	0.83196	93.81813	ug/L	08/18/10	22:18	
60296-1	Y	973.71234	975.38140	972.04327	0.24241		08/18/10	22:18	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60296-2	Ag	0.74213	1.03999	0.44428	56.75947	ug/L	08/18/10	22:24	
60296-2	Al	1458.33496	1462.82885	1453.84106	0.43579	ug/L	08/18/10	22:24	
60296-2	2Al	1.45847	1.46296	1.45397	0.43579	mg/L	08/18/10	22:24	
60296-2	As	-0.56195	-2.98857	1.86466	610.68359	ug/L	08/18/10	22:24	
60296-2	B	-11.73522	-11.31086	-12.15958	5.11402	ug/L	08/18/10	22:24	
60296-2	Ba	29.85883	29.82291	29.89475	0.17011	ug/L	08/18/10	22:24	
60296-2	Be	0.48771	0.50208	0.47333	4.16834	ug/L	08/18/10	22:24	
60296-2	Ca	676.19042	678.83850	673.54235	0.55382	ug/L	08/18/10	22:24	
60296-2	Cd	-0.06027	0.11003	-0.23058	399.59854	ug/L	08/18/10	22:24	
60296-2	Co	6.37435	6.79663	5.95207	9.36875	ug/L	08/18/10	22:24	
60296-2	Cr	27.85403	27.90415	27.80391	0.25447	ug/L	08/18/10	22:24	
60296-2	Cu	15.47341	15.77710	15.16973	2.77554	ug/L	08/18/10	22:24	
60296-2	Fe	1290.01586	1289.10815	1290.92358	0.09951	ug/L	08/18/10	22:24	
60296-2	2Fe	1.28985	1.28894	1.29076	0.09949	mg/L	08/18/10	22:24	
60296-2	K	975.95764	988.77008	963.14526	1.85658	ug/L	08/18/10	22:24	
60296-2	Mg	747.26782	748.39233	746.14337	0.21280	ug/L	08/18/10	22:24	
60296-2	2Mg	0.74683	0.74795	0.74571	0.21290	mg/L	08/18/10	22:24	
60296-2	Mn	10.25980	10.32605	10.19355	0.91320	ug/L	08/18/10	22:24	
60296-2	Mo	2.29345	2.89439	1.69251	37.05560	ug/L	08/18/10	22:24	
60296-2	Na	3705.97412	3649.95727	3761.99072	2.13761	ug/L	08/18/10	22:24	
60296-2	Ni	29.77469	30.42861	29.12076	3.10594	ug/L	08/18/10	22:24	
60296-2	Pb	3.72226	3.98278	3.46174	9.89810	ug/L	08/18/10	22:24	
60296-2	Se	-0.99844	-0.67264	-1.32423	46.14672	ug/L	08/18/10	22:24	
60296-2	Sb	-3.67246	-5.58212	-1.76280	73.53820	ug/L	08/18/10	22:24	
60296-2	Sn	0.60449	-2.32706	3.53606	685.83618	ug/L	08/18/10	22:24	
60296-2	Sr	12.59908	12.63871	12.55945	0.44485	ug/L	08/18/10	22:24	
60296-2	Ti	12.54323	12.61524	12.47123	0.81184	ug/L	08/18/10	22:24	
60296-2	Tl	1.86710	-1.08702	4.82124	223.75671	ug/L	08/18/10	22:24	
60296-2	V	1.36684	1.47688	1.25680	11.38538	ug/L	08/18/10	22:24	
60296-2	Zn	45.05668	45.27482	44.83855	0.68467	ug/L	08/18/10	22:24	
60296-2	2203/1	2.95032	2.44693	3.45372	24.12989	ug/L	08/18/10	22:24	
60296-2	2203/2	4.10765	4.74956	3.46574	22.10010	ug/L	08/18/10	22:24	
60296-2	1960/1	-0.77391	-0.43640	-1.11143	61.67478	ug/L	08/18/10	22:24	
60296-2	1960/2	-1.11053	-0.79058	-1.43048	40.74415	ug/L	08/18/10	22:24	
60296-2	Y	975.96337	971.27362	980.65313	0.67956		08/18/10	22:24	
60296-3	Ag	0.05790	-0.09126	0.20708	364.29110	ug/L	08/18/10	22:29	
60296-3	Al	331.05429	325.85821	336.25036	2.21968	ug/L	08/18/10	22:29	
60296-3	2Al	0.33108	0.32588	0.33628	2.21968	mg/L	08/18/10	22:29	
60296-3	As	0.70563	-1.05808	2.46935	353.47866	ug/L	08/18/10	22:29	
60296-3	B	-14.90526	-13.24181	-16.56872	15.78287	ug/L	08/18/10	22:29	
60296-3	Ba	165.08865	164.99397	165.18331	0.08110	ug/L	08/18/10	22:29	
60296-3	Be	0.92826	0.92295	0.93357	0.80900	ug/L	08/18/10	22:29	
60296-3	Ca	6204.11132	6199.54101	6208.68164	0.10417	ug/L	08/18/10	22:29	
60296-3	Cd	-0.03924	-0.16979	0.09130	470.46768	ug/L	08/18/10	22:29	
60296-3	Co	1.35535	1.61057	1.10013	26.63047	ug/L	08/18/10	22:29	
60296-3	Cr	28.31310	28.50471	28.12149	0.95707	ug/L	08/18/10	22:29	
60296-3	Cu	3.23425	2.93899	3.52950	12.91031	ug/L	08/18/10	22:29	
60296-3	Fe	2602.10839	2599.53247	2604.68457	0.14000	ug/L	08/18/10	22:29	
60296-3	2Fe	2.60177	2.59920	2.60435	0.14000	mg/L	08/18/10	22:29	
60296-3	K	1550.95874	1554.27722	1547.64025	0.30258	ug/L	08/18/10	22:29	
60296-3	Mg	2708.07080	2702.95874	2713.18261	0.26695	ug/L	08/18/10	22:29	
60296-3	2Mg	2.70686	2.70175	2.71197	0.26697	mg/L	08/18/10	22:29	
60296-3	Mn	25.97467	26.01228	25.93705	0.20479	ug/L	08/18/10	22:29	
60296-3	Mo	3.09813	2.34277	3.85349	34.48008	ug/L	08/18/10	22:29	
60296-3	Na	21095.52343	21040.42382	21150.62500	0.36938	ug/L	08/18/10	22:29	
60296-3	Ni	22.80617	22.21438	23.39797	3.66970	ug/L	08/18/10	22:29	
60296-3	Pb	-0.32560	-0.40430	-0.24690	34.18409	ug/L	08/18/10	22:29	
60296-3	Se	-1.29084	0.26155	-2.84325	170.07662	ug/L	08/18/10	22:29	
60296-3	Sb	-1.81449	-3.33110	-0.29789	118.20384	ug/L	08/18/10	22:29	
60296-3	Sn	0.42109	0.76551	0.07667	115.67048	ug/L	08/18/10	22:29	
60296-3	Sr	90.59996	90.74848	90.45144	0.23183	ug/L	08/18/10	22:29	
60296-3	Ti	13.97159	14.04902	13.89415	0.78380	ug/L	08/18/10	22:29	
60296-3	Tl	3.26366	3.84012	2.68721	24.97907	ug/L	08/18/10	22:29	
60296-3	V	1.19786	1.68234	0.71338	57.19831	ug/L	08/18/10	22:29	
60296-3	Zn	22.47576	22.51605	22.43548	0.25348	ug/L	08/18/10	22:29	
60296-3	2203/1	-0.86825	-3.17328	1.43677	375.44464	ug/L	08/18/10	22:29	
60296-3	2203/2	-0.05468	0.97810	-1.08747	2670.71728	ug/L	08/18/10	22:29	
60296-3	1960/1	-5.07335	-2.56782	-7.57888	69.84249	ug/L	08/18/10	22:29	
60296-3	1960/2	0.59757	1.67412	-0.47898	254.77799	ug/L	08/18/10	22:29	
60296-3	Y	975.73730	974.02496	977.44970	0.24818		08/18/10	22:29	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60296-4	Ag	0.65157	0.62159	0.68154	6.50571	ug/L	08/18/10	22:34	
60296-4	Al	-30.74215	-31.49389	-29.99042	3.45816	ug/L	08/18/10	22:34	
60296-4	2Al	-0.03074	-0.03149	-0.02999	3.45815	mg/L	08/18/10	22:34	
60296-4	As	-2.79106	-4.46327	-1.11885	84.72969	ug/L	08/18/10	22:34	
60296-4	B	-18.76085	-19.32587	-18.19582	4.25922	ug/L	08/18/10	22:34	
60296-4	Ba	124.30769	124.31561	124.29977	0.00900	ug/L	08/18/10	22:34	
60296-4	Be	0.12885	0.13064	0.12705	1.97369	ug/L	08/18/10	22:34	
60296-4	Ca	5260.39892	5257.21435	5263.58349	0.08561	ug/L	08/18/10	22:34	
60296-4	Cd	-0.33344	-0.26184	-0.40503	30.36611	ug/L	08/18/10	22:34	
60296-4	Co	2.60520	2.42783	2.78256	9.62807	ug/L	08/18/10	22:34	
60296-4	Cr	0.14190	-0.22607	0.50987	366.73364	ug/L	08/18/10	22:34	
60296-4	Cu	1.41812	1.17154	1.66470	24.59013	ug/L	08/18/10	22:34	
60296-4	Fe	20.49440	19.62581	21.36299	5.99369	ug/L	08/18/10	22:34	
60296-4	2Fe	0.02049	0.01962	0.02136	5.99385	mg/L	08/18/10	22:34	
60296-4	K	2378.87548	2387.52392	2370.22705	0.51413	ug/L	08/18/10	22:34	
60296-4	Mg	2060.98388	2058.69921	2063.26879	0.15677	ug/L	08/18/10	22:34	
60296-4	2Mg	2.06041	2.05813	2.06270	0.15677	mg/L	08/18/10	22:34	
60296-4	Mn	38.04946	38.07684	38.02207	0.10178	ug/L	08/18/10	22:34	
60296-4	Mo	5.32977	7.06247	3.59706	45.97600	ug/L	08/18/10	22:34	
60296-4	Na	33450.46093	33557.39062	33343.53125	0.45207	ug/L	08/18/10	22:34	
60296-4	Ni	132.97653	133.91406	132.03898	0.99707	ug/L	08/18/10	22:34	
60296-4	Pb	-0.35278	0.24756	-0.95313	240.66215	ug/L	08/18/10	22:34	
60296-4	Se	-0.55850	-0.24559	-0.87141	79.23365	ug/L	08/18/10	22:34	
60296-4	Sb	-5.47863	-6.40777	-4.54949	23.98408	ug/L	08/18/10	22:34	
60296-4	Sn	1.22592	-2.03511	4.48696	376.18942	ug/L	08/18/10	22:34	
60296-4	Sr	82.03205	82.25953	81.80458	0.39216	ug/L	08/18/10	22:34	
60296-4	Ti	0.05538	0.04274	0.06803	32.29081	ug/L	08/18/10	22:34	
60296-4	Tl	-2.24343	2.07093	-6.55781	271.96844	ug/L	08/18/10	22:34	
60296-4	V	0.30018	0.22896	0.37140	33.55222	ug/L	08/18/10	22:34	
60296-4	Zn	5.71736	5.54690	5.88781	4.21626	ug/L	08/18/10	22:34	
60296-4	2203/1	1.05063	0.03212	2.06913	137.09710	ug/L	08/18/10	22:34	
60296-4	2203/2	-1.05344	0.35512	-2.46200	189.09527	ug/L	08/18/10	22:34	
60296-4	1960/1	-4.05385	-6.61504	-1.49266	89.34870	ug/L	08/18/10	22:34	
60296-4	1960/2	1.18655	2.93435	-0.56125	208.31535	ug/L	08/18/10	22:34	
60296-4	Y	977.23803	979.48913	974.98693	0.32576		08/18/10	22:34	
60296-5	Ag	0.53352	0.38441	0.68264	39.52532	ug/L	08/18/10	22:40	
60296-5	Al	4.02767	3.13793	4.91741	31.24091	ug/L	08/18/10	22:40	
60296-5	2Al	0.00402	0.00313	0.00491	31.24091	mg/L	08/18/10	22:40	
60296-5	As	0.82140	2.16961	-0.52681	232.12271	ug/L	08/18/10	22:40	
60296-5	B	-19.03507	-19.87480	-18.19534	6.23879	ug/L	08/18/10	22:40	
60296-5	Ba	133.62588	133.30961	133.94216	0.33472	ug/L	08/18/10	22:40	
60296-5	Be	0.60448	0.61051	0.59845	1.41137	ug/L	08/18/10	22:40	
60296-5	Ca	8529.52343	8511.88964	8547.15820	0.29238	ug/L	08/18/10	22:40	
60296-5	Cd	-0.02943	0.08255	-0.14142	538.07257	ug/L	08/18/10	22:40	
60296-5	Co	23.82417	23.38882	24.25952	2.58424	ug/L	08/18/10	22:40	
60296-5	Cr	1.36513	1.19064	1.53963	18.07694	ug/L	08/18/10	22:40	
60296-5	Cu	1.35773	1.74875	0.96672	40.72761	ug/L	08/18/10	22:40	
60296-5	Fe	1341.93994	1335.29443	1348.58557	0.70034	ug/L	08/18/10	22:40	
60296-5	2Fe	1.34177	1.33513	1.34842	0.70036	mg/L	08/18/10	22:40	
60296-5	K	2224.99853	2218.18237	2231.81469	0.43323	ug/L	08/18/10	22:40	
60296-5	Mg	3365.50488	3366.79638	3364.21337	0.05427	ug/L	08/18/10	22:40	
60296-5	2Mg	3.36444	3.36574	3.36315	0.05431	mg/L	08/18/10	22:40	
60296-5	Mn	283.29513	282.68563	283.90463	0.30426	ug/L	08/18/10	22:40	
60296-5	Mo	-0.80328	-0.98502	-0.62155	31.99502	ug/L	08/18/10	22:40	
60296-5	Na	22819.23046	22548.22851	23090.23242	1.67952	ug/L	08/18/10	22:40	
60296-5	Ni	4.30290	4.25513	4.35067	1.57002	ug/L	08/18/10	22:40	
60296-5	Pb	0.00813	-1.00998	1.02625	17703.91015	ug/L	08/18/10	22:40	
60296-5	Se	2.59509	4.30450	0.88568	93.15530	ug/L	08/18/10	22:40	
60296-5	Sb	-7.75492	-9.77871	-5.73112	36.90666	ug/L	08/18/10	22:40	
60296-5	Sn	1.21569	-3.05425	5.48564	496.72161	ug/L	08/18/10	22:40	
60296-5	Sr	127.24446	126.93628	127.55263	0.34250	ug/L	08/18/10	22:40	
60296-5	Ti	2.54465	2.59295	2.49636	2.68409	ug/L	08/18/10	22:40	
60296-5	Tl	-4.96777	-5.94004	-3.99551	27.67817	ug/L	08/18/10	22:40	
60296-5	V	-0.20970	-0.10580	-0.31360	70.06845	ug/L	08/18/10	22:40	
60296-5	Zn	9.51955	9.23260	9.80649	4.26283	ug/L	08/18/10	22:40	
60296-5	2203/1	-0.38157	-2.21406	1.45092	679.17187	ug/L	08/18/10	22:40	
60296-5	2203/2	0.20269	-0.40884	0.81423	426.67697	ug/L	08/18/10	22:40	
60296-5	1960/1	1.05592	2.15458	-0.04273	147.14466	ug/L	08/18/10	22:40	
60296-5	1960/2	3.36352	5.37785	1.34920	84.69344	ug/L	08/18/10	22:40	
60296-5	Y	971.49975	973.98651	969.01293	0.36200		08/18/10	22:40	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60296-6	Ag	0.44217	0.56408	0.32025	38.99203	ug/L	08/18/10	22:45	
60296-6	Al	58.76615	55.20301	62.32930	8.57475	ug/L	08/18/10	22:45	
60296-6	2Al	0.05877	0.05520	0.06233	8.57478	mg/L	08/18/10	22:45	
60296-6	As	-0.62258	2.75808	-4.00325	767.92419	ug/L	08/18/10	22:45	
60296-6	B	-6.32856	-6.42016	-6.23697	2.04686	ug/L	08/18/10	22:45	
60296-6	Ba	46.95935	46.73234	47.18636	0.68366	ug/L	08/18/10	22:45	
60296-6	Be	0.85325	0.86982	0.83669	2.74505	ug/L	08/18/10	22:45	
60296-6	Ca	2949.65185	2946.68164	2952.62182	0.14240	ug/L	08/18/10	22:45	
60296-6	Cd	0.20804	0.36364	0.05244	105.77180	ug/L	08/18/10	22:45	
60296-6	Co	4.45755	4.53025	4.38486	2.30636	ug/L	08/18/10	22:45	
60296-6	Cr	26.11810	26.11517	26.12102	0.01584	ug/L	08/18/10	22:45	
60296-6	Cu	2.90454	2.91483	2.89425	0.50091	ug/L	08/18/10	22:45	
60296-6	Fe	265.45639	255.00651	275.90628	5.56715	ug/L	08/18/10	22:45	
60296-6	2Fe	0.26542	0.25497	0.27587	5.56709	mg/L	08/18/10	22:45	
60296-6	K	2236.12841	2223.05981	2249.19702	0.82650	ug/L	08/18/10	22:45	
60296-6	Mg	3420.48950	3417.62573	3423.35327	0.11840	ug/L	08/18/10	22:45	
60296-6	2Mg	3.41952	3.41666	3.42238	0.11833	mg/L	08/18/10	22:45	
60296-6	Mn	100.97564	100.86845	101.08283	0.15012	ug/L	08/18/10	22:45	
60296-6	Mo	8.96953	9.22194	8.71713	3.97963	ug/L	08/18/10	22:45	
60296-6	Na	243888.04687	243398.81250	244377.28125	0.28368	ug/L	08/18/10	22:45	
60296-6	Ni	125.03349	124.62542	125.44155	0.46155	ug/L	08/18/10	22:45	
60296-6	Pb	-1.20311	-0.42930	-1.97693	90.95811	ug/L	08/18/10	22:45	
60296-6	Se	2.23914	1.53598	2.94231	44.41083	ug/L	08/18/10	22:45	
60296-6	Sb	-2.73359	-1.71283	-3.75435	52.80856	ug/L	08/18/10	22:45	
60296-6	Sn	2.54429	2.29461	2.79398	13.87842	ug/L	08/18/10	22:45	
60296-6	Sr	44.55906	44.50974	44.60838	0.15652	ug/L	08/18/10	22:45	
60296-6	Ti	2.51821	2.43066	2.60576	4.91655	ug/L	08/18/10	22:45	
60296-6	Tl	-0.09932	-0.46923	0.27058	526.68713	ug/L	08/18/10	22:45	
60296-6	V	0.97891	1.26007	0.69775	40.61901	ug/L	08/18/10	22:45	
60296-6	Zn	12.64795	12.77808	12.51782	1.45505	ug/L	08/18/10	22:45	
60296-6	2203/1	-2.54991	-1.52707	-3.57275	56.72809	ug/L	08/18/10	22:45	
60296-6	2203/2	-0.53073	0.11875	-1.18021	173.06427	ug/L	08/18/10	22:45	
60296-6	1960/1	-2.64803	-1.15413	-4.14192	79.78347	ug/L	08/18/10	22:45	
60296-6	1960/2	4.67907	2.87902	6.47912	54.40505	ug/L	08/18/10	22:45	
60296-6	Y	951.21594	953.41894	949.01293	0.32752		08/18/10	22:45	
60296-7	Ag	0.65143	0.44401	0.85885	45.02941	ug/L	08/18/10	22:50	
60296-7	Al	50.37652	51.13793	49.61510	2.13751	ug/L	08/18/10	22:50	
60296-7	2Al	0.05038	0.05114	0.04961	2.13751	mg/L	08/18/10	22:50	
60296-7	As	3.14877	2.26073	4.03680	39.88441	ug/L	08/18/10	22:50	
60296-7	B	-21.00868	-20.85302	-21.16435	1.04787	ug/L	08/18/10	22:50	
60296-7	Ba	138.06671	138.29382	137.83959	0.23263	ug/L	08/18/10	22:50	
60296-7	Be	0.65421	0.63262	0.67581	4.66777	ug/L	08/18/10	22:50	
60296-7	Ca	8940.54687	8950.91992	8930.17382	0.16408	ug/L	08/18/10	22:50	
60296-7	Cd	-0.05767	-0.21878	0.10344	395.07537	ug/L	08/18/10	22:50	
60296-7	Co	23.49262	23.13337	23.85187	2.16260	ug/L	08/18/10	22:50	
60296-7	Cr	1.15809	0.73512	1.58107	51.65158	ug/L	08/18/10	22:50	
60296-7	Cu	1.61351	1.20230	2.02473	36.04169	ug/L	08/18/10	22:50	
60296-7	Fe	1330.56298	1333.81335	1327.31262	0.34547	ug/L	08/18/10	22:50	
60296-7	2Fe	1.33040	1.33365	1.32715	0.34545	mg/L	08/18/10	22:50	
60296-7	K	2352.42065	2351.66918	2353.17211	0.04517	ug/L	08/18/10	22:50	
60296-7	Mg	3470.28320	3467.52758	3473.03857	0.11229	ug/L	08/18/10	22:50	
60296-7	2Mg	3.46919	3.46644	3.47195	0.11232	mg/L	08/18/10	22:50	
60296-7	Mn	280.19012	280.35714	280.02310	0.08430	ug/L	08/18/10	22:50	
60296-7	Mo	-0.13405	-0.08845	-0.17965	48.10302	ug/L	08/18/10	22:50	
60296-7	Na	23782.09765	23787.79296	23776.40234	0.03386	ug/L	08/18/10	22:50	
60296-7	Ni	2.95751	2.41044	3.50459	26.15978	ug/L	08/18/10	22:50	
60296-7	Pb	-1.07610	-1.19574	-0.95646	15.72321	ug/L	08/18/10	22:50	
60296-7	Se	0.22295	0.70127	-0.25535	303.39569	ug/L	08/18/10	22:50	
60296-7	Sb	-3.03635	-4.40275	-1.66994	63.64190	ug/L	08/18/10	22:50	
60296-7	Sn	2.10073	1.95764	2.24382	9.63273	ug/L	08/18/10	22:50	
60296-7	Sr	130.45335	130.34587	130.56083	0.11651	ug/L	08/18/10	22:50	
60296-7	Ti	6.89080	6.98871	6.79288	2.00951	ug/L	08/18/10	22:50	
60296-7	Tl	1.70564	0.37934	3.03193	109.96858	ug/L	08/18/10	22:50	
60296-7	V	0.35551	0.11168	0.59934	96.99260	ug/L	08/18/10	22:50	
60296-7	Zn	12.68840	12.85194	12.52486	1.82277	ug/L	08/18/10	22:50	
60296-7	2203/1	-3.26673	-2.74800	-3.78547	22.45672	ug/L	08/18/10	22:50	
60296-7	2203/2	0.01756	-0.42078	0.45592	3528.29980	ug/L	08/18/10	22:50	
60296-7	1960/1	-5.01946	-1.20206	-8.83685	107.55355	ug/L	08/18/10	22:50	
60296-7	1960/2	2.84023	1.65151	4.02895	59.18899	ug/L	08/18/10	22:50	
60296-7	Y	976.82922	976.21832	977.44006	0.08843		08/18/10	22:50	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60296-8	Ag	0.50316	0.62160	0.38472	33.28863	ug/L	08/18/10	22:56	
60296-8	Al	-34.34238	-37.45483	-31.22992	12.81702	ug/L	08/18/10	22:56	
60296-8	2Al	-0.03434	-0.03745	-0.03123	12.81702	mg/L	08/18/10	22:56	
60296-8	As	0.93782	1.87208	0.00356	140.88360	ug/L	08/18/10	22:56	
60296-8	B	-25.65220	-25.83986	-25.46453	1.03458	ug/L	08/18/10	22:56	
60296-8	Ba	0.10875	0.08943	0.12806	25.11926	ug/L	08/18/10	22:56	
60296-8	Be	0.11278	0.10862	0.11695	5.22263	ug/L	08/18/10	22:56	
60296-8	Ca	40.06474	40.78641	39.34306	2.54738	ug/L	08/18/10	22:56	
60296-8	Cd	-0.20956	-0.17878	-0.24033	20.76861	ug/L	08/18/10	22:56	
60296-8	Co	0.77882	0.48684	1.07080	53.01832	ug/L	08/18/10	22:56	
60296-8	Cr	0.25398	-0.00080	0.50877	141.87127	ug/L	08/18/10	22:56	
60296-8	Cu	0.51387	0.49754	0.53020	4.49477	ug/L	08/18/10	22:56	
60296-8	Fe	-12.75358	-13.54124	-11.96591	8.73419	ug/L	08/18/10	22:56	
60296-8	2Fe	-0.01275	-0.01353	-0.01196	8.73597	mg/L	08/18/10	22:56	
60296-8	K	1.78209	-4.01575	7.57994	460.09832	ug/L	08/18/10	22:56	
60296-8	Mg	2.46224	-0.00194	4.92643	141.53329	ug/L	08/18/10	22:56	
60296-8	2Mg	0.00246	0.00000	0.00492	141.39501	mg/L	08/18/10	22:56	
60296-8	Mn	0.09879	0.05734	0.14025	59.34394	ug/L	08/18/10	22:56	
60296-8	Mo	-2.95903	-1.70257	-4.21548	60.04983	ug/L	08/18/10	22:56	
60296-8	Na	174.75424	110.26525	239.24322	52.18825	ug/L	08/18/10	22:56	
60296-8	Ni	0.43793	-0.38730	1.26317	266.49462	ug/L	08/18/10	22:56	
60296-8	Pb	1.02699	0.79095	1.26303	32.50352	ug/L	08/18/10	22:56	
60296-8	Se	1.95897	0.88525	3.03268	77.51328	ug/L	08/18/10	22:56	
60296-8	Sb	-5.28130	-7.21152	-3.35108	51.68688	ug/L	08/18/10	22:56	
60296-8	Sn	2.37753	2.23533	2.51973	8.45832	ug/L	08/18/10	22:56	
60296-8	Sr	0.02097	0.01041	0.03153	71.20510	ug/L	08/18/10	22:56	
60296-8	Ti	0.06728	0.13461	-0.00004	141.52603	ug/L	08/18/10	22:56	
60296-8	Tl	0.45150	2.43869	-1.53569	622.43994	ug/L	08/18/10	22:56	
60296-8	V	0.03482	-0.48279	0.55243	2102.26879	ug/L	08/18/10	22:56	
60296-8	Zn	1.66142	1.81385	1.50898	12.97557	ug/L	08/18/10	22:56	
60296-8	2203/1	1.52654	0.53667	2.51641	91.70343	ug/L	08/18/10	22:56	
60296-8	2203/2	0.77759	0.91790	0.63728	25.51871	ug/L	08/18/10	22:56	
60296-8	1960/1	-0.90379	0.63455	-2.44215	240.71360	ug/L	08/18/10	22:56	
60296-8	1960/2	3.38820	1.01041	5.76600	99.24735	ug/L	08/18/10	22:56	
60296-8	Y	977.99322	979.44104	976.54541	0.20935		08/18/10	22:56	
CCV	Ag	492.04754	493.24017	490.85494	0.34277	ug/L	08/18/10	23:01	
CCV	Al	4963.94921	4967.44726	4960.45117	0.09965	ug/L	08/18/10	23:01	
CCV	2Al	4.96425	4.96787	4.96063	0.10307	mg/L	08/18/10	23:01	
CCV	As	496.90429	500.55938	493.24917	1.04026	ug/L	08/18/10	23:01	
CCV	B	4866.18847	4863.60400	4868.77343	0.07511	ug/L	08/18/10	23:01	
CCV	Ba	4935.60742	4941.62207	4929.59277	0.17233	ug/L	08/18/10	23:01	
CCV	Be	489.67535	490.19409	489.15658	0.14981	ug/L	08/18/10	23:01	
CCV	Ca	5139.37792	5146.13916	5132.61718	0.18604	ug/L	08/18/10	23:01	
CCV	Cd	483.19628	485.54724	480.84536	0.68806	ug/L	08/18/10	23:01	
CCV	Co	496.60485	496.84915	496.36056	0.06956	ug/L	08/18/10	23:01	
CCV	Cr	4916.15527	4922.12158	4910.18945	0.17162	ug/L	08/18/10	23:01	
CCV	Cu	4937.37011	4944.43261	4930.30761	0.20229	ug/L	08/18/10	23:01	
CCV	Fe	4937.36083	4944.48779	4930.23388	0.20413	ug/L	08/18/10	23:01	
CCV	2Fe	4.93738	4.94451	4.93025	0.20413	mg/L	08/18/10	23:01	
CCV	K	10231.34863	10246.40820	10216.28906	0.20815	ug/L	08/18/10	23:01	
CCV	Mg	5149.06787	5154.75683	5143.37890	0.15624	ug/L	08/18/10	23:01	
CCV	2Mg	5.14903	5.15472	5.14334	0.15625	mg/L	08/18/10	23:01	
CCV	Mn	4997.15283	5003.88964	4990.41601	0.19065	ug/L	08/18/10	23:01	
CCV	Mo	488.83984	487.88177	489.79791	0.27716	ug/L	08/18/10	23:01	
CCV	Na	7467.14599	7385.67089	7548.62109	1.54306	ug/L	08/18/10	23:01	
CCV	Ni	2474.98876	2480.88696	2469.09057	0.33702	ug/L	08/18/10	23:01	
CCV	Pb	501.19573	500.38830	502.00317	0.22783	ug/L	08/18/10	23:01	
CCV	Se	4900.02050	4909.47998	4890.56103	0.27301	ug/L	08/18/10	23:01	
CCV	Sb	491.43411	494.63040	488.23782	0.91980	ug/L	08/18/10	23:01	
CCV	Sn	5093.18066	5094.43457	5091.92675	0.03481	ug/L	08/18/10	23:01	
CCV	Sr	2414.69140	2418.89794	2410.48486	0.24636	ug/L	08/18/10	23:01	
CCV	Ti	491.85107	492.05459	491.64752	0.05852	ug/L	08/18/10	23:01	
CCV	Tl	4903.85449	4900.61425	4907.09423	0.09343	ug/L	08/18/10	23:01	
CCV	V	5154.42089	5160.94042	5147.90087	0.17888	ug/L	08/18/10	23:01	
CCV	Zn	2516.96386	2519.86889	2514.05908	0.16321	ug/L	08/18/10	23:01	
CCV	2203/1	510.37969	509.38497	511.37438	0.27562	ug/L	08/18/10	23:01	
CCV	2203/2	496.60586	495.89190	497.31982	0.20331	ug/L	08/18/10	23:01	
CCV	1960/1	5046.25097	5055.62646	5036.87500	0.26275	ug/L	08/18/10	23:01	
CCV	1960/2	4827.01464	4836.51611	4817.51367	0.27836	ug/L	08/18/10	23:01	
CCV	Y	980.17700	980.03747	980.31646	0.02012		08/18/10	23:01	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.23466	0.26566	0.20365	18.68312	ug/L	08/18/10	23:06	
CCB	Al	-30.18069	-26.79609	-33.56529	15.85964	ug/L	08/18/10	23:06	
CCB	2Al	-0.03018	-0.02679	-0.03356	15.85971	mg/L	08/18/10	23:06	
CCB	As	-0.27598	-2.43402	1.88204	1105.82141	ug/L	08/18/10	23:06	
CCB	B	12.38610	13.26808	11.50411	10.07029	ug/L	08/18/10	23:06	
CCB	Ba	0.87242	0.19241	1.55244	110.23026	ug/L	08/18/10	23:06	
CCB	Be	0.17236	0.09431	0.25041	64.04078	ug/L	08/18/10	23:06	
CCB	Ca	9.09547	7.51588	10.67506	24.56030	ug/L	08/18/10	23:06	
CCB	Cd	-0.15153	-0.28130	-0.02175	121.11705	ug/L	08/18/10	23:06	
CCB	Co	0.37014	0.25267	0.48761	44.88100	ug/L	08/18/10	23:06	
CCB	Cr	0.80044	0.17012	1.43076	111.36475	ug/L	08/18/10	23:06	
CCB	Cu	1.60421	0.82994	2.37847	68.25668	ug/L	08/18/10	23:06	
CCB	Fe	-11.87984	-13.51399	-10.24570	19.45333	ug/L	08/18/10	23:06	
CCB	2Fe	-0.01187	-0.01351	-0.01024	19.45551	mg/L	08/18/10	23:06	
CCB	K	3.58989	-4.55336	11.73315	320.79824	ug/L	08/18/10	23:06	
CCB	Mg	2.47256	4.93579	0.00932	140.88792	ug/L	08/18/10	23:06	
CCB	2Mg	0.00247	0.00493	0.00001	140.74687	mg/L	08/18/10	23:06	
CCB	Mn	0.82433	0.17356	1.47511	111.64489	ug/L	08/18/10	23:06	
CCB	Mo	-0.30689	-0.26624	-0.34753	18.72929	ug/L	08/18/10	23:06	
CCB	Na	74.58163	-55.18484	204.34811	246.06259	ug/L	08/18/10	23:06	
CCB	Ni	0.52189	0.29902	0.74476	60.39253	ug/L	08/18/10	23:06	
CCB	Pb	0.68565	0.69470	0.67660	1.86637	ug/L	08/18/10	23:06	
CCB	Se	2.28893	3.27794	1.29991	61.10604	ug/L	08/18/10	23:06	
CCB	Sb	-3.67343	-4.04945	-3.29741	14.47620	ug/L	08/18/10	23:06	
CCB	Sn	3.01449	2.09546	3.93353	43.11524	ug/L	08/18/10	23:06	
CCB	Sr	0.41745	0.08778	0.74713	111.68301	ug/L	08/18/10	23:06	
CCB	Ti	0.24015	0.26757	0.21272	16.15035	ug/L	08/18/10	23:06	
CCB	Tl	2.83855	0.84888	4.82821	99.12865	ug/L	08/18/10	23:06	
CCB	V	0.49415	-0.75891	1.74722	358.61300	ug/L	08/18/10	23:06	
CCB	Zn	0.84143	0.67831	1.00455	27.41530	ug/L	08/18/10	23:06	
CCB	2203/1	-1.37920	0.69424	-3.45266	212.60803	ug/L	08/18/10	23:06	
CCB	2203/2	1.71654	0.69493	2.73814	84.16754	ug/L	08/18/10	23:06	
CCB	1960/1	0.36881	4.09899	-3.36137	1430.34069	ug/L	08/18/10	23:06	
CCB	1960/2	3.24754	2.86802	3.62706	16.52699	ug/L	08/18/10	23:06	
CCB	Y	970.48962	974.68872	966.29046	0.61190		08/18/10	23:06	
PBW 177399	Ag	0.95230	0.50333	1.40126	66.67297	ug/L	08/18/10	23:11	
PBW 177399	Al	-14.71904	-12.15739	-17.28069	24.61249	ug/L	08/18/10	23:11	
PBW 177399	2Al	-0.01472	-0.01215	-0.01728	24.61241	mg/L	08/18/10	23:11	
PBW 177399	As	0.37924	-1.52921	2.28770	711.67004	ug/L	08/18/10	23:11	
PBW 177399	B	-9.88621	-8.69895	-11.07347	16.98367	ug/L	08/18/10	23:11	
PBW 177399	Ba	0.61501	0.64862	0.58140	7.72847	ug/L	08/18/10	23:11	
PBW 177399	Be	0.12494	0.11799	0.13189	7.86827	ug/L	08/18/10	23:11	
PBW 177399	Ca	400.64337	400.27072	401.01599	0.13153	ug/L	08/18/10	23:11	
PBW 177399	Cd	-0.22002	0.01253	-0.45258	149.47811	ug/L	08/18/10	23:11	
PBW 177399	Co	0.16697	0.48357	-0.14963	268.15951	ug/L	08/18/10	23:11	
PBW 177399	Cr	0.74654	1.09162	0.40146	65.37068	ug/L	08/18/10	23:11	
PBW 177399	Cu	1.64316	2.13177	1.15455	42.05318	ug/L	08/18/10	23:11	
PBW 177399	Fe	51.69374	55.83843	47.54904	11.33886	ug/L	08/18/10	23:11	
PBW 177399	2Fe	0.05168	0.05583	0.04754	11.33922	mg/L	08/18/10	23:11	
PBW 177399	K	23.76891	24.90361	22.63421	6.75127	ug/L	08/18/10	23:11	
PBW 177399	Mg	9.98343	10.00450	9.96237	0.29838	ug/L	08/18/10	23:11	
PBW 177399	2Mg	0.00997	0.00999	0.00995	0.28816	mg/L	08/18/10	23:11	
PBW 177399	Mn	0.88447	0.86151	0.90742	3.67015	ug/L	08/18/10	23:11	
PBW 177399	Mo	-1.52645	-1.61756	-1.43535	8.44087	ug/L	08/18/10	23:11	
PBW 177399	Na	204.05192	185.89337	222.21047	12.58506	ug/L	08/18/10	23:11	
PBW 177399	Ni	-0.37860	-0.69088	-0.06631	116.64994	ug/L	08/18/10	23:11	
PBW 177399	Pb	2.93394	2.81012	3.05776	5.96815	ug/L	08/18/10	23:11	
PBW 177399	Se	1.26941	2.30815	0.23066	115.72376	ug/L	08/18/10	23:11	
PBW 177399	Sb	-5.93572	-1.29830	-10.57313	110.48854	ug/L	08/18/10	23:11	
PBW 177399	Sn	18.92529	21.02519	16.82539	15.69171	ug/L	08/18/10	23:11	
PBW 177399	Sr	5.26808	5.30731	5.22885	1.05311	ug/L	08/18/10	23:11	
PBW 177399	Ti	0.37878	0.56860	0.18896	70.87120	ug/L	08/18/10	23:11	
PBW 177399	Tl	1.15595	2.82271	-0.51080	203.91404	ug/L	08/18/10	23:11	
PBW 177399	V	0.49320	0.84494	0.14147	100.85485	ug/L	08/18/10	23:11	
PBW 177399	Zn	10.78922	10.81266	10.76578	0.30724	ug/L	08/18/10	23:11	
PBW 177399	2203/1	1.96102	1.93857	1.98347	1.61900	ug/L	08/18/10	23:11	
PBW 177399	2203/2	3.41967	3.24525	3.59410	7.21329	ug/L	08/18/10	23:11	
PBW 177399	1960/1	-2.48342	-2.60738	-2.35947	7.05879	ug/L	08/18/10	23:11	
PBW 177399	1960/2	3.14301	4.76224	1.52379	72.85777	ug/L	08/18/10	23:11	
PBW 177399	Y	965.50646	963.51989	967.49298	0.29097		08/18/10	23:11	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSS-1	Ag	52.59535	52.46389	52.72681	0.35347	ug/L	08/18/10	23:17	
LCSS-1	Al	2098.87377	2095.11596	2102.63159	0.25320	ug/L	08/18/10	23:17	
LCSS-1	2Al	2.09894	2.09506	2.10282	0.26140	mg/L	08/18/10	23:17	
LCSS-1	As	2055.86523	2058.74438	2052.98583	0.19806	ug/L	08/18/10	23:17	
LCSS-1	B	1000.30212	998.19543	1002.40887	0.29784	ug/L	08/18/10	23:17	
LCSS-1	Ba	2120.27978	2116.74121	2123.81835	0.23602	ug/L	08/18/10	23:17	
LCSS-1	Be	51.90627	51.91801	51.89453	0.03197	ug/L	08/18/10	23:17	
LCSS-1	Ca	5400.48242	5403.96093	5397.00390	0.09109	ug/L	08/18/10	23:17	
LCSS-1	Cd	51.05323	50.96397	51.14250	0.24726	ug/L	08/18/10	23:17	
LCSS-1	Co	529.48681	530.81323	528.16033	0.35428	ug/L	08/18/10	23:17	
LCSS-1	Cr	211.51263	211.99673	211.02854	0.32367	ug/L	08/18/10	23:17	
LCSS-1	Cu	263.21704	262.90344	263.53060	0.16848	ug/L	08/18/10	23:17	
LCSS-1	Fe	1069.05029	1059.35095	1078.74951	1.28308	ug/L	08/18/10	23:17	
LCSS-1	2Fe	1.06913	1.05944	1.07883	1.28277	mg/L	08/18/10	23:17	
LCSS-1	K	5008.95410	5014.44042	5003.46777	0.15489	ug/L	08/18/10	23:17	
LCSS-1	Mg	5336.80957	5339.50292	5334.11621	0.07137	ug/L	08/18/10	23:17	
LCSS-1	2Mg	5.33536	5.33805	5.33266	0.07141	mg/L	08/18/10	23:17	
LCSS-1	Mn	535.96032	535.84490	536.07574	0.03045	ug/L	08/18/10	23:17	
LCSS-1	Mo	506.68811	504.85537	508.52087	0.51153	ug/L	08/18/10	23:17	
LCSS-1	Na	5190.92480	5165.47460	5216.37451	0.69335	ug/L	08/18/10	23:17	
LCSS-1	Ni	522.65100	523.06140	522.24066	0.11103	ug/L	08/18/10	23:17	
LCSS-1	Pb	525.88146	525.00970	526.75329	0.23444	ug/L	08/18/10	23:17	
LCSS-1	Se	2035.43798	2030.67517	2040.20080	0.33091	ug/L	08/18/10	23:17	
LCSS-1	Sb	508.81756	507.92068	509.71444	0.24928	ug/L	08/18/10	23:17	
LCSS-1	Sn	1064.30322	1066.02062	1062.58593	0.22819	ug/L	08/18/10	23:17	
LCSS-1	Sr	513.20245	512.68109	513.72381	0.14366	ug/L	08/18/10	23:17	
LCSS-1	Ti	724.19342	723.73278	724.65405	0.08995	ug/L	08/18/10	23:17	
LCSS-1	Tl	2116.42675	2114.29907	2118.55468	0.14218	ug/L	08/18/10	23:17	
LCSS-1	V	543.84533	543.13903	544.55163	0.18366	ug/L	08/18/10	23:17	
LCSS-1	Zn	538.32250	538.32476	538.32019	0.00060	ug/L	08/18/10	23:17	
LCSS-1	2203/1	537.49267	537.35125	537.63409	0.03720	ug/L	08/18/10	23:17	
LCSS-1	2203/2	520.08459	518.84814	521.32104	0.33621	ug/L	08/18/10	23:17	
LCSS-1	1960/1	2093.61499	2090.17016	2097.05981	0.23269	ug/L	08/18/10	23:17	
LCSS-1	1960/2	2006.39233	2000.97155	2011.81323	0.38208	ug/L	08/18/10	23:17	
LCSS-1	Y	962.81768	964.13562	961.49975	0.19358		08/18/10	23:17	
60144-1	Ag	1.24572	1.86916	0.62227	70.77697	ug/L	08/18/10	23:22	
60144-1	Al	99387.54687	99365.54687	99409.54687	0.03130	ug/L	08/18/10	23:22	
60144-1	2Al	99.39108	99.37173	99.41043	0.02753	mg/L	08/18/10	23:22	
60144-1	As	38.27205	37.65145	38.89265	2.29320	ug/L	08/18/10	23:22	
60144-1	B	313.31915	314.10714	312.53118	0.35566	ug/L	08/18/10	23:22	
60144-1	Ba	448.66912	448.05938	449.27883	0.19218	ug/L	08/18/10	23:22	
60144-1	Be	6.74013	6.73606	6.74421	0.08554	ug/L	08/18/10	23:22	
60144-1	Ca	1013233.00000	1012141.50000	1014324.50000	0.15234	ug/L	08/18/10	23:22	
60144-1	Cd	3.42923	3.63280	3.22565	8.39541	ug/L	08/18/10	23:22	
60144-1	Co	32.14382	32.46263	31.82501	1.40265	ug/L	08/18/10	23:22	
60144-1	Cr	349.38208	348.62213	350.14205	0.30761	ug/L	08/18/10	23:22	
60144-1	Cu	60.00173	60.11127	59.89220	0.25816	ug/L	08/18/10	23:22	
60144-1	Fe	141963.45312	141808.43750	142118.46875	0.15442	ug/L	08/18/10	23:22	
60144-1	2Fe	141.93830	141.78729	142.08932	0.15046	mg/L	08/18/10	23:22	
60144-1	K	48963.14062	49014.61718	48911.66406	0.14868	ug/L	08/18/10	23:22	
60144-1	Mg	32044.34960	32006.59765	32082.10156	0.16661	ug/L	08/18/10	23:22	
60144-1	2Mg	32.01095	31.97323	32.04867	0.16662	mg/L	08/18/10	23:22	
60144-1	Mn	1329.30249	1328.45019	1330.15466	0.09066	ug/L	08/18/10	23:22	
60144-1	Mo	1.84490	3.77525	-0.08544	147.97106	ug/L	08/18/10	23:22	
60144-1	Na	1583.86450	1508.38427	1659.34460	6.73953	ug/L	08/18/10	23:22	
60144-1	Ni	81.96603	81.41426	82.51779	0.95199	ug/L	08/18/10	23:22	
60144-1	Pb	160.48275	160.10293	160.86259	0.33471	ug/L	08/18/10	23:22	
60144-1	Se	1.91135	3.17655	0.64616	93.61142	ug/L	08/18/10	23:22	
60144-1	Sb	-1.17121	-0.52563	-1.81679	77.95263	ug/L	08/18/10	23:22	
60144-1	Sn	17.35334	19.94939	14.75729	21.15654	ug/L	08/18/10	23:22	
60144-1	Sr	902.05395	899.73791	904.37005	0.36310	ug/L	08/18/10	23:22	
60144-1	Ti	635.10736	633.61614	636.59857	0.33205	ug/L	08/18/10	23:22	
60144-1	Tl	-6.73447	-13.90147	0.43253	150.50437	ug/L	08/18/10	23:22	
60144-1	V	248.03463	247.68054	248.38871	0.20188	ug/L	08/18/10	23:22	
60144-1	Zn	405.43511	405.40457	405.46569	0.01066	ug/L	08/18/10	23:22	
60144-1	2203/1	163.21862	160.88104	165.55619	2.02540	ug/L	08/18/10	23:22	
60144-1	2203/2	159.11688	159.71446	158.51930	0.53112	ug/L	08/18/10	23:22	
60144-1	1960/1	0.40211	0.47172	0.33251	24.47833	ug/L	08/18/10	23:22	
60144-1	1960/2	2.66484	4.52693	0.80275	98.81961	ug/L	08/18/10	23:22	
60144-1	Y	974.57812	975.27557	973.88067	0.10120		08/18/10	23:22	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60144-1S	Ag	51.20652	51.35247	51.06057	0.40307	ug/L	08/18/10	23:27	
60144-1S	Al	106737.00000	106636.77343	106837.21875	0.13279	ug/L	08/18/10	23:27	
60144-1S	2Al	106.74234	106.63935	106.84531	0.13643	mg/L	08/18/10	23:27	
60144-1S	As	1945.00732	1946.98828	1943.02648	0.14403	ug/L	08/18/10	23:27	
60144-1S	B	1277.21875	1276.92358	1277.51403	0.03268	ug/L	08/18/10	23:27	
60144-1S	Ba	2317.89208	2318.91967	2316.86474	0.06268	ug/L	08/18/10	23:27	
60144-1S	Be	53.23186	53.25433	53.20938	0.05971	ug/L	08/18/10	23:27	
60144-1S	Ca	914094.50000	914124.87500	914064.12500	0.00469	ug/L	08/18/10	23:27	
60144-1S	Cd	47.46430	47.78233	47.14627	0.94758	ug/L	08/18/10	23:27	
60144-1S	Co	492.64349	493.59313	491.69381	0.27261	ug/L	08/18/10	23:27	
60144-1S	Cr	547.17028	546.68103	547.65954	0.12645	ug/L	08/18/10	23:27	
60144-1S	Cu	302.07553	302.27621	301.87484	0.09395	ug/L	08/18/10	23:27	
60144-1S	Fe	144759.96875	144656.25000	144863.70312	0.10133	ug/L	08/18/10	23:27	
60144-1S	2Fe	144.73629	144.62863	144.84396	0.10520	mg/L	08/18/10	23:27	
60144-1S	K	55451.79687	55473.16406	55430.42578	0.05449	ug/L	08/18/10	23:27	
60144-1S	Mg	37205.94531	37193.14062	37218.74609	0.04866	ug/L	08/18/10	23:27	
60144-1S	2Mg	37.17078	37.15800	37.18356	0.04862	mg/L	08/18/10	23:27	
60144-1S	Mn	1738.95288	1739.04553	1738.86022	0.00753	ug/L	08/18/10	23:27	
60144-1S	Mo	452.88189	450.14410	455.61968	0.85493	ug/L	08/18/10	23:27	
60144-1S	Na	6620.73681	6503.26025	6738.21337	2.50934	ug/L	08/18/10	23:27	
60144-1S	Ni	532.57434	534.09301	531.05572	0.40326	ug/L	08/18/10	23:27	
60144-1S	Pb	630.79199	628.62445	632.95953	0.48595	ug/L	08/18/10	23:27	
60144-1S	Se	1903.01196	1898.27758	1907.74633	0.35183	ug/L	08/18/10	23:27	
60144-1S	Sb	376.55148	379.17233	373.93063	0.98431	ug/L	08/18/10	23:27	
60144-1S	Sn	981.40667	977.74865	985.06469	0.52712	ug/L	08/18/10	23:27	
60144-1S	Sr	1297.63232	1298.95556	1296.30920	0.14420	ug/L	08/18/10	23:27	
60144-1S	Ti	1236.91638	1236.43981	1237.39294	0.05448	ug/L	08/18/10	23:27	
60144-1S	Tl	1915.81640	1910.77648	1920.85620	0.37203	ug/L	08/18/10	23:27	
60144-1S	V	739.32763	739.67413	738.98107	0.06628	ug/L	08/18/10	23:27	
60144-1S	Zn	862.39764	862.55255	862.24273	0.02540	ug/L	08/18/10	23:27	
60144-1S	2203/1	641.27661	638.43829	644.11486	0.62593	ug/L	08/18/10	23:27	
60144-1S	2203/2	625.55755	623.72491	627.39019	0.41430	ug/L	08/18/10	23:27	
60144-1S	1960/1	1965.76806	1968.00952	1963.52661	0.16125	ug/L	08/18/10	23:27	
60144-1S	1960/2	1871.68103	1863.46398	1879.89807	0.62086	ug/L	08/18/10	23:27	
60144-1S	Y	979.47473	980.65313	978.29626	0.17014		08/18/10	23:27	
60144-1SD	Ag	51.55586	51.72070	51.39102	0.45216	ug/L	08/18/10	23:33	
60144-1SD	Al	104992.84375	105046.83593	104938.85937	0.07272	ug/L	08/18/10	23:33	
60144-1SD	2Al	104.99720	105.05477	104.93964	0.07753	mg/L	08/18/10	23:33	
60144-1SD	As	1944.92492	1945.16748	1944.68237	0.01763	ug/L	08/18/10	23:33	
60144-1SD	B	1249.30419	1247.67175	1250.93676	0.18479	ug/L	08/18/10	23:33	
60144-1SD	Ba	2335.82519	2338.30004	2333.35058	0.14983	ug/L	08/18/10	23:33	
60144-1SD	Be	52.90919	52.95906	52.85932	0.13330	ug/L	08/18/10	23:33	
60144-1SD	Ca	920858.56250	921231.25000	920485.87500	0.05723	ug/L	08/18/10	23:33	
60144-1SD	Cd	47.63576	47.60162	47.66991	0.10136	ug/L	08/18/10	23:33	
60144-1SD	Co	493.17492	494.10079	492.24905	0.26550	ug/L	08/18/10	23:33	
60144-1SD	Cr	535.27307	535.90771	534.63848	0.16766	ug/L	08/18/10	23:33	
60144-1SD	Cu	305.71459	306.02172	305.40747	0.14207	ug/L	08/18/10	23:33	
60144-1SD	Fe	140046.57812	140211.90625	139881.25000	0.16695	ug/L	08/18/10	23:33	
60144-1SD	2Fe	140.02273	140.19277	139.85269	0.17174	mg/L	08/18/10	23:33	
60144-1SD	K	53758.10546	53844.47265	53671.73828	0.22720	ug/L	08/18/10	23:33	
60144-1SD	Mg	36211.21093	36243.36328	36179.05859	0.12556	ug/L	08/18/10	23:33	
60144-1SD	2Mg	36.17720	36.20931	36.14508	0.12554	mg/L	08/18/10	23:33	
60144-1SD	Mn	1816.17407	1817.97326	1814.37475	0.14010	ug/L	08/18/10	23:33	
60144-1SD	Mo	435.82275	433.74899	437.89648	0.67291	ug/L	08/18/10	23:33	
60144-1SD	Na	6592.12304	6713.31982	6470.92578	2.60004	ug/L	08/18/10	23:33	
60144-1SD	Ni	528.17407	527.23242	529.11578	0.25213	ug/L	08/18/10	23:33	
60144-1SD	Pb	645.71844	645.71917	645.71771	0.00016	ug/L	08/18/10	23:33	
60144-1SD	Se	1899.56665	1907.67944	1891.45385	0.60399	ug/L	08/18/10	23:33	
60144-1SD	Sb	279.65765	281.96661	277.34872	1.16762	ug/L	08/18/10	23:33	
60144-1SD	Sn	982.43426	984.52038	980.34814	0.30029	ug/L	08/18/10	23:33	
60144-1SD	Sr	1307.47070	1308.71325	1306.22802	0.13440	ug/L	08/18/10	23:33	
60144-1SD	Ti	1094.90954	1095.72863	1094.09045	0.10579	ug/L	08/18/10	23:33	
60144-1SD	Tl	1920.98547	1922.12426	1919.84667	0.08383	ug/L	08/18/10	23:33	
60144-1SD	V	726.56628	727.33386	725.79870	0.14940	ug/L	08/18/10	23:33	
60144-1SD	Zn	873.84594	874.76922	872.92260	0.14942	ug/L	08/18/10	23:33	
60144-1SD	2203/1	657.18115	656.12683	658.23553	0.22689	ug/L	08/18/10	23:33	
60144-1SD	2203/2	639.99572	640.52319	639.46820	0.11656	ug/L	08/18/10	23:33	
60144-1SD	1960/1	1956.88342	1971.59790	1942.16894	1.06339	ug/L	08/18/10	23:33	
60144-1SD	1960/2	1870.95129	1875.76818	1866.13439	0.36409	ug/L	08/18/10	23:33	
60144-1SD	Y	984.12115	983.77966	984.46264	0.04907		08/18/10	23:33	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60144-2	Ag	1.43606	1.21876	1.65336	21.39925	ug/L	08/18/10	23:38	
60144-2	Al	80549.69531	79882.10156	81217.28906	1.17209	ug/L	08/18/10	23:38	
60144-2	2Al	80.55273	79.88645	81.21901	1.16975	mg/L	08/18/10	23:38	
60144-2	As	57.30591	58.28565	56.32617	2.41783	ug/L	08/18/10	23:38	
60144-2	B	278.59558	276.41098	280.78018	1.10895	ug/L	08/18/10	23:38	
60144-2	Ba	419.90582	416.43835	423.37332	1.16782	ug/L	08/18/10	23:38	
60144-2	Be	5.79219	5.76566	5.81872	0.64777	ug/L	08/18/10	23:38	
60144-2	Ca	1994483.50000	1976500.25000	2012466.75000	1.27512	ug/L	08/18/10	23:38	
60144-2	Cd	9.34993	9.15914	9.54072	2.88575	ug/L	08/18/10	23:38	
60144-2	Co	44.71466	44.10092	45.32840	1.94109	ug/L	08/18/10	23:38	
60144-2	Cr	297.45935	294.77853	300.14019	1.27455	ug/L	08/18/10	23:38	
60144-2	Cu	85.40470	84.88343	85.92598	0.86317	ug/L	08/18/10	23:38	
60144-2	Fe	126577.84375	125496.37500	127659.31250	1.20829	ug/L	08/18/10	23:38	
60144-2	2Fe	126.55538	125.47571	127.63504	1.20649	mg/L	08/18/10	23:38	
60144-2	K	48678.26562	48334.59375	49021.93750	0.99844	ug/L	08/18/10	23:38	
60144-2	Mg	29224.70507	28973.69531	29475.71484	1.21466	ug/L	08/18/10	23:38	
60144-2	2Mg	29.19503	28.94428	29.44579	1.21466	mg/L	08/18/10	23:38	
60144-2	Mn	1822.86157	1807.75585	1837.96728	1.17193	ug/L	08/18/10	23:38	
60144-2	Mo	1.11895	-0.26262	2.50054	174.61381	ug/L	08/18/10	23:38	
60144-2	Na	2392.74145	2449.08276	2336.40014	3.33001	ug/L	08/18/10	23:38	
60144-2	Ni	82.08068	81.75713	82.40424	0.55747	ug/L	08/18/10	23:38	
60144-2	Pb	167.25556	166.27073	168.24040	0.83271	ug/L	08/18/10	23:38	
60144-2	Se	-0.21248	0.05340	-0.47837	176.96524	ug/L	08/18/10	23:38	
60144-2	Sb	1.98631	1.23171	2.74092	53.72601	ug/L	08/18/10	23:38	
60144-2	Sn	22.70620	22.05745	23.35495	4.04061	ug/L	08/18/10	23:38	
60144-2	Sr	1260.42761	1252.22485	1268.63037	0.92035	ug/L	08/18/10	23:38	
60144-2	Ti	552.76489	547.85772	557.67199	1.25545	ug/L	08/18/10	23:38	
60144-2	Tl	2.23075	-0.36298	4.82449	164.43289	ug/L	08/18/10	23:38	
60144-2	V	264.38104	262.34097	266.42108	1.09125	ug/L	08/18/10	23:38	
60144-2	Zn	300.67156	297.97268	303.37042	1.26941	ug/L	08/18/10	23:38	
60144-2	2203/1	168.52885	167.27964	169.77806	1.04827	ug/L	08/18/10	23:38	
60144-2	2203/2	166.61988	165.76704	167.47273	0.72386	ug/L	08/18/10	23:38	
60144-2	1960/1	-5.53513	-6.53971	-4.53055	25.66683	ug/L	08/18/10	23:38	
60144-2	1960/2	2.44485	3.34502	1.54468	52.06994	ug/L	08/18/10	23:38	
60144-2	Y	964.13562	971.42755	956.84362	1.06959		08/18/10	23:38	
60144-3	Ag	3.43852	2.98962	3.88741	18.46237	ug/L	08/18/10	23:43	
60144-3	Al	132935.01562	132979.98437	132890.04687	0.04783	ug/L	08/18/10	23:43	
60144-3	2Al	132.93717	132.98115	132.89320	0.04678	mg/L	08/18/10	23:43	
60144-3	As	45.18710	40.93523	49.43896	13.30700	ug/L	08/18/10	23:43	
60144-3	B	237.11990	236.99485	237.24496	0.07458	ug/L	08/18/10	23:43	
60144-3	Ba	711.49792	711.71343	711.28247	0.04283	ug/L	08/18/10	23:43	
60144-3	Be	7.07382	7.09007	7.05756	0.32491	ug/L	08/18/10	23:43	
60144-3	Ca	1143740.00000	1147123.75000	1140356.12500	0.41840	ug/L	08/18/10	23:43	
60144-3	Cd	5.49721	5.21312	5.78129	7.30833	ug/L	08/18/10	23:43	
60144-3	Co	46.14873	46.42694	45.87052	0.85255	ug/L	08/18/10	23:43	
60144-3	Cr	306.82095	307.41421	306.22769	0.27344	ug/L	08/18/10	23:43	
60144-3	Cu	87.44445	87.75881	87.13009	0.50840	ug/L	08/18/10	23:43	
60144-3	Fe	149359.37500	149453.57812	149265.17187	0.08919	ug/L	08/18/10	23:43	
60144-3	2Fe	149.32992	149.42327	149.23655	0.08841	mg/L	08/18/10	23:43	
60144-3	K	47387.32812	47404.22656	47370.42578	0.05043	ug/L	08/18/10	23:43	
60144-3	Mg	37466.29687	37501.44140	37431.14843	0.13266	ug/L	08/18/10	23:43	
60144-3	2Mg	37.43037	37.46549	37.39524	0.13269	mg/L	08/18/10	23:43	
60144-3	Mn	1980.71044	1983.03100	1978.39001	0.16568	ug/L	08/18/10	23:43	
60144-3	Mo	1.85798	0.67320	3.04277	90.18052	ug/L	08/18/10	23:43	
60144-3	Na	1628.34033	1781.15600	1475.52478	13.27203	ug/L	08/18/10	23:43	
60144-3	Ni	102.98120	102.91316	103.04924	0.09343	ug/L	08/18/10	23:43	
60144-3	Pb	289.21041	291.13998	287.28085	0.94354	ug/L	08/18/10	23:43	
60144-3	Se	5.16055	6.60707	3.71404	39.64073	ug/L	08/18/10	23:43	
60144-3	Sb	-0.35817	0.78699	-1.50334	452.15783	ug/L	08/18/10	23:43	
60144-3	Sn	17.88738	20.70698	15.06777	22.29236	ug/L	08/18/10	23:43	
60144-3	Sr	1122.25976	1126.18750	1118.33203	0.49495	ug/L	08/18/10	23:43	
60144-3	Ti	551.26983	551.81799	550.72167	0.14062	ug/L	08/18/10	23:43	
60144-3	Tl	2.74564	6.30189	-0.81060	183.17376	ug/L	08/18/10	23:43	
60144-3	V	300.98303	301.08343	300.88259	0.04718	ug/L	08/18/10	23:43	
60144-3	Zn	504.56884	505.29052	503.84716	0.20227	ug/L	08/18/10	23:43	
60144-3	2203/1	292.43499	293.11853	291.75149	0.33054	ug/L	08/18/10	23:43	
60144-3	2203/2	287.60052	290.15219	285.04885	1.25472	ug/L	08/18/10	23:43	
60144-3	1960/1	-0.18536	2.77030	-3.14103	2254.98242	ug/L	08/18/10	23:43	
60144-3	1960/2	7.82950	8.52258	7.13643	12.51866	ug/L	08/18/10	23:43	
60144-3	Y	956.72338	955.05432	958.39245	0.24671		08/18/10	23:43	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60144-4	Ag	0.85487	0.79552	0.91422	9.81776	ug/L	08/18/10	23:49	
60144-4	Al	67854.71093	67807.14843	67902.27343	0.09912	ug/L	08/18/10	23:49	
60144-4	2Al	67.85633	67.80664	67.90602	0.10356	mg/L	08/18/10	23:49	
60144-4	As	46.70215	46.07996	47.32434	1.88409	ug/L	08/18/10	23:49	
60144-4	B	173.38702	173.21362	173.56042	0.14143	ug/L	08/18/10	23:49	
60144-4	Ba	410.74377	410.62286	410.86465	0.04162	ug/L	08/18/10	23:49	
60144-4	Be	4.52913	4.52628	4.53197	0.08892	ug/L	08/18/10	23:49	
60144-4	Ca	1390219.00000	1388985.50000	1391452.50000	0.12547	ug/L	08/18/10	23:49	
60144-4	Cd	2.41706	2.79487	2.03926	22.10495	ug/L	08/18/10	23:49	
60144-4	Co	31.79246	31.99408	31.59084	0.89684	ug/L	08/18/10	23:49	
60144-4	Cr	188.28923	187.89913	188.67932	0.29299	ug/L	08/18/10	23:49	
60144-4	Cu	55.67271	55.95846	55.38697	0.72586	ug/L	08/18/10	23:49	
60144-4	Fe	99426.96093	99372.84375	99481.07812	0.07697	ug/L	08/18/10	23:49	
60144-4	2Fe	99.40810	99.35086	99.46533	0.08142	mg/L	08/18/10	23:49	
60144-4	K	30105.59179	30105.99609	30105.18750	0.00189	ug/L	08/18/10	23:49	
60144-4	Mg	23585.76171	23567.55664	23603.96875	0.10916	ug/L	08/18/10	23:49	
60144-4	2Mg	23.56232	23.54413	23.58052	0.10919	mg/L	08/18/10	23:49	
60144-4	Mn	1535.02990	1533.80529	1536.25451	0.11282	ug/L	08/18/10	23:49	
60144-4	Mo	1.44572	1.48382	1.40761	3.72754	ug/L	08/18/10	23:49	
60144-4	Na	2357.18945	2261.52197	2452.85717	5.73964	ug/L	08/18/10	23:49	
60144-4	Ni	65.11067	64.91734	65.30399	0.41990	ug/L	08/18/10	23:49	
60144-4	Pb	98.87330	99.00730	98.73930	0.19166	ug/L	08/18/10	23:49	
60144-4	Se	2.66344	2.83109	2.49580	8.90162	ug/L	08/18/10	23:49	
60144-4	Sb	-2.04888	-2.46031	-1.63745	28.39865	ug/L	08/18/10	23:49	
60144-4	Sn	18.22479	19.02517	17.42440	6.21084	ug/L	08/18/10	23:49	
60144-4	Sr	1303.39965	1303.38977	1303.40954	0.00107	ug/L	08/18/10	23:49	
60144-4	Ti	389.04254	388.79077	389.29434	0.09152	ug/L	08/18/10	23:49	
60144-4	Tl	-6.72150	-2.17374	-11.26926	95.68547	ug/L	08/18/10	23:49	
60144-4	V	225.64724	225.79397	225.50050	0.09196	ug/L	08/18/10	23:49	
60144-4	Zn	282.08905	281.66802	282.51004	0.21106	ug/L	08/18/10	23:49	
60144-4	2203/1	99.28160	100.52997	98.03322	1.77824	ug/L	08/18/10	23:49	
60144-4	2203/2	98.66945	98.24710	99.09181	0.60535	ug/L	08/18/10	23:49	
60144-4	1960/1	-1.38063	-3.87995	1.11869	256.01156	ug/L	08/18/10	23:49	
60144-4	1960/2	4.68245	6.18159	3.18332	45.27741	ug/L	08/18/10	23:49	
60144-4	Y	988.86865	991.06201	986.67529	0.31367		08/18/10	23:49	
60144-5	Ag	1.29475	1.11230	1.47720	19.92863	ug/L	08/18/10	23:54	
60144-5	Al	152258.15625	152323.23437	152193.09375	0.06043	ug/L	08/18/10	23:54	
60144-5	2Al	152.26971	152.33578	152.20364	0.06136	mg/L	08/18/10	23:54	
60144-5	As	52.74149	55.24987	50.23311	6.72598	ug/L	08/18/10	23:54	
60144-5	B	166.91156	168.20606	165.61705	1.09681	ug/L	08/18/10	23:54	
60144-5	Ba	699.19165	699.38104	699.00225	0.03830	ug/L	08/18/10	23:54	
60144-5	Be	6.59009	6.59691	6.58328	0.14630	ug/L	08/18/10	23:54	
60144-5	Ca	1098030.25000	1098336.62500	1097723.87500	0.03945	ug/L	08/18/10	23:54	
60144-5	Cd	3.20653	3.19939	3.21367	0.31491	ug/L	08/18/10	23:54	
60144-5	Co	42.33731	41.92122	42.75340	1.38989	ug/L	08/18/10	23:54	
60144-5	Cr	222.62829	223.11752	222.13906	0.31077	ug/L	08/18/10	23:54	
60144-5	Cu	65.28605	65.14101	65.43110	0.31419	ug/L	08/18/10	23:54	
60144-5	Fe	159515.89062	159526.89062	159504.89062	0.00975	ug/L	08/18/10	23:54	
60144-5	2Fe	159.49325	159.50506	159.48144	0.01047	mg/L	08/18/10	23:54	
60144-5	K	45515.60156	45531.80468	45499.40234	0.05033	ug/L	08/18/10	23:54	
60144-5	Mg	38445.12500	38446.85937	38443.39062	0.00637	ug/L	08/18/10	23:54	
60144-5	2Mg	38.40724	38.40897	38.40550	0.00638	mg/L	08/18/10	23:54	
60144-5	Mn	2219.44238	2219.69360	2219.19140	0.01599	ug/L	08/18/10	23:54	
60144-5	Mo	0.49670	-0.79212	1.78553	366.95364	ug/L	08/18/10	23:54	
60144-5	Na	1401.61865	1373.48779	1429.74951	2.83836	ug/L	08/18/10	23:54	
60144-5	Ni	106.75224	105.69481	107.80967	1.40084	ug/L	08/18/10	23:54	
60144-5	Pb	93.48564	92.91393	94.05736	0.86486	ug/L	08/18/10	23:54	
60144-5	Se	2.98063	2.13975	3.82151	39.89703	ug/L	08/18/10	23:54	
60144-5	Sb	1.36155	0.25202	2.47107	115.24362	ug/L	08/18/10	23:54	
60144-5	Sn	16.06652	15.85232	16.28072	1.88543	ug/L	08/18/10	23:54	
60144-5	Sr	1042.91503	1042.28356	1043.54638	0.08562	ug/L	08/18/10	23:54	
60144-5	Ti	640.71545	640.59606	640.83489	0.02635	ug/L	08/18/10	23:54	
60144-5	Tl	-2.39694	-0.45227	-4.34162	114.73713	ug/L	08/18/10	23:54	
60144-5	V	362.65441	362.67330	362.63555	0.00736	ug/L	08/18/10	23:54	
60144-5	Zn	364.35003	363.74508	364.95498	0.23480	ug/L	08/18/10	23:54	
60144-5	2203/1	93.92015	92.49079	95.34950	2.15226	ug/L	08/18/10	23:54	
60144-5	2203/2	93.26872	93.12518	93.41226	0.21764	ug/L	08/18/10	23:54	
60144-5	1960/1	0.53099	1.82659	-0.76461	345.06314	ug/L	08/18/10	23:54	
60144-5	1960/2	4.20361	2.29609	6.11113	64.17430	ug/L	08/18/10	23:54	
60144-5	Y	951.28332	951.05242	951.51416	0.03432		08/18/10	23:54	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60144-6	Ag	0.47354	0.50333	0.44374	8.89953	ug/L	08/18/10	23:59	
60144-6	Al	111900.46875	111840.46093	111960.48437	0.07584	ug/L	08/18/10	23:59	
60144-6	2Al	111.89859	111.83730	111.95988	0.07746	mg/L	08/18/10	23:59	
60144-6	As	41.68527	41.55530	41.81525	0.44095	ug/L	08/18/10	23:59	
60144-6	B	275.89501	274.66381	277.12625	0.63111	ug/L	08/18/10	23:59	
60144-6	Ba	487.04840	486.69378	487.40298	0.10296	ug/L	08/18/10	23:59	
60144-6	Be	6.58439	6.59544	6.57333	0.23748	ug/L	08/18/10	23:59	
60144-6	Ca	1510430.00000	1509054.25000	1511805.75000	0.12881	ug/L	08/18/10	23:59	
60144-6	Cd	3.85759	3.57472	4.14047	10.37045	ug/L	08/18/10	23:59	
60144-6	Co	39.42005	39.11443	39.72568	1.09644	ug/L	08/18/10	23:59	
60144-6	Cr	298.01147	297.47750	298.54547	0.25340	ug/L	08/18/10	23:59	
60144-6	Cu	59.36923	59.43030	59.30815	0.14548	ug/L	08/18/10	23:59	
60144-6	Fe	162648.48437	162260.23437	163036.73437	0.33757	ug/L	08/18/10	23:59	
60144-6	2Fe	162.61039	162.22067	163.00012	0.33894	mg/L	08/18/10	23:59	
60144-6	K	48874.41796	48864.79687	48884.03906	0.02783	ug/L	08/18/10	23:59	
60144-6	Mg	35326.09375	35240.26953	35411.91796	0.34358	ug/L	08/18/10	23:59	
60144-6	2Mg	35.28890	35.20316	35.37463	0.34357	mg/L	08/18/10	23:59	
60144-6	Mn	2997.41015	2992.67163	3002.14843	0.22356	ug/L	08/18/10	23:59	
60144-6	Mo	2.56550	1.69780	3.43320	47.83130	ug/L	08/18/10	23:59	
60144-6	Na	2182.18017	2202.77807	2161.58227	1.33489	ug/L	08/18/10	23:59	
60144-6	Ni	90.42793	90.51567	90.34019	0.13722	ug/L	08/18/10	23:59	
60144-6	Pb	85.04386	84.50383	85.58390	0.89803	ug/L	08/18/10	23:59	
60144-6	Se	2.36600	-1.50629	6.23830	231.45629	ug/L	08/18/10	23:59	
60144-6	Sb	1.89123	2.50472	1.27775	45.87436	ug/L	08/18/10	23:59	
60144-6	Sn	17.55776	16.03609	19.07942	12.25643	ug/L	08/18/10	23:59	
60144-6	Sr	1338.78649	1335.65039	1341.92260	0.33127	ug/L	08/18/10	23:59	
60144-6	Ti	696.11328	695.13677	697.08972	0.19837	ug/L	08/18/10	23:59	
60144-6	Tl	-5.63790	-8.32970	-2.94609	67.52133	ug/L	08/18/10	23:59	
60144-6	V	280.41503	280.51489	280.31521	0.05035	ug/L	08/18/10	23:59	
60144-6	Zn	365.10040	364.79458	365.40625	0.11846	ug/L	08/18/10	23:59	
60144-6	2203/1	87.11199	86.71195	87.51203	0.64944	ug/L	08/18/10	23:59	
60144-6	2203/2	84.01136	83.40143	84.62128	1.02672	ug/L	08/18/10	23:59	
60144-6	1960/1	-1.28301	-3.79954	1.23350	277.38531	ug/L	08/18/10	23:59	
60144-6	1960/2	4.18777	-0.36139	8.73695	153.62574	ug/L	08/18/10	23:59	
60144-6	Y	975.35253	978.95037	971.75463	0.52167		08/18/10	23:59	
CCV	Ag	486.75579	488.99395	484.51766	0.65026	ug/L	08/19/10	00:05	
CCV	Al	4925.49072	4939.25732	4911.72412	0.39526	ug/L	08/19/10	00:05	
CCV	2Al	4.92567	4.93943	4.91190	0.39524	mg/L	08/19/10	00:05	
CCV	As	489.00277	488.03317	489.97238	0.28041	ug/L	08/19/10	00:05	
CCV	B	4803.53710	4818.77294	4788.30078	0.44856	ug/L	08/19/10	00:05	
CCV	Ba	4882.53125	4901.07617	4863.98583	0.53715	ug/L	08/19/10	00:05	
CCV	Be	484.63366	486.93817	482.32916	0.67247	ug/L	08/19/10	00:05	
CCV	Ca	5188.30468	5105.45751	5271.15185	2.25822	ug/L	08/19/10	00:05	
CCV	Cd	480.05072	482.16641	477.93502	0.62327	ug/L	08/19/10	00:05	
CCV	Co	492.03741	494.15643	489.91839	0.60904	ug/L	08/19/10	00:05	
CCV	Cr	4881.78222	4898.96386	4864.60009	0.49774	ug/L	08/19/10	00:05	
CCV	Cu	4871.94726	4890.45898	4853.43554	0.53735	ug/L	08/19/10	00:05	
CCV	Fe	4898.87109	4912.73730	4885.00537	0.40028	ug/L	08/19/10	00:05	
CCV	2Fe	4.89889	4.91276	4.88502	0.40030	mg/L	08/19/10	00:05	
CCV	K	10161.16601	10203.51367	10118.81835	0.58938	ug/L	08/19/10	00:05	
CCV	Mg	5129.74218	5154.82519	5104.65869	0.69151	ug/L	08/19/10	00:05	
CCV	2Mg	5.12970	5.15479	5.10462	0.69152	mg/L	08/19/10	00:05	
CCV	Mn	4969.24023	4990.63183	4947.84912	0.60878	ug/L	08/19/10	00:05	
CCV	Mo	481.56573	480.42022	482.71121	0.33639	ug/L	08/19/10	00:05	
CCV	Na	7483.51855	7655.60156	7311.43505	3.25197	ug/L	08/19/10	00:05	
CCV	Ni	2460.92553	2469.10449	2452.74658	0.47001	ug/L	08/19/10	00:05	
CCV	Pb	498.02764	498.77041	497.28485	0.21092	ug/L	08/19/10	00:05	
CCV	Se	4863.92089	4871.38085	4856.46093	0.21690	ug/L	08/19/10	00:05	
CCV	Sb	482.24645	484.42822	480.06466	0.63981	ug/L	08/19/10	00:05	
CCV	Sn	5052.59423	5079.20605	5025.98242	0.74486	ug/L	08/19/10	00:05	
CCV	Sr	2380.14257	2393.80444	2366.48095	0.81174	ug/L	08/19/10	00:05	
CCV	Ti	488.08380	489.91235	486.25524	0.52981	ug/L	08/19/10	00:05	
CCV	Tl	4856.64843	4873.44335	4839.85400	0.48904	ug/L	08/19/10	00:05	
CCV	V	5120.54003	5143.92529	5097.15478	0.64586	ug/L	08/19/10	00:05	
CCV	Zn	2507.80590	2520.28906	2495.32275	0.70395	ug/L	08/19/10	00:05	
CCV	2203/1	512.01843	514.12420	509.91259	0.58163	ug/L	08/19/10	00:05	
CCV	2203/2	491.03799	491.10021	490.97576	0.01792	ug/L	08/19/10	00:05	
CCV	1960/1	4999.19140	5021.72753	4976.65527	0.63752	ug/L	08/19/10	00:05	
CCV	1960/2	4796.38671	4796.31982	4796.45361	0.00197	ug/L	08/19/10	00:05	
CCV	Y	981.50933	978.12310	984.89556	0.48790		08/19/10	00:05	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.92133	1.16094	0.68172	36.77929	ug/L	08/19/10	00:10	
CCB	Al	-38.05100	-39.30267	-36.79933	4.65198	ug/L	08/19/10	00:10	
CCB	2Al	-0.03805	-0.03930	-0.03680	4.65198	mg/L	08/19/10	00:10	
CCB	As	3.12711	1.28170	4.97253	83.45739	ug/L	08/19/10	00:10	
CCB	B	13.36858	15.58036	11.15680	23.39756	ug/L	08/19/10	00:10	
CCB	Ba	0.89245	0.15480	1.63010	116.89107	ug/L	08/19/10	00:10	
CCB	Be	0.23179	0.15455	0.30902	47.12437	ug/L	08/19/10	00:10	
CCB	Ca	34.13262	8.76646	59.49879	105.09935	ug/L	08/19/10	00:10	
CCB	Cd	0.01039	-0.00051	0.02130	148.37327	ug/L	08/19/10	00:10	
CCB	Co	0.19023	-0.06743	0.44791	191.55300	ug/L	08/19/10	00:10	
CCB	Cr	1.10793	0.57174	1.64411	68.44084	ug/L	08/19/10	00:10	
CCB	Cu	1.86902	1.26034	2.47770	46.05652	ug/L	08/19/10	00:10	
CCB	Fe	-18.25805	-15.04256	-21.47355	24.90625	ug/L	08/19/10	00:10	
CCB	2Fe	-0.01825	-0.01504	-0.02147	24.90596	mg/L	08/19/10	00:10	
CCB	K	-2.68225	1.87033	-7.23484	240.03456	ug/L	08/19/10	00:10	
CCB	Mg	0.00427	-0.00044	0.00900	156.13470	ug/L	08/19/10	00:10	
CCB	2Mg	0.00000	0.00000	0.00001	99.87097	mg/L	08/19/10	00:10	
CCB	Mn	0.99279	0.29168	1.69390	99.87097	ug/L	08/19/10	00:10	
CCB	Mo	-0.75774	-0.44051	-1.07497	59.20556	ug/L	08/19/10	00:10	
CCB	Na	-55.64750	-111.31996	0.02494	141.48475	ug/L	08/19/10	00:10	
CCB	Ni	0.03811	-0.16738	0.24361	762.48065	ug/L	08/19/10	00:10	
CCB	Pb	-0.04604	-0.31877	0.22668	837.61810	ug/L	08/19/10	00:10	
CCB	Se	1.44516	1.68171	1.20861	23.14863	ug/L	08/19/10	00:10	
CCB	Sb	-4.50805	-3.57089	-5.44520	29.39924	ug/L	08/19/10	00:10	
CCB	Sn	3.35977	2.44391	4.27562	38.55061	ug/L	08/19/10	00:10	
CCB	Sr	0.47450	0.10965	0.83935	108.74027	ug/L	08/19/10	00:10	
CCB	Ti	0.26780	0.37516	0.16044	56.69631	ug/L	08/19/10	00:10	
CCB	Tl	7.39684	4.57508	10.21859	53.94953	ug/L	08/19/10	00:10	
CCB	V	0.87058	1.04500	0.69615	28.33438	ug/L	08/19/10	00:10	
CCB	Zn	0.78694	0.47554	1.09833	55.96082	ug/L	08/19/10	00:10	
CCB	2203/1	0.96779	2.22893	-0.29334	184.28636	ug/L	08/19/10	00:10	
CCB	2203/2	-0.55220	-1.59072	0.48630	265.96435	ug/L	08/19/10	00:10	
CCB	1960/1	-2.82120	2.29703	-7.93944	256.56735	ug/L	08/19/10	00:10	
CCB	1960/2	3.57514	1.37451	5.77578	87.04994	ug/L	08/19/10	00:10	
CCB	Y	971.38427	968.77246	973.99609	0.38024		08/19/10	00:10	
60144-7	Ag	1.23285	1.32187	1.14383	10.21139	ug/L	08/19/10	00:15	
60144-7	Al	63511.85937	63568.91796	63454.79687	0.12705	ug/L	08/19/10	00:15	
60144-7	2Al	63.51319	63.56824	63.45814	0.12258	mg/L	08/19/10	00:15	
60144-7	As	50.77100	53.32431	48.21769	7.11217	ug/L	08/19/10	00:15	
60144-7	B	236.51196	236.43544	236.58847	0.04575	ug/L	08/19/10	00:15	
60144-7	Ba	405.74426	405.81591	405.67260	0.02497	ug/L	08/19/10	00:15	
60144-7	Be	5.03346	5.01574	5.05118	0.49799	ug/L	08/19/10	00:15	
60144-7	Ca	1403126.00000	1403535.12500	1402717.00000	0.04122	ug/L	08/19/10	00:15	
60144-7	Cd	3.38835	3.15942	3.61729	9.55510	ug/L	08/19/10	00:15	
60144-7	Co	37.28532	37.17202	37.39861	0.42972	ug/L	08/19/10	00:15	
60144-7	Cr	234.00347	234.28990	233.71705	0.17310	ug/L	08/19/10	00:15	
60144-7	Cu	49.65730	50.03624	49.27836	1.07920	ug/L	08/19/10	00:15	
60144-7	Fe	107205.26562	107295.71875	107114.82031	0.11931	ug/L	08/19/10	00:15	
60144-7	2Fe	107.18464	107.27115	107.09813	0.11414	mg/L	08/19/10	00:15	
60144-7	K	35741.14062	35775.37109	35706.90625	0.13545	ug/L	08/19/10	00:15	
60144-7	Mg	23506.22265	23525.38671	23487.05859	0.11529	ug/L	08/19/10	00:15	
60144-7	2Mg	23.48133	23.50047	23.46218	0.11530	mg/L	08/19/10	00:15	
60144-7	Mn	1297.06372	1296.86767	1297.25988	0.02138	ug/L	08/19/10	00:15	
60144-7	Mo	1.70288	3.07712	0.32863	114.12851	ug/L	08/19/10	00:15	
60144-7	Na	1795.13500	1816.38403	1773.88598	1.67400	ug/L	08/19/10	00:15	
60144-7	Ni	65.00614	65.40045	64.61185	0.85779	ug/L	08/19/10	00:15	
60144-7	Pb	106.25633	108.40705	104.10559	2.86250	ug/L	08/19/10	00:15	
60144-7	Se	5.80836	4.08929	7.52743	41.85564	ug/L	08/19/10	00:15	
60144-7	Sb	1.72957	5.03287	-1.57371	270.09841	ug/L	08/19/10	00:15	
60144-7	Sn	18.50099	18.60507	18.39691	0.79559	ug/L	08/19/10	00:15	
60144-7	Sr	1118.95056	1119.02368	1118.87744	0.00924	ug/L	08/19/10	00:15	
60144-7	Ti	406.89242	406.85092	406.93392	0.01442	ug/L	08/19/10	00:15	
60144-7	Tl	-1.36843	3.02584	-5.76271	454.12731	ug/L	08/19/10	00:15	
60144-7	V	194.65522	194.03948	195.27096	0.44734	ug/L	08/19/10	00:15	
60144-7	Zn	340.49578	340.32601	340.66558	0.07051	ug/L	08/19/10	00:15	
60144-7	2203/1	109.32463	110.68899	107.96028	1.76491	ug/L	08/19/10	00:15	
60144-7	2203/2	104.72447	107.26779	102.18114	3.43454	ug/L	08/19/10	00:15	
60144-7	1960/1	4.83237	3.82757	5.83716	29.40571	ug/L	08/19/10	00:15	
60144-7	1960/2	6.29562	4.21995	8.37129	46.62663	ug/L	08/19/10	00:15	
60144-7	Y	992.61083	990.57135	994.65026	0.29057		08/19/10	00:15	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60379-6	Ag	0.53314	0.32274	0.74354	55.81016	ug/L	08/19/10	00:21	
60379-6	Al	39595.93750	39671.87890	39519.99218	0.27124	ug/L	08/19/10	00:21	
60379-6	2Al	39.59781	39.67315	39.52247	0.26907	mg/L	08/19/10	00:21	
60379-6	As	19.34258	15.83880	22.84635	25.61750	ug/L	08/19/10	00:21	
60379-6	B	-1.23499	-1.23544	-1.23453	0.05203	ug/L	08/19/10	00:21	
60379-6	Ba	254.72779	254.82794	254.62765	0.05559	ug/L	08/19/10	00:21	
60379-6	Be	1.29612	1.32390	1.26833	3.03190	ug/L	08/19/10	00:21	
60379-6	Ca	14430.81054	14431.24218	14430.37890	0.00423	ug/L	08/19/10	00:21	
60379-6	Cd	0.74655	0.52914	0.96397	41.18540	ug/L	08/19/10	00:21	
60379-6	Co	19.58337	19.63520	19.53155	0.37427	ug/L	08/19/10	00:21	
60379-6	Cr	280.15917	279.72433	280.59402	0.21950	ug/L	08/19/10	00:21	
60379-6	Cu	94.36642	94.63481	94.09802	0.40223	ug/L	08/19/10	00:21	
60379-6	Fe	83135.60937	83169.98437	83101.24218	0.05846	ug/L	08/19/10	00:21	
60379-6	2Fe	83.12186	83.15461	83.08911	0.05572	mg/L	08/19/10	00:21	
60379-6	K	7112.99121	7117.99658	7107.98632	0.09951	ug/L	08/19/10	00:21	
60379-6	Mg	14430.37695	14432.81152	14427.94335	0.02385	ug/L	08/19/10	00:21	
60379-6	2Mg	14.41192	14.41435	14.40949	0.02381	mg/L	08/19/10	00:21	
60379-6	Mn	518.90307	518.72003	519.08605	0.04987	ug/L	08/19/10	00:21	
60379-6	Mo	2.61195	3.11694	2.10697	27.34177	ug/L	08/19/10	00:21	
60379-6	Na	667.84704	675.65582	660.03826	1.65356	ug/L	08/19/10	00:21	
60379-6	Ni	57.40418	58.06661	56.74175	1.63197	ug/L	08/19/10	00:21	
60379-6	Pb	40.72347	39.78503	41.66191	3.25893	ug/L	08/19/10	00:21	
60379-6	Se	0.38318	4.49018	-3.72381	1515.76428	ug/L	08/19/10	00:21	
60379-6	Sb	-2.61911	-2.63975	-2.59846	1.11477	ug/L	08/19/10	00:21	
60379-6	Sn	12.45597	13.21557	11.69637	8.62422	ug/L	08/19/10	00:21	
60379-6	Sr	36.76506	36.79175	36.73835	0.10270	ug/L	08/19/10	00:21	
60379-6	Ti	1467.99609	1465.82934	1470.16271	0.20873	ug/L	08/19/10	00:21	
60379-6	Tl	-2.44464	-0.50110	-4.38818	112.43269	ug/L	08/19/10	00:21	
60379-6	V	190.21380	190.02235	190.40524	0.14233	ug/L	08/19/10	00:21	
60379-6	Zn	95.47341	95.58812	95.35871	0.16990	ug/L	08/19/10	00:21	
60379-6	2203/1	41.82102	41.98579	41.65625	0.55719	ug/L	08/19/10	00:21	
60379-6	2203/2	40.17552	38.68630	41.66474	5.24217	ug/L	08/19/10	00:21	
60379-6	1960/1	-1.10108	-0.91969	-1.28248	23.29737	ug/L	08/19/10	00:21	
60379-6	1960/2	1.12420	7.19107	-4.94265	763.18914	ug/L	08/19/10	00:21	
60379-6	Y	963.26019	962.09619	964.42419	0.17089		08/19/10	00:21	
60379-6L	Ag	0.56250	1.03758	0.08742	119.44199	ug/L	08/19/10	00:26	
60379-6L	Al	7666.11767	7876.76660	7455.46875	3.88596	ug/L	08/19/10	00:26	
60379-6L	2Al	7.66623	7.87702	7.45544	3.88848	mg/L	08/19/10	00:26	
60379-6L	As	2.44529	0.31453	4.57606	123.23049	ug/L	08/19/10	00:26	
60379-6L	B	-0.65720	-1.24605	-0.06836	126.71088	ug/L	08/19/10	00:26	
60379-6L	Ba	49.70083	50.98490	48.41677	3.65375	ug/L	08/19/10	00:26	
60379-6L	Be	0.37352	0.38451	0.36253	4.16160	ug/L	08/19/10	00:26	
60379-6L	Ca	2838.65673	2910.37060	2766.94287	3.57277	ug/L	08/19/10	00:26	
60379-6L	Cd	0.12415	-0.01455	0.26286	157.99670	ug/L	08/19/10	00:26	
60379-6L	Co	4.44096	5.21100	3.67092	24.52171	ug/L	08/19/10	00:26	
60379-6L	Cr	54.88085	56.35481	53.40690	3.79819	ug/L	08/19/10	00:26	
60379-6L	Cu	18.05105	18.67369	17.42841	4.87807	ug/L	08/19/10	00:26	
60379-6L	Fe	16277.13964	16704.11328	15850.16601	3.70969	ug/L	08/19/10	00:26	
60379-6L	2Fe	16.27428	16.70199	15.84656	3.71679	mg/L	08/19/10	00:26	
60379-6L	K	1388.36389	1416.35656	1360.37121	2.85138	ug/L	08/19/10	00:26	
60379-6L	Mg	2828.47412	2908.64843	2748.30004	4.00864	ug/L	08/19/10	00:26	
60379-6L	2Mg	2.82486	2.90493	2.74478	4.00891	mg/L	08/19/10	00:26	
60379-6L	Mn	102.32421	105.05570	99.59272	3.77516	ug/L	08/19/10	00:26	
60379-6L	Mo	-2.10852	-1.79375	-2.42330	21.11235	ug/L	08/19/10	00:26	
60379-6L	Na	238.53198	261.60260	215.46134	13.67816	ug/L	08/19/10	00:26	
60379-6L	Ni	10.85658	10.26191	11.45126	7.74641	ug/L	08/19/10	00:26	
60379-6L	Pb	8.20945	9.06923	7.34968	14.81102	ug/L	08/19/10	00:26	
60379-6L	Se	-0.50762	-4.53809	3.52284	1122.86413	ug/L	08/19/10	00:26	
60379-6L	Sb	-5.54981	-9.43604	-1.66357	99.02980	ug/L	08/19/10	00:26	
60379-6L	Sn	4.30167	2.89317	5.71017	46.30568	ug/L	08/19/10	00:26	
60379-6L	Sr	7.23200	7.42848	7.03552	3.84216	ug/L	08/19/10	00:26	
60379-6L	Ti	286.23065	294.29559	278.16567	3.98474	ug/L	08/19/10	00:26	
60379-6L	Tl	-2.52036	-4.42133	-0.61939	106.66623	ug/L	08/19/10	00:26	
60379-6L	V	37.63365	38.35165	36.91564	2.69815	ug/L	08/19/10	00:26	
60379-6L	Zn	19.81792	20.01884	19.61701	1.43375	ug/L	08/19/10	00:26	
60379-6L	2203/1	6.85412	8.16441	5.54384	27.03504	ug/L	08/19/10	00:26	
60379-6L	2203/2	8.88610	9.52096	8.25124	10.10371	ug/L	08/19/10	00:26	
60379-6L	1960/1	3.61152	-1.33814	8.56118	193.82081	ug/L	08/19/10	00:26	
60379-6L	1960/2	-2.56411	-6.13567	1.00744	196.98619	ug/L	08/19/10	00:26	
60379-6L	Y	975.19860	975.66033	974.73687	0.06695		08/19/10	00:26	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60379-6A	Ag	42.73777	42.85009	42.62544	0.37168	ug/L	08/19/10	00:31	
60379-6A	Al	40560.43359	40583.73437	40537.13281	0.08124	ug/L	08/19/10	00:31	
60379-6A	2Al	40.56072	40.58367	40.53776	0.08002	mg/L	08/19/10	00:31	
60379-6A	As	1957.87683	1959.80993	1955.94372	0.13963	ug/L	08/19/10	00:31	
60379-6A	B	968.26574	967.75659	968.77496	0.07436	ug/L	08/19/10	00:31	
60379-6A	Ba	2233.79394	2234.49365	2233.09448	0.04429	ug/L	08/19/10	00:31	
60379-6A	Be	49.87004	49.84487	49.89521	0.07137	ug/L	08/19/10	00:31	
60379-6A	Ca	19088.85742	19079.55859	19098.15625	0.06889	ug/L	08/19/10	00:31	
60379-6A	Cd	48.65376	48.26398	49.04354	1.13296	ug/L	08/19/10	00:31	
60379-6A	Co	513.56127	511.85552	515.26702	0.46971	ug/L	08/19/10	00:31	
60379-6A	Cr	468.33197	468.35867	468.30523	0.00806	ug/L	08/19/10	00:31	
60379-6A	Cu	339.32525	339.49252	339.15802	0.06970	ug/L	08/19/10	00:31	
60379-6A	Fe	81569.32812	81576.55468	81562.10937	0.01252	ug/L	08/19/10	00:31	
60379-6A	2Fe	81.55280	81.55844	81.54716	0.00977	mg/L	08/19/10	00:31	
60379-6A	K	12237.18554	12245.99902	12228.37109	0.10186	ug/L	08/19/10	00:31	
60379-6A	Mg	19310.69140	19293.66992	19327.71484	0.12466	ug/L	08/19/10	00:31	
60379-6A	2Mg	19.29136	19.27434	19.30838	0.12475	mg/L	08/19/10	00:31	
60379-6A	Mn	1004.76165	1004.57580	1004.94750	0.02615	ug/L	08/19/10	00:31	
60379-6A	Mo	481.35894	479.15628	483.56158	0.64713	ug/L	08/19/10	00:31	
60379-6A	Na	5682.15429	5647.03417	5717.27441	0.87409	ug/L	08/19/10	00:31	
60379-6A	Ni	544.81591	544.41528	545.21655	0.10399	ug/L	08/19/10	00:31	
60379-6A	Pb	525.77001	524.89569	526.64428	0.23516	ug/L	08/19/10	00:31	
60379-6A	Se	1903.76489	1905.70349	1901.82641	0.14400	ug/L	08/19/10	00:31	
60379-6A	Sb	478.39819	480.45877	476.33761	0.60913	ug/L	08/19/10	00:31	
60379-6A	Sn	1054.47631	1052.77380	1056.17895	0.22834	ug/L	08/19/10	00:31	
60379-6A	Sr	531.57812	533.83654	529.31964	0.60084	ug/L	08/19/10	00:31	
60379-6A	Ti	2418.19653	2417.01074	2419.38232	0.06934	ug/L	08/19/10	00:31	
60379-6A	Tl	1987.04711	1994.31164	1979.78271	0.51702	ug/L	08/19/10	00:31	
60379-6A	V	691.51409	691.73150	691.29669	0.04446	ug/L	08/19/10	00:31	
60379-6A	Zn	591.03729	590.41540	591.65917	0.14880	ug/L	08/19/10	00:31	
60379-6A	2203/1	539.06811	537.56817	540.56805	0.39350	ug/L	08/19/10	00:31	
60379-6A	2203/2	519.13085	518.56890	519.69287	0.15309	ug/L	08/19/10	00:31	
60379-6A	1960/1	1959.63012	1959.26696	1959.99340	0.02621	ug/L	08/19/10	00:31	
60379-6A	1960/2	1875.87426	1878.96191	1872.78649	0.23278	ug/L	08/19/10	00:31	
60379-6A	Y	967.43530	971.03314	963.83740	0.52594		08/19/10	00:31	
60379-11	Ag	-0.00339	-0.15398	0.14719	6274.00341	ug/L	08/19/10	00:37	
60379-11	Al	33484.02734	33506.36328	33461.69140	0.09433	ug/L	08/19/10	00:37	
60379-11	2Al	33.48427	33.50732	33.46121	0.09736	mg/L	08/19/10	00:37	
60379-11	As	29.91404	27.61247	32.21562	10.88089	ug/L	08/19/10	00:37	
60379-11	B	-0.79399	-0.56519	-1.02279	40.75242	ug/L	08/19/10	00:37	
60379-11	Ba	137.64031	137.67187	137.60876	0.03242	ug/L	08/19/10	00:37	
60379-11	Be	1.25377	1.25516	1.25238	0.15664	ug/L	08/19/10	00:37	
60379-11	Ca	13213.91894	13238.95996	13188.87792	0.26800	ug/L	08/19/10	00:37	
60379-11	Cd	3.25576	3.18472	3.32681	3.08602	ug/L	08/19/10	00:37	
60379-11	Co	9.73438	10.20662	9.26214	6.86072	ug/L	08/19/10	00:37	
60379-11	Cr	431.19738	432.13528	430.25952	0.30760	ug/L	08/19/10	00:37	
60379-11	Cu	66.79875	67.03916	66.55834	0.50897	ug/L	08/19/10	00:37	
60379-11	Fe	86637.27343	86703.08593	86571.46093	0.10742	ug/L	08/19/10	00:37	
60379-11	2Fe	86.61991	86.68730	86.55254	0.11000	mg/L	08/19/10	00:37	
60379-11	K	3665.31713	3672.41821	3658.21606	0.27398	ug/L	08/19/10	00:37	
60379-11	Mg	7138.09667	7147.18066	7129.01220	0.17997	ug/L	08/19/10	00:37	
60379-11	2Mg	7.12099	7.13006	7.11192	0.18013	mg/L	08/19/10	00:37	
60379-11	Mn	310.37307	310.77038	309.97576	0.18103	ug/L	08/19/10	00:37	
60379-11	Mo	6.49491	7.15185	5.83798	14.30419	ug/L	08/19/10	00:37	
60379-11	Na	271.25088	205.63131	336.87045	34.21189	ug/L	08/19/10	00:37	
60379-11	Ni	22.81613	23.36935	22.26292	3.42901	ug/L	08/19/10	00:37	
60379-11	Pb	110.04380	108.66540	111.42221	1.77144	ug/L	08/19/10	00:37	
60379-11	Se	-0.47493	-0.46896	-0.48089	1.77662	ug/L	08/19/10	00:37	
60379-11	Sb	2.13325	4.33567	-0.06916	146.00657	ug/L	08/19/10	00:37	
60379-11	Sn	20.29441	21.65847	18.93034	9.50547	ug/L	08/19/10	00:37	
60379-11	Sr	31.75343	31.74409	31.76277	0.04159	ug/L	08/19/10	00:37	
60379-11	Ti	1032.58447	1033.09020	1032.07861	0.06927	ug/L	08/19/10	00:37	
60379-11	Tl	-3.26535	1.19324	-7.72394	193.10023	ug/L	08/19/10	00:37	
60379-11	V	229.22424	228.95301	229.49548	0.16733	ug/L	08/19/10	00:37	
60379-11	Zn	69.77074	70.16224	69.37924	0.79355	ug/L	08/19/10	00:37	
60379-11	2203/1	112.74797	113.65995	111.83599	1.14390	ug/L	08/19/10	00:37	
60379-11	2203/2	108.69375	106.17187	111.21564	3.28122	ug/L	08/19/10	00:37	
60379-11	1960/1	-1.23179	-1.05025	-1.41333	20.84243	ug/L	08/19/10	00:37	
60379-11	1960/2	-0.09706	-0.17875	-0.01537	119.01630	ug/L	08/19/10	00:37	
60379-11	Y	972.45208	969.18609	975.71807	0.47496		08/19/10	00:37	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60379-16	Ag	0.26254	0.56351	-0.03842	162.11964	ug/L	08/19/10	00:42	
60379-16	Al	36058.00781	36055.19921	36060.82031	0.01102	ug/L	08/19/10	00:42	
60379-16	2Al	36.05944	36.05809	36.06078	0.00528	mg/L	08/19/10	00:42	
60379-16	As	17.99966	17.60008	18.39924	3.13946	ug/L	08/19/10	00:42	
60379-16	B	-4.02975	-3.04720	-5.01230	34.48188	ug/L	08/19/10	00:42	
60379-16	Ba	207.30281	207.19744	207.40817	0.07187	ug/L	08/19/10	00:42	
60379-16	Be	1.17196	1.18282	1.16110	1.31067	ug/L	08/19/10	00:42	
60379-16	Ca	73214.23437	73172.78125	73255.67968	0.08006	ug/L	08/19/10	00:42	
60379-16	Cd	2.86192	2.83540	2.88845	1.31076	ug/L	08/19/10	00:42	
60379-16	Co	15.72301	15.64413	15.80189	0.70947	ug/L	08/19/10	00:42	
60379-16	Cr	316.76934	316.42077	317.11795	0.15562	ug/L	08/19/10	00:42	
60379-16	Cu	92.06108	91.33313	92.78901	1.11823	ug/L	08/19/10	00:42	
60379-16	Fe	73880.68750	73811.41406	73949.95312	0.13259	ug/L	08/19/10	00:42	
60379-16	2Fe	73.86810	73.80207	73.93413	0.12641	mg/L	08/19/10	00:42	
60379-16	K	10122.46386	10132.01171	10112.91601	0.13339	ug/L	08/19/10	00:42	
60379-16	Mg	29429.60156	29416.34765	29442.85546	0.06369	ug/L	08/19/10	00:42	
60379-16	2Mg	29.40871	29.39547	29.42195	0.06366	mg/L	08/19/10	00:42	
60379-16	Mn	889.89996	888.88208	890.91784	0.16176	ug/L	08/19/10	00:42	
60379-16	Mo	7.30359	7.66605	6.94113	7.01841	ug/L	08/19/10	00:42	
60379-16	Na	1190.29785	1161.18139	1219.41430	3.45937	ug/L	08/19/10	00:42	
60379-16	Ni	30.93143	30.18177	31.68110	3.42753	ug/L	08/19/10	00:42	
60379-16	Pb	357.67352	359.37066	355.97640	0.67103	ug/L	08/19/10	00:42	
60379-16	Se	4.95278	6.13104	3.77453	33.64377	ug/L	08/19/10	00:42	
60379-16	Sb	3.10225	5.85577	0.34873	125.52384	ug/L	08/19/10	00:42	
60379-16	Sn	19.98648	19.84488	20.12808	1.00195	ug/L	08/19/10	00:42	
60379-16	Sr	83.39852	83.36449	83.43256	0.05771	ug/L	08/19/10	00:42	
60379-16	Ti	1987.76416	1985.85327	1989.67504	0.13595	ug/L	08/19/10	00:42	
60379-16	Tl	-1.44306	3.24726	-6.13339	459.65481	ug/L	08/19/10	00:42	
60379-16	V	163.80372	163.73670	163.87074	0.05785	ug/L	08/19/10	00:42	
60379-16	Zn	138.21398	138.13378	138.29420	0.08206	ug/L	08/19/10	00:42	
60379-16	2203/1	366.02294	367.63177	364.41415	0.62160	ug/L	08/19/10	00:42	
60379-16	2203/2	353.50509	355.24630	351.76388	0.69657	ug/L	08/19/10	00:42	
60379-16	1960/1	-3.68185	-4.37248	-2.99123	26.52715	ug/L	08/19/10	00:42	
60379-16	1960/2	9.26363	11.37492	7.15234	32.23163	ug/L	08/19/10	00:42	
60379-16	Y	962.30297	962.49060	962.11541	0.02756		08/19/10	00:42	
60379-21	Ag	0.35343	0.32411	0.38275	11.73211	ug/L	08/19/10	00:47	
60379-21	Al	25458.90625	25355.21484	25562.59960	0.57599	ug/L	08/19/10	00:47	
60379-21	2Al	25.46056	25.35686	25.56426	0.57600	mg/L	08/19/10	00:47	
60379-21	As	14.09766	16.86353	11.33179	27.74597	ug/L	08/19/10	00:47	
60379-21	B	-6.66653	-6.89133	-6.44172	4.76890	ug/L	08/19/10	00:47	
60379-21	Ba	103.23118	102.84259	103.61978	0.53235	ug/L	08/19/10	00:47	
60379-21	Be	0.94325	0.94291	0.94359	0.05101	ug/L	08/19/10	00:47	
60379-21	Ca	8373.38183	8341.77148	8404.99218	0.53387	ug/L	08/19/10	00:47	
60379-21	Cd	1.47323	1.50873	1.43773	3.40785	ug/L	08/19/10	00:47	
60379-21	Co	7.53155	7.27933	7.78376	4.73589	ug/L	08/19/10	00:47	
60379-21	Cr	169.24749	168.44247	170.05252	0.67266	ug/L	08/19/10	00:47	
60379-21	Cu	34.89576	34.52615	35.26537	1.49791	ug/L	08/19/10	00:47	
60379-21	Fe	48134.60546	48021.86718	48247.34375	0.33122	ug/L	08/19/10	00:47	
60379-21	2Fe	48.12851	48.01578	48.24123	0.33123	mg/L	08/19/10	00:47	
60379-21	K	5486.79052	5468.42089	5505.16015	0.47347	ug/L	08/19/10	00:47	
60379-21	Mg	4825.81347	4801.23876	4850.38769	0.72015	ug/L	08/19/10	00:47	
60379-21	2Mg	4.81616	4.79161	4.84071	0.72081	mg/L	08/19/10	00:47	
60379-21	Mn	392.64096	391.52563	393.75628	0.40171	ug/L	08/19/10	00:47	
60379-21	Mo	2.69227	3.26384	2.12069	30.02405	ug/L	08/19/10	00:47	
60379-21	Na	1127.15380	1132.38793	1121.91967	0.65671	ug/L	08/19/10	00:47	
60379-21	Ni	12.64545	11.82508	13.46581	9.17460	ug/L	08/19/10	00:47	
60379-21	Pb	46.08504	46.85983	45.31025	2.37760	ug/L	08/19/10	00:47	
60379-21	Se	2.68482	1.66245	3.70718	53.85237	ug/L	08/19/10	00:47	
60379-21	Sb	-2.39429	-3.46960	-1.31897	63.51447	ug/L	08/19/10	00:47	
60379-21	Sn	18.99318	18.56358	19.42279	3.19878	ug/L	08/19/10	00:47	
60379-21	Sr	25.59042	25.49081	25.69003	0.55048	ug/L	08/19/10	00:47	
60379-21	Ti	1068.14086	1064.82287	1071.45874	0.43929	ug/L	08/19/10	00:47	
60379-21	Tl	-1.45274	-2.61809	-0.28740	113.44362	ug/L	08/19/10	00:47	
60379-21	V	122.77960	121.62212	123.93708	1.33322	ug/L	08/19/10	00:47	
60379-21	Zn	63.72143	63.26994	64.17292	1.00201	ug/L	08/19/10	00:47	
60379-21	2203/1	45.77600	46.90943	44.64258	3.50162	ug/L	08/19/10	00:47	
60379-21	2203/2	46.23932	46.83506	45.64358	1.82205	ug/L	08/19/10	00:47	
60379-21	1960/1	-3.80715	-6.46421	-1.15008	98.69986	ug/L	08/19/10	00:47	
60379-21	1960/2	5.92594	5.71970	6.13218	4.92187	ug/L	08/19/10	00:47	
60379-21	Y	965.02545	969.44586	960.60504	0.64779		08/19/10	00:47	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60379-26	Ag	0.44351	0.38368	0.50333	19.07771	ug/L	08/19/10	00:53	
60379-26	Al	47894.96875	47881.24609	47908.69140	0.04051	ug/L	08/19/10	00:53	
60379-26	2Al	47.89825	47.88500	47.91149	0.03909	mg/L	08/19/10	00:53	
60379-26	As	16.14642	16.66253	15.63031	4.52045	ug/L	08/19/10	00:53	
60379-26	B	-6.56508	-7.13597	-5.99418	12.29786	ug/L	08/19/10	00:53	
60379-26	Ba	202.56030	202.56736	202.55322	0.00493	ug/L	08/19/10	00:53	
60379-26	Be	1.91988	1.93853	1.90122	1.37401	ug/L	08/19/10	00:53	
60379-26	Ca	11643.01953	11643.26171	11642.77734	0.00294	ug/L	08/19/10	00:53	
60379-26	Cd	0.73767	0.54151	0.93384	37.60632	ug/L	08/19/10	00:53	
60379-26	Co	18.09959	18.18097	18.01821	0.63587	ug/L	08/19/10	00:53	
60379-26	Cr	158.24267	157.92852	158.55683	0.28076	ug/L	08/19/10	00:53	
60379-26	Cu	55.80456	55.55900	56.05012	0.62229	ug/L	08/19/10	00:53	
60379-26	Fe	107916.62500	107880.28125	107952.96875	0.04762	ug/L	08/19/10	00:53	
60379-26	2Fe	107.90055	107.86501	107.93610	0.04658	mg/L	08/19/10	00:53	
60379-26	K	20403.81835	20402.01562	20405.62109	0.01249	ug/L	08/19/10	00:53	
60379-26	Mg	15014.17382	15019.23828	15009.11035	0.04769	ug/L	08/19/10	00:53	
60379-26	2Mg	14.99175	14.99681	14.98668	0.04781	mg/L	08/19/10	00:53	
60379-26	Mn	1718.89990	1717.91320	1719.88671	0.08118	ug/L	08/19/10	00:53	
60379-26	Mo	1.45333	1.09868	1.80798	34.51040	ug/L	08/19/10	00:53	
60379-26	Na	330.99996	279.11407	382.88586	22.16850	ug/L	08/19/10	00:53	
60379-26	Ni	21.27486	21.24010	21.30962	0.23107	ug/L	08/19/10	00:53	
60379-26	Pb	40.98004	40.06266	41.89742	3.16587	ug/L	08/19/10	00:53	
60379-26	Se	4.55216	5.47777	3.62656	28.75559	ug/L	08/19/10	00:53	
60379-26	Sb	-0.78987	0.25413	-1.83389	186.92211	ug/L	08/19/10	00:53	
60379-26	Sn	21.23962	22.27042	20.20882	6.86343	ug/L	08/19/10	00:53	
60379-26	Sr	29.88617	29.88873	29.88360	0.01214	ug/L	08/19/10	00:53	
60379-26	Ti	4187.65332	4186.47705	4188.83007	0.03973	ug/L	08/19/10	00:53	
60379-26	Tl	-5.84044	-3.47390	-8.20698	57.30368	ug/L	08/19/10	00:53	
60379-26	V	182.59799	183.23835	181.95761	0.49596	ug/L	08/19/10	00:53	
60379-26	Zn	183.23117	182.66247	183.79986	0.43892	ug/L	08/19/10	00:53	
60379-26	2203/1	42.56544	41.53820	43.59268	3.41295	ug/L	08/19/10	00:53	
60379-26	2203/2	40.18852	39.32599	41.05106	3.03521	ug/L	08/19/10	00:53	
60379-26	1960/1	-1.12818	1.25093	-3.50730	298.22918	ug/L	08/19/10	00:53	
60379-26	1960/2	7.38808	7.58802	7.18814	3.82717	ug/L	08/19/10	00:53	
60379-26	Y	970.26831	968.01245	972.52423	0.32880		08/19/10	00:53	
60379-31	Ag	0.65300	0.74264	0.56336	19.41408	ug/L	08/19/10	00:58	
60379-31	Al	24419.74804	24431.19335	24408.30273	0.06628	ug/L	08/19/10	00:58	
60379-31	2Al	24.42045	24.43081	24.41010	0.05998	mg/L	08/19/10	00:58	
60379-31	As	16.11656	13.49787	18.73526	22.97882	ug/L	08/19/10	00:58	
60379-31	B	-8.24260	-7.34633	-9.13888	15.37778	ug/L	08/19/10	00:58	
60379-31	Ba	95.22855	95.24223	95.21487	0.02031	ug/L	08/19/10	00:58	
60379-31	Be	0.97509	0.96410	0.98608	1.59448	ug/L	08/19/10	00:58	
60379-31	Ca	2905.10107	2901.17431	2909.02807	0.19116	ug/L	08/19/10	00:58	
60379-31	Cd	0.61564	0.89519	0.33609	64.21600	ug/L	08/19/10	00:58	
60379-31	Co	6.26412	6.41388	6.11437	3.38099	ug/L	08/19/10	00:58	
60379-31	Cr	232.30139	232.83781	231.76498	0.32656	ug/L	08/19/10	00:58	
60379-31	Cu	41.71175	42.02980	41.39371	1.07831	ug/L	08/19/10	00:58	
60379-31	Fe	55287.99218	55248.05468	55327.92578	0.10215	ug/L	08/19/10	00:58	
60379-31	2Fe	55.27858	55.23624	55.32092	0.10831	mg/L	08/19/10	00:58	
60379-31	K	2829.44555	2826.79174	2832.09936	0.13264	ug/L	08/19/10	00:58	
60379-31	Mg	2251.47656	2252.81127	2250.14184	0.08383	ug/L	08/19/10	00:58	
60379-31	2Mg	2.24119	2.24254	2.23985	0.08466	mg/L	08/19/10	00:58	
60379-31	Mn	172.84594	172.62355	173.06832	0.18195	ug/L	08/19/10	00:58	
60379-31	Mo	2.77849	3.36098	2.19600	29.64777	ug/L	08/19/10	00:58	
60379-31	Na	553.48468	608.82800	498.14135	14.14082	ug/L	08/19/10	00:58	
60379-31	Ni	10.98246	10.41513	11.54978	7.30546	ug/L	08/19/10	00:58	
60379-31	Pb	47.09403	48.55078	45.63727	4.37456	ug/L	08/19/10	00:58	
60379-31	Se	-0.93720	-1.29311	-0.58129	53.70613	ug/L	08/19/10	00:58	
60379-31	Sb	-1.49550	-0.84027	-2.15073	61.96172	ug/L	08/19/10	00:58	
60379-31	Sn	16.24998	16.15972	16.34024	0.78552	ug/L	08/19/10	00:58	
60379-31	Sr	21.63737	21.58453	21.69021	0.34536	ug/L	08/19/10	00:58	
60379-31	Ti	671.35308	670.95501	671.75115	0.08385	ug/L	08/19/10	00:58	
60379-31	Tl	-0.88610	-1.36962	-0.40259	77.16850	ug/L	08/19/10	00:58	
60379-31	V	158.38142	157.71226	159.05058	0.59750	ug/L	08/19/10	00:58	
60379-31	Zn	51.88927	51.80580	51.97274	0.22749	ug/L	08/19/10	00:58	
60379-31	2203/1	46.62311	46.27549	46.97073	1.05442	ug/L	08/19/10	00:58	
60379-31	2203/2	47.32913	49.68672	44.97154	7.04456	ug/L	08/19/10	00:58	
60379-31	1960/1	-4.40208	-3.81963	-4.98453	18.71175	ug/L	08/19/10	00:58	
60379-31	1960/2	0.79263	-0.03175	1.61702	147.08662	ug/L	08/19/10	00:58	
60379-31	Y	966.48291	968.05096	964.91485	0.22944		08/19/10	00:58	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60379-36	Ag	0.44302	0.44290	0.44314	0.03819	ug/L	08/19/10	01:03	
60379-36	Al	28987.92968	29132.56054	28843.29882	0.70560	ug/L	08/19/10	01:03	
60379-36	2Al	28.98906	29.13529	28.84283	0.71336	mg/L	08/19/10	01:03	
60379-36	As	21.53023	21.04862	22.01184	3.16345	ug/L	08/19/10	01:03	
60379-36	B	-8.85273	-8.27439	-9.43107	9.23891	ug/L	08/19/10	01:03	
60379-36	Ba	133.58364	133.99183	133.17547	0.43212	ug/L	08/19/10	01:03	
60379-36	Be	1.12871	1.12937	1.12804	0.08364	ug/L	08/19/10	01:03	
60379-36	Ca	11401.74218	11439.84472	11363.63964	0.47260	ug/L	08/19/10	01:03	
60379-36	Cd	3.94239	3.74142	4.14336	7.20934	ug/L	08/19/10	01:03	
60379-36	Co	9.56313	9.34136	9.78491	3.27964	ug/L	08/19/10	01:03	
60379-36	Cr	217.18261	217.41271	216.95252	0.14982	ug/L	08/19/10	01:03	
60379-36	Cu	46.81578	47.13062	46.50093	0.95107	ug/L	08/19/10	01:03	
60379-36	Fe	65192.94140	65481.62109	64904.26171	0.62622	ug/L	08/19/10	01:03	
60379-36	2Fe	65.18145	65.47332	64.88958	0.63325	mg/L	08/19/10	01:03	
60379-36	K	6259.79003	6287.39794	6232.18164	0.62372	ug/L	08/19/10	01:03	
60379-36	Mg	5480.02099	5498.44433	5461.59765	0.47544	ug/L	08/19/10	01:03	
60379-36	2Mg	5.46723	5.48560	5.44886	0.47511	mg/L	08/19/10	01:03	
60379-36	Mn	482.31094	484.22308	480.39880	0.56067	ug/L	08/19/10	01:03	
60379-36	Mo	2.44538	4.41447	0.47629	113.87604	ug/L	08/19/10	01:03	
60379-36	Na	1087.17456	1221.41357	952.93566	17.46201	ug/L	08/19/10	01:03	
60379-36	Ni	15.51916	15.61236	15.42597	0.84928	ug/L	08/19/10	01:03	
60379-36	Pb	90.23941	92.14321	88.33559	2.98361	ug/L	08/19/10	01:03	
60379-36	Se	0.55551	1.88958	-0.77855	339.62445	ug/L	08/19/10	01:03	
60379-36	Sb	-2.79738	-4.99917	-0.59559	111.31096	ug/L	08/19/10	01:03	
60379-36	Sn	19.21863	20.53513	17.90213	9.68751	ug/L	08/19/10	01:03	
60379-36	Sr	29.70471	29.74231	29.66711	0.17902	ug/L	08/19/10	01:03	
60379-36	Ti	1303.63562	1308.19738	1299.07385	0.49487	ug/L	08/19/10	01:03	
60379-36	Tl	-2.41470	-3.53861	-1.29079	65.82365	ug/L	08/19/10	01:03	
60379-36	V	160.08924	160.44104	159.73745	0.31076	ug/L	08/19/10	01:03	
60379-36	Zn	89.44596	89.62384	89.26810	0.28122	ug/L	08/19/10	01:03	
60379-36	2203/1	95.27861	97.04116	93.51606	2.61613	ug/L	08/19/10	01:03	
60379-36	2203/2	87.72357	89.69792	85.74923	3.18288	ug/L	08/19/10	01:03	
60379-36	1960/1	-1.60406	0.35871	-3.56684	173.04734	ug/L	08/19/10	01:03	
60379-36	1960/2	1.63368	2.65386	0.61349	88.31327	ug/L	08/19/10	01:03	
60379-36	Y	960.20104	958.29626	962.10577	0.28053		08/19/10	01:03	
CCV	Ag	494.86679	495.19476	494.53881	0.09372	ug/L	08/19/10	01:09	
CCV	Al	5000.80664	5002.17675	4999.43652	0.03874	ug/L	08/19/10	01:09	
CCV	2Al	5.00086	5.00235	4.99937	0.04218	mg/L	08/19/10	01:09	
CCV	As	495.33935	498.31274	492.36599	0.84890	ug/L	08/19/10	01:09	
CCV	B	4890.41601	4891.24462	4889.58691	0.02396	ug/L	08/19/10	01:09	
CCV	Ba	4959.74316	4966.80468	4952.68164	0.20135	ug/L	08/19/10	01:09	
CCV	Be	494.05102	494.52682	493.57519	0.13620	ug/L	08/19/10	01:09	
CCV	Ca	5128.33007	5130.35156	5126.30908	0.05573	ug/L	08/19/10	01:09	
CCV	Cd	490.28869	492.41696	488.16046	0.61388	ug/L	08/19/10	01:09	
CCV	Co	501.09606	501.92904	500.26306	0.23509	ug/L	08/19/10	01:09	
CCV	Cr	4974.06445	4977.78125	4970.34765	0.10567	ug/L	08/19/10	01:09	
CCV	Cu	4951.98193	4959.90332	4944.06054	0.22622	ug/L	08/19/10	01:09	
CCV	Fe	4987.89746	4993.32519	4982.47021	0.15388	ug/L	08/19/10	01:09	
CCV	2Fe	4.98791	4.99334	4.98249	0.15388	mg/L	08/19/10	01:09	
CCV	K	10320.50097	10322.87792	10318.12402	0.03257	ug/L	08/19/10	01:09	
CCV	Mg	5205.35546	5205.98046	5204.73095	0.01697	ug/L	08/19/10	01:09	
CCV	2Mg	5.20532	5.20594	5.20469	0.01699	mg/L	08/19/10	01:09	
CCV	Mn	5050.42089	5055.14746	5045.69384	0.13235	ug/L	08/19/10	01:09	
CCV	Mo	489.74603	491.33605	488.15603	0.45913	ug/L	08/19/10	01:09	
CCV	Na	7670.93750	7556.78125	7785.09375	2.10458	ug/L	08/19/10	01:09	
CCV	Ni	2503.95166	2506.68920	2501.21435	0.15460	ug/L	08/19/10	01:09	
CCV	Pb	504.32571	503.81777	504.83364	0.14243	ug/L	08/19/10	01:09	
CCV	Se	4912.19531	4908.02587	4916.36425	0.12003	ug/L	08/19/10	01:09	
CCV	Sb	489.75170	487.81921	491.68423	0.55803	ug/L	08/19/10	01:09	
CCV	Sn	5149.47802	5155.00830	5143.94775	0.15187	ug/L	08/19/10	01:09	
CCV	Sr	2427.07885	2425.59082	2428.56689	0.08670	ug/L	08/19/10	01:09	
CCV	Ti	497.35281	497.97003	496.73559	0.17550	ug/L	08/19/10	01:09	
CCV	Tl	4948.54736	4950.22070	4946.87402	0.04782	ug/L	08/19/10	01:09	
CCV	V	5197.83496	5202.00683	5193.66357	0.11350	ug/L	08/19/10	01:09	
CCV	Zn	2550.81103	2550.35131	2551.27050	0.02548	ug/L	08/19/10	01:09	
CCV	2203/1	515.98834	519.51312	512.46356	0.96606	ug/L	08/19/10	01:09	
CCV	2203/2	498.49838	495.97708	501.01968	0.71527	ug/L	08/19/10	01:09	
CCV	1960/1	5061.40283	5064.82373	5057.98193	0.09558	ug/L	08/19/10	01:09	
CCV	1960/2	4837.70312	4829.74462	4845.66162	0.23265	ug/L	08/19/10	01:09	
CCV	Y	964.45306	964.80902	964.09710	0.05219		08/19/10	01:09	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.68187	0.62245	0.74130	12.32428	ug/L	08/19/10	01:14	
CCB	Al	-32.06327	-32.91238	-31.21416	3.74516	ug/L	08/19/10	01:14	
CCB	2Al	-0.03206	-0.03291	-0.03121	3.74513	mg/L	08/19/10	01:14	
CCB	As	-1.71956	-2.06785	-1.37127	28.64435	ug/L	08/19/10	01:14	
CCB	B	12.78474	14.38872	11.18076	17.74276	ug/L	08/19/10	01:14	
CCB	Ba	1.01457	0.15426	1.87488	119.91788	ug/L	08/19/10	01:14	
CCB	Be	0.22762	0.14646	0.30877	50.42151	ug/L	08/19/10	01:14	
CCB	Ca	9.79128	6.79472	12.78784	43.28112	ug/L	08/19/10	01:14	
CCB	Cd	-0.20261	-0.20241	-0.20280	0.13513	ug/L	08/19/10	01:14	
CCB	Co	0.84436	0.84526	0.84346	0.15090	ug/L	08/19/10	01:14	
CCB	Cr	0.87984	-0.05576	1.81545	150.38487	ug/L	08/19/10	01:14	
CCB	Cu	1.26977	0.65580	1.88374	68.38146	ug/L	08/19/10	01:14	
CCB	Fe	-0.74893	-5.54443	4.04656	905.53002	ug/L	08/19/10	01:14	
CCB	2Fe	-0.00074	-0.00554	0.00404	906.03070	mg/L	08/19/10	01:14	
CCB	K	6.30047	-4.37573	16.97669	239.63972	ug/L	08/19/10	01:14	
CCB	Mg	7.42444	4.94897	9.89990	47.15280	ug/L	08/19/10	01:14	
CCB	2Mg	0.00742	0.00494	0.00989	47.13996	mg/L	08/19/10	01:14	
CCB	Mn	1.00900	0.20740	1.81059	112.35141	ug/L	08/19/10	01:14	
CCB	Mo	-0.08406	0.27680	-0.44493	607.10668	ug/L	08/19/10	01:14	
CCB	Na	184.78250	203.36172	166.20326	14.21942	ug/L	08/19/10	01:14	
CCB	Ni	-0.56152	-1.25925	0.13619	175.72250	ug/L	08/19/10	01:14	
CCB	Pb	0.45811	0.24370	0.67252	66.18849	ug/L	08/19/10	01:14	
CCB	Se	2.43300	2.93349	1.93250	29.09197	ug/L	08/19/10	01:14	
CCB	Sb	-4.46496	-4.24778	-4.68214	6.87885	ug/L	08/19/10	01:14	
CCB	Sn	4.63191	6.32508	2.93875	51.69562	ug/L	08/19/10	01:14	
CCB	Sr	0.46391	0.09508	0.83274	112.43651	ug/L	08/19/10	01:14	
CCB	Ti	0.28091	0.29429	0.26752	6.74039	ug/L	08/19/10	01:14	
CCB	Tl	0.02071	2.25563	-2.21420	15259.56054	ug/L	08/19/10	01:14	
CCB	V	1.31755	0.34604	2.28906	104.27816	ug/L	08/19/10	01:14	
CCB	Zn	0.88973	0.47150	1.30797	66.47722	ug/L	08/19/10	01:14	
CCB	2203/1	0.57891	-0.92277	2.08060	366.84338	ug/L	08/19/10	01:14	
CCB	2203/2	0.39780	0.82607	-0.03045	152.24899	ug/L	08/19/10	01:14	
CCB	1960/1	2.75509	5.45337	0.05681	138.50500	ug/L	08/19/10	01:14	
CCB	1960/2	2.27219	1.67544	2.86894	37.14169	ug/L	08/19/10	01:14	
CCB	Y	972.97155	972.41845	973.52471	0.08039		08/19/10	01:14	
60379-41	Ag	0.94676	1.21267	0.68085	39.71992	ug/L	08/19/10	01:19	
60379-41	Al	34539.62500	34575.97656	34503.27343	0.14884	ug/L	08/19/10	01:19	
60379-41	2Al	34.54166	34.57682	34.50650	0.14396	mg/L	08/19/10	01:19	
60379-41	As	8.94379	9.22157	8.66600	4.39246	ug/L	08/19/10	01:19	
60379-41	B	-3.15555	-3.22167	-3.08943	2.96331	ug/L	08/19/10	01:19	
60379-41	Ba	157.29113	157.36476	157.21749	0.06620	ug/L	08/19/10	01:19	
60379-41	Be	1.42381	1.41283	1.43478	1.09026	ug/L	08/19/10	01:19	
60379-41	Ca	11679.72949	11690.15527	11669.30371	0.12623	ug/L	08/19/10	01:19	
60379-41	Cd	0.58946	0.61347	0.56546	5.75985	ug/L	08/19/10	01:19	
60379-41	Co	16.23568	15.83048	16.64088	3.52950	ug/L	08/19/10	01:19	
60379-41	Cr	79.24335	79.62602	78.86068	0.68292	ug/L	08/19/10	01:19	
60379-41	Cu	44.71095	44.96104	44.46085	0.79105	ug/L	08/19/10	01:19	
60379-41	Fe	74404.89062	74437.05468	74372.72656	0.06113	ug/L	08/19/10	01:19	
60379-41	2Fe	74.39309	74.42288	74.36331	0.05662	mg/L	08/19/10	01:19	
60379-41	K	19466.59570	19461.69531	19471.49609	0.03560	ug/L	08/19/10	01:19	
60379-41	Mg	14528.29394	14543.08007	14513.50781	0.14393	ug/L	08/19/10	01:19	
60379-41	2Mg	14.51186	14.52664	14.49708	0.14401	mg/L	08/19/10	01:19	
60379-41	Mn	1644.78125	1645.62524	1643.93737	0.07256	ug/L	08/19/10	01:19	
60379-41	Mo	0.53358	0.97992	0.08725	118.29682	ug/L	08/19/10	01:19	
60379-41	Na	613.80969	551.09301	676.52642	14.44988	ug/L	08/19/10	01:19	
60379-41	Ni	24.30015	24.22013	24.38016	0.46565	ug/L	08/19/10	01:19	
60379-41	Pb	32.61069	31.59083	33.63054	4.42275	ug/L	08/19/10	01:19	
60379-41	Se	1.99376	-1.10403	5.09157	219.73219	ug/L	08/19/10	01:19	
60379-41	Sb	-4.70089	-7.80788	-1.59390	93.47050	ug/L	08/19/10	01:19	
60379-41	Sn	20.39842	19.30045	21.49639	7.61217	ug/L	08/19/10	01:19	
60379-41	Sr	20.48100	20.45317	20.50884	0.19221	ug/L	08/19/10	01:19	
60379-41	Ti	3911.59179	3912.71362	3910.46997	0.04055	ug/L	08/19/10	01:19	
60379-41	Tl	1.38892	0.50015	2.27770	90.49506	ug/L	08/19/10	01:19	
60379-41	V	118.99902	119.62628	118.37174	0.74546	ug/L	08/19/10	01:19	
60379-41	Zn	162.03433	161.79719	162.27148	0.20697	ug/L	08/19/10	01:19	
60379-41	2203/1	33.62602	34.52000	32.73204	3.75981	ug/L	08/19/10	01:19	
60379-41	2203/2	32.10378	30.12845	34.07911	8.70159	ug/L	08/19/10	01:19	
60379-41	1960/1	-4.60364	-6.92294	-2.28434	71.24758	ug/L	08/19/10	01:19	
60379-41	1960/2	5.28753	1.80106	8.77400	93.24977	ug/L	08/19/10	01:19	
60379-41	Y	979.28228	979.77770	978.78686	0.07154		08/19/10	01:19	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60379-45	Ag	0.83387	0.80414	0.86359	5.04085	ug/L	08/19/10	01:24	
60379-45	Al	41492.54296	41519.37890	41465.70703	0.09146	ug/L	08/19/10	01:24	
60379-45	2Al	41.49314	41.51937	41.46691	0.08938	mg/L	08/19/10	01:24	
60379-45	As	21.47205	20.07074	22.87335	9.22940	ug/L	08/19/10	01:24	
60379-45	B	-0.14487	0.27209	-0.56183	407.03103	ug/L	08/19/10	01:24	
60379-45	Ba	201.80377	201.67988	201.92767	0.08682	ug/L	08/19/10	01:24	
60379-45	Be	1.67103	1.69366	1.64841	1.91476	ug/L	08/19/10	01:24	
60379-45	Ca	15372.15234	15364.28515	15380.01953	0.07237	ug/L	08/19/10	01:24	
60379-45	Cd	0.85460	0.80886	0.90033	7.56904	ug/L	08/19/10	01:24	
60379-45	Co	18.51208	18.01518	19.00899	3.79606	ug/L	08/19/10	01:24	
60379-45	Cr	260.06726	260.41168	259.72286	0.18728	ug/L	08/19/10	01:24	
60379-45	Cu	175.24244	175.58868	174.89620	0.27941	ug/L	08/19/10	01:24	
60379-45	Fe	98375.17968	98422.17968	98328.17968	0.06756	ug/L	08/19/10	01:24	
60379-45	2Fe	98.35547	98.40165	98.30929	0.06640	mg/L	08/19/10	01:24	
60379-45	K	7792.79296	7790.93603	7794.65039	0.03370	ug/L	08/19/10	01:24	
60379-45	Mg	14327.77539	14334.50585	14321.04492	0.06643	ug/L	08/19/10	01:24	
60379-45	2Mg	14.30682	14.31354	14.30010	0.06642	mg/L	08/19/10	01:24	
60379-45	Mn	847.41711	847.89990	846.93426	0.08057	ug/L	08/19/10	01:24	
60379-45	Mo	0.42865	1.11226	-0.25494	225.53068	ug/L	08/19/10	01:24	
60379-45	Na	668.78173	715.49462	622.06890	9.87795	ug/L	08/19/10	01:24	
60379-45	Ni	50.99867	50.93996	51.05737	0.16278	ug/L	08/19/10	01:24	
60379-45	Pb	43.25495	43.44200	43.06790	0.61154	ug/L	08/19/10	01:24	
60379-45	Se	-2.46821	-4.11123	-0.82519	94.14004	ug/L	08/19/10	01:24	
60379-45	Sb	-3.41416	-2.29324	-4.53508	46.43050	ug/L	08/19/10	01:24	
60379-45	Sn	20.42986	21.44501	19.41471	7.02716	ug/L	08/19/10	01:24	
60379-45	Sr	36.36431	36.31527	36.41335	0.19071	ug/L	08/19/10	01:24	
60379-45	Ti	1827.44726	1828.33837	1826.55615	0.06896	ug/L	08/19/10	01:24	
60379-45	Tl	-2.83298	-1.42810	-4.23786	70.13112	ug/L	08/19/10	01:24	
60379-45	V	203.29014	203.14370	203.43658	0.10187	ug/L	08/19/10	01:24	
60379-45	Zn	137.73333	137.92333	137.54333	0.19509	ug/L	08/19/10	01:24	
60379-45	2203/1	44.35644	45.12276	43.59011	2.44326	ug/L	08/19/10	01:24	
60379-45	2203/2	42.70503	42.60287	42.80719	0.33830	ug/L	08/19/10	01:24	
60379-45	1960/1	-2.50076	-5.53943	0.53791	171.84118	ug/L	08/19/10	01:24	
60379-45	1960/2	-2.45196	-3.39819	-1.50573	54.57572	ug/L	08/19/10	01:24	
60379-45	Y	963.62097	962.66375	964.57812	0.14047		08/19/10	01:24	
60166-1	Ag	0.62556	0.20230	1.04882	95.68689	ug/L	08/19/10	01:30	
60166-1	Al	-22.44683	-23.03679	-21.85686	3.71694	ug/L	08/19/10	01:30	
60166-1	2Al	-0.02244	-0.02303	-0.02185	3.71694	mg/L	08/19/10	01:30	
60166-1	As	1.09957	2.83107	-0.63193	222.69726	ug/L	08/19/10	01:30	
60166-1	B	-17.08166	-17.28472	-16.87861	1.68112	ug/L	08/19/10	01:30	
60166-1	Ba	0.24786	0.15581	0.33992	52.52400	ug/L	08/19/10	01:30	
60166-1	Be	0.12531	0.12774	0.12287	2.75009	ug/L	08/19/10	01:30	
60166-1	Ca	113.64479	113.52352	113.76604	0.15089	ug/L	08/19/10	01:30	
60166-1	Cd	-0.04536	-0.22764	0.13690	568.19921	ug/L	08/19/10	01:30	
60166-1	Co	0.90242	1.00094	0.80390	15.43910	ug/L	08/19/10	01:30	
60166-1	Cr	0.57962	0.69201	0.46722	27.42293	ug/L	08/19/10	01:30	
60166-1	Cu	0.93681	0.33058	1.54304	91.51668	ug/L	08/19/10	01:30	
60166-1	Fe	12.47553	-0.59265	25.54372	148.13963	ug/L	08/19/10	01:30	
60166-1	2Fe	0.01247	-0.00059	0.02554	148.13552	mg/L	08/19/10	01:30	
60166-1	K	28.00046	20.92294	35.07799	35.74630	ug/L	08/19/10	01:30	
60166-1	Mg	10.04241	10.00652	10.07830	0.50537	ug/L	08/19/10	01:30	
60166-1	2Mg	0.01003	0.01000	0.01007	0.47328	mg/L	08/19/10	01:30	
60166-1	Mn	0.28726	0.26079	0.31373	13.03064	ug/L	08/19/10	01:30	
60166-1	Mo	-0.52211	-0.61623	-0.42800	25.49088	ug/L	08/19/10	01:30	
60166-1	Na	393.33935	411.04779	375.63092	6.36689	ug/L	08/19/10	01:30	
60166-1	Ni	-1.76079	-2.64906	-0.87252	71.34291	ug/L	08/19/10	01:30	
60166-1	Pb	0.71398	0.21381	1.21416	99.07057	ug/L	08/19/10	01:30	
60166-1	Se	-2.48434	0.18058	-5.14927	151.70091	ug/L	08/19/10	01:30	
60166-1	Sb	-1.42224	-6.70429	3.85980	525.22058	ug/L	08/19/10	01:30	
60166-1	Sn	16.71558	16.26880	17.16235	3.77991	ug/L	08/19/10	01:30	
60166-1	Sr	0.09327	0.07505	0.11150	27.63747	ug/L	08/19/10	01:30	
60166-1	Ti	2.09536	2.36256	1.82816	18.03401	ug/L	08/19/10	01:30	
60166-1	Tl	0.48499	1.97370	-1.00372	434.10293	ug/L	08/19/10	01:30	
60166-1	V	0.60236	0.28431	0.92041	74.67127	ug/L	08/19/10	01:30	
60166-1	Zn	17.06545	17.16656	16.96433	0.83794	ug/L	08/19/10	01:30	
60166-1	2203/1	2.10593	1.42210	2.78976	45.92161	ug/L	08/19/10	01:30	
60166-1	2203/2	0.01906	-0.38942	0.42754	3030.74096	ug/L	08/19/10	01:30	
60166-1	1960/1	0.36540	1.12372	-0.39292	293.49618	ug/L	08/19/10	01:30	
60166-1	1960/2	-3.90708	-0.29028	-7.52388	130.91413	ug/L	08/19/10	01:30	
60166-1	Y	958.74359	961.93261	955.55456	0.47040		08/19/10	01:30	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60164-1	Ag	0.44224	0.56492	0.31955	39.23249	ug/L	08/19/10	01:35	
60164-1	Al	107.76296	107.09593	108.42999	0.87536	ug/L	08/19/10	01:35	
60164-1	2Al	0.10777	0.10710	0.10844	0.87536	mg/L	08/19/10	01:35	
60164-1	As	1.75639	0.88589	2.62689	70.09107	ug/L	08/19/10	01:35	
60164-1	B	8.45461	9.29991	7.60932	14.13934	ug/L	08/19/10	01:35	
60164-1	Ba	5.78026	5.70280	5.85771	1.89500	ug/L	08/19/10	01:35	
60164-1	Be	0.14648	0.14462	0.14834	1.79467	ug/L	08/19/10	01:35	
60164-1	Ca	8717.65234	8725.81054	8709.49414	0.13234	ug/L	08/19/10	01:35	
60164-1	Cd	-0.15569	-0.29129	-0.02008	123.17321	ug/L	08/19/10	01:35	
60164-1	Co	0.29756	0.35874	0.23639	29.07440	ug/L	08/19/10	01:35	
60164-1	Cr	4.25238	4.29357	4.21118	1.37004	ug/L	08/19/10	01:35	
60164-1	Cu	20.19204	20.52120	19.86288	2.30538	ug/L	08/19/10	01:35	
60164-1	Fe	2495.82324	2495.09814	2496.54858	0.04109	ug/L	08/19/10	01:35	
60164-1	2Fe	2.49550	2.49478	2.49623	0.04109	mg/L	08/19/10	01:35	
60164-1	K	753.94311	760.40435	747.48193	1.21196	ug/L	08/19/10	01:35	
60164-1	Mg	1802.38195	1807.18041	1797.58349	0.37650	ug/L	08/19/10	01:35	
60164-1	2Mg	1.80146	1.80625	1.79666	0.37661	mg/L	08/19/10	01:35	
60164-1	Mn	57.64300	57.82234	57.46366	0.43999	ug/L	08/19/10	01:35	
60164-1	Mo	1.44404	2.00893	0.87914	55.32264	ug/L	08/19/10	01:35	
60164-1	Na	32391.83398	32525.71289	32257.95507	0.58450	ug/L	08/19/10	01:35	
60164-1	Ni	1.00965	0.74688	1.27243	36.80650	ug/L	08/19/10	01:35	
60164-1	Pb	3.25476	4.08555	2.42396	36.09853	ug/L	08/19/10	01:35	
60164-1	Se	-0.61305	-2.88989	1.66379	525.23248	ug/L	08/19/10	01:35	
60164-1	Sb	0.37331	3.83595	-3.08932	1311.74658	ug/L	08/19/10	01:35	
60164-1	Sn	15.67161	14.10982	17.23339	14.09363	ug/L	08/19/10	01:35	
60164-1	Sr	74.79299	74.90879	74.67719	0.21896	ug/L	08/19/10	01:35	
60164-1	Ti	3.73552	3.86934	3.60170	5.06626	ug/L	08/19/10	01:35	
60164-1	Tl	1.54441	2.90393	0.18489	124.49070	ug/L	08/19/10	01:35	
60164-1	V	0.78487	0.78750	0.78223	0.47463	ug/L	08/19/10	01:35	
60164-1	Zn	28.19163	28.26771	28.11554	0.38167	ug/L	08/19/10	01:35	
60164-1	2203/1	4.49570	4.45595	4.53544	1.25019	ug/L	08/19/10	01:35	
60164-1	2203/2	2.63522	3.90063	1.36980	67.90934	ug/L	08/19/10	01:35	
60164-1	1960/1	-6.92167	-6.12709	-7.71625	16.23460	ug/L	08/19/10	01:35	
60164-1	1960/2	2.53653	-1.27372	6.34678	212.43615	ug/L	08/19/10	01:35	
60164-1	Y	942.88500	940.37420	945.39587	0.37659		08/19/10	01:35	
60187-10	Ag	0.86653	1.10886	0.62420	39.54935	ug/L	08/19/10	01:40	
60187-10	Al	100752.33593	100806.28906	100698.38281	0.07573	ug/L	08/19/10	01:40	
60187-10	2Al	100.75271	100.80765	100.69778	0.07711	mg/L	08/19/10	01:40	
60187-10	As	23.50582	21.93861	25.07303	9.42902	ug/L	08/19/10	01:40	
60187-10	B	29.28554	29.27938	29.29170	0.02975	ug/L	08/19/10	01:40	
60187-10	Ba	507.39318	507.69805	507.08834	0.08496	ug/L	08/19/10	01:40	
60187-10	Be	7.72205	7.70702	7.73709	0.27534	ug/L	08/19/10	01:40	
60187-10	Ca	345892.25000	345908.75000	345875.78125	0.00673	ug/L	08/19/10	01:40	
60187-10	Cd	10.51222	10.67139	10.35306	2.14128	ug/L	08/19/10	01:40	
60187-10	Co	28.04913	27.51633	28.58194	2.68635	ug/L	08/19/10	01:40	
60187-10	Cr	149.75378	150.16307	149.34448	0.38652	ug/L	08/19/10	01:40	
60187-10	Cu	224.61059	224.92724	224.29396	0.19936	ug/L	08/19/10	01:40	
60187-10	Fe	112180.53125	112230.28906	112130.78125	0.06272	ug/L	08/19/10	01:40	
60187-10	2Fe	112.15740	112.20796	112.10686	0.06373	mg/L	08/19/10	01:40	
60187-10	K	4681.96142	4673.27197	4690.65087	0.26246	ug/L	08/19/10	01:40	
60187-10	Mg	9281.99414	9288.74902	9275.24023	0.10291	ug/L	08/19/10	01:40	
60187-10	2Mg	9.26007	9.26681	9.25332	0.10300	mg/L	08/19/10	01:40	
60187-10	Mn	916.69201	917.44891	915.93518	0.11676	ug/L	08/19/10	01:40	
60187-10	Mo	8.30872	8.36412	8.25331	0.94299	ug/L	08/19/10	01:40	
60187-10	Na	1484.09216	1466.49877	1501.68554	1.67649	ug/L	08/19/10	01:40	
60187-10	Ni	51.14117	51.50229	50.78004	0.99862	ug/L	08/19/10	01:40	
60187-10	Pb	580.49084	580.81030	580.17138	0.07782	ug/L	08/19/10	01:40	
60187-10	Se	0.78409	2.84481	-1.27663	371.68054	ug/L	08/19/10	01:40	
60187-10	Sb	-2.91649	-5.08334	-0.74963	105.07128	ug/L	08/19/10	01:40	
60187-10	Sn	49.01463	47.87416	50.15510	3.29059	ug/L	08/19/10	01:40	
60187-10	Sr	659.32751	660.00103	658.65399	0.14446	ug/L	08/19/10	01:40	
60187-10	Ti	1228.67724	1229.30126	1228.05334	0.07181	ug/L	08/19/10	01:40	
60187-10	Tl	-3.79535	-4.61880	-2.97191	30.68301	ug/L	08/19/10	01:40	
60187-10	V	268.67471	268.55810	268.79132	0.06137	ug/L	08/19/10	01:40	
60187-10	Zn	3338.86425	3340.55834	3337.17016	0.07175	ug/L	08/19/10	01:40	
60187-10	2203/1	590.86999	591.50848	590.23144	0.15282	ug/L	08/19/10	01:40	
60187-10	2203/2	575.30908	575.46923	575.14886	0.03937	ug/L	08/19/10	01:40	
60187-10	1960/1	-4.76477	-4.35172	-5.17782	12.25949	ug/L	08/19/10	01:40	
60187-10	1960/2	3.55436	6.43769	0.67102	114.72237	ug/L	08/19/10	01:40	
60187-10	Y	957.40637	956.44921	958.36358	0.14138		08/19/10	01:40	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60191-8	Ag	0.86167	0.76507	0.95826	15.85377	ug/L	08/19/10	01:46	
60191-8	Al	20635.00976	20618.41992	20651.59960	0.11369	ug/L	08/19/10	01:46	
60191-8	2Al	20.63522	20.61823	20.65221	0.11645	mg/L	08/19/10	01:46	
60191-8	As	35.85990	35.54799	36.17181	1.23008	ug/L	08/19/10	01:46	
60191-8	B	45.46377	45.09672	45.83081	1.14174	ug/L	08/19/10	01:46	
60191-8	Ba	146.19674	146.21612	146.17735	0.01875	ug/L	08/19/10	01:46	
60191-8	Be	1.92410	1.92183	1.92638	0.16722	ug/L	08/19/10	01:46	
60191-8	Ca	2234757.50000	2239925.50000	2229589.50000	0.32704	ug/L	08/19/10	01:46	
60191-8	Cd	1.26747	1.09197	1.44297	19.58186	ug/L	08/19/10	01:46	
60191-8	Co	10.93162	11.18313	10.68012	3.25369	ug/L	08/19/10	01:46	
60191-8	Cr	64.90933	65.16233	64.65633	0.55122	ug/L	08/19/10	01:46	
60191-8	Cu	26.72558	26.85261	26.59855	0.67219	ug/L	08/19/10	01:46	
60191-8	Fe	43968.76953	44018.92968	43918.60937	0.16133	ug/L	08/19/10	01:46	
60191-8	2Fe	43.96059	44.00986	43.91131	0.15850	mg/L	08/19/10	01:46	
60191-8	K	9932.86718	9925.22753	9940.50585	0.10876	ug/L	08/19/10	01:46	
60191-8	Mg	17231.63671	17246.95312	17216.32031	0.12570	ug/L	08/19/10	01:46	
60191-8	2Mg	17.21969	17.23499	17.20438	0.12568	mg/L	08/19/10	01:46	
60191-8	Mn	1414.24426	1415.94628	1412.54223	0.17019	ug/L	08/19/10	01:46	
60191-8	Mo	-0.55567	-0.55298	-0.55836	0.68417	ug/L	08/19/10	01:46	
60191-8	Na	1318.81835	1221.91687	1415.71997	10.39108	ug/L	08/19/10	01:46	
60191-8	Ni	32.27336	32.15628	32.39043	0.51302	ug/L	08/19/10	01:46	
60191-8	Pb	40.12834	41.19129	39.06539	3.74607	ug/L	08/19/10	01:46	
60191-8	Se	-2.43429	-2.02650	-2.84208	23.69085	ug/L	08/19/10	01:46	
60191-8	Sb	-0.64955	-1.84360	0.54448	259.96548	ug/L	08/19/10	01:46	
60191-8	Sn	16.01318	17.25066	14.77571	10.92884	ug/L	08/19/10	01:46	
60191-8	Sr	1125.63330	1127.42675	1123.83972	0.22533	ug/L	08/19/10	01:46	
60191-8	Ti	197.65304	198.18774	197.11834	0.38257	ug/L	08/19/10	01:46	
60191-8	Tl	-7.36996	-5.20222	-9.53769	41.59636	ug/L	08/19/10	01:46	
60191-8	V	158.78681	159.48042	158.09321	0.61774	ug/L	08/19/10	01:46	
60191-8	Zn	127.66149	128.38362	126.93936	0.79995	ug/L	08/19/10	01:46	
60191-8	2203/1	38.59261	37.86245	39.32276	2.67563	ug/L	08/19/10	01:46	
60191-8	2203/2	40.89505	42.85321	38.93689	6.77161	ug/L	08/19/10	01:46	
60191-8	1960/1	-3.87198	-5.24253	-2.50142	50.05860	ug/L	08/19/10	01:46	
60191-8	1960/2	-1.71652	-0.42089	-3.01216	106.74475	ug/L	08/19/10	01:46	
60191-8	Y	888.12316	885.09771	891.14868	0.48176		08/19/10	01:46	
PBW 177400	Ag	0.19987	0.26067	0.13908	43.01647	ug/L	08/19/10	01:53	
PBW 177400	Al	-24.06760	-22.16830	-25.96691	11.16033	ug/L	08/19/10	01:53	
PBW 177400	2Al	-0.02406	-0.02217	-0.02596	11.16033	mg/L	08/19/10	01:53	
PBW 177400	As	-2.84893	-1.93697	-3.76089	45.26991	ug/L	08/19/10	01:53	
PBW 177400	B	-18.86249	-19.17211	-18.55286	2.32140	ug/L	08/19/10	01:53	
PBW 177400	Ba	0.22244	0.23546	0.20942	8.28005	ug/L	08/19/10	01:53	
PBW 177400	Be	0.13282	0.15515	0.11049	23.77864	ug/L	08/19/10	01:53	
PBW 177400	Ca	49.48870	49.45031	49.52708	0.10968	ug/L	08/19/10	01:53	
PBW 177400	Cd	-0.15175	-0.15082	-0.15268	0.86631	ug/L	08/19/10	01:53	
PBW 177400	Co	1.20635	1.85298	0.55972	75.80465	ug/L	08/19/10	01:53	
PBW 177400	Cr	1.62460	1.97095	1.27824	30.15009	ug/L	08/19/10	01:53	
PBW 177400	Cu	1.78287	1.92116	1.64458	10.96977	ug/L	08/19/10	01:53	
PBW 177400	Fe	32.88121	23.86609	41.89632	38.77379	ug/L	08/19/10	01:53	
PBW 177400	2Fe	0.03287	0.02386	0.04189	38.77244	mg/L	08/19/10	01:53	
PBW 177400	K	26.38335	33.78977	18.97693	39.70025	ug/L	08/19/10	01:53	
PBW 177400	Mg	2.52981	5.04784	0.01177	140.76303	ug/L	08/19/10	01:53	
PBW 177400	2Mg	0.00252	0.00504	0.00000	141.15940	mg/L	08/19/10	01:53	
PBW 177400	Mn	0.50816	0.43205	0.58427	21.18164	ug/L	08/19/10	01:53	
PBW 177400	Mo	-1.80429	-0.42715	-3.18142	107.94039	ug/L	08/19/10	01:53	
PBW 177400	Na	206.21945	281.49639	130.94252	51.62348	ug/L	08/19/10	01:53	
PBW 177400	Ni	0.64869	0.70347	0.59392	11.94128	ug/L	08/19/10	01:53	
PBW 177400	Pb	-0.43534	-0.34422	-0.52647	29.60168	ug/L	08/19/10	01:53	
PBW 177400	Se	-1.09909	-3.34358	1.14539	288.80068	ug/L	08/19/10	01:53	
PBW 177400	Sb	-4.29274	-4.76688	-3.81860	15.62019	ug/L	08/19/10	01:53	
PBW 177400	Sn	15.94755	12.56401	19.33110	30.00491	ug/L	08/19/10	01:53	
PBW 177400	Sr	0.06867	0.07580	0.06153	14.69173	ug/L	08/19/10	01:53	
PBW 177400	Ti	0.22503	0.26622	0.18385	25.88267	ug/L	08/19/10	01:53	
PBW 177400	Tl	-2.83388	-1.17989	-4.48787	82.54036	ug/L	08/19/10	01:53	
PBW 177400	V	0.22240	0.22511	0.21969	1.72193	ug/L	08/19/10	01:53	
PBW 177400	Zn	5.06670	5.27811	4.85529	5.90086	ug/L	08/19/10	01:53	
PBW 177400	2203/1	0.16890	-0.88414	1.22194	881.70037	ug/L	08/19/10	01:53	
PBW 177400	2203/2	-0.73702	-0.07466	-1.39937	127.09371	ug/L	08/19/10	01:53	
PBW 177400	1960/1	-4.05550	-7.90144	-0.20957	134.11331	ug/L	08/19/10	01:53	
PBW 177400	1960/2	0.37689	-1.06807	1.82186	542.18798	ug/L	08/19/10	01:53	
PBW 177400	Y	954.32324	954.66955	953.97686	0.05132		08/19/10	01:53	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSS-1	Ag	53.70399	53.59723	53.81074	0.28112	ug/L	08/19/10	01:58	
LCSS-1	Al	2138.95800	2137.12988	2140.78588	0.12086	ug/L	08/19/10	01:58	
LCSS-1	2Al	2.13915	2.13732	2.14098	0.12085	mg/L	08/19/10	01:58	
LCSS-1	As	2106.23046	2105.21850	2107.24243	0.06794	ug/L	08/19/10	01:58	
LCSS-1	B	1030.72106	1027.14916	1034.29296	0.49008	ug/L	08/19/10	01:58	
LCSS-1	Ba	2160.04882	2157.48510	2162.61254	0.16785	ug/L	08/19/10	01:58	
LCSS-1	Be	52.91089	52.97061	52.85118	0.15960	ug/L	08/19/10	01:58	
LCSS-1	Ca	5406.68554	5409.17138	5404.19970	0.06502	ug/L	08/19/10	01:58	
LCSS-1	Cd	53.00135	53.17858	52.82413	0.47288	ug/L	08/19/10	01:58	
LCSS-1	Co	540.47589	540.54315	540.40863	0.01759	ug/L	08/19/10	01:58	
LCSS-1	Cr	214.58743	214.84194	214.33291	0.16773	ug/L	08/19/10	01:58	
LCSS-1	Cu	268.84130	269.07135	268.61129	0.12100	ug/L	08/19/10	01:58	
LCSS-1	Fe	1092.51489	1098.04284	1086.98693	0.71556	ug/L	08/19/10	01:58	
LCSS-1	2Fe	1.09260	1.09813	1.08707	0.71542	mg/L	08/19/10	01:58	
LCSS-1	K	5331.74365	5329.95068	5333.53662	0.04755	ug/L	08/19/10	01:58	
LCSS-1	Mg	5493.52685	5494.37597	5492.67773	0.02185	ug/L	08/19/10	01:58	
LCSS-1	2Mg	5.49203	5.49288	5.49118	0.02183	mg/L	08/19/10	01:58	
LCSS-1	Mn	546.16778	546.50573	545.82983	0.08750	ug/L	08/19/10	01:58	
LCSS-1	Mo	518.11621	517.31243	518.91992	0.21938	ug/L	08/19/10	01:58	
LCSS-1	Na	5338.73193	5301.42822	5376.03564	0.98816	ug/L	08/19/10	01:58	
LCSS-1	Ni	536.71850	535.73156	537.70538	0.26004	ug/L	08/19/10	01:58	
LCSS-1	Pb	538.49505	539.63940	537.35070	0.30053	ug/L	08/19/10	01:58	
LCSS-1	Se	2098.30175	2101.08666	2095.51684	0.18769	ug/L	08/19/10	01:58	
LCSS-1	Sb	524.20410	523.44219	524.96600	0.20554	ug/L	08/19/10	01:58	
LCSS-1	Sn	1095.25427	1094.00866	1096.49987	0.16083	ug/L	08/19/10	01:58	
LCSS-1	Sr	527.05157	526.49749	527.60565	0.14867	ug/L	08/19/10	01:58	
LCSS-1	Ti	740.65258	740.89270	740.41241	0.04585	ug/L	08/19/10	01:58	
LCSS-1	Tl	2185.82983	2180.41748	2191.24218	0.35017	ug/L	08/19/10	01:58	
LCSS-1	V	554.02325	553.92681	554.11968	0.02461	ug/L	08/19/10	01:58	
LCSS-1	Zn	551.96820	552.48339	551.45300	0.13200	ug/L	08/19/10	01:58	
LCSS-1	2203/1	546.28417	547.29766	545.27069	0.26237	ug/L	08/19/10	01:58	
LCSS-1	2203/2	534.60632	535.81604	533.39666	0.32000	ug/L	08/19/10	01:58	
LCSS-1	1960/1	2137.77856	2136.23632	2139.32080	0.10202	ug/L	08/19/10	01:58	
LCSS-1	1960/2	2078.59228	2083.53759	2073.64697	0.33646	ug/L	08/19/10	01:58	
LCSS-1	Y	952.00000	950.10003	953.89990	0.28223		08/19/10	01:58	
60283-1	Ag	1.63852	1.95549	1.32155	27.35762	ug/L	08/19/10	02:03	
60283-1	Al	157515.37500	157596.42187	157434.34375	0.07275	ug/L	08/19/10	02:03	
60283-1	2Al	157.51840	157.59918	157.43762	0.07252	mg/L	08/19/10	02:03	
60283-1	As	112.36642	113.01290	111.71993	0.81365	ug/L	08/19/10	02:03	
60283-1	B	110.03799	110.82993	109.24604	1.01780	ug/L	08/19/10	02:03	
60283-1	Ba	1763.48730	1762.53979	1764.43481	0.07598	ug/L	08/19/10	02:03	
60283-1	Be	6.66573	6.66354	6.66792	0.04648	ug/L	08/19/10	02:03	
60283-1	Ca	747668.81250	747743.00000	747594.62500	0.01403	ug/L	08/19/10	02:03	
60283-1	Cd	22.46394	22.30297	22.62492	1.01339	ug/L	08/19/10	02:03	
60283-1	Co	64.00662	64.17418	63.83905	0.37023	ug/L	08/19/10	02:03	
60283-1	Cr	540.59106	540.71655	540.46563	0.03282	ug/L	08/19/10	02:03	
60283-1	Cu	927.50787	926.71313	928.30261	0.12117	ug/L	08/19/10	02:03	
60283-1	Fe	403338.21875	403162.50000	403513.93750	0.06161	ug/L	08/19/10	02:03	
60283-1	2Fe	403.25750	403.08090	403.43414	0.06194	mg/L	08/19/10	02:03	
60283-1	K	34209.73437	34210.96484	34208.50000	0.00509	ug/L	08/19/10	02:03	
60283-1	Mg	35807.74609	35798.12890	35817.36328	0.03798	ug/L	08/19/10	02:03	
60283-1	2Mg	35.72854	35.71895	35.73812	0.03794	mg/L	08/19/10	02:03	
60283-1	Mn	3962.92187	3961.33178	3964.51220	0.05674	ug/L	08/19/10	02:03	
60283-1	Mo	27.40716	29.21621	25.59811	9.33472	ug/L	08/19/10	02:03	
60283-1	Na	879.88500	704.84698	1054.92309	28.13335	ug/L	08/19/10	02:03	
60283-1	Ni	214.75148	214.03419	215.46876	0.47235	ug/L	08/19/10	02:03	
60283-1	Pb	16154.93359	16181.65429	16128.21191	0.23391	ug/L	08/19/10	02:03	
60283-1	Se	6.83553	9.85778	3.81328	62.52775	ug/L	08/19/10	02:03	
60283-1	Sb	14.84107	13.30155	16.38059	14.67017	ug/L	08/19/10	02:03	
60283-1	Sn	111.66484	113.84470	109.48499	2.76074	ug/L	08/19/10	02:03	
60283-1	Sr	970.34973	968.11614	972.58337	0.32553	ug/L	08/19/10	02:03	
60283-1	Ti	503.57931	503.51785	503.64077	0.01726	ug/L	08/19/10	02:03	
60283-1	Tl	-15.25048	-12.55204	-17.94892	25.02327	ug/L	08/19/10	02:03	
60283-1	V	255.75317	255.30836	256.19796	0.24595	ug/L	08/19/10	02:03	
60283-1	Zn	3480.74755	3482.49194	3479.00341	0.07086	ug/L	08/19/10	02:03	
60283-1	2203/1	16404.12109	16433.93164	16374.30957	0.25700	ug/L	08/19/10	02:03	
60283-1	2203/2	16030.52636	16055.70507	16005.34765	0.22212	ug/L	08/19/10	02:03	
60283-1	1960/1	-3.90798	-1.51357	-6.30238	86.64827	ug/L	08/19/10	02:03	
60283-1	1960/2	12.19923	15.53493	8.86353	38.66955	ug/L	08/19/10	02:03	
60283-1	Y	918.73400	917.29583	920.17218	0.22137		08/19/10	02:03	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60283-2	Ag	0.50407	0.19817	0.80996	85.82070	ug/L	08/19/10	02:08	
60283-2	Al	255880.39062	255501.01562	256259.76562	0.20967	ug/L	08/19/10	02:08	
60283-2	2Al	255.89065	255.50791	256.27337	0.21152	mg/L	08/19/10	02:08	
60283-2	As	34.97574	30.44239	39.50910	18.33020	ug/L	08/19/10	02:08	
60283-2	B	104.21758	101.59090	106.84426	3.56435	ug/L	08/19/10	02:08	
60283-2	Ba	1438.34765	1436.82031	1439.87500	0.15017	ug/L	08/19/10	02:08	
60283-2	Be	9.79264	9.79346	9.79182	0.01180	ug/L	08/19/10	02:08	
60283-2	Ca	550555.87500	549716.43750	551395.25000	0.21561	ug/L	08/19/10	02:08	
60283-2	Cd	3.28218	3.23394	3.33043	2.07877	ug/L	08/19/10	02:08	
60283-2	Co	89.44960	88.22417	90.67502	1.93741	ug/L	08/19/10	02:08	
60283-2	Cr	210.49969	209.06253	211.93684	0.96553	ug/L	08/19/10	02:08	
60283-2	Cu	104.90914	103.62367	106.19462	1.73286	ug/L	08/19/10	02:08	
60283-2	Fe	155939.64062	155801.89062	156077.39062	0.12492	ug/L	08/19/10	02:08	
60283-2	2Fe	155.91253	155.77235	156.05271	0.12715	mg/L	08/19/10	02:08	
60283-2	K	45991.26171	46014.46093	45968.06250	0.07133	ug/L	08/19/10	02:08	
60283-2	Mg	51924.17187	51825.40625	52022.93359	0.26899	ug/L	08/19/10	02:08	
60283-2	2Mg	51.88390	51.78519	51.98262	0.26906	mg/L	08/19/10	02:08	
60283-2	Mn	3948.50195	3944.86572	3952.13818	0.13023	ug/L	08/19/10	02:08	
60283-2	Mo	-0.83749	-0.14465	-1.53032	116.99397	ug/L	08/19/10	02:08	
60283-2	Na	1243.80468	1222.07751	1265.53186	2.47039	ug/L	08/19/10	02:08	
60283-2	Ni	124.53715	124.90399	124.17031	0.41657	ug/L	08/19/10	02:08	
60283-2	Pb	505.08746	505.96710	504.20782	0.24629	ug/L	08/19/10	02:08	
60283-2	Se	0.67829	3.97972	-2.62312	688.32696	ug/L	08/19/10	02:08	
60283-2	Sb	-2.68270	-3.13186	-2.23354	23.67785	ug/L	08/19/10	02:08	
60283-2	Sn	24.33493	26.93311	21.73676	15.09916	ug/L	08/19/10	02:08	
60283-2	Sr	837.33142	835.42504	839.23785	0.32198	ug/L	08/19/10	02:08	
60283-2	Ti	847.64404	845.81372	849.47430	0.30536	ug/L	08/19/10	02:08	
60283-2	Tl	-7.57761	-7.97887	-7.17634	7.48886	ug/L	08/19/10	02:08	
60283-2	V	309.32785	308.71771	309.93798	0.27894	ug/L	08/19/10	02:08	
60283-2	Zn	507.00158	505.19589	508.80728	0.50367	ug/L	08/19/10	02:08	
60283-2	2203/1	504.84136	513.27221	496.41055	2.36173	ug/L	08/19/10	02:08	
60283-2	2203/2	505.21032	502.32000	508.10061	0.80907	ug/L	08/19/10	02:08	
60283-2	1960/1	-9.75943	-3.51307	-16.00579	90.51433	ug/L	08/19/10	02:08	
60283-2	1960/2	5.88934	7.72050	4.05817	43.97188	ug/L	08/19/10	02:08	
60283-2	Y	946.67053	948.93603	944.40496	0.33844		08/19/10	02:08	
CCV	Ag	497.25231	499.68942	494.81518	0.69313	ug/L	08/19/10	02:14	
CCV	Al	5029.81103	5030.02929	5029.59277	0.00613	ug/L	08/19/10	02:14	
CCV	2Al	5.02999	5.03021	5.02977	0.00609	mg/L	08/19/10	02:14	
CCV	As	500.86001	500.10614	501.61389	0.21286	ug/L	08/19/10	02:14	
CCV	B	4912.88623	4918.86621	4906.90625	0.17213	ug/L	08/19/10	02:14	
CCV	Ba	4972.91308	4985.68652	4960.14013	0.36324	ug/L	08/19/10	02:14	
CCV	Be	497.61688	499.29751	495.93627	0.47762	ug/L	08/19/10	02:14	
CCV	Ca	5214.32519	5179.69531	5248.95556	0.93922	ug/L	08/19/10	02:14	
CCV	Cd	492.08294	493.89303	490.27288	0.52020	ug/L	08/19/10	02:14	
CCV	Co	503.13043	505.34460	500.91629	0.62236	ug/L	08/19/10	02:14	
CCV	Cr	4997.93847	5017.81005	4978.06689	0.56228	ug/L	08/19/10	02:14	
CCV	Cu	4963.19335	4976.93017	4949.45605	0.39142	ug/L	08/19/10	02:14	
CCV	Fe	4992.30468	4975.79492	5008.81445	0.46768	ug/L	08/19/10	02:14	
CCV	2Fe	4.99232	4.97582	5.00883	0.46755	mg/L	08/19/10	02:14	
CCV	K	10351.29492	10376.20996	10326.37890	0.34040	ug/L	08/19/10	02:14	
CCV	Mg	5229.37890	5249.63037	5209.12744	0.54767	ug/L	08/19/10	02:14	
CCV	2Mg	5.22934	5.24960	5.20908	0.54786	mg/L	08/19/10	02:14	
CCV	Mn	5070.66503	5091.49267	5049.83789	0.58087	ug/L	08/19/10	02:14	
CCV	Mo	491.52691	493.91485	489.13900	0.68704	ug/L	08/19/10	02:14	
CCV	Na	7618.69580	7626.74902	7610.64257	0.14948	ug/L	08/19/10	02:14	
CCV	Ni	2507.05078	2522.15332	2491.94824	0.85192	ug/L	08/19/10	02:14	
CCV	Pb	507.96160	513.24255	502.68069	1.47026	ug/L	08/19/10	02:14	
CCV	Se	4946.81982	4973.65527	4919.98437	0.76718	ug/L	08/19/10	02:14	
CCV	Sb	496.63787	495.12573	498.14999	0.43059	ug/L	08/19/10	02:14	
CCV	Sn	5160.57324	5182.74707	5138.39892	0.60766	ug/L	08/19/10	02:14	
CCV	Sr	2454.23779	2463.30078	2445.17504	0.52223	ug/L	08/19/10	02:14	
CCV	Ti	498.12841	499.92172	496.33511	0.50912	ug/L	08/19/10	02:14	
CCV	Tl	4972.06445	4981.32373	4962.80517	0.26336	ug/L	08/19/10	02:14	
CCV	V	5205.95117	5227.55517	5184.34716	0.58687	ug/L	08/19/10	02:14	
CCV	Zn	2555.25341	2568.10864	2542.39843	0.71146	ug/L	08/19/10	02:14	
CCV	2203/1	517.33654	520.81750	513.85552	0.95157	ug/L	08/19/10	02:14	
CCV	2203/2	503.27648	509.45602	497.09692	1.73646	ug/L	08/19/10	02:14	
CCV	1960/1	5061.98535	5086.82763	5037.14355	0.69403	ug/L	08/19/10	02:14	
CCV	1960/2	4889.32324	4917.15429	4861.49267	0.80499	ug/L	08/19/10	02:14	
CCV	Y	953.08221	948.46459	957.69982	0.68517		08/19/10	02:14	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.01200	-0.28442	0.26040	3208.22631	ug/L	08/19/10	02:19	
CCB	Al	-19.23517	-27.28011	-11.19023	59.14820	ug/L	08/19/10	02:19	
CCB	2Al	-0.01923	-0.02728	-0.01119	59.14813	mg/L	08/19/10	02:19	
CCB	As	-0.16779	-2.35133	2.01574	1840.36499	ug/L	08/19/10	02:19	
CCB	B	12.49059	13.38132	11.59986	10.08508	ug/L	08/19/10	02:19	
CCB	Ba	0.89108	0.11749	1.66467	122.77425	ug/L	08/19/10	02:19	
CCB	Be	0.20465	0.14491	0.26440	41.28293	ug/L	08/19/10	02:19	
CCB	Ca	23.85326	7.86807	39.83846	94.77310	ug/L	08/19/10	02:19	
CCB	Cd	-0.10648	-0.35250	0.13953	326.73901	ug/L	08/19/10	02:19	
CCB	Co	0.12376	0.16239	0.08513	44.14484	ug/L	08/19/10	02:19	
CCB	Cr	1.04654	0.64028	1.45281	54.89889	ug/L	08/19/10	02:19	
CCB	Cu	1.04529	0.11472	1.97585	125.89929	ug/L	08/19/10	02:19	
CCB	Fe	-9.33192	-13.41984	-5.24399	61.95083	ug/L	08/19/10	02:19	
CCB	2Fe	-0.00933	-0.01341	-0.00524	61.95257	mg/L	08/19/10	02:19	
CCB	K	5.88826	-2.11616	13.89268	192.24623	ug/L	08/19/10	02:19	
CCB	Mg	0.00556	-0.00088	0.01201	163.84780	ug/L	08/19/10	02:19	
CCB	2Mg	0.00000	0.00000	0.00001	112.43917	mg/L	08/19/10	02:19	
CCB	Mn	0.95556	0.19582	1.71530	112.43917	ug/L	08/19/10	02:19	
CCB	Mo	-0.24251	-1.25314	0.76812	589.35394	ug/L	08/19/10	02:19	
CCB	Na	46.37968	93.43289	-0.67352	143.47508	ug/L	08/19/10	02:19	
CCB	Ni	0.32173	-0.55111	1.19458	383.66571	ug/L	08/19/10	02:19	
CCB	Pb	3.06283	4.57172	1.55394	69.67058	ug/L	08/19/10	02:19	
CCB	Se	-0.05024	2.32146	-2.42195	6675.83056	ug/L	08/19/10	02:19	
CCB	Sb	-5.63089	-7.14742	-4.11436	38.08806	ug/L	08/19/10	02:19	
CCB	Sn	0.85164	0.42058	1.28269	71.58048	ug/L	08/19/10	02:19	
CCB	Sr	0.45232	0.14726	0.75739	95.37780	ug/L	08/19/10	02:19	
CCB	Ti	0.26607	0.21120	0.32095	29.16370	ug/L	08/19/10	02:19	
CCB	Tl	4.18010	7.94360	0.41661	127.32651	ug/L	08/19/10	02:19	
CCB	V	1.24090	0.63894	1.84287	68.60309	ug/L	08/19/10	02:19	
CCB	Zn	0.48944	-0.25691	1.23579	215.65397	ug/L	08/19/10	02:19	
CCB	2203/1	2.12456	5.05583	-0.80670	195.11940	ug/L	08/19/10	02:19	
CCB	2203/2	3.53126	4.33003	2.73249	31.98938	ug/L	08/19/10	02:19	
CCB	1960/1	-0.67098	0.73473	-2.07669	296.27835	ug/L	08/19/10	02:19	
CCB	1960/2	0.25966	3.11364	-2.59432	1554.37866	ug/L	08/19/10	02:19	
CCB	Y	954.67913	955.74694	953.61132	0.15817		08/19/10	02:19	
60283-3	Ag	1.71974	1.91733	1.52216	16.24831	ug/L	08/19/10	02:25	
60283-3	Al	101508.44531	101544.32812	101472.56250	0.04999	ug/L	08/19/10	02:25	
60283-3	2Al	101.51276	101.54681	101.47871	0.04743	mg/L	08/19/10	02:25	
60283-3	As	60.03501	60.93801	59.13202	2.12713	ug/L	08/19/10	02:25	
60283-3	B	102.33566	101.34729	103.32404	1.36587	ug/L	08/19/10	02:25	
60283-3	Ba	1324.58581	1324.55737	1324.61425	0.00303	ug/L	08/19/10	02:25	
60283-3	Be	4.60279	4.60288	4.60270	0.00265	ug/L	08/19/10	02:25	
60283-3	Ca	1350278.50000	1351758.75000	1348798.25000	0.15503	ug/L	08/19/10	02:25	
60283-3	Cd	32.19531	32.07848	32.31214	0.51317	ug/L	08/19/10	02:25	
60283-3	Co	36.91443	36.98244	36.84642	0.26055	ug/L	08/19/10	02:25	
60283-3	Cr	361.91528	362.38299	361.44757	0.18276	ug/L	08/19/10	02:25	
60283-3	Cu	868.96856	869.60711	868.33001	0.10392	ug/L	08/19/10	02:25	
60283-3	Fe	167746.53125	167850.64062	167642.40625	0.08777	ug/L	08/19/10	02:25	
60283-3	2Fe	167.71752	167.81903	167.61604	0.08558	mg/L	08/19/10	02:25	
60283-3	K	25514.88281	25509.30859	25520.45507	0.03089	ug/L	08/19/10	02:25	
60283-3	Mg	27312.95703	27336.40039	27289.51562	0.12138	ug/L	08/19/10	02:25	
60283-3	2Mg	27.27659	27.30001	27.25317	0.12141	mg/L	08/19/10	02:25	
60283-3	Mn	1832.04956	1832.89050	1831.20861	0.06491	ug/L	08/19/10	02:25	
60283-3	Mo	13.45999	13.33544	13.58454	1.30862	ug/L	08/19/10	02:25	
60283-3	Na	750.08862	584.13208	916.04510	31.28936	ug/L	08/19/10	02:25	
60283-3	Ni	155.88507	156.38771	155.38241	0.45600	ug/L	08/19/10	02:25	
60283-3	Pb	15757.88671	15804.05761	15711.71679	0.41436	ug/L	08/19/10	02:25	
60283-3	Se	3.96286	2.08270	5.84301	67.09654	ug/L	08/19/10	02:25	
60283-3	Sb	25.41998	26.78803	24.05193	7.61100	ug/L	08/19/10	02:25	
60283-3	Sn	504.41534	504.01599	504.81469	0.11196	ug/L	08/19/10	02:25	
60283-3	Sr	1284.89489	1283.93420	1285.85559	0.10573	ug/L	08/19/10	02:25	
60283-3	Ti	534.47631	534.22332	534.72930	0.06694	ug/L	08/19/10	02:25	
60283-3	Tl	-7.63190	-4.95191	-10.31189	49.66104	ug/L	08/19/10	02:25	
60283-3	V	216.96366	216.40557	217.52175	0.36377	ug/L	08/19/10	02:25	
60283-3	Zn	7257.22656	7270.00390	7244.44970	0.24898	ug/L	08/19/10	02:25	
60283-3	2203/1	16040.91015	16088.39843	15993.42089	0.41867	ug/L	08/19/10	02:25	
60283-3	2203/2	15616.58789	15662.10058	15571.07617	0.41215	ug/L	08/19/10	02:25	
60283-3	1960/1	1.33403	-1.53178	4.19986	303.80593	ug/L	08/19/10	02:25	
60283-3	1960/2	5.27530	3.88723	6.66336	37.21143	ug/L	08/19/10	02:25	
60283-3	Y	905.31408	901.09576	909.53247	0.65895		08/19/10	02:25	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60283-4	Ag	0.77725	0.44267	1.11182	60.87610	ug/L	08/19/10	02:30	
60283-4	Al	183260.68750	183393.28125	183128.09375	0.10232	ug/L	08/19/10	02:30	
60283-4	2Al	183.27392	183.40530	183.14256	0.10137	mg/L	08/19/10	02:30	
60283-4	As	25.01153	24.19709	25.82596	4.60502	ug/L	08/19/10	02:30	
60283-4	B	84.00124	84.62384	83.37864	1.04818	ug/L	08/19/10	02:30	
60283-4	Ba	977.19982	977.52545	976.87420	0.04712	ug/L	08/19/10	02:30	
60283-4	Be	8.08720	8.09257	8.08184	0.09379	ug/L	08/19/10	02:30	
60283-4	Ca	584427.56250	584773.43750	584081.68750	0.08369	ug/L	08/19/10	02:30	
60283-4	Cd	7.12960	6.91315	7.34604	4.29341	ug/L	08/19/10	02:30	
60283-4	Co	46.92462	46.95097	46.89826	0.07942	ug/L	08/19/10	02:30	
60283-4	Cr	165.51348	165.75059	165.27639	0.20258	ug/L	08/19/10	02:30	
60283-4	Cu	113.16683	113.17861	113.15504	0.01473	ug/L	08/19/10	02:30	
60283-4	Fe	122577.12500	122746.84375	122407.40625	0.19581	ug/L	08/19/10	02:30	
60283-4	2Fe	122.55917	122.72805	122.39028	0.19488	mg/L	08/19/10	02:30	
60283-4	K	36122.88281	36169.41796	36076.34375	0.18219	ug/L	08/19/10	02:30	
60283-4	Mg	40685.17578	40716.06640	40654.28515	0.10737	ug/L	08/19/10	02:30	
60283-4	2Mg	40.65372	40.68457	40.62286	0.10733	mg/L	08/19/10	02:30	
60283-4	Mn	3448.71533	3450.98657	3446.44409	0.09313	ug/L	08/19/10	02:30	
60283-4	Mo	-0.42551	-0.61073	-0.24030	61.55644	ug/L	08/19/10	02:30	
60283-4	Na	1050.28247	1106.00878	994.55609	7.50359	ug/L	08/19/10	02:30	
60283-4	Ni	108.25273	109.35851	107.14696	1.44458	ug/L	08/19/10	02:30	
60283-4	Pb	806.18798	799.79687	812.57904	1.12112	ug/L	08/19/10	02:30	
60283-4	Se	1.98759	2.79826	1.17693	57.68024	ug/L	08/19/10	02:30	
60283-4	Sb	-3.22314	-6.42784	-0.01844	140.61186	ug/L	08/19/10	02:30	
60283-4	Sn	22.07438	22.73294	21.41583	4.21907	ug/L	08/19/10	02:30	
60283-4	Sr	897.31909	896.35430	898.28387	0.15205	ug/L	08/19/10	02:30	
60283-4	Ti	476.75286	477.37509	476.13064	0.18457	ug/L	08/19/10	02:30	
60283-4	Tl	-3.34016	-3.64597	-3.03435	12.94793	ug/L	08/19/10	02:30	
60283-4	V	249.52066	249.13717	249.90414	0.21734	ug/L	08/19/10	02:30	
60283-4	Zn	730.82946	730.82373	730.83514	0.00110	ug/L	08/19/10	02:30	
60283-4	2203/1	813.98059	808.80322	819.15795	0.89951	ug/L	08/19/10	02:30	
60283-4	2203/2	802.29748	795.30047	809.29449	1.23336	ug/L	08/19/10	02:30	
60283-4	1960/1	1.43412	0.13185	2.73639	128.41889	ug/L	08/19/10	02:30	
60283-4	1960/2	2.26392	4.12946	0.39837	116.53600	ug/L	08/19/10	02:30	
60283-4	Y	953.26019	954.72723	951.79315	0.21764		08/19/10	02:30	
60283-5	Ag	7.74856	7.71696	7.78016	0.57674	ug/L	08/19/10	02:35	
60283-5	Al	93761.24218	93826.74218	93695.74218	0.09879	ug/L	08/19/10	02:35	
60283-5	2Al	93.76720	93.83347	93.70093	0.09994	mg/L	08/19/10	02:35	
60283-5	As	61.45322	58.47824	64.42820	6.84627	ug/L	08/19/10	02:35	
60283-5	B	71.43650	72.64166	70.23134	2.38582	ug/L	08/19/10	02:35	
60283-5	Ba	2263.49414	2263.03491	2263.95361	0.02869	ug/L	08/19/10	02:35	
60283-5	Be	4.56712	4.55560	4.57863	0.35644	ug/L	08/19/10	02:35	
60283-5	Ca	1563745.50000	1564222.62500	1563268.50000	0.04314	ug/L	08/19/10	02:35	
60283-5	Cd	27.77076	28.01675	27.52477	1.25270	ug/L	08/19/10	02:35	
60283-5	Co	35.49655	35.68336	35.30973	0.74428	ug/L	08/19/10	02:35	
60283-5	Cr	204.16780	204.62123	203.71437	0.31407	ug/L	08/19/10	02:35	
60283-5	Cu	870.77612	871.12127	870.43096	0.05605	ug/L	08/19/10	02:35	
60283-5	Fe	148476.17187	148485.42187	148466.92187	0.00881	ug/L	08/19/10	02:35	
60283-5	2Fe	148.45397	148.46493	148.44302	0.01043	mg/L	08/19/10	02:35	
60283-5	K	22885.51171	22900.18945	22870.83593	0.09069	ug/L	08/19/10	02:35	
60283-5	Mg	27009.31250	27014.72460	27003.90039	0.02833	ug/L	08/19/10	02:35	
60283-5	2Mg	26.97637	26.98178	26.97096	0.02835	mg/L	08/19/10	02:35	
60283-5	Mn	1716.89648	1718.31213	1715.48095	0.11660	ug/L	08/19/10	02:35	
60283-5	Mo	7.31735	6.31239	8.32230	19.42264	ug/L	08/19/10	02:35	
60283-5	Na	908.16357	888.33557	927.99157	3.08766	ug/L	08/19/10	02:35	
60283-5	Ni	111.39930	112.43757	110.36103	1.31808	ug/L	08/19/10	02:35	
60283-5	Pb	25897.69921	25926.34179	25869.05468	0.15641	ug/L	08/19/10	02:35	
60283-5	Se	3.42682	4.07055	2.78308	26.56614	ug/L	08/19/10	02:35	
60283-5	Sb	11.14578	8.16651	14.12504	37.80188	ug/L	08/19/10	02:35	
60283-5	Sn	3676.51293	3680.68872	3672.33715	0.16062	ug/L	08/19/10	02:35	
60283-5	Sr	1667.05249	1665.06201	1669.04296	0.16885	ug/L	08/19/10	02:35	
60283-5	Ti	383.11361	383.06219	383.16503	0.01898	ug/L	08/19/10	02:35	
60283-5	Tl	-10.46468	-9.13715	-11.79221	17.94044	ug/L	08/19/10	02:35	
60283-5	V	230.27999	230.61215	229.94784	0.20398	ug/L	08/19/10	02:35	
60283-5	Zn	5124.67871	5128.09130	5121.26611	0.09417	ug/L	08/19/10	02:35	
60283-5	2203/1	26291.74414	26315.31445	26268.17382	0.12678	ug/L	08/19/10	02:35	
60283-5	2203/2	25700.97070	25732.14648	25669.79492	0.17154	ug/L	08/19/10	02:35	
60283-5	1960/1	9.31879	3.22782	15.40976	92.43617	ug/L	08/19/10	02:35	
60283-5	1960/2	0.48525	4.49128	-3.52078	1167.51257	ug/L	08/19/10	02:35	
60283-5	Y	915.27081	915.26599	915.27563	0.00074		08/19/10	02:35	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60283-6	Ag	-0.06784	0.26367	-0.39935	691.06658	ug/L	08/19/10	02:41	
60283-6	Al	228707.43750	228404.51562	229010.34375	0.18730	ug/L	08/19/10	02:41	
60283-6	2Al	228.71903	228.41067	229.02740	0.19066	mg/L	08/19/10	02:41	
60283-6	As	22.88920	20.68265	25.09574	13.63315	ug/L	08/19/10	02:41	
60283-6	B	100.46928	100.67920	100.25936	0.29548	ug/L	08/19/10	02:41	
60283-6	Ba	1213.14294	1211.84191	1214.44396	0.15166	ug/L	08/19/10	02:41	
60283-6	Be	9.76940	9.79332	9.74549	0.34618	ug/L	08/19/10	02:41	
60283-6	Ca	495849.43750	495350.90625	496347.96875	0.14218	ug/L	08/19/10	02:41	
60283-6	Cd	3.28217	3.32133	3.24300	1.68757	ug/L	08/19/10	02:41	
60283-6	Co	53.45515	53.43626	53.47404	0.04998	ug/L	08/19/10	02:41	
60283-6	Cr	206.62536	206.48620	206.76452	0.09524	ug/L	08/19/10	02:41	
60283-6	Cu	129.89001	129.48016	130.29986	0.44623	ug/L	08/19/10	02:41	
60283-6	Fe	144049.78125	143913.15625	144186.39062	0.13412	ug/L	08/19/10	02:41	
60283-6	2Fe	144.02590	143.88529	144.16651	0.13806	mg/L	08/19/10	02:41	
60283-6	K	43433.02343	43432.84375	43433.19921	0.00057	ug/L	08/19/10	02:41	
60283-6	Mg	49085.89062	49023.13281	49148.65234	0.18081	ug/L	08/19/10	02:41	
60283-6	2Mg	49.04810	48.98538	49.11082	0.18083	mg/L	08/19/10	02:41	
60283-6	Mn	3041.82421	3037.81005	3045.83837	0.18662	ug/L	08/19/10	02:41	
60283-6	Mo	-0.16321	-0.52912	0.20270	317.06027	ug/L	08/19/10	02:41	
60283-6	Na	1517.99121	1505.86230	1530.12011	1.12997	ug/L	08/19/10	02:41	
60283-6	Ni	116.97319	116.74726	117.19911	0.27314	ug/L	08/19/10	02:41	
60283-6	Pb	592.13891	592.54968	591.72814	0.09810	ug/L	08/19/10	02:41	
60283-6	Se	3.84350	6.28108	1.40593	89.69023	ug/L	08/19/10	02:41	
60283-6	Sb	-4.79194	-5.24977	-4.33411	13.51171	ug/L	08/19/10	02:41	
60283-6	Sn	34.40774	34.94703	33.86845	2.21658	ug/L	08/19/10	02:41	
60283-6	Sr	825.44543	824.68731	826.20361	0.12989	ug/L	08/19/10	02:41	
60283-6	Ti	559.85156	559.48333	560.21972	0.09300	ug/L	08/19/10	02:41	
60283-6	Tl	-5.23099	-4.59169	-5.87028	17.28354	ug/L	08/19/10	02:41	
60283-6	V	274.08084	273.41192	274.74975	0.34514	ug/L	08/19/10	02:41	
60283-6	Zn	545.96472	545.97753	545.95190	0.00332	ug/L	08/19/10	02:41	
60283-6	2203/1	598.89801	597.31591	600.48010	0.37358	ug/L	08/19/10	02:41	
60283-6	2203/2	588.76446	590.17016	587.35876	0.33764	ug/L	08/19/10	02:41	
60283-6	1960/1	-3.66169	-1.29296	-6.03041	91.48452	ug/L	08/19/10	02:41	
60283-6	1960/2	7.59048	10.06242	5.11853	46.05587	ug/L	08/19/10	02:41	
60283-6	Y	964.49157	966.60797	962.37512	0.31032		08/19/10	02:41	
60283-7	Ag	1.06017	0.50333	1.61701	74.27879	ug/L	08/19/10	02:46	
60283-7	Al	198117.09375	197824.59375	198409.59375	0.20879	ug/L	08/19/10	02:46	
60283-7	2Al	198.12110	197.82353	198.41868	0.21241	mg/L	08/19/10	02:46	
60283-7	As	35.55691	31.53701	39.57682	15.98845	ug/L	08/19/10	02:46	
60283-7	B	132.82102	132.81141	132.83064	0.01023	ug/L	08/19/10	02:46	
60283-7	Ba	1339.84375	1337.99438	1341.69299	0.19519	ug/L	08/19/10	02:46	
60283-7	Be	8.09642	8.09050	8.10233	0.10337	ug/L	08/19/10	02:46	
60283-7	Ca	804556.56250	803024.31250	806088.81250	0.26933	ug/L	08/19/10	02:46	
60283-7	Cd	14.16961	13.81669	14.52253	3.52235	ug/L	08/19/10	02:46	
60283-7	Co	47.30685	47.20742	47.40628	0.29725	ug/L	08/19/10	02:46	
60283-7	Cr	242.98590	243.02679	242.94499	0.02380	ug/L	08/19/10	02:46	
60283-7	Cu	363.36654	362.98916	363.74392	0.14687	ug/L	08/19/10	02:46	
60283-7	Fe	137221.56250	137023.01562	137420.09375	0.20461	ug/L	08/19/10	02:46	
60283-7	2Fe	137.19430	136.99252	137.39607	0.20799	mg/L	08/19/10	02:46	
60283-7	K	44504.05468	44499.36328	44508.75000	0.01491	ug/L	08/19/10	02:46	
60283-7	Mg	42017.21093	41959.71875	42074.69921	0.19350	ug/L	08/19/10	02:46	
60283-7	2Mg	41.98223	41.92479	42.03966	0.19347	mg/L	08/19/10	02:46	
60283-7	Mn	2186.15795	2184.05541	2188.26049	0.13601	ug/L	08/19/10	02:46	
60283-7	Mo	3.54900	2.82756	4.27043	28.74795	ug/L	08/19/10	02:46	
60283-7	Na	829.58117	807.28399	851.87835	3.80107	ug/L	08/19/10	02:46	
60283-7	Ni	120.84416	121.19031	120.49802	0.40508	ug/L	08/19/10	02:46	
60283-7	Pb	4263.11523	4242.51660	4283.71386	0.68332	ug/L	08/19/10	02:46	
60283-7	Se	4.44505	4.17991	4.71019	8.43559	ug/L	08/19/10	02:46	
60283-7	Sb	-1.91611	-1.98182	-1.85040	4.85009	ug/L	08/19/10	02:46	
60283-7	Sn	53.17320	51.45814	54.88825	4.56142	ug/L	08/19/10	02:46	
60283-7	Sr	977.20349	976.96356	977.44342	0.03472	ug/L	08/19/10	02:46	
60283-7	Ti	560.86822	559.72155	562.01489	0.28912	ug/L	08/19/10	02:46	
60283-7	Tl	-5.56115	-0.96676	-10.15554	116.83634	ug/L	08/19/10	02:46	
60283-7	V	270.88806	270.99435	270.78176	0.05549	ug/L	08/19/10	02:46	
60283-7	Zn	2139.82421	2136.87475	2142.77343	0.19492	ug/L	08/19/10	02:46	
60283-7	2203/1	4324.72119	4307.46240	4341.97998	0.56437	ug/L	08/19/10	02:46	
60283-7	2203/2	4232.35839	4210.09228	4254.62451	0.74400	ug/L	08/19/10	02:46	
60283-7	1960/1	2.11341	0.88687	3.33994	82.07523	ug/L	08/19/10	02:46	
60283-7	1960/2	5.60912	5.82396	5.39429	5.41659	ug/L	08/19/10	02:46	
60283-7	Y	940.45599	944.83789	936.07409	0.65892		08/19/10	02:46	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60283-8	Ag	0.68238	0.68278	0.68199	0.08129	ug/L	08/19/10	02:51	
60283-8	Al	258654.56250	258817.35937	258491.76562	0.08901	ug/L	08/19/10	02:51	
60283-8	2Al	258.66577	258.82443	258.50708	0.08675	mg/L	08/19/10	02:51	
60283-8	As	37.43193	35.28139	39.58247	8.12494	ug/L	08/19/10	02:51	
60283-8	B	205.56356	205.33670	205.79043	0.15607	ug/L	08/19/10	02:51	
60283-8	Ba	1287.40283	1287.92370	1286.88183	0.05722	ug/L	08/19/10	02:51	
60283-8	Be	10.32032	10.33025	10.31040	0.13604	ug/L	08/19/10	02:51	
60283-8	Ca	279634.90625	279837.12500	279432.68750	0.10226	ug/L	08/19/10	02:51	
60283-8	Cd	2.72193	2.46715	2.97672	13.23764	ug/L	08/19/10	02:51	
60283-8	Co	59.72520	60.09558	59.35481	0.87702	ug/L	08/19/10	02:51	
60283-8	Cr	221.41281	221.75614	221.06947	0.21929	ug/L	08/19/10	02:51	
60283-8	Cu	117.49757	117.51859	117.47654	0.02530	ug/L	08/19/10	02:51	
60283-8	Fe	164209.45312	164303.57812	164115.32812	0.08106	ug/L	08/19/10	02:51	
60283-8	2Fe	164.18145	164.27314	164.08975	0.07898	mg/L	08/19/10	02:51	
60283-8	K	48899.25000	48923.50390	48875.00000	0.07013	ug/L	08/19/10	02:51	
60283-8	Mg	54677.71093	54730.48046	54624.93750	0.13649	ug/L	08/19/10	02:51	
60283-8	2Mg	54.63466	54.68740	54.58192	0.13652	mg/L	08/19/10	02:51	
60283-8	Mn	2748.79785	2750.47631	2747.11962	0.08634	ug/L	08/19/10	02:51	
60283-8	Mo	1.63438	1.64091	1.62785	0.56477	ug/L	08/19/10	02:51	
60283-8	Na	3048.10839	2988.89013	3107.32666	2.74751	ug/L	08/19/10	02:51	
60283-8	Ni	119.79358	119.38231	120.20485	0.48552	ug/L	08/19/10	02:51	
60283-8	Pb	298.86703	296.48025	301.25381	1.12940	ug/L	08/19/10	02:51	
60283-8	Se	-0.57486	3.94832	-5.09804	1112.74755	ug/L	08/19/10	02:51	
60283-8	Sb	0.06485	3.11154	-2.98182	6643.13574	ug/L	08/19/10	02:51	
60283-8	Sn	18.76098	20.98229	16.53966	16.74438	ug/L	08/19/10	02:51	
60283-8	Sr	707.60632	706.27697	708.93566	0.26568	ug/L	08/19/10	02:51	
60283-8	Ti	755.57556	755.47363	755.67749	0.01907	ug/L	08/19/10	02:51	
60283-8	Tl	-5.96571	-2.25042	-9.68099	88.07344	ug/L	08/19/10	02:51	
60283-8	V	290.55050	290.90872	290.19229	0.17435	ug/L	08/19/10	02:51	
60283-8	Zn	583.54724	584.40759	582.68682	0.20851	ug/L	08/19/10	02:51	
60283-8	2203/1	297.12762	296.51736	297.73785	0.29045	ug/L	08/19/10	02:51	
60283-8	2203/2	299.73544	296.46173	303.00915	1.54460	ug/L	08/19/10	02:51	
60283-8	1960/1	-3.17066	0.15229	-6.49362	148.21403	ug/L	08/19/10	02:51	
60283-8	1960/2	0.72109	5.84349	-4.40130	1004.60449	ug/L	08/19/10	02:51	
60283-8	Y	970.38861	968.26257	972.51464	0.30984		08/19/10	02:51	
60283-9	Ag	0.71994	0.75061	0.68926	6.02563	ug/L	08/19/10	02:56	
60283-9	Al	142336.00000	142291.18750	142380.81250	0.04452	ug/L	08/19/10	02:56	
60283-9	2Al	142.33781	142.29049	142.38513	0.04701	mg/L	08/19/10	02:56	
60283-9	As	42.24662	42.78292	41.71032	1.79527	ug/L	08/19/10	02:56	
60283-9	B	129.86936	130.51193	129.22680	0.69971	ug/L	08/19/10	02:56	
60283-9	Ba	1398.32446	1397.45129	1399.19750	0.08830	ug/L	08/19/10	02:56	
60283-9	Be	6.49783	6.47391	6.52175	0.52060	ug/L	08/19/10	02:56	
60283-9	Ca	867260.81250	866890.75000	867630.87500	0.06034	ug/L	08/19/10	02:56	
60283-9	Cd	20.61198	20.78770	20.43627	1.20559	ug/L	08/19/10	02:56	
60283-9	Co	45.61750	45.21269	46.02231	1.25496	ug/L	08/19/10	02:56	
60283-9	Cr	206.70686	206.97615	206.43757	0.18423	ug/L	08/19/10	02:56	
60283-9	Cu	637.14666	637.11804	637.17529	0.00635	ug/L	08/19/10	02:56	
60283-9	Fe	135629.15625	135556.40625	135701.92187	0.07586	ug/L	08/19/10	02:56	
60283-9	2Fe	135.60119	135.52598	135.67642	0.07844	mg/L	08/19/10	02:56	
60283-9	K	37228.28125	37197.47656	37259.08984	0.11702	ug/L	08/19/10	02:56	
60283-9	Mg	34600.80859	34590.50390	34611.11328	0.04211	ug/L	08/19/10	02:56	
60283-9	2Mg	34.56809	34.55780	34.57838	0.04210	mg/L	08/19/10	02:56	
60283-9	Mn	1963.49536	1961.85473	1965.13610	0.11817	ug/L	08/19/10	02:56	
60283-9	Mo	5.63001	6.04252	5.21750	10.36188	ug/L	08/19/10	02:56	
60283-9	Na	1081.38659	1329.81359	832.95965	32.48873	ug/L	08/19/10	02:56	
60283-9	Ni	135.36030	135.20516	135.51544	0.16208	ug/L	08/19/10	02:56	
60283-9	Pb	5622.50976	5612.42675	5632.59326	0.25362	ug/L	08/19/10	02:56	
60283-9	Se	4.17112	6.92135	1.42090	93.24586	ug/L	08/19/10	02:56	
60283-9	Sb	5.08730	4.75562	5.41898	9.22037	ug/L	08/19/10	02:56	
60283-9	Sn	262.71032	259.67193	265.74874	1.63562	ug/L	08/19/10	02:56	
60283-9	Sr	1227.34936	1227.46411	1227.23461	0.01322	ug/L	08/19/10	02:56	
60283-9	Ti	473.55343	472.97482	474.13204	0.17279	ug/L	08/19/10	02:56	
60283-9	Tl	-4.94156	-8.36670	-1.51641	98.02347	ug/L	08/19/10	02:56	
60283-9	V	239.47807	239.39715	239.55899	0.04778	ug/L	08/19/10	02:56	
60283-9	Zn	3061.97753	3057.18286	3066.77246	0.22145	ug/L	08/19/10	02:56	
60283-9	2203/1	5704.20312	5695.16748	5713.23925	0.22402	ug/L	08/19/10	02:56	
60283-9	2203/2	5581.72460	5571.11865	5592.33056	0.26871	ug/L	08/19/10	02:56	
60283-9	1960/1	3.55181	7.93107	-0.82743	174.36682	ug/L	08/19/10	02:56	
60283-9	1960/2	4.48031	6.41724	2.54338	61.13932	ug/L	08/19/10	02:56	
60283-9	Y	935.66040	936.84368	934.47717	0.17884		08/19/10	02:56	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60283-10	Ag	0.20878	0.03272	0.38483	119.25451	ug/L	08/19/10	03:02	
60283-10	Al	236653.84375	236446.42187	236861.26562	0.12395	ug/L	08/19/10	03:02	
60283-10	2Al	236.66934	236.46644	236.87222	0.12123	mg/L	08/19/10	03:02	
60283-10	As	25.39691	29.20277	21.59105	21.19271	ug/L	08/19/10	03:02	
60283-10	B	88.11668	89.96008	86.27327	2.95853	ug/L	08/19/10	03:02	
60283-10	Ba	1116.42407	1113.80615	1119.04187	0.33161	ug/L	08/19/10	03:02	
60283-10	Be	9.76867	9.81146	9.72589	0.61936	ug/L	08/19/10	03:02	
60283-10	Ca	150729.62500	151381.45312	150077.78125	0.61158	ug/L	08/19/10	03:02	
60283-10	Cd	2.38931	2.12200	2.65661	15.82161	ug/L	08/19/10	03:02	
60283-10	Co	67.65515	68.36511	66.94519	1.48405	ug/L	08/19/10	03:02	
60283-10	Cr	209.98318	211.42333	208.54301	0.96993	ug/L	08/19/10	03:02	
60283-10	Cu	106.23813	106.58714	105.88912	0.46458	ug/L	08/19/10	03:02	
60283-10	Fe	161242.89062	161685.90625	160799.87500	0.38855	ug/L	08/19/10	03:02	
60283-10	2Fe	161.21929	161.66545	160.77316	0.39135	mg/L	08/19/10	03:02	
60283-10	K	46443.85937	46283.44140	46604.28125	0.48847	ug/L	08/19/10	03:02	
60283-10	Mg	47603.93359	47811.12500	47396.74218	0.61552	ug/L	08/19/10	03:02	
60283-10	2Mg	47.56401	47.77106	47.35695	0.61563	mg/L	08/19/10	03:02	
60283-10	Mn	4064.14306	4072.28076	4056.00537	0.28317	ug/L	08/19/10	03:02	
60283-10	Mo	0.57762	-0.09904	1.25429	165.66996	ug/L	08/19/10	03:02	
60283-10	Na	4813.11181	4898.44873	4727.77490	2.50741	ug/L	08/19/10	03:02	
60283-10	Ni	131.68524	131.49940	131.87106	0.19956	ug/L	08/19/10	03:02	
60283-10	Pb	171.16442	171.91329	170.41557	0.61873	ug/L	08/19/10	03:02	
60283-10	Se	0.72715	-1.56522	3.01952	445.83618	ug/L	08/19/10	03:02	
60283-10	Sb	-0.17824	1.99506	-2.35154	1724.34155	ug/L	08/19/10	03:02	
60283-10	Sn	24.29654	21.54573	27.04736	16.01149	ug/L	08/19/10	03:02	
60283-10	Sr	571.63885	570.39947	572.87823	0.30661	ug/L	08/19/10	03:02	
60283-10	Ti	775.98156	776.71594	775.24719	0.13383	ug/L	08/19/10	03:02	
60283-10	Tl	-1.22333	-0.85461	-1.59205	42.62510	ug/L	08/19/10	03:02	
60283-10	V	297.11508	297.36920	296.86096	0.12095	ug/L	08/19/10	03:02	
60283-10	Zn	493.22729	497.87890	488.57565	1.33374	ug/L	08/19/10	03:02	
60283-10	2203/1	169.29193	169.04959	169.53428	0.20244	ug/L	08/19/10	03:02	
60283-10	2203/2	172.09927	173.34301	170.85554	1.02203	ug/L	08/19/10	03:02	
60283-10	1960/1	-2.08683	-7.55906	3.38539	370.84436	ug/L	08/19/10	03:02	
60283-10	1960/2	2.13203	1.42720	2.83685	46.75223	ug/L	08/19/10	03:02	
60283-10	Y	980.98986	984.51074	977.46893	0.50758		08/19/10	03:02	
60273-1	Ag	-0.04451	-0.30404	0.21501	824.46423	ug/L	08/19/10	03:07	
60273-1	Al	51666.92187	51714.98437	51618.86328	0.13155	ug/L	08/19/10	03:07	
60273-1	2Al	51.66966	51.71936	51.61996	0.13602	mg/L	08/19/10	03:07	
60273-1	As	23.62998	24.66182	22.59813	6.17543	ug/L	08/19/10	03:07	
60273-1	B	-10.21133	-10.06135	-10.36132	2.07721	ug/L	08/19/10	03:07	
60273-1	Ba	196.18957	196.30384	196.07531	0.08236	ug/L	08/19/10	03:07	
60273-1	Be	5.05330	5.04311	5.06348	0.28503	ug/L	08/19/10	03:07	
60273-1	Ca	16052.86132	16060.69433	16045.02929	0.06900	ug/L	08/19/10	03:07	
60273-1	Cd	-0.38294	-0.27900	-0.48688	38.38527	ug/L	08/19/10	03:07	
60273-1	Co	37.48545	38.38497	36.58594	3.39361	ug/L	08/19/10	03:07	
60273-1	Cr	78.09971	77.96579	78.23364	0.24250	ug/L	08/19/10	03:07	
60273-1	Cu	95.00770	94.89550	95.11990	0.16701	ug/L	08/19/10	03:07	
60273-1	Fe	94451.82812	94493.72656	94409.92968	0.06273	ug/L	08/19/10	03:07	
60273-1	2Fe	94.43678	94.48176	94.39179	0.06736	mg/L	08/19/10	03:07	
60273-1	K	4148.10449	4158.67773	4137.53125	0.36047	ug/L	08/19/10	03:07	
60273-1	Mg	21964.94140	21985.06054	21944.82031	0.12954	ug/L	08/19/10	03:07	
60273-1	2Mg	21.94266	21.96277	21.92256	0.12959	mg/L	08/19/10	03:07	
60273-1	Mn	1169.59521	1169.82983	1169.36059	0.02836	ug/L	08/19/10	03:07	
60273-1	Mo	2.88591	4.15092	1.62089	61.99105	ug/L	08/19/10	03:07	
60273-1	Na	268.01611	358.50982	177.52236	47.74991	ug/L	08/19/10	03:07	
60273-1	Ni	59.20769	59.10649	59.30890	0.24173	ug/L	08/19/10	03:07	
60273-1	Pb	41.20824	40.87003	41.54645	1.16069	ug/L	08/19/10	03:07	
60273-1	Se	-0.19369	1.56898	-1.95638	1286.97241	ug/L	08/19/10	03:07	
60273-1	Sb	-0.34106	-0.08994	-0.59219	104.12648	ug/L	08/19/10	03:07	
60273-1	Sn	22.00394	22.31351	21.69436	1.98967	ug/L	08/19/10	03:07	
60273-1	Sr	113.05124	113.07656	113.02593	0.03166	ug/L	08/19/10	03:07	
60273-1	Ti	3235.35205	3237.22485	3233.47949	0.08185	ug/L	08/19/10	03:07	
60273-1	Tl	-3.27778	-5.39617	-1.15939	91.39885	ug/L	08/19/10	03:07	
60273-1	V	167.79519	168.27238	167.31802	0.40217	ug/L	08/19/10	03:07	
60273-1	Zn	270.26318	270.12295	270.40344	0.07338	ug/L	08/19/10	03:07	
60273-1	2203/1	43.51305	41.31693	45.70918	7.13760	ug/L	08/19/10	03:07	
60273-1	2203/2	40.05756	40.64691	39.46820	2.08069	ug/L	08/19/10	03:07	
60273-1	1960/1	-4.83416	-1.20624	-8.46208	106.13323	ug/L	08/19/10	03:07	
60273-1	1960/2	2.12305	2.95452	1.29159	55.38562	ug/L	08/19/10	03:07	
60273-1	Y	1004.29431	1004.25097	1004.33758	0.00609		08/19/10	03:07	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60273-2	Ag	-0.22278	-0.19413	-0.25143	18.18675	ug/L	08/19/10	03:12	
60273-2	Al	42133.07421	42115.97656	42150.17187	0.05738	ug/L	08/19/10	03:12	
60273-2	2Al	42.13478	42.11592	42.15364	0.06330	mg/L	08/19/10	03:12	
60273-2	As	13.21742	14.32266	12.11217	11.82568	ug/L	08/19/10	03:12	
60273-2	B	-9.17473	-8.96584	-9.38362	3.21992	ug/L	08/19/10	03:12	
60273-2	Ba	186.72512	186.67643	186.77381	0.03687	ug/L	08/19/10	03:12	
60273-2	Be	4.68549	4.67711	4.69387	0.25295	ug/L	08/19/10	03:12	
60273-2	Ca	13875.97949	13868.34765	13883.61132	0.07778	ug/L	08/19/10	03:12	
60273-2	Cd	-0.01990	0.17242	-0.21223	1366.67175	ug/L	08/19/10	03:12	
60273-2	Co	19.93738	19.74210	20.13265	1.38512	ug/L	08/19/10	03:12	
60273-2	Cr	60.25643	60.28939	60.22347	0.07735	ug/L	08/19/10	03:12	
60273-2	Cu	52.94371	53.01759	52.86983	0.19734	ug/L	08/19/10	03:12	
60273-2	Fe	91645.02343	91636.60156	91653.44531	0.01299	ug/L	08/19/10	03:12	
60273-2	2Fe	91.62951	91.61719	91.64183	0.01901	mg/L	08/19/10	03:12	
60273-2	K	4190.24902	4187.90039	4192.59716	0.07925	ug/L	08/19/10	03:12	
60273-2	Mg	13915.10449	13917.85058	13912.35839	0.02790	ug/L	08/19/10	03:12	
60273-2	2Mg	13.89557	13.89832	13.89282	0.02795	mg/L	08/19/10	03:12	
60273-2	Mn	1115.10205	1115.25805	1114.94592	0.01979	ug/L	08/19/10	03:12	
60273-2	Mo	8.62882	9.38115	7.87649	12.33024	ug/L	08/19/10	03:12	
60273-2	Na	443.91668	460.93786	426.89550	5.42254	ug/L	08/19/10	03:12	
60273-2	Ni	50.47750	50.68571	50.26930	0.58331	ug/L	08/19/10	03:12	
60273-2	Pb	53.49487	51.55793	55.43180	5.12056	ug/L	08/19/10	03:12	
60273-2	Se	-0.30330	0.90191	-1.50852	561.95074	ug/L	08/19/10	03:12	
60273-2	Sb	-1.86873	-4.13978	0.40232	171.86825	ug/L	08/19/10	03:12	
60273-2	Sn	24.50428	23.96123	25.04733	3.13408	ug/L	08/19/10	03:12	
60273-2	Sr	116.92333	116.68175	117.16490	0.29219	ug/L	08/19/10	03:12	
60273-2	Ti	3874.38354	3874.31616	3874.45092	0.00245	ug/L	08/19/10	03:12	
60273-2	Tl	-1.76036	-3.47924	-0.04147	138.08912	ug/L	08/19/10	03:12	
60273-2	V	124.02769	124.02941	124.02597	0.00195	ug/L	08/19/10	03:12	
60273-2	Zn	301.51397	300.96533	302.06259	0.25732	ug/L	08/19/10	03:12	
60273-2	2203/1	56.25591	55.00514	57.50667	3.14429	ug/L	08/19/10	03:12	
60273-2	2203/2	52.11641	49.83691	54.39591	6.18557	ug/L	08/19/10	03:12	
60273-2	1960/1	-6.75189	-0.72672	-12.77706	126.19987	ug/L	08/19/10	03:12	
60273-2	1960/2	2.91615	1.71500	4.11729	58.25050	ug/L	08/19/10	03:12	
60273-2	Y	996.98309	996.43957	997.52661	0.07709		08/19/10	03:12	
CCV	Ag	497.25952	498.19708	496.32199	0.26663	ug/L	08/19/10	03:18	
CCV	Al	4983.04394	4987.91552	4978.17285	0.13825	ug/L	08/19/10	03:18	
CCV	2Al	4.98346	4.98833	4.97859	0.13824	mg/L	08/19/10	03:18	
CCV	As	493.79745	497.96560	489.62930	1.19373	ug/L	08/19/10	03:18	
CCV	B	4913.89453	4922.04345	4905.74560	0.23452	ug/L	08/19/10	03:18	
CCV	Ba	4967.68798	4979.96240	4955.41357	0.34943	ug/L	08/19/10	03:18	
CCV	Be	497.00469	497.73031	496.27905	0.20647	ug/L	08/19/10	03:18	
CCV	Ca	5133.25683	5138.27099	5128.24267	0.13814	ug/L	08/19/10	03:18	
CCV	Cd	492.79644	493.27331	492.31961	0.13684	ug/L	08/19/10	03:18	
CCV	Co	501.00878	501.71743	500.30014	0.20003	ug/L	08/19/10	03:18	
CCV	Cr	4989.71630	4995.17382	4984.25878	0.15468	ug/L	08/19/10	03:18	
CCV	Cu	4956.77246	4965.89501	4947.64941	0.26028	ug/L	08/19/10	03:18	
CCV	Fe	4977.28466	4981.96240	4972.60693	0.13291	ug/L	08/19/10	03:18	
CCV	2Fe	4.97730	4.98198	4.97262	0.13292	mg/L	08/19/10	03:18	
CCV	K	10340.51757	10360.92968	10320.10546	0.27916	ug/L	08/19/10	03:18	
CCV	Mg	5200.97363	5216.75146	5185.19580	0.42902	ug/L	08/19/10	03:18	
CCV	2Mg	5.20094	5.21672	5.18517	0.42899	mg/L	08/19/10	03:18	
CCV	Mn	5056.96826	5065.64599	5048.29052	0.24267	ug/L	08/19/10	03:18	
CCV	Mo	489.35433	487.94515	490.76351	0.40724	ug/L	08/19/10	03:18	
CCV	Na	7539.95117	7668.30859	7411.59326	2.40751	ug/L	08/19/10	03:18	
CCV	Ni	2498.88964	2505.78808	2491.99145	0.39040	ug/L	08/19/10	03:18	
CCV	Pb	506.52764	510.13894	502.91632	1.00827	ug/L	08/19/10	03:18	
CCV	Se	4923.38964	4932.72998	4914.04980	0.26828	ug/L	08/19/10	03:18	
CCV	Sb	487.77581	489.77310	485.77853	0.57907	ug/L	08/19/10	03:18	
CCV	Sn	5142.54101	5154.29150	5130.79101	0.32313	ug/L	08/19/10	03:18	
CCV	Sr	2455.38598	2459.46484	2451.30712	0.23492	ug/L	08/19/10	03:18	
CCV	Ti	498.90380	500.30484	497.50277	0.39714	ug/L	08/19/10	03:18	
CCV	Tl	4968.15820	4982.26660	4954.05029	0.40159	ug/L	08/19/10	03:18	
CCV	V	5183.49121	5193.56347	5173.41845	0.27480	ug/L	08/19/10	03:18	
CCV	Zn	2541.46142	2546.98144	2535.94140	0.30716	ug/L	08/19/10	03:18	
CCV	2203/1	519.09338	521.27362	516.91320	0.59397	ug/L	08/19/10	03:18	
CCV	2203/2	500.24938	504.57516	495.92364	1.22289	ug/L	08/19/10	03:18	
CCV	1960/1	5028.86035	5033.22851	5024.49267	0.12283	ug/L	08/19/10	03:18	
CCV	1960/2	4870.73339	4882.55615	4858.91113	0.34326	ug/L	08/19/10	03:18	
CCV	Y	957.36315	955.38140	959.34484	0.29273		08/19/10	03:18	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.16969	-0.10320	0.44259	227.42541	ug/L	08/19/10	03:23	
CCB	Al	-23.07835	-25.40209	-20.75462	14.23954	ug/L	08/19/10	03:23	
CCB	2Al	-0.02308	-0.02540	-0.02075	14.23953	mg/L	08/19/10	03:23	
CCB	As	0.62666	0.64214	0.61118	3.49365	ug/L	08/19/10	03:23	
CCB	B	11.14849	11.96676	10.33022	10.37991	ug/L	08/19/10	03:23	
CCB	Ba	1.14676	0.35326	1.94027	97.85662	ug/L	08/19/10	03:23	
CCB	Be	0.20427	0.13341	0.27513	49.05605	ug/L	08/19/10	03:23	
CCB	Ca	13.27902	7.04364	19.51440	66.40665	ug/L	08/19/10	03:23	
CCB	Cd	0.19121	0.16101	0.22141	22.33702	ug/L	08/19/10	03:23	
CCB	Co	0.64555	0.76948	0.52162	27.14866	ug/L	08/19/10	03:23	
CCB	Cr	1.19192	0.58332	1.80053	72.21086	ug/L	08/19/10	03:23	
CCB	Cu	1.37763	0.57291	2.18236	82.60908	ug/L	08/19/10	03:23	
CCB	Fe	-7.73057	-15.08447	-0.37668	134.53039	ug/L	08/19/10	03:23	
CCB	2Fe	-0.00772	-0.01508	-0.00037	134.53752	mg/L	08/19/10	03:23	
CCB	K	11.28964	-3.90286	26.48215	190.31121	ug/L	08/19/10	03:23	
CCB	Mg	2.53106	-0.00028	5.06242	141.43719	ug/L	08/19/10	03:23	
CCB	2Mg	0.00253	0.00000	0.00506	141.28103	mg/L	08/19/10	03:23	
CCB	Mn	1.20049	0.31408	2.08691	104.42189	ug/L	08/19/10	03:23	
CCB	Mo	-0.33585	1.04061	-1.71232	579.60260	ug/L	08/19/10	03:23	
CCB	Na	-0.40935	-0.37473	-0.44397	11.96050	ug/L	08/19/10	03:23	
CCB	Ni	-0.26330	-1.23171	0.70510	520.13690	ug/L	08/19/10	03:23	
CCB	Pb	-0.60919	-0.75640	-0.46198	34.17511	ug/L	08/19/10	03:23	
CCB	Se	1.72832	1.94898	1.50765	18.05622	ug/L	08/19/10	03:23	
CCB	Sb	0.15218	-0.17908	0.48344	307.84445	ug/L	08/19/10	03:23	
CCB	Sn	2.15160	3.44573	0.85746	85.06130	ug/L	08/19/10	03:23	
CCB	Sr	0.54215	0.14742	0.93687	102.96408	ug/L	08/19/10	03:23	
CCB	Ti	0.69111	0.64967	0.73256	8.48119	ug/L	08/19/10	03:23	
CCB	Tl	5.96567	4.65023	7.28112	31.18371	ug/L	08/19/10	03:23	
CCB	V	1.62987	0.78068	2.47906	73.68264	ug/L	08/19/10	03:23	
CCB	Zn	0.64947	-0.04412	1.34307	151.02955	ug/L	08/19/10	03:23	
CCB	2203/1	-0.20103	-1.43911	1.03703	870.93066	ug/L	08/19/10	03:23	
CCB	2203/2	-0.81296	-0.41556	-1.21036	69.13021	ug/L	08/19/10	03:23	
CCB	1960/1	1.08163	4.64021	-2.47693	465.27395	ug/L	08/19/10	03:23	
CCB	1960/2	2.05117	0.60539	3.49696	99.68164	ug/L	08/19/10	03:23	
CCB	Y	954.15966	954.85229	953.46704	0.10265		08/19/10	03:23	
60273-3	Ag	-0.23220	0.20670	-0.67111	267.31289	ug/L	08/19/10	03:28	
60273-3	Al	81910.57812	81966.34375	81854.80468	0.09628	ug/L	08/19/10	03:28	
60273-3	2Al	81.91014	81.96682	81.85345	0.09787	mg/L	08/19/10	03:28	
60273-3	As	14.02183	14.54758	13.49607	5.30265	ug/L	08/19/10	03:28	
60273-3	B	0.39012	0.61385	0.16639	81.10155	ug/L	08/19/10	03:28	
60273-3	Ba	232.69131	233.00820	232.37442	0.19259	ug/L	08/19/10	03:28	
60273-3	Be	4.74075	4.75536	4.72614	0.43580	ug/L	08/19/10	03:28	
60273-3	Ca	16280.87109	16319.24902	16242.49414	0.33335	ug/L	08/19/10	03:28	
60273-3	Cd	-0.13567	-0.34125	0.06990	214.28326	ug/L	08/19/10	03:28	
60273-3	Co	38.66384	38.64503	38.68265	0.06880	ug/L	08/19/10	03:28	
60273-3	Cr	99.37421	99.82704	98.92137	0.64443	ug/L	08/19/10	03:28	
60273-3	Cu	45.11489	45.30260	44.92718	0.58841	ug/L	08/19/10	03:28	
60273-3	Fe	119272.67187	119350.82031	119194.53125	0.09265	ug/L	08/19/10	03:28	
60273-3	2Fe	119.24650	119.32616	119.16685	0.09446	mg/L	08/19/10	03:28	
60273-3	K	4174.43945	4183.97509	4164.90332	0.32305	ug/L	08/19/10	03:28	
60273-3	Mg	31437.10546	31482.43750	31391.77343	0.20392	ug/L	08/19/10	03:28	
60273-3	2Mg	31.40808	31.45339	31.36278	0.20399	mg/L	08/19/10	03:28	
60273-3	Mn	1802.23193	1803.09191	1801.37194	0.06748	ug/L	08/19/10	03:28	
60273-3	Mo	2.94759	4.30874	1.58644	65.30580	ug/L	08/19/10	03:28	
60273-3	Na	146.59417	218.57131	74.61701	69.43731	ug/L	08/19/10	03:28	
60273-3	Ni	72.73146	72.44280	73.02012	0.56128	ug/L	08/19/10	03:28	
60273-3	Pb	55.23879	55.34857	55.12901	0.28105	ug/L	08/19/10	03:28	
60273-3	Se	-1.48754	0.83052	-3.80561	220.37989	ug/L	08/19/10	03:28	
60273-3	Sb	-4.49849	-5.19412	-3.80287	21.86865	ug/L	08/19/10	03:28	
60273-3	Sn	24.26689	18.28453	30.24926	34.86372	ug/L	08/19/10	03:28	
60273-3	Sr	151.25588	151.24157	151.27020	0.01338	ug/L	08/19/10	03:28	
60273-3	Ti	3839.80053	3840.35766	3839.24340	0.02051	ug/L	08/19/10	03:28	
60273-3	Tl	-2.20767	-4.09281	-0.32252	120.76053	ug/L	08/19/10	03:28	
60273-3	V	155.97279	156.06253	155.88305	0.08136	ug/L	08/19/10	03:28	
60273-3	Zn	328.05438	328.90524	327.20352	0.36679	ug/L	08/19/10	03:28	
60273-3	2203/1	57.80088	58.52667	57.07508	1.77579	ug/L	08/19/10	03:28	
60273-3	2203/2	53.95967	53.76190	54.15744	0.51832	ug/L	08/19/10	03:28	
60273-3	1960/1	-5.02300	-3.60291	-6.44309	39.98236	ug/L	08/19/10	03:28	
60273-3	1960/2	0.27753	3.04392	-2.48885	1409.64233	ug/L	08/19/10	03:28	
60273-3	Y	981.23516	976.21832	986.25201	0.72305		08/19/10	03:28	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60273-4	Ag	-0.03382	-0.39221	0.32457	1498.60485	ug/L	08/19/10	03:34	
60273-4	Al	51266.62109	51249.12890	51284.11328	0.04825	ug/L	08/19/10	03:34	
60273-4	2Al	51.26684	51.25006	51.28361	0.04627	mg/L	08/19/10	03:34	
60273-4	As	12.59399	12.02477	13.16322	6.39201	ug/L	08/19/10	03:34	
60273-4	B	-7.09307	-7.37768	-6.80847	5.67447	ug/L	08/19/10	03:34	
60273-4	Ba	165.69729	165.82434	165.57025	0.10843	ug/L	08/19/10	03:34	
60273-4	Be	4.08502	4.08813	4.08191	0.10772	ug/L	08/19/10	03:34	
60273-4	Ca	10704.47265	10715.67675	10693.26953	0.14801	ug/L	08/19/10	03:34	
60273-4	Cd	-0.18697	0.02250	-0.39645	158.44282	ug/L	08/19/10	03:34	
60273-4	Co	27.13455	26.65608	27.61302	2.49373	ug/L	08/19/10	03:34	
60273-4	Cr	68.16569	68.43048	67.90091	0.54933	ug/L	08/19/10	03:34	
60273-4	Cu	53.87781	53.65938	54.09624	0.57334	ug/L	08/19/10	03:34	
60273-4	Fe	94636.80468	94637.45312	94636.15625	0.00096	ug/L	08/19/10	03:34	
60273-4	2Fe	94.61683	94.61907	94.61459	0.00335	mg/L	08/19/10	03:34	
60273-4	K	3559.59619	3566.52490	3552.66748	0.27527	ug/L	08/19/10	03:34	
60273-4	Mg	18928.65625	18931.95898	18925.35351	0.02467	ug/L	08/19/10	03:34	
60273-4	2Mg	18.90734	18.91064	18.90404	0.02470	mg/L	08/19/10	03:34	
60273-4	Mn	1456.34265	1457.02160	1455.66369	0.06593	ug/L	08/19/10	03:34	
60273-4	Mo	4.70036	4.97684	4.42389	8.31844	ug/L	08/19/10	03:34	
60273-4	Na	-154.91525	-176.37799	-133.45249	19.59323	ug/L	08/19/10	03:34	
60273-4	Ni	43.20198	42.37062	44.03333	2.72142	ug/L	08/19/10	03:34	
60273-4	Pb	40.43362	42.45060	38.41664	7.05461	ug/L	08/19/10	03:34	
60273-4	Se	3.76466	4.21565	3.31368	16.94155	ug/L	08/19/10	03:34	
60273-4	Sb	-3.56366	-1.35431	-5.77301	87.67652	ug/L	08/19/10	03:34	
60273-4	Sn	21.64755	22.23241	21.06268	3.82086	ug/L	08/19/10	03:34	
60273-4	Sr	107.35612	107.44523	107.26702	0.11738	ug/L	08/19/10	03:34	
60273-4	Ti	4261.35791	4260.66796	4262.04785	0.02289	ug/L	08/19/10	03:34	
60273-4	Tl	-0.18817	-0.29886	-0.07749	83.18296	ug/L	08/19/10	03:34	
60273-4	V	166.08117	166.69490	165.46745	0.52259	ug/L	08/19/10	03:34	
60273-4	Zn	237.36892	237.65000	237.08784	0.16746	ug/L	08/19/10	03:34	
60273-4	2203/1	44.35402	43.52360	45.18444	2.64776	ug/L	08/19/10	03:34	
60273-4	2203/2	38.47636	41.91490	35.03782	12.63849	ug/L	08/19/10	03:34	
60273-4	1960/1	3.79827	5.22412	2.37242	53.08878	ug/L	08/19/10	03:34	
60273-4	1960/2	3.74789	3.71218	3.78360	1.34755	ug/L	08/19/10	03:34	
60273-4	Y	970.98504	970.05187	971.91821	0.13591		08/19/10	03:34	
60273-5	Ag	-0.11925	0.08938	-0.32790	247.42187	ug/L	08/19/10	03:39	
60273-5	Al	50750.71875	50759.83984	50741.59765	0.02541	ug/L	08/19/10	03:39	
60273-5	2Al	50.75211	50.76220	50.74202	0.02811	mg/L	08/19/10	03:39	
60273-5	As	9.09756	8.47770	9.71742	9.63576	ug/L	08/19/10	03:39	
60273-5	B	-7.64575	-6.34953	-8.94197	23.97581	ug/L	08/19/10	03:39	
60273-5	Ba	198.40985	198.36866	198.45104	0.02935	ug/L	08/19/10	03:39	
60273-5	Be	4.24686	4.24000	4.25372	0.22836	ug/L	08/19/10	03:39	
60273-5	Ca	11470.80273	11498.95312	11442.65234	0.34706	ug/L	08/19/10	03:39	
60273-5	Cd	-0.18123	-0.41235	0.04987	180.33872	ug/L	08/19/10	03:39	
60273-5	Co	28.54150	28.44932	28.63368	0.45674	ug/L	08/19/10	03:39	
60273-5	Cr	61.74892	61.68074	61.81710	0.15615	ug/L	08/19/10	03:39	
60273-5	Cu	41.99582	41.98778	42.00387	0.02708	ug/L	08/19/10	03:39	
60273-5	Fe	76294.17187	76492.51562	76095.82812	0.36765	ug/L	08/19/10	03:39	
60273-5	2Fe	76.27974	76.47966	76.07983	0.37063	mg/L	08/19/10	03:39	
60273-5	K	4044.11083	4048.75732	4039.46435	0.16248	ug/L	08/19/10	03:39	
60273-5	Mg	17918.42968	17966.15625	17870.70507	0.37667	ug/L	08/19/10	03:39	
60273-5	2Mg	17.90052	17.94820	17.85284	0.37667	mg/L	08/19/10	03:39	
60273-5	Mn	1236.47497	1238.68591	1234.26403	0.25287	ug/L	08/19/10	03:39	
60273-5	Mo	1.43465	0.98091	1.88840	44.72810	ug/L	08/19/10	03:39	
60273-5	Na	333.96603	218.23471	449.69735	49.00762	ug/L	08/19/10	03:39	
60273-5	Ni	45.81161	46.00276	45.62046	0.59007	ug/L	08/19/10	03:39	
60273-5	Pb	60.60300	60.93367	60.27232	0.77165	ug/L	08/19/10	03:39	
60273-5	Se	-0.39751	-0.26720	-0.52782	46.35969	ug/L	08/19/10	03:39	
60273-5	Sb	-2.35576	-2.91600	-1.79553	33.63178	ug/L	08/19/10	03:39	
60273-5	Sn	17.97776	18.61610	17.33943	5.02142	ug/L	08/19/10	03:39	
60273-5	Sr	110.46607	110.41865	110.51350	0.06071	ug/L	08/19/10	03:39	
60273-5	Ti	3312.03027	3313.05078	3311.00952	0.04358	ug/L	08/19/10	03:39	
60273-5	Tl	2.69073	2.72327	2.65819	1.71040	ug/L	08/19/10	03:39	
60273-5	V	116.95085	117.12686	116.77483	0.21284	ug/L	08/19/10	03:39	
60273-5	Zn	230.08256	231.02186	229.14326	0.57734	ug/L	08/19/10	03:39	
60273-5	2203/1	64.26435	64.92710	63.60160	1.45845	ug/L	08/19/10	03:39	
60273-5	2203/2	58.77506	58.93995	58.61017	0.39675	ug/L	08/19/10	03:39	
60273-5	1960/1	-3.57911	-4.38078	-2.77745	31.67617	ug/L	08/19/10	03:39	
60273-5	1960/2	1.19090	1.78650	0.59530	70.72840	ug/L	08/19/10	03:39	
60273-5	Y	977.39678	979.36407	975.42950	0.28465		08/19/10	03:39	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60273-6	Ag	-0.02348	-0.31667	0.26969	1765.35717	ug/L	08/19/10	03:44	
60273-6	Al	45640.29687	45677.04687	45603.54687	0.11387	ug/L	08/19/10	03:44	
60273-6	2Al	45.64149	45.67588	45.60710	0.10654	mg/L	08/19/10	03:44	
60273-6	As	15.17592	15.44001	14.91183	2.46096	ug/L	08/19/10	03:44	
60273-6	B	-10.47068	-10.00889	-10.93248	6.23718	ug/L	08/19/10	03:44	
60273-6	Ba	147.22439	147.29492	147.15388	0.06773	ug/L	08/19/10	03:44	
60273-6	Be	4.42030	4.41995	4.42064	0.01101	ug/L	08/19/10	03:44	
60273-6	Ca	12047.03906	12060.32421	12033.75292	0.15596	ug/L	08/19/10	03:44	
60273-6	Cd	-0.26327	-0.42683	-0.09970	87.86084	ug/L	08/19/10	03:44	
60273-6	Co	26.17644	26.78310	25.56977	3.27758	ug/L	08/19/10	03:44	
60273-6	Cr	54.37434	54.28238	54.46630	0.23918	ug/L	08/19/10	03:44	
60273-6	Cu	50.43325	50.49777	50.36872	0.18094	ug/L	08/19/10	03:44	
60273-6	Fe	83223.92187	83279.90625	83167.94531	0.09512	ug/L	08/19/10	03:44	
60273-6	2Fe	83.20867	83.25994	83.15741	0.08712	mg/L	08/19/10	03:44	
60273-6	K	3522.51660	3523.45092	3521.58203	0.03751	ug/L	08/19/10	03:44	
60273-6	Mg	17206.10937	17222.54101	17189.67578	0.13506	ug/L	08/19/10	03:44	
60273-6	2Mg	17.18721	17.20363	17.17079	0.13511	mg/L	08/19/10	03:44	
60273-6	Mn	1305.26025	1306.54113	1303.97937	0.13878	ug/L	08/19/10	03:44	
60273-6	Mo	4.18559	4.67984	3.69135	16.69935	ug/L	08/19/10	03:44	
60273-6	Na	262.56094	387.63714	137.48474	67.36891	ug/L	08/19/10	03:44	
60273-6	Ni	38.07131	37.62169	38.52094	1.67019	ug/L	08/19/10	03:44	
60273-6	Pb	53.81707	54.24372	53.39042	1.12116	ug/L	08/19/10	03:44	
60273-6	Se	0.92927	1.02962	0.82891	15.27205	ug/L	08/19/10	03:44	
60273-6	Sb	-2.41574	-1.52629	-3.30520	52.06994	ug/L	08/19/10	03:44	
60273-6	Sn	16.92620	15.66441	18.18799	10.54243	ug/L	08/19/10	03:44	
60273-6	Sr	81.32115	81.33320	81.30910	0.02095	ug/L	08/19/10	03:44	
60273-6	Ti	3577.52392	3578.45385	3576.59399	0.03676	ug/L	08/19/10	03:44	
60273-6	Tl	-3.44430	-5.26574	-1.62286	74.78729	ug/L	08/19/10	03:44	
60273-6	V	126.12468	126.02857	126.22080	0.10777	ug/L	08/19/10	03:44	
60273-6	Zn	244.80139	244.42124	245.18151	0.21960	ug/L	08/19/10	03:44	
60273-6	2203/1	55.69114	56.83679	54.54549	2.90925	ug/L	08/19/10	03:44	
60273-6	2203/2	52.88144	52.94913	52.81375	0.18102	ug/L	08/19/10	03:44	
60273-6	1960/1	-0.54685	-2.22750	1.13379	434.62847	ug/L	08/19/10	03:44	
60273-6	1960/2	1.66622	2.65574	0.67671	83.98536	ug/L	08/19/10	03:44	
60273-6	Y	990.15771	988.79168	991.52374	0.19510		08/19/10	03:44	
60273-7	Ag	0.23293	0.44324	0.02262	127.68448	ug/L	08/19/10	03:50	
60273-7	Al	54665.05468	54647.50000	54682.60546	0.04540	ug/L	08/19/10	03:50	
60273-7	2Al	54.66616	54.65067	54.68165	0.04006	mg/L	08/19/10	03:50	
60273-7	As	14.57726	15.95169	13.20284	13.33394	ug/L	08/19/10	03:50	
60273-7	B	-8.39848	-8.30866	-8.48830	1.51246	ug/L	08/19/10	03:50	
60273-7	Ba	141.71006	141.72727	141.69285	0.01717	ug/L	08/19/10	03:50	
60273-7	Be	2.96170	2.94541	2.97799	0.77794	ug/L	08/19/10	03:50	
60273-7	Ca	11220.45019	11223.84960	11217.05078	0.04284	ug/L	08/19/10	03:50	
60273-7	Cd	0.47611	0.49730	0.45491	6.29516	ug/L	08/19/10	03:50	
60273-7	Co	32.84542	33.04480	32.64603	0.85847	ug/L	08/19/10	03:50	
60273-7	Cr	62.88293	63.14246	62.62340	0.58367	ug/L	08/19/10	03:50	
60273-7	Cu	67.21926	67.12067	67.31785	0.20742	ug/L	08/19/10	03:50	
60273-7	Fe	89964.01562	89953.79687	89974.22656	0.01605	ug/L	08/19/10	03:50	
60273-7	2Fe	89.94618	89.93918	89.95317	0.01099	mg/L	08/19/10	03:50	
60273-7	K	2955.72900	2956.74145	2954.71630	0.04844	ug/L	08/19/10	03:50	
60273-7	Mg	17204.35742	17207.36523	17201.34960	0.02472	ug/L	08/19/10	03:50	
60273-7	2Mg	17.18437	17.18738	17.18136	0.02476	mg/L	08/19/10	03:50	
60273-7	Mn	1502.84594	1502.74072	1502.95117	0.00990	ug/L	08/19/10	03:50	
60273-7	Mo	3.15449	2.56380	3.74517	26.48139	ug/L	08/19/10	03:50	
60273-7	Na	169.53826	57.47815	281.59838	93.47560	ug/L	08/19/10	03:50	
60273-7	Ni	50.88060	51.42277	50.33843	1.50695	ug/L	08/19/10	03:50	
60273-7	Pb	114.80525	114.55714	115.05335	0.30562	ug/L	08/19/10	03:50	
60273-7	Se	1.34221	3.81330	-1.12887	260.36465	ug/L	08/19/10	03:50	
60273-7	Sb	-3.50768	-3.79502	-3.22035	11.58463	ug/L	08/19/10	03:50	
60273-7	Sn	19.11111	18.29233	19.92989	6.05893	ug/L	08/19/10	03:50	
60273-7	Sr	85.79933	85.76641	85.83224	0.05425	ug/L	08/19/10	03:50	
60273-7	Ti	3148.49609	3148.31884	3148.67358	0.00796	ug/L	08/19/10	03:50	
60273-7	Tl	-3.83358	0.39562	-8.06279	156.01589	ug/L	08/19/10	03:50	
60273-7	V	128.31729	127.97387	128.66072	0.37849	ug/L	08/19/10	03:50	
60273-7	Zn	235.76028	236.34739	235.17317	0.35218	ug/L	08/19/10	03:50	
60273-7	2203/1	117.90679	118.60324	117.21035	0.83534	ug/L	08/19/10	03:50	
60273-7	2203/2	113.25679	112.53712	113.97647	0.89864	ug/L	08/19/10	03:50	
60273-7	1960/1	0.41811	6.10356	-5.26732	1923.00158	ug/L	08/19/10	03:50	
60273-7	1960/2	1.80357	2.66989	0.93724	67.93019	ug/L	08/19/10	03:50	
60273-7	Y	963.79888	963.77001	963.82775	0.00423		08/19/10	03:50	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60273-7L	Ag	0.04583	-0.35064	0.44231	1223.24890	ug/L	08/19/10	03:55	
60273-7L	Al	10786.03125	10861.49902	10710.56445	0.98949	ug/L	08/19/10	03:55	
60273-7L	2Al	10.78642	10.86227	10.71058	0.99440	mg/L	08/19/10	03:55	
60273-7L	As	2.92548	2.82957	3.02139	4.63632	ug/L	08/19/10	03:55	
60273-7L	B	-5.11217	-6.02097	-4.20337	25.14067	ug/L	08/19/10	03:55	
60273-7L	Ba	28.05734	28.28269	27.83199	1.13586	ug/L	08/19/10	03:55	
60273-7L	Be	0.67539	0.69195	0.65883	3.46766	ug/L	08/19/10	03:55	
60273-7L	Ca	2258.28100	2270.30004	2246.26196	0.75267	ug/L	08/19/10	03:55	
60273-7L	Cd	-0.12026	-0.13972	-0.10080	22.88421	ug/L	08/19/10	03:55	
60273-7L	Co	6.75092	6.45647	7.04536	6.16813	ug/L	08/19/10	03:55	
60273-7L	Cr	12.77483	12.74355	12.80612	0.34634	ug/L	08/19/10	03:55	
60273-7L	Cu	12.99063	13.31404	12.66723	3.52069	ug/L	08/19/10	03:55	
60273-7L	Fe	18010.89843	18112.34375	17909.45507	0.79653	ug/L	08/19/10	03:55	
60273-7L	2Fe	18.00780	18.11005	17.90555	0.80298	mg/L	08/19/10	03:55	
60273-7L	K	566.32702	569.48358	563.17041	0.78825	ug/L	08/19/10	03:55	
60273-7L	Mg	3434.60986	3456.82543	3412.39404	0.91473	ug/L	08/19/10	03:55	
60273-7L	2Mg	3.43061	3.45280	3.40841	0.91483	mg/L	08/19/10	03:55	
60273-7L	Mn	301.15911	302.84161	299.47662	0.79008	ug/L	08/19/10	03:55	
60273-7L	Mo	-1.52928	-1.99068	-1.06789	42.66733	ug/L	08/19/10	03:55	
60273-7L	Na	-18.57322	-91.67639	54.52994	556.62652	ug/L	08/19/10	03:55	
60273-7L	Ni	8.91980	8.30003	9.53957	9.82632	ug/L	08/19/10	03:55	
60273-7L	Pb	23.43741	21.87801	24.99681	9.40942	ug/L	08/19/10	03:55	
60273-7L	Se	1.97440	0.35527	3.59352	115.97370	ug/L	08/19/10	03:55	
60273-7L	Sb	-6.03623	-7.24118	-4.83129	28.23026	ug/L	08/19/10	03:55	
60273-7L	Sn	5.37274	4.03543	6.71005	35.20069	ug/L	08/19/10	03:55	
60273-7L	Sr	16.98188	17.12290	16.84086	1.17437	ug/L	08/19/10	03:55	
60273-7L	Ti	627.80651	632.25555	623.35754	1.00219	ug/L	08/19/10	03:55	
60273-7L	Tl	-0.90877	-2.32899	0.51144	221.01040	ug/L	08/19/10	03:55	
60273-7L	V	26.36996	27.10625	25.63366	3.94874	ug/L	08/19/10	03:55	
60273-7L	Zn	48.23557	48.86871	47.60243	1.85630	ug/L	08/19/10	03:55	
60273-7L	2203/1	23.61853	22.37290	24.86417	7.45855	ug/L	08/19/10	03:55	
60273-7L	2203/2	23.34699	21.63094	25.06303	10.39472	ug/L	08/19/10	03:55	
60273-7L	1960/1	-1.37300	-0.56607	-2.17993	83.11501	ug/L	08/19/10	03:55	
60273-7L	1960/2	3.64559	0.81526	6.47593	109.79535	ug/L	08/19/10	03:55	
60273-7L	Y	949.28234	949.45550	949.10919	0.02579		08/19/10	03:55	
60273-7A	Ag	42.53408	42.53286	42.53530	0.00405	ug/L	08/19/10	04:00	
60273-7A	Al	56004.97265	55962.58984	56047.35546	0.10702	ug/L	08/19/10	04:00	
60273-7A	2Al	56.00788	55.96709	56.04867	0.10300	mg/L	08/19/10	04:00	
60273-7A	As	1961.01123	1958.96862	1963.05383	0.14730	ug/L	08/19/10	04:00	
60273-7A	B	978.93505	977.78015	980.09002	0.16684	ug/L	08/19/10	04:00	
60273-7A	Ba	2120.50463	2119.07128	2121.93798	0.09559	ug/L	08/19/10	04:00	
60273-7A	Be	52.07993	52.07995	52.07990	0.00007	ug/L	08/19/10	04:00	
60273-7A	Ca	16248.89843	16234.02246	16263.77539	0.12947	ug/L	08/19/10	04:00	
60273-7A	Cd	48.92716	48.67662	49.17771	0.72418	ug/L	08/19/10	04:00	
60273-7A	Co	529.91552	529.66040	530.17071	0.06809	ug/L	08/19/10	04:00	
60273-7A	Cr	260.46575	260.44329	260.48818	0.01218	ug/L	08/19/10	04:00	
60273-7A	Cu	313.07324	313.66613	312.48031	0.26782	ug/L	08/19/10	04:00	
60273-7A	Fe	89980.70312	89891.23437	90070.17187	0.14061	ug/L	08/19/10	04:00	
60273-7A	2Fe	89.96627	89.88006	90.05247	0.13550	mg/L	08/19/10	04:00	
60273-7A	K	8290.84570	8290.37597	8291.31542	0.00801	ug/L	08/19/10	04:00	
60273-7A	Mg	22388.40234	22376.65234	22400.15234	0.07422	ug/L	08/19/10	04:00	
60273-7A	2Mg	22.36717	22.35544	22.37890	0.07417	mg/L	08/19/10	04:00	
60273-7A	Mn	1985.72314	1985.53015	1985.91601	0.01374	ug/L	08/19/10	04:00	
60273-7A	Mo	479.26275	479.13150	479.39404	0.03873	ug/L	08/19/10	04:00	
60273-7A	Na	5141.20800	5184.17773	5098.23876	1.18197	ug/L	08/19/10	04:00	
60273-7A	Ni	540.04321	539.73352	540.35296	0.08110	ug/L	08/19/10	04:00	
60273-7A	Pb	604.60968	604.39160	604.82775	0.05100	ug/L	08/19/10	04:00	
60273-7A	Se	1938.73999	1942.61218	1934.86791	0.28245	ug/L	08/19/10	04:00	
60273-7A	Sb	482.35519	479.43475	485.27563	0.85624	ug/L	08/19/10	04:00	
60273-7A	Sn	1058.66064	1063.57177	1053.74963	0.65604	ug/L	08/19/10	04:00	
60273-7A	Sr	584.06201	583.00476	585.11932	0.25600	ug/L	08/19/10	04:00	
60273-7A	Ti	4086.08544	4082.69238	4089.47851	0.11743	ug/L	08/19/10	04:00	
60273-7A	Tl	2007.10815	2004.29309	2009.92309	0.19834	ug/L	08/19/10	04:00	
60273-7A	V	632.39477	630.93328	633.85626	0.32682	ug/L	08/19/10	04:00	
60273-7A	Zn	735.76782	735.69427	735.84130	0.01413	ug/L	08/19/10	04:00	
60273-7A	2203/1	618.54614	618.81451	618.27777	0.06135	ug/L	08/19/10	04:00	
60273-7A	2203/2	597.65191	597.19097	598.11285	0.10907	ug/L	08/19/10	04:00	
60273-7A	1960/1	1979.39379	1985.60644	1973.18103	0.44387	ug/L	08/19/10	04:00	
60273-7A	1960/2	1918.44360	1921.14721	1915.74011	0.19929	ug/L	08/19/10	04:00	
60273-7A	Y	955.59790	956.31457	954.88116	0.10606		08/19/10	04:00	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60273-7S	Ag	53.50379	52.77130	54.23628	1.93611	ug/L	08/19/10	04:06	
60273-7S	Al	72677.75000	72743.12500	72612.36718	0.12721	ug/L	08/19/10	04:06	
60273-7S	2Al	72.68148	72.74478	72.61817	0.12316	mg/L	08/19/10	04:06	
60273-7S	As	2055.30395	2058.29443	2052.31347	0.20576	ug/L	08/19/10	04:06	
60273-7S	B	1016.90734	1014.52465	1019.29003	0.33136	ug/L	08/19/10	04:06	
60273-7S	Ba	2254.35205	2255.54687	2253.15698	0.07496	ug/L	08/19/10	04:06	
60273-7S	Be	55.00017	55.04166	54.95868	0.10668	ug/L	08/19/10	04:06	
60273-7S	Ca	19357.41406	19365.89843	19348.92773	0.06199	ug/L	08/19/10	04:06	
60273-7S	Cd	51.34912	51.48667	51.21156	0.37883	ug/L	08/19/10	04:06	
60273-7S	Co	562.05456	562.60516	561.50396	0.13853	ug/L	08/19/10	04:06	
60273-7S	Cr	285.08966	284.41137	285.76791	0.33646	ug/L	08/19/10	04:06	
60273-7S	Cu	335.92898	335.76296	336.09500	0.06989	ug/L	08/19/10	04:06	
60273-7S	Fe	107874.41406	107850.86718	107897.96093	0.03086	ug/L	08/19/10	04:06	
60273-7S	2Fe	107.85690	107.83092	107.88288	0.03406	mg/L	08/19/10	04:06	
60273-7S	K	8652.05273	8656.33398	8647.77050	0.06998	ug/L	08/19/10	04:06	
60273-7S	Mg	28932.54296	28953.93554	28911.15234	0.10456	ug/L	08/19/10	04:06	
60273-7S	2Mg	28.90646	28.92786	28.88507	0.10465	mg/L	08/19/10	04:06	
60273-7S	Mn	2308.19189	2307.83447	2308.54931	0.02189	ug/L	08/19/10	04:06	
60273-7S	Mo	496.60278	497.24023	495.96530	0.18153	ug/L	08/19/10	04:06	
60273-7S	Na	5169.17578	5177.88085	5160.47119	0.23815	ug/L	08/19/10	04:06	
60273-7S	Ni	580.72229	581.03698	580.40759	0.07663	ug/L	08/19/10	04:06	
60273-7S	Pb	627.17968	624.62518	629.73413	0.57600	ug/L	08/19/10	04:06	
60273-7S	Se	2033.70983	2027.40747	2040.01220	0.43825	ug/L	08/19/10	04:06	
60273-7S	Sb	454.79519	450.40820	459.18218	1.36416	ug/L	08/19/10	04:06	
60273-7S	Sn	1074.87744	1073.30932	1076.44567	0.20632	ug/L	08/19/10	04:06	
60273-7S	Sr	627.74426	628.26104	627.22747	0.11642	ug/L	08/19/10	04:06	
60273-7S	Ti	5045.31250	5046.54589	5044.07861	0.03457	ug/L	08/19/10	04:06	
60273-7S	Tl	2101.26464	2103.59179	2098.93725	0.15663	ug/L	08/19/10	04:06	
60273-7S	V	689.98736	690.23760	689.73712	0.05129	ug/L	08/19/10	04:06	
60273-7S	Zn	803.36389	802.35772	804.36999	0.17711	ug/L	08/19/10	04:06	
60273-7S	2203/1	638.75280	632.61474	644.89080	1.35897	ug/L	08/19/10	04:06	
60273-7S	2203/2	621.40173	620.63641	622.16711	0.17418	ug/L	08/19/10	04:06	
60273-7S	1960/1	2072.90576	2065.91381	2079.89746	0.47700	ug/L	08/19/10	04:06	
60273-7S	1960/2	2014.14135	2008.18310	2020.09948	0.41834	ug/L	08/19/10	04:06	
60273-7S	Y	954.51562	955.14093	953.89031	0.09264		08/19/10	04:06	
60273-7SD	Ag	52.19342	52.38151	52.00532	0.50966	ug/L	08/19/10	04:11	
60273-7SD	Al	68254.34375	68256.22656	68252.46875	0.00389	ug/L	08/19/10	04:11	
60273-7SD	2Al	68.25855	68.26042	68.25668	0.00387	mg/L	08/19/10	04:11	
60273-7SD	As	2033.41381	2039.44189	2027.38562	0.41924	ug/L	08/19/10	04:11	
60273-7SD	B	1016.31152	1016.72332	1015.89965	0.05730	ug/L	08/19/10	04:11	
60273-7SD	Ba	2245.99853	2247.19653	2244.80078	0.07542	ug/L	08/19/10	04:11	
60273-7SD	Be	54.64449	54.72452	54.56446	0.20712	ug/L	08/19/10	04:11	
60273-7SD	Ca	17271.41015	17286.75781	17256.06054	0.12567	ug/L	08/19/10	04:11	
60273-7SD	Cd	51.28833	51.58799	50.98867	0.82628	ug/L	08/19/10	04:11	
60273-7SD	Co	556.42425	556.86126	555.98724	0.11107	ug/L	08/19/10	04:11	
60273-7SD	Cr	276.79855	277.35211	276.24499	0.28282	ug/L	08/19/10	04:11	
60273-7SD	Cu	332.05450	332.56329	331.54568	0.21669	ug/L	08/19/10	04:11	
60273-7SD	Fe	96576.84375	96650.46093	96503.23437	0.10779	ug/L	08/19/10	04:11	
60273-7SD	2Fe	96.56161	96.63522	96.48801	0.10779	mg/L	08/19/10	04:11	
60273-7SD	K	8445.56933	8459.66015	8431.47851	0.23595	ug/L	08/19/10	04:11	
60273-7SD	Mg	23579.10351	23608.80078	23549.40625	0.17811	ug/L	08/19/10	04:11	
60273-7SD	2Mg	23.55639	23.58607	23.52671	0.17817	mg/L	08/19/10	04:11	
60273-7SD	Mn	2017.85510	2020.24523	2015.46496	0.16751	ug/L	08/19/10	04:11	
60273-7SD	Mo	487.35528	485.23785	489.47274	0.61444	ug/L	08/19/10	04:11	
60273-7SD	Na	5298.86523	5306.67871	5291.05224	0.20852	ug/L	08/19/10	04:11	
60273-7SD	Ni	568.86596	570.73425	566.99761	0.46446	ug/L	08/19/10	04:11	
60273-7SD	Pb	630.93359	633.30950	628.55761	0.53255	ug/L	08/19/10	04:11	
60273-7SD	Se	2025.02795	2026.14453	2023.91137	0.07797	ug/L	08/19/10	04:11	
60273-7SD	Sb	411.05313	404.64855	417.45770	2.20346	ug/L	08/19/10	04:11	
60273-7SD	Sn	1060.86840	1061.82849	1059.90820	0.12799	ug/L	08/19/10	04:11	
60273-7SD	Sr	602.29455	603.01074	601.57843	0.16815	ug/L	08/19/10	04:11	
60273-7SD	Ti	4195.73242	4199.89843	4191.56640	0.14041	ug/L	08/19/10	04:11	
60273-7SD	Tl	2092.70239	2086.70532	2098.69946	0.40527	ug/L	08/19/10	04:11	
60273-7SD	V	666.93298	667.08221	666.78369	0.03165	ug/L	08/19/10	04:11	
60273-7SD	Zn	786.79553	787.60302	785.98797	0.14514	ug/L	08/19/10	04:11	
60273-7SD	2203/1	642.34350	642.52075	642.16632	0.03901	ug/L	08/19/10	04:11	
60273-7SD	2203/2	625.23706	628.71075	621.76342	0.78570	ug/L	08/19/10	04:11	
60273-7SD	1960/1	2064.28271	2068.17358	2060.39184	0.26655	ug/L	08/19/10	04:11	
60273-7SD	1960/2	2005.43005	2005.16149	2005.69860	0.01893	ug/L	08/19/10	04:11	
60273-7SD	Y	964.14526	962.31744	965.97302	0.26810		08/19/10	04:11	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	504.26159	505.26940	503.25375	0.28264	ug/L	08/19/10	04:19	
CCV	Al	5043.68164	5053.36914	5033.99414	0.27163	ug/L	08/19/10	04:19	
CCV	2Al	5.04411	5.05379	5.03442	0.27162	mg/L	08/19/10	04:19	
CCV	As	504.07525	502.24130	505.90921	0.51452	ug/L	08/19/10	04:19	
CCV	B	4996.85742	4997.55029	4996.16455	0.01960	ug/L	08/19/10	04:19	
CCV	Ba	5031.92382	5037.80273	5026.04443	0.16523	ug/L	08/19/10	04:19	
CCV	Be	503.61126	504.69357	502.52896	0.30392	ug/L	08/19/10	04:19	
CCV	Ca	5191.45410	5200.41357	5182.49462	0.24406	ug/L	08/19/10	04:19	
CCV	Cd	497.69485	500.66586	494.72384	0.84422	ug/L	08/19/10	04:19	
CCV	Co	507.72341	507.50924	507.93759	0.05965	ug/L	08/19/10	04:19	
CCV	Cr	5048.72265	5060.07177	5037.37304	0.31791	ug/L	08/19/10	04:19	
CCV	Cu	5021.24316	5029.01074	5013.47607	0.21876	ug/L	08/19/10	04:19	
CCV	Fe	5038.95898	5049.98974	5027.92822	0.30958	ug/L	08/19/10	04:19	
CCV	2Fe	5.03898	5.05001	5.02795	0.30955	mg/L	08/19/10	04:19	
CCV	K	10496.81640	10515.20312	10478.42968	0.24772	ug/L	08/19/10	04:19	
CCV	Mg	5269.42285	5277.40869	5261.43701	0.21432	ug/L	08/19/10	04:19	
CCV	2Mg	5.26939	5.27738	5.26141	0.21430	mg/L	08/19/10	04:19	
CCV	Mn	5119.18847	5127.64160	5110.73535	0.23352	ug/L	08/19/10	04:19	
CCV	Mo	497.98693	496.69311	499.28073	0.36742	ug/L	08/19/10	04:19	
CCV	Na	7625.06884	7642.29199	7607.84570	0.31943	ug/L	08/19/10	04:19	
CCV	Ni	2533.75195	2535.85791	2531.64575	0.11755	ug/L	08/19/10	04:19	
CCV	Pb	512.31805	514.73925	509.89688	0.66834	ug/L	08/19/10	04:19	
CCV	Se	4969.75878	4986.20947	4953.30810	0.46812	ug/L	08/19/10	04:19	
CCV	Sb	497.32897	498.06085	496.59710	0.20811	ug/L	08/19/10	04:19	
CCV	Sn	5195.21289	5202.47216	5187.95312	0.19761	ug/L	08/19/10	04:19	
CCV	Sr	2491.47485	2496.21337	2486.73632	0.26896	ug/L	08/19/10	04:19	
CCV	Ti	504.65502	505.22875	504.08129	0.16077	ug/L	08/19/10	04:19	
CCV	Tl	5037.64746	5052.94677	5022.34814	0.42949	ug/L	08/19/10	04:19	
CCV	V	5250.21533	5257.81054	5242.62011	0.20458	ug/L	08/19/10	04:19	
CCV	Zn	2572.28027	2577.35083	2567.20971	0.27877	ug/L	08/19/10	04:19	
CCV	2203/1	519.47668	520.43914	518.51416	0.26202	ug/L	08/19/10	04:19	
CCV	2203/2	508.73931	511.88873	505.58987	0.87549	ug/L	08/19/10	04:19	
CCV	1960/1	5080.97558	5064.03857	5097.91259	0.47141	ug/L	08/19/10	04:19	
CCV	1960/2	4914.23388	4947.35351	4881.11425	0.95311	ug/L	08/19/10	04:19	
CCV	Y	945.37658	944.40496	946.34820	0.14534		08/19/10	04:19	
CCB	Ag	0.50281	0.13785	0.86777	102.64836	ug/L	08/19/10	04:25	
CCB	Al	-24.55212	-22.68702	-26.41723	10.74308	ug/L	08/19/10	04:25	
CCB	2Al	-0.02455	-0.02268	-0.02641	10.74312	mg/L	08/19/10	04:25	
CCB	As	0.41736	0.54214	0.29258	42.28036	ug/L	08/19/10	04:25	
CCB	B	15.53838	19.04715	12.02961	31.93479	ug/L	08/19/10	04:25	
CCB	Ba	1.33796	0.64399	2.03193	73.35169	ug/L	08/19/10	04:25	
CCB	Be	0.23020	0.14115	0.31924	54.70226	ug/L	08/19/10	04:25	
CCB	Ca	8.10405	7.30922	8.89888	13.87032	ug/L	08/19/10	04:25	
CCB	Cd	-0.08732	-0.12874	-0.04590	67.08025	ug/L	08/19/10	04:25	
CCB	Co	0.46359	0.92606	0.00112	141.07801	ug/L	08/19/10	04:25	
CCB	Cr	1.30978	0.81914	1.80043	52.97619	ug/L	08/19/10	04:25	
CCB	Cu	1.58486	0.78405	2.38567	71.45842	ug/L	08/19/10	04:25	
CCB	Fe	-6.07014	-8.54426	-3.59602	57.64173	ug/L	08/19/10	04:25	
CCB	2Fe	-0.00606	-0.00854	-0.00359	57.64278	mg/L	08/19/10	04:25	
CCB	K	3.31373	5.30059	1.32687	84.79396	ug/L	08/19/10	04:25	
CCB	Mg	0.00952	0.00368	0.01536	86.65689	ug/L	08/19/10	04:25	
CCB	2Mg	0.00001	0.00000	0.00001	72.11715	mg/L	08/19/10	04:25	
CCB	Mn	1.40440	0.68823	2.12057	72.11714	ug/L	08/19/10	04:25	
CCB	Mo	-0.93150	-1.43694	-0.42605	76.73688	ug/L	08/19/10	04:25	
CCB	Na	93.98345	188.43487	-0.46796	142.12553	ug/L	08/19/10	04:25	
CCB	Ni	1.09957	1.27551	0.92362	22.62869	ug/L	08/19/10	04:25	
CCB	Pb	0.24747	-0.33619	0.83114	333.54071	ug/L	08/19/10	04:25	
CCB	Se	4.76351	8.76303	0.76399	118.73944	ug/L	08/19/10	04:25	
CCB	Sb	-1.53735	-3.15411	0.07940	148.72589	ug/L	08/19/10	04:25	
CCB	Sn	0.16661	-0.02008	0.35331	158.47225	ug/L	08/19/10	04:25	
CCB	Sr	0.66825	0.29925	1.03725	78.08999	ug/L	08/19/10	04:25	
CCB	Ti	0.63673	0.59590	0.67755	9.06735	ug/L	08/19/10	04:25	
CCB	Tl	3.97181	3.12096	4.82265	30.29531	ug/L	08/19/10	04:25	
CCB	V	1.98539	1.42142	2.54935	40.17170	ug/L	08/19/10	04:25	
CCB	Zn	0.75727	0.27810	1.23643	89.48559	ug/L	08/19/10	04:25	
CCB	2203/1	0.60172	1.68474	-0.48129	254.54008	ug/L	08/19/10	04:25	
CCB	2203/2	0.07061	-1.34514	1.48638	2835.26660	ug/L	08/19/10	04:25	
CCB	1960/1	1.40287	4.61780	-1.81205	324.09072	ug/L	08/19/10	04:25	
CCB	1960/2	6.44131	10.83254	2.05009	96.41086	ug/L	08/19/10	04:25	
CCB	Y	952.14904	950.77343	953.52471	0.20432		08/19/10	04:25	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL	Ag	10.74043	10.76908	10.71178	0.37725	ug/L	08/19/10	04:30	
RL	Al	178.51242	176.20440	180.82043	1.82845	ug/L	08/19/10	04:30	
RL	2Al	0.17852	0.17622	0.18083	1.82846	mg/L	08/19/10	04:30	
RL	As	22.76200	20.65689	24.86712	13.07915	ug/L	08/19/10	04:30	
RL	B	77.93992	78.71644	77.16340	1.40898	ug/L	08/19/10	04:30	
RL	Ba	10.38489	10.07089	10.69890	4.27615	ug/L	08/19/10	04:30	
RL	Be	4.15956	4.18672	4.13239	0.92350	ug/L	08/19/10	04:30	
RL	Ca	513.17321	512.60913	513.73730	0.15545	ug/L	08/19/10	04:30	
RL	Cd	4.73832	4.69652	4.78012	1.24766	ug/L	08/19/10	04:30	
RL	Co	10.30772	9.89807	10.71737	5.62042	ug/L	08/19/10	04:30	
RL	Cr	10.44079	10.26273	10.61885	2.41183	ug/L	08/19/10	04:30	
RL	Cu	21.14756	20.68632	21.60879	3.08442	ug/L	08/19/10	04:30	
RL	Fe	59.42866	50.36769	68.48963	21.56223	ug/L	08/19/10	04:30	
RL	2Fe	0.05942	0.05036	0.06848	21.56107	mg/L	08/19/10	04:30	
RL	K	1032.42089	1027.00769	1037.83398	0.74149	ug/L	08/19/10	04:30	
RL	Mg	523.69964	521.03570	526.36358	0.71937	ug/L	08/19/10	04:30	
RL	2Mg	0.52354	0.52088	0.52620	0.71896	mg/L	08/19/10	04:30	
RL	Mn	10.43074	10.27481	10.58667	2.11412	ug/L	08/19/10	04:30	
RL	Mo	8.28095	8.23248	8.32942	0.82772	ug/L	08/19/10	04:30	
RL	Na	1176.95239	1071.75732	1282.14758	12.64013	ug/L	08/19/10	04:30	
RL	Ni	40.44808	39.98309	40.91306	1.62575	ug/L	08/19/10	04:30	
RL	Pb	10.59127	11.94727	9.23526	18.10620	ug/L	08/19/10	04:30	
RL	Se	20.95956	20.96710	20.95202	0.05087	ug/L	08/19/10	04:30	
RL	Sb	14.89117	13.96444	15.81789	8.80111	ug/L	08/19/10	04:30	
RL	Sn	51.50289	49.19775	53.80805	6.32969	ug/L	08/19/10	04:30	
RL	Sr	10.22961	10.11133	10.34790	1.63530	ug/L	08/19/10	04:30	
RL	Ti	10.17506	10.13136	10.21875	0.60727	ug/L	08/19/10	04:30	
RL	Tl	24.48800	23.06572	25.91027	8.21381	ug/L	08/19/10	04:30	
RL	V	10.74657	10.31456	11.17859	5.68516	ug/L	08/19/10	04:30	
RL	Zn	21.11084	21.21404	21.00764	0.69134	ug/L	08/19/10	04:30	
RL	2203/1	10.52970	10.98806	10.07134	6.15613	ug/L	08/19/10	04:30	
RL	2203/2	10.62201	12.42616	8.81786	24.02043	ug/L	08/19/10	04:30	
RL	1960/1	22.32022	23.66267	20.97777	8.50576	ug/L	08/19/10	04:30	
RL	1960/2	20.28023	19.62132	20.93914	4.59483	ug/L	08/19/10	04:30	
RL	Y	941.96154	942.15393	941.76910	0.02888		08/19/10	04:30	
ICSA	Ag	1.00860	0.70571	1.31148	42.46887	ug/L	08/19/10	04:35	
ICSA	Al	547556.75000	547702.06250	547411.50000	0.03752	ug/L	08/19/10	04:35	
ICSA	2Al	547.57519	547.71356	547.43688	0.03572	mg/L	08/19/10	04:35	
ICSA	As	6.93152	2.03055	11.83250	99.99278	ug/L	08/19/10	04:35	
ICSA	B	-9.56713	-9.89637	-9.23788	4.86692	ug/L	08/19/10	04:35	
ICSA	Ba	1.03132	1.04673	1.01591	2.11316	ug/L	08/19/10	04:35	
ICSA	Be	0.14425	0.12533	0.16317	18.54917	ug/L	08/19/10	04:35	
ICSA	Ca	519477.75000	519733.40625	519222.09375	0.06959	ug/L	08/19/10	04:35	
ICSA	Cd	2.77162	2.42752	3.11572	17.55753	ug/L	08/19/10	04:35	
ICSA	Co	0.95625	1.31373	0.59877	52.86742	ug/L	08/19/10	04:35	
ICSA	Cr	1.44427	1.83106	1.05748	37.87366	ug/L	08/19/10	04:35	
ICSA	Cu	2.30056	2.44789	2.15322	9.05701	ug/L	08/19/10	04:35	
ICSA	Fe	198597.43750	198672.21875	198522.64062	0.05325	ug/L	08/19/10	04:35	
ICSA	2Fe	198.56048	198.63252	198.48843	0.05131	mg/L	08/19/10	04:35	
ICSA	K	11.86840	9.87935	13.85746	23.70116	ug/L	08/19/10	04:35	
ICSA	Mg	565239.37500	565523.93750	564954.75000	0.07120	ug/L	08/19/10	04:35	
ICSA	2Mg	565.01409	565.29016	564.73803	0.06909	mg/L	08/19/10	04:35	
ICSA	Mn	-1.31822	-1.32740	-1.30904	0.98453	ug/L	08/19/10	04:35	
ICSA	Mo	0.18434	-0.01827	0.38695	155.44110	ug/L	08/19/10	04:35	
ICSA	Na	17.11329	-3.86124	38.08782	173.33001	ug/L	08/19/10	04:35	
ICSA	Ni	-0.96511	-1.02956	-0.90066	9.44411	ug/L	08/19/10	04:35	
ICSA	Pb	2.55114	0.29557	4.80671	125.03608	ug/L	08/19/10	04:35	
ICSA	Se	-1.42358	0.14047	-2.98764	155.37677	ug/L	08/19/10	04:35	
ICSA	Sb	0.02948	-2.42557	2.48454	11775.27832	ug/L	08/19/10	04:35	
ICSA	Sn	3.99060	2.70335	5.27785	45.61833	ug/L	08/19/10	04:35	
ICSA	Sr	2.42750	2.40569	2.44931	1.27064	ug/L	08/19/10	04:35	
ICSA	Ti	2.53902	2.46325	2.61479	4.22037	ug/L	08/19/10	04:35	
ICSA	Tl	-13.37066	-10.81652	-15.92480	27.01513	ug/L	08/19/10	04:35	
ICSA	V	-0.41723	-0.63542	-0.19905	73.95359	ug/L	08/19/10	04:35	
ICSA	Zn	6.19907	6.14606	6.25208	1.20934	ug/L	08/19/10	04:35	
ICSA	2203/1	-10.20310	-6.90555	-13.50064	45.70600	ug/L	08/19/10	04:35	
ICSA	2203/2	8.91871	3.89075	13.94667	79.72688	ug/L	08/19/10	04:35	
ICSA	1960/1	-6.91354	-6.78447	-7.04261	2.64022	ug/L	08/19/10	04:35	
ICSA	1960/2	1.31728	3.59776	-0.96320	244.82926	ug/L	08/19/10	04:35	
ICSA	Y	859.25354	858.52722	859.97985	0.11954		08/19/10	04:35	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB	Ag	214.46101	214.98623	213.93579	0.34634	ug/L	08/19/10	04:41	
ICSAB	Al	533303.75000	533430.93750	533176.56250	0.03372	ug/L	08/19/10	04:41	
ICSAB	2Al	533.30529	533.44354	533.16711	0.03665	mg/L	08/19/10	04:41	
ICSAB	As	105.54249	107.22242	103.86257	2.25101	ug/L	08/19/10	04:41	
ICSAB	B	-9.87998	-11.19440	-8.56557	18.81440	ug/L	08/19/10	04:41	
ICSAB	Ba	515.10449	515.61492	514.59411	0.14013	ug/L	08/19/10	04:41	
ICSAB	Be	504.69970	505.21850	504.18087	0.14537	ug/L	08/19/10	04:41	
ICSAB	Ca	507996.31250	508620.56250	507372.09375	0.17378	ug/L	08/19/10	04:41	
ICSAB	Cd	963.80358	966.15112	961.45611	0.34445	ug/L	08/19/10	04:41	
ICSAB	Co	482.67086	484.62136	480.72036	0.57149	ug/L	08/19/10	04:41	
ICSAB	Cr	488.53057	489.25003	487.81109	0.20827	ug/L	08/19/10	04:41	
ICSAB	Cu	540.89685	540.67102	541.12261	0.05903	ug/L	08/19/10	04:41	
ICSAB	Fe	194165.04687	194425.51562	193904.57812	0.18971	ug/L	08/19/10	04:41	
ICSAB	2Fe	194.12350	194.38841	193.85861	0.19298	mg/L	08/19/10	04:41	
ICSAB	K	0.99048	-3.18731	5.16828	596.50592	ug/L	08/19/10	04:41	
ICSAB	Mg	551571.81250	552163.93750	550979.68750	0.15181	ug/L	08/19/10	04:41	
ICSAB	2Mg	551.33483	551.94061	550.72912	0.15537	mg/L	08/19/10	04:41	
ICSAB	Mn	499.21118	500.12414	498.29824	0.25862	ug/L	08/19/10	04:41	
ICSAB	Mo	1079.65356	1076.97253	1082.33459	0.35118	ug/L	08/19/10	04:41	
ICSAB	Na	11.85960	11.89131	11.82788	0.37821	ug/L	08/19/10	04:41	
ICSAB	Ni	948.22302	949.16656	947.27941	0.14072	ug/L	08/19/10	04:41	
ICSAB	Pb	47.94276	45.56542	50.32010	7.01266	ug/L	08/19/10	04:41	
ICSAB	Se	53.49340	52.45870	54.52809	2.73543	ug/L	08/19/10	04:41	
ICSAB	Sb	627.62646	622.12292	633.12994	1.24009	ug/L	08/19/10	04:41	
ICSAB	Sn	1149.34277	1145.79528	1152.89013	0.43649	ug/L	08/19/10	04:41	
ICSAB	Sr	2.31216	2.30600	2.31833	0.37711	ug/L	08/19/10	04:41	
ICSAB	Ti	2.37813	2.46922	2.28705	5.41634	ug/L	08/19/10	04:41	
ICSAB	Tl	92.43865	91.86811	93.00920	0.87287	ug/L	08/19/10	04:41	
ICSAB	V	520.01867	520.50012	519.53729	0.13092	ug/L	08/19/10	04:41	
ICSAB	Zn	990.64208	992.13153	989.15264	0.21262	ug/L	08/19/10	04:41	
ICSAB	2203/1	33.90906	33.26455	34.55357	2.68799	ug/L	08/19/10	04:41	
ICSAB	2203/2	54.94909	51.70663	58.19154	8.34503	ug/L	08/19/10	04:41	
ICSAB	1960/1	42.40600	38.17811	46.63389	14.09974	ug/L	08/19/10	04:41	
ICSAB	1960/2	59.02878	59.58829	58.46928	1.34046	ug/L	08/19/10	04:41	
ICSAB	Y	862.14434	860.02795	864.26074	0.34716		08/19/10	04:41	
CCV	Ag	504.28656	503.64721	504.92590	0.17929	ug/L	08/19/10	04:49	
CCV	Al	5059.64550	5061.62500	5057.66650	0.05532	ug/L	08/19/10	04:49	
CCV	2Al	5.05995	5.06205	5.05784	0.05882	mg/L	08/19/10	04:49	
CCV	As	507.82794	503.78836	511.86752	1.12495	ug/L	08/19/10	04:49	
CCV	B	4992.06835	4989.51562	4994.62158	0.07232	ug/L	08/19/10	04:49	
CCV	Ba	5035.19726	5034.19140	5036.20263	0.02824	ug/L	08/19/10	04:49	
CCV	Be	502.87805	502.80517	502.95089	0.02049	ug/L	08/19/10	04:49	
CCV	Ca	5206.91503	5201.91894	5211.91162	0.13570	ug/L	08/19/10	04:49	
CCV	Cd	498.58416	499.55337	497.61492	0.27491	ug/L	08/19/10	04:49	
CCV	Co	507.97418	509.31323	506.63516	0.37279	ug/L	08/19/10	04:49	
CCV	Cr	5055.22119	5058.81298	5051.62939	0.10048	ug/L	08/19/10	04:49	
CCV	Cu	5031.68212	5034.16748	5029.19677	0.06985	ug/L	08/19/10	04:49	
CCV	Fe	5039.74755	5058.17431	5021.32080	0.51707	ug/L	08/19/10	04:49	
CCV	2Fe	5.03977	5.05819	5.02134	0.51703	mg/L	08/19/10	04:49	
CCV	K	10520.42578	10524.23339	10516.61816	0.05118	ug/L	08/19/10	04:49	
CCV	Mg	5292.75781	5296.37792	5289.13818	0.09672	ug/L	08/19/10	04:49	
CCV	2Mg	5.29272	5.29634	5.28910	0.09664	mg/L	08/19/10	04:49	
CCV	Mn	5121.89453	5124.29248	5119.49707	0.06620	ug/L	08/19/10	04:49	
CCV	Mo	495.29064	493.59680	496.98449	0.48364	ug/L	08/19/10	04:49	
CCV	Na	7573.42089	7548.68261	7598.15917	0.46194	ug/L	08/19/10	04:49	
CCV	Ni	2532.80810	2535.68139	2529.93481	0.16043	ug/L	08/19/10	04:49	
CCV	Pb	512.82666	513.66906	511.98425	0.23230	ug/L	08/19/10	04:49	
CCV	Se	4980.50537	4972.82470	4988.18603	0.21809	ug/L	08/19/10	04:49	
CCV	Sb	499.59942	496.78323	502.41561	0.79717	ug/L	08/19/10	04:49	
CCV	Sn	5212.06738	5213.37792	5210.75732	0.03555	ug/L	08/19/10	04:49	
CCV	Sr	2491.20214	2495.71215	2486.69189	0.25603	ug/L	08/19/10	04:49	
CCV	Ti	502.59881	503.11401	502.08364	0.14496	ug/L	08/19/10	04:49	
CCV	Tl	5038.32324	5040.02880	5036.61816	0.04786	ug/L	08/19/10	04:49	
CCV	V	5261.77685	5266.63623	5256.91748	0.13060	ug/L	08/19/10	04:49	
CCV	Zn	2571.83886	2575.36621	2568.31152	0.19396	ug/L	08/19/10	04:49	
CCV	2203/1	520.53668	521.35839	519.71496	0.22324	ug/L	08/19/10	04:49	
CCV	2203/2	508.97259	509.82531	508.11987	0.23693	ug/L	08/19/10	04:49	
CCV	1960/1	5079.75781	5073.37500	5086.14111	0.17770	ug/L	08/19/10	04:49	
CCV	1960/2	4930.95312	4922.62500	4939.28173	0.23886	ug/L	08/19/10	04:49	
CCV	Y	938.43096	939.16210	937.69982	0.11018		08/19/10	04:49	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.59777	0.25573	0.93981	80.91873	ug/L	08/19/10	04:54	
CCB	Al	-19.10216	-27.03377	-11.17055	58.72106	ug/L	08/19/10	04:54	
CCB	2Al	-0.01910	-0.02703	-0.01117	58.72095	mg/L	08/19/10	04:54	
CCB	As	2.75370	0.59025	4.91716	111.10795	ug/L	08/19/10	04:54	
CCB	B	16.98268	18.45080	15.51456	12.22559	ug/L	08/19/10	04:54	
CCB	Ba	1.07556	0.17319	1.97794	118.64928	ug/L	08/19/10	04:54	
CCB	Be	0.19477	0.09594	0.29360	71.75615	ug/L	08/19/10	04:54	
CCB	Ca	10.37302	4.70864	16.03740	77.22566	ug/L	08/19/10	04:54	
CCB	Cd	0.04410	0.09752	-0.00931	171.27705	ug/L	08/19/10	04:54	
CCB	Co	1.26166	1.50548	1.01784	27.33005	ug/L	08/19/10	04:54	
CCB	Cr	1.55565	0.12791	2.98340	129.79309	ug/L	08/19/10	04:54	
CCB	Cu	1.55231	0.58967	2.51495	87.69979	ug/L	08/19/10	04:54	
CCB	Fe	-15.89208	-18.43074	-13.35341	22.59119	ug/L	08/19/10	04:54	
CCB	2Fe	-0.01588	-0.01842	-0.01335	22.59223	mg/L	08/19/10	04:54	
CCB	K	4.18425	-4.69958	13.06809	300.26025	ug/L	08/19/10	04:54	
CCB	Mg	10.34831	5.14123	15.55539	71.16063	ug/L	08/19/10	04:54	
CCB	2Mg	0.01034	0.00514	0.01555	71.13765	mg/L	08/19/10	04:54	
CCB	Mn	1.15594	0.20191	2.10997	116.71800	ug/L	08/19/10	04:54	
CCB	Mo	-1.06150	-1.43843	-0.68458	50.21663	ug/L	08/19/10	04:54	
CCB	Na	133.37794	152.40559	114.35029	20.17511	ug/L	08/19/10	04:54	
CCB	Ni	-0.24368	-0.34704	-0.14033	59.98120	ug/L	08/19/10	04:54	
CCB	Pb	-0.26117	0.49132	-1.01366	407.46606	ug/L	08/19/10	04:54	
CCB	Se	0.24161	-1.66303	2.14627	1114.81140	ug/L	08/19/10	04:54	
CCB	Sb	-1.23909	0.37096	-2.84916	183.76115	ug/L	08/19/10	04:54	
CCB	Sn	1.83692	1.10793	2.56590	56.12364	ug/L	08/19/10	04:54	
CCB	Sr	0.56042	0.12902	0.99183	108.86194	ug/L	08/19/10	04:54	
CCB	Ti	0.34775	0.46001	0.23548	45.65554	ug/L	08/19/10	04:54	
CCB	Tl	4.07535	3.08164	5.06907	34.48336	ug/L	08/19/10	04:54	
CCB	V	1.53349	0.36522	2.70175	107.73930	ug/L	08/19/10	04:54	
CCB	Zn	0.67627	-0.14678	1.49934	172.11755	ug/L	08/19/10	04:54	
CCB	2203/1	1.11320	1.17875	1.04765	8.32733	ug/L	08/19/10	04:54	
CCB	2203/2	-0.94732	0.14812	-2.04278	163.53482	ug/L	08/19/10	04:54	
CCB	1960/1	-1.30026	-1.02099	-1.57954	30.37483	ug/L	08/19/10	04:54	
CCB	1960/2	1.01140	-1.98358	4.00639	418.77810	ug/L	08/19/10	04:54	
CCB	Y	932.23083	935.63153	928.83020	0.51588		08/19/10	04:54	
CCV	Ag	485.98156	486.34863	485.61447	0.10682	ug/L	08/19/10	09:50	
CCV	Al	4916.78320	4920.95458	4912.61181	0.11998	ug/L	08/19/10	09:50	
CCV	2Al	4.91695	4.92088	4.91303	0.11290	mg/L	08/19/10	09:50	
CCV	As	494.01986	496.95697	491.08276	0.84079	ug/L	08/19/10	09:50	
CCV	B	4808.36083	4812.91357	4803.80810	0.13390	ug/L	08/19/10	09:50	
CCV	Ba	4852.52050	4857.57861	4847.46240	0.14741	ug/L	08/19/10	09:50	
CCV	Be	484.76702	484.58093	484.95312	0.05428	ug/L	08/19/10	09:50	
CCV	Ca	5037.56152	5038.60791	5036.51464	0.02938	ug/L	08/19/10	09:50	
CCV	Cd	478.31158	478.83285	477.79028	0.15412	ug/L	08/19/10	09:50	
CCV	Co	490.96398	491.71008	490.21789	0.21491	ug/L	08/19/10	09:50	
CCV	Cr	4868.22070	4868.99365	4867.44726	0.02246	ug/L	08/19/10	09:50	
CCV	Cu	4860.76953	4864.48291	4857.05566	0.10804	ug/L	08/19/10	09:50	
CCV	Fe	4857.26757	4869.68847	4844.84619	0.36164	ug/L	08/19/10	09:50	
CCV	2Fe	4.85729	4.86971	4.84487	0.36160	mg/L	08/19/10	09:50	
CCV	K	10237.99414	10250.08789	10225.90136	0.16704	ug/L	08/19/10	09:50	
CCV	Mg	5106.08300	5108.01464	5104.15136	0.05349	ug/L	08/19/10	09:50	
CCV	2Mg	5.10605	5.10798	5.10412	0.05343	mg/L	08/19/10	09:50	
CCV	Mn	4944.57861	4945.33740	4943.81982	0.02170	ug/L	08/19/10	09:50	
CCV	Mo	479.33938	477.21749	481.46127	0.62602	ug/L	08/19/10	09:50	
CCV	Na	7369.52441	7268.48242	7470.56689	1.93900	ug/L	08/19/10	09:50	
CCV	Ni	2453.43090	2456.13159	2450.73022	0.15567	ug/L	08/19/10	09:50	
CCV	Pb	494.36727	492.94851	495.78604	0.40585	ug/L	08/19/10	09:50	
CCV	Se	4796.22363	4800.32421	4792.12304	0.12090	ug/L	08/19/10	09:50	
CCV	Sb	481.46215	483.84167	479.08267	0.69893	ug/L	08/19/10	09:50	
CCV	Sn	5039.35449	5038.02148	5040.68750	0.03740	ug/L	08/19/10	09:50	
CCV	Sr	2382.02832	2381.94995	2382.10668	0.00465	ug/L	08/19/10	09:50	
CCV	Ti	485.28207	485.68643	484.87771	0.11783	ug/L	08/19/10	09:50	
CCV	Tl	4837.10058	4845.05468	4829.14697	0.23254	ug/L	08/19/10	09:50	
CCV	V	5087.89208	5089.25195	5086.53222	0.03779	ug/L	08/19/10	09:50	
CCV	Zn	2497.66455	2497.70263	2497.62646	0.00215	ug/L	08/19/10	09:50	
CCV	2203/1	507.84954	506.48843	509.21063	0.37902	ug/L	08/19/10	09:50	
CCV	2203/2	487.63159	486.18399	489.07916	0.41982	ug/L	08/19/10	09:50	
CCV	1960/1	4929.95312	4914.19042	4945.71582	0.45217	ug/L	08/19/10	09:50	
CCV	1960/2	4729.45898	4743.47656	4715.44189	0.41914	ug/L	08/19/10	09:50	
CCV	Y	950.43188	950.07116	950.79266	0.05367		08/19/10	09:50	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.68764	0.50333	0.87195	37.90431	ug/L	08/19/10	09:58	
CCB	Al	-34.18748	-33.81840	-34.55655	1.52671	ug/L	08/19/10	09:58	
CCB	2Al	-0.03419	-0.03382	-0.03455	1.52671	mg/L	08/19/10	09:58	
CCB	As	-0.25618	-1.62516	1.11279	755.72906	ug/L	08/19/10	09:58	
CCB	B	17.99862	20.13978	15.85746	16.82383	ug/L	08/19/10	09:58	
CCB	Ba	-0.01367	0.01285	-0.04019	274.34368	ug/L	08/19/10	09:58	
CCB	Be	0.09121	0.09179	0.09063	0.89583	ug/L	08/19/10	09:58	
CCB	Ca	6.45038	5.95507	6.94568	10.85925	ug/L	08/19/10	09:58	
CCB	Cd	-0.01601	-0.42093	0.38889	3574.79394	ug/L	08/19/10	09:58	
CCB	Co	0.66660	0.52304	0.81015	30.45562	ug/L	08/19/10	09:58	
CCB	Cr	0.00764	0.35844	-0.34314	6486.24414	ug/L	08/19/10	09:58	
CCB	Cu	0.62233	0.94404	0.30062	73.10644	ug/L	08/19/10	09:58	
CCB	Fe	-15.06286	-21.64206	-8.48366	61.77040	ug/L	08/19/10	09:58	
CCB	2Fe	-0.01506	-0.02163	-0.00848	61.77200	mg/L	08/19/10	09:58	
CCB	K	0.08553	-2.09595	2.26702	3606.70996	ug/L	08/19/10	09:58	
CCB	Mg	-0.00300	-0.00436	-0.00165	63.46190	ug/L	08/19/10	09:58	
CCB	2Mg	0.00000	0.00000	0.00000	75.87911	mg/L	08/19/10	09:58	
CCB	Mn	-0.04779	-0.07343	-0.02214	75.87911	ug/L	08/19/10	09:58	
CCB	Mo	-0.55520	-0.97367	-0.13673	106.59243	ug/L	08/19/10	09:58	
CCB	Na	36.99464	56.08497	17.90432	72.97757	ug/L	08/19/10	09:58	
CCB	Ni	-0.27422	-0.65893	0.11048	198.39892	ug/L	08/19/10	09:58	
CCB	Pb	-0.26999	-1.50154	0.96155	645.07629	ug/L	08/19/10	09:58	
CCB	Se	1.97341	2.69482	1.25200	51.69871	ug/L	08/19/10	09:58	
CCB	Sb	-0.93095	-0.23197	-1.62993	106.18218	ug/L	08/19/10	09:58	
CCB	Sn	2.32134	2.94099	1.70169	37.75025	ug/L	08/19/10	09:58	
CCB	Sr	0.01174	0.01171	0.01177	0.34275	ug/L	08/19/10	09:58	
CCB	Ti	0.19548	0.26496	0.12601	50.26020	ug/L	08/19/10	09:58	
CCB	Tl	2.79761	3.26862	2.32660	23.80987	ug/L	08/19/10	09:58	
CCB	V	0.14700	-0.06548	0.35950	204.42056	ug/L	08/19/10	09:58	
CCB	Zn	-0.20255	-0.25601	-0.14909	37.32517	ug/L	08/19/10	09:58	
CCB	2203/1	0.53583	-2.01232	3.08398	672.53424	ug/L	08/19/10	09:58	
CCB	2203/2	-0.67230	-1.24653	-0.09807	120.79122	ug/L	08/19/10	09:58	
CCB	1960/1	1.58605	4.44642	-1.27430	255.04518	ug/L	08/19/10	09:58	
CCB	1960/2	2.16680	1.82033	2.51326	22.61269	ug/L	08/19/10	09:58	
CCB	Y	943.45263	944.19335	942.71185	0.11103		08/19/10	09:58	
PBW 177399	Ag	0.37515	0.30961	0.44069	24.70671	ug/L	08/19/10	10:03	
PBW 177399	Al	-15.12340	-11.14705	-19.09974	37.18347	ug/L	08/19/10	10:03	
PBW 177399	2Al	-0.01512	-0.01114	-0.01910	37.18338	mg/L	08/19/10	10:03	
PBW 177399	As	1.53170	3.30402	-0.24061	163.63690	ug/L	08/19/10	10:03	
PBW 177399	B	-3.73086	-3.20272	-4.25900	20.01946	ug/L	08/19/10	10:03	
PBW 177399	Ba	0.56925	0.59829	0.54021	7.21378	ug/L	08/19/10	10:03	
PBW 177399	Be	0.12703	0.13327	0.12079	6.94589	ug/L	08/19/10	10:03	
PBW 177399	Ca	329.09899	336.31463	321.88336	3.10072	ug/L	08/19/10	10:03	
PBW 177399	Cd	-0.31135	-0.41613	-0.20658	47.59059	ug/L	08/19/10	10:03	
PBW 177399	Co	0.82316	0.04815	1.59817	133.14878	ug/L	08/19/10	10:03	
PBW 177399	Cr	0.89318	0.75878	1.02759	21.28064	ug/L	08/19/10	10:03	
PBW 177399	Cu	1.23695	1.62670	0.84720	44.56027	ug/L	08/19/10	10:03	
PBW 177399	Fe	46.38698	47.41188	45.36209	3.12463	ug/L	08/19/10	10:03	
PBW 177399	2Fe	0.04638	0.04740	0.04535	3.12404	mg/L	08/19/10	10:03	
PBW 177399	K	23.72040	24.32930	23.11150	3.63025	ug/L	08/19/10	10:03	
PBW 177399	Mg	13.18662	10.74497	15.62826	26.18572	ug/L	08/19/10	10:03	
PBW 177399	2Mg	0.01317	0.01073	0.01561	26.20306	mg/L	08/19/10	10:03	
PBW 177399	Mn	0.81085	0.82462	0.79709	2.40092	ug/L	08/19/10	10:03	
PBW 177399	Mo	-0.79881	0.31572	-1.91334	197.31674	ug/L	08/19/10	10:03	
PBW 177399	Na	165.80870	217.15071	114.46668	43.79056	ug/L	08/19/10	10:03	
PBW 177399	Ni	0.00002	-0.64382	0.64388	3108117.50000	ug/L	08/19/10	10:03	
PBW 177399	Pb	2.31025	2.28069	2.33981	1.80953	ug/L	08/19/10	10:03	
PBW 177399	Se	-2.13483	0.95123	-5.22091	204.43579	ug/L	08/19/10	10:03	
PBW 177399	Sb	2.67789	1.32560	4.03018	71.41534	ug/L	08/19/10	10:03	
PBW 177399	Sn	13.46029	16.77918	10.14139	34.87014	ug/L	08/19/10	10:03	
PBW 177399	Sr	4.36733	4.46028	4.27437	3.01006	ug/L	08/19/10	10:03	
PBW 177399	Ti	0.38076	0.46750	0.29403	32.21540	ug/L	08/19/10	10:03	
PBW 177399	Tl	0.15077	0.64627	-0.34472	464.75796	ug/L	08/19/10	10:03	
PBW 177399	V	0.46704	1.06674	-0.13266	181.59246	ug/L	08/19/10	10:03	
PBW 177399	Zn	6.94398	6.99893	6.88903	1.11912	ug/L	08/19/10	10:03	
PBW 177399	2203/1	1.68733	0.58787	2.78680	92.14987	ug/L	08/19/10	10:03	
PBW 177399	2203/2	2.62124	3.12583	2.11665	27.22364	ug/L	08/19/10	10:03	
PBW 177399	1960/1	-7.25179	-8.55661	-5.94696	25.44617	ug/L	08/19/10	10:03	
PBW 177399	1960/2	0.41980	5.69804	-4.85843	1778.10107	ug/L	08/19/10	10:03	
PBW 177399	Y	910.69653	896.87255	924.52044	2.14670		08/19/10	10:03	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60283-5 1/10	Ag	0.19257	-0.18020	0.56534	273.75936	ug/L	08/19/10	10:10	
60283-5 1/10	Al	9188.60937	9194.11914	9183.09960	0.08480	ug/L	08/19/10	10:10	
60283-5 1/10	2Al	9.18947	9.19498	9.18395	0.08480	mg/L	08/19/10	10:10	
60283-5 1/10	As	7.81019	6.47951	9.14088	24.09509	ug/L	08/19/10	10:10	
60283-5 1/10	B	9.08277	9.55998	8.60557	7.43022	ug/L	08/19/10	10:10	
60283-5 1/10	Ba	232.30848	232.26831	232.34866	0.02445	ug/L	08/19/10	10:10	
60283-5 1/10	Be	0.55992	0.57647	0.54336	4.18140	ug/L	08/19/10	10:10	
60283-5 1/10	Ca	151807.59375	151818.75000	151796.45312	0.01038	ug/L	08/19/10	10:10	
60283-5 1/10	Cd	2.56670	2.25507	2.87833	17.17040	ug/L	08/19/10	10:10	
60283-5 1/10	Co	4.39664	4.23651	4.55677	5.15063	ug/L	08/19/10	10:10	
60283-5 1/10	Cr	21.04664	21.09883	20.99445	0.35068	ug/L	08/19/10	10:10	
60283-5 1/10	Cu	85.21546	85.44274	84.98820	0.37716	ug/L	08/19/10	10:10	
60283-5 1/10	Fe	15546.74414	15547.54492	15545.94238	0.00728	ug/L	08/19/10	10:10	
60283-5 1/10	2Fe	15.54477	15.54557	15.54397	0.00728	mg/L	08/19/10	10:10	
60283-5 1/10	K	1823.19116	1819.98742	1826.39501	0.24851	ug/L	08/19/10	10:10	
60283-5 1/10	Mg	2796.79931	2792.04467	2801.55395	0.24042	ug/L	08/19/10	10:10	
60283-5 1/10	2Mg	2.79335	2.78860	2.79811	0.24064	mg/L	08/19/10	10:10	
60283-5 1/10	Mn	177.34088	177.46987	177.21189	0.10286	ug/L	08/19/10	10:10	
60283-5 1/10	Mo	-0.78133	-0.68683	-0.87583	17.10375	ug/L	08/19/10	10:10	
60283-5 1/10	Na	118.71230	32.04751	205.37709	103.24330	ug/L	08/19/10	10:10	
60283-5 1/10	Ni	9.99634	9.93628	10.05639	0.84962	ug/L	08/19/10	10:10	
60283-5 1/10	Pb	2650.58740	2652.64086	2648.53393	0.10956	ug/L	08/19/10	10:10	
60283-5 1/10	Se	-0.11907	-3.77956	3.54141	4347.51855	ug/L	08/19/10	10:10	
60283-5 1/10	Sb	-0.66115	1.17293	-2.49523	392.31369	ug/L	08/19/10	10:10	
60283-5 1/10	Sn	370.07257	372.01080	368.13436	0.74067	ug/L	08/19/10	10:10	
60283-5 1/10	Sr	172.11474	172.00151	172.22798	0.09304	ug/L	08/19/10	10:10	
60283-5 1/10	Ti	38.39741	38.29653	38.49828	0.37152	ug/L	08/19/10	10:10	
60283-5 1/10	Tl	-3.07728	1.71373	-7.86829	220.17871	ug/L	08/19/10	10:10	
60283-5 1/10	V	24.02616	23.61847	24.43384	2.39970	ug/L	08/19/10	10:10	
60283-5 1/10	Zn	545.07104	545.48986	544.65222	0.10866	ug/L	08/19/10	10:10	
60283-5 1/10	2203/1	2716.68701	2717.14941	2716.22460	0.02407	ug/L	08/19/10	10:10	
60283-5 1/10	2203/2	2617.58715	2620.43481	2614.73950	0.15385	ug/L	08/19/10	10:10	
60283-5 1/10	1960/1	0.30331	-0.31861	0.92524	289.97665	ug/L	08/19/10	10:10	
60283-5 1/10	1960/2	-0.32995	-5.50743	4.84753	2219.14257	ug/L	08/19/10	10:10	
60283-5 1/10	Y	933.01013	932.01440	934.00579	0.15092		08/19/10	10:10	
RL ICP	Ag	10.84357	10.75840	10.92874	1.11079	ug/L	08/19/10	10:18	
RL ICP	Al	172.47482	175.05332	169.89633	2.11424	ug/L	08/19/10	10:18	
RL ICP	2Al	0.17249	0.17506	0.16991	2.11424	mg/L	08/19/10	10:18	
RL ICP	As	19.81068	19.09004	20.53131	5.14434	ug/L	08/19/10	10:18	
RL ICP	B	73.51442	73.19226	73.83659	0.61975	ug/L	08/19/10	10:18	
RL ICP	Ba	10.05072	10.06042	10.04102	0.13647	ug/L	08/19/10	10:18	
RL ICP	Be	4.12699	4.11668	4.13731	0.35346	ug/L	08/19/10	10:18	
RL ICP	Ca	513.54290	513.80694	513.27886	0.07271	ug/L	08/19/10	10:18	
RL ICP	Cd	4.63484	4.52507	4.74461	3.34949	ug/L	08/19/10	10:18	
RL ICP	Co	10.97134	10.54503	11.39766	5.49524	ug/L	08/19/10	10:18	
RL ICP	Cr	10.44824	10.66163	10.23484	2.88843	ug/L	08/19/10	10:18	
RL ICP	Cu	20.68782	21.06672	20.30893	2.59010	ug/L	08/19/10	10:18	
RL ICP	Fe	38.55342	53.55588	23.55096	55.03190	ug/L	08/19/10	10:18	
RL ICP	2Fe	0.03855	0.05355	0.02355	55.02503	mg/L	08/19/10	10:18	
RL ICP	K	1019.77655	1023.50109	1016.05200	0.51651	ug/L	08/19/10	10:18	
RL ICP	Mg	521.15789	520.49383	521.82196	0.18019	ug/L	08/19/10	10:18	
RL ICP	2Mg	0.52100	0.52034	0.52167	0.18090	mg/L	08/19/10	10:18	
RL ICP	Mn	10.15900	10.21292	10.10508	0.75061	ug/L	08/19/10	10:18	
RL ICP	Mo	9.11842	10.45180	7.78504	20.67992	ug/L	08/19/10	10:18	
RL ICP	Na	1038.05908	918.20886	1157.90917	16.32794	ug/L	08/19/10	10:18	
RL ICP	Ni	39.83613	40.22001	39.45225	1.36281	ug/L	08/19/10	10:18	
RL ICP	Pb	11.80534	11.79372	11.81695	0.13915	ug/L	08/19/10	10:18	
RL ICP	Se	19.05456	16.52281	21.58631	18.79040	ug/L	08/19/10	10:18	
RL ICP	Sb	15.54911	14.39833	16.69989	10.46650	ug/L	08/19/10	10:18	
RL ICP	Sn	52.60866	52.27779	52.93953	0.88944	ug/L	08/19/10	10:18	
RL ICP	Sr	10.08619	10.12979	10.04259	0.61138	ug/L	08/19/10	10:18	
RL ICP	Ti	10.09976	10.06569	10.13382	0.47693	ug/L	08/19/10	10:18	
RL ICP	Tl	22.70510	27.41842	17.99178	29.35747	ug/L	08/19/10	10:18	
RL ICP	V	10.73135	11.02074	10.44197	3.81358	ug/L	08/19/10	10:18	
RL ICP	Zn	21.16850	21.29988	21.03712	0.87772	ug/L	08/19/10	10:18	
RL ICP	2203/1	12.27726	11.40779	13.14672	10.01536	ug/L	08/19/10	10:18	
RL ICP	2203/2	11.56973	11.98640	11.15307	5.09307	ug/L	08/19/10	10:18	
RL ICP	1960/1	20.18486	20.22209	20.14764	0.26082	ug/L	08/19/10	10:18	
RL ICP	1960/2	18.49026	14.67595	22.30457	29.17344	ug/L	08/19/10	10:18	
RL ICP	Y	946.54064	943.13513	949.94610	0.50880		08/19/10	10:18	

D081810

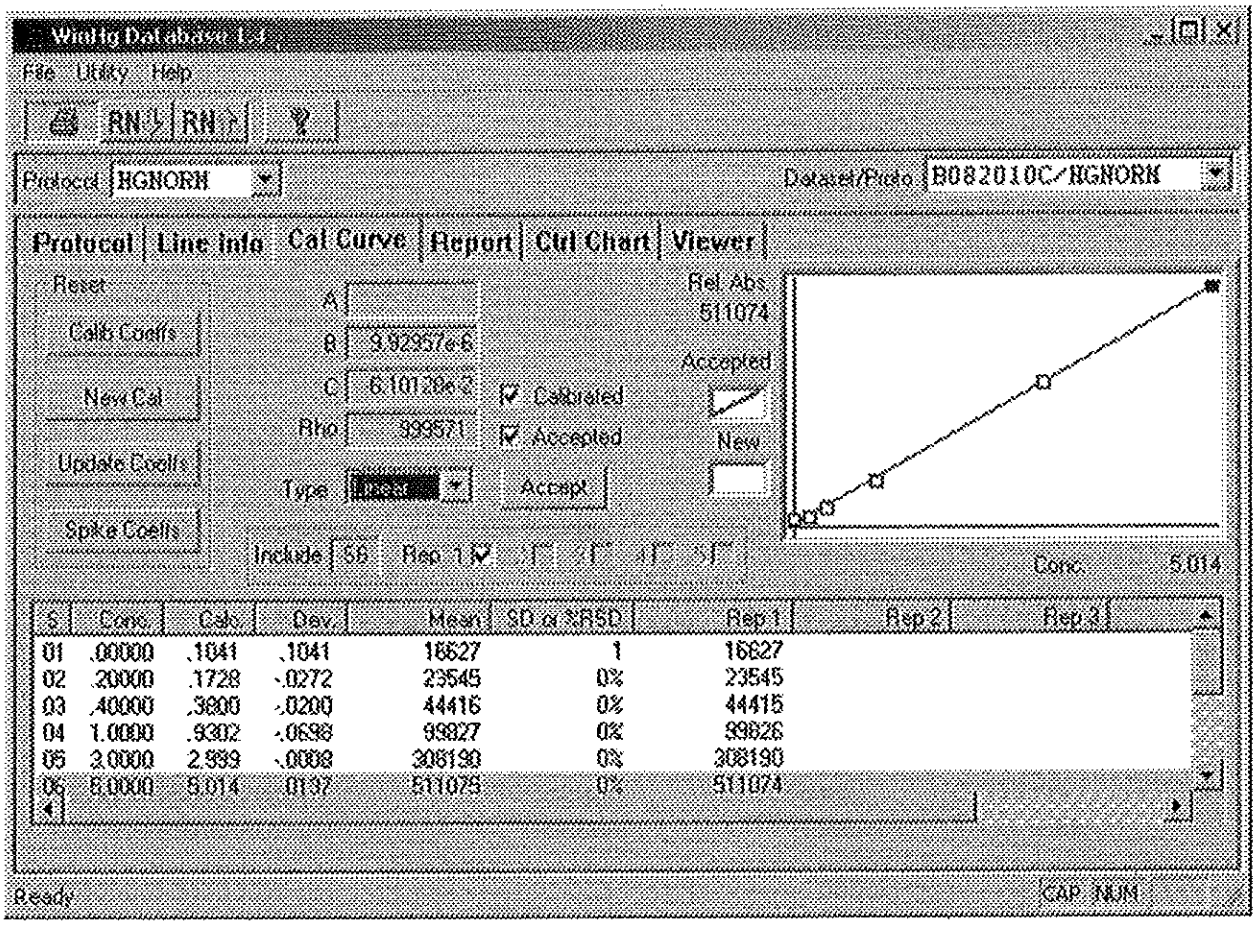
SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP	Ag	10.74444	10.79033	10.69855	0.60400	ug/L	08/19/10	10:32	
RL ICP	Al	179.46847	179.60528	179.33166	0.10780	ug/L	08/19/10	10:32	
RL ICP	2Al	0.17948	0.17962	0.17934	0.10780	mg/L	08/19/10	10:32	
RL ICP	As	20.83283	20.51996	21.14570	2.12388	ug/L	08/19/10	10:32	
RL ICP	B	71.66528	74.07174	69.25881	4.74881	ug/L	08/19/10	10:32	
RL ICP	Ba	10.16425	10.14068	10.18782	0.32797	ug/L	08/19/10	10:32	
RL ICP	Be	4.10107	4.10711	4.09503	0.20825	ug/L	08/19/10	10:32	
RL ICP	Ca	517.82336	517.79077	517.85589	0.00889	ug/L	08/19/10	10:32	
RL ICP	Cd	4.95659	4.91694	4.99624	1.13138	ug/L	08/19/10	10:32	
RL ICP	Co	10.66948	10.46622	10.87275	2.69419	ug/L	08/19/10	10:32	
RL ICP	Cr	9.95568	9.81903	10.09234	1.94117	ug/L	08/19/10	10:32	
RL ICP	Cu	21.05509	20.98194	21.12825	0.49135	ug/L	08/19/10	10:32	
RL ICP	Fe	40.01590	38.24642	41.78538	6.25356	ug/L	08/19/10	10:32	
RL ICP	2Fe	0.04001	0.03824	0.04178	6.25320	mg/L	08/19/10	10:32	
RL ICP	K	1032.69555	1026.51818	1038.87280	0.84594	ug/L	08/19/10	10:32	
RL ICP	Mg	529.93579	526.44909	533.42242	0.93046	ug/L	08/19/10	10:32	
RL ICP	2Mg	0.52978	0.52629	0.53326	0.93040	mg/L	08/19/10	10:32	
RL ICP	Mn	10.18950	10.20740	10.17161	0.24838	ug/L	08/19/10	10:32	
RL ICP	Mo	10.10666	10.42035	9.79297	4.38940	ug/L	08/19/10	10:32	
RL ICP	Na	1085.25817	781.31903	1389.19738	39.60669	ug/L	08/19/10	10:32	
RL ICP	Ni	41.76138	41.21489	42.30787	1.85064	ug/L	08/19/10	10:32	
RL ICP	Pb	8.37130	7.53358	9.20901	14.15200	ug/L	08/19/10	10:32	
RL ICP	Se	20.15367	21.80395	18.50338	11.58031	ug/L	08/19/10	10:32	
RL ICP	Sb	16.78408	17.19091	16.37726	3.42785	ug/L	08/19/10	10:32	
RL ICP	Sn	53.19973	51.25717	55.14229	5.16392	ug/L	08/19/10	10:32	
RL ICP	Sr	10.19794	10.18474	10.21114	0.18303	ug/L	08/19/10	10:32	
RL ICP	Ti	10.07770	10.04742	10.10799	0.42499	ug/L	08/19/10	10:32	
RL ICP	Tl	23.10758	21.23707	24.97810	11.44779	ug/L	08/19/10	10:32	
RL ICP	V	10.36142	10.08756	10.63528	3.73788	ug/L	08/19/10	10:32	
RL ICP	Zn	20.69780	20.88319	20.51242	1.26668	ug/L	08/19/10	10:32	
RL ICP	2203/1	8.14303	5.24526	11.04080	50.32602	ug/L	08/19/10	10:32	
RL ICP	2203/2	8.48526	8.67603	8.29449	3.17948	ug/L	08/19/10	10:32	
RL ICP	1960/1	17.60333	20.09926	15.10741	20.05170	ug/L	08/19/10	10:32	
RL ICP	1960/2	21.42691	22.65500	20.19882	8.10560	ug/L	08/19/10	10:32	
RL ICP	Y	921.79321	923.31793	920.26843	0.23392		08/19/10	10:32	
ICSA61	Ag	0.63955	0.84384	0.43525	45.17464	ug/L	08/19/10	10:36	
ICSA61	Al	542908.56250	543141.50000	542675.62500	0.06067	ug/L	08/19/10	10:36	
ICSA61	2Al	542.92144	543.14587	542.69702	0.05845	mg/L	08/19/10	10:36	
ICSA61	As	1.83226	-0.88790	4.55243	209.95370	ug/L	08/19/10	10:36	
ICSA61	B	-15.26605	-15.33858	-15.19352	0.67189	ug/L	08/19/10	10:36	
ICSA61	Ba	0.79184	0.77727	0.80642	2.60299	ug/L	08/19/10	10:36	
ICSA61	Be	0.12452	0.11831	0.13074	7.05737	ug/L	08/19/10	10:36	
ICSA61	Ca	519326.37500	519322.34375	519330.37500	0.00109	ug/L	08/19/10	10:36	
ICSA61	Cd	2.27661	2.27112	2.28211	0.34122	ug/L	08/19/10	10:36	
ICSA61	Co	1.27160	0.95823	1.58497	34.85143	ug/L	08/19/10	10:36	
ICSA61	Cr	1.42838	1.13678	1.71998	28.87064	ug/L	08/19/10	10:36	
ICSA61	Cu	2.17528	1.90286	2.44771	17.71100	ug/L	08/19/10	10:36	
ICSA61	Fe	197667.34375	197641.18750	197693.50000	0.01871	ug/L	08/19/10	10:36	
ICSA61	2Fe	197.62948	197.59967	197.65930	0.02133	mg/L	08/19/10	10:36	
ICSA61	K	-4.15312	-7.01253	-1.29371	97.36808	ug/L	08/19/10	10:36	
ICSA61	Mg	561391.50000	561104.18750	561678.75000	0.07236	ug/L	08/19/10	10:36	
ICSA61	2Mg	561.16149	560.86578	561.45721	0.07452	mg/L	08/19/10	10:36	
ICSA61	Mn	-1.37519	-1.27833	-1.47205	9.96091	ug/L	08/19/10	10:36	
ICSA61	Mo	-1.70510	-0.52070	-2.88950	98.23423	ug/L	08/19/10	10:36	
ICSA61	Na	259.77142	397.20092	122.34193	74.81756	ug/L	08/19/10	10:36	
ICSA61	Ni	-0.03095	-0.62518	0.56327	2714.86718	ug/L	08/19/10	10:36	
ICSA61	Pb	-1.58734	-0.96056	-2.21412	55.84143	ug/L	08/19/10	10:36	
ICSA61	Se	0.20846	-0.12846	0.54538	228.57322	ug/L	08/19/10	10:36	
ICSA61	Sb	-4.37823	1.85782	-10.61428	201.43095	ug/L	08/19/10	10:36	
ICSA61	Sn	6.63365	3.86433	9.40297	59.03855	ug/L	08/19/10	10:36	
ICSA61	Sr	2.36008	2.35644	2.36373	0.21833	ug/L	08/19/10	10:36	
ICSA61	Ti	2.16391	2.22506	2.10277	3.99603	ug/L	08/19/10	10:36	
ICSA61	Tl	-8.95754	-12.48039	-5.43469	55.61867	ug/L	08/19/10	10:36	
ICSA61	V	-1.04896	-0.30425	-1.79368	100.40152	ug/L	08/19/10	10:36	
ICSA61	Zn	4.71352	4.29591	5.13113	12.52968	ug/L	08/19/10	10:36	
ICSA61	2203/1	-13.73591	-12.57229	-14.89953	11.98033	ug/L	08/19/10	10:36	
ICSA61	2203/2	4.47783	4.83658	4.11907	11.33050	ug/L	08/19/10	10:36	
ICSA61	1960/1	0.94115	2.83637	-0.95406	284.78338	ug/L	08/19/10	10:36	
ICSA61	1960/2	-0.15733	-1.60866	1.29399	1304.52246	ug/L	08/19/10	10:36	
ICSA61	Y	850.56188	850.42718	850.69659	0.02239		08/19/10	10:36	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB61	Ag	214.25985	214.39744	214.12228	0.09080	ug/L	08/19/10	10:41	
ICSAB61	Al	533540.81250	532629.87500	534451.75000	0.24145	ug/L	08/19/10	10:41	
ICSAB61	2Al	533.55706	532.61889	534.49523	0.24866	mg/L	08/19/10	10:41	
ICSAB61	As	99.25337	98.99218	99.51456	0.37215	ug/L	08/19/10	10:41	
ICSAB61	B	-14.19313	-13.07995	-15.30631	11.09179	ug/L	08/19/10	10:41	
ICSAB61	Ba	515.94555	515.22064	516.67041	0.19869	ug/L	08/19/10	10:41	
ICSAB61	Be	506.08432	505.41256	506.75607	0.18771	ug/L	08/19/10	10:41	
ICSAB61	Ca	511767.50000	511264.53125	512270.50000	0.13899	ug/L	08/19/10	10:41	
ICSAB61	Cd	966.24243	964.40759	968.07720	0.26854	ug/L	08/19/10	10:41	
ICSAB61	Co	485.92199	485.70904	486.13494	0.06197	ug/L	08/19/10	10:41	
ICSAB61	Cr	491.05761	489.91073	492.20449	0.33029	ug/L	08/19/10	10:41	
ICSAB61	Cu	542.17132	541.39465	542.94799	0.20258	ug/L	08/19/10	10:41	
ICSAB61	Fe	194989.71875	194625.15625	195354.26562	0.26440	ug/L	08/19/10	10:41	
ICSAB61	2Fe	194.95336	194.57887	195.32786	0.27166	mg/L	08/19/10	10:41	
ICSAB61	K	-4.22887	0.92160	-9.37934	172.24136	ug/L	08/19/10	10:41	
ICSAB61	Mg	552719.56250	551906.56250	553532.56250	0.20801	ug/L	08/19/10	10:41	
ICSAB61	2Mg	552.49572	551.65490	553.33654	0.21522	mg/L	08/19/10	10:41	
ICSAB61	Mn	500.20373	499.48919	500.91824	0.20201	ug/L	08/19/10	10:41	
ICSAB61	Mo	1093.76513	1093.28588	1094.24450	0.06197	ug/L	08/19/10	10:41	
ICSAB61	Na	148.30026	263.99789	32.60264	110.33098	ug/L	08/19/10	10:41	
ICSAB61	Ni	955.51116	955.49053	955.53179	0.00305	ug/L	08/19/10	10:41	
ICSAB61	Pb	50.92413	52.18241	49.66585	3.49437	ug/L	08/19/10	10:41	
ICSAB61	Se	52.14402	49.76736	54.52068	6.44580	ug/L	08/19/10	10:41	
ICSAB61	Sb	627.93353	620.22180	635.64526	1.73681	ug/L	08/19/10	10:41	
ICSAB61	Sn	1158.70849	1161.25427	1156.16284	0.31070	ug/L	08/19/10	10:41	
ICSAB61	Sr	2.32967	2.36023	2.29911	1.85504	ug/L	08/19/10	10:41	
ICSAB61	Ti	2.31276	2.32538	2.30013	0.77209	ug/L	08/19/10	10:41	
ICSAB61	Tl	93.82717	92.12696	95.52738	2.56265	ug/L	08/19/10	10:41	
ICSAB61	V	521.66296	521.82464	521.50134	0.04382	ug/L	08/19/10	10:41	
ICSAB61	Zn	998.39215	996.63714	1000.14715	0.24859	ug/L	08/19/10	10:41	
ICSAB61	2203/1	39.51410	40.95998	38.06822	5.17482	ug/L	08/19/10	10:41	
ICSAB61	2203/2	56.62059	57.78521	55.45597	2.90887	ug/L	08/19/10	10:41	
ICSAB61	1960/1	53.31638	51.35015	55.28260	5.21540	ug/L	08/19/10	10:41	
ICSAB61	1960/2	51.55872	48.97716	54.14029	7.08102	ug/L	08/19/10	10:41	
ICSAB61	Y	854.28002	854.81390	853.74609	0.08838		08/19/10	10:41	
CCV	Ag	493.20812	493.71047	492.70574	0.14404	ug/L	08/19/10	10:47	
CCV	Al	4924.98437	4939.75585	4910.21337	0.42415	ug/L	08/19/10	10:47	
CCV	2Al	4.92527	4.94017	4.91038	0.42774	mg/L	08/19/10	10:47	
CCV	As	491.99914	488.72131	495.27697	0.94218	ug/L	08/19/10	10:47	
CCV	B	4894.63720	4889.66308	4899.61132	0.14371	ug/L	08/19/10	10:47	
CCV	Ba	4940.00732	4942.62890	4937.38574	0.07505	ug/L	08/19/10	10:47	
CCV	Be	495.18316	495.86526	494.50109	0.19479	ug/L	08/19/10	10:47	
CCV	Ca	5137.32910	5146.88769	5127.77001	0.26313	ug/L	08/19/10	10:47	
CCV	Cd	491.41531	492.88781	489.94281	0.42376	ug/L	08/19/10	10:47	
CCV	Co	499.59744	500.29959	498.89529	0.19875	ug/L	08/19/10	10:47	
CCV	Cr	4968.95458	4971.38818	4966.52099	0.06926	ug/L	08/19/10	10:47	
CCV	Cu	4917.34179	4919.27832	4915.40527	0.05569	ug/L	08/19/10	10:47	
CCV	Fe	4967.72167	4987.27490	4948.16796	0.55664	ug/L	08/19/10	10:47	
CCV	2Fe	4.96774	4.98729	4.94818	0.55659	mg/L	08/19/10	10:47	
CCV	K	10280.41796	10295.92480	10264.91210	0.21331	ug/L	08/19/10	10:47	
CCV	Mg	5187.28710	5201.60986	5172.96435	0.39048	ug/L	08/19/10	10:47	
CCV	2Mg	5.18725	5.20156	5.17293	0.39035	mg/L	08/19/10	10:47	
CCV	Mn	5024.49365	5030.20068	5018.78662	0.16063	ug/L	08/19/10	10:47	
CCV	Mo	489.84811	489.32894	490.36727	0.14988	ug/L	08/19/10	10:47	
CCV	Na	7474.98242	7424.53369	7525.43066	0.95444	ug/L	08/19/10	10:47	
CCV	Ni	2497.44873	2497.14208	2497.75512	0.01735	ug/L	08/19/10	10:47	
CCV	Pb	503.42248	502.90234	503.94259	0.14611	ug/L	08/19/10	10:47	
CCV	Se	4901.55322	4913.99365	4889.11279	0.35893	ug/L	08/19/10	10:47	
CCV	Sb	494.02478	492.98260	495.06692	0.29833	ug/L	08/19/10	10:47	
CCV	Sn	5132.47460	5133.66796	5131.28125	0.03288	ug/L	08/19/10	10:47	
CCV	Sr	2451.00585	2452.65917	2449.35229	0.09540	ug/L	08/19/10	10:47	
CCV	Ti	493.11956	493.51388	492.72528	0.11308	ug/L	08/19/10	10:47	
CCV	Tl	4953.62109	4976.53662	4930.70556	0.65421	ug/L	08/19/10	10:47	
CCV	V	5155.45117	5160.96044	5149.94238	0.15112	ug/L	08/19/10	10:47	
CCV	Zn	2540.50341	2542.04101	2538.96582	0.08559	ug/L	08/19/10	10:47	
CCV	2203/1	509.21728	510.19998	508.23458	0.27291	ug/L	08/19/10	10:47	
CCV	2203/2	500.52465	499.25424	501.79510	0.35895	ug/L	08/19/10	10:47	
CCV	1960/1	4993.84863	5007.07958	4980.61718	0.37469	ug/L	08/19/10	10:47	
CCV	1960/2	4855.47460	4867.52050	4843.42919	0.35084	ug/L	08/19/10	10:47	
CCV	Y	936.96386	934.83306	939.09472	0.32161		08/19/10	10:47	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.31757	0.37912	0.25602	27.40888	ug/L	08/19/10	10:52	
CCB	Al	-18.57895	-19.18169	-17.97621	4.58800	ug/L	08/19/10	10:52	
CCB	2Al	-0.01858	-0.01918	-0.01797	4.58801	mg/L	08/19/10	10:52	
CCB	As	1.32318	1.47084	1.17551	15.78234	ug/L	08/19/10	10:52	
CCB	B	13.14416	14.57998	11.70834	15.44837	ug/L	08/19/10	10:52	
CCB	Ba	0.07982	0.12009	0.03954	71.36187	ug/L	08/19/10	10:52	
CCB	Be	0.06718	0.05986	0.07450	15.41087	ug/L	08/19/10	10:52	
CCB	Ca	5.67719	6.71496	4.63941	25.85143	ug/L	08/19/10	10:52	
CCB	Cd	-0.27125	-0.30432	-0.23817	17.24467	ug/L	08/19/10	10:52	
CCB	Co	0.52638	1.22687	-0.17410	188.19728	ug/L	08/19/10	10:52	
CCB	Cr	0.12909	0.48433	-0.22615	389.17169	ug/L	08/19/10	10:52	
CCB	Cu	0.12124	-0.12628	0.36876	288.71990	ug/L	08/19/10	10:52	
CCB	Fe	-5.88634	-0.08809	-11.68460	139.30496	ug/L	08/19/10	10:52	
CCB	2Fe	-0.00588	-0.00008	-0.01168	139.31658	mg/L	08/19/10	10:52	
CCB	K	-1.06704	-6.35290	4.21882	700.56597	ug/L	08/19/10	10:52	
CCB	Mg	2.57912	5.16046	-0.00221	141.54304	ug/L	08/19/10	10:52	
CCB	2Mg	0.00257	0.00515	0.00000	141.43090	mg/L	08/19/10	10:52	
CCB	Mn	0.02156	0.06490	-0.02177	284.15783	ug/L	08/19/10	10:52	
CCB	Mo	0.25094	1.28556	-0.78367	583.06176	ug/L	08/19/10	10:52	
CCB	Na	65.82736	75.51575	56.13897	20.81421	ug/L	08/19/10	10:52	
CCB	Ni	0.03965	-0.07309	0.15241	402.06375	ug/L	08/19/10	10:52	
CCB	Pb	-1.64426	-2.51078	-0.77775	74.52804	ug/L	08/19/10	10:52	
CCB	Se	-2.00394	2.39521	-6.40311	310.45474	ug/L	08/19/10	10:52	
CCB	Sb	-1.59654	3.21923	-6.41231	426.58032	ug/L	08/19/10	10:52	
CCB	Sn	3.15484	1.76778	4.54189	62.17718	ug/L	08/19/10	10:52	
CCB	Sr	0.01937	0.00483	0.03391	106.13916	ug/L	08/19/10	10:52	
CCB	Ti	0.13811	0.15165	0.12457	13.86487	ug/L	08/19/10	10:52	
CCB	Tl	2.95598	6.71355	-0.80159	179.77142	ug/L	08/19/10	10:52	
CCB	V	0.40410	0.94811	-0.13991	190.38508	ug/L	08/19/10	10:52	
CCB	Zn	0.07081	0.07229	0.06933	2.95811	ug/L	08/19/10	10:52	
CCB	2203/1	0.03316	-0.15630	0.22264	807.85620	ug/L	08/19/10	10:52	
CCB	2203/2	-2.48173	-3.68626	-1.27719	68.64024	ug/L	08/19/10	10:52	
CCB	1960/1	-3.77512	-2.68754	-4.86271	40.74238	ug/L	08/19/10	10:52	
CCB	1960/2	-1.11968	4.93278	-7.17215	764.45281	ug/L	08/19/10	10:52	
CCB	Y	934.63586	932.54351	936.72821	0.31659		08/19/10	10:52	


File Utility Help
Protocol HGNORM
Dataset/Plate B082010C/HGNORM
Protocol
Line Info
Cal Curve
Report
Ctl Chart
Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 9.92957e-6
C 6.10128e-3
Rho .999571
Type
Calibrated
Accepted
Accept
Rel. Abs.
511074
Accepted
New
Include
Rep 1
Conc. 5.014
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 .1041 .1041 16627 1 16627
02 .20000 .1728 -.0272 23545 0% 23545
03 .40000 .3800 -.0200 44416 0% 44415
04 1.0000 .9302 -.0698 99827 0% 99826
05 2.0000 2.999 -.0008 308190 0% 308190
06 5.0000 5.014 .0137 511075 0% 511074
Ready
CAP NUM

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  2       13:08:04 20 Aug 10   HG

Hg    .0000   ppb      16627

*** Standard: 2 Rep: 1              Seq:  3       13:11:07 20 Aug 10   HG

Hg    .2000   ppb      23545

*** Standard: 3 Rep: 1              Seq:  4       13:14:02 20 Aug 10   HG

Hg    .4000   ppb      44415

*** Standard: 4 Rep: 1              Seq:  5       13:16:55 20 Aug 10   HG

Hg    1.000   ppb      99826

*** Standard: 5 Rep: 1              Seq:  6       13:20:05 20 Aug 10   HG

Hg    3.000   ppb      308190

*** Standard: 6 Rep: 1              Seq:  7       13:23:18 20 Aug 10   HG

Hg    5.000   ppb      511074

*** Check Standard: 3  Ck3ICV       Seq:  8       13:26:30 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          90.66    2.720   3.000  ppb        .0000 %

*** Check Standard: 4  Ck4ICB       Seq:  9       13:29:22 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -60.07   -.0601   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  10      13:35:08 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          85.26    2.132   2.500  ppb        .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  11      13:38:13 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          87.73    2.193   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  12      13:41:07 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -85.29   -.0853   .1000  ppb        .0000 %

*** Sample ID: 0.20 RL    B082010C   Seq:  13      13:44:08 20 Aug 10   HG

Hg    .1963   ppb       .0000 %   .1963

*** Sample ID: MB 177687  B082010C   Seq:  14      13:46:56 20 Aug 10   HG
                           7471 CE 177687
Hg    .0161   ppb       .0000 %   .0161

*** Sample ID: LCS 177687 B082010C   Seq:  15      13:49:54 20 Aug 10   HG
                           7471 CE 177687
Hg    2.323   ppb       .0000 %   2.323
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60379-6    B082010C   Seq:  16     13:52:45 20 Aug 10   HG
                           7471 CE 177687
Hg    .0963   ppb       .0000 %   .0963

*** Sample ID: 60379-6MS  B082010C   Seq:  17     13:55:34 20 Aug 10   HG
                           7471 CE 177687
Hg    1.068   ppb       .0000 %   1.068

*** Sample ID: 60379-6MSD B082010C   Seq:  18     13:58:32 20 Aug 10   HG
                           7471 CE 177687
Hg    1.055   ppb       .0000 %   1.055

*** Sample ID: 60379-11   B082010C   Seq:  19     14:01:45 20 Aug 10   HG
                           7471 CE 177687
Hg    .3829   ppb       .0000 %   .3829

*** Sample ID: 60379-16   B082010C   Seq:  20     14:04:56 20 Aug 10   HG
                           7471 CE 177687
Hg    .1981   ppb       .0000 %   .1981

*** Sample ID: 60379-21   B082010C   Seq:  21     14:07:47 20 Aug 10   HG
                           7471 CE 177687
Hg    .1805   ppb       .0000 %   .1805

*** Sample ID: 60379-26   B082010C   Seq:  22     14:10:40 20 Aug 10   HG
                           7471 CE 177687
Hg    1.388   ppb       .0000 %   1.388

*** Check Standard: 7  Ck7CCV       Seq:  23     14:13:32 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.7    2.542   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  24     14:16:31 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          10.37    .0104   .1000  ppb        .0000 %

*** Sample ID: 60379-31   B082010C   Seq:  25     14:19:31 20 Aug 10   HG
                           7471 CE 177687
Hg    .1684   ppb       .0000 %   .1684

*** Sample ID: 60379-36   B082010C   Seq:  26     14:22:31 20 Aug 10   HG
                           7471 CE 177687
Hg    .2319   ppb       .0000 %   .2319

*** Sample ID: 60379-41   B082010C   Seq:  27     14:25:30 20 Aug 10   HG
                           7471 CE 177687
Hg    .0383   ppb       .0000 %   .0383

*** Sample ID: 60379-45   B082010C   Seq:  28     14:28:18 20 Aug 10   HG
                           7471 CE 177687
Hg    .1397   ppb       .0000 %   .1397

*** Sample ID: 60489-5    B082010C   Seq:  29     14:31:17 20 Aug 10   HG
                           7471 CE 177687
Hg    .3264   ppb       .0000 %   .3264
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 29422-3    B082010C   Seq:  30     14:34:28 20 Aug 10   HG
                           7471 CE 177687
Hg    .0774   ppb       .0000 %   .0774

*** Sample ID: 29484-3    B082010C   Seq:  31     14:37:18 20 Aug 10   HG
                           7471 CE 177687
Hg    .1039   ppb       .0000 %   .1039

*** Sample ID: 29484-6    B082010C   Seq:  32     14:40:11 20 Aug 10   HG
                           7471 CE 177687
Hg    .2976   ppb       .0000 %   .2976

*** Sample ID: 29484-9    B082010C   Seq:  33     14:43:31 20 Aug 10   HG
                           7471 CE 177687
Hg    .1727   ppb       .0000 %   .1727

*** Sample ID: 29484-12   B082010C   Seq:  34     14:46:21 20 Aug 10   HG
                           7471 CE 177687
Hg    .0656   ppb       .0000 %   .0656

*** Check Standard: 7  Ck7CCV       Seq:  35     14:50:01 20 Aug 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           103.9    2.598   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  36     14:52:52 20 Aug 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           23.13    .0231   .1000  ppb        .0000 %

*** Sample ID: 29484-15   B082010C   Seq:  37     14:55:53 20 Aug 10   HG
                           7471 CE 177687
Hg    .6265   ppb       .0000 %   .6265

*** Sample ID: 29484-18   B082010C   Seq:  38     14:58:52 20 Aug 10   HG
                           7471 CE 177687
Hg    .5631   ppb       .0000 %   .5631

*** Sample ID: 29484-21   B082010C   Seq:  39     15:01:46 20 Aug 10   HG
                           7471 CE 177687
Hg    .1208   ppb       .0000 %   .1208

*** Sample ID: 29484-24   B082010C   Seq:  40     15:04:45 20 Aug 10   HG
                           7471 CE 177687
Hg    .2324   ppb       .0000 %   .2324

*** Sample ID: MB 177671  B082010C   Seq:  41     15:07:45 20 Aug 10   HG
                           7471 CE 177671
Hg    .1867   ppb       .0000 %   .1867

*** Sample ID: LCS 177671 B082010C   Seq:  42     15:10:36 20 Aug 10   HG
                           7471 CE 177671
Hg    2.865   ppb       .0000 %   2.865

*** Sample ID: 60144-1    B082010C   Seq:  43     15:13:26 20 Aug 10   HG
                           7471 CE 177671
Hg    .2787   ppb       .0000 %   .2787
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60144-1MS  B082010C   Seq:  44     15:16:18 20 Aug 10   HG
                           7471 CE 177671
Hg    1.191   ppb       .0000 %   1.191

*** Sample ID: 60144-1MSD B082010C   Seq:  45     15:19:07 20 Aug 10   HG
                           7471 CE 177671
Hg    1.160   ppb       .0000 %   1.160

*** Sample ID: 60144-2    B082010C   Seq:  46     15:21:56 20 Aug 10   HG
                           7471 CE 177671
Hg    .2494   ppb       .0000 %   .2494

*** Check Standard: 7  Ck7CCV       Seq:  47     15:24:52 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          104.0    2.599   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  48     15:27:45 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -14.65   -.0147   .1000  ppb        .0000 %

*** Sample ID: 60144-3    B082010C   Seq:  49     15:30:45 20 Aug 10   HG
                           7471 CE 177671
Hg    .3568   ppb       .0000 %   .3568

*** Sample ID: 60144-4    B082010C   Seq:  50     15:34:20 20 Aug 10   HG
                           7471 CE 177671
Hg    .1665   ppb       .0000 %   .1665

*** Sample ID: 60144-5    B082010C   Seq:  51     15:37:14 20 Aug 10   HG
                           7471 CE 177671
Hg    .2556   ppb       .0000 %   .2556

*** Sample ID: 60144-6    B082010C   Seq:  52     15:40:06 20 Aug 10   HG
                           7471 CE 177671
Hg    .1245   ppb       .0000 %   .1245

*** Sample ID: 60144-7    B082010C   Seq:  53     15:42:55 20 Aug 10   HG
                           7471 CE 177671
Hg    .2251   ppb       .0000 %   .2251

*** Sample ID: 60273-1    B082010C   Seq:  54     15:45:47 20 Aug 10   HG
                           7471 CE 177671
Hg    .0915   ppb       .0000 %   .0915

*** Sample ID: 60273-2    B082010C   Seq:  55     15:48:39 20 Aug 10   HG
                           7471 CE 177671
Hg    .0658   ppb       .0000 %   .0658

*** Sample ID: 60273-3    B082010C   Seq:  56     15:51:49 20 Aug 10   HG
                           7471 CE 177671
Hg    .1254   ppb       .0000 %   .1254
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60273-4                Seq:  57     15:55:20 20 Aug 10   HG
                            7471 CE 177671
Hg    .0804   ppb       .0000 %   .0804

*** Sample ID: 60273-5                Seq:  58     15:58:13 20 Aug 10   HG
                            7471 CE 177671
Hg    .1218   ppb       .0000 %   .1218

*** Check Standard: 7  Ck7CCV        Seq:  59     16:01:28 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          106.1    2.653   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  60     16:04:17 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -25.29   -.0253   .1000  ppb        .0000 %

*** Sample ID: 60273-6                Seq:  61     16:07:31 20 Aug 10   HG
                            7471 CE 177671
Hg    .0869   ppb       .0000 %   .0869

*** Sample ID: 60273-7                Seq:  62     16:10:32 20 Aug 10   HG
                            7471 CE 177671
Hg    .1742   ppb       .0000 %   .1742

*** Sample ID: 60300-7                Seq:  63     16:13:24 20 Aug 10   HG
                            7471 CE 177671
Hg   -.0007   ppb       .0000 %  -.0007

*** Sample ID: 60303-1                Seq:  64     16:16:39 20 Aug 10   HG
                            7471 CE 177671
Hg    10.55   ppb       .0000 %   10.55

*** Sample ID: 60470-1                Seq:  65     16:22:36 20 Aug 10   HG
                            7471 CE 177671
Hg    .6318   ppb       .0000 %   .6318

*** Sample ID: 60472-1                Seq:  66     16:25:37 20 Aug 10   HG
                            7471 CE 177671
Hg    3.958   ppb       .0000 %   3.958

*** Check Standard: 7  Ck7CCV        Seq:  67     16:30:22 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          98.45    2.461   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  68     16:35:08 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -4502.   -4.502   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV        Seq:  69     16:49:47 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          81.70    2.043   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  70     16:52:49 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          174.0    .1740   .1000  ppb        .0000 %
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 7  Ck7CCV       Seq:  71      17:00:28 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          84.10    2.103   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  72      17:03:38 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          144.0    .1440   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  73      17:13:22 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          82.86    2.072   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  74      17:16:26 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      H   222.5    .2225   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  75      17:21:47 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          97.33    2.433   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  76      17:24:37 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      H   205.5    .2055   .1000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  77      17:28:15 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          143.0    .1430   .1000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  78      17:31:05 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          123.4    .1234   .1000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  79      17:36:42 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          190.0    .1900   .1000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  80      17:52:40 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          167.1    .1671   .1000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  81      18:01:24 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          150.1    .1501   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  82      18:04:14 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          94.73    2.368   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  83      18:07:04 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -22.42   -.0224   .1000  ppb        .0000 %

*** Sample ID: MB 177432            Seq:  84      18:10:03 20 Aug 10   HG
                            7470 CE 177432
Hg    .0131   ppb       .0000 %   .0131
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: LCS 177432            Seq:  85     18:13:25 20 Aug 10   HG
                            7470 CE 177432
Hg    2.388   ppb       .0000 %   2.388

*** Sample ID: 29422-2               Seq:  86     18:16:58 20 Aug 10   HG
                            7470 CE 177432
Hg    .0507   ppb       .0000 %   .0507

*** Sample ID: 29422-4               Seq:  87     18:20:11 20 Aug 10   HG
                            7470 CE 177432
Hg    .0556   ppb       .0000 %   .0556

*** Sample ID: 29422-6               Seq:  88     18:23:00 20 Aug 10   HG
                            7470 CE 177432
Hg   -.0050   ppb       .0000 %  -.0050

*** Sample ID: 29422-8               Seq:  89     18:25:49 20 Aug 10   HG
                            7470 CE 177432
Hg   -.0128   ppb       .0000 %  -.0128

*** Sample ID: 29422-9               Seq:  90     18:28:44 20 Aug 10   HG
                            7470 CE 177432
Hg    .0178   ppb       .0000 %   .0178

*** Sample ID: 29422-11              Seq:  91     18:31:38 20 Aug 10   HG
                            7470 CE 177432
Hg    .0200   ppb       .0000 %   .0200

*** Sample ID: 29422-12              Seq:  92     18:34:32 20 Aug 10   HG
                            7470 CE 177432
Hg    .0720   ppb       .0000 %   .0720

*** Sample ID: 29422-14              Seq:  93     18:37:35 20 Aug 10   HG
                            7470 CE 177432
Hg    .1956   ppb       .0000 %   .1956

*** Check Standard: 7  Ck7CCV        Seq:  94     18:40:26 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          95.92    2.398   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  95     18:43:35 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          54.97    .0550   .1000  ppb        .0000 %

*** Sample ID: 29422-16              Seq:  96     18:46:55 20 Aug 10   HG
                            7470 CE 177432
Hg    .0475   ppb       .0000 %   .0475

*** Sample ID: 29422-17              Seq:  97     18:49:59 20 Aug 10   HG
                            7470 CE 177432
Hg    .0131   ppb       .0000 %   .0131

*** Sample ID: 60291-1               Seq:  98     18:52:52 20 Aug 10   HG
                            7470 CE 177432
Hg   -.0058   ppb       .0000 %  -.0058
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60291-2                Seq:  99     18:56:01 20 Aug 10   HG
                            7470 CE 177432
Hg    .0702   ppb       .0000 %   .0702

*** Sample ID: 60293-1                Seq:  100    18:59:26 20 Aug 10   HG
                            7470 CE 177432
Hg    .0272   ppb       .0000 %   .0272

*** Sample ID: 60293-2                Seq:  101    19:02:47 20 Aug 10   HG
                            7470 CE 177432
Hg    .0295   ppb       .0000 %   .0295

*** Sample ID: 60293-3                Seq:  102    19:05:42 20 Aug 10   HG
                            7470 CE 177432
Hg    .3241   ppb       .0000 %   .3241

*** Sample ID: 60293-4                Seq:  103    19:08:41 20 Aug 10   HG
                            7470 CE 177432
Hg   -.0022   ppb       .0000 %  -.0022

*** Sample ID: 60293-5                Seq:  104    19:11:30 20 Aug 10   HG
                            7470 CE 177432
Hg    .0704   ppb       .0000 %   .0704

*** Sample ID: 60293-6                Seq:  105    19:14:20 20 Aug 10   HG
                            7470 CE 177432
Hg    .3774   ppb       .0000 %   .3774

*** Check Standard: 7  Ck7CCV         Seq:  106    19:17:13 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          96.63    2.416   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  107    19:20:04 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          95.28    .0953   .1000  ppb        .0000 %

*** Sample ID: 60398-2                Seq:  108    19:23:16 20 Aug 10   HG
                            7470 CE 177432
Hg    .3452   ppb       .0000 %   .3452

*** Sample ID: 60398-2MS              Seq:  109    19:26:21 20 Aug 10   HG
                            7470 CE 177432
Hg    .9882   ppb       .0000 %   .9882

*** Sample ID: 60398-2MSD             Seq:  110    19:29:23 20 Aug 10   HG
                            7470 CE 177432
Hg    .8004   ppb       .0000 %   .8004

*** Sample ID: 59244-9                Seq:  111    19:32:13 20 Aug 10   HG
                            7470 CE 177432
Hg    .1728   ppb       .0000 %   .1728

*** Sample ID: 59244-9                Seq:  112    19:35:17 20 Aug 10   HG
                            7470 CE 177432
Hg    .1383   ppb       .0000 %   .1383
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 59244-10              Seq:  113    19:38:10 20 Aug 10   HG
                            7470 CE 177432
Hg    .0912   ppb       .0000 %   .0912

*** Sample ID: 59244-10              Seq:  114    19:41:22 20 Aug 10   HG
                            7470 CE 177432
Hg    .0348   ppb       .0000 %   .0348

*** Sample ID: MB 177593             Seq:  115    19:44:35 20 Aug 10   HG
                            7471 CE 177593
Hg    .1641   ppb       .0000 %   .1641

*** Sample ID: LCS 177593            Seq:  116    19:47:24 20 Aug 10   HG
                            7471 CE 177593
Hg    2.444   ppb       .0000 %   2.444

*** Sample ID: 59038-97              Seq:  117    19:50:25 20 Aug 10   HG
                            7471 CE 177593
Hg    2.471   ppb       .0000 %   2.471

*** Check Standard: 7  Ck7CCV        Seq:  118    19:53:38 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          97.79    2.445   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  119    19:56:42 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          25.72    .0257   .1000  ppb        .0000 %

*** Sample ID: 59038-98              Seq:  120    19:59:51 20 Aug 10   HG
                            7471 CE 177593
Hg    2.428   ppb       .0000 %   2.428

*** Sample ID: 59038-99              Seq:  121    20:02:41 20 Aug 10   HG
                            7471 CE 177593
Hg    2.523   ppb       .0000 %   2.523

*** Sample ID: 59038-100             Seq:  122    20:05:31 20 Aug 10   HG
                            7471 CE 177593
Hg    2.427   ppb       .0000 %   2.427

*** Sample ID: 59245-7               Seq:  123    20:08:42 20 Aug 10   HG
                            7471 CE 177593
Hg    .3024   ppb       .0000 %   .3024

*** Sample ID: 59245-8               Seq:  124    20:12:12 20 Aug 10   HG
                            7471 CE 177593
Hg    .2051   ppb       .0000 %   .2051

*** Sample ID: 59245-7               Seq:  125    20:15:02 20 Aug 10   HG
                            7471 CE 177593
Hg    .2909   ppb       .0000 %   .2909

*** Sample ID: 59245-8               Seq:  126    20:17:56 20 Aug 10   HG
                            7471 CE 177593
Hg    .2775   ppb       .0000 %   .2775
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 29422-5                Seq:  127    20:20:59 20 Aug 10   HG
                            7471 CE 177593
Hg    .2670   ppb       .0000 %   .2670

*** Sample ID: 29422-7                Seq:  128    20:23:52 20 Aug 10   HG
                            7471 CE 177593
Hg    .2045   ppb       .0000 %   .2045

*** Sample ID: 29422-10               Seq:  129    20:27:02 20 Aug 10   HG
                            7471 CE 177593
Hg    .4094   ppb       .0000 %   .4094

*** Check Standard: 7  Ck7CCV         Seq:  130    20:29:54 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          96.56    2.414   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  131    20:32:45 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          90.36    .0904   .1000  ppb        .0000 %

*** Sample ID: 29422-13               Seq:  132    20:35:58 20 Aug 10   HG
                            7471 CE 177593
Hg    4.268   ppb       .0000 %   4.268

*** Sample ID: 29422-15               Seq:  133    20:38:48 20 Aug 10   HG
                            7471 CE 177593
Hg    .2256   ppb       .0000 %   .2256

*** Sample ID: 29422-18               Seq:  134    20:41:52 20 Aug 10   HG
                            7471 CE 177593
Hg    .3801   ppb       .0000 %   .3801

*** Sample ID: 29422-18MS             Seq:  135    20:45:02 20 Aug 10   HG
                            7471 CE 177593
Hg    1.500   ppb       .0000 %   1.500

*** Sample ID: 29422-18SD             Seq:  136    20:47:52 20 Aug 10   HG
                            7471 CE 177593
Hg    1.383   ppb       .0000 %   1.383

*** Sample ID: MB 177454              Seq:  137    20:51:11 20 Aug 10   HG
                            7470 CE 177454
Hg    .0140   ppb       .0000 %   .0140

*** Sample ID: LCS 177454             Seq:  138    20:54:01 20 Aug 10   HG
                            7470 CE 177454
Hg    2.437   ppb       .0000 %   2.437

*** Sample ID: 60321-1                Seq:  139    20:57:03 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0038   ppb       .0000 %  -.0038

*** Sample ID: 60321-2                Seq:  140    20:59:55 20 Aug 10   HG
                            7470 CE 177454
Hg    .0079   ppb       .0000 %   .0079
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60340-1                Seq:  141    21:03:00 20 Aug 10   HG
                            7470 CE 177454
Hg    .0671   ppb       .0000 %   .0671

*** Check Standard: 7  Ck7CCV        Seq:  142    21:06:01 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          97.21    2.430   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  143    21:08:50 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          96.28    .0963   .1000  ppb        .0000 %

*** Sample ID: 60340-1MS             Seq:  144    21:11:40 20 Aug 10   HG
                            7470 CE 177454
Hg    1.039   ppb       .0000 %   1.039

*** Sample ID: 60340-1MSD            Seq:  145    21:14:33 20 Aug 10   HG
                            7470 CE 177454
Hg    .9395   ppb       .0000 %   .9395

*** Sample ID: 60340-2               Seq:  146    21:17:22 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0065   ppb       .0000 %  -.0065

*** Sample ID: 60340-3               Seq:  147    21:20:28 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0092   ppb       .0000 %  -.0092

*** Sample ID: 60340-4               Seq:  148    21:23:21 20 Aug 10   HG
                            7470 CE 177454
Hg    .0058   ppb       .0000 %   .0058

*** Sample ID: 60340-5               Seq:  149    21:26:37 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0048   ppb       .0000 %  -.0048

*** Sample ID: 60340-6               Seq:  150    21:29:33 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0056   ppb       .0000 %  -.0056

*** Sample ID: 60340-7               Seq:  151    21:32:35 20 Aug 10   HG
                            7470 CE 177454
Hg    .0467   ppb       .0000 %   .0467

*** Sample ID: 60382-1               Seq:  152    21:35:26 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0120   ppb       .0000 %  -.0120

*** Sample ID: 60382-2               Seq:  153    21:38:48 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0048   ppb       .0000 %  -.0048

*** Check Standard: 7  Ck7CCV        Seq:  154    21:42:03 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.3    2.509   2.500  ppb        .0000 %
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 6  Ck6CCB       Seq:  155     21:44:54 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          107.4    .1074   .1000  ppb        .0000 %

*** Sample ID: 60382-2MS            Seq:  156    21:47:43 20 Aug 10   HG
                            7470 CE 177454
Hg    .9841   ppb       .0000 %   .9841

*** Sample ID: 60382-2MSD           Seq:  157    21:50:44 20 Aug 10   HG
                            7470 CE 177454
Hg    .9277   ppb       .0000 %   .9277

*** Sample ID: 60415-1              Seq:  158    21:54:04 20 Aug 10   HG
                            7470 CE 177454
Hg    .0143   ppb       .0000 %   .0143

*** Sample ID: 60415-2              Seq:  159    21:57:11 20 Aug 10   HG
                            7470 CE 177454
Hg    .0393   ppb       .0000 %   .0393

*** Sample ID: 60415-3              Seq:  160    22:00:03 20 Aug 10   HG
                            7470 CE 177454
Hg    .0279   ppb       .0000 %   .0279

*** Sample ID: 60415-4              Seq:  161    22:02:58 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0017   ppb       .0000 %  -.0017

*** Sample ID: 60415-6              Seq:  162    22:05:49 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0013   ppb       .0000 %  -.0013

*** Sample ID: 60415-7              Seq:  163    22:09:20 20 Aug 10   HG
                            7470 CE 177454
Hg    .0659   ppb       .0000 %   .0659

*** Sample ID: 60415-8              Seq:  164    22:12:13 20 Aug 10   HG
                            7470 CE 177454
Hg    .0124   ppb       .0000 %   .0124

*** Sample ID: 60415-9              Seq:  165    22:15:08 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0172   ppb       .0000 %  -.0172

*** Check Standard: 7  Ck7CCV       Seq:  166     22:18:19 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.19    2.480   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  167     22:21:35 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          119.2    .1192   .1000  ppb        .0000 %

*** Sample ID: 60415-11             Seq:  168    22:24:26 20 Aug 10   HG
                            7470 CE 177454
Hg    .0270   ppb       .0000 %   .0270
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: MB 177442              Seq:  169    22:27:17 20 Aug 10   HG
                            7470 CE 177442
Hg    .0367   ppb       .0000 %   .0367

*** Sample ID: LCS 177442             Seq:  170    22:30:08 20 Aug 10   HG
                            7470 CE 177442
Hg    2.347   ppb       .0000 %   2.347

*** Sample ID: 36693-1                Seq:  171    22:33:09 20 Aug 10   HG
                            7470 CE 177442
Hg    .0366   ppb       .0000 %   .0366

*** Sample ID: 36693-2                Seq:  172    22:36:33 20 Aug 10   HG
                            7470 CE 177442
Hg    .0731   ppb       .0000 %   .0731

*** Sample ID: 36693-3                Seq:  173    22:39:25 20 Aug 10   HG
                            7470 CE 177442
Hg    .0745   ppb       .0000 %   .0745

*** Sample ID: 36693-4                Seq:  174    22:42:59 20 Aug 10   HG
                            7470 CE 177442
Hg    .0153   ppb       .0000 %   .0153

*** Sample ID: 36693-5                Seq:  175    22:46:35 20 Aug 10   HG
                            7470 CE 177442
Hg    .4185   ppb       .0000 %   .4185

*** Sample ID: 36693-6                Seq:  176    22:49:36 20 Aug 10   HG
                            7470 CE 177442
Hg   -.0085   ppb       .0000 %  -.0085

*** Sample ID: 60338-1                Seq:  177    22:52:59 20 Aug 10   HG
                            7470 CE 177442
Hg    .2082   ppb       .0000 %   .2082

*** Check Standard: 7  Ck7CCV         Seq:  178    22:55:55 20 Aug 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           95.81    2.395   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  179    22:58:46 20 Aug 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           99.36    .0994   .1000  ppb        .0000 %

*** Sample ID: 60338-2                Seq:  180    23:01:41 20 Aug 10   HG
                            7470 CE 177442
Hg    .0427   ppb       .0000 %   .0427

*** Sample ID: 60338-3                Seq:  181    23:04:52 20 Aug 10   HG
                            7470 CE 177442
Hg    .0047   ppb       .0000 %   .0047

*** Sample ID: 60338-4                Seq:  182    23:07:44 20 Aug 10   HG
                            7470 CE 177442
Hg    .0438   ppb       .0000 %   .0438
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60338-5                Seq:  183    23:10:47 20 Aug 10   HG
                            7470 CE 177442
Hg    .0282   ppb       .0000 %   .0282

*** Sample ID: 60338-6                Seq:  184    23:13:43 20 Aug 10   HG
                            7470 CE 177442
Hg    .0633   ppb       .0000 %   .0633

*** Sample ID: 60338-7                Seq:  185    23:16:35 20 Aug 10   HG
                            7470 CE 177442
Hg    .4312   ppb       .0000 %   .4312

*** Sample ID: 60338-7MS              Seq:  186    23:19:58 20 Aug 10   HG
                            7470 CE 177442
Hg    1.419   ppb       .0000 %   1.419

*** Sample ID: 60338-7MSD             Seq:  187    23:23:01 20 Aug 10   HG
                            7470 CE 177442
Hg    1.759   ppb       .0000 %   1.759

*** Check Standard: 7  Ck7CCV        Seq:  188     23:26:05 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.5    2.587   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  189     23:29:25 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          135.4    .1354   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV        Seq:  190     09:10:14 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          86.90    2.172   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  191     09:14:05 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -47.39   -.0474   .1000  ppb        .0000 %

*** Sample ID: 60340-1                Seq:  192    09:16:54 21 Aug 10   HG
                            7470 CE 177454
Hg    .1097   ppb       .0000 %   .1097

*** Sample ID: 60340-1MS              Seq:  193    09:19:45 21 Aug 10   HG
                            7470 CE 177454
Hg    .9598   ppb       .0000 %   .9598

*** Sample ID: 60340-1MSD             Seq:  194    09:22:35 21 Aug 10   HG
                            7470 CE 177454
Hg    .8647   ppb       .0000 %   .8647

*** Sample ID: 60340-2                Seq:  195    09:25:47 21 Aug 10   HG
                            7470 CE 177454
Hg   -.1070   ppb       .0000 %  -.1070

*** Sample ID: 60340-3                Seq:  196    09:28:36 21 Aug 10   HG
                            7470 CE 177454
Hg    .0657   ppb       .0000 %   .0657
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60340-4                Seq:  197    09:31:37 21 Aug 10   HG
                            7470 CE 177454
Hg    .0388   ppb       .0000 %   .0388

*** Sample ID: 60340-5                Seq:  198    09:34:26 21 Aug 10   HG
                            7470 CE 177454
Hg   -.0120   ppb       .0000 %  -.0120

*** Sample ID: 60340-6                Seq:  199    09:37:14 21 Aug 10   HG
                            7470 CE 177454
Hg    .0545   ppb       .0000 %   .0545

*** Sample ID: 60340-7                Seq:  200    09:40:03 21 Aug 10   HG
                            7470 CE 177454
Hg    .1117   ppb       .0000 %   .1117

*** Sample ID: 60382-1                Seq:  201    09:43:03 21 Aug 10   HG
                            7470 CE 177454
Hg    .0273   ppb       .0000 %   .0273

*** Check Standard: 7  Ck7CCV         Seq:  202    09:45:56 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          91.63    2.291   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  203    09:48:48 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -30.04   -.0300   .1000  ppb        .0000 %

*** Sample ID: 60382-2                Seq:  204    09:51:38 21 Aug 10   HG
                            7470 CE 177454
Hg    .0137   ppb       .0000 %   .0137

*** Sample ID: 60382-2MS              Seq:  205    09:54:37 21 Aug 10   HG
                            7470 CE 177454
Hg    .9244   ppb       .0000 %   .9244

*** Sample ID: 60382-2MSD             Seq:  206    09:57:27 21 Aug 10   HG
                            7470 CE 177454
Hg    .7869   ppb       .0000 %   .7869

*** Sample ID: 60415-1                Seq:  207    10:00:42 21 Aug 10   HG
                            7470 CE 177454
Hg    .0715   ppb       .0000 %   .0715
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60415-2                Seq:  208    10:03:35 21 Aug 10   HG
                            7470 CE 177454
Hg    .0120   ppb       .0000 %   .0120

*** Sample ID: 60415-3                Seq:  209    10:06:36 21 Aug 10   HG
                            7470 CE 177454
Hg    .0594   ppb       .0000 %   .0594

*** Sample ID: 60415-4                Seq:  210    10:09:27 21 Aug 10   HG
                            7470 CE 177454
Hg    .0758   ppb       .0000 %   .0758

*** Sample ID: 60415-6                Seq:  211    10:12:17 21 Aug 10   HG
                            7470 CE 177454
Hg    .0500   ppb       .0000 %   .0500

*** Sample ID: 60415-7                Seq:  212    10:15:17 21 Aug 10   HG
                            7470 CE 177454
Hg    .0366   ppb       .0000 %   .0366

*** Sample ID: 60415-8                Seq:  213    10:18:47 21 Aug 10   HG
                            7470 CE 177454
Hg    .0273   ppb       .0000 %   .0273

*** Check Standard: 7  Ck7CCV         Seq:  214    10:22:11 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          95.86    2.397   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  215    10:25:01 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -41.65   -.0417   .1000  ppb        .0000 %

*** Sample ID: 60415-9                Seq:  216    10:28:50 21 Aug 10   HG
                            7470 CE 177454
Hg    .0047   ppb       .0000 %   .0047

*** Sample ID: 60415-11               Seq:  217    10:31:40 21 Aug 10   HG
                            7470 CE 177454
Hg   -.0009   ppb       .0000 %  -.0009

*** Sample ID: MB 177442              Seq:  218    10:34:35 21 Aug 10   HG
                            7470 CE 177442
Hg    .0667   ppb       .0000 %   .0667

*** Sample ID: LCS 177442             Seq:  219    10:37:26 21 Aug 10   HG
                            7470 CE 177442
Hg    2.317   ppb       .0000 %   2.317

*** Sample ID: 36693-1                Seq:  220    10:40:18 21 Aug 10   HG
                            7470 CE 177442
Hg    .0393   ppb       .0000 %   .0393

*** Sample ID: 36693-2                Seq:  221    10:43:09 21 Aug 10   HG
                            7470 CE 177442
Hg    .0646   ppb       .0000 %   .0646
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 36693-3                Seq:  222    10:46:14 21 Aug 10   HG
                            7470 CE 177442
Hg    .1210   ppb       .0000 %   .1210

*** Sample ID: 36693-4                Seq:  223    10:49:35 21 Aug 10   HG
                            7470 CE 177442
Hg    .0792   ppb       .0000 %   .0792

*** Sample ID: 36693-5                Seq:  224    10:52:28 21 Aug 10   HG
                            7470 CE 177442
Hg    .4411   ppb       .0000 %   .4411

*** Sample ID: 36693-6                Seq:  225    10:55:28 21 Aug 10   HG
                            7470 CE 177442
Hg    .0065   ppb       .0000 %   .0065

*** Check Standard: 7  Ck7CCV         Seq:  226    10:58:48 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          94.40    2.360   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  227    11:01:48 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -58.47   -.0585   .1000  ppb        .0000 %

*** Sample ID: 60338-1                Seq:  228    11:04:41 21 Aug 10   HG
                            7470 CE 177442
Hg    .2221   ppb       .0000 %   .2221

*** Sample ID: 60338-2                Seq:  229    11:08:20 21 Aug 10   HG
                            7470 CE 177442
Hg    .0551   ppb       .0000 %   .0551

*** Sample ID: 60338-3                Seq:  230    11:11:10 21 Aug 10   HG
                            7470 CE 177442
Hg    .0296   ppb       .0000 %   .0296

*** Sample ID: 60338-4                Seq:  231    11:14:00 21 Aug 10   HG
                            7470 CE 177442
Hg    .0536   ppb       .0000 %   .0536

*** Sample ID: 60338-5                Seq:  232    11:16:50 21 Aug 10   HG
                            7470 CE 177442
Hg    .0864   ppb       .0000 %   .0864

*** Sample ID: 60338-6                Seq:  233    11:19:44 21 Aug 10   HG
                            7470 CE 177442
Hg    .0365   ppb       .0000 %   .0365

*** Sample ID: 60338-7                Seq:  234    11:23:08 21 Aug 10   HG
                            7470 CE 177442
Hg    .4273   ppb       .0000 %   .4273

*** Sample ID: 60338-7MS              Seq:  235    11:26:40 21 Aug 10   HG
                            7470 CE 177442
Hg    1.429   ppb       .0000 %   1.429
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: MB 177593              Seq:  250    12:17:06 21 Aug 10   HG
                            7471 CE 177593
Hg    .1485   ppb        .0000 %   .1485

*** Sample ID: 60473-6                Seq:  251    12:19:55 21 Aug 10   HG
                            7471 CE 177671
Hg    .0385   ppb        .0000 %   .0385

*** Sample ID: 60473-7                Seq:  252    12:22:48 21 Aug 10   HG
                            7471 CE 177671
Hg    .0585   ppb        .0000 %   .0585

*** Sample ID: 60300-7                Seq:  253    12:25:39 21 Aug 10   HG
                            7471 CE 177671
Hg   -.2857   ppb        .0000 %  -.2857

*** Sample ID: 60303-1X10             Seq:  254    12:28:34 21 Aug 10   HG
                            7471 CE 177671X10
Hg    1.405   ppb        .0000 %   1.405

*** Sample ID: 60470-1                Seq:  255    12:31:22 21 Aug 10   HG
                            7471 CE 177671
Hg   -.0083   ppb        .0000 %  -.0083

*** Sample ID: 60472-1                Seq:  256    12:34:31 21 Aug 10   HG
                            7471 CE 177671
Hg   -.4983   ppb        .0000 %  -.4983

*** Sample ID: LB 177109              Seq:  257    12:37:20 21 Aug 10   HG
                            7470_L CE 177467
Hg   -1.364   ppb        .0000 %  -1.364

*** Sample ID: LB 177205              Seq:  258    12:40:19 21 Aug 10   HG
                            7470_L CE 177467
Hg    .2401   ppb        .0000 %   .2401

*** Check Standard: 7  Ck7CCV         Seq:  259    12:43:11 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.4    2.509   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  260    12:46:52 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          115.2    .1152   .1000  ppb        .0000 %

*** Sample ID: LCS 177467             Seq:  261    12:49:43 21 Aug 10   HG
                            7470_L CE 177467
Hg    1.616   ppb        .0000 %   1.616

*** Sample ID: 60235-1                Seq:  262    12:52:53 21 Aug 10   HG
                            7470_L CE 177467
Hg    1.396   ppb        .0000 %   1.396

*** Sample ID: 60235-2                Seq:  263    12:55:53 21 Aug 10   HG
                            7470_L CE 177467
Hg    .7131   ppb        .0000 %   .7131
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60473-6                Seq:  278    13:54:00 21 Aug 10   HG
                            7471 CE 177671
Hg    .0881   ppb       .0000 %   .0881

*** Sample ID: 60473-7                Seq:  279    13:57:19 21 Aug 10   HG
                            7471 CE 177671
Hg    .1623   ppb       .0000 %   .1623

*** Sample ID: 60300-7                Seq:  280    14:00:19 21 Aug 10   HG
                            7471 CE 177671
Hg   -.0044   ppb       .0000 %  -.0044

*** Sample ID: 60303-1X5              Seq:  281    14:03:10 21 Aug 10   HG
                            7471 CE 177671X5
Hg    1.529   ppb       .0000 %   1.529

*** Sample ID: 60470-1                Seq:  282    14:06:08 21 Aug 10   HG
                            7471 CE 177671
Hg    .2482   ppb       .0000 %   .2482

*** Sample ID: 60472-1                Seq:  283    14:09:29 21 Aug 10   HG
                            7471 CE 177671
Hg    .3321   ppb       .0000 %   .3321

*** Check Standard: 7  Ck7CCV        Seq:  284    14:12:42 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.4    2.534   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  285    14:15:34 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          46.70    .0467   .1000  ppb        .0000 %

*** Sample ID: LB 177109              Seq:  286    14:18:28 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0473   ppb       .0000 %  -.0473

*** Sample ID: LB 177205              Seq:  287    14:21:27 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0161   ppb       .0000 %  -.0161

*** Sample ID: LCS 177467             Seq:  288    14:25:03 21 Aug 10   HG
                            7470_L CE 177467
Hg    1.698   ppb       .0000 %   1.698

*** Sample ID: 60235-1                Seq:  289    14:27:55 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0070   ppb       .0000 %  -.0070

*** Sample ID: 60235-2                Seq:  290    14:30:58 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0071   ppb       .0000 %  -.0071

*** Sample ID: 60235-2MS              Seq:  291    14:34:17 21 Aug 10   HG
                            7470_L CE 177467
Hg    .8145   ppb       .0000 %   .8145
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60286-4                Seq:  306    15:19:26 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0147   ppb        .0000 %  -.0147

*** Sample ID: 60184-9                Seq:  307    15:22:27 21 Aug 10   HG
                            7470_L CE 177467
Hg    .0352   ppb        .0000 %   .0352

*** Check Standard: 7  Ck7CCV        Seq:  308     15:25:27 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.3    2.531   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  309     15:28:17 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          67.39    .0674   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV        Seq:  310     15:43:52 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          98.53    2.463   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  311     15:47:04 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          119.5    .1195   .1000  ppb        .0000 %

*** Sample ID: LCS 177467             Seq:  312    15:50:34 21 Aug 10   HG
                            7470_L CE 177467
Hg    1.946   ppb        .0000 %   1.946

*** Check Standard: 7  Ck7CCV        Seq:  313     15:54:05 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.4    2.510   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  314     15:56:56 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.7    .1007   .1000  ppb        .0000 %
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60235-2MSD            Seq:  292    14:37:32 21 Aug 10   HG
                            7470_L CE 177467
Hg    .7796   ppb       .0000 %   .7796

*** Sample ID: 60259-1               Seq:  293    14:40:56 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0476   ppb       .0000 %  -.0476

*** Sample ID: 60259-2               Seq:  294    14:43:55 21 Aug 10   HG
                            7470_L CE 177467
Hg    .0148   ppb       .0000 %   .0148

*** Sample ID: 60259-3               Seq:  295    14:46:50 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0394   ppb       .0000 %  -.0394

*** Check Standard: 7  Ck7CCV       Seq:  296    14:49:53 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          104.5    2.613   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  297    14:52:55 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          91.72    .0917   .1000  ppb        .0000 %

*** Sample ID: 60259-4               Seq:  298    14:55:47 21 Aug 10   HG
                            7470_L CE 177467
Hg    .0451   ppb       .0000 %   .0451

*** Sample ID: 60259-5               Seq:  299    14:58:40 21 Aug 10   HG
                            7470_L CE 177467
Hg    .0026   ppb       .0000 %   .0026

*** Sample ID: 60259-6               Seq:  300    15:01:34 21 Aug 10   HG
                            7470_L CE 177467
Hg    .0080   ppb       .0000 %   .0080

*** Sample ID: 60259-7               Seq:  301    15:04:54 21 Aug 10   HG
                            7470_L CE 177467
Hg    .0211   ppb       .0000 %   .0211

*** Sample ID: 60259-8               Seq:  302    15:07:43 21 Aug 10   HG
                            7470_L CE 177467
Hg    .0122   ppb       .0000 %   .0122

*** Sample ID: 60263-1               Seq:  303    15:10:32 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0464   ppb       .0000 %  -.0464

*** Sample ID: 60286-1               Seq:  304    15:13:31 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0277   ppb       .0000 %  -.0277

*** Sample ID: 60286-2               Seq:  305    15:16:35 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0108   ppb       .0000 %  -.0108
```

Metals Worksheet

Batch Number: 680-177400
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Aug 17 2010 10:21AM
Batch End: Aug 17 2010 4:40PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	P_Spike1_00051	P_SPIKEII_00023	P_TEFLONCH_00005
680-60283-A-1			T	1.03 g	100 mL			
680-60283-A-2			T	1.04 g	100 mL			
680-60283-A-3			T	1.03 g	100 mL			
680-60283-A-4			T	1.01 g	100 mL			
680-60283-A-5			T	1.10 g	100 mL			
680-60283-A-6			T	1.07 g	100 mL			
680-60283-A-7			T	1.05 g	100 mL			
680-60283-A-8			T	1.11 g	100 mL			
680-60283-A-9			T	1.02 g	100 mL			
680-60283-A-10			T	1.02 g	100 mL			
680-60273-A-1			T	1.09 g	100 mL			
680-60273-A-2			T	1.08 g	100 mL			
680-60273-A-3			T	1.00 g	100 mL			
680-60273-A-4			T	1.05 g	100 mL			
680-60273-A-5			T	1.03 g	100 mL			
680-60273-A-6	67494-5 FDS-6	3050B, 6010B	T	1.10 g	100 mL			
680-60273-A-7	67494-6 FDS-5	3050B, 6010B	T	1.07 g	100 mL			
680-60273-A-7~MS	67494-6 FDS-5	3050B, 6010B	T	1.07 g	100 mL	1.0 mL	1.0 mL	
680-60273-A-7~MSD	67494-6 FDS-5	3050B, 6010B	T	1.07 g	100 mL	1.0 mL	1.0 mL	
MB~680-177400/20		3050B, 6010B		1.00 g	100 mL			1.00 g
LCS~680-177400/21		3050B, 6010B		1.00 g	100 mL	1.0 mL	1.0 mL	1.00 g

Nominal Amount Used:	1.0 g	Analyst:	HM
Digestion Tube/Cup Lot #:	1001711	First Start time:	N/A
Blank Soil Lot Number:	P-TEFLONCH-00005	First End time:	N/A
Balance ID:	8	Person's name who witnessed reagent drop:	N/A
Hood ID or number:	FH-8	Oven, Bath or Block Temperature 1:	94 Degrees C
Hot Block ID number:	9	Oven, Bath or Block Temperature 2:	N/A Degrees C
Lot # of hydrochloric acid:	1907792		
Lot # of Nitric Acid:	1907875		
Logbook ID for diluted Nitric:	N/A		
Hydrogen peroxide lot number:	1907859		
ID number of the thermometer:	MESD1		
Temperature:	94 Degrees C		
Acid used for pH adjustment:	N/A		
Pipette ID:	PREP-20		

Metals Worksheet

Batch Number: 680-177400
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Aug 17 2010 10:21AM
Batch End: Aug 17 2010 4:40PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
680-60283-A-1			T	
680-60283-A-2			T	
680-60283-A-3			T	
680-60283-A-4			T	
680-60283-A-5			T	
680-60283-A-6			T	
680-60283-A-7			T	
680-60283-A-8			T	
680-60283-A-9			T	
680-60283-A-10			T	
680-60273-A-1			T	
680-60273-A-2			T	
680-60273-A-3			T	
680-60273-A-4			T	
680-60273-A-5			T	
680-60273-A-6	67494-5 FDS-6	3050B, 6010B	T	
680-60273-A-7	67494-6 FDS-5	3050B, 6010B	T	
680-60273-A-7~MS	67494-6 FDS-5	3050B, 6010B	T	
680-60273-A-7~MSD	67494-6 FDS-5	3050B, 6010B	T	
MB~680-177400/20		3050B, 6010B		
LCS~680-177400/21		3050B, 6010B		

Batch Comment: N/A

Metals Worksheet

Batch Number: 680-177671
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Aug 19 2010 1:22PM
Batch End: Aug 19 2010 2:59PM

Lab ID	Client ID	Method Chain	Basis	Target Amount of Sample to Use	Initial weight/volume of sample	Final weight/volume of sample	Hg_Int_Cal_00048
MB~680-177671/1		7471A, 7471A			0.51 g	50 mL	
LCS~680-177671/2		7471A, 7471A			0.54 g	50 mL	0.25 mL
680-60144-B-1			T	76.2903 g	0.52 g	50 mL	
680-60144-B-1~MS		7471A, 7471A	T	76.2903 g	0.52 g	50 mL	0.10 mL
680-60144-B-1~MSD		7471A, 7471A	T	76.2903 g	0.54 g	50 mL	0.10 mL
680-60144-B-2			T	59.8456 g	0.55 g	50 mL	
680-60144-B-3			T	68.8904 g	0.53 g	50 mL	
680-60144-B-4			T	62.4511 g	0.54 g	50 mL	
680-60144-B-5			T	66.0248 g	0.50 g	50 mL	
680-60144-B-6			T	61.1179 g	0.50 g	50 mL	
680-60144-B-7			T	60.8508 g	0.53 g	50 mL	
680-60273-A-1			T	56.0914 g	0.52 g	50 mL	
680-60273-A-2			T	56.1582 g	0.53 g	50 mL	
680-60273-A-3			T	56.0119 g	0.52 g	50 mL	
680-60273-A-4			T	54.2763 g	0.50 g	50 mL	
680-60273-A-5			T	55.5156 g	0.53 g	50 mL	
680-60273-A-6	67494-5 FDS-6	7471A, 7471A	T	56.5389 g	0.52 g	50 mL	
680-60273-A-7	67494-6 FDS-5	7471A, 7471A	T	54.5771 g	0.52 g	50 mL	
680-60300-A-7-A			P		0.53 g	50 mL	
680-60303-A-1			T		0.52 g	50 mL	
680-60470-B-1			T		0.51 g	50 mL	
680-60462-B-1			T		0.52 g	50 mL	

Acid used for pH adjustment:	N/A	Potassium Persulfate Lot Number:	1943815
Nominal Amount Used:	50 g	Stannous Chloride Lot Number:	N/A
SOP Number:	ME 28	Oven, Bath or Block Temperature 1:	90 %
Digestion Tube/Cup Lot #:	1001171	NaCL Lot #:	1483774
Hot Block ID number:	HF-6	Aqua Regia Lot Number:	1945926
Hood ID or number:	HF-6	Hydroxylamine Hydrochloride Lot:	1914492
Balance ID:	7		
Blank Soil Lot Number:	P_SOIL-00007		
Lot # of Nitric Acid:	1907877		
Lot # of hydrochloric acid:	1907836		
Potassium Permanganate Lot Number:	1940008		
Sulfuric Acid Lot Number:	1920588		
Hydroxylamine Sulfate Lot Number:	1950333		

Metals Worksheet

Batch Number: 680-177671
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Aug 19 2010 1:22PM
Batch End: Aug 19 2010 2:59PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-177671/1		7471A, 7471A		
LCS~680-177671/2		7471A, 7471A		
680-60144-B-1			T	
680-60144-B-1~MS		7471A, 7471A	T	
680-60144-B-1~MSD		7471A, 7471A	T	
680-60144-B-2			T	
680-60144-B-3			T	
680-60144-B-4			T	
680-60144-B-5			T	
680-60144-B-6			T	
680-60144-B-7			T	
680-60273-A-1			T	
680-60273-A-2			T	
680-60273-A-3			T	
680-60273-A-4			T	
680-60273-A-5			T	
680-60273-A-6	67494-5 FDS-6	7471A, 7471A	T	
680-60273-A-7	67494-6 FDS-5	7471A, 7471A	T	
680-60300-A-7-A			P	
680-60303-A-1			T	
680-60470-B-1			T	
680-60462-B-1			T	

Batch Comment: N/A

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: Proj. Name: NASOWEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 67494 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
FDS-6	8-10-10	14:50	TAL Metals		X						S	1	G		67494-5
FDS-5	8-10-10	13:50	TAL Metals		X						S	1	G		-6

JB 8/11/10

Received By: Time: Date:
Received By: OPS Time: 1719 Date: 8/11/10
Received By: Time: 0830 Date: 8/12/10
Relinquished By Sampler: Time: Date:
Relinquished By: Time: Date:
Relinquished By: OPS Time: Date:

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
8/13/10
[X] 24hr* [ ] 48hr*
[ ] 72hr* [ ] 5 Days*
*Fee may apply; lab approval required

Comments / Instructions:
Brownfields project
Please reference Station ID number and AEL Lab number on report(s).

Method Type: (RCRA) NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
[ ] MCP* [ ] Level II*
[ ] CTRCP* [ ] Level III*
[X] DOD* [ ] Level IV*
[ ] Standard

State:
[ ] NH
[X] MA
[ ] ME
[ ] CT
[ ] RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required: (Y*) N
Type: TTEC EDD

Analytics\AEL Documents\AEL COC

Page 1 of 1

680-60273
4.2°c

analytics environmental laboratory LLC

CHAIN OF CUSTODIES

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:COC.doc

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 5 06/18/08

Samples were:
1) Shipped ~~or hand-delivered~~
2) Temp blank °C 4°
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: JB 8/11/10

Project#: Proj. Name: NASOWEY
Company: Tetra Tech Inc.
Contact: Richard Claydon
Address: ~~133 Federal Street~~ 160 FEDERAL ST
Boston, MA 02110
Phone: 1-617-~~457-8200~~ 439-7500 PO# Quote #
Sampler (Signature): Matthew J. Cann

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
MW 200-1	8-10-10	0900	TCL VOC 8260						X		S	~~2~~ 2	G		67494-1
MW 200-2	8-10-10	0915	"						X			2	G		-2
MW 200-3	"	0940	"						X			2	G		-3
MW 200-4	"	1000	"						X			2	G		-4
MW 200-1	"	0900	"							X		1	G		-1
MW 200-2	"	0915	"							X		1	G		-2
MW 200-3	"	0940	"							X		1	G		-3
MW 200-4	"	1000	"							X		1	G		-4
MW 200-1	"	0900	% Solids									1	G		-1
MW 200-2	"	0915	% Solids									1	G		-2
Trip Blank												1	G		-7

Preservation

Email Results to: Richard.Claydon@tetratech.com

Turnaround Time (TAT)
- [ ] 24hr*
- [x] 48hr*
- [ ] 72hr*
- [ ] 5 Days*
- [ ] 10 Days

*Fee may apply; lab approval required

Comments / Instructions:

Diss. Pb samples field filtered.

*Per Richard Claydon 5-10day TAT is OK JB 8/12/10

Project Requirements:
*Fee may apply

Report Type:
- [ ] MCP*
- [ ] CTRCP*
- [ ] DOD*
- [ ] Level II*
- [ ] Level III*
- [x] Level IV*
- [ ] Standard

State:
- [ ] NH
- [x] MA
- [ ] ME
- [ ] CT
- [ ] RI

Other:

State Standard: (eg. S-1 or GW-1)

EDD Required: Y* N

Type:

Relinquished By Sampler:	Relinquished By:	Relinquished By:
Matthew Cann		
Date: 8/11/10	Date:	Date:
Time: 1130	Time:	Time:

Received By:	Received By:	Received By:

Analytics\AEL Documents\AEL COC

Page 1 of 2

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 5 06/18/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4°
3) Received in good condition Y or N
4) pH checked by: NR
5) Labels checked by: 08/11/10

Project#:
Proj. Name: NASOWEY
Company: Tetra Tech Inc.
Contact: Richard Claydon
Address: ~~133 Federal Street~~ 160 Federal St
Boston, MA 02110
Phone: 1-617-~~457-6200~~ 443-7500
PO#
Quote #
Sampler (Signature): Matthew Allen

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
MW 200-3	8-10-10	0940	% Solid								S	1	G		67494-3
MW 200-4	"	1000	"									1	G		-4
FDS-6		1450	T CL VOC 8260						X			2	G		-5
"		"	"									1	G		
"		"	% Solids									2	G		
"		"	VPH 98-1						X			1	G		
"		"	EPH, TAL metals									2	G		
FDS-5		1350	EPH, Pest, TAL metals									3	G		-6
"		1350	VPH 98-1						X			1	G		
"		1350	% Solids									1	G		
~~Trip Blank~~															-7

Preservation

Email Results to:
Richard.Claydon@tetratech.com

Turnaround Time (TAT)
☐ 24hr* ☒ 48hr*
☐ 72hr* ☐ 5 Days*
☐ 10 Days
*Fee may apply; lab approval required

Comments / Instructions:
Diss. Pb samples field filtered.

* Per Richard Claydon
5-10day TAT is OK
BB 8/12/10

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☐ DOD* ☑ Level IV*
☐ Standard

State:
☐ NH
☑ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required: Y* N
Type:

Relinquished By Sampler:	Relinquished By:	Relinquished By:
Matthew Allen		
Date: 8/10/10	Date:	Date:
Time: 1130	Time:	Time:

Received By:	Received By:	Received By:
Date: 8/11/10	Date:	Date:
Time:	Time:	Time:

Analytics\AEL Documents\AEL COC

Page 2 of 2

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 67494

CLIENT: TETRA TECH

PROJECT: NASOWEY

COOLER NUMBER: N/A

NUMBER OF COOLERS: 1

DATE RECEIVED: 08/11/10

A: PRELIMINARY EXAMINATION:

DATE COOLER OPENED: 08/11/10

1. Cooler received by(initials): LM

Date Received: 08/11/10

2. Circle one: Hand delivered (If so, skip 3) Shipped

3. Did cooler come with a shipping slip? Y N/A

3a. Enter carrier name and airbill number here: N/A

4. Were custody seals on the outside of cooler? Y N/A
How many & where: N/A Seal Date: N/A Seal Name: N/A

5. Did the custody seals arrive unbroken and intact upon arrival? Y N/A

6. COC#: N/A

7. Were Custody papers filled out properly (ink,signed, etc)? Y N

8. Were custody papers sealed in a plastic bag? Y N

9. Did you sign the COC in the appropriate place? Y N

10. Was the project identifiable from the COC papers? Y N

11. Was enough ice used to chill the cooler? Y N Temp. of cooler: 4°

B. Log-In: Date samples were logged in: 08/11/10 By: LM

12. Type of packing in cooler(bubble wrap, popcorn) Y N

13. Were all bottles sealed in separate plastic bags? Y N

14. Did all bottles arrive unbroken and were labels in good condition? Y N

15. Were all bottle labels complete(ID,Date,time,etc.) Y N

16. Did all bottle labels agree with custody papers? Y N

17. Were the correct containers used for the tests indicated: Y N

18. Were samples received at the correct pH? ~~Y~~ CP 8/12/10 N/A

19. Was sufficient amount of sample sent for the tests indicated? Y N

20. Were bubbles absent in VOA samples? Y N/A

If NO, List Sample ID's and Lab #s:

21. Laboratory labeling verified by (initials): [illegible] Date: 8/11/10

C:ANLYTICS LLC\AEL DOCUMENTS\FORMS\SMPL CHKLST\Edit 4908

Rev. 2, 4/13/10

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

August 26, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston, MA

RE: Analytical Results Case Narrative
Analytics # 67495
NAS-SOWEY
South Weymouth, MA

Dear Mr. Corbett:

Enclosed please find the analytical results for samples collected from the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for TAL Metals. The metals analyses were subcontracted to Test America GA.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level III package has been assembled in the following order:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- Summary Report
- Subcontracted Reports and Narratives
- Chain of Custody (COC) Forms and Sample Data Receipt Checklist AEL

Cube3:Users:sknollmeyer:Desktop:67495.doc

QC NON CONFORMANCE SUMMARY

Sample Receipt:
The laboratory received a container labeled FDS 4D with the date and time of 8/11/2010 09:50 that was not listed on the chain of custody (COC). The client was contacted and instructed the laboratory that the station ID should be FDS4-3-D and that the date and time were correct. The laboratory proceeded with the sample as instructed.

If you have any questions or I can be of further assistance, please do not hesitate to contact me.

Sincerely
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. Brian Corbett
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston MA 02110

Report Number: 67495

Revision: Rev. 0

Re: NASOWEY

Enclosed are the results of the analyses on your sample(s). Samples were received on 11 August 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
67495-1	08/11/10	FDS4-1	TAL Metals	
67495-2	08/11/10	FDS4-2	TAL Metals	
67495-3	08/11/10	FDS4-3	TAL Metals	
67495-4	08/11/10	FDS4-4	TAL Metals	
67495-5	08/11/10	FDS4-3-D	Electronic Data Deliverable	
	08/11/10	FDS4-3-D	TAL Metals	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature Mulbulli for
Stephen L. Knollmeyer Lab. Director

Date 08/25/2010

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

Summary Report

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-60273-1

SDG Number: 67495

Job Description: NASOWEY

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
8/22/2010 1:27 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
08/22/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

Comments
No additional comments.

Receipt
The Chain-of-Custody (COC) was not properly filled out. Sample dates and times were provided upon lab receipt.

All other samples were received in good condition within temperature requirements.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010B	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury (CVAA)	TAL SAV	SW846 7471A	
Preparation, Mercury	TAL SAV		SW846 7471A
Percent Moisture	TAL SAV	EPA Moisture	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Method	Analyst	Analyst ID
SW846 6010B	Bland, Brian	BCB
SW846 7471A	Eaton, Cliff	CE
EPA Moisture	Morgan, Harriet	HM

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-60273-1	67495-1 FDS4-1	Solid	08/11/2010 0820	08/12/2010 0850
680-60273-2	67495-2 FDS4-2	Solid	08/11/2010 0900	08/12/2010 0850
680-60273-3	67495-3 FDS4-3	Solid	08/11/2010 0950	08/12/2010 0850
680-60273-4	67495-4 FDS4-4	Solid	08/11/2010 1110	08/12/2010 0850
680-60273-5	67495-5 FDS-4-3-D	Solid	08/11/2010 0950	08/12/2010 0850

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Client Sample ID: **67495-1 FDS4-1**

Lab Sample ID: 680-60273-1
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 08/11/2010 0820
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-177640		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-177400		Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.09 g
Date Analyzed:	08/19/2010 0307			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5300		10	21
Antimony		0.55	U	0.55	2.1
Arsenic		2.4		0.61	2.1
Barium		20		0.31	1.0
Beryllium		0.52		0.021	0.41
Cadmium		0.10	U	0.10	0.51
Calcium		1700		21	51
Chromium		8.0		0.51	1.0
Cobalt		3.9		0.12	1.0
Copper		9.8		1.1	2.6
Iron		9700		7.2	21
Lead		4.2		0.55	1.0
Magnesium		2300		2.5	51
Manganese		120		0.31	1.0
Nickel		6.1		0.32	4.1
Potassium		430		8.2	100
Selenium		1.0	U	1.0	2.6
Silver		0.099	U	0.099	1.0
Sodium		84	U	84	210
Thallium		1.0	U	1.0	2.6
Vanadium		17		0.25	1.0
Zinc		28		1.2	2.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 680-177825		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-177671		Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	08/20/2010 1545			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0099	J	0.0088	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Client Sample ID: **67495-2 FDS4-2**

Lab Sample ID: 680-60273-2
Client Matrix: Solid
% Moisture: 11.0

Date Sampled: 08/11/2010 0900
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-177640		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-177400		Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Date Analyzed:	08/19/2010 0312			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4400		10	21
Antimony		0.55	U	0.55	2.1
Arsenic		1.4	J	0.61	2.1
Barium		19		0.31	1.0
Beryllium		0.49		0.021	0.42
Cadmium		0.10	U	0.10	0.52
Calcium		1400		21	52
Chromium		6.3		0.52	1.0
Cobalt		2.1		0.12	1.0
Copper		5.5		1.1	2.6
Iron		9500		7.3	21
Lead		5.6		0.55	1.0
Magnesium		1400		2.5	52
Manganese		120		0.31	1.0
Nickel		5.2		0.32	4.2
Potassium		440		8.3	100
Selenium		1.0	U	1.0	2.6
Silver		0.10	U	0.10	1.0
Sodium		85	U	85	210
Thallium		1.0	U	1.0	2.6
Vanadium		13		0.25	1.0
Zinc		31		1.2	2.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 680-177825		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-177671		Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.53 g
Date Analyzed:	08/20/2010 1548			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0087	U	0.0087	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Client Sample ID: **67495-3 FDS4-3**

Lab Sample ID: 680-60273-3
Client Matrix: Solid
% Moisture: 10.7

Date Sampled: 08/11/2010 0950
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-177640		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-177400		Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	08/19/2010 0328			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9200		11	22
Antimony		0.59	U	0.59	2.2
Arsenic		1.6	J	0.66	2.2
Barium		26		0.34	1.1
Beryllium		0.53		0.022	0.45
Cadmium		0.11	U	0.11	0.56
Calcium		1800		22	56
Chromium		11		0.56	1.1
Cobalt		4.3		0.13	1.1
Copper		5.1		1.2	2.8
Iron		13000		7.8	22
Lead		6.2		0.59	1.1
Magnesium		3500		2.7	56
Manganese		200		0.34	1.1
Nickel		8.1		0.35	4.5
Potassium		470		9.0	110
Selenium		1.1	U	1.1	2.8
Silver		0.11	U	0.11	1.1
Sodium		92	U	92	220
Thallium		1.1	U	1.1	2.8
Vanadium		17		0.27	1.1
Zinc		37		1.3	2.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 680-177825		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-177671		Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	08/20/2010 1551			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.014	J	0.0088	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Client Sample ID: **67495-4 FDS4-4**

Lab Sample ID: 680-60273-4
Client Matrix: Solid
% Moisture: 7.9

Date Sampled: 08/11/2010 1110
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-177640		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-177400		Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	08/19/2010 0334			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5300		10	21
Antimony		0.55	U	0.55	2.1
Arsenic		1.3	J	0.61	2.1
Barium		17		0.31	1.0
Beryllium		0.42		0.021	0.41
Cadmium		0.10	U	0.10	0.52
Calcium		1100		21	52
Chromium		7.0		0.52	1.0
Cobalt		2.8		0.12	1.0
Copper		5.6		1.1	2.6
Iron		9800		7.2	21
Lead		4.2		0.55	1.0
Magnesium		2000		2.5	52
Manganese		150		0.31	1.0
Nickel		4.5		0.32	4.1
Potassium		370		8.3	100
Selenium		1.0	U	1.0	2.6
Silver		0.099	U	0.099	1.0
Sodium		85	U	85	210
Thallium		1.0	U	1.0	2.6
Vanadium		17		0.25	1.0
Zinc		25		1.2	2.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 680-177825		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-177671		Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.50 g
Date Analyzed:	08/20/2010 1555			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0089	U	0.0089	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Client Sample ID: **67495-5 FDS-4-3-D**

Lab Sample ID: 680-60273-5
Client Matrix: Solid
% Moisture: 9.9

Date Sampled: 08/11/2010 0950
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-177640		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-177400		Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	08/19/2010 0339			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5500		11	22
Antimony		0.57	U	0.57	2.2
Arsenic		0.98	J	0.64	2.2
Barium		21		0.32	1.1
Beryllium		0.46		0.022	0.43
Cadmium		0.11	U	0.11	0.54
Calcium		1200		22	54
Chromium		6.7		0.54	1.1
Cobalt		3.1		0.13	1.1
Copper		4.5		1.2	2.7
Iron		8200		7.5	22
Lead		6.5		0.57	1.1
Magnesium		1900		2.6	54
Manganese		130		0.32	1.1
Nickel		4.9		0.33	4.3
Potassium		440		8.6	110
Selenium		1.1	U	1.1	2.7
Silver		0.10	U	0.10	1.1
Sodium		88	U	88	220
Thallium		1.1	U	1.1	2.7
Vanadium		13		0.26	1.1
Zinc		25		1.3	2.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 680-177825		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-177671		Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.53 g
Date Analyzed:	08/20/2010 1558			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.013	J	0.0086	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

General Chemistry

Client Sample ID: **67495-1 FDS4-1**

Lab Sample ID: 680-60273-1
Client Matrix: Solid

Date Sampled: 08/11/2010 0820
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

General Chemistry

Client Sample ID: **67495-2 FDS4-2**

Lab Sample ID: 680-60273-2
Client Matrix: Solid

Date Sampled: 08/11/2010 0900
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

General Chemistry

Client Sample ID: **67495-3 FDS4-3**

Lab Sample ID: 680-60273-3
Client Matrix: Solid

Date Sampled: 08/11/2010 0950
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

General Chemistry

Client Sample ID: **67495-4 FDS4-4**

Lab Sample ID: 680-60273-4
Client Matrix: Solid

Date Sampled: 08/11/2010 1110
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.9		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

General Chemistry

Client Sample ID: **67495-5 FDS-4-3-D**

Lab Sample ID: 680-60273-5
Client Matrix: Solid

Date Sampled: 08/11/2010 0950
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.9		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947 DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	U	Undetected at the Limit of Detection.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Method Blank - Batch: 680-177400

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 680-177400/20-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/19/2010 0153
Date Prepared: 08/17/2010 1021

Analysis Batch: 680-177640
Prep Batch: 680-177400
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 081810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Aluminum	10	U	10	20
Antimony	0.53	U	0.53	2.0
Arsenic	0.59	U	0.59	2.0
Barium	0.30	U	0.30	1.0
Beryllium	0.020	U	0.020	0.40
Cadmium	0.10	U	0.10	0.50
Calcium	20	U	20	50
Chromium	0.50	U	0.50	1.0
Cobalt	0.121	J	0.12	1.0
Copper	1.1	U	1.1	2.5
Iron	7.0	U	7.0	20
Lead	0.53	U	0.53	1.0
Magnesium	2.4	U	2.4	50
Manganese	0.30	U	0.30	1.0
Nickel	0.31	U	0.31	4.0
Potassium	8.0	U	8.0	100
Selenium	1.0	U	1.0	2.5
Silver	0.096	U	0.096	1.0
Sodium	82	U	82	200
Thallium	0.99	U	0.99	2.5
Vanadium	0.24	U	0.24	1.0
Zinc	1.2	U	1.2	2.0

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Lab Control Sample - Batch: 680-177400

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 680-177400/21-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/19/2010 0158
Date Prepared: 08/17/2010 1021

Analysis Batch: 680-177640
Prep Batch: 680-177400
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 081810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	214	107	75 - 125	
Antimony	50.0	52.4	105	75 - 125	
Arsenic	200	211	105	75 - 125	
Barium	200	216	108	75 - 125	
Beryllium	5.00	5.29	106	75 - 125	
Cadmium	5.00	5.30	106	75 - 125	
Calcium	500	541	108	75 - 125	
Chromium	20.0	21.5	107	75 - 125	
Cobalt	50.0	54.0	108	75 - 125	
Copper	25.0	26.9	108	75 - 125	
Iron	100	109	109	75 - 125	
Lead	50.0	53.8	108	75 - 125	
Magnesium	500	549	110	75 - 125	
Manganese	50.0	54.6	109	75 - 125	
Nickel	50.0	53.7	107	75 - 125	
Potassium	500	533	107	75 - 125	
Selenium	200	210	105	75 - 125	
Silver	5.00	5.37	107	75 - 125	
Sodium	500	534	107	75 - 125	
Thallium	200	219	109	75 - 125	
Vanadium	50.0	55.4	111	75 - 125	
Zinc	50.0	55.2	110	75 - 125	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-177400

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	680-60273-A-7-B MS	Analysis Batch: 680-177640	Instrument ID: ICPD
Client Matrix:	Solid	Prep Batch: 680-177400	Lab File ID: 081810.chr
Dilution:	1.0		Initial Weight/Volume: 1.07 g
Date Analyzed:	08/19/2010 0406		Final Weight/Volume: 100 mL
Date Prepared:	08/17/2010 1021		

MSD Lab Sample ID:	680-60273-A-7-C MSD	Analysis Batch: 680-177640	Instrument ID: ICPD
Client Matrix:	Solid	Prep Batch: 680-177400	Lab File ID: 081810.chr
Dilution:	1.0		Initial Weight/Volume: 1.07 g
Date Analyzed:	08/19/2010 0411		Final Weight/Volume: 100 mL
Date Prepared:	08/17/2010 1021		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	901	679	75 - 125	6	20	4	4
Antimony	91	82	75 - 125	10	20		
Arsenic	102	101	75 - 125	1	20		
Barium	106	105	75 - 125	0	20		
Beryllium	104	103	75 - 125	1	20		
Cadmium	103	103	75 - 125	0	20		
Calcium	163	121	75 - 125	11	20	J	
Chromium	111	107	75 - 125	3	20		
Cobalt	106	105	75 - 125	1	20		
Copper	107	106	75 - 125	1	20		
Iron	1790	661	75 - 125	11	20	4	4
Lead	102	103	75 - 125	1	20		
Magnesium	235	127	75 - 125	20	20	J	J
Manganese	161	103	75 - 125	13	20	J	
Nickel	106	104	75 - 125	2	20		
Potassium	114	110	75 - 125	2	20		
Selenium	102	101	75 - 125	0	20		
Silver	107	104	75 - 125	2	20		
Sodium	103	106	75 - 125	2	20		
Thallium	105	105	75 - 125	0	20		
Vanadium	112	108	75 - 125	3	20		
Zinc	114	110	75 - 125	2	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Lab Control Sample - Batch: 680-177671

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 680-177671/2-A	Analysis Batch:	680-177825	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-177671	Lab File ID:	b082010c.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.54 g
Date Analyzed:	08/20/2010 1510			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.231	0.265	115	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-177671

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	680-60144-B-1-E MS	Analysis Batch:	680-177825	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-177671	Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	08/20/2010 1516			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

MSD Lab Sample ID:	680-60144-B-1-F MSD	Analysis Batch:	680-177825	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-177671	Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.54 g
Date Analyzed:	08/20/2010 1519			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	91	87	80 - 120	6	20		

SUBCONTRACTED REPORTS
&
NARRATIVES

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-60273-1

SDG Number: 67495

Job Description: NASOWEY

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
8/24/2010 4:43 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
08/24/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

TestAmerica Laboratories, Inc.
TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Table of Contents

Cover Title Page 1

Data Summaries 4

- Report Narrative 4
- Sample Summary 5
- Executive Summary 6
- Method Summary 9
- Method / Analyst Summary 10
- Sample Datasheets 11
- QC Data Summary 21
- Data Qualifiers 28
- QC Association Summary 29
- Lab Chronicle 31

Inorganic Sample Data 34

- Metals Data 34
  - Met Cover Page 35
  - Met Sample Data 36
  - Met QC Data 41
    - Met ICV/CCV 41
    - Met CRQL 46
    - Met Blanks 49
    - Met ICSA/ICSAB 54
    - Met MS/MSD/PDS 58
    - Met LCS/LCSD 63
    - Met Serial Dilution 65
  - Met MDL 66
  - Met Linear Ranges 70

Table of Contents

Met Preparation Log 71

Met Analysis Run Log 73

Met Raw Data 88

Met Prep Data 207

Shipping and Receiving Documents 211

Client Chain of Custody 211

Job Narrative
680-60273-1

Comments
No additional comments.

Receipt
The Chain-of-Custody (COC) was not properly filled out. Sample dates and times were provided upon lab receipt.

All other samples were received in good condition within temperature requirements.

Metals
Method(s) 6010B: Due to the high concentration of aluminum and iron, the matrix spike / matrix spike duplicate (MS/MSD) for batch 680-177400 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 680-177400 were outside control limits for calcium, magnesium, and manganese. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The post digestion spike % recovery for aluminum and iron was outside of control limits.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-60273-1	67495-1 FDS4-1	Solid	08/11/2010 0820	08/12/2010 0850
680-60273-2	67495-2 FDS4-2	Solid	08/11/2010 0900	08/12/2010 0850
680-60273-3	67495-3 FDS4-3	Solid	08/11/2010 0950	08/12/2010 0850
680-60273-4	67495-4 FDS4-4	Solid	08/11/2010 1110	08/12/2010 0850
680-60273-5	67495-5 FDS-4-3-D	Solid	08/11/2010 0950	08/12/2010 0850

EXECUTIVE SUMMARY - Detections

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
680-60273-1	**67495-1 FDS4-1**					
Aluminum		5300		21	mg/Kg	6010B
Arsenic		2.4		2.1	mg/Kg	6010B
Barium		20		1.0	mg/Kg	6010B
Beryllium		0.52		0.41	mg/Kg	6010B
Calcium		1700		51	mg/Kg	6010B
Chromium		8.0		1.0	mg/Kg	6010B
Cobalt		3.9		1.0	mg/Kg	6010B
Copper		9.8		2.6	mg/Kg	6010B
Iron		9700		21	mg/Kg	6010B
Lead		4.2		1.0	mg/Kg	6010B
Magnesium		2300		51	mg/Kg	6010B
Manganese		120		1.0	mg/Kg	6010B
Nickel		6.1		4.1	mg/Kg	6010B
Potassium		430		100	mg/Kg	6010B
Vanadium		17		1.0	mg/Kg	6010B
Zinc		28		2.1	mg/Kg	6010B
Mercury		0.0099	J	0.022	mg/Kg	7471A
Percent Moisture		11		0.010	%	Moisture
680-60273-2	**67495-2 FDS4-2**					
Aluminum		4400		21	mg/Kg	6010B
Arsenic		1.4	J	2.1	mg/Kg	6010B
Barium		19		1.0	mg/Kg	6010B
Beryllium		0.49		0.42	mg/Kg	6010B
Calcium		1400		52	mg/Kg	6010B
Chromium		6.3		1.0	mg/Kg	6010B
Cobalt		2.1		1.0	mg/Kg	6010B
Copper		5.5		2.6	mg/Kg	6010B
Iron		9500		21	mg/Kg	6010B
Lead		5.6		1.0	mg/Kg	6010B
Magnesium		1400		52	mg/Kg	6010B
Manganese		120		1.0	mg/Kg	6010B
Nickel		5.2		4.2	mg/Kg	6010B
Potassium		440		100	mg/Kg	6010B
Vanadium		13		1.0	mg/Kg	6010B
Zinc		31		2.1	mg/Kg	6010B
Percent Moisture		11		0.010	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
680-60273-3	**67495-3 FDS4-3**					
Aluminum		9200		22	mg/Kg	6010B
Arsenic		1.6	J	2.2	mg/Kg	6010B
Barium		26		1.1	mg/Kg	6010B
Beryllium		0.53		0.45	mg/Kg	6010B
Calcium		1800		56	mg/Kg	6010B
Chromium		11		1.1	mg/Kg	6010B
Cobalt		4.3		1.1	mg/Kg	6010B
Copper		5.1		2.8	mg/Kg	6010B
Iron		13000		22	mg/Kg	6010B
Lead		6.2		1.1	mg/Kg	6010B
Magnesium		3500		56	mg/Kg	6010B
Manganese		200		1.1	mg/Kg	6010B
Nickel		8.1		4.5	mg/Kg	6010B
Potassium		470		110	mg/Kg	6010B
Vanadium		17		1.1	mg/Kg	6010B
Zinc		37		2.2	mg/Kg	6010B
Mercury		0.014	J	0.022	mg/Kg	7471A
Percent Moisture		11		0.010	%	Moisture
680-60273-4	**67495-4 FDS4-4**					
Aluminum		5300		21	mg/Kg	6010B
Arsenic		1.3	J	2.1	mg/Kg	6010B
Barium		17		1.0	mg/Kg	6010B
Beryllium		0.42		0.41	mg/Kg	6010B
Calcium		1100		52	mg/Kg	6010B
Chromium		7.0		1.0	mg/Kg	6010B
Cobalt		2.8		1.0	mg/Kg	6010B
Copper		5.6		2.6	mg/Kg	6010B
Iron		9800		21	mg/Kg	6010B
Lead		4.2		1.0	mg/Kg	6010B
Magnesium		2000		52	mg/Kg	6010B
Manganese		150		1.0	mg/Kg	6010B
Nickel		4.5		4.1	mg/Kg	6010B
Potassium		370		100	mg/Kg	6010B
Vanadium		17		1.0	mg/Kg	6010B
Zinc		25		2.1	mg/Kg	6010B
Percent Moisture		7.9		0.010	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
680-60273-5	**67495-5 FDS-4-3-D**					
Aluminum		5500		22	mg/Kg	6010B
Arsenic		0.98	J	2.2	mg/Kg	6010B
Barium		21		1.1	mg/Kg	6010B
Beryllium		0.46		0.43	mg/Kg	6010B
Calcium		1200		54	mg/Kg	6010B
Chromium		6.7		1.1	mg/Kg	6010B
Cobalt		3.1		1.1	mg/Kg	6010B
Copper		4.5		2.7	mg/Kg	6010B
Iron		8200		22	mg/Kg	6010B
Lead		6.5		1.1	mg/Kg	6010B
Magnesium		1900		54	mg/Kg	6010B
Manganese		130		1.1	mg/Kg	6010B
Nickel		4.9		4.3	mg/Kg	6010B
Potassium		440		110	mg/Kg	6010B
Vanadium		13		1.1	mg/Kg	6010B
Zinc		25		2.2	mg/Kg	6010B
Mercury		0.013	J	0.021	mg/Kg	7471A
Percent Moisture		9.9		0.010	%	Moisture

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010B	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury (CVAA)	TAL SAV	SW846 7471A	
Preparation, Mercury	TAL SAV		SW846 7471A
Percent Moisture	TAL SAV	EPA Moisture	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Method	Analyst	Analyst ID
SW846 6010B	Bland, Brian	BCB
SW846 7471A	Eaton, Cliff	CE
EPA Moisture	Morgan, Harriet	HM

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Client Sample ID: **67495-1 FDS4-1**

Lab Sample ID: 680-60273-1
Client Matrix: Solid
% Moisture: 10.9

Date Sampled: 08/11/2010 0820
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-177640		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-177400		Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.09 g
Date Analyzed:	08/19/2010 0307			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5300		10	21
Antimony		0.55	U	0.55	2.1
Arsenic		2.4		0.61	2.1
Barium		20		0.31	1.0
Beryllium		0.52		0.021	0.41
Cadmium		0.10	U	0.10	0.51
Calcium		1700		21	51
Chromium		8.0		0.51	1.0
Cobalt		3.9		0.12	1.0
Copper		9.8		1.1	2.6
Iron		9700		7.2	21
Lead		4.2		0.55	1.0
Magnesium		2300		2.5	51
Manganese		120		0.31	1.0
Nickel		6.1		0.32	4.1
Potassium		430		8.2	100
Selenium		1.0	U	1.0	2.6
Silver		0.099	U	0.099	1.0
Sodium		84	U	84	210
Thallium		1.0	U	1.0	2.6
Vanadium		17		0.25	1.0
Zinc		28		1.2	2.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 680-177825		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-177671		Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	08/20/2010 1545			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0099	J	0.0088	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Client Sample ID: **67495-2 FDS4-2**

Lab Sample ID: 680-60273-2
Client Matrix: Solid
% Moisture: 11.0

Date Sampled: 08/11/2010 0900
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-177640		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-177400		Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Date Analyzed:	08/19/2010 0312			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4400		10	21
Antimony		0.55	U	0.55	2.1
Arsenic		1.4	J	0.61	2.1
Barium		19		0.31	1.0
Beryllium		0.49		0.021	0.42
Cadmium		0.10	U	0.10	0.52
Calcium		1400		21	52
Chromium		6.3		0.52	1.0
Cobalt		2.1		0.12	1.0
Copper		5.5		1.1	2.6
Iron		9500		7.3	21
Lead		5.6		0.55	1.0
Magnesium		1400		2.5	52
Manganese		120		0.31	1.0
Nickel		5.2		0.32	4.2
Potassium		440		8.3	100
Selenium		1.0	U	1.0	2.6
Silver		0.10	U	0.10	1.0
Sodium		85	U	85	210
Thallium		1.0	U	1.0	2.6
Vanadium		13		0.25	1.0
Zinc		31		1.2	2.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 680-177825		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-177671		Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.53 g
Date Analyzed:	08/20/2010 1548			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0087	U	0.0087	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Client Sample ID: **67495-3 FDS4-3**

Lab Sample ID: 680-60273-3
Client Matrix: Solid
% Moisture: 10.7

Date Sampled: 08/11/2010 0950
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-177640		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-177400		Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	08/19/2010 0328			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9200		11	22
Antimony		0.59	U	0.59	2.2
Arsenic		1.6	J	0.66	2.2
Barium		26		0.34	1.1
Beryllium		0.53		0.022	0.45
Cadmium		0.11	U	0.11	0.56
Calcium		1800		22	56
Chromium		11		0.56	1.1
Cobalt		4.3		0.13	1.1
Copper		5.1		1.2	2.8
Iron		13000		7.8	22
Lead		6.2		0.59	1.1
Magnesium		3500		2.7	56
Manganese		200		0.34	1.1
Nickel		8.1		0.35	4.5
Potassium		470		9.0	110
Selenium		1.1	U	1.1	2.8
Silver		0.11	U	0.11	1.1
Sodium		92	U	92	220
Thallium		1.1	U	1.1	2.8
Vanadium		17		0.27	1.1
Zinc		37		1.3	2.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 680-177825		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-177671		Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	08/20/2010 1551			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.014	J	0.0088	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Client Sample ID: **67495-4 FDS4-4**

Lab Sample ID: 680-60273-4
Client Matrix: Solid
% Moisture: 7.9

Date Sampled: 08/11/2010 1110
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-177640		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-177400		Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	08/19/2010 0334			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5300		10	21
Antimony		0.55	U	0.55	2.1
Arsenic		1.3	J	0.61	2.1
Barium		17		0.31	1.0
Beryllium		0.42		0.021	0.41
Cadmium		0.10	U	0.10	0.52
Calcium		1100		21	52
Chromium		7.0		0.52	1.0
Cobalt		2.8		0.12	1.0
Copper		5.6		1.1	2.6
Iron		9800		7.2	21
Lead		4.2		0.55	1.0
Magnesium		2000		2.5	52
Manganese		150		0.31	1.0
Nickel		4.5		0.32	4.1
Potassium		370		8.3	100
Selenium		1.0	U	1.0	2.6
Silver		0.099	U	0.099	1.0
Sodium		85	U	85	210
Thallium		1.0	U	1.0	2.6
Vanadium		17		0.25	1.0
Zinc		25		1.2	2.1

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 680-177825		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-177671		Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.50 g
Date Analyzed:	08/20/2010 1555			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0089	U	0.0089	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Client Sample ID: **67495-5 FDS-4-3-D**

Lab Sample ID: 680-60273-5
Client Matrix: Solid
% Moisture: 9.9

Date Sampled: 08/11/2010 0950
Date Received: 08/12/2010 0850

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 680-177640		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-177400		Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	08/19/2010 0339			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5500		11	22
Antimony		0.57	U	0.57	2.2
Arsenic		0.98	J	0.64	2.2
Barium		21		0.32	1.1
Beryllium		0.46		0.022	0.43
Cadmium		0.11	U	0.11	0.54
Calcium		1200		22	54
Chromium		6.7		0.54	1.1
Cobalt		3.1		0.13	1.1
Copper		4.5		1.2	2.7
Iron		8200		7.5	22
Lead		6.5		0.57	1.1
Magnesium		1900		2.6	54
Manganese		130		0.32	1.1
Nickel		4.9		0.33	4.3
Potassium		440		8.6	110
Selenium		1.1	U	1.1	2.7
Silver		0.10	U	0.10	1.1
Sodium		88	U	88	220
Thallium		1.1	U	1.1	2.7
Vanadium		13		0.26	1.1
Zinc		25		1.3	2.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 680-177825		Instrument ID:	LEEMAN1
Preparation:	7471A	Prep Batch: 680-177671		Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.53 g
Date Analyzed:	08/20/2010 1558			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.013	J	0.0086	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

General Chemistry

Client Sample ID: **67495-1 FDS4-1**

Lab Sample ID: 680-60273-1
Client Matrix: Solid

Date Sampled: 08/11/2010 0820
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

General Chemistry

Client Sample ID: **67495-2 FDS4-2**

Lab Sample ID: 680-60273-2
Client Matrix: Solid

Date Sampled: 08/11/2010 0900
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

General Chemistry

Client Sample ID: **67495-3 FDS4-3**

Lab Sample ID: 680-60273-3
Client Matrix: Solid

Date Sampled: 08/11/2010 0950
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

General Chemistry

Client Sample ID: **67495-4 FDS4-4**

Lab Sample ID: 680-60273-4
Client Matrix: Solid

Date Sampled: 08/11/2010 1110
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.9		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

General Chemistry

Client Sample ID: **67495-5 FDS-4-3-D**

Lab Sample ID: 680-60273-5
Client Matrix: Solid

Date Sampled: 08/11/2010 0950
Date Received: 08/12/2010 0850

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.9		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-177393 Date Analyzed: 08/17/2010 0947 DryWt Corrected: N

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Method Blank - Batch: 680-177400

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 680-177400/20-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/19/2010 0153
Date Prepared: 08/17/2010 1021

Analysis Batch: 680-177640
Prep Batch: 680-177400
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 081810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Aluminum	10	U	10	20
Antimony	0.53	U	0.53	2.0
Arsenic	0.59	U	0.59	2.0
Barium	0.30	U	0.30	1.0
Beryllium	0.020	U	0.020	0.40
Cadmium	0.10	U	0.10	0.50
Calcium	20	U	20	50
Chromium	0.50	U	0.50	1.0
Cobalt	0.121	J	0.12	1.0
Copper	1.1	U	1.1	2.5
Iron	7.0	U	7.0	20
Lead	0.53	U	0.53	1.0
Magnesium	2.4	U	2.4	50
Manganese	0.30	U	0.30	1.0
Nickel	0.31	U	0.31	4.0
Potassium	8.0	U	8.0	100
Selenium	1.0	U	1.0	2.5
Silver	0.096	U	0.096	1.0
Sodium	82	U	82	200
Thallium	0.99	U	0.99	2.5
Vanadium	0.24	U	0.24	1.0
Zinc	1.2	U	1.2	2.0

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Lab Control Sample - Batch: 680-177400

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 680-177400/21-A	Analysis Batch:	680-177640	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-177400	Lab File ID:	081810.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	08/19/2010 0158			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	214	107	75 - 125	
Antimony	50.0	52.4	105	75 - 125	
Arsenic	200	211	105	75 - 125	
Barium	200	216	108	75 - 125	
Beryllium	5.00	5.29	106	75 - 125	
Cadmium	5.00	5.30	106	75 - 125	
Calcium	500	541	108	75 - 125	
Chromium	20.0	21.5	107	75 - 125	
Cobalt	50.0	54.0	108	75 - 125	
Copper	25.0	26.9	108	75 - 125	
Iron	100	109	109	75 - 125	
Lead	50.0	53.8	108	75 - 125	
Magnesium	500	549	110	75 - 125	
Manganese	50.0	54.6	109	75 - 125	
Nickel	50.0	53.7	107	75 - 125	
Potassium	500	533	107	75 - 125	
Selenium	200	210	105	75 - 125	
Silver	5.00	5.37	107	75 - 125	
Sodium	500	534	107	75 - 125	
Thallium	200	219	109	75 - 125	
Vanadium	50.0	55.4	111	75 - 125	
Zinc	50.0	55.2	110	75 - 125	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Post Digestion Spike - Batch: 680-177400

Method: 6010B
Preparation: 3050B

Lab Sample ID: 680-60273-A-7-A PDS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/19/2010 0400
Date Prepared: 08/17/2010 1021

Analysis Batch: 680-177640
Prep Batch: 680-177400
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 081810.chr
Initial Weight/Volume: 1.07 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	5600		204	5710	67	75 - 125	J
Antimony	0.54	U	51.0	49.2	96	75 - 125	
Arsenic	1.5	J	204	200	97	75 - 125	
Barium	14		204	216	99	75 - 125	
Beryllium	0.30	J	5.10	5.31	98	75 - 125	
Cadmium	0.10	U	5.10	4.99	98	75 - 125	
Calcium	1100		510	1660	101	75 - 125	
Chromium	6.4		20.4	26.6	99	75 - 125	
Cobalt	3.4		51.0	54.1	99	75 - 125	
Copper	6.9		25.5	31.9	98	75 - 125	
Iron	9200		102	9180	2	75 - 125	J
Lead	12		51.0	61.7	98	75 - 125	
Magnesium	1800		510	2280	104	75 - 125	
Manganese	150		51.0	203	97	75 - 125	
Nickel	5.2		51.0	55.1	98	75 - 125	
Potassium	300		510	846	107	75 - 125	
Selenium	1.0	U	204	198	97	75 - 125	
Silver	0.098	U	5.10	4.34	85	75 - 125	
Sodium	84	U	510	524	103	75 - 125	
Thallium	1.0	U	204	205	100	75 - 125	
Vanadium	13		51.0	64.5	101	75 - 125	
Zinc	24		51.0	75.1	100	75 - 125	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-177400

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	680-60273-A-7-B MS	Analysis Batch:	680-177640	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-177400	Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Date Analyzed:	08/19/2010 0406			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

MSD Lab Sample ID:	680-60273-A-7-C MSD	Analysis Batch:	680-177640	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-177400	Lab File ID:	081810.chr
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Date Analyzed:	08/19/2010 0411			Final Weight/Volume:	100 mL
Date Prepared:	08/17/2010 1021				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	901	679	75 - 125	6	20	4	4
Antimony	91	82	75 - 125	10	20		
Arsenic	102	101	75 - 125	1	20		
Barium	106	105	75 - 125	0	20		
Beryllium	104	103	75 - 125	1	20		
Cadmium	103	103	75 - 125	0	20		
Calcium	163	121	75 - 125	11	20	J	
Chromium	111	107	75 - 125	3	20		
Cobalt	106	105	75 - 125	1	20		
Copper	107	106	75 - 125	1	20		
Iron	1790	661	75 - 125	11	20	4	4
Lead	102	103	75 - 125	1	20		
Magnesium	235	127	75 - 125	20	20	J	J
Manganese	161	103	75 - 125	13	20	J	
Nickel	106	104	75 - 125	2	20		
Potassium	114	110	75 - 125	2	20		
Selenium	102	101	75 - 125	0	20		
Silver	107	104	75 - 125	2	20		
Sodium	103	106	75 - 125	2	20		
Thallium	105	105	75 - 125	0	20		
Vanadium	112	108	75 - 125	3	20		
Zinc	114	110	75 - 125	2	20		

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-177400

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	680-60273-A-7-B MS	Units: mg/Kg	MSD Lab Sample ID:	680-60273-A-7-C MSD	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Date Analyzed:	08/19/2010 0406		Date Analyzed:	08/19/2010 0411	
Date Prepared:	08/17/2010 1021		Date Prepared:	08/17/2010 1021	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aluminum	5600		204	204	7410	4	6960	4
Antimony	0.54	U	51.0	51.0	46.4		41.9	
Arsenic	1.5	J	204	204	210		207	
Barium	14		204	204	230		229	
Beryllium	0.30	J	5.10	5.10	5.61		5.57	
Cadmium	0.10	U	5.10	5.10	5.24		5.23	
Calcium	1100		510	510	1970	J	1760	
Chromium	6.4		20.4	20.4	29.1		28.2	
Cobalt	3.4		51.0	51.0	57.3		56.8	
Copper	6.9		25.5	25.5	34.3		33.9	
Iron	9200		102	102	11000	4	9850	4
Lead	12		51.0	51.0	64.0		64.4	
Magnesium	1800		510	510	2950	J	2410	J
Manganese	150		51.0	51.0	235	J	206	
Nickel	5.2		51.0	51.0	59.2		58.0	
Potassium	300		510	510	883		862	
Selenium	1.0	U	204	204	207		207	
Silver	0.098	U	5.10	5.10	5.46		5.32	
Sodium	84	U	510	510	527		541	
Thallium	1.0	U	204	204	214		213	
Vanadium	13		51.0	51.0	70.4		68.0	
Zinc	24		51.0	51.0	82.0		80.3	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Serial Dilution - Batch: 680-177400

Method: 6010B
Preparation: 3050B

Lab Sample ID: 680-60273-A-7-A SD
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 08/19/2010 0355
Date Prepared: 08/17/2010 1021

Analysis Batch: 680-177640
Prep Batch: 680-177400
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 081810.chr
Initial Weight/Volume: 1.07 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	5600		5500	1.3	10	
Antimony	0.54	U	2.7	NC	10	U
Arsenic	1.5	J	3.0	NC	10	U
Barium	14		14.3	NC	10	
Beryllium	0.30	J	0.344	NC	10	J
Cadmium	0.10	U	0.51	NC	10	U
Calcium	1100		1150	0.63	10	
Chromium	6.4		6.52	NC	10	
Cobalt	3.4		3.44	NC	10	J
Copper	6.9		6.63	NC	10	J
Iron	9200		9190	0.10	10	
Lead	12		12.0	NC	10	
Magnesium	1800		1750	0.18	10	
Manganese	150		154	0.20	10	
Nickel	5.2		4.55	NC	10	J
Potassium	300		289	NC	10	J
Selenium	1.0	U	5.1	NC	10	U
Silver	0.098	U	0.49	NC	10	U
Sodium	84	U	420	NC	10	U
Thallium	1.0	U	5.0	NC	10	U
Vanadium	13		13.5	2.8	10	
Zinc	24		24.6	NC	10	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Lab Control Sample - Batch: 680-177671

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 680-177671/2-A	Analysis Batch:	680-177825	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-177671	Lab File ID:	b082010c.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.54 g
Date Analyzed:	08/20/2010 1510			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.231	0.265	115	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-177671

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	680-60144-B-1-E MS	Analysis Batch:	680-177825	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-177671	Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	08/20/2010 1516			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

MSD Lab Sample ID:	680-60144-B-1-F MSD	Analysis Batch:	680-177825	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-177671	Lab File ID:	b082010c.chr
Dilution:	1.0			Initial Weight/Volume:	0.54 g
Date Analyzed:	08/20/2010 1519			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2010 1322				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	91	87	80 - 120	6	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-177671

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	680-60144-B-1-E MS	Units:	mg/Kg	MSD Lab Sample ID:	680-60144-B-1-F MSD
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	08/20/2010 1516			Date Analyzed:	08/20/2010 1519
Date Prepared:	08/19/2010 1322			Date Prepared:	08/19/2010 1322

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.041	0.147	0.141	0.175	0.164

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	U	Undetected at the Limit of Detection.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-177400					
LCS 680-177400/21-A	Lab Control Sample	T	Solid	3050B	
MB 680-177400/20-A	Method Blank	T	Solid	3050B	
680-60273-1	67495-1 FDS4-1	T	Solid	3050B	
680-60273-2	67495-2 FDS4-2	T	Solid	3050B	
680-60273-3	67495-3 FDS4-3	T	Solid	3050B	
680-60273-4	67495-4 FDS4-4	T	Solid	3050B	
680-60273-5	67495-5 FDS-4-3-D	T	Solid	3050B	
680-60273-A-7-B MS	Matrix Spike	T	Solid	3050B	
680-60273-A-7-C MSD	Matrix Spike Duplicate	T	Solid	3050B	
Analysis Batch:680-177640					
LCS 680-177400/21-A	Lab Control Sample	T	Solid	6010B	680-177400
MB 680-177400/20-A	Method Blank	T	Solid	6010B	680-177400
680-60273-1	67495-1 FDS4-1	T	Solid	6010B	680-177400
680-60273-2	67495-2 FDS4-2	T	Solid	6010B	680-177400
680-60273-3	67495-3 FDS4-3	T	Solid	6010B	680-177400
680-60273-4	67495-4 FDS4-4	T	Solid	6010B	680-177400
680-60273-5	67495-5 FDS-4-3-D	T	Solid	6010B	680-177400
680-60273-A-7-B MS	Matrix Spike	T	Solid	6010B	680-177400
680-60273-A-7-C MSD	Matrix Spike Duplicate	T	Solid	6010B	680-177400
Prep Batch: 680-177671					
LCS 680-177671/2-A	Lab Control Sample	T	Solid	7471A	
680-60144-B-1-E MS	Matrix Spike	T	Solid	7471A	
680-60144-B-1-F MSD	Matrix Spike Duplicate	T	Solid	7471A	
680-60273-1	67495-1 FDS4-1	T	Solid	7471A	
680-60273-2	67495-2 FDS4-2	T	Solid	7471A	
680-60273-3	67495-3 FDS4-3	T	Solid	7471A	
680-60273-4	67495-4 FDS4-4	T	Solid	7471A	
680-60273-5	67495-5 FDS-4-3-D	T	Solid	7471A	
Analysis Batch:680-177825					
LCS 680-177671/2-A	Lab Control Sample	T	Solid	7471A	680-177671
680-60144-B-1-E MS	Matrix Spike	T	Solid	7471A	680-177671
680-60144-B-1-F MSD	Matrix Spike Duplicate	T	Solid	7471A	680-177671
680-60273-1	67495-1 FDS4-1	T	Solid	7471A	680-177671
680-60273-2	67495-2 FDS4-2	T	Solid	7471A	680-177671
680-60273-3	67495-3 FDS4-3	T	Solid	7471A	680-177671
680-60273-4	67495-4 FDS4-4	T	Solid	7471A	680-177671
680-60273-5	67495-5 FDS-4-3-D	T	Solid	7471A	680-177671

Report Basis
T = Total

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
Sdg Number: 67495

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-177393					
680-60144-B-1 MS	Matrix Spike	T	Solid	Moisture	
680-60144-B-1 MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-60273-1	67495-1 FDS4-1	T	Solid	Moisture	
680-60273-2	67495-2 FDS4-2	T	Solid	Moisture	
680-60273-3	67495-3 FDS4-3	T	Solid	Moisture	
680-60273-4	67495-4 FDS4-4	T	Solid	Moisture	
680-60273-5	67495-5 FDS-4-3-D	T	Solid	Moisture	

Report Basis
T = Total

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
SDG: 67495

Laboratory Chronicle

Lab ID: **680-60273-1** **Client ID:** **67495-1 FDS4-1**

Sample Date/Time: 08/11/2010 08:20 Received Date/Time: 08/12/2010 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-60273-A-1-A		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	680-60273-A-1-A		680-177640	680-177400	08/19/2010 03:07	1	TAL SAV	BCB
P:7471A	680-60273-A-1-B		680-177825	680-177671	08/19/2010 13:22	1	TAL SAV	JV
A:7471A	680-60273-A-1-B		680-177825	680-177671	08/20/2010 15:45	1	TAL SAV	CE
A:Moisture	680-60273-A-1		680-177393		08/17/2010 09:47	1	TAL SAV	HM

Lab ID: **680-60273-2** **Client ID:** **67495-2 FDS4-2**

Sample Date/Time: 08/11/2010 09:00 Received Date/Time: 08/12/2010 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-60273-A-2-A		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	680-60273-A-2-A		680-177640	680-177400	08/19/2010 03:12	1	TAL SAV	BCB
P:7471A	680-60273-A-2-B		680-177825	680-177671	08/19/2010 13:22	1	TAL SAV	JV
A:7471A	680-60273-A-2-B		680-177825	680-177671	08/20/2010 15:48	1	TAL SAV	CE
A:Moisture	680-60273-A-2		680-177393		08/17/2010 09:47	1	TAL SAV	HM

Lab ID: **680-60273-3** **Client ID:** **67495-3 FDS4-3**

Sample Date/Time: 08/11/2010 09:50 Received Date/Time: 08/12/2010 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-60273-A-3-A		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	680-60273-A-3-A		680-177640	680-177400	08/19/2010 03:28	1	TAL SAV	BCB
P:7471A	680-60273-A-3-B		680-177825	680-177671	08/19/2010 13:22	1	TAL SAV	JV
A:7471A	680-60273-A-3-B		680-177825	680-177671	08/20/2010 15:51	1	TAL SAV	CE
A:Moisture	680-60273-A-3		680-177393		08/17/2010 09:47	1	TAL SAV	HM

Lab ID: **680-60273-4** **Client ID:** **67495-4 FDS4-4**

Sample Date/Time: 08/11/2010 11:10 Received Date/Time: 08/12/2010 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-60273-A-4-A		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	680-60273-A-4-A		680-177640	680-177400	08/19/2010 03:34	1	TAL SAV	BCB
P:7471A	680-60273-A-4-B		680-177825	680-177671	08/19/2010 13:22	1	TAL SAV	JV
A:7471A	680-60273-A-4-B		680-177825	680-177671	08/20/2010 15:55	1	TAL SAV	CE
A:Moisture	680-60273-A-4		680-177393		08/17/2010 09:47	1	TAL SAV	HM

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
SDG: 67495

Laboratory Chronicle

Lab ID: **680-60273-5** **Client ID:** **67495-5 FDS-4-3-D**

Sample Date/Time: 08/11/2010 09:50 Received Date/Time: 08/12/2010 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-60273-A-5-A		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	680-60273-A-5-A		680-177640	680-177400	08/19/2010 03:39	1	TAL SAV	BCB
P:7471A	680-60273-A-5-B		680-177825	680-177671	08/19/2010 13:22	1	TAL SAV	JV
A:7471A	680-60273-A-5-B		680-177825	680-177671	08/20/2010 15:58	1	TAL SAV	CE
A:Moisture	680-60273-A-5		680-177393		08/17/2010 09:47	1	TAL SAV	HM

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	MB 680-177400/20-A		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	MB 680-177400/20-A		680-177640	680-177400	08/19/2010 01:53	1	TAL SAV	BCB

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCS 680-177400/21-A		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	LCS 680-177400/21-A		680-177640	680-177400	08/19/2010 01:58	1	TAL SAV	BCB
P:7471A	LCS 680-177671/2-A		680-177825	680-177671	08/19/2010 13:22	1	TAL SAV	JV
A:7471A	LCS 680-177671/2-A		680-177825	680-177671	08/20/2010 15:10	1	TAL SAV	CE

Lab ID: **MS** **Client ID:** **N/A**

Sample Date/Time: 08/10/2010 13:50 Received Date/Time: 08/12/2010 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-60273-A-7-B MS		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	680-60273-A-7-B MS		680-177640	680-177400	08/19/2010 04:06	1	TAL SAV	BCB
P:7471A	680-60144-B-1-E MS		680-177825	680-177671	08/19/2010 13:22	1	TAL SAV	JV
A:7471A	680-60144-B-1-E MS		680-177825	680-177671	08/20/2010 15:16	1	TAL SAV	CE
A:Moisture	680-60144-B-1 MS		680-177393		08/17/2010 09:47	1	TAL SAV	HM

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-60273-1
SDG: 67495

Laboratory Chronicle

Lab ID: **MSD** **Client ID:** **N/A**

Sample Date/Time: 08/10/2010 13:50 Received Date/Time: 08/12/2010 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-60273-A-7-C MSD		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	680-60273-A-7-C MSD		680-177640	680-177400	08/19/2010 04:11	1	TAL SAV	BCB
P:7471A	680-60144-B-1-F MSD		680-177825	680-177671	08/19/2010 13:22	1	TAL SAV	JV
A:7471A	680-60144-B-1-F MSD		680-177825	680-177671	08/20/2010 15:19	1	TAL SAV	CE
A:Moisture	680-60144-B-1 MSD		680-177393		08/17/2010 09:47	1	TAL SAV	HM

Lab ID: **SD** **Client ID:** **N/A**

Sample Date/Time: 08/10/2010 13:50 Received Date/Time: 08/12/2010 08:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-60273-A-7-A SD		680-177640	680-177400	08/17/2010 10:21	5	TAL SAV	HM
A:6010B	680-60273-A-7-A SD		680-177640	680-177400	08/19/2010 03:55	5	TAL SAV	BCB
P:3050B	680-60273-A-7-A PDS		680-177640	680-177400	08/17/2010 10:21	1	TAL SAV	HM
A:6010B	680-60273-A-7-A PDS		680-177640	680-177400	08/19/2010 04:00	1	TAL SAV	BCB

Lab References:
TAL SAV = TestAmerica Savannah

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-60273-1

SDG No.: 67495

Project: NASOWEY

Client Sample ID	Lab Sample ID
67495-1 FDS4-1	680-60273-1
67495-2 FDS4-2	680-60273-2
67495-3 FDS4-3	680-60273-3
67495-4 FDS4-4	680-60273-4
67495-5 FDS-4-3-D	680-60273-5

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 67495-1 FDS4-1
Lab Sample ID: 680-60273-1
Lab Name: TestAmerica Savannah
Job No.: 680-60273-1
SDG ID.: 67495
Matrix: Solid
Date Sampled: 08/11/2010 08:20
Reporting Basis: DRY
Date Received: 08/12/2010 08:50
% Solids: 89.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5300	21	10	mg/Kg			1	6010B
7440-36-0	Antimony	0.55	2.1	0.55	mg/Kg	U		1	6010B
7440-38-2	Arsenic	2.4	2.1	0.61	mg/Kg			1	6010B
7440-39-3	Barium	20	1.0	0.31	mg/Kg			1	6010B
7440-41-7	Beryllium	0.52	0.41	0.021	mg/Kg			1	6010B
7440-43-9	Cadmium	0.10	0.51	0.10	mg/Kg	U		1	6010B
7440-70-2	Calcium	1700	51	21	mg/Kg			1	6010B
7440-47-3	Chromium	8.0	1.0	0.51	mg/Kg			1	6010B
7440-48-4	Cobalt	3.9	1.0	0.12	mg/Kg			1	6010B
7440-50-8	Copper	9.8	2.6	1.1	mg/Kg			1	6010B
7439-89-6	Iron	9700	21	7.2	mg/Kg			1	6010B
7439-92-1	Lead	4.2	1.0	0.55	mg/Kg			1	6010B
7439-95-4	Magnesium	2300	51	2.5	mg/Kg			1	6010B
7439-96-5	Manganese	120	1.0	0.31	mg/Kg			1	6010B
7440-02-0	Nickel	6.1	4.1	0.32	mg/Kg			1	6010B
7440-09-7	Potassium	430	100	8.2	mg/Kg			1	6010B
7782-49-2	Selenium	1.0	2.6	1.0	mg/Kg	U		1	6010B
7440-22-4	Silver	0.099	1.0	0.099	mg/Kg	U		1	6010B
7440-23-5	Sodium	84	210	84	mg/Kg	U		1	6010B
7440-28-0	Thallium	1.0	2.6	1.0	mg/Kg	U		1	6010B
7440-62-2	Vanadium	17	1.0	0.25	mg/Kg			1	6010B
7440-66-6	Zinc	28	2.1	1.2	mg/Kg			1	6010B
7439-97-6	Mercury	0.0099	0.022	0.0088	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 67495-2 FDS4-2
Lab Sample ID: 680-60273-2
Lab Name: TestAmerica Savannah
Job No.: 680-60273-1
SDG ID.: 67495
Matrix: Solid
Date Sampled: 08/11/2010 09:00
Reporting Basis: DRY
Date Received: 08/12/2010 08:50
% Solids: 89.0

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4400	21	10	mg/Kg			1	6010B
7440-36-0	Antimony	0.55	2.1	0.55	mg/Kg	U		1	6010B
7440-38-2	Arsenic	1.4	2.1	0.61	mg/Kg	J		1	6010B
7440-39-3	Barium	19	1.0	0.31	mg/Kg			1	6010B
7440-41-7	Beryllium	0.49	0.42	0.021	mg/Kg			1	6010B
7440-43-9	Cadmium	0.10	0.52	0.10	mg/Kg	U		1	6010B
7440-70-2	Calcium	1400	52	21	mg/Kg			1	6010B
7440-47-3	Chromium	6.3	1.0	0.52	mg/Kg			1	6010B
7440-48-4	Cobalt	2.1	1.0	0.12	mg/Kg			1	6010B
7440-50-8	Copper	5.5	2.6	1.1	mg/Kg			1	6010B
7439-89-6	Iron	9500	21	7.3	mg/Kg			1	6010B
7439-92-1	Lead	5.6	1.0	0.55	mg/Kg			1	6010B
7439-95-4	Magnesium	1400	52	2.5	mg/Kg			1	6010B
7439-96-5	Manganese	120	1.0	0.31	mg/Kg			1	6010B
7440-02-0	Nickel	5.2	4.2	0.32	mg/Kg			1	6010B
7440-09-7	Potassium	440	100	8.3	mg/Kg			1	6010B
7782-49-2	Selenium	1.0	2.6	1.0	mg/Kg	U		1	6010B
7440-22-4	Silver	0.10	1.0	0.10	mg/Kg	U		1	6010B
7440-23-5	Sodium	85	210	85	mg/Kg	U		1	6010B
7440-28-0	Thallium	1.0	2.6	1.0	mg/Kg	U		1	6010B
7440-62-2	Vanadium	13	1.0	0.25	mg/Kg			1	6010B
7440-66-6	Zinc	31	2.1	1.2	mg/Kg			1	6010B
7439-97-6	Mercury	0.0087	0.021	0.0087	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 67495-3 FDS4-3
Lab Sample ID: 680-60273-3
Lab Name: TestAmerica Savannah
Job No.: 680-60273-1
SDG ID.: 67495
Matrix: Solid
Date Sampled: 08/11/2010 09:50
Reporting Basis: DRY
Date Received: 08/12/2010 08:50
% Solids: 89.3

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9200	22	11	mg/Kg			1	6010B
7440-36-0	Antimony	0.59	2.2	0.59	mg/Kg	U		1	6010B
7440-38-2	Arsenic	1.6	2.2	0.66	mg/Kg	J		1	6010B
7440-39-3	Barium	26	1.1	0.34	mg/Kg			1	6010B
7440-41-7	Beryllium	0.53	0.45	0.022	mg/Kg			1	6010B
7440-43-9	Cadmium	0.11	0.56	0.11	mg/Kg	U		1	6010B
7440-70-2	Calcium	1800	56	22	mg/Kg			1	6010B
7440-47-3	Chromium	11	1.1	0.56	mg/Kg			1	6010B
7440-48-4	Cobalt	4.3	1.1	0.13	mg/Kg			1	6010B
7440-50-8	Copper	5.1	2.8	1.2	mg/Kg			1	6010B
7439-89-6	Iron	13000	22	7.8	mg/Kg			1	6010B
7439-92-1	Lead	6.2	1.1	0.59	mg/Kg			1	6010B
7439-95-4	Magnesium	3500	56	2.7	mg/Kg			1	6010B
7439-96-5	Manganese	200	1.1	0.34	mg/Kg			1	6010B
7440-02-0	Nickel	8.1	4.5	0.35	mg/Kg			1	6010B
7440-09-7	Potassium	470	110	9.0	mg/Kg			1	6010B
7782-49-2	Selenium	1.1	2.8	1.1	mg/Kg	U		1	6010B
7440-22-4	Silver	0.11	1.1	0.11	mg/Kg	U		1	6010B
7440-23-5	Sodium	92	220	92	mg/Kg	U		1	6010B
7440-28-0	Thallium	1.1	2.8	1.1	mg/Kg	U		1	6010B
7440-62-2	Vanadium	17	1.1	0.27	mg/Kg			1	6010B
7440-66-6	Zinc	37	2.2	1.3	mg/Kg			1	6010B
7439-97-6	Mercury	0.014	0.022	0.0088	mg/Kg	J		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 67495-4 FDS4-4
Lab Sample ID: 680-60273-4
Lab Name: TestAmerica Savannah
Job No.: 680-60273-1
SDG ID.: 67495
Matrix: Solid
Date Sampled: 08/11/2010 11:10
Reporting Basis: DRY
Date Received: 08/12/2010 08:50
% Solids: 92.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5300	21	10	mg/Kg			1	6010B
7440-36-0	Antimony	0.55	2.1	0.55	mg/Kg	U		1	6010B
7440-38-2	Arsenic	1.3	2.1	0.61	mg/Kg	J		1	6010B
7440-39-3	Barium	17	1.0	0.31	mg/Kg			1	6010B
7440-41-7	Beryllium	0.42	0.41	0.021	mg/Kg			1	6010B
7440-43-9	Cadmium	0.10	0.52	0.10	mg/Kg	U		1	6010B
7440-70-2	Calcium	1100	52	21	mg/Kg			1	6010B
7440-47-3	Chromium	7.0	1.0	0.52	mg/Kg			1	6010B
7440-48-4	Cobalt	2.8	1.0	0.12	mg/Kg			1	6010B
7440-50-8	Copper	5.6	2.6	1.1	mg/Kg			1	6010B
7439-89-6	Iron	9800	21	7.2	mg/Kg			1	6010B
7439-92-1	Lead	4.2	1.0	0.55	mg/Kg			1	6010B
7439-95-4	Magnesium	2000	52	2.5	mg/Kg			1	6010B
7439-96-5	Manganese	150	1.0	0.31	mg/Kg			1	6010B
7440-02-0	Nickel	4.5	4.1	0.32	mg/Kg			1	6010B
7440-09-7	Potassium	370	100	8.3	mg/Kg			1	6010B
7782-49-2	Selenium	1.0	2.6	1.0	mg/Kg	U		1	6010B
7440-22-4	Silver	0.099	1.0	0.099	mg/Kg	U		1	6010B
7440-23-5	Sodium	85	210	85	mg/Kg	U		1	6010B
7440-28-0	Thallium	1.0	2.6	1.0	mg/Kg	U		1	6010B
7440-62-2	Vanadium	17	1.0	0.25	mg/Kg			1	6010B
7440-66-6	Zinc	25	2.1	1.2	mg/Kg			1	6010B
7439-97-6	Mercury	0.0089	0.022	0.0089	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 67495-5 FDS-4-3-D
Lab Sample ID: 680-60273-5
Lab Name: TestAmerica Savannah
Job No.: 680-60273-1
SDG ID.: 67495
Matrix: Solid
Date Sampled: 08/11/2010 09:50
Reporting Basis: DRY
Date Received: 08/12/2010 08:50
% Solids: 90.1

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5500	22	11	mg/Kg			1	6010B
7440-36-0	Antimony	0.57	2.2	0.57	mg/Kg	U		1	6010B
7440-38-2	Arsenic	0.98	2.2	0.64	mg/Kg	J		1	6010B
7440-39-3	Barium	21	1.1	0.32	mg/Kg			1	6010B
7440-41-7	Beryllium	0.46	0.43	0.022	mg/Kg			1	6010B
7440-43-9	Cadmium	0.11	0.54	0.11	mg/Kg	U		1	6010B
7440-70-2	Calcium	1200	54	22	mg/Kg			1	6010B
7440-47-3	Chromium	6.7	1.1	0.54	mg/Kg			1	6010B
7440-48-4	Cobalt	3.1	1.1	0.13	mg/Kg			1	6010B
7440-50-8	Copper	4.5	2.7	1.2	mg/Kg			1	6010B
7439-89-6	Iron	8200	22	7.5	mg/Kg			1	6010B
7439-92-1	Lead	6.5	1.1	0.57	mg/Kg			1	6010B
7439-95-4	Magnesium	1900	54	2.6	mg/Kg			1	6010B
7439-96-5	Manganese	130	1.1	0.32	mg/Kg			1	6010B
7440-02-0	Nickel	4.9	4.3	0.33	mg/Kg			1	6010B
7440-09-7	Potassium	440	110	8.6	mg/Kg			1	6010B
7782-49-2	Selenium	1.1	2.7	1.1	mg/Kg	U		1	6010B
7440-22-4	Silver	0.10	1.1	0.10	mg/Kg	U		1	6010B
7440-23-5	Sodium	88	220	88	mg/Kg	U		1	6010B
7440-28-0	Thallium	1.1	2.7	1.1	mg/Kg	U		1	6010B
7440-62-2	Vanadium	13	1.1	0.26	mg/Kg			1	6010B
7440-66-6	Zinc	25	2.2	1.3	mg/Kg			1	6010B
7439-97-6	Mercury	0.013	0.021	0.0086	mg/Kg	J		1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	ICV 680-177640/4 08/18/2010 17:20				CCV 680-177640/9 08/18/2010 17:45				CCV 680-177640/90 08/19/2010 01:09			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	1030		1000	103	5100		5000	102	5000		5000	100
Antimony	996		1000	100	518		500	104	490		500	98
Arsenic	1040		1000	104	516		500	103	495		500	99
Barium	1020		1000	102	5180		5000	104	4960		5000	99
Beryllium	1030		1000	103	521		500	104	494		500	99
Cadmium	1040		1000	104	520		500	104	490		500	98
Calcium	1060		1000	106	5360		5000	107	5130		5000	103
Chromium	1040		1000	104	5210		5000	104	4970		5000	99
Cobalt	1030		1000	103	519		500	104	501		500	100
Copper	1020		1000	102	5120		5000	102	4950		5000	99
Iron	1020		1000	102	5210		5000	104	4990		5000	100
Lead	1040		1000	104	526		500	105	504		500	101
Magnesium	1070		1000	107	5350		5000	107	5210		5000	104
Manganese	1040		1000	104	5230		5000	105	5050		5000	101
Nickel	1040		1000	104	2590		2500	104	2500		2500	100
Potassium	20200		20000	101	10300		10000	103	10300		10000	103
Selenium	1050		1000	105	5230		5000	105	4910		5000	98
Silver	1010		1000	101	516		500	103	495		500	99
Sodium	10200		10000	102	7630		7500	102	7670		7500	102
Thallium	1030		1000	103	5220		5000	104	4950		5000	99
Vanadium	1050		1000	105	5350		5000	107	5200		5000	104
Zinc	1050		1000	105	2630		2500	105	2550		2500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	CCV 680-177640/102 08/19/2010 02:14				CCV 680-177640/114 08/19/2010 03:18				CCV 680-177640/125 08/19/2010 04:19			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	5030		5000	101	4980		5000	100	5040		5000	101
Antimony	497		500	99	488		500	98	497		500	99
Arsenic	501		500	100	494		500	99	504		500	101
Barium	4970		5000	99	4970		5000	99	5030		5000	101
Beryllium	498		500	100	497		500	99	504		500	101
Cadmium	492		500	98	493		500	99	498		500	100
Calcium	5210		5000	104	5130		5000	103	5190		5000	104
Chromium	5000		5000	100	4990		5000	100	5050		5000	101
Cobalt	503		500	101	501		500	100	508		500	102
Copper	4960		5000	99	4960		5000	99	5020		5000	100
Iron	4990		5000	100	4980		5000	100	5040		5000	101
Lead	508		500	102	507		500	101	512		500	102
Magnesium	5230		5000	105	5200		5000	104	5270		5000	105
Manganese	5070		5000	101	5060		5000	101	5120		5000	102
Nickel	2510		2500	100	2500		2500	100	2530		2500	101
Potassium	10400		10000	104	10300		10000	103	10500		10000	105
Selenium	4950		5000	99	4920		5000	98	4970		5000	99
Silver	497		500	99	497		500	99	504		500	101
Sodium	7620		7500	102	7540		7500	101	7630		7500	102
Thallium	4970		5000	99	4970		5000	99	5040		5000	101
Vanadium	5210		5000	104	5180		5000	104	5250		5000	105
Zinc	2560		2500	102	2540		2500	102	2570		2500	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	CCV 680-177640/132 08/19/2010 09:50				CCV 680-177640/140 08/19/2010 10:47							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4920		5000	98	4920		5000	98				
Antimony	481		500	96	494		500	99				
Arsenic	494		500	99	492		500	98				
Barium	4850		5000	97	4940		5000	99				
Beryllium	485		500	97	495		500	99				
Cadmium	478		500	96	491		500	98				
Calcium	5040		5000	101	5140		5000	103				
Chromium	4870		5000	97	4970		5000	99				
Cobalt	491		500	98	500		500	100				
Copper	4860		5000	97	4920		5000	98				
Iron	4860		5000	97	4970		5000	99				
Lead	494		500	99	503		500	101				
Magnesium	5110		5000	102	5190		5000	104				
Manganese	4940		5000	99	5020		5000	100				
Nickel	2450		2500	98	2500		2500	100				
Potassium	10200		10000	102	10300		10000	103				
Selenium	4800		5000	96	4900		5000	98				
Silver	486		500	97	493		500	99				
Sodium	7370		7500	98	7470		7500	100				
Thallium	4840		5000	97	4950		5000	99				
Vanadium	5090		5000	102	5160		5000	103				
Zinc	2500		2500	100	2540		2500	102				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

ICV Source: HG_ICV_std_00101 Concentration Units: ug/L

CCV Source: HG_CCV_std_00114

Analyte	ICV 680-177825/8 08/20/2010 13:26				CCV 680-177825/11 08/20/2010 13:38				CCV 680-177825/23 08/20/2010 14:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.72		3.00	91	2.19		2.50	88	2.54		2.50	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

ICV Source: HG_ICV_std_00101 Concentration Units: ug/L

CCV Source: HG_CCV_std_00114

Analyte	CCV 680-177825/35 08/20/2010 14:50				CCV 680-177825/47 08/20/2010 15:24				CCV 680-177825/59 08/20/2010 16:01			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.60		2.50	104	2.60		2.50	104	2.65		2.50	106

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Analysis Method: 6010B Instrument ID: ICPD

Lab Sample ID: CRI 680-177640/6 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00044

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	205		103	50-150
Antimony	20.0	19.5	J	98	50-150
Arsenic	20.0	20.4		102	50-150
Barium	10.0	10.3		103	50-150
Beryllium	4.00	4.06		102	50-150
Cadmium	5.00	4.84	J	97	50-150
Calcium	500	514		103	50-150
Chromium	10.0	10.3		103	50-150
Cobalt	10.0	11.0		110	50-150
Copper	20.0	20.9		105	50-150
Iron	50.0	70	U	92	50-150
Lead	10.0	9.19	J	92	50-150
Magnesium	500	526		105	50-150
Manganese	10.0	10.3		103	50-150
Nickel	40.0	40.3		101	50-150
Potassium	1000	1000		100	50-150
Selenium	20.0	22.6	J	113	50-150
Silver	10.0	10.4		104	50-150
Sodium	1000	926	J	93	50-150
Thallium	25.0	25.7		103	50-150
Vanadium	10.0	10.2		102	50-150
Zinc	20.0	21.0		105	50-150

Lab Sample ID: CRI 680-177640/137 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00044

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	179	J	90	50-150
Antimony	20.0	16.8	J	84	50-150
Arsenic	20.0	20.8		104	50-150
Barium	10.0	10.2		102	50-150
Beryllium	4.00	4.10		103	50-150
Cadmium	5.00	4.96	J	99	50-150
Calcium	500	518		104	50-150
Chromium	10.0	9.96	J	100	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Analysis Method: 6010B Instrument ID: ICPD

Lab Sample ID: CRI 680-177640/137 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00044

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Cobalt	10.0	10.7		107	50-150
Copper	20.0	21.1		105	50-150
Iron	50.0	70	U	80	50-150
Lead	10.0	8.37	J	84	50-150
Magnesium	500	530		106	50-150
Manganese	10.0	10.2		102	50-150
Nickel	40.0	41.8		104	50-150
Potassium	1000	1030		103	50-150
Selenium	20.0	20.2	J	101	50-150
Silver	10.0	10.7		107	50-150
Sodium	1000	1090	J	109	50-150
Thallium	25.0	23.1	J	92	50-150
Vanadium	10.0	10.4		104	50-150
Zinc	20.0	20.7		103	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Analysis Method: 7471A Instrument ID: LEEMAN1

Lab Sample ID: CRA 680-177825/13 Concentration Units: ug/L

CRQL Check Standard Source: HG_0.2_std_00101

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.196	J	98	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Concentration Units: ug/L

Analyte	RL	ICB 680-177640/5 08/18/2010 17:27		CCB 680-177640/10 08/18/2010 17:57		CCB 680-177640/91 08/19/2010 01:14		CCB 680-177640/103 08/19/2010 02:19	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	100	U	100	U	100	U	100	U
Antimony	20	5.3	U	5.3	U	5.3	U	5.3	U
Arsenic	20	5.9	U	5.9	U	5.9	U	5.9	U
Barium	10	3.0	U	3.0	U	3.0	U	3.0	U
Beryllium	4.0	0.20	U	0.20	U	0.228	J	0.205	J
Cadmium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	500	200	U	200	U	200	U	200	U
Chromium	10	5.0	U	5.0	U	5.0	U	5.0	U
Cobalt	10	1.2	U	1.2	U	1.2	U	1.2	U
Copper	20	11	U	11	U	11	U	11	U
Iron	200	70	U	70	U	70	U	70	U
Lead	10	5.3	U	5.3	U	5.3	U	5.3	U
Magnesium	500	24	U	24	U	24	U	24	U
Manganese	10	3.0	U	3.0	U	3.0	U	3.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	1000	80	U	80	U	80	U	80	U
Selenium	25	10	U	10	U	10	U	10	U
Silver	10	0.96	U	0.96	U	0.96	U	0.96	U
Sodium	2000	820	U	820	U	820	U	820	U
Thallium	25	9.9	U	9.9	U	9.9	U	9.9	U
Vanadium	10	2.4	U	2.4	U	2.4	U	2.4	U
Zinc	20	12	U	12	U	12	U	12	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Concentration Units: ug/L

Analyte	RL	CCB 680-177640/115 08/19/2010 03:23		CCB 680-177640/126 08/19/2010 04:25		CCB 680-177640/133 08/19/2010 09:58		CCB 680-177640/141 08/19/2010 10:52	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	100	U	100	U	100	U	100	U
Antimony	20	5.3	U	5.3	U	5.3	U	5.3	U
Arsenic	20	5.9	U	5.9	U	5.9	U	5.9	U
Barium	10	3.0	U	3.0	U	3.0	U	3.0	U
Beryllium	4.0	0.204	J	0.230	J	0.20	U	0.20	U
Cadmium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	500	200	U	200	U	200	U	200	U
Chromium	10	5.0	U	5.0	U	5.0	U	5.0	U
Cobalt	10	1.2	U	1.2	U	1.2	U	1.2	U
Copper	20	11	U	11	U	11	U	11	U
Iron	200	70	U	70	U	70	U	70	U
Lead	10	5.3	U	5.3	U	5.3	U	5.3	U
Magnesium	500	24	U	24	U	24	U	24	U
Manganese	10	3.0	U	3.0	U	3.0	U	3.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	1000	80	U	80	U	80	U	80	U
Selenium	25	10	U	10	U	10	U	10	U
Silver	10	0.96	U	0.96	U	0.96	U	0.96	U
Sodium	2000	820	U	820	U	820	U	820	U
Thallium	25	9.9	U	9.9	U	9.9	U	9.9	U
Vanadium	10	2.4	U	2.4	U	2.4	U	2.4	U
Zinc	20	12	U	12	U	12	U	12	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Concentration Units: ug/L

Analyte	RL	ICB 680-177825/9 08/20/2010 13:29		CCB 680-177825/12 08/20/2010 13:41		CCB 680-177825/24 08/20/2010 14:16		CCB 680-177825/36 08/20/2010 14:52	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.080	U	0.080	U	0.080	U	0.080	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Concentration Units: ug/L

Analyte	RL	CCB 680-177825/48 08/20/2010 15:27		CCB 680-177825/60 08/20/2010 16:04					
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.080	U	0.080	U				

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Concentration Units: mg/Kg Lab Sample ID: MB 680-177400/20-A

Instrument Code: ICPD Batch No.: 177640

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	10	U		6010B
7440-36-0	Antimony	0.53	U		6010B
7440-38-2	Arsenic	0.59	U		6010B
7440-39-3	Barium	0.30	U		6010B
7440-41-7	Beryllium	0.020	U		6010B
7440-43-9	Cadmium	0.10	U		6010B
7440-70-2	Calcium	20	U		6010B
7440-47-3	Chromium	0.50	U		6010B
7440-48-4	Cobalt	0.121	J		6010B
7440-50-8	Copper	1.1	U		6010B
7439-89-6	Iron	7.0	U		6010B
7439-92-1	Lead	0.53	U		6010B
7439-95-4	Magnesium	2.4	U		6010B
7439-96-5	Manganese	0.30	U		6010B
7440-02-0	Nickel	0.31	U		6010B
7440-09-7	Potassium	8.0	U		6010B
7782-49-2	Selenium	1.0	U		6010B
7440-22-4	Silver	0.096	U		6010B
7440-23-5	Sodium	82	U		6010B
7440-28-0	Thallium	0.99	U		6010B
7440-62-2	Vanadium	0.24	U		6010B
7440-66-6	Zinc	1.2	U		6010B

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Lab Sample ID: ICSA 680-177640/7 Instrument ID: ICPD

Lab File ID: 081810.chr ICS Source: P_ICSA_wk_00021

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**540528**	**108**
Antimony		**2.37**	
Arsenic		**1.37**	
Barium		**0.972**	
Beryllium		**0.0181**	
Cadmium		**0.836**	
Calcium	**500000**	**525951**	**105**
Chromium		**1.44**	
Cobalt		**1.10**	
Copper		**1.98**	
Iron	**200000**	**199326**	**100**
Lead		**-0.0062**	
Magnesium	**500000**	**559650**	**112**
Manganese		**-1.40**	
Nickel		**-1.08**	
Potassium		**0.868**	
Selenium		**1.36**	
Silver		**0.735**	
Sodium		**99.5**	
Thallium		**-8.03**	
Vanadium		**-2.01**	
Zinc		**5.00**	
Boron		*7.45*	
Molybdenum		*-2.04*	
Strontium		*2.46*	
Tin		*5.59*	
Titanium		*2.36*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Lab Sample ID: ICSAB 680-177640/8 Instrument ID: ICPD

Lab File ID: 081810.chr ICS Source: P_ICSAB_wk_00037

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**531315**	**106**
Antimony	**600**	**637**	**106**
Arsenic	**100**	**105**	**105**
Barium	**500**	**527**	**105**
Beryllium	**500**	**517**	**103**
Cadmium	**1000**	**992**	**99**
Calcium	**500000**	**519751**	**104**
Chromium	**500**	**499**	**100**
Cobalt	**500**	**491**	**98**
Copper	**500**	**547**	**109**
Iron	**200000**	**197088**	**99**
Lead	**50.0**	**52.3**	**105**
Magnesium	**500000**	**552207**	**110**
Manganese	**500**	**504**	**101**
Nickel	**1000**	**965**	**96**
Potassium		**3.55**	
Selenium	**50.0**	**53.0**	**106**
Silver	**200**	**216**	**108**
Sodium		**246**	
Thallium	**100**	**102**	**102**
Vanadium	**500**	**524**	**105**
Zinc	**1000**	**997**	**100**
Boron		*6.06*	
Molybdenum	*1000*	*1122*	*112*
Strontium		*2.42*	
Tin	*1000*	*1169*	*117*
Titanium		*2.40*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Lab Sample ID: ICSA 680-177640/138 Instrument ID: ICPD

Lab File ID: 081810.chr ICS Source: P_ICSA_wk_00021

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**542909**	**109**
Antimony		**-4.38**	
Arsenic		**1.83**	
Barium		**0.792**	
Beryllium		**0.125**	
Cadmium		**2.28**	
Calcium	**500000**	**519326**	**104**
Chromium		**1.43**	
Cobalt		**1.27**	
Copper		**2.18**	
Iron	**200000**	**197667**	**99**
Lead		**-1.59**	
Magnesium	**500000**	**561392**	**112**
Manganese		**-1.38**	
Nickel		**-0.0310**	
Potassium		**-4.15**	
Selenium		**0.208**	
Silver		**0.640**	
Sodium		**260**	
Thallium		**-8.96**	
Vanadium		**-1.05**	
Zinc		**4.71**	
Boron		*-15.3*	
Molybdenum		*-1.71*	
Strontium		*2.36*	
Tin		*6.63*	
Titanium		*2.16*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Lab Sample ID: ICSAB 680-177640/139 Instrument ID: ICPD

Lab File ID: 081810.chr ICS Source: P_ICSAB_wk_00037

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**533541**	**107**
Antimony	**600**	**628**	**105**
Arsenic	**100**	**99.3**	**99**
Barium	**500**	**516**	**103**
Beryllium	**500**	**506**	**101**
Cadmium	**1000**	**966**	**97**
Calcium	**500000**	**511768**	**102**
Chromium	**500**	**491**	**98**
Cobalt	**500**	**486**	**97**
Copper	**500**	**542**	**108**
Iron	**200000**	**194990**	**97**
Lead	**50.0**	**50.9**	**102**
Magnesium	**500000**	**552720**	**111**
Manganese	**500**	**500**	**100**
Nickel	**1000**	**956**	**96**
Potassium		**-4.23**	
Selenium	**50.0**	**52.1**	**104**
Silver	**200**	**214**	**107**
Sodium		**148**	
Thallium	**100**	**93.8**	**94**
Vanadium	**500**	**522**	**104**
Zinc	**1000**	**998**	**100**
Boron		*-14.2*	
Molybdenum	*1000*	*1094*	*109*
Strontium		*2.33*	
Tin	*1000*	*1159*	*116*
Titanium		*2.31*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-60273-A-7-B MS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Matrix: Solid Concentration Units: mg/Kg

% Solids: 91.6

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	7410		5600		204	901	75-125	4	6010B
Antimony	46.4		0.54	U	51.0	91	75-125		6010B
Arsenic	210		1.5	J	204	102	75-125		6010B
Barium	230		14		204	106	75-125		6010B
Beryllium	5.61		0.30	J	5.10	104	75-125		6010B
Cadmium	5.24		0.10	U	5.10	103	75-125		6010B
Calcium	1970		1100		510	163	75-125	J	6010B
Chromium	29.1		6.4		20.4	111	75-125		6010B
Cobalt	57.3		3.4		51.0	106	75-125		6010B
Copper	34.3		6.9		25.5	107	75-125		6010B
Iron	11000		9200		102	1790	75-125	4	6010B
Lead	64.0		12		51.0	102	75-125		6010B
Magnesium	2950		1800		510	235	75-125	J	6010B
Manganese	235		150		51.0	161	75-125	J	6010B
Nickel	59.2		5.2		51.0	106	75-125		6010B
Potassium	883		300		510	114	75-125		6010B
Selenium	207		1.0	U	204	102	75-125		6010B
Silver	5.46		0.098	U	5.10	107	75-125		6010B
Sodium	527		84	U	510	103	75-125		6010B
Thallium	214		1.0	U	204	105	75-125		6010B
Vanadium	70.4		13		51.0	112	75-125		6010B
Zinc	82.0		24		51.0	114	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID:
Lab ID: 680-60144-B-1-E MS
Lab Name: TestAmerica Savannah
Job No.: 680-60273-1
SDG No.: 67495
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 65.5

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.175		0.041		0.147	91	80-120		7471A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-60273-A-7-C MSD

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Matrix: Solid Concentration Units: mg/Kg

% Solids: 91.6

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	6960		204	679	75-125	6	20	4	6010B
Antimony	41.9		51.0	82	75-125	10	20		6010B
Arsenic	207		204	101	75-125	1	20		6010B
Barium	229		204	105	75-125	0	20		6010B
Beryllium	5.57		5.10	103	75-125	1	20		6010B
Cadmium	5.23		5.10	103	75-125	0	20		6010B
Calcium	1760		510	121	75-125	11	20		6010B
Chromium	28.2		20.4	107	75-125	3	20		6010B
Cobalt	56.8		51.0	105	75-125	1	20		6010B
Copper	33.9		25.5	106	75-125	1	20		6010B
Iron	9850		102	661	75-125	11	20	4	6010B
Lead	64.4		51.0	103	75-125	1	20		6010B
Magnesium	2410		510	127	75-125	20	20	J	6010B
Manganese	206		51.0	103	75-125	13	20		6010B
Nickel	58.0		51.0	104	75-125	2	20		6010B
Potassium	862		510	110	75-125	2	20		6010B
Selenium	207		204	101	75-125	0	20		6010B
Silver	5.32		5.10	104	75-125	2	20		6010B
Sodium	541		510	106	75-125	2	20		6010B
Thallium	213		204	105	75-125	0	20		6010B
Vanadium	68.0		51.0	108	75-125	3	20		6010B
Zinc	80.3		51.0	110	75-125	2	20		6010B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID:
Lab ID: 680-60144-B-1-F MSD
Lab Name: TestAmerica Savannah
Job No.: 680-60273-1
SDG No.: 67495
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 65.5

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.164		0.141	87	80-120	6	20		7471A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-60273-A-7-A PDS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	5710		5600		204	67	75-125	J	6010B
Antimony	49.2		0.54	U	51.0	96	75-125		6010B
Arsenic	200		1.5	J	204	97	75-125		6010B
Barium	216		14		204	99	75-125		6010B
Beryllium	5.31		0.30	J	5.10	98	75-125		6010B
Cadmium	4.99		0.10	U	5.10	98	75-125		6010B
Calcium	1660		1100		510	101	75-125		6010B
Chromium	26.6		6.4		20.4	99	75-125		6010B
Cobalt	54.1		3.4		51.0	99	75-125		6010B
Copper	31.9		6.9		25.5	98	75-125		6010B
Iron	9180		9200		102	2	75-125	J	6010B
Lead	61.7		12		51.0	98	75-125		6010B
Magnesium	2280		1800		510	104	75-125		6010B
Manganese	203		150		51.0	97	75-125		6010B
Nickel	55.1		5.2		51.0	98	75-125		6010B
Potassium	846		300		510	107	75-125		6010B
Selenium	198		1.0	U	204	97	75-125		6010B
Silver	4.34		0.098	U	5.10	85	75-125		6010B
Sodium	524		84	U	510	103	75-125		6010B
Thallium	205		1.0	U	204	100	75-125		6010B
Vanadium	64.5		13		51.0	101	75-125		6010B
Zinc	75.1		24		51.0	100	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-177400/21-A

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

Sample Matrix: Solid LCS Source: P_TEFLONCH_00005

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	200	214		107	75	125		6010B
Antimony	50.0	52.4		105	75	125		6010B
Arsenic	200	211		105	75	125		6010B
Barium	200	216		108	75	125		6010B
Beryllium	5.00	5.29		106	75	125		6010B
Cadmium	5.00	5.30		106	75	125		6010B
Calcium	500	541		108	75	125		6010B
Chromium	20.0	21.5		107	75	125		6010B
Cobalt	50.0	54.0		108	75	125		6010B
Copper	25.0	26.9		108	75	125		6010B
Iron	100	109		109	75	125		6010B
Lead	50.0	53.8		108	75	125		6010B
Magnesium	500	549		110	75	125		6010B
Manganese	50.0	54.6		109	75	125		6010B
Nickel	50.0	53.7		107	75	125		6010B
Potassium	500	533		107	75	125		6010B
Selenium	200	210		105	75	125		6010B
Silver	5.00	5.37		107	75	125		6010B
Sodium	500	534		107	75	125		6010B
Thallium	200	219		109	75	125		6010B
Vanadium	50.0	55.4		111	75	125		6010B
Zinc	50.0	55.2		110	75	125		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-177671/2-A

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

Sample Matrix: Solid LCS Source: Hg_Int_Cal_00048

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.231	0.265		115	80	120		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 680-60273-A-7-A SD

SDG No: 67495

Lab Name: TestAmerica Savannah Job No: 680-60273-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	5600		5500		1.3		6010B
Antimony	0.54	U	2.7	U	NC		6010B
Arsenic	1.5	J	3.0	U	NC		6010B
Barium	14		14.3		NC		6010B
Beryllium	0.30	J	0.344	J	NC		6010B
Cadmium	0.10	U	0.51	U	NC		6010B
Calcium	1100		1150		0.63		6010B
Chromium	6.4		6.52		NC		6010B
Cobalt	3.4		3.44	J	NC		6010B
Copper	6.9		6.63	J	NC		6010B
Iron	9200		9190		0.10		6010B
Lead	12		12.0		NC		6010B
Magnesium	1800		1750		0.18		6010B
Manganese	150		154		0.20		6010B
Nickel	5.2		4.55	J	NC		6010B
Potassium	300		289	J	NC		6010B
Selenium	1.0	U	5.1	U	NC		6010B
Silver	0.098	U	0.49	U	NC		6010B
Sodium	84	U	420	U	NC		6010B
Thallium	1.0	U	5.0	U	NC		6010B
Vanadium	13		13.5		2.8		6010B
Zinc	24		24.6		NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-60273-1

SDG Number: 67495

Matrix: Solid Instrument ID: ICPD

Analysis Method: 6010B MDL Date: 06/02/2009 00:00

Prep Method: 3050B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		20	10
Antimony		2	0.53
Arsenic		2	0.59
Barium		1	0.3
Beryllium		0.4	0.02
Cadmium		0.5	0.1
Calcium		50	20
Chromium		1	0.5
Cobalt		1	0.12
Copper		2.5	1.1
Iron		20	7
Lead		1	0.53
Magnesium		50	2.4
Manganese		1	0.3
Nickel		4	0.31
Potassium		100	8
Selenium		2.5	1
Silver		1	0.096
Sodium		200	82
Thallium		2.5	0.99
Vanadium		1	0.24
Zinc		2	1.2

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-60273-1

SDG Number: 67495

Matrix: Solid Instrument ID: ICPD

Analysis Method: 6010B XMDL Date: 06/02/2009 00:00

Prep Method: 3050B

Leach Method:

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	100
Antimony		20	5.3
Arsenic		20	5.9
Barium		10	3
Beryllium		4	0.2
Cadmium		5	1
Calcium		500	200
Chromium		10	5
Cobalt		10	1.2
Copper		20	11
Iron		200	70
Lead		10	5.3
Magnesium		500	24
Manganese		10	3
Nickel		40	3
Potassium		1000	80
Selenium		25	10
Silver		10	0.96
Sodium		2000	820
Thallium		25	9.9
Vanadium		10	2.4
Zinc		20	12

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-60273-1

SDG Number: 67495

Matrix: Solid Instrument ID: LEEMAN1

Analysis Method: 7471A MDL Date: 06/02/2009 00:00

Prep Method: 7471A

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.02	0.0082

FORM IX - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-60273-1

SDG Number: 67495

Matrix: Solid Instrument ID: LEEMAN1

Analysis Method: 7471A XMDL Date: 06/01/2008 15:53

Prep Method: 7471A

Leach Method:

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.08

FORM IX - IN

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Savannah Job No: 680-60273-1

SDG No.: 67495

Instrument ID: ICPD Date: 01/25/2010 13:16

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		720000	6010B
Antimony		45000	6010B
Arsenic		18000	6010B
Barium		18000	6010B
Beryllium		9000	6010B
Cadmium		9000	6010B
Calcium		720000	6010B
Chromium		22500	6010B
Cobalt		22500	6010B
Copper		45000	6010B
Iron		900000	6010B
Lead		18000	6010B
Magnesium		450000	6010B
Manganese		27000	6010B
Nickel		9000	6010B
Potassium		31500	6010B
Selenium		22500	6010B
Silver		1800	6010B
Sodium		72000	6010B
Thallium		27000	6010B
Vanadium		45000	6010B
Zinc		31500	6010B

FORM XI - IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
680-60273-1	08/17/2010 10:21	177400	1.09		100
680-60273-2	08/17/2010 10:21	177400	1.08		100
680-60273-3	08/17/2010 10:21	177400	1.00		100
680-60273-4	08/17/2010 10:21	177400	1.05		100
680-60273-5	08/17/2010 10:21	177400	1.03		100
680-60273-A-7-B MS	08/17/2010 10:21	177400	1.07		100
680-60273-A-7-C MSD	08/17/2010 10:21	177400	1.07		100
MB 680-177400/20-A	08/17/2010 10:21	177400	1.00		100
LCS 680-177400/21-A	08/17/2010 10:21	177400	1.00		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Preparation Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
LCS 680-177671/2-A	08/19/2010 13:22	177671	0.54		50
680-60144-B-1-E MS	08/19/2010 13:22	177671	0.52		50
680-60144-B-1-F MSD	08/19/2010 13:22	177671	0.54		50
680-60273-1	08/19/2010 13:22	177671	0.52		50
680-60273-2	08/19/2010 13:22	177671	0.53		50
680-60273-3	08/19/2010 13:22	177671	0.52		50
680-60273-4	08/19/2010 13:22	177671	0.50		50
680-60273-5	08/19/2010 13:22	177671	0.53		50

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
STD0 680-177640/1 IC			17:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD1 680-177640/2 IC			17:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:09																				
ICV 680-177640/4	1		17:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 680-177640/5	1		17:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 680-177640/6	1		17:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 680-177640/7	1		17:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 680-177640/8	1		17:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-177640/9	1		17:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-177640/10	1		17:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			18:09																				
ZZZZZZ			18:14																				
ZZZZZZ			18:20																				
ZZZZZZ			18:25																				
ZZZZZZ			18:30																				
ZZZZZZ			18:35																				
ZZZZZZ			18:40																				
ZZZZZZ			18:46																				
ZZZZZZ			18:51																				
ZZZZZZ			18:56																				
CCV 680-177640/21			19:01																				
CCB 680-177640/22			19:06																				
ZZZZZZ			19:12																				
ZZZZZZ			19:17																				
ZZZZZZ			19:22																				
ZZZZZZ			19:27																				
ZZZZZZ			19:32																				
ZZZZZZ			19:38																				
ZZZZZZ			19:44																				
ZZZZZZ			19:49																				
ZZZZZZ			19:55																				
ZZZZZZ			20:00																				
CCV 680-177640/33			20:05																				
CCB 680-177640/34			20:10																				
ZZZZZZ			20:15																				
ZZZZZZ			20:21																				
ZZZZZZ			20:26																				
ZZZZZZ			20:31																				
ZZZZZZ			20:36																				
ZZZZZZ			20:41																				
ZZZZZZ			20:47																				
ZZZZZZ			20:52																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			20:57																				
ZZZZZZ			21:02																				
CCV 680-177640/45			21:09																				
CCB 680-177640/46			21:14																				
ZZZZZZ			21:19																				
ZZZZZZ			21:26																				
ZZZZZZ			21:31																				
ZZZZZZ			21:36																				
ZZZZZZ			21:41																				
ZZZZZZ			21:46																				
ZZZZZZ			21:52																				
ZZZZZZ			21:57																				
ZZZZZZ			22:02																				
CCV 680-177640/56			22:08																				
CCB 680-177640/57			22:13																				
ZZZZZZ			22:18																				
ZZZZZZ			22:24																				
ZZZZZZ			22:29																				
ZZZZZZ			22:34																				
ZZZZZZ			22:40																				
ZZZZZZ			22:45																				
ZZZZZZ			22:50																				
ZZZZZZ			22:56																				
CCV 680-177640/66			23:01																				
CCB 680-177640/67			23:06																				
ZZZZZZ			23:11																				
ZZZZZZ			23:17																				
ZZZZZZ			23:22																				
ZZZZZZ			23:27																				
ZZZZZZ			23:33																				
ZZZZZZ			23:38																				
ZZZZZZ			23:43																				
ZZZZZZ			23:49																				
ZZZZZZ			23:54																				
ZZZZZZ			23:59																				
CCV 680-177640/78			00:05																				
CCB 680-177640/79			00:10																				
ZZZZZZ			00:15																				
ZZZZZZ			00:21																				
ZZZZZZ			00:26																				
ZZZZZZ			00:31																				
ZZZZZZ			00:37																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			00:42																				
ZZZZZZ			00:47																				
ZZZZZZ			00:53																				
ZZZZZZ			00:58																				
ZZZZZZ			01:03																				
CCV 680-177640/90	1		01:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-177640/91	1		01:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			01:19																				
ZZZZZZ			01:24																				
ZZZZZZ			01:30																				
ZZZZZZ			01:35																				
ZZZZZZ			01:40																				
ZZZZZZ			01:46																				
MB 680-177400/20-A	1	T	01:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 680-177400/21-A	1	T	01:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			02:03																				
ZZZZZZ			02:08																				
CCV 680-177640/102	1		02:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-177640/103	1		02:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			02:25																				
ZZZZZZ			02:30																				
ZZZZZZ			02:35																				
ZZZZZZ			02:41																				
ZZZZZZ			02:46																				
ZZZZZZ			02:51																				
ZZZZZZ			02:56																				
ZZZZZZ			03:02																				
680-60273-1	1	T	03:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-60273-2	1	T	03:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-177640/114	1		03:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-177640/115	1		03:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-60273-3	1	T	03:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-60273-4	1	T	03:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-60273-5	1	T	03:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			03:44																				
ZZZZZZ			03:50																				
680-60273-A-7-A SD	5	T	03:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-60273-A-7-A PDS	1	T	04:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-60273-A-7-B MS	1	T	04:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-60273-A-7-C MSD	1	T	04:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-177640/125	1		04:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-177640/126	1		04:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			04:30																				
ZZZZZZ			04:35																				
ZZZZZZ			04:41																				
CCV 680-177640/130			04:49																				
CCB 680-177640/131			04:54																				
CCV 680-177640/132	1		09:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-177640/133	1		09:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:03																				
ZZZZZZ			10:10																				
ZZZZZZ			10:18																				
CRI 680-177640/137	1		10:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 680-177640/138	1		10:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 680-177640/139	1		10:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-177640/140	1		10:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-177640/141	1		10:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
STD0 680-177640/1 IC			17:04	X	X																		
STD1 680-177640/2 IC			17:05	X	X																		
ZZZZZZ			17:09																				
ICV 680-177640/4	1		17:20	X	X																		
ICB 680-177640/5	1		17:27	X	X																		
CRI 680-177640/6	1		17:31	X	X																		
ICSA 680-177640/7	1		17:36	X	X																		
ICSAB 680-177640/8	1		17:40	X	X																		
CCV 680-177640/9	1		17:45	X	X																		
CCB 680-177640/10	1		17:57	X	X																		
ZZZZZZ			18:09																				
ZZZZZZ			18:14																				
ZZZZZZ			18:20																				
ZZZZZZ			18:25																				
ZZZZZZ			18:30																				
ZZZZZZ			18:35																				
ZZZZZZ			18:40																				
ZZZZZZ			18:46																				
ZZZZZZ			18:51																				
ZZZZZZ			18:56																				
CCV 680-177640/21			19:01																				
CCB 680-177640/22			19:06																				
ZZZZZZ			19:12																				
ZZZZZZ			19:17																				
ZZZZZZ			19:22																				
ZZZZZZ			19:27																				
ZZZZZZ			19:32																				
ZZZZZZ			19:38																				
ZZZZZZ			19:44																				
ZZZZZZ			19:49																				
ZZZZZZ			19:55																				
ZZZZZZ			20:00																				
CCV 680-177640/33			20:05																				
CCB 680-177640/34			20:10																				
ZZZZZZ			20:15																				
ZZZZZZ			20:21																				
ZZZZZZ			20:26																				
ZZZZZZ			20:31																				
ZZZZZZ			20:36																				
ZZZZZZ			20:41																				
ZZZZZZ			20:47																				
ZZZZZZ			20:52																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			20:57																				
ZZZZZZ			21:02																				
CCV 680-177640/45			21:09																				
CCB 680-177640/46			21:14																				
ZZZZZZ			21:19																				
ZZZZZZ			21:26																				
ZZZZZZ			21:31																				
ZZZZZZ			21:36																				
ZZZZZZ			21:41																				
ZZZZZZ			21:46																				
ZZZZZZ			21:52																				
ZZZZZZ			21:57																				
ZZZZZZ			22:02																				
CCV 680-177640/56			22:08																				
CCB 680-177640/57			22:13																				
ZZZZZZ			22:18																				
ZZZZZZ			22:24																				
ZZZZZZ			22:29																				
ZZZZZZ			22:34																				
ZZZZZZ			22:40																				
ZZZZZZ			22:45																				
ZZZZZZ			22:50																				
ZZZZZZ			22:56																				
CCV 680-177640/66			23:01																				
CCB 680-177640/67			23:06																				
ZZZZZZ			23:11																				
ZZZZZZ			23:17																				
ZZZZZZ			23:22																				
ZZZZZZ			23:27																				
ZZZZZZ			23:33																				
ZZZZZZ			23:38																				
ZZZZZZ			23:43																				
ZZZZZZ			23:49																				
ZZZZZZ			23:54																				
ZZZZZZ			23:59																				
CCV 680-177640/78			00:05																				
CCB 680-177640/79			00:10																				
ZZZZZZ			00:15																				
ZZZZZZ			00:21																				
ZZZZZZ			00:26																				
ZZZZZZ			00:31																				
ZZZZZZ			00:37																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			00:42																				
ZZZZZZ			00:47																				
ZZZZZZ			00:53																				
ZZZZZZ			00:58																				
ZZZZZZ			01:03																				
CCV 680-177640/90	1		01:09	X	X																		
CCB 680-177640/91	1		01:14	X	X																		
ZZZZZZ			01:19																				
ZZZZZZ			01:24																				
ZZZZZZ			01:30																				
ZZZZZZ			01:35																				
ZZZZZZ			01:40																				
ZZZZZZ			01:46																				
MB 680-177400/20-A	1	T	01:53	X	X																		
LCS 680-177400/21-A	1	T	01:58	X	X																		
ZZZZZZ			02:03																				
ZZZZZZ			02:08																				
CCV 680-177640/102	1		02:14	X	X																		
CCB 680-177640/103	1		02:19	X	X																		
ZZZZZZ			02:25																				
ZZZZZZ			02:30																				
ZZZZZZ			02:35																				
ZZZZZZ			02:41																				
ZZZZZZ			02:46																				
ZZZZZZ			02:51																				
ZZZZZZ			02:56																				
ZZZZZZ			03:02																				
680-60273-1	1	T	03:07	X	X																		
680-60273-2	1	T	03:12	X	X																		
CCV 680-177640/114	1		03:18	X	X																		
CCB 680-177640/115	1		03:23	X	X																		
680-60273-3	1	T	03:28	X	X																		
680-60273-4	1	T	03:34	X	X																		
680-60273-5	1	T	03:39	X	X																		
ZZZZZZ			03:44																				
ZZZZZZ			03:50																				
680-60273-A-7-A SD	5	T	03:55	X	X																		
680-60273-A-7-A PDS	1	T	04:00	X	X																		
680-60273-A-7-B MS	1	T	04:06	X	X																		
680-60273-A-7-C MSD	1	T	04:11	X	X																		
CCV 680-177640/125	1		04:19	X	X																		
CCB 680-177640/126	1		04:25	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Instrument ID: ICPD Method: 6010B

Start Date: 08/18/2010 17:04 End Date: 08/19/2010 10:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			04:30																				
ZZZZZZ			04:35																				
ZZZZZZ			04:41																				
CCV 680-177640/130			04:49																				
CCB 680-177640/131			04:54																				
CCV 680-177640/132	1		09:50	X	X																		
CCB 680-177640/133	1		09:58	X	X																		
ZZZZZZ			10:03																				
ZZZZZZ			10:10																				
ZZZZZZ			10:18																				
CRI 680-177640/137	1		10:32	X	X																		
ICSA 680-177640/138	1		10:36	X	X																		
ICSAB 680-177640/139	1		10:41	X	X																		
CCV 680-177640/140	1		10:47	X	X																		
CCB 680-177640/141	1		10:52	X	X																		

Prep Types
D = Dissolved
R = Total Recoverable
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Instrument ID: LEEMAN1 Method: 7471A

Start Date: 08/20/2010 12:55 End Date: 08/21/2010 14:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD01REP1 680-177825/1 IC			12:55	X																			
STD01REP1 680-177825/2 IC			13:08	X																			
STD02REP1 680-177825/3 IC			13:11	X																			
STD03REP1 680-177825/4 IC			13:14	X																			
STD04REP1 680-177825/5 IC			13:16	X																			
STD05REP1 680-177825/6 IC			13:20	X																			
STD06REP1 680-177825/7 IC			13:23	X																			
ICV 680-177825/8	1		13:26	X																			
ICB 680-177825/9	1		13:29	X																			
ZZZZZZ			13:35																				
CCV 680-177825/11	1		13:38	X																			
CCB 680-177825/12	1		13:41	X																			
CRA 680-177825/13	1		13:44	X																			
ZZZZZZ			13:46																				
ZZZZZZ			13:49																				
ZZZZZZ			13:52																				
ZZZZZZ			13:55																				
ZZZZZZ			13:58																				
ZZZZZZ			14:01																				
ZZZZZZ			14:04																				
ZZZZZZ			14:07																				
ZZZZZZ			14:10																				
CCV 680-177825/23	1		14:13	X																			
CCB 680-177825/24	1		14:16	X																			
ZZZZZZ			14:19																				
ZZZZZZ			14:22																				
ZZZZZZ			14:25																				
ZZZZZZ			14:28																				
ZZZZZZ			14:31																				
ZZZZZZ			14:34																				
ZZZZZZ			14:37																				
ZZZZZZ			14:40																				
ZZZZZZ			14:43																				
ZZZZZZ			14:46																				
CCV 680-177825/35	1		14:50	X																			
CCB 680-177825/36	1		14:52	X																			
ZZZZZZ			14:55																				
ZZZZZZ			14:58																				
ZZZZZZ			15:01																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Instrument ID: LEEMAN1 Method: 7471A

Start Date: 08/20/2010 12:55 End Date: 08/21/2010 14:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			15:04																				
ZZZZZZ			15:07																				
LCS 680-177671/2-A	1	T	15:10	X																			
ZZZZZZ			15:13																				
680-60144-B-1-E MS	1	T	15:16	X																			
680-60144-B-1-F MSD	1	T	15:19	X																			
ZZZZZZ			15:21																				
CCV 680-177825/47	1		15:24	X																			
CCB 680-177825/48	1		15:27	X																			
ZZZZZZ			15:30																				
ZZZZZZ			15:34																				
ZZZZZZ			15:37																				
ZZZZZZ			15:40																				
ZZZZZZ			15:42																				
680-60273-1	1	T	15:45	X																			
680-60273-2	1	T	15:48	X																			
680-60273-3	1	T	15:51	X																			
680-60273-4	1	T	15:55	X																			
680-60273-5	1	T	15:58	X																			
CCV 680-177825/59	1		16:01	X																			
CCB 680-177825/60	1		16:04	X																			
ZZZZZZ			16:07																				
ZZZZZZ			16:10																				
ZZZZZZ			16:13																				
ZZZZZZ			16:16																				
ZZZZZZ			16:22																				
ZZZZZZ			16:25																				
ZZZZZZ			16:30																				
ZZZZZZ			16:35																				
ZZZZZZ			16:49																				
ZZZZZZ			16:52																				
ZZZZZZ			17:00																				
ZZZZZZ			17:03																				
ZZZZZZ			17:13																				
ZZZZZZ			17:16																				
ZZZZZZ			17:21																				
ZZZZZZ			17:24																				
ZZZZZZ			17:28																				
ZZZZZZ			17:31																				
ZZZZZZ			17:36																				
ZZZZZZ			17:52																				
ZZZZZZ			18:01																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Instrument ID: LEEMAN1 Method: 7471A

Start Date: 08/20/2010 12:55 End Date: 08/21/2010 14:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
CCV 680-177825/82			18:04																				
CCB 680-177825/83			18:07																				
ZZZZZZ			18:10																				
ZZZZZZ			18:13																				
ZZZZZZ			18:16																				
ZZZZZZ			18:20																				
ZZZZZZ			18:23																				
ZZZZZZ			18:25																				
ZZZZZZ			18:28																				
ZZZZZZ			18:31																				
ZZZZZZ			18:34																				
ZZZZZZ			18:37																				
CCV 680-177825/94			18:40																				
CCB 680-177825/95			18:43																				
ZZZZZZ			18:46																				
ZZZZZZ			18:49																				
ZZZZZZ			18:52																				
ZZZZZZ			18:56																				
ZZZZZZ			18:59																				
ZZZZZZ			19:02																				
ZZZZZZ			19:05																				
ZZZZZZ			19:08																				
ZZZZZZ			19:11																				
ZZZZZZ			19:14																				
CCV 680-177825/106			19:17																				
CCB 680-177825/107			19:20																				
ZZZZZZ			19:23																				
ZZZZZZ			19:26																				
ZZZZZZ			19:29																				
ZZZZZZ			19:32																				
ZZZZZZ			19:35																				
ZZZZZZ			19:38																				
ZZZZZZ			19:41																				
ZZZZZZ			19:44																				
ZZZZZZ			19:47																				
ZZZZZZ			19:50																				
CCV 680-177825/118			19:53																				
CCB 680-177825/119			19:56																				
ZZZZZZ			19:59																				
ZZZZZZ			20:02																				
ZZZZZZ			20:05																				
ZZZZZZ			20:08																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Instrument ID: LEEMAN1 Method: 7471A

Start Date: 08/20/2010 12:55 End Date: 08/21/2010 14:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			20:12																				
ZZZZZZ			20:15																				
ZZZZZZ			20:17																				
ZZZZZZ			20:20																				
ZZZZZZ			20:23																				
ZZZZZZ			20:27																				
CCV 680-177825/130			20:29																				
CCB 680-177825/131			20:32																				
ZZZZZZ			20:35																				
ZZZZZZ			20:38																				
ZZZZZZ			20:41																				
ZZZZZZ			20:45																				
ZZZZZZ			20:47																				
ZZZZZZ			20:51																				
ZZZZZZ			20:54																				
ZZZZZZ			20:57																				
ZZZZZZ			20:59																				
ZZZZZZ			21:03																				
CCV 680-177825/142			21:06																				
CCB 680-177825/143			21:08																				
ZZZZZZ			21:11																				
ZZZZZZ			21:14																				
ZZZZZZ			21:17																				
ZZZZZZ			21:20																				
ZZZZZZ			21:23																				
ZZZZZZ			21:26																				
ZZZZZZ			21:29																				
ZZZZZZ			21:32																				
ZZZZZZ			21:35																				
ZZZZZZ			21:38																				
ZZZZZZ			21:42																				
ZZZZZZ			21:44																				
ZZZZZZ			21:47																				
ZZZZZZ			21:50																				
ZZZZZZ			21:54																				
ZZZZZZ			21:57																				
ZZZZZZ			22:00																				
ZZZZZZ			22:02																				
ZZZZZZ			22:05																				
ZZZZZZ			22:09																				
ZZZZZZ			22:12																				
ZZZZZZ			22:15																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Instrument ID: LEEMAN1 Method: 7471A

Start Date: 08/20/2010 12:55 End Date: 08/21/2010 14:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			22:18																				
ZZZZZZ			22:21																				
ZZZZZZ			22:24																				
ZZZZZZ			22:27																				
ZZZZZZ			22:30																				
ZZZZZZ			22:33																				
ZZZZZZ			22:36																				
ZZZZZZ			22:39																				
ZZZZZZ			22:42																				
ZZZZZZ			22:46																				
ZZZZZZ			22:49																				
ZZZZZZ			22:52																				
ZZZZZZ			22:55																				
ZZZZZZ			22:58																				
ZZZZZZ			23:01																				
ZZZZZZ			23:04																				
ZZZZZZ			23:07																				
ZZZZZZ			23:10																				
ZZZZZZ			23:13																				
ZZZZZZ			23:16																				
ZZZZZZ			23:19																				
ZZZZZZ			23:23																				
ZZZZZZ			23:26																				
ZZZZZZ			23:29																				
CCV 680-177825/190			09:10																				
CCB 680-177825/191			09:14																				
ZZZZZZ			09:16																				
ZZZZZZ			09:19																				
ZZZZZZ			09:22																				
ZZZZZZ			09:25																				
ZZZZZZ			09:28																				
ZZZZZZ			09:31																				
ZZZZZZ			09:34																				
ZZZZZZ			09:37																				
ZZZZZZ			09:40																				
ZZZZZZ			09:43																				
CCV 680-177825/202			09:45																				
CCB 680-177825/203			09:48																				
ZZZZZZ			09:51																				
ZZZZZZ			09:54																				
ZZZZZZ			09:57																				
ZZZZZZ			10:00																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Instrument ID: LEEMAN1 Method: 7471A

Start Date: 08/20/2010 12:55 End Date: 08/21/2010 14:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			10:03																				
ZZZZZZ			10:06																				
ZZZZZZ			10:09																				
ZZZZZZ			10:12																				
ZZZZZZ			10:15																				
ZZZZZZ			10:18																				
CCV 680-177825/214			10:22																				
CCB 680-177825/215			10:25																				
ZZZZZZ			10:28																				
ZZZZZZ			10:31																				
ZZZZZZ			10:34																				
ZZZZZZ			10:37																				
ZZZZZZ			10:40																				
ZZZZZZ			10:43																				
ZZZZZZ			10:46																				
ZZZZZZ			10:49																				
ZZZZZZ			10:52																				
ZZZZZZ			10:55																				
CCV 680-177825/226			10:58																				
CCB 680-177825/227			11:01																				
ZZZZZZ			11:04																				
ZZZZZZ			11:08																				
ZZZZZZ			11:11																				
ZZZZZZ			11:14																				
ZZZZZZ			11:16																				
ZZZZZZ			11:19																				
ZZZZZZ			11:23																				
ZZZZZZ			11:26																				
ZZZZZZ			11:29																				
ZZZZZZ			11:32																				
CCV 680-177825/238			11:35																				
CCB 680-177825/239			11:38																				
ZZZZZZ			11:41																				
ZZZZZZ			11:44																				
ZZZZZZ			11:47																				
ZZZZZZ			11:50																				
ZZZZZZ			11:53																				
ZZZZZZ			11:58																				
ZZZZZZ			12:01																				
ZZZZZZ			12:08																				
ZZZZZZ			12:11																				
ZZZZZZ			12:14																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-60273-1

SDG No.: 67495

Instrument ID: LEEMAN1 Method: 7471A

Start Date: 08/20/2010 12:55 End Date: 08/21/2010 14:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			12:17																				
ZZZZZZ			12:19																				
ZZZZZZ			12:22																				
ZZZZZZ			12:25																				
ZZZZZZ			12:28																				
ZZZZZZ			12:31																				
ZZZZZZ			12:34																				
ZZZZZZ			12:37																				
ZZZZZZ			12:40																				
ZZZZZZ			12:43																				
ZZZZZZ			12:46																				
ZZZZZZ			12:49																				
ZZZZZZ			12:52																				
ZZZZZZ			12:55																				
ZZZZZZ			12:58																				
ZZZZZZ			13:01																				
ZZZZZZ			13:04																				
ZZZZZZ			13:07																				
ZZZZZZ			13:10																				
ZZZZZZ			13:13																				
ZZZZZZ			13:17																				
ZZZZZZ			13:20																				
ZZZZZZ			13:24																				
ZZZZZZ			13:27																				
CCV 680-177825/274			13:41																				
CCB 680-177825/275			13:45																				
ZZZZZZ			13:48																				
ZZZZZZ			13:51																				
ZZZZZZ			13:54																				
ZZZZZZ			13:57																				
ZZZZZZ			14:00																				
ZZZZZZ			14:03																				
ZZZZZZ			14:06																				
ZZZZZZ			14:09																				
CCV 680-177825/284			14:12																				
CCB 680-177825/285			14:15																				

Prep Types

T = Total/NA

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	HIGH STD 00032	D081810	2PTTR2	08/18/10	17:09	BCB	S	CONC
2	ICVP 00190	D081810	2PTTR2	08/18/10	17:20	BCB	S	CONC
3	ICB	D081810	2PTTR2	08/18/10	17:27	BCB	S	CONC
4	RL ICP 00044	D081810	2PTTR2	08/18/10	17:31	BCB	S	CONC
5	ICSA61 00021	D081810	2PTTR2	08/18/10	17:36	BCB	S	CONC
6	ICSAB61 00037	D081810	2PTTR2	08/18/10	17:40	BCB	S	CONC
7	CCVP 00072	D081810	2PTTR2	08/18/10	17:45	BCB	S	CONC
8	CCB	D081810	2PTTR2	08/18/10	17:57	BCB	S	CONC
9	PBW 177473	D081810	2PTTR2	08/18/10	18:09	BCB	S	CONC
10	LCSW-1	D081810	2PTTR2	08/18/10	18:14	BCB	S	CONC
11	LCSW-1 (RL)	D081810	2PTTR2	08/18/10	18:20	BCB	S	CONC
12	16115-1	D081810	2PTTR2	08/18/10	18:25	BCB	S	CONC
13	16115-1L	D081810	2PTTR2	08/18/10	18:30	BCB	S	CONC
14	16115-1A	D081810	2PTTR2	08/18/10	18:35	BCB	S	CONC
15	29380-1	D081810	2PTTR2	08/18/10	18:40	BCB	S	CONC
16	60337-1	D081810	2PTTR2	08/18/10	18:46	BCB	S	CONC
17	60345-1	D081810	2PTTR2	08/18/10	18:51	BCB	S	CONC
18	60345-1S	D081810	2PTTR2	08/18/10	18:56	BCB	S	CONC
19	CCV	D081810	2PTTR2	08/18/10	19:01	BCB	S	CONC
20	CCB	D081810	2PTTR2	08/18/10	19:06	BCB	S	CONC
21	60345-1SD	D081810	2PTTR2	08/18/10	19:12	BCB	S	CONC
22	60345-3	D081810	2PTTR2	08/18/10	19:17	BCB	S	CONC
23	60345-5	D081810	2PTTR2	08/18/10	19:22	BCB	S	CONC
24	60345-7	D081810	2PTTR2	08/18/10	19:27	BCB	S	CONC
25	58368-1	D081810	2PTTR2	08/18/10	19:32	BCB	S	CONC
26	58368-1 1/10	D081810	2PTTR2	08/18/10	19:38	BCB	S	CONC
27	PBW 177472	D081810	2PTTR2	08/18/10	19:44	BCB	S	CONC
28	LCSW-1	D081810	2PTTR2	08/18/10	19:49	BCB	S	CONC
29	LCSW-1 (RL)	D081810	2PTTR2	08/18/10	19:55	BCB	S	CONC
30	60145-1	D081810	2PTTR2	08/18/10	20:00	BCB	S	CONC
31	CCV	D081810	2PTTR2	08/18/10	20:05	BCB	S	CONC
32	CCB	D081810	2PTTR2	08/18/10	20:10	BCB	S	CONC
33	60345-1	D081810	2PTTR2	08/18/10	20:15	BCB	S	CONC
34	60345-1S	D081810	2PTTR2	08/18/10	20:21	BCB	S	CONC
35	60345-1SD	D081810	2PTTR2	08/18/10	20:26	BCB	S	CONC
36	60345-3	D081810	2PTTR2	08/18/10	20:31	BCB	S	CONC
37	60345-5	D081810	2PTTR2	08/18/10	20:36	BCB	S	CONC
38	60345-7	D081810	2PTTR2	08/18/10	20:41	BCB	S	CONC
39	60345-7L	D081810	2PTTR2	08/18/10	20:47	BCB	S	CONC
40	60345-7A	D081810	2PTTR2	08/18/10	20:52	BCB	S	CONC
41	60244-1 1/10	D081810	2PTTR2	08/18/10	20:57	BCB	S	CONC
42	60349-1 1/10	D081810	2PTTR2	08/18/10	21:02	BCB	S	CONC
43	CCV	D081810	2PTTR2	08/18/10	21:09	BCB	S	CONC
44	CCB	D081810	2PTTR2	08/18/10	21:14	BCB	S	CONC
45	60237-3 1/10	D081810	2PTTR2	08/18/10	21:19	BCB	S	CONC
46	PBW 177430	D081810	2PTTR2	08/18/10	21:26	BCB	S	CONC
47	LCSW-1	D081810	2PTTR2	08/18/10	21:31	BCB	S	CONC
48	60160-2	D081810	2PTTR2	08/18/10	21:36	BCB	S	CONC
49	60160-2L	D081810	2PTTR2	08/18/10	21:41	BCB	S	CONC
50	60160-2A	D081810	2PTTR2	08/18/10	21:46	BCB	S	CONC
51	60160-2S	D081810	2PTTR2	08/18/10	21:52	BCB	S	CONC
52	60160-2SD	D081810	2PTTR2	08/18/10	21:57	BCB	S	CONC
53	60398-2	D081810	2PTTR2	08/18/10	22:02	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	CCV	D081810	2PTTR2	08/18/10	22:08	BCB	S	CONC
55	CCB	D081810	2PTTR2	08/18/10	22:13	BCB	S	CONC
56	60296-1	D081810	2PTTR2	08/18/10	22:18	BCB	S	CONC
57	60296-2	D081810	2PTTR2	08/18/10	22:24	BCB	S	CONC
58	60296-3	D081810	2PTTR2	08/18/10	22:29	BCB	S	CONC
59	60296-4	D081810	2PTTR2	08/18/10	22:34	BCB	S	CONC
60	60296-5	D081810	2PTTR2	08/18/10	22:40	BCB	S	CONC
61	60296-6	D081810	2PTTR2	08/18/10	22:45	BCB	S	CONC
62	60296-7	D081810	2PTTR2	08/18/10	22:50	BCB	S	CONC
63	60296-8	D081810	2PTTR2	08/18/10	22:56	BCB	S	CONC
64	CCV	D081810	2PTTR2	08/18/10	23:01	BCB	S	CONC
65	CCB	D081810	2PTTR2	08/18/10	23:06	BCB	S	CONC
66	PBW 177399	D081810	2PTTR2	08/18/10	23:11	BCB	S	CONC
67	LCSS-1	D081810	2PTTR2	08/18/10	23:17	BCB	S	CONC
68	60144-1	D081810	2PTTR2	08/18/10	23:22	BCB	S	CONC
69	60144-1S	D081810	2PTTR2	08/18/10	23:27	BCB	S	CONC
70	60144-1SD	D081810	2PTTR2	08/18/10	23:33	BCB	S	CONC
71	60144-2	D081810	2PTTR2	08/18/10	23:38	BCB	S	CONC
72	60144-3	D081810	2PTTR2	08/18/10	23:43	BCB	S	CONC
73	60144-4	D081810	2PTTR2	08/18/10	23:49	BCB	S	CONC
74	60144-5	D081810	2PTTR2	08/18/10	23:54	BCB	S	CONC
75	60144-6	D081810	2PTTR2	08/18/10	23:59	BCB	S	CONC
76	CCV	D081810	2PTTR2	08/19/10	00:05	BCB	S	CONC
77	CCB	D081810	2PTTR2	08/19/10	00:10	BCB	S	CONC
78	60144-7	D081810	2PTTR2	08/19/10	00:15	BCB	S	CONC
79	60379-6	D081810	2PTTR2	08/19/10	00:21	BCB	S	CONC
80	60379-6L	D081810	2PTTR2	08/19/10	00:26	BCB	S	CONC
81	60379-6A	D081810	2PTTR2	08/19/10	00:31	BCB	S	CONC
82	60379-11	D081810	2PTTR2	08/19/10	00:37	BCB	S	CONC
83	60379-16	D081810	2PTTR2	08/19/10	00:42	BCB	S	CONC
84	60379-21	D081810	2PTTR2	08/19/10	00:47	BCB	S	CONC
85	60379-26	D081810	2PTTR2	08/19/10	00:53	BCB	S	CONC
86	60379-31	D081810	2PTTR2	08/19/10	00:58	BCB	S	CONC
87	60379-36	D081810	2PTTR2	08/19/10	01:03	BCB	S	CONC
88	CCV	D081810	2PTTR2	08/19/10	01:09	BCB	S	CONC
89	CCB	D081810	2PTTR2	08/19/10	01:14	BCB	S	CONC
90	60379-41	D081810	2PTTR2	08/19/10	01:19	BCB	S	CONC
91	60379-45	D081810	2PTTR2	08/19/10	01:24	BCB	S	CONC
92	60166-1	D081810	2PTTR2	08/19/10	01:30	BCB	S	CONC
93	60164-1	D081810	2PTTR2	08/19/10	01:35	BCB	S	CONC
94	60187-10	D081810	2PTTR2	08/19/10	01:40	BCB	S	CONC
95	60191-8	D081810	2PTTR2	08/19/10	01:46	BCB	S	CONC
96	PBW 177400	D081810	2PTTR2	08/19/10	01:53	BCB	S	CONC
97	LCSS-1	D081810	2PTTR2	08/19/10	01:58	BCB	S	CONC
98	60283-1	D081810	2PTTR2	08/19/10	02:03	BCB	S	CONC
99	60283-2	D081810	2PTTR2	08/19/10	02:08	BCB	S	CONC
100	CCV	D081810	2PTTR2	08/19/10	02:14	BCB	S	CONC
101	CCB	D081810	2PTTR2	08/19/10	02:19	BCB	S	CONC
102	60283-3	D081810	2PTTR2	08/19/10	02:25	BCB	S	CONC
103	60283-4	D081810	2PTTR2	08/19/10	02:30	BCB	S	CONC
104	60283-5	D081810	2PTTR2	08/19/10	02:35	BCB	S	CONC
105	60283-6	D081810	2PTTR2	08/19/10	02:41	BCB	S	CONC
106	60283-7	D081810	2PTTR2	08/19/10	02:46	BCB	S	CONC
107	60283-8	D081810	2PTTR2	08/19/10	02:51	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	60283-9	D081810	2PTTR2	08/19/10	02:56	BCB	S	CONC
109	60283-10	D081810	2PTTR2	08/19/10	03:02	BCB	S	CONC
110	60273-1	D081810	2PTTR2	08/19/10	03:07	BCB	S	CONC
111	60273-2	D081810	2PTTR2	08/19/10	03:12	BCB	S	CONC
112	CCV	D081810	2PTTR2	08/19/10	03:18	BCB	S	CONC
113	CCB	D081810	2PTTR2	08/19/10	03:23	BCB	S	CONC
114	60273-3	D081810	2PTTR2	08/19/10	03:28	BCB	S	CONC
115	60273-4	D081810	2PTTR2	08/19/10	03:34	BCB	S	CONC
116	60273-5	D081810	2PTTR2	08/19/10	03:39	BCB	S	CONC
117	60273-6	D081810	2PTTR2	08/19/10	03:44	BCB	S	CONC
118	60273-7	D081810	2PTTR2	08/19/10	03:50	BCB	S	CONC
119	60273-7L	D081810	2PTTR2	08/19/10	03:55	BCB	S	CONC
120	60273-7A	D081810	2PTTR2	08/19/10	04:00	BCB	S	CONC
121	60273-7S	D081810	2PTTR2	08/19/10	04:06	BCB	S	CONC
122	60273-7SD	D081810	2PTTR2	08/19/10	04:11	BCB	S	CONC
123	CCV	D081810	2PTTR2	08/19/10	04:19	BCB	S	CONC
124	CCB	D081810	2PTTR2	08/19/10	04:25	BCB	S	CONC
125	RL	D081810	2PTTR2	08/19/10	04:30	BCB	S	CONC
126	ICSA	D081810	2PTTR2	08/19/10	04:35	BCB	S	CONC
127	ICSAB	D081810	2PTTR2	08/19/10	04:41	BCB	S	CONC
128	CCV	D081810	2PTTR2	08/19/10	04:49	BCB	S	CONC
129	CCB	D081810	2PTTR2	08/19/10	04:54	BCB	S	CONC
130	CCV	D081810	2PTTR2	08/19/10	09:50	BCB	S	CONC
131	CCB	D081810	2PTTR2	08/19/10	09:58	BCB	S	CONC
132	PBW 177399	D081810	2PTTR2	08/19/10	10:03	BCB	S	CONC
133	60283-5 1/10	D081810	2PTTR2	08/19/10	10:10	BCB	S	CONC
134	RL ICP	D081810	2PTTR2	08/19/10	10:18	BCB	S	CONC
135	RL ICP	D081810	2PTTR2	08/19/10	10:32	BCB	S	CONC
136	ICSA61	D081810	2PTTR2	08/19/10	10:36	BCB	S	CONC
137	ICSAB61	D081810	2PTTR2	08/19/10	10:41	BCB	S	CONC
138	CCV	D081810	2PTTR2	08/19/10	10:47	BCB	S	CONC
139	CCB	D081810	2PTTR2	08/19/10	10:52	BCB	S	CONC

#	Sample Name	Ag	Al	2Al	As	B	Ba
1	HIGH STD 00032	996.14	9924.9	9.9254	999.53	10024.	9967.0
2	ICVP 00190	1012.8	1032.0	1.0321	1035.7	1042.3	1024.3
3	ICB	.37991	5.5040	.00550	-2.5195	26.731	-.02708
4	RL ICP 00044	10.415	205.28	.20530	20.404	94.351	10.343
5	ICSA61 00021	.73467	540530.	540.54	1.3692	7.4497	.97170
6	ICSAB61 00037	216.26	531310.	531.34	105.49	6.0604	526.74
7	CCVP 00072	515.66	5104.2	5.1046	516.42	5171.8	5184.6
8	CCB	.26009	1.1164	.00111	.70310	44.502	.10465
9	PBW 177473	.53299	7.1535	.00715	-.39332	-9.1906	.05779
10	LCSW-1	51.478	2033.2	2.0334	2041.7	1018.4	2079.0
11	LCSW-1 (RL)	12.114	222.38	.22240	18.946	95.388	11.214
12	16115-1	.01862	106.90	.10691	.52872	4.4346	25.707
13	16115-1L	.68269	21.827	.02182	1.2820	6.6069	5.0434
14	16115-1A	42.250	2072.9	2.0730	1992.7	1006.3	2031.5
15	29380-1	.23394	7.7199	.00772	-.10500	-5.2500	6.2517
16	60337-1	.74259	320.84	.32086	3.3404	-8.4135	501.89
17	60345-1	.56353	9.0520	.00905	1.9277	-7.4229	142.04
18	60345-1S	54.205	2161.7	2.1619	2169.6	1076.2	2316.5
19	CCV	492.08	4912.5	4.9129	496.03	4922.1	4988.3
20	CCB	.59349	-9.8974	-.00989	1.5701	25.508	1.3892
21	60345-1SD	51.264	2034.2	2.0343	2021.6	1015.7	2202.4
22	60345-3	.41431	-5.9390	-.00593	4.4226	-1.5336	138.45
23	60345-5	.44409	6.6376	.00663	2.7608	-3.3967	62.786
24	60345-7	.47430	98.272	.09828	.49780	-11.364	13.027
25	58368-1	.89305	-2.3902	-.00239	-6.1971	52.943	38.283
26	58368-1 1/10	.14884	-13.097	-.01309	1.9485	6.7735	3.8453
27	PBW 177472	.12969	-22.004	-.02200	-2.5953	-23.311	.05008
28	LCSW-1	50.657	1994.0	1.9939	1989.6	976.02	2040.2
29	LCSW-1 (RL)	14.731	261.83	.26185	25.536	109.04	14.095
30	60145-1	.87026	22.972	.02297	3.8887	6.6566	64.575
31	CCV	490.08	4903.2	4.9034	494.78	4864.3	4949.5
32	CCB	.64874	-17.329	-.01733	2.3430	22.251	.85277
33	60345-1	.65193	-12.360	-.01236	-.16466	-7.4666	136.31
34	60345-1S	53.582	2094.1	2.0942	2085.0	1029.8	2243.0
35	60345-1SD	52.276	2077.8	2.0780	2077.9	1022.5	2229.7
36	60345-3	.50428	-20.333	-.02033	3.5457	-8.6479	139.43
37	60345-5	.70890	-24.027	-.02402	5.1263	-9.6056	62.142
38	60345-7	.62159	-18.423	-.01842	.97081	-15.728	10.192
39	60345-7L	.15421	-25.214	-.02521	-1.3822	-4.4319	2.1094
40	60345-7A	41.946	1967.6	1.9678	1964.6	965.24	2001.4
41	60244-1 1/10	.56304	-5.7730	-.00577	.73778	32.449	2.3729
42	60349-1 1/10	.47400	-21.030	-.02103	1.2211	-.78505	.06986
43	CCV	495.83	4985.5	4.9858	496.01	4907.2	4983.8
44	CCB	.94764	-27.008	-.02701	3.3093	15.545	1.1950
45	60237-3 1/10	.35705	-30.179	-.03018	.08270	9.0031	4.4365
46	PBW 177430	.38570	-27.439	-.02744	3.3103	1.5295	.10836
47	LCSW-1	50.644	1988.5	1.9886	1981.1	986.43	2012.7
48	60160-2	.92064	352.65	.35268	-1.9266	.10455	140.75
49	60160-2L	.50455	113.02	.11303	1.9829	-1.3152	27.350
50	60160-2A	42.988	2367.3	2.3675	1985.3	973.88	2140.2
51	60160-2S	50.868	2394.6	2.3947	1992.7	1000.9	2143.3
52	60160-2SD	52.424	2476.3	2.4765	2050.8	1028.7	2215.7
53	60398-2	.47463	124.88	.12489	3.6330	6.2579	26.939

#	Sample Name	Ag	Al	2Al	As	B	Ba
54	CCV	494.25	5002.2	5.0024	498.58	4894.8	4964.9
55	CCB	.68589	-27.787	-.02778	-.69909	15.846	1.0301
56	60296-1	-.00279	252.06	.25208	2.1265	-12.693	73.312
57	60296-2	.74213	1458.3	1.4585	-.56195	-11.735	29.859
58	60296-3	.05790	331.05	.33108	.70563	-14.905	165.09
59	60296-4	.65157	-30.742	-.03074	-2.7911	-18.761	124.31
60	60296-5	.53352	4.0277	.00402	.82140	-19.035	133.63
61	60296-6	.44217	58.766	.05877	-.62258	-6.3286	46.959
62	60296-7	.65143	50.377	.05038	3.1488	-21.009	138.07
63	60296-8	.50316	-34.342	-.03434	.93782	-25.652	.10875
64	CCV	492.05	4963.9	4.9643	496.90	4866.2	4935.6
65	CCB	.23466	-30.181	-.03018	-.27598	12.386	.87242
66	PBW 177399	.95230	-14.719	-.01472	.37924	-9.8862	.61501
67	LCSS-1	52.595	2098.9	2.0989	2055.9	1000.3	2120.3
68	60144-1	1.2457	99388.	99.391	38.272	313.32	448.67
69	60144-1S	51.207	106740.	106.74	1945.0	1277.2	2317.9
70	60144-1SD	51.556	104990.	105.00	1944.9	1249.3	2335.8
71	60144-2	1.4361	80550.	80.553	57.306	278.60	419.91
72	60144-3	3.4385	132940.	132.94	45.187	237.12	711.50
73	60144-4	.85487	67855.	67.856	46.702	173.39	410.74
74	60144-5	1.2948	152260.	152.27	52.741	166.91	699.19
75	60144-6	.47354	111900.	111.90	41.685	275.90	487.05
76	CCV	486.76	4925.5	4.9257	489.00	4803.5	4882.5
77	CCB	.92133	-38.051	-.03805	3.1271	13.369	.89245
78	60144-7	1.2329	63512.	63.513	50.771	236.51	405.74
79	60379-6	.53314	39596.	39.598	19.343	-1.2350	254.73
80	60379-6L	.56250	7666.1	7.6662	2.4453	-.65720	49.701
81	60379-6A	42.738	40560.	40.561	1957.9	968.27	2233.8
82	60379-11	-.00339	33484.	33.484	29.914	-.79399	137.64
83	60379-16	.26254	36058.	36.059	18.000	-4.0298	207.30
84	60379-21	.35343	25459.	25.461	14.098	-6.6665	103.23
85	60379-26	.44351	47895.	47.898	16.146	-6.5651	202.56
86	60379-31	.65300	24420.	24.420	16.117	-8.2426	95.229
87	60379-36	.44302	28988.	28.989	21.530	-8.8527	133.58
88	CCV	494.87	5000.8	5.0009	495.34	4890.4	4959.7
89	CCB	.68187	-32.063	-.03206	-1.7196	12.785	1.0146
90	60379-41	.94676	34540.	34.542	8.9438	-3.1555	157.29
91	60379-45	.83387	41493.	41.493	21.472	-.14487	201.80
92	60166-1	.62556	-22.447	-.02244	1.0996	-17.082	.24786
93	60164-1	.44224	107.76	.10777	1.7564	8.4546	5.7803
94	60187-10	.86653	100750.	100.75	23.506	29.286	507.39
95	60191-8	.86167	20635.	20.635	35.860	45.464	146.20
96	PBW 177400	.19987	-24.068	-.02406	-2.8489	-18.862	.22244
97	LCSS-1	53.704	2139.0	2.1392	2106.2	1030.7	2160.0
98	60283-1	1.6385	157520.	157.52	112.37	110.04	1763.5
99	60283-2	.50407	255880.	255.89	34.976	104.22	1438.3
100	CCV	497.25	5029.8	5.0300	500.86	4912.9	4972.9
101	CCB	-.01200	-19.235	-.01923	-.16779	12.491	.89108
102	60283-3	1.7197	101510.	101.51	60.035	102.34	1324.6
103	60283-4	.77725	183260.	183.27	25.012	84.001	977.20
104	60283-5	7.7486	93761.	93.767	61.453	71.436	2263.5
105	60283-6	-.06784	228710.	228.72	22.889	100.47	1213.1
106	60283-7	1.0602	198120.	198.12	35.557	132.82	1339.8
107	60283-8	.68238	258650.	258.67	37.432	205.56	1287.4

#	Sample Name	Ag	Al	2Al	As	B	Ba
108	60283-9	.71994	142340.	142.34	42.247	129.87	1398.3
109	60283-10	.20878	236650.	236.67	25.397	88.117	1116.4
110	60273-1	-.04451	51667.	51.670	23.630	-10.211	196.19
111	60273-2	-.22278	42133.	42.135	13.217	-9.1747	186.73
112	CCV	497.26	4983.0	4.9835	493.80	4913.9	4967.7
113	CCB	.16969	-23.078	-.02308	.62666	11.148	1.1468
114	60273-3	-.23220	81911.	81.910	14.022	.39012	232.69
115	60273-4	-.03382	51267.	51.267	12.594	-7.0931	165.70
116	60273-5	-.11925	50751.	50.752	9.0976	-7.6458	198.41
117	60273-6	-.02348	45640.	45.641	15.176	-10.471	147.22
118	60273-7	.23293	54665.	54.666	14.577	-8.3985	141.71
119	60273-7L	.04583	10786.	10.786	2.9255	-5.1122	28.057
120	60273-7A	42.534	56005.	56.008	1961.0	978.94	2120.5
121	60273-7S	53.504	72678.	72.681	2055.3	1016.9	2254.4
122	60273-7SD	52.193	68254.	68.259	2033.4	1016.3	2246.0
123	CCV	504.26	5043.7	5.0441	504.08	4996.9	5031.9
124	CCB	.50281	-24.552	-.02455	.41736	15.538	1.3380
125	RL	10.740	178.51	.17852	22.762	77.940	10.385
126	ICSA	1.0086	547560.	547.58	6.9315	-9.5671	1.0313
127	ICSAB	214.46	533300.	533.31	105.54	-9.8800	515.10
128	CCV	504.29	5059.6	5.0600	507.83	4992.1	5035.2
129	CCB	.59777	-19.102	-.01910	2.7537	16.983	1.0756
130	CCV	485.98	4916.8	4.9170	494.02	4808.4	4852.5
131	CCB	.68764	-34.187	-.03419	-.25618	17.999	-.01367
132	PBW 177399	.37515	-15.123	-.01512	1.5317	-3.7309	.56925
133	60283-5 1/10	.19257	9188.6	9.1895	7.8102	9.0828	232.31
134	RL ICP	10.844	172.47	.17249	19.811	73.514	10.051
135	RL ICP	10.744	179.47	.17948	20.833	71.665	10.164
136	ICSA61	.63955	542910.	542.92	1.8323	-15.266	.79184
137	ICSAB61	214.26	533540.	533.56	99.253	-14.193	515.95
138	CCV	493.21	4925.0	4.9253	492.00	4894.6	4940.0
139	CCB	.31757	-18.579	-.01858	1.3232	13.144	.07982

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
1	HIGH STD 00032	1001.4	9980.6	998.32	997.99	10004.	9948.9
2	ICVP 00190	1034.3	1057.9	1043.1	1033.1	1042.6	1023.8
3	ICB	.00338	-.41138	-.31082	.70993	.09756	.61862
4	RL ICP 00044	4.0637	513.56	4.8408	10.956	10.292	20.928
5	ICSA61 00021	.01813	525950.	.83623	1.0969	1.4350	1.9849
6	ICSAB61 00037	516.91	519750.	992.38	490.85	498.78	547.10
7	CCVP 00072	521.38	5362.7	520.23	519.32	5209.1	5120.0
8	CCB	.01653	.52646	-.23102	.32812	.12134	.47081
9	PBW 177473	.00728	15.371	-.13137	.19043	-.28301	.56156
10	LCSW-1	51.142	5274.5	51.368	518.78	207.22	251.45
11	LCSW-1 (RL)	4.3376	570.83	5.2263	5.9693	5.8218	22.200
12	16115-1	-.01411	25046.	-.29320	.32260	.03383	1.4173
13	16115-1L	.00017	4866.0	-.42435	1.0405	-.45394	.10271
14	16115-1A	49.407	29038.	49.561	497.21	199.84	246.37
15	29380-1	.01124	42738.	-.26663	.30775	1.9744	3.7151
16	60337-1	.39278	18532.	.02707	.62750	.71395	3.3492
17	60345-1	.03483	34209.	-.27999	.84428	.06085	6.7322
18	60345-1S	54.042	41112.	54.183	542.52	217.20	270.03

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
19	CCV	494.89	5130.8	491.58	497.11	4950.1	4936.1
20	CCB	.16448	7.9311	.08899	.12734	.94411	1.4651
21	60345-1SD	50.593	39315.	50.481	510.16	203.88	257.36
22	60345-3	.05715	33282.	-.22571	.82343	.22901	5.7196
23	60345-5	.05571	21584.	.02807	.38804	-.59815	17.691
24	60345-7	.08334	6624.3	-.22499	.36713	.36496	1.5433
25	58368-1	.05317	54118.	-.21970	.42639	.37396	.95309
26	58368-1 1/10	.05034	5368.0	-.21996	.42791	.08368	.88594
27	PBW 177472	.07193	25.168	-.28416	.58212	-.03439	.06387
28	LCSW-1	49.344	5163.6	49.333	504.92	201.22	249.44
29	LCSW-1 (RL)	5.3594	711.47	6.0272	7.3890	6.4742	28.569
30	60145-1	.02212	8919.4	.04215	25.320	2.4548	35016.
31	CCV	489.77	5095.4	484.75	493.26	4911.4	4937.8
32	CCB	.15673	5.0830	.06395	.10478	.84064	1.3934
33	60345-1	.08830	33168.	-.38871	.17823	.25169	7.8903
34	60345-1S	51.486	39770.	51.191	522.75	208.18	264.21
35	60345-1SD	51.296	39628.	51.120	520.29	207.73	262.75
36	60345-3	.12516	33666.	-.12839	.56934	.44492	6.1936
37	60345-5	.09282	21631.	-.01795	.99849	.24947	14.179
38	60345-7	.07312	6533.7	-.24009	.95801	.19504	1.3627
39	60345-7L	.09451	1311.0	-.33999	.44954	-.28216	.53410
40	60345-7A	48.604	11599.	48.116	498.75	197.17	244.47
41	60244-1 1/10	.12113	6702.0	.06221	.70393	.90626	9.3403
42	60349-1 1/10	.08725	26.016	-.23654	.07872	-.17014	.55990
43	CCV	491.95	5139.5	485.77	497.29	4944.2	4971.7
44	CCB	.21654	8.4519	-.02884	.62459	.84646	2.0202
45	60237-3 1/10	.15537	5285.8	.05164	.31272	.33476	.87232
46	PBW 177430	.11075	41.376	-.25908	.11658	-.02962	.78422
47	LCSW-1	49.301	5090.0	49.268	504.30	200.19	248.29
48	60160-2	.12016	45483.	-.17229	.72140	.76729	1.2045
49	60160-2L	.09492	8815.6	.03952	.86200	.08830	1.6026
50	60160-2A	49.676	50199.	48.794	501.54	198.74	250.98
51	60160-2S	49.712	50562.	48.780	501.98	199.54	251.21
52	60160-2SD	51.135	52712.	50.006	515.54	205.51	260.53
53	60398-2	.12463	7489.0	.30391	.59886	1.4552	24.819
54	CCV	492.06	5170.2	486.81	498.29	4951.3	4959.0
55	CCB	.20411	9.3291	.15091	.72781	1.0201	1.8126
56	60296-1	.43857	2811.4	-.06170	198.65	4.1957	17.098
57	60296-2	.48771	676.19	-.06027	6.3744	27.854	15.473
58	60296-3	.92826	6204.1	-.03924	1.3554	28.313	3.2342
59	60296-4	.12885	5260.4	-.33344	2.6052	.14190	1.4181
60	60296-5	.60448	8529.5	-.02943	23.824	1.3651	1.3577
61	60296-6	.85325	2949.7	.20804	4.4576	26.118	2.9045
62	60296-7	.65421	8940.5	-.05767	23.493	1.1581	1.6135
63	60296-8	.11278	40.065	-.20956	.77882	.25398	.51387
64	CCV	489.68	5139.4	483.20	496.60	4916.2	4937.4
65	CCB	.17236	9.0955	-.15153	.37014	.80044	1.6042
66	PBW 177399	.12494	400.64	-.22002	.16697	.74654	1.6432
67	LCSS-1	51.906	5400.5	51.053	529.49	211.51	263.22
68	60144-1	6.7401	H1013e3	3.4292	32.144	349.38	60.002
69	60144-1S	53.232	H914090.	47.464	492.64	547.17	302.08
70	60144-1SD	52.909	H920860.	47.636	493.17	535.27	305.71
71	60144-2	5.7922	H1994e3	9.3499	44.715	297.46	85.405
72	60144-3	7.0738	H1144e3	5.4972	46.149	306.82	87.444

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
73	60144-4	4.5291	H1390e3	2.4171	31.792	188.29	55.673
74	60144-5	6.5901	H1098e3	3.2065	42.337	222.63	65.286
75	60144-6	6.5844	H1510e3	3.8576	39.420	298.01	59.369
76	CCV	484.63	5188.3	480.05	492.04	4881.8	4871.9
77	CCB	.23179	34.133	.01039	.19023	1.1079	1.8690
78	60144-7	5.0335	H1403e3	3.3884	37.285	234.00	49.657
79	60379-6	1.2961	14431.	.74655	19.583	280.16	94.366
80	60379-6L	.37352	2838.7	.12415	4.4410	54.881	18.051
81	60379-6A	49.870	19089.	48.654	513.56	468.33	339.33
82	60379-11	1.2538	13214.	3.2558	9.7344	431.20	66.799
83	60379-16	1.1720	73214.	2.8619	15.723	316.77	92.061
84	60379-21	.94325	8373.4	1.4732	7.5316	169.25	34.896
85	60379-26	1.9199	11643.	.73767	18.100	158.24	55.805
86	60379-31	.97509	2905.1	.61564	6.2641	232.30	41.712
87	60379-36	1.1287	11402.	3.9424	9.5631	217.18	46.816
88	CCV	494.05	5128.3	490.29	501.10	4974.1	4952.0
89	CCB	.22762	9.7913	-.20261	.84436	.87984	1.2698
90	60379-41	1.4238	11680.	.58946	16.236	79.243	44.711
91	60379-45	1.6710	15372.	.85460	18.512	260.07	175.24
92	60166-1	.12531	113.64	-.04536	.90242	.57962	.93681
93	60164-1	.14648	8717.7	-.15569	.29756	4.2524	20.192
94	60187-10	7.7221	345890.	10.512	28.049	149.75	224.61
95	60191-8	1.9241	H2235e3	1.2675	10.932	64.909	26.726
96	PBW 177400	.13282	49.489	-.15175	1.2064	1.6246	1.7829
97	LCSS-1	52.911	5406.7	53.001	540.48	214.59	268.84
98	60283-1	6.6657	747670.	22.464	64.007	540.59	927.51
99	60283-2	9.7926	550560.	3.2822	89.450	210.50	104.91
100	CCV	497.62	5214.3	492.08	503.13	4997.9	4963.2
101	CCB	.20465	23.853	-.10648	.12376	1.0465	1.0453
102	60283-3	4.6028	H1350e3	32.195	36.914	361.92	868.97
103	60283-4	8.0872	584430.	7.1296	46.925	165.51	113.17
104	60283-5	4.5671	H1564e3	27.771	35.497	204.17	870.78
105	60283-6	9.7694	495850.	3.2822	53.455	206.63	129.89
106	60283-7	8.0964	H804560.	14.170	47.307	242.99	363.37
107	60283-8	10.320	279630.	2.7219	59.725	221.41	117.50
108	60283-9	6.4978	H867260.	20.612	45.618	206.71	637.15
109	60283-10	9.7687	150730.	2.3893	67.655	209.98	106.24
110	60273-1	5.0533	16053.	-.38294	37.485	78.100	95.008
111	60273-2	4.6855	13876.	-.01990	19.937	60.256	52.944
112	CCV	497.00	5133.3	492.80	501.01	4989.7	4956.8
113	CCB	.20427	13.279	.19121	.64555	1.1919	1.3776
114	60273-3	4.7408	16281.	-.13567	38.664	99.374	45.115
115	60273-4	4.0850	10704.	-.18697	27.135	68.166	53.878
116	60273-5	4.2469	11471.	-.18123	28.541	61.749	41.996
117	60273-6	4.4203	12047.	-.26327	26.176	54.374	50.433
118	60273-7	2.9617	11220.	.47611	32.845	62.883	67.219
119	60273-7L	.67539	2258.3	-.12026	6.7509	12.775	12.991
120	60273-7A	52.080	16249.	48.927	529.92	260.47	313.07
121	60273-7S	55.000	19357.	51.349	562.05	285.09	335.93
122	60273-7SD	54.644	17271.	51.288	556.42	276.80	332.05
123	CCV	503.61	5191.5	497.69	507.72	5048.7	5021.2
124	CCB	.23020	8.1041	-.08732	.46359	1.3098	1.5849
125	RL	4.1596	513.17	4.7383	10.308	10.441	21.148
126	ICSA	.14425	519480.	2.7716	.95625	1.4443	2.3006

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
127	ICSAB	504.70	508000.	963.80	482.67	488.53	540.90
128	CCV	502.88	5206.9	498.58	507.97	5055.2	5031.7
129	CCB	.19477	10.373	.04410	1.2617	1.5557	1.5523
130	CCV	484.77	5037.6	478.31	490.96	4868.2	4860.8
131	CCB	.09121	6.4504	-.01601	.66660	.00764	.62233
132	PBW 177399	.12703	329.10	-.31135	.82316	.89318	1.2370
133	60283-5 1/10	.55992	151810.	2.5667	4.3966	21.047	85.215
134	RL ICP	4.1270	513.54	4.6348	10.971	10.448	20.688
135	RL ICP	4.1011	517.82	4.9566	10.669	9.9557	21.055
136	ICSA61	.12452	519330.	2.2766	1.2716	1.4284	2.1753
137	ICSAB61	506.08	511770.	966.24	485.92	491.06	542.17
138	CCV	495.18	5137.3	491.42	499.60	4969.0	4917.3
139	CCB	.06718	5.6772	-.27125	.52638	.12909	.12124

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
1	HIGH STD 00032	9975.4	9.9754	19932.	9980.5	9.9805	10002.
2	ICVP 00190	1021.6	1.0219	20188.	1072.3	1.0723	1040.0
3	ICB	-5.9482	-.00594	-9.6602	-2.5668	-.00256	.08965
4	RL ICP 00044	46.091	.04609	1001.6	526.39	.52623	10.316
5	ICSA61 00021	199330.	199.29	.86759	559650.	559.42	-1.4019
6	ICSAB61 00037	197090.	197.05	3.5527	552210.	551.99	503.55
7	CCVP 00072	5214.3	5.2143	10313.	5350.6	5.3506	5226.2
8	CCB	-6.9091	-.00690	.66967	-2.5239	-.00252	.12907
9	PBW 177473	-4.7190	-.00471	1.6776	-.00039	.00000	.05831
10	LCSW-1	1011.2	1.0113	5273.2	5270.4	5.2690	520.23
11	LCSW-1 (RL)	53.715	.05371	1090.0	549.58	.54941	10.974
12	16115-1	16.625	.01662	1637.7	9245.4	9.2428	6.0055
13	16115-1L	-7.9334	-.00793	285.65	1790.2	1.7897	1.2647
14	16115-1A	1007.0	1.0071	7294.2	14040.	14.037	508.04
15	29380-1	-2.1503	-.00214	417.07	6576.3	6.5745	.13564
16	60337-1	24.963	.02496	1605.9	4808.2	4.8069	75.201
17	60345-1	13.957	.01395	781.02	5724.2	5.7226	4.8689
18	60345-1S	1110.4	1.1105	6407.1	11598.	11.594	552.59
19	CCV	4947.7	4.9477	10033.	5109.4	5.1093	4996.5
20	CCB	-10.228	-.01022	1.6576	.00825	.00001	1.3324
21	60345-1SD	1033.5	1.0336	6205.1	10986.	10.983	520.50
22	60345-3	7.3023	.00730	772.54	5584.7	5.5831	1.3281
23	60345-5	-3.8166	-.00381	580.33	4012.8	4.0117	.25919
24	60345-7	631.37	.63128	440.48	915.94	.91564	172.95
25	58368-1	149.19	.14917	8549.1	37787.	37.776	12.904
26	58368-1 1/10	4.6891	.00468	657.79	3696.4	3.6954	1.3148
27	PBW 177472	-19.038	-.01903	7.3166	-.00252	.00000	.10931
28	LCSW-1	1013.8	1.0139	5254.4	5140.0	5.1386	508.55
29	LCSW-1 (RL)	65.361	.06535	1404.4	679.48	.67928	13.678
30	60145-1	388.16	.38812	4349.6	3174.7	3.1738	185.71
31	CCV	4904.3	4.9043	10052.	5085.4	5.0854	4970.7
32	CCB	-19.034	-.01903	4.4697	.00276	.00000	.81055
33	60345-1	-7.9193	-.00791	760.94	5583.7	5.5822	.37554
34	60345-1S	1165.1	1.1652	6478.0	11231.	11.228	529.77
35	60345-1SD	1041.2	1.0413	6377.2	11185.	11.182	528.03
36	60345-3	-2.5924	-.00259	772.12	5686.4	5.6848	.24876
37	60345-5	-.99021	-.00098	579.75	4041.3	4.0402	.11288

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
38	60345-7	10.151	.01015	427.72	904.19	.90393	.43642
39	60345-7L	-11.235	-.01123	77.237	176.37	.17632	.24770
40	60345-7A	984.83	.98491	5800.8	6118.0	6.1163	502.87
41	60244-1 1/10	200.78	.20075	H38496.	2257.1	2.2564	99.074
42	60349-1 1/10	-7.2411	-.00724	-.72915	-.00029	.00000	.12972
43	CCV	4950.6	4.9507	10229.	5141.6	5.1415	5013.2
44	CCB	-8.7413	-.00873	6.1291	.00684	.00000	1.1106
45	60237-3 1/10	2.2253	.00222	763.39	3617.6	3.6166	1.7338
46	PBW 177430	1.5257	.00152	.07558	-4.8986	-.00489	.02429
47	LCSW-1	996.42	.99651	4993.5	5121.4	5.1201	507.76
48	60160-2	7.2575	.00725	10870.	3252.6	3.2517	2.2865
49	60160-2L	-7.9366	-.00793	2069.5	628.45	.62827	.89429
50	60160-2A	1025.7	1.0258	16139.	8442.8	8.4405	508.64
51	60160-2S	1005.3	1.0054	16098.	8424.9	8.4225	508.91
52	60160-2SD	1020.5	1.0206	16750.	8699.4	8.6970	523.79
53	60398-2	973.49	.97336	14026.	2497.4	2.4965	23.884
54	CCV	4979.6	4.9796	10259.	5185.2	5.1851	5029.4
55	CCB	-15.078	-.01507	-.32414	-2.5135	-.00250	1.0416
56	60296-1	353.33	.35335	2394.2	886.50	.88629	245.23
57	60296-2	1290.0	1.2898	975.96	747.27	.74683	10.260
58	60296-3	2602.1	2.6018	1551.0	2708.1	2.7069	25.975
59	60296-4	20.494	.02049	2378.9	2061.0	2.0604	38.049
60	60296-5	1341.9	1.3418	2225.0	3365.5	3.3644	283.30
61	60296-6	265.46	.26542	2236.1	3420.5	3.4195	100.98
62	60296-7	1330.6	1.3304	2352.4	3470.3	3.4692	280.19
63	60296-8	-12.754	-.01275	1.7821	2.4622	.00246	.09879
64	CCV	4937.4	4.9374	10231.	5149.1	5.1490	4997.2
65	CCB	-11.880	-.01187	3.5899	2.4726	.00247	.82433
66	PBW 177399	51.694	.05168	23.769	9.9834	.00997	.88447
67	LCSS-1	1069.1	1.0691	5009.0	5336.8	5.3354	535.96
68	60144-1	141960.	141.94	H48963.	32044.	32.011	1329.3
69	60144-1S	144760.	144.74	H55452.	37206.	37.171	1739.0
70	60144-1SD	140050.	140.02	H53758.	36211.	36.177	1816.2
71	60144-2	126580.	126.56	H48678.	29225.	29.195	1822.9
72	60144-3	149360.	149.33	H47387.	37466.	37.430	1980.7
73	60144-4	99427.	99.408	30106.	23586.	23.562	1535.0
74	60144-5	159520.	159.49	H45516.	38445.	38.407	2219.4
75	60144-6	162650.	162.61	H48874.	35326.	35.289	2997.4
76	CCV	4898.9	4.8989	10161.	5129.7	5.1297	4969.2
77	CCB	-18.258	-.01825	-2.6823	.00427	.00000	.99279
78	60144-7	107210.	107.18	H35741.	23506.	23.481	1297.1
79	60379-6	83136.	83.122	7113.0	14430.	14.412	518.90
80	60379-6L	16277.	16.274	1388.4	2828.5	2.8249	102.32
81	60379-6A	81569.	81.553	12237.	19311.	19.291	1004.8
82	60379-11	86637.	86.620	3665.3	7138.1	7.1210	310.37
83	60379-16	73881.	73.868	10122.	29430.	29.409	889.90
84	60379-21	48135.	48.129	5486.8	4825.8	4.8162	392.64
85	60379-26	107920.	107.90	20404.	15014.	14.992	1718.9
86	60379-31	55288.	55.279	2829.4	2251.5	2.2412	172.85
87	60379-36	65193.	65.181	6259.8	5480.0	5.4672	482.31
88	CCV	4987.9	4.9879	10321.	5205.4	5.2053	5050.4
89	CCB	-.74893	-.00074	6.3005	7.4244	.00742	1.0090
90	60379-41	74405.	74.393	19467.	14528.	14.512	1644.8
91	60379-45	98375.	98.355	7792.8	14328.	14.307	847.42

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
92	60166-1	12.476	.01247	28.000	10.042	.01003	.28726
93	60164-1	2495.8	2.4955	753.94	1802.4	1.8015	57.643
94	60187-10	112180.	112.16	4682.0	9282.0	9.2601	916.69
95	60191-8	43969.	43.961	9932.9	17232.	17.220	1414.2
96	PBW 177400	32.881	.03287	26.383	2.5298	.00252	.50816
97	LCSS-1	1092.5	1.0926	5331.7	5493.5	5.4920	546.17
98	60283-1	403340.	403.26	34210.	35808.	35.729	3962.9
99	60283-2	155940.	155.91	H45991.	51924.	51.884	3948.5
100	CCV	4992.3	4.9923	10351.	5229.4	5.2293	5070.7
101	CCB	-9.3319	-.00933	5.8883	.00556	.00000	.95556
102	60283-3	167750.	167.72	25515.	27313.	27.277	1832.0
103	60283-4	122580.	122.56	H36123.	40685.	40.654	3448.7
104	60283-5	148480.	148.45	22886.	27009.	26.976	1716.9
105	60283-6	144050.	144.03	H43433.	49086.	49.048	3041.8
106	60283-7	137220.	137.19	H44504.	42017.	41.982	2186.2
107	60283-8	164210.	164.18	H48899.	54678.	54.635	2748.8
108	60283-9	135630.	135.60	H37228.	34601.	34.568	1963.5
109	60283-10	161240.	161.22	H46444.	47604.	47.564	4064.1
110	60273-1	94452.	94.437	4148.1	21965.	21.943	1169.6
111	60273-2	91645.	91.630	4190.2	13915.	13.896	1115.1
112	CCV	4977.3	4.9773	10341.	5201.0	5.2009	5057.0
113	CCB	-7.7306	-.00772	11.290	2.5311	.00253	1.2005
114	60273-3	119270.	119.25	4174.4	31437.	31.408	1802.2
115	60273-4	94637.	94.617	3559.6	18929.	18.907	1456.3
116	60273-5	76294.	76.280	4044.1	17918.	17.901	1236.5
117	60273-6	83224.	83.209	3522.5	17206.	17.187	1305.3
118	60273-7	89964.	89.946	2955.7	17204.	17.184	1502.8
119	60273-7L	18011.	18.008	566.33	3434.6	3.4306	301.16
120	60273-7A	89981.	89.966	8290.8	22388.	22.367	1985.7
121	60273-7S	107870.	107.86	8652.1	28933.	28.906	2308.2
122	60273-7SD	96577.	96.562	8445.6	23579.	23.556	2017.9
123	CCV	5039.0	5.0390	10497.	5269.4	5.2694	5119.2
124	CCB	-6.0701	-.00606	3.3137	.00952	.00001	1.4044
125	RL	59.429	.05942	1032.4	523.70	.52354	10.431
126	ICSA	198600.	198.56	11.868	565240.	565.01	-1.3182
127	ICSAB	194170.	194.12	.99048	551570.	551.33	499.21
128	CCV	5039.7	5.0398	10520.	5292.8	5.2927	5121.9
129	CCB	-15.892	-.01588	4.1842	10.348	.01034	1.1559
130	CCV	4857.3	4.8573	10238.	5106.1	5.1061	4944.6
131	CCB	-15.063	-.01506	.08553	-.00300	.00000	-.04779
132	PBW 177399	46.387	.04638	23.720	13.187	.01317	.81085
133	60283-5 1/10	15547.	15.545	1823.2	2796.8	2.7934	177.34
134	RL ICP	38.553	.03855	1019.8	521.16	.52100	10.159
135	RL ICP	40.016	.04001	1032.7	529.94	.52978	10.190
136	ICSA61	197670.	197.63	-4.1531	561390.	561.16	-1.3752
137	ICSAB61	194990.	194.95	-4.2289	552720.	552.50	500.20
138	CCV	4967.7	4.9677	10280.	5187.3	5.1873	5024.5
139	CCB	-5.8863	-.00588	-1.0670	2.5791	.00257	.02156

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
1	HIGH STD 00032	1001.4	14824.	4978.8	1001.7	9989.4	992.95
2	ICVP 00190	1047.6	10232.	1035.0	1036.4	1049.0	996.49
3	ICB	.42901	17.908	.01751	1.5600	-1.0277	-3.8961
4	RL ICP 00044	8.4186	925.70	40.317	9.1933	22.552	19.532
5	ICSA61 00021	-2.0420	99.492	-1.0755	-.00616	1.3608	2.3735
6	ICSAB61 00037	1121.8	245.81	964.78	52.275	53.000	636.66
7	CCVP 00072	525.36	7634.3	2594.4	525.79	5226.2	517.57
8	CCB	1.4127	103.03	-.47272	.70034	.53409	-1.7439
9	PBW 177473	-1.8845	-64.783	.76567	1.1085	5.7928	-4.6184
10	LCSW-1	509.98	4902.3	512.79	516.18	2098.1	506.07
11	LCSW-1 (RL)	11.062	1165.9	42.912	9.3858	22.740	18.710
12	16115-1	-1.5742	42235.	-.01656	-.12700	-.97113	-3.1906
13	16115-1L	-.84819	7878.2	-.44393	-1.1404	-4.3942	-5.5000
14	16115-1A	490.54	46123.	490.27	496.06	2025.2	481.40
15	29380-1	-.43821	2833.1	-.10657	1.2134	.25925	-4.3041
16	60337-1	-.03335	42837.	5.3346	6.1019	-1.0582	-2.8759
17	60345-1	-1.0715	9398.9	1.3907	.65687	3.9081	-2.1805
18	60345-1S	535.43	15050.	536.98	541.22	2190.2	535.49
19	CCV	496.45	7506.8	2479.3	501.02	4982.6	490.72
20	CCB	.35270	92.587	1.3525	-.44949	2.8277	-4.5329
21	60345-1SD	504.03	14508.	501.69	507.48	2048.4	511.15
22	60345-3	-.70914	9255.0	.44097	.26050	1.4518	-.56016
23	60345-5	-1.0295	6187.3	.51422	1.3422	-1.2414	-7.2646
24	60345-7	-1.6629	1328.3	1.0305	1.3990	6.6163	-1.1046
25	58368-1	-1.4834	H193400.	-.30003	.24803	-4.1620	-3.8627
26	58368-1 1/10	-2.2381	16629.	.47846	.87832	-.28278	-6.4644
27	PBW 177472	-3.2165	161.86	.68315	.24371	-.35090	-6.0152
28	LCSW-1	490.80	4716.2	501.51	502.21	2020.0	495.94
29	LCSW-1 (RL)	14.779	1417.6	52.854	14.510	28.511	21.462
30	60145-1	-.51220	22992.	4190.3	4.9114	-2.3036	-1.2091
31	CCV	486.50	7372.1	2464.5	496.96	4905.7	485.40
32	CCB	.51522	82.416	-.07529	-.22341	1.9185	-2.7223
33	60345-1	-.40699	9198.8	-.31752	.60685	5.0305	-5.5124
34	60345-1S	508.45	14936.	516.00	519.93	2105.4	519.95
35	60345-1SD	510.80	14737.	512.29	519.91	2071.4	519.13
36	60345-3	.03058	9385.4	.66344	.60256	.52864	-.85653
37	60345-5	.16479	6085.0	.30570	.70869	-1.5662	-.68560
38	60345-7	-1.1662	1372.8	.01801	.18340	.36620	-4.3321
39	60345-7L	-2.2261	235.06	-.70251	.46511	-.50668	-3.4016
40	60345-7A	476.81	6220.7	492.15	494.99	1972.4	472.86
41	60244-1 1/10	-.53609	52477.	.31420	-.22863	-.65790	.54077
42	60349-1 1/10	-1.8777	47.173	-.43570	2.7079	-1.8535	-2.9478
43	CCV	491.83	7378.4	2479.0	499.08	4917.4	489.47
44	CCB	-1.2580	92.169	.21919	.56273	.06392	-1.5456
45	60237-3 1/10	-1.9668	19888.	-.57097	-.67634	1.4369	-3.9298
46	PBW 177430	-1.6112	91.620	-.69789	.37322	2.8614	-3.4802
47	LCSW-1	485.09	4811.3	498.56	501.95	1990.3	489.82
48	60160-2	-1.1646	8787.5	-.24969	.45066	-.64669	-3.1031
49	60160-2L	-.56525	1744.5	.07499	.92072	3.2645	-3.5937
50	60160-2A	478.60	13666.	495.08	495.65	1978.4	483.62
51	60160-2S	490.91	13790.	497.59	496.25	1967.4	494.72
52	60160-2SD	504.82	14425.	510.55	511.29	2007.1	513.55
53	60398-2	8.4322	31467.	2.6846	3.4326	2.2645	-2.9324

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
54	CCV	492.98	7522.6	2495.4	503.81	4923.4	491.55
55	CCB	.12658	140.61	.22565	1.8010	6.0205	-1.9788
56	60296-1	5.1354	5697.4	33.893	.56669	.00598	-2.5261
57	60296-2	2.2935	3706.0	29.775	3.7223	-.99844	-3.6725
58	60296-3	3.0981	21096.	22.806	-.32560	-1.2908	-1.8145
59	60296-4	5.3298	33450.	132.98	-.35278	-.55850	-5.4786
60	60296-5	-.80328	22819.	4.3029	.00813	2.5951	-7.7549
61	60296-6	8.9695	H243890.	125.03	-1.2031	2.2391	-2.7336
62	60296-7	-.13405	23782.	2.9575	-1.0761	.22295	-3.0364
63	60296-8	-2.9590	174.75	.43793	1.0270	1.9590	-5.2813
64	CCV	488.84	7467.1	2475.0	501.20	4900.0	491.43
65	CCB	-.30689	74.582	.52189	.68565	2.2889	-3.6734
66	PBW 177399	-1.5265	204.05	-.37860	2.9339	1.2694	-5.9357
67	LCSS-1	506.69	5190.9	522.65	525.88	2035.4	508.82
68	60144-1	1.8449	1583.9	81.966	160.48	1.9114	-1.1712
69	60144-1S	452.88	6620.7	532.57	630.79	1903.0	376.55
70	60144-1SD	435.82	6592.1	528.17	645.72	1899.6	279.66
71	60144-2	1.1190	2392.7	82.081	167.26	-.21248	1.9863
72	60144-3	1.8580	1628.3	102.98	289.21	5.1605	-.35817
73	60144-4	1.4457	2357.2	65.111	98.873	2.6634	-2.0489
74	60144-5	.49670	1401.6	106.75	93.486	2.9806	1.3616
75	60144-6	2.5655	2182.2	90.428	85.044	2.3660	1.8912
76	CCV	481.57	7483.5	2460.9	498.03	4863.9	482.25
77	CCB	-.75774	-55.648	.03811	-.04604	1.4452	-4.5081
78	60144-7	1.7029	1795.1	65.006	106.26	5.8084	1.7296
79	60379-6	2.6120	667.85	57.404	40.723	.38318	-2.6191
80	60379-6L	-2.1085	238.53	10.857	8.2095	-.50762	-5.5498
81	60379-6A	481.36	5682.2	544.82	525.77	1903.8	478.40
82	60379-11	6.4949	271.25	22.816	110.04	-.47493	2.1333
83	60379-16	7.3036	1190.3	30.931	357.67	4.9528	3.1023
84	60379-21	2.6923	1127.2	12.645	46.085	2.6848	-2.3943
85	60379-26	1.4533	331.00	21.275	40.980	4.5522	-.78987
86	60379-31	2.7785	553.48	10.982	47.094	-.93720	-1.4955
87	60379-36	2.4454	1087.2	15.519	90.239	.55551	-2.7974
88	CCV	489.75	7670.9	2504.0	504.33	4912.2	489.75
89	CCB	-.08406	184.78	-.56152	.45811	2.4330	-4.4650
90	60379-41	.53358	613.81	24.300	32.611	1.9938	-4.7009
91	60379-45	.42865	668.78	50.999	43.255	-2.4682	-3.4142
92	60166-1	-.52211	393.34	-1.7608	.71398	-2.4843	-1.4222
93	60164-1	1.4440	32392.	1.0097	3.2548	-.61305	.37331
94	60187-10	8.3087	1484.1	51.141	580.49	.78409	-2.9165
95	60191-8	-.55567	1318.8	32.273	40.128	-2.4343	-.64955
96	PBW 177400	-1.8043	206.22	.64869	-.43534	-1.0991	-4.2927
97	LCSS-1	518.12	5338.7	536.72	538.50	2098.3	524.20
98	60283-1	27.407	879.89	214.75	16155.	6.8355	14.841
99	60283-2	-.83749	1243.8	124.54	505.09	.67829	-2.6827
100	CCV	491.53	7618.7	2507.1	507.96	4946.8	496.64
101	CCB	-.24251	46.380	.32173	3.0628	-.05024	-5.6309
102	60283-3	13.460	750.09	155.89	15758.	3.9629	25.420
103	60283-4	-.42551	1050.3	108.25	806.19	1.9876	-3.2231
104	60283-5	7.3174	908.16	111.40	H25898.	3.4268	11.146
105	60283-6	-.16321	1518.0	116.97	592.14	3.8435	-4.7919
106	60283-7	3.5490	829.58	120.84	4263.1	4.4451	-1.9161
107	60283-8	1.6344	3048.1	119.79	298.87	-.57486	.06485

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
108	60283-9	5.6300	1081.4	135.36	5622.5	4.1711	5.0873
109	60283-10	.57762	4813.1	131.69	171.16	.72715	-.17824
110	60273-1	2.8859	268.02	59.208	41.208	-.19369	-.34106
111	60273-2	8.6288	443.92	50.478	53.495	-.30330	-1.8687
112	CCV	489.35	7540.0	2498.9	506.53	4923.4	487.78
113	CCB	-.33585	-.40935	-.26330	-.60919	1.7283	.15218
114	60273-3	2.9476	146.59	72.731	55.239	-1.4875	-4.4985
115	60273-4	4.7004	-154.92	43.202	40.434	3.7647	-3.5637
116	60273-5	1.4347	333.97	45.812	60.603	-.39751	-2.3558
117	60273-6	4.1856	262.56	38.071	53.817	.92927	-2.4157
118	60273-7	3.1545	169.54	50.881	114.81	1.3422	-3.5077
119	60273-7L	-1.5293	-18.573	8.9198	23.437	1.9744	-6.0362
120	60273-7A	479.26	5141.2	540.04	604.61	1938.7	482.36
121	60273-7S	496.60	5169.2	580.72	627.18	2033.7	454.80
122	60273-7SD	487.36	5298.9	568.87	630.93	2025.0	411.05
123	CCV	497.99	7625.1	2533.8	512.32	4969.8	497.33
124	CCB	-.93150	93.983	1.0996	.24747	4.7635	-1.5374
125	RL	8.2810	1177.0	40.448	10.591	20.960	14.891
126	ICSA	.18434	17.113	-.96511	2.5511	-1.4236	.02948
127	ICSAB	1079.7	11.860	948.22	47.943	53.493	627.63
128	CCV	495.29	7573.4	2532.8	512.83	4980.5	499.60
129	CCB	-1.0615	133.38	-.24368	-.26117	.24161	-1.2391
130	CCV	479.34	7369.5	2453.4	494.37	4796.2	481.46
131	CCB	-.55520	36.995	-.27422	-.26999	1.9734	-.93095
132	PBW 177399	-.79881	165.81	.00002	2.3102	-2.1348	2.6779
133	60283-5 1/10	-.78133	118.71	9.9963	2650.6	-.11907	-.66115
134	RL ICP	9.1184	1038.1	39.836	11.805	19.055	15.549
135	RL ICP	10.107	1085.3	41.761	8.3713	20.154	16.784
136	ICSA61	-1.7051	259.77	-.03095	-1.5873	.20846	-4.3782
137	ICSAB61	1093.8	148.30	955.51	50.924	52.144	627.93
138	CCV	489.85	7475.0	2497.4	503.42	4901.6	494.02
139	CCB	.25094	65.827	.03965	-1.6443	-2.0039	-1.5965

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
1	HIGH STD 00032	9988.7	4978.2	997.62	9980.3	9996.3	4996.7
2	ICVP 00190	1075.4	1051.9	1016.0	1027.3	1049.8	1047.2
3	ICB	-1.3026	-.03910	.15289	1.0660	.54330	.39405
4	RL ICP 00044	51.577	10.497	10.133	25.745	10.206	20.968
5	ICSA61 00021	5.5870	2.4624	2.3552	-8.0317	-2.0070	5.0048
6	ICSAB61 00037	1169.3	2.4179	2.3963	102.34	523.81	997.26
7	CCVP 00072	5371.0	2609.2	516.16	5216.3	5350.9	2633.3
8	CCB	2.4364	.05443	.19697	6.6796	.39193	.00909
9	PBW 177473	1.4605	.03168	-.20286	-.14911	.30878	1.2004
10	LCSW-1	1055.6	526.00	715.09	2124.7	524.58	526.76
11	LCSW-1 (RL)	57.636	11.169	11.024	27.523	11.513	23.526
12	16115-1	2.4747	105.25	.11031	2.2919	.52930	32.794
13	16115-1L	1.8451	20.564	-.01700	2.7559	.20159	6.7436
14	16115-1A	1039.9	617.25	996.24	2070.9	507.67	535.94
15	29380-1	-1.1813	88.883	.50036	-.14627	2.8619	88.247
16	60337-1	1.2849	105.66	.15861	.60301	.19653	32.716
17	60345-1	1.3368	608.31	.36319	1.6815	.37252	7.7166
18	60345-1S	1113.2	1161.4	751.26	2217.7	555.93	559.20

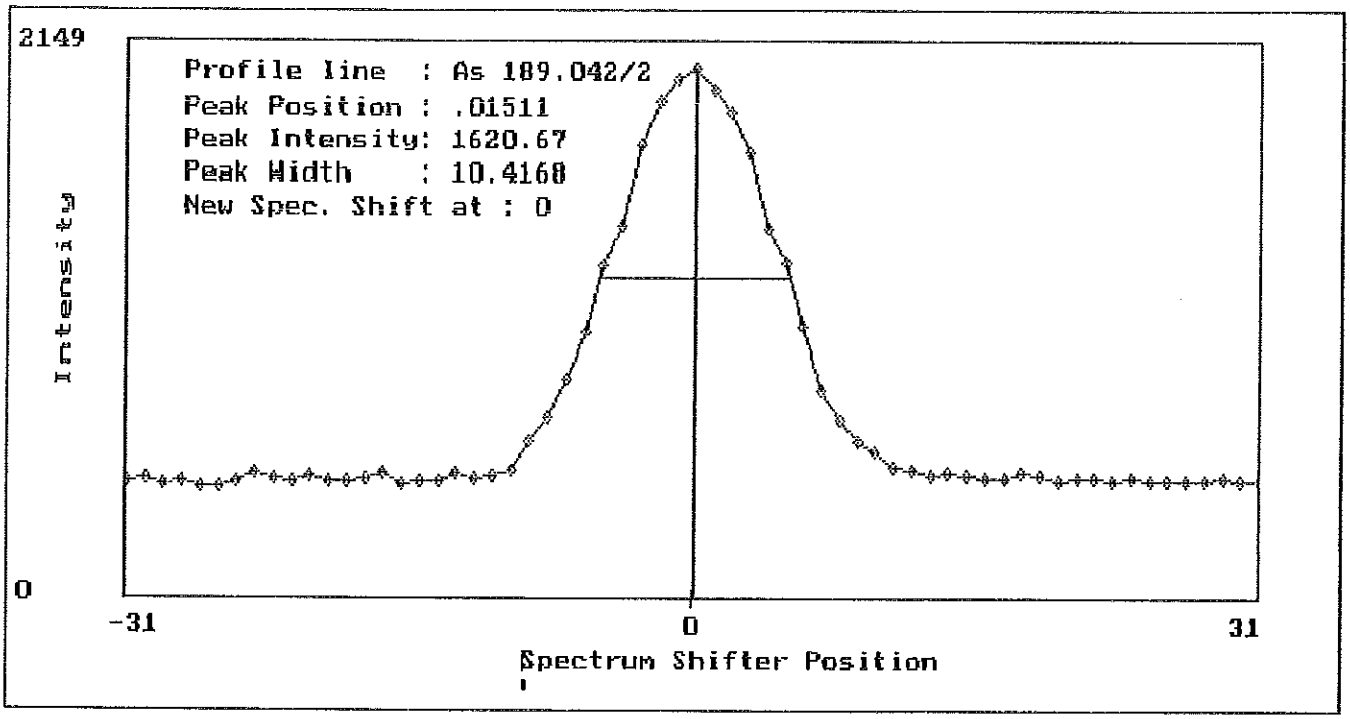
#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
19	CCV	5105.1	2486.3	494.84	4964.2	5132.1	2505.4
20	CCB	2.2581	.67911	.11503	5.7356	1.4300	.58354
21	60345-1SD	1045.2	1116.3	709.45	2093.6	523.42	522.27
22	60345-3	2.0245	591.49	.39813	5.0867	.71328	5.8739
23	60345-5	-1.5281	264.96	-.02122	3.3298	.56373	5.4640
24	60345-7	2.8444	16.573	1.1080	-.88860	.99132	3.3634
25	58368-1	-.30292	H12129.	.03436	.91822	-.09285	.26899
26	58368-1 1/10	1.1889	1296.4	-.19627	-3.4901	.18308	-.05310
27	PBW 177472	2.9095	.45359	-.09356	-2.7760	.12750	.74485
28	LCSW-1	1018.2	504.92	698.13	2059.7	516.19	511.48
29	LCSW-1 (RL)	68.478	13.734	13.682	38.302	14.114	28.483
30	60145-1	6.3455	106.50	.73731	-.35357	-1.1675	720.31
31	CCV	5064.4	2445.0	491.36	4909.6	5118.5	2491.6
32	CCB	1.9038	.45243	.20220	3.0000	.85786	.56726
33	60345-1	1.5037	576.26	-.06694	.92077	.57679	6.5766
34	60345-1S	1070.2	1113.4	724.36	2128.9	538.36	538.45
35	60345-1SD	1067.3	1104.6	722.11	2127.9	537.05	538.01
36	60345-3	2.6085	587.45	.45816	1.7552	.52109	4.8854
37	60345-5	1.6962	260.35	-.00953	-.31816	.29566	2.6226
38	60345-7	3.4306	15.905	-.02622	-.42405	-.17078	5.3259
39	60345-7L	1.9083	3.2865	.09581	2.6441	-.02018	8.0517
40	60345-7A	1029.5	512.77	991.52	2023.8	510.53	511.20
41	60244-1 1/10	4.1449	20.158	.80455	.01426	.33936	16.365
42	60349-1 1/10	1.0657	.19048	.00331	1.1092	-.17442	4745.3
43	CCV	5101.1	2447.3	494.76	4938.9	5169.3	2510.7
44	CCB	6.9415	.56644	.34814	3.8965	1.5497	.72624
45	60237-3 1/10	1.3063	1320.1	.05841	-2.4488	.75630	.77081
46	PBW 177430	1.4446	.16703	-.15795	-2.8118	.20295	1.9111
47	LCSW-1	1012.7	489.19	689.94	2034.2	515.97	511.77
48	60160-2	2.0245	2027.1	.81911	7.4899	1.2738	4.7505
49	60160-2L	2.3415	400.70	.14889	4.8586	.14066	.89178
50	60160-2A	1030.9	2487.9	985.56	2034.8	517.51	513.83
51	60160-2S	1021.7	2512.1	695.03	2019.6	519.96	511.07
52	60160-2SD	1049.5	2617.4	713.92	2071.8	533.38	522.72
53	60398-2	7.5027	33.322	4.4974	5.5320	1.0766	94.553
54	CCV	5128.2	2422.3	495.17	4917.3	5188.8	2534.3
55	CCB	2.8354	.51765	.26599	1.3086	1.4536	.54274
56	60296-1	.23113	38.731	10.088	2.8921	-.03540	45.075
57	60296-2	.60449	12.599	12.543	1.8671	1.3668	45.057
58	60296-3	.42109	90.600	13.972	3.2637	1.1979	22.476
59	60296-4	1.2259	82.032	.05538	-2.2434	.30018	5.7174
60	60296-5	1.2157	127.24	2.5447	-4.9678	-.20970	9.5196
61	60296-6	2.5443	44.559	2.5182	-.09932	.97891	12.648
62	60296-7	2.1007	130.45	6.8908	1.7056	.35551	12.688
63	60296-8	2.3775	.02097	.06728	.45150	.03482	1.6614
64	CCV	5093.2	2414.7	491.85	4903.9	5154.4	2517.0
65	CCB	3.0145	.41745	.24015	2.8386	.49415	.84143
66	PBW 177399	18.925	5.2681	.37878	1.1560	.49320	10.789
67	LCSS-1	1064.3	513.20	724.19	2116.4	543.85	538.32
68	60144-1	17.353	902.05	635.11	-6.7345	248.03	405.44
69	60144-1S	981.41	1297.6	1236.9	1915.8	739.33	862.40
70	60144-1SD	982.43	1307.5	1094.9	1921.0	726.57	873.85
71	60144-2	22.706	1260.4	552.76	2.2308	264.38	300.67
72	60144-3	17.887	1122.3	551.27	2.7456	300.98	504.57

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
73	60144-4	18.225	1303.4	389.04	-6.7215	225.65	282.09
74	60144-5	16.067	1042.9	640.72	-2.3969	362.65	364.35
75	60144-6	17.558	1338.8	696.11	-5.6379	280.42	365.10
76	CCV	5052.6	2380.1	488.08	4856.6	5120.5	2507.8
77	CCB	3.3598	.47450	.26780	7.3968	.87058	.78694
78	60144-7	18.501	1119.0	406.89	-1.3684	194.66	340.50
79	60379-6	12.456	36.765	1468.0	-2.4446	190.21	95.473
80	60379-6L	4.3017	7.2320	286.23	-2.5204	37.634	19.818
81	60379-6A	1054.5	531.58	2418.2	1987.0	691.51	591.04
82	60379-11	20.294	31.753	1032.6	-3.2654	229.22	69.771
83	60379-16	19.986	83.399	1987.8	-1.4431	163.80	138.21
84	60379-21	18.993	25.590	1068.1	-1.4527	122.78	63.721
85	60379-26	21.240	29.886	4187.7	-5.8404	182.60	183.23
86	60379-31	16.250	21.637	671.35	-.88610	158.38	51.889
87	60379-36	19.219	29.705	1303.6	-2.4147	160.09	89.446
88	CCV	5149.5	2427.1	497.35	4948.5	5197.8	2550.8
89	CCB	4.6319	.46391	.28091	.02071	1.3176	.88973
90	60379-41	20.398	20.481	3911.6	1.3889	119.00	162.03
91	60379-45	20.430	36.364	1827.4	-2.8330	203.29	137.73
92	60166-1	16.716	.09327	2.0954	.48499	.60236	17.065
93	60164-1	15.672	74.793	3.7355	1.5444	.78487	28.192
94	60187-10	49.015	659.33	1228.7	-3.7954	268.67	3338.9
95	60191-8	16.013	1125.6	197.65	-7.3700	158.79	127.66
96	PBW 177400	15.948	.06867	.22503	-2.8339	.22240	5.0667
97	LCSS-1	1095.3	527.05	740.65	2185.8	554.02	551.97
98	60283-1	111.66	970.35	503.58	-15.250	255.75	3480.7
99	60283-2	24.335	837.33	847.64	-7.5776	309.33	507.00
100	CCV	5160.6	2454.2	498.13	4972.1	5206.0	2555.3
101	CCB	.85164	.45232	.26607	4.1801	1.2409	.48944
102	60283-3	504.42	1284.9	534.48	-7.6319	216.96	7257.2
103	60283-4	22.074	897.32	476.75	-3.3402	249.52	730.83
104	60283-5	3676.5	1667.1	383.11	-10.465	230.28	5124.7
105	60283-6	34.408	825.45	559.85	-5.2310	274.08	545.96
106	60283-7	53.173	977.20	560.87	-5.5611	270.89	2139.8
107	60283-8	18.761	707.61	755.58	-5.9657	290.55	583.55
108	60283-9	262.71	1227.3	473.55	-4.9416	239.48	3062.0
109	60283-10	24.297	571.64	775.98	-1.2233	297.12	493.23
110	60273-1	22.004	113.05	3235.4	-3.2778	167.80	270.26
111	60273-2	24.504	116.92	3874.4	-1.7604	124.03	301.51
112	CCV	5142.5	2455.4	498.90	4968.2	5183.5	2541.5
113	CCB	2.1516	.54215	.69111	5.9657	1.6299	.64947
114	60273-3	24.267	151.26	3839.8	-2.2077	155.97	328.05
115	60273-4	21.648	107.36	4261.4	-.18817	166.08	237.37
116	60273-5	17.978	110.47	3312.0	2.6907	116.95	230.08
117	60273-6	16.926	81.321	3577.5	-3.4443	126.12	244.80
118	60273-7	19.111	85.799	3148.5	-3.8336	128.32	235.76
119	60273-7L	5.3727	16.982	627.81	-.90877	26.370	48.236
120	60273-7A	1058.7	584.06	4086.1	2007.1	632.39	735.77
121	60273-7S	1074.9	627.74	5045.3	2101.3	689.99	803.36
122	60273-7SD	1060.9	602.29	4195.7	2092.7	666.93	786.80
123	CCV	5195.2	2491.5	504.66	5037.6	5250.2	2572.3
124	CCB	.16661	.66825	.63673	3.9718	1.9854	.75727
125	RL	51.503	10.230	10.175	24.488	10.747	21.111
126	ICSA	3.9906	2.4275	2.5390	-13.371	-.41723	6.1991

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
127	ICSAB	1149.3	2.3122	2.3781	92.439	520.02	990.64
128	CCV	5212.1	2491.2	502.60	5038.3	5261.8	2571.8
129	CCB	1.8369	.56042	.34775	4.0754	1.5335	.67627
130	CCV	5039.4	2382.0	485.28	4837.1	5087.9	2497.7
131	CCB	2.3213	.01174	.19548	2.7976	.14700	-.20255
132	PBW 177399	13.460	4.3673	.38076	.15077	.46704	6.9440
133	60283-5 1/10	370.07	172.11	38.397	-3.0773	24.026	545.07
134	RL ICP	52.609	10.086	10.100	22.705	10.731	21.169
135	RL ICP	53.200	10.198	10.078	23.108	10.361	20.698
136	ICSA61	6.6337	2.3601	2.1639	-8.9575	-1.0490	4.7135
137	ICSAB61	1158.7	2.3297	2.3128	93.827	521.66	998.39
138	CCV	5132.5	2451.0	493.12	4953.6	5155.5	2540.5
139	CCB	3.1548	.01937	.13811	2.9560	.40410	.07081

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
1	HIGH STD 00032	1004.2	1000.4	9956.6	10006.	952.114
2	ICVP 00190	1038.6	1035.3	1036.9	1055.1	942.723
3	ICB	.87739	1.9008	1.4101	-2.2447	938.472
4	RL ICP 00044	8.8165	9.3815	20.018	23.818	955.418
5	ICSA61 00021	-17.938	8.9462	-5.3527	4.7125	880.186
6	ICSAB61 00037	38.384	59.210	48.699	55.147	880.838
7	CCVP 00072	528.69	524.34	5229.9	5224.4	926.548
8	CCB	-.83784	1.4683	5.3601	-1.8753	953.044
9	PBW 177473	.13552	1.5942	5.7521	5.8130	973.732
10	LCSW-1	520.70	513.92	2088.0	2103.1	977.676
11	LCSW-1 (RL)	10.440	8.8596	23.089	22.566	967.681
12	16115-1	-.78315	.20057	-4.6648	.87291	955.838
13	16115-1L	-1.1032	-1.1590	-7.1354	-3.0257	971.697
14	16115-1A	499.89	494.15	2021.8	2026.9	962.798
15	29380-1	-.24353	1.9408	-3.8564	2.3140	965.848
16	60337-1	7.9549	5.1768	-1.8636	-.65615	968.854
17	60345-1	1.0381	.46655	-1.7441	6.7300	961.678
18	60345-1S	545.99	538.83	2198.9	2185.8	942.611
19	CCV	504.97	499.03	5023.3	4962.3	966.507
20	CCB	-.16413	-.59195	-.45040	4.4643	961.096
21	60345-1SD	510.25	506.09	2070.2	2037.5	965.266
22	60345-3	-1.7512	1.2648	-.63223	2.4922	968.897
23	60345-5	2.2818	.87317	.35379	-2.0378	967.108
24	60345-7	3.3787	.41066	6.4026	6.7229	981.302
25	58368-1	2.0433	-.64825	-3.2322	-4.6262	963.991
26	58368-1 1/10	2.1342	.25135	-2.6558	.90192	980.24
27	PBW 177472	.90275	-.08531	-1.5437	.24459	1007.27
28	LCSW-1	508.85	498.89	2057.6	2001.3	990.778
29	LCSW-1 (RL)	13.190	15.168	32.578	26.481	980.99
30	60145-1	6.1588	4.2886	-4.8494	-1.0325	946.988
31	CCV	506.59	492.14	4988.3	4864.4	995.833
32	CCB	.30644	-.48794	3.9041	.92726	986.209
33	60345-1	-.33051	1.0748	7.0850	4.0047	980.692
34	60345-1S	529.65	515.08	2146.6	2084.8	969.479
35	60345-1SD	527.14	516.30	2124.2	2045.1	971.582
36	60345-3	-.30688	1.0566	-2.5595	2.0704	987.123
37	60345-5	-.03060	1.0779	-3.0566	-.82220	986.473

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
38	60345-7	.51211	.01929	1.8929	-.39600	981.875
39	60345-7L	1.5778	-.09037	-1.9096	.19372	995.785
40	60345-7A	503.60	490.68	2018.6	1949.4	987.329
41	60244-1 1/10	-.29332	-.19634	-1.2047	-.38493	974.636
42	60349-1 1/10	.34363	3.8883	-6.7190	.57565	986.315
43	CCV	511.63	492.81	5046.1	4853.1	975.04
44	CCB	-1.3815	1.5334	-1.1591	.67451	980.341
45	60237-3 1/10	-1.1419	-.44390	3.8143	.24998	984.977
46	PBW 177430	-.22515	.67196	2.2076	3.1878	982.221
47	LCSW-1	514.74	495.56	2051.0	1960.0	988.724
48	60160-2	.25482	.54843	-.44662	-.74657	973.462
49	60160-2L	3.6111	-.42245	2.9746	3.4093	968.551
50	60160-2A	505.93	490.52	2033.5	1950.9	982.192
51	60160-2S	510.98	488.90	2014.4	1943.9	976.858
52	60160-2SD	522.09	505.89	2067.3	1977.0	961.524
53	60398-2	1.5980	4.3486	-1.0526	3.9206	985.684
54	CCV	516.36	497.54	5053.2	4858.6	980.384
55	CCB	1.1876	2.1073	3.6006	7.2287	953.746
56	60296-1	-.46197	1.0803	-4.9327	2.4716	973.712
57	60296-2	2.9503	4.1076	-.77391	-1.1105	975.963
58	60296-3	-.86825	-.05468	-5.0734	.59757	975.737
59	60296-4	1.0506	-1.0534	-4.0539	1.1866	977.238
60	60296-5	-.38157	.20269	1.0559	3.3635	971.5
61	60296-6	-2.5499	-.53073	-2.6480	4.6791	951.216
62	60296-7	-3.2667	.01756	-5.0195	2.8402	976.829
63	60296-8	1.5265	.77759	-.90379	3.3882	977.993
64	CCV	510.38	496.61	5046.3	4827.0	980.177
65	CCB	-1.3792	1.7165	.36881	3.2475	970.49
66	PBW 177399	1.9610	3.4197	-2.4834	3.1430	965.506
67	LCSS-1	537.49	520.08	2093.6	2006.4	962.818
68	60144-1	163.22	159.12	.40211	2.6648	974.578
69	60144-1S	641.28	625.56	1965.8	1871.7	979.475
70	60144-1SD	657.18	640.00	1956.9	1871.0	984.121
71	60144-2	168.53	166.62	-5.5351	2.4449	964.136
72	60144-3	292.43	287.60	-.18536	7.8295	956.723
73	60144-4	99.282	98.669	-1.3806	4.6825	988.869
74	60144-5	93.920	93.269	.53099	4.2036	951.283
75	60144-6	87.112	84.011	-1.2830	4.1878	975.353
76	CCV	512.02	491.04	4999.2	4796.4	981.509
77	CCB	.96779	-.55220	-2.8212	3.5751	971.384
78	60144-7	109.32	104.72	4.8324	6.2956	992.611
79	60379-6	41.821	40.176	-1.1011	1.1242	963.26
80	60379-6L	6.8541	8.8861	3.6115	-2.5641	975.199
81	60379-6A	539.07	519.13	1959.6	1875.9	967.435
82	60379-11	112.75	108.69	-1.2318	-.09706	972.452
83	60379-16	366.02	353.51	-3.6819	9.2636	962.303
84	60379-21	45.776	46.239	-3.8072	5.9259	965.025
85	60379-26	42.565	40.189	-1.1282	7.3881	970.268
86	60379-31	46.623	47.329	-4.4021	.79263	966.483
87	60379-36	95.279	87.724	-1.6041	1.6337	960.201
88	CCV	515.99	498.50	5061.4	4837.7	964.453
89	CCB	.57891	.39780	2.7551	2.2722	972.972
90	60379-41	33.626	32.104	-4.6036	5.2875	979.282
91	60379-45	44.356	42.705	-2.5008	-2.4520	963.621


2149
Profile line : As 189.042/2
Peak Position : .01511
Peak Intensity: 1620.67
Peak Width : 10.4168
New Spec. Shift at : 0
Intensity
0
-31
0
31
Spectrum Shifter Position

P081810

Method: 2PTTR2 Standard Name: CALBLK Operator: BCB
Run Time: 08/18/10 16:52:17
Comment:
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	-.008691	.8603278	.8603278	-.048265	.5559690	-.001028	-.081837
SDev	.003597	.0280068	.0280068	.163583	.0008989	.004342	.001634
%RSD	41.38557	3.255362	3.255362	338.9244	.1616831	422.4440	1.996342
#1	-.006148	.8801317	.8801317	-.163936	.5553334	-.004098	-.082993
#2	-.011234	.8405241	.8405241	.0674053	.5566046	.0020426	-.080682
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	.0649546	-.010233	-.016870	.0040967	.2659628	.0107335	.0107335
SDev	.0020215	.002917	.007918	.0043494	.0022853	.0064854	.0064854
%RSD	3.112164	28.50367	46.93712	106.1659	.8592504	60.42240	60.42240
#1	.0635252	-.012295	-.011271	.0071722	.2643469	.0061476	.0061476
#2	.0663840	-.008170	-.022468	.0010213	.2675787	.0153194	.0153194
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	.1815904	.0000000	.0000000	.0056221	.0153508	-.002053	-.070043
SDev	.0156051	.0000000	.0000000	.0036038	.0058217	.005791	.025156
%RSD	8.593567	.0000000	.0000000	64.10092	37.92464	282.1591	35.91576
#1	.1926248	.0000000	.0000000	.0030738	.0194674	-.006148	-.052255
#2	.1705559	.0000000	.0000000	.0081703	.0112342	.0020426	-.087831
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	.0604200	-.045010	.0035828	-.013298	-.066967	.0020525	.0035844
SDev	.0580046	.000103	.0021782	.000030	.030950	.0057913	.0036249
%RSD	96.00229	.2286210	60.79565	.2286183	46.21666	282.1591	101.1271
#1	.1014354	-.045082	.0051230	-.013320	-.045082	.0061476	.0061476
#2	.0194046	-.044937	.0020426	-.013277	-.088852	-.002043	.0010213
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	.0192871	.0163539	-.157043	-.027190
SDev	.1301554	.0115359	.018442	.071672
%RSD	674.8295	70.53908	11.74347	263.5971
#1	-.072747	.0081968	-.170084	-.077870
#2	.1113209	.0245110	-.144002	.0234897
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	978	--	--	--	--	--	--
SDev	2.234913	--	--	--	--	--	--
%RSD	.2286191	--	--	--	--	--	--
#1	976	--	--	--	--	--	--
#2	979	--	--	--	--	--	--

Method: 2PTTR2 Standard Name: HIGH STD Operator: BCB
Run Time: 08/18/10 17:02:19
Comment: 00032
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	17.25781	44.32164	44.31799	31.91048	173.0327	799.8958	95.28444
SDev	.10609	.18418	.18342	.00339	1.1303	4.4926	.49748
%RSD	.6147365	.4155495	.4138673	.0106254	.6532269	.5616446	.5220955
#1	17.18279	44.19140	44.18830	31.90808	172.2335	796.7190	94.93267
#2	17.33282	44.45187	44.44769	31.91288	173.8320	803.0725	95.63621
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	11.92464	50.98361	26.01817	181.1388	256.9993	6.389131	6.389131
SDev	.07515	.31639	.20896	1.0205	1.1025	.019993	.019993
%RSD	.6302207	.6205693	.8031339	.5633571	.4289820	.3129186	.3129186
#1	11.87150	50.75989	25.87041	180.4172	256.2197	6.374994	6.374994
#2	11.97778	51.20733	26.16592	181.8603	257.7788	6.403268	6.403268
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	45.21912	2.062135	2.062135	621.3791	11.43027	.8121505	191.7414
SDev	.20079	.011581	.011581	3.5045	.10182	.0001632	1.3040
%RSD	.4440355	.5615833	.5615833	.5639948	.8907755	.0200887	.6800590
#1	45.07714	2.053946	2.053946	618.9011	11.35827	.8122659	190.8194
#2	45.36109	2.070324	2.070324	623.8572	11.50226	.8120351	192.6634
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	15.83853	145.7162	730.9302	38.18845	123.3419	148.0236	49.08481
SDev	.15492	.9159	5.5878	.20128	.4208	.7387	.32360
%RSD	.9781275	.6285256	.7644781	.5270771	.3411609	.4990556	.6592756
#1	15.72899	145.0686	726.9790	38.04612	123.0443	147.5013	48.85598
#2	15.94808	146.3639	734.8813	38.33078	123.6394	148.5460	49.31363
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	39.59166	39.55051	157.7506	137.7131
SDev	.31558	.00131	.9896	.5727

%RSD	.7970789	.0033146	.6273125	.4158887
#1	39.36851	39.54959	157.0508	137.3081
#2	39.81480	39.55144	158.4503	138.1181
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	962	--	--	--	--	--	--
SDev	6.772067	--	--	--	--	--	--
%RSD	.7042179	--	--	--	--	--	--
#1	966	--	--	--	--	--	--
#2	957	--	--	--	--	--	--

Method: 2PTTR2
Mode: Concentration
Standards Table: 2PTONLY
Data File: DD081810

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
Ag	328.068	08/18/10 05:09	Linear	1.000000
Al	308.215	08/18/10 05:09	Linear	1.000000
2Al	308.215	08/18/10 05:09	Linear	1.000000
As	189.042/2	08/18/10 05:09	Linear	1.000000
B	249.678/2	08/18/10 05:09	Linear	1.000000
Ba	493.409	08/18/10 05:09	Linear	1.000000
Be	313.042	08/18/10 05:09	Linear	1.000000
Ca	317.933	08/18/10 05:09	Linear	1.000000
Cd	226.502/2	08/18/10 05:09	Linear	1.000000
Co	228.616	08/18/10 05:09	Linear	1.000000
Cr	267.716	08/18/10 05:09	Linear	1.000000
Cu	324.753	08/18/10 05:09	Linear	1.000000
Fe	271.441	08/18/10 05:09	Linear	1.000000
2Fe	271.441	08/18/10 05:09	Linear	1.000000
K	766.491	08/18/10 05:09	Linear	1.000000
Mg	279.078	08/18/10 05:09	Linear	1.000000
2Mg	279.078	08/18/10 05:09	Linear	1.000000
Mn	257.610	08/18/10 05:09	Linear	1.000000
Mo	202.030/2	08/18/10 05:09	Linear	1.000000
Na	330.231	08/18/10 05:09	Linear	1.000000
Ni	231.604/2	08/18/10 05:09	Linear	1.000000
Sb	206.838/2	08/18/10 05:09	Linear	1.000000
Sn	189.989	08/18/10 05:09	Linear	1.000000
Sr	421.542	08/18/10 05:09	Linear	1.000000
Ti	334.941	08/18/10 05:09	Linear	1.000000
Tl	190.864/2	08/18/10 05:09	Linear	1.000000
V	292.402	08/18/10 05:09	Linear	1.000000
Zn	206.200	08/18/10 05:09	Linear	1.000000
2203/1	220.351	08/18/10 05:09	Linear	1.000000
2203/2	220.352/2	08/18/10 05:09	Linear	1.000000

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
1960/1	196.021	08/18/10 05:09	Linear	1.000000
1960/2	196.022/2	08/18/10 05:09	Linear	1.000000

Element:	Ag	Al	2Al	As	B
Wavelength:	328.068	308.215	308.215	189.042/2	249.678/2
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	04/27/99	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	16:03	STDIZED
Offset (A0):	-.008691	.860328	.860328	-.048265	.555969
Gain (A1):	.017266	.004269	4.26851	.032856	.01725
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	08/18/10	08/18/10	08/18/10	08/18/10	08/18/10
Time of Fit:	17:09	17:09	17:09	17:09	17:09

Element:	Ba	Be	Ca	Cd	Co
Wavelength:	493.409	313.042	317.933	226.502/2	228.616
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.001028	-.081837	.064955	-.010233	-.01687
Gain (A1):	.07999	.095356	.001186	.05095	.026042
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	08/18/10	08/18/10	08/18/10	08/18/10	08/18/10
Time of Fit:	17:09	17:09	17:09	17:09	17:09

Element:	Cr	Cu	Fe	2Fe	K
Wavelength:	267.716	324.753	271.441	271.441	766.491
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1

Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	.004097	.265963	.010733	.010733	.18159
Gain (A1):	.018117	.025676	.000644	.644022	.002252
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	08/18/10	08/18/10	08/18/10	08/18/10	08/18/10
Time of Fit:	17:09	17:09	17:09	17:09	17:09

Element:	Mg	2Mg	Mn	Mo	Na
Wavelength:	279.078	279.078	257.610	202.030/2	330.231
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-51e-18	39e-18	.005622	.015351	-.002053
Gain (A1):	.000208	.207877	.062144	.011415	.000056
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	08/18/10	08/18/10	08/18/10	08/18/10	08/18/10
Time of Fit:	17:09	17:09	17:09	17:09	17:09

Element:	Ni	Sm	Sm	Sb	Sn
Wavelength:	231.604/2	220.353	196.026	206.838/2	189.989
Y - intercept:	0	0	0	0	0
Slope:	1	0	0	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.070043	0	0	.06042	-.04501
Gain (A1):	.038367	1	1	.014939	.014579
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	08/18/10	NO FIT	NO FIT	08/18/10	08/18/10
Time of Fit:	17:09			17:09	17:09

Element:	Sr	Ti	Tl	V	Zn
Wavelength:	421.542	334.941	190.864/2	292.402	206.200
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	04/27/99	NOT	NOT
Time Standardized:	STDIZED	STDIZED	16:03	STDIZED	STDIZED
Offset (A0):	.003583	-.013298	-.066967	.002053	.003584
Gain (A1):	.146185	.038205	.012382	.014857	.009844
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	08/18/10	08/18/10	08/18/10	08/18/10	08/18/10
Time of Fit:	17:09	17:09	17:09	17:09	17:09

Element:	Pb	Pb	Se	Se
Wavelength:	220.351	220.352/2	196.021	196.022/2
Y - intercept:	0	0	0	0
Slope:	1	1	1	1
Date Standardized:	04/27/99	04/27/99	04/27/99	04/27/99
Time Standardized:	16:03	16:03	16:03	16:03
Offset (A0):	.019287	.016354	-.157043	-.02719
Gain (A1):	.039315	.039666	.015784	.013773
Curvature (A2):	0	0	0	0
Exponent (n):	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE
Date of Fit:	08/18/10	08/18/10	08/18/10	08/18/10
Time of Fit:	17:09	17:09	17:09	17:09

Method: 2PTTR2 Sample Name: HIGH STD 00032 Operator: BCB
Run Time: 08/18/10 17:09:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Units	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	996.14	9924.9	9.9254	999.53	10024.	9967.0	1001.4
SDev	5.80	47.4	.0476	11.22	44.	50.1	6.4
%RSD	.58209	.47756	.47930	1.1229	.43866	.50231	.63898
#1	992.04	9891.4	9.8918	991.60	9993.0	9931.6	996.88

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
92	60166-1	2.1059	.01906	.36540	-3.9071	958.744
93	60164-1	4.4957	2.6352	-6.9217	2.5365	942.885
94	60187-10	590.87	575.31	-4.7648	3.5544	957.406
95	60191-8	38.593	40.895	-3.8720	-1.7165	888.123
96	PBW 177400	.16890	-.73702	-4.0555	.37689	954.323
97	LCSS-1	546.28	534.61	2137.8	2078.6	952
98	60283-1	16404.	16031.	-3.9080	12.199	918.734
99	60283-2	504.84	505.21	-9.7594	5.8893	946.671
100	CCV	517.34	503.28	5062.0	4889.3	953.082
101	CCB	2.1246	3.5313	-.67098	.25966	954.679
102	60283-3	16041.	15617.	1.3340	5.2753	905.314
103	60283-4	813.98	802.30	1.4341	2.2639	953.26
104	60283-5	26292.	25701.	9.3188	.48525	915.271
105	60283-6	598.90	588.76	-3.6617	7.5905	964.492
106	60283-7	4324.7	4232.4	2.1134	5.6091	940.456
107	60283-8	297.13	299.74	-3.1707	.72109	970.389
108	60283-9	5704.2	5581.7	3.5518	4.4803	935.66
109	60283-10	169.29	172.10	-2.0868	2.1320	980.99
110	60273-1	43.513	40.058	-4.8342	2.1231	1004.29
111	60273-2	56.256	52.116	-6.7519	2.9162	996.983
112	CCV	519.09	500.25	5028.9	4870.7	957.363
113	CCB	-.20103	-.81296	1.0816	2.0512	954.16
114	60273-3	57.801	53.960	-5.0230	.27753	981.235
115	60273-4	44.354	38.476	3.7983	3.7479	970.985
116	60273-5	64.264	58.775	-3.5791	1.1909	977.397
117	60273-6	55.691	52.881	-.54685	1.6662	990.158
118	60273-7	117.91	113.26	.41811	1.8036	963.799
119	60273-7L	23.619	23.347	-1.3730	3.6456	949.282
120	60273-7A	618.55	597.65	1979.4	1918.4	955.598
121	60273-7S	638.75	621.40	2072.9	2014.1	954.516
122	60273-7SD	642.34	625.24	2064.3	2005.4	964.145
123	CCV	519.48	508.74	5081.0	4914.2	945.377
124	CCB	.60172	.07061	1.4029	6.4413	952.149
125	RL	10.530	10.622	22.320	20.280	941.962
126	ICSA	-10.203	8.9187	-6.9135	1.3173	859.254
127	ICSAB	33.909	54.949	42.406	59.029	862.144
128	CCV	520.54	508.97	5079.8	4931.0	938.431
129	CCB	1.1132	-.94732	-1.3003	1.0114	932.231
130	CCV	507.85	487.63	4930.0	4729.5	950.432
131	CCB	.53583	-.67230	1.5861	2.1668	943.453
132	PBW 177399	1.6873	2.6212	-7.2518	.41980	910.697
133	60283-5 1/10	2716.7	2617.6	.30331	-.32995	933.01
134	RL ICP	12.277	11.570	20.185	18.490	946.541
135	RL ICP	8.1430	8.4853	17.603	21.427	921.793
136	ICSA61	-13.736	4.4778	.94115	-.15733	850.562
137	ICSAB61	39.514	56.621	53.316	51.559	854.28
138	CCV	509.22	500.52	4993.8	4855.5	936.964
139	CCB	.03316	-2.4817	-3.7751	-1.1197	934.636

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
HIGH STD 00032	Ag	996.13702	992.03692	1000.23712	0.58208	ug/L	08/18/10	17:09	
HIGH STD 00032	Al	9924.91601	9891.40039	9958.43066	0.47756	ug/L	08/18/10	17:09	
HIGH STD 00032	2Al	9.92539	9.89175	9.95903	0.47929	mg/L	08/18/10	17:09	
HIGH STD 00032	As	999.53344	991.59729	1007.46954	1.12286	ug/L	08/18/10	17:09	
HIGH STD 00032	B	10024.05273	9992.95996	10055.14550	0.43866	ug/L	08/18/10	17:09	
HIGH STD 00032	Ba	9966.95312	9931.55175	10002.35449	0.50231	ug/L	08/18/10	17:09	
HIGH STD 00032	Be	1001.40161	996.87695	1005.92620	0.63898	ug/L	08/18/10	17:09	
HIGH STD 00032	Ca	9980.62304	9943.52050	10017.72558	0.52572	ug/L	08/18/10	17:09	
HIGH STD 00032	Cd	998.32373	995.50262	1001.14483	0.39963	ug/L	08/18/10	17:09	
HIGH STD 00032	Co	997.99291	995.89691	1000.08898	0.29702	ug/L	08/18/10	17:09	
HIGH STD 00032	Cr	10004.47167	9965.62597	10043.31738	0.54911	ug/L	08/18/10	17:09	
HIGH STD 00032	Cu	9948.87402	9914.45312	9983.29492	0.48928	ug/L	08/18/10	17:09	
HIGH STD 00032	Fe	9975.44042	9952.98339	9997.89746	0.31837	ug/L	08/18/10	17:09	
HIGH STD 00032	2Fe	9.97544	9.95298	9.99790	0.31838	mg/L	08/18/10	17:09	
HIGH STD 00032	K	19931.62500	19878.50000	19984.75195	0.37694	ug/L	08/18/10	17:09	
HIGH STD 00032	Mg	9980.53710	9950.04003	10011.03417	0.43213	ug/L	08/18/10	17:09	
HIGH STD 00032	2Mg	9.98054	9.95004	10.01104	0.43218	mg/L	08/18/10	17:09	
HIGH STD 00032	Mn	10001.90429	9966.88769	10036.92089	0.49511	ug/L	08/18/10	17:09	
HIGH STD 00032	Mo	1001.41760	996.27825	1006.55700	0.72578	ug/L	08/18/10	17:09	
HIGH STD 00032	Na	14823.82421	14851.28417	14796.36523	0.26196	ug/L	08/18/10	17:09	
HIGH STD 00032	Ni	4978.78564	4962.86035	4994.71093	0.45235	ug/L	08/18/10	17:09	
HIGH STD 00032	Pb	1001.66113	996.07128	1007.25091	0.78920	ug/L	08/18/10	17:09	
HIGH STD 00032	Se	9989.42968	9935.22070	10043.63867	0.76744	ug/L	08/18/10	17:09	
HIGH STD 00032	Sb	992.95269	987.29858	998.60681	0.80528	ug/L	08/18/10	17:09	
HIGH STD 00032	Sn	9988.69335	9955.18554	10022.20117	0.47440	ug/L	08/18/10	17:09	
HIGH STD 00032	Sr	4978.22070	4975.55957	4980.88183	0.07559	ug/L	08/18/10	17:09	
HIGH STD 00032	Ti	997.62121	994.15606	1001.08636	0.49121	ug/L	08/18/10	17:09	
HIGH STD 00032	Tl	9980.31445	9955.38378	10005.24511	0.35326	ug/L	08/18/10	17:09	
HIGH STD 00032	V	9996.31640	9965.76953	10026.86425	0.43216	ug/L	08/18/10	17:09	
HIGH STD 00032	Zn	4996.65234	4980.09765	5013.20654	0.46854	ug/L	08/18/10	17:09	
HIGH STD 00032	2203/1	1004.21582	1000.27557	1008.15612	0.55489	ug/L	08/18/10	17:09	
HIGH STD 00032	2203/2	1000.37683	993.96356	1006.79003	0.90662	ug/L	08/18/10	17:09	
HIGH STD 00032	1960/1	9956.58007	9899.28808	10013.87304	0.81377	ug/L	08/18/10	17:09	
HIGH STD 00032	1960/2	10005.83007	9953.16015	10058.49902	0.74442	ug/L	08/18/10	17:09	
HIGH STD 00032	Y	952.11425	957.69293	946.53552	0.82862		08/18/10	17:09	
ICVP 00190	Ag	1012.81842	1011.30657	1014.33026	0.21110	ug/L	08/18/10	17:20	
ICVP 00190	Al	1031.96215	1032.27832	1031.64611	0.04331	ug/L	08/18/10	17:20	
ICVP 00190	2Al	1.03205	1.03236	1.03173	0.04331	mg/L	08/18/10	17:20	
ICVP 00190	As	1035.74304	1033.47705	1038.00903	0.30940	ug/L	08/18/10	17:20	
ICVP 00190	B	1042.31689	1042.33740	1042.29638	0.00278	ug/L	08/18/10	17:20	
ICVP 00190	Ba	1024.29199	1023.36572	1025.21838	0.12789	ug/L	08/18/10	17:20	
ICVP 00190	Be	1034.27526	1034.33935	1034.21118	0.00876	ug/L	08/18/10	17:20	
ICVP 00190	Ca	1057.89404	1058.03930	1057.74890	0.01941	ug/L	08/18/10	17:20	
ICVP 00190	Cd	1043.05810	1043.64660	1042.46948	0.07979	ug/L	08/18/10	17:20	
ICVP 00190	Co	1033.05273	1033.54821	1032.55712	0.06783	ug/L	08/18/10	17:20	
ICVP 00190	Cr	1042.64404	1042.62243	1042.66552	0.00292	ug/L	08/18/10	17:20	
ICVP 00190	Cu	1023.82476	1021.71301	1025.93652	0.29169	ug/L	08/18/10	17:20	
ICVP 00190	Fe	1021.61242	1027.52600	1015.69879	0.81861	ug/L	08/18/10	17:20	
ICVP 00190	2Fe	1.02191	1.02782	1.01600	0.81828	mg/L	08/18/10	17:20	
ICVP 00190	K	20187.87500	20153.10742	20222.64453	0.24356	ug/L	08/18/10	17:20	
ICVP 00190	Mg	1072.26818	1075.81286	1068.72351	0.46750	ug/L	08/18/10	17:20	
ICVP 00190	2Mg	1.07226	1.07580	1.06871	0.46722	mg/L	08/18/10	17:20	
ICVP 00190	Mn	1040.02221	1039.67919	1040.36523	0.04664	ug/L	08/18/10	17:20	
ICVP 00190	Mo	1047.61718	1046.18078	1049.05346	0.19389	ug/L	08/18/10	17:20	
ICVP 00190	Na	10232.25585	10287.95703	10176.55566	0.76984	ug/L	08/18/10	17:20	
ICVP 00190	Ni	1035.03564	1034.13647	1035.93469	0.12284	ug/L	08/18/10	17:20	
ICVP 00190	Pb	1036.42041	1036.02929	1036.81152	0.05336	ug/L	08/18/10	17:20	
ICVP 00190	Se	1049.03125	1053.09997	1044.96252	0.54851	ug/L	08/18/10	17:20	
ICVP 00190	Sb	996.48760	1001.01806	991.95715	0.64296	ug/L	08/18/10	17:20	
ICVP 00190	Sn	1075.35595	1074.03454	1076.67724	0.17377	ug/L	08/18/10	17:20	
ICVP 00190	Sr	1051.92346	1050.34826	1053.49865	0.21177	ug/L	08/18/10	17:20	
ICVP 00190	Ti	1016.04138	1014.47741	1017.60540	0.21769	ug/L	08/18/10	17:20	
ICVP 00190	Tl	1027.26062	1025.50695	1029.01428	0.24142	ug/L	08/18/10	17:20	
ICVP 00190	V	1049.79516	1048.91772	1050.67248	0.11819	ug/L	08/18/10	17:20	
ICVP 00190	Zn	1047.24182	1048.59606	1045.88757	0.18288	ug/L	08/18/10	17:20	
ICVP 00190	2203/1	1038.58068	1040.80627	1036.35510	0.30305	ug/L	08/18/10	17:20	
ICVP 00190	2203/2	1035.34179	1033.64428	1037.03930	0.23186	ug/L	08/18/10	17:20	
ICVP 00190	1960/1	1036.93041	1038.46215	1035.39855	0.20891	ug/L	08/18/10	17:20	
ICVP 00190	1960/2	1055.07263	1060.40795	1049.73730	0.71514	ug/L	08/18/10	17:20	
ICVP 00190	Y	942.72277	941.84216	943.60333	0.13209		08/18/10	17:20	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICB	Ag	0.37991	0.38004	0.37978	0.04847	ug/L	08/18/10	17:27	
ICB	Al	5.50402	9.40482	1.60323	100.22768	ug/L	08/18/10	17:27	
ICB	2Al	0.00550	0.00940	0.00160	100.22793	mg/L	08/18/10	17:27	
ICB	As	-2.51948	-2.64536	-2.39360	7.06585	ug/L	08/18/10	17:27	
ICB	B	26.73066	26.88399	26.57733	0.81121	ug/L	08/18/10	17:27	
ICB	Ba	-0.02708	-0.05368	-0.00048	138.88999	ug/L	08/18/10	17:27	
ICB	Be	0.00338	0.00986	-0.00308	270.32864	ug/L	08/18/10	17:27	
ICB	Ca	-0.41138	-0.91829	0.09551	174.25656	ug/L	08/18/10	17:27	
ICB	Cd	-0.31082	-0.48753	-0.13412	80.39736	ug/L	08/18/10	17:27	
ICB	Co	0.70993	0.60726	0.81260	20.45286	ug/L	08/18/10	17:27	
ICB	Cr	0.09756	0.00899	0.18613	128.38404	ug/L	08/18/10	17:27	
ICB	Cu	0.61862	0.46185	0.77539	35.83883	ug/L	08/18/10	17:27	
ICB	Fe	-5.94819	-11.74430	-0.15207	137.80557	ug/L	08/18/10	17:27	
ICB	2Fe	-0.00594	-0.01174	-0.00015	137.81297	mg/L	08/18/10	17:27	
ICB	K	-9.66024	-10.68150	-8.63898	14.95074	ug/L	08/18/10	17:27	
ICB	Mg	-2.56676	-0.00145	-5.13208	141.34117	ug/L	08/18/10	17:27	
ICB	2Mg	-0.00256	0.00000	-0.00513	141.45703	mg/L	08/18/10	17:27	
ICB	Mn	0.08965	0.08087	0.09844	13.85430	ug/L	08/18/10	17:27	
ICB	Mo	0.42901	0.24044	0.61757	62.16034	ug/L	08/18/10	17:27	
ICB	Na	17.90847	-77.83426	113.65120	756.07061	ug/L	08/18/10	17:27	
ICB	Ni	0.01751	0.57467	-0.53964	4497.81347	ug/L	08/18/10	17:27	
ICB	Pb	1.56003	0.65585	2.46421	81.96612	ug/L	08/18/10	17:27	
ICB	Se	-1.02766	0.15212	-2.20744	162.35533	ug/L	08/18/10	17:27	
ICB	Sb	-3.89608	-4.25461	-3.53755	13.01399	ug/L	08/18/10	17:27	
ICB	Sn	-1.30264	-2.39482	-0.21045	118.57347	ug/L	08/18/10	17:27	
ICB	Sr	-0.03910	-0.02450	-0.05369	52.78093	ug/L	08/18/10	17:27	
ICB	Ti	0.15289	0.09731	0.20847	51.40740	ug/L	08/18/10	17:27	
ICB	Tl	1.06598	0.59594	1.53601	62.35832	ug/L	08/18/10	17:27	
ICB	V	0.54330	0.50644	0.58017	9.59567	ug/L	08/18/10	17:27	
ICB	Zn	0.39405	0.06840	0.71970	116.87070	ug/L	08/18/10	17:27	
ICB	2203/1	0.87739	0.10237	1.65240	124.92031	ug/L	08/18/10	17:27	
ICB	2203/2	1.90084	0.93218	2.86951	72.06760	ug/L	08/18/10	17:27	
ICB	1960/1	1.41014	0.37260	2.44769	104.05348	ug/L	08/18/10	17:27	
ICB	1960/2	-2.24474	0.04204	-4.53152	144.07014	ug/L	08/18/10	17:27	
ICB	Y	938.47204	939.46215	937.48199	0.14919		08/18/10	17:27	
RL ICP 00044	Ag	10.41457	10.35582	10.47332	0.79779	ug/L	08/18/10	17:31	
RL ICP 00044	Al	205.28308	206.07269	204.49348	0.54396	ug/L	08/18/10	17:31	
RL ICP 00044	2Al	0.20530	0.20609	0.20451	0.54397	mg/L	08/18/10	17:31	
RL ICP 00044	As	20.40428	21.35248	19.45608	6.57196	ug/L	08/18/10	17:31	
RL ICP 00044	B	94.35130	93.01757	95.68502	1.99908	ug/L	08/18/10	17:31	
RL ICP 00044	Ba	10.34335	10.37258	10.31411	0.39974	ug/L	08/18/10	17:31	
RL ICP 00044	Be	4.06366	4.07645	4.05086	0.44530	ug/L	08/18/10	17:31	
RL ICP 00044	Ca	513.55664	513.69091	513.42242	0.03696	ug/L	08/18/10	17:31	
RL ICP 00044	Cd	4.84078	4.53958	5.14198	8.79938	ug/L	08/18/10	17:31	
RL ICP 00044	Co	10.95596	10.86780	11.04411	1.13794	ug/L	08/18/10	17:31	
RL ICP 00044	Cr	10.29185	9.79955	10.78415	6.76478	ug/L	08/18/10	17:31	
RL ICP 00044	Cu	20.92779	20.98059	20.87498	0.35681	ug/L	08/18/10	17:31	
RL ICP 00044	Fe	46.09140	49.17113	43.01166	9.44947	ug/L	08/18/10	17:31	
RL ICP 00044	2Fe	0.04609	0.04916	0.04301	9.44854	mg/L	08/18/10	17:31	
RL ICP 00044	K	1001.64306	999.69921	1003.58685	0.27444	ug/L	08/18/10	17:31	
RL ICP 00044	Mg	526.39135	527.39916	525.38348	0.27076	ug/L	08/18/10	17:31	
RL ICP 00044	2Mg	0.52623	0.52724	0.52523	0.27061	mg/L	08/18/10	17:31	
RL ICP 00044	Mn	10.31634	10.23596	10.39672	1.10188	ug/L	08/18/10	17:31	
RL ICP 00044	Mo	8.41855	9.07823	7.75888	11.08174	ug/L	08/18/10	17:31	
RL ICP 00044	Na	925.70202	960.72222	890.68188	5.35010	ug/L	08/18/10	17:31	
RL ICP 00044	Ni	40.31702	39.97472	40.65932	1.20069	ug/L	08/18/10	17:31	
RL ICP 00044	Pb	9.19333	9.02873	9.35793	2.53201	ug/L	08/18/10	17:31	
RL ICP 00044	Se	22.55245	24.23118	20.87372	10.52693	ug/L	08/18/10	17:31	
RL ICP 00044	Sb	19.53210	19.54654	19.51765	0.10460	ug/L	08/18/10	17:31	
RL ICP 00044	Sn	51.57672	53.51975	49.63370	5.32769	ug/L	08/18/10	17:31	
RL ICP 00044	Sr	10.49694	10.47033	10.52355	0.35854	ug/L	08/18/10	17:31	
RL ICP 00044	Ti	10.13291	10.02265	10.24316	1.53878	ug/L	08/18/10	17:31	
RL ICP 00044	Tl	25.74454	24.46122	27.02786	7.04960	ug/L	08/18/10	17:31	
RL ICP 00044	V	10.20608	10.42111	9.99105	2.97952	ug/L	08/18/10	17:31	
RL ICP 00044	Zn	20.96791	20.95919	20.97663	0.05879	ug/L	08/18/10	17:31	
RL ICP 00044	2203/1	8.81650	10.28003	7.35297	23.47573	ug/L	08/18/10	17:31	
RL ICP 00044	2203/2	9.38146	8.40402	10.35890	14.73447	ug/L	08/18/10	17:31	
RL ICP 00044	1960/1	20.01840	21.91248	18.12431	13.38089	ug/L	08/18/10	17:31	
RL ICP 00044	1960/2	23.81755	25.38876	22.24633	9.32938	ug/L	08/18/10	17:31	
RL ICP 00044	Y	955.41766	958.15942	952.67590	0.40583		08/18/10	17:31	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSA61 00021	Ag	0.73467	0.30641	1.16292	82.43723	ug/L	08/18/10	17:36	
ICSA61 00021	Al	540528.00000	540491.43750	540564.56250	0.00956	ug/L	08/18/10	17:36	
ICSA61 00021	2Al	540.54425	540.49377	540.59472	0.01320	mg/L	08/18/10	17:36	
ICSA61 00021	As	1.36923	0.26456	2.47390	114.09603	ug/L	08/18/10	17:36	
ICSA61 00021	B	7.44965	7.76766	7.13165	6.03684	ug/L	08/18/10	17:36	
ICSA61 00021	Ba	0.97170	0.91967	1.02373	7.57238	ug/L	08/18/10	17:36	
ICSA61 00021	Be	0.01813	0.02614	0.01011	62.50481	ug/L	08/18/10	17:36	
ICSA61 00021	Ca	525951.25000	525325.87500	526576.68750	0.16816	ug/L	08/18/10	17:36	
ICSA61 00021	Cd	0.83623	0.83421	0.83826	0.34266	ug/L	08/18/10	17:36	
ICSA61 00021	Co	1.09691	0.94368	1.25014	19.75545	ug/L	08/18/10	17:36	
ICSA61 00021	Cr	1.43502	1.52491	1.34514	8.85835	ug/L	08/18/10	17:36	
ICSA61 00021	Cu	1.98491	1.88748	2.08234	6.94169	ug/L	08/18/10	17:36	
ICSA61 00021	Fe	199325.59375	199011.32812	199639.85937	0.22297	ug/L	08/18/10	17:36	
ICSA61 00021	2Fe	199.28793	198.96846	199.60742	0.22671	mg/L	08/18/10	17:36	
ICSA61 00021	K	0.86759	-10.17668	11.91187	1800.26245	ug/L	08/18/10	17:36	
ICSA61 00021	Mg	559649.75000	559010.37500	560289.18750	0.16157	ug/L	08/18/10	17:36	
ICSA61 00021	2Mg	559.42401	558.76849	560.07952	0.16571	mg/L	08/18/10	17:36	
ICSA61 00021	Mn	-1.40187	-1.38482	-1.41891	1.71946	ug/L	08/18/10	17:36	
ICSA61 00021	Mo	-2.04199	-1.84125	-2.24274	13.90287	ug/L	08/18/10	17:36	
ICSA61 00021	Na	99.49215	-2.77140	201.75572	145.36071	ug/L	08/18/10	17:36	
ICSA61 00021	Ni	-1.07545	-0.88982	-1.26107	24.41020	ug/L	08/18/10	17:36	
ICSA61 00021	Pb	-0.00616	-3.68258	3.67024	84303.42187	ug/L	08/18/10	17:36	
ICSA61 00021	Se	1.36075	4.40680	-1.68528	316.56997	ug/L	08/18/10	17:36	
ICSA61 00021	Sb	2.37349	3.99414	0.75285	96.56361	ug/L	08/18/10	17:36	
ICSA61 00021	Sn	5.58702	4.67560	6.49845	23.07038	ug/L	08/18/10	17:36	
ICSA61 00021	Sr	2.46244	2.47197	2.45291	0.54742	ug/L	08/18/10	17:36	
ICSA61 00021	Ti	2.35522	2.29606	2.41438	3.55227	ug/L	08/18/10	17:36	
ICSA61 00021	Tl	-8.03167	-9.89930	-6.16405	32.88505	ug/L	08/18/10	17:36	
ICSA61 00021	V	-2.00700	-2.76085	-1.25315	53.11915	ug/L	08/18/10	17:36	
ICSA61 00021	Zn	5.00484	4.81889	5.19080	5.25457	ug/L	08/18/10	17:36	
ICSA61 00021	2203/1	-17.93773	-20.71434	-15.16113	21.89080	ug/L	08/18/10	17:36	
ICSA61 00021	2203/2	8.94617	4.82052	13.07182	65.21833	ug/L	08/18/10	17:36	
ICSA61 00021	1960/1	-5.35274	-3.79628	-6.90921	41.12227	ug/L	08/18/10	17:36	
ICSA61 00021	1960/2	4.71248	8.50220	0.92276	113.72928	ug/L	08/18/10	17:36	
ICSA61 00021	Y	880.18591	882.31359	878.05816	0.34186		08/18/10	17:36	
ICSAB61 00037	Ag	216.26431	215.80752	216.72108	0.29870	ug/L	08/18/10	17:40	
ICSAB61 00037	Al	531314.50000	530673.75000	531955.31250	0.17055	ug/L	08/18/10	17:40	
ICSAB61 00037	2Al	531.33666	530.68475	531.98864	0.17352	mg/L	08/18/10	17:40	
ICSAB61 00037	As	105.48747	108.89411	102.08081	4.56711	ug/L	08/18/10	17:40	
ICSAB61 00037	B	6.06036	6.98777	5.13295	21.64151	ug/L	08/18/10	17:40	
ICSAB61 00037	Ba	526.73889	526.01965	527.45819	0.19311	ug/L	08/18/10	17:40	
ICSAB61 00037	Be	516.90502	515.99597	517.81402	0.24870	ug/L	08/18/10	17:40	
ICSAB61 00037	Ca	519751.25000	519282.71875	520219.81250	0.12748	ug/L	08/18/10	17:40	
ICSAB61 00037	Cd	992.38073	988.16583	996.59558	0.60064	ug/L	08/18/10	17:40	
ICSAB61 00037	Co	490.84948	490.66934	491.02963	0.05190	ug/L	08/18/10	17:40	
ICSAB61 00037	Cr	498.77606	497.87115	499.68099	0.25657	ug/L	08/18/10	17:40	
ICSAB61 00037	Cu	547.09552	545.75366	548.43737	0.34686	ug/L	08/18/10	17:40	
ICSAB61 00037	Fe	197087.64062	196674.40625	197500.87500	0.29651	ug/L	08/18/10	17:40	
ICSAB61 00037	2Fe	197.05314	196.63555	197.47073	0.29969	mg/L	08/18/10	17:40	
ICSAB61 00037	K	3.55268	4.49820	2.60717	37.63782	ug/L	08/18/10	17:40	
ICSAB61 00037	Mg	552207.12500	551606.75000	552807.43750	0.15374	ug/L	08/18/10	17:40	
ICSAB61 00037	2Mg	551.98950	551.37854	552.60052	0.15653	mg/L	08/18/10	17:40	
ICSAB61 00037	Mn	503.54583	502.70556	504.38613	0.23599	ug/L	08/18/10	17:40	
ICSAB61 00037	Mo	1121.76684	1116.20507	1127.32861	0.70117	ug/L	08/18/10	17:40	
ICSAB61 00037	Na	245.80841	153.81335	337.80346	52.92766	ug/L	08/18/10	17:40	
ICSAB61 00037	Ni	964.78271	963.24591	966.31945	0.22526	ug/L	08/18/10	17:40	
ICSAB61 00037	Pb	52.27474	51.70178	52.84769	1.55004	ug/L	08/18/10	17:40	
ICSAB61 00037	Se	52.99995	53.03187	52.96802	0.08519	ug/L	08/18/10	17:40	
ICSAB61 00037	Sb	636.65802	627.68585	645.63018	1.99299	ug/L	08/18/10	17:40	
ICSAB61 00037	Sn	1169.33557	1172.61376	1166.05737	0.39647	ug/L	08/18/10	17:40	
ICSAB61 00037	Sr	2.41793	2.38893	2.44693	1.69632	ug/L	08/18/10	17:40	
ICSAB61 00037	Ti	2.39625	2.42379	2.36871	1.62540	ug/L	08/18/10	17:40	
ICSAB61 00037	Tl	102.33768	101.90319	102.77217	0.60043	ug/L	08/18/10	17:40	
ICSAB61 00037	V	523.81250	522.62780	524.99725	0.31985	ug/L	08/18/10	17:40	
ICSAB61 00037	Zn	997.25592	997.37603	997.13580	0.01703	ug/L	08/18/10	17:40	
ICSAB61 00037	2203/1	38.38426	37.75876	39.00977	2.30458	ug/L	08/18/10	17:40	
ICSAB61 00037	2203/2	59.20956	58.66284	59.75628	1.30584	ug/L	08/18/10	17:40	
ICSAB61 00037	1960/1	48.69854	43.01324	54.38385	16.51021	ug/L	08/18/10	17:40	
ICSAB61 00037	1960/2	55.14743	58.03369	52.26116	7.40159	ug/L	08/18/10	17:40	
ICSAB61 00037	Y	880.83801	881.49487	880.18109	0.10546		08/18/10	17:40	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCVP 00072	Ag	515.66094	514.15527	517.16662	0.41293	ug/L	08/18/10	17:45	
CCVP 00072	Al	5104.21289	5081.31591	5127.11035	0.63440	ug/L	08/18/10	17:45	
CCVP 00072	2Al	5.10464	5.08174	5.12754	0.63440	mg/L	08/18/10	17:45	
CCVP 00072	As	516.41796	517.72601	515.10992	0.35820	ug/L	08/18/10	17:45	
CCVP 00072	B	5171.76367	5145.83203	5197.69580	0.70910	ug/L	08/18/10	17:45	
CCVP 00072	Ba	5184.58007	5168.94580	5200.21435	0.42646	ug/L	08/18/10	17:45	
CCVP 00072	Be	521.37884	519.84625	522.91143	0.41570	ug/L	08/18/10	17:45	
CCVP 00072	Ca	5362.72998	5349.44921	5376.01074	0.35022	ug/L	08/18/10	17:45	
CCVP 00072	Cd	520.22766	518.34124	522.11401	0.51280	ug/L	08/18/10	17:45	
CCVP 00072	Co	519.31665	517.44592	521.18743	0.50944	ug/L	08/18/10	17:45	
CCVP 00072	Cr	5209.05761	5191.57226	5226.54345	0.47471	ug/L	08/18/10	17:45	
CCVP 00072	Cu	5119.96972	5102.15771	5137.78222	0.49200	ug/L	08/18/10	17:45	
CCVP 00072	Fe	5214.28906	5221.01855	5207.55908	0.18252	ug/L	08/18/10	17:45	
CCVP 00072	2Fe	5.21430	5.22102	5.20757	0.18242	mg/L	08/18/10	17:45	
CCVP 00072	K	10313.28710	10299.54687	10327.02832	0.18842	ug/L	08/18/10	17:45	
CCVP 00072	Mg	5350.64746	5332.79882	5368.49658	0.47175	ug/L	08/18/10	17:45	
CCVP 00072	2Mg	5.35061	5.33276	5.36846	0.47188	mg/L	08/18/10	17:45	
CCVP 00072	Mn	5226.20996	5208.63525	5243.78466	0.47557	ug/L	08/18/10	17:45	
CCVP 00072	Mo	525.35559	522.77832	527.93280	0.69377	ug/L	08/18/10	17:45	
CCVP 00072	Na	7634.30810	7578.52880	7690.08740	1.03328	ug/L	08/18/10	17:45	
CCVP 00072	Ni	2594.39843	2587.10766	2601.68896	0.39741	ug/L	08/18/10	17:45	
CCVP 00072	Pb	525.79162	525.19805	526.38519	0.15965	ug/L	08/18/10	17:45	
CCVP 00072	Se	5226.20458	5202.57812	5249.83105	0.63933	ug/L	08/18/10	17:45	
CCVP 00072	Sb	517.57476	516.20758	518.94195	0.37356	ug/L	08/18/10	17:45	
CCVP 00072	Sn	5370.95019	5354.86621	5387.03417	0.42350	ug/L	08/18/10	17:45	
CCVP 00072	Sr	2609.17578	2605.62011	2612.73120	0.19271	ug/L	08/18/10	17:45	
CCVP 00072	Ti	516.15570	514.13018	518.18121	0.55496	ug/L	08/18/10	17:45	
CCVP 00072	Tl	5216.32324	5198.85302	5233.79394	0.47364	ug/L	08/18/10	17:45	
CCVP 00072	V	5350.90039	5328.85742	5372.94384	0.58258	ug/L	08/18/10	17:45	
CCVP 00072	Zn	2633.34155	2624.04541	2642.63769	0.49924	ug/L	08/18/10	17:45	
CCVP 00072	2203/1	528.68798	529.42181	527.95410	0.19630	ug/L	08/18/10	17:45	
CCVP 00072	2203/2	524.34082	523.08453	525.59704	0.33882	ug/L	08/18/10	17:45	
CCVP 00072	1960/1	5229.91552	5210.31103	5249.52001	0.53012	ug/L	08/18/10	17:45	
CCVP 00072	1960/2	5224.35156	5198.71728	5249.98632	0.69391	ug/L	08/18/10	17:45	
CCVP 00072	Y	926.54821	930.99884	922.09765	0.67930		08/18/10	17:45	
CCB	Ag	0.26009	0.80709	-0.28690	297.42251	ug/L	08/18/10	17:57	
CCB	Al	1.11639	0.43402	1.79876	86.44042	ug/L	08/18/10	17:57	
CCB	2Al	0.00111	0.00043	0.00179	86.44184	mg/L	08/18/10	17:57	
CCB	As	0.70310	1.75838	-0.35217	212.25830	ug/L	08/18/10	17:57	
CCB	B	44.50227	48.52354	40.48101	12.77896	ug/L	08/18/10	17:57	
CCB	Ba	0.10465	0.17021	0.03909	88.59241	ug/L	08/18/10	17:57	
CCB	Be	0.01653	0.02233	0.01073	49.59651	ug/L	08/18/10	17:57	
CCB	Ca	0.52646	0.06692	0.98601	123.44479	ug/L	08/18/10	17:57	
CCB	Cd	-0.23102	-0.23103	-0.23101	0.00491	ug/L	08/18/10	17:57	
CCB	Co	0.32812	0.73203	-0.07578	174.08280	ug/L	08/18/10	17:57	
CCB	Cr	0.12134	0.46877	-0.22609	404.92565	ug/L	08/18/10	17:57	
CCB	Cu	0.47081	0.75342	0.18820	84.88990	ug/L	08/18/10	17:57	
CCB	Fe	-6.90912	-5.30790	-8.51033	32.77492	ug/L	08/18/10	17:57	
CCB	2Fe	-0.00690	-0.00530	-0.00850	32.77872	mg/L	08/18/10	17:57	
CCB	K	0.66967	-0.52064	1.86000	251.37094	ug/L	08/18/10	17:57	
CCB	Mg	-2.52394	-5.04697	-0.00090	141.37065	ug/L	08/18/10	17:57	
CCB	2Mg	-0.00252	-0.00504	0.00000	141.45654	mg/L	08/18/10	17:57	
CCB	Mn	0.12907	0.17970	0.07844	55.47180	ug/L	08/18/10	17:57	
CCB	Mo	1.41265	1.96331	0.86198	55.12712	ug/L	08/18/10	17:57	
CCB	Na	103.03125	-0.59883	206.66134	142.24333	ug/L	08/18/10	17:57	
CCB	Ni	-0.47272	-0.28038	-0.66506	57.54199	ug/L	08/18/10	17:57	
CCB	Pb	0.70034	-0.24847	1.64915	191.59603	ug/L	08/18/10	17:57	
CCB	Se	0.53409	7.01565	-5.94747	1716.24621	ug/L	08/18/10	17:57	
CCB	Sb	-1.74394	-1.42384	-2.06405	25.95805	ug/L	08/18/10	17:57	
CCB	Sn	2.43639	4.45230	0.42047	117.01470	ug/L	08/18/10	17:57	
CCB	Sr	0.05443	0.10464	0.00421	130.48002	ug/L	08/18/10	17:57	
CCB	Ti	0.19697	0.37553	0.01841	128.20205	ug/L	08/18/10	17:57	
CCB	Tl	6.67964	10.41016	2.94913	78.98242	ug/L	08/18/10	17:57	
CCB	V	0.39193	0.64064	0.14323	89.73812	ug/L	08/18/10	17:57	
CCB	Zn	0.00909	0.06276	-0.04457	834.51702	ug/L	08/18/10	17:57	
CCB	2203/1	-0.83784	0.81709	-2.49278	279.34140	ug/L	08/18/10	17:57	
CCB	2203/2	1.46827	-0.78046	3.71701	216.59350	ug/L	08/18/10	17:57	
CCB	1960/1	5.36008	11.01181	-0.29163	149.11578	ug/L	08/18/10	17:57	
CCB	1960/2	-1.87529	5.02057	-8.77115	520.03784	ug/L	08/18/10	17:57	
CCB	Y	953.04376	953.34197	952.74554	0.04425		08/18/10	17:57	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 177473	Ag	0.53299	0.38431	0.68167	39.44925	ug/L	08/18/10	18:09	
PBW 177473	Al	7.15346	1.37120	12.93571	114.31317	ug/L	08/18/10	18:09	
PBW 177473	2Al	0.00715	0.00137	0.01293	114.31318	mg/L	08/18/10	18:09	
PBW 177473	As	-0.39332	-2.09911	1.31246	613.31561	ug/L	08/18/10	18:09	
PBW 177473	B	-9.19056	-8.76223	-9.61890	6.59101	ug/L	08/18/10	18:09	
PBW 177473	Ba	0.05779	0.06423	0.05134	15.76858	ug/L	08/18/10	18:09	
PBW 177473	Be	0.00728	0.02838	-0.01381	409.55258	ug/L	08/18/10	18:09	
PBW 177473	Ca	15.37064	15.40797	15.33331	0.34343	ug/L	08/18/10	18:09	
PBW 177473	Cd	-0.13137	-0.24178	-0.02095	118.86588	ug/L	08/18/10	18:09	
PBW 177473	Co	0.19043	0.21054	0.17032	14.93466	ug/L	08/18/10	18:09	
PBW 177473	Cr	-0.28301	-0.79320	0.22717	254.93629	ug/L	08/18/10	18:09	
PBW 177473	Cu	0.56156	1.12742	-0.00430	142.50465	ug/L	08/18/10	18:09	
PBW 177473	Fe	-4.71898	-11.88957	2.45159	214.89202	ug/L	08/18/10	18:09	
PBW 177473	2Fe	-0.00471	-0.01188	0.00245	214.89593	mg/L	08/18/10	18:09	
PBW 177473	K	1.67755	0.58174	2.77336	92.37902	ug/L	08/18/10	18:09	
PBW 177473	Mg	-0.00039	-0.00140	0.00062	366.66253	ug/L	08/18/10	18:09	
PBW 177473	2Mg	0.00000	0.00000	0.00000	80.35489	mg/L	08/18/10	18:09	
PBW 177473	Mn	0.05831	0.09145	0.02518	80.35489	ug/L	08/18/10	18:09	
PBW 177473	Mo	-1.88446	-1.61485	-2.15407	20.23336	ug/L	08/18/10	18:09	
PBW 177473	Na	-64.78271	-37.16648	-92.39894	60.28652	ug/L	08/18/10	18:09	
PBW 177473	Ni	0.76567	0.85847	0.67287	17.14057	ug/L	08/18/10	18:09	
PBW 177473	Pb	1.10846	1.87715	0.33978	98.07131	ug/L	08/18/10	18:09	
PBW 177473	Se	5.79275	3.86910	7.71640	46.96294	ug/L	08/18/10	18:09	
PBW 177473	Sb	-4.61841	-5.16154	-4.07528	16.63127	ug/L	08/18/10	18:09	
PBW 177473	Sn	1.46050	1.67002	1.25098	20.28789	ug/L	08/18/10	18:09	
PBW 177473	Sr	0.03168	0.01766	0.04570	62.57609	ug/L	08/18/10	18:09	
PBW 177473	Ti	-0.20286	-0.21659	-0.18912	9.57636	ug/L	08/18/10	18:09	
PBW 177473	Tl	-0.14911	-1.89464	1.59640	1655.43554	ug/L	08/18/10	18:09	
PBW 177473	V	0.30878	0.34067	0.27689	14.60513	ug/L	08/18/10	18:09	
PBW 177473	Zn	1.20035	1.30478	1.09592	12.30400	ug/L	08/18/10	18:09	
PBW 177473	2203/1	0.13552	3.24695	-2.97590	3246.78149	ug/L	08/18/10	18:09	
PBW 177473	2203/2	1.59421	1.19328	1.99513	35.56565	ug/L	08/18/10	18:09	
PBW 177473	1960/1	5.75211	4.67596	6.82827	26.45826	ug/L	08/18/10	18:09	
PBW 177473	1960/2	5.81304	3.46628	8.15980	57.09262	ug/L	08/18/10	18:09	
PBW 177473	Y	973.73156	973.20727	974.25585	0.07614		08/18/10	18:09	
LCSW-1	Ag	51.47791	51.67942	51.27640	0.55359	ug/L	08/18/10	18:14	
LCSW-1	Al	2033.20825	2041.91394	2024.50256	0.60553	ug/L	08/18/10	18:14	
LCSW-1	2Al	2.03339	2.04210	2.02468	0.60552	mg/L	08/18/10	18:14	
LCSW-1	As	2041.73461	2036.68029	2046.78881	0.35008	ug/L	08/18/10	18:14	
LCSW-1	B	1018.40222	1019.23583	1017.56866	0.11575	ug/L	08/18/10	18:14	
LCSW-1	Ba	2079.01757	2072.20703	2085.82836	0.46328	ug/L	08/18/10	18:14	
LCSW-1	Be	51.14223	51.22153	51.06293	0.21927	ug/L	08/18/10	18:14	
LCSW-1	Ca	5274.46777	5282.20800	5266.72705	0.20754	ug/L	08/18/10	18:14	
LCSW-1	Cd	51.36824	51.62305	51.11342	0.70152	ug/L	08/18/10	18:14	
LCSW-1	Co	518.78295	519.51885	518.04711	0.20059	ug/L	08/18/10	18:14	
LCSW-1	Cr	207.22079	207.57916	206.86242	0.24457	ug/L	08/18/10	18:14	
LCSW-1	Cu	251.44723	251.10455	251.78991	0.19273	ug/L	08/18/10	18:14	
LCSW-1	Fe	1011.23150	1007.51525	1014.94775	0.51971	ug/L	08/18/10	18:14	
LCSW-1	2Fe	1.01132	1.00760	1.01503	0.51957	mg/L	08/18/10	18:14	
LCSW-1	K	5273.17382	5265.61230	5280.73583	0.20279	ug/L	08/18/10	18:14	
LCSW-1	Mg	5270.41943	5280.85937	5259.97949	0.28013	ug/L	08/18/10	18:14	
LCSW-1	2Mg	5.26899	5.27943	5.25855	0.28015	mg/L	08/18/10	18:14	
LCSW-1	Mn	520.23291	520.24310	520.22265	0.00277	ug/L	08/18/10	18:14	
LCSW-1	Mo	509.98339	507.15902	512.80773	0.78321	ug/L	08/18/10	18:14	
LCSW-1	Na	4902.32226	4823.51855	4981.12597	2.27331	ug/L	08/18/10	18:14	
LCSW-1	Ni	512.79321	512.88720	512.69927	0.02591	ug/L	08/18/10	18:14	
LCSW-1	Pb	516.17749	519.14227	513.21270	0.81228	ug/L	08/18/10	18:14	
LCSW-1	Se	2098.06738	2103.97070	2092.16430	0.39790	ug/L	08/18/10	18:14	
LCSW-1	Sb	506.07022	503.82012	508.32031	0.62878	ug/L	08/18/10	18:14	
LCSW-1	Sn	1055.55053	1054.79028	1056.31091	0.10186	ug/L	08/18/10	18:14	
LCSW-1	Sr	525.99560	524.41973	527.57141	0.42368	ug/L	08/18/10	18:14	
LCSW-1	Ti	715.09130	713.79223	716.39044	0.25691	ug/L	08/18/10	18:14	
LCSW-1	Tl	2124.69433	2123.68798	2125.70043	0.06697	ug/L	08/18/10	18:14	
LCSW-1	V	524.57568	524.33636	524.81506	0.06452	ug/L	08/18/10	18:14	
LCSW-1	Zn	526.75805	527.25872	526.25744	0.13440	ug/L	08/18/10	18:14	
LCSW-1	2203/1	520.69848	523.23291	518.16400	0.68835	ug/L	08/18/10	18:14	
LCSW-1	2203/2	513.92041	517.10003	510.74078	0.87497	ug/L	08/18/10	18:14	
LCSW-1	1960/1	2087.97290	2097.57080	2078.37500	0.65007	ug/L	08/18/10	18:14	
LCSW-1	1960/2	2103.10644	2107.16503	2099.04809	0.27290	ug/L	08/18/10	18:14	
LCSW-1	Y	977.67578	976.65124	978.70031	0.14819		08/18/10	18:14	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1 (RL)	Ag	12.11431	12.14553	12.08309	0.36449	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Al	222.38388	225.70819	219.05955	2.11404	ug/L	08/18/10	18:20	
LCSW-1 (RL)	2Al	0.22240	0.22572	0.21907	2.11404	mg/L	08/18/10	18:20	
LCSW-1 (RL)	As	18.94605	19.05580	18.83630	0.81923	ug/L	08/18/10	18:20	
LCSW-1 (RL)	B	95.38764	98.12735	92.64794	4.06187	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Ba	11.21359	11.15327	11.27390	0.76065	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Be	4.33757	4.35786	4.31728	0.66154	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Ca	570.83392	571.64501	570.02282	0.20094	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Cd	5.22632	5.09772	5.35492	3.47989	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Co	5.96927	6.38340	5.55515	9.81128	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Cr	5.82176	5.55276	6.09076	6.53449	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Cu	22.19997	21.64332	22.75663	3.54610	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Fe	53.71515	55.47516	51.95514	4.63375	ug/L	08/18/10	18:20	
LCSW-1 (RL)	2Fe	0.05371	0.05547	0.05195	4.63377	mg/L	08/18/10	18:20	
LCSW-1 (RL)	K	1090.01757	1085.82312	1094.21203	0.54419	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Mg	549.57727	553.54205	545.61248	1.02024	ug/L	08/18/10	18:20	
LCSW-1 (RL)	2Mg	0.54941	0.55338	0.54545	1.02017	mg/L	08/18/10	18:20	
LCSW-1 (RL)	Mn	10.97428	11.04556	10.90301	0.91850	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Mo	11.06162	12.45294	9.67030	17.78784	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Na	1165.93872	1252.57031	1079.30725	10.50788	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Ni	42.91191	42.88759	42.93622	0.08012	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Pb	9.38578	9.63185	9.13970	3.70775	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Se	22.74026	24.02589	21.45463	7.99529	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Sb	18.71044	18.54955	18.87133	1.21608	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Sn	57.63562	59.55416	55.71707	4.70755	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Sr	11.16946	11.18896	11.14996	0.24687	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Ti	11.02363	11.09290	10.95435	0.88872	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Tl	27.52310	28.83552	26.21068	6.74356	ug/L	08/18/10	18:20	
LCSW-1 (RL)	V	11.51326	11.23072	11.79581	3.47059	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Zn	23.52566	23.53701	23.51431	0.06822	ug/L	08/18/10	18:20	
LCSW-1 (RL)	2203/1	10.43966	9.42977	11.44956	13.68058	ug/L	08/18/10	18:20	
LCSW-1 (RL)	2203/2	8.85962	9.73274	7.98650	13.93710	ug/L	08/18/10	18:20	
LCSW-1 (RL)	1960/1	23.08938	29.76984	16.40893	40.91746	ug/L	08/18/10	18:20	
LCSW-1 (RL)	1960/2	22.56594	21.15820	23.97369	8.82238	ug/L	08/18/10	18:20	
LCSW-1 (RL)	Y	967.68054	965.07836	970.28277	0.38029		08/18/10	18:20	
16115-1	Ag	0.01862	-0.04179	0.07905	458.69915	ug/L	08/18/10	18:25	
16115-1	Al	106.90370	104.22906	109.57835	3.53824	ug/L	08/18/10	18:25	
16115-1	2Al	0.10691	0.10423	0.10958	3.53824	mg/L	08/18/10	18:25	
16115-1	As	0.52872	1.81900	-0.76154	345.11590	ug/L	08/18/10	18:25	
16115-1	B	4.43463	3.96674	4.90253	14.92119	ug/L	08/18/10	18:25	
16115-1	Ba	25.70697	25.66535	25.74859	0.22895	ug/L	08/18/10	18:25	
16115-1	Be	-0.01411	0.00270	-0.03093	168.48689	ug/L	08/18/10	18:25	
16115-1	Ca	25046.17968	25008.35546	25084.00585	0.21357	ug/L	08/18/10	18:25	
16115-1	Cd	-0.29320	-0.31335	-0.27305	9.71938	ug/L	08/18/10	18:25	
16115-1	Co	0.32260	0.36449	0.28070	18.36547	ug/L	08/18/10	18:25	
16115-1	Cr	0.03383	0.06255	0.00512	120.02020	ug/L	08/18/10	18:25	
16115-1	Cu	1.41729	1.49458	1.34001	7.71158	ug/L	08/18/10	18:25	
16115-1	Fe	16.62457	14.16723	19.08191	20.90402	ug/L	08/18/10	18:25	
16115-1	2Fe	0.01662	0.01416	0.01907	20.90400	mg/L	08/18/10	18:25	
16115-1	K	1637.65087	1638.21582	1637.08605	0.04878	ug/L	08/18/10	18:25	
16115-1	Mg	9245.40917	9234.64746	9256.17089	0.16461	ug/L	08/18/10	18:25	
16115-1	2Mg	9.24279	9.23204	9.25355	0.16461	mg/L	08/18/10	18:25	
16115-1	Mn	6.00552	5.97816	6.03288	0.64425	ug/L	08/18/10	18:25	
16115-1	Mo	-1.57417	-0.88670	-2.26164	61.76140	ug/L	08/18/10	18:25	
16115-1	Na	42235.00390	42210.95703	42259.05078	0.08051	ug/L	08/18/10	18:25	
16115-1	Ni	-0.01656	-0.84828	0.81514	7099.29248	ug/L	08/18/10	18:25	
16115-1	Pb	-0.12700	-0.05676	-0.19725	78.22025	ug/L	08/18/10	18:25	
16115-1	Se	-0.97113	-2.73173	0.78947	256.38803	ug/L	08/18/10	18:25	
16115-1	Sb	-3.19062	-4.33744	-2.04380	50.83171	ug/L	08/18/10	18:25	
16115-1	Sn	2.47474	3.01139	1.93808	30.66754	ug/L	08/18/10	18:25	
16115-1	Sr	105.25031	105.20660	105.29402	0.05873	ug/L	08/18/10	18:25	
16115-1	Ti	0.11031	0.08277	0.13784	35.29907	ug/L	08/18/10	18:25	
16115-1	Tl	2.29185	3.81284	0.77086	93.85455	ug/L	08/18/10	18:25	
16115-1	V	0.52930	0.21180	0.84680	84.83029	ug/L	08/18/10	18:25	
16115-1	Zn	32.79352	32.35695	33.23008	1.88267	ug/L	08/18/10	18:25	
16115-1	2203/1	-0.78315	-2.76425	1.19793	357.74282	ug/L	08/18/10	18:25	
16115-1	2203/2	0.20057	1.29495	-0.89380	771.63287	ug/L	08/18/10	18:25	
16115-1	1960/1	-4.66475	-6.68136	-2.64814	61.13750	ug/L	08/18/10	18:25	
16115-1	1960/2	0.87291	-0.75987	2.50570	264.52947	ug/L	08/18/10	18:25	
16115-1	Y	955.83837	956.17022	955.50646	0.04910		08/18/10	18:25	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
16115-1L	Ag	0.68269	0.38435	0.98103	61.80208	ug/L	08/18/10	18:30	
16115-1L	Al	21.82670	19.60858	24.04482	14.37182	ug/L	08/18/10	18:30	
16115-1L	2Al	0.02182	0.01961	0.02404	14.37181	mg/L	08/18/10	18:30	
16115-1L	As	1.28204	-0.15775	2.72185	158.82333	ug/L	08/18/10	18:30	
16115-1L	B	6.60687	6.95196	6.26178	7.38667	ug/L	08/18/10	18:30	
16115-1L	Ba	5.04337	5.03411	5.05264	0.25975	ug/L	08/18/10	18:30	
16115-1L	Be	0.00017	-0.00366	0.00402	3047.56298	ug/L	08/18/10	18:30	
16115-1L	Ca	4865.95947	4866.44238	4865.47656	0.01403	ug/L	08/18/10	18:30	
16115-1L	Cd	-0.42435	-0.54361	-0.30509	39.74511	ug/L	08/18/10	18:30	
16115-1L	Co	1.04050	1.35505	0.72595	42.75279	ug/L	08/18/10	18:30	
16115-1L	Cr	-0.45394	-0.11269	-0.79519	106.31195	ug/L	08/18/10	18:30	
16115-1L	Cu	0.10271	0.24388	-0.03845	194.36926	ug/L	08/18/10	18:30	
16115-1L	Fe	-7.93341	-16.76393	0.89711	157.41333	ug/L	08/18/10	18:30	
16115-1L	2Fe	-0.00793	-0.01676	0.00089	157.41879	mg/L	08/18/10	18:30	
16115-1L	K	285.64962	287.48867	283.81057	0.91048	ug/L	08/18/10	18:30	
16115-1L	Mg	1790.17224	1794.30236	1786.04211	0.32627	ug/L	08/18/10	18:30	
16115-1L	2Mg	1.78966	1.79379	1.78553	0.32639	mg/L	08/18/10	18:30	
16115-1L	Mn	1.26467	1.27040	1.25894	0.64086	ug/L	08/18/10	18:30	
16115-1L	Mo	-0.84819	-1.25481	-0.44157	67.79637	ug/L	08/18/10	18:30	
16115-1L	Na	7878.17626	7900.70019	7855.65234	0.40432	ug/L	08/18/10	18:30	
16115-1L	Ni	-0.44393	-0.56039	-0.32748	37.09786	ug/L	08/18/10	18:30	
16115-1L	Pb	-1.14040	-1.16067	-1.12013	2.51343	ug/L	08/18/10	18:30	
16115-1L	Se	-4.39420	-6.42260	-2.36581	65.28110	ug/L	08/18/10	18:30	
16115-1L	Sb	-5.49998	-5.36722	-5.63274	3.41369	ug/L	08/18/10	18:30	
16115-1L	Sn	1.84508	1.38866	2.30150	34.98352	ug/L	08/18/10	18:30	
16115-1L	Sr	20.56354	20.60659	20.52050	0.29604	ug/L	08/18/10	18:30	
16115-1L	Ti	-0.01700	-0.04319	0.00918	217.84677	ug/L	08/18/10	18:30	
16115-1L	Tl	2.75589	1.01488	4.49689	89.34133	ug/L	08/18/10	18:30	
16115-1L	V	0.20159	0.13423	0.26896	47.25695	ug/L	08/18/10	18:30	
16115-1L	Zn	6.74355	6.94003	6.54708	4.12038	ug/L	08/18/10	18:30	
16115-1L	2203/1	-1.10318	0.60083	-2.80721	218.44421	ug/L	08/18/10	18:30	
16115-1L	2203/2	-1.15895	-2.04010	-0.27781	107.52160	ug/L	08/18/10	18:30	
16115-1L	1960/1	-7.13539	-6.06105	-8.20972	21.29293	ug/L	08/18/10	18:30	
16115-1L	1960/2	-3.02567	-6.60311	0.55176	167.21107	ug/L	08/18/10	18:30	
16115-1L	Y	971.69689	973.48626	969.90759	0.26042		08/18/10	18:30	
16115-1A	Ag	42.24960	40.45000	44.04920	6.02376	ug/L	08/18/10	18:35	
16115-1A	Al	2072.92480	2052.86694	2092.98266	1.36840	ug/L	08/18/10	18:35	
16115-1A	2Al	2.07299	2.05305	2.09293	1.36018	mg/L	08/18/10	18:35	
16115-1A	As	1992.67761	1976.69091	2008.66430	1.13458	ug/L	08/18/10	18:35	
16115-1A	B	1006.33270	996.06890	1016.59649	1.44238	ug/L	08/18/10	18:35	
16115-1A	Ba	2031.49963	2009.64331	2053.35595	1.52151	ug/L	08/18/10	18:35	
16115-1A	Be	49.40702	48.82450	49.98954	1.66739	ug/L	08/18/10	18:35	
16115-1A	Ca	29038.00976	28998.14843	29077.87109	0.19413	ug/L	08/18/10	18:35	
16115-1A	Cd	49.56119	49.19126	49.93112	1.05558	ug/L	08/18/10	18:35	
16115-1A	Co	497.21044	491.16366	503.25723	1.71988	ug/L	08/18/10	18:35	
16115-1A	Cr	199.84320	197.28614	202.40025	1.80952	ug/L	08/18/10	18:35	
16115-1A	Cu	246.37182	243.28779	249.45585	1.77028	ug/L	08/18/10	18:35	
16115-1A	Fe	1007.04724	992.18603	1021.90844	2.08698	ug/L	08/18/10	18:35	
16115-1A	2Fe	1.00712	0.99226	1.02199	2.08690	mg/L	08/18/10	18:35	
16115-1A	K	7294.23437	7246.45898	7342.01025	0.92627	ug/L	08/18/10	18:35	
16115-1A	Mg	14040.41992	13989.58007	14091.25976	0.51208	ug/L	08/18/10	18:35	
16115-1A	2Mg	14.03651	13.98568	14.08733	0.51207	mg/L	08/18/10	18:35	
16115-1A	Mn	508.04241	502.32852	513.75634	1.59055	ug/L	08/18/10	18:35	
16115-1A	Mo	490.54464	486.60006	494.48922	1.13720	ug/L	08/18/10	18:35	
16115-1A	Na	46123.18750	45981.79687	46264.57812	0.43352	ug/L	08/18/10	18:35	
16115-1A	Ni	490.26803	484.54074	495.99533	1.65207	ug/L	08/18/10	18:35	
16115-1A	Pb	496.06311	491.17861	500.94763	1.39251	ug/L	08/18/10	18:35	
16115-1A	Se	2025.21679	2005.90478	2044.52868	1.34855	ug/L	08/18/10	18:35	
16115-1A	Sb	481.40216	470.85891	491.94540	3.09728	ug/L	08/18/10	18:35	
16115-1A	Sn	1039.88183	1021.25268	1058.51098	2.53351	ug/L	08/18/10	18:35	
16115-1A	Sr	617.24914	612.70141	621.79693	1.04196	ug/L	08/18/10	18:35	
16115-1A	Ti	996.24212	983.93713	1008.54711	1.74675	ug/L	08/18/10	18:35	
16115-1A	Tl	2070.89306	2059.33813	2082.44775	0.78907	ug/L	08/18/10	18:35	
16115-1A	V	507.67211	501.82382	513.52038	1.62914	ug/L	08/18/10	18:35	
16115-1A	Zn	535.94201	530.25256	541.63140	1.50129	ug/L	08/18/10	18:35	
16115-1A	2203/1	499.89257	495.26016	504.52499	1.31052	ug/L	08/18/10	18:35	
16115-1A	2203/2	494.15130	489.14093	499.16165	1.43391	ug/L	08/18/10	18:35	
16115-1A	1960/1	2021.84497	2008.83007	2034.85974	0.91034	ug/L	08/18/10	18:35	
16115-1A	1960/2	2026.89941	2004.44360	2049.35522	1.56679	ug/L	08/18/10	18:35	
16115-1A	Y	962.79846	962.68298	962.91387	0.01695		08/18/10	18:35	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
29380-1	Ag	0.23394	0.50333	-0.03545	162.85578	ug/L	08/18/10	18:40	
29380-1	Al	7.71987	6.11428	9.32546	29.41303	ug/L	08/18/10	18:40	
29380-1	2Al	0.00772	0.00611	0.00932	29.41308	mg/L	08/18/10	18:40	
29380-1	As	-0.10500	-2.25075	2.04074	2889.87451	ug/L	08/18/10	18:40	
29380-1	B	-5.24997	-4.57445	-5.92549	18.19691	ug/L	08/18/10	18:40	
29380-1	Ba	6.25169	6.24887	6.25450	0.06367	ug/L	08/18/10	18:40	
29380-1	Be	0.01124	0.00984	0.01264	17.66213	ug/L	08/18/10	18:40	
29380-1	Ca	42738.02734	42811.42968	42664.62500	0.24289	ug/L	08/18/10	18:40	
29380-1	Cd	-0.26663	-0.45143	-0.08184	98.01393	ug/L	08/18/10	18:40	
29380-1	Co	0.30775	0.24685	0.36866	27.98752	ug/L	08/18/10	18:40	
29380-1	Cr	1.97443	1.83520	2.11367	9.97303	ug/L	08/18/10	18:40	
29380-1	Cu	3.71505	3.73788	3.69221	0.86918	ug/L	08/18/10	18:40	
29380-1	Fe	-2.15028	10.74567	-15.04623	848.15155	ug/L	08/18/10	18:40	
29380-1	2Fe	-0.00214	0.01074	-0.01504	848.30090	mg/L	08/18/10	18:40	
29380-1	K	417.07232	419.48959	414.65505	0.81964	ug/L	08/18/10	18:40	
29380-1	Mg	6576.32910	6587.00781	6565.65039	0.22964	ug/L	08/18/10	18:40	
29380-1	2Mg	6.57447	6.58514	6.56380	0.22958	mg/L	08/18/10	18:40	
29380-1	Mn	0.13564	0.11938	0.15190	16.95431	ug/L	08/18/10	18:40	
29380-1	Mo	-0.43821	-0.70885	-0.16758	87.33896	ug/L	08/18/10	18:40	
29380-1	Na	2833.08520	2828.33007	2837.84033	0.23736	ug/L	08/18/10	18:40	
29380-1	Ni	-0.10657	-0.23040	0.01725	164.31822	ug/L	08/18/10	18:40	
29380-1	Pb	1.21338	1.88049	0.54628	77.75177	ug/L	08/18/10	18:40	
29380-1	Se	0.25925	1.41423	-0.89572	630.03332	ug/L	08/18/10	18:40	
29380-1	Sb	-4.30413	-3.02502	-5.58323	42.02770	ug/L	08/18/10	18:40	
29380-1	Sn	-1.18133	-1.96758	-0.39509	94.12388	ug/L	08/18/10	18:40	
29380-1	Sr	88.88266	89.11199	88.65333	0.36489	ug/L	08/18/10	18:40	
29380-1	Ti	0.50036	0.55484	0.44588	15.39786	ug/L	08/18/10	18:40	
29380-1	Tl	-0.14627	-0.94732	0.65477	774.45758	ug/L	08/18/10	18:40	
29380-1	V	2.86189	3.14473	2.57904	13.97669	ug/L	08/18/10	18:40	
29380-1	Zn	88.24749	88.86443	87.63056	0.98866	ug/L	08/18/10	18:40	
29380-1	2203/1	-0.24353	-0.54628	0.05921	175.80851	ug/L	08/18/10	18:40	
29380-1	2203/2	1.94076	3.09207	0.78945	83.89484	ug/L	08/18/10	18:40	
29380-1	1960/1	-3.85636	-2.27123	-5.44150	58.13040	ug/L	08/18/10	18:40	
29380-1	1960/2	2.31398	3.25420	1.37375	57.46301	ug/L	08/18/10	18:40	
29380-1	Y	965.84796	964.27990	967.41601	0.22959		08/18/10	18:40	
60337-1	Ag	0.74259	0.44359	1.04160	56.94322	ug/L	08/18/10	18:46	
60337-1	Al	320.83901	325.52609	316.15194	2.06599	ug/L	08/18/10	18:46	
60337-1	2Al	0.32086	0.32555	0.31618	2.06599	mg/L	08/18/10	18:46	
60337-1	As	3.34041	2.91470	3.76612	18.02295	ug/L	08/18/10	18:46	
60337-1	B	-8.41348	-7.82707	-8.99989	9.85696	ug/L	08/18/10	18:46	
60337-1	Ba	501.88827	501.61727	502.15927	0.07636	ug/L	08/18/10	18:46	
60337-1	Be	0.39278	0.38214	0.40343	3.83202	ug/L	08/18/10	18:46	
60337-1	Ca	18531.94726	18535.68164	18528.21289	0.02849	ug/L	08/18/10	18:46	
60337-1	Cd	0.02707	0.13859	-0.08443	582.41491	ug/L	08/18/10	18:46	
60337-1	Co	0.62750	0.76462	0.49039	30.90145	ug/L	08/18/10	18:46	
60337-1	Cr	0.71395	0.57110	0.85680	28.29624	ug/L	08/18/10	18:46	
60337-1	Cu	3.34924	3.34251	3.35596	0.28399	ug/L	08/18/10	18:46	
60337-1	Fe	24.96320	24.93998	24.98642	0.13153	ug/L	08/18/10	18:46	
60337-1	2Fe	0.02496	0.02493	0.02498	0.13103	mg/L	08/18/10	18:46	
60337-1	K	1605.86108	1600.66101	1611.06103	0.45794	ug/L	08/18/10	18:46	
60337-1	Mg	4808.23925	4800.86230	4815.61621	0.21697	ug/L	08/18/10	18:46	
60337-1	2Mg	4.80691	4.79953	4.81428	0.21696	mg/L	08/18/10	18:46	
60337-1	Mn	75.20121	75.24657	75.15584	0.08531	ug/L	08/18/10	18:46	
60337-1	Mo	-0.03335	-0.71217	0.64545	2877.70166	ug/L	08/18/10	18:46	
60337-1	Na	42836.66406	42935.80859	42737.51953	0.32731	ug/L	08/18/10	18:46	
60337-1	Ni	5.33464	5.40045	5.26883	1.74463	ug/L	08/18/10	18:46	
60337-1	Pb	6.10188	5.33207	6.87169	17.84169	ug/L	08/18/10	18:46	
60337-1	Se	-1.05825	0.49215	-2.60865	207.19174	ug/L	08/18/10	18:46	
60337-1	Sb	-2.87587	-2.33185	-3.41988	26.75198	ug/L	08/18/10	18:46	
60337-1	Sn	1.28487	0.89730	1.67244	42.65834	ug/L	08/18/10	18:46	
60337-1	Sr	105.66112	105.71051	105.61174	0.06609	ug/L	08/18/10	18:46	
60337-1	Ti	0.15861	0.19933	0.11788	36.30964	ug/L	08/18/10	18:46	
60337-1	Tl	0.60301	-0.60175	1.80778	282.54614	ug/L	08/18/10	18:46	
60337-1	V	0.19653	0.61134	-0.21827	298.48196	ug/L	08/18/10	18:46	
60337-1	Zn	32.71599	32.43709	32.99490	1.20562	ug/L	08/18/10	18:46	
60337-1	2203/1	7.95485	5.10031	10.80939	50.74802	ug/L	08/18/10	18:46	
60337-1	2203/2	5.17679	5.44777	4.90580	7.40293	ug/L	08/18/10	18:46	
60337-1	1960/1	-1.86363	-1.56350	-2.16377	22.77577	ug/L	08/18/10	18:46	
60337-1	1960/2	-0.65615	1.51844	-2.83076	468.69027	ug/L	08/18/10	18:46	
60337-1	Y	968.85424	969.34002	968.36840	0.07091		08/18/10	18:46	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60345-1	Ag	0.56353	0.80442	0.32264	60.45155	ug/L	08/18/10	18:51	
60345-1	Al	9.05199	11.83407	6.26990	43.46516	ug/L	08/18/10	18:51	
60345-1	2Al	0.00905	0.01183	0.00627	43.46516	mg/L	08/18/10	18:51	
60345-1	As	1.92765	2.19708	1.65821	19.76693	ug/L	08/18/10	18:51	
60345-1	B	-7.42290	-7.63544	-7.21036	4.04932	ug/L	08/18/10	18:51	
60345-1	Ba	142.04212	141.88929	142.19496	0.15216	ug/L	08/18/10	18:51	
60345-1	Be	0.03483	0.02950	0.04017	21.65867	ug/L	08/18/10	18:51	
60345-1	Ca	34208.67187	34231.47265	34185.87500	0.09425	ug/L	08/18/10	18:51	
60345-1	Cd	-0.27999	-0.29113	-0.26884	5.62874	ug/L	08/18/10	18:51	
60345-1	Co	0.84428	0.84492	0.84365	0.10606	ug/L	08/18/10	18:51	
60345-1	Cr	0.06085	0.17561	-0.05391	266.72946	ug/L	08/18/10	18:51	
60345-1	Cu	6.73217	6.85156	6.61277	2.50811	ug/L	08/18/10	18:51	
60345-1	Fe	13.95738	25.25242	2.66233	114.44554	ug/L	08/18/10	18:51	
60345-1	2Fe	0.01395	0.02524	0.00266	114.44273	mg/L	08/18/10	18:51	
60345-1	K	781.02398	778.15423	783.89373	0.51963	ug/L	08/18/10	18:51	
60345-1	Mg	5724.22460	5723.56787	5724.88085	0.01621	ug/L	08/18/10	18:51	
60345-1	2Mg	5.72260	5.72195	5.72326	0.01626	mg/L	08/18/10	18:51	
60345-1	Mn	4.86885	4.87661	4.86109	0.22551	ug/L	08/18/10	18:51	
60345-1	Mo	-1.07153	-0.88937	-1.25369	24.04145	ug/L	08/18/10	18:51	
60345-1	Na	9398.87988	9323.00000	9474.75976	1.14173	ug/L	08/18/10	18:51	
60345-1	Ni	1.39065	1.82568	0.95562	44.23990	ug/L	08/18/10	18:51	
60345-1	Pb	0.65687	-0.42283	1.73658	232.45640	ug/L	08/18/10	18:51	
60345-1	Se	3.90813	5.20425	2.61200	46.90209	ug/L	08/18/10	18:51	
60345-1	Sb	-2.18051	0.11792	-4.47896	149.06986	ug/L	08/18/10	18:51	
60345-1	Sn	1.33681	1.09088	1.58275	26.01739	ug/L	08/18/10	18:51	
60345-1	Sr	608.31274	609.60144	607.02410	0.29959	ug/L	08/18/10	18:51	
60345-1	Ti	0.36319	0.24092	0.48546	47.60892	ug/L	08/18/10	18:51	
60345-1	Tl	1.68151	1.89272	1.47029	17.76406	ug/L	08/18/10	18:51	
60345-1	V	0.37252	0.09341	0.65163	105.95710	ug/L	08/18/10	18:51	
60345-1	Zn	7.71660	7.34613	8.08706	6.78947	ug/L	08/18/10	18:51	
60345-1	2203/1	1.03807	3.07263	-0.99648	277.17654	ug/L	08/18/10	18:51	
60345-1	2203/2	0.46655	-2.16795	3.10106	798.56536	ug/L	08/18/10	18:51	
60345-1	1960/1	-1.74409	-2.23632	-1.25186	39.91289	ug/L	08/18/10	18:51	
60345-1	1960/2	6.73000	8.91896	4.54104	45.99781	ug/L	08/18/10	18:51	
60345-1	Y	961.67773	961.78833	961.56707	0.01626		08/18/10	18:51	
60345-1S	Ag	54.20497	53.52731	54.88263	1.76802	ug/L	08/18/10	18:56	
60345-1S	Al	2161.72851	2157.48095	2165.97631	0.27788	ug/L	08/18/10	18:56	
60345-1S	2Al	2.16192	2.15767	2.16617	0.27788	mg/L	08/18/10	18:56	
60345-1S	As	2169.59350	2158.03588	2181.15112	0.75336	ug/L	08/18/10	18:56	
60345-1S	B	1076.16491	1072.97448	1079.35534	0.41926	ug/L	08/18/10	18:56	
60345-1S	Ba	2316.45605	2311.68774	2321.22436	0.29110	ug/L	08/18/10	18:56	
60345-1S	Be	54.04229	53.92978	54.15480	0.29441	ug/L	08/18/10	18:56	
60345-1S	Ca	41111.95312	41007.42187	41216.48046	0.35957	ug/L	08/18/10	18:56	
60345-1S	Cd	54.18294	53.87166	54.49421	0.81244	ug/L	08/18/10	18:56	
60345-1S	Co	542.51641	541.02917	544.00366	0.38768	ug/L	08/18/10	18:56	
60345-1S	Cr	217.19561	216.63227	217.75895	0.36680	ug/L	08/18/10	18:56	
60345-1S	Cu	270.02960	269.68893	270.37026	0.17841	ug/L	08/18/10	18:56	
60345-1S	Fe	1110.36291	1091.29101	1129.43481	2.42909	ug/L	08/18/10	18:56	
60345-1S	2Fe	1.11045	1.09138	1.12952	2.42866	mg/L	08/18/10	18:56	
60345-1S	K	6407.07031	6388.23828	6425.90234	0.41567	ug/L	08/18/10	18:56	
60345-1S	Mg	11597.62304	11555.37792	11639.86816	0.51513	ug/L	08/18/10	18:56	
60345-1S	2Mg	11.59440	11.55217	11.63663	0.51510	mg/L	08/18/10	18:56	
60345-1S	Mn	552.58898	551.30590	553.87213	0.32838	ug/L	08/18/10	18:56	
60345-1S	Mo	535.42846	531.99810	538.85876	0.90604	ug/L	08/18/10	18:56	
60345-1S	Na	15050.19726	14939.16210	15161.23144	1.04335	ug/L	08/18/10	18:56	
60345-1S	Ni	536.98156	535.39324	538.56988	0.41830	ug/L	08/18/10	18:56	
60345-1S	Pb	541.21630	542.18975	540.24279	0.25437	ug/L	08/18/10	18:56	
60345-1S	Se	2190.17480	2187.08374	2193.26586	0.19959	ug/L	08/18/10	18:56	
60345-1S	Sb	535.48901	533.99481	536.98327	0.39462	ug/L	08/18/10	18:56	
60345-1S	Sn	1113.21704	1107.32800	1119.10595	0.74812	ug/L	08/18/10	18:56	
60345-1S	Sr	1161.37268	1160.60290	1162.14245	0.09373	ug/L	08/18/10	18:56	
60345-1S	Ti	751.25860	749.57055	752.94665	0.31776	ug/L	08/18/10	18:56	
60345-1S	Tl	2217.72338	2207.91479	2227.53198	0.62548	ug/L	08/18/10	18:56	
60345-1S	V	555.92749	554.81176	557.04327	0.28383	ug/L	08/18/10	18:56	
60345-1S	Zn	559.19909	556.87603	561.52215	0.58750	ug/L	08/18/10	18:56	
60345-1S	2203/1	545.99212	547.08532	544.89892	0.28315	ug/L	08/18/10	18:56	
60345-1S	2203/2	538.83190	539.74560	537.91821	0.23980	ug/L	08/18/10	18:56	
60345-1S	1960/1	2198.92041	2190.07373	2207.76684	0.56895	ug/L	08/18/10	18:56	
60345-1S	1960/2	2185.80761	2185.59008	2186.02539	0.01408	ug/L	08/18/10	18:56	
60345-1S	Y	942.61083	944.79943	940.42230	0.32835		08/18/10	18:56	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	492.08007	492.67657	491.48361	0.17142	ug/L	08/18/10	19:01	
CCV	Al	4912.47021	4918.31298	4906.62744	0.16820	ug/L	08/18/10	19:01	
CCV	2Al	4.91288	4.91873	4.90704	0.16820	mg/L	08/18/10	19:01	
CCV	As	496.03045	499.50836	492.55252	0.99157	ug/L	08/18/10	19:01	
CCV	B	4922.09472	4912.55615	4931.63378	0.27406	ug/L	08/18/10	19:01	
CCV	Ba	4988.34277	4989.05468	4987.63037	0.02018	ug/L	08/18/10	19:01	
CCV	Be	494.89270	494.94705	494.83831	0.01553	ug/L	08/18/10	19:01	
CCV	Ca	5130.83789	5131.55517	5130.12109	0.01976	ug/L	08/18/10	19:01	
CCV	Cd	491.57769	492.37533	490.78005	0.22947	ug/L	08/18/10	19:01	
CCV	Co	497.11291	496.97262	497.25323	0.03991	ug/L	08/18/10	19:01	
CCV	Cr	4950.11718	4948.80957	4951.42480	0.03735	ug/L	08/18/10	19:01	
CCV	Cu	4936.05126	4935.44873	4936.65380	0.01726	ug/L	08/18/10	19:01	
CCV	Fe	4947.65234	4972.07763	4923.22753	0.69815	ug/L	08/18/10	19:01	
CCV	2Fe	4.94767	4.97209	4.92324	0.69808	mg/L	08/18/10	19:01	
CCV	K	10032.85839	10044.52050	10021.19628	0.16438	ug/L	08/18/10	19:01	
CCV	Mg	5109.35156	5119.51904	5099.18359	0.28143	ug/L	08/18/10	19:01	
CCV	2Mg	5.10932	5.11948	5.09916	0.28125	mg/L	08/18/10	19:01	
CCV	Mn	4996.49902	4997.80126	4995.19677	0.03685	ug/L	08/18/10	19:01	
CCV	Mo	496.44619	493.78982	499.10256	0.75671	ug/L	08/18/10	19:01	
CCV	Na	7506.76269	7469.36718	7544.15771	0.70449	ug/L	08/18/10	19:01	
CCV	Ni	2479.29833	2483.50927	2475.08715	0.24020	ug/L	08/18/10	19:01	
CCV	Pb	501.01550	502.83312	499.19787	0.51306	ug/L	08/18/10	19:01	
CCV	Se	4982.57910	5001.90966	4963.24853	0.54866	ug/L	08/18/10	19:01	
CCV	Sb	490.71765	496.49560	484.93966	1.66516	ug/L	08/18/10	19:01	
CCV	Sn	5105.11376	5103.25683	5106.97070	0.05144	ug/L	08/18/10	19:01	
CCV	Sr	2486.27905	2490.99194	2481.56616	0.26807	ug/L	08/18/10	19:01	
CCV	Ti	494.83599	495.40530	494.26669	0.16270	ug/L	08/18/10	19:01	
CCV	Tl	4964.20605	4966.14257	4962.26953	0.05516	ug/L	08/18/10	19:01	
CCV	V	5132.14550	5138.27099	5126.02050	0.16878	ug/L	08/18/10	19:01	
CCV	Zn	2505.43896	2508.25146	2502.62670	0.15874	ug/L	08/18/10	19:01	
CCV	2203/1	504.97369	506.17129	503.77606	0.33540	ug/L	08/18/10	19:01	
CCV	2203/2	499.03469	501.16186	496.90753	0.60281	ug/L	08/18/10	19:01	
CCV	1960/1	5023.27880	5032.17822	5014.37939	0.25054	ug/L	08/18/10	19:01	
CCV	1960/2	4962.25976	4986.79833	4937.72119	0.69933	ug/L	08/18/10	19:01	
CCV	Y	966.50695	964.09710	968.91674	0.35261		08/18/10	19:01	
CCB	Ag	0.59349	0.56407	0.62291	7.01048	ug/L	08/18/10	19:06	
CCB	Al	-9.89745	-14.33782	-5.45709	63.44683	ug/L	08/18/10	19:06	
CCB	2Al	-0.00989	-0.01433	-0.00545	63.44654	mg/L	08/18/10	19:06	
CCB	As	1.57008	2.01227	1.12788	39.82969	ug/L	08/18/10	19:06	
CCB	B	25.50816	27.40952	23.60679	10.54146	ug/L	08/18/10	19:06	
CCB	Ba	1.38919	0.24884	2.52954	116.08869	ug/L	08/18/10	19:06	
CCB	Be	0.16448	0.05548	0.27348	93.71389	ug/L	08/18/10	19:06	
CCB	Ca	7.93114	4.47640	11.38588	61.60200	ug/L	08/18/10	19:06	
CCB	Cd	0.08899	0.03747	0.14052	81.87625	ug/L	08/18/10	19:06	
CCB	Co	0.12734	-0.07288	0.32757	222.36793	ug/L	08/18/10	19:06	
CCB	Cr	0.94411	0.00544	1.88277	140.60508	ug/L	08/18/10	19:06	
CCB	Cu	1.46514	0.26107	2.66920	116.22113	ug/L	08/18/10	19:06	
CCB	Fe	-10.22773	-15.03199	-5.42348	66.42961	ug/L	08/18/10	19:06	
CCB	2Fe	-0.01022	-0.01503	-0.00542	66.43339	mg/L	08/18/10	19:06	
CCB	K	1.65764	8.31175	-4.99647	567.69464	ug/L	08/18/10	19:06	
CCB	Mg	0.00825	-0.00103	0.01754	159.14949	ug/L	08/18/10	19:06	
CCB	2Mg	0.00001	0.00000	0.00001	118.78067	mg/L	08/18/10	19:06	
CCB	Mn	1.33241	0.21331	2.45152	118.78067	ug/L	08/18/10	19:06	
CCB	Mo	0.35270	1.77890	-1.07348	571.84484	ug/L	08/18/10	19:06	
CCB	Na	92.58666	36.83590	148.33741	85.15641	ug/L	08/18/10	19:06	
CCB	Ni	1.35252	1.87774	0.82731	54.91718	ug/L	08/18/10	19:06	
CCB	Pb	-0.44949	-2.58155	1.68257	670.80072	ug/L	08/18/10	19:06	
CCB	Se	2.82768	-1.30753	6.96290	206.81549	ug/L	08/18/10	19:06	
CCB	Sb	-4.53289	-4.37173	-4.69405	5.02808	ug/L	08/18/10	19:06	
CCB	Sn	2.25814	2.07339	2.44289	11.57031	ug/L	08/18/10	19:06	
CCB	Sr	0.67911	0.09744	1.26077	121.12807	ug/L	08/18/10	19:06	
CCB	Ti	0.11503	-0.09108	0.32114	253.40747	ug/L	08/18/10	19:06	
CCB	Tl	5.73557	9.55642	1.91473	94.21003	ug/L	08/18/10	19:06	
CCB	V	1.43003	0.14441	2.71566	127.14010	ug/L	08/18/10	19:06	
CCB	Zn	0.58354	-0.04451	1.21159	152.20852	ug/L	08/18/10	19:06	
CCB	2203/1	-0.16413	-1.20495	0.87669	896.81292	ug/L	08/18/10	19:06	
CCB	2203/2	-0.59195	-3.26882	2.08490	639.51458	ug/L	08/18/10	19:06	
CCB	1960/1	-0.45040	-2.54259	1.64177	656.91143	ug/L	08/18/10	19:06	
CCB	1960/2	4.46427	-0.69093	9.61947	163.30920	ug/L	08/18/10	19:06	
CCB	Y	961.09570	953.53436	968.65698	1.11261		08/18/10	19:06	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60345-1SD	Ag	51.26366	51.41132	51.11599	0.40736	ug/L	08/18/10	19:12	
60345-1SD	Al	2034.17150	2035.94531	2032.39770	0.12331	ug/L	08/18/10	19:12	
60345-1SD	2Al	2.03435	2.03613	2.03258	0.12331	mg/L	08/18/10	19:12	
60345-1SD	As	2021.57678	2023.97290	2019.18066	0.16762	ug/L	08/18/10	19:12	
60345-1SD	B	1015.71606	1013.75695	1017.67510	0.27276	ug/L	08/18/10	19:12	
60345-1SD	Ba	2202.42114	2203.48559	2201.35668	0.06835	ug/L	08/18/10	19:12	
60345-1SD	Be	50.59320	50.68230	50.50408	0.24908	ug/L	08/18/10	19:12	
60345-1SD	Ca	39315.21093	39407.26953	39223.14843	0.33115	ug/L	08/18/10	19:12	
60345-1SD	Cd	50.48134	50.91097	50.05170	1.20360	ug/L	08/18/10	19:12	
60345-1SD	Co	510.15505	511.65573	508.65438	0.41600	ug/L	08/18/10	19:12	
60345-1SD	Cr	203.88259	204.11688	203.64833	0.16250	ug/L	08/18/10	19:12	
60345-1SD	Cu	257.35595	257.30178	257.41012	0.02976	ug/L	08/18/10	19:12	
60345-1SD	Fe	1033.47167	1034.56457	1032.37866	0.14956	ug/L	08/18/10	19:12	
60345-1SD	2Fe	1.03355	1.03464	1.03246	0.14959	mg/L	08/18/10	19:12	
60345-1SD	K	6205.07324	6205.02587	6205.12060	0.00107	ug/L	08/18/10	19:12	
60345-1SD	Mg	10986.29296	11011.28906	10961.29785	0.32175	ug/L	08/18/10	19:12	
60345-1SD	2Mg	10.98324	11.00823	10.95826	0.32175	mg/L	08/18/10	19:12	
60345-1SD	Mn	520.50463	521.29241	519.71691	0.21403	ug/L	08/18/10	19:12	
60345-1SD	Mo	504.02508	501.41860	506.63153	0.73133	ug/L	08/18/10	19:12	
60345-1SD	Na	14507.80078	14500.80859	14514.79199	0.06815	ug/L	08/18/10	19:12	
60345-1SD	Ni	501.69049	502.14093	501.24002	0.12697	ug/L	08/18/10	19:12	
60345-1SD	Pb	507.47711	511.38879	503.56539	1.09009	ug/L	08/18/10	19:12	
60345-1SD	Se	2048.39379	2056.06811	2040.71948	0.52983	ug/L	08/18/10	19:12	
60345-1SD	Sb	511.15283	510.80947	511.49618	0.09499	ug/L	08/18/10	19:12	
60345-1SD	Sn	1045.17651	1047.44641	1042.90673	0.30712	ug/L	08/18/10	19:12	
60345-1SD	Sr	1116.34594	1115.45629	1117.23559	0.11270	ug/L	08/18/10	19:12	
60345-1SD	Ti	709.45410	710.55133	708.35687	0.21871	ug/L	08/18/10	19:12	
60345-1SD	Tl	2093.63183	2107.89672	2079.36718	0.96356	ug/L	08/18/10	19:12	
60345-1SD	V	523.41888	523.95343	522.88433	0.14442	ug/L	08/18/10	19:12	
60345-1SD	Zn	522.27282	524.04187	520.50384	0.47901	ug/L	08/18/10	19:12	
60345-1SD	2203/1	510.24774	511.89215	508.60336	0.45576	ug/L	08/18/10	19:12	
60345-1SD	2203/2	506.09384	511.13748	501.05020	1.40937	ug/L	08/18/10	19:12	
60345-1SD	1960/1	2070.20703	2083.42797	2056.98608	0.90315	ug/L	08/18/10	19:12	
60345-1SD	1960/2	2037.50280	2042.40795	2032.59765	0.34046	ug/L	08/18/10	19:12	
60345-1SD	Y	965.26599	961.31695	969.21496	0.57856		08/18/10	19:12	
60345-3	Ag	0.41431	0.62325	0.20536	71.32065	ug/L	08/18/10	19:17	
60345-3	Al	-5.93895	-5.10613	-6.77177	19.83156	ug/L	08/18/10	19:17	
60345-3	2Al	-0.00593	-0.00510	-0.00677	19.83157	mg/L	08/18/10	19:17	
60345-3	As	4.42261	4.58835	4.25688	5.29974	ug/L	08/18/10	19:17	
60345-3	B	-1.53357	-0.90303	-2.16410	58.14632	ug/L	08/18/10	19:17	
60345-3	Ba	138.44868	138.55824	138.33912	0.11191	ug/L	08/18/10	19:17	
60345-3	Be	0.05715	0.03314	0.08115	59.40731	ug/L	08/18/10	19:17	
60345-3	Ca	33282.16406	33336.12500	33228.19921	0.22929	ug/L	08/18/10	19:17	
60345-3	Cd	-0.22571	-0.38836	-0.06307	101.90418	ug/L	08/18/10	19:17	
60345-3	Co	0.82343	0.72699	0.91987	16.56310	ug/L	08/18/10	19:17	
60345-3	Cr	0.22901	0.00260	0.45542	139.81236	ug/L	08/18/10	19:17	
60345-3	Cu	5.71957	5.40642	6.03273	7.74305	ug/L	08/18/10	19:17	
60345-3	Fe	7.30226	-0.63044	15.23496	153.63107	ug/L	08/18/10	19:17	
60345-3	2Fe	0.00730	-0.00063	0.01523	153.62443	mg/L	08/18/10	19:17	
60345-3	K	772.54345	773.52294	771.56390	0.17931	ug/L	08/18/10	19:17	
60345-3	Mg	5584.72656	5594.18798	5575.26562	0.23958	ug/L	08/18/10	19:17	
60345-3	2Mg	5.58314	5.59260	5.57369	0.23961	mg/L	08/18/10	19:17	
60345-3	Mn	1.32810	1.29093	1.36527	3.95806	ug/L	08/18/10	19:17	
60345-3	Mo	-0.70914	0.19695	-1.61523	180.69886	ug/L	08/18/10	19:17	
60345-3	Na	9255.00390	9245.81542	9264.19238	0.14040	ug/L	08/18/10	19:17	
60345-3	Ni	0.44097	0.80126	0.08069	115.54339	ug/L	08/18/10	19:17	
60345-3	Pb	0.26050	0.19255	0.32844	36.88559	ug/L	08/18/10	19:17	
60345-3	Se	1.45180	1.28362	1.61998	16.38262	ug/L	08/18/10	19:17	
60345-3	Sb	-0.56016	1.70960	-2.82994	573.03009	ug/L	08/18/10	19:17	
60345-3	Sn	2.02446	2.02466	2.02425	0.01444	ug/L	08/18/10	19:17	
60345-3	Sr	591.49035	592.27203	590.70867	0.18689	ug/L	08/18/10	19:17	
60345-3	Ti	0.39813	0.37089	0.42537	9.67522	ug/L	08/18/10	19:17	
60345-3	Tl	5.08669	6.66809	3.50529	43.96649	ug/L	08/18/10	19:17	
60345-3	V	0.71328	0.78357	0.64299	13.93545	ug/L	08/18/10	19:17	
60345-3	Zn	5.87386	5.73516	6.01256	3.33931	ug/L	08/18/10	19:17	
60345-3	2203/1	-1.75119	-2.35860	-1.14378	49.05244	ug/L	08/18/10	19:17	
60345-3	2203/2	1.26484	1.46622	1.06345	22.51661	ug/L	08/18/10	19:17	
60345-3	1960/1	-0.63223	3.06237	-4.32683	826.42877	ug/L	08/18/10	19:17	
60345-3	1960/2	2.49225	0.39557	4.58893	118.97446	ug/L	08/18/10	19:17	
60345-3	Y	968.89746	965.96337	971.83160	0.42826		08/18/10	19:17	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60345-5	Ag	0.44409	0.26465	0.62353	57.14381	ug/L	08/18/10	19:22	
60345-5	Al	6.63762	10.61436	2.66087	84.72864	ug/L	08/18/10	19:22	
60345-5	2Al	0.00663	0.01061	0.00266	84.72840	mg/L	08/18/10	19:22	
60345-5	As	2.76080	1.75013	3.77147	51.77115	ug/L	08/18/10	19:22	
60345-5	B	-3.39674	-3.80017	-2.99330	16.79674	ug/L	08/18/10	19:22	
60345-5	Ba	62.78572	62.69082	62.88062	0.21375	ug/L	08/18/10	19:22	
60345-5	Be	0.05571	0.05861	0.05281	7.36089	ug/L	08/18/10	19:22	
60345-5	Ca	21584.29296	21550.17382	21618.41210	0.22355	ug/L	08/18/10	19:22	
60345-5	Cd	0.02807	0.20177	-0.14563	875.14129	ug/L	08/18/10	19:22	
60345-5	Co	0.38804	0.21103	0.56506	64.51187	ug/L	08/18/10	19:22	
60345-5	Cr	-0.59815	-0.28283	-0.91346	74.55020	ug/L	08/18/10	19:22	
60345-5	Cu	17.69083	17.73161	17.65005	0.32599	ug/L	08/18/10	19:22	
60345-5	Fe	-3.81658	-10.27001	2.63684	239.12797	ug/L	08/18/10	19:22	
60345-5	2Fe	-0.00381	-0.01026	0.00263	239.14122	mg/L	08/18/10	19:22	
60345-5	K	580.33239	584.17095	576.49389	0.93541	ug/L	08/18/10	19:22	
60345-5	Mg	4012.81640	4005.94848	4019.68457	0.24204	ug/L	08/18/10	19:22	
60345-5	2Mg	4.01168	4.00481	4.01854	0.24200	mg/L	08/18/10	19:22	
60345-5	Mn	0.25919	0.23296	0.28542	14.31328	ug/L	08/18/10	19:22	
60345-5	Mo	-1.02953	-0.53244	-1.52662	68.28209	ug/L	08/18/10	19:22	
60345-5	Na	6187.26513	6183.98730	6190.54296	0.07492	ug/L	08/18/10	19:22	
60345-5	Ni	0.51422	0.53107	0.49737	4.63349	ug/L	08/18/10	19:22	
60345-5	Pb	1.34222	2.41909	0.26536	113.46147	ug/L	08/18/10	19:22	
60345-5	Se	-1.24138	-2.26046	-0.22230	116.09608	ug/L	08/18/10	19:22	
60345-5	Sb	-7.26458	-9.49781	-5.03136	43.47461	ug/L	08/18/10	19:22	
60345-5	Sn	-1.52808	-3.07528	0.01911	143.19042	ug/L	08/18/10	19:22	
60345-5	Sr	264.96386	264.43490	265.49279	0.28231	ug/L	08/18/10	19:22	
60345-5	Ti	-0.02122	0.16988	-0.21234	1273.20263	ug/L	08/18/10	19:22	
60345-5	Tl	3.32976	1.24796	5.41157	88.41789	ug/L	08/18/10	19:22	
60345-5	V	0.56373	0.73790	0.38956	43.69293	ug/L	08/18/10	19:22	
60345-5	Zn	5.46401	5.60119	5.32682	3.55076	ug/L	08/18/10	19:22	
60345-5	2203/1	2.28175	2.31033	2.25317	1.77140	ug/L	08/18/10	19:22	
60345-5	2203/2	0.87317	2.47338	-0.72704	259.17593	ug/L	08/18/10	19:22	
60345-5	1960/1	0.35379	-0.10361	0.81119	182.83863	ug/L	08/18/10	19:22	
60345-5	1960/2	-2.03777	-3.33727	-0.73827	90.18495	ug/L	08/18/10	19:22	
60345-5	Y	967.10815	970.56176	963.65460	0.50502		08/18/10	19:22	
60345-7	Ag	0.47430	0.32685	0.62176	43.96557	ug/L	08/18/10	19:27	
60345-7	Al	98.27226	97.78623	98.75830	0.69944	ug/L	08/18/10	19:27	
60345-7	2Al	0.09828	0.09779	0.09876	0.69942	mg/L	08/18/10	19:27	
60345-7	As	0.49780	0.29990	0.69570	56.22006	ug/L	08/18/10	19:27	
60345-7	B	-11.36371	-11.07621	-11.65122	3.57799	ug/L	08/18/10	19:27	
60345-7	Ba	13.02668	12.99102	13.06235	0.38720	ug/L	08/18/10	19:27	
60345-7	Be	0.08334	0.06993	0.09675	22.75055	ug/L	08/18/10	19:27	
60345-7	Ca	6624.34082	6616.08398	6632.59765	0.17627	ug/L	08/18/10	19:27	
60345-7	Cd	-0.22499	-0.19396	-0.25603	19.50559	ug/L	08/18/10	19:27	
60345-7	Co	0.36713	0.60677	0.12748	92.31259	ug/L	08/18/10	19:27	
60345-7	Cr	0.36496	0.27862	0.45130	33.45578	ug/L	08/18/10	19:27	
60345-7	Cu	1.54332	1.86177	1.22487	29.18063	ug/L	08/18/10	19:27	
60345-7	Fe	631.36523	633.20629	629.52410	0.41239	ug/L	08/18/10	19:27	
60345-7	2Fe	0.63128	0.63312	0.62944	0.41239	mg/L	08/18/10	19:27	
60345-7	K	440.47863	433.13864	447.81866	2.35660	ug/L	08/18/10	19:27	
60345-7	Mg	915.93725	915.43493	916.43957	0.07755	ug/L	08/18/10	19:27	
60345-7	2Mg	0.91564	0.91514	0.91614	0.07761	mg/L	08/18/10	19:27	
60345-7	Mn	172.95474	172.90406	173.00541	0.04143	ug/L	08/18/10	19:27	
60345-7	Mo	-1.66288	0.07897	-3.40475	148.13824	ug/L	08/18/10	19:27	
60345-7	Na	1328.33374	1369.94311	1286.72448	4.42994	ug/L	08/18/10	19:27	
60345-7	Ni	1.03054	0.28903	1.77204	101.75678	ug/L	08/18/10	19:27	
60345-7	Pb	1.39902	0.84735	1.95070	55.76605	ug/L	08/18/10	19:27	
60345-7	Se	6.61625	7.92541	5.30710	27.98291	ug/L	08/18/10	19:27	
60345-7	Sb	-1.10458	-1.73808	-0.47108	81.10817	ug/L	08/18/10	19:27	
60345-7	Sn	2.84444	2.45981	3.22906	19.12309	ug/L	08/18/10	19:27	
60345-7	Sr	16.57345	16.54772	16.59918	0.21956	ug/L	08/18/10	19:27	
60345-7	Ti	1.10797	1.09228	1.12365	2.00218	ug/L	08/18/10	19:27	
60345-7	Tl	-0.88860	-2.47192	0.69471	251.98532	ug/L	08/18/10	19:27	
60345-7	V	0.99132	0.71281	1.26983	39.73170	ug/L	08/18/10	19:27	
60345-7	Zn	3.36336	3.24768	3.47904	4.86399	ug/L	08/18/10	19:27	
60345-7	2203/1	3.37872	5.91934	0.83809	106.34146	ug/L	08/18/10	19:27	
60345-7	2203/2	0.41066	-1.68483	2.50616	721.62969	ug/L	08/18/10	19:27	
60345-7	1960/1	6.40260	5.25182	7.55339	25.41868	ug/L	08/18/10	19:27	
60345-7	1960/2	6.72292	9.26020	4.18564	53.37340	ug/L	08/18/10	19:27	
60345-7	Y	981.30249	984.47229	978.13269	0.45681		08/18/10	19:27	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
58368-1	Ag	0.89305	0.62385	1.16226	42.63019	ug/L	08/18/10	19:32	
58368-1	Al	-2.39016	-1.92622	-2.85410	27.45037	ug/L	08/18/10	19:32	
58368-1	2Al	-0.00239	-0.00192	-0.00285	27.45037	mg/L	08/18/10	19:32	
58368-1	As	-6.19709	-4.67412	-7.72006	34.75504	ug/L	08/18/10	19:32	
58368-1	B	52.94300	53.49379	52.39220	1.47128	ug/L	08/18/10	19:32	
58368-1	Ba	38.28316	38.27949	38.28683	0.01356	ug/L	08/18/10	19:32	
58368-1	Be	0.05317	0.05073	0.05560	6.46979	ug/L	08/18/10	19:32	
58368-1	Ca	54118.32812	54077.17968	54159.47265	0.10752	ug/L	08/18/10	19:32	
58368-1	Cd	-0.21970	-0.26052	-0.17888	26.27694	ug/L	08/18/10	19:32	
58368-1	Co	0.42639	0.80240	0.05038	124.71156	ug/L	08/18/10	19:32	
58368-1	Cr	0.37396	0.00359	0.74433	140.06050	ug/L	08/18/10	19:32	
58368-1	Cu	0.95309	0.98646	0.91971	4.95217	ug/L	08/18/10	19:32	
58368-1	Fe	149.18943	136.76789	161.61097	11.77476	ug/L	08/18/10	19:32	
58368-1	2Fe	0.14917	0.13675	0.16159	11.77463	mg/L	08/18/10	19:32	
58368-1	K	8549.12207	8532.46289	8565.78125	0.27557	ug/L	08/18/10	19:32	
58368-1	Mg	37786.78125	37743.65625	37829.90625	0.16140	ug/L	08/18/10	19:32	
58368-1	2Mg	37.77610	37.73298	37.81921	0.16139	mg/L	08/18/10	19:32	
58368-1	Mn	12.90437	12.93538	12.87335	0.33990	ug/L	08/18/10	19:32	
58368-1	Mo	-1.48340	-2.25626	-0.71053	73.68167	ug/L	08/18/10	19:32	
58368-1	Na	193395.28125	193258.03125	193532.54687	0.10037	ug/L	08/18/10	19:32	
58368-1	Ni	-0.30003	-0.61784	0.01778	149.80339	ug/L	08/18/10	19:32	
58368-1	Pb	0.24803	1.96323	-1.46716	977.94256	ug/L	08/18/10	19:32	
58368-1	Se	-4.16203	-7.16833	-1.15574	102.15036	ug/L	08/18/10	19:32	
58368-1	Sb	-3.86273	-4.91131	-2.81415	38.39030	ug/L	08/18/10	19:32	
58368-1	Sn	-0.30292	-1.84433	1.23848	719.62121	ug/L	08/18/10	19:32	
58368-1	Sr	12129.24414	12129.98144	12128.50585	0.00860	ug/L	08/18/10	19:32	
58368-1	Ti	0.03436	0.04540	0.02332	45.43579	ug/L	08/18/10	19:32	
58368-1	Tl	0.91822	1.07232	0.76412	23.73411	ug/L	08/18/10	19:32	
58368-1	V	-0.09285	0.06142	-0.24714	234.97422	ug/L	08/18/10	19:32	
58368-1	Zn	0.26899	0.37570	0.16227	56.10499	ug/L	08/18/10	19:32	
58368-1	2203/1	2.04330	1.64257	2.44404	27.73561	ug/L	08/18/10	19:32	
58368-1	2203/2	-0.64825	2.12332	-3.41983	604.64154	ug/L	08/18/10	19:32	
58368-1	1960/1	-3.23223	-6.26195	-0.20251	132.56060	ug/L	08/18/10	19:32	
58368-1	1960/2	-4.62624	-7.62083	-1.63164	91.54285	ug/L	08/18/10	19:32	
58368-1	Y	963.99133	961.14379	966.83880	0.41774		08/18/10	19:32	
58368-1 1/10	Ag	0.14884	0.14913	0.14854	0.28428	ug/L	08/18/10	19:38	
58368-1 1/10	Al	-13.09651	-14.79957	-11.39346	18.39026	ug/L	08/18/10	19:38	
58368-1 1/10	2Al	-0.01309	-0.01480	-0.01139	18.39027	mg/L	08/18/10	19:38	
58368-1 1/10	As	1.94845	3.20513	0.69177	91.21119	ug/L	08/18/10	19:38	
58368-1 1/10	B	6.77353	6.35647	7.19059	8.70764	ug/L	08/18/10	19:38	
58368-1 1/10	Ba	3.84527	3.89942	3.79111	1.99177	ug/L	08/18/10	19:38	
58368-1 1/10	Be	0.05034	0.04566	0.05503	13.16910	ug/L	08/18/10	19:38	
58368-1 1/10	Ca	5367.97753	5365.55175	5370.40380	0.06391	ug/L	08/18/10	19:38	
58368-1 1/10	Cd	-0.21996	-0.35998	-0.07994	90.02205	ug/L	08/18/10	19:38	
58368-1 1/10	Co	0.42791	0.13365	0.72216	97.24977	ug/L	08/18/10	19:38	
58368-1 1/10	Cr	0.08368	-0.00114	0.16851	143.36463	ug/L	08/18/10	19:38	
58368-1 1/10	Cu	0.88594	0.95590	0.81598	11.16787	ug/L	08/18/10	19:38	
58368-1 1/10	Fe	4.68906	7.05952	2.31860	71.49259	ug/L	08/18/10	19:38	
58368-1 1/10	2Fe	0.00468	0.00705	0.00231	71.48579	mg/L	08/18/10	19:38	
58368-1 1/10	K	657.79321	657.62298	657.96343	0.03659	ug/L	08/18/10	19:38	
58368-1 1/10	Mg	3696.42626	3688.39794	3704.45434	0.30715	ug/L	08/18/10	19:38	
58368-1 1/10	2Mg	3.69538	3.68735	3.70340	0.30716	mg/L	08/18/10	19:38	
58368-1 1/10	Mn	1.31482	1.33002	1.29962	1.63499	ug/L	08/18/10	19:38	
58368-1 1/10	Mo	-2.23813	-2.68423	-1.79203	28.18776	ug/L	08/18/10	19:38	
58368-1 1/10	Na	16628.54882	16541.10156	16715.99609	0.74371	ug/L	08/18/10	19:38	
58368-1 1/10	Ni	0.47846	1.21002	-0.25308	216.22607	ug/L	08/18/10	19:38	
58368-1 1/10	Pb	0.87832	1.17718	0.57946	48.12030	ug/L	08/18/10	19:38	
58368-1 1/10	Se	-0.28278	-0.88145	0.31588	299.39550	ug/L	08/18/10	19:38	
58368-1 1/10	Sb	-6.46440	-7.83346	-5.09534	29.95079	ug/L	08/18/10	19:38	
58368-1 1/10	Sn	1.18891	0.13877	2.23905	124.91436	ug/L	08/18/10	19:38	
58368-1 1/10	Sr	1296.38818	1295.86975	1296.90661	0.05655	ug/L	08/18/10	19:38	
58368-1 1/10	Ti	-0.19627	-0.38271	-0.00983	134.33753	ug/L	08/18/10	19:38	
58368-1 1/10	Tl	-3.49010	0.22250	-7.20271	150.43719	ug/L	08/18/10	19:38	
58368-1 1/10	V	0.18308	-0.33327	0.69944	398.85879	ug/L	08/18/10	19:38	
58368-1 1/10	Zn	-0.05310	-0.05348	-0.05272	1.02149	ug/L	08/18/10	19:38	
58368-1 1/10	2203/1	2.13415	2.26195	2.00634	8.46915	ug/L	08/18/10	19:38	
58368-1 1/10	2203/2	0.25135	0.63561	-0.13290	216.19859	ug/L	08/18/10	19:38	
58368-1 1/10	1960/1	-2.65575	0.06972	-5.38123	145.13426	ug/L	08/18/10	19:38	
58368-1 1/10	1960/2	0.90192	-1.35632	3.16017	354.09381	ug/L	08/18/10	19:38	
58368-1 1/10	Y	980.23950	981.06683	979.41217	0.11936		08/18/10	19:38	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 177472	Ag	0.12969	0.15725	0.10213	30.04873	ug/L	08/18/10	19:44	
PBW 177472	Al	-22.00369	-23.52527	-20.48210	9.77947	ug/L	08/18/10	19:44	
PBW 177472	2Al	-0.02200	-0.02352	-0.02048	9.77947	mg/L	08/18/10	19:44	
PBW 177472	As	-2.59534	-2.17054	-3.02015	23.14772	ug/L	08/18/10	19:44	
PBW 177472	B	-23.31145	-23.11095	-23.51195	1.21635	ug/L	08/18/10	19:44	
PBW 177472	Ba	0.05008	0.05020	0.04996	0.33537	ug/L	08/18/10	19:44	
PBW 177472	Be	0.07193	0.06418	0.07968	15.24146	ug/L	08/18/10	19:44	
PBW 177472	Ca	25.16843	24.16751	26.16936	5.62419	ug/L	08/18/10	19:44	
PBW 177472	Cd	-0.28416	-0.12936	-0.43896	77.04164	ug/L	08/18/10	19:44	
PBW 177472	Co	0.58212	0.14228	1.02195	106.85364	ug/L	08/18/10	19:44	
PBW 177472	Cr	-0.03439	-0.06116	-0.00761	110.09560	ug/L	08/18/10	19:44	
PBW 177472	Cu	0.06387	0.46457	-0.33682	887.12329	ug/L	08/18/10	19:44	
PBW 177472	Fe	-19.03806	-24.40849	-13.66763	39.89340	ug/L	08/18/10	19:44	
PBW 177472	2Fe	-0.01903	-0.02440	-0.01366	39.89482	mg/L	08/18/10	19:44	
PBW 177472	K	7.31663	8.25850	6.37476	18.20518	ug/L	08/18/10	19:44	
PBW 177472	Mg	-0.00252	-0.00328	-0.00176	42.52877	ug/L	08/18/10	19:44	
PBW 177472	2Mg	0.00000	0.00000	0.00000	31.83467	mg/L	08/18/10	19:44	
PBW 177472	Mn	0.10931	0.13392	0.08471	31.83468	ug/L	08/18/10	19:44	
PBW 177472	Mo	-3.21652	-3.78781	-2.64523	25.11795	ug/L	08/18/10	19:44	
PBW 177472	Na	161.85690	215.76922	107.94459	47.10551	ug/L	08/18/10	19:44	
PBW 177472	Ni	0.68315	0.55013	0.81617	27.53709	ug/L	08/18/10	19:44	
PBW 177472	Pb	0.24371	-1.23504	1.72246	858.09741	ug/L	08/18/10	19:44	
PBW 177472	Se	-0.35090	1.57244	-2.27426	775.13726	ug/L	08/18/10	19:44	
PBW 177472	Sb	-6.01519	-6.02891	-6.00146	0.32263	ug/L	08/18/10	19:44	
PBW 177472	Sn	2.90946	3.48771	2.33122	28.10692	ug/L	08/18/10	19:44	
PBW 177472	Sr	0.45359	0.24119	0.66599	66.22132	ug/L	08/18/10	19:44	
PBW 177472	Ti	-0.09356	-0.12096	-0.06616	41.41949	ug/L	08/18/10	19:44	
PBW 177472	Tl	-2.77597	-4.48793	-1.06401	87.21529	ug/L	08/18/10	19:44	
PBW 177472	V	0.12750	0.19471	0.06030	74.53970	ug/L	08/18/10	19:44	
PBW 177472	Zn	0.74485	0.64750	0.84219	18.48301	ug/L	08/18/10	19:44	
PBW 177472	2203/1	0.90275	-0.50603	2.31153	220.69393	ug/L	08/18/10	19:44	
PBW 177472	2203/2	-0.08531	-1.59900	1.42837	2509.10131	ug/L	08/18/10	19:44	
PBW 177472	1960/1	-1.54370	3.95442	-7.04183	503.69348	ug/L	08/18/10	19:44	
PBW 177472	1960/2	0.24459	0.38323	0.10594	80.16262	ug/L	08/18/10	19:44	
PBW 177472	Y	1007.27166	1004.05859	1010.48474	0.45111		08/18/10	19:44	
LCSW-1	Ag	50.65747	50.65432	50.66061	0.00878	ug/L	08/18/10	19:49	
LCSW-1	Al	1993.98046	1992.32995	1995.63098	0.11706	ug/L	08/18/10	19:49	
LCSW-1	2Al	1.99392	1.99227	1.99557	0.11705	mg/L	08/18/10	19:49	
LCSW-1	As	1989.64062	1994.81726	1984.46398	0.36794	ug/L	08/18/10	19:49	
LCSW-1	B	976.01794	972.87921	979.15667	0.45479	ug/L	08/18/10	19:49	
LCSW-1	Ba	2040.15747	2039.07116	2041.24377	0.07530	ug/L	08/18/10	19:49	
LCSW-1	Be	49.34387	49.28963	49.39812	0.15547	ug/L	08/18/10	19:49	
LCSW-1	Ca	5163.56445	5162.26171	5164.86718	0.03567	ug/L	08/18/10	19:49	
LCSW-1	Cd	49.33309	49.18264	49.48354	0.43129	ug/L	08/18/10	19:49	
LCSW-1	Co	504.91979	506.25799	503.58163	0.37480	ug/L	08/18/10	19:49	
LCSW-1	Cr	201.21798	201.02647	201.40948	0.13459	ug/L	08/18/10	19:49	
LCSW-1	Cu	249.44076	249.92750	248.95404	0.27595	ug/L	08/18/10	19:49	
LCSW-1	Fe	1013.78857	1023.37054	1004.20654	1.33666	ug/L	08/18/10	19:49	
LCSW-1	2Fe	1.01387	1.02345	1.00429	1.33646	mg/L	08/18/10	19:49	
LCSW-1	K	5254.37109	5256.33398	5252.40771	0.05283	ug/L	08/18/10	19:49	
LCSW-1	Mg	5139.96777	5140.94140	5138.99365	0.02679	ug/L	08/18/10	19:49	
LCSW-1	2Mg	5.13857	5.13954	5.13760	0.02673	mg/L	08/18/10	19:49	
LCSW-1	Mn	508.55358	507.92892	509.17822	0.17370	ug/L	08/18/10	19:49	
LCSW-1	Mo	490.80148	490.63909	490.96386	0.04678	ug/L	08/18/10	19:49	
LCSW-1	Na	4716.20703	4728.81347	4703.60009	0.37802	ug/L	08/18/10	19:49	
LCSW-1	Ni	501.50894	501.67098	501.34689	0.04569	ug/L	08/18/10	19:49	
LCSW-1	Pb	502.21038	500.85815	503.56259	0.38078	ug/L	08/18/10	19:49	
LCSW-1	Se	2020.04064	2018.08178	2021.99951	0.13713	ug/L	08/18/10	19:49	
LCSW-1	Sb	495.94274	494.86068	497.02481	0.30855	ug/L	08/18/10	19:49	
LCSW-1	Sn	1018.15563	1020.19671	1016.11456	0.28350	ug/L	08/18/10	19:49	
LCSW-1	Sr	504.92498	504.99865	504.85131	0.02063	ug/L	08/18/10	19:49	
LCSW-1	Ti	698.12500	697.61138	698.63854	0.10403	ug/L	08/18/10	19:49	
LCSW-1	Tl	2059.66113	2061.67260	2057.64965	0.13811	ug/L	08/18/10	19:49	
LCSW-1	V	516.19470	516.54675	515.84265	0.09645	ug/L	08/18/10	19:49	
LCSW-1	Zn	511.47851	510.59365	512.36340	0.24466	ug/L	08/18/10	19:49	
LCSW-1	2203/1	508.85421	507.95788	509.75054	0.24910	ug/L	08/18/10	19:49	
LCSW-1	2203/2	498.89343	497.31359	500.47326	0.44783	ug/L	08/18/10	19:49	
LCSW-1	1960/1	2057.63378	2063.49560	2051.77221	0.40287	ug/L	08/18/10	19:49	
LCSW-1	1960/2	2001.27160	1995.40832	2007.13488	0.41433	ug/L	08/18/10	19:49	
LCSW-1	Y	990.77819	991.99511	989.56127	0.17370		08/18/10	19:49	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1 (RL)	Ag	14.73124	14.78876	14.67372	0.55221	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Al	261.82861	260.93054	262.72668	0.48507	ug/L	08/18/10	19:55	
LCSW-1 (RL)	2Al	0.26185	0.26095	0.26275	0.48507	mg/L	08/18/10	19:55	
LCSW-1 (RL)	As	25.53590	29.66695	21.40485	22.87833	ug/L	08/18/10	19:55	
LCSW-1 (RL)	B	109.04219	109.65238	108.43199	0.79139	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Ba	14.09535	13.97170	14.21901	1.24065	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Be	5.35944	5.38298	5.33590	0.62115	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Ca	711.46582	711.21295	711.71875	0.05026	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Cd	6.02718	6.17245	5.88191	3.40859	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Co	7.38903	6.81037	7.96768	11.07506	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Cr	6.47425	6.05188	6.89662	9.22606	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Cu	28.56907	28.38368	28.75445	0.91769	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Fe	65.36116	65.05266	65.66966	0.66749	ug/L	08/18/10	19:55	
LCSW-1 (RL)	2Fe	0.06535	0.06504	0.06566	0.66785	mg/L	08/18/10	19:55	
LCSW-1 (RL)	K	1404.38647	1401.91406	1406.85900	0.24897	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Mg	679.48046	679.04064	679.92028	0.09154	ug/L	08/18/10	19:55	
LCSW-1 (RL)	2Mg	0.67928	0.67884	0.67972	0.09154	mg/L	08/18/10	19:55	
LCSW-1 (RL)	Mn	13.67821	13.54578	13.81063	1.36917	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Mo	14.77854	13.77225	15.78484	9.62959	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Na	1417.57592	1375.00048	1460.15148	4.24745	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Ni	52.85356	52.28945	53.41768	1.50941	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Pb	14.50951	14.89256	14.12646	3.73348	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Se	28.51148	27.14591	29.87706	6.77345	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Sb	21.46161	18.71623	24.20699	18.09068	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Sn	68.47838	66.06346	70.89331	4.98729	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Sr	13.73417	13.59891	13.86944	1.39280	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Ti	13.68204	13.53192	13.83215	1.55162	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Tl	38.30184	40.67095	35.93273	8.74743	ug/L	08/18/10	19:55	
LCSW-1 (RL)	V	14.11438	14.08591	14.14284	0.28521	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Zn	28.48342	28.51541	28.45144	0.15880	ug/L	08/18/10	19:55	
LCSW-1 (RL)	2203/1	13.19018	13.72829	12.65208	5.76939	ug/L	08/18/10	19:55	
LCSW-1 (RL)	2203/2	15.16819	15.47382	14.86255	2.84959	ug/L	08/18/10	19:55	
LCSW-1 (RL)	1960/1	32.57821	32.83729	32.31912	1.12467	ug/L	08/18/10	19:55	
LCSW-1 (RL)	1960/2	26.48116	24.30447	28.65784	11.62446	ug/L	08/18/10	19:55	
LCSW-1 (RL)	Y	980.98986	985.16491	976.81475	0.60188		08/18/10	19:55	
60145-1	Ag	0.87026	0.68683	1.05370	29.80921	ug/L	08/18/10	20:00	
60145-1	Al	22.97202	26.32731	19.61673	20.65597	ug/L	08/18/10	20:00	
60145-1	2Al	0.02297	0.02632	0.01961	20.65591	mg/L	08/18/10	20:00	
60145-1	As	3.88873	3.15125	4.62621	26.81996	ug/L	08/18/10	20:00	
60145-1	B	6.65658	6.99703	6.31614	7.23291	ug/L	08/18/10	20:00	
60145-1	Ba	64.57453	64.64018	64.50890	0.14375	ug/L	08/18/10	20:00	
60145-1	Be	0.02212	0.01651	0.02773	35.86812	ug/L	08/18/10	20:00	
60145-1	Ca	8919.44140	8910.95800	8927.92382	0.13449	ug/L	08/18/10	20:00	
60145-1	Cd	0.04215	0.10432	-0.02001	208.57994	ug/L	08/18/10	20:00	
60145-1	Co	25.31956	25.66675	24.97238	1.93917	ug/L	08/18/10	20:00	
60145-1	Cr	2.45482	2.97971	1.92992	30.23919	ug/L	08/18/10	20:00	
60145-1	Cu	35016.08203	35005.10937	35027.05468	0.04431	ug/L	08/18/10	20:00	
60145-1	Fe	388.16436	388.18371	388.14505	0.00704	ug/L	08/18/10	20:00	
60145-1	2Fe	0.38812	0.38814	0.38810	0.00708	mg/L	08/18/10	20:00	
60145-1	K	4349.60742	4353.08349	4346.13183	0.11301	ug/L	08/18/10	20:00	
60145-1	Mg	3174.72607	3177.57031	3171.88183	0.12669	ug/L	08/18/10	20:00	
60145-1	2Mg	3.17384	3.17669	3.17100	0.12669	mg/L	08/18/10	20:00	
60145-1	Mn	185.71041	185.36303	186.05780	0.26453	ug/L	08/18/10	20:00	
60145-1	Mo	-0.51220	-0.32710	-0.69730	51.10594	ug/L	08/18/10	20:00	
60145-1	Na	22992.33984	23004.13281	22980.54882	0.07253	ug/L	08/18/10	20:00	
60145-1	Ni	4190.25341	4186.92675	4193.58007	0.11227	ug/L	08/18/10	20:00	
60145-1	Pb	4.91139	4.14583	5.67696	22.04417	ug/L	08/18/10	20:00	
60145-1	Se	-2.30355	-1.72040	-2.88669	35.80087	ug/L	08/18/10	20:00	
60145-1	Sb	-1.20909	-3.71920	1.30102	293.59533	ug/L	08/18/10	20:00	
60145-1	Sn	6.34551	5.90754	6.78349	9.76112	ug/L	08/18/10	20:00	
60145-1	Sr	106.49780	106.20108	106.79452	0.39402	ug/L	08/18/10	20:00	
60145-1	Ti	0.73731	0.91693	0.55768	34.45281	ug/L	08/18/10	20:00	
60145-1	Tl	-0.35357	4.42337	-5.13052	1910.66723	ug/L	08/18/10	20:00	
60145-1	V	-1.16747	-0.84377	-1.49118	39.21178	ug/L	08/18/10	20:00	
60145-1	Zn	720.31304	720.75878	719.86730	0.08751	ug/L	08/18/10	20:00	
60145-1	2203/1	6.15883	6.70973	5.60793	12.64989	ug/L	08/18/10	20:00	
60145-1	2203/2	4.28861	2.86580	5.71142	46.91870	ug/L	08/18/10	20:00	
60145-1	1960/1	-4.84940	-6.32274	-3.37606	42.96639	ug/L	08/18/10	20:00	
60145-1	1960/2	-1.03253	0.57731	-2.64237	220.49334	ug/L	08/18/10	20:00	
60145-1	Y	946.98791	946.89654	947.07934	0.01364		08/18/10	20:00	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	490.07586	491.51934	488.63238	0.41654	ug/L	08/18/10	20:05	
CCV	Al	4903.19970	4915.17871	4891.22070	0.34550	ug/L	08/18/10	20:05	
CCV	2Al	4.90338	4.91536	4.89140	0.34553	mg/L	08/18/10	20:05	
CCV	As	494.78283	494.11160	495.45407	0.19185	ug/L	08/18/10	20:05	
CCV	B	4864.30957	4861.64746	4866.97167	0.07739	ug/L	08/18/10	20:05	
CCV	Ba	4949.52343	4954.65820	4944.38818	0.14672	ug/L	08/18/10	20:05	
CCV	Be	489.77111	490.89678	488.64544	0.32503	ug/L	08/18/10	20:05	
CCV	Ca	5095.38671	5105.57617	5085.19677	0.28281	ug/L	08/18/10	20:05	
CCV	Cd	484.75231	486.12014	483.38449	0.39904	ug/L	08/18/10	20:05	
CCV	Co	493.25772	494.58801	491.92742	0.38140	ug/L	08/18/10	20:05	
CCV	Cr	4911.38916	4918.09423	4904.68408	0.19306	ug/L	08/18/10	20:05	
CCV	Cu	4937.83886	4944.76708	4930.91113	0.19841	ug/L	08/18/10	20:05	
CCV	Fe	4904.30957	4912.40771	4896.21093	0.23352	ug/L	08/18/10	20:05	
CCV	2Fe	4.90433	4.91242	4.89623	0.23351	mg/L	08/18/10	20:05	
CCV	K	10052.48632	10068.90429	10036.06835	0.23097	ug/L	08/18/10	20:05	
CCV	Mg	5085.42089	5093.85693	5076.98437	0.23460	ug/L	08/18/10	20:05	
CCV	2Mg	5.08540	5.09383	5.07696	0.23460	mg/L	08/18/10	20:05	
CCV	Mn	4970.72851	4978.71484	4962.74267	0.22721	ug/L	08/18/10	20:05	
CCV	Mo	486.50076	484.77905	488.22247	0.50048	ug/L	08/18/10	20:05	
CCV	Na	7372.09423	7303.67968	7440.50878	1.31241	ug/L	08/18/10	20:05	
CCV	Ni	2464.48999	2465.40454	2463.57543	0.05248	ug/L	08/18/10	20:05	
CCV	Pb	496.95794	498.37542	495.54046	0.40337	ug/L	08/18/10	20:05	
CCV	Se	4905.69531	4917.00097	4894.38964	0.32591	ug/L	08/18/10	20:05	
CCV	Sb	485.39807	486.02346	484.77267	0.18221	ug/L	08/18/10	20:05	
CCV	Sn	5064.39648	5074.63085	5054.16210	0.28579	ug/L	08/18/10	20:05	
CCV	Sr	2444.95312	2448.22070	2441.68530	0.18901	ug/L	08/18/10	20:05	
CCV	Ti	491.36486	491.80618	490.92355	0.12701	ug/L	08/18/10	20:05	
CCV	Tl	4909.62890	4917.98339	4901.27441	0.24065	ug/L	08/18/10	20:05	
CCV	V	5118.52441	5123.14843	5113.90039	0.12775	ug/L	08/18/10	20:05	
CCV	Zn	2491.56250	2497.04125	2486.08398	0.31096	ug/L	08/18/10	20:05	
CCV	2203/1	506.59399	503.78668	509.40130	0.78369	ug/L	08/18/10	20:05	
CCV	2203/2	492.14245	495.66912	488.61578	1.01341	ug/L	08/18/10	20:05	
CCV	1960/1	4988.33300	4983.43359	4993.23242	0.13890	ug/L	08/18/10	20:05	
CCV	1960/2	4864.43847	4883.83447	4845.04248	0.56388	ug/L	08/18/10	20:05	
CCV	Y	995.83349	996.56463	995.10241	0.10382		08/18/10	20:05	
CCB	Ag	0.64874	0.97110	0.32639	70.27088	ug/L	08/18/10	20:10	
CCB	Al	-17.32869	-21.32514	-13.33224	32.61549	ug/L	08/18/10	20:10	
CCB	2Al	-0.01733	-0.02132	-0.01333	32.61542	mg/L	08/18/10	20:10	
CCB	As	2.34298	0.60955	4.07641	104.62879	ug/L	08/18/10	20:10	
CCB	B	22.25057	24.12919	20.37194	11.94027	ug/L	08/18/10	20:10	
CCB	Ba	0.85277	0.10119	1.60435	124.63872	ug/L	08/18/10	20:10	
CCB	Be	0.15673	0.08546	0.22801	64.31133	ug/L	08/18/10	20:10	
CCB	Ca	5.08302	3.96698	6.19906	31.05080	ug/L	08/18/10	20:10	
CCB	Cd	0.06395	-0.11477	0.24268	395.20870	ug/L	08/18/10	20:10	
CCB	Co	0.10478	-0.20152	0.41108	413.41427	ug/L	08/18/10	20:10	
CCB	Cr	0.84064	0.10823	1.57304	123.21255	ug/L	08/18/10	20:10	
CCB	Cu	1.39336	0.72965	2.05707	67.36401	ug/L	08/18/10	20:10	
CCB	Fe	-19.03402	-16.65281	-21.41522	17.69216	ug/L	08/18/10	20:10	
CCB	2Fe	-0.01903	-0.01665	-0.02141	17.69098	mg/L	08/18/10	20:10	
CCB	K	4.46966	3.19757	5.74174	40.24908	ug/L	08/18/10	20:10	
CCB	Mg	0.00276	-0.00287	0.00841	288.40219	ug/L	08/18/10	20:10	
CCB	2Mg	0.00000	0.00000	0.00001	140.19764	mg/L	08/18/10	20:10	
CCB	Mn	0.81055	0.00701	1.61409	140.19764	ug/L	08/18/10	20:10	
CCB	Mo	0.51522	1.75072	-0.72026	339.12268	ug/L	08/18/10	20:10	
CCB	Na	82.41555	109.57663	55.25446	46.60719	ug/L	08/18/10	20:10	
CCB	Ni	-0.07529	-0.88594	0.73536	1522.65625	ug/L	08/18/10	20:10	
CCB	Pb	-0.22341	1.01497	-1.46179	783.91101	ug/L	08/18/10	20:10	
CCB	Se	1.91854	-0.83037	4.66745	202.63052	ug/L	08/18/10	20:10	
CCB	Sb	-2.72233	-2.12940	-3.31525	30.80175	ug/L	08/18/10	20:10	
CCB	Sn	1.90383	1.14469	2.66296	56.39017	ug/L	08/18/10	20:10	
CCB	Sr	0.45243	0.03764	0.86722	129.65388	ug/L	08/18/10	20:10	
CCB	Ti	0.20220	0.18955	0.21484	8.84217	ug/L	08/18/10	20:10	
CCB	Tl	3.00002	1.32891	4.67113	78.77609	ug/L	08/18/10	20:10	
CCB	V	0.85786	0.06669	1.64902	130.42579	ug/L	08/18/10	20:10	
CCB	Zn	0.56726	-0.15884	1.29338	181.02279	ug/L	08/18/10	20:10	
CCB	2203/1	0.30644	-0.35309	0.96598	304.37173	ug/L	08/18/10	20:10	
CCB	2203/2	-0.48794	1.69798	-2.67386	633.55334	ug/L	08/18/10	20:10	
CCB	1960/1	3.90407	5.15130	2.65683	45.17987	ug/L	08/18/10	20:10	
CCB	1960/2	0.92726	-3.81672	5.67125	723.52770	ug/L	08/18/10	20:10	
CCB	Y	986.20874	990.51367	981.90374	0.61732		08/18/10	20:10	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60345-1	Ag	0.65193	0.38565	0.91822	57.76399	ug/L	08/18/10	20:15	
60345-1	Al	-12.35978	-10.16638	-14.55319	25.09706	ug/L	08/18/10	20:15	
60345-1	2Al	-0.01236	-0.01016	-0.01455	25.09722	mg/L	08/18/10	20:15	
60345-1	As	-0.16466	1.16062	-1.48995	1138.20507	ug/L	08/18/10	20:15	
60345-1	B	-7.46656	-6.49280	-8.44031	18.44354	ug/L	08/18/10	20:15	
60345-1	Ba	136.30534	136.33230	136.27838	0.02797	ug/L	08/18/10	20:15	
60345-1	Be	0.08830	0.08037	0.09622	12.68572	ug/L	08/18/10	20:15	
60345-1	Ca	33167.75000	33183.01953	33152.47656	0.06511	ug/L	08/18/10	20:15	
60345-1	Cd	-0.38871	-0.43556	-0.34185	17.04718	ug/L	08/18/10	20:15	
60345-1	Co	0.17823	-0.05453	0.41099	184.68945	ug/L	08/18/10	20:15	
60345-1	Cr	0.25169	0.44690	0.05649	109.67706	ug/L	08/18/10	20:15	
60345-1	Cu	7.89034	7.84471	7.93596	0.81777	ug/L	08/18/10	20:15	
60345-1	Fe	-7.91925	-19.81652	3.97802	212.46057	ug/L	08/18/10	20:15	
60345-1	2Fe	-0.00791	-0.01981	0.00397	212.46562	mg/L	08/18/10	20:15	
60345-1	K	760.93786	756.33154	765.54418	0.85609	ug/L	08/18/10	20:15	
60345-1	Mg	5583.73095	5593.12158	5574.34033	0.23784	ug/L	08/18/10	20:15	
60345-1	2Mg	5.58215	5.59154	5.57276	0.23788	mg/L	08/18/10	20:15	
60345-1	Mn	0.37554	0.34903	0.40204	9.98209	ug/L	08/18/10	20:15	
60345-1	Mo	-0.40699	-0.36569	-0.44828	14.35014	ug/L	08/18/10	20:15	
60345-1	Na	9198.75976	9220.80761	9176.71191	0.33896	ug/L	08/18/10	20:15	
60345-1	Ni	-0.31752	-0.19136	-0.44367	56.18877	ug/L	08/18/10	20:15	
60345-1	Pb	0.60685	0.91273	0.30097	71.28237	ug/L	08/18/10	20:15	
60345-1	Se	5.03048	8.02039	2.04057	84.05491	ug/L	08/18/10	20:15	
60345-1	Sb	-5.51242	-7.45326	-3.57157	49.79233	ug/L	08/18/10	20:15	
60345-1	Sn	1.50369	1.89117	1.11620	36.44265	ug/L	08/18/10	20:15	
60345-1	Sr	576.26452	577.50872	575.02026	0.30534	ug/L	08/18/10	20:15	
60345-1	Ti	-0.06694	-0.13110	-0.00278	135.53991	ug/L	08/18/10	20:15	
60345-1	Tl	0.92077	0.97471	0.86683	8.28456	ug/L	08/18/10	20:15	
60345-1	V	0.57679	0.23555	0.91803	83.66644	ug/L	08/18/10	20:15	
60345-1	Zn	6.57660	6.44839	6.70482	2.75717	ug/L	08/18/10	20:15	
60345-1	2203/1	-0.33051	-0.17543	-0.48559	66.35628	ug/L	08/18/10	20:15	
60345-1	2203/2	1.07483	1.45600	0.69367	50.15192	ug/L	08/18/10	20:15	
60345-1	1960/1	7.08504	13.03820	1.13188	118.82823	ug/L	08/18/10	20:15	
60345-1	1960/2	4.00469	5.51515	2.49424	53.34011	ug/L	08/18/10	20:15	
60345-1	Y	980.69165	984.21252	977.17071	0.50773		08/18/10	20:15	
60345-1S	Ag	53.58240	53.17532	53.98948	1.07442	ug/L	08/18/10	20:21	
60345-1S	Al	2094.10302	2087.88256	2100.32373	0.42009	ug/L	08/18/10	20:21	
60345-1S	2Al	2.09417	2.08783	2.10051	0.42826	mg/L	08/18/10	20:21	
60345-1S	As	2084.98193	2077.90551	2092.05810	0.47997	ug/L	08/18/10	20:21	
60345-1S	B	1029.79296	1025.64978	1033.93615	0.56898	ug/L	08/18/10	20:21	
60345-1S	Ba	2243.01123	2236.35009	2249.67260	0.41999	ug/L	08/18/10	20:21	
60345-1S	Be	51.48587	51.37538	51.59635	0.30347	ug/L	08/18/10	20:21	
60345-1S	Ca	39770.07812	39703.73828	39836.41796	0.23590	ug/L	08/18/10	20:21	
60345-1S	Cd	51.19054	51.19053	51.19055	0.00003	ug/L	08/18/10	20:21	
60345-1S	Co	522.75000	521.58093	523.91900	0.31626	ug/L	08/18/10	20:21	
60345-1S	Cr	208.18003	207.83645	208.52362	0.23340	ug/L	08/18/10	20:21	
60345-1S	Cu	264.21087	262.85354	265.56820	0.72652	ug/L	08/18/10	20:21	
60345-1S	Fe	1165.13305	1148.42443	1181.84167	2.02805	ug/L	08/18/10	20:21	
60345-1S	2Fe	1.16520	1.14849	1.18191	2.02772	mg/L	08/18/10	20:21	
60345-1S	K	6478.04101	6465.76660	6490.31494	0.26795	ug/L	08/18/10	20:21	
60345-1S	Mg	11231.45605	11207.16113	11255.75097	0.30591	ug/L	08/18/10	20:21	
60345-1S	2Mg	11.22832	11.20403	11.25261	0.30588	mg/L	08/18/10	20:21	
60345-1S	Mn	529.77075	528.15820	531.38330	0.43046	ug/L	08/18/10	20:21	
60345-1S	Mo	508.44866	503.46115	513.43621	1.38724	ug/L	08/18/10	20:21	
60345-1S	Na	14936.33593	14980.65234	14892.02050	0.41959	ug/L	08/18/10	20:21	
60345-1S	Ni	516.00354	515.73779	516.26928	0.07283	ug/L	08/18/10	20:21	
60345-1S	Pb	519.92858	520.31829	519.53887	0.10600	ug/L	08/18/10	20:21	
60345-1S	Se	2105.35595	2097.28173	2113.42993	0.54235	ug/L	08/18/10	20:21	
60345-1S	Sb	519.95367	515.39672	524.51062	1.23943	ug/L	08/18/10	20:21	
60345-1S	Sn	1070.17163	1065.76013	1074.58325	0.58298	ug/L	08/18/10	20:21	
60345-1S	Sr	1113.44458	1110.93933	1115.94970	0.31819	ug/L	08/18/10	20:21	
60345-1S	Ti	724.36016	721.92114	726.79919	0.47618	ug/L	08/18/10	20:21	
60345-1S	Tl	2128.85742	2119.40869	2138.30615	0.62768	ug/L	08/18/10	20:21	
60345-1S	V	538.35906	536.92266	539.79547	0.37732	ug/L	08/18/10	20:21	
60345-1S	Zn	538.44775	536.46832	540.42724	0.51989	ug/L	08/18/10	20:21	
60345-1S	2203/1	529.64538	527.88500	531.40570	0.47003	ug/L	08/18/10	20:21	
60345-1S	2203/2	515.07751	516.54058	513.61437	0.40171	ug/L	08/18/10	20:21	
60345-1S	1960/1	2146.61743	2142.16284	2151.07202	0.29347	ug/L	08/18/10	20:21	
60345-1S	1960/2	2084.75537	2074.87426	2094.63647	0.67029	ug/L	08/18/10	20:21	
60345-1S	Y	969.47949	972.00476	966.95428	0.36836		08/18/10	20:21	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60345-1SD	Ag	52.27645	51.89688	52.65600	1.02680	ug/L	08/18/10	20:26	
60345-1SD	Al	2077.81689	2073.18969	2082.44433	0.31494	ug/L	08/18/10	20:26	
60345-1SD	2Al	2.07800	2.07337	2.08263	0.31494	mg/L	08/18/10	20:26	
60345-1SD	As	2077.94873	2078.23535	2077.66210	0.01950	ug/L	08/18/10	20:26	
60345-1SD	B	1022.48950	1016.93615	1028.04284	0.76808	ug/L	08/18/10	20:26	
60345-1SD	Ba	2229.72460	2225.44458	2234.00439	0.27145	ug/L	08/18/10	20:26	
60345-1SD	Be	51.29604	51.17005	51.42203	0.34734	ug/L	08/18/10	20:26	
60345-1SD	Ca	39628.28906	39535.63281	39720.94140	0.33065	ug/L	08/18/10	20:26	
60345-1SD	Cd	51.11980	51.38026	50.85935	0.72053	ug/L	08/18/10	20:26	
60345-1SD	Co	520.29174	518.68560	521.89794	0.43657	ug/L	08/18/10	20:26	
60345-1SD	Cr	207.72918	207.55854	207.89984	0.11617	ug/L	08/18/10	20:26	
60345-1SD	Cu	262.75213	262.68466	262.81964	0.03632	ug/L	08/18/10	20:26	
60345-1SD	Fe	1041.20727	1031.23718	1051.17724	1.35417	ug/L	08/18/10	20:26	
60345-1SD	2Fe	1.04129	1.03132	1.05126	1.35395	mg/L	08/18/10	20:26	
60345-1SD	K	6377.19335	6379.39599	6374.99121	0.04884	ug/L	08/18/10	20:26	
60345-1SD	Mg	11184.92382	11159.40234	11210.44628	0.32269	ug/L	08/18/10	20:26	
60345-1SD	2Mg	11.18182	11.15631	11.20734	0.32268	mg/L	08/18/10	20:26	
60345-1SD	Mn	528.02923	527.10681	528.95166	0.24705	ug/L	08/18/10	20:26	
60345-1SD	Mo	510.80261	511.08828	510.51696	0.07908	ug/L	08/18/10	20:26	
60345-1SD	Na	14737.29882	14739.58496	14735.01367	0.02193	ug/L	08/18/10	20:26	
60345-1SD	Ni	512.29101	514.22039	510.36166	0.53261	ug/L	08/18/10	20:26	
60345-1SD	Pb	519.91064	518.49737	521.32397	0.38443	ug/L	08/18/10	20:26	
60345-1SD	Se	2071.42333	2066.80688	2076.04003	0.31518	ug/L	08/18/10	20:26	
60345-1SD	Sb	519.13281	518.88867	519.37689	0.06650	ug/L	08/18/10	20:26	
60345-1SD	Sn	1067.30468	1064.16870	1070.44055	0.41552	ug/L	08/18/10	20:26	
60345-1SD	Sr	1104.59301	1102.84179	1106.34436	0.22421	ug/L	08/18/10	20:26	
60345-1SD	Ti	722.10760	720.75781	723.45739	0.26435	ug/L	08/18/10	20:26	
60345-1SD	Tl	2127.90917	2136.22875	2119.58935	0.55292	ug/L	08/18/10	20:26	
60345-1SD	V	537.05212	536.85235	537.25183	0.05259	ug/L	08/18/10	20:26	
60345-1SD	Zn	538.01013	537.76507	538.25524	0.06442	ug/L	08/18/10	20:26	
60345-1SD	2203/1	527.14294	525.33447	528.95141	0.48517	ug/L	08/18/10	20:26	
60345-1SD	2203/2	516.29992	515.08392	517.51599	0.33308	ug/L	08/18/10	20:26	
60345-1SD	1960/1	2124.15942	2121.40551	2126.91333	0.18334	ug/L	08/18/10	20:26	
60345-1SD	1960/2	2045.09411	2039.54760	2050.64062	0.38354	ug/L	08/18/10	20:26	
60345-1SD	Y	971.58154	977.02642	966.13659	0.79255		08/18/10	20:26	
60345-3	Ag	0.50428	0.68030	0.32826	49.36246	ug/L	08/18/10	20:31	
60345-3	Al	-20.33291	-17.82023	-22.84559	17.47641	ug/L	08/18/10	20:31	
60345-3	2Al	-0.02033	-0.01782	-0.02284	17.47635	mg/L	08/18/10	20:31	
60345-3	As	3.54570	2.49305	4.59835	41.98509	ug/L	08/18/10	20:31	
60345-3	B	-8.64787	-7.96428	-9.33146	11.17895	ug/L	08/18/10	20:31	
60345-3	Ba	139.42706	139.64443	139.20967	0.22049	ug/L	08/18/10	20:31	
60345-3	Be	0.12516	0.12122	0.12911	4.45828	ug/L	08/18/10	20:31	
60345-3	Ca	33665.65234	33787.95312	33543.35156	0.51375	ug/L	08/18/10	20:31	
60345-3	Cd	-0.12839	-0.37786	0.12108	274.79373	ug/L	08/18/10	20:31	
60345-3	Co	0.56934	0.60779	0.53089	9.55144	ug/L	08/18/10	20:31	
60345-3	Cr	0.44492	0.44850	0.44134	1.13799	ug/L	08/18/10	20:31	
60345-3	Cu	6.19355	6.30234	6.08477	2.48389	ug/L	08/18/10	20:31	
60345-3	Fe	-2.59239	-11.95484	6.77005	510.74386	ug/L	08/18/10	20:31	
60345-3	2Fe	-0.00259	-0.01195	0.00676	510.78778	mg/L	08/18/10	20:31	
60345-3	K	772.12170	779.17926	765.06414	1.29265	ug/L	08/18/10	20:31	
60345-3	Mg	5686.38818	5699.88671	5672.88964	0.33571	ug/L	08/18/10	20:31	
60345-3	2Mg	5.68478	5.69828	5.67128	0.33575	mg/L	08/18/10	20:31	
60345-3	Mn	0.24876	0.15290	0.34462	54.49365	ug/L	08/18/10	20:31	
60345-3	Mo	0.03058	-0.00639	0.06756	171.00038	ug/L	08/18/10	20:31	
60345-3	Na	9385.43164	9408.34765	9362.51464	0.34530	ug/L	08/18/10	20:31	
60345-3	Ni	0.66344	0.68400	0.64287	4.38361	ug/L	08/18/10	20:31	
60345-3	Pb	0.60256	-0.73040	1.93552	312.84835	ug/L	08/18/10	20:31	
60345-3	Se	0.52864	-0.80773	1.86502	357.50637	ug/L	08/18/10	20:31	
60345-3	Sb	-0.85653	-0.16198	-1.55109	114.67673	ug/L	08/18/10	20:31	
60345-3	Sn	2.60854	4.34429	0.87280	94.10250	ug/L	08/18/10	20:31	
60345-3	Sr	587.44537	588.17736	586.71337	0.17622	ug/L	08/18/10	20:31	
60345-3	Ti	0.45816	0.43176	0.48455	8.14698	ug/L	08/18/10	20:31	
60345-3	Tl	1.75524	-1.16974	4.68024	235.66795	ug/L	08/18/10	20:31	
60345-3	V	0.52109	0.72734	0.31485	55.97287	ug/L	08/18/10	20:31	
60345-3	Zn	4.88542	5.01654	4.75430	3.79567	ug/L	08/18/10	20:31	
60345-3	2203/1	-0.30688	-1.05345	0.43967	344.03094	ug/L	08/18/10	20:31	
60345-3	2203/2	1.05660	-0.56912	2.68233	217.59628	ug/L	08/18/10	20:31	
60345-3	1960/1	-2.55954	-1.34358	-3.77550	67.18485	ug/L	08/18/10	20:31	
60345-3	1960/2	2.07042	-0.54021	4.68105	178.32119	ug/L	08/18/10	20:31	
60345-3	Y	987.12255	981.81713	992.42803	0.76009		08/18/10	20:31	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60345-5	Ag	0.70890	0.50333	0.91447	41.00893	ug/L	08/18/10	20:36	
60345-5	Al	-24.02675	-22.07372	-25.97978	11.49554	ug/L	08/18/10	20:36	
60345-5	2Al	-0.02402	-0.02207	-0.02598	11.49554	mg/L	08/18/10	20:36	
60345-5	As	5.12629	3.84456	6.40801	35.35955	ug/L	08/18/10	20:36	
60345-5	B	-9.60561	-9.32173	-9.88949	4.17949	ug/L	08/18/10	20:36	
60345-5	Ba	62.14247	62.02257	62.26235	0.27284	ug/L	08/18/10	20:36	
60345-5	Be	0.09282	0.08252	0.10313	15.69425	ug/L	08/18/10	20:36	
60345-5	Ca	21631.17187	21652.84375	21609.50195	0.14168	ug/L	08/18/10	20:36	
60345-5	Cd	-0.01795	-0.09674	0.06084	620.75787	ug/L	08/18/10	20:36	
60345-5	Co	0.99849	1.03793	0.95905	5.58594	ug/L	08/18/10	20:36	
60345-5	Cr	0.24947	0.27724	0.22170	15.74245	ug/L	08/18/10	20:36	
60345-5	Cu	14.17893	14.42573	13.93214	2.46152	ug/L	08/18/10	20:36	
60345-5	Fe	-0.99021	-8.87604	6.89562	1126.24853	ug/L	08/18/10	20:36	
60345-5	2Fe	-0.00098	-0.00887	0.00689	1126.64892	mg/L	08/18/10	20:36	
60345-5	K	579.75469	568.23657	591.27282	2.80965	ug/L	08/18/10	20:36	
60345-5	Mg	4041.33105	4042.15283	4040.50952	0.02875	ug/L	08/18/10	20:36	
60345-5	2Mg	4.04019	4.04101	4.03936	0.02880	mg/L	08/18/10	20:36	
60345-5	Mn	0.11288	0.11275	0.11302	0.16497	ug/L	08/18/10	20:36	
60345-5	Mo	0.16479	0.43060	-0.10102	228.11737	ug/L	08/18/10	20:36	
60345-5	Na	6084.96289	5863.93310	6305.99267	5.13698	ug/L	08/18/10	20:36	
60345-5	Ni	0.30570	0.98055	-0.36914	312.19348	ug/L	08/18/10	20:36	
60345-5	Pb	0.70869	0.84017	0.57721	26.23723	ug/L	08/18/10	20:36	
60345-5	Se	-1.56624	-1.99404	-1.13844	38.62740	ug/L	08/18/10	20:36	
60345-5	Sb	-0.68560	0.16511	-1.53632	175.47993	ug/L	08/18/10	20:36	
60345-5	Sn	1.69619	-0.94423	4.33661	220.14772	ug/L	08/18/10	20:36	
60345-5	Sr	260.35260	261.41693	259.28826	0.57813	ug/L	08/18/10	20:36	
60345-5	Ti	-0.00953	-0.03568	0.01661	387.89053	ug/L	08/18/10	20:36	
60345-5	Tl	-0.31816	-3.34732	2.71099	1346.44079	ug/L	08/18/10	20:36	
60345-5	V	0.29566	-0.01107	0.60239	146.71726	ug/L	08/18/10	20:36	
60345-5	Zn	2.62260	2.31252	2.93267	16.72050	ug/L	08/18/10	20:36	
60345-5	2203/1	-0.03060	-0.27602	0.21481	1133.94531	ug/L	08/18/10	20:36	
60345-5	2203/2	1.07787	1.39761	0.75813	41.95087	ug/L	08/18/10	20:36	
60345-5	1960/1	-3.05656	-1.54240	-4.57073	70.05722	ug/L	08/18/10	20:36	
60345-5	1960/2	-0.82220	-2.21952	0.57512	240.34361	ug/L	08/18/10	20:36	
60345-5	Y	986.47326	986.86767	986.07879	0.05654		08/18/10	20:36	
60345-7	Ag	0.62159	0.44444	0.79873	40.30281	ug/L	08/18/10	20:41	
60345-7	Al	-18.42254	-17.64069	-19.20439	6.00191	ug/L	08/18/10	20:41	
60345-7	2Al	-0.01842	-0.01764	-0.01920	6.00191	mg/L	08/18/10	20:41	
60345-7	As	0.97081	2.39810	-0.45647	207.91658	ug/L	08/18/10	20:41	
60345-7	B	-15.72806	-15.19405	-16.26208	4.80168	ug/L	08/18/10	20:41	
60345-7	Ba	10.19237	10.20784	10.17689	0.21471	ug/L	08/18/10	20:41	
60345-7	Be	0.07312	0.07971	0.06652	12.76102	ug/L	08/18/10	20:41	
60345-7	Ca	6533.65869	6530.37109	6536.94628	0.07116	ug/L	08/18/10	20:41	
60345-7	Cd	-0.24009	-0.09917	-0.38101	83.00534	ug/L	08/18/10	20:41	
60345-7	Co	0.95801	0.99635	0.91966	5.66108	ug/L	08/18/10	20:41	
60345-7	Cr	0.19504	0.44730	-0.05721	182.90632	ug/L	08/18/10	20:41	
60345-7	Cu	1.36265	1.52233	1.20296	16.57249	ug/L	08/18/10	20:41	
60345-7	Fe	10.15138	6.93946	13.36330	44.74604	ug/L	08/18/10	20:41	
60345-7	2Fe	0.01015	0.00693	0.01336	44.74481	mg/L	08/18/10	20:41	
60345-7	K	427.72302	421.93118	433.51483	1.91499	ug/L	08/18/10	20:41	
60345-7	Mg	904.18872	905.18621	903.19128	0.15601	ug/L	08/18/10	20:41	
60345-7	2Mg	0.90393	0.90492	0.90293	0.15610	mg/L	08/18/10	20:41	
60345-7	Mn	0.43642	0.50929	0.36355	23.61382	ug/L	08/18/10	20:41	
60345-7	Mo	-1.16621	-1.25572	-1.07670	10.85429	ug/L	08/18/10	20:41	
60345-7	Na	1372.83569	1297.48254	1448.18872	7.76242	ug/L	08/18/10	20:41	
60345-7	Ni	0.01801	0.01992	0.01610	15.00092	ug/L	08/18/10	20:41	
60345-7	Pb	0.18340	0.19611	0.17069	9.79864	ug/L	08/18/10	20:41	
60345-7	Se	0.36620	0.16798	0.56441	76.54841	ug/L	08/18/10	20:41	
60345-7	Sb	-4.33208	-6.03885	-2.62530	55.71780	ug/L	08/18/10	20:41	
60345-7	Sn	3.43055	2.93843	3.92268	20.28732	ug/L	08/18/10	20:41	
60345-7	Sr	15.90530	15.91802	15.89258	0.11310	ug/L	08/18/10	20:41	
60345-7	Ti	-0.02622	0.00109	-0.05353	147.32923	ug/L	08/18/10	20:41	
60345-7	Tl	-0.42405	-2.30704	1.45894	627.98144	ug/L	08/18/10	20:41	
60345-7	V	-0.17078	-0.30635	-0.03520	112.26886	ug/L	08/18/10	20:41	
60345-7	Zn	5.32591	5.52404	5.12778	5.26102	ug/L	08/18/10	20:41	
60345-7	2203/1	0.51211	0.80835	0.21587	81.80673	ug/L	08/18/10	20:41	
60345-7	2203/2	0.01929	-0.10955	0.14813	944.44885	ug/L	08/18/10	20:41	
60345-7	1960/1	1.89290	-3.44967	7.23549	399.15093	ug/L	08/18/10	20:41	
60345-7	1960/2	-0.39600	1.97410	-2.76611	846.41101	ug/L	08/18/10	20:41	
60345-7	Y	981.87487	983.45257	980.29718	0.22723		08/18/10	20:41	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60345-7L	Ag	0.15421	0.27101	0.03741	107.10688	ug/L	08/18/10	20:47	
60345-7L	Al	-25.21418	-27.93236	-22.49601	15.24568	ug/L	08/18/10	20:47	
60345-7L	2Al	-0.02521	-0.02793	-0.02249	15.24572	mg/L	08/18/10	20:47	
60345-7L	As	-1.38224	3.69696	-6.46145	519.66882	ug/L	08/18/10	20:47	
60345-7L	B	-4.43194	-5.31459	-3.54929	28.16504	ug/L	08/18/10	20:47	
60345-7L	Ba	2.10937	2.16929	2.04945	4.01707	ug/L	08/18/10	20:47	
60345-7L	Be	0.09451	0.12195	0.06707	41.05373	ug/L	08/18/10	20:47	
60345-7L	Ca	1310.97338	1313.34619	1308.60058	0.25596	ug/L	08/18/10	20:47	
60345-7L	Cd	-0.33999	-0.52602	-0.15396	77.37931	ug/L	08/18/10	20:47	
60345-7L	Co	0.44954	0.60679	0.29228	49.47138	ug/L	08/18/10	20:47	
60345-7L	Cr	-0.28216	0.16144	-0.72576	222.33854	ug/L	08/18/10	20:47	
60345-7L	Cu	0.53410	0.89075	0.17745	94.43472	ug/L	08/18/10	20:47	
60345-7L	Fe	-11.23526	-16.70498	-5.76554	68.84883	ug/L	08/18/10	20:47	
60345-7L	2Fe	-0.01123	-0.01670	-0.00576	68.84855	mg/L	08/18/10	20:47	
60345-7L	K	77.23680	70.77839	83.69519	11.82539	ug/L	08/18/10	20:47	
60345-7L	Mg	176.37487	178.55029	174.19946	1.74429	ug/L	08/18/10	20:47	
60345-7L	2Mg	0.17632	0.17850	0.17415	1.74507	mg/L	08/18/10	20:47	
60345-7L	Mn	0.24770	0.31191	0.18348	36.66184	ug/L	08/18/10	20:47	
60345-7L	Mo	-2.22611	-1.08123	-3.37099	72.73232	ug/L	08/18/10	20:47	
60345-7L	Na	235.06076	234.75979	235.36172	0.18107	ug/L	08/18/10	20:47	
60345-7L	Ni	-0.70251	-0.47615	-0.92887	45.56825	ug/L	08/18/10	20:47	
60345-7L	Pb	0.46511	0.39735	0.53288	20.60475	ug/L	08/18/10	20:47	
60345-7L	Se	-0.50668	-5.12651	4.11314	1289.45312	ug/L	08/18/10	20:47	
60345-7L	Sb	-3.40157	-2.65084	-4.15230	31.21163	ug/L	08/18/10	20:47	
60345-7L	Sn	1.90825	3.70189	0.11460	132.92778	ug/L	08/18/10	20:47	
60345-7L	Sr	3.28652	3.36444	3.20860	3.35316	ug/L	08/18/10	20:47	
60345-7L	Ti	0.09581	0.01733	0.17429	115.82962	ug/L	08/18/10	20:47	
60345-7L	Tl	2.64415	7.67680	-2.38849	269.16870	ug/L	08/18/10	20:47	
60345-7L	V	-0.02018	0.42211	-0.46248	3099.21118	ug/L	08/18/10	20:47	
60345-7L	Zn	8.05171	7.78586	8.31757	4.66954	ug/L	08/18/10	20:47	
60345-7L	2203/1	1.57776	-0.04569	3.20123	145.51741	ug/L	08/18/10	20:47	
60345-7L	2203/2	-0.09037	0.61854	-0.79928	1109.36926	ug/L	08/18/10	20:47	
60345-7L	1960/1	-1.90960	-6.95194	3.13274	373.42602	ug/L	08/18/10	20:47	
60345-7L	1960/2	0.19372	-4.21516	4.60261	3218.50732	ug/L	08/18/10	20:47	
60345-7L	Y	995.78540	997.14184	994.42901	0.19263		08/18/10	20:47	
60345-7A	Ag	41.94570	41.88385	42.00756	0.20853	ug/L	08/18/10	20:52	
60345-7A	Al	1967.62158	1969.56933	1965.67370	0.13999	ug/L	08/18/10	20:52	
60345-7A	2Al	1.96780	1.96974	1.96585	0.13999	mg/L	08/18/10	20:52	
60345-7A	As	1964.55908	1972.05798	1957.06018	0.53981	ug/L	08/18/10	20:52	
60345-7A	B	965.24035	967.98632	962.49438	0.40232	ug/L	08/18/10	20:52	
60345-7A	Ba	2001.43994	2004.71850	1998.16149	0.23165	ug/L	08/18/10	20:52	
60345-7A	Be	48.60433	48.71237	48.49628	0.31436	ug/L	08/18/10	20:52	
60345-7A	Ca	11598.93847	11625.77246	11572.10449	0.32717	ug/L	08/18/10	20:52	
60345-7A	Cd	48.11594	48.18387	48.04801	0.19966	ug/L	08/18/10	20:52	
60345-7A	Co	498.75469	499.23941	498.26998	0.13743	ug/L	08/18/10	20:52	
60345-7A	Cr	197.16925	197.79675	196.54173	0.45008	ug/L	08/18/10	20:52	
60345-7A	Cu	244.47334	244.69946	244.24722	0.13080	ug/L	08/18/10	20:52	
60345-7A	Fe	984.82592	990.05865	979.59313	0.75142	ug/L	08/18/10	20:52	
60345-7A	2Fe	0.98491	0.99014	0.97967	0.75130	mg/L	08/18/10	20:52	
60345-7A	K	5800.81933	5801.83398	5799.80468	0.02473	ug/L	08/18/10	20:52	
60345-7A	Mg	6118.01220	6137.84521	6098.17919	0.45845	ug/L	08/18/10	20:52	
60345-7A	2Mg	6.11634	6.13616	6.09651	0.45844	mg/L	08/18/10	20:52	
60345-7A	Mn	502.86938	504.37927	501.35952	0.42461	ug/L	08/18/10	20:52	
60345-7A	Mo	476.80899	473.70584	479.91213	0.92039	ug/L	08/18/10	20:52	
60345-7A	Na	6220.68652	6242.47314	6198.90039	0.49529	ug/L	08/18/10	20:52	
60345-7A	Ni	492.15216	491.87338	492.43090	0.08010	ug/L	08/18/10	20:52	
60345-7A	Pb	494.98587	497.10412	492.86761	0.60520	ug/L	08/18/10	20:52	
60345-7A	Se	1972.42773	1976.15405	1968.70129	0.26717	ug/L	08/18/10	20:52	
60345-7A	Sb	472.85876	470.89636	474.82116	0.58691	ug/L	08/18/10	20:52	
60345-7A	Sn	1029.45410	1032.90441	1026.00366	0.47399	ug/L	08/18/10	20:52	
60345-7A	Sr	512.76745	513.92413	511.61083	0.31900	ug/L	08/18/10	20:52	
60345-7A	Ti	991.51849	993.65258	989.38439	0.30438	ug/L	08/18/10	20:52	
60345-7A	Tl	2023.81909	2022.01770	2025.62036	0.12587	ug/L	08/18/10	20:52	
60345-7A	V	510.52783	511.53808	509.51757	0.27985	ug/L	08/18/10	20:52	
60345-7A	Zn	511.20410	512.81701	509.59118	0.44620	ug/L	08/18/10	20:52	
60345-7A	2203/1	503.60491	504.48236	502.72747	0.24640	ug/L	08/18/10	20:52	
60345-7A	2203/2	490.68280	493.42053	487.94506	0.78905	ug/L	08/18/10	20:52	
60345-7A	1960/1	2018.58984	2030.04760	2007.13195	0.80272	ug/L	08/18/10	20:52	
60345-7A	1960/2	1949.38073	1949.24719	1949.51428	0.00968	ug/L	08/18/10	20:52	
60345-7A	Y	987.32940	985.30920	989.34960	0.28936		08/18/10	20:52	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60244-1 1/10	Ag	0.56304	0.86021	0.26587	74.64133	ug/L	08/18/10	20:57	
60244-1 1/10	Al	-5.77300	-3.78962	-7.75639	48.58704	ug/L	08/18/10	20:57	
60244-1 1/10	2Al	-0.00577	-0.00378	-0.00775	48.58705	mg/L	08/18/10	20:57	
60244-1 1/10	As	0.73778	-0.43498	1.91055	224.80039	ug/L	08/18/10	20:57	
60244-1 1/10	B	32.44941	33.81869	31.08013	5.96760	ug/L	08/18/10	20:57	
60244-1 1/10	Ba	2.37291	2.27252	2.47330	5.98311	ug/L	08/18/10	20:57	
60244-1 1/10	Be	0.12113	0.12580	0.11647	5.44450	ug/L	08/18/10	20:57	
60244-1 1/10	Ca	6702.00292	6724.37597	6679.62988	0.47210	ug/L	08/18/10	20:57	
60244-1 1/10	Cd	0.06221	0.06229	0.06213	0.18810	ug/L	08/18/10	20:57	
60244-1 1/10	Co	0.70393	0.56543	0.84243	27.82561	ug/L	08/18/10	20:57	
60244-1 1/10	Cr	0.90626	0.56759	1.24494	52.84971	ug/L	08/18/10	20:57	
60244-1 1/10	Cu	9.34030	8.71958	9.96102	9.39834	ug/L	08/18/10	20:57	
60244-1 1/10	Fe	200.77612	198.60520	202.94705	1.52913	ug/L	08/18/10	20:57	
60244-1 1/10	2Fe	0.20075	0.19858	0.20292	1.52915	mg/L	08/18/10	20:57	
60244-1 1/10	K	38495.70703	38640.73828	38350.67578	0.53280	ug/L	08/18/10	20:57	
60244-1 1/10	Mg	2257.05908	2264.12646	2249.99169	0.44282	ug/L	08/18/10	20:57	
60244-1 1/10	2Mg	2.25643	2.26349	2.24936	0.44286	mg/L	08/18/10	20:57	
60244-1 1/10	Mn	99.07403	99.58026	98.56780	0.72260	ug/L	08/18/10	20:57	
60244-1 1/10	Mo	-0.53609	-0.80498	-0.26720	70.93315	ug/L	08/18/10	20:57	
60244-1 1/10	Na	52476.64062	52655.14843	52298.12890	0.48107	ug/L	08/18/10	20:57	
60244-1 1/10	Ni	0.31420	-0.50350	1.13191	368.04458	ug/L	08/18/10	20:57	
60244-1 1/10	Pb	-0.22863	-0.74213	0.28485	317.61611	ug/L	08/18/10	20:57	
60244-1 1/10	Se	-0.65790	-3.03156	1.71575	510.23849	ug/L	08/18/10	20:57	
60244-1 1/10	Sb	0.54077	-0.55528	1.63683	286.63726	ug/L	08/18/10	20:57	
60244-1 1/10	Sn	4.14493	5.41114	2.87872	43.20198	ug/L	08/18/10	20:57	
60244-1 1/10	Sr	20.15773	20.26449	20.05097	0.74898	ug/L	08/18/10	20:57	
60244-1 1/10	Ti	0.80455	0.83197	0.77714	4.81880	ug/L	08/18/10	20:57	
60244-1 1/10	Tl	0.01426	0.54789	-0.51937	5291.95507	ug/L	08/18/10	20:57	
60244-1 1/10	V	0.33936	0.54464	0.13408	85.54344	ug/L	08/18/10	20:57	
60244-1 1/10	Zn	16.36542	16.64126	16.08957	2.38371	ug/L	08/18/10	20:57	
60244-1 1/10	2203/1	-0.29332	-0.48931	-0.09733	94.49332	ug/L	08/18/10	20:57	
60244-1 1/10	2203/2	-0.19634	-0.86835	0.47566	484.03121	ug/L	08/18/10	20:57	
60244-1 1/10	1960/1	-1.20465	-0.79281	-1.61650	48.34876	ug/L	08/18/10	20:57	
60244-1 1/10	1960/2	-0.38493	-4.14925	3.37939	1382.98364	ug/L	08/18/10	20:57	
60244-1 1/10	Y	974.63586	973.71710	975.55456	0.13330		08/18/10	20:57	
60349-1 1/10	Ag	0.47400	0.50333	0.44467	8.75191	ug/L	08/18/10	21:02	
60349-1 1/10	Al	-21.02973	-22.29533	-19.76414	8.51091	ug/L	08/18/10	21:02	
60349-1 1/10	2Al	-0.02103	-0.02229	-0.01976	8.51091	mg/L	08/18/10	21:02	
60349-1 1/10	As	1.22112	1.62211	0.82013	46.43928	ug/L	08/18/10	21:02	
60349-1 1/10	B	-0.78505	0.41647	-1.98658	216.44491	ug/L	08/18/10	21:02	
60349-1 1/10	Ba	0.06986	0.03822	0.10149	64.04568	ug/L	08/18/10	21:02	
60349-1 1/10	Be	0.08725	0.09189	0.08260	7.52878	ug/L	08/18/10	21:02	
60349-1 1/10	Ca	26.01572	25.65805	26.37339	1.94428	ug/L	08/18/10	21:02	
60349-1 1/10	Cd	-0.23654	-0.45471	-0.01837	130.43382	ug/L	08/18/10	21:02	
60349-1 1/10	Co	0.07872	-0.25274	0.41019	595.46716	ug/L	08/18/10	21:02	
60349-1 1/10	Cr	-0.17014	-0.11416	-0.22613	46.53565	ug/L	08/18/10	21:02	
60349-1 1/10	Cu	0.55990	0.31283	0.80696	62.40431	ug/L	08/18/10	21:02	
60349-1 1/10	Fe	-7.24114	-19.80671	5.32442	245.40863	ug/L	08/18/10	21:02	
60349-1 1/10	2Fe	-0.00724	-0.01980	0.00532	245.41120	mg/L	08/18/10	21:02	
60349-1 1/10	K	-0.72915	-8.08828	6.62997	1427.32226	ug/L	08/18/10	21:02	
60349-1 1/10	Mg	-0.00029	-0.00281	0.00222	1206.78137	ug/L	08/18/10	21:02	
60349-1 1/10	2Mg	0.00000	0.00000	0.00000	44.26727	mg/L	08/18/10	21:02	
60349-1 1/10	Mn	0.12972	0.08912	0.17033	44.26727	ug/L	08/18/10	21:02	
60349-1 1/10	Mo	-1.87772	-1.87818	-1.87725	0.03503	ug/L	08/18/10	21:02	
60349-1 1/10	Na	47.17342	0.94786	93.39897	138.57972	ug/L	08/18/10	21:02	
60349-1 1/10	Ni	-0.43570	-0.66153	-0.20988	73.29803	ug/L	08/18/10	21:02	
60349-1 1/10	Pb	2.70790	2.27908	3.13672	22.39512	ug/L	08/18/10	21:02	
60349-1 1/10	Se	-1.85347	-1.63711	-2.06983	16.50838	ug/L	08/18/10	21:02	
60349-1 1/10	Sb	-2.94777	-1.62367	-4.27188	63.52467	ug/L	08/18/10	21:02	
60349-1 1/10	Sn	1.06567	1.06587	1.06547	0.02628	ug/L	08/18/10	21:02	
60349-1 1/10	Sr	0.19048	0.18373	0.19723	5.00973	ug/L	08/18/10	21:02	
60349-1 1/10	Ti	0.00331	0.02955	-0.02291	1118.25048	ug/L	08/18/10	21:02	
60349-1 1/10	Tl	1.10917	1.88018	0.33816	98.30486	ug/L	08/18/10	21:02	
60349-1 1/10	V	-0.17442	-0.27656	-0.07227	82.81793	ug/L	08/18/10	21:02	
60349-1 1/10	Zn	4745.27929	4763.47998	4727.07812	0.54243	ug/L	08/18/10	21:02	
60349-1 1/10	2203/1	0.34363	1.37728	-0.69002	425.39852	ug/L	08/18/10	21:02	
60349-1 1/10	2203/2	3.88827	2.72931	5.04722	42.15276	ug/L	08/18/10	21:02	
60349-1 1/10	1960/1	-6.71902	-6.50920	-6.92885	4.41630	ug/L	08/18/10	21:02	
60349-1 1/10	1960/2	0.57565	0.79527	0.35603	53.95512	ug/L	08/18/10	21:02	
60349-1 1/10	Y	986.31457	985.45355	987.17553	0.12345		08/18/10	21:02	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	495.82507	496.09591	495.55419	0.07725	ug/L	08/18/10	21:09	
CCV	Al	4985.50000	4981.12597	4989.87353	0.12406	ug/L	08/18/10	21:09	
CCV	2Al	4.98580	4.98130	4.99029	0.12747	mg/L	08/18/10	21:09	
CCV	As	496.00866	492.89071	499.12661	0.88898	ug/L	08/18/10	21:09	
CCV	B	4907.24755	4897.53515	4916.95996	0.27990	ug/L	08/18/10	21:09	
CCV	Ba	4983.81738	4982.36083	4985.27441	0.04133	ug/L	08/18/10	21:09	
CCV	Be	491.94976	491.55303	492.34649	0.11404	ug/L	08/18/10	21:09	
CCV	Ca	5139.50390	5135.58007	5143.42773	0.10797	ug/L	08/18/10	21:09	
CCV	Cd	485.77169	487.36907	484.17431	0.46504	ug/L	08/18/10	21:09	
CCV	Co	497.28836	497.22305	497.35366	0.01857	ug/L	08/18/10	21:09	
CCV	Cr	4944.17871	4935.79589	4952.56152	0.23977	ug/L	08/18/10	21:09	
CCV	Cu	4971.68457	4967.60888	4975.76025	0.11593	ug/L	08/18/10	21:09	
CCV	Fe	4950.63769	4945.00390	4956.27148	0.16093	ug/L	08/18/10	21:09	
CCV	2Fe	4.95066	4.94502	4.95629	0.16092	mg/L	08/18/10	21:09	
CCV	K	10229.42968	10228.33203	10230.52636	0.01516	ug/L	08/18/10	21:09	
CCV	Mg	5141.57031	5140.65039	5142.49023	0.02530	ug/L	08/18/10	21:09	
CCV	2Mg	5.14154	5.14062	5.14246	0.02532	mg/L	08/18/10	21:09	
CCV	Mn	5013.17285	5008.18945	5018.15673	0.14058	ug/L	08/18/10	21:09	
CCV	Mo	491.82690	491.47219	492.18164	0.10199	ug/L	08/18/10	21:09	
CCV	Na	7378.39794	7349.06591	7407.72998	0.56220	ug/L	08/18/10	21:09	
CCV	Ni	2478.95385	2476.66821	2481.23950	0.13039	ug/L	08/18/10	21:09	
CCV	Pb	499.08123	499.66412	498.49838	0.16516	ug/L	08/18/10	21:09	
CCV	Se	4917.36621	4923.39306	4911.33935	0.17332	ug/L	08/18/10	21:09	
CCV	Sb	489.47277	489.22973	489.71582	0.07022	ug/L	08/18/10	21:09	
CCV	Sn	5101.13818	5097.05712	5105.21923	0.11314	ug/L	08/18/10	21:09	
CCV	Sr	2447.29223	2446.28027	2448.30419	0.05847	ug/L	08/18/10	21:09	
CCV	Ti	494.76263	493.97927	495.54595	0.22390	ug/L	08/18/10	21:09	
CCV	Tl	4938.89648	4941.10498	4936.68798	0.06323	ug/L	08/18/10	21:09	
CCV	V	5169.31835	5168.11621	5170.52099	0.03289	ug/L	08/18/10	21:09	
CCV	Zn	2510.74755	2510.56347	2510.93139	0.01036	ug/L	08/18/10	21:09	
CCV	2203/1	511.62930	511.81729	511.44131	0.05196	ug/L	08/18/10	21:09	
CCV	2203/2	492.81188	493.59188	492.03189	0.22383	ug/L	08/18/10	21:09	
CCV	1960/1	5046.08154	5056.90820	5035.25488	0.30342	ug/L	08/18/10	21:09	
CCV	1960/2	4853.10546	4856.73583	4849.47460	0.10579	ug/L	08/18/10	21:09	
CCV	Y	975.03991	975.20825	974.87152	0.02442		08/18/10	21:09	
CCB	Ag	0.94764	0.56222	1.33305	57.51691	ug/L	08/18/10	21:14	
CCB	Al	-27.00823	-27.18081	-26.83566	0.90364	ug/L	08/18/10	21:14	
CCB	2Al	-0.02701	-0.02718	-0.02683	0.90361	mg/L	08/18/10	21:14	
CCB	As	3.30934	1.09742	5.52127	94.52409	ug/L	08/18/10	21:14	
CCB	B	15.54509	16.81174	14.27844	11.52332	ug/L	08/18/10	21:14	
CCB	Ba	1.19502	0.38149	2.00854	96.27418	ug/L	08/18/10	21:14	
CCB	Be	0.21654	0.13307	0.30001	54.51016	ug/L	08/18/10	21:14	
CCB	Ca	8.45191	6.96067	9.94315	24.95212	ug/L	08/18/10	21:14	
CCB	Cd	-0.02884	0.02264	-0.08033	252.44868	ug/L	08/18/10	21:14	
CCB	Co	0.62459	0.64606	0.60313	4.85993	ug/L	08/18/10	21:14	
CCB	Cr	0.84646	0.05455	1.63838	132.30642	ug/L	08/18/10	21:14	
CCB	Cu	2.02022	1.08683	2.95361	65.34007	ug/L	08/18/10	21:14	
CCB	Fe	-8.74128	-16.71039	-0.77217	128.92872	ug/L	08/18/10	21:14	
CCB	2Fe	-0.00873	-0.01670	-0.00077	128.93583	mg/L	08/18/10	21:14	
CCB	K	6.12914	-1.16748	13.42577	168.35937	ug/L	08/18/10	21:14	
CCB	Mg	0.00684	-0.00078	0.01446	157.59043	ug/L	08/18/10	21:14	
CCB	2Mg	0.00000	0.00000	0.00001	105.01486	mg/L	08/18/10	21:14	
CCB	Mn	1.11057	0.28589	1.93524	105.01486	ug/L	08/18/10	21:14	
CCB	Mo	-1.25799	-0.45401	-2.06197	90.38169	ug/L	08/18/10	21:14	
CCB	Na	92.16854	55.34402	128.99307	56.50272	ug/L	08/18/10	21:14	
CCB	Ni	0.21919	-0.71882	1.15721	605.20550	ug/L	08/18/10	21:14	
CCB	Pb	0.56273	0.45203	0.67343	27.82007	ug/L	08/18/10	21:14	
CCB	Se	0.06392	-0.04449	0.17234	239.86592	ug/L	08/18/10	21:14	
CCB	Sb	-1.54564	-0.30787	-2.78341	113.25149	ug/L	08/18/10	21:14	
CCB	Sn	6.94146	4.20228	9.68065	55.80655	ug/L	08/18/10	21:14	
CCB	Sr	0.56644	0.14938	0.98349	104.12495	ug/L	08/18/10	21:14	
CCB	Ti	0.34814	0.34813	0.34815	0.00484	ug/L	08/18/10	21:14	
CCB	Tl	3.89647	1.71393	6.07900	79.21453	ug/L	08/18/10	21:14	
CCB	V	1.54967	0.27161	2.82774	116.63455	ug/L	08/18/10	21:14	
CCB	Zn	0.72624	0.35899	1.09349	71.51448	ug/L	08/18/10	21:14	
CCB	2203/1	-1.38152	-3.60906	0.84601	228.02536	ug/L	08/18/10	21:14	
CCB	2203/2	1.53340	2.47953	0.58726	87.25933	ug/L	08/18/10	21:14	
CCB	1960/1	-1.15908	-3.64414	1.32596	303.20413	ug/L	08/18/10	21:14	
CCB	1960/2	0.67451	1.75262	-0.40359	226.04075	ug/L	08/18/10	21:14	
CCB	Y	980.34051	983.45257	977.22845	0.44893		08/18/10	21:14	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60237-3 1/10	Ag	0.35705	0.56234	0.15176	81.31005	ug/L	08/18/10	21:19	
60237-3 1/10	Al	-30.17868	-27.80499	-32.55237	11.12342	ug/L	08/18/10	21:19	
60237-3 1/10	2Al	-0.03018	-0.02780	-0.03255	11.12338	mg/L	08/18/10	21:19	
60237-3 1/10	As	0.08270	1.28333	-1.11791	2052.91845	ug/L	08/18/10	21:19	
60237-3 1/10	B	9.00308	10.35226	7.65390	21.19308	ug/L	08/18/10	21:19	
60237-3 1/10	Ba	4.43653	4.55978	4.31329	3.92858	ug/L	08/18/10	21:19	
60237-3 1/10	Be	0.15537	0.15294	0.15780	2.21424	ug/L	08/18/10	21:19	
60237-3 1/10	Ca	5285.84375	5291.54638	5280.14062	0.15257	ug/L	08/18/10	21:19	
60237-3 1/10	Cd	0.05164	0.20099	-0.09770	408.96514	ug/L	08/18/10	21:19	
60237-3 1/10	Co	0.31272	0.56524	0.06019	114.19770	ug/L	08/18/10	21:19	
60237-3 1/10	Cr	0.33476	0.44889	0.22064	48.21185	ug/L	08/18/10	21:19	
60237-3 1/10	Cu	0.87232	1.10906	0.63559	38.37975	ug/L	08/18/10	21:19	
60237-3 1/10	Fe	2.22534	-2.45236	6.90305	297.26983	ug/L	08/18/10	21:19	
60237-3 1/10	2Fe	0.00222	-0.00245	0.00690	297.23953	mg/L	08/18/10	21:19	
60237-3 1/10	K	763.38598	774.88256	751.88946	2.12979	ug/L	08/18/10	21:19	
60237-3 1/10	Mg	3617.57714	3617.92456	3617.22973	0.01358	ug/L	08/18/10	21:19	
60237-3 1/10	2Mg	3.61655	3.61690	3.61620	0.01361	mg/L	08/18/10	21:19	
60237-3 1/10	Mn	1.73381	1.88729	1.58034	12.51838	ug/L	08/18/10	21:19	
60237-3 1/10	Mo	-1.96677	-1.79105	-2.14250	12.63530	ug/L	08/18/10	21:19	
60237-3 1/10	Na	19887.95312	19975.16015	19800.74414	0.62012	ug/L	08/18/10	21:19	
60237-3 1/10	Ni	-0.57097	-0.43244	-0.70950	34.31113	ug/L	08/18/10	21:19	
60237-3 1/10	Pb	-0.67634	-0.67487	-0.67781	0.30698	ug/L	08/18/10	21:19	
60237-3 1/10	Se	1.43690	3.76258	-0.88877	228.89514	ug/L	08/18/10	21:19	
60237-3 1/10	Sb	-3.92979	-1.68503	-6.17454	80.78208	ug/L	08/18/10	21:19	
60237-3 1/10	Sn	1.30631	1.68659	0.92603	41.16858	ug/L	08/18/10	21:19	
60237-3 1/10	Sr	1320.10449	1320.82666	1319.38232	0.07736	ug/L	08/18/10	21:19	
60237-3 1/10	Ti	0.05841	0.12374	-0.00690	158.14738	ug/L	08/18/10	21:19	
60237-3 1/10	Tl	-2.44883	0.39458	-5.29225	164.20909	ug/L	08/18/10	21:19	
60237-3 1/10	V	0.75630	1.03165	0.48095	51.48726	ug/L	08/18/10	21:19	
60237-3 1/10	Zn	0.77081	0.77491	0.76670	0.75259	ug/L	08/18/10	21:19	
60237-3 1/10	2203/1	-1.14192	-2.11318	-0.17066	120.28522	ug/L	08/18/10	21:19	
60237-3 1/10	2203/2	-0.44390	0.04319	-0.93100	155.18330	ug/L	08/18/10	21:19	
60237-3 1/10	1960/1	3.81430	6.01171	1.61689	81.47251	ug/L	08/18/10	21:19	
60237-3 1/10	1960/2	0.24998	2.63970	-2.13972	1351.88842	ug/L	08/18/10	21:19	
60237-3 1/10	Y	984.97729	981.55743	988.39721	0.49102		08/18/10	21:19	
PBW 177430	Ag	0.38570	0.56240	0.20900	64.78874	ug/L	08/18/10	21:26	
PBW 177430	Al	-27.43907	-28.10581	-26.77232	3.43640	ug/L	08/18/10	21:26	
PBW 177430	2Al	-0.02744	-0.02810	-0.02677	3.43637	mg/L	08/18/10	21:26	
PBW 177430	As	3.31025	2.30622	4.31427	42.89424	ug/L	08/18/10	21:26	
PBW 177430	B	1.52954	1.40889	1.65020	11.15580	ug/L	08/18/10	21:26	
PBW 177430	Ba	0.10836	0.14033	0.07638	41.73126	ug/L	08/18/10	21:26	
PBW 177430	Be	0.11075	0.12025	0.10125	12.13615	ug/L	08/18/10	21:26	
PBW 177430	Ca	41.37553	41.53340	41.21765	0.53962	ug/L	08/18/10	21:26	
PBW 177430	Cd	-0.25908	-0.34067	-0.17748	44.53973	ug/L	08/18/10	21:26	
PBW 177430	Co	0.11658	0.05874	0.17442	70.16199	ug/L	08/18/10	21:26	
PBW 177430	Cr	-0.02962	-0.16982	0.11056	669.19610	ug/L	08/18/10	21:26	
PBW 177430	Cu	0.78422	0.92121	0.64723	24.70414	ug/L	08/18/10	21:26	
PBW 177430	Fe	1.52567	11.83415	-8.78279	955.53491	ug/L	08/18/10	21:26	
PBW 177430	2Fe	0.00152	0.01183	-0.00878	955.49554	mg/L	08/18/10	21:26	
PBW 177430	K	0.07558	8.11956	-7.96839	15050.50683	ug/L	08/18/10	21:26	
PBW 177430	Mg	-4.89856	-4.90464	-4.89249	0.17538	ug/L	08/18/10	21:26	
PBW 177430	2Mg	-0.00489	-0.00490	-0.00488	0.22749	mg/L	08/18/10	21:26	
PBW 177430	Mn	0.02429	0.04084	0.00773	96.37447	ug/L	08/18/10	21:26	
PBW 177430	Mo	-1.61120	-0.89812	-2.32429	62.59016	ug/L	08/18/10	21:26	
PBW 177430	Na	91.61961	109.98925	73.24996	28.35484	ug/L	08/18/10	21:26	
PBW 177430	Ni	-0.69789	-1.04459	-0.35120	70.25402	ug/L	08/18/10	21:26	
PBW 177430	Pb	0.37322	-0.16999	0.91643	205.83683	ug/L	08/18/10	21:26	
PBW 177430	Se	2.86142	0.05289	5.66995	138.80708	ug/L	08/18/10	21:26	
PBW 177430	Sb	-3.48020	0.65400	-7.61442	167.99758	ug/L	08/18/10	21:26	
PBW 177430	Sn	1.44459	3.99708	-1.10789	249.88131	ug/L	08/18/10	21:26	
PBW 177430	Sr	0.16703	0.17779	0.15627	9.11019	ug/L	08/18/10	21:26	
PBW 177430	Ti	-0.15795	-0.18543	-0.13048	24.59934	ug/L	08/18/10	21:26	
PBW 177430	Tl	-2.81179	-1.91979	-3.70380	44.86406	ug/L	08/18/10	21:26	
PBW 177430	V	0.20295	0.06604	0.33986	95.39807	ug/L	08/18/10	21:26	
PBW 177430	Zn	1.91107	1.91459	1.90755	0.26055	ug/L	08/18/10	21:26	
PBW 177430	2203/1	-0.22515	-2.29682	1.84650	1301.20239	ug/L	08/18/10	21:26	
PBW 177430	2203/2	0.67196	0.89182	0.45210	46.27148	ug/L	08/18/10	21:26	
PBW 177430	1960/1	2.20758	1.09877	3.31640	71.03235	ug/L	08/18/10	21:26	
PBW 177430	1960/2	3.18784	-0.46925	6.84495	162.23892	ug/L	08/18/10	21:26	
PBW 177430	Y	982.22119	980.61468	983.82775	0.23131		08/18/10	21:26	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	50.64425	50.48508	50.80343	0.44449	ug/L	08/18/10	21:31	
LCSW-1	Al	1988.49389	1988.92175	1988.06591	0.03043	ug/L	08/18/10	21:31	
LCSW-1	2Al	1.98855	1.98886	1.98824	0.02200	mg/L	08/18/10	21:31	
LCSW-1	As	1981.12817	1987.57348	1974.68286	0.46009	ug/L	08/18/10	21:31	
LCSW-1	B	986.43218	986.46453	986.39984	0.00463	ug/L	08/18/10	21:31	
LCSW-1	Ba	2012.65551	2015.69653	2009.61450	0.21368	ug/L	08/18/10	21:31	
LCSW-1	Be	49.30107	49.40535	49.19678	0.29914	ug/L	08/18/10	21:31	
LCSW-1	Ca	5089.99414	5100.26171	5079.72607	0.28528	ug/L	08/18/10	21:31	
LCSW-1	Cd	49.26775	49.14184	49.39365	0.36140	ug/L	08/18/10	21:31	
LCSW-1	Co	504.30334	504.52886	504.07778	0.06324	ug/L	08/18/10	21:31	
LCSW-1	Cr	200.18559	200.93261	199.43856	0.52773	ug/L	08/18/10	21:31	
LCSW-1	Cu	248.28836	248.42010	248.15661	0.07503	ug/L	08/18/10	21:31	
LCSW-1	Fe	996.42456	1008.19989	984.64916	1.67126	ug/L	08/18/10	21:31	
LCSW-1	2Fe	0.99651	1.00828	0.98473	1.67094	mg/L	08/18/10	21:31	
LCSW-1	K	4993.51562	5002.24121	4984.78955	0.24712	ug/L	08/18/10	21:31	
LCSW-1	Mg	5121.44335	5131.55517	5111.33154	0.27922	ug/L	08/18/10	21:31	
LCSW-1	2Mg	5.12005	5.13016	5.10994	0.27919	mg/L	08/18/10	21:31	
LCSW-1	Mn	507.76391	508.92364	506.60418	0.32300	ug/L	08/18/10	21:31	
LCSW-1	Mo	485.08843	484.22244	485.95443	0.25247	ug/L	08/18/10	21:31	
LCSW-1	Na	4811.34472	4855.22070	4767.46923	1.28965	ug/L	08/18/10	21:31	
LCSW-1	Ni	498.56402	499.66235	497.46572	0.31154	ug/L	08/18/10	21:31	
LCSW-1	Pb	501.94775	504.54092	499.35461	0.73060	ug/L	08/18/10	21:31	
LCSW-1	Se	1990.34448	1994.51074	1986.17834	0.29602	ug/L	08/18/10	21:31	
LCSW-1	Sb	489.82177	487.38937	492.25415	0.70227	ug/L	08/18/10	21:31	
LCSW-1	Sn	1012.72680	1011.59857	1013.85510	0.15755	ug/L	08/18/10	21:31	
LCSW-1	Sr	489.19018	489.73989	488.64050	0.15891	ug/L	08/18/10	21:31	
LCSW-1	Ti	689.93933	691.58148	688.29718	0.33660	ug/L	08/18/10	21:31	
LCSW-1	Tl	2034.21801	2038.56701	2029.86901	0.30234	ug/L	08/18/10	21:31	
LCSW-1	V	515.97229	517.32531	514.61932	0.37083	ug/L	08/18/10	21:31	
LCSW-1	Zn	511.76879	512.22857	511.30899	0.12705	ug/L	08/18/10	21:31	
LCSW-1	2203/1	514.74438	517.42016	512.06860	0.73514	ug/L	08/18/10	21:31	
LCSW-1	2203/2	495.55905	498.11096	493.00714	0.72825	ug/L	08/18/10	21:31	
LCSW-1	1960/1	2051.04760	2059.52075	2042.57434	0.58423	ug/L	08/18/10	21:31	
LCSW-1	1960/2	1960.03796	1962.05395	1958.02197	0.14545	ug/L	08/18/10	21:31	
LCSW-1	Y	988.72436	987.24285	990.20581	0.21190		08/18/10	21:31	
60160-2	Ag	0.92064	0.62199	1.21929	45.87600	ug/L	08/18/10	21:36	
60160-2	Al	352.65280	347.96472	357.34088	1.88002	ug/L	08/18/10	21:36	
60160-2	2Al	0.35268	0.34799	0.35737	1.88001	mg/L	08/18/10	21:36	
60160-2	As	-1.92661	-0.18277	-3.67046	128.00506	ug/L	08/18/10	21:36	
60160-2	B	0.10455	1.02460	-0.81549	1244.45971	ug/L	08/18/10	21:36	
60160-2	Ba	140.74713	140.53628	140.95797	0.21185	ug/L	08/18/10	21:36	
60160-2	Be	0.12016	0.12763	0.11269	8.78677	ug/L	08/18/10	21:36	
60160-2	Ca	45482.98437	45383.95312	45582.01562	0.30792	ug/L	08/18/10	21:36	
60160-2	Cd	-0.17229	-0.07966	-0.26492	76.03167	ug/L	08/18/10	21:36	
60160-2	Co	0.72140	1.07573	0.36707	69.46084	ug/L	08/18/10	21:36	
60160-2	Cr	0.76729	0.45259	1.08199	58.00298	ug/L	08/18/10	21:36	
60160-2	Cu	1.20450	1.13193	1.27708	8.52135	ug/L	08/18/10	21:36	
60160-2	Fe	7.25754	-2.41075	16.92584	188.39772	ug/L	08/18/10	21:36	
60160-2	2Fe	0.00725	-0.00241	0.01692	188.38665	mg/L	08/18/10	21:36	
60160-2	K	10870.43554	10865.08496	10875.78710	0.06961	ug/L	08/18/10	21:36	
60160-2	Mg	3252.59448	3243.41577	3261.77319	0.39908	ug/L	08/18/10	21:36	
60160-2	2Mg	3.25167	3.24250	3.26085	0.39900	mg/L	08/18/10	21:36	
60160-2	Mn	2.28652	2.24673	2.32631	2.46107	ug/L	08/18/10	21:36	
60160-2	Mo	-1.16456	-1.25506	-1.07406	10.99024	ug/L	08/18/10	21:36	
60160-2	Na	8787.51757	8762.91210	8812.12402	0.39599	ug/L	08/18/10	21:36	
60160-2	Ni	-0.24969	-0.79273	0.29333	307.55746	ug/L	08/18/10	21:36	
60160-2	Pb	0.45066	1.76767	-0.86634	413.28781	ug/L	08/18/10	21:36	
60160-2	Se	-0.64669	-2.97077	1.67738	508.23855	ug/L	08/18/10	21:36	
60160-2	Sb	-3.10305	-3.10526	-3.10085	0.10049	ug/L	08/18/10	21:36	
60160-2	Sn	2.02448	5.19824	-1.14927	221.70413	ug/L	08/18/10	21:36	
60160-2	Sr	2027.07971	2026.19165	2027.96777	0.06195	ug/L	08/18/10	21:36	
60160-2	Ti	0.81911	0.95246	0.68577	23.02241	ug/L	08/18/10	21:36	
60160-2	Tl	7.48992	8.64512	6.33471	21.81212	ug/L	08/18/10	21:36	
60160-2	V	1.27376	1.06041	1.48710	23.68719	ug/L	08/18/10	21:36	
60160-2	Zn	4.75046	4.63123	4.86968	3.54937	ug/L	08/18/10	21:36	
60160-2	2203/1	0.25482	1.02565	-0.51600	427.78936	ug/L	08/18/10	21:36	
60160-2	2203/2	0.54843	2.13812	-1.04125	409.92385	ug/L	08/18/10	21:36	
60160-2	1960/1	-0.44662	-6.47014	5.57689	1907.32067	ug/L	08/18/10	21:36	
60160-2	1960/2	-0.74657	-1.22371	-0.26944	90.38199	ug/L	08/18/10	21:36	
60160-2	Y	973.46215	976.20867	970.71569	0.39900		08/18/10	21:36	

0081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60160-2L	Ag	0.50455	0.32515	0.68394	50.28332	ug/L	08/18/10	21:41	
60160-2L	Al	113.02183	110.04959	115.99407	3.71908	ug/L	08/18/10	21:41	
60160-2L	2Al	0.11303	0.11005	0.11600	3.71909	mg/L	08/18/10	21:41	
60160-2L	As	1.98287	7.30467	-3.33892	379.55853	ug/L	08/18/10	21:41	
60160-2L	B	-1.31516	-1.55344	-1.07688	25.62275	ug/L	08/18/10	21:41	
60160-2L	Ba	27.35026	27.46249	27.23802	0.58034	ug/L	08/18/10	21:41	
60160-2L	Be	0.09492	0.08372	0.10611	16.67775	ug/L	08/18/10	21:41	
60160-2L	Ca	8815.60742	8846.23144	8784.98437	0.49126	ug/L	08/18/10	21:41	
60160-2L	Cd	0.03952	0.06053	0.01852	75.15090	ug/L	08/18/10	21:41	
60160-2L	Co	0.86200	1.19410	0.52989	54.48616	ug/L	08/18/10	21:41	
60160-2L	Cr	0.08830	-0.05626	0.23288	231.52101	ug/L	08/18/10	21:41	
60160-2L	Cu	1.60261	1.90405	1.30117	26.60015	ug/L	08/18/10	21:41	
60160-2L	Fe	-7.93657	-4.01019	-11.86295	69.96389	ug/L	08/18/10	21:41	
60160-2L	2Fe	-0.00793	-0.00400	-0.01186	69.96849	mg/L	08/18/10	21:41	
60160-2L	K	2069.48632	2066.19750	2072.77539	0.22475	ug/L	08/18/10	21:41	
60160-2L	Mg	628.45458	631.66278	625.24633	0.72194	ug/L	08/18/10	21:41	
60160-2L	2Mg	0.62827	0.63148	0.62507	0.72179	mg/L	08/18/10	21:41	
60160-2L	Mn	0.89429	0.87929	0.90929	2.37150	ug/L	08/18/10	21:41	
60160-2L	Mo	-0.56525	-2.15338	1.02286	397.33117	ug/L	08/18/10	21:41	
60160-2L	Na	1744.49340	1658.67578	1830.31115	6.95700	ug/L	08/18/10	21:41	
60160-2L	Ni	0.07499	-0.02171	0.17170	182.37306	ug/L	08/18/10	21:41	
60160-2L	Pb	0.92072	0.07077	1.77067	130.55096	ug/L	08/18/10	21:41	
60160-2L	Se	3.26452	2.60501	3.92403	28.57056	ug/L	08/18/10	21:41	
60160-2L	Sb	-3.59371	-5.10319	-2.08423	59.40172	ug/L	08/18/10	21:41	
60160-2L	Sn	2.34150	2.23796	2.44504	6.25370	ug/L	08/18/10	21:41	
60160-2L	Sr	400.70361	403.02224	398.38500	0.81831	ug/L	08/18/10	21:41	
60160-2L	Ti	0.14889	0.06988	0.22790	75.04232	ug/L	08/18/10	21:41	
60160-2L	Tl	4.85855	0.36123	9.35587	130.90650	ug/L	08/18/10	21:41	
60160-2L	V	0.14066	0.20779	0.07353	67.49140	ug/L	08/18/10	21:41	
60160-2L	Zn	0.89178	1.30261	0.48095	65.14984	ug/L	08/18/10	21:41	
60160-2L	2203/1	3.61112	2.75666	4.46559	33.46310	ug/L	08/18/10	21:41	
60160-2L	2203/2	-0.42245	-1.27016	0.42524	283.77465	ug/L	08/18/10	21:41	
60160-2L	1960/1	2.97458	4.16671	1.78246	56.67751	ug/L	08/18/10	21:41	
60160-2L	1960/2	3.40927	1.82532	4.99322	65.70422	ug/L	08/18/10	21:41	
60160-2L	Y	968.55114	975.09277	962.00958	0.95515		08/18/10	21:41	
60160-2A	Ag	42.98811	42.48607	43.49015	1.65160	ug/L	08/18/10	21:46	
60160-2A	Al	2367.28027	2370.09375	2364.46679	0.16807	ug/L	08/18/10	21:46	
60160-2A	2Al	2.36749	2.37031	2.36468	0.16807	mg/L	08/18/10	21:46	
60160-2A	As	1985.27075	1977.77929	1992.76232	0.53366	ug/L	08/18/10	21:46	
60160-2A	B	973.87915	974.56921	973.18902	0.10021	ug/L	08/18/10	21:46	
60160-2A	Ba	2140.16406	2138.83007	2141.49780	0.08814	ug/L	08/18/10	21:46	
60160-2A	Be	49.67584	49.66424	49.68745	0.03303	ug/L	08/18/10	21:46	
60160-2A	Ca	50198.96484	50164.92968	50233.00000	0.09588	ug/L	08/18/10	21:46	
60160-2A	Cd	48.79372	48.93146	48.65598	0.39922	ug/L	08/18/10	21:46	
60160-2A	Co	501.53594	501.43112	501.64077	0.02955	ug/L	08/18/10	21:46	
60160-2A	Cr	198.73516	198.59074	198.87957	0.10276	ug/L	08/18/10	21:46	
60160-2A	Cu	250.98078	251.13410	250.82746	0.08639	ug/L	08/18/10	21:46	
60160-2A	Fe	1025.69140	1039.11547	1012.26745	1.85088	ug/L	08/18/10	21:46	
60160-2A	2Fe	1.02577	1.03919	1.01235	1.85051	mg/L	08/18/10	21:46	
60160-2A	K	16138.68164	16143.11035	16134.25292	0.03880	ug/L	08/18/10	21:46	
60160-2A	Mg	8442.80078	8430.38964	8455.21289	0.20790	ug/L	08/18/10	21:46	
60160-2A	2Mg	8.44047	8.42806	8.45288	0.20794	mg/L	08/18/10	21:46	
60160-2A	Mn	508.63696	508.52874	508.74514	0.03008	ug/L	08/18/10	21:46	
60160-2A	Mo	478.60266	479.03921	478.16610	0.12899	ug/L	08/18/10	21:46	
60160-2A	Na	13665.96679	13756.66210	13575.27148	0.93855	ug/L	08/18/10	21:46	
60160-2A	Ni	495.08026	496.15878	494.00170	0.30808	ug/L	08/18/10	21:46	
60160-2A	Pb	495.64916	496.60867	494.68966	0.27377	ug/L	08/18/10	21:46	
60160-2A	Se	1978.41479	1977.85925	1978.97033	0.03971	ug/L	08/18/10	21:46	
60160-2A	Sb	483.62487	483.89428	483.35543	0.07878	ug/L	08/18/10	21:46	
60160-2A	Sn	1030.85522	1034.29248	1027.41784	0.47155	ug/L	08/18/10	21:46	
60160-2A	Sr	2487.89013	2487.91088	2487.86914	0.00118	ug/L	08/18/10	21:46	
60160-2A	Ti	985.56066	984.67492	986.44635	0.12709	ug/L	08/18/10	21:46	
60160-2A	Tl	2034.75024	2036.84838	2032.65222	0.14582	ug/L	08/18/10	21:46	
60160-2A	V	517.50891	517.39489	517.62298	0.03116	ug/L	08/18/10	21:46	
60160-2A	Zn	513.82543	514.22888	513.42205	0.11103	ug/L	08/18/10	21:46	
60160-2A	2203/1	505.92810	505.33334	506.52288	0.16625	ug/L	08/18/10	21:46	
60160-2A	2203/2	490.51739	492.25286	488.78195	0.50035	ug/L	08/18/10	21:46	
60160-2A	1960/1	2033.49023	2039.44995	2027.53063	0.41447	ug/L	08/18/10	21:46	
60160-2A	1960/2	1950.91772	1947.10937	1954.72595	0.27606	ug/L	08/18/10	21:46	
60160-2A	Y	982.19238	982.21160	982.17309	0.00277		08/18/10	21:46	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60160-2S	Ag	50.86773	51.17598	50.55949	0.85697	ug/L	08/18/10	21:52	
60160-2S	Al	2394.61669	2399.15039	2390.08300	0.26775	ug/L	08/18/10	21:52	
60160-2S	2Al	2.39471	2.39913	2.39030	0.26069	mg/L	08/18/10	21:52	
60160-2S	As	1992.74230	1992.44995	1993.03466	0.02074	ug/L	08/18/10	21:52	
60160-2S	B	1000.85290	1001.17132	1000.53442	0.04499	ug/L	08/18/10	21:52	
60160-2S	Ba	2143.33837	2144.45214	2142.22436	0.07349	ug/L	08/18/10	21:52	
60160-2S	Be	49.71225	49.71801	49.70650	0.01638	ug/L	08/18/10	21:52	
60160-2S	Ca	50561.89843	50531.00000	50592.80078	0.08642	ug/L	08/18/10	21:52	
60160-2S	Cd	48.77989	48.92541	48.63438	0.42187	ug/L	08/18/10	21:52	
60160-2S	Co	501.97686	501.38598	502.56777	0.16647	ug/L	08/18/10	21:52	
60160-2S	Cr	199.53996	198.92332	200.15660	0.43703	ug/L	08/18/10	21:52	
60160-2S	Cu	251.21014	251.44731	250.97296	0.13352	ug/L	08/18/10	21:52	
60160-2S	Fe	1005.29595	1016.43994	994.15197	1.56769	ug/L	08/18/10	21:52	
60160-2S	2Fe	1.00538	1.01652	0.99423	1.56733	mg/L	08/18/10	21:52	
60160-2S	K	16098.38085	16093.60644	16103.15429	0.04193	ug/L	08/18/10	21:52	
60160-2S	Mg	8424.86035	8414.42968	8435.29101	0.17509	ug/L	08/18/10	21:52	
60160-2S	2Mg	8.42253	8.41211	8.43296	0.17511	mg/L	08/18/10	21:52	
60160-2S	Mn	508.91143	508.88973	508.93313	0.00602	ug/L	08/18/10	21:52	
60160-2S	Mo	490.90875	491.05172	490.76574	0.04119	ug/L	08/18/10	21:52	
60160-2S	Na	13789.93554	13953.42187	13626.45019	1.67661	ug/L	08/18/10	21:52	
60160-2S	Ni	497.59222	497.39343	497.79098	0.05649	ug/L	08/18/10	21:52	
60160-2S	Pb	496.25024	495.65127	496.84924	0.17069	ug/L	08/18/10	21:52	
60160-2S	Se	1967.36547	1965.07458	1969.65625	0.16467	ug/L	08/18/10	21:52	
60160-2S	Sb	494.71545	494.10308	495.32778	0.17504	ug/L	08/18/10	21:52	
60160-2S	Sn	1021.73974	1018.38964	1025.08984	0.46369	ug/L	08/18/10	21:52	
60160-2S	Sr	2512.14501	2516.17968	2508.11059	0.22712	ug/L	08/18/10	21:52	
60160-2S	Ti	695.03283	695.01434	695.05126	0.00375	ug/L	08/18/10	21:52	
60160-2S	Tl	2019.61572	2027.78039	2011.45117	0.57171	ug/L	08/18/10	21:52	
60160-2S	V	519.95721	519.36419	520.55023	0.16129	ug/L	08/18/10	21:52	
60160-2S	Zn	511.06994	510.85827	511.28161	0.05857	ug/L	08/18/10	21:52	
60160-2S	2203/1	510.98223	511.01522	510.94921	0.00913	ug/L	08/18/10	21:52	
60160-2S	2203/2	488.89532	487.98080	489.80984	0.26454	ug/L	08/18/10	21:52	
60160-2S	1960/1	2014.42553	2006.65417	2022.19677	0.54557	ug/L	08/18/10	21:52	
60160-2S	1960/2	1943.86987	1944.31518	1943.42468	0.03239	ug/L	08/18/10	21:52	
60160-2S	Y	976.85803	978.35394	975.36212	0.21656		08/18/10	21:52	
60160-2SD	Ag	52.42428	52.44109	52.40747	0.04534	ug/L	08/18/10	21:57	
60160-2SD	Al	2476.26464	2472.91430	2479.61499	0.19134	ug/L	08/18/10	21:57	
60160-2SD	2Al	2.47649	2.47314	2.47984	0.19133	mg/L	08/18/10	21:57	
60160-2SD	As	2050.80297	2038.82617	2062.77978	0.82590	ug/L	08/18/10	21:57	
60160-2SD	B	1028.73046	1026.64794	1030.81311	0.28629	ug/L	08/18/10	21:57	
60160-2SD	Ba	2215.70483	2212.59204	2218.81762	0.19867	ug/L	08/18/10	21:57	
60160-2SD	Be	51.13526	51.11298	51.15755	0.06163	ug/L	08/18/10	21:57	
60160-2SD	Ca	52711.88281	52618.10156	52805.66015	0.25160	ug/L	08/18/10	21:57	
60160-2SD	Cd	50.00569	49.50127	50.51011	1.42656	ug/L	08/18/10	21:57	
60160-2SD	Co	515.54309	514.67736	516.40881	0.23748	ug/L	08/18/10	21:57	
60160-2SD	Cr	205.51319	204.51950	206.50689	0.68380	ug/L	08/18/10	21:57	
60160-2SD	Cu	260.52746	260.03680	261.01812	0.26634	ug/L	08/18/10	21:57	
60160-2SD	Fe	1020.49310	1019.60095	1021.38525	0.12363	ug/L	08/18/10	21:57	
60160-2SD	2Fe	1.02058	1.01968	1.02147	0.12366	mg/L	08/18/10	21:57	
60160-2SD	K	16749.91406	16741.12304	16758.70312	0.07421	ug/L	08/18/10	21:57	
60160-2SD	Mg	8699.42578	8684.48046	8714.37109	0.24295	ug/L	08/18/10	21:57	
60160-2SD	2Mg	8.69703	8.68208	8.71197	0.24296	mg/L	08/18/10	21:57	
60160-2SD	Mn	523.78515	522.59173	524.97857	0.32222	ug/L	08/18/10	21:57	
60160-2SD	Mo	504.81851	504.72409	504.91293	0.02645	ug/L	08/18/10	21:57	
60160-2SD	Na	14425.21093	14380.48046	14469.94238	0.43853	ug/L	08/18/10	21:57	
60160-2SD	Ni	510.54620	510.67660	510.41580	0.03612	ug/L	08/18/10	21:57	
60160-2SD	Pb	511.28540	508.44247	514.12829	0.78634	ug/L	08/18/10	21:57	
60160-2SD	Se	2007.09887	1995.85400	2018.34362	0.79231	ug/L	08/18/10	21:57	
60160-2SD	Sb	513.55322	514.27447	512.83203	0.19860	ug/L	08/18/10	21:57	
60160-2SD	Sn	1049.53515	1044.23803	1054.83227	0.71376	ug/L	08/18/10	21:57	
60160-2SD	Sr	2617.38720	2619.36962	2615.40454	0.10711	ug/L	08/18/10	21:57	
60160-2SD	Ti	713.92443	712.96563	714.88330	0.18993	ug/L	08/18/10	21:57	
60160-2SD	Tl	2071.78417	2072.91210	2070.65649	0.07698	ug/L	08/18/10	21:57	
60160-2SD	V	533.37872	532.46295	534.29449	0.24280	ug/L	08/18/10	21:57	
60160-2SD	Zn	522.71728	522.38616	523.04833	0.08957	ug/L	08/18/10	21:57	
60160-2SD	2203/1	522.09033	520.31958	523.86102	0.47964	ug/L	08/18/10	21:57	
60160-2SD	2203/2	505.89099	502.51281	509.26919	0.94436	ug/L	08/18/10	21:57	
60160-2SD	1960/1	2067.31616	2061.08496	2073.54736	0.42626	ug/L	08/18/10	21:57	
60160-2SD	1960/2	1977.03466	1963.28674	1990.78259	0.98341	ug/L	08/18/10	21:57	
60160-2SD	Y	961.52380	964.55889	958.48864	0.44640		08/18/10	21:57	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60398-2	Ag	0.47463	0.73896	0.21030	78.76003	ug/L	08/18/10	22:02	
60398-2	Al	124.87875	128.43707	121.32043	4.02968	ug/L	08/18/10	22:02	
60398-2	2Al	0.12489	0.12844	0.12133	4.02968	mg/L	08/18/10	22:02	
60398-2	As	3.63298	4.73588	2.53009	42.93231	ug/L	08/18/10	22:02	
60398-2	B	6.25793	6.26694	6.24892	0.20361	ug/L	08/18/10	22:02	
60398-2	Ba	26.93909	26.88085	26.99733	0.30575	ug/L	08/18/10	22:02	
60398-2	Be	0.12463	0.11212	0.13713	14.18592	ug/L	08/18/10	22:02	
60398-2	Ca	7488.95507	7491.06298	7486.84716	0.03980	ug/L	08/18/10	22:02	
60398-2	Cd	0.30391	0.25502	0.35280	22.74954	ug/L	08/18/10	22:02	
60398-2	Co	0.59886	0.38493	0.81279	50.51839	ug/L	08/18/10	22:02	
60398-2	Cr	1.45515	1.90751	1.00279	43.96354	ug/L	08/18/10	22:02	
60398-2	Cu	24.81852	24.25623	25.38081	3.20406	ug/L	08/18/10	22:02	
60398-2	Fe	973.48706	968.94085	978.03332	0.66044	ug/L	08/18/10	22:02	
60398-2	2Fe	0.97336	0.96881	0.97790	0.66045	mg/L	08/18/10	22:02	
60398-2	K	14025.70703	14026.04785	14025.36523	0.00344	ug/L	08/18/10	22:02	
60398-2	Mg	2497.39819	2501.31787	2493.47851	0.22196	ug/L	08/18/10	22:02	
60398-2	2Mg	2.49653	2.50045	2.49261	0.22202	mg/L	08/18/10	22:02	
60398-2	Mn	23.88447	23.97008	23.79885	0.50693	ug/L	08/18/10	22:02	
60398-2	Mo	8.43218	8.63484	8.22952	3.39891	ug/L	08/18/10	22:02	
60398-2	Na	31467.28515	31602.03515	31332.53710	0.60559	ug/L	08/18/10	22:02	
60398-2	Ni	2.68455	3.17531	2.19380	25.85277	ug/L	08/18/10	22:02	
60398-2	Pb	3.43262	2.85692	4.00832	23.71833	ug/L	08/18/10	22:02	
60398-2	Se	2.26451	-0.46548	4.99451	170.49137	ug/L	08/18/10	22:02	
60398-2	Sb	-2.93237	-4.01657	-1.84816	52.28867	ug/L	08/18/10	22:02	
60398-2	Sn	7.50273	6.78182	8.22365	13.58878	ug/L	08/18/10	22:02	
60398-2	Sr	33.32198	33.27507	33.36890	0.19911	ug/L	08/18/10	22:02	
60398-2	Ti	4.49739	4.48127	4.51352	0.50692	ug/L	08/18/10	22:02	
60398-2	Tl	5.53203	2.78642	8.27764	70.18886	ug/L	08/18/10	22:02	
60398-2	V	1.07661	1.42336	0.72987	45.54757	ug/L	08/18/10	22:02	
60398-2	Zn	94.55280	94.69216	94.41343	0.20844	ug/L	08/18/10	22:02	
60398-2	2203/1	1.59795	0.89285	2.30305	62.40227	ug/L	08/18/10	22:02	
60398-2	2203/2	4.34859	3.83749	4.85968	16.62148	ug/L	08/18/10	22:02	
60398-2	1960/1	-1.05259	-6.38362	4.27843	716.25335	ug/L	08/18/10	22:02	
60398-2	1960/2	3.92058	2.48914	5.35201	51.63405	ug/L	08/18/10	22:02	
60398-2	Y	985.68444	983.17358	988.19525	0.36024		08/18/10	22:02	
CCV	Ag	494.25344	495.38409	493.12280	0.32351	ug/L	08/18/10	22:08	
CCV	Al	5002.16601	5010.65820	4993.67382	0.24009	ug/L	08/18/10	22:08	
CCV	2Al	5.00235	5.01108	4.99362	0.24682	mg/L	08/18/10	22:08	
CCV	As	498.57653	501.94287	495.21020	0.95486	ug/L	08/18/10	22:08	
CCV	B	4894.82470	4896.60009	4893.04931	0.05129	ug/L	08/18/10	22:08	
CCV	Ba	4964.93701	4971.74755	4958.12646	0.19399	ug/L	08/18/10	22:08	
CCV	Be	492.05859	494.08578	490.03143	0.58262	ug/L	08/18/10	22:08	
CCV	Ca	5170.19433	5187.70117	5152.68798	0.47886	ug/L	08/18/10	22:08	
CCV	Cd	486.80773	487.52905	486.08645	0.20954	ug/L	08/18/10	22:08	
CCV	Co	498.29028	499.28680	497.29373	0.28283	ug/L	08/18/10	22:08	
CCV	Cr	4951.33398	4969.28710	4933.38085	0.51278	ug/L	08/18/10	22:08	
CCV	Cu	4958.96533	4965.26611	4952.66455	0.17968	ug/L	08/18/10	22:08	
CCV	Fe	4979.58642	4987.80468	4971.36816	0.23340	ug/L	08/18/10	22:08	
CCV	2Fe	4.97960	4.98782	4.97138	0.23340	mg/L	08/18/10	22:08	
CCV	K	10259.38671	10277.65136	10241.12304	0.25176	ug/L	08/18/10	22:08	
CCV	Mg	5185.17578	5209.39257	5160.95898	0.66049	ug/L	08/18/10	22:08	
CCV	2Mg	5.18514	5.20935	5.16092	0.66044	mg/L	08/18/10	22:08	
CCV	Mn	5029.39550	5043.55126	5015.23974	0.39804	ug/L	08/18/10	22:08	
CCV	Mo	492.97528	491.86300	494.08758	0.31908	ug/L	08/18/10	22:08	
CCV	Na	7522.61816	7679.68261	7365.55371	2.95273	ug/L	08/18/10	22:08	
CCV	Ni	2495.36572	2503.68823	2487.04321	0.47166	ug/L	08/18/10	22:08	
CCV	Pb	503.80752	506.50000	501.11505	0.75579	ug/L	08/18/10	22:08	
CCV	Se	4923.44042	4946.07324	4900.80712	0.65011	ug/L	08/18/10	22:08	
CCV	Sb	491.54547	491.75286	491.33804	0.05967	ug/L	08/18/10	22:08	
CCV	Sn	5128.18994	5137.74169	5118.63818	0.26341	ug/L	08/18/10	22:08	
CCV	Sr	2422.32910	2430.03466	2414.62329	0.44987	ug/L	08/18/10	22:08	
CCV	Ti	495.17047	496.22921	494.11172	0.30237	ug/L	08/18/10	22:08	
CCV	Tl	4917.28417	4920.75634	4913.81152	0.09986	ug/L	08/18/10	22:08	
CCV	V	5188.75292	5200.54833	5176.95751	0.32148	ug/L	08/18/10	22:08	
CCV	Zn	2534.30053	2543.33105	2525.27001	0.50392	ug/L	08/18/10	22:08	
CCV	2203/1	516.35522	516.08776	516.62268	0.07325	ug/L	08/18/10	22:08	
CCV	2203/2	497.53826	501.70849	493.36807	1.18535	ug/L	08/18/10	22:08	
CCV	1960/1	5053.23974	5069.80859	5036.67089	0.46370	ug/L	08/18/10	22:08	
CCV	1960/2	4858.63769	4884.29833	4832.97705	0.74690	ug/L	08/18/10	22:08	
CCV	Y	980.38378	975.32366	985.44390	0.72992		08/18/10	22:08	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.68589	0.44271	0.92908	50.14105	ug/L	08/18/10	22:13	
CCB	Al	-27.78676	-29.15575	-26.41777	6.96749	ug/L	08/18/10	22:13	
CCB	2Al	-0.02778	-0.02915	-0.02642	6.96745	mg/L	08/18/10	22:13	
CCB	As	-0.69909	-0.22031	-1.17786	96.85345	ug/L	08/18/10	22:13	
CCB	B	15.84617	16.62224	15.07010	6.92616	ug/L	08/18/10	22:13	
CCB	Ba	1.03006	0.16989	1.89023	118.09544	ug/L	08/18/10	22:13	
CCB	Be	0.20411	0.11162	0.29661	64.08586	ug/L	08/18/10	22:13	
CCB	Ca	9.32906	7.01852	11.63960	35.02594	ug/L	08/18/10	22:13	
CCB	Cd	0.15091	-0.00392	0.30575	145.10369	ug/L	08/18/10	22:13	
CCB	Co	0.72781	0.88645	0.56916	30.82639	ug/L	08/18/10	22:13	
CCB	Cr	1.02013	-0.05258	2.09285	148.71102	ug/L	08/18/10	22:13	
CCB	Cu	1.81264	0.69097	2.93431	87.51174	ug/L	08/18/10	22:13	
CCB	Fe	-15.07829	-8.58763	-21.56895	60.87679	ug/L	08/18/10	22:13	
CCB	2Fe	-0.01507	-0.00858	-0.02156	60.87834	mg/L	08/18/10	22:13	
CCB	K	-0.32414	1.17911	-1.82741	655.85382	ug/L	08/18/10	22:13	
CCB	Mg	-2.51346	-5.03813	0.01120	142.05187	ug/L	08/18/10	22:13	
CCB	2Mg	-0.00250	-0.00503	0.00001	142.31770	mg/L	08/18/10	22:13	
CCB	Mn	1.04162	0.09496	1.98829	128.52746	ug/L	08/18/10	22:13	
CCB	Mo	0.12658	-0.97796	1.23114	1233.99365	ug/L	08/18/10	22:13	
CCB	Na	140.60874	168.64707	112.57042	28.20036	ug/L	08/18/10	22:13	
CCB	Ni	0.22565	0.29621	0.15508	44.22526	ug/L	08/18/10	22:13	
CCB	Pb	1.80104	1.73855	1.86353	4.90675	ug/L	08/18/10	22:13	
CCB	Se	6.02051	6.04221	5.99882	0.50963	ug/L	08/18/10	22:13	
CCB	Sb	-1.97883	-2.44562	-1.51205	33.35978	ug/L	08/18/10	22:13	
CCB	Sn	2.83541	0.71343	4.95739	105.83766	ug/L	08/18/10	22:13	
CCB	Sr	0.51765	0.10439	0.93092	112.90209	ug/L	08/18/10	22:13	
CCB	Ti	0.26599	0.15632	0.37565	58.30604	ug/L	08/18/10	22:13	
CCB	Tl	1.30855	-0.50595	3.12307	196.10237	ug/L	08/18/10	22:13	
CCB	V	1.45360	0.91710	1.99010	52.19633	ug/L	08/18/10	22:13	
CCB	Zn	0.54274	0.48653	0.59895	14.64709	ug/L	08/18/10	22:13	
CCB	2203/1	1.18762	0.87840	1.49684	36.82195	ug/L	08/18/10	22:13	
CCB	2203/2	2.10729	2.16798	2.04660	4.07309	ug/L	08/18/10	22:13	
CCB	1960/1	3.60055	5.96937	1.23173	93.04164	ug/L	08/18/10	22:13	
CCB	1960/2	7.22868	6.07858	8.37879	22.50056	ug/L	08/18/10	22:13	
CCB	Y	953.74597	955.24670	952.24530	0.22252		08/18/10	22:13	
60296-1	Ag	-0.00279	0.32520	-0.33079	16591.72460	ug/L	08/18/10	22:18	
60296-1	Al	252.06326	254.04362	250.08288	1.11109	ug/L	08/18/10	22:18	
60296-1	2Al	0.25208	0.25406	0.25010	1.11108	mg/L	08/18/10	22:18	
60296-1	As	2.12647	1.85871	2.39424	17.80766	ug/L	08/18/10	22:18	
60296-1	B	-12.69308	-11.74494	-13.64121	10.56371	ug/L	08/18/10	22:18	
60296-1	Ba	73.31188	73.03217	73.59159	0.53957	ug/L	08/18/10	22:18	
60296-1	Be	0.43857	0.41765	0.45949	6.74569	ug/L	08/18/10	22:18	
60296-1	Ca	2811.40429	2808.22290	2814.58593	0.16003	ug/L	08/18/10	22:18	
60296-1	Cd	-0.06170	-0.07075	-0.05265	20.74752	ug/L	08/18/10	22:18	
60296-1	Co	198.64950	198.85913	198.43988	0.14923	ug/L	08/18/10	22:18	
60296-1	Cr	4.19566	4.07481	4.31651	4.07340	ug/L	08/18/10	22:18	
60296-1	Cu	17.09780	16.87104	17.32456	1.87561	ug/L	08/18/10	22:18	
60296-1	Fe	353.33172	346.28701	360.37643	2.81965	ug/L	08/18/10	22:18	
60296-1	2Fe	0.35335	0.34630	0.36039	2.81909	mg/L	08/18/10	22:18	
60296-1	K	2394.19140	2391.08935	2397.29345	0.18323	ug/L	08/18/10	22:18	
60296-1	Mg	886.49963	884.97601	888.02331	0.24306	ug/L	08/18/10	22:18	
60296-1	2Mg	0.88629	0.88477	0.88782	0.24290	mg/L	08/18/10	22:18	
60296-1	Mn	245.22656	244.41777	246.03536	0.46643	ug/L	08/18/10	22:18	
60296-1	Mo	5.13535	3.77469	6.49600	37.47076	ug/L	08/18/10	22:18	
60296-1	Na	5697.43457	5641.60888	5753.26074	1.38570	ug/L	08/18/10	22:18	
60296-1	Ni	33.89300	33.35551	34.43049	2.24272	ug/L	08/18/10	22:18	
60296-1	Pb	0.56669	1.44738	-0.31399	219.77850	ug/L	08/18/10	22:18	
60296-1	Se	0.00598	1.95305	-1.94108	45996.29296	ug/L	08/18/10	22:18	
60296-1	Sb	-2.52605	-3.74957	-1.30254	68.49850	ug/L	08/18/10	22:18	
60296-1	Sn	0.23113	3.08727	-2.62501	1747.56347	ug/L	08/18/10	22:18	
60296-1	Sr	38.73075	38.65378	38.80772	0.28104	ug/L	08/18/10	22:18	
60296-1	Ti	10.08819	10.08494	10.09143	0.04544	ug/L	08/18/10	22:18	
60296-1	Tl	2.89209	2.85656	2.92761	1.73731	ug/L	08/18/10	22:18	
60296-1	V	-0.03540	0.44782	-0.51864	1930.04785	ug/L	08/18/10	22:18	
60296-1	Zn	45.07495	44.84042	45.30949	0.73584	ug/L	08/18/10	22:18	
60296-1	2203/1	-0.46197	0.29520	-1.21915	231.79280	ug/L	08/18/10	22:18	
60296-1	2203/2	1.08026	2.02261	0.13791	123.36688	ug/L	08/18/10	22:18	
60296-1	1960/1	-4.93268	-2.36987	-7.49550	73.47651	ug/L	08/18/10	22:18	
60296-1	1960/2	2.47162	4.11128	0.83196	93.81813	ug/L	08/18/10	22:18	
60296-1	Y	973.71234	975.38140	972.04327	0.24241		08/18/10	22:18	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60296-2	Ag	0.74213	1.03999	0.44428	56.75947	ug/L	08/18/10	22:24	
60296-2	Al	1458.33496	1462.82885	1453.84106	0.43579	ug/L	08/18/10	22:24	
60296-2	2Al	1.45847	1.46296	1.45397	0.43579	mg/L	08/18/10	22:24	
60296-2	As	-0.56195	-2.98857	1.86466	610.68359	ug/L	08/18/10	22:24	
60296-2	B	-11.73522	-11.31086	-12.15958	5.11402	ug/L	08/18/10	22:24	
60296-2	Ba	29.85883	29.82291	29.89475	0.17011	ug/L	08/18/10	22:24	
60296-2	Be	0.48771	0.50208	0.47333	4.16834	ug/L	08/18/10	22:24	
60296-2	Ca	676.19042	678.83850	673.54235	0.55382	ug/L	08/18/10	22:24	
60296-2	Cd	-0.06027	0.11003	-0.23058	399.59854	ug/L	08/18/10	22:24	
60296-2	Co	6.37435	6.79663	5.95207	9.36875	ug/L	08/18/10	22:24	
60296-2	Cr	27.85403	27.90415	27.80391	0.25447	ug/L	08/18/10	22:24	
60296-2	Cu	15.47341	15.77710	15.16973	2.77554	ug/L	08/18/10	22:24	
60296-2	Fe	1290.01586	1289.10815	1290.92358	0.09951	ug/L	08/18/10	22:24	
60296-2	2Fe	1.28985	1.28894	1.29076	0.09949	mg/L	08/18/10	22:24	
60296-2	K	975.95764	988.77008	963.14526	1.85658	ug/L	08/18/10	22:24	
60296-2	Mg	747.26782	748.39233	746.14337	0.21280	ug/L	08/18/10	22:24	
60296-2	2Mg	0.74683	0.74795	0.74571	0.21290	mg/L	08/18/10	22:24	
60296-2	Mn	10.25980	10.32605	10.19355	0.91320	ug/L	08/18/10	22:24	
60296-2	Mo	2.29345	2.89439	1.69251	37.05560	ug/L	08/18/10	22:24	
60296-2	Na	3705.97412	3649.95727	3761.99072	2.13761	ug/L	08/18/10	22:24	
60296-2	Ni	29.77469	30.42861	29.12076	3.10594	ug/L	08/18/10	22:24	
60296-2	Pb	3.72226	3.98278	3.46174	9.89810	ug/L	08/18/10	22:24	
60296-2	Se	-0.99844	-0.67264	-1.32423	46.14672	ug/L	08/18/10	22:24	
60296-2	Sb	-3.67246	-5.58212	-1.76280	73.53820	ug/L	08/18/10	22:24	
60296-2	Sn	0.60449	-2.32706	3.53606	685.83618	ug/L	08/18/10	22:24	
60296-2	Sr	12.59908	12.63871	12.55945	0.44485	ug/L	08/18/10	22:24	
60296-2	Ti	12.54323	12.61524	12.47123	0.81184	ug/L	08/18/10	22:24	
60296-2	Tl	1.86710	-1.08702	4.82124	223.75671	ug/L	08/18/10	22:24	
60296-2	V	1.36684	1.47688	1.25680	11.38538	ug/L	08/18/10	22:24	
60296-2	Zn	45.05668	45.27482	44.83855	0.68467	ug/L	08/18/10	22:24	
60296-2	2203/1	2.95032	2.44693	3.45372	24.12989	ug/L	08/18/10	22:24	
60296-2	2203/2	4.10765	4.74956	3.46574	22.10010	ug/L	08/18/10	22:24	
60296-2	1960/1	-0.77391	-0.43640	-1.11143	61.67478	ug/L	08/18/10	22:24	
60296-2	1960/2	-1.11053	-0.79058	-1.43048	40.74415	ug/L	08/18/10	22:24	
60296-2	Y	975.96337	971.27362	980.65313	0.67956		08/18/10	22:24	
60296-3	Ag	0.05790	-0.09126	0.20708	364.29110	ug/L	08/18/10	22:29	
60296-3	Al	331.05429	325.85821	336.25036	2.21968	ug/L	08/18/10	22:29	
60296-3	2Al	0.33108	0.32588	0.33628	2.21968	mg/L	08/18/10	22:29	
60296-3	As	0.70563	-1.05808	2.46935	353.47866	ug/L	08/18/10	22:29	
60296-3	B	-14.90526	-13.24181	-16.56872	15.78287	ug/L	08/18/10	22:29	
60296-3	Ba	165.08865	164.99397	165.18331	0.08110	ug/L	08/18/10	22:29	
60296-3	Be	0.92826	0.92295	0.93357	0.80900	ug/L	08/18/10	22:29	
60296-3	Ca	6204.11132	6199.54101	6208.68164	0.10417	ug/L	08/18/10	22:29	
60296-3	Cd	-0.03924	-0.16979	0.09130	470.46768	ug/L	08/18/10	22:29	
60296-3	Co	1.35535	1.61057	1.10013	26.63047	ug/L	08/18/10	22:29	
60296-3	Cr	28.31310	28.50471	28.12149	0.95707	ug/L	08/18/10	22:29	
60296-3	Cu	3.23425	2.93899	3.52950	12.91031	ug/L	08/18/10	22:29	
60296-3	Fe	2602.10839	2599.53247	2604.68457	0.14000	ug/L	08/18/10	22:29	
60296-3	2Fe	2.60177	2.59920	2.60435	0.14000	mg/L	08/18/10	22:29	
60296-3	K	1550.95874	1554.27722	1547.64025	0.30258	ug/L	08/18/10	22:29	
60296-3	Mg	2708.07080	2702.95874	2713.18261	0.26695	ug/L	08/18/10	22:29	
60296-3	2Mg	2.70686	2.70175	2.71197	0.26697	mg/L	08/18/10	22:29	
60296-3	Mn	25.97467	26.01228	25.93705	0.20479	ug/L	08/18/10	22:29	
60296-3	Mo	3.09813	2.34277	3.85349	34.48008	ug/L	08/18/10	22:29	
60296-3	Na	21095.52343	21040.42382	21150.62500	0.36938	ug/L	08/18/10	22:29	
60296-3	Ni	22.80617	22.21438	23.39797	3.66970	ug/L	08/18/10	22:29	
60296-3	Pb	-0.32560	-0.40430	-0.24690	34.18409	ug/L	08/18/10	22:29	
60296-3	Se	-1.29084	0.26155	-2.84325	170.07662	ug/L	08/18/10	22:29	
60296-3	Sb	-1.81449	-3.33110	-0.29789	118.20384	ug/L	08/18/10	22:29	
60296-3	Sn	0.42109	0.76551	0.07667	115.67048	ug/L	08/18/10	22:29	
60296-3	Sr	90.59996	90.74848	90.45144	0.23183	ug/L	08/18/10	22:29	
60296-3	Ti	13.97159	14.04902	13.89415	0.78380	ug/L	08/18/10	22:29	
60296-3	Tl	3.26366	3.84012	2.68721	24.97907	ug/L	08/18/10	22:29	
60296-3	V	1.19786	1.68234	0.71338	57.19831	ug/L	08/18/10	22:29	
60296-3	Zn	22.47576	22.51605	22.43548	0.25348	ug/L	08/18/10	22:29	
60296-3	2203/1	-0.86825	-3.17328	1.43677	375.44464	ug/L	08/18/10	22:29	
60296-3	2203/2	-0.05468	0.97810	-1.08747	2670.71728	ug/L	08/18/10	22:29	
60296-3	1960/1	-5.07335	-2.56782	-7.57888	69.84249	ug/L	08/18/10	22:29	
60296-3	1960/2	0.59757	1.67412	-0.47898	254.77799	ug/L	08/18/10	22:29	
60296-3	Y	975.73730	974.02496	977.44970	0.24818		08/18/10	22:29	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60296-4	Ag	0.65157	0.62159	0.68154	6.50571	ug/L	08/18/10	22:34	
60296-4	Al	-30.74215	-31.49389	-29.99042	3.45816	ug/L	08/18/10	22:34	
60296-4	2Al	-0.03074	-0.03149	-0.02999	3.45815	mg/L	08/18/10	22:34	
60296-4	As	-2.79106	-4.46327	-1.11885	84.72969	ug/L	08/18/10	22:34	
60296-4	B	-18.76085	-19.32587	-18.19582	4.25922	ug/L	08/18/10	22:34	
60296-4	Ba	124.30769	124.31561	124.29977	0.00900	ug/L	08/18/10	22:34	
60296-4	Be	0.12885	0.13064	0.12705	1.97369	ug/L	08/18/10	22:34	
60296-4	Ca	5260.39892	5257.21435	5263.58349	0.08561	ug/L	08/18/10	22:34	
60296-4	Cd	-0.33344	-0.26184	-0.40503	30.36611	ug/L	08/18/10	22:34	
60296-4	Co	2.60520	2.42783	2.78256	9.62807	ug/L	08/18/10	22:34	
60296-4	Cr	0.14190	-0.22607	0.50987	366.73364	ug/L	08/18/10	22:34	
60296-4	Cu	1.41812	1.17154	1.66470	24.59013	ug/L	08/18/10	22:34	
60296-4	Fe	20.49440	19.62581	21.36299	5.99369	ug/L	08/18/10	22:34	
60296-4	2Fe	0.02049	0.01962	0.02136	5.99385	mg/L	08/18/10	22:34	
60296-4	K	2378.87548	2387.52392	2370.22705	0.51413	ug/L	08/18/10	22:34	
60296-4	Mg	2060.98388	2058.69921	2063.26879	0.15677	ug/L	08/18/10	22:34	
60296-4	2Mg	2.06041	2.05813	2.06270	0.15677	mg/L	08/18/10	22:34	
60296-4	Mn	38.04946	38.07684	38.02207	0.10178	ug/L	08/18/10	22:34	
60296-4	Mo	5.32977	7.06247	3.59706	45.97600	ug/L	08/18/10	22:34	
60296-4	Na	33450.46093	33557.39062	33343.53125	0.45207	ug/L	08/18/10	22:34	
60296-4	Ni	132.97653	133.91406	132.03898	0.99707	ug/L	08/18/10	22:34	
60296-4	Pb	-0.35278	0.24756	-0.95313	240.66215	ug/L	08/18/10	22:34	
60296-4	Se	-0.55850	-0.24559	-0.87141	79.23365	ug/L	08/18/10	22:34	
60296-4	Sb	-5.47863	-6.40777	-4.54949	23.98408	ug/L	08/18/10	22:34	
60296-4	Sn	1.22592	-2.03511	4.48696	376.18942	ug/L	08/18/10	22:34	
60296-4	Sr	82.03205	82.25953	81.80458	0.39216	ug/L	08/18/10	22:34	
60296-4	Ti	0.05538	0.04274	0.06803	32.29081	ug/L	08/18/10	22:34	
60296-4	Tl	-2.24343	2.07093	-6.55781	271.96844	ug/L	08/18/10	22:34	
60296-4	V	0.30018	0.22896	0.37140	33.55222	ug/L	08/18/10	22:34	
60296-4	Zn	5.71736	5.54690	5.88781	4.21626	ug/L	08/18/10	22:34	
60296-4	2203/1	1.05063	0.03212	2.06913	137.09710	ug/L	08/18/10	22:34	
60296-4	2203/2	-1.05344	0.35512	-2.46200	189.09527	ug/L	08/18/10	22:34	
60296-4	1960/1	-4.05385	-6.61504	-1.49266	89.34870	ug/L	08/18/10	22:34	
60296-4	1960/2	1.18655	2.93435	-0.56125	208.31535	ug/L	08/18/10	22:34	
60296-4	Y	977.23803	979.48913	974.98693	0.32576		08/18/10	22:34	
60296-5	Ag	0.53352	0.38441	0.68264	39.52532	ug/L	08/18/10	22:40	
60296-5	Al	4.02767	3.13793	4.91741	31.24091	ug/L	08/18/10	22:40	
60296-5	2Al	0.00402	0.00313	0.00491	31.24091	mg/L	08/18/10	22:40	
60296-5	As	0.82140	2.16961	-0.52681	232.12271	ug/L	08/18/10	22:40	
60296-5	B	-19.03507	-19.87480	-18.19534	6.23879	ug/L	08/18/10	22:40	
60296-5	Ba	133.62588	133.30961	133.94216	0.33472	ug/L	08/18/10	22:40	
60296-5	Be	0.60448	0.61051	0.59845	1.41137	ug/L	08/18/10	22:40	
60296-5	Ca	8529.52343	8511.88964	8547.15820	0.29238	ug/L	08/18/10	22:40	
60296-5	Cd	-0.02943	0.08255	-0.14142	538.07257	ug/L	08/18/10	22:40	
60296-5	Co	23.82417	23.38882	24.25952	2.58424	ug/L	08/18/10	22:40	
60296-5	Cr	1.36513	1.19064	1.53963	18.07694	ug/L	08/18/10	22:40	
60296-5	Cu	1.35773	1.74875	0.96672	40.72761	ug/L	08/18/10	22:40	
60296-5	Fe	1341.93994	1335.29443	1348.58557	0.70034	ug/L	08/18/10	22:40	
60296-5	2Fe	1.34177	1.33513	1.34842	0.70036	mg/L	08/18/10	22:40	
60296-5	K	2224.99853	2218.18237	2231.81469	0.43323	ug/L	08/18/10	22:40	
60296-5	Mg	3365.50488	3366.79638	3364.21337	0.05427	ug/L	08/18/10	22:40	
60296-5	2Mg	3.36444	3.36574	3.36315	0.05431	mg/L	08/18/10	22:40	
60296-5	Mn	283.29513	282.68563	283.90463	0.30426	ug/L	08/18/10	22:40	
60296-5	Mo	-0.80328	-0.98502	-0.62155	31.99502	ug/L	08/18/10	22:40	
60296-5	Na	22819.23046	22548.22851	23090.23242	1.67952	ug/L	08/18/10	22:40	
60296-5	Ni	4.30290	4.25513	4.35067	1.57002	ug/L	08/18/10	22:40	
60296-5	Pb	0.00813	-1.00998	1.02625	17703.91015	ug/L	08/18/10	22:40	
60296-5	Se	2.59509	4.30450	0.88568	93.15530	ug/L	08/18/10	22:40	
60296-5	Sb	-7.75492	-9.77871	-5.73112	36.90666	ug/L	08/18/10	22:40	
60296-5	Sn	1.21569	-3.05425	5.48564	496.72161	ug/L	08/18/10	22:40	
60296-5	Sr	127.24446	126.93628	127.55263	0.34250	ug/L	08/18/10	22:40	
60296-5	Ti	2.54465	2.59295	2.49636	2.68409	ug/L	08/18/10	22:40	
60296-5	Tl	-4.96777	-5.94004	-3.99551	27.67817	ug/L	08/18/10	22:40	
60296-5	V	-0.20970	-0.10580	-0.31360	70.06845	ug/L	08/18/10	22:40	
60296-5	Zn	9.51955	9.23260	9.80649	4.26283	ug/L	08/18/10	22:40	
60296-5	2203/1	-0.38157	-2.21406	1.45092	679.17187	ug/L	08/18/10	22:40	
60296-5	2203/2	0.20269	-0.40884	0.81423	426.67697	ug/L	08/18/10	22:40	
60296-5	1960/1	1.05592	2.15458	-0.04273	147.14466	ug/L	08/18/10	22:40	
60296-5	1960/2	3.36352	5.37785	1.34920	84.69344	ug/L	08/18/10	22:40	
60296-5	Y	971.49975	973.98651	969.01293	0.36200		08/18/10	22:40	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60296-6	Ag	0.44217	0.56408	0.32025	38.99203	ug/L	08/18/10	22:45	
60296-6	Al	58.76615	55.20301	62.32930	8.57475	ug/L	08/18/10	22:45	
60296-6	2Al	0.05877	0.05520	0.06233	8.57478	mg/L	08/18/10	22:45	
60296-6	As	-0.62258	2.75808	-4.00325	767.92419	ug/L	08/18/10	22:45	
60296-6	B	-6.32856	-6.42016	-6.23697	2.04686	ug/L	08/18/10	22:45	
60296-6	Ba	46.95935	46.73234	47.18636	0.68366	ug/L	08/18/10	22:45	
60296-6	Be	0.85325	0.86982	0.83669	2.74505	ug/L	08/18/10	22:45	
60296-6	Ca	2949.65185	2946.68164	2952.62182	0.14240	ug/L	08/18/10	22:45	
60296-6	Cd	0.20804	0.36364	0.05244	105.77180	ug/L	08/18/10	22:45	
60296-6	Co	4.45755	4.53025	4.38486	2.30636	ug/L	08/18/10	22:45	
60296-6	Cr	26.11810	26.11517	26.12102	0.01584	ug/L	08/18/10	22:45	
60296-6	Cu	2.90454	2.91483	2.89425	0.50091	ug/L	08/18/10	22:45	
60296-6	Fe	265.45639	255.00651	275.90628	5.56715	ug/L	08/18/10	22:45	
60296-6	2Fe	0.26542	0.25497	0.27587	5.56709	mg/L	08/18/10	22:45	
60296-6	K	2236.12841	2223.05981	2249.19702	0.82650	ug/L	08/18/10	22:45	
60296-6	Mg	3420.48950	3417.62573	3423.35327	0.11840	ug/L	08/18/10	22:45	
60296-6	2Mg	3.41952	3.41666	3.42238	0.11833	mg/L	08/18/10	22:45	
60296-6	Mn	100.97564	100.86845	101.08283	0.15012	ug/L	08/18/10	22:45	
60296-6	Mo	8.96953	9.22194	8.71713	3.97963	ug/L	08/18/10	22:45	
60296-6	Na	243888.04687	243398.81250	244377.28125	0.28368	ug/L	08/18/10	22:45	
60296-6	Ni	125.03349	124.62542	125.44155	0.46155	ug/L	08/18/10	22:45	
60296-6	Pb	-1.20311	-0.42930	-1.97693	90.95811	ug/L	08/18/10	22:45	
60296-6	Se	2.23914	1.53598	2.94231	44.41083	ug/L	08/18/10	22:45	
60296-6	Sb	-2.73359	-1.71283	-3.75435	52.80856	ug/L	08/18/10	22:45	
60296-6	Sn	2.54429	2.29461	2.79398	13.87842	ug/L	08/18/10	22:45	
60296-6	Sr	44.55906	44.50974	44.60838	0.15652	ug/L	08/18/10	22:45	
60296-6	Ti	2.51821	2.43066	2.60576	4.91655	ug/L	08/18/10	22:45	
60296-6	Tl	-0.09932	-0.46923	0.27058	526.68713	ug/L	08/18/10	22:45	
60296-6	V	0.97891	1.26007	0.69775	40.61901	ug/L	08/18/10	22:45	
60296-6	Zn	12.64795	12.77808	12.51782	1.45505	ug/L	08/18/10	22:45	
60296-6	2203/1	-2.54991	-1.52707	-3.57275	56.72809	ug/L	08/18/10	22:45	
60296-6	2203/2	-0.53073	0.11875	-1.18021	173.06427	ug/L	08/18/10	22:45	
60296-6	1960/1	-2.64803	-1.15413	-4.14192	79.78347	ug/L	08/18/10	22:45	
60296-6	1960/2	4.67907	2.87902	6.47912	54.40505	ug/L	08/18/10	22:45	
60296-6	Y	951.21594	953.41894	949.01293	0.32752		08/18/10	22:45	
60296-7	Ag	0.65143	0.44401	0.85885	45.02941	ug/L	08/18/10	22:50	
60296-7	Al	50.37652	51.13793	49.61510	2.13751	ug/L	08/18/10	22:50	
60296-7	2Al	0.05038	0.05114	0.04961	2.13751	mg/L	08/18/10	22:50	
60296-7	As	3.14877	2.26073	4.03680	39.88441	ug/L	08/18/10	22:50	
60296-7	B	-21.00868	-20.85302	-21.16435	1.04787	ug/L	08/18/10	22:50	
60296-7	Ba	138.06671	138.29382	137.83959	0.23263	ug/L	08/18/10	22:50	
60296-7	Be	0.65421	0.63262	0.67581	4.66777	ug/L	08/18/10	22:50	
60296-7	Ca	8940.54687	8950.91992	8930.17382	0.16408	ug/L	08/18/10	22:50	
60296-7	Cd	-0.05767	-0.21878	0.10344	395.07537	ug/L	08/18/10	22:50	
60296-7	Co	23.49262	23.13337	23.85187	2.16260	ug/L	08/18/10	22:50	
60296-7	Cr	1.15809	0.73512	1.58107	51.65158	ug/L	08/18/10	22:50	
60296-7	Cu	1.61351	1.20230	2.02473	36.04169	ug/L	08/18/10	22:50	
60296-7	Fe	1330.56298	1333.81335	1327.31262	0.34547	ug/L	08/18/10	22:50	
60296-7	2Fe	1.33040	1.33365	1.32715	0.34545	mg/L	08/18/10	22:50	
60296-7	K	2352.42065	2351.66918	2353.17211	0.04517	ug/L	08/18/10	22:50	
60296-7	Mg	3470.28320	3467.52758	3473.03857	0.11229	ug/L	08/18/10	22:50	
60296-7	2Mg	3.46919	3.46644	3.47195	0.11232	mg/L	08/18/10	22:50	
60296-7	Mn	280.19012	280.35714	280.02310	0.08430	ug/L	08/18/10	22:50	
60296-7	Mo	-0.13405	-0.08845	-0.17965	48.10302	ug/L	08/18/10	22:50	
60296-7	Na	23782.09765	23787.79296	23776.40234	0.03386	ug/L	08/18/10	22:50	
60296-7	Ni	2.95751	2.41044	3.50459	26.15978	ug/L	08/18/10	22:50	
60296-7	Pb	-1.07610	-1.19574	-0.95646	15.72321	ug/L	08/18/10	22:50	
60296-7	Se	0.22295	0.70127	-0.25535	303.39569	ug/L	08/18/10	22:50	
60296-7	Sb	-3.03635	-4.40275	-1.66994	63.64190	ug/L	08/18/10	22:50	
60296-7	Sn	2.10073	1.95764	2.24382	9.63273	ug/L	08/18/10	22:50	
60296-7	Sr	130.45335	130.34587	130.56083	0.11651	ug/L	08/18/10	22:50	
60296-7	Ti	6.89080	6.98871	6.79288	2.00951	ug/L	08/18/10	22:50	
60296-7	Tl	1.70564	0.37934	3.03193	109.96858	ug/L	08/18/10	22:50	
60296-7	V	0.35551	0.11168	0.59934	96.99260	ug/L	08/18/10	22:50	
60296-7	Zn	12.68840	12.85194	12.52486	1.82277	ug/L	08/18/10	22:50	
60296-7	2203/1	-3.26673	-2.74800	-3.78547	22.45672	ug/L	08/18/10	22:50	
60296-7	2203/2	0.01756	-0.42078	0.45592	3528.29980	ug/L	08/18/10	22:50	
60296-7	1960/1	-5.01946	-1.20206	-8.83685	107.55355	ug/L	08/18/10	22:50	
60296-7	1960/2	2.84023	1.65151	4.02895	59.18899	ug/L	08/18/10	22:50	
60296-7	Y	976.82922	976.21832	977.44006	0.08843		08/18/10	22:50	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60296-8	Ag	0.50316	0.62160	0.38472	33.28863	ug/L	08/18/10	22:56	
60296-8	Al	-34.34238	-37.45483	-31.22992	12.81702	ug/L	08/18/10	22:56	
60296-8	2Al	-0.03434	-0.03745	-0.03123	12.81702	mg/L	08/18/10	22:56	
60296-8	As	0.93782	1.87208	0.00356	140.88360	ug/L	08/18/10	22:56	
60296-8	B	-25.65220	-25.83986	-25.46453	1.03458	ug/L	08/18/10	22:56	
60296-8	Ba	0.10875	0.08943	0.12806	25.11926	ug/L	08/18/10	22:56	
60296-8	Be	0.11278	0.10862	0.11695	5.22263	ug/L	08/18/10	22:56	
60296-8	Ca	40.06474	40.78641	39.34306	2.54738	ug/L	08/18/10	22:56	
60296-8	Cd	-0.20956	-0.17878	-0.24033	20.76861	ug/L	08/18/10	22:56	
60296-8	Co	0.77882	0.48684	1.07080	53.01832	ug/L	08/18/10	22:56	
60296-8	Cr	0.25398	-0.00080	0.50877	141.87127	ug/L	08/18/10	22:56	
60296-8	Cu	0.51387	0.49754	0.53020	4.49477	ug/L	08/18/10	22:56	
60296-8	Fe	-12.75358	-13.54124	-11.96591	8.73419	ug/L	08/18/10	22:56	
60296-8	2Fe	-0.01275	-0.01353	-0.01196	8.73597	mg/L	08/18/10	22:56	
60296-8	K	1.78209	-4.01575	7.57994	460.09832	ug/L	08/18/10	22:56	
60296-8	Mg	2.46224	-0.00194	4.92643	141.53329	ug/L	08/18/10	22:56	
60296-8	2Mg	0.00246	0.00000	0.00492	141.39501	mg/L	08/18/10	22:56	
60296-8	Mn	0.09879	0.05734	0.14025	59.34394	ug/L	08/18/10	22:56	
60296-8	Mo	-2.95903	-1.70257	-4.21548	60.04983	ug/L	08/18/10	22:56	
60296-8	Na	174.75424	110.26525	239.24322	52.18825	ug/L	08/18/10	22:56	
60296-8	Ni	0.43793	-0.38730	1.26317	266.49462	ug/L	08/18/10	22:56	
60296-8	Pb	1.02699	0.79095	1.26303	32.50352	ug/L	08/18/10	22:56	
60296-8	Se	1.95897	0.88525	3.03268	77.51328	ug/L	08/18/10	22:56	
60296-8	Sb	-5.28130	-7.21152	-3.35108	51.68688	ug/L	08/18/10	22:56	
60296-8	Sn	2.37753	2.23533	2.51973	8.45832	ug/L	08/18/10	22:56	
60296-8	Sr	0.02097	0.01041	0.03153	71.20510	ug/L	08/18/10	22:56	
60296-8	Ti	0.06728	0.13461	-0.00004	141.52603	ug/L	08/18/10	22:56	
60296-8	Tl	0.45150	2.43869	-1.53569	622.43994	ug/L	08/18/10	22:56	
60296-8	V	0.03482	-0.48279	0.55243	2102.26879	ug/L	08/18/10	22:56	
60296-8	Zn	1.66142	1.81385	1.50898	12.97557	ug/L	08/18/10	22:56	
60296-8	2203/1	1.52654	0.53667	2.51641	91.70343	ug/L	08/18/10	22:56	
60296-8	2203/2	0.77759	0.91790	0.63728	25.51871	ug/L	08/18/10	22:56	
60296-8	1960/1	-0.90379	0.63455	-2.44215	240.71360	ug/L	08/18/10	22:56	
60296-8	1960/2	3.38820	1.01041	5.76600	99.24735	ug/L	08/18/10	22:56	
60296-8	Y	977.99322	979.44104	976.54541	0.20935		08/18/10	22:56	
CCV	Ag	492.04754	493.24017	490.85494	0.34277	ug/L	08/18/10	23:01	
CCV	Al	4963.94921	4967.44726	4960.45117	0.09965	ug/L	08/18/10	23:01	
CCV	2Al	4.96425	4.96787	4.96063	0.10307	mg/L	08/18/10	23:01	
CCV	As	496.90429	500.55938	493.24917	1.04026	ug/L	08/18/10	23:01	
CCV	B	4866.18847	4863.60400	4868.77343	0.07511	ug/L	08/18/10	23:01	
CCV	Ba	4935.60742	4941.62207	4929.59277	0.17233	ug/L	08/18/10	23:01	
CCV	Be	489.67535	490.19409	489.15658	0.14981	ug/L	08/18/10	23:01	
CCV	Ca	5139.37792	5146.13916	5132.61718	0.18604	ug/L	08/18/10	23:01	
CCV	Cd	483.19628	485.54724	480.84536	0.68806	ug/L	08/18/10	23:01	
CCV	Co	496.60485	496.84915	496.36056	0.06956	ug/L	08/18/10	23:01	
CCV	Cr	4916.15527	4922.12158	4910.18945	0.17162	ug/L	08/18/10	23:01	
CCV	Cu	4937.37011	4944.43261	4930.30761	0.20229	ug/L	08/18/10	23:01	
CCV	Fe	4937.36083	4944.48779	4930.23388	0.20413	ug/L	08/18/10	23:01	
CCV	2Fe	4.93738	4.94451	4.93025	0.20413	mg/L	08/18/10	23:01	
CCV	K	10231.34863	10246.40820	10216.28906	0.20815	ug/L	08/18/10	23:01	
CCV	Mg	5149.06787	5154.75683	5143.37890	0.15624	ug/L	08/18/10	23:01	
CCV	2Mg	5.14903	5.15472	5.14334	0.15625	mg/L	08/18/10	23:01	
CCV	Mn	4997.15283	5003.88964	4990.41601	0.19065	ug/L	08/18/10	23:01	
CCV	Mo	488.83984	487.88177	489.79791	0.27716	ug/L	08/18/10	23:01	
CCV	Na	7467.14599	7385.67089	7548.62109	1.54306	ug/L	08/18/10	23:01	
CCV	Ni	2474.98876	2480.88696	2469.09057	0.33702	ug/L	08/18/10	23:01	
CCV	Pb	501.19573	500.38830	502.00317	0.22783	ug/L	08/18/10	23:01	
CCV	Se	4900.02050	4909.47998	4890.56103	0.27301	ug/L	08/18/10	23:01	
CCV	Sb	491.43411	494.63040	488.23782	0.91980	ug/L	08/18/10	23:01	
CCV	Sn	5093.18066	5094.43457	5091.92675	0.03481	ug/L	08/18/10	23:01	
CCV	Sr	2414.69140	2418.89794	2410.48486	0.24636	ug/L	08/18/10	23:01	
CCV	Ti	491.85107	492.05459	491.64752	0.05852	ug/L	08/18/10	23:01	
CCV	Tl	4903.85449	4900.61425	4907.09423	0.09343	ug/L	08/18/10	23:01	
CCV	V	5154.42089	5160.94042	5147.90087	0.17888	ug/L	08/18/10	23:01	
CCV	Zn	2516.96386	2519.86889	2514.05908	0.16321	ug/L	08/18/10	23:01	
CCV	2203/1	510.37969	509.38497	511.37438	0.27562	ug/L	08/18/10	23:01	
CCV	2203/2	496.60586	495.89190	497.31982	0.20331	ug/L	08/18/10	23:01	
CCV	1960/1	5046.25097	5055.62646	5036.87500	0.26275	ug/L	08/18/10	23:01	
CCV	1960/2	4827.01464	4836.51611	4817.51367	0.27836	ug/L	08/18/10	23:01	
CCV	Y	980.17700	980.03747	980.31646	0.02012		08/18/10	23:01	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.23466	0.26566	0.20365	18.68312	ug/L	08/18/10	23:06	
CCB	Al	-30.18069	-26.79609	-33.56529	15.85964	ug/L	08/18/10	23:06	
CCB	2Al	-0.03018	-0.02679	-0.03356	15.85971	mg/L	08/18/10	23:06	
CCB	As	-0.27598	-2.43402	1.88204	1105.82141	ug/L	08/18/10	23:06	
CCB	B	12.38610	13.26808	11.50411	10.07029	ug/L	08/18/10	23:06	
CCB	Ba	0.87242	0.19241	1.55244	110.23026	ug/L	08/18/10	23:06	
CCB	Be	0.17236	0.09431	0.25041	64.04078	ug/L	08/18/10	23:06	
CCB	Ca	9.09547	7.51588	10.67506	24.56030	ug/L	08/18/10	23:06	
CCB	Cd	-0.15153	-0.28130	-0.02175	121.11705	ug/L	08/18/10	23:06	
CCB	Co	0.37014	0.25267	0.48761	44.88100	ug/L	08/18/10	23:06	
CCB	Cr	0.80044	0.17012	1.43076	111.36475	ug/L	08/18/10	23:06	
CCB	Cu	1.60421	0.82994	2.37847	68.25668	ug/L	08/18/10	23:06	
CCB	Fe	-11.87984	-13.51399	-10.24570	19.45333	ug/L	08/18/10	23:06	
CCB	2Fe	-0.01187	-0.01351	-0.01024	19.45551	mg/L	08/18/10	23:06	
CCB	K	3.58989	-4.55336	11.73315	320.79824	ug/L	08/18/10	23:06	
CCB	Mg	2.47256	4.93579	0.00932	140.88792	ug/L	08/18/10	23:06	
CCB	2Mg	0.00247	0.00493	0.00001	140.74687	mg/L	08/18/10	23:06	
CCB	Mn	0.82433	0.17356	1.47511	111.64489	ug/L	08/18/10	23:06	
CCB	Mo	-0.30689	-0.26624	-0.34753	18.72929	ug/L	08/18/10	23:06	
CCB	Na	74.58163	-55.18484	204.34811	246.06259	ug/L	08/18/10	23:06	
CCB	Ni	0.52189	0.29902	0.74476	60.39253	ug/L	08/18/10	23:06	
CCB	Pb	0.68565	0.69470	0.67660	1.86637	ug/L	08/18/10	23:06	
CCB	Se	2.28893	3.27794	1.29991	61.10604	ug/L	08/18/10	23:06	
CCB	Sb	-3.67343	-4.04945	-3.29741	14.47620	ug/L	08/18/10	23:06	
CCB	Sn	3.01449	2.09546	3.93353	43.11524	ug/L	08/18/10	23:06	
CCB	Sr	0.41745	0.08778	0.74713	111.68301	ug/L	08/18/10	23:06	
CCB	Ti	0.24015	0.26757	0.21272	16.15035	ug/L	08/18/10	23:06	
CCB	Tl	2.83855	0.84888	4.82821	99.12865	ug/L	08/18/10	23:06	
CCB	V	0.49415	-0.75891	1.74722	358.61300	ug/L	08/18/10	23:06	
CCB	Zn	0.84143	0.67831	1.00455	27.41530	ug/L	08/18/10	23:06	
CCB	2203/1	-1.37920	0.69424	-3.45266	212.60803	ug/L	08/18/10	23:06	
CCB	2203/2	1.71654	0.69493	2.73814	84.16754	ug/L	08/18/10	23:06	
CCB	1960/1	0.36881	4.09899	-3.36137	1430.34069	ug/L	08/18/10	23:06	
CCB	1960/2	3.24754	2.86802	3.62706	16.52699	ug/L	08/18/10	23:06	
CCB	Y	970.48962	974.68872	966.29046	0.61190		08/18/10	23:06	
PBW 177399	Ag	0.95230	0.50333	1.40126	66.67297	ug/L	08/18/10	23:11	
PBW 177399	Al	-14.71904	-12.15739	-17.28069	24.61249	ug/L	08/18/10	23:11	
PBW 177399	2Al	-0.01472	-0.01215	-0.01728	24.61241	mg/L	08/18/10	23:11	
PBW 177399	As	0.37924	-1.52921	2.28770	711.67004	ug/L	08/18/10	23:11	
PBW 177399	B	-9.88621	-8.69895	-11.07347	16.98367	ug/L	08/18/10	23:11	
PBW 177399	Ba	0.61501	0.64862	0.58140	7.72847	ug/L	08/18/10	23:11	
PBW 177399	Be	0.12494	0.11799	0.13189	7.86827	ug/L	08/18/10	23:11	
PBW 177399	Ca	400.64337	400.27072	401.01599	0.13153	ug/L	08/18/10	23:11	
PBW 177399	Cd	-0.22002	0.01253	-0.45258	149.47811	ug/L	08/18/10	23:11	
PBW 177399	Co	0.16697	0.48357	-0.14963	268.15951	ug/L	08/18/10	23:11	
PBW 177399	Cr	0.74654	1.09162	0.40146	65.37068	ug/L	08/18/10	23:11	
PBW 177399	Cu	1.64316	2.13177	1.15455	42.05318	ug/L	08/18/10	23:11	
PBW 177399	Fe	51.69374	55.83843	47.54904	11.33886	ug/L	08/18/10	23:11	
PBW 177399	2Fe	0.05168	0.05583	0.04754	11.33922	mg/L	08/18/10	23:11	
PBW 177399	K	23.76891	24.90361	22.63421	6.75127	ug/L	08/18/10	23:11	
PBW 177399	Mg	9.98343	10.00450	9.96237	0.29838	ug/L	08/18/10	23:11	
PBW 177399	2Mg	0.00997	0.00999	0.00995	0.28816	mg/L	08/18/10	23:11	
PBW 177399	Mn	0.88447	0.86151	0.90742	3.67015	ug/L	08/18/10	23:11	
PBW 177399	Mo	-1.52645	-1.61756	-1.43535	8.44087	ug/L	08/18/10	23:11	
PBW 177399	Na	204.05192	185.89337	222.21047	12.58506	ug/L	08/18/10	23:11	
PBW 177399	Ni	-0.37860	-0.69088	-0.06631	116.64994	ug/L	08/18/10	23:11	
PBW 177399	Pb	2.93394	2.81012	3.05776	5.96815	ug/L	08/18/10	23:11	
PBW 177399	Se	1.26941	2.30815	0.23066	115.72376	ug/L	08/18/10	23:11	
PBW 177399	Sb	-5.93572	-1.29830	-10.57313	110.48854	ug/L	08/18/10	23:11	
PBW 177399	Sn	18.92529	21.02519	16.82539	15.69171	ug/L	08/18/10	23:11	
PBW 177399	Sr	5.26808	5.30731	5.22885	1.05311	ug/L	08/18/10	23:11	
PBW 177399	Ti	0.37878	0.56860	0.18896	70.87120	ug/L	08/18/10	23:11	
PBW 177399	Tl	1.15595	2.82271	-0.51080	203.91404	ug/L	08/18/10	23:11	
PBW 177399	V	0.49320	0.84494	0.14147	100.85485	ug/L	08/18/10	23:11	
PBW 177399	Zn	10.78922	10.81266	10.76578	0.30724	ug/L	08/18/10	23:11	
PBW 177399	2203/1	1.96102	1.93857	1.98347	1.61900	ug/L	08/18/10	23:11	
PBW 177399	2203/2	3.41967	3.24525	3.59410	7.21329	ug/L	08/18/10	23:11	
PBW 177399	1960/1	-2.48342	-2.60738	-2.35947	7.05879	ug/L	08/18/10	23:11	
PBW 177399	1960/2	3.14301	4.76224	1.52379	72.85777	ug/L	08/18/10	23:11	
PBW 177399	Y	965.50646	963.51989	967.49298	0.29097		08/18/10	23:11	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSS-1	Ag	52.59535	52.46389	52.72681	0.35347	ug/L	08/18/10	23:17	
LCSS-1	Al	2098.87377	2095.11596	2102.63159	0.25320	ug/L	08/18/10	23:17	
LCSS-1	2Al	2.09894	2.09506	2.10282	0.26140	mg/L	08/18/10	23:17	
LCSS-1	As	2055.86523	2058.74438	2052.98583	0.19806	ug/L	08/18/10	23:17	
LCSS-1	B	1000.30212	998.19543	1002.40887	0.29784	ug/L	08/18/10	23:17	
LCSS-1	Ba	2120.27978	2116.74121	2123.81835	0.23602	ug/L	08/18/10	23:17	
LCSS-1	Be	51.90627	51.91801	51.89453	0.03197	ug/L	08/18/10	23:17	
LCSS-1	Ca	5400.48242	5403.96093	5397.00390	0.09109	ug/L	08/18/10	23:17	
LCSS-1	Cd	51.05323	50.96397	51.14250	0.24726	ug/L	08/18/10	23:17	
LCSS-1	Co	529.48681	530.81323	528.16033	0.35428	ug/L	08/18/10	23:17	
LCSS-1	Cr	211.51263	211.99673	211.02854	0.32367	ug/L	08/18/10	23:17	
LCSS-1	Cu	263.21704	262.90344	263.53060	0.16848	ug/L	08/18/10	23:17	
LCSS-1	Fe	1069.05029	1059.35095	1078.74951	1.28308	ug/L	08/18/10	23:17	
LCSS-1	2Fe	1.06913	1.05944	1.07883	1.28277	mg/L	08/18/10	23:17	
LCSS-1	K	5008.95410	5014.44042	5003.46777	0.15489	ug/L	08/18/10	23:17	
LCSS-1	Mg	5336.80957	5339.50292	5334.11621	0.07137	ug/L	08/18/10	23:17	
LCSS-1	2Mg	5.33536	5.33805	5.33266	0.07141	mg/L	08/18/10	23:17	
LCSS-1	Mn	535.96032	535.84490	536.07574	0.03045	ug/L	08/18/10	23:17	
LCSS-1	Mo	506.68811	504.85537	508.52087	0.51153	ug/L	08/18/10	23:17	
LCSS-1	Na	5190.92480	5165.47460	5216.37451	0.69335	ug/L	08/18/10	23:17	
LCSS-1	Ni	522.65100	523.06140	522.24066	0.11103	ug/L	08/18/10	23:17	
LCSS-1	Pb	525.88146	525.00970	526.75329	0.23444	ug/L	08/18/10	23:17	
LCSS-1	Se	2035.43798	2030.67517	2040.20080	0.33091	ug/L	08/18/10	23:17	
LCSS-1	Sb	508.81756	507.92068	509.71444	0.24928	ug/L	08/18/10	23:17	
LCSS-1	Sn	1064.30322	1066.02062	1062.58593	0.22819	ug/L	08/18/10	23:17	
LCSS-1	Sr	513.20245	512.68109	513.72381	0.14366	ug/L	08/18/10	23:17	
LCSS-1	Ti	724.19342	723.73278	724.65405	0.08995	ug/L	08/18/10	23:17	
LCSS-1	Tl	2116.42675	2114.29907	2118.55468	0.14218	ug/L	08/18/10	23:17	
LCSS-1	V	543.84533	543.13903	544.55163	0.18366	ug/L	08/18/10	23:17	
LCSS-1	Zn	538.32250	538.32476	538.32019	0.00060	ug/L	08/18/10	23:17	
LCSS-1	2203/1	537.49267	537.35125	537.63409	0.03720	ug/L	08/18/10	23:17	
LCSS-1	2203/2	520.08459	518.84814	521.32104	0.33621	ug/L	08/18/10	23:17	
LCSS-1	1960/1	2093.61499	2090.17016	2097.05981	0.23269	ug/L	08/18/10	23:17	
LCSS-1	1960/2	2006.39233	2000.97155	2011.81323	0.38208	ug/L	08/18/10	23:17	
LCSS-1	Y	962.81768	964.13562	961.49975	0.19358		08/18/10	23:17	
60144-1	Ag	1.24572	1.86916	0.62227	70.77697	ug/L	08/18/10	23:22	
60144-1	Al	99387.54687	99365.54687	99409.54687	0.03130	ug/L	08/18/10	23:22	
60144-1	2Al	99.39108	99.37173	99.41043	0.02753	mg/L	08/18/10	23:22	
60144-1	As	38.27205	37.65145	38.89265	2.29320	ug/L	08/18/10	23:22	
60144-1	B	313.31915	314.10714	312.53118	0.35566	ug/L	08/18/10	23:22	
60144-1	Ba	448.66912	448.05938	449.27883	0.19218	ug/L	08/18/10	23:22	
60144-1	Be	6.74013	6.73606	6.74421	0.08554	ug/L	08/18/10	23:22	
60144-1	Ca	1013233.00000	1012141.50000	1014324.50000	0.15234	ug/L	08/18/10	23:22	
60144-1	Cd	3.42923	3.63280	3.22565	8.39541	ug/L	08/18/10	23:22	
60144-1	Co	32.14382	32.46263	31.82501	1.40265	ug/L	08/18/10	23:22	
60144-1	Cr	349.38208	348.62213	350.14205	0.30761	ug/L	08/18/10	23:22	
60144-1	Cu	60.00173	60.11127	59.89220	0.25816	ug/L	08/18/10	23:22	
60144-1	Fe	141963.45312	141808.43750	142118.46875	0.15442	ug/L	08/18/10	23:22	
60144-1	2Fe	141.93830	141.78729	142.08932	0.15046	mg/L	08/18/10	23:22	
60144-1	K	48963.14062	49014.61718	48911.66406	0.14868	ug/L	08/18/10	23:22	
60144-1	Mg	32044.34960	32006.59765	32082.10156	0.16661	ug/L	08/18/10	23:22	
60144-1	2Mg	32.01095	31.97323	32.04867	0.16662	mg/L	08/18/10	23:22	
60144-1	Mn	1329.30249	1328.45019	1330.15466	0.09066	ug/L	08/18/10	23:22	
60144-1	Mo	1.84490	3.77525	-0.08544	147.97106	ug/L	08/18/10	23:22	
60144-1	Na	1583.86450	1508.38427	1659.34460	6.73953	ug/L	08/18/10	23:22	
60144-1	Ni	81.96603	81.41426	82.51779	0.95199	ug/L	08/18/10	23:22	
60144-1	Pb	160.48275	160.10293	160.86259	0.33471	ug/L	08/18/10	23:22	
60144-1	Se	1.91135	3.17655	0.64616	93.61142	ug/L	08/18/10	23:22	
60144-1	Sb	-1.17121	-0.52563	-1.81679	77.95263	ug/L	08/18/10	23:22	
60144-1	Sn	17.35334	19.94939	14.75729	21.15654	ug/L	08/18/10	23:22	
60144-1	Sr	902.05395	899.73791	904.37005	0.36310	ug/L	08/18/10	23:22	
60144-1	Ti	635.10736	633.61614	636.59857	0.33205	ug/L	08/18/10	23:22	
60144-1	Tl	-6.73447	-13.90147	0.43253	150.50437	ug/L	08/18/10	23:22	
60144-1	V	248.03463	247.68054	248.38871	0.20188	ug/L	08/18/10	23:22	
60144-1	Zn	405.43511	405.40457	405.46569	0.01066	ug/L	08/18/10	23:22	
60144-1	2203/1	163.21862	160.88104	165.55619	2.02540	ug/L	08/18/10	23:22	
60144-1	2203/2	159.11688	159.71446	158.51930	0.53112	ug/L	08/18/10	23:22	
60144-1	1960/1	0.40211	0.47172	0.33251	24.47833	ug/L	08/18/10	23:22	
60144-1	1960/2	2.66484	4.52693	0.80275	98.81961	ug/L	08/18/10	23:22	
60144-1	Y	974.57812	975.27557	973.88067	0.10120		08/18/10	23:22	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60144-1S	Ag	51.20652	51.35247	51.06057	0.40307	ug/L	08/18/10	23:27	
60144-1S	Al	106737.00000	106636.77343	106837.21875	0.13279	ug/L	08/18/10	23:27	
60144-1S	2Al	106.74234	106.63935	106.84531	0.13643	mg/L	08/18/10	23:27	
60144-1S	As	1945.00732	1946.98828	1943.02648	0.14403	ug/L	08/18/10	23:27	
60144-1S	B	1277.21875	1276.92358	1277.51403	0.03268	ug/L	08/18/10	23:27	
60144-1S	Ba	2317.89208	2318.91967	2316.86474	0.06268	ug/L	08/18/10	23:27	
60144-1S	Be	53.23186	53.25433	53.20938	0.05971	ug/L	08/18/10	23:27	
60144-1S	Ca	914094.50000	914124.87500	914064.12500	0.00469	ug/L	08/18/10	23:27	
60144-1S	Cd	47.46430	47.78233	47.14627	0.94758	ug/L	08/18/10	23:27	
60144-1S	Co	492.64349	493.59313	491.69381	0.27261	ug/L	08/18/10	23:27	
60144-1S	Cr	547.17028	546.68103	547.65954	0.12645	ug/L	08/18/10	23:27	
60144-1S	Cu	302.07553	302.27621	301.87484	0.09395	ug/L	08/18/10	23:27	
60144-1S	Fe	144759.96875	144656.25000	144863.70312	0.10133	ug/L	08/18/10	23:27	
60144-1S	2Fe	144.73629	144.62863	144.84396	0.10520	mg/L	08/18/10	23:27	
60144-1S	K	55451.79687	55473.16406	55430.42578	0.05449	ug/L	08/18/10	23:27	
60144-1S	Mg	37205.94531	37193.14062	37218.74609	0.04866	ug/L	08/18/10	23:27	
60144-1S	2Mg	37.17078	37.15800	37.18356	0.04862	mg/L	08/18/10	23:27	
60144-1S	Mn	1738.95288	1739.04553	1738.86022	0.00753	ug/L	08/18/10	23:27	
60144-1S	Mo	452.88189	450.14410	455.61968	0.85493	ug/L	08/18/10	23:27	
60144-1S	Na	6620.73681	6503.26025	6738.21337	2.50934	ug/L	08/18/10	23:27	
60144-1S	Ni	532.57434	534.09301	531.05572	0.40326	ug/L	08/18/10	23:27	
60144-1S	Pb	630.79199	628.62445	632.95953	0.48595	ug/L	08/18/10	23:27	
60144-1S	Se	1903.01196	1898.27758	1907.74633	0.35183	ug/L	08/18/10	23:27	
60144-1S	Sb	376.55148	379.17233	373.93063	0.98431	ug/L	08/18/10	23:27	
60144-1S	Sn	981.40667	977.74865	985.06469	0.52712	ug/L	08/18/10	23:27	
60144-1S	Sr	1297.63232	1298.95556	1296.30920	0.14420	ug/L	08/18/10	23:27	
60144-1S	Ti	1236.91638	1236.43981	1237.39294	0.05448	ug/L	08/18/10	23:27	
60144-1S	Tl	1915.81640	1910.77648	1920.85620	0.37203	ug/L	08/18/10	23:27	
60144-1S	V	739.32763	739.67413	738.98107	0.06628	ug/L	08/18/10	23:27	
60144-1S	Zn	862.39764	862.55255	862.24273	0.02540	ug/L	08/18/10	23:27	
60144-1S	2203/1	641.27661	638.43829	644.11486	0.62593	ug/L	08/18/10	23:27	
60144-1S	2203/2	625.55755	623.72491	627.39019	0.41430	ug/L	08/18/10	23:27	
60144-1S	1960/1	1965.76806	1968.00952	1963.52661	0.16125	ug/L	08/18/10	23:27	
60144-1S	1960/2	1871.68103	1863.46398	1879.89807	0.62086	ug/L	08/18/10	23:27	
60144-1S	Y	979.47473	980.65313	978.29626	0.17014		08/18/10	23:27	
60144-1SD	Ag	51.55586	51.72070	51.39102	0.45216	ug/L	08/18/10	23:33	
60144-1SD	Al	104992.84375	105046.83593	104938.85937	0.07272	ug/L	08/18/10	23:33	
60144-1SD	2Al	104.99720	105.05477	104.93964	0.07753	mg/L	08/18/10	23:33	
60144-1SD	As	1944.92492	1945.16748	1944.68237	0.01763	ug/L	08/18/10	23:33	
60144-1SD	B	1249.30419	1247.67175	1250.93676	0.18479	ug/L	08/18/10	23:33	
60144-1SD	Ba	2335.82519	2338.30004	2333.35058	0.14983	ug/L	08/18/10	23:33	
60144-1SD	Be	52.90919	52.95906	52.85932	0.13330	ug/L	08/18/10	23:33	
60144-1SD	Ca	920858.56250	921231.25000	920485.87500	0.05723	ug/L	08/18/10	23:33	
60144-1SD	Cd	47.63576	47.60162	47.66991	0.10136	ug/L	08/18/10	23:33	
60144-1SD	Co	493.17492	494.10079	492.24905	0.26550	ug/L	08/18/10	23:33	
60144-1SD	Cr	535.27307	535.90771	534.63848	0.16766	ug/L	08/18/10	23:33	
60144-1SD	Cu	305.71459	306.02172	305.40747	0.14207	ug/L	08/18/10	23:33	
60144-1SD	Fe	140046.57812	140211.90625	139881.25000	0.16695	ug/L	08/18/10	23:33	
60144-1SD	2Fe	140.02273	140.19277	139.85269	0.17174	mg/L	08/18/10	23:33	
60144-1SD	K	53758.10546	53844.47265	53671.73828	0.22720	ug/L	08/18/10	23:33	
60144-1SD	Mg	36211.21093	36243.36328	36179.05859	0.12556	ug/L	08/18/10	23:33	
60144-1SD	2Mg	36.17720	36.20931	36.14508	0.12554	mg/L	08/18/10	23:33	
60144-1SD	Mn	1816.17407	1817.97326	1814.37475	0.14010	ug/L	08/18/10	23:33	
60144-1SD	Mo	435.82275	433.74899	437.89648	0.67291	ug/L	08/18/10	23:33	
60144-1SD	Na	6592.12304	6713.31982	6470.92578	2.60004	ug/L	08/18/10	23:33	
60144-1SD	Ni	528.17407	527.23242	529.11578	0.25213	ug/L	08/18/10	23:33	
60144-1SD	Pb	645.71844	645.71917	645.71771	0.00016	ug/L	08/18/10	23:33	
60144-1SD	Se	1899.56665	1907.67944	1891.45385	0.60399	ug/L	08/18/10	23:33	
60144-1SD	Sb	279.65765	281.96661	277.34872	1.16762	ug/L	08/18/10	23:33	
60144-1SD	Sn	982.43426	984.52038	980.34814	0.30029	ug/L	08/18/10	23:33	
60144-1SD	Sr	1307.47070	1308.71325	1306.22802	0.13440	ug/L	08/18/10	23:33	
60144-1SD	Ti	1094.90954	1095.72863	1094.09045	0.10579	ug/L	08/18/10	23:33	
60144-1SD	Tl	1920.98547	1922.12426	1919.84667	0.08383	ug/L	08/18/10	23:33	
60144-1SD	V	726.56628	727.33386	725.79870	0.14940	ug/L	08/18/10	23:33	
60144-1SD	Zn	873.84594	874.76922	872.92260	0.14942	ug/L	08/18/10	23:33	
60144-1SD	2203/1	657.18115	656.12683	658.23553	0.22689	ug/L	08/18/10	23:33	
60144-1SD	2203/2	639.99572	640.52319	639.46820	0.11656	ug/L	08/18/10	23:33	
60144-1SD	1960/1	1956.88342	1971.59790	1942.16894	1.06339	ug/L	08/18/10	23:33	
60144-1SD	1960/2	1870.95129	1875.76818	1866.13439	0.36409	ug/L	08/18/10	23:33	
60144-1SD	Y	984.12115	983.77966	984.46264	0.04907		08/18/10	23:33	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60144-2	Ag	1.43606	1.21876	1.65336	21.39925	ug/L	08/18/10	23:38	
60144-2	Al	80549.69531	79882.10156	81217.28906	1.17209	ug/L	08/18/10	23:38	
60144-2	2Al	80.55273	79.88645	81.21901	1.16975	mg/L	08/18/10	23:38	
60144-2	As	57.30591	58.28565	56.32617	2.41783	ug/L	08/18/10	23:38	
60144-2	B	278.59558	276.41098	280.78018	1.10895	ug/L	08/18/10	23:38	
60144-2	Ba	419.90582	416.43835	423.37332	1.16782	ug/L	08/18/10	23:38	
60144-2	Be	5.79219	5.76566	5.81872	0.64777	ug/L	08/18/10	23:38	
60144-2	Ca	1994483.50000	1976500.25000	2012466.75000	1.27512	ug/L	08/18/10	23:38	
60144-2	Cd	9.34993	9.15914	9.54072	2.88575	ug/L	08/18/10	23:38	
60144-2	Co	44.71466	44.10092	45.32840	1.94109	ug/L	08/18/10	23:38	
60144-2	Cr	297.45935	294.77853	300.14019	1.27455	ug/L	08/18/10	23:38	
60144-2	Cu	85.40470	84.88343	85.92598	0.86317	ug/L	08/18/10	23:38	
60144-2	Fe	126577.84375	125496.37500	127659.31250	1.20829	ug/L	08/18/10	23:38	
60144-2	2Fe	126.55538	125.47571	127.63504	1.20649	mg/L	08/18/10	23:38	
60144-2	K	48678.26562	48334.59375	49021.93750	0.99844	ug/L	08/18/10	23:38	
60144-2	Mg	29224.70507	28973.69531	29475.71484	1.21466	ug/L	08/18/10	23:38	
60144-2	2Mg	29.19503	28.94428	29.44579	1.21466	mg/L	08/18/10	23:38	
60144-2	Mn	1822.86157	1807.75585	1837.96728	1.17193	ug/L	08/18/10	23:38	
60144-2	Mo	1.11895	-0.26262	2.50054	174.61381	ug/L	08/18/10	23:38	
60144-2	Na	2392.74145	2449.08276	2336.40014	3.33001	ug/L	08/18/10	23:38	
60144-2	Ni	82.08068	81.75713	82.40424	0.55747	ug/L	08/18/10	23:38	
60144-2	Pb	167.25556	166.27073	168.24040	0.83271	ug/L	08/18/10	23:38	
60144-2	Se	-0.21248	0.05340	-0.47837	176.96524	ug/L	08/18/10	23:38	
60144-2	Sb	1.98631	1.23171	2.74092	53.72601	ug/L	08/18/10	23:38	
60144-2	Sn	22.70620	22.05745	23.35495	4.04061	ug/L	08/18/10	23:38	
60144-2	Sr	1260.42761	1252.22485	1268.63037	0.92035	ug/L	08/18/10	23:38	
60144-2	Ti	552.76489	547.85772	557.67199	1.25545	ug/L	08/18/10	23:38	
60144-2	Tl	2.23075	-0.36298	4.82449	164.43289	ug/L	08/18/10	23:38	
60144-2	V	264.38104	262.34097	266.42108	1.09125	ug/L	08/18/10	23:38	
60144-2	Zn	300.67156	297.97268	303.37042	1.26941	ug/L	08/18/10	23:38	
60144-2	2203/1	168.52885	167.27964	169.77806	1.04827	ug/L	08/18/10	23:38	
60144-2	2203/2	166.61988	165.76704	167.47273	0.72386	ug/L	08/18/10	23:38	
60144-2	1960/1	-5.53513	-6.53971	-4.53055	25.66683	ug/L	08/18/10	23:38	
60144-2	1960/2	2.44485	3.34502	1.54468	52.06994	ug/L	08/18/10	23:38	
60144-2	Y	964.13562	971.42755	956.84362	1.06959		08/18/10	23:38	
60144-3	Ag	3.43852	2.98962	3.88741	18.46237	ug/L	08/18/10	23:43	
60144-3	Al	132935.01562	132979.98437	132890.04687	0.04783	ug/L	08/18/10	23:43	
60144-3	2Al	132.93717	132.98115	132.89320	0.04678	mg/L	08/18/10	23:43	
60144-3	As	45.18710	40.93523	49.43896	13.30700	ug/L	08/18/10	23:43	
60144-3	B	237.11990	236.99485	237.24496	0.07458	ug/L	08/18/10	23:43	
60144-3	Ba	711.49792	711.71343	711.28247	0.04283	ug/L	08/18/10	23:43	
60144-3	Be	7.07382	7.09007	7.05756	0.32491	ug/L	08/18/10	23:43	
60144-3	Ca	1143740.00000	1147123.75000	1140356.12500	0.41840	ug/L	08/18/10	23:43	
60144-3	Cd	5.49721	5.21312	5.78129	7.30833	ug/L	08/18/10	23:43	
60144-3	Co	46.14873	46.42694	45.87052	0.85255	ug/L	08/18/10	23:43	
60144-3	Cr	306.82095	307.41421	306.22769	0.27344	ug/L	08/18/10	23:43	
60144-3	Cu	87.44445	87.75881	87.13009	0.50840	ug/L	08/18/10	23:43	
60144-3	Fe	149359.37500	149453.57812	149265.17187	0.08919	ug/L	08/18/10	23:43	
60144-3	2Fe	149.32992	149.42327	149.23655	0.08841	mg/L	08/18/10	23:43	
60144-3	K	47387.32812	47404.22656	47370.42578	0.05043	ug/L	08/18/10	23:43	
60144-3	Mg	37466.29687	37501.44140	37431.14843	0.13266	ug/L	08/18/10	23:43	
60144-3	2Mg	37.43037	37.46549	37.39524	0.13269	mg/L	08/18/10	23:43	
60144-3	Mn	1980.71044	1983.03100	1978.39001	0.16568	ug/L	08/18/10	23:43	
60144-3	Mo	1.85798	0.67320	3.04277	90.18052	ug/L	08/18/10	23:43	
60144-3	Na	1628.34033	1781.15600	1475.52478	13.27203	ug/L	08/18/10	23:43	
60144-3	Ni	102.98120	102.91316	103.04924	0.09343	ug/L	08/18/10	23:43	
60144-3	Pb	289.21041	291.13998	287.28085	0.94354	ug/L	08/18/10	23:43	
60144-3	Se	5.16055	6.60707	3.71404	39.64073	ug/L	08/18/10	23:43	
60144-3	Sb	-0.35817	0.78699	-1.50334	452.15783	ug/L	08/18/10	23:43	
60144-3	Sn	17.88738	20.70698	15.06777	22.29236	ug/L	08/18/10	23:43	
60144-3	Sr	1122.25976	1126.18750	1118.33203	0.49495	ug/L	08/18/10	23:43	
60144-3	Ti	551.26983	551.81799	550.72167	0.14062	ug/L	08/18/10	23:43	
60144-3	Tl	2.74564	6.30189	-0.81060	183.17376	ug/L	08/18/10	23:43	
60144-3	V	300.98303	301.08343	300.88259	0.04718	ug/L	08/18/10	23:43	
60144-3	Zn	504.56884	505.29052	503.84716	0.20227	ug/L	08/18/10	23:43	
60144-3	2203/1	292.43499	293.11853	291.75149	0.33054	ug/L	08/18/10	23:43	
60144-3	2203/2	287.60052	290.15219	285.04885	1.25472	ug/L	08/18/10	23:43	
60144-3	1960/1	-0.18536	2.77030	-3.14103	2254.98242	ug/L	08/18/10	23:43	
60144-3	1960/2	7.82950	8.52258	7.13643	12.51866	ug/L	08/18/10	23:43	
60144-3	Y	956.72338	955.05432	958.39245	0.24671		08/18/10	23:43	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60144-4	Ag	0.85487	0.79552	0.91422	9.81776	ug/L	08/18/10	23:49	
60144-4	Al	67854.71093	67807.14843	67902.27343	0.09912	ug/L	08/18/10	23:49	
60144-4	2Al	67.85633	67.80664	67.90602	0.10356	mg/L	08/18/10	23:49	
60144-4	As	46.70215	46.07996	47.32434	1.88409	ug/L	08/18/10	23:49	
60144-4	B	173.38702	173.21362	173.56042	0.14143	ug/L	08/18/10	23:49	
60144-4	Ba	410.74377	410.62286	410.86465	0.04162	ug/L	08/18/10	23:49	
60144-4	Be	4.52913	4.52628	4.53197	0.08892	ug/L	08/18/10	23:49	
60144-4	Ca	1390219.00000	1388985.50000	1391452.50000	0.12547	ug/L	08/18/10	23:49	
60144-4	Cd	2.41706	2.79487	2.03926	22.10495	ug/L	08/18/10	23:49	
60144-4	Co	31.79246	31.99408	31.59084	0.89684	ug/L	08/18/10	23:49	
60144-4	Cr	188.28923	187.89913	188.67932	0.29299	ug/L	08/18/10	23:49	
60144-4	Cu	55.67271	55.95846	55.38697	0.72586	ug/L	08/18/10	23:49	
60144-4	Fe	99426.96093	99372.84375	99481.07812	0.07697	ug/L	08/18/10	23:49	
60144-4	2Fe	99.40810	99.35086	99.46533	0.08142	mg/L	08/18/10	23:49	
60144-4	K	30105.59179	30105.99609	30105.18750	0.00189	ug/L	08/18/10	23:49	
60144-4	Mg	23585.76171	23567.55664	23603.96875	0.10916	ug/L	08/18/10	23:49	
60144-4	2Mg	23.56232	23.54413	23.58052	0.10919	mg/L	08/18/10	23:49	
60144-4	Mn	1535.02990	1533.80529	1536.25451	0.11282	ug/L	08/18/10	23:49	
60144-4	Mo	1.44572	1.48382	1.40761	3.72754	ug/L	08/18/10	23:49	
60144-4	Na	2357.18945	2261.52197	2452.85717	5.73964	ug/L	08/18/10	23:49	
60144-4	Ni	65.11067	64.91734	65.30399	0.41990	ug/L	08/18/10	23:49	
60144-4	Pb	98.87330	99.00730	98.73930	0.19166	ug/L	08/18/10	23:49	
60144-4	Se	2.66344	2.83109	2.49580	8.90162	ug/L	08/18/10	23:49	
60144-4	Sb	-2.04888	-2.46031	-1.63745	28.39865	ug/L	08/18/10	23:49	
60144-4	Sn	18.22479	19.02517	17.42440	6.21084	ug/L	08/18/10	23:49	
60144-4	Sr	1303.39965	1303.38977	1303.40954	0.00107	ug/L	08/18/10	23:49	
60144-4	Ti	389.04254	388.79077	389.29434	0.09152	ug/L	08/18/10	23:49	
60144-4	Tl	-6.72150	-2.17374	-11.26926	95.68547	ug/L	08/18/10	23:49	
60144-4	V	225.64724	225.79397	225.50050	0.09196	ug/L	08/18/10	23:49	
60144-4	Zn	282.08905	281.66802	282.51004	0.21106	ug/L	08/18/10	23:49	
60144-4	2203/1	99.28160	100.52997	98.03322	1.77824	ug/L	08/18/10	23:49	
60144-4	2203/2	98.66945	98.24710	99.09181	0.60535	ug/L	08/18/10	23:49	
60144-4	1960/1	-1.38063	-3.87995	1.11869	256.01156	ug/L	08/18/10	23:49	
60144-4	1960/2	4.68245	6.18159	3.18332	45.27741	ug/L	08/18/10	23:49	
60144-4	Y	988.86865	991.06201	986.67529	0.31367		08/18/10	23:49	
60144-5	Ag	1.29475	1.11230	1.47720	19.92863	ug/L	08/18/10	23:54	
60144-5	Al	152258.15625	152323.23437	152193.09375	0.06043	ug/L	08/18/10	23:54	
60144-5	2Al	152.26971	152.33578	152.20364	0.06136	mg/L	08/18/10	23:54	
60144-5	As	52.74149	55.24987	50.23311	6.72598	ug/L	08/18/10	23:54	
60144-5	B	166.91156	168.20606	165.61705	1.09681	ug/L	08/18/10	23:54	
60144-5	Ba	699.19165	699.38104	699.00225	0.03830	ug/L	08/18/10	23:54	
60144-5	Be	6.59009	6.59691	6.58328	0.14630	ug/L	08/18/10	23:54	
60144-5	Ca	1098030.25000	1098336.62500	1097723.87500	0.03945	ug/L	08/18/10	23:54	
60144-5	Cd	3.20653	3.19939	3.21367	0.31491	ug/L	08/18/10	23:54	
60144-5	Co	42.33731	41.92122	42.75340	1.38989	ug/L	08/18/10	23:54	
60144-5	Cr	222.62829	223.11752	222.13906	0.31077	ug/L	08/18/10	23:54	
60144-5	Cu	65.28605	65.14101	65.43110	0.31419	ug/L	08/18/10	23:54	
60144-5	Fe	159515.89062	159526.89062	159504.89062	0.00975	ug/L	08/18/10	23:54	
60144-5	2Fe	159.49325	159.50506	159.48144	0.01047	mg/L	08/18/10	23:54	
60144-5	K	45515.60156	45531.80468	45499.40234	0.05033	ug/L	08/18/10	23:54	
60144-5	Mg	38445.12500	38446.85937	38443.39062	0.00637	ug/L	08/18/10	23:54	
60144-5	2Mg	38.40724	38.40897	38.40550	0.00638	mg/L	08/18/10	23:54	
60144-5	Mn	2219.44238	2219.69360	2219.19140	0.01599	ug/L	08/18/10	23:54	
60144-5	Mo	0.49670	-0.79212	1.78553	366.95364	ug/L	08/18/10	23:54	
60144-5	Na	1401.61865	1373.48779	1429.74951	2.83836	ug/L	08/18/10	23:54	
60144-5	Ni	106.75224	105.69481	107.80967	1.40084	ug/L	08/18/10	23:54	
60144-5	Pb	93.48564	92.91393	94.05736	0.86486	ug/L	08/18/10	23:54	
60144-5	Se	2.98063	2.13975	3.82151	39.89703	ug/L	08/18/10	23:54	
60144-5	Sb	1.36155	0.25202	2.47107	115.24362	ug/L	08/18/10	23:54	
60144-5	Sn	16.06652	15.85232	16.28072	1.88543	ug/L	08/18/10	23:54	
60144-5	Sr	1042.91503	1042.28356	1043.54638	0.08562	ug/L	08/18/10	23:54	
60144-5	Ti	640.71545	640.59606	640.83489	0.02635	ug/L	08/18/10	23:54	
60144-5	Tl	-2.39694	-0.45227	-4.34162	114.73713	ug/L	08/18/10	23:54	
60144-5	V	362.65441	362.67330	362.63555	0.00736	ug/L	08/18/10	23:54	
60144-5	Zn	364.35003	363.74508	364.95498	0.23480	ug/L	08/18/10	23:54	
60144-5	2203/1	93.92015	92.49079	95.34950	2.15226	ug/L	08/18/10	23:54	
60144-5	2203/2	93.26872	93.12518	93.41226	0.21764	ug/L	08/18/10	23:54	
60144-5	1960/1	0.53099	1.82659	-0.76461	345.06314	ug/L	08/18/10	23:54	
60144-5	1960/2	4.20361	2.29609	6.11113	64.17430	ug/L	08/18/10	23:54	
60144-5	Y	951.28332	951.05242	951.51416	0.03432		08/18/10	23:54	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60144-6	Ag	0.47354	0.50333	0.44374	8.89953	ug/L	08/18/10	23:59	
60144-6	Al	111900.46875	111840.46093	111960.48437	0.07584	ug/L	08/18/10	23:59	
60144-6	2Al	111.89859	111.83730	111.95988	0.07746	mg/L	08/18/10	23:59	
60144-6	As	41.68527	41.55530	41.81525	0.44095	ug/L	08/18/10	23:59	
60144-6	B	275.89501	274.66381	277.12625	0.63111	ug/L	08/18/10	23:59	
60144-6	Ba	487.04840	486.69378	487.40298	0.10296	ug/L	08/18/10	23:59	
60144-6	Be	6.58439	6.59544	6.57333	0.23748	ug/L	08/18/10	23:59	
60144-6	Ca	1510430.00000	1509054.25000	1511805.75000	0.12881	ug/L	08/18/10	23:59	
60144-6	Cd	3.85759	3.57472	4.14047	10.37045	ug/L	08/18/10	23:59	
60144-6	Co	39.42005	39.11443	39.72568	1.09644	ug/L	08/18/10	23:59	
60144-6	Cr	298.01147	297.47750	298.54547	0.25340	ug/L	08/18/10	23:59	
60144-6	Cu	59.36923	59.43030	59.30815	0.14548	ug/L	08/18/10	23:59	
60144-6	Fe	162648.48437	162260.23437	163036.73437	0.33757	ug/L	08/18/10	23:59	
60144-6	2Fe	162.61039	162.22067	163.00012	0.33894	mg/L	08/18/10	23:59	
60144-6	K	48874.41796	48864.79687	48884.03906	0.02783	ug/L	08/18/10	23:59	
60144-6	Mg	35326.09375	35240.26953	35411.91796	0.34358	ug/L	08/18/10	23:59	
60144-6	2Mg	35.28890	35.20316	35.37463	0.34357	mg/L	08/18/10	23:59	
60144-6	Mn	2997.41015	2992.67163	3002.14843	0.22356	ug/L	08/18/10	23:59	
60144-6	Mo	2.56550	1.69780	3.43320	47.83130	ug/L	08/18/10	23:59	
60144-6	Na	2182.18017	2202.77807	2161.58227	1.33489	ug/L	08/18/10	23:59	
60144-6	Ni	90.42793	90.51567	90.34019	0.13722	ug/L	08/18/10	23:59	
60144-6	Pb	85.04386	84.50383	85.58390	0.89803	ug/L	08/18/10	23:59	
60144-6	Se	2.36600	-1.50629	6.23830	231.45629	ug/L	08/18/10	23:59	
60144-6	Sb	1.89123	2.50472	1.27775	45.87436	ug/L	08/18/10	23:59	
60144-6	Sn	17.55776	16.03609	19.07942	12.25643	ug/L	08/18/10	23:59	
60144-6	Sr	1338.78649	1335.65039	1341.92260	0.33127	ug/L	08/18/10	23:59	
60144-6	Ti	696.11328	695.13677	697.08972	0.19837	ug/L	08/18/10	23:59	
60144-6	Tl	-5.63790	-8.32970	-2.94609	67.52133	ug/L	08/18/10	23:59	
60144-6	V	280.41503	280.51489	280.31521	0.05035	ug/L	08/18/10	23:59	
60144-6	Zn	365.10040	364.79458	365.40625	0.11846	ug/L	08/18/10	23:59	
60144-6	2203/1	87.11199	86.71195	87.51203	0.64944	ug/L	08/18/10	23:59	
60144-6	2203/2	84.01136	83.40143	84.62128	1.02672	ug/L	08/18/10	23:59	
60144-6	1960/1	-1.28301	-3.79954	1.23350	277.38531	ug/L	08/18/10	23:59	
60144-6	1960/2	4.18777	-0.36139	8.73695	153.62574	ug/L	08/18/10	23:59	
60144-6	Y	975.35253	978.95037	971.75463	0.52167		08/18/10	23:59	
CCV	Ag	486.75579	488.99395	484.51766	0.65026	ug/L	08/19/10	00:05	
CCV	Al	4925.49072	4939.25732	4911.72412	0.39526	ug/L	08/19/10	00:05	
CCV	2Al	4.92567	4.93943	4.91190	0.39524	mg/L	08/19/10	00:05	
CCV	As	489.00277	488.03317	489.97238	0.28041	ug/L	08/19/10	00:05	
CCV	B	4803.53710	4818.77294	4788.30078	0.44856	ug/L	08/19/10	00:05	
CCV	Ba	4882.53125	4901.07617	4863.98583	0.53715	ug/L	08/19/10	00:05	
CCV	Be	484.63366	486.93817	482.32916	0.67247	ug/L	08/19/10	00:05	
CCV	Ca	5188.30468	5105.45751	5271.15185	2.25822	ug/L	08/19/10	00:05	
CCV	Cd	480.05072	482.16641	477.93502	0.62327	ug/L	08/19/10	00:05	
CCV	Co	492.03741	494.15643	489.91839	0.60904	ug/L	08/19/10	00:05	
CCV	Cr	4881.78222	4898.96386	4864.60009	0.49774	ug/L	08/19/10	00:05	
CCV	Cu	4871.94726	4890.45898	4853.43554	0.53735	ug/L	08/19/10	00:05	
CCV	Fe	4898.87109	4912.73730	4885.00537	0.40028	ug/L	08/19/10	00:05	
CCV	2Fe	4.89889	4.91276	4.88502	0.40030	mg/L	08/19/10	00:05	
CCV	K	10161.16601	10203.51367	10118.81835	0.58938	ug/L	08/19/10	00:05	
CCV	Mg	5129.74218	5154.82519	5104.65869	0.69151	ug/L	08/19/10	00:05	
CCV	2Mg	5.12970	5.15479	5.10462	0.69152	mg/L	08/19/10	00:05	
CCV	Mn	4969.24023	4990.63183	4947.84912	0.60878	ug/L	08/19/10	00:05	
CCV	Mo	481.56573	480.42022	482.71121	0.33639	ug/L	08/19/10	00:05	
CCV	Na	7483.51855	7655.60156	7311.43505	3.25197	ug/L	08/19/10	00:05	
CCV	Ni	2460.92553	2469.10449	2452.74658	0.47001	ug/L	08/19/10	00:05	
CCV	Pb	498.02764	498.77041	497.28485	0.21092	ug/L	08/19/10	00:05	
CCV	Se	4863.92089	4871.38085	4856.46093	0.21690	ug/L	08/19/10	00:05	
CCV	Sb	482.24645	484.42822	480.06466	0.63981	ug/L	08/19/10	00:05	
CCV	Sn	5052.59423	5079.20605	5025.98242	0.74486	ug/L	08/19/10	00:05	
CCV	Sr	2380.14257	2393.80444	2366.48095	0.81174	ug/L	08/19/10	00:05	
CCV	Ti	488.08380	489.91235	486.25524	0.52981	ug/L	08/19/10	00:05	
CCV	Tl	4856.64843	4873.44335	4839.85400	0.48904	ug/L	08/19/10	00:05	
CCV	V	5120.54003	5143.92529	5097.15478	0.64586	ug/L	08/19/10	00:05	
CCV	Zn	2507.80590	2520.28906	2495.32275	0.70395	ug/L	08/19/10	00:05	
CCV	2203/1	512.01843	514.12420	509.91259	0.58163	ug/L	08/19/10	00:05	
CCV	2203/2	491.03799	491.10021	490.97576	0.01792	ug/L	08/19/10	00:05	
CCV	1960/1	4999.19140	5021.72753	4976.65527	0.63752	ug/L	08/19/10	00:05	
CCV	1960/2	4796.38671	4796.31982	4796.45361	0.00197	ug/L	08/19/10	00:05	
CCV	Y	981.50933	978.12310	984.89556	0.48790		08/19/10	00:05	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.92133	1.16094	0.68172	36.77929	ug/L	08/19/10	00:10	
CCB	Al	-38.05100	-39.30267	-36.79933	4.65198	ug/L	08/19/10	00:10	
CCB	2Al	-0.03805	-0.03930	-0.03680	4.65198	mg/L	08/19/10	00:10	
CCB	As	3.12711	1.28170	4.97253	83.45739	ug/L	08/19/10	00:10	
CCB	B	13.36858	15.58036	11.15680	23.39756	ug/L	08/19/10	00:10	
CCB	Ba	0.89245	0.15480	1.63010	116.89107	ug/L	08/19/10	00:10	
CCB	Be	0.23179	0.15455	0.30902	47.12437	ug/L	08/19/10	00:10	
CCB	Ca	34.13262	8.76646	59.49879	105.09935	ug/L	08/19/10	00:10	
CCB	Cd	0.01039	-0.00051	0.02130	148.37327	ug/L	08/19/10	00:10	
CCB	Co	0.19023	-0.06743	0.44791	191.55300	ug/L	08/19/10	00:10	
CCB	Cr	1.10793	0.57174	1.64411	68.44084	ug/L	08/19/10	00:10	
CCB	Cu	1.86902	1.26034	2.47770	46.05652	ug/L	08/19/10	00:10	
CCB	Fe	-18.25805	-15.04256	-21.47355	24.90625	ug/L	08/19/10	00:10	
CCB	2Fe	-0.01825	-0.01504	-0.02147	24.90596	mg/L	08/19/10	00:10	
CCB	K	-2.68225	1.87033	-7.23484	240.03456	ug/L	08/19/10	00:10	
CCB	Mg	0.00427	-0.00044	0.00900	156.13470	ug/L	08/19/10	00:10	
CCB	2Mg	0.00000	0.00000	0.00001	99.87097	mg/L	08/19/10	00:10	
CCB	Mn	0.99279	0.29168	1.69390	99.87097	ug/L	08/19/10	00:10	
CCB	Mo	-0.75774	-0.44051	-1.07497	59.20556	ug/L	08/19/10	00:10	
CCB	Na	-55.64750	-111.31996	0.02494	141.48475	ug/L	08/19/10	00:10	
CCB	Ni	0.03811	-0.16738	0.24361	762.48065	ug/L	08/19/10	00:10	
CCB	Pb	-0.04604	-0.31877	0.22668	837.61810	ug/L	08/19/10	00:10	
CCB	Se	1.44516	1.68171	1.20861	23.14863	ug/L	08/19/10	00:10	
CCB	Sb	-4.50805	-3.57089	-5.44520	29.39924	ug/L	08/19/10	00:10	
CCB	Sn	3.35977	2.44391	4.27562	38.55061	ug/L	08/19/10	00:10	
CCB	Sr	0.47450	0.10965	0.83935	108.74027	ug/L	08/19/10	00:10	
CCB	Ti	0.26780	0.37516	0.16044	56.69631	ug/L	08/19/10	00:10	
CCB	Tl	7.39684	4.57508	10.21859	53.94953	ug/L	08/19/10	00:10	
CCB	V	0.87058	1.04500	0.69615	28.33438	ug/L	08/19/10	00:10	
CCB	Zn	0.78694	0.47554	1.09833	55.96082	ug/L	08/19/10	00:10	
CCB	2203/1	0.96779	2.22893	-0.29334	184.28636	ug/L	08/19/10	00:10	
CCB	2203/2	-0.55220	-1.59072	0.48630	265.96435	ug/L	08/19/10	00:10	
CCB	1960/1	-2.82120	2.29703	-7.93944	256.56735	ug/L	08/19/10	00:10	
CCB	1960/2	3.57514	1.37451	5.77578	87.04994	ug/L	08/19/10	00:10	
CCB	Y	971.38427	968.77246	973.99609	0.38024		08/19/10	00:10	
60144-7	Ag	1.23285	1.32187	1.14383	10.21139	ug/L	08/19/10	00:15	
60144-7	Al	63511.85937	63568.91796	63454.79687	0.12705	ug/L	08/19/10	00:15	
60144-7	2Al	63.51319	63.56824	63.45814	0.12258	mg/L	08/19/10	00:15	
60144-7	As	50.77100	53.32431	48.21769	7.11217	ug/L	08/19/10	00:15	
60144-7	B	236.51196	236.43544	236.58847	0.04575	ug/L	08/19/10	00:15	
60144-7	Ba	405.74426	405.81591	405.67260	0.02497	ug/L	08/19/10	00:15	
60144-7	Be	5.03346	5.01574	5.05118	0.49799	ug/L	08/19/10	00:15	
60144-7	Ca	1403126.00000	1403535.12500	1402717.00000	0.04122	ug/L	08/19/10	00:15	
60144-7	Cd	3.38835	3.15942	3.61729	9.55510	ug/L	08/19/10	00:15	
60144-7	Co	37.28532	37.17202	37.39861	0.42972	ug/L	08/19/10	00:15	
60144-7	Cr	234.00347	234.28990	233.71705	0.17310	ug/L	08/19/10	00:15	
60144-7	Cu	49.65730	50.03624	49.27836	1.07920	ug/L	08/19/10	00:15	
60144-7	Fe	107205.26562	107295.71875	107114.82031	0.11931	ug/L	08/19/10	00:15	
60144-7	2Fe	107.18464	107.27115	107.09813	0.11414	mg/L	08/19/10	00:15	
60144-7	K	35741.14062	35775.37109	35706.90625	0.13545	ug/L	08/19/10	00:15	
60144-7	Mg	23506.22265	23525.38671	23487.05859	0.11529	ug/L	08/19/10	00:15	
60144-7	2Mg	23.48133	23.50047	23.46218	0.11530	mg/L	08/19/10	00:15	
60144-7	Mn	1297.06372	1296.86767	1297.25988	0.02138	ug/L	08/19/10	00:15	
60144-7	Mo	1.70288	3.07712	0.32863	114.12851	ug/L	08/19/10	00:15	
60144-7	Na	1795.13500	1816.38403	1773.88598	1.67400	ug/L	08/19/10	00:15	
60144-7	Ni	65.00614	65.40045	64.61185	0.85779	ug/L	08/19/10	00:15	
60144-7	Pb	106.25633	108.40705	104.10559	2.86250	ug/L	08/19/10	00:15	
60144-7	Se	5.80836	4.08929	7.52743	41.85564	ug/L	08/19/10	00:15	
60144-7	Sb	1.72957	5.03287	-1.57371	270.09841	ug/L	08/19/10	00:15	
60144-7	Sn	18.50099	18.60507	18.39691	0.79559	ug/L	08/19/10	00:15	
60144-7	Sr	1118.95056	1119.02368	1118.87744	0.00924	ug/L	08/19/10	00:15	
60144-7	Ti	406.89242	406.85092	406.93392	0.01442	ug/L	08/19/10	00:15	
60144-7	Tl	-1.36843	3.02584	-5.76271	454.12731	ug/L	08/19/10	00:15	
60144-7	V	194.65522	194.03948	195.27096	0.44734	ug/L	08/19/10	00:15	
60144-7	Zn	340.49578	340.32601	340.66558	0.07051	ug/L	08/19/10	00:15	
60144-7	2203/1	109.32463	110.68899	107.96028	1.76491	ug/L	08/19/10	00:15	
60144-7	2203/2	104.72447	107.26779	102.18114	3.43454	ug/L	08/19/10	00:15	
60144-7	1960/1	4.83237	3.82757	5.83716	29.40571	ug/L	08/19/10	00:15	
60144-7	1960/2	6.29562	4.21995	8.37129	46.62663	ug/L	08/19/10	00:15	
60144-7	Y	992.61083	990.57135	994.65026	0.29057		08/19/10	00:15	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60379-6	Ag	0.53314	0.32274	0.74354	55.81016	ug/L	08/19/10	00:21	
60379-6	Al	39595.93750	39671.87890	39519.99218	0.27124	ug/L	08/19/10	00:21	
60379-6	2Al	39.59781	39.67315	39.52247	0.26907	mg/L	08/19/10	00:21	
60379-6	As	19.34258	15.83880	22.84635	25.61750	ug/L	08/19/10	00:21	
60379-6	B	-1.23499	-1.23544	-1.23453	0.05203	ug/L	08/19/10	00:21	
60379-6	Ba	254.72779	254.82794	254.62765	0.05559	ug/L	08/19/10	00:21	
60379-6	Be	1.29612	1.32390	1.26833	3.03190	ug/L	08/19/10	00:21	
60379-6	Ca	14430.81054	14431.24218	14430.37890	0.00423	ug/L	08/19/10	00:21	
60379-6	Cd	0.74655	0.52914	0.96397	41.18540	ug/L	08/19/10	00:21	
60379-6	Co	19.58337	19.63520	19.53155	0.37427	ug/L	08/19/10	00:21	
60379-6	Cr	280.15917	279.72433	280.59402	0.21950	ug/L	08/19/10	00:21	
60379-6	Cu	94.36642	94.63481	94.09802	0.40223	ug/L	08/19/10	00:21	
60379-6	Fe	83135.60937	83169.98437	83101.24218	0.05846	ug/L	08/19/10	00:21	
60379-6	2Fe	83.12186	83.15461	83.08911	0.05572	mg/L	08/19/10	00:21	
60379-6	K	7112.99121	7117.99658	7107.98632	0.09951	ug/L	08/19/10	00:21	
60379-6	Mg	14430.37695	14432.81152	14427.94335	0.02385	ug/L	08/19/10	00:21	
60379-6	2Mg	14.41192	14.41435	14.40949	0.02381	mg/L	08/19/10	00:21	
60379-6	Mn	518.90307	518.72003	519.08605	0.04987	ug/L	08/19/10	00:21	
60379-6	Mo	2.61195	3.11694	2.10697	27.34177	ug/L	08/19/10	00:21	
60379-6	Na	667.84704	675.65582	660.03826	1.65356	ug/L	08/19/10	00:21	
60379-6	Ni	57.40418	58.06661	56.74175	1.63197	ug/L	08/19/10	00:21	
60379-6	Pb	40.72347	39.78503	41.66191	3.25893	ug/L	08/19/10	00:21	
60379-6	Se	0.38318	4.49018	-3.72381	1515.76428	ug/L	08/19/10	00:21	
60379-6	Sb	-2.61911	-2.63975	-2.59846	1.11477	ug/L	08/19/10	00:21	
60379-6	Sn	12.45597	13.21557	11.69637	8.62422	ug/L	08/19/10	00:21	
60379-6	Sr	36.76506	36.79175	36.73835	0.10270	ug/L	08/19/10	00:21	
60379-6	Ti	1467.99609	1465.82934	1470.16271	0.20873	ug/L	08/19/10	00:21	
60379-6	Tl	-2.44464	-0.50110	-4.38818	112.43269	ug/L	08/19/10	00:21	
60379-6	V	190.21380	190.02235	190.40524	0.14233	ug/L	08/19/10	00:21	
60379-6	Zn	95.47341	95.58812	95.35871	0.16990	ug/L	08/19/10	00:21	
60379-6	2203/1	41.82102	41.98579	41.65625	0.55719	ug/L	08/19/10	00:21	
60379-6	2203/2	40.17552	38.68630	41.66474	5.24217	ug/L	08/19/10	00:21	
60379-6	1960/1	-1.10108	-0.91969	-1.28248	23.29737	ug/L	08/19/10	00:21	
60379-6	1960/2	1.12420	7.19107	-4.94265	763.18914	ug/L	08/19/10	00:21	
60379-6	Y	963.26019	962.09619	964.42419	0.17089		08/19/10	00:21	
60379-6L	Ag	0.56250	1.03758	0.08742	119.44199	ug/L	08/19/10	00:26	
60379-6L	Al	7666.11767	7876.76660	7455.46875	3.88596	ug/L	08/19/10	00:26	
60379-6L	2Al	7.66623	7.87702	7.45544	3.88848	mg/L	08/19/10	00:26	
60379-6L	As	2.44529	0.31453	4.57606	123.23049	ug/L	08/19/10	00:26	
60379-6L	B	-0.65720	-1.24605	-0.06836	126.71088	ug/L	08/19/10	00:26	
60379-6L	Ba	49.70083	50.98490	48.41677	3.65375	ug/L	08/19/10	00:26	
60379-6L	Be	0.37352	0.38451	0.36253	4.16160	ug/L	08/19/10	00:26	
60379-6L	Ca	2838.65673	2910.37060	2766.94287	3.57277	ug/L	08/19/10	00:26	
60379-6L	Cd	0.12415	-0.01455	0.26286	157.99670	ug/L	08/19/10	00:26	
60379-6L	Co	4.44096	5.21100	3.67092	24.52171	ug/L	08/19/10	00:26	
60379-6L	Cr	54.88085	56.35481	53.40690	3.79819	ug/L	08/19/10	00:26	
60379-6L	Cu	18.05105	18.67369	17.42841	4.87807	ug/L	08/19/10	00:26	
60379-6L	Fe	16277.13964	16704.11328	15850.16601	3.70969	ug/L	08/19/10	00:26	
60379-6L	2Fe	16.27428	16.70199	15.84656	3.71679	mg/L	08/19/10	00:26	
60379-6L	K	1388.36389	1416.35656	1360.37121	2.85138	ug/L	08/19/10	00:26	
60379-6L	Mg	2828.47412	2908.64843	2748.30004	4.00864	ug/L	08/19/10	00:26	
60379-6L	2Mg	2.82486	2.90493	2.74478	4.00891	mg/L	08/19/10	00:26	
60379-6L	Mn	102.32421	105.05570	99.59272	3.77516	ug/L	08/19/10	00:26	
60379-6L	Mo	-2.10852	-1.79375	-2.42330	21.11235	ug/L	08/19/10	00:26	
60379-6L	Na	238.53198	261.60260	215.46134	13.67816	ug/L	08/19/10	00:26	
60379-6L	Ni	10.85658	10.26191	11.45126	7.74641	ug/L	08/19/10	00:26	
60379-6L	Pb	8.20945	9.06923	7.34968	14.81102	ug/L	08/19/10	00:26	
60379-6L	Se	-0.50762	-4.53809	3.52284	1122.86413	ug/L	08/19/10	00:26	
60379-6L	Sb	-5.54981	-9.43604	-1.66357	99.02980	ug/L	08/19/10	00:26	
60379-6L	Sn	4.30167	2.89317	5.71017	46.30568	ug/L	08/19/10	00:26	
60379-6L	Sr	7.23200	7.42848	7.03552	3.84216	ug/L	08/19/10	00:26	
60379-6L	Ti	286.23065	294.29559	278.16567	3.98474	ug/L	08/19/10	00:26	
60379-6L	Tl	-2.52036	-4.42133	-0.61939	106.66623	ug/L	08/19/10	00:26	
60379-6L	V	37.63365	38.35165	36.91564	2.69815	ug/L	08/19/10	00:26	
60379-6L	Zn	19.81792	20.01884	19.61701	1.43375	ug/L	08/19/10	00:26	
60379-6L	2203/1	6.85412	8.16441	5.54384	27.03504	ug/L	08/19/10	00:26	
60379-6L	2203/2	8.88610	9.52096	8.25124	10.10371	ug/L	08/19/10	00:26	
60379-6L	1960/1	3.61152	-1.33814	8.56118	193.82081	ug/L	08/19/10	00:26	
60379-6L	1960/2	-2.56411	-6.13567	1.00744	196.98619	ug/L	08/19/10	00:26	
60379-6L	Y	975.19860	975.66033	974.73687	0.06695		08/19/10	00:26	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60379-6A	Ag	42.73777	42.85009	42.62544	0.37168	ug/L	08/19/10	00:31	
60379-6A	Al	40560.43359	40583.73437	40537.13281	0.08124	ug/L	08/19/10	00:31	
60379-6A	2Al	40.56072	40.58367	40.53776	0.08002	mg/L	08/19/10	00:31	
60379-6A	As	1957.87683	1959.80993	1955.94372	0.13963	ug/L	08/19/10	00:31	
60379-6A	B	968.26574	967.75659	968.77496	0.07436	ug/L	08/19/10	00:31	
60379-6A	Ba	2233.79394	2234.49365	2233.09448	0.04429	ug/L	08/19/10	00:31	
60379-6A	Be	49.87004	49.84487	49.89521	0.07137	ug/L	08/19/10	00:31	
60379-6A	Ca	19088.85742	19079.55859	19098.15625	0.06889	ug/L	08/19/10	00:31	
60379-6A	Cd	48.65376	48.26398	49.04354	1.13296	ug/L	08/19/10	00:31	
60379-6A	Co	513.56127	511.85552	515.26702	0.46971	ug/L	08/19/10	00:31	
60379-6A	Cr	468.33197	468.35867	468.30523	0.00806	ug/L	08/19/10	00:31	
60379-6A	Cu	339.32525	339.49252	339.15802	0.06970	ug/L	08/19/10	00:31	
60379-6A	Fe	81569.32812	81576.55468	81562.10937	0.01252	ug/L	08/19/10	00:31	
60379-6A	2Fe	81.55280	81.55844	81.54716	0.00977	mg/L	08/19/10	00:31	
60379-6A	K	12237.18554	12245.99902	12228.37109	0.10186	ug/L	08/19/10	00:31	
60379-6A	Mg	19310.69140	19293.66992	19327.71484	0.12466	ug/L	08/19/10	00:31	
60379-6A	2Mg	19.29136	19.27434	19.30838	0.12475	mg/L	08/19/10	00:31	
60379-6A	Mn	1004.76165	1004.57580	1004.94750	0.02615	ug/L	08/19/10	00:31	
60379-6A	Mo	481.35894	479.15628	483.56158	0.64713	ug/L	08/19/10	00:31	
60379-6A	Na	5682.15429	5647.03417	5717.27441	0.87409	ug/L	08/19/10	00:31	
60379-6A	Ni	544.81591	544.41528	545.21655	0.10399	ug/L	08/19/10	00:31	
60379-6A	Pb	525.77001	524.89569	526.64428	0.23516	ug/L	08/19/10	00:31	
60379-6A	Se	1903.76489	1905.70349	1901.82641	0.14400	ug/L	08/19/10	00:31	
60379-6A	Sb	478.39819	480.45877	476.33761	0.60913	ug/L	08/19/10	00:31	
60379-6A	Sn	1054.47631	1052.77380	1056.17895	0.22834	ug/L	08/19/10	00:31	
60379-6A	Sr	531.57812	533.83654	529.31964	0.60084	ug/L	08/19/10	00:31	
60379-6A	Ti	2418.19653	2417.01074	2419.38232	0.06934	ug/L	08/19/10	00:31	
60379-6A	Tl	1987.04711	1994.31164	1979.78271	0.51702	ug/L	08/19/10	00:31	
60379-6A	V	691.51409	691.73150	691.29669	0.04446	ug/L	08/19/10	00:31	
60379-6A	Zn	591.03729	590.41540	591.65917	0.14880	ug/L	08/19/10	00:31	
60379-6A	2203/1	539.06811	537.56817	540.56805	0.39350	ug/L	08/19/10	00:31	
60379-6A	2203/2	519.13085	518.56890	519.69287	0.15309	ug/L	08/19/10	00:31	
60379-6A	1960/1	1959.63012	1959.26696	1959.99340	0.02621	ug/L	08/19/10	00:31	
60379-6A	1960/2	1875.87426	1878.96191	1872.78649	0.23278	ug/L	08/19/10	00:31	
60379-6A	Y	967.43530	971.03314	963.83740	0.52594		08/19/10	00:31	
60379-11	Ag	-0.00339	-0.15398	0.14719	6274.00341	ug/L	08/19/10	00:37	
60379-11	Al	33484.02734	33506.36328	33461.69140	0.09433	ug/L	08/19/10	00:37	
60379-11	2Al	33.48427	33.50732	33.46121	0.09736	mg/L	08/19/10	00:37	
60379-11	As	29.91404	27.61247	32.21562	10.88089	ug/L	08/19/10	00:37	
60379-11	B	-0.79399	-0.56519	-1.02279	40.75242	ug/L	08/19/10	00:37	
60379-11	Ba	137.64031	137.67187	137.60876	0.03242	ug/L	08/19/10	00:37	
60379-11	Be	1.25377	1.25516	1.25238	0.15664	ug/L	08/19/10	00:37	
60379-11	Ca	13213.91894	13238.95996	13188.87792	0.26800	ug/L	08/19/10	00:37	
60379-11	Cd	3.25576	3.18472	3.32681	3.08602	ug/L	08/19/10	00:37	
60379-11	Co	9.73438	10.20662	9.26214	6.86072	ug/L	08/19/10	00:37	
60379-11	Cr	431.19738	432.13528	430.25952	0.30760	ug/L	08/19/10	00:37	
60379-11	Cu	66.79875	67.03916	66.55834	0.50897	ug/L	08/19/10	00:37	
60379-11	Fe	86637.27343	86703.08593	86571.46093	0.10742	ug/L	08/19/10	00:37	
60379-11	2Fe	86.61991	86.68730	86.55254	0.11000	mg/L	08/19/10	00:37	
60379-11	K	3665.31713	3672.41821	3658.21606	0.27398	ug/L	08/19/10	00:37	
60379-11	Mg	7138.09667	7147.18066	7129.01220	0.17997	ug/L	08/19/10	00:37	
60379-11	2Mg	7.12099	7.13006	7.11192	0.18013	mg/L	08/19/10	00:37	
60379-11	Mn	310.37307	310.77038	309.97576	0.18103	ug/L	08/19/10	00:37	
60379-11	Mo	6.49491	7.15185	5.83798	14.30419	ug/L	08/19/10	00:37	
60379-11	Na	271.25088	205.63131	336.87045	34.21189	ug/L	08/19/10	00:37	
60379-11	Ni	22.81613	23.36935	22.26292	3.42901	ug/L	08/19/10	00:37	
60379-11	Pb	110.04380	108.66540	111.42221	1.77144	ug/L	08/19/10	00:37	
60379-11	Se	-0.47493	-0.46896	-0.48089	1.77662	ug/L	08/19/10	00:37	
60379-11	Sb	2.13325	4.33567	-0.06916	146.00657	ug/L	08/19/10	00:37	
60379-11	Sn	20.29441	21.65847	18.93034	9.50547	ug/L	08/19/10	00:37	
60379-11	Sr	31.75343	31.74409	31.76277	0.04159	ug/L	08/19/10	00:37	
60379-11	Ti	1032.58447	1033.09020	1032.07861	0.06927	ug/L	08/19/10	00:37	
60379-11	Tl	-3.26535	1.19324	-7.72394	193.10023	ug/L	08/19/10	00:37	
60379-11	V	229.22424	228.95301	229.49548	0.16733	ug/L	08/19/10	00:37	
60379-11	Zn	69.77074	70.16224	69.37924	0.79355	ug/L	08/19/10	00:37	
60379-11	2203/1	112.74797	113.65995	111.83599	1.14390	ug/L	08/19/10	00:37	
60379-11	2203/2	108.69375	106.17187	111.21564	3.28122	ug/L	08/19/10	00:37	
60379-11	1960/1	-1.23179	-1.05025	-1.41333	20.84243	ug/L	08/19/10	00:37	
60379-11	1960/2	-0.09706	-0.17875	-0.01537	119.01630	ug/L	08/19/10	00:37	
60379-11	Y	972.45208	969.18609	975.71807	0.47496		08/19/10	00:37	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60379-16	Ag	0.26254	0.56351	-0.03842	162.11964	ug/L	08/19/10	00:42	
60379-16	Al	36058.00781	36055.19921	36060.82031	0.01102	ug/L	08/19/10	00:42	
60379-16	2Al	36.05944	36.05809	36.06078	0.00528	mg/L	08/19/10	00:42	
60379-16	As	17.99966	17.60008	18.39924	3.13946	ug/L	08/19/10	00:42	
60379-16	B	-4.02975	-3.04720	-5.01230	34.48188	ug/L	08/19/10	00:42	
60379-16	Ba	207.30281	207.19744	207.40817	0.07187	ug/L	08/19/10	00:42	
60379-16	Be	1.17196	1.18282	1.16110	1.31067	ug/L	08/19/10	00:42	
60379-16	Ca	73214.23437	73172.78125	73255.67968	0.08006	ug/L	08/19/10	00:42	
60379-16	Cd	2.86192	2.83540	2.88845	1.31076	ug/L	08/19/10	00:42	
60379-16	Co	15.72301	15.64413	15.80189	0.70947	ug/L	08/19/10	00:42	
60379-16	Cr	316.76934	316.42077	317.11795	0.15562	ug/L	08/19/10	00:42	
60379-16	Cu	92.06108	91.33313	92.78901	1.11823	ug/L	08/19/10	00:42	
60379-16	Fe	73880.68750	73811.41406	73949.95312	0.13259	ug/L	08/19/10	00:42	
60379-16	2Fe	73.86810	73.80207	73.93413	0.12641	mg/L	08/19/10	00:42	
60379-16	K	10122.46386	10132.01171	10112.91601	0.13339	ug/L	08/19/10	00:42	
60379-16	Mg	29429.60156	29416.34765	29442.85546	0.06369	ug/L	08/19/10	00:42	
60379-16	2Mg	29.40871	29.39547	29.42195	0.06366	mg/L	08/19/10	00:42	
60379-16	Mn	889.89996	888.88208	890.91784	0.16176	ug/L	08/19/10	00:42	
60379-16	Mo	7.30359	7.66605	6.94113	7.01841	ug/L	08/19/10	00:42	
60379-16	Na	1190.29785	1161.18139	1219.41430	3.45937	ug/L	08/19/10	00:42	
60379-16	Ni	30.93143	30.18177	31.68110	3.42753	ug/L	08/19/10	00:42	
60379-16	Pb	357.67352	359.37066	355.97640	0.67103	ug/L	08/19/10	00:42	
60379-16	Se	4.95278	6.13104	3.77453	33.64377	ug/L	08/19/10	00:42	
60379-16	Sb	3.10225	5.85577	0.34873	125.52384	ug/L	08/19/10	00:42	
60379-16	Sn	19.98648	19.84488	20.12808	1.00195	ug/L	08/19/10	00:42	
60379-16	Sr	83.39852	83.36449	83.43256	0.05771	ug/L	08/19/10	00:42	
60379-16	Ti	1987.76416	1985.85327	1989.67504	0.13595	ug/L	08/19/10	00:42	
60379-16	Tl	-1.44306	3.24726	-6.13339	459.65481	ug/L	08/19/10	00:42	
60379-16	V	163.80372	163.73670	163.87074	0.05785	ug/L	08/19/10	00:42	
60379-16	Zn	138.21398	138.13378	138.29420	0.08206	ug/L	08/19/10	00:42	
60379-16	2203/1	366.02294	367.63177	364.41415	0.62160	ug/L	08/19/10	00:42	
60379-16	2203/2	353.50509	355.24630	351.76388	0.69657	ug/L	08/19/10	00:42	
60379-16	1960/1	-3.68185	-4.37248	-2.99123	26.52715	ug/L	08/19/10	00:42	
60379-16	1960/2	9.26363	11.37492	7.15234	32.23163	ug/L	08/19/10	00:42	
60379-16	Y	962.30297	962.49060	962.11541	0.02756		08/19/10	00:42	
60379-21	Ag	0.35343	0.32411	0.38275	11.73211	ug/L	08/19/10	00:47	
60379-21	Al	25458.90625	25355.21484	25562.59960	0.57599	ug/L	08/19/10	00:47	
60379-21	2Al	25.46056	25.35686	25.56426	0.57600	mg/L	08/19/10	00:47	
60379-21	As	14.09766	16.86353	11.33179	27.74597	ug/L	08/19/10	00:47	
60379-21	B	-6.66653	-6.89133	-6.44172	4.76890	ug/L	08/19/10	00:47	
60379-21	Ba	103.23118	102.84259	103.61978	0.53235	ug/L	08/19/10	00:47	
60379-21	Be	0.94325	0.94291	0.94359	0.05101	ug/L	08/19/10	00:47	
60379-21	Ca	8373.38183	8341.77148	8404.99218	0.53387	ug/L	08/19/10	00:47	
60379-21	Cd	1.47323	1.50873	1.43773	3.40785	ug/L	08/19/10	00:47	
60379-21	Co	7.53155	7.27933	7.78376	4.73589	ug/L	08/19/10	00:47	
60379-21	Cr	169.24749	168.44247	170.05252	0.67266	ug/L	08/19/10	00:47	
60379-21	Cu	34.89576	34.52615	35.26537	1.49791	ug/L	08/19/10	00:47	
60379-21	Fe	48134.60546	48021.86718	48247.34375	0.33122	ug/L	08/19/10	00:47	
60379-21	2Fe	48.12851	48.01578	48.24123	0.33123	mg/L	08/19/10	00:47	
60379-21	K	5486.79052	5468.42089	5505.16015	0.47347	ug/L	08/19/10	00:47	
60379-21	Mg	4825.81347	4801.23876	4850.38769	0.72015	ug/L	08/19/10	00:47	
60379-21	2Mg	4.81616	4.79161	4.84071	0.72081	mg/L	08/19/10	00:47	
60379-21	Mn	392.64096	391.52563	393.75628	0.40171	ug/L	08/19/10	00:47	
60379-21	Mo	2.69227	3.26384	2.12069	30.02405	ug/L	08/19/10	00:47	
60379-21	Na	1127.15380	1132.38793	1121.91967	0.65671	ug/L	08/19/10	00:47	
60379-21	Ni	12.64545	11.82508	13.46581	9.17460	ug/L	08/19/10	00:47	
60379-21	Pb	46.08504	46.85983	45.31025	2.37760	ug/L	08/19/10	00:47	
60379-21	Se	2.68482	1.66245	3.70718	53.85237	ug/L	08/19/10	00:47	
60379-21	Sb	-2.39429	-3.46960	-1.31897	63.51447	ug/L	08/19/10	00:47	
60379-21	Sn	18.99318	18.56358	19.42279	3.19878	ug/L	08/19/10	00:47	
60379-21	Sr	25.59042	25.49081	25.69003	0.55048	ug/L	08/19/10	00:47	
60379-21	Ti	1068.14086	1064.82287	1071.45874	0.43929	ug/L	08/19/10	00:47	
60379-21	Tl	-1.45274	-2.61809	-0.28740	113.44362	ug/L	08/19/10	00:47	
60379-21	V	122.77960	121.62212	123.93708	1.33322	ug/L	08/19/10	00:47	
60379-21	Zn	63.72143	63.26994	64.17292	1.00201	ug/L	08/19/10	00:47	
60379-21	2203/1	45.77600	46.90943	44.64258	3.50162	ug/L	08/19/10	00:47	
60379-21	2203/2	46.23932	46.83506	45.64358	1.82205	ug/L	08/19/10	00:47	
60379-21	1960/1	-3.80715	-6.46421	-1.15008	98.69986	ug/L	08/19/10	00:47	
60379-21	1960/2	5.92594	5.71970	6.13218	4.92187	ug/L	08/19/10	00:47	
60379-21	Y	965.02545	969.44586	960.60504	0.64779		08/19/10	00:47	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60379-26	Ag	0.44351	0.38368	0.50333	19.07771	ug/L	08/19/10	00:53	
60379-26	Al	47894.96875	47881.24609	47908.69140	0.04051	ug/L	08/19/10	00:53	
60379-26	2Al	47.89825	47.88500	47.91149	0.03909	mg/L	08/19/10	00:53	
60379-26	As	16.14642	16.66253	15.63031	4.52045	ug/L	08/19/10	00:53	
60379-26	B	-6.56508	-7.13597	-5.99418	12.29786	ug/L	08/19/10	00:53	
60379-26	Ba	202.56030	202.56736	202.55322	0.00493	ug/L	08/19/10	00:53	
60379-26	Be	1.91988	1.93853	1.90122	1.37401	ug/L	08/19/10	00:53	
60379-26	Ca	11643.01953	11643.26171	11642.77734	0.00294	ug/L	08/19/10	00:53	
60379-26	Cd	0.73767	0.54151	0.93384	37.60632	ug/L	08/19/10	00:53	
60379-26	Co	18.09959	18.18097	18.01821	0.63587	ug/L	08/19/10	00:53	
60379-26	Cr	158.24267	157.92852	158.55683	0.28076	ug/L	08/19/10	00:53	
60379-26	Cu	55.80456	55.55900	56.05012	0.62229	ug/L	08/19/10	00:53	
60379-26	Fe	107916.62500	107880.28125	107952.96875	0.04762	ug/L	08/19/10	00:53	
60379-26	2Fe	107.90055	107.86501	107.93610	0.04658	mg/L	08/19/10	00:53	
60379-26	K	20403.81835	20402.01562	20405.62109	0.01249	ug/L	08/19/10	00:53	
60379-26	Mg	15014.17382	15019.23828	15009.11035	0.04769	ug/L	08/19/10	00:53	
60379-26	2Mg	14.99175	14.99681	14.98668	0.04781	mg/L	08/19/10	00:53	
60379-26	Mn	1718.89990	1717.91320	1719.88671	0.08118	ug/L	08/19/10	00:53	
60379-26	Mo	1.45333	1.09868	1.80798	34.51040	ug/L	08/19/10	00:53	
60379-26	Na	330.99996	279.11407	382.88586	22.16850	ug/L	08/19/10	00:53	
60379-26	Ni	21.27486	21.24010	21.30962	0.23107	ug/L	08/19/10	00:53	
60379-26	Pb	40.98004	40.06266	41.89742	3.16587	ug/L	08/19/10	00:53	
60379-26	Se	4.55216	5.47777	3.62656	28.75559	ug/L	08/19/10	00:53	
60379-26	Sb	-0.78987	0.25413	-1.83389	186.92211	ug/L	08/19/10	00:53	
60379-26	Sn	21.23962	22.27042	20.20882	6.86343	ug/L	08/19/10	00:53	
60379-26	Sr	29.88617	29.88873	29.88360	0.01214	ug/L	08/19/10	00:53	
60379-26	Ti	4187.65332	4186.47705	4188.83007	0.03973	ug/L	08/19/10	00:53	
60379-26	Tl	-5.84044	-3.47390	-8.20698	57.30368	ug/L	08/19/10	00:53	
60379-26	V	182.59799	183.23835	181.95761	0.49596	ug/L	08/19/10	00:53	
60379-26	Zn	183.23117	182.66247	183.79986	0.43892	ug/L	08/19/10	00:53	
60379-26	2203/1	42.56544	41.53820	43.59268	3.41295	ug/L	08/19/10	00:53	
60379-26	2203/2	40.18852	39.32599	41.05106	3.03521	ug/L	08/19/10	00:53	
60379-26	1960/1	-1.12818	1.25093	-3.50730	298.22918	ug/L	08/19/10	00:53	
60379-26	1960/2	7.38808	7.58802	7.18814	3.82717	ug/L	08/19/10	00:53	
60379-26	Y	970.26831	968.01245	972.52423	0.32880		08/19/10	00:53	
60379-31	Ag	0.65300	0.74264	0.56336	19.41408	ug/L	08/19/10	00:58	
60379-31	Al	24419.74804	24431.19335	24408.30273	0.06628	ug/L	08/19/10	00:58	
60379-31	2Al	24.42045	24.43081	24.41010	0.05998	mg/L	08/19/10	00:58	
60379-31	As	16.11656	13.49787	18.73526	22.97882	ug/L	08/19/10	00:58	
60379-31	B	-8.24260	-7.34633	-9.13888	15.37778	ug/L	08/19/10	00:58	
60379-31	Ba	95.22855	95.24223	95.21487	0.02031	ug/L	08/19/10	00:58	
60379-31	Be	0.97509	0.96410	0.98608	1.59448	ug/L	08/19/10	00:58	
60379-31	Ca	2905.10107	2901.17431	2909.02807	0.19116	ug/L	08/19/10	00:58	
60379-31	Cd	0.61564	0.89519	0.33609	64.21600	ug/L	08/19/10	00:58	
60379-31	Co	6.26412	6.41388	6.11437	3.38099	ug/L	08/19/10	00:58	
60379-31	Cr	232.30139	232.83781	231.76498	0.32656	ug/L	08/19/10	00:58	
60379-31	Cu	41.71175	42.02980	41.39371	1.07831	ug/L	08/19/10	00:58	
60379-31	Fe	55287.99218	55248.05468	55327.92578	0.10215	ug/L	08/19/10	00:58	
60379-31	2Fe	55.27858	55.23624	55.32092	0.10831	mg/L	08/19/10	00:58	
60379-31	K	2829.44555	2826.79174	2832.09936	0.13264	ug/L	08/19/10	00:58	
60379-31	Mg	2251.47656	2252.81127	2250.14184	0.08383	ug/L	08/19/10	00:58	
60379-31	2Mg	2.24119	2.24254	2.23985	0.08466	mg/L	08/19/10	00:58	
60379-31	Mn	172.84594	172.62355	173.06832	0.18195	ug/L	08/19/10	00:58	
60379-31	Mo	2.77849	3.36098	2.19600	29.64777	ug/L	08/19/10	00:58	
60379-31	Na	553.48468	608.82800	498.14135	14.14082	ug/L	08/19/10	00:58	
60379-31	Ni	10.98246	10.41513	11.54978	7.30546	ug/L	08/19/10	00:58	
60379-31	Pb	47.09403	48.55078	45.63727	4.37456	ug/L	08/19/10	00:58	
60379-31	Se	-0.93720	-1.29311	-0.58129	53.70613	ug/L	08/19/10	00:58	
60379-31	Sb	-1.49550	-0.84027	-2.15073	61.96172	ug/L	08/19/10	00:58	
60379-31	Sn	16.24998	16.15972	16.34024	0.78552	ug/L	08/19/10	00:58	
60379-31	Sr	21.63737	21.58453	21.69021	0.34536	ug/L	08/19/10	00:58	
60379-31	Ti	671.35308	670.95501	671.75115	0.08385	ug/L	08/19/10	00:58	
60379-31	Tl	-0.88610	-1.36962	-0.40259	77.16850	ug/L	08/19/10	00:58	
60379-31	V	158.38142	157.71226	159.05058	0.59750	ug/L	08/19/10	00:58	
60379-31	Zn	51.88927	51.80580	51.97274	0.22749	ug/L	08/19/10	00:58	
60379-31	2203/1	46.62311	46.27549	46.97073	1.05442	ug/L	08/19/10	00:58	
60379-31	2203/2	47.32913	49.68672	44.97154	7.04456	ug/L	08/19/10	00:58	
60379-31	1960/1	-4.40208	-3.81963	-4.98453	18.71175	ug/L	08/19/10	00:58	
60379-31	1960/2	0.79263	-0.03175	1.61702	147.08662	ug/L	08/19/10	00:58	
60379-31	Y	966.48291	968.05096	964.91485	0.22944		08/19/10	00:58	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60379-36	Ag	0.44302	0.44290	0.44314	0.03819	ug/L	08/19/10	01:03	
60379-36	Al	28987.92968	29132.56054	28843.29882	0.70560	ug/L	08/19/10	01:03	
60379-36	2Al	28.98906	29.13529	28.84283	0.71336	mg/L	08/19/10	01:03	
60379-36	As	21.53023	21.04862	22.01184	3.16345	ug/L	08/19/10	01:03	
60379-36	B	-8.85273	-8.27439	-9.43107	9.23891	ug/L	08/19/10	01:03	
60379-36	Ba	133.58364	133.99183	133.17547	0.43212	ug/L	08/19/10	01:03	
60379-36	Be	1.12871	1.12937	1.12804	0.08364	ug/L	08/19/10	01:03	
60379-36	Ca	11401.74218	11439.84472	11363.63964	0.47260	ug/L	08/19/10	01:03	
60379-36	Cd	3.94239	3.74142	4.14336	7.20934	ug/L	08/19/10	01:03	
60379-36	Co	9.56313	9.34136	9.78491	3.27964	ug/L	08/19/10	01:03	
60379-36	Cr	217.18261	217.41271	216.95252	0.14982	ug/L	08/19/10	01:03	
60379-36	Cu	46.81578	47.13062	46.50093	0.95107	ug/L	08/19/10	01:03	
60379-36	Fe	65192.94140	65481.62109	64904.26171	0.62622	ug/L	08/19/10	01:03	
60379-36	2Fe	65.18145	65.47332	64.88958	0.63325	mg/L	08/19/10	01:03	
60379-36	K	6259.79003	6287.39794	6232.18164	0.62372	ug/L	08/19/10	01:03	
60379-36	Mg	5480.02099	5498.44433	5461.59765	0.47544	ug/L	08/19/10	01:03	
60379-36	2Mg	5.46723	5.48560	5.44886	0.47511	mg/L	08/19/10	01:03	
60379-36	Mn	482.31094	484.22308	480.39880	0.56067	ug/L	08/19/10	01:03	
60379-36	Mo	2.44538	4.41447	0.47629	113.87604	ug/L	08/19/10	01:03	
60379-36	Na	1087.17456	1221.41357	952.93566	17.46201	ug/L	08/19/10	01:03	
60379-36	Ni	15.51916	15.61236	15.42597	0.84928	ug/L	08/19/10	01:03	
60379-36	Pb	90.23941	92.14321	88.33559	2.98361	ug/L	08/19/10	01:03	
60379-36	Se	0.55551	1.88958	-0.77855	339.62445	ug/L	08/19/10	01:03	
60379-36	Sb	-2.79738	-4.99917	-0.59559	111.31096	ug/L	08/19/10	01:03	
60379-36	Sn	19.21863	20.53513	17.90213	9.68751	ug/L	08/19/10	01:03	
60379-36	Sr	29.70471	29.74231	29.66711	0.17902	ug/L	08/19/10	01:03	
60379-36	Ti	1303.63562	1308.19738	1299.07385	0.49487	ug/L	08/19/10	01:03	
60379-36	Tl	-2.41470	-3.53861	-1.29079	65.82365	ug/L	08/19/10	01:03	
60379-36	V	160.08924	160.44104	159.73745	0.31076	ug/L	08/19/10	01:03	
60379-36	Zn	89.44596	89.62384	89.26810	0.28122	ug/L	08/19/10	01:03	
60379-36	2203/1	95.27861	97.04116	93.51606	2.61613	ug/L	08/19/10	01:03	
60379-36	2203/2	87.72357	89.69792	85.74923	3.18288	ug/L	08/19/10	01:03	
60379-36	1960/1	-1.60406	0.35871	-3.56684	173.04734	ug/L	08/19/10	01:03	
60379-36	1960/2	1.63368	2.65386	0.61349	88.31327	ug/L	08/19/10	01:03	
60379-36	Y	960.20104	958.29626	962.10577	0.28053		08/19/10	01:03	
CCV	Ag	494.86679	495.19476	494.53881	0.09372	ug/L	08/19/10	01:09	
CCV	Al	5000.80664	5002.17675	4999.43652	0.03874	ug/L	08/19/10	01:09	
CCV	2Al	5.00086	5.00235	4.99937	0.04218	mg/L	08/19/10	01:09	
CCV	As	495.33935	498.31274	492.36599	0.84890	ug/L	08/19/10	01:09	
CCV	B	4890.41601	4891.24462	4889.58691	0.02396	ug/L	08/19/10	01:09	
CCV	Ba	4959.74316	4966.80468	4952.68164	0.20135	ug/L	08/19/10	01:09	
CCV	Be	494.05102	494.52682	493.57519	0.13620	ug/L	08/19/10	01:09	
CCV	Ca	5128.33007	5130.35156	5126.30908	0.05573	ug/L	08/19/10	01:09	
CCV	Cd	490.28869	492.41696	488.16046	0.61388	ug/L	08/19/10	01:09	
CCV	Co	501.09606	501.92904	500.26306	0.23509	ug/L	08/19/10	01:09	
CCV	Cr	4974.06445	4977.78125	4970.34765	0.10567	ug/L	08/19/10	01:09	
CCV	Cu	4951.98193	4959.90332	4944.06054	0.22622	ug/L	08/19/10	01:09	
CCV	Fe	4987.89746	4993.32519	4982.47021	0.15388	ug/L	08/19/10	01:09	
CCV	2Fe	4.98791	4.99334	4.98249	0.15388	mg/L	08/19/10	01:09	
CCV	K	10320.50097	10322.87792	10318.12402	0.03257	ug/L	08/19/10	01:09	
CCV	Mg	5205.35546	5205.98046	5204.73095	0.01697	ug/L	08/19/10	01:09	
CCV	2Mg	5.20532	5.20594	5.20469	0.01699	mg/L	08/19/10	01:09	
CCV	Mn	5050.42089	5055.14746	5045.69384	0.13235	ug/L	08/19/10	01:09	
CCV	Mo	489.74603	491.33605	488.15603	0.45913	ug/L	08/19/10	01:09	
CCV	Na	7670.93750	7556.78125	7785.09375	2.10458	ug/L	08/19/10	01:09	
CCV	Ni	2503.95166	2506.68920	2501.21435	0.15460	ug/L	08/19/10	01:09	
CCV	Pb	504.32571	503.81777	504.83364	0.14243	ug/L	08/19/10	01:09	
CCV	Se	4912.19531	4908.02587	4916.36425	0.12003	ug/L	08/19/10	01:09	
CCV	Sb	489.75170	487.81921	491.68423	0.55803	ug/L	08/19/10	01:09	
CCV	Sn	5149.47802	5155.00830	5143.94775	0.15187	ug/L	08/19/10	01:09	
CCV	Sr	2427.07885	2425.59082	2428.56689	0.08670	ug/L	08/19/10	01:09	
CCV	Ti	497.35281	497.97003	496.73559	0.17550	ug/L	08/19/10	01:09	
CCV	Tl	4948.54736	4950.22070	4946.87402	0.04782	ug/L	08/19/10	01:09	
CCV	V	5197.83496	5202.00683	5193.66357	0.11350	ug/L	08/19/10	01:09	
CCV	Zn	2550.81103	2550.35131	2551.27050	0.02548	ug/L	08/19/10	01:09	
CCV	2203/1	515.98834	519.51312	512.46356	0.96606	ug/L	08/19/10	01:09	
CCV	2203/2	498.49838	495.97708	501.01968	0.71527	ug/L	08/19/10	01:09	
CCV	1960/1	5061.40283	5064.82373	5057.98193	0.09558	ug/L	08/19/10	01:09	
CCV	1960/2	4837.70312	4829.74462	4845.66162	0.23265	ug/L	08/19/10	01:09	
CCV	Y	964.45306	964.80902	964.09710	0.05219		08/19/10	01:09	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.68187	0.62245	0.74130	12.32428	ug/L	08/19/10	01:14	
CCB	Al	-32.06327	-32.91238	-31.21416	3.74516	ug/L	08/19/10	01:14	
CCB	2Al	-0.03206	-0.03291	-0.03121	3.74513	mg/L	08/19/10	01:14	
CCB	As	-1.71956	-2.06785	-1.37127	28.64435	ug/L	08/19/10	01:14	
CCB	B	12.78474	14.38872	11.18076	17.74276	ug/L	08/19/10	01:14	
CCB	Ba	1.01457	0.15426	1.87488	119.91788	ug/L	08/19/10	01:14	
CCB	Be	0.22762	0.14646	0.30877	50.42151	ug/L	08/19/10	01:14	
CCB	Ca	9.79128	6.79472	12.78784	43.28112	ug/L	08/19/10	01:14	
CCB	Cd	-0.20261	-0.20241	-0.20280	0.13513	ug/L	08/19/10	01:14	
CCB	Co	0.84436	0.84526	0.84346	0.15090	ug/L	08/19/10	01:14	
CCB	Cr	0.87984	-0.05576	1.81545	150.38487	ug/L	08/19/10	01:14	
CCB	Cu	1.26977	0.65580	1.88374	68.38146	ug/L	08/19/10	01:14	
CCB	Fe	-0.74893	-5.54443	4.04656	905.53002	ug/L	08/19/10	01:14	
CCB	2Fe	-0.00074	-0.00554	0.00404	906.03070	mg/L	08/19/10	01:14	
CCB	K	6.30047	-4.37573	16.97669	239.63972	ug/L	08/19/10	01:14	
CCB	Mg	7.42444	4.94897	9.89990	47.15280	ug/L	08/19/10	01:14	
CCB	2Mg	0.00742	0.00494	0.00989	47.13996	mg/L	08/19/10	01:14	
CCB	Mn	1.00900	0.20740	1.81059	112.35141	ug/L	08/19/10	01:14	
CCB	Mo	-0.08406	0.27680	-0.44493	607.10668	ug/L	08/19/10	01:14	
CCB	Na	184.78250	203.36172	166.20326	14.21942	ug/L	08/19/10	01:14	
CCB	Ni	-0.56152	-1.25925	0.13619	175.72250	ug/L	08/19/10	01:14	
CCB	Pb	0.45811	0.24370	0.67252	66.18849	ug/L	08/19/10	01:14	
CCB	Se	2.43300	2.93349	1.93250	29.09197	ug/L	08/19/10	01:14	
CCB	Sb	-4.46496	-4.24778	-4.68214	6.87885	ug/L	08/19/10	01:14	
CCB	Sn	4.63191	6.32508	2.93875	51.69562	ug/L	08/19/10	01:14	
CCB	Sr	0.46391	0.09508	0.83274	112.43651	ug/L	08/19/10	01:14	
CCB	Ti	0.28091	0.29429	0.26752	6.74039	ug/L	08/19/10	01:14	
CCB	Tl	0.02071	2.25563	-2.21420	15259.56054	ug/L	08/19/10	01:14	
CCB	V	1.31755	0.34604	2.28906	104.27816	ug/L	08/19/10	01:14	
CCB	Zn	0.88973	0.47150	1.30797	66.47722	ug/L	08/19/10	01:14	
CCB	2203/1	0.57891	-0.92277	2.08060	366.84338	ug/L	08/19/10	01:14	
CCB	2203/2	0.39780	0.82607	-0.03045	152.24899	ug/L	08/19/10	01:14	
CCB	1960/1	2.75509	5.45337	0.05681	138.50500	ug/L	08/19/10	01:14	
CCB	1960/2	2.27219	1.67544	2.86894	37.14169	ug/L	08/19/10	01:14	
CCB	Y	972.97155	972.41845	973.52471	0.08039		08/19/10	01:14	
60379-41	Ag	0.94676	1.21267	0.68085	39.71992	ug/L	08/19/10	01:19	
60379-41	Al	34539.62500	34575.97656	34503.27343	0.14884	ug/L	08/19/10	01:19	
60379-41	2Al	34.54166	34.57682	34.50650	0.14396	mg/L	08/19/10	01:19	
60379-41	As	8.94379	9.22157	8.66600	4.39246	ug/L	08/19/10	01:19	
60379-41	B	-3.15555	-3.22167	-3.08943	2.96331	ug/L	08/19/10	01:19	
60379-41	Ba	157.29113	157.36476	157.21749	0.06620	ug/L	08/19/10	01:19	
60379-41	Be	1.42381	1.41283	1.43478	1.09026	ug/L	08/19/10	01:19	
60379-41	Ca	11679.72949	11690.15527	11669.30371	0.12623	ug/L	08/19/10	01:19	
60379-41	Cd	0.58946	0.61347	0.56546	5.75985	ug/L	08/19/10	01:19	
60379-41	Co	16.23568	15.83048	16.64088	3.52950	ug/L	08/19/10	01:19	
60379-41	Cr	79.24335	79.62602	78.86068	0.68292	ug/L	08/19/10	01:19	
60379-41	Cu	44.71095	44.96104	44.46085	0.79105	ug/L	08/19/10	01:19	
60379-41	Fe	74404.89062	74437.05468	74372.72656	0.06113	ug/L	08/19/10	01:19	
60379-41	2Fe	74.39309	74.42288	74.36331	0.05662	mg/L	08/19/10	01:19	
60379-41	K	19466.59570	19461.69531	19471.49609	0.03560	ug/L	08/19/10	01:19	
60379-41	Mg	14528.29394	14543.08007	14513.50781	0.14393	ug/L	08/19/10	01:19	
60379-41	2Mg	14.51186	14.52664	14.49708	0.14401	mg/L	08/19/10	01:19	
60379-41	Mn	1644.78125	1645.62524	1643.93737	0.07256	ug/L	08/19/10	01:19	
60379-41	Mo	0.53358	0.97992	0.08725	118.29682	ug/L	08/19/10	01:19	
60379-41	Na	613.80969	551.09301	676.52642	14.44988	ug/L	08/19/10	01:19	
60379-41	Ni	24.30015	24.22013	24.38016	0.46565	ug/L	08/19/10	01:19	
60379-41	Pb	32.61069	31.59083	33.63054	4.42275	ug/L	08/19/10	01:19	
60379-41	Se	1.99376	-1.10403	5.09157	219.73219	ug/L	08/19/10	01:19	
60379-41	Sb	-4.70089	-7.80788	-1.59390	93.47050	ug/L	08/19/10	01:19	
60379-41	Sn	20.39842	19.30045	21.49639	7.61217	ug/L	08/19/10	01:19	
60379-41	Sr	20.48100	20.45317	20.50884	0.19221	ug/L	08/19/10	01:19	
60379-41	Ti	3911.59179	3912.71362	3910.46997	0.04055	ug/L	08/19/10	01:19	
60379-41	Tl	1.38892	0.50015	2.27770	90.49506	ug/L	08/19/10	01:19	
60379-41	V	118.99902	119.62628	118.37174	0.74546	ug/L	08/19/10	01:19	
60379-41	Zn	162.03433	161.79719	162.27148	0.20697	ug/L	08/19/10	01:19	
60379-41	2203/1	33.62602	34.52000	32.73204	3.75981	ug/L	08/19/10	01:19	
60379-41	2203/2	32.10378	30.12845	34.07911	8.70159	ug/L	08/19/10	01:19	
60379-41	1960/1	-4.60364	-6.92294	-2.28434	71.24758	ug/L	08/19/10	01:19	
60379-41	1960/2	5.28753	1.80106	8.77400	93.24977	ug/L	08/19/10	01:19	
60379-41	Y	979.28228	979.77770	978.78686	0.07154		08/19/10	01:19	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60379-45	Ag	0.83387	0.80414	0.86359	5.04085	ug/L	08/19/10	01:24	
60379-45	Al	41492.54296	41519.37890	41465.70703	0.09146	ug/L	08/19/10	01:24	
60379-45	2Al	41.49314	41.51937	41.46691	0.08938	mg/L	08/19/10	01:24	
60379-45	As	21.47205	20.07074	22.87335	9.22940	ug/L	08/19/10	01:24	
60379-45	B	-0.14487	0.27209	-0.56183	407.03103	ug/L	08/19/10	01:24	
60379-45	Ba	201.80377	201.67988	201.92767	0.08682	ug/L	08/19/10	01:24	
60379-45	Be	1.67103	1.69366	1.64841	1.91476	ug/L	08/19/10	01:24	
60379-45	Ca	15372.15234	15364.28515	15380.01953	0.07237	ug/L	08/19/10	01:24	
60379-45	Cd	0.85460	0.80886	0.90033	7.56904	ug/L	08/19/10	01:24	
60379-45	Co	18.51208	18.01518	19.00899	3.79606	ug/L	08/19/10	01:24	
60379-45	Cr	260.06726	260.41168	259.72286	0.18728	ug/L	08/19/10	01:24	
60379-45	Cu	175.24244	175.58868	174.89620	0.27941	ug/L	08/19/10	01:24	
60379-45	Fe	98375.17968	98422.17968	98328.17968	0.06756	ug/L	08/19/10	01:24	
60379-45	2Fe	98.35547	98.40165	98.30929	0.06640	mg/L	08/19/10	01:24	
60379-45	K	7792.79296	7790.93603	7794.65039	0.03370	ug/L	08/19/10	01:24	
60379-45	Mg	14327.77539	14334.50585	14321.04492	0.06643	ug/L	08/19/10	01:24	
60379-45	2Mg	14.30682	14.31354	14.30010	0.06642	mg/L	08/19/10	01:24	
60379-45	Mn	847.41711	847.89990	846.93426	0.08057	ug/L	08/19/10	01:24	
60379-45	Mo	0.42865	1.11226	-0.25494	225.53068	ug/L	08/19/10	01:24	
60379-45	Na	668.78173	715.49462	622.06890	9.87795	ug/L	08/19/10	01:24	
60379-45	Ni	50.99867	50.93996	51.05737	0.16278	ug/L	08/19/10	01:24	
60379-45	Pb	43.25495	43.44200	43.06790	0.61154	ug/L	08/19/10	01:24	
60379-45	Se	-2.46821	-4.11123	-0.82519	94.14004	ug/L	08/19/10	01:24	
60379-45	Sb	-3.41416	-2.29324	-4.53508	46.43050	ug/L	08/19/10	01:24	
60379-45	Sn	20.42986	21.44501	19.41471	7.02716	ug/L	08/19/10	01:24	
60379-45	Sr	36.36431	36.31527	36.41335	0.19071	ug/L	08/19/10	01:24	
60379-45	Ti	1827.44726	1828.33837	1826.55615	0.06896	ug/L	08/19/10	01:24	
60379-45	Tl	-2.83298	-1.42810	-4.23786	70.13112	ug/L	08/19/10	01:24	
60379-45	V	203.29014	203.14370	203.43658	0.10187	ug/L	08/19/10	01:24	
60379-45	Zn	137.73333	137.92333	137.54333	0.19509	ug/L	08/19/10	01:24	
60379-45	2203/1	44.35644	45.12276	43.59011	2.44326	ug/L	08/19/10	01:24	
60379-45	2203/2	42.70503	42.60287	42.80719	0.33830	ug/L	08/19/10	01:24	
60379-45	1960/1	-2.50076	-5.53943	0.53791	171.84118	ug/L	08/19/10	01:24	
60379-45	1960/2	-2.45196	-3.39819	-1.50573	54.57572	ug/L	08/19/10	01:24	
60379-45	Y	963.62097	962.66375	964.57812	0.14047		08/19/10	01:24	
60166-1	Ag	0.62556	0.20230	1.04882	95.68689	ug/L	08/19/10	01:30	
60166-1	Al	-22.44683	-23.03679	-21.85686	3.71694	ug/L	08/19/10	01:30	
60166-1	2Al	-0.02244	-0.02303	-0.02185	3.71694	mg/L	08/19/10	01:30	
60166-1	As	1.09957	2.83107	-0.63193	222.69726	ug/L	08/19/10	01:30	
60166-1	B	-17.08166	-17.28472	-16.87861	1.68112	ug/L	08/19/10	01:30	
60166-1	Ba	0.24786	0.15581	0.33992	52.52400	ug/L	08/19/10	01:30	
60166-1	Be	0.12531	0.12774	0.12287	2.75009	ug/L	08/19/10	01:30	
60166-1	Ca	113.64479	113.52352	113.76604	0.15089	ug/L	08/19/10	01:30	
60166-1	Cd	-0.04536	-0.22764	0.13690	568.19921	ug/L	08/19/10	01:30	
60166-1	Co	0.90242	1.00094	0.80390	15.43910	ug/L	08/19/10	01:30	
60166-1	Cr	0.57962	0.69201	0.46722	27.42293	ug/L	08/19/10	01:30	
60166-1	Cu	0.93681	0.33058	1.54304	91.51668	ug/L	08/19/10	01:30	
60166-1	Fe	12.47553	-0.59265	25.54372	148.13963	ug/L	08/19/10	01:30	
60166-1	2Fe	0.01247	-0.00059	0.02554	148.13552	mg/L	08/19/10	01:30	
60166-1	K	28.00046	20.92294	35.07799	35.74630	ug/L	08/19/10	01:30	
60166-1	Mg	10.04241	10.00652	10.07830	0.50537	ug/L	08/19/10	01:30	
60166-1	2Mg	0.01003	0.01000	0.01007	0.47328	mg/L	08/19/10	01:30	
60166-1	Mn	0.28726	0.26079	0.31373	13.03064	ug/L	08/19/10	01:30	
60166-1	Mo	-0.52211	-0.61623	-0.42800	25.49088	ug/L	08/19/10	01:30	
60166-1	Na	393.33935	411.04779	375.63092	6.36689	ug/L	08/19/10	01:30	
60166-1	Ni	-1.76079	-2.64906	-0.87252	71.34291	ug/L	08/19/10	01:30	
60166-1	Pb	0.71398	0.21381	1.21416	99.07057	ug/L	08/19/10	01:30	
60166-1	Se	-2.48434	0.18058	-5.14927	151.70091	ug/L	08/19/10	01:30	
60166-1	Sb	-1.42224	-6.70429	3.85980	525.22058	ug/L	08/19/10	01:30	
60166-1	Sn	16.71558	16.26880	17.16235	3.77991	ug/L	08/19/10	01:30	
60166-1	Sr	0.09327	0.07505	0.11150	27.63747	ug/L	08/19/10	01:30	
60166-1	Ti	2.09536	2.36256	1.82816	18.03401	ug/L	08/19/10	01:30	
60166-1	Tl	0.48499	1.97370	-1.00372	434.10293	ug/L	08/19/10	01:30	
60166-1	V	0.60236	0.28431	0.92041	74.67127	ug/L	08/19/10	01:30	
60166-1	Zn	17.06545	17.16656	16.96433	0.83794	ug/L	08/19/10	01:30	
60166-1	2203/1	2.10593	1.42210	2.78976	45.92161	ug/L	08/19/10	01:30	
60166-1	2203/2	0.01906	-0.38942	0.42754	3030.74096	ug/L	08/19/10	01:30	
60166-1	1960/1	0.36540	1.12372	-0.39292	293.49618	ug/L	08/19/10	01:30	
60166-1	1960/2	-3.90708	-0.29028	-7.52388	130.91413	ug/L	08/19/10	01:30	
60166-1	Y	958.74359	961.93261	955.55456	0.47040		08/19/10	01:30	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60164-1	Ag	0.44224	0.56492	0.31955	39.23249	ug/L	08/19/10	01:35	
60164-1	Al	107.76296	107.09593	108.42999	0.87536	ug/L	08/19/10	01:35	
60164-1	2Al	0.10777	0.10710	0.10844	0.87536	mg/L	08/19/10	01:35	
60164-1	As	1.75639	0.88589	2.62689	70.09107	ug/L	08/19/10	01:35	
60164-1	B	8.45461	9.29991	7.60932	14.13934	ug/L	08/19/10	01:35	
60164-1	Ba	5.78026	5.70280	5.85771	1.89500	ug/L	08/19/10	01:35	
60164-1	Be	0.14648	0.14462	0.14834	1.79467	ug/L	08/19/10	01:35	
60164-1	Ca	8717.65234	8725.81054	8709.49414	0.13234	ug/L	08/19/10	01:35	
60164-1	Cd	-0.15569	-0.29129	-0.02008	123.17321	ug/L	08/19/10	01:35	
60164-1	Co	0.29756	0.35874	0.23639	29.07440	ug/L	08/19/10	01:35	
60164-1	Cr	4.25238	4.29357	4.21118	1.37004	ug/L	08/19/10	01:35	
60164-1	Cu	20.19204	20.52120	19.86288	2.30538	ug/L	08/19/10	01:35	
60164-1	Fe	2495.82324	2495.09814	2496.54858	0.04109	ug/L	08/19/10	01:35	
60164-1	2Fe	2.49550	2.49478	2.49623	0.04109	mg/L	08/19/10	01:35	
60164-1	K	753.94311	760.40435	747.48193	1.21196	ug/L	08/19/10	01:35	
60164-1	Mg	1802.38195	1807.18041	1797.58349	0.37650	ug/L	08/19/10	01:35	
60164-1	2Mg	1.80146	1.80625	1.79666	0.37661	mg/L	08/19/10	01:35	
60164-1	Mn	57.64300	57.82234	57.46366	0.43999	ug/L	08/19/10	01:35	
60164-1	Mo	1.44404	2.00893	0.87914	55.32264	ug/L	08/19/10	01:35	
60164-1	Na	32391.83398	32525.71289	32257.95507	0.58450	ug/L	08/19/10	01:35	
60164-1	Ni	1.00965	0.74688	1.27243	36.80650	ug/L	08/19/10	01:35	
60164-1	Pb	3.25476	4.08555	2.42396	36.09853	ug/L	08/19/10	01:35	
60164-1	Se	-0.61305	-2.88989	1.66379	525.23248	ug/L	08/19/10	01:35	
60164-1	Sb	0.37331	3.83595	-3.08932	1311.74658	ug/L	08/19/10	01:35	
60164-1	Sn	15.67161	14.10982	17.23339	14.09363	ug/L	08/19/10	01:35	
60164-1	Sr	74.79299	74.90879	74.67719	0.21896	ug/L	08/19/10	01:35	
60164-1	Ti	3.73552	3.86934	3.60170	5.06626	ug/L	08/19/10	01:35	
60164-1	Tl	1.54441	2.90393	0.18489	124.49070	ug/L	08/19/10	01:35	
60164-1	V	0.78487	0.78750	0.78223	0.47463	ug/L	08/19/10	01:35	
60164-1	Zn	28.19163	28.26771	28.11554	0.38167	ug/L	08/19/10	01:35	
60164-1	2203/1	4.49570	4.45595	4.53544	1.25019	ug/L	08/19/10	01:35	
60164-1	2203/2	2.63522	3.90063	1.36980	67.90934	ug/L	08/19/10	01:35	
60164-1	1960/1	-6.92167	-6.12709	-7.71625	16.23460	ug/L	08/19/10	01:35	
60164-1	1960/2	2.53653	-1.27372	6.34678	212.43615	ug/L	08/19/10	01:35	
60164-1	Y	942.88500	940.37420	945.39587	0.37659		08/19/10	01:35	
60187-10	Ag	0.86653	1.10886	0.62420	39.54935	ug/L	08/19/10	01:40	
60187-10	Al	100752.33593	100806.28906	100698.38281	0.07573	ug/L	08/19/10	01:40	
60187-10	2Al	100.75271	100.80765	100.69778	0.07711	mg/L	08/19/10	01:40	
60187-10	As	23.50582	21.93861	25.07303	9.42902	ug/L	08/19/10	01:40	
60187-10	B	29.28554	29.27938	29.29170	0.02975	ug/L	08/19/10	01:40	
60187-10	Ba	507.39318	507.69805	507.08834	0.08496	ug/L	08/19/10	01:40	
60187-10	Be	7.72205	7.70702	7.73709	0.27534	ug/L	08/19/10	01:40	
60187-10	Ca	345892.25000	345908.75000	345875.78125	0.00673	ug/L	08/19/10	01:40	
60187-10	Cd	10.51222	10.67139	10.35306	2.14128	ug/L	08/19/10	01:40	
60187-10	Co	28.04913	27.51633	28.58194	2.68635	ug/L	08/19/10	01:40	
60187-10	Cr	149.75378	150.16307	149.34448	0.38652	ug/L	08/19/10	01:40	
60187-10	Cu	224.61059	224.92724	224.29396	0.19936	ug/L	08/19/10	01:40	
60187-10	Fe	112180.53125	112230.28906	112130.78125	0.06272	ug/L	08/19/10	01:40	
60187-10	2Fe	112.15740	112.20796	112.10686	0.06373	mg/L	08/19/10	01:40	
60187-10	K	4681.96142	4673.27197	4690.65087	0.26246	ug/L	08/19/10	01:40	
60187-10	Mg	9281.99414	9288.74902	9275.24023	0.10291	ug/L	08/19/10	01:40	
60187-10	2Mg	9.26007	9.26681	9.25332	0.10300	mg/L	08/19/10	01:40	
60187-10	Mn	916.69201	917.44891	915.93518	0.11676	ug/L	08/19/10	01:40	
60187-10	Mo	8.30872	8.36412	8.25331	0.94299	ug/L	08/19/10	01:40	
60187-10	Na	1484.09216	1466.49877	1501.68554	1.67649	ug/L	08/19/10	01:40	
60187-10	Ni	51.14117	51.50229	50.78004	0.99862	ug/L	08/19/10	01:40	
60187-10	Pb	580.49084	580.81030	580.17138	0.07782	ug/L	08/19/10	01:40	
60187-10	Se	0.78409	2.84481	-1.27663	371.68054	ug/L	08/19/10	01:40	
60187-10	Sb	-2.91649	-5.08334	-0.74963	105.07128	ug/L	08/19/10	01:40	
60187-10	Sn	49.01463	47.87416	50.15510	3.29059	ug/L	08/19/10	01:40	
60187-10	Sr	659.32751	660.00103	658.65399	0.14446	ug/L	08/19/10	01:40	
60187-10	Ti	1228.67724	1229.30126	1228.05334	0.07181	ug/L	08/19/10	01:40	
60187-10	Tl	-3.79535	-4.61880	-2.97191	30.68301	ug/L	08/19/10	01:40	
60187-10	V	268.67471	268.55810	268.79132	0.06137	ug/L	08/19/10	01:40	
60187-10	Zn	3338.86425	3340.55834	3337.17016	0.07175	ug/L	08/19/10	01:40	
60187-10	2203/1	590.86999	591.50848	590.23144	0.15282	ug/L	08/19/10	01:40	
60187-10	2203/2	575.30908	575.46923	575.14886	0.03937	ug/L	08/19/10	01:40	
60187-10	1960/1	-4.76477	-4.35172	-5.17782	12.25949	ug/L	08/19/10	01:40	
60187-10	1960/2	3.55436	6.43769	0.67102	114.72237	ug/L	08/19/10	01:40	
60187-10	Y	957.40637	956.44921	958.36358	0.14138		08/19/10	01:40	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60191-8	Ag	0.86167	0.76507	0.95826	15.85377	ug/L	08/19/10	01:46	
60191-8	Al	20635.00976	20618.41992	20651.59960	0.11369	ug/L	08/19/10	01:46	
60191-8	2Al	20.63522	20.61823	20.65221	0.11645	mg/L	08/19/10	01:46	
60191-8	As	35.85990	35.54799	36.17181	1.23008	ug/L	08/19/10	01:46	
60191-8	B	45.46377	45.09672	45.83081	1.14174	ug/L	08/19/10	01:46	
60191-8	Ba	146.19674	146.21612	146.17735	0.01875	ug/L	08/19/10	01:46	
60191-8	Be	1.92410	1.92183	1.92638	0.16722	ug/L	08/19/10	01:46	
60191-8	Ca	2234757.50000	2239925.50000	2229589.50000	0.32704	ug/L	08/19/10	01:46	
60191-8	Cd	1.26747	1.09197	1.44297	19.58186	ug/L	08/19/10	01:46	
60191-8	Co	10.93162	11.18313	10.68012	3.25369	ug/L	08/19/10	01:46	
60191-8	Cr	64.90933	65.16233	64.65633	0.55122	ug/L	08/19/10	01:46	
60191-8	Cu	26.72558	26.85261	26.59855	0.67219	ug/L	08/19/10	01:46	
60191-8	Fe	43968.76953	44018.92968	43918.60937	0.16133	ug/L	08/19/10	01:46	
60191-8	2Fe	43.96059	44.00986	43.91131	0.15850	mg/L	08/19/10	01:46	
60191-8	K	9932.86718	9925.22753	9940.50585	0.10876	ug/L	08/19/10	01:46	
60191-8	Mg	17231.63671	17246.95312	17216.32031	0.12570	ug/L	08/19/10	01:46	
60191-8	2Mg	17.21969	17.23499	17.20438	0.12568	mg/L	08/19/10	01:46	
60191-8	Mn	1414.24426	1415.94628	1412.54223	0.17019	ug/L	08/19/10	01:46	
60191-8	Mo	-0.55567	-0.55298	-0.55836	0.68417	ug/L	08/19/10	01:46	
60191-8	Na	1318.81835	1221.91687	1415.71997	10.39108	ug/L	08/19/10	01:46	
60191-8	Ni	32.27336	32.15628	32.39043	0.51302	ug/L	08/19/10	01:46	
60191-8	Pb	40.12834	41.19129	39.06539	3.74607	ug/L	08/19/10	01:46	
60191-8	Se	-2.43429	-2.02650	-2.84208	23.69085	ug/L	08/19/10	01:46	
60191-8	Sb	-0.64955	-1.84360	0.54448	259.96548	ug/L	08/19/10	01:46	
60191-8	Sn	16.01318	17.25066	14.77571	10.92884	ug/L	08/19/10	01:46	
60191-8	Sr	1125.63330	1127.42675	1123.83972	0.22533	ug/L	08/19/10	01:46	
60191-8	Ti	197.65304	198.18774	197.11834	0.38257	ug/L	08/19/10	01:46	
60191-8	Tl	-7.36996	-5.20222	-9.53769	41.59636	ug/L	08/19/10	01:46	
60191-8	V	158.78681	159.48042	158.09321	0.61774	ug/L	08/19/10	01:46	
60191-8	Zn	127.66149	128.38362	126.93936	0.79995	ug/L	08/19/10	01:46	
60191-8	2203/1	38.59261	37.86245	39.32276	2.67563	ug/L	08/19/10	01:46	
60191-8	2203/2	40.89505	42.85321	38.93689	6.77161	ug/L	08/19/10	01:46	
60191-8	1960/1	-3.87198	-5.24253	-2.50142	50.05860	ug/L	08/19/10	01:46	
60191-8	1960/2	-1.71652	-0.42089	-3.01216	106.74475	ug/L	08/19/10	01:46	
60191-8	Y	888.12316	885.09771	891.14868	0.48176		08/19/10	01:46	
PBW 177400	Ag	0.19987	0.26067	0.13908	43.01647	ug/L	08/19/10	01:53	
PBW 177400	Al	-24.06760	-22.16830	-25.96691	11.16033	ug/L	08/19/10	01:53	
PBW 177400	2Al	-0.02406	-0.02217	-0.02596	11.16033	mg/L	08/19/10	01:53	
PBW 177400	As	-2.84893	-1.93697	-3.76089	45.26991	ug/L	08/19/10	01:53	
PBW 177400	B	-18.86249	-19.17211	-18.55286	2.32140	ug/L	08/19/10	01:53	
PBW 177400	Ba	0.22244	0.23546	0.20942	8.28005	ug/L	08/19/10	01:53	
PBW 177400	Be	0.13282	0.15515	0.11049	23.77864	ug/L	08/19/10	01:53	
PBW 177400	Ca	49.48870	49.45031	49.52708	0.10968	ug/L	08/19/10	01:53	
PBW 177400	Cd	-0.15175	-0.15082	-0.15268	0.86631	ug/L	08/19/10	01:53	
PBW 177400	Co	1.20635	1.85298	0.55972	75.80465	ug/L	08/19/10	01:53	
PBW 177400	Cr	1.62460	1.97095	1.27824	30.15009	ug/L	08/19/10	01:53	
PBW 177400	Cu	1.78287	1.92116	1.64458	10.96977	ug/L	08/19/10	01:53	
PBW 177400	Fe	32.88121	23.86609	41.89632	38.77379	ug/L	08/19/10	01:53	
PBW 177400	2Fe	0.03287	0.02386	0.04189	38.77244	mg/L	08/19/10	01:53	
PBW 177400	K	26.38335	33.78977	18.97693	39.70025	ug/L	08/19/10	01:53	
PBW 177400	Mg	2.52981	5.04784	0.01177	140.76303	ug/L	08/19/10	01:53	
PBW 177400	2Mg	0.00252	0.00504	0.00000	141.15940	mg/L	08/19/10	01:53	
PBW 177400	Mn	0.50816	0.43205	0.58427	21.18164	ug/L	08/19/10	01:53	
PBW 177400	Mo	-1.80429	-0.42715	-3.18142	107.94039	ug/L	08/19/10	01:53	
PBW 177400	Na	206.21945	281.49639	130.94252	51.62348	ug/L	08/19/10	01:53	
PBW 177400	Ni	0.64869	0.70347	0.59392	11.94128	ug/L	08/19/10	01:53	
PBW 177400	Pb	-0.43534	-0.34422	-0.52647	29.60168	ug/L	08/19/10	01:53	
PBW 177400	Se	-1.09909	-3.34358	1.14539	288.80068	ug/L	08/19/10	01:53	
PBW 177400	Sb	-4.29274	-4.76688	-3.81860	15.62019	ug/L	08/19/10	01:53	
PBW 177400	Sn	15.94755	12.56401	19.33110	30.00491	ug/L	08/19/10	01:53	
PBW 177400	Sr	0.06867	0.07580	0.06153	14.69173	ug/L	08/19/10	01:53	
PBW 177400	Ti	0.22503	0.26622	0.18385	25.88267	ug/L	08/19/10	01:53	
PBW 177400	Tl	-2.83388	-1.17989	-4.48787	82.54036	ug/L	08/19/10	01:53	
PBW 177400	V	0.22240	0.22511	0.21969	1.72193	ug/L	08/19/10	01:53	
PBW 177400	Zn	5.06670	5.27811	4.85529	5.90086	ug/L	08/19/10	01:53	
PBW 177400	2203/1	0.16890	-0.88414	1.22194	881.70037	ug/L	08/19/10	01:53	
PBW 177400	2203/2	-0.73702	-0.07466	-1.39937	127.09371	ug/L	08/19/10	01:53	
PBW 177400	1960/1	-4.05550	-7.90144	-0.20957	134.11331	ug/L	08/19/10	01:53	
PBW 177400	1960/2	0.37689	-1.06807	1.82186	542.18798	ug/L	08/19/10	01:53	
PBW 177400	Y	954.32324	954.66955	953.97686	0.05132		08/19/10	01:53	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSS-1	Ag	53.70399	53.59723	53.81074	0.28112	ug/L	08/19/10	01:58	
LCSS-1	Al	2138.95800	2137.12988	2140.78588	0.12086	ug/L	08/19/10	01:58	
LCSS-1	2Al	2.13915	2.13732	2.14098	0.12085	mg/L	08/19/10	01:58	
LCSS-1	As	2106.23046	2105.21850	2107.24243	0.06794	ug/L	08/19/10	01:58	
LCSS-1	B	1030.72106	1027.14916	1034.29296	0.49008	ug/L	08/19/10	01:58	
LCSS-1	Ba	2160.04882	2157.48510	2162.61254	0.16785	ug/L	08/19/10	01:58	
LCSS-1	Be	52.91089	52.97061	52.85118	0.15960	ug/L	08/19/10	01:58	
LCSS-1	Ca	5406.68554	5409.17138	5404.19970	0.06502	ug/L	08/19/10	01:58	
LCSS-1	Cd	53.00135	53.17858	52.82413	0.47288	ug/L	08/19/10	01:58	
LCSS-1	Co	540.47589	540.54315	540.40863	0.01759	ug/L	08/19/10	01:58	
LCSS-1	Cr	214.58743	214.84194	214.33291	0.16773	ug/L	08/19/10	01:58	
LCSS-1	Cu	268.84130	269.07135	268.61129	0.12100	ug/L	08/19/10	01:58	
LCSS-1	Fe	1092.51489	1098.04284	1086.98693	0.71556	ug/L	08/19/10	01:58	
LCSS-1	2Fe	1.09260	1.09813	1.08707	0.71542	mg/L	08/19/10	01:58	
LCSS-1	K	5331.74365	5329.95068	5333.53662	0.04755	ug/L	08/19/10	01:58	
LCSS-1	Mg	5493.52685	5494.37597	5492.67773	0.02185	ug/L	08/19/10	01:58	
LCSS-1	2Mg	5.49203	5.49288	5.49118	0.02183	mg/L	08/19/10	01:58	
LCSS-1	Mn	546.16778	546.50573	545.82983	0.08750	ug/L	08/19/10	01:58	
LCSS-1	Mo	518.11621	517.31243	518.91992	0.21938	ug/L	08/19/10	01:58	
LCSS-1	Na	5338.73193	5301.42822	5376.03564	0.98816	ug/L	08/19/10	01:58	
LCSS-1	Ni	536.71850	535.73156	537.70538	0.26004	ug/L	08/19/10	01:58	
LCSS-1	Pb	538.49505	539.63940	537.35070	0.30053	ug/L	08/19/10	01:58	
LCSS-1	Se	2098.30175	2101.08666	2095.51684	0.18769	ug/L	08/19/10	01:58	
LCSS-1	Sb	524.20410	523.44219	524.96600	0.20554	ug/L	08/19/10	01:58	
LCSS-1	Sn	1095.25427	1094.00866	1096.49987	0.16083	ug/L	08/19/10	01:58	
LCSS-1	Sr	527.05157	526.49749	527.60565	0.14867	ug/L	08/19/10	01:58	
LCSS-1	Ti	740.65258	740.89270	740.41241	0.04585	ug/L	08/19/10	01:58	
LCSS-1	Tl	2185.82983	2180.41748	2191.24218	0.35017	ug/L	08/19/10	01:58	
LCSS-1	V	554.02325	553.92681	554.11968	0.02461	ug/L	08/19/10	01:58	
LCSS-1	Zn	551.96820	552.48339	551.45300	0.13200	ug/L	08/19/10	01:58	
LCSS-1	2203/1	546.28417	547.29766	545.27069	0.26237	ug/L	08/19/10	01:58	
LCSS-1	2203/2	534.60632	535.81604	533.39666	0.32000	ug/L	08/19/10	01:58	
LCSS-1	1960/1	2137.77856	2136.23632	2139.32080	0.10202	ug/L	08/19/10	01:58	
LCSS-1	1960/2	2078.59228	2083.53759	2073.64697	0.33646	ug/L	08/19/10	01:58	
LCSS-1	Y	952.00000	950.10003	953.89990	0.28223		08/19/10	01:58	
60283-1	Ag	1.63852	1.95549	1.32155	27.35762	ug/L	08/19/10	02:03	
60283-1	Al	157515.37500	157596.42187	157434.34375	0.07275	ug/L	08/19/10	02:03	
60283-1	2Al	157.51840	157.59918	157.43762	0.07252	mg/L	08/19/10	02:03	
60283-1	As	112.36642	113.01290	111.71993	0.81365	ug/L	08/19/10	02:03	
60283-1	B	110.03799	110.82993	109.24604	1.01780	ug/L	08/19/10	02:03	
60283-1	Ba	1763.48730	1762.53979	1764.43481	0.07598	ug/L	08/19/10	02:03	
60283-1	Be	6.66573	6.66354	6.66792	0.04648	ug/L	08/19/10	02:03	
60283-1	Ca	747668.81250	747743.00000	747594.62500	0.01403	ug/L	08/19/10	02:03	
60283-1	Cd	22.46394	22.30297	22.62492	1.01339	ug/L	08/19/10	02:03	
60283-1	Co	64.00662	64.17418	63.83905	0.37023	ug/L	08/19/10	02:03	
60283-1	Cr	540.59106	540.71655	540.46563	0.03282	ug/L	08/19/10	02:03	
60283-1	Cu	927.50787	926.71313	928.30261	0.12117	ug/L	08/19/10	02:03	
60283-1	Fe	403338.21875	403162.50000	403513.93750	0.06161	ug/L	08/19/10	02:03	
60283-1	2Fe	403.25750	403.08090	403.43414	0.06194	mg/L	08/19/10	02:03	
60283-1	K	34209.73437	34210.96484	34208.50000	0.00509	ug/L	08/19/10	02:03	
60283-1	Mg	35807.74609	35798.12890	35817.36328	0.03798	ug/L	08/19/10	02:03	
60283-1	2Mg	35.72854	35.71895	35.73812	0.03794	mg/L	08/19/10	02:03	
60283-1	Mn	3962.92187	3961.33178	3964.51220	0.05674	ug/L	08/19/10	02:03	
60283-1	Mo	27.40716	29.21621	25.59811	9.33472	ug/L	08/19/10	02:03	
60283-1	Na	879.88500	704.84698	1054.92309	28.13335	ug/L	08/19/10	02:03	
60283-1	Ni	214.75148	214.03419	215.46876	0.47235	ug/L	08/19/10	02:03	
60283-1	Pb	16154.93359	16181.65429	16128.21191	0.23391	ug/L	08/19/10	02:03	
60283-1	Se	6.83553	9.85778	3.81328	62.52775	ug/L	08/19/10	02:03	
60283-1	Sb	14.84107	13.30155	16.38059	14.67017	ug/L	08/19/10	02:03	
60283-1	Sn	111.66484	113.84470	109.48499	2.76074	ug/L	08/19/10	02:03	
60283-1	Sr	970.34973	968.11614	972.58337	0.32553	ug/L	08/19/10	02:03	
60283-1	Ti	503.57931	503.51785	503.64077	0.01726	ug/L	08/19/10	02:03	
60283-1	Tl	-15.25048	-12.55204	-17.94892	25.02327	ug/L	08/19/10	02:03	
60283-1	V	255.75317	255.30836	256.19796	0.24595	ug/L	08/19/10	02:03	
60283-1	Zn	3480.74755	3482.49194	3479.00341	0.07086	ug/L	08/19/10	02:03	
60283-1	2203/1	16404.12109	16433.93164	16374.30957	0.25700	ug/L	08/19/10	02:03	
60283-1	2203/2	16030.52636	16055.70507	16005.34765	0.22212	ug/L	08/19/10	02:03	
60283-1	1960/1	-3.90798	-1.51357	-6.30238	86.64827	ug/L	08/19/10	02:03	
60283-1	1960/2	12.19923	15.53493	8.86353	38.66955	ug/L	08/19/10	02:03	
60283-1	Y	918.73400	917.29583	920.17218	0.22137		08/19/10	02:03	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60283-2	Ag	0.50407	0.19817	0.80996	85.82070	ug/L	08/19/10	02:08	
60283-2	Al	255880.39062	255501.01562	256259.76562	0.20967	ug/L	08/19/10	02:08	
60283-2	2Al	255.89065	255.50791	256.27337	0.21152	mg/L	08/19/10	02:08	
60283-2	As	34.97574	30.44239	39.50910	18.33020	ug/L	08/19/10	02:08	
60283-2	B	104.21758	101.59090	106.84426	3.56435	ug/L	08/19/10	02:08	
60283-2	Ba	1438.34765	1436.82031	1439.87500	0.15017	ug/L	08/19/10	02:08	
60283-2	Be	9.79264	9.79346	9.79182	0.01180	ug/L	08/19/10	02:08	
60283-2	Ca	550555.87500	549716.43750	551395.25000	0.21561	ug/L	08/19/10	02:08	
60283-2	Cd	3.28218	3.23394	3.33043	2.07877	ug/L	08/19/10	02:08	
60283-2	Co	89.44960	88.22417	90.67502	1.93741	ug/L	08/19/10	02:08	
60283-2	Cr	210.49969	209.06253	211.93684	0.96553	ug/L	08/19/10	02:08	
60283-2	Cu	104.90914	103.62367	106.19462	1.73286	ug/L	08/19/10	02:08	
60283-2	Fe	155939.64062	155801.89062	156077.39062	0.12492	ug/L	08/19/10	02:08	
60283-2	2Fe	155.91253	155.77235	156.05271	0.12715	mg/L	08/19/10	02:08	
60283-2	K	45991.26171	46014.46093	45968.06250	0.07133	ug/L	08/19/10	02:08	
60283-2	Mg	51924.17187	51825.40625	52022.93359	0.26899	ug/L	08/19/10	02:08	
60283-2	2Mg	51.88390	51.78519	51.98262	0.26906	mg/L	08/19/10	02:08	
60283-2	Mn	3948.50195	3944.86572	3952.13818	0.13023	ug/L	08/19/10	02:08	
60283-2	Mo	-0.83749	-0.14465	-1.53032	116.99397	ug/L	08/19/10	02:08	
60283-2	Na	1243.80468	1222.07751	1265.53186	2.47039	ug/L	08/19/10	02:08	
60283-2	Ni	124.53715	124.90399	124.17031	0.41657	ug/L	08/19/10	02:08	
60283-2	Pb	505.08746	505.96710	504.20782	0.24629	ug/L	08/19/10	02:08	
60283-2	Se	0.67829	3.97972	-2.62312	688.32696	ug/L	08/19/10	02:08	
60283-2	Sb	-2.68270	-3.13186	-2.23354	23.67785	ug/L	08/19/10	02:08	
60283-2	Sn	24.33493	26.93311	21.73676	15.09916	ug/L	08/19/10	02:08	
60283-2	Sr	837.33142	835.42504	839.23785	0.32198	ug/L	08/19/10	02:08	
60283-2	Ti	847.64404	845.81372	849.47430	0.30536	ug/L	08/19/10	02:08	
60283-2	Tl	-7.57761	-7.97887	-7.17634	7.48886	ug/L	08/19/10	02:08	
60283-2	V	309.32785	308.71771	309.93798	0.27894	ug/L	08/19/10	02:08	
60283-2	Zn	507.00158	505.19589	508.80728	0.50367	ug/L	08/19/10	02:08	
60283-2	2203/1	504.84136	513.27221	496.41055	2.36173	ug/L	08/19/10	02:08	
60283-2	2203/2	505.21032	502.32000	508.10061	0.80907	ug/L	08/19/10	02:08	
60283-2	1960/1	-9.75943	-3.51307	-16.00579	90.51433	ug/L	08/19/10	02:08	
60283-2	1960/2	5.88934	7.72050	4.05817	43.97188	ug/L	08/19/10	02:08	
60283-2	Y	946.67053	948.93603	944.40496	0.33844		08/19/10	02:08	
CCV	Ag	497.25231	499.68942	494.81518	0.69313	ug/L	08/19/10	02:14	
CCV	Al	5029.81103	5030.02929	5029.59277	0.00613	ug/L	08/19/10	02:14	
CCV	2Al	5.02999	5.03021	5.02977	0.00609	mg/L	08/19/10	02:14	
CCV	As	500.86001	500.10614	501.61389	0.21286	ug/L	08/19/10	02:14	
CCV	B	4912.88623	4918.86621	4906.90625	0.17213	ug/L	08/19/10	02:14	
CCV	Ba	4972.91308	4985.68652	4960.14013	0.36324	ug/L	08/19/10	02:14	
CCV	Be	497.61688	499.29751	495.93627	0.47762	ug/L	08/19/10	02:14	
CCV	Ca	5214.32519	5179.69531	5248.95556	0.93922	ug/L	08/19/10	02:14	
CCV	Cd	492.08294	493.89303	490.27288	0.52020	ug/L	08/19/10	02:14	
CCV	Co	503.13043	505.34460	500.91629	0.62236	ug/L	08/19/10	02:14	
CCV	Cr	4997.93847	5017.81005	4978.06689	0.56228	ug/L	08/19/10	02:14	
CCV	Cu	4963.19335	4976.93017	4949.45605	0.39142	ug/L	08/19/10	02:14	
CCV	Fe	4992.30468	4975.79492	5008.81445	0.46768	ug/L	08/19/10	02:14	
CCV	2Fe	4.99232	4.97582	5.00883	0.46755	mg/L	08/19/10	02:14	
CCV	K	10351.29492	10376.20996	10326.37890	0.34040	ug/L	08/19/10	02:14	
CCV	Mg	5229.37890	5249.63037	5209.12744	0.54767	ug/L	08/19/10	02:14	
CCV	2Mg	5.22934	5.24960	5.20908	0.54786	mg/L	08/19/10	02:14	
CCV	Mn	5070.66503	5091.49267	5049.83789	0.58087	ug/L	08/19/10	02:14	
CCV	Mo	491.52691	493.91485	489.13900	0.68704	ug/L	08/19/10	02:14	
CCV	Na	7618.69580	7626.74902	7610.64257	0.14948	ug/L	08/19/10	02:14	
CCV	Ni	2507.05078	2522.15332	2491.94824	0.85192	ug/L	08/19/10	02:14	
CCV	Pb	507.96160	513.24255	502.68069	1.47026	ug/L	08/19/10	02:14	
CCV	Se	4946.81982	4973.65527	4919.98437	0.76718	ug/L	08/19/10	02:14	
CCV	Sb	496.63787	495.12573	498.14999	0.43059	ug/L	08/19/10	02:14	
CCV	Sn	5160.57324	5182.74707	5138.39892	0.60766	ug/L	08/19/10	02:14	
CCV	Sr	2454.23779	2463.30078	2445.17504	0.52223	ug/L	08/19/10	02:14	
CCV	Ti	498.12841	499.92172	496.33511	0.50912	ug/L	08/19/10	02:14	
CCV	Tl	4972.06445	4981.32373	4962.80517	0.26336	ug/L	08/19/10	02:14	
CCV	V	5205.95117	5227.55517	5184.34716	0.58687	ug/L	08/19/10	02:14	
CCV	Zn	2555.25341	2568.10864	2542.39843	0.71146	ug/L	08/19/10	02:14	
CCV	2203/1	517.33654	520.81750	513.85552	0.95157	ug/L	08/19/10	02:14	
CCV	2203/2	503.27648	509.45602	497.09692	1.73646	ug/L	08/19/10	02:14	
CCV	1960/1	5061.98535	5086.82763	5037.14355	0.69403	ug/L	08/19/10	02:14	
CCV	1960/2	4889.32324	4917.15429	4861.49267	0.80499	ug/L	08/19/10	02:14	
CCV	Y	953.08221	948.46459	957.69982	0.68517		08/19/10	02:14	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.01200	-0.28442	0.26040	3208.22631	ug/L	08/19/10	02:19	
CCB	Al	-19.23517	-27.28011	-11.19023	59.14820	ug/L	08/19/10	02:19	
CCB	2Al	-0.01923	-0.02728	-0.01119	59.14813	mg/L	08/19/10	02:19	
CCB	As	-0.16779	-2.35133	2.01574	1840.36499	ug/L	08/19/10	02:19	
CCB	B	12.49059	13.38132	11.59986	10.08508	ug/L	08/19/10	02:19	
CCB	Ba	0.89108	0.11749	1.66467	122.77425	ug/L	08/19/10	02:19	
CCB	Be	0.20465	0.14491	0.26440	41.28293	ug/L	08/19/10	02:19	
CCB	Ca	23.85326	7.86807	39.83846	94.77310	ug/L	08/19/10	02:19	
CCB	Cd	-0.10648	-0.35250	0.13953	326.73901	ug/L	08/19/10	02:19	
CCB	Co	0.12376	0.16239	0.08513	44.14484	ug/L	08/19/10	02:19	
CCB	Cr	1.04654	0.64028	1.45281	54.89889	ug/L	08/19/10	02:19	
CCB	Cu	1.04529	0.11472	1.97585	125.89929	ug/L	08/19/10	02:19	
CCB	Fe	-9.33192	-13.41984	-5.24399	61.95083	ug/L	08/19/10	02:19	
CCB	2Fe	-0.00933	-0.01341	-0.00524	61.95257	mg/L	08/19/10	02:19	
CCB	K	5.88826	-2.11616	13.89268	192.24623	ug/L	08/19/10	02:19	
CCB	Mg	0.00556	-0.00088	0.01201	163.84780	ug/L	08/19/10	02:19	
CCB	2Mg	0.00000	0.00000	0.00001	112.43917	mg/L	08/19/10	02:19	
CCB	Mn	0.95556	0.19582	1.71530	112.43917	ug/L	08/19/10	02:19	
CCB	Mo	-0.24251	-1.25314	0.76812	589.35394	ug/L	08/19/10	02:19	
CCB	Na	46.37968	93.43289	-0.67352	143.47508	ug/L	08/19/10	02:19	
CCB	Ni	0.32173	-0.55111	1.19458	383.66571	ug/L	08/19/10	02:19	
CCB	Pb	3.06283	4.57172	1.55394	69.67058	ug/L	08/19/10	02:19	
CCB	Se	-0.05024	2.32146	-2.42195	6675.83056	ug/L	08/19/10	02:19	
CCB	Sb	-5.63089	-7.14742	-4.11436	38.08806	ug/L	08/19/10	02:19	
CCB	Sn	0.85164	0.42058	1.28269	71.58048	ug/L	08/19/10	02:19	
CCB	Sr	0.45232	0.14726	0.75739	95.37780	ug/L	08/19/10	02:19	
CCB	Ti	0.26607	0.21120	0.32095	29.16370	ug/L	08/19/10	02:19	
CCB	Tl	4.18010	7.94360	0.41661	127.32651	ug/L	08/19/10	02:19	
CCB	V	1.24090	0.63894	1.84287	68.60309	ug/L	08/19/10	02:19	
CCB	Zn	0.48944	-0.25691	1.23579	215.65397	ug/L	08/19/10	02:19	
CCB	2203/1	2.12456	5.05583	-0.80670	195.11940	ug/L	08/19/10	02:19	
CCB	2203/2	3.53126	4.33003	2.73249	31.98938	ug/L	08/19/10	02:19	
CCB	1960/1	-0.67098	0.73473	-2.07669	296.27835	ug/L	08/19/10	02:19	
CCB	1960/2	0.25966	3.11364	-2.59432	1554.37866	ug/L	08/19/10	02:19	
CCB	Y	954.67913	955.74694	953.61132	0.15817		08/19/10	02:19	
60283-3	Ag	1.71974	1.91733	1.52216	16.24831	ug/L	08/19/10	02:25	
60283-3	Al	101508.44531	101544.32812	101472.56250	0.04999	ug/L	08/19/10	02:25	
60283-3	2Al	101.51276	101.54681	101.47871	0.04743	mg/L	08/19/10	02:25	
60283-3	As	60.03501	60.93801	59.13202	2.12713	ug/L	08/19/10	02:25	
60283-3	B	102.33566	101.34729	103.32404	1.36587	ug/L	08/19/10	02:25	
60283-3	Ba	1324.58581	1324.55737	1324.61425	0.00303	ug/L	08/19/10	02:25	
60283-3	Be	4.60279	4.60288	4.60270	0.00265	ug/L	08/19/10	02:25	
60283-3	Ca	1350278.50000	1351758.75000	1348798.25000	0.15503	ug/L	08/19/10	02:25	
60283-3	Cd	32.19531	32.07848	32.31214	0.51317	ug/L	08/19/10	02:25	
60283-3	Co	36.91443	36.98244	36.84642	0.26055	ug/L	08/19/10	02:25	
60283-3	Cr	361.91528	362.38299	361.44757	0.18276	ug/L	08/19/10	02:25	
60283-3	Cu	868.96856	869.60711	868.33001	0.10392	ug/L	08/19/10	02:25	
60283-3	Fe	167746.53125	167850.64062	167642.40625	0.08777	ug/L	08/19/10	02:25	
60283-3	2Fe	167.71752	167.81903	167.61604	0.08558	mg/L	08/19/10	02:25	
60283-3	K	25514.88281	25509.30859	25520.45507	0.03089	ug/L	08/19/10	02:25	
60283-3	Mg	27312.95703	27336.40039	27289.51562	0.12138	ug/L	08/19/10	02:25	
60283-3	2Mg	27.27659	27.30001	27.25317	0.12141	mg/L	08/19/10	02:25	
60283-3	Mn	1832.04956	1832.89050	1831.20861	0.06491	ug/L	08/19/10	02:25	
60283-3	Mo	13.45999	13.33544	13.58454	1.30862	ug/L	08/19/10	02:25	
60283-3	Na	750.08862	584.13208	916.04510	31.28936	ug/L	08/19/10	02:25	
60283-3	Ni	155.88507	156.38771	155.38241	0.45600	ug/L	08/19/10	02:25	
60283-3	Pb	15757.88671	15804.05761	15711.71679	0.41436	ug/L	08/19/10	02:25	
60283-3	Se	3.96286	2.08270	5.84301	67.09654	ug/L	08/19/10	02:25	
60283-3	Sb	25.41998	26.78803	24.05193	7.61100	ug/L	08/19/10	02:25	
60283-3	Sn	504.41534	504.01599	504.81469	0.11196	ug/L	08/19/10	02:25	
60283-3	Sr	1284.89489	1283.93420	1285.85559	0.10573	ug/L	08/19/10	02:25	
60283-3	Ti	534.47631	534.22332	534.72930	0.06694	ug/L	08/19/10	02:25	
60283-3	Tl	-7.63190	-4.95191	-10.31189	49.66104	ug/L	08/19/10	02:25	
60283-3	V	216.96366	216.40557	217.52175	0.36377	ug/L	08/19/10	02:25	
60283-3	Zn	7257.22656	7270.00390	7244.44970	0.24898	ug/L	08/19/10	02:25	
60283-3	2203/1	16040.91015	16088.39843	15993.42089	0.41867	ug/L	08/19/10	02:25	
60283-3	2203/2	15616.58789	15662.10058	15571.07617	0.41215	ug/L	08/19/10	02:25	
60283-3	1960/1	1.33403	-1.53178	4.19986	303.80593	ug/L	08/19/10	02:25	
60283-3	1960/2	5.27530	3.88723	6.66336	37.21143	ug/L	08/19/10	02:25	
60283-3	Y	905.31408	901.09576	909.53247	0.65895		08/19/10	02:25	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60283-4	Ag	0.77725	0.44267	1.11182	60.87610	ug/L	08/19/10	02:30	
60283-4	Al	183260.68750	183393.28125	183128.09375	0.10232	ug/L	08/19/10	02:30	
60283-4	2Al	183.27392	183.40530	183.14256	0.10137	mg/L	08/19/10	02:30	
60283-4	As	25.01153	24.19709	25.82596	4.60502	ug/L	08/19/10	02:30	
60283-4	B	84.00124	84.62384	83.37864	1.04818	ug/L	08/19/10	02:30	
60283-4	Ba	977.19982	977.52545	976.87420	0.04712	ug/L	08/19/10	02:30	
60283-4	Be	8.08720	8.09257	8.08184	0.09379	ug/L	08/19/10	02:30	
60283-4	Ca	584427.56250	584773.43750	584081.68750	0.08369	ug/L	08/19/10	02:30	
60283-4	Cd	7.12960	6.91315	7.34604	4.29341	ug/L	08/19/10	02:30	
60283-4	Co	46.92462	46.95097	46.89826	0.07942	ug/L	08/19/10	02:30	
60283-4	Cr	165.51348	165.75059	165.27639	0.20258	ug/L	08/19/10	02:30	
60283-4	Cu	113.16683	113.17861	113.15504	0.01473	ug/L	08/19/10	02:30	
60283-4	Fe	122577.12500	122746.84375	122407.40625	0.19581	ug/L	08/19/10	02:30	
60283-4	2Fe	122.55917	122.72805	122.39028	0.19488	mg/L	08/19/10	02:30	
60283-4	K	36122.88281	36169.41796	36076.34375	0.18219	ug/L	08/19/10	02:30	
60283-4	Mg	40685.17578	40716.06640	40654.28515	0.10737	ug/L	08/19/10	02:30	
60283-4	2Mg	40.65372	40.68457	40.62286	0.10733	mg/L	08/19/10	02:30	
60283-4	Mn	3448.71533	3450.98657	3446.44409	0.09313	ug/L	08/19/10	02:30	
60283-4	Mo	-0.42551	-0.61073	-0.24030	61.55644	ug/L	08/19/10	02:30	
60283-4	Na	1050.28247	1106.00878	994.55609	7.50359	ug/L	08/19/10	02:30	
60283-4	Ni	108.25273	109.35851	107.14696	1.44458	ug/L	08/19/10	02:30	
60283-4	Pb	806.18798	799.79687	812.57904	1.12112	ug/L	08/19/10	02:30	
60283-4	Se	1.98759	2.79826	1.17693	57.68024	ug/L	08/19/10	02:30	
60283-4	Sb	-3.22314	-6.42784	-0.01844	140.61186	ug/L	08/19/10	02:30	
60283-4	Sn	22.07438	22.73294	21.41583	4.21907	ug/L	08/19/10	02:30	
60283-4	Sr	897.31909	896.35430	898.28387	0.15205	ug/L	08/19/10	02:30	
60283-4	Ti	476.75286	477.37509	476.13064	0.18457	ug/L	08/19/10	02:30	
60283-4	Tl	-3.34016	-3.64597	-3.03435	12.94793	ug/L	08/19/10	02:30	
60283-4	V	249.52066	249.13717	249.90414	0.21734	ug/L	08/19/10	02:30	
60283-4	Zn	730.82946	730.82373	730.83514	0.00110	ug/L	08/19/10	02:30	
60283-4	2203/1	813.98059	808.80322	819.15795	0.89951	ug/L	08/19/10	02:30	
60283-4	2203/2	802.29748	795.30047	809.29449	1.23336	ug/L	08/19/10	02:30	
60283-4	1960/1	1.43412	0.13185	2.73639	128.41889	ug/L	08/19/10	02:30	
60283-4	1960/2	2.26392	4.12946	0.39837	116.53600	ug/L	08/19/10	02:30	
60283-4	Y	953.26019	954.72723	951.79315	0.21764		08/19/10	02:30	
60283-5	Ag	7.74856	7.71696	7.78016	0.57674	ug/L	08/19/10	02:35	
60283-5	Al	93761.24218	93826.74218	93695.74218	0.09879	ug/L	08/19/10	02:35	
60283-5	2Al	93.76720	93.83347	93.70093	0.09994	mg/L	08/19/10	02:35	
60283-5	As	61.45322	58.47824	64.42820	6.84627	ug/L	08/19/10	02:35	
60283-5	B	71.43650	72.64166	70.23134	2.38582	ug/L	08/19/10	02:35	
60283-5	Ba	2263.49414	2263.03491	2263.95361	0.02869	ug/L	08/19/10	02:35	
60283-5	Be	4.56712	4.55560	4.57863	0.35644	ug/L	08/19/10	02:35	
60283-5	Ca	1563745.50000	1564222.62500	1563268.50000	0.04314	ug/L	08/19/10	02:35	
60283-5	Cd	27.77076	28.01675	27.52477	1.25270	ug/L	08/19/10	02:35	
60283-5	Co	35.49655	35.68336	35.30973	0.74428	ug/L	08/19/10	02:35	
60283-5	Cr	204.16780	204.62123	203.71437	0.31407	ug/L	08/19/10	02:35	
60283-5	Cu	870.77612	871.12127	870.43096	0.05605	ug/L	08/19/10	02:35	
60283-5	Fe	148476.17187	148485.42187	148466.92187	0.00881	ug/L	08/19/10	02:35	
60283-5	2Fe	148.45397	148.46493	148.44302	0.01043	mg/L	08/19/10	02:35	
60283-5	K	22885.51171	22900.18945	22870.83593	0.09069	ug/L	08/19/10	02:35	
60283-5	Mg	27009.31250	27014.72460	27003.90039	0.02833	ug/L	08/19/10	02:35	
60283-5	2Mg	26.97637	26.98178	26.97096	0.02835	mg/L	08/19/10	02:35	
60283-5	Mn	1716.89648	1718.31213	1715.48095	0.11660	ug/L	08/19/10	02:35	
60283-5	Mo	7.31735	6.31239	8.32230	19.42264	ug/L	08/19/10	02:35	
60283-5	Na	908.16357	888.33557	927.99157	3.08766	ug/L	08/19/10	02:35	
60283-5	Ni	111.39930	112.43757	110.36103	1.31808	ug/L	08/19/10	02:35	
60283-5	Pb	25897.69921	25926.34179	25869.05468	0.15641	ug/L	08/19/10	02:35	
60283-5	Se	3.42682	4.07055	2.78308	26.56614	ug/L	08/19/10	02:35	
60283-5	Sb	11.14578	8.16651	14.12504	37.80188	ug/L	08/19/10	02:35	
60283-5	Sn	3676.51293	3680.68872	3672.33715	0.16062	ug/L	08/19/10	02:35	
60283-5	Sr	1667.05249	1665.06201	1669.04296	0.16885	ug/L	08/19/10	02:35	
60283-5	Ti	383.11361	383.06219	383.16503	0.01898	ug/L	08/19/10	02:35	
60283-5	Tl	-10.46468	-9.13715	-11.79221	17.94044	ug/L	08/19/10	02:35	
60283-5	V	230.27999	230.61215	229.94784	0.20398	ug/L	08/19/10	02:35	
60283-5	Zn	5124.67871	5128.09130	5121.26611	0.09417	ug/L	08/19/10	02:35	
60283-5	2203/1	26291.74414	26315.31445	26268.17382	0.12678	ug/L	08/19/10	02:35	
60283-5	2203/2	25700.97070	25732.14648	25669.79492	0.17154	ug/L	08/19/10	02:35	
60283-5	1960/1	9.31879	3.22782	15.40976	92.43617	ug/L	08/19/10	02:35	
60283-5	1960/2	0.48525	4.49128	-3.52078	1167.51257	ug/L	08/19/10	02:35	
60283-5	Y	915.27081	915.26599	915.27563	0.00074		08/19/10	02:35	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60283-6	Ag	-0.06784	0.26367	-0.39935	691.06658	ug/L	08/19/10	02:41	
60283-6	Al	228707.43750	228404.51562	229010.34375	0.18730	ug/L	08/19/10	02:41	
60283-6	2Al	228.71903	228.41067	229.02740	0.19066	mg/L	08/19/10	02:41	
60283-6	As	22.88920	20.68265	25.09574	13.63315	ug/L	08/19/10	02:41	
60283-6	B	100.46928	100.67920	100.25936	0.29548	ug/L	08/19/10	02:41	
60283-6	Ba	1213.14294	1211.84191	1214.44396	0.15166	ug/L	08/19/10	02:41	
60283-6	Be	9.76940	9.79332	9.74549	0.34618	ug/L	08/19/10	02:41	
60283-6	Ca	495849.43750	495350.90625	496347.96875	0.14218	ug/L	08/19/10	02:41	
60283-6	Cd	3.28217	3.32133	3.24300	1.68757	ug/L	08/19/10	02:41	
60283-6	Co	53.45515	53.43626	53.47404	0.04998	ug/L	08/19/10	02:41	
60283-6	Cr	206.62536	206.48620	206.76452	0.09524	ug/L	08/19/10	02:41	
60283-6	Cu	129.89001	129.48016	130.29986	0.44623	ug/L	08/19/10	02:41	
60283-6	Fe	144049.78125	143913.15625	144186.39062	0.13412	ug/L	08/19/10	02:41	
60283-6	2Fe	144.02590	143.88529	144.16651	0.13806	mg/L	08/19/10	02:41	
60283-6	K	43433.02343	43432.84375	43433.19921	0.00057	ug/L	08/19/10	02:41	
60283-6	Mg	49085.89062	49023.13281	49148.65234	0.18081	ug/L	08/19/10	02:41	
60283-6	2Mg	49.04810	48.98538	49.11082	0.18083	mg/L	08/19/10	02:41	
60283-6	Mn	3041.82421	3037.81005	3045.83837	0.18662	ug/L	08/19/10	02:41	
60283-6	Mo	-0.16321	-0.52912	0.20270	317.06027	ug/L	08/19/10	02:41	
60283-6	Na	1517.99121	1505.86230	1530.12011	1.12997	ug/L	08/19/10	02:41	
60283-6	Ni	116.97319	116.74726	117.19911	0.27314	ug/L	08/19/10	02:41	
60283-6	Pb	592.13891	592.54968	591.72814	0.09810	ug/L	08/19/10	02:41	
60283-6	Se	3.84350	6.28108	1.40593	89.69023	ug/L	08/19/10	02:41	
60283-6	Sb	-4.79194	-5.24977	-4.33411	13.51171	ug/L	08/19/10	02:41	
60283-6	Sn	34.40774	34.94703	33.86845	2.21658	ug/L	08/19/10	02:41	
60283-6	Sr	825.44543	824.68731	826.20361	0.12989	ug/L	08/19/10	02:41	
60283-6	Ti	559.85156	559.48333	560.21972	0.09300	ug/L	08/19/10	02:41	
60283-6	Tl	-5.23099	-4.59169	-5.87028	17.28354	ug/L	08/19/10	02:41	
60283-6	V	274.08084	273.41192	274.74975	0.34514	ug/L	08/19/10	02:41	
60283-6	Zn	545.96472	545.97753	545.95190	0.00332	ug/L	08/19/10	02:41	
60283-6	2203/1	598.89801	597.31591	600.48010	0.37358	ug/L	08/19/10	02:41	
60283-6	2203/2	588.76446	590.17016	587.35876	0.33764	ug/L	08/19/10	02:41	
60283-6	1960/1	-3.66169	-1.29296	-6.03041	91.48452	ug/L	08/19/10	02:41	
60283-6	1960/2	7.59048	10.06242	5.11853	46.05587	ug/L	08/19/10	02:41	
60283-6	Y	964.49157	966.60797	962.37512	0.31032		08/19/10	02:41	
60283-7	Ag	1.06017	0.50333	1.61701	74.27879	ug/L	08/19/10	02:46	
60283-7	Al	198117.09375	197824.59375	198409.59375	0.20879	ug/L	08/19/10	02:46	
60283-7	2Al	198.12110	197.82353	198.41868	0.21241	mg/L	08/19/10	02:46	
60283-7	As	35.55691	31.53701	39.57682	15.98845	ug/L	08/19/10	02:46	
60283-7	B	132.82102	132.81141	132.83064	0.01023	ug/L	08/19/10	02:46	
60283-7	Ba	1339.84375	1337.99438	1341.69299	0.19519	ug/L	08/19/10	02:46	
60283-7	Be	8.09642	8.09050	8.10233	0.10337	ug/L	08/19/10	02:46	
60283-7	Ca	804556.56250	803024.31250	806088.81250	0.26933	ug/L	08/19/10	02:46	
60283-7	Cd	14.16961	13.81669	14.52253	3.52235	ug/L	08/19/10	02:46	
60283-7	Co	47.30685	47.20742	47.40628	0.29725	ug/L	08/19/10	02:46	
60283-7	Cr	242.98590	243.02679	242.94499	0.02380	ug/L	08/19/10	02:46	
60283-7	Cu	363.36654	362.98916	363.74392	0.14687	ug/L	08/19/10	02:46	
60283-7	Fe	137221.56250	137023.01562	137420.09375	0.20461	ug/L	08/19/10	02:46	
60283-7	2Fe	137.19430	136.99252	137.39607	0.20799	mg/L	08/19/10	02:46	
60283-7	K	44504.05468	44499.36328	44508.75000	0.01491	ug/L	08/19/10	02:46	
60283-7	Mg	42017.21093	41959.71875	42074.69921	0.19350	ug/L	08/19/10	02:46	
60283-7	2Mg	41.98223	41.92479	42.03966	0.19347	mg/L	08/19/10	02:46	
60283-7	Mn	2186.15795	2184.05541	2188.26049	0.13601	ug/L	08/19/10	02:46	
60283-7	Mo	3.54900	2.82756	4.27043	28.74795	ug/L	08/19/10	02:46	
60283-7	Na	829.58117	807.28399	851.87835	3.80107	ug/L	08/19/10	02:46	
60283-7	Ni	120.84416	121.19031	120.49802	0.40508	ug/L	08/19/10	02:46	
60283-7	Pb	4263.11523	4242.51660	4283.71386	0.68332	ug/L	08/19/10	02:46	
60283-7	Se	4.44505	4.17991	4.71019	8.43559	ug/L	08/19/10	02:46	
60283-7	Sb	-1.91611	-1.98182	-1.85040	4.85009	ug/L	08/19/10	02:46	
60283-7	Sn	53.17320	51.45814	54.88825	4.56142	ug/L	08/19/10	02:46	
60283-7	Sr	977.20349	976.96356	977.44342	0.03472	ug/L	08/19/10	02:46	
60283-7	Ti	560.86822	559.72155	562.01489	0.28912	ug/L	08/19/10	02:46	
60283-7	Tl	-5.56115	-0.96676	-10.15554	116.83634	ug/L	08/19/10	02:46	
60283-7	V	270.88806	270.99435	270.78176	0.05549	ug/L	08/19/10	02:46	
60283-7	Zn	2139.82421	2136.87475	2142.77343	0.19492	ug/L	08/19/10	02:46	
60283-7	2203/1	4324.72119	4307.46240	4341.97998	0.56437	ug/L	08/19/10	02:46	
60283-7	2203/2	4232.35839	4210.09228	4254.62451	0.74400	ug/L	08/19/10	02:46	
60283-7	1960/1	2.11341	0.88687	3.33994	82.07523	ug/L	08/19/10	02:46	
60283-7	1960/2	5.60912	5.82396	5.39429	5.41659	ug/L	08/19/10	02:46	
60283-7	Y	940.45599	944.83789	936.07409	0.65892		08/19/10	02:46	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60283-8	Ag	0.68238	0.68278	0.68199	0.08129	ug/L	08/19/10	02:51	
60283-8	Al	258654.56250	258817.35937	258491.76562	0.08901	ug/L	08/19/10	02:51	
60283-8	2Al	258.66577	258.82443	258.50708	0.08675	mg/L	08/19/10	02:51	
60283-8	As	37.43193	35.28139	39.58247	8.12494	ug/L	08/19/10	02:51	
60283-8	B	205.56356	205.33670	205.79043	0.15607	ug/L	08/19/10	02:51	
60283-8	Ba	1287.40283	1287.92370	1286.88183	0.05722	ug/L	08/19/10	02:51	
60283-8	Be	10.32032	10.33025	10.31040	0.13604	ug/L	08/19/10	02:51	
60283-8	Ca	279634.90625	279837.12500	279432.68750	0.10226	ug/L	08/19/10	02:51	
60283-8	Cd	2.72193	2.46715	2.97672	13.23764	ug/L	08/19/10	02:51	
60283-8	Co	59.72520	60.09558	59.35481	0.87702	ug/L	08/19/10	02:51	
60283-8	Cr	221.41281	221.75614	221.06947	0.21929	ug/L	08/19/10	02:51	
60283-8	Cu	117.49757	117.51859	117.47654	0.02530	ug/L	08/19/10	02:51	
60283-8	Fe	164209.45312	164303.57812	164115.32812	0.08106	ug/L	08/19/10	02:51	
60283-8	2Fe	164.18145	164.27314	164.08975	0.07898	mg/L	08/19/10	02:51	
60283-8	K	48899.25000	48923.50390	48875.00000	0.07013	ug/L	08/19/10	02:51	
60283-8	Mg	54677.71093	54730.48046	54624.93750	0.13649	ug/L	08/19/10	02:51	
60283-8	2Mg	54.63466	54.68740	54.58192	0.13652	mg/L	08/19/10	02:51	
60283-8	Mn	2748.79785	2750.47631	2747.11962	0.08634	ug/L	08/19/10	02:51	
60283-8	Mo	1.63438	1.64091	1.62785	0.56477	ug/L	08/19/10	02:51	
60283-8	Na	3048.10839	2988.89013	3107.32666	2.74751	ug/L	08/19/10	02:51	
60283-8	Ni	119.79358	119.38231	120.20485	0.48552	ug/L	08/19/10	02:51	
60283-8	Pb	298.86703	296.48025	301.25381	1.12940	ug/L	08/19/10	02:51	
60283-8	Se	-0.57486	3.94832	-5.09804	1112.74755	ug/L	08/19/10	02:51	
60283-8	Sb	0.06485	3.11154	-2.98182	6643.13574	ug/L	08/19/10	02:51	
60283-8	Sn	18.76098	20.98229	16.53966	16.74438	ug/L	08/19/10	02:51	
60283-8	Sr	707.60632	706.27697	708.93566	0.26568	ug/L	08/19/10	02:51	
60283-8	Ti	755.57556	755.47363	755.67749	0.01907	ug/L	08/19/10	02:51	
60283-8	Tl	-5.96571	-2.25042	-9.68099	88.07344	ug/L	08/19/10	02:51	
60283-8	V	290.55050	290.90872	290.19229	0.17435	ug/L	08/19/10	02:51	
60283-8	Zn	583.54724	584.40759	582.68682	0.20851	ug/L	08/19/10	02:51	
60283-8	2203/1	297.12762	296.51736	297.73785	0.29045	ug/L	08/19/10	02:51	
60283-8	2203/2	299.73544	296.46173	303.00915	1.54460	ug/L	08/19/10	02:51	
60283-8	1960/1	-3.17066	0.15229	-6.49362	148.21403	ug/L	08/19/10	02:51	
60283-8	1960/2	0.72109	5.84349	-4.40130	1004.60449	ug/L	08/19/10	02:51	
60283-8	Y	970.38861	968.26257	972.51464	0.30984		08/19/10	02:51	
60283-9	Ag	0.71994	0.75061	0.68926	6.02563	ug/L	08/19/10	02:56	
60283-9	Al	142336.00000	142291.18750	142380.81250	0.04452	ug/L	08/19/10	02:56	
60283-9	2Al	142.33781	142.29049	142.38513	0.04701	mg/L	08/19/10	02:56	
60283-9	As	42.24662	42.78292	41.71032	1.79527	ug/L	08/19/10	02:56	
60283-9	B	129.86936	130.51193	129.22680	0.69971	ug/L	08/19/10	02:56	
60283-9	Ba	1398.32446	1397.45129	1399.19750	0.08830	ug/L	08/19/10	02:56	
60283-9	Be	6.49783	6.47391	6.52175	0.52060	ug/L	08/19/10	02:56	
60283-9	Ca	867260.81250	866890.75000	867630.87500	0.06034	ug/L	08/19/10	02:56	
60283-9	Cd	20.61198	20.78770	20.43627	1.20559	ug/L	08/19/10	02:56	
60283-9	Co	45.61750	45.21269	46.02231	1.25496	ug/L	08/19/10	02:56	
60283-9	Cr	206.70686	206.97615	206.43757	0.18423	ug/L	08/19/10	02:56	
60283-9	Cu	637.14666	637.11804	637.17529	0.00635	ug/L	08/19/10	02:56	
60283-9	Fe	135629.15625	135556.40625	135701.92187	0.07586	ug/L	08/19/10	02:56	
60283-9	2Fe	135.60119	135.52598	135.67642	0.07844	mg/L	08/19/10	02:56	
60283-9	K	37228.28125	37197.47656	37259.08984	0.11702	ug/L	08/19/10	02:56	
60283-9	Mg	34600.80859	34590.50390	34611.11328	0.04211	ug/L	08/19/10	02:56	
60283-9	2Mg	34.56809	34.55780	34.57838	0.04210	mg/L	08/19/10	02:56	
60283-9	Mn	1963.49536	1961.85473	1965.13610	0.11817	ug/L	08/19/10	02:56	
60283-9	Mo	5.63001	6.04252	5.21750	10.36188	ug/L	08/19/10	02:56	
60283-9	Na	1081.38659	1329.81359	832.95965	32.48873	ug/L	08/19/10	02:56	
60283-9	Ni	135.36030	135.20516	135.51544	0.16208	ug/L	08/19/10	02:56	
60283-9	Pb	5622.50976	5612.42675	5632.59326	0.25362	ug/L	08/19/10	02:56	
60283-9	Se	4.17112	6.92135	1.42090	93.24586	ug/L	08/19/10	02:56	
60283-9	Sb	5.08730	4.75562	5.41898	9.22037	ug/L	08/19/10	02:56	
60283-9	Sn	262.71032	259.67193	265.74874	1.63562	ug/L	08/19/10	02:56	
60283-9	Sr	1227.34936	1227.46411	1227.23461	0.01322	ug/L	08/19/10	02:56	
60283-9	Ti	473.55343	472.97482	474.13204	0.17279	ug/L	08/19/10	02:56	
60283-9	Tl	-4.94156	-8.36670	-1.51641	98.02347	ug/L	08/19/10	02:56	
60283-9	V	239.47807	239.39715	239.55899	0.04778	ug/L	08/19/10	02:56	
60283-9	Zn	3061.97753	3057.18286	3066.77246	0.22145	ug/L	08/19/10	02:56	
60283-9	2203/1	5704.20312	5695.16748	5713.23925	0.22402	ug/L	08/19/10	02:56	
60283-9	2203/2	5581.72460	5571.11865	5592.33056	0.26871	ug/L	08/19/10	02:56	
60283-9	1960/1	3.55181	7.93107	-0.82743	174.36682	ug/L	08/19/10	02:56	
60283-9	1960/2	4.48031	6.41724	2.54338	61.13932	ug/L	08/19/10	02:56	
60283-9	Y	935.66040	936.84368	934.47717	0.17884		08/19/10	02:56	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60283-10	Ag	0.20878	0.03272	0.38483	119.25451	ug/L	08/19/10	03:02	
60283-10	Al	236653.84375	236446.42187	236861.26562	0.12395	ug/L	08/19/10	03:02	
60283-10	2Al	236.66934	236.46644	236.87222	0.12123	mg/L	08/19/10	03:02	
60283-10	As	25.39691	29.20277	21.59105	21.19271	ug/L	08/19/10	03:02	
60283-10	B	88.11668	89.96008	86.27327	2.95853	ug/L	08/19/10	03:02	
60283-10	Ba	1116.42407	1113.80615	1119.04187	0.33161	ug/L	08/19/10	03:02	
60283-10	Be	9.76867	9.81146	9.72589	0.61936	ug/L	08/19/10	03:02	
60283-10	Ca	150729.62500	151381.45312	150077.78125	0.61158	ug/L	08/19/10	03:02	
60283-10	Cd	2.38931	2.12200	2.65661	15.82161	ug/L	08/19/10	03:02	
60283-10	Co	67.65515	68.36511	66.94519	1.48405	ug/L	08/19/10	03:02	
60283-10	Cr	209.98318	211.42333	208.54301	0.96993	ug/L	08/19/10	03:02	
60283-10	Cu	106.23813	106.58714	105.88912	0.46458	ug/L	08/19/10	03:02	
60283-10	Fe	161242.89062	161685.90625	160799.87500	0.38855	ug/L	08/19/10	03:02	
60283-10	2Fe	161.21929	161.66545	160.77316	0.39135	mg/L	08/19/10	03:02	
60283-10	K	46443.85937	46283.44140	46604.28125	0.48847	ug/L	08/19/10	03:02	
60283-10	Mg	47603.93359	47811.12500	47396.74218	0.61552	ug/L	08/19/10	03:02	
60283-10	2Mg	47.56401	47.77106	47.35695	0.61563	mg/L	08/19/10	03:02	
60283-10	Mn	4064.14306	4072.28076	4056.00537	0.28317	ug/L	08/19/10	03:02	
60283-10	Mo	0.57762	-0.09904	1.25429	165.66996	ug/L	08/19/10	03:02	
60283-10	Na	4813.11181	4898.44873	4727.77490	2.50741	ug/L	08/19/10	03:02	
60283-10	Ni	131.68524	131.49940	131.87106	0.19956	ug/L	08/19/10	03:02	
60283-10	Pb	171.16442	171.91329	170.41557	0.61873	ug/L	08/19/10	03:02	
60283-10	Se	0.72715	-1.56522	3.01952	445.83618	ug/L	08/19/10	03:02	
60283-10	Sb	-0.17824	1.99506	-2.35154	1724.34155	ug/L	08/19/10	03:02	
60283-10	Sn	24.29654	21.54573	27.04736	16.01149	ug/L	08/19/10	03:02	
60283-10	Sr	571.63885	570.39947	572.87823	0.30661	ug/L	08/19/10	03:02	
60283-10	Ti	775.98156	776.71594	775.24719	0.13383	ug/L	08/19/10	03:02	
60283-10	Tl	-1.22333	-0.85461	-1.59205	42.62510	ug/L	08/19/10	03:02	
60283-10	V	297.11508	297.36920	296.86096	0.12095	ug/L	08/19/10	03:02	
60283-10	Zn	493.22729	497.87890	488.57565	1.33374	ug/L	08/19/10	03:02	
60283-10	2203/1	169.29193	169.04959	169.53428	0.20244	ug/L	08/19/10	03:02	
60283-10	2203/2	172.09927	173.34301	170.85554	1.02203	ug/L	08/19/10	03:02	
60283-10	1960/1	-2.08683	-7.55906	3.38539	370.84436	ug/L	08/19/10	03:02	
60283-10	1960/2	2.13203	1.42720	2.83685	46.75223	ug/L	08/19/10	03:02	
60283-10	Y	980.98986	984.51074	977.46893	0.50758		08/19/10	03:02	
60273-1	Ag	-0.04451	-0.30404	0.21501	824.46423	ug/L	08/19/10	03:07	
60273-1	Al	51666.92187	51714.98437	51618.86328	0.13155	ug/L	08/19/10	03:07	
60273-1	2Al	51.66966	51.71936	51.61996	0.13602	mg/L	08/19/10	03:07	
60273-1	As	23.62998	24.66182	22.59813	6.17543	ug/L	08/19/10	03:07	
60273-1	B	-10.21133	-10.06135	-10.36132	2.07721	ug/L	08/19/10	03:07	
60273-1	Ba	196.18957	196.30384	196.07531	0.08236	ug/L	08/19/10	03:07	
60273-1	Be	5.05330	5.04311	5.06348	0.28503	ug/L	08/19/10	03:07	
60273-1	Ca	16052.86132	16060.69433	16045.02929	0.06900	ug/L	08/19/10	03:07	
60273-1	Cd	-0.38294	-0.27900	-0.48688	38.38527	ug/L	08/19/10	03:07	
60273-1	Co	37.48545	38.38497	36.58594	3.39361	ug/L	08/19/10	03:07	
60273-1	Cr	78.09971	77.96579	78.23364	0.24250	ug/L	08/19/10	03:07	
60273-1	Cu	95.00770	94.89550	95.11990	0.16701	ug/L	08/19/10	03:07	
60273-1	Fe	94451.82812	94493.72656	94409.92968	0.06273	ug/L	08/19/10	03:07	
60273-1	2Fe	94.43678	94.48176	94.39179	0.06736	mg/L	08/19/10	03:07	
60273-1	K	4148.10449	4158.67773	4137.53125	0.36047	ug/L	08/19/10	03:07	
60273-1	Mg	21964.94140	21985.06054	21944.82031	0.12954	ug/L	08/19/10	03:07	
60273-1	2Mg	21.94266	21.96277	21.92256	0.12959	mg/L	08/19/10	03:07	
60273-1	Mn	1169.59521	1169.82983	1169.36059	0.02836	ug/L	08/19/10	03:07	
60273-1	Mo	2.88591	4.15092	1.62089	61.99105	ug/L	08/19/10	03:07	
60273-1	Na	268.01611	358.50982	177.52236	47.74991	ug/L	08/19/10	03:07	
60273-1	Ni	59.20769	59.10649	59.30890	0.24173	ug/L	08/19/10	03:07	
60273-1	Pb	41.20824	40.87003	41.54645	1.16069	ug/L	08/19/10	03:07	
60273-1	Se	-0.19369	1.56898	-1.95638	1286.97241	ug/L	08/19/10	03:07	
60273-1	Sb	-0.34106	-0.08994	-0.59219	104.12648	ug/L	08/19/10	03:07	
60273-1	Sn	22.00394	22.31351	21.69436	1.98967	ug/L	08/19/10	03:07	
60273-1	Sr	113.05124	113.07656	113.02593	0.03166	ug/L	08/19/10	03:07	
60273-1	Ti	3235.35205	3237.22485	3233.47949	0.08185	ug/L	08/19/10	03:07	
60273-1	Tl	-3.27778	-5.39617	-1.15939	91.39885	ug/L	08/19/10	03:07	
60273-1	V	167.79519	168.27238	167.31802	0.40217	ug/L	08/19/10	03:07	
60273-1	Zn	270.26318	270.12295	270.40344	0.07338	ug/L	08/19/10	03:07	
60273-1	2203/1	43.51305	41.31693	45.70918	7.13760	ug/L	08/19/10	03:07	
60273-1	2203/2	40.05756	40.64691	39.46820	2.08069	ug/L	08/19/10	03:07	
60273-1	1960/1	-4.83416	-1.20624	-8.46208	106.13323	ug/L	08/19/10	03:07	
60273-1	1960/2	2.12305	2.95452	1.29159	55.38562	ug/L	08/19/10	03:07	
60273-1	Y	1004.29431	1004.25097	1004.33758	0.00609		08/19/10	03:07	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60273-2	Ag	-0.22278	-0.19413	-0.25143	18.18675	ug/L	08/19/10	03:12	
60273-2	Al	42133.07421	42115.97656	42150.17187	0.05738	ug/L	08/19/10	03:12	
60273-2	2Al	42.13478	42.11592	42.15364	0.06330	mg/L	08/19/10	03:12	
60273-2	As	13.21742	14.32266	12.11217	11.82568	ug/L	08/19/10	03:12	
60273-2	B	-9.17473	-8.96584	-9.38362	3.21992	ug/L	08/19/10	03:12	
60273-2	Ba	186.72512	186.67643	186.77381	0.03687	ug/L	08/19/10	03:12	
60273-2	Be	4.68549	4.67711	4.69387	0.25295	ug/L	08/19/10	03:12	
60273-2	Ca	13875.97949	13868.34765	13883.61132	0.07778	ug/L	08/19/10	03:12	
60273-2	Cd	-0.01990	0.17242	-0.21223	1366.67175	ug/L	08/19/10	03:12	
60273-2	Co	19.93738	19.74210	20.13265	1.38512	ug/L	08/19/10	03:12	
60273-2	Cr	60.25643	60.28939	60.22347	0.07735	ug/L	08/19/10	03:12	
60273-2	Cu	52.94371	53.01759	52.86983	0.19734	ug/L	08/19/10	03:12	
60273-2	Fe	91645.02343	91636.60156	91653.44531	0.01299	ug/L	08/19/10	03:12	
60273-2	2Fe	91.62951	91.61719	91.64183	0.01901	mg/L	08/19/10	03:12	
60273-2	K	4190.24902	4187.90039	4192.59716	0.07925	ug/L	08/19/10	03:12	
60273-2	Mg	13915.10449	13917.85058	13912.35839	0.02790	ug/L	08/19/10	03:12	
60273-2	2Mg	13.89557	13.89832	13.89282	0.02795	mg/L	08/19/10	03:12	
60273-2	Mn	1115.10205	1115.25805	1114.94592	0.01979	ug/L	08/19/10	03:12	
60273-2	Mo	8.62882	9.38115	7.87649	12.33024	ug/L	08/19/10	03:12	
60273-2	Na	443.91668	460.93786	426.89550	5.42254	ug/L	08/19/10	03:12	
60273-2	Ni	50.47750	50.68571	50.26930	0.58331	ug/L	08/19/10	03:12	
60273-2	Pb	53.49487	51.55793	55.43180	5.12056	ug/L	08/19/10	03:12	
60273-2	Se	-0.30330	0.90191	-1.50852	561.95074	ug/L	08/19/10	03:12	
60273-2	Sb	-1.86873	-4.13978	0.40232	171.86825	ug/L	08/19/10	03:12	
60273-2	Sn	24.50428	23.96123	25.04733	3.13408	ug/L	08/19/10	03:12	
60273-2	Sr	116.92333	116.68175	117.16490	0.29219	ug/L	08/19/10	03:12	
60273-2	Ti	3874.38354	3874.31616	3874.45092	0.00245	ug/L	08/19/10	03:12	
60273-2	Tl	-1.76036	-3.47924	-0.04147	138.08912	ug/L	08/19/10	03:12	
60273-2	V	124.02769	124.02941	124.02597	0.00195	ug/L	08/19/10	03:12	
60273-2	Zn	301.51397	300.96533	302.06259	0.25732	ug/L	08/19/10	03:12	
60273-2	2203/1	56.25591	55.00514	57.50667	3.14429	ug/L	08/19/10	03:12	
60273-2	2203/2	52.11641	49.83691	54.39591	6.18557	ug/L	08/19/10	03:12	
60273-2	1960/1	-6.75189	-0.72672	-12.77706	126.19987	ug/L	08/19/10	03:12	
60273-2	1960/2	2.91615	1.71500	4.11729	58.25050	ug/L	08/19/10	03:12	
60273-2	Y	996.98309	996.43957	997.52661	0.07709		08/19/10	03:12	
CCV	Ag	497.25952	498.19708	496.32199	0.26663	ug/L	08/19/10	03:18	
CCV	Al	4983.04394	4987.91552	4978.17285	0.13825	ug/L	08/19/10	03:18	
CCV	2Al	4.98346	4.98833	4.97859	0.13824	mg/L	08/19/10	03:18	
CCV	As	493.79745	497.96560	489.62930	1.19373	ug/L	08/19/10	03:18	
CCV	B	4913.89453	4922.04345	4905.74560	0.23452	ug/L	08/19/10	03:18	
CCV	Ba	4967.68798	4979.96240	4955.41357	0.34943	ug/L	08/19/10	03:18	
CCV	Be	497.00469	497.73031	496.27905	0.20647	ug/L	08/19/10	03:18	
CCV	Ca	5133.25683	5138.27099	5128.24267	0.13814	ug/L	08/19/10	03:18	
CCV	Cd	492.79644	493.27331	492.31961	0.13684	ug/L	08/19/10	03:18	
CCV	Co	501.00878	501.71743	500.30014	0.20003	ug/L	08/19/10	03:18	
CCV	Cr	4989.71630	4995.17382	4984.25878	0.15468	ug/L	08/19/10	03:18	
CCV	Cu	4956.77246	4965.89501	4947.64941	0.26028	ug/L	08/19/10	03:18	
CCV	Fe	4977.28466	4981.96240	4972.60693	0.13291	ug/L	08/19/10	03:18	
CCV	2Fe	4.97730	4.98198	4.97262	0.13292	mg/L	08/19/10	03:18	
CCV	K	10340.51757	10360.92968	10320.10546	0.27916	ug/L	08/19/10	03:18	
CCV	Mg	5200.97363	5216.75146	5185.19580	0.42902	ug/L	08/19/10	03:18	
CCV	2Mg	5.20094	5.21672	5.18517	0.42899	mg/L	08/19/10	03:18	
CCV	Mn	5056.96826	5065.64599	5048.29052	0.24267	ug/L	08/19/10	03:18	
CCV	Mo	489.35433	487.94515	490.76351	0.40724	ug/L	08/19/10	03:18	
CCV	Na	7539.95117	7668.30859	7411.59326	2.40751	ug/L	08/19/10	03:18	
CCV	Ni	2498.88964	2505.78808	2491.99145	0.39040	ug/L	08/19/10	03:18	
CCV	Pb	506.52764	510.13894	502.91632	1.00827	ug/L	08/19/10	03:18	
CCV	Se	4923.38964	4932.72998	4914.04980	0.26828	ug/L	08/19/10	03:18	
CCV	Sb	487.77581	489.77310	485.77853	0.57907	ug/L	08/19/10	03:18	
CCV	Sn	5142.54101	5154.29150	5130.79101	0.32313	ug/L	08/19/10	03:18	
CCV	Sr	2455.38598	2459.46484	2451.30712	0.23492	ug/L	08/19/10	03:18	
CCV	Ti	498.90380	500.30484	497.50277	0.39714	ug/L	08/19/10	03:18	
CCV	Tl	4968.15820	4982.26660	4954.05029	0.40159	ug/L	08/19/10	03:18	
CCV	V	5183.49121	5193.56347	5173.41845	0.27480	ug/L	08/19/10	03:18	
CCV	Zn	2541.46142	2546.98144	2535.94140	0.30716	ug/L	08/19/10	03:18	
CCV	2203/1	519.09338	521.27362	516.91320	0.59397	ug/L	08/19/10	03:18	
CCV	2203/2	500.24938	504.57516	495.92364	1.22289	ug/L	08/19/10	03:18	
CCV	1960/1	5028.86035	5033.22851	5024.49267	0.12283	ug/L	08/19/10	03:18	
CCV	1960/2	4870.73339	4882.55615	4858.91113	0.34326	ug/L	08/19/10	03:18	
CCV	Y	957.36315	955.38140	959.34484	0.29273		08/19/10	03:18	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.16969	-0.10320	0.44259	227.42541	ug/L	08/19/10	03:23	
CCB	Al	-23.07835	-25.40209	-20.75462	14.23954	ug/L	08/19/10	03:23	
CCB	2Al	-0.02308	-0.02540	-0.02075	14.23953	mg/L	08/19/10	03:23	
CCB	As	0.62666	0.64214	0.61118	3.49365	ug/L	08/19/10	03:23	
CCB	B	11.14849	11.96676	10.33022	10.37991	ug/L	08/19/10	03:23	
CCB	Ba	1.14676	0.35326	1.94027	97.85662	ug/L	08/19/10	03:23	
CCB	Be	0.20427	0.13341	0.27513	49.05605	ug/L	08/19/10	03:23	
CCB	Ca	13.27902	7.04364	19.51440	66.40665	ug/L	08/19/10	03:23	
CCB	Cd	0.19121	0.16101	0.22141	22.33702	ug/L	08/19/10	03:23	
CCB	Co	0.64555	0.76948	0.52162	27.14866	ug/L	08/19/10	03:23	
CCB	Cr	1.19192	0.58332	1.80053	72.21086	ug/L	08/19/10	03:23	
CCB	Cu	1.37763	0.57291	2.18236	82.60908	ug/L	08/19/10	03:23	
CCB	Fe	-7.73057	-15.08447	-0.37668	134.53039	ug/L	08/19/10	03:23	
CCB	2Fe	-0.00772	-0.01508	-0.00037	134.53752	mg/L	08/19/10	03:23	
CCB	K	11.28964	-3.90286	26.48215	190.31121	ug/L	08/19/10	03:23	
CCB	Mg	2.53106	-0.00028	5.06242	141.43719	ug/L	08/19/10	03:23	
CCB	2Mg	0.00253	0.00000	0.00506	141.28103	mg/L	08/19/10	03:23	
CCB	Mn	1.20049	0.31408	2.08691	104.42189	ug/L	08/19/10	03:23	
CCB	Mo	-0.33585	1.04061	-1.71232	579.60260	ug/L	08/19/10	03:23	
CCB	Na	-0.40935	-0.37473	-0.44397	11.96050	ug/L	08/19/10	03:23	
CCB	Ni	-0.26330	-1.23171	0.70510	520.13690	ug/L	08/19/10	03:23	
CCB	Pb	-0.60919	-0.75640	-0.46198	34.17511	ug/L	08/19/10	03:23	
CCB	Se	1.72832	1.94898	1.50765	18.05622	ug/L	08/19/10	03:23	
CCB	Sb	0.15218	-0.17908	0.48344	307.84445	ug/L	08/19/10	03:23	
CCB	Sn	2.15160	3.44573	0.85746	85.06130	ug/L	08/19/10	03:23	
CCB	Sr	0.54215	0.14742	0.93687	102.96408	ug/L	08/19/10	03:23	
CCB	Ti	0.69111	0.64967	0.73256	8.48119	ug/L	08/19/10	03:23	
CCB	Tl	5.96567	4.65023	7.28112	31.18371	ug/L	08/19/10	03:23	
CCB	V	1.62987	0.78068	2.47906	73.68264	ug/L	08/19/10	03:23	
CCB	Zn	0.64947	-0.04412	1.34307	151.02955	ug/L	08/19/10	03:23	
CCB	2203/1	-0.20103	-1.43911	1.03703	870.93066	ug/L	08/19/10	03:23	
CCB	2203/2	-0.81296	-0.41556	-1.21036	69.13021	ug/L	08/19/10	03:23	
CCB	1960/1	1.08163	4.64021	-2.47693	465.27395	ug/L	08/19/10	03:23	
CCB	1960/2	2.05117	0.60539	3.49696	99.68164	ug/L	08/19/10	03:23	
CCB	Y	954.15966	954.85229	953.46704	0.10265		08/19/10	03:23	
60273-3	Ag	-0.23220	0.20670	-0.67111	267.31289	ug/L	08/19/10	03:28	
60273-3	Al	81910.57812	81966.34375	81854.80468	0.09628	ug/L	08/19/10	03:28	
60273-3	2Al	81.91014	81.96682	81.85345	0.09787	mg/L	08/19/10	03:28	
60273-3	As	14.02183	14.54758	13.49607	5.30265	ug/L	08/19/10	03:28	
60273-3	B	0.39012	0.61385	0.16639	81.10155	ug/L	08/19/10	03:28	
60273-3	Ba	232.69131	233.00820	232.37442	0.19259	ug/L	08/19/10	03:28	
60273-3	Be	4.74075	4.75536	4.72614	0.43580	ug/L	08/19/10	03:28	
60273-3	Ca	16280.87109	16319.24902	16242.49414	0.33335	ug/L	08/19/10	03:28	
60273-3	Cd	-0.13567	-0.34125	0.06990	214.28326	ug/L	08/19/10	03:28	
60273-3	Co	38.66384	38.64503	38.68265	0.06880	ug/L	08/19/10	03:28	
60273-3	Cr	99.37421	99.82704	98.92137	0.64443	ug/L	08/19/10	03:28	
60273-3	Cu	45.11489	45.30260	44.92718	0.58841	ug/L	08/19/10	03:28	
60273-3	Fe	119272.67187	119350.82031	119194.53125	0.09265	ug/L	08/19/10	03:28	
60273-3	2Fe	119.24650	119.32616	119.16685	0.09446	mg/L	08/19/10	03:28	
60273-3	K	4174.43945	4183.97509	4164.90332	0.32305	ug/L	08/19/10	03:28	
60273-3	Mg	31437.10546	31482.43750	31391.77343	0.20392	ug/L	08/19/10	03:28	
60273-3	2Mg	31.40808	31.45339	31.36278	0.20399	mg/L	08/19/10	03:28	
60273-3	Mn	1802.23193	1803.09191	1801.37194	0.06748	ug/L	08/19/10	03:28	
60273-3	Mo	2.94759	4.30874	1.58644	65.30580	ug/L	08/19/10	03:28	
60273-3	Na	146.59417	218.57131	74.61701	69.43731	ug/L	08/19/10	03:28	
60273-3	Ni	72.73146	72.44280	73.02012	0.56128	ug/L	08/19/10	03:28	
60273-3	Pb	55.23879	55.34857	55.12901	0.28105	ug/L	08/19/10	03:28	
60273-3	Se	-1.48754	0.83052	-3.80561	220.37989	ug/L	08/19/10	03:28	
60273-3	Sb	-4.49849	-5.19412	-3.80287	21.86865	ug/L	08/19/10	03:28	
60273-3	Sn	24.26689	18.28453	30.24926	34.86372	ug/L	08/19/10	03:28	
60273-3	Sr	151.25588	151.24157	151.27020	0.01338	ug/L	08/19/10	03:28	
60273-3	Ti	3839.80053	3840.35766	3839.24340	0.02051	ug/L	08/19/10	03:28	
60273-3	Tl	-2.20767	-4.09281	-0.32252	120.76053	ug/L	08/19/10	03:28	
60273-3	V	155.97279	156.06253	155.88305	0.08136	ug/L	08/19/10	03:28	
60273-3	Zn	328.05438	328.90524	327.20352	0.36679	ug/L	08/19/10	03:28	
60273-3	2203/1	57.80088	58.52667	57.07508	1.77579	ug/L	08/19/10	03:28	
60273-3	2203/2	53.95967	53.76190	54.15744	0.51832	ug/L	08/19/10	03:28	
60273-3	1960/1	-5.02300	-3.60291	-6.44309	39.98236	ug/L	08/19/10	03:28	
60273-3	1960/2	0.27753	3.04392	-2.48885	1409.64233	ug/L	08/19/10	03:28	
60273-3	Y	981.23516	976.21832	986.25201	0.72305		08/19/10	03:28	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60273-4	Ag	-0.03382	-0.39221	0.32457	1498.60485	ug/L	08/19/10	03:34	
60273-4	Al	51266.62109	51249.12890	51284.11328	0.04825	ug/L	08/19/10	03:34	
60273-4	2Al	51.26684	51.25006	51.28361	0.04627	mg/L	08/19/10	03:34	
60273-4	As	12.59399	12.02477	13.16322	6.39201	ug/L	08/19/10	03:34	
60273-4	B	-7.09307	-7.37768	-6.80847	5.67447	ug/L	08/19/10	03:34	
60273-4	Ba	165.69729	165.82434	165.57025	0.10843	ug/L	08/19/10	03:34	
60273-4	Be	4.08502	4.08813	4.08191	0.10772	ug/L	08/19/10	03:34	
60273-4	Ca	10704.47265	10715.67675	10693.26953	0.14801	ug/L	08/19/10	03:34	
60273-4	Cd	-0.18697	0.02250	-0.39645	158.44282	ug/L	08/19/10	03:34	
60273-4	Co	27.13455	26.65608	27.61302	2.49373	ug/L	08/19/10	03:34	
60273-4	Cr	68.16569	68.43048	67.90091	0.54933	ug/L	08/19/10	03:34	
60273-4	Cu	53.87781	53.65938	54.09624	0.57334	ug/L	08/19/10	03:34	
60273-4	Fe	94636.80468	94637.45312	94636.15625	0.00096	ug/L	08/19/10	03:34	
60273-4	2Fe	94.61683	94.61907	94.61459	0.00335	mg/L	08/19/10	03:34	
60273-4	K	3559.59619	3566.52490	3552.66748	0.27527	ug/L	08/19/10	03:34	
60273-4	Mg	18928.65625	18931.95898	18925.35351	0.02467	ug/L	08/19/10	03:34	
60273-4	2Mg	18.90734	18.91064	18.90404	0.02470	mg/L	08/19/10	03:34	
60273-4	Mn	1456.34265	1457.02160	1455.66369	0.06593	ug/L	08/19/10	03:34	
60273-4	Mo	4.70036	4.97684	4.42389	8.31844	ug/L	08/19/10	03:34	
60273-4	Na	-154.91525	-176.37799	-133.45249	19.59323	ug/L	08/19/10	03:34	
60273-4	Ni	43.20198	42.37062	44.03333	2.72142	ug/L	08/19/10	03:34	
60273-4	Pb	40.43362	42.45060	38.41664	7.05461	ug/L	08/19/10	03:34	
60273-4	Se	3.76466	4.21565	3.31368	16.94155	ug/L	08/19/10	03:34	
60273-4	Sb	-3.56366	-1.35431	-5.77301	87.67652	ug/L	08/19/10	03:34	
60273-4	Sn	21.64755	22.23241	21.06268	3.82086	ug/L	08/19/10	03:34	
60273-4	Sr	107.35612	107.44523	107.26702	0.11738	ug/L	08/19/10	03:34	
60273-4	Ti	4261.35791	4260.66796	4262.04785	0.02289	ug/L	08/19/10	03:34	
60273-4	Tl	-0.18817	-0.29886	-0.07749	83.18296	ug/L	08/19/10	03:34	
60273-4	V	166.08117	166.69490	165.46745	0.52259	ug/L	08/19/10	03:34	
60273-4	Zn	237.36892	237.65000	237.08784	0.16746	ug/L	08/19/10	03:34	
60273-4	2203/1	44.35402	43.52360	45.18444	2.64776	ug/L	08/19/10	03:34	
60273-4	2203/2	38.47636	41.91490	35.03782	12.63849	ug/L	08/19/10	03:34	
60273-4	1960/1	3.79827	5.22412	2.37242	53.08878	ug/L	08/19/10	03:34	
60273-4	1960/2	3.74789	3.71218	3.78360	1.34755	ug/L	08/19/10	03:34	
60273-4	Y	970.98504	970.05187	971.91821	0.13591		08/19/10	03:34	
60273-5	Ag	-0.11925	0.08938	-0.32790	247.42187	ug/L	08/19/10	03:39	
60273-5	Al	50750.71875	50759.83984	50741.59765	0.02541	ug/L	08/19/10	03:39	
60273-5	2Al	50.75211	50.76220	50.74202	0.02811	mg/L	08/19/10	03:39	
60273-5	As	9.09756	8.47770	9.71742	9.63576	ug/L	08/19/10	03:39	
60273-5	B	-7.64575	-6.34953	-8.94197	23.97581	ug/L	08/19/10	03:39	
60273-5	Ba	198.40985	198.36866	198.45104	0.02935	ug/L	08/19/10	03:39	
60273-5	Be	4.24686	4.24000	4.25372	0.22836	ug/L	08/19/10	03:39	
60273-5	Ca	11470.80273	11498.95312	11442.65234	0.34706	ug/L	08/19/10	03:39	
60273-5	Cd	-0.18123	-0.41235	0.04987	180.33872	ug/L	08/19/10	03:39	
60273-5	Co	28.54150	28.44932	28.63368	0.45674	ug/L	08/19/10	03:39	
60273-5	Cr	61.74892	61.68074	61.81710	0.15615	ug/L	08/19/10	03:39	
60273-5	Cu	41.99582	41.98778	42.00387	0.02708	ug/L	08/19/10	03:39	
60273-5	Fe	76294.17187	76492.51562	76095.82812	0.36765	ug/L	08/19/10	03:39	
60273-5	2Fe	76.27974	76.47966	76.07983	0.37063	mg/L	08/19/10	03:39	
60273-5	K	4044.11083	4048.75732	4039.46435	0.16248	ug/L	08/19/10	03:39	
60273-5	Mg	17918.42968	17966.15625	17870.70507	0.37667	ug/L	08/19/10	03:39	
60273-5	2Mg	17.90052	17.94820	17.85284	0.37667	mg/L	08/19/10	03:39	
60273-5	Mn	1236.47497	1238.68591	1234.26403	0.25287	ug/L	08/19/10	03:39	
60273-5	Mo	1.43465	0.98091	1.88840	44.72810	ug/L	08/19/10	03:39	
60273-5	Na	333.96603	218.23471	449.69735	49.00762	ug/L	08/19/10	03:39	
60273-5	Ni	45.81161	46.00276	45.62046	0.59007	ug/L	08/19/10	03:39	
60273-5	Pb	60.60300	60.93367	60.27232	0.77165	ug/L	08/19/10	03:39	
60273-5	Se	-0.39751	-0.26720	-0.52782	46.35969	ug/L	08/19/10	03:39	
60273-5	Sb	-2.35576	-2.91600	-1.79553	33.63178	ug/L	08/19/10	03:39	
60273-5	Sn	17.97776	18.61610	17.33943	5.02142	ug/L	08/19/10	03:39	
60273-5	Sr	110.46607	110.41865	110.51350	0.06071	ug/L	08/19/10	03:39	
60273-5	Ti	3312.03027	3313.05078	3311.00952	0.04358	ug/L	08/19/10	03:39	
60273-5	Tl	2.69073	2.72327	2.65819	1.71040	ug/L	08/19/10	03:39	
60273-5	V	116.95085	117.12686	116.77483	0.21284	ug/L	08/19/10	03:39	
60273-5	Zn	230.08256	231.02186	229.14326	0.57734	ug/L	08/19/10	03:39	
60273-5	2203/1	64.26435	64.92710	63.60160	1.45845	ug/L	08/19/10	03:39	
60273-5	2203/2	58.77506	58.93995	58.61017	0.39675	ug/L	08/19/10	03:39	
60273-5	1960/1	-3.57911	-4.38078	-2.77745	31.67617	ug/L	08/19/10	03:39	
60273-5	1960/2	1.19090	1.78650	0.59530	70.72840	ug/L	08/19/10	03:39	
60273-5	Y	977.39678	979.36407	975.42950	0.28465		08/19/10	03:39	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60273-6	Ag	-0.02348	-0.31667	0.26969	1765.35717	ug/L	08/19/10	03:44	
60273-6	Al	45640.29687	45677.04687	45603.54687	0.11387	ug/L	08/19/10	03:44	
60273-6	2Al	45.64149	45.67588	45.60710	0.10654	mg/L	08/19/10	03:44	
60273-6	As	15.17592	15.44001	14.91183	2.46096	ug/L	08/19/10	03:44	
60273-6	B	-10.47068	-10.00889	-10.93248	6.23718	ug/L	08/19/10	03:44	
60273-6	Ba	147.22439	147.29492	147.15388	0.06773	ug/L	08/19/10	03:44	
60273-6	Be	4.42030	4.41995	4.42064	0.01101	ug/L	08/19/10	03:44	
60273-6	Ca	12047.03906	12060.32421	12033.75292	0.15596	ug/L	08/19/10	03:44	
60273-6	Cd	-0.26327	-0.42683	-0.09970	87.86084	ug/L	08/19/10	03:44	
60273-6	Co	26.17644	26.78310	25.56977	3.27758	ug/L	08/19/10	03:44	
60273-6	Cr	54.37434	54.28238	54.46630	0.23918	ug/L	08/19/10	03:44	
60273-6	Cu	50.43325	50.49777	50.36872	0.18094	ug/L	08/19/10	03:44	
60273-6	Fe	83223.92187	83279.90625	83167.94531	0.09512	ug/L	08/19/10	03:44	
60273-6	2Fe	83.20867	83.25994	83.15741	0.08712	mg/L	08/19/10	03:44	
60273-6	K	3522.51660	3523.45092	3521.58203	0.03751	ug/L	08/19/10	03:44	
60273-6	Mg	17206.10937	17222.54101	17189.67578	0.13506	ug/L	08/19/10	03:44	
60273-6	2Mg	17.18721	17.20363	17.17079	0.13511	mg/L	08/19/10	03:44	
60273-6	Mn	1305.26025	1306.54113	1303.97937	0.13878	ug/L	08/19/10	03:44	
60273-6	Mo	4.18559	4.67984	3.69135	16.69935	ug/L	08/19/10	03:44	
60273-6	Na	262.56094	387.63714	137.48474	67.36891	ug/L	08/19/10	03:44	
60273-6	Ni	38.07131	37.62169	38.52094	1.67019	ug/L	08/19/10	03:44	
60273-6	Pb	53.81707	54.24372	53.39042	1.12116	ug/L	08/19/10	03:44	
60273-6	Se	0.92927	1.02962	0.82891	15.27205	ug/L	08/19/10	03:44	
60273-6	Sb	-2.41574	-1.52629	-3.30520	52.06994	ug/L	08/19/10	03:44	
60273-6	Sn	16.92620	15.66441	18.18799	10.54243	ug/L	08/19/10	03:44	
60273-6	Sr	81.32115	81.33320	81.30910	0.02095	ug/L	08/19/10	03:44	
60273-6	Ti	3577.52392	3578.45385	3576.59399	0.03676	ug/L	08/19/10	03:44	
60273-6	Tl	-3.44430	-5.26574	-1.62286	74.78729	ug/L	08/19/10	03:44	
60273-6	V	126.12468	126.02857	126.22080	0.10777	ug/L	08/19/10	03:44	
60273-6	Zn	244.80139	244.42124	245.18151	0.21960	ug/L	08/19/10	03:44	
60273-6	2203/1	55.69114	56.83679	54.54549	2.90925	ug/L	08/19/10	03:44	
60273-6	2203/2	52.88144	52.94913	52.81375	0.18102	ug/L	08/19/10	03:44	
60273-6	1960/1	-0.54685	-2.22750	1.13379	434.62847	ug/L	08/19/10	03:44	
60273-6	1960/2	1.66622	2.65574	0.67671	83.98536	ug/L	08/19/10	03:44	
60273-6	Y	990.15771	988.79168	991.52374	0.19510		08/19/10	03:44	
60273-7	Ag	0.23293	0.44324	0.02262	127.68448	ug/L	08/19/10	03:50	
60273-7	Al	54665.05468	54647.50000	54682.60546	0.04540	ug/L	08/19/10	03:50	
60273-7	2Al	54.66616	54.65067	54.68165	0.04006	mg/L	08/19/10	03:50	
60273-7	As	14.57726	15.95169	13.20284	13.33394	ug/L	08/19/10	03:50	
60273-7	B	-8.39848	-8.30866	-8.48830	1.51246	ug/L	08/19/10	03:50	
60273-7	Ba	141.71006	141.72727	141.69285	0.01717	ug/L	08/19/10	03:50	
60273-7	Be	2.96170	2.94541	2.97799	0.77794	ug/L	08/19/10	03:50	
60273-7	Ca	11220.45019	11223.84960	11217.05078	0.04284	ug/L	08/19/10	03:50	
60273-7	Cd	0.47611	0.49730	0.45491	6.29516	ug/L	08/19/10	03:50	
60273-7	Co	32.84542	33.04480	32.64603	0.85847	ug/L	08/19/10	03:50	
60273-7	Cr	62.88293	63.14246	62.62340	0.58367	ug/L	08/19/10	03:50	
60273-7	Cu	67.21926	67.12067	67.31785	0.20742	ug/L	08/19/10	03:50	
60273-7	Fe	89964.01562	89953.79687	89974.22656	0.01605	ug/L	08/19/10	03:50	
60273-7	2Fe	89.94618	89.93918	89.95317	0.01099	mg/L	08/19/10	03:50	
60273-7	K	2955.72900	2956.74145	2954.71630	0.04844	ug/L	08/19/10	03:50	
60273-7	Mg	17204.35742	17207.36523	17201.34960	0.02472	ug/L	08/19/10	03:50	
60273-7	2Mg	17.18437	17.18738	17.18136	0.02476	mg/L	08/19/10	03:50	
60273-7	Mn	1502.84594	1502.74072	1502.95117	0.00990	ug/L	08/19/10	03:50	
60273-7	Mo	3.15449	2.56380	3.74517	26.48139	ug/L	08/19/10	03:50	
60273-7	Na	169.53826	57.47815	281.59838	93.47560	ug/L	08/19/10	03:50	
60273-7	Ni	50.88060	51.42277	50.33843	1.50695	ug/L	08/19/10	03:50	
60273-7	Pb	114.80525	114.55714	115.05335	0.30562	ug/L	08/19/10	03:50	
60273-7	Se	1.34221	3.81330	-1.12887	260.36465	ug/L	08/19/10	03:50	
60273-7	Sb	-3.50768	-3.79502	-3.22035	11.58463	ug/L	08/19/10	03:50	
60273-7	Sn	19.11111	18.29233	19.92989	6.05893	ug/L	08/19/10	03:50	
60273-7	Sr	85.79933	85.76641	85.83224	0.05425	ug/L	08/19/10	03:50	
60273-7	Ti	3148.49609	3148.31884	3148.67358	0.00796	ug/L	08/19/10	03:50	
60273-7	Tl	-3.83358	0.39562	-8.06279	156.01589	ug/L	08/19/10	03:50	
60273-7	V	128.31729	127.97387	128.66072	0.37849	ug/L	08/19/10	03:50	
60273-7	Zn	235.76028	236.34739	235.17317	0.35218	ug/L	08/19/10	03:50	
60273-7	2203/1	117.90679	118.60324	117.21035	0.83534	ug/L	08/19/10	03:50	
60273-7	2203/2	113.25679	112.53712	113.97647	0.89864	ug/L	08/19/10	03:50	
60273-7	1960/1	0.41811	6.10356	-5.26732	1923.00158	ug/L	08/19/10	03:50	
60273-7	1960/2	1.80357	2.66989	0.93724	67.93019	ug/L	08/19/10	03:50	
60273-7	Y	963.79888	963.77001	963.82775	0.00423		08/19/10	03:50	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60273-7L	Ag	0.04583	-0.35064	0.44231	1223.24890	ug/L	08/19/10	03:55	
60273-7L	Al	10786.03125	10861.49902	10710.56445	0.98949	ug/L	08/19/10	03:55	
60273-7L	2Al	10.78642	10.86227	10.71058	0.99440	mg/L	08/19/10	03:55	
60273-7L	As	2.92548	2.82957	3.02139	4.63632	ug/L	08/19/10	03:55	
60273-7L	B	-5.11217	-6.02097	-4.20337	25.14067	ug/L	08/19/10	03:55	
60273-7L	Ba	28.05734	28.28269	27.83199	1.13586	ug/L	08/19/10	03:55	
60273-7L	Be	0.67539	0.69195	0.65883	3.46766	ug/L	08/19/10	03:55	
60273-7L	Ca	2258.28100	2270.30004	2246.26196	0.75267	ug/L	08/19/10	03:55	
60273-7L	Cd	-0.12026	-0.13972	-0.10080	22.88421	ug/L	08/19/10	03:55	
60273-7L	Co	6.75092	6.45647	7.04536	6.16813	ug/L	08/19/10	03:55	
60273-7L	Cr	12.77483	12.74355	12.80612	0.34634	ug/L	08/19/10	03:55	
60273-7L	Cu	12.99063	13.31404	12.66723	3.52069	ug/L	08/19/10	03:55	
60273-7L	Fe	18010.89843	18112.34375	17909.45507	0.79653	ug/L	08/19/10	03:55	
60273-7L	2Fe	18.00780	18.11005	17.90555	0.80298	mg/L	08/19/10	03:55	
60273-7L	K	566.32702	569.48358	563.17041	0.78825	ug/L	08/19/10	03:55	
60273-7L	Mg	3434.60986	3456.82543	3412.39404	0.91473	ug/L	08/19/10	03:55	
60273-7L	2Mg	3.43061	3.45280	3.40841	0.91483	mg/L	08/19/10	03:55	
60273-7L	Mn	301.15911	302.84161	299.47662	0.79008	ug/L	08/19/10	03:55	
60273-7L	Mo	-1.52928	-1.99068	-1.06789	42.66733	ug/L	08/19/10	03:55	
60273-7L	Na	-18.57322	-91.67639	54.52994	556.62652	ug/L	08/19/10	03:55	
60273-7L	Ni	8.91980	8.30003	9.53957	9.82632	ug/L	08/19/10	03:55	
60273-7L	Pb	23.43741	21.87801	24.99681	9.40942	ug/L	08/19/10	03:55	
60273-7L	Se	1.97440	0.35527	3.59352	115.97370	ug/L	08/19/10	03:55	
60273-7L	Sb	-6.03623	-7.24118	-4.83129	28.23026	ug/L	08/19/10	03:55	
60273-7L	Sn	5.37274	4.03543	6.71005	35.20069	ug/L	08/19/10	03:55	
60273-7L	Sr	16.98188	17.12290	16.84086	1.17437	ug/L	08/19/10	03:55	
60273-7L	Ti	627.80651	632.25555	623.35754	1.00219	ug/L	08/19/10	03:55	
60273-7L	Tl	-0.90877	-2.32899	0.51144	221.01040	ug/L	08/19/10	03:55	
60273-7L	V	26.36996	27.10625	25.63366	3.94874	ug/L	08/19/10	03:55	
60273-7L	Zn	48.23557	48.86871	47.60243	1.85630	ug/L	08/19/10	03:55	
60273-7L	2203/1	23.61853	22.37290	24.86417	7.45855	ug/L	08/19/10	03:55	
60273-7L	2203/2	23.34699	21.63094	25.06303	10.39472	ug/L	08/19/10	03:55	
60273-7L	1960/1	-1.37300	-0.56607	-2.17993	83.11501	ug/L	08/19/10	03:55	
60273-7L	1960/2	3.64559	0.81526	6.47593	109.79535	ug/L	08/19/10	03:55	
60273-7L	Y	949.28234	949.45550	949.10919	0.02579		08/19/10	03:55	
60273-7A	Ag	42.53408	42.53286	42.53530	0.00405	ug/L	08/19/10	04:00	
60273-7A	Al	56004.97265	55962.58984	56047.35546	0.10702	ug/L	08/19/10	04:00	
60273-7A	2Al	56.00788	55.96709	56.04867	0.10300	mg/L	08/19/10	04:00	
60273-7A	As	1961.01123	1958.96862	1963.05383	0.14730	ug/L	08/19/10	04:00	
60273-7A	B	978.93505	977.78015	980.09002	0.16684	ug/L	08/19/10	04:00	
60273-7A	Ba	2120.50463	2119.07128	2121.93798	0.09559	ug/L	08/19/10	04:00	
60273-7A	Be	52.07993	52.07995	52.07990	0.00007	ug/L	08/19/10	04:00	
60273-7A	Ca	16248.89843	16234.02246	16263.77539	0.12947	ug/L	08/19/10	04:00	
60273-7A	Cd	48.92716	48.67662	49.17771	0.72418	ug/L	08/19/10	04:00	
60273-7A	Co	529.91552	529.66040	530.17071	0.06809	ug/L	08/19/10	04:00	
60273-7A	Cr	260.46575	260.44329	260.48818	0.01218	ug/L	08/19/10	04:00	
60273-7A	Cu	313.07324	313.66613	312.48031	0.26782	ug/L	08/19/10	04:00	
60273-7A	Fe	89980.70312	89891.23437	90070.17187	0.14061	ug/L	08/19/10	04:00	
60273-7A	2Fe	89.96627	89.88006	90.05247	0.13550	mg/L	08/19/10	04:00	
60273-7A	K	8290.84570	8290.37597	8291.31542	0.00801	ug/L	08/19/10	04:00	
60273-7A	Mg	22388.40234	22376.65234	22400.15234	0.07422	ug/L	08/19/10	04:00	
60273-7A	2Mg	22.36717	22.35544	22.37890	0.07417	mg/L	08/19/10	04:00	
60273-7A	Mn	1985.72314	1985.53015	1985.91601	0.01374	ug/L	08/19/10	04:00	
60273-7A	Mo	479.26275	479.13150	479.39404	0.03873	ug/L	08/19/10	04:00	
60273-7A	Na	5141.20800	5184.17773	5098.23876	1.18197	ug/L	08/19/10	04:00	
60273-7A	Ni	540.04321	539.73352	540.35296	0.08110	ug/L	08/19/10	04:00	
60273-7A	Pb	604.60968	604.39160	604.82775	0.05100	ug/L	08/19/10	04:00	
60273-7A	Se	1938.73999	1942.61218	1934.86791	0.28245	ug/L	08/19/10	04:00	
60273-7A	Sb	482.35519	479.43475	485.27563	0.85624	ug/L	08/19/10	04:00	
60273-7A	Sn	1058.66064	1063.57177	1053.74963	0.65604	ug/L	08/19/10	04:00	
60273-7A	Sr	584.06201	583.00476	585.11932	0.25600	ug/L	08/19/10	04:00	
60273-7A	Ti	4086.08544	4082.69238	4089.47851	0.11743	ug/L	08/19/10	04:00	
60273-7A	Tl	2007.10815	2004.29309	2009.92309	0.19834	ug/L	08/19/10	04:00	
60273-7A	V	632.39477	630.93328	633.85626	0.32682	ug/L	08/19/10	04:00	
60273-7A	Zn	735.76782	735.69427	735.84130	0.01413	ug/L	08/19/10	04:00	
60273-7A	2203/1	618.54614	618.81451	618.27777	0.06135	ug/L	08/19/10	04:00	
60273-7A	2203/2	597.65191	597.19097	598.11285	0.10907	ug/L	08/19/10	04:00	
60273-7A	1960/1	1979.39379	1985.60644	1973.18103	0.44387	ug/L	08/19/10	04:00	
60273-7A	1960/2	1918.44360	1921.14721	1915.74011	0.19929	ug/L	08/19/10	04:00	
60273-7A	Y	955.59790	956.31457	954.88116	0.10606		08/19/10	04:00	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60273-7S	Ag	53.50379	52.77130	54.23628	1.93611	ug/L	08/19/10	04:06	
60273-7S	Al	72677.75000	72743.12500	72612.36718	0.12721	ug/L	08/19/10	04:06	
60273-7S	2Al	72.68148	72.74478	72.61817	0.12316	mg/L	08/19/10	04:06	
60273-7S	As	2055.30395	2058.29443	2052.31347	0.20576	ug/L	08/19/10	04:06	
60273-7S	B	1016.90734	1014.52465	1019.29003	0.33136	ug/L	08/19/10	04:06	
60273-7S	Ba	2254.35205	2255.54687	2253.15698	0.07496	ug/L	08/19/10	04:06	
60273-7S	Be	55.00017	55.04166	54.95868	0.10668	ug/L	08/19/10	04:06	
60273-7S	Ca	19357.41406	19365.89843	19348.92773	0.06199	ug/L	08/19/10	04:06	
60273-7S	Cd	51.34912	51.48667	51.21156	0.37883	ug/L	08/19/10	04:06	
60273-7S	Co	562.05456	562.60516	561.50396	0.13853	ug/L	08/19/10	04:06	
60273-7S	Cr	285.08966	284.41137	285.76791	0.33646	ug/L	08/19/10	04:06	
60273-7S	Cu	335.92898	335.76296	336.09500	0.06989	ug/L	08/19/10	04:06	
60273-7S	Fe	107874.41406	107850.86718	107897.96093	0.03086	ug/L	08/19/10	04:06	
60273-7S	2Fe	107.85690	107.83092	107.88288	0.03406	mg/L	08/19/10	04:06	
60273-7S	K	8652.05273	8656.33398	8647.77050	0.06998	ug/L	08/19/10	04:06	
60273-7S	Mg	28932.54296	28953.93554	28911.15234	0.10456	ug/L	08/19/10	04:06	
60273-7S	2Mg	28.90646	28.92786	28.88507	0.10465	mg/L	08/19/10	04:06	
60273-7S	Mn	2308.19189	2307.83447	2308.54931	0.02189	ug/L	08/19/10	04:06	
60273-7S	Mo	496.60278	497.24023	495.96530	0.18153	ug/L	08/19/10	04:06	
60273-7S	Na	5169.17578	5177.88085	5160.47119	0.23815	ug/L	08/19/10	04:06	
60273-7S	Ni	580.72229	581.03698	580.40759	0.07663	ug/L	08/19/10	04:06	
60273-7S	Pb	627.17968	624.62518	629.73413	0.57600	ug/L	08/19/10	04:06	
60273-7S	Se	2033.70983	2027.40747	2040.01220	0.43825	ug/L	08/19/10	04:06	
60273-7S	Sb	454.79519	450.40820	459.18218	1.36416	ug/L	08/19/10	04:06	
60273-7S	Sn	1074.87744	1073.30932	1076.44567	0.20632	ug/L	08/19/10	04:06	
60273-7S	Sr	627.74426	628.26104	627.22747	0.11642	ug/L	08/19/10	04:06	
60273-7S	Ti	5045.31250	5046.54589	5044.07861	0.03457	ug/L	08/19/10	04:06	
60273-7S	Tl	2101.26464	2103.59179	2098.93725	0.15663	ug/L	08/19/10	04:06	
60273-7S	V	689.98736	690.23760	689.73712	0.05129	ug/L	08/19/10	04:06	
60273-7S	Zn	803.36389	802.35772	804.36999	0.17711	ug/L	08/19/10	04:06	
60273-7S	2203/1	638.75280	632.61474	644.89080	1.35897	ug/L	08/19/10	04:06	
60273-7S	2203/2	621.40173	620.63641	622.16711	0.17418	ug/L	08/19/10	04:06	
60273-7S	1960/1	2072.90576	2065.91381	2079.89746	0.47700	ug/L	08/19/10	04:06	
60273-7S	1960/2	2014.14135	2008.18310	2020.09948	0.41834	ug/L	08/19/10	04:06	
60273-7S	Y	954.51562	955.14093	953.89031	0.09264		08/19/10	04:06	
60273-7SD	Ag	52.19342	52.38151	52.00532	0.50966	ug/L	08/19/10	04:11	
60273-7SD	Al	68254.34375	68256.22656	68252.46875	0.00389	ug/L	08/19/10	04:11	
60273-7SD	2Al	68.25855	68.26042	68.25668	0.00387	mg/L	08/19/10	04:11	
60273-7SD	As	2033.41381	2039.44189	2027.38562	0.41924	ug/L	08/19/10	04:11	
60273-7SD	B	1016.31152	1016.72332	1015.89965	0.05730	ug/L	08/19/10	04:11	
60273-7SD	Ba	2245.99853	2247.19653	2244.80078	0.07542	ug/L	08/19/10	04:11	
60273-7SD	Be	54.64449	54.72452	54.56446	0.20712	ug/L	08/19/10	04:11	
60273-7SD	Ca	17271.41015	17286.75781	17256.06054	0.12567	ug/L	08/19/10	04:11	
60273-7SD	Cd	51.28833	51.58799	50.98867	0.82628	ug/L	08/19/10	04:11	
60273-7SD	Co	556.42425	556.86126	555.98724	0.11107	ug/L	08/19/10	04:11	
60273-7SD	Cr	276.79855	277.35211	276.24499	0.28282	ug/L	08/19/10	04:11	
60273-7SD	Cu	332.05450	332.56329	331.54568	0.21669	ug/L	08/19/10	04:11	
60273-7SD	Fe	96576.84375	96650.46093	96503.23437	0.10779	ug/L	08/19/10	04:11	
60273-7SD	2Fe	96.56161	96.63522	96.48801	0.10779	mg/L	08/19/10	04:11	
60273-7SD	K	8445.56933	8459.66015	8431.47851	0.23595	ug/L	08/19/10	04:11	
60273-7SD	Mg	23579.10351	23608.80078	23549.40625	0.17811	ug/L	08/19/10	04:11	
60273-7SD	2Mg	23.55639	23.58607	23.52671	0.17817	mg/L	08/19/10	04:11	
60273-7SD	Mn	2017.85510	2020.24523	2015.46496	0.16751	ug/L	08/19/10	04:11	
60273-7SD	Mo	487.35528	485.23785	489.47274	0.61444	ug/L	08/19/10	04:11	
60273-7SD	Na	5298.86523	5306.67871	5291.05224	0.20852	ug/L	08/19/10	04:11	
60273-7SD	Ni	568.86596	570.73425	566.99761	0.46446	ug/L	08/19/10	04:11	
60273-7SD	Pb	630.93359	633.30950	628.55761	0.53255	ug/L	08/19/10	04:11	
60273-7SD	Se	2025.02795	2026.14453	2023.91137	0.07797	ug/L	08/19/10	04:11	
60273-7SD	Sb	411.05313	404.64855	417.45770	2.20346	ug/L	08/19/10	04:11	
60273-7SD	Sn	1060.86840	1061.82849	1059.90820	0.12799	ug/L	08/19/10	04:11	
60273-7SD	Sr	602.29455	603.01074	601.57843	0.16815	ug/L	08/19/10	04:11	
60273-7SD	Ti	4195.73242	4199.89843	4191.56640	0.14041	ug/L	08/19/10	04:11	
60273-7SD	Tl	2092.70239	2086.70532	2098.69946	0.40527	ug/L	08/19/10	04:11	
60273-7SD	V	666.93298	667.08221	666.78369	0.03165	ug/L	08/19/10	04:11	
60273-7SD	Zn	786.79553	787.60302	785.98797	0.14514	ug/L	08/19/10	04:11	
60273-7SD	2203/1	642.34350	642.52075	642.16632	0.03901	ug/L	08/19/10	04:11	
60273-7SD	2203/2	625.23706	628.71075	621.76342	0.78570	ug/L	08/19/10	04:11	
60273-7SD	1960/1	2064.28271	2068.17358	2060.39184	0.26655	ug/L	08/19/10	04:11	
60273-7SD	1960/2	2005.43005	2005.16149	2005.69860	0.01893	ug/L	08/19/10	04:11	
60273-7SD	Y	964.14526	962.31744	965.97302	0.26810		08/19/10	04:11	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	504.26159	505.26940	503.25375	0.28264	ug/L	08/19/10	04:19	
CCV	Al	5043.68164	5053.36914	5033.99414	0.27163	ug/L	08/19/10	04:19	
CCV	2Al	5.04411	5.05379	5.03442	0.27162	mg/L	08/19/10	04:19	
CCV	As	504.07525	502.24130	505.90921	0.51452	ug/L	08/19/10	04:19	
CCV	B	4996.85742	4997.55029	4996.16455	0.01960	ug/L	08/19/10	04:19	
CCV	Ba	5031.92382	5037.80273	5026.04443	0.16523	ug/L	08/19/10	04:19	
CCV	Be	503.61126	504.69357	502.52896	0.30392	ug/L	08/19/10	04:19	
CCV	Ca	5191.45410	5200.41357	5182.49462	0.24406	ug/L	08/19/10	04:19	
CCV	Cd	497.69485	500.66586	494.72384	0.84422	ug/L	08/19/10	04:19	
CCV	Co	507.72341	507.50924	507.93759	0.05965	ug/L	08/19/10	04:19	
CCV	Cr	5048.72265	5060.07177	5037.37304	0.31791	ug/L	08/19/10	04:19	
CCV	Cu	5021.24316	5029.01074	5013.47607	0.21876	ug/L	08/19/10	04:19	
CCV	Fe	5038.95898	5049.98974	5027.92822	0.30958	ug/L	08/19/10	04:19	
CCV	2Fe	5.03898	5.05001	5.02795	0.30955	mg/L	08/19/10	04:19	
CCV	K	10496.81640	10515.20312	10478.42968	0.24772	ug/L	08/19/10	04:19	
CCV	Mg	5269.42285	5277.40869	5261.43701	0.21432	ug/L	08/19/10	04:19	
CCV	2Mg	5.26939	5.27738	5.26141	0.21430	mg/L	08/19/10	04:19	
CCV	Mn	5119.18847	5127.64160	5110.73535	0.23352	ug/L	08/19/10	04:19	
CCV	Mo	497.98693	496.69311	499.28073	0.36742	ug/L	08/19/10	04:19	
CCV	Na	7625.06884	7642.29199	7607.84570	0.31943	ug/L	08/19/10	04:19	
CCV	Ni	2533.75195	2535.85791	2531.64575	0.11755	ug/L	08/19/10	04:19	
CCV	Pb	512.31805	514.73925	509.89688	0.66834	ug/L	08/19/10	04:19	
CCV	Se	4969.75878	4986.20947	4953.30810	0.46812	ug/L	08/19/10	04:19	
CCV	Sb	497.32897	498.06085	496.59710	0.20811	ug/L	08/19/10	04:19	
CCV	Sn	5195.21289	5202.47216	5187.95312	0.19761	ug/L	08/19/10	04:19	
CCV	Sr	2491.47485	2496.21337	2486.73632	0.26896	ug/L	08/19/10	04:19	
CCV	Ti	504.65502	505.22875	504.08129	0.16077	ug/L	08/19/10	04:19	
CCV	Tl	5037.64746	5052.94677	5022.34814	0.42949	ug/L	08/19/10	04:19	
CCV	V	5250.21533	5257.81054	5242.62011	0.20458	ug/L	08/19/10	04:19	
CCV	Zn	2572.28027	2577.35083	2567.20971	0.27877	ug/L	08/19/10	04:19	
CCV	2203/1	519.47668	520.43914	518.51416	0.26202	ug/L	08/19/10	04:19	
CCV	2203/2	508.73931	511.88873	505.58987	0.87549	ug/L	08/19/10	04:19	
CCV	1960/1	5080.97558	5064.03857	5097.91259	0.47141	ug/L	08/19/10	04:19	
CCV	1960/2	4914.23388	4947.35351	4881.11425	0.95311	ug/L	08/19/10	04:19	
CCV	Y	945.37658	944.40496	946.34820	0.14534		08/19/10	04:19	
CCB	Ag	0.50281	0.13785	0.86777	102.64836	ug/L	08/19/10	04:25	
CCB	Al	-24.55212	-22.68702	-26.41723	10.74308	ug/L	08/19/10	04:25	
CCB	2Al	-0.02455	-0.02268	-0.02641	10.74312	mg/L	08/19/10	04:25	
CCB	As	0.41736	0.54214	0.29258	42.28036	ug/L	08/19/10	04:25	
CCB	B	15.53838	19.04715	12.02961	31.93479	ug/L	08/19/10	04:25	
CCB	Ba	1.33796	0.64399	2.03193	73.35169	ug/L	08/19/10	04:25	
CCB	Be	0.23020	0.14115	0.31924	54.70226	ug/L	08/19/10	04:25	
CCB	Ca	8.10405	7.30922	8.89888	13.87032	ug/L	08/19/10	04:25	
CCB	Cd	-0.08732	-0.12874	-0.04590	67.08025	ug/L	08/19/10	04:25	
CCB	Co	0.46359	0.92606	0.00112	141.07801	ug/L	08/19/10	04:25	
CCB	Cr	1.30978	0.81914	1.80043	52.97619	ug/L	08/19/10	04:25	
CCB	Cu	1.58486	0.78405	2.38567	71.45842	ug/L	08/19/10	04:25	
CCB	Fe	-6.07014	-8.54426	-3.59602	57.64173	ug/L	08/19/10	04:25	
CCB	2Fe	-0.00606	-0.00854	-0.00359	57.64278	mg/L	08/19/10	04:25	
CCB	K	3.31373	5.30059	1.32687	84.79396	ug/L	08/19/10	04:25	
CCB	Mg	0.00952	0.00368	0.01536	86.65689	ug/L	08/19/10	04:25	
CCB	2Mg	0.00001	0.00000	0.00001	72.11715	mg/L	08/19/10	04:25	
CCB	Mn	1.40440	0.68823	2.12057	72.11714	ug/L	08/19/10	04:25	
CCB	Mo	-0.93150	-1.43694	-0.42605	76.73688	ug/L	08/19/10	04:25	
CCB	Na	93.98345	188.43487	-0.46796	142.12553	ug/L	08/19/10	04:25	
CCB	Ni	1.09957	1.27551	0.92362	22.62869	ug/L	08/19/10	04:25	
CCB	Pb	0.24747	-0.33619	0.83114	333.54071	ug/L	08/19/10	04:25	
CCB	Se	4.76351	8.76303	0.76399	118.73944	ug/L	08/19/10	04:25	
CCB	Sb	-1.53735	-3.15411	0.07940	148.72589	ug/L	08/19/10	04:25	
CCB	Sn	0.16661	-0.02008	0.35331	158.47225	ug/L	08/19/10	04:25	
CCB	Sr	0.66825	0.29925	1.03725	78.08999	ug/L	08/19/10	04:25	
CCB	Ti	0.63673	0.59590	0.67755	9.06735	ug/L	08/19/10	04:25	
CCB	Tl	3.97181	3.12096	4.82265	30.29531	ug/L	08/19/10	04:25	
CCB	V	1.98539	1.42142	2.54935	40.17170	ug/L	08/19/10	04:25	
CCB	Zn	0.75727	0.27810	1.23643	89.48559	ug/L	08/19/10	04:25	
CCB	2203/1	0.60172	1.68474	-0.48129	254.54008	ug/L	08/19/10	04:25	
CCB	2203/2	0.07061	-1.34514	1.48638	2835.26660	ug/L	08/19/10	04:25	
CCB	1960/1	1.40287	4.61780	-1.81205	324.09072	ug/L	08/19/10	04:25	
CCB	1960/2	6.44131	10.83254	2.05009	96.41086	ug/L	08/19/10	04:25	
CCB	Y	952.14904	950.77343	953.52471	0.20432		08/19/10	04:25	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL	Ag	10.74043	10.76908	10.71178	0.37725	ug/L	08/19/10	04:30	
RL	Al	178.51242	176.20440	180.82043	1.82845	ug/L	08/19/10	04:30	
RL	2Al	0.17852	0.17622	0.18083	1.82846	mg/L	08/19/10	04:30	
RL	As	22.76200	20.65689	24.86712	13.07915	ug/L	08/19/10	04:30	
RL	B	77.93992	78.71644	77.16340	1.40898	ug/L	08/19/10	04:30	
RL	Ba	10.38489	10.07089	10.69890	4.27615	ug/L	08/19/10	04:30	
RL	Be	4.15956	4.18672	4.13239	0.92350	ug/L	08/19/10	04:30	
RL	Ca	513.17321	512.60913	513.73730	0.15545	ug/L	08/19/10	04:30	
RL	Cd	4.73832	4.69652	4.78012	1.24766	ug/L	08/19/10	04:30	
RL	Co	10.30772	9.89807	10.71737	5.62042	ug/L	08/19/10	04:30	
RL	Cr	10.44079	10.26273	10.61885	2.41183	ug/L	08/19/10	04:30	
RL	Cu	21.14756	20.68632	21.60879	3.08442	ug/L	08/19/10	04:30	
RL	Fe	59.42866	50.36769	68.48963	21.56223	ug/L	08/19/10	04:30	
RL	2Fe	0.05942	0.05036	0.06848	21.56107	mg/L	08/19/10	04:30	
RL	K	1032.42089	1027.00769	1037.83398	0.74149	ug/L	08/19/10	04:30	
RL	Mg	523.69964	521.03570	526.36358	0.71937	ug/L	08/19/10	04:30	
RL	2Mg	0.52354	0.52088	0.52620	0.71896	mg/L	08/19/10	04:30	
RL	Mn	10.43074	10.27481	10.58667	2.11412	ug/L	08/19/10	04:30	
RL	Mo	8.28095	8.23248	8.32942	0.82772	ug/L	08/19/10	04:30	
RL	Na	1176.95239	1071.75732	1282.14758	12.64013	ug/L	08/19/10	04:30	
RL	Ni	40.44808	39.98309	40.91306	1.62575	ug/L	08/19/10	04:30	
RL	Pb	10.59127	11.94727	9.23526	18.10620	ug/L	08/19/10	04:30	
RL	Se	20.95956	20.96710	20.95202	0.05087	ug/L	08/19/10	04:30	
RL	Sb	14.89117	13.96444	15.81789	8.80111	ug/L	08/19/10	04:30	
RL	Sn	51.50289	49.19775	53.80805	6.32969	ug/L	08/19/10	04:30	
RL	Sr	10.22961	10.11133	10.34790	1.63530	ug/L	08/19/10	04:30	
RL	Ti	10.17506	10.13136	10.21875	0.60727	ug/L	08/19/10	04:30	
RL	Tl	24.48800	23.06572	25.91027	8.21381	ug/L	08/19/10	04:30	
RL	V	10.74657	10.31456	11.17859	5.68516	ug/L	08/19/10	04:30	
RL	Zn	21.11084	21.21404	21.00764	0.69134	ug/L	08/19/10	04:30	
RL	2203/1	10.52970	10.98806	10.07134	6.15613	ug/L	08/19/10	04:30	
RL	2203/2	10.62201	12.42616	8.81786	24.02043	ug/L	08/19/10	04:30	
RL	1960/1	22.32022	23.66267	20.97777	8.50576	ug/L	08/19/10	04:30	
RL	1960/2	20.28023	19.62132	20.93914	4.59483	ug/L	08/19/10	04:30	
RL	Y	941.96154	942.15393	941.76910	0.02888		08/19/10	04:30	
ICSA	Ag	1.00860	0.70571	1.31148	42.46887	ug/L	08/19/10	04:35	
ICSA	Al	547556.75000	547702.06250	547411.50000	0.03752	ug/L	08/19/10	04:35	
ICSA	2Al	547.57519	547.71356	547.43688	0.03572	mg/L	08/19/10	04:35	
ICSA	As	6.93152	2.03055	11.83250	99.99278	ug/L	08/19/10	04:35	
ICSA	B	-9.56713	-9.89637	-9.23788	4.86692	ug/L	08/19/10	04:35	
ICSA	Ba	1.03132	1.04673	1.01591	2.11316	ug/L	08/19/10	04:35	
ICSA	Be	0.14425	0.12533	0.16317	18.54917	ug/L	08/19/10	04:35	
ICSA	Ca	519477.75000	519733.40625	519222.09375	0.06959	ug/L	08/19/10	04:35	
ICSA	Cd	2.77162	2.42752	3.11572	17.55753	ug/L	08/19/10	04:35	
ICSA	Co	0.95625	1.31373	0.59877	52.86742	ug/L	08/19/10	04:35	
ICSA	Cr	1.44427	1.83106	1.05748	37.87366	ug/L	08/19/10	04:35	
ICSA	Cu	2.30056	2.44789	2.15322	9.05701	ug/L	08/19/10	04:35	
ICSA	Fe	198597.43750	198672.21875	198522.64062	0.05325	ug/L	08/19/10	04:35	
ICSA	2Fe	198.56048	198.63252	198.48843	0.05131	mg/L	08/19/10	04:35	
ICSA	K	11.86840	9.87935	13.85746	23.70116	ug/L	08/19/10	04:35	
ICSA	Mg	565239.37500	565523.93750	564954.75000	0.07120	ug/L	08/19/10	04:35	
ICSA	2Mg	565.01409	565.29016	564.73803	0.06909	mg/L	08/19/10	04:35	
ICSA	Mn	-1.31822	-1.32740	-1.30904	0.98453	ug/L	08/19/10	04:35	
ICSA	Mo	0.18434	-0.01827	0.38695	155.44110	ug/L	08/19/10	04:35	
ICSA	Na	17.11329	-3.86124	38.08782	173.33001	ug/L	08/19/10	04:35	
ICSA	Ni	-0.96511	-1.02956	-0.90066	9.44411	ug/L	08/19/10	04:35	
ICSA	Pb	2.55114	0.29557	4.80671	125.03608	ug/L	08/19/10	04:35	
ICSA	Se	-1.42358	0.14047	-2.98764	155.37677	ug/L	08/19/10	04:35	
ICSA	Sb	0.02948	-2.42557	2.48454	11775.27832	ug/L	08/19/10	04:35	
ICSA	Sn	3.99060	2.70335	5.27785	45.61833	ug/L	08/19/10	04:35	
ICSA	Sr	2.42750	2.40569	2.44931	1.27064	ug/L	08/19/10	04:35	
ICSA	Ti	2.53902	2.46325	2.61479	4.22037	ug/L	08/19/10	04:35	
ICSA	Tl	-13.37066	-10.81652	-15.92480	27.01513	ug/L	08/19/10	04:35	
ICSA	V	-0.41723	-0.63542	-0.19905	73.95359	ug/L	08/19/10	04:35	
ICSA	Zn	6.19907	6.14606	6.25208	1.20934	ug/L	08/19/10	04:35	
ICSA	2203/1	-10.20310	-6.90555	-13.50064	45.70600	ug/L	08/19/10	04:35	
ICSA	2203/2	8.91871	3.89075	13.94667	79.72688	ug/L	08/19/10	04:35	
ICSA	1960/1	-6.91354	-6.78447	-7.04261	2.64022	ug/L	08/19/10	04:35	
ICSA	1960/2	1.31728	3.59776	-0.96320	244.82926	ug/L	08/19/10	04:35	
ICSA	Y	859.25354	858.52722	859.97985	0.11954		08/19/10	04:35	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB	Ag	214.46101	214.98623	213.93579	0.34634	ug/L	08/19/10	04:41	
ICSAB	Al	533303.75000	533430.93750	533176.56250	0.03372	ug/L	08/19/10	04:41	
ICSAB	2Al	533.30529	533.44354	533.16711	0.03665	mg/L	08/19/10	04:41	
ICSAB	As	105.54249	107.22242	103.86257	2.25101	ug/L	08/19/10	04:41	
ICSAB	B	-9.87998	-11.19440	-8.56557	18.81440	ug/L	08/19/10	04:41	
ICSAB	Ba	515.10449	515.61492	514.59411	0.14013	ug/L	08/19/10	04:41	
ICSAB	Be	504.69970	505.21850	504.18087	0.14537	ug/L	08/19/10	04:41	
ICSAB	Ca	507996.31250	508620.56250	507372.09375	0.17378	ug/L	08/19/10	04:41	
ICSAB	Cd	963.80358	966.15112	961.45611	0.34445	ug/L	08/19/10	04:41	
ICSAB	Co	482.67086	484.62136	480.72036	0.57149	ug/L	08/19/10	04:41	
ICSAB	Cr	488.53057	489.25003	487.81109	0.20827	ug/L	08/19/10	04:41	
ICSAB	Cu	540.89685	540.67102	541.12261	0.05903	ug/L	08/19/10	04:41	
ICSAB	Fe	194165.04687	194425.51562	193904.57812	0.18971	ug/L	08/19/10	04:41	
ICSAB	2Fe	194.12350	194.38841	193.85861	0.19298	mg/L	08/19/10	04:41	
ICSAB	K	0.99048	-3.18731	5.16828	596.50592	ug/L	08/19/10	04:41	
ICSAB	Mg	551571.81250	552163.93750	550979.68750	0.15181	ug/L	08/19/10	04:41	
ICSAB	2Mg	551.33483	551.94061	550.72912	0.15537	mg/L	08/19/10	04:41	
ICSAB	Mn	499.21118	500.12414	498.29824	0.25862	ug/L	08/19/10	04:41	
ICSAB	Mo	1079.65356	1076.97253	1082.33459	0.35118	ug/L	08/19/10	04:41	
ICSAB	Na	11.85960	11.89131	11.82788	0.37821	ug/L	08/19/10	04:41	
ICSAB	Ni	948.22302	949.16656	947.27941	0.14072	ug/L	08/19/10	04:41	
ICSAB	Pb	47.94276	45.56542	50.32010	7.01266	ug/L	08/19/10	04:41	
ICSAB	Se	53.49340	52.45870	54.52809	2.73543	ug/L	08/19/10	04:41	
ICSAB	Sb	627.62646	622.12292	633.12994	1.24009	ug/L	08/19/10	04:41	
ICSAB	Sn	1149.34277	1145.79528	1152.89013	0.43649	ug/L	08/19/10	04:41	
ICSAB	Sr	2.31216	2.30600	2.31833	0.37711	ug/L	08/19/10	04:41	
ICSAB	Ti	2.37813	2.46922	2.28705	5.41634	ug/L	08/19/10	04:41	
ICSAB	Tl	92.43865	91.86811	93.00920	0.87287	ug/L	08/19/10	04:41	
ICSAB	V	520.01867	520.50012	519.53729	0.13092	ug/L	08/19/10	04:41	
ICSAB	Zn	990.64208	992.13153	989.15264	0.21262	ug/L	08/19/10	04:41	
ICSAB	2203/1	33.90906	33.26455	34.55357	2.68799	ug/L	08/19/10	04:41	
ICSAB	2203/2	54.94909	51.70663	58.19154	8.34503	ug/L	08/19/10	04:41	
ICSAB	1960/1	42.40600	38.17811	46.63389	14.09974	ug/L	08/19/10	04:41	
ICSAB	1960/2	59.02878	59.58829	58.46928	1.34046	ug/L	08/19/10	04:41	
ICSAB	Y	862.14434	860.02795	864.26074	0.34716		08/19/10	04:41	
CCV	Ag	504.28656	503.64721	504.92590	0.17929	ug/L	08/19/10	04:49	
CCV	Al	5059.64550	5061.62500	5057.66650	0.05532	ug/L	08/19/10	04:49	
CCV	2Al	5.05995	5.06205	5.05784	0.05882	mg/L	08/19/10	04:49	
CCV	As	507.82794	503.78836	511.86752	1.12495	ug/L	08/19/10	04:49	
CCV	B	4992.06835	4989.51562	4994.62158	0.07232	ug/L	08/19/10	04:49	
CCV	Ba	5035.19726	5034.19140	5036.20263	0.02824	ug/L	08/19/10	04:49	
CCV	Be	502.87805	502.80517	502.95089	0.02049	ug/L	08/19/10	04:49	
CCV	Ca	5206.91503	5201.91894	5211.91162	0.13570	ug/L	08/19/10	04:49	
CCV	Cd	498.58416	499.55337	497.61492	0.27491	ug/L	08/19/10	04:49	
CCV	Co	507.97418	509.31323	506.63516	0.37279	ug/L	08/19/10	04:49	
CCV	Cr	5055.22119	5058.81298	5051.62939	0.10048	ug/L	08/19/10	04:49	
CCV	Cu	5031.68212	5034.16748	5029.19677	0.06985	ug/L	08/19/10	04:49	
CCV	Fe	5039.74755	5058.17431	5021.32080	0.51707	ug/L	08/19/10	04:49	
CCV	2Fe	5.03977	5.05819	5.02134	0.51703	mg/L	08/19/10	04:49	
CCV	K	10520.42578	10524.23339	10516.61816	0.05118	ug/L	08/19/10	04:49	
CCV	Mg	5292.75781	5296.37792	5289.13818	0.09672	ug/L	08/19/10	04:49	
CCV	2Mg	5.29272	5.29634	5.28910	0.09664	mg/L	08/19/10	04:49	
CCV	Mn	5121.89453	5124.29248	5119.49707	0.06620	ug/L	08/19/10	04:49	
CCV	Mo	495.29064	493.59680	496.98449	0.48364	ug/L	08/19/10	04:49	
CCV	Na	7573.42089	7548.68261	7598.15917	0.46194	ug/L	08/19/10	04:49	
CCV	Ni	2532.80810	2535.68139	2529.93481	0.16043	ug/L	08/19/10	04:49	
CCV	Pb	512.82666	513.66906	511.98425	0.23230	ug/L	08/19/10	04:49	
CCV	Se	4980.50537	4972.82470	4988.18603	0.21809	ug/L	08/19/10	04:49	
CCV	Sb	499.59942	496.78323	502.41561	0.79717	ug/L	08/19/10	04:49	
CCV	Sn	5212.06738	5213.37792	5210.75732	0.03555	ug/L	08/19/10	04:49	
CCV	Sr	2491.20214	2495.71215	2486.69189	0.25603	ug/L	08/19/10	04:49	
CCV	Ti	502.59881	503.11401	502.08364	0.14496	ug/L	08/19/10	04:49	
CCV	Tl	5038.32324	5040.02880	5036.61816	0.04786	ug/L	08/19/10	04:49	
CCV	V	5261.77685	5266.63623	5256.91748	0.13060	ug/L	08/19/10	04:49	
CCV	Zn	2571.83886	2575.36621	2568.31152	0.19396	ug/L	08/19/10	04:49	
CCV	2203/1	520.53668	521.35839	519.71496	0.22324	ug/L	08/19/10	04:49	
CCV	2203/2	508.97259	509.82531	508.11987	0.23693	ug/L	08/19/10	04:49	
CCV	1960/1	5079.75781	5073.37500	5086.14111	0.17770	ug/L	08/19/10	04:49	
CCV	1960/2	4930.95312	4922.62500	4939.28173	0.23886	ug/L	08/19/10	04:49	
CCV	Y	938.43096	939.16210	937.69982	0.11018		08/19/10	04:49	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.59777	0.25573	0.93981	80.91873	ug/L	08/19/10	04:54	
CCB	Al	-19.10216	-27.03377	-11.17055	58.72106	ug/L	08/19/10	04:54	
CCB	2Al	-0.01910	-0.02703	-0.01117	58.72095	mg/L	08/19/10	04:54	
CCB	As	2.75370	0.59025	4.91716	111.10795	ug/L	08/19/10	04:54	
CCB	B	16.98268	18.45080	15.51456	12.22559	ug/L	08/19/10	04:54	
CCB	Ba	1.07556	0.17319	1.97794	118.64928	ug/L	08/19/10	04:54	
CCB	Be	0.19477	0.09594	0.29360	71.75615	ug/L	08/19/10	04:54	
CCB	Ca	10.37302	4.70864	16.03740	77.22566	ug/L	08/19/10	04:54	
CCB	Cd	0.04410	0.09752	-0.00931	171.27705	ug/L	08/19/10	04:54	
CCB	Co	1.26166	1.50548	1.01784	27.33005	ug/L	08/19/10	04:54	
CCB	Cr	1.55565	0.12791	2.98340	129.79309	ug/L	08/19/10	04:54	
CCB	Cu	1.55231	0.58967	2.51495	87.69979	ug/L	08/19/10	04:54	
CCB	Fe	-15.89208	-18.43074	-13.35341	22.59119	ug/L	08/19/10	04:54	
CCB	2Fe	-0.01588	-0.01842	-0.01335	22.59223	mg/L	08/19/10	04:54	
CCB	K	4.18425	-4.69958	13.06809	300.26025	ug/L	08/19/10	04:54	
CCB	Mg	10.34831	5.14123	15.55539	71.16063	ug/L	08/19/10	04:54	
CCB	2Mg	0.01034	0.00514	0.01555	71.13765	mg/L	08/19/10	04:54	
CCB	Mn	1.15594	0.20191	2.10997	116.71800	ug/L	08/19/10	04:54	
CCB	Mo	-1.06150	-1.43843	-0.68458	50.21663	ug/L	08/19/10	04:54	
CCB	Na	133.37794	152.40559	114.35029	20.17511	ug/L	08/19/10	04:54	
CCB	Ni	-0.24368	-0.34704	-0.14033	59.98120	ug/L	08/19/10	04:54	
CCB	Pb	-0.26117	0.49132	-1.01366	407.46606	ug/L	08/19/10	04:54	
CCB	Se	0.24161	-1.66303	2.14627	1114.81140	ug/L	08/19/10	04:54	
CCB	Sb	-1.23909	0.37096	-2.84916	183.76115	ug/L	08/19/10	04:54	
CCB	Sn	1.83692	1.10793	2.56590	56.12364	ug/L	08/19/10	04:54	
CCB	Sr	0.56042	0.12902	0.99183	108.86194	ug/L	08/19/10	04:54	
CCB	Ti	0.34775	0.46001	0.23548	45.65554	ug/L	08/19/10	04:54	
CCB	Tl	4.07535	3.08164	5.06907	34.48336	ug/L	08/19/10	04:54	
CCB	V	1.53349	0.36522	2.70175	107.73930	ug/L	08/19/10	04:54	
CCB	Zn	0.67627	-0.14678	1.49934	172.11755	ug/L	08/19/10	04:54	
CCB	2203/1	1.11320	1.17875	1.04765	8.32733	ug/L	08/19/10	04:54	
CCB	2203/2	-0.94732	0.14812	-2.04278	163.53482	ug/L	08/19/10	04:54	
CCB	1960/1	-1.30026	-1.02099	-1.57954	30.37483	ug/L	08/19/10	04:54	
CCB	1960/2	1.01140	-1.98358	4.00639	418.77810	ug/L	08/19/10	04:54	
CCB	Y	932.23083	935.63153	928.83020	0.51588		08/19/10	04:54	
CCV	Ag	485.98156	486.34863	485.61447	0.10682	ug/L	08/19/10	09:50	
CCV	Al	4916.78320	4920.95458	4912.61181	0.11998	ug/L	08/19/10	09:50	
CCV	2Al	4.91695	4.92088	4.91303	0.11290	mg/L	08/19/10	09:50	
CCV	As	494.01986	496.95697	491.08276	0.84079	ug/L	08/19/10	09:50	
CCV	B	4808.36083	4812.91357	4803.80810	0.13390	ug/L	08/19/10	09:50	
CCV	Ba	4852.52050	4857.57861	4847.46240	0.14741	ug/L	08/19/10	09:50	
CCV	Be	484.76702	484.58093	484.95312	0.05428	ug/L	08/19/10	09:50	
CCV	Ca	5037.56152	5038.60791	5036.51464	0.02938	ug/L	08/19/10	09:50	
CCV	Cd	478.31158	478.83285	477.79028	0.15412	ug/L	08/19/10	09:50	
CCV	Co	490.96398	491.71008	490.21789	0.21491	ug/L	08/19/10	09:50	
CCV	Cr	4868.22070	4868.99365	4867.44726	0.02246	ug/L	08/19/10	09:50	
CCV	Cu	4860.76953	4864.48291	4857.05566	0.10804	ug/L	08/19/10	09:50	
CCV	Fe	4857.26757	4869.68847	4844.84619	0.36164	ug/L	08/19/10	09:50	
CCV	2Fe	4.85729	4.86971	4.84487	0.36160	mg/L	08/19/10	09:50	
CCV	K	10237.99414	10250.08789	10225.90136	0.16704	ug/L	08/19/10	09:50	
CCV	Mg	5106.08300	5108.01464	5104.15136	0.05349	ug/L	08/19/10	09:50	
CCV	2Mg	5.10605	5.10798	5.10412	0.05343	mg/L	08/19/10	09:50	
CCV	Mn	4944.57861	4945.33740	4943.81982	0.02170	ug/L	08/19/10	09:50	
CCV	Mo	479.33938	477.21749	481.46127	0.62602	ug/L	08/19/10	09:50	
CCV	Na	7369.52441	7268.48242	7470.56689	1.93900	ug/L	08/19/10	09:50	
CCV	Ni	2453.43090	2456.13159	2450.73022	0.15567	ug/L	08/19/10	09:50	
CCV	Pb	494.36727	492.94851	495.78604	0.40585	ug/L	08/19/10	09:50	
CCV	Se	4796.22363	4800.32421	4792.12304	0.12090	ug/L	08/19/10	09:50	
CCV	Sb	481.46215	483.84167	479.08267	0.69893	ug/L	08/19/10	09:50	
CCV	Sn	5039.35449	5038.02148	5040.68750	0.03740	ug/L	08/19/10	09:50	
CCV	Sr	2382.02832	2381.94995	2382.10668	0.00465	ug/L	08/19/10	09:50	
CCV	Ti	485.28207	485.68643	484.87771	0.11783	ug/L	08/19/10	09:50	
CCV	Tl	4837.10058	4845.05468	4829.14697	0.23254	ug/L	08/19/10	09:50	
CCV	V	5087.89208	5089.25195	5086.53222	0.03779	ug/L	08/19/10	09:50	
CCV	Zn	2497.66455	2497.70263	2497.62646	0.00215	ug/L	08/19/10	09:50	
CCV	2203/1	507.84954	506.48843	509.21063	0.37902	ug/L	08/19/10	09:50	
CCV	2203/2	487.63159	486.18399	489.07916	0.41982	ug/L	08/19/10	09:50	
CCV	1960/1	4929.95312	4914.19042	4945.71582	0.45217	ug/L	08/19/10	09:50	
CCV	1960/2	4729.45898	4743.47656	4715.44189	0.41914	ug/L	08/19/10	09:50	
CCV	Y	950.43188	950.07116	950.79266	0.05367		08/19/10	09:50	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.68764	0.50333	0.87195	37.90431	ug/L	08/19/10	09:58	
CCB	Al	-34.18748	-33.81840	-34.55655	1.52671	ug/L	08/19/10	09:58	
CCB	2Al	-0.03419	-0.03382	-0.03455	1.52671	mg/L	08/19/10	09:58	
CCB	As	-0.25618	-1.62516	1.11279	755.72906	ug/L	08/19/10	09:58	
CCB	B	17.99862	20.13978	15.85746	16.82383	ug/L	08/19/10	09:58	
CCB	Ba	-0.01367	0.01285	-0.04019	274.34368	ug/L	08/19/10	09:58	
CCB	Be	0.09121	0.09179	0.09063	0.89583	ug/L	08/19/10	09:58	
CCB	Ca	6.45038	5.95507	6.94568	10.85925	ug/L	08/19/10	09:58	
CCB	Cd	-0.01601	-0.42093	0.38889	3574.79394	ug/L	08/19/10	09:58	
CCB	Co	0.66660	0.52304	0.81015	30.45562	ug/L	08/19/10	09:58	
CCB	Cr	0.00764	0.35844	-0.34314	6486.24414	ug/L	08/19/10	09:58	
CCB	Cu	0.62233	0.94404	0.30062	73.10644	ug/L	08/19/10	09:58	
CCB	Fe	-15.06286	-21.64206	-8.48366	61.77040	ug/L	08/19/10	09:58	
CCB	2Fe	-0.01506	-0.02163	-0.00848	61.77200	mg/L	08/19/10	09:58	
CCB	K	0.08553	-2.09595	2.26702	3606.70996	ug/L	08/19/10	09:58	
CCB	Mg	-0.00300	-0.00436	-0.00165	63.46190	ug/L	08/19/10	09:58	
CCB	2Mg	0.00000	0.00000	0.00000	75.87911	mg/L	08/19/10	09:58	
CCB	Mn	-0.04779	-0.07343	-0.02214	75.87911	ug/L	08/19/10	09:58	
CCB	Mo	-0.55520	-0.97367	-0.13673	106.59243	ug/L	08/19/10	09:58	
CCB	Na	36.99464	56.08497	17.90432	72.97757	ug/L	08/19/10	09:58	
CCB	Ni	-0.27422	-0.65893	0.11048	198.39892	ug/L	08/19/10	09:58	
CCB	Pb	-0.26999	-1.50154	0.96155	645.07629	ug/L	08/19/10	09:58	
CCB	Se	1.97341	2.69482	1.25200	51.69871	ug/L	08/19/10	09:58	
CCB	Sb	-0.93095	-0.23197	-1.62993	106.18218	ug/L	08/19/10	09:58	
CCB	Sn	2.32134	2.94099	1.70169	37.75025	ug/L	08/19/10	09:58	
CCB	Sr	0.01174	0.01171	0.01177	0.34275	ug/L	08/19/10	09:58	
CCB	Ti	0.19548	0.26496	0.12601	50.26020	ug/L	08/19/10	09:58	
CCB	Tl	2.79761	3.26862	2.32660	23.80987	ug/L	08/19/10	09:58	
CCB	V	0.14700	-0.06548	0.35950	204.42056	ug/L	08/19/10	09:58	
CCB	Zn	-0.20255	-0.25601	-0.14909	37.32517	ug/L	08/19/10	09:58	
CCB	2203/1	0.53583	-2.01232	3.08398	672.53424	ug/L	08/19/10	09:58	
CCB	2203/2	-0.67230	-1.24653	-0.09807	120.79122	ug/L	08/19/10	09:58	
CCB	1960/1	1.58605	4.44642	-1.27430	255.04518	ug/L	08/19/10	09:58	
CCB	1960/2	2.16680	1.82033	2.51326	22.61269	ug/L	08/19/10	09:58	
CCB	Y	943.45263	944.19335	942.71185	0.11103		08/19/10	09:58	
PBW 177399	Ag	0.37515	0.30961	0.44069	24.70671	ug/L	08/19/10	10:03	
PBW 177399	Al	-15.12340	-11.14705	-19.09974	37.18347	ug/L	08/19/10	10:03	
PBW 177399	2Al	-0.01512	-0.01114	-0.01910	37.18338	mg/L	08/19/10	10:03	
PBW 177399	As	1.53170	3.30402	-0.24061	163.63690	ug/L	08/19/10	10:03	
PBW 177399	B	-3.73086	-3.20272	-4.25900	20.01946	ug/L	08/19/10	10:03	
PBW 177399	Ba	0.56925	0.59829	0.54021	7.21378	ug/L	08/19/10	10:03	
PBW 177399	Be	0.12703	0.13327	0.12079	6.94589	ug/L	08/19/10	10:03	
PBW 177399	Ca	329.09899	336.31463	321.88336	3.10072	ug/L	08/19/10	10:03	
PBW 177399	Cd	-0.31135	-0.41613	-0.20658	47.59059	ug/L	08/19/10	10:03	
PBW 177399	Co	0.82316	0.04815	1.59817	133.14878	ug/L	08/19/10	10:03	
PBW 177399	Cr	0.89318	0.75878	1.02759	21.28064	ug/L	08/19/10	10:03	
PBW 177399	Cu	1.23695	1.62670	0.84720	44.56027	ug/L	08/19/10	10:03	
PBW 177399	Fe	46.38698	47.41188	45.36209	3.12463	ug/L	08/19/10	10:03	
PBW 177399	2Fe	0.04638	0.04740	0.04535	3.12404	mg/L	08/19/10	10:03	
PBW 177399	K	23.72040	24.32930	23.11150	3.63025	ug/L	08/19/10	10:03	
PBW 177399	Mg	13.18662	10.74497	15.62826	26.18572	ug/L	08/19/10	10:03	
PBW 177399	2Mg	0.01317	0.01073	0.01561	26.20306	mg/L	08/19/10	10:03	
PBW 177399	Mn	0.81085	0.82462	0.79709	2.40092	ug/L	08/19/10	10:03	
PBW 177399	Mo	-0.79881	0.31572	-1.91334	197.31674	ug/L	08/19/10	10:03	
PBW 177399	Na	165.80870	217.15071	114.46668	43.79056	ug/L	08/19/10	10:03	
PBW 177399	Ni	0.00002	-0.64382	0.64388	3108117.50000	ug/L	08/19/10	10:03	
PBW 177399	Pb	2.31025	2.28069	2.33981	1.80953	ug/L	08/19/10	10:03	
PBW 177399	Se	-2.13483	0.95123	-5.22091	204.43579	ug/L	08/19/10	10:03	
PBW 177399	Sb	2.67789	1.32560	4.03018	71.41534	ug/L	08/19/10	10:03	
PBW 177399	Sn	13.46029	16.77918	10.14139	34.87014	ug/L	08/19/10	10:03	
PBW 177399	Sr	4.36733	4.46028	4.27437	3.01006	ug/L	08/19/10	10:03	
PBW 177399	Ti	0.38076	0.46750	0.29403	32.21540	ug/L	08/19/10	10:03	
PBW 177399	Tl	0.15077	0.64627	-0.34472	464.75796	ug/L	08/19/10	10:03	
PBW 177399	V	0.46704	1.06674	-0.13266	181.59246	ug/L	08/19/10	10:03	
PBW 177399	Zn	6.94398	6.99893	6.88903	1.11912	ug/L	08/19/10	10:03	
PBW 177399	2203/1	1.68733	0.58787	2.78680	92.14987	ug/L	08/19/10	10:03	
PBW 177399	2203/2	2.62124	3.12583	2.11665	27.22364	ug/L	08/19/10	10:03	
PBW 177399	1960/1	-7.25179	-8.55661	-5.94696	25.44617	ug/L	08/19/10	10:03	
PBW 177399	1960/2	0.41980	5.69804	-4.85843	1778.10107	ug/L	08/19/10	10:03	
PBW 177399	Y	910.69653	896.87255	924.52044	2.14670		08/19/10	10:03	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60283-5 1/10	Ag	0.19257	-0.18020	0.56534	273.75936	ug/L	08/19/10	10:10	
60283-5 1/10	Al	9188.60937	9194.11914	9183.09960	0.08480	ug/L	08/19/10	10:10	
60283-5 1/10	2Al	9.18947	9.19498	9.18395	0.08480	mg/L	08/19/10	10:10	
60283-5 1/10	As	7.81019	6.47951	9.14088	24.09509	ug/L	08/19/10	10:10	
60283-5 1/10	B	9.08277	9.55998	8.60557	7.43022	ug/L	08/19/10	10:10	
60283-5 1/10	Ba	232.30848	232.26831	232.34866	0.02445	ug/L	08/19/10	10:10	
60283-5 1/10	Be	0.55992	0.57647	0.54336	4.18140	ug/L	08/19/10	10:10	
60283-5 1/10	Ca	151807.59375	151818.75000	151796.45312	0.01038	ug/L	08/19/10	10:10	
60283-5 1/10	Cd	2.56670	2.25507	2.87833	17.17040	ug/L	08/19/10	10:10	
60283-5 1/10	Co	4.39664	4.23651	4.55677	5.15063	ug/L	08/19/10	10:10	
60283-5 1/10	Cr	21.04664	21.09883	20.99445	0.35068	ug/L	08/19/10	10:10	
60283-5 1/10	Cu	85.21546	85.44274	84.98820	0.37716	ug/L	08/19/10	10:10	
60283-5 1/10	Fe	15546.74414	15547.54492	15545.94238	0.00728	ug/L	08/19/10	10:10	
60283-5 1/10	2Fe	15.54477	15.54557	15.54397	0.00728	mg/L	08/19/10	10:10	
60283-5 1/10	K	1823.19116	1819.98742	1826.39501	0.24851	ug/L	08/19/10	10:10	
60283-5 1/10	Mg	2796.79931	2792.04467	2801.55395	0.24042	ug/L	08/19/10	10:10	
60283-5 1/10	2Mg	2.79335	2.78860	2.79811	0.24064	mg/L	08/19/10	10:10	
60283-5 1/10	Mn	177.34088	177.46987	177.21189	0.10286	ug/L	08/19/10	10:10	
60283-5 1/10	Mo	-0.78133	-0.68683	-0.87583	17.10375	ug/L	08/19/10	10:10	
60283-5 1/10	Na	118.71230	32.04751	205.37709	103.24330	ug/L	08/19/10	10:10	
60283-5 1/10	Ni	9.99634	9.93628	10.05639	0.84962	ug/L	08/19/10	10:10	
60283-5 1/10	Pb	2650.58740	2652.64086	2648.53393	0.10956	ug/L	08/19/10	10:10	
60283-5 1/10	Se	-0.11907	-3.77956	3.54141	4347.51855	ug/L	08/19/10	10:10	
60283-5 1/10	Sb	-0.66115	1.17293	-2.49523	392.31369	ug/L	08/19/10	10:10	
60283-5 1/10	Sn	370.07257	372.01080	368.13436	0.74067	ug/L	08/19/10	10:10	
60283-5 1/10	Sr	172.11474	172.00151	172.22798	0.09304	ug/L	08/19/10	10:10	
60283-5 1/10	Ti	38.39741	38.29653	38.49828	0.37152	ug/L	08/19/10	10:10	
60283-5 1/10	Tl	-3.07728	1.71373	-7.86829	220.17871	ug/L	08/19/10	10:10	
60283-5 1/10	V	24.02616	23.61847	24.43384	2.39970	ug/L	08/19/10	10:10	
60283-5 1/10	Zn	545.07104	545.48986	544.65222	0.10866	ug/L	08/19/10	10:10	
60283-5 1/10	2203/1	2716.68701	2717.14941	2716.22460	0.02407	ug/L	08/19/10	10:10	
60283-5 1/10	2203/2	2617.58715	2620.43481	2614.73950	0.15385	ug/L	08/19/10	10:10	
60283-5 1/10	1960/1	0.30331	-0.31861	0.92524	289.97665	ug/L	08/19/10	10:10	
60283-5 1/10	1960/2	-0.32995	-5.50743	4.84753	2219.14257	ug/L	08/19/10	10:10	
60283-5 1/10	Y	933.01013	932.01440	934.00579	0.15092		08/19/10	10:10	
RL ICP	Ag	10.84357	10.75840	10.92874	1.11079	ug/L	08/19/10	10:18	
RL ICP	Al	172.47482	175.05332	169.89633	2.11424	ug/L	08/19/10	10:18	
RL ICP	2Al	0.17249	0.17506	0.16991	2.11424	mg/L	08/19/10	10:18	
RL ICP	As	19.81068	19.09004	20.53131	5.14434	ug/L	08/19/10	10:18	
RL ICP	B	73.51442	73.19226	73.83659	0.61975	ug/L	08/19/10	10:18	
RL ICP	Ba	10.05072	10.06042	10.04102	0.13647	ug/L	08/19/10	10:18	
RL ICP	Be	4.12699	4.11668	4.13731	0.35346	ug/L	08/19/10	10:18	
RL ICP	Ca	513.54290	513.80694	513.27886	0.07271	ug/L	08/19/10	10:18	
RL ICP	Cd	4.63484	4.52507	4.74461	3.34949	ug/L	08/19/10	10:18	
RL ICP	Co	10.97134	10.54503	11.39766	5.49524	ug/L	08/19/10	10:18	
RL ICP	Cr	10.44824	10.66163	10.23484	2.88843	ug/L	08/19/10	10:18	
RL ICP	Cu	20.68782	21.06672	20.30893	2.59010	ug/L	08/19/10	10:18	
RL ICP	Fe	38.55342	53.55588	23.55096	55.03190	ug/L	08/19/10	10:18	
RL ICP	2Fe	0.03855	0.05355	0.02355	55.02503	mg/L	08/19/10	10:18	
RL ICP	K	1019.77655	1023.50109	1016.05200	0.51651	ug/L	08/19/10	10:18	
RL ICP	Mg	521.15789	520.49383	521.82196	0.18019	ug/L	08/19/10	10:18	
RL ICP	2Mg	0.52100	0.52034	0.52167	0.18090	mg/L	08/19/10	10:18	
RL ICP	Mn	10.15900	10.21292	10.10508	0.75061	ug/L	08/19/10	10:18	
RL ICP	Mo	9.11842	10.45180	7.78504	20.67992	ug/L	08/19/10	10:18	
RL ICP	Na	1038.05908	918.20886	1157.90917	16.32794	ug/L	08/19/10	10:18	
RL ICP	Ni	39.83613	40.22001	39.45225	1.36281	ug/L	08/19/10	10:18	
RL ICP	Pb	11.80534	11.79372	11.81695	0.13915	ug/L	08/19/10	10:18	
RL ICP	Se	19.05456	16.52281	21.58631	18.79040	ug/L	08/19/10	10:18	
RL ICP	Sb	15.54911	14.39833	16.69989	10.46650	ug/L	08/19/10	10:18	
RL ICP	Sn	52.60866	52.27779	52.93953	0.88944	ug/L	08/19/10	10:18	
RL ICP	Sr	10.08619	10.12979	10.04259	0.61138	ug/L	08/19/10	10:18	
RL ICP	Ti	10.09976	10.06569	10.13382	0.47693	ug/L	08/19/10	10:18	
RL ICP	Tl	22.70510	27.41842	17.99178	29.35747	ug/L	08/19/10	10:18	
RL ICP	V	10.73135	11.02074	10.44197	3.81358	ug/L	08/19/10	10:18	
RL ICP	Zn	21.16850	21.29988	21.03712	0.87772	ug/L	08/19/10	10:18	
RL ICP	2203/1	12.27726	11.40779	13.14672	10.01536	ug/L	08/19/10	10:18	
RL ICP	2203/2	11.56973	11.98640	11.15307	5.09307	ug/L	08/19/10	10:18	
RL ICP	1960/1	20.18486	20.22209	20.14764	0.26082	ug/L	08/19/10	10:18	
RL ICP	1960/2	18.49026	14.67595	22.30457	29.17344	ug/L	08/19/10	10:18	
RL ICP	Y	946.54064	943.13513	949.94610	0.50880		08/19/10	10:18	

D081810

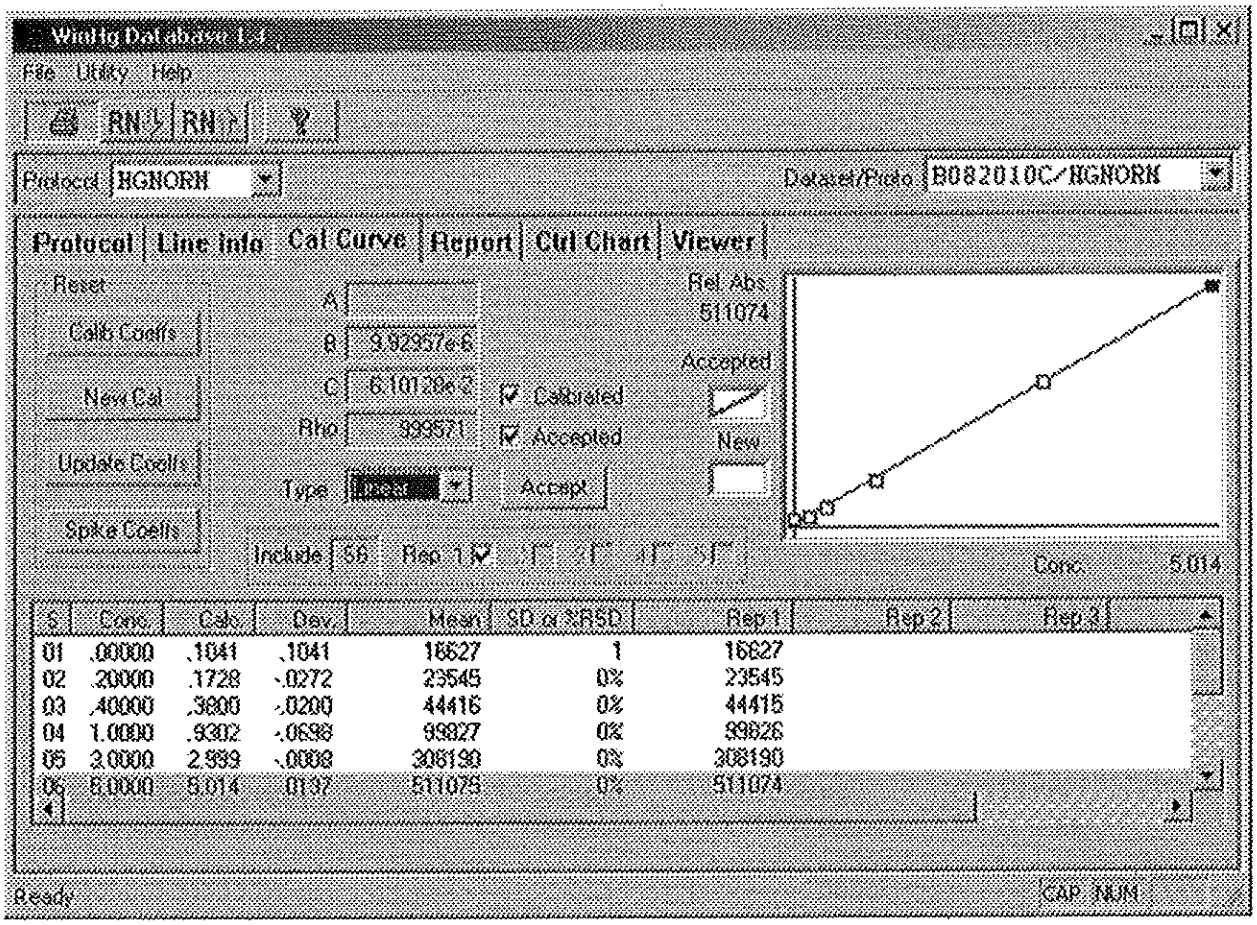
SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP	Ag	10.74444	10.79033	10.69855	0.60400	ug/L	08/19/10	10:32	
RL ICP	Al	179.46847	179.60528	179.33166	0.10780	ug/L	08/19/10	10:32	
RL ICP	2Al	0.17948	0.17962	0.17934	0.10780	mg/L	08/19/10	10:32	
RL ICP	As	20.83283	20.51996	21.14570	2.12388	ug/L	08/19/10	10:32	
RL ICP	B	71.66528	74.07174	69.25881	4.74881	ug/L	08/19/10	10:32	
RL ICP	Ba	10.16425	10.14068	10.18782	0.32797	ug/L	08/19/10	10:32	
RL ICP	Be	4.10107	4.10711	4.09503	0.20825	ug/L	08/19/10	10:32	
RL ICP	Ca	517.82336	517.79077	517.85589	0.00889	ug/L	08/19/10	10:32	
RL ICP	Cd	4.95659	4.91694	4.99624	1.13138	ug/L	08/19/10	10:32	
RL ICP	Co	10.66948	10.46622	10.87275	2.69419	ug/L	08/19/10	10:32	
RL ICP	Cr	9.95568	9.81903	10.09234	1.94117	ug/L	08/19/10	10:32	
RL ICP	Cu	21.05509	20.98194	21.12825	0.49135	ug/L	08/19/10	10:32	
RL ICP	Fe	40.01590	38.24642	41.78538	6.25356	ug/L	08/19/10	10:32	
RL ICP	2Fe	0.04001	0.03824	0.04178	6.25320	mg/L	08/19/10	10:32	
RL ICP	K	1032.69555	1026.51818	1038.87280	0.84594	ug/L	08/19/10	10:32	
RL ICP	Mg	529.93579	526.44909	533.42242	0.93046	ug/L	08/19/10	10:32	
RL ICP	2Mg	0.52978	0.52629	0.53326	0.93040	mg/L	08/19/10	10:32	
RL ICP	Mn	10.18950	10.20740	10.17161	0.24838	ug/L	08/19/10	10:32	
RL ICP	Mo	10.10666	10.42035	9.79297	4.38940	ug/L	08/19/10	10:32	
RL ICP	Na	1085.25817	781.31903	1389.19738	39.60669	ug/L	08/19/10	10:32	
RL ICP	Ni	41.76138	41.21489	42.30787	1.85064	ug/L	08/19/10	10:32	
RL ICP	Pb	8.37130	7.53358	9.20901	14.15200	ug/L	08/19/10	10:32	
RL ICP	Se	20.15367	21.80395	18.50338	11.58031	ug/L	08/19/10	10:32	
RL ICP	Sb	16.78408	17.19091	16.37726	3.42785	ug/L	08/19/10	10:32	
RL ICP	Sn	53.19973	51.25717	55.14229	5.16392	ug/L	08/19/10	10:32	
RL ICP	Sr	10.19794	10.18474	10.21114	0.18303	ug/L	08/19/10	10:32	
RL ICP	Ti	10.07770	10.04742	10.10799	0.42499	ug/L	08/19/10	10:32	
RL ICP	Tl	23.10758	21.23707	24.97810	11.44779	ug/L	08/19/10	10:32	
RL ICP	V	10.36142	10.08756	10.63528	3.73788	ug/L	08/19/10	10:32	
RL ICP	Zn	20.69780	20.88319	20.51242	1.26668	ug/L	08/19/10	10:32	
RL ICP	2203/1	8.14303	5.24526	11.04080	50.32602	ug/L	08/19/10	10:32	
RL ICP	2203/2	8.48526	8.67603	8.29449	3.17948	ug/L	08/19/10	10:32	
RL ICP	1960/1	17.60333	20.09926	15.10741	20.05170	ug/L	08/19/10	10:32	
RL ICP	1960/2	21.42691	22.65500	20.19882	8.10560	ug/L	08/19/10	10:32	
RL ICP	Y	921.79321	923.31793	920.26843	0.23392		08/19/10	10:32	
ICSA61	Ag	0.63955	0.84384	0.43525	45.17464	ug/L	08/19/10	10:36	
ICSA61	Al	542908.56250	543141.50000	542675.62500	0.06067	ug/L	08/19/10	10:36	
ICSA61	2Al	542.92144	543.14587	542.69702	0.05845	mg/L	08/19/10	10:36	
ICSA61	As	1.83226	-0.88790	4.55243	209.95370	ug/L	08/19/10	10:36	
ICSA61	B	-15.26605	-15.33858	-15.19352	0.67189	ug/L	08/19/10	10:36	
ICSA61	Ba	0.79184	0.77727	0.80642	2.60299	ug/L	08/19/10	10:36	
ICSA61	Be	0.12452	0.11831	0.13074	7.05737	ug/L	08/19/10	10:36	
ICSA61	Ca	519326.37500	519322.34375	519330.37500	0.00109	ug/L	08/19/10	10:36	
ICSA61	Cd	2.27661	2.27112	2.28211	0.34122	ug/L	08/19/10	10:36	
ICSA61	Co	1.27160	0.95823	1.58497	34.85143	ug/L	08/19/10	10:36	
ICSA61	Cr	1.42838	1.13678	1.71998	28.87064	ug/L	08/19/10	10:36	
ICSA61	Cu	2.17528	1.90286	2.44771	17.71100	ug/L	08/19/10	10:36	
ICSA61	Fe	197667.34375	197641.18750	197693.50000	0.01871	ug/L	08/19/10	10:36	
ICSA61	2Fe	197.62948	197.59967	197.65930	0.02133	mg/L	08/19/10	10:36	
ICSA61	K	-4.15312	-7.01253	-1.29371	97.36808	ug/L	08/19/10	10:36	
ICSA61	Mg	561391.50000	561104.18750	561678.75000	0.07236	ug/L	08/19/10	10:36	
ICSA61	2Mg	561.16149	560.86578	561.45721	0.07452	mg/L	08/19/10	10:36	
ICSA61	Mn	-1.37519	-1.27833	-1.47205	9.96091	ug/L	08/19/10	10:36	
ICSA61	Mo	-1.70510	-0.52070	-2.88950	98.23423	ug/L	08/19/10	10:36	
ICSA61	Na	259.77142	397.20092	122.34193	74.81756	ug/L	08/19/10	10:36	
ICSA61	Ni	-0.03095	-0.62518	0.56327	2714.86718	ug/L	08/19/10	10:36	
ICSA61	Pb	-1.58734	-0.96056	-2.21412	55.84143	ug/L	08/19/10	10:36	
ICSA61	Se	0.20846	-0.12846	0.54538	228.57322	ug/L	08/19/10	10:36	
ICSA61	Sb	-4.37823	1.85782	-10.61428	201.43095	ug/L	08/19/10	10:36	
ICSA61	Sn	6.63365	3.86433	9.40297	59.03855	ug/L	08/19/10	10:36	
ICSA61	Sr	2.36008	2.35644	2.36373	0.21833	ug/L	08/19/10	10:36	
ICSA61	Ti	2.16391	2.22506	2.10277	3.99603	ug/L	08/19/10	10:36	
ICSA61	Tl	-8.95754	-12.48039	-5.43469	55.61867	ug/L	08/19/10	10:36	
ICSA61	V	-1.04896	-0.30425	-1.79368	100.40152	ug/L	08/19/10	10:36	
ICSA61	Zn	4.71352	4.29591	5.13113	12.52968	ug/L	08/19/10	10:36	
ICSA61	2203/1	-13.73591	-12.57229	-14.89953	11.98033	ug/L	08/19/10	10:36	
ICSA61	2203/2	4.47783	4.83658	4.11907	11.33050	ug/L	08/19/10	10:36	
ICSA61	1960/1	0.94115	2.83637	-0.95406	284.78338	ug/L	08/19/10	10:36	
ICSA61	1960/2	-0.15733	-1.60866	1.29399	1304.52246	ug/L	08/19/10	10:36	
ICSA61	Y	850.56188	850.42718	850.69659	0.02239		08/19/10	10:36	

0081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB61	Ag	214.25985	214.39744	214.12228	0.09080	ug/L	08/19/10	10:41	
ICSAB61	Al	533540.81250	532629.87500	534451.75000	0.24145	ug/L	08/19/10	10:41	
ICSAB61	2Al	533.55706	532.61889	534.49523	0.24866	mg/L	08/19/10	10:41	
ICSAB61	As	99.25337	98.99218	99.51456	0.37215	ug/L	08/19/10	10:41	
ICSAB61	B	-14.19313	-13.07995	-15.30631	11.09179	ug/L	08/19/10	10:41	
ICSAB61	Ba	515.94555	515.22064	516.67041	0.19869	ug/L	08/19/10	10:41	
ICSAB61	Be	506.08432	505.41256	506.75607	0.18771	ug/L	08/19/10	10:41	
ICSAB61	Ca	511767.50000	511264.53125	512270.50000	0.13899	ug/L	08/19/10	10:41	
ICSAB61	Cd	966.24243	964.40759	968.07720	0.26854	ug/L	08/19/10	10:41	
ICSAB61	Co	485.92199	485.70904	486.13494	0.06197	ug/L	08/19/10	10:41	
ICSAB61	Cr	491.05761	489.91073	492.20449	0.33029	ug/L	08/19/10	10:41	
ICSAB61	Cu	542.17132	541.39465	542.94799	0.20258	ug/L	08/19/10	10:41	
ICSAB61	Fe	194989.71875	194625.15625	195354.26562	0.26440	ug/L	08/19/10	10:41	
ICSAB61	2Fe	194.95336	194.57887	195.32786	0.27166	mg/L	08/19/10	10:41	
ICSAB61	K	-4.22887	0.92160	-9.37934	172.24136	ug/L	08/19/10	10:41	
ICSAB61	Mg	552719.56250	551906.56250	553532.56250	0.20801	ug/L	08/19/10	10:41	
ICSAB61	2Mg	552.49572	551.65490	553.33654	0.21522	mg/L	08/19/10	10:41	
ICSAB61	Mn	500.20373	499.48919	500.91824	0.20201	ug/L	08/19/10	10:41	
ICSAB61	Mo	1093.76513	1093.28588	1094.24450	0.06197	ug/L	08/19/10	10:41	
ICSAB61	Na	148.30026	263.99789	32.60264	110.33098	ug/L	08/19/10	10:41	
ICSAB61	Ni	955.51116	955.49053	955.53179	0.00305	ug/L	08/19/10	10:41	
ICSAB61	Pb	50.92413	52.18241	49.66585	3.49437	ug/L	08/19/10	10:41	
ICSAB61	Se	52.14402	49.76736	54.52068	6.44580	ug/L	08/19/10	10:41	
ICSAB61	Sb	627.93353	620.22180	635.64526	1.73681	ug/L	08/19/10	10:41	
ICSAB61	Sn	1158.70849	1161.25427	1156.16284	0.31070	ug/L	08/19/10	10:41	
ICSAB61	Sr	2.32967	2.36023	2.29911	1.85504	ug/L	08/19/10	10:41	
ICSAB61	Ti	2.31276	2.32538	2.30013	0.77209	ug/L	08/19/10	10:41	
ICSAB61	Tl	93.82717	92.12696	95.52738	2.56265	ug/L	08/19/10	10:41	
ICSAB61	V	521.66296	521.82464	521.50134	0.04382	ug/L	08/19/10	10:41	
ICSAB61	Zn	998.39215	996.63714	1000.14715	0.24859	ug/L	08/19/10	10:41	
ICSAB61	2203/1	39.51410	40.95998	38.06822	5.17482	ug/L	08/19/10	10:41	
ICSAB61	2203/2	56.62059	57.78521	55.45597	2.90887	ug/L	08/19/10	10:41	
ICSAB61	1960/1	53.31638	51.35015	55.28260	5.21540	ug/L	08/19/10	10:41	
ICSAB61	1960/2	51.55872	48.97716	54.14029	7.08102	ug/L	08/19/10	10:41	
ICSAB61	Y	854.28002	854.81390	853.74609	0.08838		08/19/10	10:41	
CCV	Ag	493.20812	493.71047	492.70574	0.14404	ug/L	08/19/10	10:47	
CCV	Al	4924.98437	4939.75585	4910.21337	0.42415	ug/L	08/19/10	10:47	
CCV	2Al	4.92527	4.94017	4.91038	0.42774	mg/L	08/19/10	10:47	
CCV	As	491.99914	488.72131	495.27697	0.94218	ug/L	08/19/10	10:47	
CCV	B	4894.63720	4889.66308	4899.61132	0.14371	ug/L	08/19/10	10:47	
CCV	Ba	4940.00732	4942.62890	4937.38574	0.07505	ug/L	08/19/10	10:47	
CCV	Be	495.18316	495.86526	494.50109	0.19479	ug/L	08/19/10	10:47	
CCV	Ca	5137.32910	5146.88769	5127.77001	0.26313	ug/L	08/19/10	10:47	
CCV	Cd	491.41531	492.88781	489.94281	0.42376	ug/L	08/19/10	10:47	
CCV	Co	499.59744	500.29959	498.89529	0.19875	ug/L	08/19/10	10:47	
CCV	Cr	4968.95458	4971.38818	4966.52099	0.06926	ug/L	08/19/10	10:47	
CCV	Cu	4917.34179	4919.27832	4915.40527	0.05569	ug/L	08/19/10	10:47	
CCV	Fe	4967.72167	4987.27490	4948.16796	0.55664	ug/L	08/19/10	10:47	
CCV	2Fe	4.96774	4.98729	4.94818	0.55659	mg/L	08/19/10	10:47	
CCV	K	10280.41796	10295.92480	10264.91210	0.21331	ug/L	08/19/10	10:47	
CCV	Mg	5187.28710	5201.60986	5172.96435	0.39048	ug/L	08/19/10	10:47	
CCV	2Mg	5.18725	5.20156	5.17293	0.39035	mg/L	08/19/10	10:47	
CCV	Mn	5024.49365	5030.20068	5018.78662	0.16063	ug/L	08/19/10	10:47	
CCV	Mo	489.84811	489.32894	490.36727	0.14988	ug/L	08/19/10	10:47	
CCV	Na	7474.98242	7424.53369	7525.43066	0.95444	ug/L	08/19/10	10:47	
CCV	Ni	2497.44873	2497.14208	2497.75512	0.01735	ug/L	08/19/10	10:47	
CCV	Pb	503.42248	502.90234	503.94259	0.14611	ug/L	08/19/10	10:47	
CCV	Se	4901.55322	4913.99365	4889.11279	0.35893	ug/L	08/19/10	10:47	
CCV	Sb	494.02478	492.98260	495.06692	0.29833	ug/L	08/19/10	10:47	
CCV	Sn	5132.47460	5133.66796	5131.28125	0.03288	ug/L	08/19/10	10:47	
CCV	Sr	2451.00585	2452.65917	2449.35229	0.09540	ug/L	08/19/10	10:47	
CCV	Ti	493.11956	493.51388	492.72528	0.11308	ug/L	08/19/10	10:47	
CCV	Tl	4953.62109	4976.53662	4930.70556	0.65421	ug/L	08/19/10	10:47	
CCV	V	5155.45117	5160.96044	5149.94238	0.15112	ug/L	08/19/10	10:47	
CCV	Zn	2540.50341	2542.04101	2538.96582	0.08559	ug/L	08/19/10	10:47	
CCV	2203/1	509.21728	510.19998	508.23458	0.27291	ug/L	08/19/10	10:47	
CCV	2203/2	500.52465	499.25424	501.79510	0.35895	ug/L	08/19/10	10:47	
CCV	1960/1	4993.84863	5007.07958	4980.61718	0.37469	ug/L	08/19/10	10:47	
CCV	1960/2	4855.47460	4867.52050	4843.42919	0.35084	ug/L	08/19/10	10:47	
CCV	Y	936.96386	934.83306	939.09472	0.32161		08/19/10	10:47	

D081810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.31757	0.37912	0.25602	27.40888	ug/L	08/19/10	10:52	
CCB	Al	-18.57895	-19.18169	-17.97621	4.58800	ug/L	08/19/10	10:52	
CCB	2Al	-0.01858	-0.01918	-0.01797	4.58801	mg/L	08/19/10	10:52	
CCB	As	1.32318	1.47084	1.17551	15.78234	ug/L	08/19/10	10:52	
CCB	B	13.14416	14.57998	11.70834	15.44837	ug/L	08/19/10	10:52	
CCB	Ba	0.07982	0.12009	0.03954	71.36187	ug/L	08/19/10	10:52	
CCB	Be	0.06718	0.05986	0.07450	15.41087	ug/L	08/19/10	10:52	
CCB	Ca	5.67719	6.71496	4.63941	25.85143	ug/L	08/19/10	10:52	
CCB	Cd	-0.27125	-0.30432	-0.23817	17.24467	ug/L	08/19/10	10:52	
CCB	Co	0.52638	1.22687	-0.17410	188.19728	ug/L	08/19/10	10:52	
CCB	Cr	0.12909	0.48433	-0.22615	389.17169	ug/L	08/19/10	10:52	
CCB	Cu	0.12124	-0.12628	0.36876	288.71990	ug/L	08/19/10	10:52	
CCB	Fe	-5.88634	-0.08809	-11.68460	139.30496	ug/L	08/19/10	10:52	
CCB	2Fe	-0.00588	-0.00008	-0.01168	139.31658	mg/L	08/19/10	10:52	
CCB	K	-1.06704	-6.35290	4.21882	700.56597	ug/L	08/19/10	10:52	
CCB	Mg	2.57912	5.16046	-0.00221	141.54304	ug/L	08/19/10	10:52	
CCB	2Mg	0.00257	0.00515	0.00000	141.43090	mg/L	08/19/10	10:52	
CCB	Mn	0.02156	0.06490	-0.02177	284.15783	ug/L	08/19/10	10:52	
CCB	Mo	0.25094	1.28556	-0.78367	583.06176	ug/L	08/19/10	10:52	
CCB	Na	65.82736	75.51575	56.13897	20.81421	ug/L	08/19/10	10:52	
CCB	Ni	0.03965	-0.07309	0.15241	402.06375	ug/L	08/19/10	10:52	
CCB	Pb	-1.64426	-2.51078	-0.77775	74.52804	ug/L	08/19/10	10:52	
CCB	Se	-2.00394	2.39521	-6.40311	310.45474	ug/L	08/19/10	10:52	
CCB	Sb	-1.59654	3.21923	-6.41231	426.58032	ug/L	08/19/10	10:52	
CCB	Sn	3.15484	1.76778	4.54189	62.17718	ug/L	08/19/10	10:52	
CCB	Sr	0.01937	0.00483	0.03391	106.13916	ug/L	08/19/10	10:52	
CCB	Ti	0.13811	0.15165	0.12457	13.86487	ug/L	08/19/10	10:52	
CCB	Tl	2.95598	6.71355	-0.80159	179.77142	ug/L	08/19/10	10:52	
CCB	V	0.40410	0.94811	-0.13991	190.38508	ug/L	08/19/10	10:52	
CCB	Zn	0.07081	0.07229	0.06933	2.95811	ug/L	08/19/10	10:52	
CCB	2203/1	0.03316	-0.15630	0.22264	807.85620	ug/L	08/19/10	10:52	
CCB	2203/2	-2.48173	-3.68626	-1.27719	68.64024	ug/L	08/19/10	10:52	
CCB	1960/1	-3.77512	-2.68754	-4.86271	40.74238	ug/L	08/19/10	10:52	
CCB	1960/2	-1.11968	4.93278	-7.17215	764.45281	ug/L	08/19/10	10:52	
CCB	Y	934.63586	932.54351	936.72821	0.31659		08/19/10	10:52	


File Utility Help
Protocol HGNORM
Dataset/Proto B082010C/HGNORM
Protocol
Line Info
Cal Curve
Report
Ctl Chart
Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 9.92957e-6
C 6.10126e-3
Rho .999571
Type
Calibrated
Accepted
Accept
Rel. Abs.
511074
Accepted
New
Include 56 Rep 1
Conc. 5.014
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 .1041 .1041 16627 1 16627
02 .20000 .1728 -.0272 23545 0% 23545
03 .40000 .3800 -.0200 44416 0% 44415
04 1.0000 .9302 -.0698 99927 0% 99826
05 2.0000 2.999 -.0008 308190 0% 308190
06 5.0000 5.014 .0137 511075 0% 511074
Ready
CAP NUM

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  2       13:08:04 20 Aug 10   HG

Hg    .0000   ppb      16627

*** Standard: 2 Rep: 1              Seq:  3       13:11:07 20 Aug 10   HG

Hg    .2000   ppb      23545

*** Standard: 3 Rep: 1              Seq:  4       13:14:02 20 Aug 10   HG

Hg    .4000   ppb      44415

*** Standard: 4 Rep: 1              Seq:  5       13:16:55 20 Aug 10   HG

Hg    1.000   ppb      99826

*** Standard: 5 Rep: 1              Seq:  6       13:20:05 20 Aug 10   HG

Hg    3.000   ppb      308190

*** Standard: 6 Rep: 1              Seq:  7       13:23:18 20 Aug 10   HG

Hg    5.000   ppb      511074

*** Check Standard: 3  Ck3ICV       Seq:  8       13:26:30 20 Aug 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          90.66    2.720   3.000  ppb         .0000 %

*** Check Standard: 4  Ck4ICB       Seq:  9       13:29:22 20 Aug 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -60.07   -.0601   .1000  ppb         .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  10      13:35:08 20 Aug 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          85.26    2.132   2.500  ppb         .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  11      13:38:13 20 Aug 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          87.73    2.193   2.500  ppb         .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  12      13:41:07 20 Aug 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -85.29   -.0853   .1000  ppb         .0000 %

*** Sample ID: 0.20 RL    B082010C   Seq:  13      13:44:08 20 Aug 10   HG

Hg    .1963   ppb       .0000 %   .1963

*** Sample ID: MB 177687  B082010C   Seq:  14      13:46:56 20 Aug 10   HG
                           7471 CE 177687
Hg    .0161   ppb       .0000 %   .0161

*** Sample ID: LCS 177687 B082010C   Seq:  15      13:49:54 20 Aug 10   HG
                           7471 CE 177687
Hg    2.323   ppb       .0000 %   2.323
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60379-6    B082010C   Seq:  16     13:52:45 20 Aug 10   HG
                           7471 CE 177687
Hg    .0963   ppb       .0000 %   .0963

*** Sample ID: 60379-6MS  B082010C   Seq:  17     13:55:34 20 Aug 10   HG
                           7471 CE 177687
Hg    1.068   ppb       .0000 %   1.068

*** Sample ID: 60379-6MSD B082010C   Seq:  18     13:58:32 20 Aug 10   HG
                           7471 CE 177687
Hg    1.055   ppb       .0000 %   1.055

*** Sample ID: 60379-11   B082010C   Seq:  19     14:01:45 20 Aug 10   HG
                           7471 CE 177687
Hg    .3829   ppb       .0000 %   .3829

*** Sample ID: 60379-16   B082010C   Seq:  20     14:04:56 20 Aug 10   HG
                           7471 CE 177687
Hg    .1981   ppb       .0000 %   .1981

*** Sample ID: 60379-21   B082010C   Seq:  21     14:07:47 20 Aug 10   HG
                           7471 CE 177687
Hg    .1805   ppb       .0000 %   .1805

*** Sample ID: 60379-26   B082010C   Seq:  22     14:10:40 20 Aug 10   HG
                           7471 CE 177687
Hg    1.388   ppb       .0000 %   1.388

*** Check Standard: 7  Ck7CCV       Seq:  23     14:13:32 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.7    2.542   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  24     14:16:31 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          10.37    .0104   .1000  ppb        .0000 %

*** Sample ID: 60379-31   B082010C   Seq:  25     14:19:31 20 Aug 10   HG
                           7471 CE 177687
Hg    .1684   ppb       .0000 %   .1684

*** Sample ID: 60379-36   B082010C   Seq:  26     14:22:31 20 Aug 10   HG
                           7471 CE 177687
Hg    .2319   ppb       .0000 %   .2319

*** Sample ID: 60379-41   B082010C   Seq:  27     14:25:30 20 Aug 10   HG
                           7471 CE 177687
Hg    .0383   ppb       .0000 %   .0383

*** Sample ID: 60379-45   B082010C   Seq:  28     14:28:18 20 Aug 10   HG
                           7471 CE 177687
Hg    .1397   ppb       .0000 %   .1397

*** Sample ID: 60489-5    B082010C   Seq:  29     14:31:17 20 Aug 10   HG
                           7471 CE 177687
Hg    .3264   ppb       .0000 %   .3264
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 29422-3    B082010C   Seq:  30     14:34:28 20 Aug 10   HG
                           7471 CE 177687
Hg    .0774   ppb       .0000 %   .0774

*** Sample ID: 29484-3    B082010C   Seq:  31     14:37:18 20 Aug 10   HG
                           7471 CE 177687
Hg    .1039   ppb       .0000 %   .1039

*** Sample ID: 29484-6    B082010C   Seq:  32     14:40:11 20 Aug 10   HG
                           7471 CE 177687
Hg    .2976   ppb       .0000 %   .2976

*** Sample ID: 29484-9    B082010C   Seq:  33     14:43:31 20 Aug 10   HG
                           7471 CE 177687
Hg    .1727   ppb       .0000 %   .1727

*** Sample ID: 29484-12   B082010C   Seq:  34     14:46:21 20 Aug 10   HG
                           7471 CE 177687
Hg    .0656   ppb       .0000 %   .0656

*** Check Standard: 7  Ck7CCV       Seq:  35     14:50:01 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.9    2.598   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  36     14:52:52 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          23.13    .0231   .1000  ppb        .0000 %

*** Sample ID: 29484-15   B082010C   Seq:  37     14:55:53 20 Aug 10   HG
                           7471 CE 177687
Hg    .6265   ppb       .0000 %   .6265

*** Sample ID: 29484-18   B082010C   Seq:  38     14:58:52 20 Aug 10   HG
                           7471 CE 177687
Hg    .5631   ppb       .0000 %   .5631

*** Sample ID: 29484-21   B082010C   Seq:  39     15:01:46 20 Aug 10   HG
                           7471 CE 177687
Hg    .1208   ppb       .0000 %   .1208

*** Sample ID: 29484-24   B082010C   Seq:  40     15:04:45 20 Aug 10   HG
                           7471 CE 177687
Hg    .2324   ppb       .0000 %   .2324

*** Sample ID: MB 177671  B082010C   Seq:  41     15:07:45 20 Aug 10   HG
                           7471 CE 177671
Hg    .1867   ppb       .0000 %   .1867

*** Sample ID: LCS 177671 B082010C   Seq:  42     15:10:36 20 Aug 10   HG
                           7471 CE 177671
Hg    2.865   ppb       .0000 %   2.865

*** Sample ID: 60144-1    B082010C   Seq:  43     15:13:26 20 Aug 10   HG
                           7471 CE 177671
Hg    .2787   ppb       .0000 %   .2787
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60144-1MS  B082010C   Seq:  44     15:16:18 20 Aug 10   HG
                          7471 CE 177671
Hg    1.191   ppb       .0000 %   1.191

*** Sample ID: 60144-1MSD B082010C   Seq:  45     15:19:07 20 Aug 10   HG
                          7471 CE 177671
Hg    1.160   ppb       .0000 %   1.160

*** Sample ID: 60144-2    B082010C   Seq:  46     15:21:56 20 Aug 10   HG
                          7471 CE 177671
Hg    .2494   ppb       .0000 %   .2494

*** Check Standard: 7  Ck7CCV       Seq:  47     15:24:52 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          104.0    2.599   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  48     15:27:45 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -14.65   -.0147   .1000  ppb        .0000 %

*** Sample ID: 60144-3    B082010C   Seq:  49     15:30:45 20 Aug 10   HG
                          7471 CE 177671
Hg    .3568   ppb       .0000 %   .3568

*** Sample ID: 60144-4    B082010C   Seq:  50     15:34:20 20 Aug 10   HG
                          7471 CE 177671
Hg    .1665   ppb       .0000 %   .1665

*** Sample ID: 60144-5    B082010C   Seq:  51     15:37:14 20 Aug 10   HG
                          7471 CE 177671
Hg    .2556   ppb       .0000 %   .2556

*** Sample ID: 60144-6    B082010C   Seq:  52     15:40:06 20 Aug 10   HG
                          7471 CE 177671
Hg    .1245   ppb       .0000 %   .1245

*** Sample ID: 60144-7    B082010C   Seq:  53     15:42:55 20 Aug 10   HG
                          7471 CE 177671
Hg    .2251   ppb       .0000 %   .2251

*** Sample ID: 60273-1    B082010C   Seq:  54     15:45:47 20 Aug 10   HG
                          7471 CE 177671
Hg    .0915   ppb       .0000 %   .0915

*** Sample ID: 60273-2    B082010C   Seq:  55     15:48:39 20 Aug 10   HG
                          7471 CE 177671
Hg    .0658   ppb       .0000 %   .0658

*** Sample ID: 60273-3    B082010C   Seq:  56     15:51:49 20 Aug 10   HG
                          7471 CE 177671
Hg    .1254   ppb       .0000 %   .1254
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60273-4                Seq:  57     15:55:20 20 Aug 10   HG
                            7471 CE 177671
Hg    .0804   ppb       .0000 %   .0804

*** Sample ID: 60273-5                Seq:  58     15:58:13 20 Aug 10   HG
                            7471 CE 177671
Hg    .1218   ppb       .0000 %   .1218

*** Check Standard: 7  Ck7CCV        Seq:  59     16:01:28 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          106.1    2.653   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  60     16:04:17 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -25.29   -.0253   .1000  ppb        .0000 %

*** Sample ID: 60273-6                Seq:  61     16:07:31 20 Aug 10   HG
                            7471 CE 177671
Hg    .0869   ppb       .0000 %   .0869

*** Sample ID: 60273-7                Seq:  62     16:10:32 20 Aug 10   HG
                            7471 CE 177671
Hg    .1742   ppb       .0000 %   .1742

*** Sample ID: 60300-7                Seq:  63     16:13:24 20 Aug 10   HG
                            7471 CE 177671
Hg   -.0007   ppb       .0000 %  -.0007

*** Sample ID: 60303-1                Seq:  64     16:16:39 20 Aug 10   HG
                            7471 CE 177671
Hg    10.55   ppb       .0000 %   10.55

*** Sample ID: 60470-1                Seq:  65     16:22:36 20 Aug 10   HG
                            7471 CE 177671
Hg    .6318   ppb       .0000 %   .6318

*** Sample ID: 60472-1                Seq:  66     16:25:37 20 Aug 10   HG
                            7471 CE 177671
Hg    3.958   ppb       .0000 %   3.958

*** Check Standard: 7  Ck7CCV        Seq:  67     16:30:22 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          98.45    2.461   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  68     16:35:08 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -4502.   -4.502   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV        Seq:  69     16:49:47 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          81.70    2.043   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  70     16:52:49 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          174.0    .1740   .1000  ppb        .0000 %
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 7  Ck7CCV       Seq:  71      17:00:28 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          84.10    2.103   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  72      17:03:38 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          144.0    .1440   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  73      17:13:22 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          82.86    2.072   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  74      17:16:26 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      H   222.5    .2225   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  75      17:21:47 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          97.33    2.433   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  76      17:24:37 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      H   205.5    .2055   .1000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  77      17:28:15 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          143.0    .1430   .1000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  78      17:31:05 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          123.4    .1234   .1000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  79      17:36:42 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          190.0    .1900   .1000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  80      17:52:40 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          167.1    .1671   .1000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  81      18:01:24 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          150.1    .1501   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  82      18:04:14 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          94.73    2.368   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  83      18:07:04 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -22.42   -.0224   .1000  ppb        .0000 %

*** Sample ID: MB 177432            Seq:  84      18:10:03 20 Aug 10   HG
                            7470 CE 177432
Hg    .0131   ppb       .0000 %   .0131
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: LCS 177432            Seq:  85     18:13:25 20 Aug 10   HG
                            7470 CE 177432
Hg    2.388   ppb       .0000 %   2.388

*** Sample ID: 29422-2               Seq:  86     18:16:58 20 Aug 10   HG
                            7470 CE 177432
Hg    .0507   ppb       .0000 %   .0507

*** Sample ID: 29422-4               Seq:  87     18:20:11 20 Aug 10   HG
                            7470 CE 177432
Hg    .0556   ppb       .0000 %   .0556

*** Sample ID: 29422-6               Seq:  88     18:23:00 20 Aug 10   HG
                            7470 CE 177432
Hg   -.0050   ppb       .0000 %  -.0050

*** Sample ID: 29422-8               Seq:  89     18:25:49 20 Aug 10   HG
                            7470 CE 177432
Hg   -.0128   ppb       .0000 %  -.0128

*** Sample ID: 29422-9               Seq:  90     18:28:44 20 Aug 10   HG
                            7470 CE 177432
Hg    .0178   ppb       .0000 %   .0178

*** Sample ID: 29422-11              Seq:  91     18:31:38 20 Aug 10   HG
                            7470 CE 177432
Hg    .0200   ppb       .0000 %   .0200

*** Sample ID: 29422-12              Seq:  92     18:34:32 20 Aug 10   HG
                            7470 CE 177432
Hg    .0720   ppb       .0000 %   .0720

*** Sample ID: 29422-14              Seq:  93     18:37:35 20 Aug 10   HG
                            7470 CE 177432
Hg    .1956   ppb       .0000 %   .1956

*** Check Standard: 7  Ck7CCV        Seq:  94     18:40:26 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          95.92    2.398   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  95     18:43:35 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          54.97    .0550   .1000  ppb        .0000 %

*** Sample ID: 29422-16              Seq:  96     18:46:55 20 Aug 10   HG
                            7470 CE 177432
Hg    .0475   ppb       .0000 %   .0475

*** Sample ID: 29422-17              Seq:  97     18:49:59 20 Aug 10   HG
                            7470 CE 177432
Hg    .0131   ppb       .0000 %   .0131

*** Sample ID: 60291-1               Seq:  98     18:52:52 20 Aug 10   HG
                            7470 CE 177432
Hg   -.0058   ppb       .0000 %  -.0058
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60291-2                Seq:  99     18:56:01 20 Aug 10   HG
                            7470 CE 177432
Hg    .0702   ppb       .0000 %   .0702

*** Sample ID: 60293-1                Seq:  100    18:59:26 20 Aug 10   HG
                            7470 CE 177432
Hg    .0272   ppb       .0000 %   .0272

*** Sample ID: 60293-2                Seq:  101    19:02:47 20 Aug 10   HG
                            7470 CE 177432
Hg    .0295   ppb       .0000 %   .0295

*** Sample ID: 60293-3                Seq:  102    19:05:42 20 Aug 10   HG
                            7470 CE 177432
Hg    .3241   ppb       .0000 %   .3241

*** Sample ID: 60293-4                Seq:  103    19:08:41 20 Aug 10   HG
                            7470 CE 177432
Hg   -.0022   ppb       .0000 %  -.0022

*** Sample ID: 60293-5                Seq:  104    19:11:30 20 Aug 10   HG
                            7470 CE 177432
Hg    .0704   ppb       .0000 %   .0704

*** Sample ID: 60293-6                Seq:  105    19:14:20 20 Aug 10   HG
                            7470 CE 177432
Hg    .3774   ppb       .0000 %   .3774

*** Check Standard: 7  Ck7CCV         Seq:  106    19:17:13 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          96.63    2.416   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  107    19:20:04 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          95.28    .0953   .1000  ppb        .0000 %

*** Sample ID: 60398-2                Seq:  108    19:23:16 20 Aug 10   HG
                            7470 CE 177432
Hg    .3452   ppb       .0000 %   .3452

*** Sample ID: 60398-2MS              Seq:  109    19:26:21 20 Aug 10   HG
                            7470 CE 177432
Hg    .9882   ppb       .0000 %   .9882

*** Sample ID: 60398-2MSD             Seq:  110    19:29:23 20 Aug 10   HG
                            7470 CE 177432
Hg    .8004   ppb       .0000 %   .8004

*** Sample ID: 59244-9                Seq:  111    19:32:13 20 Aug 10   HG
                            7470 CE 177432
Hg    .1728   ppb       .0000 %   .1728

*** Sample ID: 59244-9                Seq:  112    19:35:17 20 Aug 10   HG
                            7470 CE 177432
Hg    .1383   ppb       .0000 %   .1383
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 59244-10              Seq:  113    19:38:10 20 Aug 10   HG
                            7470 CE 177432
Hg    .0912   ppb       .0000 %   .0912

*** Sample ID: 59244-10              Seq:  114    19:41:22 20 Aug 10   HG
                            7470 CE 177432
Hg    .0348   ppb       .0000 %   .0348

*** Sample ID: MB 177593             Seq:  115    19:44:35 20 Aug 10   HG
                            7471 CE 177593
Hg    .1641   ppb       .0000 %   .1641

*** Sample ID: LCS 177593            Seq:  116    19:47:24 20 Aug 10   HG
                            7471 CE 177593
Hg    2.444   ppb       .0000 %   2.444

*** Sample ID: 59038-97              Seq:  117    19:50:25 20 Aug 10   HG
                            7471 CE 177593
Hg    2.471   ppb       .0000 %   2.471

*** Check Standard: 7  Ck7CCV        Seq:  118    19:53:38 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          97.79    2.445   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  119    19:56:42 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          25.72    .0257   .1000  ppb        .0000 %

*** Sample ID: 59038-98              Seq:  120    19:59:51 20 Aug 10   HG
                            7471 CE 177593
Hg    2.428   ppb       .0000 %   2.428

*** Sample ID: 59038-99              Seq:  121    20:02:41 20 Aug 10   HG
                            7471 CE 177593
Hg    2.523   ppb       .0000 %   2.523

*** Sample ID: 59038-100             Seq:  122    20:05:31 20 Aug 10   HG
                            7471 CE 177593
Hg    2.427   ppb       .0000 %   2.427

*** Sample ID: 59245-7               Seq:  123    20:08:42 20 Aug 10   HG
                            7471 CE 177593
Hg    .3024   ppb       .0000 %   .3024

*** Sample ID: 59245-8               Seq:  124    20:12:12 20 Aug 10   HG
                            7471 CE 177593
Hg    .2051   ppb       .0000 %   .2051

*** Sample ID: 59245-7               Seq:  125    20:15:02 20 Aug 10   HG
                            7471 CE 177593
Hg    .2909   ppb       .0000 %   .2909

*** Sample ID: 59245-8               Seq:  126    20:17:56 20 Aug 10   HG
                            7471 CE 177593
Hg    .2775   ppb       .0000 %   .2775
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 29422-5                Seq:  127    20:20:59 20 Aug 10   HG
                            7471 CE 177593
Hg    .2670   ppb       .0000 %   .2670

*** Sample ID: 29422-7                Seq:  128    20:23:52 20 Aug 10   HG
                            7471 CE 177593
Hg    .2045   ppb       .0000 %   .2045

*** Sample ID: 29422-10               Seq:  129    20:27:02 20 Aug 10   HG
                            7471 CE 177593
Hg    .4094   ppb       .0000 %   .4094

*** Check Standard: 7  Ck7CCV         Seq:  130    20:29:54 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          96.56    2.414   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  131    20:32:45 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          90.36    .0904   .1000  ppb        .0000 %

*** Sample ID: 29422-13               Seq:  132    20:35:58 20 Aug 10   HG
                            7471 CE 177593
Hg    4.268   ppb       .0000 %   4.268

*** Sample ID: 29422-15               Seq:  133    20:38:48 20 Aug 10   HG
                            7471 CE 177593
Hg    .2256   ppb       .0000 %   .2256

*** Sample ID: 29422-18               Seq:  134    20:41:52 20 Aug 10   HG
                            7471 CE 177593
Hg    .3801   ppb       .0000 %   .3801

*** Sample ID: 29422-18MS             Seq:  135    20:45:02 20 Aug 10   HG
                            7471 CE 177593
Hg    1.500   ppb       .0000 %   1.500

*** Sample ID: 29422-18SD             Seq:  136    20:47:52 20 Aug 10   HG
                            7471 CE 177593
Hg    1.383   ppb       .0000 %   1.383

*** Sample ID: MB 177454              Seq:  137    20:51:11 20 Aug 10   HG
                            7470 CE 177454
Hg    .0140   ppb       .0000 %   .0140

*** Sample ID: LCS 177454             Seq:  138    20:54:01 20 Aug 10   HG
                            7470 CE 177454
Hg    2.437   ppb       .0000 %   2.437

*** Sample ID: 60321-1                Seq:  139    20:57:03 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0038   ppb       .0000 %  -.0038

*** Sample ID: 60321-2                Seq:  140    20:59:55 20 Aug 10   HG
                            7470 CE 177454
Hg    .0079   ppb       .0000 %   .0079
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60340-1                Seq:  141    21:03:00 20 Aug 10   HG
                            7470 CE 177454
Hg    .0671   ppb       .0000 %   .0671

*** Check Standard: 7  Ck7CCV        Seq:  142    21:06:01 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          97.21    2.430   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  143    21:08:50 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          96.28    .0963   .1000  ppb        .0000 %

*** Sample ID: 60340-1MS             Seq:  144    21:11:40 20 Aug 10   HG
                            7470 CE 177454
Hg    1.039   ppb       .0000 %   1.039

*** Sample ID: 60340-1MSD            Seq:  145    21:14:33 20 Aug 10   HG
                            7470 CE 177454
Hg    .9395   ppb       .0000 %   .9395

*** Sample ID: 60340-2               Seq:  146    21:17:22 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0065   ppb       .0000 %  -.0065

*** Sample ID: 60340-3               Seq:  147    21:20:28 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0092   ppb       .0000 %  -.0092

*** Sample ID: 60340-4               Seq:  148    21:23:21 20 Aug 10   HG
                            7470 CE 177454
Hg    .0058   ppb       .0000 %   .0058

*** Sample ID: 60340-5               Seq:  149    21:26:37 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0048   ppb       .0000 %  -.0048

*** Sample ID: 60340-6               Seq:  150    21:29:33 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0056   ppb       .0000 %  -.0056

*** Sample ID: 60340-7               Seq:  151    21:32:35 20 Aug 10   HG
                            7470 CE 177454
Hg    .0467   ppb       .0000 %   .0467

*** Sample ID: 60382-1               Seq:  152    21:35:26 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0120   ppb       .0000 %  -.0120

*** Sample ID: 60382-2               Seq:  153    21:38:48 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0048   ppb       .0000 %  -.0048

*** Check Standard: 7  Ck7CCV        Seq:  154    21:42:03 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.3    2.509   2.500  ppb        .0000 %
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 6  Ck6CCB       Seq:  155     21:44:54 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          107.4    .1074   .1000  ppb        .0000 %

*** Sample ID: 60382-2MS            Seq:  156    21:47:43 20 Aug 10   HG
                            7470 CE 177454
Hg    .9841   ppb       .0000 %   .9841

*** Sample ID: 60382-2MSD           Seq:  157    21:50:44 20 Aug 10   HG
                            7470 CE 177454
Hg    .9277   ppb       .0000 %   .9277

*** Sample ID: 60415-1              Seq:  158    21:54:04 20 Aug 10   HG
                            7470 CE 177454
Hg    .0143   ppb       .0000 %   .0143

*** Sample ID: 60415-2              Seq:  159    21:57:11 20 Aug 10   HG
                            7470 CE 177454
Hg    .0393   ppb       .0000 %   .0393

*** Sample ID: 60415-3              Seq:  160    22:00:03 20 Aug 10   HG
                            7470 CE 177454
Hg    .0279   ppb       .0000 %   .0279

*** Sample ID: 60415-4              Seq:  161    22:02:58 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0017   ppb       .0000 %  -.0017

*** Sample ID: 60415-6              Seq:  162    22:05:49 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0013   ppb       .0000 %  -.0013

*** Sample ID: 60415-7              Seq:  163    22:09:20 20 Aug 10   HG
                            7470 CE 177454
Hg    .0659   ppb       .0000 %   .0659

*** Sample ID: 60415-8              Seq:  164    22:12:13 20 Aug 10   HG
                            7470 CE 177454
Hg    .0124   ppb       .0000 %   .0124

*** Sample ID: 60415-9              Seq:  165    22:15:08 20 Aug 10   HG
                            7470 CE 177454
Hg   -.0172   ppb       .0000 %  -.0172

*** Check Standard: 7  Ck7CCV       Seq:  166    22:18:19 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.19    2.480   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  167    22:21:35 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          119.2    .1192   .1000  ppb        .0000 %

*** Sample ID: 60415-11             Seq:  168    22:24:26 20 Aug 10   HG
                            7470 CE 177454
Hg    .0270   ppb       .0000 %   .0270
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: MB 177442              Seq:  169    22:27:17 20 Aug 10   HG
                            7470 CE 177442
Hg    .0367   ppb       .0000 %   .0367

*** Sample ID: LCS 177442             Seq:  170    22:30:08 20 Aug 10   HG
                            7470 CE 177442
Hg    2.347   ppb       .0000 %   2.347

*** Sample ID: 36693-1                Seq:  171    22:33:09 20 Aug 10   HG
                            7470 CE 177442
Hg    .0366   ppb       .0000 %   .0366

*** Sample ID: 36693-2                Seq:  172    22:36:33 20 Aug 10   HG
                            7470 CE 177442
Hg    .0731   ppb       .0000 %   .0731

*** Sample ID: 36693-3                Seq:  173    22:39:25 20 Aug 10   HG
                            7470 CE 177442
Hg    .0745   ppb       .0000 %   .0745

*** Sample ID: 36693-4                Seq:  174    22:42:59 20 Aug 10   HG
                            7470 CE 177442
Hg    .0153   ppb       .0000 %   .0153

*** Sample ID: 36693-5                Seq:  175    22:46:35 20 Aug 10   HG
                            7470 CE 177442
Hg    .4185   ppb       .0000 %   .4185

*** Sample ID: 36693-6                Seq:  176    22:49:36 20 Aug 10   HG
                            7470 CE 177442
Hg   -.0085   ppb       .0000 %  -.0085

*** Sample ID: 60338-1                Seq:  177    22:52:59 20 Aug 10   HG
                            7470 CE 177442
Hg    .2082   ppb       .0000 %   .2082

*** Check Standard: 7  Ck7CCV         Seq:  178    22:55:55 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          95.81    2.395   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  179    22:58:46 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.36    .0994   .1000  ppb        .0000 %

*** Sample ID: 60338-2                Seq:  180    23:01:41 20 Aug 10   HG
                            7470 CE 177442
Hg    .0427   ppb       .0000 %   .0427

*** Sample ID: 60338-3                Seq:  181    23:04:52 20 Aug 10   HG
                            7470 CE 177442
Hg    .0047   ppb       .0000 %   .0047

*** Sample ID: 60338-4                Seq:  182    23:07:44 20 Aug 10   HG
                            7470 CE 177442
Hg    .0438   ppb       .0000 %   .0438
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60338-5                Seq:  183    23:10:47 20 Aug 10   HG
                            7470 CE 177442
Hg    .0282   ppb       .0000 %   .0282

*** Sample ID: 60338-6                Seq:  184    23:13:43 20 Aug 10   HG
                            7470 CE 177442
Hg    .0633   ppb       .0000 %   .0633

*** Sample ID: 60338-7                Seq:  185    23:16:35 20 Aug 10   HG
                            7470 CE 177442
Hg    .4312   ppb       .0000 %   .4312

*** Sample ID: 60338-7MS              Seq:  186    23:19:58 20 Aug 10   HG
                            7470 CE 177442
Hg    1.419   ppb       .0000 %   1.419

*** Sample ID: 60338-7MSD             Seq:  187    23:23:01 20 Aug 10   HG
                            7470 CE 177442
Hg    1.759   ppb       .0000 %   1.759

*** Check Standard: 7  Ck7CCV        Seq:  188     23:26:05 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.5    2.587   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  189     23:29:25 20 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          135.4    .1354   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV        Seq:  190     09:10:14 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          86.90    2.172   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  191     09:14:05 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -47.39   -.0474   .1000  ppb        .0000 %

*** Sample ID: 60340-1                Seq:  192    09:16:54 21 Aug 10   HG
                            7470 CE 177454
Hg    .1097   ppb       .0000 %   .1097

*** Sample ID: 60340-1MS              Seq:  193    09:19:45 21 Aug 10   HG
                            7470 CE 177454
Hg    .9598   ppb       .0000 %   .9598

*** Sample ID: 60340-1MSD             Seq:  194    09:22:35 21 Aug 10   HG
                            7470 CE 177454
Hg    .8647   ppb       .0000 %   .8647

*** Sample ID: 60340-2                Seq:  195    09:25:47 21 Aug 10   HG
                            7470 CE 177454
Hg   -.1070   ppb       .0000 %  -.1070

*** Sample ID: 60340-3                Seq:  196    09:28:36 21 Aug 10   HG
                            7470 CE 177454
Hg    .0657   ppb       .0000 %   .0657
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60340-4                Seq:  197    09:31:37 21 Aug 10   HG
                            7470 CE 177454
Hg    .0388   ppb       .0000 %   .0388

*** Sample ID: 60340-5                Seq:  198    09:34:26 21 Aug 10   HG
                            7470 CE 177454
Hg   -.0120   ppb       .0000 %  -.0120

*** Sample ID: 60340-6                Seq:  199    09:37:14 21 Aug 10   HG
                            7470 CE 177454
Hg    .0545   ppb       .0000 %   .0545

*** Sample ID: 60340-7                Seq:  200    09:40:03 21 Aug 10   HG
                            7470 CE 177454
Hg    .1117   ppb       .0000 %   .1117

*** Sample ID: 60382-1                Seq:  201    09:43:03 21 Aug 10   HG
                            7470 CE 177454
Hg    .0273   ppb       .0000 %   .0273

*** Check Standard: 7  Ck7CCV        Seq:  202    09:45:56 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          91.63    2.291   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  203    09:48:48 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -30.04   -.0300   .1000  ppb        .0000 %

*** Sample ID: 60382-2                Seq:  204    09:51:38 21 Aug 10   HG
                            7470 CE 177454
Hg    .0137   ppb       .0000 %   .0137

*** Sample ID: 60382-2MS              Seq:  205    09:54:37 21 Aug 10   HG
                            7470 CE 177454
Hg    .9244   ppb       .0000 %   .9244

*** Sample ID: 60382-2MSD             Seq:  206    09:57:27 21 Aug 10   HG
                            7470 CE 177454
Hg    .7869   ppb       .0000 %   .7869

*** Sample ID: 60415-1                Seq:  207    10:00:42 21 Aug 10   HG
                            7470 CE 177454
Hg    .0715   ppb       .0000 %   .0715
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60415-2                Seq:  208    10:03:35 21 Aug 10   HG
                            7470 CE 177454
Hg    .0120   ppb       .0000 %   .0120

*** Sample ID: 60415-3                Seq:  209    10:06:36 21 Aug 10   HG
                            7470 CE 177454
Hg    .0594   ppb       .0000 %   .0594

*** Sample ID: 60415-4                Seq:  210    10:09:27 21 Aug 10   HG
                            7470 CE 177454
Hg    .0758   ppb       .0000 %   .0758

*** Sample ID: 60415-6                Seq:  211    10:12:17 21 Aug 10   HG
                            7470 CE 177454
Hg    .0500   ppb       .0000 %   .0500

*** Sample ID: 60415-7                Seq:  212    10:15:17 21 Aug 10   HG
                            7470 CE 177454
Hg    .0366   ppb       .0000 %   .0366

*** Sample ID: 60415-8                Seq:  213    10:18:47 21 Aug 10   HG
                            7470 CE 177454
Hg    .0273   ppb       .0000 %   .0273

*** Check Standard: 7  Ck7CCV         Seq:  214    10:22:11 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          95.86    2.397   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  215    10:25:01 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -41.65   -.0417   .1000  ppb        .0000 %

*** Sample ID: 60415-9                Seq:  216    10:28:50 21 Aug 10   HG
                            7470 CE 177454
Hg    .0047   ppb       .0000 %   .0047

*** Sample ID: 60415-11               Seq:  217    10:31:40 21 Aug 10   HG
                            7470 CE 177454
Hg   -.0009   ppb       .0000 %  -.0009

*** Sample ID: MB 177442              Seq:  218    10:34:35 21 Aug 10   HG
                            7470 CE 177442
Hg    .0667   ppb       .0000 %   .0667

*** Sample ID: LCS 177442             Seq:  219    10:37:26 21 Aug 10   HG
                            7470 CE 177442
Hg    2.317   ppb       .0000 %   2.317

*** Sample ID: 36693-1                Seq:  220    10:40:18 21 Aug 10   HG
                            7470 CE 177442
Hg    .0393   ppb       .0000 %   .0393

*** Sample ID: 36693-2                Seq:  221    10:43:09 21 Aug 10   HG
                            7470 CE 177442
Hg    .0646   ppb       .0000 %   .0646
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 36693-3                Seq:  222    10:46:14 21 Aug 10   HG
                            7470 CE 177442
Hg    .1210   ppb       .0000 %   .1210

*** Sample ID: 36693-4                Seq:  223    10:49:35 21 Aug 10   HG
                            7470 CE 177442
Hg    .0792   ppb       .0000 %   .0792

*** Sample ID: 36693-5                Seq:  224    10:52:28 21 Aug 10   HG
                            7470 CE 177442
Hg    .4411   ppb       .0000 %   .4411

*** Sample ID: 36693-6                Seq:  225    10:55:28 21 Aug 10   HG
                            7470 CE 177442
Hg    .0065   ppb       .0000 %   .0065

*** Check Standard: 7  Ck7CCV         Seq:  226    10:58:48 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          94.40    2.360   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  227    11:01:48 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -58.47   -.0585   .1000  ppb        .0000 %

*** Sample ID: 60338-1                Seq:  228    11:04:41 21 Aug 10   HG
                            7470 CE 177442
Hg    .2221   ppb       .0000 %   .2221

*** Sample ID: 60338-2                Seq:  229    11:08:20 21 Aug 10   HG
                            7470 CE 177442
Hg    .0551   ppb       .0000 %   .0551

*** Sample ID: 60338-3                Seq:  230    11:11:10 21 Aug 10   HG
                            7470 CE 177442
Hg    .0296   ppb       .0000 %   .0296

*** Sample ID: 60338-4                Seq:  231    11:14:00 21 Aug 10   HG
                            7470 CE 177442
Hg    .0536   ppb       .0000 %   .0536

*** Sample ID: 60338-5                Seq:  232    11:16:50 21 Aug 10   HG
                            7470 CE 177442
Hg    .0864   ppb       .0000 %   .0864

*** Sample ID: 60338-6                Seq:  233    11:19:44 21 Aug 10   HG
                            7470 CE 177442
Hg    .0365   ppb       .0000 %   .0365

*** Sample ID: 60338-7                Seq:  234    11:23:08 21 Aug 10   HG
                            7470 CE 177442
Hg    .4273   ppb       .0000 %   .4273

*** Sample ID: 60338-7MS              Seq:  235    11:26:40 21 Aug 10   HG
                            7470 CE 177442
Hg    1.429   ppb       .0000 %   1.429
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: MB 177593              Seq:  250    12:17:06 21 Aug 10   HG
                            7471 CE 177593
Hg    .1485   ppb       .0000 %   .1485

*** Sample ID: 60473-6                Seq:  251    12:19:55 21 Aug 10   HG
                            7471 CE 177671
Hg    .0385   ppb       .0000 %   .0385

*** Sample ID: 60473-7                Seq:  252    12:22:48 21 Aug 10   HG
                            7471 CE 177671
Hg    .0585   ppb       .0000 %   .0585

*** Sample ID: 60300-7                Seq:  253    12:25:39 21 Aug 10   HG
                            7471 CE 177671
Hg   -.2857   ppb       .0000 %  -.2857

*** Sample ID: 60303-1X10             Seq:  254    12:28:34 21 Aug 10   HG
                            7471 CE 177671X10
Hg    1.405   ppb       .0000 %   1.405

*** Sample ID: 60470-1                Seq:  255    12:31:22 21 Aug 10   HG
                            7471 CE 177671
Hg   -.0083   ppb       .0000 %  -.0083

*** Sample ID: 60472-1                Seq:  256    12:34:31 21 Aug 10   HG
                            7471 CE 177671
Hg   -.4983   ppb       .0000 %  -.4983

*** Sample ID: LB 177109              Seq:  257    12:37:20 21 Aug 10   HG
                            7470_L CE 177467
Hg   -1.364   ppb       .0000 %  -1.364

*** Sample ID: LB 177205              Seq:  258    12:40:19 21 Aug 10   HG
                            7470_L CE 177467
Hg    .2401   ppb       .0000 %   .2401

*** Check Standard: 7  Ck7CCV         Seq:  259    12:43:11 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.4    2.509   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  260    12:46:52 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          115.2    .1152   .1000  ppb        .0000 %

*** Sample ID: LCS 177467             Seq:  261    12:49:43 21 Aug 10   HG
                            7470_L CE 177467
Hg    1.616   ppb       .0000 %   1.616

*** Sample ID: 60235-1                Seq:  262    12:52:53 21 Aug 10   HG
                            7470_L CE 177467
Hg    1.396   ppb       .0000 %   1.396

*** Sample ID: 60235-2                Seq:  263    12:55:53 21 Aug 10   HG
                            7470_L CE 177467
Hg    .7131   ppb       .0000 %   .7131
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60473-6                Seq:  278    13:54:00 21 Aug 10   HG
                            7471 CE 177671
Hg    .0881   ppb       .0000 %   .0881

*** Sample ID: 60473-7                Seq:  279    13:57:19 21 Aug 10   HG
                            7471 CE 177671
Hg    .1623   ppb       .0000 %   .1623

*** Sample ID: 60300-7                Seq:  280    14:00:19 21 Aug 10   HG
                            7471 CE 177671
Hg   -.0044   ppb       .0000 %  -.0044

*** Sample ID: 60303-1X5              Seq:  281    14:03:10 21 Aug 10   HG
                            7471 CE 177671X5
Hg    1.529   ppb       .0000 %   1.529

*** Sample ID: 60470-1                Seq:  282    14:06:08 21 Aug 10   HG
                            7471 CE 177671
Hg    .2482   ppb       .0000 %   .2482

*** Sample ID: 60472-1                Seq:  283    14:09:29 21 Aug 10   HG
                            7471 CE 177671
Hg    .3321   ppb       .0000 %   .3321

*** Check Standard: 7  Ck7CCV        Seq:  284    14:12:42 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.4    2.534   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  285    14:15:34 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          46.70    .0467   .1000  ppb        .0000 %

*** Sample ID: LB 177109              Seq:  286    14:18:28 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0473   ppb       .0000 %  -.0473

*** Sample ID: LB 177205              Seq:  287    14:21:27 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0161   ppb       .0000 %  -.0161

*** Sample ID: LCS 177467             Seq:  288    14:25:03 21 Aug 10   HG
                            7470_L CE 177467
Hg    1.698   ppb       .0000 %   1.698

*** Sample ID: 60235-1                Seq:  289    14:27:55 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0070   ppb       .0000 %  -.0070

*** Sample ID: 60235-2                Seq:  290    14:30:58 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0071   ppb       .0000 %  -.0071

*** Sample ID: 60235-2MS              Seq:  291    14:34:17 21 Aug 10   HG
                            7470_L CE 177467
Hg    .8145   ppb       .0000 %   .8145
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60286-4                Seq:  306    15:19:26 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0147   ppb        .0000 %  -.0147

*** Sample ID: 60184-9                Seq:  307    15:22:27 21 Aug 10   HG
                            7470_L CE 177467
Hg    .0352   ppb        .0000 %   .0352

*** Check Standard: 7  Ck7CCV        Seq:  308     15:25:27 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.3    2.531   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  309     15:28:17 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          67.39    .0674   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV        Seq:  310     15:43:52 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          98.53    2.463   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  311     15:47:04 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          119.5    .1195   .1000  ppb        .0000 %

*** Sample ID: LCS 177467             Seq:  312    15:50:34 21 Aug 10   HG
                            7470_L CE 177467
Hg    1.946   ppb        .0000 %   1.946

*** Check Standard: 7  Ck7CCV        Seq:  313     15:54:05 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.4    2.510   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  314     15:56:56 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.7    .1007   .1000  ppb        .0000 %
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 60235-2MSD            Seq:  292    14:37:32 21 Aug 10   HG
                            7470_L CE 177467
Hg    .7796   ppb       .0000 %   .7796

*** Sample ID: 60259-1               Seq:  293    14:40:56 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0476   ppb       .0000 %  -.0476

*** Sample ID: 60259-2               Seq:  294    14:43:55 21 Aug 10   HG
                            7470_L CE 177467
Hg    .0148   ppb       .0000 %   .0148

*** Sample ID: 60259-3               Seq:  295    14:46:50 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0394   ppb       .0000 %  -.0394

*** Check Standard: 7  Ck7CCV       Seq:  296    14:49:53 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          104.5    2.613   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  297    14:52:55 21 Aug 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          91.72    .0917   .1000  ppb        .0000 %

*** Sample ID: 60259-4               Seq:  298    14:55:47 21 Aug 10   HG
                            7470_L CE 177467
Hg    .0451   ppb       .0000 %   .0451

*** Sample ID: 60259-5               Seq:  299    14:58:40 21 Aug 10   HG
                            7470_L CE 177467
Hg    .0026   ppb       .0000 %   .0026

*** Sample ID: 60259-6               Seq:  300    15:01:34 21 Aug 10   HG
                            7470_L CE 177467
Hg    .0080   ppb       .0000 %   .0080

*** Sample ID: 60259-7               Seq:  301    15:04:54 21 Aug 10   HG
                            7470_L CE 177467
Hg    .0211   ppb       .0000 %   .0211

*** Sample ID: 60259-8               Seq:  302    15:07:43 21 Aug 10   HG
                            7470_L CE 177467
Hg    .0122   ppb       .0000 %   .0122

*** Sample ID: 60263-1               Seq:  303    15:10:32 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0464   ppb       .0000 %  -.0464

*** Sample ID: 60286-1               Seq:  304    15:13:31 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0277   ppb       .0000 %  -.0277

*** Sample ID: 60286-2               Seq:  305    15:16:35 21 Aug 10   HG
                            7470_L CE 177467
Hg   -.0108   ppb       .0000 %  -.0108
```

Metals Worksheet

Batch Number: 680-177400
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Aug 17 2010 10:21AM
Batch End: Aug 17 2010 4:40PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	P_Spike1_00051	P_SPIKEII_00023	P_TEFLONCH_00005
680-60283-A-1			T	1.03 g	100 mL			
680-60283-A-2			T	1.04 g	100 mL			
680-60283-A-3			T	1.03 g	100 mL			
680-60283-A-4			T	1.01 g	100 mL			
680-60283-A-5			T	1.10 g	100 mL			
680-60283-A-6			T	1.07 g	100 mL			
680-60283-A-7			T	1.05 g	100 mL			
680-60283-A-8			T	1.11 g	100 mL			
680-60283-A-9			T	1.02 g	100 mL			
680-60283-A-10			T	1.02 g	100 mL			
680-60273-A-1	67495-1 FDS4-1	3050B, 6010B	T	1.09 g	100 mL			
680-60273-A-2	67495-2 FDS4-2	3050B, 6010B	T	1.08 g	100 mL			
680-60273-A-3	67495-3 FDS4-3	3050B, 6010B	T	1.00 g	100 mL			
680-60273-A-4	67495-4 FDS4-4	3050B, 6010B	T	1.05 g	100 mL			
680-60273-A-5	67495-5 FDS-4-3-D	3050B, 6010B	T	1.03 g	100 mL			
680-60273-A-6			T	1.10 g	100 mL			
680-60273-A-7		3050B, 6010B	T	1.07 g	100 mL			
680-60273-A-7~MS		3050B, 6010B	T	1.07 g	100 mL	1.0 mL	1.0 mL	
680-60273-A-7~MS D		3050B, 6010B	T	1.07 g	100 mL	1.0 mL	1.0 mL	
MB~680-177400/20		3050B, 6010B		1.00 g	100 mL			1.00 g
LCS~680-177400/21		3050B, 6010B		1.00 g	100 mL	1.0 mL	1.0 mL	1.00 g

Nominal Amount Used:	1.0 g	Analyst:	HM
Digestion Tube/Cup Lot #:	1001711	First Start time:	N/A
Blank Soil Lot Number:	P-TEFLONCH-00005	First End time:	N/A
Balance ID:	8	Person's name who witnessed reagent drop:	N/A
Hood ID or number:	FH-8	Oven, Bath or Block Temperature 1:	94 Degrees C
Hot Block ID number:	9	Oven, Bath or Block Temperature 2:	N/A Degrees C
Lot # of hydrochloric acid:	1907792		
Lot # of Nitric Acid:	1907875		
Logbook ID for diluted Nitric:	N/A		
Hydrogen peroxide lot number:	1907859		
ID number of the thermometer:	MESD1		
Temperature:	94 Degrees C		
Acid used for pH adjustment:	N/A		
Pipette ID:	PREP-20		

Metals Worksheet

Batch Number: 680-177400
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Aug 17 2010 10:21AM
Batch End: Aug 17 2010 4:40PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
680-60283-A-1			T	
680-60283-A-2			T	
680-60283-A-3			T	
680-60283-A-4			T	
680-60283-A-5			T	
680-60283-A-6			T	
680-60283-A-7			T	
680-60283-A-8			T	
680-60283-A-9			T	
680-60283-A-10			T	
680-60273-A-1	67495-1 FDS4-1	3050B, 6010B	T	
680-60273-A-2	67495-2 FDS4-2	3050B, 6010B	T	
680-60273-A-3	67495-3 FDS4-3	3050B, 6010B	T	
680-60273-A-4	67495-4 FDS4-4	3050B, 6010B	T	
680-60273-A-5	67495-5 FDS-4-3-D	3050B, 6010B	T	
680-60273-A-6			T	
680-60273-A-7		3050B, 6010B	T	
680-60273-A-7~MS		3050B, 6010B	T	
680-60273-A-7~MS D		3050B, 6010B	T	
MB~680-177400/20		3050B, 6010B		
LCS~680-177400/21		3050B, 6010B		

Batch Comment: N/A

Metals Worksheet

Batch Number: 680-177671
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Aug 19 2010 1:22PM
Batch End: Aug 19 2010 2:59PM

Lab ID	Client ID	Method Chain	Basis	Target Amount of Sample to Use	Initial weight/volume of sample	Final weight/volume of sample	Hg_Int_Cal_00048
MB~680-177671/1					0.51 g	50 mL	
LCS~680-177671/2		7471A, 7471A			0.54 g	50 mL	0.25 mL
680-60144-B-1			T	76.2903 g	0.52 g	50 mL	
680-60144-B-1~MS		7471A, 7471A	T	76.2903 g	0.52 g	50 mL	0.10 mL
680-60144-B-1~MSD		7471A, 7471A	T	76.2903 g	0.54 g	50 mL	0.10 mL
680-60144-B-2			T	59.8456 g	0.55 g	50 mL	
680-60144-B-3			T	68.8904 g	0.53 g	50 mL	
680-60144-B-4			T	62.4511 g	0.54 g	50 mL	
680-60144-B-5			T	66.0248 g	0.50 g	50 mL	
680-60144-B-6			T	61.1179 g	0.50 g	50 mL	
680-60144-B-7			T	60.8508 g	0.53 g	50 mL	
680-60273-A-1	67495-1 FDS4-1	7471A, 7471A	T	56.0914 g	0.52 g	50 mL	
680-60273-A-2	67495-2 FDS4-2	7471A, 7471A	T	56.1582 g	0.53 g	50 mL	
680-60273-A-3	67495-3 FDS4-3	7471A, 7471A	T	56.0119 g	0.52 g	50 mL	
680-60273-A-4	67495-4 FDS4-4	7471A, 7471A	T	54.2763 g	0.50 g	50 mL	
680-60273-A-5	67495-5 FDS-4-3-D	7471A, 7471A	T	55.5156 g	0.53 g	50 mL	
680-60273-A-6			T	56.5389 g	0.52 g	50 mL	
680-60273-A-7			T	54.5771 g	0.52 g	50 mL	
680-60300-A-7-A			P		0.53 g	50 mL	
680-60303-A-1			T		0.52 g	50 mL	
680-60470-B-1			T		0.51 g	50 mL	
680-60462-B-1			T		0.52 g	50 mL	

Acid used for pH adjustment:	N/A
Nominal Amount Used:	50 g
SOP Number:	ME 28
Digestion Tube/Cup Lot #:	1001171
Hot Block ID number:	HF-6
Hood ID or number:	HF-6
Balance ID:	7
Blank Soil Lot Number:	P_SOIL-00007
Lot # of Nitric Acid:	1907877
Lot # of hydrochloric acid:	1907836
Potassium Permanganate Lot Number:	1940008
Sulfuric Acid Lot Number:	1920588
Hydroxylamine Sulfate Lot Number:	1950333
Potassium Persulfate Lot Number:	1943815
Stannous Chloride Lot Number:	N/A
Oven, Bath or Block Temperature 1:	90 %
NaCL Lot #:	1483774
Aqua Regia Lot Number:	1945926
Hydroxylamine Hydrochloride Lot:	1914492

Metals Worksheet

Batch Number: 680-177671
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Aug 19 2010 1:22PM
Batch End: Aug 19 2010 2:59PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-177671/1				
LCS~680-177671/2		7471A, 7471A		
680-60144-B-1			T	
680-60144-B-1~MS		7471A, 7471A	T	
680-60144-B-1~MSD		7471A, 7471A	T	
680-60144-B-2			T	
680-60144-B-3			T	
680-60144-B-4			T	
680-60144-B-5			T	
680-60144-B-6			T	
680-60144-B-7			T	
680-60273-A-1	67495-1 FDS4-1	7471A, 7471A	T	
680-60273-A-2	67495-2 FDS4-2	7471A, 7471A	T	
680-60273-A-3	67495-3 FDS4-3	7471A, 7471A	T	
680-60273-A-4	67495-4 FDS4-4	7471A, 7471A	T	
680-60273-A-5	67495-5 FDS-4-3-D	7471A, 7471A	T	
680-60273-A-6			T	
680-60273-A-7			T	
680-60300-A-7-A			P	
680-60303-A-1			T	
680-60470-B-1			T	
680-60462-B-1			T	

Batch Comment: N/A

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: Proj. Name: NASONEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 67495 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
FDS4-1			TAL Metals		X						S	1	G		67495-1
FDS 4-2					X						S	1	G		-2
FDS 4-3					X						S	1	G		-3
FDS 4-4					X						S	1	G		-4
FDS 4-3-D					X						S	1	G		-5

Received By: UPS Time: 1719 Date: 8/11/10
Received By: Time: 0850 Date: 8/12/10
Relinquished By Sampler:
Relinquished By: UPS
Relinquished By:

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
[X] 24hr* [ ] 48hr*
[ ] 72hr* [ ] 5 Days*
*Fee may apply; lab approval required

Comments / Instructions:
Brownfields project
Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
[ ] MCP* [ ] Level II*
[ ] CTRCP* [ ] Level III*
[X] DOD* [ ] Level IV*
[ ] Standard

State:
[ ] NH
[X] MA
[ ] ME
[ ] CT
[ ] RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required: (Y) N
Type: TTEC EDD

Analytics\AEL Documents\AEL COC

Page ___ of ___

680-60273
4.2°c

8/13/10

08/24/2010

analytics environmental laboratory LLC

CHAIN OF CUSTODIES

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:COC.doc

TETRA TECH ~~NUS, INC~~.

CHAIN OF CUSTODY

NUMBER № 027602

PAGE ____ OF _____

PROJECT NO:	FACILITY: NASOWEY	PROJECT MANAGER: Brian Corbett	PHONE NUMBER: 617 443 7500	LABORATORY NAME AND CONTACT: Analytics Environmental
SAMPLERS (SIGNATURE): Matthew J. Cann		FIELD OPERATIONS LEADER: Richard Claydon	PHONE NUMBER: 857 272 2020	ADDRESS: 195 Commerce way Suite E
		CARRIER/WAYBILL NUMBER		CITY, STATE: Portsmouth NH

*Per Richard Claydon 5-10 day TAT is ok JB 8/12/10

STANDARD TAT ☐
RUSH TAT ☐
☐ 24 hr. ☒ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

DATE (aug 11 YEAR 2010)	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TAL metals	EPH	VPH	% Solids					COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G	G	G					
PRESERVATIVE USED												MeOH					
	0820	FDS 4-1					G	1	1				67495-	1			Cooler Temp measured 4°C
	0900	FDS 4-2					G	1	1					2			
*	0950	FDS 4-3					G	~~2~~1	~~2~~1					3			Duplicate taken
	1110	FDS 4-4					G	1	1					4			
		~~LRA 5-2~~					~~G~~										
		~~LRA 6-2~~					~~G~~										
		~~LRA 7-2~~					~~G~~										
		~~LRA 8-2~~					~~G~~										
		~~LRA 9-2~~					~~G~~										
		~~LRA 10-2~~					~~G~~										
*	950	FDS4-3-D						1	1					-5			

*one container has "FDS 4 D" as sample name w/same date & time as "FDS4-3"
JB 8/11/10 per Richard Claydon ok analyze sample duplicate w/sample name "FDS4-3-D" for TAL metals

1. RELINQUISHED BY: Matthew Cann	DATE: 8/11/10	TIME: 1130	1. RECEIVED BY: [signature]	DATE: 8-11-10	TIME: 1130 JB 8/11/10
2. RELINQUISHED BY:	DATE:	TIME:	2. RECEIVED BY:	DATE:	TIME:
3. RELINQUISHED BY:	DATE:	TIME:	3. RECEIVED BY:	DATE: JB 8/11/10	TIME:

COMMENTS:

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

Matt Cann 8/11/10

4/02R
FORM NO. TINUS-001

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 67495 COOLER NUMBER: N/A

CLIENT: TETRA TECH NUMBER OF COOLERS: 1

PROJECT: NASOWEY DATE RECEIVED: 08/11/10

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 08/11/10

1. Cooler received by(initials): LM Date Received: 08/11/10

2. Circle one: Hand delivered (If so, skip 3) Shipped

3. Did cooler come with a shipping slip? Y NA

3a. Enter carrier name and airbill number here: N/A

4. Were custody seals on the outside of cooler? Y N
How many & where: N/A Seal Date: N/A Seal Name: N/A

5. Did the custody seals arrive unbroken and intact upon arrival? Y N/A

6. COC#: 027602

7. Were Custody papers filled out properly (ink,signed, etc)? Y N

8. Were custody papers sealed in a plastic bag? Y N

9. Did you sign the COC in the appropriate place? Y N

10. Was the project identifiable from the COC papers? Y N

11. Was enough ice used to chill the cooler? Y N Temp. of cooler: 4°

B. Log-In: Date samples were logged in: 08/11/10 By: LM

12. Type of packing in cooler (bubble wrap popcorn) Y N

13. Were all bottles sealed in separate plastic bags? Y N

14. Did all bottles arrive unbroken and were labels in good condition? Y N

15. Were all bottle labels complete(ID,Date,time,etc.) Y N

16. Did all bottle labels agree with custody papers? Y N

17. Were the correct containers used for the tests indicated: Y N

18. Were samples received at the correct pH? ~~Y~~ CP 8/12/10 N/A

19. Was sufficient amount of sample sent for the tests indicated? Y N

20. Were bubbles absent in VOA samples? Y N/A

If NO, List Sample ID's and Lab #s:

21. Laboratory labeling verified by (initials): Date: 8·11·10

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

September 20, 2010

Mr. Richard Claydon
Tetra TECH EC, Inc.
160 Federal Street, 6th Floor
Boston, MA 02110

RE: Analytical Results Case Narrative
Analytics # 67514
NAS SOWEY Hanger 2
South Weymouth, MA

Dear Mr. Claydon:

Enclosed please find the analytical results for samples collected from the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for Volatile Petroleum Hydrocarbons (VPH) using MADEP VPH Method Rev 1.1, May 2004, and Extractable Petroleum Hydrocarbons by Massachusetts DEP EPH Method, Rev 1.1 May 2004.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level IV package has been assembled in the following order:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- MCP Cover Pages
- Summary Report
- Sample Logbook Pages/Extraction Data Sheets
- VPH Form 1 Data Sheet
- VPH Form 2 Surrogate Recoveries
- VPH Form 3 MS/MSD and LCS/LCSD Recoveries
- VPH Form 4 Method Blank Summary GC/MS Logbook Sheets
- VPH Form 5 BFB Tune Summaries (24-hr. Tune Window)
- VPH Form 6 Initial Calibration Data Target Compounds and Ranges
- VPH Form 7 Continuing Calibration Check
- VPH Form 8 RT Summary
- EPH Form 2 Surrogate Recoveries
- EPH Form 3 MS/MSD and LCS/LCSD Recoveries
- EPH Form 4 Method Blank Summary GC/MS Logbook Sheets
- EPH Form 5 DFTPP Tune Summaries (24-hr. Tune Window)
- EPH Form 6 Initial Calibration Data Target Compounds and Ranges
- EPH Form 7 Continuing Calibration Check (equiv.)
- EPH Form 8 Internal Standard Area and RT Summary
- Chain of Custody (COC) Forms
- Sample Receipt Checklist

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations.

Volatile Petroleum Hydrocarbons (VPH):
No results were reported below the quantitation limit for the C9-C10 aromatic hydrocarbon range.

No extra sample was provided for MS/MSD analysis. The MS/MSD analysis was conducted by adding the spike aliquot to the sample before loading onto the instrument.

Sample 67514-1 had low surrogate recovery. The sample was analyzed previously with similar results.

The MS/MSD analyzed on sample 67514-2 had some analytes with recoveries outside the acceptance citeria. The laboratory control samples were in control. Results were reported without qualification.

Extractable Petroleum Hydrocarbons (EPH):
No QC deviations.

If you have any questions or I can be of further assistance, please do not hesitate to contact me.

Sincerely
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

Report Number: 67514

Revision: Rev. 0

Re: NAS SOWEY HANGER 2 (Project No: 106-2282)

Enclosed are the results of the analyses on your sample(s). Samples were received on 13 August 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
67514-1	08/12/10	LRA-6-A	MADEP EPH	
	08/12/10	LRA-6-A	Volatile Petroleum Hydrocarbons	
67514-2	08/11/10	LRA-10-A	MADEP EPH	
	08/11/10	LRA-10-A	Volatile Petroleum Hydrocarbons	
67514-3	08/11/10-08/12/10	Trip Blank	Electronic Data Deliverable	
	08/11/10-08/12/10	Trip Blank	Volatile Petroleum Hydrocarbons	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 08/23/2010

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 67514

Project Location: NAS SOWEY HANGER 2 RTN:

This Form provides certificatious for the following data set. Laboratory Sample ID Number(s):

67514-1, 67514-2, 67514-3

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☒	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☒	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☐ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☐ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☒ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Assistant Laboratory Director

Printed Name: Melissa Gulli **Date:** September 20, 2010

Summary Report

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV081610K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 08/16/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				85
Surrogate % Recovery (2,5-Dibromotoluene) FID				82
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2157
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV081710K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 08/17/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				76
Surrogate % Recovery (2,5-Dibromotoluene) FID				73
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV081810K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 08/18/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				74
Surrogate % Recovery (2,5-Dibromotoluene) FID				71
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV081910K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 08/19/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				79
Surrogate % Recovery (2,5-Dibromotoluene) FID				76
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Nnmber: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B081310EASE
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 08/13/10
Analysis Date: 09/14/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				84
Aromatic Surrogate % Recovery (O-Terphenyl)				65
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				82
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				73
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY:MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Michelle

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

August 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LRA-6-A

SAMPLE DATA

Lab Sample ID: 67514-1
Matrix: Solid
Percent Solid: 81
Dilution Factor: 92.6
Collection Date: 08/12/10
Lab Receipt Date: 08/13/10
Analysis Date: 08/19/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	4630	µg/kg	**19300**
Unadjusted C9-C12 Aliphatics[1]	N/A	4630	µg/kg	**24100**
Benzene	C5-C8	190	µg/kg	U
Ethylbenzene	C9-C12	190	µg/kg	U
Methyl-tert-butyl ether	C5-C8	190	µg/kg	U
Naphthalene	N/A	190	µg/kg	**448**
Toluene	C5-C8	190	µg/kg	U
m- & p-Xylenes	C9-C12	370	µg/kg	**1440**
o-Xylene	C9-C12	190	µg/kg	**1000**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	4630	µg/kg	**19300**
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	4630	µg/kg	**9900**
C9-C10 Aromatic Hydrocarbons[1]	N/A	930	µg/kg	**11700**
Surrogate % Recovery (2,5-Dibromotoluene) PID				67*
Surrogate % Recovery (2,5-Dibromotoluene) FID				64*
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a moisture corrected and dry weight basis.* Surrogate recovery outside of laboratory acceptance criteria. Sample was reanalyzed with similar results.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

August 23, 2010

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LRA-6-A

SAMPLE DATA

Lab Sample ID: 67514-1
Matrix: Solid
Percent Solid: 81
Dilution Factor: 1.2
Collection Date: 08/12/10
Lab Receipt Date: 08/13/10
Extraction Date: 08/13/10
Analysis Date: 08/15/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		32200	µg/kg	**34400**
Diesel PAH Analytes	Naphthalene	322	µg/kg	**279 J**
	2-Methylnaphthalene	322	µg/kg	**584**
	Phenanthrene	322	µg/kg	U
	Acenaphthene	322	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	322	µg/kg	U
	Fluorene	322	µg/kg	U
	Anthracene	322	µg/kg	U
	Fluoranthene	322	µg/kg	U
	Pyrene	322	µg/kg	U
	Benzo[a]anthracene	322	µg/kg	U
	Chrysene	322	µg/kg	U
	Benzo[b]fluoranthene	322	µg/kg	U
	Benzo[k]fluoranthene	322	µg/kg	U
	Benzo[a]pyrene	322	µg/kg	U
	Indeno[1,2,3-cd]pyrene	322	µg/kg	U
	Dibenzo[a,h]anthracene	322	µg/kg	U
	Benzo[g,h,i]perylene	322	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		32200	µg/kg	**68400**
C19-C36 Aliphatic Hydrocarbons[1]		32200	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		32200	µg/kg	**32900**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				62
Aromatic Surrogate % Recovery (O-Terphenyl)				71
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				88
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				78
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

August 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LRA-10-A

SAMPLE DATA

Lab Sample ID: 67514-2
Matrix: Solid
Percent Solid: 96
Dilution Factor: 59.7
Collection Date: 08/11/10
Lab Receipt Date: 08/13/10
Analysis Date: 08/16/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2990	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2990	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	240	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2990	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2990	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	600	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				80
Surrogate % Recovery (2,5-Dibromotoluene) FID				78
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a moisture corrected and dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

August 23, 2010

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LRA-10-A

SAMPLE DATA

Lab Sample ID: 67514-2
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 08/11/10
Lab Receipt Date: 08/13/10
Extraction Date: 08/13/10
Analysis Date: 08/15/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27600	µg/kg	U
Diesel PAH Analytes	Naphthalene	276	µg/kg	U
	2-Methylnaphthalene	276	µg/kg	U
	Phenanthrene	276	µg/kg	U
	Acenaphthene	276	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	276	µg/kg	U
	Fluorene	276	µg/kg	U
	Anthracene	276	µg/kg	U
	Fluoranthene	276	µg/kg	U
	Pyrene	276	µg/kg	U
	Benzo[a]anthracene	276	µg/kg	U
	Chrysene	276	µg/kg	U
	Benzo[b]fluoranthene	276	µg/kg	U
	Benzo[k]fluoranthene	276	µg/kg	U
	Benzo[a]pyrene	276	µg/kg	U
	Indeno[1,2,3-cd]pyrene	276	µg/kg	U
	Dibenzo[a,h]anthracene	276	µg/kg	U
	Benzo[g,h,i]perylene	276	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27600	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				66
Aromatic Surrogate % Recovery (O-Terphenyl)				90
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				93
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				83
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

August 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: Trip Blank

SAMPLE DATA

Lab Sample ID: 67514-3
Matrix: Solid
Percent Solid: 100
Dilution Factor: 50
Collection Date: 08/11/10- 08/12/10
Lab Receipt Date: 08/13/10
Analysis Date: 08/16/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				84
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a moisture corrected and dry weight basis.

Authorized signature: Mrbbull

EXTRACTION
LOGBOOK PAGES

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 08/16/10

Initials: SMC

EXTRACT TRANSFER SHEET

Extractable Petroleum

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
67512-2	EPHASE	08/13/10	Solid		15.40	2.0		
67512-3	EPHASE	08/13/10	Solid		15.36	2.0		
67514-1	EPHASE	08/13/10	Solid		15.36	2.0		
67514-2	EPHASE	08/13/10	Solid		15.15	2.0		
67350-11	EPHASE	08/13/10	Solid		15.37	2.0	25.80	REX
67470-3 RX	EPHASE	08/13/10	Solid		15.13	2.0	47.45	REX
~~67470-4 RX~~	~~EPHASE~~	~~08/13/10~~	~~Solid~~		~~15.22~~	~~2.0~~	~~77.25~~	~~REX~~
~~67487-2 RX~~	~~EPHASE~~	~~08/16/10~~	~~Solid~~		~~15.14~~	~~2.0~~	~~91.49~~	~~REX~~
~~67470-4~~	~~EPHASE~~	~~08/16/10~~	~~Solid~~		~~15.80~~	~~2.0~~	~~77.25~~	~~REX~~

8/16/10

8.16.10

EB 8.16.10

Extractable Petroleum Hydrocarbons Solid Preparation Logbook

Circle Method Reference: ~~SW-846 3550B Sonication~~ SW-846 3545 Accelerated Solvent Extraction (ASE) ~~MADEP -98-EPH~~

Date: 8/13/10 Time: 430 pm
Initials: SC

QC Batch ID: Q-P-072810-1-VH (ex 6795D) Q-P-081110-2-VH
Prep. Batch ID P-P-081310-1-SC

Sample #	Matrix	Weight (g)	① mL Surrogate	② mL Spike	Cook Down Date	Turbo Vap# (10mL)	③ mL Frac. Sur	F.V Before Frac.in C6	Volumetric Serial #	Ali. Vol. C6	Volumetric Serial #	Aro. Vol. MeCl2	Volumetric Serial #	Fractiontion Date	Turbo Vap # Ali (1mL)	Aro
B081310ease	Na2SO4	15.00	1.0	—	8.13.10	4	1.0	10ml	1140	1ml	1680	1ml	1710	8.14.10 SC	4	2
LD081310ease	Si sand	15.54	1.0	1.0	↓	↓	1.0	↓	↓	↓	↓	↓	↓	↓	↓	↓
LDD081310ease	↓	15.69	1.0	1.0			1.0									
67350-11, Rx	soil	15.37	1.0	—			1.0									
67470-3, Rx	↓	15.13	1.0	—			1.0									4
~~-4, -5~~	↓	~~15.22~~	~~1.0~~	~~—~~			~~1.0~~									
67512-3 SC 8/14/10	mud	15.40	1.0	—			1.0								1	
↓ -3	clay	15.36	1.0	—			1.0									
67514-1	soil	15.36	1.0	—			1.0									
↓ -2	↓	15.15	1.0	—			1.0									↓
-2, MS		15.26	1.0	1.0			1.0									1
↓ -2, MSD	↓	15.21	1.0	1.0	↓	↓	1.0	↓	↓	↓	↓	↓	↓	↓	2	↓

SC 8/14/10

✓EB 8-16-10

VPH
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV081610K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 08/16/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				85
Surrogate % Recovery (2,5-Dibromotoluene) FID				82
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: MFulchell

VPH SOIL REPORT

Sample Name	**MBV081610K**
Data File Name	K28520B.D
Date Acquired	8/16/2010 12:36
Misc Info	100,10.00,SOIL ✓
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**1.0000** ✓
% Moisture (divided by 100)	0.0000
Vol. entrained water (mL)	0.0000
Total MeOH/water vol (mL)	10.0000
Dilution Factor	50.00
Moisture Corrected Dilution Factor	50.00

gg 8/17/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2500	
Unadjusted C9-C12 Aliphatics	U		2500	
Benzene	U		100	
Ethylbenzene	U		100	
Methyl-t-butylether	U		100	
Naphthalene	U		100	ND
Toluene	U		100	
m,p-Xylenes	U		200	
o-Xylene	U		100	
C5-C8 Aliphatic Hydrocarbons	U		2500	
C9-C12 Aliphatic Hydrocarbons	U		2500	
C9-C10 Aromatic Hydrocarbons	U		500	
PID Surrogate % Recovery	85%		70-130%	PASS ✓
FID Surrogate % Recovery	82%		70-130%	PASS ✓

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	28.22 ✓	0.00	206717						0
C9-C12 ALIPHATICS	9.71 ✓	0.00	69206						0
2,5-Dibromotoluene	82.35		242213						
PID RESULTS									
Methyl-t-butylether #2	0.13	0.00	611	2.209	2.183	0.0477	OK	0.00	0
Benzene #2	0.43	0.00	5570	3.514	3.512	0.0380	OK	0.00	0
Toluene #2	0.40	0.00	4790	4.882	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.37	0.00	4091	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.66	0.00	8220	6.188	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.44	0.00	4936	6.560	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.44	0.00	4451	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	4.94 ✓	0.00	58299						0
2,5-Dibromotoluene #2	84.65		668161						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

VMT 8/19/10

8/17/2010 8:42 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28520B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 12:36 pm
perator : MT
Sample : MBV081610K
Misc : 100,10.00,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 08:41:50 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
18) S 2,5-Dibro...	11.354	11.354	242213	668161	82.348	84.653
Spiked Amount 100.000 Range 70 - 130 Recovery = 82.35% 84.65%						
Target Compounds						
2) Z 2-Methylp...	2.003	2.018	6567	481	0.802	NoCal #
3) TM Methyl-t-...	0.000	2.209	0	611	N.D.	0.131 #
4) Z 2,2,4-Tri...	3.322	3.251	4827	429	0.625	NoCal #
5) TM Benzene	3.517	3.514	5805	5570	NoCal	0.428 #
6) TM Toluene	4.882	4.882	3819	4790	NoCal	0.402 #
7) XH C5-C8 ALI...	3.717	0.000	206717	0	28.222	N.D. #
9) TM Ethylbenzene	6.122	6.121	3676	4091	NoCal	0.374 #
10) TM m,p-Xylene	6.188	6.188	6536	8220	NoCal	0.655 #
11) TM o-Xylene	6.560	6.560	4067	4936	NoCal	0.441 #
12) Z n-Decane	7.152	7.152	6829	1816	0.990	NoCal #
13) Z n-Butylcy...	7.822	7.822	5056	2186	0.687	NoCal #
14) XH C9-C12 AL...	8.070	0.000	69206	0	9.708	N.D. #
15) ZM 1,2,4-Tri...	7.715	7.715	4481	4960	NoCal	0.420 #
16) XH C9-C10 AR...	10.410	8.424	32	58299	NoCal	4.942 #
17) TM Naphthalene	10.245	10.244	3361	4451	NoCal	0.437 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMT 8/19/10

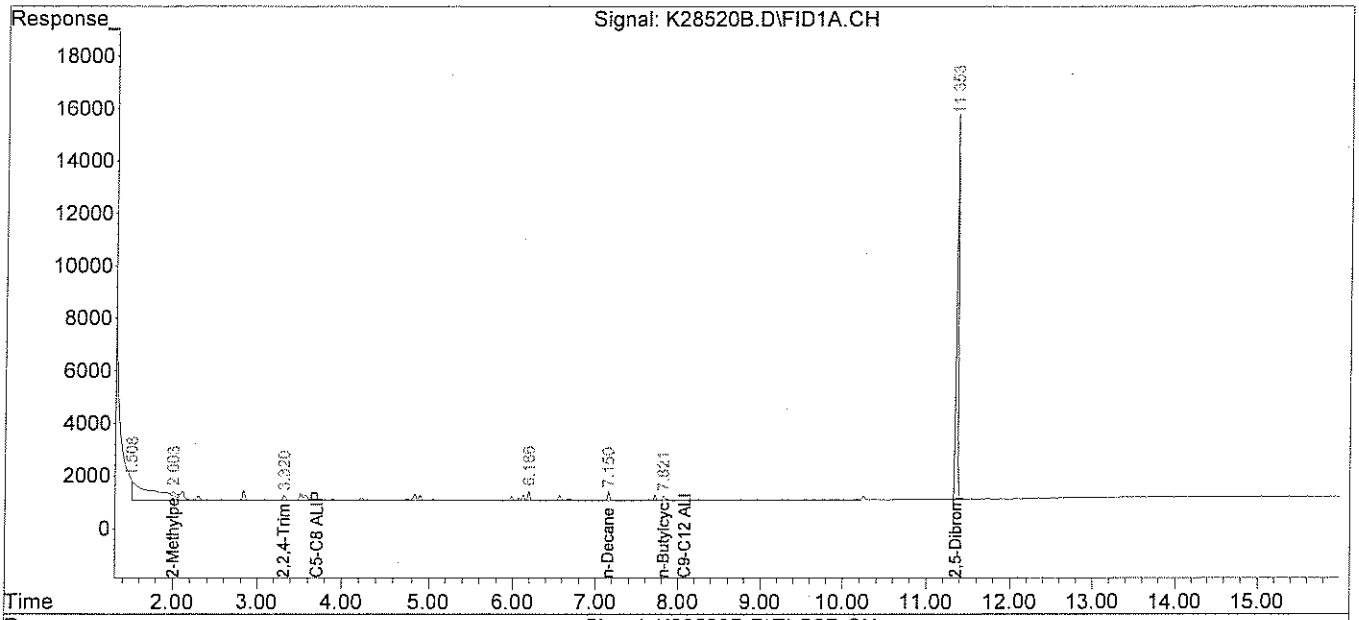
Quantitation Report (Not Reviewed)

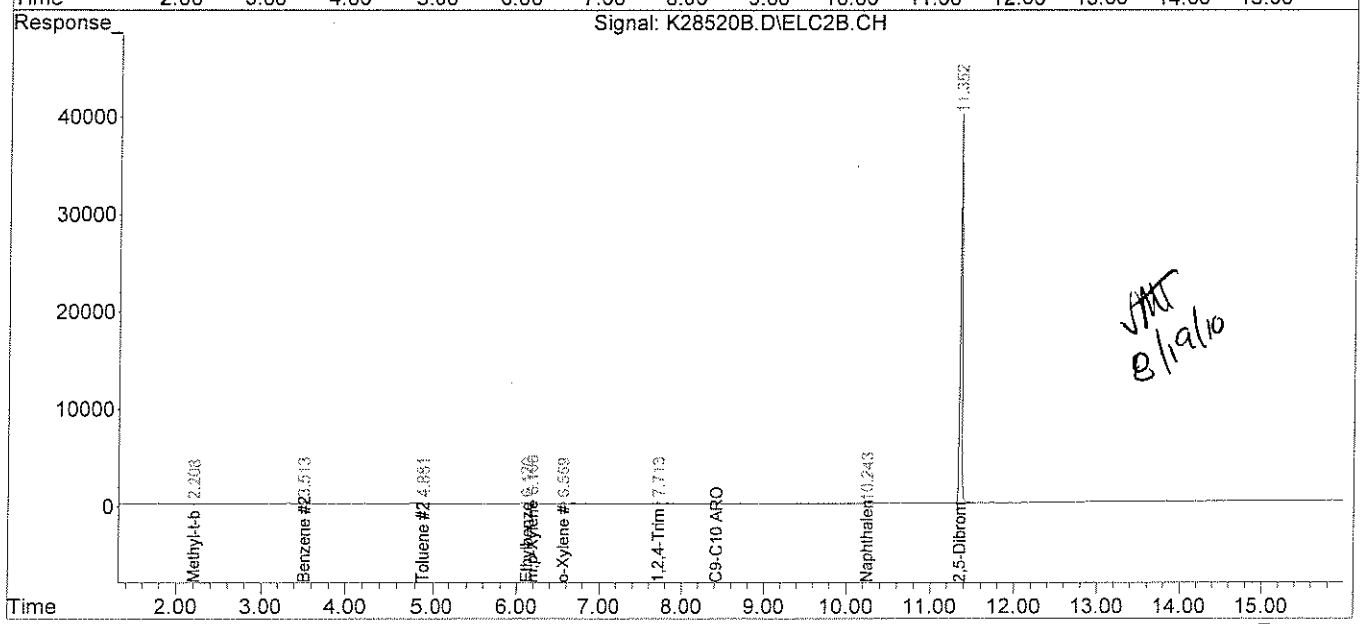
Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28520B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 12:36 pm
Operator : MT
Sample : MBV081610K
Misc : 100,10.00,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 08:41:50 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Nnmber: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV081710K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 08/17/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				76
Surrogate % Recovery (2,5-Dibromotoluene) FID				73
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VPH SOIL REPORT

Sample Name	**MBV081710K**
Data File Name	K28546B.D
Date Acquired	8/17/2010 16:25
Misc Info	100,10.00,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**1.0000**
% Moisture (divided by 100)	0.0000
Vol. entrained water (mL)	0.0000
Total MeOH/water vol (mL)	10.0000
Dilution Factor	50.00
Moisture Corrected Dilution Factor	50.00

8/18/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2500	
Unadjusted C9-C12 Aliphatics	U		2500	
Benzene	U		100	
Ethylbenzene	U		100	
Methyl-t-butylether	U		100	
Naphthalene	U		100	ND
Toluene	U		100	
m,p-Xylenes	U		200	
o-Xylene	U		100	
C5-C8 Aliphatic Hydrocarbons	U		2500	
C9-C12 Aliphatic Hydrocarbons	U		2500	
C9-C10 Aromatic Hydrocarbons	U		500	
PID Surrogate % Recovery	76%		70-130%	PASS
FID Surrogate % Recovery	73%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	33.60	0.00	246109						0
C9-C12 ALIPHATICS	12.08	0.00	86145						0
2,5-Dibromotoluene	72.84		214257						
PID RESULTS									
Methyl-t-butylether #2	0.53	0.00	2465	2.169	2.183	0.0477	OK	0.00	0
Benzene #2	0.78	0.00	10106	3.514	3.512	0.0380	OK	0.00	0
Toluene #2	0.77	0.00	9124	4.881	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.64	0.00	6989	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.94	0.00	11758	6.188	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.67	0.00	7491	6.558	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.41	0.00	4229	10.243	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	9.89	0.00	116621						0
2,5-Dibromotoluene #2	75.69		597431						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

VMT 8/19/10

8/18/2010 10:56 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081710-K\
Data File : K28546B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 17 Aug 2010 4:25 pm
Operator : MT
Sample : MBV081710K
Misc : 100,10.00,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 16:47:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 8/18/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.355	11.354	214257	597431	72.844	75.692
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	72.84% 75.69%
	Target Compounds						
2) Z	2-Methylp...	2.002	2.005	7563	1782	0.924	NoCal #
3) TM	Methyl-t-...	2.194	2.169	359	2465	NoCal	0.529 #
4) Z	2,2,4-Tri...	3.321	3.262	4751	1202	0.616	NoCal #
5) TM	Benzene	3.517	3.514	6782	10106	NoCal	0.777 #
6) TM	Toluene	4.882	4.881	4055	9124	NoCal	0.765 #
7) XH	C5-C8 ALI...	3.717	0.000	246109	0	33.600	N.D. #
9) TM	Ethylbenzene	6.122	6.121	3729	6989	NoCal	0.640 #
10) TM	m,p-Xylene	6.188	6.188	6476	11758	NoCal	0.937 #
11) TM	o-Xylene	6.559	6.558	3631	7491	NoCal	0.670 #
12) Z	n-Decane	7.152	7.148	3490	3074	0.506	NoCal #
13) Z	n-Butylcy...	7.820	7.826	2596	2605	0.353	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	86145	0	12.084	N.D. #
15) ZM	1,2,4-Tri...	7.716	7.713	3803	6107	NoCal	0.518 #
16) XH	C9-C10 AR...	10.410	8.424	11	116621	NoCal	9.886 #
17) TM	Naphthalene	10.245	10.243	1929	4229	NoCal	0.415 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMT 8/19/10

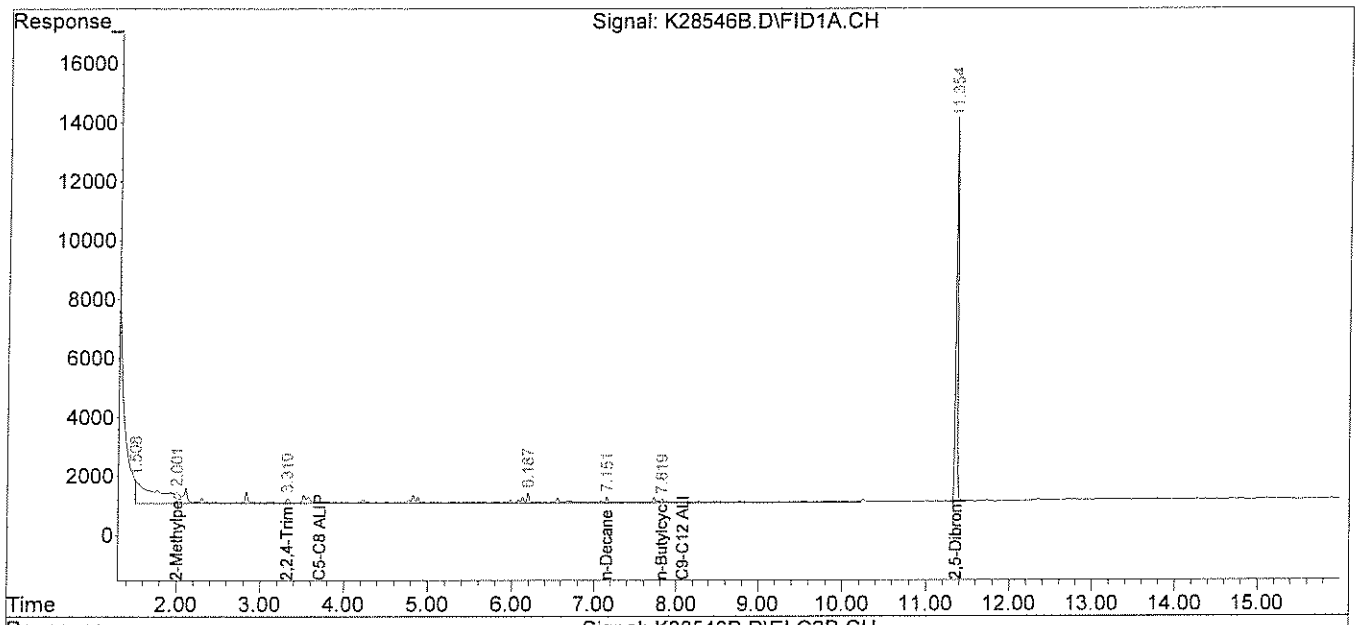
Quantitation Report (Not Reviewed)

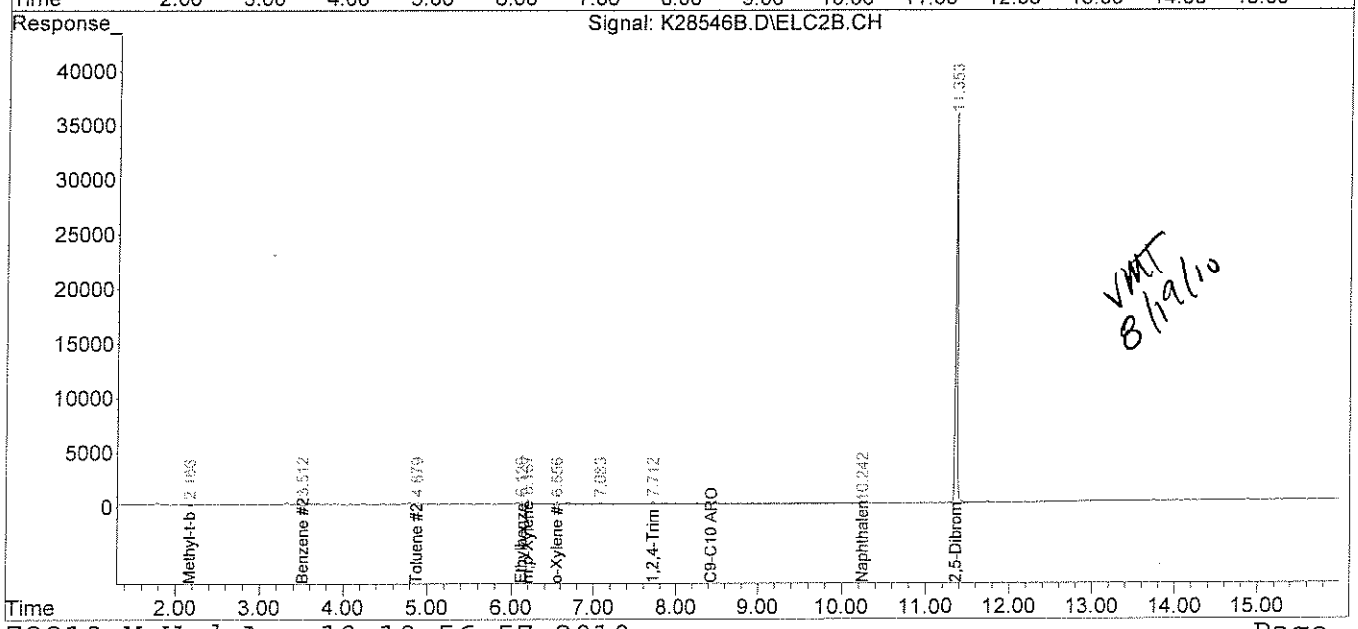
Data Path : C:\msdchem\1\DATA\081710-K\
Data File : K28546B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 17 Aug 2010 4:25 pm
Operator : MT
Sample : MBV081710K
Misc : 100,10.00,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 16:47:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 8/18/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV081810K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 08/18/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				74
Surrogate % Recovery (2,5-Dibromotoluene) FID				71
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VPH SOIL REPORT

Sample Name	**MBV081810K**
Data File Name	K28575B.D
Date Acquired	8/18/2010 16:44
Misc Info	100,10.00,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**1.0000**
% Moisture (divided by 100)	0.0000
Vol. entrained water (mL)	0.0000
Total MeOH/water vol (mL)	10.0000
Dilution Factor	50.00
Moisture Corrected Dilution Factor	50.00

gg 8/19/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2500	
Unadjusted C9-C12 Aliphatics	U		2500	
Benzene	U		100	
Ethylbenzene	U		100	
Methyl-t-butylether	U		100	
Naphthalene	U		100	ND
Toluene	U		100	
m,p-Xylenes	U		200	
o-Xylene	U		100	
C5-C8 Aliphatic Hydrocarbons	U		2500	
C9-C12 Aliphatic Hydrocarbons	U		2500	
C9-C10 Aromatic Hydrocarbons	U		500	
PID Surrogate % Recovery	74%		70-130%	PASS
FID Surrogate % Recovery	71%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	32.74	0.00	239828						0
C9-C12 ALIPHATICS	13.81	0.00	98434						0
2,5-Dibromotoluene	70.89		208521						
PID RESULTS									
Methyl-t-butylether #2	0.44	0.00	2038	2.167	2.183	0.0477	OK	0.00	0
Benzene #2	0.76	0.00	9948	3.514	3.512	0.0380	OK	0.00	0
Toluene #2	0.85	0.00	10099	4.882	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.82	0.00	9006	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	1.44	0.00	18031	6.188	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.94	0.00	10498	6.559	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.73	0.00	7457	10.245	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	8.54	0.00	100718						0
2,5-Dibromotoluene #2	74.22		585787						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

VMT 8/19/10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28575B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 4:44 pm
Operator : JJL
Sample : MBV081810K
Misc : 100,10.00,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 10:35:58 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/19/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	208521	585787	70.893	74.217	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	70.89%	74.22%
	Target Compounds							
2) Z	2-Methylp...	2.003	2.046	8950	2538	1.093	NoCal	#
3) TM	Methyl-t-...	2.178	2.167	928	2038	NoCal	0.437	#
4) Z	2,2,4-Tri...	3.276	3.257	317	2101	0.041	NoCal	#
5) TM	Benzene	3.513	3.514	10241	9948	NoCal	0.764	#
6) TM	Toluene	4.882	4.882	8125	10099	NoCal	0.847	#
7) XH	C5-C8 ALI...	3.717	0.000	239828	0	32.743	N.D.	#
9) TM	Ethylbenzene	6.121	6.121	7057	9006	NoCal	0.824	#
10) TM	m,p-Xylene	6.188	6.188	13262	18031	NoCal	1.437	#
11) TM	o-Xylene	6.559	6.559	6928	10498	NoCal	0.938	#
12) Z	n-Decane	7.152	7.155	6560	2415	0.951	NoCal	#
13) Z	n-Butylcy...	7.822	7.820	4019	4187	0.546	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	98434	0	13.808	N.D.	#
15) ZM	1,2,4-Tri...	7.715	7.715	7198	11531	NoCal	0.978	#
16) XH	C9-C10 AR...	10.410	8.424	11	100718	NoCal	8.538	#
17) TM	Naphthalene	10.245	10.245	2887	7457	NoCal	0.732	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMT 8/19/10

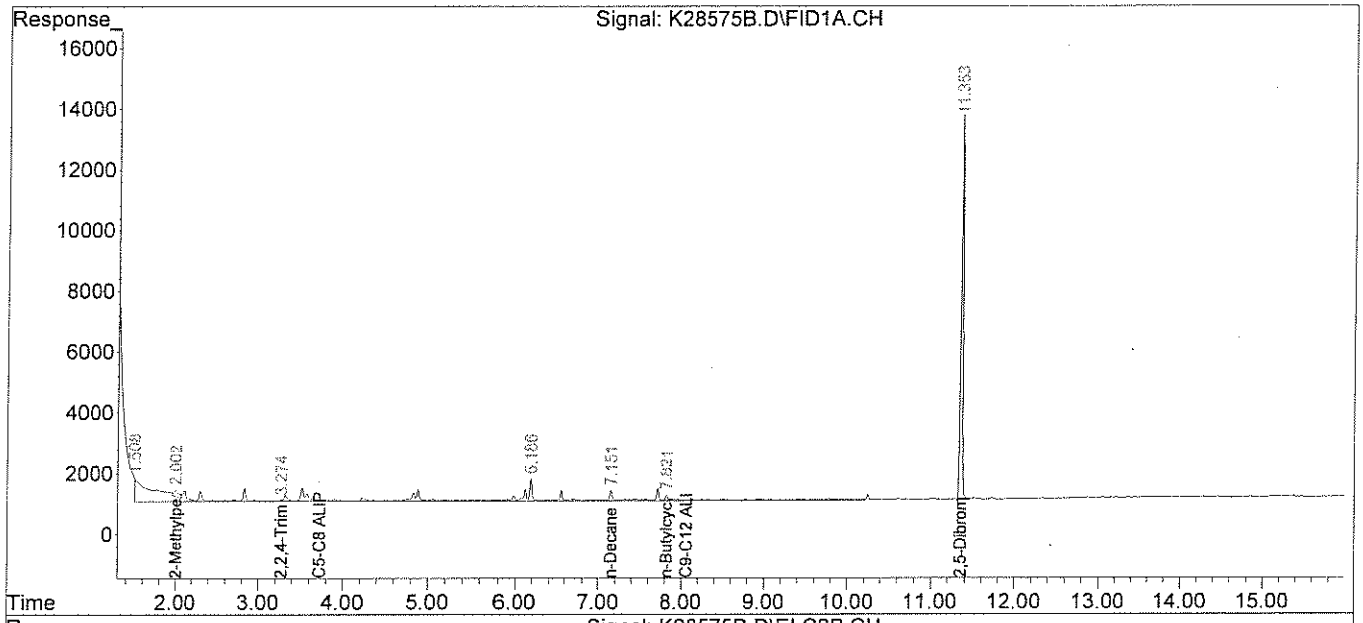
Quantitation Report (QT Reviewed)

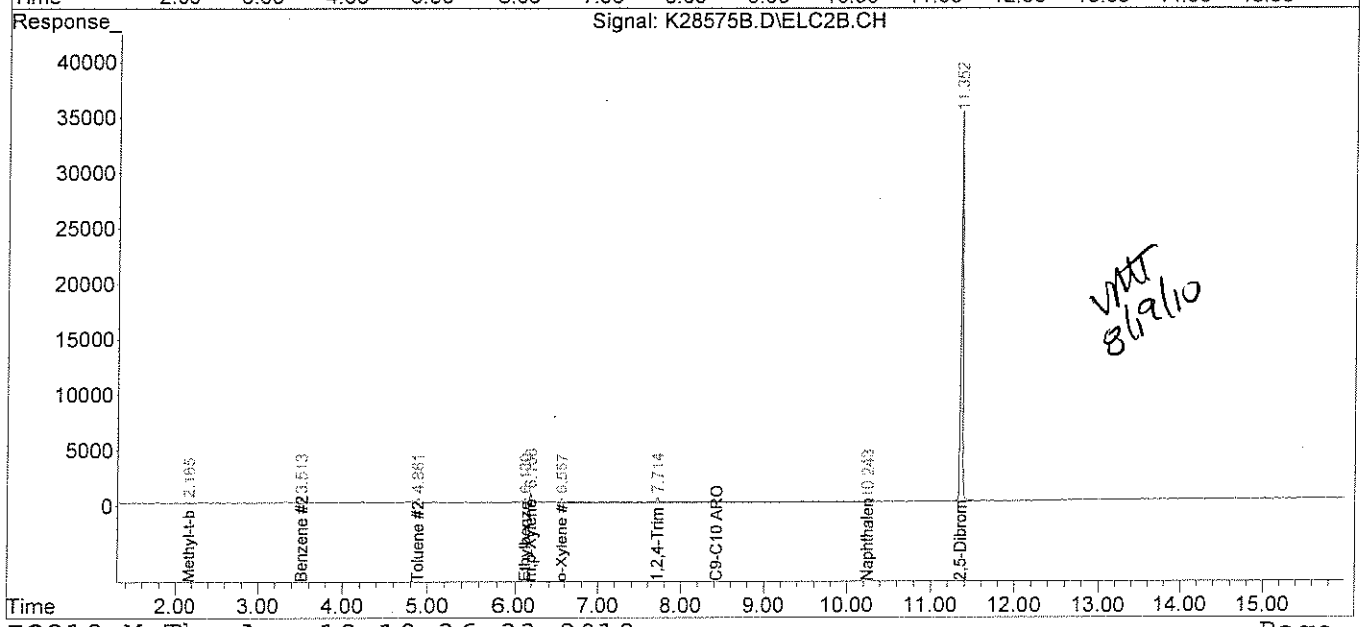
Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28575B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 4:44 pm
Operator : JJL
Sample : MBV081810K
Misc : 100,10.00,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 10:35:58 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 8/19/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

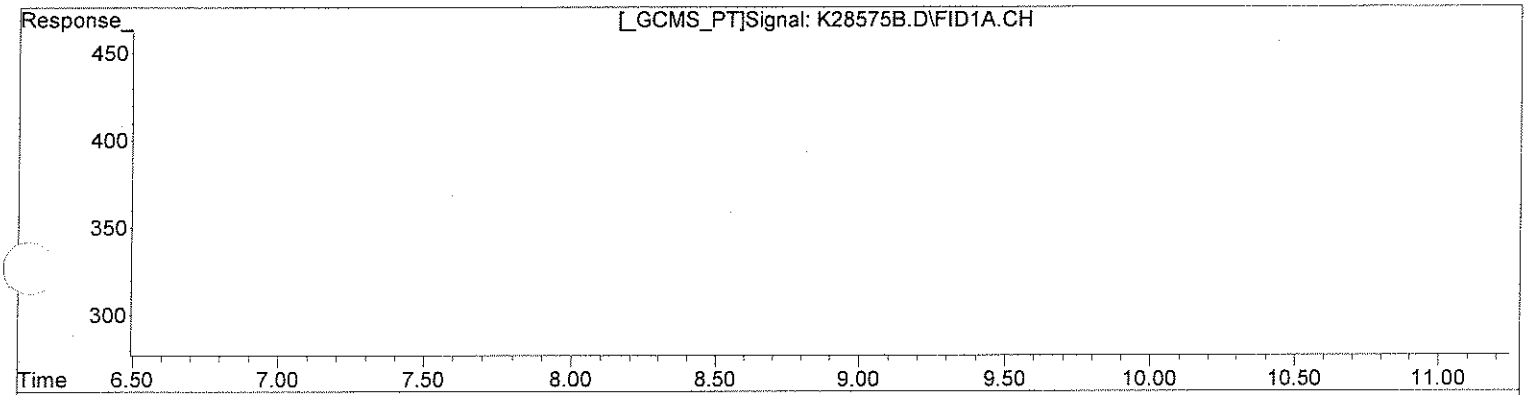
Quantitation Report (Qedit)

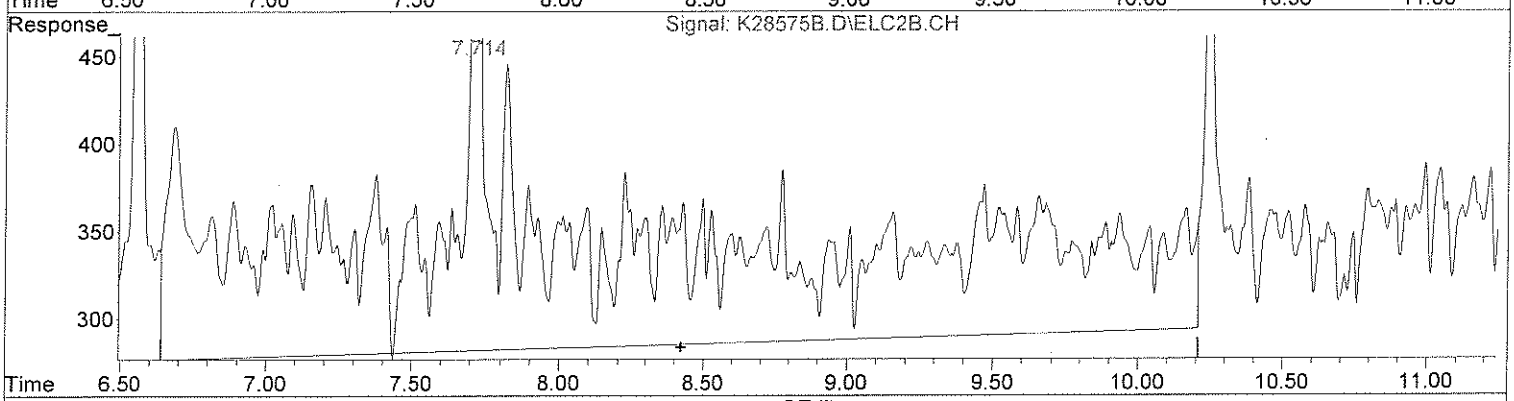
Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28575B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 4:44 pm
Operator : JJL
Sample : MBV081810K
Misc : 100,10.00,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 10:35:35 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gf 8/19/10
Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 11

(16) C9-C10 AROMATICS #2 (XH)
8.424min 10.981ug/L m
response 129537

VMT 8/19/10

(+) = Expected Retention Time

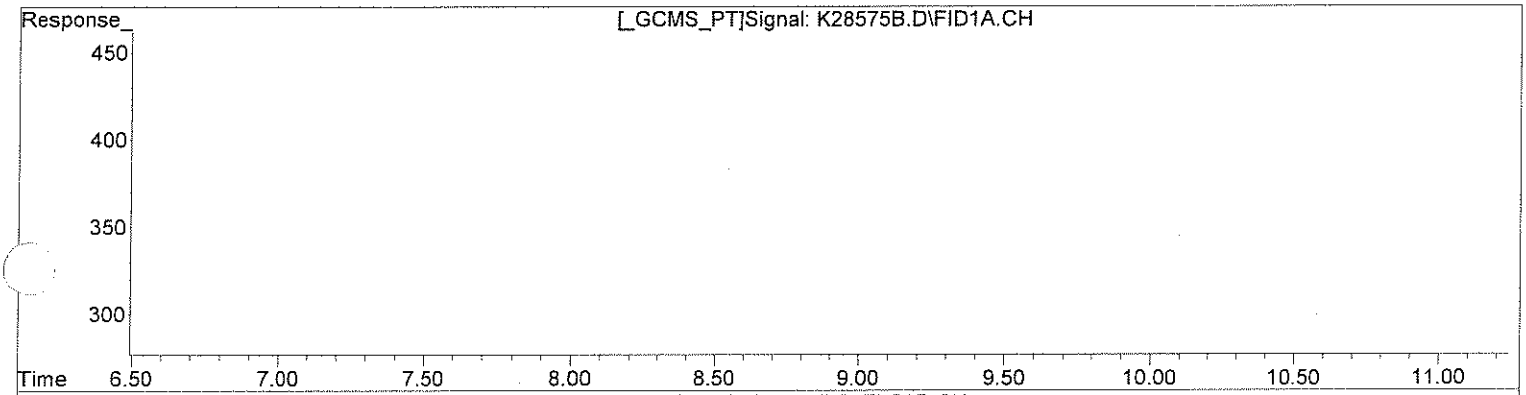
Quantitation Report (Qedit)

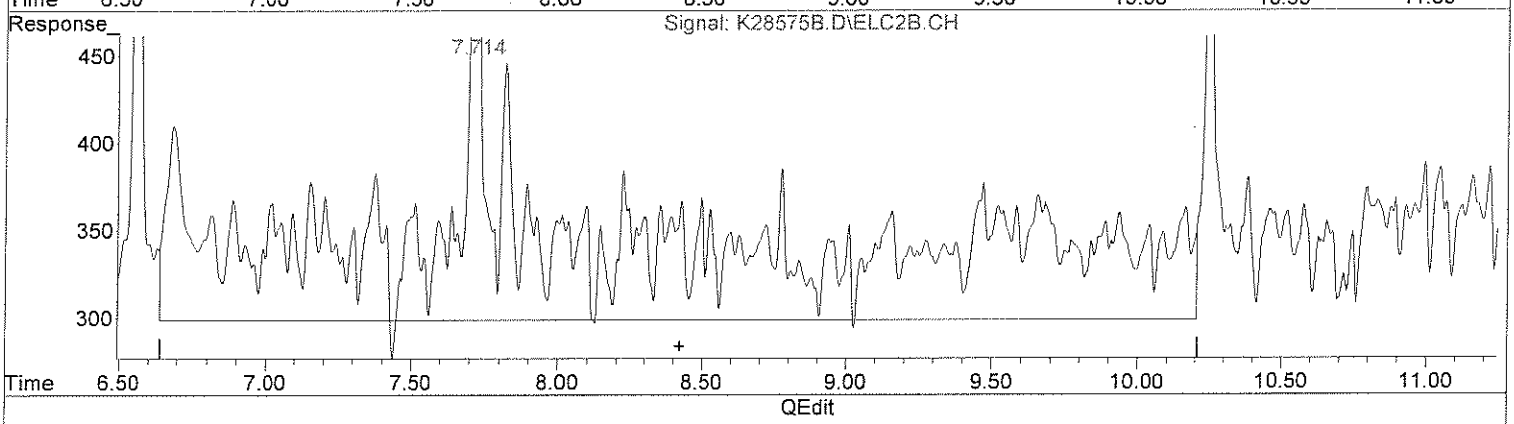
Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28575B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 4:44 pm
Operator : JJL
Sample : MBV081810K
Misc : 100,10.00,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 10:35:35 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 8/19/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 11

(16) C9-C10 AROMATICS #2 (XH)
8.424min 8.538ug/L m
response 100718

VMT 8/19/10

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV081910K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 08/19/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				79
Surrogate % Recovery (2,5-Dibromotoluene) FID				76
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**MBV081910K**
Data File Name	K28594B.D
Date Acquired	8/19/2010 16:35
Misc Info	100,10.00,SOIL ✓
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00** ✓
% Solid (divided by 100)	**1.0000**
% Moisture (divided by 100)	0.0000
Vol. entrained water (mL)	0.0000
Total MeOH/water vol (mL)	10.0000
Dilution Factor	50.00
Moisture Corrected Dilution Factor	50.00

BB 8/20/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2500	
Unadjusted C9-C12 Aliphatics	U		2500	
Benzene	U		100	
Ethylbenzene	U		100	
Methyl-t-butylether	U		100	
Naphthalene	U		100	ND
Toluene	U		100	
m,p-Xylenes	U		200	
o-Xylene	U		100	
C5-C8 Aliphatic Hydrocarbons	U		2500	
C9-C12 Aliphatic Hydrocarbons	U		2500	
C9-C10 Aromatic Hydrocarbons	U		500	
PID Surrogate % Recovery	79%		70-130%	PASS ✓
FID Surrogate % Recovery	76%		70-130%	PASS ✓

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	33.35 ✓	0.00	244252						0
C9-C12 ALIPHATICS	14.53 ✓	0.00	103616						0
2,5-Dibromotoluene	75.56		222243						
PID RESULTS									
Methyl-t-butylether #2	0.26	0.00	1232	2.166	2.183	0.0477	OK	0.00	0
Benzene #2	0.74	0.00	9576	3.513	3.512	0.0380	OK	0.00	0
Toluene #2	0.82	0.00	9761	4.882	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.79	0.00	8607	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	1.11	0.00	13888	6.188	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.47	0.00	5282	6.558	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.86	0.00	8751	10.246	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	9.90 ✓	0.00	116784						0
2,5-Dibromotoluene #2	78.80		621964						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

VMT 8/23/10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28594B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 4:35 pm
Operator : JJL
Sample : MBV081910K
Misc : 100,10.00,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:25:53 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
18)	S	2,5-Dibro...	11.355	11.355	222243	621964	75.559	78.800
		Spiked Amount 100.000 Range 70 - 130 Recovery = 75.56% 78.80%						
		Target Compounds						
2)	Z	2-Methylp...	2.001	2.056	8489	2470	1.037	NoCal #
3)	TM	Methyl-t-...	2.181	2.166	395	1232	NoCal	0.264 #
4)	Z	2,2,4-Tri...	3.263	3.273	516	1318	0.067	NoCal #
5)	TM	Benzene	3.516	3.513	7495	9576	NoCal	0.736 #
6)	TM	Toluene	4.883	4.882	5220	9761	NoCal	0.818 #
7)	XH	C5-C8 ALI...	3.717	0.000	244252	0	33.347	N.D. #
9)	TM	Ethylbenzene	6.122	6.121	5990	8607	NoCal	0.788 #
10)	TM	m,p-Xylene	6.188	6.188	10543	13888	NoCal	1.107 #
11)	TM	o-Xylene	6.558	6.558	4538	5282	NoCal m	0.472m#
12)	Z	n-Decane	7.152	7.156	6960	4335	1.009	NoCal #
13)	Z	n-Butylcy...	7.822	7.829	4417	4483	0.600	NoCal #
14)	XH	C9-C12 AL...	8.070	0.000	103616	0	14.534	N.D. #
15)	ZM	1,2,4-Tri...	7.715	7.718	6858	10140	NoCal	0.860 #
16)	XH	C9-C10 AR...	10.410	8.424	6	116784	NoCal	9.900 #
17)	TM	Naphthalene	10.246	10.246	4139	8751	NoCal	0.859 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMM 8/23/10

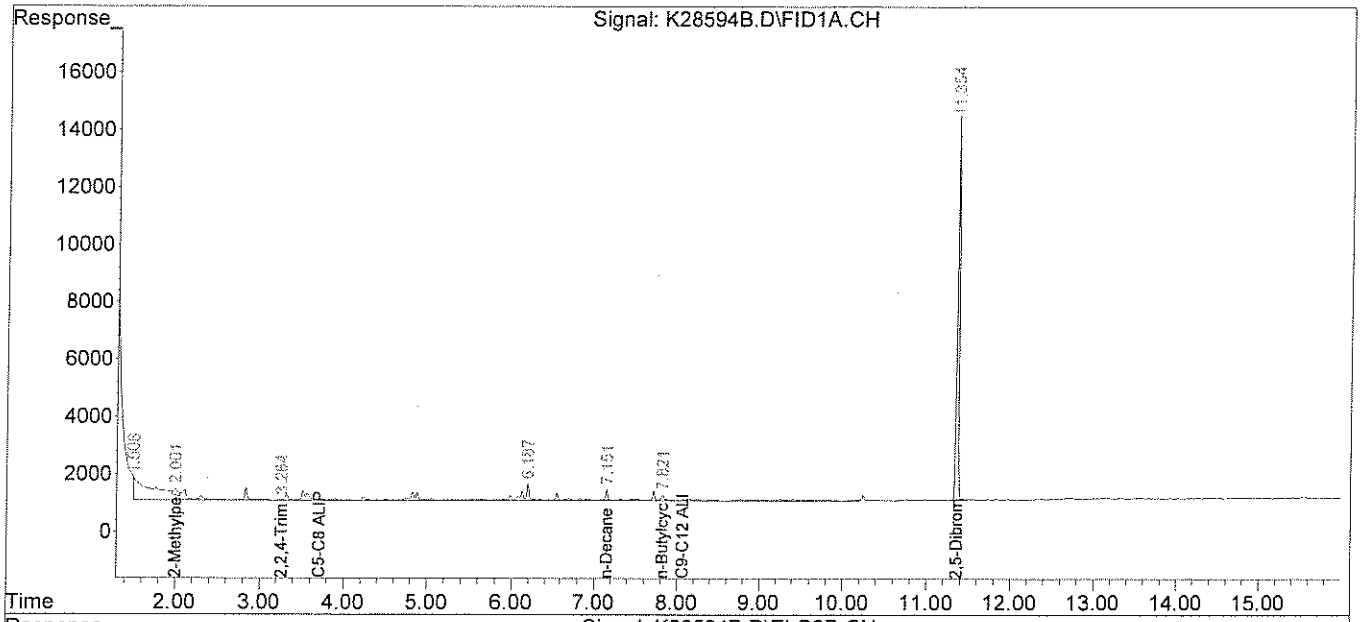
Quantitation Report (QT Reviewed)

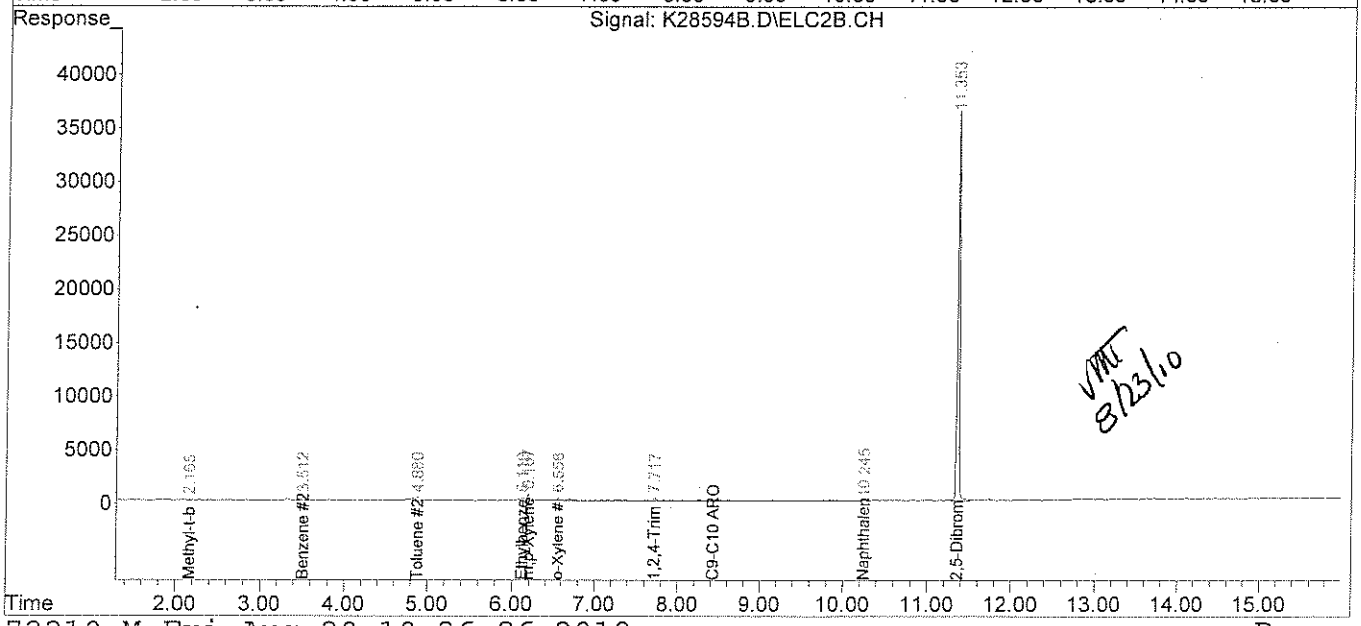
Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28594B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 4:35 pm
Operator : JJL
Sample : MBV081910K
Misc : 100,10.00,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:25:53 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/23/10

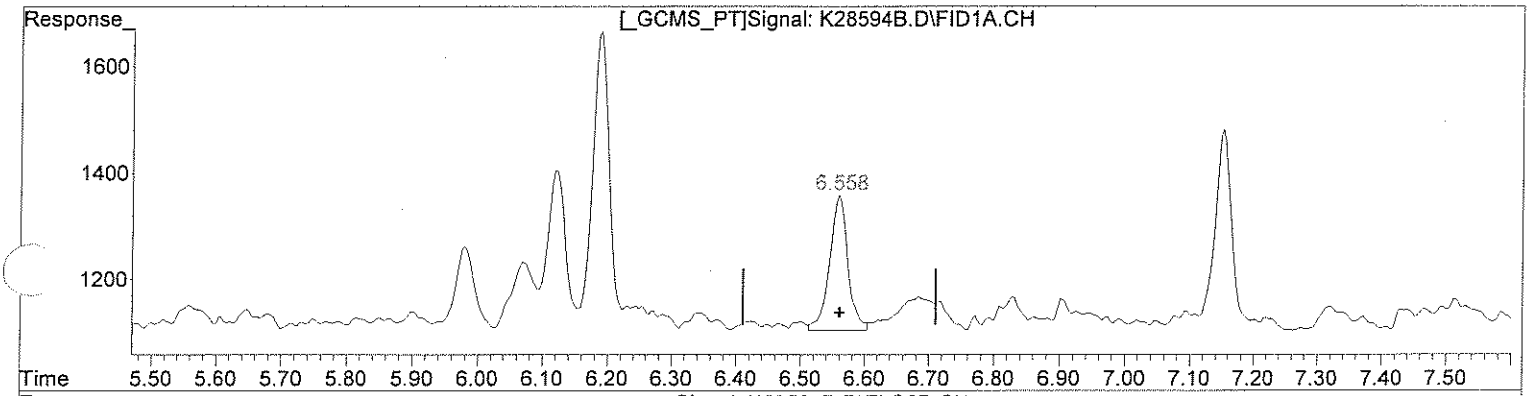
Quantitation Report (QedIt)

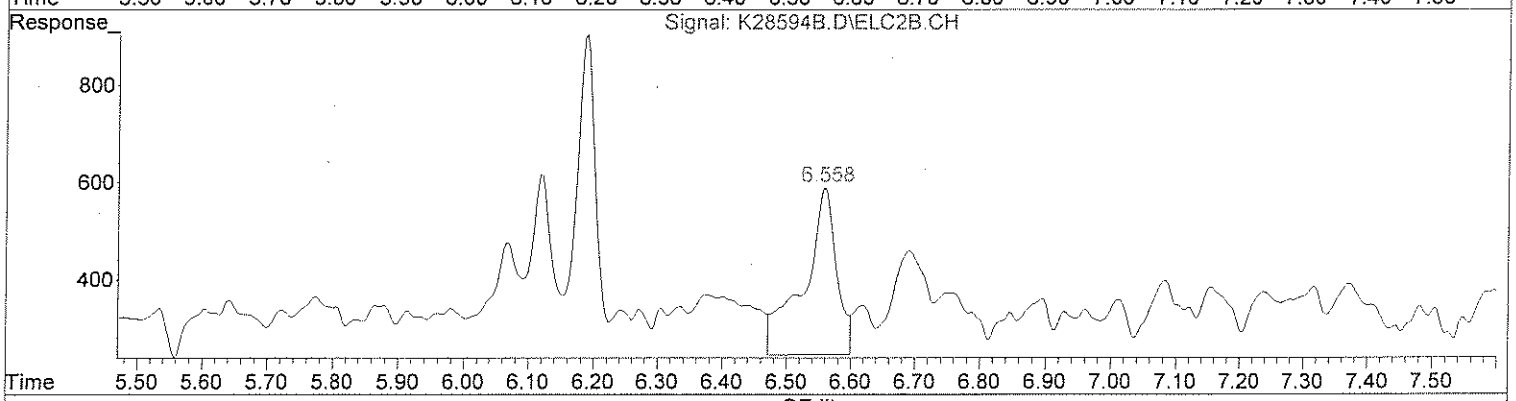
Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28594B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 4:35 pm
Operator : JJL
Sample : MBV081910K
Misc : 100,10.00,SOIL
ALS Vial : 13 Sample Multiplier: 1

8/20/10 *E.A.

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:24:37 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(11) o-Xylene (TM)
6.560min 0.000ug/L
response 4964

(11) o-Xylene #2 (TM)
6.560min 1.093ug/L
response 12222

VMT 8/23/10

(+) = Expected Retention Time

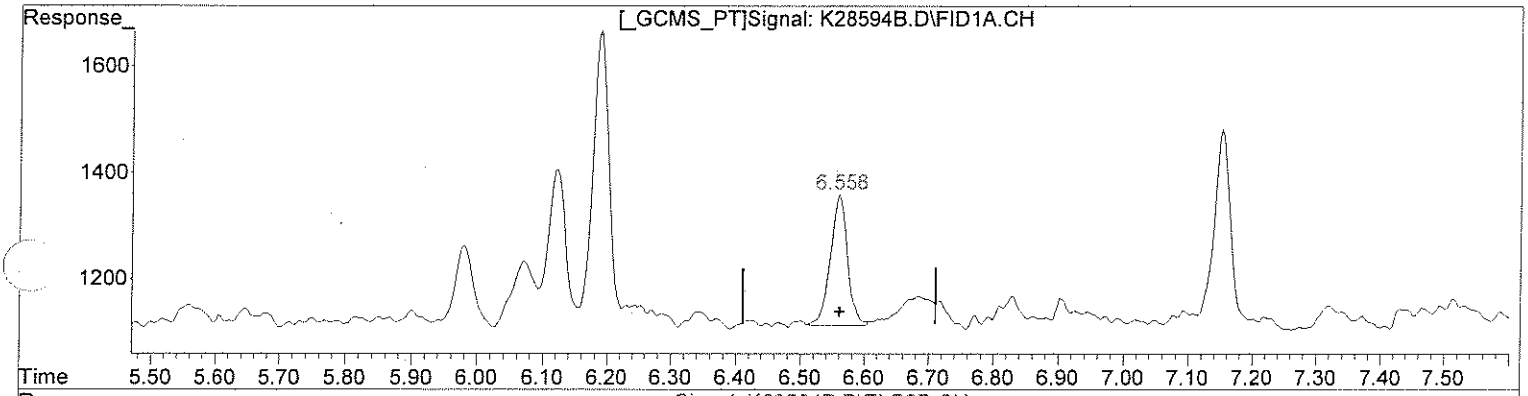
Quantitation Report (Qedit)

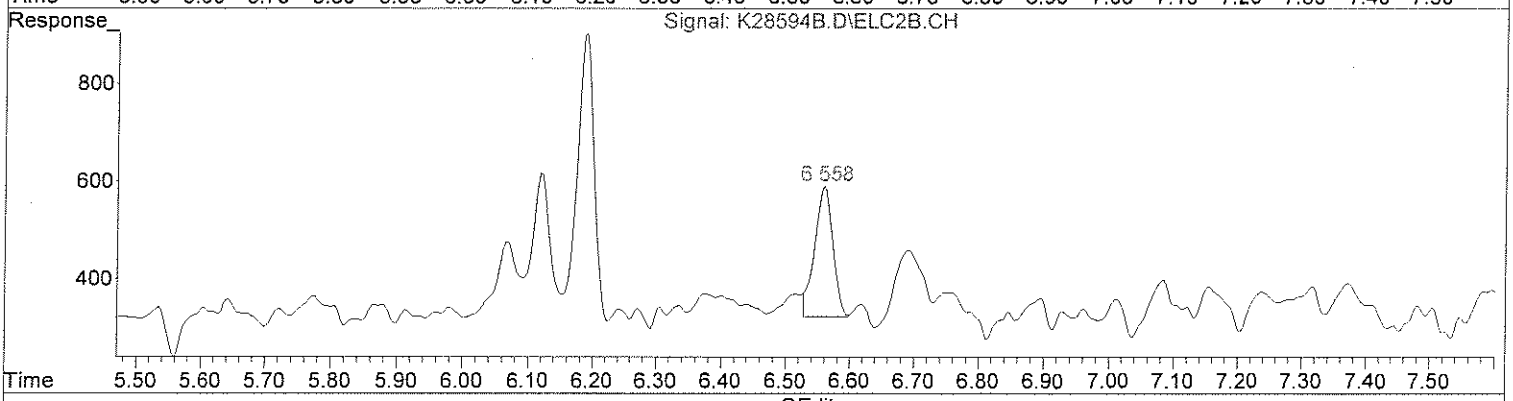
Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28594B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 4:35 pm
Operator : JJL
Sample : MBV081910K
Misc : 100,10.00,SOIL
ALS Vial : 13 Sample Multiplier: 1

88 8/20/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:24:37 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(11) o-Xylene (TM)
6.558min 0.000ug/L m
response 4538

(11) o-Xylene #2 (TM)
6.558min 0.472ug/L m
response 5282

VMT 8/23/10

(+) = Expected Retention Time

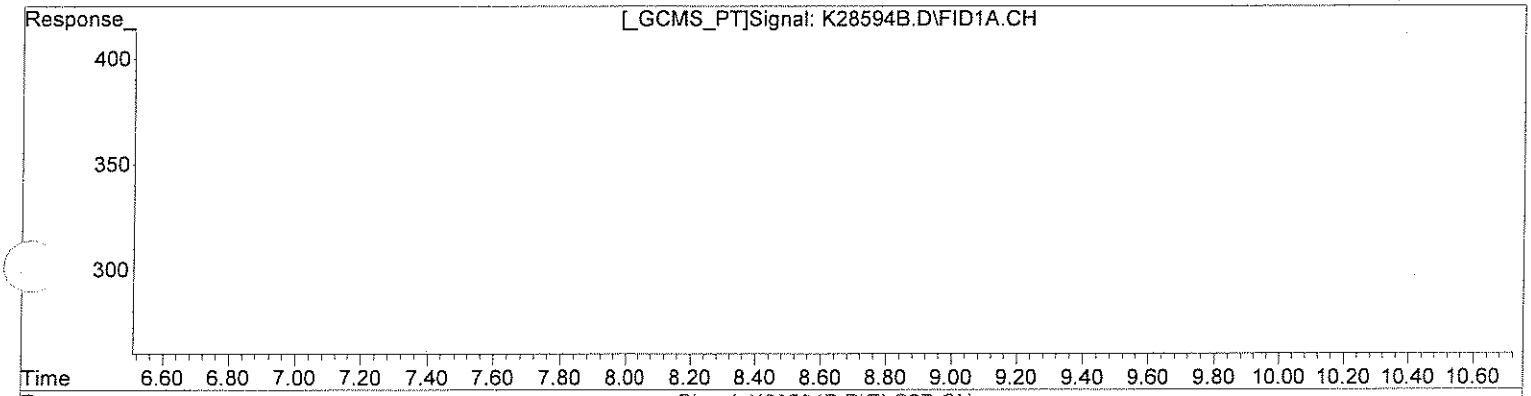
Quantitation Report (Qedit)

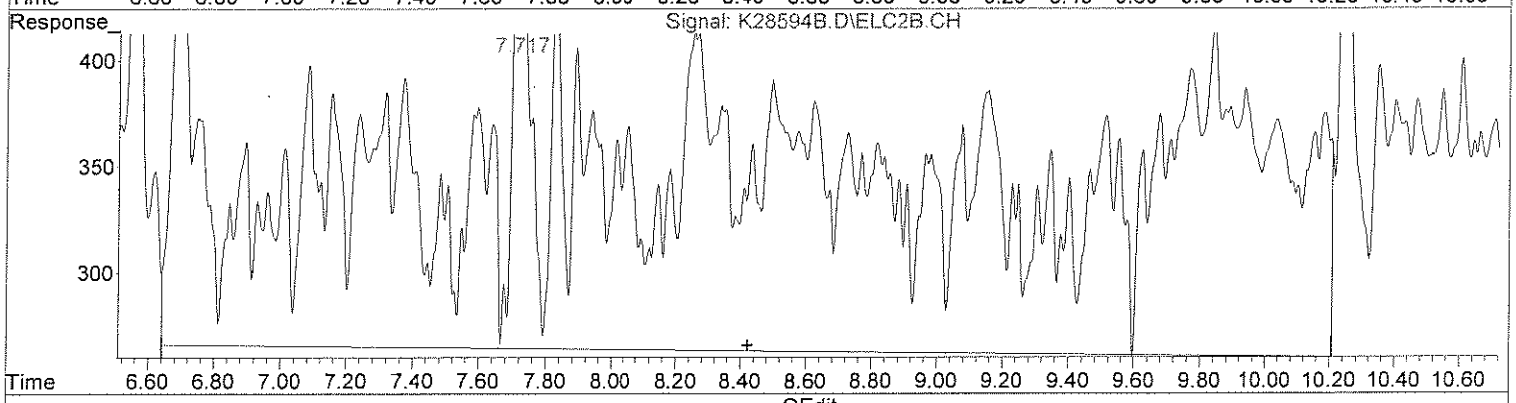
Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28594B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 4:35 pm
Operator : JJL
Sample : MBV081910K
Misc : 100,10.00,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:24:37 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 8/20/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 6

(16) C9-C10 AROMATICS #2 (XH)
8.424min 15.602ug/L m
response 184042

VMT 8/23/10

(+) = Expected Retention Time

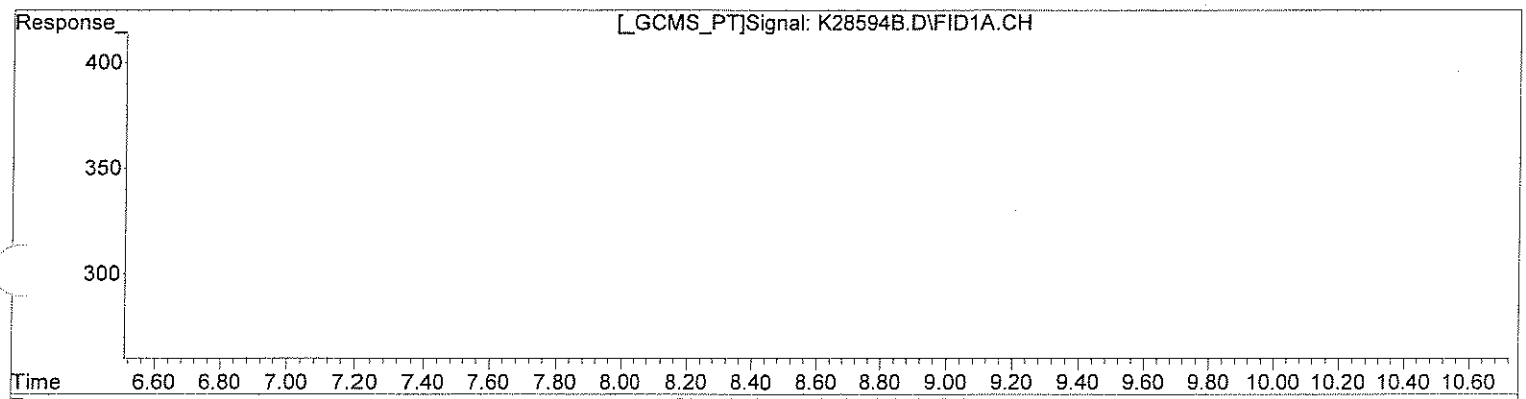
Quantitation Report (Qedit)

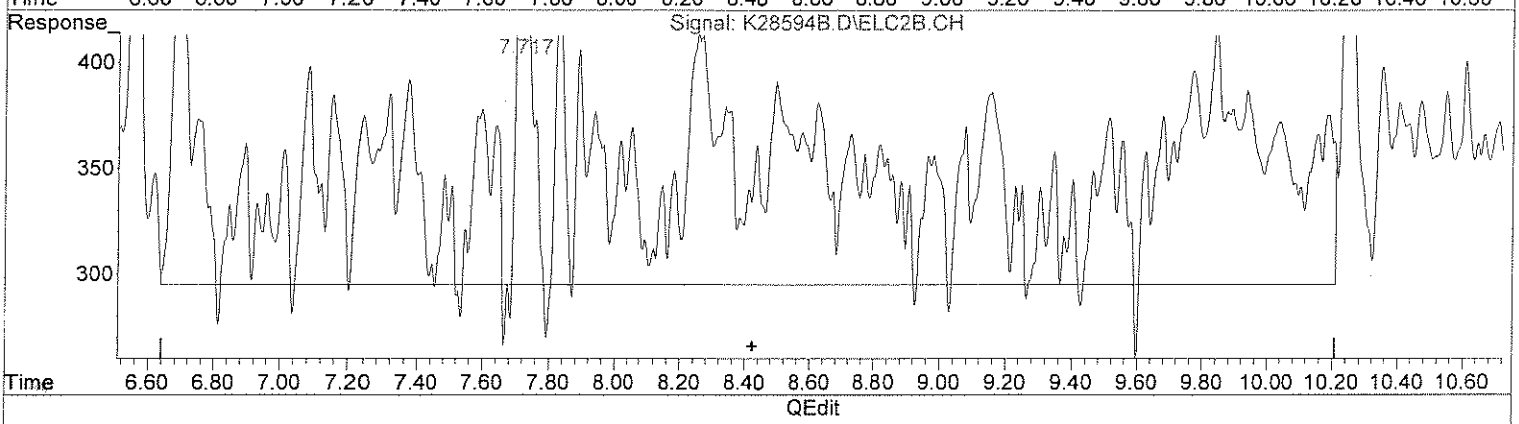
Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28594B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 4:35 pm
Operator : JJL
Sample : MBV081910K
Misc : 100,10.00,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:24:37 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 6

(16) C9-C10 AROMATICS #2 (XH)
8.424min 9.900ug/L m
response 116784

VMT 8/23/10

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

August 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LRA-6-A

SAMPLE DATA

Lab Sample ID: 67514-1
Matrix: Solid
Percent Solid: 81
Dilution Factor: 92.6
Collection Date: 08/12/10
Lab Receipt Date: 08/13/10
Analysis Date: 08/19/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	4630	µg/kg	**19300**
Unadjusted C9-C12 Aliphatics[1]	N/A	4630	µg/kg	**24100**
Benzene	C5-C8	190	µg/kg	U
Ethylbenzene	C9-C12	190	µg/kg	U
Methyl-tert-butyl ether	C5-C8	190	µg/kg	U
Naphthalene	N/A	190	µg/kg	**448**
Toluene	C5-C8	190	µg/kg	U
m- & p-Xylenes	C9-C12	370	µg/kg	**1440**
o-Xylene	C9-C12	190	µg/kg	**1000**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	4630	µg/kg	**19300**
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	4630	µg/kg	**9900**
C9-C10 Aromatic Hydrocarbons[1]	N/A	930	µg/kg	**11700**
Surrogate % Recovery (2,5-Dibromotoluene) PID				67*
Surrogate % Recovery (2,5-Dibromotoluene) FID				64*
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a moisture corrected and dry weight basis.* Surrogate recovery outside of laboratory acceptance criteria. Sample was reanalyzed with similar results.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67514-1**
Data File Name	K28595.D
Date Acquired	8/19/2010 17:00
Misc Info	100,7.63,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	7.63
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.8103**
% Moisture (divided by 100)	0.1897
Vol. entrained water (mL)	1.4474
Total MeOH/water vol (mL)	11.4474
Dilution Factor	80.87
Moisture Corrected Dilution Factor	92.58

8/20/10
* Failure of Surrogate confirmed.

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	19343		4629	
Unadjusted C9-C12 Aliphatics	24067		4629	
Benzene	U		185	
Ethylbenzene	U		185	
Methyl-t-butylether	U		185	
Naphthalene	448		185	
Toluene	U		185	
m,p-Xylenes	1435		370	
o-Xylene	1001		185	
C5-C8 Aliphatic Hydrocarbons	19343		4629	
C9-C12 Aliphatic Hydrocarbons	9904		4629	
C9-C10 Aromatic Hydrocarbons	11727		926	
PID Surrogate % Recovery	67%		70-130%	FAIL
FID Surrogate % Recovery	64%		70-130%	FAIL

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	208.94	19343.08	1530401						19343
C9-C12 ALIPHATICS	259.96	24066.97	1853287						24067
2,5-Dibromotoluene	55.76		163999						
PID RESULTS									
Methyl-t-butylether #2	0.87	0.00	4059	2.167	2.183	0.0477	OK	0.00	0
Benzene #2	0.27	0.00	3514	3.571	3.512	0.0380	*	0.00	0
Toluene #2	0.61	0.00	7229	4.879	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.72	0.00	7856	6.116	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	15.50	1435.12	194487	6.187	6.190	0.0344	OK	1435.12	1435
o-Xylene #2	10.81	1000.79	120926	6.559	6.561	0.0344	OK	1000.79	1001
Naphthalene #2	4.84	448.44	49371	10.245	10.248	0.0344	OK	448.44	448
C9-C10 AROMATICS #2	126.68	11727.44	1494276						11727
2,5-Dibromotoluene #2	58.46		461412						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									19343
C9-C12 Aliphatic Hydrocarbons									9904

JB 8/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28595.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 5:00 pm
Operator : JJL
Sample : 67514-1
Misc : 100,7.63,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:26:38 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.355	11.355	163999	461412	55.757	58.459	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	55.76%#	58.46%#
	Target Compounds							
2) Z	2-Methylp...	2.004	2.008	31369	3876	3.833	NoCal	#
3) TM	Methyl-t-...	2.159	2.167	20268	4059	NoCal	0.870	#
4) Z	2,2,4-Tri...	3.260	3.259	60315	13195	7.816	NoCal	#
5) TM	Benzene	3.569	3.571	7344	3514	NoCal	0.270	#
6) TM	Toluene	4.878	4.879	6438	7229	NoCal	0.606	#
7) XH	C5-C8 ALI...	3.717	0.000	1530401	0	208.939	N.D.	#
9) TM	Ethylbenzene	6.091	6.116	36792	7856	NoCal	0.719	#
10) TM	m,p-Xylene	6.187	6.187	169217	194487	NoCal	15.502	#
11) TM	o-Xylene	6.559	6.559	122907	120926	NoCal	10.810	#
12) Z	n-Decane	7.151	7.140	10184	9314	1.477	NoCal	#
13) Z	n-Butylcy...	7.816	7.814	6978	9692	0.948	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	1853287	0	259.965	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.716	331909	342583	NoCal	29.042	#
16) XH	C9-C10 AR...	10.410	8.424	19	1494276	NoCal	126.677	#
17) TM	Naphthalene	10.246	10.245	34018	49371	NoCal	4.844	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

50230

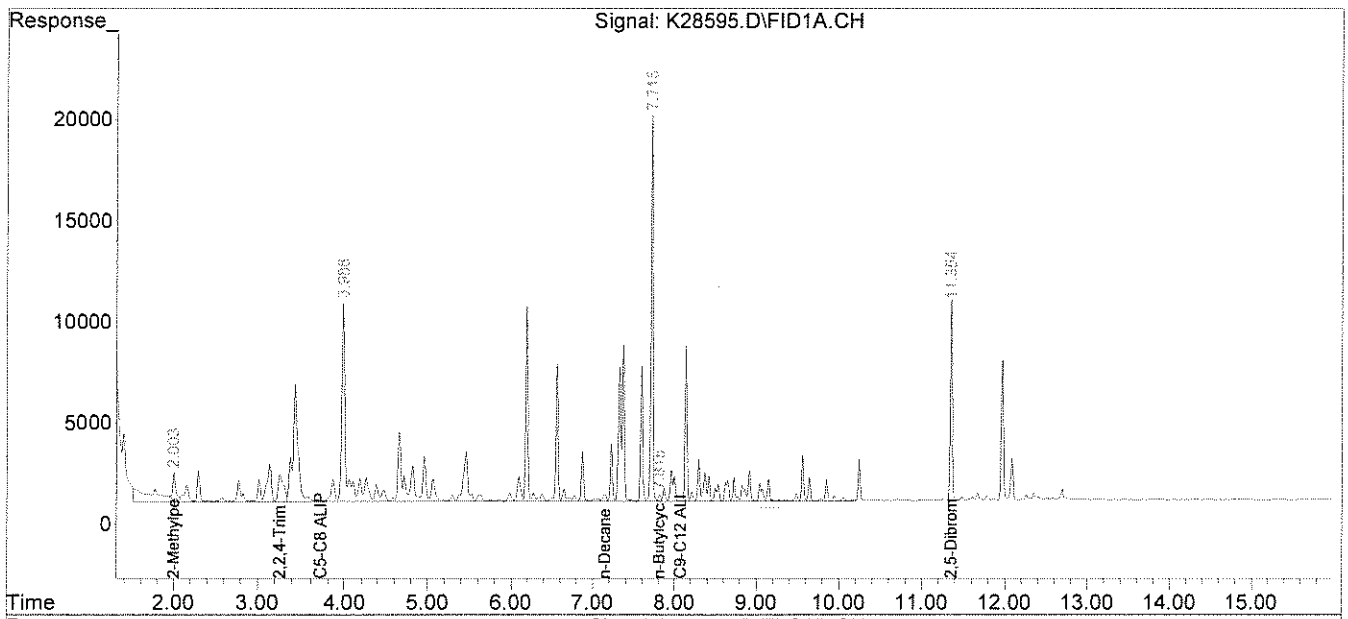
Quantitation Report (Not Reviewed)

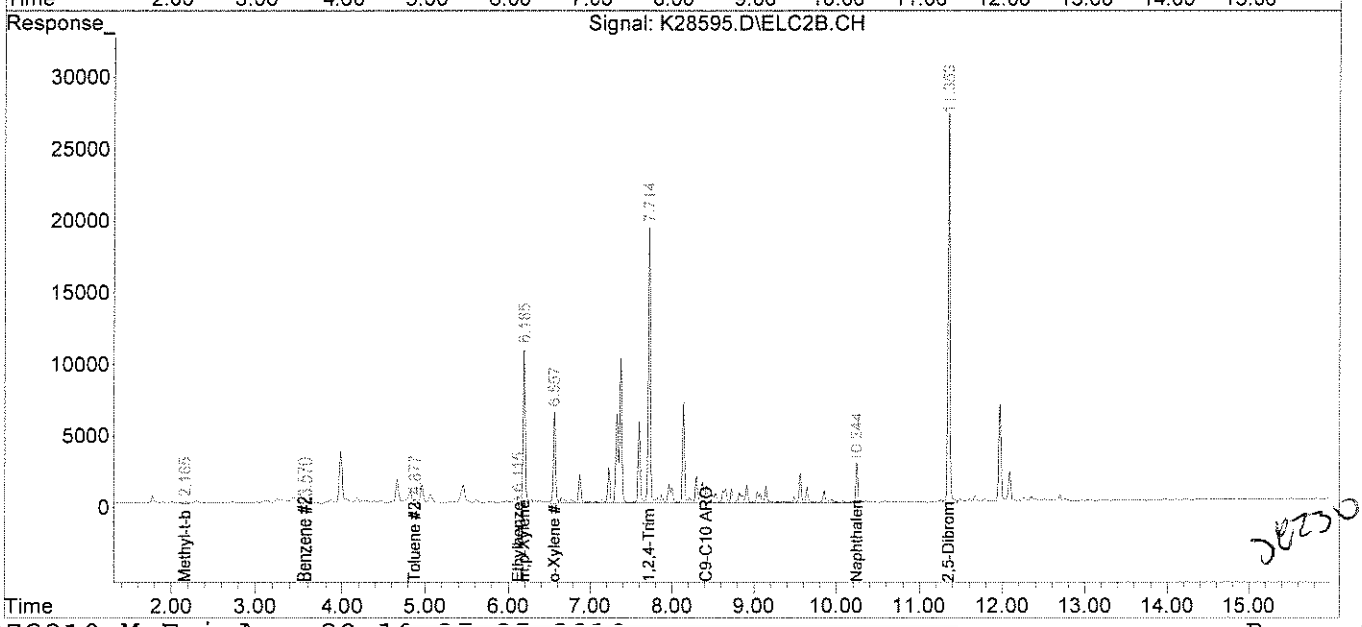
Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28595.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 5:00 pm
Operator : JJL
Sample : 67514-1
Misc : 100,7.63,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:26:38 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JE230

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

August 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LRA-10-A

SAMPLE DATA

Lab Sample ID: 67514-2
Matrix: Solid
Percent Solid: 96
Dilution Factor: 59.7
Collection Date: 08/11/10
Lab Receipt Date: 08/13/10
Analysis Date: 08/16/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2990	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2990	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	240	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2990	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2990	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	600	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				80
Surrogate % Recovery (2,5-Dibromotoluene) FID				78
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a moisture corrected and dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67514-2**
Data File Name	K28527.D
Date Acquired	8/16/2010 16:34
Misc Info	100,9.06,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	9.06
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9587**
% Moisture (divided by 100)	0.0413
Vol. entrained water (mL)	0.3742
Total MeOH/water vol (mL)	10.3742
Dilution Factor	57.57
Moisture Corrected Dilution Factor	59.72

88 8/17/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2986	
Unadjusted C9-C12 Aliphatics	U		2986	
Benzene	U		119	
Ethylbenzene	U		119	
Methyl-t-butylether	U		119	
Naphthalene	U		119	ND
Toluene	U		119	
m,p-Xylenes	U		239	
o-Xylene	U		119	
C5-C8 Aliphatic Hydrocarbons	U		2986	
C9-C12 Aliphatic Hydrocarbons	U		2986	
C9-C10 Aromatic Hydrocarbons	U		597	
PID Surrogate % Recovery	80%		70-130%	PASS
FID Surrogate % Recovery	78%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	31.64	0.00	231726						0
C9-C12 ALIPHATICS	8.14	0.00	58058						0
2,5-Dibromotoluene	75.45		221928						
PID RESULTS									
Methyl-t-butylether #2	0.39	0.00	1798	2.193	2.183	0.0477	OK	0.00	0
Benzene #2	0.37	0.00	4797	3.523	3.512	0.0380	OK	0.00	0
Toluene #2	0.19	0.00	2268	4.887	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.24	0.00	2591	6.117	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.36	0.00	4482	6.186	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.37	0.00	4186	6.562	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.20	0.00	2051	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	4.77	0.00	56281						0
2,5-Dibromotoluene #2	77.16		609039						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

J 6236

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28527.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 4:34 pm
Operator : MT
Sample : 67514-2
Misc : 100,9.06,SOIL
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 08:54:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

BB 8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	221928	609039	75.451	77.163	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	75.45%	77.16%
	Target Compounds							
2) Z	2-Methylp...	2.003	2.037	5490	2176	0.671	NoCal	#
3) TM	Methyl-t-...	0.000	2.193	0	1798	N.D.	0.386	#
4) Z	2,2,4-Tri...	3.321	3.278	6874	502	0.891	NoCal	#
5) TM	Benzene	3.524	3.523	3698	4797	NoCal	0.369	#
6) TM	Toluene	4.881	4.887	898	2268	NoCal	0.190	#
7) XH	C5-C8 ALI...	3.717	0.000	231726	0	31.636	N.D.	#
9) TM	Ethylbenzene	6.121	6.117	1289	2591	NoCal	0.237	#
10) TM	m,p-Xylene	6.187	6.186	1267	4482	NoCal	0.357	#
11) TM	o-Xylene	6.563	6.562	1148	4186	NoCal	0.374	#
12) Z	n-Decane	7.151	7.150	1424	1130	0.206	NoCal	#
13) Z	n-Butylcy...	7.823	7.887	738	4083	0.100	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	58058	0	8.144	N.D.	#
15) ZM	1,2,4-Tri...	7.713	7.723	1286	2985	NoCal	0.253	#
16) XH	C9-C10 AR...	10.410	8.424	10	56281	NoCal	4.771	#
17) TM	Naphthalene	10.245	10.244	1050	2051	NoCal	0.201	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

5072300

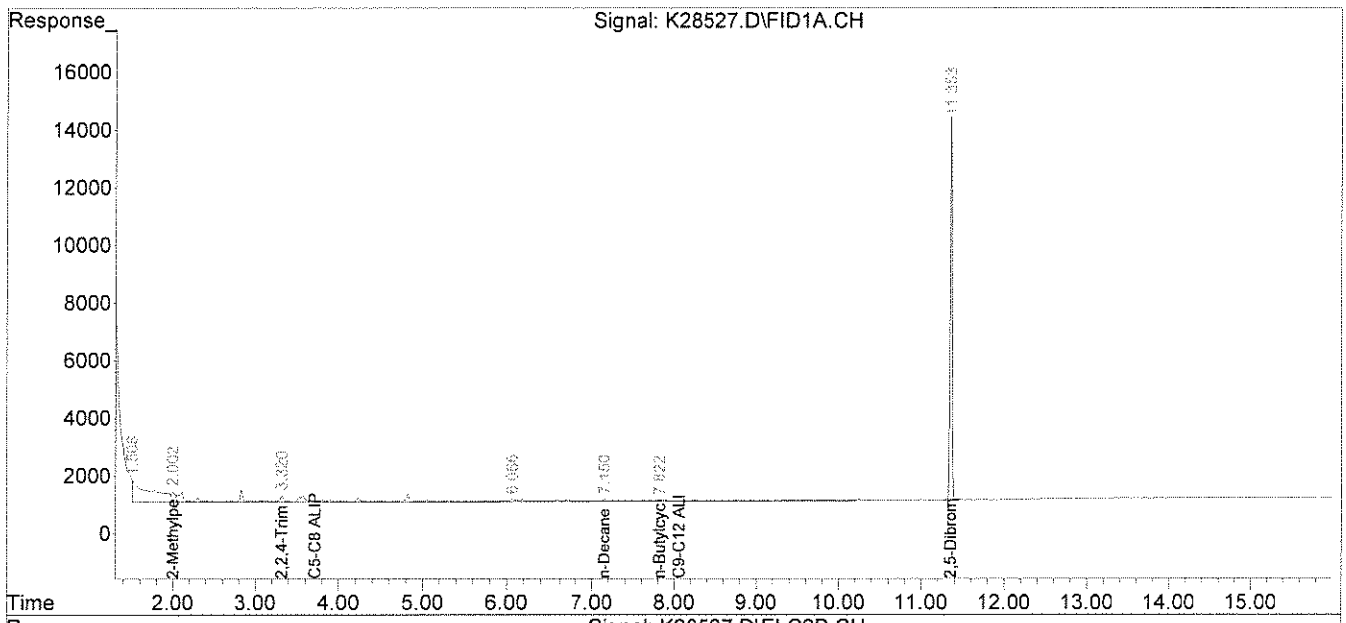
Quantitation Report (Not Reviewed)

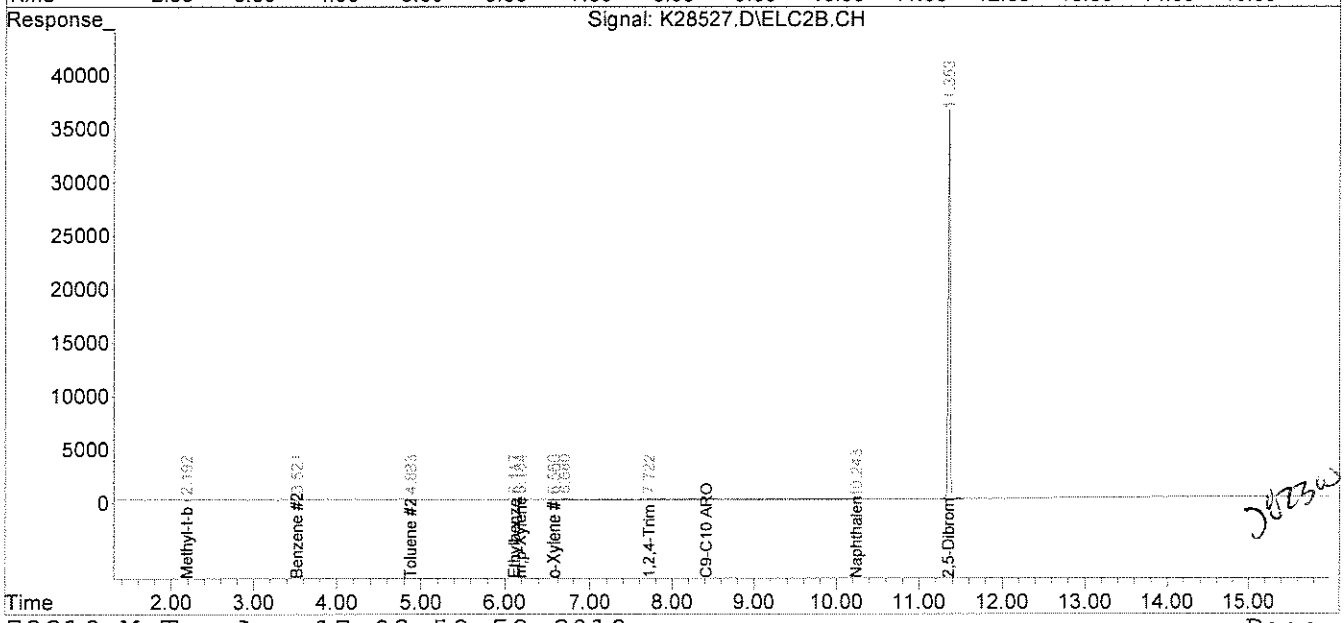
Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28527.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 4:34 pm
Operator : MT
Sample : 67514-2
Misc : 100,9.06,SOIL
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 08:54:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

August 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: Trip Blank

SAMPLE DATA

Lab Sample ID: 67514-3
Matrix: Solid
Percent Solid: 100
Dilution Factor: 50
Collection Date: 08/11/10- 08/12/10
Lab Receipt Date: 08/13/10
Analysis Date: 08/16/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				84
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a moisture corrected and dry weight basis.

Authorized signature: Mpl-bull

VPH SOIL REPORT

Sample Name	**67514-3**
Data File Name	K28524.D
Date Acquired	8/16/2010 14:51
Misc Info	100,10.00,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**1.0000**
% Moisture (divided by 100)	0.0000
Vol. entrained water (mL)	0.0000
Total MeOH/water vol (mL)	10.0000
Dilution Factor	50.00
Moisture Corrected Dilution Factor	50.00

SB 8/17/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2500	
Unadjusted C9-C12 Aliphatics	U		2500	
Benzene	U		100	
Ethylbenzene	U		100	
Methyl-t-butylether	U		100	
Naphthalene	U		100	ND
Toluene	U		100	
m,p-Xylenes	U		200	
o-Xylene	U		100	
C5-C8 Aliphatic Hydrocarbons	U		2500	
C9-C12 Aliphatic Hydrocarbons	U		2500	
C9-C10 Aromatic Hydrocarbons	U		500	
PID Surrogate % Recovery	88%		70-130%	PASS
FID Surrogate % Recovery	84%		70-130%	PASS

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	27.17	0.00	199000						0
C9-C12 ALIPHATICS	7.08	0.00	50478						0
2,5-Dibromotoluene	84.40		248243						
PID RESULTS									
Methyl-t-butylether #2	0.11	0.00	498	2.156	2.183	0.0477	OK	0.00	0
Benzene #2	0.25	0.00	3260	3.523	3.512	0.0380	OK	0.00	0
Toluene #2	0.17	0.00	1986	4.882	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.12	0.00	1319	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.21	0.00	2593	6.186	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.25	0.00	2783	6.563	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.15	0.00	1532	10.245	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	4.84	0.00	57083						0
2,5-Dibromotoluene #2	87.90		693801						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

JBZ3W

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28524.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 2:51 pm
Operator : MT
Sample : 67514-3
Misc : 100,10.00,SOIL
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 08:54:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	248243	693801	84.398	87.902	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	84.40%	87.90%
	Target Compounds							
2) Z	2-Methylp...	2.003	1.997	7970	112	0.974	NoCal	#
3) TM	Methyl-t-...	0.000	2.156	0	498	N.D.	0.107	#
4) Z	2,2,4-Tri...	3.320	3.322	5159	5639	0.669	NoCal	#
5) TM	Benzene	3.523	3.523	3511	3260	NoCal	0.251	#
6) TM	Toluene	4.880	4.882	949	1986	NoCal	0.167	#
7) XH	C5-C8 ALI...	3.717	0.000	199000	0	27.169	N.D.	#
9) TM	Ethylbenzene	6.117	6.121	886	1319	NoCal	0.121	#
10) TM	m,p-Xylene	6.188	6.186	1081	2593	NoCal	0.207	#
11) TM	o-Xylene	6.565	6.563	2074	2783	NoCal	0.249	#
12) Z	n-Decane	7.152	7.151	1714	1703	0.249	NoCal	#
13) Z	n-Butylcy...	7.817	7.821	633	1221	0.086	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	50478	0	7.081	N.D.	#
15) ZM	1,2,4-Tri...	7.713	7.716	1166	1528	NoCal	0.130	#
16) XH	C9-C10 AR...	10.410	8.424	7	57083	NoCal	4.839	#
17) TM	Naphthalene	10.246	10.245	928	1532	NoCal	0.150	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

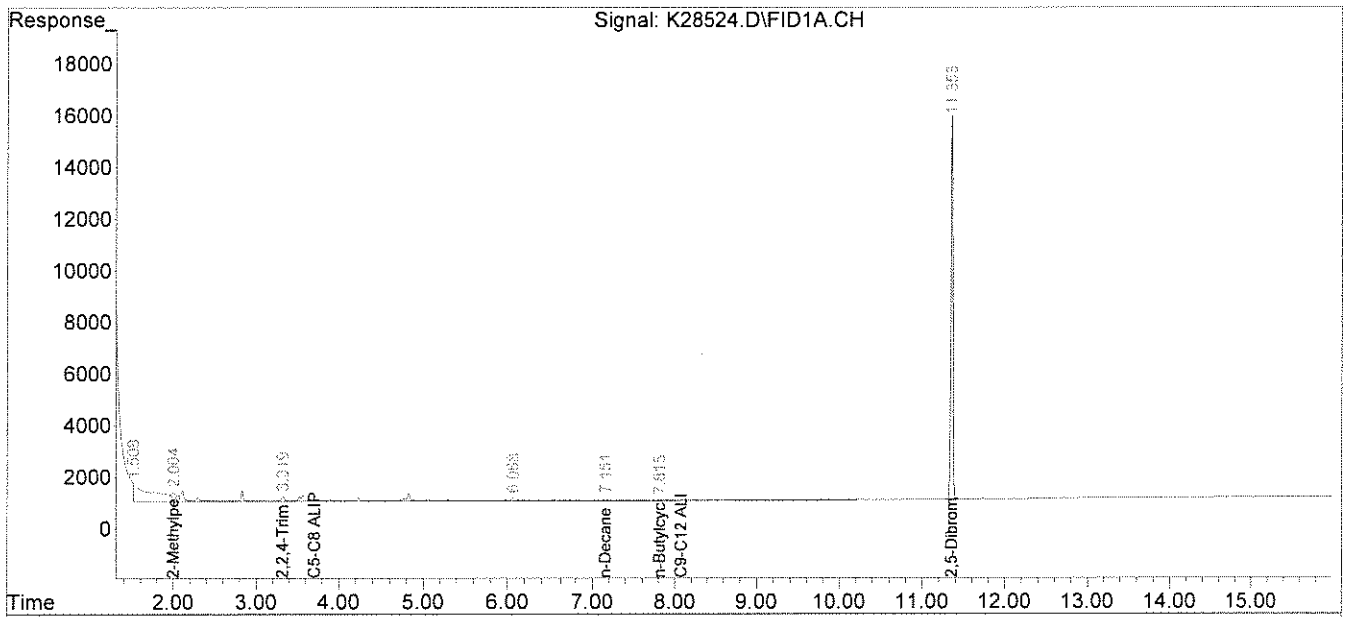
Quantitation Report (Not Reviewed)

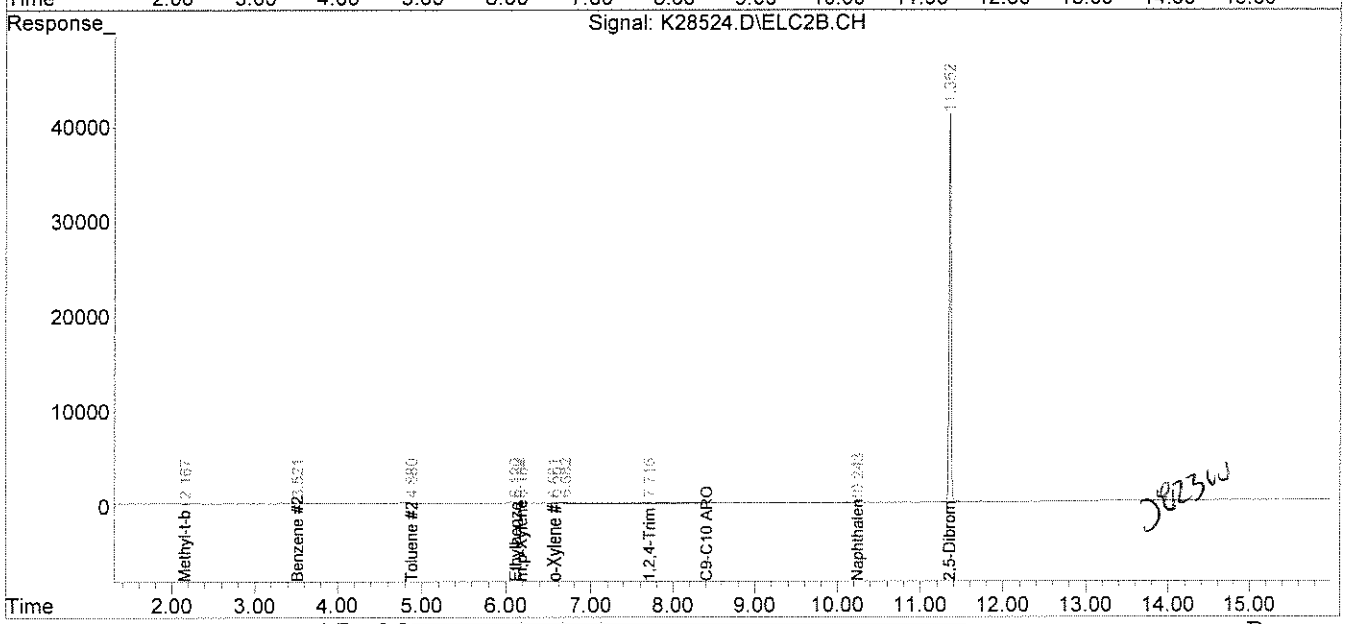
Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28524.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 2:51 pm
Operator : MT
Sample : 67514-3
Misc : 100,10.00,SOIL
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 08:54:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





382360

VPH
QC FORMS

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV081610K	81		85	
LSV081610K2	84		89	
MBV081610K	82		85	
67514-3	84		88	
67514-2	78		80	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV081710K	80		84	
LSV081710K2	83		86	
MBV081710K	73		76	
67514-2,MSD	98		103	

	Lower Limit	Upper Limit
SMC #1 = FID 2,5-Dibromotoluene	70	130
SMC #2 = PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV081810K,RR	75		79	
LSV081810K2,RR	77		81	
MBV081810K	71		74	
67514-2,MS	92		98	
67514-1,2X	70		74	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV081910K	81		86	
MBV081910K	76		79	
67514-1	64	*	67	*

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV081610K
Spike: LSV081610K
Spike duplicate: LSV081610K2

8/17/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4586	92		4893	98		6	
2-Methylpentane	5000	5000	70	130	25	0	4524	90		4825	97		6	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	4425	89		4710	94		6	
n-Decane	5000	5000	70	130	25	0	4832	97		5014	100		4	
n-Butylcyclohexane	5000	5000	70	130	25	0	4659	93		4835	97		4	
Methyl-t-butylether #2	5000	5000	70	130	25	0	3837	77		4148	83		8	
Benzene #2	5000	5000	70	130	25	0	4216	84		4480	90		6	
Toluene #2	5000	5000	70	130	25	0	4216	84		4480	90		6	
Ethylbenzene #2	5000	5000	70	130	25	0	4148	83		4408	88		6	
m,p-Xylene #2	10000	10000	70	130	25	0	8511	85		9031	90		6	
o-Xylene #2	5000	5000	70	130	25	0	4035	81		4312	86		7	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4118	82		4408	88		7	
Naphthalene #2	5000	5000	70	130	25	0	4013	80		4165	83		4	
C5-C8 Aliphatics	15000	15000	70	130	25	0	13535	90		14429	96		6	
C9-C12 Aliphatics	10000	10000	70	130	25	0	9491	95		9848	98		4	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4118	82		4408	88		7	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VMT 8/19/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28516Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 10:43 am
Operator : MT
Sample : LSV081610K
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 16 11:26:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.354	238889	672263	81.218	85.173	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 81.22% 85.17%							
		Target Compounds							
1)	Z	Pentane	1.564	1.563	641747	9807	91.712	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	740511	28911	90.474	NoCal	#
3)	TM	Methyl-t-...	2.180	2.179	350059	357888	NoCal	76.742	#
4)	Z	2,2,4-Tri...	3.282	3.282	682981	141635	88.505	NoCal	#
5)	TM	Benzene	3.510	3.510	944682	1097288	NoCal	84.327	#
6)	TM	Toluene	4.882	4.882	927968	1005550	NoCal	84.319	#
7)	XH	C5-C8 ALI...	3.717	0.000	4509907	0	615.717	N.D.	#
9)	TM	Ethylbenzene	6.122	6.122	930569	906546	NoCal	82.969	#
10)	TM	m,p-Xylene	6.189	6.188	1880743	2135684	NoCal	170.227	#
11)	TM	o-Xylene	6.559	6.558	935175	902764	NoCal	80.704	#
12)	Z	n-Decane	7.153	7.152	666521	96327	96.644	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	685919	389439	93.178	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	6735661	0	944.826	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	948182	971478	NoCal	82.357	#
16)	XH	C9-C10 AR...	10.410	8.424	87	1556148	NoCal	131.922	#
17)	TM	Naphthalene	10.245	10.244	595167	818100	NoCal	80.266	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMT 8/19/10

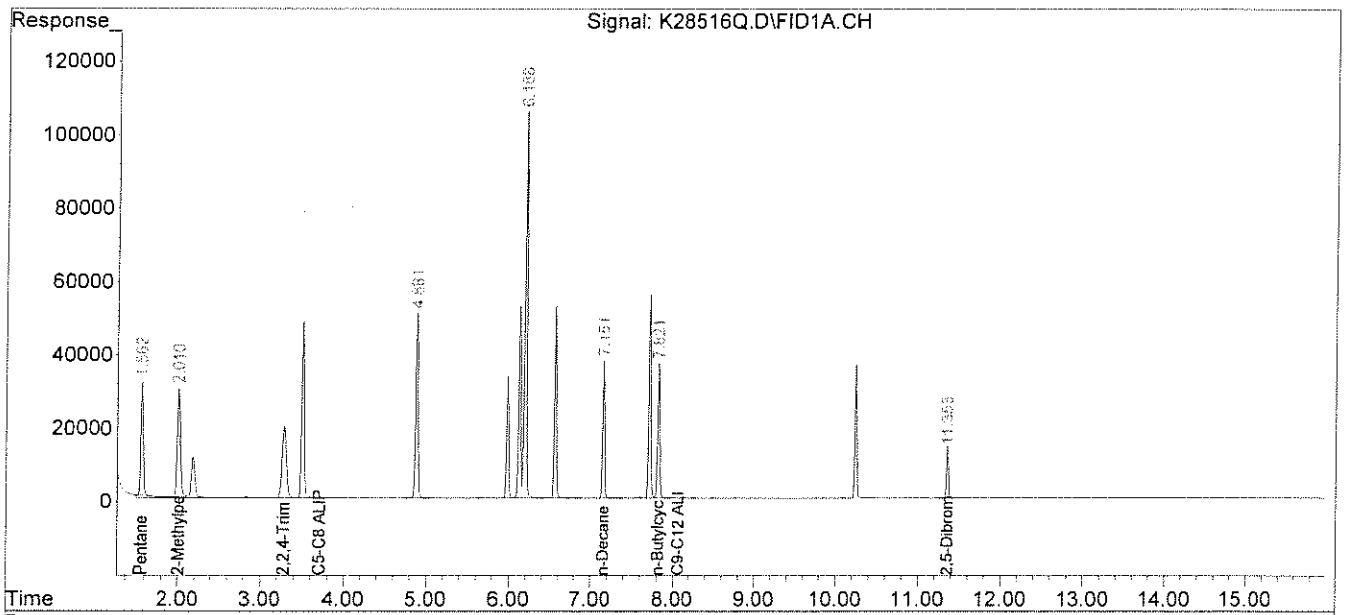
Quantitation Report (Not Reviewed)

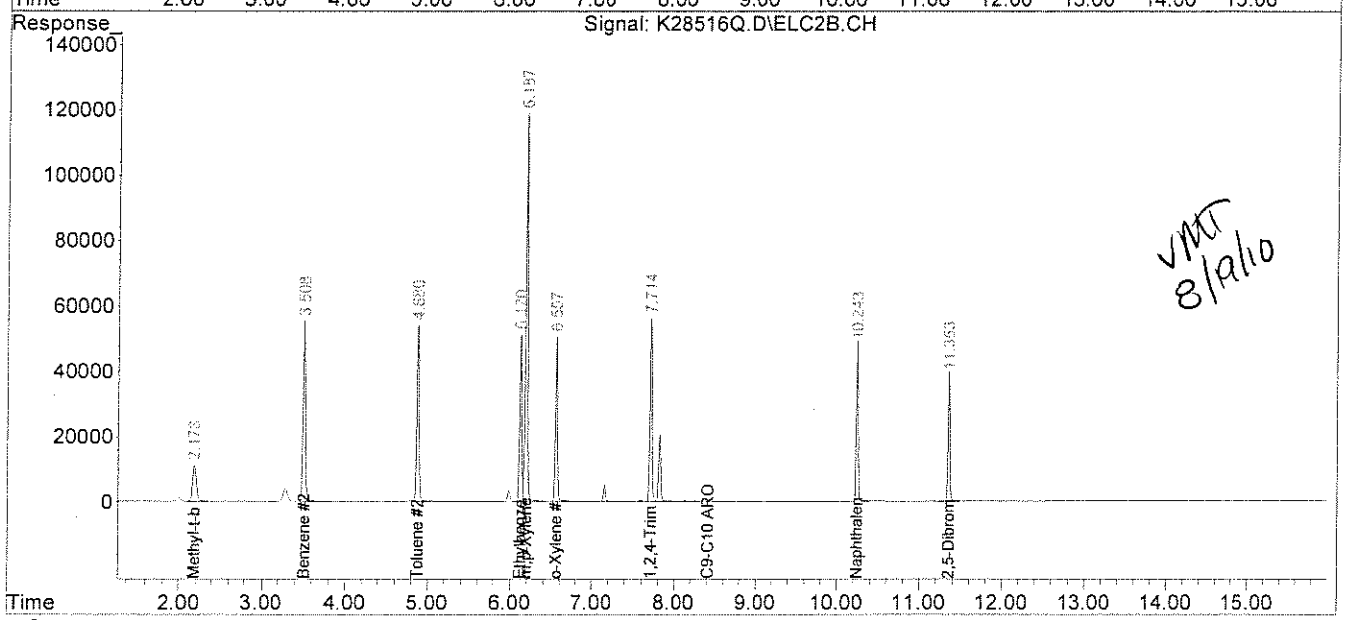
Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28516Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 10:43 am
Operator : MT
Sample : LSV081610K
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 16 11:26:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28517Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 11:08 am
Operator : MT
Sample : LSV081610K2
Misc : 100,10.00,SOIL
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 16 11:26:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.353	248441	700249	84.465	88.718	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	84.47%	88.72%
	Target Compounds							
1) Z	Pentane	1.563	1.565	684806	9386	97.866	NoCal	#
2) Z	2-Methylp...	2.011	2.011	789902	32862	96.509	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	374926	386913	NoCal	82.966	#
4) Z	2,2,4-Tri...	3.281	3.281	726912	152630	94.197	NoCal	#
5) TM	Benzene	3.510	3.509	1000649	1165778	NoCal	89.591	#
6) TM	Toluene	4.881	4.881	984929	1068452	NoCal	89.593	#
7) XH	C5-C8 ALI...	3.717	0.000	4793100	0	654.380	N.D.	#
9) TM	Ethylbenzene	6.122	6.121	984399	963209	NoCal	88.155	#
10) TM	m,p-Xylene	6.189	6.188	1990452	2266013	NoCal	180.615	#
11) TM	o-Xylene	6.559	6.558	995029	964656	NoCal	86.237	#
12) Z	n-Decane	7.152	7.152	691562	102584	100.275	NoCal	#
13) Z	n-Butylcy...	7.822	7.821	711783	409190	96.692	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	7089509	0	994.462	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	1009480	1039930	NoCal	88.160	#
16) XH	C9-C10 AR...	10.410	8.424	84	1646866	NoCal	139.612	#
17) TM	Naphthalene	10.245	10.244	620299	849014	NoCal	83.299	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMT 8/19/10

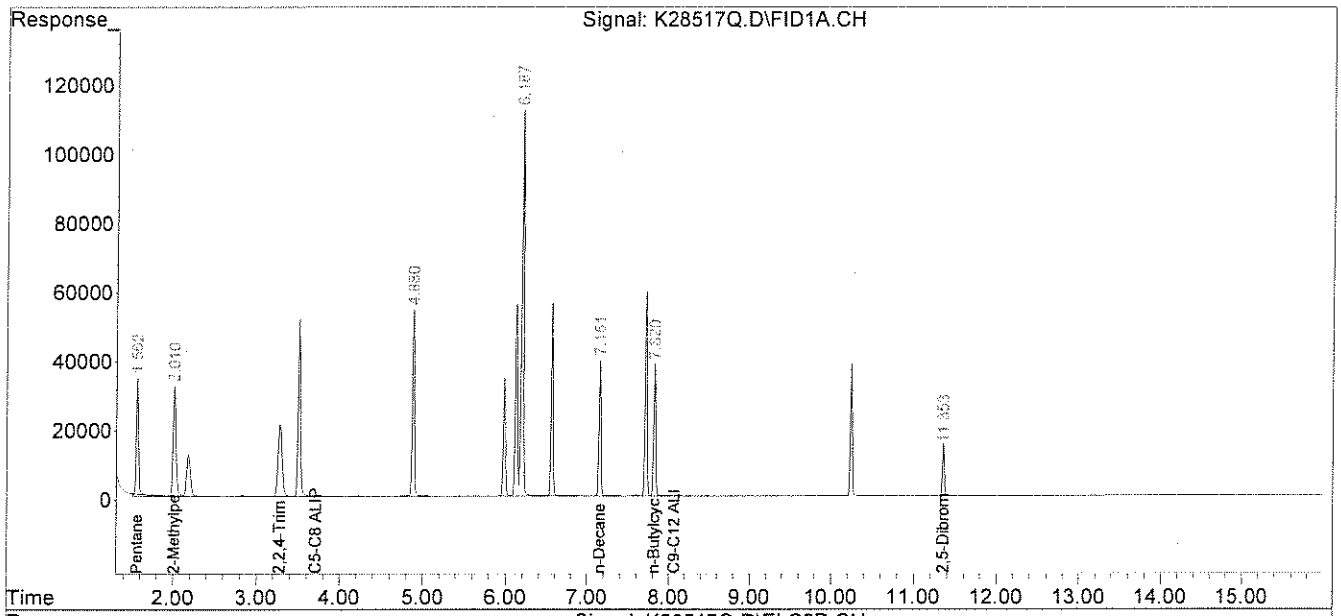
Quantitation Report (Not Reviewed)

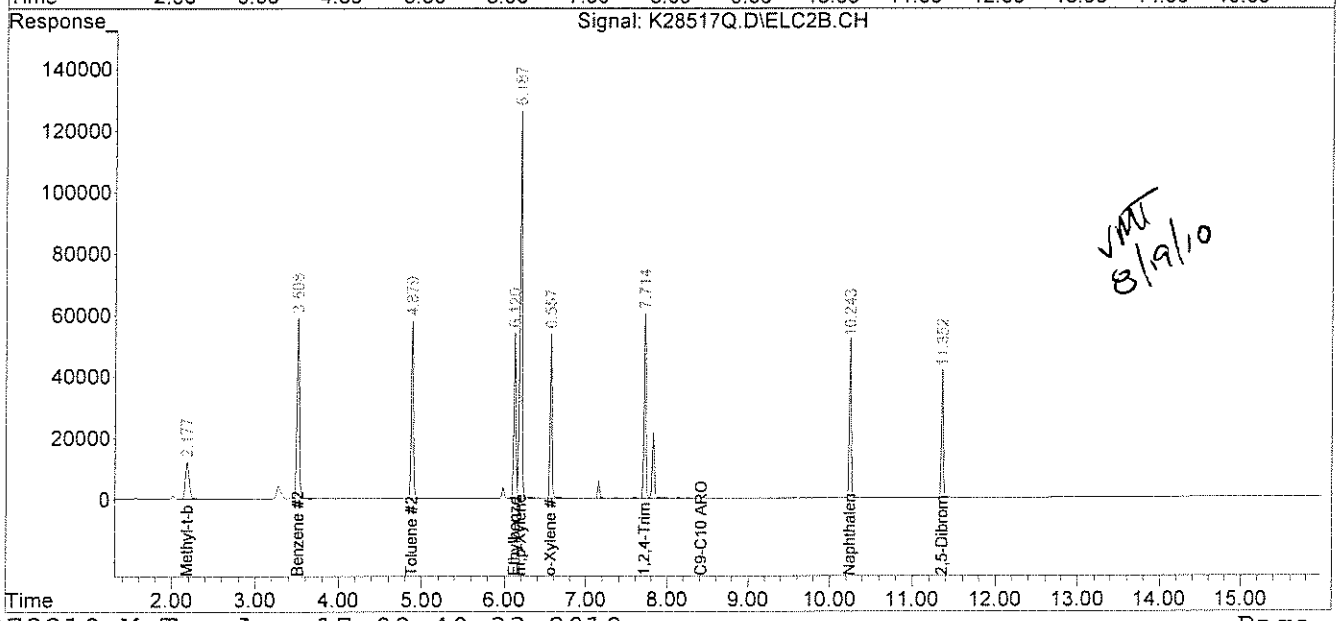
Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28517Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 11:08 am
Operator : MT
Sample : LSV081610K2
Misc : 100,10.00,SOIL
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 16 11:26:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV081710K
Spike: LSV081710K
Spike duplicate: LSV081710K2

gs 8/18/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4742	95		4663	93		2	
2-Methylpentane	5000	5000	70	130	25	0	4658	93		4582	92		2	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	4779	96		4678	94		2	
n-Decane	5000	5000	70	130	25	0	4853	97		4881	98		1	
n-Butylcyclohexane	5000	5000	70	130	25	0	4683	94		4671	93		0	
Methyl-t-butylether #2	5000	5000	70	130	25	0	3957	79		3943	79		0	
Benzene #2	5000	5000	70	130	25	0	4311	86		4297	86		0	
Toluene #2	5000	5000	70	130	25	0	4302	86		4316	86		0	
Ethylbenzene #2	5000	5000	70	130	25	0	4222	84		4233	85		0	
m,p-Xylene #2	10000	10000	70	130	25	0	8662	87		8643	86		0	
o-Xylene #2	5000	5000	70	130	25	0	4131	83		4160	83		1	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4217	84		4244	85		1	
Naphthalene #2	5000	5000	70	130	25	0	3863	77		3902	78		1	
C5-C8 Aliphatics	15000	15000	70	130	25	0	14178	95		13924	93		2	
C9-C12 Aliphatics	10000	10000	70	130	25	0	9536	95		9552	96		0	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4217	84		4244	85		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

JMT 8/19/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081710-K\
Data File : K28540Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 17 Aug 2010 12:24 pm
Operator : MT
Sample : LSV081710K
Misc : 100,10.00,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 12:41:22 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 8/18/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.355	11.354	234473	663350	79.717	84.044	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	79.72%	84.04%
	Target Compounds							
1) Z	Pentane	1.562	1.562	663582	10988	94.832	NoCal	#
2) Z	2-Methylp...	2.011	2.011	762424	30732	93.152	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	360031	369048	NoCal	79.135	#
4) Z	2,2,4-Tri...	3.282	3.282	737551	154520	95.576	NoCal	#
5) TM	Benzene	3.510	3.509	966683	1121881	NoCal	86.217	#
6) TM	Toluene	4.882	4.881	950186	1026188	NoCal	86.049	#
7) XH	C5-C8 ALI...	3.717	0.000	4679982	0	638.936	N.D.	#
9) TM	Ethylbenzene	6.122	6.122	949721	922661	NoCal	84.444	#
10) TM	m,p-Xylene	6.189	6.189	1922386	2173475	NoCal	173.239	#
11) TM	o-Xylene	6.559	6.558	961161	924214	NoCal	82.621	#
12) Z	n-Decane	7.153	7.152	669380	98610	97.059	NoCal	#
13) Z	n-Butylcy...	7.822	7.821	689506	393919	93.666	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	6853054	0	961.293	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.716	973376	994979	NoCal	84.349	#
16) XH	C9-C10 AR...	10.410	8.424	39	1575304	NoCal	133.546	#
17) TM	Naphthalene	10.245	10.245	576870	787557	NoCal	77.269	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

MT 8/19/10

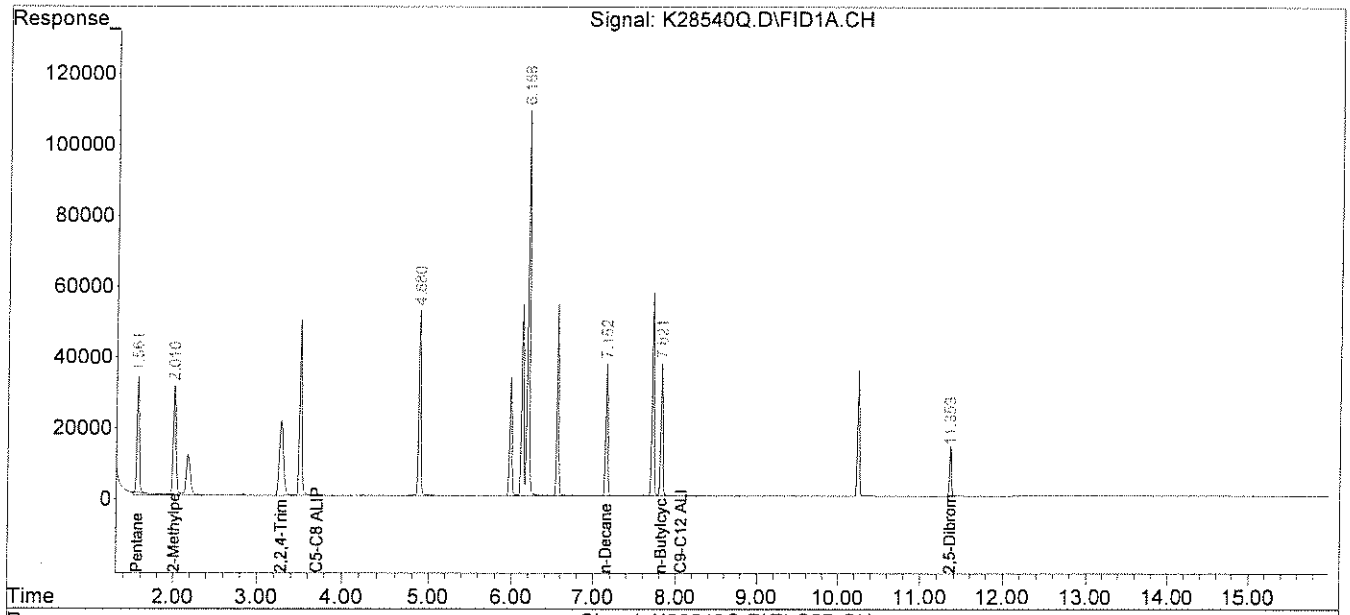
Quantitation Report (Not Reviewed)

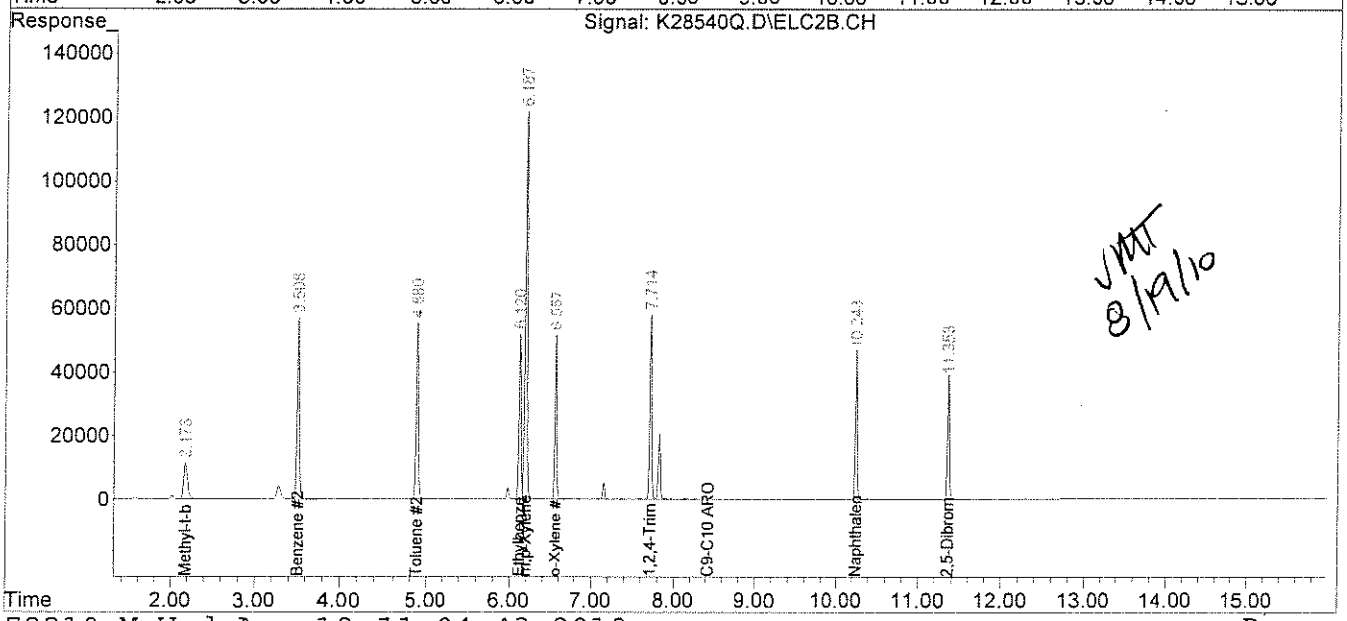
Data Path : C:\msdchem\1\DATA\081710-K\
Data File : K28540Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 17 Aug 2010 12:24 pm
Operator : MT
Sample : LSV081710K
Misc : 100,10.00,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 12:41:22 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/18/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081710-K\
Data File : K28541Q.D
Signal(s) : Signal #1: FIDlA.CH Signal #2: ELC2B.CH
Acq On : 17 Aug 2010 12:48 pm
Operator : MT
Sample : LSV081710K2
Misc : 100,10.00,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 13:19:48 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 8/18/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	242695	675468	82.512	85.579	
Spiked Amount	100.000 Range	70 - 130	Recovery	=	82.51%	85.58%		
	Target Compounds							
1) Z	Pentane	1.562	1.563	652625	9783	93.267	NoCal	#
2) Z	2-Methylp...	2.011	2.011	750093	28717	91.645	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	363628	367762	NoCal	78.859	#
4) Z	2,2,4-Tri...	3.282	3.282	721986	148700	93.559	NoCal	#
5) TM	Benzene	3.510	3.510	975398	1118220	NoCal	85.936	#
6) TM	Toluene	4.882	4.881	958014	1029304	NoCal	86.311	#
7) XH	C5-C8 ALI...	3.717	0.000	4657667	0	635.890	N.D.	#
9) TM	Ethylbenzene	6.122	6.122	954773	925006	NoCal	84.659	#
10) TM	m,p-Xylene	6.189	6.189	1937109	2168783	NoCal	172.865	#
11) TM	o-Xylene	6.559	6.558	971890	930786	NoCal	83.209	#
12) Z	n-Decane	7.152	7.152	673185	100563	97.611	NoCal	#
13) Z	n-Butylcy...	7.822	7.822	687754	393555	93.428	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	6893435	0	966.958	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.716	982122	1001294	NoCal	84.884	#
16) XH	C9-C10 AR...	10.410	8.424	64	1652567	NoCal	140.096	#
17) TM	Naphthalene	10.245	10.245	588233	795458	NoCal	78.044	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

MT 8/19/10

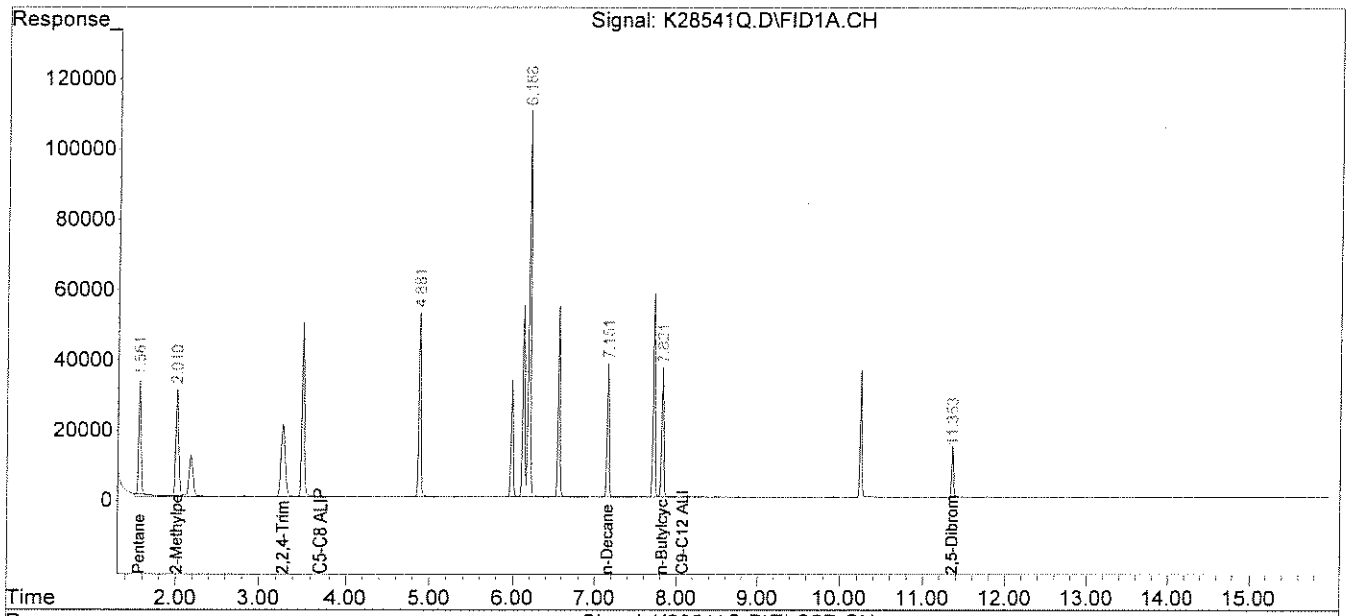
Quantitation Report (Not Reviewed)

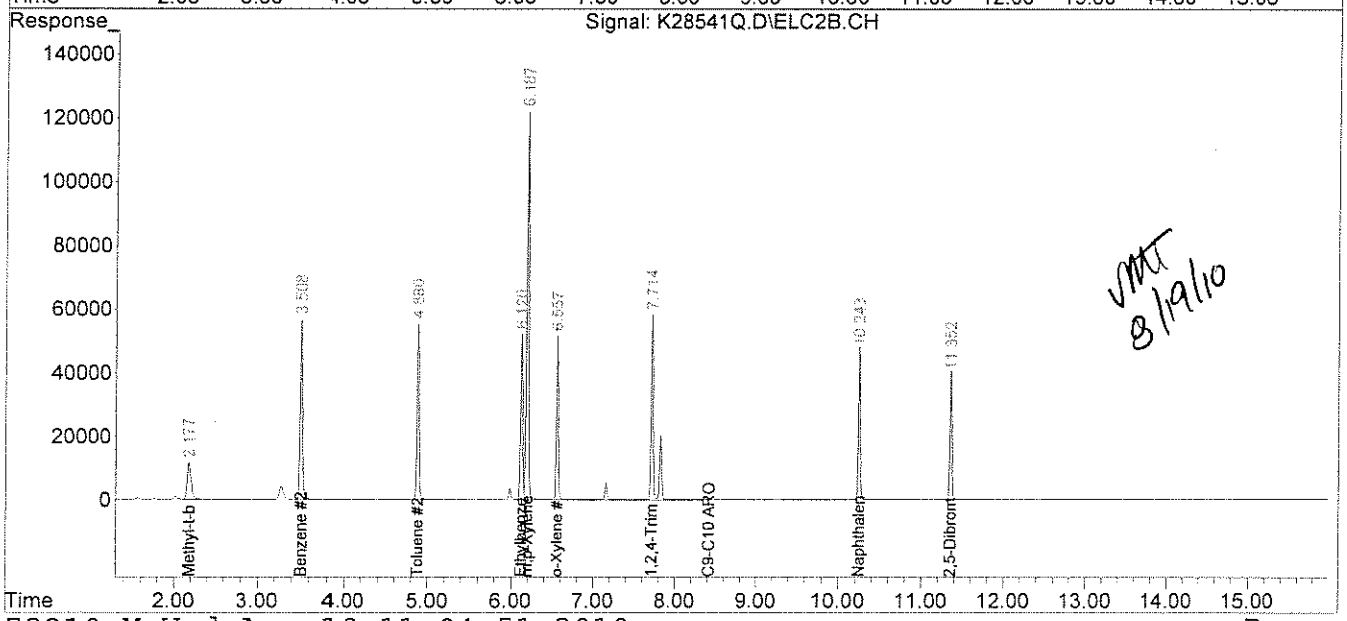
Data Path : C:\msdchem\1\DATA\081710-K\
Data File : K28541Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 17 Aug 2010 12:48 pm
Operator : MT
Sample : LSV081710K2
Misc : 100,10.00,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 13:19:48 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SB 8/18/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV081810K
Spike: LSV081810K,RR
Spike duplicate: LSV081810K2,RR

8/19/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4140	83		4255	85		3	
2-Methylpentane	5000	5000	70	130	25	0	4115	82		4246	85		3	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	4232	85		4229	85		0	
n-Decane	5000	5000	70	130	25	0	4403	88		4328	87		2	
n-Butylcyclohexane	5000	5000	70	130	25	0	4173	83		4223	84		1	
Methyl-t-butylether #2	5000	5000	70	130	25	0	3907	78		3815	76		2	
Benzene #2	5000	5000	70	130	25	0	4047	81		4042	81		0	
Toluene #2	5000	5000	70	130	25	0	4099	82		4096	82		0	
Ethylbenzene #2	5000	5000	70	130	25	0	3961	79		3989	80		1	
m,p-Xylene #2	10000	10000	70	130	25	0	8109	81		8145	81		0	
o-Xylene #2	5000	5000	70	130	25	0	3936	79		3896	78		1	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	3997	80		3988	80		0	
Naphthalene #2	5000	5000	70	130	25	0	3771	75		3890	78		3	
C5-C8 Aliphatics	15000	15000	70	130	25	0	12486	83		12730	85		2	
C9-C12 Aliphatics	10000	10000	70	130	25	0	8576	86		8551	86		0	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	3997	80		3988	80		0	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VMT 8/19/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28572Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 3:12 pm
Operator : JJL
Sample : LSV081810K,RR
Misc : 100,10.00,SOIL
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 15:46:05 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 8/19/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.355	11.354	220251	626009	74.881	79.313
Spiked Amount		100.000	Range	70 - 130	Recovery	=	74.88% 79.31%
	Target Compounds						
1) Z	Pentane	1.563	1.563	579363	12751	82.797	NoCal #
2) Z	2-Methylp...	2.011	2.011	673527	32261	82.290	NoCal #
3) TM	Methyl-t-...	2.179	2.179	343960	364424	NoCal	78.144 #
4) Z	2,2,4-Tri...	3.282	3.282	653158	149749	84.640	NoCal #
5) TM	Benzene	3.510	3.510	898922	1053102	NoCal	80.932 #
6) TM	Toluene	4.882	4.881	881245	977720	NoCal	81.985 #
7) XH	C5-C8 ALI...	3.717	0.000	4303434	0	587.528	N.D. #
9) TM	Ethylbenzene	6.122	6.122	878250	865673	NoCal	79.228 #
10) TM	m,p-Xylene	6.189	6.189	1774770	2034753	NoCal	162.182 #
11) TM	o-Xylene	6.559	6.559	893573	880572	NoCal	78.720 #
12) Z	n-Decane	7.153	7.153	607286	96857	88.055	NoCal #
13) Z	n-Butylcy...	7.822	7.822	614418	364303	83.466	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	6302751	0	884.101	N.D. #
15) ZM	1,2,4-Tri...	7.716	7.716	903543	942912	NoCal	79.935 #
16) XH	C9-C10 AR...	10.410	8.424	103	1569539	NoCal	133.057 #
17) TM	Naphthalene	10.246	10.245	554591	768614	NoCal	75.411 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMT 8/19/10

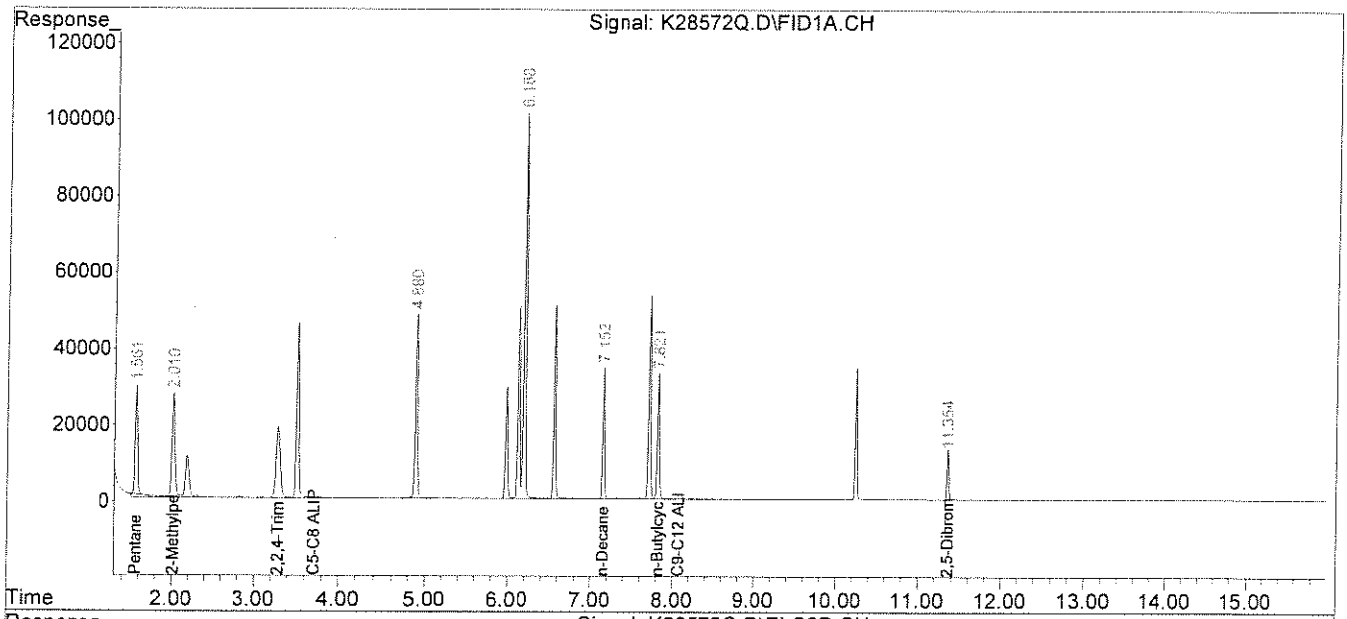
Quantitation Report (Not Reviewed)

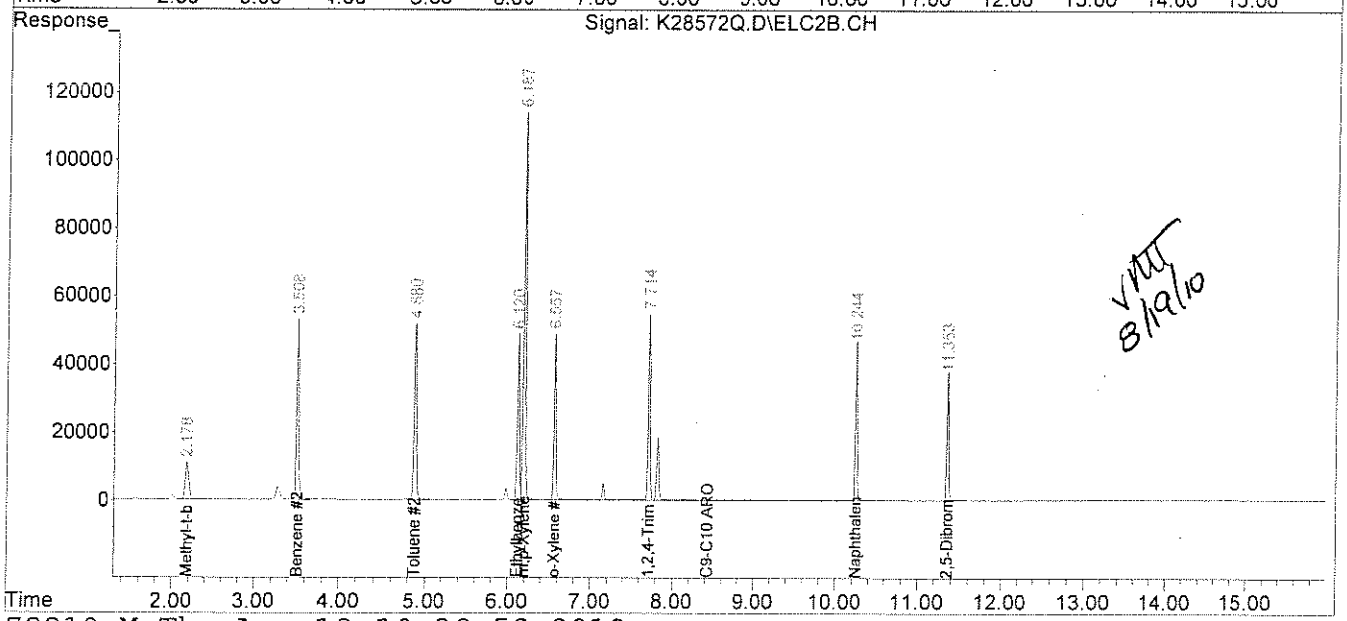
Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28572Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 3:12 pm
Operator : JJL
Sample : LSV081810K,RR
Misc : 100,10.00,SOIL
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 15:46:05 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 8/19/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28573Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 3:37 pm
Operator : JJL
Sample : LSV081810K2,RR
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 16:01:50 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/19/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.355	11.354	225386	640552	76.627	81.155
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	76.63% 81.16%
	Target Compounds						
1) Z	Pentane	1.563	1.563	595424	13523	85.092	NoCal #
2) Z	2-Methylp...	2.011	2.011	695010	34427	84.915	NoCal #
3) TM	Methyl-t-...	2.179	2.179	340008	355863	NoCal	76.308 #
4) Z	2,2,4-Tri...	3.282	3.282	652749	142220	84.587	NoCal #
5) TM	Benzene	3.510	3.510	899876	1051927	NoCal	80.841 #
6) TM	Toluene	4.882	4.881	883826	976825	NoCal	81.910 #
7) XH	C5-C8 ALI...	3.717	0.000	4315631	0	589.193	N.D. #
9) TM	Ethylbenzene	6.122	6.122	881337	871685	NoCal	79.779 #
10) TM	m,p-Xylene	6.189	6.188	1782231	2043664	NoCal	162.892 #
11) TM	o-Xylene	6.559	6.559	892932	871674	NoCal	77.924 #
12) Z	n-Decane	7.153	7.152	596962	95417	86.558	NoCal #
13) Z	n-Butylcy...	7.822	7.822	621696	366029	84.454	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	6318827	0	886.356	N.D. #
15) ZM	1,2,4-Tri...	7.716	7.715	904509	940945	NoCal	79.768 #
16) XH	C9-C10 AR...	10.410	8.424	37	1602462	NoCal	135.848 #
17) TM	Naphthalene	10.245	10.244	566750	792915	NoCal	77.795 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

JMT 8/19/10

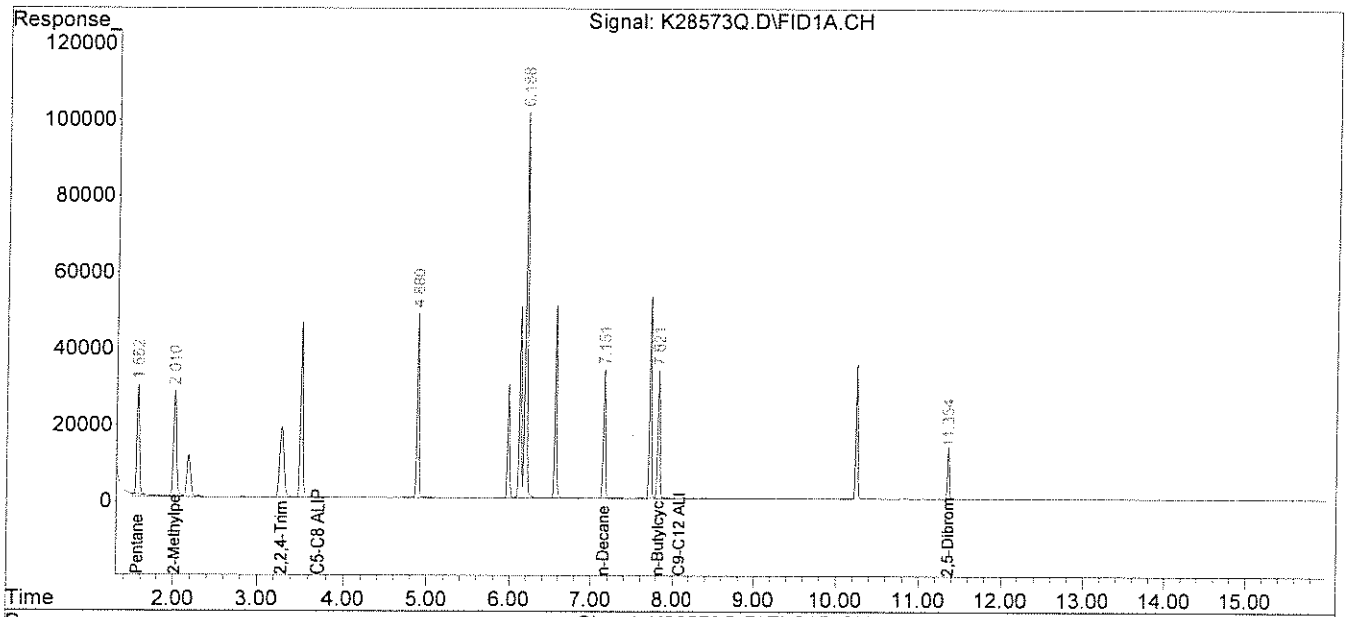
Quantitation Report (Not Reviewed)

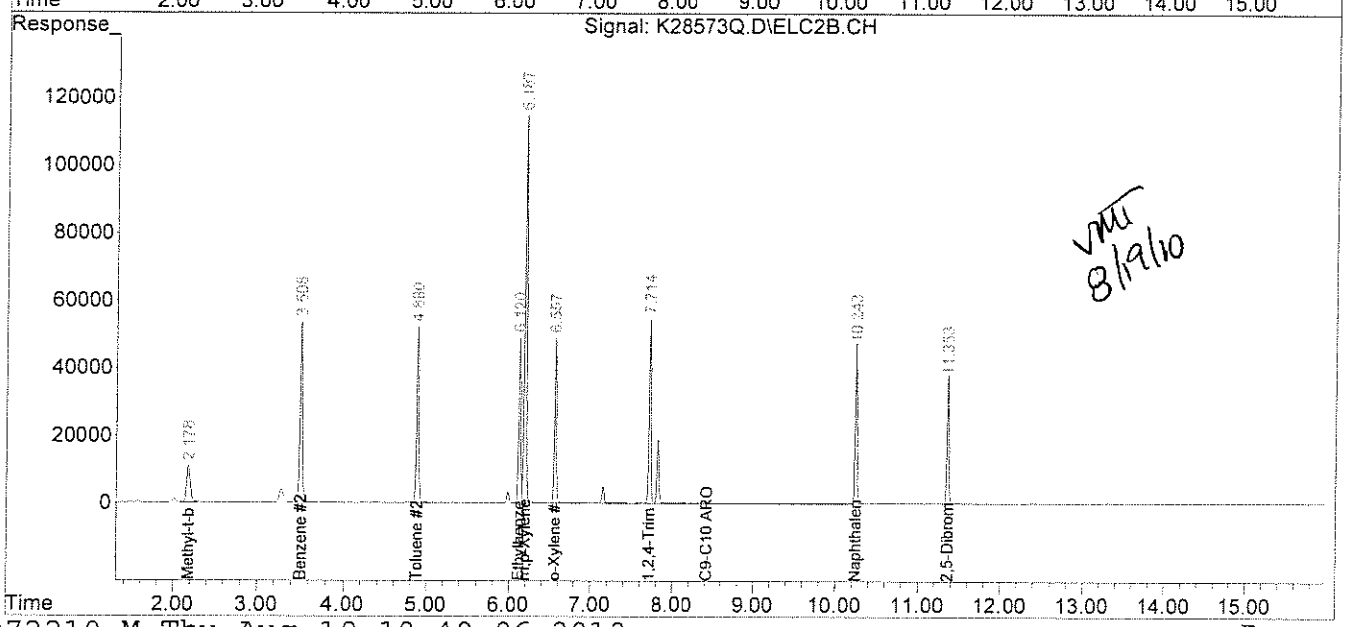
Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28573Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 3:37 pm
Operator : JJL
Sample : LSV081810K2,RR
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 16:01:50 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/19/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMU 8/19/10

VOLATILE PETROLEUM HYDROCARBONS SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67514-2
Spike: 67514-2,MS
Spike duplicate: 67514-2,MSD

8/23/10

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5757	5757	70	130	25	0	8133	141	*	7990	139	*	2	
2-Methylpentane	5757	5757	70	130	25	0	7794	135	*	7487	130		4	
2,2,4-Trimethylpentane	5757	5757	70	130	25	0	7283	127		5486	95		28	*
n-Decane	5757	5757	70	130	25	0	7494	130		7787	135	*	4	
n-Butylcyclohexane	5757	5757	70	130	25	0	7445	129		7477	130		0	
Methyl-t-butylether #2	5757	5757	70	130	25	0	5716	99		5575	97		3	
Benzene #2	5757	5757	70	130	25	0	6600	115		6549	114		1	
Toluene #2	5757	5757	70	130	25	0	6667	116		6535	114		2	
Ethylbenzene #2	5757	5757	70	130	25	0	6438	112		6394	111		1	
m,p-Xylene #2	11513	11513	70	130	25	0	13098	114		12887	112		2	
o-Xylene #2	5757	5757	70	130	25	0	6209	108		6159	107		1	
1,2,4-Trimethylbenzene #2	5757	5757	70	130	25	0	6323	110		6258	109		1	
Naphthalene #2	5757	5757	70	130	25	0	5640	98		5659	98		0	
C5-C8 Aliphatics	17270	17270	70	130	25	0	23210	134	*	10482	121		10	
C9-C12 Aliphatics	11513	11513	70	130	25	0	14940	130		7632	133	*	2	
C9-C10 Aromatics #2	5757	5757	70	130	25	0	6323	110		3129	109		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: Several Failures. Sample exhausted. Write memo. LCSs in control.

VMT 8/23/10

VPH FORM 3

VOLATILE PETROLEUM HYDROCARBONS SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

	Conversion Worksheet						Moisture
Sample	Misc Info	Amt (uL) Analyzed	Wt (g) Extracted	Final Vol MeoH	% Solid	CF	Corrected CF
67514-2	100,9.06,SOIL	100	9.06	10	0.9587	57.565076	59.719034
67514-2,MS	100,9.06,SOIL	100	9.06	10	0.9587	57.565076	59.719034
67514-2,MSD	100,9.06,SOIL	100	9.06	10	0.9587	57.565076	59.719034

8/23/10

VMT 8/23/10

VPH FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28576SP.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 5:24 pm
Operator : JJL
Sample : 67514-2,MS
Misc : 100,9.06,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 10:38:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.356	11.356	523962	1500771	178.137	190.141	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	178.14%#	190.14%#
	Target Compounds							
1) Z	Pentane	1.562	1.563	953019	17280	136.196	NoCal	#
2) Z	2-Methylp...	2.011	2.011	1068171	47028	130.507	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	430438	446384	NoCal	95.718	#
4) Z	2,2,4-Tri...	3.282	3.282	941063	204042	121.948	NoCal	#
5) TM	Benzene	3.510	3.510	1219513	1438065	NoCal	110.516	#
6) TM	Toluene	4.882	4.882	1200430	1331285	NoCal	111.633	#
7) XH	C5-C8 ALI...	3.717	0.000	6091059	0	831.584	N.D.	#
9) TM	Ethylbenzene	6.123	6.122	1190065	1177992	NoCal	107.812	#
10) TM	m,p-Xylene	6.190	6.189	2407055	2751665	NoCal	219.324	#
11) TM	o-Xylene	6.560	6.559	1184982	1163015	NoCal	103.969	#
12) Z	n-Decane	7.153	7.153	865466	138182	125.491	NoCal	#
13) Z	n-Butylcy...	7.823	7.822	917767	543913	124.674	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	8689709	0	1218.925	N.D.	#
15) ZM	1,2,4-Tri...	7.717	7.716	1197200	1248989	NoCal	105.883	#
16) XH	C9-C10 AR...	10.410	8.424	29	2137848	NoCal	181.235	#
17) TM	Naphthalene	10.246	10.245	688372	962618	NoCal	94.445	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMT 8/23/10

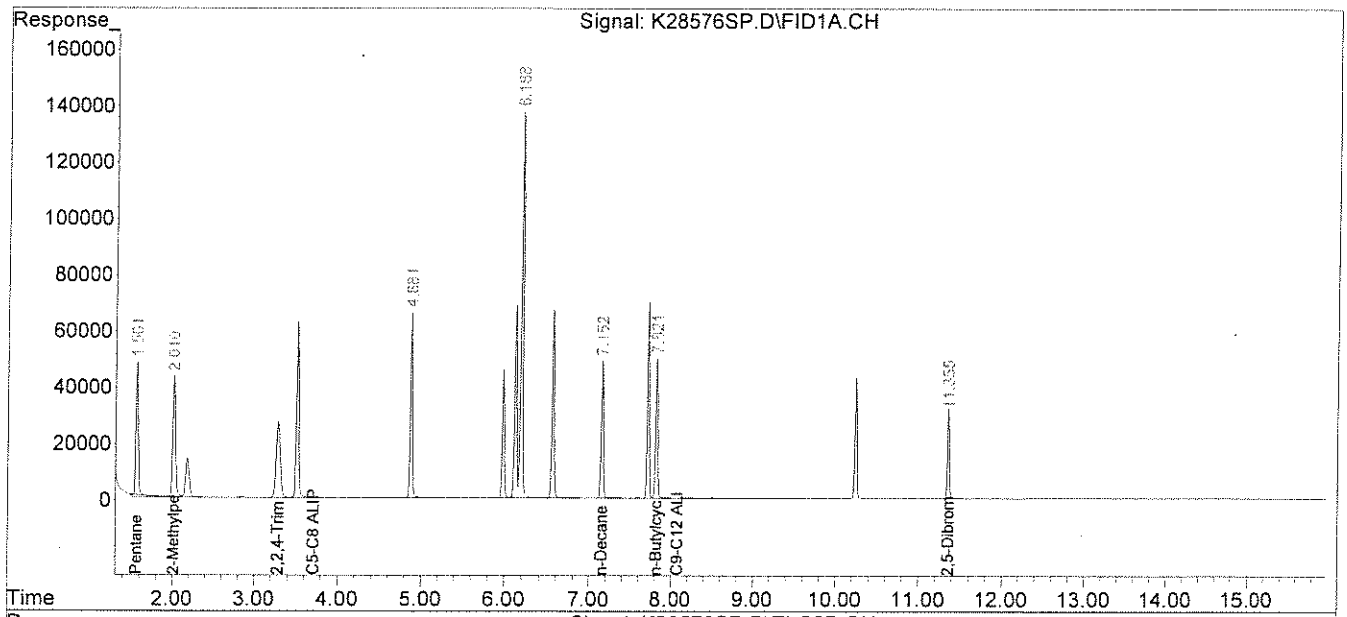
Quantitation Report (Not Reviewed)

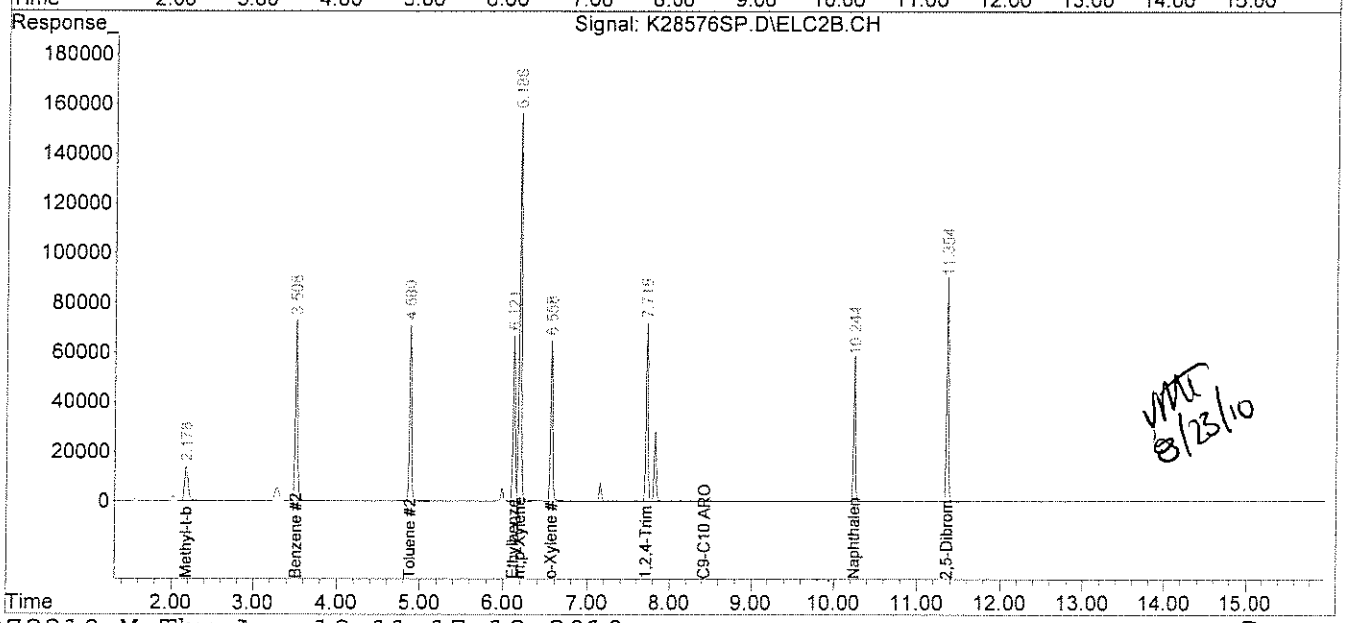
Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28576SP.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 5:24 pm
Operator : JJL
Sample : 67514-2,MS
Misc : 100,9.06,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 10:38:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081710-K\
Data File : K28554SP.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 17 Aug 2010 8:03 pm
Operator : MT
Sample : 67514-2,MSD
Misc : 100,9.06,SOIL
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 10:48:46 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.356	11.355	833777	2362088	283.469	299.266	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	283.47%#	299.27%#
	Target Compounds							
1) Z	Pentane	1.565	1.565	1872429	29864	267.589	NoCal	#
2) Z	2-Methylp...	2.012	2.012	2052093	80411	250.721	NoCal	#
3) TM	Methyl-t-...	2.180	2.180	869399	870613	NoCal	186.686	#
4) Z	2,2,4-Tri...	3.282	3.282	1417733	300237	183.718	NoCal	#
5) TM	Benzene	3.511	3.511	2455200	2854037	NoCal	219.335	#
6) TM	Toluene	4.883	4.883	2427453	2609791	NoCal	218.840	#
7) XH	C5-C8 ALI...	3.717	0.000	11393224	0	1555.464	N.D.	#
9) TM	Ethylbenzene	6.125	6.124	2407062	2339583	NoCal	214.124	#
10) TM	m,p-Xylene	6.192	6.191	4866366	5414555	NoCal	431.572	#
11) TM	o-Xylene	6.560	6.560	2409555	2307417	NoCal	206.274	#
12) Z	n-Decane	7.155	7.154	1798472	270252	260.775	NoCal	#
13) Z	n-Butylcy...	7.824	7.824	1843163	1045905	250.384	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	17561413	0	2463.379	N.D.	#
15) ZM	1,2,4-Tri...	7.718	7.718	2423697	2472131	NoCal	209.574	#
16) XH	C9-C10 AR...	10.410	8.424	131	4020120	NoCal	340.804	#
17) TM	Naphthalene	10.246	10.246	1419862	1931444	NoCal	189.499	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMT 8/23/10

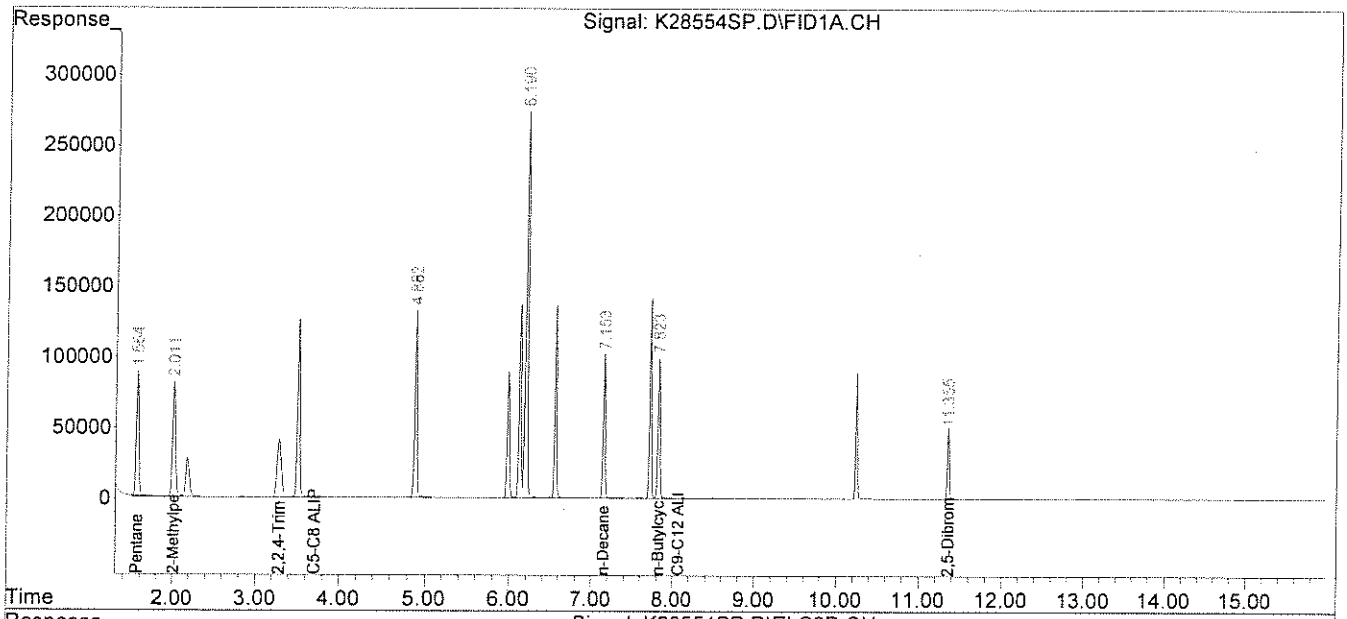
Quantitation Report (Not Reviewed)

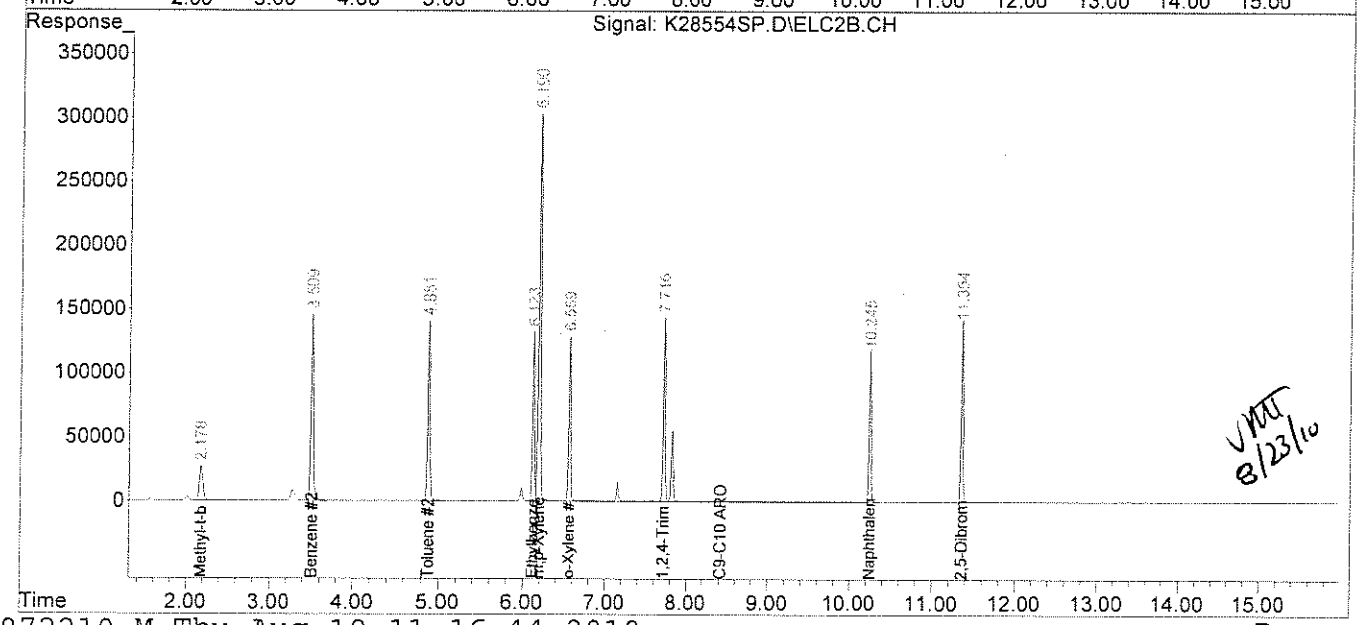
Data Path : C:\msdchem\1\DATA\081710-K\
Data File : K28554SP.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 17 Aug 2010 8:03 pm
Operator : MT
Sample : 67514-2,MSD
Misc : 100,9.06,SOIL
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 10:48:46 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/23/10

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL SAMPLE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV081910K
Spike: LSV081910K

8/20/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
Pentane	5000	70	130	0	4442	89	
2-Methylpentane	5000	70	130	0	4448	89	
2,2,4-Trimethylpentane	5000	70	130	0	4555	91	
n-Decane	5000	70	130	0	4721	94	
n-Butylcyclohexane	5000	70	130	0	4598	92	
Methyl-t-butylether #2	5000	70	130	0	3926	79	
Benzene #2	5000	70	130	0	4246	85	
Toluene #2	5000	70	130	0	4249	85	
Ethylbenzene #2	5000	70	130	0	4185	84	
m,p-Xylene #2	10000	70	130	0	8574	86	
o-Xylene #2	5000	70	130	0	4071	81	
1,2,4-Trimethylbenzene #2	5000	70	130	0	4195	84	
Naphthalene #2	5000	70	130	0	4044	81	
C5-C8 Aliphatics	15000	70	130	0	13444	90	
C9-C12 Aliphatics	10000	70	130	0	9319	93	
C9-C10 Aromatics #2	5000	70	130	0	4195	84	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VPH
8/23/10

VPH FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28592Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 3:36 pm
Operator : JJL
Sample : LSV081910K
Misc : 100,10.00,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 15:53:58 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.356	11.355	238140	675072	80.963	85.529	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	80.96%	85.53%
	Target Compounds							
1) Z	Pentane	1.563	1.562	621639	11753	88.838	NoCal	#
2) Z	2-Methylp...	2.011	2.011	728048	35145	88.951	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	352701	366203	NoCal	78.525	#
4) Z	2,2,4-Tri...	3.282	3.281	702978	154679	91.096	NoCal	#
5) TM	Benzene	3.510	3.509	946225	1105006	NoCal	84.920	#
6) TM	Toluene	4.882	4.881	936843	1013469	NoCal	84.983	#
7) XH	C5-C8 ALI...	3.717	0.000	4534382	0	619.058	N.D.	#
9) TM	Ethylbenzene	6.123	6.122	935313	914634	NoCal	83.709	#
10) TM	m,p-Xylene	6.189	6.189	1893876	2151415	NoCal	171.481	#
11) TM	o-Xylene	6.559	6.559	941354	910874	NoCal	81.429	#
12) Z	n-Decane	7.153	7.153	651181	106274	94.420	NoCal	#
13) Z	n-Butylcy...	7.823	7.822	676943	397792	91.959	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	6770530	0	949.718	N.D.	#
15) ZM	1,2,4-Tri...	7.717	7.716	957805	989783	NoCal	83.908	#
16) XH	C9-C10 AR...	10.410	8.424	64	1653018	NoCal	140.134	#
17) TM	Naphthalene	10.246	10.246	596563	824399	NoCal	80.884	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

JMT 8/23/10

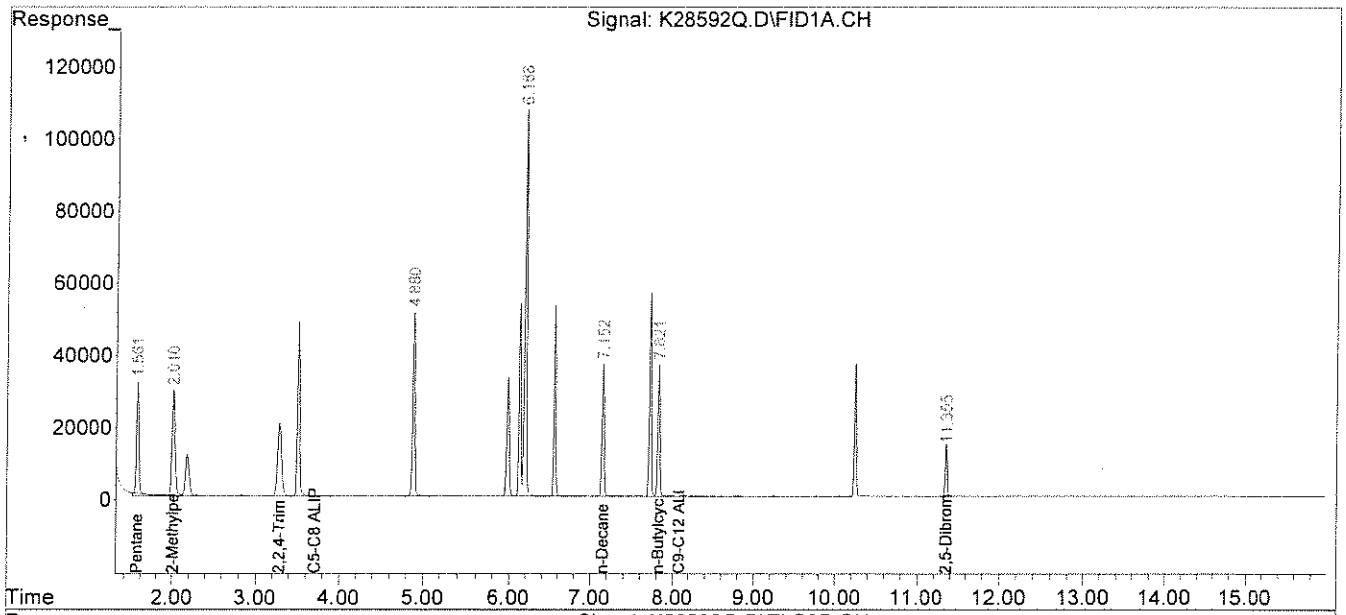
Quantitation Report (Not Reviewed)

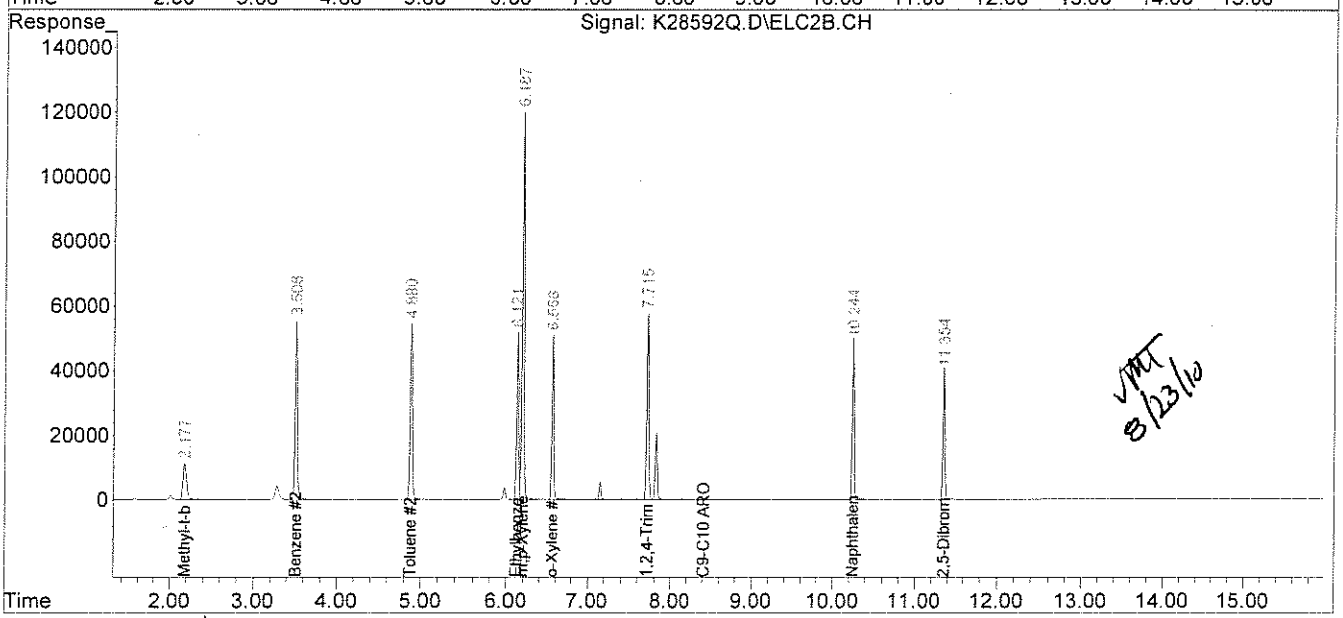
Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28592Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 3:36 pm
Operator : JJL
Sample : LSV081910K
Misc : 100,10.00,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 15:53:58 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/23/10

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: 90

Unload: 90

072210-K

VPH Surrogate: –

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	~~07~~ VPH072210.M	BLK	5ml	–	–		K27978	JJL	n/a
2		VPH 100		200ul	V8896	✓, changed trap + baked	79SC		
3		BLK		–	–		80		
4		VPH 100		200ul	V8896	✓	81SC		
5		LSV072210K	100ml/5ml	5ul	V8899	↑ Pentane, changed sponge tube	82Q		
6		BLK	5ml	–	–		83		
7		LSV072210K.RR	100ml/5ml	5ul	V8899	↑ Pentane, Recal.	84Q		
8		BLK	5ml	–	–	co concern	85		
9		VPH 1		2ul	V8910	✓	86SI		
10		VPH 2		4ul		✓	87SI		
11		VPH 5		10ul		✓	88SI		
12		VPH 20		40ul		✓	89SI		
13		VPH 50		100ul		✓	90SI		
14		VPH 100		200ul		✓	91SI		
15		VPH 200		400ul		✓	92SI		
16		BLK		–	–	co concern	93		
17		VPH 500		1ml	V8910	✓	94SI		
18		BLK		–	–	co concern	95		
19		LV072210K, ICV		100ul	V8998	✓	96Q		
20		VPH 100		200ul	V8910	✓ Test theory on instr.	97		

7/23/10

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: SS

Unload: SS

081610-K

VPH Surrogate: ① V8915 x.8/25/10 ② V8932 x.1/29/11

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	VPH072210.m	BLK	5mL	–	–		K28513	JJL	n/a
2		VPH 100		200ml	V8933 ✓		14 SC		
3		LV081610K		100ml	V8934 ✓		15 Q		
4		LSV081610K	100ml/5mL	5mL	V8899 ✓		16 Q		
5		LSV081610K2			✓		17 Q		
6		BLK	5mL	–	–		18		
7		BV081610K		86mL	V8915 ✓		19 B		
8		MBV081610K	100ml/5mL	10mL	V8932 ✓		20 B		
9		67487-23	5mL	86mL	① ✓	T.B	21		L2
10		67512-4			✓	T.B	22		L2
11		67512-5	100ml/5mL	10mL	② ✓	T.B	23		n/a
12		67514-3			✓	T.B	24		
13		67488-1			✓	10.53	25		
14		67512-2			✓	10.05	26		
15		67514-2			✓	9.06	27		
16		67512-3, 5X	20ml/5mL			RR 50X 7.05	28		
17		67514-1, 10X	10ml/5mL			RR 2X 7.63	29		
18		67512-1, 20X	250ml	86mL	①	RR 5X	30		L2
19		VPH 100	5mL	200ml	V8933 ✓		31 SC		n/a
20		VPH 100			✓		32 SC		

SS 8/14/10

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

081710-K

VPH Surrogate: ① V8915 x. 8/25/10 ④ V8932 x. 1/29/11

GAS/GRO Surrogate: ② V8908 x. 8/22/10

BFB Only: ③ V8939 x. 9/3/10

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	VPH072210.m	BLK	5mL	–	–		K28533	JTL	n/a
2	↓	VPH 100	↓	200uL	V8933	✓	34SC	↓	↓
3	Gas022610.m	Gas 200	↓	43uL	V8907	✓	35SC	↓	↓
4	VPH072210.m	LV081710K	↓	100uL	V8898	✓	36Q	↓	↓
5	Gas022610.m	L081710K-Gas	↓	43uL	V8906	Instr. picked up empty RR space	37Q	↓	↓
6	↓	L081710K-Gas, RR	↓	↓	↓	✓	38Q	↓	↓
7	↓	LS081710K-Gas	100uL/5mL	10mL 40uL	V8877 V8854	✓	39Q	↓	↓
8	VPH072210.m	LSV081710K	↓	5uL	V8899	✓	40Q	↓	↓
9	↓	LSV081710K2	↓	↓	↓	✓	41Q	↓	↓
10	↓	BLK	5mL	–	–		42	↓	↓
11	↓	BV081710K	↓	86uL	V8915	✓	43B	↓	↓
12	Gas022610.m	B081710K-Gas	↓	43uL	V8908	✓	44B	↓	↓
13	↓	MB081710K-Gas	100uL/5mL	10mL	V8877	✓	45B	↓	↓
14	~~VPH072210.m~~ ~~MBV081710K~~	MBV081710K	↓	10uL	V8932	✓	46B	↓	↓
15	Gas022610.m	673666-3	5mL	43uL	②	✓	47	↓	<2
16	↓	-3, 5X	1mL	↓	↓	✓	48	↓	<2
17	↓	673668-11	100uL/5mL	43uL	③	✓	49	↓	n/a
18	↓	-11, 5X	20uL/5mL	↓	↓	✓	50	↓	↓
19	↓	Gas 200	5mL	43uL	V8907	✓	51SC	↓	↓
20	↓	Gas 200	↓	↓	↓	✓	52SC	↓	↓
21	VPH072210.m	673514-2, MS	100uL/5mL	86uL	V8970	*H_2O Spike was used 9.06	53SP	↓	↓
22	↓	-2, MSD	↓	↓	↓	✓ p/c Soil Spike +pg concentrated. 9.06 (may have triple spike)	54SP	↓	↓
23	↓	673666-1	5mL	86uL	①	✓	55	↓	<2
24	↓	-1, 5X	1mL	↓	↓	✓	56	↓	<2
25	↓	673669-2	5mL	↓	↓	E-Flags	57	↓	<2
26	↓	-2, 5X	1mL	↓	↓	✓	58	↓	<2
27	↓	673668-12	100uL/5mL	10uL	④	E-Flags 10.01	59	↓	n/a
28	↓	-12, 5X	20uL/5mL	↓	↓	RR 10X 10.01	60	↓	↓
29	↓	673669-1	100uL/5mL	↓	↓	E-Flags 10.00	61	↓	↓
30	↓	-1, 5X	20uL/5mL	↓	↓	RR 50X 10.00	62	↓	↓
31	↓	67514-1, 2X	50uL/5mL	↓	↓	RR 2X 7.63	63	↓	↓
32	↓	67512-1, 5X	20uL/5mL	↓	↓	✓	64	↓	↓
33	↓	-3, 50X	2uL/5mL	↓	↓	✓ 7.05	65	↓	↓
34	↓	VPH 100	5mL	200uL	V8933	✓	66SC	↓	↓
35	↓	VPH 100	↓	↓	↓	✓	67SC	↓	↓

gg 8/18/10

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: 88

Unload: 88

081810-K

VPH Surrogate: ① V8932 X. 1/29/11

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	VPH0722.10.m	BLK	5mL	–	–		K285168	JJL	n/a
2		VPH100		200uL	V8933	✓	69SC		
3		LSV081810K	100uL/5mL	5uL	V8899	entered in wrong vial space. Rerun both.	70Q		
4		LSV081810K2					71Q		
5		LSV0810K, RR				✓	72Q		
6		LSV0810K2, RR				✓	73Q		
7		BLK	5mL	–	–		74		
8		MBV081810K	100uL/5mL	10uL	V8932	✓	75B		
9		67514-2, MS		5uL	V8899	✓ 9.06	76SP		
10		-1, 2X	50uL/5mL	10uL	①	RR str. 7.63	77		
11		673668-12, 10X	10uL/5mL			✓ 10.01	78		
12		673669-1, 50X	2uL/5mL			✓ 10.00	79		
13		VPH 100	5mL	200uL	V8933	✓	80SC		
14		VPH 100				✓	81SC		
							~~88 82~~		

88 8/18/10

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

081910-K

VPH Surrogate: (2) V8932 x.1|29|11

GAS/GRO Surrogate: —

BFB Only: (1) V8939 x.9|3|10

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	GRO022410.m	BLK	5mL	—	—		K28582	JJL	n/A
2		GRO 200		43uL	V8921	✓	83SC		
3		LS081910K-GRO	100uL/5mL	10uL	V8877	✓	84Q		
4		LS081910K2-GRO			V8826	✓	85Q		
5		BLK	5mL	—	—		86		
6		MB081910K-GRO	100uL/5mL	10uL	V8877	✓	87B		
7		673168-11		43uL	(1)	RR 5X	88		
8		-11, 5X	20uL/5mL			✓	89		
9		GRO 200	5mL	43uL	V8921	✓	90SC		
10	VPH072210.m	VPH 100		200uL	V8973	✓	91SC		
11		LSV081910K	100uL/5mL	5uL	V8899	✓	92Q		
12		BLK	5mL	—	—		93		
13		MBV081910K	100uL/5mL	10uL	V8932	✓	94B		
14		67514-1			(2)	✓ 7.63	95		
15		VPH 100	5mL	200uL	V8973	✓	96SC		
16		VPH 100				✓	97SC		

gg 8/20/10

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 2 04/29/10

[48]

Response Factor Report HP G1530A

Method Path : C:\msdchem\1\METHODS\
Method File : VPH072210.M
Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
Last Update : Fri Jul 23 15:04:23 2010
Response Via : Initial Calibration

Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

SB 7/26/10

		Compound	2	5	20	50	0.5	100	Avg	%RSD
1)	ZM	Pentane	6.623	6.311	7.147	7.202		7.570	6.997 E3	6.67
2)	ZM	2-Methylpentane	8.536	7.466	8.207	8.247		8.690	8.185 E3	5.68
3)	T	Methyl-t-buty...							0.000	-1.00
4)	ZM	2,2,4-Trimeth...	8.216	7.647	8.896	8.375		7.993	7.717 E3	12.43
5)	T	Benzene							0.000	-1.00
6)	T	Toluene							0.000	-1.00
7)	XH	C5-C8 ALIPHATICS	7.792	7.141	8.083	7.941		8.084	7.325 E3	12.19
8)		n-Nonane							0.000	-1.00
9)	T	Ethylbenzene							0.000	-1.00
10)	T	m,p-Xylene							0.000	-1.00
11)	T	o-Xylene							0.000	-1.00
12)	ZM	n-Decane	6.039	4.950	5.191	5.579		7.997	6.897 E3	23.76
13)	ZM	n-Butylcycloh...	6.357	6.435	6.593	6.777		8.029	7.361 E3	16.80
14)	XH	C9-C12 ALIPHA...	6.198	5.693	5.892	6.178		8.013	7.129 E3	19.33
15)	Z	1,2,4-Trimeth...							0.000	-1.00
16)	XH	C9-C10 AROMATICS							0.000	-1.00
17)	T	Naphthalene							0.000	-1.00
18)	S	2,5-Dibromoto...	3.791	2.742	2.584	2.712		2.859	2.941 E3	13.62

Signal #2 Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

MAT 7/26/10

		Compound	2	5	20	50	0.5	100	Avg	%RSD
1)	Z	Pentane							0.000	-1.00
2)	Z	2-Methylpentane							0.000	-1.00
3)	TM	Methyl-t-buty...	5.373	4.158	4.484	4.526		4.479	4.664 E3	12.22
4)	Z	2,2,4-Trimeth...							0.000	-1.00
5)	TM	Benzene	1.280	1.265	1.309	1.312		1.321	1.301 E4	1.56
6)	TM	Toluene	1.248	1.135	1.190	1.197		1.223	1.193 E4	3.83
7)	XH	C5-C8 ALIPHATICS							0.000	-1.00
8)		n-Nonane							0.000	-1.00
9)	TM	Ethylbenzene	1.177	0.993	1.048	1.061		1.087	1.093 E4	6.11
10)	TM	m,p-Xylene	1.224	1.143	1.234	1.248		1.283	1.255 E4	5.18
11)	TM	o-Xylene	1.143	0.990	1.048	1.062		1.083	1.119 E4	12.52
12)	Z	n-Decane							0.000	-1.00
13)	Z	n-Butylcycloh...							0.000	-1.00
14)	XH	C9-C12 ALIPHA...							0.000	-1.00
15)	ZM	1,2,4-Trimeth...	1.101	0.986	1.065	1.097		1.136	1.180 E4	20.03
16)	XH	C9-C10 AROMATICS	1.101	0.986	1.065	1.097		1.136	1.180 E4	20.03
17)	TM	Naphthalene	1.007	0.881	0.939	0.971		0.997	1.019 E4	14.63
18)	S	2,5-Dibromoto...	8.562	6.808	7.149	7.585		8.153	7.893 E3	9.31

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27986SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:32 pm
Operator : JJL
Sample : VPH 1 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.356	11.355	4554	12231	1.904	1.793
Spiked Amount		100.000	Range	70 - 130	Recovery	=	1.90%# 1.79%#
	Target Compounds						
1) Z	Pentane	1.559	1.562	4137	657	0.860	NoCal #
2) Z	2-Methylp...	2.008	2.005	6649	1753	0.960	NoCal #
3) TM	Methyl-t-...	2.181	2.179	5383	5724	NoCal	1.331 #
4) Z	2,2,4-Tri...	3.278	3.290	6186	1603	0.933	NoCal #
5) TM	Benzene	3.509	3.509	10306	12912	NoCal	0.976 #
6) TM	Toluene	4.881	4.881	11637	11146	NoCal	0.911 #
7) XH	C5-C8 ALI...	3.717	0.000	105864	0	17.864	N.D. #
9) TM	Ethylbenzene	6.122	6.121	10665	11978	NoCal	1.131 #
10) TM	m,p-Xylene	6.188	6.187	19542	27513	NoCal	2.221 #
11) TM	o-Xylene	6.559	6.558	11046	14480	NoCal	1.353 #
12) Z	n-Decane	7.153	7.154	7705	7492	1.316	NoCal #
13) Z	n-Butylcy...	7.823	7.821	6464	9529	1.010	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	146965	0	23.983	N.D. #
15) ZM	1,2,4-Tri...	7.715	7.715	12192	17478	NoCal	1.643 #
16) XH	C9-C10 AR...	10.410	8.424	7	261207	NoCal	24.557 #
17) TM	Naphthalene	10.246	10.246	7968	13733	NoCal	1.637 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

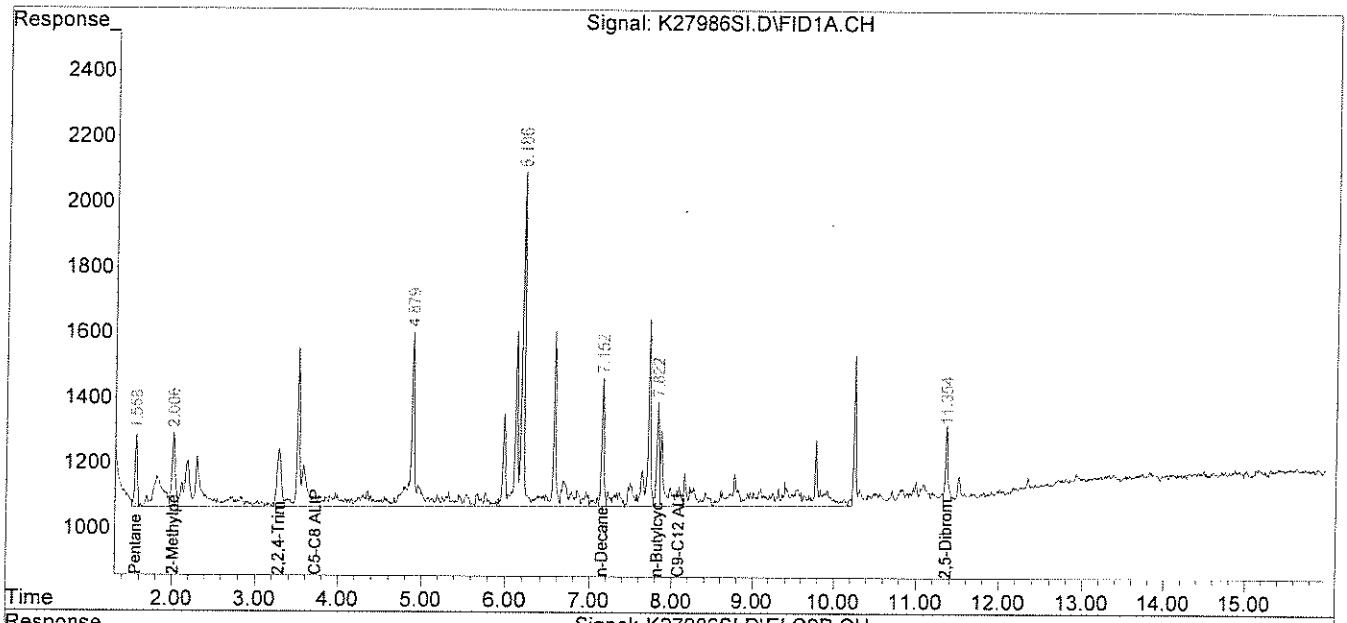
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27986SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:32 pm
Operator : JJL
Sample : VPH 1 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

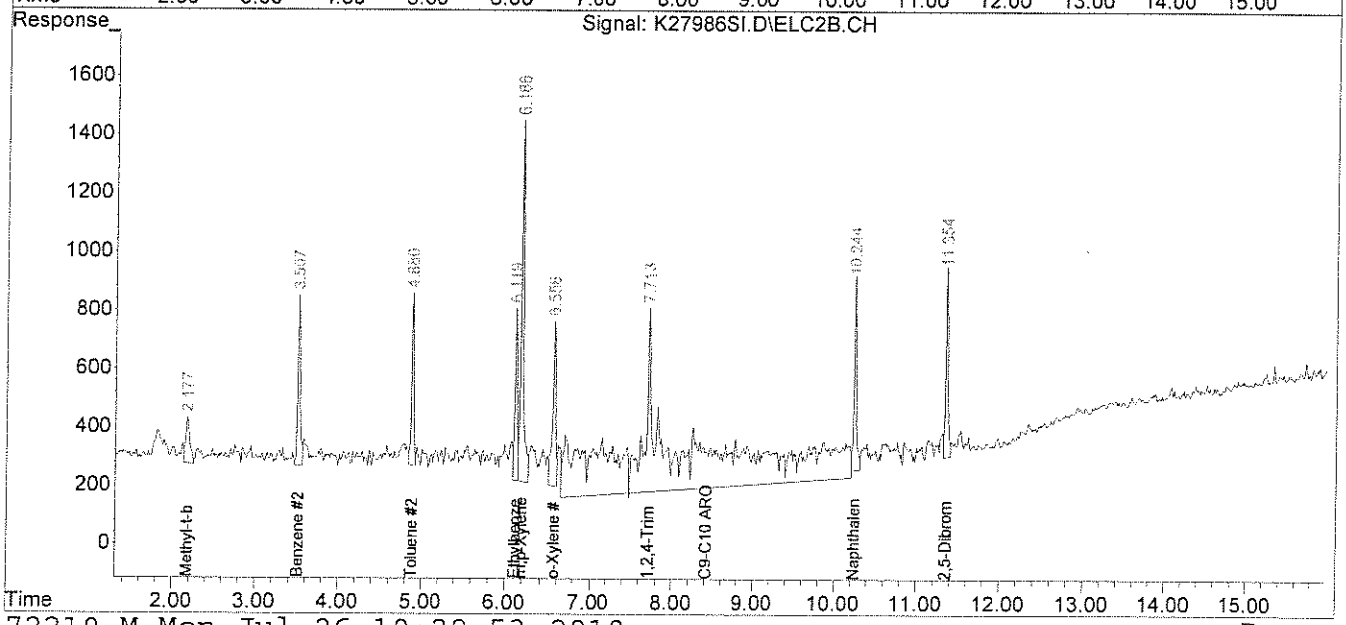
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27987SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:57 pm
Operator : JJL
Sample : VPH 2 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.355	7582	17124	3.170	2.511	
		Spiked Amount	100.000	Range	70 - 130	Recovery	=	3.17%#	2.51%#
		Target Compounds							
1)	Z	Pentane	1.559	1.576	13246	196	2.755	NoCal	#
2)	Z	2-Methylp...	2.009	1.998	17073	1007	2.465	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	9810	10745	NoCal	2.499	#
4)	Z	2,2,4-Tri...	3.278	3.279	16432	3496	2.477	NoCal	#
5)	TM	Benzene	3.510	3.509	21209	25596	NoCal	1.934	#
6)	TM	Toluene	4.881	4.881	22868	24969	NoCal	2.041	#
7)	XH	C5-C8 ALI...	3.717	0.000	155766	0	26.285	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	22182	23546	NoCal	2.223	#
10)	TM	m,p-Xylene	6.188	6.187	42752	48976	NoCal	3.953	#
11)	TM	o-Xylene	6.559	6.558	22078	22865	NoCal	2.136	#
12)	Z	n-Decane	7.152	7.154	12077	2628	2.062	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	12714	7463	1.987	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	195953	0	31.978	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	21313	22012	NoCal	2.069	#
16)	XH	C9-C10 AR...	10.410	8.424	17	86037	NoCal	8.089	#
17)	TM	Naphthalene	10.246	10.246	13937	20141	NoCal	2.402	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

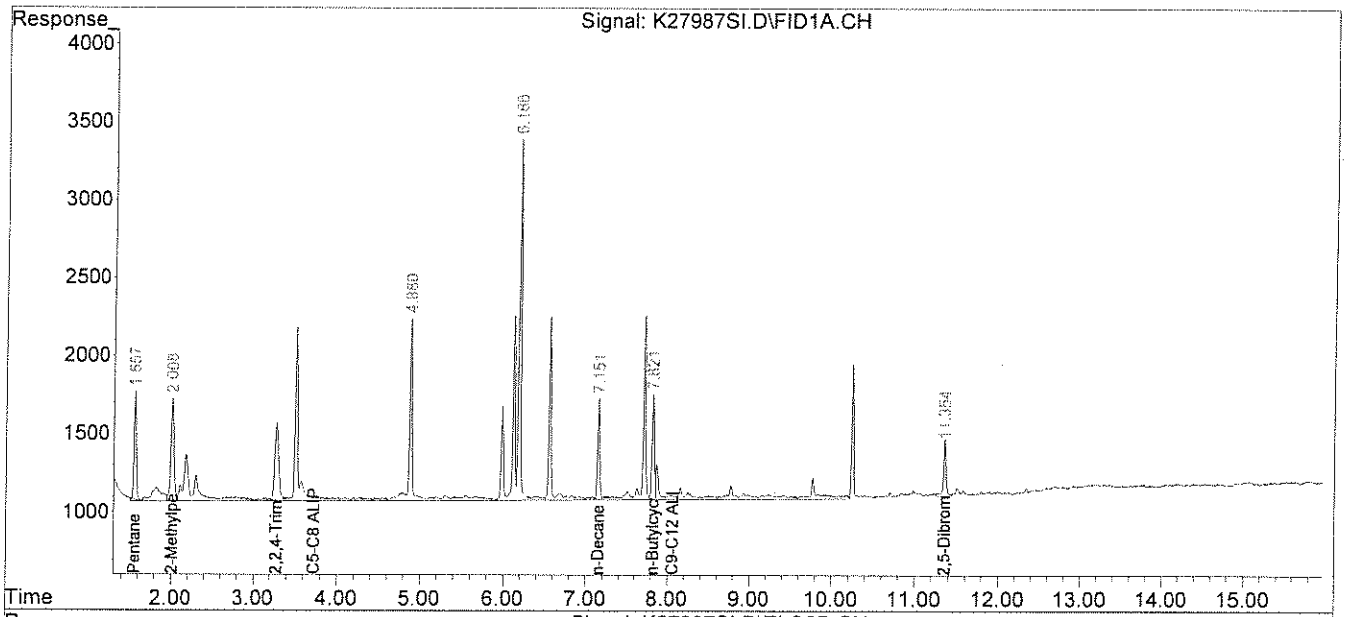
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27987SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:57 pm
Operator : JJL
Sample : VPH 2 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

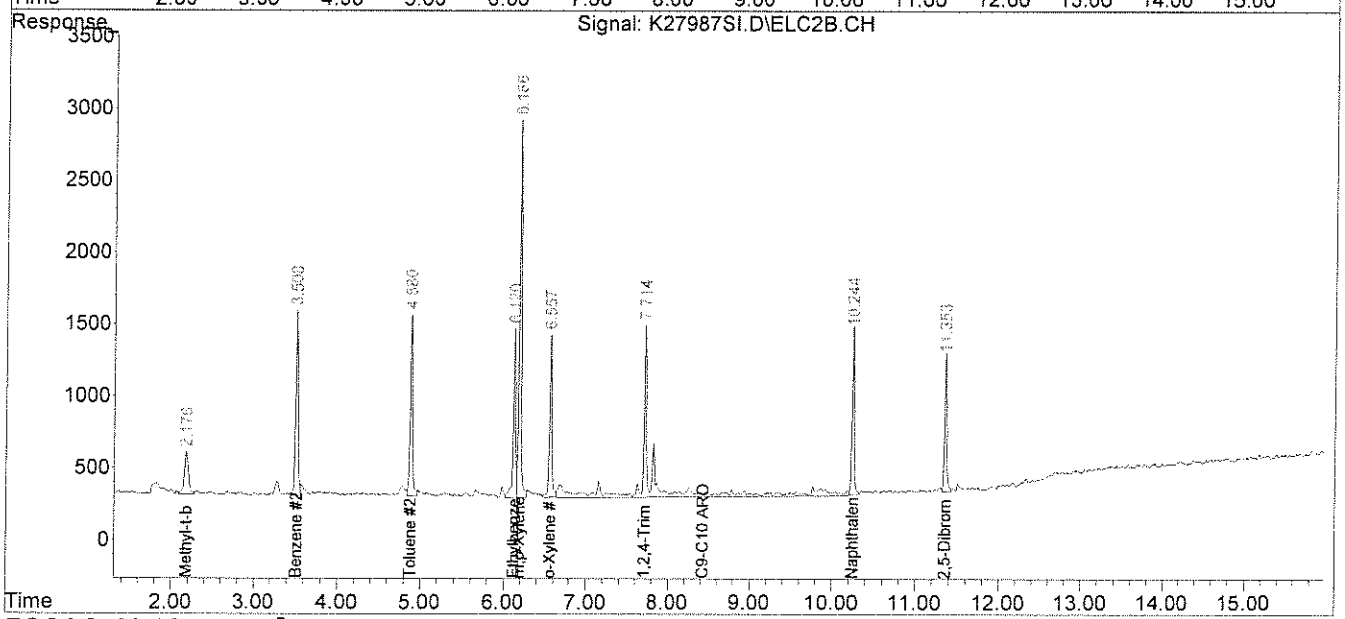
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27988SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:21 pm
Operator : JJL
Sample : VPH 5 UG/L
Misc : 5000
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Compound		RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds							
18) S	2,5-Dibro...	11.355	11.354	13711	34040	5.732	4.991
Spiked Amount		100.000	Range	70 - 130	Recovery	=	5.73%# 4.99%#
Target Compounds							
1) Z	Pentane	1.559	1.560	31554	800	6.563	NoCal #
2) Z	2-Methylp...	2.009	2.013	37332	935	5.389	NoCal #
3) TM	Methyl-t-...	2.178	2.177	21475	20790	NoCal	4.835 #
4) Z	2,2,4-Tri...	3.278	3.278	38234	8636	5.764	NoCal #
5) TM	Benzene	3.509	3.509	49820	63236	NoCal	4.778 #
6) TM	Toluene	4.881	4.881	51479	56741	NoCal	4.637 #
7) XH	C5-C8 ALI...	3.717	0.000	284049	0	47.932	N.D. #
9) TM	Ethylbenzene	6.122	6.122	49284	49672	NoCal	4.690 #
10) TM	m,p-Xylene	6.188	6.187	97868	114256	NoCal	9.222 #
11) TM	o-Xylene	6.559	6.558	49457	49516	NoCal	4.627 #
12) Z	n-Decane	7.152	7.152	24751	4594	4.226	NoCal #
13) Z	n-Butylcy...	7.822	7.822	32177	18542	5.028	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	377560	0	61.614	N.D. #
15) ZM	1,2,4-Tri...	7.716	7.716	47838	49294	NoCal	4.634 #
16) XH	C9-C10 AR...	10.410	8.424	21	117184	NoCal	11.017 #
17) TM	Naphthalene	10.246	10.245	31659	44071	NoCal	5.255 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

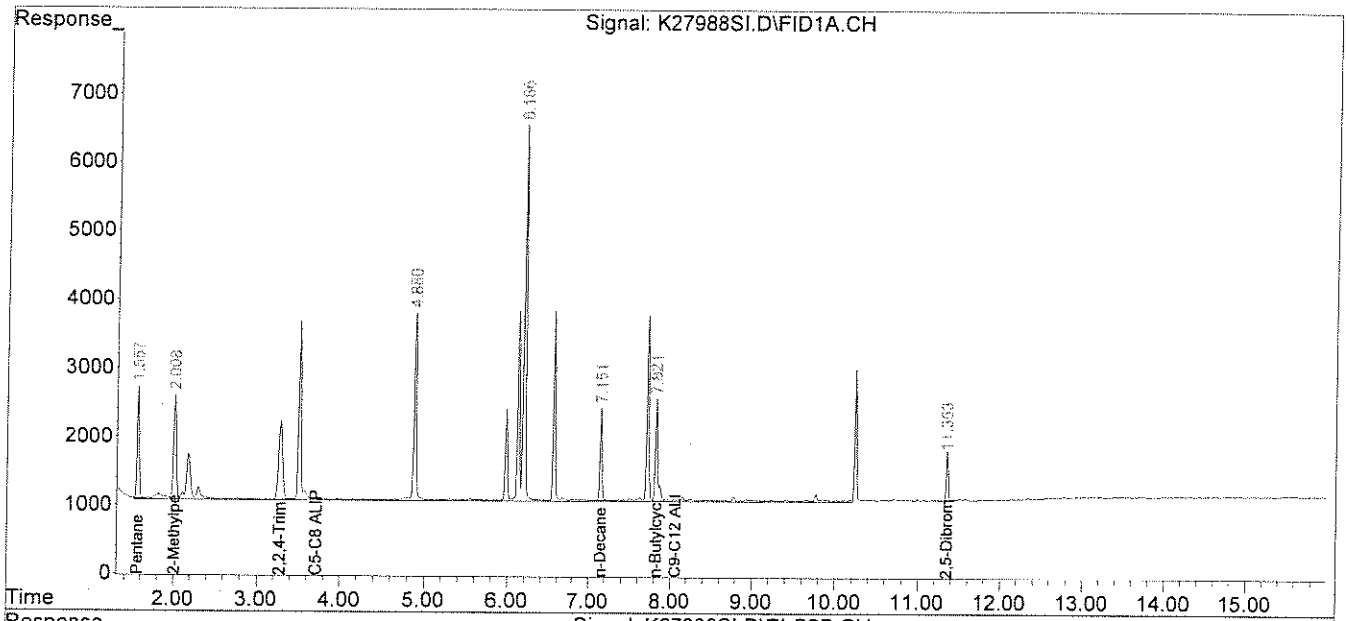
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27988SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:21 pm
Operator : JJL
Sample : VPH 5 UG/L
Misc : 5000
ALS Vial : 11 Sample Multiplier: 1

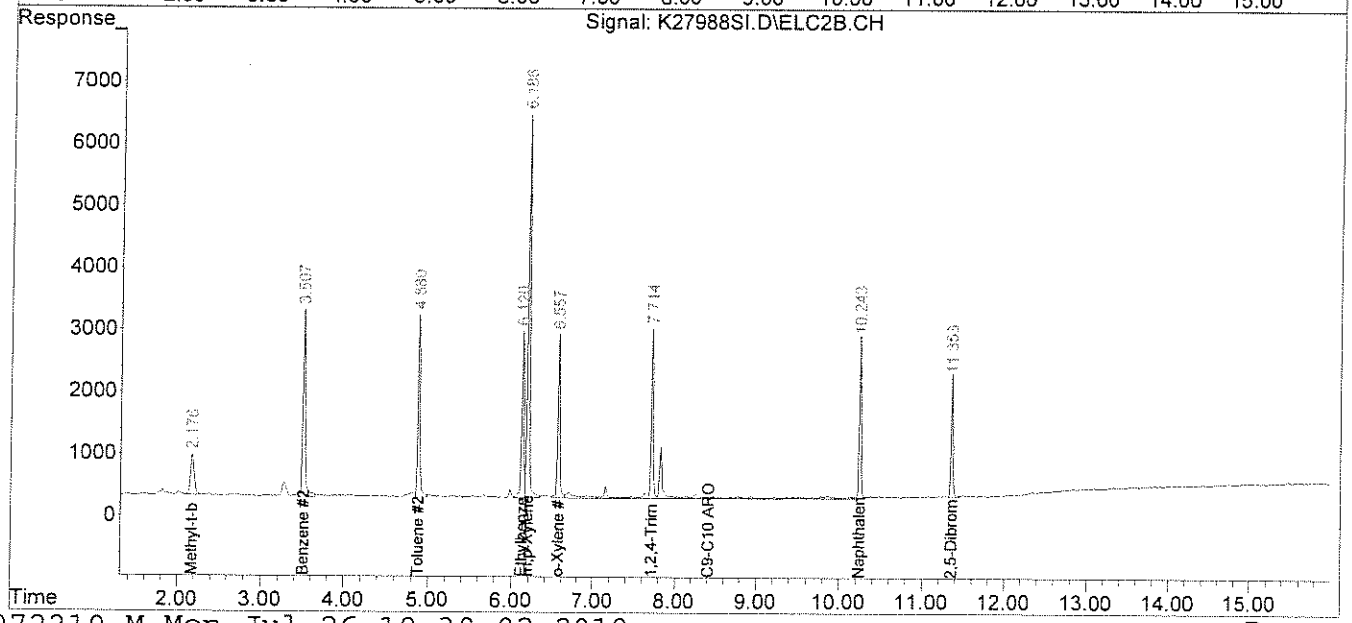
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27989SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:46 pm
Operator : JJL
Sample : VPH 20 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.354	11.354	51672	142985	21.603	20.965
	Spiked Amount 100.000 Range 70 - 130 Recovery =					21.60%#	20.97%#
	Target Compounds						
1) Z	Pentane	1.558	1.560	142930	1914	29.727	NoCal #
2) Z	2-Methylp...	2.009	2.009	164135	6953	23.695	NoCal #
3) TM	Methyl-t-...	2.177	2.177	86452	89681	NoCal	20.858 #
4) Z	2,2,4-Tri...	3.279	3.279	177924	37078	26.823	NoCal #
5) TM	Benzene	3.509	3.508	224880	261797	NoCal	19.781 #
6) TM	Toluene	4.881	4.881	219703	238095	NoCal	19.458 #
7) XH	C5-C8 ALI...	3.717	0.000	1082237	0	182.622	N.D. #
9) TM	Ethylbenzene	6.122	6.121	214077	209568	NoCal	19.787 #
10) TM	m,p-Xylene	6.188	6.187	432228	493591	NoCal	39.840 #
11) TM	o-Xylene	6.559	6.558	216641	209641	NoCal	19.588 #
12) Z	n-Decane	7.152	7.152	103821	15722	17.728	NoCal #
13) Z	n-Butylcy...	7.822	7.821	131857	75965	20.605	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	1472392	0	240.281	N.D. #
15) ZM	1,2,4-Tri...	7.716	7.715	208184	213051	NoCal	20.030 #
16) XH	C9-C10 AR...	10.410	8.424	15	359365	NoCal	33.786 #
17) TM	Naphthalene	10.245	10.245	135712	187732	NoCal	22.384 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

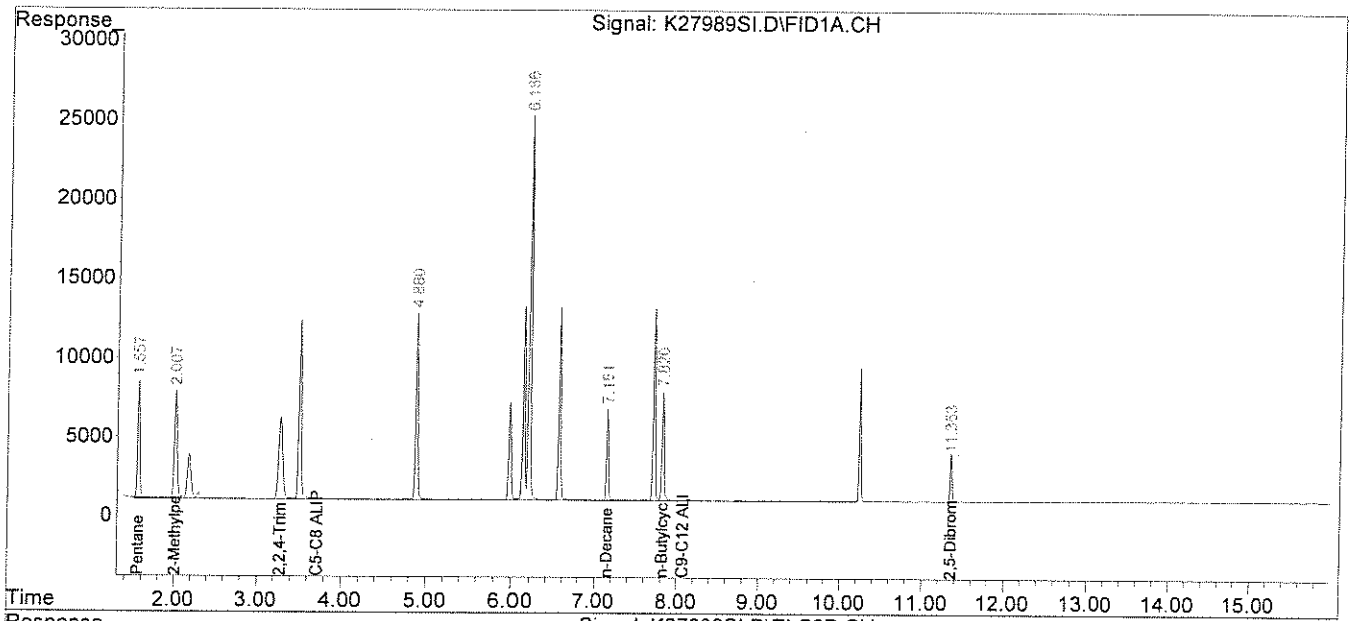
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27989SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:46 pm
Operator : JJL
Sample : VPH 20 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

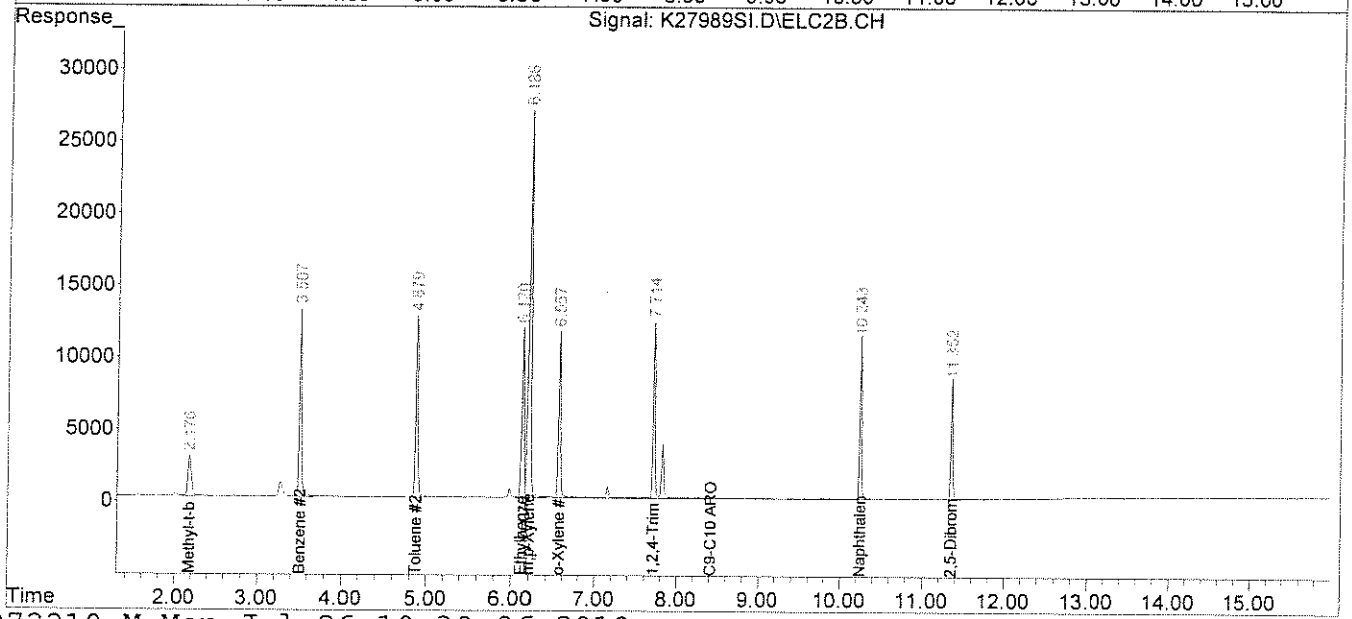
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27990SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:11 pm
Operator : JJL
Sample : VPH 50 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10
VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.355	11.354	135586	379266	56.686	55.609
Spiked Amount	100.000	Range	70 - 130	Recovery	=	56.69%#	55.61%#
	Target Compounds						
1) Z	Pentane	1.559	1.559	360111	5164	74.896	NoCal #
2) Z	2-Methylp...	2.009	2.009	412339	16154	59.526	NoCal #
3) TM	Methyl-t-...	2.177	2.177	219837	226301	NoCal	52.632 #
4) Z	2,2,4-Tri...	3.280	3.280	418763	84499	63.131	NoCal #
5) TM	Benzene	3.509	3.509	555846	656084	NoCal	49.572 #
6) TM	Toluene	4.881	4.881	551311	598686	NoCal	48.928 #
7) XH	C5-C8 ALI...	3.717	0.000	2615450	0	441.343	N.D. #
9) TM	Ethylbenzene	6.122	6.121	541215	530358	NoCal	50.076 #
10) TM	m,p-Xylene	6.188	6.188	1097619	1247921	NoCal	100.725 #
11) TM	o-Xylene	6.559	6.558	547299	530782	NoCal	49.594 #
12) Z	n-Decane	7.152	7.152	278934	40496	47.630	NoCal #
13) Z	n-Butylcy...	7.822	7.821	338833	193986	52.948	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	3696091	0	603.168	N.D. #
15) ZM	1,2,4-Tri...	7.716	7.715	533627	548257	NoCal	51.544 #
16) XH	C9-C10 AR...	10.410	8.424	54	849808	NoCal	79.895 #
17) TM	Naphthalene	10.245	10.245	353200	485287	NoCal	57.862 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

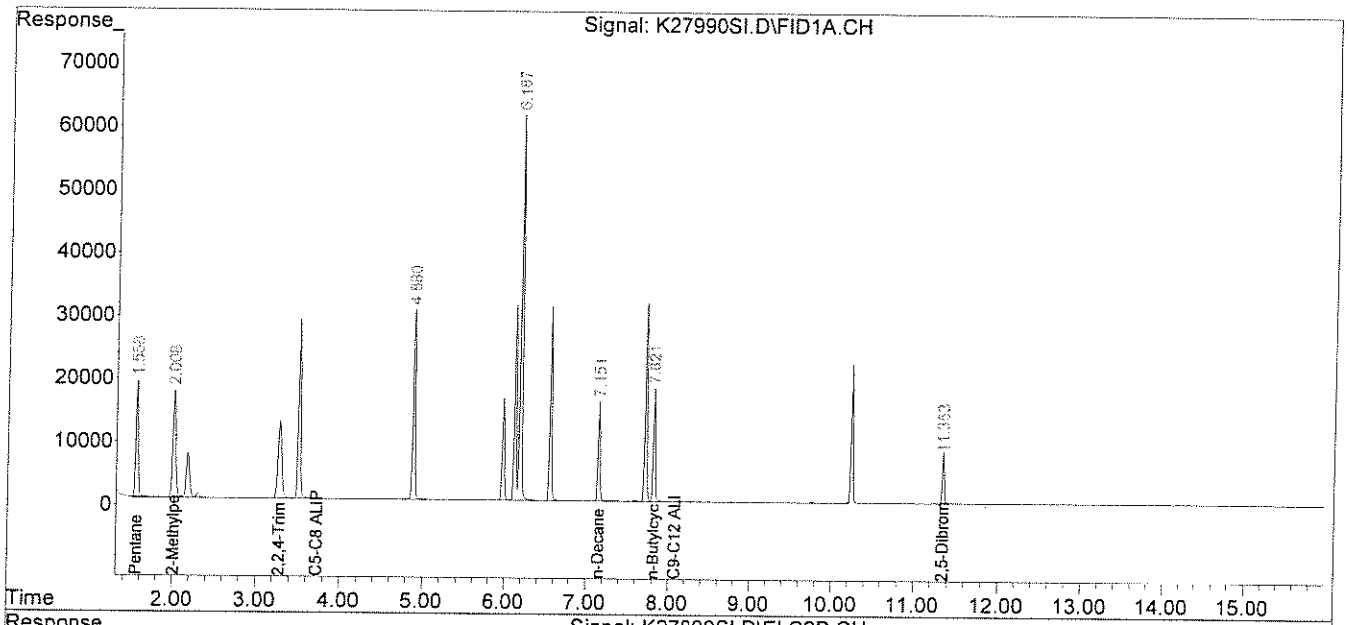
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27990SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:11 pm
Operator : JJL
Sample : VPH 50 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

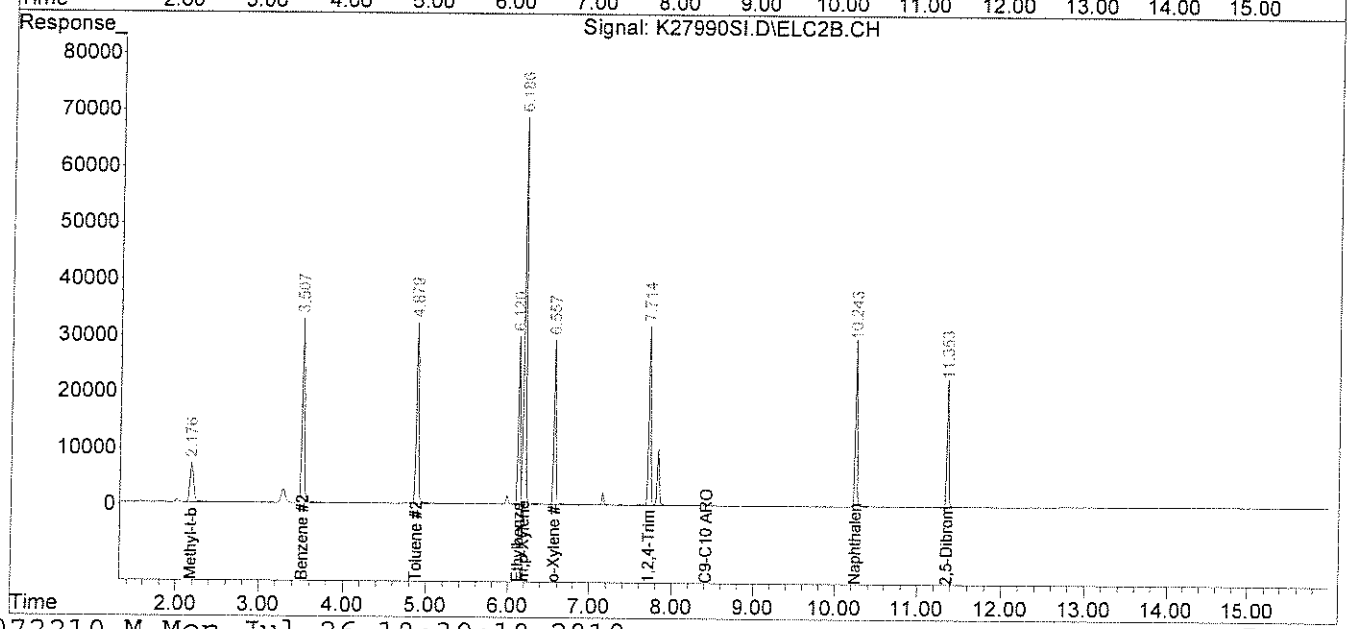
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27991SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:36 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:12:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	285904	815340	97.202	103.300	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	97.20%	103.30%
		Target Compounds							
1)	Z	Pentane	1.559	1.559	757038	9686	108.188	NoCal	#
2)	Z	2-Methylp...	2.009	2.009	868989	32171	106.171	NoCal	#
3)	TM	Methyl-t-...	2.178	2.177	438527	447939	NoCal	96.052	#
4)	Z	2,2,4-Tri...	3.280	3.280	799271	162150	103.574	NoCal	#
5)	TM	Benzene	3.510	3.509	1127517	1320966	NoCal	101.517	#
6)	TM	Toluene	4.882	4.881	1117393	1223183	NoCal	102.568	#
7)	XH	C5-C8 ALI...	3.717	0.000	5246542	0	716.286	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1106103	1087175	NoCal	99.501	#
10)	TM	m,p-Xylene	6.190	6.189	2249248	2565975	NoCal	204.524	#
11)	TM	o-Xylene	6.560	6.559	1115798	1082680	NoCal	96.788	#
12)	Z	n-Decane	7.153	7.153	799691	117574	115.954	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	802941	461864	109.075	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7979371	0	1119.285	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.716	1100720	1135642	NoCal	96.274	#
16)	XH	C9-C10 AR...	10.410	8.424	20	1807342	NoCal	153.217	#
17)	TM	Naphthalene	10.246	10.245	721604	997055	NoCal	97.824	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

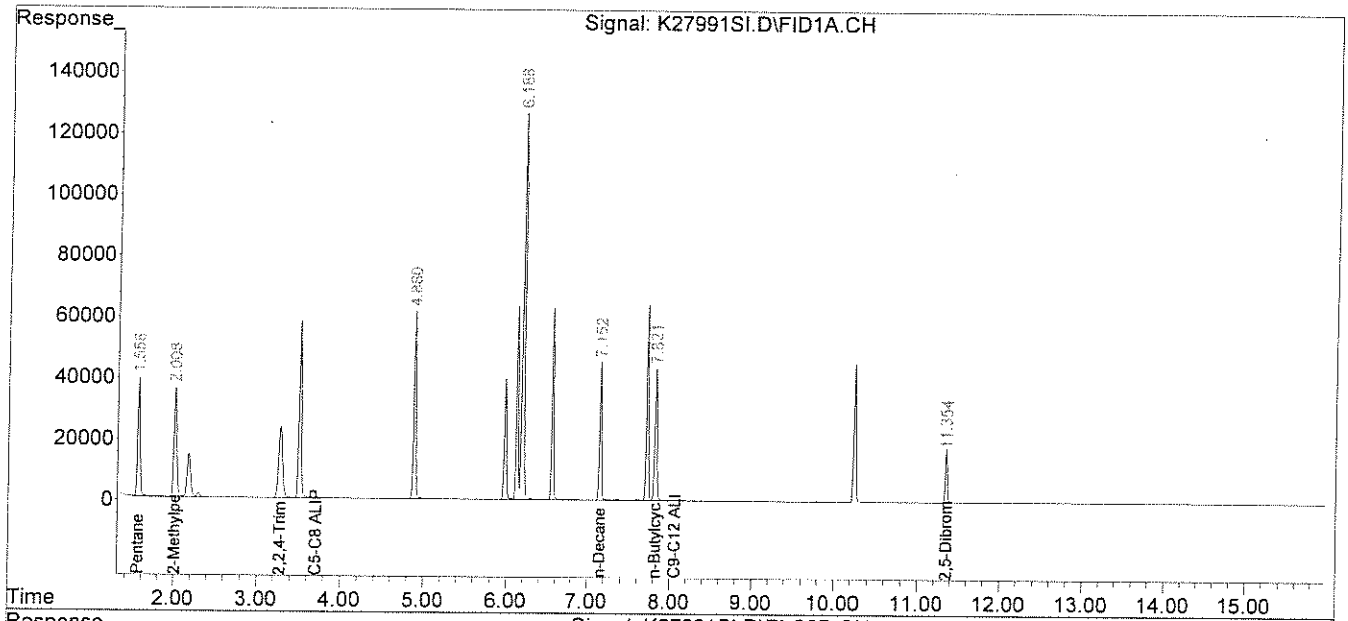
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27991SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:36 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

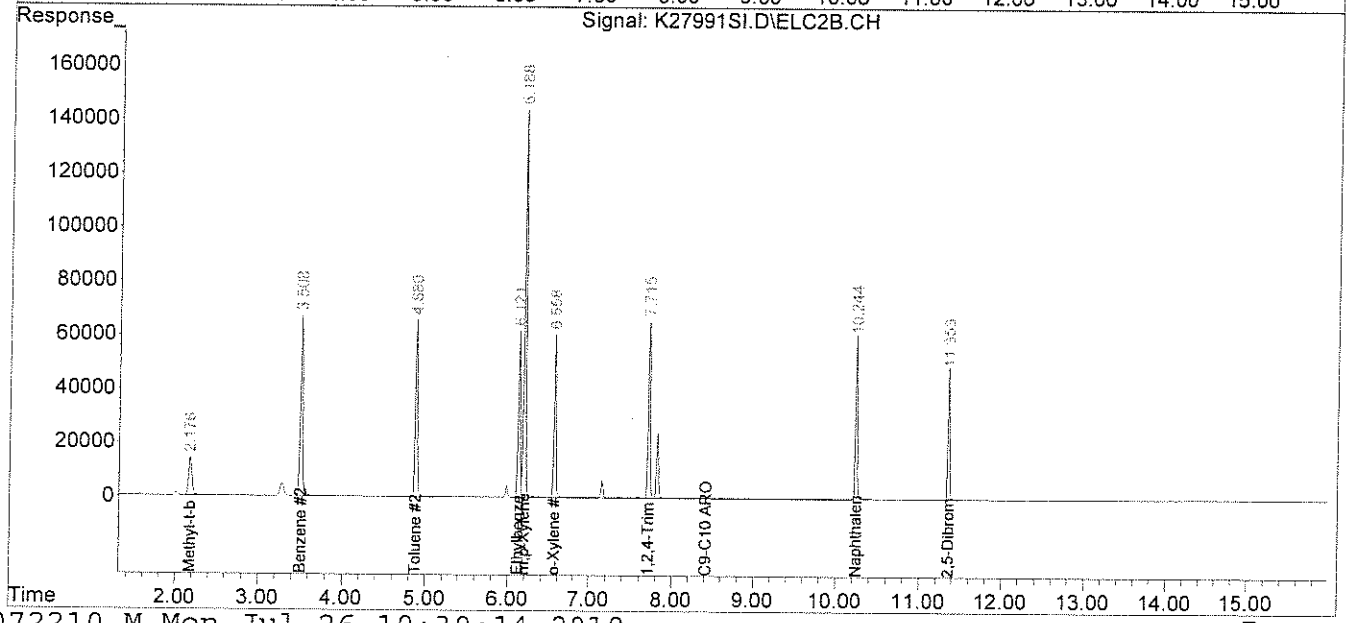
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:12:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

MMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27992SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:00 pm
Operator : JJL
Sample : VPH 200 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.356	11.355	573767	1641106	239.880	240.622	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	239.88%#	240.62%#
		Target Compounds							
1)	Z	Pentane	1.560	1.559	1489524	22671	309.791	NoCal	#
2)	Z	2-Methylp...	2.010	2.009	1701064	67354	245.570	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	852664	873179	NoCal	203.081	#
4)	Z	2,2,4-Tri...	3.281	3.281	1341020	278226	202.168	NoCal	#
5)	TM	Benzene	3.510	3.509	2234430	2633185	NoCal	198.955	#
6)	TM	Toluene	4.883	4.882	2222155	2428518	NoCal	198.472	#
7)	XH	C5-C8 ALI...	3.717	0.000	10054754	0	1696.684	N.D.	#
9)	TM	Ethylbenzene	6.124	6.124	2202865	2170453	NoCal	204.931	#
10)	TM	m,p-Xylene	6.191	6.191	4475121	5070193	NoCal	409.237	#
11)	TM	o-Xylene	6.560	6.560	2219154	2155584	NoCal	201.411	#
12)	Z	n-Decane	7.154	7.154	1731319	253392	295.635	NoCal	#
13)	Z	n-Butylcy...	7.823	7.823	1724578	987446	269.494	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	16235446	0	2649.476	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.717	2196553	2270927	NoCal	213.501	#
16)	XH	C9-C10 AR...	10.410	8.424	218	3642615	NoCal	342.460	#
17)	TM	Naphthalene	10.247	10.246	1421440	1959201	NoCal	233.600	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

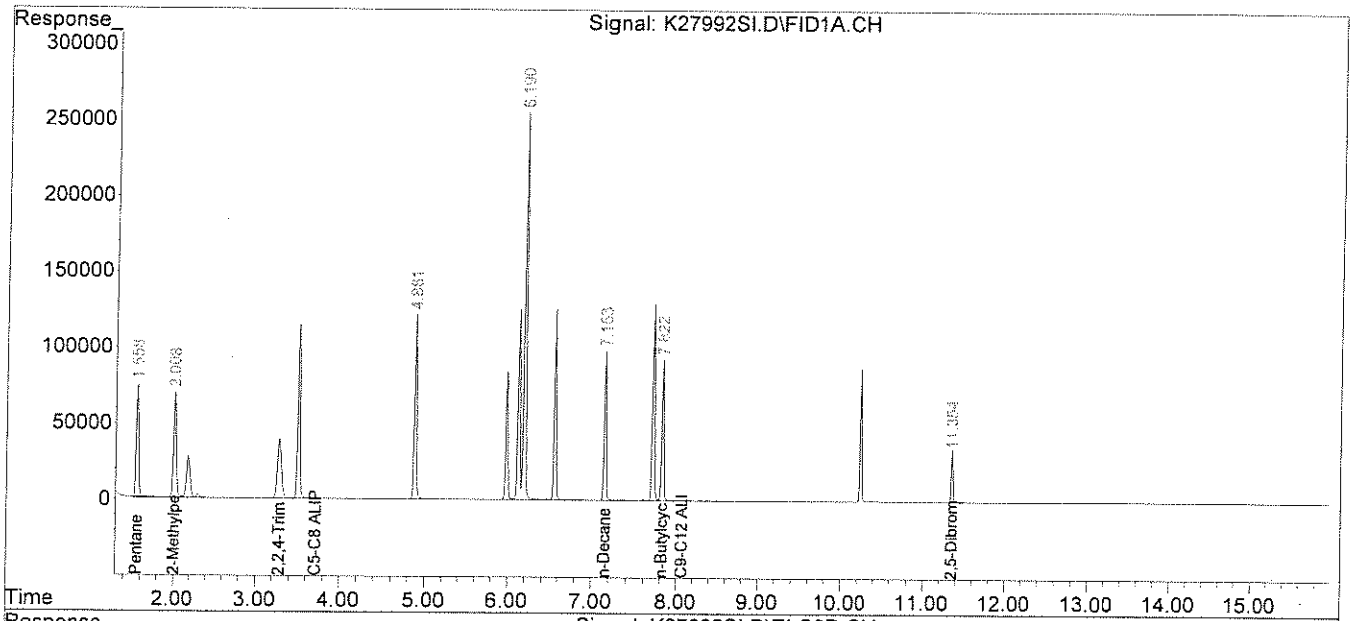
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27992SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:00 pm
Operator : JJL
Sample : VPH 200 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

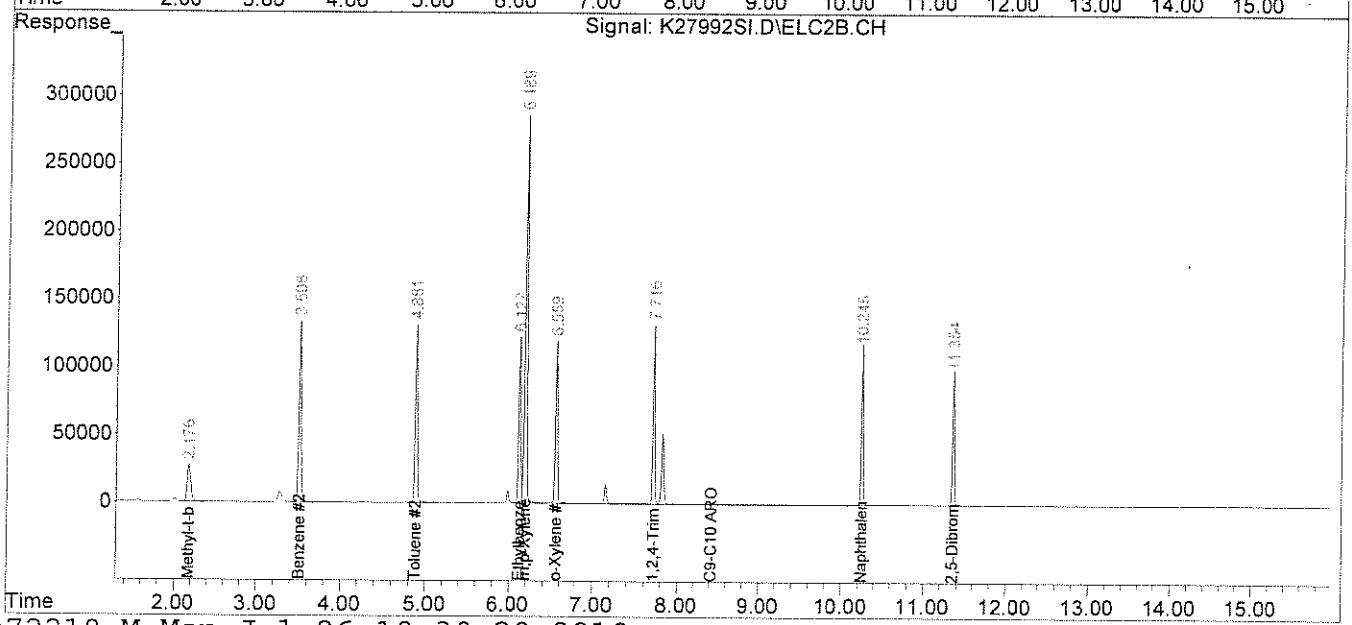
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

BB 7/26/10

MTT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27994SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:50 pm
Operator : JJL
Sample : VPH 500 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:22:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.358	11.358	1516288	4393616	633.927	644.200	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	633.93%#	644.20%#
		Target Compounds							
1)	Z	Pentane	1.563	1.563	3340630	49930	694.784	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	3820973	149080	551.605	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	2093459	2099278	NoCal	488.244	#
4)	Z	2,2,4-Tri...	3.281	3.281	2355729	492506	355.142	NoCal	#
5)	TM	Benzene	3.512	3.511	5595001	6576942	NoCal	496.932	#
6)	TM	Toluene	4.885	4.884	5572149	6086295	NoCal	497.405	#
7)	XH	C5-C8 ALI...	3.717	0.000	23833000	0	4021.686	N.D.	#
9)	TM	Ethylbenzene	6.128	6.127	5552765	5457691	NoCal	515.307	#
10)	TM	m,p-Xylene	6.198	6.197	11281535	12618733	NoCal	1018.513	#
11)	TM	o-Xylene	6.564	6.563	5686501	5485280	NoCal	512.526	#
12)	Z	n-Decane	7.158	7.157	4528311	672488	773.240	NoCal	#
13)	Z	n-Butylcy...	7.827	7.827	4806171	2727272	751.045	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	42134988	0	6876.044	N.D.	#
15)	ZM	1,2,4-Tri...	7.722	7.721	5665905	5848096	NoCal	549.808	#
16)	XH	C9-C10 AR...	10.410	8.424	201	9613009	NoCal	903.766	#
17)	TM	Naphthalene	10.250	10.249	3644004	5031020	NoCal	599.860	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

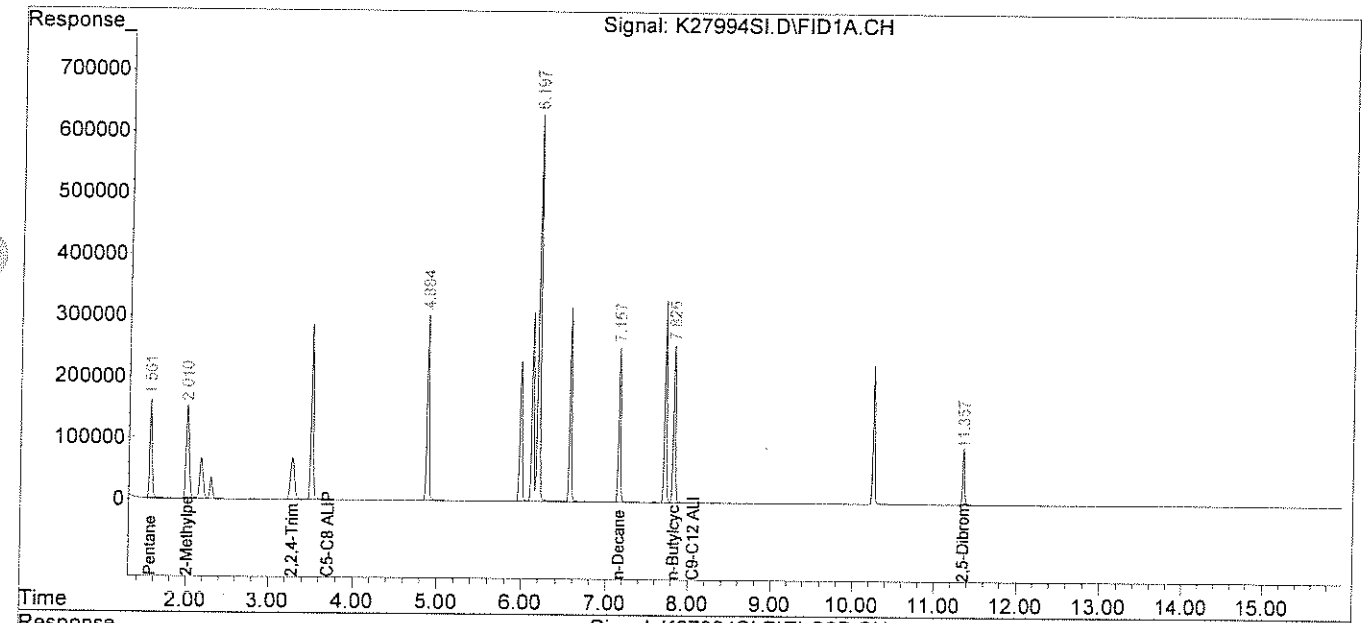
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27994SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:50 pm
Operator : JJL
Sample : VPH 500 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

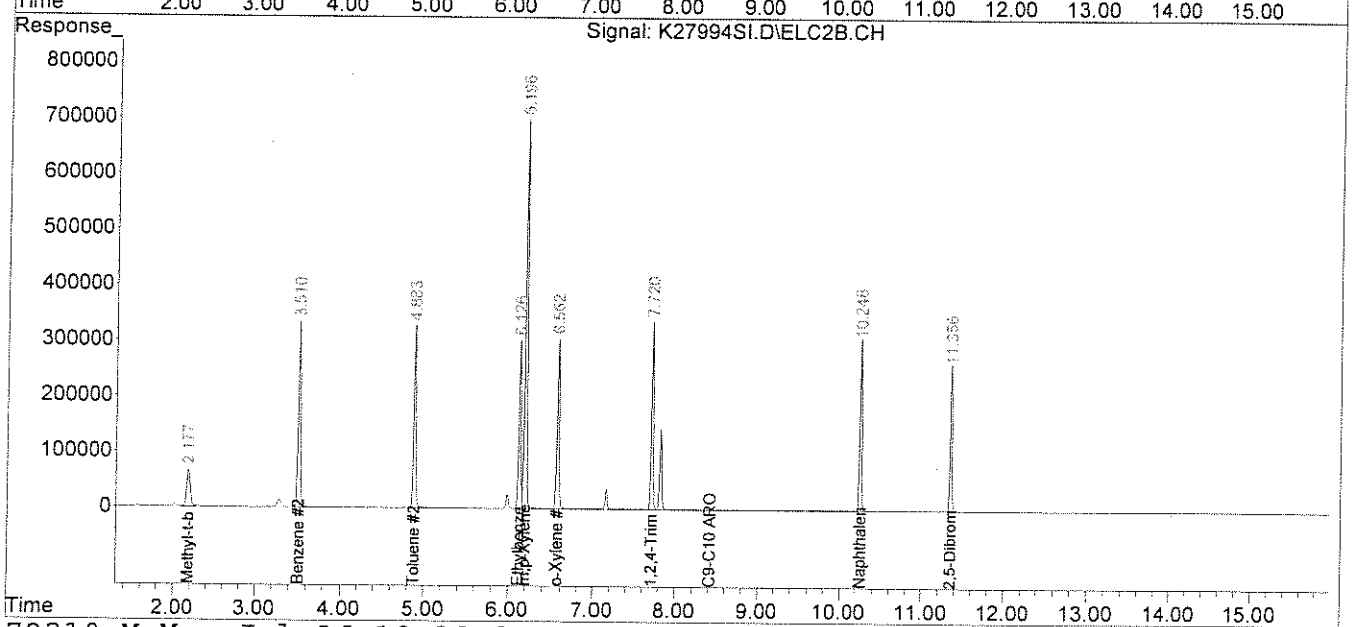
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:22:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS AQUEOUS
LABORATORY CONTROL SAMPLE

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: LV072210K,ICV
Spike: LV072210K,ICV

gs 7/26/10
VMT 7/26/10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
Pentane	100	70	130	0.0	119	119	
2-Methylpentane	100	70	130	0.0	111	111	
2,2,4-Trimethylpentane	100	70	130	0.0	96	96	
n-Decane	100	70	130	0.0	111	111	
n-Butylcyclohexane	100	70	130	0.0	102	102	
Methyl-t-butylether #2	100	70	130	0.0	95	95	
Benzene #2	100	70	130	0.0	103	103	
Toluene #2	100	70	130	0.0	103	103	
Ethylbenzene #2	100	70	130	0.0	99	99	
m,p-Xylene #2	200	70	130	0.0	204	102	
o-Xylene #2	100	70	130	0.0	97	97	
1,2,4-Trimethylbenzene #2	100	70	130	0.0	97	97	
Naphthalene #2	100	70	130	0.0	100	100	
C5-C8 Aliphatics	300	70	130	0.0	326	109	
C9-C12 Aliphatics	200	70	130	0.0	213	107	
C9-C10 Aromatics #2	100	70	130	0.0	97	97	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VPH FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27996SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 8:40 pm
Operator : JJL
Sample : LV072210K,ICV
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
System Monitoring Compounds									
18)	S	2,5-Dibro...	11.355	11.354	285249	798627	96.979	101.183	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	96.98% ✓ 101.18% ✓	
Target Compounds									
1)	Z	Pentane	1.561	1.561	834987	10878	119.328	NoCal	#
2)	Z	2-Methylp...	2.010	2.010	908647	31451	111.017	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	442200	444065	NoCal	95.221	#
4)	Z	2,2,4-Tri...	3.281	3.280	737656	145579	95.590	NoCal	#
5)	TM	Benzene	3.510	3.509	1150422	1337308	NoCal	102.773	#
6)	TM	Toluene	4.882	4.881	1133173	1225710	NoCal	102.780	#
7)	XH	C5-C8 ALI...	3.717	0.000	5289562	0	722.160	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1116218	1086585	NoCal	99.447	#
10)	TM	m,p-Xylene	6.189	6.189	2257214	2559629	NoCal	204.018	#
11)	TM	o-Xylene	6.560	6.559	1125050	1087200	NoCal	97.192	#
12)	Z	n-Decane	7.153	7.153	765948	107246	111.061	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	751300	425339	102.060	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7886409	0	1106.244	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	1124367	1147407	NoCal	97.271	#
16)	XH	C9-C10 AR...	10.410	8.424	108	1773360	NoCal	150.336	#
17)	TM	Naphthalene	10.246	10.245	748130	1019126	NoCal	99.989	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

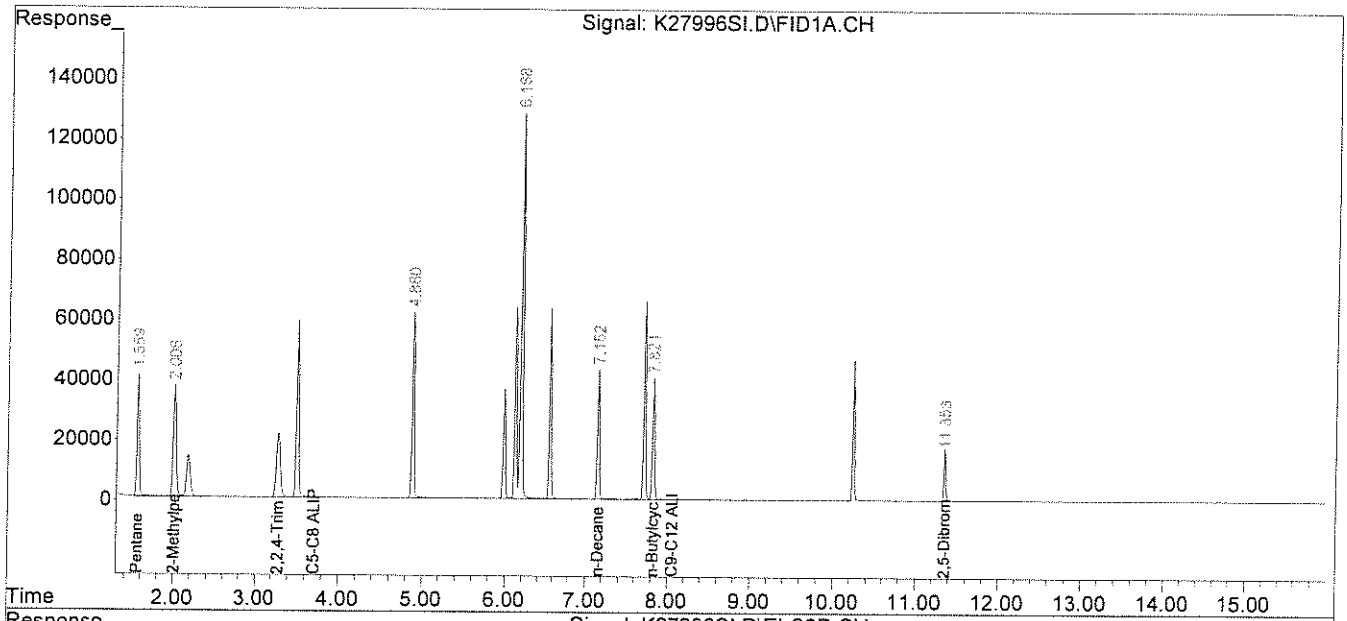
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27996SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 8:40 pm
Operator : JJL
Sample : LV072210K,ICV
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

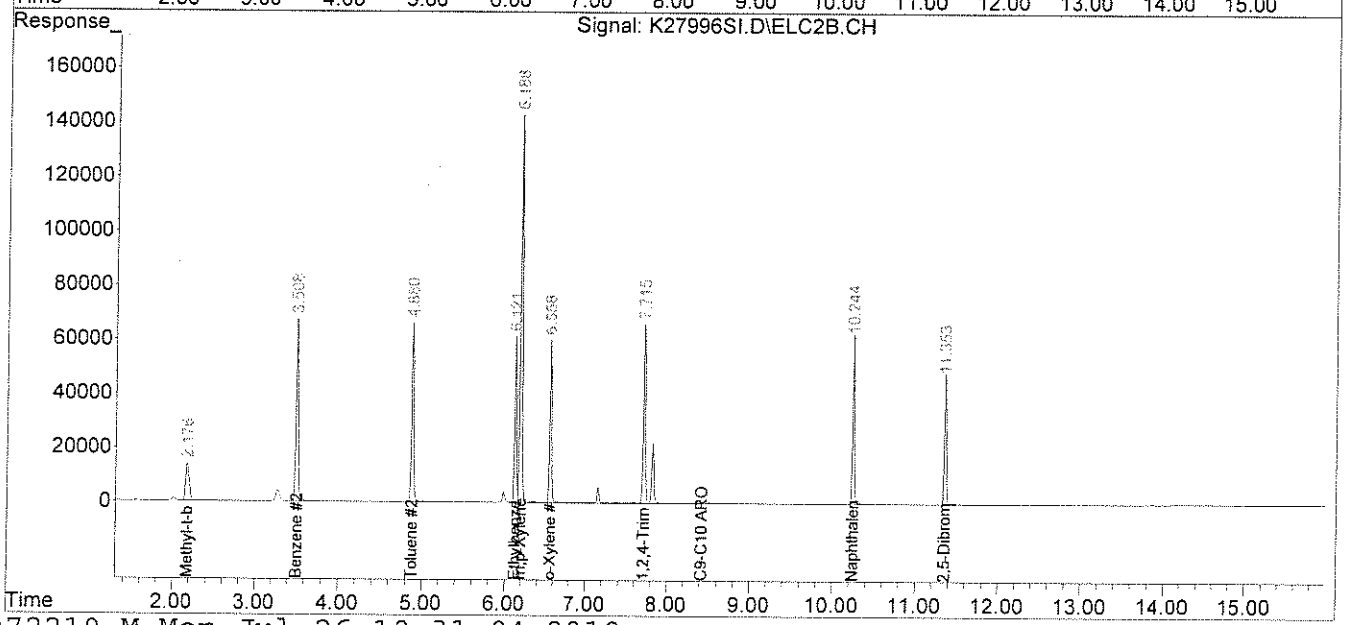
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

MTT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28514SC.D

8/17/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	105	5.4	
2-Methylpentane	105	5.2	
2,2,4-Trimethylpentane	111	10.7	
n-Decane	118	18.2	
n-Butylcyclohexane	111	10.8	
2,5-Dibromotoluene	92	8.1	
Methyl-t-butylether #2	96	4.0	
Benzene #2	103	2.6	
Toluene #2	104	3.9	
Ethylbenzene #2	100	0.5	
m,p-Xylene #2	207	3.3	
o-Xylene #2	98	1.7	
1,2,4-Trimethylbenzene #2	97	3.0	
Naphthalene #2	95	5.3	
2,5-Dibromotoluene #2	97	2.8	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT
8/19/10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28514SC.D
Date Acquired 8/16/2010 9:34

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5617	1.5680	0.0063	0.0438	OK	105.36	5.36	OK
2-Methylpentane	2.0111	2.0150	0.0039	0.0447	OK	105.18	5.18	OK
2,2,4-Trimethylpentane	3.2819	3.2850	0.0031	0.0405	OK	110.69	10.69	OK
C5-C8 ALIPHATICS						321.23	7.08	OK
n-Decane	7.1528	7.1540	0.0012	0.0380	OK	118.20	18.20	OK
n-Butylcyclohexane	7.8224	7.8240	0.0016	0.0380	OK	110.81	10.81	OK
C9-C12 ALIPHATICS						229.00	14.50	OK
2,5-Dibromotoluene	11.3541	11.3580	0.0039	0.0380	OK	91.92	8.08	OK
PID								
Methyl-t-butylether #2	2.1789	2.1830	0.0041	0.0447	OK	95.97	4.03	OK
Benzene #2	3.5097	3.5120	0.0023	0.0380	OK	102.63	2.63	OK
Toluene #2	4.8814	4.8830	0.0016	0.0344	OK	103.91	3.91	OK
Ethylbenzene #2	6.1219	6.1240	0.0021	0.0344	OK	100.46	0.46	OK
m,p-Xylene #2	6.1886	6.1900	0.0014	0.0344	OK	206.67	3.33	OK
o-Xylene #2	6.5586	6.5610	0.0024	0.0344	OK	98.32	1.68	OK
1,2,4-Trimethylbenzene #2	7.7158	7.7180	0.0022	0.0344	OK	96.96	3.04	OK
C9-C10 AROMATICS #2						96.96	3.04	OK
Naphthalene #2	10.2445	10.2480	0.0035	0.0344	OK	94.71	5.29	OK
2,5-Dibromotoluene #2	11.3536	11.3570	0.0034	0.0344	OK	97.24	2.76	OK

gg 8/17/10

VMT 8/19/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28514SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 9:34 am
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 16 09:51:18 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	270377	767491	91.923	97.238	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	91.92%	97.24%
	Target Compounds							
1) Z	Pentane	1.562	1.562	737220	10531	105.356	NoCal	#
2) Z	2-Methylp...	2.011	2.011	860904	34084	105.184	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	444289	447572	NoCal	95.973	#
4) Z	2,2,4-Tri...	3.282	3.282	854174	176370	110.689	NoCal	#
5) TM	Benzene	3.510	3.510	1144250	1335426	NoCal	102.628	#
6) TM	Toluene	4.882	4.881	1129241	1239191	NoCal	103.910	#
7) XH	C5-C8 ALI...	3.717	0.000	5458227	0	745.187	N.D.	#
9) TM	Ethylbenzene	6.122	6.122	1119402	1097706	NoCal	100.465	#
10) TM	m,p-Xylene	6.189	6.189	2278382	2592849	NoCal	206.666	#
11) TM	o-Xylene	6.559	6.559	1132686	1099878	NoCal	98.325	#
12) Z	n-Decane	7.153	7.152	815166	120347	118.198	NoCal	#
13) Z	n-Butylcy...	7.822	7.822	815688	469785	110.807	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	8110131	0	1137.627	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.716	1109880	1143744	NoCal	96.960	#
16) XH	C9-C10 AR...	10.410	8.424	6	1837394	NoCal	155.764	#
17) TM	Naphthalene	10.245	10.245	702690	965331	NoCal	94.711	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMT 8/19/10

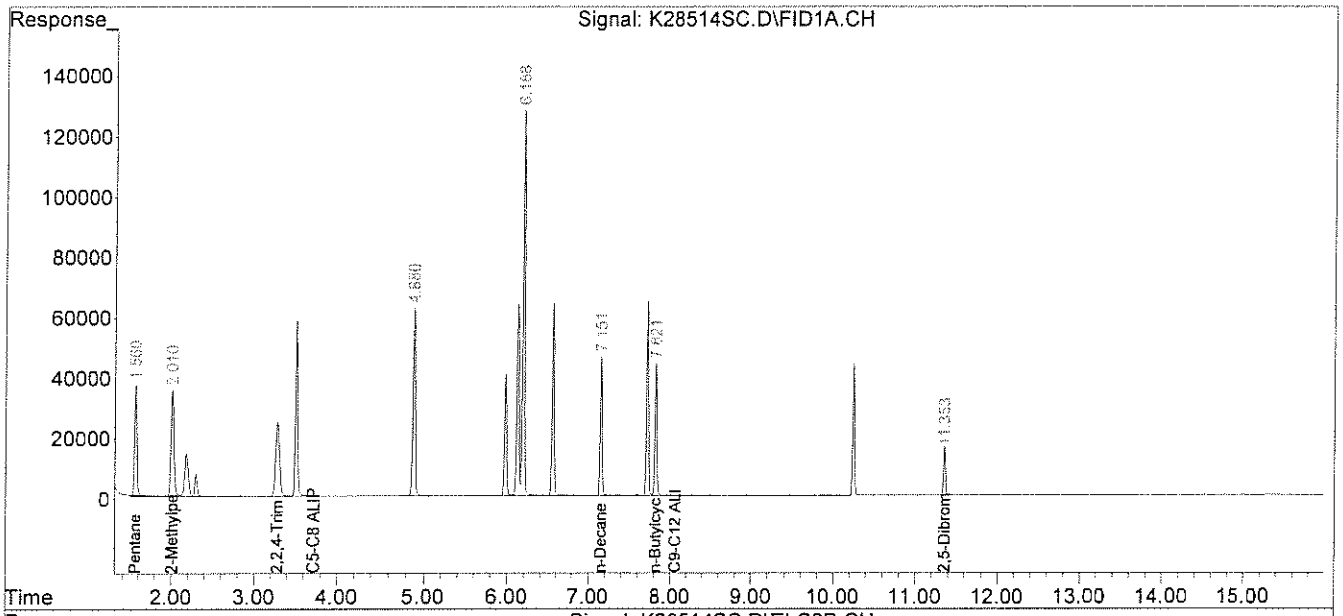
Quantitation Report (Not Reviewed)

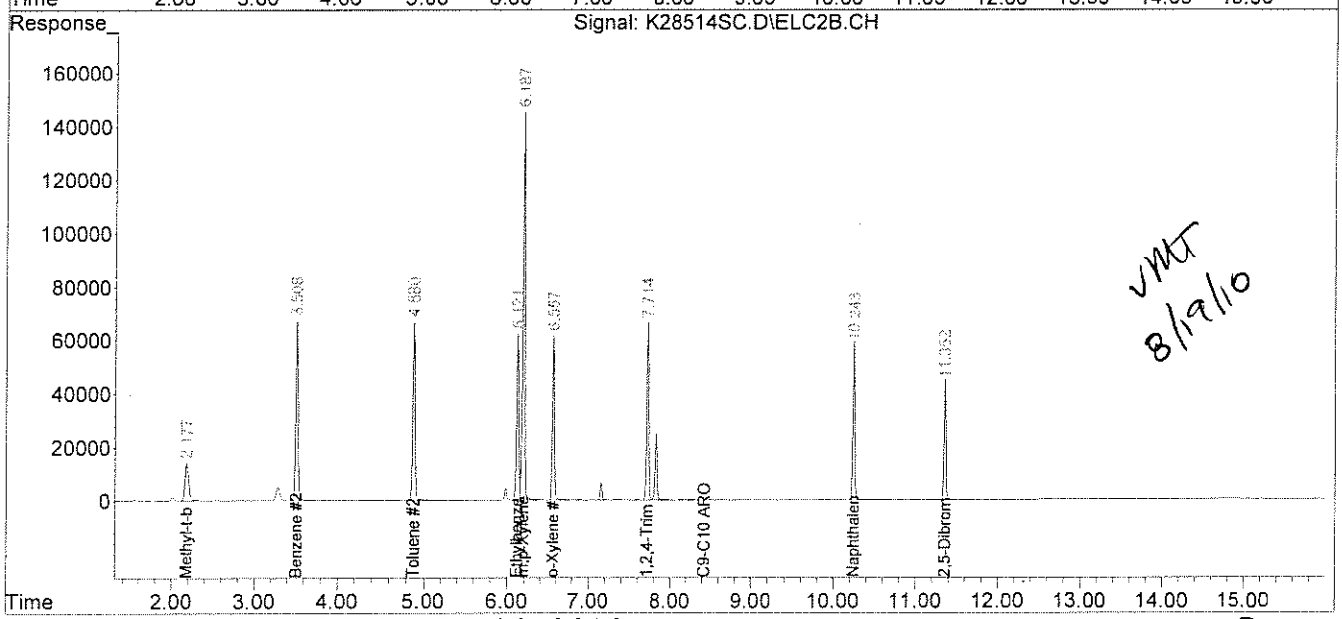
Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28514SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 9:34 am
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 16 09:51:18 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28531SC.D

8/17/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	104	3.6	
2-Methylpentane	103	3.3	
2,2,4-Trimethylpentane	107	6.6	
n-Decane	112	11.6	
n-Butylcyclohexane	107	7.3	
2,5-Dibromotoluene	96	3.5	
Methyl-t-butylether #2	92	8.3	
Benzene #2	99	0.6	
Toluene #2	100	0.3	
Ethylbenzene #2	98	2.1	
m,p-Xylene #2	201	0.3	
o-Xylene #2	95	5.0	
1,2,4-Trimethylbenzene #2	94	5.7	
Naphthalene #2	93	7.1	
2,5-Dibromotoluene #2	99	0.9	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

8/19/10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28531SC.D
Date Acquired 8/16/2010 18:14

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5623	1.5680	0.0057	0.0438	OK	103.57	3.57	OK
2-Methylpentane	2.0114	2.0150	0.0036	0.0447	OK	103.30	3.30	OK
2,2,4-Trimethylpentane	3.2820	3.2850	0.0030	0.0405	OK	106.63	6.63	OK
C5-C8 ALIPHATICS						313.51	4.50	OK
n-Decane	7.1529	7.1540	0.0011	0.0380	OK	111.55	11.55	OK
n-Butylcyclohexane	7.8223	7.8240	0.0017	0.0380	OK	107.30	7.30	OK
C9-C12 ALIPHATICS						218.85	9.43	OK
2,5-Dibromotoluene	11.3549	11.3580	0.0031	0.0380	OK	96.46	3.54	OK
PID								
Methyl-t-butylether #2	2.1791	2.1830	0.0039	0.0447	OK	91.67	8.33	OK
Benzene #2	3.5099	3.5120	0.0021	0.0380	OK	99.39	0.61	OK
Toluene #2	4.8816	4.8830	0.0015	0.0344	OK	100.25	0.25	OK
Ethylbenzene #2	6.1221	6.1240	0.0019	0.0344	OK	97.94	2.06	OK
m,p-Xylene #2	6.1889	6.1900	0.0011	0.0344	OK	200.58	0.29	OK
o-Xylene #2	6.5588	6.5610	0.0023	0.0344	OK	95.02	4.98	OK
1,2,4-Trimethylbenzene #2	7.7159	7.7180	0.0021	0.0344	OK	94.34	5.66	OK
C9-C10 AROMATICS #2						94.34	5.66	OK
Naphthalene #2	10.2451	10.2480	0.0029	0.0344	OK	92.85	7.15	OK
2,5-Dibromotoluene #2	11.3543	11.3570	0.0027	0.0344	OK	99.09	0.91	OK

gg 8/17/10

JMT
8/19/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28531SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 6:14 pm
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 08:34:43 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	283719	782105	96.459	99.089	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 96.46% 99.09%							
		Target Compounds							
1)	Z	Pentane	1.562	1.562	724719	9717	103.570	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	845510	29697	103.303	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	441009	427512	NoCal	91.672	#
4)	Z	2,2,4-Tri...	3.282	3.282	822885	159985	106.634	NoCal	#
5)	TM	Benzene	3.510	3.510	1144721	1293245	NoCal	99.387	#
6)	TM	Toluene	4.882	4.882	1132261	1195550	NoCal	100.251	#
7)	XH	C5-C8 ALI...	3.717	0.000	5362164	0	732.072	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1123596	1070160	NoCal	97.943	#
10)	TM	m,p-Xylene	6.189	6.189	2279070	2516538	NoCal	200.583	#
11)	TM	o-Xylene	6.559	6.559	1133572	1062920	NoCal	95.021	#
12)	Z	n-Decane	7.153	7.152	769332	106414	111.552	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	789897	437740	107.303	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	8048824	0	1129.027	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	1117382	1112851	NoCal	94.341	#
16)	XH	C9-C10 AR...	10.410	8.424	28	1755172	NoCal	148.794	#
17)	TM	Naphthalene	10.246	10.245	709948	946366	NoCal	92.850	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMT 8/17/10

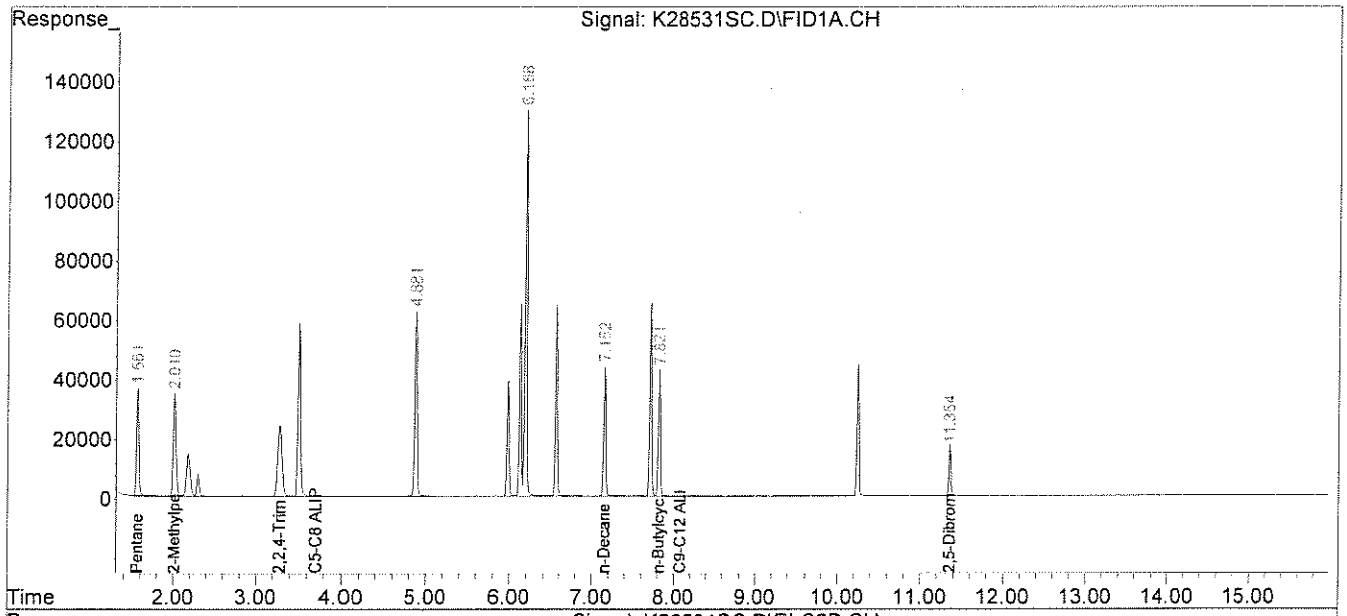
Quantitation Report (Not Reviewed)

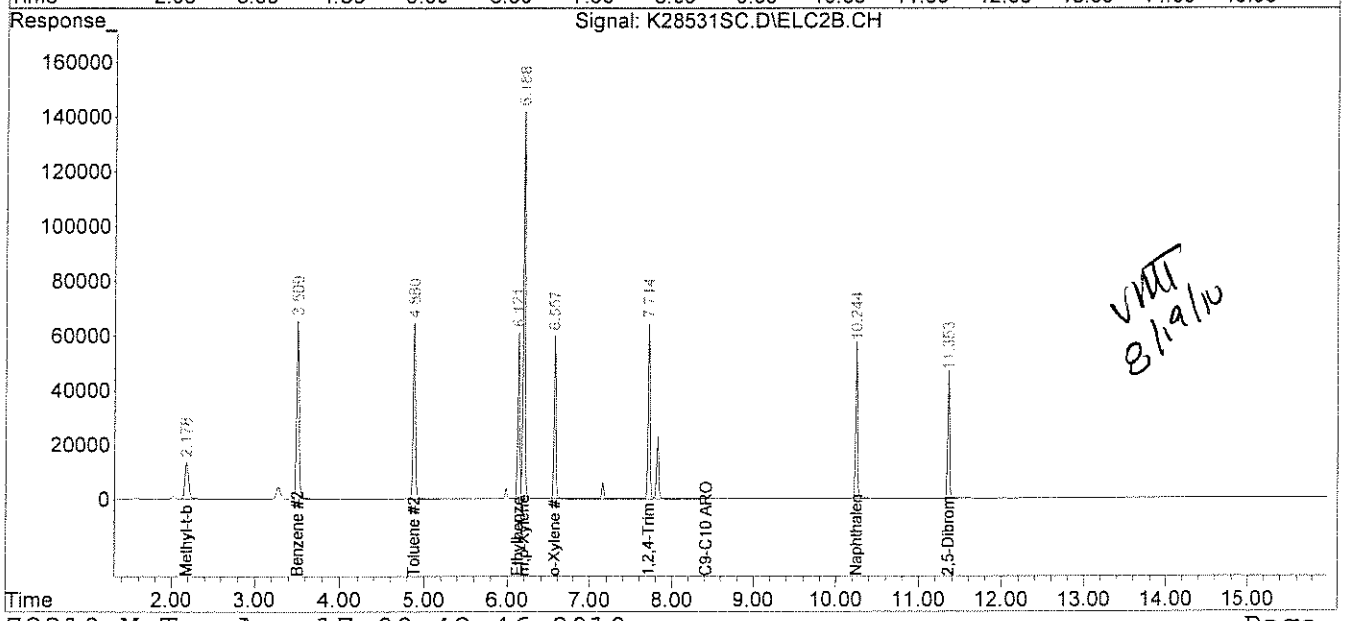
Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28531SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 6:14 pm
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 08:34:43 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28532SC.D

8/17/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	103	3.2	
2-Methylpentane	103	3.2	
2,2,4-Trimethylpentane	109	9.3	
n-Decane	115	14.6	
n-Butylcyclohexane	108	8.3	
2,5-Dibromotoluene	98	1.9	
Methyl-t-butylether #2	93	6.6	
Benzene #2	101	1.1	
Toluene #2	102	2.1	
Ethylbenzene #2	100	0.2	
m,p-Xylene #2	205	2.3	
o-Xylene #2	97	3.0	
1,2,4-Trimethylbenzene #2	96	3.7	
Naphthalene #2	95	5.1	
2,5-Dibromotoluene #2	101	0.5	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT
8/19/10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28532SC.D
Date Acquired 8/16/2010 18:38

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5620	1.5680	0.0060	0.0438	OK	103.16	3.16	OK
2-Methylpentane	2.0114	2.0150	0.0036	0.0447	OK	103.17	3.17	OK
2,2,4-Trimethylpentane	3.2822	3.2850	0.0028	0.0405	OK	109.34	9.34	OK
C5-C8 ALIPHATICS						315.67	5.22	OK
n-Decane	7.1529	7.1540	0.0011	0.0380	OK	114.61	14.61	OK
n-Butylcyclohexane	7.8224	7.8240	0.0016	0.0380	OK	108.28	8.28	OK
C9-C12 ALIPHATICS						222.89	11.44	OK
2,5-Dibromotoluene	11.3545	11.3580	0.0035	0.0380	OK	98.10	1.90	OK
PID								
Methyl-t-butylether #2	2.1791	2.1830	0.0039	0.0447	OK	93.35	6.65	OK
Benzene #2	3.5100	3.5120	0.0020	0.0380	OK	101.14	1.14	OK
Toluene #2	4.8818	4.8830	0.0012	0.0344	OK	102.12	2.12	OK
Ethylbenzene #2	6.1223	6.1240	0.0017	0.0344	OK	100.21	0.21	OK
m,p-Xylene #2	6.1890	6.1900	0.0010	0.0344	OK	204.65	2.32	OK
o-Xylene #2	6.5588	6.5610	0.0022	0.0344	OK	97.00	3.00	OK
1,2,4-Trimethylbenzene #2	7.7162	7.7180	0.0018	0.0344	OK	96.33	3.67	OK
C9-C10 AROMATICS #2						96.33	3.67	OK
Naphthalene #2	10.2451	10.2480	0.0029	0.0344	OK	94.92	5.08	OK
2,5-Dibromotoluene #2	11.3539	11.3570	0.0031	0.0344	OK	100.53	0.53	OK

8/17/10

VMT 8/19/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28532SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 6:38 pm
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 08:35:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	288537	793509	98.097	100.534	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	98.10%	100.53%
	Target Compounds							
1) Z	Pentane	1.562	1.562	721864	9003	103.162	NoCal	#
2) Z	2-Methylp...	2.011	2.011	844405	28930	103.168	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	449294	435344	NoCal	93.351	#
4) Z	2,2,4-Tri...	3.282	3.282	843736	161576	109.336	NoCal	#
5) TM	Benzene	3.510	3.510	1172187	1316019	NoCal	101.137	#
6) TM	Toluene	4.882	4.882	1160718	1217846	NoCal	102.121	#
7) XH	C5-C8 ALI...	3.717	0.000	5443424	0	743.166	N.D.	#
9) TM	Ethylbenzene	6.123	6.122	1148347	1094956	NoCal	100.213	#
10) TM	m,p-Xylene	6.189	6.189	2326685	2567510	NoCal	204.646	#
11) TM	o-Xylene	6.559	6.559	1153440	1085068	NoCal	97.001	#
12) Z	n-Decane	7.153	7.152	790433	108995	114.611	NoCal	#
13) Z	n-Butylcy...	7.822	7.822	797068	440173	108.278	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	8188639	0	1148.639	N.D.	#
15) ZM	1,2,4-Tri...	7.717	7.716	1139643	1136261	NoCal	96.326	#
16) XH	C9-C10 AR...	10.410	8.424	32	1782041	NoCal	151.072	#
17) TM	Naphthalene	10.246	10.245	725881	967472	NoCal	94.921	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMT 8/19/10

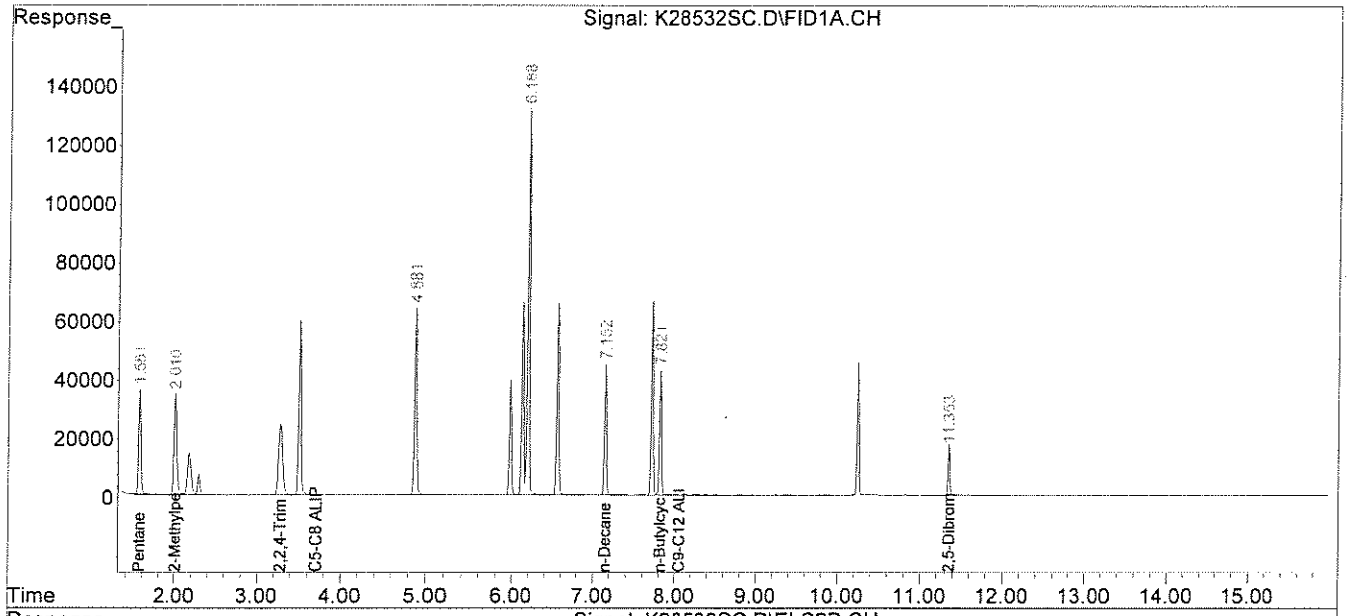
Quantitation Report (Not Reviewed)

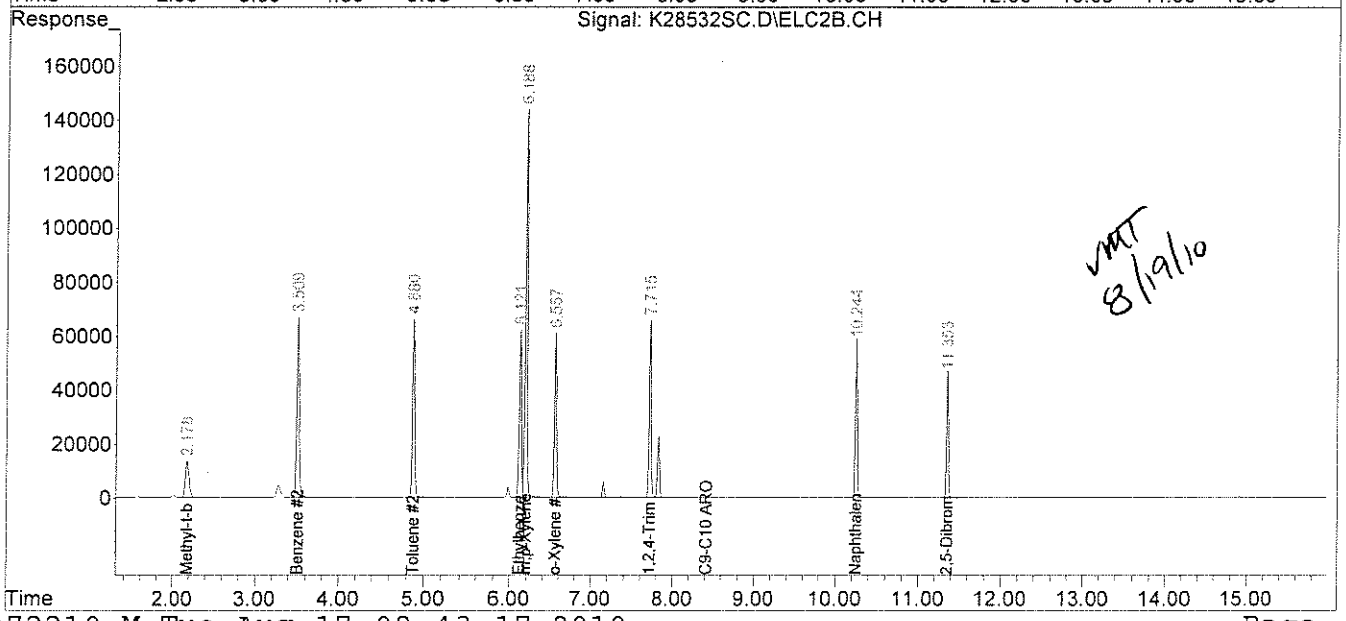
Data Path : C:\msdchem\1\DATA\081610-K\
Data File : K28532SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 16 Aug 2010 6:38 pm
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 08:35:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/17/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28534SC.D

8/18/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	105	4.7	
2-Methylpentane	104	4.4	
2,2,4-Trimethylpentane	105	4.8	
n-Decane	117	16.7	
n-Butylcyclohexane	110	9.8	
2,5-Dibromotoluene	94	6.2	
Methyl-t-butylether #2	97	3.4	
Benzene #2	103	2.5	
Toluene #2	103	3.3	
Ethylbenzene #2	100	0.4	
m,p-Xylene #2	205	2.7	
o-Xylene #2	98	2.0	
1,2,4-Trimethylbenzene #2	97	3.4	
Naphthalene #2	100	0.3	
2,5-Dibromotoluene #2	98	1.6	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT
8/19/10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28534SC.D
Date Acquired 8/17/2010 8:42

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5623	1.5680	0.0057	0.0438	OK	104.73	4.73	OK
2-Methylpentane	2.0109	2.0150	0.0041	0.0447	OK	104.39	4.39	OK
2,2,4-Trimethylpentane	3.2818	3.2850	0.0032	0.0405	OK	104.77	4.77	OK
C5-C8 ALIPHATICS						313.89	4.63	OK
n-Decane	7.1527	7.1540	0.0013	0.0380	OK	116.75	16.75	OK
n-Butylcyclohexane	7.8222	7.8240	0.0018	0.0380	OK	109.76	9.76	OK
C9-C12 ALIPHATICS						226.51	13.26	OK
2,5-Dibromotoluene	11.3543	11.3580	0.0037	0.0380	OK	93.77	6.23	OK
PID								
Methyl-t-butylether #2	2.1786	2.1830	0.0044	0.0447	OK	96.55	3.45	OK
Benzene #2	3.5095	3.5120	0.0025	0.0380	OK	102.52	2.52	OK
Toluene #2	4.8815	4.8830	0.0015	0.0344	OK	103.33	3.33	OK
Ethylbenzene #2	6.1218	6.1240	0.0023	0.0344	OK	100.45	0.45	OK
m,p-Xylene #2	6.1885	6.1900	0.0015	0.0344	OK	205.46	2.73	OK
o-Xylene #2	6.5585	6.5610	0.0026	0.0344	OK	98.00	2.00	OK
1,2,4-Trimethylbenzene #2	7.7158	7.7180	0.0022	0.0344	OK	96.57	3.43	OK
C9-C10 AROMATICS #2						96.57	3.43	OK
Naphthalene #2	10.2444	10.2480	0.0036	0.0344	OK	99.67	0.33	OK
2,5-Dibromotoluene #2	11.3537	11.3570	0.0033	0.0344	OK	98.43	1.57	OK

88 8/18/10

VMT 8/19/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081710-K\
Data File : K28534SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 17 Aug 2010 8:42 am
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 09:35:56 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

BS 8/18/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	275802	776912	93.768	98.431	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	93.77%	98.43%
	Target Compounds							
1) Z	Pentane	1.562	1.562	732850	11559	104.732	NoCal	#
2) Z	2-Methylp...	2.011	2.010	854372	35107	104.386	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	453514	450273	NoCal	96.552	#
4) Z	2,2,4-Tri...	3.282	3.282	808492	166423	104.769	NoCal	#
5) TM	Benzene	3.510	3.510	1153281	1333970	NoCal	102.516	#
6) TM	Toluene	4.882	4.882	1140567	1232233	NoCal	103.327	#
7) XH	C5-C8 ALI...	3.717	0.000	5424280	0	740.552	N.D.	#
9) TM	Ethylbenzene	6.122	6.122	1125557	1097512	NoCal	100.447	#
10) TM	m,p-Xylene	6.189	6.189	2286055	2577780	NoCal	205.465	#
11) TM	o-Xylene	6.559	6.558	1137616	1096281	NoCal	98.003	#
12) Z	n-Decane	7.153	7.152	805175	120620	116.749	NoCal	#
13) Z	n-Butylcy...	7.822	7.822	808003	464832	109.763	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	8106600	0	1137.131	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.716	1111895	1139187	NoCal	96.574	#
16) XH	C9-C10 AR...	10.410	8.424	21	1860037	NoCal	157.684	#
17) TM	Naphthalene	10.245	10.244	746254	1015889	NoCal	99.671	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

JMT 8/19/10

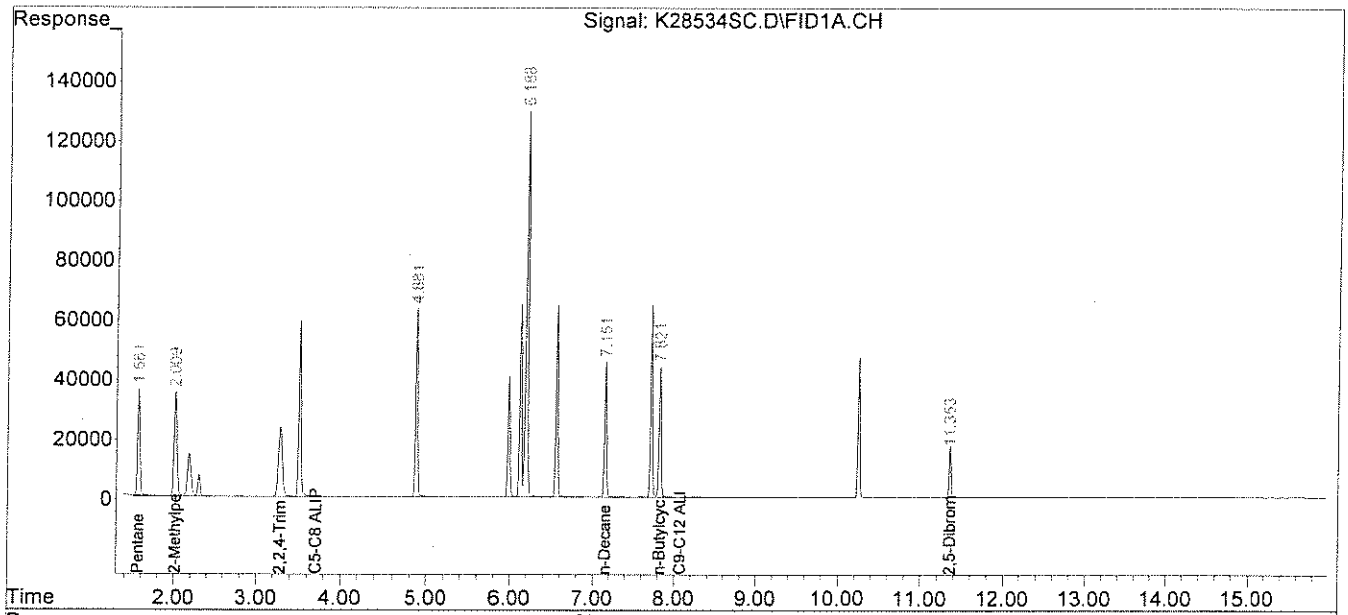
Quantitation Report (Not Reviewed)

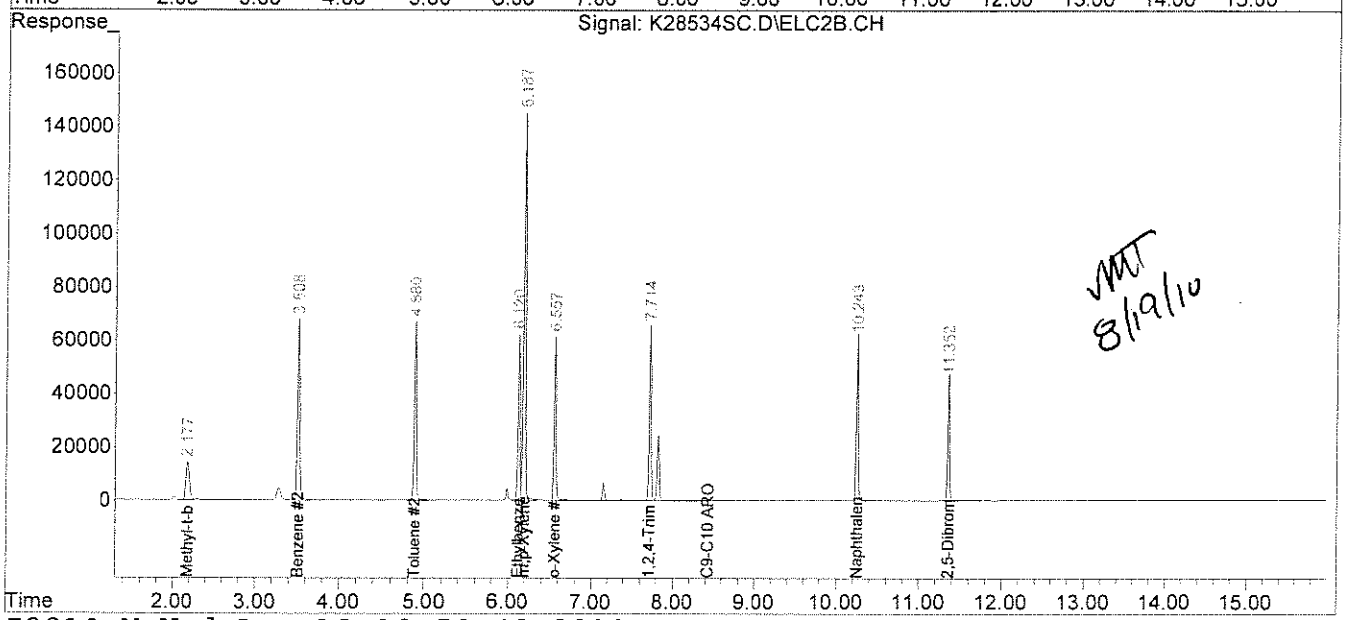
Data Path : C:\msdchem\1\DATA\081710-K\
Data File : K28534SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 17 Aug 2010 8:42 am
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 17 09:35:56 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

98 8/18/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





MT 8/19/10

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28566SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	92	7.7	
2-Methylpentane	92	8.1	
2,2,4-Trimethylpentane	104	4.2	
n-Decane	101	1.0	
n-Butylcyclohexane	95	5.1	
2,5-Dibromotoluene	92	7.9	
Methyl-t-butylether #2	94	6.2	
Benzene #2	100	0.3	
Toluene #2	101	1.3	
Ethylbenzene #2	98	1.7	
m,p-Xylene #2	201	0.7	
o-Xylene #2	96	4.3	
1,2,4-Trimethylbenzene #2	94	5.8	
Naphthalene #2	90	9.5	
2,5-Dibromotoluene #2	94	5.7	

gs 8/18/10

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

JMT 8/19/10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28566SC.D
Date Acquired 8/18/2010 12:58

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5605	1.5680	0.0075	0.0438	OK	92.35	7.65	OK
2-Methylpentane	2.0111	2.0150	0.0039	0.0447	OK	91.88	8.12	OK
2,2,4-Trimethylpentane	3.2817	3.2850	0.0033	0.0405	OK	104.23	4.23	OK
C5-C8 ALIPHATICS						288.45	3.85	OK
n-Decane	7.1527	7.1540	0.0013	0.0380	OK	100.99	0.99	OK
n-Butylcyclohexane	7.8222	7.8240	0.0018	0.0380	OK	94.86	5.14	OK
C9-C12 ALIPHATICS						195.85	2.08	OK
2,5-Dibromotoluene	11.3545	11.3580	0.0035	0.0380	OK	92.13	7.87	OK
PID								
Methyl-t-butylether #2	2.1788	2.1830	0.0042	0.0447	OK	93.85	6.15	OK
Benzene #2	3.5098	3.5120	0.0022	0.0380	OK	99.72	0.28	OK
Toluene #2	4.8817	4.8830	0.0013	0.0344	OK	101.28	1.28	OK
Ethylbenzene #2	6.1221	6.1240	0.0019	0.0344	OK	98.27	1.73	OK
m,p-Xylene #2	6.1888	6.1900	0.0012	0.0344	OK	201.50	0.75	OK
o-Xylene #2	6.5586	6.5610	0.0024	0.0344	OK	95.74	4.26	OK
1,2,4-Trimethylbenzene #2	7.7159	7.7180	0.0021	0.0344	OK	94.21	5.79	OK
C9-C10 AROMATICS #2						94.21	5.79	OK
Naphthalene #2	10.2449	10.2480	0.0031	0.0344	OK	90.47	9.53	OK
2,5-Dibromotoluene #2	11.3540	11.3570	0.0030	0.0344	OK	94.33	5.67	OK

8/18/10

JMC 8/19/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081710-K\
Data File : K28566SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 12:58 am
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 07:45:42 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/18/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds									
18)	S	2,5-Dibro...	11.355	11.354	270991	744563	92.132	94.333	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	92.13%	94.33%
Target Compounds									
1)	Z	Pentane	1.560	1.561	646186	8050	92.347	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	752004	26082	91.878	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	447658	437651	NoCal	93.846	#
4)	Z	2,2,4-Tri...	3.282	3.281	804306	155814	104.227	NoCal	#
5)	TM	Benzene	3.510	3.510	1147830	1297636	NoCal	99.724	#
6)	TM	Toluene	4.882	4.882	1143153	1207788	NoCal	101.277	#
7)	XH	C5-C8 ALI...	3.717	0.000	5172998	0	706.246	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1123213	1073783	NoCal	98.275	#
10)	TM	m,p-Xylene	6.189	6.189	2276885	2528010	NoCal	201.497	#
11)	TM	o-Xylene	6.559	6.559	1133921	1070970	NoCal	95.741	#
12)	Z	n-Decane	7.153	7.152	696497	94981	100.991	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	698273	389882	94.857	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7804855	0	1094.805	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	1110220	1111294	NoCal	94.210	#
16)	XH	C9-C10 AR...	10.410	8.424	80	1721123	NoCal	145.907	#
17)	TM	Naphthalene	10.245	10.245	690678	922062	NoCal	90.466	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

MT 8/19/10

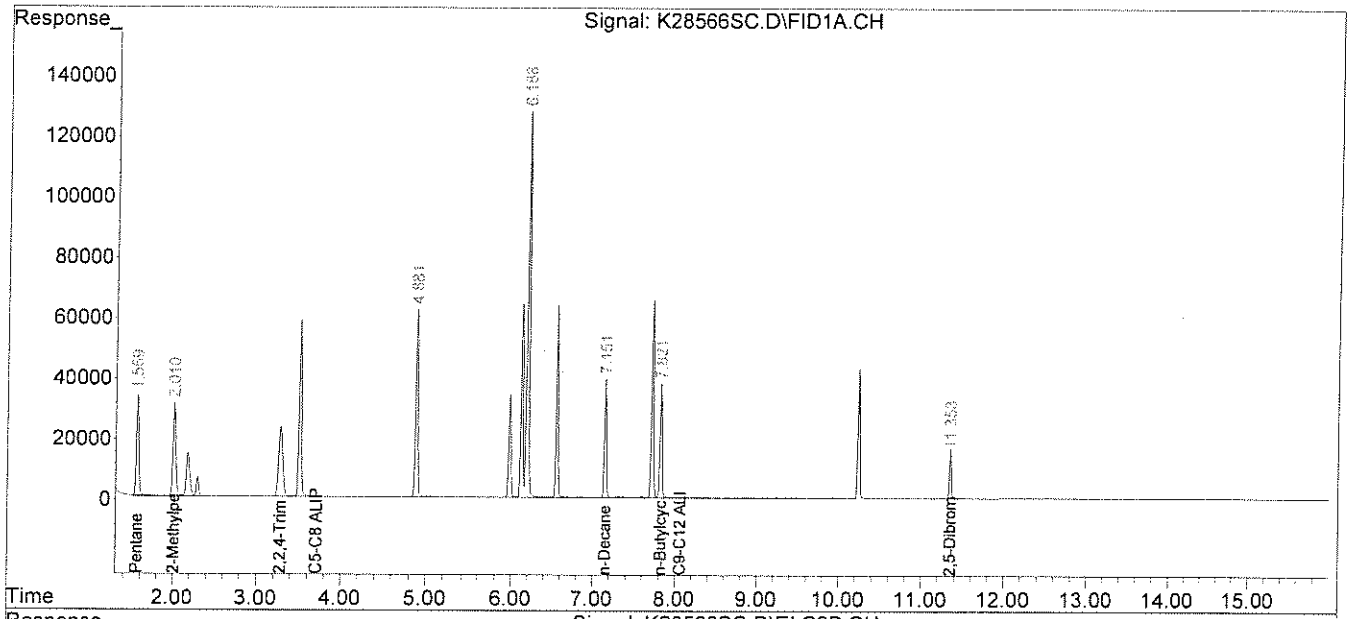
Quantitation Report (Not Reviewed)

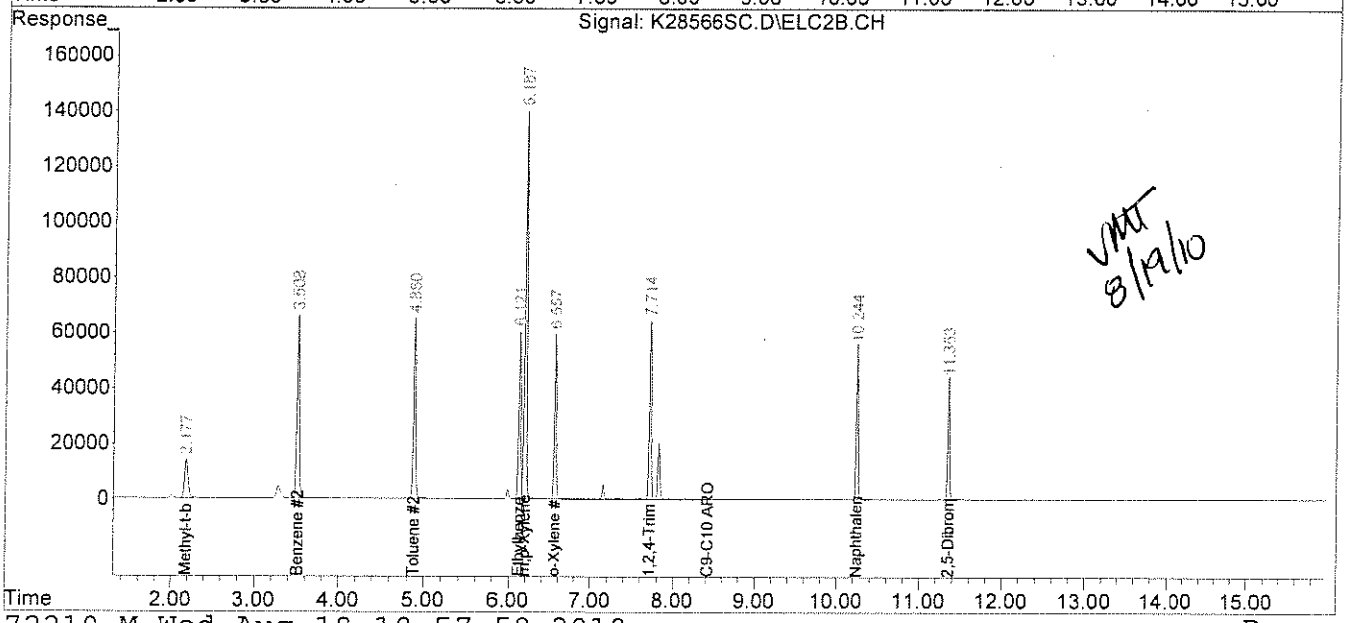
Data Path : C:\msdchem\1\DATA\081710-K\
Data File : K28566SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 12:58 am
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 07:45:42 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/18/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28567SC.D

SB 8/18/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	96	4.1	
2-Methylpentane	96	3.7	
2,2,4-Trimethylpentane	108	7.5	
n-Decane	101	0.7	
n-Butylcyclohexane	96	3.5	
2,5-Dibromotoluene	93	6.6	
Methyl-t-butylether #2	93	6.6	
Benzene #2	99	1.1	
Toluene #2	100	0.3	
Ethylbenzene #2	98	2.5	
m,p-Xylene #2	200	0.1	
o-Xylene #2	95	4.9	
1,2,4-Trimethylbenzene #2	94	5.9	
Naphthalene #2	92	8.0	
2,5-Dibromotoluene #2	96	3.9	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT 8/19/10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28567SC.D
Date Acquired 8/18/2010 1:23

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5610	1.5680	0.0070	0.0438	OK	95.90	4.10	OK
2-Methylpentane	2.0113	2.0150	0.0038	0.0447	OK	96.33	3.67	OK
2,2,4-Trimethylpentane	3.2823	3.2850	0.0028	0.0405	OK	107.53	7.53	OK
C5-C8 ALIPHATICS						299.76	0.08	OK
n-Decane	7.1530	7.1540	0.0010	0.0380	OK	100.75	0.75	OK
n-Butylcyclohexane	7.8221	7.8240	0.0019	0.0380	OK	96.47	3.53	OK
C9-C12 ALIPHATICS						197.22	1.39	OK
2,5-Dibromotoluene	11.3543	11.3580	0.0037	0.0380	OK	93.44	6.56	OK
PID								
Methyl-t-butylether #2	2.1791	2.1830	0.0039	0.0447	OK	93.37	6.63	OK
Benzene #2	3.5099	3.5120	0.0021	0.0380	OK	98.88	1.12	OK
Toluene #2	4.8819	4.8830	0.0011	0.0344	OK	99.67	0.33	OK
Ethylbenzene #2	6.1223	6.1240	0.0017	0.0344	OK	97.53	2.47	OK
m,p-Xylene #2	6.1887	6.1900	0.0013	0.0344	OK	199.73	0.14	OK
o-Xylene #2	6.5588	6.5610	0.0022	0.0344	OK	95.06	4.94	OK
1,2,4-Trimethylbenzene #2	7.7158	7.7180	0.0022	0.0344	OK	94.06	5.94	OK
C9-C10 AROMATICS #2						94.06	5.94	OK
Naphthalene #2	10.2443	10.2480	0.0037	0.0344	OK	92.04	7.96	OK
2,5-Dibromotoluene #2	11.3537	11.3570	0.0033	0.0344	OK	96.14	3.86	OK

gg 8/16/10

VMT 8/19/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081710-K\
Data File : K28567SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 1:23 am
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 07:46:11 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SJS 8/18/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

System Monitoring Compounds

18)	S	2,5-Dibro...	11.354	11.354	274848	758793	93.443	96.136

Spiked Amount 100.000 Range 70 - 130 Recovery = 93.44% 96.14%

Target Compounds

1)	Z	Pentane	1.561	1.561	671071	9146	95.903	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	788429	27859	96.329	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	444007	435416	NoCal	93.366	#
4)	Z	2,2,4-Tri...	3.282	3.282	829772	162648	107.527	NoCal	#
5)	TM	Benzene	3.510	3.510	1130020	1286629	NoCal	98.878	#
6)	TM	Toluene	4.882	4.882	1122267	1188655	NoCal	99.673	#
7)	XH	C5-C8 ALI...	3.717	0.000	5235352	0	714.759	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1110074	1065612	NoCal	97.527	#
10)	TM	m,p-Xylene	6.189	6.189	2253425	2505794	NoCal	199.727	#
11)	TM	o-Xylene	6.559	6.559	1128868	1063352	NoCal	95.060	#
12)	Z	n-Decane	7.153	7.153	694822	95922	100.748	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	710142	397413	96.469	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7727877	0	1084.007	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	1104970	1109500	NoCal	94.057	#
16)	XH	C9-C10 AR...	10.410	8.424	11	1702905	NoCal	144.363	#
17)	TM	Naphthalene	10.245	10.244	698798	938132	NoCal	92.042	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMT 8/19/10

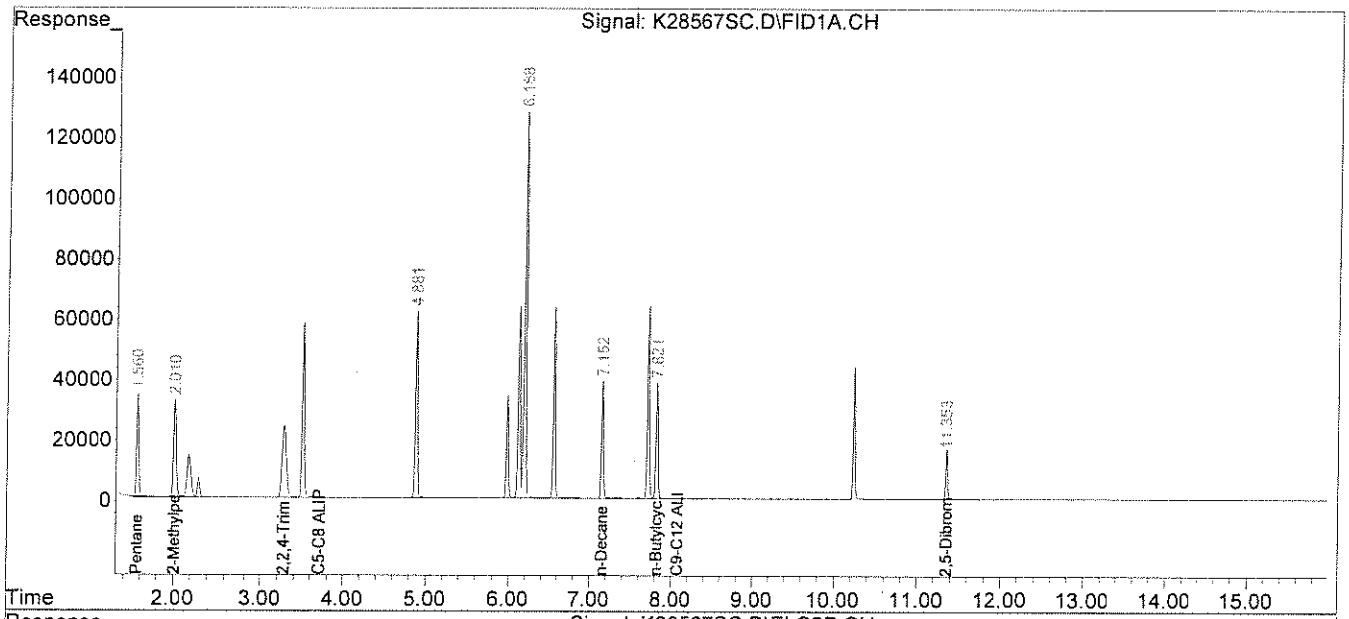
Quantitation Report (Not Reviewed)

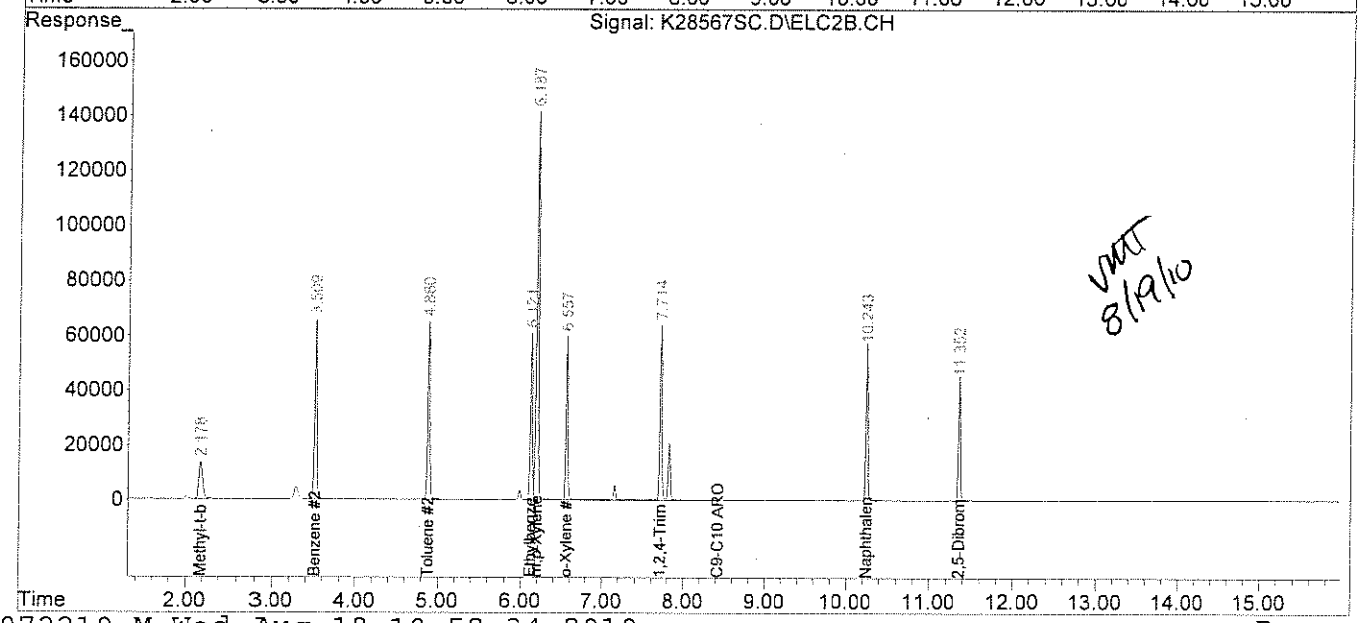
Data Path : C:\msdchem\1\DATA\081710-K\
Data File : K28567SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 1:23 am
Operator : MT
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 07:46:11 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 8/18/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28569SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	101	0.8	
2-Methylpentane	102	2.1	
2,2,4-Trimethylpentane	112	11.7	
n-Decane	111	11.1	
n-Butylcyclohexane	107	6.7	
2,5-Dibromotoluene	87	13.3	
Methyl-t-butylether #2	94	5.6	
Benzene #2	101	0.8	
Toluene #2	101	1.4	
Ethylbenzene #2	99	0.7	
m,p-Xylene #2	203	1.6	
o-Xylene #2	97	3.3	
1,2,4-Trimethylbenzene #2	96	4.2	
Naphthalene #2	92	7.7	
2,5-Dibromotoluene #2	95	4.9	

8/19/10

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT 8/19/10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28569SC.D
Date Acquired 8/18/2010 13:20

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5612	1.5680	0.0068	0.0438	OK	100.77	0.77	OK
2-Methylpentane	2.0112	2.0150	0.0038	0.0447	OK	102.08	2.08	OK
2,2,4-Trimethylpentane	3.2821	3.2850	0.0030	0.0405	OK	111.74	11.74	OK
C5-C8 ALIPHATICS						314.59	4.86	OK
n-Decane	7.1526	7.1540	0.0015	0.0380	OK	111.15	11.15	OK
n-Butylcyclohexane	7.8221	7.8240	0.0019	0.0380	OK	106.74	6.74	OK
C9-C12 ALIPHATICS						217.88	8.94	OK
2,5-Dibromotoluene	11.3543	11.3580	0.0037	0.0380	OK	86.67	13.33	OK
PID								
Methyl-t-butylether #2	2.1790	2.1830	0.0040	0.0447	OK	94.39	5.61	OK
Benzene #2	3.5096	3.5120	0.0024	0.0380	OK	100.82	0.82	OK
Toluene #2	4.8812	4.8830	0.0018	0.0344	OK	101.35	1.35	OK
Ethylbenzene #2	6.1220	6.1240	0.0020	0.0344	OK	99.26	0.74	OK
m,p-Xylene #2	6.1887	6.1900	0.0014	0.0344	OK	203.20	1.60	OK
o-Xylene #2	6.5584	6.5610	0.0026	0.0344	OK	96.75	3.25	OK
1,2,4-Trimethylbenzene #2	7.7158	7.7180	0.0022	0.0344	OK	95.83	4.17	OK
C9-C10 AROMATICS #2						95.83	4.17	OK
Naphthalene #2	10.2447	10.2480	0.0033	0.0344	OK	92.29	7.71	OK
2,5-Dibromotoluene #2	11.3537	11.3570	0.0033	0.0344	OK	95.09	4.91	OK

gs 8/19/10

VMT 8/19/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28569SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 1:20 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 13:56:27 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/19/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	254913	750517	86.666	95.087	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	86.67%	95.09%
	Target Compounds							
1) Z	Pentane	1.561	1.561	705157	13191	100.774	NoCal	#
2) Z	2-Methylp...	2.011	2.011	835490	39609	102.079	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	433807	440172	NoCal	94.386	#
4) Z	2,2,4-Tri...	3.282	3.282	862272	186123	111.738	NoCal	#
5) TM	Benzene	3.510	3.510	1115443	1311902	NoCal	100.821	#
6) TM	Toluene	4.882	4.881	1108372	1208692	NoCal	101.353	#
7) XH	C5-C8 ALI...	3.717	0.000	5357399	0	731.421	N.D.	#
9) TM	Ethylbenzene	6.122	6.122	1095329	1084569	NoCal	99.262	#
10) TM	m,p-Xylene	6.189	6.189	2231805	2549395	NoCal	203.202	#
11) TM	o-Xylene	6.559	6.558	1110239	1082259	NoCal	96.750	#
12) Z	n-Decane	7.153	7.152	766530	122884	111.145	NoCal	#
13) Z	n-Butylcy...	7.822	7.822	785719	460433	106.736	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	7879699	0	1105.303	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.716	1086454	1130388	NoCal	95.828	#
16) XH	C9-C10 AR...	10.410	8.424	83	1912898	NoCal	162.165	#
17) TM	Naphthalene	10.245	10.245	676394	940636	NoCal	92.288	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

JMT 8/19/10

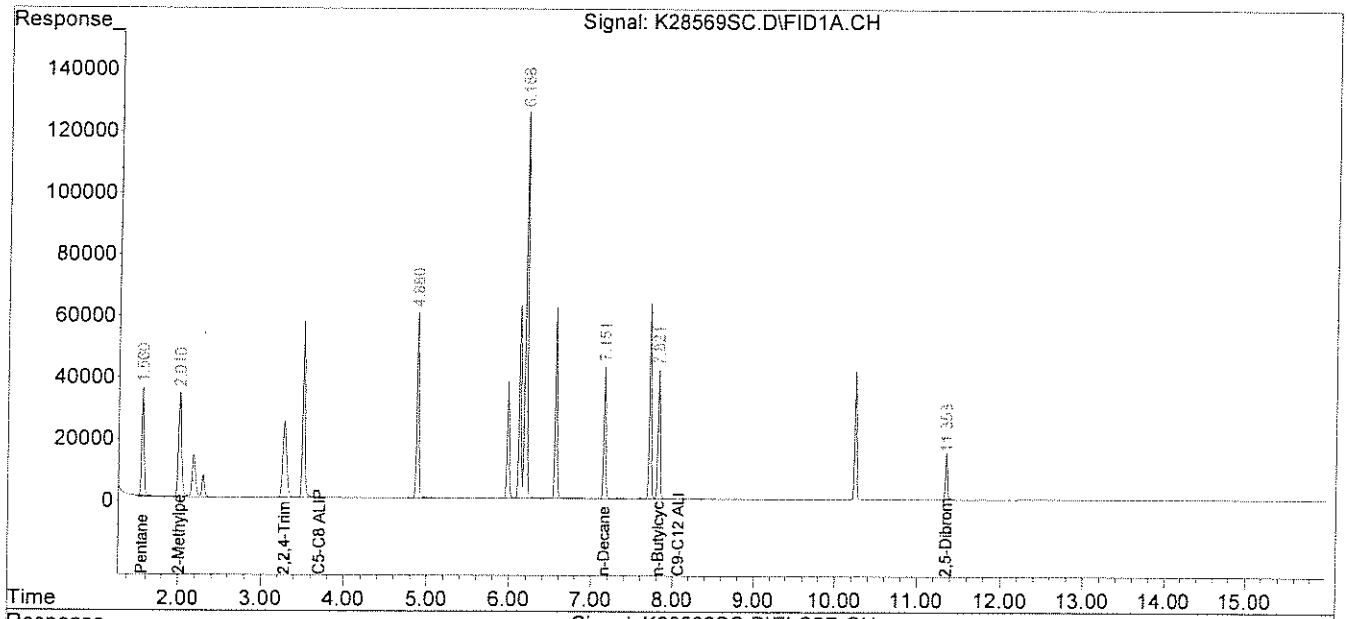
Quantitation Report (Not Reviewed)

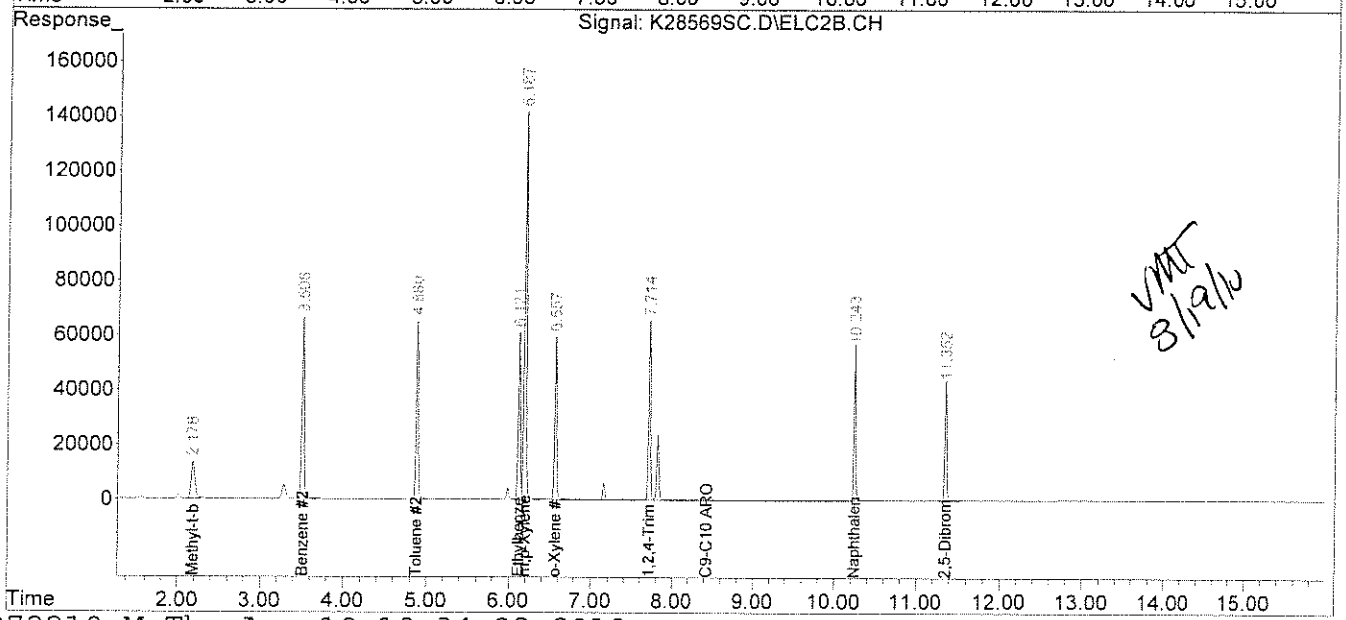
Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28569SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 1:20 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 13:56:27 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 8/19/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28580SC.D

8/19/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	100	0.1	
2-Methylpentane	101	1.3	
2,2,4-Trimethylpentane	116	16.3	
n-Decane	108	7.6	
n-Butylcyclohexane	105	5.0	
2,5-Dibromotoluene	89	11.1	
Methyl-t-butylether #2	94	5.6	
Benzene #2	100	0.5	
Toluene #2	103	2.5	
Ethylbenzene #2	100	0.2	
m,p-Xylene #2	206	2.8	
o-Xylene #2	97	2.6	
1,2,4-Trimethylbenzene #2	97	3.2	
Naphthalene #2	91	8.9	
2,5-Dibromotoluene #2	96	4.1	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT
8/19/10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28580SC.D
Date Acquired 8/18/2010 19:02

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5603	1.5680	0.0078	0.0438	OK	100.09	0.09	OK
2-Methylpentane	2.0110	2.0150	0.0040	0.0447	OK	101.33	1.33	OK
2,2,4-Trimethylpentane	3.2820	3.2850	0.0030	0.0405	OK	116.30	16.30	OK
C5-C8 ALIPHATICS						317.72	5.91	OK
n-Decane	7.1529	7.1540	0.0011	0.0380	OK	107.57	7.57	OK
n-Butylcyclohexane	7.8226	7.8240	0.0015	0.0380	OK	105.00	5.00	OK
C9-C12 ALIPHATICS						212.57	6.28	OK
2,5-Dibromotoluene	11.3548	11.3580	0.0032	0.0380	OK	88.90	11.10	OK
PID								
Methyl-t-butylether #2	2.1789	2.1830	0.0041	0.0447	OK	94.45	5.55	OK
Benzene #2	3.5097	3.5120	0.0023	0.0380	OK	100.49	0.49	OK
Toluene #2	4.8818	4.8830	0.0012	0.0344	OK	102.55	2.55	OK
Ethylbenzene #2	6.1223	6.1240	0.0017	0.0344	OK	100.21	0.21	OK
m,p-Xylene #2	6.1890	6.1900	0.0010	0.0344	OK	205.61	2.80	OK
o-Xylene #2	6.5589	6.5610	0.0021	0.0344	OK	97.37	2.63	OK
1,2,4-Trimethylbenzene #2	7.7163	7.7180	0.0018	0.0344	OK	96.84	3.16	OK
C9-C10 AROMATICS #2						96.84	3.16	OK
Naphthalene #2	10.2451	10.2480	0.0029	0.0344	OK	91.15	8.85	OK
2,5-Dibromotoluene #2	11.3543	11.3570	0.0027	0.0344	OK	95.90	4.10	OK

gg 8/19/10

JMT 8/19/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28580SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 7:02 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 08:07:09 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 8/19/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

System Monitoring Compounds

18)	S	2,5-Dibro...	11.355	11.354	261481	756893	88.899	95.895

Spiked Amount 100.000 Range 70 - 130 Recovery = 88.90% 95.89%

Target Compounds

1)	Z	Pentane	1.560	1.560	700382	12652	100.092	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	829332	35906	101.326	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	438257	440464	NoCal	94.449	#
4)	Z	2,2,4-Tri...	3.282	3.282	897470	189669	116.299	NoCal	#
5)	TM	Benzene	3.510	3.510	1128497	1307545	NoCal	100.486	#
6)	TM	Toluene	4.882	4.882	1118068	1222953	NoCal	102.549	#
7)	XH	C5-C8 ALI...	3.717	0.000	5383186	0	734.942	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1112743	1094930	NoCal	100.210	#
10)	TM	m,p-Xylene	6.189	6.189	2256799	2579586	NoCal	205.608	#
11)	TM	o-Xylene	6.559	6.559	1121037	1089229	NoCal	97.373	#
12)	Z	n-Decane	7.153	7.152	741838	117743	107.565	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	772967	453843	105.004	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7904039	0	1108.718	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.716	1098600	1142287	NoCal	96.837	#
16)	XH	C9-C10 AR...	10.410	8.424	162	1958432	NoCal	166.025	#
17)	TM	Naphthalene	10.246	10.245	672208	929004	NoCal	91.147	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMT 8/19/10

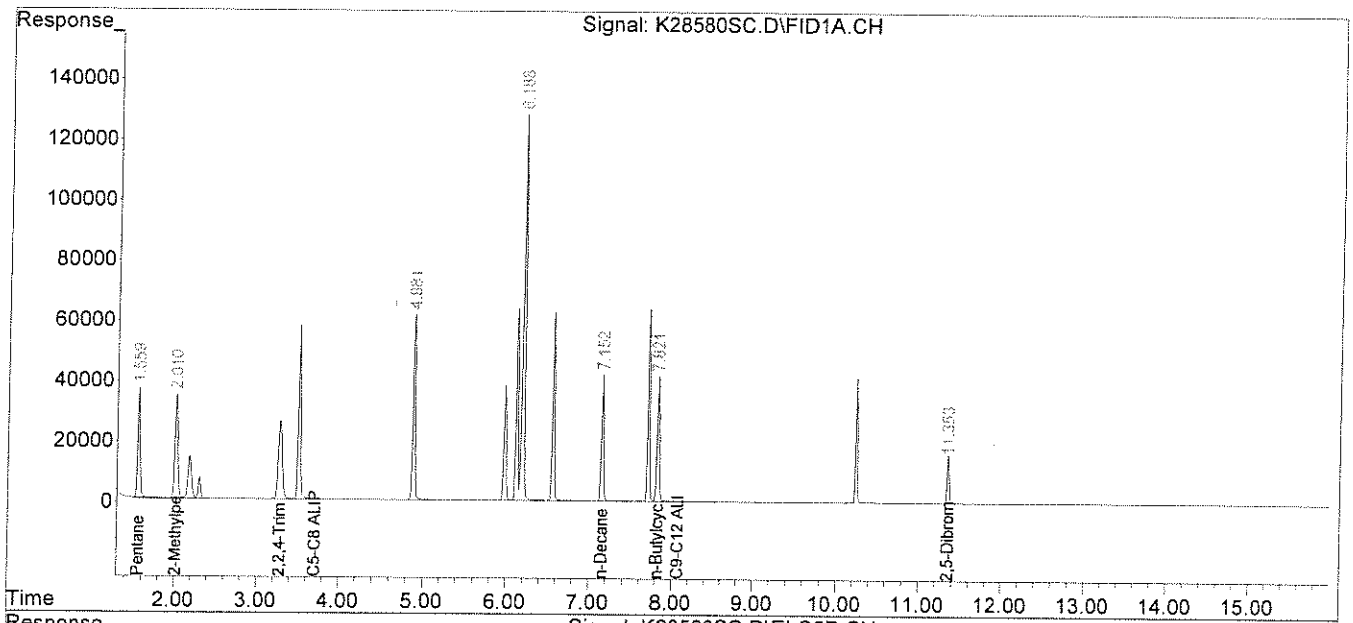
Quantitation Report (Not Reviewed)

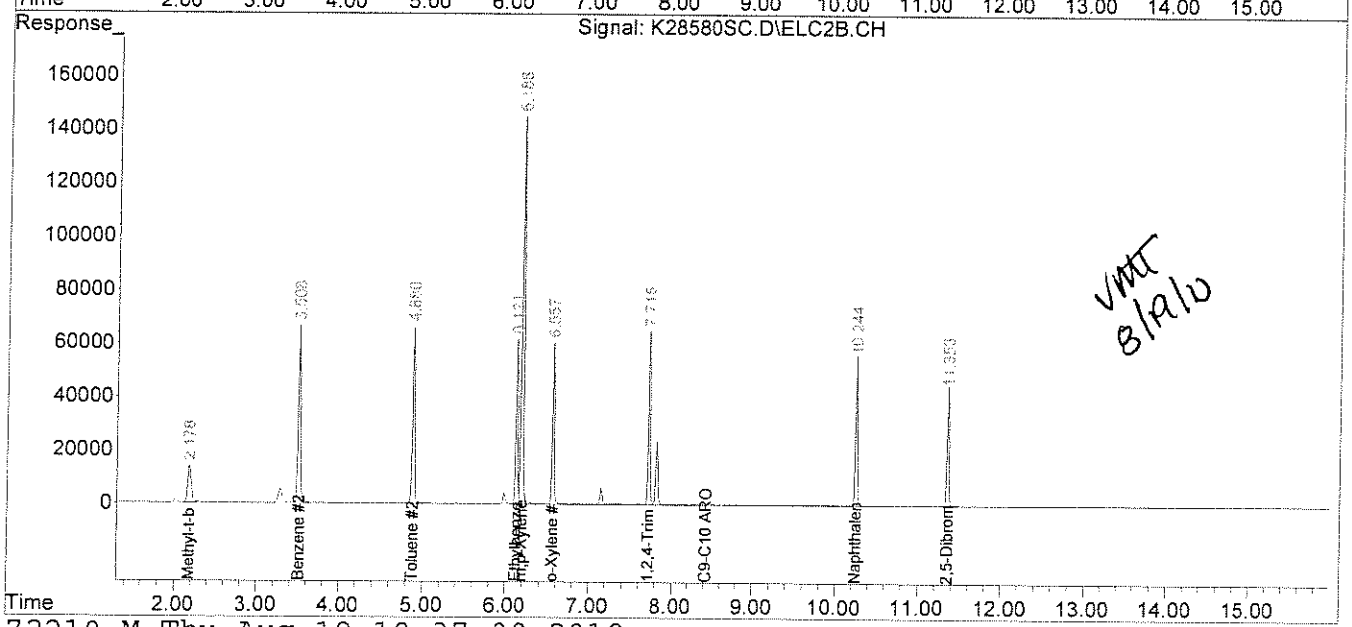
Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28580SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 7:02 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

gg 8/19/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 08:07:09 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28581SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	97	3.1	
2-Methylpentane	99	0.6	
2,2,4-Trimethylpentane	113	12.5	
n-Decane	110	10.1	
n-Butylcyclohexane	106	5.7	
2,5-Dibromotoluene	92	8.5	
Methyl-t-butylether #2	94	6.0	
Benzene #2	100	0.2	
Toluene #2	101	1.4	
Ethylbenzene #2	99	1.1	
m,p-Xylene #2	202	1.1	
o-Xylene #2	97	3.4	
1,2,4-Trimethylbenzene #2	95	4.7	
Naphthalene #2	91	8.6	
2,5-Dibromotoluene #2	96	4.1	

88 8/19/10

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT 8/19/10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28581SC.D
Date Acquired 8/18/2010 19:27

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5608	1.5680	0.0072	0.0438	OK	96.85	3.15	OK
2-Methylpentane	2.0113	2.0150	0.0037	0.0447	OK	99.37	0.63	OK
2,2,4-Trimethylpentane	3.2820	3.2850	0.0030	0.0405	OK	112.52	12.52	OK
C5-C8 ALIPHATICS						308.74	2.91	OK
n-Decane	7.1528	7.1540	0.0012	0.0380	OK	110.12	10.12	OK
n-Butylcyclohexane	7.8223	7.8240	0.0017	0.0380	OK	105.72	5.72	OK
C9-C12 ALIPHATICS						215.84	7.92	OK
2,5-Dibromotoluene	11.3547	11.3580	0.0034	0.0380	OK	91.55	8.45	OK
PID								
Methyl-t-butylether #2	2.1790	2.1830	0.0040	0.0447	OK	94.04	5.96	OK
Benzene #2	3.5098	3.5120	0.0022	0.0380	OK	100.18	0.18	OK
Toluene #2	4.8815	4.8830	0.0015	0.0344	OK	101.36	1.36	OK
Ethylbenzene #2	6.1222	6.1240	0.0018	0.0344	OK	98.91	1.09	OK
m,p-Xylene #2	6.1889	6.1900	0.0011	0.0344	OK	202.24	1.12	OK
o-Xylene #2	6.5587	6.5610	0.0023	0.0344	OK	96.64	3.36	OK
1,2,4-Trimethylbenzene #2	7.7159	7.7180	0.0021	0.0344	OK	95.27	4.73	OK
C9-C10 AROMATICS #2						95.27	4.73	OK
Naphthalene #2	10.2448	10.2480	0.0032	0.0344	OK	91.37	8.63	OK
2,5-Dibromotoluene #2	11.3541	11.3570	0.0029	0.0344	OK	95.90	4.10	OK

gg 8/19/10

VMT 8/19/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28581SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 7:27 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 08:07:46 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 8/19/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

System Monitoring Compounds

18)	S	2,5-Dibro...	11.355	11.354	269270	756968	91.547	95.905

Spiked Amount 100.000 Range 70 - 130 Recovery = 91.55% 95.91%

Target Compounds

1)	Z	Pentane	1.561	1.561	677700	12753	96.850	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	813316	37351	99.369	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	431417	438577	NoCal	94.044	#
4)	Z	2,2,4-Tri...	3.282	3.282	868304	188401	112.520	NoCal	#
5)	TM	Benzene	3.510	3.510	1111148	1303528	NoCal	100.177	#
6)	TM	Toluene	4.882	4.881	1107111	1208733	NoCal	101.356	#
7)	XH	C5-C8 ALI...	3.717	0.000	5294567	0	722.843	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1102805	1080734	NoCal	98.911	#
10)	TM	m,p-Xylene	6.189	6.189	2232379	2537341	NoCal	202.241	#
11)	TM	o-Xylene	6.559	6.559	1107043	1081003	NoCal	96.638	#
12)	Z	n-Decane	7.153	7.152	759447	116270	110.118	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	778246	450836	105.721	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7870347	0	1103.991	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	1089032	1123786	NoCal	95.268	#
16)	XH	C9-C10 AR...	10.410	8.424	97	1851600	NoCal	156.969	#
17)	TM	Naphthalene	10.245	10.245	681415	931270	NoCal	91.369	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

JMT 8/19/10

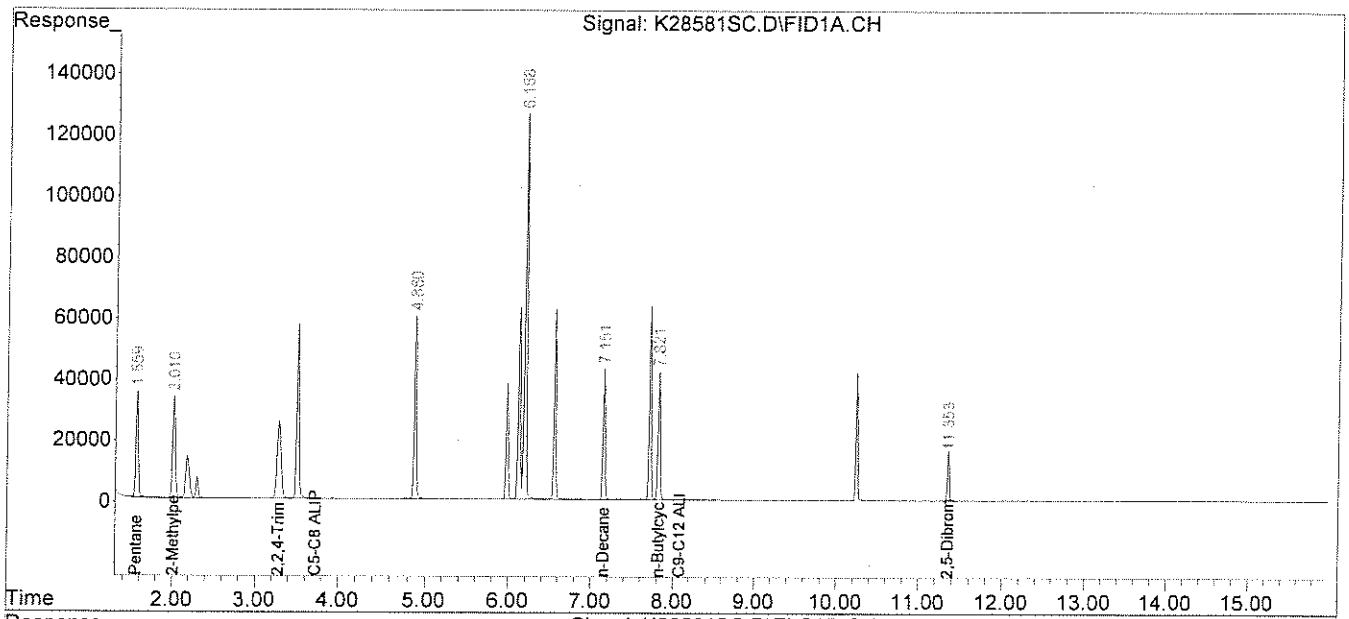
Quantitation Report (Not Reviewed)

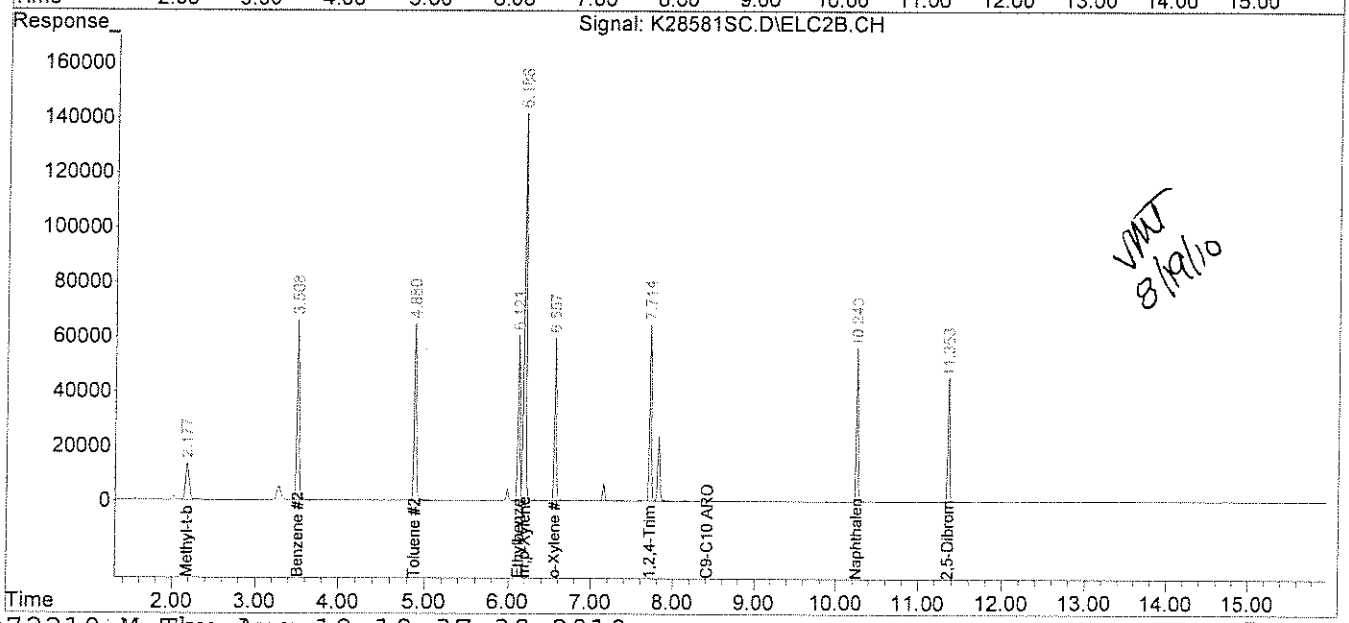
Data Path : C:\msdchem\1\DATA\081810-K\
Data File : K28581SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 18 Aug 2010 7:27 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 08:07:46 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/19/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/19/10

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28591SC.D

8/20/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	108	8.1	
2-Methylpentane	107	7.2	
2,2,4-Trimethylpentane	119	18.8	
n-Decane	114	13.9	
n-Butylcyclohexane	114	13.9	
2,5-Dibromotoluene	93	6.7	
Methyl-t-butylether #2	96	4.4	
Benzene #2	103	3.2	
Toluene #2	105	4.8	
Ethylbenzene #2	102	2.4	
m,p-Xylene #2	211	5.4	
o-Xylene #2	100	0.4	
1,2,4-Trimethylbenzene #2	100	0.3	
Naphthalene #2	98	2.1	
2,5-Dibromotoluene #2	99	0.8	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT 8/23/10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28591SC.D
Date Acquired 8/19/2010 14:54

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5603	1.5680	0.0077	0.0438	OK	108.10	8.10	OK
2-Methylpentane	2.0110	2.0150	0.0040	0.0447	OK	107.22	7.22	OK
2,2,4-Trimethylpentane	3.2819	3.2850	0.0031	0.0405	OK	118.84	18.84	OK
C5-C8 ALIPHATICS						334.16	11.39	OK
n-Decane	7.1535	7.1540	0.0005	0.0380	OK	113.91	13.91	OK
n-Butylcyclohexane	7.8233	7.8240	0.0008	0.0380	OK	113.93	13.93	OK
C9-C12 ALIPHATICS						227.84	13.92	OK
2,5-Dibromotoluene	11.3566	11.3580	0.0014	0.0380	OK	93.31	6.69	OK
PID								
Methyl-t-butylether #2	2.1788	2.1830	0.0042	0.0447	OK	95.56	4.44	OK
Benzene #2	3.5090	3.5120	0.0030	0.0380	OK	103.16	3.16	OK
Toluene #2	4.8816	4.8830	0.0015	0.0344	OK	104.76	4.76	OK
Ethylbenzene #2	6.1224	6.1240	0.0016	0.0344	OK	102.37	2.37	OK
m,p-Xylene #2	6.1891	6.1900	0.0009	0.0344	OK	210.76	5.38	OK
o-Xylene #2	6.5592	6.5610	0.0018	0.0344	OK	99.59	0.41	OK
1,2,4-Trimethylbenzene #2	7.7165	7.7180	0.0015	0.0344	OK	99.75	0.25	OK
C9-C10 AROMATICS #2						99.75	0.25	OK
Naphthalene #2	10.2463	10.2480	0.0017	0.0344	OK	97.85	2.15	OK
2,5-Dibromotoluene #2	11.3561	11.3570	0.0009	0.0344	OK	99.16	0.84	OK

JBS 8/20/10

VMT 8/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28591SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 2:54 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 15:10:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.357	11.356	274453	782669	93.309	99.161	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	93.31%	99.16%
	Target Compounds							
1) Z	Pentane	1.560	1.560	756389	15300	108.096	NoCal	#
2) Z	2-Methylp...	2.011	2.011	877550	43941	107.217	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	440685	445628	NoCal	95.556	#
4) Z	2,2,4-Tri...	3.282	3.282	917107	198620	118.844	NoCal	#
5) TM	Benzene	3.509	3.509	1142805	1342382	NoCal	103.163	#
6) TM	Toluene	4.882	4.882	1139950	1249381	NoCal	104.765	#
7) XH	C5-C8 ALI...	3.717	0.000	5456507	0	744.952	N.D.	#
9) TM	Ethylbenzene	6.123	6.122	1134050	1118529	NoCal	102.370	#
10) TM	m,p-Xylene	6.190	6.189	2300549	2644213	NoCal	210.760	#
11) TM	o-Xylene	6.560	6.559	1137158	1114031	NoCal	99.590	#
12) Z	n-Decane	7.154	7.153	785621	123650	113.914	NoCal	#
13) Z	n-Butylcy...	7.823	7.823	838665	493195	113.928	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	8245621	0	1156.632	N.D.	#
15) ZM	1,2,4-Tri...	7.717	7.716	1131847	1176623	NoCal	99.748	#
16) XH	C9-C10 AR...	10.410	8.424	144	2011167	NoCal	170.496	#
17) TM	Naphthalene	10.247	10.246	717433	997338	NoCal	97.851	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMT 8/23/10

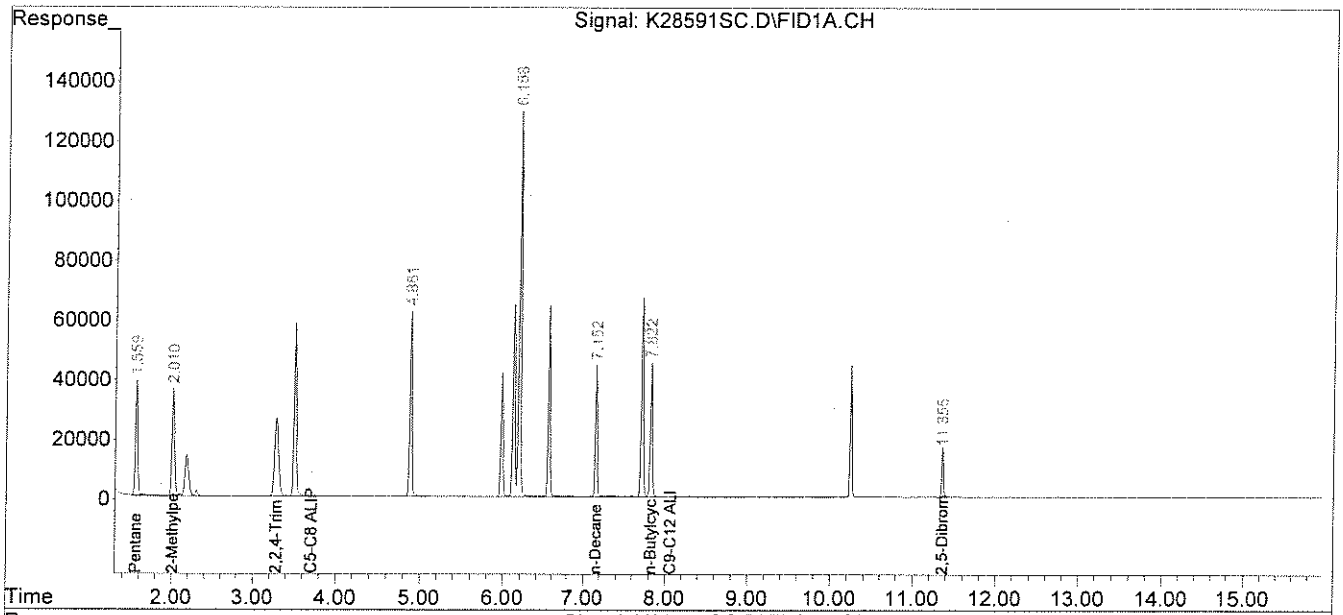
Quantitation Report (Not Reviewed)

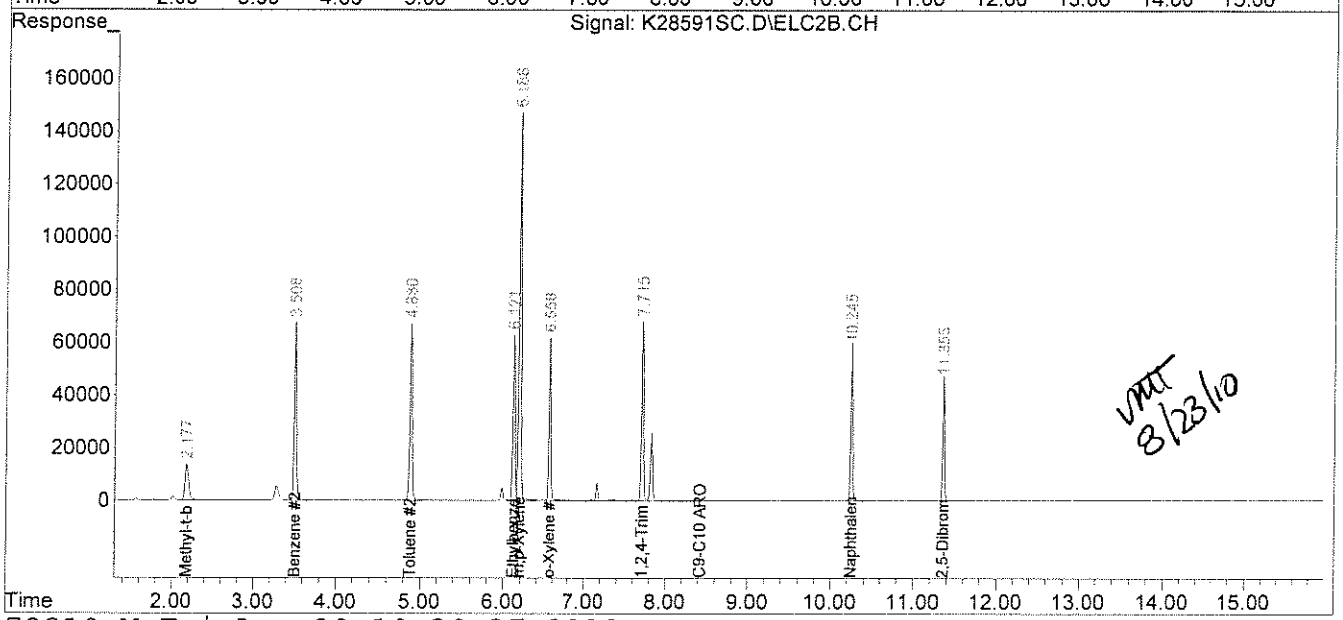
Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28591SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 2:54 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 19 15:10:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/23/10

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28596SC.D

8/20/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	107	7.2	
2-Methylpentane	107	7.1	
2,2,4-Trimethylpentane	109	8.7	
n-Decane	114	13.9	
n-Butylcyclohexane	110	9.9	
2,5-Dibromotoluene	96	4.2	
Methyl-t-butylether #2	98	2.0	
Benzene #2	102	2.1	
Toluene #2	102	2.4	
Ethylbenzene #2	100	0.2	
m,p-Xylene #2	205	2.6	
o-Xylene #2	98	1.8	
1,2,4-Trimethylbenzene #2	97	3.3	
Naphthalene #2	97	2.9	
2,5-Dibromotoluene #2	101	0.6	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

8/23/10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28596SC.D
Date Acquired 8/19/2010 17:25

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5627	1.5680	0.0053	0.0438	OK	107.22	7.22	OK
2-Methylpentane	2.0117	2.0150	0.0033	0.0447	OK	107.05	7.05	OK
2,2,4-Trimethylpentane	3.2824	3.2850	0.0026	0.0405	OK	108.70	8.70	OK
C5-C8 ALIPHATICS						322.97	7.66	OK
n-Decane	7.1535	7.1540	0.0005	0.0380	OK	113.88	13.88	OK
n-Butylcyclohexane	7.8229	7.8240	0.0011	0.0380	OK	109.91	9.91	OK
C9-C12 ALIPHATICS						223.79	11.90	OK
2,5-Dibromotoluene	11.3554	11.3580	0.0026	0.0380	OK	95.84	4.16	OK
PID								
Methyl-t-butylether #2	2.1795	2.1830	0.0035	0.0447	OK	97.96	2.04	OK
Benzene #2	3.5103	3.5120	0.0017	0.0380	OK	102.12	2.12	OK
Toluene #2	4.8822	4.8830	0.0008	0.0344	OK	102.36	2.36	OK
Ethylbenzene #2	6.1227	6.1240	0.0013	0.0344	OK	100.15	0.15	OK
m,p-Xylene #2	6.1894	6.1900	0.0007	0.0344	OK	205.23	2.62	OK
o-Xylene #2	6.5592	6.5610	0.0018	0.0344	OK	98.21	1.79	OK
1,2,4-Trimethylbenzene #2	7.7165	7.7180	0.0015	0.0344	OK	96.74	3.26	OK
C9-C10 AROMATICS #2						96.74	3.26	OK
Naphthalene #2	10.2458	10.2480	0.0022	0.0344	OK	97.14	2.86	OK
2,5-Dibromotoluene #2	11.3549	11.3570	0.0021	0.0344	OK	100.61	0.61	OK

gg 8/20/10

JMT 8/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28596SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 5:25 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:27:35 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.355	11.355	281905	794119	95.843	100.611	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	95.84%	100.61%
	Target Compounds							
1) Z	Pentane	1.563	1.563	750272	14526	107.221	NoCal	#
2) Z	2-Methylp...	2.012	2.011	876203	40902	107.053	NoCal	#
3) TM	Methyl-t-...	2.180	2.179	449760	456824	NoCal	97.957	#
4) Z	2,2,4-Tri...	3.282	3.282	838794	173954	108.696	NoCal	#
5) TM	Benzene	3.511	3.510	1153970	1328833	NoCal	102.122	#
6) TM	Toluene	4.883	4.882	1140916	1220761	NoCal	102.365	#
7) XH	C5-C8 ALI...	3.717	0.000	5370017	0	733.144	N.D.	#
9) TM	Ethylbenzene	6.123	6.123	1131730	1094292	NoCal	100.152	#
10) TM	m,p-Xylene	6.190	6.189	2296766	2574870	NoCal	205.233	#
11) TM	o-Xylene	6.560	6.559	1137635	1098576	NoCal	98.209	#
12) Z	n-Decane	7.153	7.153	785394	120240	113.881	NoCal	#
13) Z	n-Butylcy...	7.823	7.822	809087	465658	109.910	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	8112143	0	1137.909	N.D.	#
15) ZM	1,2,4-Tri...	7.717	7.716	1121148	1141130	NoCal	96.739	#
16) XH	C9-C10 AR...	10.410	8.424	90	1901879	NoCal	161.231	#
17) TM	Naphthalene	10.246	10.246	730265	990065	NoCal	97.138	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

JMT 8/23/10

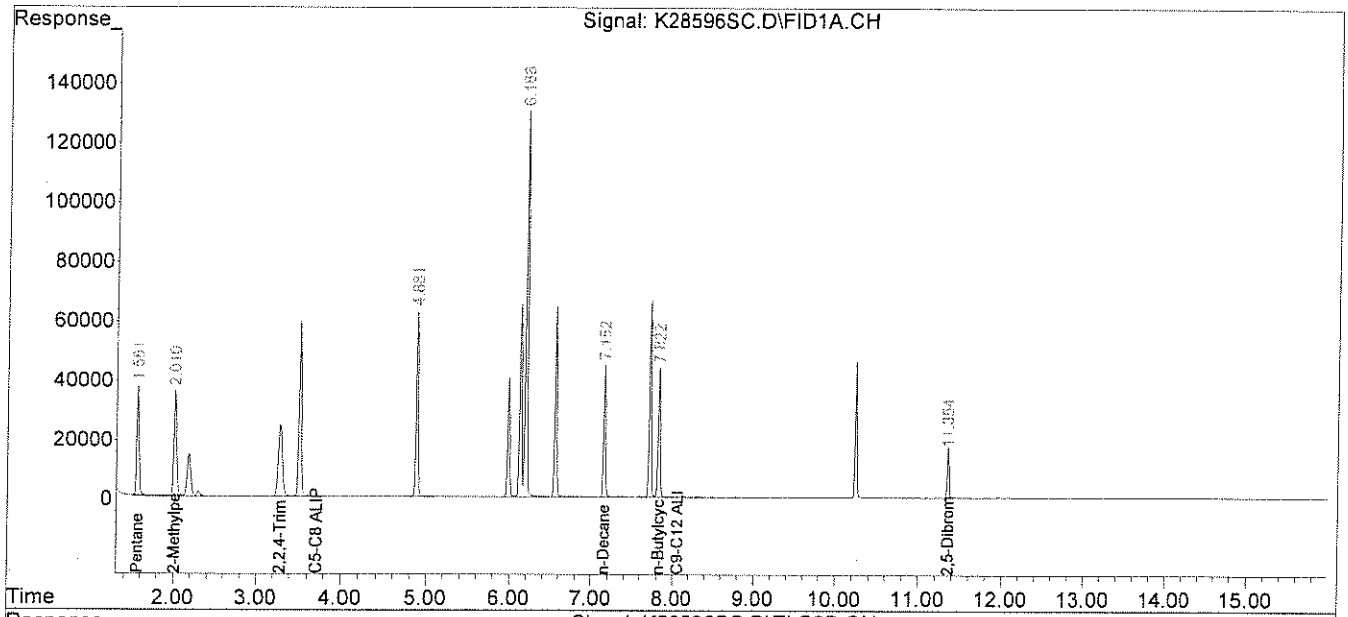
Quantitation Report (Not Reviewed)

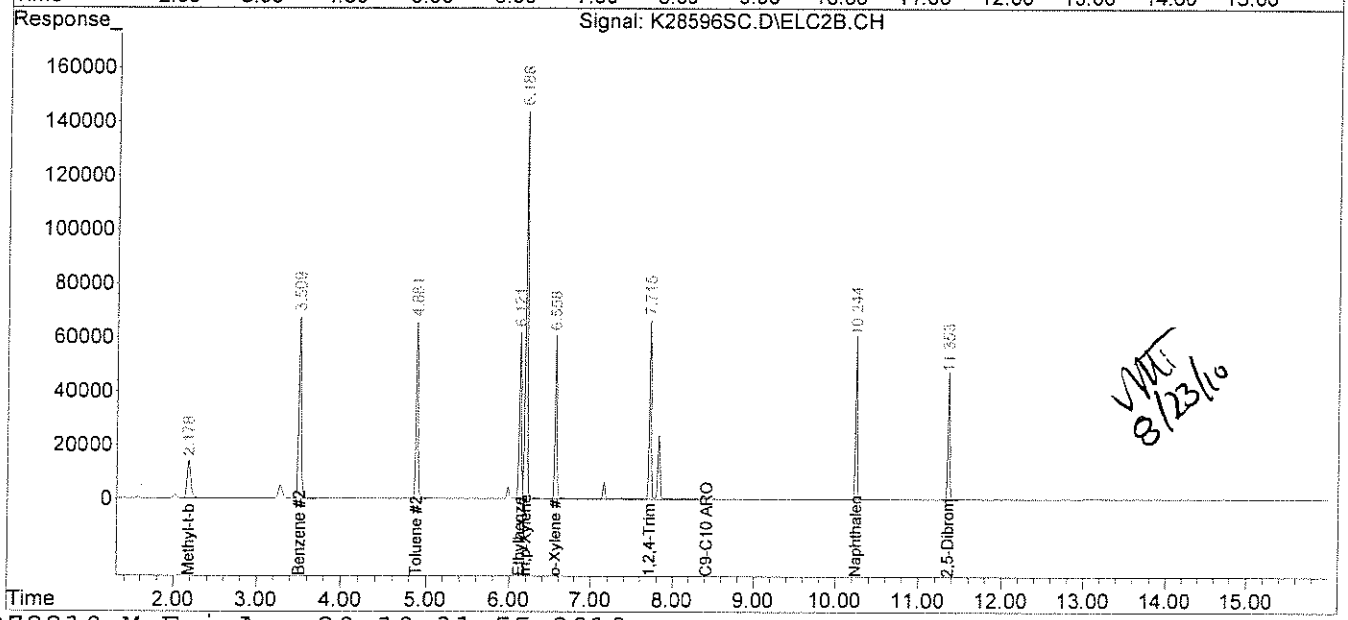
Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28596SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 5:25 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:27:35 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/23/10

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28597SC.D

8/20/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	106	6.4	
2-Methylpentane	106	6.3	
2,2,4-Trimethylpentane	109	8.7	
n-Decane	110	10.1	
n-Butylcyclohexane	108	7.5	
2,5-Dibromotoluene	96	4.0	
Methyl-t-butylether #2	97	2.7	
Benzene #2	102	2.3	
Toluene #2	103	3.3	
Ethylbenzene #2	101	0.6	
m,p-Xylene #2	206	3.1	
o-Xylene #2	97	2.5	
1,2,4-Trimethylbenzene #2	97	2.9	
Naphthalene #2	98	2.4	
2,5-Dibromotoluene #2	100	0.4	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT 8/23/10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28597SC.D
Date Acquired 8/19/2010 17:50

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5627	1.5680	0.0053	0.0438	OK	106.37	6.37	OK
2-Methylpentane	2.0118	2.0150	0.0032	0.0447	OK	106.31	6.31	OK
2,2,4-Trimethylpentane	3.2825	3.2850	0.0025	0.0405	OK	108.68	8.68	OK
C5-C8 ALIPHATICS						321.35	7.12	OK
n-Decane	7.1535	7.1540	0.0005	0.0380	OK	110.14	10.14	OK
n-Butylcyclohexane	7.8229	7.8240	0.0011	0.0380	OK	107.54	7.54	OK
C9-C12 ALIPHATICS						217.68	8.84	OK
2,5-Dibromotoluene	11.3554	11.3580	0.0026	0.0380	OK	95.98	4.02	OK
PID								
Methyl-t-butylether #2	2.1794	2.1830	0.0036	0.0447	OK	97.31	2.69	OK
Benzene #2	3.5102	3.5120	0.0018	0.0380	OK	102.28	2.28	OK
Toluene #2	4.8821	4.8830	0.0009	0.0344	OK	103.26	3.26	OK
Ethylbenzene #2	6.1227	6.1240	0.0013	0.0344	OK	100.61	0.61	OK
m,p-Xylene #2	6.1895	6.1900	0.0006	0.0344	OK	206.13	3.06	OK
o-Xylene #2	6.5594	6.5610	0.0016	0.0344	OK	97.49	2.51	OK
1,2,4-Trimethylbenzene #2	7.7166	7.7180	0.0014	0.0344	OK	97.09	2.91	OK
C9-C10 AROMATICS #2						97.09	2.91	OK
Naphthalene #2	10.2458	10.2480	0.0022	0.0344	OK	97.58	2.42	OK
2,5-Dibromotoluene #2	11.3548	11.3570	0.0022	0.0344	OK	100.37	0.37	OK

8/20/10

8/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28597SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 5:50 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:28:02 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

System Monitoring Compounds

18)	S	2,5-Dibro...	11.355	11.355	282314	792252	95.982	100.375

Spiked Amount 100.000 Range 70 - 130 Recovery = 95.98% 100.37%

Target Compounds

1)	Z	Pentane	1.563	1.563	744314	12206	106.370	NoCal	#
2)	Z	2-Methylp...	2.012	2.011	870107	37042	106.308	NoCal	#
3)	TM	Methyl-t-...	2.180	2.179	447462	453821	NoCal	97.313	#
4)	Z	2,2,4-Tri...	3.282	3.281	838642	175707	108.676	NoCal	#
5)	TM	Benzene	3.511	3.510	1159501	1330922	NoCal	102.282	#
6)	TM	Toluene	4.883	4.882	1148127	1231482	NoCal	103.264	#
7)	XH	C5-C8 ALI...	3.717	0.000	5369138	0	733.024	N.D.	#
9)	TM	Ethylbenzene	6.123	6.123	1138830	1099289	NoCal	100.609	#
10)	TM	m,p-Xylene	6.190	6.189	2310716	2586090	NoCal	206.127	#
11)	TM	o-Xylene	6.560	6.559	1141581	1090589	NoCal	97.495	#
12)	Z	n-Decane	7.154	7.153	759622	115994	110.144	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	791617	453418	107.537	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	8086287	0	1134.282	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.717	1126096	1145292	NoCal	97.092	#
16)	XH	C9-C10 AR...	10.410	8.424	3	1926857	NoCal	163.349	#
17)	TM	Naphthalene	10.246	10.246	732470	994576	NoCal	97.580	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

VMT 8/23/10

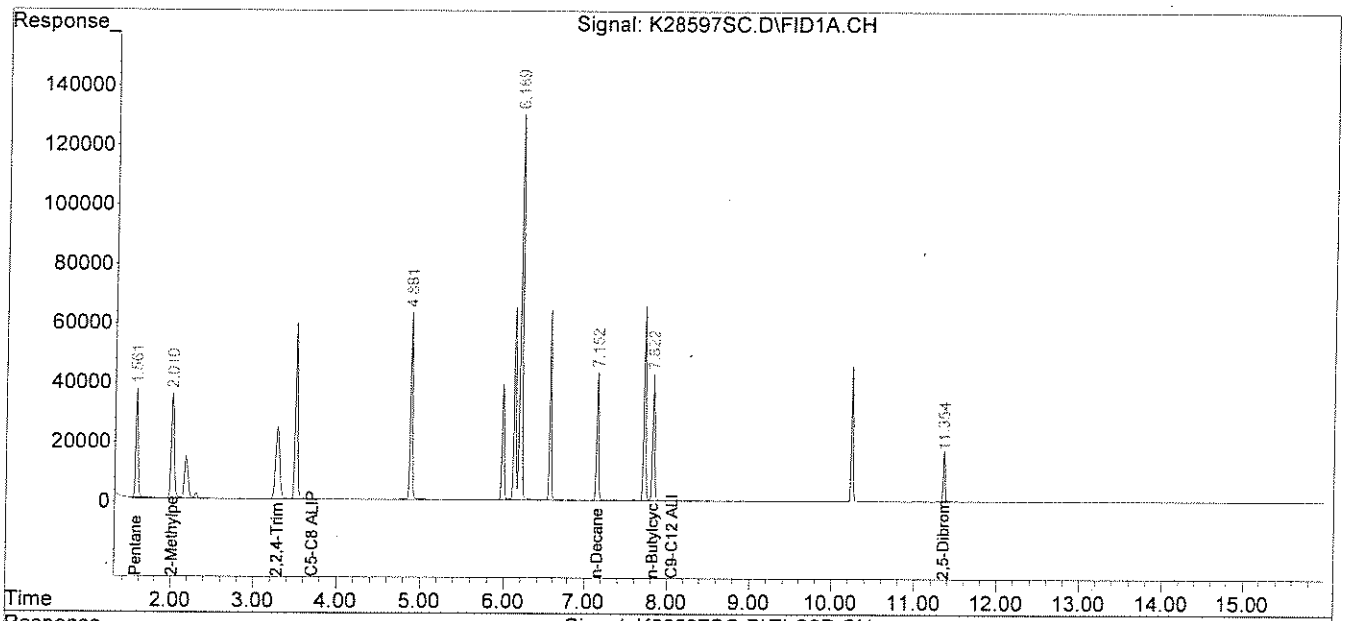
Quantitation Report (Not Reviewed)

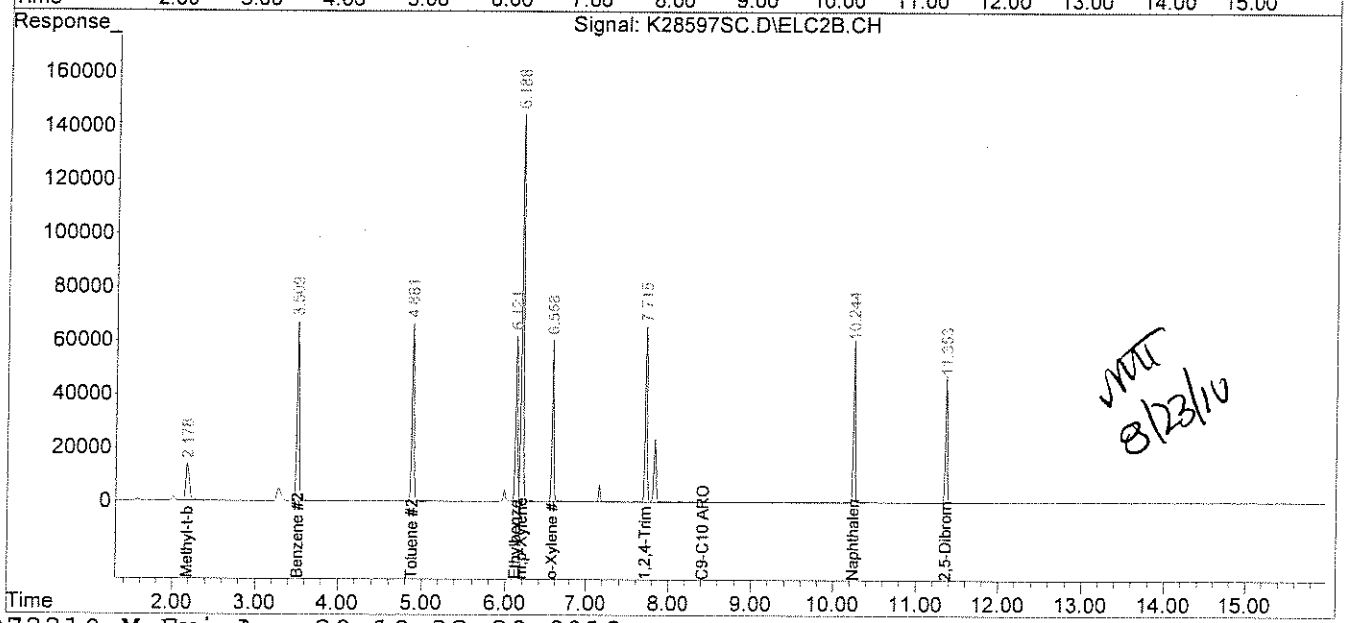
Data Path : C:\msdchem\1\DATA\081910-K\
Data File : K28597SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 19 Aug 2010 5:50 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 10:28:02 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 8/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/23/10

EPH
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B081310EASE
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 08/13/10
Analysis Date: 09/14/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				84
Aromatic Surrogate % Recovery (O-Terphenyl)				65
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				82
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				73
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35370B.D
Acq On : 14 Aug 2010 11:04 pm
Operator : MG/ALR
Sample : B081310EASE
Misc : SOIL,ARO
ALS Vial : 43 Sample Multiplier: 1

Q

J81510

Quant Time: Aug 15 09:46:54 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.093	95	87317	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.547	172	476282	16.48 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	82.40%	82
10) 2-Bromonaphthalene	6.081	206	209646	14.61 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	73.05%	73
11) o-terphenyl	7.601	230	425013	16.84 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	84.20%	84
Target Compounds					Qvalue
~~5) Acenaphthene~~	6.104	154	190	~~1.25 ug/ml#~~	~~1~~
~~6) Fluorene~~	6.526	166	297	~~1.37 ug/ml#~~	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

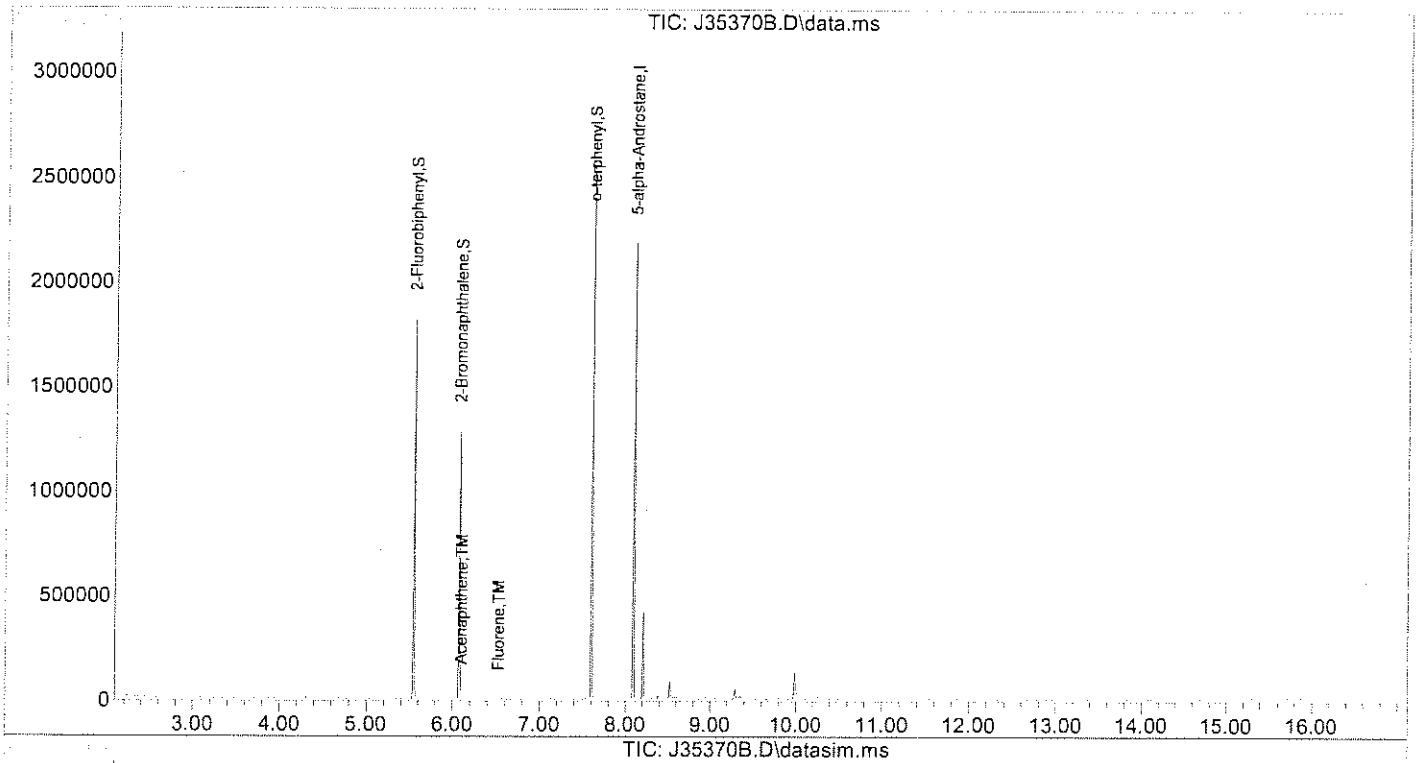
JMT 8/17/10

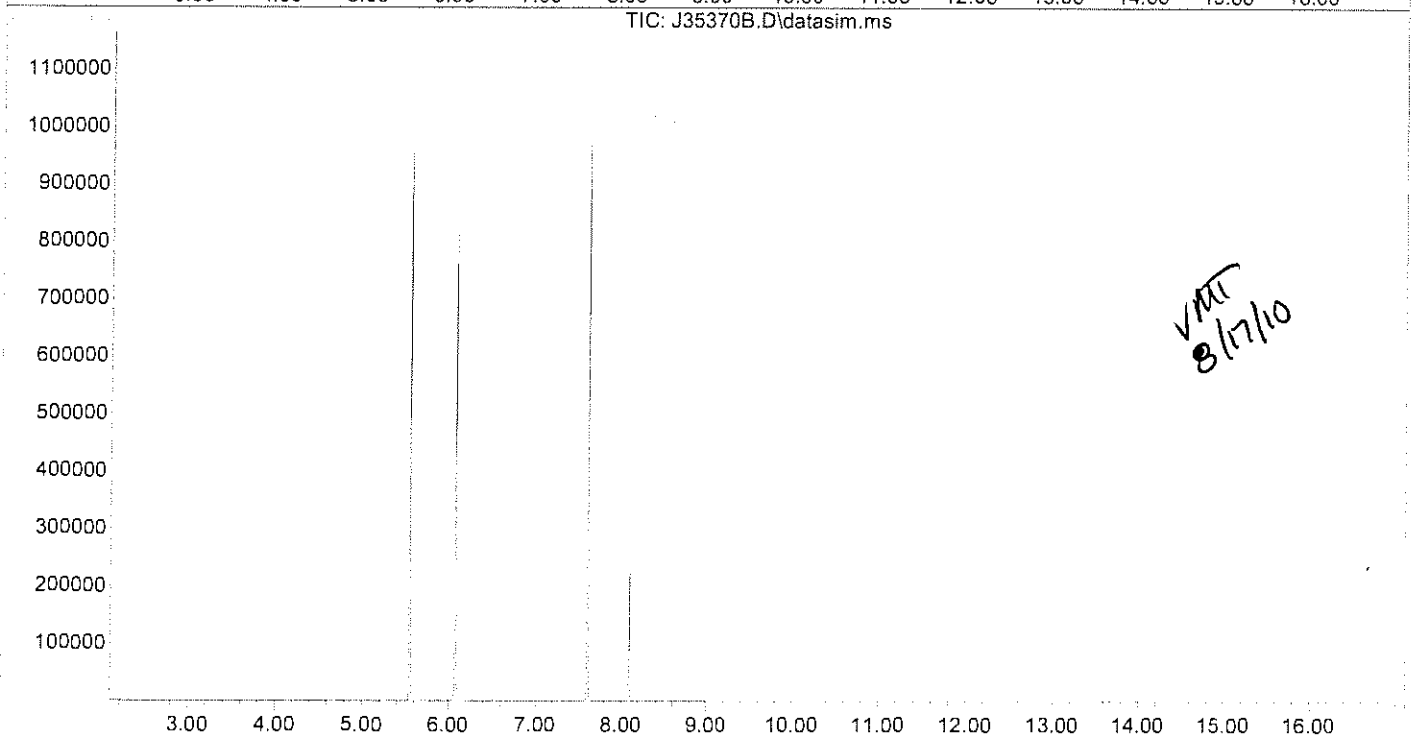
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35370B.D
Acq On : 14 Aug 2010 11:04 pm
Operator : MG/ALR
Sample : B081310EASE
Misc : SOIL,ARO
ALS Vial : 43 Sample Multiplier: 1

JCW

Quant Time: Aug 15 09:46:54 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration





VMT 8/17/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35370B.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 11:04 pm
Operator : MG/ALR
Sample : B081310EASE
Misc : SOIL,ARO
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:33 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

D 8,520

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.097	19157768	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.551	14398125	16.510 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	82.55%
10) S 2-Bromonaphthalene	6.079	11474959	14.831 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	74.15%
11) S o-terphenyl	7.603	19586793	16.454 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	82.27%
Target Compounds			
2) TZ Naphthalene	4.681	76154	<MDL ug/ml
3) TZ 2-Methylnaphthalene	5.242	46798	<MDL ug/ml
4) TZ Acenaphthylene	5.962	23796	<MDL ug/ml
5) TZ Acenaphthene	6.079f	11474959	11.497 ug/ml
6) TZ Fluorene	6.529	19472	1.186 ug/ml
7) TZ Phenanthrene	7.303	38101	<MDL ug/ml
8) TZ Anthracene	7.326	46733	<MDL ug/ml
12) TZ Fluoranthene	8.266	46898	<MDL ug/ml
13) TZ Pyrene	8.527	939341	<MDL ug/ml
14) TZ Benzo[a]anthracene	9.785	261136	<MDL ug/ml
15) TZ Chrysene	9.785	261136	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.308	199629	<MDL ug/ml
17) TZ Benzo[k] fluoranthene	11.377	66710	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.830	46607	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.598	21436	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.679	129439	1.252 ug/ml
21) TZ Benzo(g,h,i) perylene	14.021	12385	<MDL ug/ml
22) XH c11-c22	12.565	25560224	~~27.323 ug/ml~~

(f)=RT Delta > 1/2 Window (m)=manual int

16.928

VMT 8/17/10

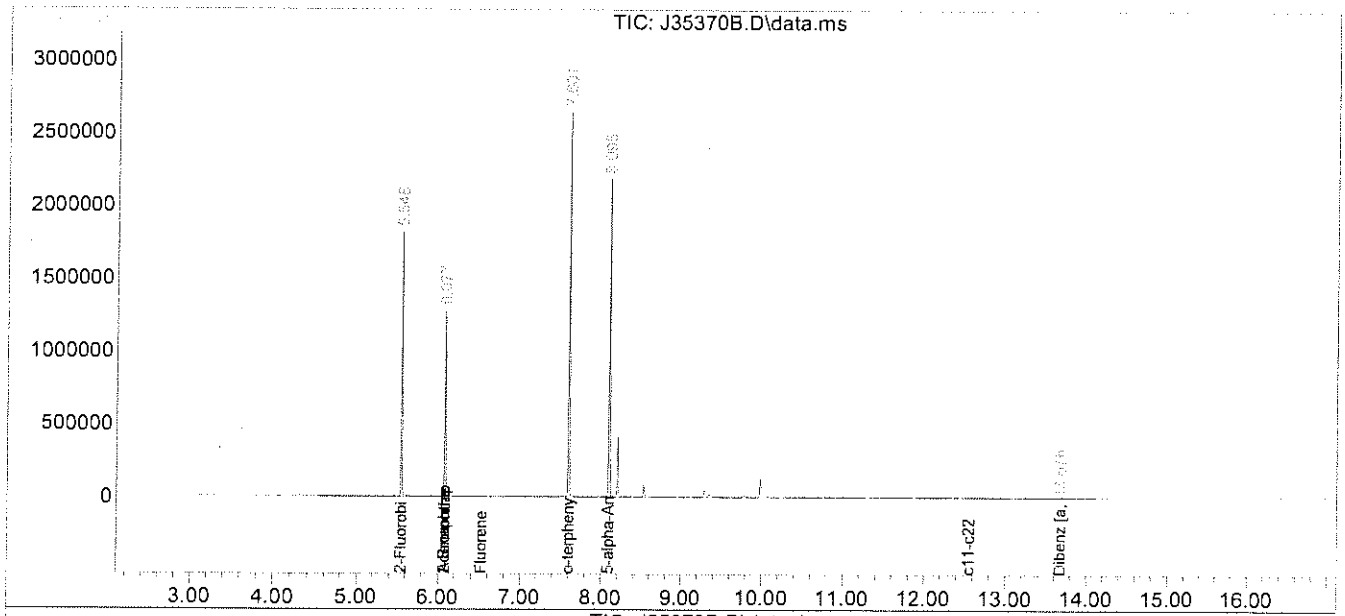
Quantitation Report (Not Reviewed)

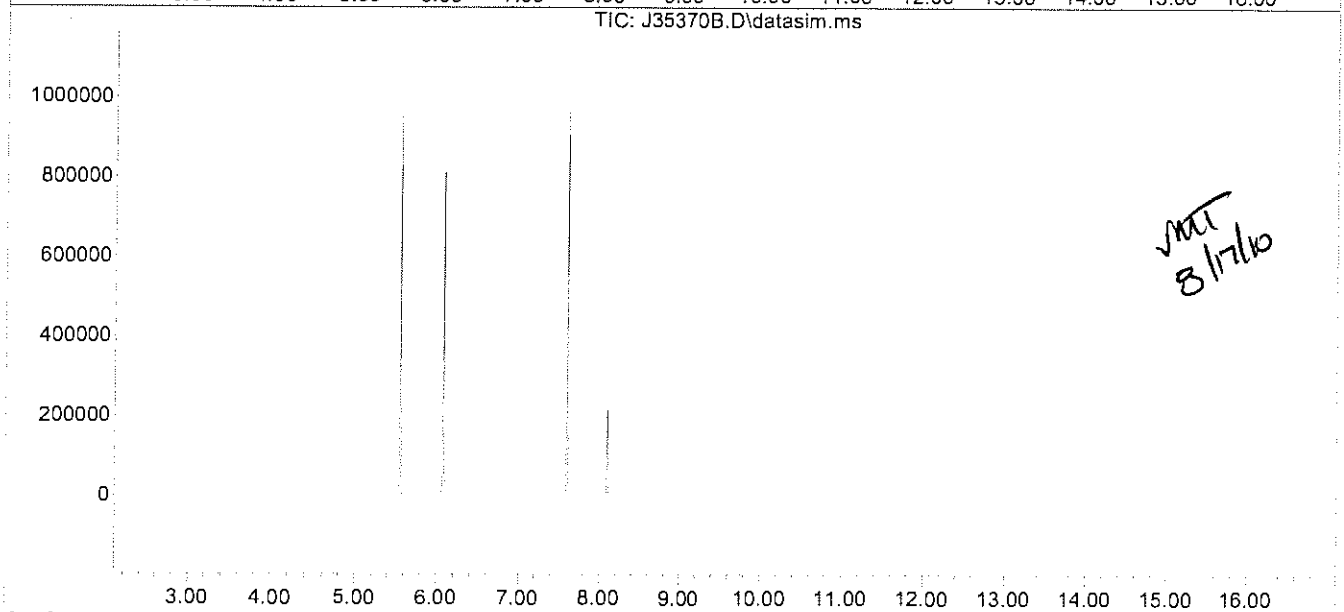
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35370B.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 11:04 pm
Operator : MG/ALR
Sample : B081310EASE
Misc : SOIL,ARO
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:33 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

J81520

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





MAT 8/17/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71832B.D
Acq On : 14 Aug 2010 8:41 am
Sample : B081310EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 14 14:58 2010 Quant Results File: ALG80410.RES

Vial: 35
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

MG 2010

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.93	6028650	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.02	4815290	13.016 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	65.08%
Target Compounds			
2) TZM C-9	4.16	25398	<MDL ug/ml
3) TZM C-10	5.13	24905	<MDL ug/ml
4) TZM C-12	6.60	42037	<MDL ug/ml
5) TZM C-14	7.77	44424	<MDL ug/ml
6) TZM C-16	8.80	47179	<MDL ug/ml
7) TZM C-18	9.73	27584	<MDL ug/ml
8) XH C9-C18	7.53	3275069	~~8.181 ug/ml~~
9) TZM C-19	10.14	27628	<MDL ug/ml
10) TZM C-20	10.58	19476	<MDL ug/ml
12) TZM C-22	11.59	33716	<MDL ug/ml
13) TZM C-24	12.89	38779	<MDL ug/ml
14) TZM C-26	14.44	2023	<MDL ug/ml
15) TZM C-28	15.98	5173	<MDL ug/ml
16) TZM C-30	17.46	13998	<MDL ug/ml
17) TZM C-36	21.53	14935	4.113 ug/ml
18) XH C19-C36	12.05	6720183	~~20.233 ug/ml~~

6.066 | 16.081

VMC 8/17/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

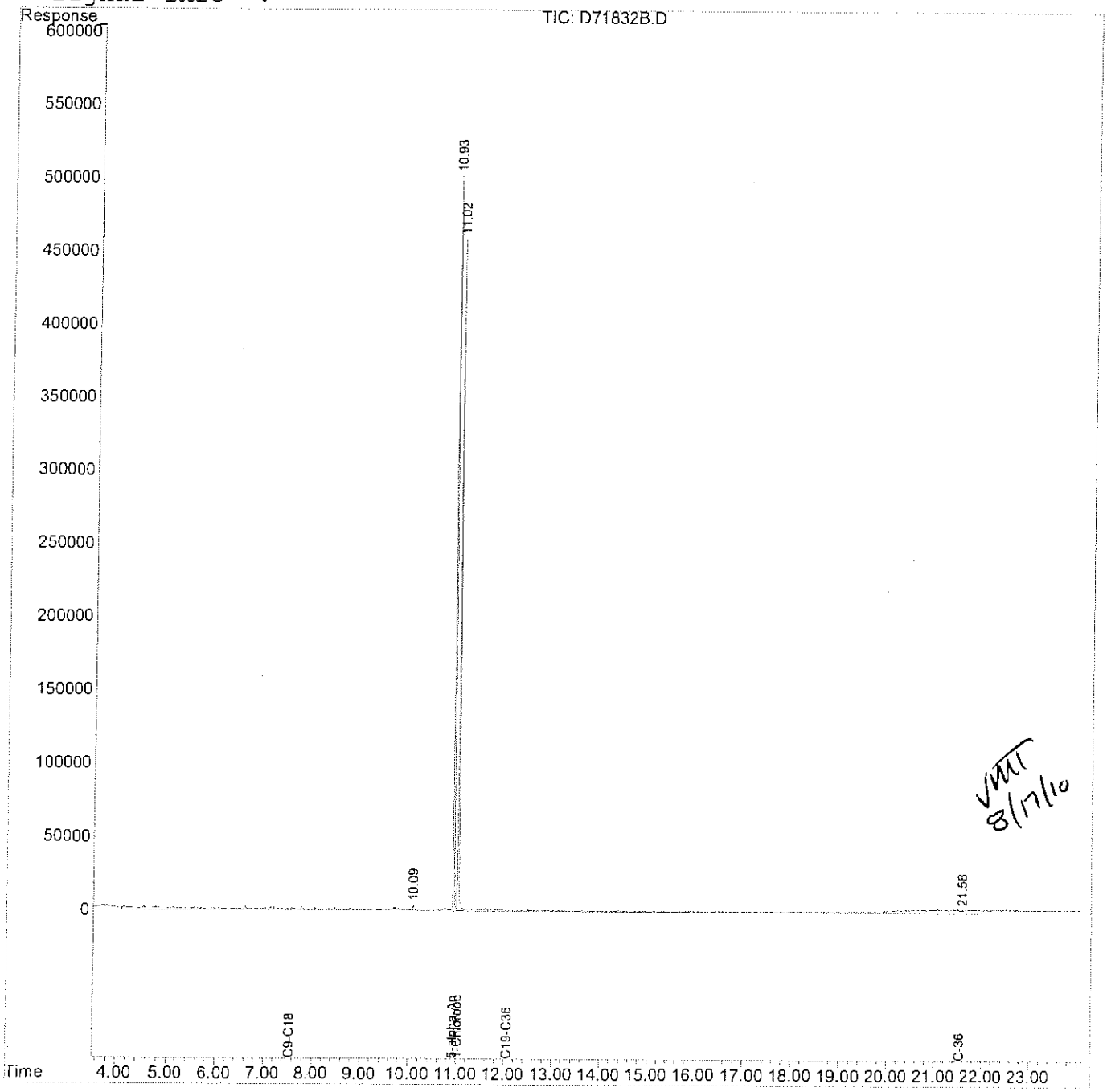
Data File : D:\HPCHEM\1\DATA\081310-D\D71832B.D
Acq On : 14 Aug 2010 8:41 am
Sample : B081310EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 14 14:58 2010 Quant Results File: ALG80410.RES

Vial: 35
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

S81410



VMT 8/17/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

August 23, 2010

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LRA-6-A

SAMPLE DATA

Lab Sample ID: 67514-1
Matrix: Solid
Percent Solid: 81
Dilution Factor: 1.2
Collection Date: 08/12/10
Lab Receipt Date: 08/13/10
Extraction Date: 08/13/10
Analysis Date: 08/15/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		32200	µg/kg	**34400**
Diesel PAH Analytes	Naphthalene	322	µg/kg	**279 J**
	2-Methylnaphthalene	322	µg/kg	**584**
	Phenanthrene	322	µg/kg	U
	Acenaphthene	322	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	322	µg/kg	U
	Fluorene	322	µg/kg	U
	Anthracene	322	µg/kg	U
	Fluoranthene	322	µg/kg	U
	Pyrene	322	µg/kg	U
	Benzo[a]anthracene	322	µg/kg	U
	Chrysene	322	µg/kg	U
	Benzo[b]fluoranthene	322	µg/kg	U
	Benzo[k]fluoranthene	322	µg/kg	U
	Benzo[a]pyrene	322	µg/kg	U
	Indeno[1,2,3-cd]pyrene	322	µg/kg	U
	Dibenzo[a,h]anthracene	322	µg/kg	U
	Benzo[g,h,i]perylene	322	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		32200	µg/kg	**68400**
C19-C36 Aliphatic Hydrocarbons[1]		32200	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		32200	µg/kg	**32900**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				62
Aromatic Surrogate % Recovery (O-Terphenyl)				71
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				88
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				78
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67514-1

D81700

Dilution Factors	ARO	1.205186		ALI 1.2051864
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics		34364		32138
Naphthalene		279	J	321
2-Methylnaphthalene		584		321
Phenanthrene		U		321
Acenaphthene		200	J	321
Acenaphthylene		U		321
Fluorene		219	J	321
Anthracene		U		321
Fluoranthene		U		321
Pyrene		U		321
Benzo[a]anthracene		U		321
Chrysene		U		321
Benzo[b] fluoranthene		U		321
Benzo[k] fluoranthene		U		321
Benzo[a] pyrene		U		321
Indeno [1,2,3-cd] pyrene		U		321
Dibenz [a,h] anthracene		U		321
Benzo(g,h,i) perylene		U		321
C9-C18 Aliphatics		68422		32138
C19-C36 Aliphatics		U		32138
C11-C22 Aromatics		32929		32138
1-Chlorooctadecane (Ali)		62%	40-140%	PASS
o-terphenyl (Aro)		71%	40-140%	PASS
2-Fluorobiphenyl (Fraction)		88%	40-140%	PASS
2-Bromonaphthalene (Fraction)		78%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35380.D	---------
Date Acquired	8/15/2010 2:52	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	15.36	15.36
% Solid (divided by 100)	0.8103	0.8103
Final Volume (mL)	2.0	2.0
Dilution (1:X)	1	1
Calculation Factor	160.6915	160.6915

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	1.74	279	Avg RF
2-Methylnaphthalene	3.64	584	Avg RF
Acenaphthylene	0.08	12	Avg RF
Acenaphthene	1.25	200	Quadratic
Fluorene	1.36	219	Quadratic
Phenanthrene	0.25	40	Avg RF
Anthracene	0.04	6	Avg RF
Fluoranthene	0.16	25	Avg RF
Pyrene	0.12	20	Avg RF
Benzo[a]anthracene	0.05	8	Avg RF
Chrysene	0.02	3	Avg RF
Benzo[b] fluoranthene	0.09	14	Avg RF
Benzo[k] fluoranthene	0.09	15	Avg RF
Benzo[a] pyrene	0.04	6	Avg RF
Indeno [1,2,3-cd] pyrene	0.01	1	Avg RF
Dibenz [a,h] anthracene	0.01	1	Avg RF
Benzo(g,h,i) perylene	0.01	2	Avg RF
C11-C22	230.778	34364	
ARO Hexane Blank	16.928		
Adjusted C11-C22		32929	
ALIPHATICS			
C9-C18	431.802	68422	
C9-C18 Hexane Blank	6.006		
C19-C36	88.342	11483	
C19-C36 Hexane Blank	16.881		
Surrogates			
1-Chlorooctadecane (Ali)	12.458	62%	
2-Fluorobiphenyl (Fraction)	17.56	88%	
2-Bromonaphthalene (Fraction)	15.55	78%	
o-terphenyl (Aro)	14.24	71%	

VMT 8/18/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35380.D
Acq On : 15 Aug 2010 2:52 am
Operator : MG/ALR
Sample : 67514-1
Misc : SOIL,ARO
ALS Vial : 53 Sample Multiplier: 1

Q

J81510

Quant Time: Aug 15 09:47:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.092	95	83943	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	488009	17.56 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	87.80%	88
10) 2-Bromonaphthalene	6.080	206	213411	15.55 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	77.75%	78
11) o-terphenyl	7.600	230	345409	14.24 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	71.20%	71
Target Compounds					Qvalue
2) Naphthalene	4.680	128	57486	1.74 ug/ml#	83
3) 2-Methylnaphthalene	5.243	141	69914	3.64 ug/ml#	94
~~5) Acenaphthene~~	6.104	154	1881	~~1.31 ug/ml#~~	~~40~~
~~6) Fluorene~~	6.525	166	6517	1.54 ug/ml#	32

(#) = qualifier out of range (m) = manual integration (+) = signals summed

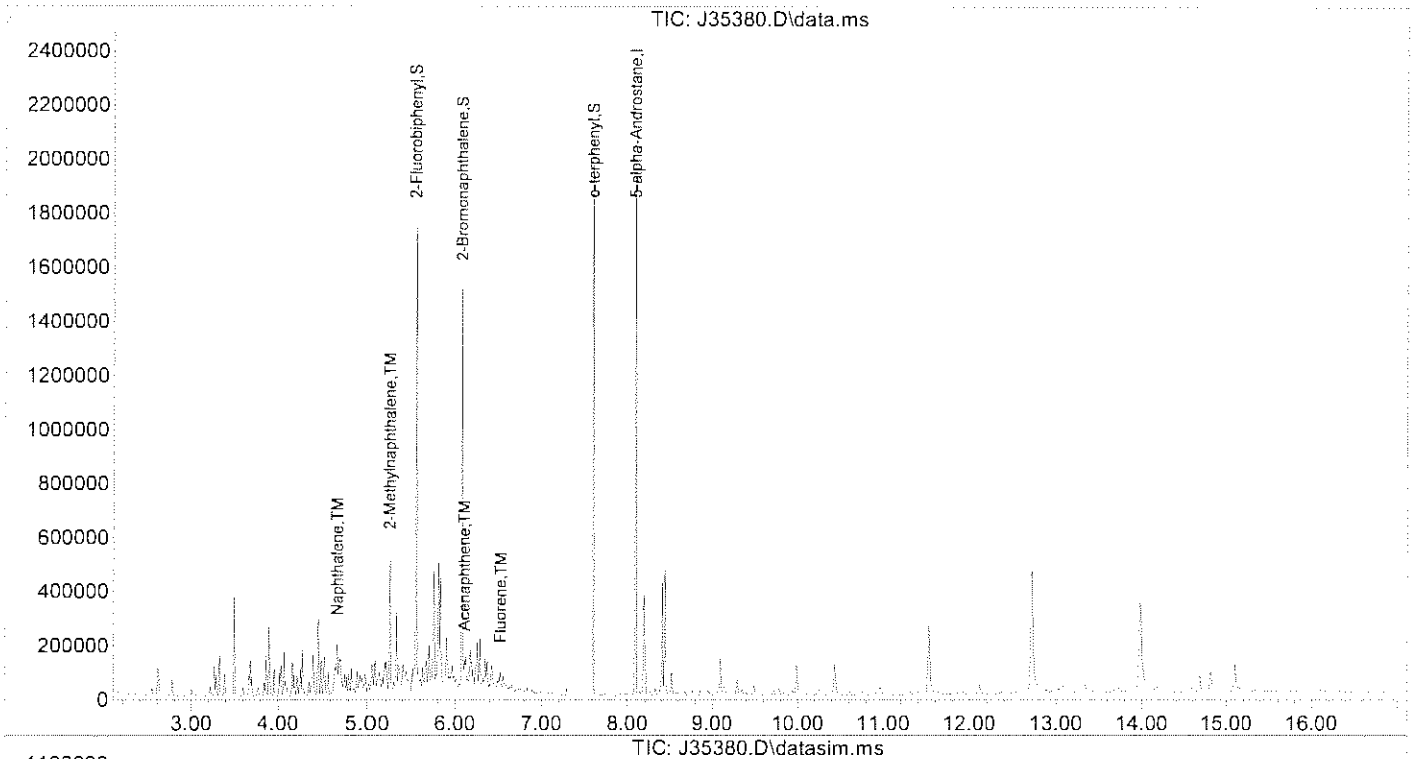
VMT 8/18/10

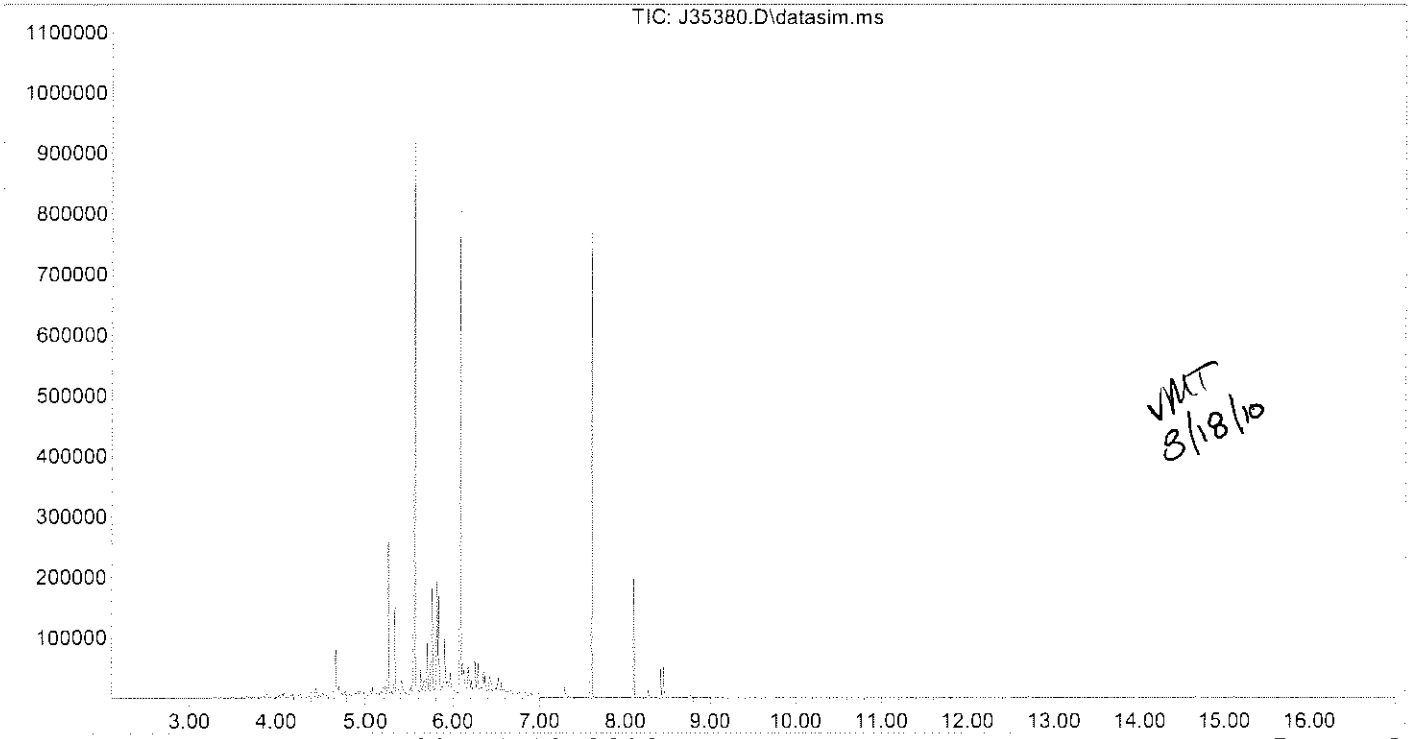
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35380.D
Acq On : 15 Aug 2010 2:52 am
Operator : MG/ALR
Sample : 67514-1
Misc : SOIL,ARO
ALS Vial : 53 Sample Multiplier: 1

J81510

Quant Time: Aug 15 09:47:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration





VMT 8/18/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35380.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 15 Aug 2010 2:52 am
Operator : MG/ALR
Sample : 67514-1
Misc : SOIL,ARO
ALS Vial : 53 Sample Multiplier: 1

Q

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:45 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

J81510

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.096	18239673	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.551	15780341	19.006 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	95.03% 95
10) S 2-Bromonaphthalene	6.080	12882717	17.854 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	89.27% 89
11) S o-terphenyl	7.602	15897884	14.027 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	70.13% 70
Target Compounds			
2) TZ Naphthalene	4.673	3772512	5.109 ug/ml
3) TZ 2-Methylnaphthalene	5.244	3978171	5.061 ug/ml
4) TZ Acenaphthylene	5.968	791170	1.024 ug/ml
5) TZ Acenaphthene	6.112	946234	1.871 ug/ml
6) TZ Fluorene	6.526	692187	1.775 ug/ml
7) TZ Phenanthrene	7.295	275742	<MDL ug/ml
8) TZ Anthracene	7.334	42452	<MDL ug/ml
12) TZ Fluoranthene	8.265	204631	<MDL ug/ml
13) TZ Pyrene	8.442	4566582	4.296 ug/ml
14) TZ Benzo[a]anthracene	9.782	437698	<MDL ug/ml
15) TZ Chrysene	9.833	199672	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.355	45770	<MDL ug/ml
17) TZ Benzo[k] fluoranthene	11.390	141539	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.820	31168	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.602	59071	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.657	257836	1.374 ug/ml
21) TZ Benzo(g,h,i) perylene	13.982	10060654	11.735 ug/ml
22) XH c11-c22	12.565	205543940	230.778 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

16928 VMT 8/18/10

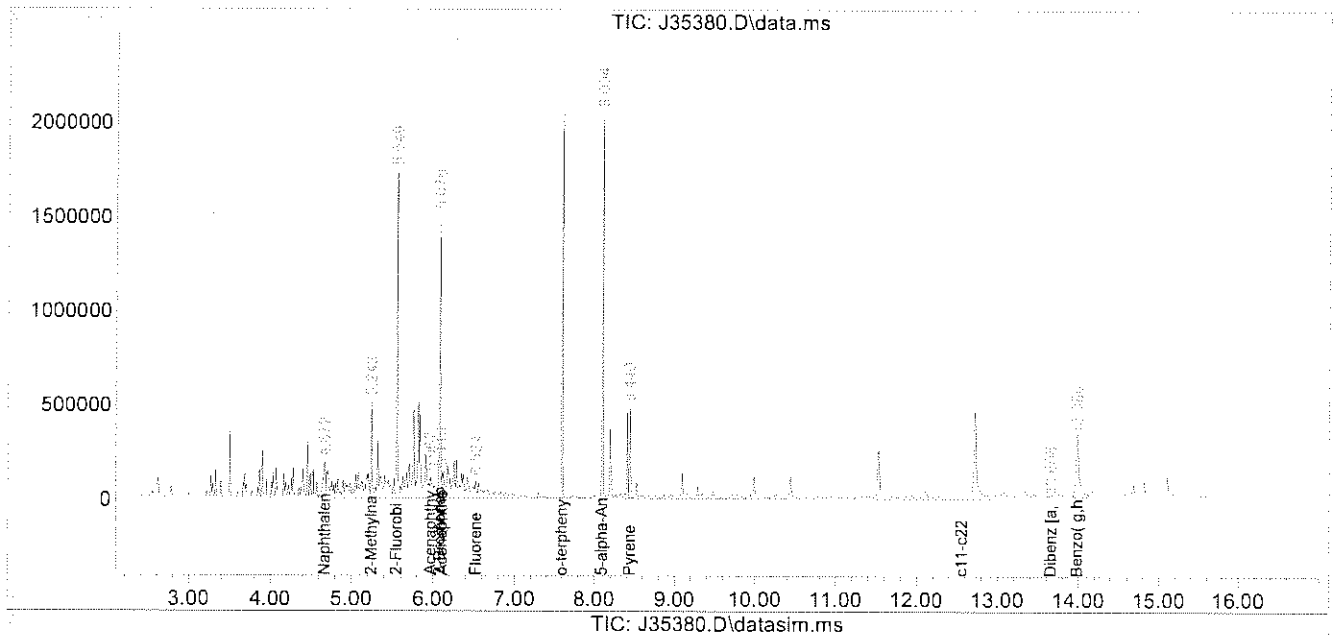
Quantitation Report (Not Reviewed)

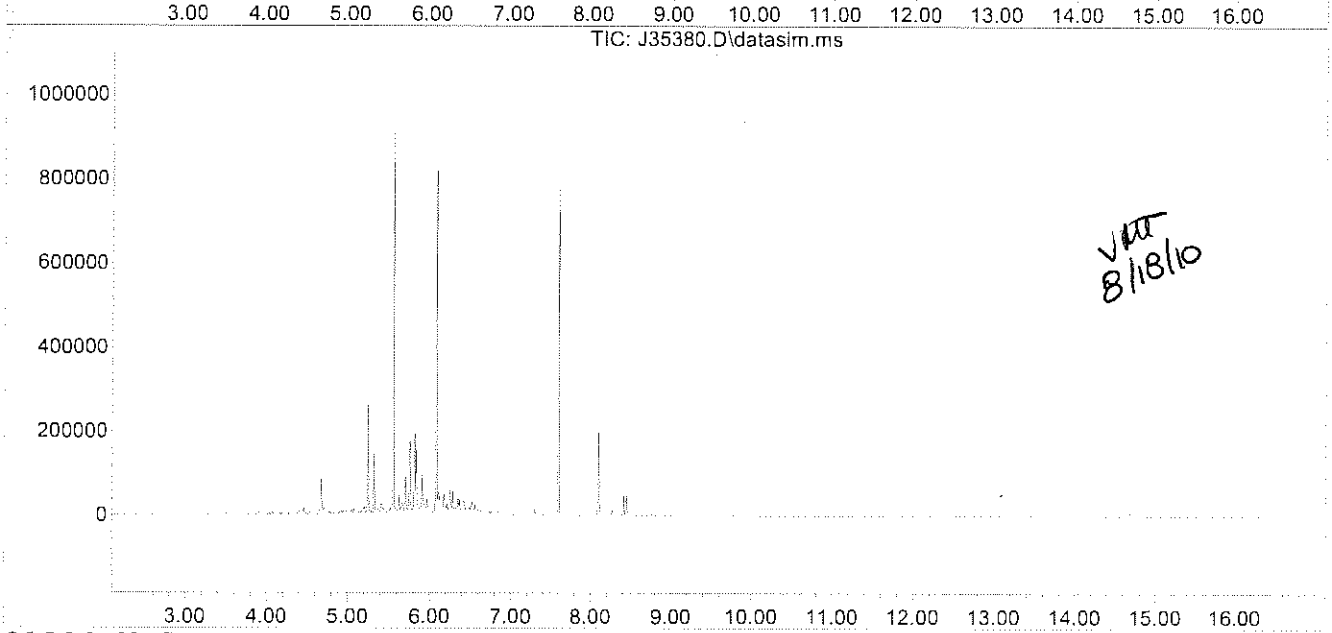
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35380.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 15 Aug 2010 2:52 am
Operator : MG/ALR
Sample : 67514-1
Misc : SOIL,ARO
ALS Vial : 53 Sample Multiplier: 1

J8/8/10

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:45 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/18/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71840.D
Acq On : 14 Aug 2010 12:41 pm
Sample : 67514-1
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 14 14:58 2010 Quant Results File: ALG80410.RES

Vial: 43
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

581410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.93	6459172	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.02	4938223	12.458 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	62.29%
Target Compounds			
2) TZM C-9	4.14	1341513	3.345 ug/ml
3) TZM C-10	5.14	2054048	5.008 ug/ml
4) TZM C-12	6.59	2111039	4.793 ug/ml
5) TZM C-14	7.76	3375584	7.472 ug/ml
6) TZM C-16	8.82	685800	1.573 ug/ml
7) TZM C-18	9.73	66856	<MDL ug/ml
8) XH C9-C18	7.53	185195843	431.802 ug/ml
9) TZM C-19	10.14	108223	<MDL ug/ml
10) TZM C-20	10.57	126668	<MDL ug/ml
12) TZM C-22	11.63	22753	<MDL ug/ml
13) TZM C-24	12.90	353377	<MDL ug/ml
14) TZM C-26	14.39	349351	<MDL ug/ml
15) TZM C-28	15.92	406080	1.250 ug/ml
16) TZM C-30	17.50	38238	<MDL ug/ml
17) TZM C-36	21.50	43060	4.227 ug/ml
18) XH C19-C36	12.05	31437312	88.342 ug/ml

6.006 / 16.881

VMT 8/18/10

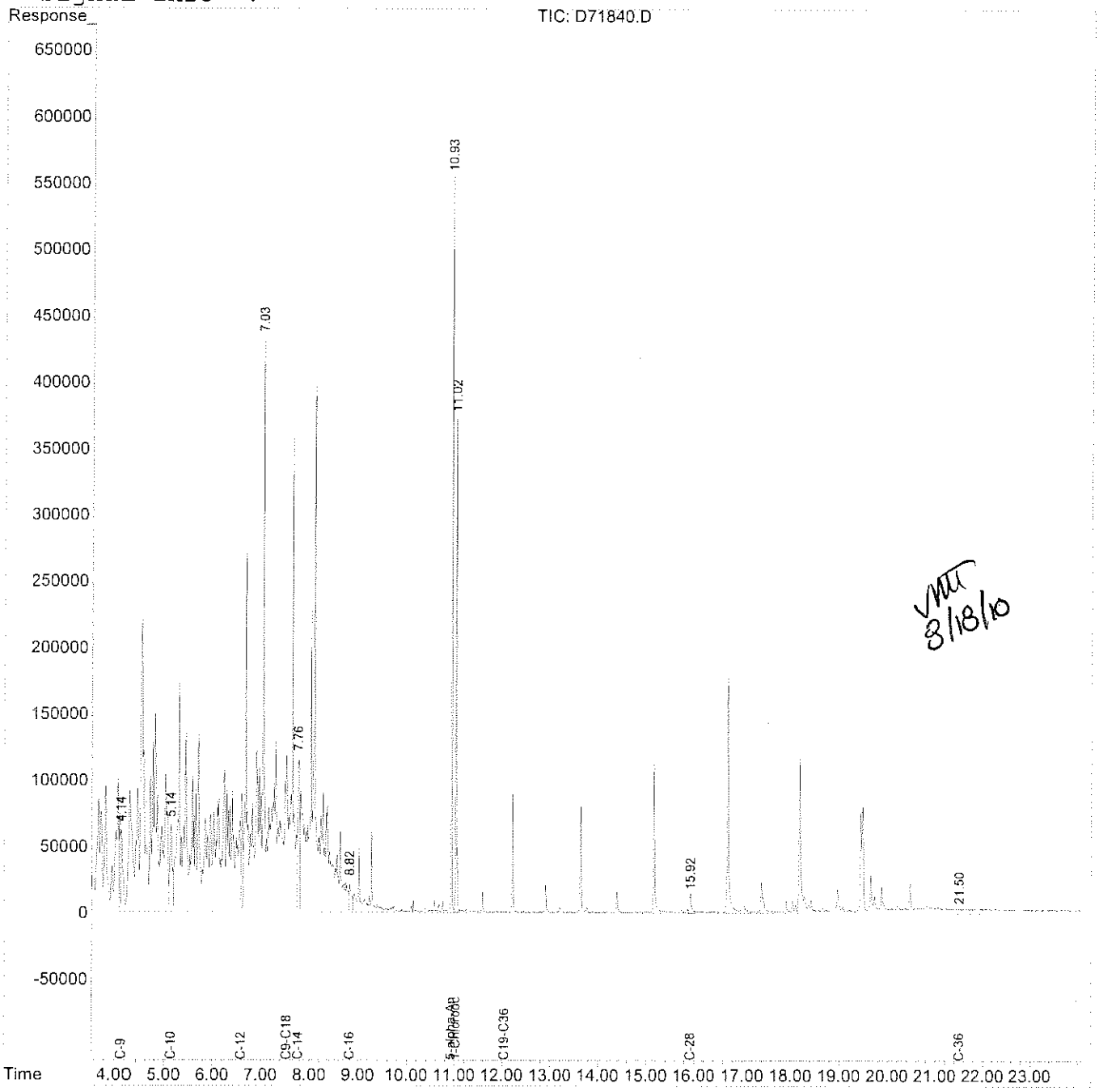
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71840.D Vial: 43
Acq On : 14 Aug 2010 12:41 pm Operator: AR/MG
Sample : 67514-1 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 14 14:58 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



D71840.D ALG80410.M Sat Aug 14 14:58:46 2010 Page 2

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

August 23, 2010

Mr. Richard Claydon
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY HANGER 2

Project Number: 106-2282
Client Sample ID: LRA-10-A

SAMPLE DATA

Lab Sample ID: 67514-2
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 08/11/10
Lab Receipt Date: 08/13/10
Extraction Date: 08/13/10
Analysis Date: 08/15/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27600	µg/kg	U
Diesel PAH Analytes	Naphthalene	276	µg/kg	U
	2-Methylnaphthalene	276	µg/kg	U
	Phenanthrene	276	µg/kg	U
	Acenaphthene	276	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	276	µg/kg	U
	Fluorene	276	µg/kg	U
	Anthracene	276	µg/kg	U
	Fluoranthene	276	µg/kg	U
	Pyrene	276	µg/kg	U
	Benzo[a]anthracene	276	µg/kg	U
	Chrysene	276	µg/kg	U
	Benzo[b]fluoranthene	276	µg/kg	U
	Benzo[k]fluoranthene	276	µg/kg	U
	Benzo[a]pyrene	276	µg/kg	U
	Indeno[1,2,3-cd]pyrene	276	µg/kg	U
	Dibenzo[a,h]anthracene	276	µg/kg	U
	Benzo[g,h,i]perylene	276	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27600	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				66
Aromatic Surrogate % Recovery (O-Terphenyl)				90
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				93
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				83
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67514-2

081810

Dilution Factors	ARO	1.032752	ALI 1.0327517

	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		27540
Naphthalene	U		275
2-Methylnaphthalene	U		275
Phenanthrene	U		275
Acenaphthene	4 ~~172~~	~~J~~	275
Acenaphthylene	U		275
Fluorene	4 ~~187~~	~~J~~	275
Anthracene	U		275
Fluoranthene	U		275
Pyrene	U		275
Benzo[a]anthracene	U		275
Chrysene	U		275
Benzo[b] fluoranthene	U		275
Benzo[k] fluoranthene	U		275
Benzo[a] pyrene	U		275
Indeno [1,2,3-cd] pyrene	U		275
Dibenz [a,h] anthracene	U		275
Benzo(g,h,i) perylene	U		275
C9-C18 Aliphatics	U		27540
C19-C36 Aliphatics	U		27540
C11-C22 Aromatics	U		27540
1-Chlorooctadecane (Ali)	66%	40-140%	PASS
o-terphenyl (Aro)	90%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	93%	40-140%	PASS
2-Bromonaphthalene (Fraction)	83%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35381.D	----------
Date Acquired	8/15/2010 3:14	----------
Misc Info	SOIL,ARO	----------
Soil Weight (g)	15.15	15.15
% Solid (divided by 100)	0.9587	0.9587
Final Volume (mL)	2.0	2.0
Dilution (1:X)	1	1
Calculation Factor	137.7002	137.7002

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	0.10	14	Avg RF
2-Methylnaphthalene	0.06	8	Avg RF
Acenaphthylene	0.01	2	Avg RF
Acenaphthene	1.25	172	Quadratic
Fluorene	1.36	187	Quadratic
Phenanthrene	0.02	3	Avg RF
Anthracene	0.01	1	Avg RF
Fluoranthene	0.01	2	Avg RF
Pyrene	0.01	2	Avg RF
Benzo[a]anthracene	0.01	1	Avg RF
Chrysene	0.01	2	Avg RF
Benzo[b] fluoranthene	0.00	1	Avg RF
Benzo[k] fluoranthene	0.00	0	Avg RF
Benzo[a] pyrene	0.00	1	Avg RF
Indeno [1,2,3-cd] pyrene	0.01	1	Avg RF
Dibenz [a,h] anthracene	0.01	1	Avg RF
Benzo(g,h,i) perylene	0.01	1	Avg RF
C11-C22	38.182	2927	
ARO Hexane Blank	16.928		
Adjusted C11-C22		2529	
ALIPHATICS			
C9-C18	11.653	778	
C9-C18 Hexane Blank	6.006		
C19-C36	22.713	803	
C19-C36 Hexane Blank	16.881		
Surrogates			
1-Chlorooctadecane (Ali)	13.199	66%	
2-Fluorobiphenyl (Fraction)	18.58	93%	
2-Bromonaphthalene (Fraction)	16.58	83%	
o-terphenyl (Aro)	18.02	90%	

VMT 8/18/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35381.D
Acq On : 15 Aug 2010 3:14 am
Operator : MG/ALR
Sample : 67514-2
Misc : SOIL,ARO
ALS Vial : 54 Sample Multiplier: 1

Q

J81510

Quant Time: Aug 15 09:47:18 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.093	95	79979	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.547	172	491887	18.58 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 92.90%	93
10) 2-Bromonaphthalene	6.080	206	215529	16.58 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 82.90%	83
11) o-terphenyl	7.601	230	416665	18.02 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 90.10%	90
Target Compounds					Qvalue
~~5) Acenaphthene~~	6.104	154	268	~~1.26 ug/ml#~~	57
~~6) Fluorene~~	6.531	166	289	~~1.37 ug/ml#~~	20

(#) = qualifier out of range (m) = manual integration (+) = signals summed

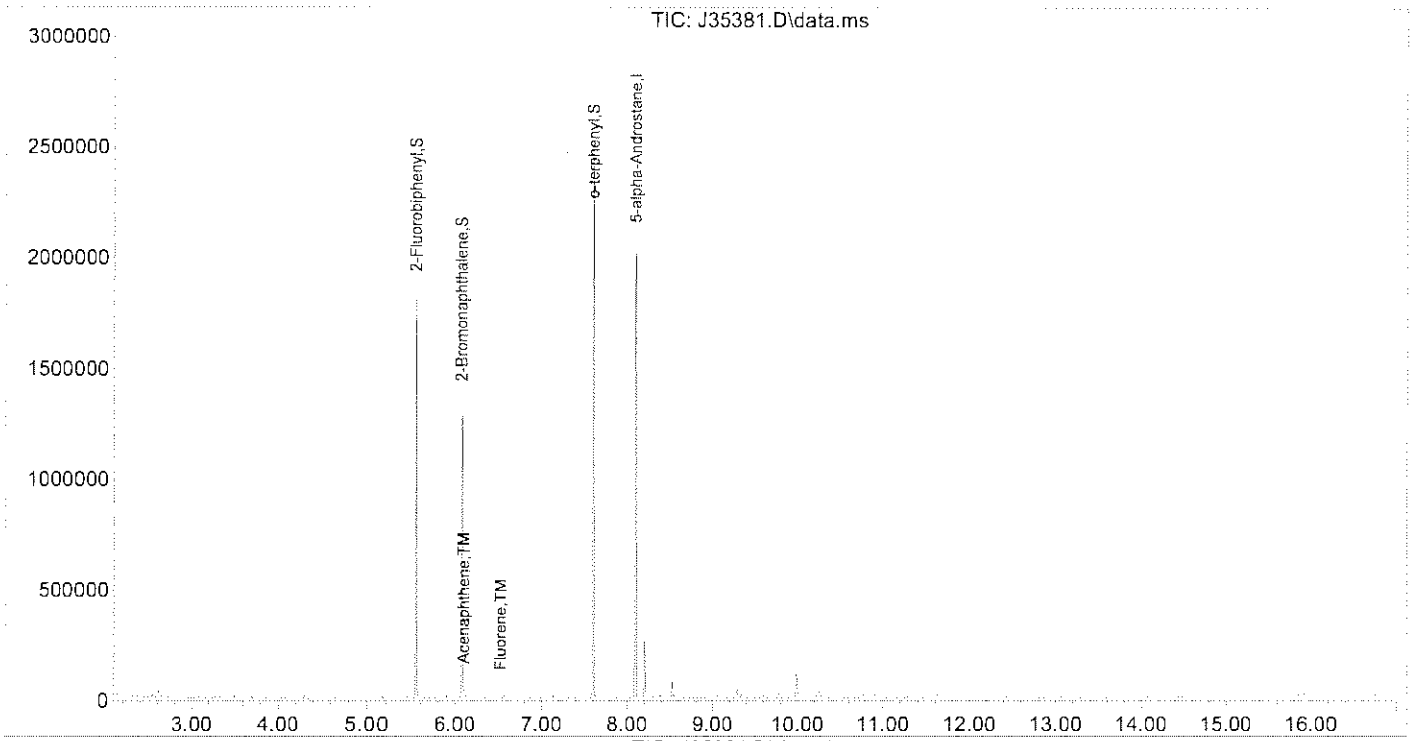
VMT 8/18/10

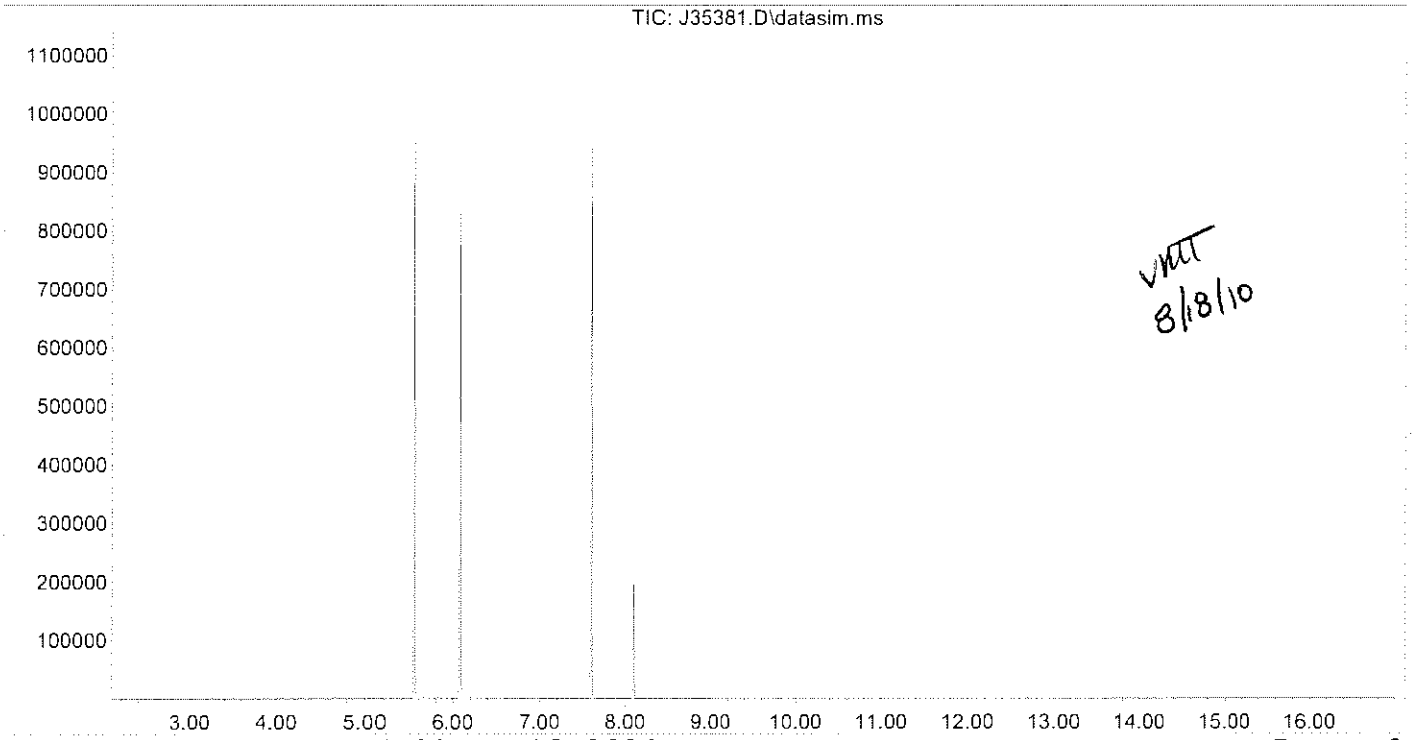
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35381.D
Acq On : 15 Aug 2010 3:14 am
Operator : MG/ALR
Sample : 67514-2
Misc : SOIL,ARO
ALS Vial : 54 Sample Multiplier: 1

081810

Quant Time: Aug 15 09:47:18 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration





VMT 8/18/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35381.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 15 Aug 2010 3:14 am
Operator : MG/ALR
Sample : 67514-2
Misc : SOIL,ARO
ALS Vial : 54 Sample Multiplier: 1

Q

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:47 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

581570

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.097	17696748	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.551	14485649	17.982 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	89.91% 90
10) S 2-Bromonaphthalene	6.079	11710513	16.573 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	82.86% 83
11) S o-terphenyl	7.603	18947936	17.231 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	86.16% 84
Target Compounds			
2) TZ Naphthalene	4.678	130011	<MDL ug/ml
3) TZ 2-Methylnaphthalene	5.245	76844	<MDL ug/ml
4) TZ Acenaphthylene	5.965	28100	<MDL ug/ml
5) TZ Acenaphthene	6.079f	11710513	12.668 ug/ml
6) TZ Fluorene	6.525	24303	1.192 ug/ml
7) TZ Phenanthrene	7.300	72151	<MDL ug/ml
8) TZ Anthracene	7.344	13588	<MDL ug/ml
12) TZ Fluoranthene	8.263	74982	<MDL ug/ml
13) TZ Pyrene	8.467	25536	<MDL ug/ml
14) TZ Benzo[a]anthracene	9.784	367647	<MDL ug/ml
15) TZ Chrysene	9.841	36078	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.306	355988	<MDL ug/ml
17) TZ Benzo[k] fluoranthene	11.388	82875	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.803	42355	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.619	9379	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.679	112602	1.245 ug/ml
21) TZ Benzo(g,h,i) perylene	14.012	24833	<MDL ug/ml
22) XH c11-c22	12.565	32994481	~~38.182 ug/ml~~

(f)=RT Delta > 1/2 Window (m)=manual int.

16920 VMT 8/18/10

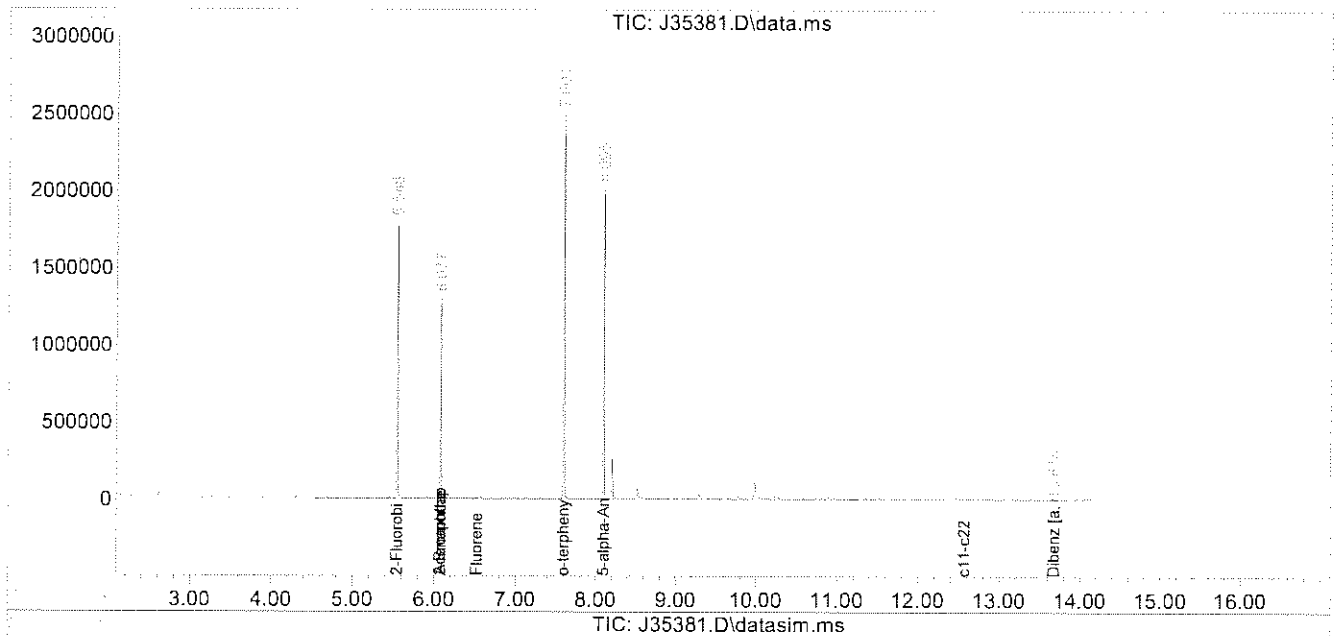
Quantitation Report (Not Reviewed)

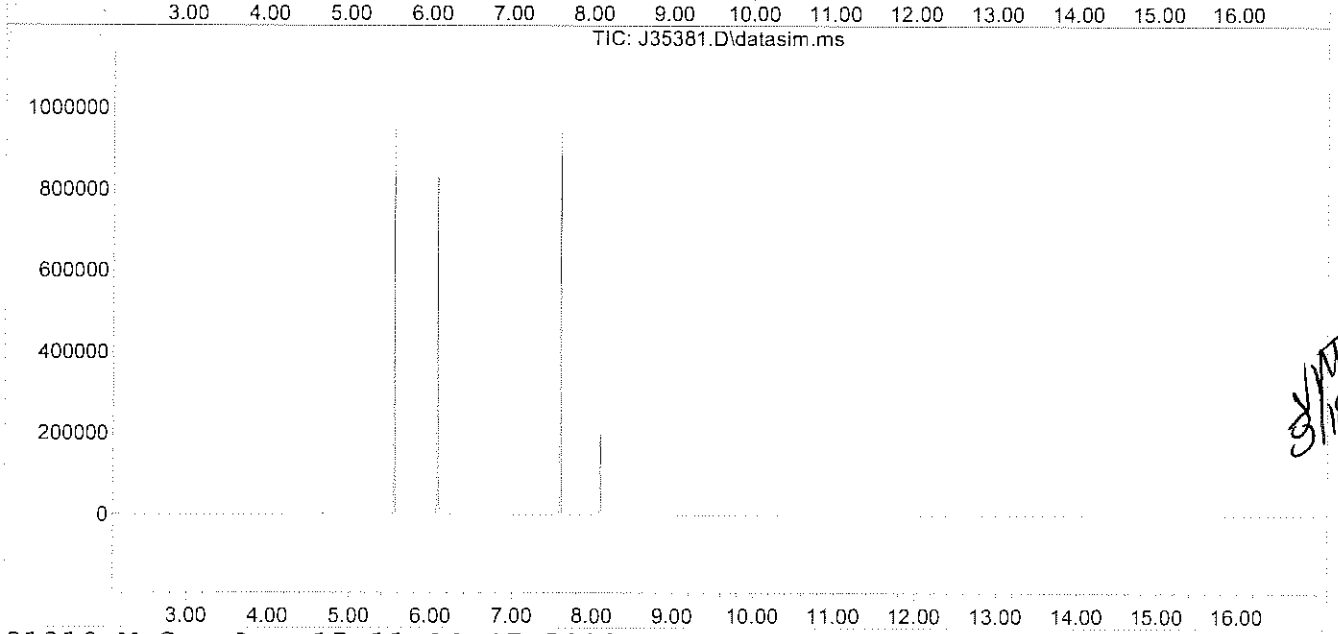
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35381.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 15 Aug 2010 3:14 am
Operator : MG/ALR
Sample : 67514-2
Misc : SOIL,ARO
ALS Vial : 54 Sample Multiplier: 1

381610

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:47 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/18/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71841.D
Acq On : 14 Aug 2010 1:11 pm
Sample : 67514-2
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 14 14:58 2010 Quant Results File: ALG80410.RES

Vial: 44
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

08.1610

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.93	6688813	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.02	5417763	13.199 ug/ml
Spiked Amount 20.000	Range 40 - 140	Recovery =	66.00%
Target Compounds			
2) TZM C-9	4.15	204953	<MDL ug/ml
3) TZM C-10	5.13	102301	<MDL ug/ml
4) TZM C-12	6.60	54404	<MDL ug/ml
5) TZM C-14	7.78	36919	<MDL ug/ml
6) TZM C-16	8.80	30411	<MDL ug/ml
7) TZM C-18	9.73	72635	<MDL ug/ml
8) XH C9-C18	7.53	5175579	11.653 ug/ml
9) TZM C-19	10.14	17644	<MDL ug/ml
10) TZM C-20	10.58	59224	<MDL ug/ml
12) TZM C-22	11.59	93290	<MDL ug/ml
13) TZM C-24	12.94	17809	<MDL ug/ml
14) TZM C-26	14.45	6144	<MDL ug/ml
15) TZM C-28	15.99	12605	<MDL ug/ml
16) TZM C-30	17.45	25257	<MDL ug/ml
17) TZM C-36	21.50	53545	4.263 ug/ml
18) XH C19-C36	12.05	8370015	22.713 ug/ml

6.006/16.881

VMT 8/18/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

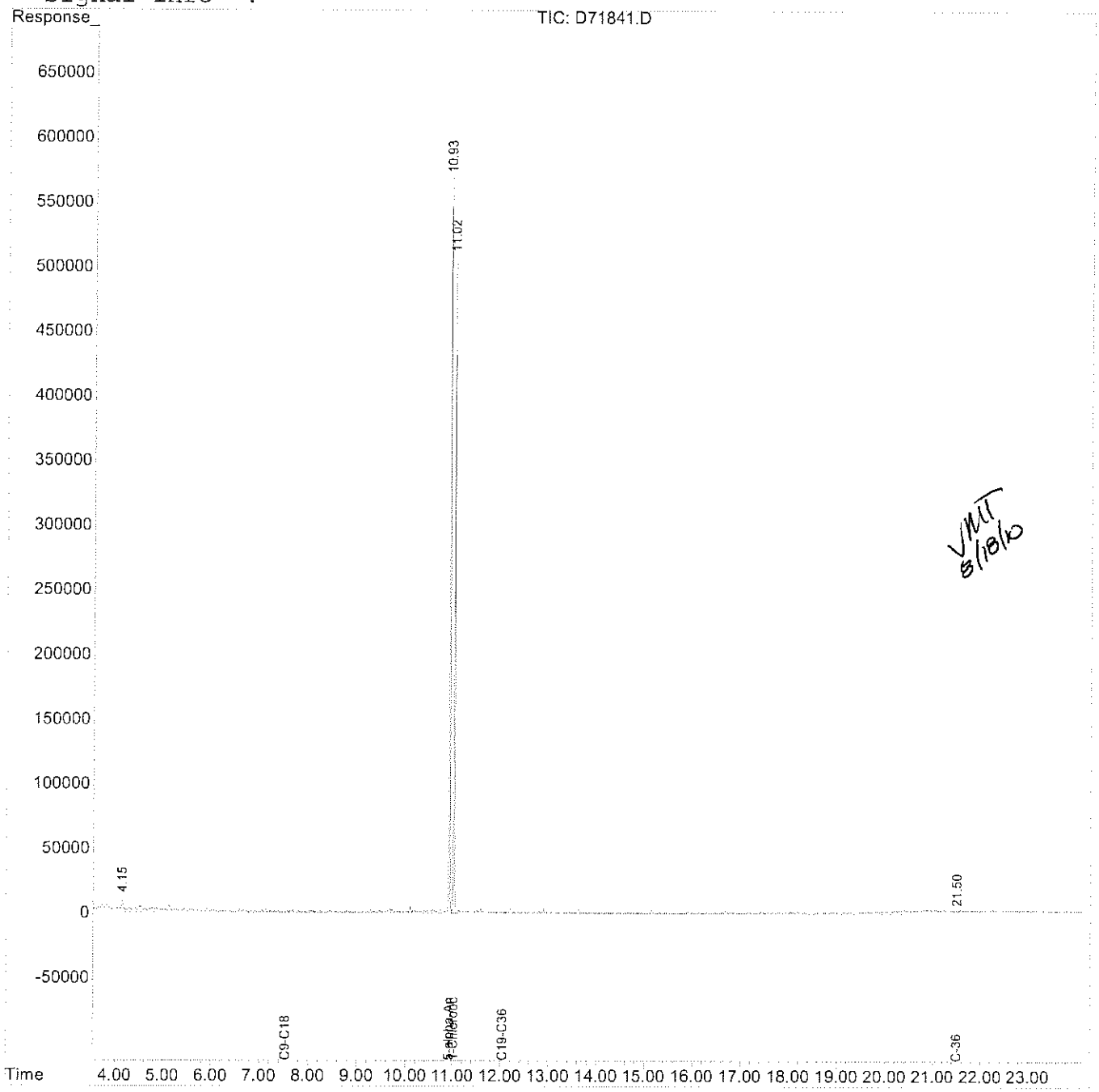
Data File : D:\HPCHEM\1\DATA\081310-D\D71841.D
Acq On : 14 Aug 2010 1:11 pm
Sample : 67514-2
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 14 14:58 2010 Quant Results File: ALG80410.RES

Vial: 44
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

58-1610



VMT 8/18/10

EPH
QC FORMS

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:

SAMPLE ID	SMC 1 (%)	#
B081310EASE	65	
L081310EASE	66	
LD081310EASE	63	
67514-1	62	
67514-2	66	
67514-2,MS	70	
67514-2,MSD	71	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B081310EASE	82		73		84	
L081310EASE	77		70		86	
LD081310EASE	82		73		83	
67514-1	88		78		71	
67514-2	93		83		90	
67514-2,MS	89		70		83	
67514-2,MSD	81		70		83	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

38440

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B081310EASE
Spike: L081310EASE
Spike duplicate: LD081310EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3333	3333	30	140	25	0	2116	63		2064	62		2	
C-10	3333	3333	40	140	25	0	2459	74		2410	72		2	
C-12	3333	3333	40	140	25	0	2624	79		2591	78		1	
C-14	3333	3333	40	140	25	0	2719	82		2686	81		1	
C-16	3333	3333	40	140	25	0	2828	85		2841	85		0	
C-18	3333	3333	40	140	25	0	2897	87		2801	84		3	
C-19	3333	3333	40	140	25	0	2907	87		2964	89		2	
C-20	3333	3333	40	140	25	0	2951	89		2941	88		0	
C-22	3333	3333	40	140	25	0	2798	84		2836	85		1	
C-24	3333	3333	40	140	25	0	2719	82		2682	80		1	
C-26	3333	3333	40	140	25	0	2616	78		2565	77		2	
C-28	3333	3333	40	140	25	0	2364	71		2343	70		1	
C-30	3333	3333	40	140	25	0	2252	68		2157	65		4	
C-36	3333	3333	40	140	25	0	1596	48		1534	46		4	
C9-C18 Aliphatics	20000	20000	40	140	25	0	15644	78		15393	77		2	
C19-C36 Aliphatics	26667	26667	40	140	25	0	20203	76		20023	75		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VMT
8/17/10

EPH ALI FORM 3

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71833Q.D
Acq On : 14 Aug 2010 9:11 am
Sample : L081310EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 14 14:58 2010 Quant Results File: ALG80410.RES

Vial: 36
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

581410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.93	5787540 ✓	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.02	4664644	13.134 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	65.67% 66
Target Compounds			
2) TZM C-9	4.14	5704087	15.872 ug/ml
3) TZM C-10	5.11	6778188	18.443 ug/ml
4) TZM C-12	6.59	7767854	19.681 ug/ml
5) TZM C-14	7.77	8256119	20.396 ug/ml
6) TZM C-16	8.79	8286176	21.206 ug/ml
7) TZM C-18	9.71	8445360	21.730 ug/ml
8) XH C9-C18	7.53	53423547	139.017 ug/ml
9) TZM C-19	10.14	8381211	21.801 ug/ml
10) TZM C-20	10.57	8339789	22.135 ug/ml
12) TZM C-22	11.59	7831607	20.983 ug/ml
13) TZM C-24	12.90	7306462	20.395 ug/ml
14) TZM C-26	14.39	6511355	19.623 ug/ml
15) TZM C-28	15.93	5161525	17.727 ug/ml
16) TZM C-30	17.44	4428302	16.893 ug/ml
17) TZM C-36	21.50	1720307	11.968 ug/ml
18) XH C19-C36	12.05	56232999	176.358 ug/ml

VMT 8/17/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

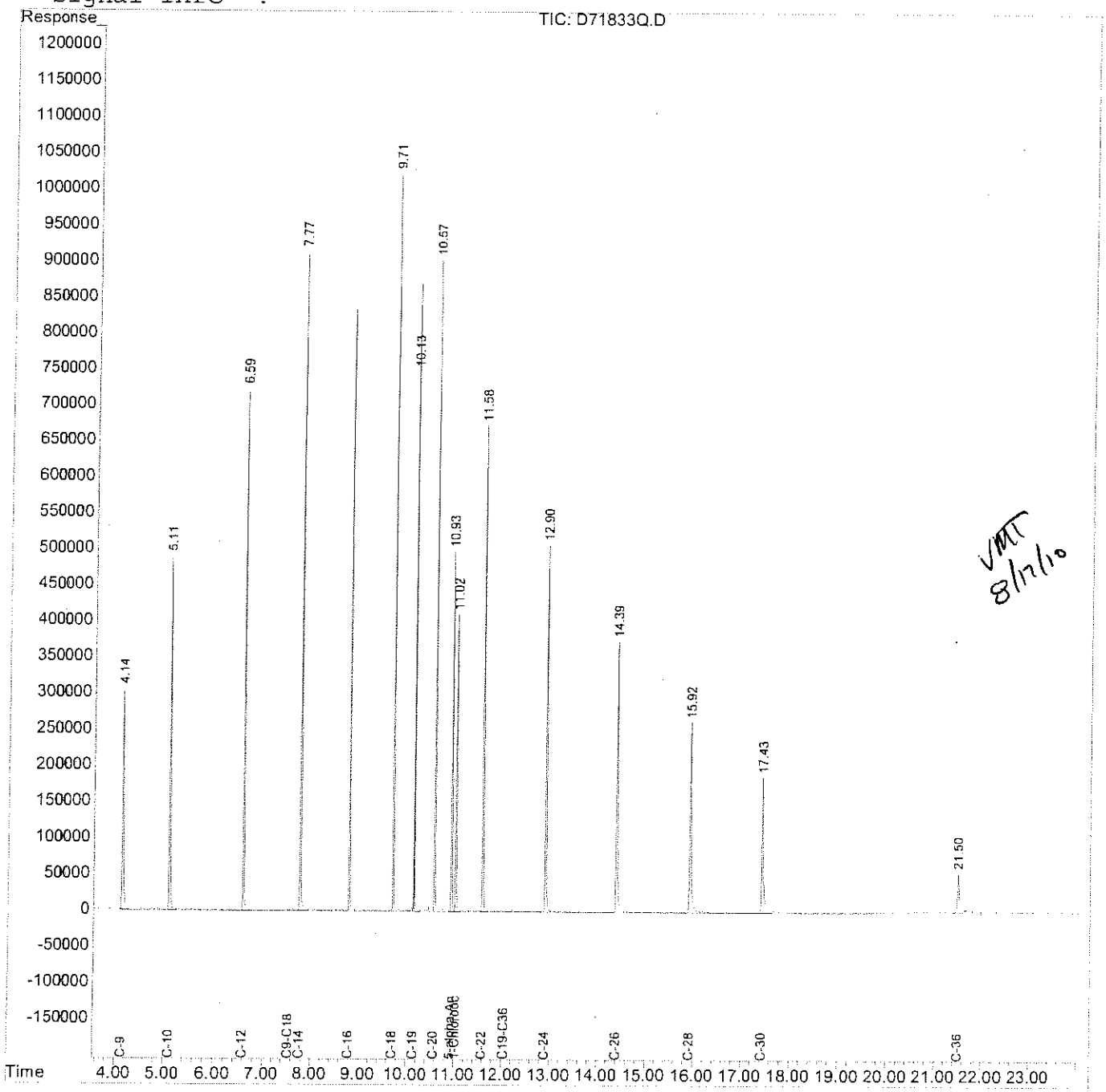
Data File : D:\HPCHEM\1\DATA\081310-D\D71833Q.D
Acq On : 14 Aug 2010 9:11 am
Sample : L081310EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 14 14:58 2010 Quant Results File: ALG80410.RES

Vial: 36
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

081410



VMT 8/17/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71834Q.D
Acq On : 14 Aug 2010 9:41 am
Sample : LD081310EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 14 14:58 2010 Quant Results File: ALG80410.RES

Vial: 37
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

381410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.93	6066415	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.02	4668745	12.541 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	62.70% 63
Target Compounds			
2) TZM C-9	4.14	5831485	15.481 ug/ml
3) TZM C-10	5.11	6962391	18.073 ug/ml
4) TZM C-12	6.59	8040059	19.434 ug/ml
5) TZM C-14	7.77	8548523	20.148 ug/ml
6) TZM C-16	8.79	8725949	21.305 ug/ml
7) TZM C-18	9.71	8558476	21.009 ug/ml
8) XH C9-C18	7.53	51696430	128.339 ug/ml
9) TZM C-19	10.14	8957784	22.230 ug/ml
10) TZM C-20	10.57	8711137	22.058 ug/ml
12) TZM C-22	11.59	8322289	21.272 ug/ml
13) TZM C-24	12.90	7553856	20.116 ug/ml
14) TZM C-26	14.39	6691323	19.239 ug/ml
15) TZM C-28	15.93	5363769	17.575 ug/ml
16) TZM C-30	17.43	4445684	16.179 ug/ml
17) TZM C-36	21.50	1695626	11.503 ug/ml
18) XH C19-C36	12.05	57952387	173.395 ug/ml

VMT 8/17/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

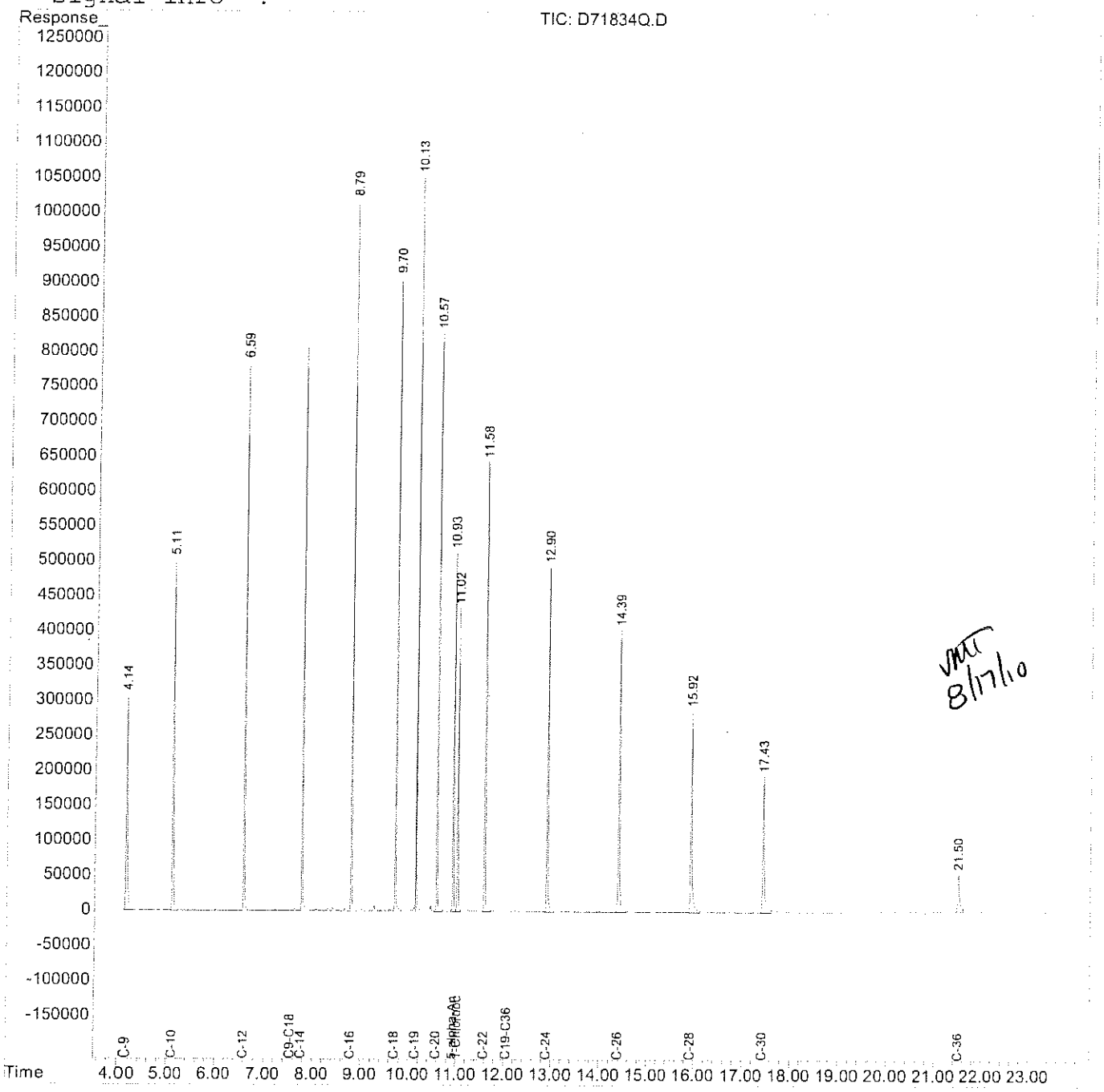
Data File : D:\HPCHEM\1\DATA\081310-D\D71834Q.D
Acq On : 14 Aug 2010 9:41 am
Sample : LD081310EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 14 14:58 2010 Quant Results File: ALG80410.RES

Vial: 37
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

081410

Volume Inj. :
Signal Phase :
Signal Info :



VMT 8/17/10

EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

J81510

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B081310EASE
Spike: L081310EASE
Spike duplicate: LD081310EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3333	3333	40	140	30	0	2108	63		2341	70		11	
2-Methylnaphthalene	3333	3333	40	140	30	0	2257	68		2438	73		8	
Acenaphthylene	3333	3333	40	140	30	0	2440	73		2575	77		5	
Acenaphthene	3333	3333	40	140	30	0	2168	65		2300	69		6	
Fluorene	3333	3333	40	140	30	0	2378	71		2425	73		2	
Phenanthrene	3333	3333	40	140	30	0	2845	85		2822	85		1	
Anthracene	3333	3333	40	140	30	0	2932	88		2930	88		0	
Fluoranthene	3333	3333	40	140	30	0	3062	92		2952	89		4	
Pyrene	3333	3333	40	140	30	0	3034	91		2959	89		2	
Benzo[a]anthracene	3333	3333	40	140	30	0	3078	92		2955	89		4	
Chrysene	3333	3333	40	140	30	0	3163	95		2992	90		6	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	3101	93		2884	87		7	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	3248	97		3050	92		6	
Benzo[a] pyrene	3333	3333	40	140	30	0	3172	95		2960	89		7	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	3025	91		2804	84		8	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	3039	91		2796	84		8	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	3167	95		2882	86		9	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VMT 8/17/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35371Q.D
Acq On : 14 Aug 2010 11:27 pm
Operator : MG/ALR
Sample : L081310EASE
Misc : SOIL,ARO
ALS Vial : 44 Sample Multiplier: 1

J81510

Quant Time: Aug 15 09:46:56 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	77971	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.546	172	397673	15.41 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	77.05%	77
10) 2-Bromonaphthalene	6.080	206	178854	13.91 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	69.55%	70
11) o-terphenyl	7.601	230	386943	17.17 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	85.85%	86

Target Compounds					Qvalue
2) Naphthalene	4.680	128	485915	15.81 ug/ml	100
3) 2-Methylnaphthalene	5.244	141	302284	16.93 ug/ml	98
4) Acenaphthylene	5.967	152	615686	18.30 ug/ml	100
5) Acenaphthene	6.110	154	357034	16.26 ug/ml	99
6) Fluorene	6.525	166	505856	17.84 ug/ml	99
7) Phenanthrene	7.296	178	786580	21.33 ug/ml	99
8) Anthracene	7.338	178	799347	21.99 ug/ml	99
12) Fluoranthene	8.266	202	970103	22.97 ug/ml	99
13) Pyrene	8.467	202	996140	22.75 ug/ml	98
14) Benzo[a]anthracene	9.791	228	904270	23.09 ug/ml	100
15) Chrysene	9.838	228	884927	23.72 ug/ml	100
16) Benzo[b] fluoranthene	11.325	252	817060	23.25 ug/ml	100
17) Benzo[k] fluoranthene	11.373	252	840390	24.36 ug/ml	100
18) Benzo[a] pyrene	11.818	252	804044	23.79 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.596	276	659096	22.69 ug/ml	98
20) Dibenz [a,h] anthracene	13.663	278	646748	22.79 ug/ml	100
21) Benzo(g,h,i) perylene	14.008	276	718580	23.75 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

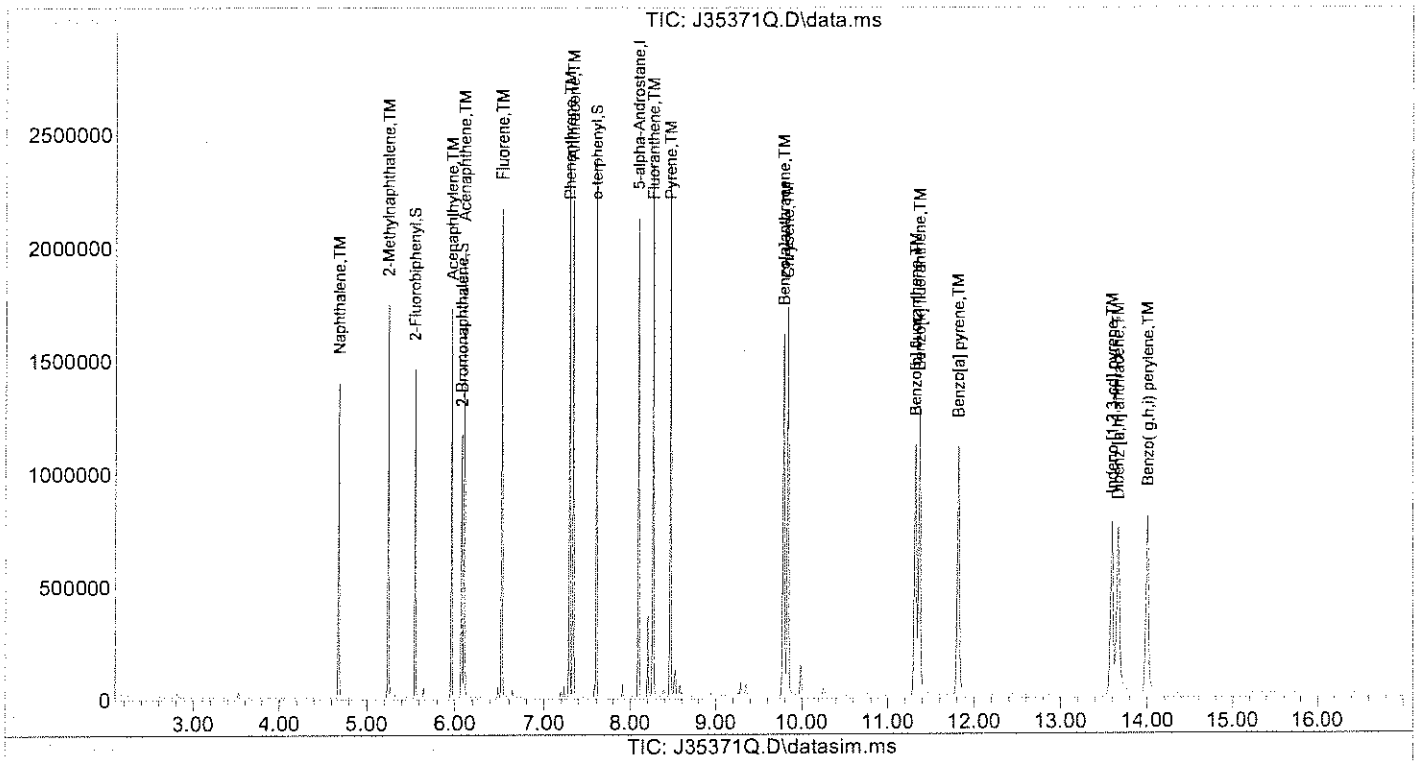
VMT 8/17/10

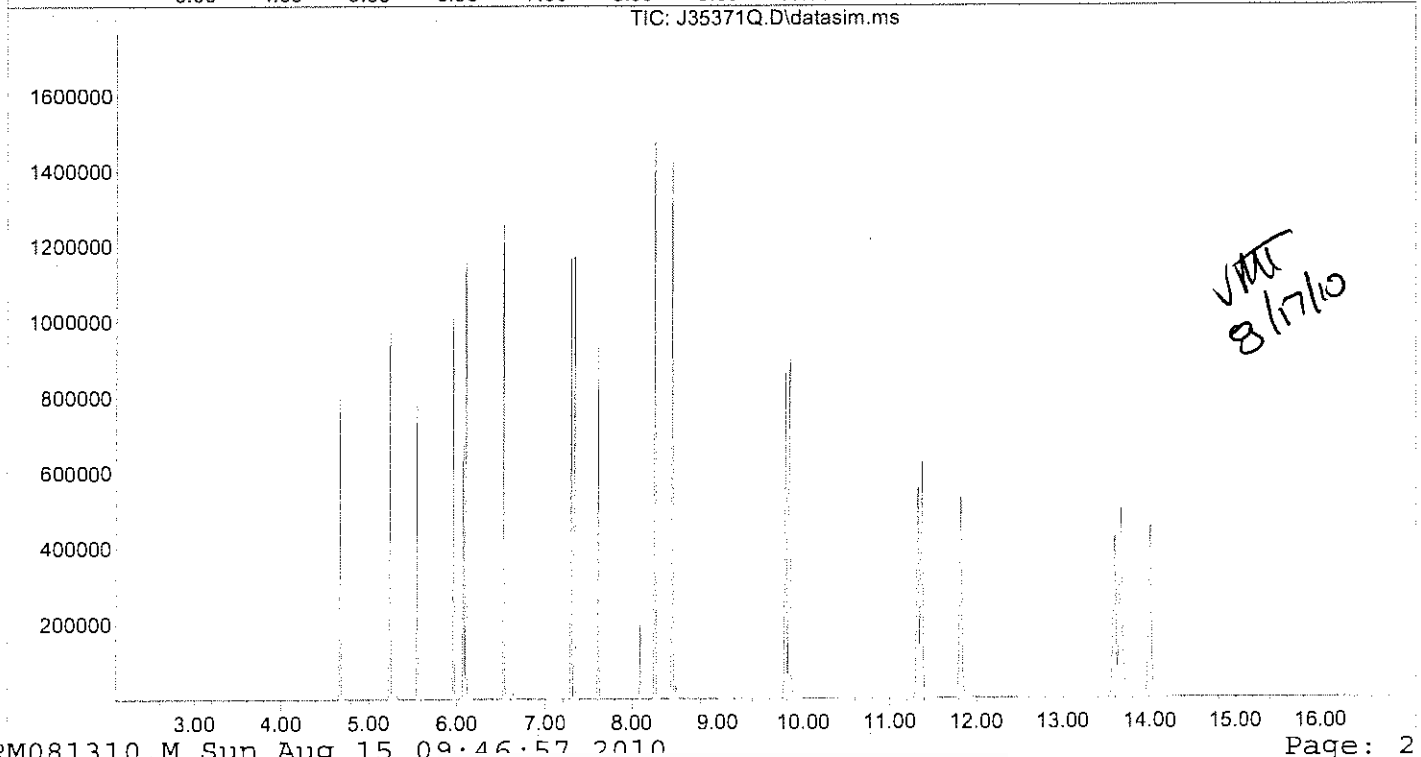
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35371Q.D
Acq On : 14 Aug 2010 11:27 pm
Operator : MG/ALR
Sample : L081310EASE
Misc : SOIL,ARO
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Aug 15 09:46:56 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

J 81510





VMT 8/17/10

Quantitation Report (Not Reviewed)

Q

581570

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35372Q.D
Acq On : 14 Aug 2010 11:50 pm
Operator : MG/ALR
Sample : LD081310EASE
Misc : SOIL,ARO
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Aug 15 09:46:58 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	84386	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.546	172	457449	16.38 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 81.90%		
10) 2-Bromonaphthalene	6.080	206	203458	14.67 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 73.35%		
11) o-terphenyl	7.601	230	405193	16.61 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 83.05%		

Target Compounds					Qvalue
2) Naphthalene	4.680	128	584192	17.56 ug/ml	99
3) 2-Methylnaphthalene	5.244	141	353292	18.28 ug/ml	96
4) Acenaphthylene	5.968	152	703240	19.31 ug/ml	99
5) Acenaphthene	6.110	154	409692	17.25 ug/ml	99
6) Fluorene	6.525	166	557980	18.19 ug/ml	99
7) Phenanthrene	7.296	178	844639	21.17 ug/ml	100
8) Anthracene	7.339	178	864710	21.98 ug/ml	99
12) Fluoranthene	8.266	202	1012207	22.14 ug/ml	98
13) Pyrene	8.467	202	1051586	22.19 ug/ml	98
14) Benzo[a]anthracene	9.791	228	939356	22.16 ug/ml	100
15) Chrysene	9.838	228	905946	22.44 ug/ml	99
16) Benzo[b] fluoranthene	11.326	252	822626	21.63 ug/ml	100
17) Benzo[k] fluoranthene	11.374	252	854264	22.88 ug/ml	99
18) Benzo[a] pyrene	11.818	252	811932	22.20 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.596	276	661116	21.03 ug/ml	99
20) Dibenz [a,h] anthracene	13.668	278	644077	20.97 ug/ml	100
21) Benzo(g,h,i) perylene	14.009	276	707690	21.61 ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

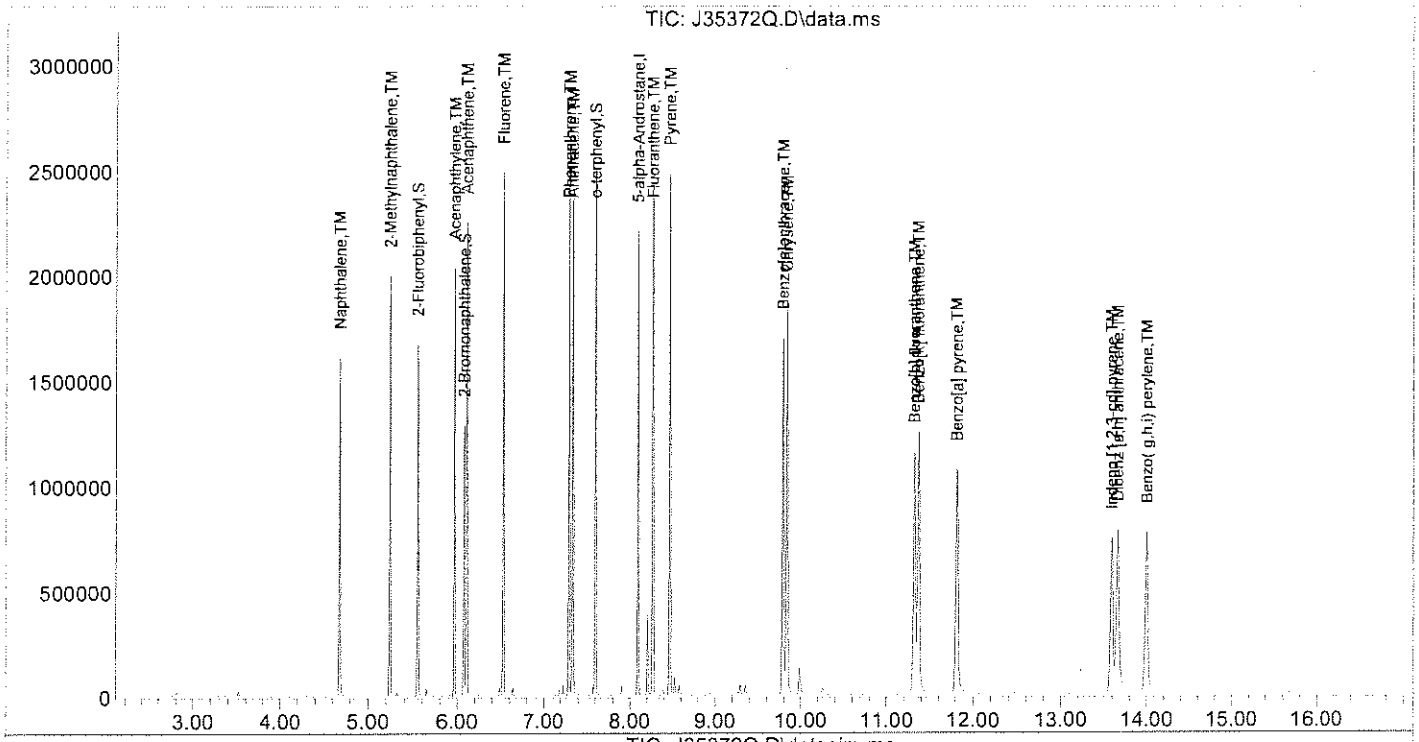
VMT 8/17/10

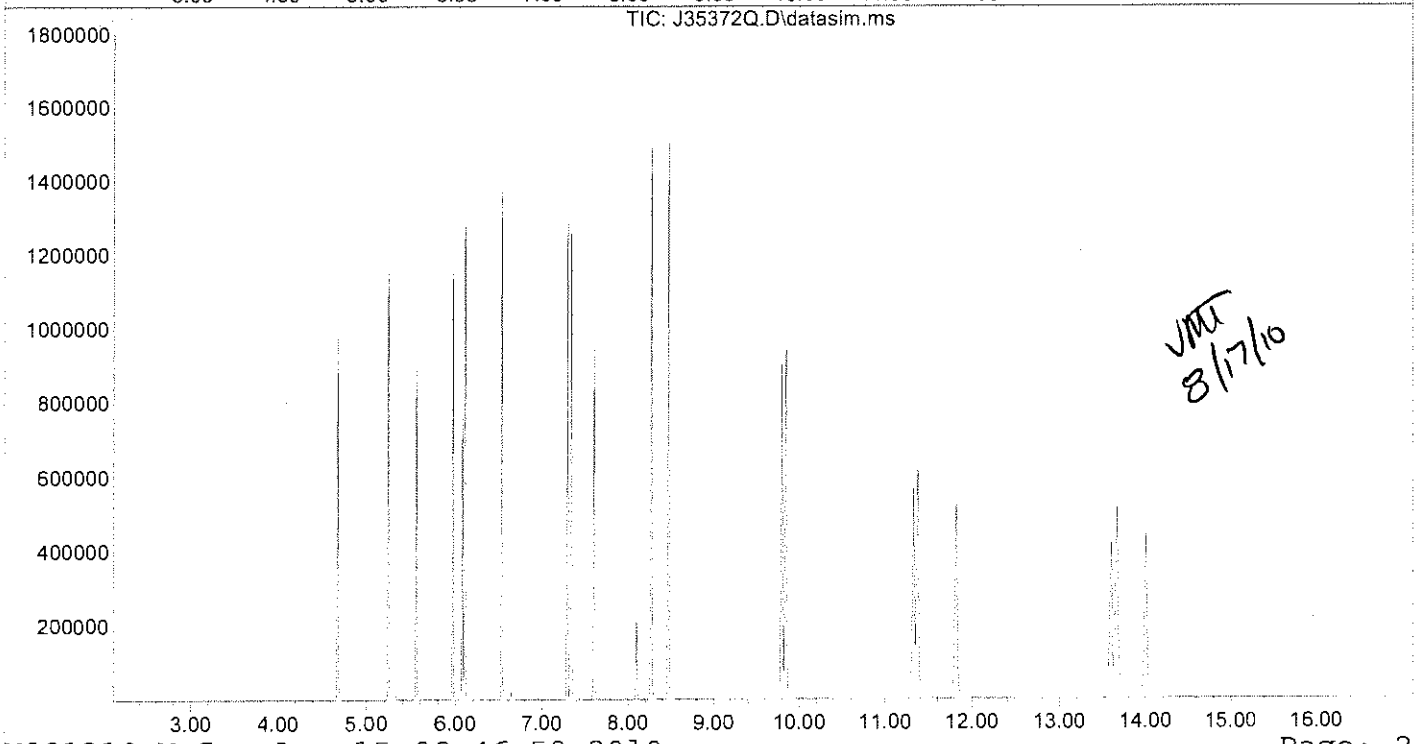
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35372Q.D
Acq On : 14 Aug 2010 11:50 pm
Operator : MG/ALR
Sample : LD081310EASE
Misc : SOIL,ARO
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Aug 15 09:46:58 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

D8/5/10





VMT 8/17/10

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

581570

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: L081310EASE
Aromatic LCS: L081310EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	15.8	0.0	
2-Methylnaphthalene	0	5	0.00	16.9	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VMT
8/12/10

Quantitation Report (Not Reviewed)

Q

J81570

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35373Q.D
Acq On : 15 Aug 2010 12:12 am
Operator : MG/ALR
Sample : L081310EASE
Misc : SOIL,ALI
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Aug 15 09:47:00 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	90872	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	2540	0.08 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.40%#	
10) 2-Bromonaphthalene	6.080	206	3113	0.92 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 4.60%#	
11) o-terphenyl	7.596	230	2817	0.11 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.55%#	
Target Compounds					Qvalue
5) Acenaphthene	6.104	154	2499	1.33 ug/ml	100
6) Fluorene	6.525	166	3717	1.46 ug/ml#	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

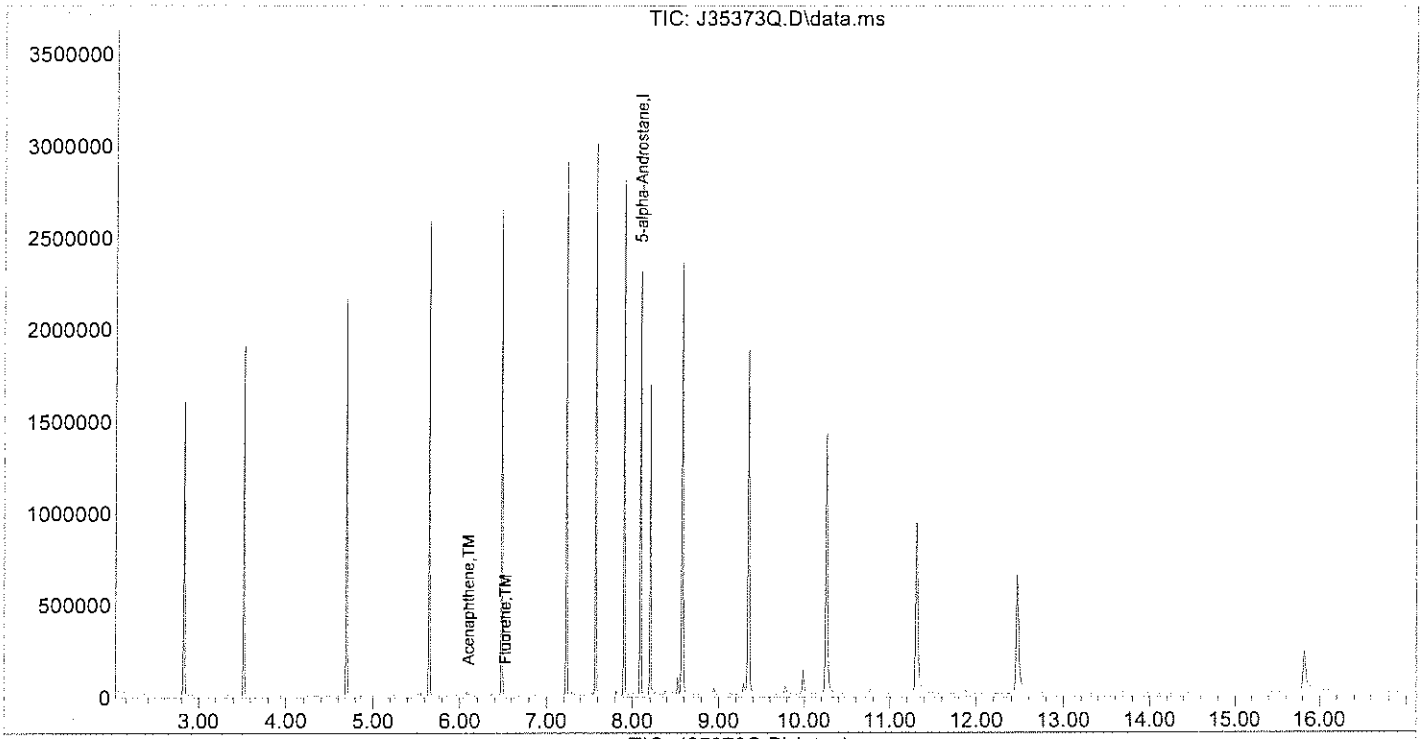
vmt 8/17/10

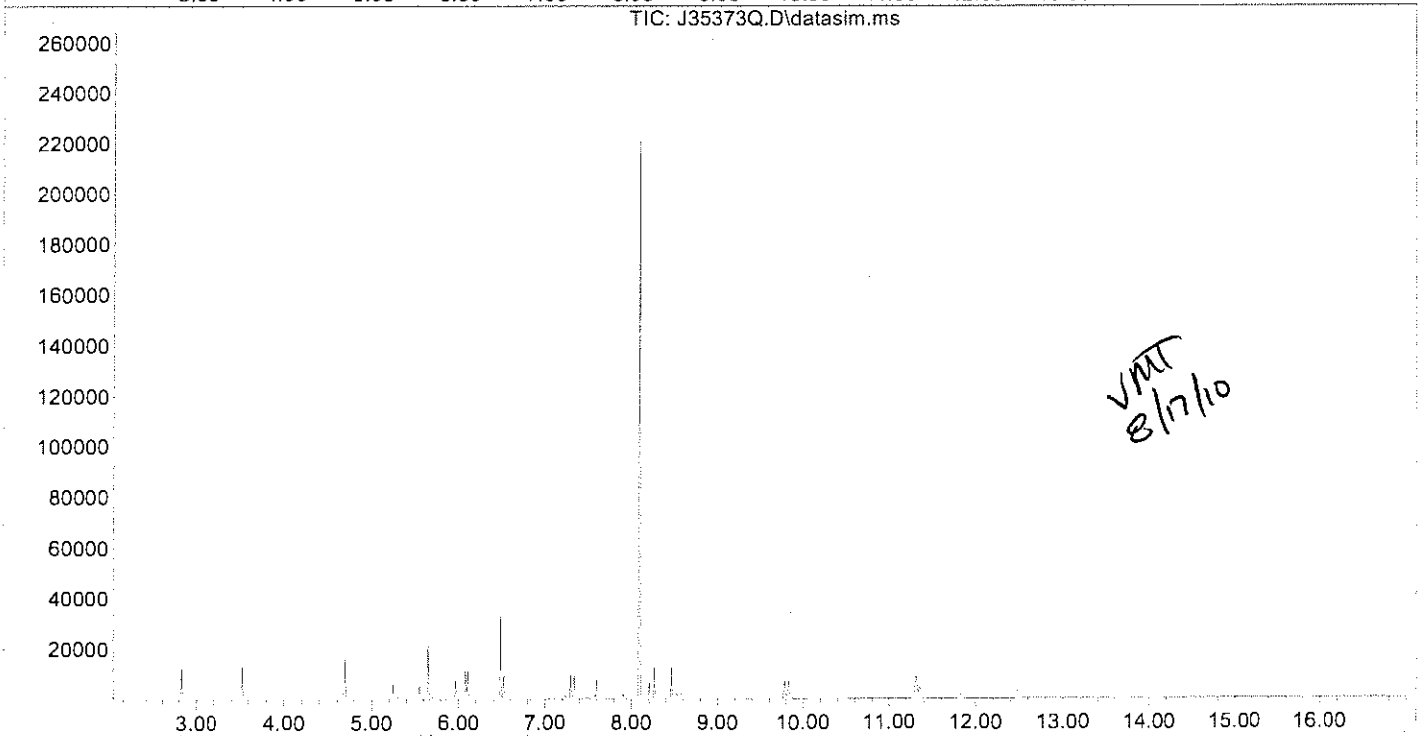
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35373Q.D
Acq On : 15 Aug 2010 12:12 am
Operator : MG/ALR
Sample : L081310EASE
Misc : SOIL,ALI
ALS Vial : 46 Sample Multiplier: 1

58290

Quant Time: Aug 15 09:47:00 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration





VMT 8/17/10

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

J81510

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: LD081310EASE
Aromatic LCS: LD081310EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	17.6	0.0	
2-Methylnaphthalene	0	5	0.00	18.3	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

JMT
8/17/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35374Q.D
Acq On : 15 Aug 2010 12:35 am
Operator : MG/ALR
Sample : LD081310EASE
Misc : SOIL,ALI
ALS Vial : 47 Sample Multiplier: 1

Q

581520

Quant Time: Aug 15 09:47:02 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.093	95	94753	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.553	172	33	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
10) 2-Bromonaphthalene	6.075	206	9202	1.24 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 6.20%#	
11) o-terphenyl	7.596	230	77	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
Target Compounds					Qvalue
5) Acenaphthene	6.104	154	110	1.25 ug/ml#	37
6) Fluorene	6.531	166	99	1.36 ug/ml#	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

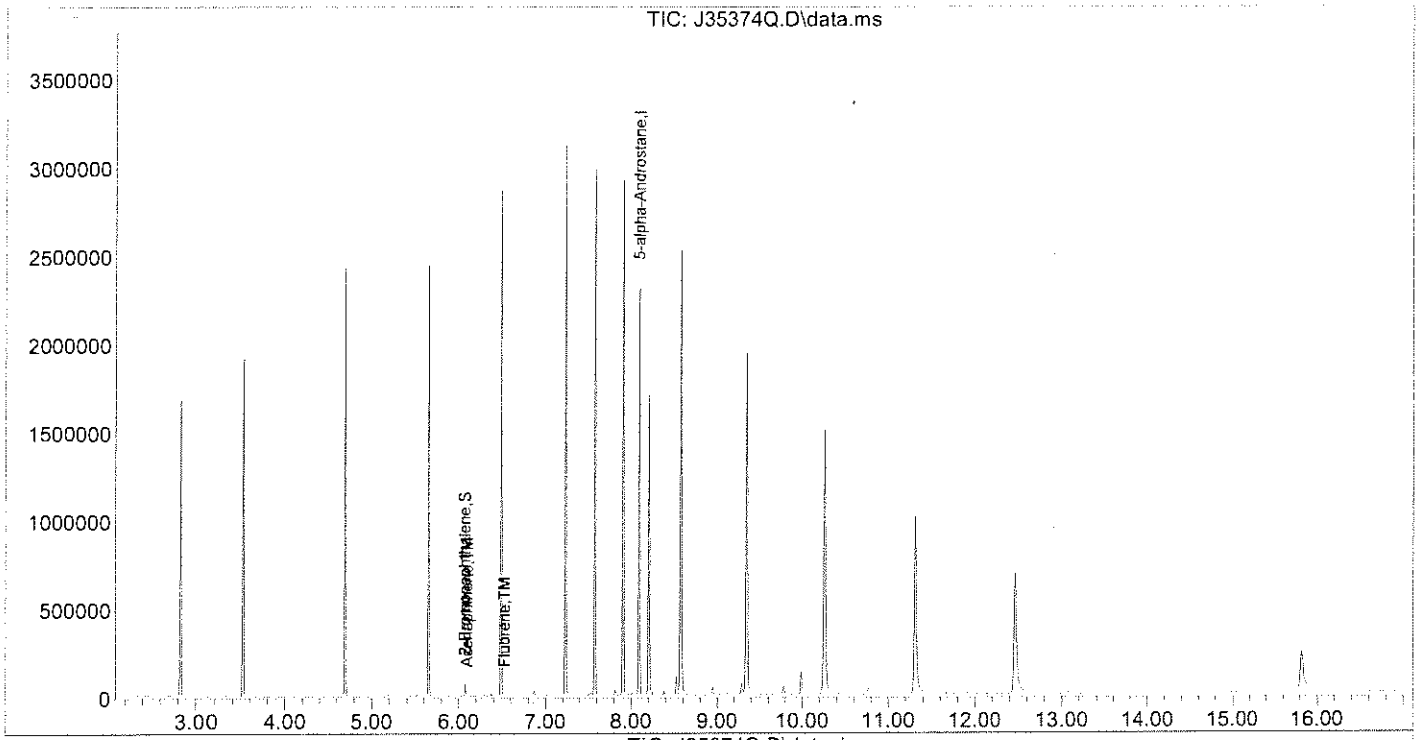
JMT 8/17/10

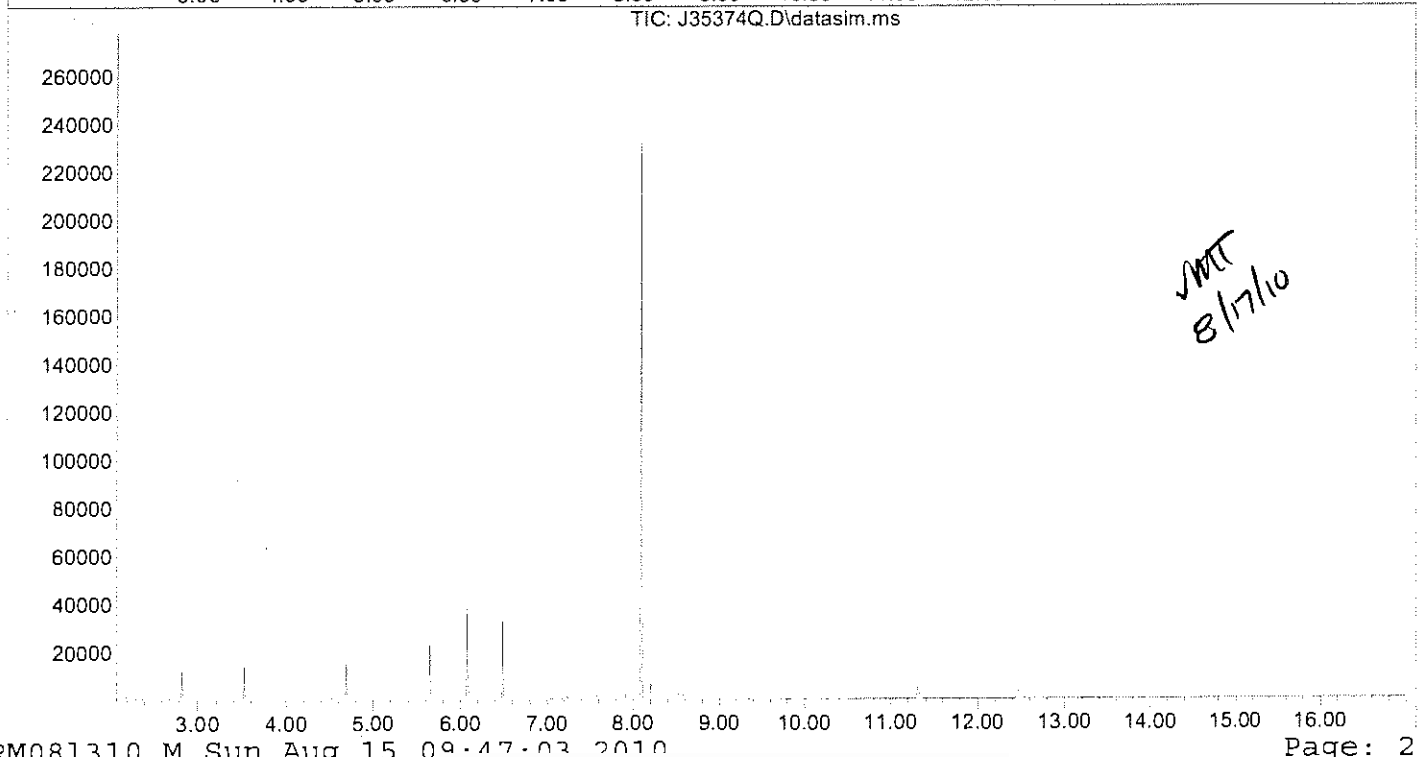
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35374Q.D
Acq On : 15 Aug 2010 12:35 am
Operator : MG/ALR
Sample : LD081310EASE
Misc : SOIL,ALI
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Aug 15 09:47:02 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

S81570





JMT 8/17/10

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67514-2
Spike: 67514-2.MS
Spike duplicate: 67514-2.MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3418	3429	30	140	50	0	2072	61		2054	60		1	
C-10	3418	3429	40	140	50	0	2397	70		2397	70		0	
C-12	3418	3429	40	140	50	0	2545	74		2643	77		4	
C-14	3418	3429	40	140	50	0	2698	79		2800	82		4	
C-16	3418	3429	40	140	50	0	2834	83		2943	86		4	
C-18	3418	3429	40	140	50	0	2872	84		2988	87		4	
C-19	3418	3429	40	140	50	0	2911	85		3007	88		3	
C-20	3418	3429	40	140	50	0	2822	83		2979	87		5	
C-22	3418	3429	40	140	50	0	2824	83		3004	88		6	
C-24	3418	3429	40	140	50	0	2741	80		2813	82		3	
C-26	3418	3429	40	140	50	0	2562	75		2744	80		7	
C-28	3418	3429	40	140	50	0	2358	69		2486	73		5	
C-30	3418	3429	40	140	50	0	2064	60		2218	65		7	
C-36	3418	3429	40	140	50	0	1680	49		1795	52		7	
C9-C18 Aliphatics	20506	20574	40	140	50	0	15418	75		15825	77		3	
C19-C36 Aliphatics	27342	27431	40	140	50	0	19961	73		21046	77		5	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VMT 8/17/10

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

s 8/17/10

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67514-2	SOIL,ALI	2.0	15.15	0.01515	0.9587	1	137.7002
67514-2,MS	SOIL,ALI	2.0	15.26	0.01526	0.9587	1	136.7076
67514-2,MSD	SOIL,ALI	2.0	15.21	0.01521	0.9587	1	137.1570

VMT
8/17/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71842SP.D Vial: 45
Acq On : 14 Aug 2010 1:41 pm Operator: AR/MG
Sample : 67514-2,MS Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 14 14:58 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.93	6344853	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.02	5467745	14.043 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	70.21%
Target Compounds			
2) TZM C-9	4.14	5971857	15.158 ug/ml
3) TZM C-10	5.12	7064637	17.534 ug/ml
4) TZM C-12	6.59	8053701	18.613 ug/ml
5) TZM C-14	7.77	8757839	19.735 ug/ml
6) TZM C-16	8.79	8880834	20.732 ug/ml
7) TZM C-18	9.71	8950713	21.007 ug/ml
8) XH C9-C18	7.53	52366124	124.297 ug/ml
9) TZM C-19	10.14	8974522	21.294 ug/ml
10) TZM C-20	10.58	8527373	20.645 ug/ml
12) TZM C-22	11.59	8453491	20.659 ug/ml
13) TZM C-24	12.90	7873486	20.047 ug/ml
14) TZM C-26	14.39	6816968	18.740 ug/ml
15) TZM C-28	15.93	5504947	17.246 ug/ml
16) TZM C-30	17.44	4337939	15.094 ug/ml
17) TZM C-36	21.50	1963479	12.288 ug/ml
18) XH C19-C36	12.05	58930729	168.585 ug/ml

SMT 8/17/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

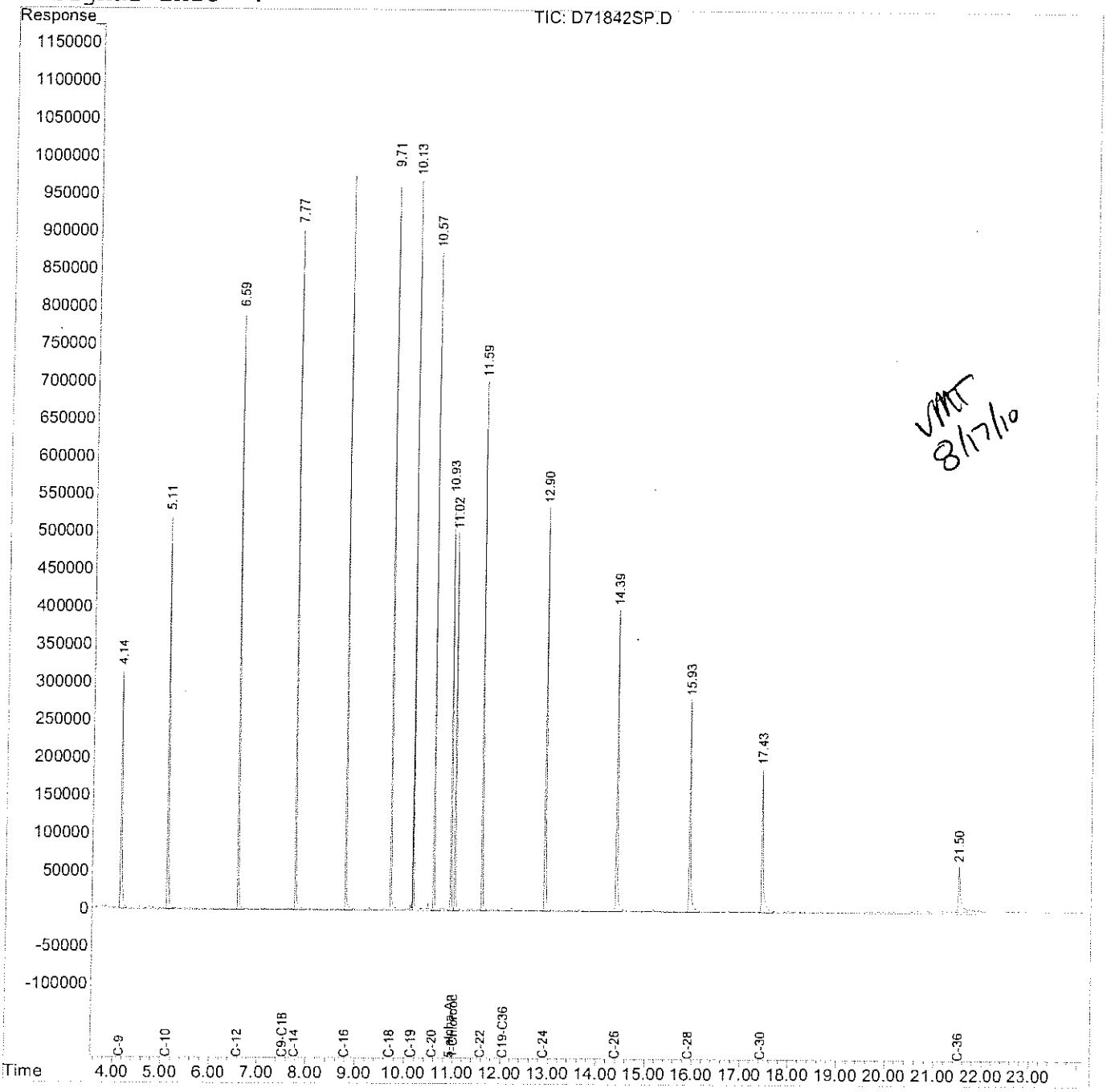
Data File : D:\HPCHEM\1\DATA\081310-D\D71842SP.D
Acq On : 14 Aug 2010 1:41 pm
Sample : 67514-2,MS
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 14 14:58 2010 Quant Results File: ALG80410.RES

Vial: 45
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

56140

Volume Inj. :
Signal Phase :
Signal Info :



VMT 8/17/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71843SP.D
Acq On : 14 Aug 2010 2:11 pm
Sample : 67514-2,MSD
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 14 14:58 2010 Quant Results File: ALG80410.RES

Vial: 46
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

58-1410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.93	6422877	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.02	5559740	14.106 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	70.53%
Target Compounds			
2) TZM C-9	4.14	5971887	14.974 ug/ml
3) TZM C-10	5.12	7127602	17.475 ug/ml
4) TZM C-12	6.59	8441642	19.273 ug/ml
5) TZM C-14	7.77	9172046	20.417 ug/ml
6) TZM C-16	8.79	9303613	21.455 ug/ml
7) TZM C-18	9.71	9394874	21.782 ug/ml
8) XH C9-C18	7.53	58623186	137.458 ug/ml
9) TZM C-19	10.14	9353451	21.924 ug/ml
10) TZM C-20	10.58	9082650	21.723 ug/ml
12) TZM C-22	11.59	9071607	21.901 ug/ml
13) TZM C-24	12.90	8154387	20.510 ug/ml
14) TZM C-26	14.39	7365845	20.003 ug/ml
15) TZM C-28	15.93	5857521	18.127 ug/ml
16) TZM C-30	17.44	4704515	16.171 ug/ml
17) TZM C-36	21.50	2183860	13.085 ug/ml
18) XH C19-C36	12.05	62811839	177.505 ug/ml

VMT 8/17/10

(f)=RT Delta > 1/2 Window (m)=manual int.

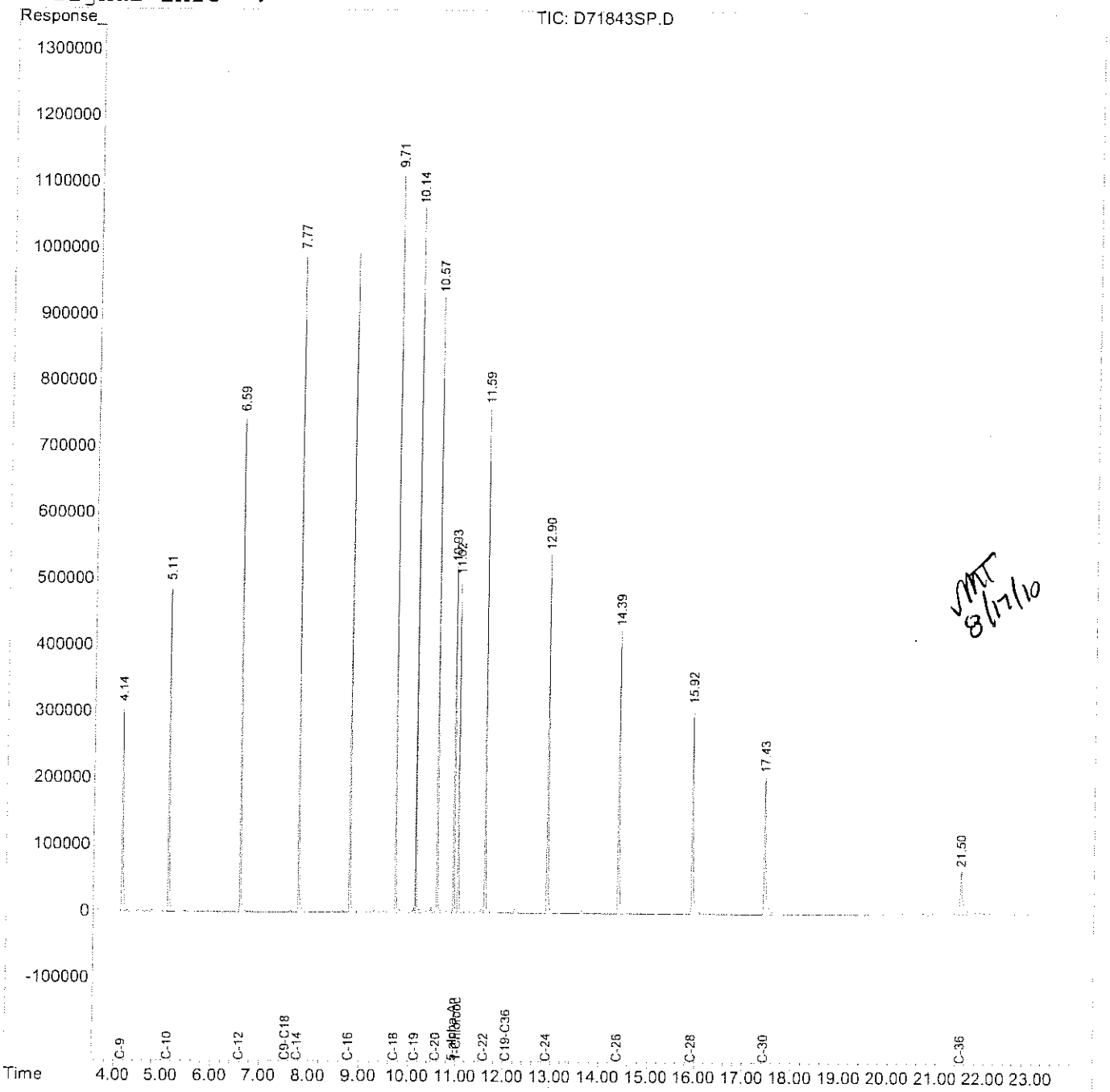
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71843SP.D
Acq On : 14 Aug 2010 2:11 pm
Sample : 67514-2,MSD
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Aug 14 14:58 2010 Quant Results File: ALG80410.RES

Vial: 46
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



D71843SP.D ALG80410.M Sat Aug 14 14:58:52 2010 Page 2

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

08·1610

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67514-2
Spike: 67514-2,MS
Spike duplicate: 67514-2,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3418	3429	40	140	50	0	2717	80		2278	66		18	
2-Methylnaphthalene	3418	3429	40	140	50	0	2714	79		2493	73		8	
Acenaphthylene	3418	3429	40	140	50	0	2299	67		2617	76		13	
Acenaphthene	3418	3429	40	140	50	0	2320	68		2344	68		1	
Fluorene	3418	3429	40	140	50	0	2503	73		2427	71		3	
Phenanthrene	3418	3429	40	140	50	0	2861	84		2905	85		1	
Anthracene	3418	3429	40	140	50	0	2912	85		2946	86		1	
Fluoranthene	3418	3429	40	140	50	0	2967	87		2977	87		0	
Pyrene	3418	3429	40	140	50	0	2946	86		2985	87		1	
Benzo[a]anthracene	3418	3429	40	140	50	0	2956	87		2966	86		0	
Chrysene	3418	3429	40	140	50	0	2909	85		2932	86		1	
Benzo[b] fluoranthene	3418	3429	40	140	50	0	2897	85		2895	84		0	
Benzo[k] fluoranthene	3418	3429	40	140	50	0	3008	88		2970	87		1	
Benzo[a] pyrene	3418	3429	40	140	50	0	2919	85		2865	84		2	
Indeno [1,2,3-cd] pyrene	3418	3429	40	140	50	0	2768	81		2694	79		3	
Dibenz [a,h] anthracene	3418	3429	40	140	50	0	2778	81		2716	79		2	
Benzo(g,h,i) perylene	3418	3429	40	140	50	0	2804	82		2735	80		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VMT
8/17/10

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67514-2	SOIL,ARO	2.0	15.15	0.01515	0.9587	1	137.7002
67514-2,MS	SOIL,ARO	2.0	15.26	0.01526	0.9587	1	136.7076
67514-2,MSD	SOIL,ARO	2.0	15.21	0.01521	0.9587	1	137.1570

082010

VMT
8/17/10

Quantitation Report (Not Reviewed)

Q

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35382SP.D
Acq On : 15 Aug 2010 3:37 am
Operator : MG/ALR
Sample : 67514-2,MS
Misc : SOIL,ARO
ALS Vial : 55 Sample Multiplier: 1

581510

Quant Time: Aug 15 09:47:20 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	79148	20.00 ug/ml	0.00

System Monitoring Compounds

9) 2-Fluorobiphenyl	5.546	172	465212	17.76 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 88.80%		
10) 2-Bromonaphthalene	6.080	206	182935	14.02 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 70.10%		
11) o-terphenyl	7.600	230	379742	16.60 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 83.00%		

Target Compounds

					Qvalue
2) Naphthalene	4.680	128	620209	19.88 ug/ml	100
3) 2-Methylnaphthalene	5.243	141	359871	19.86 ug/ml	97
4) Acenaphthylene	5.967	152	574326	16.82 ug/ml	99
5) Acenaphthene	6.110	154	378105	16.97 ug/ml	99
6) Fluorene	6.525	166	526707	18.31 ug/ml	98
7) Phenanthrene	7.296	178	783293	20.93 ug/ml	100
8) Anthracene	7.338	178	786213	21.30 ug/ml	99
12) Fluoranthene	8.266	202	930749	21.71 ug/ml	99
13) Pyrene	8.467	202	957647	21.55 ug/ml	99
14) Benzo[a]anthracene	9.791	228	859741	21.63 ug/ml	100
15) Chrysene	9.838	228	805844	21.28 ug/ml	100
16) Benzo[b] fluoranthene	11.325	252	755748	21.19 ug/ml	100
17) Benzo[k] fluoranthene	11.370	252	770588	22.00 ug/ml	99
18) Benzo[a] pyrene	11.818	252	732557	21.35 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.596	276	597001	20.24 ug/ml	99
20) Dibenz [a,h] anthracene	13.663	278	585367	20.32 ug/ml	99
21) Benzo(g,h,i) perylene	14.004	276	629998	20.51 ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

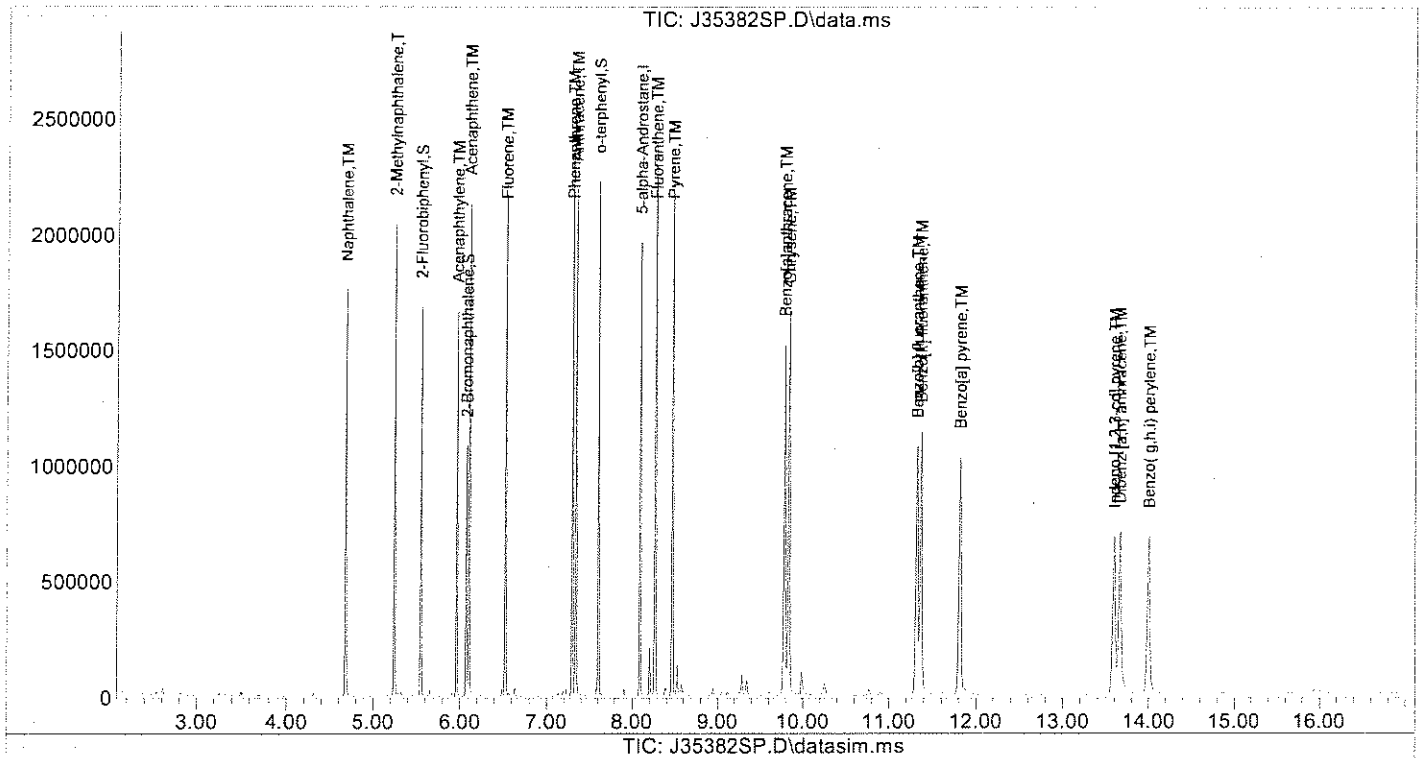
VMT 8/17/10

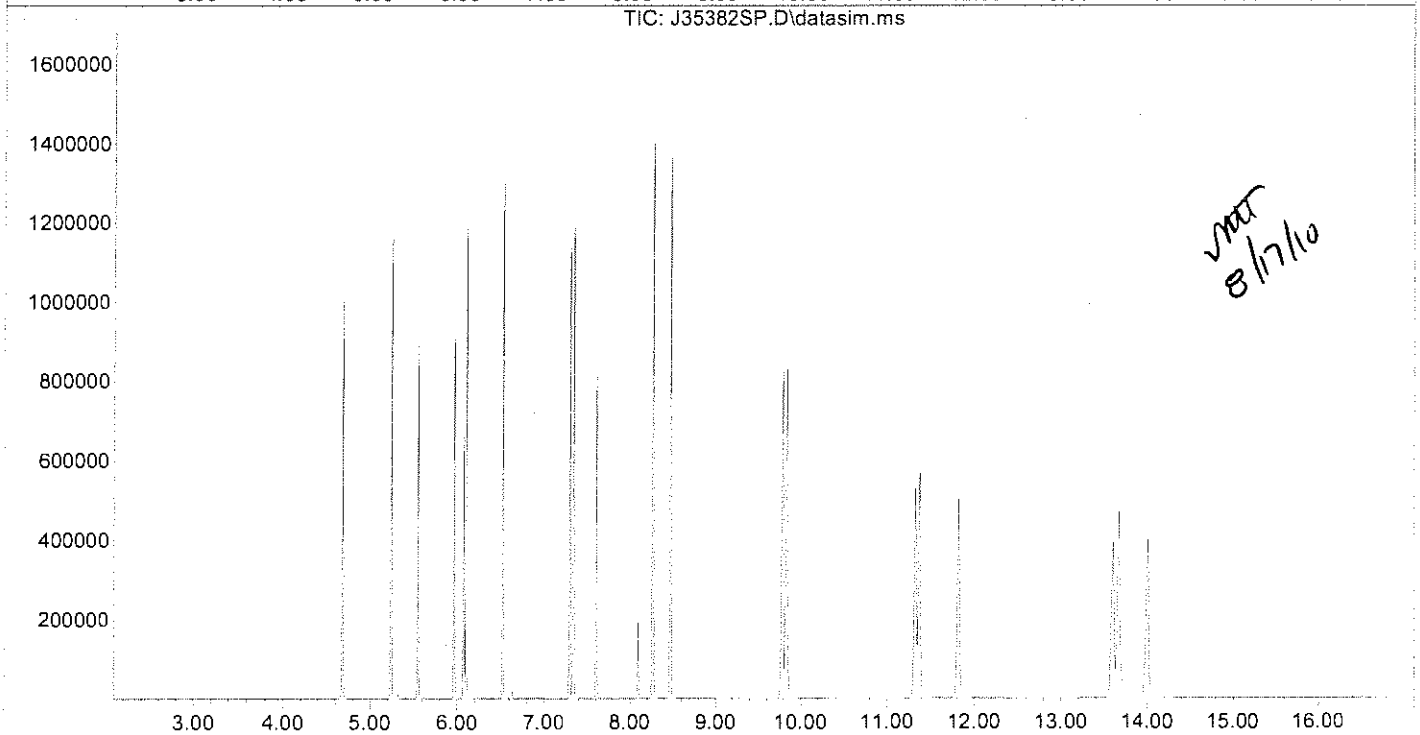
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35382SP.D
Acq On : 15 Aug 2010 3:37 am
Operator : MG/ALR
Sample : 67514-2,MS
Misc : SOIL,ARO
ALS Vial : 55 Sample Multiplier: 1

58120

Quant Time: Aug 15 09:47:20 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration





MAT 8/17/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35383SP.D
Acq On : 15 Aug 2010 4:00 am
Operator : MG/ALR
Sample : 67514-2,MSD
Misc : SOIL,ARO
ALS Vial : 56 Sample Multiplier: 1

Q

Quant Time: Aug 15 09:47:22 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

J61510

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	8.092	95	83609	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	5.546	172	447117	16.15	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 80.75%			
10) 2-Bromonaphthalene	6.080	206	192626	13.97	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 69.85%			
11) o-terphenyl	7.601	230	401693	16.62	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 83.10%			

Target Compounds						Qvalue
2) Naphthalene	4.680	128	547395	16.61	ug/ml	99
3) 2-Methylnaphthalene	5.244	141	348057	18.18	ug/ml	97
4) Acenaphthylene	5.967	152	688527	19.08	ug/ml	100
5) Acenaphthene	6.110	154	402196	17.09	ug/ml	100
6) Fluorene	6.525	166	538271	17.70	ug/ml	98
7) Phenanthrene	7.296	178	837191	21.18	ug/ml	100
8) Anthracene	7.338	178	837217	21.48	ug/ml	99
12) Fluoranthene	8.266	202	983133	21.71	ug/ml	98
13) Pyrene	8.467	202	1021657	21.76	ug/ml	98
14) Benzo[a]anthracene	9.787	228	908090	21.62	ug/ml	100
15) Chrysene	9.835	228	855200	21.38	ug/ml	99
16) Benzo[b] fluoranthene	11.322	252	795247	21.11	ug/ml	100
17) Benzo[k] fluoranthene	11.370	252	801285	21.66	ug/ml	100
18) Benzo[a] pyrene	11.818	252	757123	20.89	ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.596	276	611934	19.64	ug/ml	99
20) Dibenz [a,h] anthracene	13.663	278	602679	19.80	ug/ml	99
21) Benzo(g,h,i) perylene	14.004	276	647017	19.94	ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

VMT 8/17/10

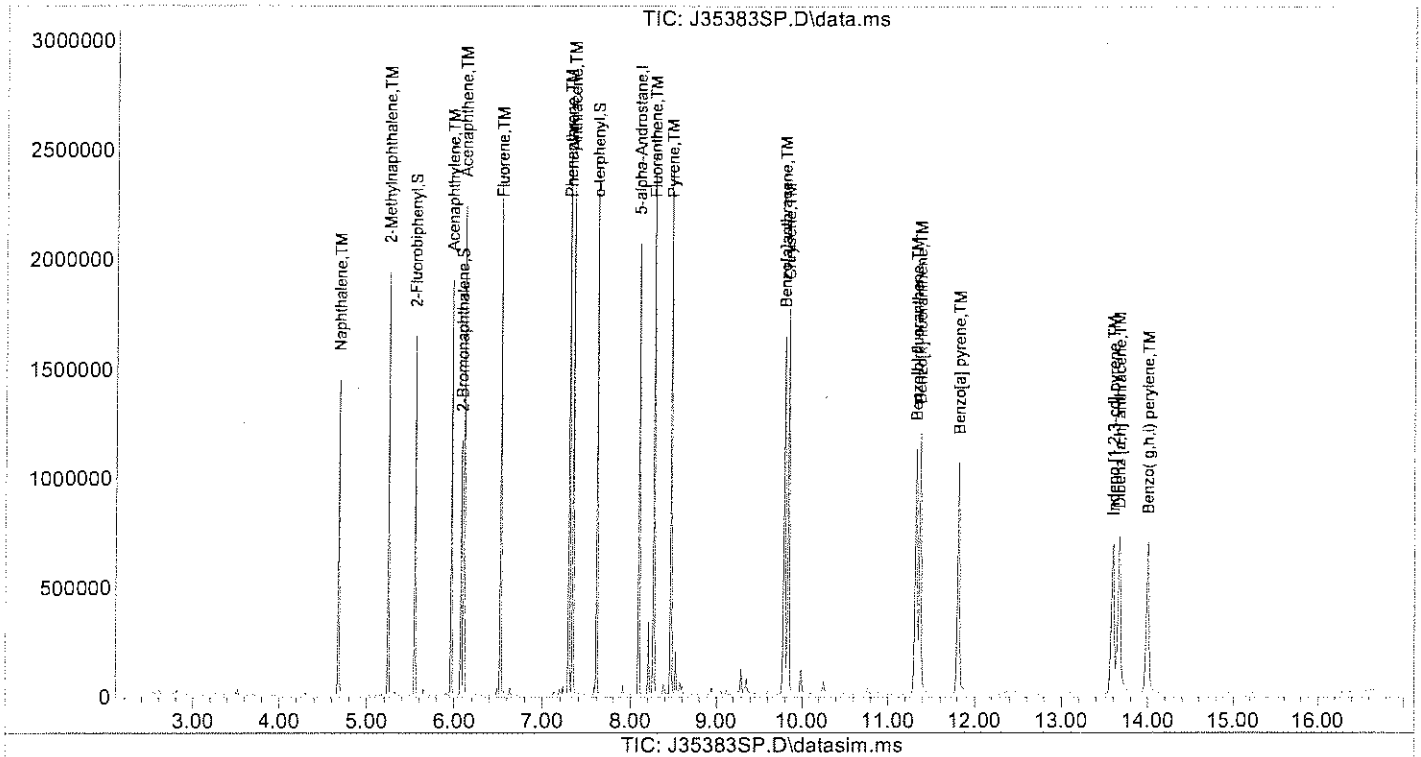
Quantitation Report (Not Reviewed)

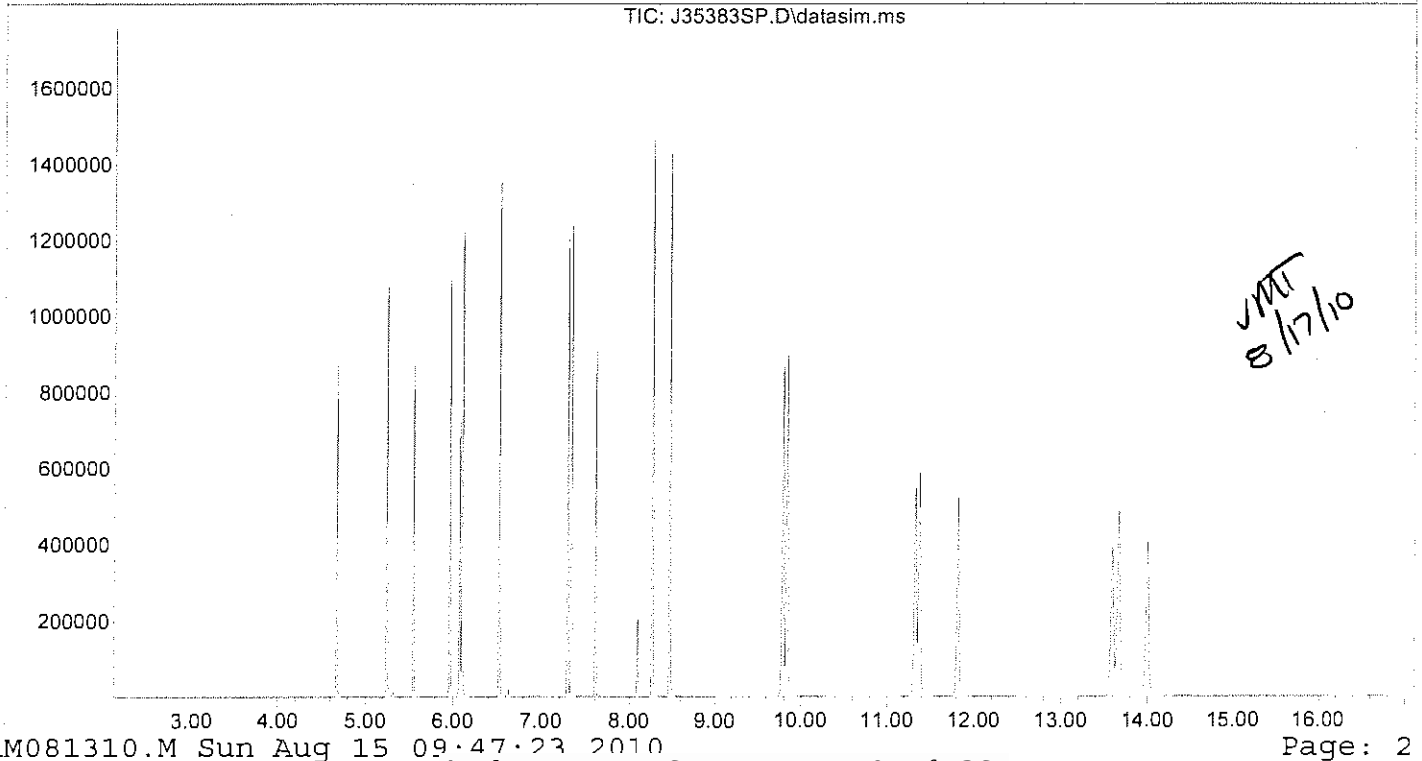
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35383SP.D
Acq On : 15 Aug 2010 4:00 am
Operator : MG/ALR
Sample : 67514-2,MSD
Misc : SOIL,ARO
ALS Vial : 56 Sample Multiplier: 1

Q

Quant Time: Aug 15 09:47:22 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

JB 1520





JMT 8/17/10

Instrument D

analytics environmental laboratory LLC

Seq. ID: 080410-D

IS only#: EPH S9970 ~~S9970~~ AVR 8/4/10

EXP: 1/30/11

Tune File: ABN.u

Date: 8/4/10

Loading Check: AVR

Voltage: 1965

Analyst: AVR/NP

Unloading Check: NP

filament 2

Vial	Meth File	Sample	DF	Data File #	Comments
1	tunemix	S9836 tunemix	50ng	D71435T-45T	adjust mtune
1	tunemix	S9836 tunemix	50ng	46T	✓
2	ALG80410	S9700 Ali 5		47 51	✓
3		S9701 Ali 10		48	✓
4		S9702 Ali 20		49	✓
5		S9936 Ali 40		50	✓
6		S9704 Ali 50		51	✓
7		S9705 Ali 100		52	✓
8		S9715 Ali 20 ICV		53	✓
9	ARM80410	S9706 ARO 2		54 51	✓
10		S9707 ARO 5		55	✓
11		S9708 ARO 10		56	✓
12		S9937 ARO 20		57	✓
13		S9710 ARO 50		58	✓
14		S9711 ARO 100		59	✓
15		S9716 ARO 20 ICV		60	✓ ARO80510 ~~Sol not used~~ OK
~~15~~		~~S9716 ARO 20 ICV~~		~~66~~	AVR 8/6/10
1	tunemix	S9836 tunemix			Not needed
5	ALG80410	S9936 Ali 40			
12	ARM80410	S9937 ARO 20			
16		Hexane w/IS			
15		S9716 ARO 20 ICV			
15		S9716 ARO 20 ICV			

AVR 8/6/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

Instrument D

Analytics environmental laboratory LLC

Cont. EPH

Seq. ID 081310-D IS only#: S9992 EXP: 2/10/11

Tune File: ABN.u Date: 8/13/10 Loading Check: AW

Voltage: 1965 Analyst: AW Unloading Check: AW 8/14/10

Vial	Meth File	Sample	DF	Data File #	Comments
33	ALE080410	67499-3	2	D71826	✓
34		67433-2 RX	20	27	✓
2		S9936 Al 40		28SC	✓
W-	D-081310-3-D				
1	tunemix	S9836 tunemix 50ng		D71829T	✓
2	ALE080410	S9936 Al 40		30SC	✓
4		Hexane w IS		31	✓
35		B081310EASE	Al	32	✓ EPH IS S100A7 x2/14/11
36		L081310EASE		33	✓
37		LD081310EASE		34	✓
38		67350-9 ~~RX~~ RF		35	✓
39		-11 RX		36	✓ confirms VSS
40		67470-3 RX		37	✓ confirms low SW2
41		67512-2		38	RRSX
42		67512-3		39	RR10X
43		67514-1		40	✓
44		-2		41	✓
45		-2,ms		42	✓
46		-2,msD		43	✓
2		S9936 Al 40		44SC	✓
2		S9936 Al 40		45SC	✓

8.14.10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

Instrument J

Analytics environmental laboratory LLC

EPH

081310-J IS only#: S9992 EXP: 2/10/11

Tune File: ABU.u Date: 8/13/10 Loading Check: AUR

Voltage: 1953 Analyst: AUR Unloading Check:

W-J-081310-1-AUR

Vial	Meth File	Sample	DF	Data File #	Comments
99		MeCl2	/	J35314	
1	Tunemix	S9836 Tunemix 50ng		15T	✓
2	~~ARSIM~~ AUR 8/13/10	S9714 ARO 0.1		16SI	✓
3	ARMSIM081310	S9713 ARO 0.2		17	✓
4		S9712 ARO 1.0		18	✓
5		S9706 ARO 2		19	✓
6		S9707 ARO 5		20	✓
7		S9708 ARO 10		21	✓
8	ARM081310	S9937 ARO 20		22	✓
9		S9710 ARO 50		23	✓
10		S9711 ARO 100		24	✓
11		S9716 ARO 20 ICV		25	✓
12		S9717 ARO 2 ICV		26	✓
W-J-081310-2-AUR				~~27~~ AUR 8/14/10	
1	Tunemix	S9834 Tunemix 50ng		27T	✓
2		S9937 ARO 20		28SC	✓
3		S9706 ARO 2		29SC	✓
13		Hexane w/IS		30	✓
14	AUR 8/14/10	~~B081210EW~~ L081210EW		31B	Not used Wrong Vials
15		~~L081210EW~~ LD081210EW		32	loaded
14		B081210EW ARO		33B	✓
15		L081210EW		34Q	✓
16		LD081210EW		35Q	✓
17		~~67393-3 RX~~	L081210EW	AUR 36Q	✓
18		67471-1	LD081210EW	37Q	✓
19		-2	B081110EASE ARO	38B	✓
20		-3	L081110EASE	39Q	✓
21		67480-1	LD081110EASE	40Q	✓
22		67481-1	67433-2 RX	41	✓ 1:5
23		67487-19	67470-2	42	✓ 1:2
24		-19, MS	67393-3 RX	43	✓
25		-19, MSD	67471-1	44	✓
26		-20	-2	45	✓
27		~~-21~~	-3	46	✓

EPH IS S10017 X 2/14/11

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

Cont. pg. 29

Instrument J

Analytics environmental laboratory LLC

Cont. 081310-J

EPH

IS only#: S10017 EXP: 2/14/11

Tune File: ABN.u Date: 8/13/10 Loading Check: ALR

Voltage: 1953 Analyst: ALR Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
~~28~~		~~67499-2 ARO~~			
~~29~~		~~3~~			ALR 8/14/10
28	ARMOS1310	67480-1		J35347	✓
29	ARMSIMOX1310	67481-1		48	✓
30		67487-19		49	✓
31		-19, MS		50SP	✓
32		-19, MSD		51SP	✓
33		-20		52	✓
34		-21		53	✓
35		67499-2		54	✓
36		-3		55	✓
8		S9937 ARO 20		56SC	✓
5		S9706 ARO 2		57SC	✓
8		S9937 ARO 20		58SC	✓
5		S9706 ARO2		59SC	✓
7		S9836 TVNEM ASTM		60T	✓
8		S9937 ARO 20		61SC	✓
5		S9706 ARO 2		62SC	Not needed ✓
~~19~~		~~B081110EASE RR2~~		~~63B~~ 63A	← Hexane w ES vial 13 file 63A
37		67487-2		64	✓
38		67487-3		65	✓
39		67487-5		66	✓
40		67487-5 MS		67	✓
41		67487-5, MSD		68	✓
42		67487-8		69	✓
43		B081310EASE		70	✓
44		LO81310EASE		71	✓
45		LDO81310EASE		72	✓
46		LO81310EASE	ALI	73	✓
47		LD 081310EASE	I	74	✓
48		67350-9, RF		75	✓
49		67350-11 RX		76	confirms ↓SS
50		67470-3 RX		77	↓SS confirms
51		67512-2		78	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Instrument J

Analytics environmental laboratory LLC

081310-5 Cont.

IS only#: S10017 EPH IS EXP: x2/14/11

Tune File: ABN.U Date: 8-13-8-14-10 Loading Check: ALR

Voltage: 1953 Analyst: ALR/mg Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
52	ARm081310.M	67512-3		J35379	✓
53	SIMARm081310.M	67514-1		80	✓
54		67514-2		81	✓
55		67514-2 MS		82SP	✓
56		67514-2 MSD		83SP	✓
8		S9937 AR020		84SC	✓
5		S9706 AR02		85SC	Not needed
8		S9937 AR020		86SC	✓
5		S9706 AR02		87SC	Not needed

M 81310

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

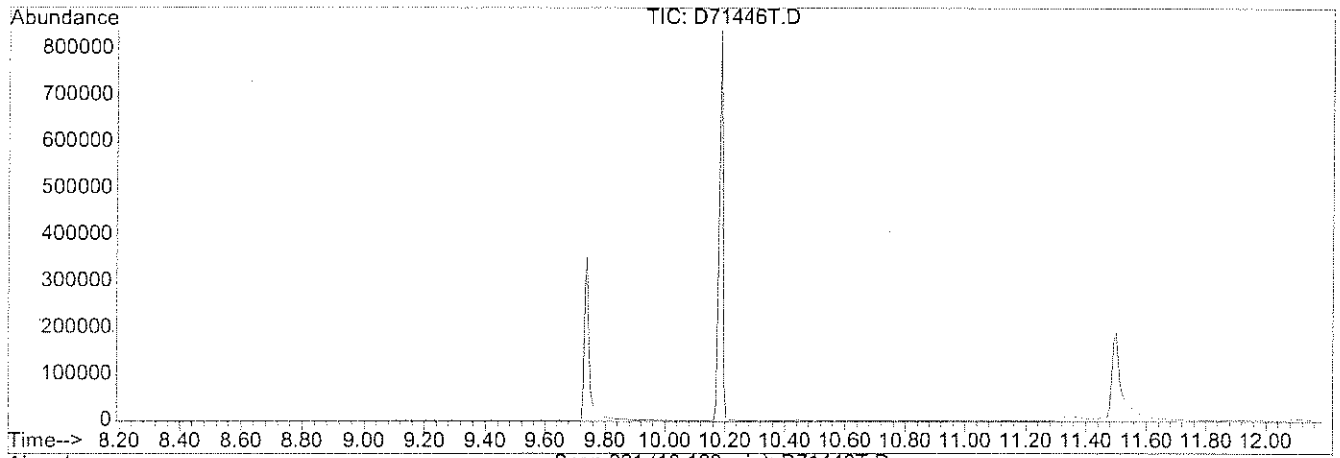
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9700 ALI 5	D71447SI.D	8/5/10 2:18
S9701 ALI 10	D71448SI.D	8/5/10 2:48
S9702 ALI 20	D71449SI.D	8/5/10 3:19
S9936 ALI 40	D71450SI.D	8/5/10 3:49
S9704 ALI 50	D71451SI.D	8/5/10 4:20
S9705 ALI 100	D71452SI.D	8/5/10 4:50
S9715 ALI 20 ICV	D71453.D	8/5/10 5:21

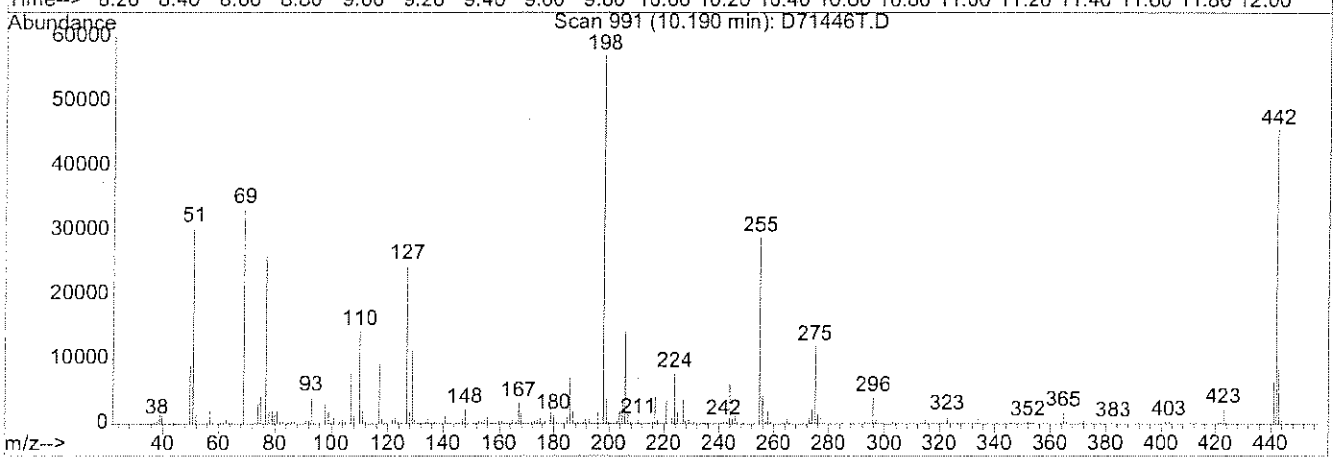
Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX





Spectrum Information: Scan 991

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.9	30392	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.0	33320	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.7	24560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	57496	PASS
199	198	5	9	6.9	3944	PASS
275	198	10	30	20.9	12023	PASS
365	198	1	100	3.2	1842	PASS
441	443	0.01	100	76.4	6759	PASS
442	198	40	100	79.4	45640	PASS
443	442	17	23	19.4	8852	PASS

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:04 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71446T.D**
Date Acquired **8/5/2010 1:47**

NP080510

Name	Target Response
PENTACHLOROPHENOL	39778.00
BENZIDINE	151505.00
DDE	53.00
DDD	1884
DDT	149663

(0% - 20%)

%DDT BREAKDOWN = 1.28% **OK** ✓

8/5/10

8/5/10 2:16 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
3 Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010 NP080510
Response via : Initial Calibration
DataAcq Meth : EPHJ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.74	266	39778	15.78 UG/L	95
2) DFTPP	10.18	198	75090	24.58 ug/ml#	60
3) BENZIDINE	11.50	184	151505	18.88 UG/L #	100
4) DDE	11.79	246	53	0.53 UG/L #	24
5) DDD	12.36	235	1884	18.84 UG/L #	19
6) DDT	12.93	235	149663	33.12 UG/L #	86

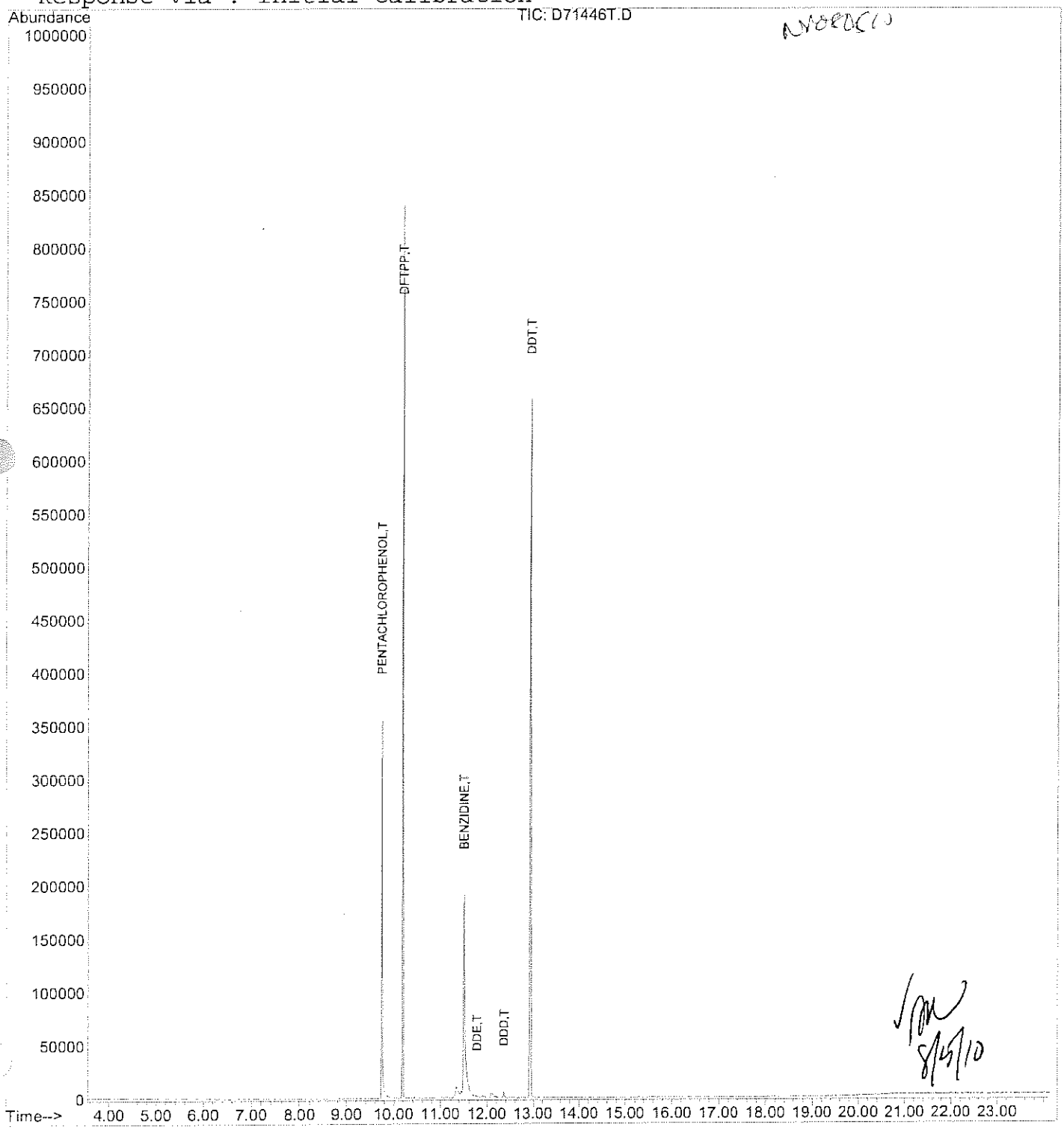
✓ AR 8/5/10

(#) = qualifier out of range (m) = manual integration
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration



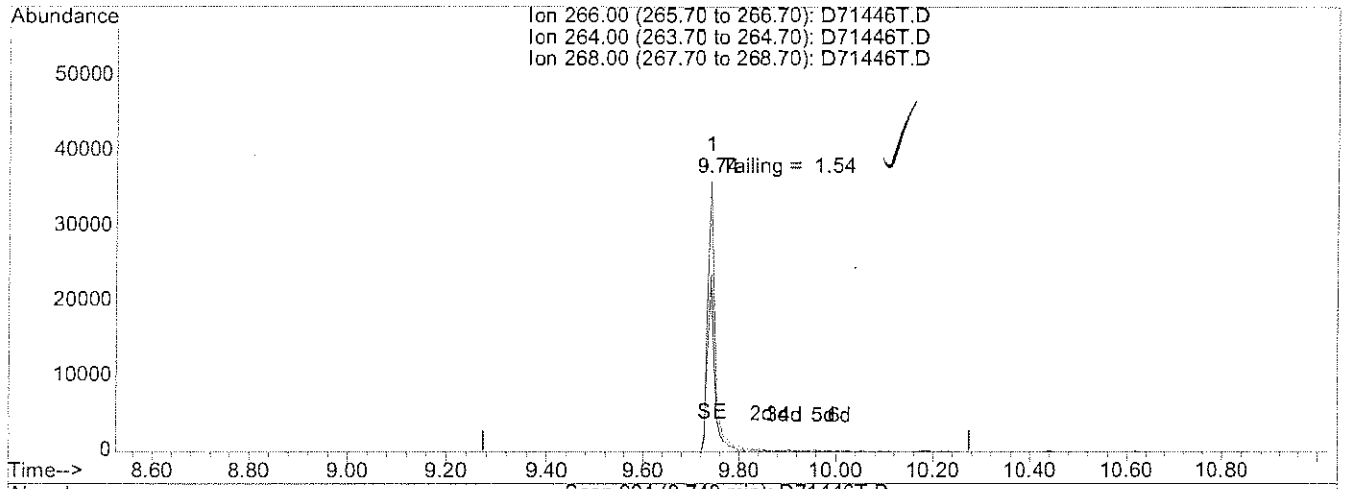
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010 Page 2

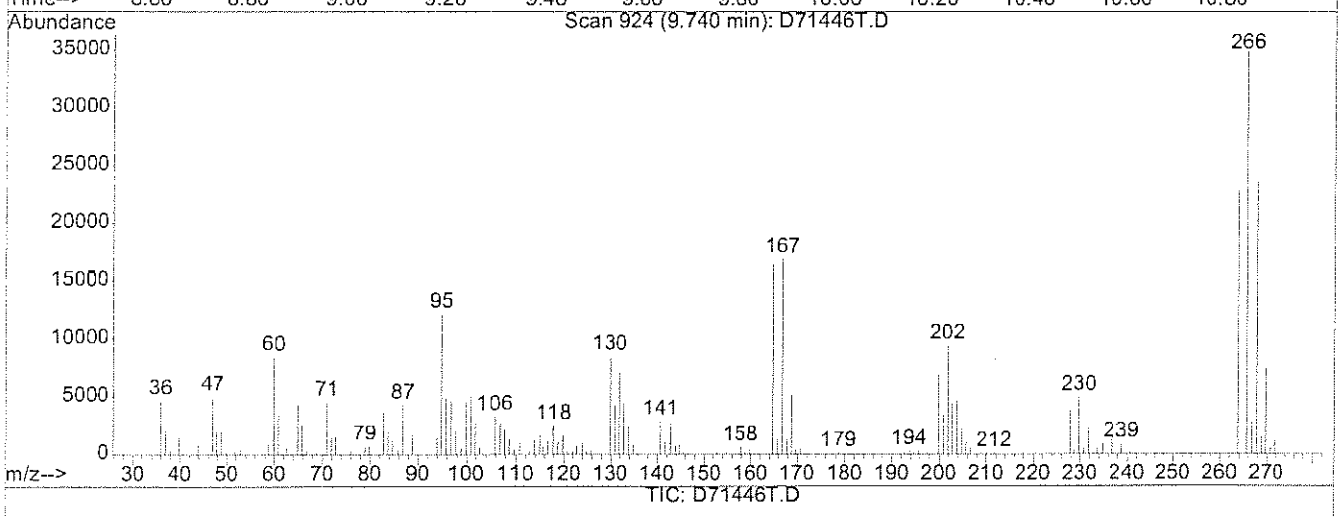
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

N108KCU





(1) PENTACHLOROPHENOL (T)

9.74min 15.78UG/L

response 39778

Ion	Exp%	Act%
266.00	100	100
264.00	59.50	61.59
268.00	58.20	63.08
0.00	0.00	0.00

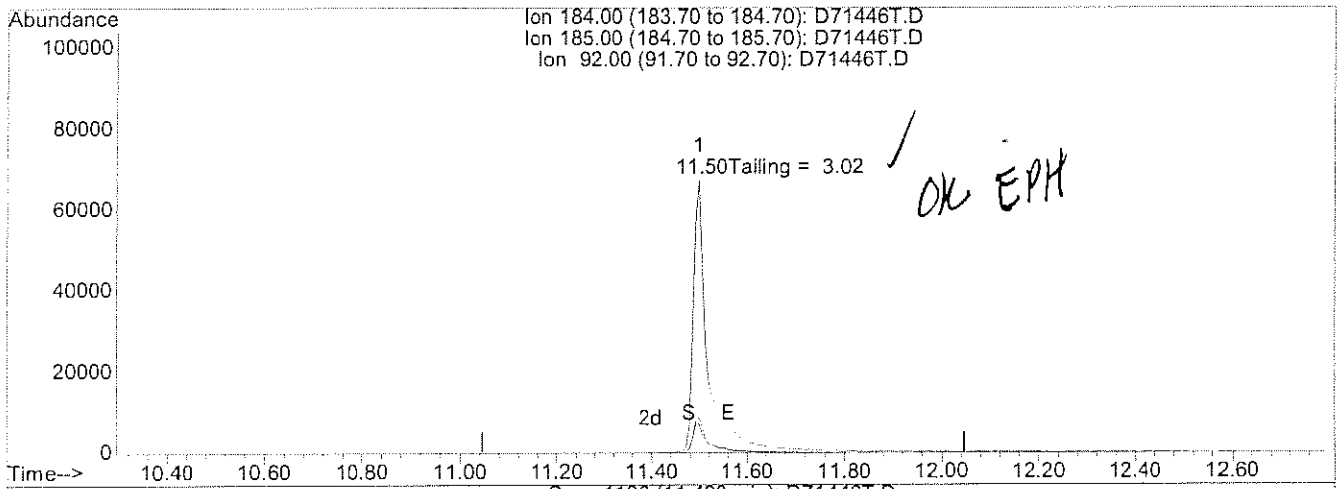
8/5/10

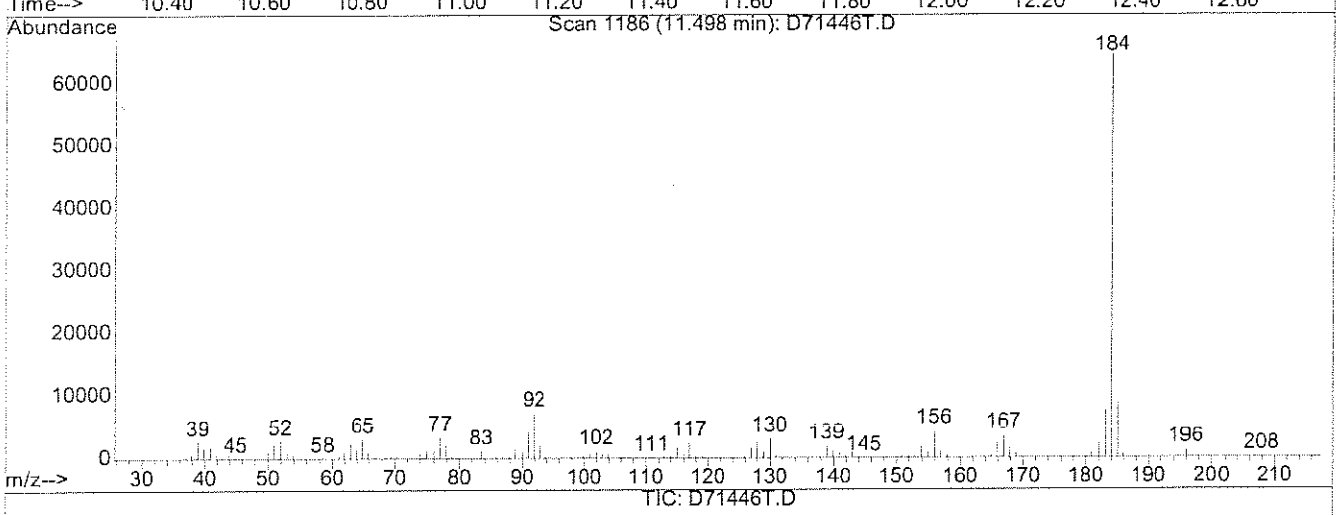
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:40 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010 Nro 8/5/10
Response via : Single Level Calibration





TIC: D71446T.D

(3) BENZIDINE (T)

11.50min 18.88UG/L

response 151505

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.18#
92.00	0.00	10.90#
0.00	0.00	0.00

OK 8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:19:09 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
DFTPP File ID: D71830SC.D
DFTPP Injection Date: 08/14/10
DFTPP Injection Time: 7:41

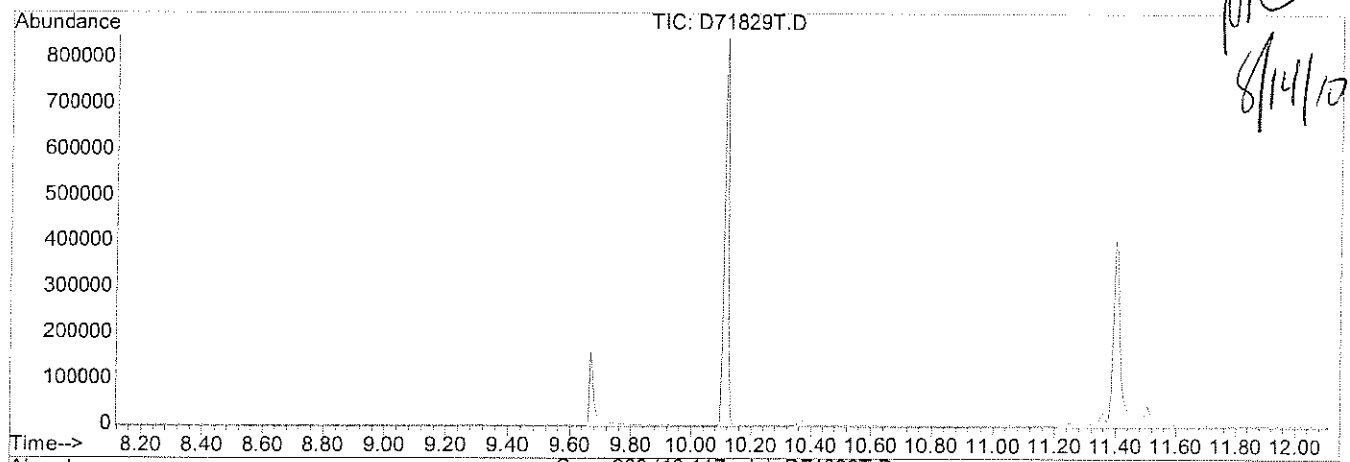
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
HEXANE W IS	D71831.D	8/14/10 8:11
B081310EASE	D71832B.D	8/14/10 8:41
L081310EASE	D71833Q.D	8/14/10 9:11
LD081310EASE	D71834Q.D	8/14/10 9:41
67514-1	D71840.D	8/14/10 12:41
67514-2	D71841.D	8/14/10 13:11
67514-2,MS	D71842SP.D	8/14/10 13:41
67514-2,MSD	D71843SP.D	8/14/10 14:11
S9936 ALI 40	D71844SC.D	8/14/10 14:41
S9936 ALI 40	D71845SC.D	8/14/10 15:12

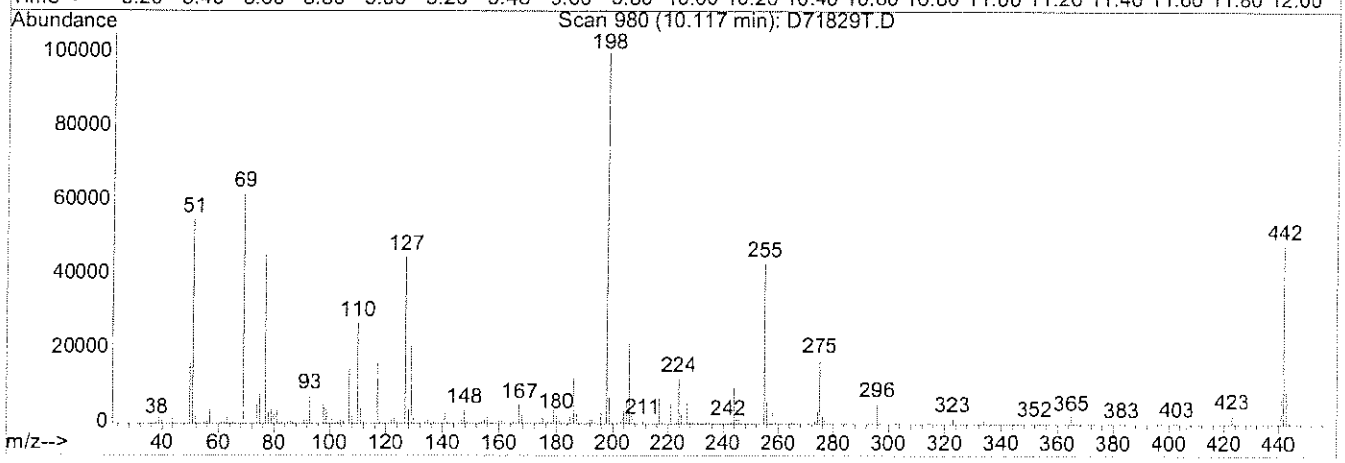
Refer to the DFTPP report D71830SC.D for ion ratio evaluation.

DFTPP

Data File : D:\HPCHEM\1\DATA\081310-D\D71829T.D Vial: 1
Acq On : 14 Aug 2010 7:11 am Operator: AR/MG
Sample : S9836 TUNEMIX 50 NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

8/14/10





Spectrum Information: Scan 980

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	55.0	55272	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	61.9	62144	PASS
70	69	0.00	2	0.5	280	PASS
127	198	40	60	44.9	45088	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	100440	PASS
199	198	5	9	7.1	7181	PASS
275	198	10	30	17.5	17568	PASS
365	198	1	100	2.1	2126	PASS
441	443	0.01	100	81.8	7271	PASS
442	198	40	100	48.2	48456	PASS
443	442	17	23	18.3	8890	PASS

D71829T.D TUNMXEPH.M Sat Aug 14 07:36:07 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50 NG**
Data File Name **D71829T.D**
Date Acquired **8/14/2010 7:11**

8/14/10

Name	Target Response
PENTACHLOROPHENOL	15389.00
BENZIDINE	240606.00
DDE	360.00
DDD	2781
DDT	149921

(0% - 20%)

%DDT BREAKDOWN = 2.05% **OK**

158140

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71829T.D
Acq On : 14 Aug 2010 7:11 am
Sample : S9836 TUNEMIX 50 NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 14 7:35 2010

Vial: 1
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Aug 07 05:14:12 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

8/14/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.67	266	15389	6.11	UG/L	92
2) DFTPP	10.12	198	90266	29.55	ug/ml	99
3) BENZIDINE	11.40	184	240606	29.99	UG/L	99
4) DDE	11.67	246	360	3.60	UG/L #	51
5) DDD	12.26	235	2781	27.81	UG/L	88
6) DDT	12.81	235	149921	33.18	UG/L	99

1S 8/14/10

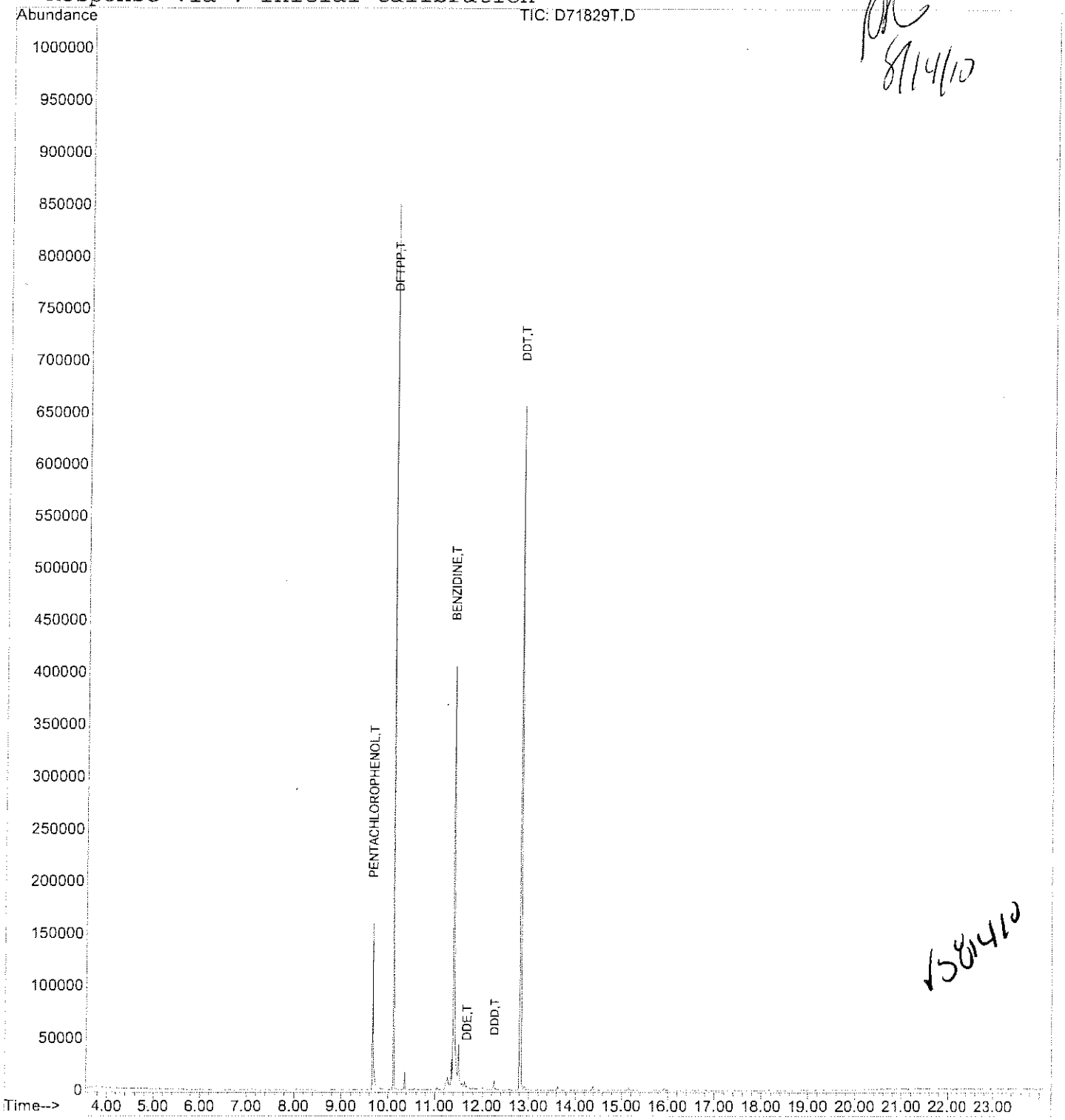
(#) = qualifier out of range (m) = manual integration
D71829T.D TUNMXEPH.M Sat Aug 14 07:38:51 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\081310-D\D71829T.D
Acq On : 14 Aug 2010 7:11 am
Sample : S9836 TUNEMIX 50 NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 14 7:35 2010

Vial: 1
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Aug 07 05:14:12 2010
Response via : Initial Calibration



AR 8/14/10

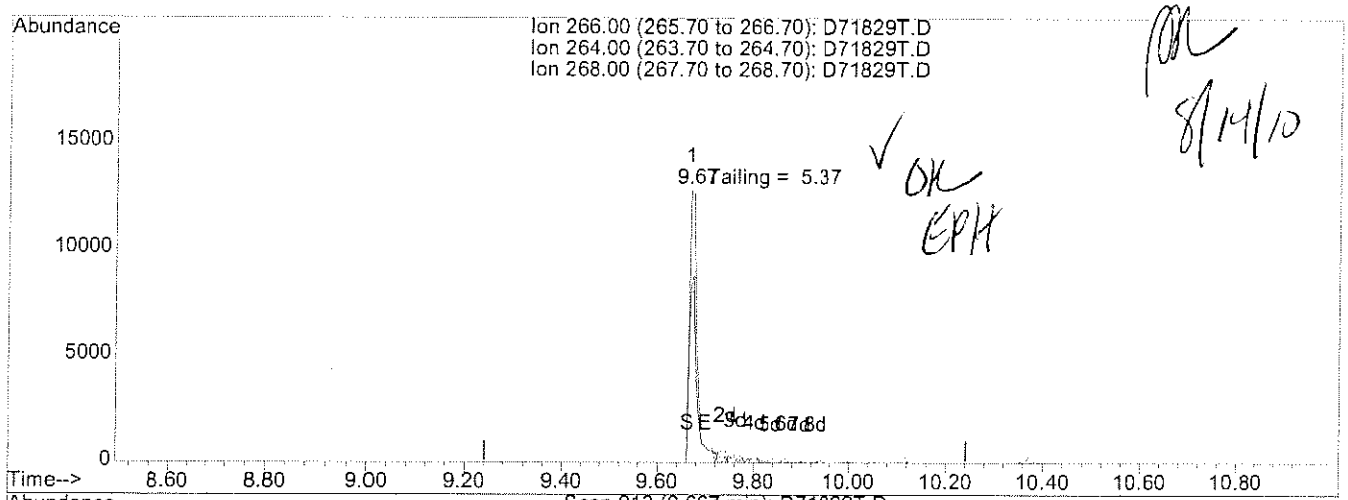
8/14/10

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\081310-D\D71829T.D
Acq On : 14 Aug 2010 7:11 am
Sample : S9836 TUNEMIX 50 NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 14 7:35 2010

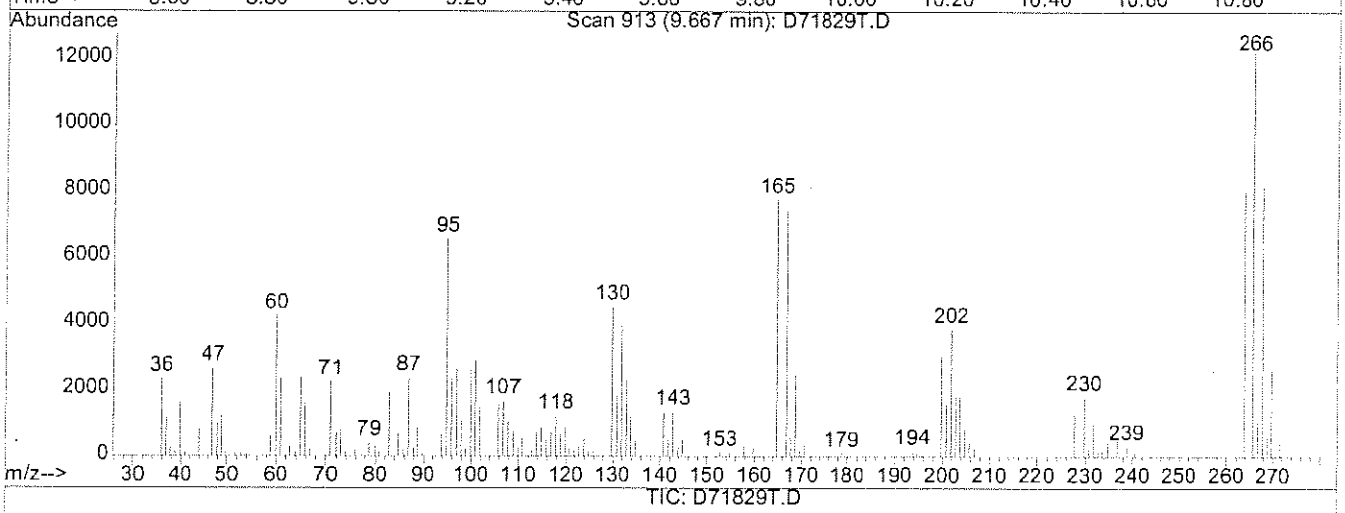
Vial: 1
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Aug 07 05:14:12 2010
Response via : Single Level Calibration



OK EPH

8/14/10



(1) PENTACHLOROPHENOL (T)

9.67min 6.11UG/L

response 15389

Ion	Exp%	Act%
266.00	100	100
264.00	58.40	65.34
268.00	61.30	67.07
0.00	0.00	0.00

✓ 58-140

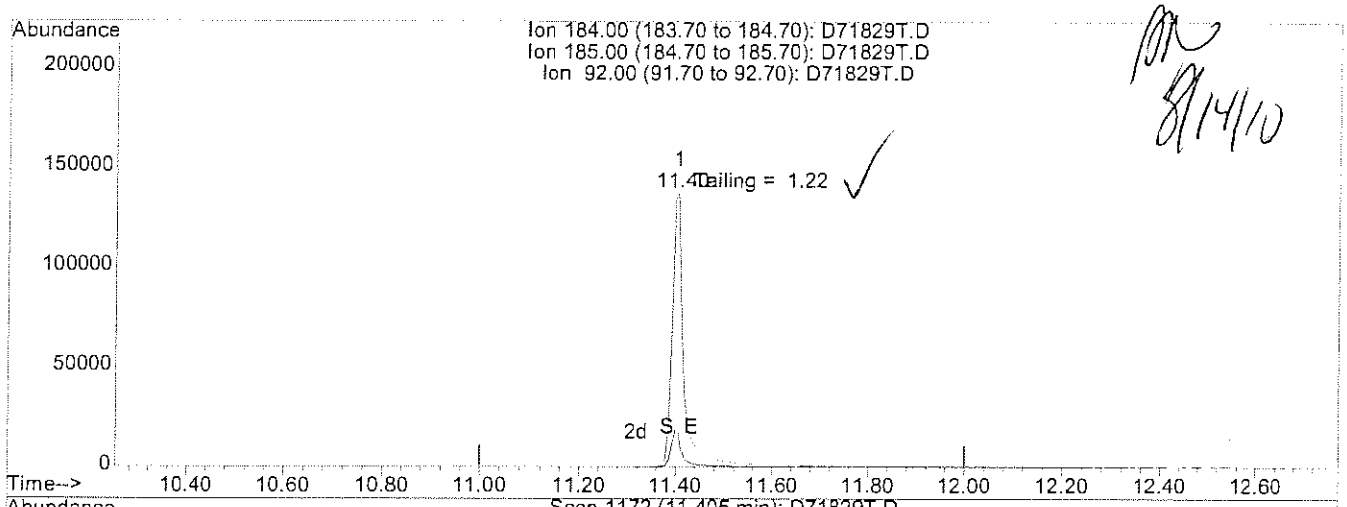
D71829T.D TUNMXEPH.M Sat Aug 14 07:39:31 2010

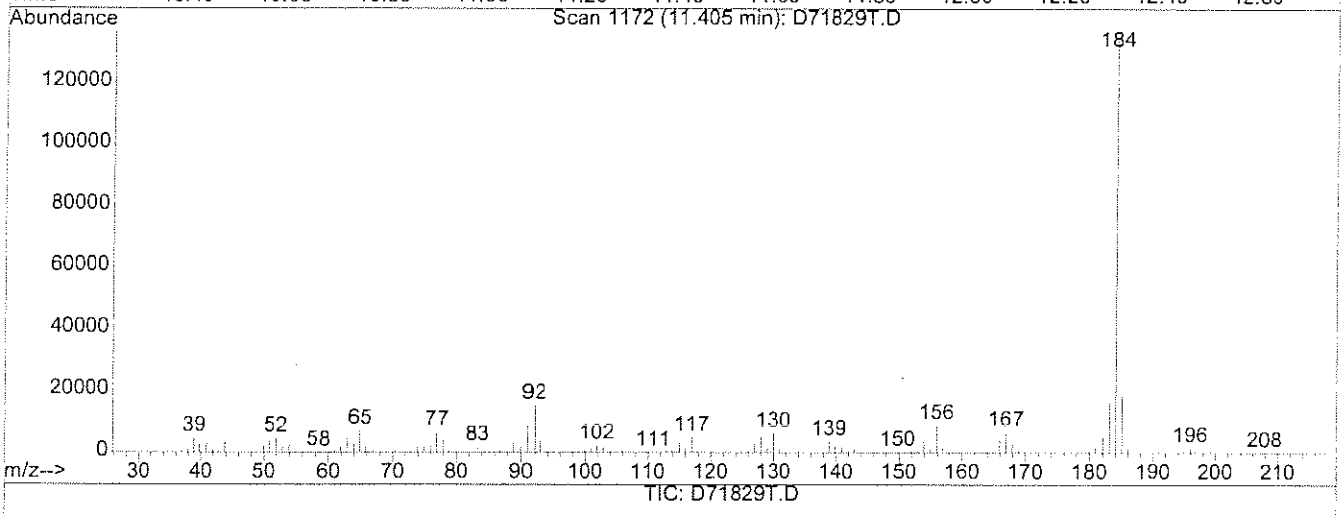
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\081310-D\D71829T.D
Acq On : 14 Aug 2010 7:11 am
Sample : S9836 TUNEMIX 50 NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 14 7:35 2010

Vial: 1
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Aug 07 05:14:12 2010
Response via : Single Level Calibration





(3) BENZIDINE (T)

11.40min 29.99UG/L

response 240606

Ion	Exp%	Act%
184.00	100	100
185.00	13.80	13.11
92.00	12.50	12.50
0.00	0.00	0.00

D71829T.D TUNMXEPH.M Sat Aug 14 07:39:38 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
DFTPP File ID: J35315T.D
DFTPP Injection Date: 08/14/10
DFTPP Injection Time: 1:45

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9706 ARO 2	J35319SI.D	8/14/10 3:16
S9707 ARO 5	J35320SI.D	8/14/10 3:39
S9708 ARO 10	J35321SI.D	8/14/10 4:02
S9937 ARO 20	J35322SI.D	8/14/10 4:25
S9710 ARO 50	J35323SI.D	8/14/10 4:48
S9711 ARO 100	J35324SI.D	8/14/10 5:10
S9716 ARO 20 ICV	J35325.D	8/14/10 5:33

Refer to the DFTPP report J35315T.D for ion ratio evaluation.

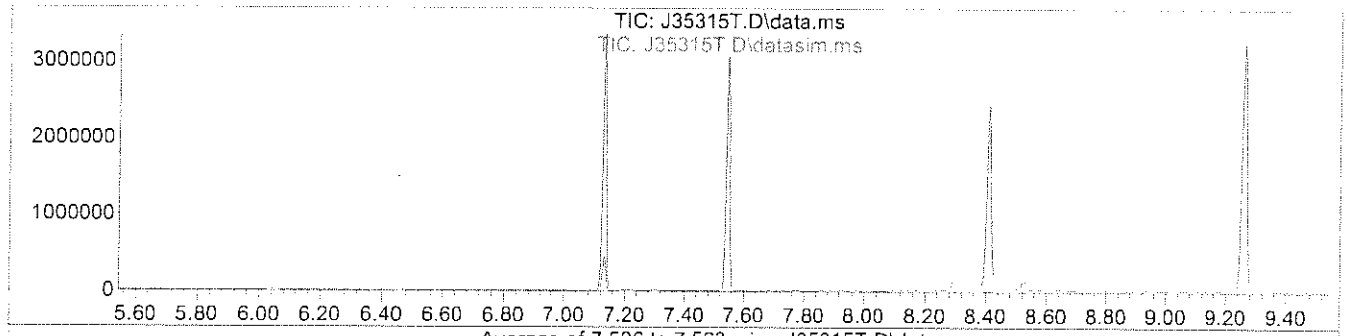
EPH FORM 5

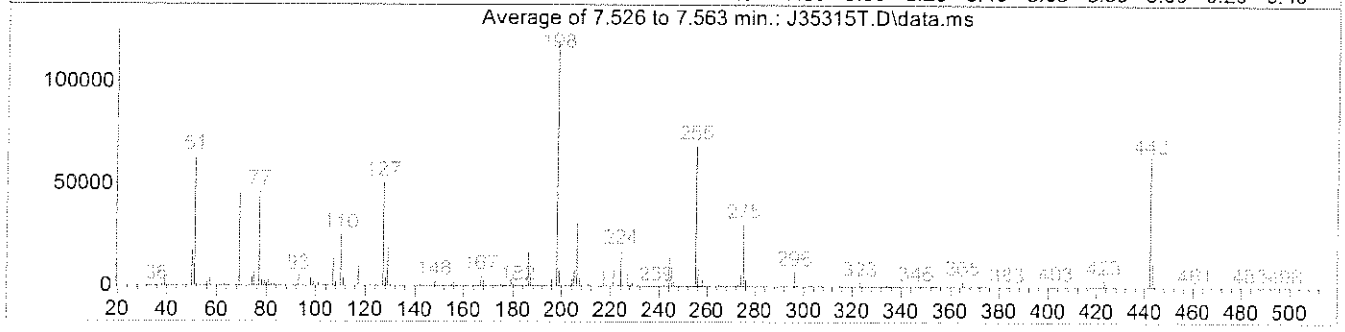
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35315T.D
Acq On : 14 Aug 2010 1:45 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Fri Aug 13 05:24:32 2010

8/14/10





Spectrum Information: Average of 7.526 to 7.563 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	53.2	63791	PASS
68	69	0.00	2	0.1	27	PASS
69	198	0.00	100	37.8	45336	PASS
70	69	0.00	2	0.6	251	PASS
127	198	40	60	42.5	50967	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	119990	PASS
199	198	5	9	6.8	8130	PASS
275	198	10	30	25.6	30694	PASS
365	198	1	100	2.8	3330	PASS
441	443	0.01	100	3.1	358	PASS
442	198	40	100	53.0	63592	PASS
443	442	17	23	18.2	11552	PASS

081310

SEMI-VOLATILE
TUNE MIX CHECK

8/14/10

Sample Name **S9836 TUNEMIX 50 NG**
Data File Name **J35315T.D**
Date Acquired **8/14/2010 1:45**

Name	Target Response
Pentachlorophenol	353660.00
Benzidine	1084210.00
DDE	869.00
DDD	3975
DDT	773630

(0% - 20%)

%DDT BREAKDOWN = 0.62% **OK**

081520

8/14/2010 6:07 AM

C:\msdchem\custrpt\ABN CUSTRPT\TUNEMIX.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35315T.D
Acq On : 14 Aug 2010 1:45 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:06:42 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

8/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) Pentachlorophenol	7.132	266	353660	24.19 ug/ml	99
2) DFTPP	7.544	198	302148	25.01 ug/ml	99
3) Benzidine	8.411	184	1084210	17.52 ug/ml#	100
4) DDE	8.584	246	869	0.59 ug/ml#	100
5) DDD	8.926	235	3975	0.25 ug/ml	86
6) DDT	9.263	235	773630	25.21 ug/ml#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

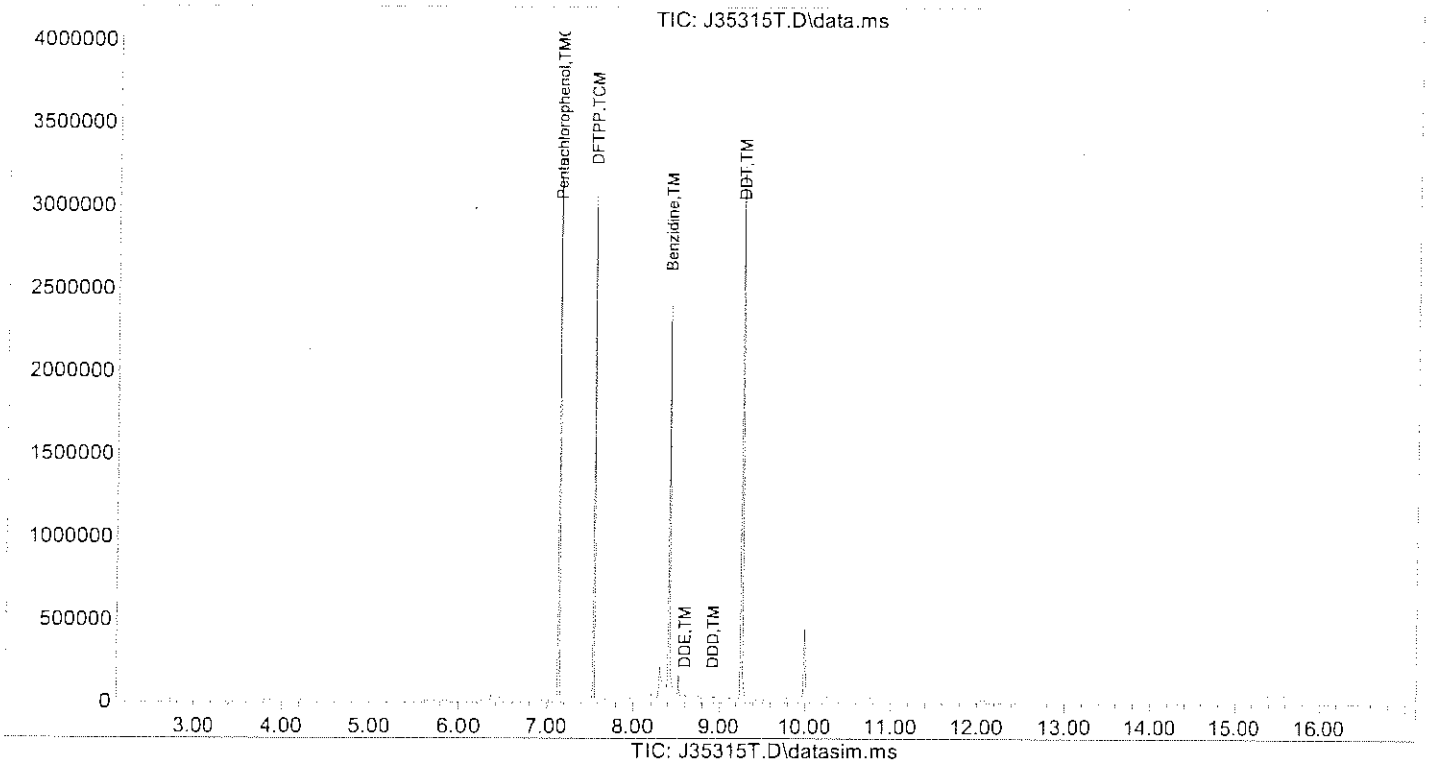
081570

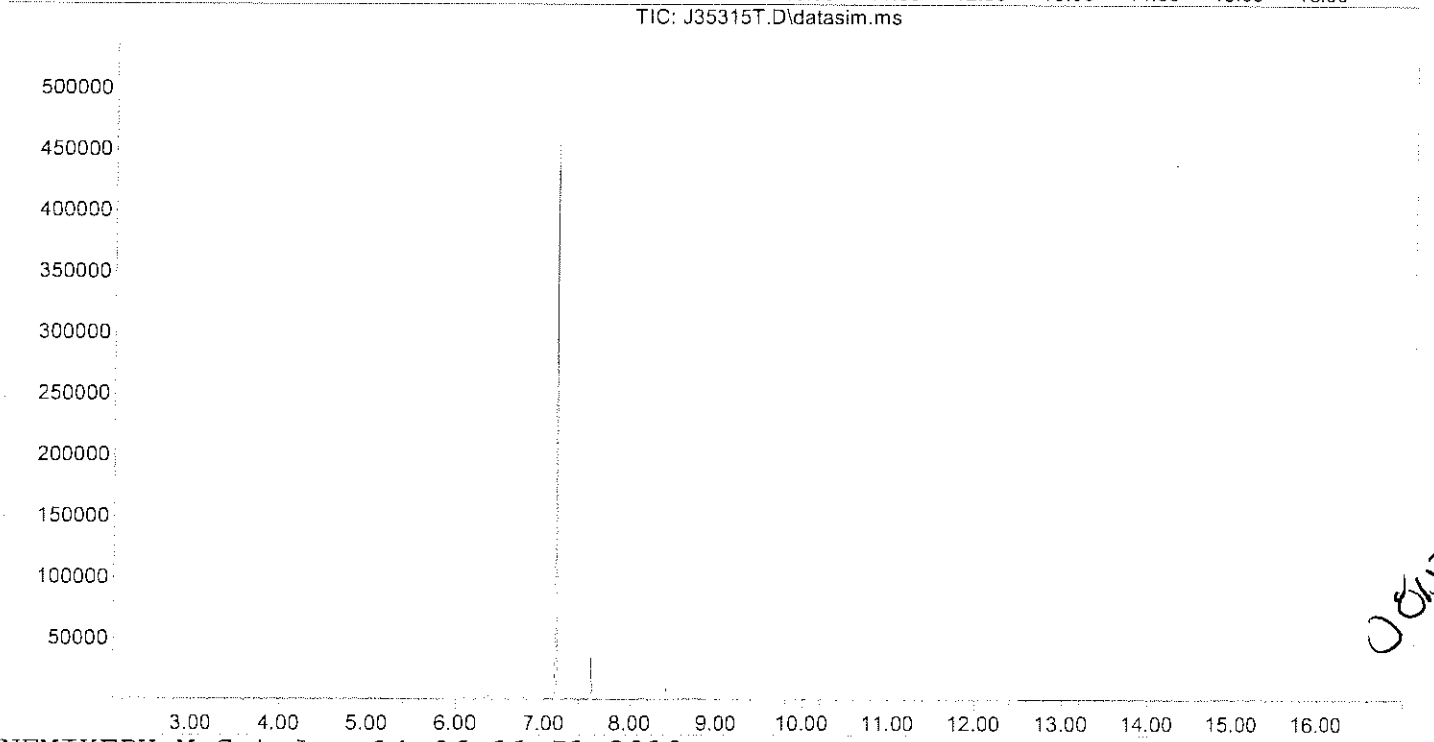
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35315T.D
Acq On : 14 Aug 2010 1:45 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:06:42 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

8/14/10





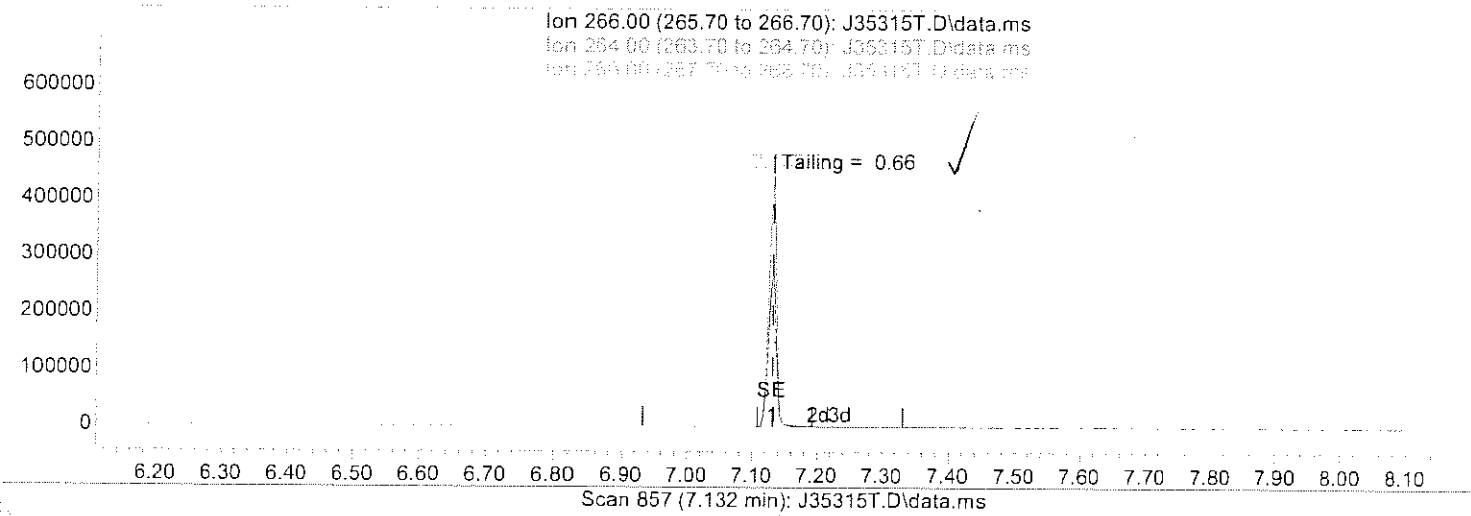
086570

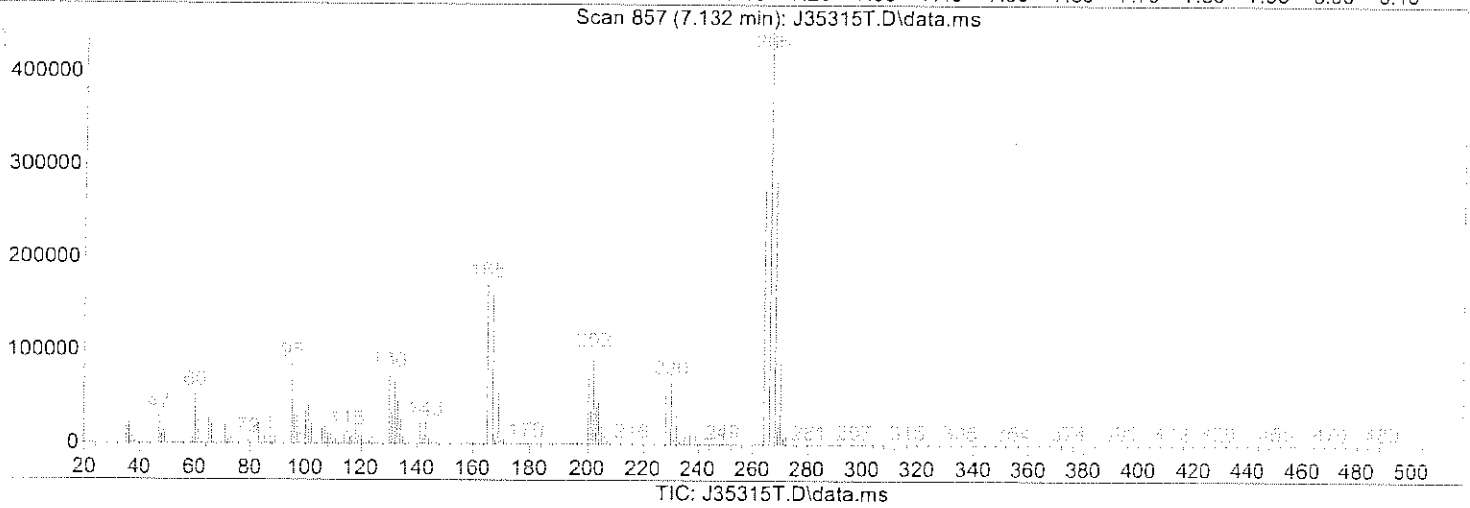
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35315T.D
Acq On : 14 Aug 2010 1:45 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:06:42 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

8/14/10





(1) Pentachlorophenol (TMC)

7.132min (+0.000) 24.19ug/ml

response 353660

Ion	Exp%	Act%
266.00	100	100
264.00	63.50	63.73
268.00	64.40	63.70
0.00	0.00	0.00

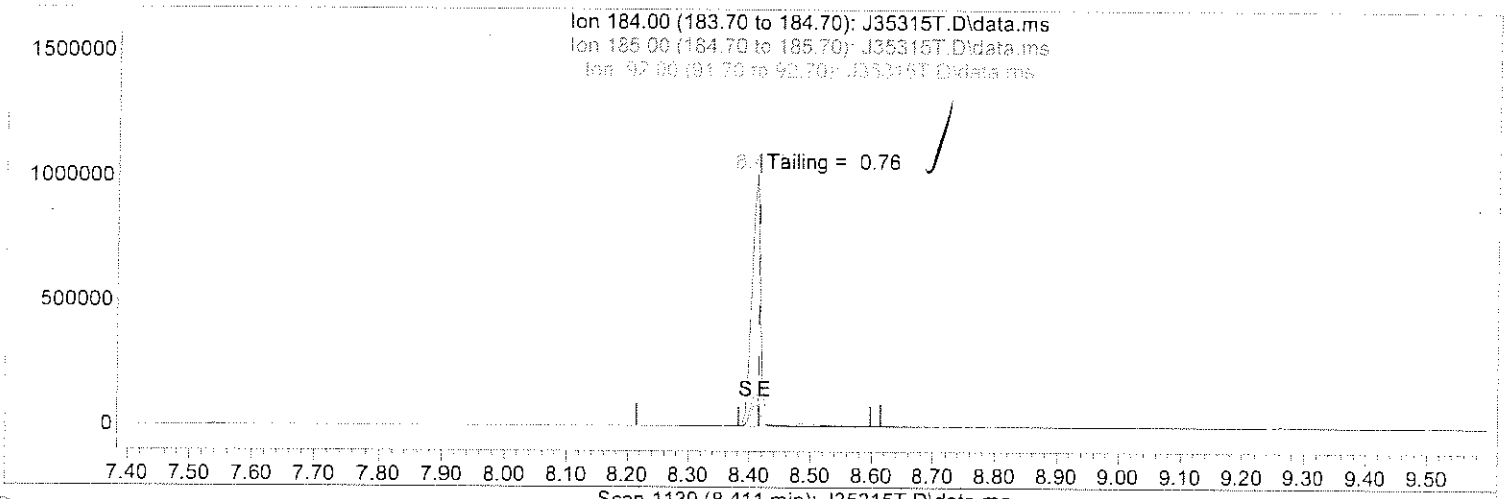
J8570

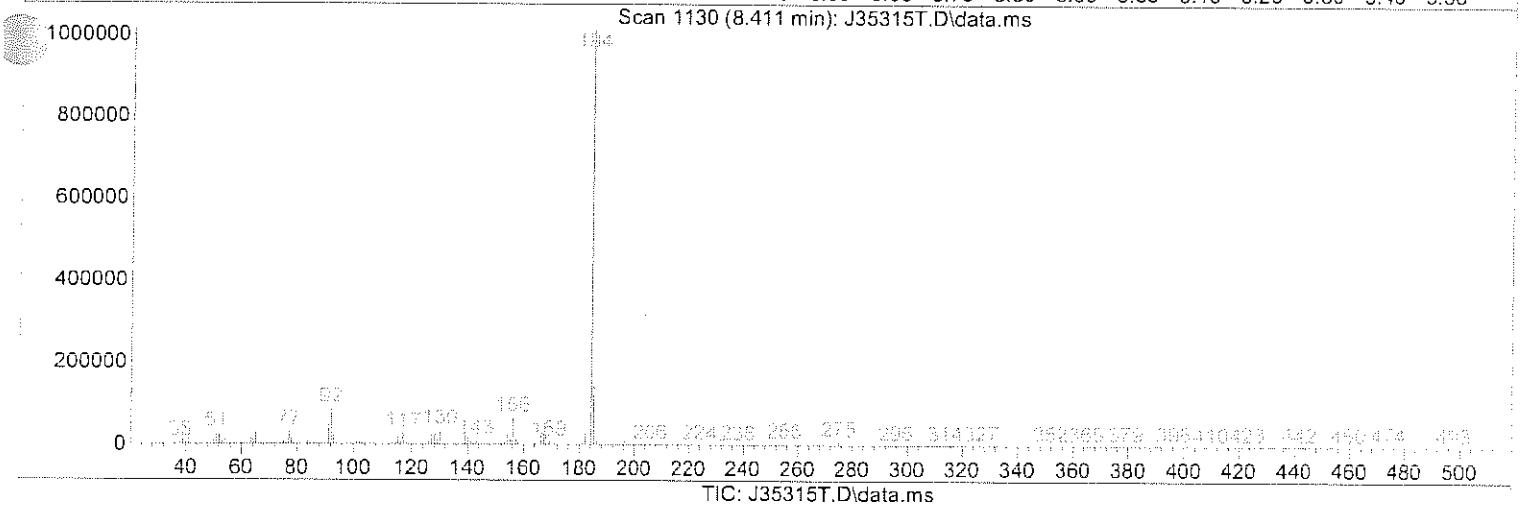
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35315T.D
Acq On : 14 Aug 2010 1:45 am
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 14 06:06:42 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

OK 8/14/10





(3) Benzidine (TM)

8.411min (-0.005) 17.52ug/ml

response 1084210

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	14.43#
92.00	0.00	8.67#
0.00	0.00	0.00

36170

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67514
DFTPP File ID: J35360T.D
DFTPP Injection Date: 08/14/10
DFTPP Injection Time: 18:55

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9937 ARO 20	J35361SC.D	8/14/10 19:17
HEXANE W/IS	J35363A.D	8/14/10 20:03
B081310EASE	J35370B.D	8/14/10 23:04
L081310EASE	J35371Q.D	8/14/10 23:27
LD081310EASE	J35372Q.D	8/14/10 23:50
L081310EASE	J35373Q.D	8/15/10 0:12
LD081310EASE	J35374Q.D	8/15/10 0:35
67514-1	J35380.D	8/15/10 2:52
67514-2	J35381.D	8/15/10 3:14
67514-2,MS	J35382SP.D	8/15/10 3:37
67514-2,MSD	J35383SP.D	8/15/10 4:00
S9937 ARO 20	J35384SC.D	8/15/10 4:22
S9937 ARO 20	J35386SC.D	8/15/10 5:08

Refer to the DFTPP report J35360T.D for ion ratio evaluation.

EPH FORM 5

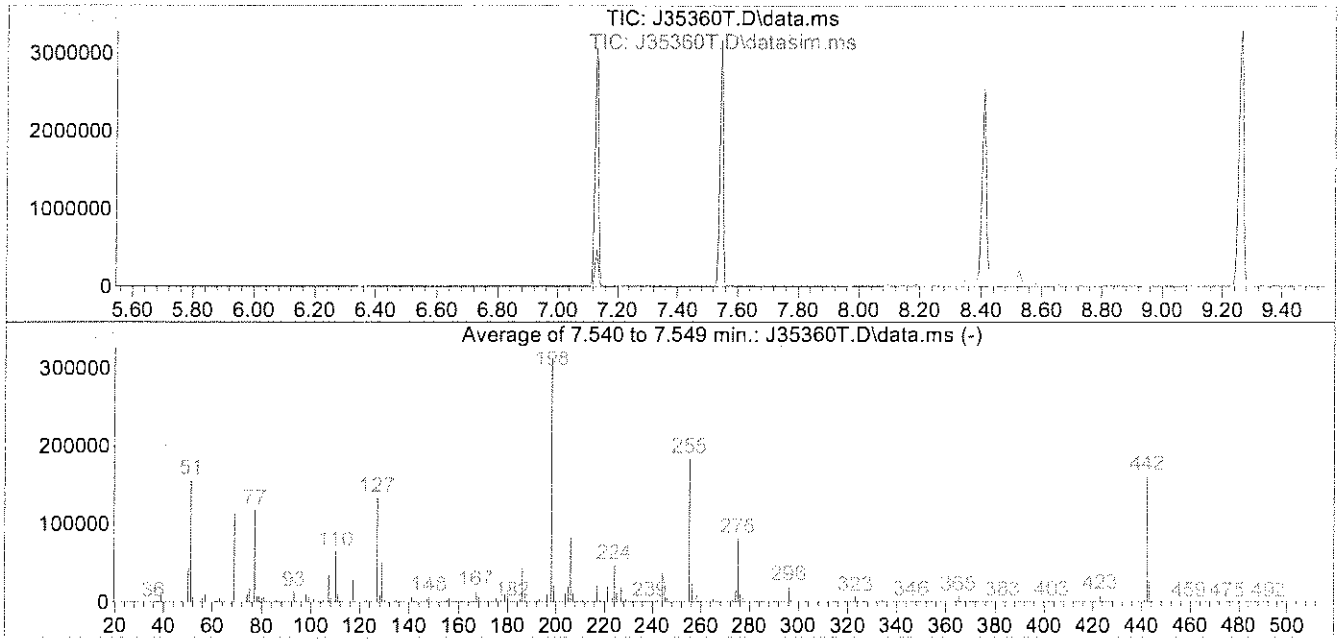
DFTPP

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35360T.D
Acq On : 14 Aug 2010 6:55 pm
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

J81310

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Fri Aug 13 05:24:32 2010



vmtt 8/17/10

AutoFind: Scans 944, 945, 946; Background Corrected with Scan 940

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	50.5	157952	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	36.5	114016	PASS
70	69	0.00	2	0.5	542	PASS
127	198	40	60	43.1	134616	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	312635	PASS
199	198	5	9	7.0	22010	PASS
275	198	10	30	26.2	81914	PASS
365	198	1	100	2.7	8420	PASS
441	443	0.01	100	16.1	4766	PASS
442	198	40	100	52.2	163184	PASS
443	442	17	23	18.1	29607	PASS

581570

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50 NG**
Data File Name **J35360T.D**
Date Acquired **8/14/2010 18:55**

Name	Target Response
Pentachlorophenol	332444.00
Benzidine	1078298.00
DDE	1029.00
DDD	6507
DDT	765901

(0% - 20%)

%DDT BREAKDOWN = 0.97% **OK**

VMT
8/17/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35360T.D
Acq On : 14 Aug 2010 6:55 pm
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

58150

Quant Time: Aug 15 10:37:43 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) Pentachlorophenol	7.132	266	332444	22.74 ug/ml	99
2) DFTPP	7.544	198	299531	24.80 ug/ml	100
3) Benzidine	8.411	184	1078298	17.42 ug/ml#	100
4) DDE	8.589	246	1029	0.70 ug/ml#	100
5) DDD	8.926	235	6507	0.40 ug/ml	96
6) DDT	9.263	235	765901	24.96 ug/ml#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

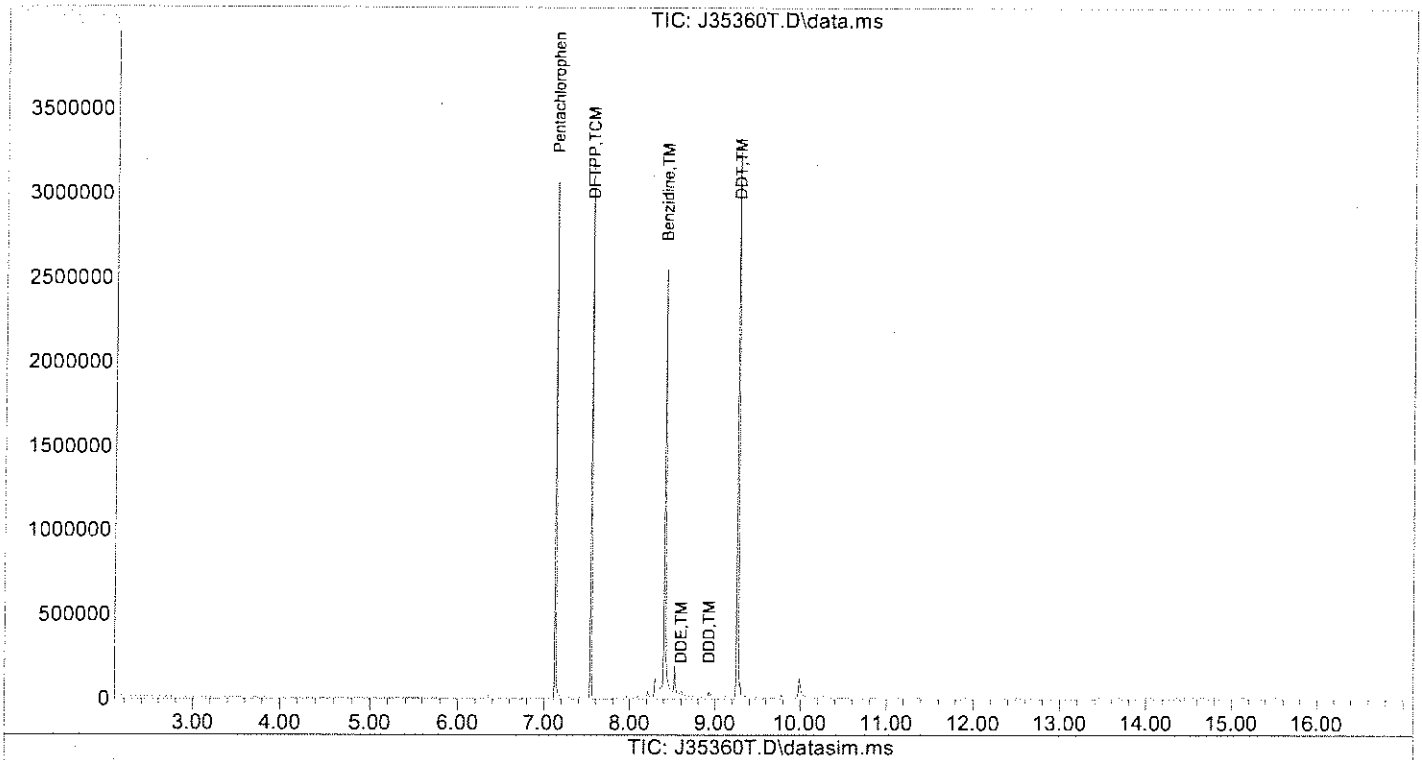
VMT 8/17/10

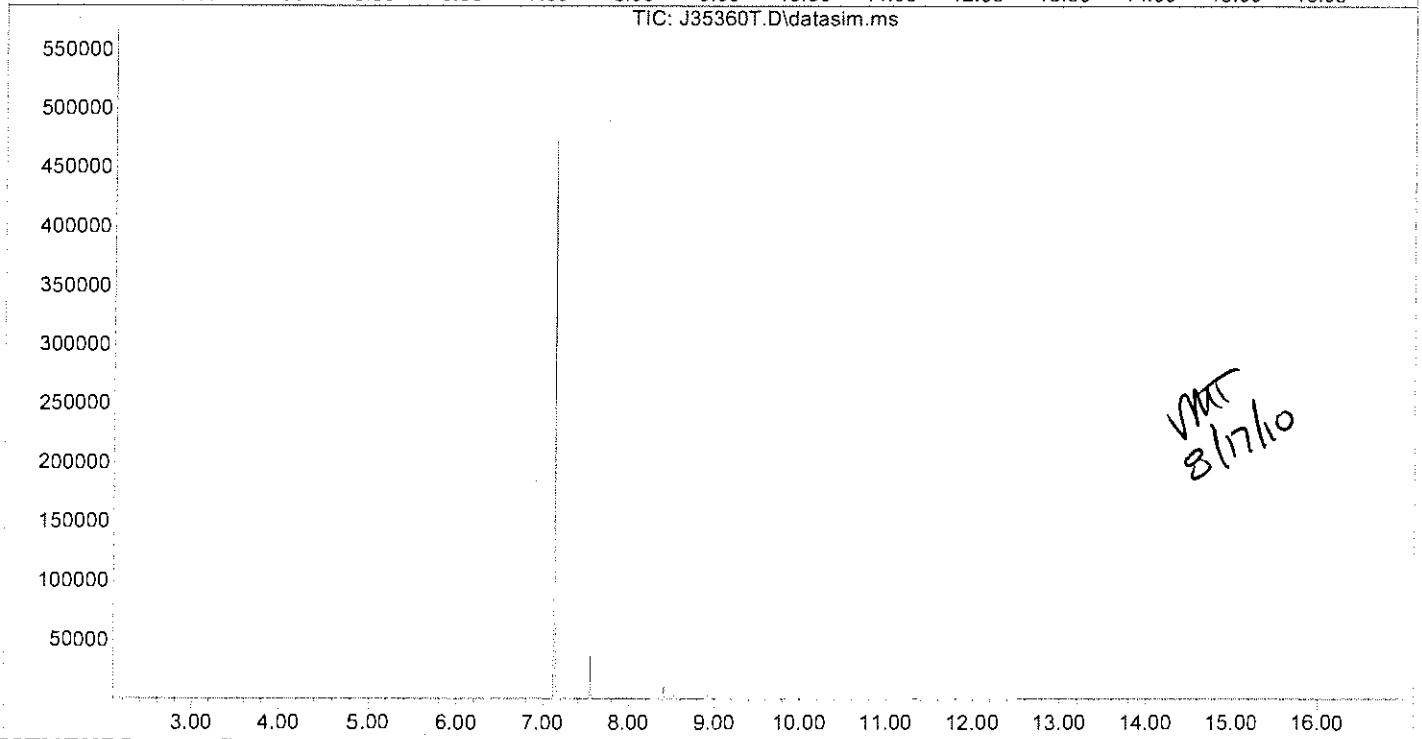
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35360T.D
Acq On : 14 Aug 2010 6:55 pm
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 15 10:37:43 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

J81520





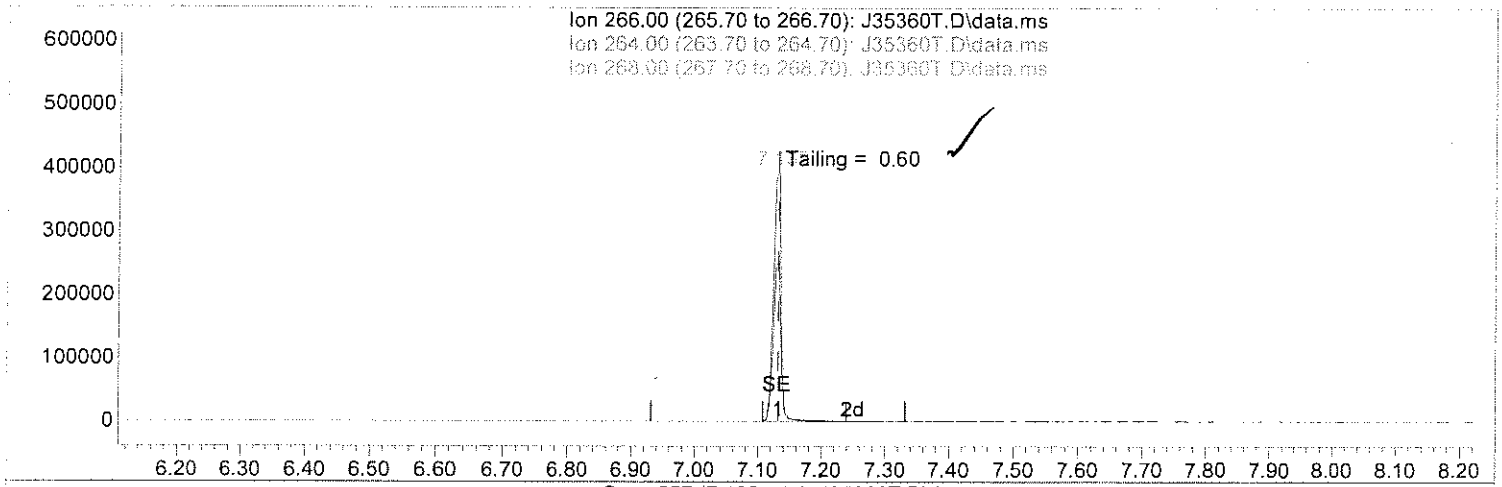
VMT 8/17/10

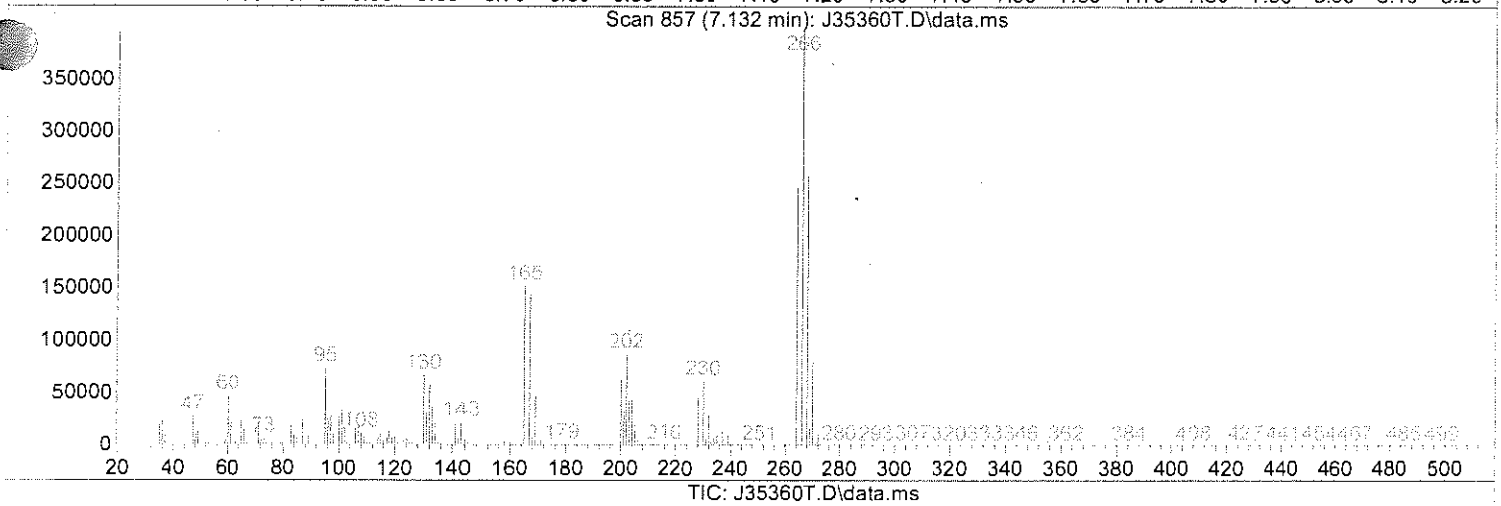
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35360T.D
Acq On : 14 Aug 2010 6:55 pm
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 15 10:37:43 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

581570





(1) Pentachlorophenol (TMC)

7.132min (-0.000) 22.74ug/ml

response 332444

Ion	Exp%	Act%
266.00	100	100
264.00	63.50	62.95
268.00	64.40	63.74
0.00	0.00	0.00

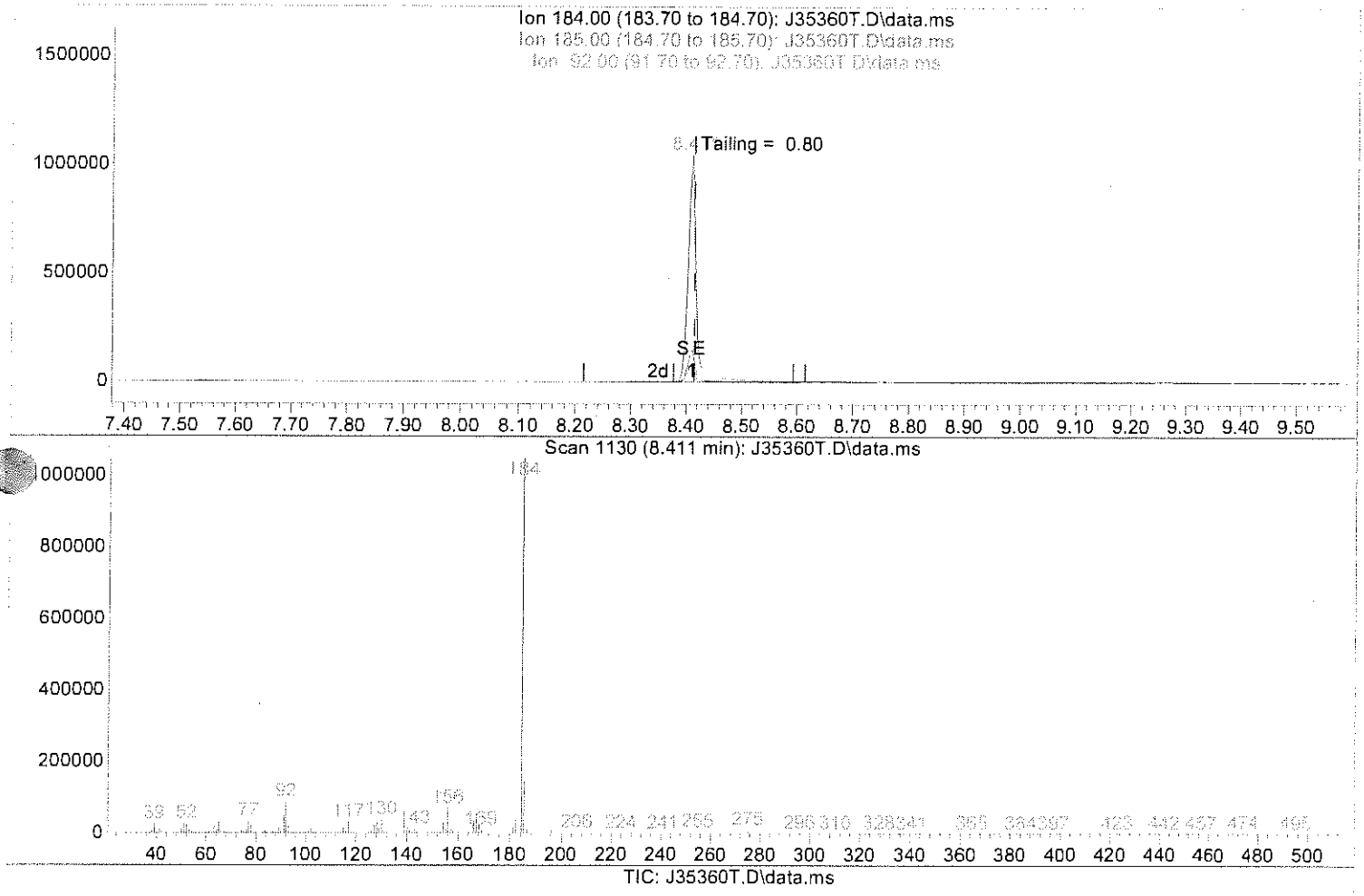
VMT 8/17/10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35360T.D
Acq On : 14 Aug 2010 6:55 pm
Operator : MG/ALR
Sample : S9836 TUNEMIX 50 NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 15 10:37:43 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Aug 13 05:24:32 2010
Response via : Initial Calibration

581570



(3) Benzidine (TM)

8.411min (-0.005) 17.42ug/ml

response 1078298

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	14.14#
92.00	0.00	7.98#
0.00	0.00	0.00

VMT 8/17/10

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010

Nro 50 5(v

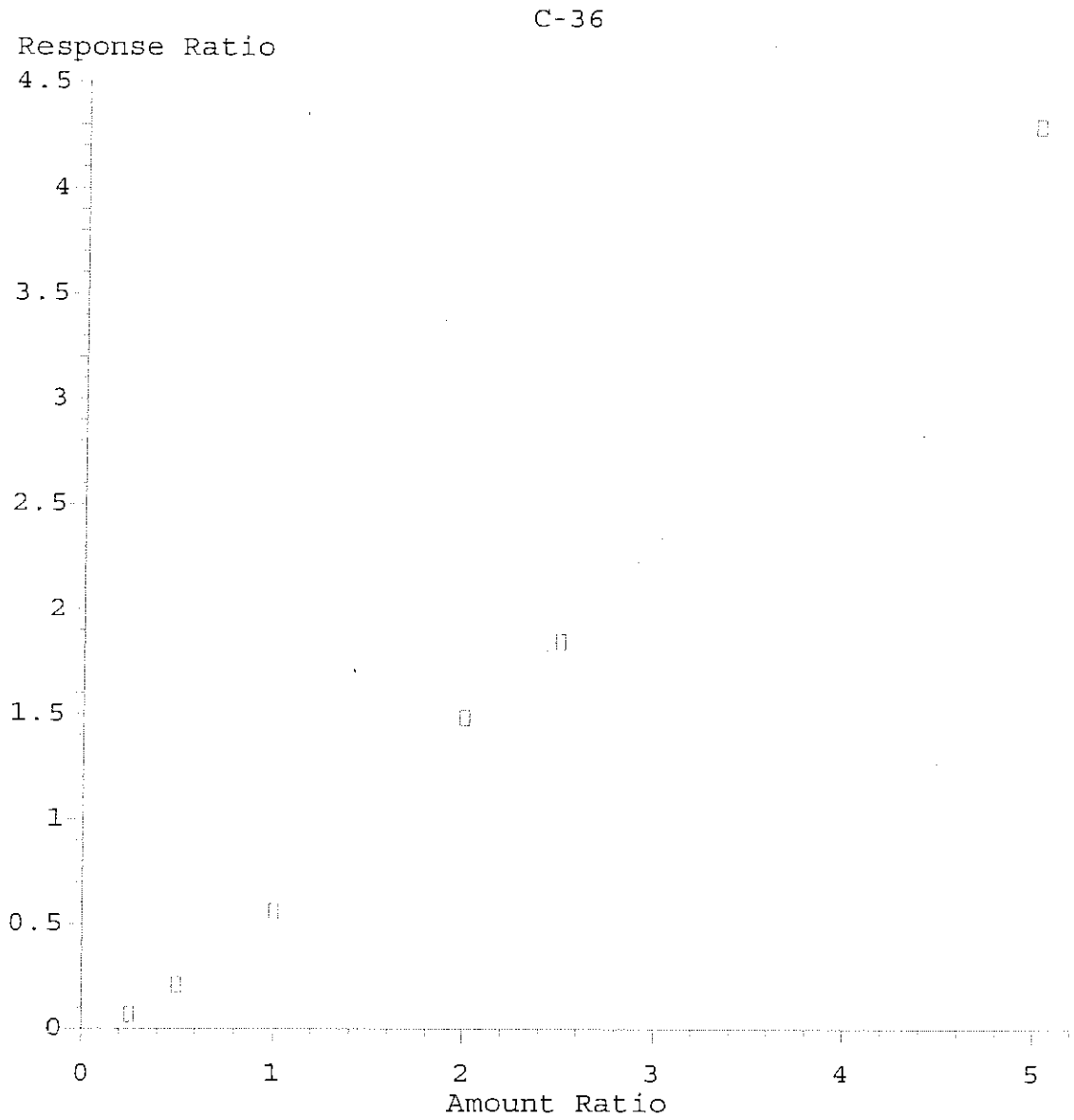
Calibration Files
5 =D71447SI.D 10 =D71448SI.D 20 =D71449SI.D
40 =D71450SI.D 50 =D71451SI.D 100 =D71452SI.D

	Compound	5	10	20	40	50	100	Avg		%RSD
1)	I 5-alpha-Androstane	----------ISTD----------								
2)	TZM C-9	1.183	1.207	1.210	1.297	1.278	1.277	1.242	0	3.81
3)	TZM C-10	1.208	1.243	1.232	1.328	1.325	1.283	1.270	0	3.94
4)	TZM C-12	1.226	1.320	1.372	1.449	1.422	1.394	1.364	0	5.92
5)	TZM C-14	1.287	1.336	1.376	1.498	1.486	1.410	1.399	0	5.94
6)	TZM C-16	1.221	1.308	1.370	1.410	1.411	1.381	1.350	0	5.46
7)	TZM C-18	1.202	1.290	1.351	1.451	1.435	1.329	1.343	0	6.89
8)	XH C9-C18 ✓	1.221	1.284	1.319	1.405	1.393	1.346	1.328	0	5.21
9)	TZM C-19	1.201	1.280	1.351	1.418	1.425	1.296	1.329	0	6.50
10)	TZM C-20	1.160	1.240	1.286	1.445	1.394	1.287	1.302	0	7.93
11)	S 1-Chlorooctadecane	1.087	1.167	1.211	1.310	1.301	1.288	1.227	0	7.24
12)	TZM C-22	1.146	1.251	1.294	1.401	1.365	1.282	1.290	0	6.95
13)	TZM C-24	0.999	1.219	1.235	1.377	1.347	1.251	1.238	0	10.77
14)	TZM C-26	0.897	1.133	1.184	1.311	1.208	1.147	1.147	0	12.01
15)	TZM C-28	0.701	0.966	1.045	1.149	1.115	1.062	1.006	0	16.14
16)	TZM C-30	0.584	0.821	0.931	1.078	1.043	0.979	0.906	0	20.07
[illegible])	TZM C-36	0.268	0.418	0.560	0.742	0.740	0.860	0.598	0	37.59
[illegible])	XH C19-C36 ✓	0.869	1.041	1.111	1.240	1.205	1.145	1.102	0	12.13

✓ PM 8/5/10

(#) = Out of Range

N10 8C5/10



R = 3.32e-002 A*A + 7.24e-001 A - 1.48e-001
Curve Fit: Quadratic

Method Name: D:\HPCHEM\1\METHODS\ALG80410.M
Calibration Table Last Updated: Thu Aug 05 08:16:42 2010

JON 8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71447SI.D Vial: 2
Acq On : 5 Aug 2010 2:18 am Operator: AR/NP
Sample : S9700 ALI 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N 080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6392677	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	694715	1.771 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	8.85%#
Target Compounds			
2) TZM C-9	4.24	1891193	4.764 ug/ml
3) TZM C-10	5.20	1931056	4.757 ug/ml
4) TZM C-12	6.66	1959344	4.494 ug/ml
5) TZM C-14	7.84	2056697	4.600 ug/ml
6) TZM C-16	8.86	1951643	4.522 ug/ml
7) TZM C-18	9.77	1921309	4.476 ug/ml
8) XH C9-C18	7.58	13597137	32.033 ug/ml
9) TZM C-19	10.20	1920131	4.522 ug/ml
10) TZM C-20	10.65	1853445	4.454 ug/ml
12) TZM C-22	11.68	1831839	4.443 ug/ml
13) TZM C-24	13.01	1596452	4.034 ug/ml
14) TZM C-26	14.50	1432921	3.910 ug/ml
15) TZM C-28	16.04	1119751	3.482 ug/ml
16) TZM C-30	17.55	933127	3.223 ug/ml
17) TZM C-36	21.63	428162	5.856 ug/ml
18) XH C19-C36	12.10	18819045	53.433 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

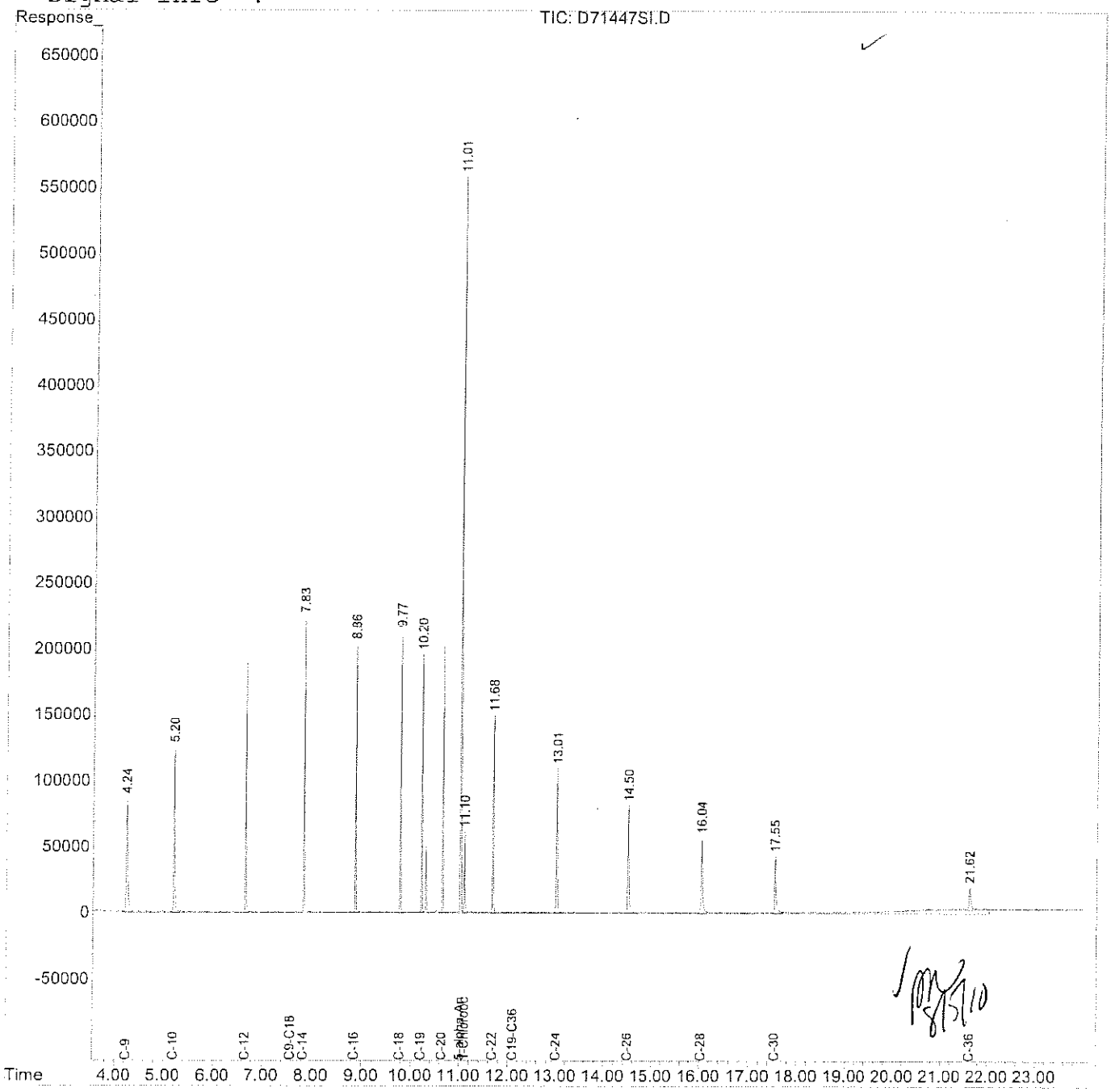
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71447SI.D
Acq On : 5 Aug 2010 2:18 am
Sample : S9700 ALI 5
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71448SI.D Vial: 3
Acq On : 5 Aug 2010 2:48 am Operator: AR/NP
Sample : S9701 ALI 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6336218	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	1479291	3.804 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	19.02%#
Target Compounds			
2) TZM C-9	4.24	3822700	9.716 ug/ml
3) TZM C-10	5.20	3938623	9.789 ug/ml
4) TZM C-12	6.66	4181325	9.677 ug/ml
5) TZM C-14	7.84	4233963	9.554 ug/ml
6) TZM C-16	8.86	4142955	9.685 ug/ml
7) TZM C-18	9.78	4088278	9.608 ug/ml
8) XH C9-C18	7.58	26462635	62.897 ug/ml
9) TZM C-19	10.20	4053948	9.632 ug/ml
10) TZM C-20	10.65	3929689	9.527 ug/ml
12) TZM C-22	11.68	3962671	9.698 ug/ml
13) TZM C-24	13.01	3863046	9.849 ug/ml
14) TZM C-26	14.50	3588388	9.878 ug/ml
15) TZM C-28	16.04	3060440	9.601 ug/ml
16) TZM C-30	17.55	2600258	9.060 ug/ml
17) TZM C-36	21.63	1322837	9.639 ug/ml
18) XH C19-C36	12.10	35862300	102.732 ug/ml

✓ pm 8/5/10

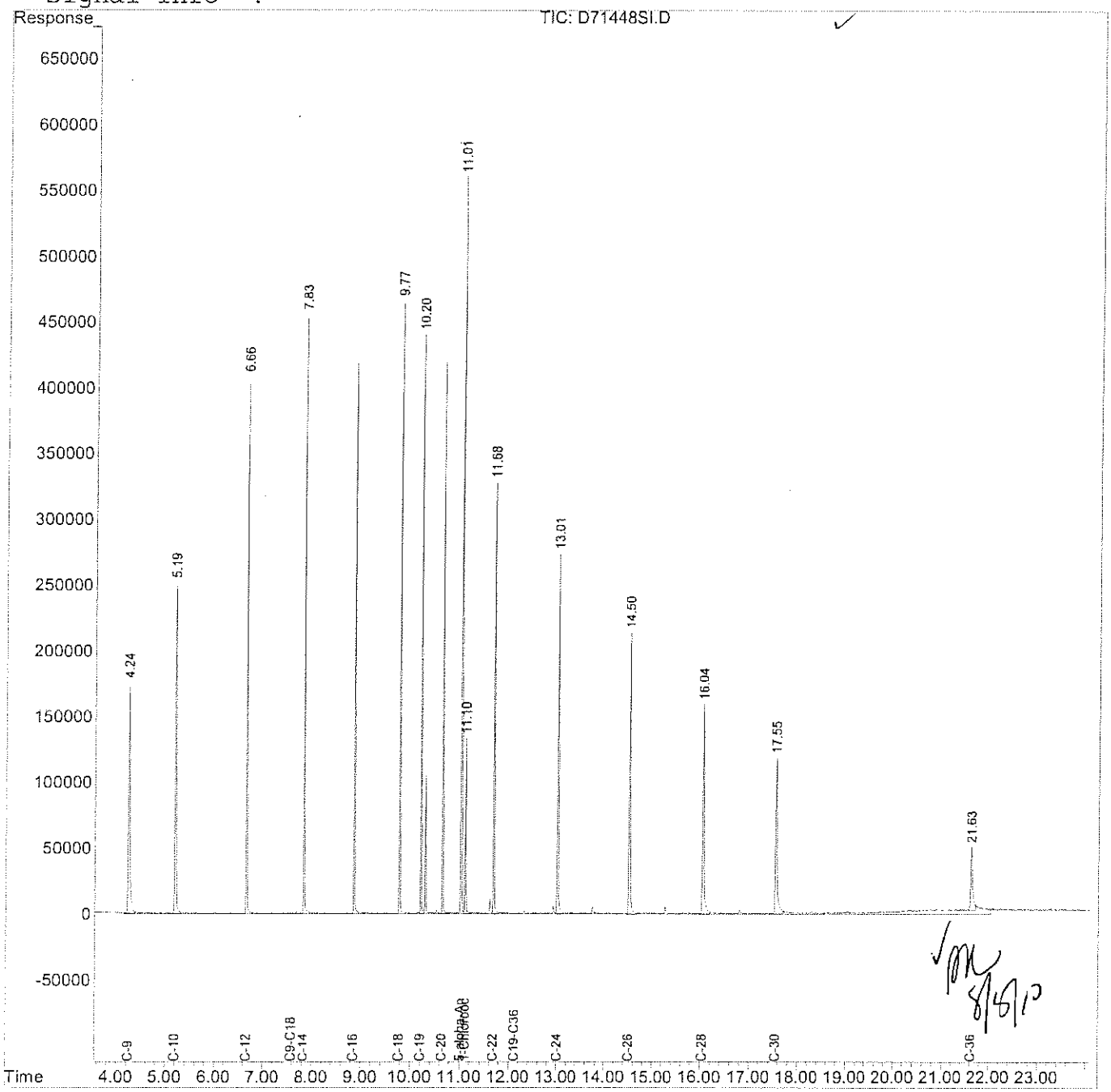
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71448SI.D Vial: 3
Acq On : 5 Aug 2010 2:48 am Operator: AR/NP
Sample : S9701 ALI 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration NP080410
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71449SI.D Vial: 4
Acq On : 5 Aug 2010 3:19 am Operator: AR/NP
Sample : S9702 ALI 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7097682	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	3438982	7.895 ug/ml
Spiked Amount 20.000 Range 40 - 140 Recovery = 39.48%#			
Target Compounds			
2) TZM C-9	4.24	8588165	19.486 ug/ml
3) TZM C-10	5.20	8746659	19.406 ug/ml
4) TZM C-12	6.66	9739787	20.122 ug/ml
5) TZM C-14	7.84	9764383	19.669 ug/ml
6) TZM C-16	8.86	9726068	20.297 ug/ml
7) TZM C-18	9.77	9590287	20.121 ug/ml
8) XH C9-C18	7.58	59053936	125.303 ug/ml
9) TZM C-19	10.20	9591604	20.344 ug/ml
10) TZM C-20	10.65	9128743	19.757 ug/ml
12) TZM C-22	11.68	9185337	20.067 ug/ml
13) TZM C-24	13.01	8763475	19.947 ug/ml
14) TZM C-26	14.50	8407095	20.660 ug/ml
15) TZM C-28	16.04	7415225	20.766 ug/ml
16) TZM C-30	17.55	6607521	20.553 ug/ml
17) TZM C-36	21.63	3975883	18.754 ug/ml
18) XH C19-C36	12.10	74373245	190.194 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

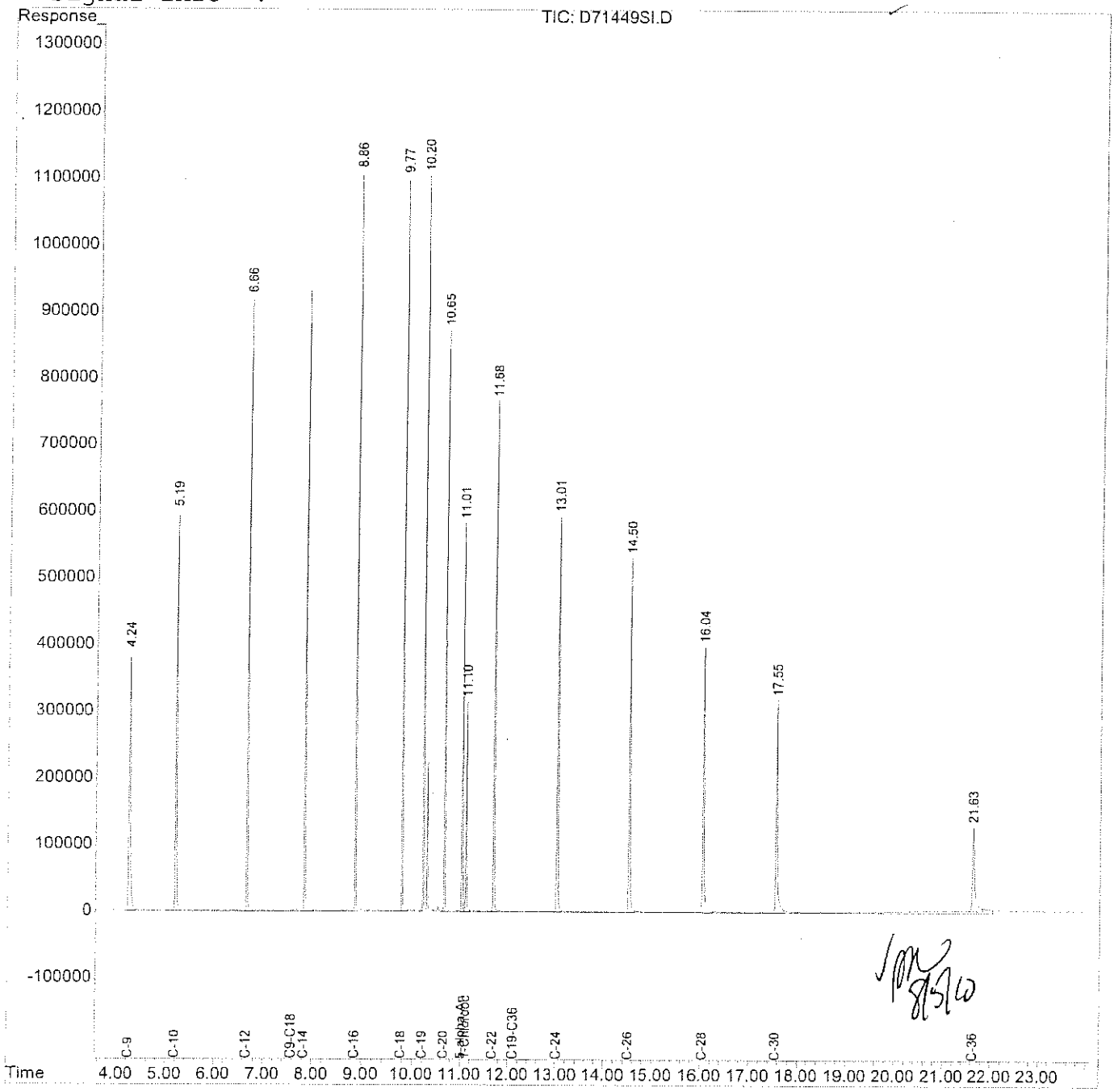
Data File : D:\HPCHEM\1\DATA\080410-D\D71449SI.D
Acq On : 5 Aug 2010 3:19 am
Sample : S9702 ALI 20
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 4
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

N080410

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D Vial: 5
Acq On : 5 Aug 2010 3:49 am Operator: AR/NP
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NM80410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6995121	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	7331733	17.080 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.40%
Target Compounds			
2) TZM C-9	4.24	18142546	41.768 ug/ml
3) TZM C-10	5.20	18581737	41.832 ug/ml
4) TZM C-12	6.66	20277452	42.507 ug/ml
5) TZM C-14	7.84	20955405	42.832 ug/ml
6) TZM C-16	8.86	19724958	41.766 ug/ml
7) TZM C-18	9.78	20294947	43.204 ug/ml
8) XH C9-C18	7.58	121466705	261.512 ug/ml
9) TZM C-19	10.21	19831232	42.680 ug/ml
10) TZM C-20	10.65	20212359	44.386 ug/ml
12) TZM C-22	11.68	19594057	43.434 ug/ml
13) TZM C-24	13.02	19266627	44.496 ug/ml
14) TZM C-26	14.51	18335389	45.718 ug/ml
15) TZM C-28	16.05	16077236	45.684 ug/ml
16) TZM C-30	17.56	15083647	47.606 ug/ml
17) TZM C-36	21.64	10386932	41.215 ug/ml
18) XH C19-C36	12.10	154317013	400.420 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

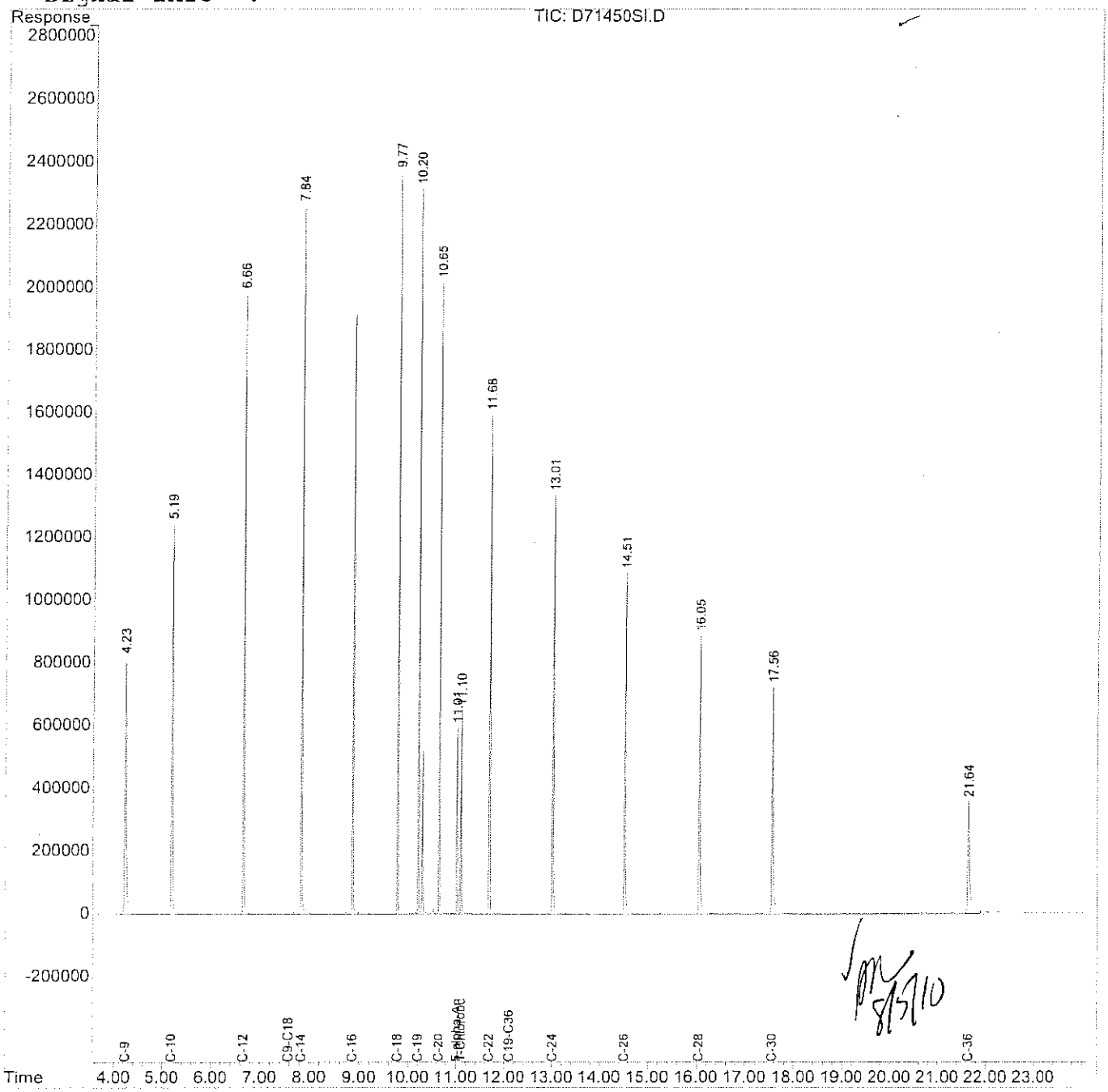
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D Vial: 5
Acq On : 5 Aug 2010 3:49 am Operator: AR/NP
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NP 8/5/10

Volume Inj. :
Signal Phase :
Signal Info :



pm 8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71451SI.D Vial: 6
Acq On : 5 Aug 2010 4:20 am Operator: AR/NP
Sample : S9704 ALI 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Np080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6719901	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.11	8740750	21.196 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery = 105.98%	
Target Compounds			
2) TZM C-9	4.23	21471611	51.457 ug/ml
3) TZM C-10	5.20	22257625	52.159 ug/ml
4) TZM C-12	6.66	23885748	52.122 ug/ml
5) TZM C-14	7.84	24969534	53.126 ug/ml
6) TZM C-16	8.86	23711711	52.264 ug/ml
7) TZM C-18	9.78	24100785	53.407 ug/ml
8) XH C9-C18	7.58	143898899	322.496 ug/ml
9) TZM C-19	10.21	23935439	53.622 ug/ml
10) TZM C-20	10.65	23417674	53.531 ug/ml
12) TZM C-22	11.69	22935371	52.923 ug/ml
13) TZM C-24	13.02	22630520	54.406 ug/ml
14) TZM C-26	14.51	20297682	52.684 ug/ml
15) TZM C-28	16.05	18730549	55.403 ug/ml
16) TZM C-30	17.56	17517785	57.553 ug/ml
17) TZM C-36	21.64	12428650	49.555 ug/ml
18) XH C19-C36	12.10	179826756	485.724 ug/ml

JM 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

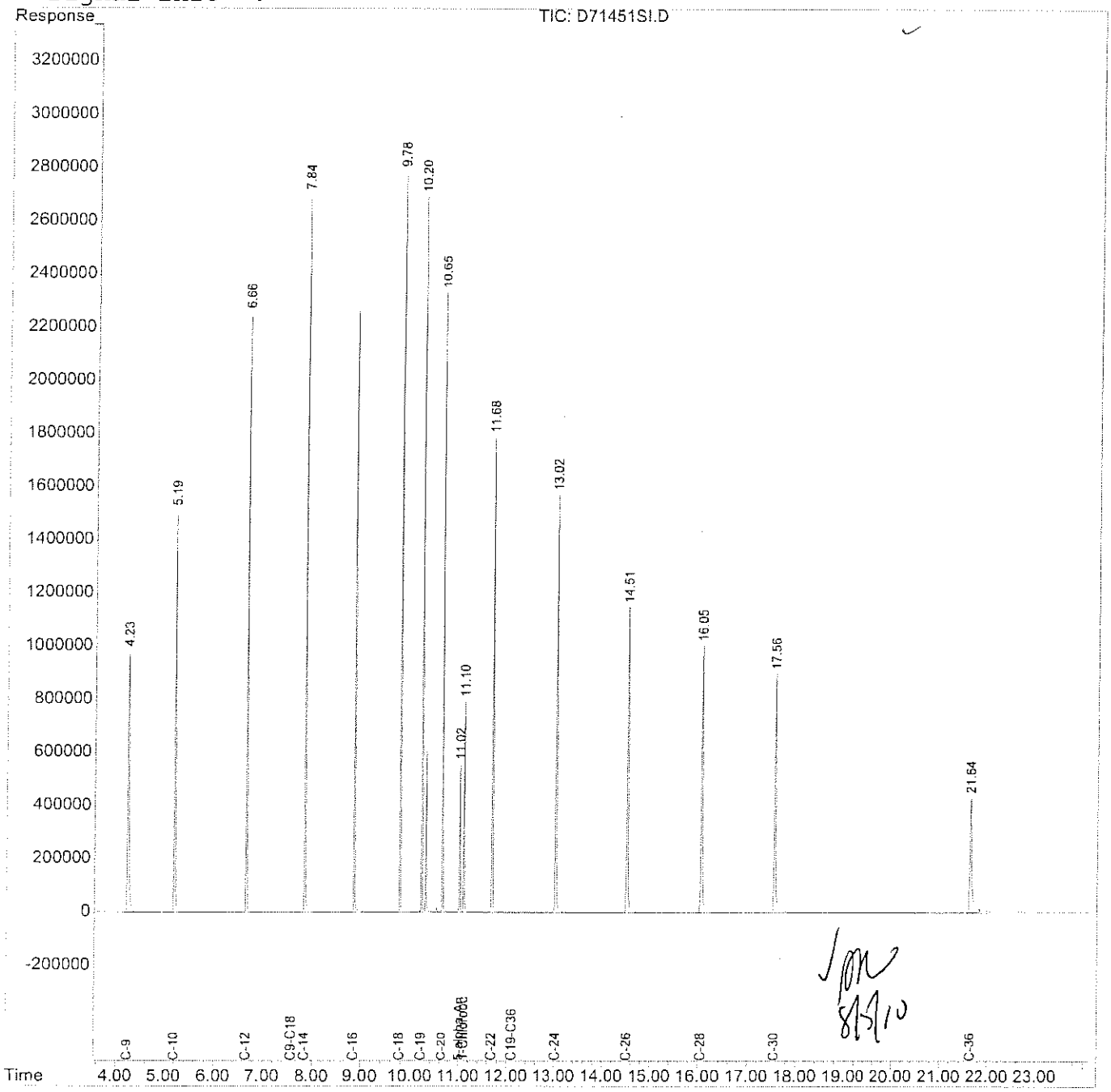
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71451SI.D Vial: 6
Acq On : 5 Aug 2010 4:20 am Operator: AR/NP
Sample : S9704 ALI 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

N 080410

Volume Inj. :
Signal Phase :
Signal Info :



JPN 8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71452SI.D
Acq On : 5 Aug 2010 4:50 am
Sample : S9705 ALI 100
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 7
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6944560	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.11	17886066	41.970 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	209.85%#
Target Compounds			
2) TZM C-9	4.24	44324733	102.789 ug/ml
3) TZM C-10	5.20	44561099	101.047 ug/ml
4) TZM C-12	6.67	48409664	102.219 ug/ml
5) TZM C-14	7.84	48952535	100.784 ug/ml
6) TZM C-16	8.87	47958211	102.288 ug/ml
7) TZM C-18	9.78	46158283	98.978 ug/ml
8) XH C9-C18	7.58	285737875	619.660 ug/ml
9) TZM C-19	10.21	45011659	97.577 ug/ml
10) TZM C-20	10.66	44684225	98.841 ug/ml
12) TZM C-22	11.69	44512571	99.390 ug/ml
13) TZM C-24	13.03	43429087	101.030 ug/ml
14) TZM C-26	14.52	39840863	100.065 ug/ml
15) TZM C-28	16.06	36863838	105.513 ug/ml
16) TZM C-30	17.57	33990751	108.060 ug/ml
17) TZM C-36	21.66	29861269	99.974 ug/ml
18) XH C19-C36	12.10	345902377	904.079 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

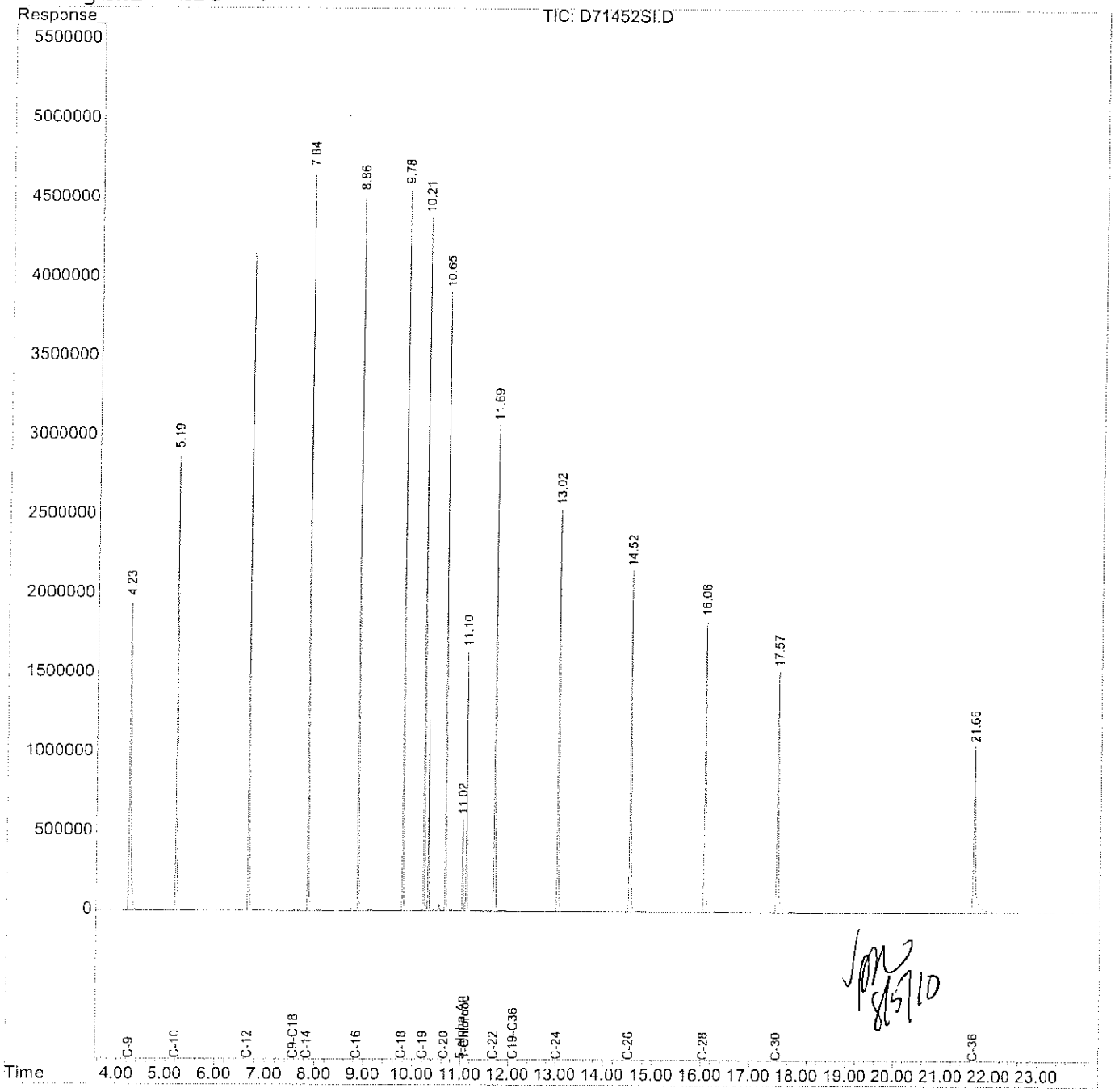
Data File : D:\HPCHEM\1\DATA\080410-D\D71452SI.D
Acq On : 5 Aug 2010 4:50 am
Sample : S9705 ALI 100
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 7
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NP 8/04/10

Volume Inj. :
Signal Phase :
Signal Info :



JPN 8/5/10

GC ALIPHATIC
2ND SOURCE CHECK

Data File Name D71453.D
Sample Name S9715 ALI 20 ICV
Date Acquired 8/5/2010 5:21

N080410

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
C-9	20.65	20	103%	OK	20.65		
C-10	21.26	20	106%	OK	21.26		
C-12	22.50	20	113%	OK	22.50		
C-14	21.19	20	106%	OK	21.19		
C-16	21.45	20	107%	OK	21.45		
C-18	20.57	20	103%	OK	20.57		
C9-C18		120			**127.62**	106%	OK
C-19	20.54	20	103%	OK	20.54		
C-20	21.18	20	106%	OK	21.18		
C-22	21.05	20	105%	OK	21.05		
C-24	20.76	20	104%	OK	20.76		
C-26	20.40	20	102%	OK	20.40		
C-28	21.22	20	106%	OK	21.22		
C-30	20.68	20	103%	OK	20.68		
C-36	18.98	20	95%	OK	18.98		
C19-C36		160			**164.81**	103%	OK
1-Chlorooctadecane	19.20	20	96%	OK			

JM 8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71453.D
Acq On : 5 Aug 2010 5:21 am
Sample : S9715 ALI 20 ICV
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 8
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP 8/4/10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6985246	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	8231904	19.204 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	96.02%
Target Compounds			
2) TZM C-9	4.22	8955604	20.647 ug/ml
3) TZM C-10	5.19	9430103	21.259 ug/ml
4) TZM C-12	6.66	10720219	22.504 ug/ml
5) TZM C-14	7.84	10353883	21.193 ug/ml
6) TZM C-16	8.86	10118153	21.455 ug/ml
7) TZM C-18	9.77	9647389	20.566 ug/ml
8) XH C9-C18	7.58	64711701	139.518 ug/ml
9) TZM C-19	10.20	9531821	20.543 ug/ml
10) TZM C-20	10.65	9632283	21.182 ug/ml
12) TZM C-22	11.68	9484344	21.054 ug/ml
13) TZM C-24	13.01	8975020	20.757 ug/ml
14) TZM C-26	14.51	8171275	20.404 ug/ml
15) TZM C-28	16.05	7456659	21.218 ug/ml
16) TZM C-30	17.55	6541762	20.676 ug/ml
17) TZM C-36	21.64	3973572	18.975 ug/ml
18) XH C19-C36	12.10	80336204	208.750 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

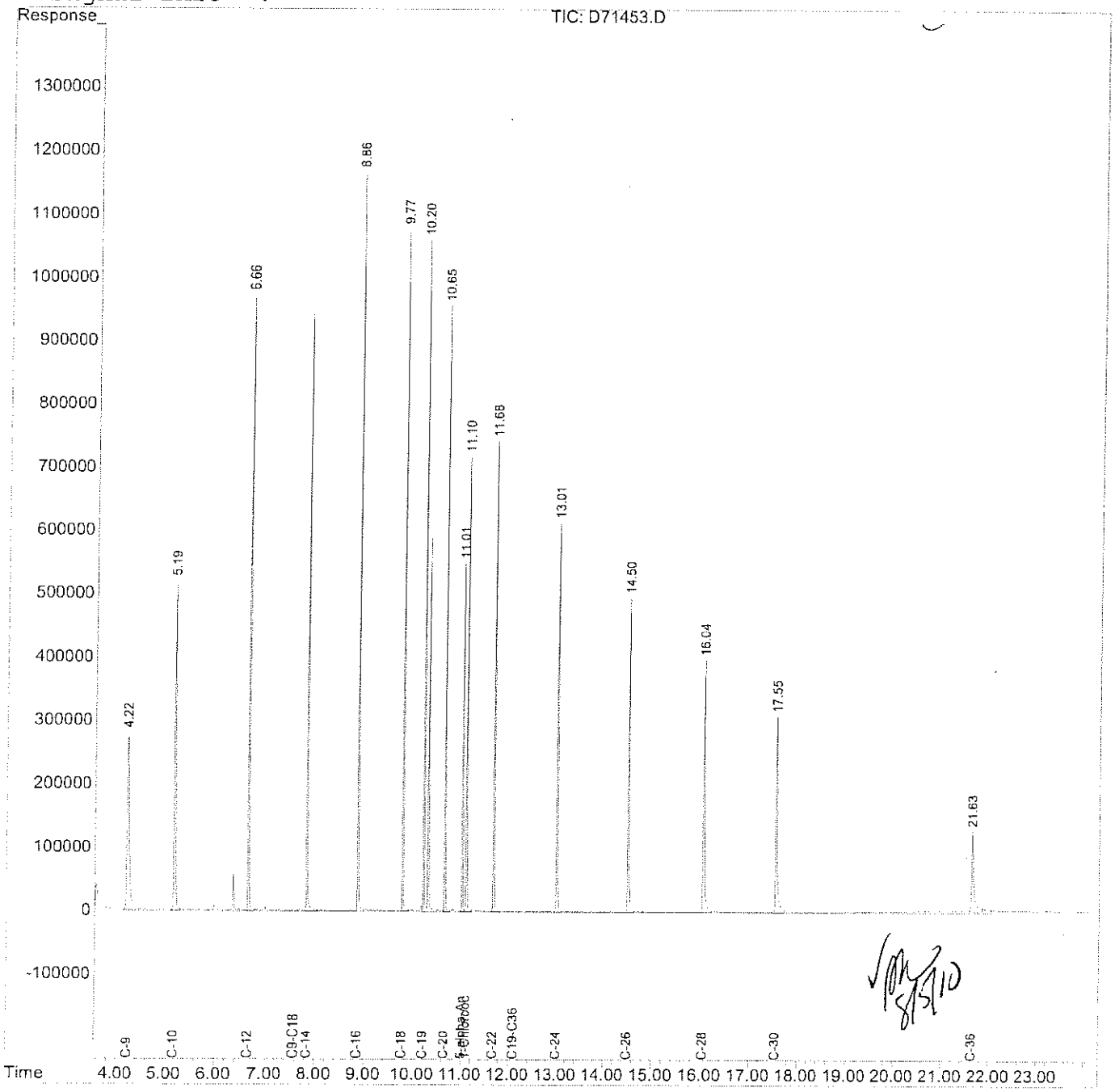
Data File : D:\HPCHEM\1\DATA\080410-D\D71453.D
Acq On : 5 Aug 2010 5:21 am
Sample : S9715 ALI 20 ICV
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 8
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

N080410

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Response Factor Report Instrument J

Method Path : C:\msdchem\1\METHODS\
Method File : ARMSIM81310.M
Title : EPH SIM MS AROMATICS
Last Update : Sat Aug 14 05:08:51 2010
Response Via : Initial Calibration

8/14/10

Calibration Files
0.1 =J35316SI.D 0.2 =J35317SI.D 1 =J35318SI.D 2 =J35319SI.D 5 =J35320SI.D 10 =J35321SI.D
20 =J35322SI.D

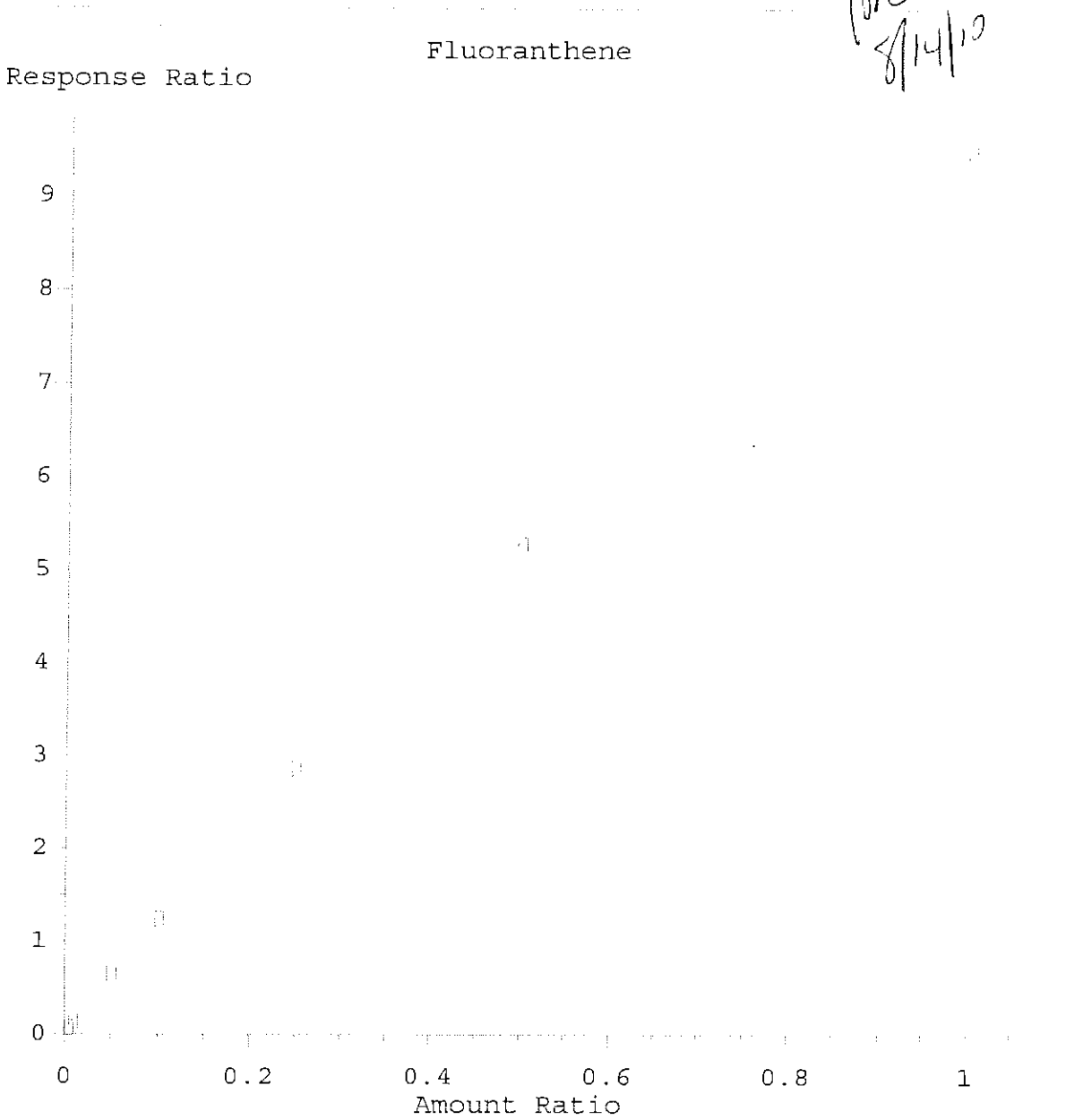
		Compound	0.1	0.2	1	2	5	10	20	Avg		%RSD
1)	I	5-alpha-Androstane	----------	----------	----------	ISTD	----------	----------	----------			
2)	TM	Naphthalene	9.396	9.067	9.059	8.805	8.549	8.282	7.632	8.684		6.80
3)	TM	2-Methylnaphth...	5.648	5.456	5.497	5.241	4.987	4.705	4.251	5.112		9.76
4)	TM	Acenaphthylene	9.232	9.825	8.987	8.725	8.402	8.496	8.489	8.879		5.78
5)	TM	Acenaphthene	6.619	6.286	6.140	5.904	5.599	5.315	5.002	5.838		9.73
6)	TM	Fluorene	8.478	7.922	7.710	7.448	7.080	6.673	6.159	7.353		10.66
7)	TM	Phenanthrene	1.218	1.140	1.128	1.088	1.023	0.944	0.862	1.058	E1	11.62
8)	TM	Anthracene	1.309	1.206	1.157	1.095	1.017	0.936	0.842	1.080	E1	14.92
9)	S	2-Fluorobiphenyl	----	----	7.708	7.517	7.324	7.156	6.732	7.287		5.12
10)	S	2-Bromonaphtha...	----	----	3.637	3.472	3.305	3.206	3.037	3.331		6.98
11)	S	o-terphenyl	----	----	6.536	6.203	5.932	5.664	5.334	5.934		7.84
12)	TM	Fluoranthene	1.515	1.368	1.312	1.244	1.146	1.056	0.947	1.227	E1	15.77 Q
13)	TM	Pyrene	1.625	1.462	1.363	1.289	1.188	1.095	0.986	1.287	E1	17.01 Q
14)	TM	Benzo[a]anthra...	1.266	1.181	1.123	1.081	1.023	0.955	0.884	1.073	E1	12.25
15)	TM	Chrysene	1.308	1.203	1.109	1.059	0.979	0.905	0.832	1.056	E1	15.76 Q
16)	TM	Benzo[b] fluor...	1.080	1.025	0.976	0.940	0.899	0.868	0.812	0.943	E1	9.80
17)	TM	Benzo[k] fluor...	1.180	1.085	1.012	0.976	0.914	0.845	0.788	0.972	E1	13.99
18)	TM	Benzo[a] pyrene	1.051	0.978	0.945	0.917	0.878	0.838	0.792	0.914	E1	9.57
19)	TM	Indeno [1,2,3-...	8.367	7.627	7.482	7.367	7.236	7.081	6.924	7.441		6.35
20)	TM	Dibenz [a,h] a...	8.186	7.437	7.325	7.113	6.885	6.702	6.415	7.152		8.07
21)	TM	Benzo(g,h,i) ...	1.011	0.911	0.849	0.826	0.793	0.762	0.722	0.839	E1	11.59
22)		c11-c22								0.000#		-1.00

(#) = Out of Range

J81510

8/14/10

Fluoranthene

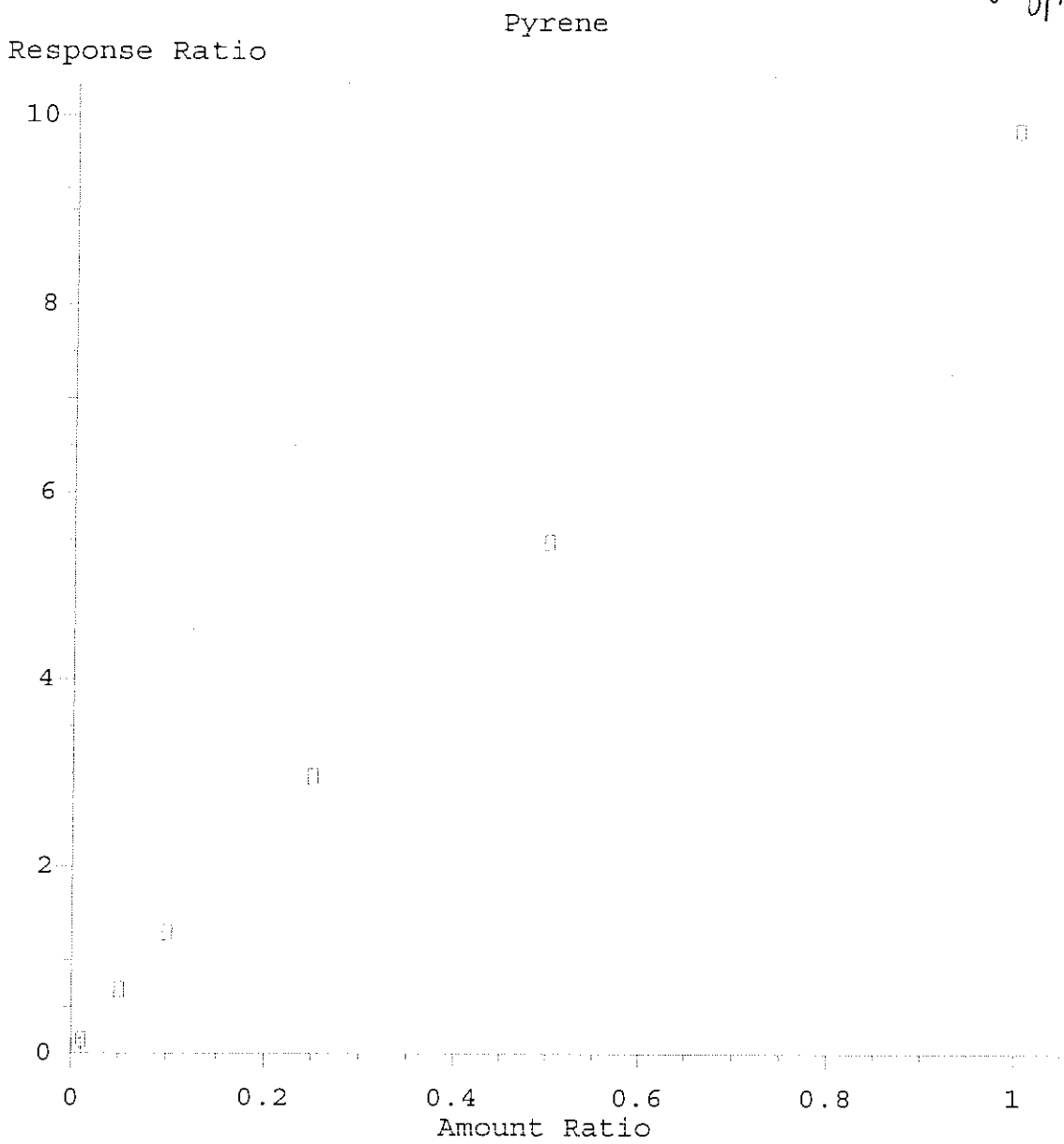


R = -2.27e+000 A*A + 1.17e+001 A + 5.29e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARMSIM81310.M
Calibration Table Last Updated: Sat Aug 14 06:15:35 2010

081520

8/14/10

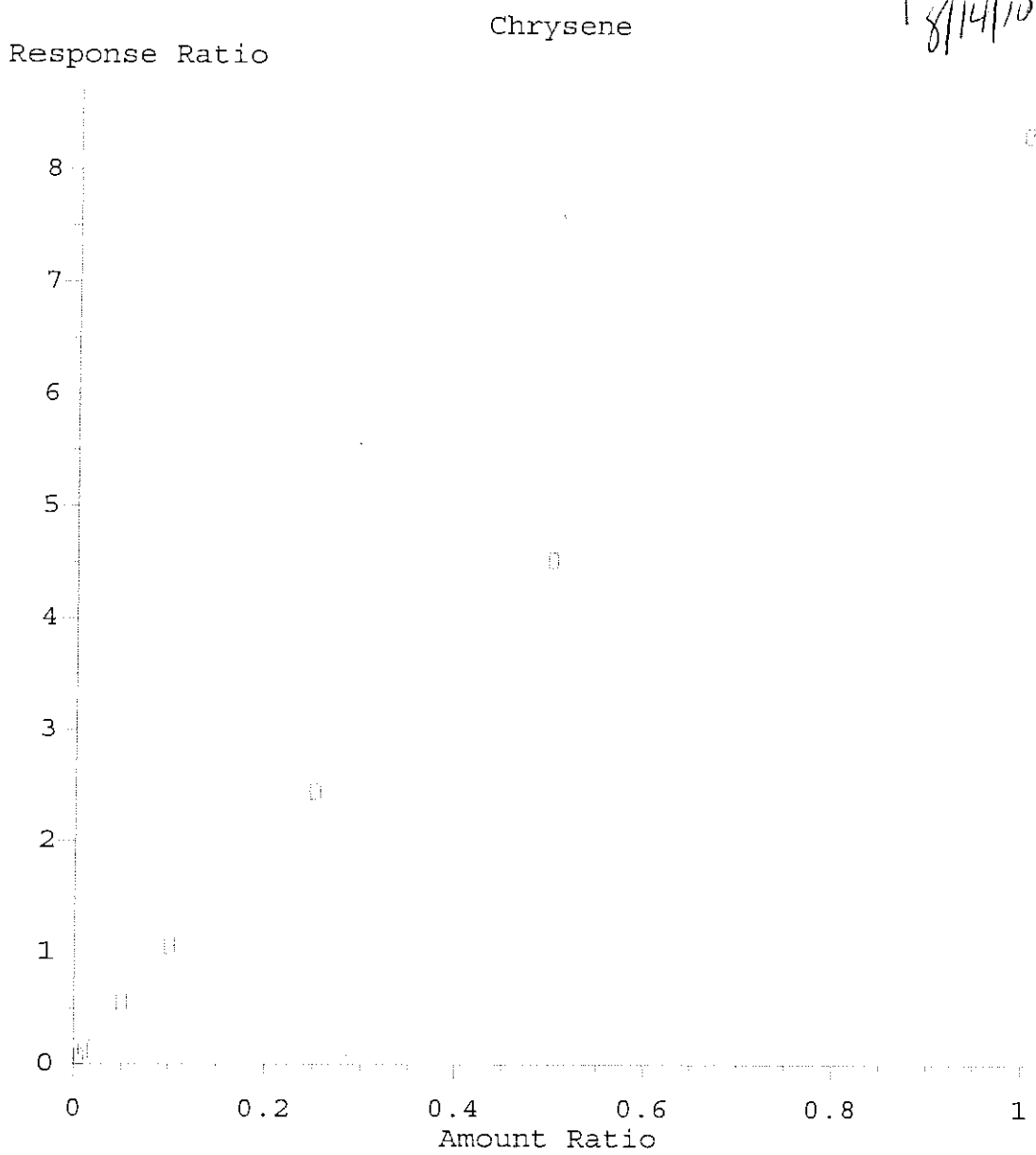


R = -2.27e+000 A*A + 1.21e+001 A + 5.85e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

081370

Method Name: C:\msdchem\1\METHODS\ARMSIM81310.M
Calibration Table Last Updated: Sat Aug 14 06:15:37 2010

8/14/10



R = -1.56e+000 A*A + 9.82e+000 A + 5.00e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARMSIM81310.M
Calibration Table Last Updated: Sat Aug 14 06:15:40 2010

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35319SI.D
Acq On : 14 Aug 2010 3:16 am
Operator : MG/ALR
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 05:09:23 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	99471	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	41175	1.29 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	6.45%#	
10) 2-Bromonaphthalene	6.080	206	19904	0.90 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	4.50%#	
11) o-terphenyl	7.601	230	25018	0.89 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	4.45%#	
Target Compounds					Qvalue
2) Naphthalene	4.680	128	82263	2.24 ug/ml	99
3) 2-Methylnaphthalene	5.244	141	49467	2.31 ug/ml	97
4) Acenaphthylene	5.967	152	92915	1.10 ug/ml	99
5) Acenaphthene	6.110	154	54819	2.33 ug/ml	100
6) Fluorene	6.525	166	69526	2.18 ug/ml	99
7) Phenanthrene	7.291	178	102013	2.25 ug/ml	99
8) Anthracene	7.334	178	100478	2.25 ug/ml	98
12) Fluoranthene	8.266	202	116148	2.16 ug/ml	98
13) Pyrene	8.467	202	120805	2.17 ug/ml	97
14) Benzo[a]anthracene	9.784	228	106767	2.22 ug/ml	99
15) Chrysene	9.828	228	103761	2.21 ug/ml	100
16) Benzo[b] fluoranthene	11.315	252	96311	2.31 ug/ml	99
17) Benzo[k] fluoranthene	11.356	252	93166	2.19 ug/ml	97
18) Benzo[a] pyrene	11.804	252	91265	2.30 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.572	276	75484	2.46 ug/ml	97
20) Dibenz [a,h] anthracene	13.648	278	76164	2.56 ug/ml	98
21) Benzo(g,h,i) perylene	13.981	276	82575	2.47 ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

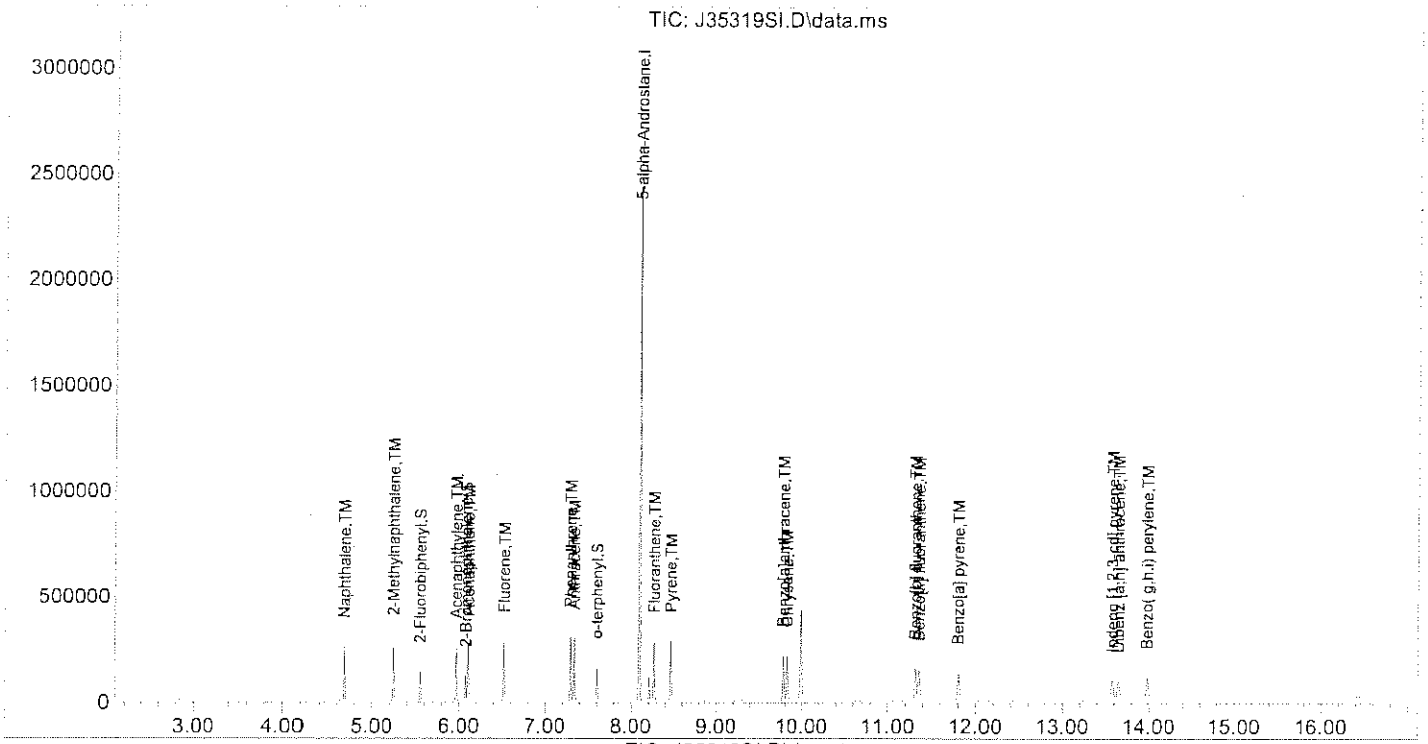
JE/570

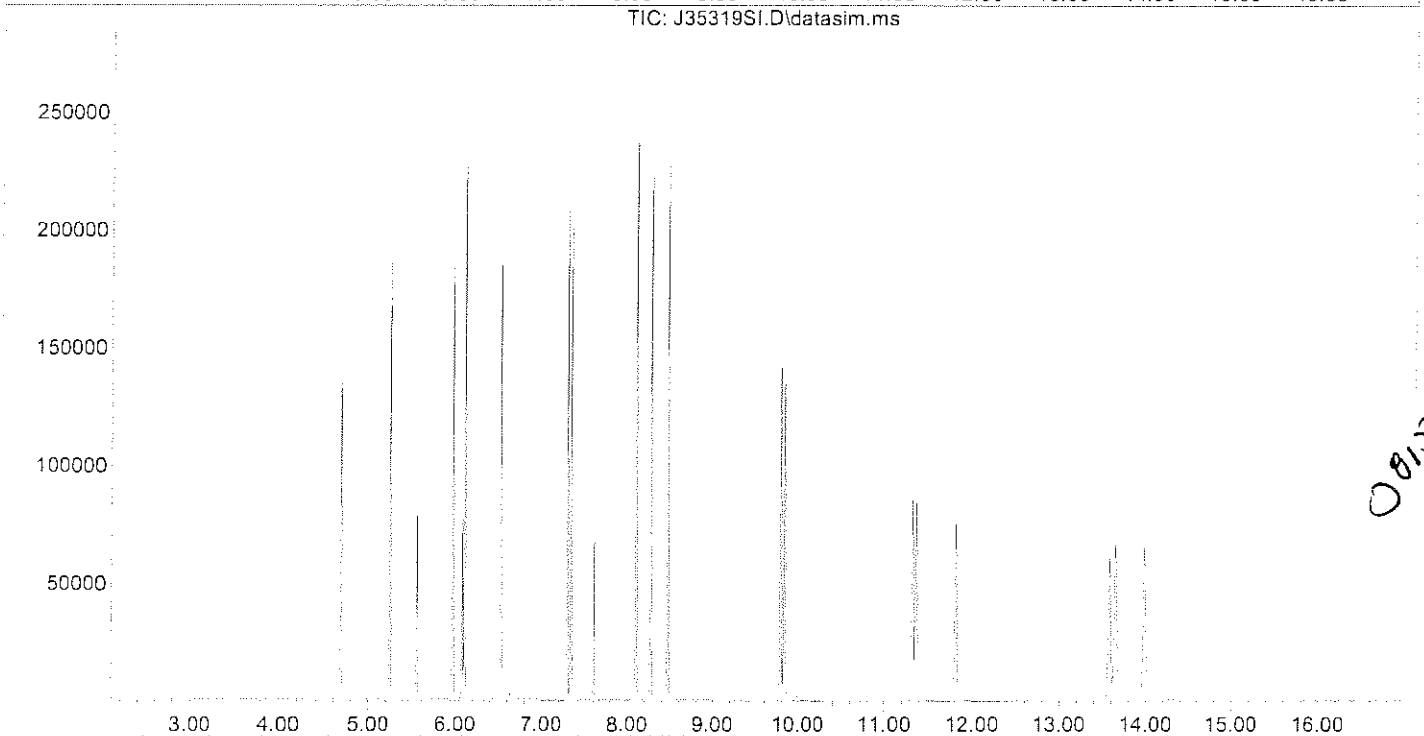
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35319SI.D
Acq On : 14 Aug 2010 3:16 am
Operator : MG/ALR
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 05:09:23 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10





081310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35320SI.D
Acq On : 14 Aug 2010 3:39 am
Operator : MG/ALR
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

MR 8/14/10

Quant Time: Aug 14 05:09:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	100114	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	101101	3.15 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 15.75%#		
10) 2-Bromonaphthalene	6.080	206	45667	3.56 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 17.80%#		
11) o-terphenyl	7.601	230	58781	2.07 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 10.35%#		
Target Compounds					Qvalue
2) Naphthalene	4.680	128	198851	5.38 ug/ml	100
3) 2-Methylnaphthalene	5.244	141	117775	5.46 ug/ml	96
4) Acenaphthylene	5.967	152	219760	5.78 ug/ml	100
5) Acenaphthene	6.110	154	127744	5.40 ug/ml	99
6) Fluorene	6.525	166	162501	5.07 ug/ml	99
7) Phenanthrene	7.296	178	240449	5.26 ug/ml	99
8) Anthracene	7.334	178	237141	5.28 ug/ml	99
12) Fluoranthene	8.266	202	275358	5.10 ug/ml	98
13) Pyrene	8.467	202	284364	5.08 ug/ml	97
14) Benzo[a]anthracene	9.784	228	254451	5.27 ug/ml	100
15) Chrysene	9.831	228	243298	5.15 ug/ml	99
16) Benzo[b] fluoranthene	✓11.315	252	222321	5.31 ug/ml	99
17) Benzo[k] fluoranthene	11.360	252	225808	5.26 ug/ml	99
18) Benzo[a] pyrene	11.808	252	217732	5.46 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.580	276	181095	5.86 ug/ml	99
20) Dibenz [a,h] anthracene	13.652	278	179483	5.99 ug/ml	99
21) Benzo(g,h,i) perylene	13.989	276	202119	6.02 ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

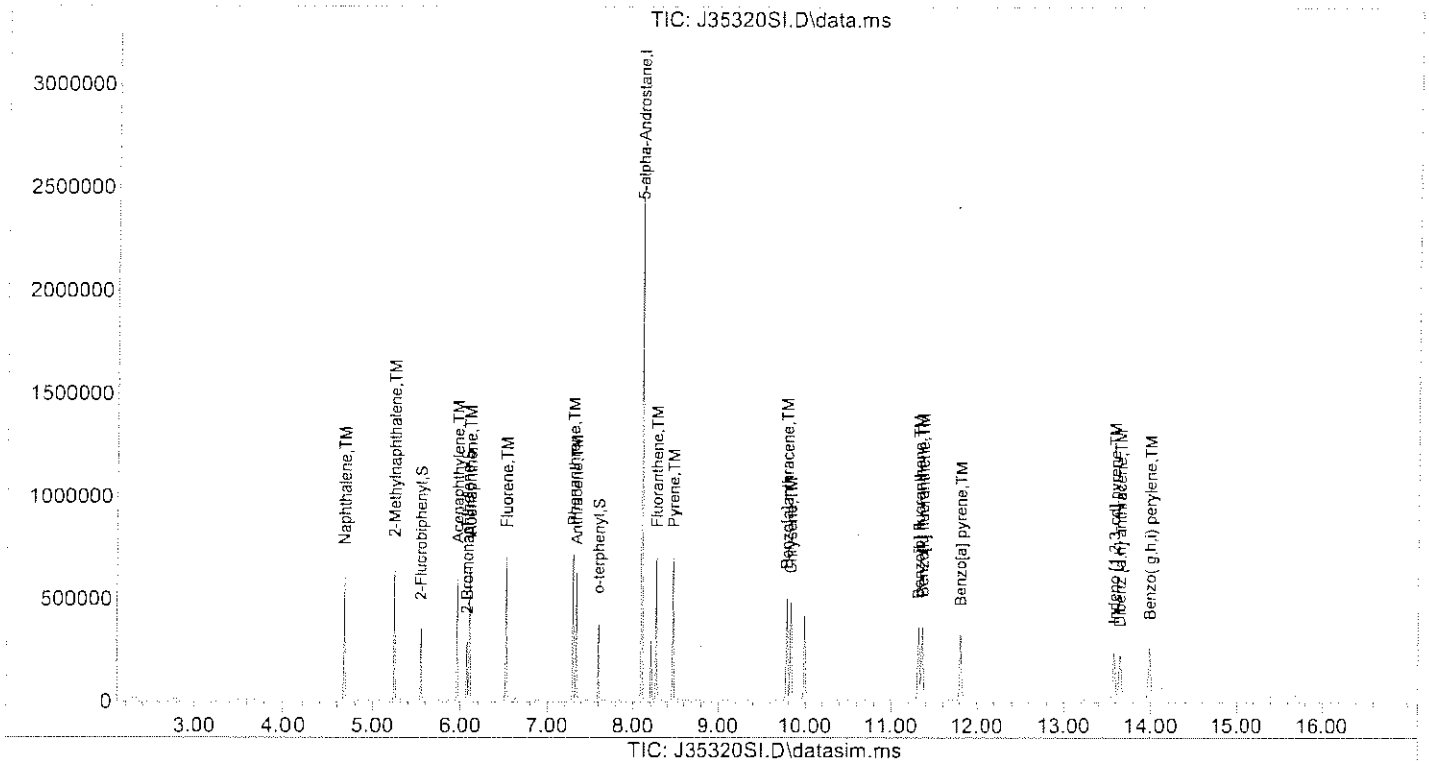
30570

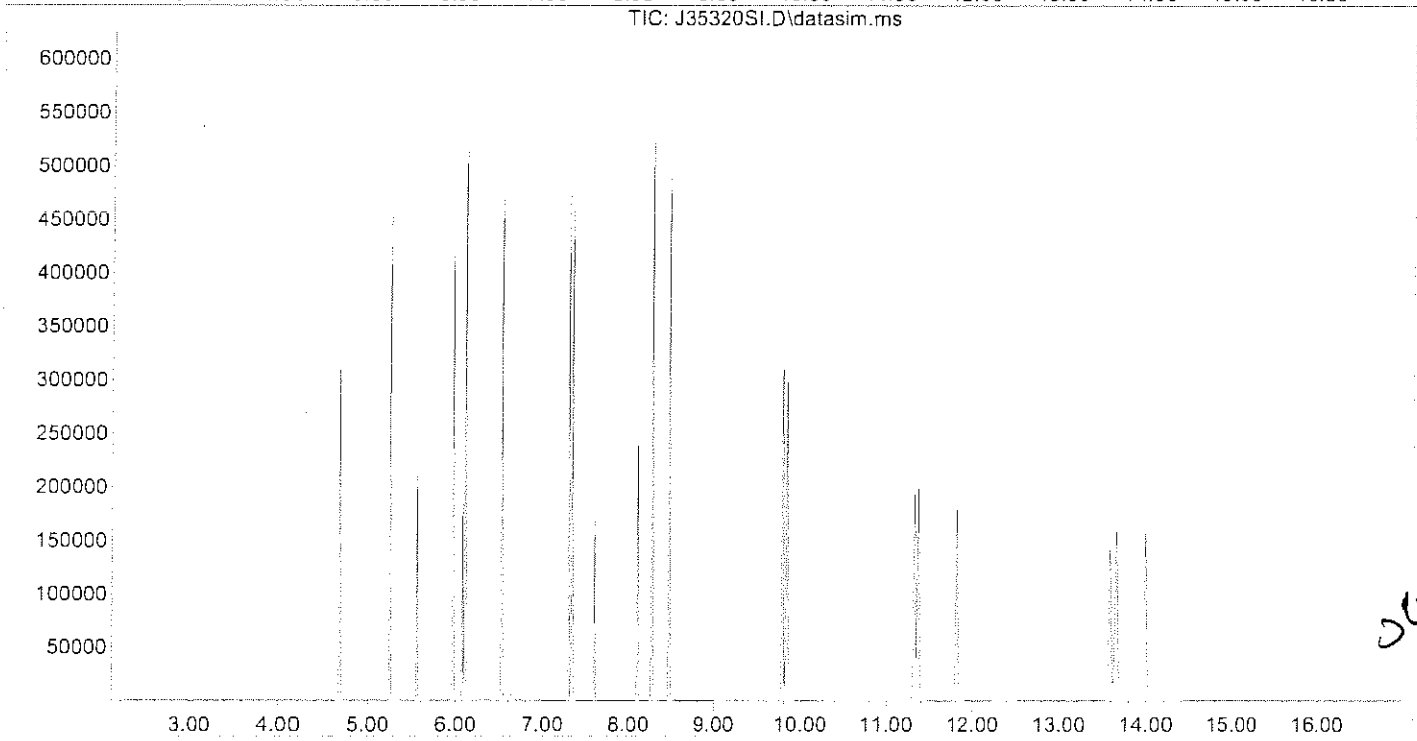
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35320SI.D
Acq On : 14 Aug 2010 3:39 am
Operator : MG/ALR
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 14 05:09:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10





J61320

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35321SI.D
Acq On : 14 Aug 2010 4:02 am
Operator : MG/ALR
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

8/14/10

Quant Time: Aug 14 05:09:25 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	96829	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	197336	6.35 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 31.75%#		
10) 2-Bromonaphthalene	6.080	206	88816	8.08 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 40.40%		
11) o-terphenyl	7.601	230	112178	4.09 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 20.45%#		
Target Compounds					Qvalue
2) Naphthalene	4.680	128	400250	11.20 ug/ml	100
3) 2-Methylnaphthalene	5.244	141	228985	10.97 ug/ml	97
4) Acenaphthylene	5.967	152	433916	13.74 ug/ml	99
5) Acenaphthene	6.110	154	247908	10.84 ug/ml	99
6) Fluorene	6.525	166	315288	10.17 ug/ml	99
7) Phenanthrene	7.296	178	467555	10.58 ug/ml	100
8) Anthracene	7.338	178	453773	10.44 ug/ml	99
12) Fluoranthene	8.266	202	531026	10.16 ug/ml	98
13) Pyrene	8.467	202	549863	10.15 ug/ml	98
14) Benzo[a]anthracene	9.787	228	487075	10.43 ug/ml	100
15) Chrysene	9.835	228	465028	10.17 ug/ml	99
16) Benzo[b] fluoranthene	✓11.322	252	438303	10.82 ug/ml	100
17) Benzo[k] fluoranthene	✓11.367	252	436955	10.53 ug/ml	100
18) Benzo[a] pyrene	11.815	252	419196	10.87 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.588	276	355549	11.89 ug/ml	99
20) Dibenz [a,h] anthracene	13.656	278	350430	12.08 ug/ml	99
21) Benzo(g,h,i) perylene	13.996	276	380472	11.71 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

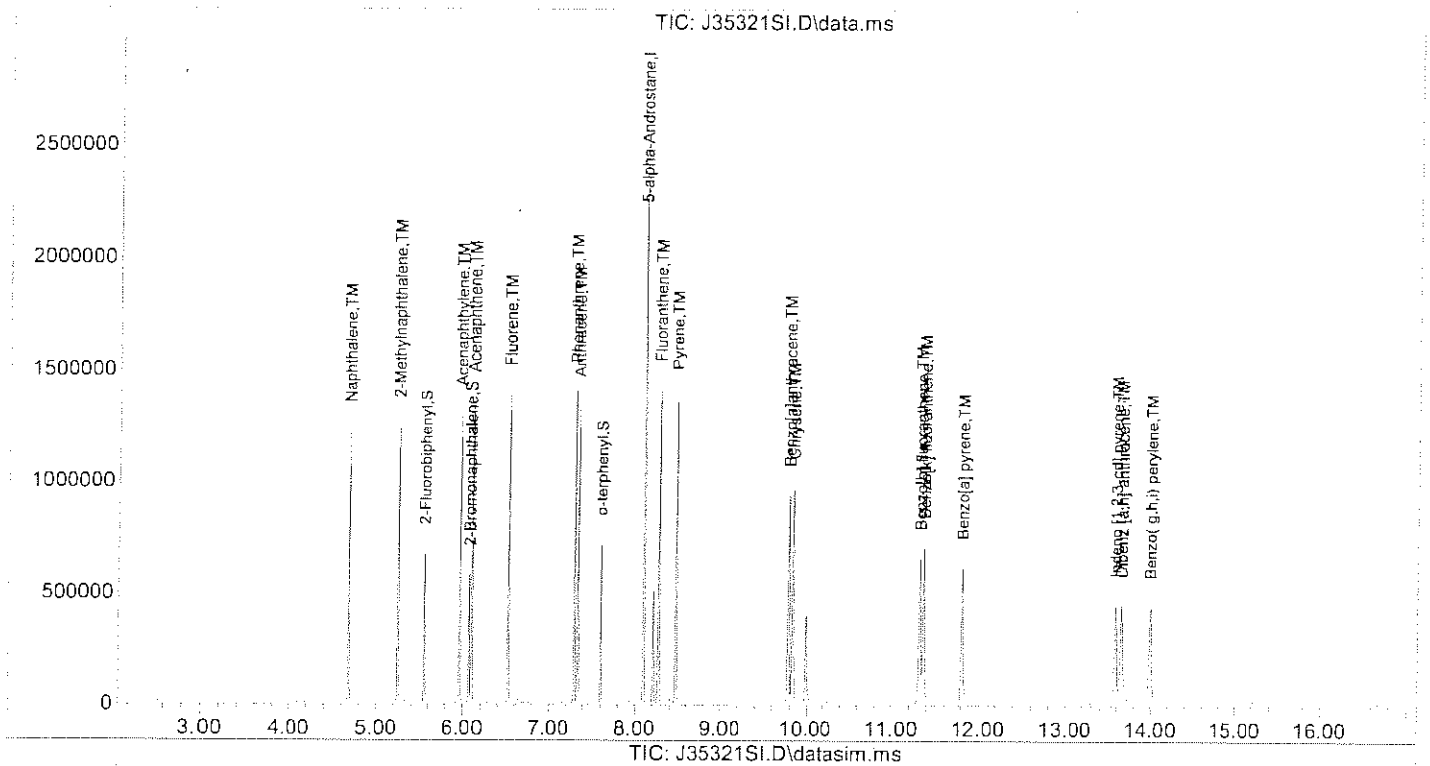
08/13/10

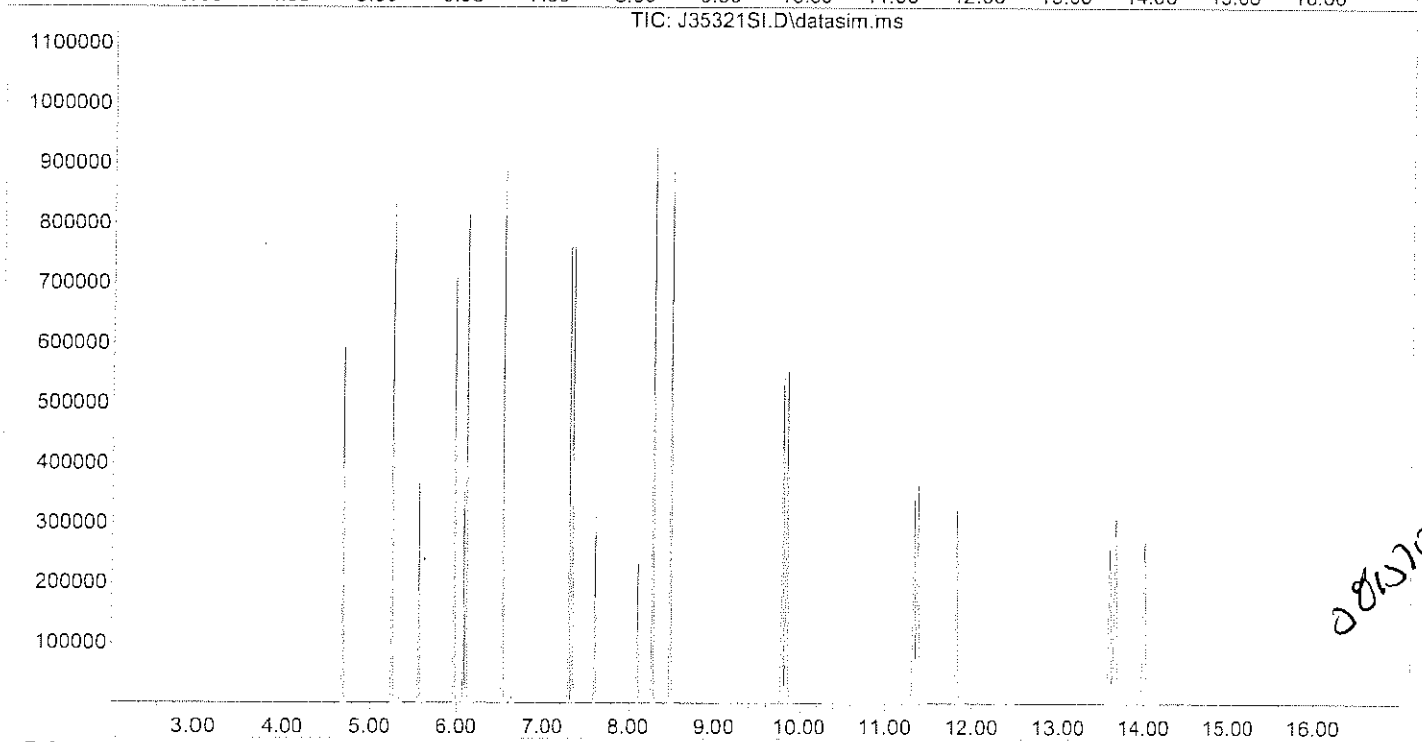
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35321SI.D
Acq On : 14 Aug 2010 4:02 am
Operator : MG/ALR
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 05:09:25 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

AK 8/14/10





081310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35322SI.D
Acq On : 14 Aug 2010 4:25 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 05:09:26 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	103378	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	417011	12.57 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 62.85%		
10) 2-Bromonaphthalene	6.080	206	188855	16.16 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 80.80%		
11) o-terphenyl	7.601	230	238005	8.13 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 40.65%		
Target Compounds					Qvalue
2) Naphthalene	4.680	128	849188	22.26 ug/ml	100
3) 2-Methylnaphthalene	5.249	141	496746	22.29 ug/ml	98
4) Acenaphthylene	5.967	152	920399	27.67 ug/ml	100
5) Acenaphthene	6.110	154	536975	22.00 ug/ml	100
6) Fluorene	6.531	166	693844	20.97 ug/ml	99
7) Phenanthrene	7.296	178	996764	21.12 ug/ml	100
8) Anthracene	7.338	178	988889	21.31 ug/ml	100
12) Fluoranthene	8.270	202	1146891	20.56 ug/ml	99
13) Pyrene	8.472	202	1183861	20.48 ug/ml	99
14) Benzo[a]anthracene	9.794	228	1047517	21.00 ug/ml	100
15) Chrysene	9.841	228	999331	20.48 ug/ml	100
16) Benzo[b] fluoranthene	11.332	252	925359	21.39 ug/ml	100
17) Benzo[k] fluoranthene	11.380	252	930859	21.01 ug/ml	99
18) Benzo[a] pyrene	11.825	252	904502	21.98 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.604	276	766343	24.01 ug/ml	99
20) Dibenz [a,h] anthracene	13.671	278	745690	24.09 ug/ml	99
21) Benzo(g,h,i) perylene	14.016	276	802160	23.13 ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

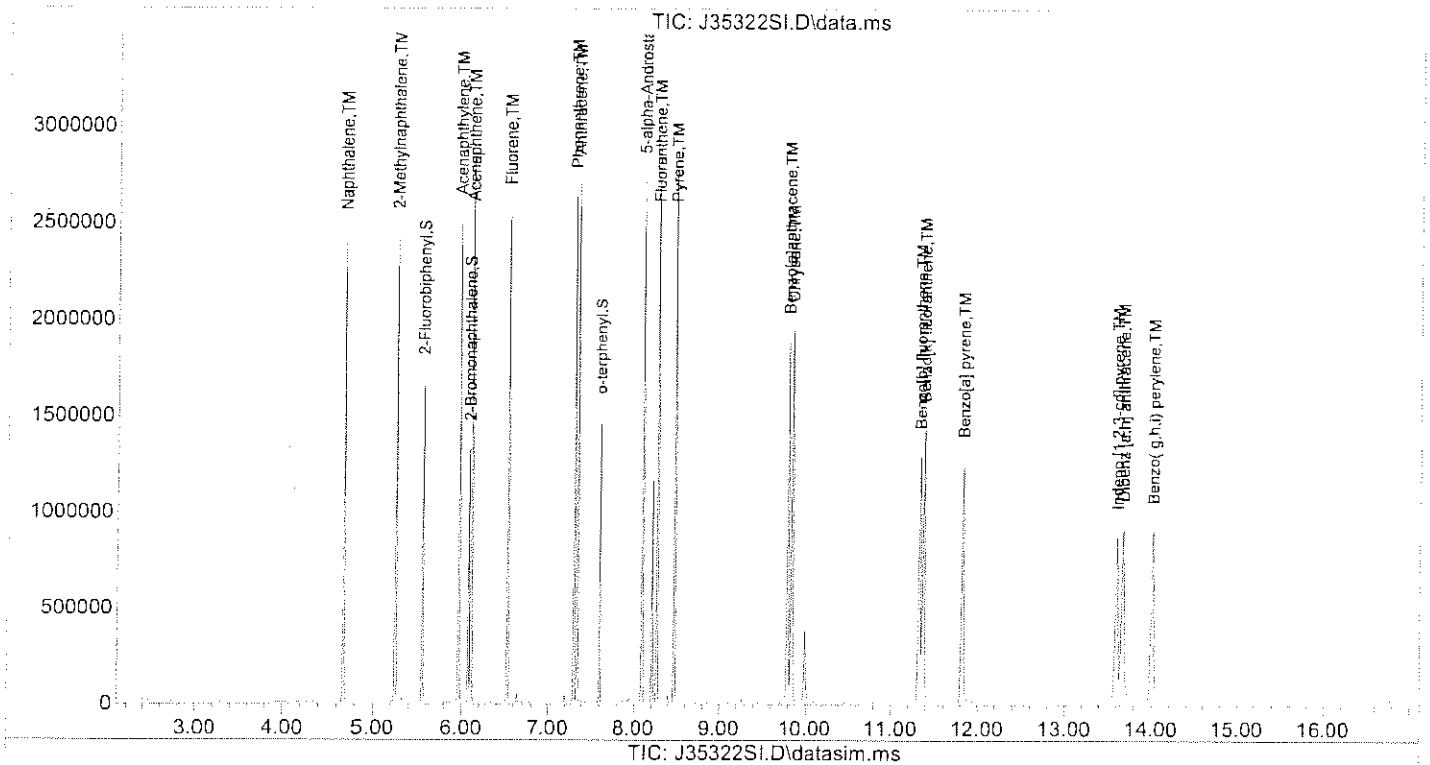
081310

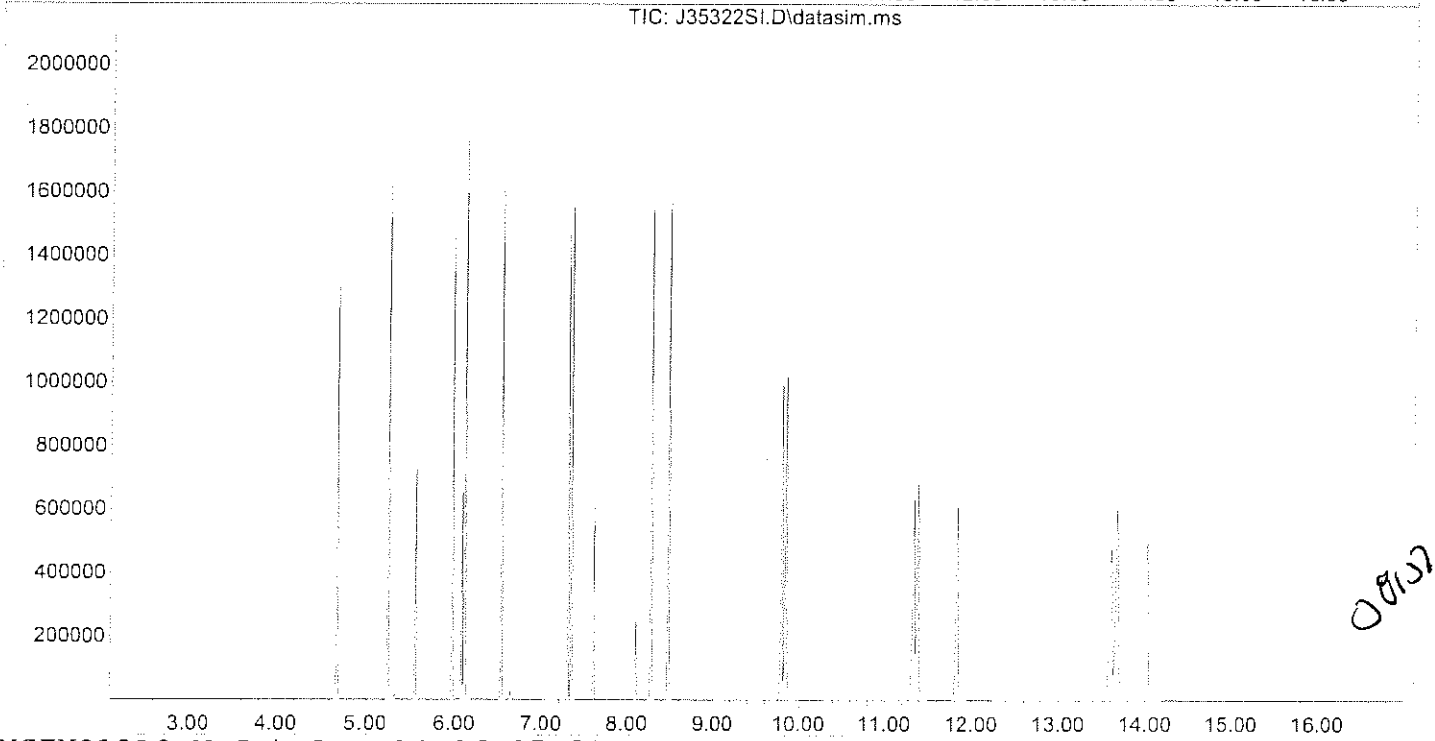
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35322SI.D
Acq On : 14 Aug 2010 4:25 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 05:09:26 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10





081370

SIM MS AROMATIC
2ND SOURCE
CHECK

Data File Name J35326.D
Sample Name S9717 ARO 2 ICV
Date Acquired 8/14/2010 5:56

8/14/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	2.03	2	101%	OK
2-Methylnaphthalene	2.02	2	101%	OK
Acenaphthylene	1.88	2	94%	OK
Acenaphthene	2.03	2	102%	OK
Fluorene	1.94	2	97%	OK
Phenanthrene	2.00	2	100%	OK
Anthracene	1.99	2	99%	OK
o-terphenyl	1.96	2	98%	OK
Fluoranthene	2.02	2	101%	OK
Pyrene	1.98	2	99%	OK
Benzo[a]anthracene	1.84	2	92%	OK
Chrysene	2.00	2	100%	OK
Benzo[b] fluoranthene	1.81	2	91%	OK
Benzo[k] fluoranthene	1.88	2	94%	OK
Benzo[a] pyrene	1.91	2	96%	OK
Indeno [1,2,3-cd] pyrene	1.82	2	91%	OK
Dibenz [a,h] anthracene	1.84	2	92%	OK
Benzo(g,h,i) perylene	1.82	2	91%	OK

081370

8/14/2010 6:15 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARM SIM ICV PRCT.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35326.D
Acq On : 14 Aug 2010 5:56 am
Operator : MG/ALR
Sample : S9717 ARO 2 ICV
Misc :
ALS Vial : 12 Sample Multiplier: 1

OK 8/14/10

Quant Time: Aug 14 06:14:22 2010
Quant Method : C:\msdchem\1\METHODS\ARMSIM81310.M
Quant Title : EPH SIM MS AROMATICS
QLast Update : Sat Aug 14 05:08:51 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.095	95	99655	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.555	172	33	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
10) 2-Bromonaphthalene	6.077	206	22	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
11) o-terphenyl	7.603	230	57840	1.96 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 9.80%#	
Target Compounds					Qvalue
2) Naphthalene	4.677	128	87738	2.03 ug/ml	99
3) 2-Methylnaphthalene	5.246	141	51545	2.02 ug/ml	95
4) Acenaphthylene	5.968	152	82973	1.88 ug/ml	97
5) Acenaphthene	6.107	154	59171	2.03 ug/ml	94
6) Fluorene	6.528	166	70998	1.94 ug/ml	94
7) Phenanthrene	7.294	178	105498	2.00 ug/ml	98
8) Anthracene	7.336	178	107069	1.99 ug/ml	98
12) Fluoranthene	8.264	202	120574	2.02 ug/ml	97
13) Pyrene	8.465	202	122642	1.98 ug/ml	98
14) Benzo[a]anthracene	9.783	228	98321	1.84 ug/ml	99
15) Chrysene	9.831	228	101396	2.00 ug/ml	99
16) Benzo[b] fluoranthene	11.315	252	85133	1.81 ug/ml	99
17) Benzo[k] fluoranthene	11.356	252	91114	1.88 ug/ml	99
18) Benzo[a] pyrene	11.804	252	87026	1.91 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.575	276	67596	1.82 ug/ml	99
20) Dibenz [a,h] anthracene	13.646	278	65578	1.84 ug/ml	100
21) Benzo(g,h,i) perylene	13.979	276	76103	1.82 ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

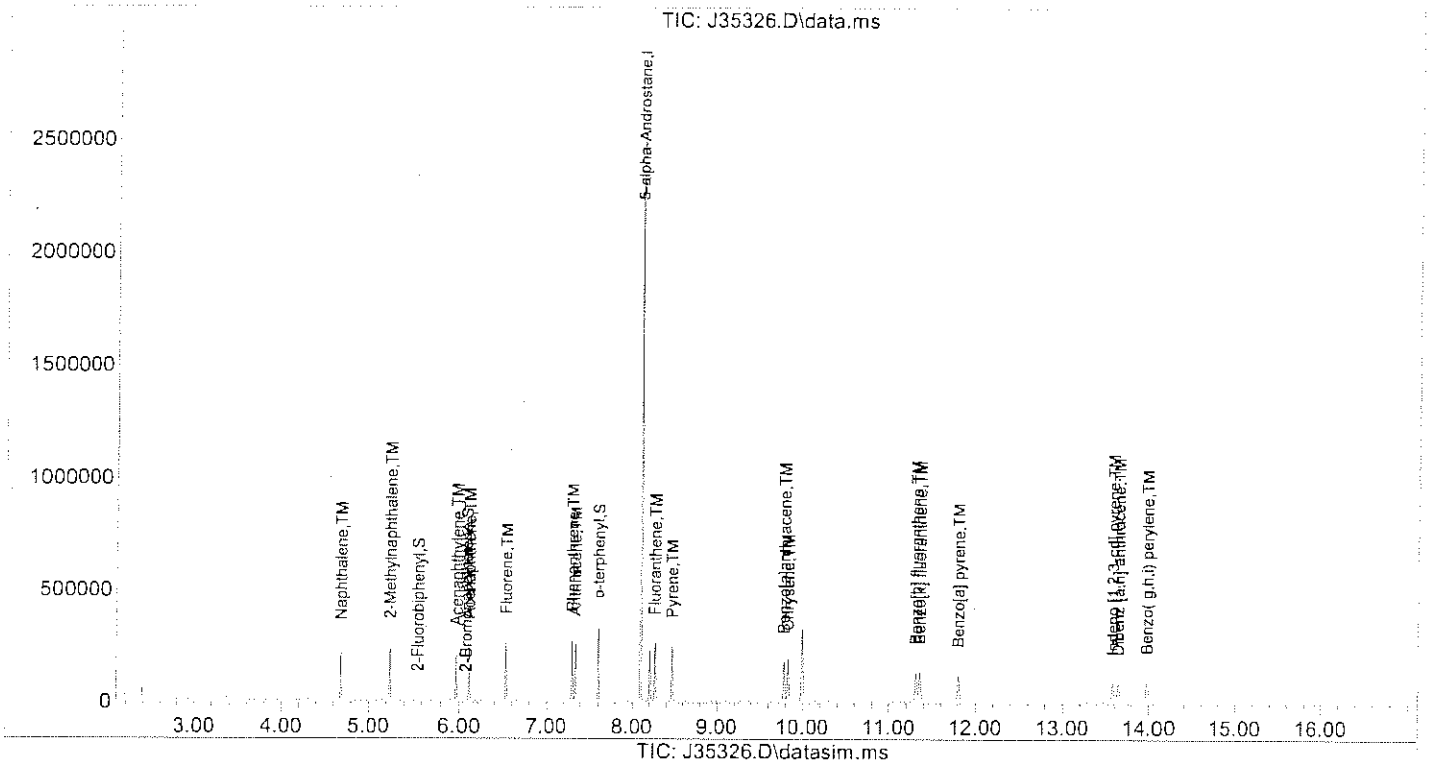
2E570

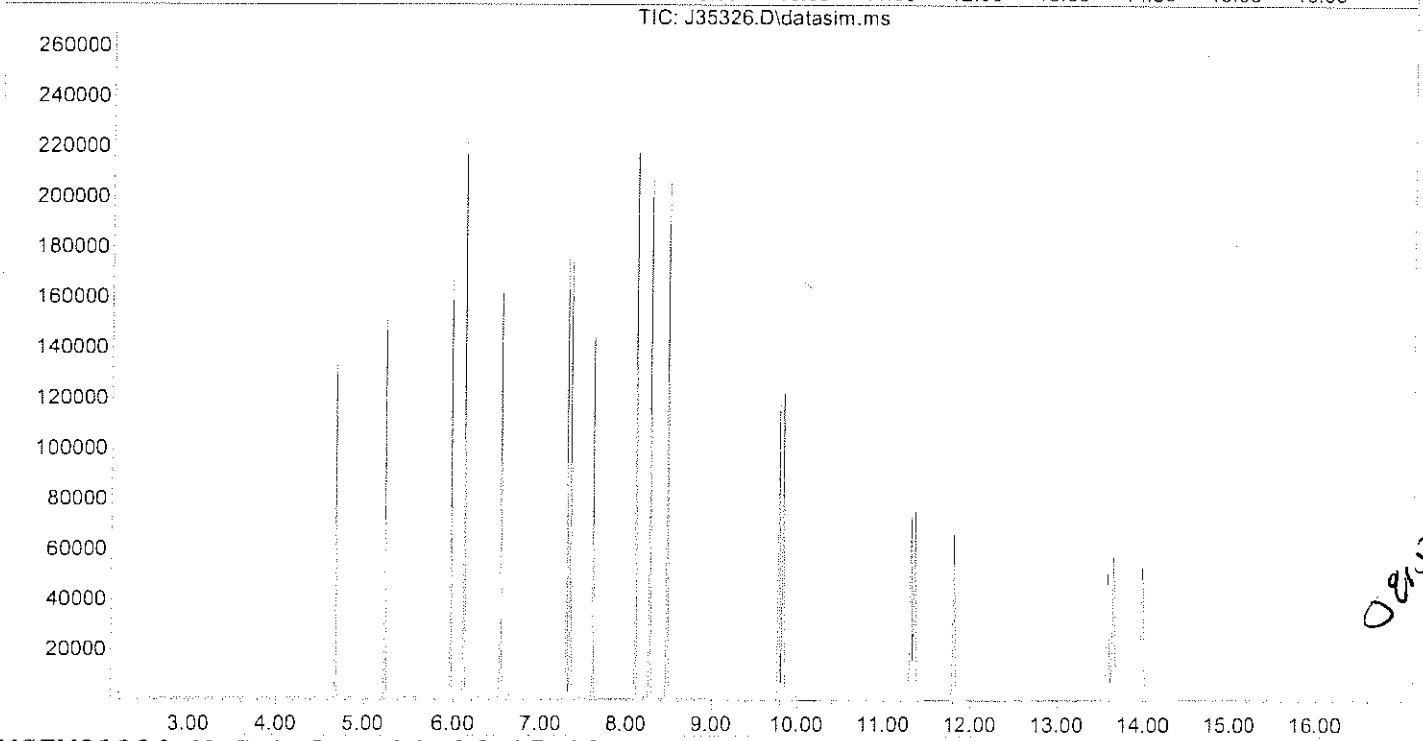
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35326.D
Acq On : 14 Aug 2010 5:56 am
Operator : MG/ALR
Sample : S9717 ARO 2 ICV
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 14 06:14:22 2010
Quant Method : C:\msdchem\1\METHODS\ARMSIM81310.M
Quant Title : EPH SIM MS AROMATICS
QLast Update : Sat Aug 14 05:08:51 2010
Response via : Initial Calibration

8/14/10





08130

Response Factor Report Instrument J

Method Path : C:\msdchem\1\METHODS\
Method File : ARM081310.M
Title : EPH MS AROMATICS
Last Update : Sat Aug 14 05:34:39 2010
Response Via : Initial Calibration

8/14/10

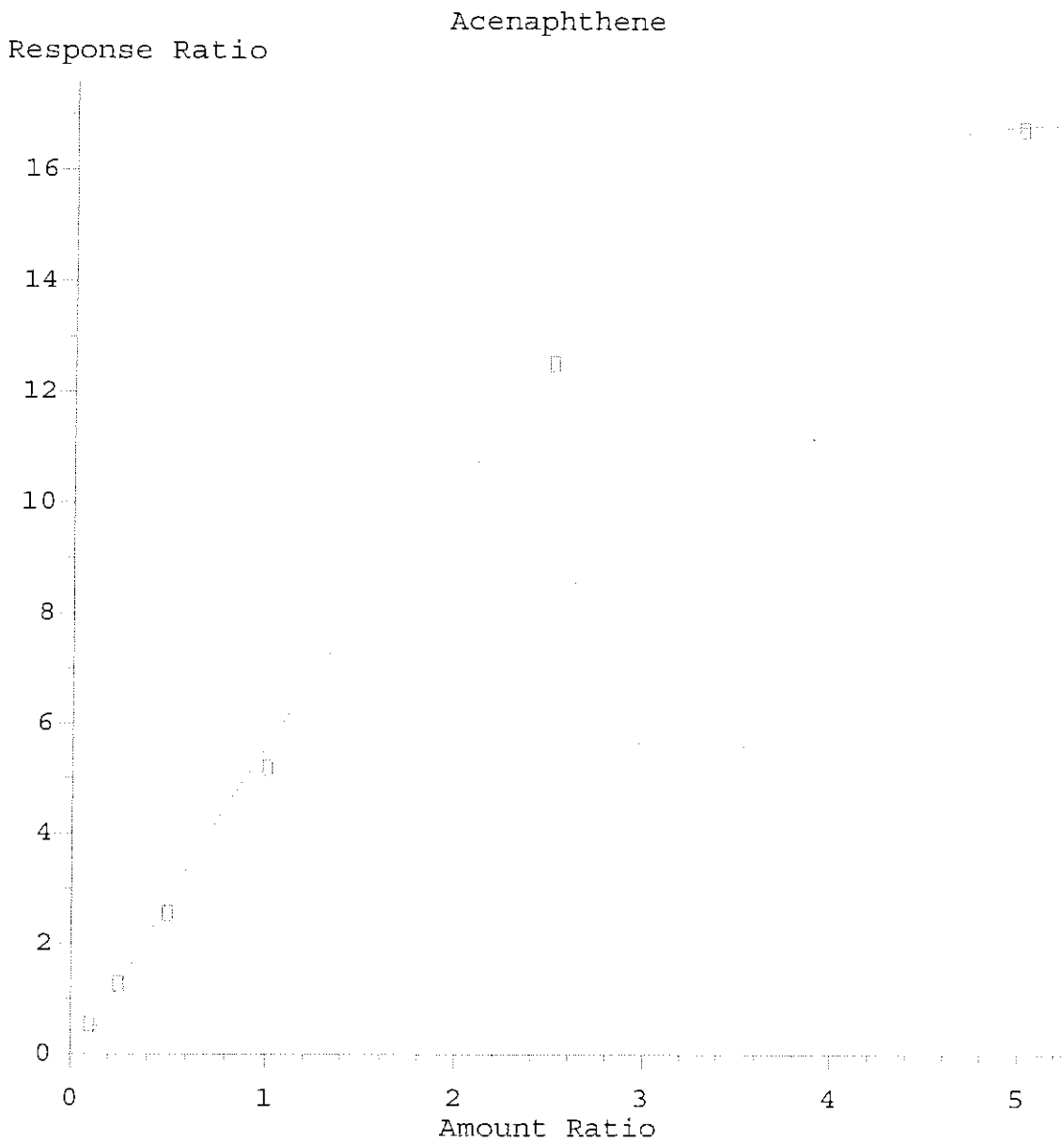
Calibration Files
2 =J35319SI.D 5 =J35320SI.D 10 =J35321SI.D 20 =J35322SI.D
50 =J35323SI.D 100 =J35324SI.D

		Compound	2	5	10	20	50	100	Avg		%RSD
1)	I	5-alpha-Androstane	----------ISTD----------								
2)	TM	Naphthalene	8.270	7.945	8.267	8.214	8.040	6.573	7.885		8.32
3)	TM	2-Methylnaphth...	4.973	4.706	4.730	4.805	4.582	3.683	4.580		9.99
4)	TM	Acenaphthylene	9.341	8.780	8.963	8.903	8.635	7.162	8.631		8.77
5)	TM	Acenaphthene	5.511	5.104	5.121	5.194	5.008	3.349	4.881		15.78Q
6)	TM	Fluorene	6.990	6.493	6.512	6.712	6.411	4.099	6.203		16.95Q
7)	TM	Phenanthrene	1.026	0.961	0.966	0.964	0.924	0.833	0.946	E1	6.75
8)	TM	Anthracene	1.010	0.947	0.937	0.957	0.924	0.819	0.933	E1	6.73
9)	S	2-Fluorobiphenyl	6.899	6.732	6.793	6.723	6.687	5.891	6.621		5.52
10)	S	2-Bromonaphtha...	3.335	3.041	3.057	3.045	2.994	2.034	2.918		15.42Q
11)	S	o-terphenyl	6.288	5.871	5.793	5.756	5.631	5.346	5.781		5.34
12)	TM	Fluoranthene	1.168	1.100	1.097	1.109	1.064	0.963	1.083	E1	6.29
13)	TM	Pyrene	1.214	1.136	1.136	1.145	1.108	0.999	1.123	E1	6.28
14)	TM	Benzo[a]anthra...	1.073	1.017	1.006	1.013	0.995	0.924	1.005	E1	4.79
15)	TM	Chrysene	1.043	0.972	0.961	0.967	0.952	0.847	0.957	E1	6.58
16)	TM	Benzo[b] fluor...	9.682	8.883	9.053	8.951	8.871	8.635	9.013		3.95
17)	TM	Benzo[k] fluor...	9.366	9.022	9.025	9.004	8.828	7.855	8.850		5.85
18)	TM	Benzo[a] pyrene	9.175	8.699	8.658	8.749	8.617	8.114	8.669		3.91
19)	TM	Indeno [1,2,3-...	7.589	7.236	7.344	7.413	7.719	7.409	7.452		2.34
20)	TM	Dibenz [a,h] a...	7.657	7.171	7.238	7.213	7.613	6.784	7.279		4.42
21)	TM	Benzo(g,h,i) ...	8.301	8.076	7.859	7.759	7.786	6.782	7.760		6.72
22)		c11-c22							0.000#		-1.00

(#) = Out of Range

b81570

8/14/10



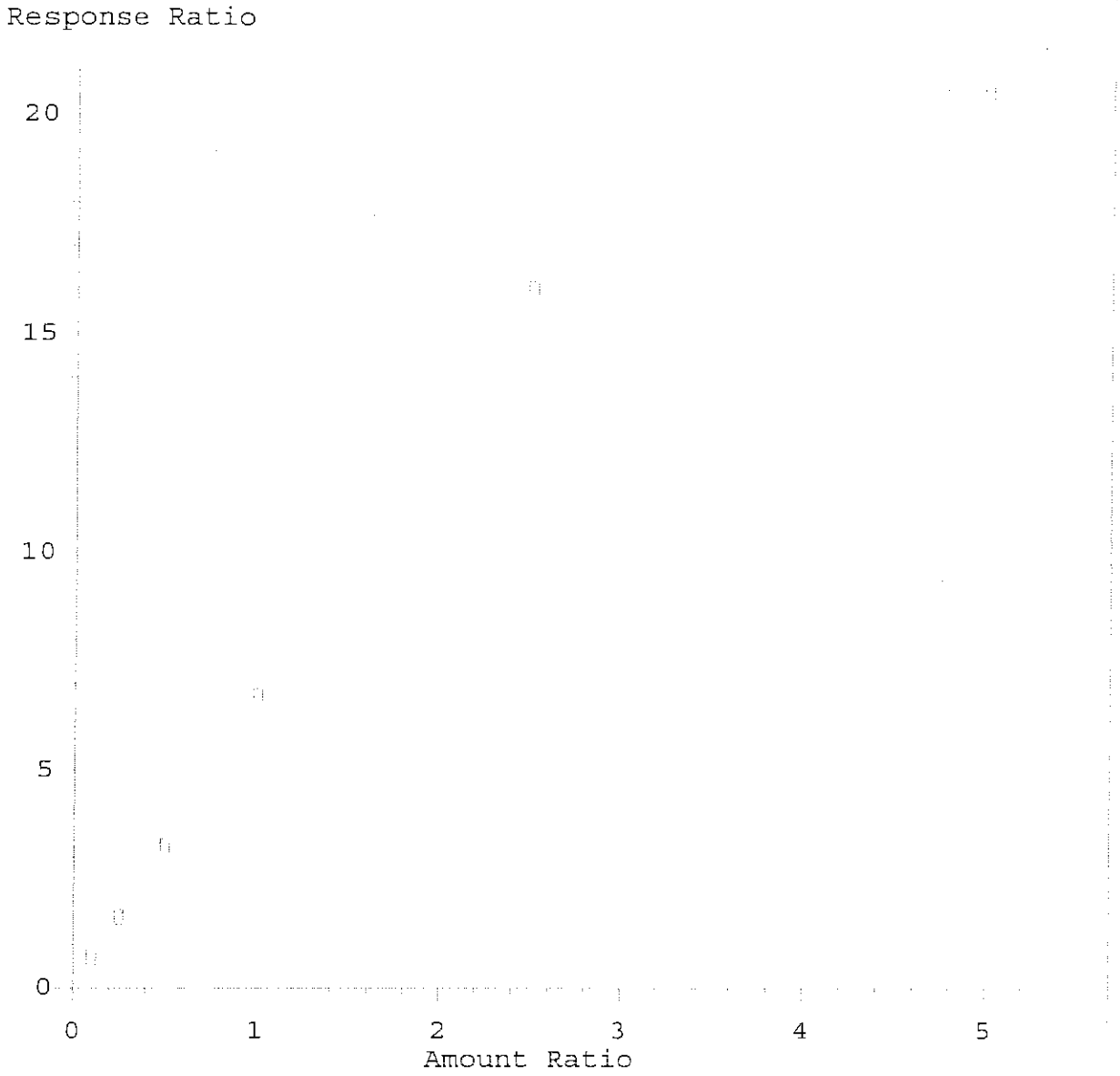
R = -6.44e-001 A*A + 6.66e+000 A - 4.13e-001
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARM081310.M
Calibration Table Last Updated: Sat Aug 14 05:34:39 2010

8/13/10

8/14/10

Fluorene



R = -9.02e-001 A*A + 8.74e+000 A - 5.91e-001
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARM081310.M
Calibration Table Last Updated: Sat Aug 14 05:34:39 2010

091570

8/14/10

R = -6.15e-001 A*A + 3.94e+000 A - 1.45e-001
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARM081310.M
Calibration Table Last Updated: Sat Aug 14 05:34:39 2010

8/13/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35319SI.D
Acq On : 14 Aug 2010 3:16 am
Operator : MG/ALR
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 05:09:23 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	99471	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	41175	1.29 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 6.45%#	
10) 2-Bromonaphthalene	6.080	206	19904	0.90 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 4.50%#	
11) o-terphenyl	7.601	230	25018	0.89 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 4.45%#	
Target Compounds					Qvalue
2) Naphthalene	4.680	128	82263	2.24 ug/ml	99
3) 2-Methylnaphthalene	5.244	141	49467	2.31 ug/ml	97
4) Acenaphthylene	5.967	152	92915	1.10 ug/ml	99
5) Acenaphthene	6.110	154	54819	2.33 ug/ml	100
6) Fluorene	6.525	166	69526	2.18 ug/ml	99
7) Phenanthrene	7.291	178	102013	2.25 ug/ml	99
8) Anthracene	7.334	178	100478	2.25 ug/ml	98
12) Fluoranthene	8.266	202	116148	2.16 ug/ml	98
13) Pyrene	8.467	202	120805	2.17 ug/ml	97
14) Benzo[a]anthracene	9.784	228	106767	2.22 ug/ml	99
15) Chrysene	9.828	228	103761	2.21 ug/ml	100
16) Benzo[b] fluoranthene	11.315	252	96311	2.31 ug/ml	99
17) Benzo[k] fluoranthene	11.356	252	93166	2.19 ug/ml	97
18) Benzo[a] pyrene	11.804	252	91265	2.30 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.572	276	75484	2.46 ug/ml	97
20) Dibenz [a,h] anthracene	13.648	278	76164	2.56 ug/ml	98
21) Benzo(g,h,i) perylene	13.981	276	82575	2.47 ug/ml	98

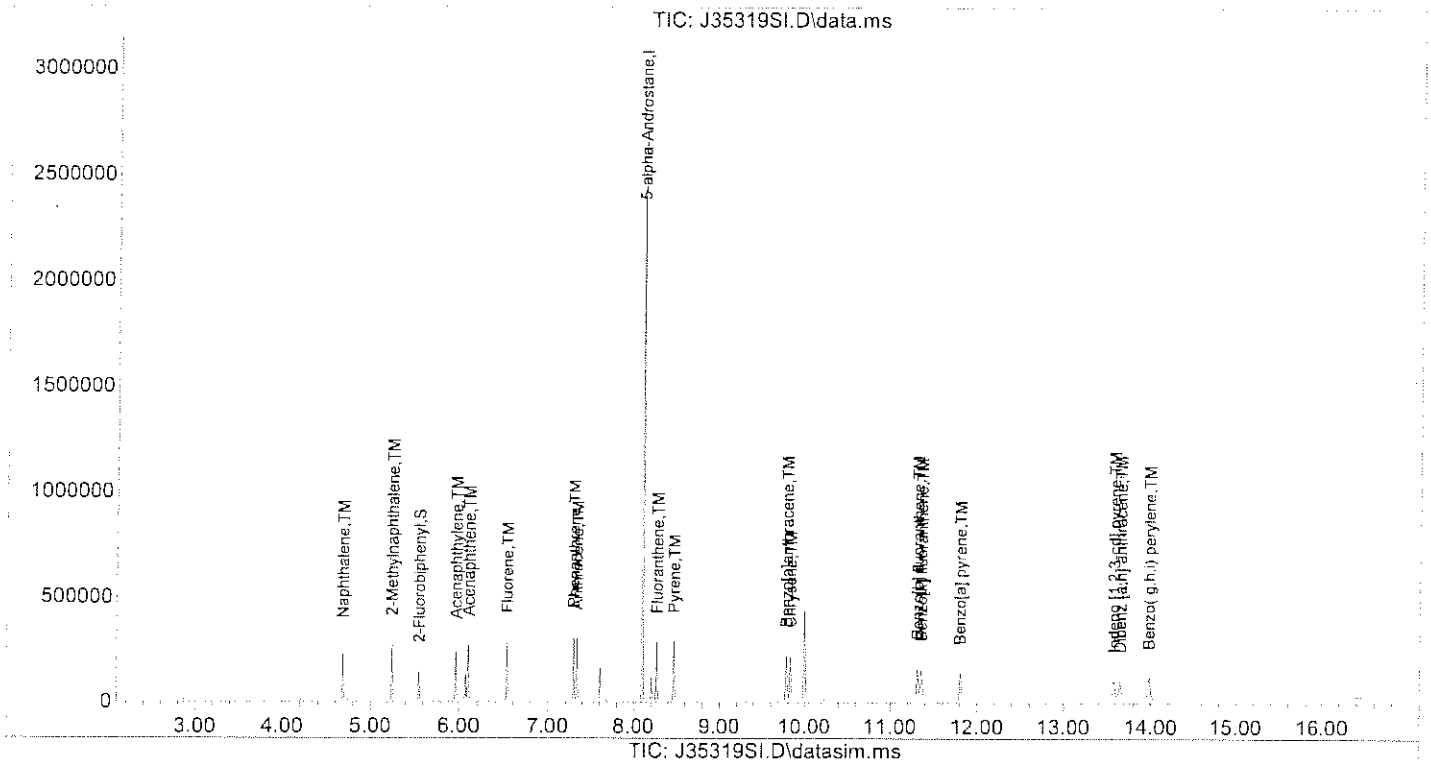
(#) = qualifier out of range (m) = manual integration (+) = signals summed

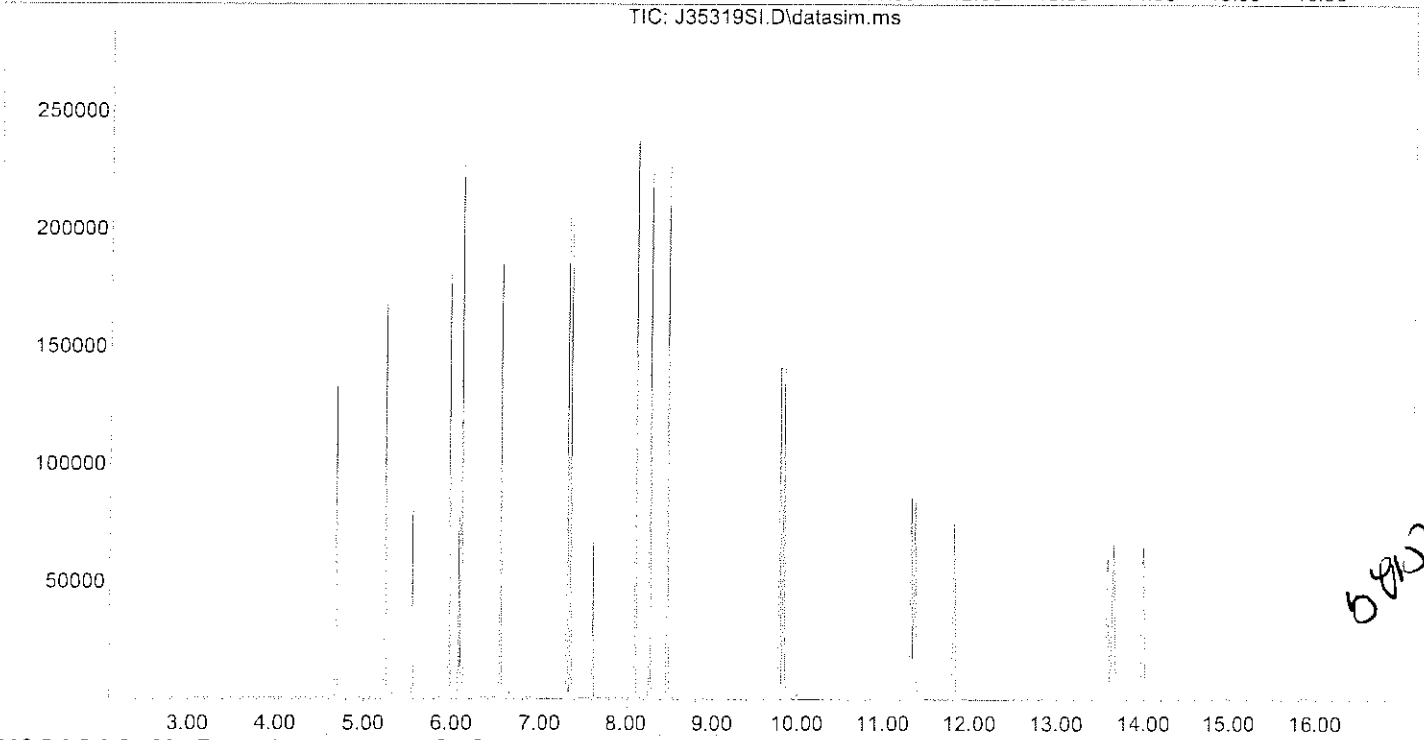
06020

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35319SI.D
Acq On : 14 Aug 2010 3:16 am
Operator : MG/ALR
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 05:09:23 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration





ARM081310.M Sat Aug 14 06:02:20 2010 Page: 2

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35320SI.D
Acq On : 14 Aug 2010 3:39 am
Operator : MG/ALR
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 14 05:09:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	100114	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	101101	3.15 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 15.75%#	
10) 2-Bromonaphthalene	6.080	206	45667	3.56 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 17.80%#	
11) o-terphenyl	7.601	230	58781	2.07 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 10.35%#	
Target Compounds					Qvalue
2) Naphthalene	4.680	128	198851	5.38 ug/ml	100
3) 2-Methylnaphthalene	5.244	141	117775	5.46 ug/ml	96
4) Acenaphthylene	5.967	152	219760	5.78 ug/ml	100
5) Acenaphthene	6.110	154	127744	5.40 ug/ml	99
6) Fluorene	6.525	166	162501	5.07 ug/ml	99
7) Phenanthrene	7.296	178	240449	5.26 ug/ml	99
8) Anthracene	7.334	178	237141	5.28 ug/ml	99
12) Fluoranthene	8.266	202	275358	5.10 ug/ml	98
13) Pyrene	8.467	202	284364	5.08 ug/ml	97
14) Benzo[a]anthracene	9.784	228	254451	5.27 ug/ml	100
15) Chrysene	9.831	228	243298	5.15 ug/ml	99
16) Benzo[b] fluoranthene	11.315	252	222321	5.31 ug/ml	99
17) Benzo[k] fluoranthene	11.360	252	225808	5.26 ug/ml	99
18) Benzo[a] pyrene	11.808	252	217732	5.46 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.580	276	181095	5.86 ug/ml	99
20) Dibenz [a,h] anthracene	13.652	278	179483	5.99 ug/ml	99
21) Benzo(g,h,i) perylene	13.989	276	202119	6.02 ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

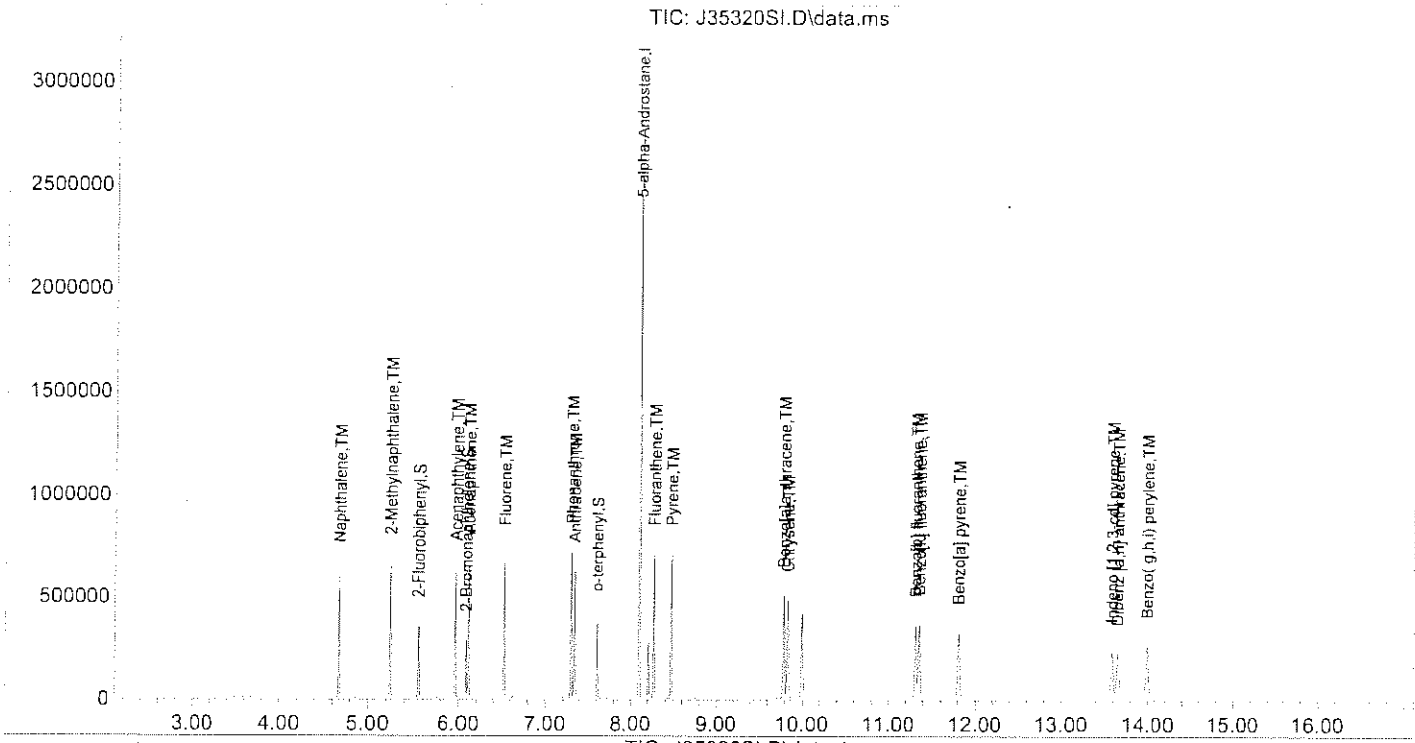
J81570

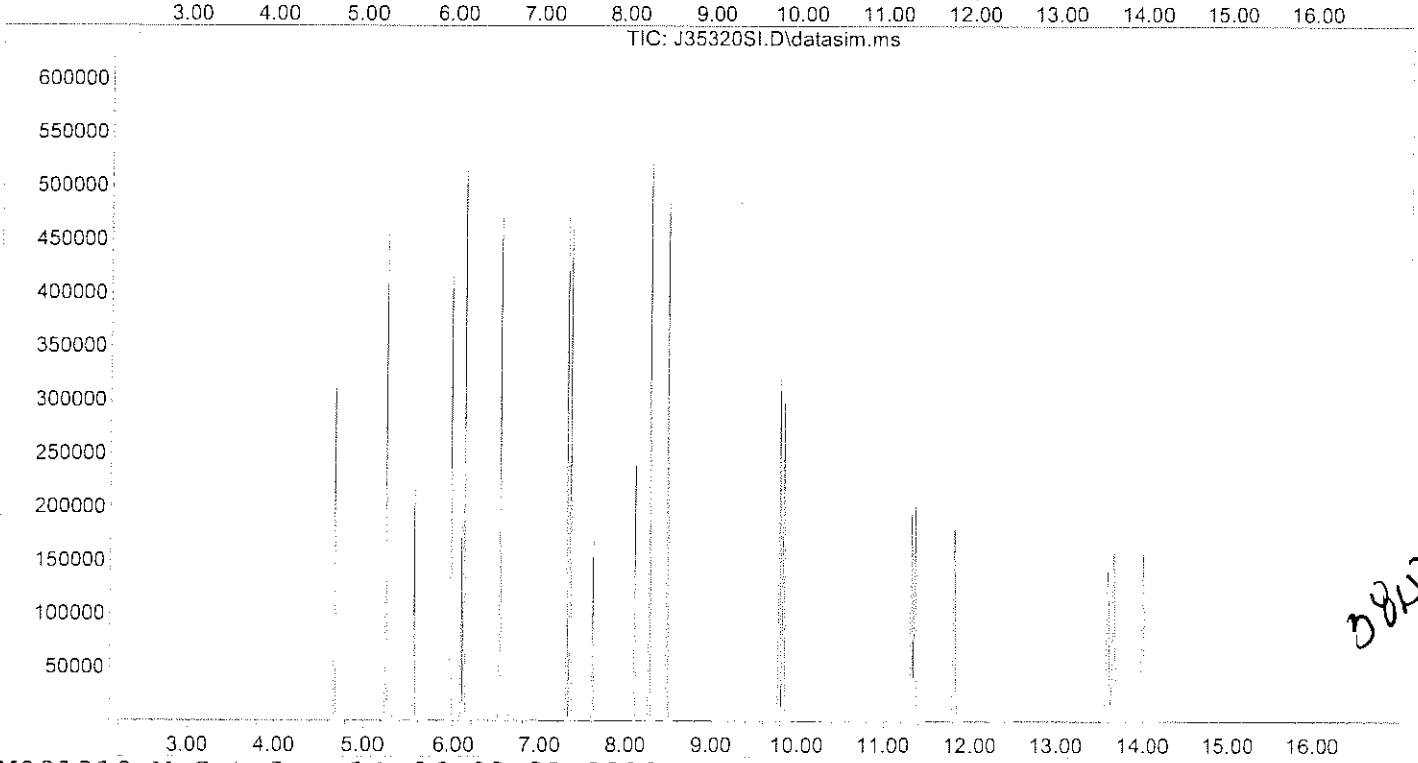
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35320SI.D
Acq On : 14 Aug 2010 3:39 am
Operator : MG/ALR
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 14 05:09:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

OK 8/14/10





38470

ARM081310.M Sat Aug 14 06:02:21 2010 Page: 2

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35321SI.D
Acq On : 14 Aug 2010 4:02 am
Operator : MG/ALR
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

8/14/10

Quant Time: Aug 14 05:09:25 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	96829	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	5.552	172	197336	6.35	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 31.75%#			
10) 2-Bromonaphthalene	6.080	206	88816	8.08	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 40.40%			
11) o-terphenyl	7.601	230	112178	4.09	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 20.45%#			
Target Compounds						Qvalue
2) Naphthalene	4.680	128	400250	11.20	ug/ml	100
3) 2-Methylnaphthalene	5.244	141	228985	10.97	ug/ml	97
4) Acenaphthylene	5.967	152	433916	13.74	ug/ml	99
5) Acenaphthene	6.110	154	247908	10.84	ug/ml	99
6) Fluorene	6.525	166	315288	10.17	ug/ml	99
7) Phenanthrene	7.296	178	467555	10.58	ug/ml	100
8) Anthracene	7.338	178	453773	10.44	ug/ml	99
12) Fluoranthene	8.266	202	531026	10.16	ug/ml	98
13) Pyrene	8.467	202	549863	10.15	ug/ml	98
14) Benzo[a]anthracene	9.787	228	487075	10.43	ug/ml	100
15) Chrysene	9.835	228	465028	10.17	ug/ml	99
16) Benzo[b] fluoranthene	11.322	252	438303	10.82	ug/ml	100
17) Benzo[k] fluoranthene	11.367	252	436955	10.53	ug/ml	100
18) Benzo[a] pyrene	11.815	252	419196	10.87	ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.588	276	355549	11.89	ug/ml	99
20) Dibenz [a,h] anthracene	13.656	278	350430	12.08	ug/ml	99
21) Benzo(g,h,i) perylene	13.996	276	380472	11.71	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

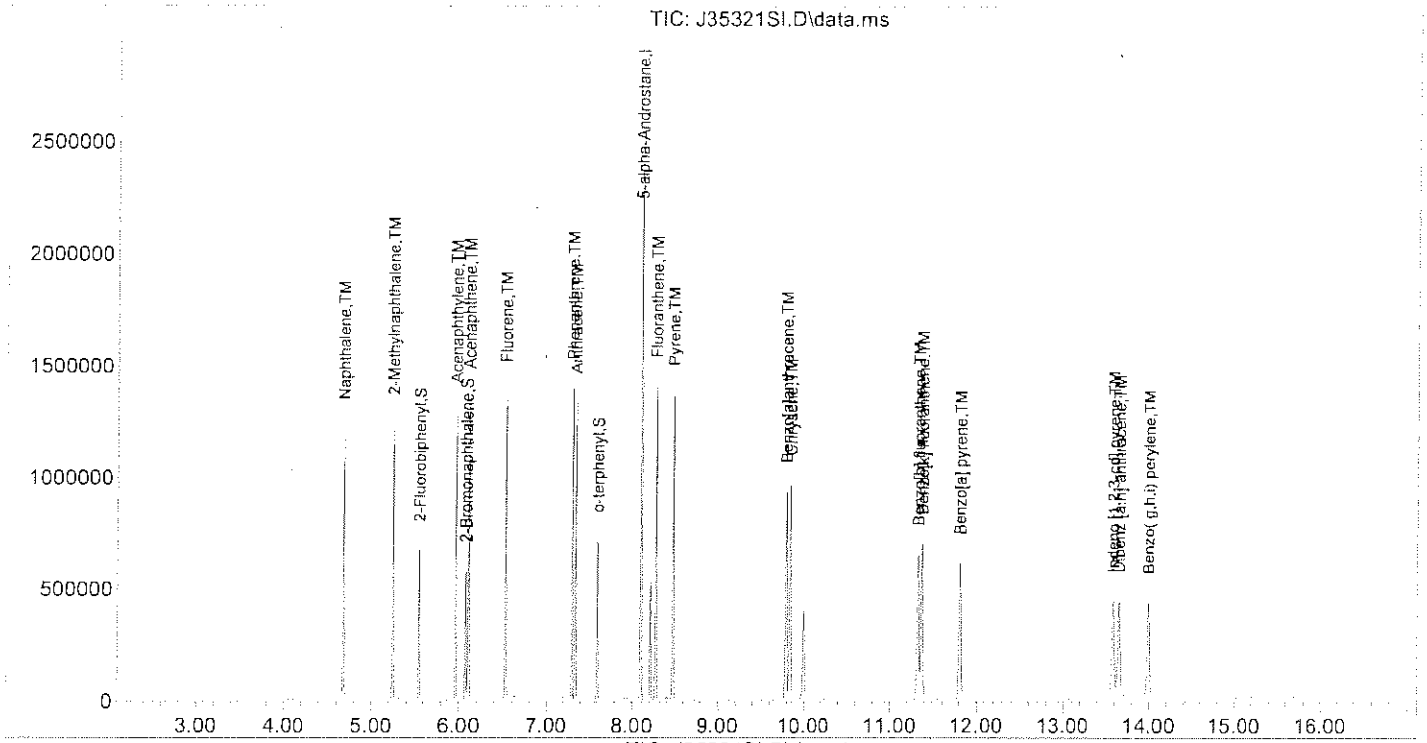
581570

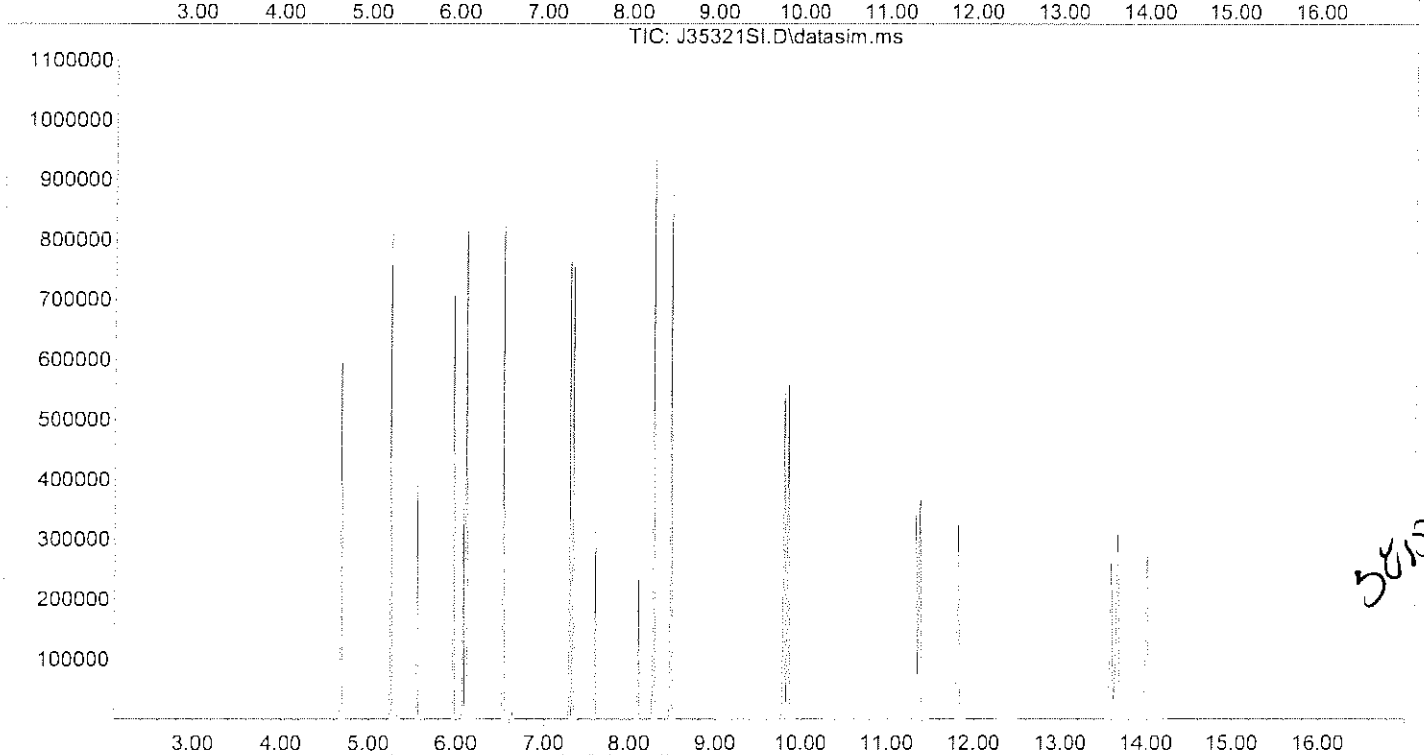
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35321SI.D
Acq On : 14 Aug 2010 4:02 am
Operator : MG/ALR
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 05:09:25 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10





35120

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35322SI.D
Acq On : 14 Aug 2010 4:25 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 05:09:26 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	103378	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	417011	12.57 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 62.85%		
10) 2-Bromonaphthalene	6.080	206	188855	16.16 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 80.80%		
11) o-terphenyl	7.601	230	238005	8.13 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 40.65%		
Target Compounds					Qvalue
2) Naphthalene	4.680	128	849188	22.26 ug/ml	100
3) 2-Methylnaphthalene	5.249	141	496746	22.29 ug/ml	98
4) Acenaphthylene	5.967	152	920399	27.67 ug/ml	100
5) Acenaphthene	6.110	154	536975	22.00 ug/ml	100
6) Fluorene	6.531	166	693844	20.97 ug/ml	99
7) Phenanthrene	7.296	178	996764	21.12 ug/ml	100
8) Anthracene	7.338	178	988889	21.31 ug/ml	100
12) Fluoranthene	8.270	202	1146891	20.56 ug/ml	99
13) Pyrene	8.472	202	1183861	20.48 ug/ml	99
14) Benzo[a]anthracene	9.794	228	1047517	21.00 ug/ml	100
15) Chrysene	9.841	228	999331	20.48 ug/ml	100
16) Benzo[b] fluoranthene	11.332	252	925359	21.39 ug/ml	100
17) Benzo[k] fluoranthene	11.380	252	930859	21.01 ug/ml	99
18) Benzo[a] pyrene	11.825	252	904502	21.98 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.604	276	766343	24.01 ug/ml	99
20) Dibenz [a,h] anthracene	13.671	278	745690	24.09 ug/ml	99
21) Benzo(g,h,i) perylene	14.016	276	802160	23.13 ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

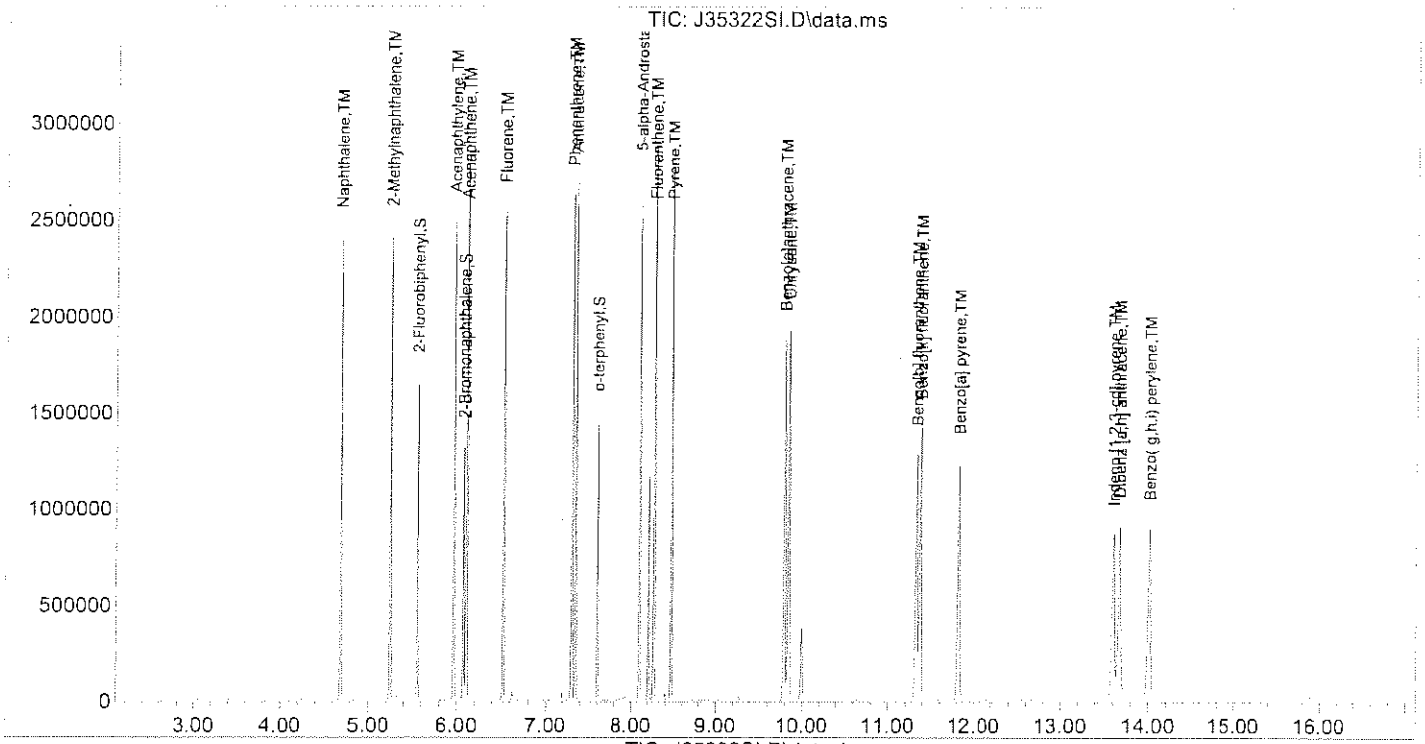
381520

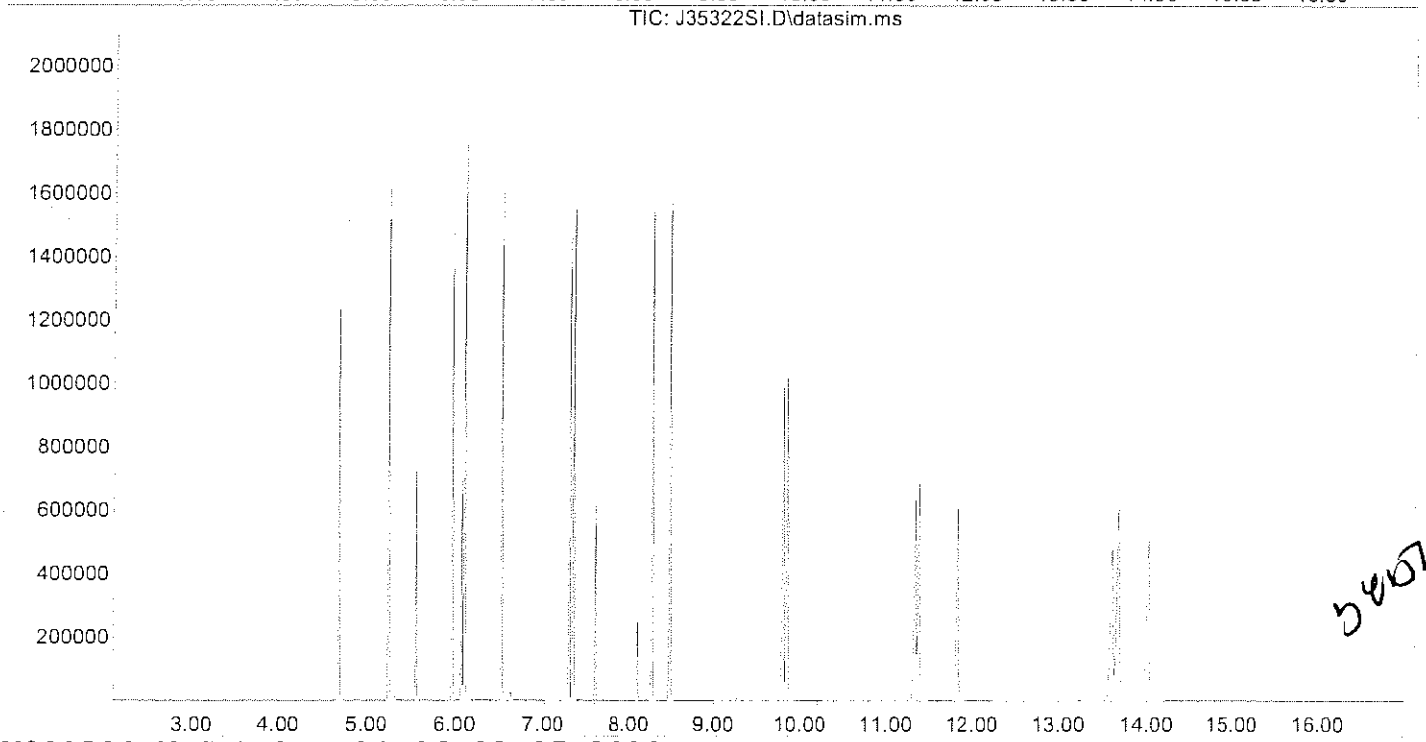
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35322SI.D
Acq On : 14 Aug 2010 4:25 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 05:09:26 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10





38070

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35323SI.D
Acq On : 14 Aug 2010 4:48 am
Operator : MG/ALR
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 14 05:09:27 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	8.098	95	90532	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	5.553	172	908033	31.25	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 156.25%#			
10) 2-Bromonaphthalene	6.081	206	406516	35.83	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 179.15%#			
11) o-terphenyl	7.606	230	509801	19.89	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 99.45%			
Target Compounds						Qvalue
2) Naphthalene	4.686	128	1819630	54.48	ug/ml	100
3) 2-Methylnaphthalene	5.250	141	1037150	53.15	ug/ml	98
4) Acenaphthylene	5.974	152	1954436	60.83	ug/ml	99
5) Acenaphthene	6.116	154	1133358	53.02	ug/ml	99
6) Fluorene	6.531	166	1450927	50.07	ug/ml	99
7) Phenanthrene	7.301	178	2092300	50.63	ug/ml	100
8) Anthracene	7.343	178	2091837	51.46	ug/ml	99
12) Fluoranthene	8.276	202	2408810	49.31	ug/ml	100
13) Pyrene	8.477	202	2506759	49.51	ug/ml	100
14) Benzo[a]anthracene	9.805	228	2251088	51.54	ug/ml	100
15) Chrysene	9.855	228	2153880	50.40	ug/ml	100
16) Benzo[b] fluoranthene	11.346	252	2007813	53.00	ug/ml	100
17) Benzo[k] fluoranthene	11.401	252	1998146	51.49	ug/ml	99
18) Benzo[a] pyrene	11.846	252	1950247	54.11	ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.632	276	1747106	62.51	ug/ml	100
20) Dibenz [a,h] anthracene	13.700	278	1723028	63.55	ug/ml	99
21) Benzo(g,h,i) perylene	14.048	276	1762102	58.02	ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

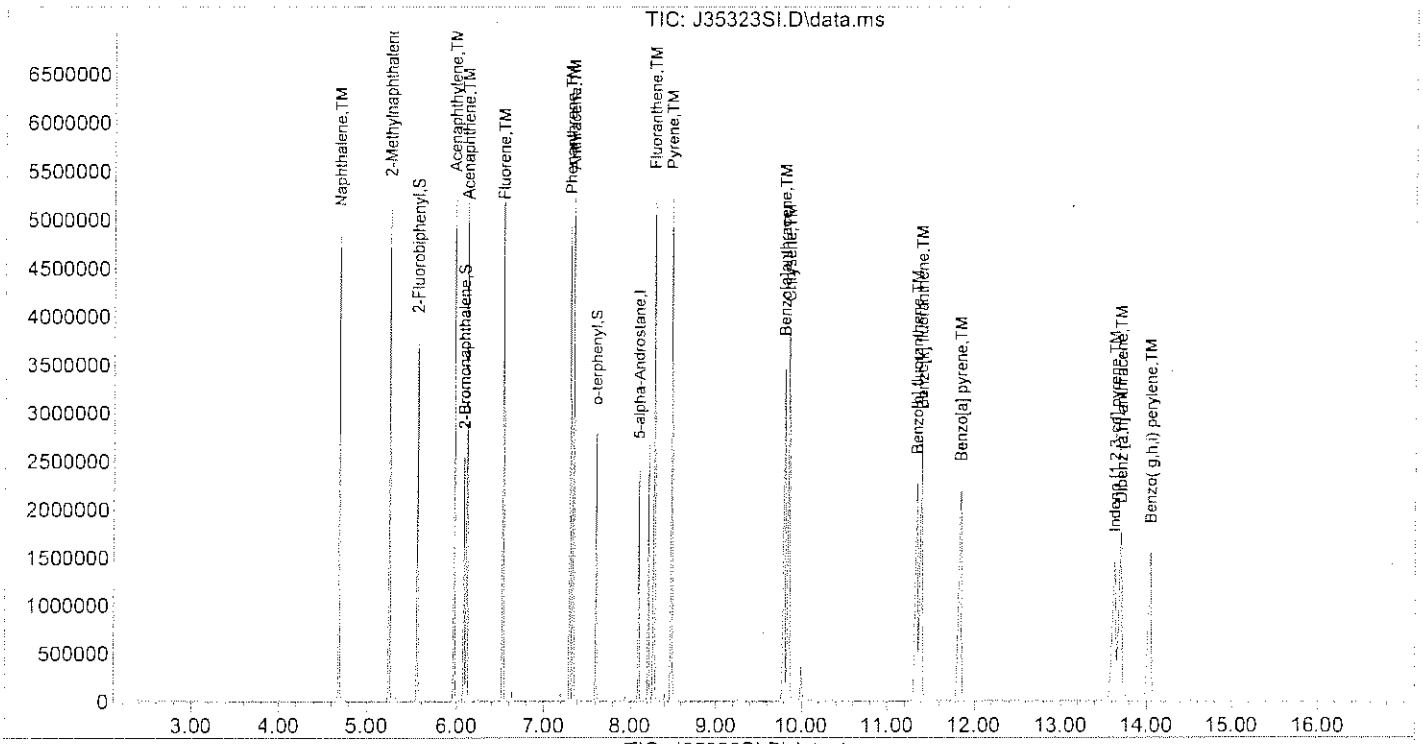
581570

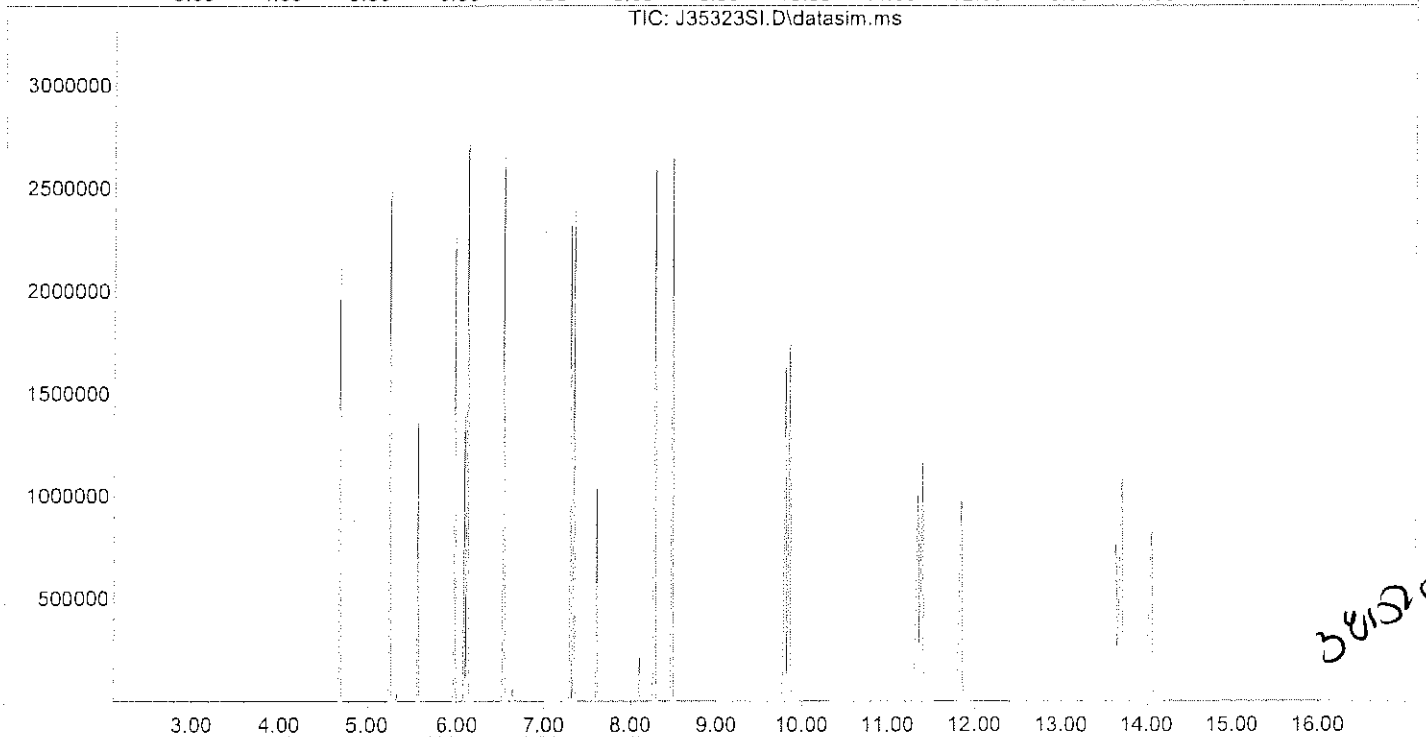
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35323SI.D
Acq On : 14 Aug 2010 4:48 am
Operator : MG/ALR
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 14 05:09:27 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Fri Aug 13 10:25:41 2010
Response via : Initial Calibration

8/14/10





381520

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 05:33:08 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

8/14/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	93720	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	5.558	172	1656216	52.23	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	=	261.15%#	
10) 2-Bromonaphthalene	6.086	206	571820	39.44	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	=	197.20%#	
11) o-terphenyl	7.605	230	1002078	36.44	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	=	182.20%#	
Target Compounds						Qvalue
2) Naphthalene	4.692	128	3080255	80.68	ug/ml	99
3) 2-Methylnaphthalene	5.256	141	1726001	77.39	ug/ml	99
4) Acenaphthylene	5.979	152	3356323	80.26	ug/ml	100
5) Acenaphthene	6.122	154	1569318	64.56	ug/ml	99
6) Fluorene	6.537	166	1920866	61.89	ug/ml	99
7) Phenanthrene	7.310	178	3905740	86.09	ug/ml	100
8) Anthracene	7.352	178	3839980	85.79	ug/ml	99
12) Fluoranthene	8.285	202	4510560	86.90	ug/ml	100
13) Pyrene	8.491	202	4680706	87.02	ug/ml	99
14) Benzo[a]anthracene	9.818	228	4328786	90.50	ug/ml	100
15) Chrysene	9.872	228	3970244m	86.56	ug/ml	
16) Benzo[b] fluoranthene	11.367	252	4046516	95.02	ug/ml	99
17) Benzo[k] fluoranthene	11.428	252	3680833m	86.80	ug/ml	
18) Benzo[a] pyrene	11.873	252	3802308	92.42	ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.691	276	3472007m	99.32	ug/ml	
20) Dibenz [a,h] anthracene	13.739	278	3178773	91.94	ug/ml	96
21) Benzo(g,h,i) perylene	14.088	276	3178212	85.25	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

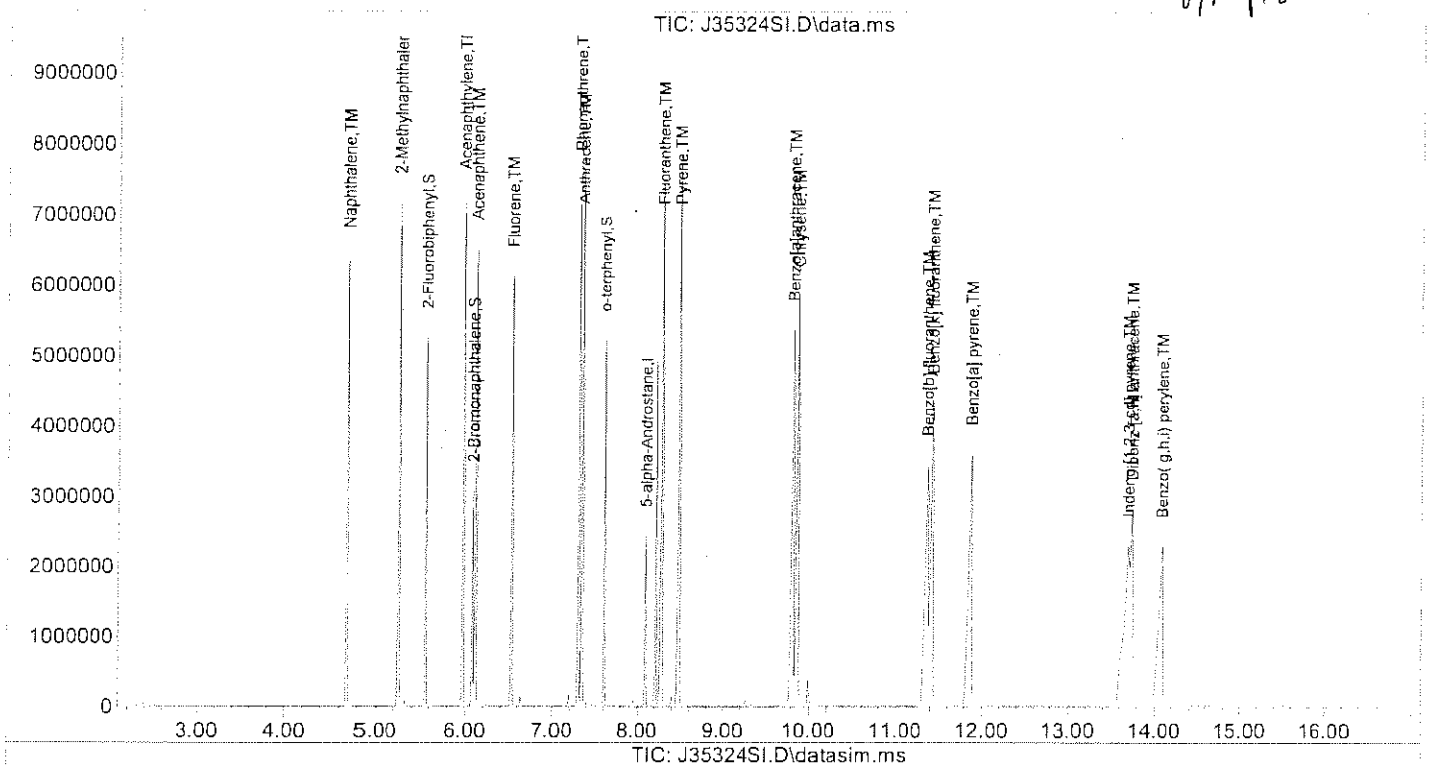
581520

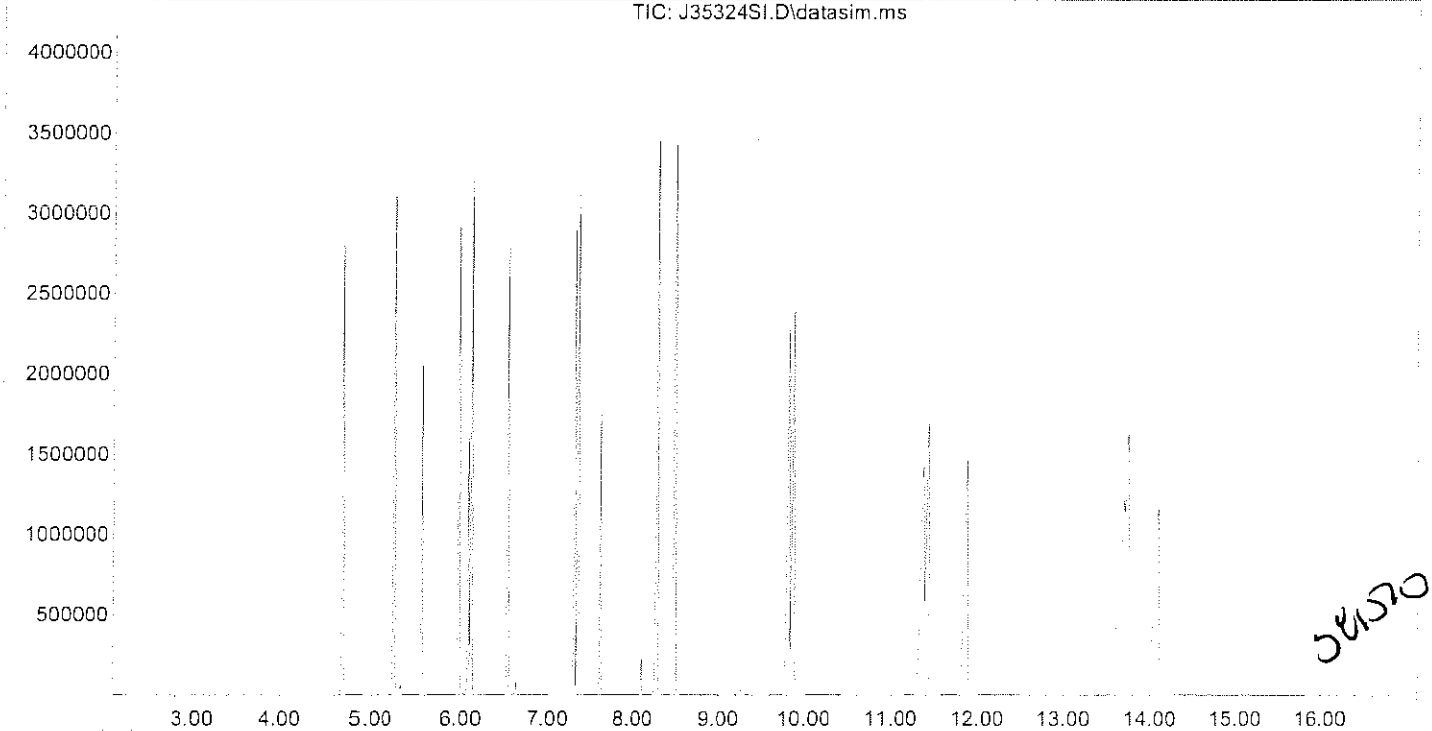
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 05:33:08 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

OK
8/14/10





36570

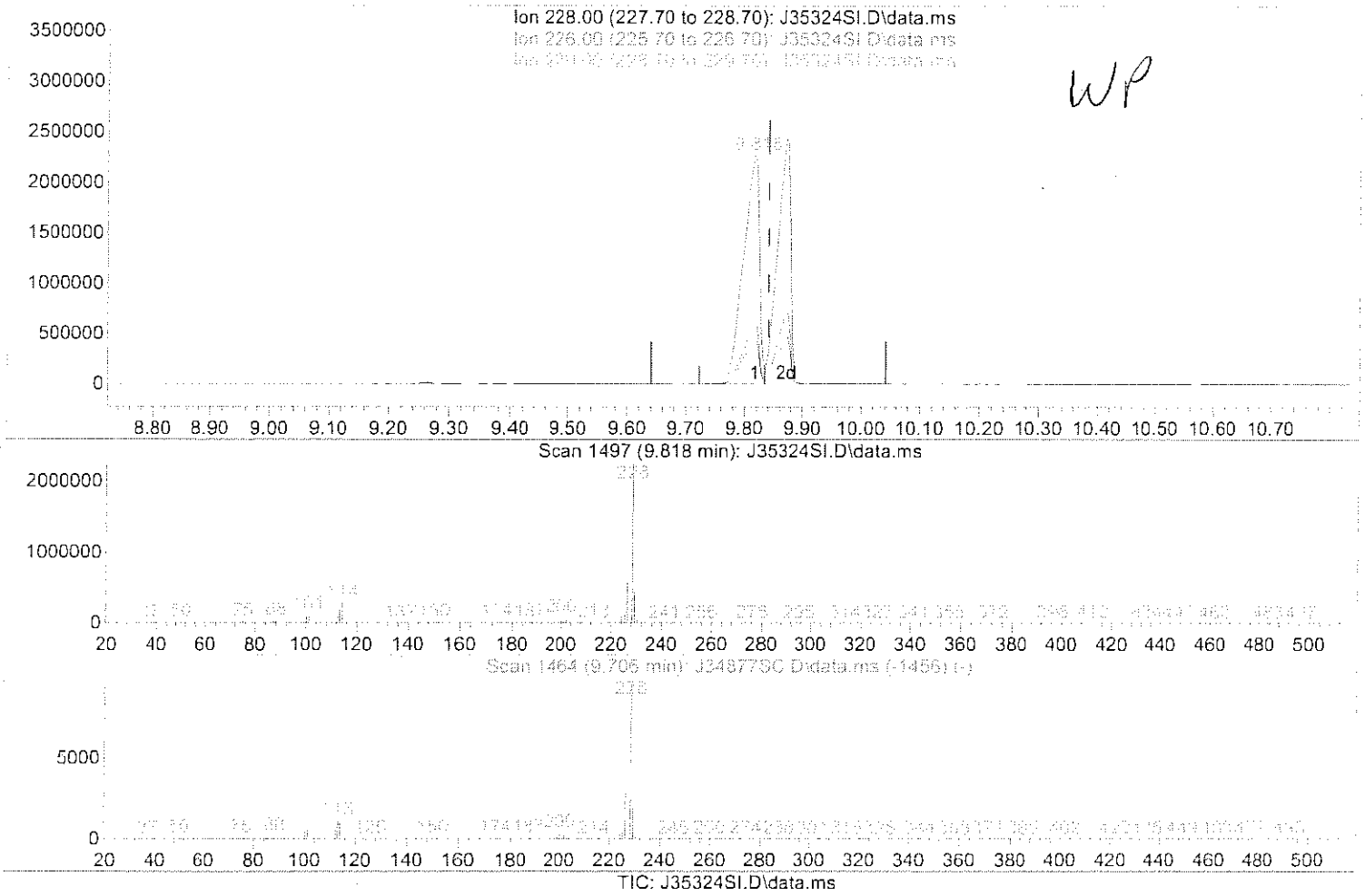
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 05:32:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

8/14/10

WP



(15) Chrysene (TM)

9.818min (-0.024) 94.38ug/ml

response 4328786

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	26.47
229.00	19.40	19.80
0.00	0.00	0.00

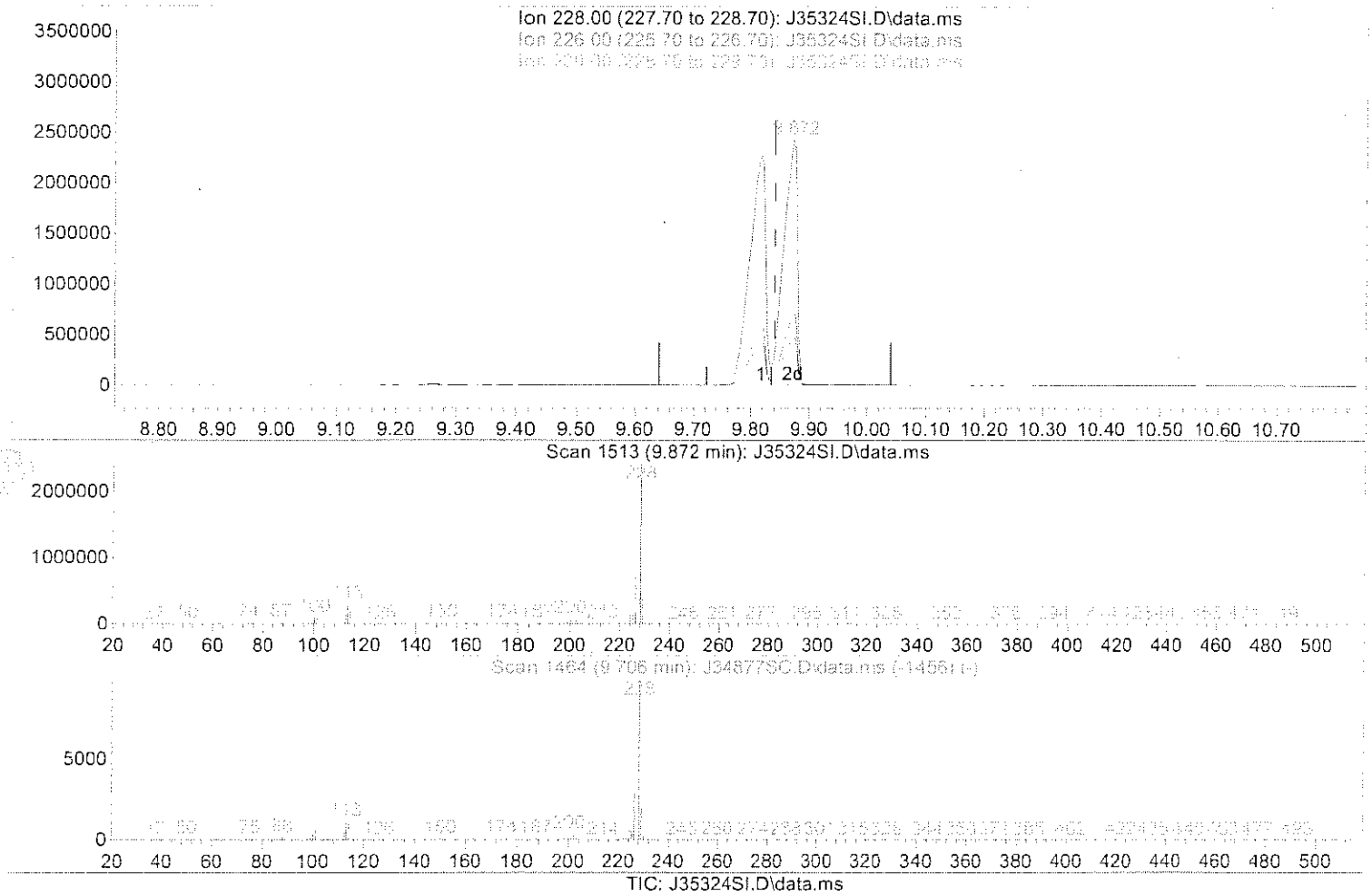
581320

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 05:32:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

8/14/10



(15) Chrysene (TM)

9.872min (+0.030) 86.56ug/ml m

response 3970244

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	28.86
229.00	19.40	21.59
0.00	0.00	0.00

081520

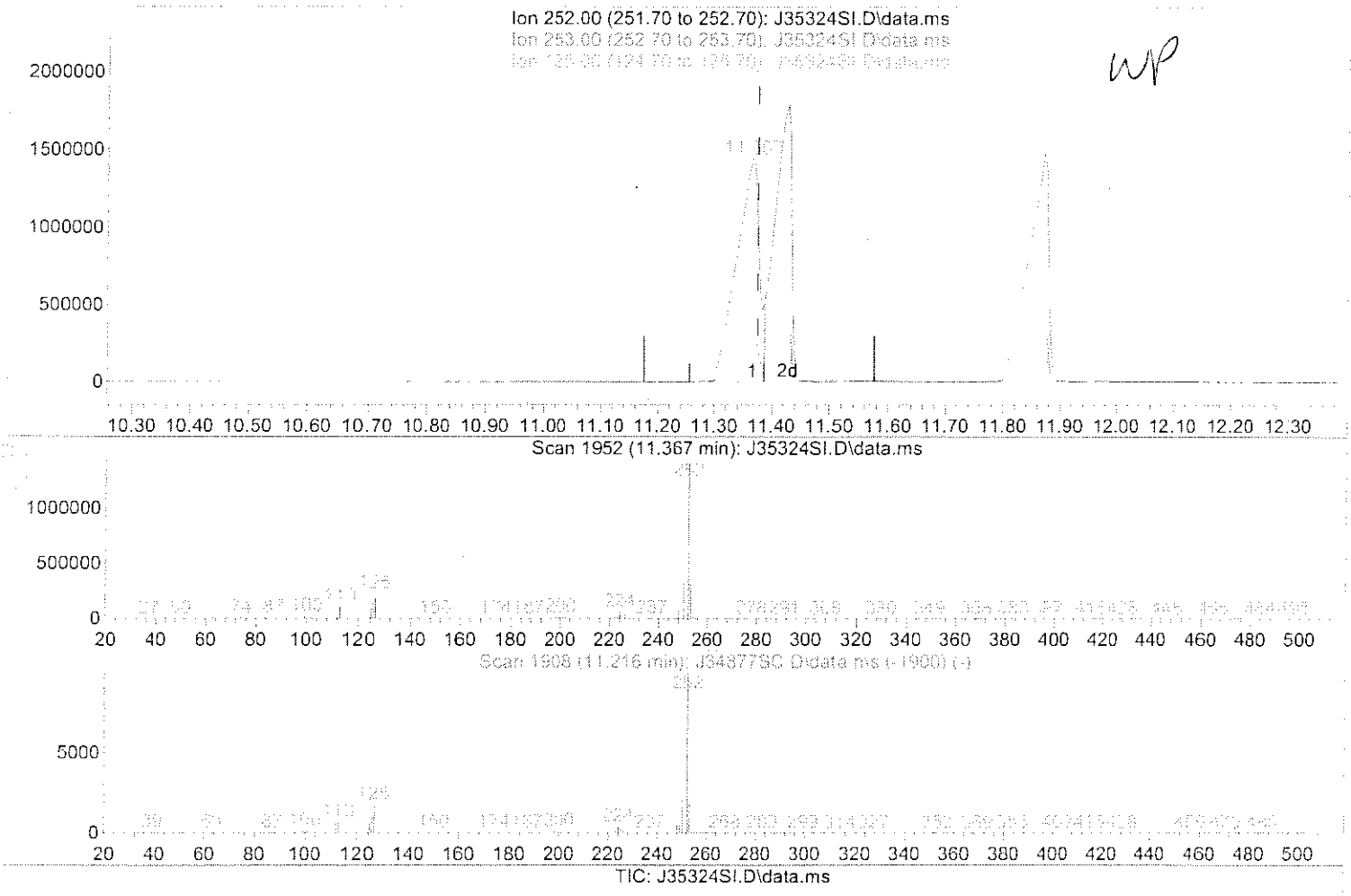
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 05:32:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

8/14/10

WP



(17) Benzo[k] fluoranthene (TM)

11.367min (-0.010) 95.43ug/ml

response 4046516

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	21.44
125.00	11.20	11.71
0.00	0.00	0.00

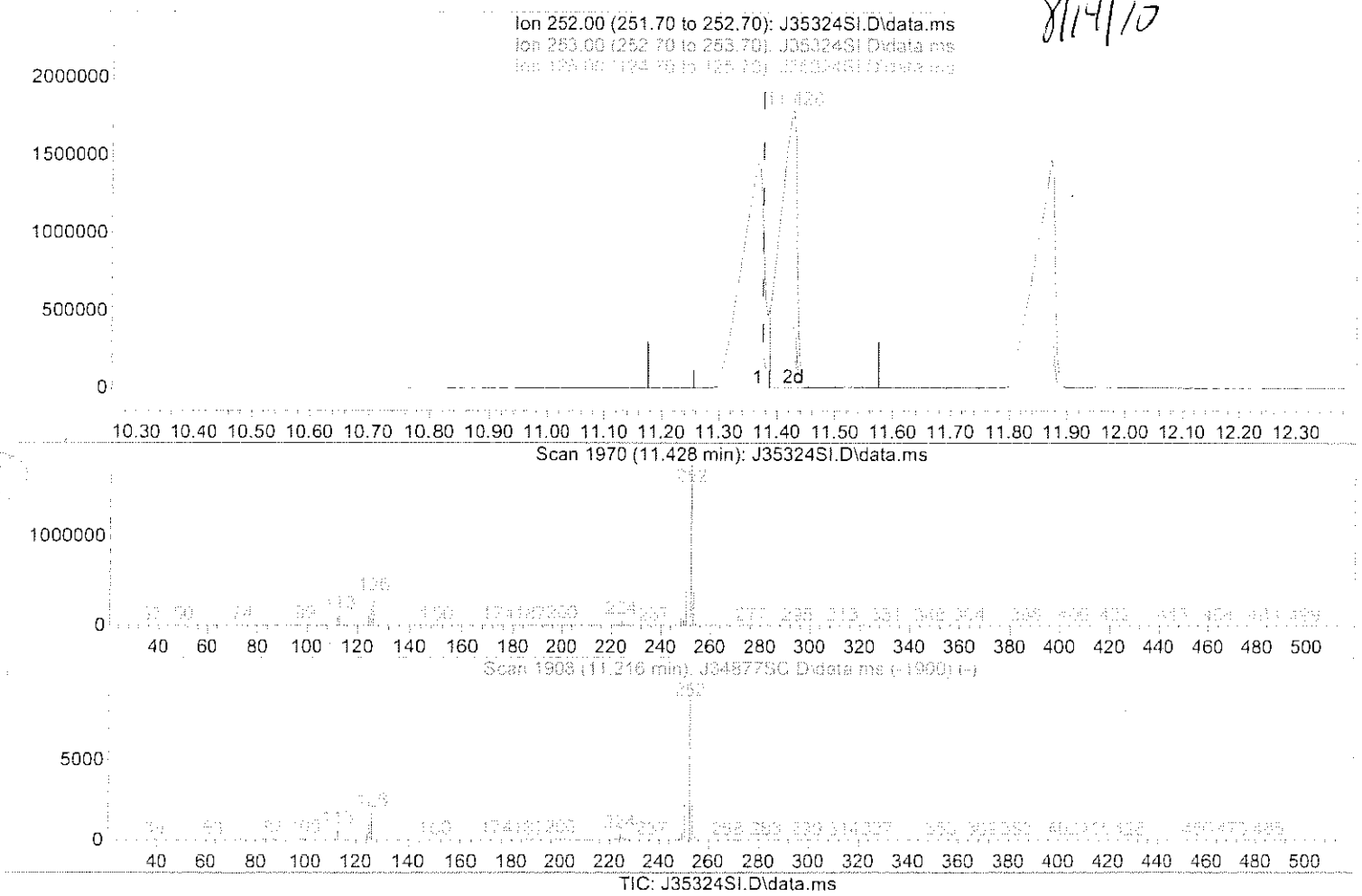
581570

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 05:32:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

8/14/10



(17) Benzo[k] fluoranthene (TM)

11.428min (+0.051) 86.80ug/ml m

response 3680833

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.57
125.00	11.20	12.87
0.00	0.00	0.00

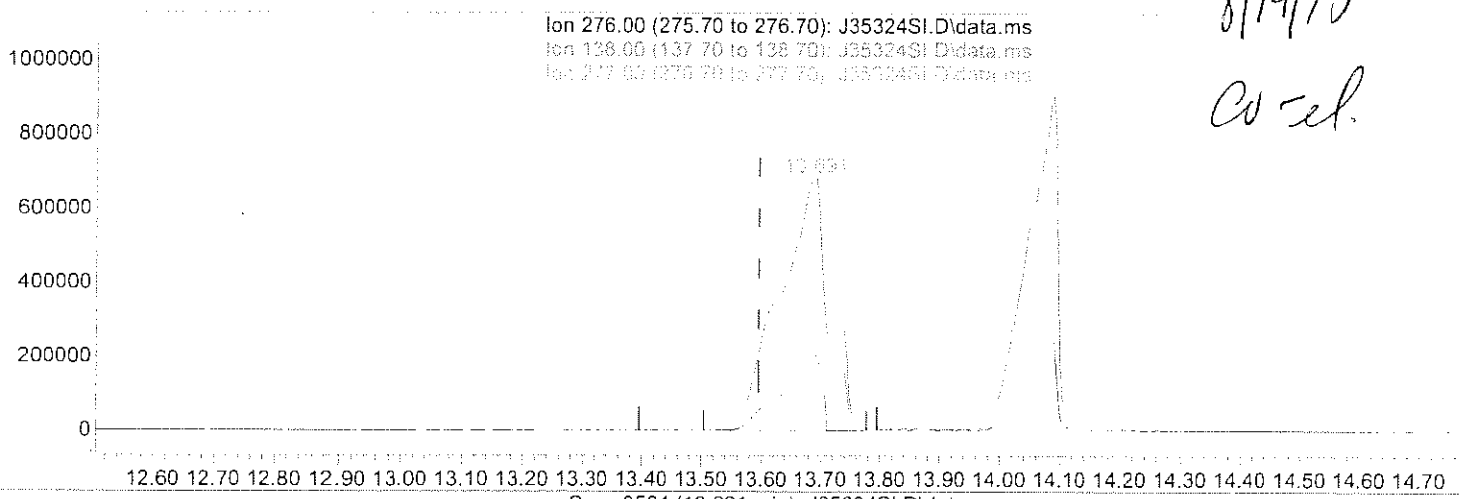
081320

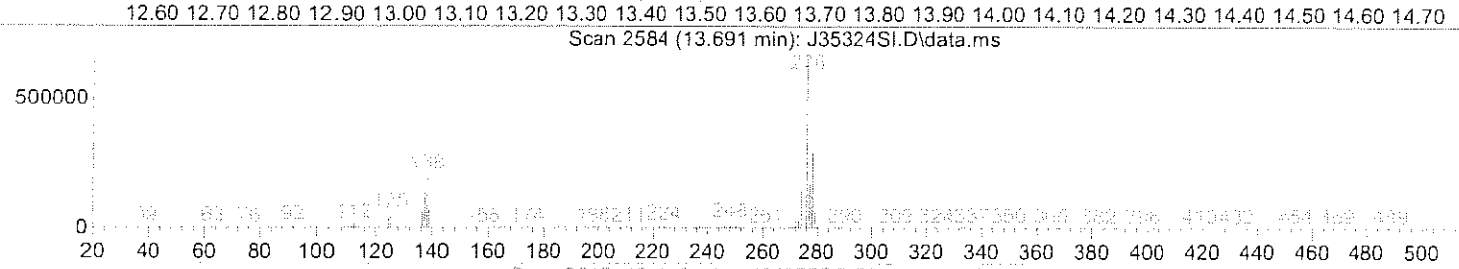
Quantitation Report (Qedit)

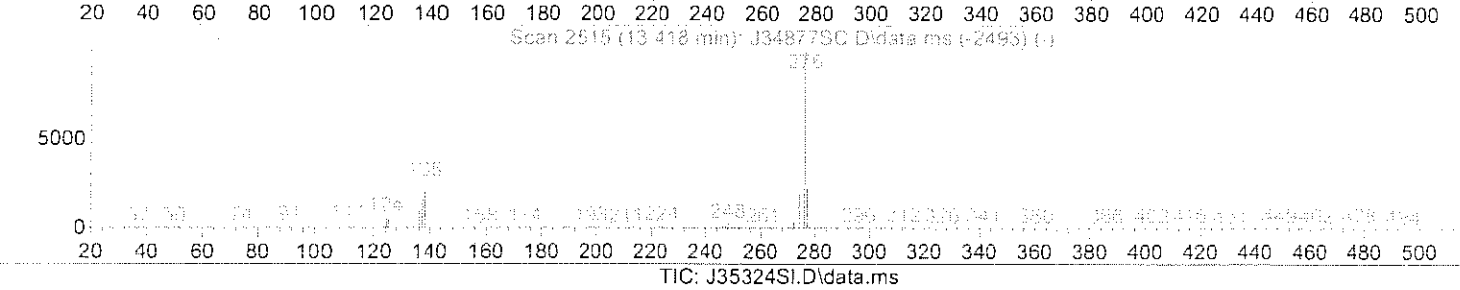
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 05:32:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

8/14/10
Co-el.







(19) Indeno [1,2,3-cd] pyrene (TM)

13.691min (+0.095) 111.61ug/ml

response 3901505

Ion	Exp%	Act%
276.00	100	100
138.00	25.70	32.48#
277.00	23.80	20.98
0.00	0.00	0.00

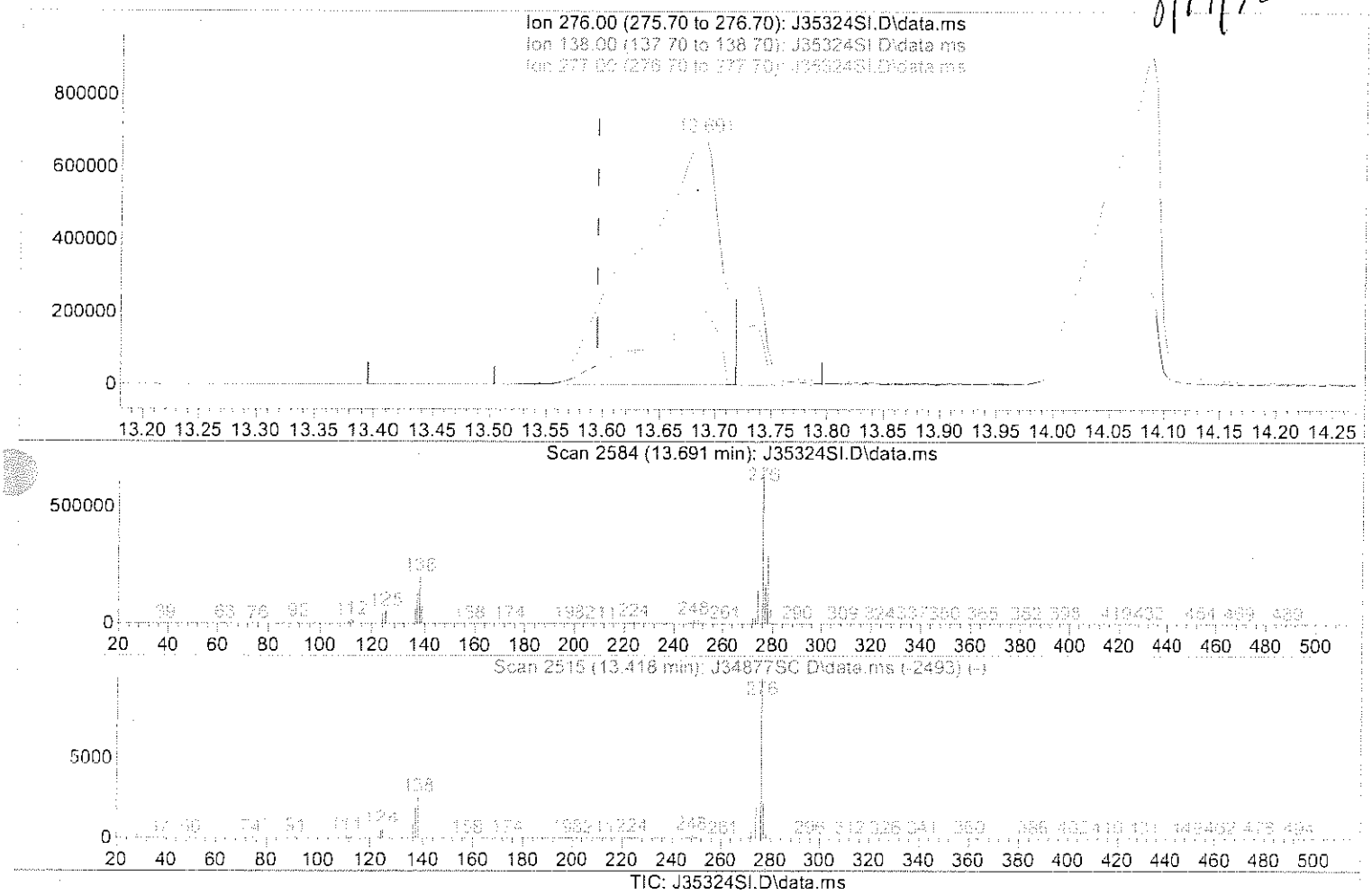
50,570

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 14 05:32:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:11:03 2010
Response via : Initial Calibration

8/14/10



(19) Indeno [1,2,3-cd] pyrene (TM)

13.691min (+0.095) 99.32ug/ml m

response 3472007

Ion	Exp%	Act%
276.00	100	100
138.00	25.70	36.50#
277.00	23.80	23.57
0.00	0.00	0.00

581570

MS AROMATIC
2ND SOURCE
CHECK

Data File Name J35325.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/14/2010 5:33

8/14/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	22.19	20	111%	OK
2-Methylnaphthalene	21.50	20	107%	OK
Acenaphthylene	21.56	20	108%	OK
Acenaphthene	19.87	20	99%	OK
Fluorene	19.24	20	96%	OK
Phenanthrene	21.76	20	109%	OK
Anthracene	21.64	20	108%	OK
o-terphenyl	20.02	20	100%	OK
Fluoranthene	21.46	20	107%	OK
Pyrene	20.99	20	105%	OK
Benzo[a]anthracene	20.31	20	102%	OK
Chrysene	20.77	20	104%	OK
Benzo[b] fluoranthene	19.74	20	99%	OK
Benzo[k] fluoranthene	20.13	20	101%	OK
Benzo[a] pyrene	20.45	20	102%	OK
Indeno [1,2,3-cd] pyrene	19.76	20	99%	OK
Dibenz [a,h] anthracene	19.64	20	98%	OK
Benzo(g,h,i) perylene	19.30	20	97%	OK

081520

8/14/2010 6:01 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARM ICVPRCT.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35325.D
Acq On : 14 Aug 2010 5:33 am
Operator : MG/ALR
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 14 05:59:51 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

8/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	100378	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.546	172	250	0.01 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	0.05%#	
10) 2-Bromonaphthalene	6.080	206	157	0.75 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	3.75%#	
11) o-terphenyl	7.605	230	580833	20.02 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	100.10%	
Target Compounds					Qvalue
2) Naphthalene	4.686	128	878136	22.19 ug/ml	100
3) 2-Methylnaphthalene	5.250	141	494134	21.50 ug/ml	98
4) Acenaphthylene	5.967	152	933707	21.56 ug/ml	100
5) Acenaphthene	6.110	154	559335	19.87 ug/ml	100
6) Fluorene	6.525	166	700953	19.24 ug/ml	99
7) Phenanthrene	7.296	178	1032606	21.76 ug/ml	99
8) Anthracene	7.338	178	1012663	21.64 ug/ml	99
12) Fluoranthene	8.270	202	1166742	21.46 ug/ml	99
13) Pyrene	8.472	202	1183131	20.99 ug/ml	98
14) Benzo[a]anthracene	9.794	228	1024191	20.31 ug/ml	100
15) Chrysene	9.841	228	997505	20.77 ug/ml	99
16) Benzo[b] fluoranthene	11.329	252	892735	19.74 ug/ml	100
17) Benzo[k] fluoranthene	11.377	252	894217	20.13 ug/ml	100
18) Benzo[a] pyrene	11.825	252	889901	20.45 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.604	276	738969	19.76 ug/ml	99
20) Dibenz [a,h] anthracene	13.671	278	717564	19.64 ug/ml	99
21) Benzo(g,h,i) perylene	14.016	276	751790	19.30 ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

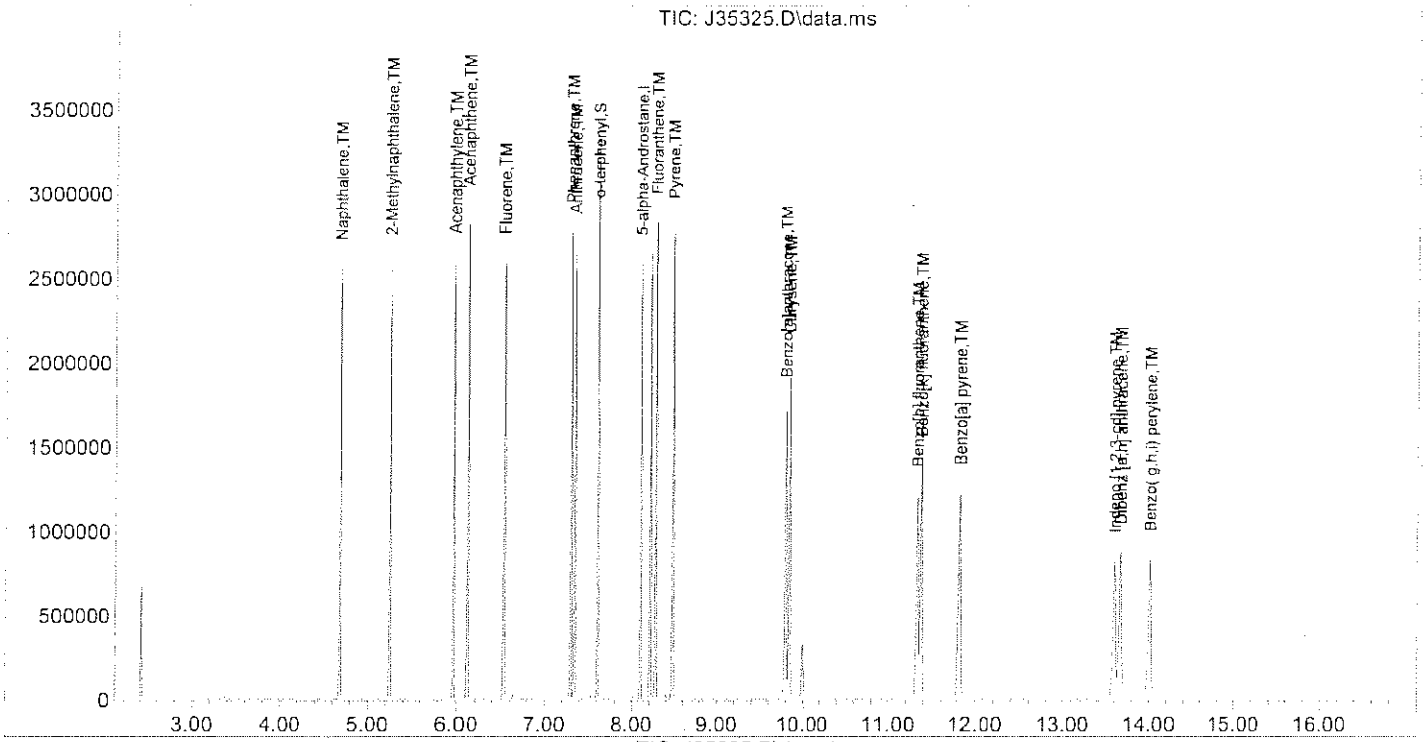
38,520

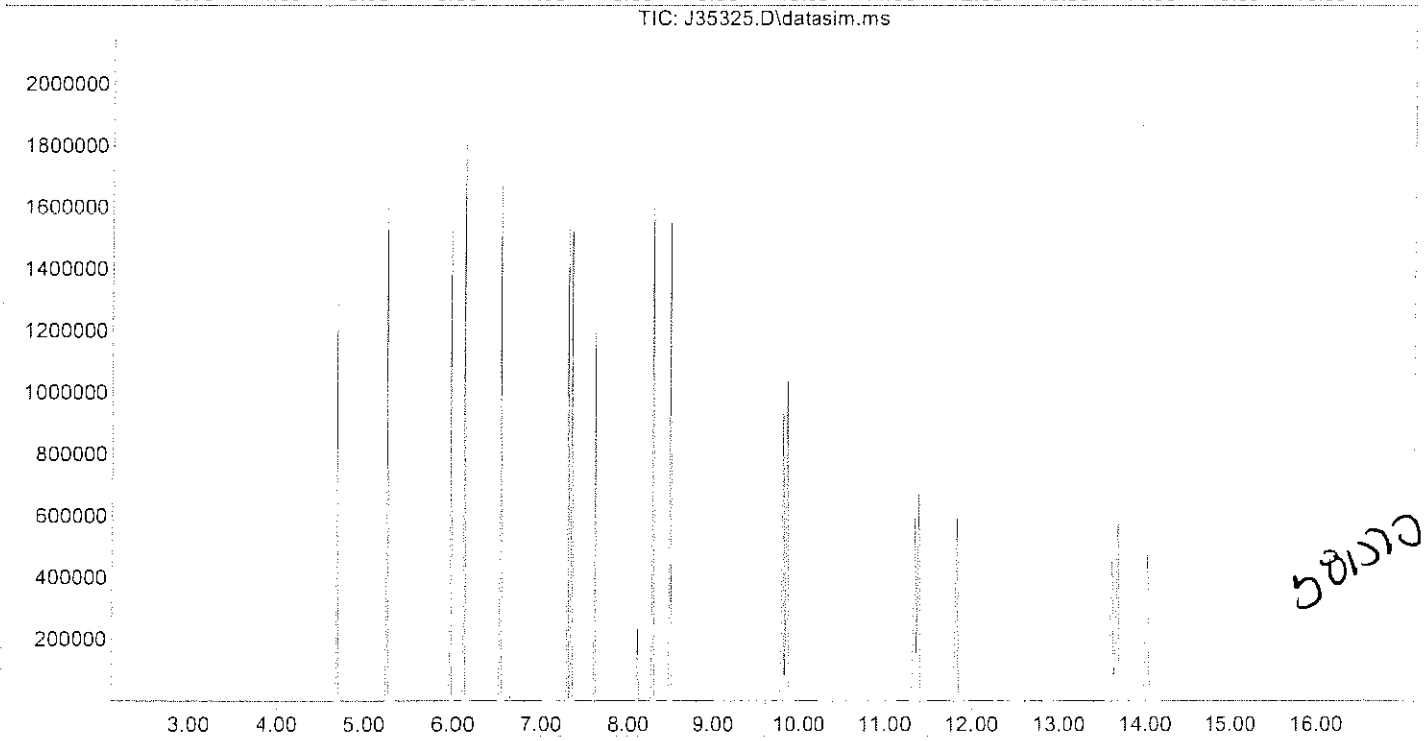
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35325.D
Acq On : 14 Aug 2010 5:33 am
Operator : MG/ALR
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 14 05:59:51 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

8/14/10





581370

Response Factor Report Instrument J

Method Path : C:\msdchem\1\METHODS\
Method File : ARG081310.M
Title : EPH GC AROMATICS
Last Update : Sat Aug 14 06:49:45 2010
Response Via : Initial Calibration

PM 8/14/10

Calibration Files

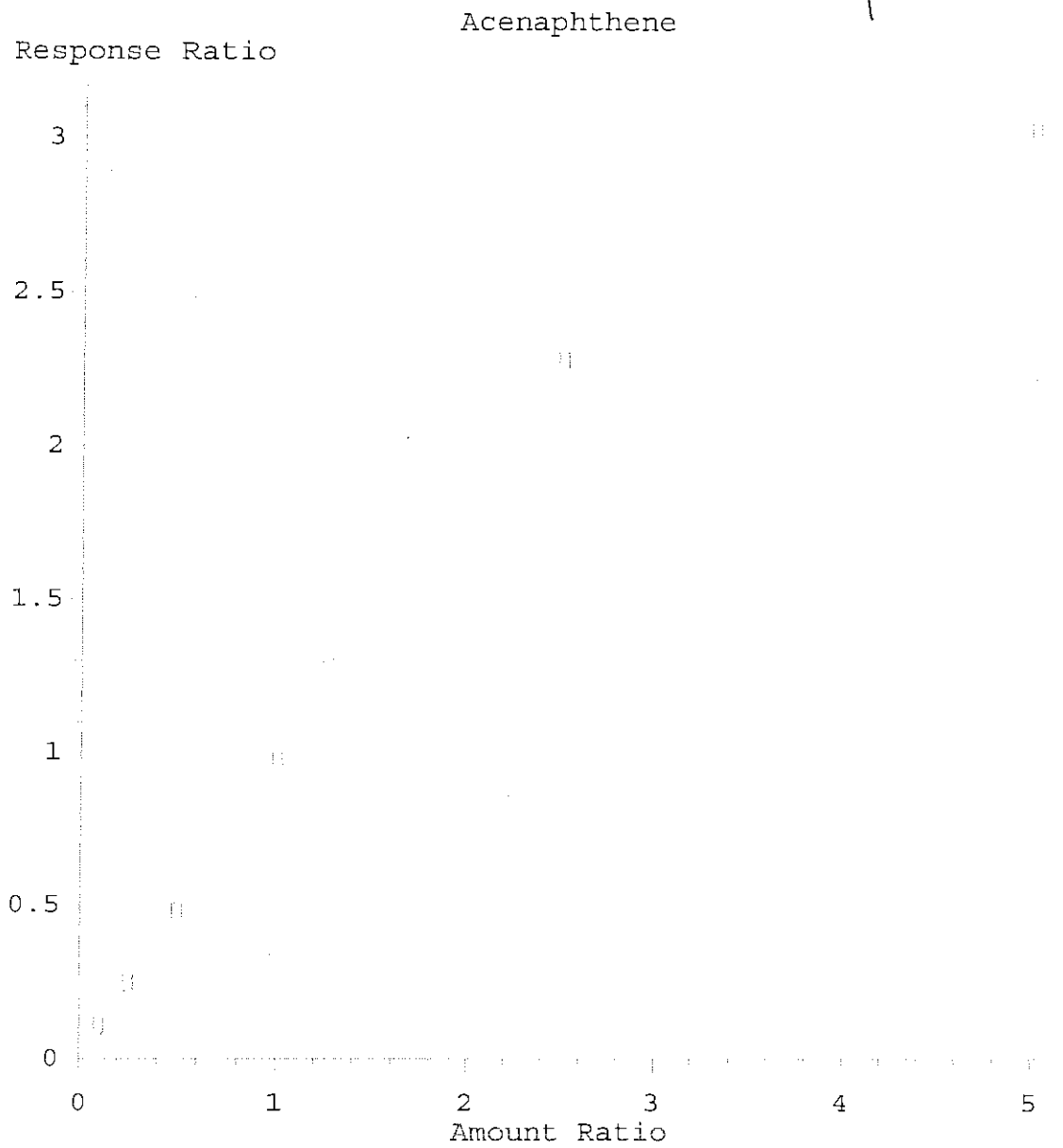
2	=J35319SI.D	5	=J35320SI.D	10	=J35321SI.D
20	=J35322SI.D	50	=J35323SI.D	100	=J35324SI.D

		Compound	2	5	10	20	50	100	Avg	%RSD
1)	I	5-alpha-Androstane	----------ISTD----------							
2)	TZ	Naphthalene	0.871	0.842	0.853	0.839	0.800	0.653	0.810	9.92
3)	TZ	2-Methylnapht...	0.962	0.920	0.893	0.897	0.830	0.670	0.862	12.01
4)	TZ	Acenaphthylene	0.911	0.879	0.882	0.882	0.833	0.693	0.847	9.39
5)	TZ	Acenaphthene	1.074	0.990	0.966	0.973	0.912	0.605	0.920	17.70 Q
6)	TZ	Fluorene	1.072	0.992	0.989	0.997	0.946	0.617	0.936	17.23 Q
7)	TZ	Phenanthrene	1.125	1.073	1.028	1.011	0.943	0.852	1.006	9.62
8)	TZ	Anthracene	1.086	0.997	0.955	0.976	0.918	0.819	0.958	9.23
9)	S	2-Fluorobiphenyl	0.965	0.968	0.931	0.927	0.891	0.781	0.910	7.64
10)	S	2-Bromonaphth...	0.784	0.750	0.758	0.754	0.726	0.471	0.707	16.58 Q
11)	S	o-terphenyl	1.406	1.293	1.244	1.237	1.175	1.102	1.243	8.33
12)	TZ	Fluoranthene	1.214	1.154	1.133	1.136	1.079	0.995	1.118	6.65
13)	TZ	Pyrene	1.269	1.196	1.164	1.185	1.135	1.045	1.166	6.35
14)	TZ	Benzo[a]anthr...	1.174	1.119	1.088	1.101	1.066	1.003	1.092	5.22
15)	TZ	Chrysene	1.213	1.135	1.113	1.113	1.056	0.958	1.098	7.78
16)	TZ	Benzo[b] fluo...	1.102	1.031	1.018	1.011	0.986	0.944	1.015	5.16
17)	TZ	Benzo[k] fluo...	1.153	1.058	1.039	1.017	0.984	0.931	1.030	7.26
18)	TZ	Benzo[a] pyrene	1.093	1.026	1.005	1.000	0.969	0.927	1.003	5.54
19)	TZ	Indeno [1,2,3...	0.903	0.867	0.855	0.861	0.871	0.988	0.891	5.67
20)	TZ	Dibenz [a,h] ...	1.057	0.992	0.960	0.940	0.916	0.598	0.910	17.62 Q
21)	TZ	Benzo(g,h,i)...	1.042	0.978	0.947	0.927	0.928	0.818	0.940	7.84
22)	XH	c11-c22	1.078	1.015	0.993	0.992	0.951	0.830	0.977	8.47

(#) = Out of Range

J 081510

PN 8/14/10

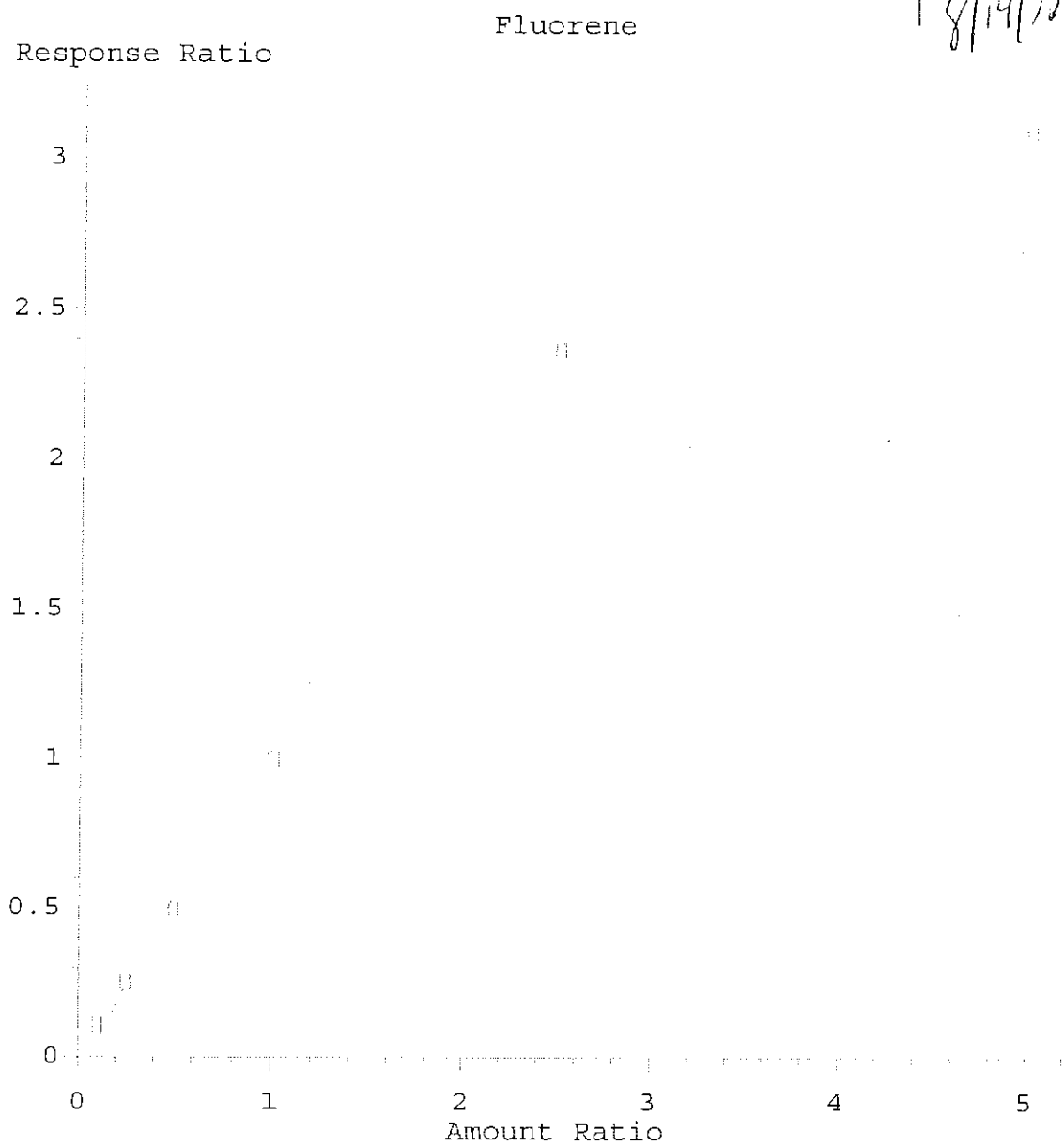


R = -1.19e-001 A*A + 1.22e+000 A - 6.09e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARG081310.M
Calibration Table Last Updated: Sat Aug 14 06:48:51 2010

0 21520

8/14/10



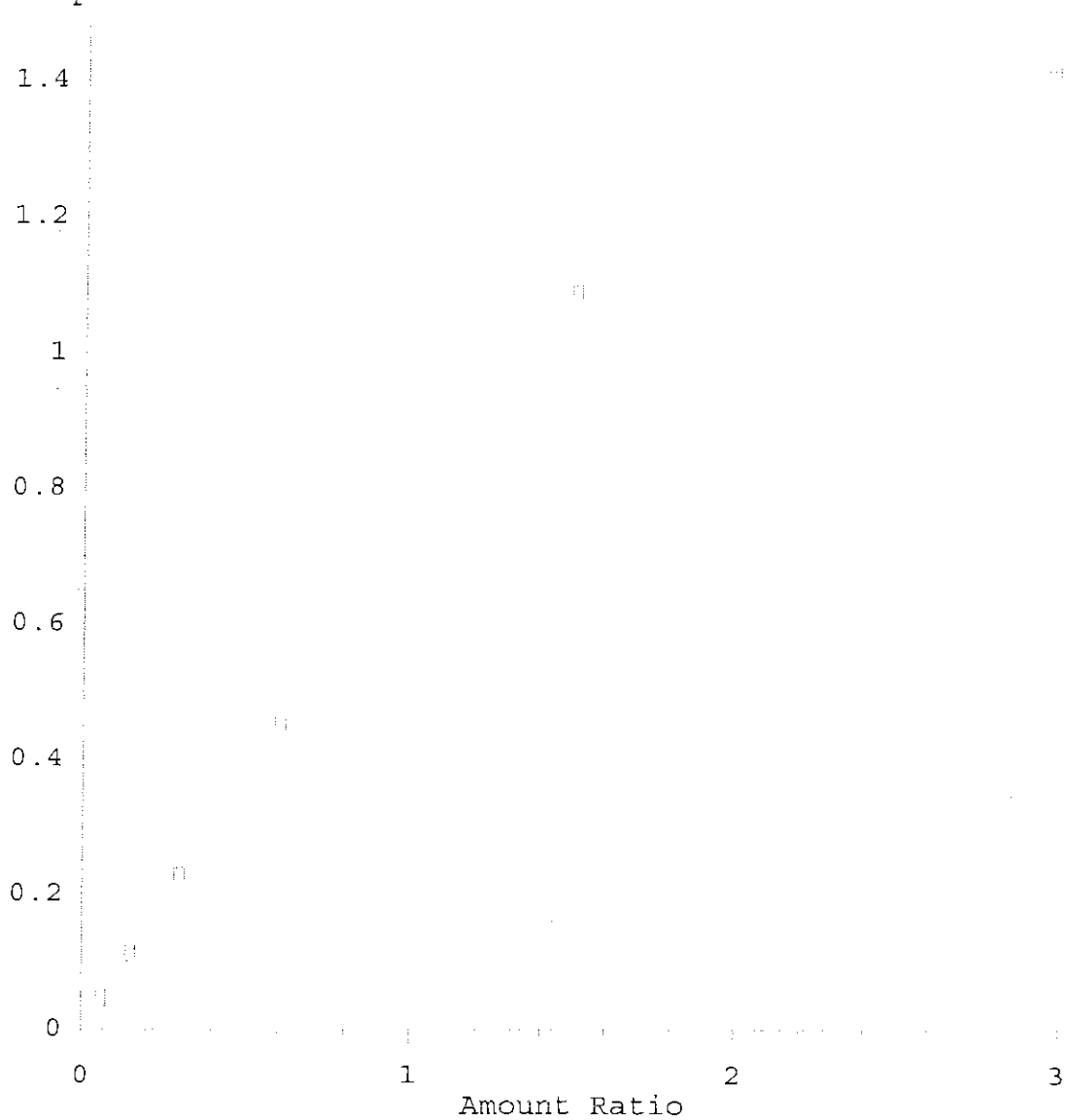
R = -1.28e-001 A*A + 1.27e+000 A - 7.40e-002
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARG081310.M
Calibration Table Last Updated: Sat Aug 14 06:49:22 2010

081070

8/14/10

2-Bromonaphthalene



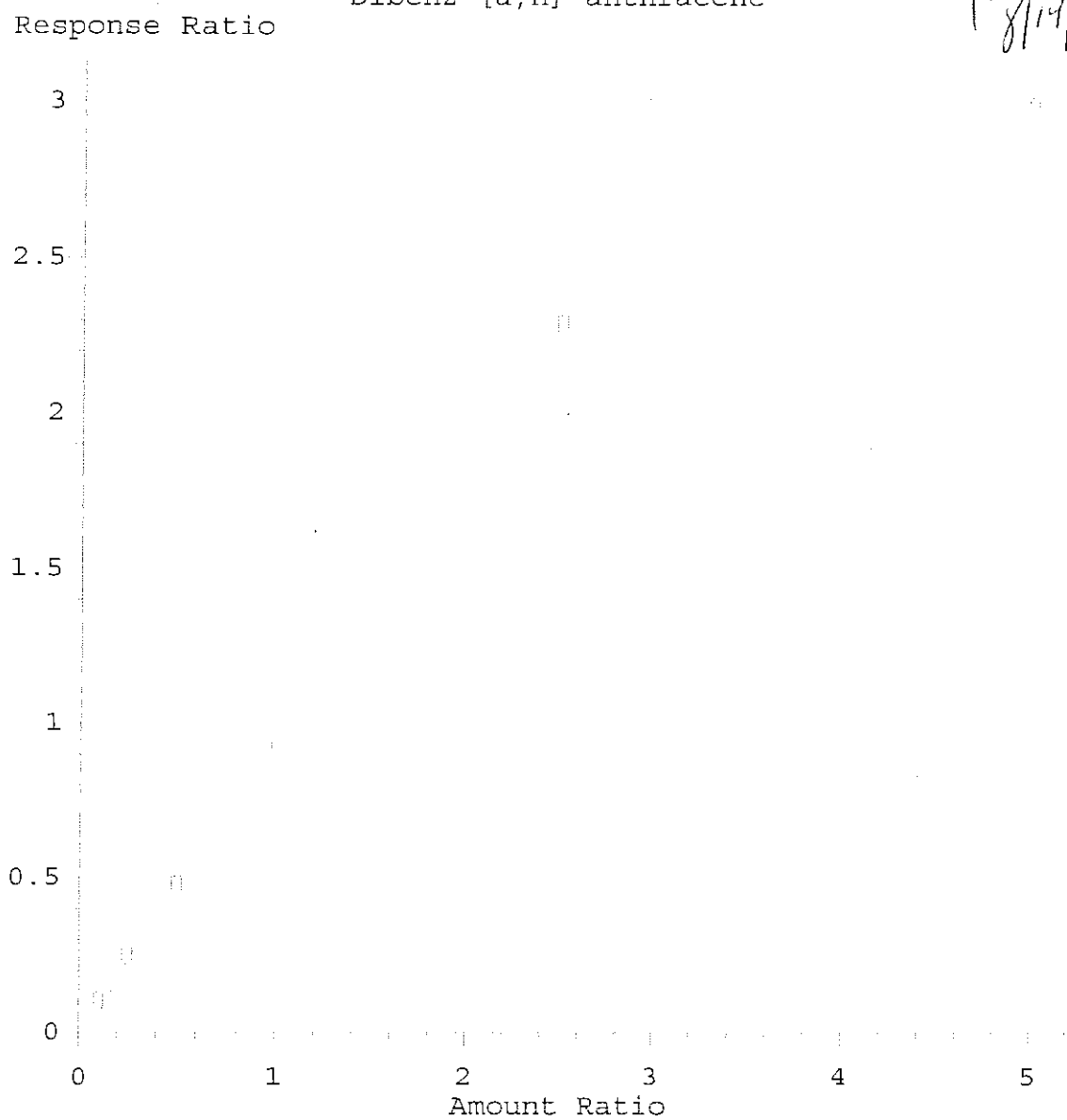
R = -1.65e-001 A*A + 9.80e-001 A - 3.68e-002
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARG081310.M
Calibration Table Last Updated: Sat Aug 14 06:49:28 2010

JE 152

Dibenz [a,h] anthracene

8/14/10



R = -1.22e-001 A*A + 1.22e+000 A - 6.93e-002
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARG081310.M
Calibration Table Last Updated: Sat Aug 14 06:49:36 2010

J81570

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35319SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 3:16 am
Operator : MG/ALR
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:40 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.099	21611898	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.552	1251464	1.287 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	6.43%#
10) S 2-Bromonaphthalene	6.080	1016344	1.337 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	6.68%#
11) S o-terphenyl	7.602	1215065	<MDL ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
Target Compounds			
2) TZ Naphthalene	4.682	1882289	2.227 ug/ml
3) TZ 2-Methylnaphthalene	5.246	2079838	2.239 ug/ml
4) TZ Acenaphthylene	5.968	1968507	2.108 ug/ml
5) TZ Acenaphthene	6.109	2321712	2.209 ug/ml
6) TZ Fluorene	6.527	2317579	2.189 ug/ml
7) TZ Phenanthrene	7.295	2432122	2.304 ug/ml
8) TZ Anthracene	7.337	2346259	2.205 ug/ml
12) TZ Fluoranthene	8.266	2623092	2.162 ug/ml
13) TZ Pyrene	8.467	2742010	2.139 ug/ml
14) TZ Benzo[a]anthracene	9.784	2538254	2.042 ug/ml
15) TZ Chrysene	9.831	2622456	2.131 ug/ml
16) TZ Benzo[b] fluoranthene	11.314	2381484	2.141 ug/ml
17) TZ Benzo[k] fluoranthene	11.358	2490837	2.158 ug/ml
18) TZ Benzo[a] pyrene	11.805	2362062	2.262 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.576	1951940	2.415 ug/ml
20) TZ Dibenz [a,h] anthracene	13.648	2283582	2.473 ug/ml
21) TZ Benzo(g,h,i) perylene	13.982	2252882	2.460 ug/ml
22) XH c11-c22	12.565	63248771	60.189 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int

8/15/10

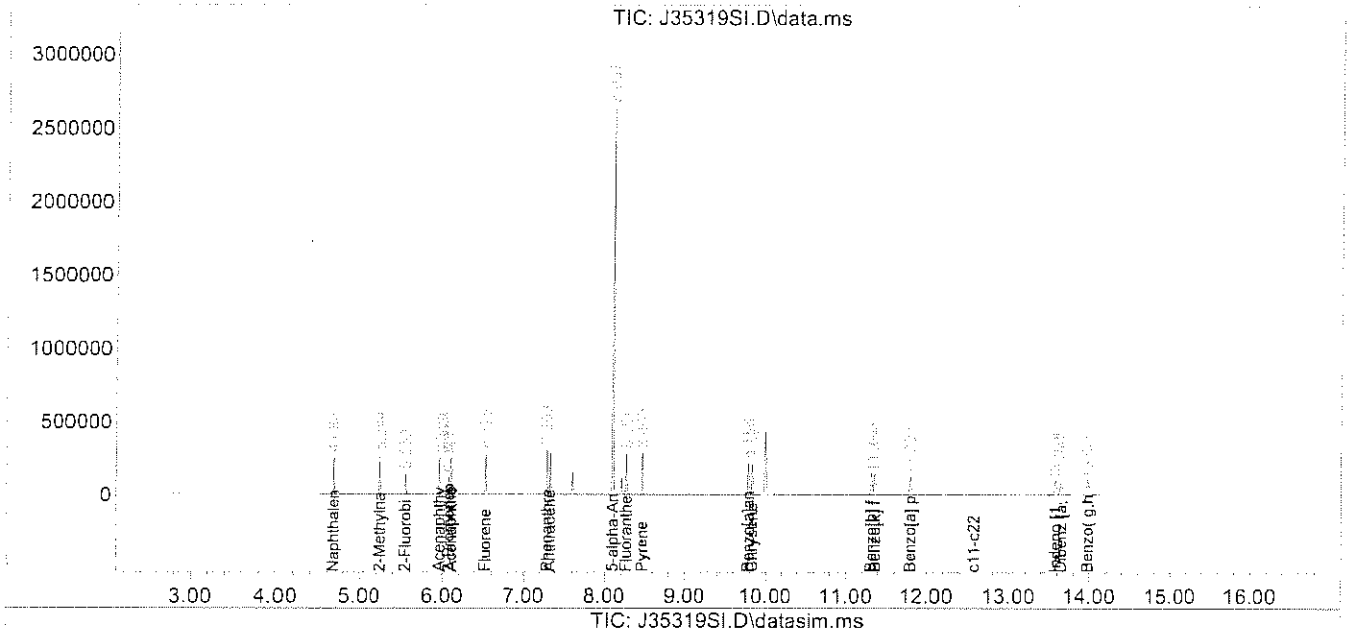
Quantitation Report (Not Reviewed)

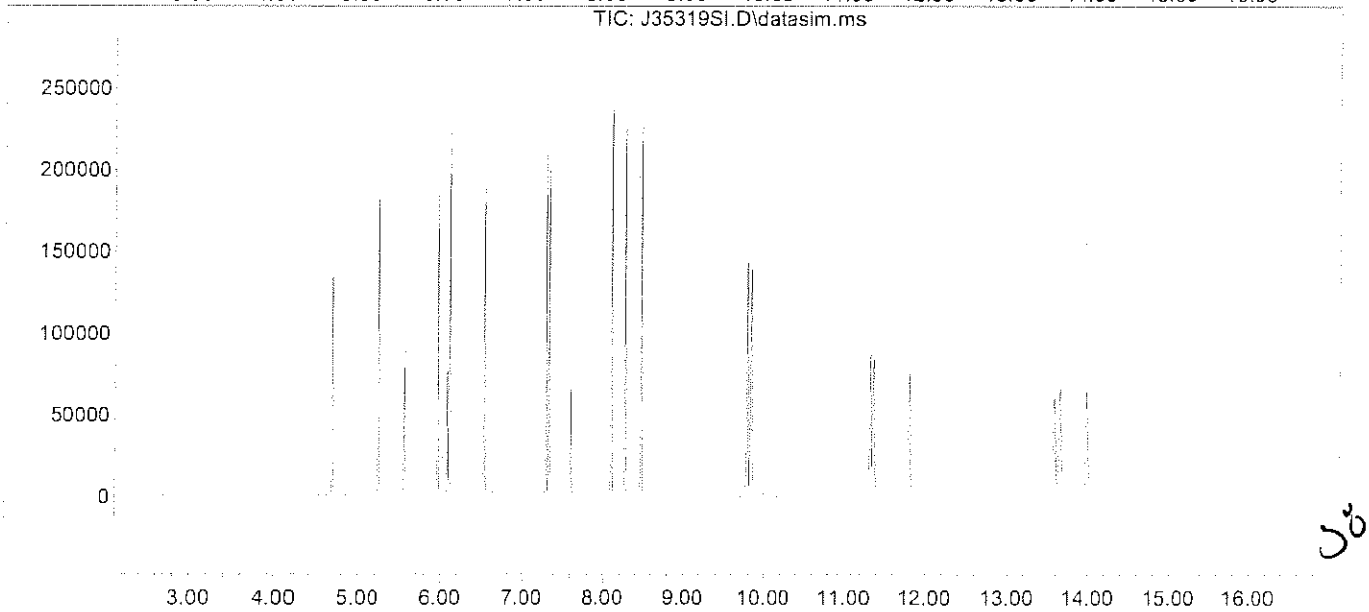
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35319SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 3:16 am
Operator : MG/ALR
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:40 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





301520

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35320SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 3:39 am
Operator : MG/ALR
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:41 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.099	21507353	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.551	3122786	3.226 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	16.13%#
10) S 2-Bromonaphthalene	6.079	2420343	3.200 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	16.00%#
11) S o-terphenyl	7.602	2781732	2.111 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	10.56%#
Target Compounds			
2) TZ Naphthalene	4.682	4527734	5.382 ug/ml
3) TZ 2-Methylnaphthalene	5.246	4947840	5.352 ug/ml
4) TZ Acenaphthylene	5.968	4727209	5.087 ug/ml
5) TZ Acenaphthene	6.110	5322188	5.089 ug/ml
6) TZ Fluorene	6.527	5335631	5.064 ug/ml
7) TZ Phenanthrene	7.296	5769938	5.492 ug/ml
8) TZ Anthracene	7.338	5359285	5.062 ug/ml
12) TZ Fluoranthene	8.266	6203952	5.138 ug/ml
13) TZ Pyrene	8.467	6429362	5.040 ug/ml
14) TZ Benzo[a]anthracene	9.787	6016406	4.865 ug/ml
15) TZ Chrysene	9.832	6104471	4.984 ug/ml
16) TZ Benzo[b] fluoranthene	11.318	5541168	5.005 ug/ml
17) TZ Benzo[k] fluoranthene	11.361	5687990	4.952 ug/ml
18) TZ Benzo[a] pyrene	11.809	5516254	5.308 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.581	4660671	5.794 ug/ml
20) TZ Dibenz [a,h] anthracene	13.651	5332722	5.804 ug/ml
21) TZ Benzo(g,h,i) perylene	13.988	5259735	5.772 ug/ml
22) XH c11-c22	12.565	117295171	112.163 ug/ml

081320

(f)=RT Delta > 1/2 Window (m)=manual int.

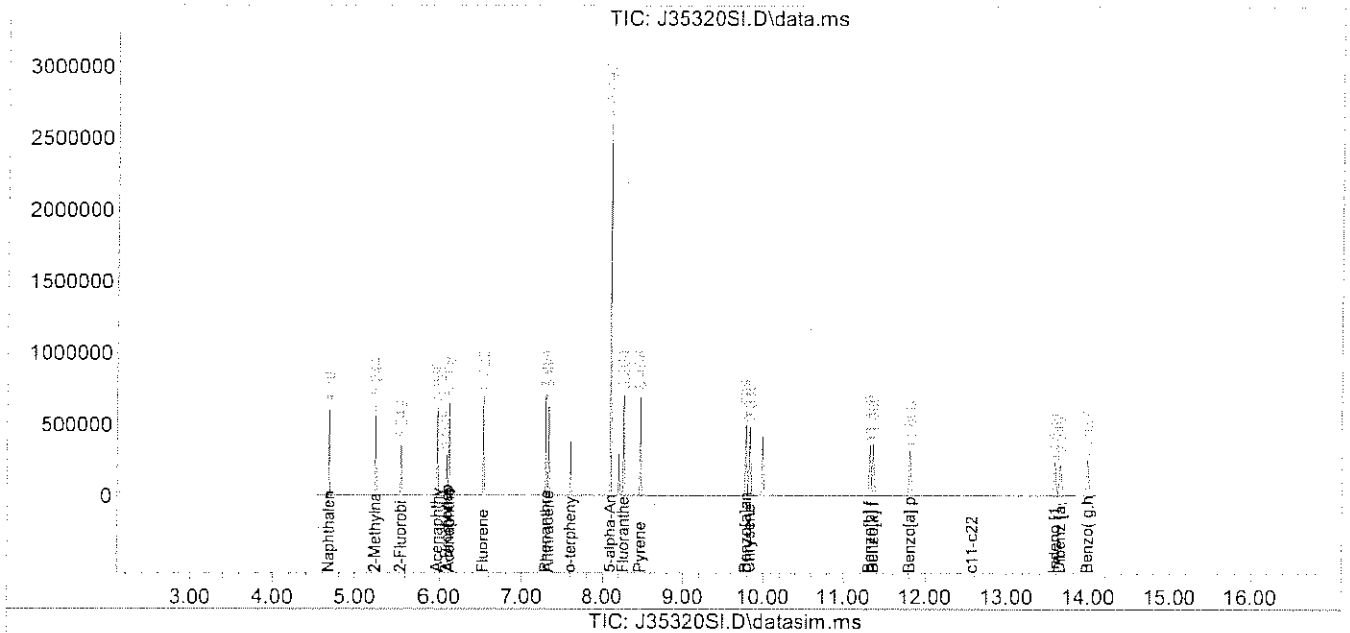
Quantitation Report (Not Reviewed)

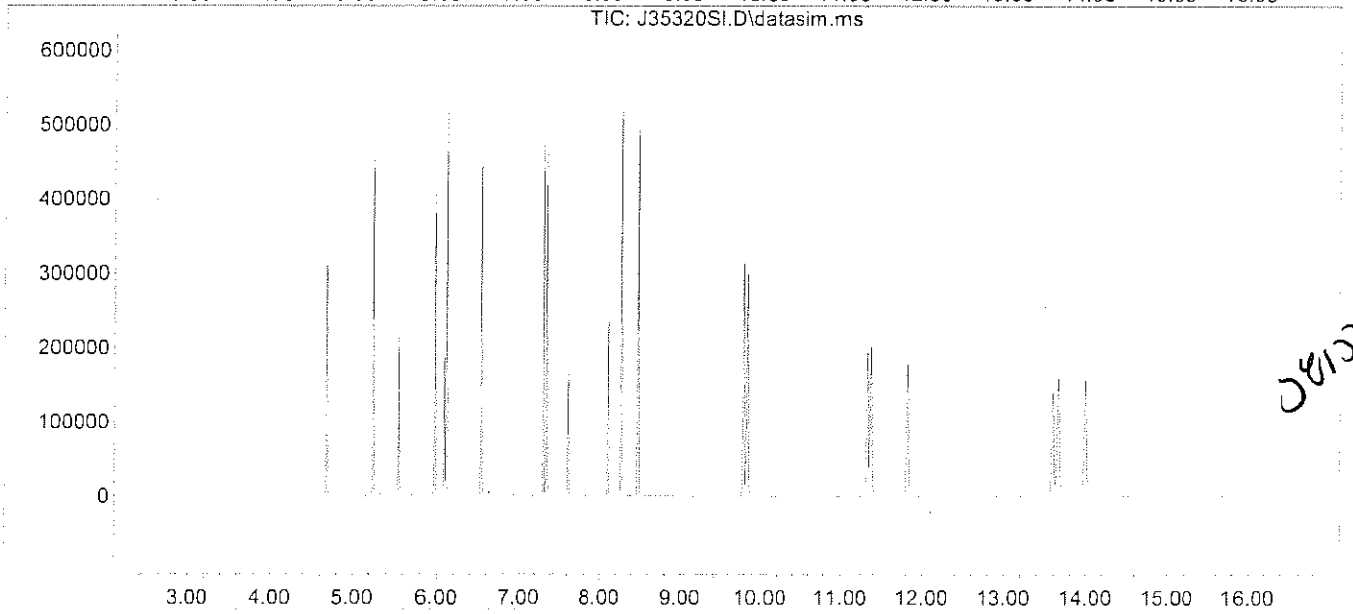
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35320SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 3:39 am
Operator : MG/ALR
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:41 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J81320

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35321SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 4:02 am
Operator : MG/ALR
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:42 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.100	21039600	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.551	5873971	6.203 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	31.02%#
10) S 2-Bromonaphthalene	6.080	4785891	6.468 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	32.34%#
11) S o-terphenyl	7.603	5235373	4.061 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	20.31%#
Target Compounds			
2) TZ Naphthalene	4.682	8970306	10.900 ug/ml
3) TZ 2-Methylnaphthalene	5.246	9389197	10.381 ug/ml
4) TZ Acenaphthylene	5.968	9283109	10.212 ug/ml
5) TZ Acenaphthene	6.111	10162510	9.932 ug/ml
6) TZ Fluorene	6.527	10405769	10.096 ug/ml
7) TZ Phenanthrene	7.297	10817647	10.526 ug/ml
8) TZ Anthracene	7.340	10043732	9.697 ug/ml
12) TZ Fluoranthene	8.268	11916993	10.089 ug/ml
13) TZ Pyrene	8.469	12247380	9.813 ug/ml
14) TZ Benzo[a]anthracene	9.789	11443087	9.458 ug/ml
15) TZ Chrysene	9.835	11705028	9.770 ug/ml
16) TZ Benzo[b] fluoranthene	11.323	10707502	9.887 ug/ml
17) TZ Benzo[k] fluoranthene	11.367	10925780	9.724 ug/ml
18) TZ Benzo[a] pyrene	11.814	10573233	10.401 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.590	8995544	11.432 ug/ml
20) TZ Dibenz [a,h] anthracene	13.658	10099662	11.236 ug/ml
21) TZ Benzo(g,h,i) perylene	13.999	9960606	11.174 ug/ml
22) XH c11-c22	12.565	204589848	199.988 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int

381570

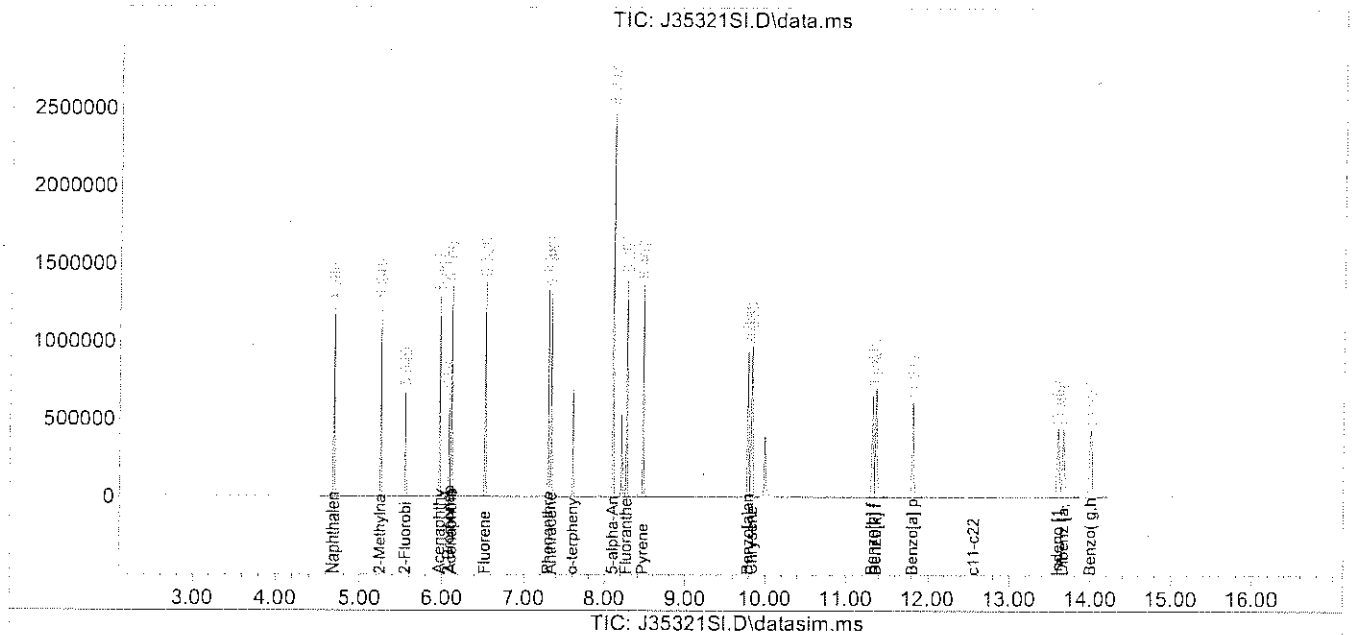
Quantitation Report (Not Reviewed)

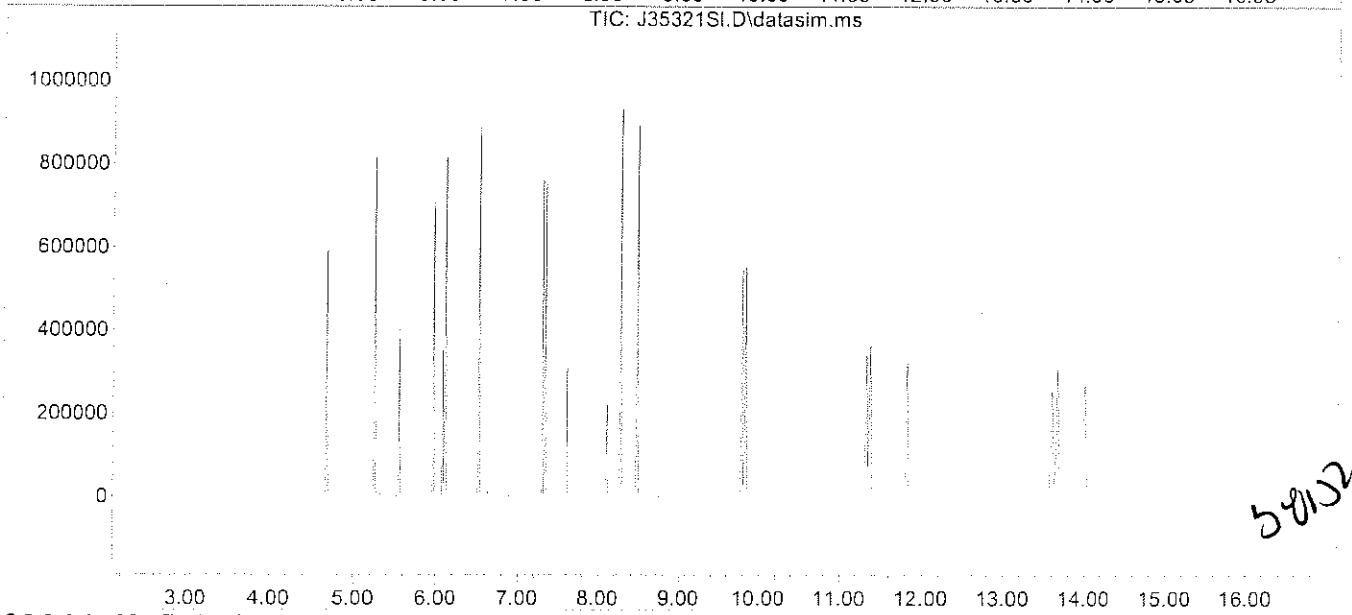
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35321SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 4:02 am
Operator : MG/ALR
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:42 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

a 8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





581520

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35322SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 4:25 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:43 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.099	22359161	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.553	12437202	12.358 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	61.79%
10) S 2-Bromonaphthalene	6.081	10121384	12.871 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.36%
11) S o-terphenyl	7.604	11060120	8.072 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	40.36%
Target Compounds			
2) TZ Naphthalene	4.683	18765485	21.457 ug/ml
3) TZ 2-Methylnaphthalene	5.249	20046379	20.857 ug/ml
4) TZ Acenaphthylene	5.970	19728039	20.422 ug/ml
5) TZ Acenaphthene	6.112	21765308	20.017 ug/ml
6) TZ Fluorene	6.530	22282537	20.344 ug/ml
7) TZ Phenanthrene	7.299	22603175	20.695 ug/ml
8) TZ Anthracene	7.342	21830627	19.833 ug/ml
12) TZ Fluoranthene	8.271	25406788	20.241 ug/ml
13) TZ Pyrene	8.473	26496622	19.978 ug/ml
14) TZ Benzo[a]anthracene	9.795	24627773	19.155 ug/ml
15) TZ Chrysene	9.844	24895818	19.553 ug/ml
16) TZ Benzo[b] fluoranthene	11.332	22607953	19.643 ug/ml
17) TZ Benzo[k] fluoranthene	11.380	22748058	19.052 ug/ml
18) TZ Benzo[a] pyrene	11.826	22351039	20.689 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.606	19242821	23.012 ug/ml
20) TZ Dibenz [a,h] anthracene	13.674	21007861	21.992 ug/ml
21) TZ Benzo(g,h,i) perylene	14.017	20722523	21.874 ug/ml
22) XH c11-c22	12.565	410321842	377.421 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int 38170

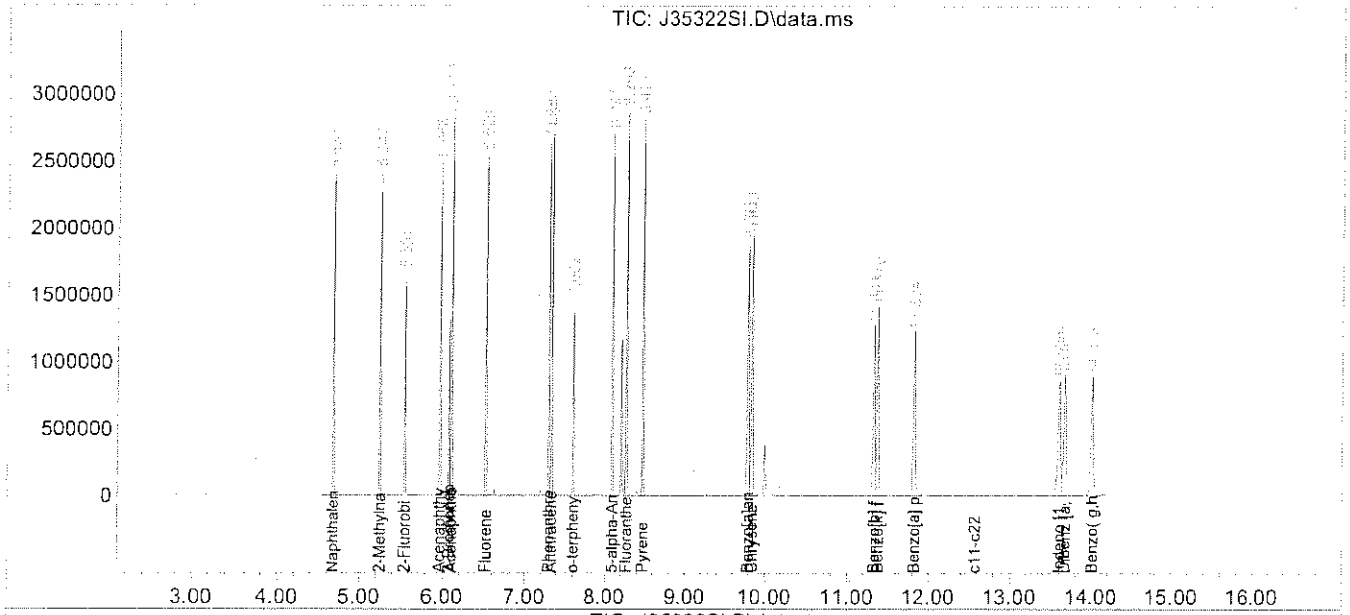
Quantitation Report (Not Reviewed)

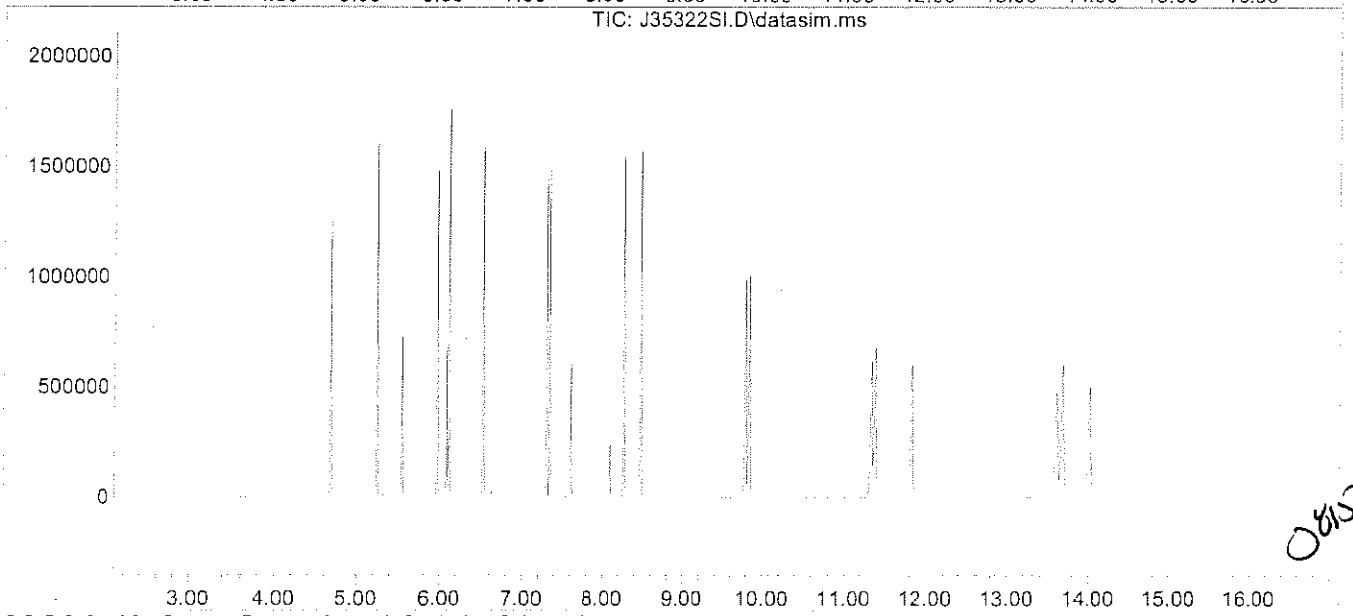
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35322SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 4:25 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:43 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

MR 8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





081320

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35323SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 4:48 am
Operator : MG/ALR
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:44 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.098	19848586	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.554	26526822	29.693 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	148.47%#
10) S 2-Bromonaphthalene	6.084	21607856	30.953 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	154.76%#
11) S o-terphenyl	7.605	23323124	19.175 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	95.88%
Target Compounds			
2) TZ Naphthalene	4.687	39721597	51.163 ug/ml
3) TZ 2-Methylnaphthalene	5.252	41174030	48.257 ug/ml
4) TZ Acenaphthylene	5.974	41344200	48.211 ug/ml
5) TZ Acenaphthene	6.117	45268985	46.899 ug/ml
6) TZ Fluorene	6.534	46941802	48.279 ug/ml
7) TZ Phenanthrene	7.304	46817317	48.287 ug/ml
8) TZ Anthracene	7.346	45575687	46.642 ug/ml
12) TZ Fluoranthene	8.277	53546440	48.054 ug/ml
13) TZ Pyrene	8.479	56340871	47.852 ug/ml
14) TZ Benzo[a]anthracene	9.804	52900718	46.348 ug/ml
15) TZ Chrysene	9.856	52401819	46.362 ug/ml
16) TZ Benzo[b] fluoranthene	11.346	48902145	47.864 ug/ml
17) TZ Benzo[k] fluoranthene	11.400	48840982	46.078 ug/ml
18) TZ Benzo[a] pyrene	11.846	48097629	50.151 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.631	43197940	58.194 ug/ml
20) TZ Dibenz [a,h] anthracene	13.701	45455539	53.604 ug/ml
21) TZ Benzo(g,h,i) perylene	14.048	46064496	54.775 ug/ml
22) XH c11-c22	12.565	853939254	884.819 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

081570

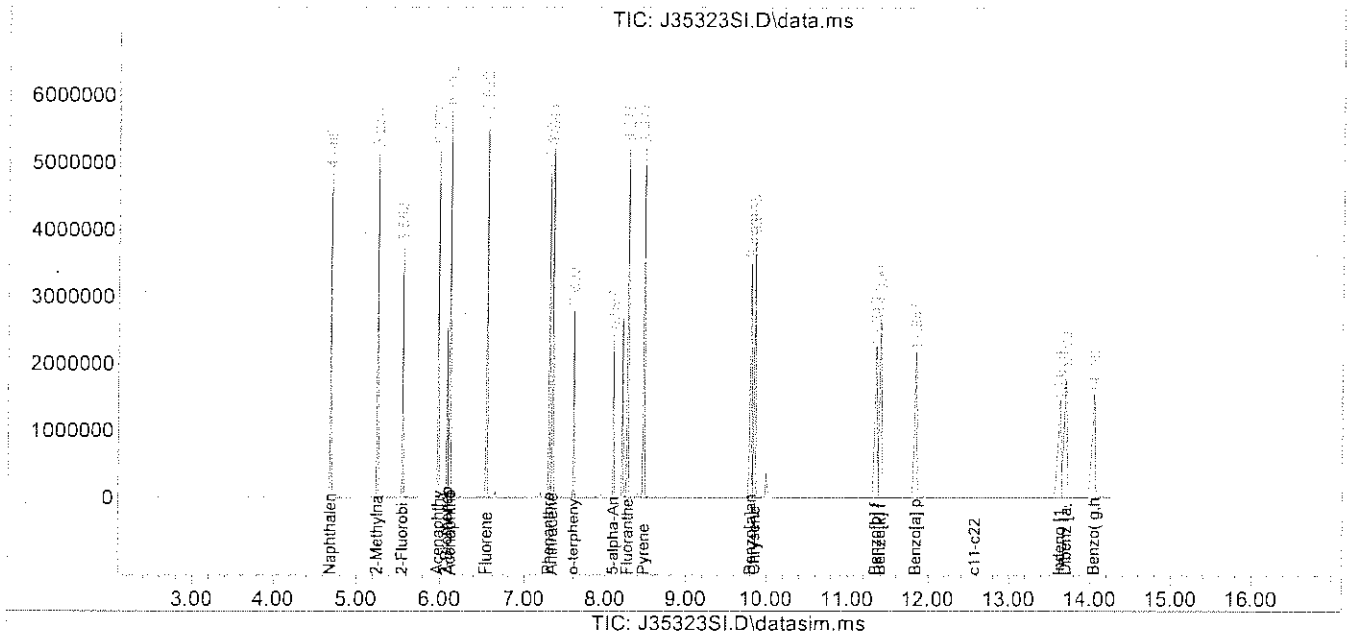
Quantitation Report (Not Reviewed)

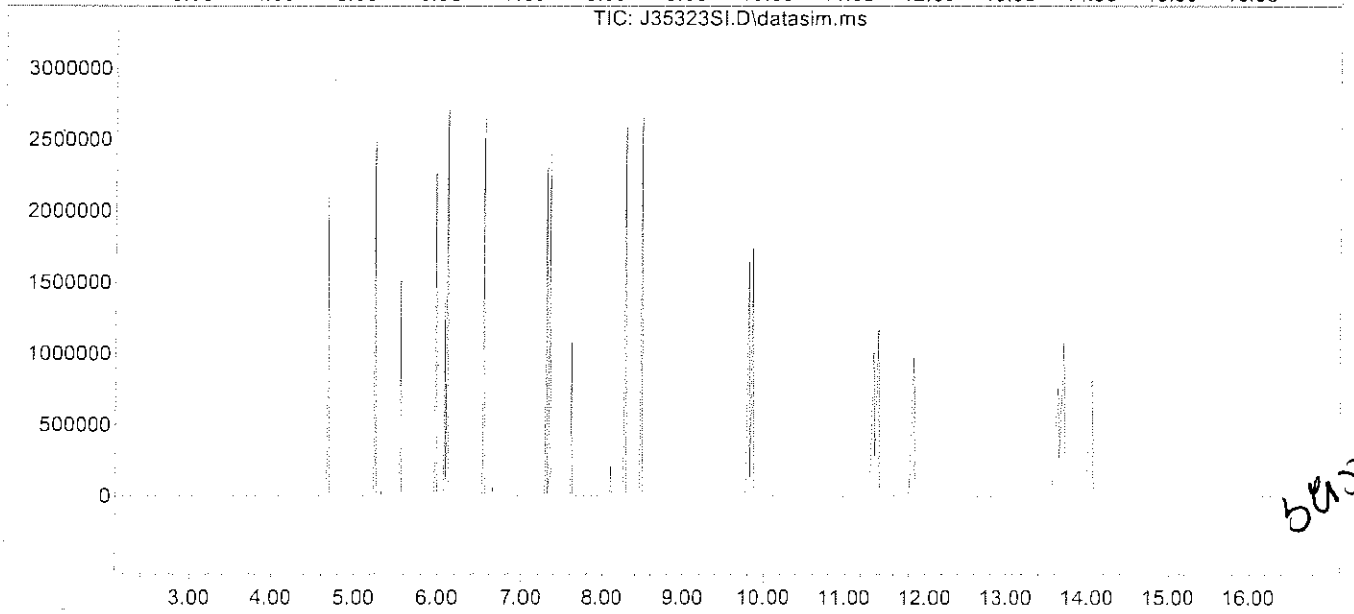
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35323SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 4:48 am
Operator : MG/ALR
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:44 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





58020

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:37:40 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.099	20152380	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.557	47198751	52.036 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	260.18%#
10) S 2-Bromonaphthalene	6.088	28464557	40.160 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	200.80%#
11) S o-terphenyl	7.608	44404099	35.956 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	179.78%#
Target Compounds			
2) TZ Naphthalene	4.691	65764097	83.431 ug/ml
3) TZ 2-Methylnaphthalene	5.256	67482673	77.899 ug/ml
4) TZ Acenaphthylene	5.979	69809276	80.177 ug/ml
5) TZ Acenaphthene	6.123	61011162	62.255 ug/ml
6) TZ Fluorene	6.538	62208940	63.017 ug/ml
7) TZ Phenanthrene	7.310	85874480	87.235 ug/ml
8) TZ Anthracene	7.354	82498008	83.156 ug/ml
12) TZ Fluoranthene	8.285	100259633	88.620 ug/ml
13) TZ Pyrene	8.490	105277215	88.067 ug/ml
14) TZ Benzo[a]anthracene	9.819	101052760	87.202 ug/ml
15) TZ Chrysene	9.872	96557997	84.141 ug/mlm
16) TZ Benzo[b] fluoranthene	11.369	95123191	91.699 ug/ml
17) TZ Benzo[k] fluoranthene	11.427	93766434	87.129 ug/mlm
18) TZ Benzo[a] pyrene	11.874	93449902	95.971 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.694	99531089	132.061 ug/ml
20) TZ Dibenz [a,h] anthracene	13.737	60302166	70.040 ug/mlm
21) TZ Benzo(g,h,i) perylene	14.088	82422289	96.530 ug/ml
22) XH c11-c22	12.565	1512500257	1543.570 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int

081320

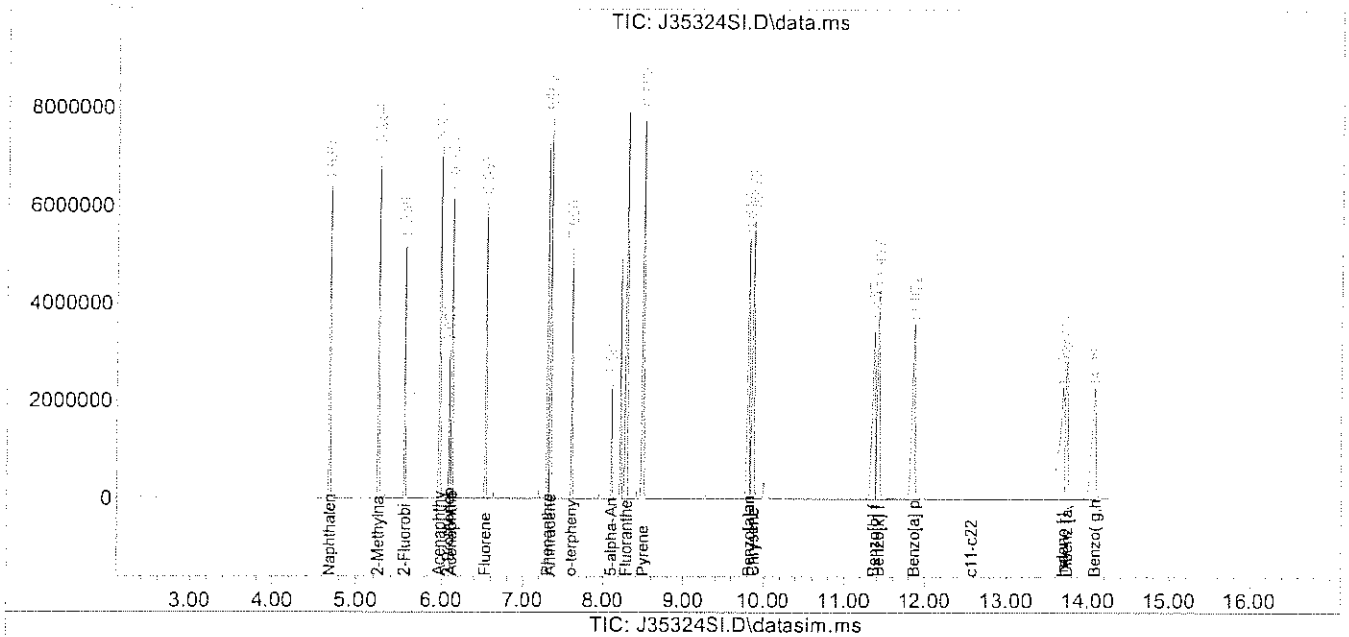
Quantitation Report (Not Reviewed)

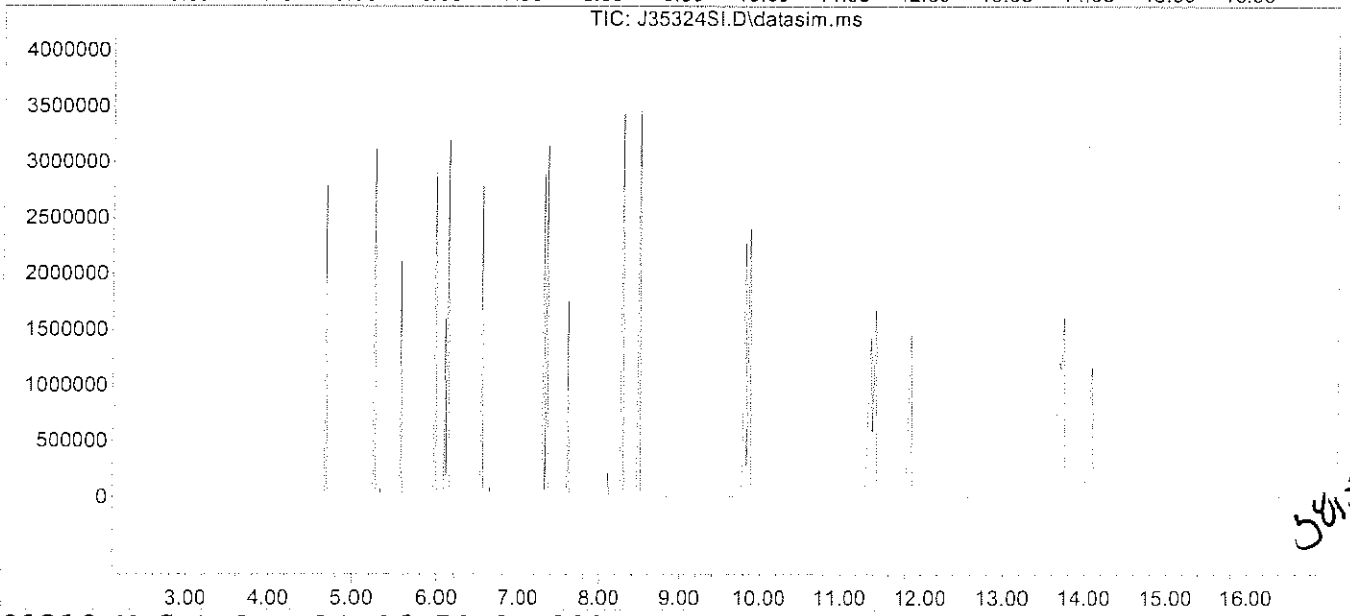
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:37:40 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

OK 8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





581520

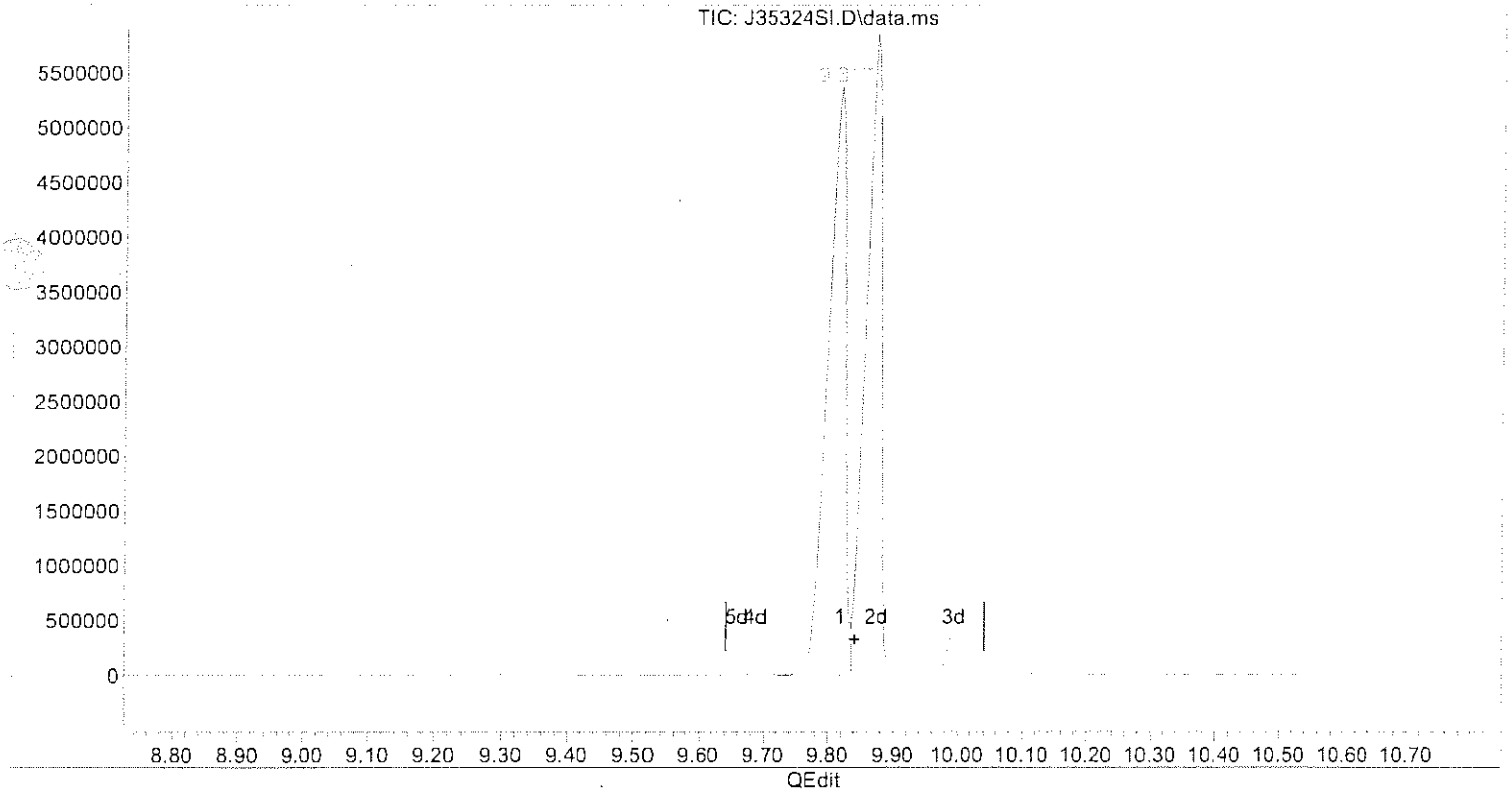
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:45 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

WP



(15) Chrysene (TZ)
9.819min 88.058ug/ml
response 101052760

081320

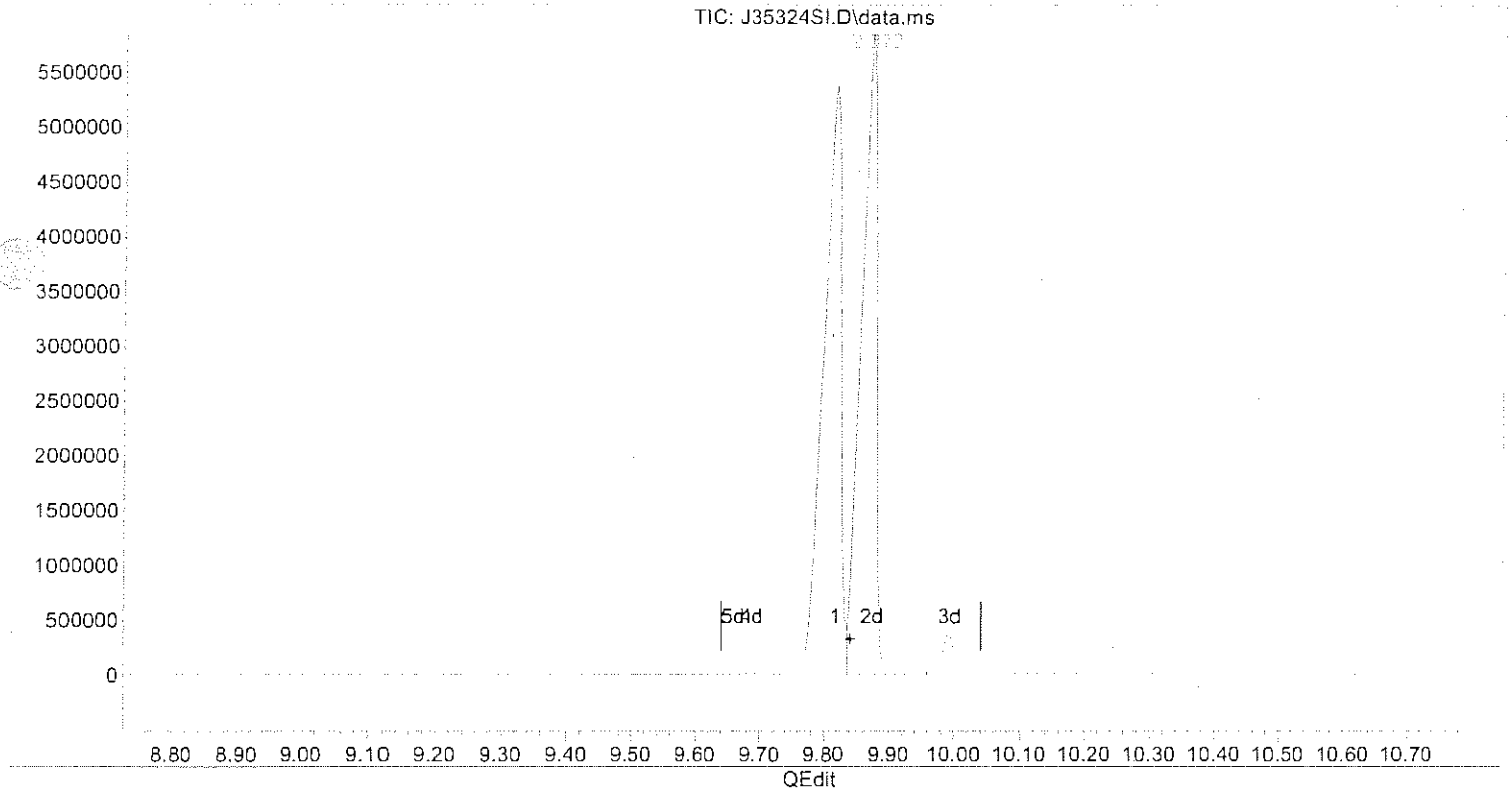
(+) = Expected Retention Time
ARG081310.M Sat Aug 14 06:36:22 2010

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:45 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) Chrysene (TZ)
9.872min 84.141ug/ml m
response 96557997

341570

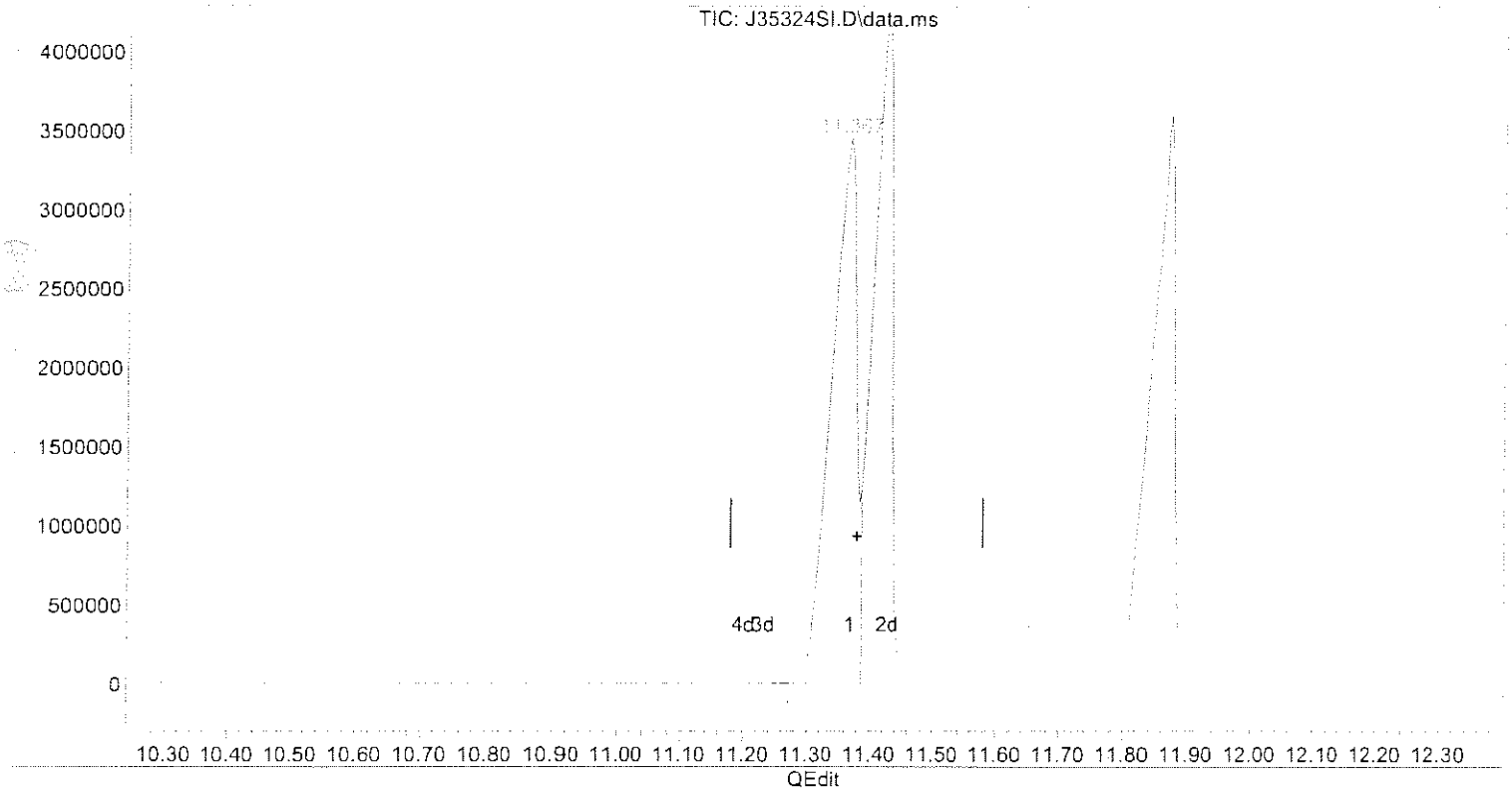
(+) = Expected Retention Time
ARG081310.M Sat Aug 14 06:36:29 2010

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:45 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

OK 8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) Benzo[k] fluoranthene (TZ)
11.369min 88.389ug/ml
response 95123191

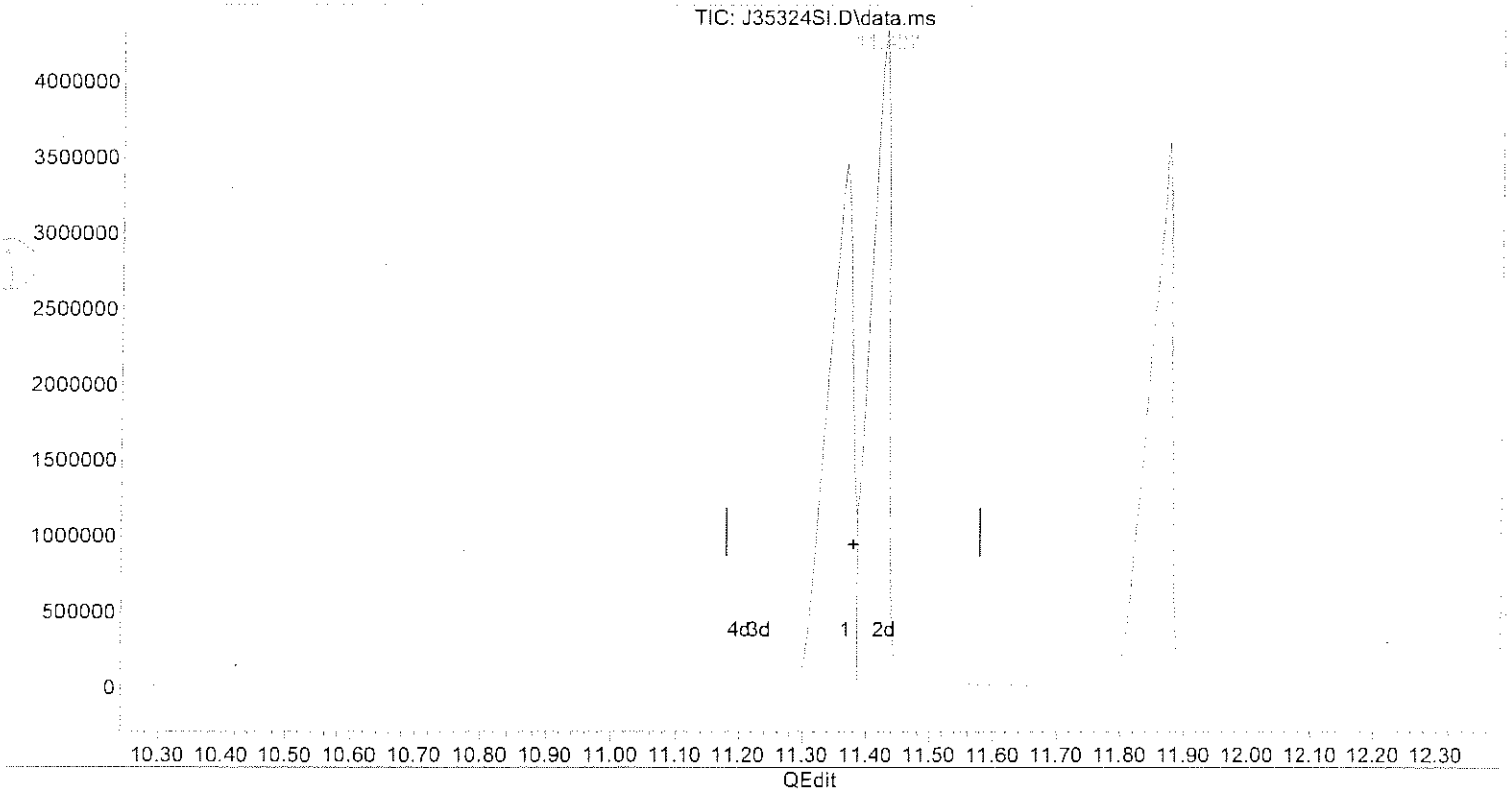
(+) = Expected Retention Time
ARG081310.M Sat Aug 14 06:36:34 2010

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:45 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) Benzo[k] fluoranthene (TZ)
11.427min 87.129ug/ml m
response 93766434

341570

(+) = Expected Retention Time
ARG081310.M Sat Aug 14 06:36:42 2010

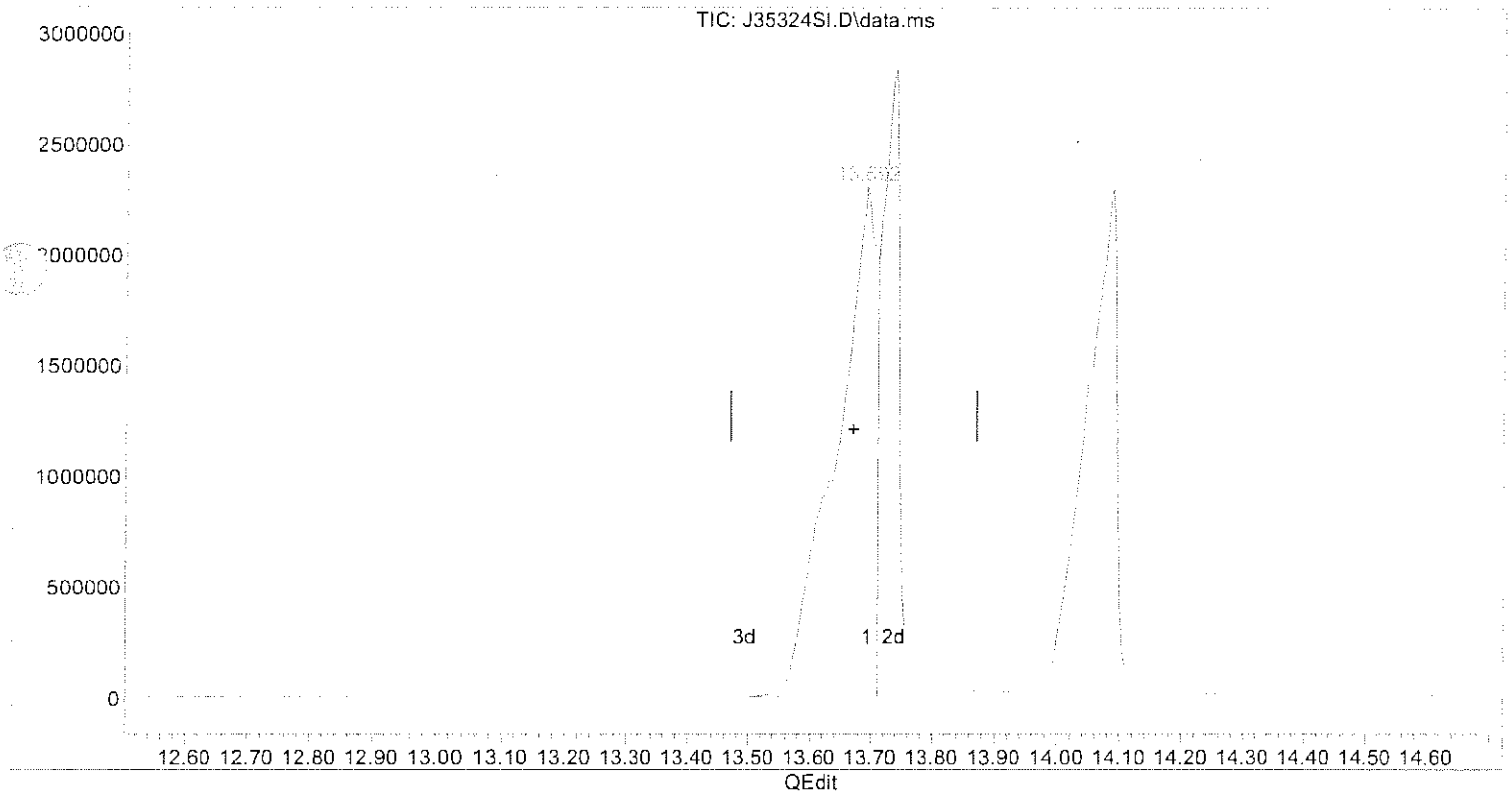
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:45 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

MR 8/14/10

WP

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) Dibenz [a,h] anthracene (TZ)
13.694min 115.604ug/ml
response 99531089

081320

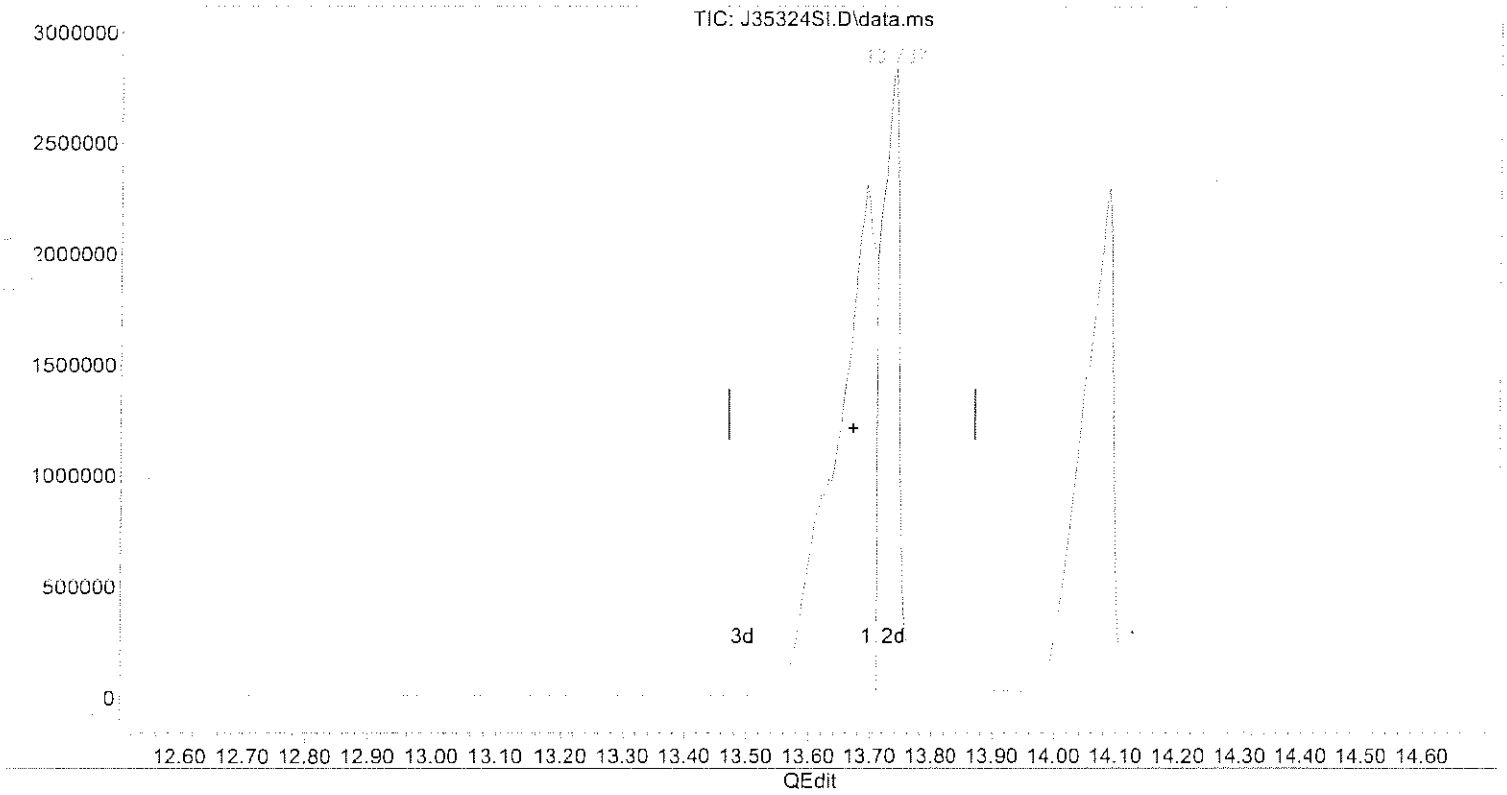
(+) = Expected Retention Time
ARG081310.M Sat Aug 14 06:37:36 2010

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35324SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:10 am
Operator : MG/ALR
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:23:45 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:14:01 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) Dibenz [a,h] anthracene (TZ)
13.737min 70.040ug/ml m
response 60302166

081310

(+) = Expected Retention Time
ARG081310.M Sat Aug 14 06:37:44 2010

GC AROMATIC
2ND SOURCE
CHECK

Data File Name J35325.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/14/2010 5:33

8/14/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.90	20	109%	OK	21.90		
2-Methylnaphthalene	21.30	20	106%	OK	21.30		
Acenaphthylene	21.63	20	108%	OK	21.63		
Acenaphthene	19.90	20	99%	OK	19.90		
Fluorene	19.24	20	96%	OK	19.24		
Phenanthrene	21.35	20	107%	OK	21.35		
Anthracene	21.30	20	107%	OK	21.30		
Fluoranthene	21.39	20	107%	OK	21.39		
Pyrene	20.58	20	103%	OK	20.58		
Benzo[a]anthracene	20.21	20	101%	OK	20.21		
Chrysene	20.65	20	103%	OK	20.65		
Benzo[b] fluoranthene	19.76	20	99%	OK	19.76		
Benzo[k] fluoranthene	19.73	20	99%	OK	19.73		
Benzo[a] pyrene	20.29	20	101%	OK	20.29		
Indeno [1,2,3-cd] pyrene	19.24	20	96%	OK	19.24		
Dibenz [a,h] anthracene	18.07	20	90%	OK	18.07		
Benzo(g,h,i) perylene	19.40	20	97%	OK	19.40		
c11-c22		340			**345.94**	102%	OK
o-terphenyl	19.40	20	97%	OK			

JB/15/10

8/14/2010 6:51 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG ICV SUMPRCT.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35325.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:33 am
Operator : MG/ALR
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:50:35 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.099	21822311	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.554	66618	<MDL ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
10) S 2-Bromonaphthalene	6.054	3996	<MDL ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
11) S o-terphenyl	7.605	26301789	19.397 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	96.98%
Target Compounds			
2) TZ Naphthalene	4.687	19343710	21.895 ug/ml
3) TZ 2-Methylnaphthalene	5.250	20029516	21.299 ug/ml
4) TZ Acenaphthylene	5.970	19985890	21.631 ug/ml
5) TZ Acenaphthene	6.112	22505007	19.899 ug/ml
6) TZ Fluorene	6.529	22531448	19.236 ug/ml
7) TZ Phenanthrene	7.299	23428319	21.353 ug/ml
8) TZ Anthracene	7.341	22280047	21.305 ug/ml
12) TZ Fluoranthene	8.270	26106588	21.392 ug/ml
13) TZ Pyrene	8.472	26174126	20.579 ug/ml
14) TZ Benzo[a]anthracene	9.794	24076180	20.208 ug/ml
15) TZ Chrysene	9.843	24739741	20.646 ug/ml
16) TZ Benzo[b] fluoranthene	11.330	21890586	19.763 ug/ml
17) TZ Benzo[k] fluoranthene	11.377	22179575	19.731 ug/ml
18) TZ Benzo[a] pyrene	11.823	22213513	20.290 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.603	18699077	19.241 ug/ml
20) TZ Dibenz [a,h] anthracene	13.671	20425521	18.066 ug/ml
21) TZ Benzo(g,h,i) perylene	14.014	19903762	19.404 ug/ml
22) XH c11-c22	12.565	423781056	397.692 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int

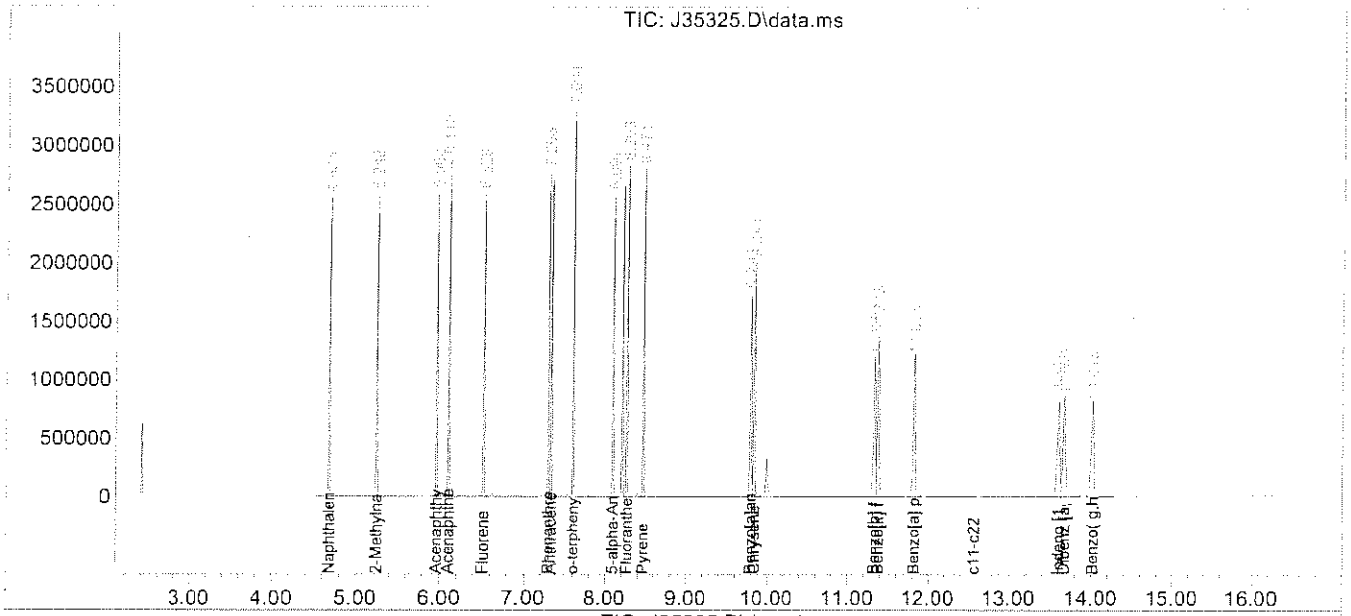
Quantitation Report (Not Reviewed)

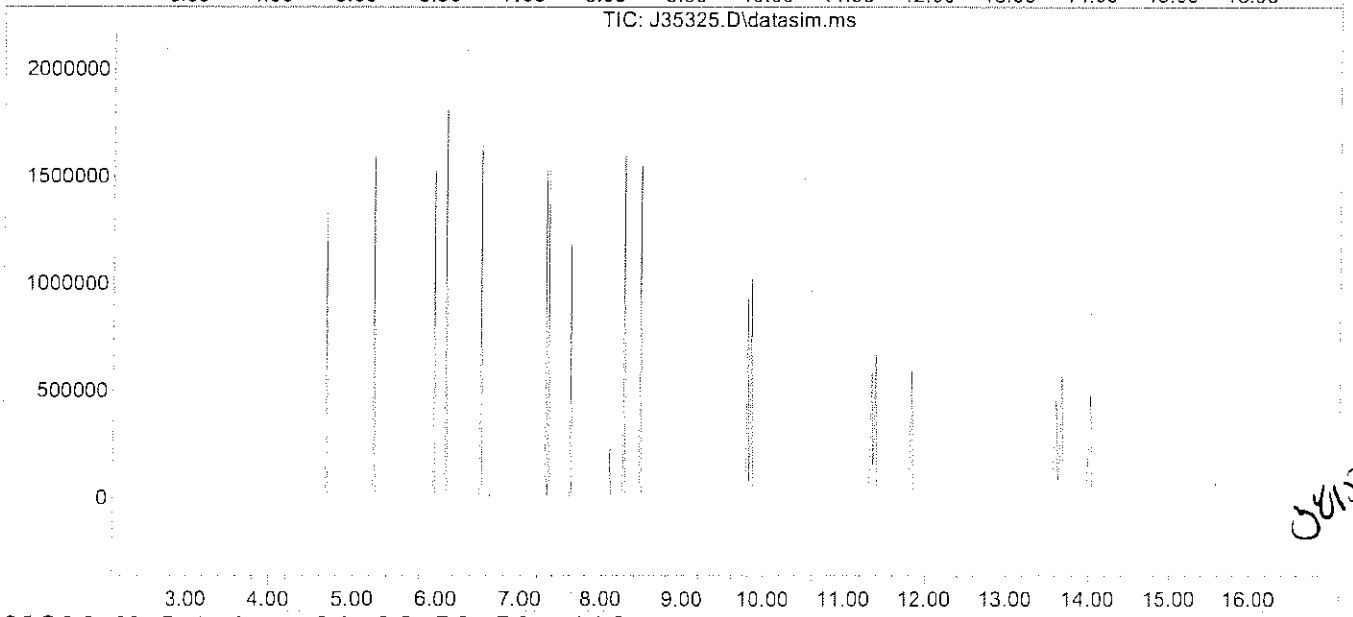
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35325.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 5:33 am
Operator : MG/ALR
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 14 06:50:35 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

8/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





081320

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

8/14/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S9936 ALI 40
Data File ID: D71830SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.8	2.0	
C-10	41.9	4.9	
C-12	40.1	0.4	
C-14	39.7	0.7	
C-16	40.3	0.9	
C-18	39.5	1.4	
C-19	38.9	2.7	
C-20	39.9	0.4	
1-Chlorooctadecane	16.3	1.9	
C-22	38.8	3.0	
C-24	38.7	3.2	
C-26	37.8	5.5	
C-28	37.4	6.6	
C-30	39.5	1.2	
C-36	36.5	8.7	

C9-C18 Aliphatics	242.4	1.0	
C19-C36 Aliphatics	307.5	3.9	

Maximum Allowed % Difference (except C-9): 25

Maximum Allowed % Difference C-9: 30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 5/14/10

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71830SC.D
Acq On : 14 Aug 2010 7:41 am
Sample : S9936 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Aug 14 8:07 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

8/14/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.93	6712681	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.02	6716944	16.306 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	81.53%
Target Compounds			
2) TZM C-9	4.14	16999104	40.783 ug/ml
3) TZM C-10	5.11	17881385	41.949 ug/ml
4) TZM C-12	6.59	18378640	40.148 ug/ml
5) TZM C-14	7.77	18656275	39.737 ug/ml
6) TZM C-16	8.79	18283333	40.343 ug/ml
7) TZM C-18	9.71	17785448	39.455 ug/ml
8) XH C9-C18	7.53	112607350	252.639 ug/ml
9) TZM C-19	10.14	17353779	38.919 ug/ml
10) TZM C-20	10.58	17415728	39.854 ug/ml
12) TZM C-22	11.59	16788392	38.781 ug/ml
13) TZM C-24	12.91	16094269	38.734 ug/ml
14) TZM C-26	14.39	14555119	37.820 ug/ml
15) TZM C-28	15.93	12622780	37.377 ug/ml
16) TZM C-30	17.44	12011077	39.504 ug/ml
17) TZM C-36	21.51	8622742	36.517 ug/ml
18) XH C19-C36	12.05	125113448	338.303 ug/ml

D81410

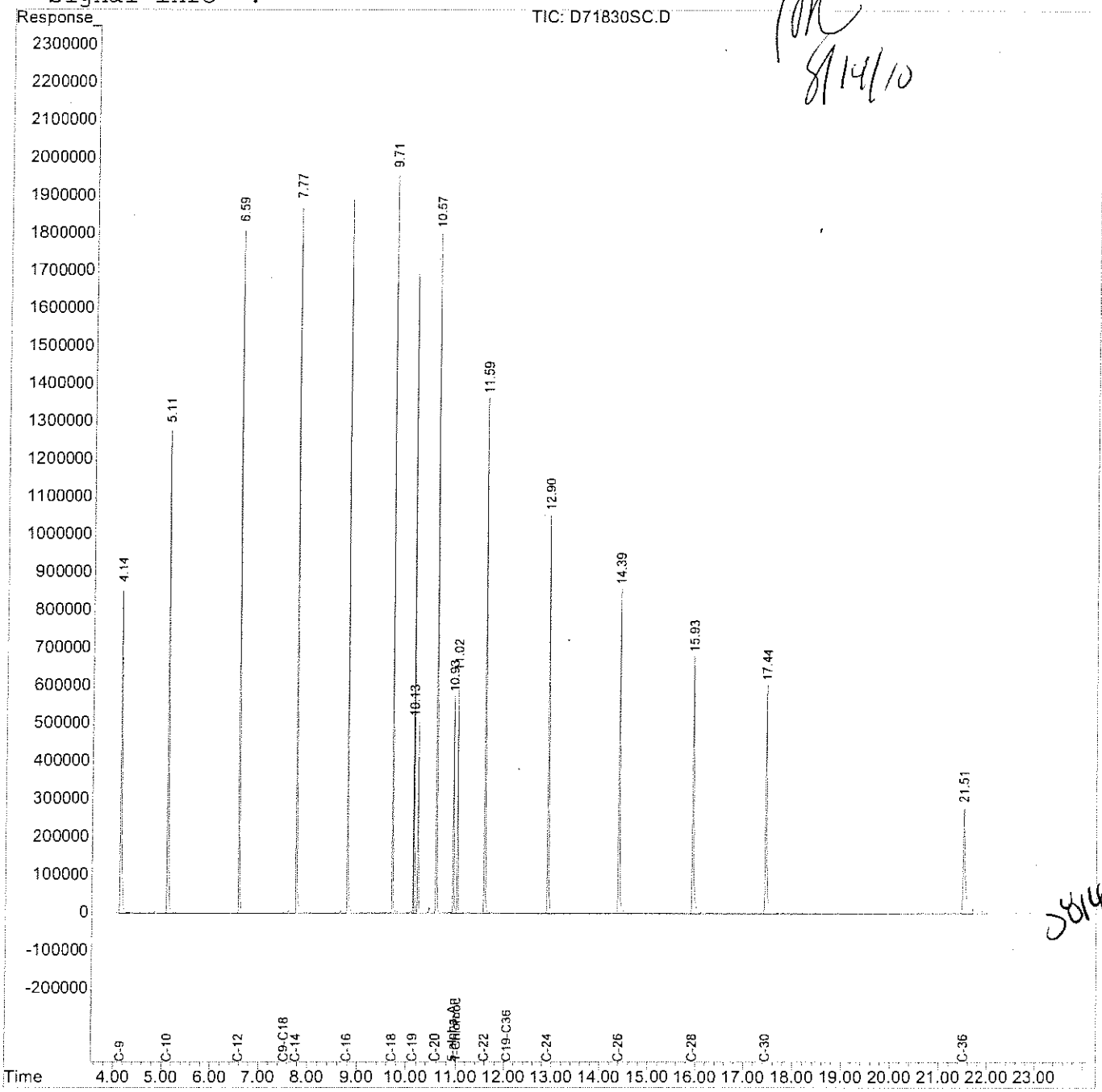
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71830SC.D Vial: 2
Acq On : 14 Aug 2010 7:41 am Operator: AR/MG
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 14 8:07 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



8/14/10

D81410

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

581400

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S9936 ALI 40
Data File ID: D71844SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.8	2.0	
C-10	41.6	4.1	
C-12	40.7	1.7	
C-14	39.7	0.7	
C-16	41.2	3.0	
C-18	40.8	2.1	
C-19	40.1	0.2	
C-20	39.3	1.7	
1-Chlorooctadecane	16.3	1.9	
C-22	38.3	4.2	
C-24	39.4	1.6	
C-26	37.8	5.4	
C-28	39.1	2.3	
C-30	38.8	3.0	
C-36	37.3	6.8	

C9-C18 Aliphatics	244.9	2.0	
C19-C36 Aliphatics	310.1	3.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT 8/17/10

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71844SC.D Vial: 2
Acq On : 14 Aug 2010 2:41 pm Operator: AR/MG
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 14 16:24 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

381410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.93	6820838	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.02	6821092	16.296 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	81.48%
Target Compounds			
2) TZM C-9	4.14	17277211	40.792 ug/ml
3) TZM C-10	5.12	18034767	41.638 ug/ml
4) TZM C-12	6.59	18921083	40.678 ug/ml
5) TZM C-14	7.77	18954358	39.731 ug/ml
6) TZM C-16	8.79	18973362	41.201 ug/ml
7) TZM C-18	9.71	18697401	40.820 ug/ml
8) XH C9-C18	7.53	115675143	255.407 ug/ml
9) TZM C-19	10.14	18151310	40.063 ug/ml
10) TZM C-20	10.58	17460093	39.322 ug/ml
12) TZM C-22	11.59	16855537	38.319 ug/ml
13) TZM C-24	12.91	16622042	39.369 ug/ml
14) TZM C-26	14.40	14793127	37.828 ug/ml
15) TZM C-28	15.93	13417042	39.099 ug/ml
16) TZM C-30	17.44	11987145	38.800 ug/ml
17) TZM C-36	21.51	8977853	37.266 ug/ml
18) XH C19-C36	12.05	128418894	341.735 ug/ml

JMT 8/17/10

(f)=RT Delta > 1/2 Window (m)=manual int.

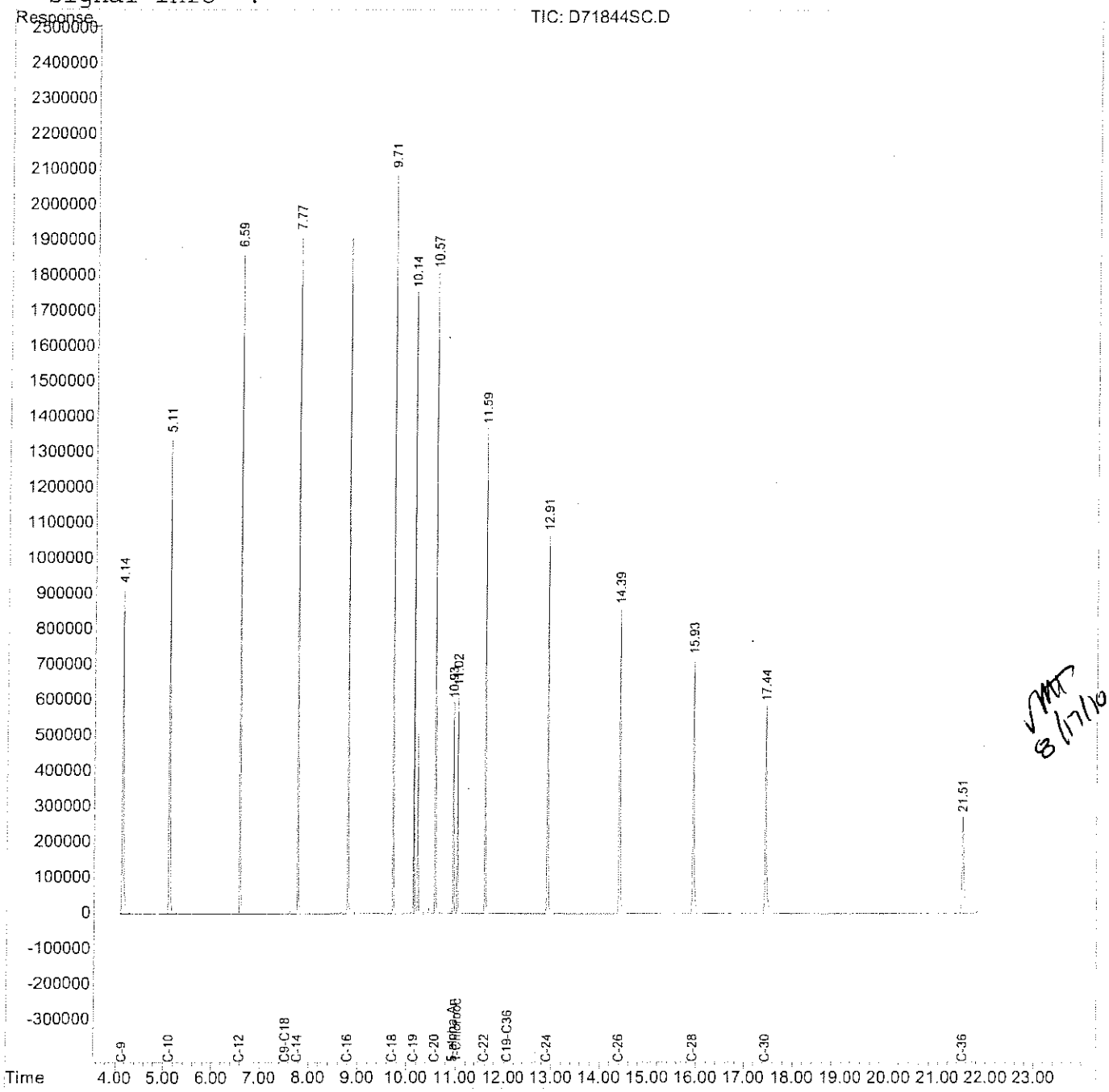
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71844SC.D Vial: 2
Acq On : 14 Aug 2010 2:41 pm Operator: AR/MG
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 14 16:24 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

D81444

Volume Inj. :
Signal Phase :
Signal Info :



MT 8/17/10

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

581410

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S9936 ALI 40
Data File ID: D71845SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	43.0	7.5	
C-10	44.6	11.4	
C-12	43.0	7.5	
C-14	42.4	6.1	
C-16	43.6	9.0	
C-18	43.4	8.4	
C-19	42.9	7.4	
C-20	42.3	5.9	
1-Chlorooctadecane	17.8	11.4	
C-22	39.9	0.3	
C-24	41.4	3.6	
C-26	39.6	1.1	
C-28	41.1	2.7	
C-30	40.1	0.2	
C-36	37.9	5.2	

C9-C18 Aliphatics	260.0	8.3	
C19-C36 Aliphatics	325.3	1.7	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

SMT 8/17/10

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71845SC.D Vial: 2
Acq On : 14 Aug 2010 3:12 pm Operator: AR/MG
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 14 16:24 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

8-14-10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.93	6470158	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.02	7078769	17.828 ug/ml
Spiked Amount 20.000 Range 40 - 140 Recovery = 89.14%			
Target Compounds			
2) TZM C-9	4.14	17282751	43.017 ug/ml
3) TZM C-10	5.12	18311081	44.567 ug/ml
4) TZM C-12	6.59	18972015	42.998 ug/ml
5) TZM C-14	7.77	19209294	42.448 ug/ml
6) TZM C-16	8.80	19047493	43.604 ug/ml
7) TZM C-18	9.71	18839221	43.359 ug/ml
8) XH C9-C18	7.53	118703009	276.298 ug/ml
9) TZM C-19	10.14	18455654	42.942 ug/ml
10) TZM C-20	10.58	17834348	42.342 ug/ml
12) TZM C-22	11.59	16648736	39.900 ug/ml
13) TZM C-24	12.91	16599917	41.448 ug/ml
14) TZM C-26	14.40	14678752	39.570 ug/ml
15) TZM C-28	15.93	13372819	41.082 ug/ml
16) TZM C-30	17.44	11746413	40.081 ug/ml
17) TZM C-36	21.51	8695562	37.919 ug/ml
18) XH C19-C36	12.05	127960839	358.971 ug/ml

JMT 8/17/10

(f)=RT Delta > 1/2 Window (m)=manual int.

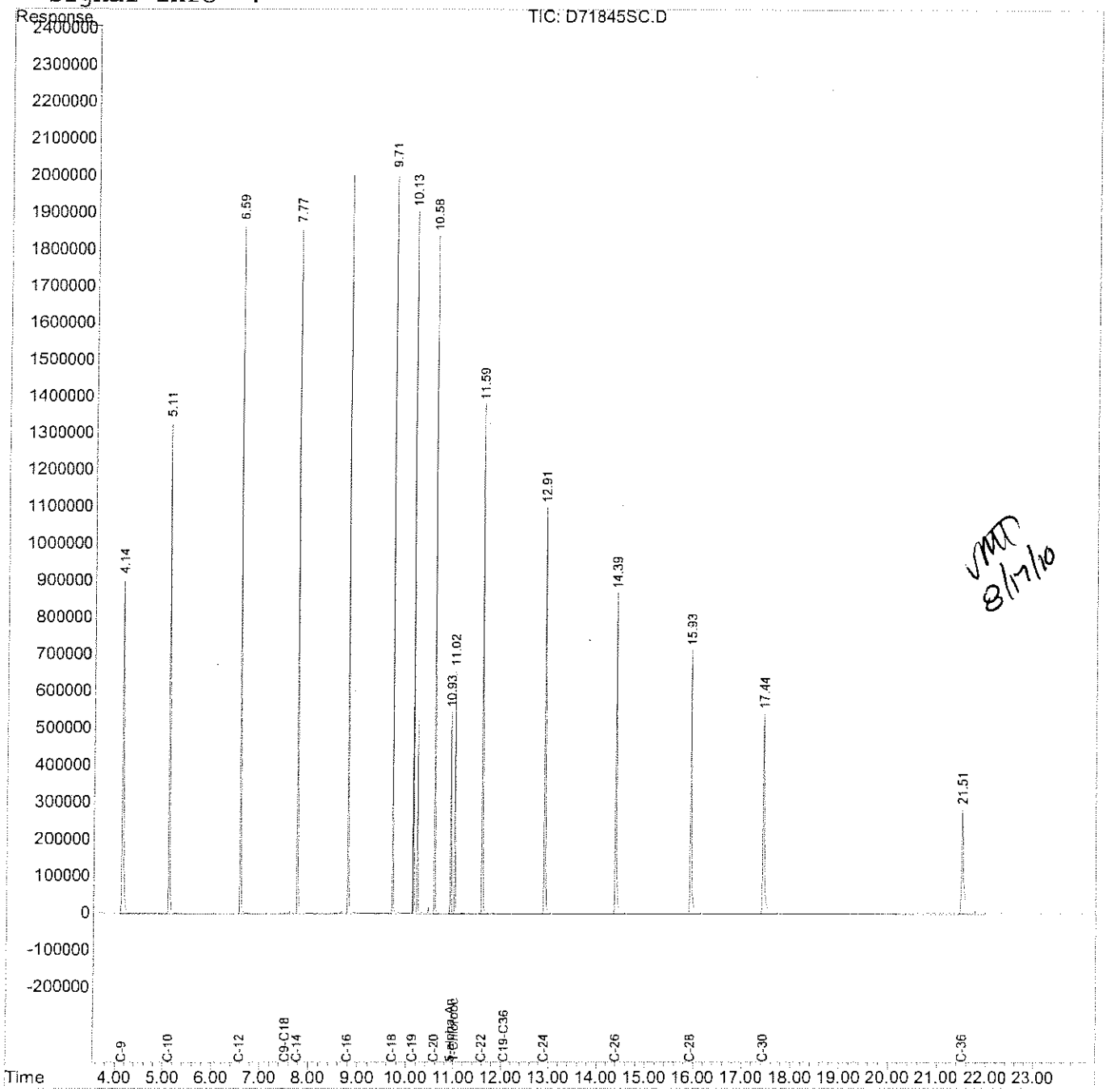
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\081310-D\D71845SC.D Vial: 2
Acq On : 14 Aug 2010 3:12 pm Operator: AR/MG
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 14 16:24 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Tue Aug 10 13:53:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

3 81410

Volume Inj. :
Signal Phase :
Signal Info :



VMT 8/17/10

EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

54570

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S9937 ARO 20
Data File ID: J35361SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.4	2.2	
2-Methylnaphthalene	20.8	4.1	
Acenaphthylene	20.6	2.9	
Acenaphthene	18.4	7.8	
Fluorene	18.7	6.5	
Phenanthrene	20.5	2.3	
Anthracene	20.3	1.3	
2-Fluorobiphenyl	12.2	1.4	
2-Bromonaphthalene	11.0	8.7	
o-terphenyl	7.9	1.4	
Fluoranthene	20.1	0.5	
Pyrene	20.3	1.5	
Benzo[a]anthracene	19.9	0.6	
Chrysene	20.4	1.9	
Benzo[b] fluoranthene	19.5	2.6	
Benzo[k] fluoranthene	20.3	1.5	
Benzo[a] pyrene	19.9	0.6	
Indeno [1,2,3-cd] pyrene	18.6	6.8	
Dibenz [a,h] anthracene	18.7	6.7	
Benzo(g,h,i) perylene	19.2	4.1	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT
8/17/10

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35361SC.D
Acq On : 14 Aug 2010 7:17 pm
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

081570

Quant Time: Aug 15 09:46:34 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	96258	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.546	172	387821	12.17 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 60.85%		
10) 2-Bromonaphthalene	6.080	206	175837	10.96 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 54.80%		
11) o-terphenyl	7.601	230	219401	7.89 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 39.45%#		

Target Compounds					Qvalue
2) Naphthalene	4.680	128	775442	20.43 ug/ml	100
3) 2-Methylnaphthalene	5.244	141	458706	20.81 ug/ml	97
4) Acenaphthylene	5.968	152	854988	20.58 ug/ml	100
5) Acenaphthene	6.110	154	499168	18.45 ug/ml	99
6) Fluorene	6.525	166	653817	18.70 ug/ml	100
7) Phenanthrene	7.296	178	931514	20.47 ug/ml	99
8) Anthracene	7.338	178	909625	20.27 ug/ml	100
12) Fluoranthene	8.266	202	1048159	20.10 ug/ml	99
13) Pyrene	8.467	202	1096953	20.30 ug/ml	98
14) Benzo[a]anthracene	9.791	228	961494	19.89 ug/ml	100
15) Chrysene	9.838	228	938569	20.38 ug/ml	100
16) Benzo[b] fluoranthene	11.326	252	844648	19.47 ug/ml	99
17) Benzo[k] fluoranthene	11.374	252	864673	20.30 ug/ml	99
18) Benzo[a] pyrene	11.818	252	829097	19.87 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.600	276	668324	18.64 ug/ml	99
20) Dibenz [a,h] anthracene	13.668	278	653516	18.65 ug/ml	99
21) Benzo(g,h,i) perylene	14.009	276	716403	19.18 ug/ml	99

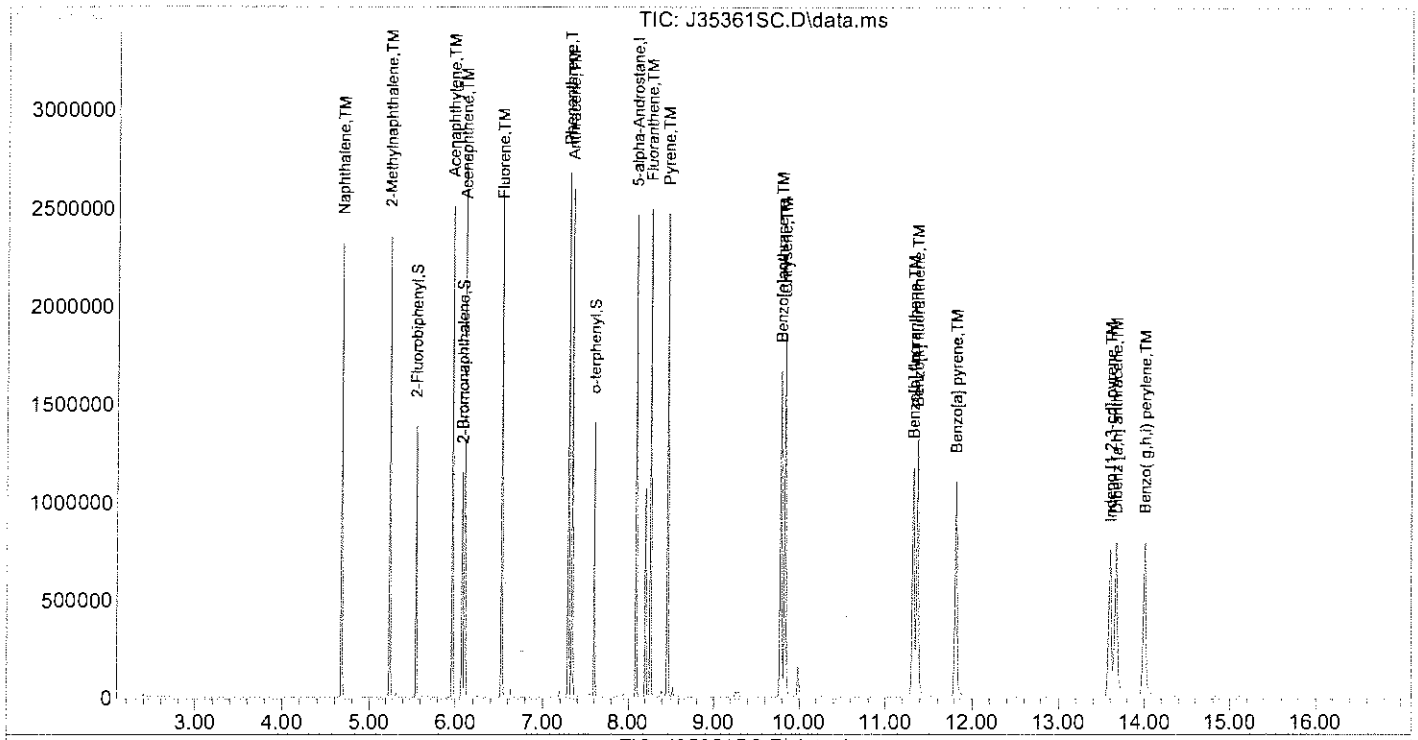
(#) = qualifier out of range (m) = manual integration (+) = signals summed

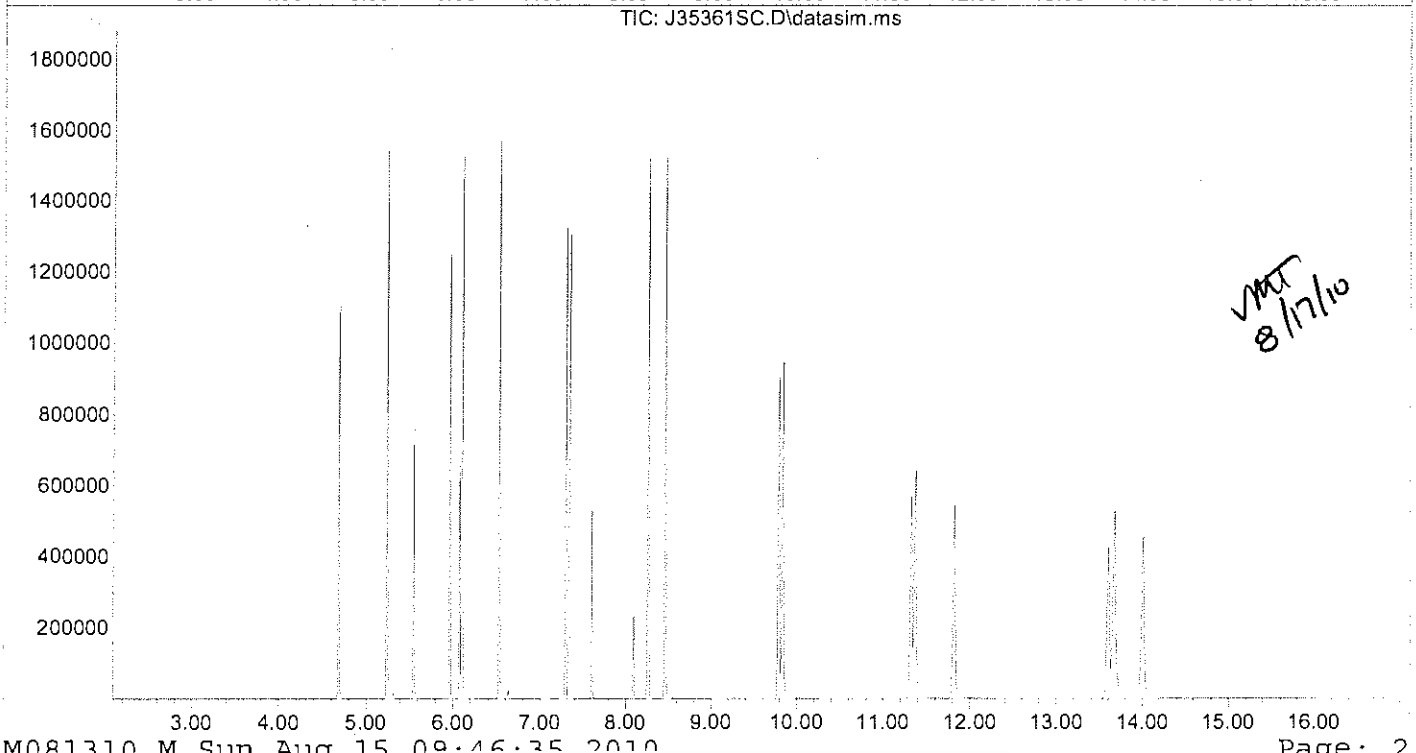
VMT 8/17/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35361SC.D
Acq On : 14 Aug 2010 7:17 pm
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 09:46:34 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration





VMT 8/17/10

GC AROMATIC CONT CALIBRATION CHECK

Data File Name J35361SC.D
Sample Name S9937 ARO 20
Date Acquired 8/14/2010 19:17

581520

Name	Amount	UG/L EXPECTED	% DIFFERENCE	LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.34	20	2	20	OK	20.34		
2-Methylnaphthalene	20.51	20	3	20	OK	20.51		
Acenaphthylene	20.58	20	3	20	OK	20.58		
Acenaphthene	18.58	20	7	20	OK	18.58		
Fluorene	18.45	20	8	20	OK	18.45		
Phenanthrene	20.35	20	2	20	OK	20.35		
Anthracene	19.89	20	1	20	OK	19.89		
Fluoranthene	19.98	20	0	20	OK	19.98		
Pyrene	19.92	20	0	20	OK	19.92		
Benzo[a]anthracene	19.62	20	2	20	OK	19.62		
Chrysene	20.52	20	3	20	OK	20.52		
Benzo[b] fluoranthene	19.12	20	4	20	OK	19.12		
Benzo[k] fluoranthene	20.02	20	0	20	OK	20.02		
Benzo[a] pyrene	19.39	20	3	20	OK	19.39		
Indeno [1,2,3-cd] pyrene	17.48	20	13	20	OK	17.48		
Dibenz [a,h] anthracene	17.84	20	11	20	OK	17.84		
Benzo(g,h,i) perylene	18.69	20	7	20	OK	18.69		
c11-c22		340				**331.28**	97%	OK

VMT 8/17/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35361SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 7:17 pm
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Q

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:19 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

581570

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.097	21102508	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.551	11710727	12.191 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	60.96%
10) S 2-Bromonaphthalene	6.080	9545626	11.006 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	55.03%
11) S o-terphenyl	7.602	10242643	7.811 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	39.06%#
Target Compounds			
2) TZ Naphthalene	4.682	17379172	20.342 ug/ml
3) TZ 2-Methylnaphthalene	5.246	18651299	20.510 ug/ml
4) TZ Acenaphthylene	5.969	18389416	20.582 ug/ml
5) TZ Acenaphthene	6.111	20386492	18.577 ug/ml
6) TZ Fluorene	6.527	20927892	18.446 ug/ml
7) TZ Phenanthrene	7.297 ✓	21595301	20.354 ug/ml
8) TZ Anthracene	7.340	20117022	19.893 ug/ml
12) TZ Fluoranthene	8.269	23576796	19.978 ug/ml
13) TZ Pyrene	8.471	24500766	19.921 ug/ml
14) TZ Benzo[a]anthracene	9.791 ✓	22604140	19.619 ug/ml
15) TZ Chrysene	9.840	23782214	20.524 ug/ml
16) TZ Benzo[b] fluoranthene	11.326 ✓	20481248	19.121 ug/ml
17) TZ Benzo[k] fluoranthene	11.375	21761942	20.020 ug/ml
18) TZ Benzo[a] pyrene	11.820	20525391	19.387 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.601	16425435	17.478 ug/ml
20) TZ Dibenz [a,h] anthracene	13.668	19509446	17.837 ug/ml
21) TZ Benzo(g,h,i) perylene	14.009	18535930	18.687 ug/ml
22) XH c11-c22	12.565	375150447	364.064 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

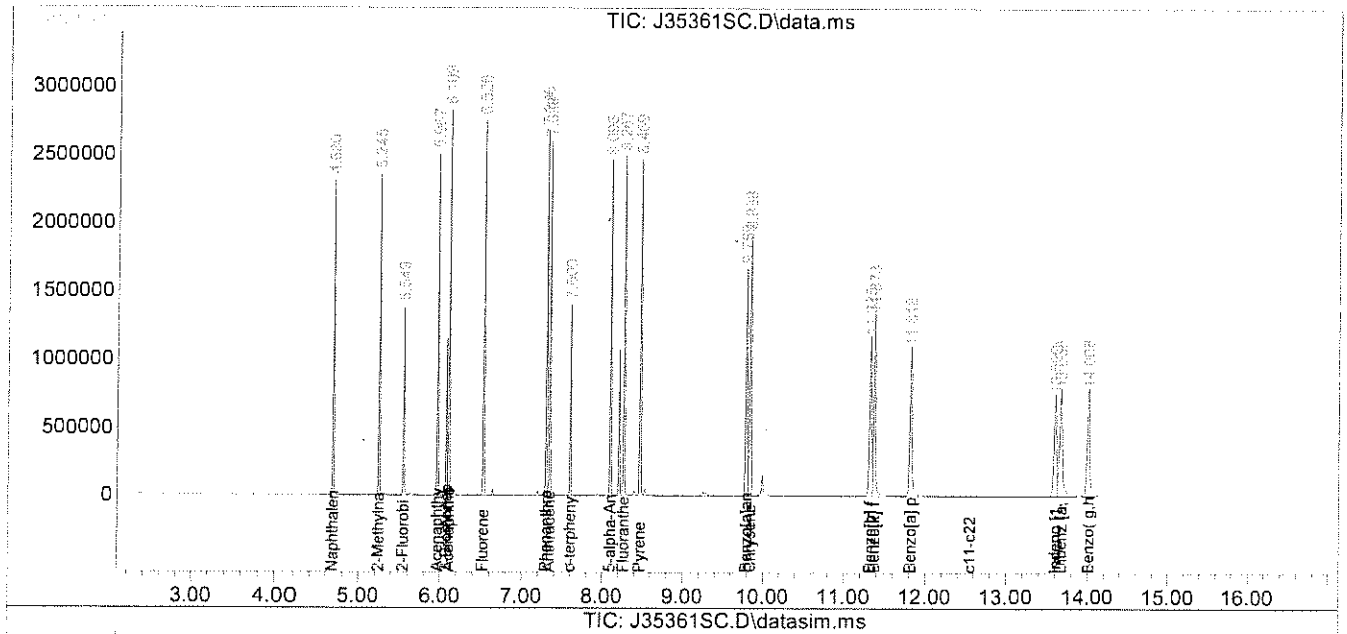
VMT 8/27/10

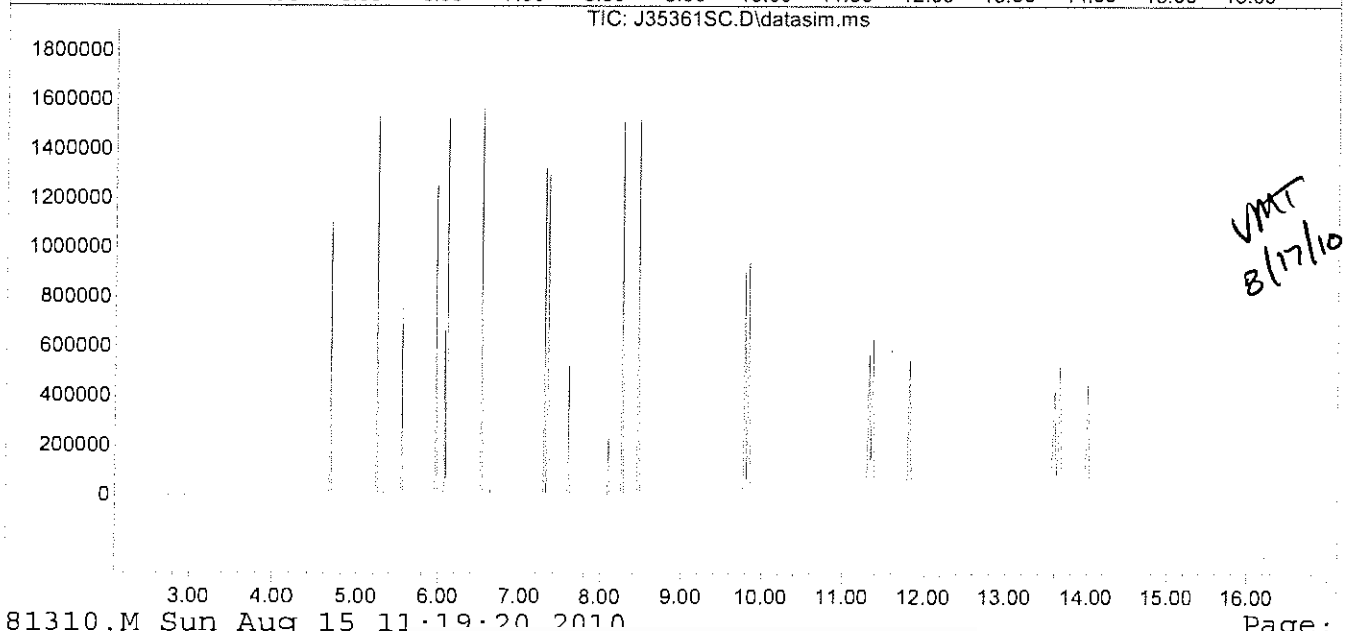
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35361SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 14 Aug 2010 7:17 pm
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:19 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/17/10

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

61570

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S9937 ARO 20
Data File ID: J35384SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	22.1	10.7	
2-Methylnaphthalene	22.2	11.0	
Acenaphthylene	21.0	4.8	
Acenaphthene	18.5	7.5	
Fluorene	18.6	7.1	
Phenanthrene	20.7	3.4	
Anthracene	20.6	2.9	
2-Fluorobiphenyl	12.5	4.5	
2-Bromonaphthalene	11.1	7.7	
o-terphenyl	8.1	0.9	
Fluoranthene	20.5	2.3	
Pyrene	20.2	1.0	
Benzo[a]anthracene	19.7	1.3	
Chrysene	20.0	0.2	
Benzo[b] fluoranthene	20.3	1.4	
Benzo[k] fluoranthene	20.4	2.0	
Benzo[a] pyrene	20.1	0.6	
Indeno [1,2,3-cd] pyrene	20.1	0.7	
Dibenz [a,h] anthracene	20.2	0.9	
Benzo(g,h,i) perylene	20.7	3.4	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT 8/17/10

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35384SC.D
Acq On : 15 Aug 2010 4:22 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Q

S61570

Quant Time: Aug 15 09:47:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	96729	20.00	ug/ml	0.00

System Monitoring Compounds

9) 2-Fluorobiphenyl	5.552	172	401431	12.54	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 62.70%			
10) 2-Bromonaphthalene	6.080	206	178602	11.08	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 55.40%			
11) o-terphenyl	7.601	230	225733	8.07	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 40.35%			

Target Compounds

						Qvalue
2) Naphthalene	4.680	128	844298	22.14	ug/ml	99
3) 2-Methylnaphthalene	5.244	141	491929	22.21	ug/ml	98
4) Acenaphthylene	5.967	152	874884	20.96	ug/ml	100
5) Acenaphthene	6.110	154	502741	18.49	ug/ml	99
6) Fluorene	6.525	166	652718	18.57	ug/ml	99
7) Phenanthrene	7.296	178	945783	20.68	ug/ml	100
8) Anthracene	7.338	178	927955	20.57	ug/ml	99
12) Fluoranthene	8.266	202	1072128	20.46	ug/ml	99
13) Pyrene	8.467	202	1096721	20.19	ug/ml	99
14) Benzo[a]anthracene	9.791	228	959384	19.75	ug/ml	100
15) Chrysene	9.838	228	927566	20.04	ug/ml	100
16) Benzo[b] fluoranthene	11.326	252	883647	20.27	ug/ml	100
17) Benzo[k] fluoranthene	11.373	252	872992	20.40	ug/ml	99
18) Benzo[a] pyrene	11.822	252	843402	20.12	ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.600	276	725845	20.14	ug/ml	99
20) Dibenz [a,h] anthracene	13.667	278	710357	20.18	ug/ml	99
21) Benzo(g,h,i) perylene	14.012	276	776103	20.68	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

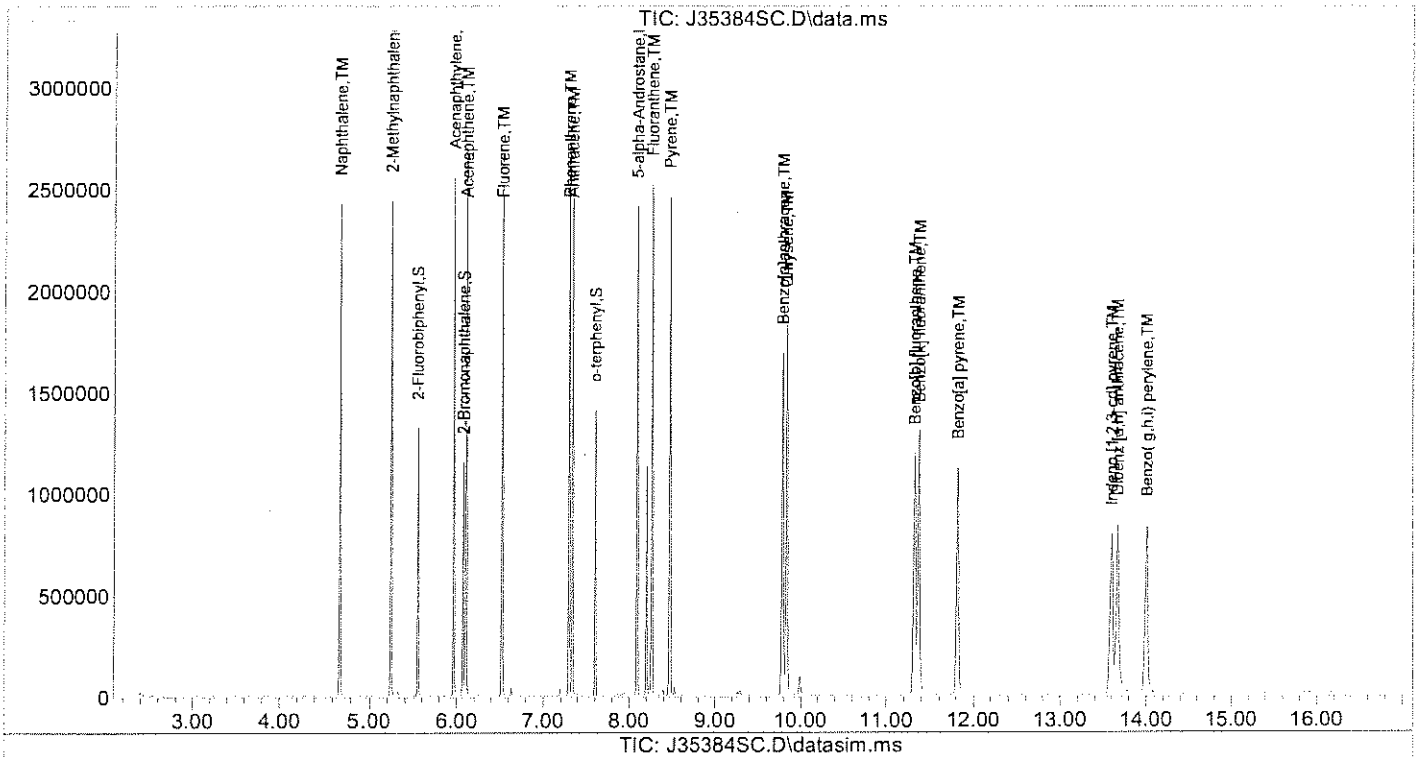
MMT 8/17/10

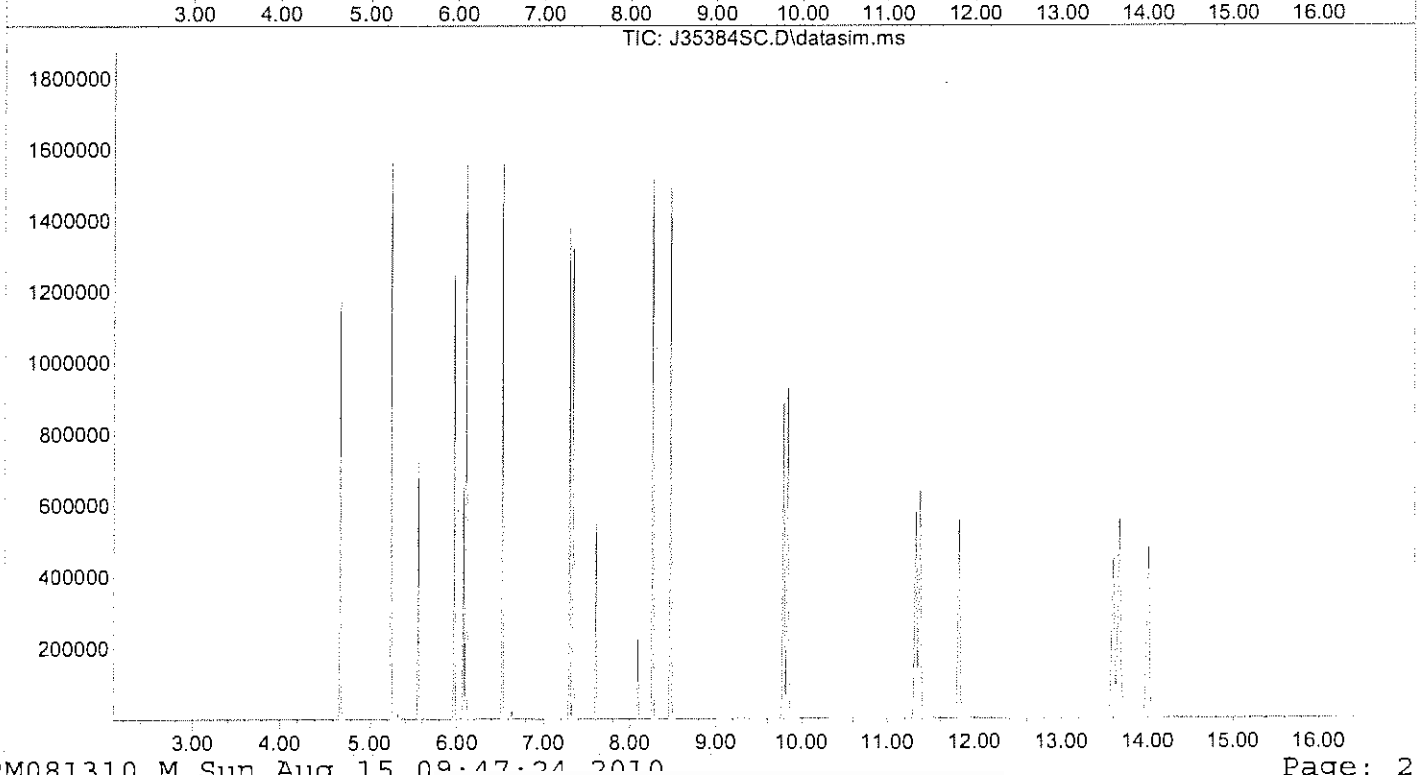
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35384SC.D
Acq On : 15 Aug 2010 4:22 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

J81510

Quant Time: Aug 15 09:47:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration





DEASO

GC AROMATIC CLOSING CONT CALIBRATION CHECK

Data File Name J35384SC.D
Sample Name S9937 ARO 20
Date Acquired 8/15/2010 4:22

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	22.10	20	11	20	OK	22.10		
2-Methylnaphthalene	22.23	20	11	20	OK	22.23		
Acenaphthylene	20.92	20	5	20	OK	20.92		
Acenaphthene	18.67	20	7	20	OK	18.67		
Fluorene	18.93	20	5	20	OK	18.93		
Phenanthrene	20.24	20	1	20	OK	20.24		
Anthracene	20.39	20	2	20	OK	20.39		
Fluoranthene	20.52	20	3	20	OK	20.52		
Pyrene	20.23	20	1	20	OK	20.23		
Benzo[a]anthracene	19.92	20	0	20	OK	19.92		
Chrysene	20.24	20	1	20	OK	20.24		
Benzo[b] fluoranthene	20.48	20	2	20	OK	20.48		
Benzo[k] fluoranthene	20.29	20	1	20	OK	20.29		
Benzo[a] pyrene	20.28	20	1	20	OK	20.28		
Indeno [1,2,3-cd] pyrene	19.54	20	2	20	OK	19.54		
Dibenz [a,h] anthracene	19.52	20	2	20	OK	19.52		
Benzo(g,h,i) perylene	21.01	20	5	20	OK	21.01		
c11-c22		340				**345.49**	102%	OK

VMT 8/17/10

8/15/2010 11:31 AM

Quantitation Report (Not Reviewed)

Q

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35384SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 15 Aug 2010 4:22 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:49 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

S81510

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.097	20787976	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.551	11699485	12.364 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	61.82%
10) S 2-Bromonaphthalene	6.080	9154979	10.707 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	53.53%
11) S o-terphenyl	7.602	10282378	7.960 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	39.80%#
Target Compounds			
2) TZ Naphthalene	4.682	18600187	22.101 ug/ml
3) TZ 2-Methylnaphthalene	5.247	19914519	22.231 ug/ml
4) TZ Acenaphthylene	5.969	18410087	20.917 ug/ml
5) TZ Acenaphthene	6.112	20183337	18.675 ug/ml
6) TZ Fluorene	6.528	21131918	18.926 ug/ml
7) TZ Phenanthrene	7.298	21157426	20.243 ug/ml
8) TZ Anthracene	7.340	20308528	20.386 ug/ml
12) TZ Fluoranthene	8.269	23849614	20.515 ug/ml
13) TZ Pyrene	8.471	24515305	20.234 ug/ml
14) TZ Benzo[a]anthracene	9.792	22604875	19.917 ug/ml
15) TZ Chrysene	9.840	23105559	20.242 ug/ml
16) TZ Benzo[b] fluoranthene	11.327	21607434	20.478 ug/ml
17) TZ Benzo[k] fluoranthene	11.376	21722735	20.287 ug/ml
18) TZ Benzo[a] pyrene	11.822	21145928	20.276 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.602	18087841	19.538 ug/ml
20) TZ Dibenz [a,h] anthracene	13.669	20962949	19.523 ug/ml
21) TZ Benzo(g,h,i) perylene	14.011	20527174	21.007 ug/ml
22) XH c11-c22	12.565	382762999	377.072 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int

VMT 8/17/10

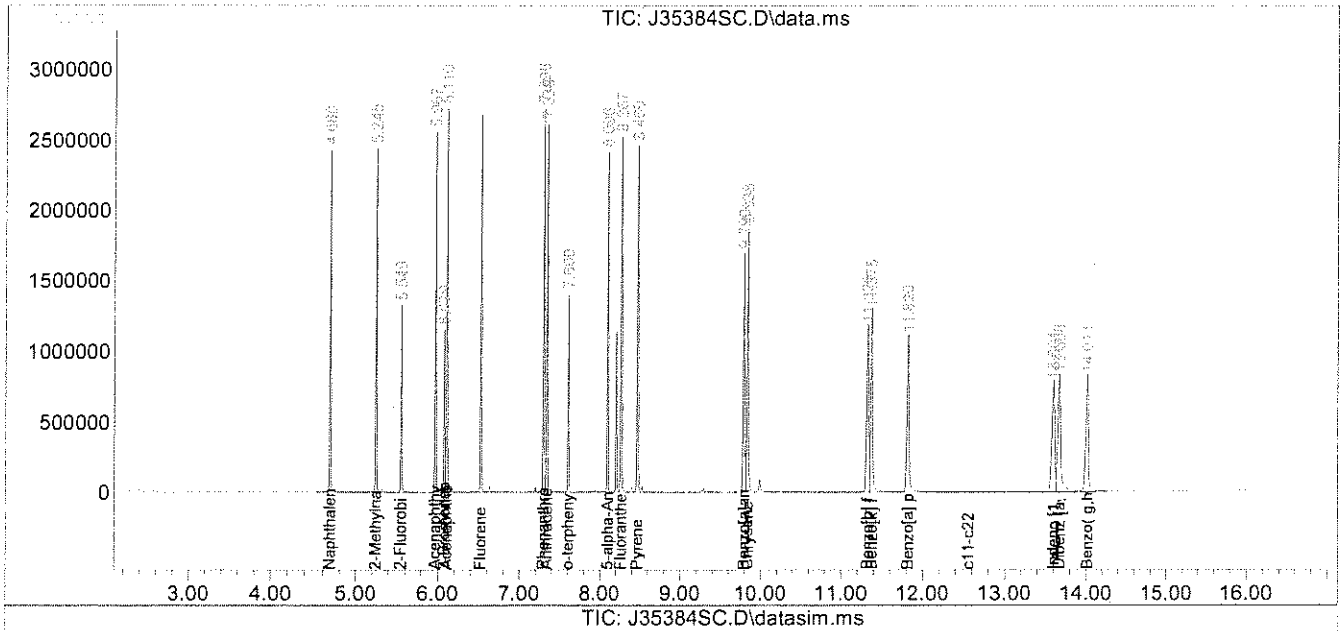
Quantitation Report (Not Reviewed)

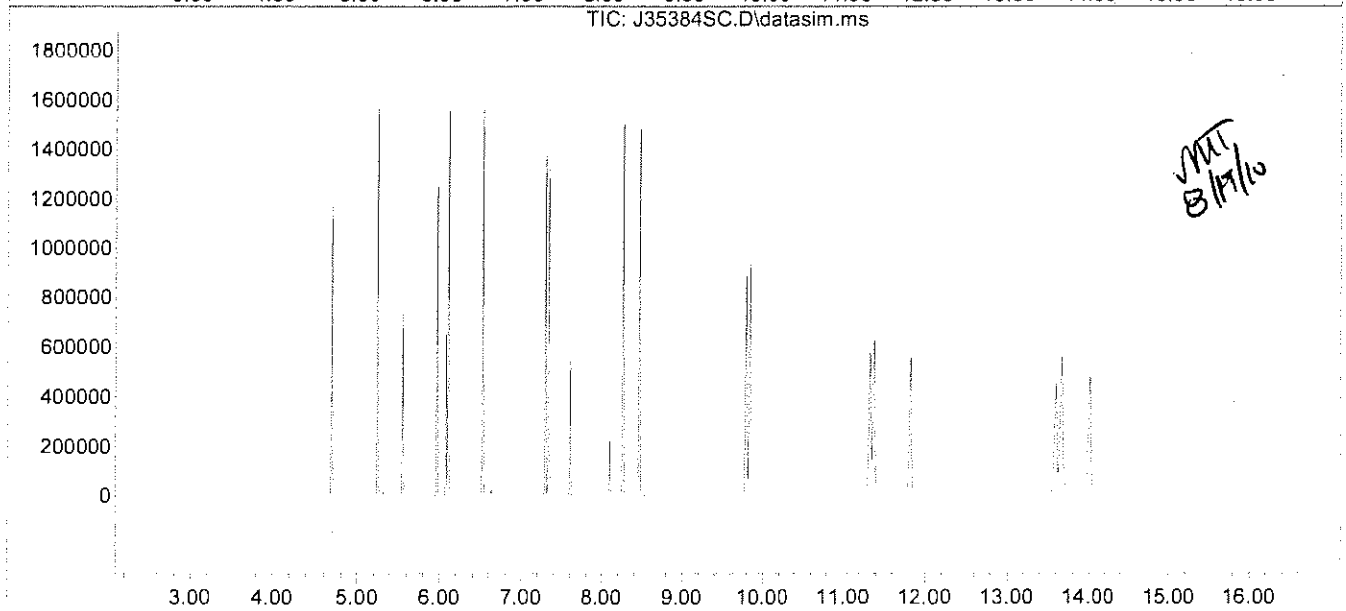
Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35384SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 15 Aug 2010 4:22 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:49 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

J6157V

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





MT 8/17/10

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

581510

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S9937 ARO 20
Data File ID: J35386SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	19.9	0.4	
2-Methylnaphthalene	20.5	2.6	
Acenaphthylene	20.4	2.2	
Acenaphthene	17.9	10.6	
Fluorene	18.4	8.2	
Phenanthrene	20.0	0.1	
Anthracene	20.2	1.1	
2-Fluorobiphenyl	12.0	0.0	
2-Bromonaphthalene	10.7	10.5	
o-terphenyl	8.0	0.2	
Fluoranthene	20.0	0.2	
Pyrene	20.1	0.4	
Benzo[a]anthracene	19.8	1.1	
Chrysene	20.1	0.3	
Benzo[b] fluoranthene	19.3	3.3	
Benzo[k] fluoranthene	20.2	1.1	
Benzo[a] pyrene	19.7	1.3	
Indeno [1,2,3-cd] pyrene	18.6	7.0	
Dibenz [a,h] anthracene	18.6	7.2	
Benzo(g,h,i) perylene	19.3	3.6	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VMT
8/17/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35386SC.D
Acq On : 15 Aug 2010 5:08 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 09:47:26 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	8.097	95	102855	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.552	172	408420	11.99 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 59.95%		
10) 2-Bromonaphthalene	6.080	206	184288	10.75 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 53.75%		
11) o-terphenyl	7.601	230	237246	7.98 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 39.90%#		
Target Compounds					Qvalue
2) Naphthalene	4.680	128	807626	19.92 ug/ml	99
3) 2-Methylnaphthalene	5.244	141	483237	20.52 ug/ml	98
4) Acenaphthylene	5.967	152	906916	20.43 ug/ml	100
5) Acenaphthene	6.110	154	517151	17.87 ug/ml	99
6) Fluorene	6.525	166	686478	18.36 ug/ml	99
7) Phenanthrene	7.296	178	973697	20.02 ug/ml	100
8) Anthracene	7.338	178	969644	20.22 ug/ml	99
12) Fluoranthene	8.266	202	1111814	19.95 ug/ml	99
13) Pyrene	8.467	202	1159767	20.08 ug/ml	98
14) Benzo[a]anthracene	9.791	228	1022107	19.78 ug/ml	100
15) Chrysene	9.838	228	987189	20.06 ug/ml	100
16) Benzo[b] fluoranthene	11.326	252	896717	19.35 ug/ml	100
17) Benzo[k] fluoranthene	11.373	252	920626	20.23 ug/ml	99
18) Benzo[a] pyrene	11.818	252	879624	19.73 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.596	276	713110	18.61 ug/ml	99
20) Dibenz [a,h] anthracene	13.667	278	694599	18.55 ug/ml	99
21) Benzo(g,h,i) perylene	14.008	276	769662	19.28 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

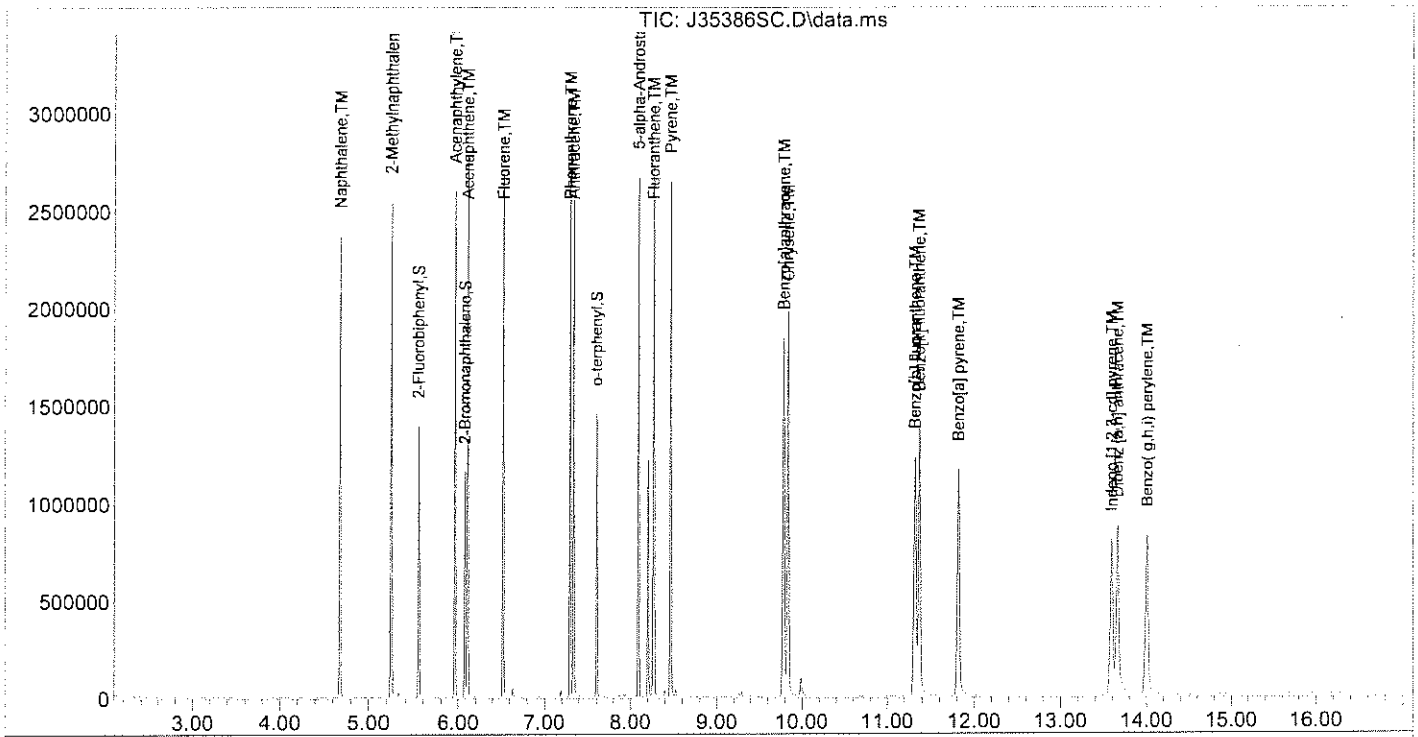
VMT 8/17/10

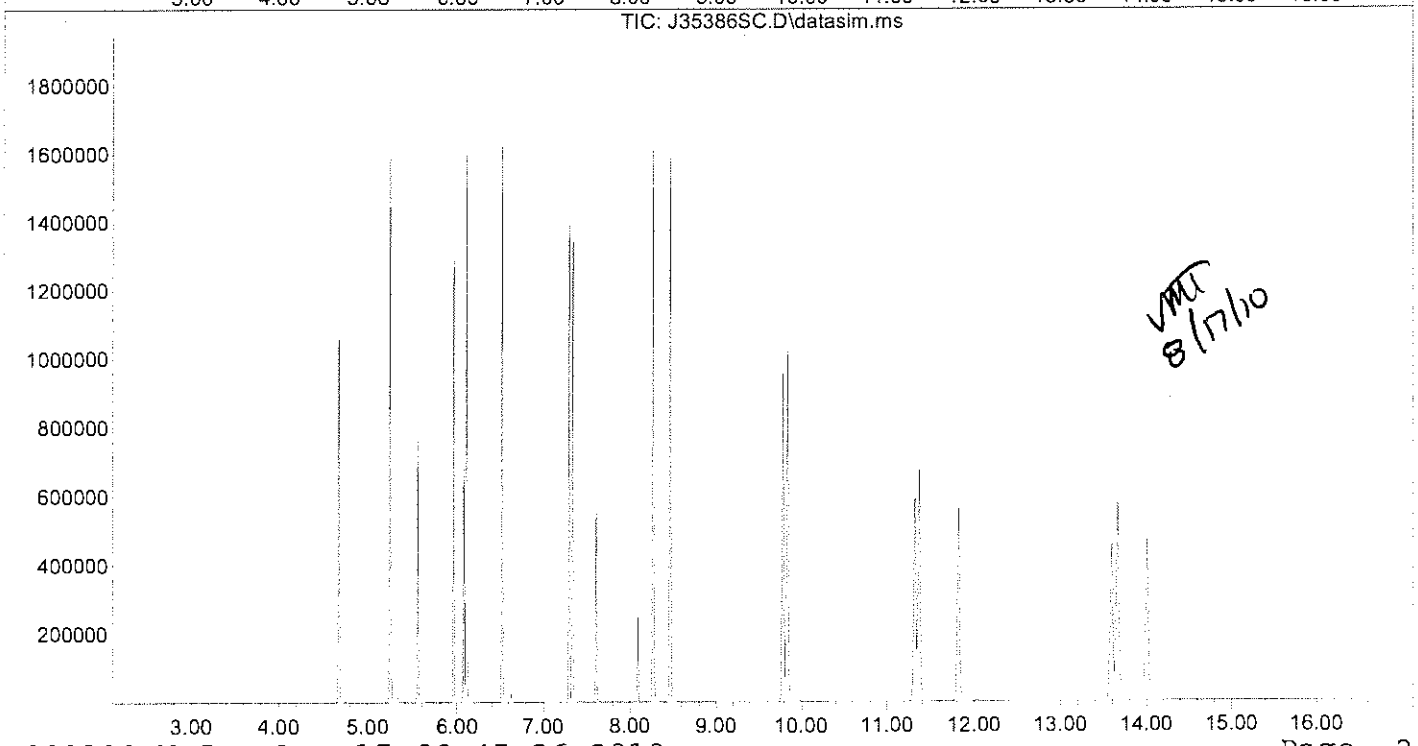
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35386SC.D
Acq On : 15 Aug 2010 5:08 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 09:47:26 2010
Quant Method : C:\msdchem\1\METHODS\ARM081310.M
Quant Title : EPH MS AROMATICS
QLast Update : Sat Aug 14 05:34:39 2010
Response via : Initial Calibration

35170





VMT 8/17/10

GC AROMATIC CLOSING CONT CALIBRATION CHECK

Data File Name J35386SC.D
Sample Name S9937 ARO 20
Date Acquired 8/15/2010 5:08

381570

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	19.59	20	2	20	OK	19.59		
2-Methylnaphthalene	20.17	20	1	20	OK	20.17		
Acenaphthylene	20.40	20	2	20	OK	20.40		
Acenaphthene	18.03	20	10	20	OK	18.03		
Fluorene	18.44	20	8	20	OK	18.44		
Phenanthrene	20.05	20	0	20	OK	20.05		
Anthracene	19.90	20	1	20	OK	19.90		
Fluoranthene	19.76	20	1	20	OK	19.76		
Pyrene	19.79	20	1	20	OK	19.79		
Benzo[a]anthracene	19.67	20	2	20	OK	19.67		
Chrysene	20.12	20	1	20	OK	20.12		
Benzo[b] fluoranthene	19.29	20	4	20	OK	19.29		
Benzo[k] fluoranthene	19.83	20	1	20	OK	19.83		
Benzo[a] pyrene	19.55	20	2	20	OK	19.55		
Indeno [1,2,3-cd] pyrene	17.77	20	11	20	OK	17.77		
Dibenz [a,h] anthracene	17.66	20	12	20	OK	17.66		
Benzo(g,h,i) perylene	19.26	20	4	20	OK	19.26		
c11-c22		340				**329.29**	97%	OK

VMT
8/17/10

8/15/2010 11:31 AM

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35386SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 15 Aug 2010 5:08 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Q

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:51 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

b 8/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	8.097	22432439	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.551	12069151	11.819 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	59.10%
10) S 2-Bromonaphthalene	6.080	9746797	10.560 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	52.80%
11) S o-terphenyl	7.602	10835903	7.774 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	38.87%#
Target Compounds			
2) TZ Naphthalene	4.682	17790357	19.589 ug/ml
3) TZ 2-Methylnaphthalene	5.246	19496583	20.169 ug/ml
4) TZ Acenaphthylene	5.969	19379178	20.404 ug/ml
5) TZ Acenaphthene	6.111	21059338	18.030 ug/ml
6) TZ Fluorene	6.528	22244016	18.444 ug/ml
7) TZ Phenanthrene	7.298	22613313	20.050 ug/ml
8) TZ Anthracene	7.340	21391879	19.899 ug/ml
12) TZ Fluoranthene	8.269	24794481	19.765 ug/ml
13) TZ Pyrene	8.470	25878831	19.794 ug/ml
14) TZ Benzo[a]anthracene	9.792	24094955	19.674 ug/ml
15) TZ Chrysene	9.840	24788166	20.124 ug/ml
16) TZ Benzo[b] fluoranthene	11.326	21962224	19.288 ug/ml
17) TZ Benzo[k] fluoranthene	11.375	22917559	19.833 ug/ml
18) TZ Benzo[a] pyrene	11.821	21998109	19.547 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.599	17750868	17.769 ug/ml
20) TZ Dibenz [a,h] anthracene	13.667	20535956	17.657 ug/ml
21) TZ Benzo(g,h,i) perylene	14.010	20307572	19.259 ug/ml
22) XH c11-c22	12.565	395967669	361.484 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

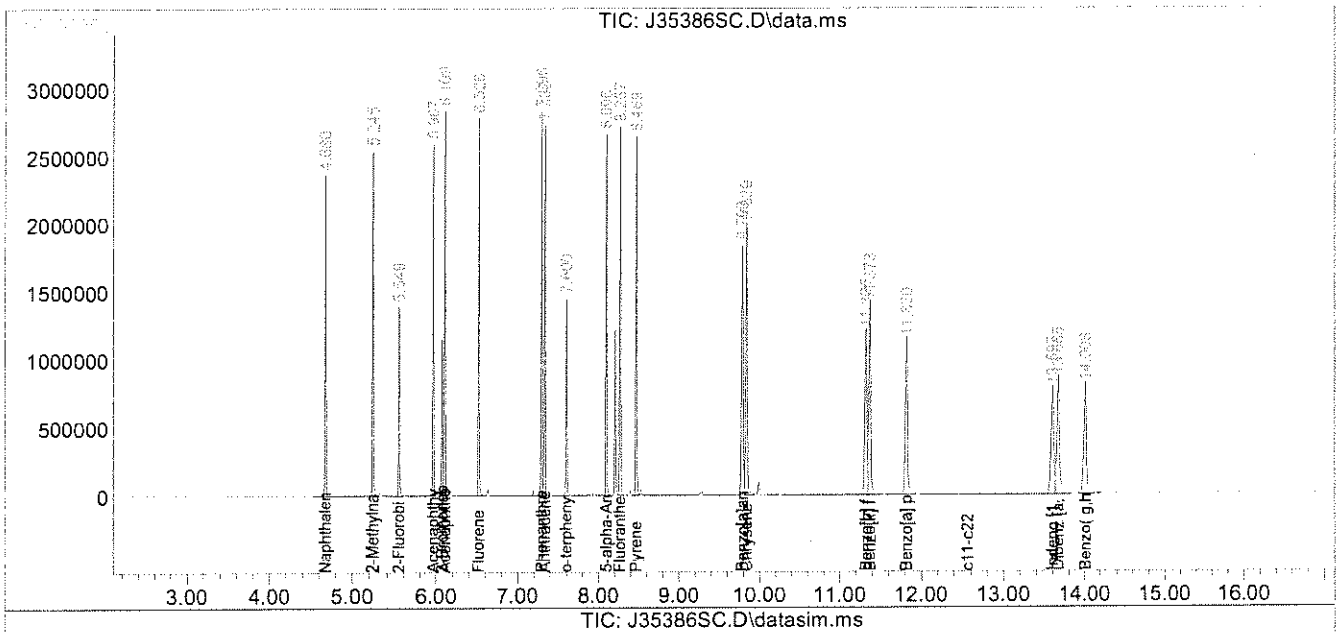
VMT 8/17/10

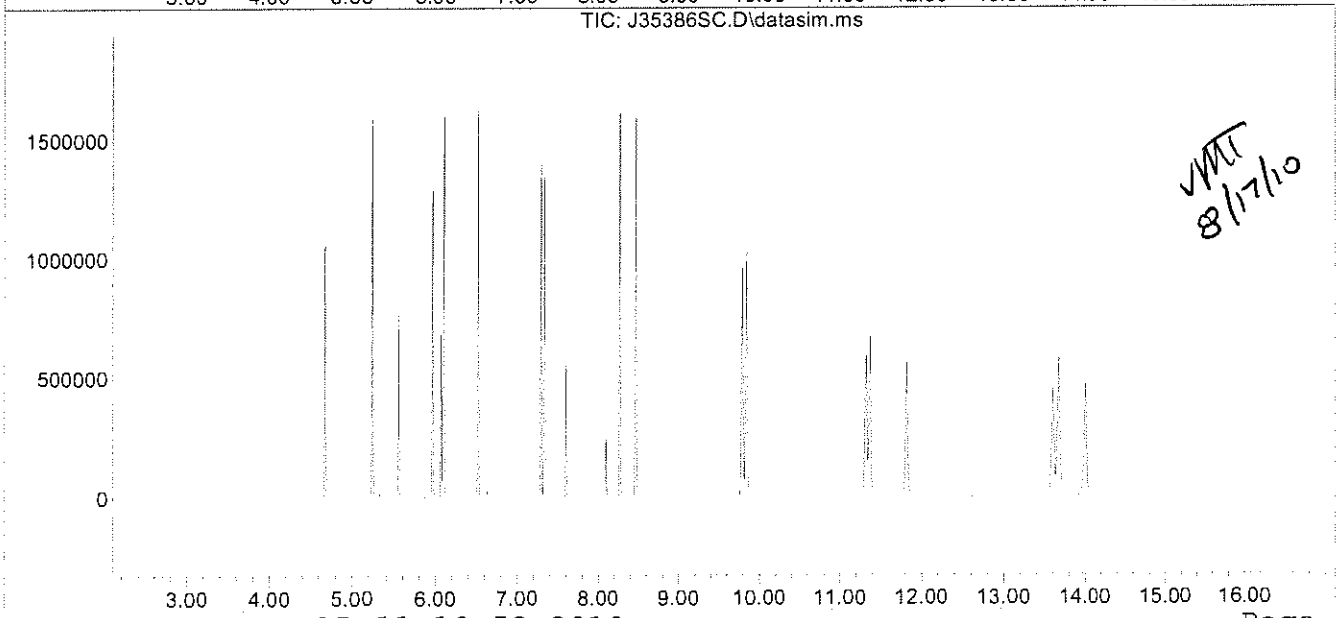
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\081310-J\
Data File : J35386SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 15 Aug 2010 5:08 am
Operator : MG/ALR
Sample : S9937 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 15 11:19:51 2010
Quant Method : C:\msdchem\1\METHODS\ARG081310.M
Quant Title : EPH GC AROMATICS
QLast Update : Sat Aug 14 06:49:45 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VMT 8/17/10

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG:
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9702 ALI 20	7097680		11.02	
Upper Limit	14195360		11.08	
Lower limit	3548840		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9700 ALI 5	6392680		11.02	
S9701 ALI 10	6336220		11.02	
S9702 ALI 20	7097680		11.02	
S9936 ALI 40	6995120		11.02	
S9704 ALI 50	6719900		11.02	
S9705 ALI 100	6944560		11.02	
S9715 ALI 20 ICV	6985250		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Tune Time : 5 Aug 2010 1:47 am

Daily Calibration File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D

Ali GC

8/6/10

6995120

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71447SI.D	S9700 AL	9*	6392677
D71448SI.D	S9701 AL	19*	6336218
D71449SI.D	S9702 AL	39*	7097682
D71451SI.D	S9704 AL	106	6719901
D71452SI.D	S9705 AL	210*	6944560
D71453.D	S9715 AL	96	6985246

t - fails 12hr time check * - fails criteria

Created: Fri Aug 06 01:53:06 2010 GC MS Ins

08910

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG:
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	6712680		10.93	
Upper Limit	13425360		10.99	
Lower limit	3356340		10.87	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W IS	6532750		10.93	
B081310EASE	6028650		10.93	
L081310EASE	5787540		10.93	
LD081310EASE	6066410		10.93	
67514-1	6459170		10.93	
67514-2	6688810		10.93	
67514-2,MS	6344850		10.93	
67514-2,MSD	6422880		10.93	
S9936 ALI 40	6820840		10.93	
S9936 ALI 40	6470160		10.93	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC QA-QC Check Report

Daily Calibration File : D:\HPCHEM\1\DATA\081310-D\D71830SC.D
Time Acquired : 14 Aug 2010 7:41 am

58140

6712680

File	Sample	Surrogate Recovery %	Internal Standard Responses	
D71830SC.D	S9936 AL	82	6712681	
D71831.D	HEXANE W	0*	6532752	
D71832B.D	B081310E	65	6028650	
D71833Q.D	L081310E	66	5787540	
D71834Q.D	LD081310	63	6066415	
D71835.D	67350-9	65	6508851	
D71836.D	67350-11	20*	6232027	Cafirms ↓ss
D71837.D	67470-3	21*	6196910	⊥
D71838.D	67512-2	53	6069692	
D71839.D	67512-3	56	7167380	
D71840.D	67514-1	62	6459172	
D71841.D	67514-2	66	6688813	
D71842SP.D	67514-2,	70	6344853	
D71843SP.D	67514-2,	71	6422877	
D71844SC.D	S9936 AL	81	6820838	
D71845SC.D	S9936 AL	89	6470158	

t - fails 24hr time check * - fails criteria

Created: Sat Aug 14 16:52:05 2010 GC
MS Ins

VMT 8/17/10

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J SDG:
GC Column: ZB-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	103378		8.10	
Upper Limit	206756		8.16	
Lower limit	51689		8.04	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	99471		8.10	
S9707 ARO 5	100114		8.10	
S9708 ARO 10	96829		8.10	
S9937 ARO 20	103378		8.10	
S9710 ARO 50	90532		8.10	
S9711 ARO 100	93720		8.10	
S9716 ARO 20 ICV	100378		8.10	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\DATA\081310-J\J35315T.D
Tune Time : 14 Aug 2010 1:45 am

ARO MS

Daily Calibration File : C:\msdchem\1\DATA\081310-J\J35322SI.D

8/14/10

103378

File	Sample	Surrogate Recovery %			Internal Standard Responses
J35319SI.D					
	S9706 ARO	6*	5*	4*	99471
J35320SI.D					
	S9707 ARO	16*	18*	10*	100114
J35321SI.D					
	S9708 ARO	32*	40	20*	96829
J35323SI.D					
	S9710 ARO	156*	179*	99	90532
J35324SI.D					
	S9711 ARO	261*	197*	182*	93720
J35325.D					
	S9716 ARO	0*	4*	100	100378

(fails) - fails 12hr time check * - fails criteria

Created: Sat Aug 14 06:12:37 2010 Instrument J

J8150

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	22359200		8.10	
Upper Limit	44718400		8.16	
Lower limit	11179600		8.04	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	21611900		8.10	
S9707 ARO 5	21507400		8.10	
S9708 ARO 10	21039600		8.10	
S9937 ARO 20	22359200		8.10	
S9710 ARO 50	19848600		8.10	
S9711 ARO 100	20152400		8.10	
S9716 ARO 20 ICV	21822300		8.10	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\DATA\081310-J\J35315T.D
Tune Time : 14 Aug 2010 1:45 am

ARO GC

Daily Calibration File : C:\msdchem\1\DATA\081310-J\J35322SI.D

PM 8/14/10

22359200

File	Sample	Surrogate Recovery %			Internal Standard Responses
J35319SI.D					
	S9706 ARO	6*	7*	5*	21611898
J35320SI.D					
	S9707 ARO	16*	16*	11*	21507353
J35321SI.D					
	S9708 ARO	31*	32*	20*	21039600
J35323SI.D					
	S9710 ARO	148*	155*	96	19848586
J35324SI.D					
	S9711 ARO	260*	201*	180*	20152380
J35325.D					
	S9716 ARO	0*	4*	97	21822311

(fails) - fails 12hr time check * - fails criteria

Created: Sat Aug 14 06:51:48 2010 Instrument J

D 8520

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J SDG:
GC Column: ZB-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	96258		8.10	
Upper Limit	192516		8.16	
Lower limit	48129		8.04	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	94977		8.10	
B081310EASE	87317		8.09	
L081310EASE	77971		8.10	
LD081310EASE	84386		8.10	
L081310EASE	90872		8.10	
LD081310EASE	94753		8.09	
67514-1	83943		8.09	
67514-2	79979		8.09	
67514-2,MS	79148		8.10	
67514-2,MSD	83609		8.09	
S9937 ARO 20	96729		8.10	
S9937 ARO 20	102855		8.10	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\DATA\081310-J\J35360T.D
Tune Time : 14 Aug 2010 6:55 pm

Daily Calibration File : C:\msdchem\1\DATA\081310-J\J35361SC.D

081510
ARW MS

96258

File	Sample	Surrogate Recovery %				Internal Standard Responses	
J35361SC.D							
	S9937 ARO	61	55	39*		96258	
J35363A.D							
	HEXANE W/I	0*	4*	0*		94977	
J35363B.D							
	B081110EAS	76	67	76		95069	
J35364.D							
	67487-2	84	76	50		87116	
J35365.D							
	67487-3	87	76	73		80853	
J35366.D							
	67487-5	85	75	71		80662	
J35367SP.D							
	67487-5,MS	81	70	68		80251	
J35368SP.D							
	67487-5,MS	83	74	75		78140	
J35369.D							
	67487-8	87	77	80		92981	
J35370B.D							
	B081310EAS	82	73	84		87317	
J35371Q.D							
	L081310EAS	77	70	86		77971	
J35372Q.D							
	LD081310EA	82	73	83		84386	
J35373Q.D							
	L081310EAS	0*	5*	1*	ALI	90872	
J35374Q.D							
	LD081310EA	0*	6*	0*	ALI	94753	
J35375.D							
	67350-9,RF	80	72	73		95600	
J35376.D							
	67350-11,R	90	79	21*		82726	Cafirms
J35377.D							
	67470-3,RX	80	77	17*		85404	Cafirms
J35378.D							
	67512-2	72	65	56		91069	
J35379.D							
	67512-3	83	78				

VMT 8/17/10

J35380.D					
	67514-1	88	78	71	83943
J35381.D					
	67514-2	93	83	90	79979
382SP.D					
	67514-2,MS	89	70	83	79148
J35383SP.D					
	67514-2,MS	81	70	83	83609
J35384SC.D					
	S9937 ARO	63	55	40	96729
J35386SC.D					
	S9937 ARO	60	54	40*	102855

(fails) - fails 12hr time check * - fails criteria

Created: Sun Aug 15 11:13:08 2010 Instrument J

35170

VMT 8/17/10

CHAIN OF CUSTODIES

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 5 06/18/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 2°
3) Received in good condition Y or N
4) pH checked by: NA
5) Labels checked by: JB 8/13/10

Project#: 106-2282 Proj. Name: NAS SOWEY HANGER 2
Company: Tetra Tech Inc.
Contact: RICHARD CLAYDON
Address: 133 Federal Street
Boston, MA 02110
Phone: 1-617-~~452-8200~~ 443-7500 PO# 106 3476 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
LRA-6-A	8-12-10	1120	EPH		✓						S	1	G		67514-1
LRA-6-A	8-12-10	1120	VPH						✓		S	2	G		
* LRA-10-A	8-11-10	1410	EPH		✓						S	1	G		2
LRA-10-A	8-11-10	1410	VPH						✓		S	2	G		
Trip Blank									✓			1	G		-3

JB 8/13/10

Received By: Time: 14:40 Date: 8/13/10
Received By: Time: Date:
Received By: Time: Date:
Relinquished By: Sampler: Time: Date:
Relinquished By: Time: Date:
Relinquished By: Time: Date:

Email Results to: richard.claydon@tetratech.com

Comments / Instructions:
*MS/MSD required JB 8/13/10
Diss. Pb samples field filtered.

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☑ 10 Days
*Fee may apply; lab approval required

Project Requirements:
*Fee may apply

Report Type:
☑ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☐ DOD* ☐ Level IV*
☐ Standard

State:
☐ NH
☑ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard: (eg. S-1 or GW-1)
EDD Required: Y* N
Type:

Analytics\AEL Documents\AEL COC

Page 1 of 1

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 67514 COOLER NUMBER: N/A

CLIENT: TETRA TECH INC. NUMBER OF COOLERS: 1

PROJECT: NAS SOWEY HANGAR 2 DATE RECEIVED: 08/13/10

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 08/13/10

1. Cooler received by(initials): R Date Received: 08/13/10

2. Circle one: Hand delivered (If so, skip 3) Shipped

3. Did cooler come with a shipping slip? Y NA

3a. Enter carrier name and airbill number here: N/A

4. Were custody seals on the outside of cooler? Y (N)
How many & where: N/A Seal Date: N/A Seal Name: N/A

5. Did the custody seals arrive unbroken and intact upon arrival? Y N/A

6. COC#: N/A

7. Were Custody papers filled out properly (ink,signed, etc)? (Y) N

8. Were custody papers sealed in a plastic bag? (Y) N

9. Did you sign the COC in the appropriate place? (Y) N

10. Was the project identifiable from the COC papers? (Y) N

11. Was enough ice used to chill the cooler? (Y) N Temp. of cooler: 2°

B. Log-In: Date samples were logged in: 08/13/10 By: R

12. Type of packing in cooler(bubble wrap,popcorn) (Y) N

13. Were all bottles sealed in separate plastic bags? (Y) N

14. Did all bottles arrive unbroken and were labels in good condition? (Y) N

15. Were all bottle labels complete(ID,Date,time,etc.) (Y) N

16. Did all bottle labels agree with custody papers? (Y) N

17. Were the correct containers used for the tests indicated: Y N

18. Were samples received at the correct pH? Y NA

19. Was sufficient amount of sample sent for the tests indicated? (Y) N

20. Were bubbles absent in VOA samples? Y NA

If NO, List Sample ID's and Lab #s:

21. Laboratory labeling verified by (initials): JBB Date: 8/13/10

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

September 30, 2010

Mr. Brian Corbett
Tetra TECH EC, Inc.
160 Federal Street, 6th Floor
Boston, MA 02110

RE: Analytical Results Case Narrative
Analytics # 67722
NAS SOWEY
South Weymouth, MA

Dear Mr. Corbett:

Enclosed please find the analytical results for samples collected from the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for VOCs by EPA Method 8260B Volatile Petroleum Hydrocarbons (VPH) using MADEP VPH Method Rev 1.1, May 2004, Extractable Petroleum Hydrocarbons by Massachusetts DEP EPH Method, Rev 1.1 May 2004 and TAL Metals. The TAL Metals analyses were subcontracted to Test America Laboratories, GA.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level IV package has been assembled in the following order:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- MCP Cover Pages
- Summary Report
- Sample Logbook Pages/Extraction Data Sheets
- VOA Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- VOA Form 2 Surrogate Recoveries
- VOA Form 3 MS/MSD (LCS) Recoveries
- VOA Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
- VOA Form 5 DFTPP Tune Summaries
- VOA Form 6 Initial Calibration Data (equiv.) Response Factor Report
- VOA Form 7 Continuing Calibration Check (equiv.)
- VOA Form 8 Internal Standard Area and RT Summary
- VPH Form 1 Data Sheet
- VPH Form 2 Surrogate Recoveries
- VPH Form 3 MS/MSD and LCS/LCSD Recoveries
- VPH Form 4 Method Blank Summary GC/MS Logbook Sheets
- VPH Form 5 BFB Tune Summaries (24-hr. Tune Window)
- VPH Form 6 Initial Calibration Data Target Compounds and Ranges
- VPH Form 7 Continuing Calibration Check
- VPH Form 8 RT Summary

EPH Form 2 Surrogate Recoveries
EPH Form 3 MS/MSD and LCS/LCSD Recoveries
EPH Form 4 Method Blank Summary GC/MS Logbook Sheets
EPH Form 5 DFTPP Tune Summaries (24-hr. Tune Window)
EPH Form 6 Initial Calibration Data Target Compounds and Ranges
EPH Form 7 Continuing Calibration Check (equiv.)
EPH Form 8 Internal Standard Area and RT Summary
Chain of Custody (COC) Forms
Sample Receipt Checklist

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations.

VOCs by EPA Method 8260B:
This narrative is specific to the list of target analytes requested by the client and reported on the Form 1 data pages. Non-target (NT) analyte deviations were not addressed. The following analytes were not reported below the quantitation limit in this report: Methylene chloride, Acetone, Methyl Iodide, Hexachlorobutadiene, and Naphthalene.

Vinyl Acetate had recovery of 76% in the initial calibration verification standard for the calibration curve V808100C.

Vinyl acetate is not included in the laboratory spiking mix for methanol soils. All other target analytes are included in the spike solution.

All samples were analyzed at dilutions due to high concentrations of non-target analytes.

The continuing calibration standard (file# C76180SC) had %D outside the acceptance criteria for Methyl iodide, and Vinyl Acetate. The laboratory control sample duplicate (LS09130C2) had high recovery for Methyl iodide. The laboratory control sample (LS09130C) was in control for all analytes. The MS/MSD analyzed on sample 67722-2 had recoveries outside the laboratory acceptance criteria for Chloromethane, Vinyl chloride, n-butyl benzene and Methyl iodide. These analytes were in control in the laboratory control samples except as stated above. These anlaytes were not detected in any samples associated with this QC and results were reported without qualification.

Volatile Petroleum Hydrocarbons (VPH):
Only the VPH hydrocarbon ranges were reported. No results were reported below the quantitation limit for C9-C10 aromatic range.

All samples required dilution due to the concentrations of hydrocarbons present in the samples.

Samples 67722-3 10X and 67722-4 10X had high surrogate recoveries due to matrix interference. Results were reported with a comment to this affect.

The laboratory control sample (LSV091310K2) had surrogate recovery below acceptance criteria on the FID detector. All anlaytes recoveries were in control.

Extractable Petroleum Hydrocarbons (EPH):
The MS/MSD analyzed on sample 67722-2 had high recovery for Alkane C12. All other analytes were in control.

All samples required dilution due to the concentrations of hydrocarbons present in the samples.

If you have any questions or I can be of further assistance, please do not hesitate to contact me.

Sincerely
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

Report Number: 67722

Revision: Rev. 0

Re: NAS South Weymouth Building 82

Enclosed are the results of the analyses on your sample(s). Samples were received on 09 September 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Sample Analysis: The attached pages detail the Client Sample IDs, Lab Sample IDs, and Analyses requested

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 09/13/2010

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

CLIENT: Tetra Tech EC, Inc. **REPORT NUMBER: 67722** **REV: Rev. 0**

PROJECT: NAS South Weymouth Building 82

Lab Number	Sample Date	Station Location	Analysis	Comments
67722-1	09/08/10	IV-B82-GTM1-01	EPA 8260 Volatile Organics	
	09/08/10	IV-B82-GTM1-01	MADEP EPH	
	09/08/10	IV-B82-GTM1-01	TAL Metals	
	09/08/10	IV-B82-GTM1-01	Volatile Petroleum Hydrocarbons	
67722-2	09/09/10	IV-B82-GTM2-01	EPA 8260 Volatile Organics	
	09/09/10	IV-B82-GTM2-01	MADEP EPH	
	09/09/10	IV-B82-GTM2-01	TAL Metals	
	09/09/10	IV-B82-GTM2-01	Volatile Petroleum Hydrocarbons	
67722-3	09/09/10	IV-B82-GTM3-01	EPA 8260 Volatile Organics	
	09/09/10	IV-B82-GTM3-01	MADEP EPH	
	09/09/10	IV-B82-GTM3-01	TAL Metals	
	09/09/10	IV-B82-GTM3-01	Volatile Petroleum Hydrocarbons	
67722-4	09/09/10	IV-B82-GTM3-11	EPA 8260 Volatile Organics	
	09/09/10	IV-B82-GTM3-11	MADEP EPH	
	09/09/10	IV-B82-GTM3-11	TAL Metals	
	09/09/10	IV-B82-GTM3-11	Volatile Petroleum Hydrocarbons	
67722-5	09/09/10	Trip Blank	Electronic Data Deliverable	
	09/09/10	Trip Blank	EPA 8260 Volatile Organics	

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 67722

Project Location: NAS South Weymouth Building 82 RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

67722-1, 67722-2, 67722-3, 67722-4, 67722-5

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☒	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☒	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☒ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** September 30, 2010

Summary Report

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

SAMPLE DATA

Lab Sample ID: MB09130C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94 %	d8-Toluene	95 %	Bromofluorobenzen	96 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

SAMPLE DATA

Lab Sample ID:	67722-1
Matrix:	Solid
Percent Solid:	90
Dilution Factor:	105
Collection Date:	09/08/10
Lab Receipt Date:	09/09/10
Analysis Date:	09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: IV-B82-GTM1-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	105	U	1,1,2-Trichloroethane	79	U
Chloromethane	105	U	1,3-Dichloropropane	105	U
Vinyl Chloride	105	U	Tetrachloroethene	105	U
Bromomethane	105	U	2-Hexanone	1050	U
Chloroethane	105	U	Dibromochloromethane	79	U
Trichlorofluoromethane	105	U	1,2-Dibromoethane	79	U
1,1-Dichloroethene	79	U	Chlorobenzene	105	U
Acetone	1050	U	1,1,1,2-Tetrachloroethane	105	U
Methyl iodide	105	U	Ethylbenzene	105	U
Carbon Disulfide	105	U	o-Xylene	105	U
Methylene Chloride	527	U	m,p-Xylene	105	**101 J**
trans-1,2-Dichloroethene	105	U	Styrene	105	U
Methyl-tert-butyl ether (MTBE)	79	U	Bromoform	79	U
1,1-Dichloroethane	105	**100 J**	Isopropylbenzene	105	U
Vinyl acetate	790	U	1,1,2,2-Tetrachloroethane	79	U
Methyl ethyl ketone	1050	U	Bromobenzene	105	U
cis-1,2-Dichloroethene	105	U	1,2,3-Trichloropropane	105	U
2,2-Dichloropropane	105	U	n-Propylbenzene	105	U
Bromochloromethane	105	U	2-Chlorotoluene	105	U
Chloroform	79	U	1,3,5-Trimethylbenzene	105	**94 J**
1,1,1-Trichloroethane	105	**109**	4-Chlorotoluene	105	U
1,1-Dichloropropene	105	U	tert-butylbenzene	105	U
Carbon Tetrachloride	105	U	1,2,4-Trimethylbenzene	105	**179**
1,2-Dichloroethane	79	U	sec-butylbenzene	105	**207**
Benzene	105	U	p-isopropyltoluene	105	**332**
Trichloroethene	105	U	1,3-Dichlorobenzene	105	U
1,2-Dichloropropane	79	U	1,4-Dichlorobenzene	105	U
Dibromomethane	105	U	n-butylbenzene	105	U
Bromodichloromethane	79	U	1,2-Dichlorobenzene	105	U
cis-1,3-Dichloropropene	105	U	1,2-Dibromo-3-chloropropane	105	U
Methyl isobutyl ketone	1050	U	1,2,4-Trichlorobenzene	105	U
Toluene	105	U	Hexachlorobutadiene	105	U
trans-1,3-Dichloropropene	105	U	Naphthalene	105	**620**
			1,2,3-Trichlorobenzene	105	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	80 %	d8-Toluene	86 %	Bromofluorobenzen	88 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A. Quantitation limits increased due to the presence of non-target analytes.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

SAMPLE DATA

Lab Sample ID: 67722-2
Matrix: Solid
Percent Solid: 92
Dilution Factor: 106
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: IV-B82-GTM2-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	106	U	1,1,2-Trichloroethane	80	U
Chloromethane	106	U	1,3-Dichloropropane	106	U
Vinyl Chloride	106	U	Tetrachloroethene	106	U
Bromomethane	106	U	2-Hexanone	1060	U
Chloroethane	106	U	Dibromochloromethane	80	U
Trichlorofluoromethane	106	U	1,2-Dibromoethane	80	U
1,1-Dichloroethene	80	U	Chlorobenzene	106	U
Acetone	1060	U	1,1,1,2-Tetrachloroethane	106	U
Methyl iodide	106	U	Ethylbenzene	106	U
Carbon Disulfide	106	U	o-Xylene	106	U
Methylene Chloride	531	U	m,p-Xylene	106	U
trans-1,2-Dichloroethene	106	U	Styrene	106	U
Methyl-tert-butyl ether (MTBE)	80	U	Bromoform	80	U
1,1-Dichloroethane	106	U	Isopropylbenzene	106	U
Vinyl acetate	797	U	1,1,2,2-Tetrachloroethane	80	U
Methyl ethyl ketone	1060	U	Bromobenzene	106	U
cis-1,2-Dichloroethene	106	U	1,2,3-Trichloropropane	106	U
2,2-Dichloropropane	106	U	n-Propylbenzene	106	U
Bromochloromethane	106	U	2-Chlorotoluene	106	U
Chloroform	80	U	1,3,5-Trimethylbenzene	106	U
1,1,1-Trichloroethane	106	U	4-Chlorotoluene	106	U
1,1-Dichloropropene	106	U	tert-butylbenzene	106	U
Carbon Tetrachloride	106	U	1,2,4-Trimethylbenzene	106	**65 J**
1,2-Dichloroethane	80	U	sec-butylbenzene	106	**66 J**
Benzene	106	U	p-isopropyltoluene	106	**64 J**
Trichloroethene	106	U	1,3-Dichlorobenzene	106	U
1,2-Dichloropropane	80	U	1,4-Dichlorobenzene	106	U
Dibromomethane	106	U	n-butylbenzene	106	U
Bromodichloromethane	80	U	1,2-Dichlorobenzene	106	U
cis-1,3-Dichloropropene	106	U	1,2-Dibromo-3-chloropropane	106	U
Methyl isobutyl ketone	1060	U	1,2,4-Trichlorobenzene	106	U
Toluene	106	U	Hexachlorobutadiene	106	U
trans-1,3-Dichloropropene	106	U	Naphthalene	106	**219**
			1,2,3-Trichlorobenzene	106	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	82 %	d8-Toluene	88 %	Bromofluorobenzen	83 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A. Quantitation limits increased due to the presence of non-target analytes.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

SAMPLE DATA

Lab Sample ID:	67722-3
Matrix:	Solid
Percent Solid:	91
Dilution Factor:	112
Collection Date:	09/09/10
Lab Receipt Date:	09/09/10
Analysis Date:	09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: IV-B82-GTM3-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	112	U	1,1,2-Trichloroethane	84	U
Chloromethane	112	U	1,3-Dichloropropane	112	U
Vinyl Chloride	112	U	Tetrachloroethene	112	U
Bromomethane	112	U	2-Hexanone	1120	U
Chloroethane	112	U	Dibromochloromethane	84	U
Trichlorofluoromethane	112	U	1,2-Dibromoethane	84	U
1,1-Dichloroethene	84	U	Chlorobenzene	112	U
Acetone	1120	U	1,1,1,2-Tetrachloroethane	112	U
Methyl iodide	112	U	Ethylbenzene	112	U
Carbon Disulfide	112	U	o-Xylene	112	U
Methylene Chloride	559	U	m,p-Xylene	112	U
trans-1,2-Dichloroethene	112	U	Styrene	112	U
Methyl-tert-butyl ether (MTBE)	84	U	Bromoform	84	U
1,1-Dichloroethane	112	U	Isopropylbenzene	112	U
Vinyl acetate	838	U	1,1,2,2-Tetrachloroethane	84	U
Methyl ethyl ketone	1120	U	Bromobenzene	112	U
cis-1,2-Dichloroethene	112	U	1,2,3-Trichloropropane	112	U
2,2-Dichloropropane	112	U	n-Propylbenzene	112	U
Bromochloromethane	112	U	2-Chlorotoluene	112	U
Chloroform	84	U	1,3,5-Trimethylbenzene	112	U
1,1,1-Trichloroethane	112	U	4-Chlorotoluene	112	U
1,1-Dichloropropene	112	U	tert-butylbenzene	112	U
Carbon Tetrachloride	112	U	1,2,4-Trimethylbenzene	112	U
1,2-Dichloroethane	84	U	sec-butylbenzene	112	U
Benzene	112	U	p-isopropyltoluene	112	U
Trichloroethene	112	U	1,3-Dichlorobenzene	112	U
1,2-Dichloropropane	84	U	1,4-Dichlorobenzene	112	U
Dibromomethane	112	U	n-butylbenzene	112	U
Bromodichloromethane	84	U	1,2-Dichlorobenzene	112	U
cis-1,3-Dichloropropene	112	U	1,2-Dibromo-3-chloropropane	112	U
Methyl isobutyl ketone	1120	U	1,2,4-Trichlorobenzene	112	U
Toluene	112	U	Hexachlorobutadiene	112	U
trans-1,3-Dichloropropene	112	U	Naphthalene	112	U
			1,2,3-Trichlorobenzene	112	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	80 %	d8-Toluene	84 %	Bromofluorobenzen	86 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A. Quantitation limits increased due to the presence of non-target analytes.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

SAMPLE DATA

Lab Sample ID: 67722-4
Matrix: Solid
Percent Solid: 92
Dilution Factor: 112
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: IV-B82-GTM3-11

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	112	U	1,1,2-Trichloroethane	84	U
Chloromethane	112	U	1,3-Dichloropropane	112	U
Vinyl Chloride	112	U	Tetrachloroethene	112	U
Bromomethane	112	U	2-Hexanone	1120	U
Chloroethane	112	U	Dibromochloromethane	84	U
Trichlorofluoromethane	112	U	1,2-Dibromoethane	84	U
1,1-Dichloroethene	84	U	Chlorobenzene	112	U
Acetone	1120	U	1,1,1,2-Tetrachloroethane	112	U
Methyl iodide	112	U	Ethylbenzene	112	U
Carbon Disulfide	112	U	o-Xylene	112	U
Methylene Chloride	558	U	m,p-Xylene	112	U
trans-1,2-Dichloroethene	112	U	Styrene	112	U
Methyl-tert-butyl ether (MTBE)	84	U	Bromoform	84	U
1,1-Dichloroethane	112	U	Isopropylbenzene	112	U
Vinyl acetate	837	U	1,1,2,2-Tetrachloroethane	84	U
Methyl ethyl ketone	1120	U	Bromobenzene	112	U
cis-1,2-Dichloroethene	112	U	1,2,3-Trichloropropane	112	U
2,2-Dichloropropane	112	U	n-Propylbenzene	112	U
Bromochloromethane	112	U	2-Chlorotoluene	112	U
Chloroform	84	U	1,3,5-Trimethylbenzene	112	U
1,1,1-Trichloroethane	112	U	4-Chlorotoluene	112	U
1,1-Dichloropropene	112	U	tert-butylbenzene	112	U
Carbon Tetrachloride	112	U	1,2,4-Trimethylbenzene	112	U
1,2-Dichloroethane	84	U	sec-butylbenzene	112	U
Benzene	112	U	p-isopropyltoluene	112	U
Trichloroethene	112	U	1,3-Dichlorobenzene	112	U
1,2-Dichloropropane	84	U	1,4-Dichlorobenzene	112	U
Dibromomethane	112	U	n-butylbenzene	112	U
Bromodichloromethane	84	U	1,2-Dichlorobenzene	112	U
cis-1,3-Dichloropropene	112	U	1,2-Dibromo-3-chloropropane	112	U
Methyl isobutyl ketone	1120	U	1,2,4-Trichlorobenzene	112	U
Toluene	112	U	Hexachlorobutadiene	112	U
trans-1,3-Dichloropropene	112	U	Naphthalene	112	U
			1,2,3-Trichlorobenzene	112	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	81	%	d8-Toluene	87	%	Bromofluorobenzen	87	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A. Quantitation limits increased due to the presence of non-target analytes.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

SAMPLE DATA

Lab Sample ID: 67722-5
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93 %	d8-Toluene	97 %	Bromofluorobenzen	100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): N

SDG: 67722

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	94		100		98	
LS09130C	99		104		106	
LS09130C2	102		104		105	
MB09130C	94		95		96	
67722-5	93		97		100	
67722-1	80		86		88	
67722-2	82		88		83	
67722-3	80		84		86	
67722-4	81		87		87	
67722-2,MS	88		92		92	
67722-2,MSD	93		91		95	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 67722
Non-spiked sample: MB09130C
Spike: LS09130C
Spike duplicate: LS09130C2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	2000	2000	49	82	25	0	1269	63		1353	68		6	
Chloromethane	2000	2000	75	125	25	0	1563	78		1777	89		13	
Vinyl Chloride	2000	2000	75	125	25	0	1538	77		1670	84		8	
Bromomethane	2000	2000	75	125	25	0	1823	91		1883	94		3	
Chloroethane	2000	2000	75	125	25	0	1562	78		1602	80		3	
t-Butyl alcohol (TBA)	10000	10000	60	140	25	0	7923	79		9839	98		22	
Trichlorofluoromethane	2000	2000	75	125	25	0	1669	83		1762	88		5	
Diethyl ether	2000	2000	75	125	25	0	2070	103		2184	109		5	
1,1,2-Trichlorotrifluoroethane	2000	2000	75	125	25	0	1960	98		2055	103		5	
Acetone	5000	5000	75	125	25	0	5997	120		5337	107		12	
1,1-Dichloroethene	2000	2000	75	125	25	0	1942	97		2072	104		7	
Methyl iodide	2000	2000	75	125	25	0	2467	123		2791	140	*	12	
Di-isopropyl ether (DIPE)	2000	2000	75	125	25	0	1874	94		1961	98		5	
Methylene Chloride	2000	2000	75	125	25	0	2024	101		2082	104		3	
Carbon Disulfide	2000	2000	75	125	25	0	1994	100		2118	106		6	
Acrylonitrile	2000	2000	75	125	25	0	1957	98		2028	101		4	
Methyl-tert-butyl ether (MTBE)	2000	2000	75	125	25	0	2156	108		2293	115		6	
trans-1,2-Dichloroethene	2000	2000	75	125	25	0	1949	97		2038	102		4	
1,1-Dichloroethane	2000	2000	75	125	25	0	1983	99		2097	105		6	
Methyl ethyl ketone	5000	5000	60	140	25	0	4792	96		5192	104		8	
Ethyl t-butyl ether (ETBE)	2000	2000	75	125	25	0	1937	97		1997	100		3	
2,2-Dichloropropane	2000	2000	75	125	25	0	2097	105		2329	116		11	
cis-1,2-Dichloroethene	2000	2000	75	125	25	0	1891	95		2021	101		7	
t-Amyl methyl ether (TAME)	2000	2000	75	125	25	0	1874	94		1941	97		4	
Chloroform	2000	2000	75	125	25	0	1866	93		2038	102		9	
Bromochloromethane	2000	2000	75	125	25	0	2157	108		2278	114		5	
Tetrahydrofuran	2000	2000	60	140	25	0	1862	93		2114	106		13	
1,1,1-Trichloroethane	2000	2000	75	125	25	0	1916	96		2081	104		8	
1,1-Dichloropropene	2000	2000	75	125	25	0	1878	94		2010	101		7	
Carbon Tetrachloride	2000	2000	75	125	25	0	2028	101		2181	109		7	
1,2-Dichloroethane	2000	2000	75	125	25	0	1855	93		2065	103		11	
Benzene	2000	2000	75	125	25	0	1876	94		1947	97		4	
Trichloroethene	2000	2000	75	125	25	0	2078	104		2091	105		1	
1,2-Dichloropropane	2000	2000	75	125	25	0	1936	97		2052	103		6	
Methylmethacrylate	2000	2000	75	125	25	0	1815	91		1934	97		6	
Bromodichloromethane	2000	2000	75	125	25	0	1950	98		2071	104		6	
Dibromomethane	2000	2000	75	125	25	0	2200	110		2333	117		6	
2-Hexanone	5000	5000	75	125	25	0	4622	92		4751	95		3	
Methyl isobutyl ketone	5000	5000	75	125	25	0	4730	95		4773	95		1	
cis-1,3-Dichloropropene	2000	2000	75	125	25	0	2004	100		2115	106		5	
Toluene	2000	2000	75	125	25	0	1938	97		1989	99		3	
trans-1,3-Dichloropropene	2000	2000	75	125	25	0	2006	100		2069	103		3	
1,1,2-Trichloroethane	2000	2000	75	125	25	0	2017	101		2112	106		5	
1,3-Dichloropropane	2000	2000	75	125	25	0	1834	92		1917	96		4	
Tetrachloroethene	2000	2000	75	125	25	0	1682	84		1729	86		3	
Dibromochloromethane	2000	2000	75	125	25	0	1891	95		2001	100		6	
1,2-Dibromoethane	2000	2000	75	125	25	0	1831	92		1914	96		4	
Chlorobenzene	2000	2000	75	125	25	0	1889	94		1915	96		1	
1,1,1,2-Tetrachloroethane	2000	2000	75	125	25	0	1918	96		1969	98		3	
Ethylbenzene	2000	2000	75	125	25	0	1886	94		1893	95		0	

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 67722
Non-spiked sample: MB09130C
Spike: LS09130C
Spike duplicate: LS09130C2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
m,p-Xylene	4000	4000	75	125	25	0	3803	95		3829	96		1	
o-Xylene	2000	2000	75	125	25	0	1917	96		1948	97		2	
Styrene	2000	2000	75	125	25	0	1921	96		1952	98		2	
Bromoform	2000	2000	75	125	25	0	1938	97		1954	98		1	
Isopropylbenzene	2000	2000	75	125	25	0	1905	95		1935	97		2	
1,1,2,2-Tetrachloroethane	2000	2000	75	125	25	0	1811	91		1885	94		4	
1,2,3-Trichloropropane	2000	2000	75	125	25	0	1946	97		2045	102		5	
trans-1,4-Dichloro-2-butene	2000	2000	75	125	25	0	2070	103		2115	106		2	
n-Propylbenzene	2000	2000	75	125	25	0	1887	94		1927	96		2	
Bromobenzene	2000	2000	75	125	25	0	1957	98		1994	100		2	
1,3,5-Trimethylbenzene	2000	2000	75	125	25	0	1940	97		1990	99		3	
2-Chlorotoluene	2000	2000	75	125	25	0	1966	98		2062	103		5	
4-Chlorotoluene	2000	2000	75	125	25	0	1922	96		1976	99		3	
tert-butylbenzene	2000	2000	75	125	25	0	1946	97		1946	97		0	
1,2,4-Trimethylbenzene	2000	2000	75	125	25	0	1894	95		1960	98		3	
sec-butylbenzene	2000	2000	75	125	25	0	1910	96		1955	98		2	
p-isopropyltoluene	2000	2000	75	125	25	0	1884	94		1973	99		5	
1,3-Dichlorobenzene	2000	2000	75	125	25	0	1897	95		1988	99		5	
1,4-Dichlorobenzene	2000	2000	75	125	25	0	1877	94		1891	95		1	
n-butylbenzene	2000	2000	75	125	25	0	1908	95		1900	95		0	
1,2-Dichlorobenzene	2000	2000	75	125	25	0	1920	96		1945	97		1	
1,2-Dibromo-3-chloropropane	2000	2000	75	125	25	0	1771	89		1849	92		4	
1,2,4-Trichlorobenzene	2000	2000	75	125	25	0	1926	96		1915	96		1	
Hexachlorobutadiene	2000	2000	75	125	25	0	1912	96		1900	95		1	
Naphthalene	2000	2000	75	125	25	0	1898	95		1921	96		1	
1,2,3-Trichlorobenzene	2000	2000	75	125	25	0	1922	96		1910	95		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOLATILE ORGANIC SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 67722
Non-spiked sample: 67722-2
Spike: 67722-2,MS
Spike duplicate: 67722-2,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	2198	2205	49	82	25	0	1193	54		1159	53		3	
Chloromethane	2198	2205	75	125	25	0	1579	72	*	1735	79		9	
Vinyl Chloride	2198	2205	75	125	25	0	1606	73	*	1594	72	*	1	
Bromomethane	2198	2205	75	125	25	0	1673	76		1728	78		3	
Chloroethane	2198	2205	75	125	25	0	1828	83		1558	71	*	16	
t-Butyl alcohol (TBA)	10991	11024	60	140	25	0	8607	78		9546	87		10	
Trichlorofluoromethane	2198	2205	75	125	25	0	1737	79		1749	79		0	
Diethyl ether	2198	2205	75	125	25	0	2175	99		2277	103		4	
1,1,2-Trichlorotrifluoroethane	2198	2205	75	125	25	0	2061	94		2053	93		1	
Acetone	5495	5512	75	125	25	0	4731	86		5257	95		10	
1,1-Dichloroethene	2198	2205	75	125	25	0	2068	94		2026	92		2	
Methyl iodide	2198	2205	75	125	25	0	3197	145	*	2913	132	*	10	
Di-isopropyl ether (DIPE)	2198	2205	75	125	25	0	2006	91		1978	90		2	
Methylene Chloride	2198	2205	75	125	25	0	2181	99		2501	113		13	
Carbon Disulfide	2198	2205	75	125	25	0	2063	94		2076	94		0	
Acrylonitrile	2198	2205	75	125	25	0	1895	86		2037	92		7	
Methyl-tert-butyl ether (MTBE)	2198	2205	75	125	25	0	2267	103		2392	108		5	
trans-1,2-Dichloroethene	2198	2205	75	125	25	0	2012	92		2072	94		3	
1,1-Dichloroethane	2198	2205	75	125	25	0	2188	100		2201	100		0	
Methyl ethyl ketone	5495	5512	60	140	25	0	4684	85		5124	93		9	
Ethyl t-butyl ether (ETBE)	2198	2205	75	125	25	0	2051	93		2036	92		1	
2,2-Dichloropropane	2198	2205	75	125	25	0	2177	99		2323	105		6	
cis-1,2-Dichloroethene	2198	2205	75	125	25	0	1996	91		2067	94		3	
t-Amyl methyl ether (TAME)	2198	2205	75	125	25	0	1983	90		1973	89		1	
Chloroform	2198	2205	75	125	25	0	2065	94		2092	95		1	
Bromochloromethane	2198	2205	75	125	25	0	2378	108		2281	103		4	
Tetrahydrofuran	2198	2205	60	140	25	0	1865	85		1769	80		6	
1,1,1-Trichloroethane	2198	2205	75	125	25	0	2105	96		2130	97		1	
1,1-Dichloropropene	2198	2205	75	125	25	0	2002	91		2056	93		2	
Carbon Tetrachloride	2198	2205	75	125	25	0	1876	85		2079	94		10	
1,2-Dichloroethane	2198	2205	75	125	25	0	2073	94		2063	94		1	
Benzene	2198	2205	75	125	25	0	2000	91		1986	90		1	
Trichloroethene	2198	2205	75	125	25	0	2248	102		2096	95		7	
1,2-Dichloropropane	2198	2205	75	125	25	0	2076	94		2061	93		1	
Methylmethacrylate	2198	2205	75	125	25	0	1833	83		1860	84		1	
Bromodichloromethane	2198	2205	75	125	25	0	1945	88		2033	92		4	
Dibromomethane	2198	2205	75	125	25	0	2438	111		2437	111		0	
1,4-Dioxane	54954	55122	60	140	25	0	2815	5	*	3074	6	*	8	
2-Hexanone	5495	5512	75	125	25	0	4417	80		4795	87		8	
Methyl isobutyl ketone	5495	5512	75	125	25	0	4677	85		4814	87		3	
cis-1,3-Dichloropropene	2198	2205	75	125	25	0	2112	96		2091	95		1	
Toluene	2198	2205	75	125	25	0	2040	93		2018	92		1	
trans-1,3-Dichloropropene	2198	2205	75	125	25	0	2009	91		2029	92		1	
1,1,2-Trichloroethane	2198	2205	75	125	25	0	2165	98		2113	96		3	
1,3-Dichloropropane	2198	2205	75	125	25	0	1937	88		1928	87		1	
Tetrachloroethene	2198	2205	75	125	25	0	1817	83		1757	80		4	
Dibromochloromethane	2198	2205	75	125	25	0	1892	86		1927	87		2	
1,2-Dibromoethane	2198	2205	75	125	25	0	1895	86		1906	86		0	
Chlorobenzene	2198	2205	75	125	25	0	1980	90		1938	88		2	
1,1,1,2-Tetrachloroethane	2198	2205	75	125	25	0	1963	89		1994	90		1	

VOA FORM 3

VOLATILE ORGANIC SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 67722
Non-spiked sample: 67722-2
Spike: 67722-2,MS
Spike duplicate: 67722-2,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Ethylbenzene	2198	2205	75	125	25	0	1954	89		1943	88		1	
m,p-Xylene	4396	4410	75	125	25	0	3902	89		3965	90		1	
o-Xylene	2198	2205	75	125	25	0	1983	90		1976	90		1	
Styrene	2198	2205	75	125	25	0	1986	90		2011	91		1	
Bromoform	2198	2205	75	125	25	0	1795	82		1879	85		4	
Isopropylbenzene	2198	2205	75	125	25	0	1972	90		1971	89		0	
1,1,2,2-Tetrachloroethane	2198	2205	75	125	25	0	1908	87		1975	90		3	
1,2,3-Trichloropropane	2198	2205	75	125	25	0	1992	91		2026	92		1	
trans-1,4-Dichloro-2-butene	2198	2205	75	125	25	0	1969	90		2031	92		3	
n-Propylbenzene	2198	2205	75	125	25	0	1935	88		1966	89		1	
Bromobenzene	2198	2205	75	125	25	0	2028	92		2025	92		0	
1,3,5-Trimethylbenzene	2198	2205	75	125	25	0	2023	92		2070	94		2	
2-Chlorotoluene	2198	2205	75	125	25	0	1993	91		2062	94		3	
4-Chlorotoluene	2198	2205	75	125	25	0	2013	92		2039	92		1	
tert-butylbenzene	2198	2205	75	125	25	0	1965	89		1994	90		1	
1,2,4-Trimethylbenzene	2198	2205	75	125	25	65	1995	88		2013	88		1	
sec-butylbenzene	2198	2205	75	125	25	66	2010	88		2027	89		1	
p-isopropyltoluene	2198	2205	75	125	25	64	2067	91		2131	94		3	
1,3-Dichlorobenzene	2198	2205	75	125	25	0	1935	88		1958	89		1	
1,4-Dichlorobenzene	2198	2205	75	125	25	0	1899	86		1905	86		0	
n-butylbenzene	2198	2205	75	125	25	0	2803	127	*	2946	134	*	5	
1,2-Dichlorobenzene	2198	2205	75	125	25	0	1934	88		1953	89		1	
1,2-Dibromo-3-chloropropane	2198	2205	75	125	25	0	1865	85		1932	88		3	
1,2,4-Trichlorobenzene	2198	2205	75	125	25	0	1871	85		1892	86		1	
Hexachlorobutadiene	2198	2205	75	125	25	0	1834	83		1866	85		1	
Naphthalene	2198	2205	75	125	25	219	2095	85		2200	90		5	
1,2,3-Trichlorobenzene	2198	2205	75	125	25	0	1900	86		1872	85		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

Analytics environmental laboratory LLC

IS only V8930 Exp: x 8-11-10

SS+IS V8931 Exp: x 8-11-10

Voltage: 2094

Threshold: 100

GC/MS Volatiles Instrument C: 081010-C

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-C-081010-1-JW							
4	V8081D0C	BFB 50 Ng	5mL	2mL	V8951	✓	C75996T	JW	NA
5		0.2 PPB		0.05mL	V8953 V8941	✓	9751		
6		0.5 PPB		0.125mL		✓	9851		
7		1.0 PPB		0.25mL		✓	9951		
8		2.0 PPB		0.5mL		✓	C76000081		
9		5.0 PPB		1.25mL		✓	0151		
10		20.0 PPB		5mL		✓	0251		
11		50.0 PPB		12.5mL		✓	0351		
12		100.0 PPB		25mL		✓	0451		
13		Blank					0551		
14		20 PPB ICV		5mL	V8954 V8944	✓	0601		
15		20 PPB ICV		5mL		✓	0751		
16									

JW 08.11.10

analytics environmental laboratory LLC

IS only V9027 Exp: 9/27/10

SS+IS V9026 Exp: 9/27/10

091310-C

Voltage: 2094

Threshold: 100

GC/MS Volatiles Instrument C:

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-C-091310-1- MT							
6	V8081100C	BFB 50ng	5mL	2mL	V9014	✓	~~67~~ 67861	MT	NA
7		20ppb		5mL	V9020 V9013	RR Ketones ↓	~~67~~ 79		
8		20ppb		⊥	⊥	✓	~~68~~ 80		
10		LS091310C	50mL/5mL			✓	~~69~~ 81		
11		LS091310C2	⊥			✓	~~70~~ 82		
12		Bromoform	5mL	5mL	V9015	✓	~~71~~ 83		
13		MB091310C	50mL/5mL			✓	~~72~~ 84		
~~14~~ 13		67722-5				✓ TB	85		
~~15~~ 14		-1				✓ 10.57	86		
~~16~~ 15		-2				✓ 10.22	87		
~~17~~ 16		-3				✓ 9.84	88		
~~18~~ 1		-4				✓ 9.77	89		
2		BLK	5mL				90		
3		⊥	⊥				91		
4		67743-1 ~~67722-14~~	50mL/5mL			✓ Screen 10.34 ~~11.68~~	92		
5		67722-~~15~~ -16				Screen ~~10.07~~ 9.10	93		
6		⊥ ~~-16~~ -14	⊥			⊥ 9.18 11.68	94		
7		~~-14~~ -15	⊥			⊥ 10.09	95		
8		67722-2,MS				✓ Same Mass features 9.88	96		
10		⊥ -2,MSD	⊥			✓ 9.85	97		
11	⊥	67708-1,,500x	10mL			In hazc waste	98	⊥	⊥

MT 9/13/10

MT 9/13/10

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG:
BFB File ID: C75996T.D
BFB Injection Date: 08/10/10
BFB Injection Time: 11:05

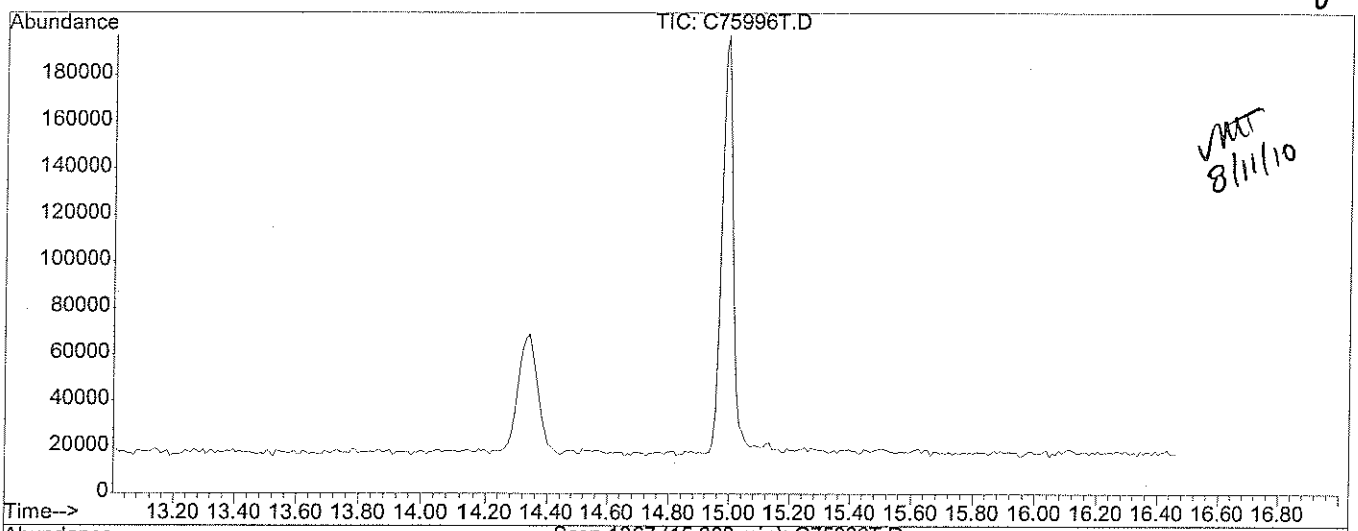
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
0.2 PPB	C75997SI.D	8/10/10	11:40
0.5 PPB	C75998SI.D	8/10/10	12:13
1.0 PPB	C75999SI.D	8/10/10	12:55
2.0 PPB	C76000SI.D	8/10/10	13:29
5.0 PPB	C76001SI.D	8/10/10	14:07
20.0 PPB	C76002SI.D	8/10/10	14:39
50.0 PPB	C76003SI.D	8/10/10	15:08
100.0 PPB	C76004SI.D	8/10/10	15:14
20 PPB ICV	C76006CC.D	8/10/10	16:35
20 PPB ICV2	C76007CC.D	8/10/10	17:08

Refer to the BFB report C75996T.D for ion ratio evaluation.

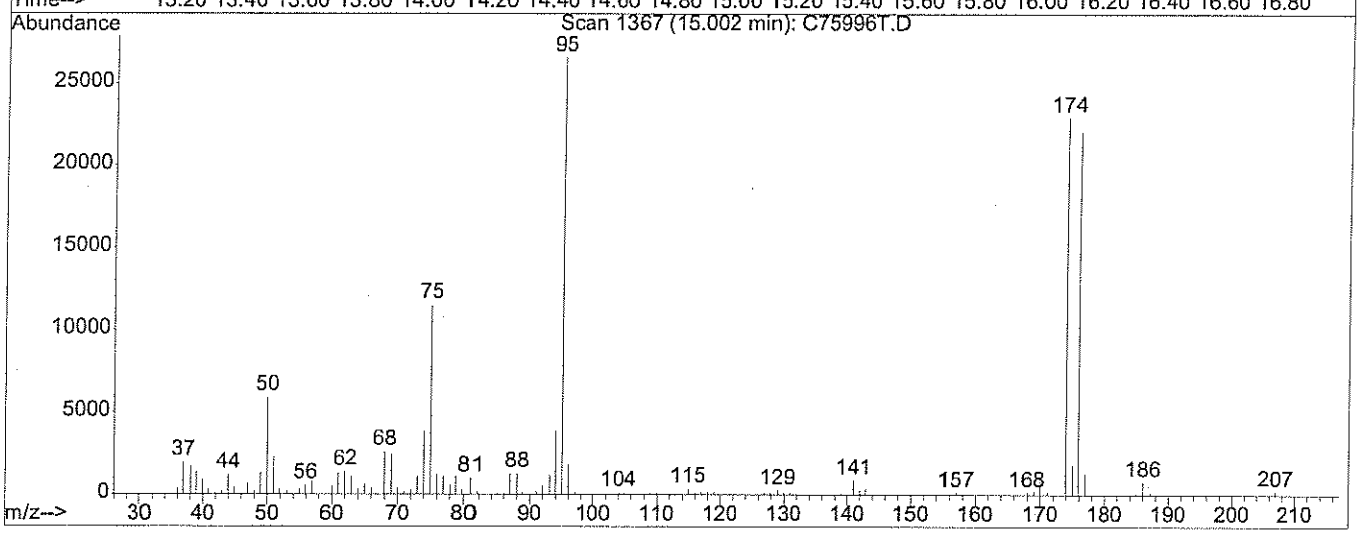
BFB

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75996T.D Vial: 4
Acq On : 10 Aug 2010 11:05 am Operator: JK
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator
Title : 8260 Purgable Organics

OL 08/10/10



VMT 8/11/10



Spectrum Information: Scan 1367

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	5911	PASS
75	95	30	60	43.3	11499	PASS
95	95	100	100	100.0	26584	PASS
96	95	5	9	6.8	1798	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.4	22960	PASS
175	174	5	9	7.9	1821	PASS
176	174	95	101	96.2	22096	PASS
177	176	5	9	5.9	1310	PASS

C75996T.D V808100C.M Tue Aug 10 11:07:26 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

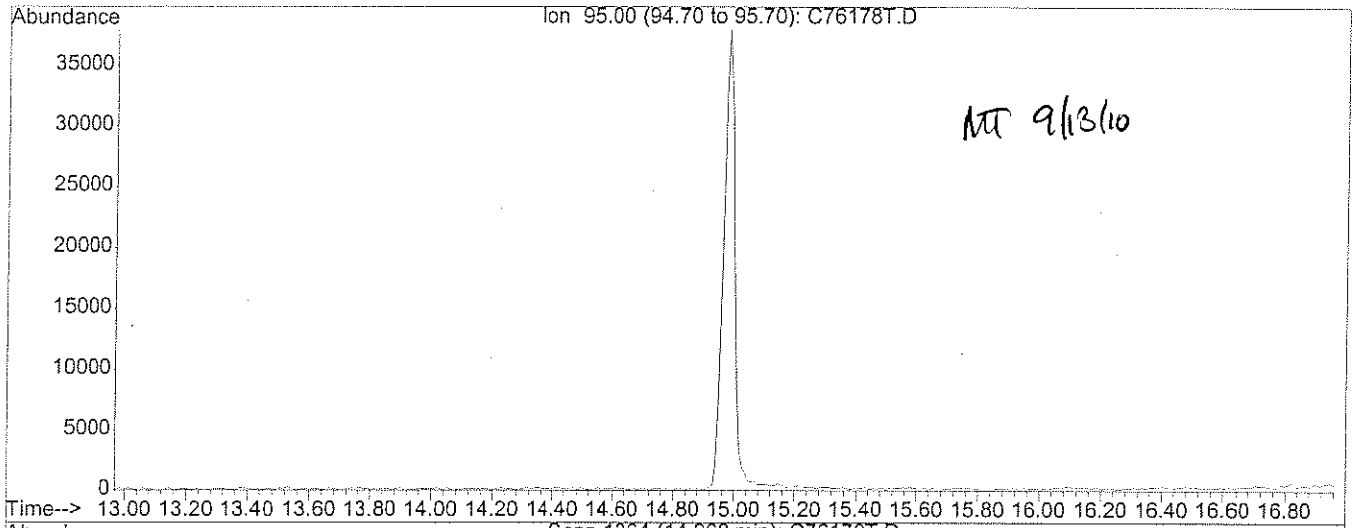
SDG: 67722
BFB File ID: C76178T.D
BFB Injection Date: 09/13/10
BFB Injection Time: 9:49

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
20 PPB	C76180SC.D	9/13/10	10:54
LS09130C	C76181Q.D	9/13/10	11:41
LS09130C2	C76182Q.D	9/13/10	12:20
MB09130C	C76184B.D	9/13/10	13:27
67722-5	C76185.D	9/13/10	13:51
67722-1	C76186.D	9/13/10	14:15
67722-2	C76187.D	9/13/10	14:55
67722-3	C76188.D	9/13/10	15:25
67722-4	C76189.D	9/13/10	15:58
67722-2,MS	C76196SP.D	9/13/10	19:36
67722-2,MSD	C76197SP.D	9/13/10	20:09

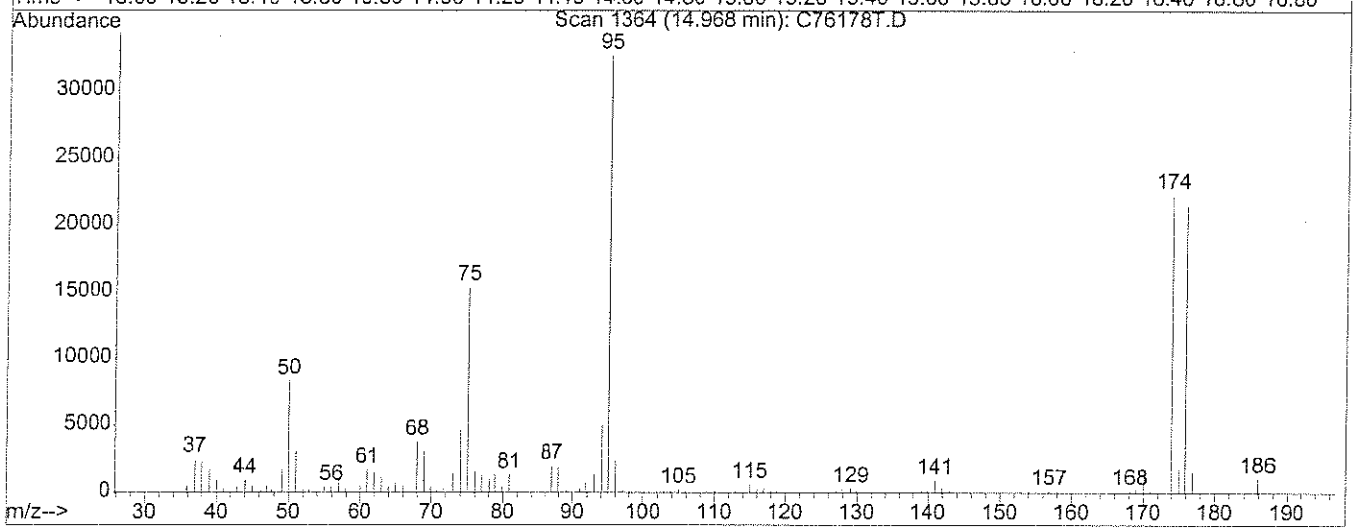
Refer to the BFB report C76178T.D for ion ratio evaluation.

BFB

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76178T.D Vial: 6
Acq On : 13 Sep 2010 9:49 am Operator: MT
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator
Title : 8260 Purgable Organics



MT 9/13/10



Spectrum Information: Scan 1364

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.5	8327	PASS
75	95	30	60	47.0	15383	PASS
95	95	100	100	100.0	32712	PASS
96	95	5	9	7.4	2408	PASS ✓
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.3	22352	PASS
175	174	5	9	8.3	1848	PASS
176	174	95	101	96.1	21480	PASS
177	176	5	9	7.1	1534	PASS

9-2010

C76178T.D V808100C.M Mon Sep 13 11:08:17 2010

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	TM	Dichlorodifluoromet	0.928	0.735	0.729	0.730	0.722	0.700	0.757	11.16
3)	TMP	Chloromethane	1.420	0.977	1.073	0.990	1.014		1.195	~~24.77~~
4)	TMC	Vinyl Chloride	0.952	0.752	0.756	0.722	0.732	0.681	0.766	12.41
5)	TM	Bromomethane	0.626	0.365	0.424	0.580	0.638	0.637	0.522	~~23.92~~
6)	TM	Chloroethane	0.624	0.575	0.585	0.553	0.579	0.561	0.579	4.27
7)	TM	t-Butyl alcohol (TB	0.090	0.073	0.072	0.062	0.071	0.065	0.072#	13.43
8)	TM	Trichlorofluorometh	1.247	1.042	1.129	1.166	1.156	1.124	1.175	8.75
9)	TM	Diethyl ether	0.318	0.309	0.277	0.356	0.331	0.328	0.315	8.53
10)	TM	1,1,2-Trichlorotrif	0.666	0.667	0.591	0.639	0.604	0.602	0.650	10.07
11)	T	Acrolein	0.071	0.052	0.032	0.042	0.043	0.042	0.047#	~~28.02~~
12)	TM	Acetone	0.369	0.311	0.267	0.269	0.258	0.251	0.315	~~26.71~~
13)	TMC	1,1-Dichloroethene	0.696	0.665	0.538	0.592	0.569	0.566	0.604	10.31
14)	TM	Methyl iodide	0.428	0.420	0.389	0.626	0.545		0.481	~~20.83~~
15)	TM	Di-isopropyl ether	3.354	2.840	2.528	2.879	2.759	2.818	2.967	12.50
16)	TM	Methylene Chloride	1.157	1.081	0.691	0.694	0.680	0.672	0.829	~~27.25~~
[illegible])	TM	Carbon Disulfide	2.164	2.129	1.859	2.117	1.984	2.011	2.044	5.62
18)	TM	Acrylonitrile	0.299	0.337	0.322	0.329	0.330	0.318	0.323	4.13
19)	TM	Methyl-tert-butyl e	1.140	1.170	1.443	1.527	1.545	1.493	1.398	12.12
20)	TM	trans-1,2-Dichloroe	1.220	1.085	0.892	1.015	0.978	0.965	1.029	10.17
21)	TMP	1,1-Dichloroethane	1.675	1.298	1.132	1.236	1.194	1.177	1.344	~~17.78~~
22)	TM	Vinyl acetate	1.297	0.991	1.038	1.314	1.399	1.394	1.252	13.33
23)	TM	Methyl ethyl ketone	0.079	0.063	0.065	0.071	0.069	0.066	0.072#	12.46
24)	TM	Ethyl t-butyl ether	2.426	2.109	1.861	2.152	2.081	2.105	2.176	10.04
25)	TM	2,2-Dichloropropane	0.922	0.657	0.695	0.749	0.765	0.773	0.775	11.88
26)	TM	cis-1,2-Dichloroeth	0.867	0.780	0.639	0.747	0.701	0.691	0.737	10.82
27)	TM	t-Amyl methyl ether	1.938	1.816	1.523	1.710	1.652	1.674	1.789	12.65
28)	S	DB Holder #28	0.779	0.742	0.764	0.795	0.763	0.725	0.760	2.84
29)	TMC	Chloroform	1.409	1.213	1.043	1.185	1.120	1.113	1.211	11.69
30)	TM	Bromochloromethane	0.589	0.377	0.325	0.331	0.313	0.309	0.396	~~29.04~~
31)	TM	Tetrahydrofuran	0.123	0.136	0.115	0.085	0.082	0.078	0.103	~~23.91~~
32)	TM	1,1,1-Trichloroetha	1.085	0.903	0.843	0.968	0.922	0.898	0.945	8.37
33)	T	Ethanol	0.016	0.012	0.012	0.013	0.012	0.012	0.013#	12.33
34)	TM	1,1-Dichloropropene	1.154	1.000	0.820	0.928	0.902	0.878	0.947	12.42
35)	TM	Carbon Tetrachlorid	0.549	0.545	0.485	0.603	0.618	0.620	0.563	9.16
36)	S	d4-1,2-Dichloroetha	0.780	0.746	0.764	0.795	0.763	0.725	0.760	2.83
37)	TM	1,2-Dichloroethane	1.005	0.871	0.892	0.925	0.885	0.859	0.906	5.87
38)	TM	Benzene	2.793	2.402	2.144	2.379	2.276	2.309	2.460	11.57
39)	I	1,4-Difluorobenzene	----------ISTD----------							
40)	TM	Trichloroethene	0.566	0.424	0.357	0.385	0.346	0.340	0.432	~~25.45~~
[illegible])	TMC	1,2-Dichloropropane	0.417	0.351	0.317	0.345	0.340	0.324	0.349	10.21
[illegible])	TM	Methylmethacrylate	0.272	0.295	0.240	0.243	0.235	0.230	0.252	10.13

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

JL 08-11-1

		Compound	1	2	5	20	50	100	Avg	%RSD
43)	T	Methyl acetate	0.794	0.560	0.412	0.488	0.462	0.445	0.527	~~26.59~~ L 0.96
44)	T	Cyclohexane	0.651	0.617	0.537	0.578	0.533	0.514	0.572	9.35
45)	TM	Bromodichloromethan	0.449	0.422	0.360	0.419	0.401	0.389	0.407	7.50
46)	TM	Dibromomethane	0.366	0.303	0.246	0.252	0.229	0.206	0.267	~~21.78~~ L 0.99
47)	TM	1,4-Dioxane	0.005	0.005	0.004	0.004	0.004	0.004	0.004#	5.02
48)	T	Methylcyclohexane	0.587	0.535	0.471	0.517	0.489	0.496	0.516	8.01
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl	0.222	0.193	0.175	0.187	0.210	0.168	0.198	11.31
51)	TM	2-Hexanone	0.157	0.139	0.130	0.143	0.138	0.133	0.145	10.31
52)	TM	Methyl isobutyl ket	0.174	0.147	0.137	0.151	0.142	0.138	0.148	9.40
53)	TM	cis-1,3-Dichloropro	0.603	0.562	0.474	0.555	0.532	0.498	0.537	8.61
54)	S	d8-Toluene	1.092	1.104	1.098	1.111	1.101	1.087	1.103	0.96
55)	TMC	Toluene	0.887	0.822	0.684	0.778	0.737	0.727	0.773	9.48 ✓
56)	TM	trans-1,3-Dichlorop	0.568	0.510	0.440	0.517	0.498	0.499	0.505	8.12
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.269	0.261	0.221	0.261	0.247	0.242	0.250	7.00
59)	TM	1,3-Dichloropropane	0.662	0.563	0.457	0.529	0.497	0.492	0.544	13.18
[illegible])	TM	Tetrachloroethene	0.384	0.371	0.386	0.352	0.332	0.332	0.369	9.27
61)	TM	Dibromochloromethan	0.357	0.355	0.301	0.366	0.361	0.353	0.372	12.91
62)	TM	1,2-Dibromoethane	0.384	0.364	0.318	0.377	0.364	0.352	0.385	13.15
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	1.140	1.044	0.907	1.002	0.947	0.966	1.040 ✓	12.30
65)	TM	1,1,1,2-Tetrachloro	0.394	0.347	0.323	0.354	0.337	0.344	0.360	9.50
66)	TMC	Ethylbenzene	1.790	1.638	1.435	1.568	1.480	1.489	1.627	12.30 ✓
67)	TM	m,p-Xylene	0.730	0.662	0.577	0.641	0.602	0.602	0.664	13.48
68)	TM	o-Xylene	0.702	0.659	0.573	0.636	0.583	0.584	0.641	10.36
69)	TM	Styrene	1.202	1.082	0.999	1.096	1.042	1.039	1.121	11.98
70)	TMP	Bromoform	0.170	0.192	0.188	0.246	0.250	0.257	0.212 ✓	~~17.56~~ L 1.000
71)	TM	Isopropylbenzene	1.764	1.726	1.487	1.630	1.528	1.521	1.669	11.39
72)	TMP	1,1,2,2-Tetrachloro	0.525	0.500	0.431	0.482	0.455	0.435	0.494 ✓	13.76
73)	S	Bromofluorobenzene	0.471	0.478	0.477	0.477	0.463	0.459	0.471	1.59
74)	TM	1,2,3-Trichloroprop	0.481	0.382	0.332	0.360	0.338	0.326	0.370	~~15.71~~ L 0.99
75)	TM	trans-1,4-Dichloro-	0.140	0.133	0.109	0.134	0.126	0.124	0.128	8.43
76)	TM	n-Propylbenzene	2.153	2.020	1.731	1.905	1.782	1.750	1.963	12.59
77)	TM	Bromobenzene	0.416	0.364	0.342	0.371	0.351	0.348	0.375	9.76
78)	TM	1,3,5-Trimethylbenz	1.505	1.385	1.204	1.306	1.221	1.213	1.306	9.21
79)	TM	2-Chlorotoluene	1.336	1.229	1.111	1.210	1.146	1.127	1.193	7.04
80)	TM	4-Chlorotoluene	1.288	1.131	0.994	1.120	1.038	1.038	1.128	10.52
81)	TM	tert-butylbenzene	1.302	1.198	1.016	1.145	1.043	1.020	1.158	12.52
82)	TM	1,2,4-Trimethylbenz	1.604	1.417	1.252	1.375	1.265	1.250	1.399	11.63
83)	T	Diisobutylketone	1.098	1.027	0.883	0.962	0.908	0.863	0.990	12.24
[illegible])	TM	sec-butylbenzene	2.024	1.892	1.655	1.808	1.684	1.652	1.848	11.63
[illegible])	TM	p-isopropyltoluene	1.663	1.477	1.281	1.444	1.341	1.319	1.479	13.56

VMT 8/11/10

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

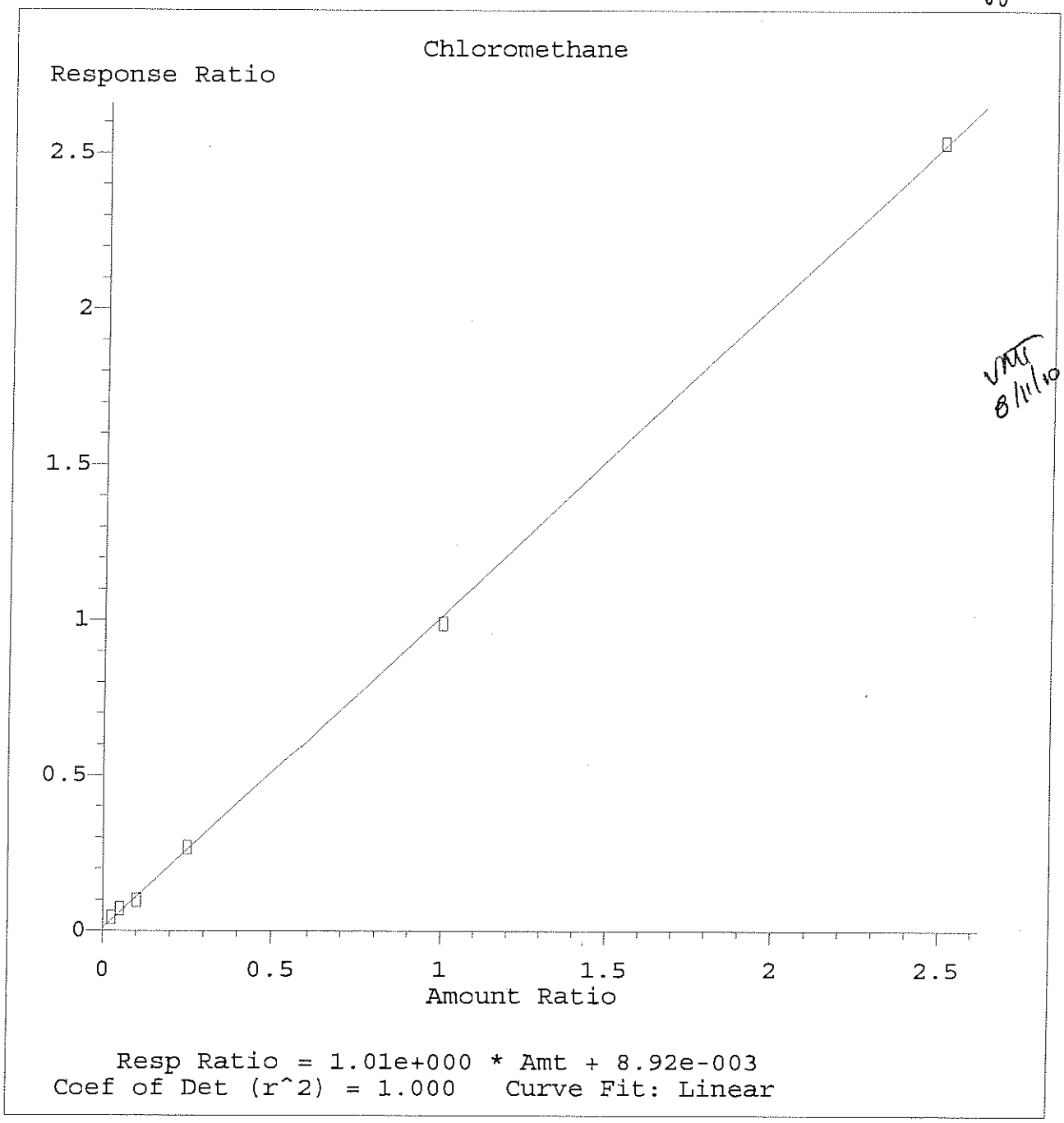
09/11/10

		Compound	1	2	5	20	50	100	Avg	%RSD
86)	TM	1,3-Dichlorobenzene	0.754	0.731	0.599	0.660	0.627	0.611	0.683	11.50
87)	I	1,4-Dichlorobenzene-d	----------	----------	----------	ISTD	----------	----------		
88)	TM	1,4-Dichlorobenzene	1.742	1.632	1.405	1.578	1.461	1.489	1.607	11.63
89)	TM	n-butylbenzene	3.415	3.118	2.755	3.100	2.864	2.925	3.130	10.95
90)	TM	1,2-Dichlorobenzene	1.596	1.500	1.275	1.447	1.331	1.334	1.444	9.44
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.305	0.237	0.198	0.186	0.182	0.177	0.214	~~22.99~~ L/10
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	1.187	1.128	1.000	1.130	1.008	0.971	1.102	10.41
95)	TM	Hexachlorobutadiene	0.626	0.574	0.469	0.547	0.489	0.489	0.547	12.35
96)	TM	Naphthalene	2.965	2.783	2.498	2.806	2.606	2.388	2.674	8.04
97)	TM	1,2,3-Trichlorobenz	1.120	0.980	0.874	1.005	0.921	0.842	0.977	10.84
98)	TM	1,3,5-Trichlorobenz	1.182	1.259	1.035	1.183	1.053	1.055	1.168	11.65

VMT 8/11/10

(#) = Out of Range ### Number of calibration levels exceeded format ###

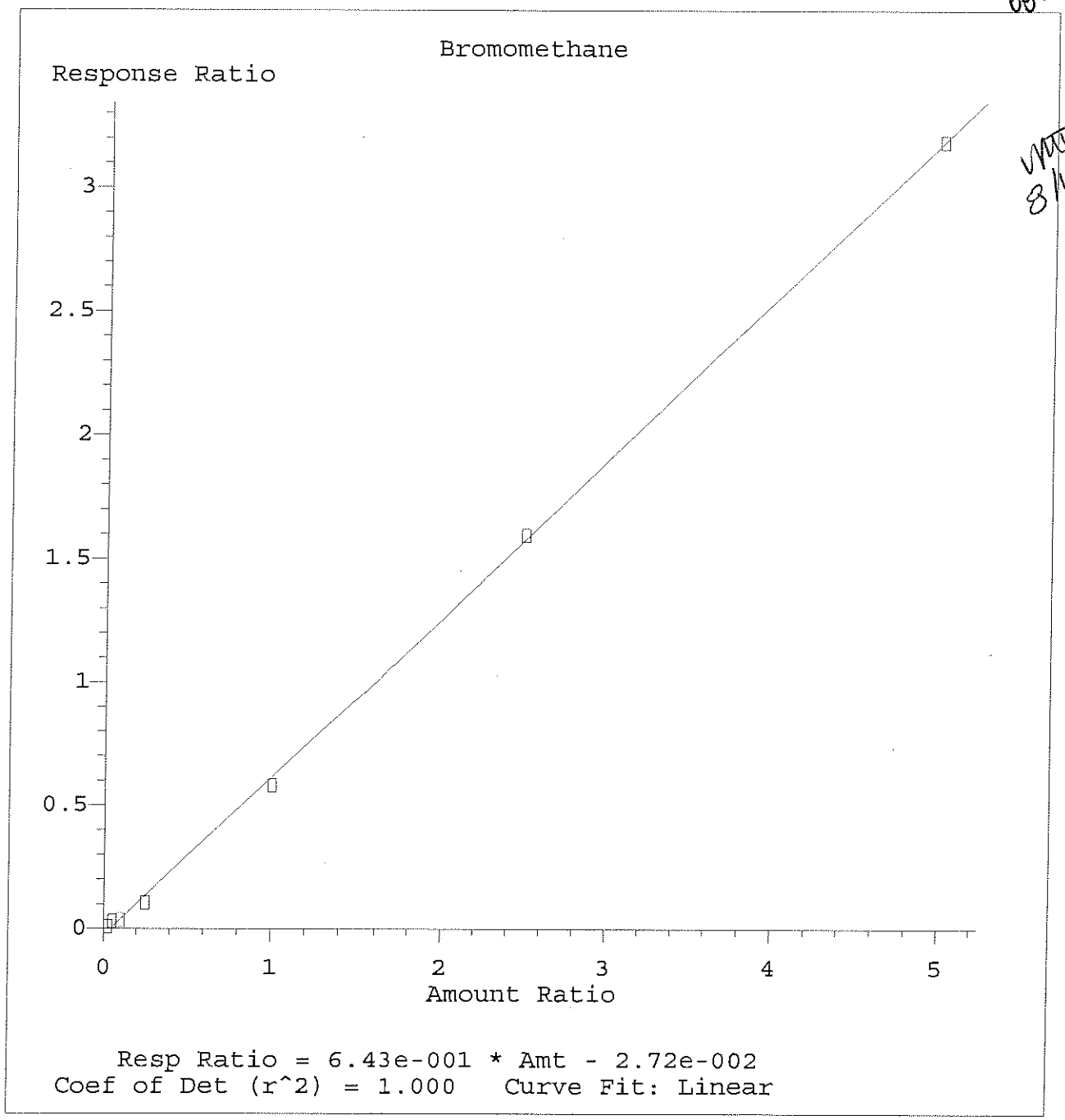
CL
08-11-10



VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:07 2010

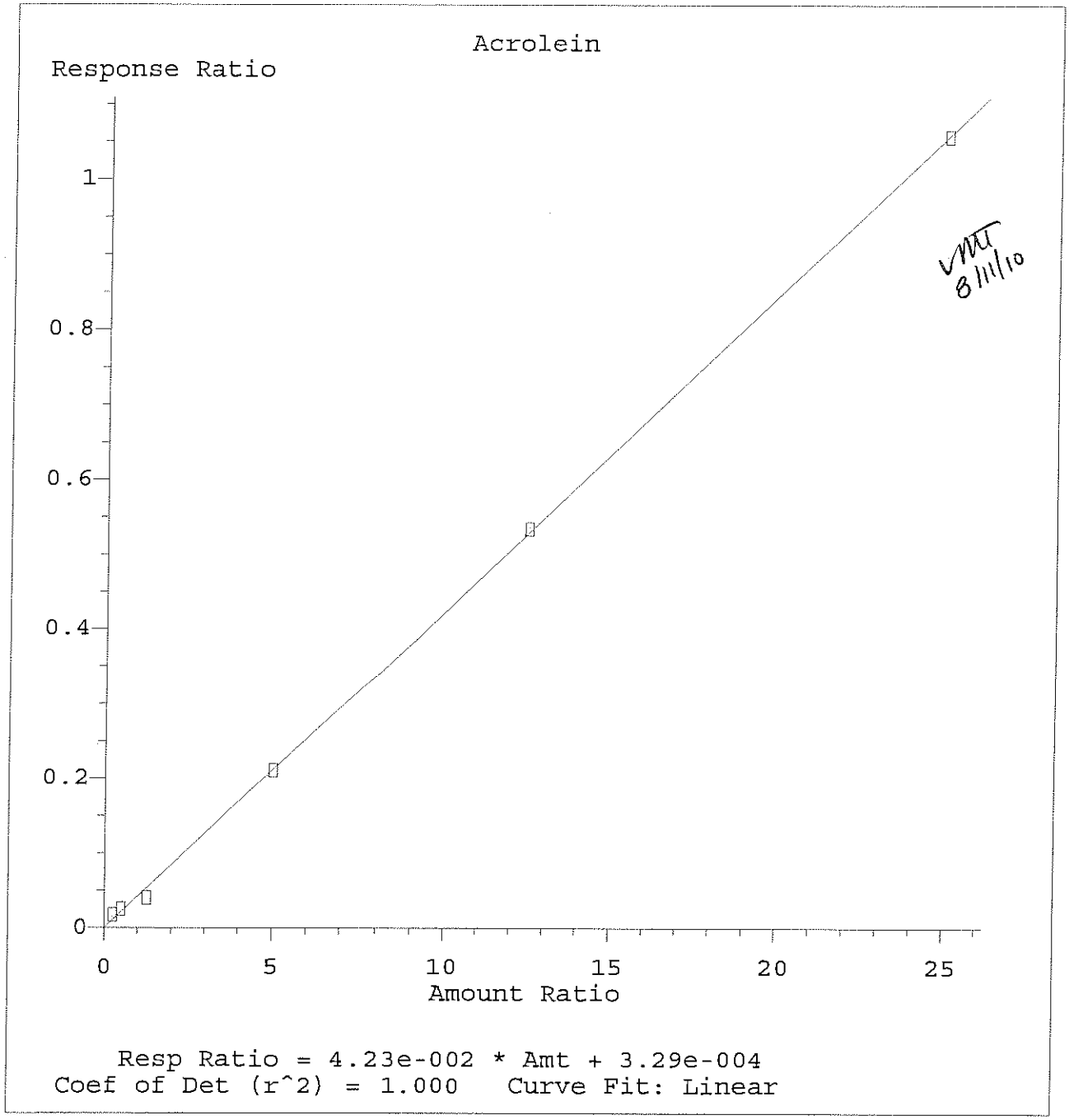
JL 08-11-10



VMT 8/11/10

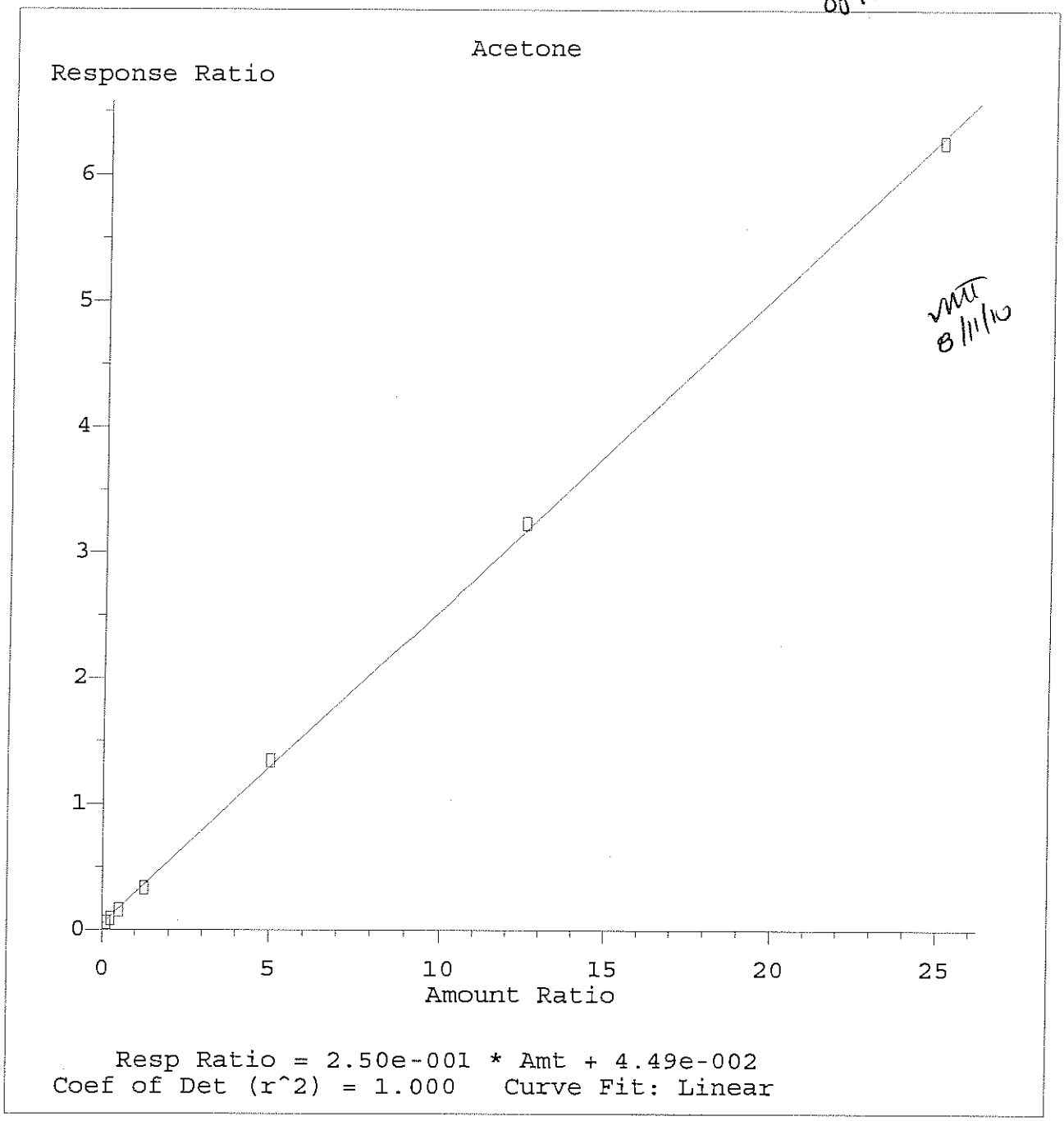
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:59 2010

JL 08/11/10



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:01 2010

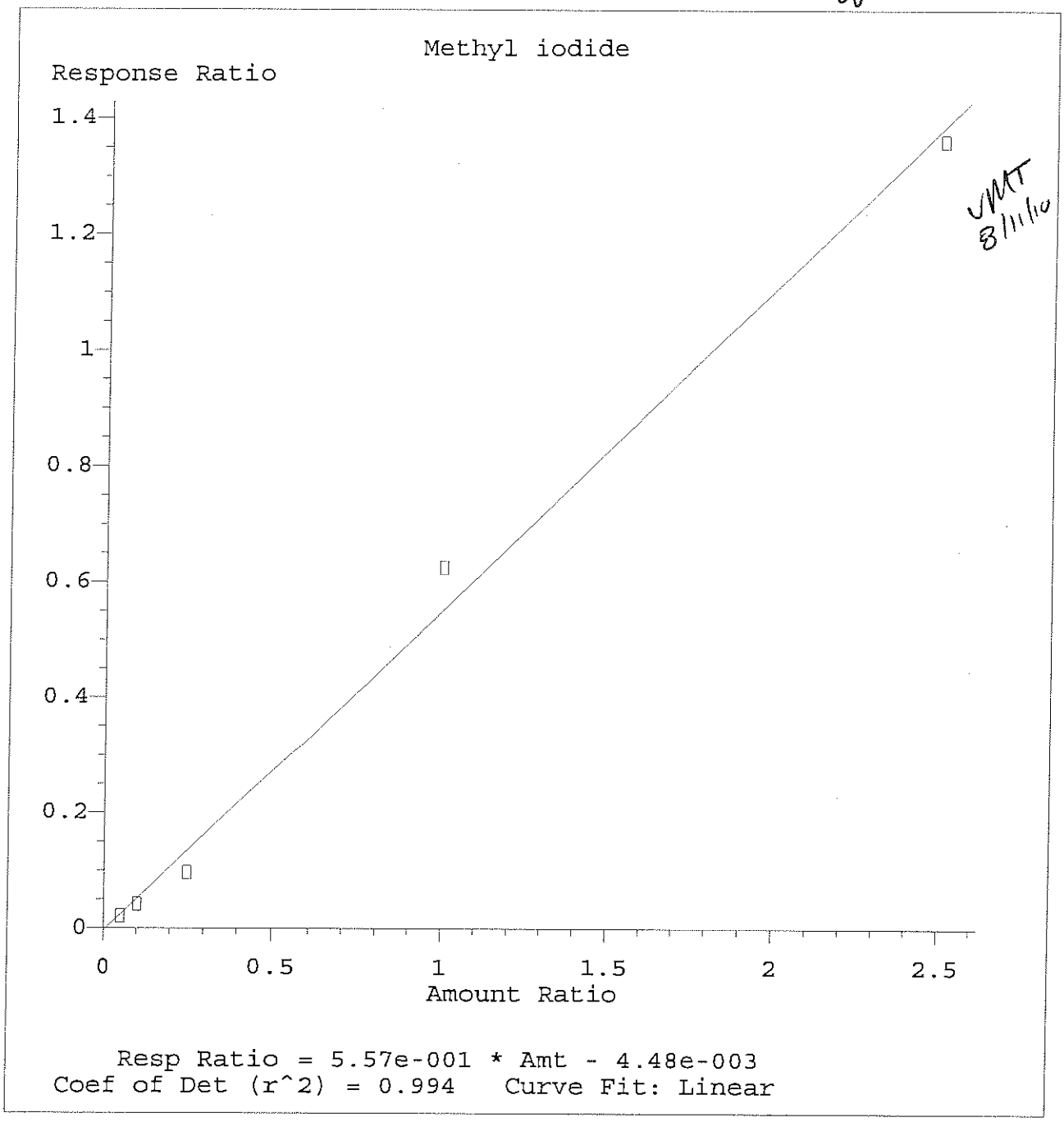
CL
08.11.10



MTT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:19 2010

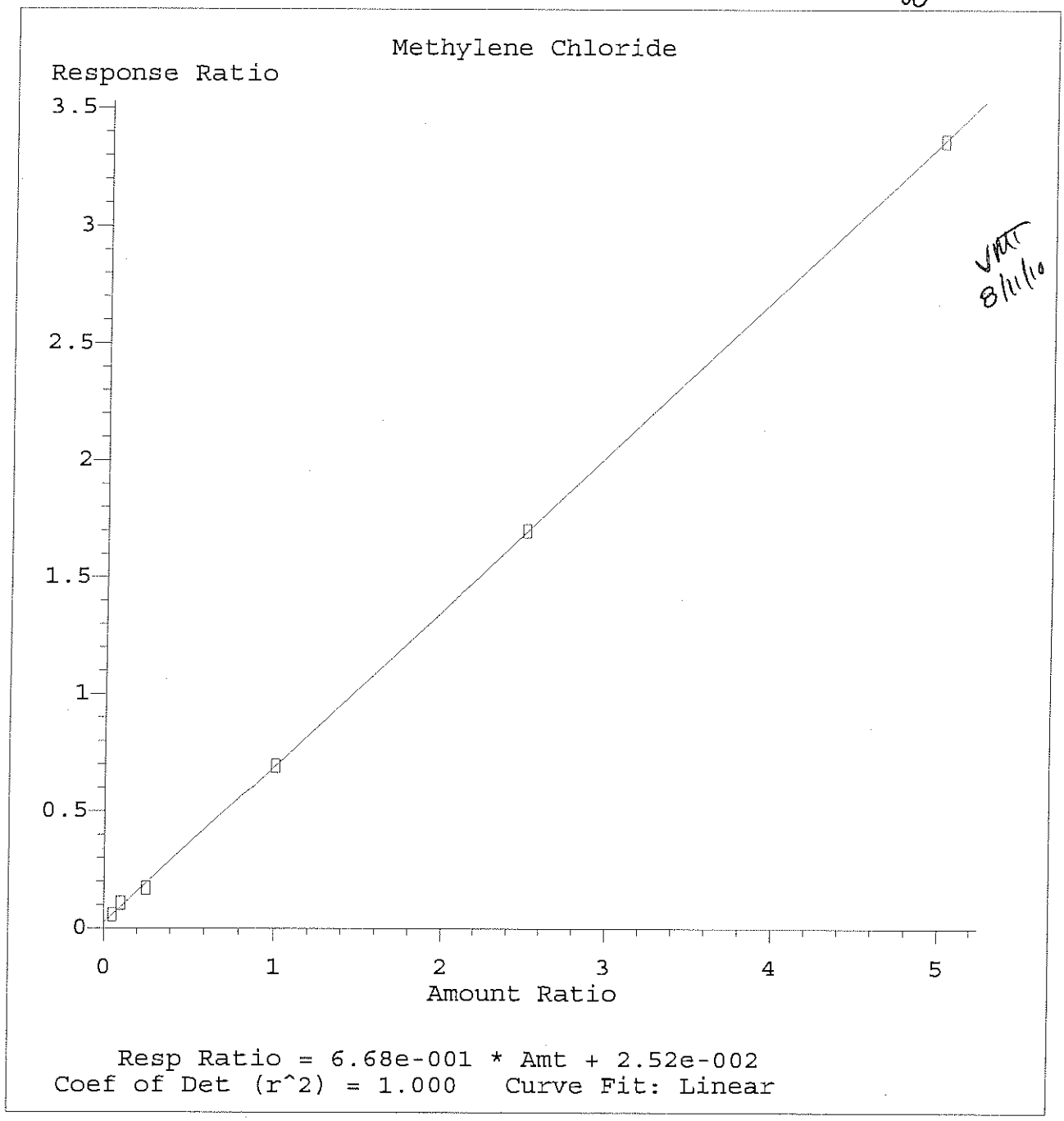
JL 08/11/10



VMT 8/11/10

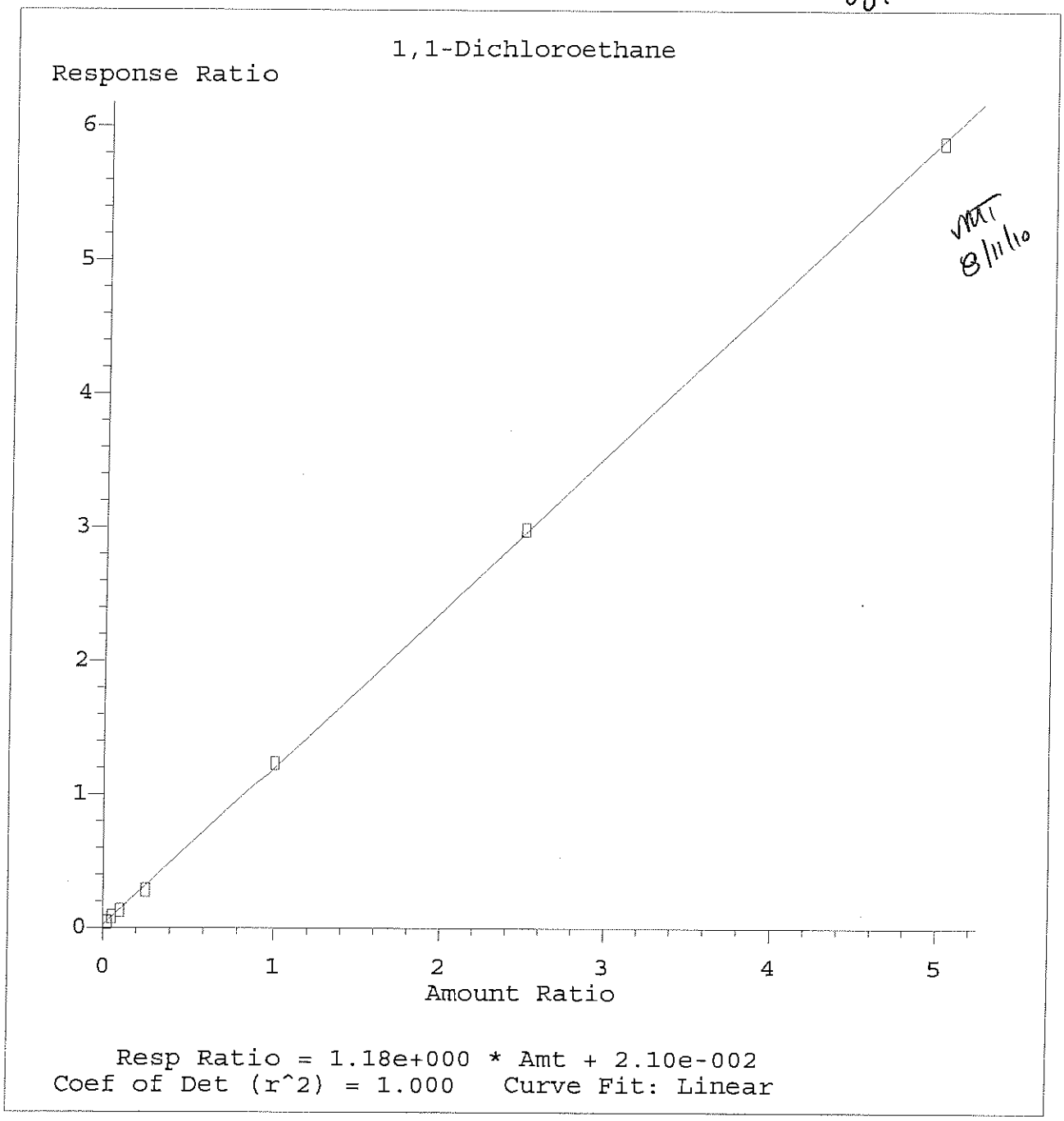
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:42:36 2010

JL
08-11-10



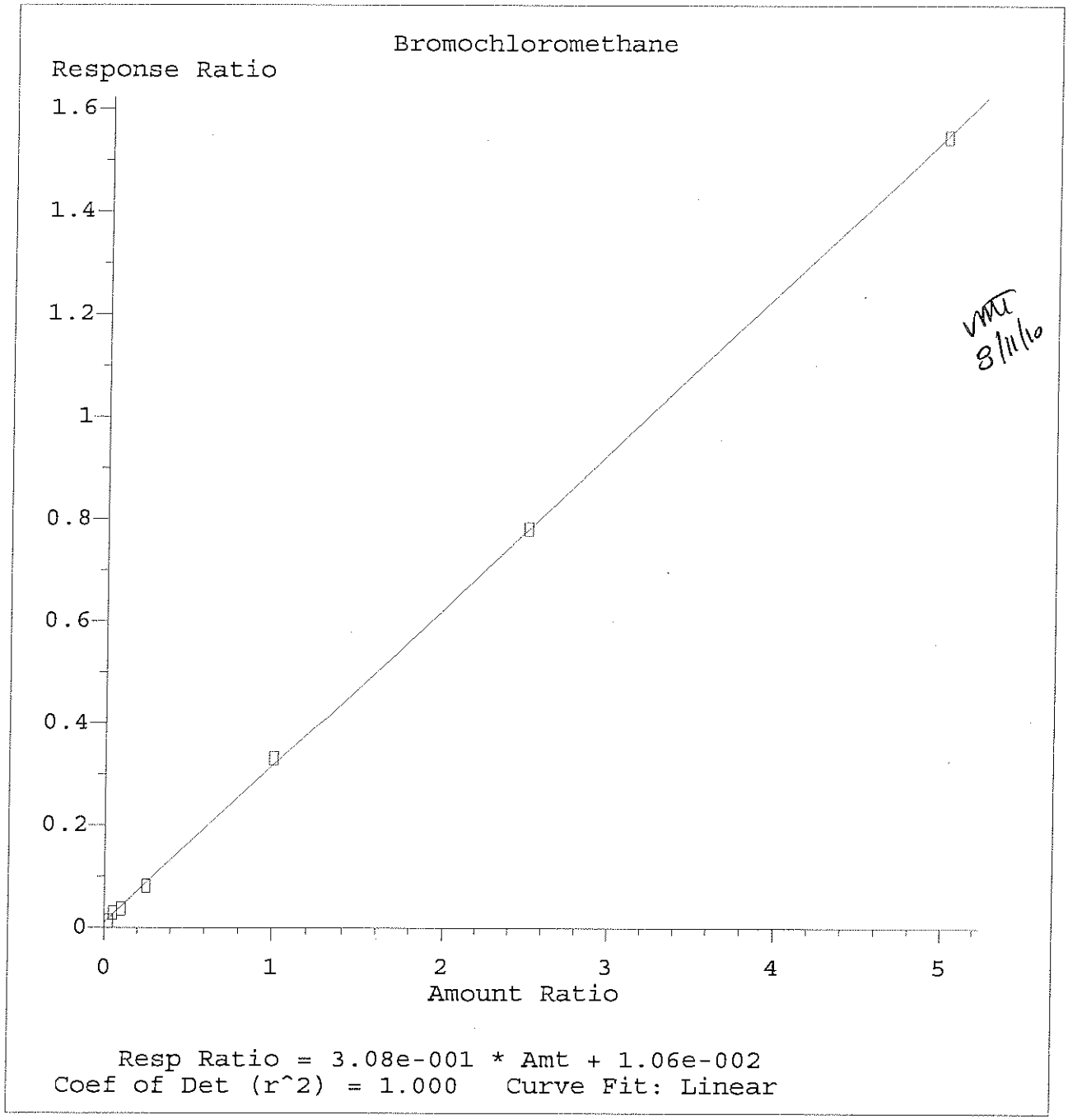
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:00:45 2010

JL
08/11/10



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:02:07 2010

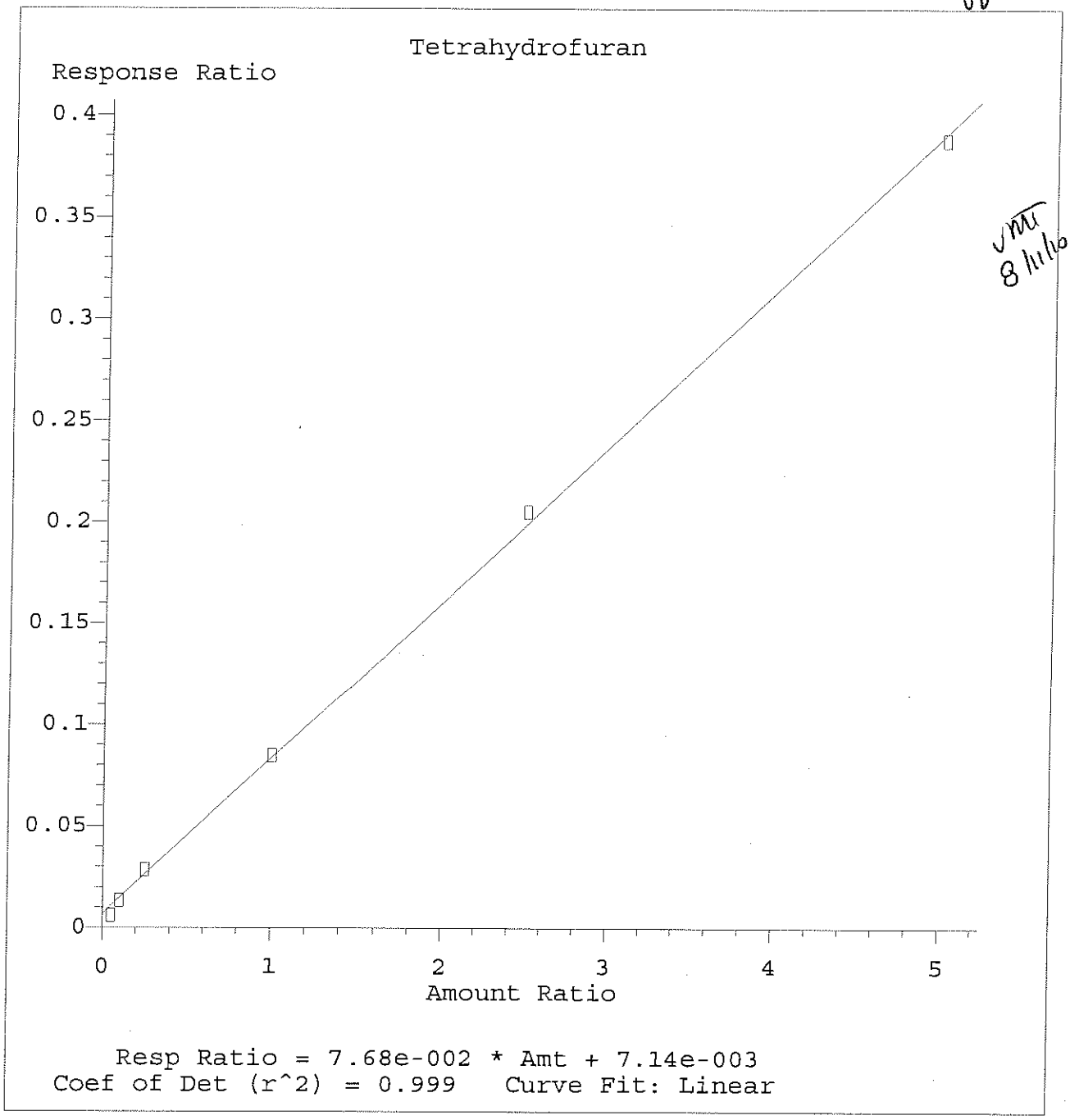
UL
08.11.10



VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:11:44 2010

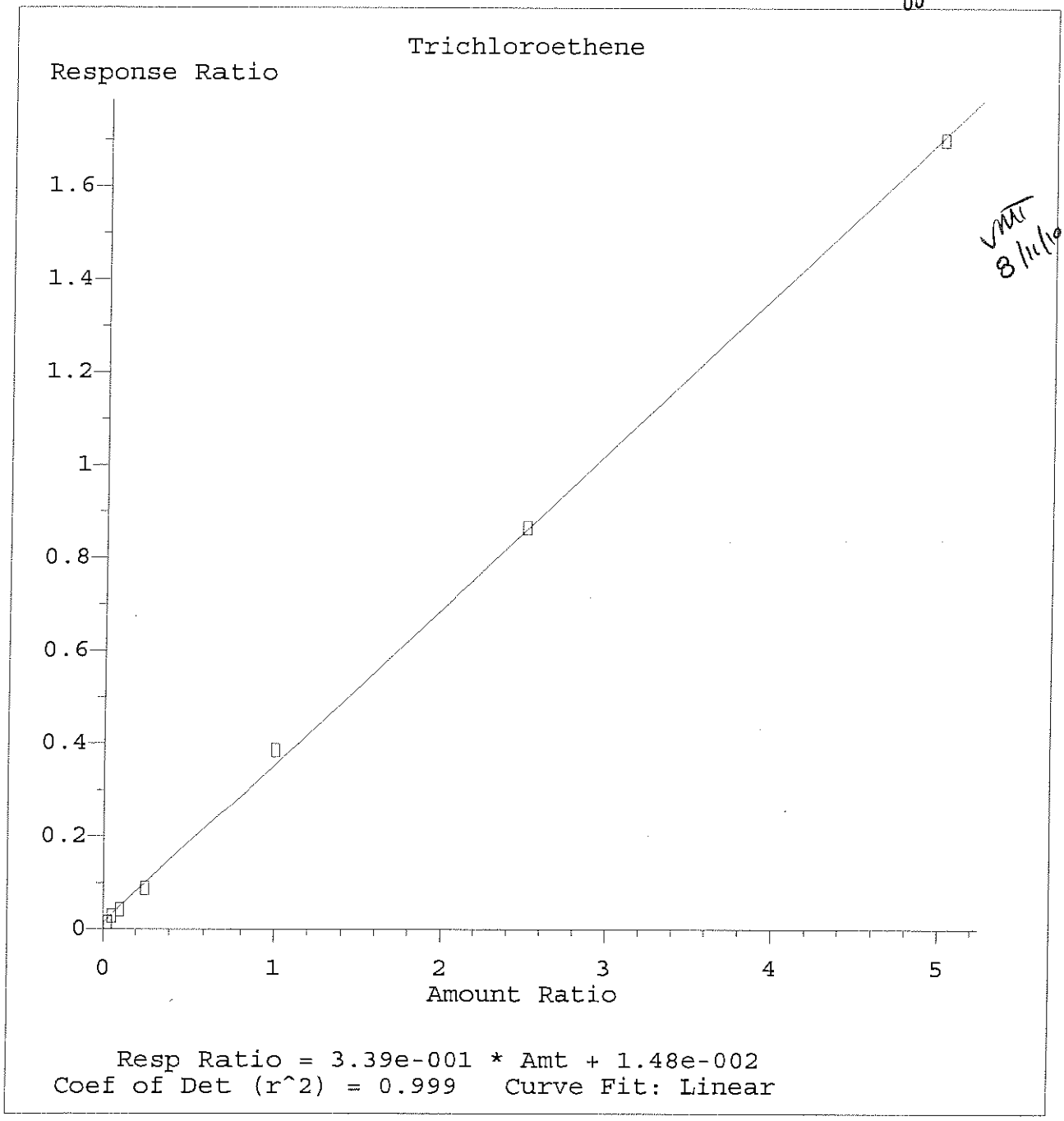
JL 08/11/10



VMT 8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:03:57 2010

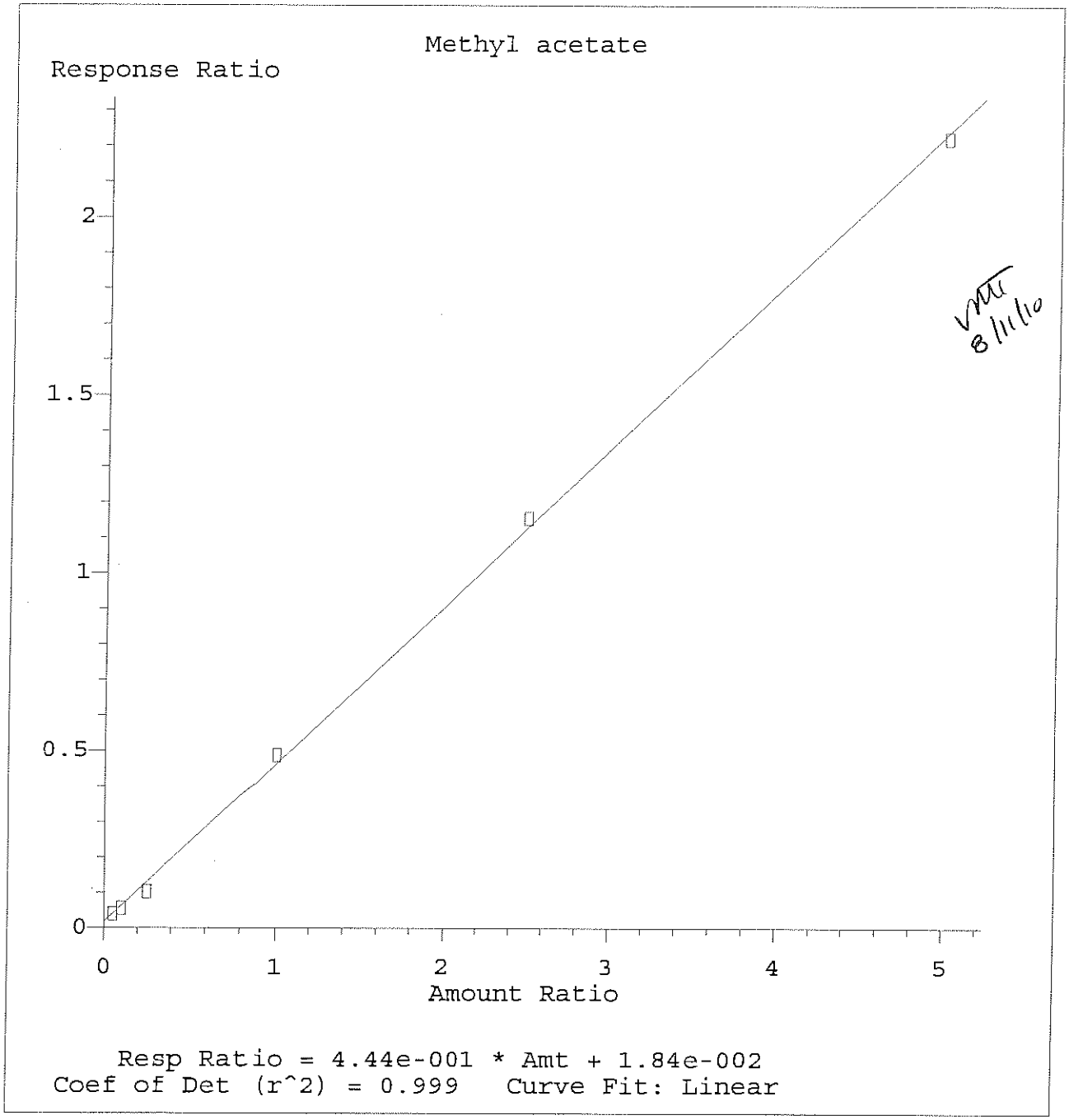
JL
08-11-10



VMT
8/11/10

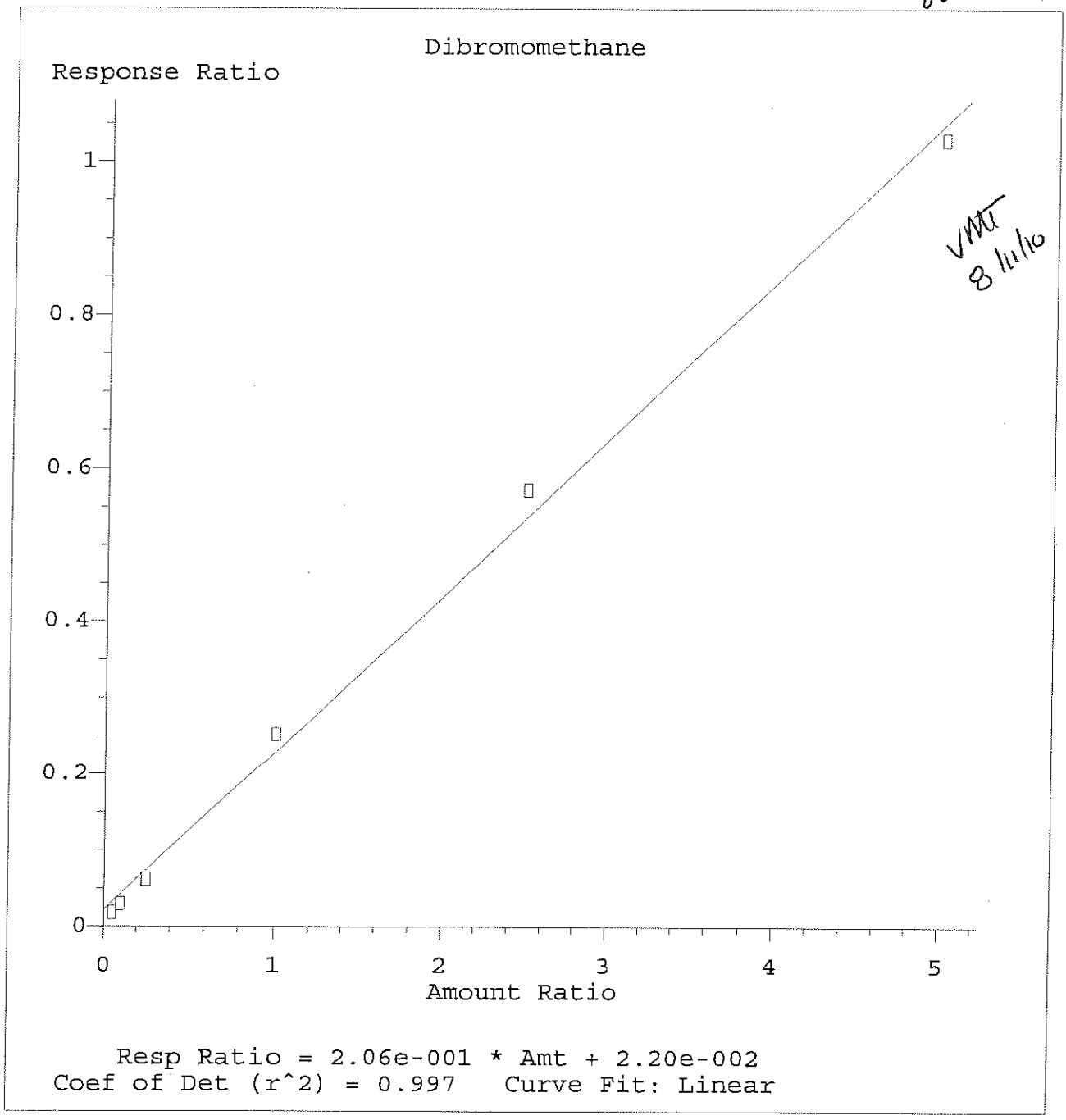
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:02 2010

JR
09/11/10

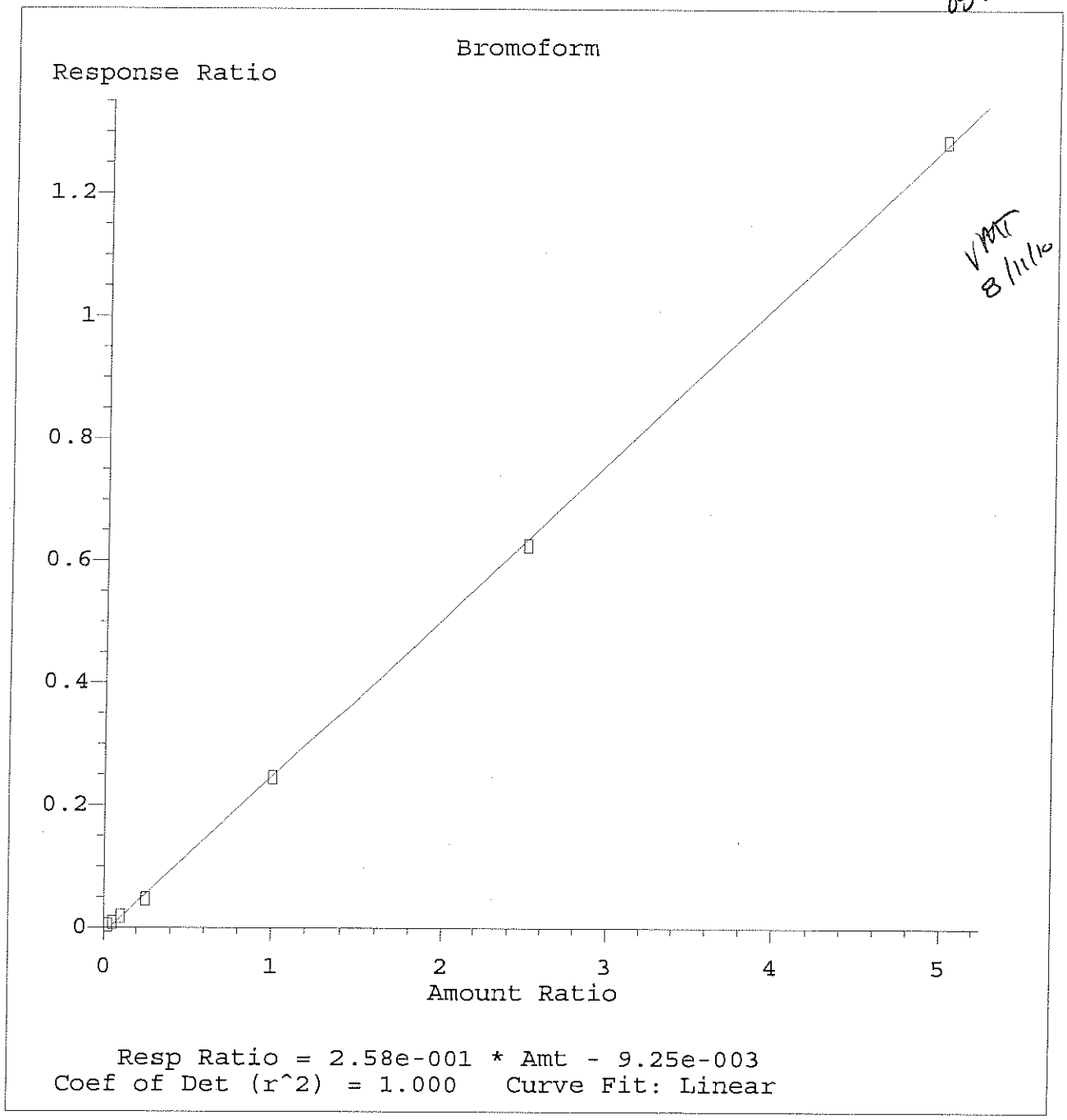


VMC
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:39 2010

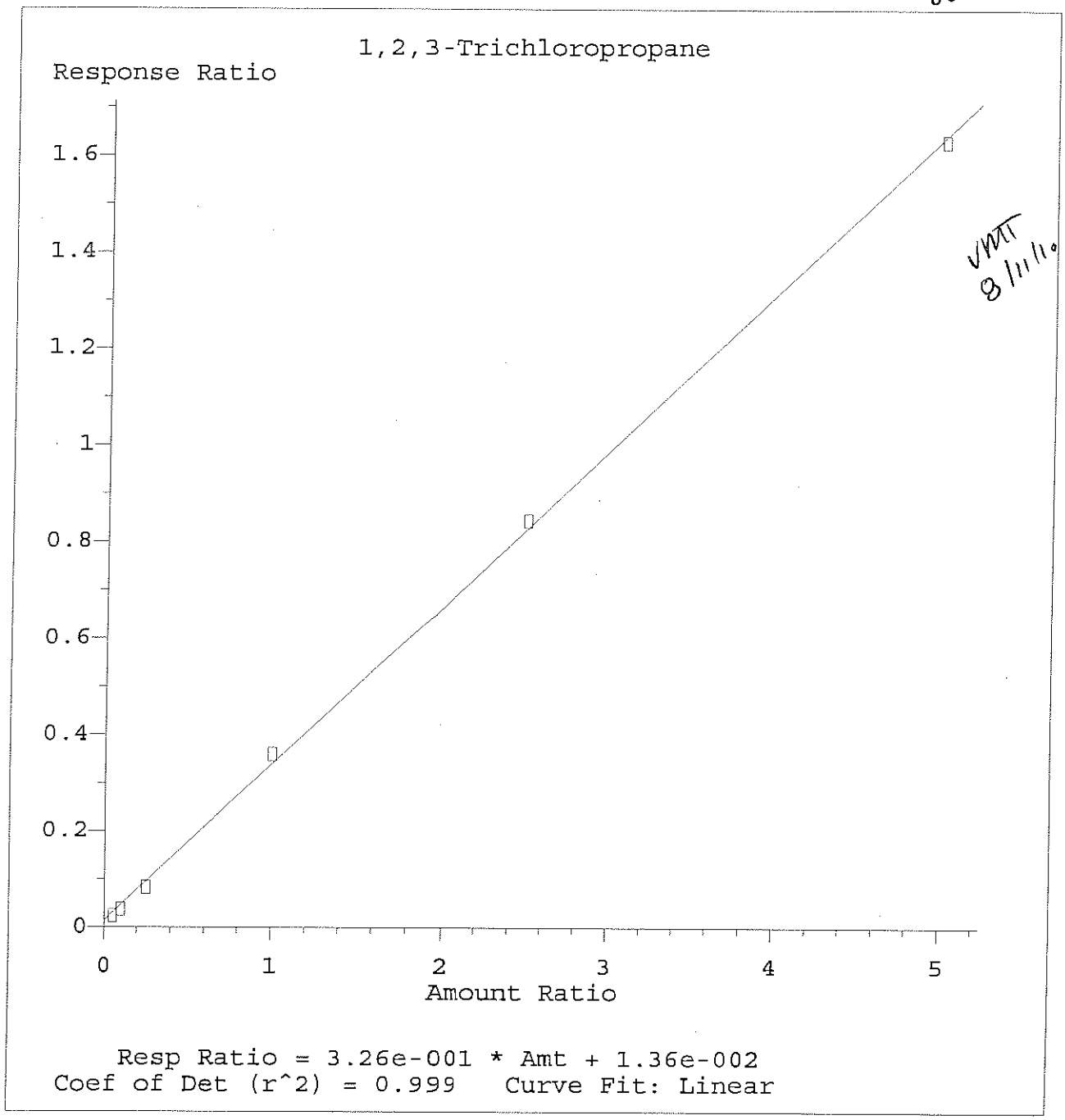


Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:06:08 2010



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:08:39 2010

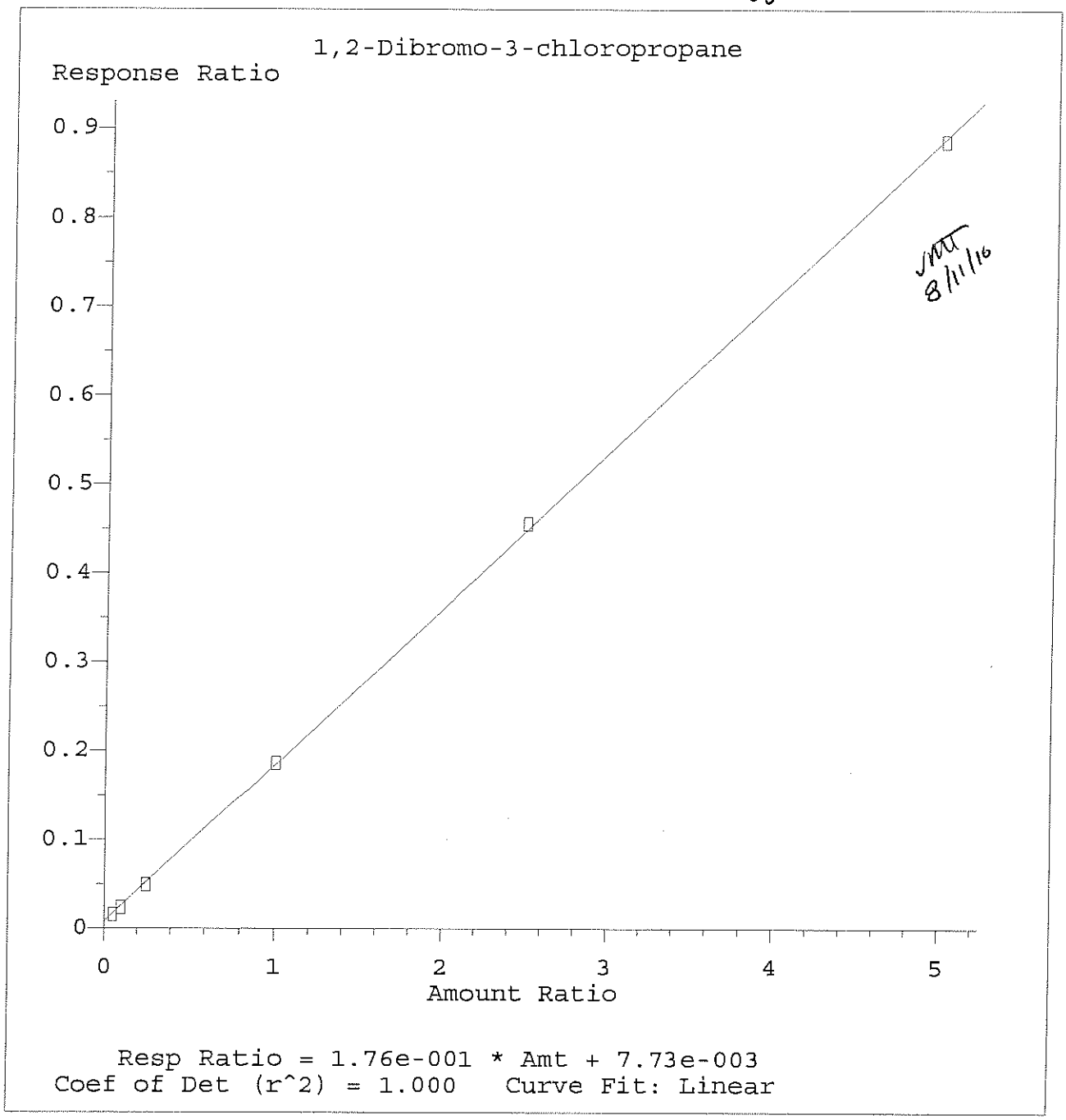
JR 08.11.10



VMT 8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:09:06 2010

OK
08-11-10



VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:10:49 2010

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

Vh 08-11-10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	80	120	15	0.0	18	89		17	87		2	
Chloromethane	20	80	120	15	0.0	19	95		20	99		5	
Vinyl Chloride	20	80	120	15	0.0	19	95		19	94		1	
Bromomethane	20	80	120	15	0.0	20	100		21	103		3	
Chloroethane	20	80	120	15	0.0	17	84		19	95		12	
t-Butyl alcohol (TBA)	100	80	120	15	0.0	99	99		85	85		16	*
Trichlorofluoromethane	20	80	120	15	0.0	17	87		17	86		1	
Diethyl ether	20	80	120	15	0.0	20	102		21	106		4	
1,1,2-Trichlorotrifluoroethane	20	80	120	15	0.0	16	80		17	84		5	
Acetone	100	80	120	15	0.0	113	113		103	103		9	
1,1-Dichloroethene	20	80	120	15	0.0	18	91		17	85		6	
Methyl iodide	20	80	120	15	0.0	19	96		20	102		6	
Di-isopropyl ether (DIPE)	20	80	120	15	0.0	19	94		19	97		3	
Methylene Chloride	20	80	120	15	0.0	23	117		20	102		13	
Carbon Disulfide	20	80	120	15	0.0	19	94		19	97		4	
Acrylonitrile	20	80	120	15	0.0	22	109		21	105		4	
Methyl-tert-butyl ether (MTBE)	40	80	120	15	0.0	47	119		47	117		2	
trans-1,2-Dichloroethene	20	80	120	15	0.0	18	91		18	92		2	
1,1-Dichloroethane	20	80	120	15	0.0	19	95		19	96		2	
Vinyl acetate	20	80	120	15	0.0	15	74	*	15	76	*	3	
Methyl ethyl ketone	100	80	120	15	0.0	109	109		100	100		9	
Ethyl t-butyl ether (ETBE)	20	80	120	15	0.0	20	98		20	98		0	
2,2-Dichloropropane	20	80	120	15	0.0	18	92		17	87		5	
cis-1,2-Dichloroethene	20	80	120	15	0.0	19	96		19	96		0	
t-Amyl methyl ether (TAME)	20	80	120	15	0.0	20	98		19	95		3	
Chloroform	20	80	120	15	0.0	18	92		19	93		1	
Bromochloromethane	20	80	120	15	0.0	21	103		20	99		4	
Tetrahydrofuran	20	80	120	15	0.0	23	113		21	105		7	
1,1,1-Trichloroethane	20	80	120	15	0.0	19	97		19	97		0	
1,1-Dichloropropene	20	80	120	15	0.0	18	91		19	93		2	
Carbon Tetrachloride	20	80	120	15	0.0	23	114		22	108		6	
1,2-Dichloroethane	20	80	120	15	0.0	20	98		20	100		1	
Benzene	20	80	120	15	0.0	18	89		19	93		4	
Trichloroethene	20	80	120	15	0.0	20	98		19	97		1	
1,2-Dichloropropane	20	80	120	15	0.0	19	97		20	99		2	
Methylmethacrylate	20	80	120	15	0.0	21	105		19	95		11	
Bromodichloromethane	20	80	120	15	0.0	21	104		20	98		6	
Dibromomethane	20	80	120	15	0.0	21	107		19	97		9	
1,4-Dioxane	500	80	120	15	0.0	527	105		458	92		14	
2-Hexanone	100	80	120	15	0.0	113	113		105	105		8	
Methyl isobutyl ketone	100	80	120	15	0.0	111	111		104	104		6	
cis-1,3-Dichloropropene	20	80	120	15	0.0	21	103		20	99		3	
Toluene	20	80	120	15	0.0	19	97		20	98		1	
trans-1,3-Dichloropropene	20	80	120	15	0.0	18	91		17	87		4	
1,1,2-Trichloroethane	20	80	120	15	0.0	21	105		20	101		4	
1,3-Dichloropropane	20	80	120	15	0.0	19	96		19	95		2	
Tetrachloroethene	20	80	120	15	0.0	22	110		22	111		1	
Dibromochloromethane	20	80	120	15	0.0	19	95		19	96		1	
1,2-Dibromoethane	20	80	120	15	0.0	20	98		19	95		3	

JOI2IW

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

OK
08-11-1

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Chlorobenzene	20	80	120	15	0.0	18	92		19	94		2	
1,1,1,2-Tetrachloroethane	20	80	120	15	0.0	19	95		19	96		1	
Ethylbenzene	20	80	120	15	0.0	19	93		19	95		2	
m,p-Xylene	40	80	120	15	0.0	37	92		38	95		3	
o-Xylene	20	80	120	15	0.0	19	93		19	95		2	
Styrene	20	80	120	15	0.0	19	95		19	96		1	
Bromoform	20	80	120	15	0.0	19	97		20	99		2	
Isopropylbenzene	20	80	120	15	0.0	16	82		17	83		2	
1,1,2,2-Tetrachloroethane	20	80	120	15	0.0	19	97		19	96		0	
1,2,3-Trichloropropane	20	80	120	15	0.0	21	105		21	103		2	
trans-1,4-Dichloro-2-butene	20	80	120	15	0.0	20	100		20	99		1	
n-Propylbenzene	20	80	120	15	0.0	18	92		19	93		1	
Bromobenzene	20	80	120	15	0.0	19	94		19	97		3	
1,3,5-Trimethylbenzene	20	80	120	15	0.0	19	95		20	98		3	
2-Chlorotoluene	20	80	120	15	0.0	20	98		20	99		1	
4-Chlorotoluene	20	80	120	15	0.0	19	95		19	97		2	
tert-butylbenzene	20	80	120	15	0.0	18	92		19	95		3	
1,2,4-Trimethylbenzene	20	80	120	15	0.0	18	90		19	93		3	
sec-butylbenzene	20	80	120	15	0.0	18	91		19	96		5	
p-isopropyltoluene	20	80	120	15	0.0	18	88		18	91		4	
1,3-Dichlorobenzene	20	80	120	15	0.0	19	93		19	95		2	
1,4-Dichlorobenzene	20	80	120	15	0.0	18	92		19	94		3	
n-butylbenzene	20	80	120	15	0.0	18	91		19	97		7	
1,2-Dichlorobenzene	20	80	120	15	0.0	19	93		20	98		5	
1,2-Dibromo-3-chloropropane	20	80	120	15	0.0	22	108		21	104		4	
1,2,4-Trichlorobenzene	20	80	120	15	0.0	18	91		19	95		4	
Hexachlorobutadiene	20	80	120	15	0.0	18	91		19	97		6	
Naphthalene	20	80	120	15	0.0	21	104		21	104		0	
1,2,3-Trichlorobenzene	20	80	120	15	0.0	20	98		20	102		3	
1,3,5-Trichlorobenzene	20	80	120	15	0.0	18	91		19	97		6	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

381210

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrato
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010 MT 9/14/10
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓105	0.01
2	TM	Dichlorodifluoromethane	0.757	0.748	1.2	108	0.00
3	TMP	Chloromethane	1.195	0.967 ✓	19.1	103	0.01
4	TMC	Vinyl Chloride	0.766	0.690	✓9.9	101	0.00
5	TM	Bromomethane	0.522	0.573	-9.8	104	0.02
6	TM	Chloroethane	0.579	0.533	7.9	101	0.01
7	TM	t-Butyl alcohol (TBA)	0.072	0.049#	31.9#	83	0.01
8	TM	Trichlorofluoromethane	1.175	1.088	7.4	98	0.01
9	TM	Diethyl ether	0.315	0.313	0.6	93	0.01
10	TM	1,1,2-Trichlorotrifluoroeth	0.650	0.644	0.9	106	0.01
11	T	Acrolein	0.047	0.048#	-2.1	120	0.02
12	TM	Acetone	0.315	0.228 Lin 88%	~~27.6#~~	89	0.01
13	TMC	1,1-Dichloroethene	0.604	0.590	✓2.3	105	0.02
14	TM	Methyl iodide	0.481	0.772 Lin 159%	~~60.5#~~	130	0.02
15	TM	Di-isopropyl ether (DIPE)	2.967	2.807	5.4	103	0.01
16	TM	Methylene Chloride	0.829	0.721	13.0	109	0.01
17	TM	Carbon Disulfide	2.044	2.065	-1.0	103	0.01
18	TM	Acrylonitrile	0.323	0.282	12.7	90	0.01
19	TM	Methyl-tert-butyl ether (MT	1.398	1.559	-11.5	108	0.03
20	TM	trans-1,2-Dichloroethene	1.029	0.973	5.4	101	0.01
21	TMP	1,1-Dichloroethane	1.344	1.180 ✓	12.2	101	0.01
22	TM	Vinyl acetate	1.252	1.557 124%	-24.4#	125	0.01
23	TM	Methyl ethyl ketone	0.072	0.064#	11.1	95	0.01
24	TM	Ethyl t-butyl ether (ETBE)	2.176	2.093	3.8	102	0.01
25	TM	2,2-Dichloropropane	0.775	0.793	-2.3	112	0.02
26	TM	cis-1,2-Dichloroethene	0.737	0.710	3.7	100	0.02
27	TM	t-Amyl methyl ether (TAME)	1.789	1.652	7.7	102	0.00
28	S	DB Holder #28	0.760	0.713	6.2	95	0.01
29	TMC	Chloroform	1.211	1.151	✓5.0	102	0.01
30	TM	Bromochloromethane	0.396	0.346	12.6	110	0.00
31	TM	Tetrahydrofuran	0.103	0.077# Lin 91%	~~25.2#~~	95	0.02
32	TM	1,1,1-Trichloroethane	0.945	0.939	0.6	102	0.01
33	T	Ethanol	0.013	0.008#	38.5#	70	0.00
34	TM	1,1-Dichloropropene	0.947	0.897	5.3	102	0.01
35	TM	Carbon Tetrachloride	0.563	0.560	0.5	98	0.02
36	S	d4-1,2-Dichloroethane	0.760	0.713	6.2	95	0.01
37	TM	1,2-Dichloroethane	0.906	0.860	5.1	98	0.00
38	TM	Benzene	2.460	2.275	7.5	101	0.01
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓103	0.01
40	TM	Trichloroethene	0.432	0.375	13.2	101	0.01

(#) = Out of Range 5/2010

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrato
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010 MT 9/14/10
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	TMC	1,2-Dichloropropane	0.349	0.346	✓0.9	104	0.01
42	TM	Methylmethacrylate	0.252	0.222	11.9	94	0.00
43	T	Methyl acetate	0.527	0.420	Li-90% ~~20.3#~~	89	0.01
44	T	Cyclohexane	0.572	0.624	-9.1	112	0.02
45	TM	Bromodichloromethane	0.407	0.407	0.0	101	0.01
46	TM	Dibromomethane	0.267	0.256	4.1	105	0.01
47	TM	1,4-Dioxane	0.004	0.003#	MT 25.0#	76	0.01
48	T	Methylcyclohexane	0.516	0.539	-4.5	108	0.01
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
50	T	2-Chloroethylvinyl ether	0.198	0.210	-6.1	116	0.00
51	TM	2-Hexanone	0.145	0.130	10.3	94	0.00
52	TM	Methyl isobutyl ketone	0.148	0.137	7.4	94	0.00
53	TM	cis-1,3-Dichloropropene	0.537	0.537	0.0	100	0.01
54	S	d8-Toluene	1.103	1.098	0.5	102	0.01
55	TMC	Toluene	0.773	0.775	✓-0.3	103	0.01
56	TM	trans-1,3-Dichloropropene	0.505	0.499	1.2	100	0.01
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
58	TM	1,1,2-Trichloroethane	0.250	0.250	0.0	99	0.01
59	TM	1,3-Dichloropropane	0.544	0.497	8.6	97	0.01
60	TM	Tetrachloroethene	0.369	0.331	10.3	97	0.00
61	TM	Dibromochloromethane	0.372	0.353	5.1	100	0.01
62	TM	1,2-Dibromoethane	0.385	0.355	7.8	97	0.01
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓104	0.00
64	TMP	Chlorobenzene	1.040	0.997✓	4.1	104	0.00
65	TM	1,1,1,2-Tetrachloroethane	0.360	0.343	4.7	101	0.01
66	TMC	Ethylbenzene	1.627	1.548	✓4.9	103	0.00
67	TM	m,p-Xylene	0.664	0.640	3.6	104	0.00
68	TM	o-Xylene	0.641	0.631	1.6	104	0.00
69	TM	Styrene	1.121	1.093	2.5	104	0.01
70	TMP	Bromoform	0.212	0.233✓	-9.9	99	0.01
71	TM	Isopropylbenzene	1.669	1.623	2.8	104	0.00
72	TMP	1,1,2,2-Tetrachloroethane	0.494	0.443✓	10.3	96	0.00
73	S	Bromofluorobenzene	0.471	0.461	2.1	101	0.00
74	TM	1,2,3-Trichloropropane	0.370	0.322	13.0	93	0.01
75	TM	trans-1,4-Dichloro-2-butene	0.128	0.131	-2.3	102	0.01
76	TM	n-Propylbenzene	1.963	1.861	5.2	102	0.01
77	TM	Bromobenzene	0.375	0.367	2.1	103	0.01
78	TM	1,3,5-Trimethylbenzene	1.306	1.295	0.8	103	0.00
79	TM	2-Chlorotoluene	1.193	1.166	2.3	101	0.00
80	TM	4-Chlorotoluene	1.128	1.122	0.5	105	0.00

(#) = Out of Range 5-9-2010

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrato
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Multiple Level Calibration

MT 9/14/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	TM	tert-butylbenzene	1.158	1.117	3.5	102	0.01
82	TM	1,2,4-Trimethylbenzene	1.399	1.350	3.5	102	0.01
83	T	Diisobutylketone	0.990	0.944	4.6	102	0.00
84	TM	sec-butylbenzene	1.848	1.795	2.9	104	0.01
85	TM	p-isopropyltoluene	1.479	1.433	3.1	104	0.00
86	TM	1,3-Dichlorobenzene	0.683	0.670	1.9	106	0.00
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓106	0.00
88	TM	1,4-Dichlorobenzene	1.607	1.523	5.2	102	0.00
89	TM	n-butylbenzene	3.130	3.001	4.1	103	0.01
90	TM	1,2-Dichlorobenzene	1.444	1.401	3.0	103	0.00
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
92	TM	1,2-Dibromo-3-chloropropane	0.214	0.164 Lin 89%	~~23.4#~~	93	0.00
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
94	TM	1,2,4-Trichlorobenzene	1.102	1.111	-0.8	104	0.00
95	TM	Hexachlorobutadiene	0.547	0.550	-0.5	107	0.00
96	TM	Naphthalene	2.674	2.654	0.7	100	0.00
97	TM	1,2,3-Trichlorobenzene	0.977	0.994	-1.7	105	0.00
98	TM	1,3,5-Trichlorobenzene	1.168	1.191	-2.0	107	0.00

9-2010

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF
0=LINEAR
3=QUADRATIC

Data File Name: C76180SC.D
Date Acquired: 9/13/10 10:54
Sample Name: 20 PPB

MT 9/14/10

METHOD: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	19.75	20	1.3%	NA	OK
0	Chloromethane	19.04	20	4.8%		OK
1	Vinyl Chloride	18.01	20	9.9%	NA	OK
0	Bromomethane	18.68	20	6.6%		OK
1	Chloroethane	18.38	20	8.1%	NA	OK
1	t-Butyl alcohol (TBA)	67.67	100	32.3%	NA	* MT
1	Trichlorofluoromethane	18.51	20	7.5%	NA	OK
1	Diethyl ether	19.88	20	0.6%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	19.81	20	0.9%	NA	OK
0	Acrolein	112.77	100	12.8%		OK
0	Acetone	87.59	100	12.4%		OK
1	1,1-Dichloroethene	19.52	20	2.4%	NA	OK
0	Methyl iodide	27.89	20	39.5%		*
1	Di-isopropyl ether (DIPE)	18.92	20	5.4%	NA	OK
0	Methylene Chloride	20.83	20	4.1%		OK
1	Carbon Disulfide	20.21	20	1.0%	NA	OK
1	Acrylonitrile	17.49	20	12.6%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	22.30	20	11.5%	NA	OK
1	trans-1,2-Dichloroethene	18.91	20	5.5%	NA	OK
0	1,1-Dichloroethane	19.70	20	1.5%		OK
1	Vinyl acetate	24.87	20	24.4%	NA	*
1	Methyl ethyl ketone	89.52	100	10.5%	NA	OK
1	Ethyl t-butyl ether (ETBE)	19.23	20	3.8%	NA	OK
1	2,2-Dichloropropane	20.46	20	2.3%	NA	OK
1	cis-1,2-Dichloroethene	19.27	20	3.7%	NA	OK
1	t-Amyl methyl ether (TAME)	18.47	20	7.6%	NA	OK
1	Chloroform	19.01	20	5.0%	NA	OK
0	Bromochloromethane	21.80	20	9.0%		OK
0	Tetrahydrofuran	18.17	20	9.1%		OK
1	1,1,1-Trichloroethane	19.88	20	0.6%	NA	OK
1	Ethanol	659.85	1000	34.0%	NA	* MT
1	1,1-Dichloropropene	18.95	20	5.2%	NA	OK
1	Carbon Tetrachloride	19.87	20	0.7%	NA	OK
1	d4-1,2-Dichloroethane	18.76	20	6.2%	NA	OK
1	1,2-Dichloroethane	18.97	20	5.2%	NA	OK
1	Benzene	18.50	20	7.5%	NA	OK
0	Trichloroethene	21.29	20	6.4%		OK
1	1,2-Dichloropropane	19.81	20	1.0%	NA	OK
1	Methylmethacrylate	17.56	20	12.2%	NA	OK
0	Methyl acetate	18.08	20	9.6%		OK

b 7-2010

MT 9/14/10

1	Cyclohexane	21.83	20	9.2%	NA	OK
1	Bromodichloromethane	20.03	20	0.2%	NA	OK
0	Dibromomethane	22.78	20	13.9%		OK
1	1,4-Dioxane	371.81	500	25.6%	NA	* MT
1	Methylcyclohexane	20.89	20	4.4%	NA	OK
1	2-Chloroethylvinyl ether	21.22	20	6.1%	NA	OK
1	2-Hexanone	89.74	100	10.3%	NA	OK
1	Methyl isobutyl ketone	92.29	100	7.7%	NA	OK
1	cis-1,3-Dichloropropene	19.98	20	0.1%	NA	OK
1	d8-Toluene	19.92	20	0.4%	NA	OK
1	Toluene	20.06	20	0.3%	NA	OK
1	trans-1,3-Dichloropropene	19.75	20	1.3%	NA	OK
1	1,1,2-Trichloroethane	20.00	20	0.0%	NA	OK
1	1,3-Dichloropropane	18.28	20	8.6%	NA	OK
1	Tetrachloroethene	17.92	20	10.4%	NA	OK
1	Dibromochloromethane	19.00	20	5.0%	NA	OK
1	1,2-Dibromoethane	18.45	20	7.8%	NA	OK
1	Chlorobenzene	19.17	20	4.2%	NA	OK
1	1,1,1,2-Tetrachloroethane	19.09	20	4.6%	NA	OK
1	Ethylbenzene	19.03	20	4.8%	NA	OK
1	m,p-Xylene	38.59	40	3.5%	NA	OK
1	o-Xylene	19.71	20	1.4%	NA	OK
1	Styrene	19.51	20	2.5%	NA	OK
0	Bromoform	18.82	20	5.9%		OK
1	Isopropylbenzene	19.45	20	2.7%	NA	OK
1	1,1,2,2-Tetrachloroethane	17.95	20	10.3%	NA	OK
1	Bromofluorobenzene	19.60	20	2.0%	NA	OK
0	1,2,3-Trichloropropane	18.95	20	5.2%		OK
1	trans-1,4-Dichloro-2-butene	20.54	20	2.7%	NA	OK
1	n-Propylbenzene	18.95	20	5.2%	NA	OK
1	Bromobenzene	19.57	20	2.2%	NA	OK
1	1,3,5-Trimethylbenzene	19.84	20	0.8%	NA	OK
1	2-Chlorotoluene	19.54	20	2.3%	NA	OK
1	4-Chlorotoluene	19.90	20	0.5%	NA	OK
1	tert-butylbenzene	19.29	20	3.6%	NA	OK
1	1,2,4-Trimethylbenzene	19.30	20	3.5%	NA	OK
1	Diisobutylketone	95.36	100	4.6%	NA	OK
1	sec-butylbenzene	19.42	20	2.9%	NA	OK
1	p-isopropyltoluene	19.37	20	3.1%	NA	OK
1	1,3-Dichlorobenzene	19.61	20	2.0%	NA	OK
1	1,4-Dichlorobenzene	18.95	20	5.2%	NA	OK
1	n-butylbenzene	19.17	20	4.1%	NA	OK
1	1,2-Dichlorobenzene	19.42	20	2.9%	NA	OK
0	1,2-Dibromo-3-chloropropane	17.72	20	11.4%		OK
1	1,2,4-Trichlorobenzene	20.16	20	0.8%	NA	OK
1	Hexachlorobutadiene	20.12	20	0.6%	NA	OK
1	Naphthalene	19.85	20	0.8%	NA	OK
1	1,2,3-Trichlorobenzene	20.35	20	1.7%	NA	OK
1	1,3,5-Trichlorobenzene	20.39	20	1.9%	NA	OK

9-2010

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
TED PURGE (Y/N): N

SDG:

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
Upper Limit	393962		7.15		774998		8.65		686338		13.18		299682		16.90	
Lower limit	98491		7.03		193750		8.53		171585		13.06		74921		16.78	
SAMPLE ID																
0.2 PPB	195858		7.10		379188		8.59		335209		13.11		150145		16.83	
0.5 PPB	197160		7.10		377545		8.59		336495		13.11		150633		16.83	
1.0 PPB	198221		7.10		390972		8.59		340345		13.12		151939		16.84	
2.0 PPB	201313		7.10		385421		8.59		340024		13.12		151871		16.84	
5.0 PPB	191436		7.10		377072		8.59		326733		13.11		146462		16.83	
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
50.0 PPB	187674		7.10		375824		8.59		333454		13.12		146646		16.83	
100.0 PPB	212825		7.10		426996		8.59		369802		13.12		156214		16.84	
20 PPB ICV	136751		7.09		264160		8.59		237302		13.12		105646		16.84	
20 PPB ICV2	197193		7.10		389939		8.59		341660		13.12		149620		16.84	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
TED PURGE (Y/N): N

SDG: 67722

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	207593		7.09		400722		8.58		358051		13.10		159032		16.82	
Upper Limit	415186		7.15		801444		8.64		716102		13.16		318064		16.88	
Lower limit	103797		7.03		200361		8.52		179026		13.04		79516		16.76	
SAMPLE ID																
LS09130C	216243		7.08		423790		8.57		367658		13.11		161114		16.82	
LS09130C2	211513		7.08		425087		8.58		378482		13.10		171418		16.82	
MB09130C	214534		7.09		431747		8.58		378639		13.11		163899		16.83	
67722-5	225369		7.08		450317		8.57		385730		13.11		163350		16.83	
67722-1	214598		7.09		424043		8.58		368429		13.11		151004		16.83	
67722-2	159727		7.09		312559		8.58		278607		13.11		117882		16.83	
67722-3	226869		7.09		458435		8.58		387194		13.11		157693		16.83	
67722-4	232908		7.09		459284		8.58		397574		13.11		155998		16.83	
67722-2,MS	209292		7.09		415238		8.59		363446		13.11		157698		16.83	
67722-2,MSD	208183		7.09		419998		8.58		370150		13.11		163548		16.83	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV091010K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/10/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				77
Surrogate % Recovery (2,5-Dibromotoluene) FID				74
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV091310K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/13/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				76
Surrogate % Recovery (2,5-Dibromotoluene) FID				78
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: MPuhrell

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM1-01

SAMPLE DATA

Lab Sample ID:	67722-1
Matrix:	Solid
Percent Solid:	90
Dilution Factor:	734
Collection Date:	09/08/10
Lab Receipt Date:	09/09/10
Analysis Date:	09/13/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	36700	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	36700	µg/kg	**386000**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	36700	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	36700	µg/kg	**234000**
C9-C10 Aromatic Hydrocarbons[1]	N/A	7340	µg/kg	**152000**
Surrogate % Recovery (2,5-Dibromotoluene) PID				126
Surrogate % Recovery (2,5-Dibromotoluene) FID				112
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. Of C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a moisture corrected and dry weight basis. Quantitation limits are increased due to high concentrations of hydrocarbons in the sample.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM2-01

SAMPLE DATA

Lab Sample ID:	67722-2
Matrix:	Solid
Percent Solid:	92
Dilution Factor:	527
Collection Date:	09/09/10
Lab Receipt Date:	09/09/10
Analysis Date:	09/10/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	26400	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	26400	µg/kg	**553000 E**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	26400	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	26400	µg/kg	**347000 E**
C9-C10 Aromatic Hydrocarbons[1]	N/A	5270	µg/kg	**206000**
Surrogate % Recovery (2,5-Dibromotoluene) PID				97
Surrogate % Recovery (2,5-Dibromotoluene) FID				103
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. Of C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a moisture corrected and dry weight basis.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM2-01

SAMPLE DATA

Lab Sample ID: 67722-2 DL
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1055
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/10/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	52700	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	52700	µg/kg	**576000**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	52700	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	52700	µg/kg	**355000**
C9-C10 Aromatic Hydrocarbons[1]	N/A	10500	µg/kg	**221000**
Surrogate % Recovery (2,5-Dibromotoluene) PID				*
Surrogate % Recovery (2,5-Dibromotoluene) FID				*
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a moisture corrected and dry weight basis.
* The surrogates were diluted out.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM3-01

SAMPLE DATA

Lab Sample ID: 67722-3
Matrix: Solid
Percent Solid: 91
Dilution Factor: 593
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/10/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	29600	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	29600	µg/kg	**1110000 E**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	29600	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	29600	µg/kg	**654000 E**
C9-C10 Aromatic Hydrocarbons[1]	N/A	5930	µg/kg	**455000 E**
Surrogate % Recovery (2,5-Dibromotoluene) PID				142*
Surrogate % Recovery (2,5-Dibromotoluene) FID				373 *
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a moisture corrected and dry weight basis.
* Surrogate recovery outside laboratory acceptance criteria due to matrix affect.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM3-01

SAMPLE DATA

Lab Sample ID:	67722-3 DL
Matrix:	Solid
Percent Solid:	91
Dilution Factor:	2964
Collection Date:	09/09/10
Lab Receipt Date:	09/09/10
Analysis Date:	09/13/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	148000	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	148000	µg/kg	**1240000**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	148000	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	148000	µg/kg	**706000**
C9-C10 Aromatic Hydrocarbons[1]	N/A	29600	µg/kg	**540000**
Surrogate % Recovery (2,5-Dibromotoluene) PID				*
Surrogate % Recovery (2,5-Dibromotoluene) FID				*
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
*Results are expressed on a moisture corrected and dry weight basis.
* The surrogates were diluted out.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM3-11

SAMPLE DATA

Lab Sample ID: 67722-4
Matrix: Solid
Percent Solid: 92
Dilution Factor: 613
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/10/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	30700	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	30700	µg/kg	**1210000 E**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	30700	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	30700	µg/kg	**752000 E**
C9-C10 Aromatic Hydrocarbons[1]	N/A	6130	µg/kg	**461000 E**
Surrogate % Recovery (2,5-Dibromotoluene) PID				122
Surrogate % Recovery (2,5-Dibromotoluene) FID				281 *
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a moisture corrected and dry weight basis.
* Surrogate recovery outside laboratory acceptance criteria due to matrix affect.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM3-11

SAMPLE DATA

Lab Sample ID: 67722-4 DL
Matrix: Solid
Percent Solid: 92
Dilution Factor: 3066
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/10/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	153000	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	153000	µg/kg	**1300000**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	153000	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	153000	µg/kg	**826000**
C9-C10 Aromatic Hydrocarbons[1]	N/A	30700	µg/kg	**474000**
Surrogate % Recovery (2,5-Dibromotoluene) PID				*
Surrogate % Recovery (2,5-Dibromotoluene) FID				*
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a moisture corrected and dry weight basis.* The surrogates were diluted out.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: Trip Blank

SAMPLE DATA

Lab Sample ID: 67722-5
Matrix: Solid
Percent Solid: 100
Dilution Factor: 50
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/13/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				78
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67722

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV091010K	84		90	
LSV091010K2	79		86	
MBV091010K	74		77	
67722-2,10X	103		97	
67722-3,10X	373	*	142	*
67722-4,10X	281	*	122	
67722-2,20X,DL	D		D	
67722-3,20X,DL	D		D	
67722-4,50X,DL	D		D	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67722

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV091310K	87		84	
LSV091310K2	69	*	77	
MBV091310K	78		76	
67722-5	78		88	
67722-1,10X	112		126	
67722-3,50X,DL	D		D	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67722
Non-spiked sample: MBV091010K
Spike: LSV091010K
Spike duplicate: LSV091010K2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4940	99		4823	96		2	
2-Methylpentane	5000	5000	70	130	25	0	4824	96		4717	94		2	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	4766	95		4828	97		1	
n-Decane	5000	5000	70	130	25	0	5110	102		4895	98		4	
n-Butylcyclohexane	5000	5000	70	130	25	0	4937	99		4700	94		5	
Methyl-t-butylether #2	5000	5000	70	130	25	0	4287	86		4124	82		4	
Benzene #2	5000	5000	70	130	25	0	4611	92		4432	89		4	
Toluene #2	5000	5000	70	130	25	0	4595	92		4427	89		4	
Ethylbenzene #2	5000	5000	70	130	25	0	4454	89		4297	86		4	
m,p-Xylene #2	10000	10000	70	130	25	0	9190	92		8844	88		4	
o-Xylene #2	5000	5000	70	130	25	0	4408	88		4215	84		4	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4484	90		4265	85		5	
Naphthalene #2	5000	5000	70	130	25	0	4223	84		4025	81		5	
C5-C8 Aliphatics	15000	15000	70	130	25	0	14530	97		14368	96		1	
C9-C12 Aliphatics	10000	10000	70	130	25	0	10047	100		9596	96		5	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4484	90		4265	85		5	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67722
Non-spiked sample: MBV091310K
Spike: LSV091310K
Spike duplicate: LSV091310K2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4567	91		4305	86		6	
2-Methylpentane	5000	5000	70	130	25	0	4473	89		4216	84		6	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	5048	101		4711	94		7	
n-Decane	5000	5000	70	130	25	0	4867	97		4399	88		10	
n-Butylcyclohexane	5000	5000	70	130	25	0	4701	94		4220	84		11	
Methyl-t-butylether #2	5000	5000	70	130	25	0	4049	81		3776	76		7	
Benzene #2	5000	5000	70	130	25	0	4433	89		4149	83		7	
Toluene #2	5000	5000	70	130	25	0	4419	88		4149	83		6	
Ethylbenzene #2	5000	5000	70	130	25	0	4285	86		4040	81		6	
m,p-Xylene #2	10000	10000	70	130	25	0	8861	89		8346	83		6	
o-Xylene #2	5000	5000	70	130	25	0	4230	85		3963	79		7	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4290	86		4000	80		7	
Naphthalene #2	5000	5000	70	130	25	0	3805	76		3357	67	*	12	
C5-C8 Aliphatics	15000	15000	70	130	25	0	14089	94		13233	88		6	
C9-C12 Aliphatics	10000	10000	70	130	25	0	9568	96		8619	86		10	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4290	86		4000	80		7	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: 90

Unload: 90

072210-K

VPH Surrogate: -

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	~~07~~ VPH072210.M	BLK	5ml	–	–		K27978	JJL	n/a
2		VPH 100		200ml	V8896	✓, changed trap + baked	79SC		
3		BLK		–	–		80		
4		VPH 100		200ml	V8896	✓	81SC		
5		LSV072210K	100ml/5ml	5ml	V8899	↑ Pentane, changed sparge tube	82Q		
6		BLK	5ml	–	–		83		
7		LSV072210K,RR	100ml/5ml	5ml	V8899	↑ Pentane, Recal	84Q		
8		BLK	5ml	–	–	co concern	85		
9		VPH 1		2ml	V8910	✓	86SI		
10		VPH 2		4ml		✓	87SI		
11		VPH 5		10ml		✓	88SI		
12		VPH 20		40ml		✓	89SI		
13		VPH 50		100ml		✓	90SI		
14		VPH 100		200ml		✓	91SI		
15		VPH 200		400ml		✓	92SI		
16		BLK		–	–	co concern	93		
17		VPH 500		1ml	V8910	✓	94SI		
18		BLK		–	–	co concern	95		
19		LV072210K, ICV		100ml	V8998	✓	96Q		
20		VPH 100		200ml	V8910	✓ Test theory on instr.	97		

98 7/23/10

Analytics environmental laboratory LLC

SC Volatiles Instrument: K

Load: gg

Unload: gg

091010-K

VPH Surrogate: (1) V8999 x. 3/1/11

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	VPH072210.m	BLK	5mL	-	-		K28841	JJL	n/A
2		VPH100		200ul	V9000	✓	42SC		
3		LSV091010K	100ul/5mL	5ul	V8997	✓	43Q		
4		LSV091010K2				✓	44Q		
5		BLK	5mL	-	-		45		
6		MBV091010K	100ul/5mL	10ul	V8999	✓	46B		
7		67722-1, 10X	10ul/5mL		(1)	✓ RR 10X, surr fails 8.22	47		
8		-2, 10X				RR 20X 11.21	48		
9		-3, 10X				RR 20X 10.12	49		
10		-4, 10X				RR ~~20X~~ 50X 9.59	50		
11		67722-2, 20X	5ul/5mL			✓ 11.21	51		
12		-3, 20X				RR 50X 10.12	52		
13		-4, 50X	2ul/5mL			✓ 9.59	53		
14		VPH100	5mL	200ul	V9000	✓	54SC		
15		VPH100				✓	55SC		

gg 9/13/10

Response Factor Report HP G1530A

Method Path : C:\msdchem\1\METHODS\
Method File : VPH072210.M
Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
Last Update : Fri Jul 23 15:04:23 2010
Response Via : Initial Calibration

Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

7/26/10

		Compound	2	5	20	50	0.5	100	Avg		%RSD
1)	ZM	Pentane	6.623	6.311	7.147	7.202		7.570	6.997	E3	6.67
2)	ZM	2-Methylpentane	8.536	7.466	8.207	8.247		8.690	8.185	E3	5.68
3)	T	Methyl-t-buty...							0.000		-1.00
4)	ZM	2,2,4-Trimeth...	8.216	7.647	8.896	8.375		7.993	7.717	E3	12.43
5)	T	Benzene							0.000		-1.00
6)	T	Toluene							0.000		-1.00
7)	XH	C5-C8 ALIPHATICS	7.792	7.141	8.083	7.941		8.084	7.325	E3	12.19
8)		n-Nonane							0.000		-1.00
9)	T	Ethylbenzene							0.000		-1.00
10)	T	m,p-Xylene							0.000		-1.00
11)	T	o-Xylene							0.000		-1.00
12)	ZM	n-Decane	6.039	4.950	5.191	5.579		7.997	6.897	E3	23.76
13)	ZM	n-Butylcycloh...	6.357	6.435	6.593	6.777		8.029	7.361	E3	16.80
14)	XH	C9-C12 ALIPHA...	6.198	5.693	5.892	6.178		8.013	7.129	E3	19.33
15)	Z	1,2,4-Trimeth...							0.000		-1.00
16)	XH	C9-C10 AROMATICS							0.000		-1.00
17)	T	Naphthalene							0.000		-1.00
18)	S	2,5-Dibromoto...	3.791	2.742	2.584	2.712		2.859	2.941	E3	13.62

Signal #2 Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

7/26/10

		Compound	2	5	20	50	0.5	100	Avg		%RSD
1)	Z	Pentane							0.000		-1.00
2)	Z	2-Methylpentane							0.000		-1.00
3)	TM	Methyl-t-buty...	5.373	4.158	4.484	4.526		4.479	4.664	E3	12.22
4)	Z	2,2,4-Trimeth...							0.000		-1.00
5)	TM	Benzene	1.280	1.265	1.309	1.312		1.321	1.301	E4	1.56
6)	TM	Toluene	1.248	1.135	1.190	1.197		1.223	1.193	E4	3.83
7)	XH	C5-C8 ALIPHATICS							0.000		-1.00
8)		n-Nonane							0.000		-1.00
9)	TM	Ethylbenzene	1.177	0.993	1.048	1.061		1.087	1.093	E4	6.11
10)	TM	m,p-Xylene	1.224	1.143	1.234	1.248		1.283	1.255	E4	5.18
11)	TM	o-Xylene	1.143	0.990	1.048	1.062		1.083	1.119	E4	12.52
12)	Z	n-Decane							0.000		-1.00
13)	Z	n-Butylcycloh...							0.000		-1.00
14)	XH	C9-C12 ALIPHA...							0.000		-1.00
15)	ZM	1,2,4-Trimeth...	1.101	0.986	1.065	1.097		1.136	1.180	E4	20.03
16)	XH	C9-C10 AROMATICS	1.101	0.986	1.065	1.097		1.136	1.180	E4	20.03
17)	TM	Naphthalene	1.007	0.881	0.939	0.971		0.997	1.019	E4	14.63
18)	S	2,5-Dibromoto...	8.562	6.808	7.149	7.585		8.153	7.893	E3	9.31

(#) = Out of Range ### Number of calibration levels exceeded format ###

VOLATILE PETROLEUM HYDROCARBONS AQUEOUS
LABORATORY CONTROL SAMPLE

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: LV072210K,ICV
Spike: LV072210K,ICV

88 7/26/10
VMT 7/26/10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
Pentane	100	70	130	0.0	119	119	
2-Methylpentane	100	70	130	0.0	111	111	
2,2,4-Trimethylpentane	100	70	130	0.0	96	96	
n-Decane	100	70	130	0.0	111	111	
n-Butylcyclohexane	100	70	130	0.0	102	102	
Methyl-t-butylether #2	100	70	130	0.0	95	95	
Benzene #2	100	70	130	0.0	103	103	
Toluene #2	100	70	130	0.0	103	103	
Ethylbenzene #2	100	70	130	0.0	99	99	
m,p-Xylene #2	200	70	130	0.0	204	102	
o-Xylene #2	100	70	130	0.0	97	97	
1,2,4-Trimethylbenzene #2	100	70	130	0.0	97	97	
Naphthalene #2	100	70	130	0.0	100	100	
C5-C8 Aliphatics	300	70	130	0.0	326	109	
C9-C12 Aliphatics	200	70	130	0.0	213	107	
C9-C10 Aromatics #2	100	70	130	0.0	97	97	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VPH FORM 3

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67722
Standard ID: VPH 100 UG/L
Data File ID: K28842SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	95	4.8	
2-Methylpentane	98	2.1	
2,2,4-Trimethylpentane	112	11.8	
n-Decane	110	9.7	
n-Butylcyclohexane	103	2.7	
2,5-Dibromotoluene	84	16.2	
Methyl-t-butylether #2	94	6.4	
Benzene #2	99	0.9	
Toluene #2	100	0.2	
Ethylbenzene #2	97	2.7	
m,p-Xylene #2	200	0.1	
o-Xylene #2	95	5.0	
1,2,4-Trimethylbenzene #2	94	6.2	
Naphthalene #2	90	9.8	
2,5-Dibromotoluene #2	90	10.3	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67722
Standard ID: VPH 100 UG/L
Data File ID: K28854SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	93	6.6	
2-Methylpentane	95	4.5	
2,2,4-Trimethylpentane	107	6.9	
n-Decane	109	9.0	
n-Butylcyclohexane	106	5.7	
2,5-Dibromotoluene	106	5.7	
Methyl-t-butylether #2	92	8.4	
Benzene #2	97	3.1	
Toluene #2	97	2.5	
Ethylbenzene #2	96	4.2	
m,p-Xylene #2	196	1.9	
o-Xylene #2	93	6.8	
1,2,4-Trimethylbenzene #2	93	6.7	
Naphthalene #2	92	8.0	
2,5-Dibromotoluene #2	99	1.1	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67722
Standard ID: VPH 100 UG/L
Data File ID: K28855SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	92	8.3	
2-Methylpentane	94	6.2	
2,2,4-Trimethylpentane	109	8.9	
n-Decane	104	4.4	
n-Butylcyclohexane	101	1.3	
2,5-Dibromotoluene	91	8.8	
Methyl-t-butylether #2	91	8.7	
Benzene #2	96	3.7	
Toluene #2	97	2.8	
Ethylbenzene #2	95	4.5	
m,p-Xylene #2	196	1.8	
o-Xylene #2	93	7.2	
1,2,4-Trimethylbenzene #2	93	7.1	
Naphthalene #2	92	8.3	
2,5-Dibromotoluene #2	96	3.8	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67722
Standard ID: VPH 100 UG/L
Data File ID: K28857SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	99	1.0	
2-Methylpentane	100	0.4	
2,2,4-Trimethylpentane	118	18.3	
n-Decane	109	8.9	
n-Butylcyclohexane	103	2.9	
2,5-Dibromotoluene	81	19.0	
Methyl-t-butylether #2	95	4.8	
Benzene #2	103	3.1	
Toluene #2	103	3.5	
Ethylbenzene #2	100	0.4	
m,p-Xylene #2	207	3.6	
o-Xylene #2	98	2.3	
1,2,4-Trimethylbenzene #2	96	3.9	
Naphthalene #2	87	12.9	
2,5-Dibromotoluene #2	91	9.2	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67722
Standard ID: VPH 100 UG/L
Data File ID: K28867SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	100	0.1	
2-Methylpentane	101	0.8	
2,2,4-Trimethylpentane	112	12.2	
n-Decane	111	11.1	
n-Butylcyclohexane	107	6.7	
2,5-Dibromotoluene	91	8.8	
Methyl-t-butylether #2	92	8.2	
Benzene #2	100	0.5	
Toluene #2	101	0.9	
Ethylbenzene #2	98	1.8	
m,p-Xylene #2	202	1.0	
o-Xylene #2	96	4.1	
1,2,4-Trimethylbenzene #2	94	5.7	
Naphthalene #2	90	10.1	
2,5-Dibromotoluene #2	97	2.7	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67722

STANDARD	FILE NAME	ANALYSIS DATE & TIME		FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K28842SC.D	9/10/2010	10:11	11.356		11.356	
Upper Limit				11.386		11.386	
Lower limit				11.326		11.326	
SAMPLE ID							
LSV091010K	K28843Q.D	9/10/2010	11:03	11.356		11.356	
LSV091010K2	K28844Q.D	9/10/2010	11:27	11.356		11.355	
MBV091010K	K28846B.D	9/10/2010	12:25	11.355		11.354	
67722-1,10X	K28847.D	9/10/2010	13:45	11.355		11.355	
67722-2,10X	K28848.D	9/10/2010	14:10	11.353		11.353	
67722-3,10X	K28849.D	9/10/2010	14:34	11.349		11.352	
67722-4,10X	K28850.D	9/10/2010	14:59	11.350		11.352	
67722-2,20X	K28851.D	9/10/2010	16:12	11.352		11.352	
67722-3,20X	K28852.D	9/10/2010	16:36	11.347		11.351	
67722-4,50X	K28853.D	9/10/2010	17:01	11.349		11.351	
VPH 100 UG/L	K28854SC.D	9/10/2010	17:26	11.356		11.355	
VPH 100 UG/L	K28855SC.D	9/10/2010	17:50	11.355		11.355	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67722

STANDARD	FILE NAME	ANALYSIS DATE & TIME		FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K28857SC.D	9/13/2010	9:07	11.353		11.352	
Upper Limit				11.383		11.382	
Lower limit				11.323		11.322	
SAMPLE ID							
LSV091310K	K28858Q.D	9/13/2010	9:47	11.354		11.354	
LSV091310K2	K28859Q.D	9/13/2010	10:11	11.354		11.353	
MBV091310K	K28861B.D	9/13/2010	11:08	11.354		11.353	
67722-5	K28862.D	9/13/2010	11:50	11.354		11.353	
67722-1,10X	K28863.D	9/13/2010	12:14	11.352		11.351	
67722-3,50X	K28865.D	9/13/2010	13:06	11.347		11.350	
VPH 100 UG/L	K28867SC.D	9/13/2010	13:55	11.354		11.354	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 30, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B090910EASE
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/09/10
Analysis Date: 09/11/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				69
Aromatic Surrogate % Recovery (O-Terphenyl)				83
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				76
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				67
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 30, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B090910EASE RR
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/09/10
Analysis Date: 09/11/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				91
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				83
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				74
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 13, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:
Client Sample ID: IV-B82-GTM1-01

SAMPLE DATA

Lab Sample ID: 67722-1
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1.1
Collection Date: 09/08/10
Lab Receipt Date: 09/09/10
Extraction Date: 09/09/10
Analysis Date: 09/11/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29100	µg/kg	**153000**
Diesel PAH Analytes	Naphthalene	291	µg/kg	**358**
	2-Methylnaphthalene	291	µg/kg	**747**
	Phenanthrene	291	µg/kg	**918**
	Acenaphthene	291	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	291	µg/kg	U
	Fluorene	291	µg/kg	**167 J**
	Anthracene	291	µg/kg	U
	Fluoranthene	291	µg/kg	**845**
	Pyrene	291	µg/kg	**637**
	Benzo[a]anthracene	291	µg/kg	**168 J**
	Chrysene	291	µg/kg	**340**
	Benzo[b]fluoranthene	291	µg/kg	**487**
	Benzo[k]fluoranthene	291	µg/kg	U
	Benzo[a]pyrene	291	µg/kg	**297**
	Indeno[1,2,3-cd]pyrene	291	µg/kg	**360**
	Dibenzo[a,h]anthracene	291	µg/kg	U
	Benzo[g,h,i]perylene	291	µg/kg	**231 J**
C9-C18 Aliphatic Hydrocarbons[1]		583000	µg/kg	**1050000**
C19-C36 Aliphatic Hydrocarbons[1]		583000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29100	µg/kg	**148000**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				*
Aromatic Surrogate % Recovery (O-Terphenyl)				75
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				66
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				86
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.
* The surrogate was diluted out.

SIGNATURE: MJ Bell

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM2-01

SAMPLE DATA

Lab Sample ID: 67722-2
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.06
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Extraction Date: 09/09/10
Analysis Date: 09/11/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28300	µg/kg	**44300**
Diesel PAH Analytes	Naphthalene	283	µg/kg	**151 J**
	2-Methylnaphthalene	283	µg/kg	**293**
	Phenanthrene	283	µg/kg	U
	Acenaphthene	283	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	283	µg/kg	U
	Fluorene	283	µg/kg	U
	Anthracene	283	µg/kg	U
	Fluoranthene	283	µg/kg	U
	Pyrene	283	µg/kg	U
	Benzo[a]anthracene	283	µg/kg	U
	Chrysene	283	µg/kg	U
	Benzo[b]fluoranthene	283	µg/kg	U
	Benzo[k]fluoranthene	283	µg/kg	U
	Benzo[a]pyrene	283	µg/kg	U
	Indeno[1,2,3-cd]pyrene	283	µg/kg	U
	Dibenzo[a,h]anthracene	283	µg/kg	U
	Benzo[g,h,i]perylene	283	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		141000	µg/kg	**235000**
C19-C36 Aliphatic Hydrocarbons[1]		141000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		28300	µg/kg	**43900**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				59
Aromatic Surrogate % Recovery (O-Terphenyl)				79
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				73
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				73
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 13, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM3-01

SAMPLE DATA

Lab Sample ID: 67722-3
Matrix: Solid
Percent Solid: 91
Dilution Factor: 4.2
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Extraction Date: 09/09/10
Analysis Date: 09/11/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		113000	µg/kg	**308000**
Diesel PAH Analytes	Naphthalene	1132	µg/kg	U
	2-Methylnaphthalene	1132	µg/kg	U
	Phenanthrene	1132	µg/kg	U
	Acenaphthene	1132	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	1132	µg/kg	U
	Fluorene	1132	µg/kg	U
	Anthracene	1132	µg/kg	U
	Fluoranthene	1132	µg/kg	U
	Pyrene	1132	µg/kg	U
	Benzo[a]anthracene	1132	µg/kg	U
	Chrysene	1132	µg/kg	U
	Benzo[b]fluoranthene	1132	µg/kg	U
	Benzo[k]fluoranthene	1132	µg/kg	U
	Benzo[a]pyrene	1132	µg/kg	U
	Indeno[1,2,3-cd]pyrene	1132	µg/kg	U
	Dibenzo[a,h]anthracene	1132	µg/kg	U
	Benzo[g,h,i]perylene	1132	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		707000	µg/kg	**1740000**
C19-C36 Aliphatic Hydrocarbons[1]		707000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		113000	µg/kg	**308000**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				*
Aromatic Surrogate % Recovery (O-Terphenyl)				84
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				75
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				79
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.
* The surrogate was diluted out.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 13, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM3-11

SAMPLE DATA

Lab Sample ID: 67722-4
Matrix: Solid
Percent Solid: 92
Dilution Factor: 2.1
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Extraction Date: 09/09/10
Analysis Date: 09/11/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		55500	µg/kg	**273000**
Diesel PAH Analytes	Naphthalene	555	µg/kg	U
	2-Methylnaphthalene	555	µg/kg	U
	Phenanthrene	555	µg/kg	U
	Acenaphthene	555	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	555	µg/kg	U
	Fluorene	555	µg/kg	U
	Anthracene	555	µg/kg	U
	Fluoranthene	555	µg/kg	U
	Pyrene	555	µg/kg	U
	Benzo[a]anthracene	555	µg/kg	U
	Chrysene	555	µg/kg	U
	Benzo[b]fluoranthene	555	µg/kg	U
	Benzo[k]fluoranthene	555	µg/kg	U
	Benzo[a]pyrene	555	µg/kg	U
	Indeno[1,2,3-cd]pyrene	555	µg/kg	U
	Dibenzo[a,h]anthracene	555	µg/kg	U
	Benzo[g,h,i]perylene	555	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		696000	µg/kg	**1550000**
C19-C36 Aliphatic Hydrocarbons[1]		696000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		55500	µg/kg	**273000**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				*
Aromatic Surrogate % Recovery (O-Terphenyl)				82
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				71
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				75
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.
* The surrogate was diluted out.

SIGNATURE:

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722

SAMPLE ID	SMC 1 (%)	#
B090910EASE	69	
L090910EASE	66	
LD090910EASE	71	
67722-1	68	
67722-2	68	
67722-3	52	
67722-4	59	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B090910EASE	76		67		83	
L090910EASE	65		60		76	
LD090910EASE	68		63		76	
67722-1	66		86		75	
67722-2	73		73		79	
67722-3	74		82		84	
67722-4	70		81		90	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722

SAMPLE ID	SMC 1 (%)	#
B090910EASE,,RR	64	
67722-1	D	
67722-2	59	
67722-3	D	
67722-4	D	
67722-2,MS	63	
67722-2,MSD	60	
S10042 ALI 40	80	
S10042 ALI 40	82	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Componnd diluted ont

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B090910EASE,,RR	83		74		91	
67722-3	75		79		84	
67722-4	71		75		82	
67722-2,MS	77		75		83	
67722-2,MSD	72		74		72	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoriug Compound diluted out

EPH FORM 2

EPH ALIPHATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
Non-spiked sample: B090910EASE
Spike: L090910EASE
Spike duplicate: LD090910EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3333	3333	30	140	25	0	2039	61		2000	60		2	
C-10	3333	3333	40	140	25	0	2348	70		2425	73		3	
C-12	3333	3333	40	140	25	0	2455	74		2518	76		3	
C-14	3333	3333	40	140	25	0	2555	77		2638	79		3	
C-16	3333	3333	40	140	25	0	2662	80		2733	82		3	
C-18	3333	3333	40	140	25	0	2739	82		2767	83		1	
C-19	3333	3333	40	140	25	0	2758	83		2867	86		4	
C-20	3333	3333	40	140	25	0	2756	83		2888	87		5	
C-22	3333	3333	40	140	25	0	2703	81		2753	83		2	
C-24	3333	3333	40	140	25	0	2503	75		2637	79		5	
C-26	3333	3333	40	140	25	0	2479	74		2384	72		4	
C-28	3333	3333	40	140	25	0	2183	65		2408	72		10	
C-30	3333	3333	40	140	25	0	2044	61		2260	68		10	
C-36	3333	3333	40	140	25	0	1561	47		1834	55		16	
C9-C18 Aliphatics	20000	20000	40	140	25	0	14799	74		15080	75		2	
C19-C36 Aliphatics	26667	26667	40	140	25	0	18987	71		20031	75		5	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
Non-spiked sample: B090910EASE
Spike: L090910EASE
Spike duplicate: LD090910EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3333	3333	40	140	30	0	1903	57		1927	58		1	
2-Methylnaphthalene	3333	3333	40	140	30	0	2072	62		2064	62		0	
Acenaphthylene	3333	3333	40	140	30	0	2166	65		2182	65		1	
Acenaphthene	3333	3333	40	140	30	0	2200	66		2178	65		1	
Fluorene	3333	3333	40	140	30	0	2340	70		2390	72		2	
Phenanthrene	3333	3333	40	140	30	0	2503	75		2525	76		1	
Anthracene	3333	3333	40	140	30	0	2498	75		2549	76		2	
Fluoranthene	3333	3333	40	140	30	0	2594	78		2618	79		1	
Pyrene	3333	3333	40	140	30	0	2593	78		2582	77		0	
Benzo[a]anthracene	3333	3333	40	140	30	0	2546	76		2616	78		3	
Chrysene	3333	3333	40	140	30	0	2518	76		2490	75		1	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	2407	72		2469	74		3	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	2520	76		2503	75		1	
Benzo[a] pyrene	3333	3333	40	140	30	0	2462	74		2417	73		2	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	2420	73		2485	75		3	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	2411	72		2477	74		3	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	2519	76		2477	74		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG: 67722
Aliphatic LCS: L090910EASE
Aromatic LCS: L090910EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	14.3	0.0	
2-Methylnaphthalene	0	5	0.00	15.5	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG: 67722
Aliphatic LCS: LD090910EASE
Aromatic LCS: LD090910EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	14.5	0.0	
2-Methylnaphthalene	0	5	0.00	15.5	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
Non-spiked sample: 67722-2
Spike: 67722-2,MS
Spike duplicate: 67722-2,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3572	3514	30	140	50	0	1696	47		1601	46		6	
C-10	3572	3514	40	140	50	0	2570	72		2389	68		7	
C-12	3572	3514	40	140	50	0	5685	159	*	5034	143	*	12	
C-14	3572	3514	40	140	50	0	4882	137		4446	127		9	
C-16	3572	3514	40	140	50	0	2600	73		2614	74		1	
C-18	3572	3514	40	140	50	0	2607	73		2553	73		2	
C-19	3572	3514	40	140	50	0	2627	74		2570	73		2	
C-20	3572	3514	40	140	50	0	2868	80		2804	80		2	
C-22	3572	3514	40	140	50	0	2630	74		2378	68		10	
C-24	3572	3514	40	140	50	0	2569	72		2579	73		0	
C-26	3572	3514	40	140	50	0	4010	112		2830	81		34	
C-28	3572	3514	40	140	50	0	2637	74		2390	68		10	
C-30	3572	3514	40	140	50	0	2459	69		2412	69		2	
C-36	3572	3514	40	140	50	0	2487	70		2455	70		1	
C9-C18 Aliphatics	21432	21085	40	140	50	0	20041	94		18637	88		7	
C19-C36 Aliphatics	28576	28114	40	140	50	0	22286	78		20419	73		9	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
Non-spiked sample: 67722-2
Spike: 67722-2,MS
Spike duplicate: 67722-2,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3572	3514	40	140	50	151	2291	60		2091	55		9	
2-Methylnaphthalene	3572	3514	40	140	50	293	2523	62		2122	52		17	
Acenaphthylene	3572	3514	40	140	50	0	2402	67		2138	61		12	
Acenaphthene	3572	3514	40	140	50	0	2360	66		2139	61		10	
Fluorene	3572	3514	40	140	50	0	2586	72		2374	68		9	
Phenanthrene	3572	3514	40	140	50	0	2663	75		2516	72		6	
Anthracene	3572	3514	40	140	50	0	2705	76		2468	70		9	
Fluoranthene	3572	3514	40	140	50	0	2683	75		2578	73		4	
Pyrene	3572	3514	40	140	50	0	2827	79		2550	73		10	
Benzo[a]anthracene	3572	3514	40	140	50	0	2818	79		2578	73		9	
Chrysene	3572	3514	40	140	50	0	2686	75		2536	72		6	
Benzo[b] fluoranthene	3572	3514	40	140	50	0	2770	78		2473	70		11	
Benzo[k] fluoranthene	3572	3514	40	140	50	0	2683	75		2553	73		5	
Benzo[a] pyrene	3572	3514	40	140	50	0	2727	76		2594	74		5	
Indeno [1,2,3-cd] pyrene	3572	3514	40	140	50	0	2847	80		2743	78		4	
Dibenz [a,h] anthracene	3572	3514	40	140	50	0	2909	81		2653	75		9	
Benzo(g,h,i) perylene	3572	3514	40	140	50	0	2743	77		2637	75		4	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

Instrument D

Analytics environmental laboratory LLC

Seq. ID: 080410-D

IS only#: EPH S9970 ~~S9970~~ AW 8/4/10

EXP: 1/30/11

Tune File: ABN.u

Date: 8/4/10

Loading Check: AW

Voltage: 1965

Analyst: AW/NP

Unloading Check: NP

filament 2

Vial	Meth File	Sample	DF	Data File #	Comments
1	tunemix	S9836 tunemix	50ng	D71435T-45T	adjust mtune
1	tunemix	S9836 tunemix	50ng	46T	✓
2	ALG80410	S9700 Ali 5		47,51	✓
3		S9701 Ali 10		48	✓
4		S9702 Ali 20		49	✓
5		S9936 Ali 40		50	✓
6		S9704 Ali 50		51	✓
7		S9705 Ali 100		52	✓
8		S9715 Ali 20 ICV		53	✓
9	ARM80410	S9706 ARO 2		54,51	✓
10		S9707 ARO 5		55	✓
11		S9708 ARO 10		56	✓
12		S9937 ARO 20		57	✓
13		S9710 ARO 50		58	✓
14		S9711 ARO 100		59	✓
15		S9716 ARO 20 ICV		60	✓ ARO80510 ~~Sol not used~~ OK
~~15~~		~~S9716 ARO 20 ICV~~		~~66~~	AW 8/6/10
1	tunemix	S9836 tunemix			Not needed
5	ALG80410	S9936 Ali 40			
12	ARM80410	S9937 ARO 20			
16		Hexane w/IS			
15		S9716 ARO 20 ICV			
15		S9716 ARO 20 ICV			

AW 8/6/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

Instrument D

Analytics environmental laboratory LLC

Seq. ID: 091010-D

EPH IS only#: S10045 EXP: 2/28/11

Tune File: ARN.u

Date: 9/10/10 Loading Check: AVR

Voltage: 1965

Analyst: AVR Unloading Check: AVR

W-D-091010-1-AVR

Vial	Meth File	Sample	DF	Data File #	Comments
		MeCl2		D71577	
100	tunemix	S9836 tunemix 50ng		78T	
1	AL680410	S10042 Al 40		79SC	System Idle RR
2	ARM80410	S10041 ARO20		80SC	
3		Hexane w/IS		81	
4	tunemix	S9836 tunemix 50ng		82T	✓
1	AL680410	S10042 Al 40		83SC	✓
2	ARM80410	S10041 ARO20		84SC	✓
3		Hexane w/IS		85	✓
4		B090910EASE		86B	✓
5		L090910EASE		87Q	✓
6		LD090910EASE		88Q	✓
7		B090910EASE		89B	✓
8		L090910EASE		90Q	✓
9		LD090910EASE		91Q	✓
10		67722-1 Al		92	RR 1:20
11		-1 ARO		93	✓
12		-2 Al		94	RR 1:5
13		-2 ARO		95	✓
14		-3 Al		96	RR 1:25
15		-3 ARO		97	RR 1:4
16		-4 Al		98	RR 1:25
17		-4 ARO		99S	RR 1:2
18		S10042 Al 40		D71600SC	✓
2		S10041 ARO20		01SC	✓
3		S10042 Al 40		02SC	✓
2		S10041 ARO20		03SC	✓
3		S9836 tunemix 50ng		04T	Not evaluated
1		S9836 tunemix 50ng		05T	✓
1		S10042 Al 40		06SC	✓
2		S10041 ARO20		07SC	✓
3		Hexane w/IS		08	✓
4		B090910EASE, RR		09B	✓
5		B090910EASE, RR		10B	✓
8		67722-1 Al	20	11	✓
19		-2 ↓	5	12	✓
20					

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: 1005313

Methylene Chloride Lot:

Cont. PS-41

Instrument D

Analytics environmental laboratory LLC

Cont.

Seq. ID: 091010-D

IS only#: EPH S10045

EXP: 2/28/11

Tune File: ABN.u

Date: 9/10/10

Loading Check: ALR

Voltage: 1965

Analyst: ALR

Unloading Check: ALR

Vial	Meth File	Sample	DF	Data File #	Comments
21		67722-3 Ali	25	D71613	✓ 40ml + 96ml Hexane
22		-4 ⊥	25	14	✓ ⊥ + ⊥
23		-3 ARO	4	15	✓ 25ml + 75ml MeCl2
24		-4 ARO	2	16	✓
25		67659-1 Ali		17	RRU 1:10
26		-1 ARO		18	✓
27		-2 Ali		19	RRU 1:5
28		-2 ARO		20	✓
29		67722-2, MS		21 SP	✓
30		-2, MSD		22 SP	✓
31		-2, MS		23 SP	✓
32		-2, MSD		24 SP	✓
2	AL680410	S10042 Ali 40		25 SC	✓
3	ARM80410	S10041 ARO 20		26 SC	✓
2		S10042 Ali 40		27 SC	✓
3		S10041 ARO 20		28 SC	✓

MV 9/11/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: ALR 9/12/10 H 1005313

Methylene Chloride Lot: J045GD

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9700 ALI 5	D71447SI.D	8/5/10 2:18
S9701 ALI 10	D71448SI.D	8/5/10 2:48
S9702 ALI 20	D71449SI.D	8/5/10 3:19
S9936 ALI 40	D71450SI.D	8/5/10 3:49
S9704 ALI 50	D71451SI.D	8/5/10 4:20
S9705 ALI 100	D71452SI.D	8/5/10 4:50
S9715 ALI 20 ICV	D71453.D	8/5/10 5:21

Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

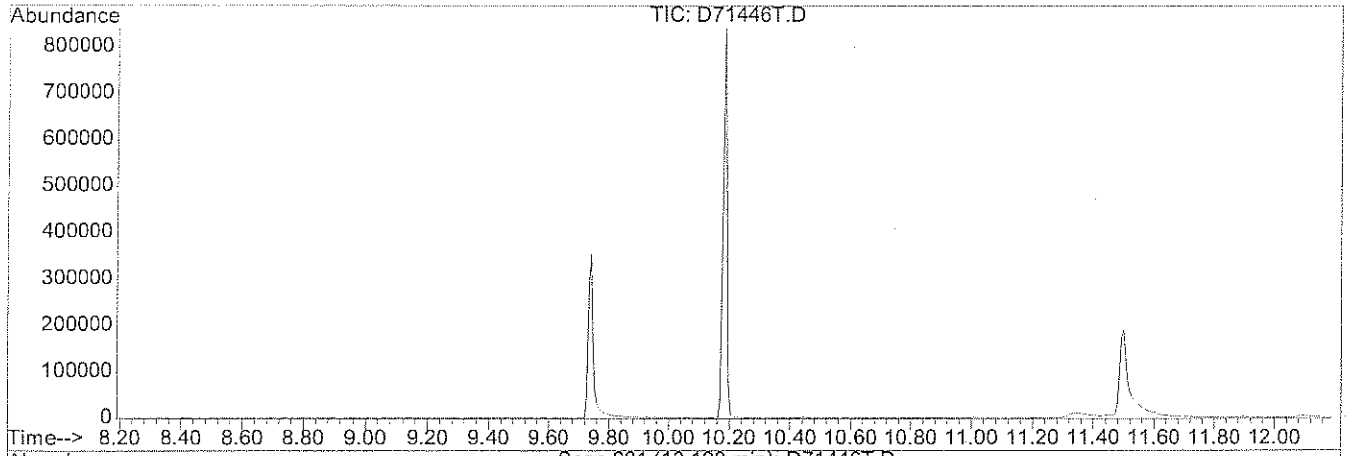
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9706 ARO 2	D71454SI.D	8/5/10 5:51
S9707 ARO 5	D71455SI.D	8/5/10 6:22
S9708 ARO 10	D71456SI.D	8/5/10 6:52
S9937 ARO 20	D71457SI.D	8/5/10 7:22
S9710 ARO 50	D71458SI.D	8/5/10 7:53
S9711 ARO 100	D71459SI.D	8/5/10 8:23
S9716 ARO 20 ICV	D71460.D	8/5/10 8:53

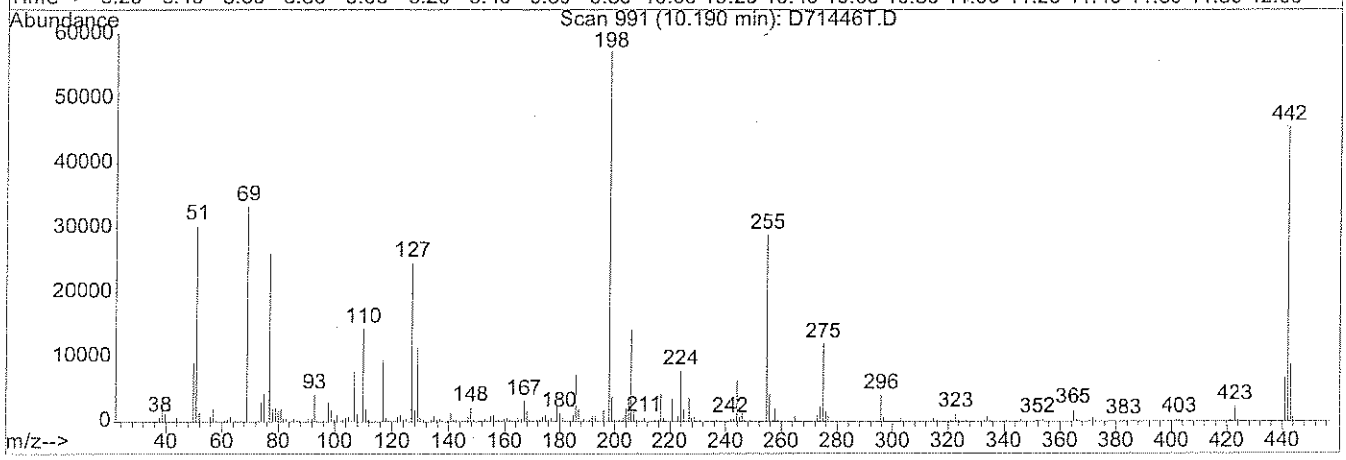
Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX





Spectrum Information: Scan 991

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.9	30392	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.0	33320	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.7	24560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	57496	PASS
199	198	5	9	6.9	3944	PASS
275	198	10	30	20.9	12023	PASS
365	198	1	100	3.2	1842	PASS
441	443	0.01	100	76.4	6759	PASS
442	198	40	100	79.4	45640	PASS
443	442	17	23	19.4	8852	PASS

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:04 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71446T.D**
Date Acquired **8/5/2010 1:47**

NF080510

Name	Target Response
PENTACHLOROPHENOL	39778.00
BENZIDINE	151505.00
DDE	53.00
DDD	1884
DDT	149663

(0% - 20%)

%DDT BREAKDOWN = 1.28% **OK** ✓

8/5/10

8/5/10 2:16 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP080510

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.74	266	39778	15.78	UG/L	95
2) DFTPP	10.18	198	75090	24.58	ug/ml#	60
3) BENZIDINE	11.50	184	151505	18.88	UG/L #	100
4) DDE	11.79	246	53	0.53	UG/L #	24
5) DDD	12.36	235	1884	18.84	UG/L #	19
6) DDT	12.93	235	149663	33.12	UG/L #	86

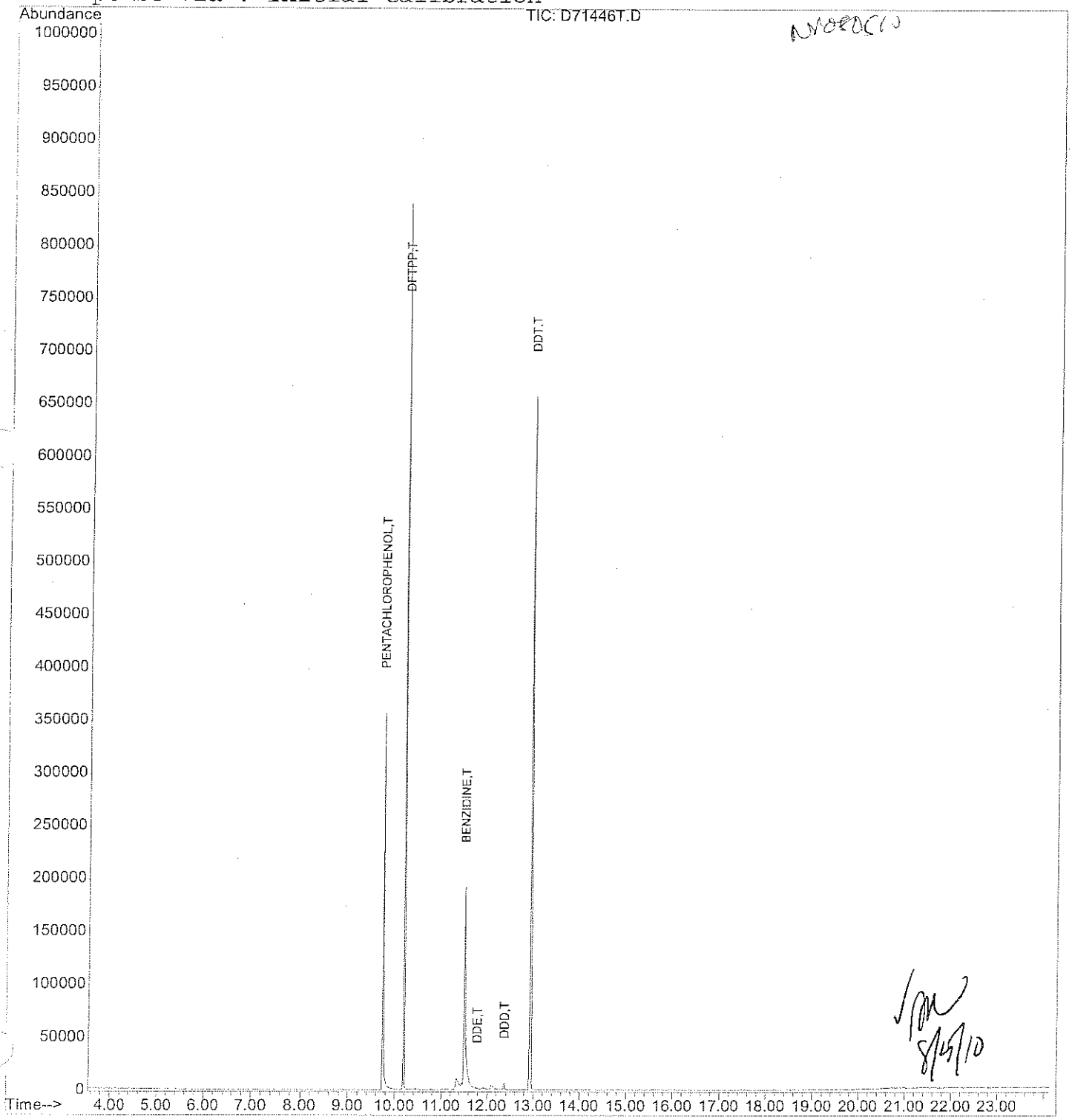
✓ NP 8/5/10

(#) = qualifier out of range (m) = manual integration
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010 Page 1

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration

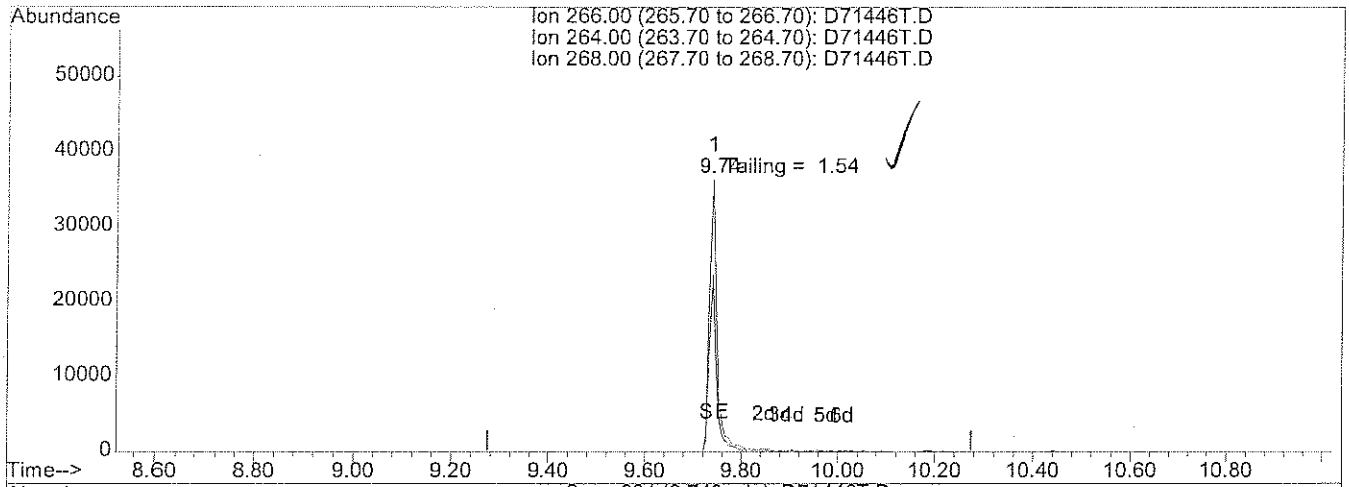


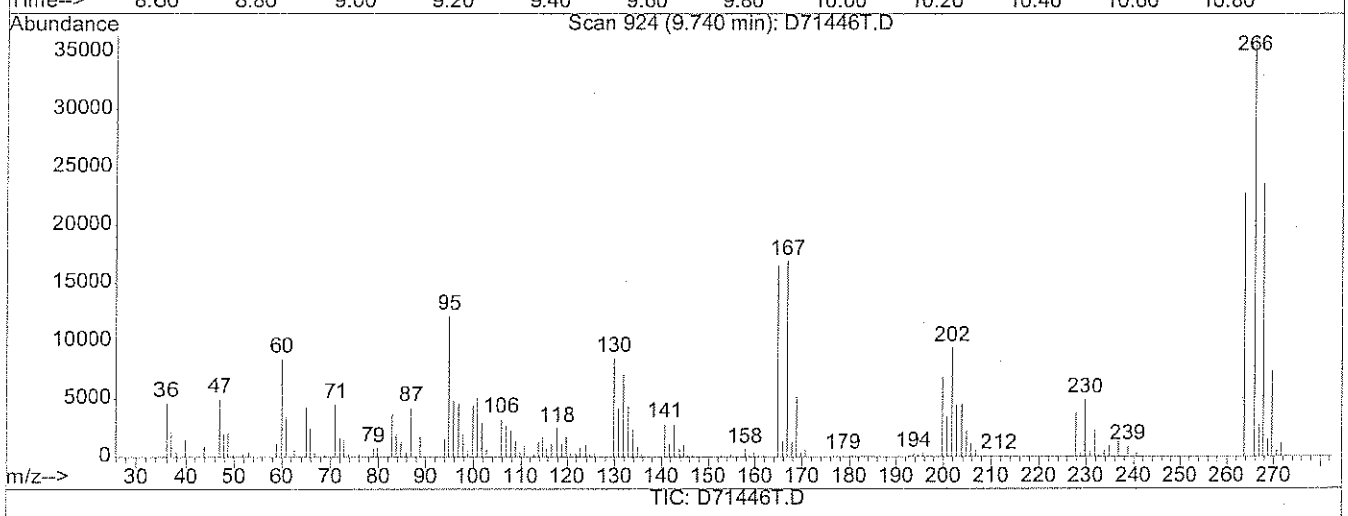
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

N108560





(1) PENTACHLOROPHENOL (T)

9.74min 15.78UG/L

response 39778

Ion	Exp%	Act%
266.00	100	100
264.00	59.50	61.59
268.00	58.20	63.08
0.00	0.00	0.00

8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:40 2010

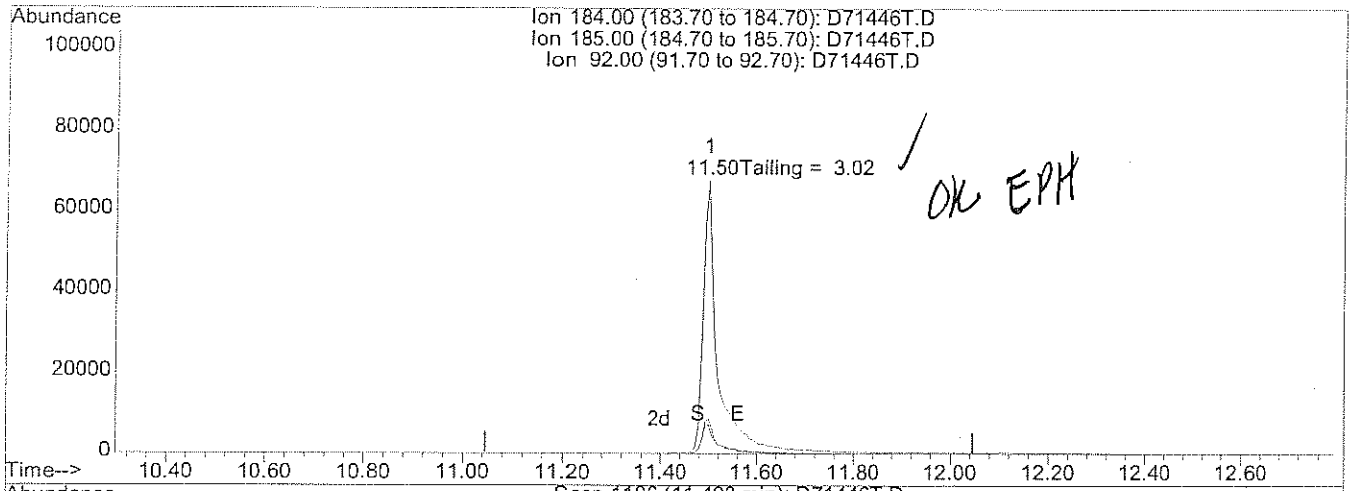
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

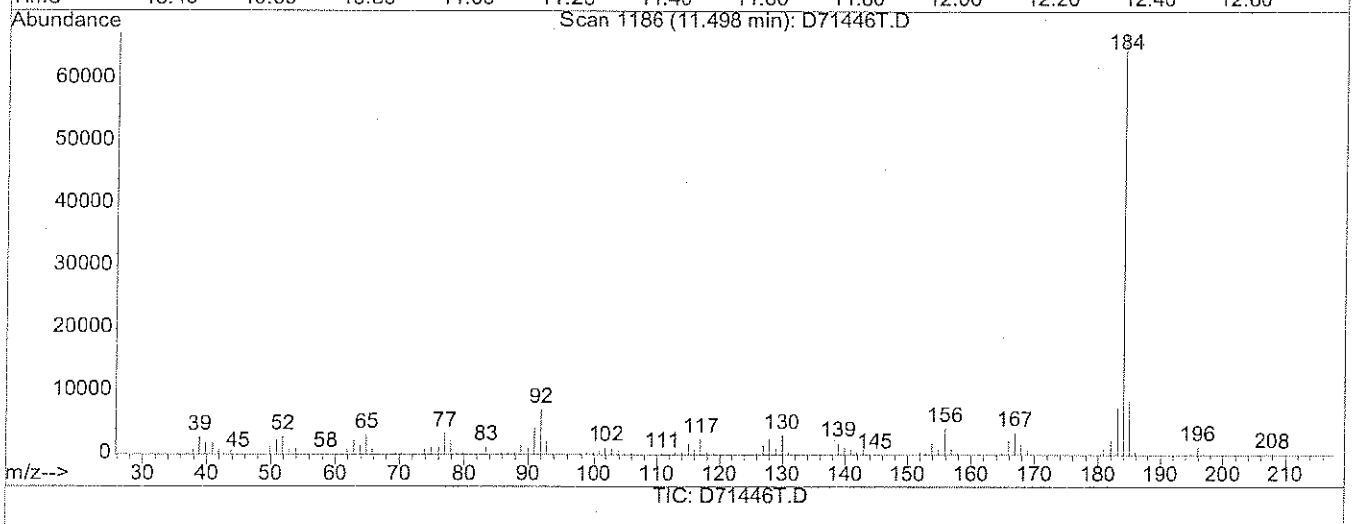
Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

Nr 080510



OK EPH



TIC: D71446T.D

(3) BENZIDINE (T)

11.50min 18.88UG/L

response 151505

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.18#
92.00	0.00	10.90#
0.00	0.00	0.00

OK 8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:19:09 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
DFTPP File ID: D71582T.D
DFTPP Injection Date: 09/10/10
DFTPP Injection Time: 20:36

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71583SC.D	9/10/10 21:06
HEXANE W/IS	D71585.D	9/10/10 22:06
B090910EASE	D71586B.D	9/10/10 22:43
L090910EASE	D71587Q.D	9/10/10 23:13
LD090910EASE	D71588Q.D	9/10/10 23:43
67722-1	D71592.D	9/11/10 1:42
67722-2	D71594.D	9/11/10 2:42
67722-3	D71596.D	9/11/10 3:42
67722-4	D71598.D	9/11/10 4:42
S10042 ALI 40	D71600SC.D	9/11/10 5:42
S10042 ALI 40	D71602SC.D	9/11/10 7:04

Refer to the DFTPP report D71582T.D for ion ratio evaluation.

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

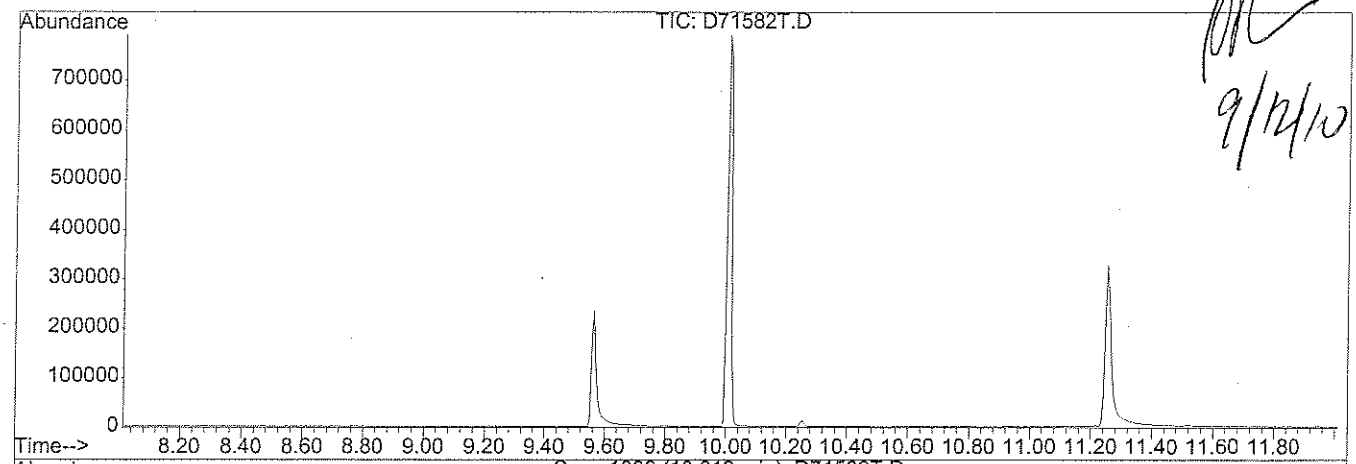
SDG: 67722
DFTPP File ID: D71582T.D
DFTPP Injection Date: 09/10/10
DFTPP Injection Time: 20:36

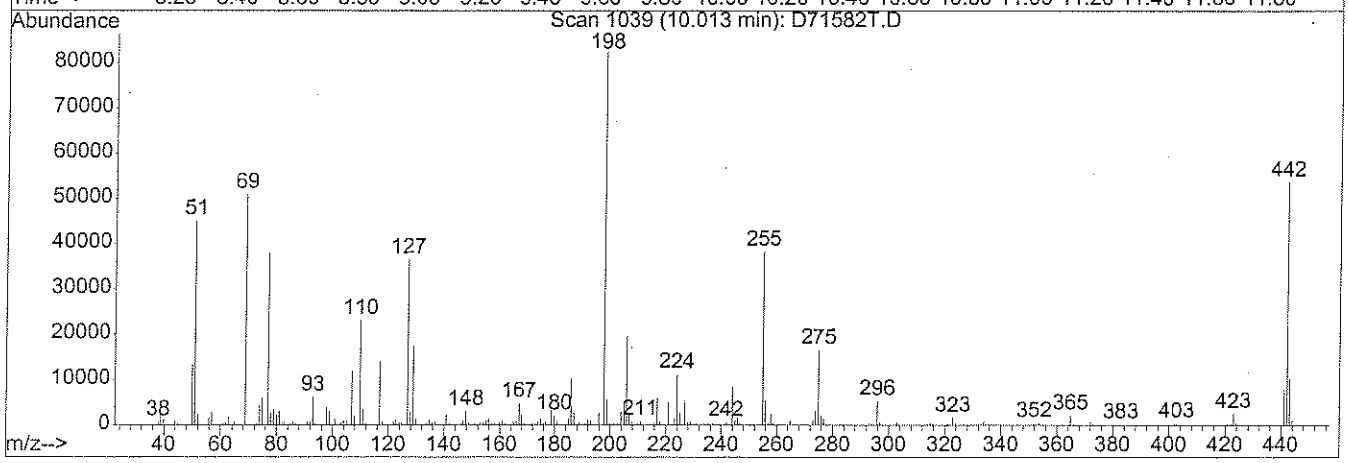
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10041 ARO 20	D71584SC.D	9/10/10 21:36
HEXANE W/IS	D71585.D	9/10/10 22:06
B090910EASE	D71589B.D	9/11/10 0:13
L090910EASE	D71590Q.D	9/11/10 0:42
LD090910EASE	D71591Q.D	9/11/10 1:12
67722-1	D71593.D	9/11/10 2:12
67722-2	D71595.D	9/11/10 3:12
67722-3	D71597.D	9/11/10 4:12
67722-4	D71599.D	9/11/10 5:12
S10041 ARO 20	D71601SC.D	9/11/10 6:34
S10041 ARO 20	D71603SC.D	9/11/10 7:33

Refer to the DFTPP report D71582T.D for ion ratio evaluation.

DFTPP

Data File : D:\HPCHEM\1\DATA\091010-D\D71582T.D Vial: 1
Acq On : 10 Sep 2010 8:36 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX





Spectrum Information: Scan 1039

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.7	45072	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	61.8	50952	PASS
70	69	0.00	2	0.6	298	PASS
127	198	40	60	44.2	36456	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	82416	PASS
199	198	5	9	6.9	5701	PASS
275	198	10	30	20.0	16464	PASS
365	198	1	100	2.6	2163	PASS
441	443	0.01	100	78.0	8008	PASS
442	198	40	100	65.2	53744	PASS
443	442	17	23	19.1	10271	PASS

D91310

D71582T.D TUNMXEPH.M Sat Sep 11 05:10:02 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71582T.D**
Date Acquired **9/10/2010 8:36**

9/12/10

Name	Target Response
PENTACHLOROPHENOL	26244.00
BENZIDINE	173404.00
DDE	330.00
DDD	1100
DDT	142642

(0% - 20%)

%DDT BREAKDOWN = 0.99% **OK**

D91360

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71582T.D Vial: 1
Acq On : 10 Sep 2010 8:36 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
3 Integration Params: rteint.p
Quant Time: Sep 11 5:09 2010 Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.56	266	26244	10.41 UG/L	96
2) DFTPP	10.01	198	79064	25.88 ug/ml	98
3) BENZIDINE	11.25	184	173404	21.61 UG/L #	100
4) DDE	11.52	246	330	3.30 UG/L #	100
5) DDD	12.08	235	1100	11.00 UG/L	99
6) DDT	12.62	235	142642	31.57 UG/L	98

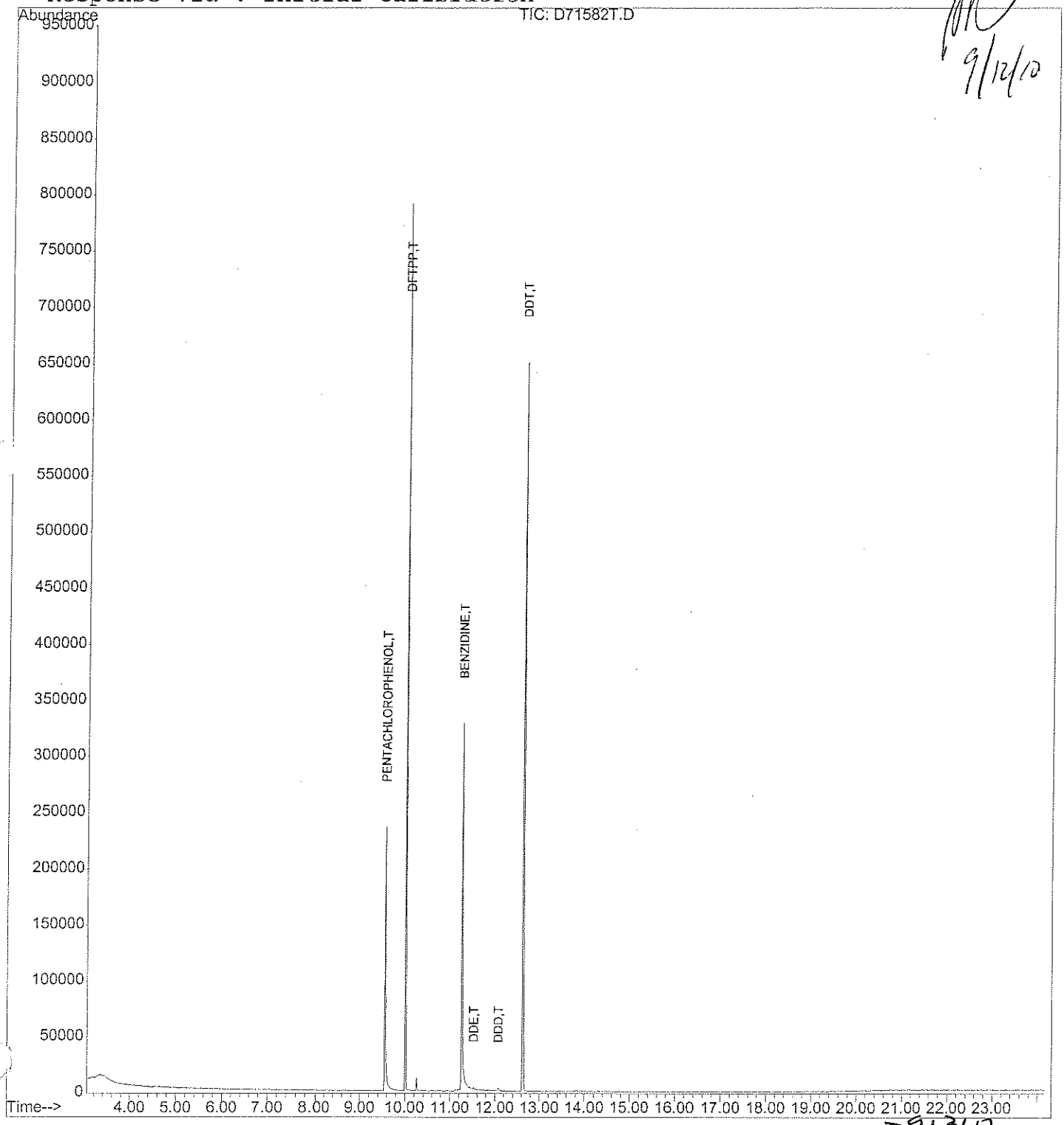
D91300

(#) = qualifier out of range (m) = manual integration
D71582T.D TUNMXEPH.M Sat Sep 11 05:10:49 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71582T.D Vial: 1
Acq On : 10 Sep 2010 8:36 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 11 5:09 2010 Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration



9/12/10

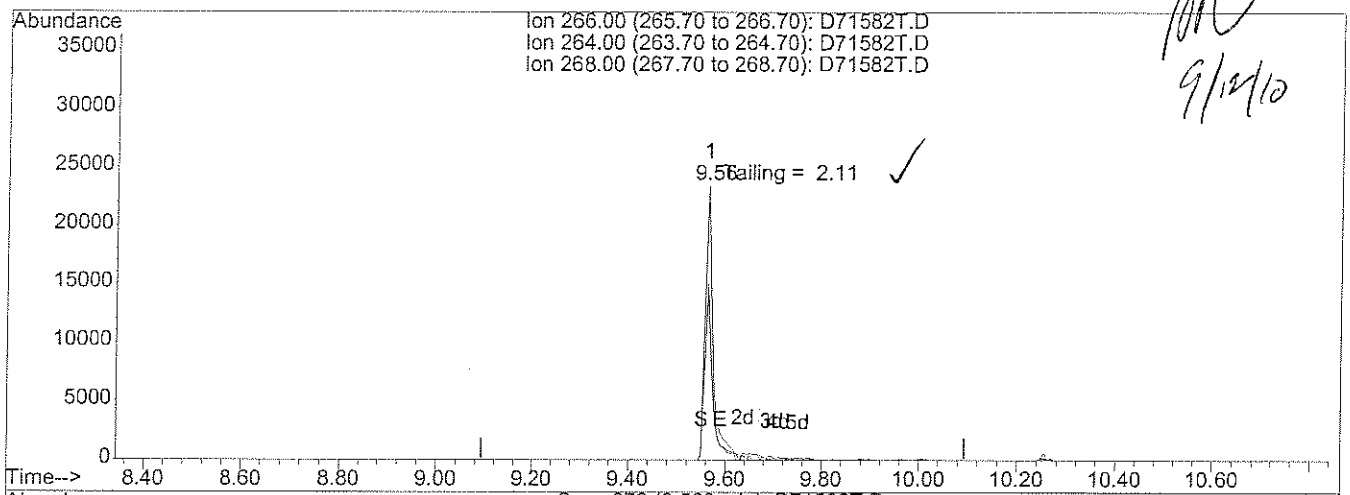
591360

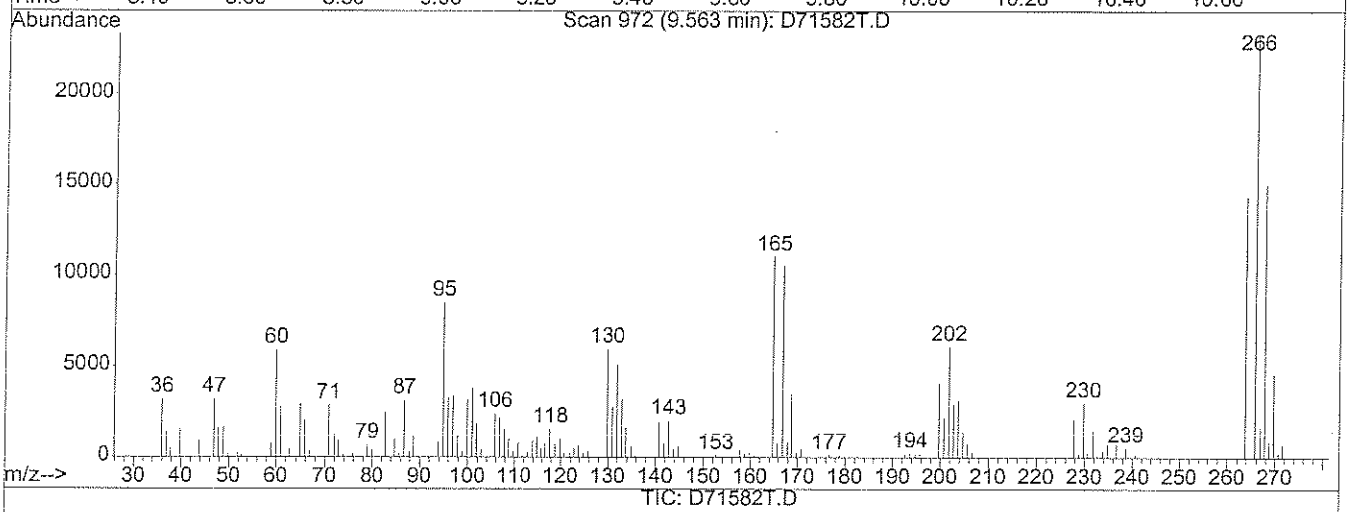
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71582T.D
Acq On : 10 Sep 2010 8:36 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 11 5:09 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration





(1) PENTACHLOROPHENOL (T)

9.56min 10.41UG/L

response 26244

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	64.75
268.00	62.40	64.49
0.00	0.00	0.00

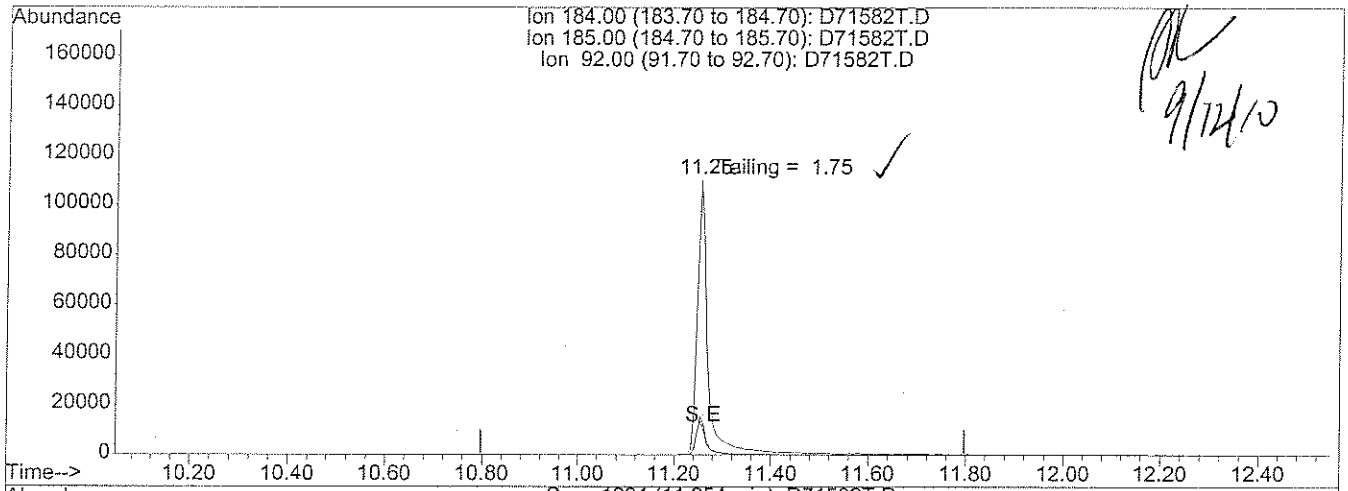
D71310

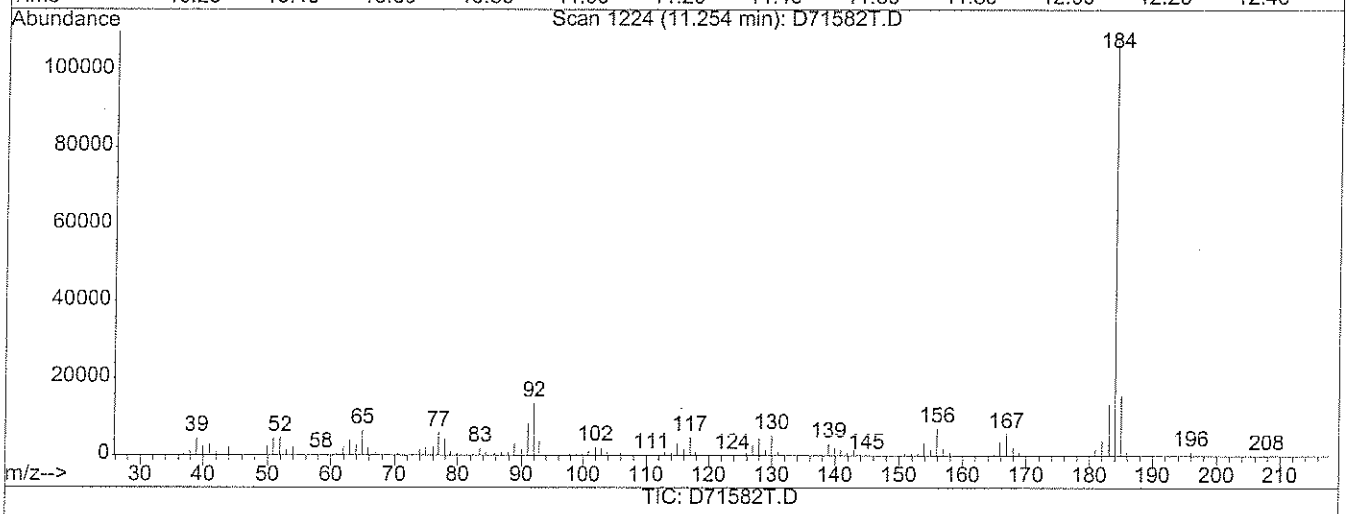
D71582T.D TUNMXEPH.M Sat Sep 11 05:10:57 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71582T.D Vial: 1
Acq On : 10 Sep 2010 8:36 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 11 5:09 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration





TIC: D71582T.D

(3) BENZIDINE (T)

11.25min 21.61UG/L

response 173404

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.08#
92.00	0.00	11.93#
0.00	0.00	0.00

9/12/10

091310

D71582T.D TUNMXEPH.M Sat Sep 11 05:11:04 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
DFTPP File ID: D71605T.D
DFTPP Injection Date: 09/11/10
DFTPP Injection Time: 8:33

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71606SC.D	9/11/10 9:03
HEXANE W/IS	D71608.D	9/11/10 10:03
B090910EASE,,RR	D71609B.D	9/11/10 10:33
67722-1	D71611.D	9/11/10 11:33
67722-2	D71612.D	9/11/10 12:02
67722-3	D71613.D	9/11/10 12:32
67722-4	D71614.D	9/11/10 13:02
67722-2,MS	D71621SP.D	9/11/10 16:31
67722-2,MSD	D71622SP.D	9/11/10 17:01
S10042 ALI 40	D71625SC.D	9/11/10 18:31
S10042 ALI 40	D71627SC.D	9/11/10 19:31

Refer to the DFTPP report D71605T.D for ion ratio evaluation.

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
DFTPP File ID: D71605T.D
DFTPP Injection Date: 09/11/10
DFTPP Injection Time: 8:33

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10041 ARO 20	D71607SC.D	9/11/10 9:33
HEXANE W/IS	D71608.D	9/11/10 10:03
B090910EASE,,RR	D71610B.D	9/11/10 11:03
67722-3	D71615.D	9/11/10 13:32
67722-4	D71616.D	9/11/10 14:02
67722-2,MS	D71623SP.D	9/11/10 17:31
67722-2,MSD	D71624SP.D	9/11/10 18:01
S10041 ARO 20	D71626SC.D	9/11/10 19:01
S10041 ARO 20	D71628SC.D	9/11/10 20:01

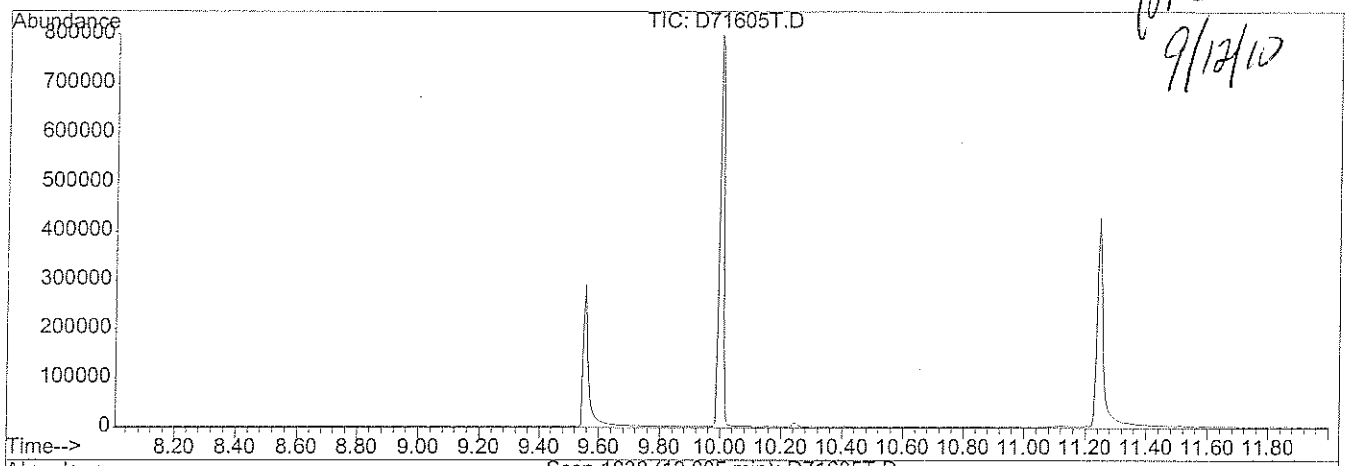
Refer to the DFTPP report D71605T.D for ion ratio evaluation.

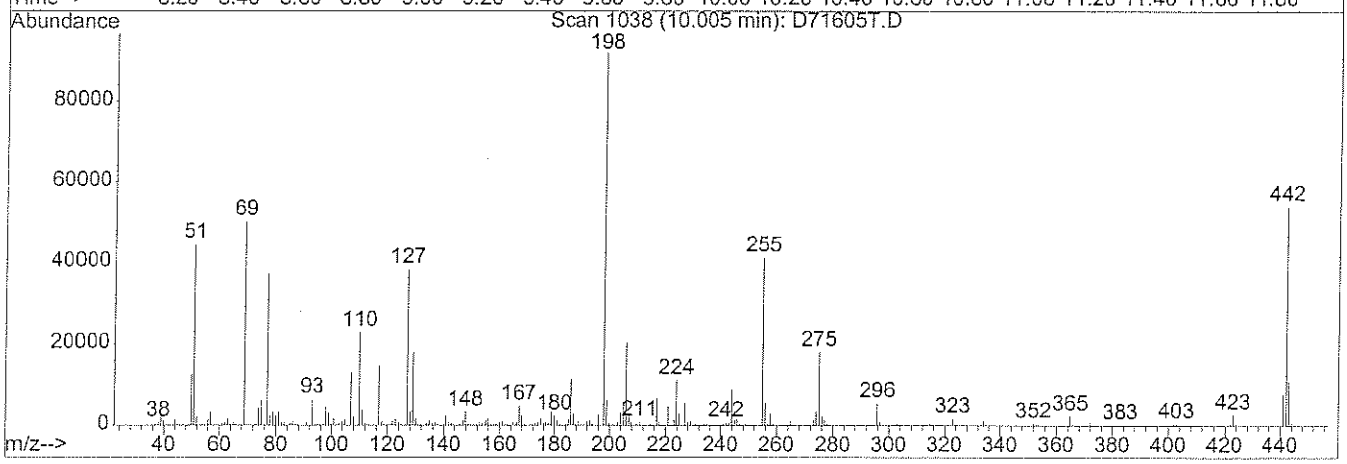
EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\091010-D\D71605T.D Vial: 1
Acq On : 11 Sep 2010 8:33 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

9/12/10





Spectrum Information: Scan 1038

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	48.3	44512	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	54.5	50200	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	41.6	38336	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	92136	PASS
199	198	5	9	6.8	6268	PASS
275	198	10	30	19.5	17992	PASS
365	198	1	100	2.5	2338	PASS
441	443	0.01	100	74.6	8140	PASS
442	198	40	100	58.7	54040	PASS
443	442	17	23	20.2	10911	PASS

D71310

D71605T.D TUNMXEPH.M Sun Sep 12 10:58:06 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71605T.D**
Date Acquired **9/11/2010 8:33**

9/12/10

Name	Target Response
PENTACHLOROPHENOL	33856.00
BENZIDINE	220716.00
DDE	240.00
DDD	929
DDT	153053

(0% - 20%)

%DDT BREAKDOWN = 0.76% **OK** ✓

091310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71605T.D Vial: 1
Acq On : 11 Sep 2010 8:33 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
3 Integration Params: rteint.p
Quant Time: Sep 12 10:58 2010 Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

PM 9/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.56	266	33856	13.43 UG/L	99
2) DFTPP	10.00	198	87537	28.65 ug/ml	94
3) BENZIDINE	11.25	184	220716	27.51 UG/L #	100
4) DDE	11.51	246	240	2.40 UG/L #	100
5) DDD	12.07	235	929	9.29 UG/L #	64
6) DDT	12.61	235	153053	33.87 UG/L	98

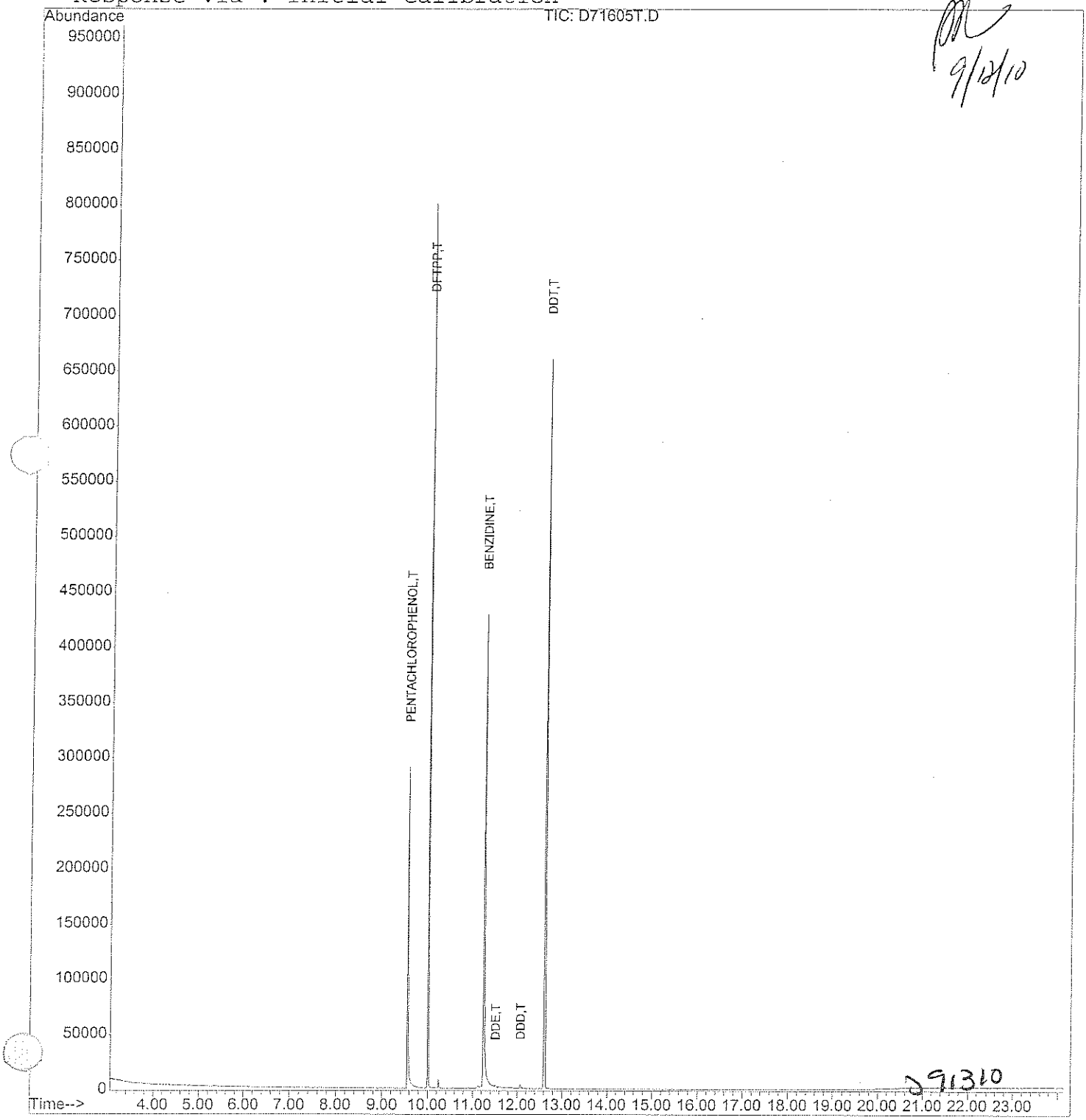
D91310

(#) = qualifier out of range (m) = manual integration
D71605T.D TUNMXEPH.M Sun Sep 12 10:58:52 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71605T.D Vial: 1
Acq On : 11 Sep 2010 8:33 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 12 10:58 2010 Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration



9/12/10

D91310

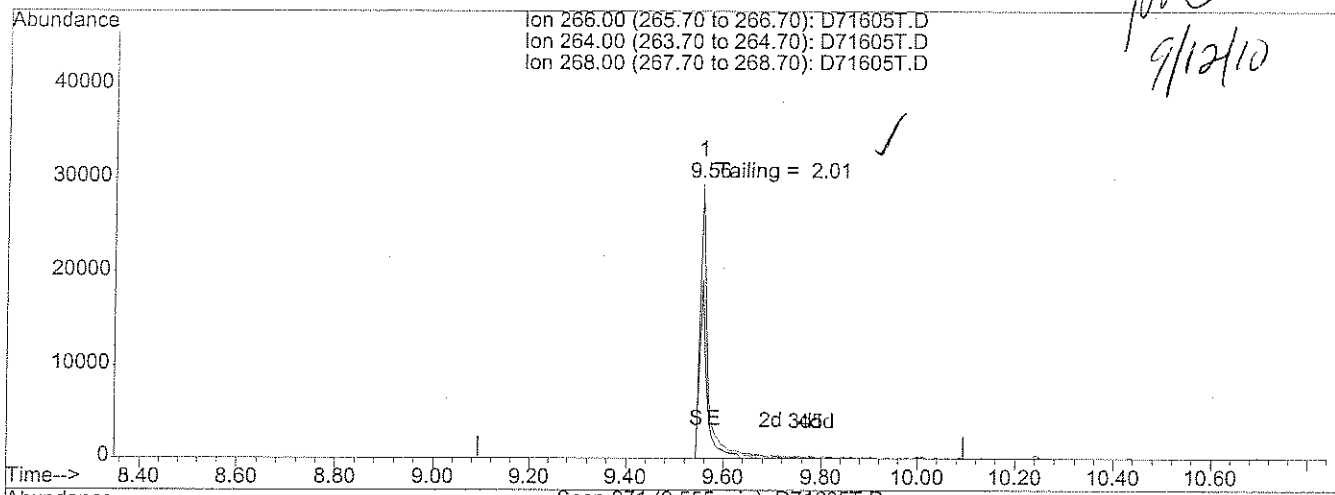
D71605T.D TUNMXEPH.M Sun Sep 12 10:58:53 2010 Page 2

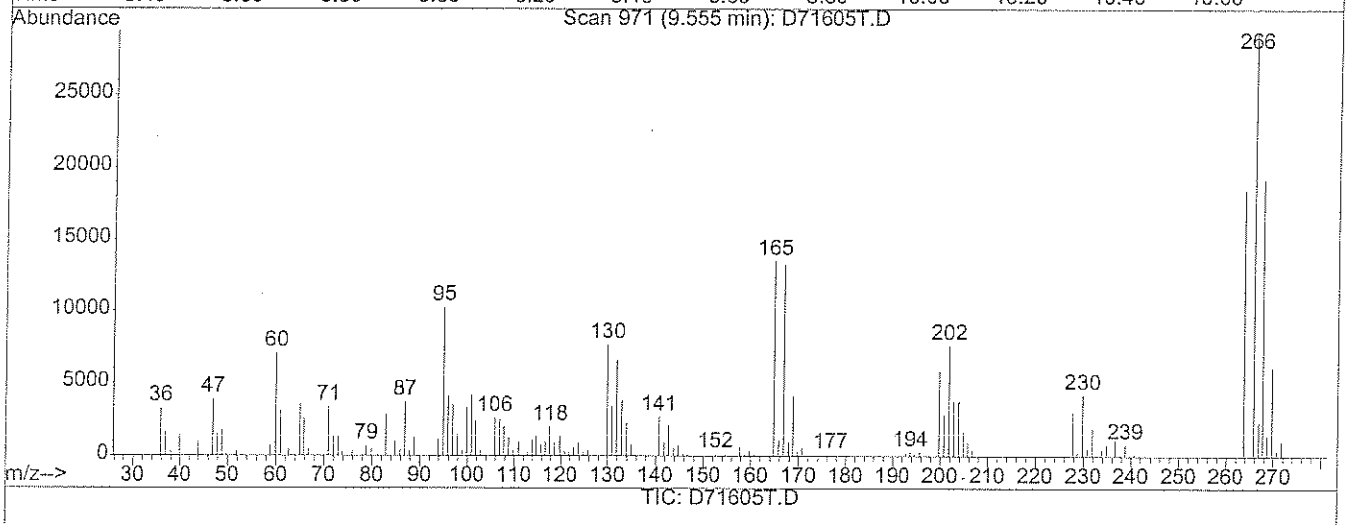
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71605T.D Vial: 1
Acq On : 11 Sep 2010 8:33 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 12 10:58 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

MV 9/12/10





(1) PENTACHLOROPHENOL (T)

9.56min 13.43UG/L

response 33856

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	58.46
268.00	62.40	61.76
0.00	0.00	0.00

J91310

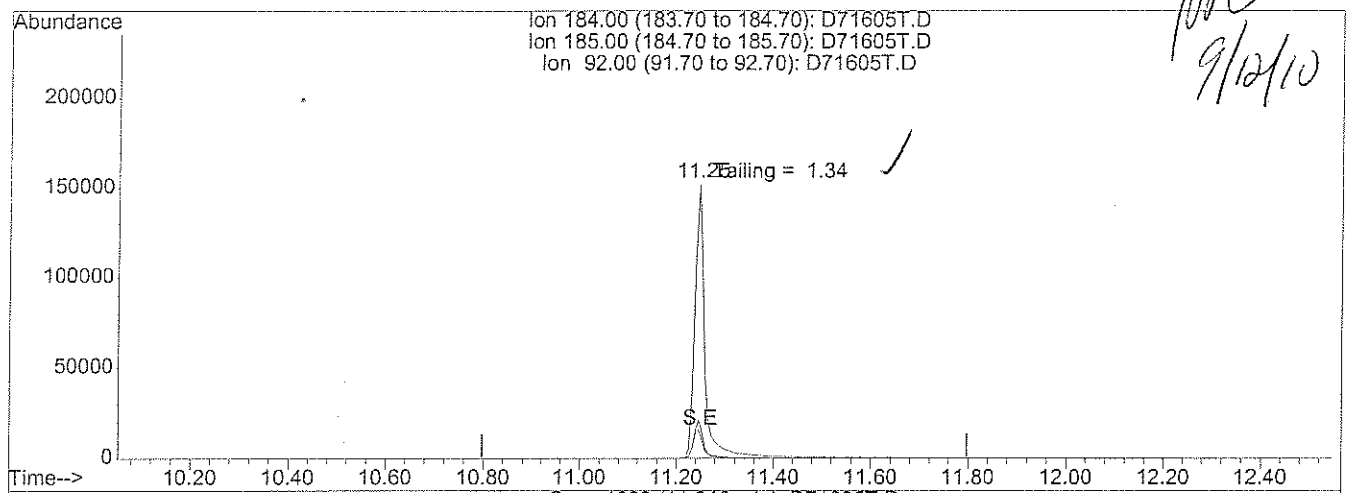
D71605T.D TUNMXEPH.M Sun Sep 12 10:59:13 2010

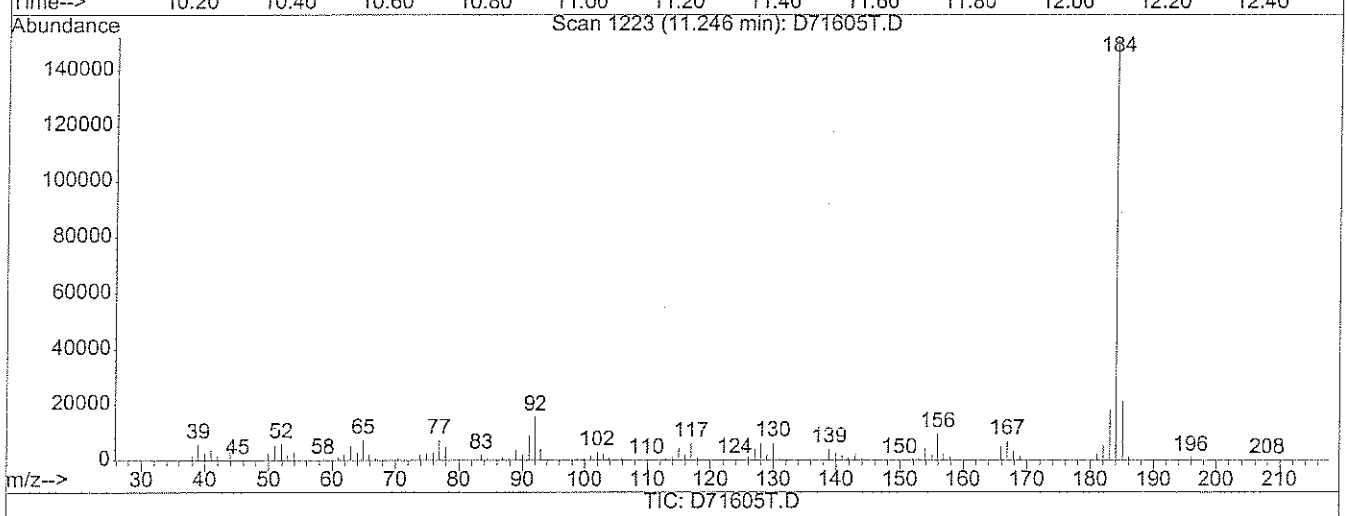
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71605T.D Vial: 1
Acq On : 11 Sep 2010 8:33 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 12 10:58 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/12/10





TIC: D71605T.D

(3) BENZIDINE (T)

11.25min 27.51UG/L

response 220716

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.89#
92.00	0.00	10.85#
0.00	0.00	0.00

091310

D71605T.D TUNMXEPH.M Sun Sep 12 10:59:21 2010

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010

M080560

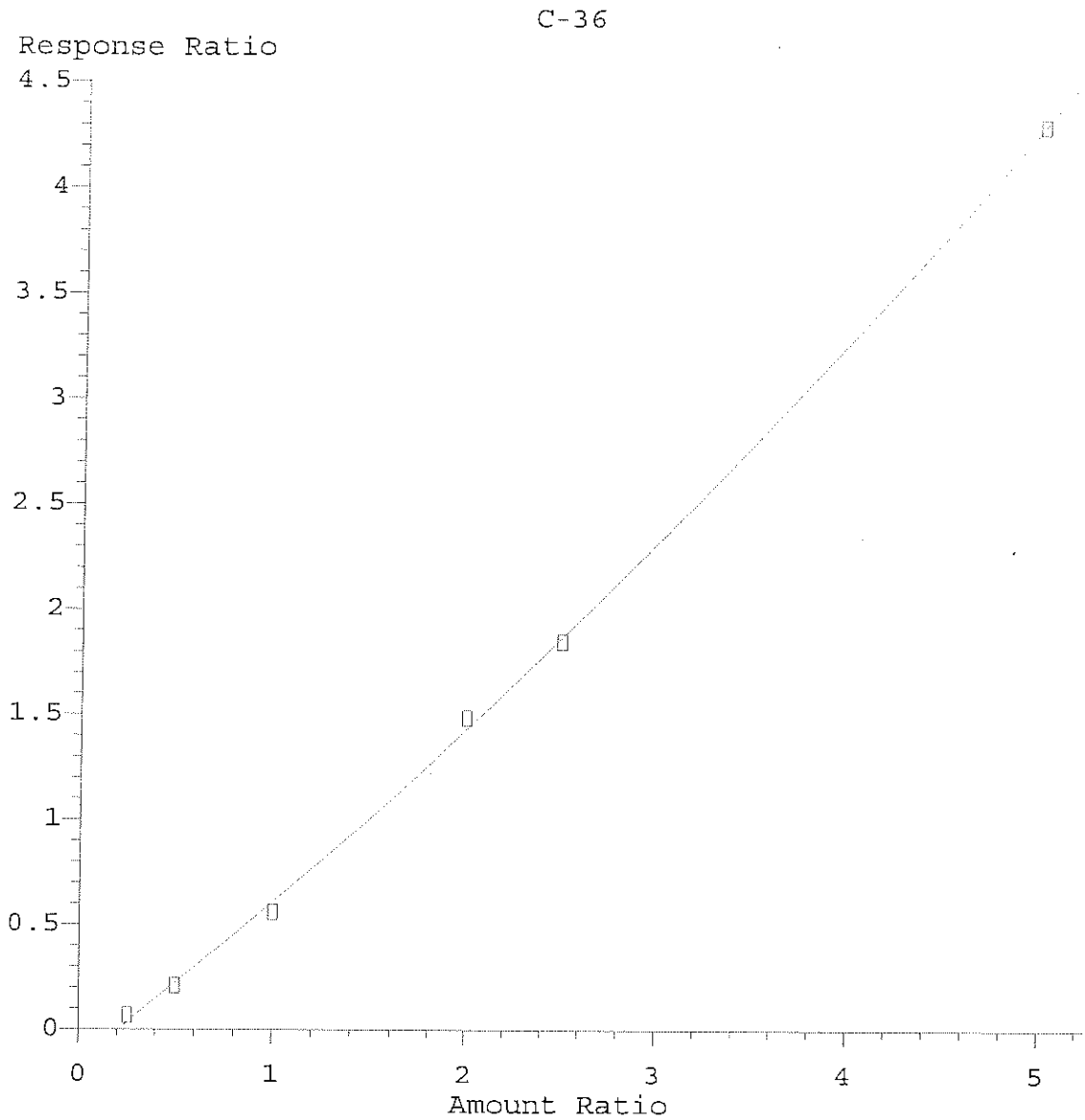
Calibration Files
5 =D71447SI.D 10 =D71448SI.D 20 =D71449SI.D
40 =D71450SI.D 50 =D71451SI.D 100 =D71452SI.D

	Compound	5	10	20	40	50	100	Avg		%RSI
1)	I 5-alpha-Androstane	----------ISTD----------								
2)	TZM C-9	1.183	1.207	1.210	1.297	1.278	1.277	1.242	0	3.8
3)	TZM C-10	1.208	1.243	1.232	1.328	1.325	1.283	1.270	0	3.9
4)	TZM C-12	1.226	1.320	1.372	1.449	1.422	1.394	1.364	0	5.9
5)	TZM C-14	1.287	1.336	1.376	1.498	1.486	1.410	1.399	0	5.9
6)	TZM C-16	1.221	1.308	1.370	1.410	1.411	1.381	1.350	0	5.4
7)	TZM C-18	1.202	1.290	1.351	1.451	1.435	1.329	1.343	0	6.8
8)	XH C9-C18 ✓	1.221	1.284	1.319	1.405	1.393	1.346	1.328	0	5.2
9)	TZM C-19	1.201	1.280	1.351	1.418	1.425	1.296	1.329	0	6.5
10)	TZM C-20	1.160	1.240	1.286	1.445	1.394	1.287	1.302	0	7.9
11)	S 1-Chlorooctadecane	1.087	1.167	1.211	1.310	1.301	1.288	1.227	0	7.2
12)	TZM C-22	1.146	1.251	1.294	1.401	1.365	1.282	1.290	0	6.9
13)	TZM C-24	0.999	1.219	1.235	1.377	1.347	1.251	1.238	0	10.7
14)	TZM C-26	0.897	1.133	1.184	1.311	1.208	1.147	1.147	0	12.0
15)	TZM C-28	0.701	0.966	1.045	1.149	1.115	1.062	1.006	0	16.1
16)	TZM C-30	0.584	0.821	0.931	1.078	1.043	0.979	0.906	0	20.0
[illegible]	TZM C-36	0.268	0.418	0.560	0.742	0.740	0.860	0.598	0	37.5
[illegible]	XH C19-C36 ✓	0.869	1.041	1.111	1.240	1.205	1.145	1.102	0	12.1

✓ PK 8/5/10

(#) = Out of Range

N10 80510



R = 3.32e-002 A*A + 7.24e-001 A - 1.48e-001
Curve Fit: Quadratic

Method Name: D:\HPCHEM\1\METHODS\ALG80410.M
Calibration Table Last Updated: Thu Aug 05 08:16:42 2010

JOM 8/5/10

GC ALIPHATIC
2ND SOURCE CHECK

Data File Name D71453.D
Sample Name S9715 ALI 20 ICV
Date Acquired 8/5/2010 5:21

N080410

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
C-9	20.65	20	103%	OK	20.65		
C-10	21.26	20	106%	OK	21.26		
C-12	22.50	20	113%	OK	22.50		
C-14	21.19	20	106%	OK	21.19		
C-16	21.45	20	107%	OK	21.45		
C-18	20.57	20	103%	OK	20.57		
C9-C18		120			**127.62**	106%	OK
C-19	20.54	20	103%	OK	20.54		
C-20	21.18	20	106%	OK	21.18		
C-22	21.05	20	105%	OK	21.05		
C-24	20.76	20	104%	OK	20.76		
C-26	20.40	20	102%	OK	20.40		
C-28	21.22	20	106%	OK	21.22		
C-30	20.68	20	103%	OK	20.68		
C-36	18.98	20	95%	OK	18.98		
C19-C36		160			**164.81**	103%	OK
1-Chlorooctadecane	19.20	20	96%	OK			

JM 8/5/10

8/5/10 8:18 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ALGICVSUMPRCT.CRT

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Initial Calibration

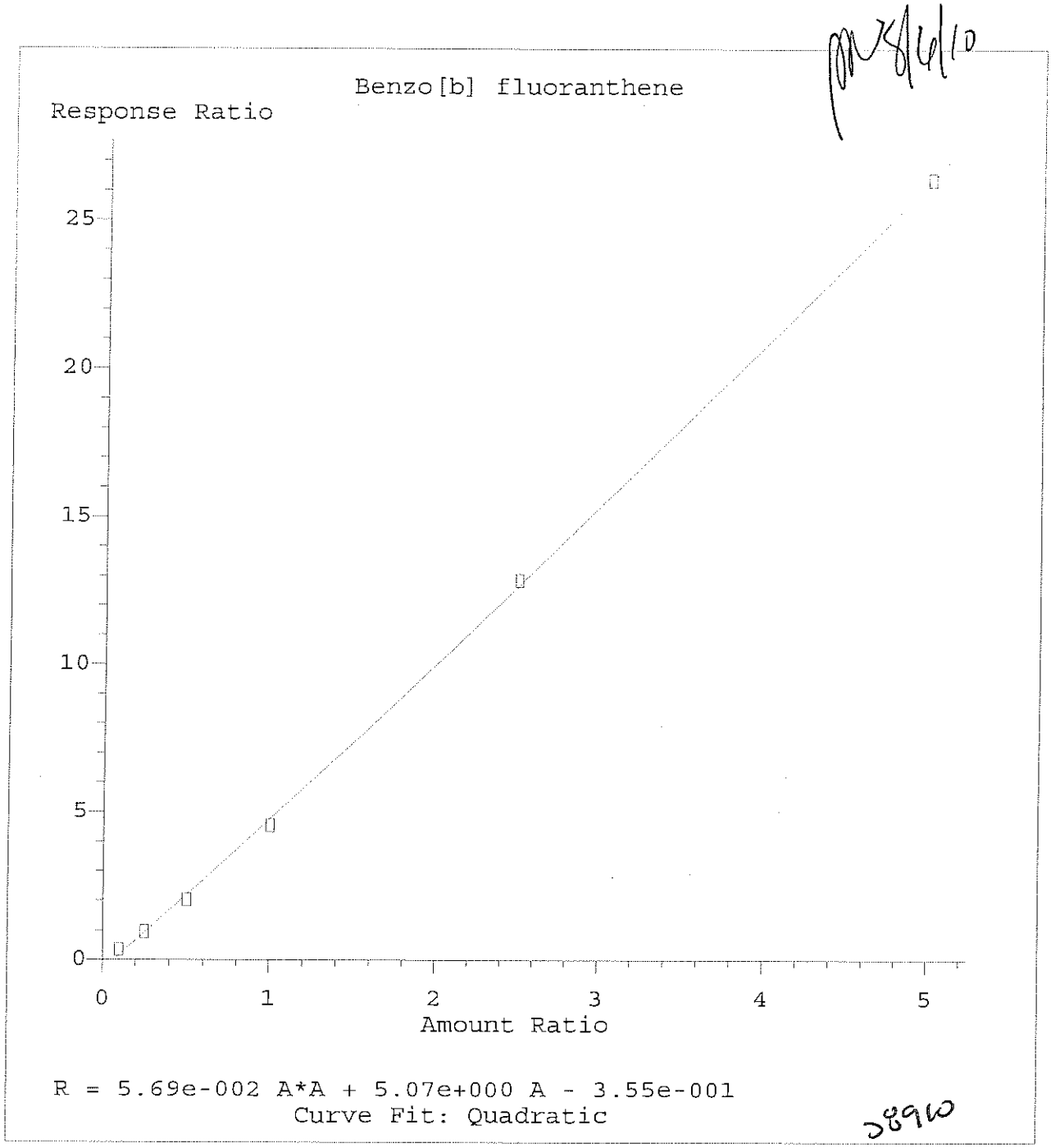
PM 8/6/10

Calibration Files
2 =D71454SI.D 5 =D71455SI.D 10 =D71456SI.D
20 =D71457SI.D 50 =D71458SI.D 100 =D71459SI.D

		Compound	2	5	10	20	50	100	Avg	%RSD
1)	I	5-alpha-Androstane	----------ISTD----------							
2)	TM	Naphthalene	7.529	8.067	8.021	8.065	8.411	8.319	8.069	3.81
3)	TM	2-Methylnaphthalene	4.272	4.227	4.490	4.367	4.567	4.461	4.397	3.00
4)	TM	Acenaphthylene	7.175	7.196	7.568	7.725	7.847	8.054	7.594	4.67
5)	TM	Acenaphthene	3.988	4.266	4.200	4.253	4.341	4.381	4.238	3.27
6)	TM	Fluorene	4.766	4.754	4.726	5.019	5.094	5.183	4.924	4.04
7)	TM	Phenanthrene	5.790	6.350	6.654	6.612	7.164	7.247	6.636	8.12
8)	TM	Anthracene	6.252	6.723	6.969	6.962	7.342	7.181	6.905	5.55
9)	S	2-Fluorobiphenyl	4.962	5.070	5.126	5.346	5.555	5.684	5.290	5.43
10)	S	2-Bromonaphthalene	1.949	2.082	2.148	2.219	2.314	2.438	2.192	7.88
11)	S	o-terphenyl	2.922	2.941	3.027	3.071	3.178	3.450	3.098	6.32
12)	TM	Fluoranthene	6.548	6.616	6.619	6.843	7.312	7.503	6.907	5.86
13)	TM	Pyrene	6.654	6.794	6.950	7.180	7.455	7.533	7.094	5.02
14)	TM	Benzo[a]anthracene	4.500	4.828	5.075	5.629	6.236	6.423	5.449	14.28
15)	TM	Chrysene	5.455	5.333	5.504	5.870	6.131	6.226	5.753	6.53
16)	TM	Benzo[b] fluoranthe	3.542	3.820	4.066	4.549	5.141	5.276	4.399	16.15 Q
17)	TM	Benzo[k] fluoranthe	4.512	4.443	4.728	5.002	5.179	5.489	4.892	8.30
18)	TM	Benzo[a] pyrene	3.547	3.725	4.157	4.501	4.785	5.149	4.311	14.35 Q
19)	TM	Indeno [1,2,3-cd] p	2.140	2.497	3.013	3.516	3.793	3.712	3.112	21.89 Q
20)	TM	Dibenz [a,h] anthra	2.720	3.042	3.475	3.725	3.843	3.976	3.463	14.18 Q
21)	TM	Benzo(g,h,i) peryl	3.427	3.604	3.780	4.136	3.851	3.459	3.709	7.24 Q
22)		c11-c22							0.000#	-1.00

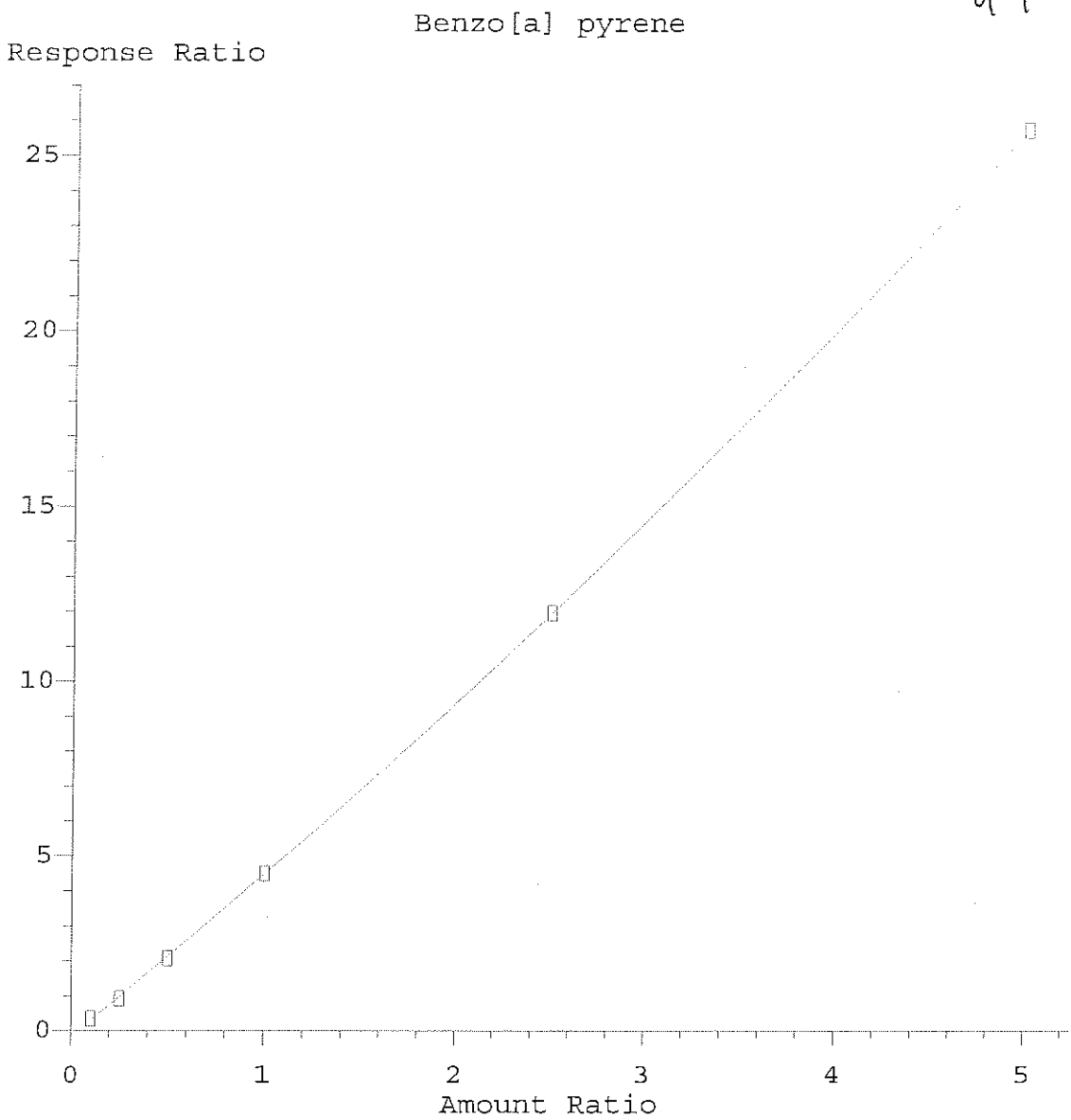
08910

(#) = Out of Range



Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10

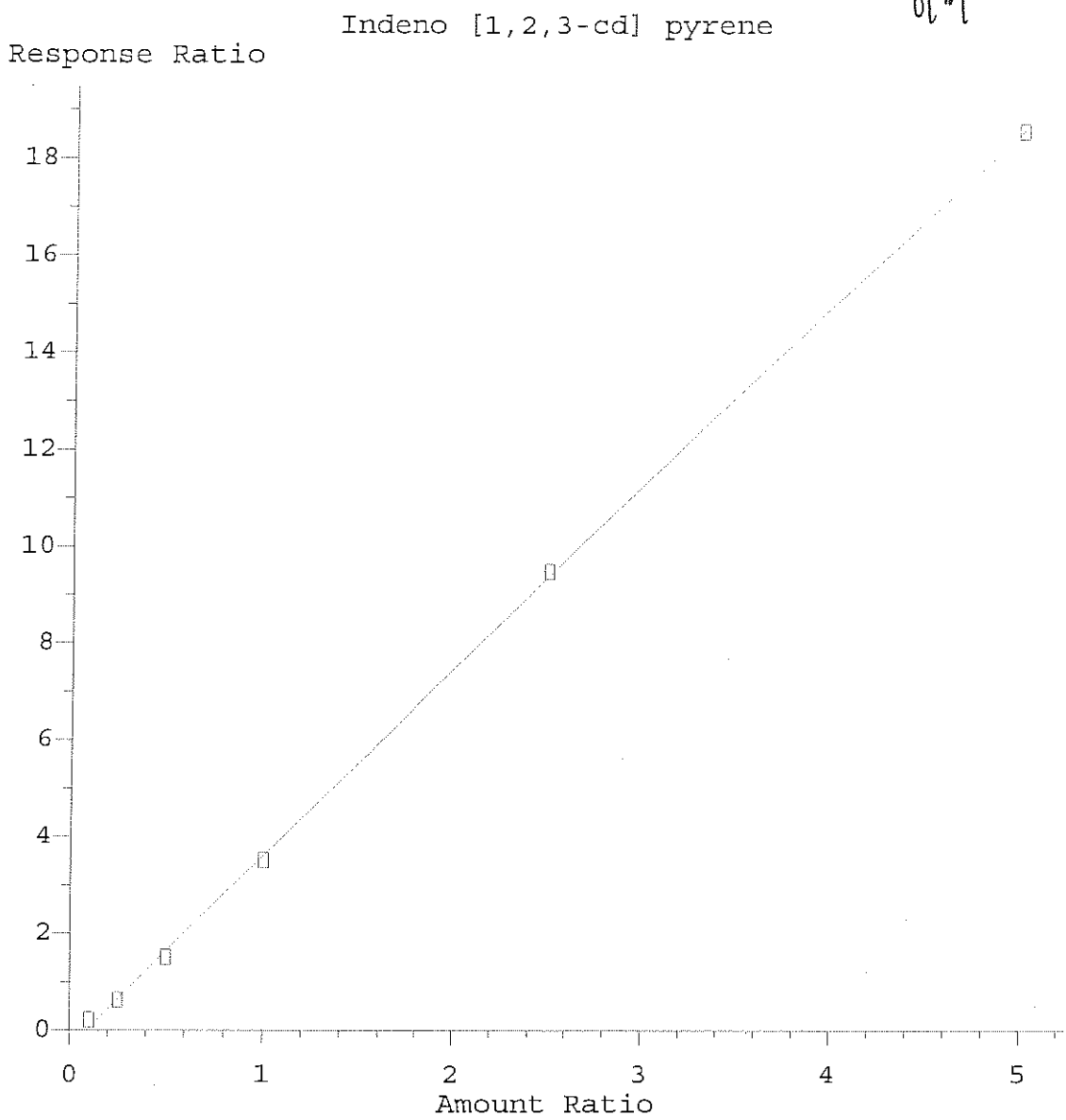


R = 1.34e-001 A*A + 4.51e+000 A - 1.63e-001
Curve Fit: Quadratic

08/10

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10

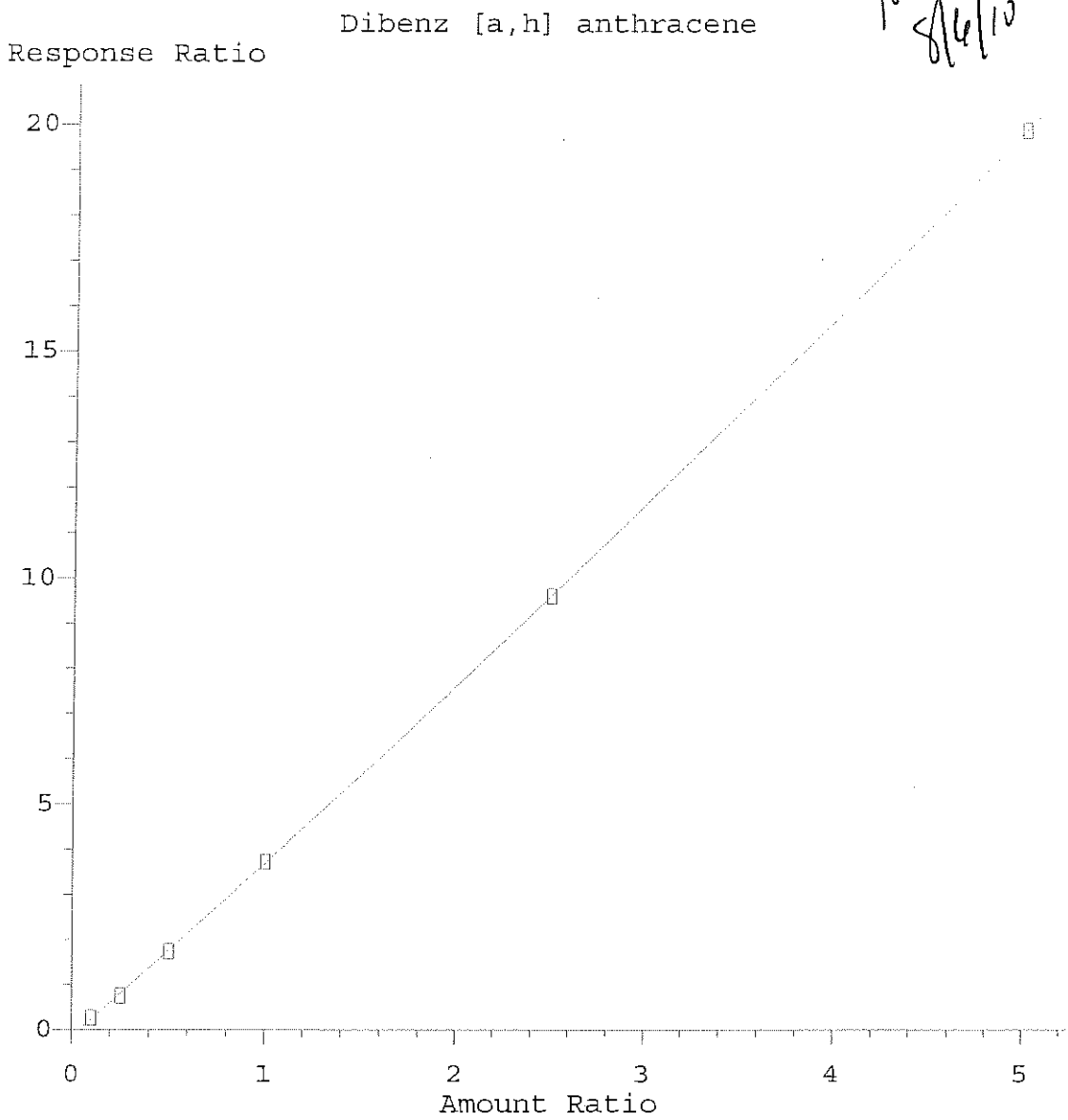


R = -4.35e-002 A*A + 4.00e+000 A - 3.53e-001
Curve Fit: Quadratic

38900

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/4/10

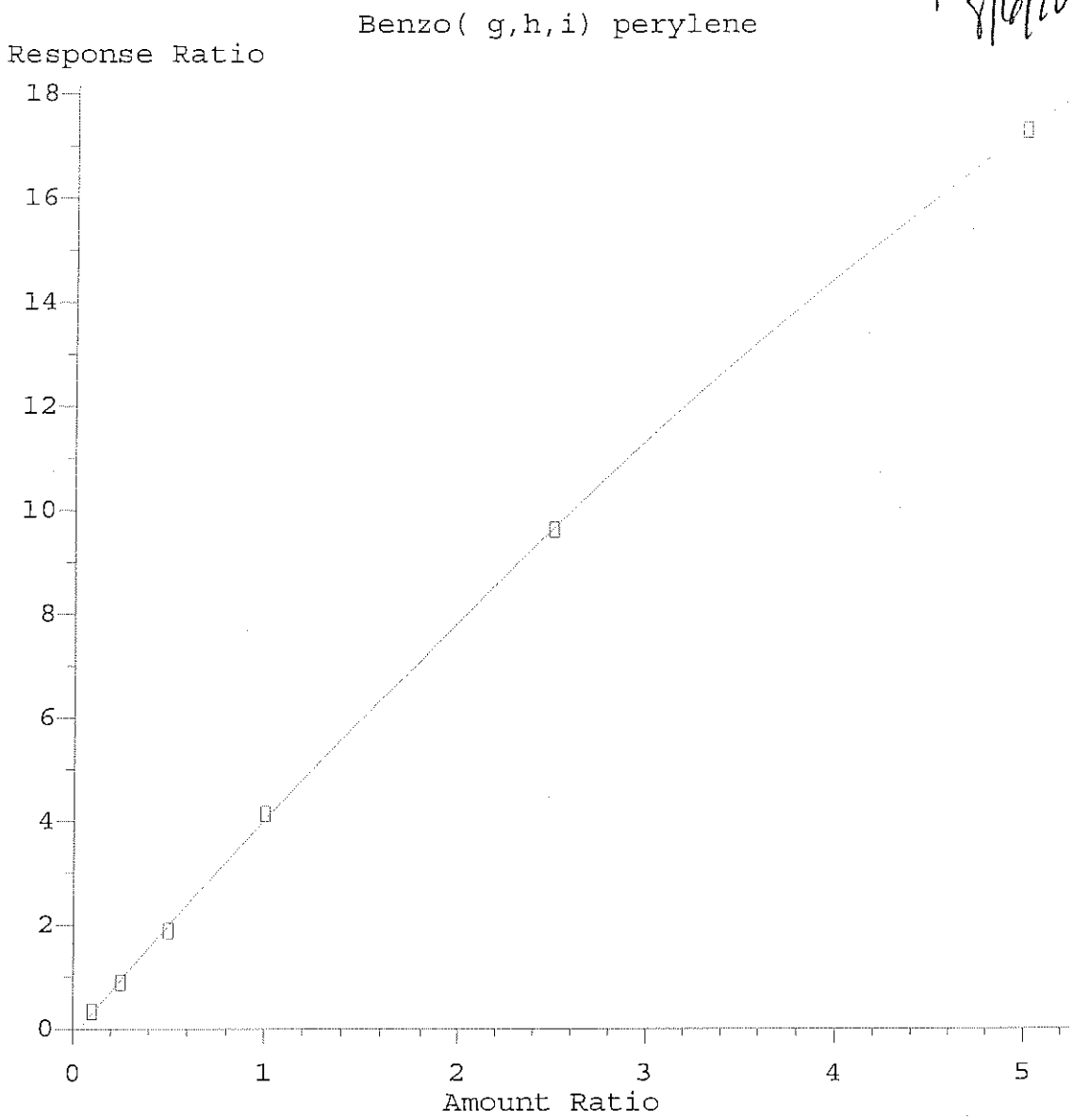


R = 4.04e-002 A*A + 3.80e+000 A - 1.51e-001
Curve Fit: Quadratic

JB9W

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10



R = -1.73e-001 A*A + 4.35e+000 A - 1.44e-001
Curve Fit: Quadratic

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

0890

MS AROMATIC
ICV

Data File Name D71460.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/5/2010 8:53

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	22.55	20	113%	OK
2-Methylnaphthalene	22.33	20	112%	OK
Acenaphthylene	22.20	20	111%	OK
Acenaphthene	22.24	20	111%	OK
Fluorene	22.47	20	112%	OK
Phenanthrene	21.99	20	110%	OK
Anthracene	22.53	20	113%	OK
o-terphenyl	23.18	20	116%	OK
Fluoranthene	21.67	20	108%	OK
Pyrene	22.24	20	111%	OK
Benzo[a]anthracene	22.19	20	111%	OK
Chrysene	22.58	20	113%	OK
Benzo[b] fluoranthene	20.30	20	102%	OK
Benzo[k] fluoranthene	22.10	20	110%	OK
Benzo[a] pyrene	22.55	20	113%	OK
Indeno [1,2,3-cd] pyrene	20.32	20	102%	OK
Dibenz [a,h] anthracene	22.10	20	111%	OK
Benzo(g,h,i) perylene	22.94	20	115%	OK

8/6/10

D8910

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010

N1080510

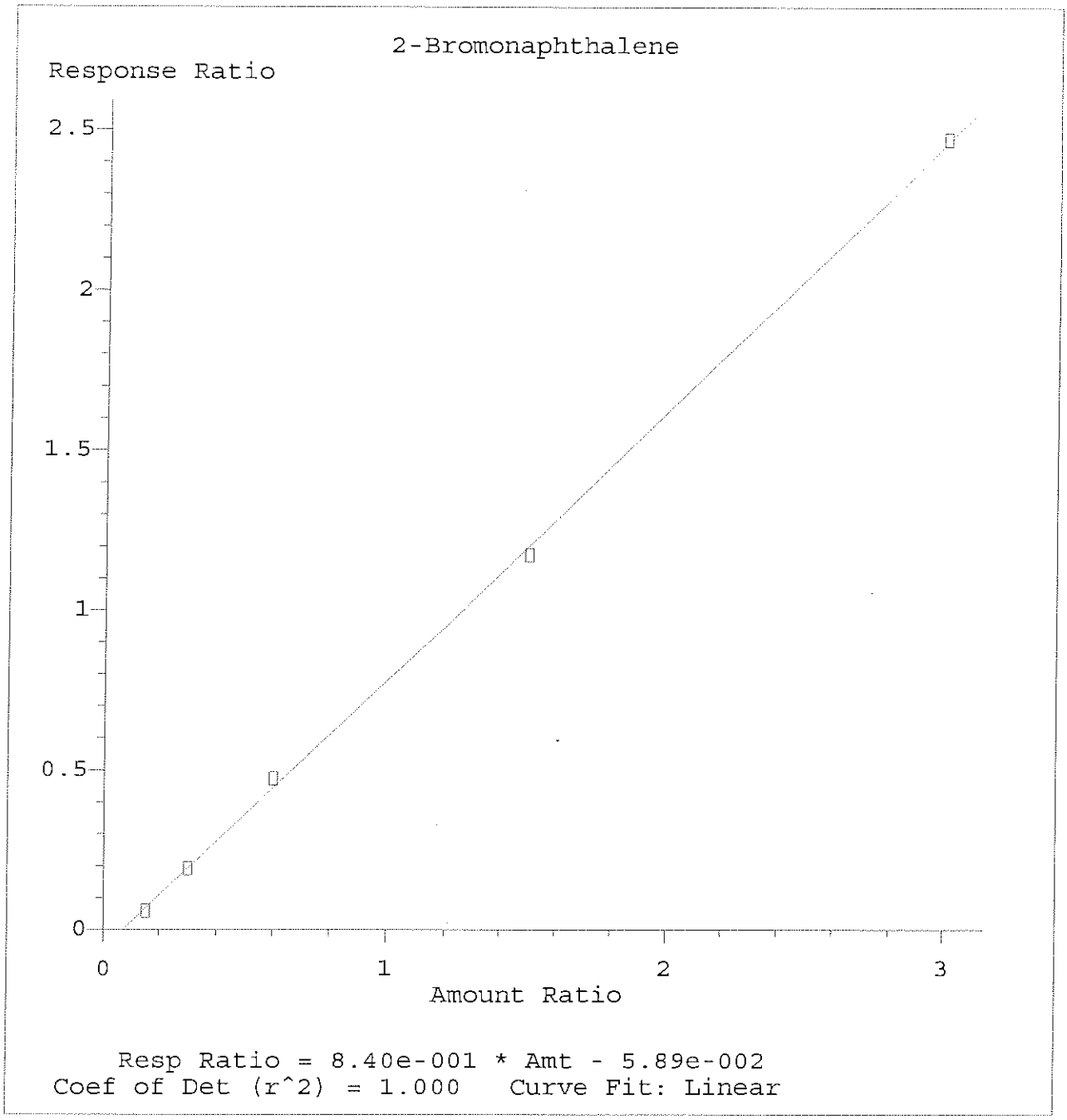
Calibration Files
2 =D71454SI.D 5 =D71455SI.D 10 =D71456SI.D
20 =D71457SI.D 50 =D71458SI.D 100 =D71459SI.D

		Compound	2	5	10	20	50	100	Avg		%RSI
1)	I	5-alpha-Androstane	----------	----------	----------	ISTD	----------	----------	----------		
2)	TZ	Naphthalene	1.010	1.076	1.056	1.046	1.104	1.173	1.077	0	5.2
3)	TZ	2-Methylnaphthalene	1.004	1.010	1.043	1.027	1.082	1.088	1.042	0	3.4
4)	TZ	Acenaphthylene	0.939	0.946	0.990	0.995	1.017	1.029	0.986	0	3.7
5)	TZ	Acenaphthene	1.282	1.228	1.176	1.150	1.116	1.112	1.177	0	5.6
6)	TZ	Fluorene	0.909	0.933	0.933	0.972	0.997	0.991	0.956	0	3.7
7)	TZ	Phenanthrene	0.869	0.968	1.002	0.976	1.049	1.030	0.982	0	6.5
8)	TZ	Anthracene	0.898	1.009	1.039	0.998	1.047	0.991	0.997	0	5.3
9)	S	2-Fluorobiphenyl	—	0.934	0.957	0.978	1.013	1.053	0.987	0	4.7
10)	S	2-Bromonaphthalene	—	0.396	0.639	0.790	0.782	0.824	0.686	0	25.7
11)	S	o-terphenyl	—	0.912	0.920	0.914	0.948	0.989	0.937	0	3.4
12)	TZ	Fluoranthene	0.939	0.958	0.937	0.951	1.014	1.013	0.969	0	3.6
13)	TZ	Pyrene	0.947	0.972	0.990	1.010	1.028	1.021	0.995	0	3.1
14)	TZ	Benzo[a]anthracene	0.676	0.747	0.781	0.845	0.927	0.925	0.817	0	12.3
15)	TZ	Chrysene	0.847	0.902	0.906	0.959	0.990	0.970	0.929	0	5.7
16)	TZ	Benzo[b] fluoranthe	0.543	0.598	0.639	0.694	0.770	0.782	0.671	0	14.2
[illegible])	TZ	Benzo[k] fluoranthe	0.702	0.751	0.761	0.804	0.827	0.811	0.776	0	6.0
[illegible])	TZ	Benzo[a] pyrene	0.517	0.592	0.663	0.712	0.752	0.765	0.667	0	14.5
19)	TZ	Indeno [1,2,3-cd] p	0.318	0.413	0.475	0.552	0.606	0.562	0.488	0	22.1
20)	TZ	Dibenz [a,h] anthra	0.552	0.650	0.708	0.746	0.695	0.691	0.673	0	9.9
21)	TZ	Benzo(g,h,i) peryl	0.506	0.600	0.638	0.715	0.651	0.572	0.614	0	11.6
22)	XH	c11-c22	0.792	0.844	0.867	0.891	0.922	0.913	0.872	0	5.5

8/5/10

(#) = Out of Range

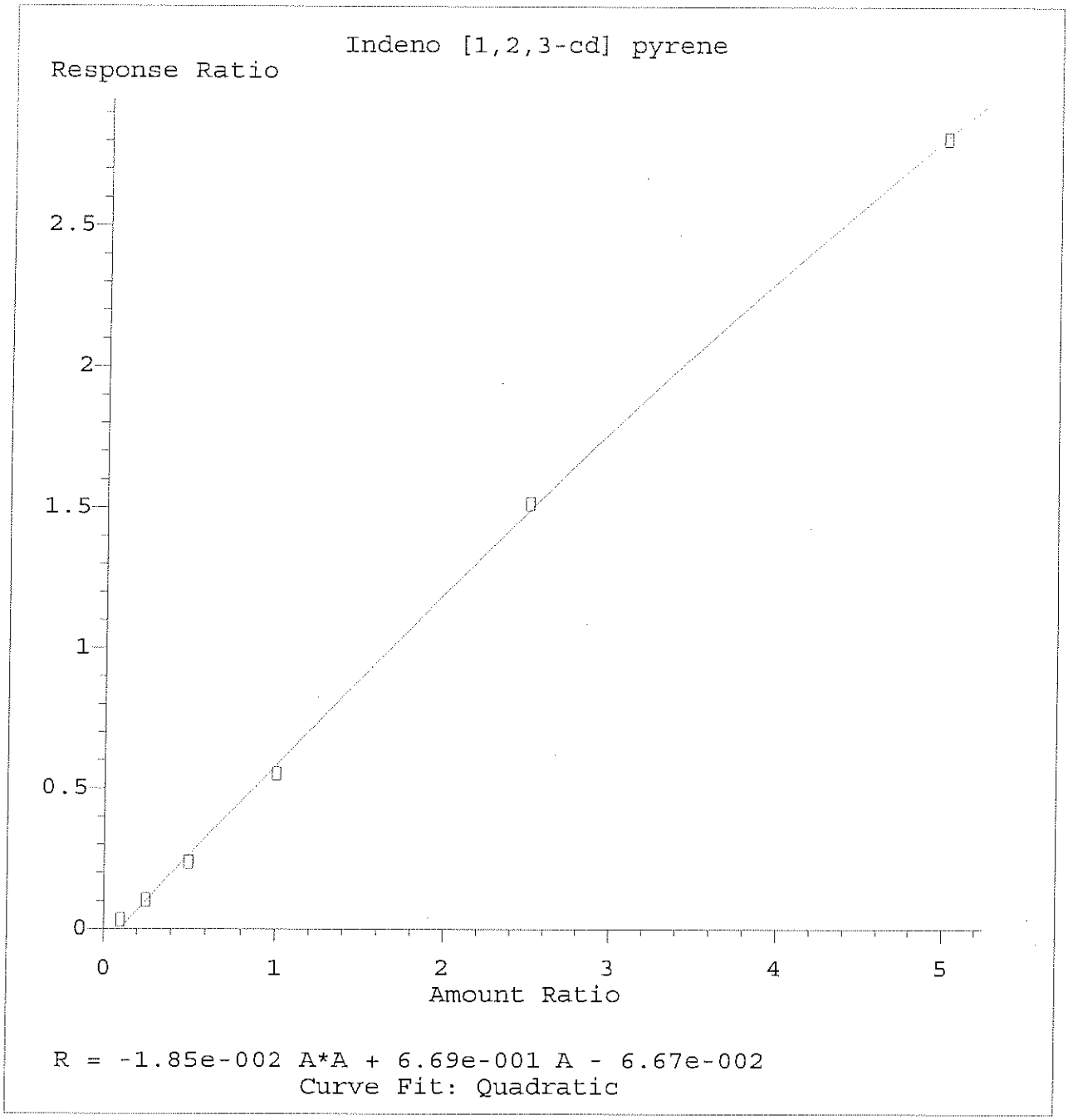
W1080510



Method Name: D:\HPCHEM\1\METHODS\ARG80410.M
Calibration Table Last Updated: Thu Aug 05 10:32:35 2010

JM 8/5/10

NR080510



Method Name: D:\HPCHEM\1\METHODS\ARG80410.M
Calibration Table Last Updated: Thu Aug 05 10:34:13 2010

✓ DR 8/5/10

GC AROMATIC
2ND SOURCE
CHECK

Data File Name D71460.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/5/2010 8:53

8/6/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.60	20	108%	OK	21.60		
2-Methylnaphthalene	21.89	20	109%	OK	21.89		
Acenaphthylene	21.51	20	108%	OK	21.51		
Acenaphthene	20.46	20	102%	OK	20.46		
Fluorene	21.82	20	109%	OK	21.82		
Phenanthrene	21.50	20	108%	OK	21.50		
Anthracene	22.09	20	110%	OK	22.09		
Fluoranthene	21.39	20	107%	OK	21.39		
Pyrene	21.75	20	109%	OK	21.75		
Benzo[a]anthracene	19.96	20	100%	OK	19.96		
Chrysene	22.62	20	113%	OK	22.62		
Benzo[b] fluoranthene	19.97	20	100%	OK	19.97		
Benzo[k] fluoranthene	21.06	20	105%	OK	21.06		
Benzo[a] pyrene	22.21	20	111%	OK	22.21		
Indeno [1,2,3-cd] pyrene	20.83	20	104%	OK	20.83		
Dibenz [a,h] anthracene	23.74	20	119%	OK	23.74		
Benzo(g,h,i) perylene	22.43	20	112%	OK	22.43		
c11-c22		340			**366.84**	108%	OK

28910

8/6/10 12:51 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ARGICVSUMPRCT.CRT

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
Standard ID: S10042 ALI 40
Data File ID: D71583SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	43.6	9.0	
C-10	41.3	3.3	
C-12	41.0	2.5	
C-14	39.5	1.4	
C-16	39.5	1.3	
C-18	40.2	0.4	
C-19	39.9	0.3	
C-20	39.8	0.5	
1-Chlorooctadecane	16.3	2.0	
C-22	40.6	1.6	
C-24	38.1	4.8	
C-26	37.4	6.5	
C-28	39.5	1.4	
C-30	40.5	1.4	
C-36	39.8	0.4	

C9-C18 Aliphatics	245.0	2.1	
C19-C36 Aliphatics	315.6	1.4	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
Standard ID: S10041 ARO 20
Data File ID: D71584SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	22.0	10.2	
2-Methylnaphthalene	21.2	5.9	
Acenaphthylene	21.6	7.9	
Acenaphthene	20.9	4.5	
Fluorene	21.7	8.6	
Phenanthrene	22.9	14.7	
Anthracene	21.9	9.4	
2-Fluorobiphenyl	13.1	9.0	
2-Bromonaphthalene	13.6	13.1	
o-terphenyl	9.4	17.7	
Fluoranthene	21.9	9.4	
Pyrene	22.1	10.3	
Benzo[a]anthracene	22.0	10.2	
Chrysene	21.0	5.1	
Benzo[b] fluoranthene	20.8	3.9	
Benzo[k] fluoranthene	21.6	8.1	
Benzo[a] pyrene	21.1	5.7	
Indeno [1,2,3-cd] pyrene	21.6	8.2	
Dibenz [a,h] anthracene	21.3	6.5	
Benzo(g,h,i) perylene	22.7	13.4	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71600SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.8	5.4	
C-10	39.2	1.9	
C-12	37.5	6.2	
C-14	37.6	5.9	
C-16	38.3	4.4	
C-18	37.1	7.3	
C-19	38.1	4.8	
C-20	38.2	4.4	
1-Chlorooctadecane	15.8	1.1	
C-22	36.5	8.6	
C-24	36.8	8.1	
C-26	38.3	4.3	
C-28	37.8	5.6	
C-30	40.6	1.4	
C-36	43.8	9.5	

C9-C18 Aliphatics	227.6	5.2	
C19-C36 Aliphatics	310.0	3.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
Standard ID: S10041 ARO 20
Data File ID: D71601SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	22.1	10.6	
2-Methylnaphthalene	21.2	6.0	
Acenaphthylene	22.1	10.7	
Acenaphthene	21.3	6.7	
Fluorene	22.3	11.6	
Phenanthrene	22.6	12.8	
Anthracene	22.0	9.8	
2-Fluorobiphenyl	12.9	7.6	
2-Bromonaphthalene	13.1	8.9	
o-terphenyl	9.3	15.8	
Fluoranthene	21.4	6.8	
Pyrene	22.7	13.7	
Benzo[a]anthracene	22.1	10.5	
Chrysene	21.4	7.0	
Benzo[b] fluoranthene	20.9	4.5	
Benzo[k] fluoranthene	22.6	12.8	
Benzo[a] pyrene	20.5	2.4	
Indeno [1,2,3-cd] pyrene	22.5	12.6	
Dibenz [a,h] anthracene	22.6	13.2	
Benzo(g,h,i) perylene	22.4	12.0	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71602SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.4	1.1	
C-10	41.0	2.6	
C-12	39.7	0.9	
C-14	37.8	5.6	
C-16	38.5	3.8	
C-18	38.9	2.6	
C-19	38.7	3.3	
C-20	38.8	3.0	
1-Chlorooctadecane	15.7	1.8	
C-22	39.5	1.2	
C-24	36.4	9.0	
C-26	37.9	5.4	
C-28	38.5	3.6	
C-30	39.3	1.8	
C-36	42.7	6.8	

C9-C18 Aliphatics	236.3	1.5	
C19-C36 Aliphatics	311.8	2.6	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
Standard ID: S10041 ARO 20
Data File ID: D71603SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.1	5.5	
2-Methylnaphthalene	20.5	2.5	
Acenaphthylene	21.6	7.9	
Acenaphthene	21.2	6.0	
Fluorene	21.3	6.6	
Phenanthrene	22.2	10.8	
Anthracene	22.0	9.9	
2-Fluorobiphenyl	12.6	5.1	
2-Bromonaphthalene	13.3	10.7	
o-terphenyl	9.2	15.6	
Fluoranthene	21.6	8.0	
Pyrene	22.6	12.9	
Benzo[a]anthracene	21.5	7.7	
Chrysene	21.0	4.9	
Benzo[b] fluoranthene	20.1	0.6	
Benzo[k] fluoranthene	21.0	4.9	
Benzo[a] pyrene	21.6	8.0	
Indeno [1,2,3-cd] pyrene	21.7	8.7	
Dibenz [a,h] anthracene	22.3	11.6	
Benzo(g,h,i) perylene	22.2	10.8	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71606SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	39.6	1.1	
C-10	38.9	2.9	
C-12	38.4	4.0	
C-14	37.1	7.3	
C-16	37.8	5.4	
C-18	38.0	5.1	
C-19	37.4	6.6	
C-20	37.2	6.9	
1-Chlorooctadecane	15.7	2.1	
C-22	36.1	9.7	
C-24	36.1	9.8	
C-26	36.9	7.6	
C-28	37.0	7.5	
C-30	38.4	3.9	
C-36	41.0	2.4	

C9-C18 Aliphatics	229.7	4.3	
C19-C36 Aliphatics	300.2	6.2	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
Standard ID: S10041 ARO 20
Data File ID: D71607SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.7	8.5	
2-Methylnaphthalene	21.5	7.6	
Acenaphthylene	21.3	6.6	
Acenaphthene	21.1	5.4	
Fluorene	22.0	9.8	
Phenanthrene	22.4	11.9	
Anthracene	22.3	11.5	
2-Fluorobiphenyl	13.3	10.5	
2-Bromonaphthalene	13.5	12.3	
o-terphenyl	9.2	15.4	
Fluoranthene	23.1	15.5	
Pyrene	22.7	13.3	
Benzo[a]anthracene	22.8	14.2	
Chrysene	22.2	10.9	
Benzo[b] fluoranthene	21.4	6.8	
Benzo[k] fluoranthene	21.3	6.3	
Benzo[a] pyrene	21.7	8.5	
Indeno [1,2,3-cd] pyrene	22.2	10.9	
Dibenz [a,h] anthracene	22.6	13.1	
Benzo(g,h,i) perylene	21.7	8.5	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
Standard ID: S10042 ALI 40
Data File ID: D71625SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	38.9	2.7	
C-10	39.5	1.3	
C-12	38.2	4.6	
C-14	37.0	7.4	
C-16	37.6	5.9	
C-18	37.1	7.2	
C-19	37.8	5.5	
C-20	38.5	3.7	
1-Chlorooctadecane	16.0	0.3	
C-22	36.1	9.8	
C-24	36.6	8.4	
C-26	38.9	2.8	
C-28	37.6	6.0	
C-30	40.2	0.6	
C-36	43.1	7.8	

C9-C18 Aliphatics	228.4	4.9	
C19-C36 Aliphatics	308.9	3.5	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
Standard ID: S10041 ARO 20
Data File ID: D71626SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.4	7.1	
2-Methylnaphthalene	21.1	5.7	
Acenaphthylene	20.7	3.3	
Acenaphthene	20.8	3.9	
Fluorene	20.8	4.1	
Phenanthrene	21.4	7.2	
Anthracene	21.2	6.0	
2-Fluorobiphenyl	12.9	7.2	
2-Bromonaphthalene	13.0	8.2	
o-terphenyl	8.9	11.0	
Fluoranthene	21.4	6.8	
Pyrene	21.4	7.2	
Benzo[a]anthracene	22.0	9.9	
Chrysene	20.2	0.8	
Benzo[b] fluoranthene	21.1	5.3	
Benzo[k] fluoranthene	21.2	6.1	
Benzo[a] pyrene	21.5	7.3	
Indeno [1,2,3-cd] pyrene	22.0	10.2	
Dibenz [a,h] anthracene	22.1	10.5	
Benzo(g,h,i) perylene	22.0	10.0	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71627SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	41.5	3.7	
C-10	41.4	3.5	
C-12	39.5	1.2	
C-14	38.6	3.5	
C-16	39.7	0.7	
C-18	38.9	2.6	
C-19	39.3	1.9	
C-20	38.7	3.2	
1-Chlorooctadecane	16.4	2.4	
C-22	36.8	7.9	
C-24	36.7	8.2	
C-26	38.0	5.0	
C-28	38.9	2.7	
C-30	40.3	0.8	
C-36	41.5	3.8	

C9-C18 Aliphatics	239.6	0.2	
C19-C36 Aliphatics	310.3	3.0	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: D71628SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.0	5.0	
2-Methylnaphthalene	19.9	0.3	
Acenaphthylene	20.4	2.1	
Acenaphthene	20.7	3.4	
Fluorene	20.9	4.5	
Phenanthrene	21.6	7.9	
Anthracene	20.8	4.1	
2-Fluorobiphenyl	12.6	5.3	
2-Bromonaphthalene	13.1	9.0	
o-terphenyl	8.6	7.9	
Fluoranthene	21.3	6.5	
Pyrene	21.3	6.5	
Benzo[a]anthracene	22.3	11.7	
Chrysene	20.7	3.6	
Benzo[b] fluoranthene	20.2	1.2	
Benzo[k] fluoranthene	21.5	7.3	
Benzo[a] pyrene	20.5	2.4	
Indeno [1,2,3-cd] pyrene	20.8	4.1	
Dibenz [a,h] anthracene	21.5	7.7	
Benzo(g,h,i) perylene	21.3	6.7	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67722
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	6995120		11.02	
Upper Limit	13990240		11.08	
Lower limit	3497560		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9700 ALI 5	6392680		11.02	
S9701 ALI 10	6336220		11.02	
S9702 ALI 20	7097680		11.02	
S9704 ALI 50	6719900		11.02	
S9705 ALI 100	6944560		11.02	
S9715 ALI 20 ICV	6985250		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	39978		11.02	
Upper Limit	79956		11.08	
Lower limit	19989		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	39531		11.01	
S9707 ARO 5	38539		11.02	
S9708 ARO 10	37361		11.02	
S9937 ARO 20	39978		11.02	
S9710 ARO 50	35122		11.02	
S9711 ARO 100	33554		11.02	
S9716 ARO 20 ICV	30229		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67743
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	6995120		11.02	
Upper Limit	13990240		11.08	
Lower limit	3497560		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9700 ALI 5	6392680		11.02	
S9701 ALI 10	6336220		11.02	
S9702 ALI 20	7097680		11.02	
S9704 ALI 50	6719900		11.02	
S9705 ALI 100	6944560		11.02	
S9715 ALI 20 ICV	6985250		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	5486580		10.80	
Upper Limit	10973160		10.86	
Lower limit	2743290		10.74	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	5854950		10.79	
B090910EASE	5519860		10.79	
L090910EASE	5370290		10.79	
LD090910EASE	5600070		10.79	
67722-1	6600170		10.80	
67722-2	5983110		10.79	
67722-3	7088580		10.80	
67722-4	6918830		10.80	
S10042 ALI 40	6225380		10.79	
S10042 ALI 40	5911010		10.79	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67722
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	30887		10.79	
Upper Limit	61774		10.85	
Lower limit	15444		10.73	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	30874		10.79	
B090910EASE	30441		10.79	
L090910EASE	30346		10.79	
LD090910EASE	31454		10.79	
67722-1	31732		10.79	
67722-2	31879		10.79	
67722-3	30683		10.79	
67722-4	30327		10.79	
S10041 ARO 20	33103		10.79	
S10041 ARO 20	33189		10.79	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67722
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	5779390		10.79	
Upper Limit	11558780		10.85	
Lower limit	2889695		10.73	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	5715550		10.79	
B090910EASE,,RR	5671010		10.79	
67722-1	5369430		10.79	
67722-2	5656960		10.79	
67722-3	5483670		10.79	
67722-4	5638290		10.79	
67722-2,MS	5996990		10.79	
67722-2,MSD	6109150		10.79	
S10042 ALI 40	6277490		10.79	
S10042 ALI 40	5965630		10.79	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67722
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	32176		10.79	
Upper Limit	64352		10.85	
Lower limit	16088		10.73	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	30167		10.78	
B090910EASE,,RR	26611		10.79	
67722-3	27873		10.79	
67722-4	29342		10.78	
67722-2,MS	32380		10.78	
67722-2,MSD	31374		10.78	
S10041 ARO 20	34936		10.78	
S10041 ARO 20	35328		10.78	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-61109-1

SDG Number: 67722

Job Description: South Weymouth B82

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
9/14/2010 6:04 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
09/14/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

TestAmerica Laboratories, Inc.
TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SAV	SW846 7471B	
Preparation, Mercury	TAL SAV		SW846 7471B

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Method	Analyst	Analyst ID
SW846 6010C	Bland, Brian	BCB
SW846 7471B	Eaton, Cliff	CE

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-61109-1	IV-B82-GTM1-01	Solid	09/08/2010 1500	09/10/2010 1010
680-61109-2	IV-B82-GTM2-01	Solid	09/09/2010 1000	09/10/2010 1010
680-61109-2MS	IV-B82-GTM2-01	Solid	09/09/2010 1000	09/10/2010 1010
680-61109-2MSD	IV-B82-GTM2-01	Solid	09/09/2010 1000	09/10/2010 1010
680-61109-3	IV-B82-GTM3-01	Solid	09/09/2010 1400	09/10/2010 1010
680-61109-4	IV-B82-GTM3-11	Solid	09/09/2010 1400	09/10/2010 1010

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Client Sample ID: **IV-B82-GTM1-01**

Lab Sample ID: 680-61109-1
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 09/08/2010 1500
Date Received: 09/10/2010 1010

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-179911		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-179614		Lab File ID:	61109.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	09/11/2010 0233			Final Weight/Volume:	100 mL
Date Prepared:	09/10/2010 1155				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4500		11	22
Antimony		0.59	U	0.59	2.2
Selenium		1.1	U	1.1	2.8
Nickel		5.5		0.34	4.4
Lead		4.8		0.59	1.1
Magnesium		1900		2.7	55
Iron		7600		7.7	22
Manganese		110		0.33	1.1
Potassium		380		8.8	110
Chromium		7.4		0.55	1.1
Copper		5.9		1.2	2.8
Barium		16		0.33	1.1
Beryllium		0.37	J	0.022	0.44
Silver		0.11	U	0.11	1.1
Arsenic		1.2	J	0.65	2.2
Cadmium		0.11	U	0.11	0.55
Calcium		1100		22	55
Cobalt		3.4		0.13	1.1
Sodium		91	U	91	220
Thallium		1.1	U	1.1	2.8
Vanadium		11		0.27	1.1
Zinc		29		1.3	2.2

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-179917		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-179745		Lab File ID:	b091410.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	09/14/2010 1729			Final Weight/Volume:	50 mL
Date Prepared:	09/13/2010 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0090	U	0.0090	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Client Sample ID: **IV-B82-GTM2-01**

Lab Sample ID: 680-61109-2
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/09/2010 1000
Date Received: 09/10/2010 1010

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-179911		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-179614		Lab File ID:	61109.chr
Dilution:	1.0			Initial Weight/Volume:	1.09 g
Date Analyzed:	09/11/2010 0239			Final Weight/Volume:	100 mL
Date Prepared:	09/10/2010 1155				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5900	J	10	20
Antimony		0.54	U	0.54	2.0
Selenium		1.0	U	1.0	2.5
Nickel		7.0		0.31	4.1
Lead		12		0.54	1.0
Magnesium		2600	J	2.4	51
Iron		11000	J	7.1	20
Manganese		160		0.30	1.0
Potassium		380		8.1	100
Chromium		12		0.51	1.0
Copper		10		1.1	2.5
Barium		15		0.30	1.0
Beryllium		0.32	J	0.020	0.41
Silver		0.097	U	0.097	1.0
Arsenic		1.3	J	0.60	2.0
Cadmium		2.7		0.10	0.51
Calcium		2700	J	20	51
Cobalt		3.4		0.12	1.0
Sodium		83	U	83	200
Thallium		1.0	U	1.0	2.5
Vanadium		13		0.24	1.0
Zinc		170	J	1.2	2.0

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-179917		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-179745		Lab File ID:	b091410.chr
Dilution:	1.0			Initial Weight/Volume:	0.50 g
Date Analyzed:	09/14/2010 1732			Final Weight/Volume:	50 mL
Date Prepared:	09/13/2010 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.056	J	0.0091	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Client Sample ID: **IV-B82-GTM3-01**

Lab Sample ID: 680-61109-3
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 09/09/2010 1400
Date Received: 09/10/2010 1010

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-179911		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-179614		Lab File ID:	61109.chr
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Date Analyzed:	09/11/2010 0306			Final Weight/Volume:	100 mL
Date Prepared:	09/10/2010 1155				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4600		10	20
Antimony		0.53	U	0.53	2.0
Selenium		1.0	U	1.0	2.5
Nickel		4.2		0.31	4.0
Lead		16		0.53	1.0
Magnesium		2200		2.4	50
Iron		8300		7.0	20
Manganese		110		0.30	1.0
Potassium		280		8.0	100
Chromium		11		0.50	1.0
Copper		5.4		1.1	2.5
Barium		13		0.30	1.0
Beryllium		0.46		0.020	0.40
Silver		0.096	U	0.096	1.0
Arsenic		0.96	J	0.59	2.0
Cadmium		0.40	J	0.10	0.50
Calcium		2700		20	50
Cobalt		2.8		0.12	1.0
Sodium		82	U	82	200
Thallium		0.99	U	0.99	2.5
Vanadium		12		0.24	1.0
Zinc		24		1.2	2.0

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-179917		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-179745		Lab File ID:	b091410.chr
Dilution:	1.0			Initial Weight/Volume:	0.53 g
Date Analyzed:	09/14/2010 1741			Final Weight/Volume:	50 mL
Date Prepared:	09/13/2010 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0085	U	0.0085	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Client Sample ID: **IV-B82-GTM3-11**

Lab Sample ID: 680-61109-4
Client Matrix: Solid
% Moisture: 8.1

Date Sampled: 09/09/2010 1400
Date Received: 09/10/2010 1010

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-179911		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-179614		Lab File ID:	61109.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	09/11/2010 0311			Final Weight/Volume:	100 mL
Date Prepared:	09/10/2010 1155				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3600		11	21
Antimony		0.56	U	0.56	2.1
Selenium		1.1	U	1.1	2.6
Nickel		3.6	J	0.33	4.2
Lead		13		0.56	1.1
Magnesium		1300		2.5	53
Iron		6800		7.4	21
Manganese		95		0.32	1.1
Potassium		380		8.5	110
Chromium		5.1		0.53	1.1
Copper		4.7		1.2	2.6
Barium		14		0.32	1.1
Beryllium		0.43		0.021	0.42
Silver		0.10	U	0.10	1.1
Arsenic		1.1	J	0.62	2.1
Cadmium		0.33	J	0.11	0.53
Calcium		910		21	53
Cobalt		2.3		0.13	1.1
Sodium		87	U	87	210
Thallium		1.0	U	1.0	2.6
Vanadium		8.6		0.25	1.1
Zinc		23		1.3	2.1

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-179917		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-179745		Lab File ID:	b091410.chr
Dilution:	1.0			Initial Weight/Volume:	0.51 g
Date Analyzed:	09/14/2010 1744			Final Weight/Volume:	50 mL
Date Prepared:	09/13/2010 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0087	U	0.0087	0.021

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	U	Undetected at the Limit of Detection.

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Method Blank - Batch: 680-179614

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 680-179614/7-A	Analysis Batch:	680-179911	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-179614	Lab File ID:	61109.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	09/11/2010 0223			Final Weight/Volume:	100 mL
Date Prepared:	09/10/2010 1155				

Analyte	Result	Qual	MDL	RL
Aluminum	10	U	10	20
Antimony	0.53	U	0.53	2.0
Selenium	1.0	U	1.0	2.5
Nickel	0.31	U	0.31	4.0
Lead	0.53	U	0.53	1.0
Magnesium	2.4	U	2.4	50
Iron	7.0	U	7.0	20
Manganese	0.30	U	0.30	1.0
Potassium	8.0	U	8.0	100
Chromium	0.50	U	0.50	1.0
Copper	1.1	U	1.1	2.5
Barium	0.30	U	0.30	1.0
Beryllium	0.020	U	0.020	0.40
Silver	0.096	U	0.096	1.0
Arsenic	0.59	U	0.59	2.0
Cadmium	0.10	U	0.10	0.50
Calcium	20	U	20	50
Cobalt	0.12	U	0.12	1.0
Sodium	82	U	82	200
Thallium	0.99	U	0.99	2.5
Vanadium	0.24	U	0.24	1.0
Zinc	1.2	U	1.2	2.0

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Lab Control Sample - Batch: 680-179614

Method: 6010C
Preparation: 3050B

Lab Sample ID: LCS 680-179614/8-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/11/2010 0228
Date Prepared: 09/10/2010 1155

Analysis Batch: 680-179911
Prep Batch: 680-179614
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 61109.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	215	107	75 - 125	
Antimony	50.0	52.8	106	75 - 125	
Selenium	200	210	105	75 - 125	
Nickel	50.0	53.5	107	75 - 125	
Lead	50.0	52.6	105	75 - 125	
Magnesium	500	532	106	75 - 125	
Iron	100	111	111	75 - 125	
Manganese	50.0	54.0	108	75 - 125	
Potassium	500	532	106	75 - 125	
Chromium	20.0	21.4	107	75 - 125	
Copper	25.0	27.1	108	75 - 125	
Barium	200	222	111	75 - 125	
Beryllium	5.00	5.26	105	75 - 125	
Silver	5.00	5.33	107	75 - 125	
Arsenic	200	211	105	75 - 125	
Cadmium	5.00	5.25	105	75 - 125	
Calcium	500	530	106	75 - 125	
Cobalt	50.0	53.6	107	75 - 125	
Sodium	500	534	107	75 - 125	
Thallium	200	217	108	75 - 125	
Vanadium	50.0	53.2	106	75 - 125	
Zinc	50.0	53.3	107	75 - 125	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-179614

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-61109-2	Analysis Batch: 680-179911	Instrument ID: ICPD
Client Matrix:	Solid	Prep Batch: 680-179614	Lab File ID: 61109.chr
Dilution:	1.0		Initial Weight/Volume: 1.09 g
Date Analyzed:	09/11/2010 0255		Final Weight/Volume: 100 mL
Date Prepared:	09/10/2010 1155		

MSD Lab Sample ID:	680-61109-2	Analysis Batch: 680-179911	Instrument ID: ICPD
Client Matrix:	Solid	Prep Batch: 680-179614	Lab File ID: 61109.chr
Dilution:	1.0		Initial Weight/Volume: 1.09 g
Date Analyzed:	09/11/2010 0300		Final Weight/Volume: 100 mL
Date Prepared:	09/10/2010 1155		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	-221	26	75 - 125	9	20	4	4
Antimony	100	100	75 - 125	4	20		
Selenium	101	102	75 - 125	2	20		
Nickel	98	101	75 - 125	1	20		
Lead	96	101	75 - 125	1	20		
Magnesium	43	62	75 - 125	3	20	4	4
Iron	-2310	-1420	75 - 125	11	20	4	4
Manganese	83	99	75 - 125	3	20		
Potassium	97	104	75 - 125	2	20		
Chromium	75	78	75 - 125	1	20		
Copper	99	105	75 - 125	1	20		
Barium	106	108	75 - 125	1	20		
Beryllium	102	103	75 - 125	2	20		
Silver	102	103	75 - 125	3	20		
Arsenic	101	102	75 - 125	2	20		
Cadmium	89	95	75 - 125	2	20		
Calcium	139	178	75 - 125	5	20	4	4
Cobalt	101	103	75 - 125	1	20		
Sodium	108	111	75 - 125	1	20		
Thallium	103	105	75 - 125	2	20		
Vanadium	97	102	75 - 125	1	20		
Zinc	13	51	75 - 125	10	20	J	J

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Method Blank - Batch: 680-179745

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 680-179745/1-A	Analysis Batch:	680-179917	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-179745	Lab File ID:	b091410.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.53 g
Date Analyzed:	09/14/2010 1723			Final Weight/Volume:	50 mL
Date Prepared:	09/13/2010 1305				

Analyte	Result	Qual	MDL	RL
Hg	0.0077	U	0.0077	0.019

Lab Control Sample - Batch: 680-179745

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCS 680-179745/2-A	Analysis Batch:	680-179917	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-179745	Lab File ID:	b091410.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.53 g
Date Analyzed:	09/14/2010 1727			Final Weight/Volume:	50 mL
Date Prepared:	09/13/2010 1305				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.236	0.214	91	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-179745

Method: 7471B
Preparation: 7471B

MS Lab Sample ID:	680-61109-2	Analysis Batch:	680-179917	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-179745	Lab File ID:	b091410.chr
Dilution:	1.0			Initial Weight/Volume:	0.54 g
Date Analyzed:	09/14/2010 1735			Final Weight/Volume:	50 mL
Date Prepared:	09/13/2010 1305				

MSD Lab Sample ID:	680-61109-2	Analysis Batch:	680-179917	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-179745	Lab File ID:	b091410.chr
Dilution:	1.0			Initial Weight/Volume:	0.54 g
Date Analyzed:	09/14/2010 1738			Final Weight/Volume:	50 mL
Date Prepared:	09/13/2010 1305				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hg	78	98	80 - 120	13	20	J	

Chain Of Custody Form

TA-GA

Analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: Proj. Name:
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 67722 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
TV-B82-GTM1-01	9/8/10	1500	TAL Metals		X						S	1	G		67722-1
TV-B82-GTM2-01	9/9/10	1000			X						S	3	G		-2
TV-B82-GTM3-01	9/9/10	1400			X						S	1	G		-3
TV-B82-GTM3-11	9/9/10	1400			X						S	1	G		-4

Preservation

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
24hr* 48hr* 72hr* 5 Days*
*Fee may apply; lab approval required

Comments / Instructions:
*MS/MSD required
Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered
9/14/10

Project Requirements:
*Fee may apply

Report Type:
MCP* Level II*
CTRCP* Level III*
DOD* Level IV*
Standard

State:
NH
MA
ME
CT
RI
Other:

State Standard:
(eg. S-1 or GW-1)

EDD Required Y* N
Type: TetraTech

Relinquished By Sampler: Date: Time:
Received By: UPS Date: 9/9/10 Time: 1720
Relinquished By: Date: Time:
Received By: Date: 9/10/10 Time: 1010
Relinquished By: UPS

Page 1 of 1

Analytics\AEL Documents\AEL COC

3.6°C
680-61109

EXTRACTION
LOGBOOK PAGES

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 09/10/10

Initials: SMC

EXTRACT TRANSFER SHEET

Extractable Petroleum

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
67659-1	EPHASE	09/09/10	Solid		15.39	2.0	89.47	
67659-2	EPHASE	09/09/10	Solid		15.39	2.0	84.04	
67722-1	EPHASE	09/09/10	Solid		15.30	2.0		
67722-2	EPHASE	09/09/10	Solid		15.43	2.0		
67722-3	EPHASE	09/09/10	Solid		15.57	2.0		
67722-4	EPHASE	09/09/10	Solid		15.69	2.0		

JLL 9.9.10

EB 9.13.10

Extractable Petroleum Hydrocarbons Solid Preparation Logbook

Circle Method Reference: ~~SW-846~~ 3550B Sonication
~~SW-846~~ 3545 Accelerated Solvent Extraction (ASE)
~~MADEP~~ -98-EPH

Date: 9.9.10 Time: 810 pm
Initials: SL

QC Batch ID: Q-P-090110-1-SC
Prep. Batch ID: P-P-090910-1-SC

Sample #	Matrix	Weight (g)	1 mL Surrogate	2 mL Spike	Cook Down Date	Turbo Vap# (10mL)	3 mL Frac. Sur	F.V Before Frac.in C6	Volumetric Serial #	Ali. Vol. C6	Volumetric Serial #	Aro. Vol. MeCl2	Volumetric Serial #	Fractiontion Date	Turbo Vap # ALI (1mL)	ARO
B090910ease	Na2SO4	15.00	1.0	—	9.10.10	~~4003~~ su 9.10.10	1.0	10mL	4008	1.0mL	471	1.0mL	1710	9.10.10	4	2
L090910ease	Sand	15.46	1.0	1.0	su		1.0							su		
LD090910ease	↓	15.80	1.0	1.0			1.0									
67659-1	clay soil	15.39	1.0	—			1.0									
↓ -2	Clay mud	15.39	1.0	—			1.0									
67722-1	wet soil/rocks	15.30	1.0	—			1.0									
-2		15.43	1.0	—			1.0									
-2, ms		15.20	1.0	1.0			1.0									
-2, msD		15.45	1.0	1.0			1.0									
-3		15.57	1.0	—			1.0									
-4		15.69	1.0	—			1.0									

su 9.10.10

AEL_Documents:_TopLevelOldServer:AEL Documents LLC:logbooks:PREP LOGBOOKS.xls

✓ EB 9.13.10

Rev 2 10/09/09

	Lot #	Exp. Date
MeCl2:	J04S00	4.30.11
1:1 Acetone/MeCl2:	—	—
Silica Sand:	F161203SP	1.13.15
Na2SO4 :	E0310	5.21.15
Silica Gel :	D2010	7.21.15
Hexane (C6):	1005313	9.1.15

	Lot #	Exp. Date	Syringe #
1 EPH Surrogate (40 ug/mL):	S10075	3.9.11	PS-046
2 EPH Spike (50 ug/mL):	S10013	2.12.11	not recorded @ 9.10.10
3 Fractionation Sur (40 ug/mL):	S10021	2.16.11	PS-046

Balance : Sc1-1

ASE: Ase-2

Sonicator: NA

Oven temp: 175°C
5mL Syr: PS-049
EPH Rept-3

Extractable Petroleum Hydrocarbons Solid Preparation Logbook

Circle Method Reference: SW-846 3550B Sonication

VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

SAMPLE DATA

Lab Sample ID: MB09130C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94	%	d8-Toluene	95	%	Bromofluorobenzen	96	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76184B.D Vial: 13
Acq On : 13 Sep 2010 1:27 pm Operator: MT
Sample : MB09130C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:19 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10
*Added Surr Surr to 10mL MeOH in vial

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	214534	20.00	ug/L	0.01
39) 1,4-Difluorobenzene	8.58	114	431747 ✓	20.00	ug/L	0.01
63) *d5-Chlorobenzene	13.11	117	378639	20.00	ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	163899	20.00	ug/L	0.01

System Monitoring Compounds						
28) DB Holder #28	7.97	65	76216	9.35	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~46.75%#~~ 94%		
36) d4-1,2-Dichloroethane	7.97	65	76216	9.35	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~46.75%#~~ 94%		
54) d8-Toluene	10.84	98	226910	9.53	ug/L	0.01 *
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~47.65%#~~ 95%		
73) Bromofluorobenzene	14.99	95	85362	9.58	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~47.90%#~~ 96%		

Target Compounds						Qvalue
~~3)~~ Chloromethane	1.97	50	391	~~Below~~ Cal		87
~~5)~~ Bromomethane	2.44	94	2622	~~1.23~~ ug/L	#	42
~~12)~~ Acetone	3.59	43	6223	~~Below~~ Cal		93
~~21)~~ 1,1-Dichloroethane	5.65	63	396	~~Below~~ Cal	#	1
~~30)~~ Bromochloromethane	7.12	128	243	~~Below~~ Cal	#	12
~~31)~~ Tetrahydrofuran	7.21	71	336	~~Below~~ Cal	#	14
~~40)~~ Trichloroethene	9.05	95	1235	~~Below~~ Cal	#	40
~~46)~~ Dibromomethane	9.71	93	76	~~Below~~ Cal	#	6
~~92)~~ 1,2-Dibromo-3-chloropropan	18.67	75	550	~~Below~~ Cal	#	3

ND

JS 9.13.10

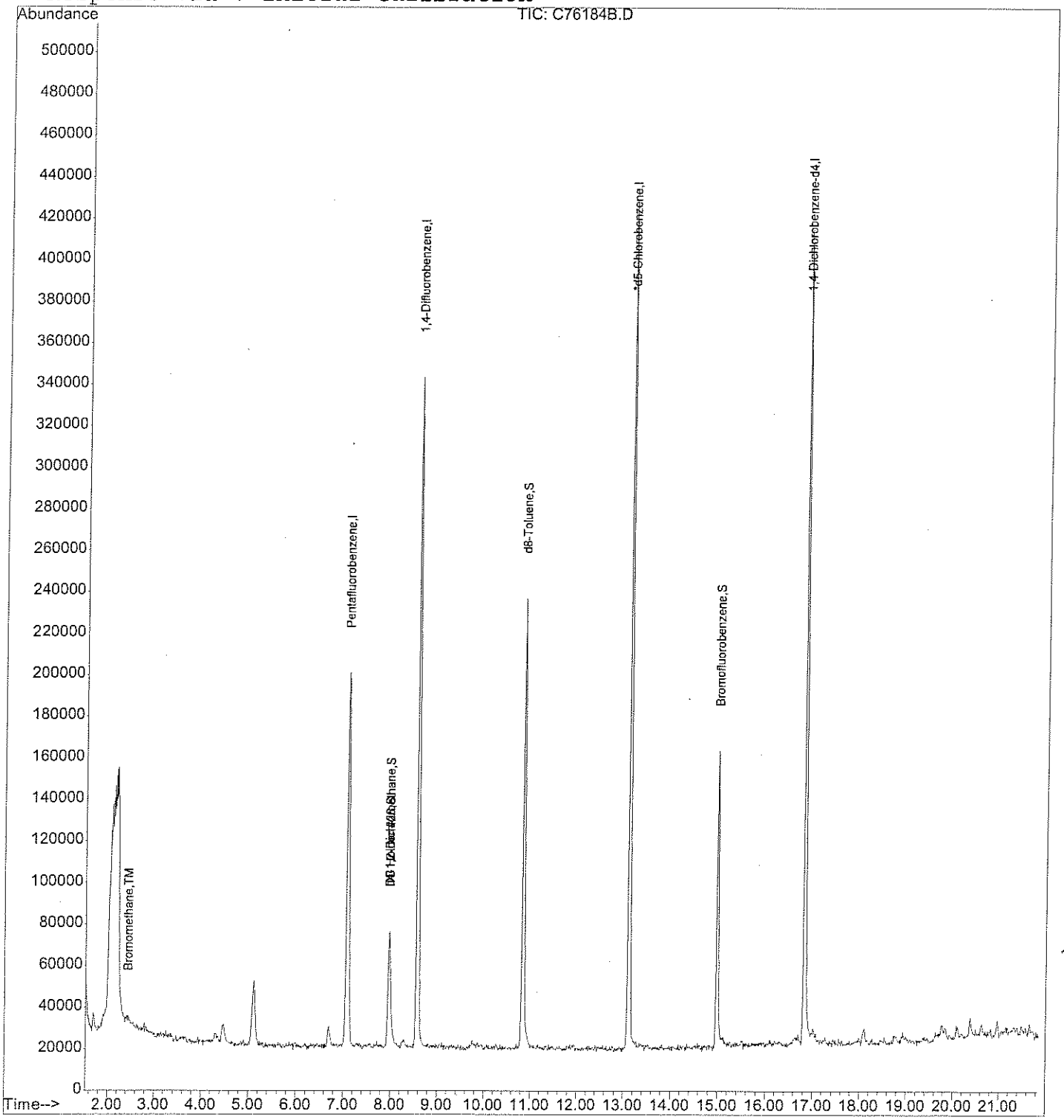
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76184B.D Vial: 13
Acq On : 13 Sep 2010 1:27 pm Operator: MT
Sample : MB09130C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:19 2010 Quant Results File: V808100C.RES

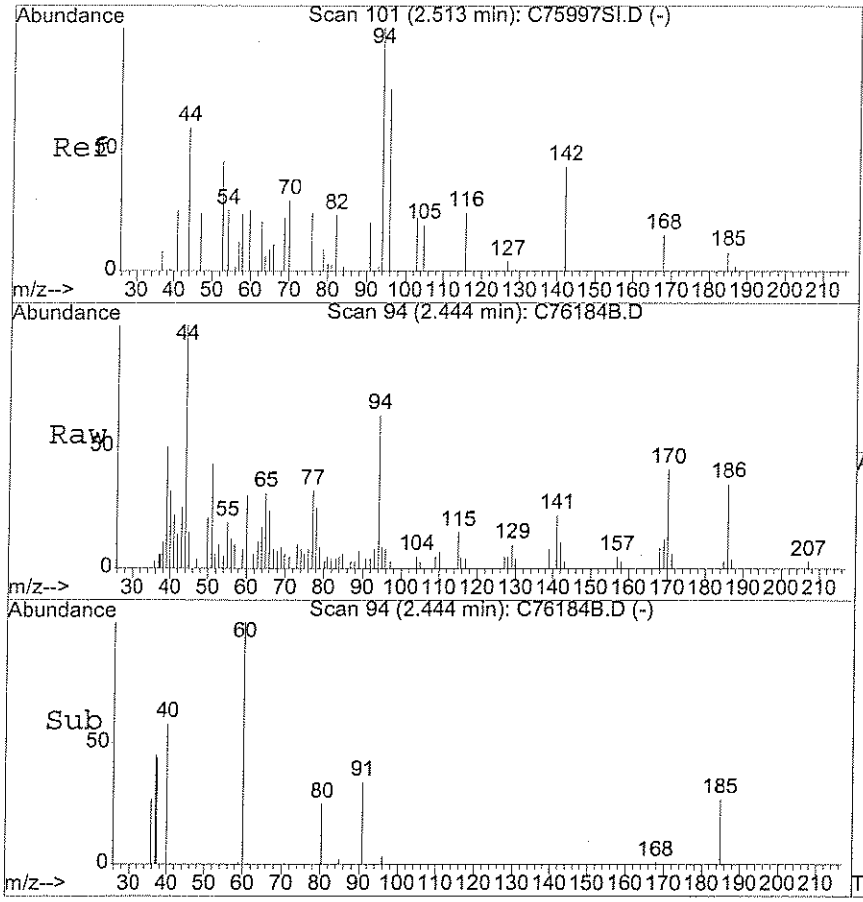
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/13/10



J71360

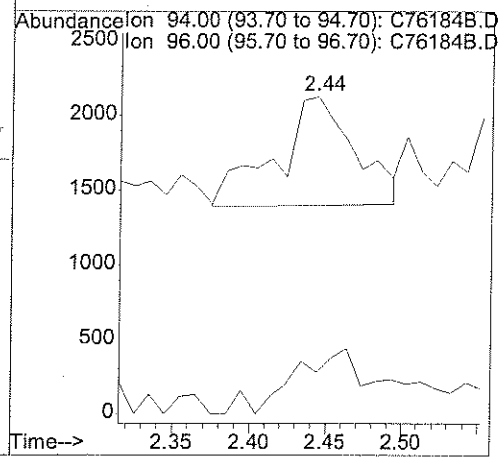
MT 9/23/10

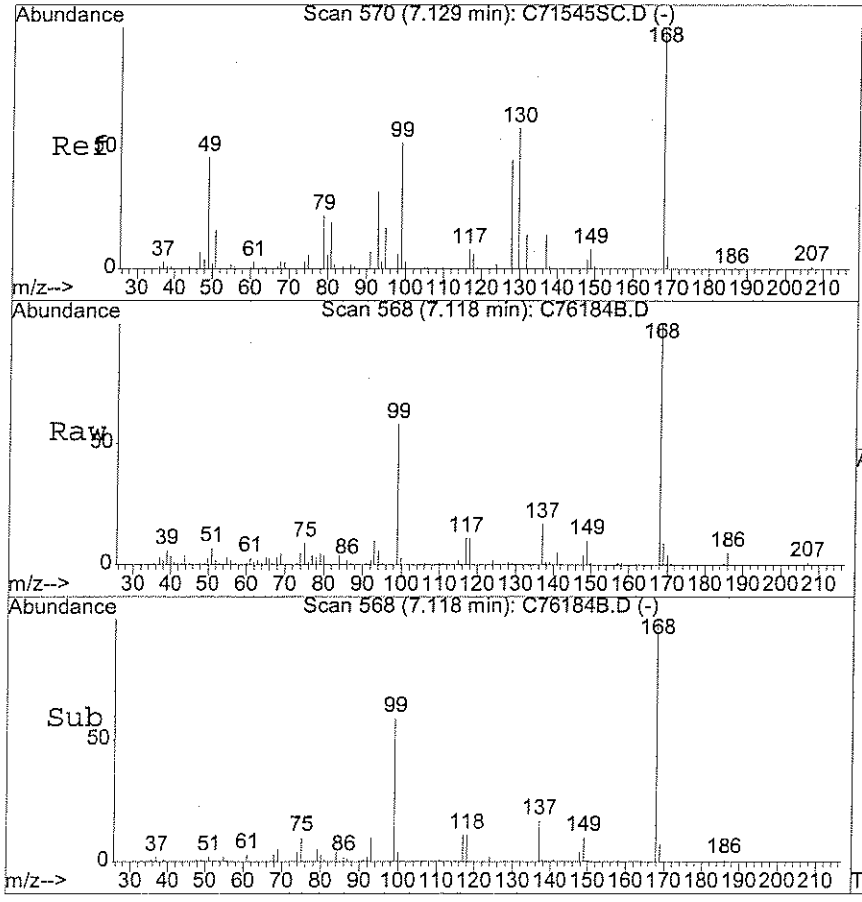


#5
Bromomethane
Concen: 1.23 ug/L
RT: 2.44 min Scan# 94
Delta R.T. -0.03 min
Lab File: C76184B.D
Acq: 13 Sep 2010 1:27 pm

Tgt Ion: 94 Resp: 2622

Ion	Ratio	Lower	Upper
94	100		
96	39.1	75.4	115.4#

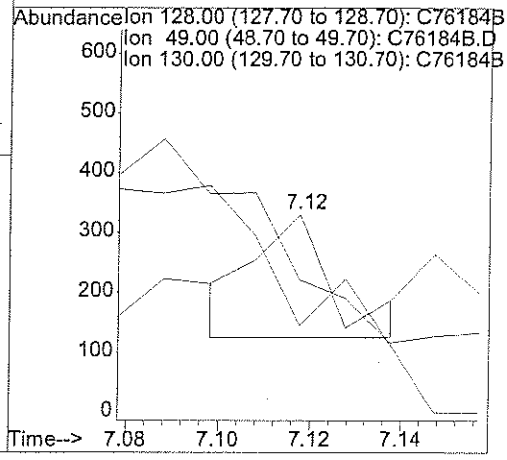




#30
Bromochloromethane
Concen: Below Cal
RT: 7.12 min Scan# 568
Delta R.T. 0.01 min
Lab File: C76184B.D
Acq: 13 Sep 2010 1:27 pm

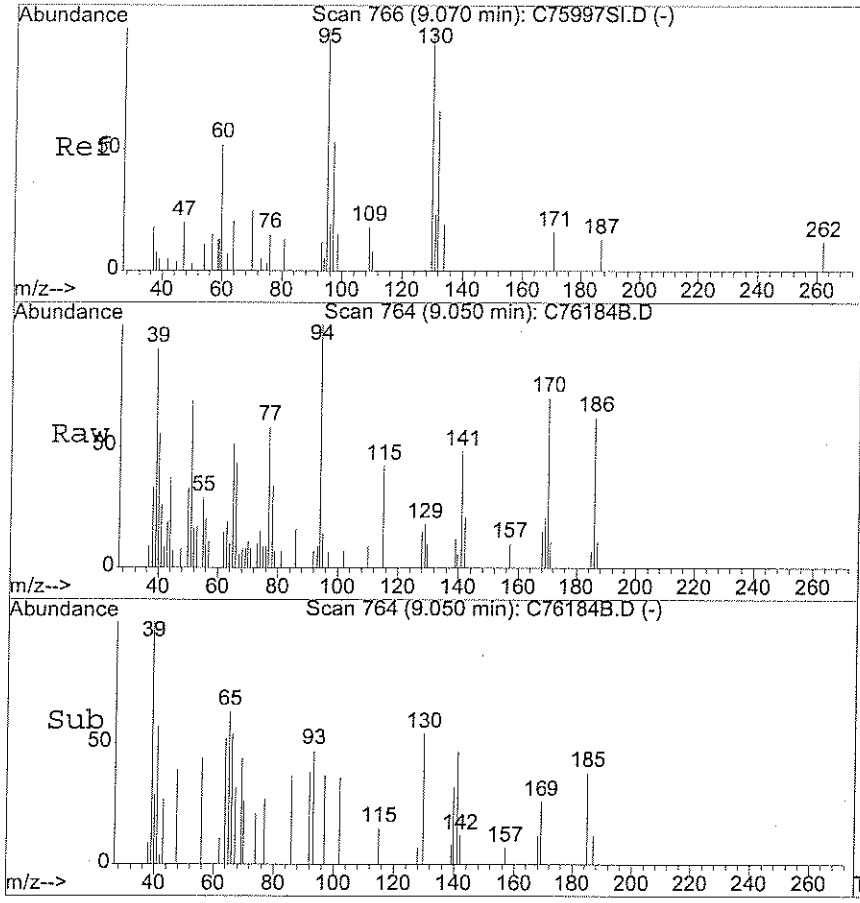
Tgt Ion:128 Resp: 243

Ion	Ratio	Lower	Upper
128	100		
49	22.2	175.1	215.1#
130	72.9	104.4	144.4#



D71360

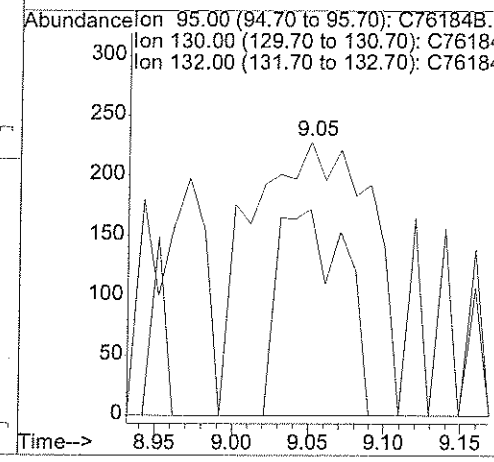
MT ~~9/12~~ 9/13/10

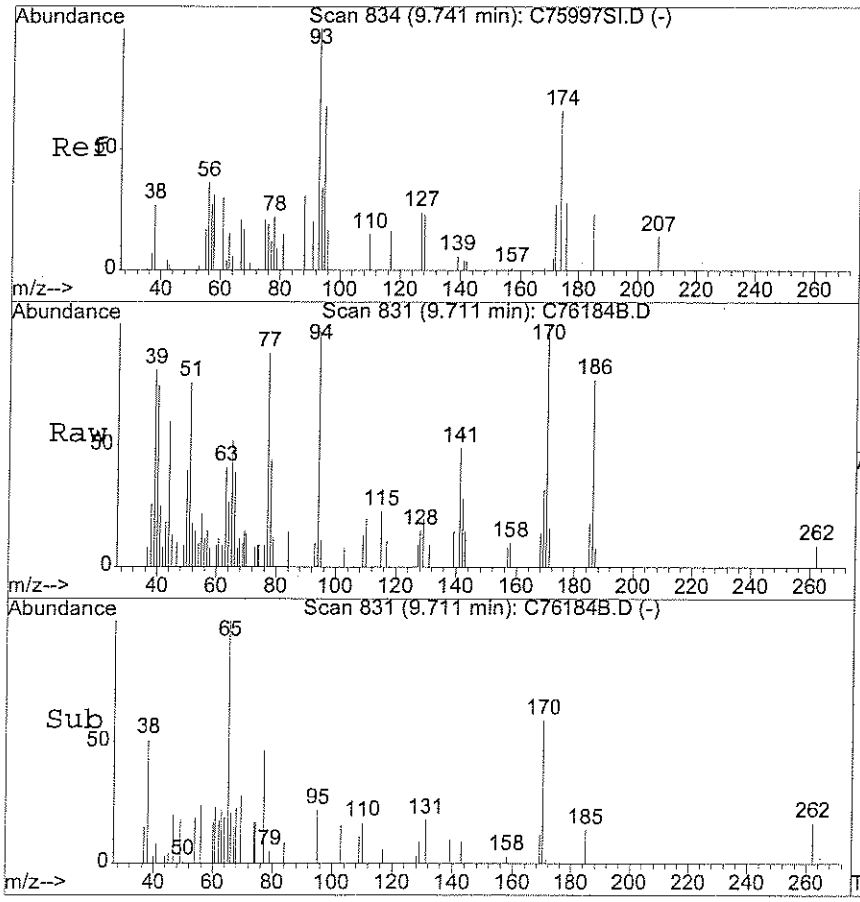


#40
Trichloroethene
Concen: Below Cal
RT: 9.05 min Scan# 764
Delta R.T. 0.01 min
Lab File: C76184B.D
Acq: 13 Sep 2010 1:27 pm

Tgt Ion: 95 Resp: 1235

Ion	Ratio	Lower	Upper
95	100		
130	75.4	78.9	118.9#
132	0.0	74.5	114.5#

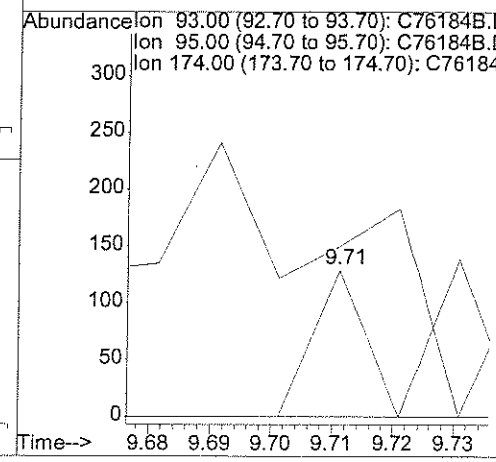




#46
Dibromomethane
Concen: Below Cal
RT: 9.71 min Scan# 831
Delta R.T. 0.00 min
Lab File: C76184B.D
Acq: 13 Sep 2010 1:27 pm

Tgt Ion: 93 Resp: 76

Ion	Ratio	Lower	Upper
93	100		
95	0.0	63.4	103.4#
174	0.0	68.6	108.6#



9/13/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

SAMPLE DATA

Lab Sample ID: 67722-1
Matrix: Solid
Percent Solid: 90
Dilution Factor: 105
Collection Date: 09/08/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: IV-B82-GTM1-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	105	U	1,1,2-Trichloroethane	79	U
Chloromethane	105	U	1,3-Dichloropropane	105	U
Vinyl Chloride	105	U	Tetrachloroethene	105	U
Bromomethane	105	U	2-Hexanone	1050	U
Chloroethane	105	U	Dibromochloromethane	79	U
Trichlorofluoromethane	105	U	1,2-Dibromoethane	79	U
1,1-Dichloroethene	79	U	Chlorobenzene	105	U
Acetone	1050	U	1,1,1,2-Tetrachloroethane	105	U
Methyl iodide	105	U	Ethylbenzene	105	U
Carbon Disulfide	105	U	o-Xylene	105	U
Methylene Chloride	527	U	m,p-Xylene	105	**101 J**
trans-1,2-Dichloroethene	105	U	Styrene	105	U
Methyl-tert-butyl ether (MTBE)	79	U	Bromoform	79	U
1,1-Dichloroethane	105	**100 J**	Isopropylbenzene	105	U
Vinyl acetate	790	U	1,1,2,2-Tetrachloroethane	79	U
Methyl ethyl ketone	1050	U	Bromobenzene	105	U
cis-1,2-Dichloroethene	105	U	1,2,3-Trichloropropane	105	U
2,2-Dichloropropane	105	U	n-Propylbenzene	105	U
Bromochloromethane	105	U	2-Chlorotoluene	105	U
Chloroform	79	U	1,3,5-Trimethylbenzene	105	**94 J**
1,1,1-Trichloroethane	105	**109**	4-Chlorotoluene	105	U
1,1-Dichloropropene	105	U	tert-butylbenzene	105	U
Carbon Tetrachloride	105	U	1,2,4-Trimethylbenzene	105	**179**
1,2-Dichloroethane	79	U	sec-butylbenzene	105	**207**
Benzene	105	U	p-isopropyltoluene	105	**332**
Trichloroethene	105	U	1,3-Dichlorobenzene	105	U
1,2-Dichloropropane	79	U	1,4-Dichlorobenzene	105	U
Dibromomethane	105	U	n-butylbenzene	105	U
Bromodichloromethane	79	U	1,2-Dichlorobenzene	105	U
cis-1,3-Dichloropropene	105	U	1,2-Dibromo-3-chloropropane	105	U
Methyl isobutyl ketone	1050	U	1,2,4-Trichlorobenzene	105	U
Toluene	105	U	Hexachlorobutadiene	105	U
trans-1,3-Dichloropropene	105	U	Naphthalene	105	**620**
			1,2,3-Trichlorobenzene	105	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	80 %	d8-Toluene	86 %	Bromofluorobenzen	88 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A. Quantitation limits increased due to the presence of non-target analytes.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76186.D Vial: 14
Acq On : 13 Sep 2010 2:15 pm Operator: MT
Sample : 67722-1 Inst : Instr_C
Misc : 50,10.57,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 14:52 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

DF: (5000)(10) / (50mL)(10.57g)(.8978) = 105

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	214598	20.00 ug/L	0.01
39) 1,4-Difluorobenzene	8.58	114	424043 ✓	20.00 ug/L	0.01
63) *d5-Chlorobenzene	13.11	117	368429	20.00 ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	151004	20.00 ug/L	0.01

System Monitoring Compounds					
28) DB Holder #28	7.97	65	131455	16.13 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	80.65% ✓	
36) d4-1,2-Dichloroethane	7.97	65	131133	16.07 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	80.35% ✓	
54) d8-Toluene	10.84	98	402774	17.23 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	86.15% ✓	
73) Bromofluorobenzene	14.99	95	153255	17.68 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	88.40% ✓	

Target Compounds					Qvalue
~~3)~~ Chloromethane	1.94	50	469	~~Below~~ Cal #	55
~~5)~~ Bromomethane	2.46	94	1140	see M.I. ~~1.01~~ ug/L #	50
NT* 10) 1,1,2-Trichlorotrifluoroet	3.49	101	88515	13.68 ~~12.70~~ ug/L #	96
21) 1,1-Dichloroethane	5.67	63	16510	0.95 ug/L	96
~~30)~~ Bromochloromethane	7.09	128	596	~~Below~~ Cal #	47
~~31)~~ Tetrahydrofuran	7.21	71	15210	~~16.61~~ ug/L #	1
32) 1,1,1-Trichloroethane	7.50	97	10519	✓ 1.04 ug/L	91
~~40)~~ Trichloroethene	9.04	95	3226	~~Below~~ Cal	93
~~42)~~ Methylmethacrylate	9.40	69	10557	~~1.97~~ ug/L #	14
NT 43) Methyl acetate	4.31	43	15519	NT 0.82 ug/L #	91
~~44)~~ Cyclohexane	7.60	56	72160	~~5.96~~ ug/L #	44
~~46)~~ Dibromomethane	9.69	93	664	~~Below~~ Cal #	20
NT 48) Methylcyclohexane	9.14	83	181858	NT 16.62 ug/L	97
67) m,p-Xylene	13.39	106	11668	0.95 ug/L	100
~~72)~~ 1,1,2,2-Tetrachloroethane	14.85	83	30997	~~3.41~~ ug/L #	36
~~74)~~ 1,2,3-Trichloropropane	14.99	75	67250	~~10.38~~ ug/L #	44
78) 1,3,5-Trimethylbenzene	15.49	105	21495	0.89 ug/L	97
82) 1,2,4-Trimethylbenzene	16.09	105	43817	✓ 1.70 ug/L	99
~~83)~~ Diisobutylketone	15.12	57	1037063	~~56.87~~ ug/L #	49
84) sec-butylbenzene	16.37	105	66789	✓ 1.96 ug/L	97
85) p-isopropyltoluene	16.59	119	85730	✓ 3.15 ug/L	94
~~89)~~ n-butylbenzene	17.24	91	702532	~~29.72~~ ug/L #	7
~~92)~~ 1,2-Dibromo-3-chloropropan	18.67	75	5459	~~3.22~~ ug/L #	3
96) Naphthalene	20.48	128	118841	✓ 5.89 ug/L	100

(8) *See Man. Int.

9/13/10

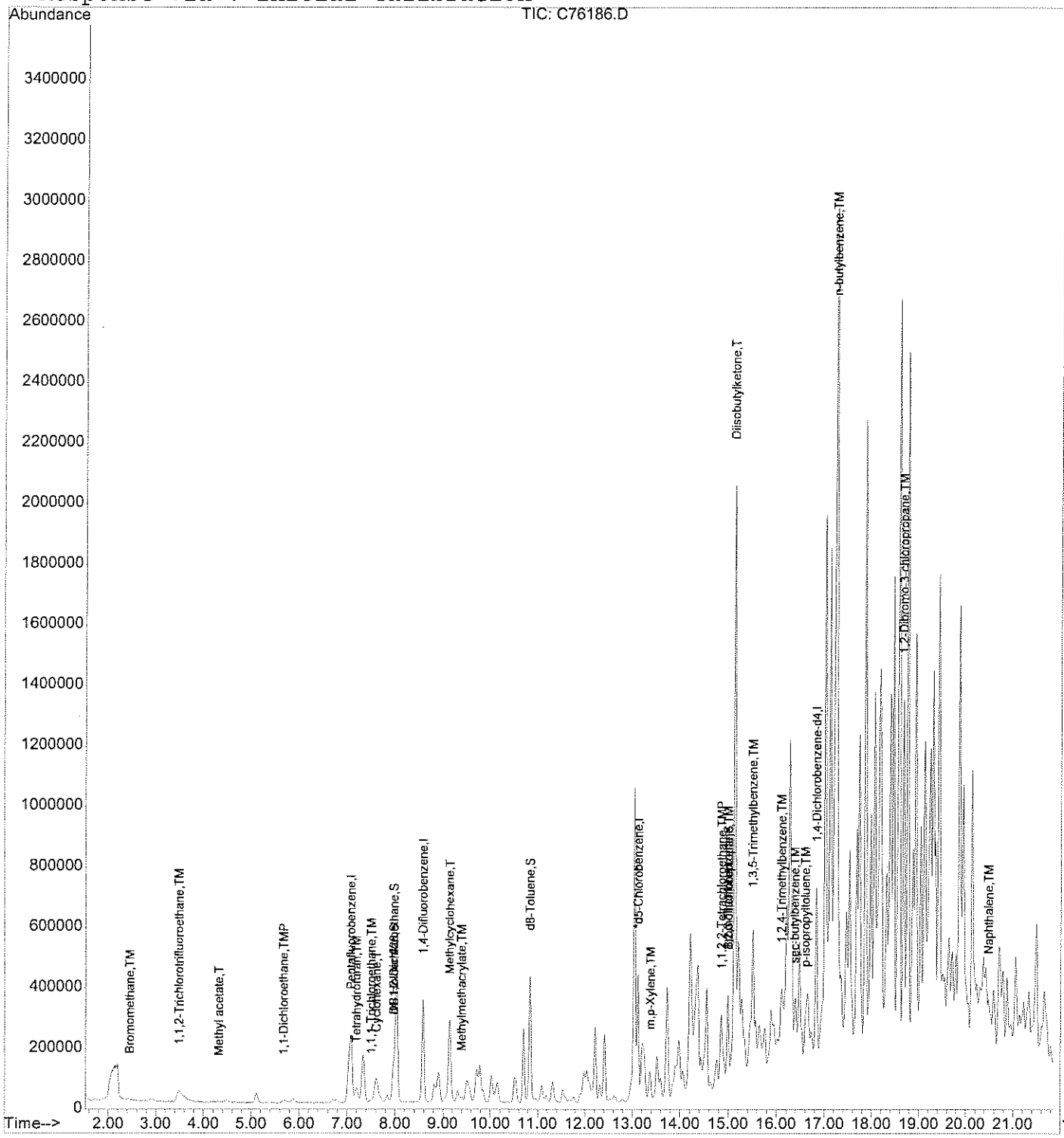
(#) = qualifier out of range (m) = manual integration
C76186.D V808100C.M Mon Sep 13 14:52:55 2010 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76186.D Vial: 14
Acq On : 13 Sep 2010 2:15 pm Operator: MT
Sample : 67722-1 Inst : Instr_C
Misc : 50,10.57,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 14:52 2010 Quant Results File: V808100C.RES

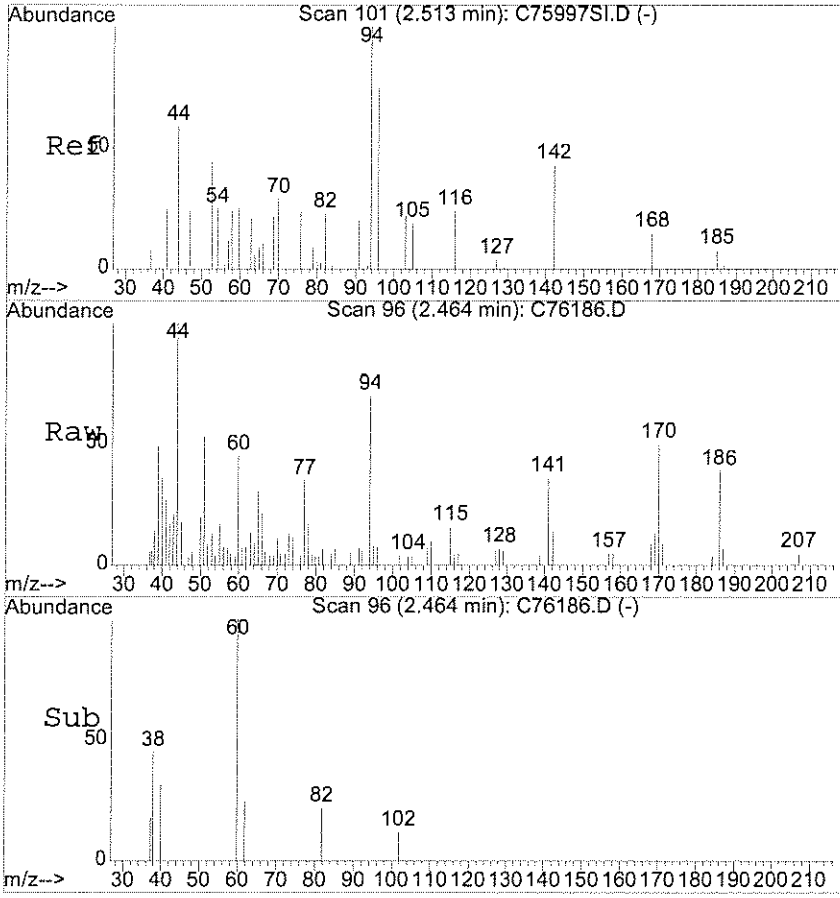
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/13/10



J9130

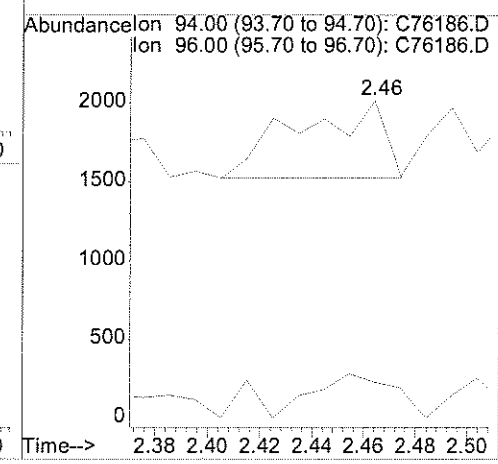
MT 9/13/10

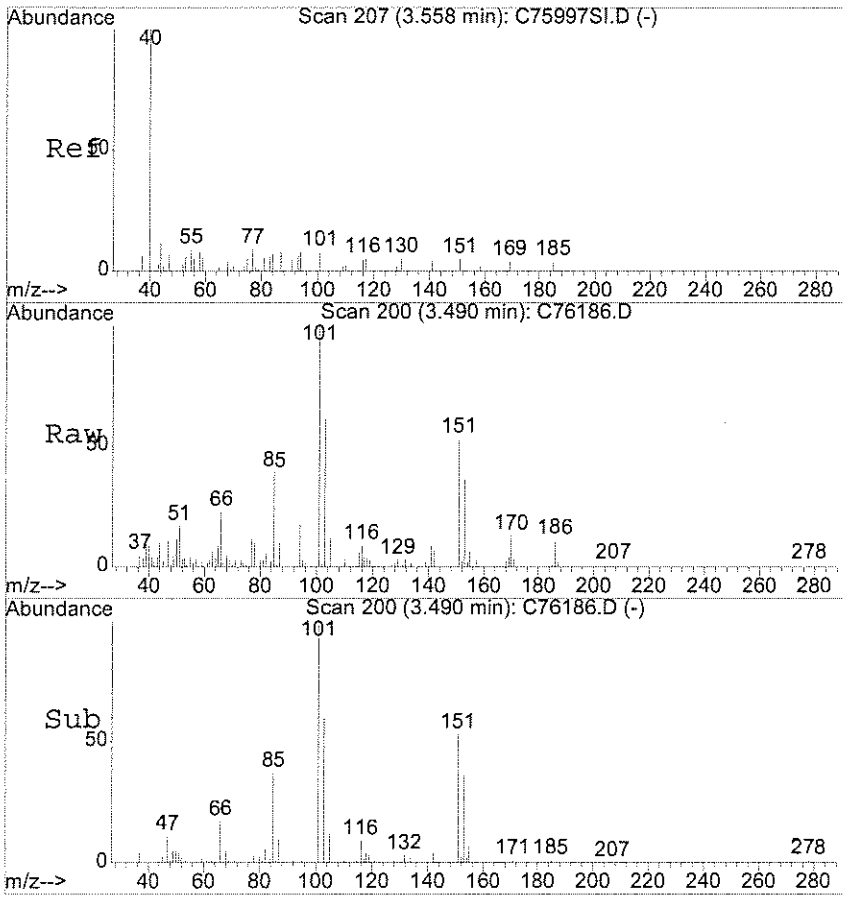


#5
Bromomethane
Concen: 1.01 ug/L
RT: 2.46 min Scan# 96
Delta R.T. -0.00 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

Tgt Ion: 94 Resp: 1140

Ion	Ratio	Lower	Upper
94	100		
96	46.5	75.4	115.4#



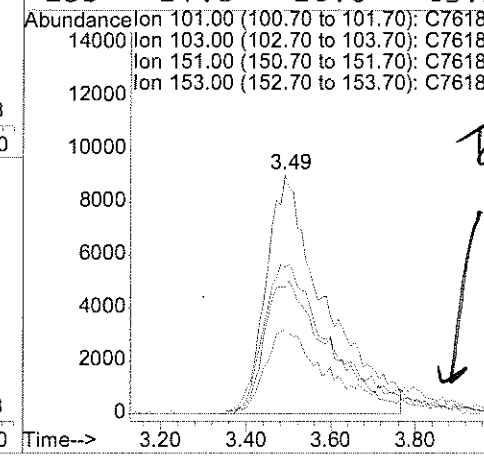


#10
1,1,2-Trichlorotrifluoroethan
Concen: ~~12.70 ug/L~~ 13.68 ug/L
RT: 3.49 min Scan# 200
Delta R.T. -0.00 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

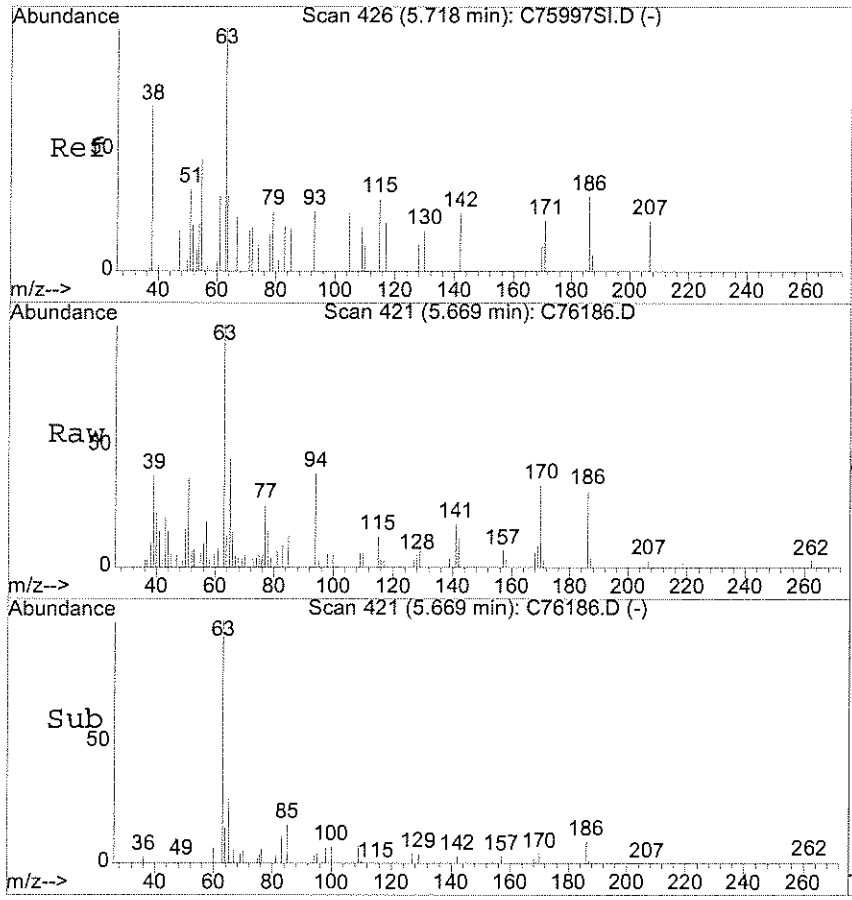
Tgt Ion:101 Resp: 88515

Ion	Ratio	Lower	Upper
101	100		
103	68.3	53.7	80.5
151	57.6	46.7	70.1
153	27.5	28.8	43.2#

See Man Int Tailing



9/13/10

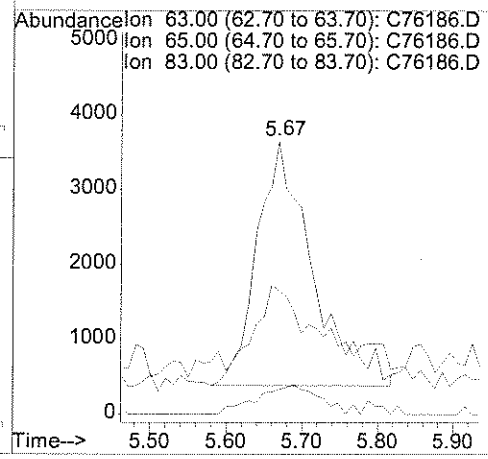


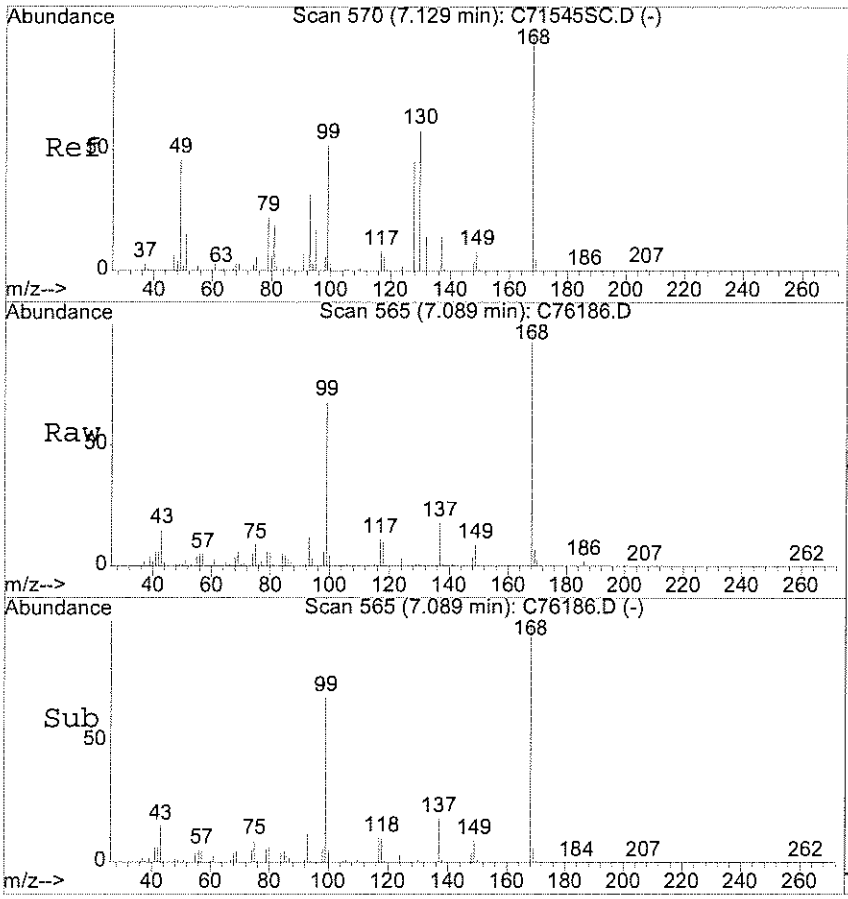
MT 9/13/10

#21
1,1-Dichloroethane
Concen: 0.95 ug/L
RT: 5.67 min Scan# 421
Delta R.T. 0.01 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

Tgt Ion: 63 Resp: 16510

Ion	Ratio	Lower	Upper
63	100		
65	32.1	10.9	50.9
83	10.0	0.0	33.8

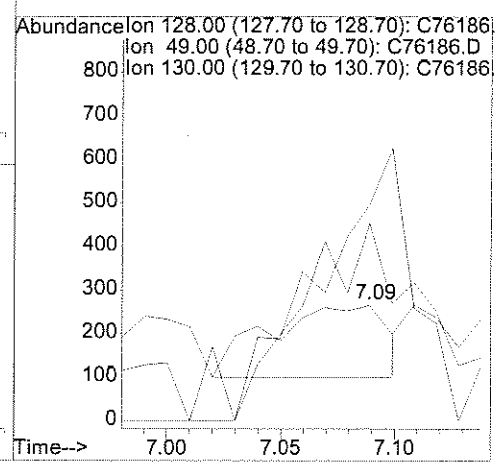




#30
Bromochloromethane
Concen: Below Cal
RT: 7.09 min Scan# 565
Delta R.T. -0.01 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

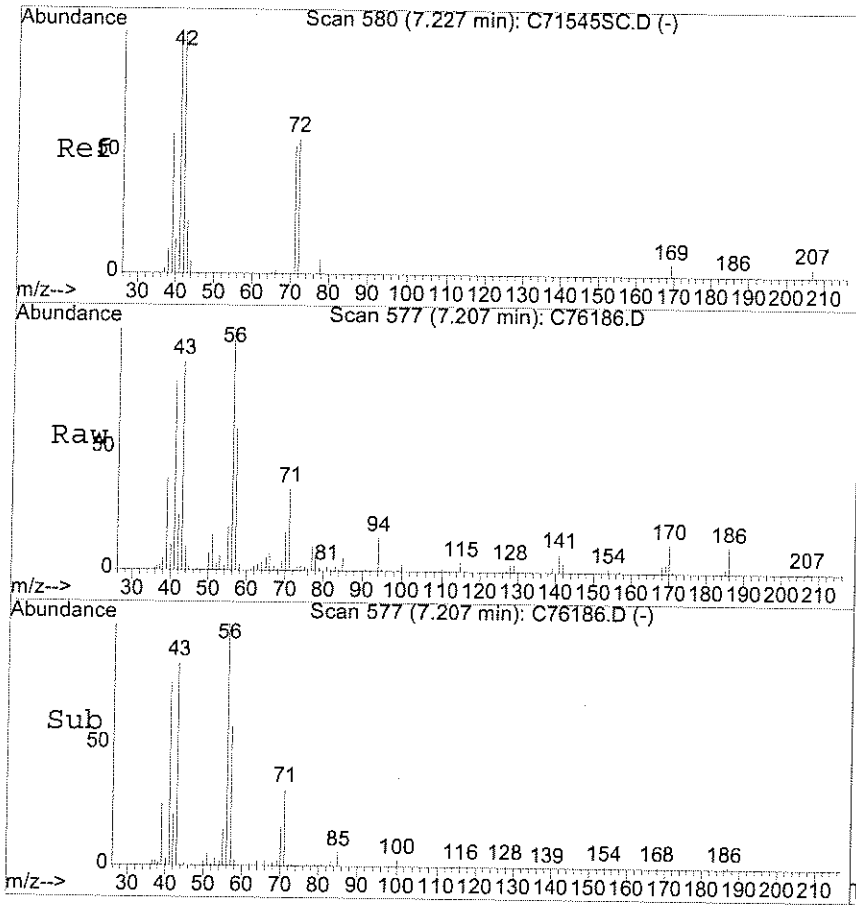
Tgt Ion:128 Resp: 596

Ion	Ratio	Lower	Upper
128	100		
49	198.2	175.1	215.1
130	275.2	104.4	144.4#



5/13/10

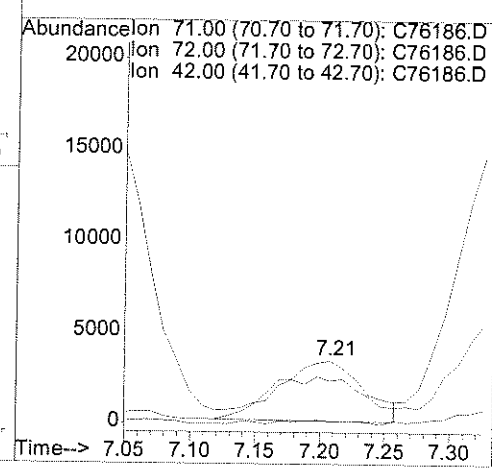
MT 9/13/10



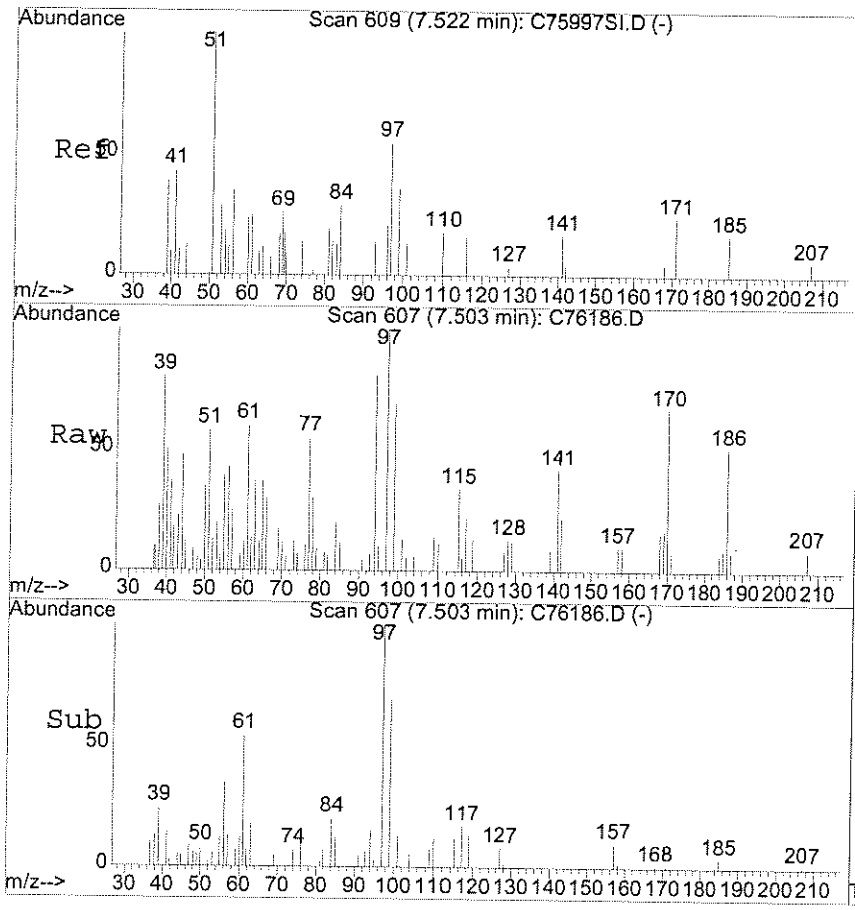
#31
Tetrahydrofuran
Concen: 16.61 ug/L
RT: 7.21 min Scan# 577
Delta R.T. 0.01 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

Tgt Ion: 71 Resp: 15210

Ion	Ratio	Lower	Upper
71	100		
72	5.3	74.6	111.8#
42	77.4	229.1	343.7#



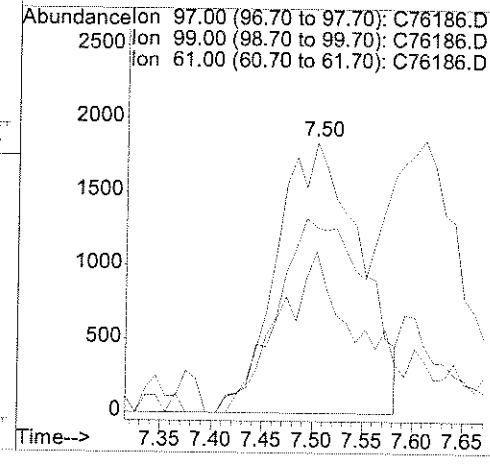
X



#32
1,1,1-Trichloroethane
Concen: 1.04 ug/L
RT: 7.50 min Scan# 607
Delta R.T. 0.01 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

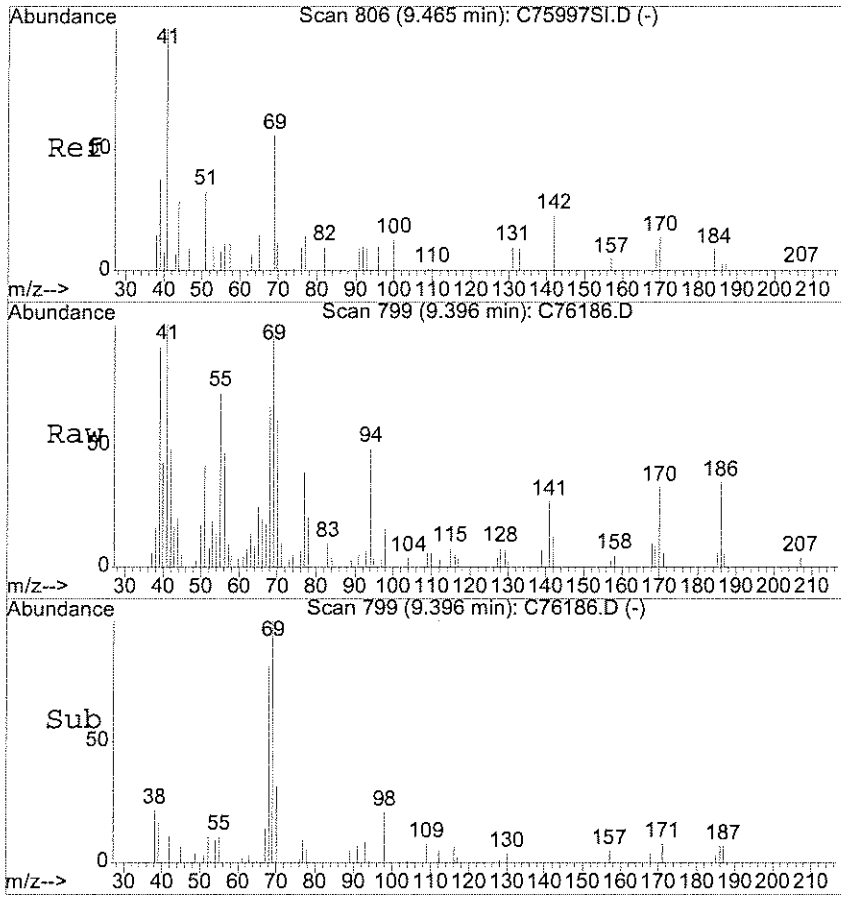
Tgt Ion: 97 Resp: 10519

Ion	Ratio	Lower	Upper
97	100		
99	68.5	48.5	88.5
61	59.7	24.1	64.1



✓

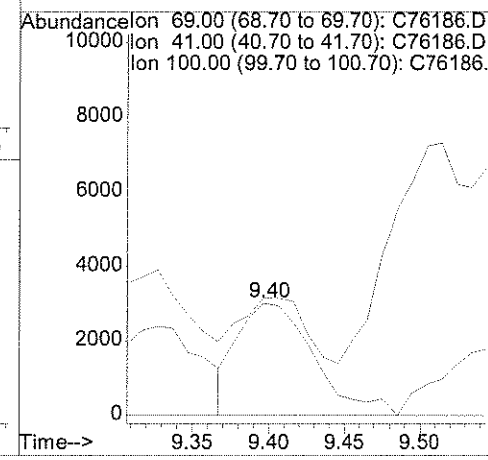
9/13/10

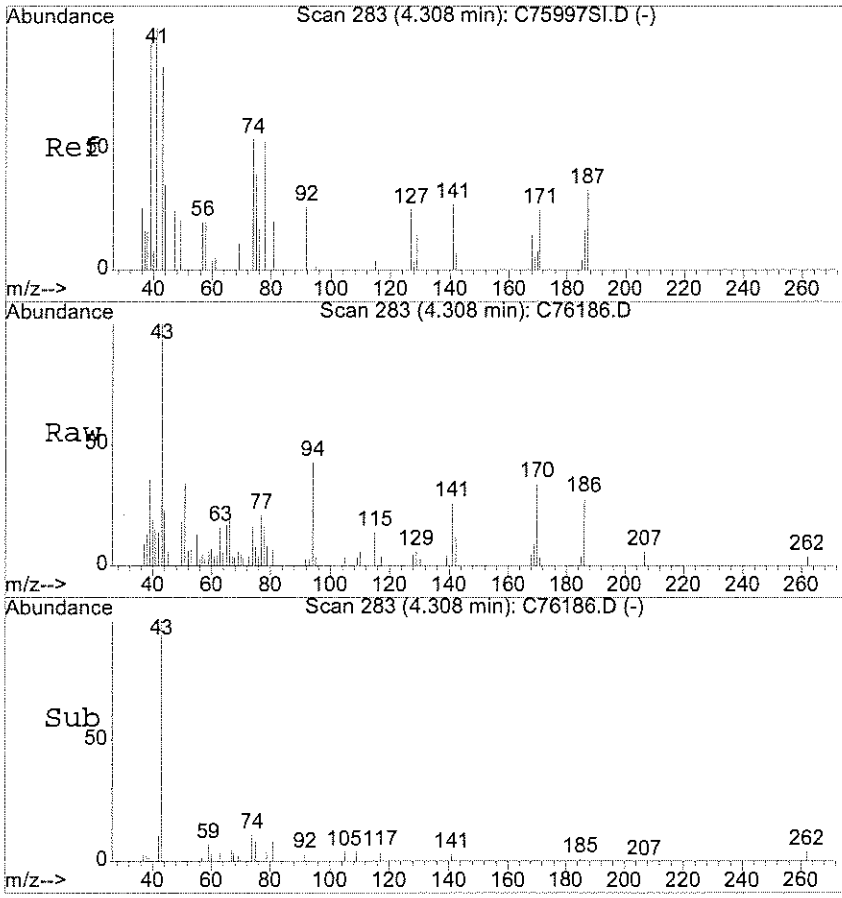


#42 MT 9/13/10
Methylmethacrylate
Concen: 1.97 ug/L
RT: 9.40 min Scan# 799
Delta R.T. -0.04 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

Tgt Ion: 69 Resp: 10557

Ion	Ratio	Lower	Upper
69	100		
41	47.3	137.4	206.2#
100	0.0	35.4	53.2#



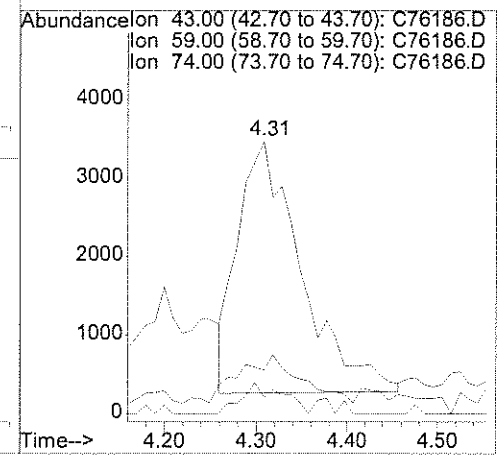


#43
Methyl acetate
Concen: 0.82 ug/L
RT: 4.31 min Scan# 283
Delta R.T. 0.03 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

Tgt Ion: 43 Resp: 15519

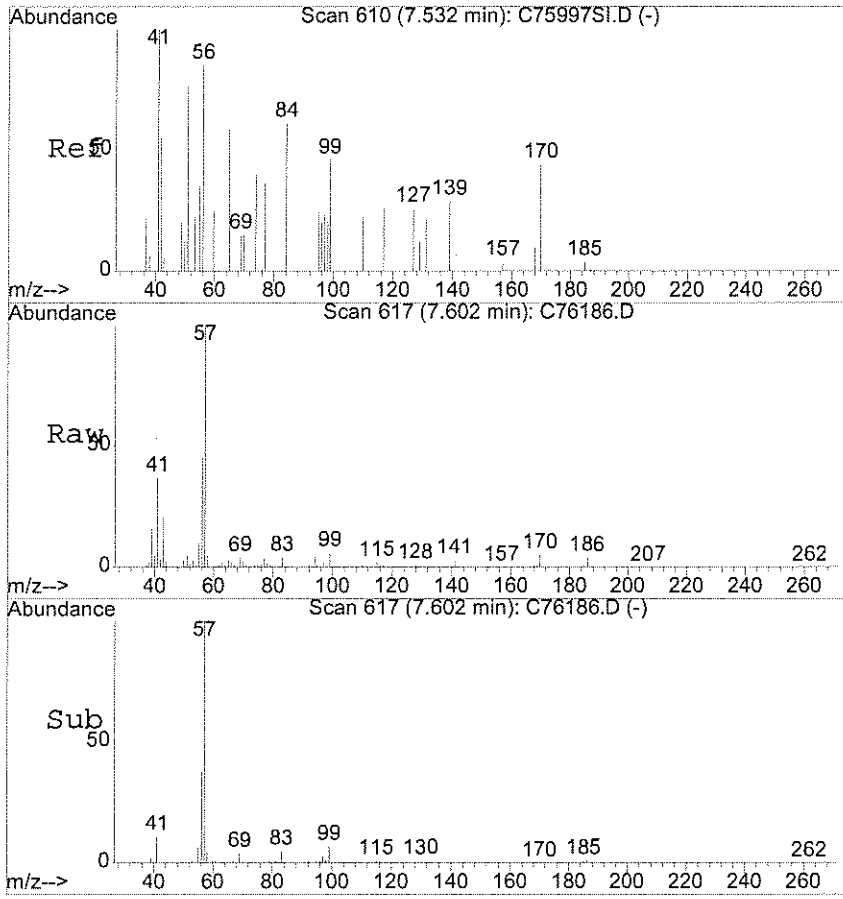
Ion	Ratio	Lower	Upper
43	100		
59	7.7	4.2	6.4#
74	19.1	11.8	17.8#

MT



S71320

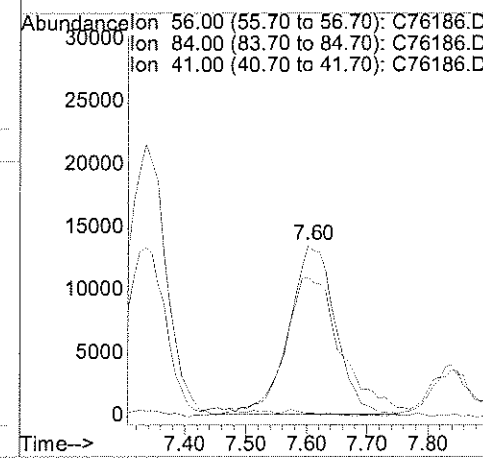
MT 9/13/10

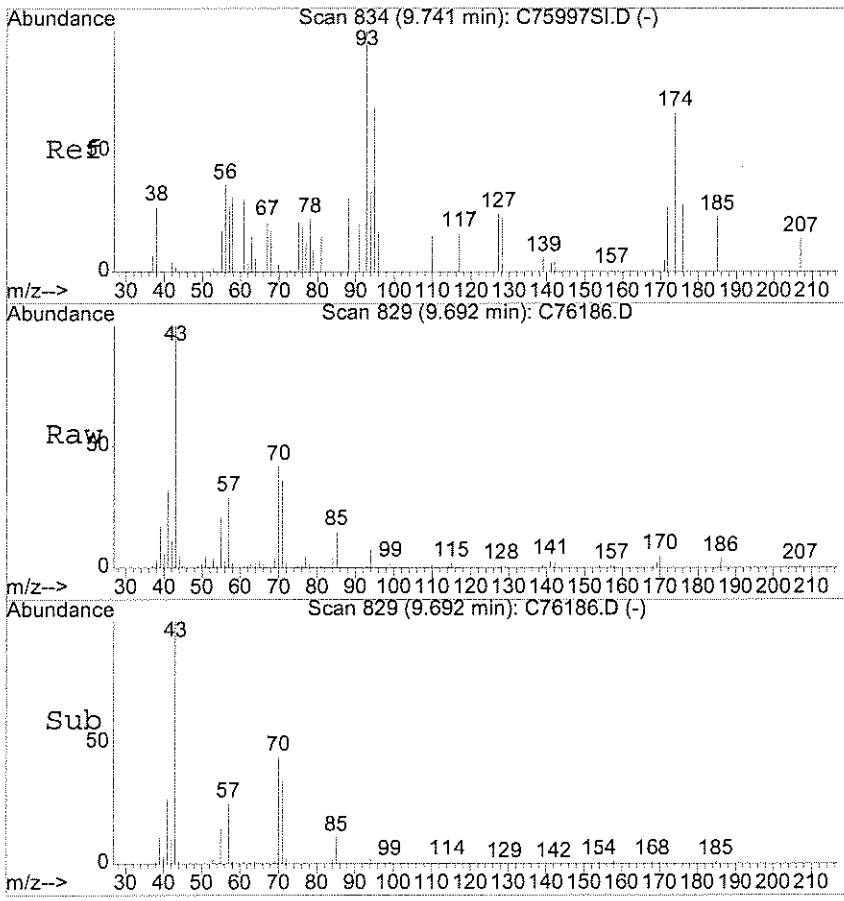


#44
Cyclohexane
Concen: 5.96 ug/L
RT: 7.60 min Scan# 617
Delta R.T. 0.10 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

Tgt Ion: 56 Resp: 72160

Ion	Ratio	Lower	Upper
56	100		
84	1.2	57.4	86.2#
41	88.2	54.3	81.5#

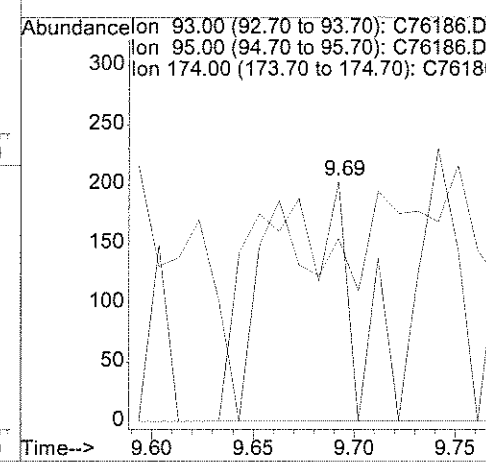




#46
Dibromomethane
Concen: Below Cal
RT: 9.69 min Scan# 829
Delta R.T. -0.01 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

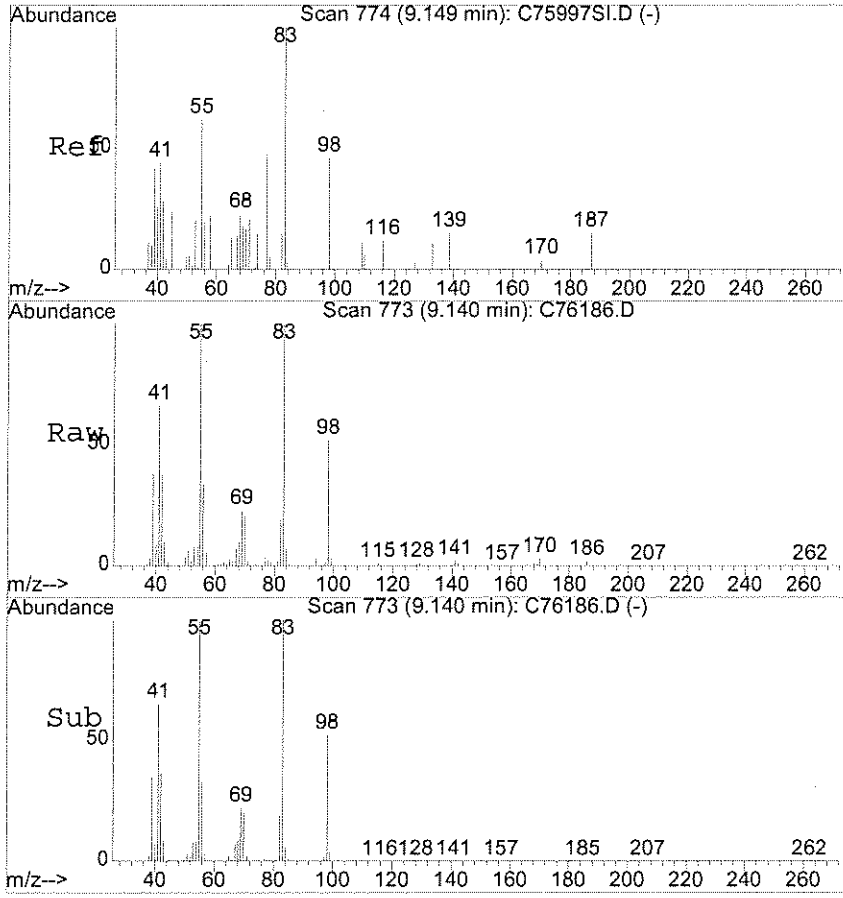
Tgt Ion: 93 Resp: 664

Ion	Ratio	Lower	Upper
93	100		
95	25.7	63.4	103.4#
174	0.0	68.6	108.6#



9/13/10

MT 9/13/10

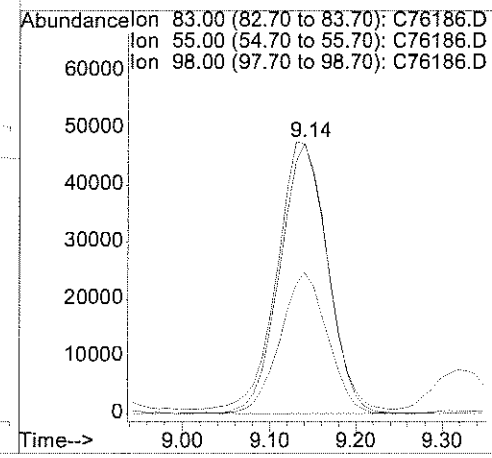


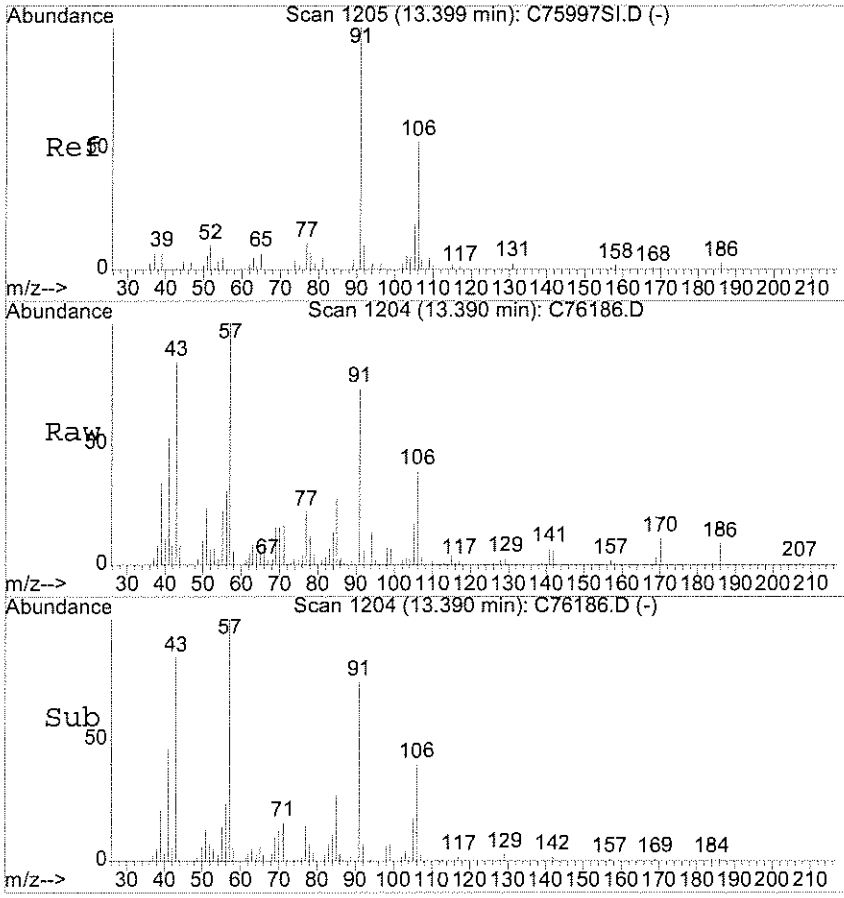
#48
Methylcyclohexane
Concen: 16.62 ug/L
RT: 9.14 min Scan# 773
Delta R.T. 0.01 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

Tgt Ion: 83 Resp: 181858

Ion	Ratio	Lower	Upper
83	100		
55	103.2	80.2	120.4
98	51.9	43.2	64.8

MT

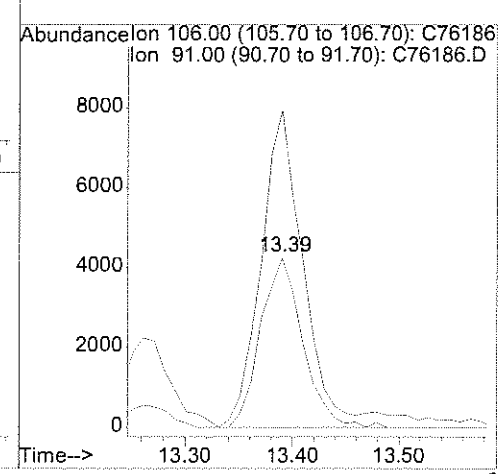




#67
m,p-Xylene
Concen: 0.95 ug/L
RT: 13.39 min Scan# 1204
Delta R.T. 0.01 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

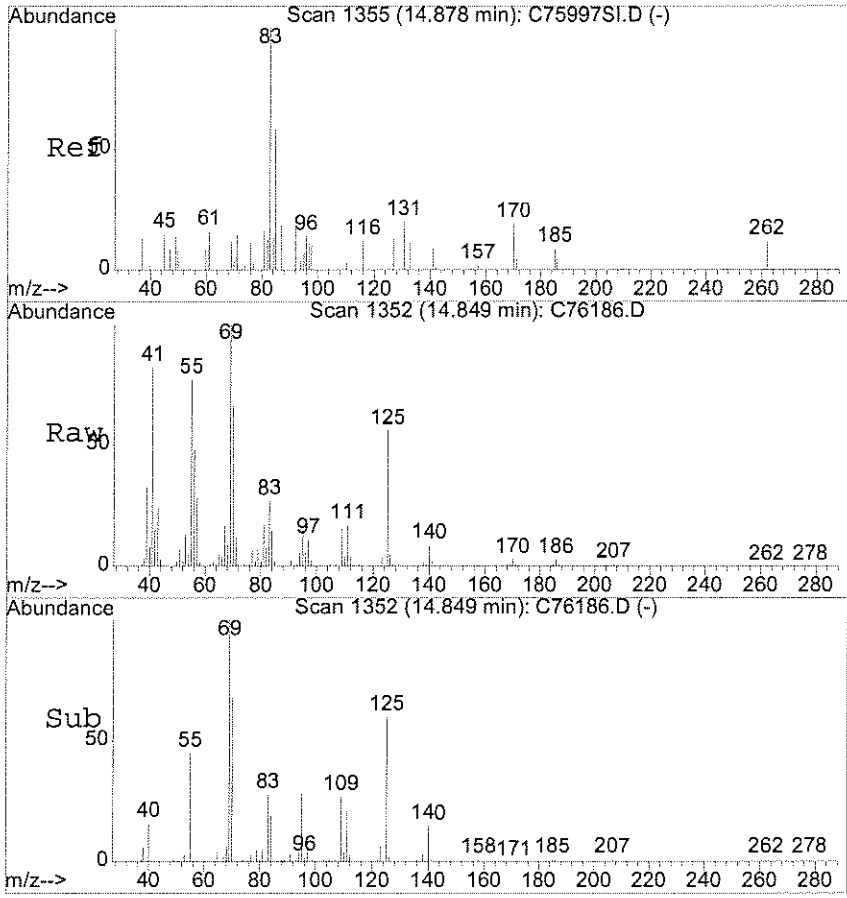
Tgt Ion:106 Resp: 11668

Ion	Ratio	Lower	Upper
106	100		
91	187.5	147.7	227.7



9/13/10

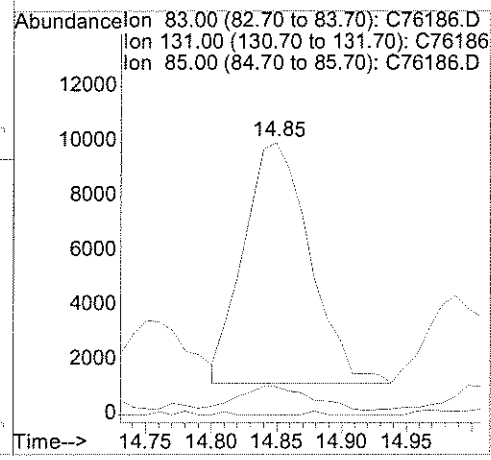
MT 9/13/10



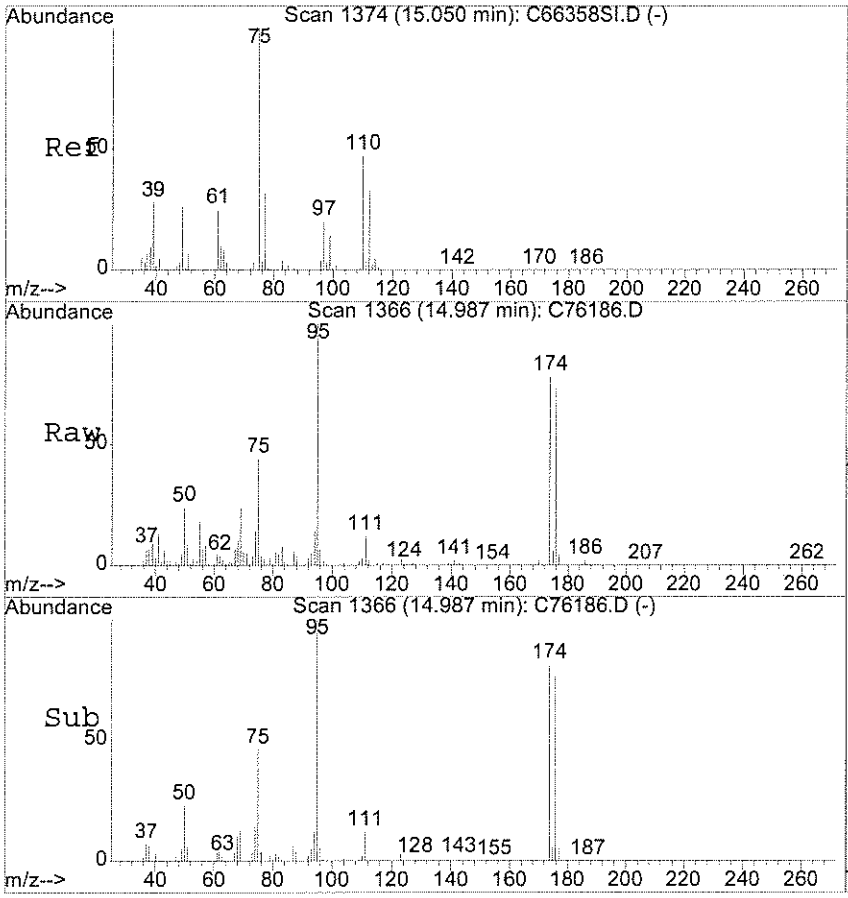
#72
1,1,2,2-Tetrachloroethane
Concen: 3.41 ug/L
RT: 14.85 min Scan# 1352
Delta R.T. -0.01 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

Tgt Ion: 83 Resp: 30997

Ion	Ratio	Lower	Upper
83	100		
131	0.0	0.0	18.3
85	9.3	53.1	73.1#



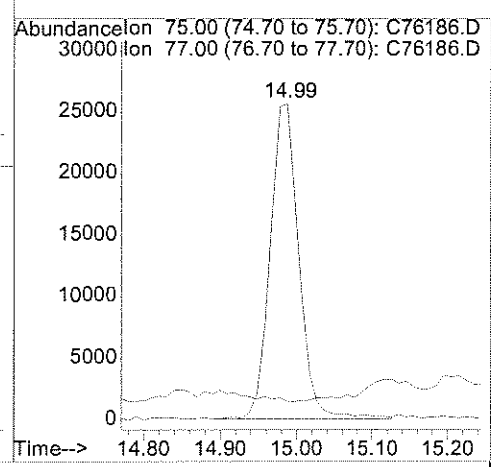
X



#74
1,2,3-Trichloropropane
Concen: 10.38 ug/L
RT: 14.99 min Scan# 1366
Delta R.T. -0.09 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

Tgt Ion: 75 Resp: 67250

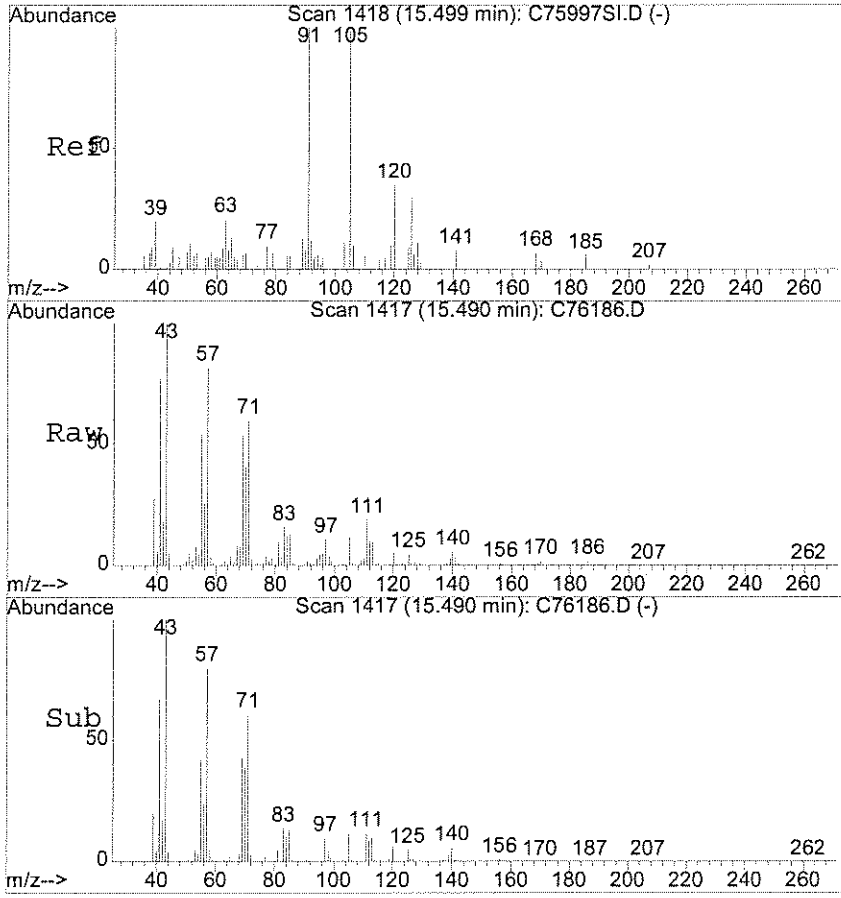
Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.8	35.8#



X

9/13/10

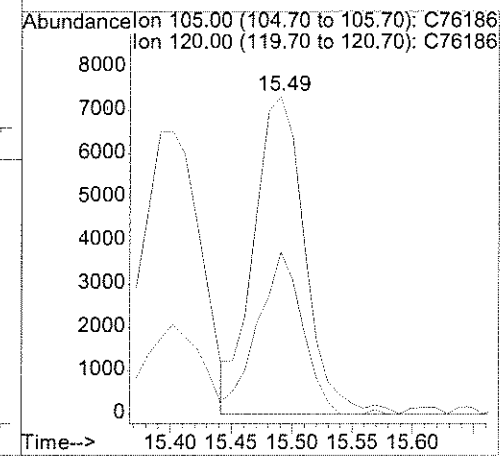
MT 9/13/10

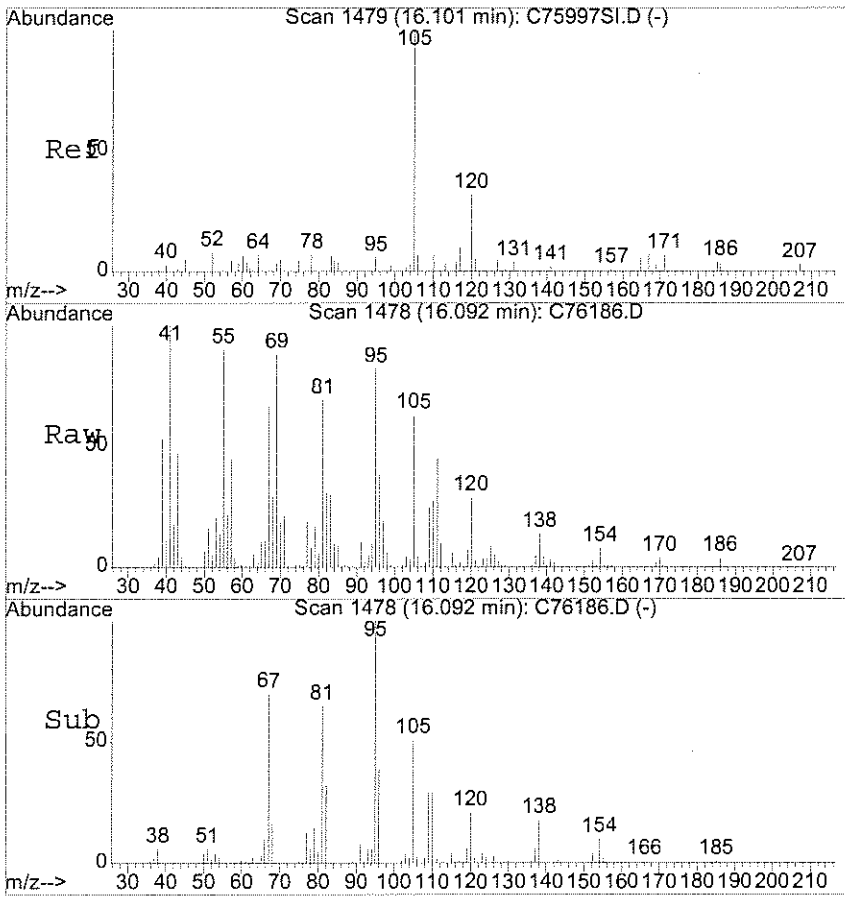


#78
1,3,5-Trimethylbenzene
Concen: 0.89 ug/L
RT: 15.49 min Scan# 1417
Delta R.T. 0.01 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

Tgt Ion:105 Resp: 21495

Ion	Ratio	Lower	Upper
105	100		
120	51.1	29.1	69.1

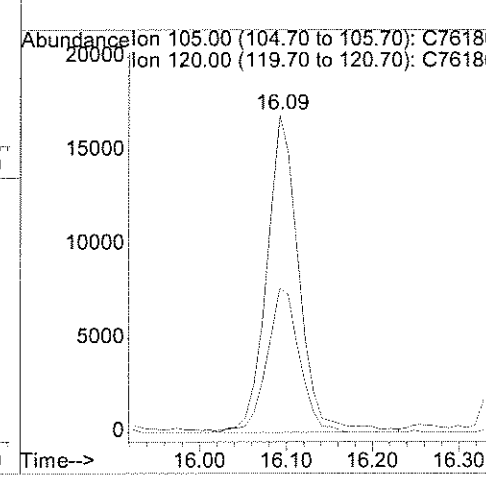




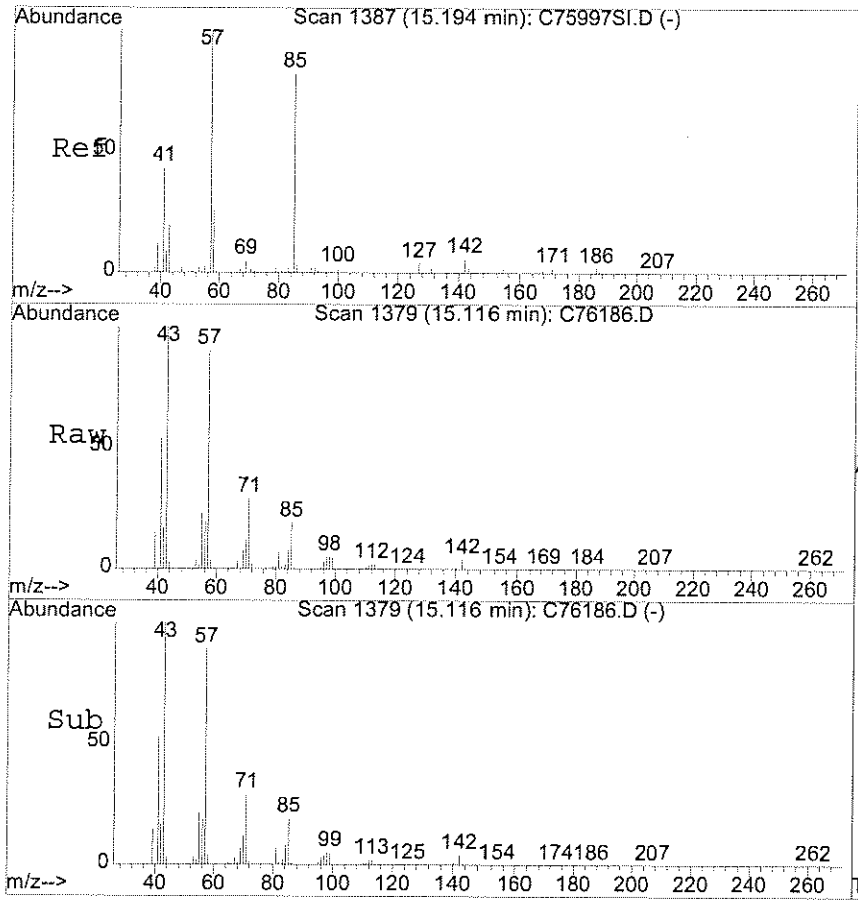
#82
1,2,4-Trimethylbenzene
Concen: 1.70 ug/L
RT: 16.09 min Scan# 1478
Delta R.T. 0.01 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

Tgt Ion:105 Resp: 43817

Ion	Ratio	Lower	Upper
105	100		
120	45.5	25.2	65.2



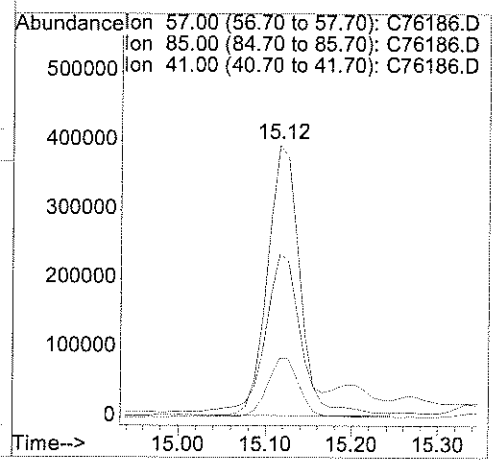
091310

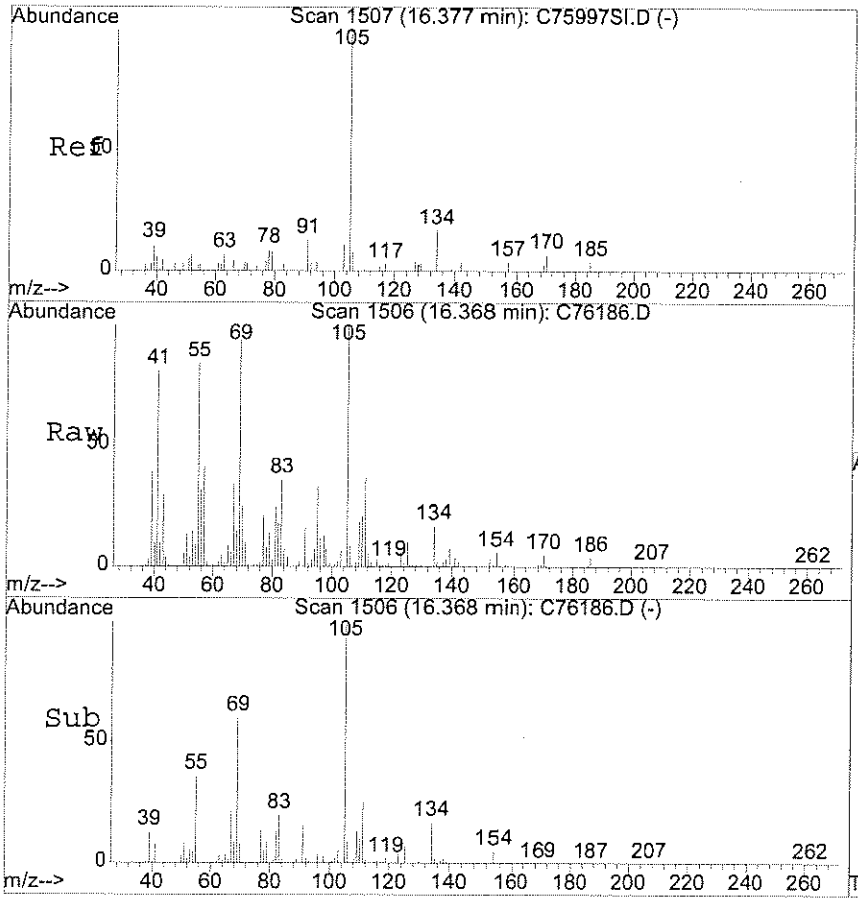


#83 NT 9/13/10
Diisobutylketone
Concen: 56.87 ug/L
RT: 15.12 min Scan# 1379
Delta R.T. -0.06 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

Tgt Ion: 57 Resp: 1037063

Ion	Ratio	Lower	Upper
57	100		
85	21.2	63.3	94.9#
41	61.2	36.1	54.1#

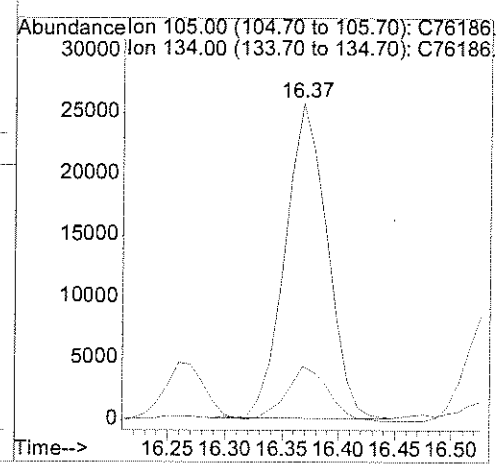




#84
sec-butylbenzene
Concen: 1.96 ug/L
RT: 16.37 min Scan# 1506
Delta R.T. 0.01 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

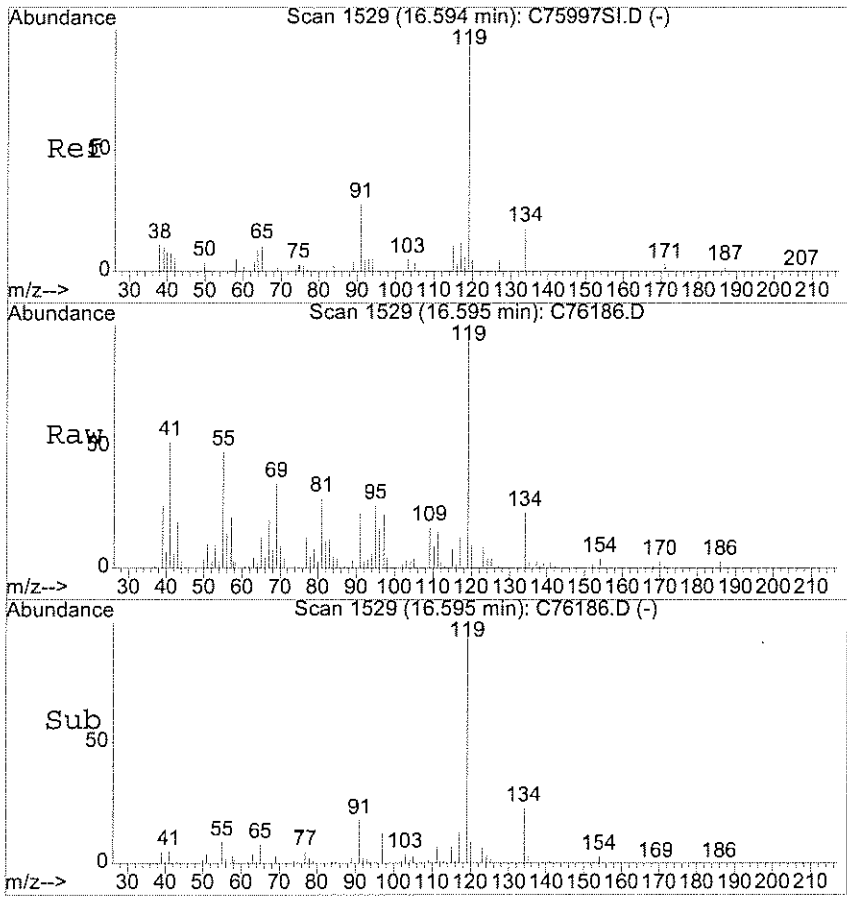
Tgt Ion:105 Resp: 66789

Ion	Ratio	Lower	Upper
105	100		
134	17.4	0.0	36.1



291310

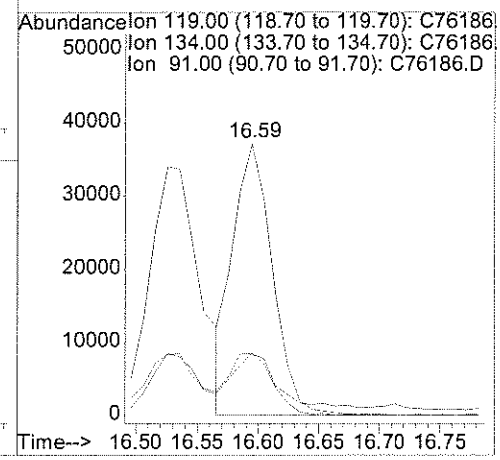
KT 9/13/10

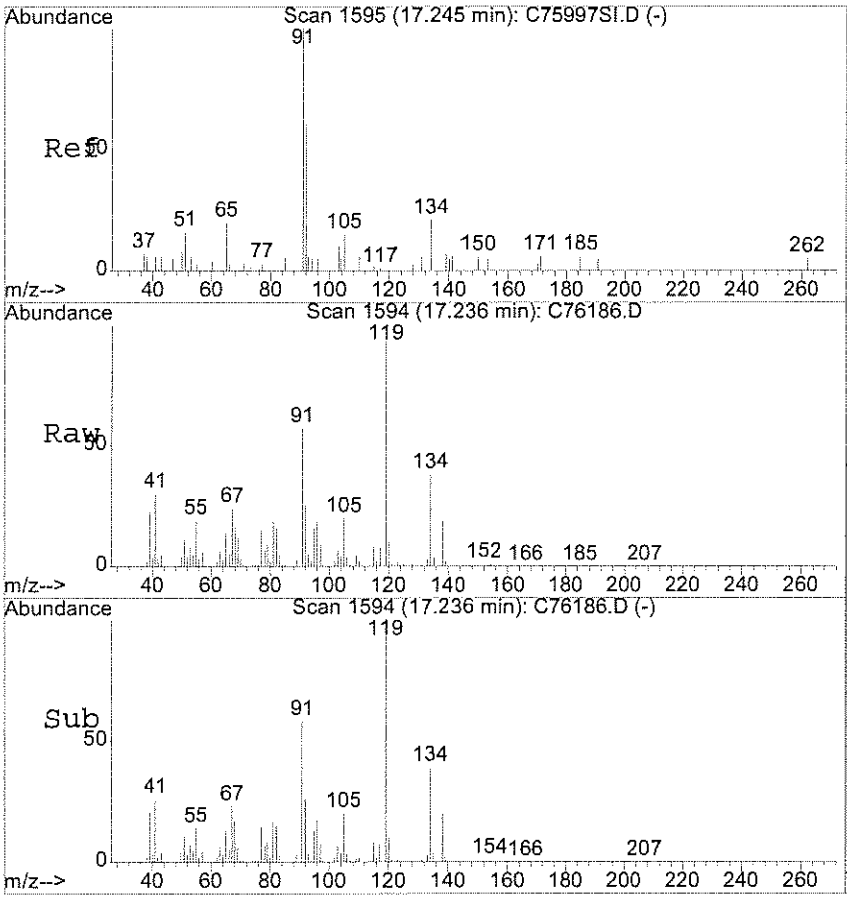


#85
p-isopropyltoluene
Concen: 3.15 ug/L
RT: 16.59 min Scan# 1529
Delta R.T. 0.01 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

Tgt Ion:119 Resp: 85730

Ion	Ratio	Lower	Upper
119	100		
134	23.0	4.0	44.0
91	18.4	3.7	43.7

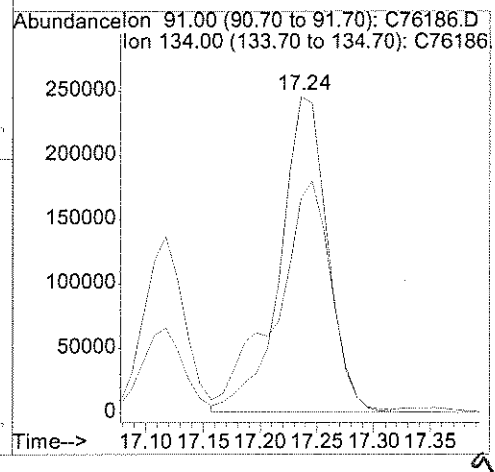




#89
n-butylbenzene
Concen: 29.72 ug/L
RT: 17.24 min Scan# 1594
Delta R.T. 0.01 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

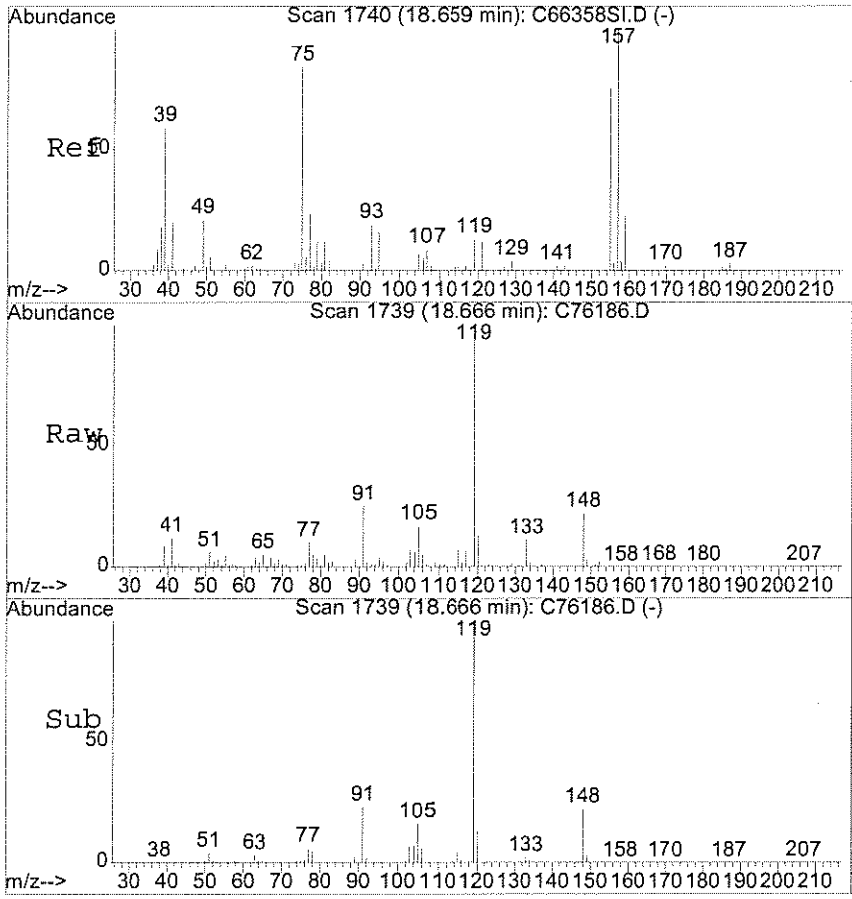
Tgt Ion: 91 Resp: 702532

Ion	Ratio	Lower	Upper
91	100		
134	68.1	3.1	43.1#



9/13/10

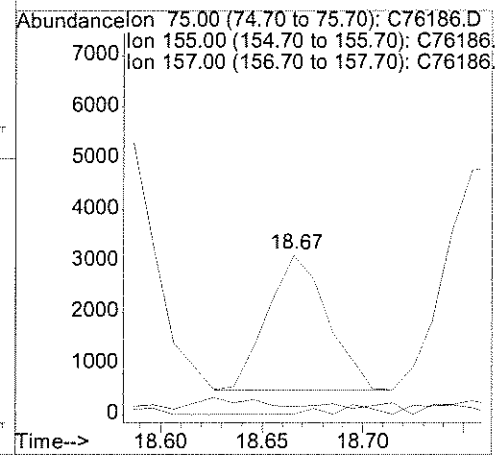
MT 9/13/10

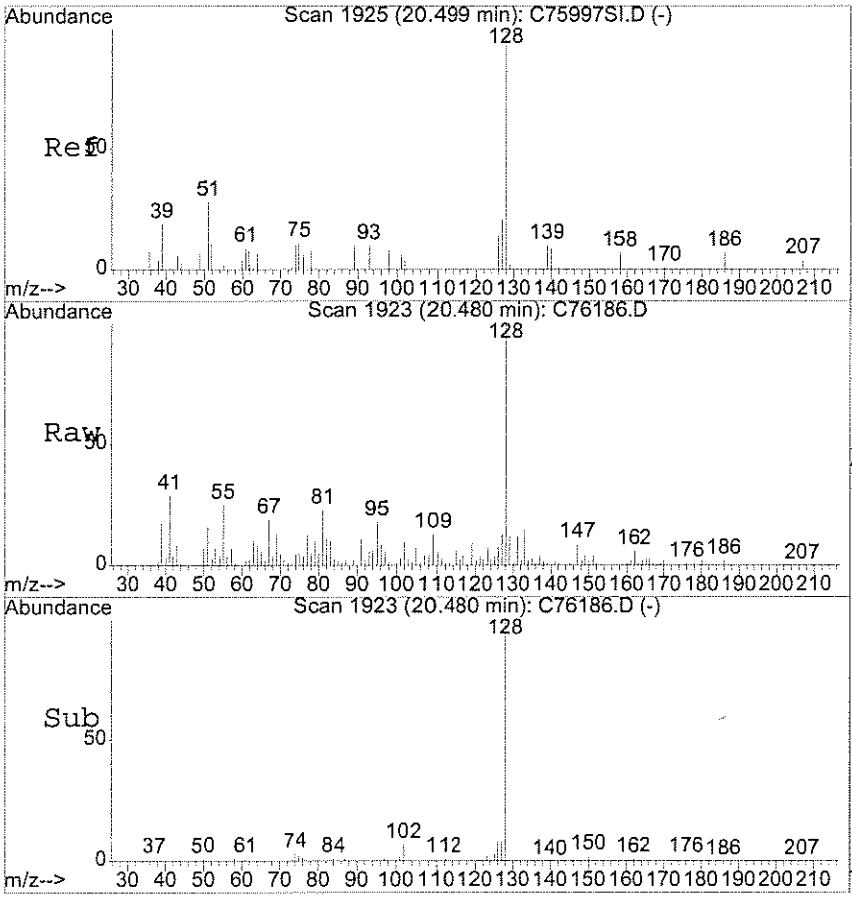


#92
1,2-Dibromo-3-chloropropane
Concen: 3.22 ug/L
RT: 18.67 min Scan# 1739
Delta R.T. -0.01 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

Tgt Ion: 75 Resp: 5459

Ion	Ratio	Lower	Upper
75	100		
155	0.0	66.6	106.6#
157	0.0	80.5	120.5#

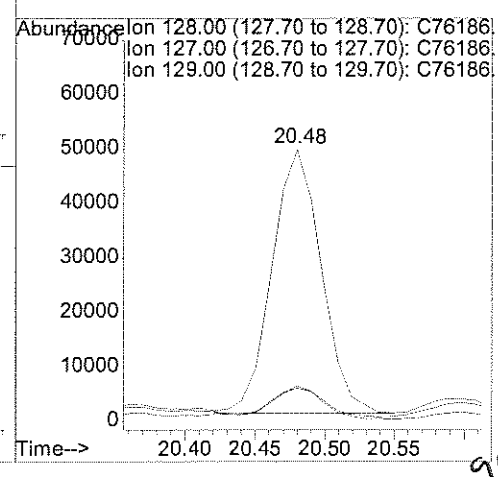




#96
Naphthalene
Concen: 5.89 ug/L
RT: 20.48 min Scan# 1923
Delta R.T. 0.01 min
Lab File: C76186.D
Acq: 13 Sep 2010 2:15 pm

Tgt Ion:128 Resp: 118841

Ion	Ratio	Lower	Upper
128	100		
127	12.7	0.0	32.4
129	10.8	0.0	30.7



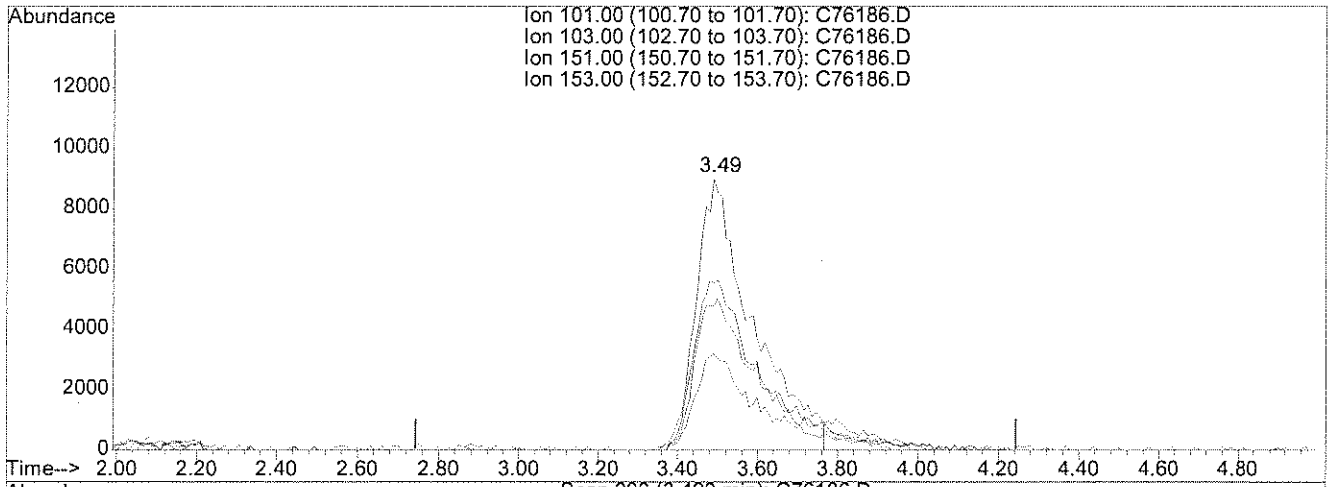
9/13/10

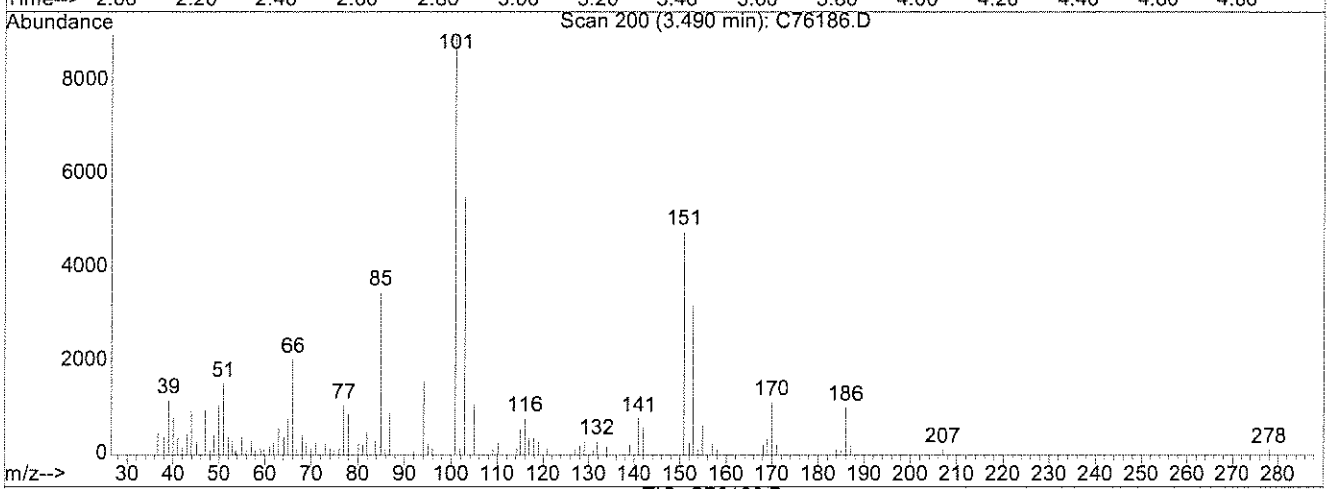
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76186.D Vial: 14
Acq On : 13 Sep 2010 2:15 pm Operator: MT
Sample : 67722-1 Inst : Instr_C
Misc : 50,10.57,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 14:52 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Multiple Level Calibration

MT 9/13/10
*Tailing





TIC: C76186.D

(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.49min 12.70ug/L

response 88515

Ion	Exp%	Act%
101.00	100	100
103.00	67.10	68.28
151.00	58.40	57.59
153.00	36.00	27.50#

9/13/10

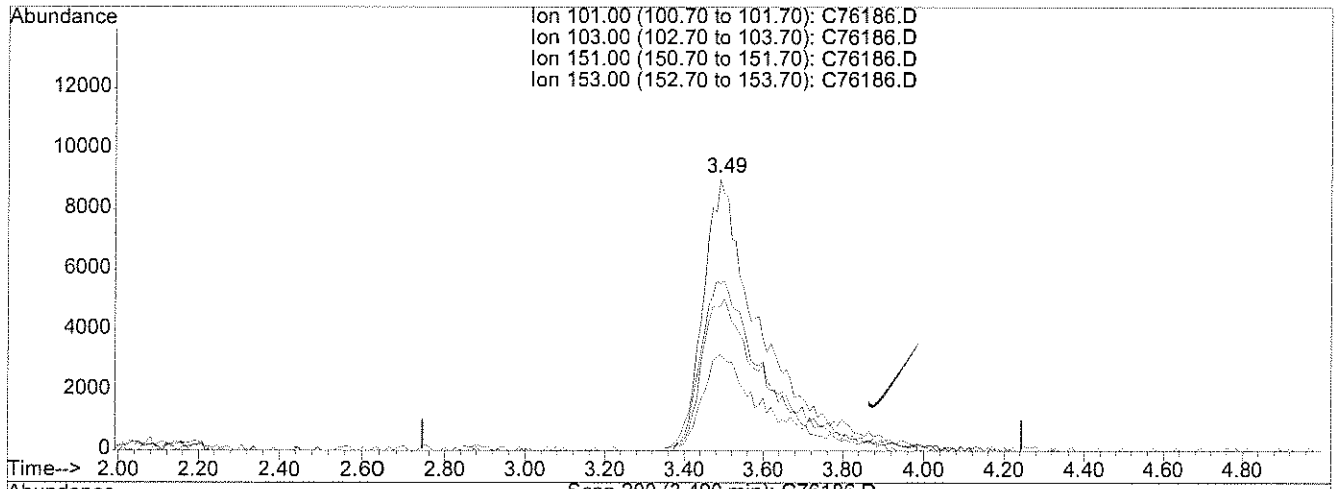
C76186.D V808100C.M Mon Sep 13 15:16:40 2010

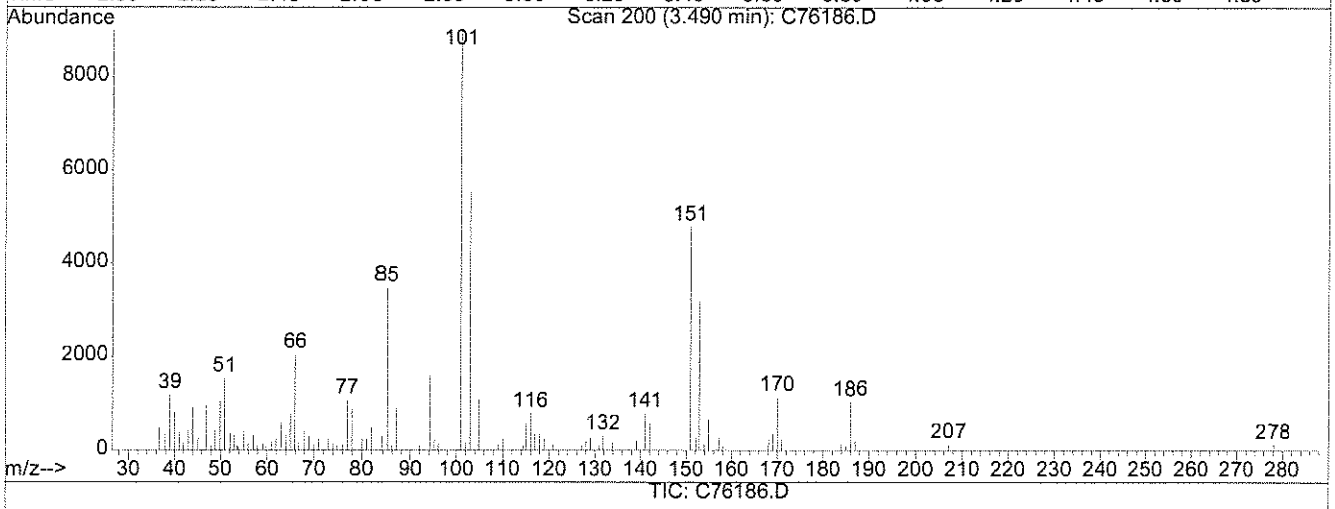
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76186.D Vial: 14
Acq On : 13 Sep 2010 2:15 pm Operator: MT
Sample : 67722-1 Inst : Instr_C
Misc : 50,10.57,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 15:16 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Multiple Level Calibration

MT 9/13/10





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.49min 13.68ug/L m

response 95374

Ion	Exp%	Act%
101.00	100	100
103.00	67.10	63.37
151.00	58.40	53.45
153.00	36.00	25.52#

09130

C76186.D V808100C.M Mon Sep 13 15:16:45 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

SAMPLE DATA

Lab Sample ID: 67722-2
Matrix: Solid
Percent Solid: 92
Dilution Factor: 106
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: IV-B82-GTM2-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	106	U	1,1,2-Trichloroethane	80	U
Chloromethane	106	U	1,3-Dichloropropane	106	U
Vinyl Chloride	106	U	Tetrachloroethene	106	U
Bromomethane	106	U	2-Hexanone	1060	U
Chloroethane	106	U	Dibromochloromethane	80	U
Trichlorofluoromethane	106	U	1,2-Dibromoethane	80	U
1,1-Dichloroethene	80	U	Chlorobenzene	106	U
Acetone	1060	U	1,1,1,2-Tetrachloroethane	106	U
Methyl iodide	106	U	Ethylbenzene	106	U
Carbon Disulfide	106	U	o-Xylene	106	U
Methylene Chloride	531	U	m,p-Xylene	106	U
trans-1,2-Dichloroethene	106	U	Styrene	106	U
Methyl-tert-butyl ether (MTBE)	80	U	Bromoform	80	U
1,1-Dichloroethane	106	U	Isopropylbenzene	106	U
Vinyl acetate	797	U	1,1,2,2-Tetrachloroethane	80	U
Methyl ethyl ketone	1060	U	Bromobenzene	106	U
cis-1,2-Dichloroethene	106	U	1,2,3-Trichloropropane	106	U
2,2-Dichloropropane	106	U	n-Propylbenzene	106	U
Bromochloromethane	106	U	2-Chlorotoluene	106	U
Chloroform	80	U	1,3,5-Trimethylbenzene	106	U
1,1,1-Trichloroethane	106	U	4-Chlorotoluene	106	U
1,1-Dichloropropene	106	U	tert-butylbenzene	106	U
Carbon Tetrachloride	106	U	1,2,4-Trimethylbenzene	106	**65 J**
1,2-Dichloroethane	80	U	sec-butylbenzene	106	**66 J**
Benzene	106	U	p-isopropyltoluene	106	**64 J**
Trichloroethene	106	U	1,3-Dichlorobenzene	106	U
1,2-Dichloropropane	80	U	1,4-Dichlorobenzene	106	U
Dibromomethane	106	U	n-butylbenzene	106	U
Bromodichloromethane	80	U	1,2-Dichlorobenzene	106	U
cis-1,3-Dichloropropene	106	U	1,2-Dibromo-3-chloropropane	106	U
Methyl isobutyl ketone	1060	U	1,2,4-Trichlorobenzene	106	U
Toluene	106	U	Hexachlorobutadiene	106	U
trans-1,3-Dichloropropene	106	U	Naphthalene	106	**219**
			1,2,3-Trichlorobenzene	106	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	82 %	d8-Toluene	88 %	Bromofluorobenzen	83 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A. Quantitation limits increased due to the presence of non-target analytes.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76187.D Vial: 15
Acq On : 13 Sep 2010 2:55 pm Operator: MT
Sample : 67722-2 Inst : Instr_C
Misc : 50,10.22,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 14:53 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10
DF = (5000)(10) / (50ml)(10.22g)(.9209) = 106

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	159727	20.00	ug/L	0.01
39) 1,4-Difluorobenzene	8.58	114	312559	20.00	ug/L	0.01
63) *d5-Chlorobenzene	13.11	117	278607	20.00	ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	117882	20.00	ug/L	0.01

System Monitoring Compounds						
28) DB Holder #28	7.97	65	100016	16.49	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	82.45%		
36) d4-1,2-Dichloroethane	7.97	65	100016	16.47	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	82.35%		
54) d8-Toluene	10.84	98	302801	17.57	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	87.85%		
73) Bromofluorobenzene	14.99	95	108567	16.56	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	82.80%		

Target Compounds							Qvalue
~~3)~~ Chloromethane	2.00	50	529	~~Below~~	Cal		89
~~5)~~ Bromomethane	2.53	94	385	~~0.92~~	ug/L	#	13
~~12)~~ Acetone	3.59	43	6484	~~Below~~	Cal	#	67
~~30)~~ Bromochloromethane	7.10	128	147	~~Below~~	Cal	#	8
~~31)~~ Tetrahydrofuran	7.22	71	282	~~Below~~	Cal	#	1
~~40)~~ Trichloroethene	9.06	95	456	~~Below~~	Cal	#	1
43) Methyl acetate	4.30	43	11168	0.78	ug/L	#	69
~~46)~~ Dibromomethane	9.73	93	566	~~Below~~	Cal	#	17
~~70)~~ Bromoform	14.65	173	481	~~0.85~~	ug/L		86
~~72)~~ 1,1,2,2-Tetrachloroethane	14.86	83	6173	~~0.96~~	ug/L	#	48
~~74)~~ 1,2,3-Trichloropropane	14.99	75	51400	~~10.50~~	ug/L	#	44
82) 1,2,4-Trimethylbenzene	16.09	105	11940	0.61	ug/L		84
~~83)~~ Diisobutylketone	15.12	57	151678	~~11.00~~	ug/L	#	41
84) sec-butylbenzene	16.37	105	15914	0.62	ug/L		96
85) p-isopropyltoluene	16.59	119	12325	0.60	ug/L		93
~~89)~~ n-butylbenzene	17.24	91	161313	~~8.74~~	ug/L	#	1
96) Naphthalene	20.48	128	32446	2.06	ug/L		96

4

091310

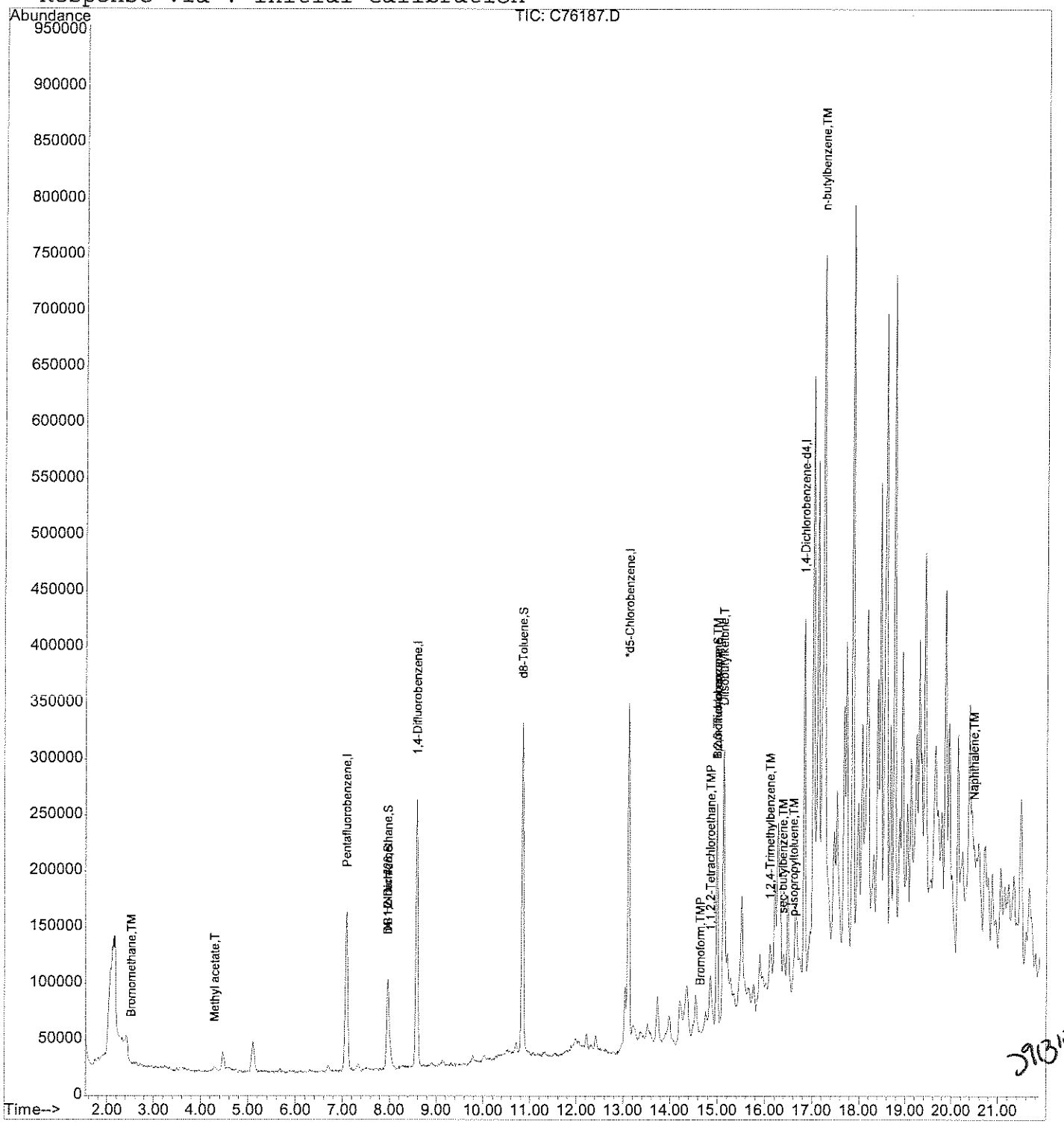
(#) = qualifier out of range (m) = manual integration
C76187.D V808100C.M Mon Sep 13 14:53:02 2010 Page 1

Quantitation Report

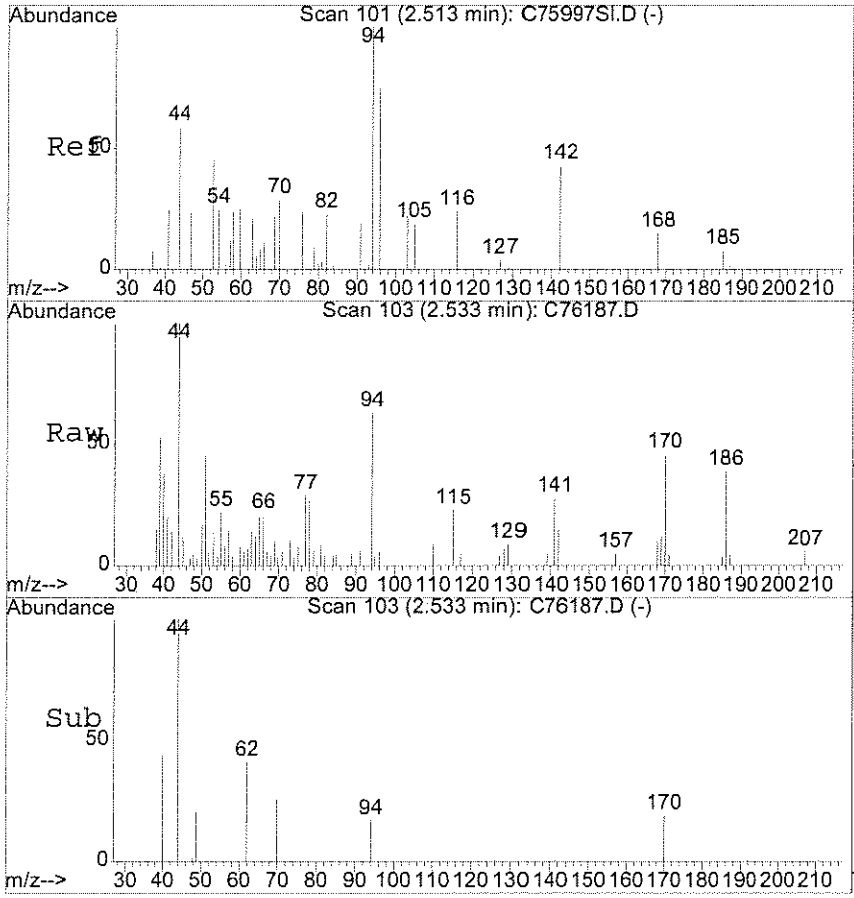
Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76187.D Vial: 15
Acq On : 13 Sep 2010 2:55 pm Operator: MT
Sample : 67722-2 Inst : Instr_C
Misc : 50,10.22,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 14:53 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/13/10



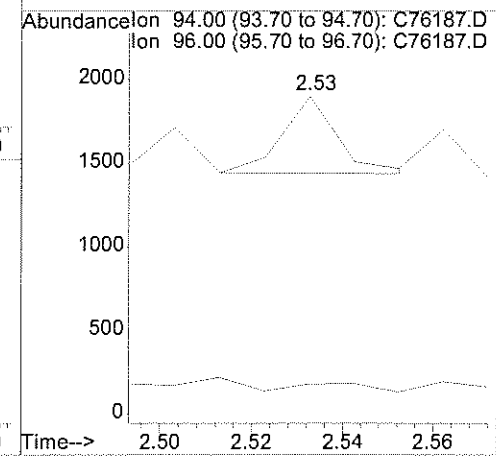
091310

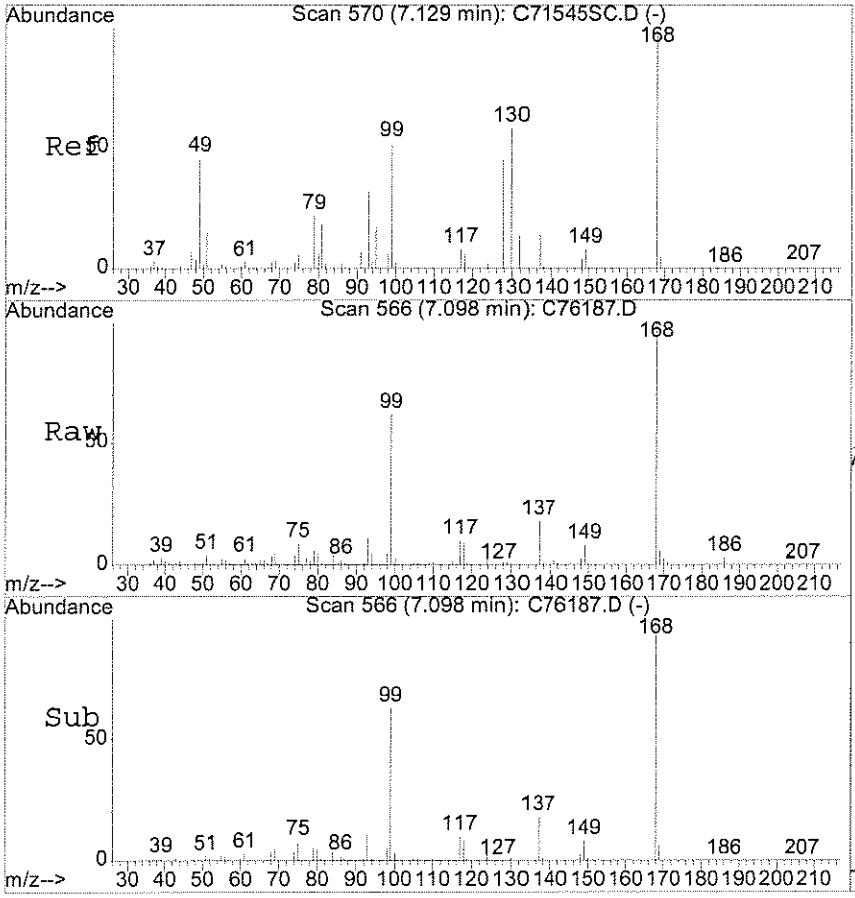


#5 MT 9/13/10
Bromomethane
Concen: 0.92 ug/L
RT: 2.53 min Scan# 103
Delta R.T. 0.06 min
Lab File: C76187.D
Acq: 13 Sep 2010 2:55 pm

Tgt Ion: 94 Resp: 385

Ion	Ratio	Lower	Upper
94	100		
96	10.5	75.4	115.4#

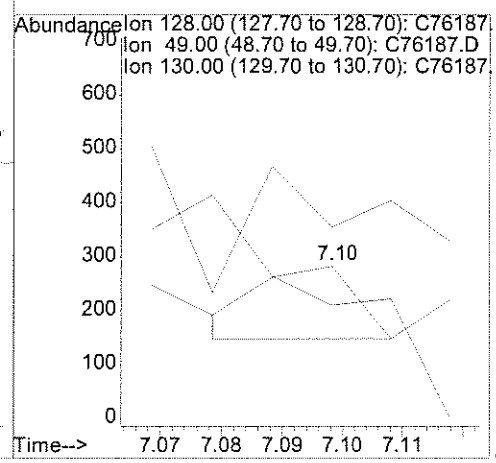




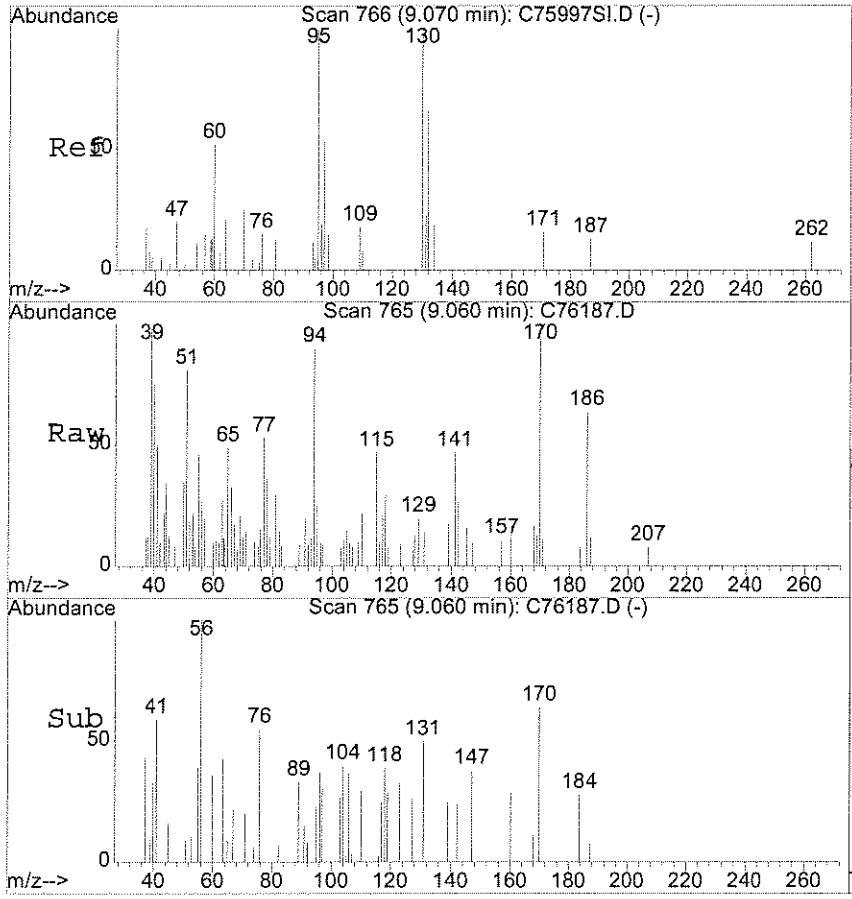
#30
Bromochloromethane
Concen: Below Cal
RT: 7.10 min Scan# 566
Delta R.T. -0.01 min
Lab File: C76187.D
Acq: 13 Sep 2010 2:55 pm

Tgt Ion:128 Resp: 147

Ion	Ratio	Lower	Upper
128	100		
49	0.0	175.1	215.1#
130	90.3	104.4	144.4#



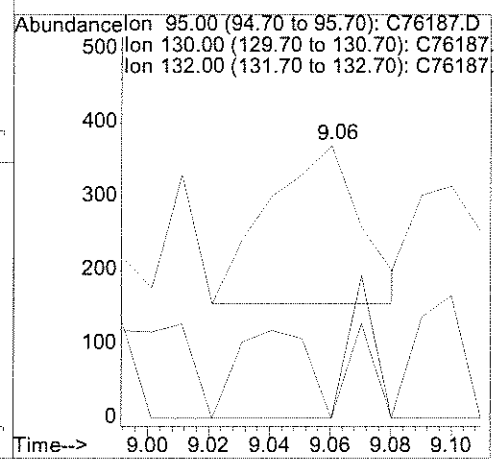
9/13/10

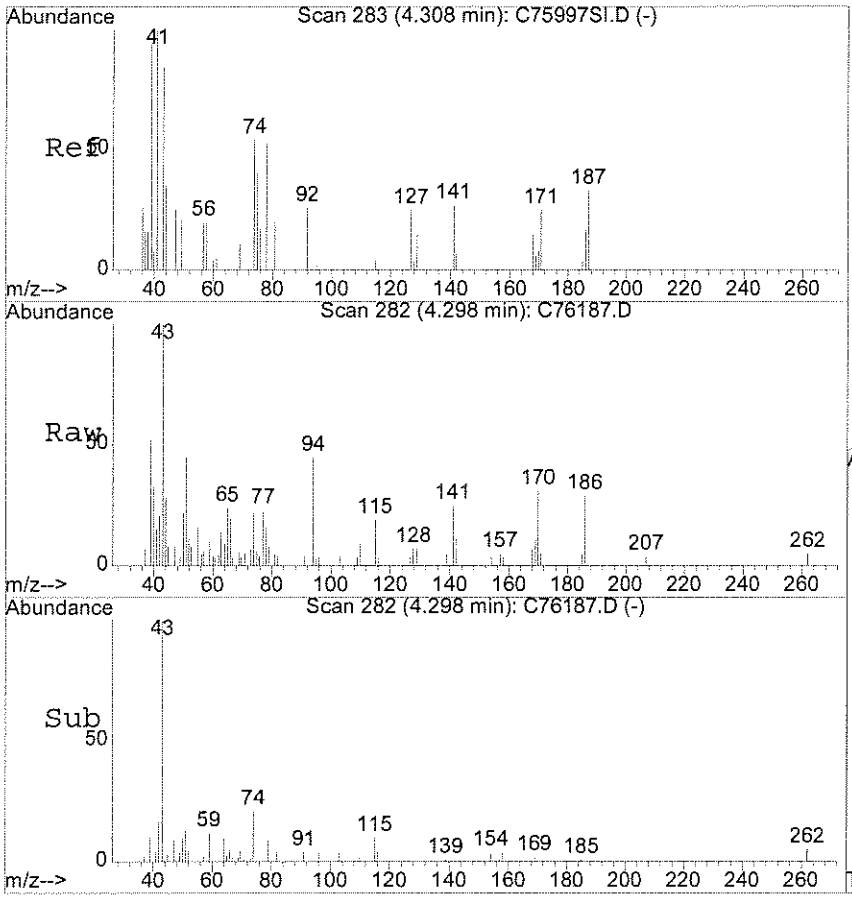


#40 MT 9/13/10
Trichloroethene
Concen: Below Cal
RT: 9.06 min Scan# 765
Delta R.T. 0.02 min
Lab File: C76187.D
Acq: 13 Sep 2010 2:55 pm

Tgt Ion: 95 Resp: 456

Ion	Ratio	Lower	Upper
95	100		
130	0.0	78.9	118.9#
132	0.0	74.5	114.5#



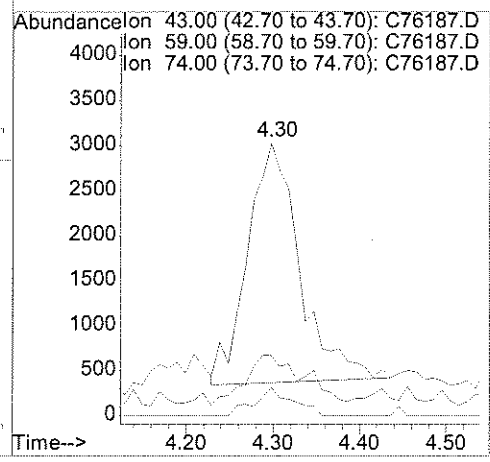


#43
Methyl acetate
Concen: 0.78 ug/L
RT: 4.30 min Scan# 282
Delta R.T. 0.02 min
Lab File: C76187.D
Acq: 13 Sep 2010 2:55 pm

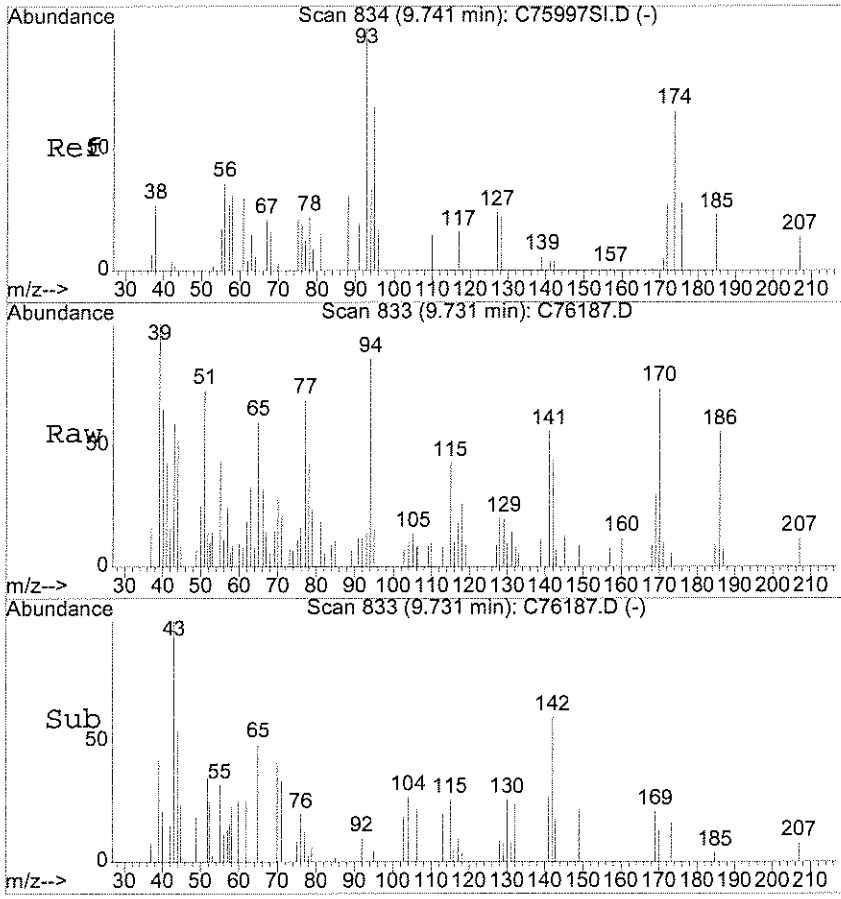
Tgt Ion: 43 Resp: 11168

Ion	Ratio	Lower	Upper
43	100		
59	8.7	4.2	6.4#
74	30.5	11.8	17.8#

NT



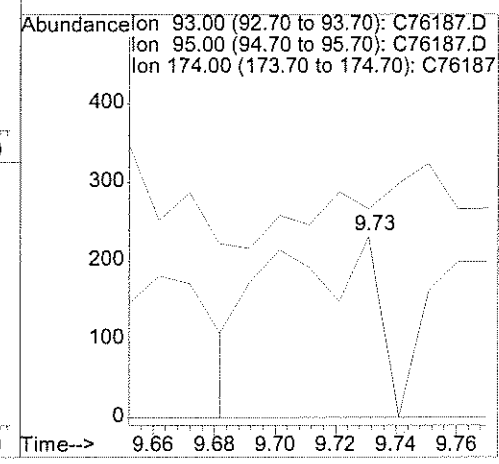
J71310

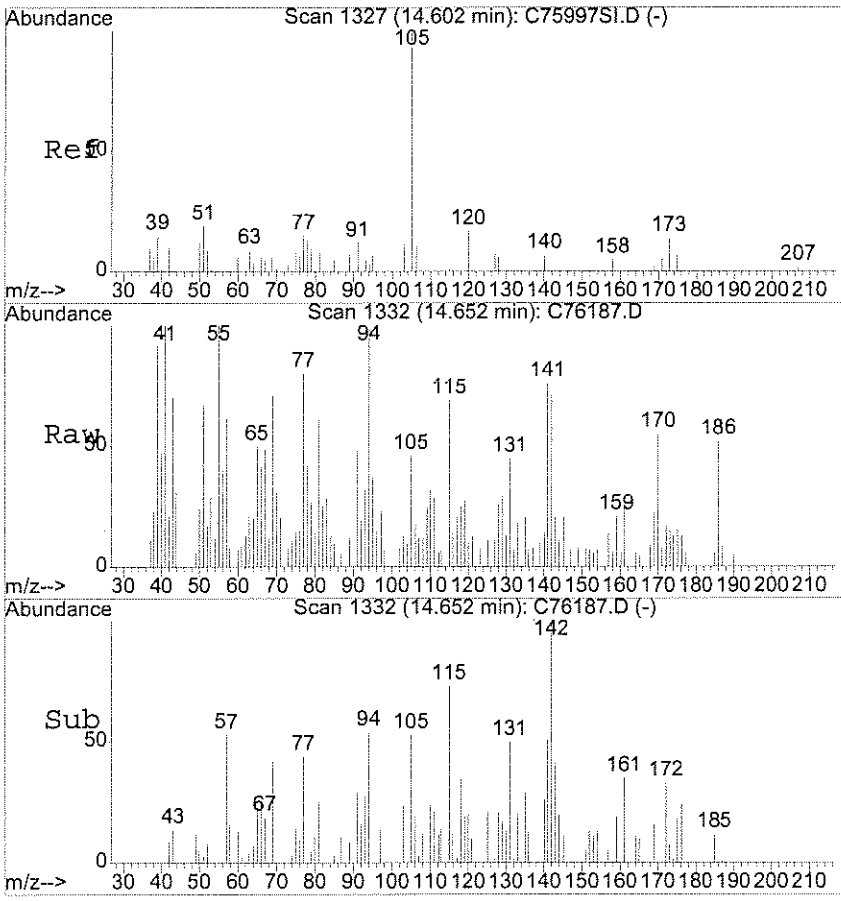


#46 MT 9/13/10
Dibromomethane
Concen: Below Cal
RT: 9.73 min Scan# 833
Delta R.T. 0.02 min
Lab File: C76187.D
Acq: 13 Sep 2010 2:55 pm

Tgt Ion: 93 Resp: 566

Ion	Ratio	Lower	Upper
93	100		
95	19.0	63.4	103.4#
174	0.0	68.6	108.6#

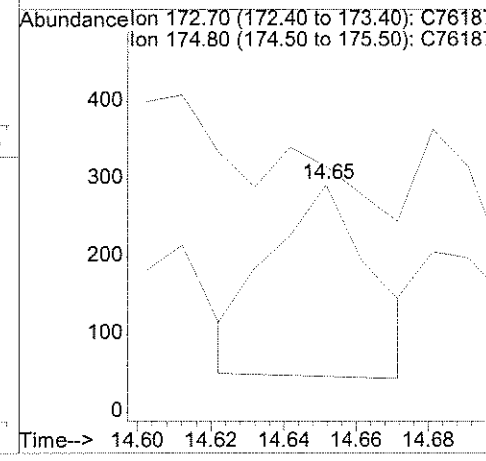




#70
Bromoform
Concen: 0.85 ug/L
RT: 14.65 min Scan# 1332
Delta R.T. 0.08 min
Lab File: C76187.D
Acq: 13 Sep 2010 2:55 pm

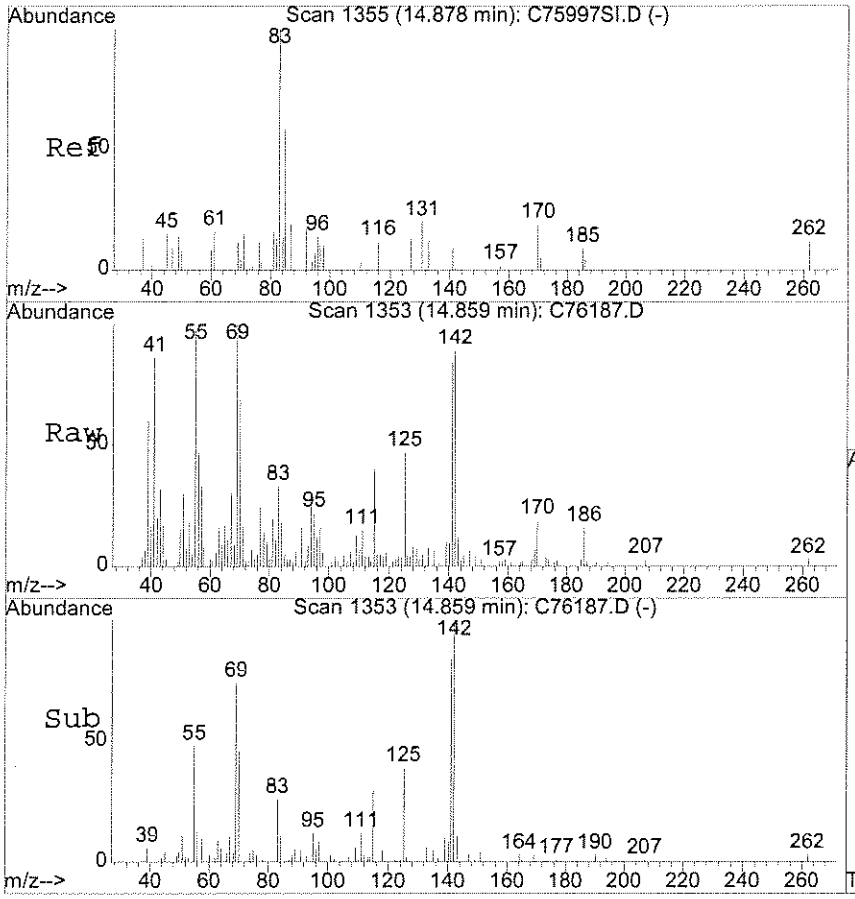
Tgt Ion:173 Resp: 481

Ion	Ratio	Lower	Upper
173	100		
175	40.3	30.0	70.0



9/13/10

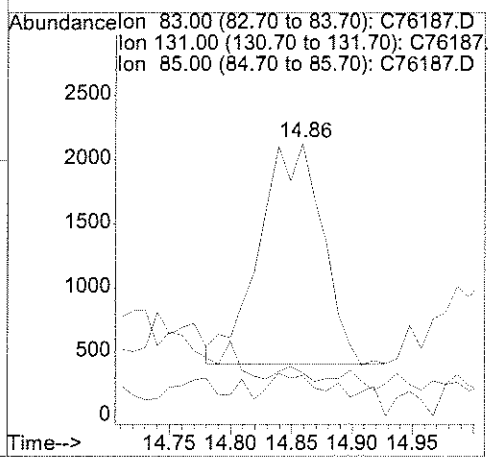
MT 9/13/10

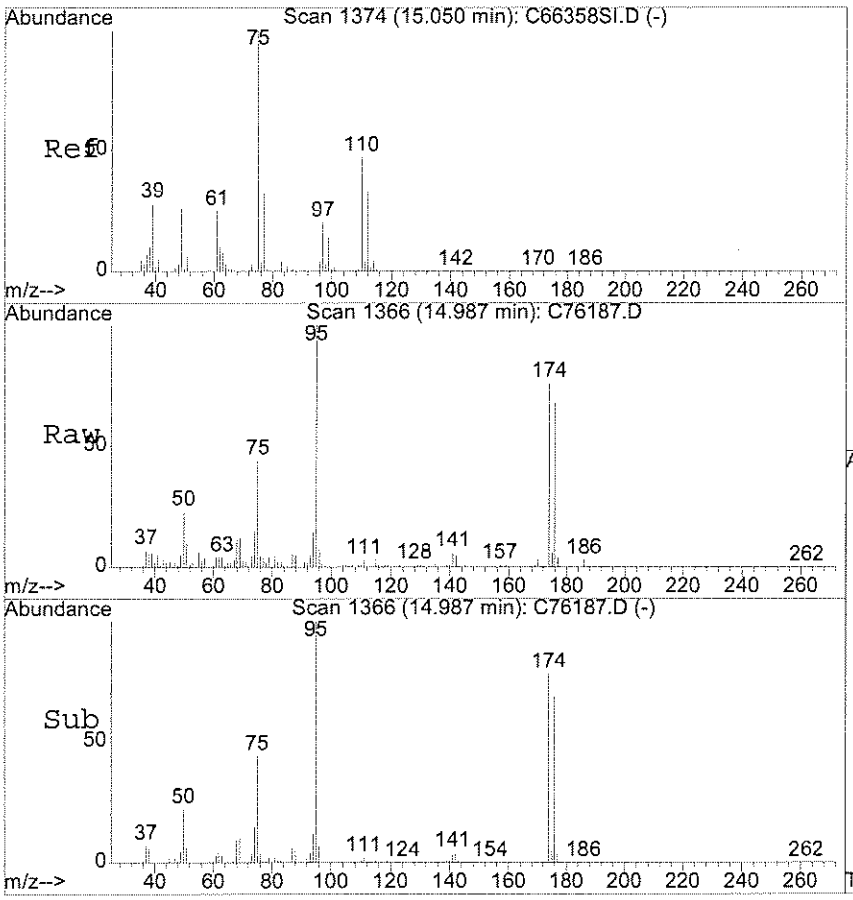


#72
1,1,2,2-Tetrachloroethane
Concen: 0.90 ug/L
RT: 14.86 min Scan# 1353
Delta R.T. -0.01 min
Lab File: C76187.D
Acq: 13 Sep 2010 2:55 pm

Tgt Ion: 83 Resp: 6173

Ion	Ratio	Lower	Upper
83	100		
131	5.1	0.0	18.3
85	18.4	53.1	73.1#

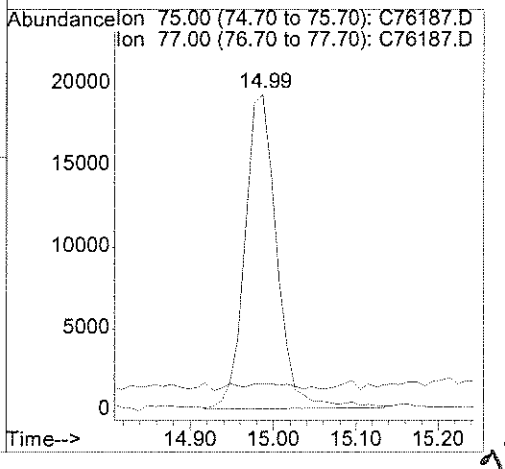




#74
1,2,3-Trichloropropane
Concen: 10.50 ug/L
RT: 14.99 min Scan# 1366
Delta R.T. -0.09 min
Lab File: C76187.D
Acq: 13 Sep 2010 2:55 pm

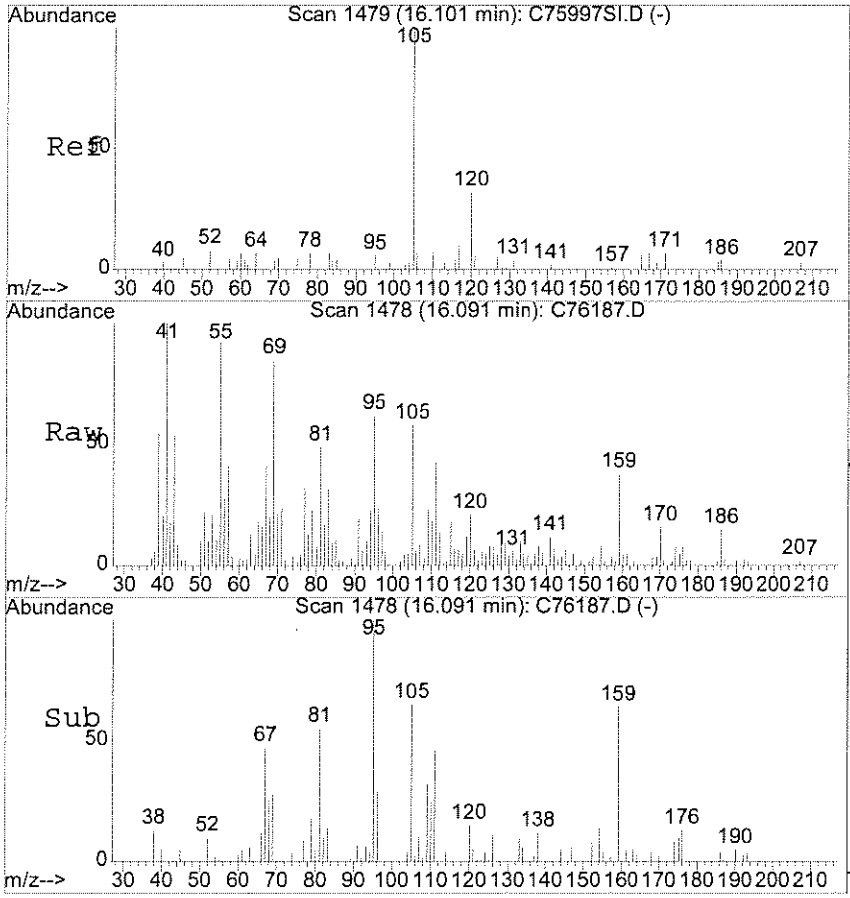
Tgt Ion: 75 Resp: 51400

Ion	Ratio	Lower	Upper
75	100		
77	0.3	25.8	35.8#



D7130

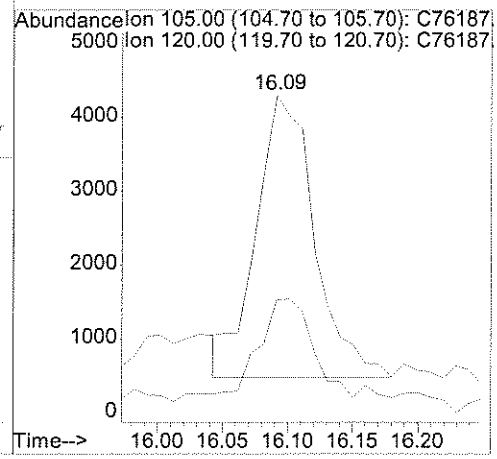
MT 9/13/10

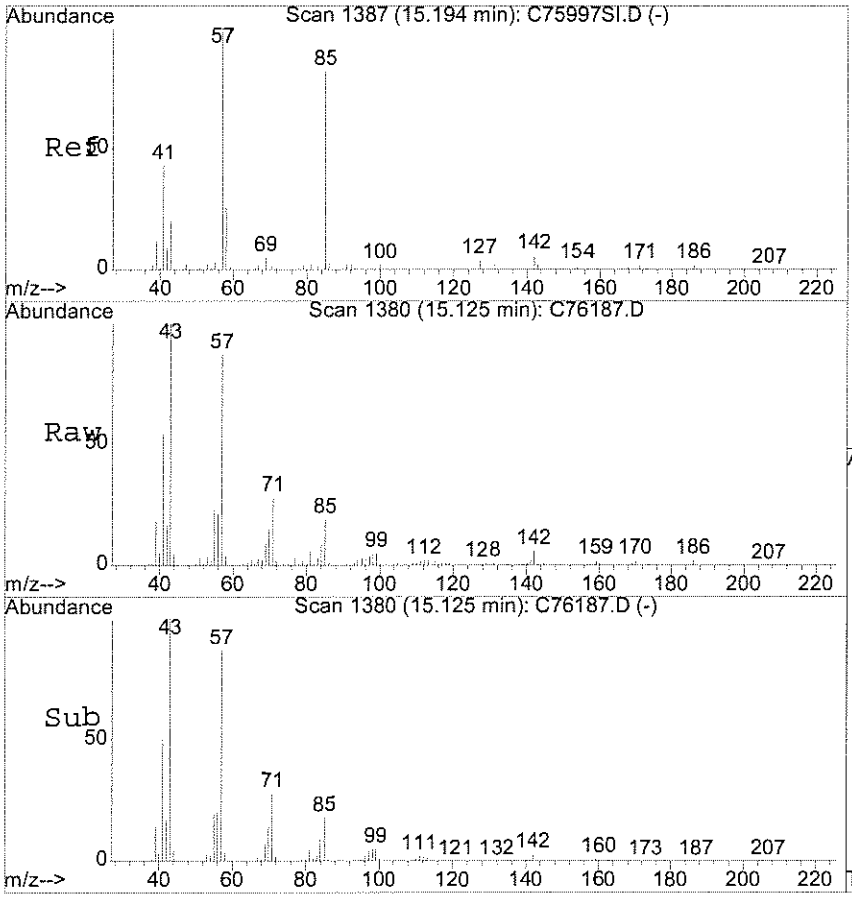


#82
1,2,4-Trimethylbenzene
Concen: 0.61 ug/L
RT: 16.09 min Scan# 1478
Delta R.T. 0.01 min
Lab File: C76187.D
Acq: 13 Sep 2010 2:55 pm

Tgt Ion:105 Resp: 11940

Ion	Ratio	Lower	Upper
105	100		
120	34.8	25.2	65.2

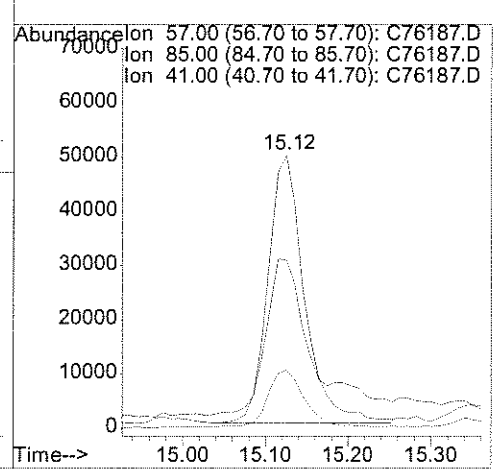




#83
Diisobutylketone
Concen: 11.00 ug/L
RT: 15.12 min Scan# 1380
Delta R.T. -0.05 min
Lab File: C76187.D
Acq: 13 Sep 2010 2:55 pm

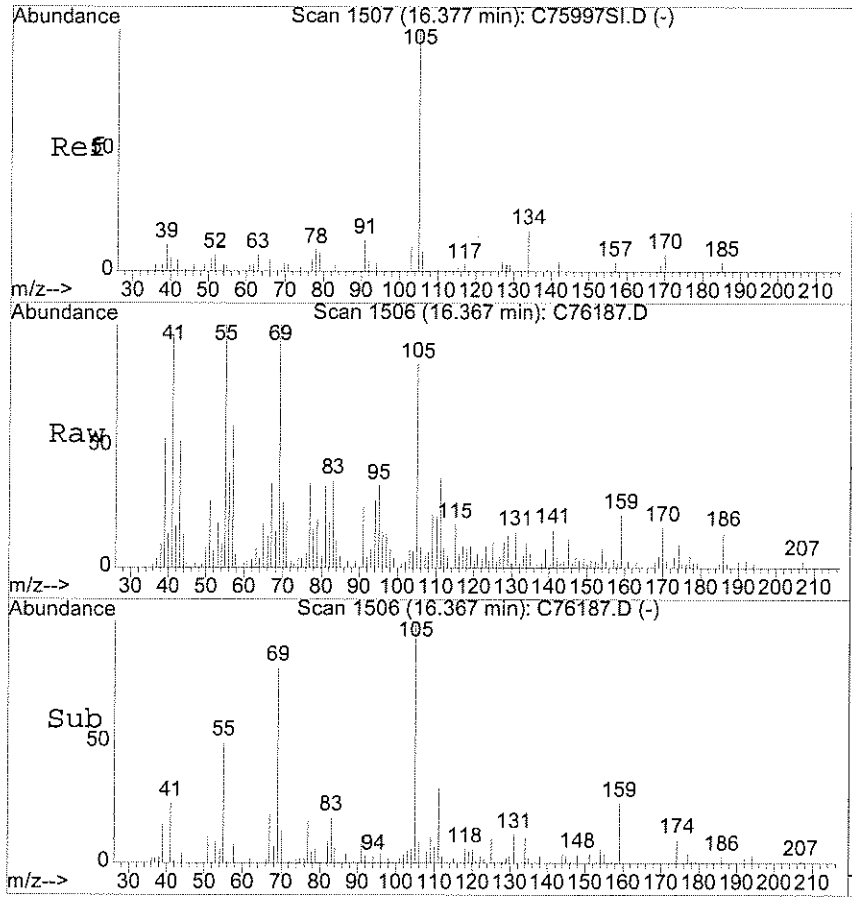
Tgt Ion: 57 Resp: 151678

Ion	Ratio	Lower	Upper
57	100		
85	21.1	63.3	94.9#
41	74.9	36.1	54.1#



J711310

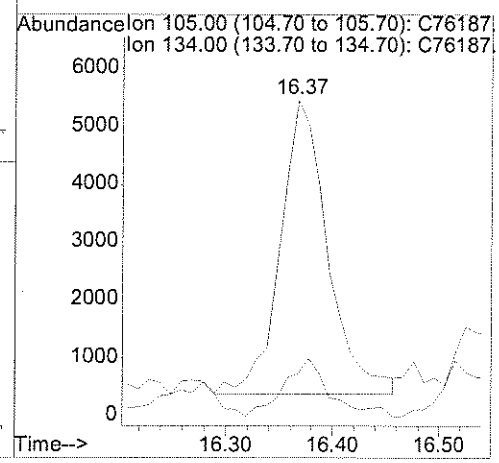
MT 9/13/10

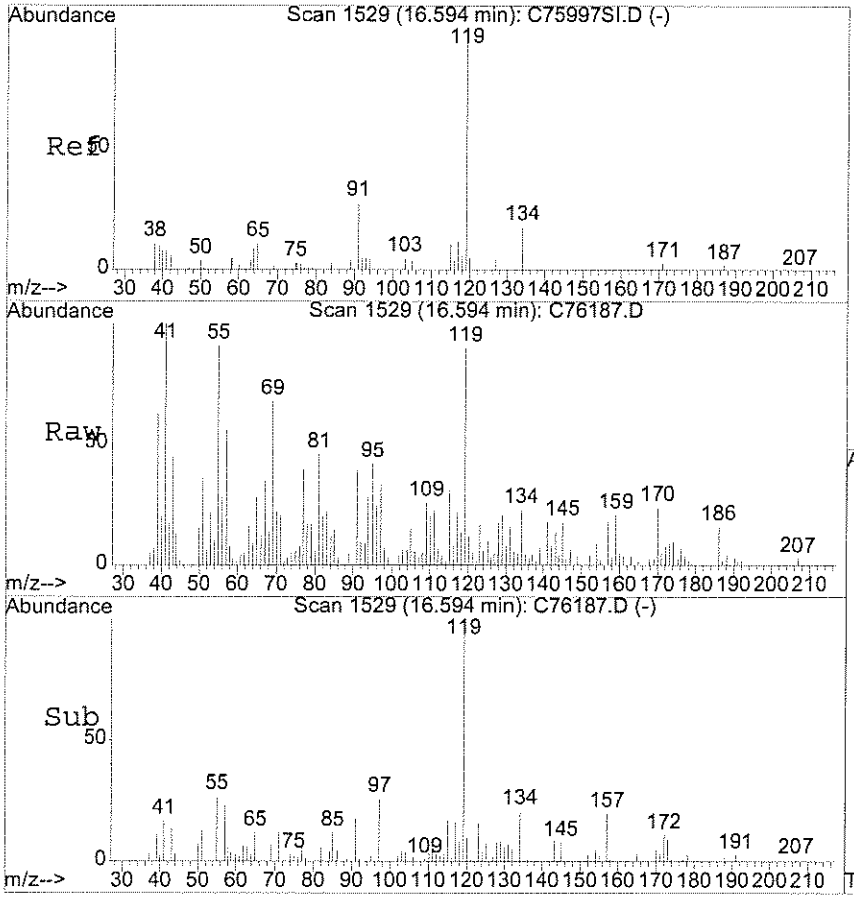


#84
sec-butylbenzene
Concen: 0.62 ug/L
RT: 16.37 min Scan# 1506
Delta R.T. 0.01 min
Lab File: C76187.D
Acq: 13 Sep 2010 2:55 pm

Tgt Ion:105 Resp: 15914

Ion	Ratio	Lower	Upper
105	100		
134	14.5	0.0	36.1

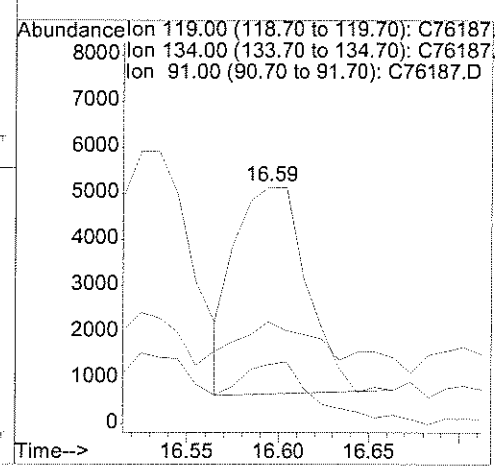




#85
p-isopropyltoluene
Concen: 0.60 ug/L
RT: 16.59 min Scan# 1529
Delta R.T. 0.01 min
Lab File: C76187.D
Acq: 13 Sep 2010 2:55 pm

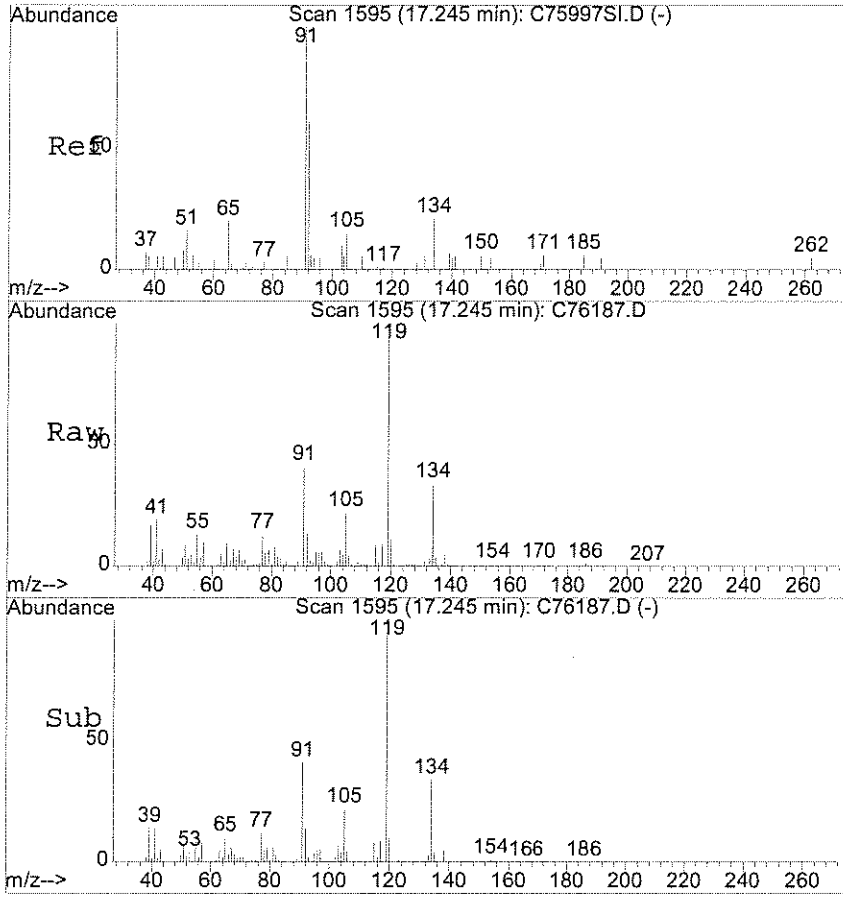
Tgt Ion:119 Resp: 12325

Ion	Ratio	Lower	Upper
119	100		
134	24.9	4.0	44.0
91	17.7	3.7	43.7



09/13/10

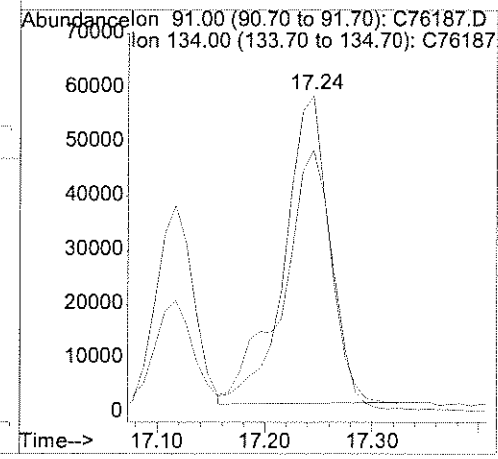
MT 9/13/10

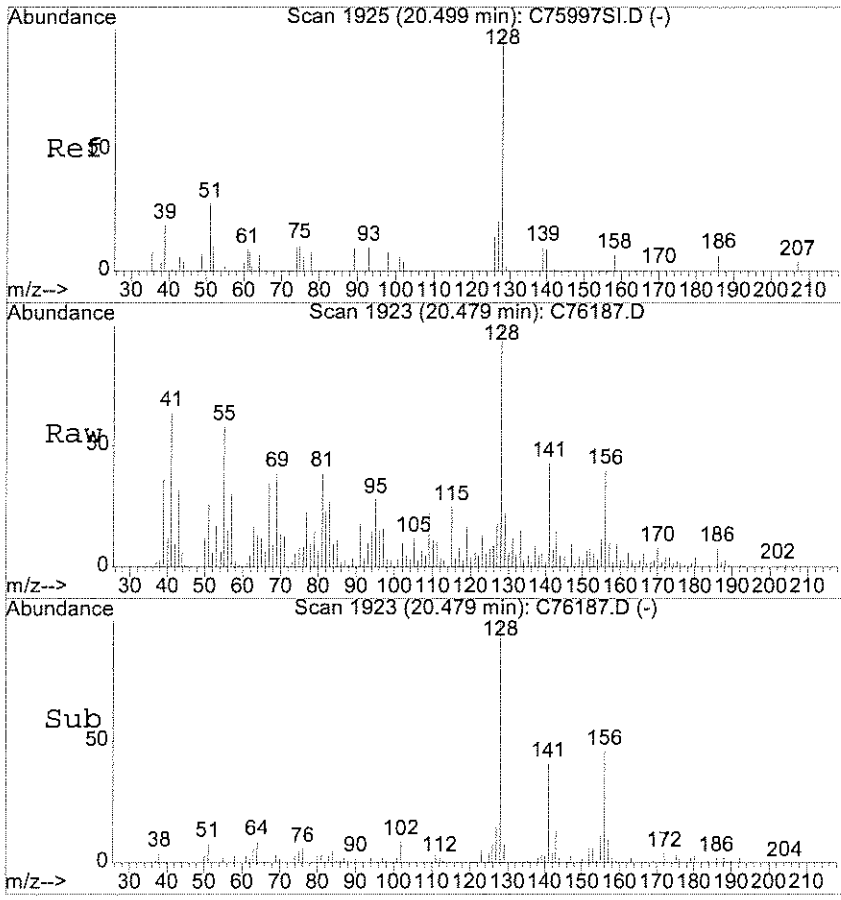


#89
n-butylbenzene
Concen: 8.74 ug/L
RT: 17.24 min Scan# 1595
Delta R.T. 0.02 min
Lab File: C76187.D
Acq: 13 Sep 2010 2:55 pm

Tgt Ion: 91 Resp: 161313

Ion	Ratio	Lower	Upper
91	100		
134	84.2	3.1	43.1#

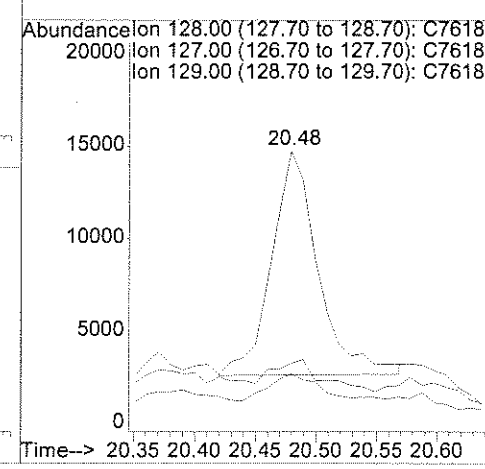




#96
Naphthalene
Concen: 2.06 ug/L
RT: 20.48 min Scan# 1923
Delta R.T. 0.01 min
Lab File: C76187.D
Acq: 13 Sep 2010 2:55 pm

Tgt Ion:128 Resp: 32446

Ion	Ratio	Lower	Upper
128	100		
127	10.4	0.0	32.4
129	9.9	0.0	30.7



9/13/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

SAMPLE DATA

Lab Sample ID: 67722-3
Matrix: Solid
Percent Solid: 91
Dilution Factor: 112
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: IV-B82-GTM3-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	112	U	1,1,2-Trichloroethane	84	U
Chloromethane	112	U	1,3-Dichloropropane	112	U
Vinyl Chloride	112	U	Tetrachloroethene	112	U
Bromomethane	112	U	2-Hexanone	1120	U
Chloroethane	112	U	Dibromochloromethane	84	U
Trichlorofluoromethane	112	U	1,2-Dibromoethane	84	U
1,1-Dichloroethene	84	U	Chlorobenzene	112	U
Acetone	1120	U	1,1,1,2-Tetrachloroethane	112	U
Methyl iodide	112	U	Ethylbenzene	112	U
Carbon Disulfide	112	U	o-Xylene	112	U
Methylene Chloride	559	U	m,p-Xylene	112	U
trans-1,2-Dichloroethene	112	U	Styrene	112	U
Methyl-tert-butyl ether (MTBE)	84	U	Bromoform	84	U
1,1-Dichloroethane	112	U	Isopropylbenzene	112	U
Vinyl acetate	838	U	1,1,2,2-Tetrachloroethane	84	U
Methyl ethyl ketone	1120	U	Bromobenzene	112	U
cis-1,2-Dichloroethene	112	U	1,2,3-Trichloropropane	112	U
2,2-Dichloropropane	112	U	n-Propylbenzene	112	U
Bromochloromethane	112	U	2-Chlorotoluene	112	U
Chloroform	84	U	1,3,5-Trimethylbenzene	112	U
1,1,1-Trichloroethane	112	U	4-Chlorotoluene	112	U
1,1-Dichloropropene	112	U	tert-butylbenzene	112	U
Carbon Tetrachloride	112	U	1,2,4-Trimethylbenzene	112	U
1,2-Dichloroethane	84	U	sec-butylbenzene	112	U
Benzene	112	U	p-isopropyltoluene	112	U
Trichloroethene	112	U	1,3-Dichlorobenzene	112	U
1,2-Dichloropropane	84	U	1,4-Dichlorobenzene	112	U
Dibromomethane	112	U	n-butylbenzene	112	U
Bromodichloromethane	84	U	1,2-Dichlorobenzene	112	U
cis-1,3-Dichloropropene	112	U	1,2-Dibromo-3-chloropropane	112	U
Methyl isobutyl ketone	1120	U	1,2,4-Trichlorobenzene	112	U
Toluene	112	U	Hexachlorobutadiene	112	U
trans-1,3-Dichloropropene	112	U	Naphthalene	112	U
			1,2,3-Trichlorobenzene	112	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	80 %	d8-Toluene	84 %	Bromofluorobenzen	86 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A. Quantitation limits increased due to the presence of non-target analytes.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76188.D Vial: 16
Acq On : 13 Sep 2010 3:25 pm Operator: MT
Sample : 67722-3 Inst : Instr_C
Misc : 50,9.84,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 15:28 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

DF = (5000)(10) / (5ml)(9.84g)(.9096) = 112

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	226869	20.00 ug/L	0.02
39) 1,4-Difluorobenzene	8.58	114	458435 ✓	20.00 ug/L	0.02
63) *d5-Chlorobenzene	13.11	117	387194	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.83	152	157693	20.00 ug/L	0.02

System Monitoring Compounds					
28) DB Holder #28	7.97	65	138362	16.06 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	80.30% ✓	
36) d4-1,2-Dichloroethane	7.97	65	138362	16.04 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	80.20% ✓	
54) d8-Toluene	10.84	98	426257	16.86 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	84.30% ✓	
73) Bromofluorobenzene	14.99	95	156535	17.18 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	85.90% ✓	

Target Compounds					Qvalue
~~3)~~ Chlorometh~~ane~~	1.94	50	1634	~~Below~~ Cal #	43
~~5)~~ Bromomethane	2.45	94	792	~~0.96~~ ug/L #	40
~~12)~~ Acetone	3.58	43	18837	<10 ~~3.05~~ ug/L	96
~~21)~~ 1,1-Dichloroethane	5.66	63	630	~~Below~~ Cal #	51
~~30)~~ Bromochloromethane	7.08	128	540	~~Below~~ Cal #	54
~~31)~~ Tetrahydrofuran	7.21	71	291	~~Below~~ Cal #	1
~~40)~~ Trichloroethene	9.03	95	362	~~Below~~ Cal #	4
~~46)~~ Dibromomethane	9.73	93	309	~~Below~~ Cal #	6
~~70)~~ Bromoform	14.56	173	160	~~0.75~~ ug/L #	27
~~72)~~ 1,1,2,2-Tetrachloroethane	14.85	83	19190	~~2.01~~ ug/L #	36
~~74)~~ 1,2,3-Trichloropropane	14.99	75	68887	~~10.09~~ ug/L #	46
~~83)~~ Diisobutylketone	15.12	57	34119	~~1.78~~ ug/L #	37
~~89)~~ n-butylbenzene	17.24	91	115702	~~4.69~~ ug/L #	1
~~92)~~ 1,2-Dibromo-3-chloropropan	18.68	75	941	~~Below~~ Cal #	29
~~96)~~ Naphthalene	20.48	128	25333	~~1.20~~ ug/L	79

ND

091310

*Cannot run low - too much MT contamination, see C-gram

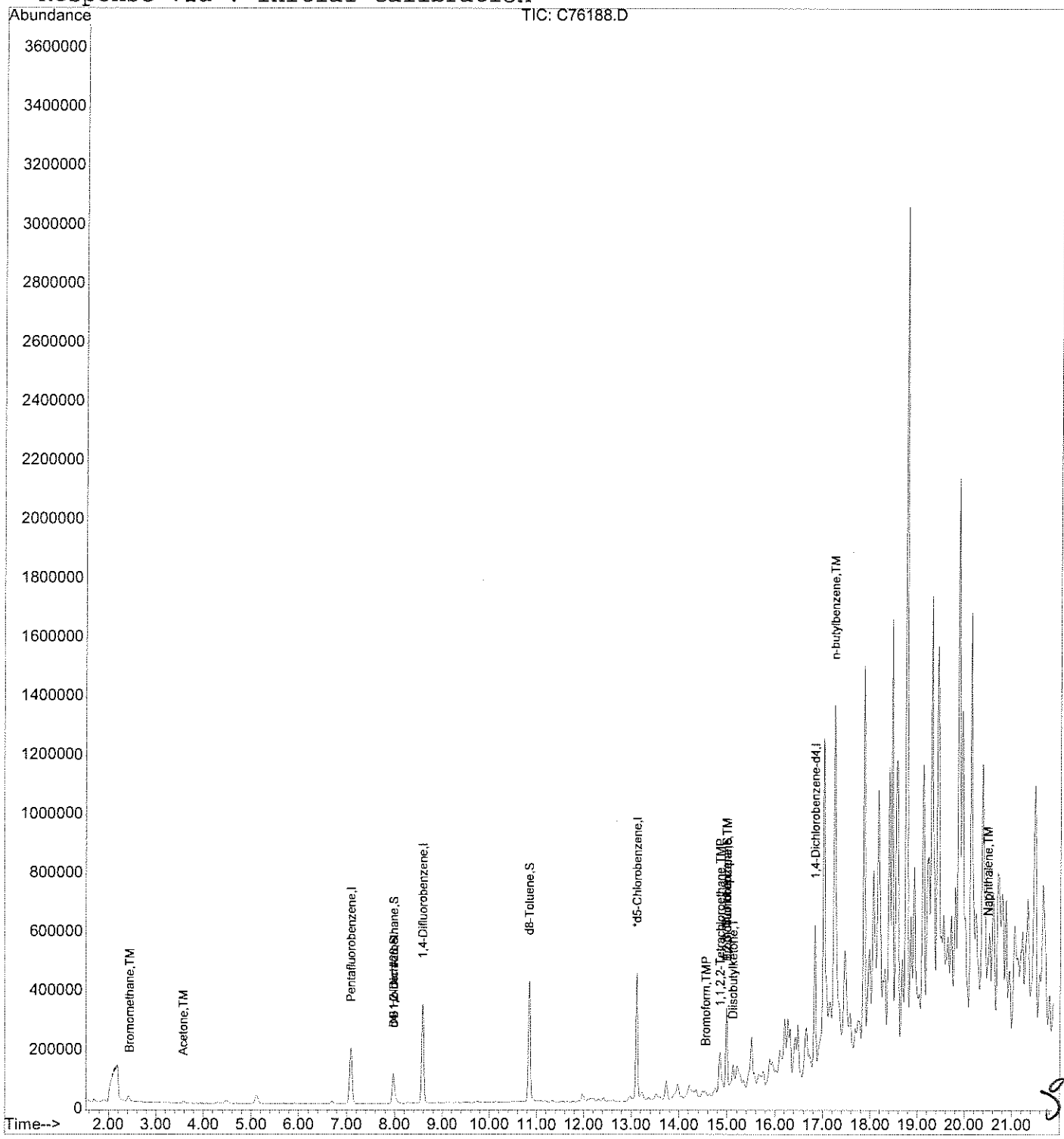
(#) = qualifier out of range (m) = manual integration
C76188.D V808100C.M Mon Sep 13 15:28:27 2010 Page 1

Quantitation Report

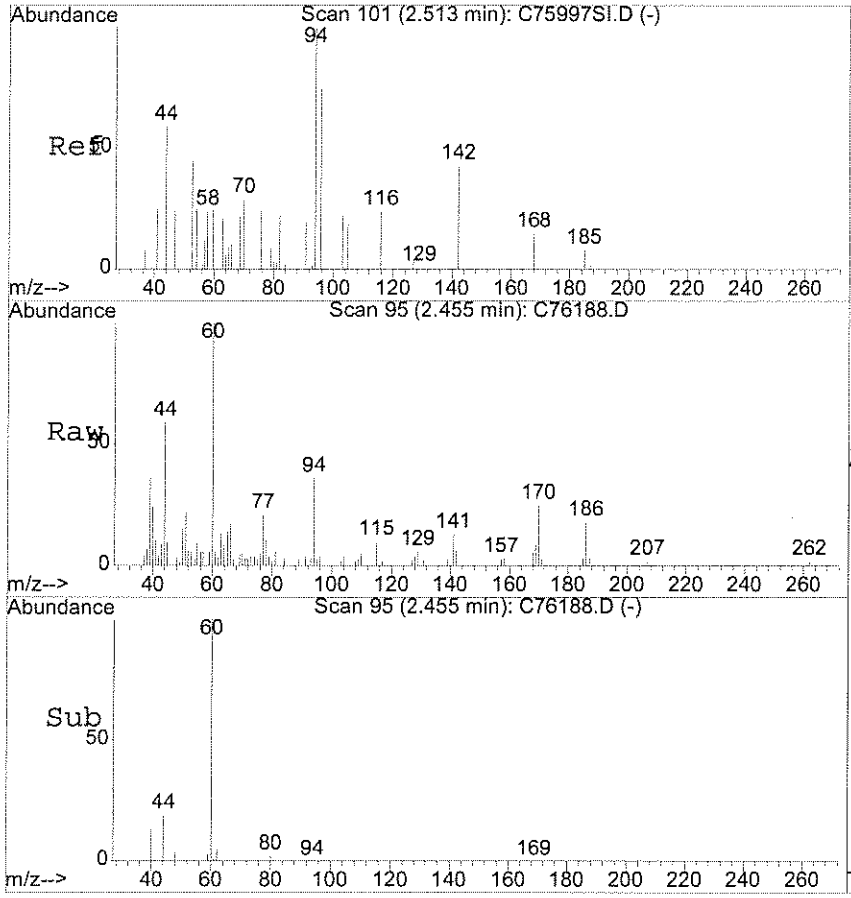
Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76188.D Vial: 16
Acq On : 13 Sep 2010 3:25 pm Operator: MT
Sample : 67722-3 Inst : Instr_C
Misc : 50,9.84,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 15:28 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/13/10



9/13/10

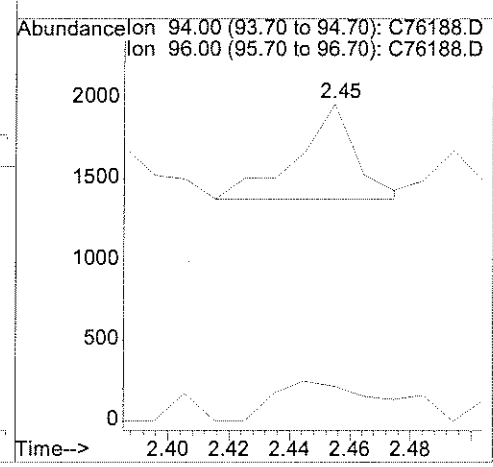


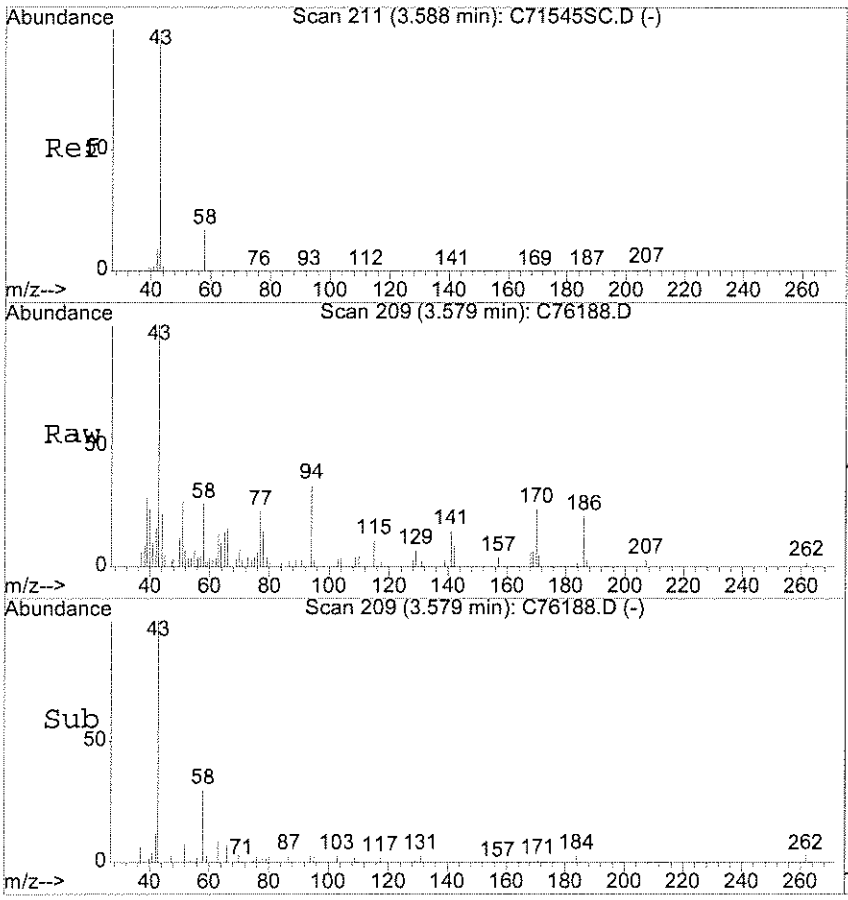
#5 MT 9/13/10
Bromomethane
Concen: 0.96 ug/L
RT: 2.45 min Scan# 95
Delta R.T. -0.01 min
Lab File: C76188.D
Acq: 13 Sep 2010 3:25 pm

Tgt Ion: 94 Resp: 792

Ion	Ratio	Lower	Upper
94	100		
96	36.9	75.4	115.4#

X





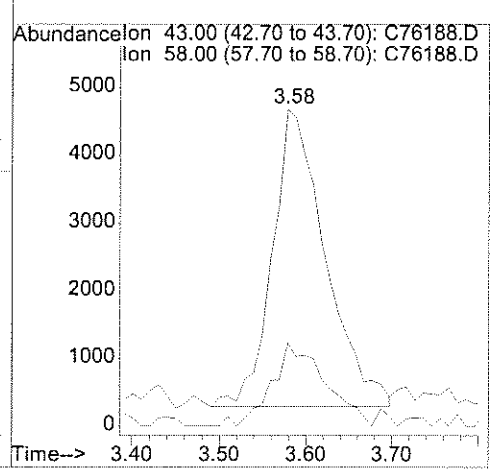
#12
Acetone
Concen: 3.05 ug/L
RT: 3.58 min Scan# 209
Delta R.T. 0.03 min
Lab File: C76188.D
Acq: 13 Sep 2010 3:25 pm

Tgt Ion: 43 Resp: 18837

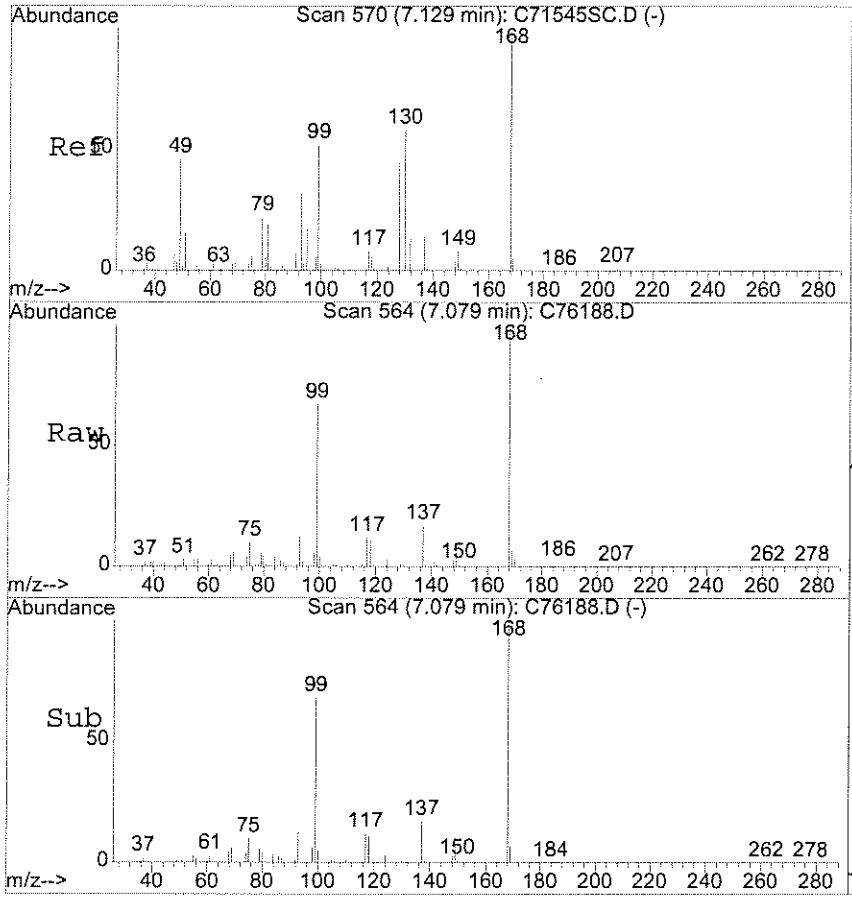
Ion	Ratio	Lower	Upper
43	100		
58	28.1	20.9	31.3

X

<10



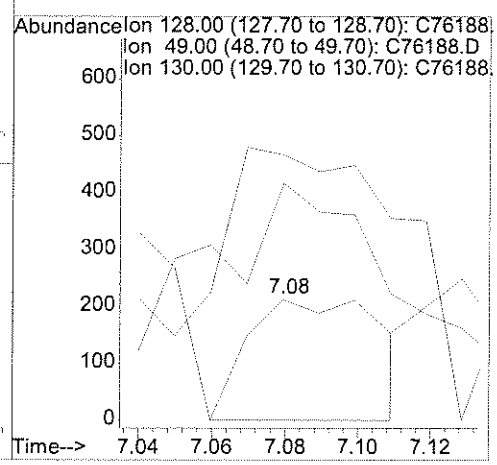
571310

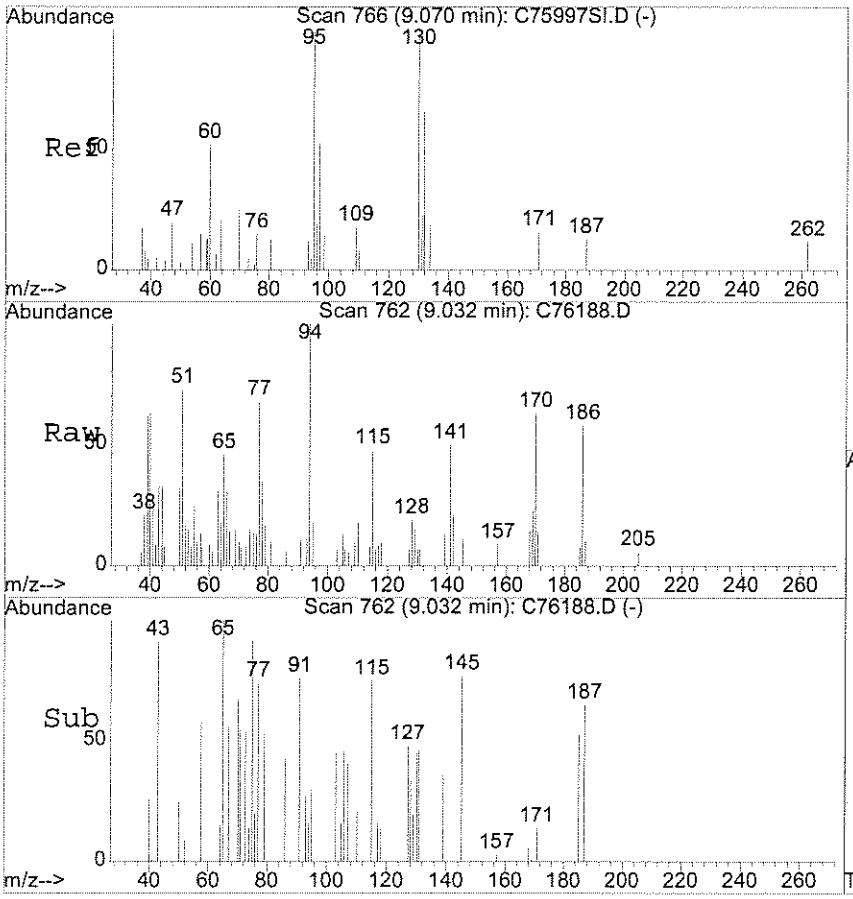


#30 MT 9/13/10
Bromochloromethane
Concen: Below Cal
RT: 7.08 min Scan# 564
Delta R.T. -0.02 min
Lab File: C76188.D
Acq: 13 Sep 2010 3:25 pm

Tgt Ion:128 Resp: 540

Ion	Ratio	Lower	Upper
128	100		
49	91.5	175.1	215.1#
130	114.2	104.4	144.4

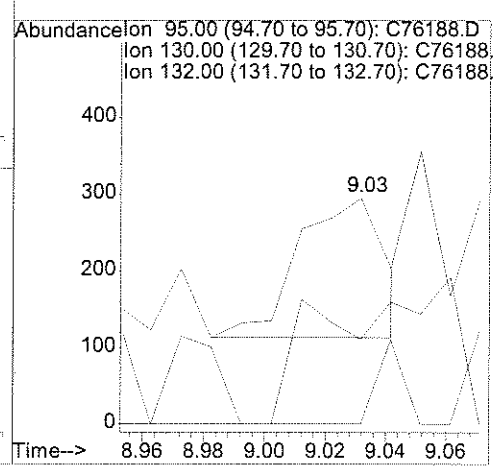




#40
Trichloroethene
Concen: Below Cal
RT: 9.03 min Scan# 762
Delta R.T. -0.00 min
Lab File: C76188.D
Acq: 13 Sep 2010 3:25 pm

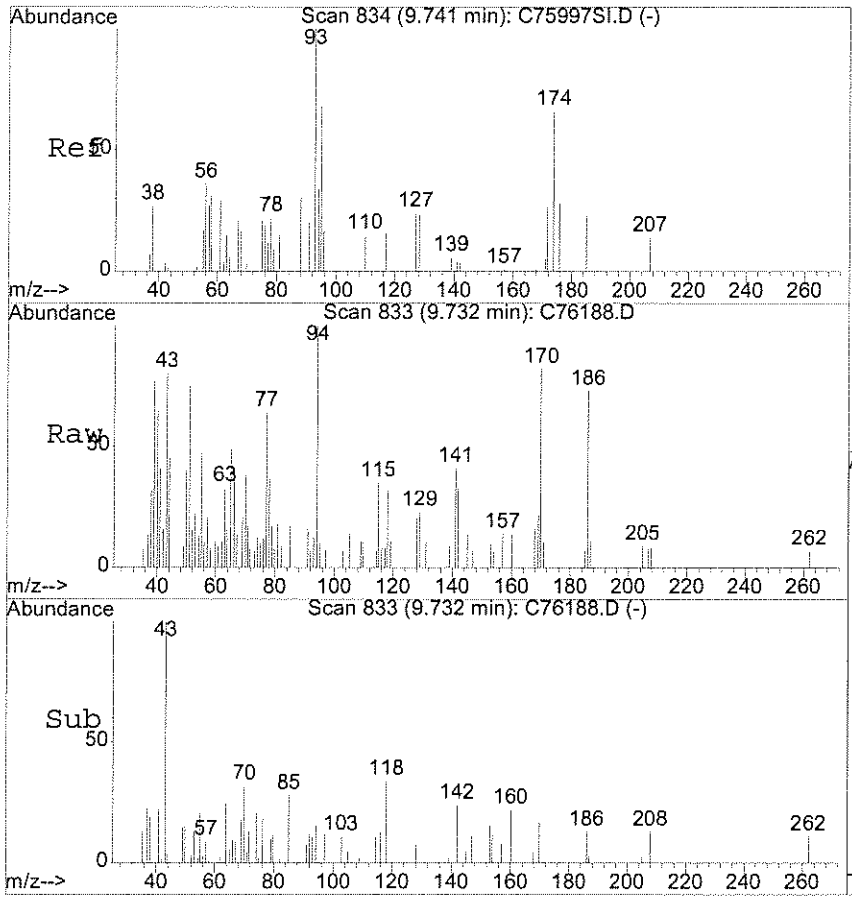
Tgt Ion: 95 Resp: 362

Ion	Ratio	Lower	Upper
95	100		
130	5.5	78.9	118.9#
132	0.0	74.5	114.5#



9/13/10

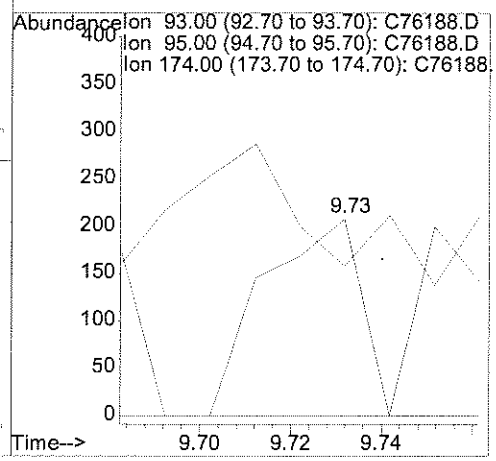
MT 9/13/10

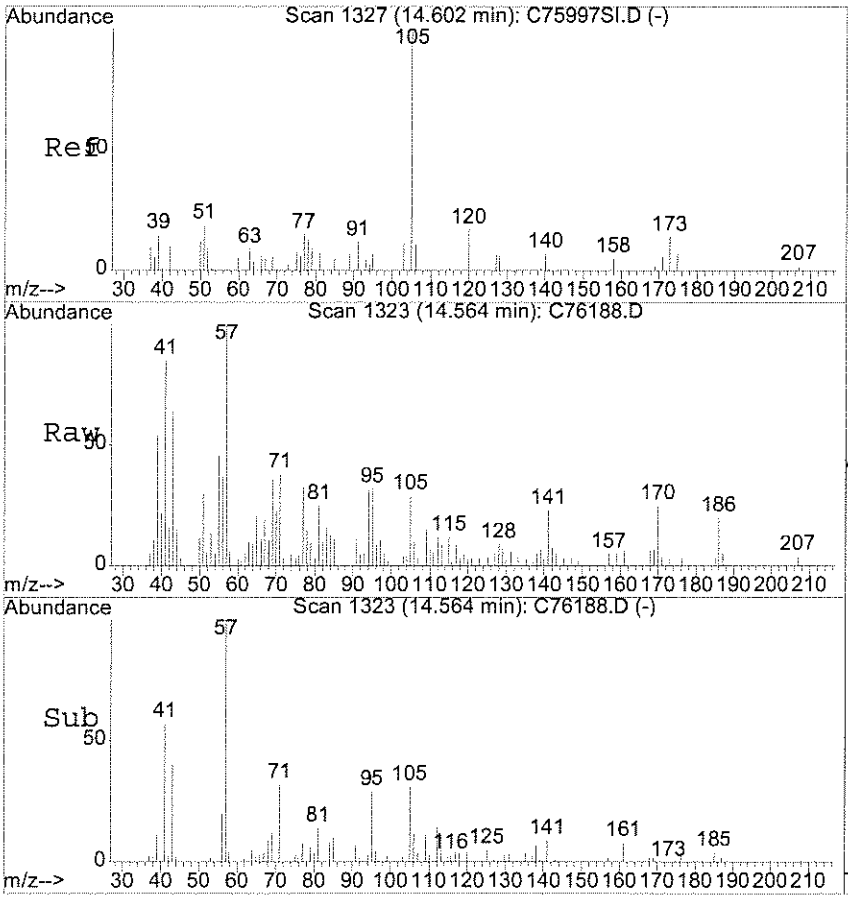


#46
Dibromomethane
Concen: Below Cal
RT: 9.73 min Scan# 833
Delta R.T. 0.02 min
Lab File: C76188.D
Acq: 13 Sep 2010 3:25 pm

Tgt Ion: 93 Resp: 309

Ion	Ratio	Lower	Upper
93	100		
95	0.0	63.4	103.4#
174	0.0	68.6	108.6#

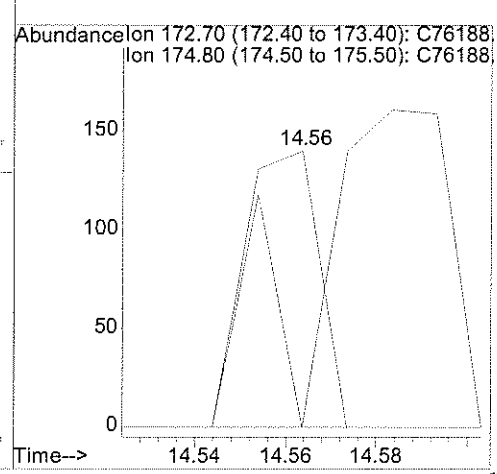




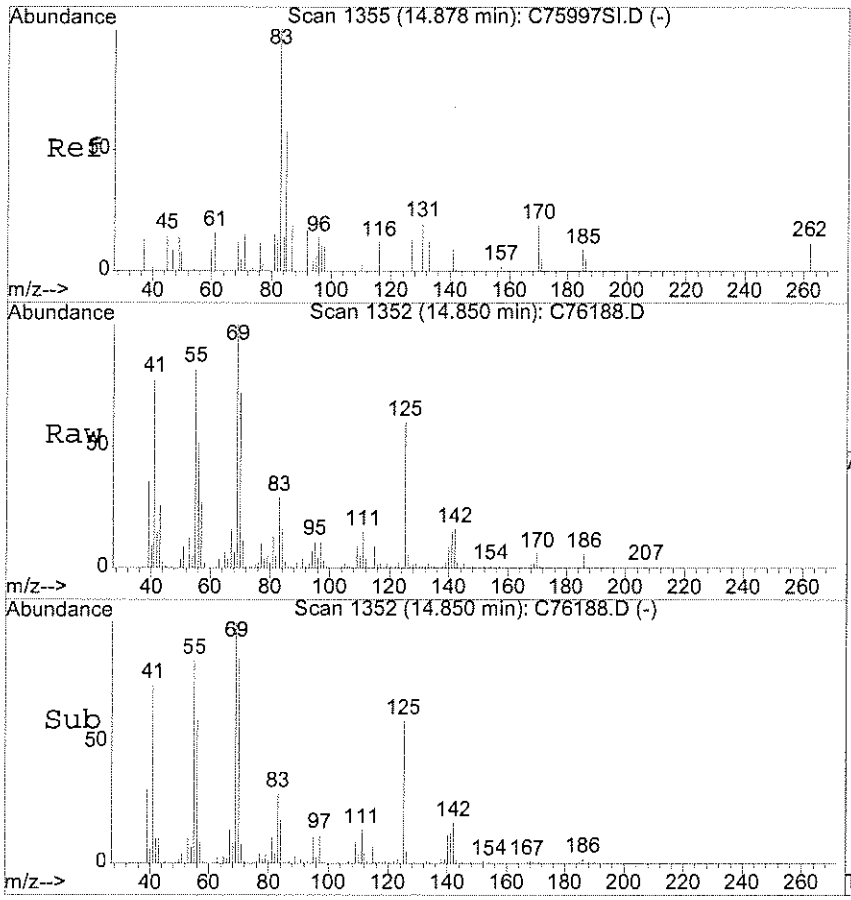
#70
Bromoform
Concen: 0.75 ug/L
RT: 14.56 min Scan# 1323
Delta R.T. -0.00 min
Lab File: C76188.D
Acq: 13 Sep 2010 3:25 pm

Tgt Ion:173 Resp: 160

Ion	Ratio	Lower	Upper
173	100		
175	0.0	30.0	70.0#



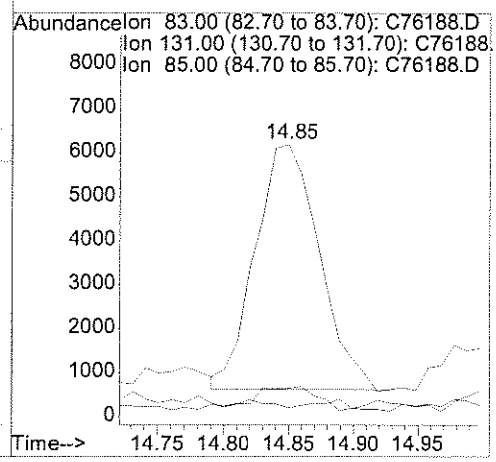
091310

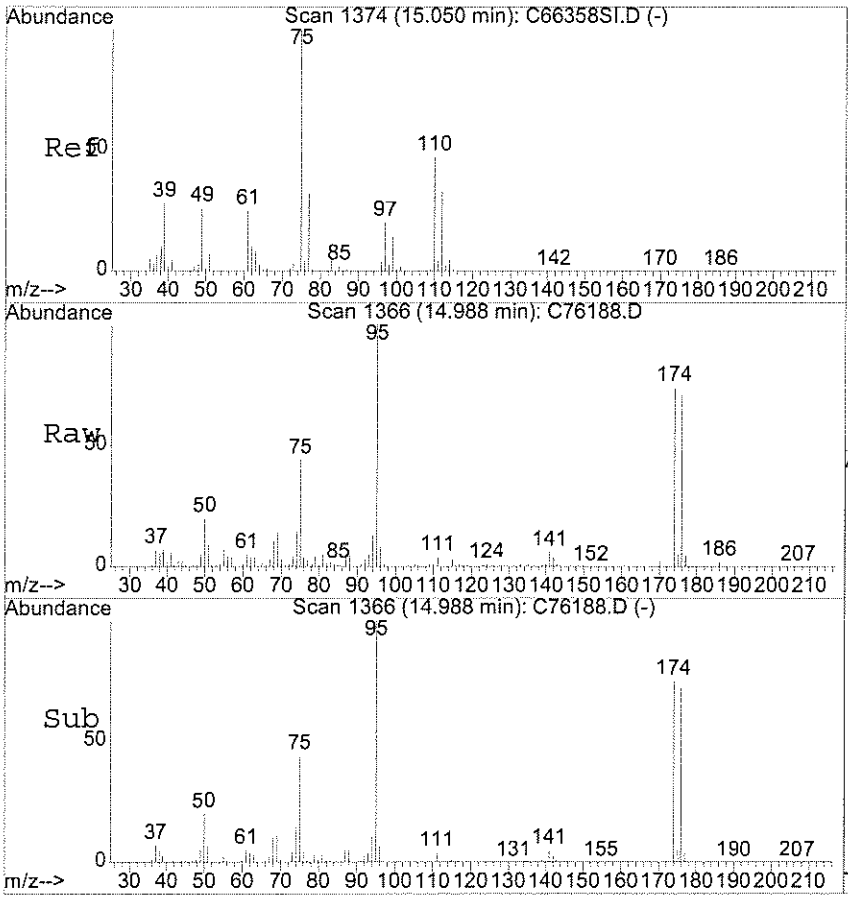


#72 MT 9/13/10
1,1,2,2-Tetrachloroethane
Concen: 2.01 ug/L
RT: 14.85 min Scan# 1352
Delta R.T. -0.01 min
Lab File: C76188.D
Acq: 13 Sep 2010 3:25 pm

Tgt Ion: 83 Resp: 19190

Ion	Ratio	Lower	Upper
83	100		
131	0.0	0.0	18.3
85	9.3	53.1	73.1#

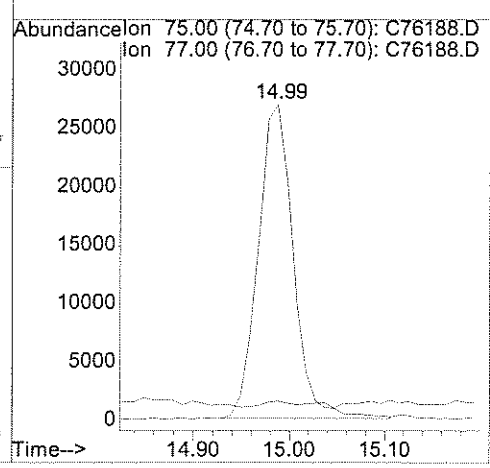




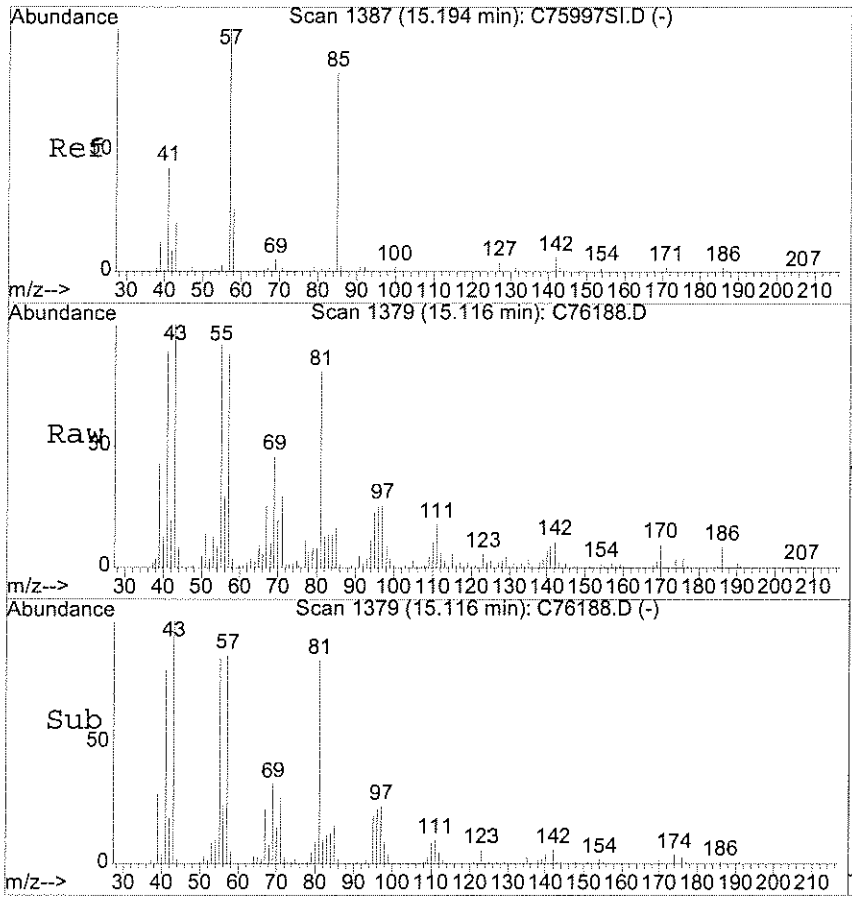
#74
1,2,3-Trichloropropane
Concen: 10.09 ug/L
RT: 14.99 min Scan# 1366
Delta R.T. -0.09 min
Lab File: C76188.D
Acq: 13 Sep 2010 3:25 pm

Tgt Ion: 75 Resp: 68887

Ion	Ratio	Lower	Upper
75	100		
77	1.4	25.8	35.8#



9/13/10

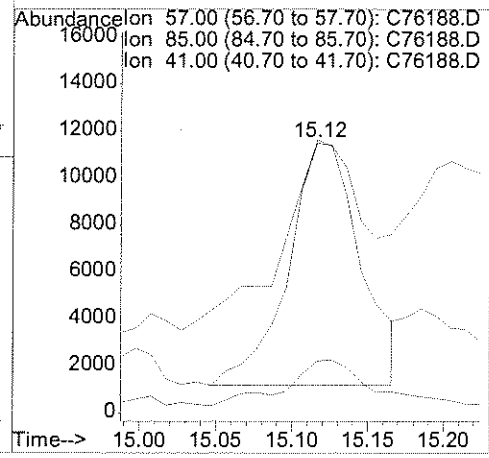


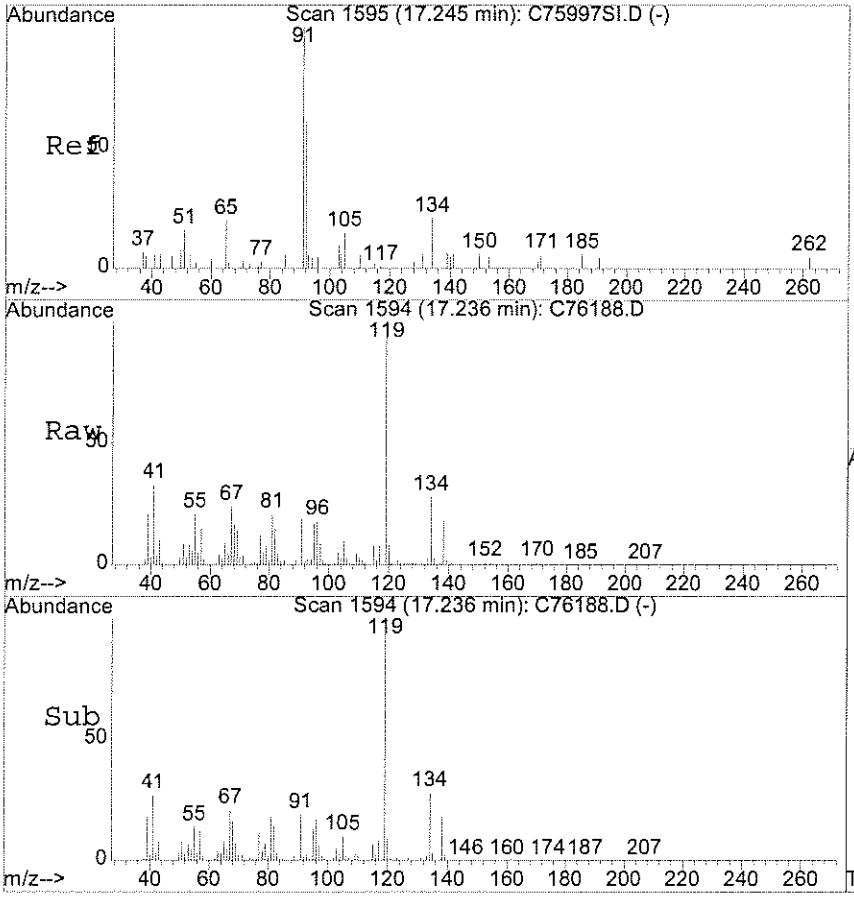
MT 9/13/10

#83
Diisobutylketone
Concen: 1.78 ug/L
RT: 15.12 min Scan# 1379
Delta R.T. -0.06 min
Lab File: C76188.D
Acq: 13 Sep 2010 3:25 pm

Tgt Ion: 57 Resp: 34119

Ion	Ratio	Lower	Upper
57	100		
85	24.2	63.3	94.9#
41	86.1	36.1	54.1#

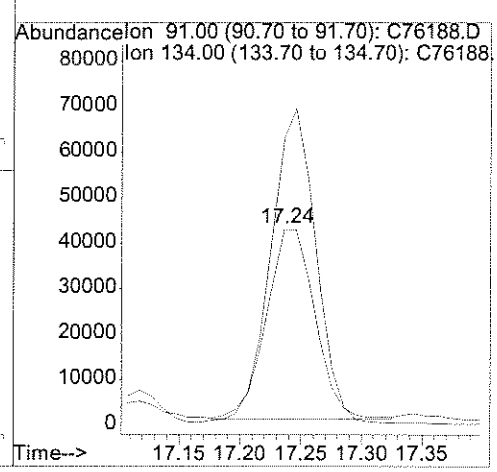


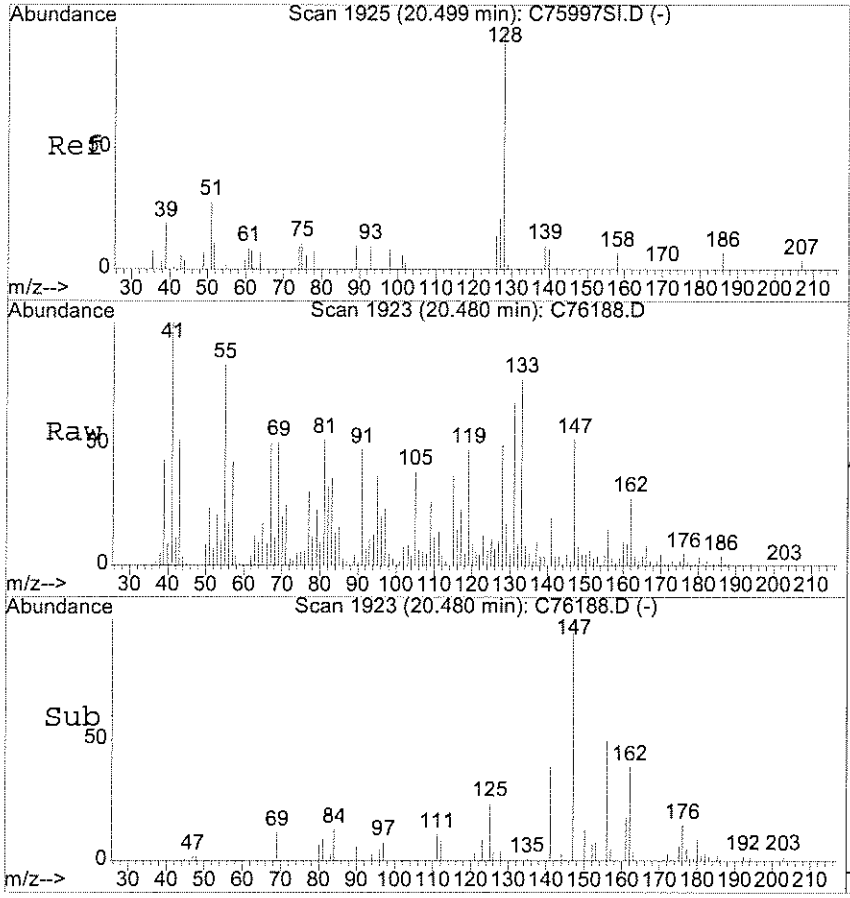


#89
n-butylbenzene
Concen: 4.69 ug/L
RT: 17.24 min Scan# 1594
Delta R.T. 0.02 min
Lab File: C76188.D
Acq: 13 Sep 2010 3:25 pm

Tgt Ion: 91 Resp: 115702

Ion	Ratio	Lower	Upper
91	100		
134	150.7	3.1	43.1#

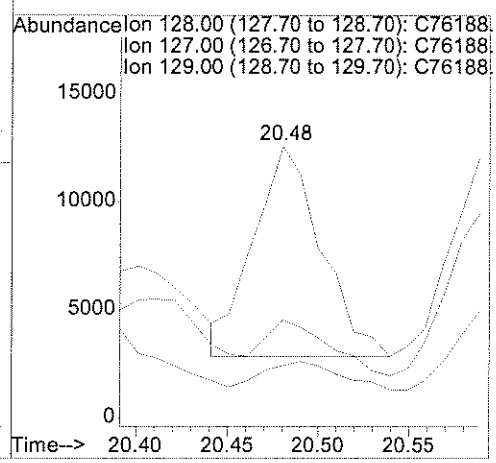




#96 MT 9/13/10
Naphthalene
Concen: 1.20 ug/L
RT: 20.48 min Scan# 1923
Delta R.T. 0.02 min
Lab File: C76188.D
Acq: 13 Sep 2010 3:25 pm

Tgt Ion:128 Resp: 25333

Ion	Ratio	Lower	Upper
128	100		
127	11.4	0.0	32.4
129	26.6	0.0	30.7



X

9/13/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

SAMPLE DATA

Lab Sample ID:	67722-4
Matrix:	Solid
Percent Solid:	92
Dilution Factor:	112
Collection Date:	09/09/10
Lab Receipt Date:	09/09/10
Analysis Date:	09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: IV-B82-GTM3-11

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	112	U	1,1,2-Trichloroethane	84	U
Chloromethane	112	U	1,3-Dichloropropane	112	U
Vinyl Chloride	112	U	Tetrachloroethene	112	U
Bromomethane	112	U	2-Hexanone	1120	U
Chloroethane	112	U	Dibromochloromethane	84	U
Trichlorofluoromethane	112	U	1,2-Dibromoethane	84	U
1,1-Dichloroethene	84	U	Chlorobenzene	112	U
Acetone	1120	U	1,1,1,2-Tetrachloroethane	112	U
Methyl iodide	112	U	Ethylbenzene	112	U
Carbon Disulfide	112	U	o-Xylene	112	U
Methylene Chloride	558	U	m,p-Xylene	112	U
trans-1,2-Dichloroethene	112	U	Styrene	112	U
Methyl-tert-butyl ether (MTBE)	84	U	Bromoform	84	U
1,1-Dichloroethane	112	U	Isopropylbenzene	112	U
Vinyl acetate	837	U	1,1,2,2-Tetrachloroethane	84	U
Methyl ethyl ketone	1120	U	Bromobenzene	112	U
cis-1,2-Dichloroethene	112	U	1,2,3-Trichloropropane	112	U
2,2-Dichloropropane	112	U	n-Propylbenzene	112	U
Bromochloromethane	112	U	2-Chlorotoluene	112	U
Chloroform	84	U	1,3,5-Trimethylbenzene	112	U
1,1,1-Trichloroethane	112	U	4-Chlorotoluene	112	U
1,1-Dichloropropene	112	U	tert-butylbenzene	112	U
Carbon Tetrachloride	112	U	1,2,4-Trimethylbenzene	112	U
1,2-Dichloroethane	84	U	sec-butylbenzene	112	U
Benzene	112	U	p-isopropyltoluene	112	U
Trichloroethene	112	U	1,3-Dichlorobenzene	112	U
1,2-Dichloropropane	84	U	1,4-Dichlorobenzene	112	U
Dibromomethane	112	U	n-butylbenzene	112	U
Bromodichloromethane	84	U	1,2-Dichlorobenzene	112	U
cis-1,3-Dichloropropene	112	U	1,2-Dibromo-3-chloropropane	112	U
Methyl isobutyl ketone	1120	U	1,2,4-Trichlorobenzene	112	U
Toluene	112	U	Hexachlorobutadiene	112	U
trans-1,3-Dichloropropene	112	U	Naphthalene	112	U
			1,2,3-Trichlorobenzene	112	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	81	%	d8-Toluene	87	%	Bromofluorobenzen	87 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A. Quantitation limits increased due to the presence of non-target analytes.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76189.D Vial: 1
Acq On : 13 Sep 2010 3:58 pm Operator: MT
Sample : 67722-4 Inst : Instr_C
Misc : 50,9.77,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 15:52 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT ~~9/2~~ 9/13/10

DF = (5000)(10) / (50ml)(9.775)(9.176) = 112

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	232908	20.00 ug/L	0.02
39) 1,4-Difluorobenzene	8.58	114	459284	20.00 ug/L	0.02
63) *d5-Chlorobenzene	13.11	117	397574 ✓	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.83	152	155998	20.00 ug/L	0.02

System Monitoring Compounds					
28) DB Holder #28	7.97	65	142712	16.13 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	80.65% ✓	
36) d4-1,2-Dichloroethane	7.97	65	142712	16.12 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	80.60% ✓	
54) d8-Toluene	10.84	98	441953	17.45 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	87.25% ✓	
73) Bromofluorobenzene	14.99	95	162957	17.42 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	87.10% ✓	

Target Compounds					Qvalue
~~3)~~ Chloromethane	1.90	50	195	~~Below~~ Cal	89
~~5)~~ Bromomethane	2.45	94	984	~~0.98~~ ug/L #	21
~~12)~~ Acetone	3.59	43	9719	~~Below~~ Cal #	84
~~16)~~ Methylene Chloride	4.47	84	22549	<5 ~~2.14~~ ug/L	97
~~21)~~ 1,1-Dichloroethane	5.66	63	340	~~Below~~ Cal #	51
~~30)~~ Bromochloromethane	7.11	128	156	~~Below~~ Cal #	1
~~31)~~ Tetrahydrofuran	7.20	71	472	~~Below~~ Cal #	1
~~46)~~ Dibromomethane	9.70	93	798	~~Below~~ Cal #	48
~~70)~~ Bromoform	14.54	173	420	~~0.80~~ ug/L	83
~~72)~~ 1,1,2,2-Tetrachloroethane	14.85	83	17754	~~1.81~~ ug/L #	34
~~74)~~ 1,2,3-Trichloropropane	14.99	75	75110	~~10.77~~ ug/L #	46
~~83)~~ Diisobutylketone	15.13	57	41972	~~2.13~~ ug/L #	23
~~88)~~ 1,4-Dichlorobenzene	16.79	146	8664	~~0.69~~ ug/L #	29
~~89)~~ n-butylbenzene	17.25	91	140084	~~5.74~~ ug/L #	1
~~92)~~ 1,2-Dibromo-3-chloropropan	18.68	75	2188	~~0.71~~ ug/L #	9
~~96)~~ Naphthalene	20.48	128	30249	~~1.45~~ ug/L	79

ND

*Cannot run low - too much NT contamination

See C-gram.

J 9/13/10

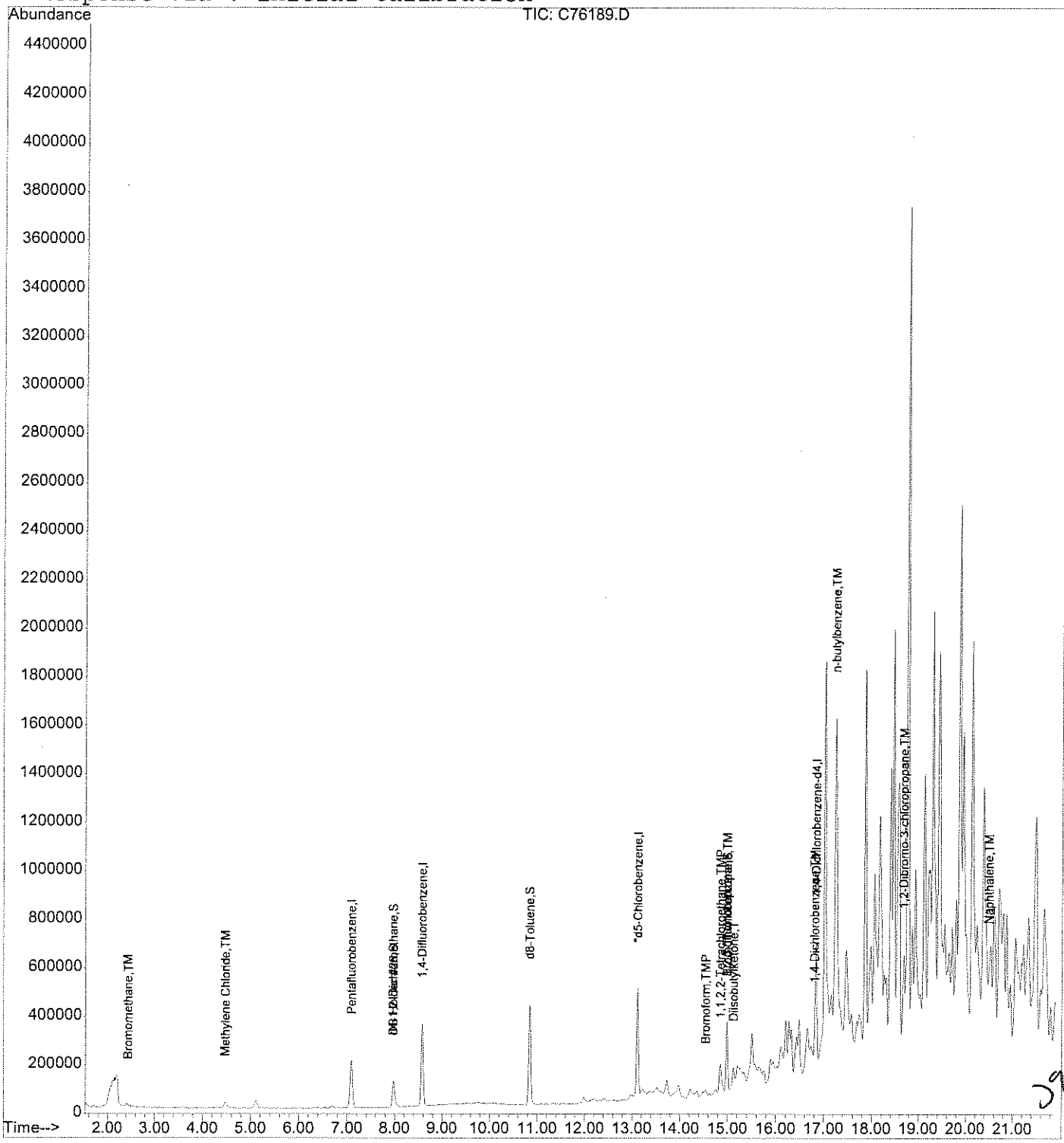
(#) = qualifier out of range (m) = manual integration
C76189.D V808100C.M Mon Sep 13 15:52:39 2010 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76189.D Vial: 1
Acq On : 13 Sep 2010 3:58 pm Operator: MT
Sample : 67722-4 Inst : Instr_C
Misc : 50,9.77,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 15:52 2010 Quant Results File: V808100C.RES

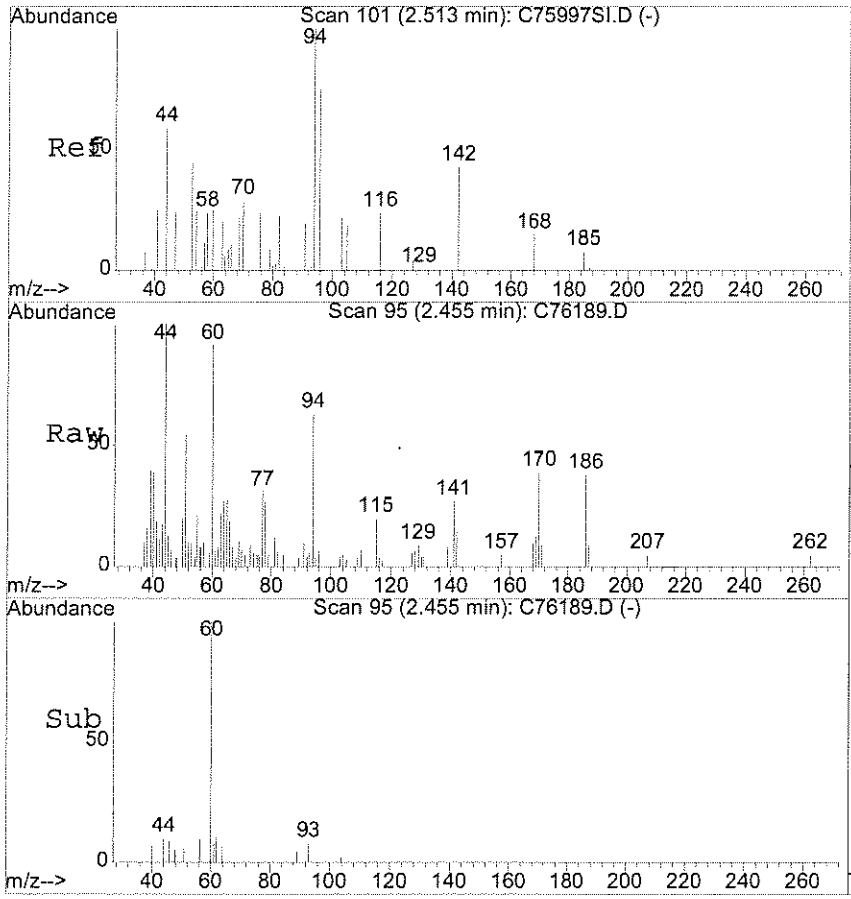
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/13/10



D91310

C76189.D V808100C.M Mon Sep 13 15:52:39 2010 Page 2

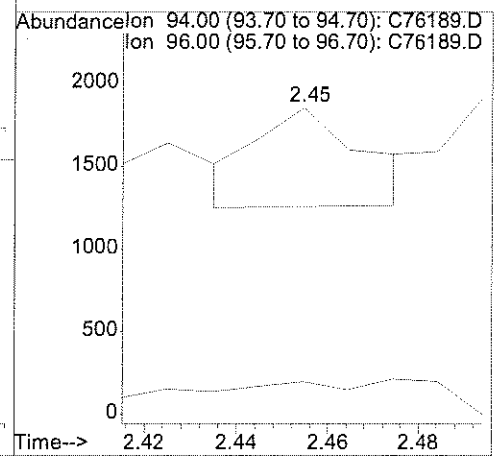


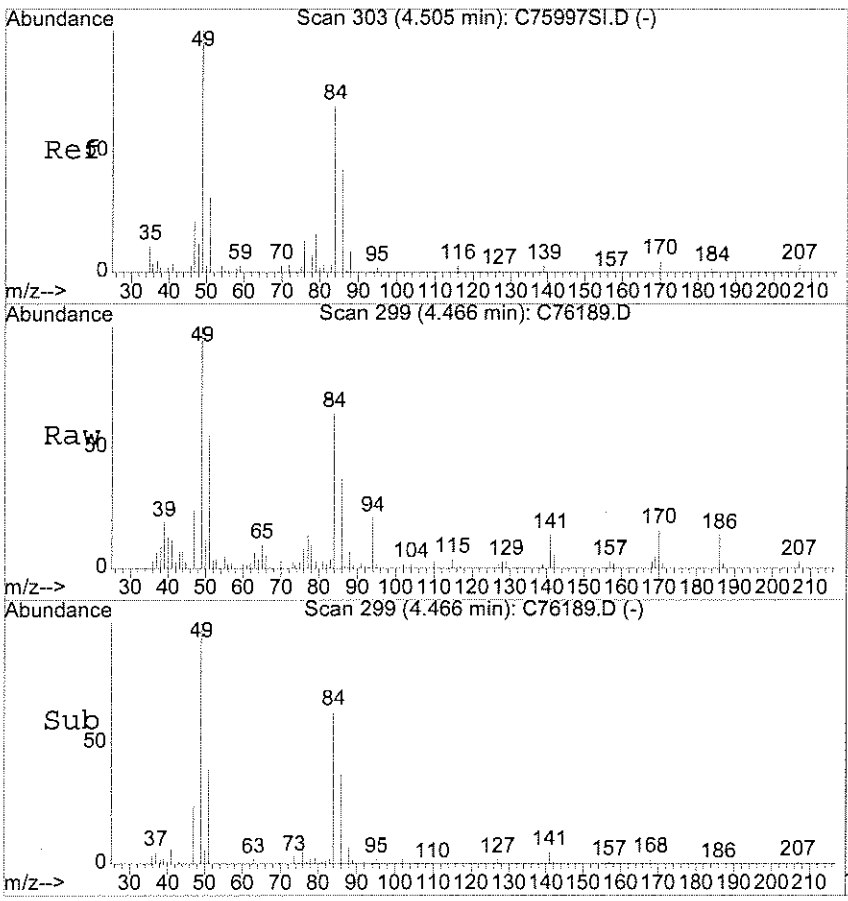
MT 9/13/10

#5
Bromomethane
Concen: 0.98 ug/L
RT: 2.45 min Scan# 95
Delta R.T. -0.01 min
Lab File: C76189.D
Acq: 13 Sep 2010 3:58 pm

Tgt Ion: 94 Resp: 984

Ion	Ratio	Lower	Upper
94	100		
96	18.0	75.4	115.4#

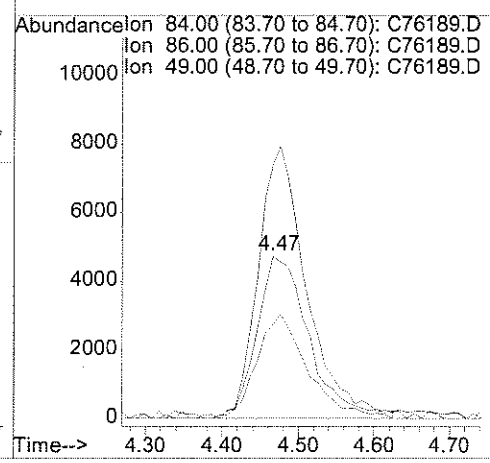




#16
Methylene Chloride
Concen: 2.14 ug/L
RT: 4.47 min Scan# 299
Delta R.T. -0.00 min
Lab File: C76189.D
Acq: 13 Sep 2010 3:58 pm

Tgt Ion: 84 Resp: 22549

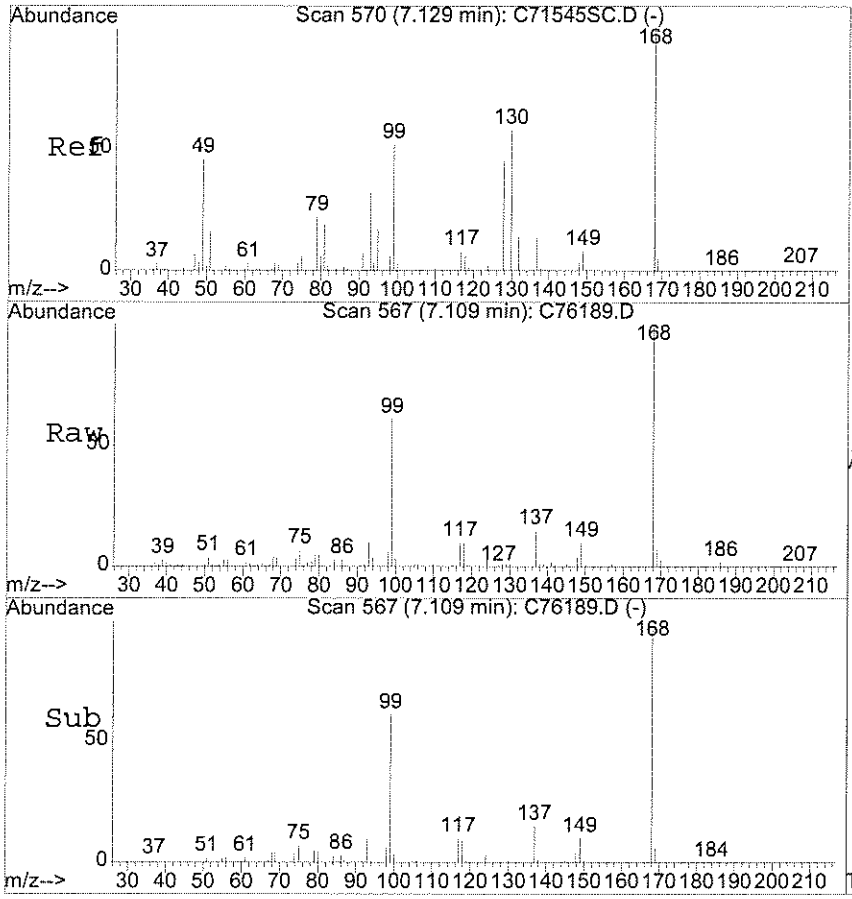
Ion	Ratio	Lower	Upper
84	100		
86	60.0	42.9	82.9
49	154.5	138.3	178.3



<5

09/13/10

MT 9/13/10

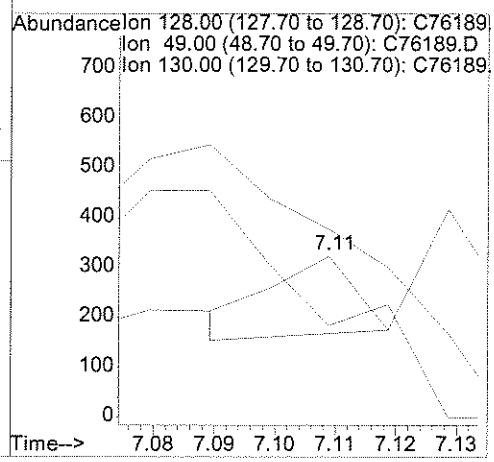


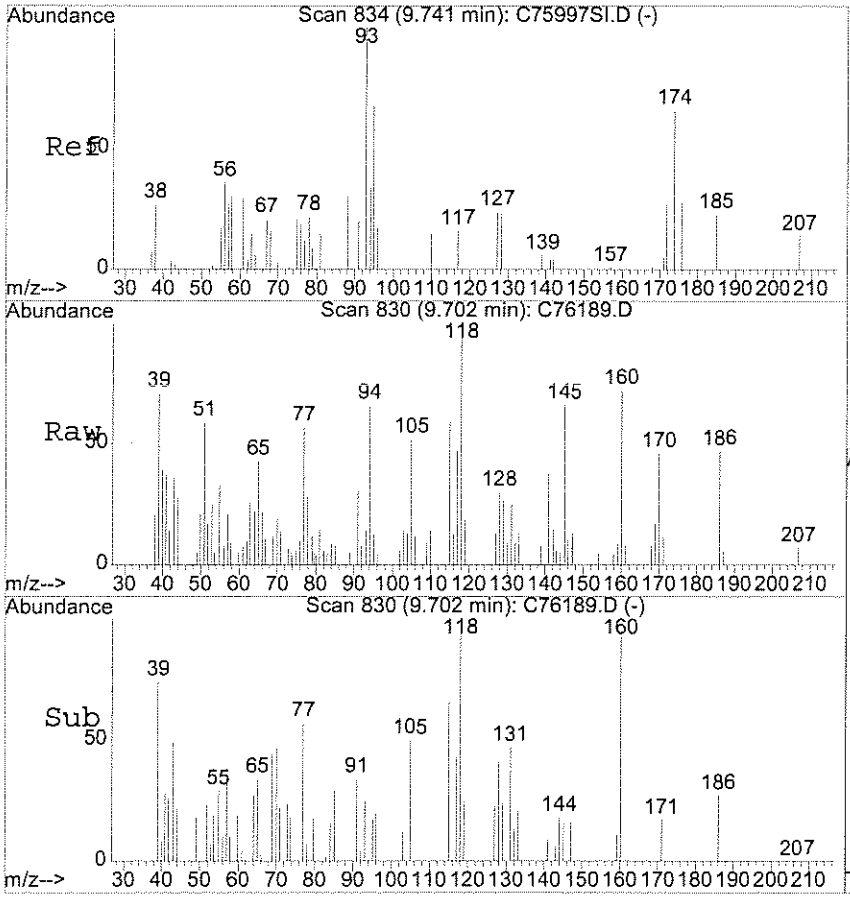
#30
Bromochloromethane
Concen: Below Cal
RT: 7.11 min Scan# 567
Delta R.T. 0.01 min
Lab File: C76189.D
Acq: 13 Sep 2010 3:58 pm

Tgt Ion:128 Resp: 156

Ion	Ratio	Lower	Upper
128	100		
49	0.0	175.1	215.1#
130	52.0	104.4	144.4#

X



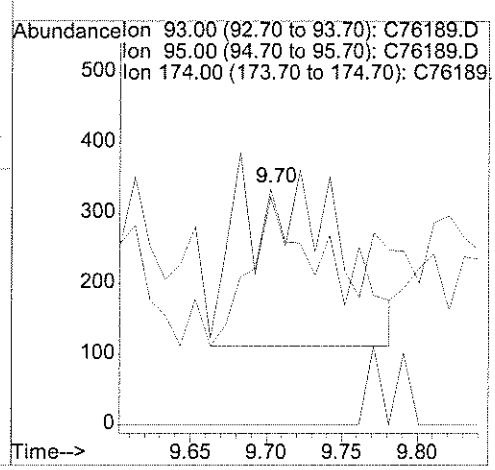


#46
Dibromomethane
Concen: Below Cal
RT: 9.70 min Scan# 830
Delta R.T. -0.00 min
Lab File: C76189.D
Acq: 13 Sep 2010 3:58 pm

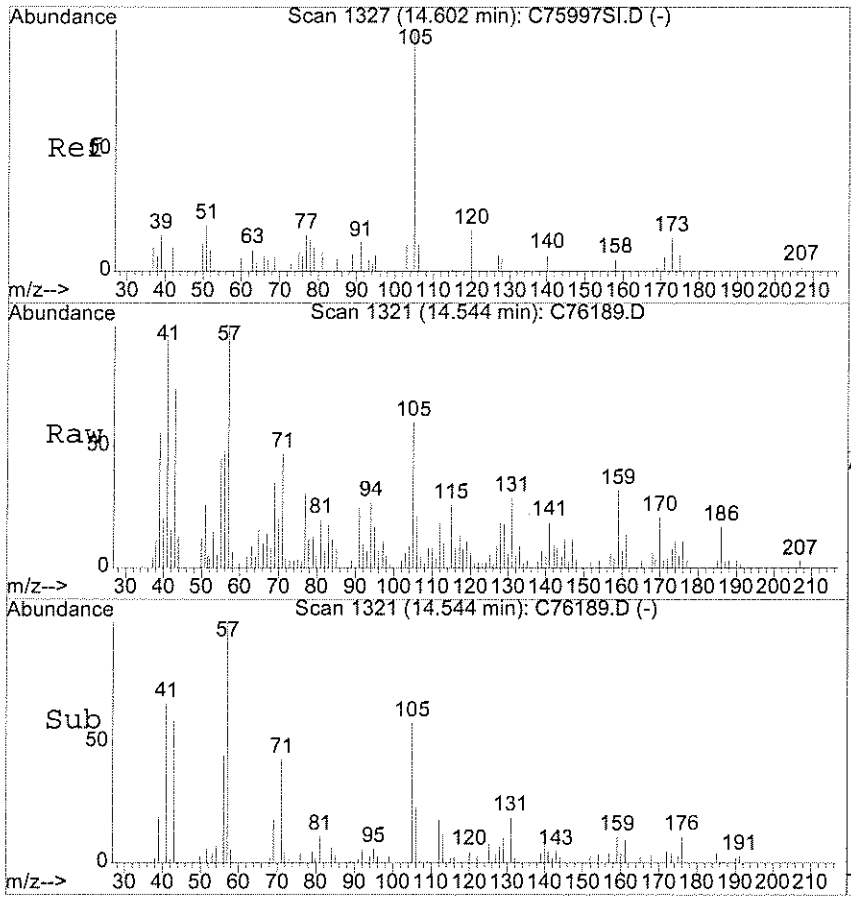
Tgt Ion: 93 Resp: 798

Ion	Ratio	Lower	Upper
93	100		
95	89.7	63.4	103.4
174	0.0	68.6	108.6#

X



9/13/10

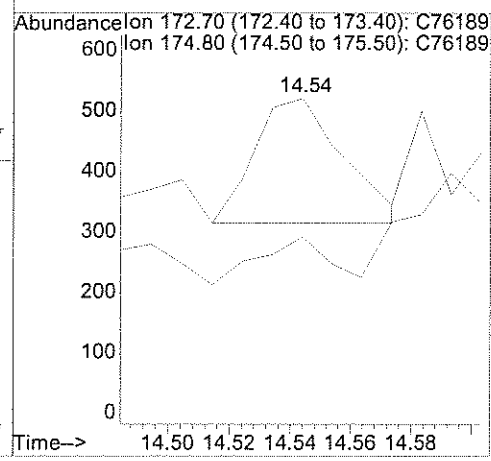


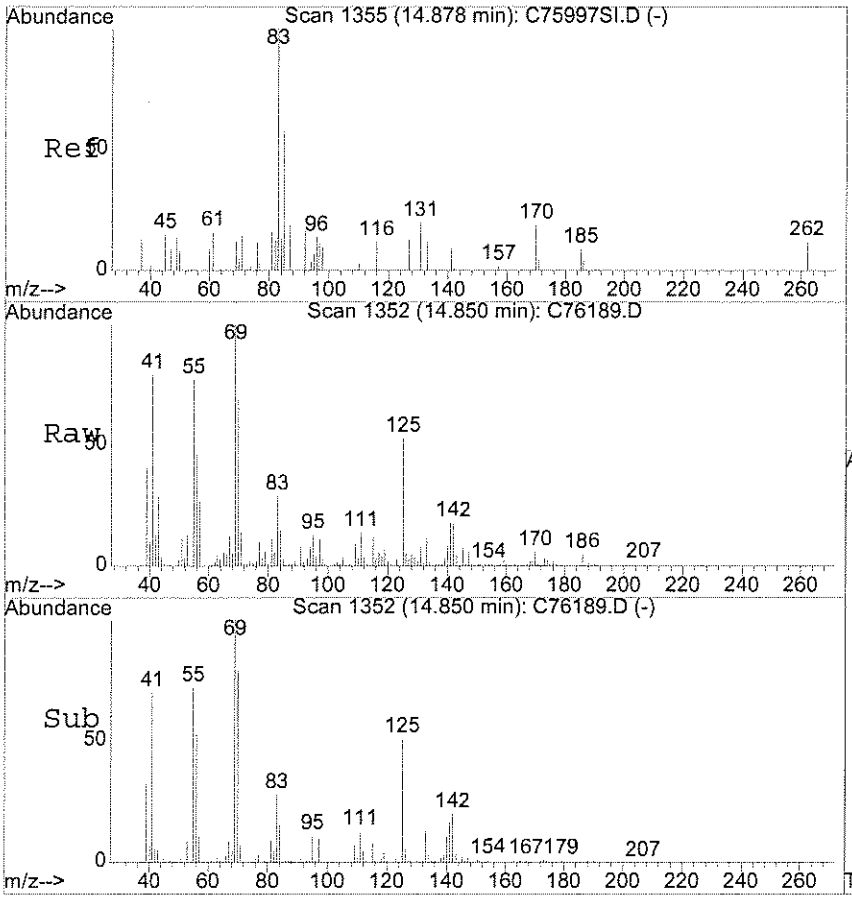
#70 MT 9/13/10
Bromoform
Concen: 0.80 ug/L
RT: 14.54 min Scan# 1321
Delta R.T. -0.02 min
Lab File: C76189.D
Acq: 13 Sep 2010 3:58 pm

Tgt Ion:173 Resp: 420

Ion	Ratio	Lower	Upper
173	100		
175	38.3	30.0	70.0

X



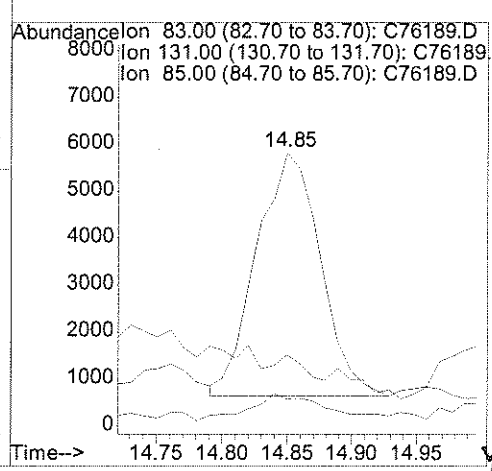


#72
1,1,2,2-Tetrachloroethane
Concen: 1.81 ug/L
RT: 14.85 min Scan# 1352
Delta R.T. -0.01 min
Lab File: C76189.D
Acq: 13 Sep 2010 3:58 pm

Tgt Ion: 83 Resp: 17754

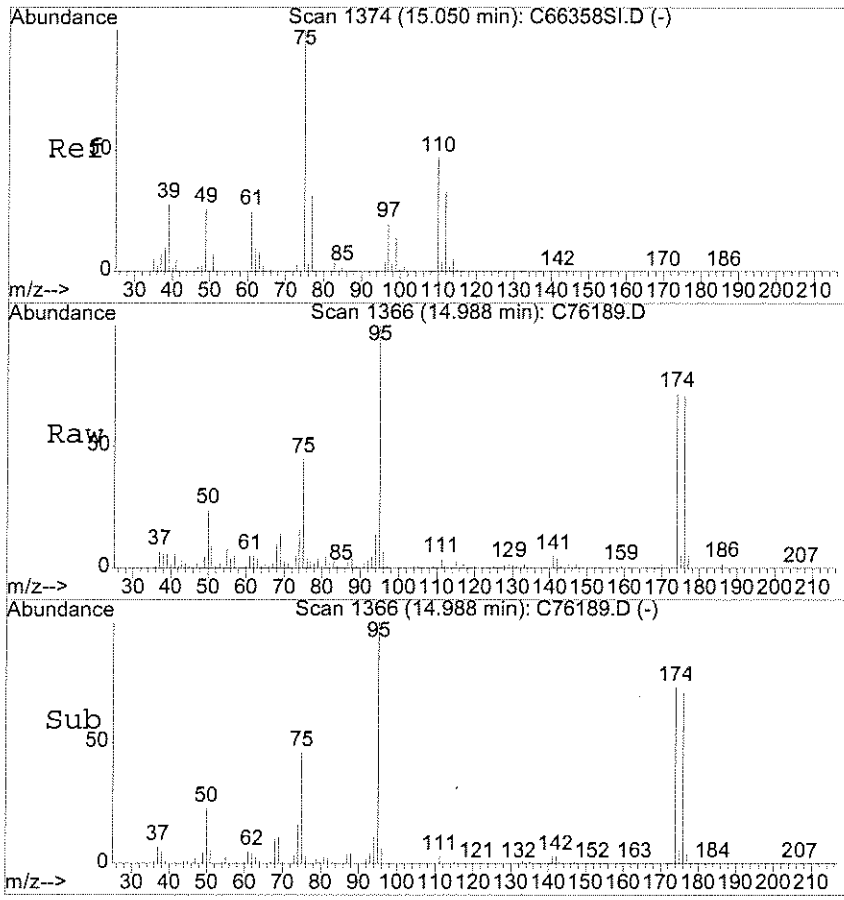
Ion	Ratio	Lower	Upper
83	100		
131	14.4	0.0	18.3
85	7.0	53.1	73.1#

X



9/13/10

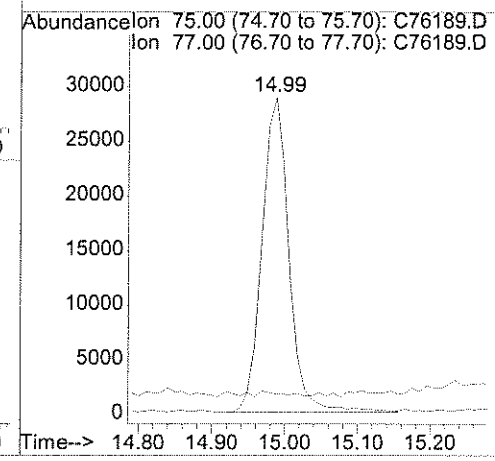
MT 9/13/10

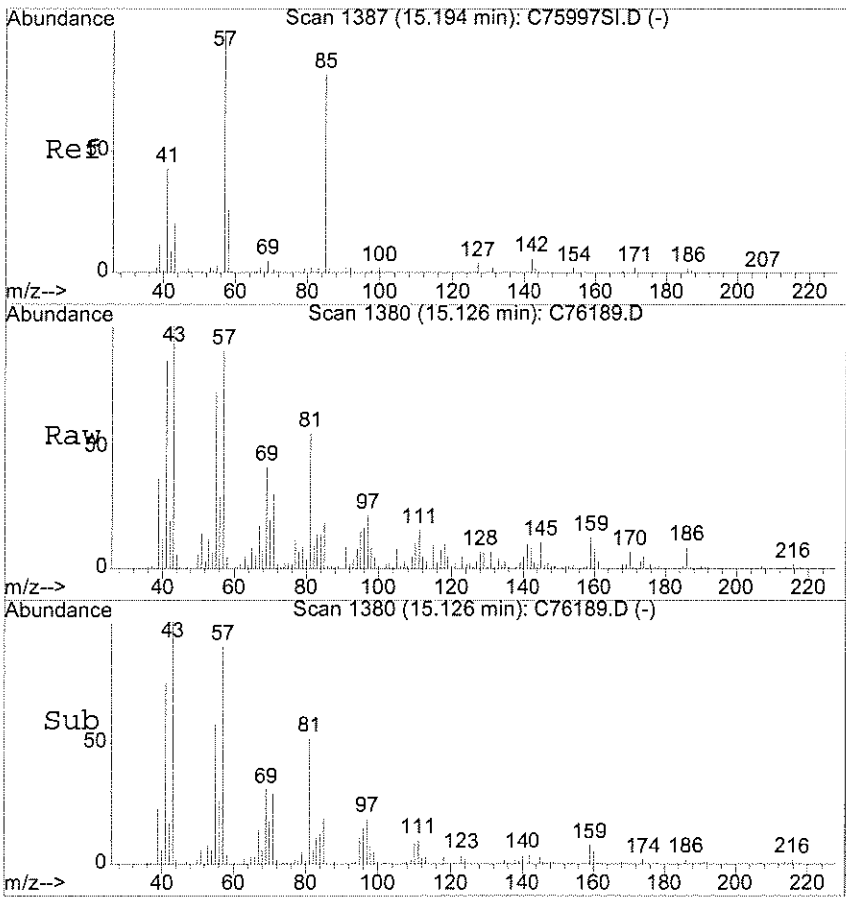


#74
1,2,3-Trichloropropane
Concen: 10.77 ug/L
RT: 14.99 min Scan# 1366
Delta R.T. -0.09 min
Lab File: C76189.D
Acq: 13 Sep 2010 3:58 pm

Tgt Ion: 75 Resp: 75110

Ion	Ratio	Lower	Upper
75	100		
77	1.0	25.8	35.8#

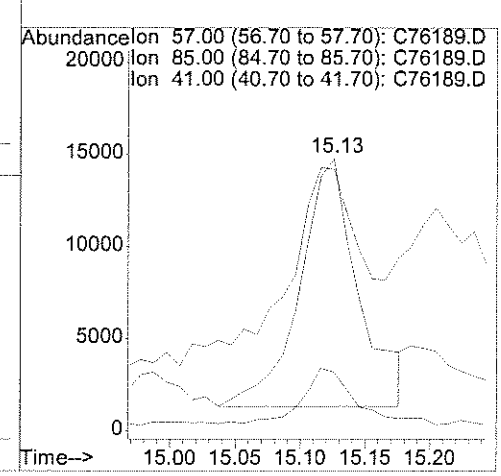




#83
Diisobutylketone
Concen: 2.13 ug/L
RT: 15.13 min Scan# 1380
Delta R.T. -0.05 min
Lab File: C76189.D
Acq: 13 Sep 2010 3:58 pm

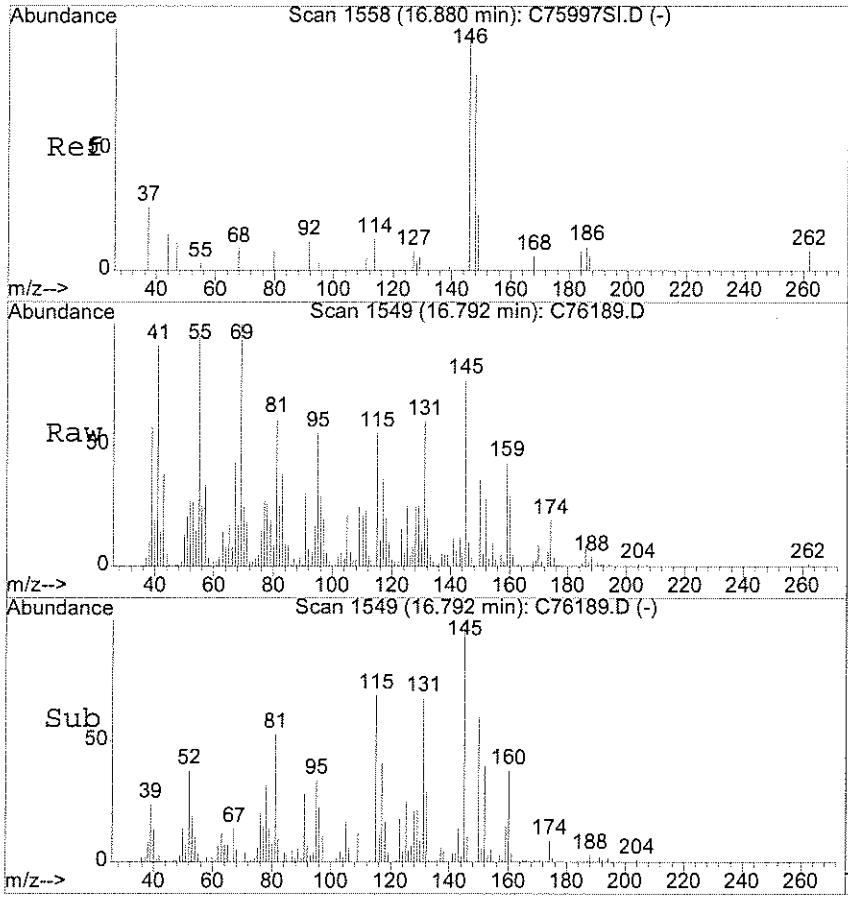
Tgt Ion: 57 Resp: 41972

Ion	Ratio	Lower	Upper
57	100		
85	20.6	63.3	94.9#
41	107.6	36.1	54.1#



571310

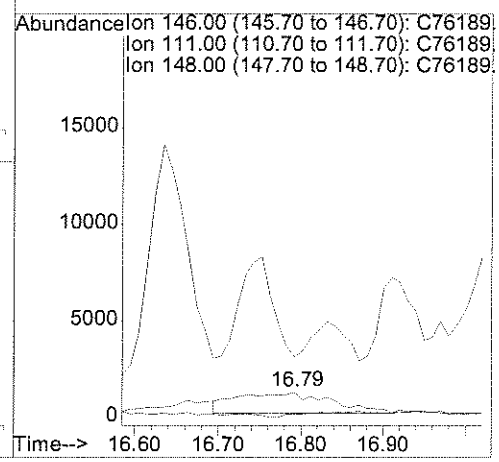
MT 9/13/10

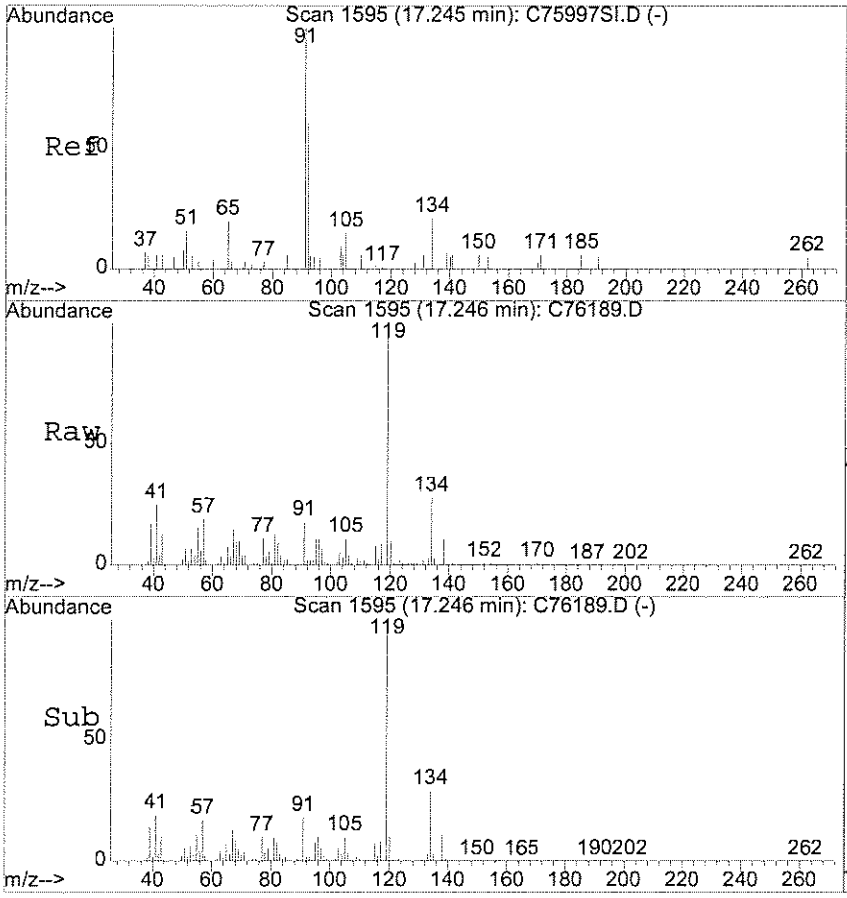


#88
1,4-Dichlorobenzene
Concen: 0.69 ug/L
RT: 16.79 min Scan# 1549
Delta R.T. -0.07 min
Lab File: C76189.D
Acq: 13 Sep 2010 3:58 pm

Tgt Ion:146 Resp: 8664

Ion	Ratio	Lower	Upper
146	100		
111	7.3	24.1	64.1#
148	0.0	42.5	82.5#

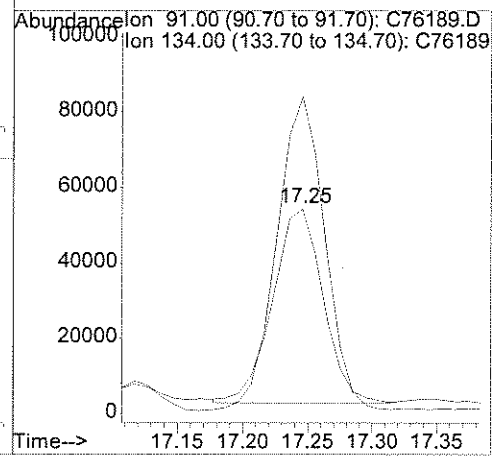




#89
n-butylbenzene
Concen: 5.74 ug/L
RT: 17.25 min Scan# 1595
Delta R.T. 0.02 min
Lab File: C76189.D
Acq: 13 Sep 2010 3:58 pm

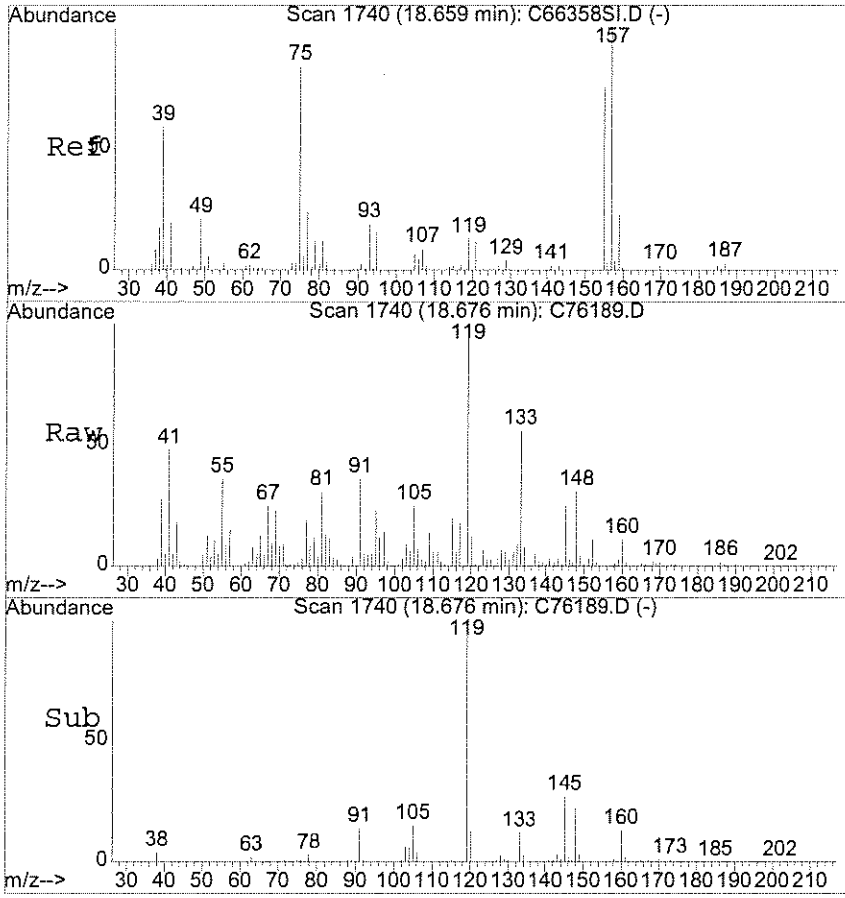
Tgt Ion: 91 Resp: 140084

Ion	Ratio	Lower	Upper
91	100		
134	161.5	3.1	43.1#



9/13/10

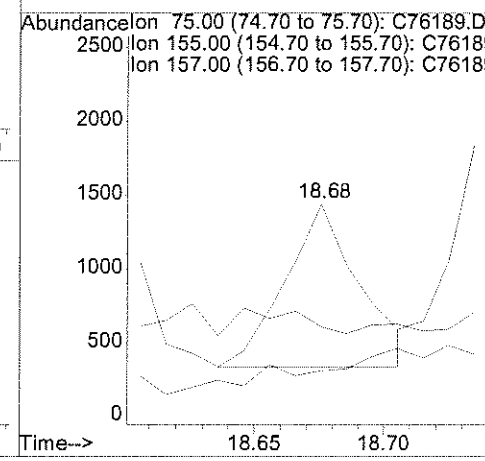
MT 9/13/10

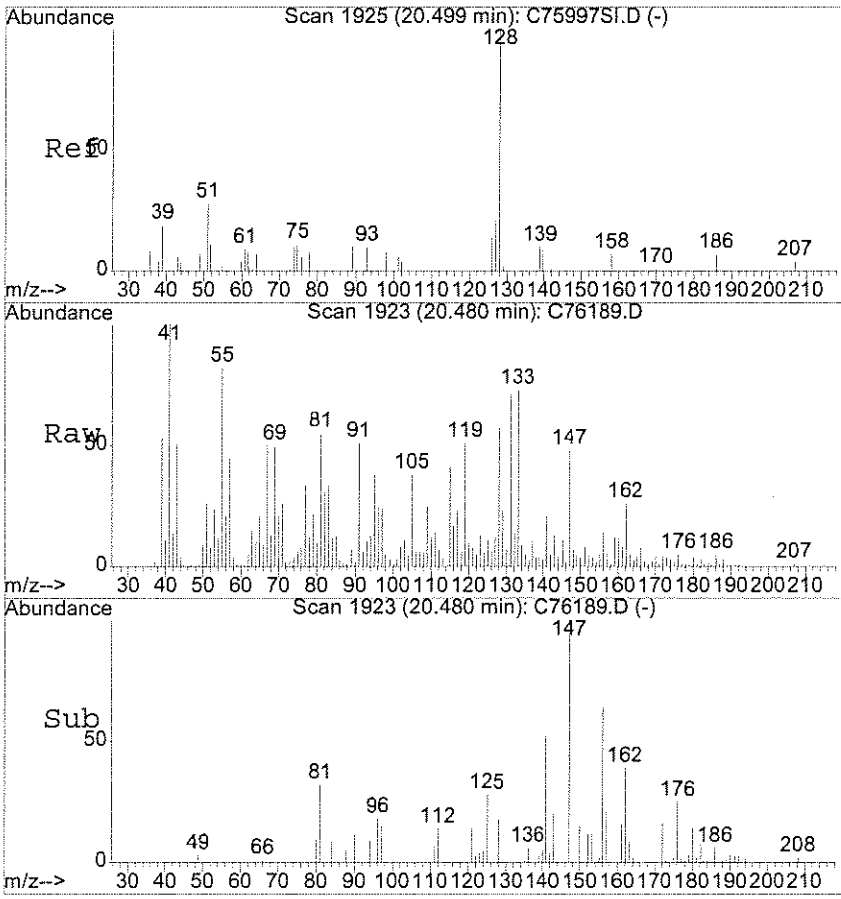


#92
1,2-Dibromo-3-chloropropane
Concen: 0.71 ug/L
RT: 18.68 min Scan# 1740
Delta R.T. -0.00 min
Lab File: C76189.D
Acq: 13 Sep 2010 3:58 pm

Tgt Ion: 75 Resp: 2188

Ion	Ratio	Lower	Upper
75	100		
155	5.7	66.6	106.6#
157	5.6	80.5	120.5#

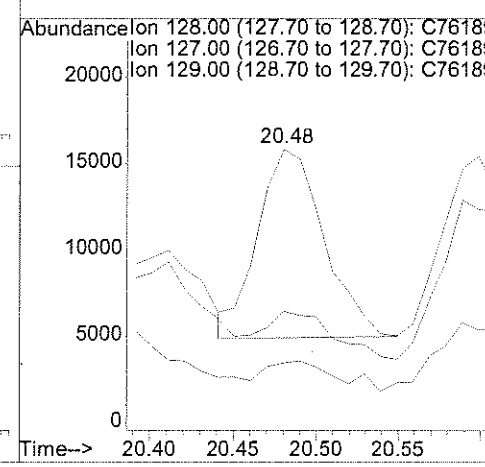




#96
Naphthalene
Concen: 1.45 ug/L
RT: 20.48 min Scan# 1923
Delta R.T. 0.02 min
Lab File: C76189.D
Acq: 13 Sep 2010 3:58 pm

Tgt Ion:128 Resp: 30249

Ion	Ratio	Lower	Upper
128	100		
127	10.5	0.0	32.4
129	25.8	0.0	30.7



D7/13/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

SAMPLE DATA

Lab Sample ID: 67722-5
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93	%	d8-Toluene	97	%	Bromofluorobenzen	100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76185.D Vial: 13
Acq On : 13 Sep 2010 1:51 pm Operator: MT
Sample : 67722-5 Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:51 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

DF = (5000)(10) / (5ml)(10.00g)(1.00) = 100

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	225369	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.57	114	450317 ✓	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.11	117	385730	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.83	152	163350	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.96	65	158991	18.57 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	92.85% ✓	
36) d4-1,2-Dichloroethane	7.96	65	158991	18.56 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	92.80% ✓	
54) d8-Toluene	10.84	98	482911	19.45 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	97.25% ✓	
73) Bromofluorobenzene	14.98	95	181583	20.00 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.00% ✓	

Target Compounds					Qvalue
3) Chloromethane	1.95	50	549	~~Below~~ Cal	82
5) Bromomethane	2.49	94	3043	~~1.27~~ ug/L #	32
12) Acetone	3.61	43	2963	~~Below~~ Cal #	60
16) Methylene Chloride	4.47	84	4223	~~Below~~ Cal	94
21) 1,1-Dichloroethane	5.67	63	272	~~Below~~ Cal	84
30) Bromochloromethane	7.08	128	905	~~Below~~ Cal	94
31) Tetrahydrofuran	7.21	71	507	~~Below~~ Cal #	1
40) Trichloroethene	9.04	95	872	~~Below~~ Cal #	39
46) Dibromomethane	9.71	93	172	~~Below~~ Cal #	7
74) 1,2,3-Trichloropropane	14.98	75	84309	~~12.59~~ ug/L #	46
92) 1,2-Dibromo-3-chloropropan	18.72	75	218	~~Below~~ Cal #	13

MD

9/13/10

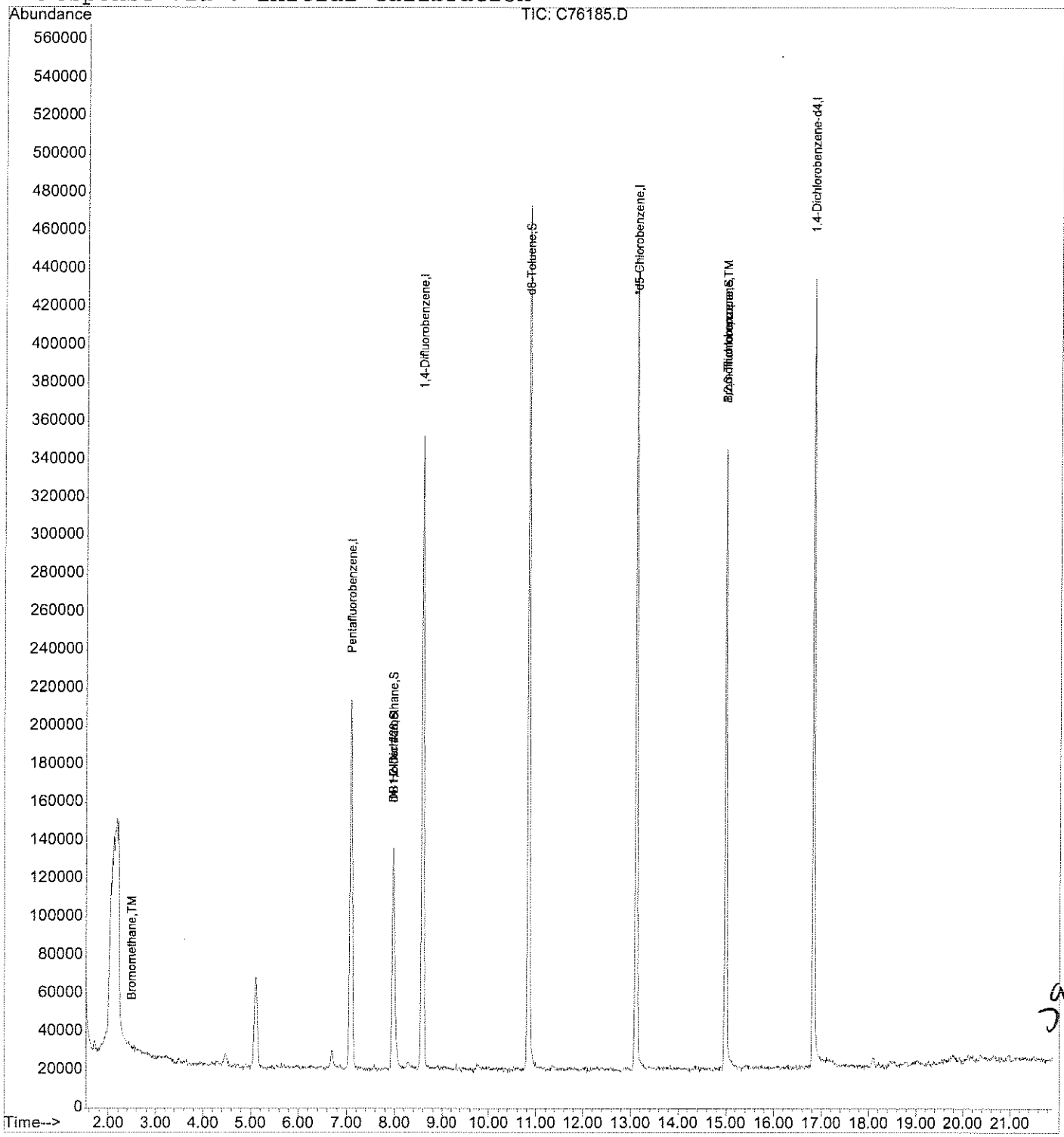
(#) = qualifier out of range (m) = manual integration
C76185.D V808100C.M Mon Sep 13 13:51:45 2010 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76185.D Vial: 13
Acq On : 13 Sep 2010 1:51 pm Operator: MT
Sample : 67722-5 Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:51 2010 Quant Results File: V808100C.RES

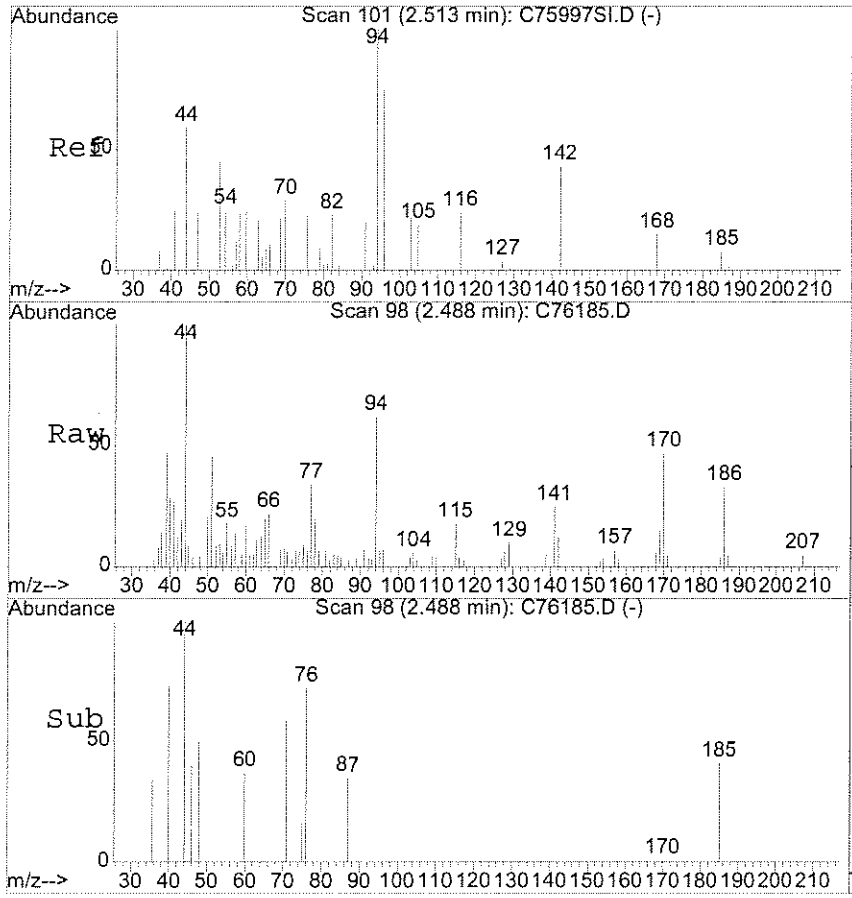
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/13/10



D91310

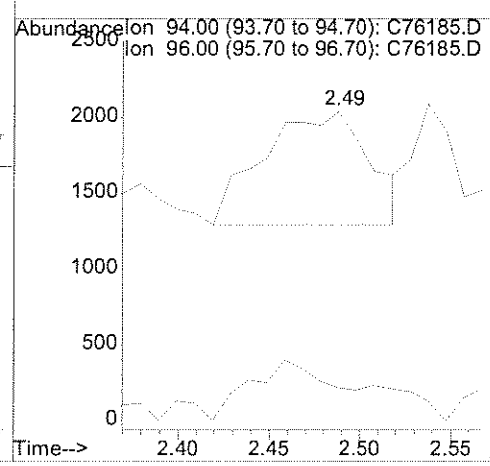
MT 9/13/10

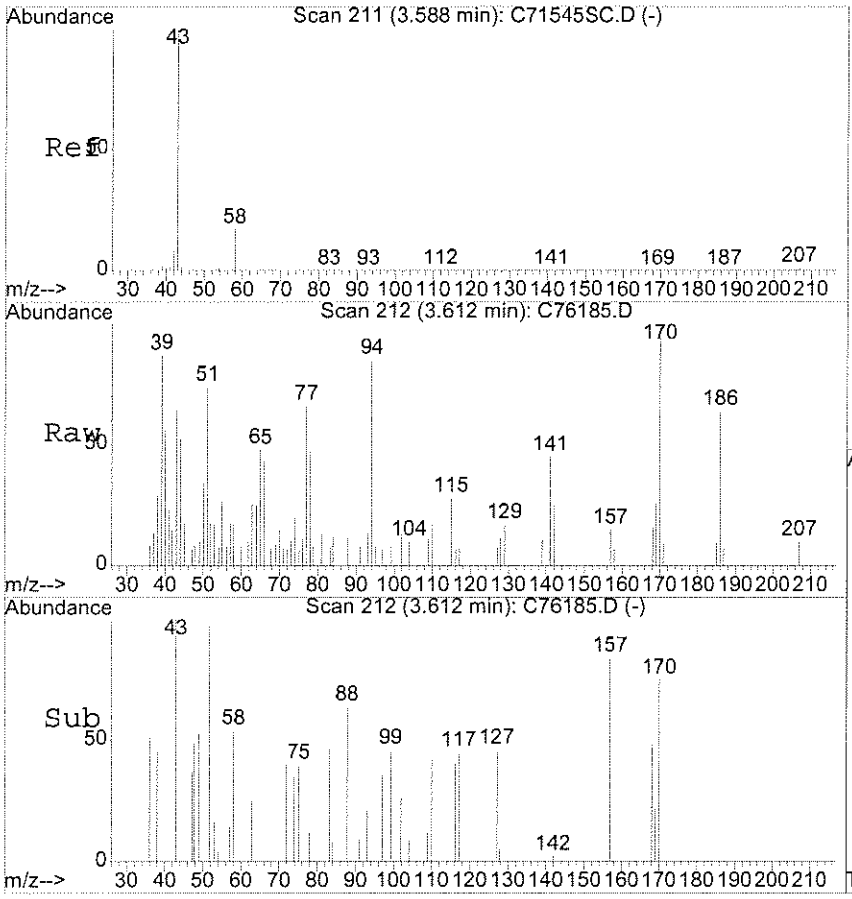


#5
Bromomethane
Concen: 1.27 ug/L
RT: 2.49 min Scan# 98
Delta R.T. 0.02 min
Lab File: C76185.D
Acq: 13 Sep 2010 1:51 pm

Tgt Ion: 94 Resp: 3043

Ion	Ratio	Lower	Upper
94	100		
96	28.9	75.4	115.4#

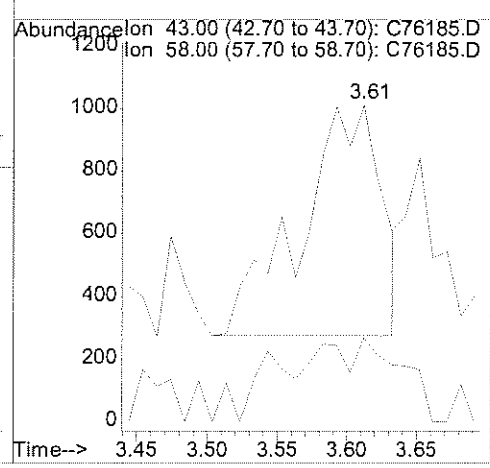




#12
Acetone
Concen: Below Cal
RT: 3.61 min Scan# 212
Delta R.T. 0.07 min
Lab File: C76185.D
Acq: 13 Sep 2010 1:51 pm

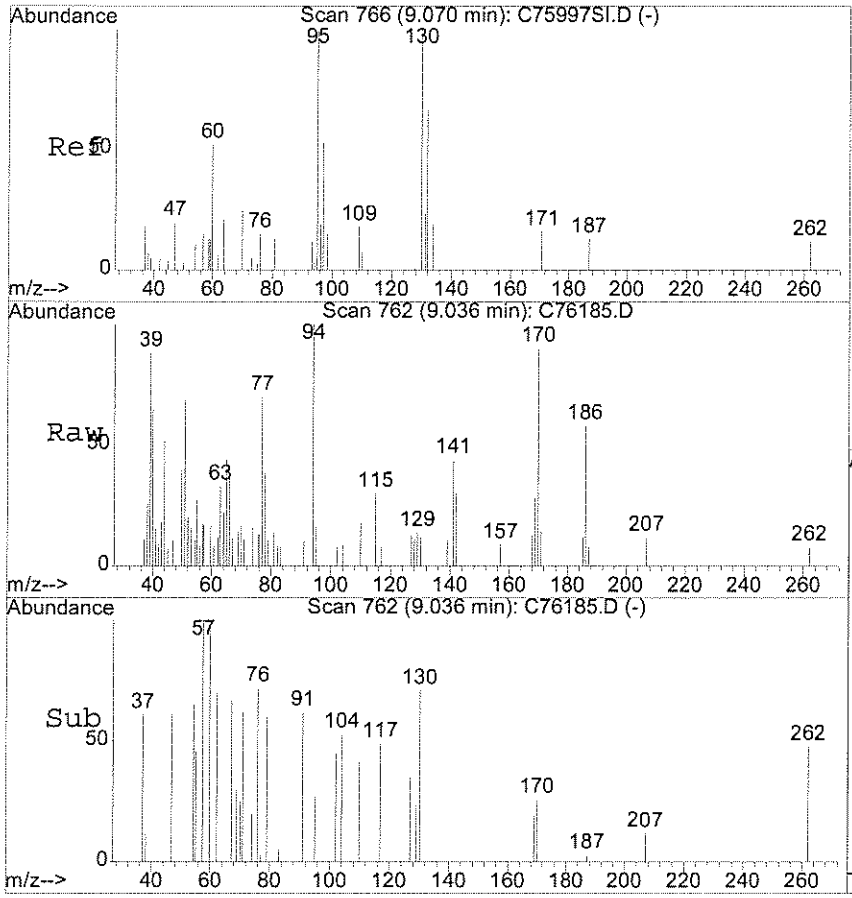
Tgt Ion: 43 Resp: 2963

Ion	Ratio	Lower	Upper
43	100		
58	5.9	20.9	31.3#



9/13/10

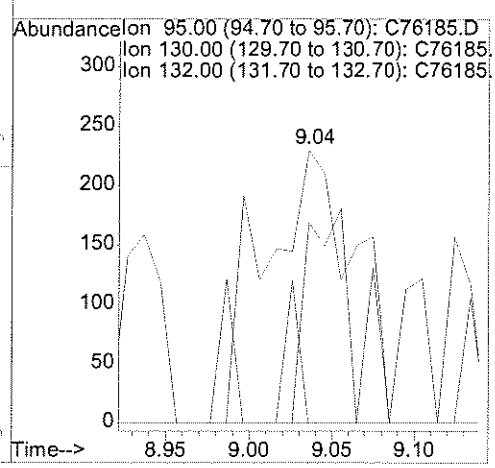
MT 9/13/10

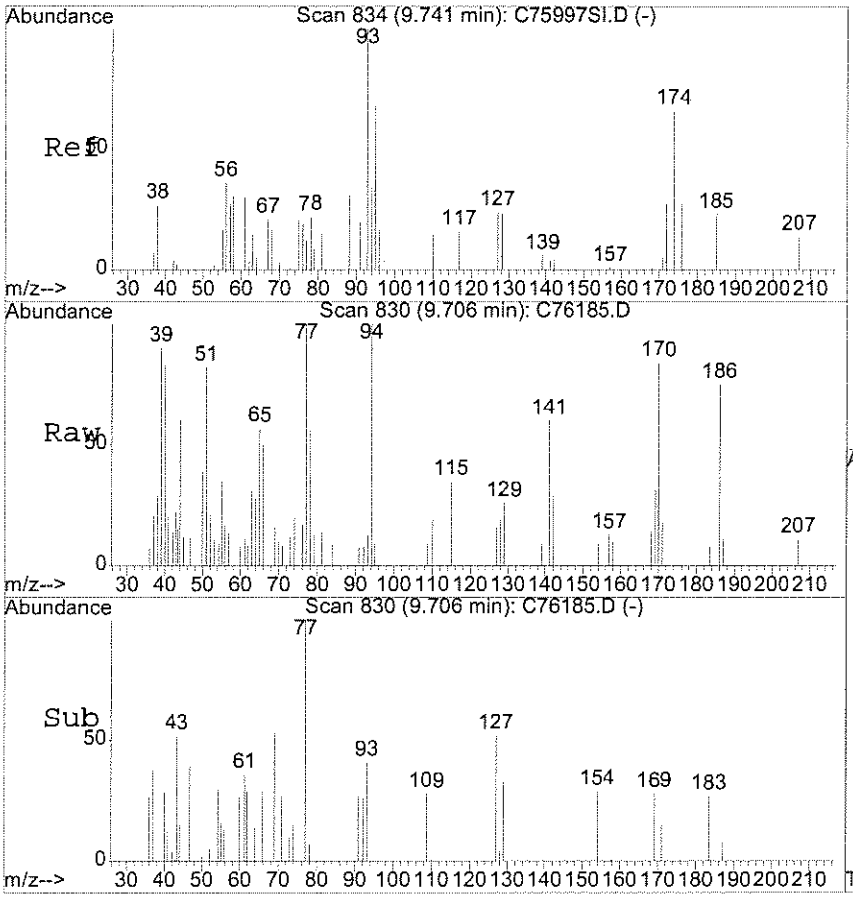


#40
Trichloroethene
Concen: Below Cal
RT: 9.04 min Scan# 762
Delta R.T. -0.00 min
Lab File: C76185.D
Acq: 13 Sep 2010 1:51 pm

Tgt Ion: 95 Resp: 872

Ion	Ratio	Lower	Upper
95	100		
130	73.5	78.9	118.9#
132	0.0	74.5	114.5#

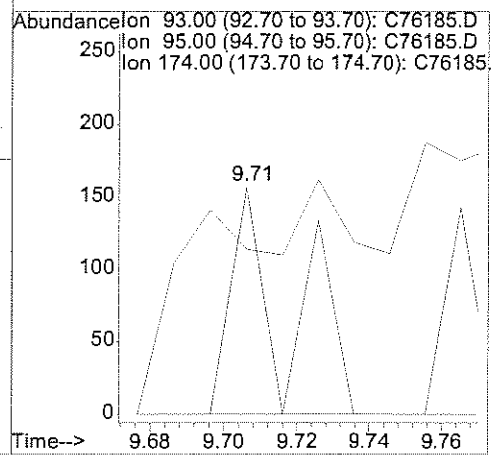




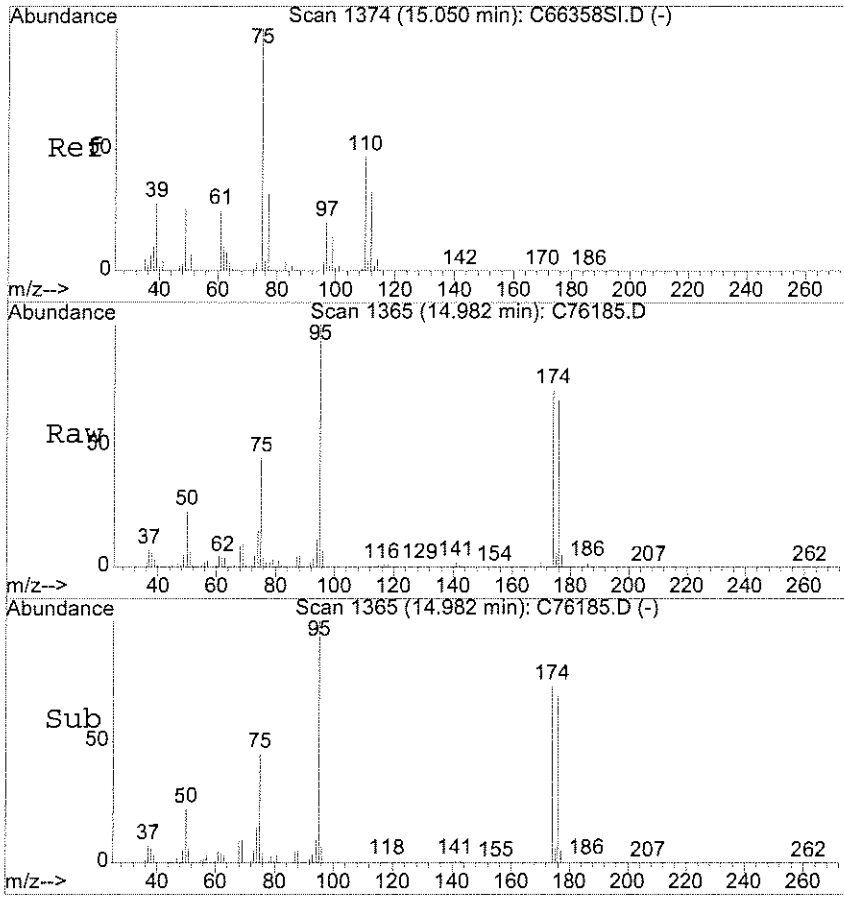
#46
Dibromomethane
Concen: Below Cal
RT: 9.71 min Scan# 830
Delta R.T. -0.00 min
Lab File: C76185.D
Acq: 13 Sep 2010 1:51 pm

Tgt Ion: 93 Resp: 172

Ion	Ratio	Lower	Upper
93	100		
95	1.9	63.4	103.4#
174	0.0	68.6	108.6#



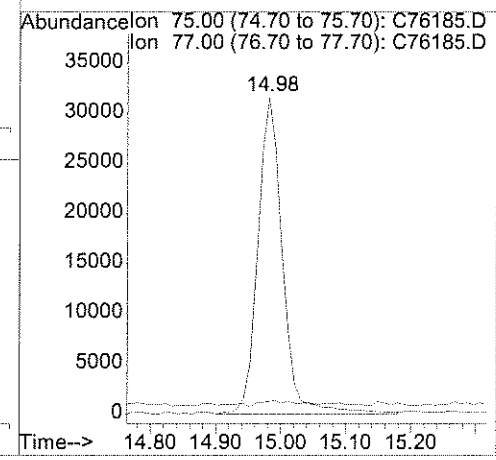
MT 9/13/10

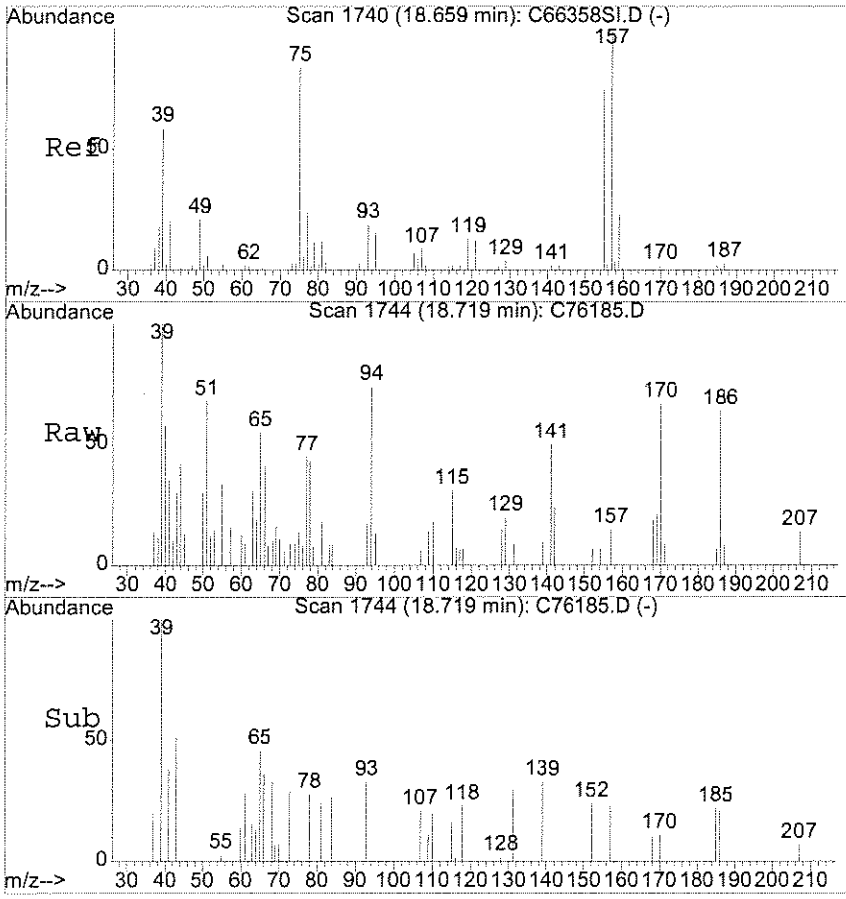


#74
1,2,3-Trichloropropane
Concen: 12.59 ug/L
RT: 14.98 min Scan# 1365
Delta R.T. -0.10 min
Lab File: C76185.D
Acq: 13 Sep 2010 1:51 pm

Tgt Ion: 75 Resp: 84309

Ion	Ratio	Lower	Upper
75	100		
77	1.1	25.8	35.8#

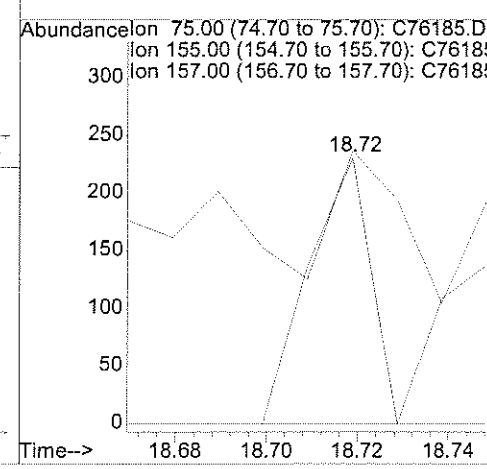




#92
1,2-Dibromo-3-chloropropane
Concen: Below Cal
RT: 18.72 min Scan# 1744
Delta R.T. 0.04 min
Lab File: C76185.D
Acq: 13 Sep 2010 1:51 pm

Tgt Ion: 75 Resp: 218

Ion	Ratio	Lower	Upper
75	100		
155	0.0	66.6	106.6#
157	18.6	80.5	120.5#



9/13/10

VOLATILE
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:VOCQC.doc

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): N

SDG: 67722

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	94		100		98	
LS09130C	99		104		106	
LS09130C2	102		104		105	
MB09130C	94		95		96	
67722-5	93		97		100	
67722-1	80		86		88	
67722-2	82		88		83	
67722-3	80		84		86	
67722-4	81		87		87	
67722-2,MS	88		92		92	
67722-2,MSD	93		91		95	

	Lower Limit	Upper Limit
SMC #1 = 1,2-Dichloroethane-d4	70	130
SMC #2 = Toluene-d8	70	130
SMC #3 = Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

MT 9/13/10

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: BLK
Spike: LS09130C
Spike duplicate: LS09130C2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	2000	2000	49	82	25	0	1269	63		1353	68		6	
Chloromethane	2000	2000	75	125	25	0	1563	78		1777	89		13	
Vinyl Chloride	2000	2000	75	125	25	0	1538	77		1670	84		8	
Bromomethane	2000	2000	75	125	25	0	1823	91		1883	94		3	
Chloroethane	2000	2000	75	125	25	0	1562	78		1602	80		3	
t-Butyl alcohol (TBA)	10000	10000	60	140	25	0	7923	79		9839	98		22	
Trichlorofluoromethane	2000	2000	75	125	25	0	1669	83		1762	88		5	
Diethyl ether	2000	2000	75	125	25	0	2070	103		2184	109		5	
1,1,2-Trichlorotrifluoroethane	2000	2000	75	125	25	0	1960	98		2055	103		5	
Acetone	5000	5000	75	125	25	0	5997	120		5337	107		12	
1,1-Dichloroethene	2000	2000	75	125	25	0	1942	97		2072	104		7	
Methyl iodide	2000	2000	75	125	25	0	2467	123		2791	140	*	12	
Di-isopropyl ether (DIPE)	2000	2000	75	125	25	0	1874	94		1961	98		5	
Methylene Chloride	2000	2000	75	125	25	0	2024	101		2082	104		3	
Carbon Disulfide	2000	2000	75	125	25	0	1994	100		2118	106		6	
Acrylonitrile	2000	2000	75	125	25	0	1957	98		2028	101		4	
Methyl-tert-butyl ether (MTBE)	2000	2000	75	125	25	0	2156	108		2293	115		6	
trans-1,2-Dichloroethene	2000	2000	75	125	25	0	1949	97		2038	102		4	
1,1-Dichloroethane	2000	2000	75	125	25	0	1983	99		2097	105		6	
Methyl ethyl ketone	5000	5000	60	140	25	0	4792	96		5192	104		8	
Ethyl t-butyl ether (ETBE)	2000	2000	75	125	25	0	1937	97		1997	100		3	
2,2-Dichloropropane	2000	2000	75	125	25	0	2097	105		2329	116		11	
cis-1,2-Dichloroethene	2000	2000	75	125	25	0	1891	95		2021	101		7	
t-Amyl methyl ether (TAME)	2000	2000	75	125	25	0	1874	94		1941	97		4	
Chloroform	2000	2000	75	125	25	0	1866	93		2038	102		9	
Bromochloromethane	2000	2000	75	125	25	0	2157	108		2278	114		5	
Tetrahydrofuran	2000	2000	60	140	25	0	1862	93		2114	106		13	
1,1,1-Trichloroethane	2000	2000	75	125	25	0	1916	96		2081	104		8	
1,1-Dichloropropene	2000	2000	75	125	25	0	1878	94		2010	101		7	
Carbon Tetrachloride	2000	2000	75	125	25	0	2028	101		2181	109		7	
1,2-Dichloroethane	2000	2000	75	125	25	0	1855	93		2065	103		11	
Benzene	2000	2000	75	125	25	0	1876	94		1947	97		4	
Trichloroethene	2000	2000	75	125	25	0	2078	104		2091	105		1	
1,2-Dichloropropane	2000	2000	75	125	25	0	1936	97		2052	103		6	
Methylmethacrylate	2000	2000	75	125	25	0	1815	91		1934	97		6	
Bromodichloromethane	2000	2000	75	125	25	0	1950	98		2071	104		6	
Dibromomethane	2000	2000	75	125	25	0	2200	110		2333	117		6	
2-Hexanone	5000	5000	75	125	25	0	4622	92		4751	95		3	
Methyl isobutyl ketone	5000	5000	75	125	25	0	4730	95		4773	95		1	
cis-1,3-Dichloropropene	2000	2000	75	125	25	0	2004	100		2115	106		5	
Toluene	2000	2000	75	125	25	0	1938	97		1989	99		3	
trans-1,3-Dichloropropene	2000	2000	75	125	25	0	2006	100		2069	103		3	
1,1,2-Trichloroethane	2000	2000	75	125	25	0	2017	101		2112	106		5	
1,3-Dichloropropane	2000	2000	75	125	25	0	1834	92		1917	96		4	
Tetrachloroethene	2000	2000	75	125	25	0	1682	84		1729	86		3	
Dibromochloromethane	2000	2000	75	125	25	0	1891	95		2001	100		6	
1,2-Dibromoethane	2000	2000	75	125	25	0	1831	92		1914	96		4	
Chlorobenzene	2000	2000	75	125	25	0	1889	94		1915	96		1	
1,1,1,2-Tetrachloroethane	2000	2000	75	125	25	0	1918	96		1969	98		3	
Ethylbenzene	2000	2000	75	125	25	0	1886	94		1893	95		0	

VOA FORM 3

JY-2010

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

MT 9/13/10

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: BLK
Spike: LS09130C
Spike duplicate: LS09130C2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
m,p-Xylene	4000	4000	75	125	25	0	3803	95		3829	96		1	
o-Xylene	2000	2000	75	125	25	0	1917	96		1948	97		2	
Styrene	2000	2000	75	125	25	0	1921	96		1952	98		2	
Bromoform	2000	2000	75	125	25	0	1938	97		1954	98		1	
Isopropylbenzene	2000	2000	75	125	25	0	1905	95		1935	97		2	
1,1,2,2-Tetrachloroethane	2000	2000	75	125	25	0	1811	91		1885	94		4	
1,2,3-Trichloropropane	2000	2000	75	125	25	0	1946	97		2045	102		5	
trans-1,4-Dichloro-2-butene	2000	2000	75	125	25	0	2070	103		2115	106		2	
n-Propylbenzene	2000	2000	75	125	25	0	1887	94		1927	96		2	
Bromobenzene	2000	2000	75	125	25	0	1957	98		1994	100		2	
1,3,5-Trimethylbenzene	2000	2000	75	125	25	0	1940	97		1990	99		3	
2-Chlorotoluene	2000	2000	75	125	25	0	1966	98		2062	103		5	
4-Chlorotoluene	2000	2000	75	125	25	0	1922	96		1976	99		3	
tert-butylbenzene	2000	2000	75	125	25	0	1946	97		1946	97		0	
1,2,4-Trimethylbenzene	2000	2000	75	125	25	0	1894	95		1960	98		3	
sec-butylbenzene	2000	2000	75	125	25	0	1910	96		1955	98		2	
p-isopropyltoluene	2000	2000	75	125	25	0	1884	94		1973	99		5	
1,3-Dichlorobenzene	2000	2000	75	125	25	0	1897	95		1988	99		5	
1,4-Dichlorobenzene	2000	2000	75	125	25	0	1877	94		1891	95		1	
n-butylbenzene	2000	2000	75	125	25	0	1908	95		1900	95		0	
1,2-Dichlorobenzene	2000	2000	75	125	25	0	1920	96		1945	97		1	
1,2-Dibromo-3-chloropropane	2000	2000	75	125	25	0	1771	89		1849	92		4	
1,2,4-Trichlorobenzene	2000	2000	75	125	25	0	1926	96		1915	96		1	
Hexachlorobutadiene	2000	2000	75	125	25	0	1912	96		1900	95		1	
Naphthalene	2000	2000	75	125	25	0	1898	95		1921	96		1	
1,2,3-Trichlorobenzene	2000	2000	75	125	25	0	1922	96		1910	95		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 5-9-2010

VOA FORM 3

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76181Q.D Vial: 10
Acq On : 13 Sep 2010 11:41 am Operator: MT
Sample : LS09130C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

* Added 5ml Surr to 10mL MeOH in vial.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	216243	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.57	114	423790	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.11	117	367658 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.82	152	161114	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.96	65	81436	9.91 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~49.55%~~#	99%
36) d4-1,2-Dichloroethane	7.96	65	81538	9.92 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~49.60%~~#	99%
54) d8-Toluene	10.83	98	242306	10.37 ug/L	0.00 *
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~51.85%~~#	104%
73) Bromofluorobenzene	14.98	95	92093	10.64 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~53.20%~~#	106%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.66	85	103888	12.69 ug/L	99
3) Chloromethane	1.95	50	171970	15.63 ug/L	99
4) Vinyl Chloride	1.99	62	127373	15.38 ug/L	99
5) Bromomethane	2.45	94	120791	18.23 ug/L	94
6) Chloroethane	2.54	64	97865	15.62 ug/L	100
7) t-Butyl alcohol (TBA)	3.95	59	61745	79.23 ug/L #	79
8) Trichlorofluoromethane	2.86	101	212081	16.69 ug/L	96
9) Diethyl ether	3.30	74	70582	20.70 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.47	101	137721	19.60 ug/L	95
12) Acetone	3.57	43	171956	59.97 ug/L	100
13) 1,1-Dichloroethene	3.70	96	126894	19.42 ug/L	97
14) Methyl iodide	4.14	142	147467	24.67 ug/L	99
15) Di-isopropyl ether (DIPE)	5.55	45	601386	18.74 ug/L	98
16) Methylene Chloride	4.47	84	151616	20.24 ug/L	98
17) Carbon Disulfide	4.43	76	440717	19.94 ug/L	100
18) Acrylonitrile	4.71	53	68239	19.57 ug/L	97
19) Methyl-tert-butyl ether (M	4.80	73	325864	21.56 ug/L	95
20) trans-1,2-Dichloroethene	4.96	61	216876	19.49 ug/L	95
21) 1,1-Dichloroethane	5.65	63	256709	19.83 ug/L	98
23) Methyl ethyl ketone	6.39	72	37117	47.92 ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.21	59	455774	19.37 ug/L	99
25) 2,2-Dichloropropane	6.56	77	175733	20.97 ug/L	90
26) cis-1,2-Dichloroethene	6.62	96	150770	18.91 ug/L	99
27) t-Amyl methyl ether (TAME)	7.95	73	362422	18.74 ug/L	99
29) Chloroform	6.88	83	244473	18.66 ug/L	100
30) Bromochloromethane	7.10	128	74040	21.57 ug/L	88

(#) = qualifier out of range (m) = manual integration 9-2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76181Q.D Vial: 10
Acq On : 13 Sep 2010 11:41 am Operator: MT
Sample : LS09130C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.22	71	16998	18.62 ug/L	87
32) 1,1,1-Trichloroethane	7.50	97	195753	19.16 ug/L	96
34) 1,1-Dichloropropene	7.72	75	192223	18.78 ug/L	99
35) Carbon Tetrachloride	7.87	119	123520	20.28 ug/L	92
37) 1,2-Dichloroethane	8.10	62	181821	18.55 ug/L	98
38) Benzene	8.11	78	498898	18.76 ug/L	99
40) Trichloroethene	9.04	95	155324	20.78 ug/L	99
41) 1,2-Dichloropropane	9.31	63	143216	19.36 ug/L	96
42) Methylmethacrylate	9.45	69	97058	18.15 ug/L	97
43) Methyl acetate	4.30	43	16481	0.92 ug/L #	89
45) Bromodichloromethane	9.66	83	168022	19.50 ug/L	94
46) Dibromomethane	9.72	93	105233	22.00 ug/L	98
51) 2-Hexanone	11.52	58	141563	46.22 ug/L	99
52) Methyl isobutyl ketone	10.21	58	148491	47.30 ug/L	99
53) cis-1,3-Dichloropropene	10.48	75	228188	20.04 ug/L	99
55) Toluene	10.95	92	317278	19.38 ug/L	97
56) trans-1,3-Dichloropropene	11.24	75	214752	20.06 ug/L	97
58) 1,1,2-Trichloroethane	11.47	83	106888	20.17 ug/L	98
59) 1,3-Dichloropropane	11.85	76	211332	18.34 ug/L	99
60) Tetrachloroethene	11.93	166	131660	16.82 ug/L	96
61) Dibromochloromethane	12.22	129	148931	18.91 ug/L	99
62) 1,2-Dibromoethane	12.52	107	149311	18.31 ug/L	99
64) Chlorobenzene	13.17	112	361221	18.89 ug/L	98
65) 1,1,1,2-Tetrachloroethane	13.24	131	126792	19.18 ug/L	95
66) Ethylbenzene	13.26	91	564020	18.86 ug/L	100
67) m,p-Xylene	13.38	106	463904	38.03 ug/L	97
68) o-Xylene	14.04	106	225708	19.17 ug/L	100
69) Styrene	14.09	104	395919	19.21 ug/L	99
70) Bromoform	14.59	173	88448	19.38 ug/L	98
71) Isopropylbenzene	14.61	105	584350	19.05 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.87	83	164321	18.11 ug/L	99
74) 1,2,3-Trichloropropane	15.09	75	121493	19.46 ug/L	99
75) trans-1,4-Dichloro-2-buten	15.22	89	48605	20.70 ug/L #	77
76) n-Propylbenzene	15.23	91	681257	18.87 ug/L	100
77) Bromobenzene	15.26	156	135068	19.57 ug/L	98
78) 1,3,5-Trimethylbenzene	15.48	105	465737	19.40 ug/L	97
79) 2-Chlorotoluene	15.48	91	431145	19.66 ug/L	99
80) 4-Chlorotoluene	15.56	91	398433	19.22 ug/L	99
81) tert-butylbenzene	16.03	119	414307	19.46 ug/L	99
82) 1,2,4-Trimethylbenzene	16.09	105	487285	18.94 ug/L	99
84) sec-butylbenzene	16.36	105	649015	19.10 ug/L	100

(#) = qualifier out of range (m) = manual integration

9-2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76181Q.D Vial: 10
Acq On : 13 Sep 2010 11:41 am Operator: MT
Sample : LS09130C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85)	p-isopropyltoluene	16.59	119	512303	18.84 ug/L	99
86)	1,3-Dichlorobenzene	16.71	146	238230	18.97 ug/L	97
88)	1,4-Dichlorobenzene	16.87	146	242956	18.77 ug/L	97
89)	n-butylbenzene	17.23	91	481062	19.08 ug/L	99
90)	1,2-Dichlorobenzene	17.45	146	223251	19.20 ug/L	97
92)	1,2-Dibromo-3-chloropropan	18.68	75	26409	17.71 ug/L	93
94)	1,2,4-Trichlorobenzene	20.09	180	170890	19.26 ug/L	95
95)	Hexachlorobutadiene	20.34	225	84202	19.12 ug/L	95
96)	Naphthalene	20.47	128	408979	18.98 ug/L	100
97)	1,2,3-Trichlorobenzene	20.89	180	151197	19.22 ug/L	98

9-2010

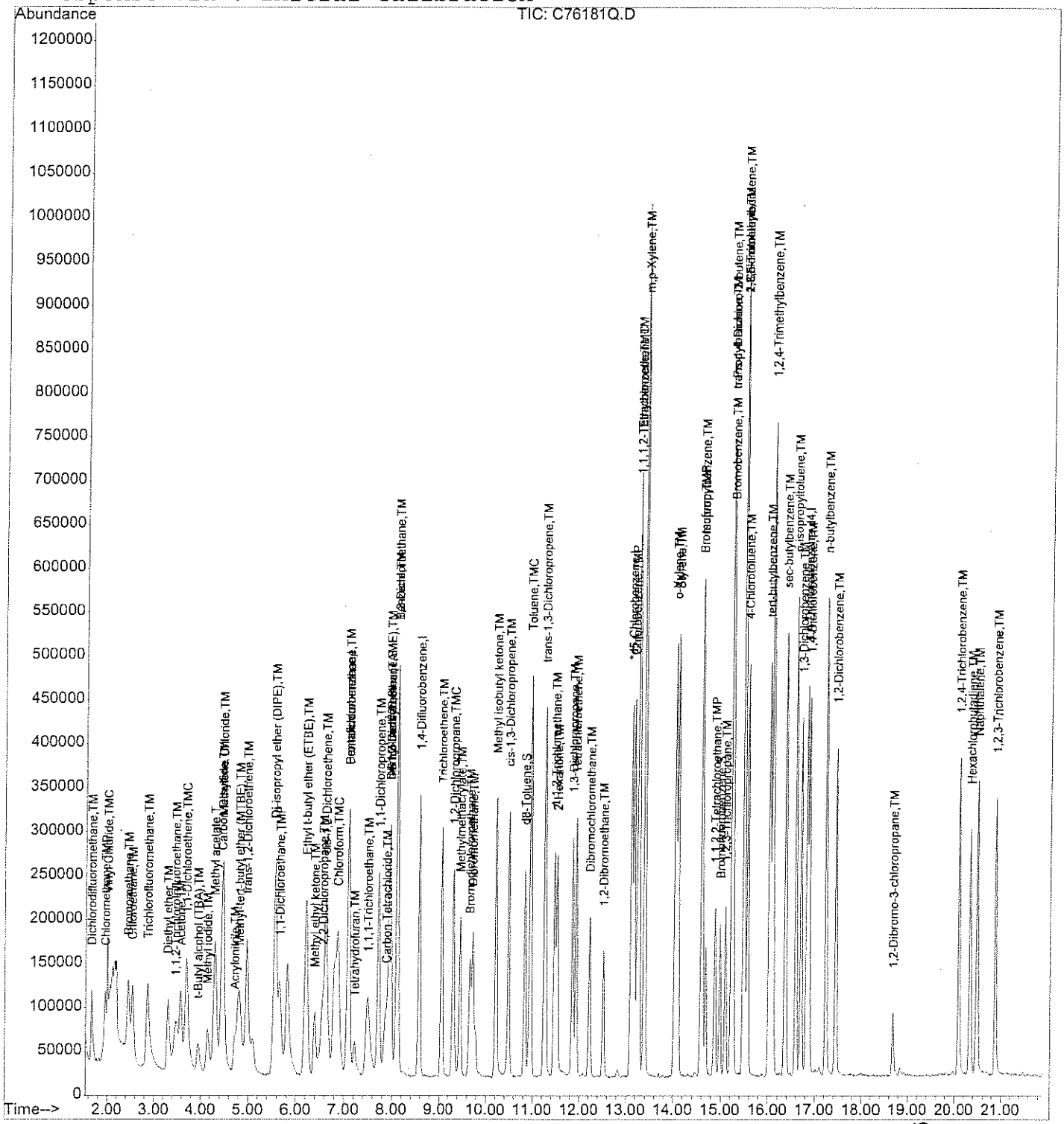
(#) = qualifier out of range (m) = manual integration
C76181Q.D V808100C.M Mon Sep 13 13:02:11 2010 Page 3

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76181Q.D Vial: 10
Acq On : 13 Sep 2010 11:41 am Operator: MT
Sample : LS09130C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/13/10



9/20/10

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76182Q.D Vial: 11
Acq On : 13 Sep 2010 12:20 pm Operator: MT
Sample : LS09130C2 Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

*Added Sul surr to 10mL MeOH in vial.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	211513	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.58	114	425087 ✓	20.00 ug/L	0.02
63) *d5-Chlorobenzene	13.10	117	378482 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.82	152	171418	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.96	65	81169	10.10 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~50.50%#~~	101%
36) d4-1,2-Dichloroethane	7.96	65	82007	10.20 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~51.00%#~~	102%
54) d8-Toluene	10.84	98	243724	10.40 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~52.00%#~~	104%
73) Bromofluorobenzene	14.98	95	93458	10.49 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~52.45%#~~	105%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.67	85	108391	13.53 ug/L	98
3) Chloromethane	1.95	50	191028	17.77 ug/L	99
4) Vinyl Chloride	2.00	62	135272	16.70 ug/L	97
5) Bromomethane	2.43	94	122167	18.83 ug/L	100
6) Chloroethane	2.53	64	98186	16.02 ug/L	94
7) t-Butyl alcohol (TBA)	3.98	59	74995	98.39 ug/L #	84
8) Trichlorofluoromethane	2.85	101	219038	17.62 ug/L	97
9) Diethyl ether	3.30	74	72834	21.84 ug/L	97
10) 1,1,2-Trichlorotrifluoroet	3.46	101	141204	20.55 ug/L	96
12) Acetone	3.58	43	150740	53.37 ug/L	99
13) 1,1-Dichloroethene	3.69	96	132479	20.72 ug/L	98
14) Methyl iodide	4.15	142	163293	27.91 ug/L	97
15) Di-isopropyl ether (DIPE)	5.56	45	615406	19.61 ug/L	99
16) Methylene Chloride	4.47	84	152358	20.82 ug/L	96
17) Carbon Disulfide	4.43	76	457861	21.18 ug/L	98
18) Acrylonitrile	4.71	53	69157	20.28 ug/L	96
19) Methyl-tert-butyl ether (M	4.80	73	339033	22.93 ug/L	99
20) trans-1,2-Dichloroethene	4.96	61	221750	20.38 ug/L	96
21) 1,1-Dichloroethane	5.66	63	265298	20.97 ug/L	97
23) Methyl ethyl ketone	6.40	72	39332	51.92 ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.21	59	459525	19.97 ug/L	99
25) 2,2-Dichloropropane	6.57	77	190944	23.29 ug/L	87
26) cis-1,2-Dichloroethene	6.62	96	157585	20.21 ug/L	93
27) t-Amyl methyl ether (TAME)	7.95	73	367219	19.41 ug/L	100
29) Chloroform	6.87	83	261070	20.38 ug/L	98
30) Bromochloromethane	7.11	128	76338	22.78 ug/L	99

(#) = qualifier out of range (m) = manual integration JT 2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76182Q.D Vial: 11
Acq On : 13 Sep 2010 12:20 pm Operator: MT
Sample : LS09130C2 Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.23	71	18675	21.14 ug/L	98
32) 1,1,1-Trichloroethane	7.49	97	207937	20.81 ug/L	97
34) 1,1-Dichloropropene	7.72	75	201276	20.10 ug/L	98
35) Carbon Tetrachloride	7.87	119	129921	21.81 ug/L	89
37) 1,2-Dichloroethane	8.10	62	197946	20.65 ug/L	99
38) Benzene	8.10	78	506473	19.47 ug/L	98
40) Trichloroethene	9.04	95	156779	20.91 ug/L	97
41) 1,2-Dichloropropane	9.31	63	152275	20.52 ug/L	98
42) Methylmethacrylate	9.45	69	103742	19.34 ug/L	98
45) Bromodichloromethane	9.65	83	178971	20.71 ug/L	99
46) Dibromomethane	9.72	93	111380	23.33 ug/L	95
47) 1,4-Dioxane	9.73	88	3392	36.74 ug/L	98
51) 2-Hexanone	11.53	58	145959	47.51 ug/L	99
52) Methyl isobutyl ketone	10.21	58	150281	47.73 ug/L	98
53) cis-1,3-Dichloropropene	10.48	75	241526	21.15 ug/L	99
55) Toluene	10.95	92	326649	19.89 ug/L	100
56) trans-1,3-Dichloropropene	11.25	75	222180	20.69 ug/L	95
58) 1,1,2-Trichloroethane	11.47	83	112276	21.12 ug/L	96
59) 1,3-Dichloropropane	11.85	76	221544	19.17 ug/L	99
60) Tetrachloroethene	11.93	166	135734	17.29 ug/L	99
61) Dibromochloromethane	12.22	129	158104	20.01 ug/L	95
62) 1,2-Dibromoethane	12.52	107	156513	19.14 ug/L	99
64) Chlorobenzene	13.16	112	376839	19.15 ug/L	98
65) 1,1,1,2-Tetrachloroethane	13.24	131	133972	19.69 ug/L	99
66) Ethylbenzene	13.26	91	582977	18.93 ug/L	98
67) m,p-Xylene	13.38	106	480819	38.29 ug/L	100
68) o-Xylene	14.04	106	236087	19.48 ug/L	98
69) Styrene	14.10	104	414214	19.52 ug/L	99
70) Bromoform	14.58	173	91860	19.54 ug/L	100
71) Isopropylbenzene	14.60	105	611153	19.35 ug/L	100
72) 1,1,2,2-Tetrachloroethane	14.87	83	176085	18.85 ug/L	97
74) 1,2,3-Trichloropropane	15.10	75	131167	20.45 ug/L	100
75) trans-1,4-Dichloro-2-buten	15.22	89	51126	21.15 ug/L #	79
76) n-Propylbenzene	15.23	91	715988	19.27 ug/L	100
77) Bromobenzene	15.26	156	141658	19.94 ug/L	96
78) 1,3,5-Trimethylbenzene	15.48	105	491627	19.90 ug/L	97
79) 2-Chlorotoluene	15.48	91	465571	20.62 ug/L	97
80) 4-Chlorotoluene	15.56	91	421754	19.76 ug/L	99
81) tert-butylbenzene	16.03	119	426454	19.46 ug/L	99
82) 1,2,4-Trimethylbenzene	16.09	105	518911	19.60 ug/L	98
84) sec-butylbenzene	16.37	105	683764	19.55 ug/L	98

(#) = qualifier out of range (m) = manual integration

9-2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76182Q.D Vial: 11
Acq On : 13 Sep 2010 12:20 pm Operator: MT
Sample : LS09130C2 Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85) p-isopropyltoluene	16.59	119	552150	19.73 ug/L	98
86) 1,3-Dichlorobenzene	16.70	146	257062	19.88 ug/L	99
88) 1,4-Dichlorobenzene	16.87	146	260438	18.91 ug/L	98
89) n-butylbenzene	17.24	91	509737	19.00 ug/L	99
90) 1,2-Dichlorobenzene	17.44	146	240657	19.45 ug/L	96
92) 1,2-Dibromo-3-chloropropan	18.69	75	29282	18.49 ug/L	86
94) 1,2,4-Trichlorobenzene	20.10	180	180791	19.15 ug/L	96
95) Hexachlorobutadiene	20.33	225	89062	19.00 ug/L	94
96) Naphthalene	20.48	128	440396	19.21 ug/L	99
97) 1,2,3-Trichlorobenzene	20.88	180	159899	19.10 ug/L	97

9-2010

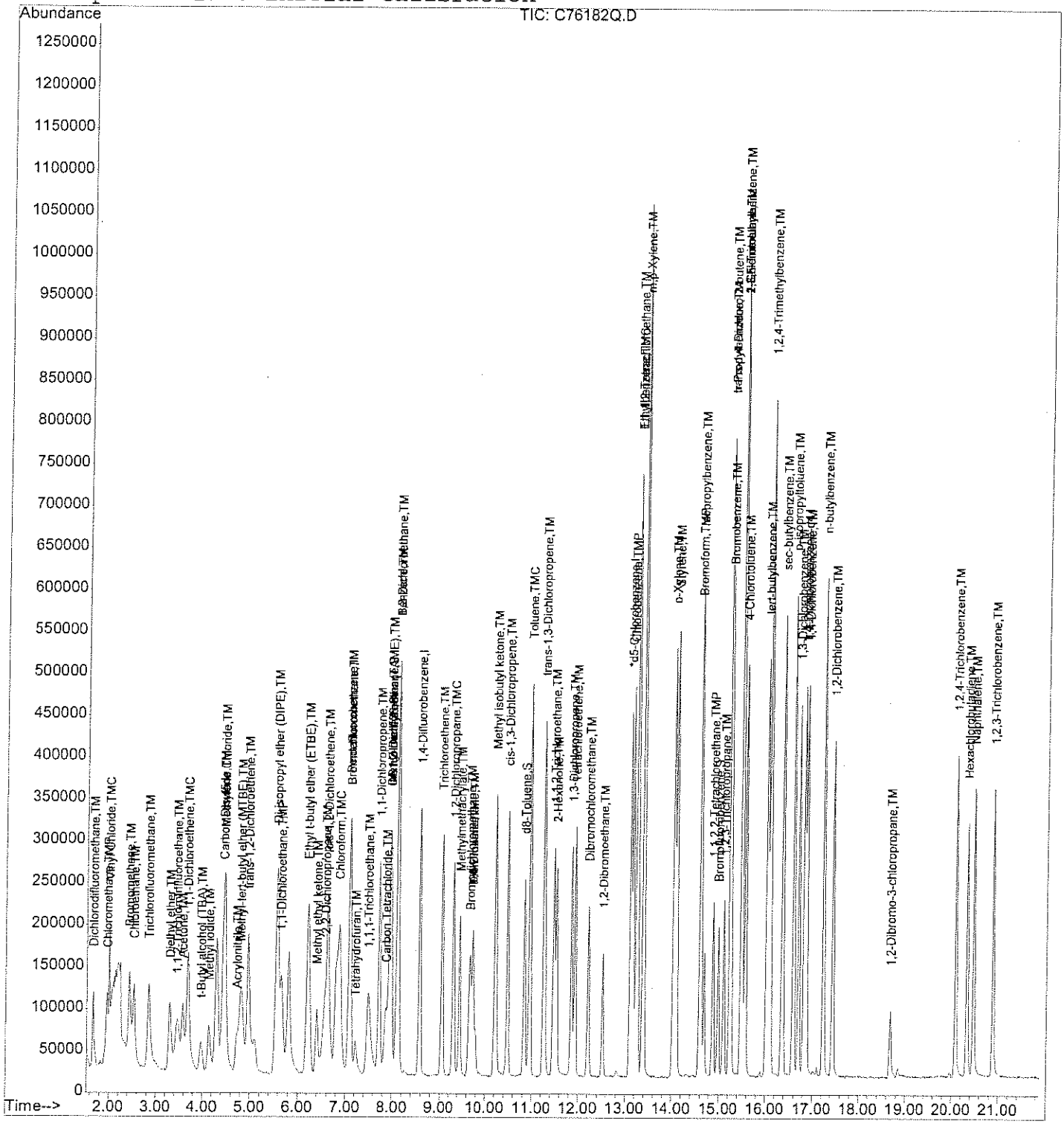
(#) = qualifier out of range (m) = manual integration
C76182Q.D V808100C.M Mon Sep 13 13:02:15 2010 Page 3

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76182Q.D Vial: 11
Acq On : 13 Sep 2010 12:20 pm Operator: MT
Sample : LS09130C2 Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/13/10



9-2010

VOLATILE ORGANIC SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

MT 9/14/10

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: 67722-2
Spike: 67722-2,MS
Spike duplicate: 67722-2,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	1099	1102	49	82	25	0	596	54		579	53		3	
Chloromethane	1099	1102	75	125	25	0	790	72	* M	867	79		9	
Vinyl Chloride	1099	1102	75	125	25	0	803	73	* M	797	72	* M	1	
Bromomethane	1099	1102	75	125	25	0	836	76		864	78		3	
Chloroethane	1099	1102	75	125	25	0	914	83		779	71	* M	16	
t-Butyl alcohol (TBA)	5495	5512	60	140	25	0	4303	78		4773	87		10	
Trichlorofluoromethane	1099	1102	75	125	25	0	868	79		874	79		0	
Diethyl ether	1099	1102	75	125	25	0	1087	99		1138	103		4	
1,1,2-Trichlorotrifluoroethane	1099	1102	75	125	25	0	1030	94		1026	93		1	
Acetone	2748	2756	75	125	25	0	2366	86		2628	95		10	
1,1-Dichloroethene	1099	1102	75	125	25	0	1034	94		1013	92		2	
Methyl iodide	1099	1102	75	125	25	0	1598	145	*	1457	132	* M	10	
Di-isopropyl ether (DIPE)	1099	1102	75	125	25	0	1003	91		989	90		2	
Methylene Chloride	1099	1102	75	125	25	0	1090	99		1250	113		13	
Carbon Disulfide	1099	1102	75	125	25	0	1031	94		1038	94		0	
Acrylonitrile	1099	1102	75	125	25	0	947	86		1018	92		7	
Methyl-tert-butyl ether (MTBE)	1099	1102	75	125	25	0	1134	103		1196	108		5	
trans-1,2-Dichloroethene	1099	1102	75	125	25	0	1006	92		1036	94		3	
1,1-Dichloroethane	1099	1102	75	125	25	0	1094	100		1100	100		0	
Methyl ethyl ketone	2748	2756	60	140	25	0	2342	85		2562	93		9	
Ethyl t-butyl ether (ETBE)	1099	1102	75	125	25	0	1025	93		1018	92		1	
2,2-Dichloropropane	1099	1102	75	125	25	0	1089	99		1161	105		6	
cis-1,2-Dichloroethene	1099	1102	75	125	25	0	998	91		1033	94		3	
t-Amyl methyl ether (TAME)	1099	1102	75	125	25	0	992	90		986	89		1	
Chloroform	1099	1102	75	125	25	0	1033	94		1046	95		1	
Bromochloromethane	1099	1102	75	125	25	0	1189	108		1140	103		4	
Tetrahydrofuran	1099	1102	60	140	25	0	932	85		884	80		6	
1,1,1-Trichloroethane	1099	1102	75	125	25	0	1053	96		1065	97		1	
1,1-Dichloropropene	1099	1102	75	125	25	0	1001	91		1028	93		2	
Carbon Tetrachloride	1099	1102	75	125	25	0	938	85		1039	94		10	
1,2-Dichloroethane	1099	1102	75	125	25	0	1036	94		1032	94		1	
Benzene	1099	1102	75	125	25	0	1000	91		993	90		1	
Trichloroethene	1099	1102	75	125	25	0	1124	102		1048	95		7	
1,2-Dichloropropane	1099	1102	75	125	25	0	1038	94		1030	93		1	
Methylmethacrylate	1099	1102	75	125	25	0	916	83		930	84		1	
Bromodichloromethane	1099	1102	75	125	25	0	973	88		1017	92		4	
Dibromomethane	1099	1102	75	125	25	0	1219	111		1219	111		0	
2-Hexanone	2748	2756	75	125	25	0	2208	80		2398	87		8	
Methyl isobutyl ketone	2748	2756	75	125	25	0	2338	85		2407	87		3	
cis-1,3-Dichloropropene	1099	1102	75	125	25	0	1056	96		1046	95		1	
Toluene	1099	1102	75	125	25	0	1020	93		1009	92		1	
trans-1,3-Dichloropropene	1099	1102	75	125	25	0	1004	91		1015	92		1	
1,1,2-Trichloroethane	1099	1102	75	125	25	0	1082	98		1057	96		3	
1,3-Dichloropropane	1099	1102	75	125	25	0	968	88		964	87		1	
Tetrachloroethene	1099	1102	75	125	25	0	908	83		879	80		4	
Dibromochloromethane	1099	1102	75	125	25	0	946	86		964	87		2	
1,2-Dibromoethane	1099	1102	75	125	25	0	948	86		953	86		0	
Chlorobenzene	1099	1102	75	125	25	0	990	90		969	88		2	
1,1,1,2-Tetrachloroethane	1099	1102	75	125	25	0	981	89		997	90		1	
Ethylbenzene	1099	1102	75	125	25	0	977	89		972	88		1	

VOA FORM 3

JY-2010

VOLATILE ORGANIC SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

MT 9/14/10

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: 67722-2
Spike: 67722-2,MS
Spike duplicate: 67722-2,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
m,p-Xylene	2198	2205	75	125	25	0	1951	89		1983	90		1	
o-Xylene	1099	1102	75	125	25	0	992	90		988	90		1	
Styrene	1099	1102	75	125	25	0	993	90		1005	91		1	
Bromoform	1099	1102	75	125	25	0	898	82		939	85		4	
Isopropylbenzene	1099	1102	75	125	25	0	986	90		985	89		0	
1,1,2,2-Tetrachloroethane	1099	1102	75	125	25	0	954	87		988	90		3	
1,2,3-Trichloropropane	1099	1102	75	125	25	0	996	91		1013	92		1	
trans-1,4-Dichloro-2-butene	1099	1102	75	125	25	0	985	90		1016	92		3	
n-Propylbenzene	1099	1102	75	125	25	0	968	88		983	89		1	
Bromobenzene	1099	1102	75	125	25	0	1014	92		1013	92		0	
1,3,5-Trimethylbenzene	1099	1102	75	125	25	0	1011	92		1035	94		2	
2-Chlorotoluene	1099	1102	75	125	25	0	996	91		1031	94		3	
4-Chlorotoluene	1099	1102	75	125	25	0	1007	92		1019	92		1	
tert-butylbenzene	1099	1102	75	125	25	0	982	89		997	90		1	
1,2,4-Trimethylbenzene	1099	1102	75	125	25	33	998	88		1006	88		1	
sec-butylbenzene	1099	1102	75	125	25	33	1005	88		1014	89		1	
p-isopropyltoluene	1099	1102	75	125	25	32	1034	91		1066	94		3	
1,3-Dichlorobenzene	1099	1102	75	125	25	0	968	88		979	89		1	
1,4-Dichlorobenzene	1099	1102	75	125	25	0	949	86		953	86		0	
n-butylbenzene	1099	1102	75	125	25	0	1401	127	* M	1473	134	* M	5	
1,2-Dichlorobenzene	1099	1102	75	125	25	0	967	88		977	89		1	
1,2-Dibromo-3-chloropropane	1099	1102	75	125	25	0	933	85		966	88		3	
1,2,4-Trichlorobenzene	1099	1102	75	125	25	0	936	85		946	86		1	
Hexachlorobutadiene	1099	1102	75	125	25	0	917	83		933	85		1	
Naphthalene	1099	1102	75	125	25	109	1047	85		1100	90		5	
1,2,3-Trichlorobenzene	1099	1102	75	125	25	0	950	86		936	85		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

JG-2010

VOA FORM 3

VOLATILE ORGANIC SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

MT 9/14/10

Conversion Worksheet

Sample	Misc Info	Amt (uL) Analyzed	Wt (g) Extracted	Final Vol MeoH	% Solid	CF
67722-2	50,10.22,SOIL	50	10.22	5	0.9209	53.125941
67722-2,MS	50,9.88,SOIL	50	9.88	5	0.9209	54.954162
67722-2,MSD	50,9.85,SOIL	50	9.85	5	0.9209	55.121535

29-2010

VOA FORM 3

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76196SP.D Vial: 8
Acq On : 13 Sep 2010 7:36 pm Operator: MT
Sample : 67722-2,MS Inst : Instr_C
Misc : 50,9.88,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	209292	20.00 ug/L	0.01
39) 1,4-Difluorobenzene	8.59	114	415238 ✓	20.00 ug/L	0.02
63) *d5-Chlorobenzene	13.11	117	363446	20.00 ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	157698	20.00 ug/L	0.01

System Monitoring Compounds					
28) DB Holder #28	7.98	65	140688	17.70 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	88.50% ✓	
36) d4-1,2-Dichloroethane	7.98	65	140688	17.68 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	88.40% ✓	
54) d8-Toluene	10.84	98	420401	18.36 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	91.80% ✓	
73) Bromofluorobenzene	14.99	95	157624	18.43 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	92.15% ✓	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.66	85	86005	10.85 ug/L	95
3) Chloromethane	1.96	50	153198	14.37 ug/L	99
4) Vinyl Chloride	2.00	62	117086	14.61 ug/L	99
5) Bromomethane	2.45	94	96637	15.22 ug/L	99
6) Chloroethane	2.54	64	100859	16.63 ug/L	96
7) t-Butyl alcohol (TBA)	3.98	59	59064	78.31 ug/L #	84
8) Trichlorofluoromethane	2.86	101	194363	15.80 ug/L	99
9) Diethyl ether	3.31	74	65312	19.79 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.48	101	127488	18.75 ug/L	96
12) Acetone	3.59	43	122127	43.05 ug/L	97
13) 1,1-Dichloroethene	3.70	96	119017	18.82 ug/L	94
14) Methyl iodide	4.15	142	168455	29.09 ug/L	97
15) Di-isopropyl ether (DIPE)	5.56	45	566771	18.25 ug/L	100
16) Methylene Chloride	4.47	84	143931	19.84 ug/L	96
17) Carbon Disulfide	4.44	76	401448	18.77 ug/L	98
18) Acrylonitrile	4.72	53	58176	17.24 ug/L	94
19) Methyl-tert-butyl ether (M	4.81	73	301757	20.63 ug/L	97
20) trans-1,2-Dichloroethene	4.98	61	197133	18.31 ug/L	93
21) 1,1-Dichloroethane	5.67	63	249446	19.91 ug/L	96
23) Methyl ethyl ketone	6.40	72	31946	42.62 ug/L	94
24) Ethyl t-butyl ether (ETBE)	6.22	59	424948	18.66 ug/L	99
25) 2,2-Dichloropropane	6.58	77	160687	19.81 ug/L	91
26) cis-1,2-Dichloroethene	6.62	96	140163	18.16 ug/L	96
27) t-Amyl methyl ether (TAME)	7.96	73	337809	18.05 ug/L	97
29) Chloroform	6.88	83	238208	18.79 ug/L	94
30) Bromochloromethane	7.12	128	71871	21.64 ug/L	97

(#) = qualifier out of range (m) = manual integration 9/20/10

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76196SP.D Vial: 8
Acq On : 13 Sep 2010 7:36 pm Operator: MT
Sample : 67722-2,MS Inst : Instr_C
Misc : 50,9.88,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/14/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.23	71	15122	16.96 ug/L	88
32) 1,1,1-Trichloroethane	7.50	97	189402	19.16 ug/L	97
34) 1,1-Dichloropropene	7.73	75	180480	18.21 ug/L	98
35) Carbon Tetrachloride	7.87	119	100620	17.07 ug/L	89
37) 1,2-Dichloroethane	8.11	62	178880	18.86 ug/L	99
38) Benzene	8.11	78	468516	18.20 ug/L	99
40) Trichloroethene	9.05	95	149884	20.45 ug/L	94
41) 1,2-Dichloropropane	9.32	63	136954	18.89 ug/L	100
42) Methylmethacrylate	9.45	69	87396	16.68 ug/L	93
43) Methyl acetate	4.32	43	32411	2.68 ug/L #	96
45) Bromodichloromethane	9.66	83	149385	17.70 ug/L	98
46) Dibromomethane	9.73	93	103906	22.18 ug/L	99
47) 1,4-Dioxane	9.74	88	2310	25.62 ug/L #	53
51) 2-Hexanone	11.54	58	120606	40.19 ug/L	97
52) Methyl isobutyl ketone	10.22	58	130878	42.55 ug/L	98
53) cis-1,3-Dichloropropene	10.49	75	214397	19.22 ug/L	99
55) Toluene	10.95	92	297776	18.56 ug/L	99
56) trans-1,3-Dichloropropene	11.25	75	191684	18.27 ug/L	99
58) 1,1,2-Trichloroethane	11.48	83	102259	19.70 ug/L	97
59) 1,3-Dichloropropane	11.85	76	198926	17.62 ug/L	100
60) Tetrachloroethene	11.94	166	126746	16.53 ug/L	97
61) Dibromochloromethane	12.23	129	132902	17.22 ug/L	96
62) 1,2-Dibromoethane	12.52	107	137732	17.24 ug/L	99
64) Chlorobenzene	13.17	112	340508	18.02 ug/L	96
65) 1,1,1,2-Tetrachloroethane	13.25	131	116700	17.86 ug/L	96
66) Ethylbenzene	13.27	91	525594	17.78 ug/L	99
67) m,p-Xylene	13.39	106	428136	35.51 ug/L	99
68) o-Xylene	14.05	106	210029	18.04 ug/L	96
69) Styrene	14.11	104	368061	18.07 ug/L	100
70) Bromoform	14.59	173	73168	16.33 ug/L	99
71) Isopropylbenzene	14.61	105	544162	17.94 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.88	83	155689	17.36 ug/L	100
74) 1,2,3-Trichloropropane	15.10	75	112200	18.12 ug/L	99
75) trans-1,4-Dichloro-2-buten	15.23	89	41593	17.92 ug/L #	84
76) n-Propylbenzene	15.23	91	628323	17.61 ug/L	98
77) Bromobenzene	15.26	156	125863	18.45 ug/L	98
78) 1,3,5-Trimethylbenzene	15.49	105	436709	18.40 ug/L	99
79) 2-Chlorotoluene	15.49	91	393099	18.13 ug/L	99
80) 4-Chlorotoluene	15.57	91	375421	18.32 ug/L	97
81) tert-butylbenzene	16.04	119	376227	17.87 ug/L	97
82) 1,2,4-Trimethylbenzene	16.10	105	461604	18.15 ug/L	99

(#) = qualifier out of range (m) = manual integration 9-2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76196SP.D Vial: 8
Acq On : 13 Sep 2010 7:36 pm Operator: MT
Sample : 67722-2,MS Inst : Instr_C
Misc : 50,9.88,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/14/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
83)	Diisobutylketone	15.12	57	210761	11.72 ug/L #	48
84)	sec-butylbenzene	16.38	105	614287	18.29 ug/L	98
85)	p-isopropyltoluene	16.59	119	505548	18.81 ug/L	99
86)	1,3-Dichlorobenzene	16.71	146	218650	17.61 ug/L	99
88)	1,4-Dichlorobenzene	16.88	146	218938	17.28 ug/L	99
89)	n-butylbenzene	17.24	91	629400	25.50 ug/L	66
90)	1,2-Dichlorobenzene	17.45	146	200314	17.60 ug/L	95
92)	1,2-Dibromo-3-chloropropan	18.69	75	24826	16.97 ug/L	94
94)	1,2,4-Trichlorobenzene	20.09	180	147901	17.03 ug/L	98
95)	Hexachlorobutadiene	20.34	225	71932	16.68 ug/L	97
96)	Naphthalene	20.48	128	401923	19.06 ug/L	100
97)	1,2,3-Trichlorobenzene	20.89	180	133169	17.29 ug/L	99

29.2010

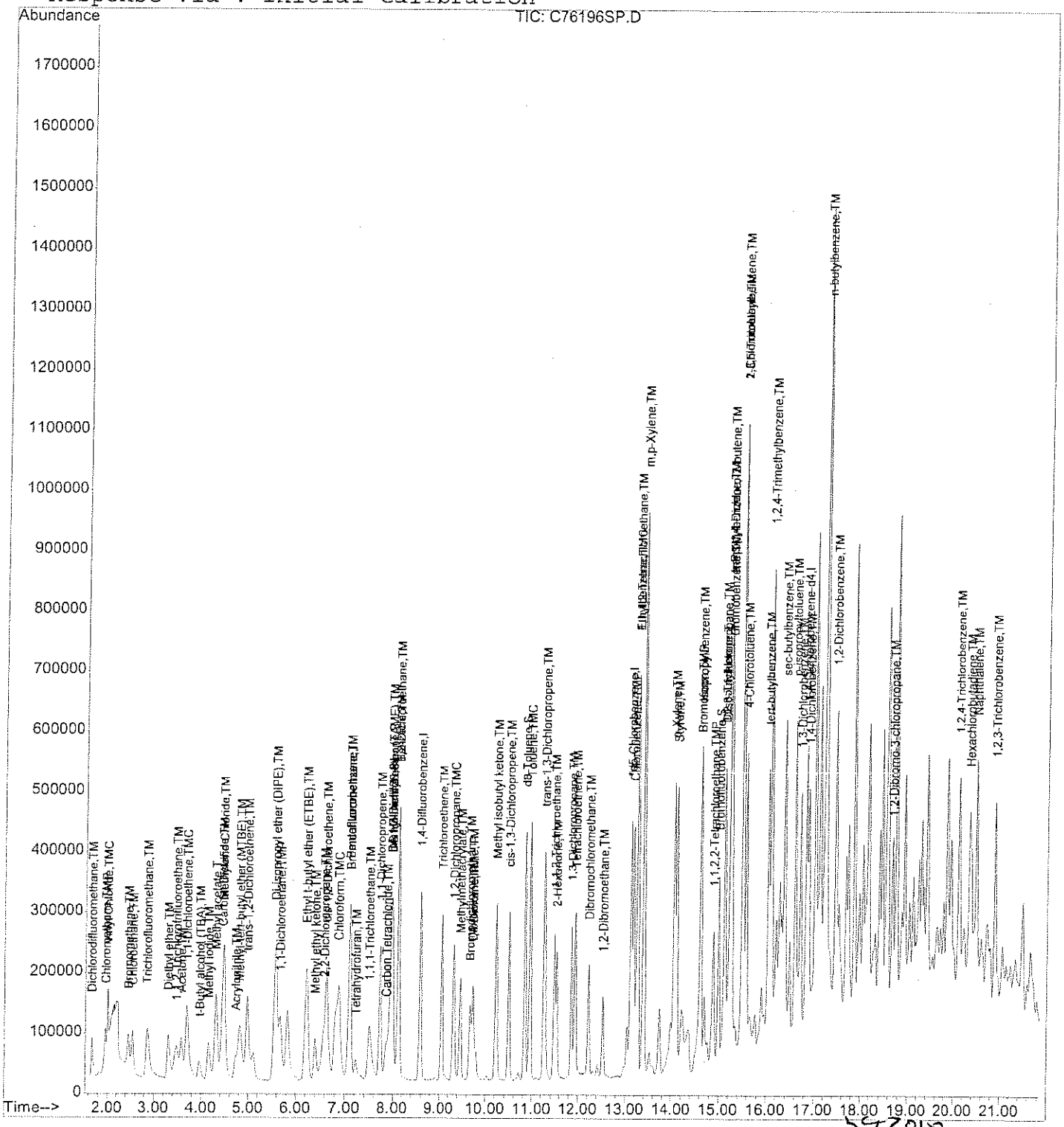
(#) = qualifier out of range (m) = manual integration
C76196SP.D V808100C.M Tue Sep 14 07:50:04 2010 Page 3

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76196SP.D Vial: 8
Acq On : 13 Sep 2010 7:36 pm Operator: MT
Sample : 67722-2,MS Inst : Instr_C
Misc : 50,9.88,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/14/10



9/14/2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76197SP.D Vial: 10
Acq On : 13 Sep 2010 8:09 pm Operator: MT
Sample : 67722-2,MSD Inst : Instr_C
Misc : 50,9.85,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	208183	20.00 ug/L	0.02
39) 1,4-Difluorobenzene	8.58	114	419998 ✓	20.00 ug/L	0.02
63) *d5-Chlorobenzene	13.11	117	370150 ✓	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.83	152	163548	20.00 ug/L	0.02

System Monitoring Compounds					
28) DB Holder #28	7.97	65	147606	18.67 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.35% ✓	
36) d4-1,2-Dichloroethane	7.97	65	147606	18.65 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.25% ✓	
54) d8-Toluene	10.85	98	423537	18.29 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	91.45% ✓	
73) Bromofluorobenzene	14.99	95	166295	19.09 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.45% ✓	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.67	85	82859	10.51 ug/L	94
3) Chloromethane	1.95	50	166696	15.73 ug/L	97
4) Vinyl Chloride	2.00	62	115288	14.46 ug/L	100
5) Bromomethane	2.44	94	99174	15.68 ug/L	98
6) Chloroethane	2.54	64	85245	14.13 ug/L	94
7) t-Butyl alcohol (TBA)	3.96	59	64964	86.59 ug/L #	78
8) Trichlorofluoromethane	2.86	101	194042	15.86 ug/L	92
9) Diethyl ether	3.31	74	67802	20.65 ug/L	93
10) 1,1,2-Trichlorotrifluoroet	3.47	101	125952	18.62 ug/L	97
12) Acetone	3.59	43	133556	47.68 ug/L	98
13) 1,1-Dichloroethene	3.70	96	115612	18.37 ug/L	98
14) Methyl iodide	4.15	142	152136	26.42 ug/L	98
15) Di-isopropyl ether (DIPE)	5.57	45	554127	17.94 ug/L	99
16) Methylene Chloride	4.48	84	162920	22.68 ug/L	99
17) Carbon Disulfide	4.44	76	400729	18.84 ug/L	99
18) Acrylonitrile	4.72	53	62028	18.48 ug/L	99
19) Methyl-tert-butyl ether (M	4.81	73	315679	21.69 ug/L	96
20) trans-1,2-Dichloroethene	4.97	61	201264	18.79 ug/L	90
21) 1,1-Dichloroethane	5.67	63	248792	19.96 ug/L	99
23) Methyl ethyl ketone	6.41	72	34654	46.48 ug/L	98
24) Ethyl t-butyl ether (ETBE)	6.22	59	418456	18.47 ug/L	99
25) 2,2-Dichloropropane	6.57	77	170011	21.07 ug/L	92
26) cis-1,2-Dichloroethene	6.64	96	143912	18.75 ug/L	91
27) t-Amyl methyl ether (TAME)	7.96	73	333209	17.90 ug/L	97
29) Chloroform	6.88	83	239302	18.98 ug/L	99
30) Bromochloromethane	7.11	128	68444	20.69 ug/L	93

(#) = qualifier out of range (m) = manual integration 9-2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76197SP.D Vial: 10
Acq On : 13 Sep 2010 8:09 pm Operator: MT
Sample : 67722-2,MSD Inst : Instr_C
Misc : 50,9.85,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/14/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.23	71	14305	16.04 ug/L #	68
32) 1,1,1-Trichloroethane	7.49	97	189989	19.32 ug/L	94
34) 1,1-Dichloropropene	7.73	75	183779	18.65 ug/L	98
35) Carbon Tetrachloride	7.87	119	110584	18.86 ug/L	95
37) 1,2-Dichloroethane	8.11	62	176570	18.72 ug/L	99
38) Benzene	8.11	78	461331	18.01 ug/L	99
40) Trichloroethene	9.05	95	141400	19.01 ug/L	97
41) 1,2-Dichloropropane	9.32	63	137059	18.69 ug/L	97
42) Methylmethacrylate	9.46	69	89430	16.87 ug/L	97
43) Methyl acetate	4.32	43	21314	1.46 ug/L #	90
45) Bromodichloromethane	9.66	83	157471	18.44 ug/L	97
46) Dibromomethane	9.72	93	104775	22.11 ug/L	99
47) 1,4-Dioxane	9.74	88	2543	27.88 ug/L #	80
51) 2-Hexanone	11.53	58	132038	43.50 ug/L	99
52) Methyl isobutyl ketone	10.22	58	135850	43.67 ug/L	99
53) cis-1,3-Dichloropropene	10.49	75	214046	18.97 ug/L	100
55) Toluene	10.95	92	297022	18.31 ug/L	97
56) trans-1,3-Dichloropropene	11.25	75	195274	18.41 ug/L	98
58) 1,1,2-Trichloroethane	11.48	83	100661	19.17 ug/L	96
59) 1,3-Dichloropropane	11.85	76	199704	17.49 ug/L	100
60) Tetrachloroethene	11.94	166	123631	15.94 ug/L	99
61) Dibromochloromethane	12.23	129	136473	17.48 ug/L	94
62) 1,2-Dibromoethane	12.52	107	139687	17.29 ug/L	98
64) Chlorobenzene	13.17	112	338355	17.58 ug/L	99
65) 1,1,1,2-Tetrachloroethane	13.24	131	120380	18.09 ug/L	99
66) Ethylbenzene	13.27	91	530821	17.63 ug/L	96
67) m,p-Xylene	13.39	106	441718	35.97 ug/L	99
68) o-Xylene	14.05	106	212464	17.92 ug/L	94
69) Styrene	14.11	104	378423	18.24 ug/L	98
70) Bromoform	14.59	173	77894	17.04 ug/L	100
71) Isopropylbenzene	14.61	105	552183	17.88 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.88	83	163662	17.92 ug/L	98
74) 1,2,3-Trichloropropane	15.10	75	115800	18.38 ug/L	95
75) trans-1,4-Dichloro-2-buten	15.22	89	43565	18.43 ug/L #	81
76) n-Propylbenzene	15.23	91	648086	17.83 ug/L	99
77) Bromobenzene	15.26	156	127641	18.37 ug/L	98
78) 1,3,5-Trimethylbenzene	15.49	105	453711	18.77 ug/L	98
79) 2-Chlorotoluene	15.49	91	413024	18.71 ug/L	99
80) 4-Chlorotoluene	15.57	91	385995	18.49 ug/L	100
81) tert-butylbenzene	16.03	119	387807	18.09 ug/L	99
82) 1,2,4-Trimethylbenzene	16.09	105	472786	18.26 ug/L	98

(#) = qualifier out of range (m) = manual integration 09-2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76197SP.D Vial: 10
Acq On : 13 Sep 2010 8:09 pm Operator: MT
Sample : 67722-2,MSD Inst : Instr_C
Misc : 50,9.85,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/14/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
83) Diisobutylketone	15.13	57	194102	10.59 ug/L #	46
84) sec-butylbenzene	16.37	105	629094	18.39 ug/L	99
85) p-isopropyltoluene	16.59	119	529216	19.33 ug/L	98
86) 1,3-Dichlorobenzene	16.71	146	224552	17.76 ug/L	99
88) 1,4-Dichlorobenzene	16.88	146	227157	17.28 ug/L	97
89) n-butylbenzene	17.24	91	684035	26.72 ug/L	66
90) 1,2-Dichlorobenzene	17.45	146	209182	17.72 ug/L	97
92) 1,2-Dibromo-3-chloropropan	18.69	75	26543	17.53 ug/L	93
94) 1,2,4-Trichlorobenzene	20.10	180	154633	17.17 ug/L	96
95) Hexachlorobutadiene	20.34	225	75682	16.93 ug/L	98
96) Naphthalene	20.48	128	436410	19.96 ug/L	99
97) 1,2,3-Trichlorobenzene	20.89	180	135658	16.98 ug/L	98

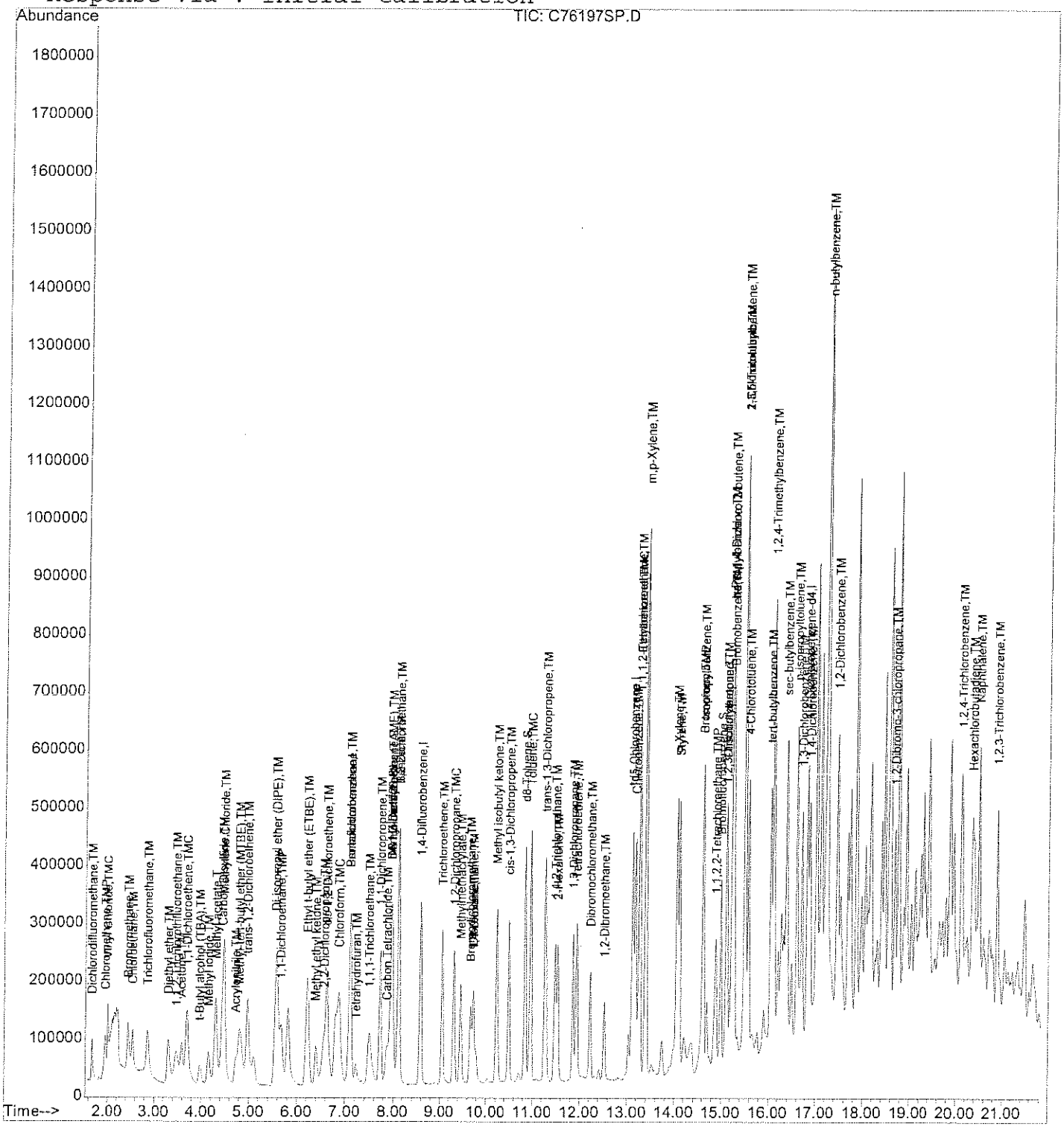
9-2010

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76197SP.D Vial: 10
Acq On : 13 Sep 2010 8:09 pm Operator: MT
Sample : 67722-2,MSD Inst : Instr_C
Misc : 50,9.85,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics MT 9/14/10
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration



9-2010

Analytics environmental laboratory LLC

IS only V8970 Exp: X 8-11-12

SS+IS V8931 Exp: X 8-11-12

Voltage: 2094

Threshold: 100

GC/MS Volatiles Instrument C: 081010-C

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-C-081010-1-VH							
4	V8081000	BFB 50 Ng	5mL	2mL	V8951	✓			
5		0.2 PPB		0.05mL	V8953 V8941	✓	C75996T	VH	NA
6		0.5 PPB		0.125mL		✓	9751		
7		1.0 PPB		0.25mL		✓	9851		
8		2.0 PPB		0.5mL		✓	9951		
10		5.0 PPB		1.25mL		✓	C76000081		
11		20.0 PPB		5mL		✓	0151		
12		50.0 PPB		12.5mL		✓	0251		
13		100.0 PPB		25mL		✓	0351		
14		Blank					0451		
15		20 PPB ICV		5mL	V8950 V8944	✓	0551		
16		20 PPB ICV		5mL		✓	0661		
							0781		

VH 08.11.12

analytics environmental laboratory LLC

IS only V9027 Exp: 9/27/10

SS+IS V9026 Exp: 9/27/10

091310 - C

Voltage: 2094

Threshold: 100

GC/MS Volatiles Instrument C:

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-C-091310-1- MT							
6	V8081OOC	BFB 50ng	5ml	2ml	V9014	✓	~~67677~~ 67678T	MT	MA
7		20ppb		5ml	V9020 V9013	RR Ketones ↓	~~62~~ 79		
8		20ppb				✓	~~63~~ 80		
10		LS091300C	50ml/5ml			✓	~~64~~ 81		
11		LS091300C2				✓	~~65~~ 82		
12		Bromoform	5ml	5ml	V9015	✓	~~66~~ 83		
13		MB091300C	50ml/5ml			✓	~~67~~ 84		
~~14~~ 13		67722-5				✓ TB	85		
~~15~~ 14		-1				✓ 10.57	86		
~~16~~ 15		-2				✓ 10.22	87		
~~17~~ 16		-3				✓ 9.84	88		
~~18~~ 1		-4				✓ 9.77	89		
2		BLK	5ml				90		
3							91		
4		~~67743-14~~	50ml/5ml			✓ Screen 10.34 ~~11.68~~	92		
5		~~67722-15~~ -16				Screen ~~10.09~~ 9.10	93		
6		~~-16~~ -14				~~9.18~~ 11.48	94		
7		~~-14~~ -15				10.09	95		
8		67722-2,MS				✓ Some Mang Ketones 9.88	96		
10		-2,MSD				✓ 9.85	97		
11		C7708-1,,500x	10ml			In hook waste	98		

MT 9/13/10

MT 9/13/10

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1 12/16/09

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG:
BFB File ID: C75996T.D
BFB Injection Date: 08/10/10
BFB Injection Time: 11:05

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
0.2 PPB	C75997SI.D	8/10/10 11:40
0.5 PPB	C75998SI.D	8/10/10 12:13
1.0 PPB	C75999SI.D	8/10/10 12:55
2.0 PPB	C76000SI.D	8/10/10 13:29
5.0 PPB	C76001SI.D	8/10/10 14:07
20.0 PPB	C76002SI.D	8/10/10 14:39
50.0 PPB	C76003SI.D	8/10/10 15:08
100.0 PPB	C76004SI.D	8/10/10 15:14
20 PPB ICV	C76006CC.D	8/10/10 16:35
20 PPB ICV2	C76007CC.D	8/10/10 17:08

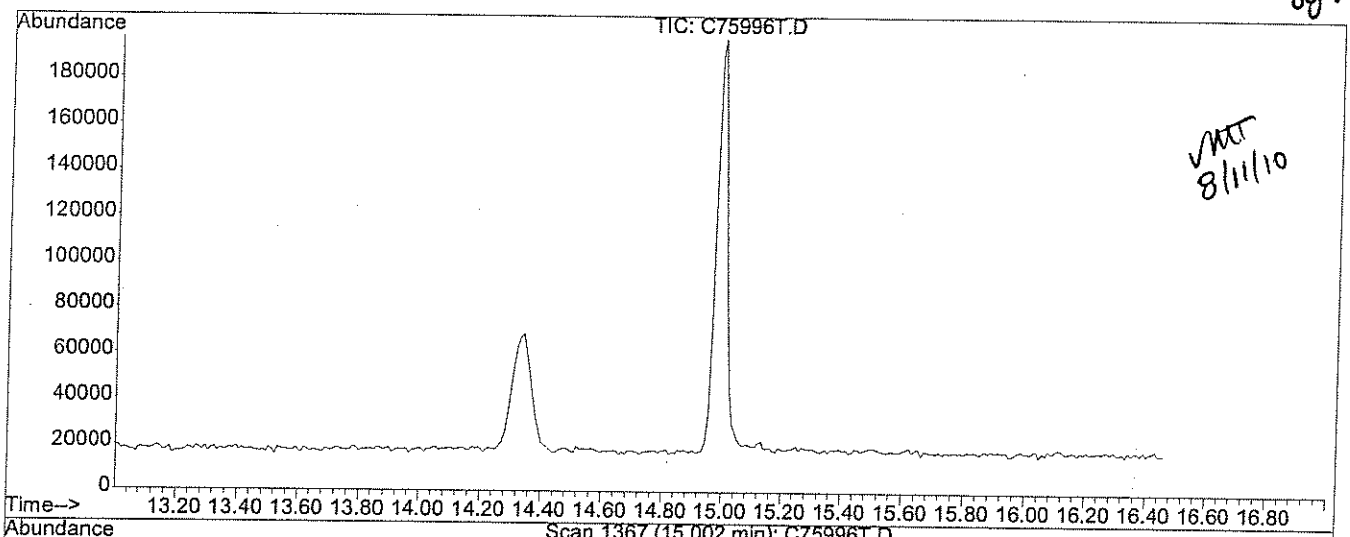
Refer to the BFB report C75996T.D for ion ratio evaluation.

VOA FORM 5

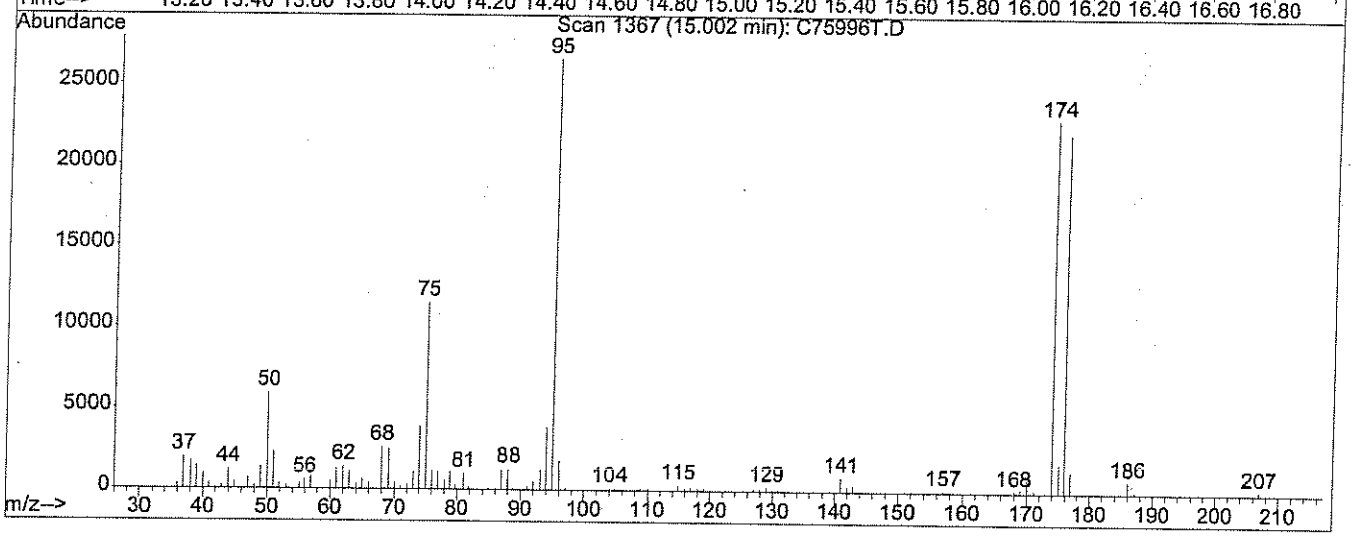
BFB

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75996T.D Vial: 4
Acq On : 10 Aug 2010 11:05 am Operator: JK
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator
Title : 8260 Purgable Organics

JL 08/10/10



VMT 8/11/10



Spectrum Information: Scan 1367

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	5911	PASS
75	95	30	60	43.3	11499	PASS
95	95	100	100	100.0	26584	PASS
96	95	5	9	6.8	1798	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.4	22960	PASS
175	174	5	9	7.9	1821	PASS
176	174	95	101	96.2	22096	PASS
177	176	5	9	5.9	1310	PASS

C75996T.D V808100C.M Tue Aug 10 11:07:26 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG: 67722
BFB File ID: C76178T.D
BFB Injection Date: 09/13/10
BFB Injection Time: 9:49

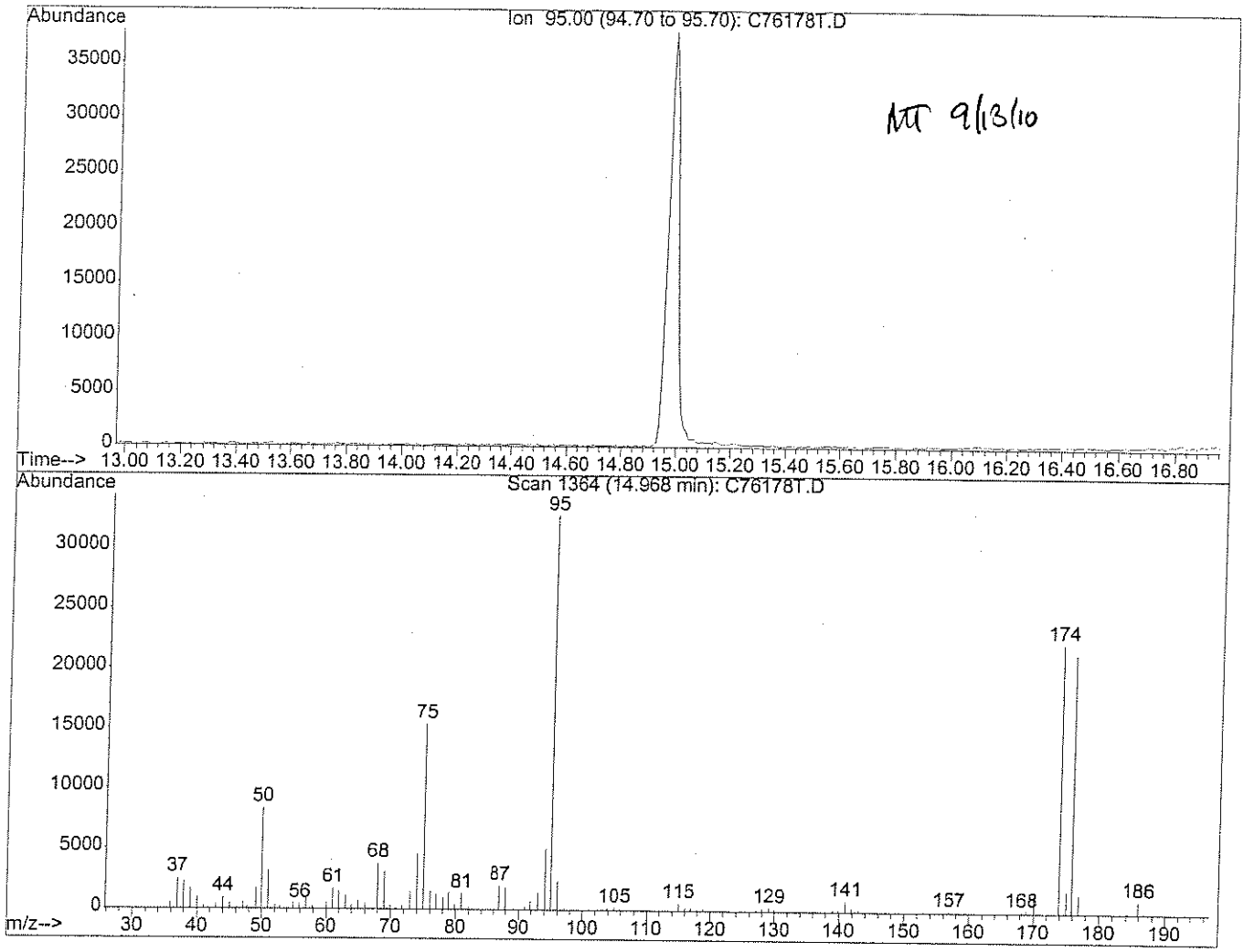
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
20 PPB	C76180SC.D	9/13/10 10:54
LS09130C	C76181Q.D	9/13/10 11:41
LS09130C2	C76182Q.D	9/13/10 12:20
MB09130C	C76184B.D	9/13/10 13:27
67722-5	C76185.D	9/13/10 13:51
67722-1	C76186.D	9/13/10 14:15
67722-2	C76187.D	9/13/10 14:55
67722-3	C76188.D	9/13/10 15:25
67722-4	C76189.D	9/13/10 15:58
67722-2,MS	C76196SP.D	9/13/10 19:36
67722-2,MSD	C76197SP.D	9/13/10 20:09

Refer to the BFB report C76178T.D for ion ratio evaluation.

VOA FORM 5

BFB

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76178T.D Vial: 6
Acq On : 13 Sep 2010 9:49 am Operator: MT
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator
Title : 8260 Purgable Organics



Spectrum Information: Scan 1364

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.5	8327	PASS
75	95	30	60	47.0	15383	PASS
95	95	100	100	100.0	32712	PASS
96	95	5	9	7.4	2408	PASS ✓
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.3	22352	PASS
175	174	5	9	8.3	1848	PASS
176	174	95	101	96.1	21480	PASS
177	176	5	9	7.1	1534	PASS

9-2010

C76178T.D V808100C.M Mon Sep 13 11:08:17 2010

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	TM	Dichlorodifluoromet	0.928	0.735	0.729	0.730	0.722	0.700	0.757	11.16
3)	TMP	Chloromethane	1.420	0.977	1.073	0.990	1.014		1.195	~~24.77~~ L 1.00
4)	TMC	Vinyl Chloride	0.952	0.752	0.756	0.722	0.732	0.681	0.766	12.41
5)	TM	Bromomethane	0.626	0.365	0.424	0.580	0.638	0.637	0.522	~~23.92~~ L 1.00
6)	TM	Chloroethane	0.624	0.575	0.585	0.553	0.579	0.561	0.579	4.27
7)	TM	t-Butyl alcohol (TB	0.090	0.073	0.072	0.062	0.071	0.065	0.072#	13.43
8)	TM	Trichlorofluorometh	1.247	1.042	1.129	1.166	1.156	1.124	1.175	8.75
9)	TM	Diethyl ether	0.318	0.309	0.277	0.356	0.331	0.328	0.315	8.53
10)	TM	1,1,2-Trichlorotrif	0.666	0.667	0.591	0.639	0.604	0.602	0.650	10.07
11)	T	Acrolein	0.071	0.052	0.032	0.042	0.043	0.042	0.047#	~~28.02~~ L 1.00
12)	TM	Acetone	0.369	0.311	0.267	0.269	0.258	0.251	0.315	~~26.71~~ L 1.0
13)	TMC	1,1-Dichloroethene	0.696	0.665	0.538	0.592	0.569	0.566	0.604	10.31
14)	TM	Methyl iodide	0.428	0.420	0.389	0.626	0.545		0.481	~~20.83~~ L 0.99
15)	TM	Di-isopropyl ether	3.354	2.840	2.528	2.879	2.759	2.818	2.967	12.50
16)	TM	Methylene Chloride	1.157	1.081	0.691	0.694	0.680	0.672	0.829	~~27.25~~ L 1.00
[illegible])	TM	Carbon Disulfide	2.164	2.129	1.859	2.117	1.984	2.011	2.044	5.62
18)	TM	Acrylonitrile	0.299	0.337	0.322	0.329	0.330	0.318	0.323	4.13
19)	TM	Methyl-tert-butyl e	1.140	1.170	1.443	1.527	1.545	1.493	1.398	12.12
20)	TM	trans-1,2-Dichloroe	1.220	1.085	0.892	1.015	0.978	0.965	1.029	10.17
21)	TMP	1,1-Dichloroethane	1.675	1.298	1.132	1.236	1.194	1.177	1.344	~~17.78~~ L 1.00
22)	TM	Vinyl acetate	1.297	0.991	1.038	1.314	1.399	1.394	1.252	13.33
23)	TM	Methyl ethyl ketone	0.079	0.063	0.065	0.071	0.069	0.066	0.072#	12.46
24)	TM	Ethyl t-butyl ether	2.426	2.109	1.861	2.152	2.081	2.105	2.176	10.04
25)	TM	2,2-Dichloropropane	0.922	0.657	0.695	0.749	0.765	0.773	0.775	11.88
26)	TM	cis-1,2-Dichloroeth	0.867	0.780	0.639	0.747	0.701	0.691	0.737	10.82
27)	TM	t-Amyl methyl ether	1.938	1.816	1.523	1.710	1.652	1.674	1.789	12.65
28)	S	DB Holder #28	0.779	0.742	0.764	0.795	0.763	0.725	0.760	2.84
29)	TMC	Chloroform	1.409	1.213	1.043	1.185	1.120	1.113	1.211	11.69
30)	TM	Bromochloromethane	0.589	0.377	0.325	0.331	0.313	0.309	0.396	~~29.04~~ L 1.00
31)	TM	Tetrahydrofuran	0.123	0.136	0.115	0.085	0.082	0.078	0.103	~~23.91~~ L 0.99
32)	TM	1,1,1-Trichloroetha	1.085	0.903	0.843	0.968	0.922	0.898	0.945	8.37
33)	T	Ethanol	0.016	0.012	0.012	0.013	0.012	0.012	0.013#	12.33
34)	TM	1,1-Dichloropropene	1.154	1.000	0.820	0.928	0.902	0.878	0.947	12.42
35)	TM	Carbon Tetrachlorid	0.549	0.545	0.485	0.603	0.618	0.620	0.563	9.16
36)	S	d4-1,2-Dichloroetha	0.780	0.746	0.764	0.795	0.763	0.725	0.760	2.83
37)	TM	1,2-Dichloroethane	1.005	0.871	0.892	0.925	0.885	0.859	0.906	5.87
38)	TM	Benzene	2.793	2.402	2.144	2.379	2.276	2.309	2.460	11.57
39)	I	1,4-Difluorobenzene	----------ISTD----------							
40)	TM	Trichloroethene	0.566	0.424	0.357	0.385	0.346	0.340	0.432	~~25.45~~ L 0.99
[illegible])	TMC	1,2-Dichloropropane	0.417	0.351	0.317	0.345	0.340	0.324	0.349	10.21
[illegible])	TM	Methylmethacrylate	0.272	0.295	0.240	0.243	0.235	0.230	0.252	10.13

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

JL 08/11/1

		Compound	1	2	5	20	50	100	Avg	%RSD
43)	T	Methyl acetate	0.794	0.560	0.412	0.488	0.462	0.445	0.527	~~26.59~~ L 0.96
44)	T	Cyclohexane	0.651	0.617	0.537	0.578	0.533	0.514	0.572	9.35
45)	TM	Bromodichloromethan	0.449	0.422	0.360	0.419	0.401	0.389	0.407	7.50
46)	TM	Dibromomethane	0.366	0.303	0.246	0.252	0.229	0.206	0.267	~~21.78~~ L 0.96
47)	TM	1,4-Dioxane	0.005	0.005	0.004	0.004	0.004	0.004	0.004#	5.02
48)	T	Methylcyclohexane	0.587	0.535	0.471	0.517	0.489	0.496	0.516	8.01
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl	0.222	0.193	0.175	0.187	0.210	0.168	0.198	11.31
51)	TM	2-Hexanone	0.157	0.139	0.130	0.143	0.138	0.133	0.145	10.31
52)	TM	Methyl isobutyl ket	0.174	0.147	0.137	0.151	0.142	0.138	0.148	9.40
53)	TM	cis-1,3-Dichloropro	0.603	0.562	0.474	0.555	0.532	0.498	0.537	8.61
54)	S	d8-Toluene	1.092	1.104	1.098	1.111	1.101	1.087	1.103	0.96
55)	TMC	Toluene	0.887	0.822	0.684	0.778	0.737	0.727	0.773	9.48 ✓
56)	TM	trans-1,3-Dichlorop	0.568	0.510	0.440	0.517	0.498	0.499	0.505	8.12
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.269	0.261	0.221	0.261	0.247	0.242	0.250	7.00
59)	TM	1,3-Dichloropropane	0.662	0.563	0.457	0.529	0.497	0.492	0.544	13.18
[illegible])	TM	Tetrachloroethene	0.384	0.371	0.386	0.352	0.332	0.332	0.369	9.27
61)	TM	Dibromochloromethan	0.357	0.355	0.301	0.366	0.361	0.353	0.372	12.91
62)	TM	1,2-Dibromoethane	0.384	0.364	0.318	0.377	0.364	0.352	0.385	13.15
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	1.140	1.044	0.907	1.002	0.947	0.966	1.040 ✓	12.30
65)	TM	1,1,1,2-Tetrachloro	0.394	0.347	0.323	0.354	0.337	0.344	0.360	9.50
66)	TMC	Ethylbenzene	1.790	1.638	1.435	1.568	1.480	1.489	1.627	12.30 ✓
67)	TM	m,p-Xylene	0.730	0.662	0.577	0.641	0.602	0.602	0.664	13.48
68)	TM	o-Xylene	0.702	0.659	0.573	0.636	0.583	0.584	0.641	10.36
69)	TM	Styrene	1.202	1.082	0.999	1.096	1.042	1.039	1.121	11.98
70)	TMP	Bromoform	0.170	0.192	0.188	0.246	0.250	0.257	0.212 ✓	~~17.56~~ L 1.000
71)	TM	Isopropylbenzene	1.764	1.726	1.487	1.630	1.528	1.521	1.669	11.39
72)	TMP	1,1,2,2-Tetrachloro	0.525	0.500	0.431	0.482	0.455	0.435	0.494 ✓	13.76
73)	S	Bromofluorobenzene	0.471	0.478	0.477	0.477	0.463	0.459	0.471	1.59
74)	TM	1,2,3-Trichloroprop	0.481	0.382	0.332	0.360	0.338	0.326	0.370	~~15.71~~ L 0.99
75)	TM	trans-1,4-Dichloro-	0.140	0.133	0.109	0.134	0.126	0.124	0.128	8.43
76)	TM	n-Propylbenzene	2.153	2.020	1.731	1.905	1.782	1.750	1.963	12.59
77)	TM	Bromobenzene	0.416	0.364	0.342	0.371	0.351	0.348	0.375	9.76
78)	TM	1,3,5-Trimethylbenz	1.505	1.385	1.204	1.306	1.221	1.213	1.306	9.21
79)	TM	2-Chlorotoluene	1.336	1.229	1.111	1.210	1.146	1.127	1.193	7.04
80)	TM	4-Chlorotoluene	1.288	1.131	0.994	1.120	1.038	1.038	1.128	10.52
81)	TM	tert-butylbenzene	1.302	1.198	1.016	1.145	1.043	1.020	1.158	12.52
82)	TM	1,2,4-Trimethylbenz	1.604	1.417	1.252	1.375	1.265	1.250	1.399	11.63
83)	T	Diisobutylketone	1.098	1.027	0.883	0.962	0.908	0.863	0.990	12.24
[illegible])	TM	sec-butylbenzene	2.024	1.892	1.655	1.808	1.684	1.652	1.848	11.63
[illegible])	TM	p-isopropyltoluene	1.663	1.477	1.281	1.444	1.341	1.319	1.479	13.56

VMT 8/11/10

(#) = Out of Range ### Number of calibration levels exceeded format ###
V808100C.M Tue Aug 10 16:11:54 2010 Page 2

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

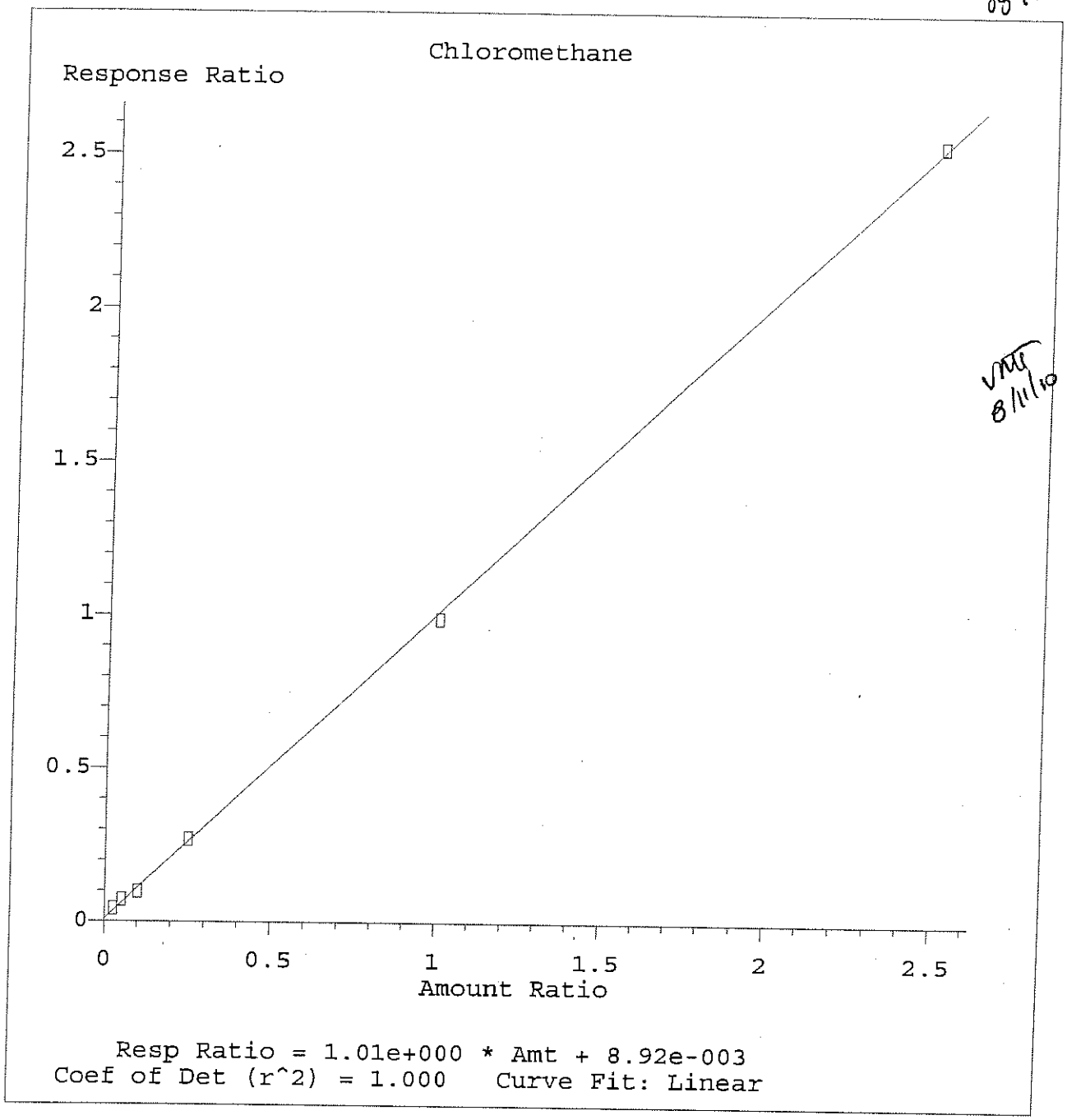
09/11/10

		Compound	1	2	5	20	50	100	Avg	%RSD
86)	TM	1,3-Dichlorobenzene	0.754	0.731	0.599	0.660	0.627	0.611	0.683	11.50
87)	I	1,4-Dichlorobenzene-d	----------	----------	----------	ISTD	----------	----------		
88)	TM	1,4-Dichlorobenzene	1.742	1.632	1.405	1.578	1.461	1.489	1.607	11.63
89)	TM	n-butylbenzene	3.415	3.118	2.755	3.100	2.864	2.925	3.130	10.95
90)	TM	1,2-Dichlorobenzene	1.596	1.500	1.275	1.447	1.331	1.334	1.444	9.44
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.305	0.237	0.198	0.186	0.182	0.177	0.214	~~22.99~~ L/10
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	1.187	1.128	1.000	1.130	1.008	0.971	1.102	10.41
95)	TM	Hexachlorobutadiene	0.626	0.574	0.469	0.547	0.489	0.489	0.547	12.35
96)	TM	Naphthalene	2.965	2.783	2.498	2.806	2.606	2.388	2.674	8.04
97)	TM	1,2,3-Trichlorobenz	1.120	0.980	0.874	1.005	0.921	0.842	0.977	10.84
98)	TM	1,3,5-Trichlorobenz	1.182	1.259	1.035	1.183	1.053	1.055	1.168	11.65

VMT 8/11/10

(#) = Out of Range ### Number of calibration levels exceeded format ###
V808100C.M Tue Aug 10 16:11:54 2010 Page 3

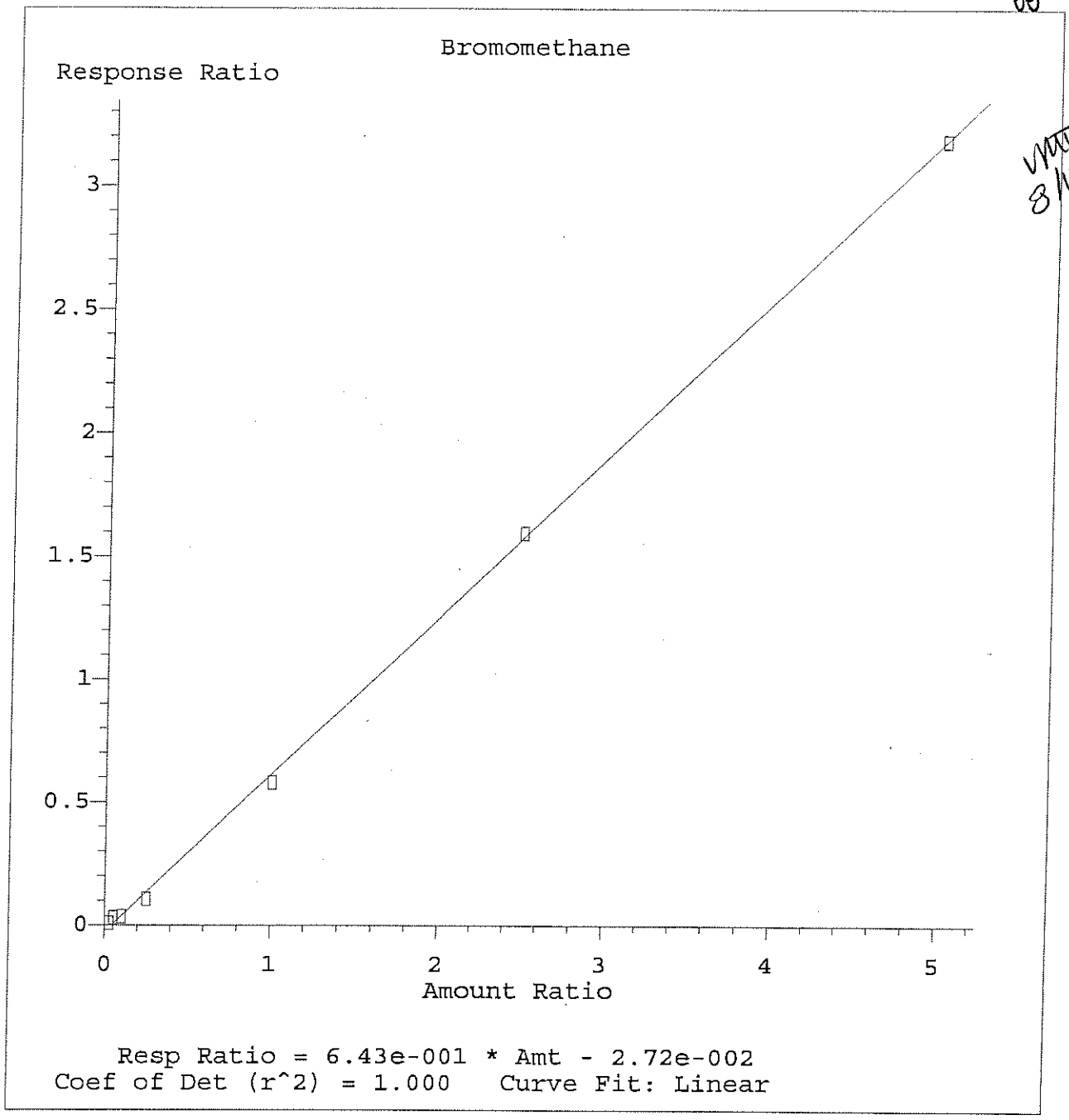
CL
08-11-10



VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:07 2010

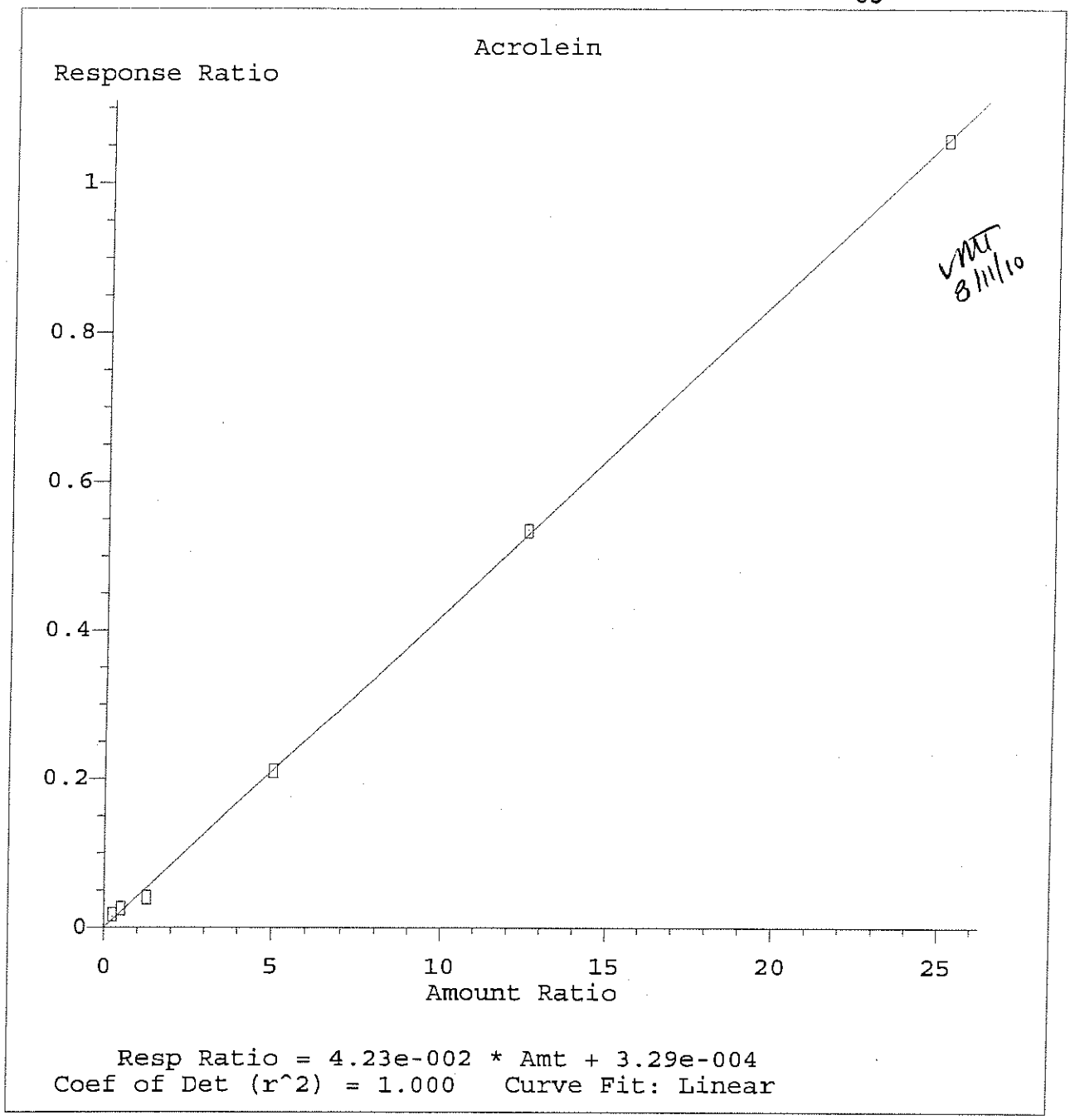
JL 08.11.10



VMT 8/11/10

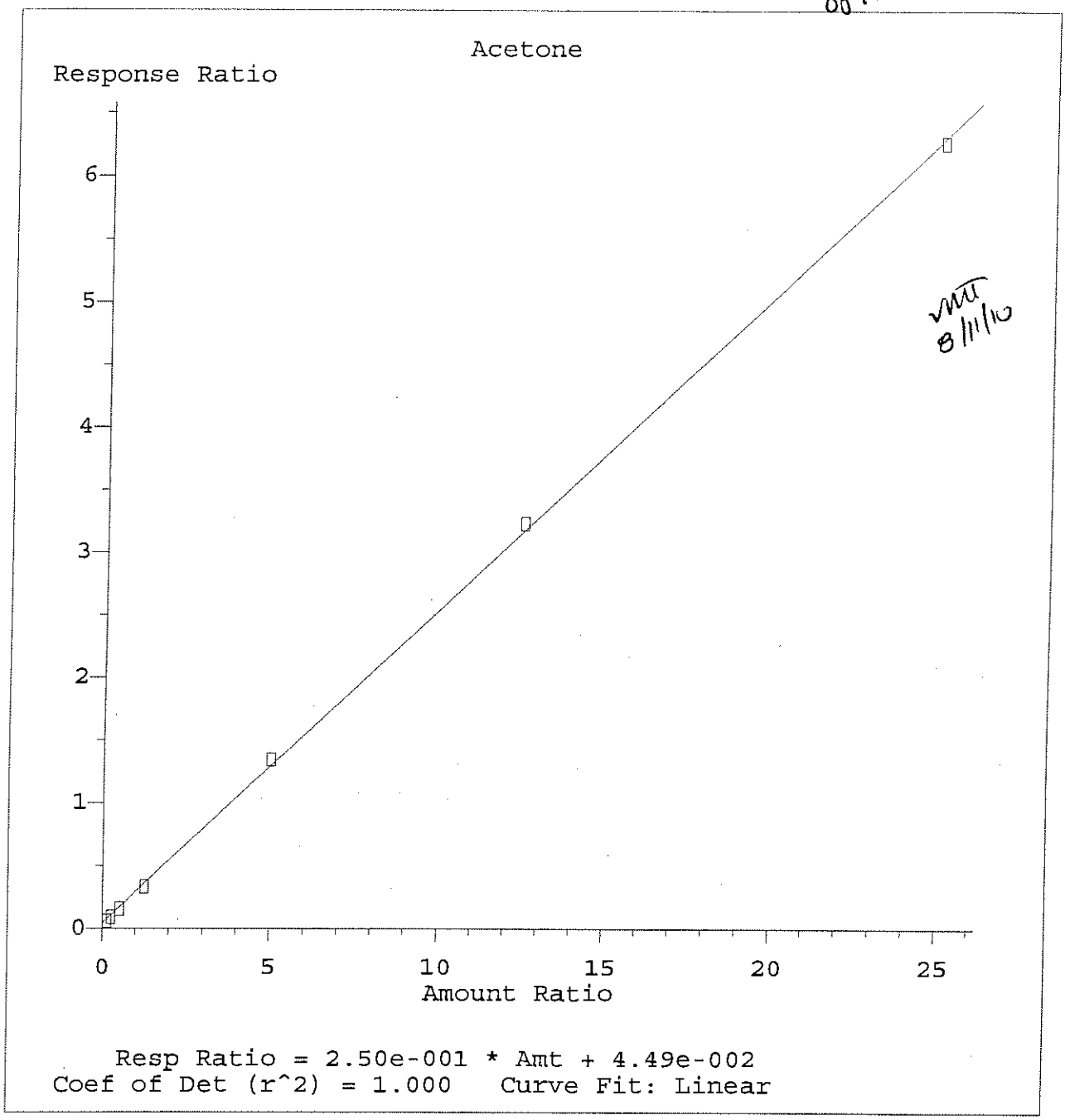
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:59 2010

JL 08-11-10



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:01 2010

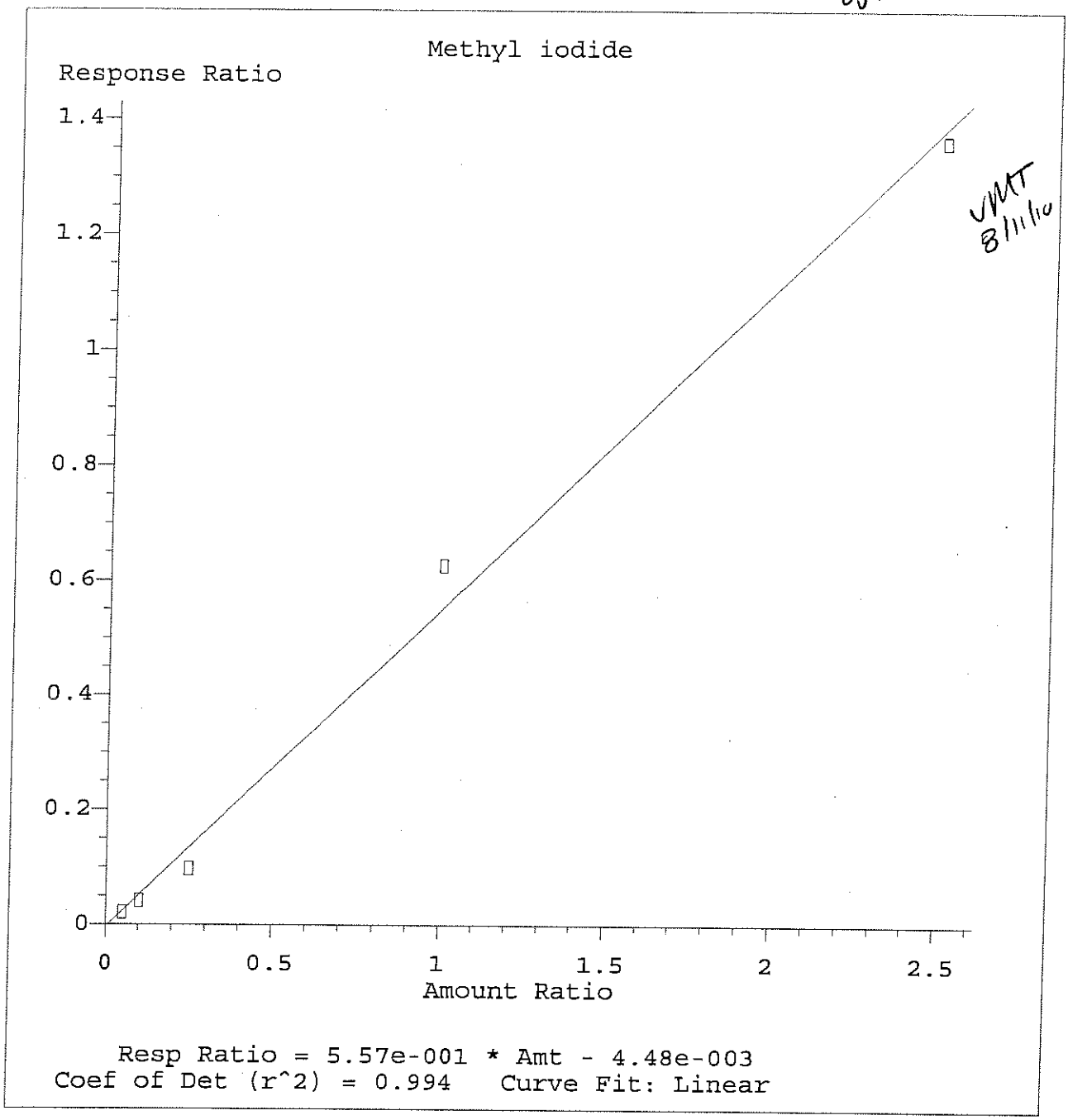
08.11.10



VMT 8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:19 2010

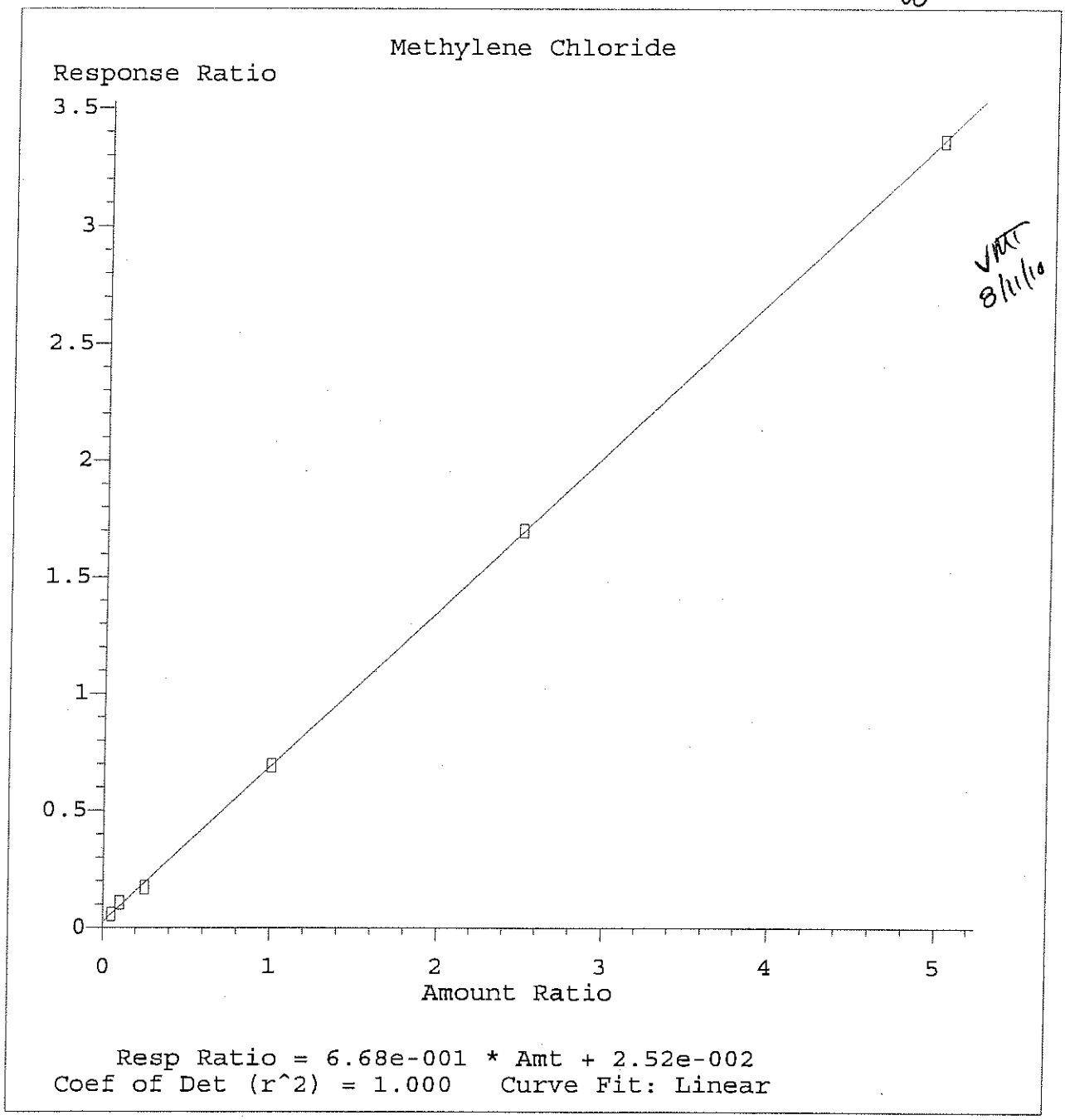
JL 08/11/10



VMT 8/11/10

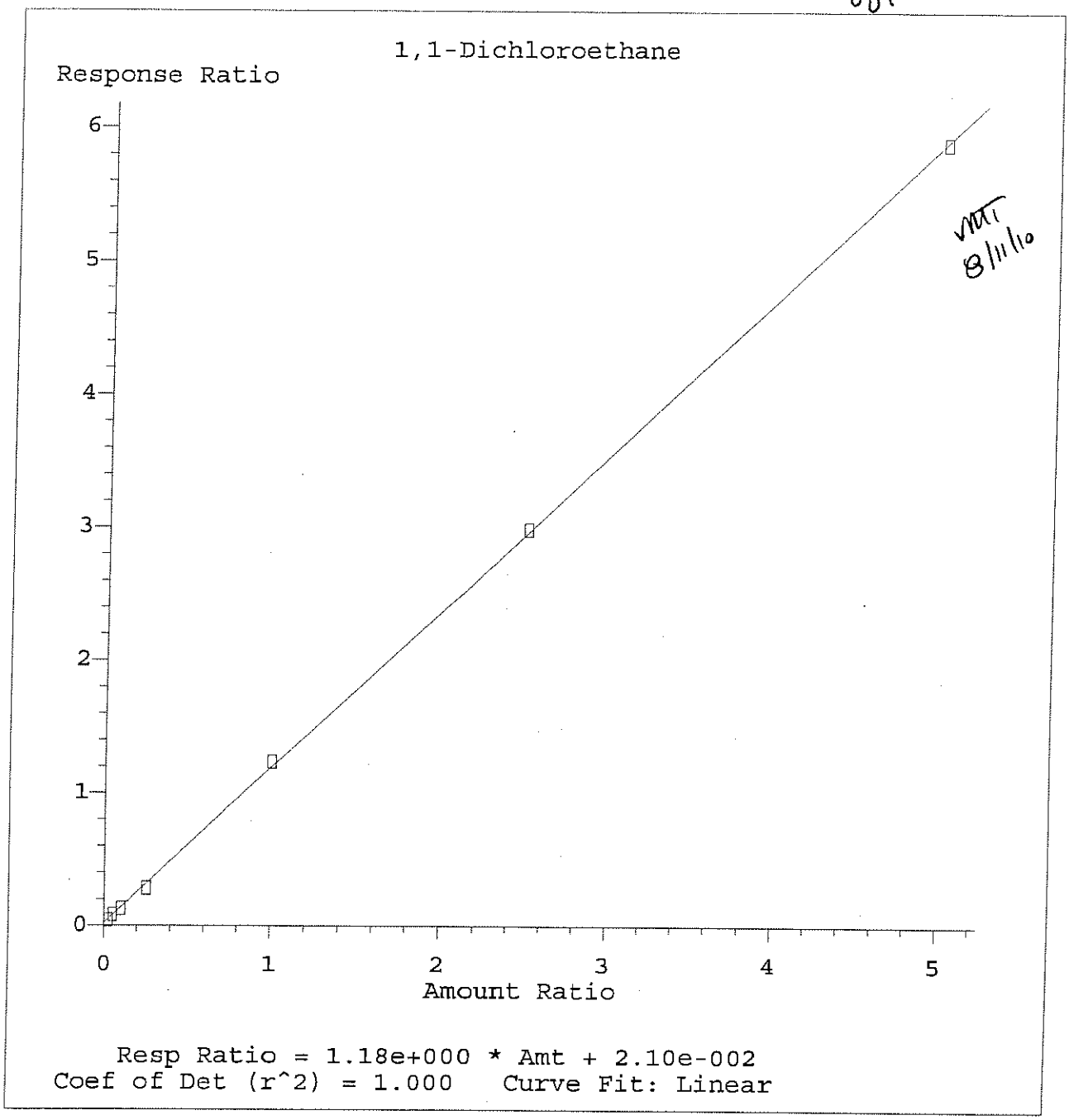
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:42:36 2010

JL 08-11-10



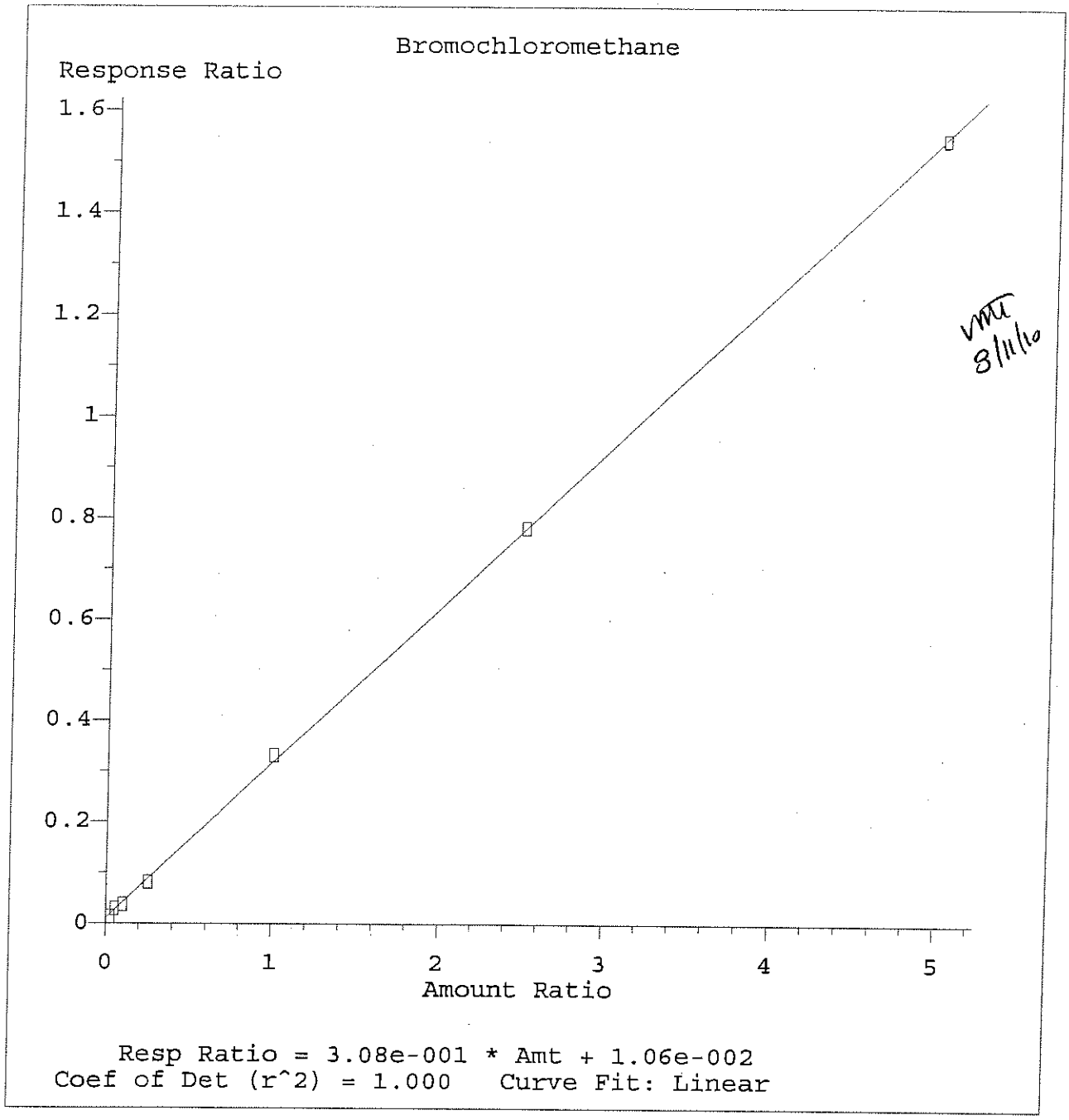
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:00:45 2010

JL
08/11/10



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:02:07 2010

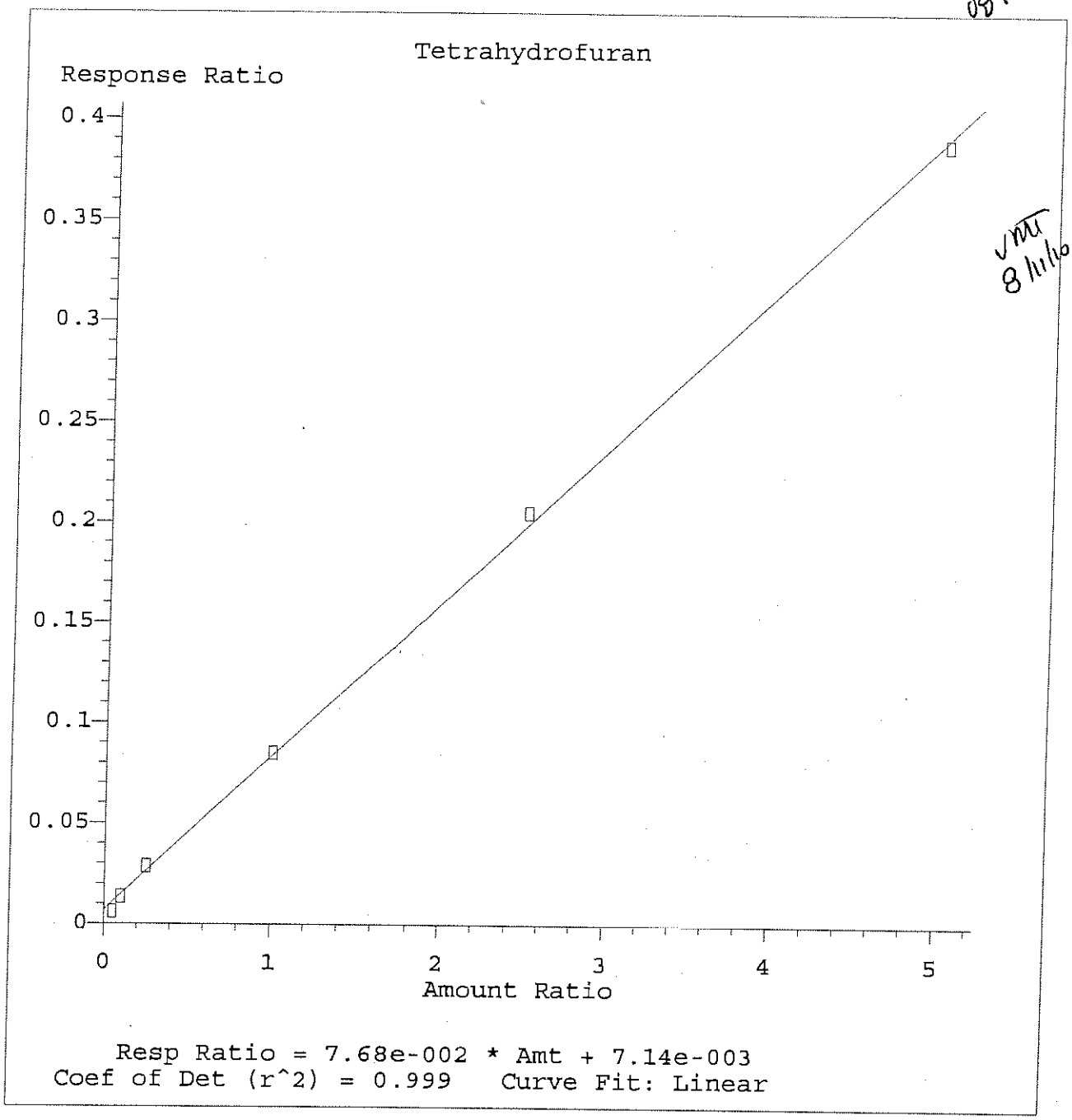
JL
08.11.10



VMU
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:11:44 2010

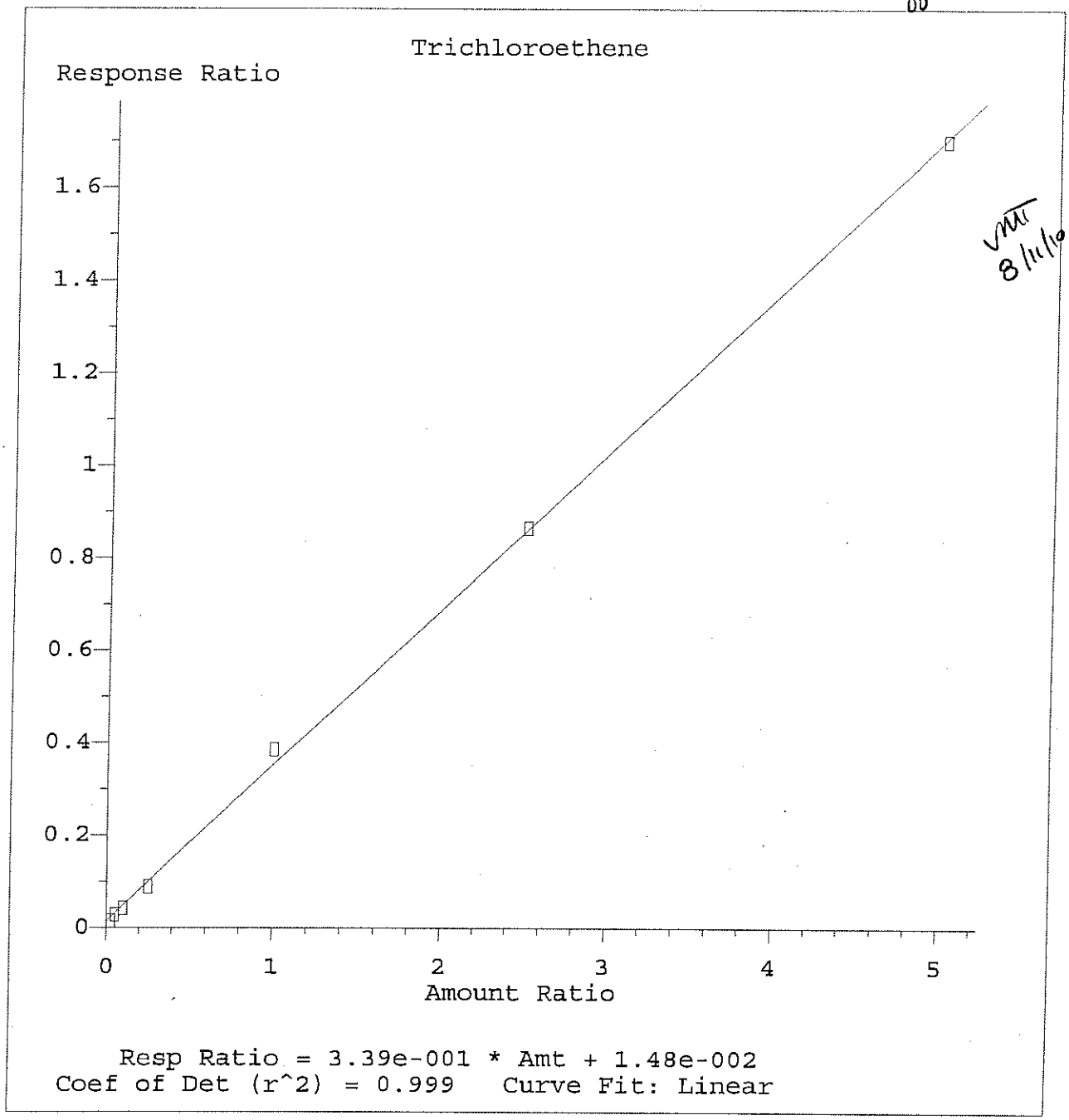
JL 08/11/10



VMT 8/11/10

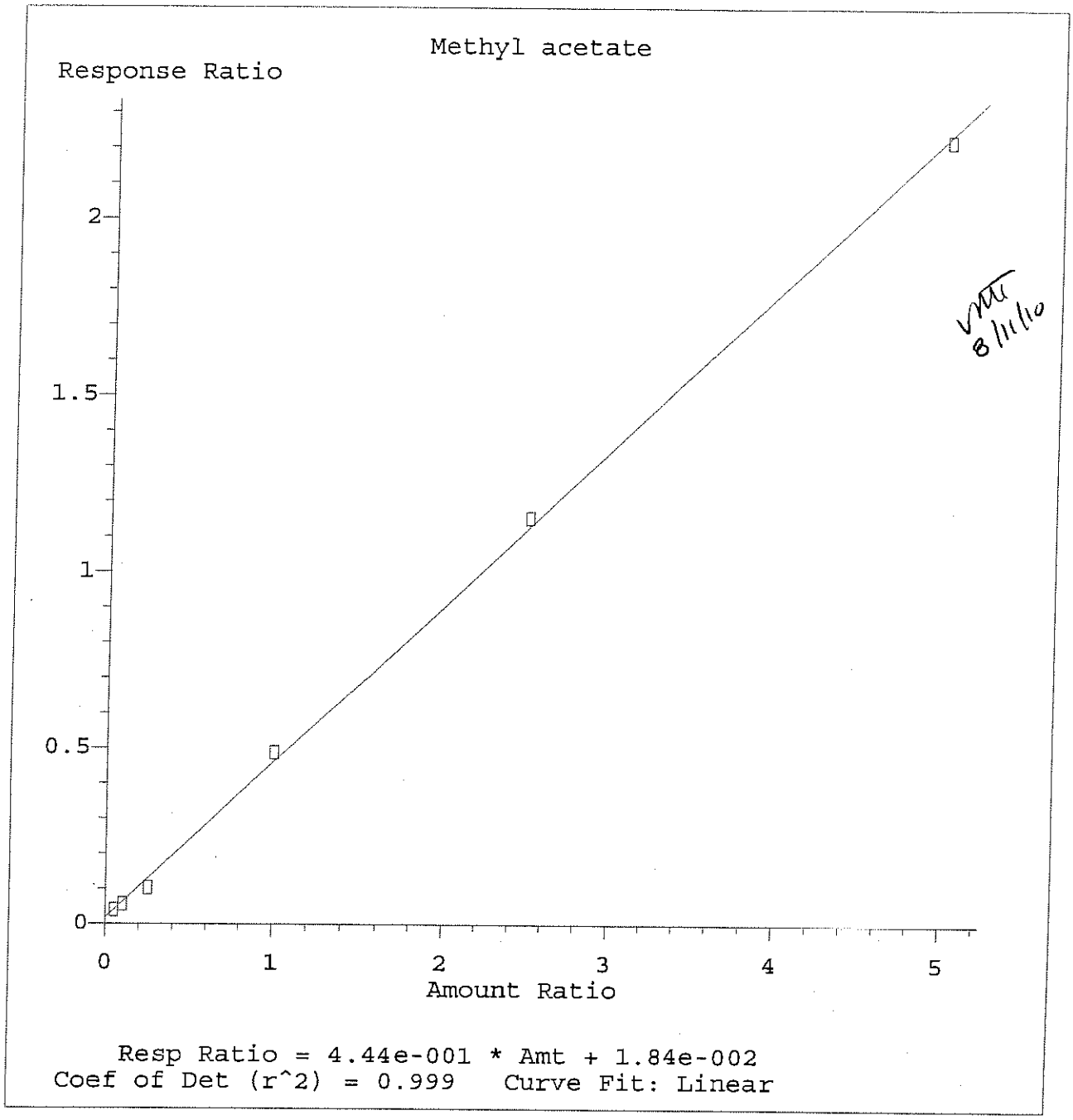
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:03:57 2010

JL
08-11-10

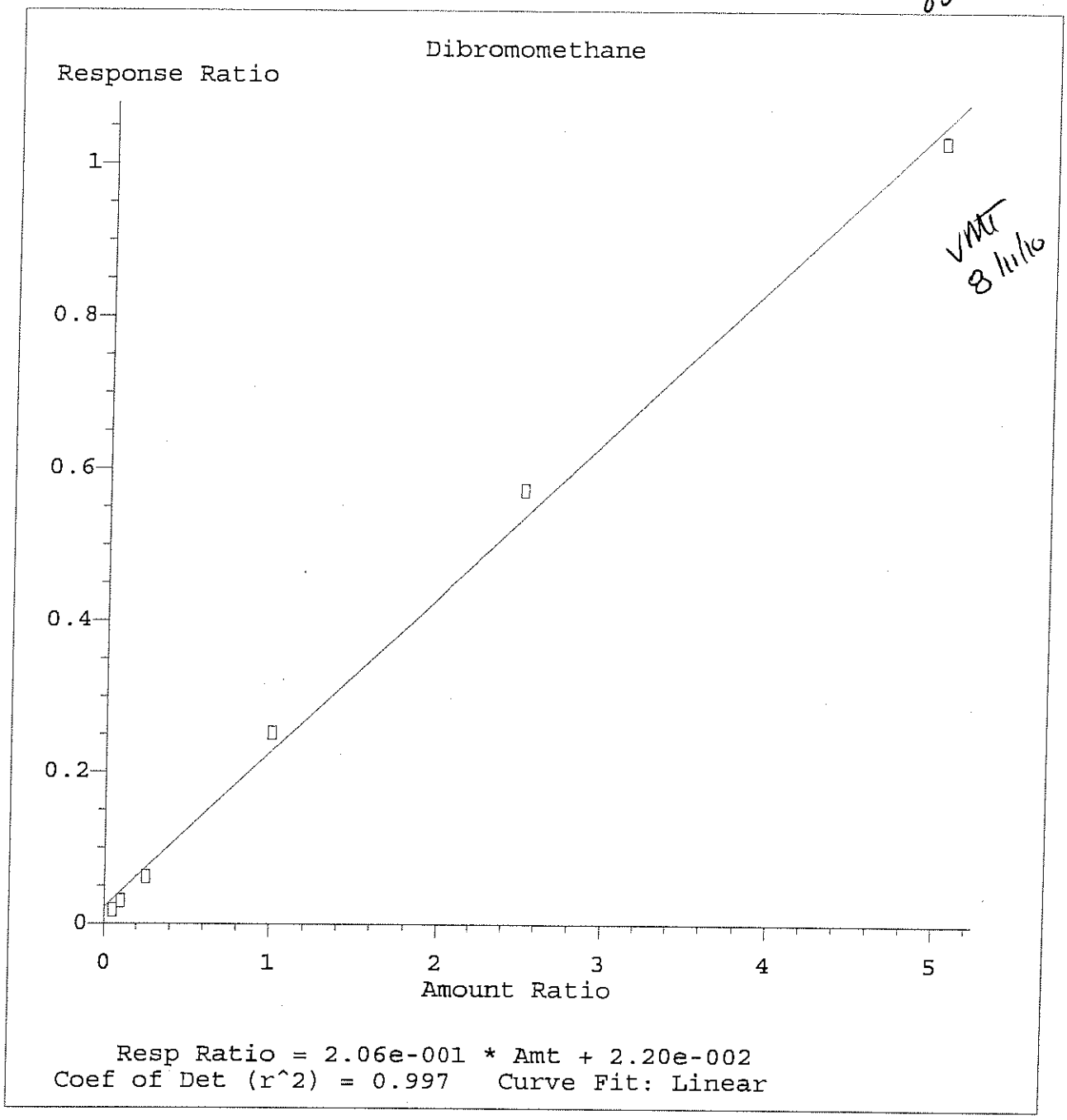


VMT
8/11/10

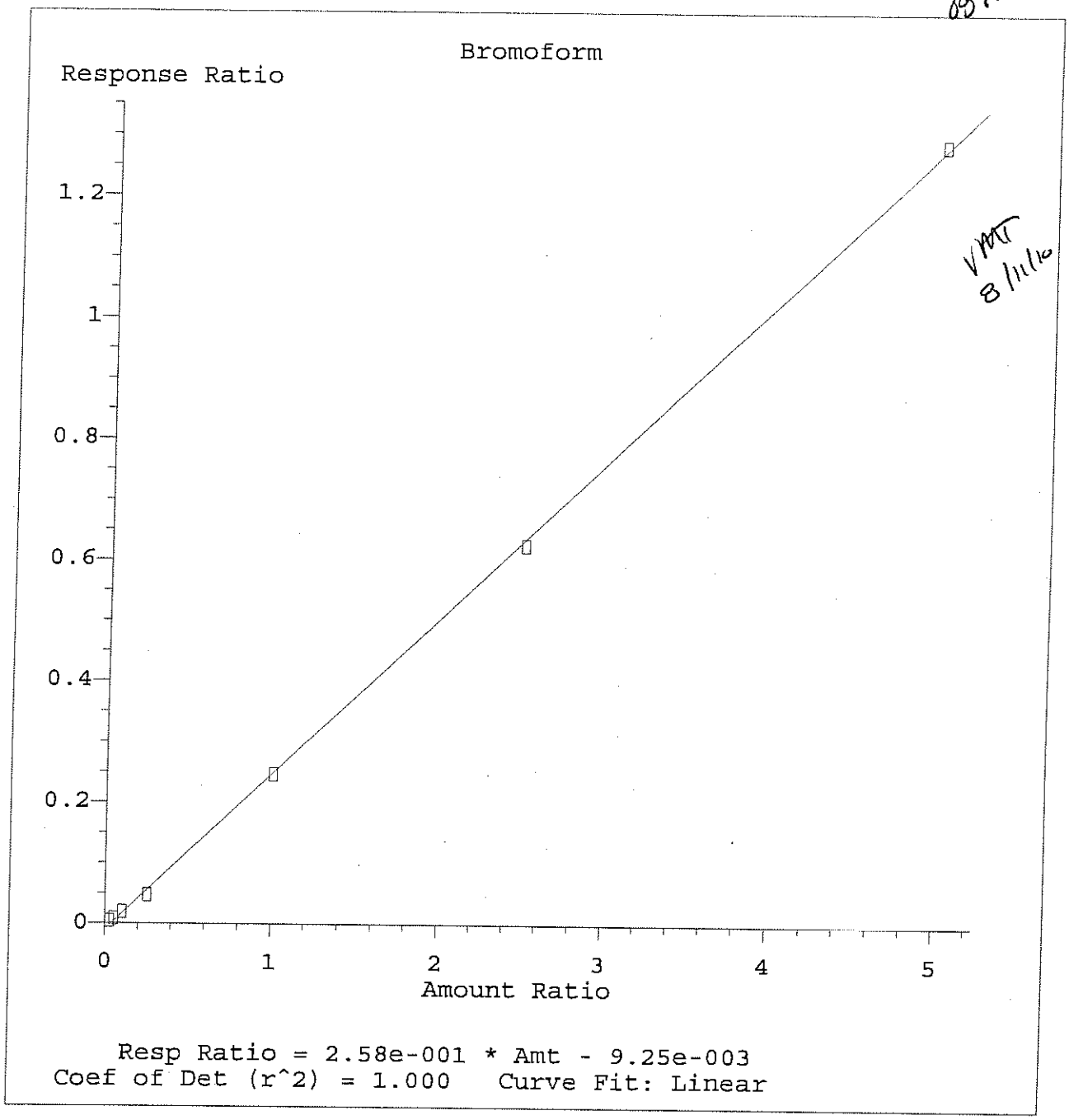
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:02 2010



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:39 2010

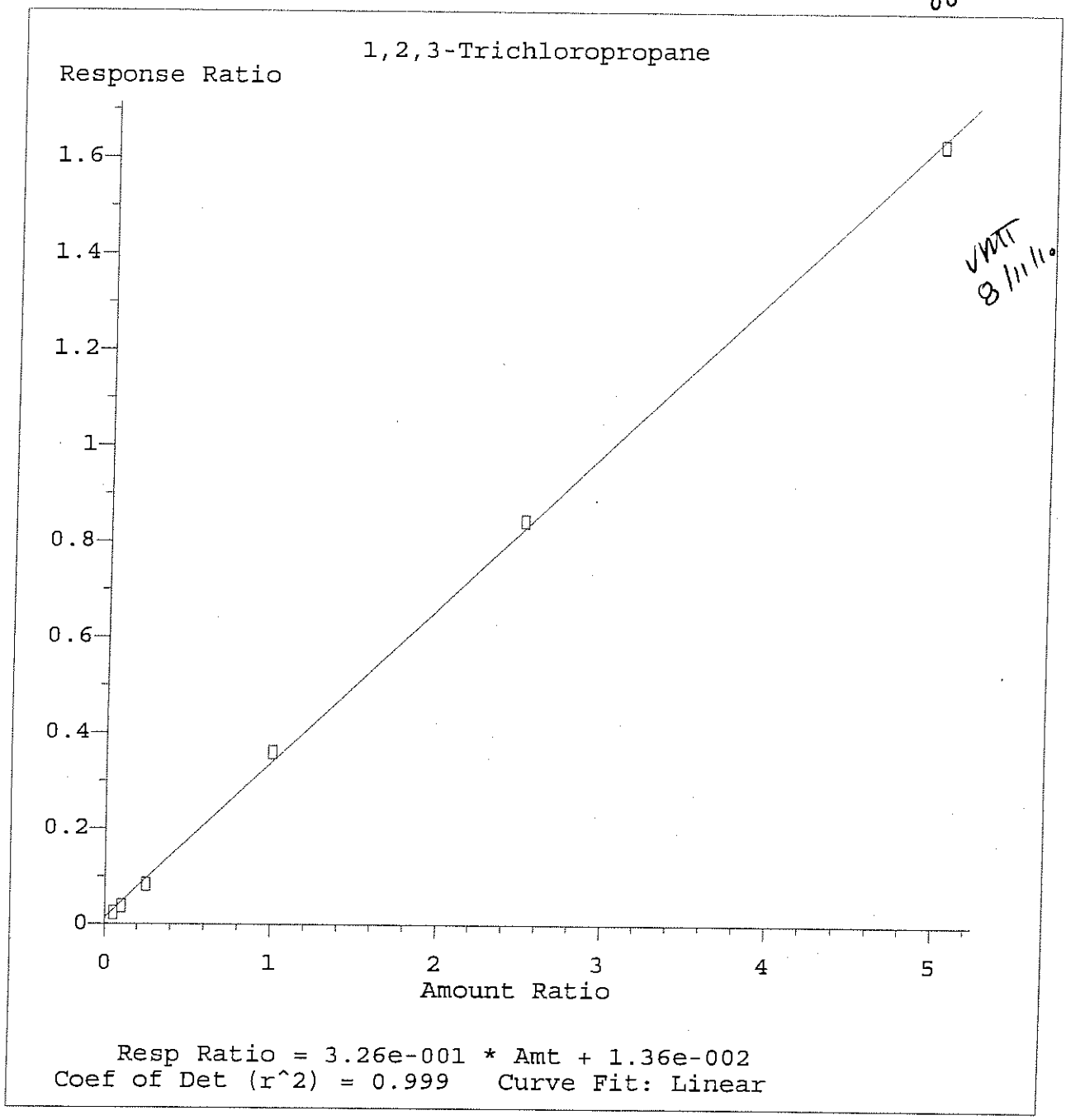


Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:06:08 2010



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:08:39 2010

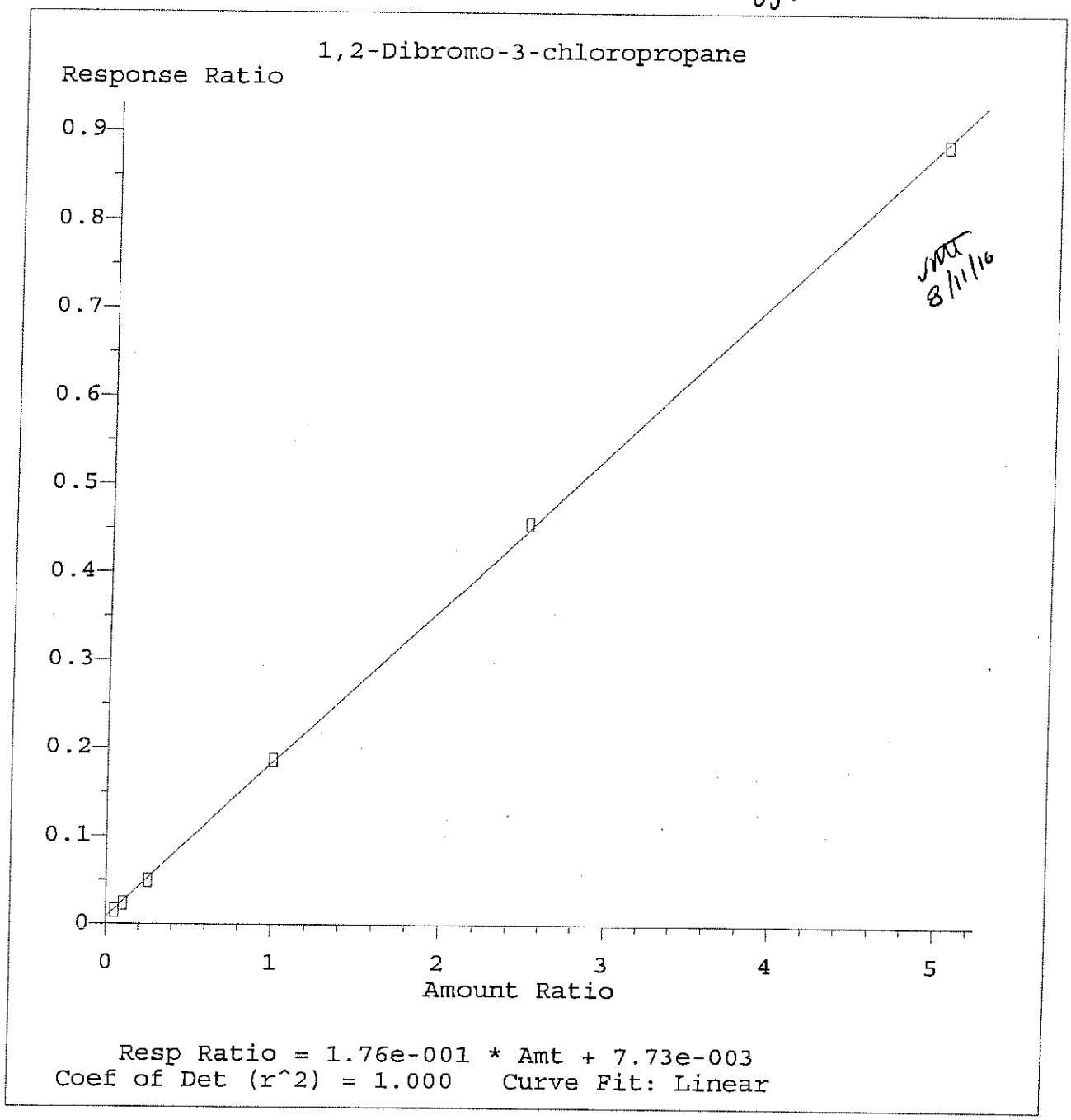
JR 08.11.10



VMT 8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:09:06 2010

OK
08/11/10



VMT
8/11/16

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:10:49 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08-11-10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	195858	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	379188	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.11	117	335209	20.00 ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	150145	20.00 ug/L	0.00

System Monitoring Compounds

28) DB Holder #28	7.98	65	148991	21.05 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.25%		
36) d4-1,2-Dichloroethane	7.98	65	148991	21.04 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 105.20%		
54) d8-Toluene	10.85	98	420277	17.83 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 89.15%		
73) Bromofluorobenzene	14.99	95	159630	16.02 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.10%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.68	85	3445	Below Cal	99
3) Chloromethane	1.98	50	4811	0.48 ug/L	79
4) Vinyl Chloride	2.02	62	4323	0.66 ug/L	99
5) Bromomethane	2.51	94	1833	0.30 ug/L #	51
6) Chloroethane	2.59	64	3002	0.04 ug/L #	64
7) t-Butyl alcohol (TBA)	3.94	59	1288m	2.55 ug/L	
8) Trichlorofluoromethane	2.91	101	4617m	0.37 ug/L	
9) Diethyl ether	3.35	74	3305m	0.93 ug/L	
10) 1,1,2-Trichlorotrifluoroet	3.56	101	624	0.09 ug/L #	57
11) Acrolein	3.46	56	900	Below Cal #	1
12) Acetone	3.59	43	6777	Below Cal #	62
13) 1,1-Dichloroethene	3.75	96	2185	0.34 ug/L #	14
14) Methyl iodide	4.19	142	547	0.08 ug/L #	43
15) Di-isopropyl ether (DIPE)	5.60	45	8346	0.36 ug/L #	86
16) Methylene Chloride	4.50	84	13953	0.93 ug/L #	83
17) Carbon Disulfide	4.48	76	5851	0.25 ug/L	99
18) Acrylonitrile	4.73	53	1321	0.49 ug/L #	51
19) Methyl-tert-butyl ether (M	4.84	73	5719	0.34 ug/L #	74
20) trans-1,2-Dichloroethene	4.99	61	3501m	0.37 ug/L	
21) 1,1-Dichloroethane	5.72	63	4930m	0.42 ug/L	
22) Vinyl acetate	5.74	43	2894	0.25 ug/L #	74
23) Methyl ethyl ketone	6.42	72	995	Below Cal #	69
24) Ethyl t-butyl ether (ETBE)	6.25	59	6119	0.30 ug/L #	88
25) 2,2-Dichloropropane	6.65	77	523	0.06 ug/L	84
26) cis-1,2-Dichloroethene	6.63	96	2545	0.33 ug/L #	79
27) t-Amyl methyl ether (TAME)	7.98	73	6437	0.34 ug/L #	71

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	4401	0.31 ug/L	82
30)	Bromochloromethane	7.13	128	1064	Below Cal #	12
31)	Tetrahydrofuran	7.26	71	320	Below Cal #	53
32)	1,1,1-Trichloroethane	7.52	97	2812	0.24 ug/L	84
33)	Ethanol	2.70	45	2321	Below Cal #	18
34)	1,1-Dichloropropene	7.74	75	3536	0.35 ug/L	83
35)	Carbon Tetrachloride	7.89	119	1023m	0.16 ug/L	
37)	1,2-Dichloroethane	8.11	62	4642	0.50 ug/L	76
38)	Benzene	8.12	78	7723	0.30 ug/L	99
40)	Trichloroethene	9.07	95	2380	0.24 ug/L #	60
41)	1,2-Dichloropropane	9.32	63	2676	0.36 ug/L	81
42)	Methylmethacrylate	9.46	69	2123	0.39 ug/L #	69
43)	Methyl acetate	4.31	43	640	0.07 ug/L #	12
44)	Cyclohexane	7.53	56	1678	0.15 ug/L	96
45)	Bromodichloromethane	9.66	83	2764	0.24 ug/L	94
46)	Dibromomethane	9.74	93	2213	0.34 ug/L	91
47)	1,4-Dioxane	9.74	88	431	Below Cal #	1
48)	Methylcyclohexane	9.15	83	3457	0.25 ug/L	89
50)	2-Chloroethylvinyl ether	10.17	63	742	0.18 ug/L #	66
51)	2-Hexanone	11.56	58	3816	1.36 ug/L	76
52)	Methyl isobutyl ketone	10.23	58	4189	1.41 ug/L #	79
53)	cis-1,3-Dichloropropene	10.50	75	3397	0.26 ug/L	86
55)	Toluene	10.96	92	5093	0.26 ug/L #	73
56)	trans-1,3-Dichloropropene	11.26	75	3206	0.25 ug/L	79
58)	1,1,2-Trichloroethane	11.48	83	1596	0.25 ug/L #	86
59)	1,3-Dichloropropane	11.86	76	2910	0.23 ug/L	94
60)	Tetrachloroethene	11.94	166	1900	0.24 ug/L #	68
61)	Dibromochloromethane	12.25	129	1740	0.18 ug/L	97
62)	1,2-Dibromoethane	12.53	107	1788	0.22 ug/L #	74
64)	Chlorobenzene	13.17	112	5158	0.29 ug/L #	80
65)	1,1,1,2-Tetrachloroethane	13.25	131	2308	0.29 ug/L	83
66)	Ethylbenzene	13.27	91	8132	0.22 ug/L	81
67)	m,p-Xylene	13.40	106	6230	0.54 ug/L #	54
68)	o-Xylene	14.06	106	3144	0.28 ug/L #	73
69)	Styrene	14.12	104	5359	0.27 ug/L	77
70)	Bromoform	14.60	173	738	0.15 ug/L	98
71)	Isopropylbenzene	14.61	105	8203	0.27 ug/L	90
72)	1,1,2,2-Tetrachloroethane	14.88	83	2955	0.28 ug/L #	89
75)	trans-1,4-Dichloro-2-buten	15.22	89	641	0.21 ug/L #	1
76)	n-Propylbenzene	15.24	91	9352	0.21 ug/L	100
77)	Bromobenzene	15.27	156	1859	0.24 ug/L #	58

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.10 VMT 8/11/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78) 1,3,5-Trimethylbenzene	15.50	105	7027	0.28 ug/L	95
79) 2-Chlorotoluene	15.50	91	6727	0.24 ug/L	56
80) 4-Chlorotoluene	15.57	91	6217	0.23 ug/L	89
81) tert-butylbenzene	16.03	119	5965	0.27 ug/L #	60
82) 1,2,4-Trimethylbenzene	16.10	105	7932	0.30 ug/L	94
83) Diisobutylketone	15.19	57	24454	1.42 ug/L #	80
84) sec-butylbenzene	16.38	105	9916	0.30 ug/L	85
85) p-isopropyltoluene	16.59	119	7142	0.25 ug/L	92
86) 1,3-Dichlorobenzene	16.71	146	3452	0.24 ug/L #	87
88) 1,4-Dichlorobenzene	16.88	146	3518	0.27 ug/L #	72
89) n-butylbenzene	17.24	91	7720	0.29 ug/L	83
90) 1,2-Dichlorobenzene	17.45	146	2900	0.25 ug/L #	84
92) 1,2-Dibromo-3-chloropropan	18.69	75	776	Below Cal #	25
94) 1,2,4-Trichlorobenzene	20.10	180	2291	0.27 ug/L	97
95) Hexachlorobutadiene	20.34	225	1076	0.18 ug/L	79
96) Naphthalene	20.50	128	6488	0.30 ug/L	87
97) 1,2,3-Trichlorobenzene	20.91	180	2141	0.29 ug/L	92
98) 1,3,5-Trichlorobenzene	19.10	180	2409	0.28 ug/L	82

(#) = qualifier out of range (m) = manual integration

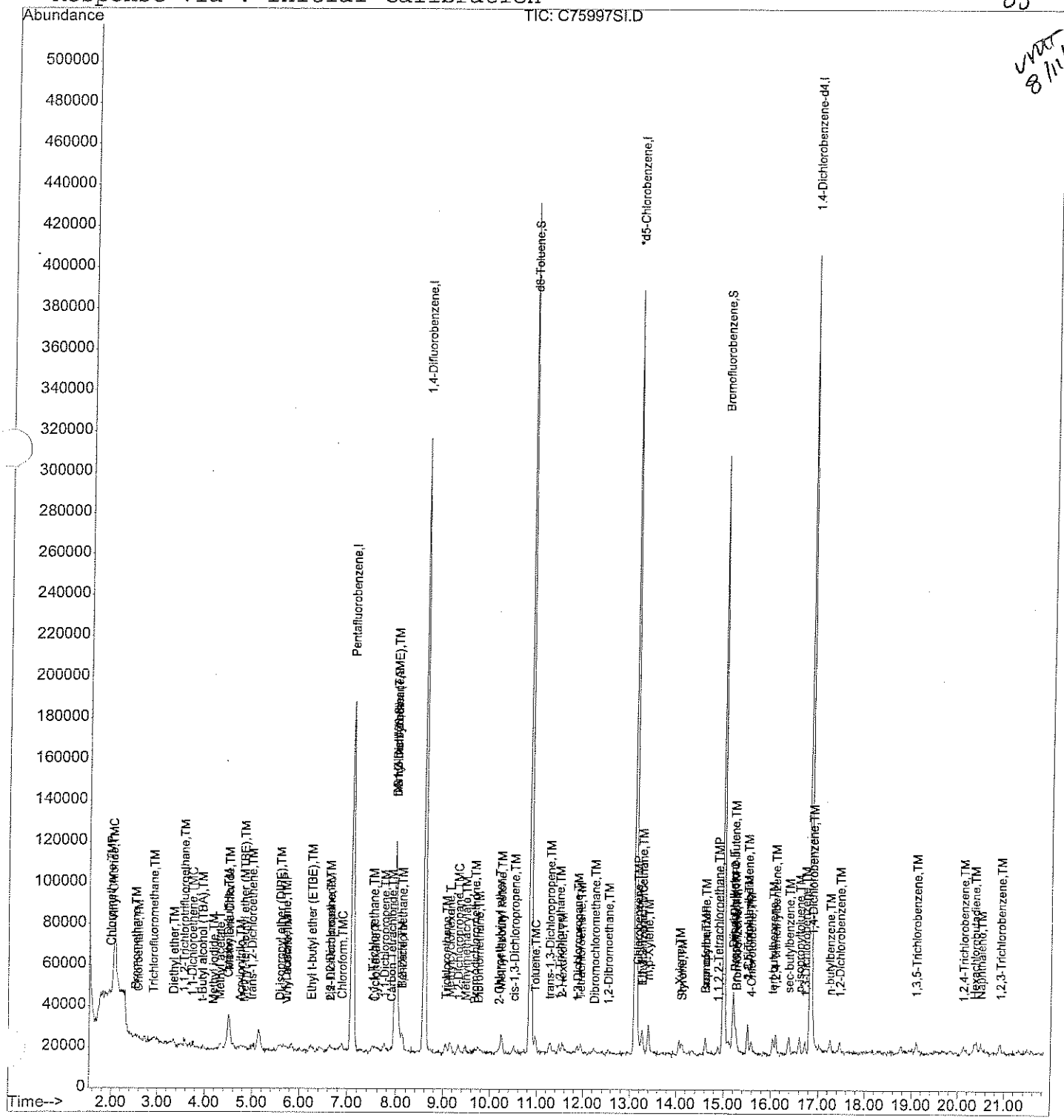
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JL 08/11/10

VMT 8/11/10



Quantitation Report (Qedit)

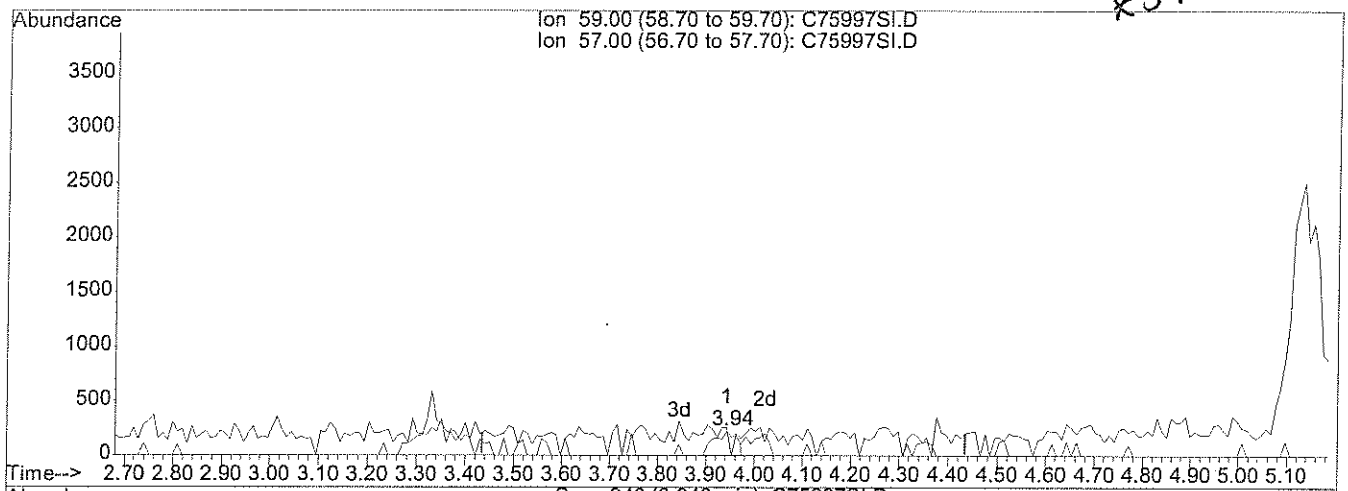
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 12:56 2010 Quant Results File: temp.res

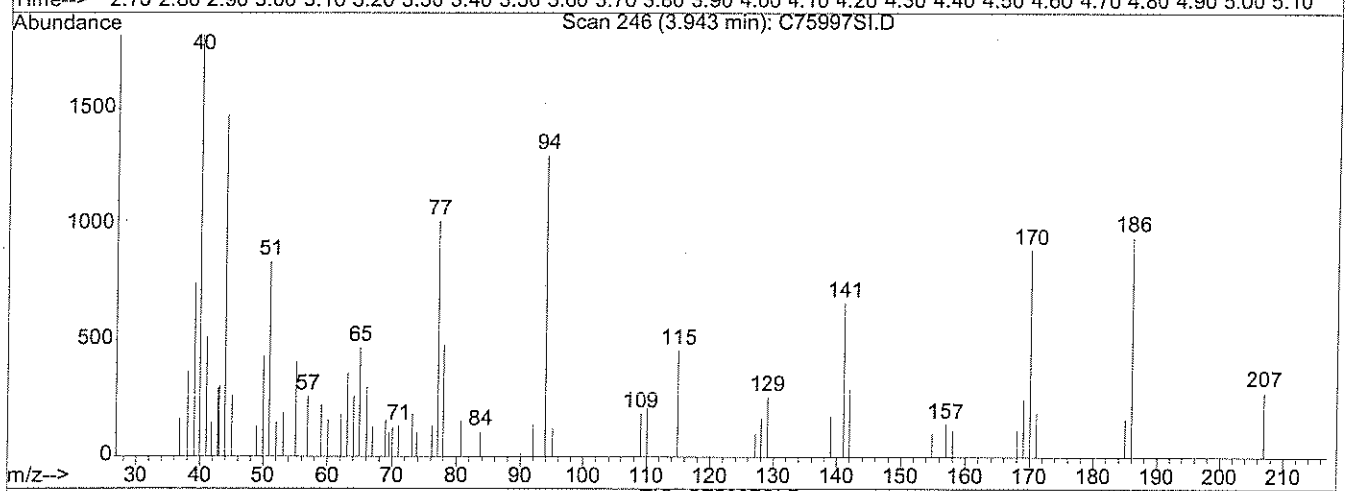
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 08-11-10 KSP

* Point Not used in the Curve

VMT 8/11/10





TIC: C75997SI.D

(7) t-Butyl alcohol (TBA) (TM)

3.94min 1.46ug/L

response 740

Ion	Exp%	Act%
59.00	100	100
57.00	8.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

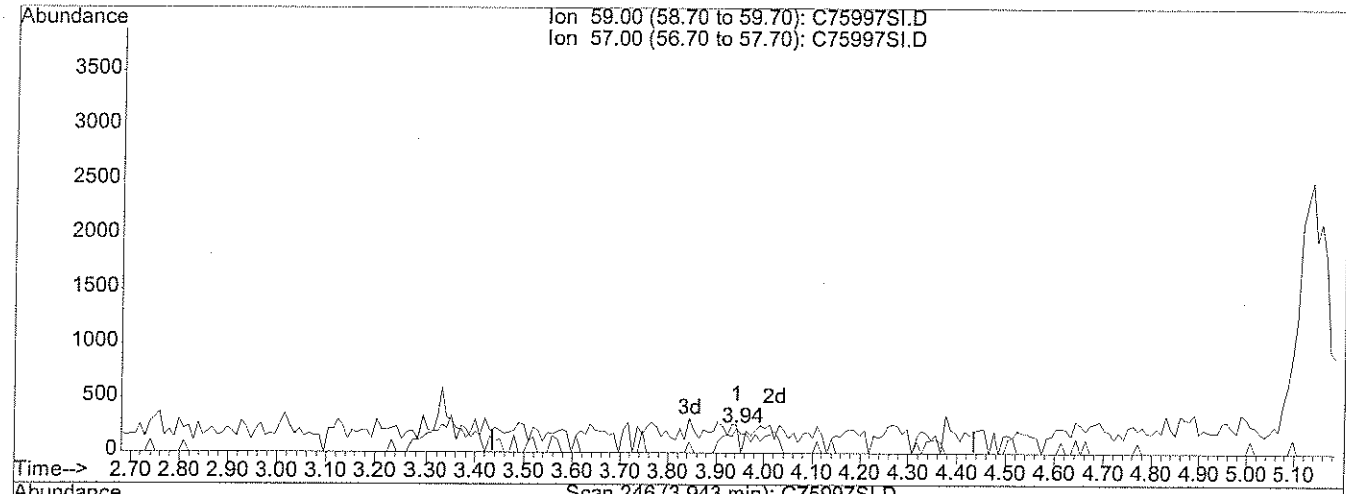
Quantitation Report (Qedit)

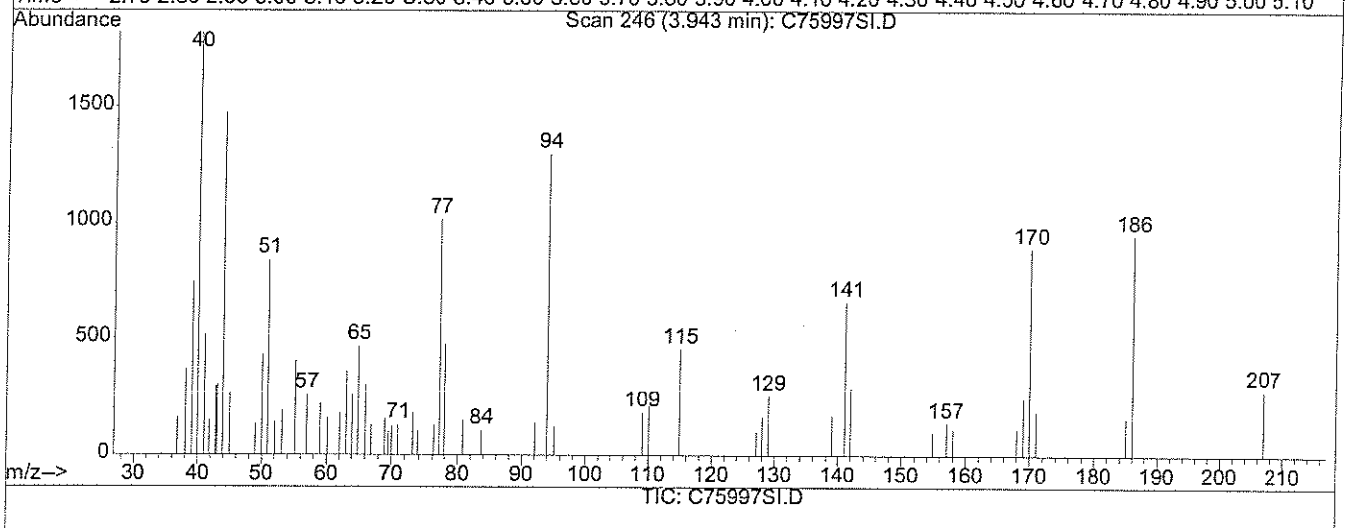
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10

8/11/10





(7) t-Butyl alcohol (TBA) (TM)

3.94min 2.55ug/L m

response 1288

Ion	Exp%	Act%
59.00	100	100
57.00	8.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

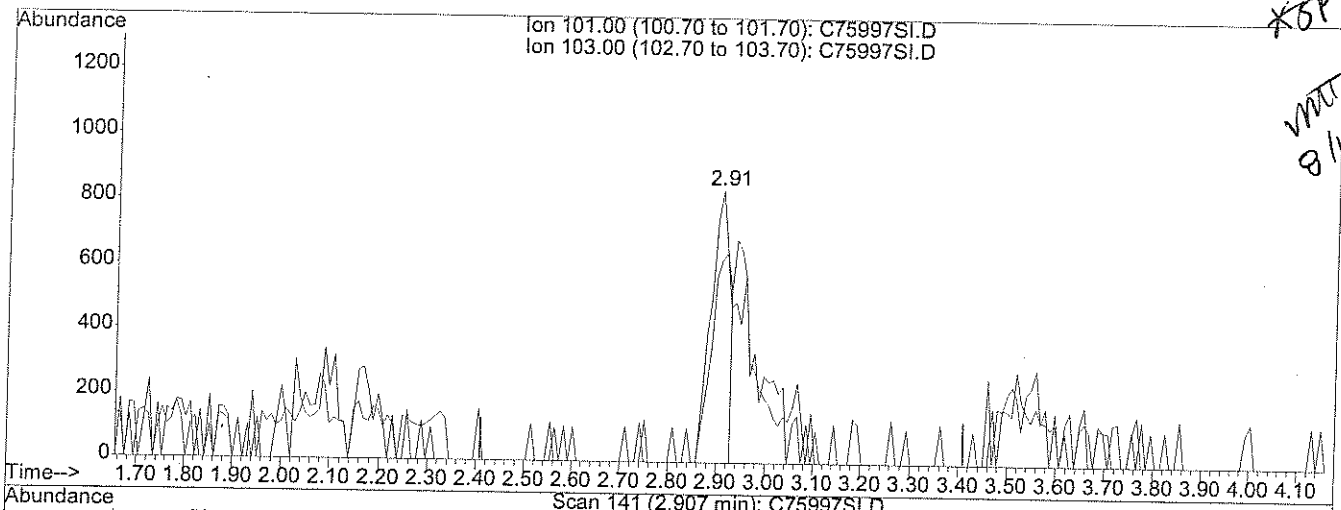
Quantitation Report (Qedit)

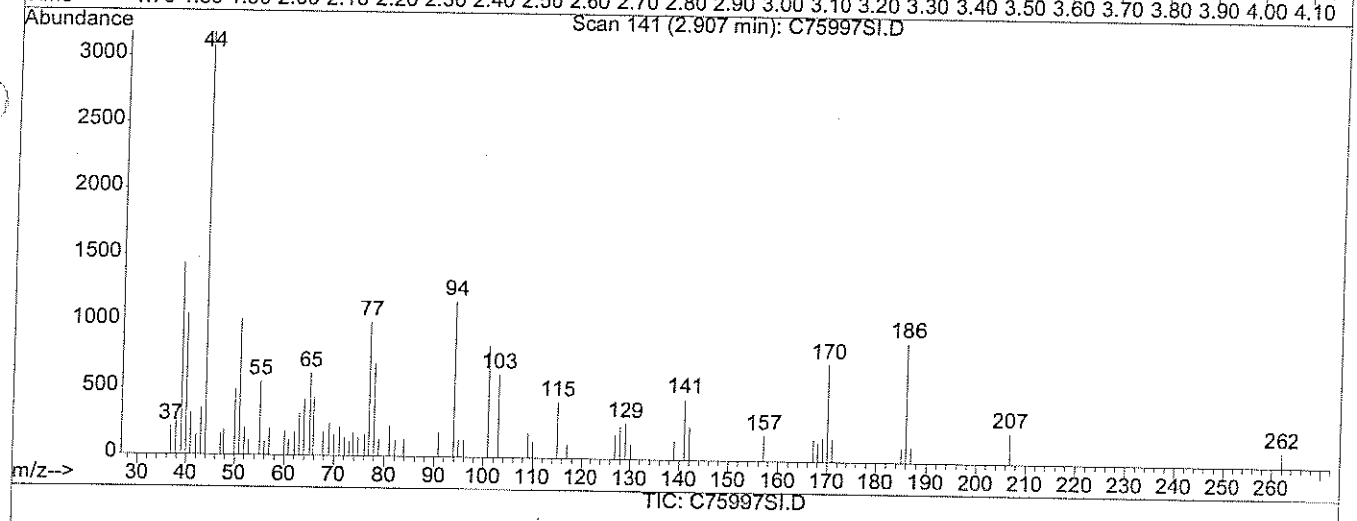
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10 KGP

VMT 8/11/10





(8) Trichlorofluoromethane (TM)

2.91min 0.18ug/L

response 2288

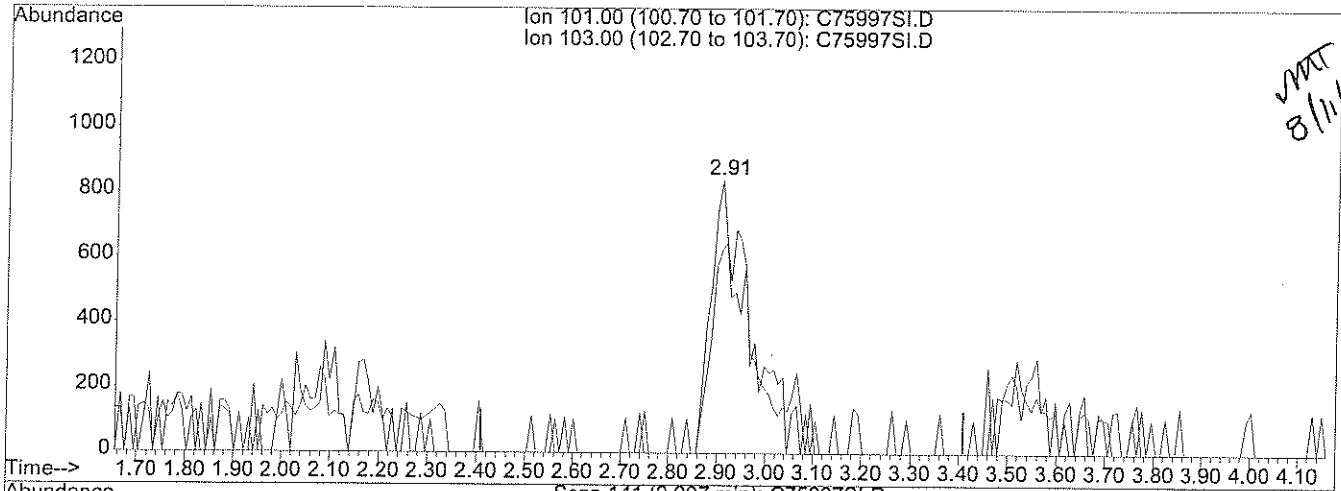
Ion	Exp%	Act%
101.00	100	100
103.00	65.60	74.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

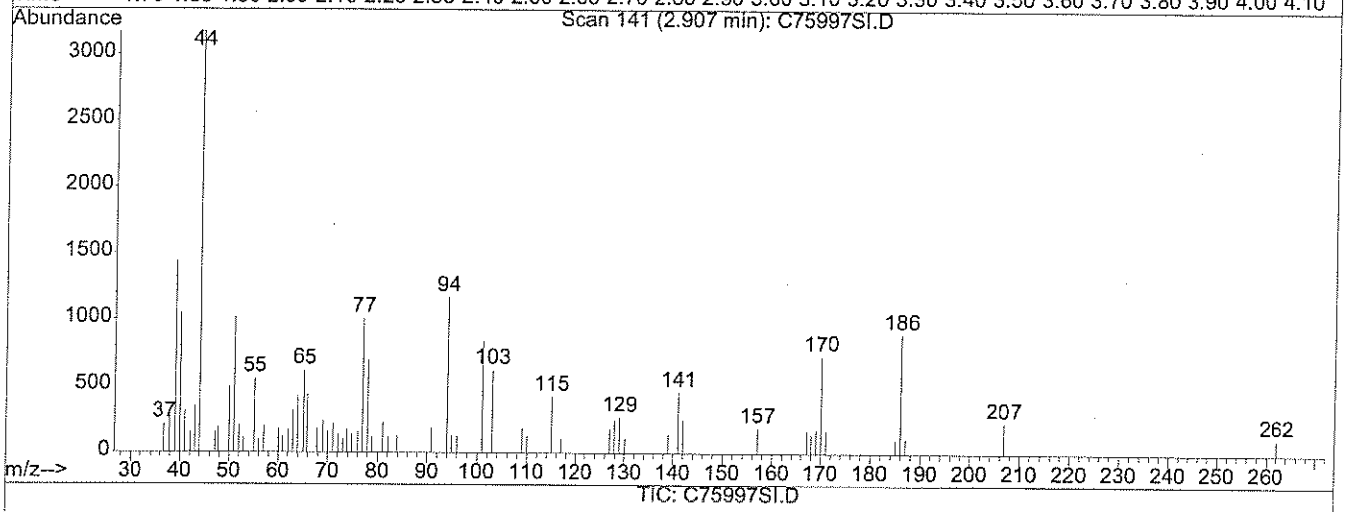
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

CL
08-11-10



VMT
8/11/10



TIC: C75997SI.D

(8) Trichlorofluoromethane (TM)

2.91min 0.37ug/L m

response 4617

Ion	Exp%	Act%
101.00	100	100
103.00	65.60	74.46
0.00	0.00	0.00
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:01:17 2010

Quantitation Report (Qedit)

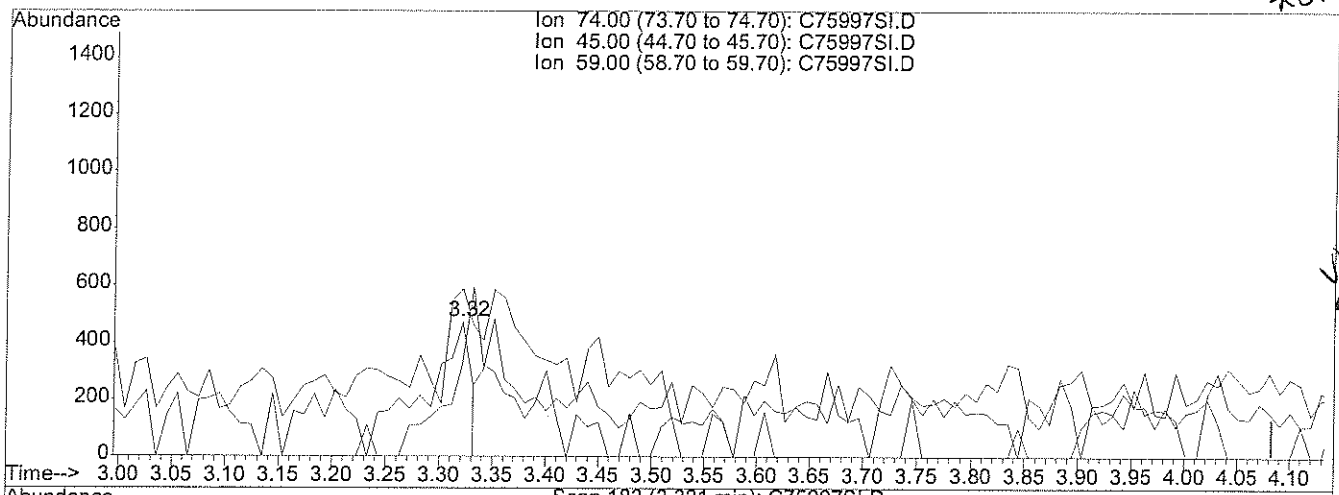
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

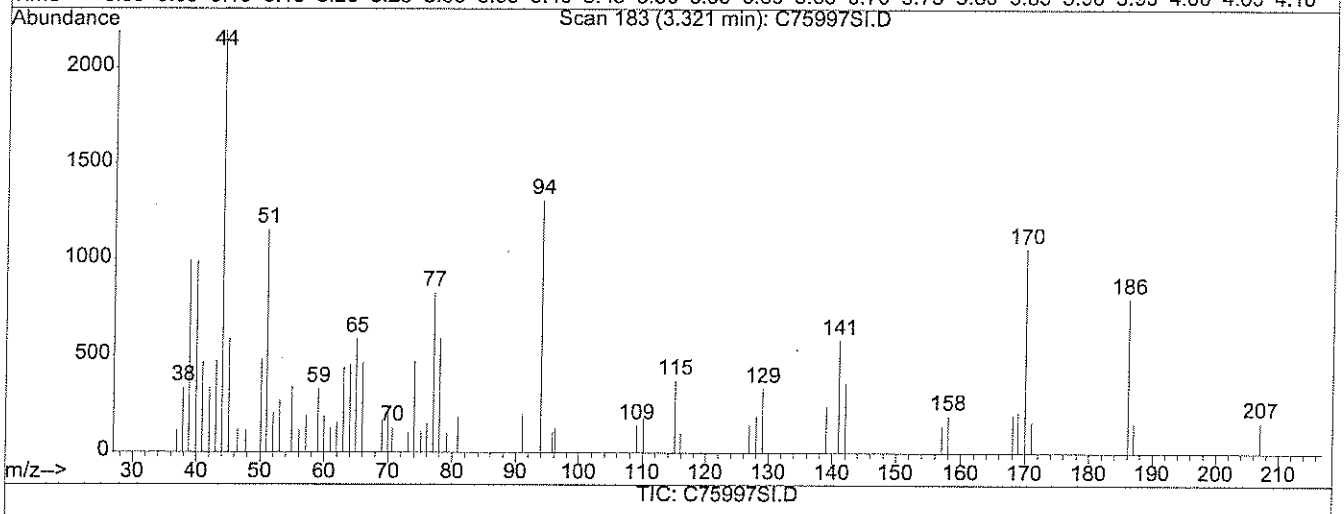
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 09-21-10 *SP

*Point Not used in the Curve

VMC 8/11/10





(9) Diethyl ether (TM)

3.32min 0.41ug/L

response 1456

Ion	Exp%	Act%
74.00	100	100
45.00	148.10	51.44#
59.00	162.00	114.56#
0.00	0.00	0.00

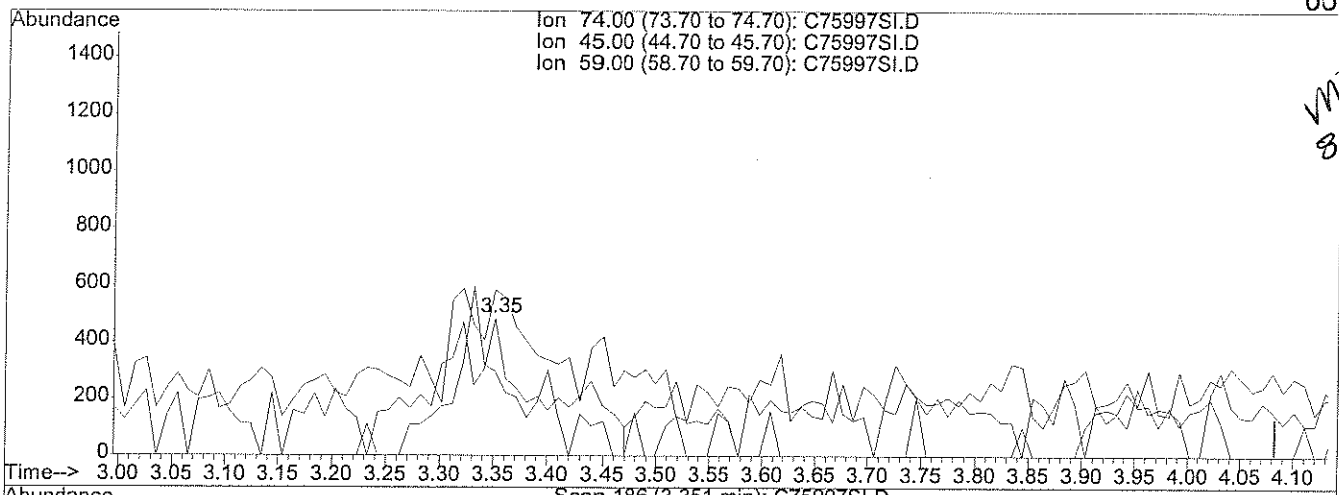
Quantitation Report (Qedit)

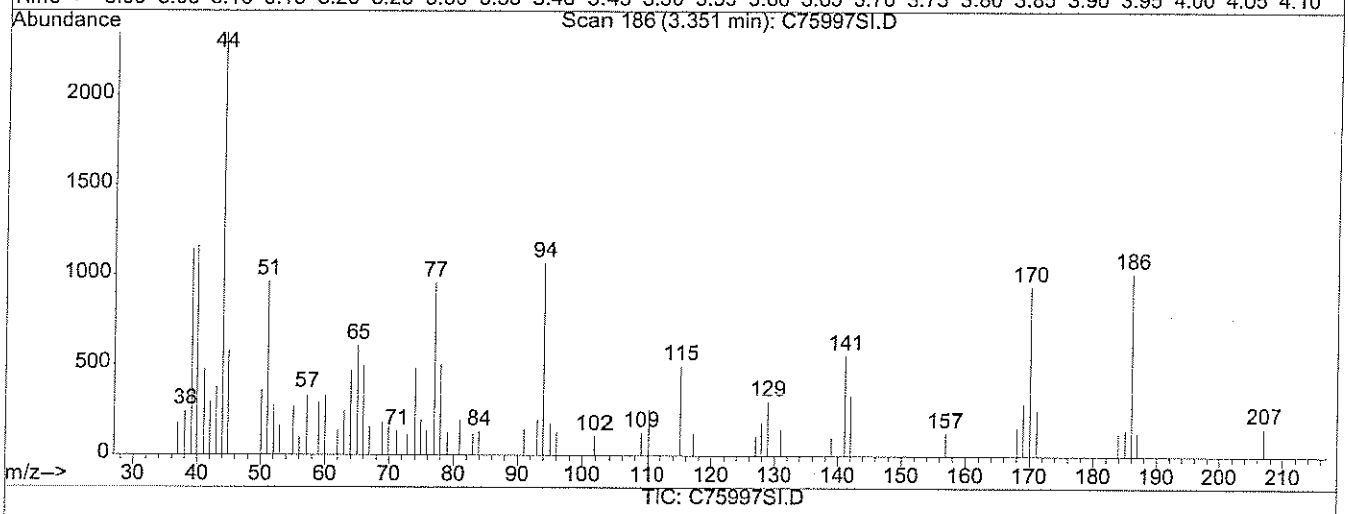
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10

VMT 8/11/10





TIC: C75997SI.D

(9) Diethyl ether (TM)

3.35min 0.93ug/L m

response 3305

Ion	Exp%	Act%
74.00	100	100
45.00	148.10	22.66#
59.00	162.00	50.47#
0.00	0.00	0.00

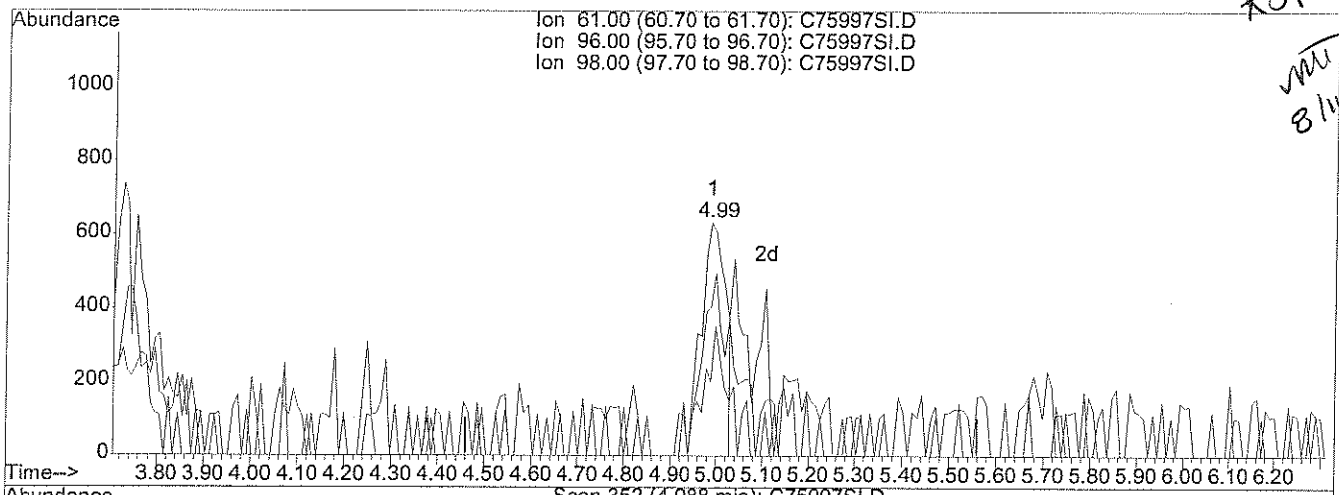
Quantitation Report (Qedit)

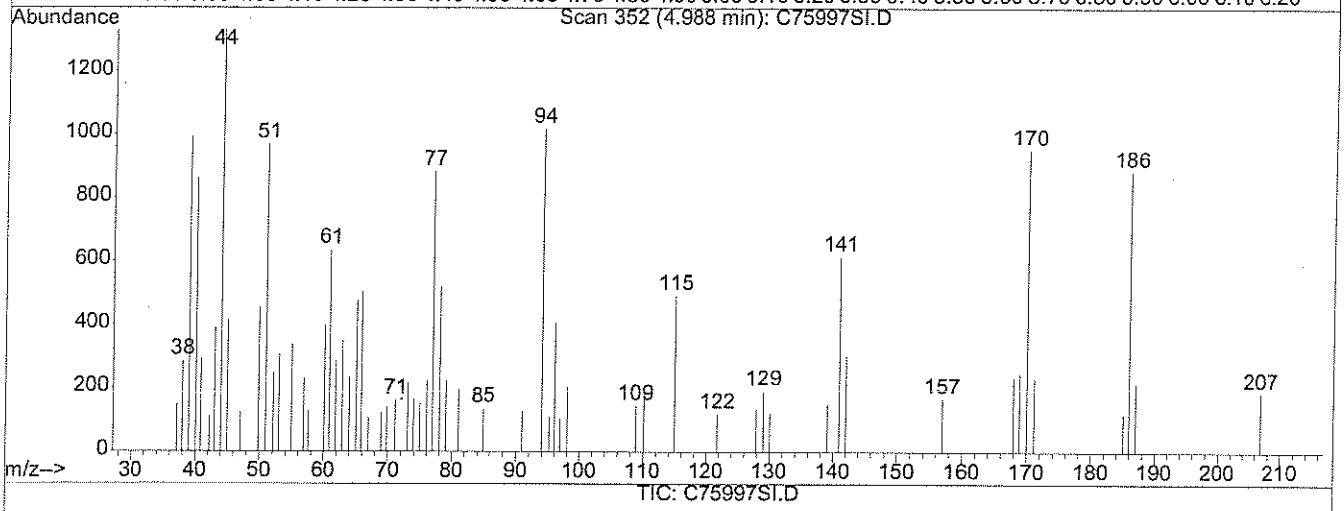
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10 KSP

MU 8/11/10





TIC: C75997SI.D

(20) trans-1,2-Dichloroethene (TM)

4.99min 0.26ug/L

response 2490

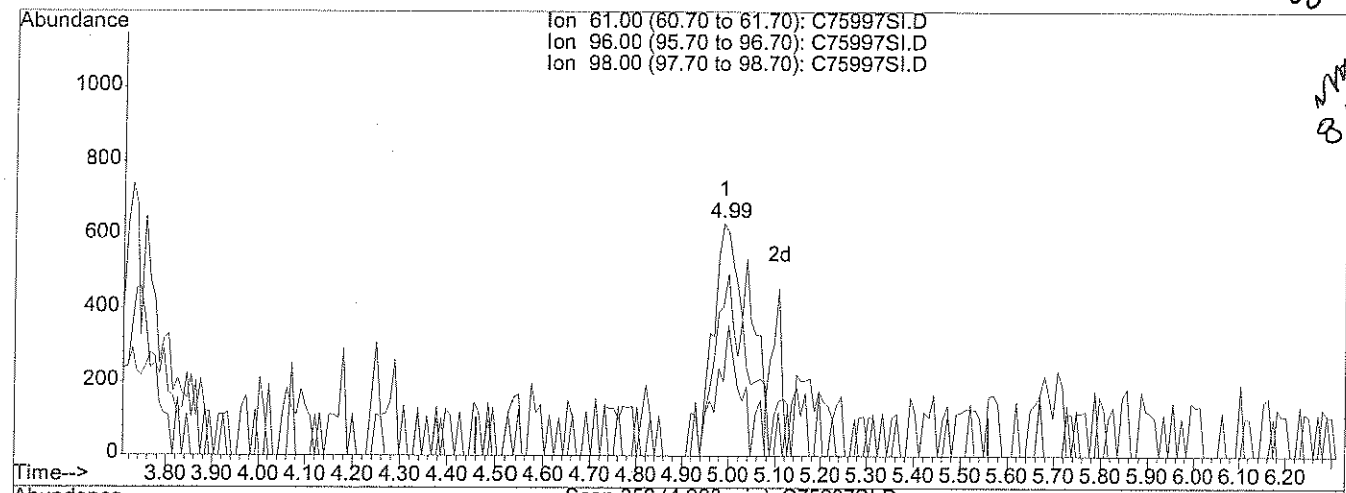
Ion	Exp%	Act%
61.00	100	100
96.00	80.00	64.30
98.00	50.20	31.91
0.00	0.00	0.00

Quantitation Report (Qedit)

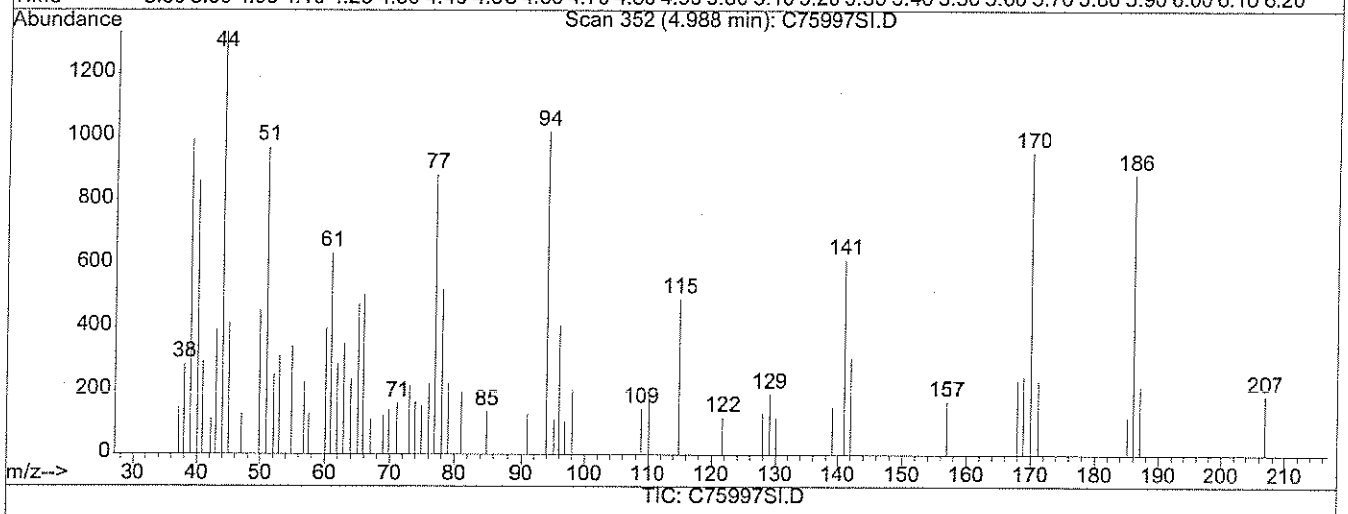
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:04 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL
08-11-10



NMT
8/11/10



(20) trans-1,2-Dichloroethene (TM)

4.99min 0.37ug/L m

response 3501

Ion	Exp%	Act%
61.00	100	100
96.00	80.00	64.30
98.00	50.20	31.91
0.00	0.00	0.00

Quantitation Report (Qedit)

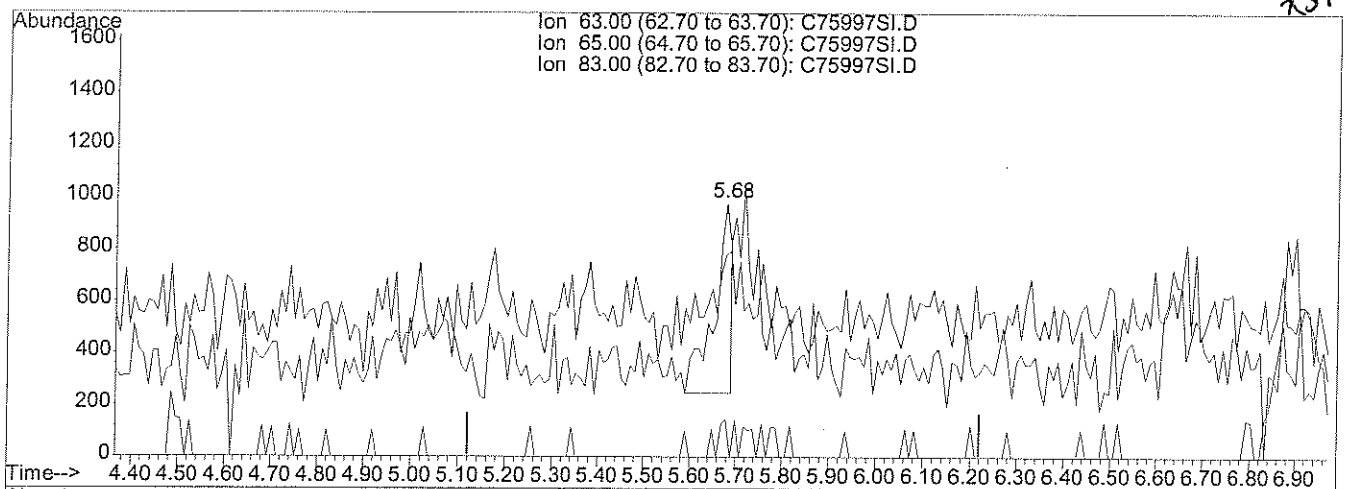
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:04 2010 Quant Results File: temp.res

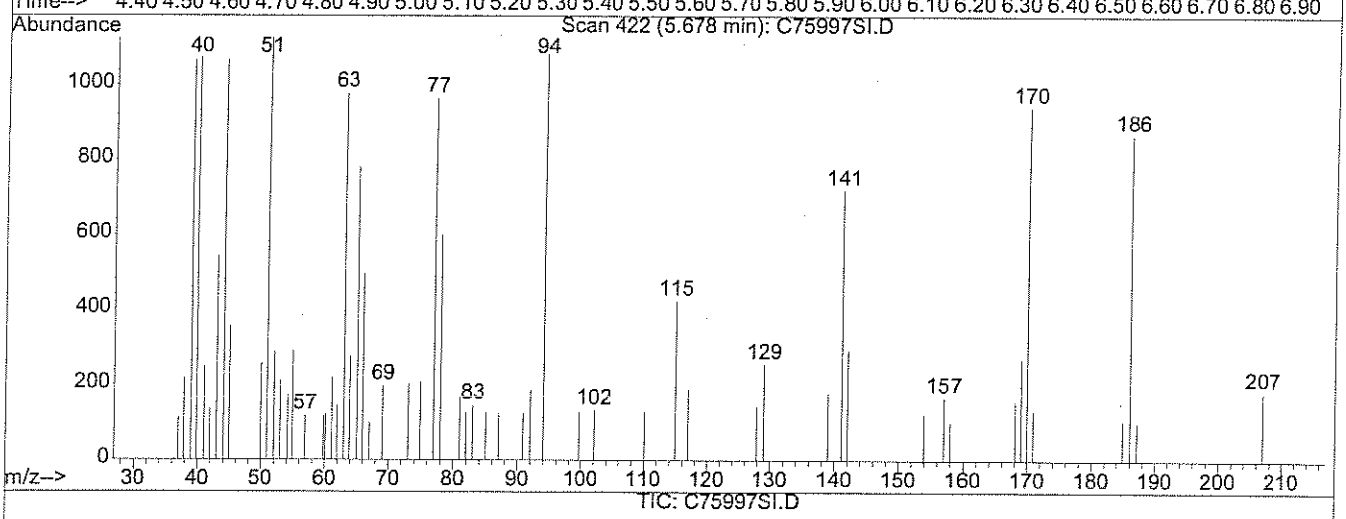
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10 KSP

* Point NOT USED IN The Curve

VMT 8/11/10





(21) 1,1-Dichloroethane (TMP)

5.68min 0.16ug/L

response 1933

Ion	Exp%	Act%
63.00	100	100
65.00	30.20	28.45
83.00	19.30	19.97
0.00	0.00	0.00

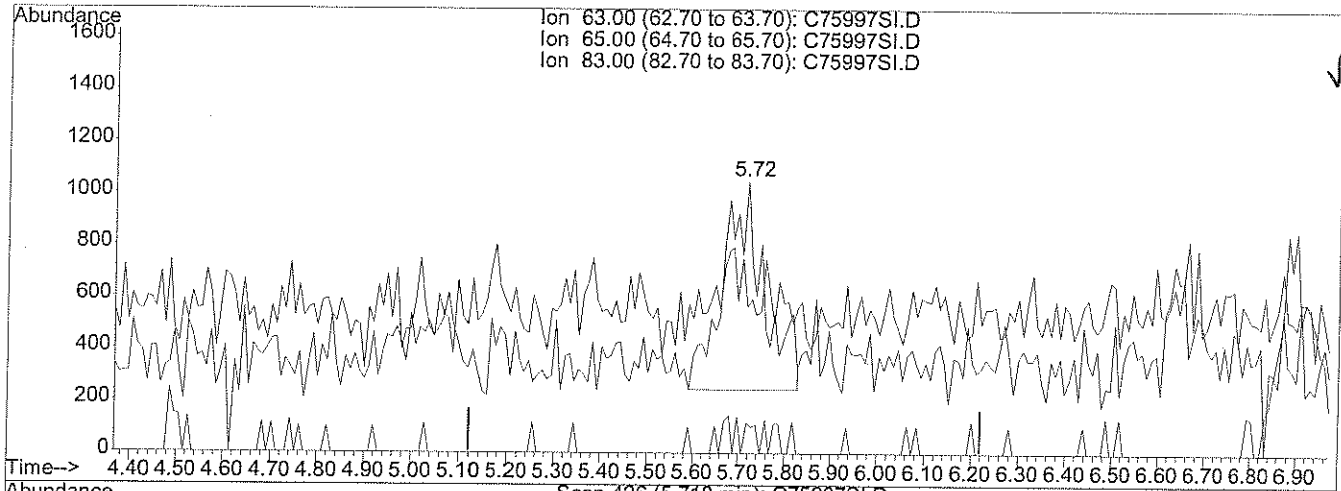
Quantitation Report (Qedit)

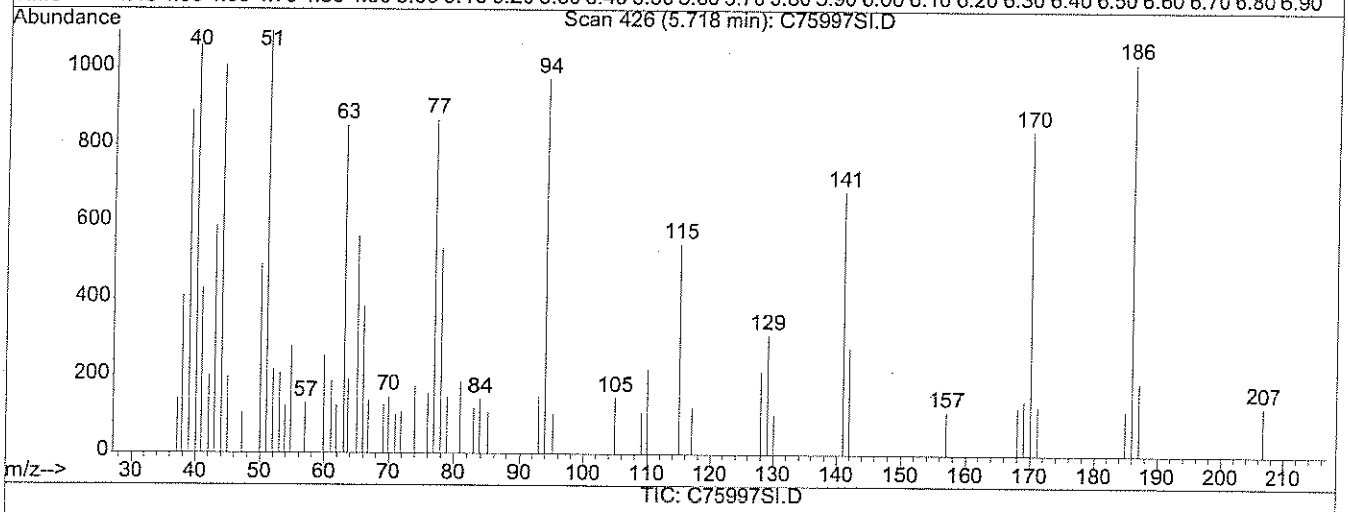
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

08-11-10

VMT 8/11/10





TIC: C75997SI.D

(21) 1,1-Dichloroethane (TMP)

5.72min 0.42ug/L m

response 4930

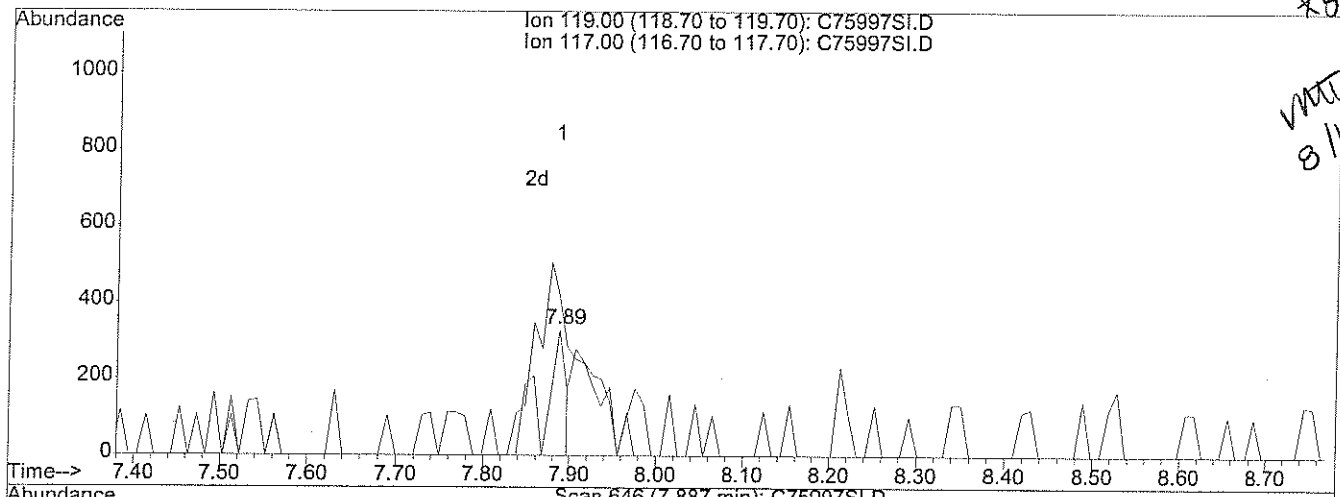
Ion	Exp%	Act%
63.00	100	100
65.00	30.20	66.24#
83.00	19.30	13.83
0.00	0.00	0.00

Quantitation Report (Qedit)

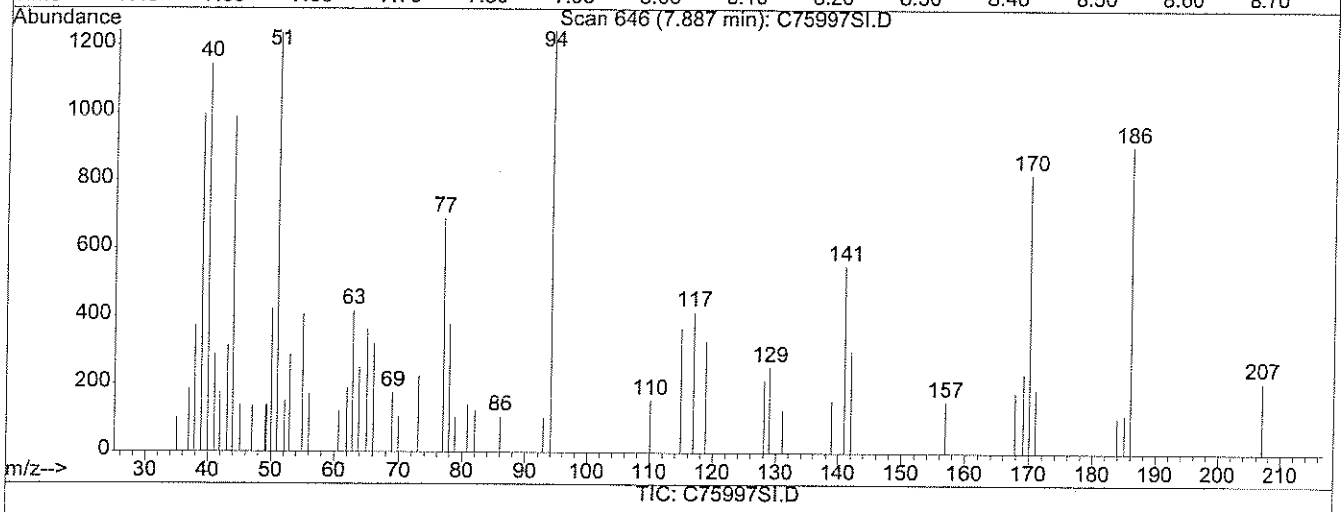
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08/11/10 KBP



VMT 8/11/10



(35) Carbon Tetrachloride (TM)

7.89min 0.06ug/L

response 388

Ion	Exp%	Act%
119.00	100	100
117.00	101.10	41.16#
0.00	0.00	0.00
0.00	0.00	0.00

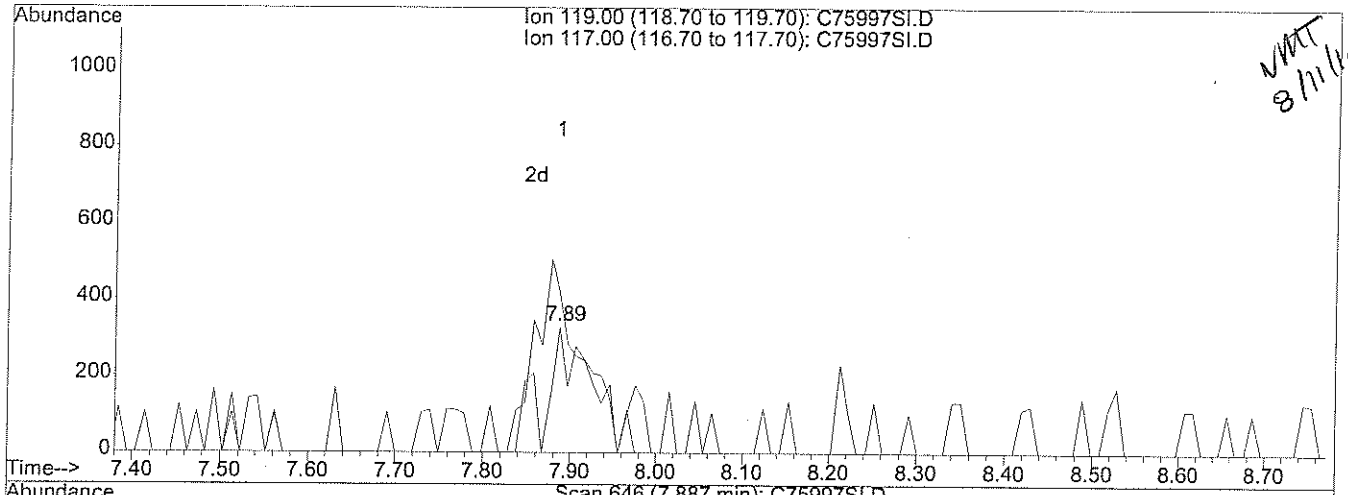
C75997SI.D V808100C.M Tue Aug 10 13:05:46 2010

Quantitation Report (Qedit)

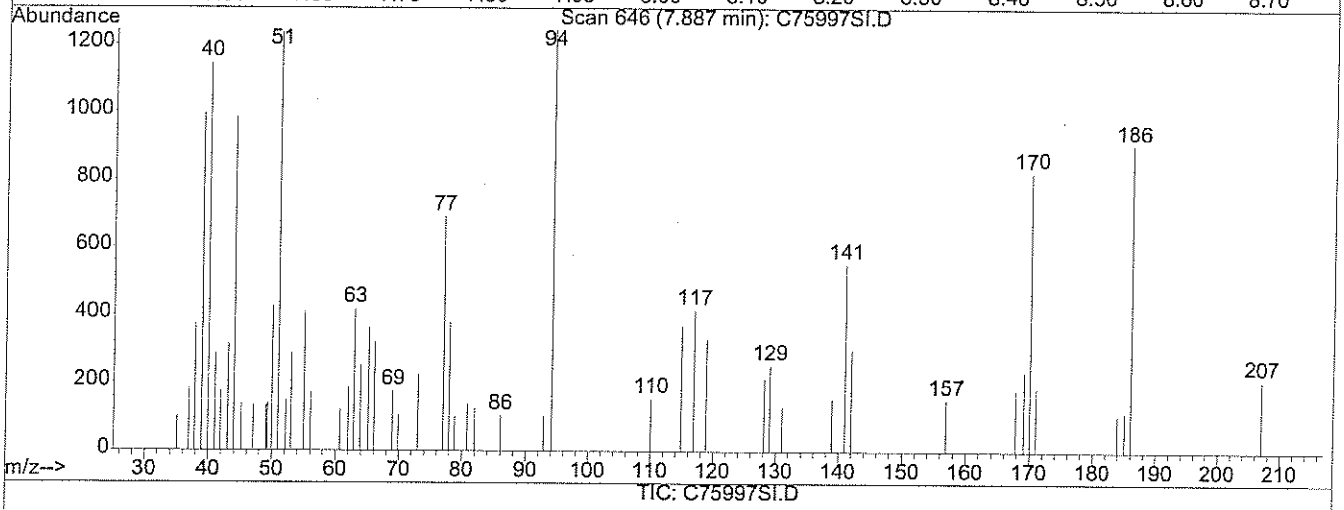
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08/11/10



NMT 8/11/10



(35) Carbon Tetrachloride (TM)

7.89min 0.16ug/L m

response 1023

Ion	Exp%	Act%
119.00	100	100
117.00	101.10	126.52#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08-11-10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	197160	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	377545	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.11	117	336495	20.00 ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	150633	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	147502	20.71 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.55%		
36) d4-1,2-Dichloroethane	7.98	65	147502	20.69 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 103.45%		
54) d8-Toluene	10.85	98	422894	18.02 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 90.10%		
73) Bromofluorobenzene	14.99	95	156189	15.62 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 78.10%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	5386	Below Cal	88
3) Chloromethane	1.97	50	8355	0.90 ug/L	85
4) Vinyl Chloride	2.02	62	5351	0.81 ug/L	88
5) Bromomethane	2.52	94	1903	0.31 ug/L #	44
6) Chloroethane	2.57	64	4135	0.29 ug/L	99
7) t-Butyl alcohol (TBA)	3.96	59	263	0.52 ug/L #	1
8) Trichlorofluoromethane	2.92	101	6719	0.53 ug/L	96
9) Diethyl ether	3.32	74	1421	0.40 ug/L #	60
10) 1,1,2-Trichlorotrifluoroet	3.55	101	3848m	0.56 ug/L	
11) Acrolein	3.57	56	544	Below Cal	89
12) Acetone	3.59	43	11879	1.45 ug/L #	75
13) 1,1-Dichloroethene	3.75	96	4283	0.66 ug/L	83
14) Methyl iodide	4.17	142	398	0.05 ug/L	92
15) Di-isopropyl ether (DIPE)	5.59	45	17718	0.75 ug/L	90
16) Methylene Chloride	4.51	84	8151	0.09 ug/L	92
17) Carbon Disulfide	4.48	76	85524	3.69 ug/L	96
18) Acrylonitrile	4.73	53	760	0.28 ug/L #	52
19) Methyl-tert-butyl ether (M	4.82	73	7222m	0.42 ug/L	
20) trans-1,2-Dichloroethene	4.99	61	5161	0.54 ug/L	87
21) 1,1-Dichloroethane	5.69	63	8363	0.70 ug/L	81
22) Vinyl acetate	5.73	43	6555	0.55 ug/L #	87
23) Methyl ethyl ketone	6.42	72	2175	Below Cal #	97
24) Ethyl t-butyl ether (ETBE)	6.23	59	12326	0.60 ug/L #	67
25) 2,2-Dichloropropane	6.60	77	4267	0.51 ug/L	91
26) cis-1,2-Dichloroethene	6.64	96	5214	0.67 ug/L	96
27) t-Amyl methyl ether (TAME)	7.99	73	10882	0.58 ug/L #	63

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08-11-10 VMT 8/11/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.90	83	6886	0.48 ug/L	86
30) Bromochloromethane	7.12	128	2610	Below Cal #	86
31) Tetrahydrofuran	7.26	71	809	0.49 ug/L #	1
32) 1,1,1-Trichloroethane	7.52	97	4902	0.41 ug/L #	78
33) Ethanol	2.71	45	3980	5.41 ug/L #	40
34) 1,1-Dichloropropene	7.74	75	6412	0.64 ug/L	81
35) Carbon Tetrachloride	7.88	119	2580m	0.41 ug/L	
37) 1,2-Dichloroethane	8.11	62	6486	0.69 ug/L	76
38) Benzene	8.12	78	14382	0.55 ug/L	96
40) Trichloroethene	9.06	95	5734	0.58 ug/L #	49
41) 1,2-Dichloropropane	9.33	63	5435	0.73 ug/L	97
42) Methylmethacrylate	9.47	69	3675	0.68 ug/L #	72
43) Methyl acetate	4.32	43	5600	0.64 ug/L #	77
44) Cyclohexane	7.51	56	7637m	0.68 ug/L	
45) Bromodichloromethane	9.67	83	5261	0.46 ug/L	79
46) Dibromomethane	9.73	93	3520	0.54 ug/L	81
47) 1,4-Dioxane	9.75	88	1448	Below Cal #	41
48) Methylcyclohexane	9.16	83	6437	0.47 ug/L #	71
50) 2-Chloroethylvinyl ether	10.18	63	2198	0.53 ug/L #	76
51) 2-Hexanone	11.55	58	8106	2.91 ug/L #	64
52) Methyl isobutyl ketone	10.23	58	9297	3.15 ug/L #	69
53) cis-1,3-Dichloropropene	10.50	75	7079	0.55 ug/L	95
55) Toluene	10.96	92	9530	0.50 ug/L #	79
56) trans-1,3-Dichloropropene	11.25	75	6597	0.52 ug/L	97
58) 1,1,2-Trichloroethane	11.48	83	3334	0.51 ug/L	88
59) 1,3-Dichloropropane	11.86	76	5721	0.45 ug/L	92
60) Tetrachloroethene	11.95	166	4043	0.52 ug/L #	79
61) Dibromochloromethane	12.23	129	3983	0.41 ug/L	96
62) 1,2-Dibromoethane	12.53	107	4226	0.53 ug/L	98
64) Chlorobenzene	13.17	112	10720	0.61 ug/L	87
65) 1,1,1,2-Tetrachloroethane	13.26	131	3522	0.44 ug/L	88
66) Ethylbenzene	13.27	91	16750	0.46 ug/L	80
67) m,p-Xylene	13.40	106	13980	1.21 ug/L #	42
68) o-Xylene	14.06	106	6280	0.56 ug/L #	56
69) Styrene	14.11	104	11682	0.58 ug/L #	57
70) Bromoform	14.59	173	1528	0.32 ug/L	84
71) Isopropylbenzene	14.62	105	17054	0.55 ug/L	94
72) 1,1,2,2-Tetrachloroethane	14.88	83	5269	0.51 ug/L #	88
74) 1,2,3-Trichloropropane	15.11	75	5413	0.72 ug/L	100
75) trans-1,4-Dichloro-2-buten	15.24	89	1589	0.51 ug/L #	56
76) n-Propylbenzene	15.24	91	20202	0.46 ug/L	82

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08/11/10 VMT 8/11/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) Bromobenzene	15.27	156	3672	0.48 ug/L #	84
78) 1,3,5-Trimethylbenzene	15.49	105	14851	0.59 ug/L	95
79) 2-Chlorotoluene	15.49	91	13703	0.48 ug/L	71
80) 4-Chlorotoluene	15.58	91	10812	0.41 ug/L	70
81) tert-butylbenzene	16.04	119	11641	0.52 ug/L #	64
82) 1,2,4-Trimethylbenzene	16.10	105	13723	0.52 ug/L #	52
83) Diisobutylketone	15.19	57	50025	2.88 ug/L #	80
84) sec-butylbenzene	16.38	105	18696	0.56 ug/L	83
85) p-isopropyltoluene	16.59	119	15386	0.54 ug/L	87
86) 1,3-Dichlorobenzene	16.72	146	6736	0.46 ug/L #	80
88) 1,4-Dichlorobenzene	16.88	146	7320	0.56 ug/L	87
89) n-butylbenzene	17.25	91	14075	0.53 ug/L	74
90) 1,2-Dichlorobenzene	17.45	146	6107	0.52 ug/L	91
92) 1,2-Dibromo-3-chloropropan	18.69	75	1648	0.24 ug/L #	81
94) 1,2,4-Trichlorobenzene	20.10	180	4845	0.58 ug/L	98
95) Hexachlorobutadiene	20.34	225	2386	0.40 ug/L	95
96) Naphthalene	20.49	128	13546	0.63 ug/L	96
97) 1,2,3-Trichlorobenzene	20.90	180	4125	0.55 ug/L	90
98) 1,3,5-Trichlorobenzene	19.10	180	5312	0.61 ug/L	92

(#) = qualifier out of range (m) = manual integration

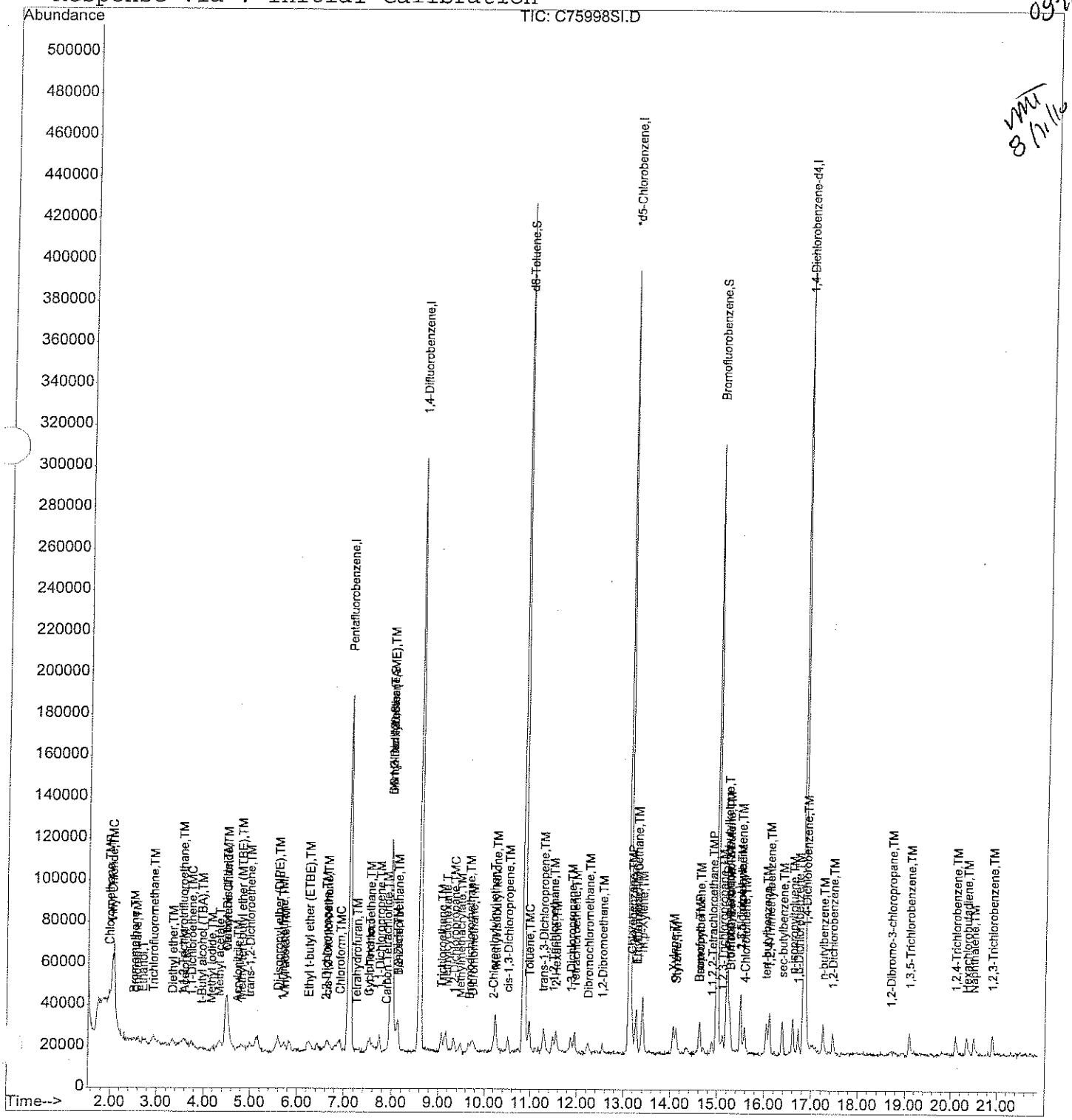
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JL 09-11-10

VMT 8/11/10



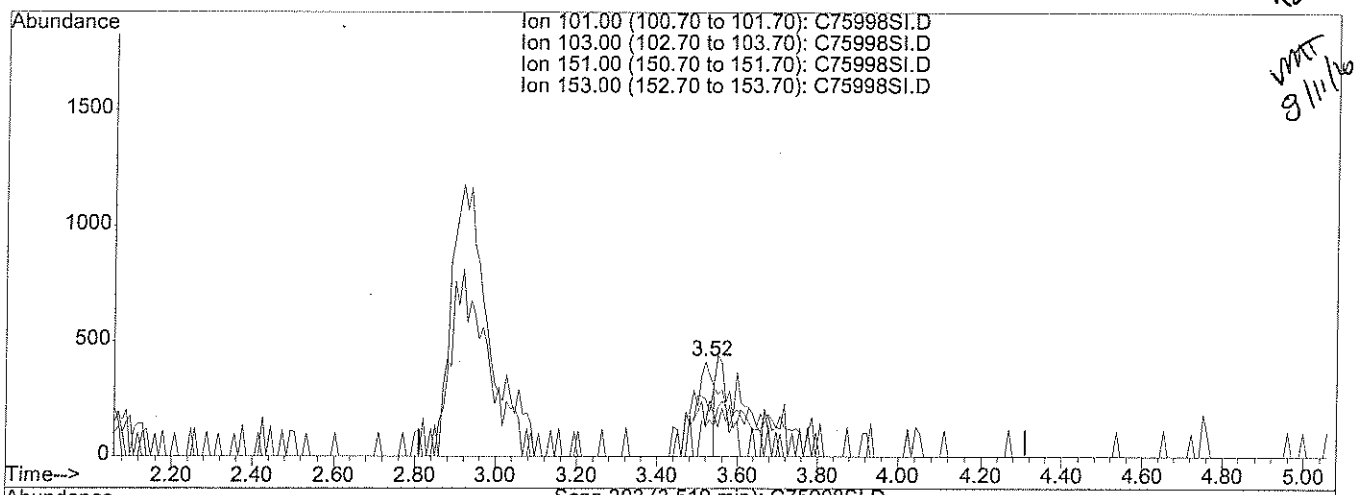
Quantitation Report (Qedit)

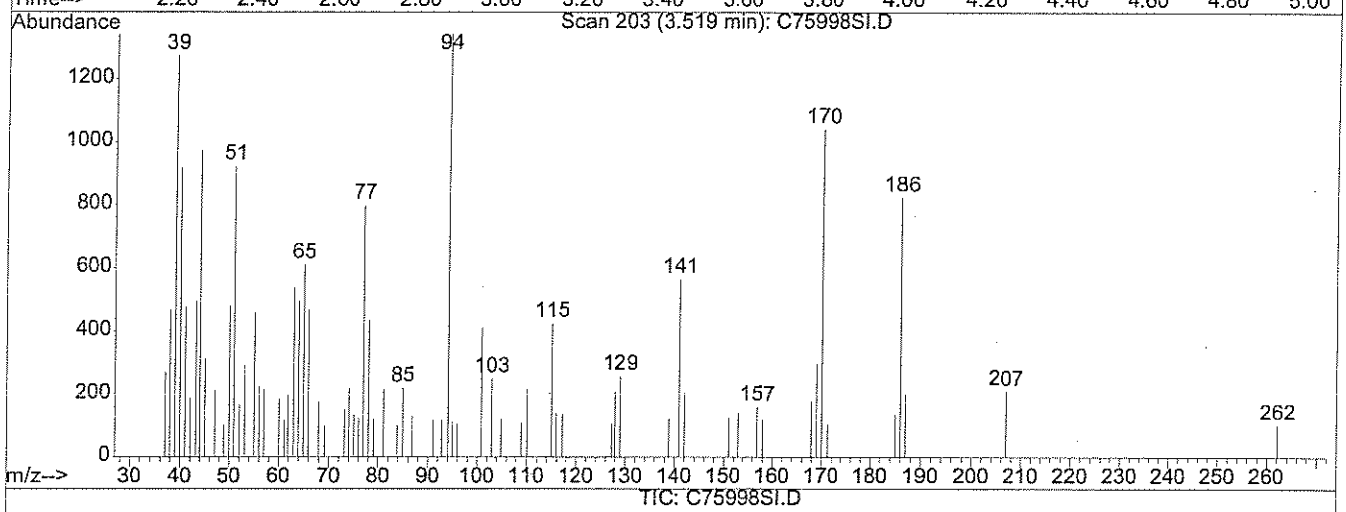
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL
09.11.10
KSP

VMT
9/11/10





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.52min 0.20ug/L

response 1358

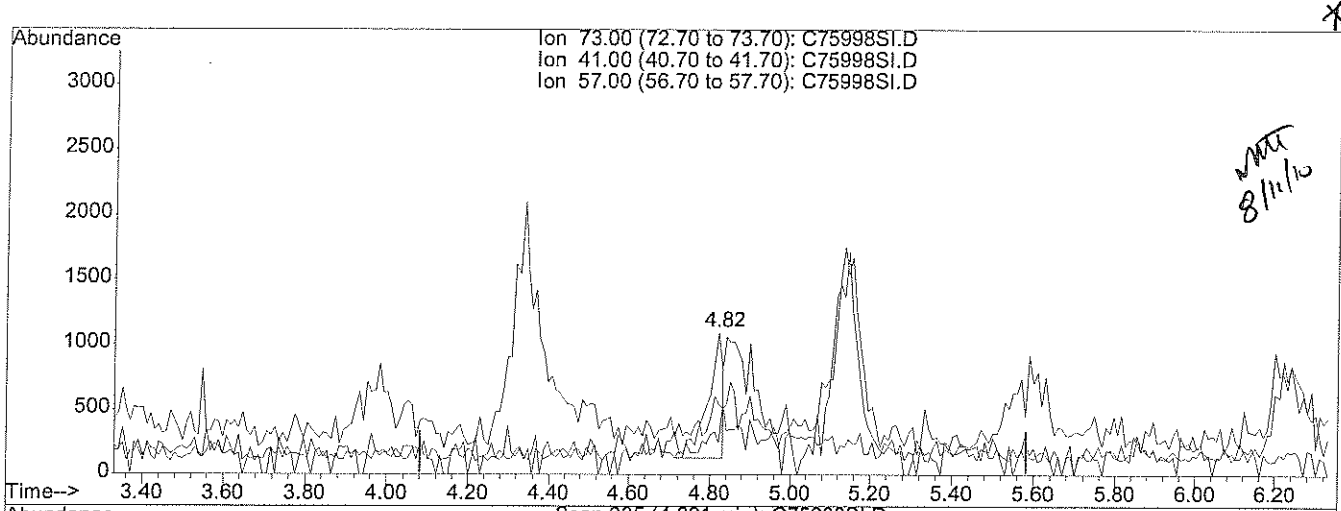
Ion	Exp%	Act%
101.00	100	100
103.00	57.00	28.57#
151.00	44.60	0.00#
153.00	24.40	37.19#

Quantitation Report (Qedit)

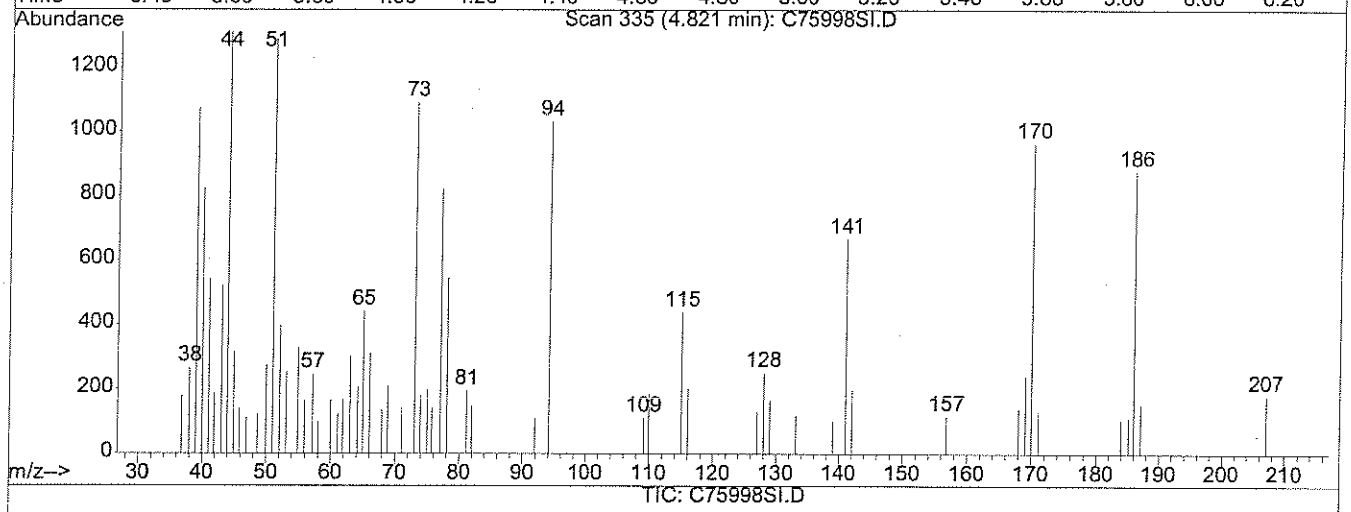
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 08.11.10 KBP



MMT 8/11/10



TIC: C75998SI.D

(19) Methyl-tert-butyl ether (MTBE) (TM)

4.82min 0.15ug/L

response 2513

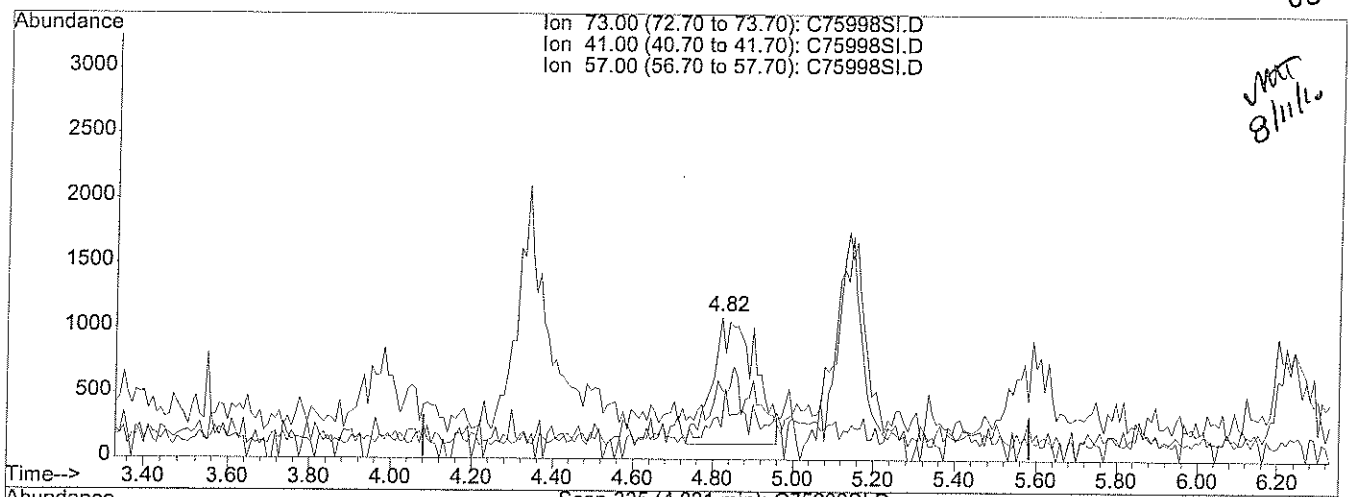
Ion	Exp%	Act%
73.00	100	100
41.00	22.90	22.68
57.00	16.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

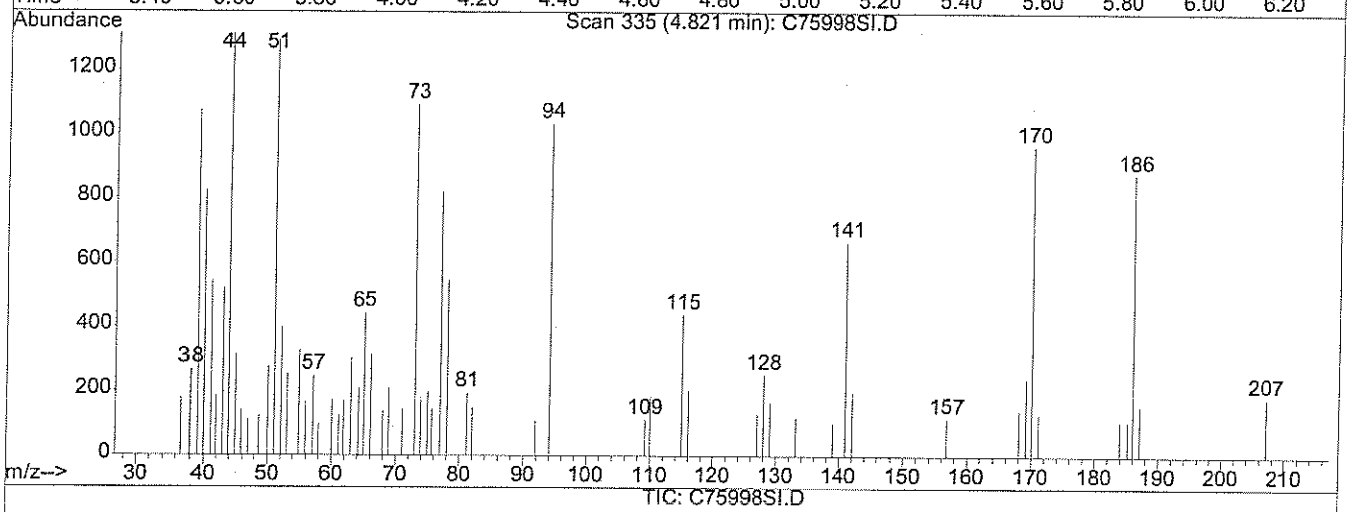
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08.11.10



VMT 8/11/10



(19) Methyl-tert-butyl ether (MTBE) (TM)

4.82min 0.42ug/L m

response 7222

Ion	Exp%	Act%
73.00	100	100
41.00	22.90	7.89#
57.00	16.50	0.00#
0.00	0.00	0.00

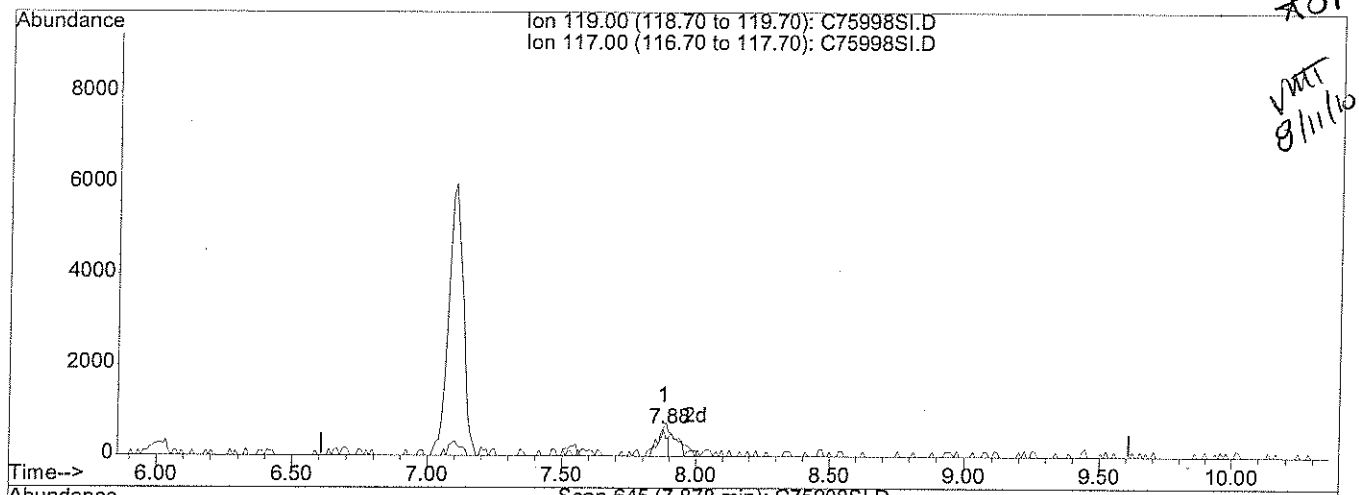
Quantitation Report (Qedit)

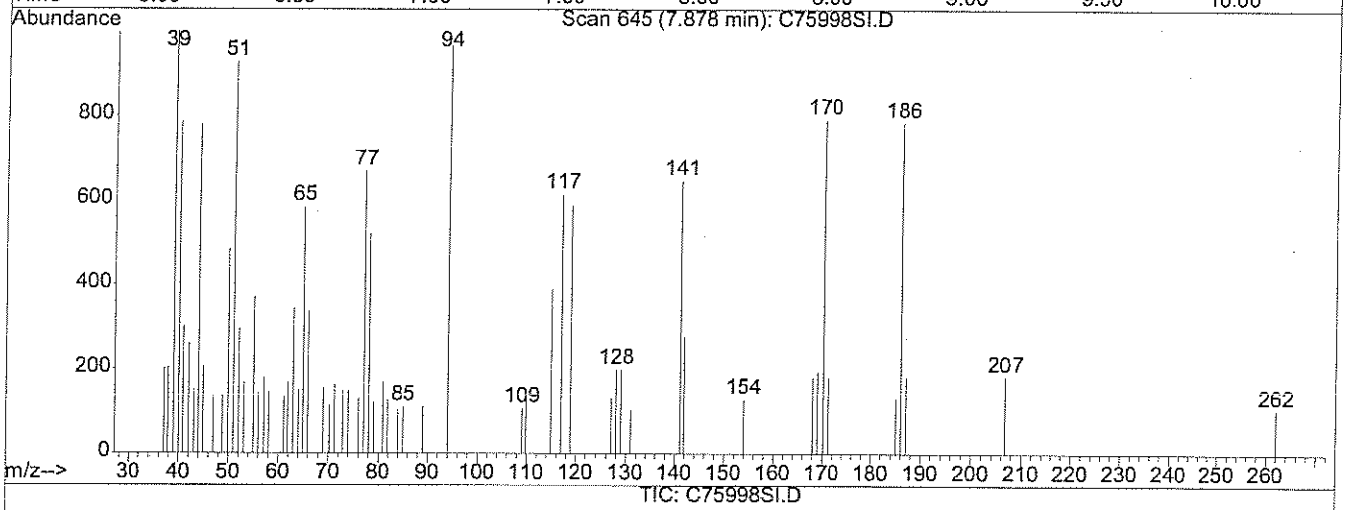
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

08.11.10
KSP

VMT
8/11/10





(35) Carbon Tetrachloride (TM)

7.88min 0.23ug/L

response 1448

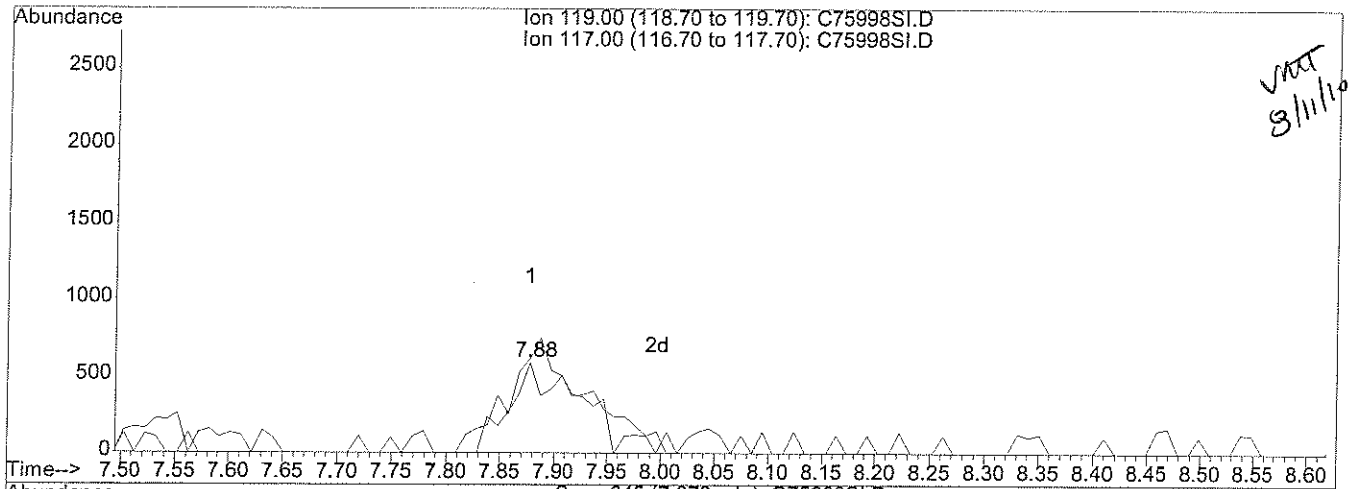
Ion	Exp%	Act%
119.00	100	100
117.00	101.10	84.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

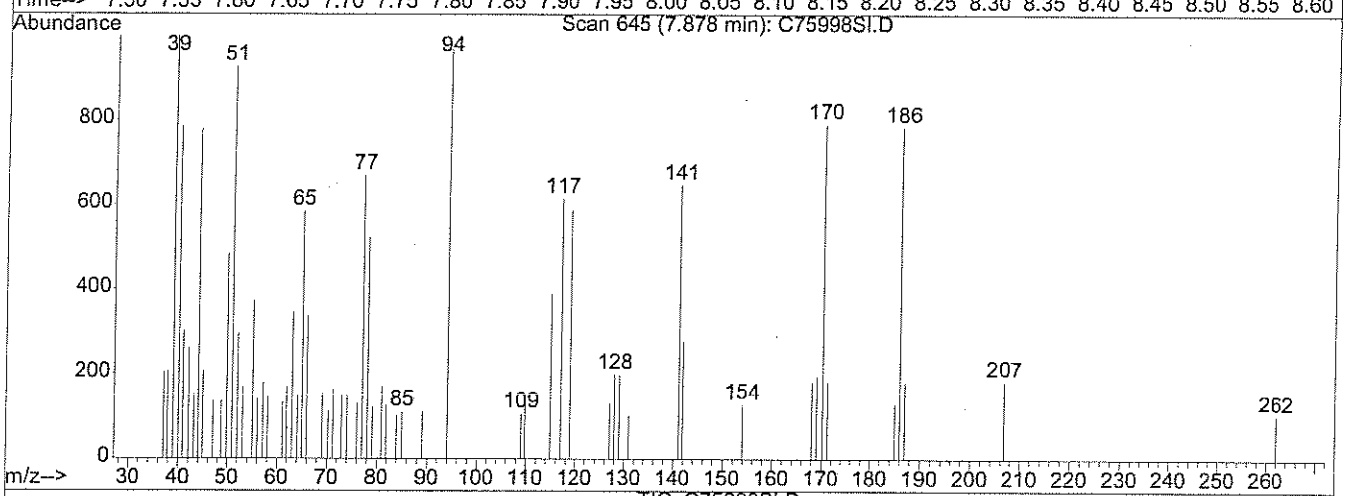
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

08-12-10



VMT 8/11/10



TIC: C75998SI.D

(35) Carbon Tetrachloride (TM)

7.88min 0.41ug/L m

response 2580

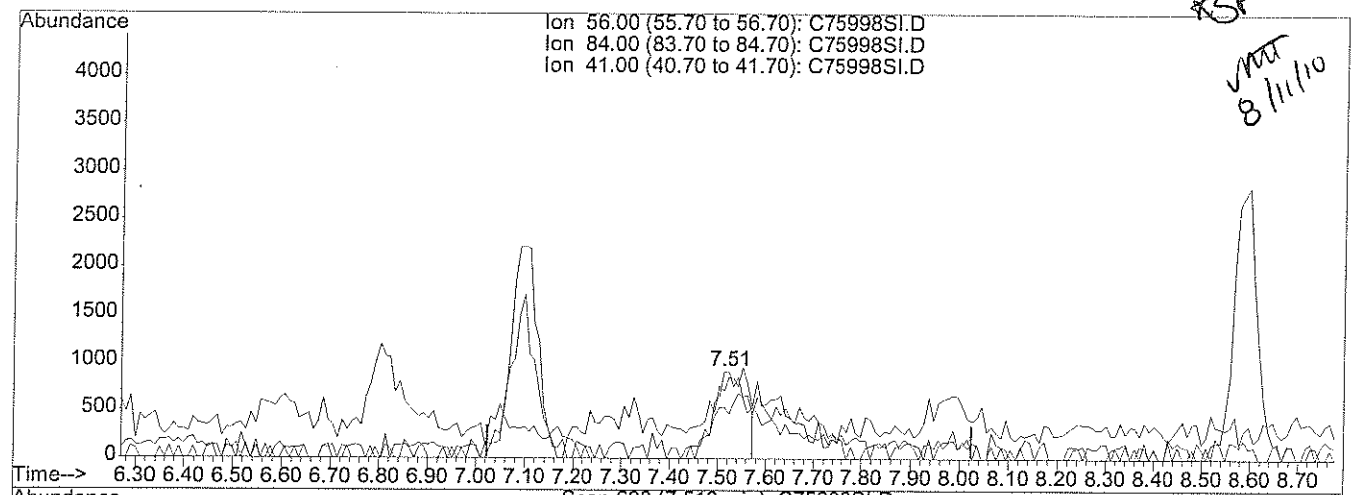
Ion	Exp%	Act%
119.00	100	100
117.00	101.10	104.77
0.00	0.00	0.00
0.00	0.00	0.00

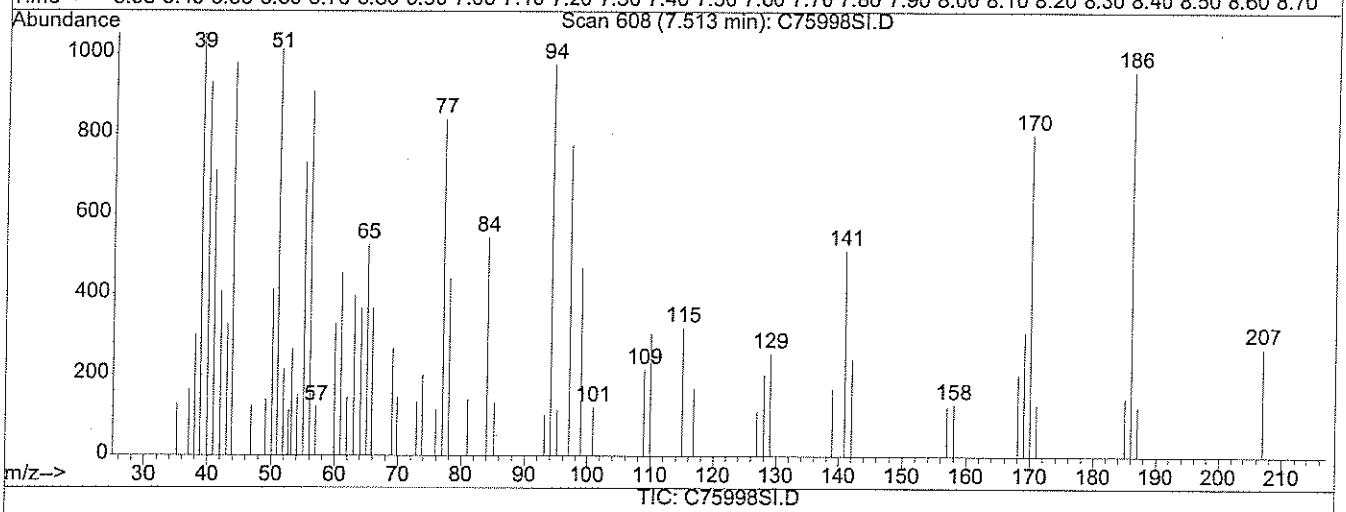
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08.11.10 TSP VMT 8/11/10





(44) Cyclohexane (T)

7.51min 0.39ug/L

response 4365

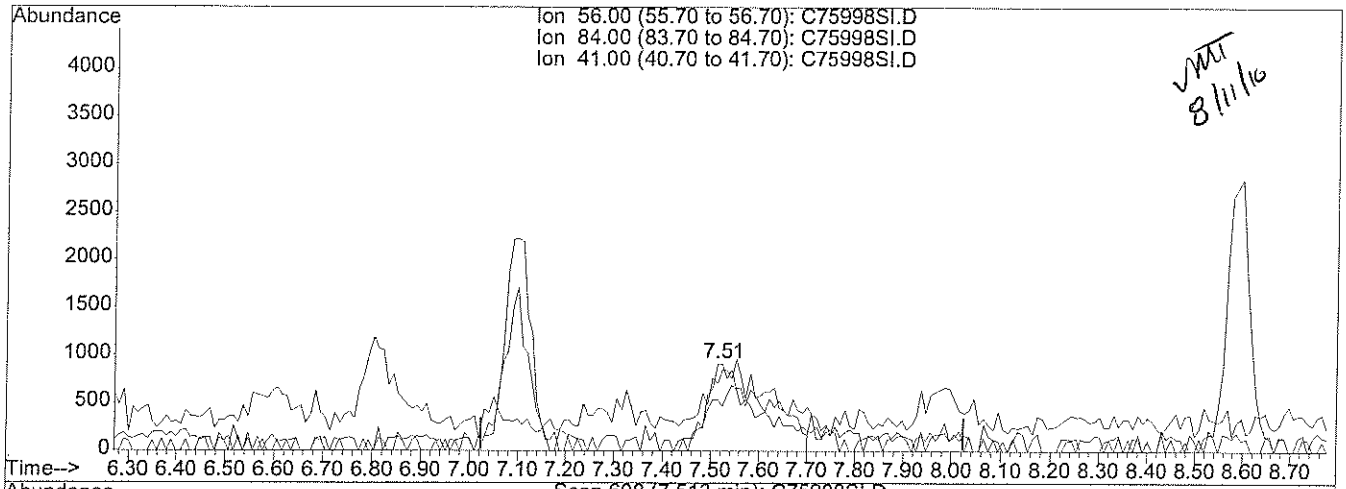
Ion	Exp%	Act%
56.00	100	100
84.00	102.90	109.05
41.00	85.20	47.31#
0.00	0.00	0.00

Quantitation Report (Qedit)

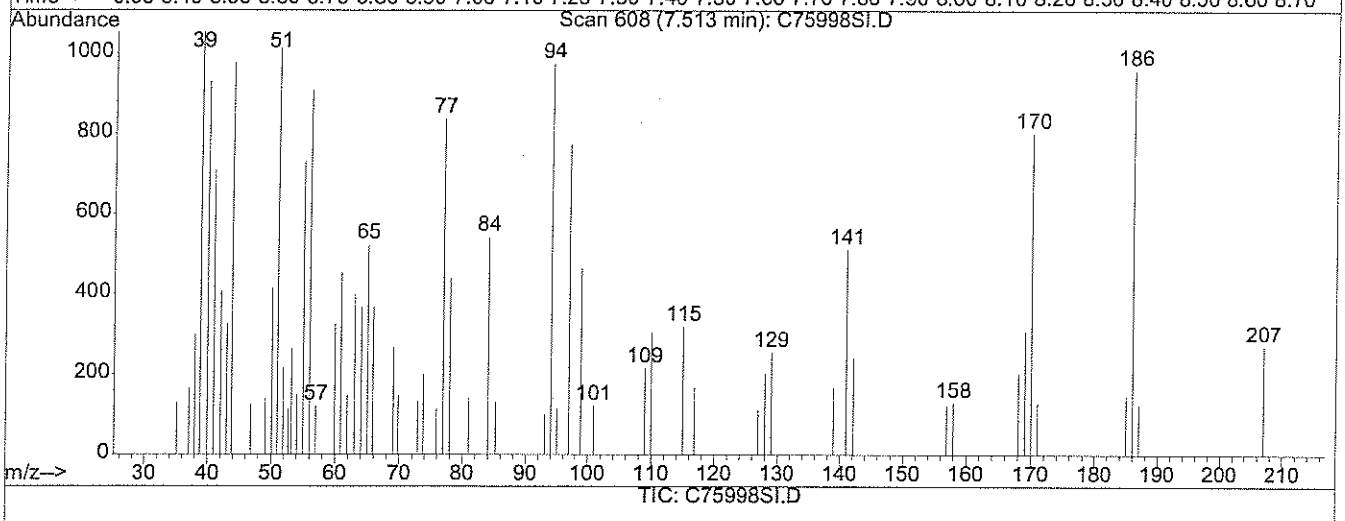
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08/11/10



VMT 8/11/16



(44) Cyclohexane (T)

7.51min 0.68ug/L m

response 7637

Ion	Exp%	Act%
56.00	100	100
84.00	102.90	62.33#
41.00	85.20	27.04#
0.00	0.00	0.00

C75998SI.D V808100C.M Tue Aug 10 13:13:39 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08-11-10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	198221	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.59	114	390972	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	340345	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	151939	20.00 ug/L	0.00

System Monitoring Compounds

28) DB Holder #28	7.98	65	154484	21.57 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 107.85%		
36) d4-1,2-Dichloroethane	7.98	65	154629	21.58 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 107.90%		
54) d8-Toluene	10.85	98	426995	17.57 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 87.85%		
73) Bromofluorobenzene	14.99	95	160133	15.83 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 79.15%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.68	85	9197	0.40 ug/L	98
3) Chloromethane	1.99	50	14076	1.58 ug/L	97
4) Vinyl Chloride	2.03	62	9435	1.42 ug/L	91
5) Bromomethane	2.51	94	6200	1.00 ug/L #	70
6) Chloroethane	2.59	64	6183	0.76 ug/L	84
7) t-Butyl alcohol (TBA)	3.98	59	4448m	8.69 ug/L	
8) Trichlorofluoromethane	2.92	101	12357	0.97 ug/L	80
9) Diethyl ether	3.33	74	3156	0.88 ug/L	85
10) 1,1,2-Trichlorotrifluoroet	3.51	101	6600m	0.96 ug/L	
11) Acrolein	3.48	56	3509	4.24 ug/L #	38
12) Acetone	3.59	43	18274	4.61 ug/L	92
13) 1,1-Dichloroethene	3.74	96	6902	1.06 ug/L #	85
14) Methyl iodide	4.20	142	4238	0.58 ug/L #	42
15) Di-isopropyl ether (DIPE)	5.58	45	33239	1.40 ug/L #	85
16) Methylene Chloride	4.49	84	11472	0.55 ug/L #	82
17) Carbon Disulfide	4.49	76	21447	0.92 ug/L #	91
18) Acrylonitrile	4.75	53	2964	1.08 ug/L #	76
19) Methyl-tert-butyl ether (M	4.84	73	11303	0.66 ug/L #	91
20) trans-1,2-Dichloroethene	5.00	61	12094	1.27 ug/L	80
21) 1,1-Dichloroethane	5.68	63	16602	1.39 ug/L	96
22) Vinyl acetate	5.74	43	12856	1.08 ug/L	99
23) Methyl ethyl ketone	6.42	72	3902	Below Cal #	89
24) Ethyl t-butyl ether (ETBE)	6.24	59	24043	1.16 ug/L #	83
25) 2,2-Dichloropropane	6.57	77	9139	1.08 ug/L	99
26) cis-1,2-Dichloroethene	6.65	96	8589	1.11 ug/L	94
27) t-Amyl methyl ether (TAME)	7.97	73	19212	1.01 ug/L #	87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08·11·10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	13962	0.96 ug/L	88
30)	Bromochloromethane	7.13	128	5842	0.23 ug/L #	74
31)	Tetrahydrofuran	7.27	71	1219	1.07 ug/L #	87
32)	1,1,1-Trichloroethane	7.52	97	10756	0.89 ug/L	83
33)	Ethanol	2.72	45	7953	56.23 ug/L #	84
34)	1,1-Dichloropropene	7.74	75	11439	1.13 ug/L	96
35)	Carbon Tetrachloride	7.91	119	5445	0.85 ug/L #	76
37)	1,2-Dichloroethane	8.13	62	9960	1.05 ug/L	94
38)	Benzene	8.12	78	27681	1.06 ug/L	99
40)	Trichloroethene	9.06	95	11064	1.09 ug/L #	49
41)	1,2-Dichloropropane	9.33	63	8155	1.05 ug/L	90
42)	Methylmethacrylate	9.47	69	5310	0.95 ug/L #	84
43)	Methyl acetate	4.31	43	15519	1.71 ug/L #	85
44)	Cyclohexane	7.53	56	12718	1.09 ug/L #	34
45)	Bromodichloromethane	9.67	83	8768	0.74 ug/L	88
46)	Dibromomethane	9.73	93	7151	1.05 ug/L	89
47)	1,4-Dioxane	9.76	88	2244	Below Cal #	42
48)	Methylcyclohexane	9.16	83	11470	0.81 ug/L #	72
50)	2-Chloroethylvinyl ether	10.18	63	4344	1.01 ug/L #	85
51)	2-Hexanone	11.54	58	15373	5.32 ug/L	73
52)	Methyl isobutyl ketone	10.23	58	17051	5.59 ug/L #	67
53)	cis-1,3-Dichloropropene	10.50	75	11780	0.88 ug/L	99
55)	Toluene	10.96	92	17342	0.87 ug/L #	78
56)	trans-1,3-Dichloropropene	11.27	75	11100	0.84 ug/L	91
58)	1,1,2-Trichloroethane	11.48	83	5265	0.78 ug/L	93
59)	1,3-Dichloropropane	11.87	76	12933	0.98 ug/L	97
60)	Tetrachloroethene	11.95	166	7499	0.93 ug/L	95
61)	Dibromochloromethane	12.24	129	6972	0.69 ug/L	83
62)	1,2-Dibromoethane	12.54	107	7506	0.91 ug/L	99
64)	Chlorobenzene	13.18	112	19398	1.08 ug/L	84
65)	1,1,1,2-Tetrachloroethane	13.26	131	6705	0.82 ug/L	90
66)	Ethylbenzene	13.27	91	30453	0.82 ug/L	87
67)	m,p-Xylene	13.40	106	24835	2.12 ug/L #	51
68)	o-Xylene	14.06	106	11948	1.05 ug/L #	60
69)	Styrene	14.12	104	20450	1.00 ug/L	74
70)	Bromoform	14.60	173	2885	0.59 ug/L	99
71)	Isopropylbenzene	14.62	105	30016	0.96 ug/L	82
72)	1,1,2,2-Tetrachloroethane	14.88	83	8942	0.85 ug/L	93
74)	1,2,3-Trichloropropane	15.10	75	8180	1.08 ug/L	95
75)	trans-1,4-Dichloro-2-buten	15.24	89	2389	0.76 ug/L #	28
76)	n-Propylbenzene	15.24	91	36642	0.83 ug/L	86

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08-11-10 VMT 8/11/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) Bromobenzene	15.28	156	7083	0.92 ug/L #	71
78) 1,3,5-Trimethylbenzene	15.50	105	25617	1.00 ug/L	87
79) 2-Chlorotoluene	15.50	91	22735	0.79 ug/L	83
80) 4-Chlorotoluene	15.57	91	21921	0.81 ug/L	71
81) tert-butylbenzene	16.04	119	22157	0.97 ug/L #	73
82) 1,2,4-Trimethylbenzene	16.11	105	27304	1.02 ug/L	77
83) Diisobutylketone	15.20	57	93436	5.33 ug/L #	77
84) sec-butylbenzene	16.37	105	34438	1.02 ug/L	89
85) p-isopropyltoluene	16.60	119	28305	0.99 ug/L	82
86) 1,3-Dichlorobenzene	16.72	146	12831	0.87 ug/L #	80
88) 1,4-Dichlorobenzene	16.89	146	13236	1.00 ug/L #	82
89) n-butylbenzene	17.25	91	25940	0.96 ug/L	79
90) 1,2-Dichlorobenzene	17.46	146	12128	1.02 ug/L #	75
92) 1,2-Dibromo-3-chloropropan	18.70	75	2314	0.71 ug/L	92
94) 1,2,4-Trichlorobenzene	20.10	180	9017	1.07 ug/L	99
95) Hexachlorobutadiene	20.35	225	4758	0.79 ug/L	97
96) Naphthalene	20.49	128	22523	1.04 ug/L	98
97) 1,2,3-Trichlorobenzene	20.90	180	8508	1.12 ug/L #	77
98) 1,3,5-Trichlorobenzene	19.09	180	8980	1.02 ug/L	92

(#) = qualifier out of range (m) = manual integration

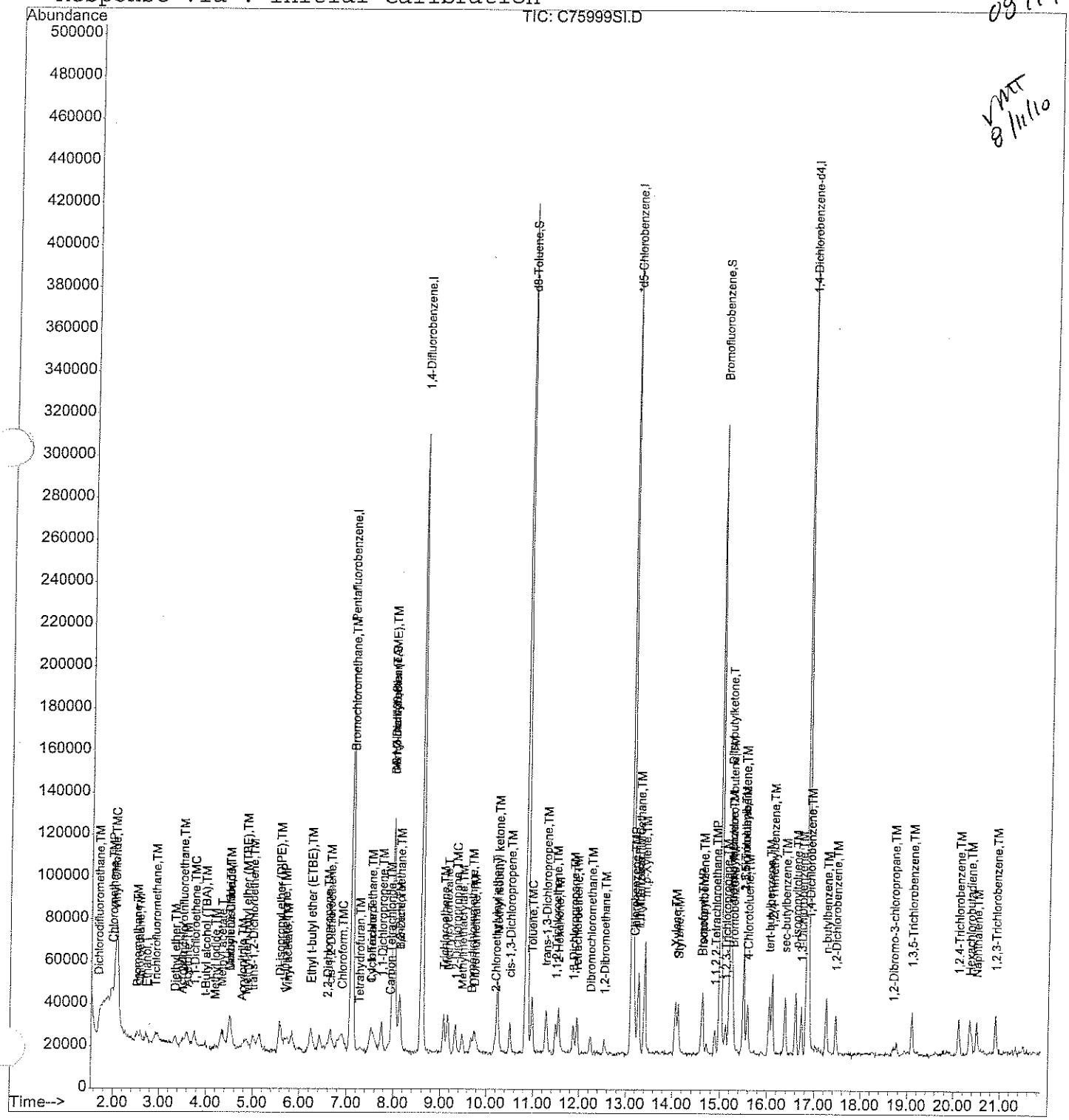
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JR 08.11.10

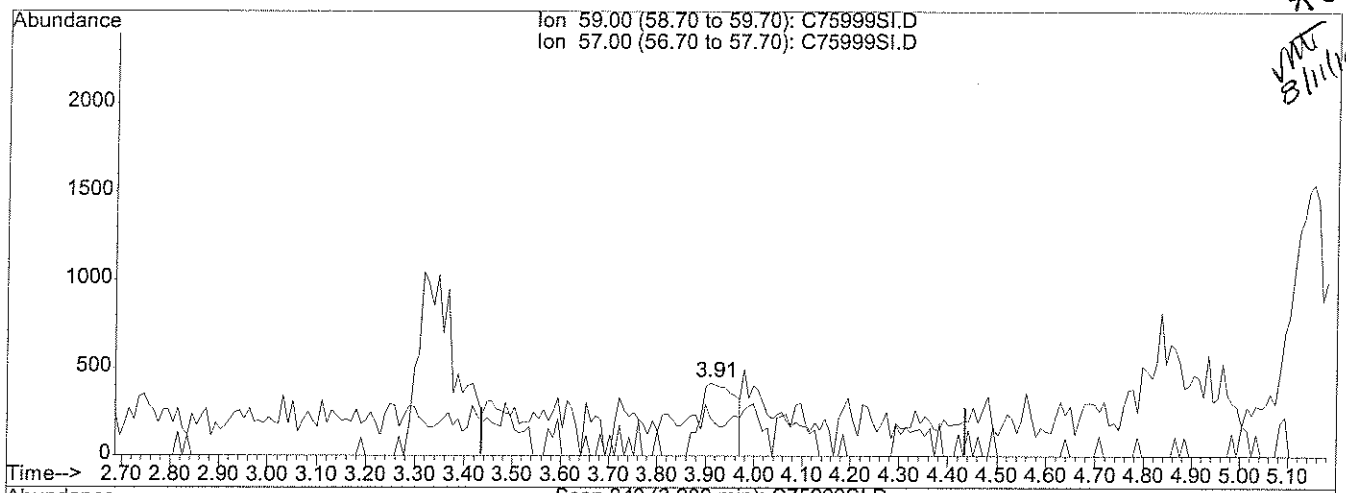
VMT 8/11/10

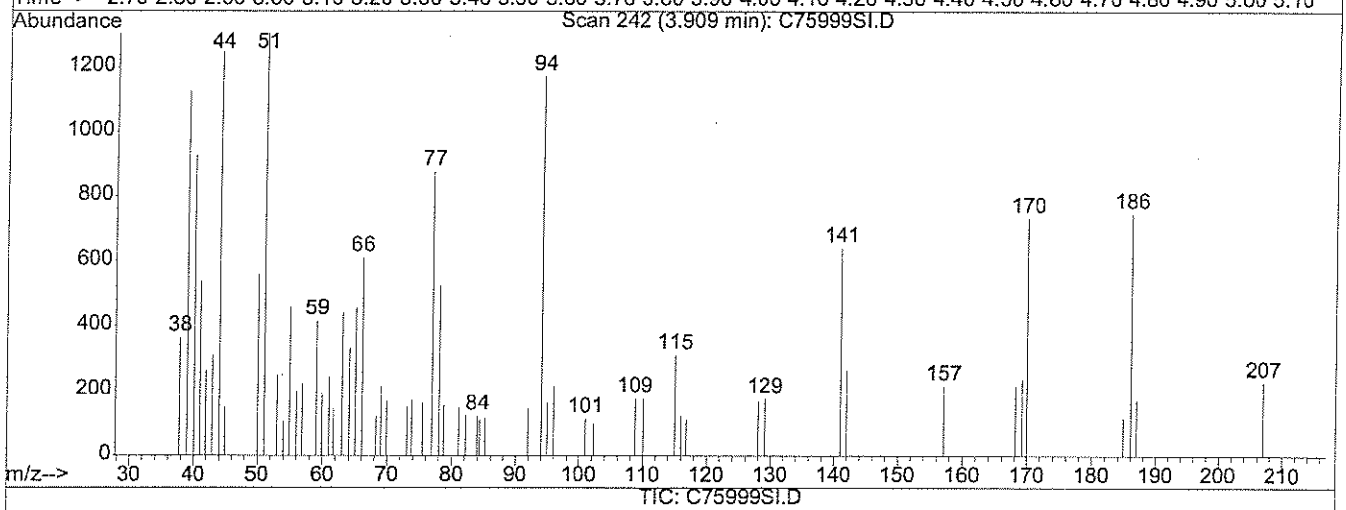


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:14 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





(7) t-Butyl alcohol (TBA) (TM)

3.91min 4.05ug/L

response 2075

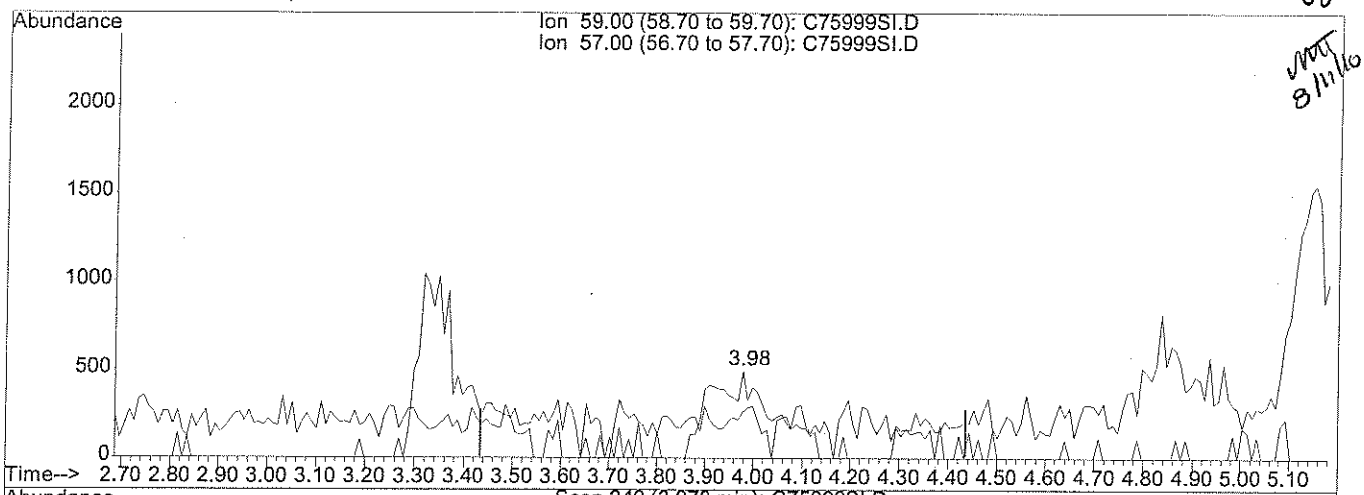
Ion	Exp%	Act%
59.00	100	100
57.00	8.10	7.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

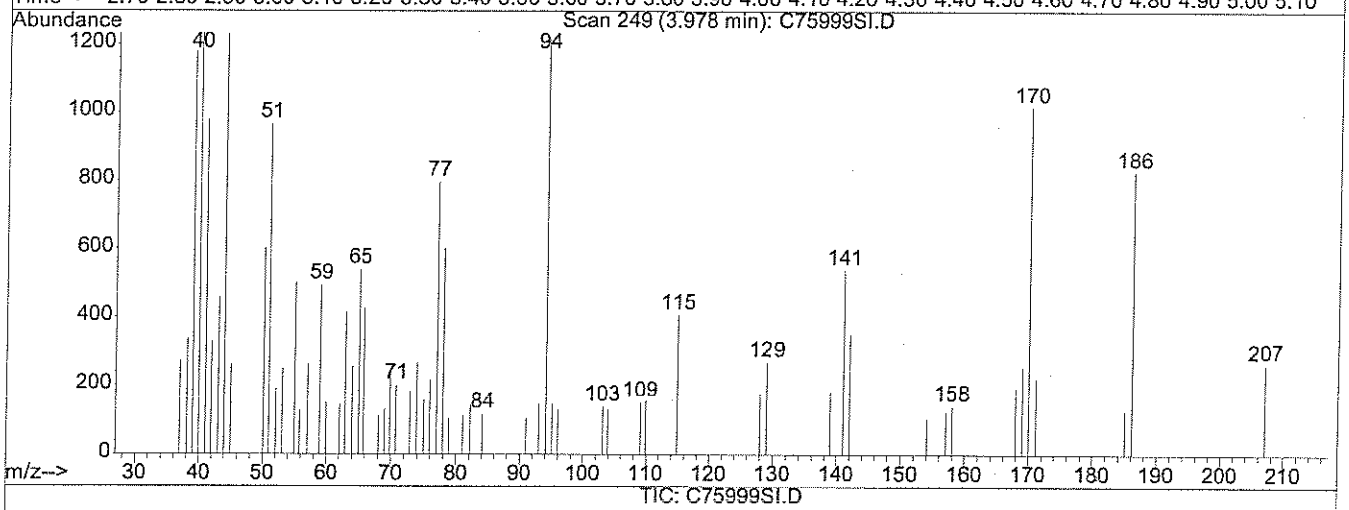
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:14 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08.11.10



MMT 8/11/10



(7) t-Butyl alcohol (TBA) (TM)

3.98min 8.69ug/L m

response 4448

Ion	Exp%	Act%
59.00	100	100
57.00	8.10	3.71#
0.00	0.00	0.00
0.00	0.00	0.00

C75999SI.D V808100C.M Tue Aug 10 13:14:54 2010

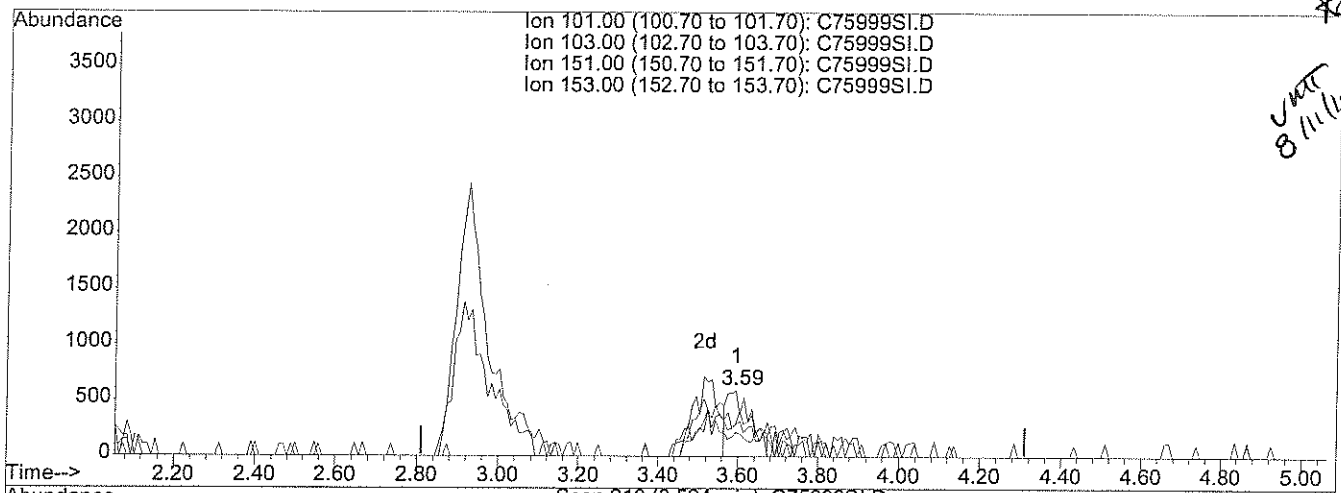
Quantitation Report (Qedit)

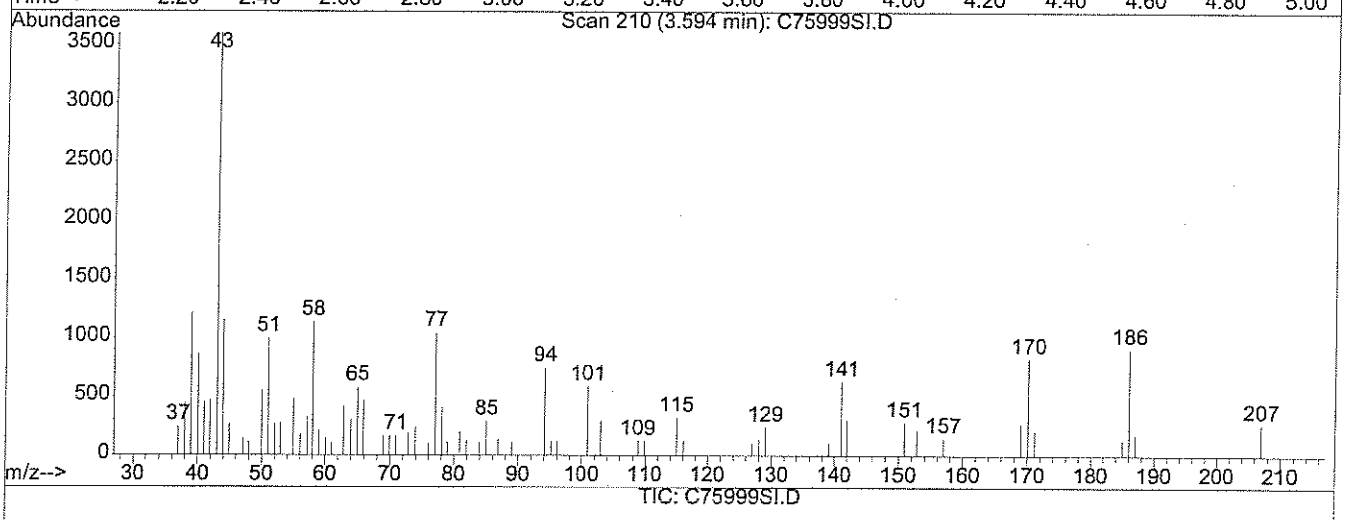
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:14 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08.11.10 TOP

VMT 8/11/10





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.59min 0.37ug/L

response 2526

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	32.90#
151.00	44.60	0.00#
153.00	24.40	0.00#

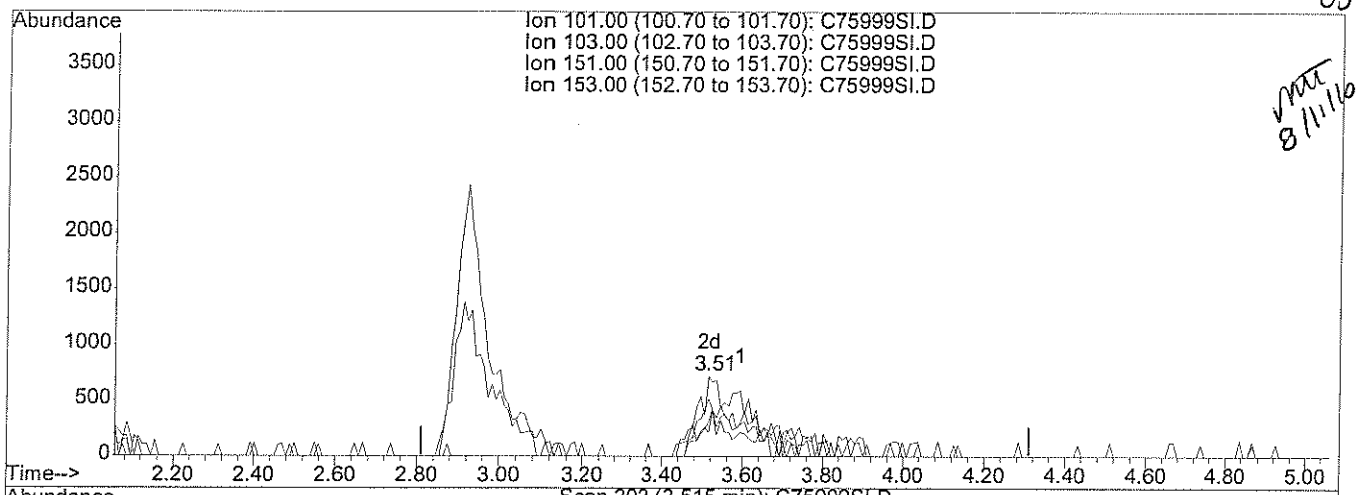
C75999SI.D V808100C.M Tue Aug 10 13:14:58 2010

Quantitation Report (Qedit)

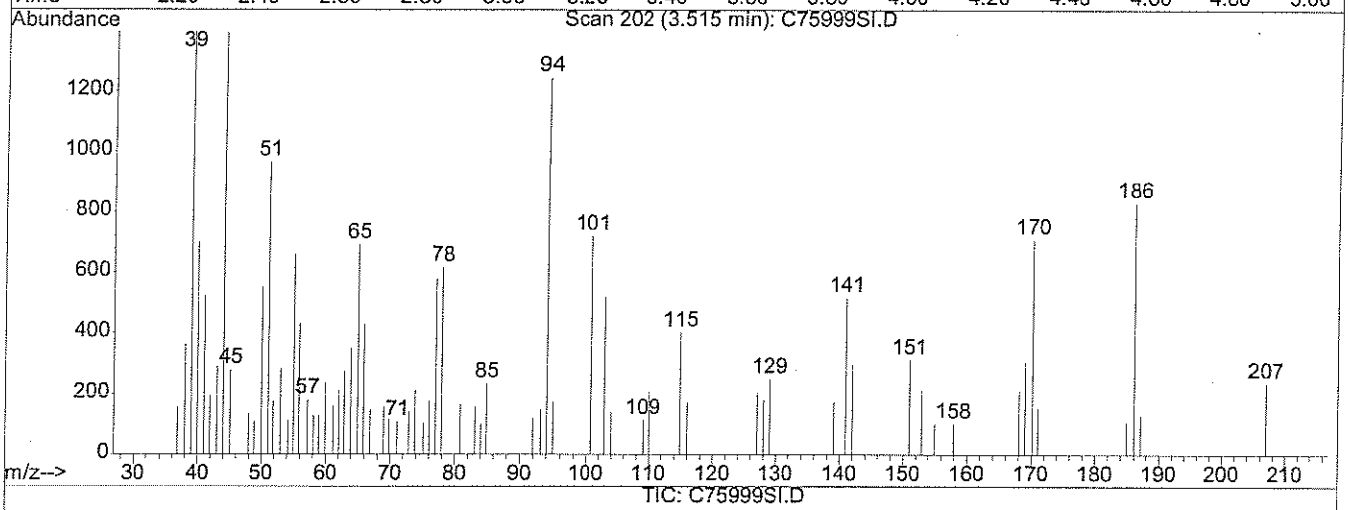
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

09.11.1



vmt 8/11/10



(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.51min 0.96ug/L m

response 6600

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	12.59#
151.00	44.60	0.00#
153.00	24.40	0.00#

C75999SI.D V808100C.M Tue Aug 10 13:15:11 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08.11.10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	201313	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.59	114	385421	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	340024	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	151871	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	149434	20.54 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.70%		
36) d4-1,2-Dichloroethane	7.98	65	150166	20.63 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 103.15%		
54) d8-Toluene	10.84	98	425581	17.76 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 88.80%		
73) Bromofluorobenzene	14.99	95	162485	16.08 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.40%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	14796	1.08 ug/L	95
3) Chloromethane	1.98	50	19678	2.22 ug/L	92
4) Vinyl Chloride	2.02	62	15136	2.25 ug/L	96
5) Bromomethane	2.52	94	7346	1.17 ug/L	90
6) Chloroethane	2.59	64	11576	1.96 ug/L	96
7) t-Butyl alcohol (TBA)	3.95	59	7319	14.08 ug/L #	84
8) Trichlorofluoromethane	2.92	101	20977	1.62 ug/L	100
9) Diethyl ether	3.34	74	6224	1.71 ug/L	89
10) 1,1,2-Trichlorotrifluoroet	3.54	101	13419m	1.92 ug/L	
11) Acrolein	3.47	56	5209	8.08 ug/L #	68
12) Acetone	3.58	43	31342	10.88 ug/L #	80
13) 1,1-Dichloroethene	3.76	96	13389	2.03 ug/L #	88
14) Methyl iodide	4.21	142	8450	1.14 ug/L #	51
15) Di-isopropyl ether (DIPE)	5.58	45	57168	2.37 ug/L #	86
16) Methylene Chloride	4.50	84	21759	1.96 ug/L #	83
17) Carbon Disulfide	4.47	76	42861	1.81 ug/L	98
18) Acrylonitrile	4.73	53	6788	2.43 ug/L #	80
19) Methyl-tert-butyl ether (M	4.86	73	23557	1.35 ug/L #	77
20) trans-1,2-Dichloroethene	4.99	61	21851	2.26 ug/L	79
21) 1,1-Dichloroethane	5.69	63	26125	2.15 ug/L	94
22) Vinyl acetate	5.73	43	19956	1.65 ug/L #	94
23) Methyl ethyl ketone	6.41	72	6350	3.43 ug/L #	88
24) Ethyl t-butyl ether (ETBE)	6.24	59	42465	2.02 ug/L #	83
25) 2,2-Dichloropropane	6.61	77	13234	1.54 ug/L	100
26) cis-1,2-Dichloroethene	6.64	96	15707	1.99 ug/L #	85
27) t-Amyl methyl ether (TAME)	7.97	73	36551	1.89 ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

08-01-10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	24420	1.65 ug/L	99
30)	Bromochloromethane	7.11	128	7595	0.76 ug/L #	74
31)	Tetrahydrofuran	7.26	71	2735m	3.20 ug/L	
32)	1,1,1-Trichloroethane	7.51	97	18179	1.48 ug/L	83
33)	Ethanol	2.72	45	12258	109.18 ug/L #	83
34)	1,1-Dichloropropene	7.74	75	20134	1.96 ug/L	97
35)	Carbon Tetrachloride	7.90	119	10974	1.69 ug/L	94
37)	1,2-Dichloroethane	8.13	62	17543	1.83 ug/L	90
38)	Benzene	8.12	78	48351	1.82 ug/L	96
40)	Trichloroethene	9.06	95	16346	1.63 ug/L #	26
41)	1,2-Dichloropropane	9.33	63	13524	1.77 ug/L	90
42)	Methylmethacrylate	9.47	69	11377	2.06 ug/L #	76
43)	Methyl acetate	4.31	43	21584	2.41 ug/L #	96
44)	Cyclohexane	7.54	56	23766	2.06 ug/L #	69
45)	Bromodichloromethane	9.68	83	16255	1.40 ug/L	99
46)	Dibromomethane	9.75	93	11669	1.74 ug/L #	77
47)	1,4-Dioxane	9.75	88	4356	6.96 ug/L #	64
48)	Methylcyclohexane	9.16	83	20637	1.47 ug/L #	80
50)	2-Chloroethylvinyl ether	10.17	63	7454	1.75 ug/L #	81
51)	2-Hexanone	11.54	58	26876	9.44 ug/L	81
52)	Methyl isobutyl ketone	10.23	58	28281	9.40 ug/L #	71
53)	cis-1,3-Dichloropropene	10.50	75	21655	1.64 ug/L	98
55)	Toluene	10.97	92	31694	1.62 ug/L #	79
56)	trans-1,3-Dichloropropene	11.26	75	19649	1.51 ug/L	90
58)	1,1,2-Trichloroethane	11.48	83	10044	1.52 ug/L	97
59)	1,3-Dichloropropane	11.86	76	21711	1.66 ug/L	93
60)	Tetrachloroethene	11.94	166	14307	1.79 ug/L	84
61)	Dibromochloromethane	12.23	129	13692	1.38 ug/L	87
62)	1,2-Dibromoethane	12.53	107	14011	1.72 ug/L	84
64)	Chlorobenzene	13.18	112	35489	1.98 ug/L #	81
65)	1,1,1,2-Tetrachloroethane	13.25	131	11790	1.44 ug/L	87
66)	Ethylbenzene	13.28	91	55692	1.51 ug/L	88
67)	m,p-Xylene	13.40	106	45032	3.86 ug/L #	49
68)	o-Xylene	14.06	106	22399	1.96 ug/L #	51
69)	Styrene	14.11	104	36793	1.80 ug/L	78
70)	Bromoform	14.60	173	6543	1.34 ug/L	91
71)	Isopropylbenzene	14.62	105	58688	1.87 ug/L	90
72)	1,1,2,2-Tetrachloroethane	14.88	83	17007	1.61 ug/L	95
74)	1,2,3-Trichloropropane	15.10	75	12985	1.71 ug/L #	86
75)	trans-1,4-Dichloro-2-buten	15.24	89	4529	1.44 ug/L #	26
76)	n-Propylbenzene	15.24	91	68692	1.55 ug/L	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JR 08.11.10
VMT 8/11/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) Bromobenzene	15.27	156	12373	1.60 ug/L #	85
78) 1,3,5-Trimethylbenzene	15.50	105	47109	1.85 ug/L	86
79) 2-Chlorotoluene	15.50	91	41778	1.45 ug/L	68
80) 4-Chlorotoluene	15.57	91	38454	1.43 ug/L	59
81) tert-butylbenzene	16.04	119	40743	1.79 ug/L #	77
82) 1,2,4-Trimethylbenzene	16.10	105	48187	1.80 ug/L	88
83) Diisobutylketone	15.19	57	174614	9.96 ug/L #	78
84) sec-butylbenzene	16.37	105	64346	1.90 ug/L	88
85) p-isopropyltoluene	16.60	119	50224	1.75 ug/L	82
86) 1,3-Dichlorobenzene	16.72	146	24843	1.69 ug/L #	75
88) 1,4-Dichlorobenzene	16.89	146	24790	1.87 ug/L #	81
89) n-butylbenzene	17.24	91	47346	1.76 ug/L	82
90) 1,2-Dichlorobenzene	17.45	146	22787	1.92 ug/L #	80
92) 1,2-Dibromo-3-chloropropan	18.70	75	3596	1.62 ug/L	96
94) 1,2,4-Trichlorobenzene	20.10	180	17129	2.03 ug/L	94
95) Hexachlorobutadiene	20.35	225	8712	1.45 ug/L	98
96) Naphthalene	20.49	128	42263	1.94 ug/L	98
97) 1,2,3-Trichlorobenzene	20.90	180	14887	1.97 ug/L	82
98) 1,3,5-Trichlorobenzene	19.09	180	19122	2.17 ug/L	96

(#) = qualifier out of range (m) = manual integration

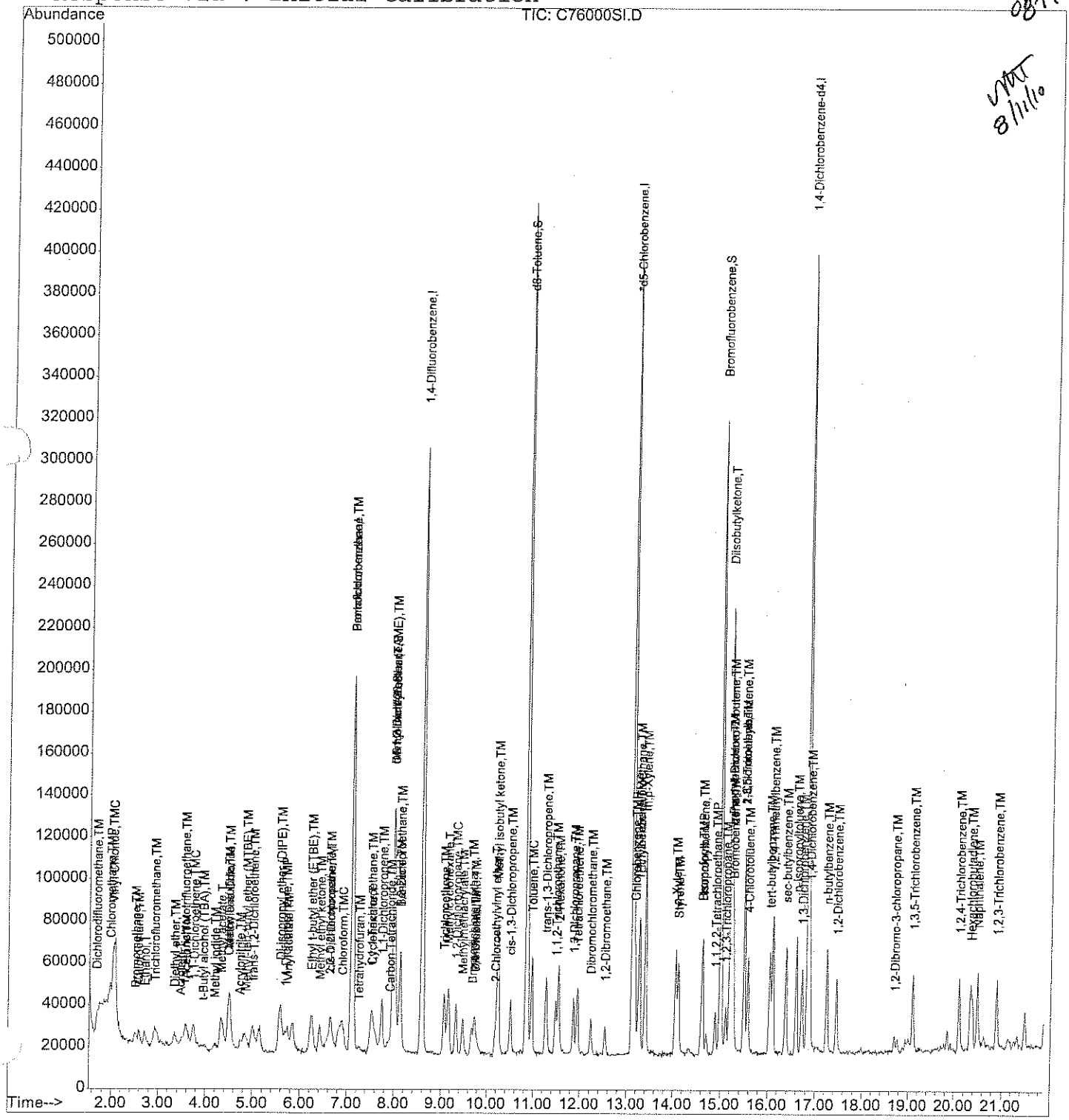
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JK 08-11-11

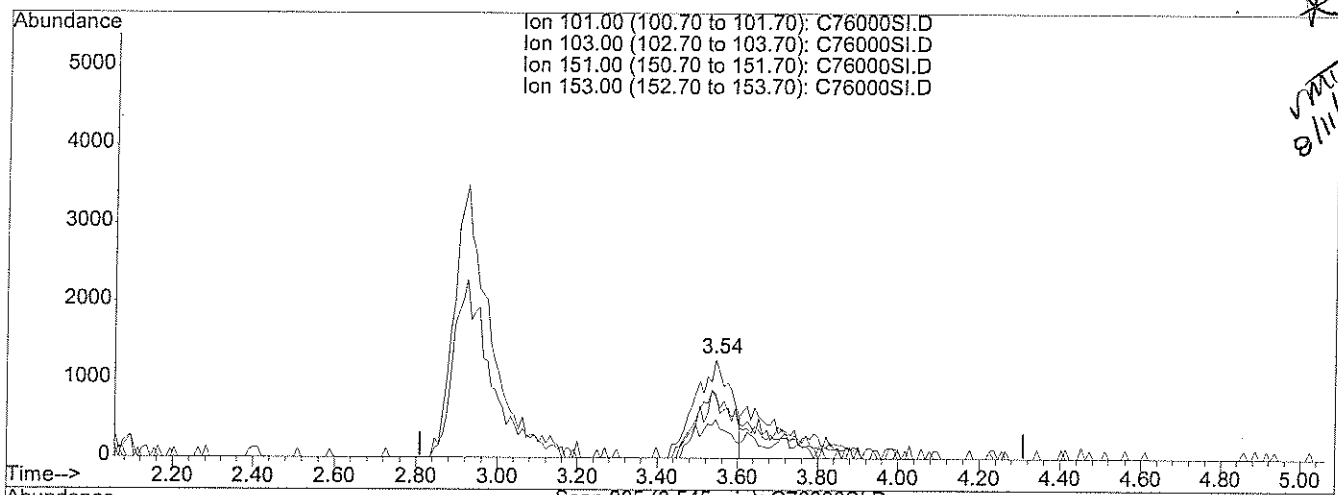
VPT 8/11/10

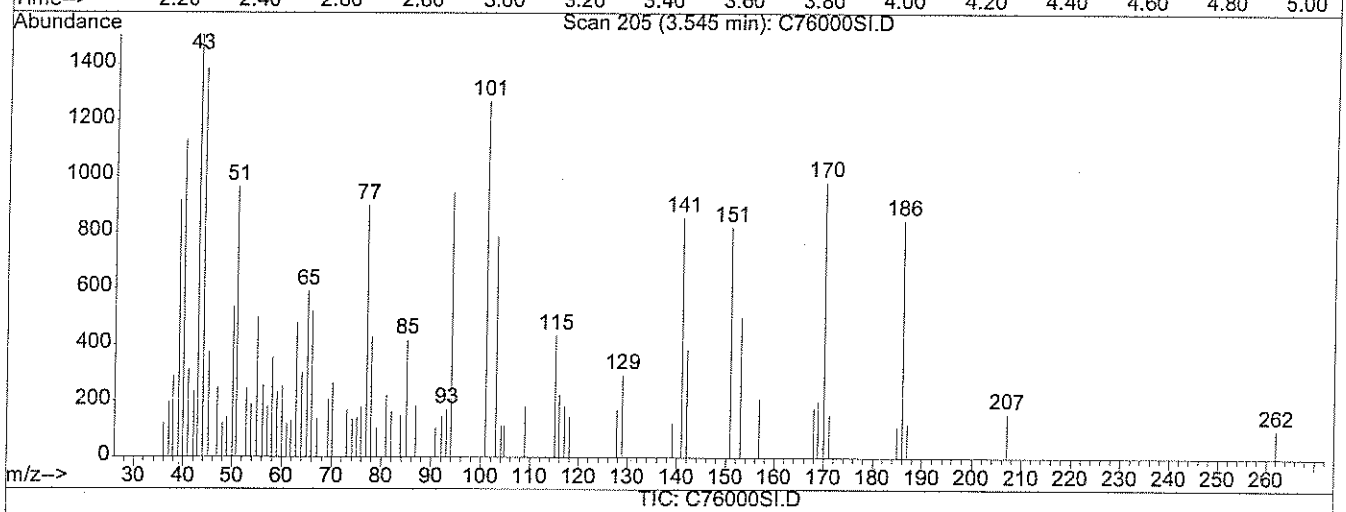


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:32 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





TIC: C76000SI.D

(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.54min 1.12ug/L

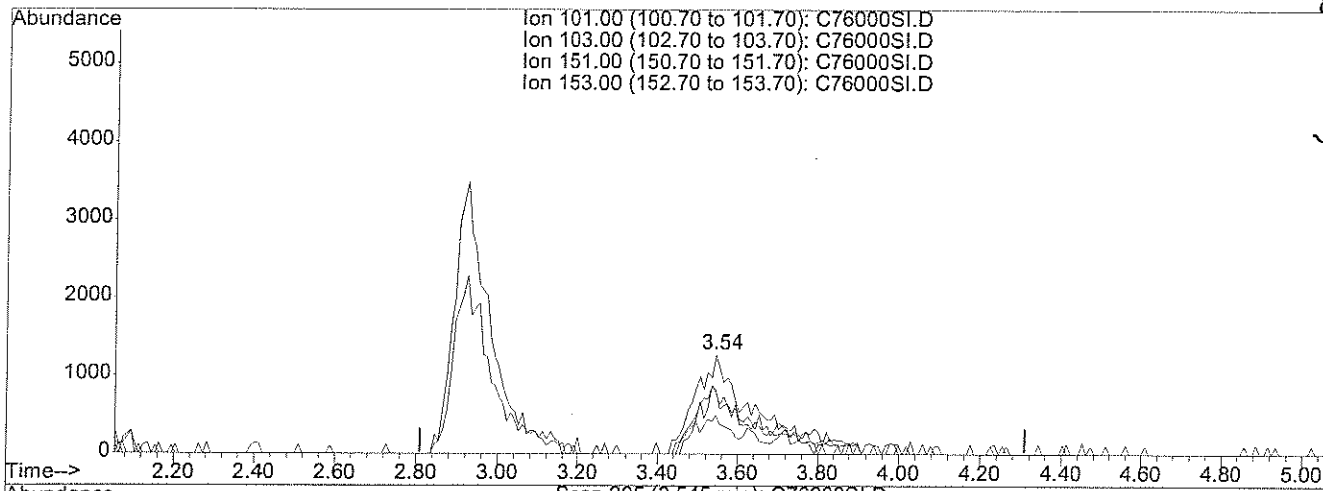
response 7842

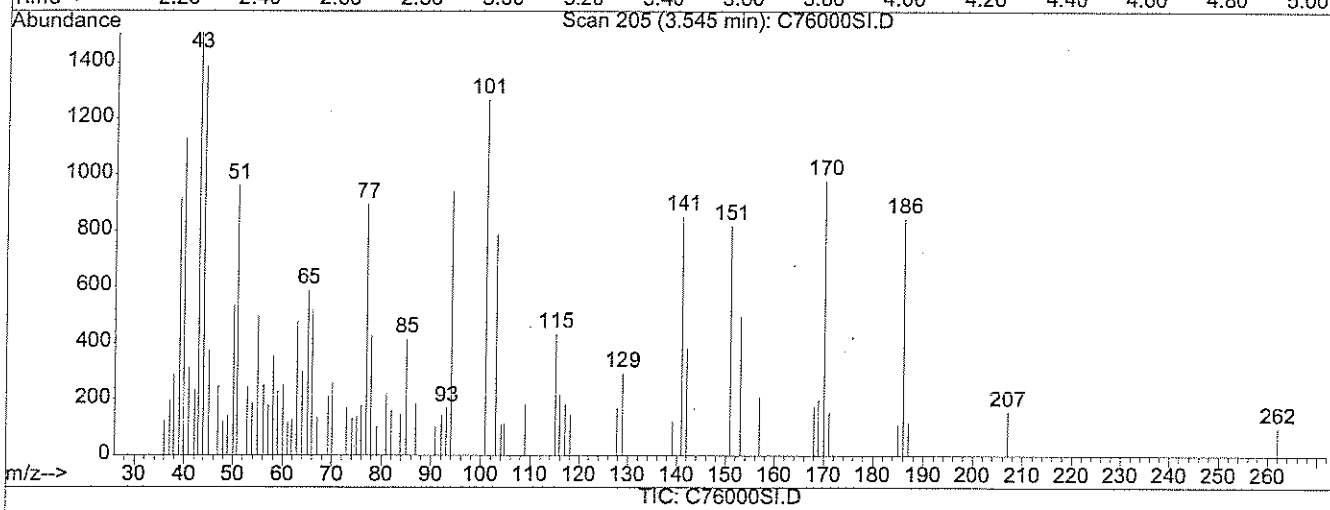
Ion	Exp%	Act%
101.00	100	100
103.00	57.00	80.57#
151.00	44.60	70.07#
153.00	24.40	22.63

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:32 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.54min 1.92ug/L m

response 13419

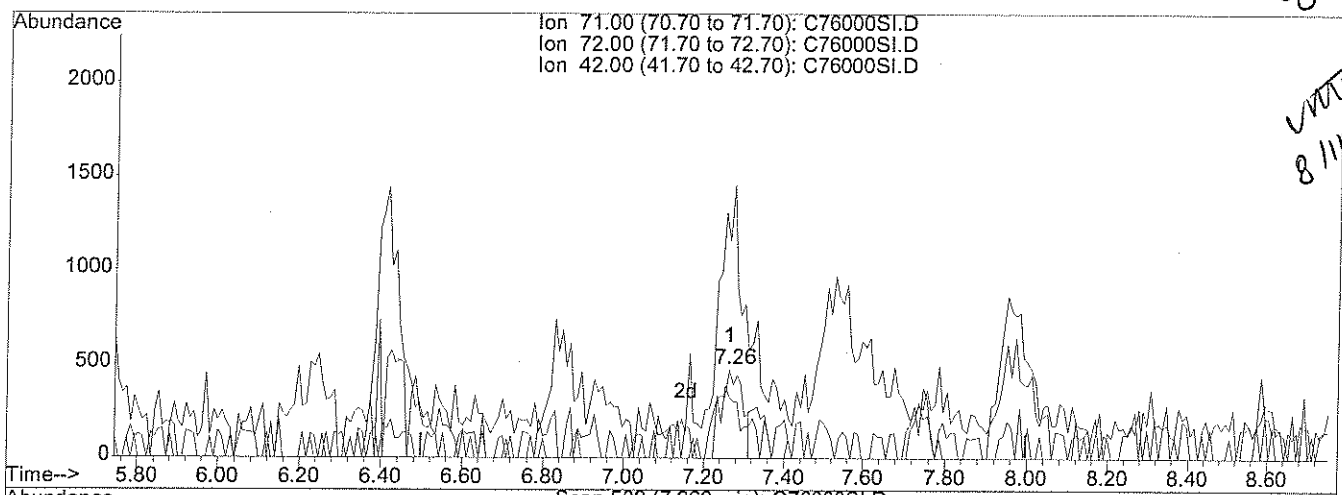
Ion	Exp%	Act%
101.00	100	100
103.00	57.00	47.08
151.00	44.60	40.95
153.00	24.40	13.23#

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:32 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 08.11.10 *SP VMT 8/11/10



(31) Tetrahydrofuran (TM)

7.26min 2.27ug/L

response 2083

Ion	Exp%	Act%
71.00	100	100
72.00	87.30	60.97#
42.00	272.10	268.75
0.00	0.00	0.00

C76000SI.D V808100C.M Tue Aug 10 13:33:03 2010

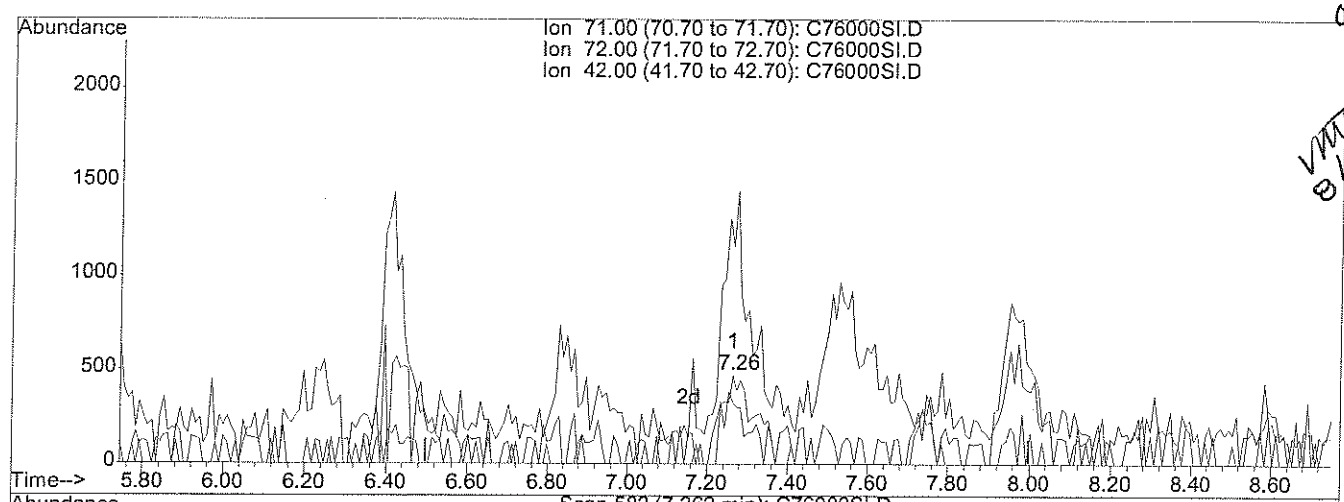
Quantitation Report (Qedit)

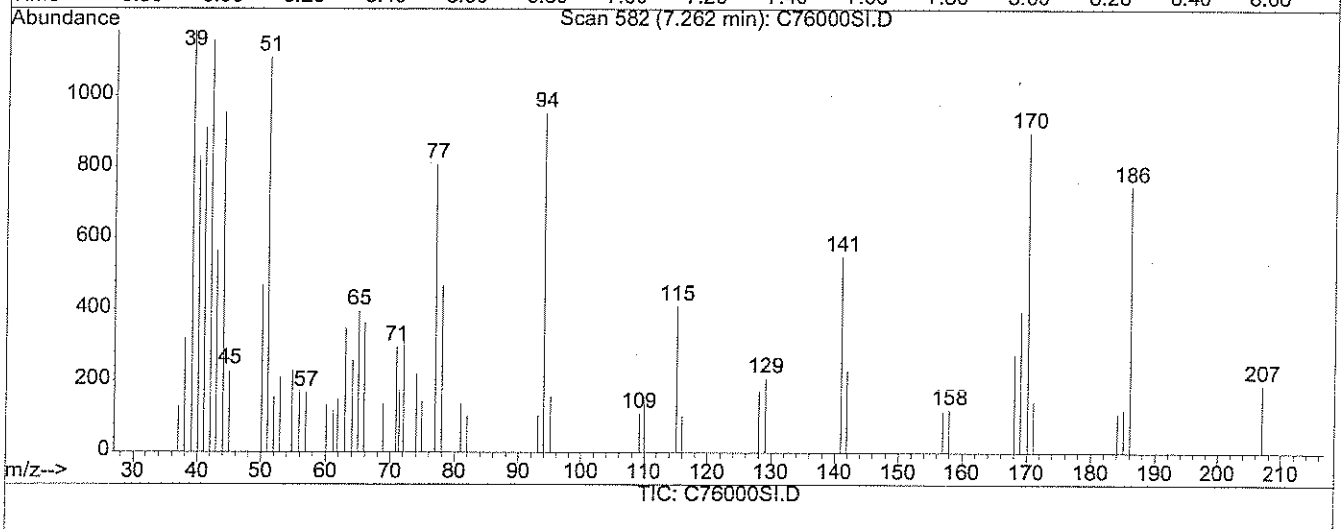
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 09.21.10

VMT 8/11/10





(31) Tetrahydrofuran (TM)

7.26min 3.20ug/L m

response 2735

Ion	Exp%	Act%
71.00	100	100
72.00	87.30	46.44#
42.00	272.10	204.68#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08/11/10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	191436	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	377072	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.11	117	326733	20.00 ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	146462	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	146343	21.16 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.80%		
36) d4-1,2-Dichloroethane	7.98	65	146343	21.14 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 105.70%		
54) d8-Toluene	10.85	98	413991	17.66 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 88.30%		
73) Bromofluorobenzene	14.99	95	155961	16.06 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.30%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.69	85	34899	3.79 ug/L	96
3) Chloromethane	1.97	50	51355	6.33 ug/L	96
4) Vinyl Chloride	2.02	62	36194	5.66 ug/L	92
5) Bromomethane	2.50	94	20284	3.39 ug/L	94
6) Chloroethane	2.59	64	28010	6.00 ug/L	92
7) t-Butyl alcohol (TBA)	3.94	59	17231	34.86 ug/L #	90
8) Trichlorofluoromethane	2.91	101	54024	4.40 ug/L	98
9) Diethyl ether	3.32	74	13244	3.83 ug/L	89
10) 1,1,2-Trichlorotrifluoroet	3.52	101	28298m	4.27 ug/L	
11) Acrolein	3.48	56	7754	14.94 ug/L #	67
12) Acetone	3.58	43	63883	28.45 ug/L #	81
13) 1,1-Dichloroethene	3.74	96	25742	4.10 ug/L	88
14) Methyl iodide	4.19	142	18608	2.63 ug/L #	39
15) Di-isopropyl ether (DIPE)	5.58	45	121006	5.28 ug/L #	85
16) Methylene Chloride	4.51	84	33087	3.78 ug/L #	74
17) Carbon Disulfide	4.48	76	88956	3.95 ug/L #	91
18) Acrylonitrile	4.72	53	15408	5.81 ug/L #	87
19) Methyl-tert-butyl ether (M	4.84	73	69083	4.16 ug/L	99
20) trans-1,2-Dichloroethene	4.99	61	42711	4.64 ug/L	87
21) 1,1-Dichloroethane	5.69	63	54200	4.69 ug/L	90
22) Vinyl acetate	5.73	43	49691	4.31 ug/L #	93
23) Methyl ethyl ketone	6.40	72	15588	19.67 ug/L #	94
24) Ethyl t-butyl ether (ETBE)	6.23	59	89051	4.45 ug/L #	80
25) 2,2-Dichloropropane	6.60	77	33253	4.06 ug/L	97
26) cis-1,2-Dichloroethene	6.65	96	30585	4.08 ug/L	86
27) t-Amyl methyl ether (TAME)	7.97	73	72899	3.97 ug/L	90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.89	83	49918	3.56 ug/L	94
30)	Bromochloromethane	7.13	128	15532	3.59 ug/L #	86
31)	Tetrahydrofuran	7.26	71	5489	7.51 ug/L	82
32)	1,1,1-Trichloroethane	7.51	97	40362	3.46 ug/L #	78
33)	Ethanol	2.71	45	28901	338.84 ug/L #	90
34)	1,1-Dichloropropene	7.74	75	39235	4.02 ug/L	93
35)	Carbon Tetrachloride	7.89	119	23214	3.76 ug/L	99
37)	1,2-Dichloroethane	8.12	62	42684	4.68 ug/L	99
38)	Benzene	8.12	78	102632	4.07 ug/L	97
40)	Trichloroethene	9.06	95	33611	3.42 ug/L #	44
41)	1,2-Dichloropropane	9.33	63	29921	4.01 ug/L	99
42)	Methylmethacrylate	9.47	69	22646	4.19 ug/L #	80
43)	Methyl acetate	4.31	43	38872	4.44 ug/L #	91
44)	Cyclohexane	7.54	56	50606	4.49 ug/L #	70
45)	Bromodichloromethane	9.67	83	33909	2.98 ug/L	99
46)	Dibromomethane	9.73	93	23222	3.55 ug/L #	80
47)	1,4-Dioxane	9.73	88	10059	71.51 ug/L #	75
48)	Methylcyclohexane	9.15	83	44379	3.24 ug/L #	82
50)	2-Chloroethylvinyl ether	10.18	63	16489	3.96 ug/L	91
51)	2-Hexanone	11.54	58	61152	21.96 ug/L	76
52)	Methyl isobutyl ketone	10.23	58	64623	21.95 ug/L #	64
53)	cis-1,3-Dichloropropene	10.50	75	44726	3.46 ug/L	96
55)	Toluene	10.96	92	64483	3.37 ug/L	87
56)	trans-1,3-Dichloropropene	11.26	75	41479	3.27 ug/L	88
58)	1,1,2-Trichloroethane	11.48	83	20834	3.22 ug/L	96
59)	1,3-Dichloropropane	11.86	76	43036	3.37 ug/L	96
60)	Tetrachloroethene	11.94	166	36401	4.66 ug/L	94
61)	Dibromochloromethane	12.23	129	28362	2.91 ug/L	98
62)	1,2-Dibromoethane	12.53	107	30015	3.77 ug/L	99
64)	Chlorobenzene	13.17	112	74063	4.31 ug/L	86
65)	1,1,1,2-Tetrachloroethane	13.25	131	26348	3.36 ug/L	95
66)	Ethylbenzene	13.27	91	117180	3.31 ug/L	81
67)	m,p-Xylene	13.39	106	94234	8.40 ug/L #	54
68)	o-Xylene	14.05	106	46837	4.27 ug/L #	50
69)	Styrene	14.11	104	81579	4.15 ug/L	73
70)	Bromoform	14.59	173	15372	3.27 ug/L	100
71)	Isopropylbenzene	14.61	105	121480	4.03 ug/L	90
72)	1,1,2,2-Tetrachloroethane	14.88	83	35172	3.47 ug/L	95
74)	1,2,3-Trichloropropane	15.11	75	27158	3.73 ug/L	96
75)	trans-1,4-Dichloro-2-buten	15.23	89	8939	2.96 ug/L #	37
76)	n-Propylbenzene	15.23	91	141389	3.32 ug/L	88

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08·11·10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	27899	3.76 ug/L #	76
78)	1,3,5-Trimethylbenzene	15.49	105	98322	4.02 ug/L	84
79)	2-Chlorotoluene	15.49	91	90789	3.28 ug/L	67
80)	4-Chlorotoluene	15.58	91	81217	3.14 ug/L	73
81)	tert-butylbenzene	16.04	119	82992	3.79 ug/L #	74
82)	1,2,4-Trimethylbenzene	16.10	105	102295	3.98 ug/L	85
83)	Diisobutylketone	15.19	57	360503	21.40 ug/L #	80
84)	sec-butylbenzene	16.38	105	135212	4.16 ug/L	87
85)	p-isopropyltoluene	16.60	119	104666	3.80 ug/L	83
86)	1,3-Dichlorobenzene	16.71	146	48912	3.47 ug/L #	83
88)	1,4-Dichlorobenzene	16.88	146	51429	4.03 ug/L #	83
89)	n-butylbenzene	17.25	91	100866	3.89 ug/L	67
90)	1,2-Dichlorobenzene	17.45	146	46677	4.07 ug/L #	82
92)	1,2-Dibromo-3-chloropropan	18.71	75	7238	4.41 ug/L	86
94)	1,2,4-Trichlorobenzene	20.11	180	36632	4.50 ug/L	98
95)	Hexachlorobutadiene	20.35	225	17165	2.97 ug/L	99
96)	Naphthalene	20.49	128	91457	4.36 ug/L	99
97)	1,2,3-Trichlorobenzene	20.89	180	31991	4.38 ug/L	85
98)	1,3,5-Trichlorobenzene	19.09	180	37894	4.46 ug/L	99

(#) = qualifier out of range (m) = manual integration

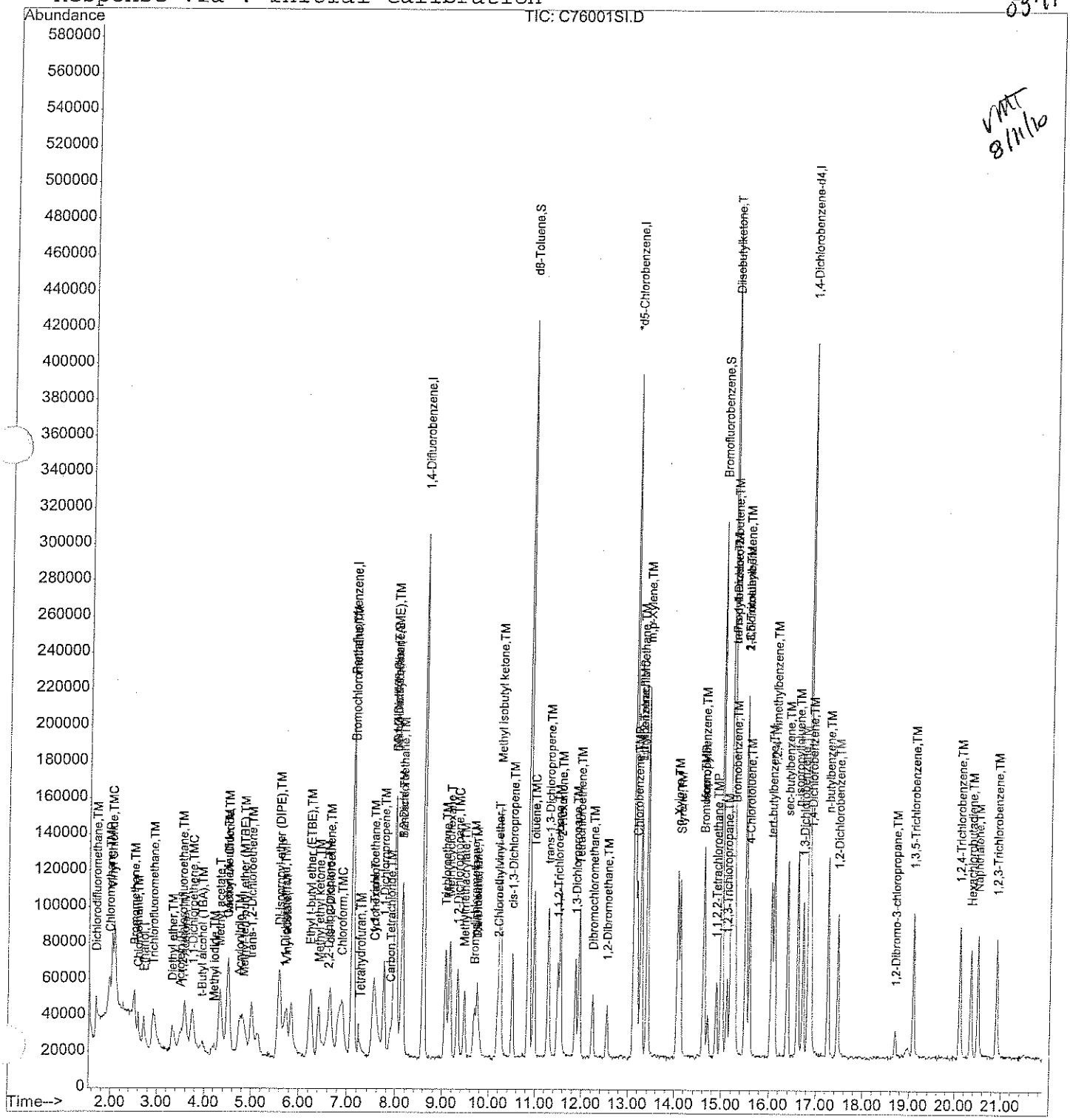
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

SL 03.11.10

VMT 8/11/10



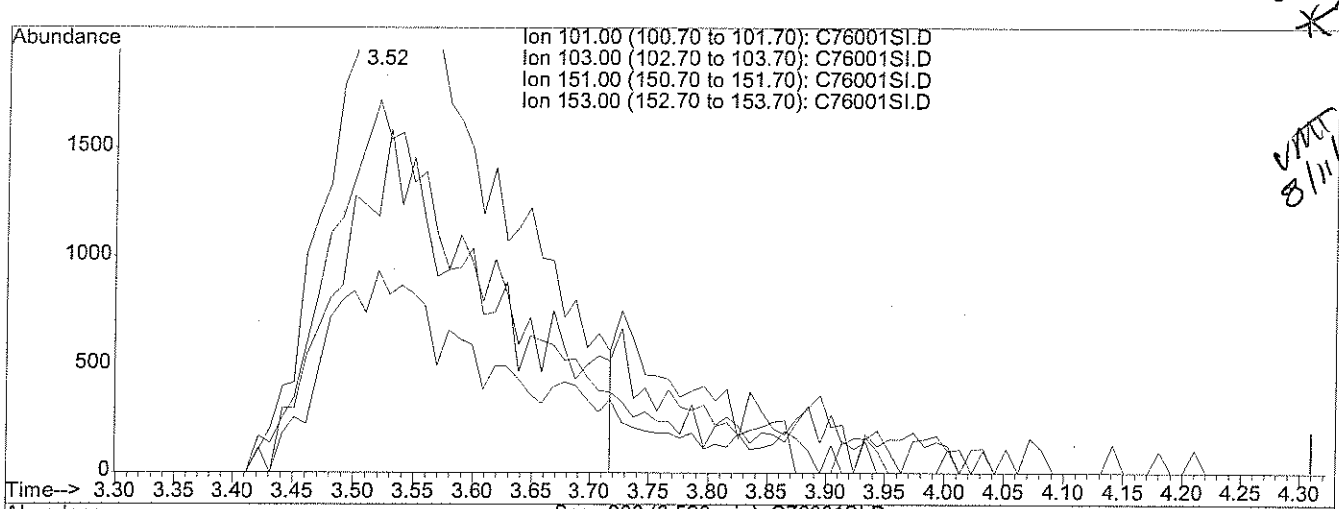
Quantitation Report (Qedit)

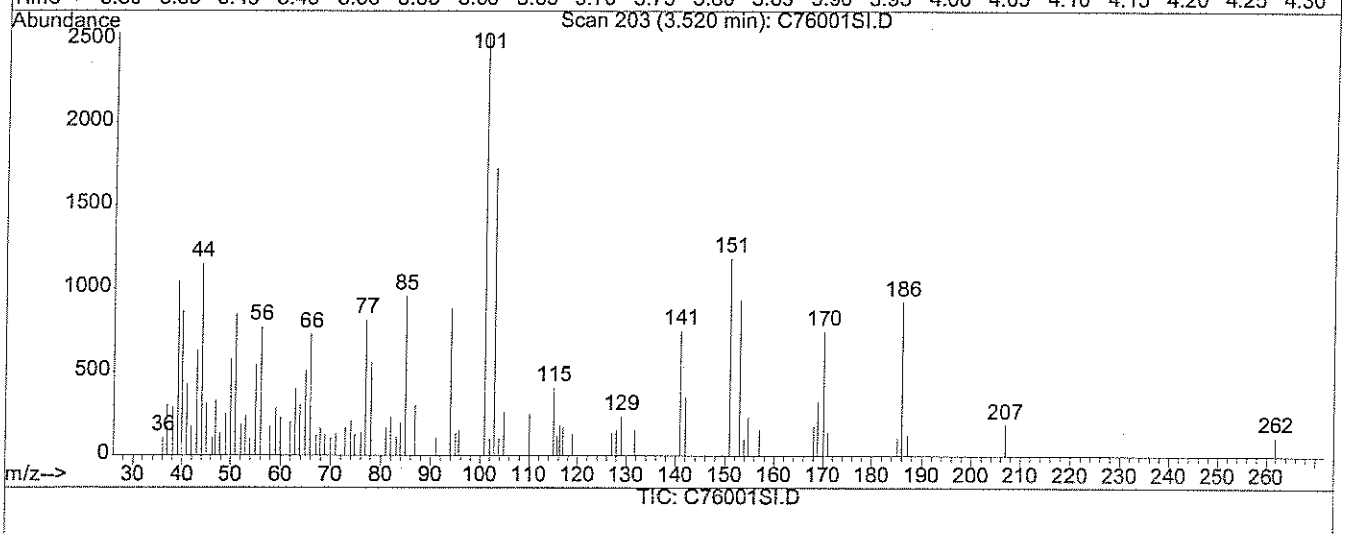
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JR 08-11-10 *Tailing

VMT 8/11/10





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.52min 3.63ug/L

response 24082

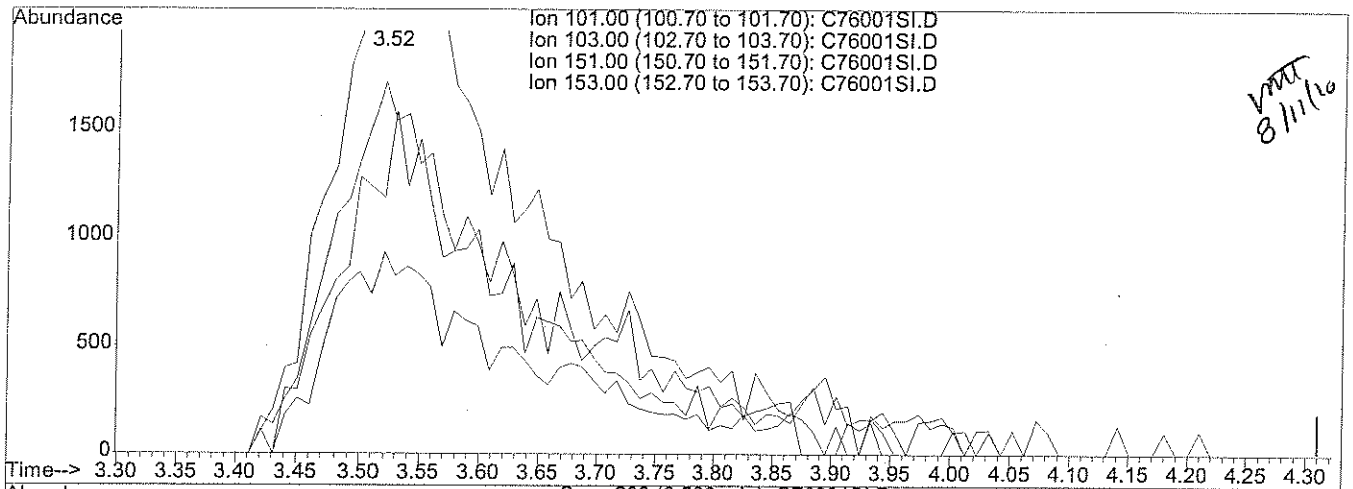
Ion	Exp%	Act%
101.00	100	100
103.00	57.00	57.93
151.00	44.60	35.84
153.00	24.40	22.02

Quantitation Report (Qedit)

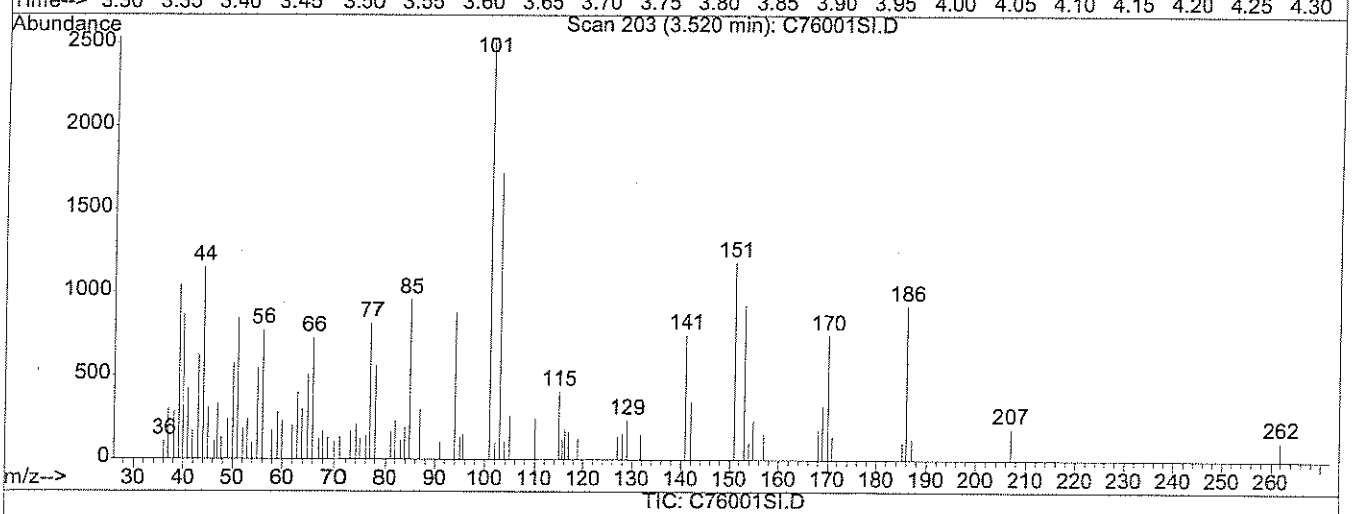
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 08-11-10



VMT 8/11/10



(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.52min 4.27ug/L m

response 28298

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	49.30
151.00	44.60	30.50#
153.00	24.40	18.74#

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

08-1-10 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	196981	20.00 ug/L	-0.02
39) 1,4-Difluorobenzene	8.59	114	387499	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	343169	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	149841	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	156525	21.99 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 109.95%		
36) d4-1,2-Dichloroethane	7.98	65	156692	22.00 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 110.00%		
54) d8-Toluene	10.85	98	430548	17.87 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 89.35%		
73) Bromofluorobenzene	14.99	95	163609	16.04 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.20%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	143775	17.44 ug/L	99
3) Chloromethane	1.97	50	194977	25.21 ug/L	95
4) Vinyl Chloride	2.02	62	142166	21.60 ug/L	95
5) Bromomethane	2.49	94	114196	18.54 ug/L	95
6) Chloroethane	2.59	64	108977	24.54 ug/L	89
7) t-Butyl alcohol (TBA)	3.92	59	60998	119.92 ug/L #	89
8) Trichlorofluoromethane	2.90	101	229734	18.18 ug/L	97
9) Diethyl ether	3.32	74	70160	19.70 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.52	101	125850	18.44 ug/L #	90
11) Acrolein	3.46	56	41435	94.63 ug/L	97
12) Acetone	3.56	43	264926	128.30 ug/L #	81
13) 1,1-Dichloroethene	3.74	96	116593	18.03 ug/L	86
14) Methyl iodide	4.18	142	123337	16.95 ug/L #	40
15) Di-isopropyl ether (DIPE)	5.58	45	567076	24.04 ug/L #	85
16) Methylene Chloride	4.50	84	136672	18.39 ug/L #	72
17) Carbon Disulfide	4.48	76	416926	17.99 ug/L	100
18) Acrylonitrile	4.72	53	64777	23.73 ug/L	96
19) Methyl-tert-butyl ether (M	4.82	73	300829	17.61 ug/L #	90
20) trans-1,2-Dichloroethene	4.99	61	199923	21.10 ug/L	88
21) 1,1-Dichloroethane	5.68	63	243519	20.46 ug/L	94
22) Vinyl acetate	5.73	43	258759	21.83 ug/L #	94
23) Methyl ethyl ketone	6.39	72	69867	108.64 ug/L	94
24) Ethyl t-butyl ether (ETBE)	6.23	59	423941	20.58 ug/L #	81
25) 2,2-Dichloropropane	6.58	77	147495	17.52 ug/L	98
26) cis-1,2-Dichloroethene	6.65	96	147166	19.06 ug/L #	86
27) t-Amyl methyl ether (TAME)	7.96	73	336881	17.83 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	233484	16.17 ug/L	96
30)	Bromochloromethane	7.12	128	65241	19.89 ug/L	88
31)	Tetrahydrofuran	7.24	71	16719	23.57 ug/L	84
32)	1,1,1-Trichloroethane	7.53	97	190754	15.88 ug/L	83
33)	Ethanol	2.71	45	125574	1579.25 ug/L #	90
34)	1,1-Dichloropropene	7.74	75	182766	18.22 ug/L	94
35)	Carbon Tetrachloride	7.89	119	118707	18.69 ug/L	99
37)	1,2-Dichloroethane	8.12	62	182181	19.41 ug/L	97
38)	Benzene	8.13	78	468573	18.05 ug/L	97
40)	Trichloroethene	9.06	95	149187	14.77 ug/L #	48
41)	1,2-Dichloropropane	9.32	63	133791	17.45 ug/L	96
42)	Methylmethacrylate	9.46	69	94259	16.95 ug/L	93
43)	Methyl acetate	4.29	43	188949	21.00 ug/L #	93
44)	Cyclohexane	7.54	56	223845	19.31 ug/L #	76
45)	Bromodichloromethane	9.68	83	162219	13.88 ug/L	97
46)	Dibromomethane	9.74	93	97497	14.49 ug/L #	72
47)	1,4-Dioxane	9.73	88	42691	422.03 ug/L #	67
48)	Methylcyclohexane	9.15	83	200480	14.22 ug/L #	81
50)	2-Chloroethylvinyl ether	10.17	63	72400	16.93 ug/L #	88
51)	2-Hexanone	11.53	58	276769	96.70 ug/L	83
52)	Methyl isobutyl ketone	10.22	58	292632	96.72 ug/L #	65
53)	cis-1,3-Dichloropropene	10.50	75	215178	16.22 ug/L	97
55)	Toluene	10.96	92	301507	15.32 ug/L #	84
56)	trans-1,3-Dichloropropene	11.25	75	200150	15.34 ug/L	91
58)	1,1,2-Trichloroethane	11.47	83	101222	15.22 ug/L	91
59)	1,3-Dichloropropane	11.86	76	204900	15.60 ug/L	97
60)	Tetrachloroethene	11.95	166	136315	17.00 ug/L	92
61)	Dibromochloromethane	12.23	129	141990	14.19 ug/L	92
62)	1,2-Dibromoethane	12.53	107	146001	17.85 ug/L	95
64)	Chlorobenzene	13.18	112	343982	19.06 ug/L	87
65)	1,1,1,2-Tetrachloroethane	13.25	131	121572	14.75 ug/L	97
66)	Ethylbenzene	13.28	91	537996	14.45 ug/L	80
67)	m,p-Xylene	13.39	106	440196	37.35 ug/L #	54
68)	o-Xylene	14.06	106	218381	18.95 ug/L #	50
69)	Styrene	14.10	104	375963	18.22 ug/L	76
70)	Bromoform	14.60	173	84475	17.10 ug/L	94
71)	Isopropylbenzene	14.62	105	559376	17.68 ug/L	92
72)	1,1,2,2-Tetrachloroethane	14.88	83	165463	15.56 ug/L	97
74)	1,2,3-Trichloropropane	15.10	75	123585	16.15 ug/L	94
75)	trans-1,4-Dichloro-2-buten	15.23	89	45928	14.50 ug/L #	60
76)	n-Propylbenzene	15.24	91	653841	14.64 ug/L	87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	127198	16.32 ug/L #	83
78)	1,3,5-Trimethylbenzene	15.50	105	448118	17.43 ug/L	82
79)	2-Chlorotoluene	15.50	91	415081	14.29 ug/L	71
80)	4-Chlorotoluene	15.57	91	384436	14.16 ug/L	64
81)	tert-butylbenzene	16.04	119	392986	17.11 ug/L #	73
82)	1,2,4-Trimethylbenzene	16.10	105	471738	17.49 ug/L	86
83)	Diisobutylketone	15.20	57	1651433	93.35 ug/L #	79
84)	sec-butylbenzene	16.37	105	620566	18.17 ug/L	88
85)	p-isopropyltoluene	16.60	119	495420	17.12 ug/L	82
86)	1,3-Dichlorobenzene	16.72	146	226616	15.29 ug/L #	85
88)	1,4-Dichlorobenzene	16.89	146	236401	18.11 ug/L #	83
89)	n-butylbenzene	17.24	91	464552	17.50 ug/L	78
90)	1,2-Dichlorobenzene	17.46	146	216777	18.47 ug/L #	82
92)	1,2-Dibromo-3-chloropropan	18.69	75	27912	19.21 ug/L #	75
94)	1,2,4-Trichlorobenzene	20.10	180	169333	20.33 ug/L	100
95)	Hexachlorobutadiene	20.35	225	81978	13.86 ug/L	96
96)	Naphthalene	20.48	128	420502	19.61 ug/L	99
97)	1,2,3-Trichlorobenzene	20.90	180	150655	20.16 ug/L	82
98)	1,3,5-Trichlorobenzene	19.08	180	177207	20.39 ug/L	99

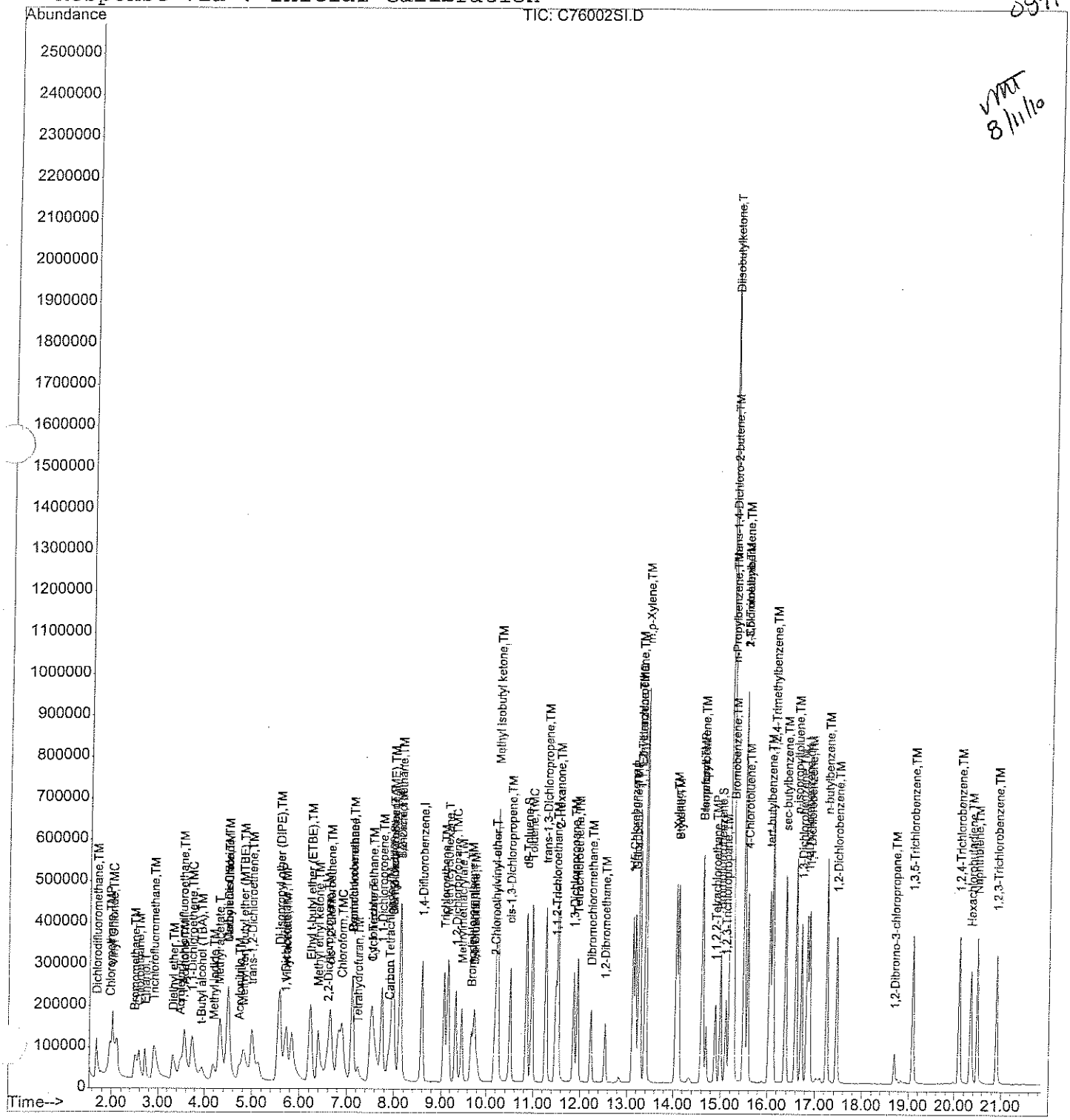
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JR 09.11.10



VMT 8/11/10

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	187674	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	375824	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.12	117	333454	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.83	152	146646	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	143104	21.10 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.50%		
36) d4-1,2-Dichloroethane	7.98	65	143104	21.09 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 105.45%		
54) d8-Toluene	10.85	98	413920	17.72 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 88.60%		
73) Bromofluorobenzene	14.99	95	154358	15.57 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 77.85%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	338730	44.24 ug/L	98
3) Chloromethane	1.96	50	475697	80.38 ug/L	98
4) Vinyl Chloride	2.01	62	343484	54.77 ug/L	95
5) Bromomethane	2.47	94	299493	51.03 ug/L	99
6) Chloroethane	2.56	64	271547	65.24 ug/L	96
7) t-Butyl alcohol (TBA)	3.92	59	166906	344.41 ug/L	97
8) Trichlorofluoromethane	2.88	101	542416	45.05 ug/L	98
9) Diethyl ether	3.31	74	155473	45.82 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.50	101	283196	43.56 ug/L #	88
11) Acrolein	3.46	56	100263	246.59 ug/L	98
12) Acetone	3.57	43	606261	314.47 ug/L #	83
13) 1,1-Dichloroethene	3.72	96	267194	43.36 ug/L #	85
14) Methyl iodide	4.17	142	255482	36.85 ug/L #	41
15) Di-isopropyl ether (DIPE)	5.56	45	1294608	57.61 ug/L #	85
16) Methylene Chloride	4.49	84	319013	46.60 ug/L #	74
17) Carbon Disulfide	4.46	76	930786	42.16 ug/L	100
18) Acrylonitrile	4.71	53	154932	59.56 ug/L #	91
19) Methyl-tert-butyl ether (M	4.80	73	725076	44.55 ug/L #	89
20) trans-1,2-Dichloroethene	4.98	61	458643	50.79 ug/L	89
21) 1,1-Dichloroethane	5.68	63	560249	49.40 ug/L	94
22) Vinyl acetate	5.72	43	656395	58.11 ug/L #	93
23) Methyl ethyl ketone	6.39	72	161861	273.96 ug/L	91
24) Ethyl t-butyl ether (ETBE)	6.22	59	976286	49.73 ug/L #	82
25) 2,2-Dichloropropane	6.59	77	358883	44.75 ug/L	99
26) cis-1,2-Dichloroethene	6.64	96	328898	44.70 ug/L #	88
27) t-Amyl methyl ether (TAME)	7.96	73	775075	43.06 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.89	83	525392	38.19 ug/L	100
30)	Bromochloromethane	7.12	128	146622	49.21 ug/L	88
31)	Tetrahydrofuran	7.23	71	38478	57.92 ug/L	78
32)	1,1,1-Trichloroethane	7.50	97	432479	37.78 ug/L	85
33)	Ethanol	2.74	45	289318	3884.30 ug/L #	89
34)	1,1-Dichloropropene	7.73	75	423083	44.27 ug/L	97
35)	Carbon Tetrachloride	7.88	119	290098	47.93 ug/L	98
37)	1,2-Dichloroethane	8.11	62	415458	46.46 ug/L	96
38)	Benzene	8.11	78	1068075	43.19 ug/L	96
40)	Trichloroethene	9.06	95	325201	33.21 ug/L #	39
41)	1,2-Dichloropropane	9.32	63	319304	42.93 ug/L	95
42)	Methylmethacrylate	9.46	69	220443	40.88 ug/L	91
43)	Methyl acetate	4.30	43	433789	49.71 ug/L #	91
44)	Cyclohexane	7.51	56	500904	44.55 ug/L #	72
45)	Bromodichloromethane	9.67	83	376994	33.27 ug/L	98
46)	Dibromomethane	9.73	93	215135	32.97 ug/L #	82
47)	1,4-Dioxane	9.72	88	100866	1086.24 ug/L #	70
48)	Methylcyclohexane	9.15	83	459831	33.64 ug/L #	82
50)	2-Chloroethylvinyl ether	10.17	63	197194	47.54 ug/L	89
51)	2-Hexanone	11.53	58	647909	233.41 ug/L	82
52)	Methyl isobutyl ketone	10.21	58	664766	226.55 ug/L #	66
53)	cis-1,3-Dichloropropene	10.49	75	499466	38.81 ug/L	99
55)	Toluene	10.96	92	692116	36.26 ug/L	88
56)	trans-1,3-Dichloropropene	11.25	75	468226	36.99 ug/L	92
58)	1,1,2-Trichloroethane	11.48	83	231605	35.91 ug/L	96
59)	1,3-Dichloropropane	11.86	76	467390	36.68 ug/L	99
60)	Tetrachloroethene	11.94	166	312040	40.12 ug/L	94
61)	Dibromochloromethane	12.23	129	338923	34.93 ug/L	91
62)	1,2-Dibromoethane	12.53	107	341651	43.08 ug/L	98
64)	Chlorobenzene	13.17	112	789831	45.03 ug/L	90
65)	1,1,1,2-Tetrachloroethane	13.25	131	280599	35.04 ug/L	95
66)	Ethylbenzene	13.27	91	1234082	34.12 ug/L	80
67)	m,p-Xylene	13.39	106	1004057	87.67 ug/L #	54
68)	o-Xylene	14.05	106	486024	43.40 ug/L #	57
69)	Styrene	14.11	104	868770	43.33 ug/L	76
70)	Bromoform	14.59	173	208473	43.42 ug/L	100
71)	Isopropylbenzene	14.62	105	1273409	41.42 ug/L	92
72)	1,1,2,2-Tetrachloroethane	14.88	83	378896	36.68 ug/L	100
74)	1,2,3-Trichloropropane	15.11	75	281459	37.84 ug/L	96
75)	trans-1,4-Dichloro-2-buten	15.23	89	104724	34.02 ug/L #	59
76)	n-Propylbenzene	15.24	91	1485946	34.24 ug/L	85

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08-11-10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	292434	38.61 ug/L #	78
78)	1,3,5-Trimethylbenzene	15.50	105	1017840	40.75 ug/L	81
79)	2-Chlorotoluene	15.50	91	954976	33.83 ug/L	69
80)	4-Chlorotoluene	15.58	91	865678	32.81 ug/L	64
81)	tert-butylbenzene	16.04	119	869196	38.94 ug/L #	73
82)	1,2,4-Trimethylbenzene	16.10	105	1054360	40.22 ug/L	84
83)	Diisobutylketone	15.19	57	3783407	220.10 ug/L #	78
84)	sec-butylbenzene	16.38	105	1404045	42.31 ug/L	87
85)	p-isopropyltoluene	16.60	119	1117917	39.75 ug/L	81
86)	1,3-Dichlorobenzene	16.71	146	522652	36.29 ug/L #	83
88)	1,4-Dichlorobenzene	16.88	146	535565	41.92 ug/L #	84
89)	n-butylbenzene	17.25	91	1049928	40.42 ug/L	75
90)	1,2-Dichlorobenzene	17.45	146	488004	42.48 ug/L #	81
92)	1,2-Dibromo-3-chloropropan	18.70	75	66837	48.37 ug/L #	75
94)	1,2,4-Trichlorobenzene	20.10	180	369710	45.34 ug/L	100
95)	Hexachlorobutadiene	20.34	225	179103	30.94 ug/L	92
96)	Naphthalene	20.49	128	955522	45.53 ug/L	99
97)	1,2,3-Trichlorobenzene	20.89	180	337558	46.16 ug/L	86
98)	1,3,5-Trichlorobenzene	19.09	180	386084	45.38 ug/L	99

(#) = qualifier out of range (m) = manual integration

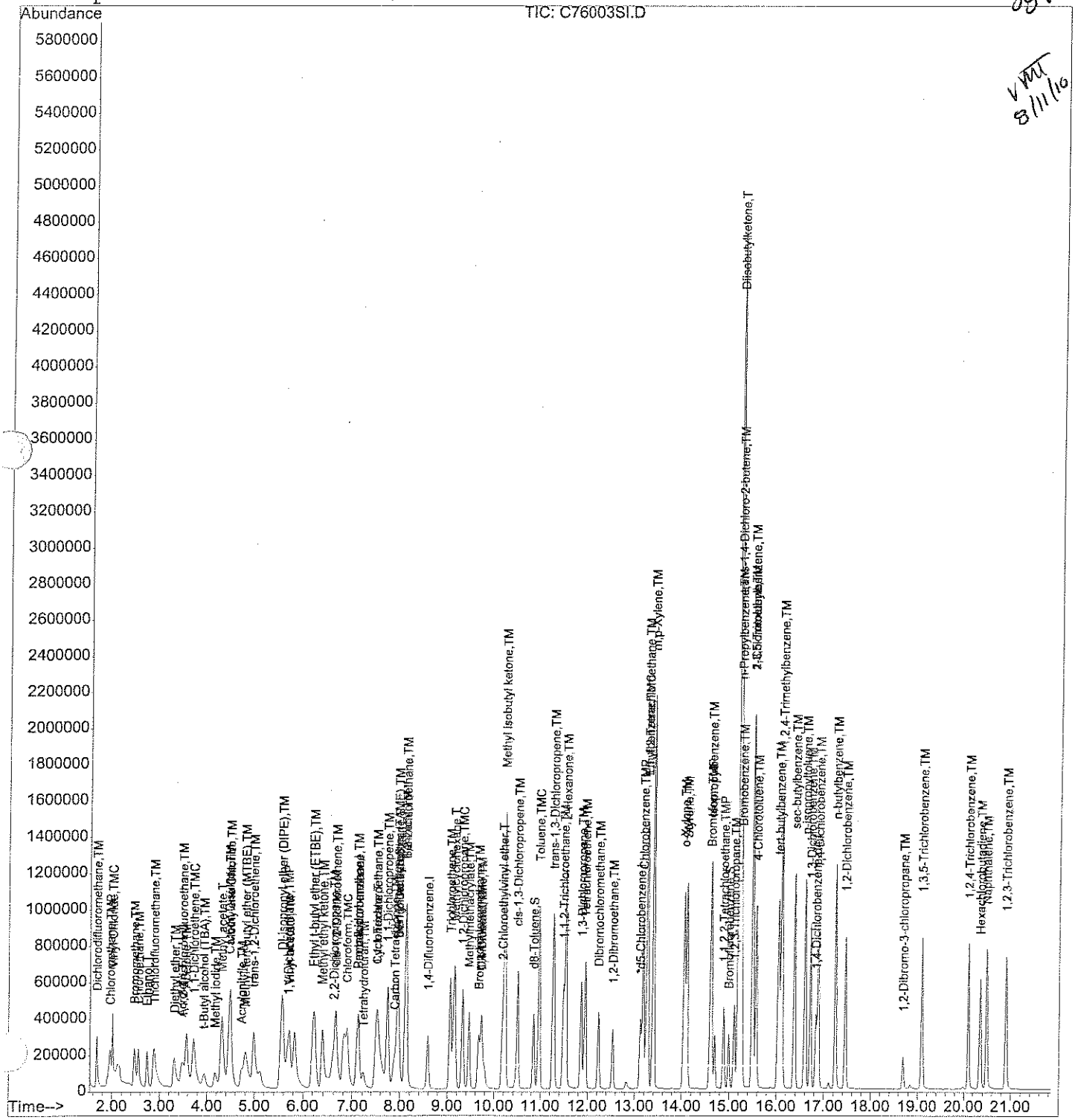
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JK 08/11/10

VMT 8/11/10



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 09.11.10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	212825	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	426996	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.12	117	369802	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	156214	20.00 ug/L	0.00

System Monitoring Compounds

28) DB Holder #28	7.98	65	154362	20.07 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.35%		
36) d4-1,2-Dichloroethane	7.98	65	154362	20.06 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 100.30%		
54) d8-Toluene	10.85	98	464164	17.49 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 87.45%		
73) Bromofluorobenzene	14.99	95	169889	15.46 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 77.30%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.66	85	744670	86.48 ug/L	98
3) Chloromethane	1.97	50	858289	Below Cal	96
4) Vinyl Chloride	2.00	62	724851	101.93 ug/L	96
5) Bromomethane	2.44	94	677893	101.85 ug/L	96
6) Chloroethane	2.54	64	596756	127.05 ug/L	93
7) t-Butyl alcohol (TBA)	3.94	59	345239	628.20 ug/L	98
8) Trichlorofluoromethane	2.87	101	1196061	87.60 ug/L	98
9) Diethyl ether	3.31	74	348546	90.58 ug/L	97
10) 1,1,2-Trichlorotrifluoroet	3.48	101	640255	86.84 ug/L #	84
11) Acrolein	3.45	56	224958	491.85 ug/L	99
12) Acetone	3.57	43	1333205	614.03 ug/L #	81
13) 1,1-Dichloroethene	3.71	96	602436	86.21 ug/L	86
14) Methyl iodide	4.16	142	485298m	61.73 ug/L	
15) Di-isopropyl ether (DIPE)	5.57	45	2998389	117.66 ug/L #	85
16) Methylene Chloride	4.48	84	715487	93.21 ug/L #	74
17) Carbon Disulfide	4.45	76	2140120	85.48 ug/L	100
18) Acrylonitrile	4.72	53	338216	114.66 ug/L #	93
19) Methyl-tert-butyl ether (M	4.81	73	1589082	86.10 ug/L #	90
20) trans-1,2-Dichloroethene	4.98	61	1026754	100.27 ug/L	88
21) 1,1-Dichloroethane	5.68	63	1252355	97.38 ug/L	93
22) Vinyl acetate	5.72	43	1482908	115.77 ug/L #	93
23) Methyl ethyl ketone	6.39	72	352632	532.62 ug/L	93
24) Ethyl t-butyl ether (ETBE)	6.22	59	2239819	100.62 ug/L #	81
25) 2,2-Dichloropropane	6.58	77	822225	90.40 ug/L	100
26) cis-1,2-Dichloroethene	6.63	96	734785	88.07 ug/L #	86
27) t-Amyl methyl ether (TAME)	7.96	73	1781551	87.28 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 09.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.89	83	1184844	75.95 ug/L	98
30)	Bromochloromethane	7.12	128	328918	99.01 ug/L	87
31)	Tetrahydrofuran	7.22	71	82514	110.14 ug/L	76
32)	1,1,1-Trichloroethane	7.50	97	955072	73.58 ug/L #	81
33)	Ethanol	2.77	45	629497	7495.00 ug/L #	89
34)	1,1-Dichloropropene	7.74	75	933795	86.15 ug/L	96
35)	Carbon Tetrachloride	7.89	119	659340	96.07 ug/L	94
37)	1,2-Dichloroethane	8.11	62	914385	90.16 ug/L	97
38)	Benzene	8.12	78	2457114	87.62 ug/L	97
40)	Trichloroethene	9.06	95	725845	65.23 ug/L #	44
41)	1,2-Dichloropropane	9.33	63	692492	81.95 ug/L	96
42)	Methylmethacrylate	9.46	69	490207	80.00 ug/L	94
43)	Methyl acetate	4.30	43	949215	95.74 ug/L #	91
44)	Cyclohexane	7.52	56	1098026	85.96 ug/L #	75
45)	Bromodichloromethane	9.67	83	831520	64.58 ug/L	99
46)	Dibromomethane	9.73	93	439426	59.27 ug/L #	77
47)	1,4-Dioxane	9.72	88	212408	2047.87 ug/L #	69
48)	Methylcyclohexane	9.15	83	1059063	68.19 ug/L #	82
50)	2-Chloroethylvinyl ether	10.17	63	359177	76.22 ug/L	89
51)	2-Hexanone	11.53	58	1417719	449.52 ug/L	81
52)	Methyl isobutyl ketone	10.22	58	1473777	442.07 ug/L #	65
53)	cis-1,3-Dichloropropene	10.50	75	1063735	72.75 ug/L	96
55)	Toluene	10.96	92	1552920	71.61 ug/L	88
56)	trans-1,3-Dichloropropene	11.26	75	1064707	74.03 ug/L	87
58)	1,1,2-Trichloroethane	11.48	83	516176	70.44 ug/L	95
59)	1,3-Dichloropropane	11.86	76	1050711	72.57 ug/L	98
60)	Tetrachloroethene	11.94	166	709610	80.29 ug/L	94
61)	Dibromochloromethane	12.23	129	754363	68.42 ug/L	94
62)	1,2-Dibromoethane	12.53	107	752419	83.50 ug/L	95
64)	Chlorobenzene	13.17	112	1785746	91.80 ug/L	90
65)	1,1,1,2-Tetrachloroethane	13.25	131	636774	71.70 ug/L	95
66)	Ethylbenzene	13.27	91	2752410	68.61 ug/L	81
67)	m,p-Xylene	13.40	106	2225160	175.19 ug/L #	53
68)	o-Xylene	14.06	106	1079329	86.91 ug/L #	54
69)	Styrene	14.11	104	1920464	86.38 ug/L	77
70)	Bromoform	14.59	173	475480	89.30 ug/L	98
71)	Isopropylbenzene	14.62	105	2812981	82.51 ug/L	92
72)	1,1,2,2-Tetrachloroethane	14.89	83	805241	70.29 ug/L	99
74)	1,2,3-Trichloropropane	15.10	75	602977	73.10 ug/L	97
75)	trans-1,4-Dichloro-2-buten	15.23	89	229354	67.18 ug/L #	56
76)	n-Propylbenzene	15.24	91	3236625	67.24 ug/L	85

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	643573	76.62 ug/L #	80
78)	1,3,5-Trimethylbenzene	15.50	105	2243493	80.99 ug/L	84
79)	2-Chlorotoluene	15.50	91	2083913	66.57 ug/L	72
80)	4-Chlorotoluene	15.58	91	1919050	65.58 ug/L	67
81)	tert-butylbenzene	16.04	119	1885462	76.16 ug/L #	74
82)	1,2,4-Trimethylbenzene	16.10	105	2310552	79.48 ug/L	84
83)	Diisobutylketone	15.20	57	7973897	418.29 ug/L #	78
84)	sec-butylbenzene	16.38	105	3053691	82.98 ug/L	87
85)	p-isopropyltoluene	16.60	119	2438447	78.18 ug/L	82
86)	1,3-Dichlorobenzene	16.71	146	1130622	70.79 ug/L #	84
88)	1,4-Dichlorobenzene	16.88	146	1162647	85.43 ug/L #	82
89)	n-butylbenzene	17.24	91	2284447	82.57 ug/L	77
90)	1,2-Dichlorobenzene	17.45	146	1042261	85.18 ug/L #	83
92)	1,2-Dibromo-3-chloropropan	18.69	75	138390	94.92 ug/L #	73
94)	1,2,4-Trichlorobenzene	20.10	180	758428	87.32 ug/L	96
95)	Hexachlorobutadiene	20.35	225	382324	62.01 ug/L	90
96)	Naphthalene	20.49	128	1865510	83.44 ug/L	99
97)	1,2,3-Trichlorobenzene	20.89	180	657645	84.42 ug/L	84
98)	1,3,5-Trichlorobenzene	19.09	180	824393	90.97 ug/L	97

(#) = qualifier out of range (m) = manual integration

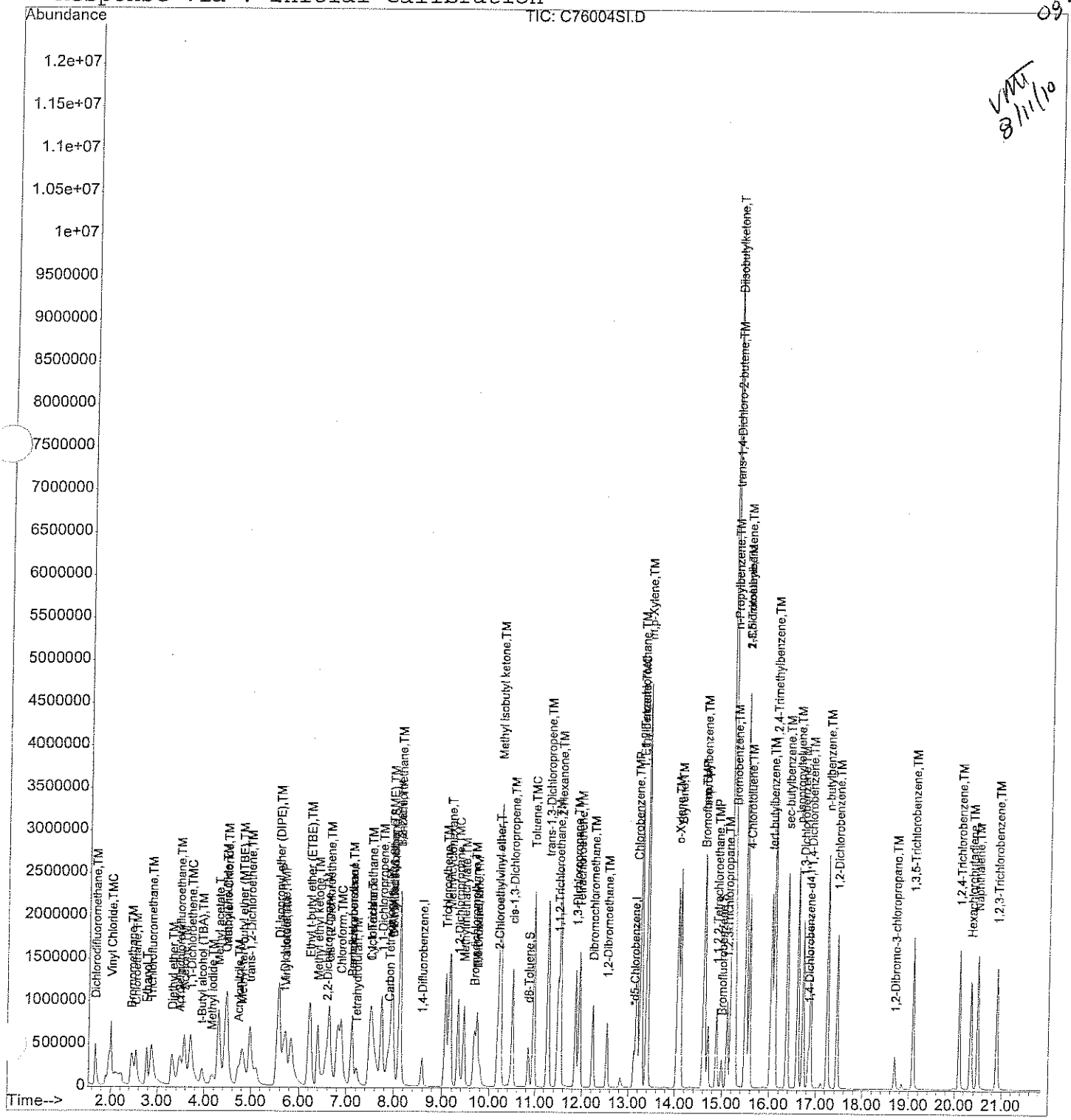
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JK 09/11/10

VMT 8/11/10



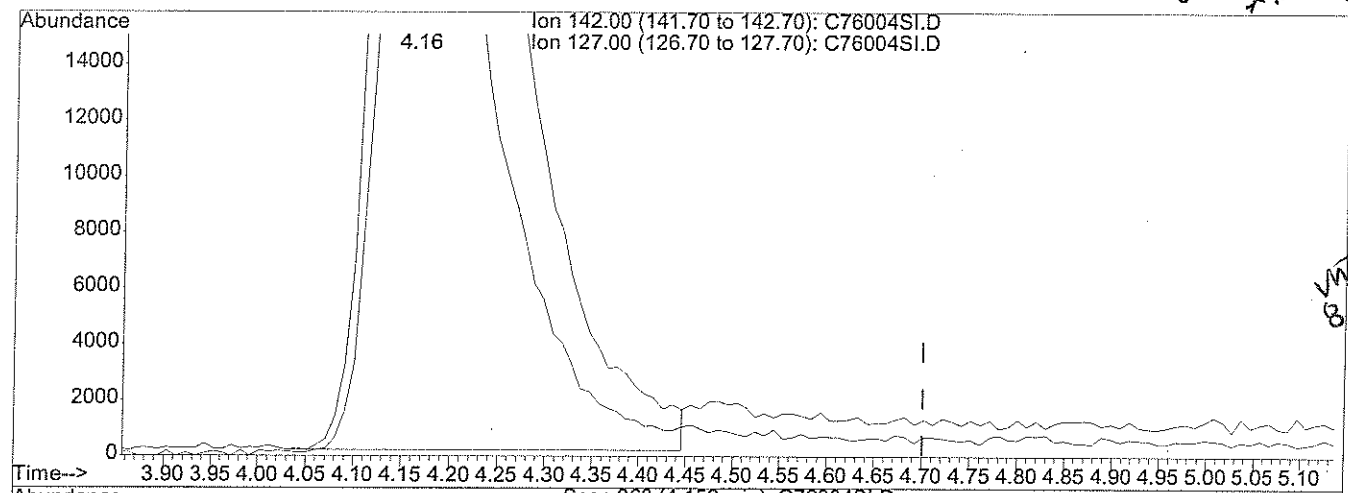
Quantitation Report (Qedit)

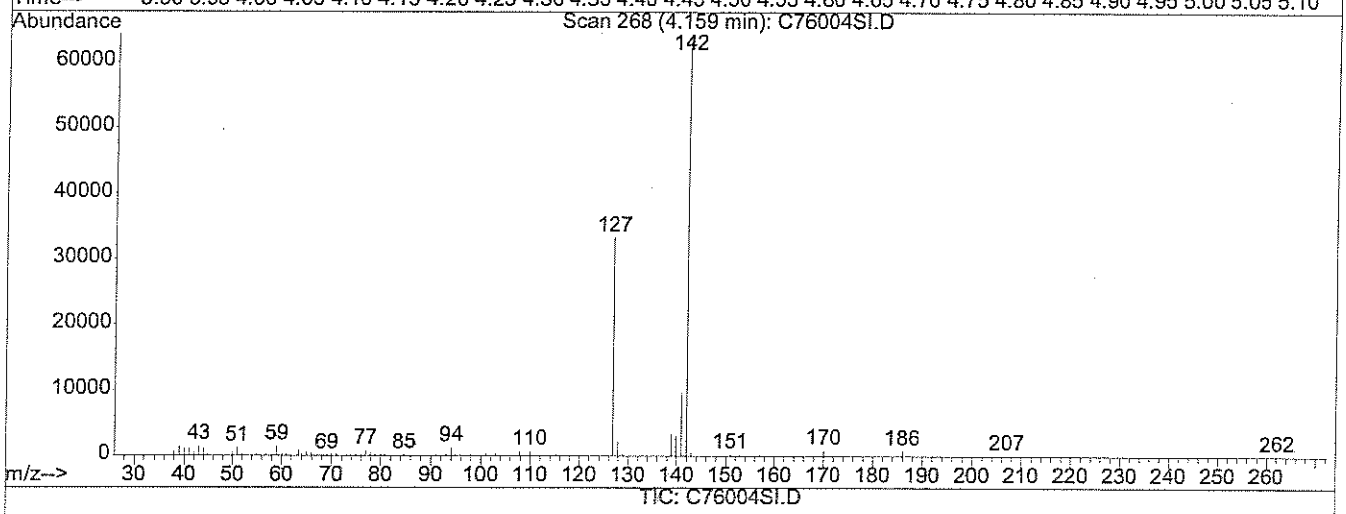
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:35 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 15:37:45 2010
Response via : Multiple Level Calibration

JL 08-11-10 *Tailing *Point NOT USED IN THE CURVE

VMT 8/11/10





(14) Methyl iodide (TM)

4.16min 59.39ug/L

response 466895

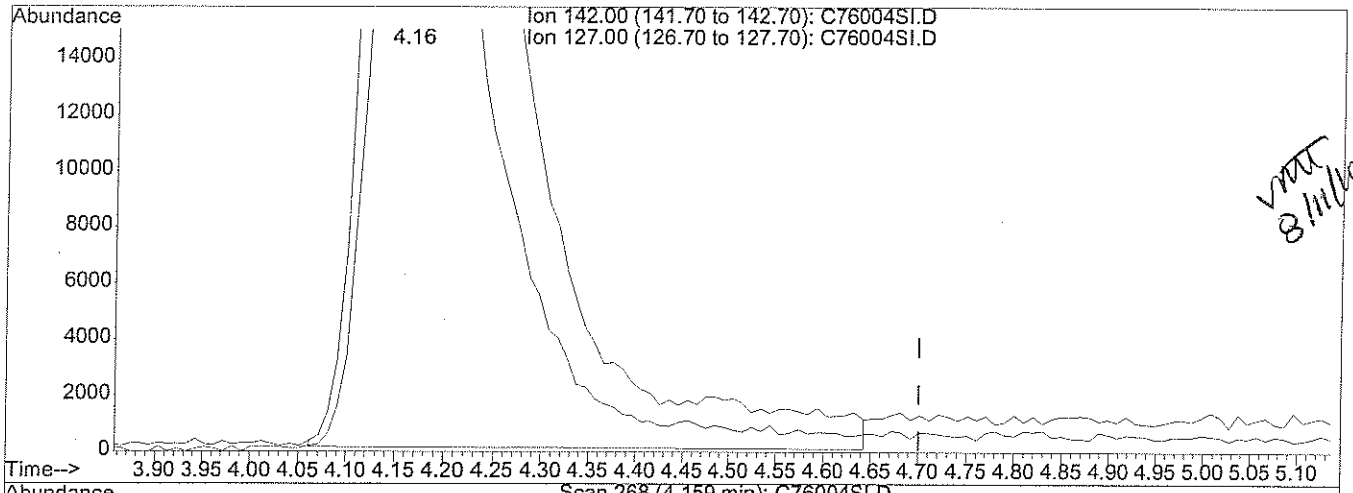
Ion	Exp%	Act%
142.00	100	100
127.00	114.00	50.30#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

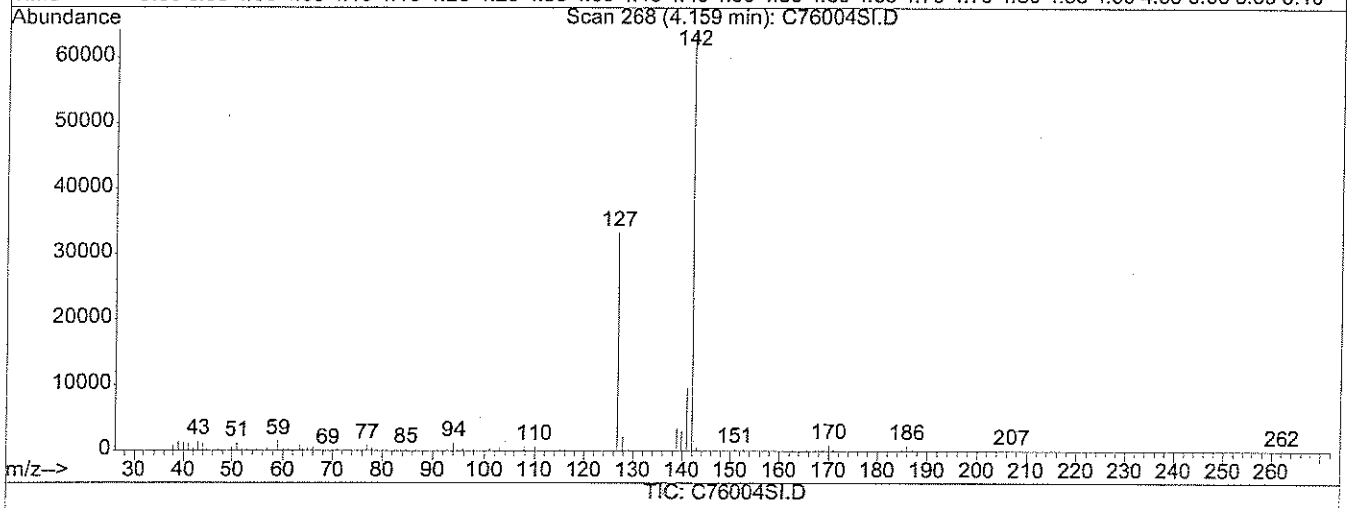
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 15:37:45 2010
Response via : Multiple Level Calibration

JL 08/11/10



VMT 8/11/10



(14) Methyl iodide (TM)

4.16min 61.73ug/L m

response 485298

Ion	Exp%	Act%
142.00	100	100
127.00	114.00	48.39#
0.00	0.00	0.00
0.00	0.00	0.00

C76004SI.D V808100C.M Tue Aug 10 15:41:56 2010

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

JL 08-11-10

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	80	120	15	0.0	18	89		17	87		2	
Chloromethane	20	80	120	15	0.0	19	95		20	99		5	
Vinyl Chloride	20	80	120	15	0.0	19	95		19	94		1	
Bromomethane	20	80	120	15	0.0	20	100		21	103		3	
Chloroethane	20	80	120	15	0.0	17	84		19	95		12	
t-Butyl alcohol (TBA)	100	80	120	15	0.0	99	99		85	85		16	*
Trichlorofluoromethane	20	80	120	15	0.0	17	87		17	86		1	
Diethyl ether	20	80	120	15	0.0	20	102		21	106		4	
1,1,2-Trichlorotrifluoroethane	20	80	120	15	0.0	16	80		17	84		5	
Acetone	100	80	120	15	0.0	113	113		103	103		9	
1,1-Dichloroethene	20	80	120	15	0.0	18	91		17	85		6	
Methyl iodide	20	80	120	15	0.0	19	96		20	102		6	
Di-isopropyl ether (DIPE)	20	80	120	15	0.0	19	94		19	97		3	
Methylene Chloride	20	80	120	15	0.0	23	117		20	102		13	
Carbon Disulfide	20	80	120	15	0.0	19	94		19	97		4	
Acrylonitrile	20	80	120	15	0.0	22	109		21	105		4	
Methyl-tert-butyl ether (MTBE)	40	80	120	15	0.0	47	119		47	117		2	
trans-1,2-Dichloroethene	20	80	120	15	0.0	18	91		18	92		2	
1,1-Dichloroethane	20	80	120	15	0.0	19	95		19	96		2	
Vinyl acetate	20	80	120	15	0.0	15	74	*	15	76	*	3	
Methyl ethyl ketone	100	80	120	15	0.0	109	109		100	100		9	
Ethyl t-butyl ether (ETBE)	20	80	120	15	0.0	20	98		20	98		0	
2,2-Dichloropropane	20	80	120	15	0.0	18	92		17	87		5	
cis-1,2-Dichloroethene	20	80	120	15	0.0	19	96		19	96		0	
t-Amyl methyl ether (TAME)	20	80	120	15	0.0	20	98		19	95		3	
Chloroform	20	80	120	15	0.0	18	92		19	93		1	
Bromochloromethane	20	80	120	15	0.0	21	103		20	99		4	
Tetrahydrofuran	20	80	120	15	0.0	23	113		21	105		7	
1,1,1-Trichloroethane	20	80	120	15	0.0	19	97		19	97		0	
1,1-Dichloropropene	20	80	120	15	0.0	18	91		19	93		2	
Carbon Tetrachloride	20	80	120	15	0.0	23	114		22	108		6	
1,2-Dichloroethane	20	80	120	15	0.0	20	98		20	100		1	
Benzene	20	80	120	15	0.0	18	89		19	93		4	
Trichloroethene	20	80	120	15	0.0	20	98		19	97		1	
1,2-Dichloropropane	20	80	120	15	0.0	19	97		20	99		2	
Methylmethacrylate	20	80	120	15	0.0	21	105		19	95		11	
Bromodichloromethane	20	80	120	15	0.0	21	104		20	98		6	
Dibromomethane	20	80	120	15	0.0	21	107		19	97		9	
1,4-Dioxane	500	80	120	15	0.0	527	105		458	92		14	
2-Hexanone	100	80	120	15	0.0	113	113		105	105		8	
Methyl isobutyl ketone	100	80	120	15	0.0	111	111		104	104		6	
cis-1,3-Dichloropropene	20	80	120	15	0.0	21	103		20	99		3	
Toluene	20	80	120	15	0.0	19	97		20	98		1	
trans-1,3-Dichloropropene	20	80	120	15	0.0	18	91		17	87		4	
1,1,2-Trichloroethane	20	80	120	15	0.0	21	105		20	101		4	
1,3-Dichloropropane	20	80	120	15	0.0	19	96		19	95		2	
Tetrachloroethene	20	80	120	15	0.0	22	110		22	111		1	
Dibromochloromethane	20	80	120	15	0.0	19	95		19	96		1	
1,2-Dibromoethane	20	80	120	15	0.0	20	98		19	95		3	

X012W

VOA FORM 3

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

OK
08-11-1

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Chlorobenzene	20	80	120	15	0.0	18	92		19	94		2	
1,1,1,2-Tetrachloroethane	20	80	120	15	0.0	19	95		19	96		1	
Ethylbenzene	20	80	120	15	0.0	19	93		19	95		2	
m,p-Xylene	40	80	120	15	0.0	37	92		38	95		3	
o-Xylene	20	80	120	15	0.0	19	93		19	95		2	
Styrene	20	80	120	15	0.0	19	95		19	96		1	
Bromoform	20	80	120	15	0.0	19	97		20	99		2	
Isopropylbenzene	20	80	120	15	0.0	16	82		17	83		2	
1,1,2,2-Tetrachloroethane	20	80	120	15	0.0	19	97		19	96		0	
1,2,3-Trichloropropane	20	80	120	15	0.0	21	105		21	103		2	
trans-1,4-Dichloro-2-butene	20	80	120	15	0.0	20	100		20	99		1	
n-Propylbenzene	20	80	120	15	0.0	18	92		19	93		1	
Bromobenzene	20	80	120	15	0.0	19	94		19	97		3	
1,3,5-Trimethylbenzene	20	80	120	15	0.0	19	95		20	98		3	
2-Chlorotoluene	20	80	120	15	0.0	20	98		20	99		1	
4-Chlorotoluene	20	80	120	15	0.0	19	95		19	97		2	
tert-butylbenzene	20	80	120	15	0.0	18	92		19	95		3	
1,2,4-Trimethylbenzene	20	80	120	15	0.0	18	90		19	93		3	
sec-butylbenzene	20	80	120	15	0.0	18	91		19	96		5	
p-isopropyltoluene	20	80	120	15	0.0	18	88		18	91		4	
1,3-Dichlorobenzene	20	80	120	15	0.0	19	93		19	95		2	
1,4-Dichlorobenzene	20	80	120	15	0.0	18	92		19	94		3	
n-butylbenzene	20	80	120	15	0.0	18	91		19	97		7	
1,2-Dichlorobenzene	20	80	120	15	0.0	19	93		20	98		5	
1,2-Dibromo-3-chloropropane	20	80	120	15	0.0	22	108		21	104		4	
1,2,4-Trichlorobenzene	20	80	120	15	0.0	18	91		19	95		4	
Hexachlorobutadiene	20	80	120	15	0.0	18	91		19	97		6	
Naphthalene	20	80	120	15	0.0	21	104		21	104		0	
1,2,3-Trichlorobenzene	20	80	120	15	0.0	20	98		20	102		3	
1,3,5-Trichlorobenzene	20	80	120	15	0.0	18	91		19	97		6	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

381210

VOA FORM 3

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 0811-10 JMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	136751	20.00 ug/L	-0.02
39) 1,4-Difluorobenzene	8.59	114	264160	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	237302	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	105646	20.00 ug/L	0.00

System Monitoring Compounds

28) DB Holder #28	7.97	65	102649	19.76 ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.80%		
36) d4-1,2-Dichloroethane	7.97	65	102649	19.74 ug/L	-0.02
Spiked Amount 20.000	Range 70 - 120		Recovery = 98.70%		
54) d8-Toluene	10.85	98	299585	20.57 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 102.85%		
73) Bromofluorobenzene	14.99	95	114916	20.58 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 102.90%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.67	85	91800	17.73 ug/L	98
3) Chloromethane	1.94	50	131402	18.92 ug/L	95
4) Vinyl Chloride	2.02	62	99663	19.03 ug/L	97
5) Bromomethane	2.48	94	83971	19.96 ug/L	98
6) Chloroethane	2.57	64	66943	16.90 ug/L	91
7) t-Butyl alcohol (TBA)	3.91	59	48856	99.14 ug/L	97
8) Trichlorofluoromethane	2.89	101	139999	17.42 ug/L	100
9) Diethyl ether	3.30	74	44001	20.40 ug/L	94
10) 1,1,2-Trichlorotrifluoroet	3.50	101	71276	16.04 ug/L #	89
11) Acrolein	3.45	56	36680	126.57 ug/L	99
12) Acetone	3.56	43	199012	112.72 ug/L #	80
13) 1,1-Dichloroethene	3.72	96	74893	18.12 ug/L	83
14) Methyl iodide	4.17	142	72677	19.26 ug/L #	42
15) Di-isopropyl ether (DIPE)	5.57	45	380180	18.74 ug/L #	86
16) Methylene Chloride	4.49	84	109913	23.32 ug/L #	69
17) Carbon Disulfide	4.46	76	261470	18.71 ug/L	98
18) Acrylonitrile	4.72	53	48244	21.88 ug/L	97
19) Methyl-tert-butyl ether (M	4.80	73	453158	47.41 ug/L #	85
20) trans-1,2-Dichloroethene	4.98	61	127600	18.14 ug/L	88
21) 1,1-Dichloroethane	5.67	63	155377	18.96 ug/L	92
22) Vinyl acetate	5.72	43	126273	14.75 ug/L #	93
23) Methyl ethyl ketone	6.38	72	53462	109.15 ug/L	93
24) Ethyl t-butyl ether (ETBE)	6.22	59	291594	19.60 ug/L #	82
25) 2,2-Dichloropropane	6.58	77	97123	18.32 ug/L	95
26) cis-1,2-Dichloroethene	6.63	96	97058	19.25 ug/L	89
27) t-Amyl methyl ether (TAME)	7.96	73	238606	19.51 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.10 MAT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.89	83	153097	18.48 ug/L	99
30)	Bromochloromethane	7.12	128	44654	20.54 ug/L	89
31)	Tetrahydrofuran	7.22	71	12798	22.52 ug/L	86
32)	1,1,1-Trichloroethane	7.51	97	125501	19.43 ug/L	78
33)	Ethanol	2.71	45	92620	1052.53 ug/L #	91
34)	1,1-Dichloropropene	7.73	75	117555	18.16 ug/L	95
35)	Carbon Tetrachloride	7.88	119	88123	22.88 ug/L	98
37)	1,2-Dichloroethane	8.12	62	121712	19.64 ug/L	97
38)	Benzene	8.12	78	300370	17.86 ug/L	97
40)	Trichloroethene	9.06	95	91928	19.68 ug/L #	44
41)	1,2-Dichloropropane	9.32	63	89357	19.38 ug/L	96
42)	Methylmethacrylate	9.46	69	70235	21.07 ug/L	91
43)	Methyl acetate	4.29	43	60471	9.48 ug/L #	88
44)	Cyclohexane	7.54	56	182353	24.16 ug/L #	36
45)	Bromodichloromethane	9.67	83	112187	20.89 ug/L	97
46)	Dibromomethane	9.73	93	63735	21.31 ug/L #	77
47)	1,4-Dioxane	9.73	88	30232	526.97 ug/L #	66
48)	Methylcyclohexane	9.07	83	1631	0.24 ug/L #	1
50)	2-Chloroethylvinyl ether	10.17	63	180	0.07 ug/L #	42
51)	2-Hexanone	11.53	58	216411	113.35 ug/L	80
52)	Methyl isobutyl ketone	10.22	58	216322	110.55 ug/L #	66
53)	cis-1,3-Dichloropropene	10.50	75	145632	20.52 ug/L	96
55)	Toluene	10.97	92	198268	19.43 ug/L	86
56)	trans-1,3-Dichloropropene	11.25	75	120899	18.12 ug/L	85
58)	1,1,2-Trichloroethane	11.48	83	69335	20.99 ug/L	95
59)	1,3-Dichloropropane	11.86	76	138195	19.24 ug/L	99
60)	Tetrachloroethene	11.94	166	107533	22.04 ug/L	91
61)	Dibromochloromethane	12.23	129	93284	19.00 ug/L	92
62)	1,2-Dibromoethane	12.54	107	99215	19.52 ug/L	99
64)	Chlorobenzene	13.18	112	226122	18.32 ug/L	89
65)	1,1,1,2-Tetrachloroethane	13.25	131	81084	19.00 ug/L	97
66)	Ethylbenzene	13.28	91	359021	18.60 ug/L	83
67)	m,p-Xylene	13.39	106	291020	36.96 ug/L #	54
68)	o-Xylene	14.06	106	141321	18.59 ug/L #	58
69)	Styrene	14.11	104	253350	19.05 ug/L	78
70)	Bromoform	14.60	173	57050	19.37 ug/L	99
71)	Isopropylbenzene	14.62	105	323095	16.32 ug/L	91
72)	1,1,2,2-Tetrachloroethane	14.88	83	113055	19.31 ug/L	100
74)	1,2,3-Trichloropropane	15.10	75	84448	21.02 ug/L	92
75)	trans-1,4-Dichloro-2-buten	15.24	89	30358	20.03 ug/L #	75
76)	n-Propylbenzene	15.24	91	427810	18.36 ug/L	86

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08-11-10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.28	156	83937	18.85 ug/L #	77
78)	1,3,5-Trimethylbenzene	15.49	105	295414	19.07 ug/L	84
79)	2-Chlorotoluene	15.49	91	278347	19.66 ug/L	74
80)	4-Chlorotoluene	15.57	91	253349	18.93 ug/L	70
81)	tert-butylbenzene	16.04	119	252775	18.39 ug/L #	75
82)	1,2,4-Trimethylbenzene	16.11	105	298298	17.97 ug/L	82
83)	Diisobutylketone	15.24	57	5612	0.48 ug/L #	1
84)	sec-butylbenzene	16.38	105	398842	18.19 ug/L	87
85)	p-isopropyltoluene	16.60	119	307534	17.52 ug/L	82
86)	1,3-Dichlorobenzene	16.72	146	150087	18.51 ug/L #	81
88)	1,4-Dichlorobenzene	16.89	146	155562	18.32 ug/L #	81
89)	n-butylbenzene	17.24	91	301048	18.21 ug/L	79
90)	1,2-Dichlorobenzene	17.46	146	142349	18.67 ug/L #	84
92)	1,2-Dibromo-3-chloropropan	18.69	75	20994	21.66 ug/L	91
94)	1,2,4-Trichlorobenzene	20.10	180	106129	18.24 ug/L	99
95)	Hexachlorobutadiene	20.35	225	52609	18.21 ug/L	94
96)	Naphthalene	20.48	128	293886	20.80 ug/L	98
97)	1,2,3-Trichlorobenzene	20.90	180	101591	19.69 ug/L	86
98)	1,3,5-Trichlorobenzene	19.09	180	112789	18.28 ug/L	94

VMU 8/11/10

(#) = qualifier out of range (m) = manual integration

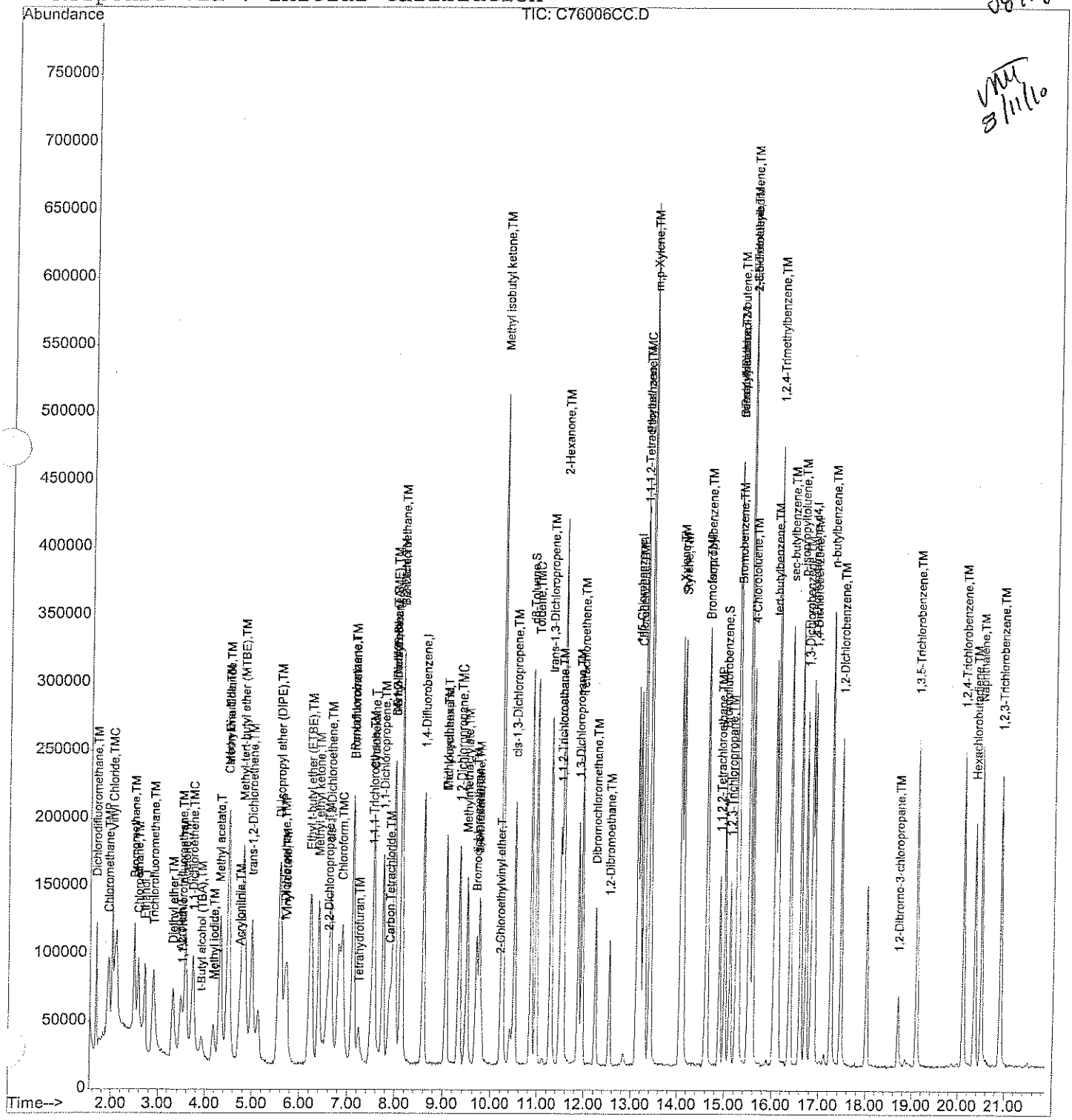
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JL 08/11/10

VMM 8/11/10



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08.11.10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	197193	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.59	114	389939	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	341660	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	149620	20.00 ug/L	0.00

VMT 8/11/10

System Monitoring Compounds					
28) DB Holder #28	7.99	65	151441	20.22 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.10%		
36) d4-1,2-Dichloroethane	7.99	65	152282	20.31 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 101.55%		
54) d8-Toluene	10.85	98	428903	19.95 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 99.75%		
73) Bromofluorobenzene	14.99	95	160730	19.99 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 99.95%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	130365	17.46 ug/L	97
3) Chloromethane	1.99	50	198474	19.82 ug/L	94
4) Vinyl Chloride	2.01	62	142231	18.84 ug/L	93
5) Bromomethane	2.50	94	125213	20.61 ug/L	94
6) Chloroethane	2.59	64	109072	19.09 ug/L	95
7) t-Butyl alcohol (TBA)	3.93	59	60289	84.84 ug/L #	89
8) Trichlorofluoromethane	2.92	101	200435	17.30 ug/L	100
9) Diethyl ether	3.33	74	65877	21.18 ug/L	96
10) 1,1,2-Trichlorotrifluoroet	3.55	101	107703	16.81 ug/L #	84
11) Acrolein	3.47	56	57305	137.15 ug/L	96
12) Acetone	3.57	43	263135	103.06 ug/L #	80
13) 1,1-Dichloroethene	3.74	96	101215	16.98 ug/L	86
14) Methyl iodide	4.18	142	111238	20.43 ug/L #	39
15) Di-isopropyl ether (DIPE)	5.56	45	565048	19.31 ug/L #	85
16) Methylene Chloride	4.51	84	139517	20.44 ug/L #	76
17) Carbon Disulfide	4.48	76	392640	19.48 ug/L	100
18) Acrylonitrile	4.73	53	66978	21.06 ug/L	91
19) Methyl-tert-butyl ether (M	4.83	73	643094	46.66 ug/L #	89
20) trans-1,2-Dichloroethene	5.00	61	186807	18.41 ug/L	89
21) 1,1-Dichloroethane	5.69	63	227671	19.27 ug/L	94
22) Vinyl acetate	5.73	43	186972	15.15 ug/L #	93
23) Methyl ethyl ketone	6.39	72	70554	99.90 ug/L	94
24) Ethyl t-butyl ether (ETBE)	6.22	59	421528	19.64 ug/L #	81
25) 2,2-Dichloropropane	6.60	77	132637	17.35 ug/L	91
26) cis-1,2-Dichloroethene	6.65	96	140205	19.28 ug/L	88
27) t-Amyl methyl ether (TAME)	7.96	73	333496	18.91 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	222899	18.66 ug/L	99
30)	Bromochloromethane	7.13	128	62048	19.77 ug/L	91
31)	Tetrahydrofuran	7.24	71	17290	20.98 ug/L	90
32)	1,1,1-Trichloroethane	7.52	97	181370	19.47 ug/L #	80
33)	Ethanol	2.71	45	116853	920.89 ug/L #	90
34)	1,1-Dichloropropene	7.74	75	173690	18.60 ug/L	97
35)	Carbon Tetrachloride	7.89	119	119538	21.52 ug/L	98
37)	1,2-Dichloroethane	8.13	62	177954	19.91 ug/L	93
38)	Benzene	8.13	78	451433	18.61 ug/L	95
40)	Trichloroethene	9.07	95	134216	19.46 ug/L #	43
41)	1,2-Dichloropropane	9.33	63	134877	19.81 ug/L	96
42)	Methylmethacrylate	9.46	69	93118	18.92 ug/L	90
43)	Methyl acetate	4.31	43	65209	6.70 ug/L #	91
44)	Cyclohexane	7.56	56	263250	23.62 ug/L #	38
45)	Bromodichloromethane	9.68	83	156117	19.70 ug/L	95
46)	Dibromomethane	9.74	93	86599	19.45 ug/L #	75
47)	1,4-Dioxane	9.73	88	38812	458.31 ug/L #	68
48)	Methylcyclohexane	9.15	83	690	0.07 ug/L #	85
50)	2-Chloroethylvinyl ether	10.14	63	391	0.10 ug/L #	42
51)	2-Hexanone	11.53	58	294925	104.65 ug/L	80
52)	Methyl isobutyl ketone	10.22	58	300492	104.03 ug/L #	65
53)	cis-1,3-Dichloropropene	10.50	75	208082	19.86 ug/L	98
55)	Toluene	10.97	92	296443	19.68 ug/L	86
56)	trans-1,3-Dichloropropene	11.25	75	171243	17.39 ug/L	89
58)	1,1,2-Trichloroethane	11.48	83	98459	20.19 ug/L	97
59)	1,3-Dichloropropane	11.87	76	200366	18.90 ug/L	98
60)	Tetrachloroethene	11.94	166	159636	22.17 ug/L	93
61)	Dibromochloromethane	12.23	129	139108	19.19 ug/L	96
62)	1,2-Dibromoethane	12.54	107	142375	18.98 ug/L	95
64)	Chlorobenzene	13.18	112	333051	18.75 ug/L	90
65)	1,1,1,2-Tetrachloroethane	13.26	131	118088	19.22 ug/L	93
66)	Ethylbenzene	13.28	91	526355	18.94 ug/L	79
67)	m,p-Xylene	13.39	106	431975	38.11 ug/L #	53
68)	o-Xylene	14.05	106	208135	19.02 ug/L #	55
69)	Styrene	14.11	104	368122	19.22 ug/L	76
70)	Bromoform	14.60	173	84161	19.83 ug/L	95
71)	Isopropylbenzene	14.62	105	475642	16.68 ug/L	93
72)	1,1,2,2-Tetrachloroethane	14.88	83	162053	19.22 ug/L	96
74)	1,2,3-Trichloropropane	15.10	75	118967	20.55 ug/L	99
75)	trans-1,4-Dichloro-2-buten	15.24	89	43102	19.75 ug/L #	71
76)	n-Propylbenzene	15.24	91	623627	18.59 ug/L	85

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.1 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.28	156	125033	19.50 ug/L #	74
78)	1,3,5-Trimethylbenzene	15.49	105	436486	19.57 ug/L	82
79)	2-Chlorotoluene	15.49	91	404037	19.82 ug/L	73
80)	4-Chlorotoluene	15.57	91	372795	19.35 ug/L	70
81)	tert-butylbenzene	16.05	119	374429	18.92 ug/L #	72
82)	1,2,4-Trimethylbenzene	16.11	105	443759	18.57 ug/L	82
83)	Diisobutylketone	15.25	57	5050	0.30 ug/L #	1
84)	sec-butylbenzene	16.38	105	603169	19.10 ug/L	86
85)	p-isopropyltoluene	16.60	119	458933	18.16 ug/L	82
86)	1,3-Dichlorobenzene	16.72	146	221551	18.98 ug/L #	83
88)	1,4-Dichlorobenzene	16.88	146	226345	18.83 ug/L #	83
89)	n-butylbenzene	17.25	91	455145	19.43 ug/L	76
90)	1,2-Dichlorobenzene	17.46	146	212729	19.70 ug/L #	80
92)	1,2-Dibromo-3-chloropropan	18.70	75	28588	20.79 ug/L #	64
94)	1,2,4-Trichlorobenzene	20.10	180	157187	19.07 ug/L	96
95)	Hexachlorobutadiene	20.35	225	79511	19.44 ug/L	90
96)	Naphthalene	20.48	128	415414	20.76 ug/L	99
97)	1,2,3-Trichlorobenzene	20.90	180	148744	20.36 ug/L	83
98)	1,3,5-Trichlorobenzene	19.09	180	169692	19.42 ug/L	98

(#) = qualifier out of range (m) = manual integration

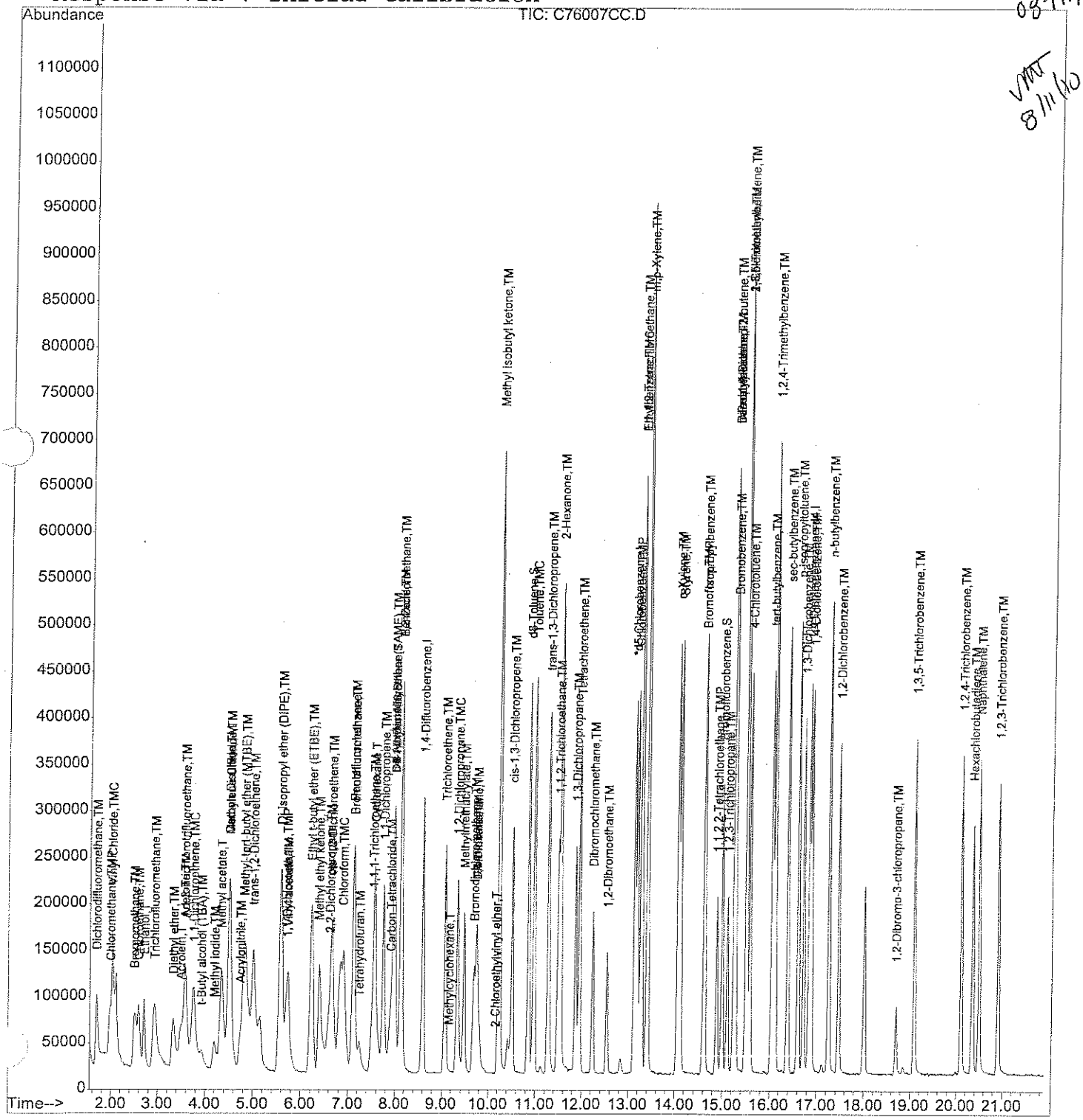
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

CL 08-11-10

VMT 8/11/10



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrato
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010 MT 9/14/10
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓105	0.01
2	TM	Dichlorodifluoromethane	0.757	0.748	1.2	108	0.00
3	TMP	Chloromethane	1.195	0.967 ✓	19.1	103	0.01
4	TMC	Vinyl Chloride	0.766	0.690	✓9.9	101	0.00
5	TM	Bromomethane	0.522	0.573	-9.8	104	0.02
6	TM	Chloroethane	0.579	0.533	7.9	101	0.01
7	TM	t-Butyl alcohol (TBA)	0.072	0.049#	MT 31.9#	83	0.01
8	TM	Trichlorofluoromethane	1.175	1.088	7.4	98	0.01
9	TM	Diethyl ether	0.315	0.313	0.6	93	0.01
10	TM	1,1,2-Trichlorotrifluoroeth	0.650	0.644	0.9	106	0.01
11	T	Acrolein	0.047	0.048#	-2.1	120	0.02
12	TM	Acetone	0.315	0.228 Lin 88%	~~27.6#~~	89	0.01
13	TMC	1,1-Dichloroethene	0.604	0.590	✓2.3	105	0.02
14	TM	Methyl iodide	0.481	0.772 (in 139%)	~~-60.5#~~	130	0.02
15	TM	Di-isopropyl ether (DIPE)	2.967	2.807	5.4	103	0.01
16	TM	Methylene Chloride	0.829	0.721	13.0	109	0.01
17	TM	Carbon Disulfide	2.044	2.065	-1.0	103	0.01
18	TM	Acrylonitrile	0.323	0.282	12.7	90	0.01
19	TM	Methyl-tert-butyl ether (MT	1.398	1.559	-11.5	108	0.03
20	TM	trans-1,2-Dichloroethene	1.029	0.973	5.4	101	0.01
21	TMP	1,1-Dichloroethane	1.344	1.180 ✓	12.2	101	0.01
22	TM	Vinyl acetate	1.252	1.557 (124%)	-24.4#	125	0.01
23	TM	Methyl ethyl ketone	0.072	0.064#	11.1	95	0.01
24	TM	Ethyl t-butyl ether (ETBE)	2.176	2.093	3.8	102	0.01
25	TM	2,2-Dichloropropane	0.775	0.793	-2.3	112	0.02
26	TM	cis-1,2-Dichloroethene	0.737	0.710	3.7	100	0.02
27	TM	t-Amyl methyl ether (TAME)	1.789	1.652	7.7	102	0.00
28	S	DB Holder #28	0.760	0.713	6.2	95	0.01
29	TMC	Chloroform	1.211	1.151	✓5.0	102	0.01
30	TM	Bromochloromethane	0.396	0.346	12.6	110	0.00
31	TM	Tetrahydrofuran	0.103	0.077# Lin 91%	~~25.2#~~	95	0.02
32	TM	1,1,1-Trichloroethane	0.945	0.939	0.6	102	0.01
33	T	Ethanol	0.013	0.008#	MT 38.5#	70	0.00
34	TM	1,1-Dichloropropene	0.947	0.897	5.3	102	0.01
35	TM	Carbon Tetrachloride	0.563	0.560	0.5	98	0.02
36	S	d4-1,2-Dichloroethane	0.760	0.713	6.2	95	0.01
37	TM	1,2-Dichloroethane	0.906	0.860	5.1	98	0.00
38	TM	Benzene	2.460	2.275	7.5	101	0.01
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓103	0.01
40	TM	Trichloroethene	0.432	0.375	13.2	101	0.01

(#) = Out of Range

5-9-2010

C76180SC.D V808100C.M Tue Sep 14 11:41:17 2010 Page 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrato
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010 MT 9/14/10
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	TMC	1,2-Dichloropropane	0.349	0.346	✓0.9	104	0.01
42	TM	Methylmethacrylate	0.252	0.222	11.9	94	0.00
43	T	Methyl acetate	0.527	0.420	~~20.3#~~	89	0.01
44	T	Cyclohexane	0.572	0.624	-9.1	112	0.02
45	TM	Bromodichloromethane	0.407	0.407	0.0	101	0.01
46	TM	Dibromomethane	0.267	0.256	4.1	105	0.01
47	TM	1,4-Dioxane	0.004	0.003#	25.0#	76	0.01
48	T	Methylcyclohexane	0.516	0.539	-4.5	108	0.01
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
50	T	2-Chloroethylvinyl ether	0.198	0.210	-6.1	116	0.00
51	TM	2-Hexanone	0.145	0.130	10.3	94	0.00
52	TM	Methyl isobutyl ketone	0.148	0.137	7.4	94	0.00
53	TM	cis-1,3-Dichloropropene	0.537	0.537	0.0	100	0.01
54	S	d8-Toluene	1.103	1.098	0.5	102	0.01
55	TMC	Toluene	0.773	0.775	✓-0.3	103	0.01
56	TM	trans-1,3-Dichloropropene	0.505	0.499	1.2	100	0.01
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
58	TM	1,1,2-Trichloroethane	0.250	0.250	0.0	99	0.01
59	TM	1,3-Dichloropropane	0.544	0.497	8.6	97	0.01
60	TM	Tetrachloroethene	0.369	0.331	10.3	97	0.00
61	TM	Dibromochloromethane	0.372	0.353	5.1	100	0.01
62	TM	1,2-Dibromoethane	0.385	0.355	7.8	97	0.01
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓104	0.00
64	TMP	Chlorobenzene	1.040	0.997✓	4.1	104	0.00
65	TM	1,1,1,2-Tetrachloroethane	0.360	0.343	4.7	101	0.01
66	TMC	Ethylbenzene	1.627	1.548	✓4.9	103	0.00
67	TM	m,p-Xylene	0.664	0.640	3.6	104	0.00
68	TM	o-Xylene	0.641	0.631	1.6	104	0.00
69	TM	Styrene	1.121	1.093	2.5	104	0.01
70	TMP	Bromoform	0.212	0.233✓	-9.9	99	0.01
71	TM	Isopropylbenzene	1.669	1.623	2.8	104	0.00
72	TMP	1,1,2,2-Tetrachloroethane	0.494	0.443✓	10.3	96	0.00
73	S	Bromofluorobenzene	0.471	0.461	2.1	101	0.00
74	TM	1,2,3-Trichloropropane	0.370	0.322	13.0	93	0.01
75	TM	trans-1,4-Dichloro-2-butene	0.128	0.131	-2.3	102	0.01
76	TM	n-Propylbenzene	1.963	1.861	5.2	102	0.01
77	TM	Bromobenzene	0.375	0.367	2.1	103	0.01
78	TM	1,3,5-Trimethylbenzene	1.306	1.295	0.8	103	0.00
79	TM	2-Chlorotoluene	1.193	1.166	2.3	101	0.00
80	TM	4-Chlorotoluene	1.128	1.122	0.5	105	0.00

(#) = Out of Range

5/9/2010

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrato
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Multiple Level Calibration

MT 9/14/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	TM	tert-butylbenzene	1.158	1.117	3.5	102	0.01
82	TM	1,2,4-Trimethylbenzene	1.399	1.350	3.5	102	0.01
83	T	Diisobutylketone	0.990	0.944	4.6	102	0.00
84	TM	sec-butylbenzene	1.848	1.795	2.9	104	0.01
85	TM	p-isopropyltoluene	1.479	1.433	3.1	104	0.00
86	TM	1,3-Dichlorobenzene	0.683	0.670	1.9	106	0.00
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓106	0.00
88	TM	1,4-Dichlorobenzene	1.607	1.523	5.2	102	0.00
89	TM	n-butylbenzene	3.130	3.001	4.1	103	0.01
90	TM	1,2-Dichlorobenzene	1.444	1.401	3.0	103	0.00
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
92	TM	1,2-Dibromo-3-chloropropane	0.214	0.164 Lin 59%	~~23.4#~~	93	0.00
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
94	TM	1,2,4-Trichlorobenzene	1.102	1.111	-0.8	104	0.00
95	TM	Hexachlorobutadiene	0.547	0.550	-0.5	107	0.00
96	TM	Naphthalene	2.674	2.654	0.7	100	0.00
97	TM	1,2,3-Trichlorobenzene	0.977	0.994	-1.7	105	0.00
98	TM	1,3,5-Trichlorobenzene	1.168	1.191	-2.0	107	0.00

9-2010

(#) = Out of Range SPCC's out = 0 CCC's out = 0
C76180SC.D V808100C.M Tue Sep 14 11:41:17 2010 Page 3

% DRIFT EVALUATION

1=AVERAGE RF
0=LINEAR
3=QUADRATIC

Data File Name: C76180SC.D
Date Acquired: 9/13/10 10:54
Sample Name: 20 PPB

MT 9/14/10

METHOD: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	19.75	20	1.3%	NA	OK
0	Chloromethane	19.04	20	4.8%		OK
1	Vinyl Chloride	18.01	20	9.9%	NA	OK
0	Bromomethane	18.68	20	6.6%		OK
1	Chloroethane	18.38	20	8.1%	NA	OK
1	t-Butyl alcohol (TBA)	67.67	100	32.3%	NA	* MT
1	Trichlorofluoromethane	18.51	20	7.5%	NA	OK
1	Diethyl ether	19.88	20	0.6%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	19.81	20	0.9%	NA	OK
0	Acrolein	112.77	100	12.8%		OK
0	Acetone	87.59	100	12.4%		OK
1	1,1-Dichloroethene	19.52	20	2.4%	NA	OK
0	Methyl iodide	27.89	20	39.5%		*
1	Di-isopropyl ether (DIPE)	18.92	20	5.4%	NA	OK
0	Methylene Chloride	20.83	20	4.1%		OK
1	Carbon Disulfide	20.21	20	1.0%	NA	OK
1	Acrylonitrile	17.49	20	12.6%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	22.30	20	11.5%	NA	OK
1	trans-1,2-Dichloroethene	18.91	20	5.5%	NA	OK
0	1,1-Dichloroethane	19.70	20	1.5%		OK
1	Vinyl acetate	24.87	20	24.4%	NA	*
1	Methyl ethyl ketone	89.52	100	10.5%	NA	OK
1	Ethyl t-butyl ether (ETBE)	19.23	20	3.8%	NA	OK
1	2,2-Dichloropropane	20.46	20	2.3%	NA	OK
1	cis-1,2-Dichloroethene	19.27	20	3.7%	NA	OK
1	t-Amyl methyl ether (TAME)	18.47	20	7.6%	NA	OK
1	Chloroform	19.01	20	5.0%	NA	OK
0	Bromochloromethane	21.80	20	9.0%		OK
0	Tetrahydrofuran	18.17	20	9.1%		OK
1	1,1,1-Trichloroethane	19.88	20	0.6%	NA	OK
1	Ethanol	659.85	1000	34.0%	NA	* MT
1	1,1-Dichloropropene	18.95	20	5.2%	NA	OK
1	Carbon Tetrachloride	19.87	20	0.7%	NA	OK
1	d4-1,2-Dichloroethane	18.76	20	6.2%	NA	OK
1	1,2-Dichloroethane	18.97	20	5.2%	NA	OK
1	Benzene	18.50	20	7.5%	NA	OK
0	Trichloroethene	21.29	20	6.4%		OK
1	1,2-Dichloropropane	19.81	20	1.0%	NA	OK
1	Methylmethacrylate	17.56	20	12.2%	NA	OK
0	Methyl acetate	18.08	20	9.6%		OK

9-7-2010

MT 9/14/10

1	Cyclohexane	21.83	20	9.2%	NA	OK
1	Bromodichloromethane	20.03	20	0.2%	NA	OK
0	Dibromomethane	22.78	20	13.9%		OK
1	1,4-Dioxane	371.81	500	25.6%	NA	* MT
1	Methylcyclohexane	20.89	20	4.4%	NA	OK
1	2-Chloroethylvinyl ether	21.22	20	6.1%	NA	OK
1	2-Hexanone	89.74	100	10.3%	NA	OK
1	Methyl isobutyl ketone	92.29	100	7.7%	NA	OK
1	cis-1,3-Dichloropropene	19.98	20	0.1%	NA	OK
1	d8-Toluene	19.92	20	0.4%	NA	OK
1	Toluene	20.06	20	0.3%	NA	OK
1	trans-1,3-Dichloropropene	19.75	20	1.3%	NA	OK
1	1,1,2-Trichloroethane	20.00	20	0.0%	NA	OK
1	1,3-Dichloropropane	18.28	20	8.6%	NA	OK
1	Tetrachloroethene	17.92	20	10.4%	NA	OK
1	Dibromochloromethane	19.00	20	5.0%	NA	OK
1	1,2-Dibromoethane	18.45	20	7.8%	NA	OK
1	Chlorobenzene	19.17	20	4.2%	NA	OK
1	1,1,1,2-Tetrachloroethane	19.09	20	4.6%	NA	OK
1	Ethylbenzene	19.03	20	4.8%	NA	OK
1	m,p-Xylene	38.59	40	3.5%	NA	OK
1	o-Xylene	19.71	20	1.4%	NA	OK
1	Styrene	19.51	20	2.5%	NA	OK
0	Bromoform	18.82	20	5.9%		OK
1	Isopropylbenzene	19.45	20	2.7%	NA	OK
1	1,1,2,2-Tetrachloroethane	17.95	20	10.3%	NA	OK
1	Bromofluorobenzene	19.60	20	2.0%	NA	OK
0	1,2,3-Trichloropropane	18.95	20	5.2%		OK
1	trans-1,4-Dichloro-2-butene	20.54	20	2.7%	NA	OK
1	n-Propylbenzene	18.95	20	5.2%	NA	OK
1	Bromobenzene	19.57	20	2.2%	NA	OK
1	1,3,5-Trimethylbenzene	19.84	20	0.8%	NA	OK
1	2-Chlorotoluene	19.54	20	2.3%	NA	OK
1	4-Chlorotoluene	19.90	20	0.5%	NA	OK
1	tert-butylbenzene	19.29	20	3.6%	NA	OK
1	1,2,4-Trimethylbenzene	19.30	20	3.5%	NA	OK
1	Diisobutylketone	95.36	100	4.6%	NA	OK
1	sec-butylbenzene	19.42	20	2.9%	NA	OK
1	p-isopropyltoluene	19.37	20	3.1%	NA	OK
1	1,3-Dichlorobenzene	19.61	20	2.0%	NA	OK
1	1,4-Dichlorobenzene	18.95	20	5.2%	NA	OK
1	n-butylbenzene	19.17	20	4.1%	NA	OK
1	1,2-Dichlorobenzene	19.42	20	2.9%	NA	OK
0	1,2-Dibromo-3-chloropropane	17.72	20	11.4%		OK
1	1,2,4-Trichlorobenzene	20.16	20	0.8%	NA	OK
1	Hexachlorobutadiene	20.12	20	0.6%	NA	OK
1	Naphthalene	19.85	20	0.8%	NA	OK
1	1,2,3-Trichlorobenzene	20.35	20	1.7%	NA	OK
1	1,3,5-Trichlorobenzene	20.39	20	1.9%	NA	OK

9-2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 11:08 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	207593	20.00 ug/L	0.01
39) 1,4-Difluorobenzene	8.58	114	400722	20.00 ug/L	0.01
63) *d5-Chlorobenzene	13.10	117	358051 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.82	152	159032	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.97	65	148082	18.78 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.90%		
36) d4-1,2-Dichloroethane	7.97	65	148082	18.76 ug/L	0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 93.80%		
54) d8-Toluene	10.84	98	440138	19.92 ug/L	0.01
Spiked Amount 20.000	Range 85 - 120		Recovery = 99.60%		
73) Bromofluorobenzene	14.98	95	165168	19.60 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 98.00%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	155205	19.75 ug/L	99
3) Chloromethane	1.96	50	200810	19.04 ug/L	97
4) Vinyl Chloride	2.01	62	143167	18.01 ug/L	99
5) Bromomethane	2.49	94	118959	18.68 ug/L	96
6) Chloroethane	2.58	64	110579	18.38 ug/L	99
7) t-Butyl alcohol (TBA)	3.91	59	50622	67.67 ug/L #	77
8) Trichlorofluoromethane	2.90	101	225804	18.51 ug/L	96
9) Diethyl ether	3.30	74	65079	19.88 ug/L	99
10) 1,1,2-Trichlorotrifluoroet	3.51	101	133622	19.81 ug/L	98
11) Acrolein	3.46	56	49617	112.77 ug/L	99
12) Acetone	3.56	43	236827	87.59 ug/L	100
13) 1,1-Dichloroethene	3.74	96	122500	19.52 ug/L	97
14) Methyl iodide	4.18	142	160185	27.89 ug/L	96
15) Di-isopropyl ether (DIPE)	5.56	45	582716	18.92 ug/L	98
16) Methylene Chloride	4.49	84	149574	20.83 ug/L	97
17) Carbon Disulfide	4.46	76	428718	20.21 ug/L	99
18) Acrylonitrile	4.71	53	58538	17.49 ug/L	95
19) Methyl-tert-butyl ether (M	4.81	73	323621	22.30 ug/L	96
20) trans-1,2-Dichloroethene	4.98	61	201908	18.91 ug/L	94
21) 1,1-Dichloroethane	5.68	63	244926	19.70 ug/L	99
22) Vinyl acetate	5.72	43	323156	24.87 ug/L	99
23) Methyl ethyl ketone	6.38	72	66564	89.52 ug/L	100
24) Ethyl t-butyl ether (ETBE)	6.21	59	434405	19.23 ug/L	100
25) 2,2-Dichloropropane	6.59	77	164626	20.46 ug/L	87
26) cis-1,2-Dichloroethene	6.64	96	147464	19.27 ug/L	97
27) t-Amyl methyl ether (TAME)	7.95	73	343017	18.47 ug/L	100

(#) = qualifier out of range (m) = manual integration 9-9-2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 11:08 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.88	83	239029	19.01 ug/L	93
30)	Bromochloromethane	7.11	128	71817	21.80 ug/L	99
31)	Tetrahydrofuran	7.23	71	15962	18.17 ug/L	93
32)	1,1,1-Trichloroethane	7.50	97	194973	19.88 ug/L	99
33)	Ethanol	2.70	45	88145	659.85 ug/L	98
34)	1,1-Dichloropropene	7.73	75	186272	18.95 ug/L	96
35)	Carbon Tetrachloride	7.88	119	116175	19.87 ug/L	96
37)	1,2-Dichloroethane	8.10	62	178435	18.97 ug/L	98
38)	Benzene	8.11	78	472360	18.50 ug/L	98
40)	Trichloroethene	9.05	95	150339	21.29 ug/L	98
41)	1,2-Dichloropropane	9.31	63	138584	19.81 ug/L	99
42)	Methylmethacrylate	9.45	69	88799	17.56 ug/L	96
43)	Methyl acetate	4.29	43	168272	18.08 ug/L	98
44)	Cyclohexane	7.52	56	250023	21.83 ug/L	96
45)	Bromodichloromethane	9.66	83	163192	20.03 ug/L	95
46)	Dibromomethane	9.72	93	102708	22.78 ug/L	98
47)	1,4-Dioxane	9.72	88	32358	371.81 ug/L	100
48)	Methylcyclohexane	9.14	83	215938	20.89 ug/L	100
50)	2-Chloroethylvinyl ether	10.16	63	84185	21.22 ug/L	99
51)	2-Hexanone	11.52	58	259897	89.74 ug/L	100
52)	Methyl isobutyl ketone	10.20	58	273951	92.29 ug/L	100
53)	cis-1,3-Dichloropropene	10.49	75	215095	19.98 ug/L	98
55)	Toluene	10.95	92	310598	20.06 ug/L	97
56)	trans-1,3-Dichloropropene	11.25	75	199909	19.75 ug/L	97
58)	1,1,2-Trichloroethane	11.47	83	100234	20.00 ug/L	96
59)	1,3-Dichloropropane	11.85	76	199170	18.28 ug/L	98
60)	Tetrachloroethene	11.93	166	132596	17.92 ug/L	94
61)	Dibromochloromethane	12.22	129	141551	19.00 ug/L	99
62)	1,2-Dibromoethane	12.52	107	142214	18.45 ug/L	97
64)	Chlorobenzene	13.16	112	356873	19.17 ug/L	99
65)	1,1,1,2-Tetrachloroethane	13.24	131	122898	19.09 ug/L	99
66)	Ethylbenzene	13.26	91	554439	19.03 ug/L	100
67)	m,p-Xylene	13.38	106	458460	38.59 ug/L	99
68)	o-Xylene	14.04	106	226074	19.71 ug/L	99
69)	Styrene	14.10	104	391513	19.51 ug/L	95
70)	Bromoform	14.58	173	83541	18.82 ug/L	97
71)	Isopropylbenzene	14.60	105	581229	19.45 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.87	83	158569	17.95 ug/L	98
74)	1,2,3-Trichloropropane	15.10	75	115373	18.95 ug/L	98
75)	trans-1,4-Dichloro-2-buten	15.22	89	46967	20.54 ug/L	93
76)	n-Propylbenzene	15.23	91	666198	18.95 ug/L	99

(#) = qualifier out of range (m) = manual integration 9-2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 11:08 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) Bromobenzene	15.26	156	131508	19.57 ug/L #	90
78) 1,3,5-Trimethylbenzene	15.48	105	463686	19.84 ug/L	99
79) 2-Chlorotoluene	15.48	91	417323	19.54 ug/L	98
80) 4-Chlorotoluene	15.56	91	401876	19.90 ug/L	99
81) tert-butylbenzene	16.03	119	399914	19.29 ug/L	97
82) 1,2,4-Trimethylbenzene	16.09	105	483486	19.30 ug/L	98
83) Diisobutylketone	15.18	57	1690002	95.36 ug/L	99
84) sec-butylbenzene	16.37	105	642659	19.42 ug/L	99
85) p-isopropyltoluene	16.58	119	512989	19.37 ug/L	99
86) 1,3-Dichlorobenzene	16.70	146	239836	19.61 ug/L	99
88) 1,4-Dichlorobenzene	16.87	146	242219	18.95 ug/L	98
89) n-butylbenzene	17.24	91	477298	19.17 ug/L	97
90) 1,2-Dichlorobenzene	17.44	146	222874	19.42 ug/L	97
92) 1,2-Dibromo-3-chloropropan	18.68	75	26079	17.72 ug/L #	84
94) 1,2,4-Trichlorobenzene	20.09	180	176612	20.16 ug/L	92
95) Hexachlorobutadiene	20.33	225	87491	20.12 ug/L	97
96) Naphthalene	20.47	128	422086	19.85 ug/L	99
97) 1,2,3-Trichlorobenzene	20.88	180	158047	20.35 ug/L	96
98) 1,3,5-Trichlorobenzene	19.08	180	189375	20.39 ug/L	99

9-2010

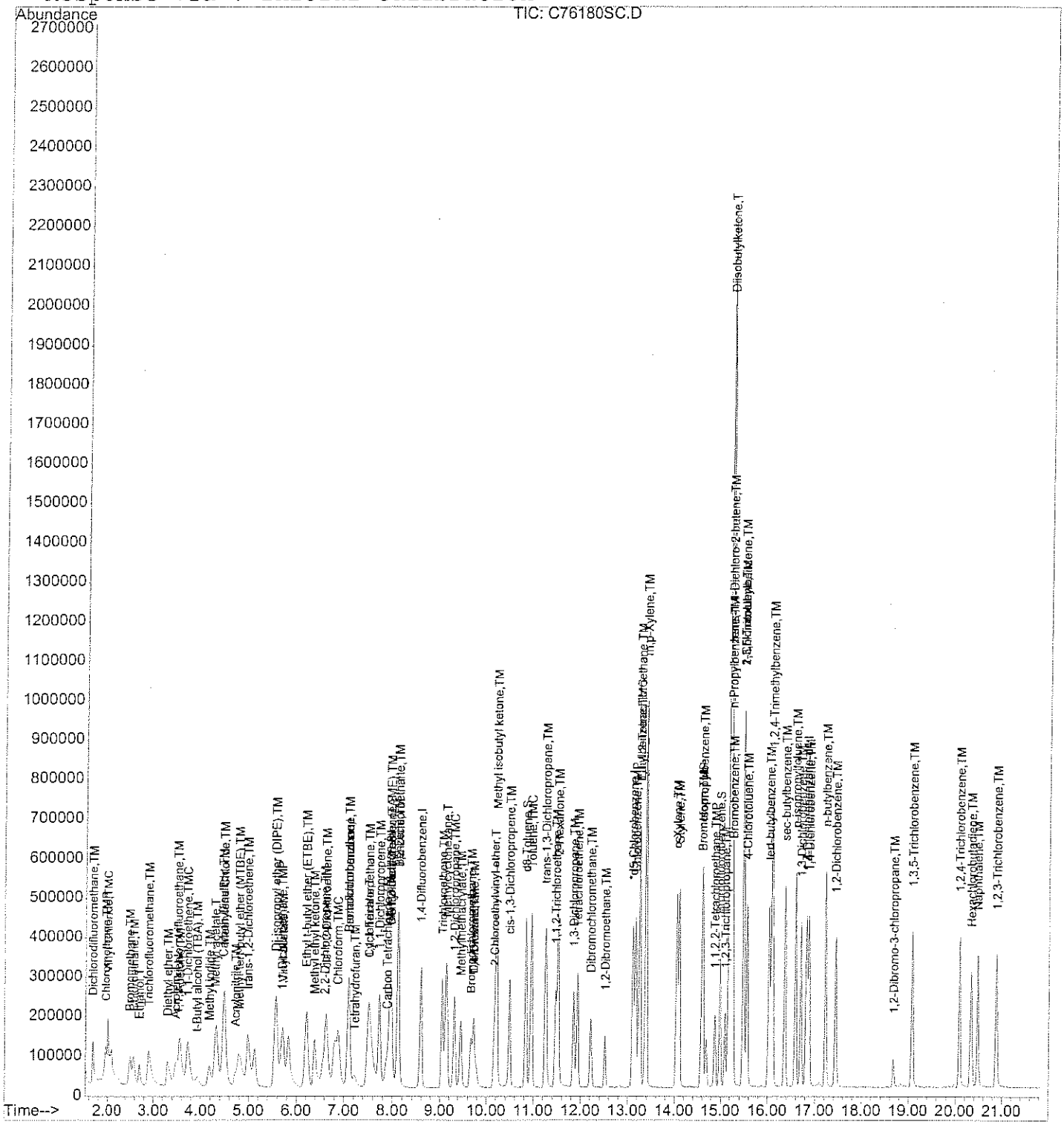
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 11:08 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/13/10



9-2010

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
TED PURGE (Y/N): N

SDG:

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
Upper Limit	393962		7.15		774998		8.65		686338		13.18		299682		16.90	
Lower limit	98491		7.03		193750		8.53		171585		13.06		74921		16.78	
SAMPLE ID																
0.2 PPB	195858		7.10		379188		8.59		335209		13.11		150145		16.83	
0.5 PPB	197160		7.10		377545		8.59		336495		13.11		150633		16.83	
1.0 PPB	198221		7.10		390972		8.59		340345		13.12		151939		16.84	
2.0 PPB	201313		7.10		385421		8.59		340024		13.12		151871		16.84	
5.0 PPB	191436		7.10		377072		8.59		326733		13.11		146462		16.83	
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
50.0 PPB	187674		7.10		375824		8.59		333454		13.12		146646		16.83	
100.0 PPB	212825		7.10		426996		8.59		369802		13.12		156214		16.84	
20 PPB ICV	136751		7.09		264160		8.59		237302		13.12		105646		16.84	
20 PPB ICV2	197193		7.10		389939		8.59		341660		13.12		149620		16.84	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\DATA\081010-C\C75996T.D
Tune Time : 10 Aug 2010 11:05 am

Daily Calibration File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D

						196981	387499	343169
						149841		

OK 08/14/10 vmt 8/11/10

File	Sample	Surrogate Recovery %				Internal Standard Responses		
75997SI.D	0.2 PPB	105	105	89	80	195858	379188	335209
				150145				
75998SI.D	0.5 PPB	104	103	90	78	197160	377545	336495
				150633				
75999SI.D	1.0 PPB	108	108	88	79	198221	390972	340345
				151939				
76000SI.D	2.0 PPB	103	103	89	80	201313	385421	340024
				151871				
76001SI.D	5.0 PPB	106	106	88	80	191436	377072	326733
				146462				
76002SI.D	20.0 PPB	110	110	89	80	196981	387499	343169
				149841				
76003SI.D	50.0 PPB	106	105	89	78	187674	375824	333454
				146646				
76004SI.D	100.0 PP	100	100	87	77	212825	426996	369802
				156214				
76006CC.D	20 PPB I	99	99	103	103	136751	264160	237302
				105646				
76007CC.D	20 PPB I	101	102	100	100	197193	389939	341660
				149620				

t - fails 12hr time check * - fails criteria

Created: Wed Aug 11 09:49:34 2010 Instr_C

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
TED PURGE (Y/N): N

SDG: 67722

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	207593		7.09		400722		8.58		358051		13.10		159032		16.82	
Upper Limit	415186		7.15		801444		8.64		716102		13.16		318064		16.88	
Lower limit	103797		7.03		200361		8.52		179026		13.04		79516		16.76	
SAMPLE ID																
LS09130C	216243		7.08		423790		8.57		367658		13.11		161114		16.82	
LS09130C2	211513		7.08		425087		8.58		378482		13.10		171418		16.82	
MB09130C	214534		7.09		431747		8.58		378639		13.11		163899		16.83	
67722-5	225369		7.08		450317		8.57		385730		13.11		163350		16.83	
67722-1	214598		7.09		424043		8.58		368429		13.11		151004		16.83	
67722-2	159727		7.09		312559		8.58		278607		13.11		117882		16.83	
67722-3	226869		7.09		458435		8.58		387194		13.11		157693		16.83	
67722-4	232908		7.09		459284		8.58		397574		13.11		155998		16.83	
67722-2,MS	209292		7.09		415238		8.59		363446		13.11		157698		16.83	
67722-2,MSD	208183		7.09		419998		8.58		370150		13.11		163548		16.83	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\DATA\091310-C\C76178T.D
Tune Time : 13 Sep 2010 9:49 am

Daily Calibration File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D

207593 400722 358051

MT 9/14/10

159032

File	Sample	Surrogate Recovery %				Internal Standard Responses		
		91	99	104	106			
C76181Q.D	LS09130C	~~50*~~	~~50*~~	~~52*~~	~~53*~~	216243	423790	367658
			161114					
		101	102	104	105			
C76182Q.D	LS09130C	~~51*~~	~~51*~~	~~52*~~	~~52*~~	211513	425087	378482
			171418					
C76183.D	BROMOFOR	92	92	99	98	218226	413382	367245
			160951					
		94	94	95	96			
C76184B.D	MB09130C	~~47*~~	~~47*~~	~~48*~~	~~48*~~	214534	431747	378639
			163899					
C76185.D	67722-5	93	93	97	100	225369	450317	385730
			163350					
C76186.D	67722-1	81	80	86	88	214598	424043	368429
			151004					
C76187.D	67722-2	82	82	88	83	159727	312559	278607
			117882					
C76188.D	67722-3	80	80	84	86	226869	458435	387194
			157693					
C76189.D	67722-4	81	81	87	87	232908	459284	397574
			155998					
C76192.D	67743-1	85	85	84	89	207920	419724	364104
			160584					
C76193.D	67686-16	93	93	97	99	218252	426626	370114
			160384					
C76194.D	67686-14	98	98	98	98	219321	436955	380738
			163431					
C76195.D	67686-15	97	97	98	99	220088	438328	375785
			159761					
C76196SP.D	67722-2,	88	88	92	92	209292	415238	363446
			157698					
C76197SP.D	67722-2,	93	93	91	95	208183	419998	370150
			163548					
C76198SP.D	67708-1,	92	92	99	99	219710	425309	379187
			169720					

9-2010

t - fails 12hr time check * - fails criteria

Created: Tue Sep 14 07:48:57 2010 Instr_C

MT 9/14/10

9-2010

VPH
DATA SUMMARIES

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:VPH.doc

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV091010K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/10/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				77
Surrogate % Recovery (2,5-Dibromotoluene) FID				74
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VPH SOIL REPORT

Sample Name	**MBV091010K**
Data File Name	K28846B.D
Date Acquired	9/10/2010 12:25 ✓
Misc Info	100,10.00,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**1.0000** ✓
% Moisture (divided by 100)	0.0000
Vol. entrained water (mL)	0.0000
Total MeOH/water vol (mL)	10.0000
Dilution Factor	50.00
Moisture Corrected Dilution Factor	50.00

SS 9/13/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2500	
Unadjusted C9-C12 Aliphatics	U		2500	
Benzene	U		100	
Ethylbenzene	U		100	
Methyl-t-butylether	U		100	
Naphthalene	U		100	
Toluene	U		100	ND
m,p-Xylenes	U		200	
o-Xylene	U		100	
C5-C8 Aliphatic Hydrocarbons	U		2500	
C9-C12 Aliphatic Hydrocarbons	U		2500	
C9-C10 Aromatic Hydrocarbons	U		500	
PID Surrogate % Recovery	77%		70-130%	PASS ✓
FID Surrogate % Recovery	74%		70-130%	PASS ✓

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	30.08 ✓	0.00	220300						0
C9-C12 ALIPHATICS	14.36 ✓	0.00	102366						0
2,5-Dibromotoluene	73.77		216977						
PID RESULTS									
Methyl-t-butylether #2	0.20	0.00	949	2.172	2.183	0.0477	OK	0.00	0
Benzene #2	0.81	0.00	10544	3.511	3.512	0.0380	OK	0.00	0
Toluene #2	0.70	0.00	8378	4.881	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.76	0.00	8320	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	1.51	0.00	18938	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.55	0.00	6114	6.558	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.91	0.00	9260	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	8.97 ✓	0.00	105868						0
2,5-Dibromotoluene #2	77.42		611086						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

D91310

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28846B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 12:25 pm
Operator : JJL
Sample : MBV091010K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 08:41:55 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.355	11.354	216977	611086	73.768	77.422
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	73.77% 77.42%
	Target Compounds						
2) Z	2-Methylp...	2.003	2.000	6900	1949	0.843	NoCal #
3) TM	Methyl-t-...	0.000	2.172	0	949	N.D.	0.204 #
4) Z	2,2,4-Tri...	3.321	3.270	4486	559	0.581	NoCal #
5) TM	Benzene	3.513	3.511	8715	10544	NoCal	0.810 #
6) TM	Toluene	4.881	4.881	7332	8378	NoCal	0.703 #
7) XH	C5-C8 ALI...	3.717	0.000	220300	0	30.077	N.D. #
9) TM	Ethylbenzene	6.121	6.121	6376	8320	NoCal	0.761 #
10) TM	m,p-Xylene	6.187	6.187	12586	18938	NoCal	1.509 #
11) TM	o-Xylene	6.557	6.558	5517	6114	NoCal m	0.547m#
12) Z	n-Decane	7.153	7.155	7262	4808	1.053	NoCal #
13) Z	n-Butylcy...	7.822	7.822	4434	6320	0.602	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	102366	0	14.359	N.D. #
15) ZM	1,2,4-Tri...	7.716	7.716	8353	10670	NoCal	0.905 #
16) XH	C9-C10 AR...	10.410	8.424	47	105868	NoCal	8.975 #
17) TM	Naphthalene	10.244	10.244	4373	9260	NoCal	0.909 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

091310

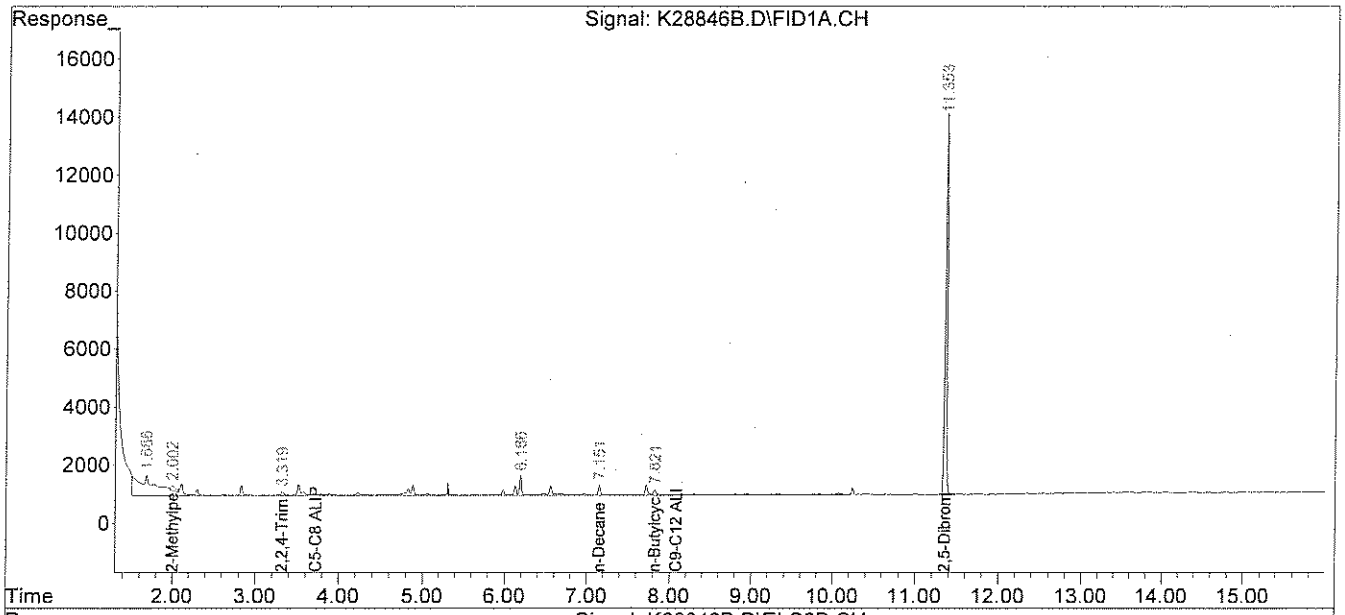
Quantitation Report (QT Reviewed)

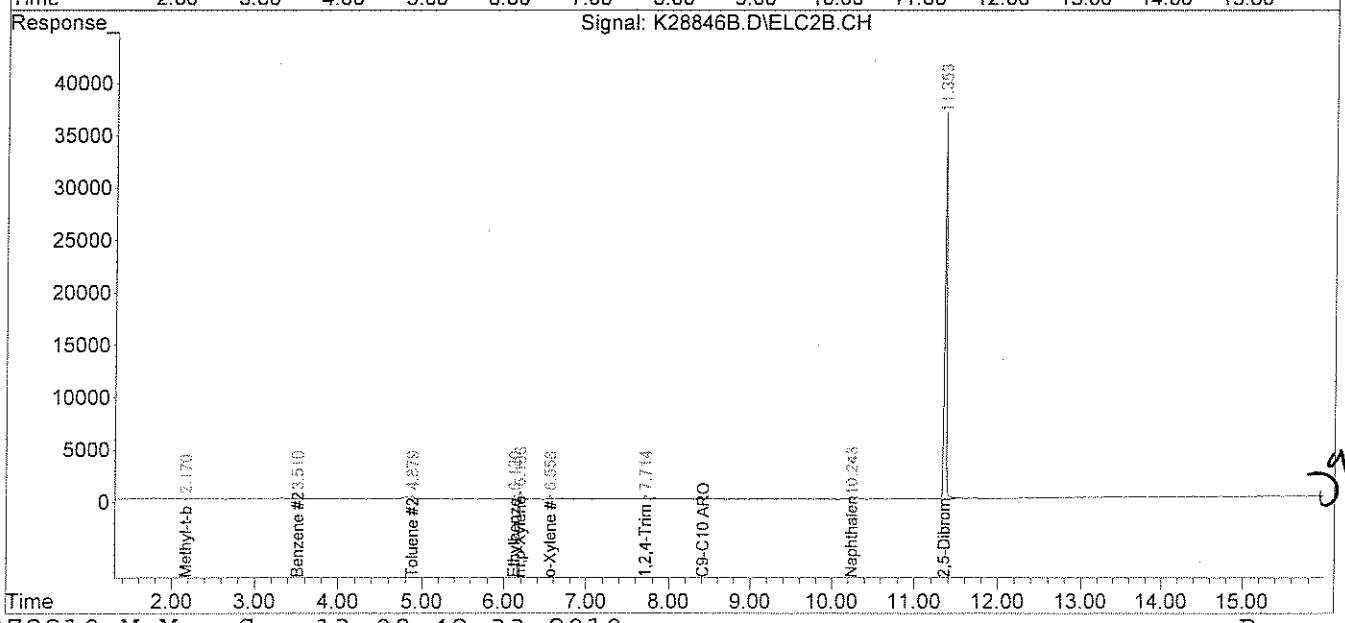
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28846B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 12:25 pm
Operator : JJL
Sample : MBV091010K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 08:41:55 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J9131U

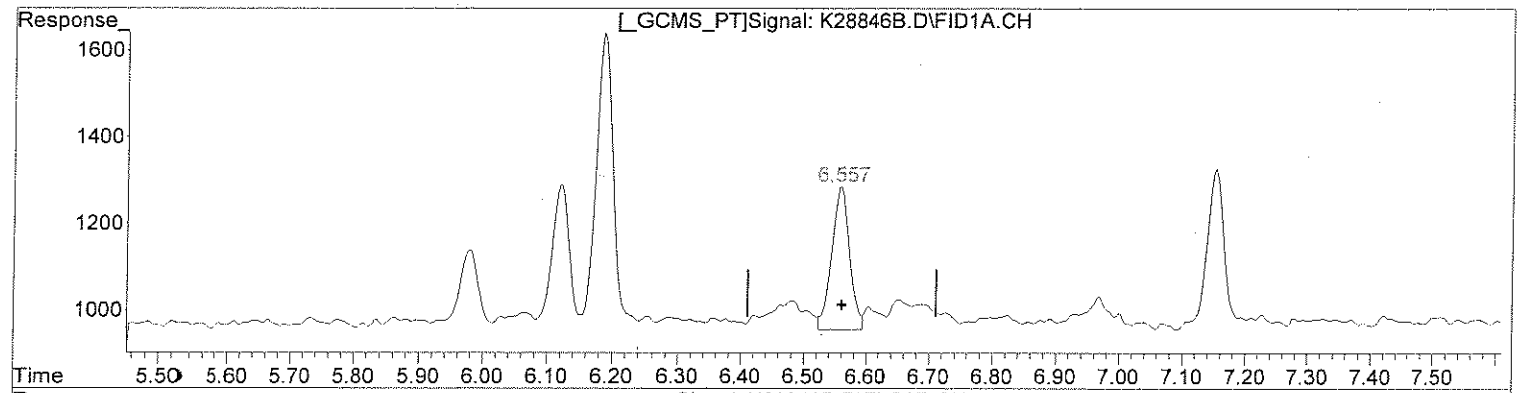
Quantitation Report (QEdit)

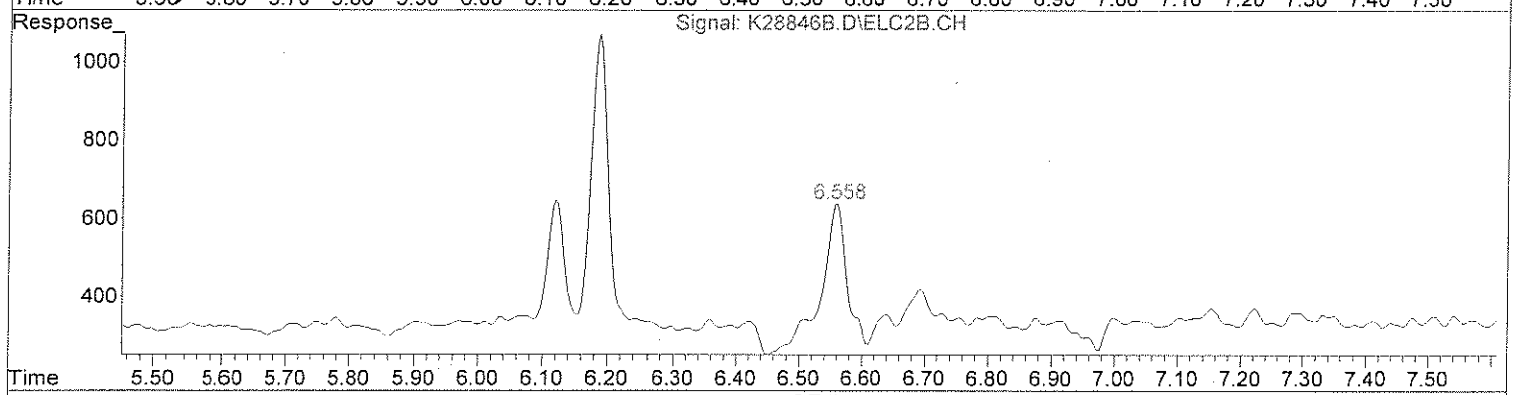
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28846B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 12:25 pm
Operator : JJL
Sample : MBV091010K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 08:36:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 9/13/10 *E.A.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(11) o-Xylene (TM)
6.559min 0.000ug/L
response 6530

(11) o-Xylene #2 (TM)
6.560min 1.044ug/L
response 11680

D 9/13/10

(+) = Expected Retention Time

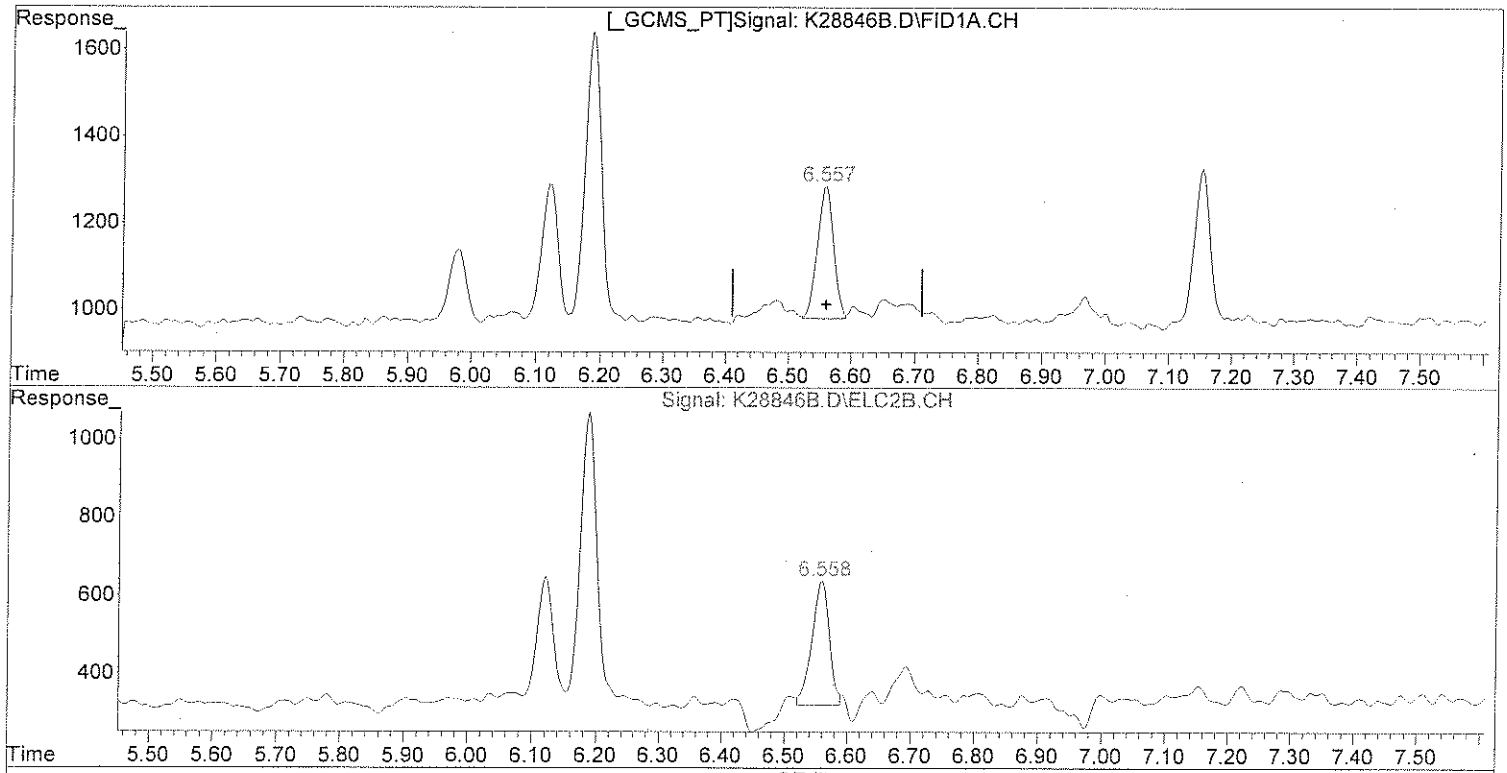
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28846B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 12:25 pm
Operator : JJL
Sample : MBV091010K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 08:36:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) o-Xylene (TM)
6.557min 0.000ug/L m
response 5517

(11) o-Xylene #2 (TM)
6.558min 0.547ug/L m
response 6114

571310

(+) = Expected Retention Time

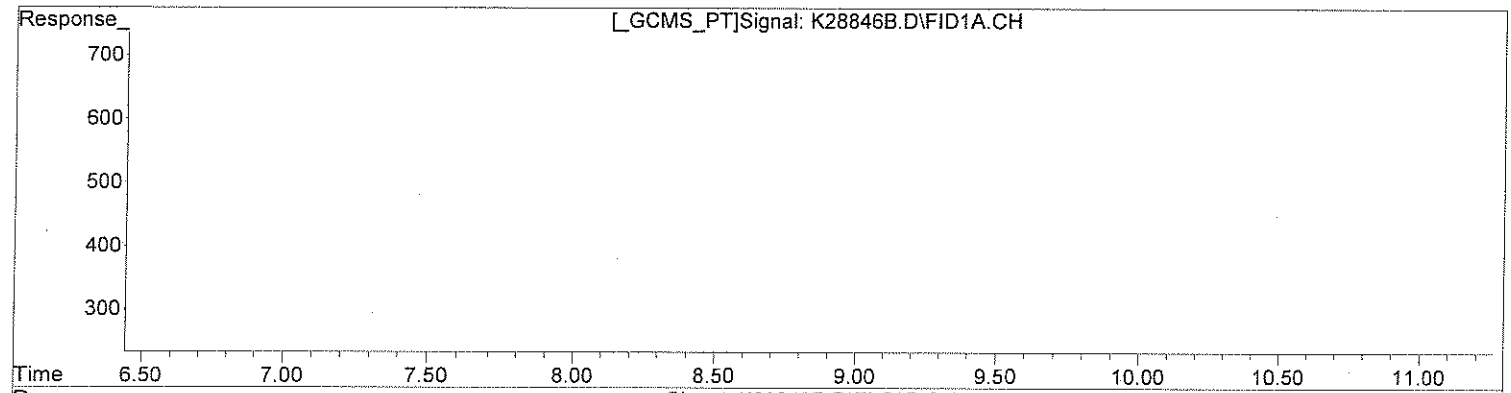
Quantitation Report (Qedit)

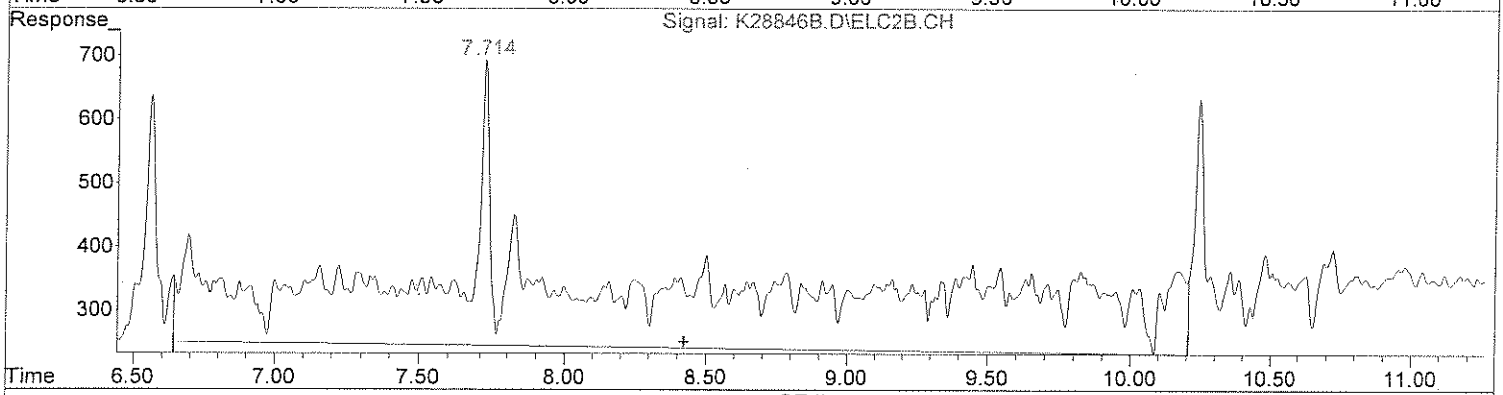
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28846B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 12:25 pm
Operator : JJL
Sample : MBV091010K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 08:36:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 47

(16) C9-C10 AROMATICS #2 (XH)
8.424min 16.893ug/L m
response 199275

09/13/10

(+) = Expected Retention Time

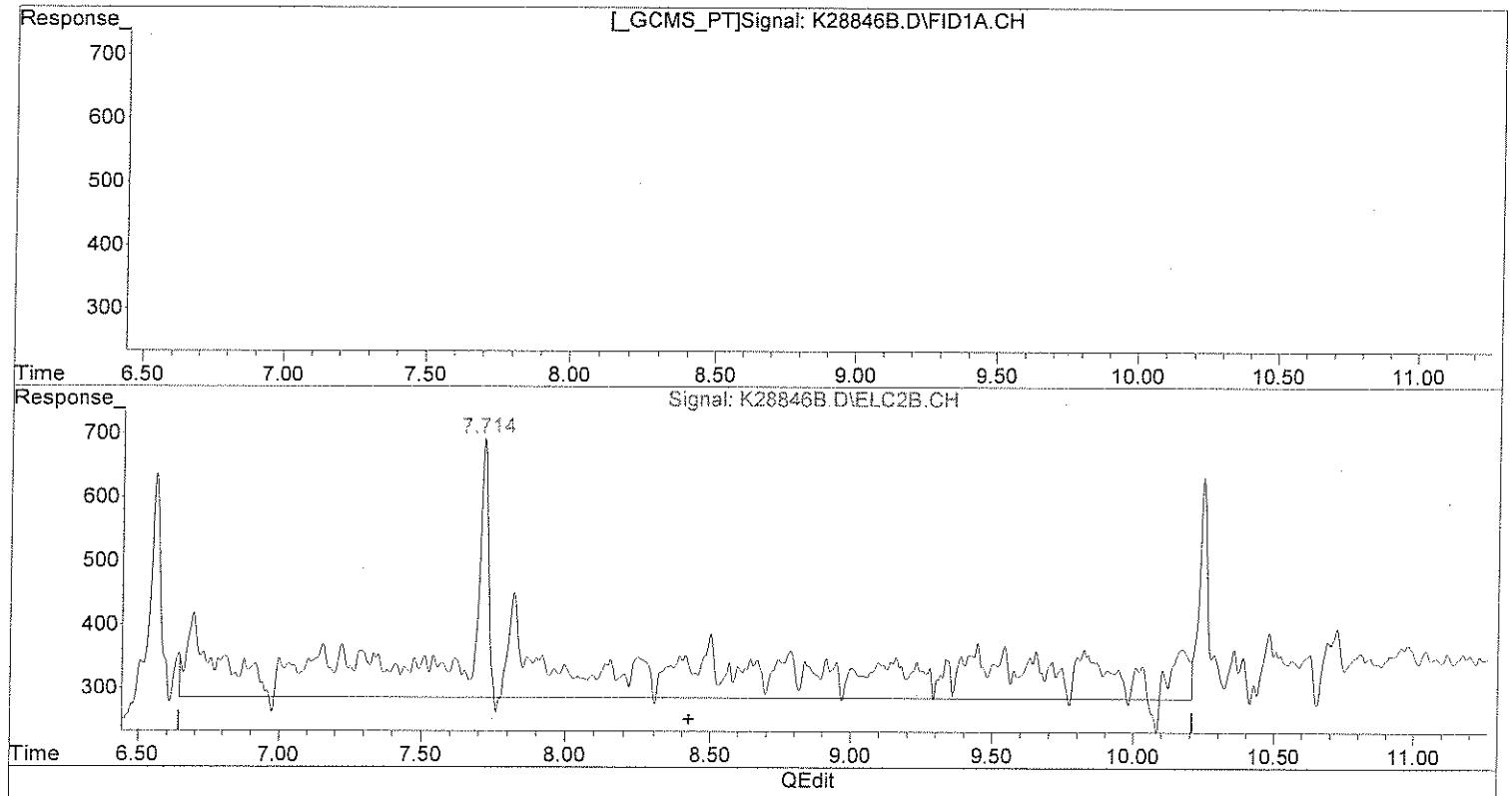
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28846B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 12:25 pm
Operator : JJL
Sample : MBV091010K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 08:36:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 47

(16) C9-C10 AROMATICS #2 (XH)
8.424min 8.975ug/L m
response 105868

9/13/10

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV091310K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/13/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				76
Surrogate % Recovery (2,5-Dibromotoluene) FID				78
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: MPhelell

VPH SOIL REPORT

Sample Name	**MBV091310K**
Data File Name	K28861B.D
Date Acquired	9/13/2010 11:08
Misc Info	100,10.00,SOIL ✓
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00** ✓
% Solid (divided by 100)	**1.0000**
% Moisture (divided by 100)	0.0000
Vol. entrained water (mL)	0.0000
Total MeOH/water vol (mL)	10.0000
Dilution Factor	50.00
Moisture Corrected Dilution Factor	50.00

SB 9/13/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2500	
Unadjusted C9-C12 Aliphatics	U		2500	
Benzene	U		100	
Ethylbenzene	U		100	
Methyl-t-butylether	U		100	
Naphthalene	U		100	ND
Toluene	U		100	
m,p-Xylenes	U		200	
o-Xylene	U		100	
C5-C8 Aliphatic Hydrocarbons	U		2500	
C9-C12 Aliphatic Hydrocarbons	U		2500	
C9-C10 Aromatic Hydrocarbons	U		500	
PID Surrogate % Recovery	76%		70-130%	PASS ✓
FID Surrogate % Recovery	78%		70-130%	PASS ✓

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	28.64 ✓	0.00	209803						0
C9-C12 ALIPHATICS	12.67 ✓	0.00	90309						0
2,5-Dibromotoluene	77.53		228049						
PID RESULTS									
Methyl-t-butylether #2	0.39	0.00	1814	2.170	2.183	0.0477	OK	0.00	0
Benzene #2	0.80	0.00	10345	3.512	3.512	0.0380	OK	0.00	0
Toluene #2	0.70	0.00	8318	4.881	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.68	0.00	7377	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	1.23	0.00	15387	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.67	0.00	7485	6.558	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.60	0.00	6094	10.245	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	5.25 ✓	0.00	61914						0
2,5-Dibromotoluene #2	75.89		598965						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

S91310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28861B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 11:08 am
Operator : JJL
Sample : MBV091310K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 11:32:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SB 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.353	228049	598965	77.532	75.886	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	77.53%	75.89%
		Target Compounds							
2)	Z	2-Methylp...	2.004	2.002	6909	578	0.844	NoCal	#
3)	TM	Methyl-t-...	0.000	2.170	0	1814	N.D.	0.389	#
4)	Z	2,2,4-Tri...	3.320	3.322	5775	3762	0.748	NoCal	#
5)	TM	Benzene	3.513	3.512	9754	10345	NoCal	0.795	#
6)	TM	Toluene	4.881	4.881	8995	8318	NoCal	0.697	#
7)	XH	C5-C8 ALI...	3.717	0.000	209803	0	28.643	N.D.	#
9)	TM	Ethylbenzene	6.121	6.121	8922	7377	NoCal	0.675	#
0)	TM	m,p-Xylene	6.187	6.187	15435	15387	NoCal	1.226	#
1)	TM	o-Xylene	6.559	6.558	12194	7485	NoCal	0.669	#
2)	Z	n-Decane	7.152	7.152	11627	2058	1.686	NoCal	#
3)	Z	n-Butylcy...	7.822	7.821	9040	4100	1.228	NoCal	#
4)	XH	C9-C12 AL...	8.070	0.000	90309	0	12.668	N.D.	#
5)	ZM	1,2,4-Tri...	7.715	7.715	12926	7580	NoCal	0.643	#
6)	XH	C9-C10 AR...	10.410	8.424	8	61914	NoCal	5.249	#
7)	TM	Naphthalene	10.245	10.245	15132	6094	NoCal	0.598	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J91310

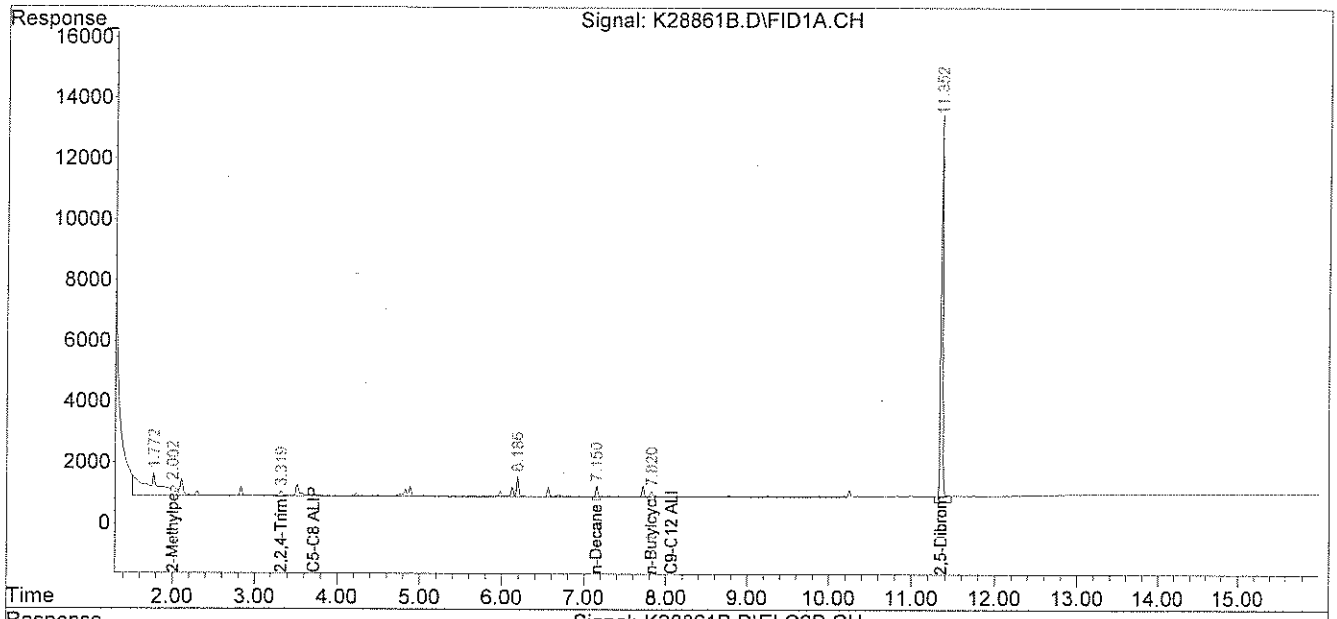
Quantitation Report (Not Reviewed)

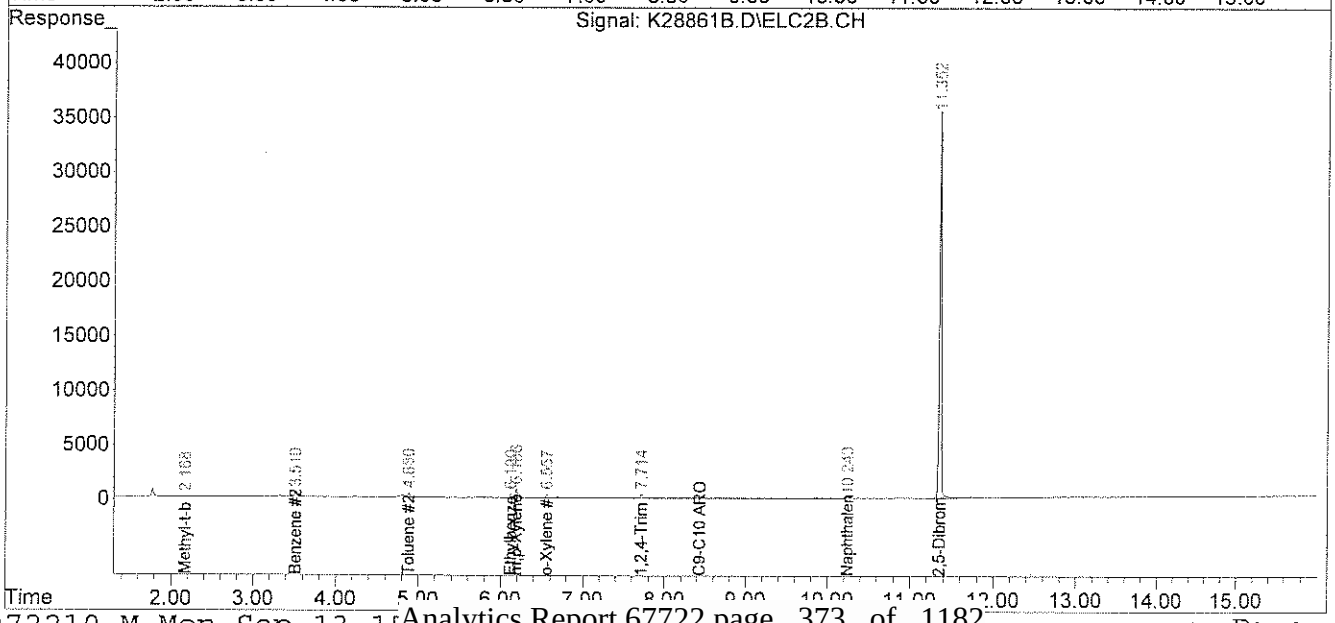
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28861B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 11:08 am
Operator : JJL
Sample : MBV091310K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 11:32:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





091310

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM1-01

SAMPLE DATA

Lab Sample ID:	67722-1
Matrix:	Solid
Percent Solid:	90
Dilution Factor:	734
Collection Date:	09/08/10
Lab Receipt Date:	09/09/10
Analysis Date:	09/13/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	36700	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	36700	µg/kg	**386000**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	36700	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	36700	µg/kg	**234000**
C9-C10 Aromatic Hydrocarbons[1]	N/A	7340	µg/kg	**152000**
Surrogate % Recovery (2,5-Dibromotoluene) PID				126
Surrogate % Recovery (2,5-Dibromotoluene) FID				112
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. Of C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a moisture corrected and dry weight basis. Quantitation limits are increased due to high concentrations of hydrocarbons in the sample.

Authorized signature:

VPH SOIL REPORT

Sample Name	**67722-1,10X**
Data File Name	K28863.D
Date Acquired	9/13/2010 12:14 ✓
Misc Info	10,8.22,SOIL
Vol. MeOH Analyzed (uL)	10
Soil Weight (g)	8.22
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.8978** ✓
% Moisture (divided by 100)	0.1022
Vol. entrained water (mL)	0.8401
Total MeOH/water vol (mL)	10.8401
Dilution Factor	677.51
Moisture Corrected Dilution Factor	734.43

gg 9/13/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		36722	
Unadjusted C9-C12 Aliphatics	385796		36722	
Benzene	U		1469	
Ethylbenzene	U		1469	
Methyl-t-butylether	U		1469	
Naphthalene	~~U~~ 1260J		1469	
Toluene	U		1469	
m,p-Xylenes	U		2938	
o-Xylene	U		1469	
C5-C8 Aliphatic Hydrocarbons	U		36722	
C9-C12 Aliphatic Hydrocarbons	234196		36722	
C9-C10 Aromatic Hydrocarbons	151600		7344	
PID Surrogate % Recovery	126%		70-130%	PASS ✓
FID Surrogate % Recovery	112%		70-130%	PASS ✓

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	18.12 ✓	0.00	132729						0
C9-C12 ALIPHATICS	525.30 ✓	385796.06	3744853						385796
2,5-Dibromotoluene	10.29		30274						
PID RESULTS									
Methyl-t-butylether #2	0.26	0.00	1235	2.165	2.183	0.0477	OK	0.00	0
Benzene #2	0.06	0.00	811	3.506	3.512	0.0380	OK	0.00	0
Toluene #2	0.17	0.00	2010	4.881	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.39	0.00	4306	6.109	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.22	0.00	2817	6.185	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.24	0.00	2638	6.565	6.561	0.0344	OK	0.00	0
Naphthalene #2	1.71	~~0.00~~ 1260	17454	10.240	10.248	0.0344	OK	0.00	~~0~~ 1260J
C9-C10 AROMATICS #2	206.42 ✓	151599.87	2434904						151600
2,5-Dibromotoluene #2	11.63		91820						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									234196

2713W

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28863.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 12:14 pm
Operator : JJL
Sample : 67722-1,10X
Misc : 10,8.22,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:15:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18)	S 2,5-Dibro...	11.352	11.351	30274	91820	10.293m	11.633m
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	10.29%# 11.63%#
	Target Compounds						
2)	Z 2-Methylp...	2.003	2.051	2619	622	0.320	NoCal #
3)	TM Methyl-t-...	0.000	2.165	0	1235	N.D.	0.265 #
4)	Z 2,2,4-Tri...	3.281	3.316	3703	1390	0.480	NoCal #
5)	TM Benzene	3.524	3.506	445	811	NoCal	0.062 #
6)	TM Toluene	4.878	4.881	1301	2010	NoCal	0.169 #
7)	XH C5-C8 ALI...	3.717	0.000	132729	0	18.121	N.D. #
9)	TM Ethylbenzene	6.098	6.109	8215	4306	NoCal	0.394 #
10)	TM m,p-Xylene	6.167	6.185	5937	2817	NoCal	0.225 #
11)	TM o-Xylene	6.567	6.565	4585	2638	NoCal	0.236 #
12)	Z n-Decane	7.152	7.152	129006	21649	18.706	NoCal #
13)	Z n-Butylcy...	7.831	7.820	128208	47909	17.416	NoCal #
14)	XH C9-C12 AL...	10.120f	0.000	3744853	0	525.299	N.D. #
15)	ZM 1,2,4-Tri...	7.721	7.719	35225	19116	NoCal	1.621 #
16)	XH C9-C10 AR...	10.410	8.424	779	2434904	NoCal	206.418 #
17)	TM Naphthalene	10.239	10.240	14132	17454	NoCal m	1.712m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9/13/10

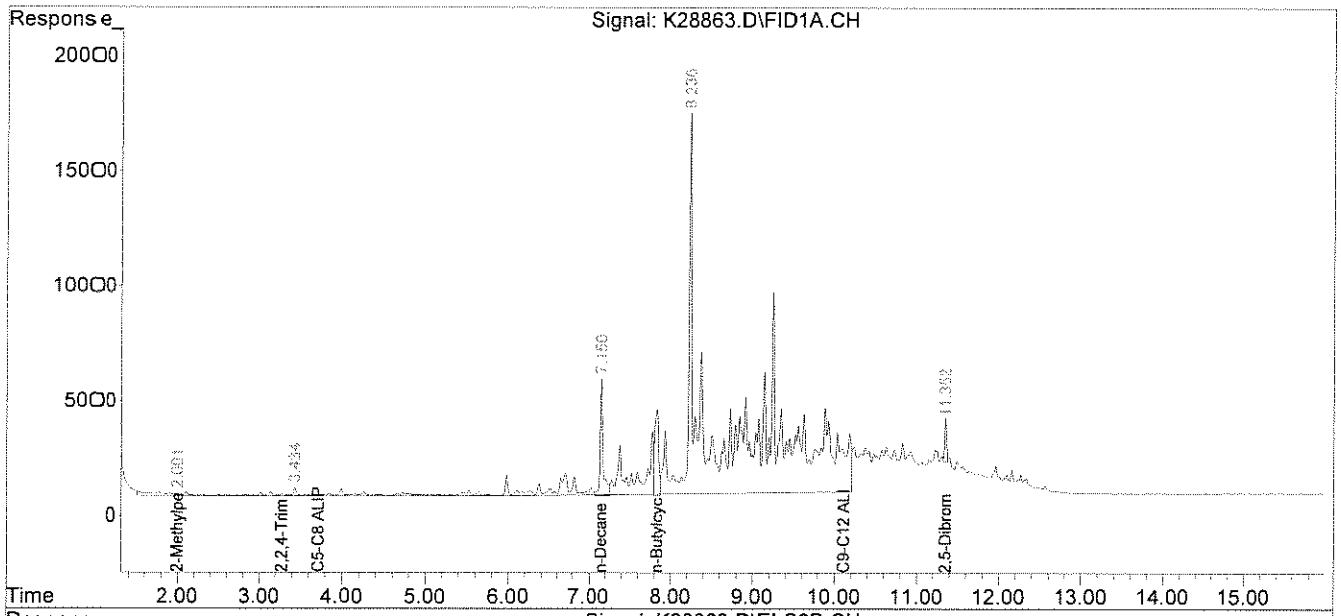
Quantitation Report (QT Reviewed)

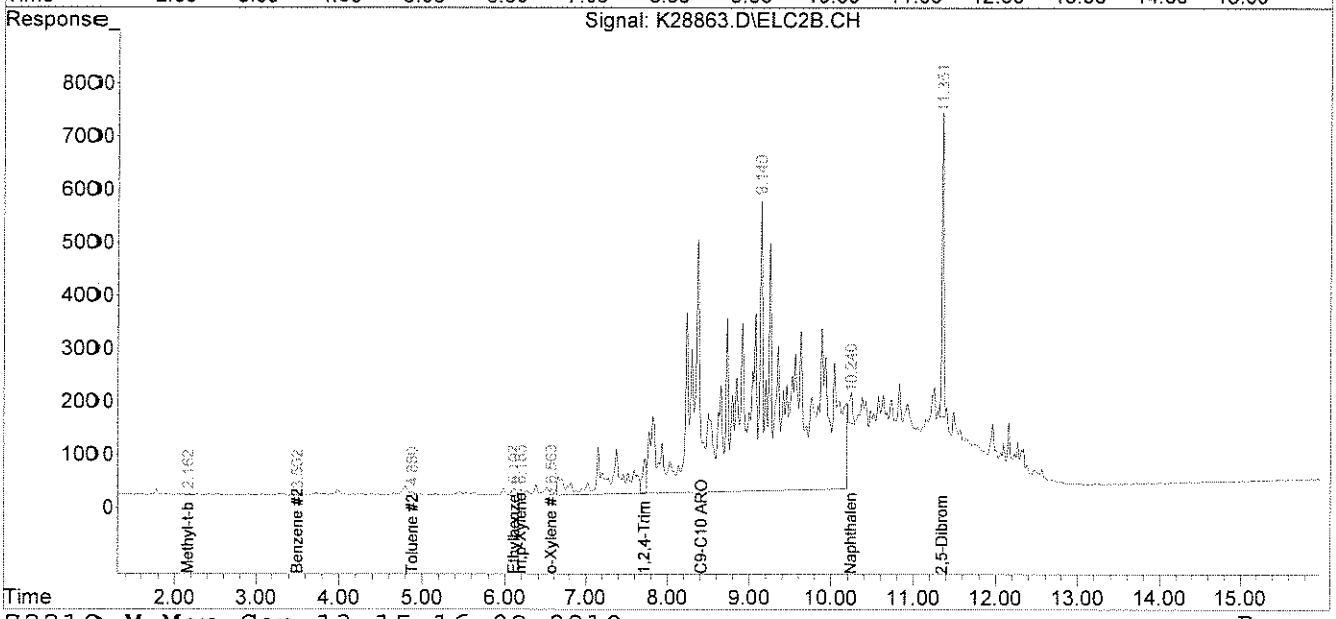
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28863.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 12:14 pm
Operator : JJL
Sample : 67722-1,10X
Misc : 10,8.22,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:15:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJ 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





291340

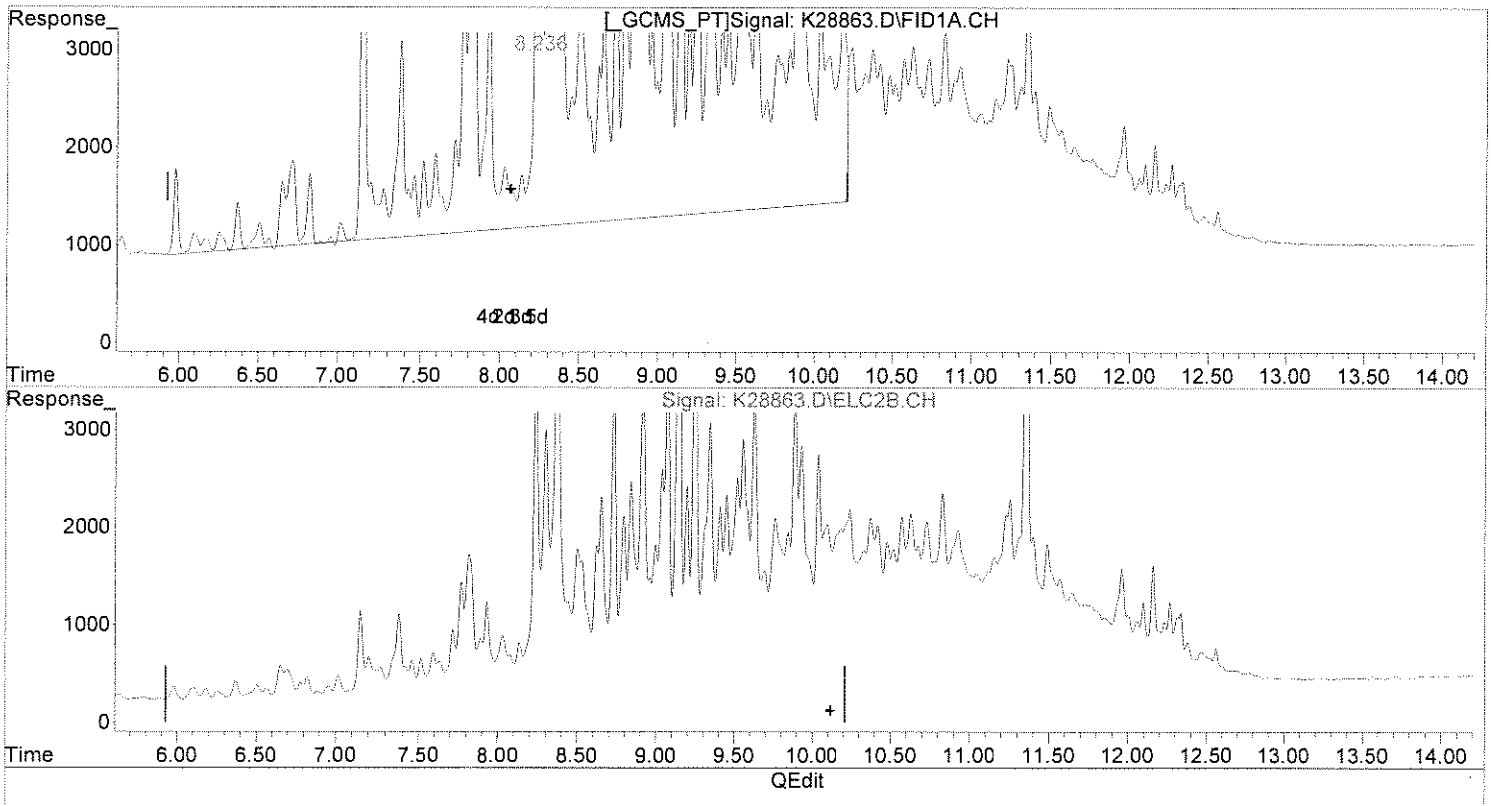
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28863.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 12:14 pm
Operator : JJL
Sample : 67722-1,10X
Misc : 10,8.22,SOIL
ALS Vial : 8 Sample Multiplier: 1

gg 9/13/10
Baseline

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:14:28 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) C9-C12 ALIPHATICS (XH)
8.070min 458.085ug/L m
response 3265682

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

091310

(+) = Expected Retention Time

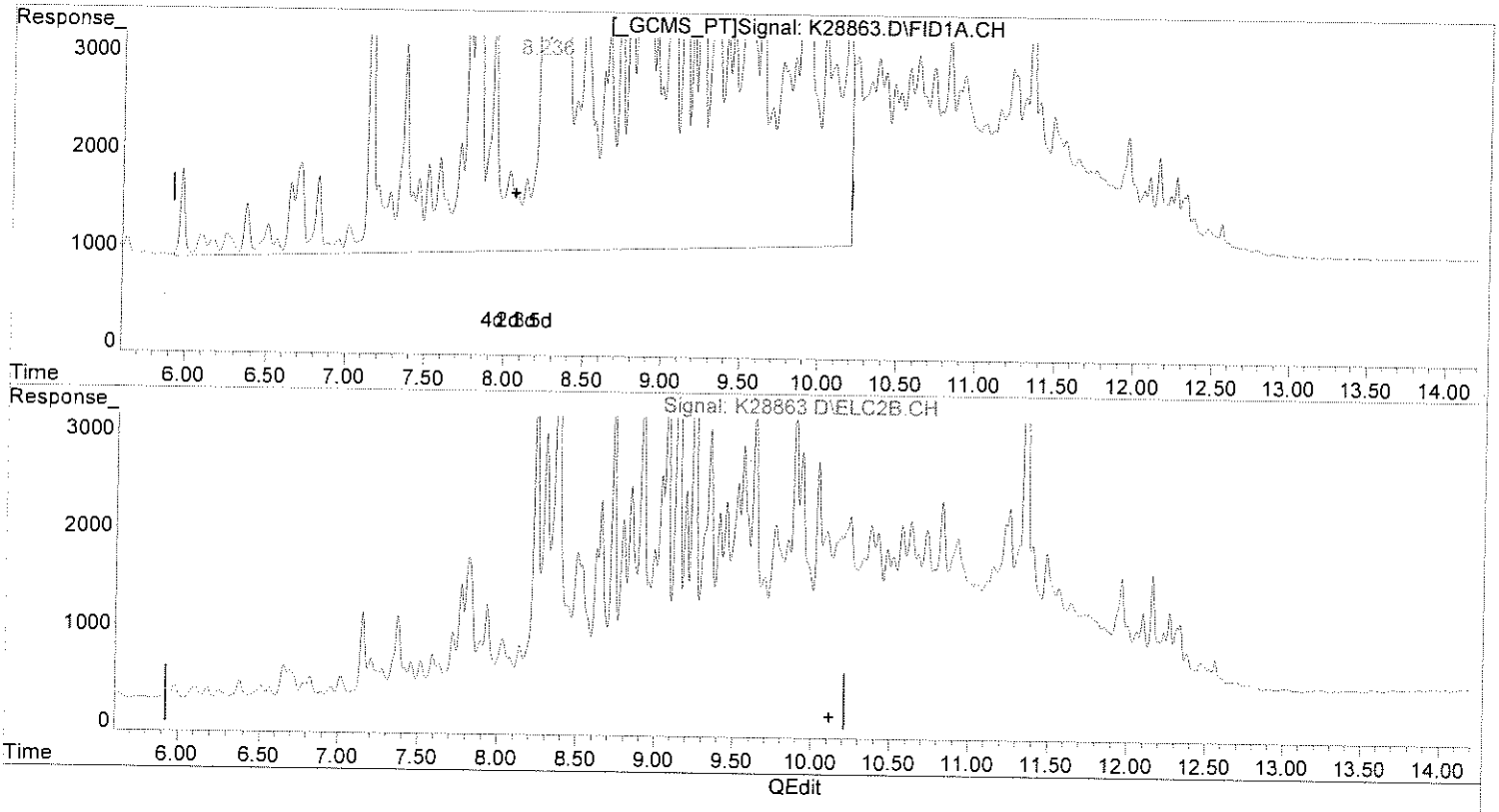
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28863.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 12:14 pm
Operator : JJL
Sample : 67722-1,10X
Misc : 10,8.22,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:14:28 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJ 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) C9-C12 ALIPHATICS (XH)
10.120min 525.299ug/L m
response 3744853

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

071310

(+) = Expected Retention Time
VPH072210.M Mon Sep 13 15:14:52 2010

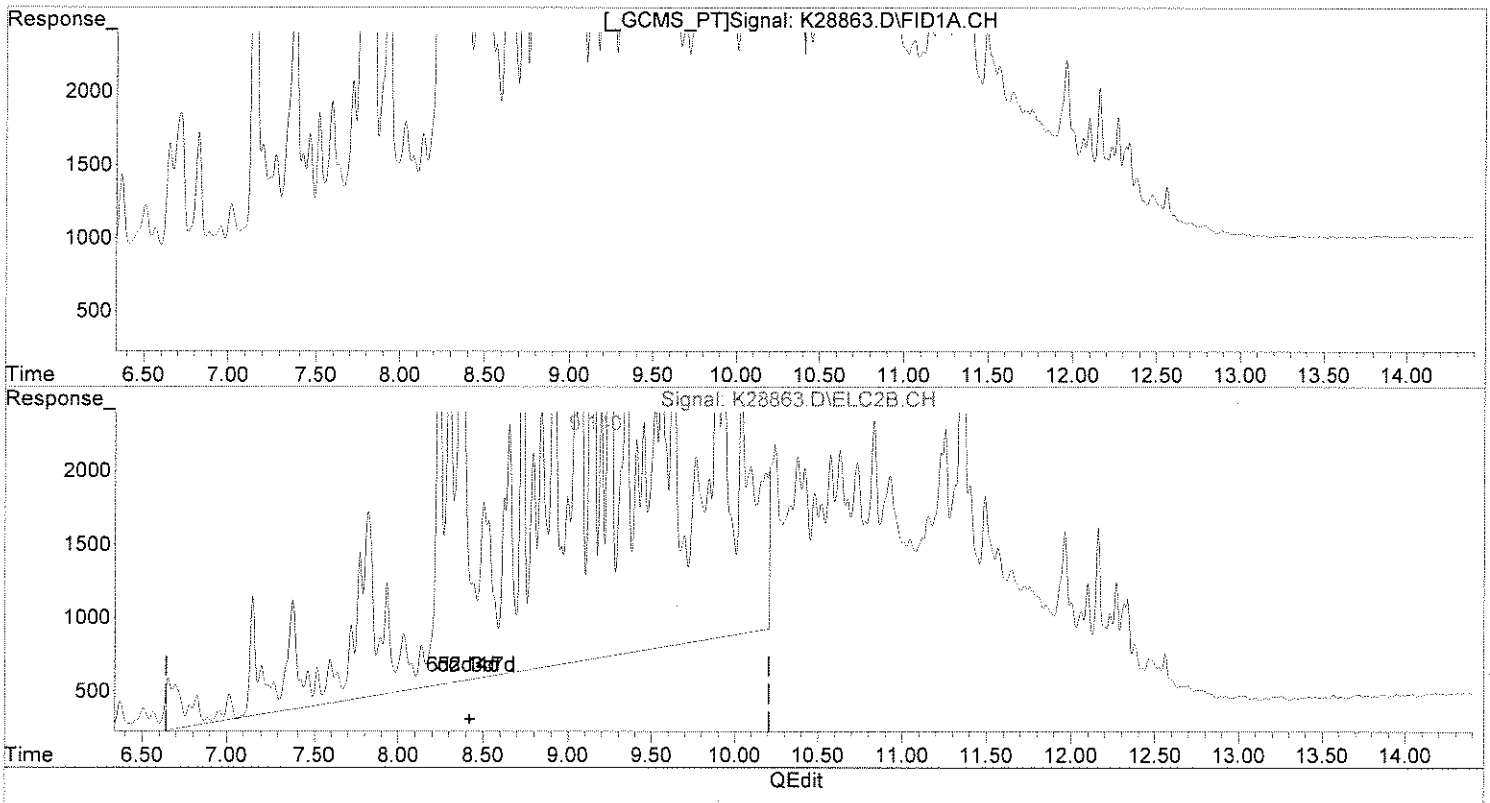
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28863.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 12:14 pm
Operator : JJL
Sample : 67722-1,10X
Misc : 10,8.22,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:14:28 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/13/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 779

(16) C9-C10 AROMATICS #2 (XH)
8.424min 157.511ug/L m
response 1857995

J71310

(+) = Expected Retention Time

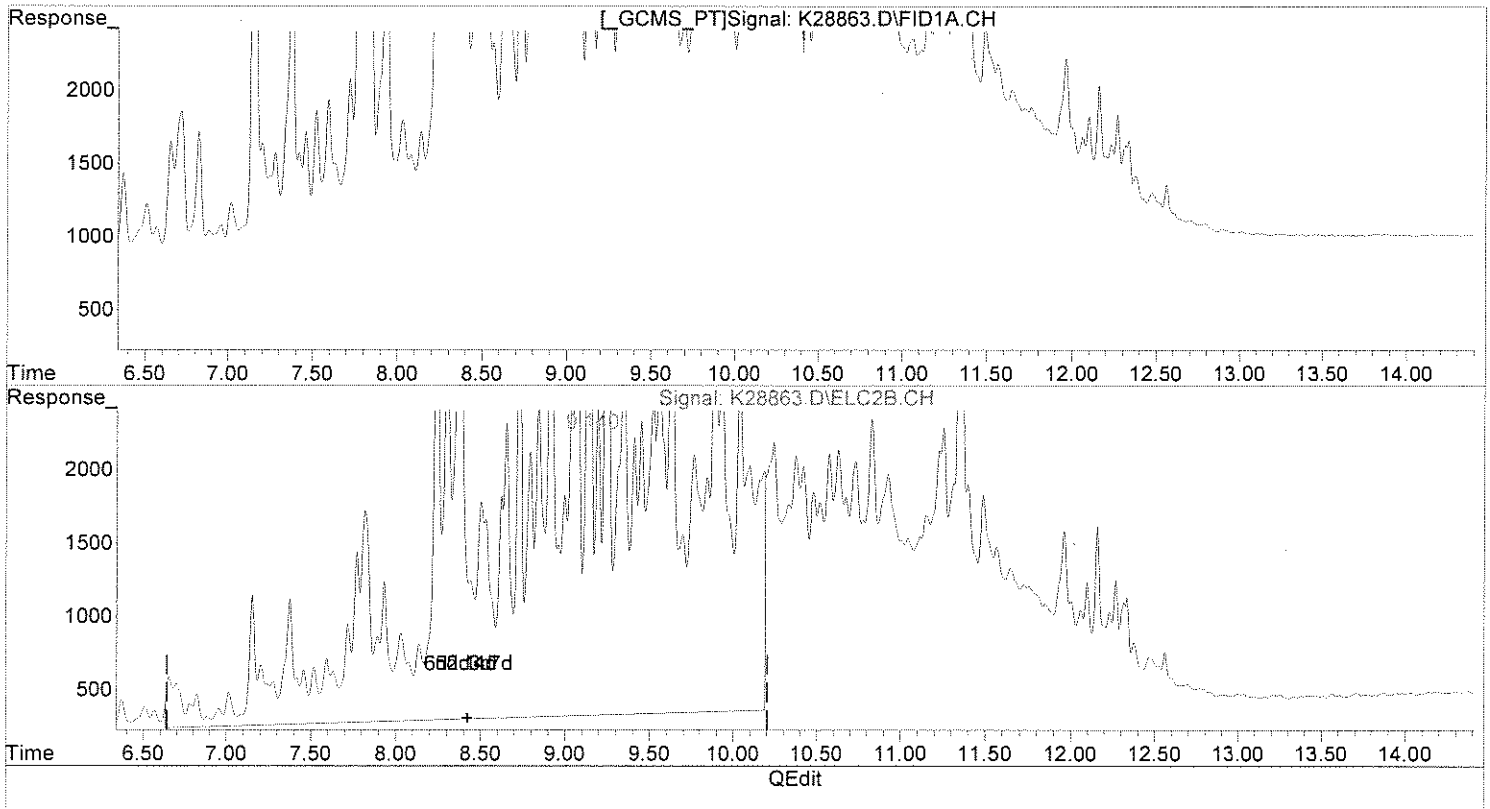
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28863.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 12:14 pm
Operator : JJL
Sample : 67722-1,10X
Misc : 10,8.22,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:14:28 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJ 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 779

(16) C9-C10 AROMATICS #2 (XH)
8.424min 206.418ug/L m
response 2434904

9/13/10

(+) = Expected Retention Time

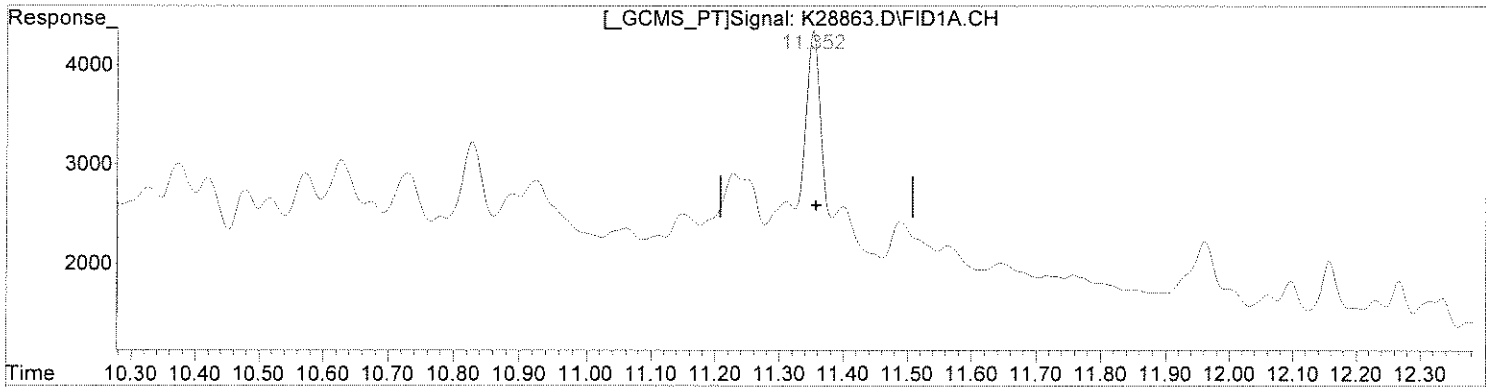
Quantitation Report (Qedit)

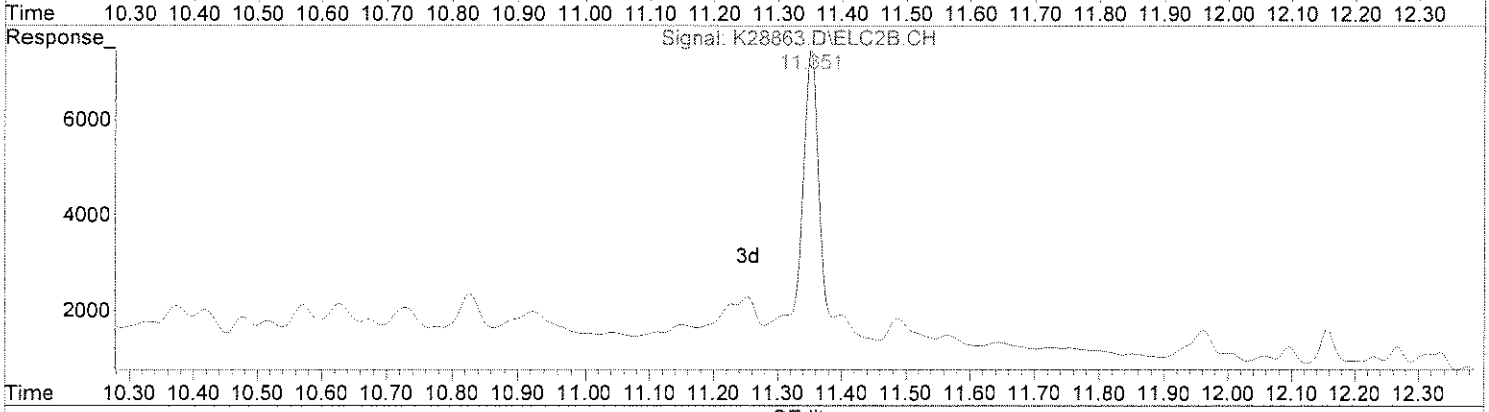
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28863.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 12:14 pm
Operator : JJL
Sample : 67722-1,10X
Misc : 10,8.22,SOIL
ALS Vial : 8 Sample Multiplier: 1

gg 9/13/10 *m.p.

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:14:28 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(18) 2,5-Dibromotoluene (S)
11.353min 44.151ug/L
response 129863

(18) 2,5-Dibromotoluene #2 (S)
11.353min 23.106ug/L
response 182375

291610

(+) = Expected Retention Time

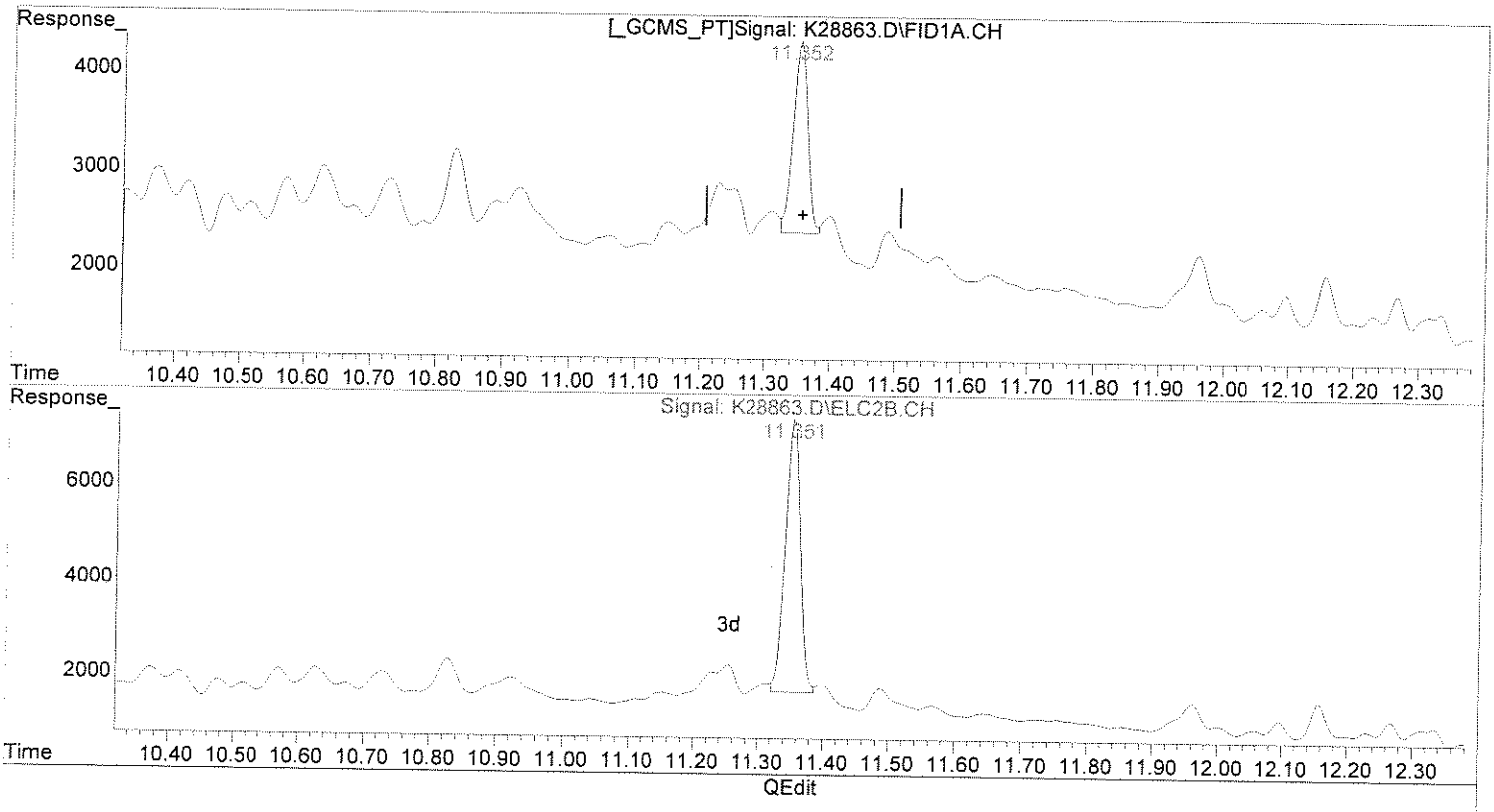
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28863.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 12:14 pm
Operator : JJL
Sample : 67722-1,10X
Misc : 10,8.22,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:14:28 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,5-Dibromotoluene (S)
11.352min 10.293ug/L m
response 30274

(18) 2,5-Dibromotoluene #2 (S)
11.351min 11.633ug/L m
response 91820

291310

(+) = Expected Retention Time
VPH072210.M Mon Sep 13 15:15:42 2010

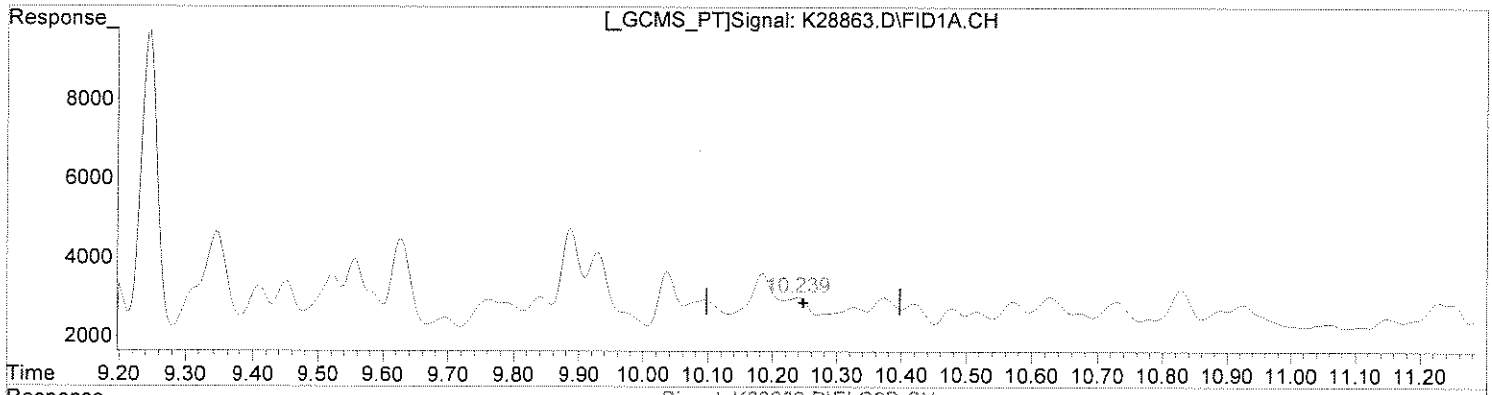
Quantitation Report (Qedit)

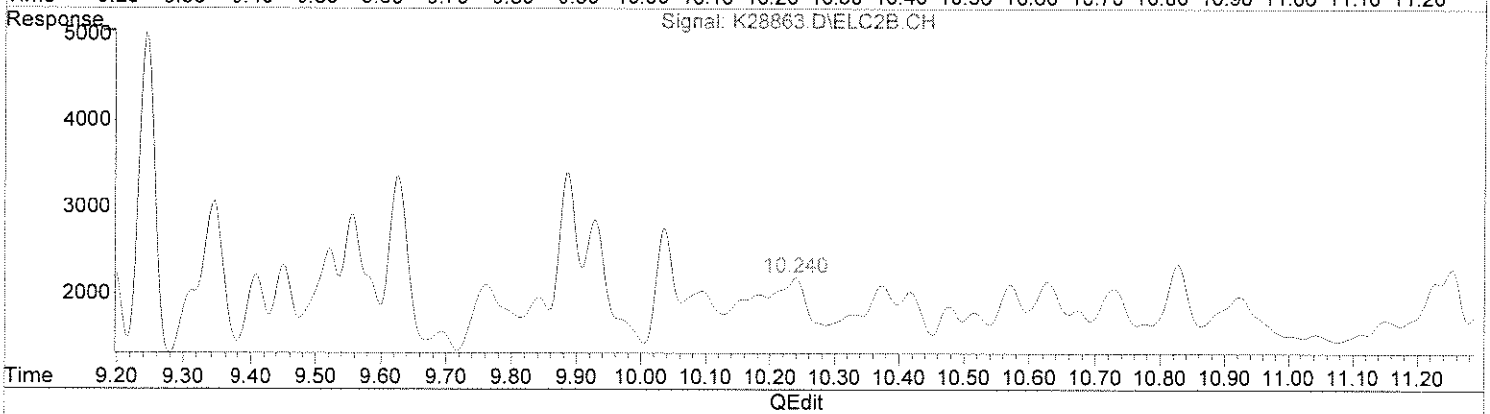
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28863.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 12:14 pm
Operator : JJL
Sample : 67722-1,10X
Misc : 10,8.22,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:14:28 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10
*m.p.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(17) Naphthalene (TM)
10.239min 0.000ug/L
response 62235

(17) Naphthalene #2 (TM)
10.241min 8.469ug/L
response 86316

D71310

(+) = Expected Retention Time

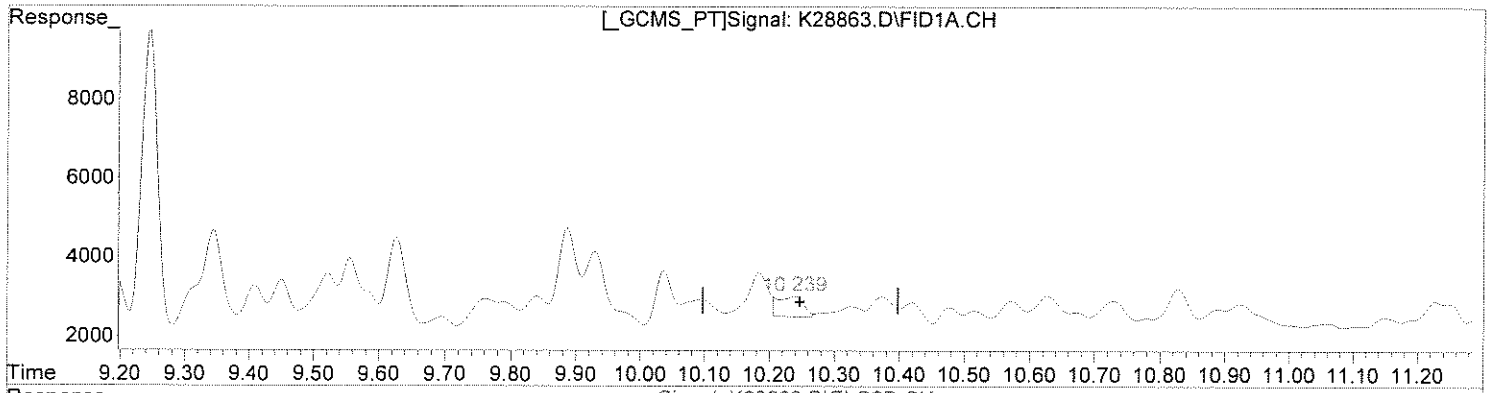
Quantitation Report (Qedit)

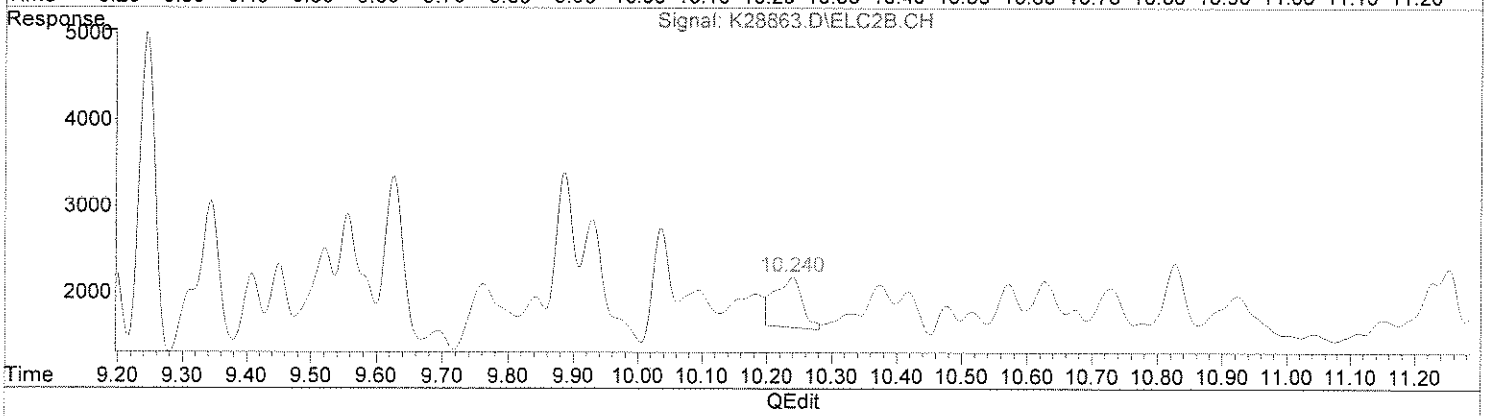
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28863.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 12:14 pm
Operator : JJL
Sample : 67722-1,10X
Misc : 10,8.22,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:14:28 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(17) Naphthalene (TM)
10.239min 0.000ug/L m
response 14132

(17) Naphthalene #2 (TM)
10.240min 1.712ug/L m
response 17454

D 9/13/10

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM2-01

SAMPLE DATA

Lab Sample ID: 67722-2
Matrix: Solid
Percent Solid: 92
Dilution Factor: 527
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/10/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	26400	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	26400	µg/kg	**553000 E**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	26400	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	26400	µg/kg	**347000 E**
C9-C10 Aromatic Hydrocarbons[1]	N/A	5270	µg/kg	**206000**
Surrogate % Recovery (2,5-Dibromotoluene) PID				97
Surrogate % Recovery (2,5-Dibromotoluene) FID				103
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a moisture corrected and dry weight basis.

Authorized signature:

VPH SOIL REPORT

Sample Name	**67722-2,10X**
Data File Name	K28848.D
Date Acquired	9/10/2010 14:10 ✓
Misc Info	10,11.21,SOIL
Vol. MeOH Analyzed (uL)	10
Soil Weight (g)	11.21
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9209** ✓
% Moisture (divided by 100)	0.0791
Vol. entrained water (mL)	0.8867
Total MeOH/water vol (mL)	10.8867
Dilution Factor	484.34
Moisture Corrected Dilution Factor	527.29

BB 9/13/10
RR@ 20X

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		26364	
Unadjusted C9-C12 Aliphatics	553125 E		26364	
Benzene	U		1055	
Ethylbenzene	U		1055	
Methyl-t-butylether	U		1055	
Naphthalene	5834		1055	
Toluene	U		1055	
m,p-Xylenes	U		2109	
o-Xylene	U		1055	
C5-C8 Aliphatic Hydrocarbons	U		26364	
C9-C12 Aliphatic Hydrocarbons	347175 E		26364	
C9-C10 Aromatic Hydrocarbons	205950		5273	
PID Surrogate % Recovery	97%		70-130%	PASS ✓
FID Surrogate % Recovery	103%		70-130%	PASS ✓

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	13.38 ✓	0.00	98010						0
C9-C12 ALIPHATICS	1049.00 E	553124.78	7478296						553125
2,5-Dibromotoluene	9.44		27753						
PID RESULTS									
Methyl-t-butylether #2	0.05	0.00	246	2.182	2.183	0.0477	OK	0.00	0
Benzene #2	0.06	0.00	781	3.519	3.512	0.0380	OK	0.00	0
Toluene #2	0.15	0.00	1830	4.881	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.39	0.00	4290	6.096	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.20	0.00	2543	6.189	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.24	0.00	2725	6.567	6.561	0.0344	OK	0.00	0
Naphthalene #2	11.06	5833.91 ✓	112768	10.244	10.248	0.0344	OK	5833.91	5834
C9-C10 AROMATICS #2	390.58 ✓	205949.74	4607305						205950
2,5-Dibromotoluene #2	8.94		70539						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									347175

J 9/13/10

9/13/2010 9:01 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28848.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:10 pm
Operator : JJL
Sample : 67722-2,10X
Misc : 10,11.21,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:00:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18)	S 2,5-Dibro...	11.353	11.353	27753	70539	9.436m	8.937m	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	9.44%#	8.94%#
	Target Compounds							
2)	Z 2-Methylp...	2.004	2.010	1202	323	0.147	NoCal	#
3)	TM Methyl-t-...	2.214	2.182	142	246	NoCal	0.053	#
4)	Z 2,2,4-Tri...	3.286	3.274	415	359	0.054	NoCal	#
5)	TM Benzene	3.524	3.519	616	781	NoCal	0.060	#
6)	TM Toluene	4.883	4.881	1233	1830	NoCal	0.153	#
7)	XH C5-C8 ALI...	3.717	0.000	98010	0	13.381	N.D.	#
9)	TM Ethylbenzene	6.103	6.096	7300	4290	NoCal	0.393	#
10)	TM m,p-Xylene	6.179	6.189	4062	2543	NoCal	0.203	#
11)	TM o-Xylene	6.569	6.567	3736	2725	NoCal	0.244	#
12)	Z n-Decane	7.152	7.153	111997	22582	16.239	NoCal	#
13)	Z n-Butylcy...	7.834	7.825	160476	60291	21.800	NoCal	#
14)	XH C9-C12 AL...	10.120f	0.000	7478296	0	1048.998	N.D.	#
15)	ZM 1,2,4-Tri...	7.722	7.720	46310	26584	NoCal	2.254	#
16)	XH C9-C10 AR...	10.410	8.424	1795	4607305	NoCal	390.582	#
17)	TM Naphthalene	10.246	10.244	149315	112768	NoCal	11.064	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

071310

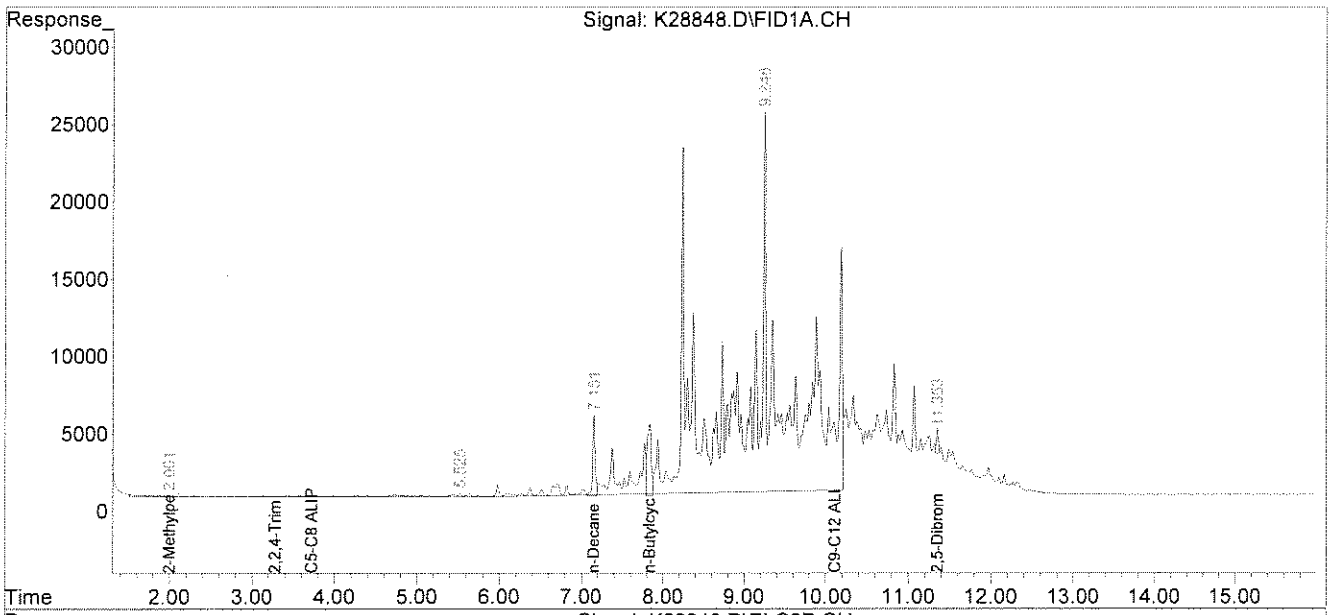
Quantitation Report (QT Reviewed)

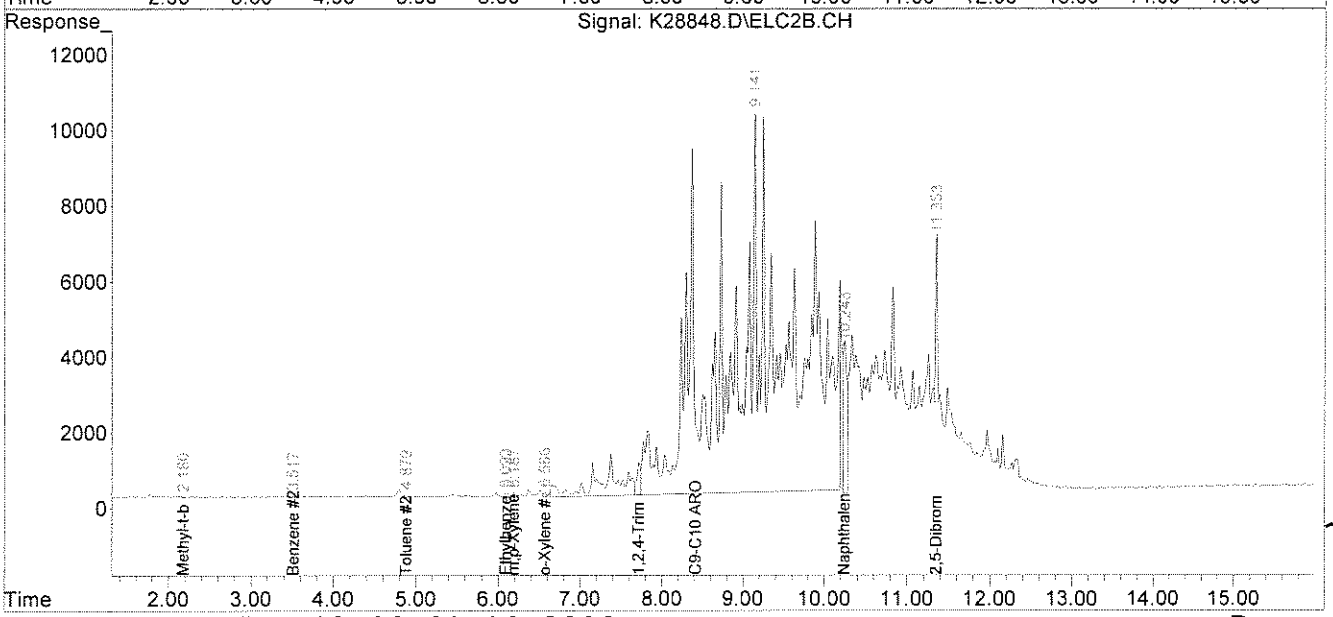
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28848.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:10 pm
Operator : JJL
Sample : 67722-2,10X
Misc : 10,11.21,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:00:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





091310

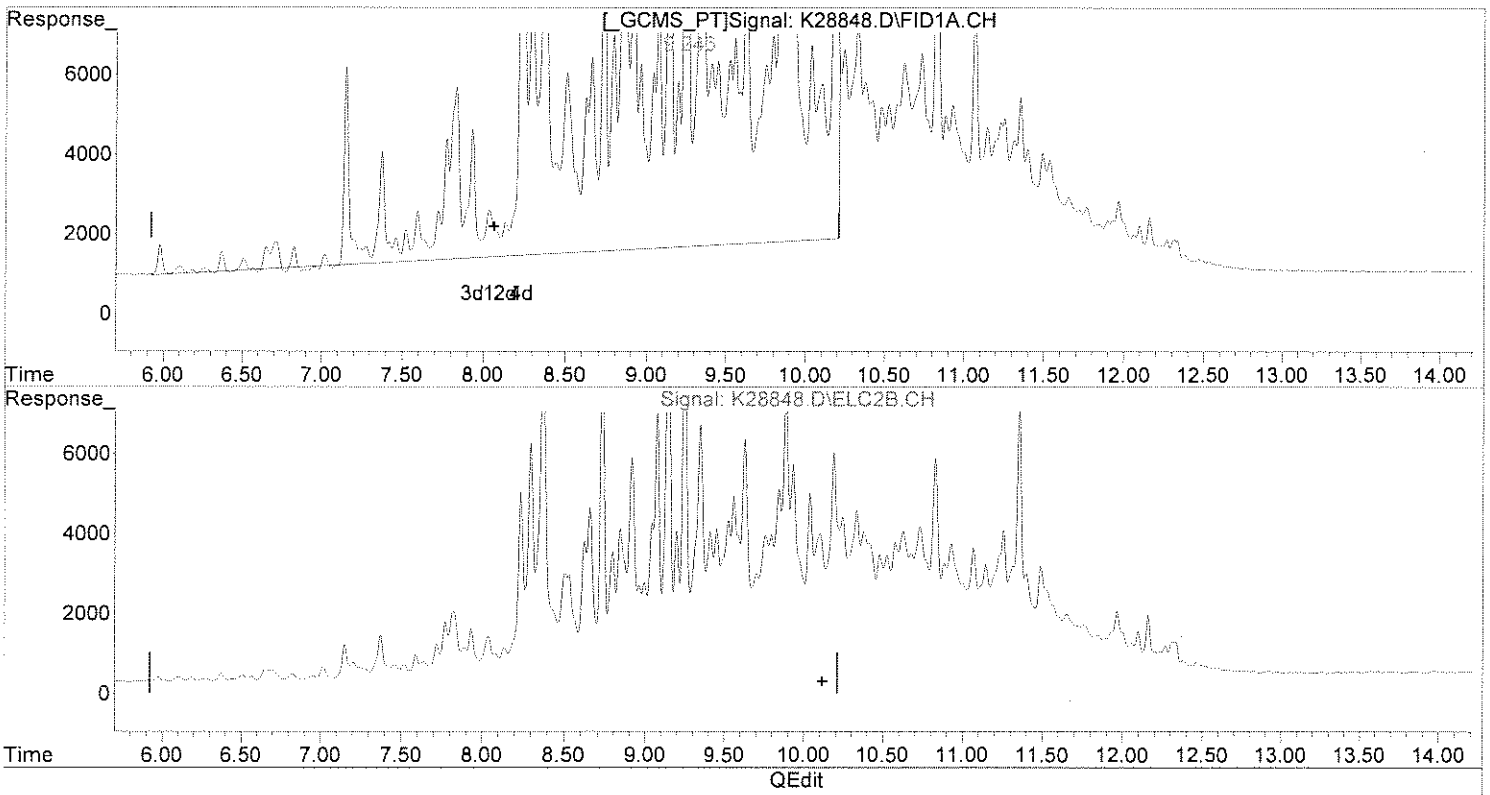
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28848.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:10 pm
Operator : JJL
Sample : 67722-2,10X
Misc : 10,11.21,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 08:57:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) C9-C12 ALIPHATICS (XH)
8.070min 953.238ug/L m
response 6795630

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

9/13/10

(+) = Expected Retention Time

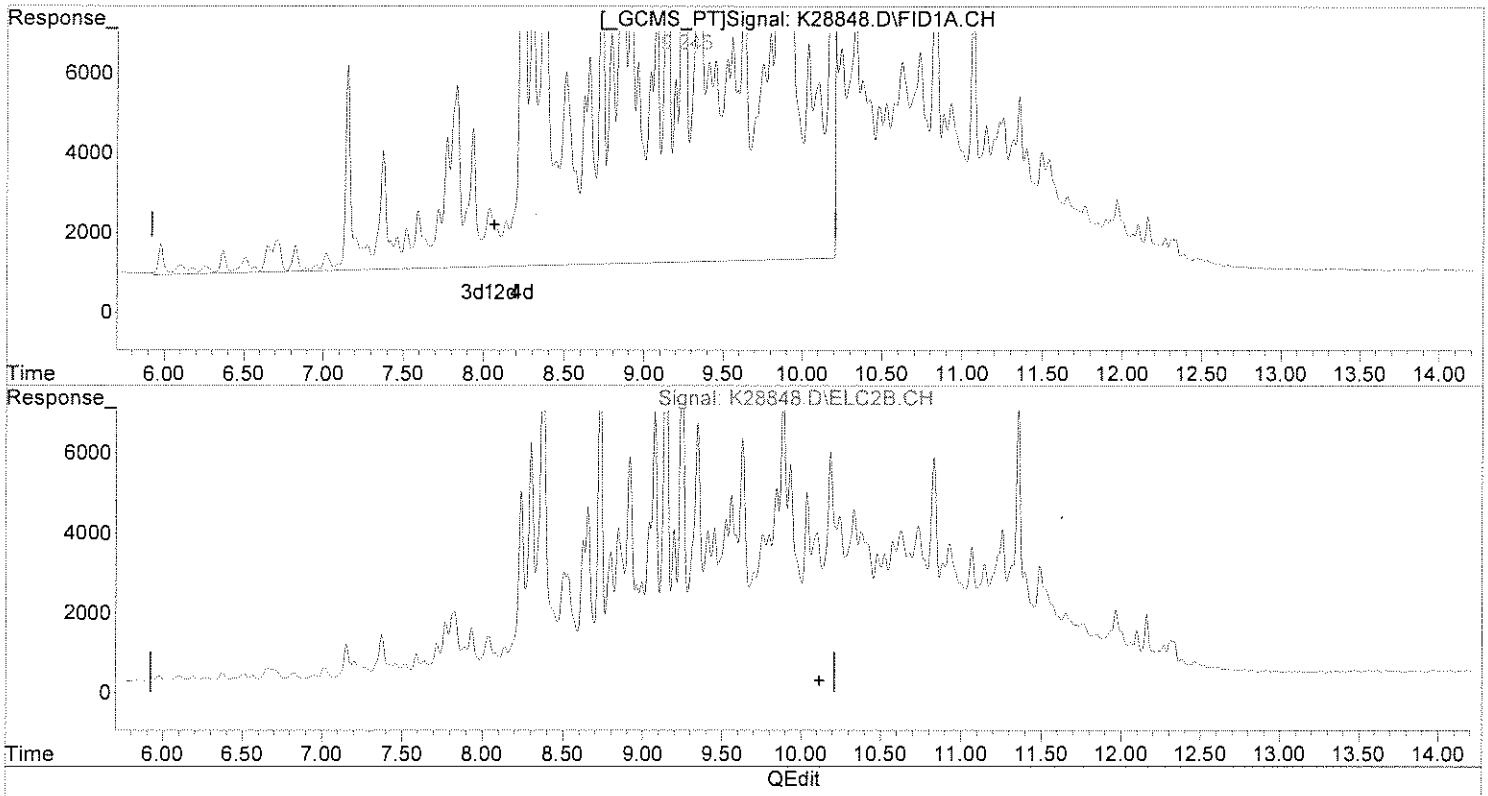
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28848.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:10 pm
Operator : JJL
Sample : 67722-2,10X
Misc : 10,11.21,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 08:57:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JS 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) C9-C12 ALIPHATICS (XH)
10.120min 1048.998ug/L m
response 7478296

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

D91310

(+) = Expected Retention Time

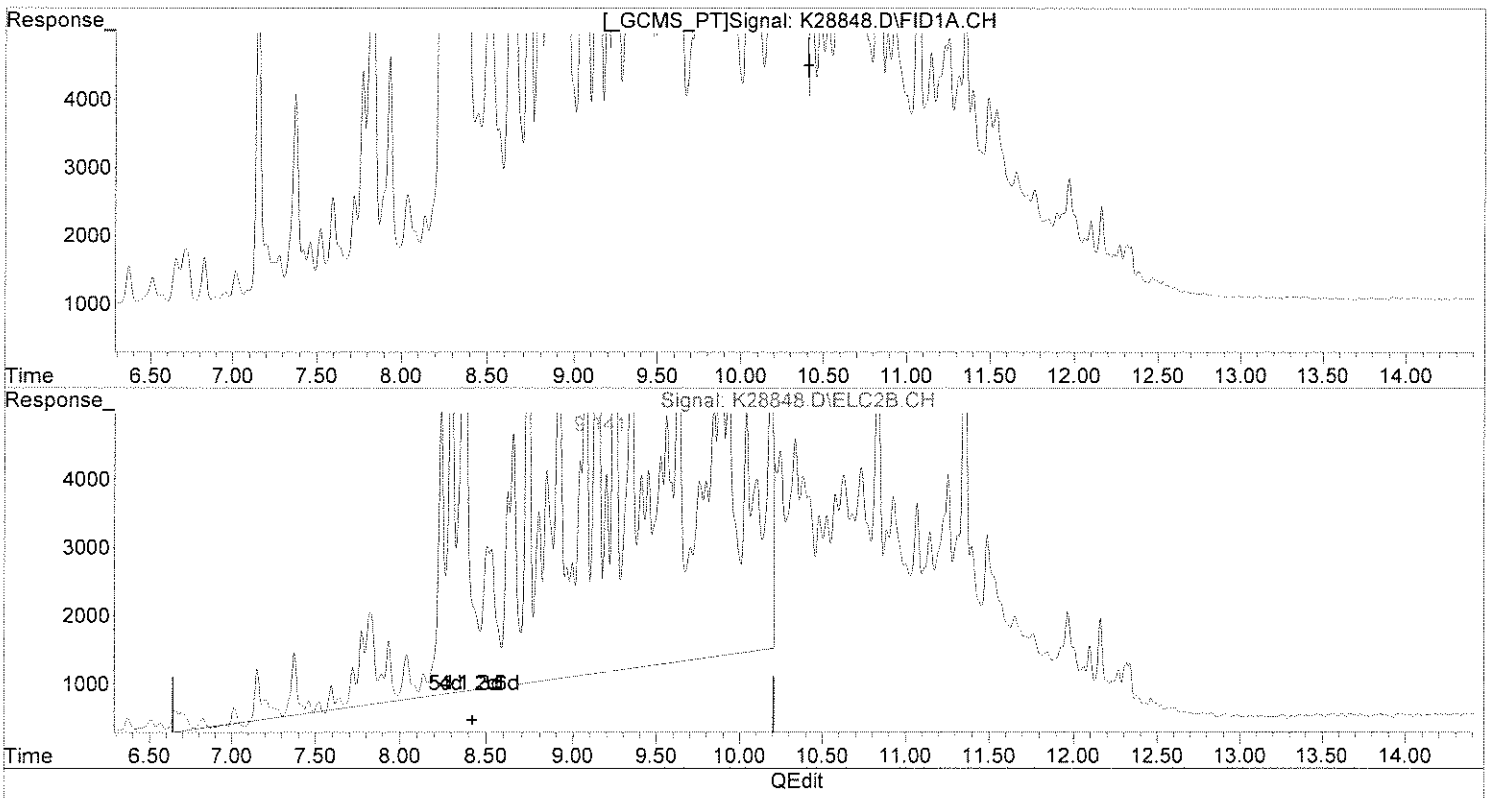
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28848.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:10 pm
Operator : JJL
Sample : 67722-2,10X
Misc : 10,11.21,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 08:57:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJS 9/13/10 baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 1795

(16) C9-C10 AROMATICS #2 (XH)
8.424min 300.410ug/L m
response 3543628

J71310

(+) = Expected Retention Time

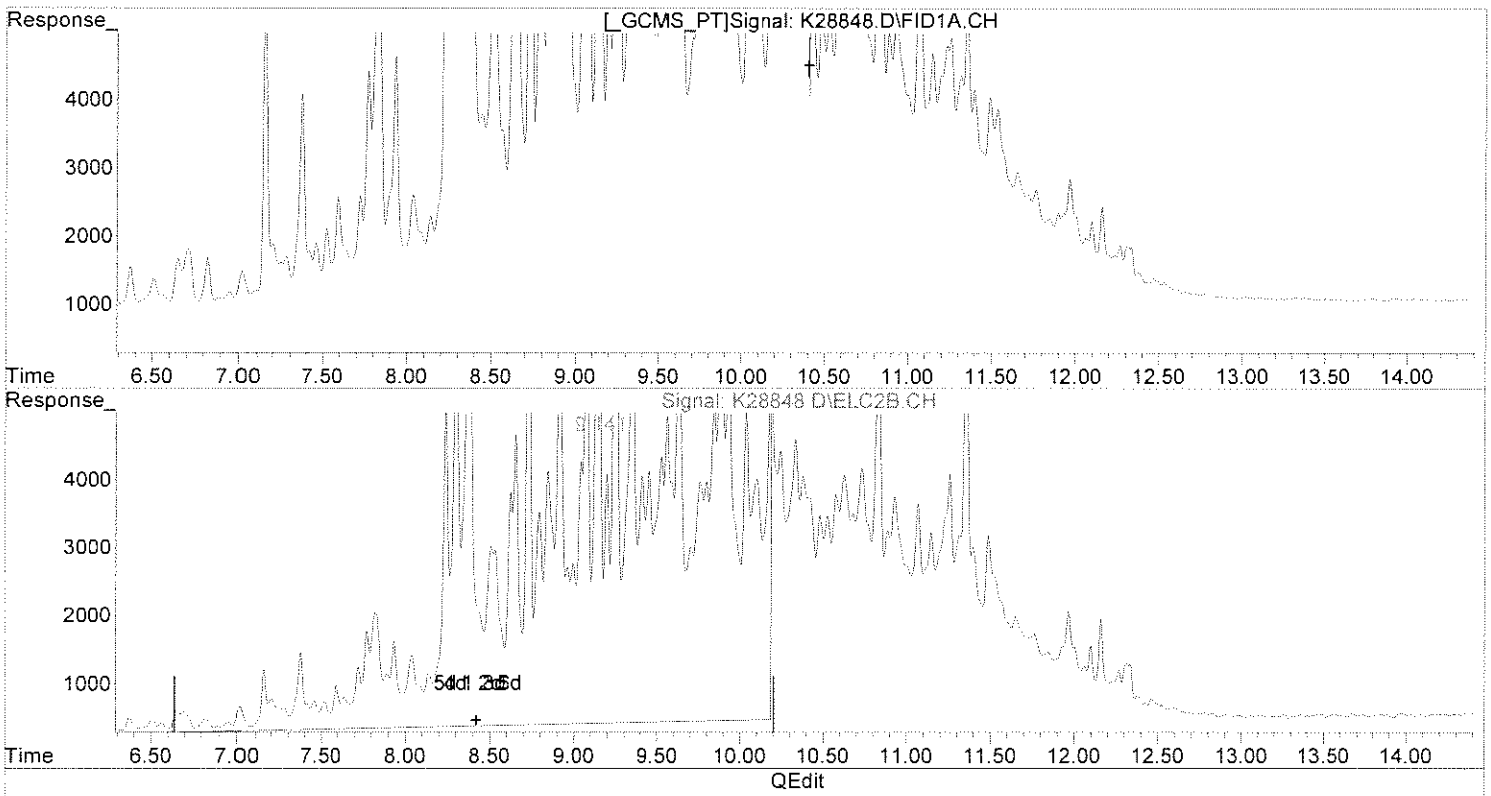
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28848.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:10 pm
Operator : JJL
Sample : 67722-2,10X
Misc : 10,11.21,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 08:57:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

BS 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 1795

(16) C9-C10 AROMATICS #2 (XH)
8.424min 390.582ug/L m
response 4607305

D7130

(+) = Expected Retention Time

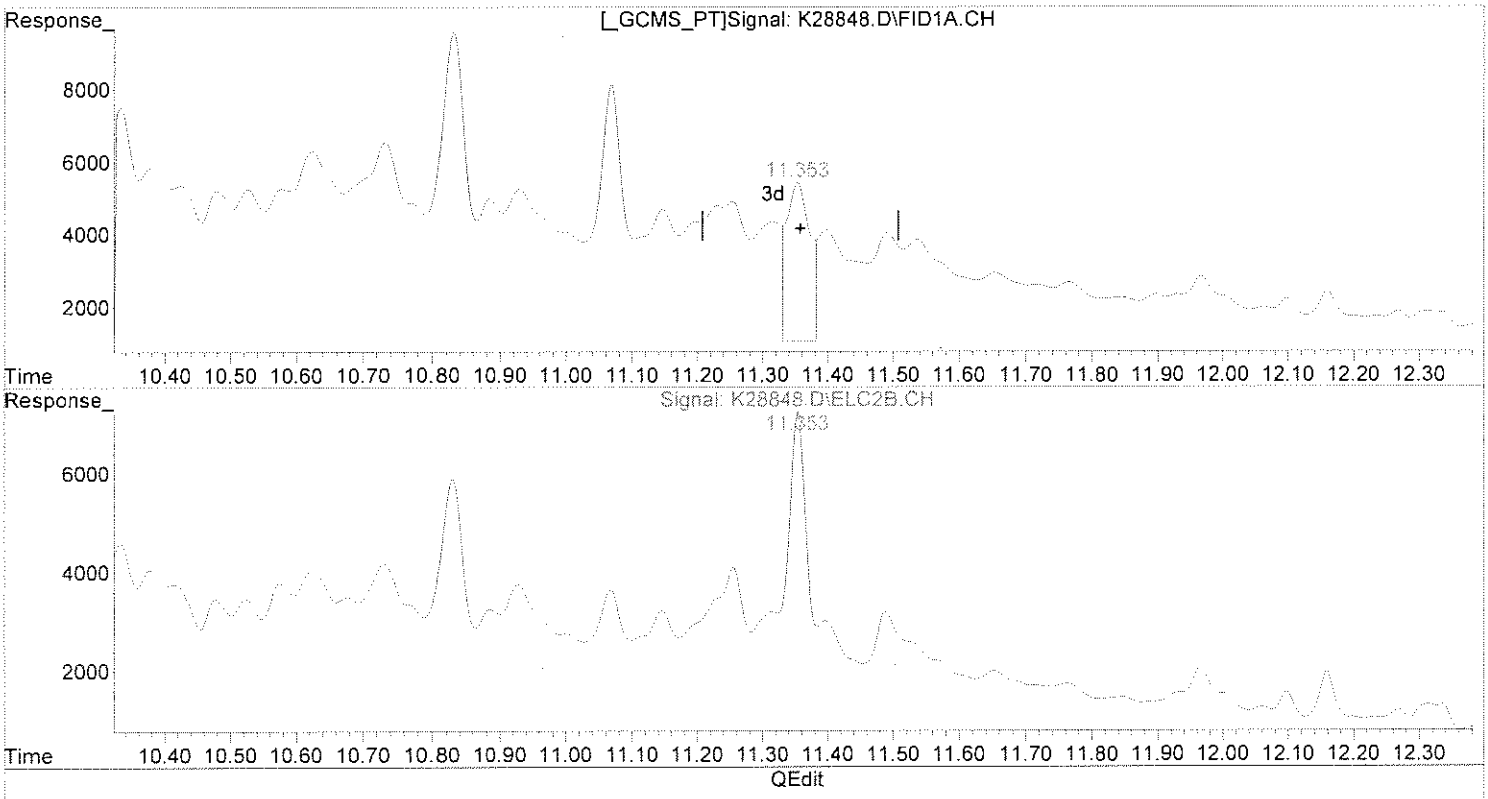
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28848.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:10 pm
Operator : JJL
Sample : 67722-2,10X
Misc : 10,11.21,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 08:57:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10
*E.A.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,5-Dibromotoluene (S)
11.354min 37.866ug/L
response 111376

(18) 2,5-Dibromotoluene #2 (S)
11.355min 20.313ug/L
response 160328

D71310

(+) = Expected Retention Time

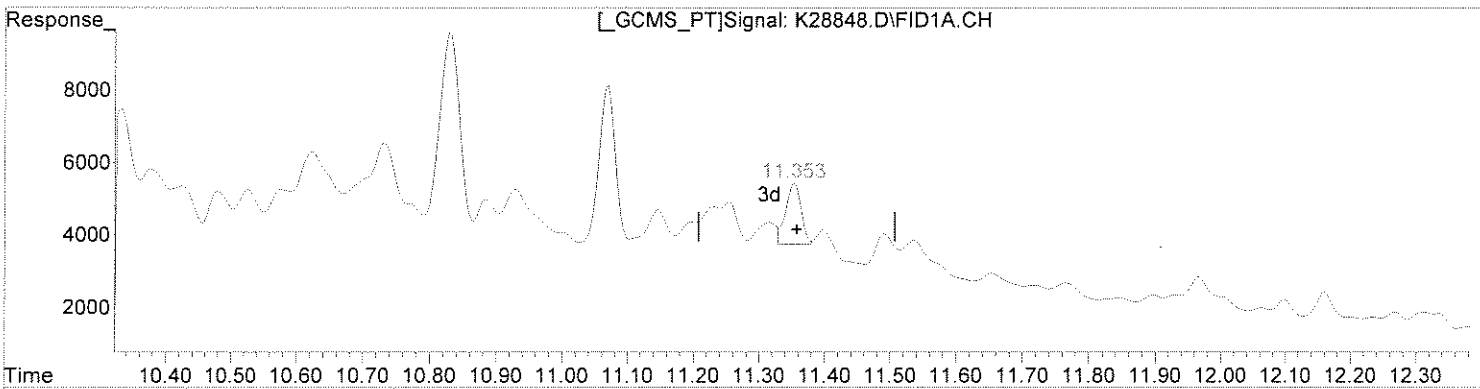
Quantitation Report (Qedit)

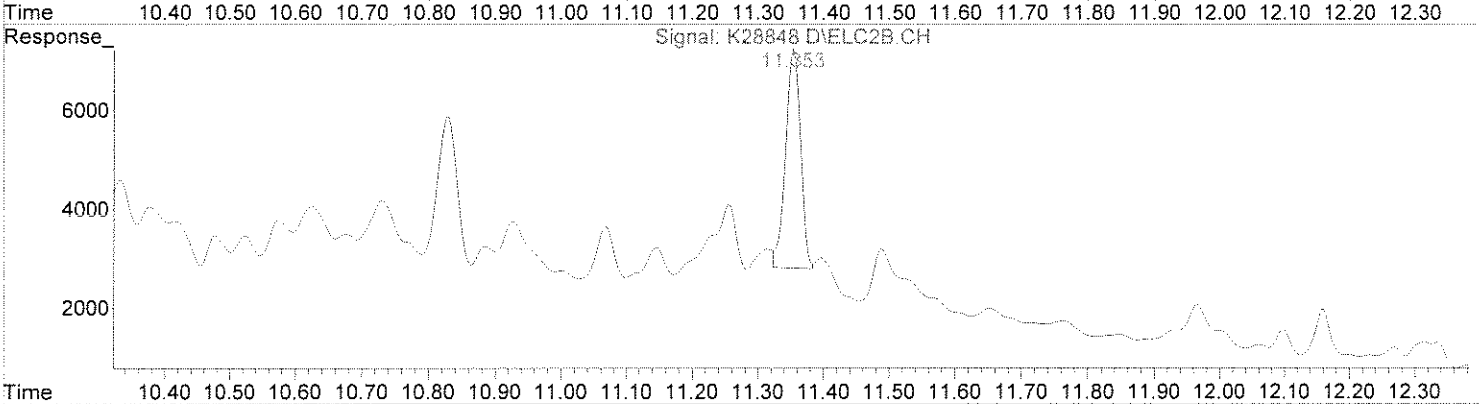
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28848.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:10 pm
Operator : JJL
Sample : 67722-2,10X
Misc : 10,11.21,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 08:57:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(18) 2,5-Dibromotoluene (S)
11.353min 9.436ug/L m
response 27753

(18) 2,5-Dibromotoluene #2 (S)
11.353min 8.937ug/L m
response 70539

37130

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM2-01

SAMPLE DATA

Lab Sample ID:	67722-2 DL
Matrix:	Solid
Percent Solid:	92
Dilution Factor:	1055
Collection Date:	09/09/10
Lab Receipt Date:	09/09/10
Analysis Date:	09/10/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	52700	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	52700	µg/kg	**576000**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	52700	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	52700	µg/kg	**355000**
C9-C10 Aromatic Hydrocarbons[1]	N/A	10500	µg/kg	**221000**
Surrogate % Recovery (2,5-Dibromotoluene) PID				*
Surrogate % Recovery (2,5-Dibromotoluene) FID				*
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a moisture corrected and dry weight basis.
* The surrogates were diluted out.

Authorized signature:

VPH SOIL REPORT

Sample Name	**67722-2,20X** DL
Data File Name	K28851.D
Date Acquired	9/10/2010 16:12
Misc Info	5,11.21,SOIL ✓
Vol. MeOH Analyzed (uL)	5
Soil Weight (g)	11.21
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9209** ✓
% Moisture (divided by 100)	0.0791
Vol. entrained water (mL)	0.8867
Total MeOH/water vol (mL)	10.8867
Dilution Factor	968.68
Moisture Corrected Dilution Factor	1054.58

88 9/13/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		52729	
Unadjusted C9-C12 Aliphatics	576384		52729	
Benzene	U		2109	
Ethylbenzene	U		2109	
Methyl-t-butylether	U		2109	
Naphthalene	7492		2109	
Toluene	U		2109	
m,p-Xylenes	U		4218	
o-Xylene	U		2109	
C5-C8 Aliphatic Hydrocarbons	U		52729	
C9-C12 Aliphatic Hydrocarbons	355039		52729	
C9-C10 Aromatic Hydrocarbons	221345		10546	
PID Surrogate % Recovery	D		70-130%	D
FID Surrogate % Recovery	D		70-130%	D

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	12.88 ✓	0.00	94315						0
C9-C12 ALIPHATICS	546.55 ✓	576384.10	3896382						576384
2,5-Dibromotoluene	5.41		15900						
PID RESULTS									
Methyl-t-butylether #2	0.30	0.00	1414	2.178	2.183	0.0477	OK	0.00	0
Benzene #2	0.09	0.00	1164	3.516	3.512	0.0380	OK	0.00	0
Toluene #2	0.30	0.00	3608	4.880	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.52	0.00	5681	6.118	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.38	0.00	4825	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.32	0.00	3543	6.561	6.561	0.0344	OK	0.00	0
Naphthalene #2	7.10	7491.95	72409	10.245	10.248	0.0344	OK	7491.95	7492
C9-C10 AROMATICS #2	209.89 ✓	221344.90	2475855						221345
2,5-Dibromotoluene #2	4.76		37594						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									355039

9/13/10

9/13/2010 9:07 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28851.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 4:12 pm
Operator : JJL
Sample : 67722-2,20X
Misc : 5,11.21,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:39:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
18)	S	2,5-Dibro...	11.352	11.352	15900	37594	5.406m	4.763m
		Spiked Amount	100.000	Range	70 - 130	Recovery	=	5.41%# 4.76%#
		Target Compounds						
1)	Z	Pentane	1.550	1.547	385	383	0.055	NoCal #
2)	Z	2-Methylp...	2.012	2.045	404	1517	0.049	NoCal #
3)	TM	Methyl-t-...	2.187	2.178	178	1414	NoCal	0.303 #
4)	Z	2,2,4-Tri...	3.284	3.264	848	583	0.110	NoCal #
5)	TM	Benzene	3.508	3.516	1820	1164	NoCal	0.089 #
6)	TM	Toluene	4.880	4.880	2970	3608	NoCal	0.303 #
7)	XH	C5-C8 ALI...	3.717	0.000	94315	0	12.876	N.D. #
9)	TM	Ethylbenzene	6.114	6.118	7751	5681	NoCal	0.520 #
10)	TM	m,p-Xylene	6.187	6.187	5173	4825	NoCal	0.385 #
11)	TM	o-Xylene	6.568	6.561	5180	3543	NoCal	0.317 #
12)	Z	n-Decane	7.152	7.153	54531	11309	7.907	NoCal #
13)	Z	n-Butylcy...	7.834	7.821	80935	29554	10.995	NoCal #
14)	XH	C9-C12 AL...	10.120f	0.000	3896382	0	546.554	N.D. #
15)	ZM	1,2,4-Tri...	7.721	7.718	26806	14241	NoCal	1.207 #
16)	XH	C9-C10 AR...	10.410	8.424	756	2475855	NoCal	209.890 #
17)	TM	Naphthalene	10.246	10.244	14993	15898	NoCal m	1.560m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9/13/10

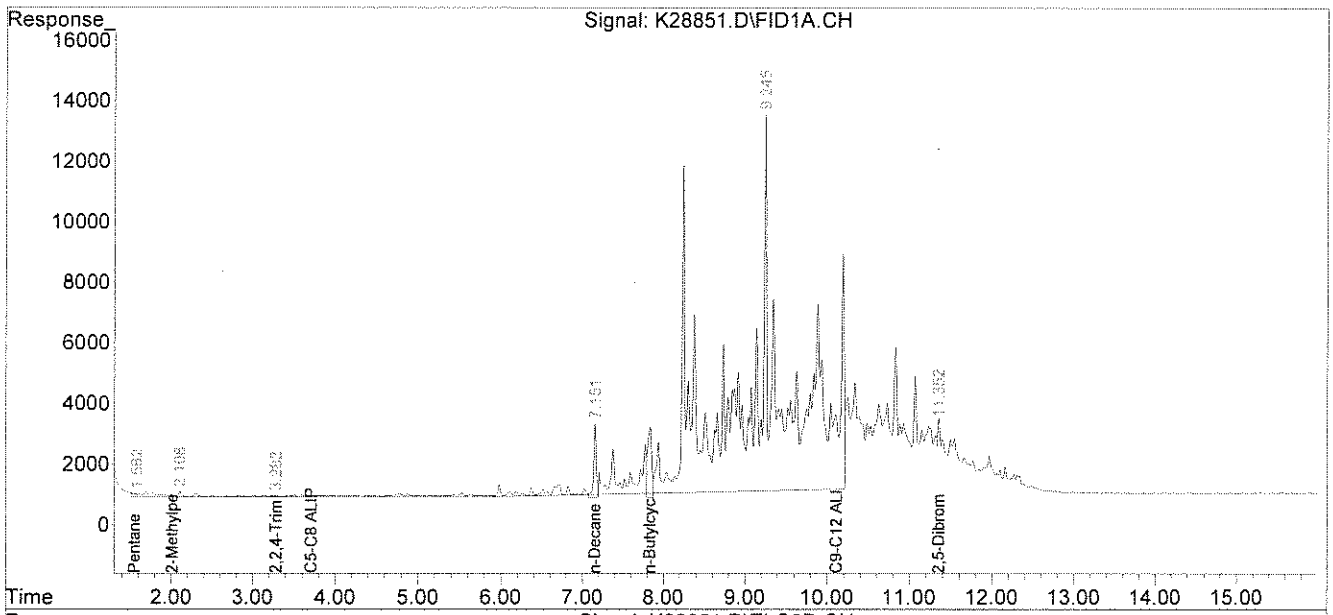
Quantitation Report (QT Reviewed)

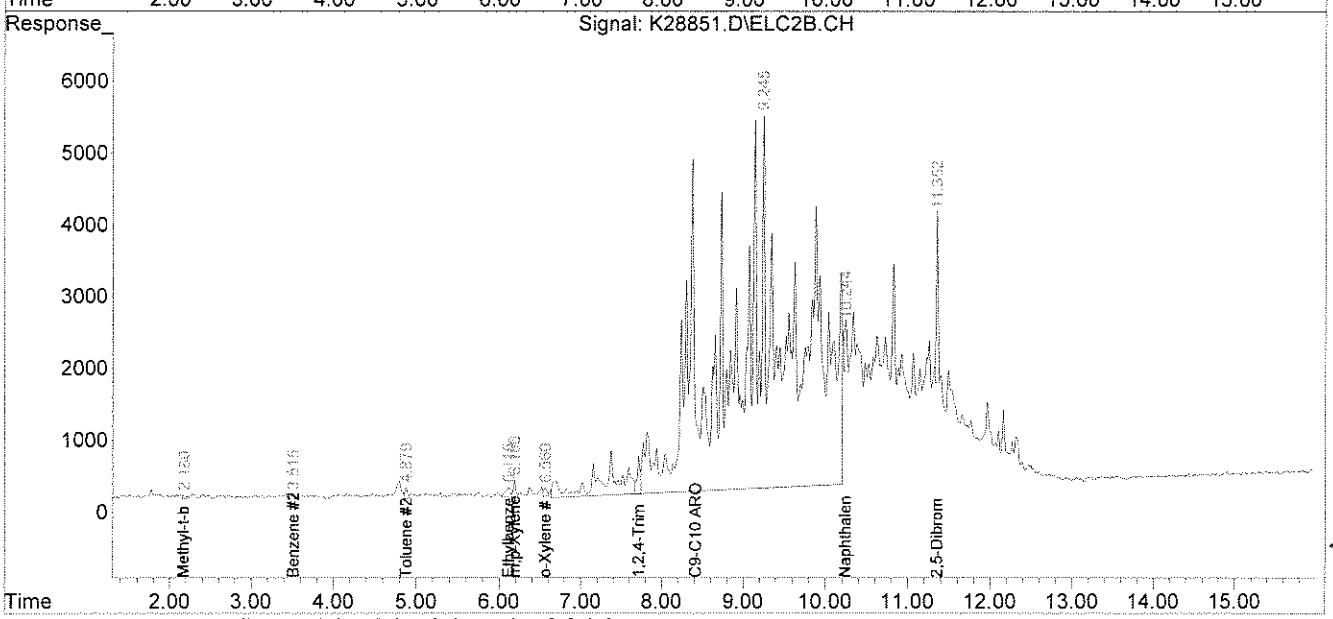
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28851.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 4:12 pm
Operator : JJL
Sample : 67722-2,20X
Misc : 5,11.21,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:39:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





07310

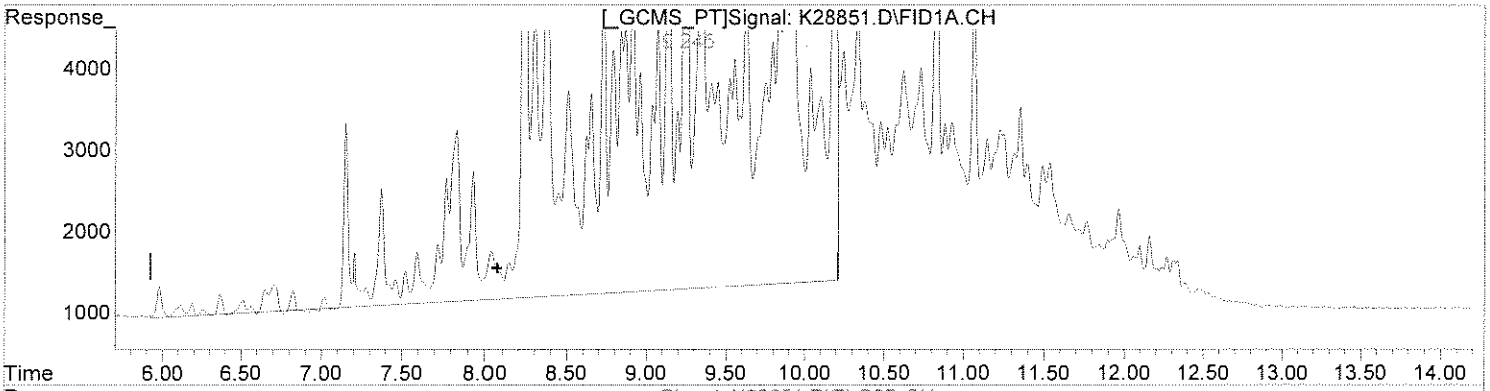
Quantitation Report (Qedit)

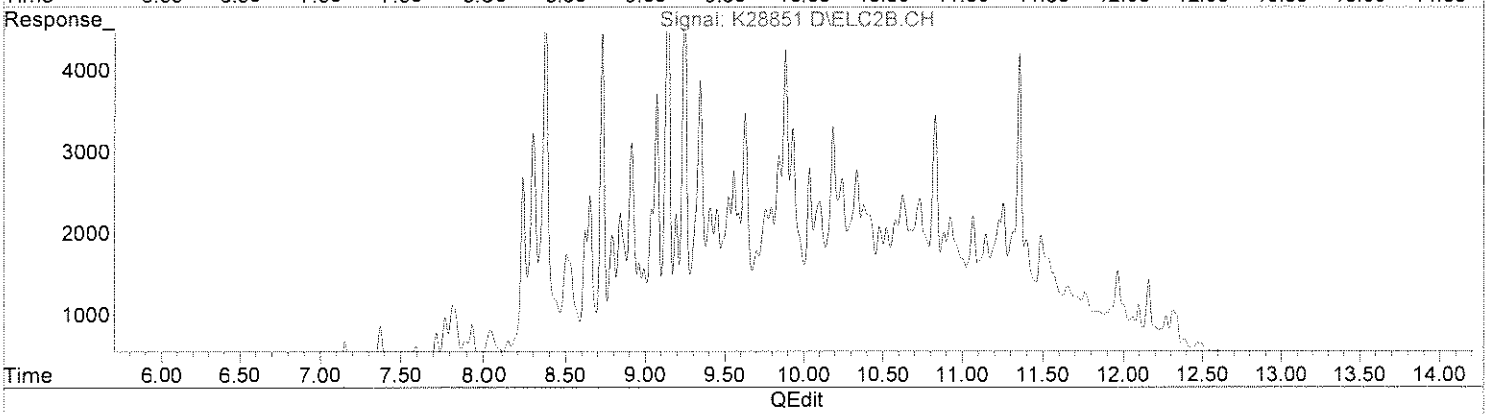
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28851.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 4:12 pm
Operator : JJL
Sample : 67722-2,20X
Misc : 5,11.21,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:05:47 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(14) C9-C12 ALIPHATICS (XH)
8.070min 508.178ug/L m
response 3622796

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

D91310

(+) = Expected Retention Time

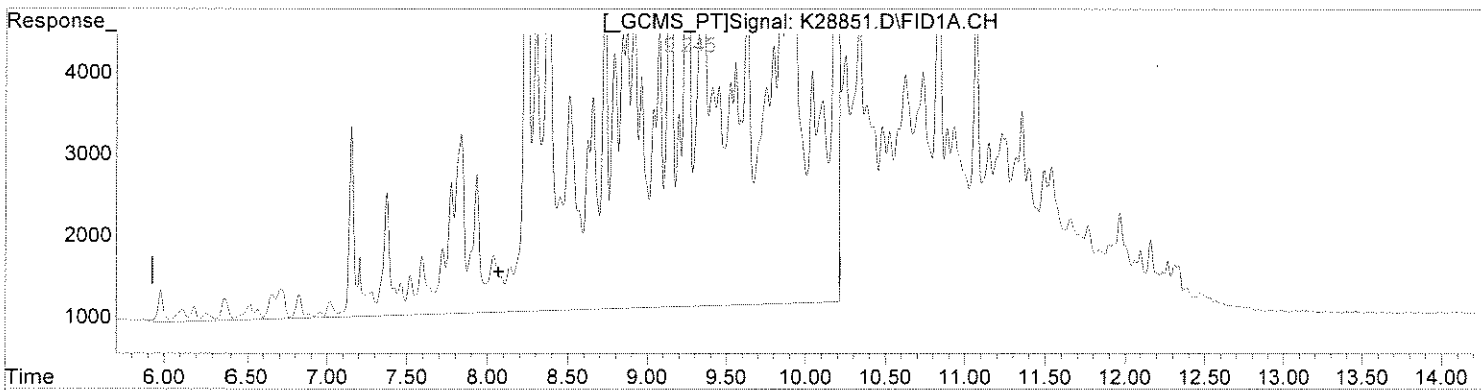
Quantitation Report (Qedit)

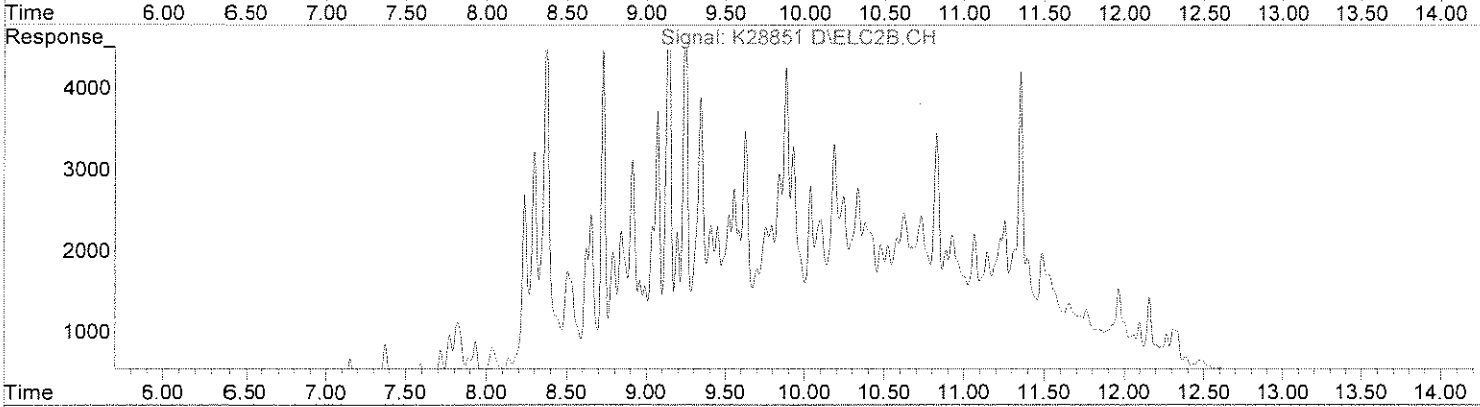
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28851.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 4:12 pm
Operator : JJL
Sample : 67722-2,20X
Misc : 5,11.21,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:05:47 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(14) C9-C12 ALIPHATICS (XH)
10.120min 546.554ug/L m
response 3896382

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

291320

(+) = Expected Retention Time

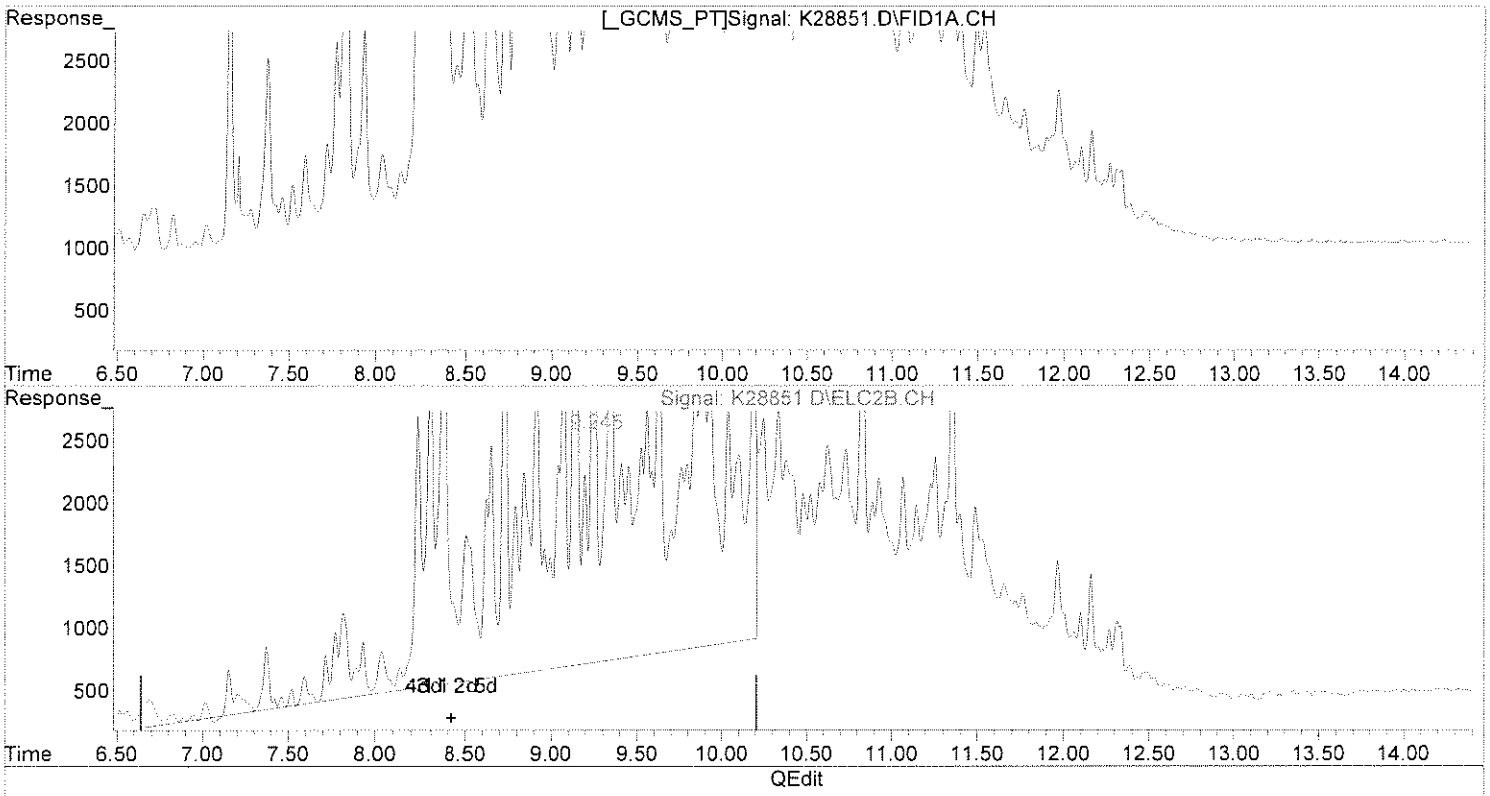
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28851.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 4:12 pm
Operator : JJL
Sample : 67722-2,20X
Misc : 5,11.21,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:05:47 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SJS 9/13/10
Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 756

(16) C9-C10 AROMATICS #2 (XH)
8.424min 162.539ug/L m
response 1917308

D7/3/10

(+) = Expected Retention Time
VPH072210.M Mon Sep 13 09:06:27 2010 Page: 1

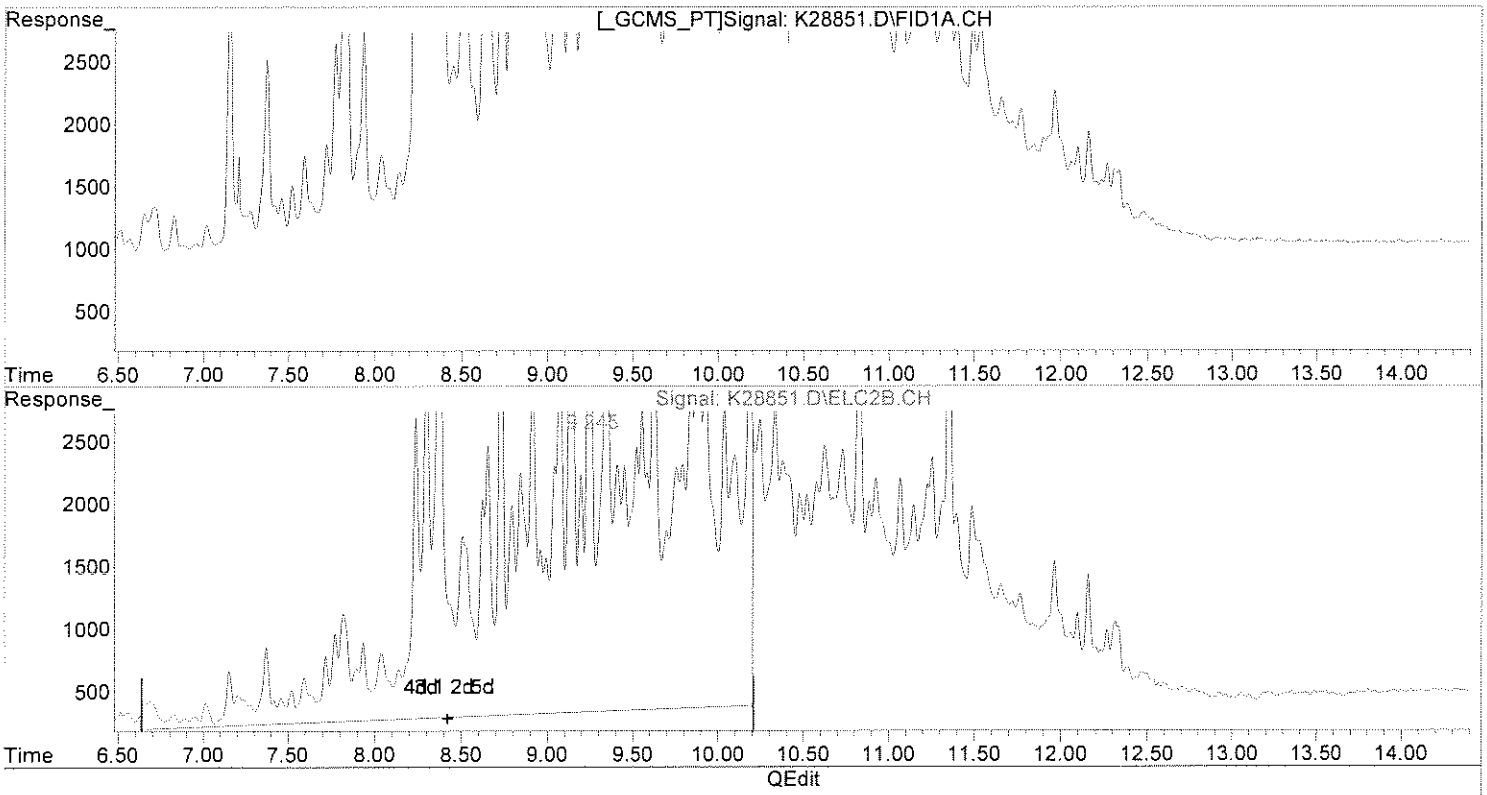
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28851.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 4:12 pm
Operator : JJL
Sample : 67722-2,20X
Misc : 5,11.21,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:05:47 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 756

(16) C9-C10 AROMATICS #2 (XH)
8.424min 209.890ug/L m
response 2475855

J71310

(+) = Expected Retention Time

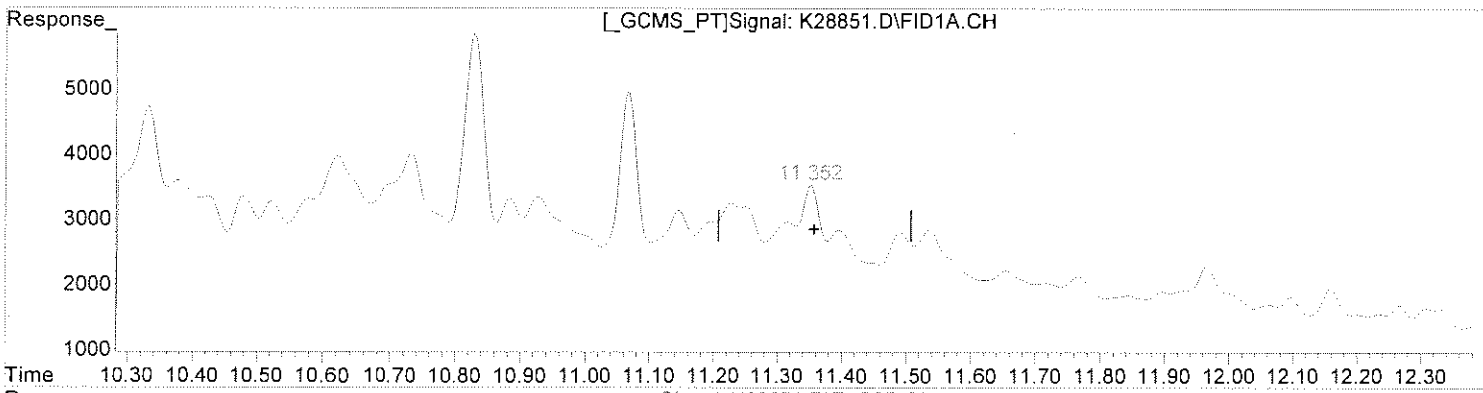
Quantitation Report (Qedit)

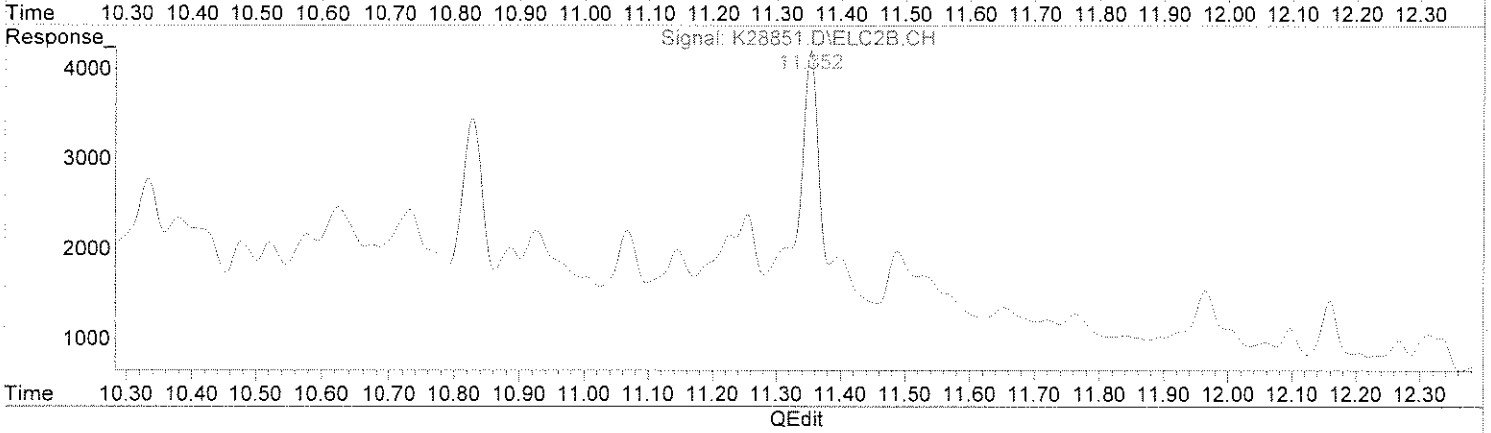
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28851.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 4:12 pm
Operator : JJL
Sample : 67722-2,20X
Misc : 5,11.21,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:05:47 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10
+m.p.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(18) 2,5-Dibromotoluene (S)
11.353min 22.652ug/L
response 66628

(18) 2,5-Dibromotoluene #2 (S)
11.354min 16.385ug/L
response 129328

091310

(+) = Expected Retention Time

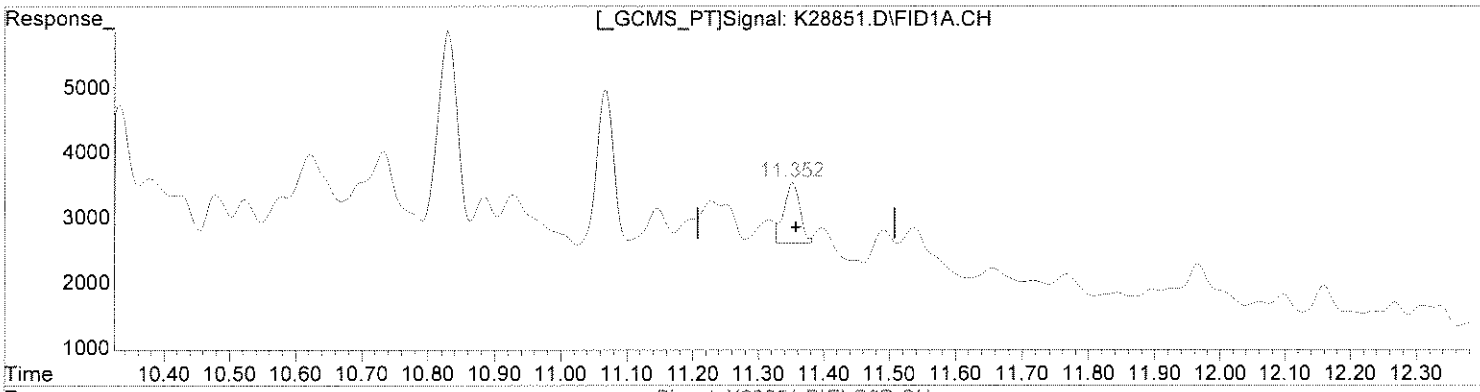
Quantitation Report (Qedit)

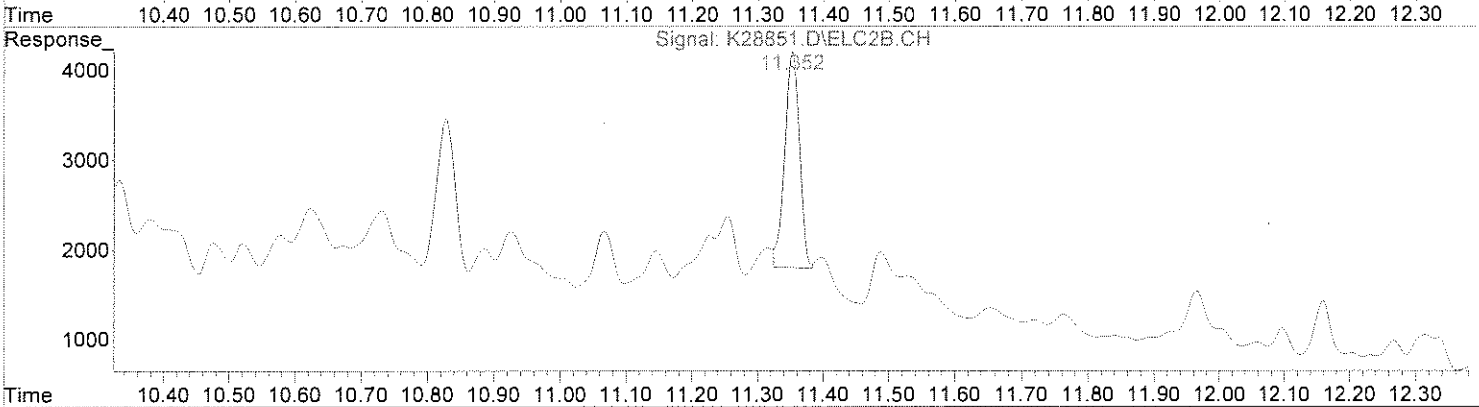
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28851.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 4:12 pm
Operator : JJL
Sample : 67722-2,20X
Misc : 5,11.21,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:05:47 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(18) 2,5-Dibromotoluene (S)
11.352min 5.406ug/L m
response 15900

(18) 2,5-Dibromotoluene #2 (S)
11.352min 4.763ug/L m
response 37594

091310

(+) = Expected Retention Time

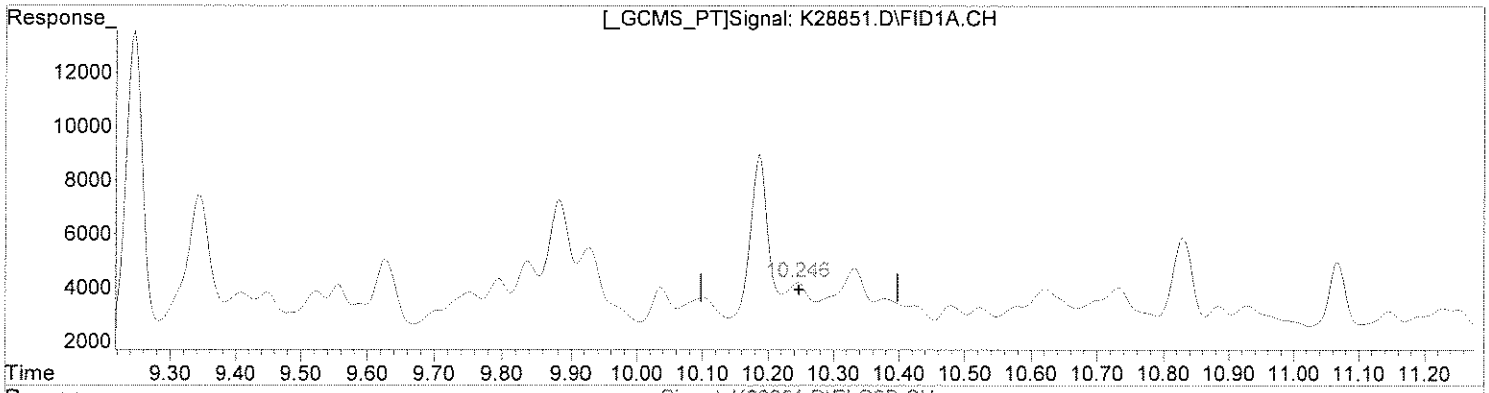
Quantitation Report (Qedit)

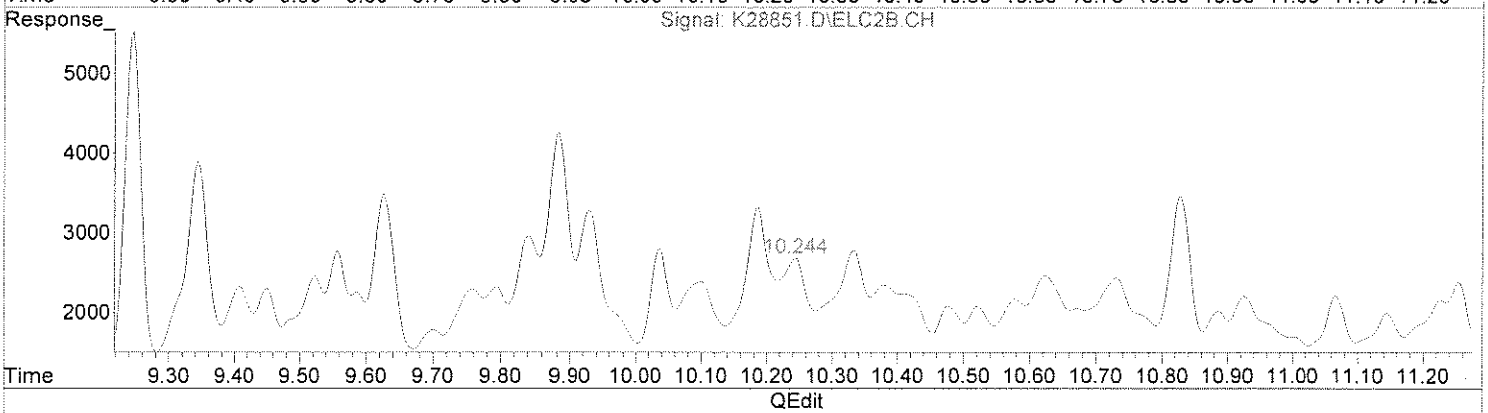
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28851.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 4:12 pm
Operator : JJL
Sample : 67722-2,20X
Misc : 5,11.21,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:06:52 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 9/13/10 * m.p.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(17) Naphthalene (TM)
10.247min 0.000ug/L
response 94297

(17) Naphthalene #2 (TM)
10.245min 7.104ug/L
response 72409

291310

(+) = Expected Retention Time

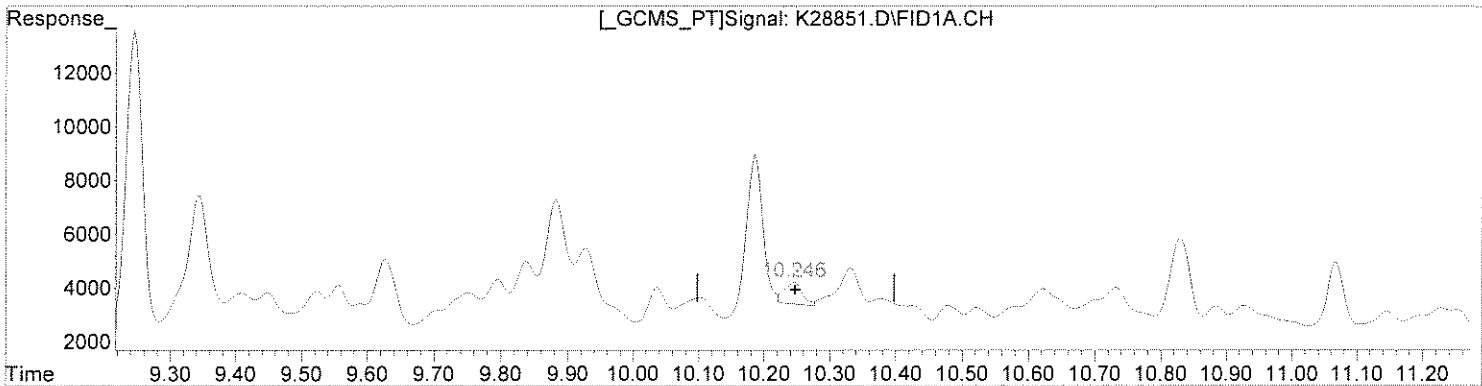
Quantitation Report (Qedit)

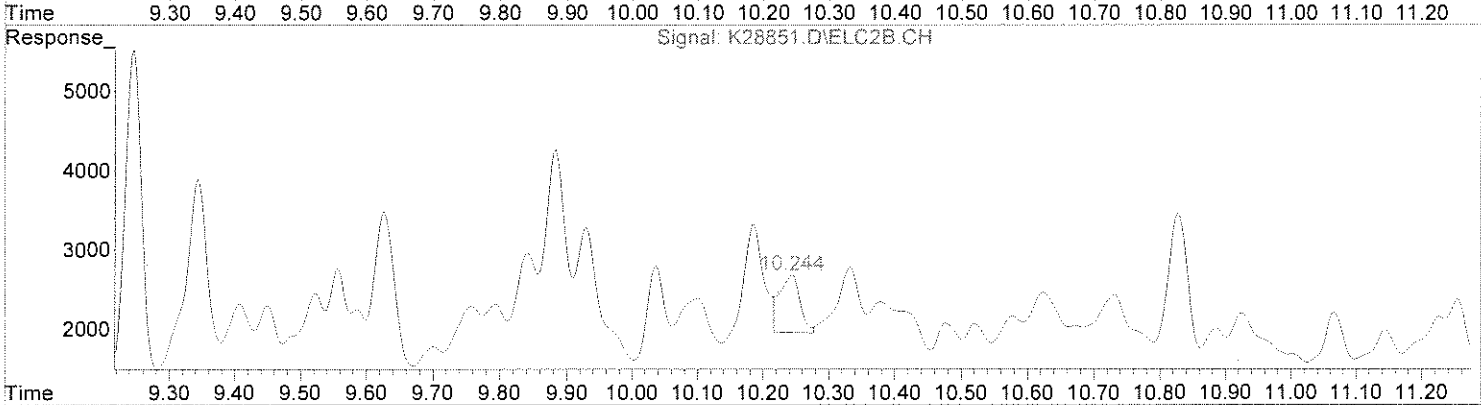
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28851.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 4:12 pm
Operator : JJL
Sample : 67722-2,20X
Misc : 5,11.21,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:06:52 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(17) Naphthalene (TM)
10.246min 0.000ug/L m
response 14993

(17) Naphthalene #2 (TM)
10.244min 1.560ug/L m
response 15898

J 9/13/10

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM3-01

SAMPLE DATA

Lab Sample ID: 67722-3
Matrix: Solid
Percent Solid: 91
Dilution Factor: 593
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/10/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	29600	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	29600	µg/kg	**1110000 E**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	29600	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	29600	µg/kg	**654000 E**
C9-C10 Aromatic Hydrocarbons[1]	N/A	5930	µg/kg	**455000 E**
Surrogate % Recovery (2,5-Dibromotoluene) PID				142*
Surrogate % Recovery (2,5-Dibromotoluene) FID				373 *
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a moisture corrected and dry weight basis.
* Surrogate recovery outside laboratory acceptance criteria due to matrix affect.

Authorized signature:

VPH SOIL REPORT

Sample Name	**67722-3,10X**
Data File Name	K28849.D
Date Acquired	9/10/2010 14:34
Misc Info	10,10.12,SOIL ✓
Vol. MeOH Analyzed (uL)	10
Soil Weight (g)	10.12
Vol. MeOH (mL)	**10.00** ✓
% Solid (divided by 100)	**0.9096**
% Moisture (divided by 100)	0.0904
Vol. entrained water (mL)	0.9148
Total MeOH/water vol (mL)	10.9148
Dilution Factor	543.17
Moisture Corrected Dilution Factor	592.87

gg 9/13/10
RR @ 20X

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		29643	
Unadjusted C9-C12 Aliphatics	1108421 E		29643	
Benzene	U		1186	
Ethylbenzene	U		1186	
Methyl-t-butylether	U		1186	
Naphthalene	11770		1186	
Toluene	U		1186	
m,p-Xylenes	U		2371	
o-Xylene	U		1186	
C5-C8 Aliphatic Hydrocarbons	U		29643	
C9-C12 Aliphatic Hydrocarbons	653611 E		29643	
C9-C10 Aromatic Hydrocarbons	454810 E		5929	
PID Surrogate % Recovery	142%		70-130%	FAIL
FID Surrogate % Recovery	373%		70-130%	FAIL

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	16.44 ✓	0.00	120396						0
C9-C12 ALIPHATICS	1869.60 E	1108421.02	13328344						1108421
2,5-Dibromotoluene	34.20		100606						
PID RESULTS									
Methyl-t-butylether #2	0.49	0.00	2265	2.204	2.183	0.0477	OK	0.00	0
Benzene #2	0.14	0.00	1790	3.518	3.512	0.0380	OK	0.00	0
Toluene #2	0.39	0.00	4621	4.898	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.67	0.00	7290	6.110	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.40	0.00	5065	6.180	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.40	0.00	4444	6.565	6.561	0.0344	OK	0.00	0
Naphthalene #2	19.85	11770.43	202354	10.250	10.248	0.0344	OK	11770.43	11770
C9-C10 AROMATICS #2	767.14 E	454809.86	9049143						454810
2,5-Dibromotoluene #2	12.98		102480						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									653611

9/13/10

9/13/2010 9:03 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28849.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:34 pm
Operator : JJL
Sample : 67722-3,10X
Misc : 10,10.12,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:03:11 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.349	11.352	100606	102480	34.204m	12.984m#
Spiked Amount	100.000	Range	70 - 130	Recovery	=	34.20%#	12.98%#
	Target Compounds						
2) Z	2-Methylp...	1.999	2.040	1420	899	0.174	NoCal #
3) TM	Methyl-t-...	2.187	2.204	92	2265	NoCal	0.486 #
4) Z	2,2,4-Tri...	3.283	3.289	499	1131	0.065	NoCal #
5) TM	Benzene	3.515	3.518	1054	1790	NoCal	0.138 #
6) TM	Toluene	4.885	4.898	854	4621	NoCal	0.388 #
7) XH	C5-C8 ALI...	3.717	0.000	120396	0	16.437	N.D. #
9) TM	Ethylbenzene	6.107	6.110	9989	7290	NoCal	0.667 #
10) TM	m,p-Xylene	6.173	6.180	6180	5065	NoCal	0.404 #
11) TM	o-Xylene	6.572	6.565	4622	4444	NoCal	0.397 #
12) Z	n-Decane	7.154	7.161	61315	26069	8.891	NoCal #
13) Z	n-Butylcy...	7.834	7.820	159976	68374	21.732	NoCal #
14) XH	C9-C12 AL...	10.120f	0.000	13328344	0	1869.597	N.D. #
15) ZM	1,2,4-Tri...	7.723	7.722	76765	40484	NoCal	3.432 #
16) XH	C9-C10 AR...	10.410	8.424	5160	9049143	NoCal	767.137 #
17) TM	Naphthalene	10.251	10.250	333168	202354	NoCal	19.853 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

29150

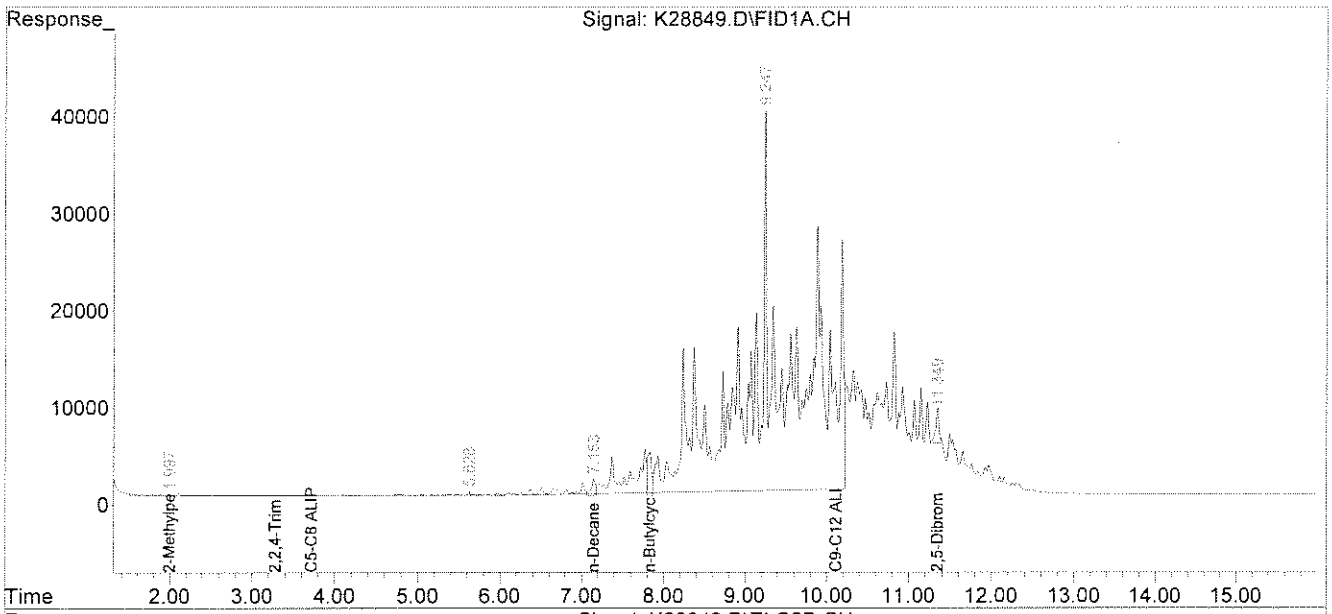
Quantitation Report (QT Reviewed)

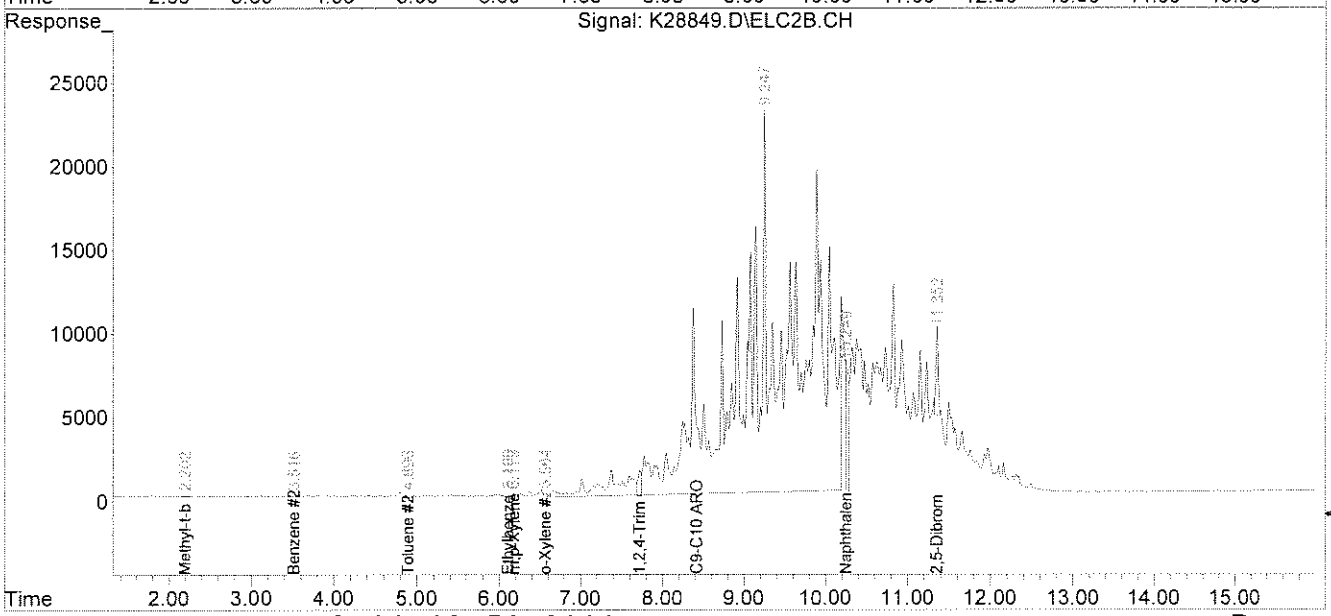
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28849.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:34 pm
Operator : JJL
Sample : 67722-3,10X
Misc : 10,10.12,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:03:11 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





591310

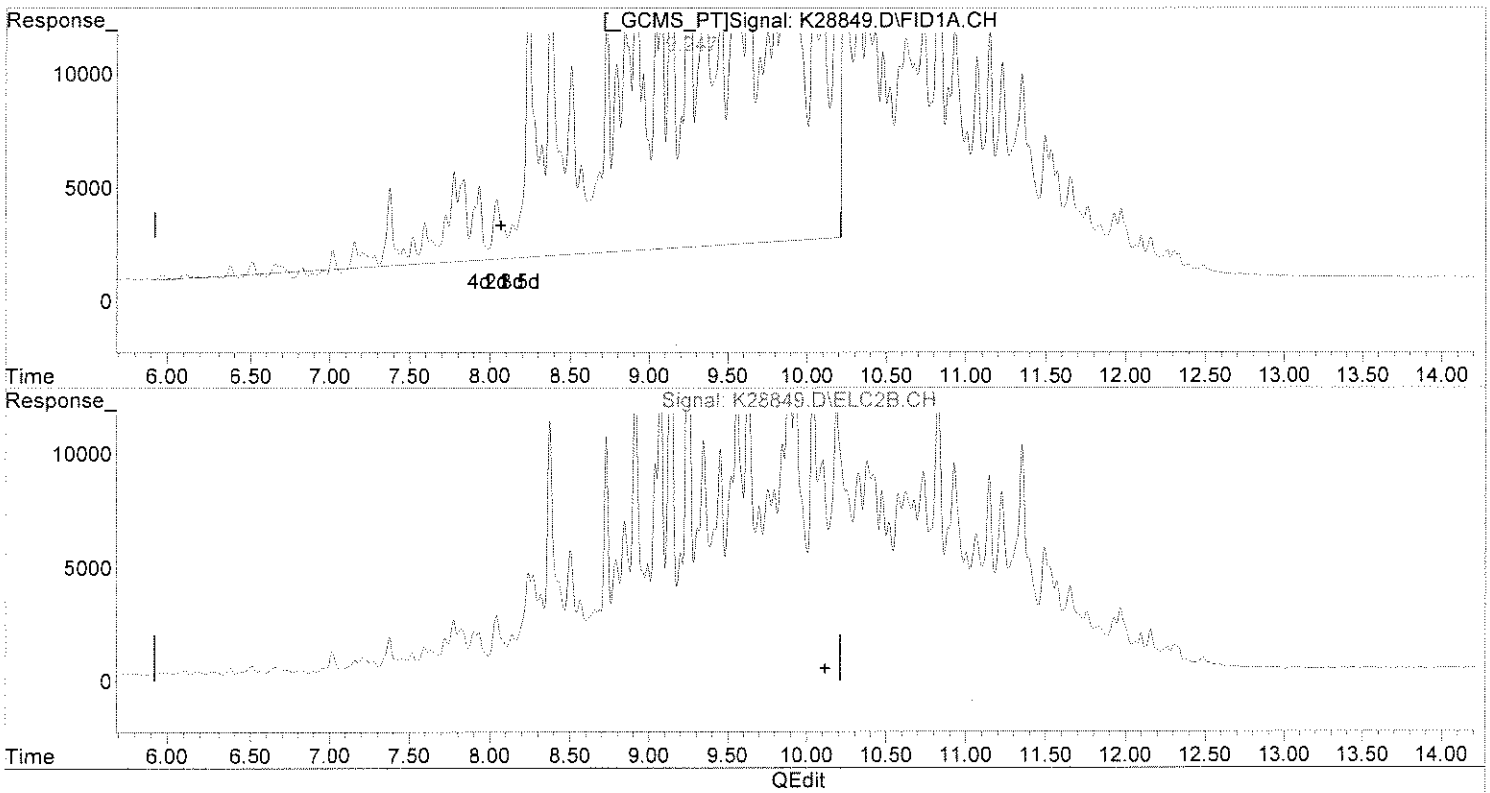
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28849.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:34 pm
Operator : JJL
Sample : 67722-3,10X
Misc : 10,10.12,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:01:16 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 9/13/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) C9-C12 ALIPHATICS (XH)
8.070min 1637.288ug/L m
response 11672212

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

091310

(+) = Expected Retention Time

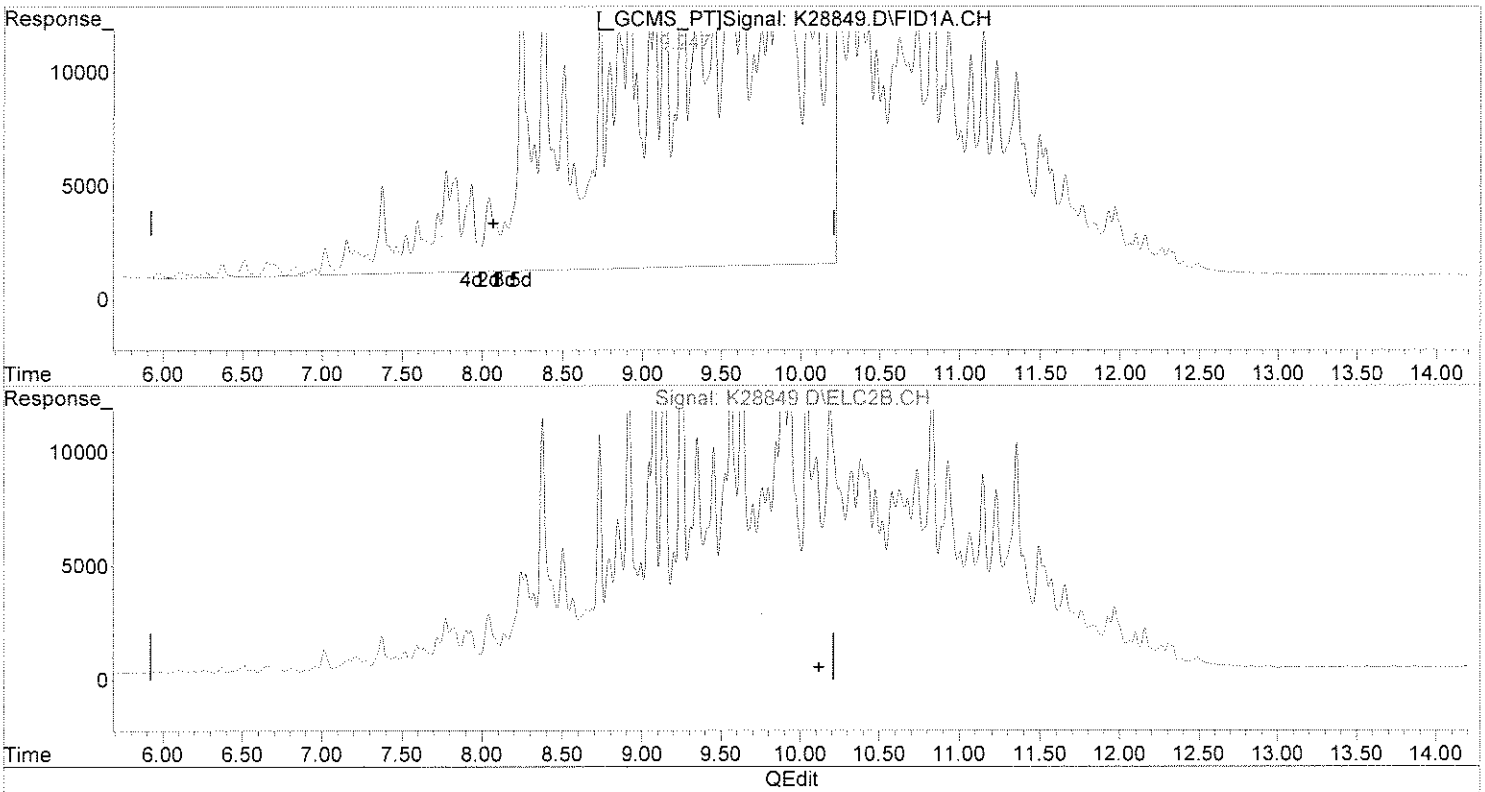
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28849.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:34 pm
Operator : JJL
Sample : 67722-3,10X
Misc : 10,10.12,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:01:16 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) C9-C12 ALIPHATICS (XH)
10.120min 1869.597ug/L m
response 13328344

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

091310

(+) = Expected Retention Time

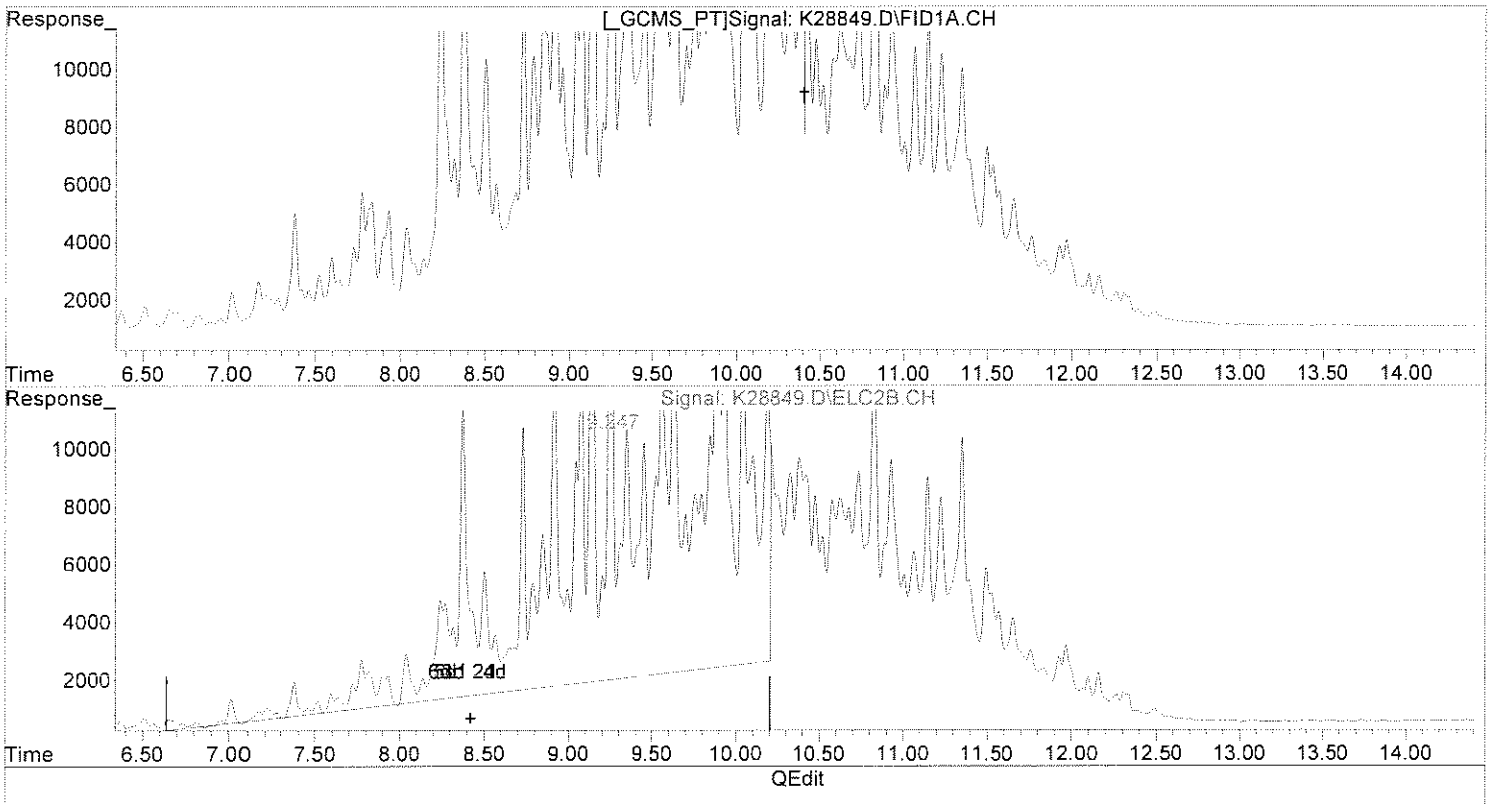
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28849.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:34 pm
Operator : JJL
Sample : 67722-3,10X
Misc : 10,10.12,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:01:16 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10
Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 5160

(16) C9-C10 AROMATICS #2 (XH)
8.424min 594.181ug/L m
response 7008946

D91310

(+) = Expected Retention Time

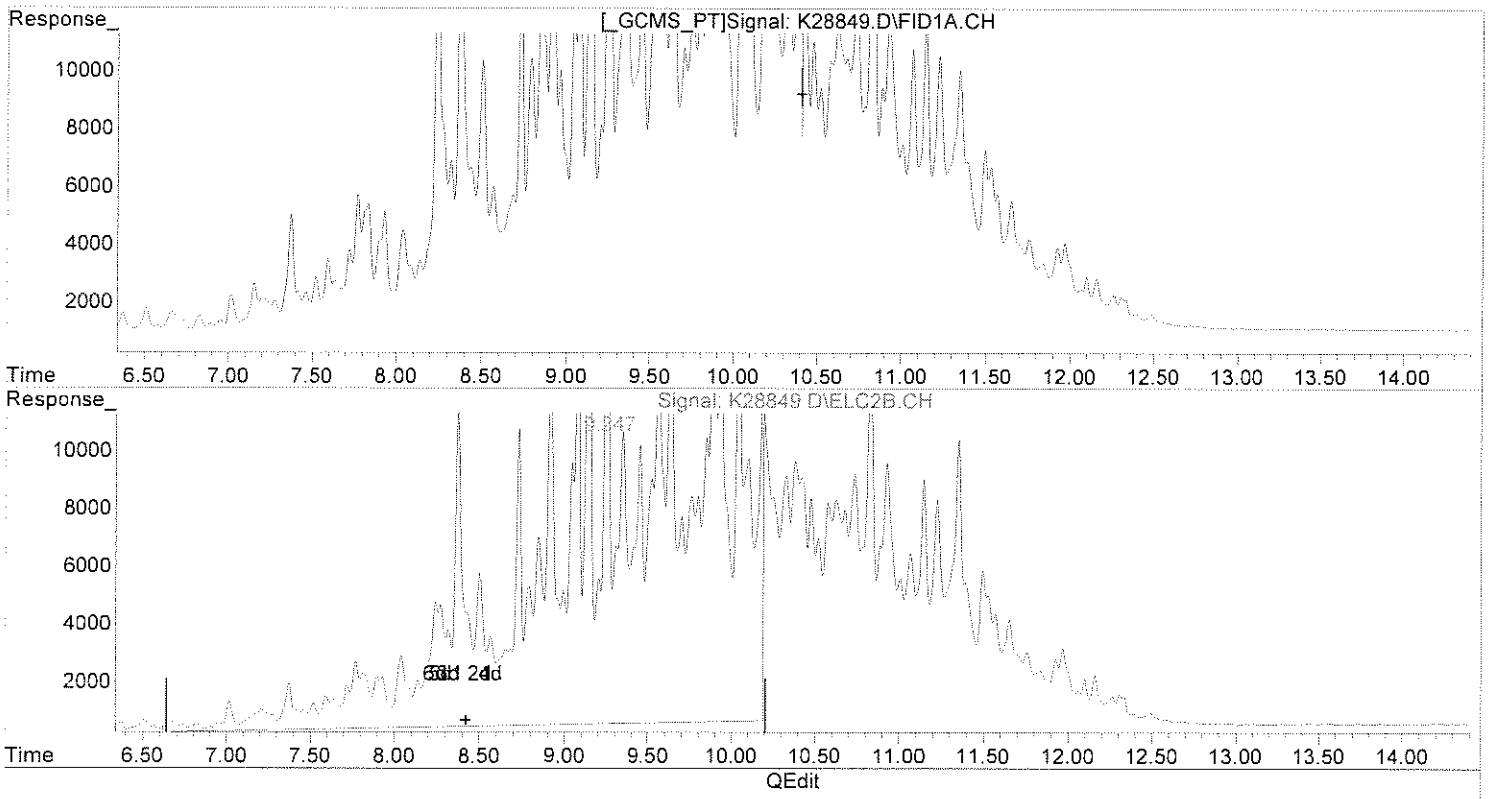
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28849.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:34 pm
Operator : JJL
Sample : 67722-3,10X
Misc : 10,10.12,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:01:16 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 5160

(16) C9-C10 AROMATICS #2 (XH)
8.424min 767.137ug/L m
response 9049143

591310

(+) = Expected Retention Time

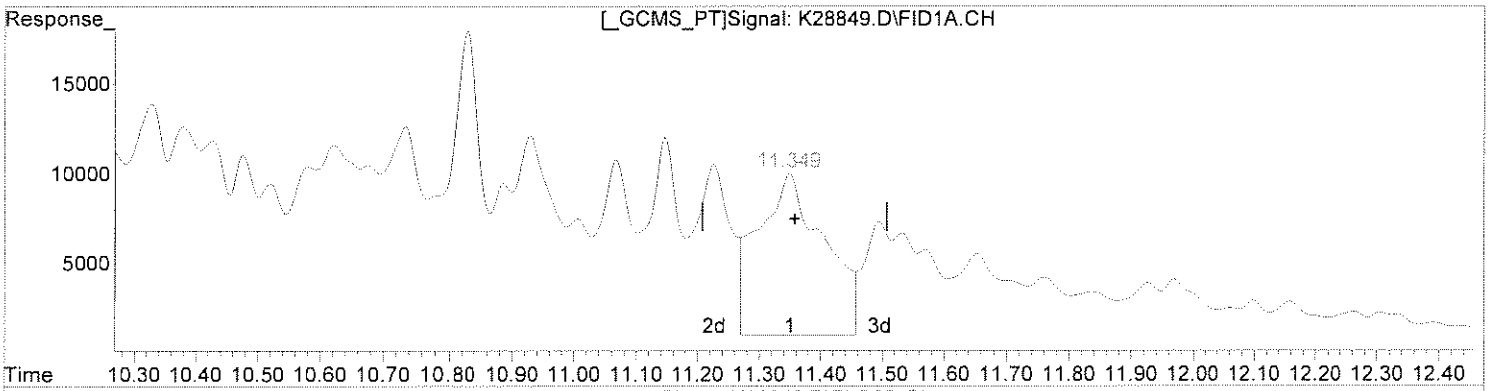
Quantitation Report (Qedit)

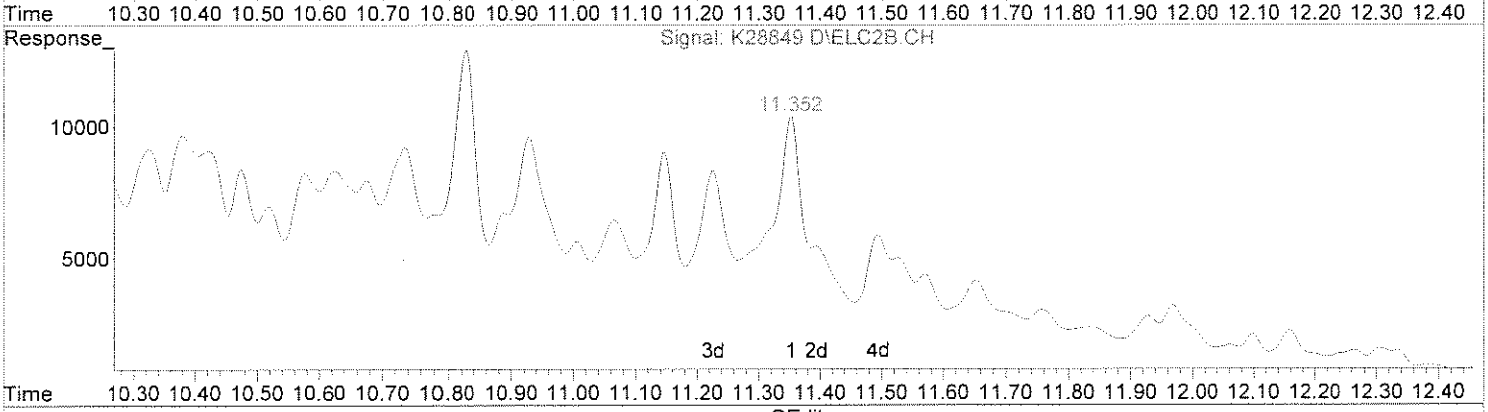
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28849.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:34 pm
Operator : JJL
Sample : 67722-3,10X
Misc : 10,10.12,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:02:45 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 9/13/10
*E.A.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(18) 2,5-Dibromotoluene (S)
11.350min 230.543ug/L
response 678103

(18) 2,5-Dibromotoluene #2 (S)
11.353min 56.721ug/L
response 447692

091310

(+) = Expected Retention Time

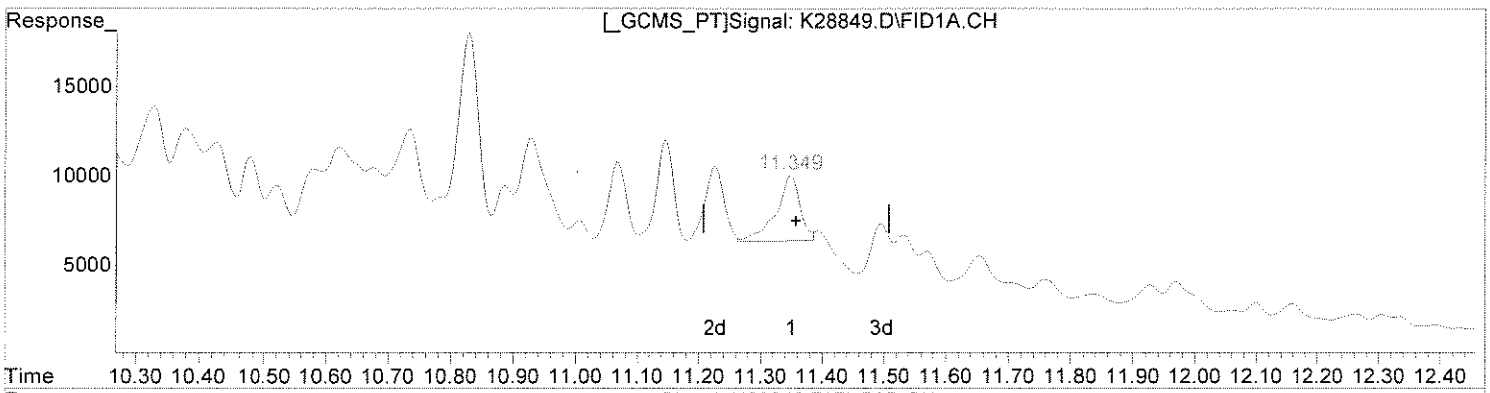
Quantitation Report (Qedit)

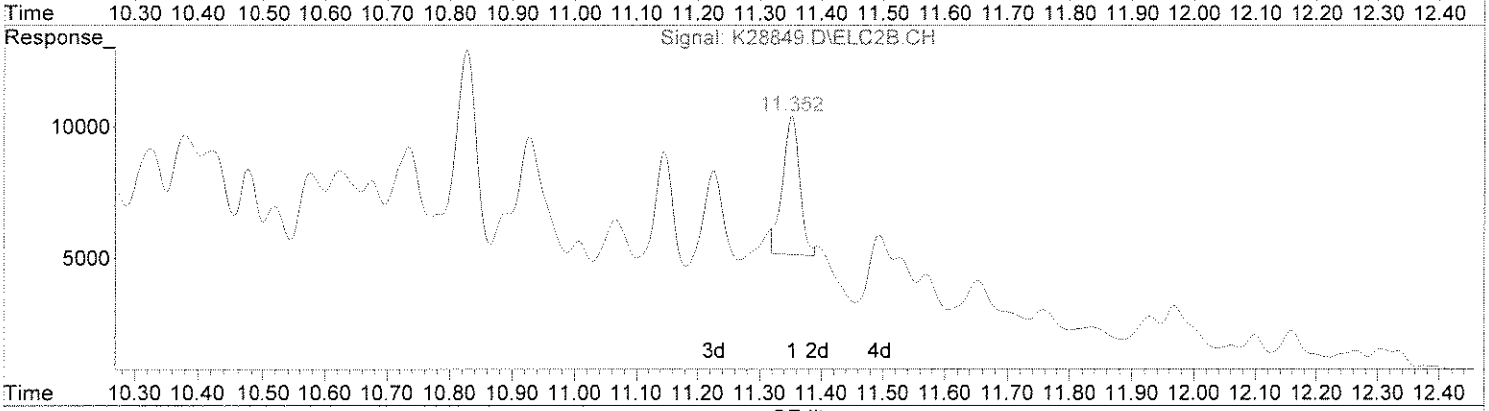
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28849.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:34 pm
Operator : JJL
Sample : 67722-3,10X
Misc : 10,10.12,SOIL
ALS Vial : 9 Sample Multiplier: 1

gg 9/13/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:02:45 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(18) 2,5-Dibromotoluene (S)
11.349min 34.204ug/L m
response 100606

(18) 2,5-Dibromotoluene #2 (S)
11.352min 12.984ug/L m
response 102480

291300

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM3-01

SAMPLE DATA

Lab Sample ID: 67722-3 DL
Matrix: Solid
Percent Solid: 91
Dilution Factor: 2964
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/13/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	148000	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	148000	µg/kg	**1240000**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	148000	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	148000	µg/kg	**706000**
C9-C10 Aromatic Hydrocarbons[1]	N/A	29600	µg/kg	**540000**
Surrogate % Recovery (2,5-Dibromotoluene) PID				*
Surrogate % Recovery (2,5-Dibromotoluene) FID				*
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
*Results are expressed on a moisture corrected and dry weight basis.
* The surrogates were diluted out.

Authorized signature:

VPH SOIL REPORT

Sample Name	**67722-3,50X**
Data File Name	K28865.D
Date Acquired	9/13/2010 13:06
Misc Info	2,10.12,SOIL
Vol. MeOH Analyzed (uL)	2
Soil Weight (g)	10.12
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9096**
% Moisture (divided by 100)	0.0904
Vol. entrained water (mL)	0.9148
Total MeOH/water vol (mL)	10.9148
Dilution Factor	2715.87
Moisture Corrected Dilution Factor	2964.33

88 9/13/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		148217	
Unadjusted C9-C12 Aliphatics	1245670		148217	
Benzene	U		5929	
Ethylbenzene	U		5929	
Methyl-t-butylether	U		5929	
Naphthalene	U		5929	
Toluene	U		5929	
m,p-Xylenes	U		11857	
o-Xylene	U		5929	
C5-C8 Aliphatic Hydrocarbons	U		148217	
C9-C12 Aliphatic Hydrocarbons	705501		148217	
C9-C10 Aromatic Hydrocarbons	540169		29643	
PID Surrogate % Recovery	D		70-130%	D
FID Surrogate % Recovery	D		70-130%	D

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	6.99	0.00	51178						0
C9-C12 ALIPHATICS	420.22	1245670.05	2995742						1245670
2,5-Dibromotoluene	4.29		12631						
PID RESULTS									
Methyl-t-butylether #2	0.59	0.00	2731	2.167	2.183	0.0477	OK	0.00	0
Benzene #2	0.08	0.00	1005	3.512	3.512	0.0380	OK	0.00	0
Toluene #2	0.23	0.00	2755	4.873	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.26	0.00	2823	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.36	0.00	4538	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.21	0.00	2387	6.563	6.561	0.0344	OK	0.00	0
Naphthalene #2	4.39	13003.75	44711	10.210	10.248	0.0344	*	0.00	0
C9-C10 AROMATICS #2	182.22	540169.44	2149501						540169
2,5-Dibromotoluene #2	2.72		21457						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									705501

9/13/10

9/13/2010 3:18 PM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28865.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:06 pm
Operator : JJL
Sample : 67722-3,50X
Misc : 2,10.12,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:18:02 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.347	11.350	12631	21457	4.294m	2.719m#
	Spiked Amount	100.000	Range	70 - 130	Recovery	= 4.29%#	2.72%#
	Target Compounds						
1) Z	Pentane	1.559	1.594	104	984	0.015	NoCal #
2) Z	2-Methylp...	2.014	2.006	607	656	0.074	NoCal #
3) TM	Methyl-t-...	2.202	2.167	67	2731	NoCal	0.586 #
4) Z	2,2,4-Tri...	3.273	3.284	425	511	0.055	NoCal #
5) TM	Benzene	3.518	3.512	670	1005	NoCal	0.077 #
6) TM	Toluene	4.879	4.873	457	2755	NoCal	0.231 #
7) XH	C5-C8 ALI...	3.717	0.000	51178	0	6.987	N.D. #
9) TM	Ethylbenzene	6.113	6.121	2232	2823	NoCal	0.258 #
10) TM	m,p-Xylene	6.186	6.187	1901	4538	NoCal	0.362 #
11) TM	o-Xylene	6.567	6.563	1480	2387	NoCal	0.213 #
12) Z	n-Decane	7.153	7.160	13243	6327	1.920	NoCal #
13) Z	n-Butylcy...	7.834	7.827	44396	18321	6.031	NoCal #
14) XH	C9-C12 AL...	10.120f	0.000	2995742	0	420.220	N.D. #
15) ZM	1,2,4-Tri...	7.722	7.721	23488	12633	NoCal	1.071 #
16) XH	C9-C10 AR...	10.410	8.424	804	2149501	NoCal	182.223 #
17) TM	Naphthalene	10.185	10.210	52782	44711	NoCal m	4.387m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

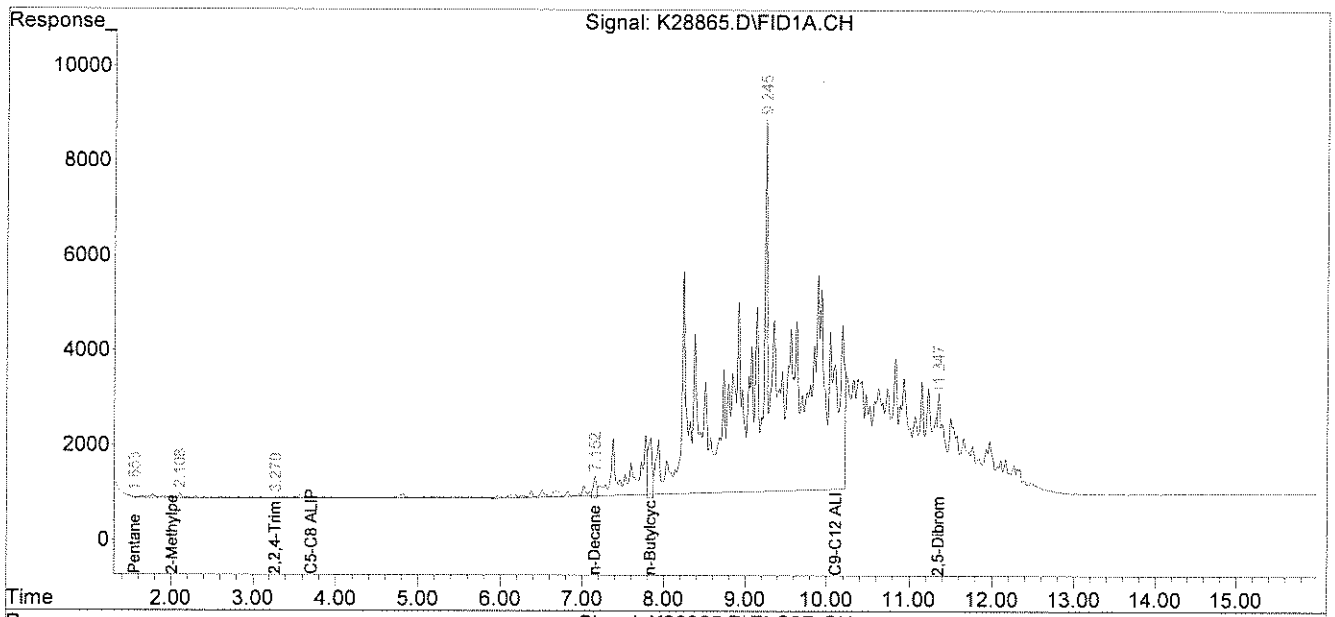
9/13/10

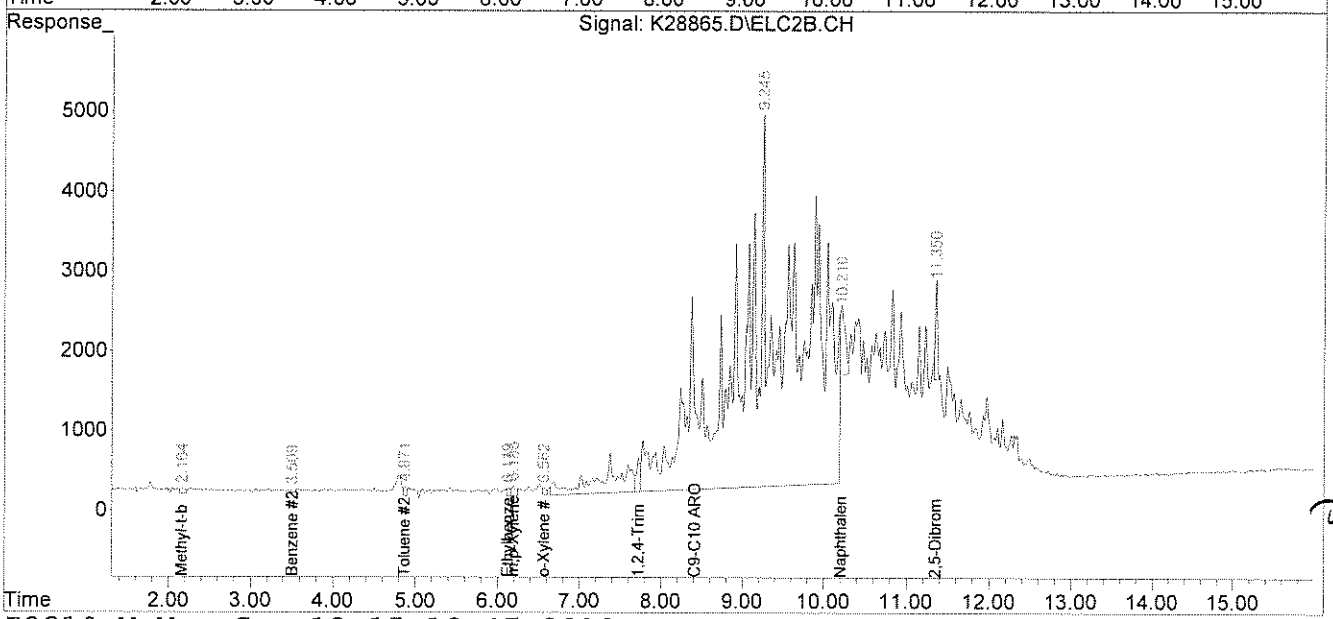
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28865.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:06 pm
Operator : JJL
Sample : 67722-3,50X
Misc : 2,10.12,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:18:02 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





091310

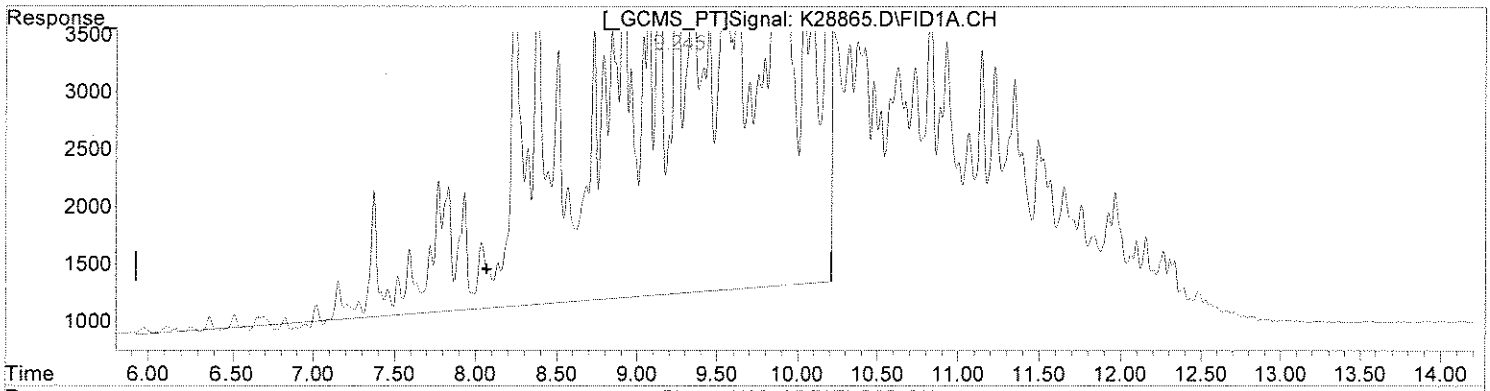
Quantitation Report (Qedit)

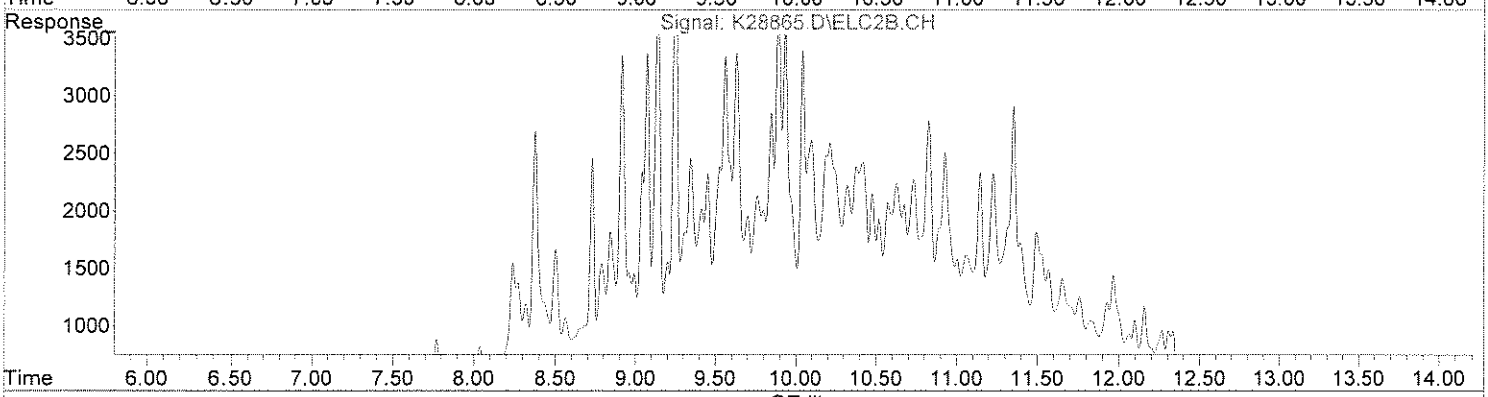
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28865.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:06 pm
Operator : JJL
Sample : 67722-3,50X
Misc : 2,10.12,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:16:14 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10
Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(14) C9-C12 ALIPHATICS (XH)
8.070min 373.257ug/L m
response 2660944

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

D91310

(+) = Expected Retention Time

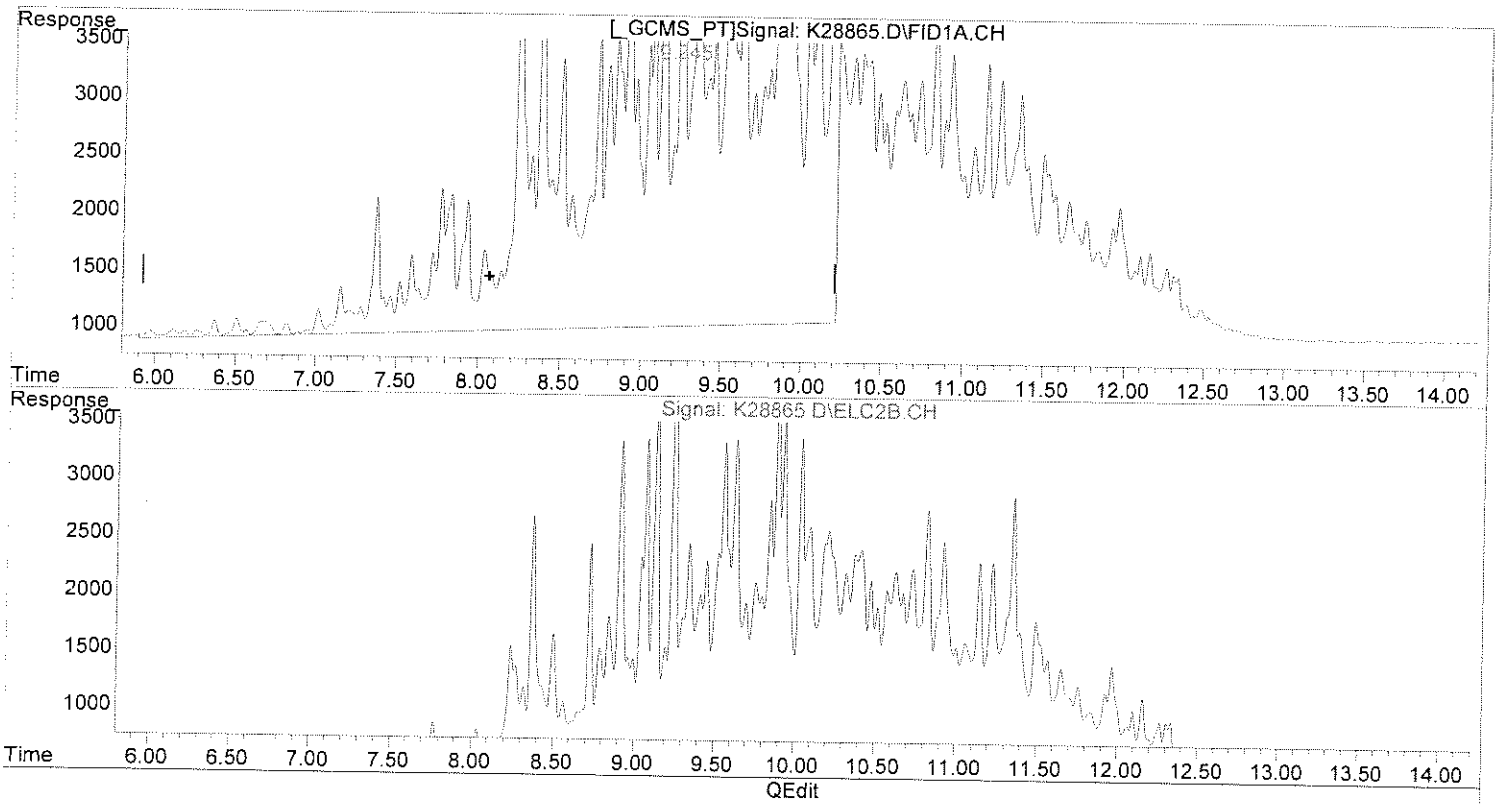
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28865.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:06 pm
Operator : JJL
Sample : 67722-3,50X
Misc : 2,10.12,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:16:14 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) C9-C12 ALIPHATICS (XH)
10.120min 420.220ug/L m
response 2995742

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

9/13/10

(+) = Expected Retention Time
VPH072210.M Mon Sep 13 15:16:45 2010

Page: 1

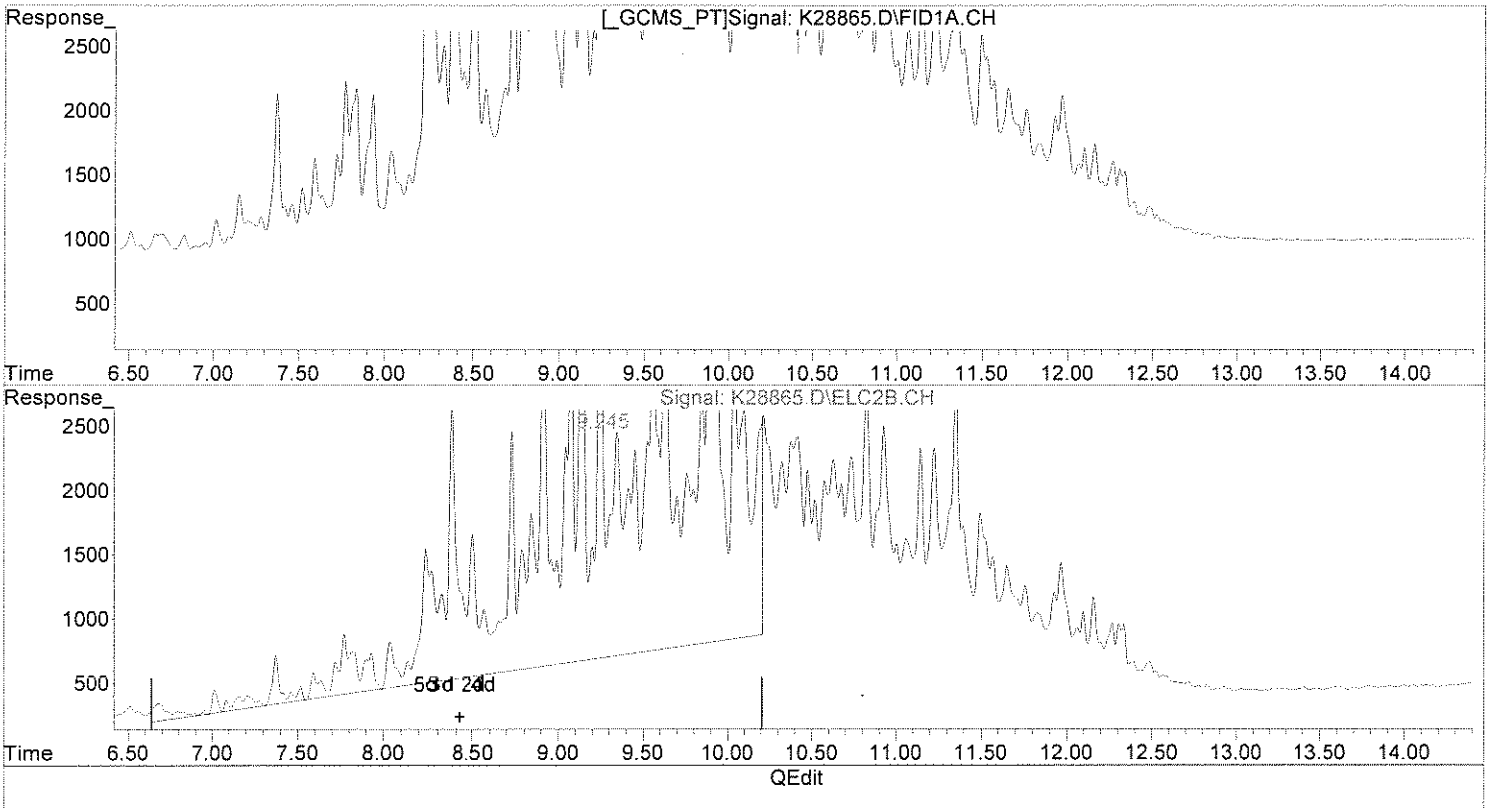
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28865.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:06 pm
Operator : JJL
Sample : 67722-3,50X
Misc : 2,10.12,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:16:14 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/13/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 804

(16) C9-C10 AROMATICS #2 (XH)
8.424min 135.783ug/L m
response 1601700

JJL 9/13/10

(+) = Expected Retention Time

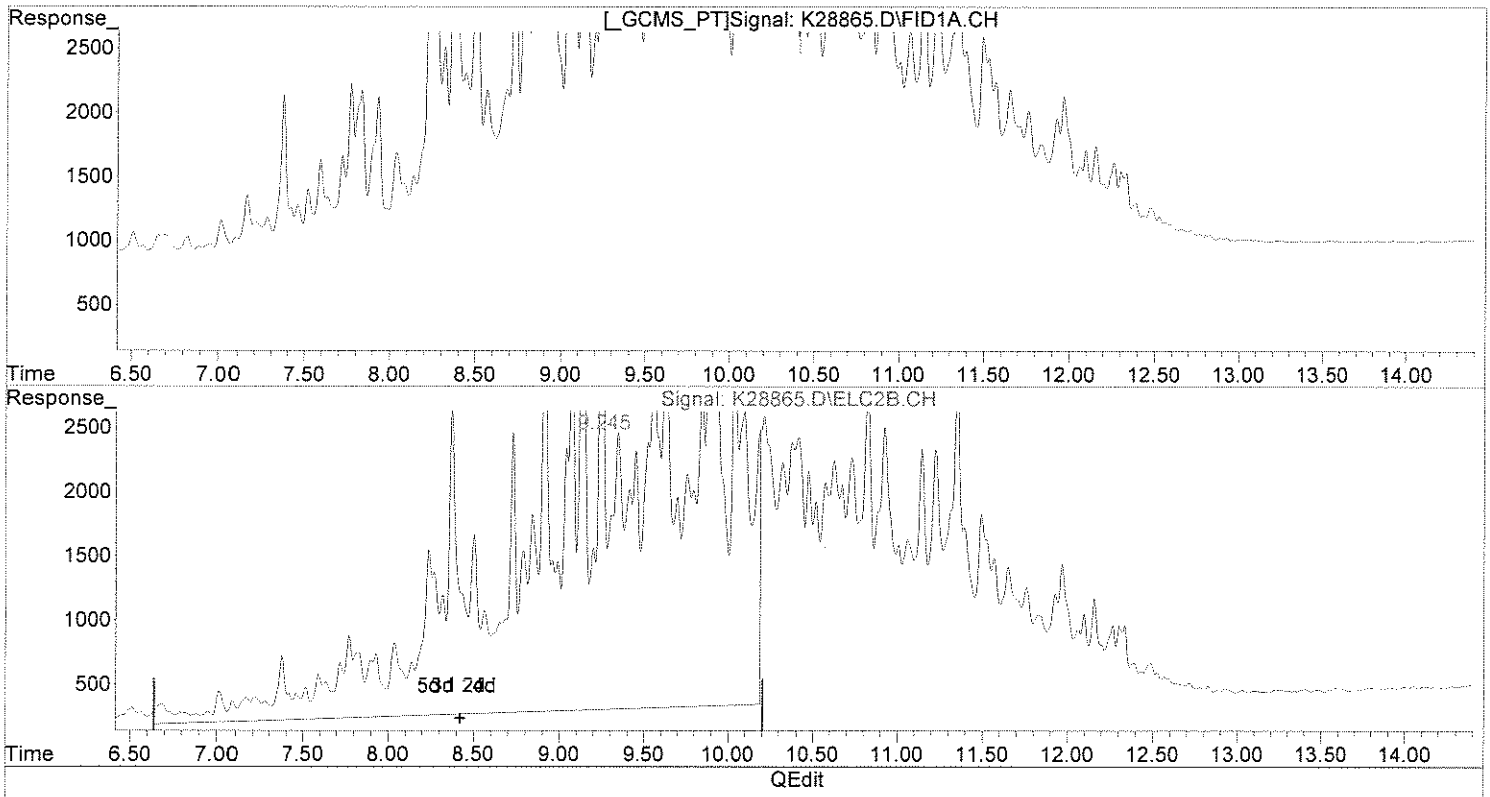
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28865.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:06 pm
Operator : JJL
Sample : 67722-3,50X
Misc : 2,10.12,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:16:14 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJS 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 804

(16) C9-C10 AROMATICS #2 (XH)
8.424min 182.223ug/L m
response 2149501

291310

(+) = Expected Retention Time

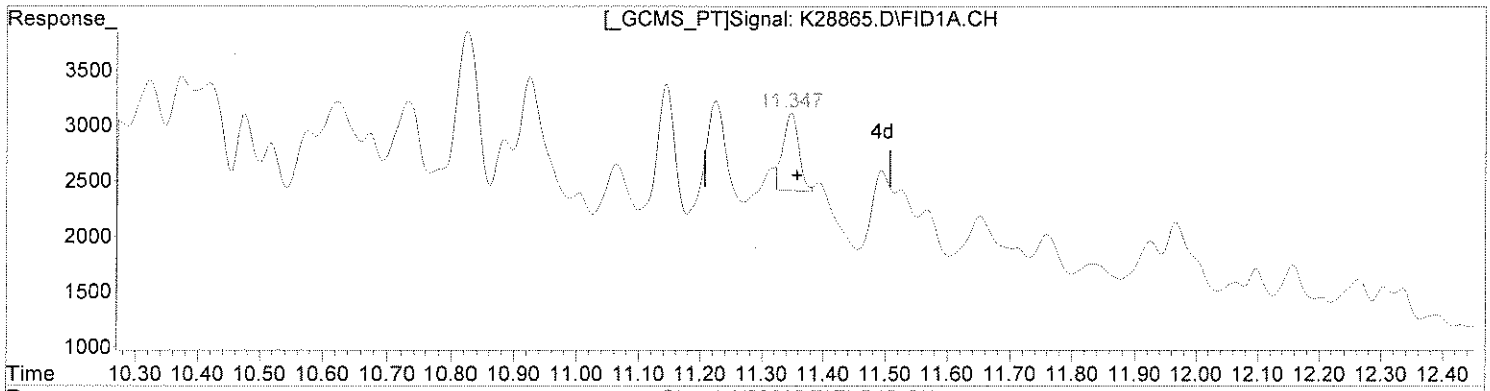
Quantitation Report (Qedit)

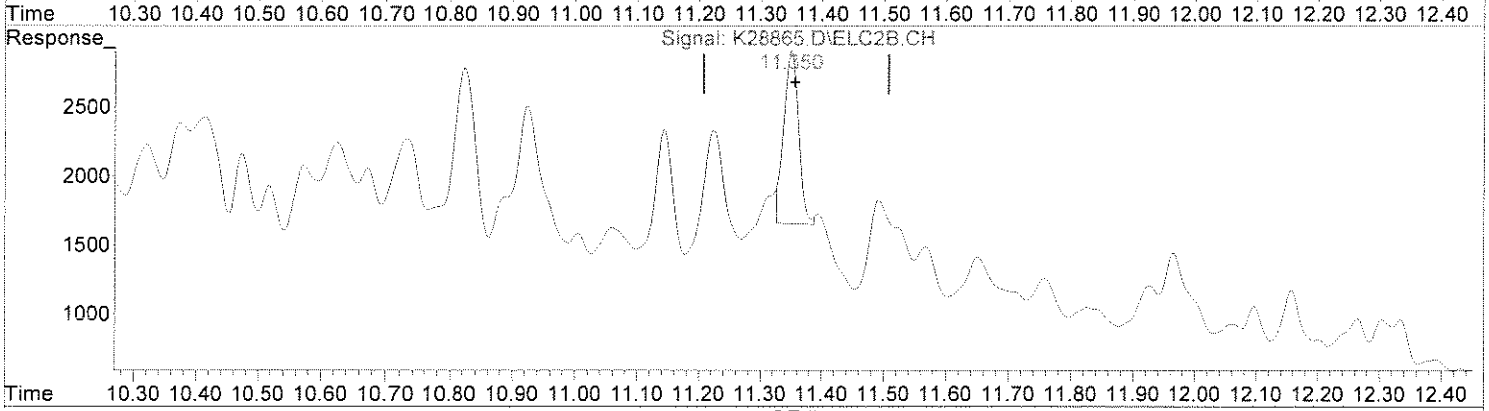
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28865.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:06 pm
Operator : JJL
Sample : 67722-3,50X
Misc : 2,10.12,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:16:14 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10
* m.P.
No Before

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(18) 2,5-Dibromotoluene (S)
11.347min 4.294ug/L m
response 12631

(18) 2,5-Dibromotoluene #2 (S)
11.350min 2.719ug/L m
response 21457

291360

(+) = Expected Retention Time

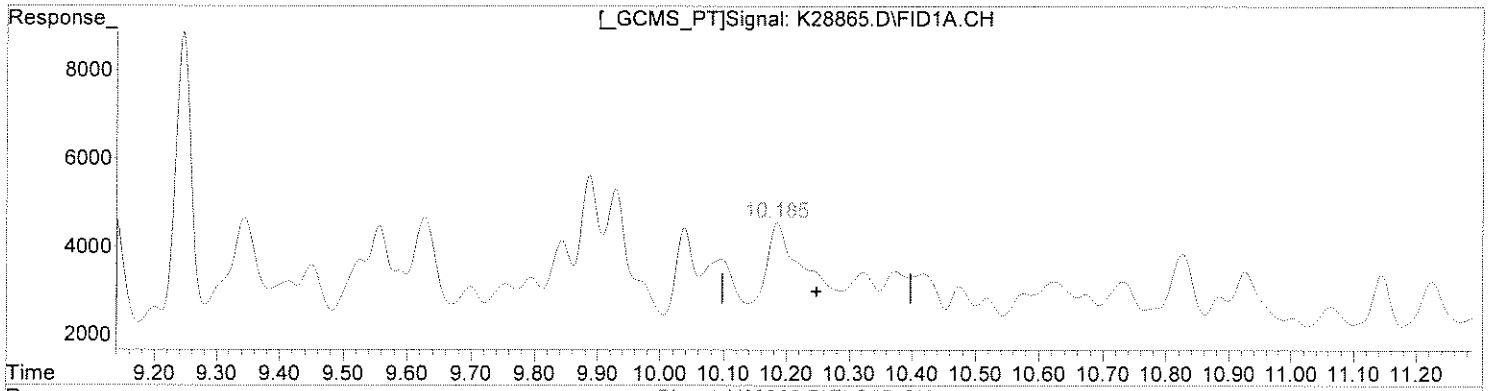
Quantitation Report (Qedit)

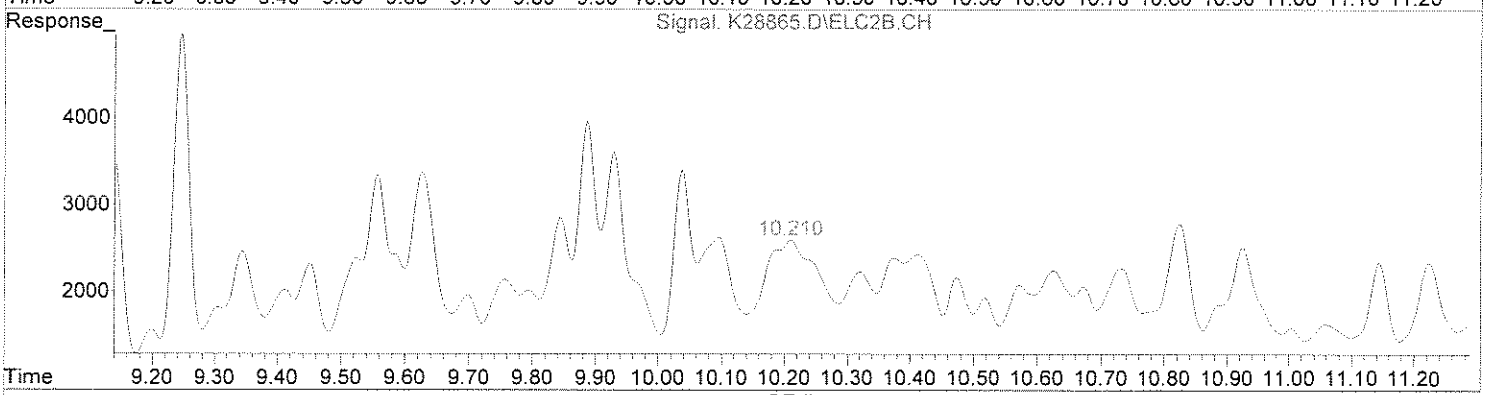
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28865.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:06 pm
Operator : JJL
Sample : 67722-3,50X
Misc : 2,10.12,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:16:14 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10 *M.P.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(17) Naphthalene (TM)
10.186min 0.000ug/L
response 229752

(17) Naphthalene #2 (TM)
10.211min 16.280ug/L
response 165930

91310

(+) = Expected Retention Time

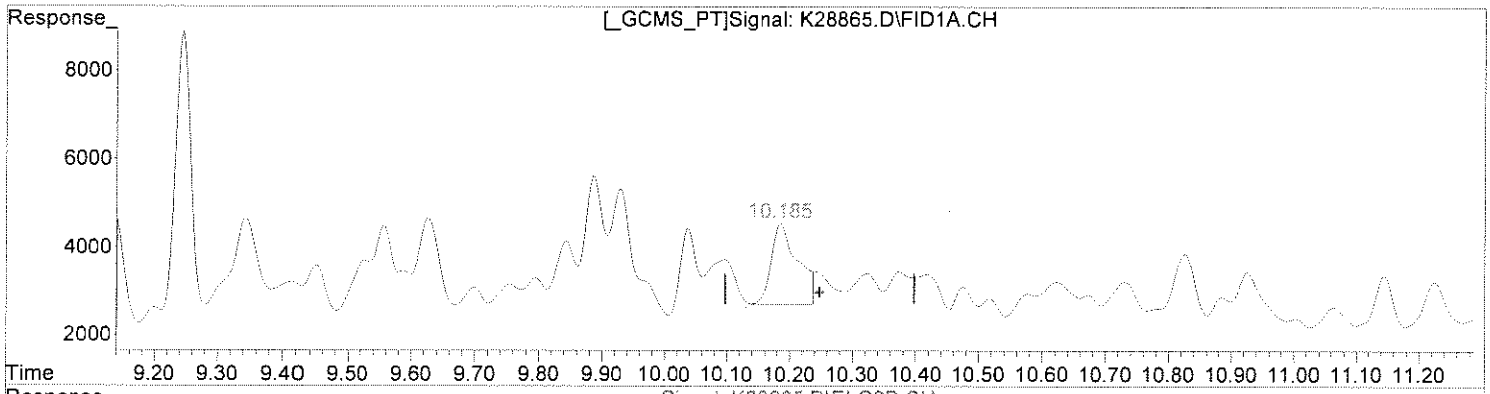
Quantitation Report (Qedit)

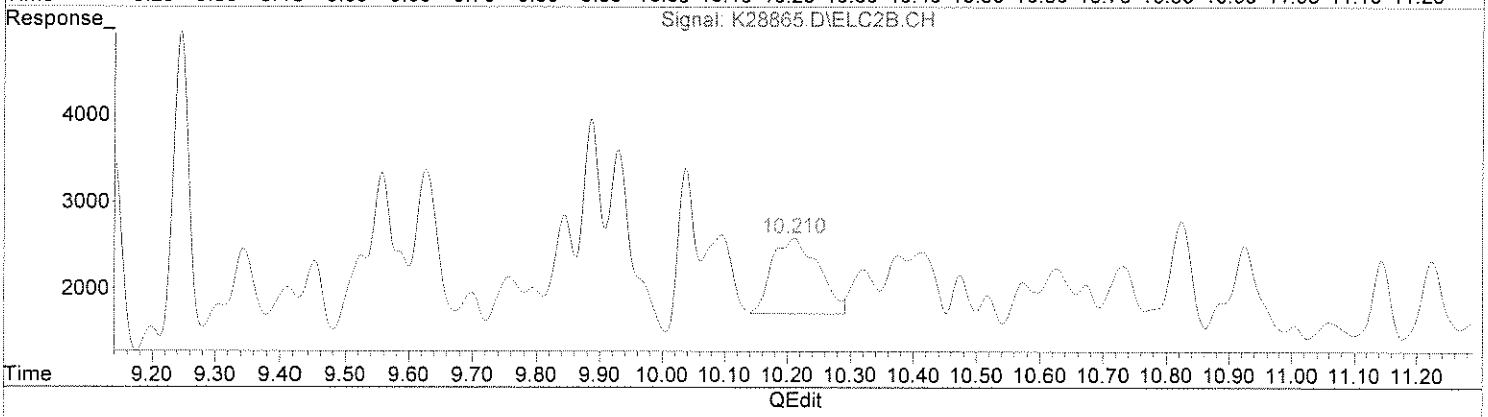
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28865.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:06 pm
Operator : JJL
Sample : 67722-3,50X
Misc : 2,10.12,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:16:14 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(17) Naphthalene (TM)
10.185min 0.000ug/L m
response 52782

(17) Naphthalene #2 (TM)
10.210min 4.387ug/L m
response 44711

591310

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM3-11

SAMPLE DATA

Lab Sample ID:	67722-4
Matrix:	Solid
Percent Solid:	92
Dilution Factor:	613
Collection Date:	09/09/10
Lab Receipt Date:	09/09/10
Analysis Date:	09/10/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	30700	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	30700	µg/kg	**1210000 E**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	30700	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	30700	µg/kg	**752000 E**
C9-C10 Aromatic Hydrocarbons[1]	N/A	6130	µg/kg	**461000 E**
Surrogate % Recovery (2,5-Dibromotoluene) PID				122
Surrogate % Recovery (2,5-Dibromotoluene) FID				281 *
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a moisture corrected and dry weight basis.
* Surrogate recovery outside laboratory acceptance criteria due to matrix affect.

Authorized signature: MHMull

VPH SOIL REPORT

Sample Name	**67722-4,10X**
Data File Name	K28850.D
Date Acquired	9/10/2010 14:59
Misc Info	10,9.59,SOIL ✓
Vol. MeOH Analyzed (uL)	10
Soil Weight (g)	9.59
Vol. MeOH (mL)	**10.00** ✓
% Solid (divided by 100)	**0.9176**
% Moisture (divided by 100)	0.0824
Vol. entrained water (mL)	0.7902
Total MeOH/water vol (mL)	10.7902
Dilution Factor	568.20
Moisture Corrected Dilution Factor	613.10

gg 9/13/10
RR @ 50X

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		30655	
Unadjusted C9-C12 Aliphatics	1213244 E		30655	
Benzene	U		1226	
Ethylbenzene	U		1226	
Methyl-t-butylether	U		1226	
Naphthalene	~~U~~ 3635		1226	
Toluene	U 29-1360		1226	
m,p-Xylenes	U		2452	
o-Xylene	U		1226	
C5-C8 Aliphatic Hydrocarbons	U		30655	
C9-C12 Aliphatic Hydrocarbons	752585 E		30655	
C9-C10 Aromatic Hydrocarbons	460659 E		6131	
PID Surrogate % Recovery	122%		70-130%	PASS ✓
FID Surrogate % Recovery	281%		70-130%	FAIL

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	12.43 ✓	0.00	91069						0
C9-C12 ALIPHATICS	1978.88 E	1213243.88	14107438						1213244
2,5-Dibromotoluene	26.08		76715						
PID RESULTS									
Methyl-t-butylether #2	0.42	0.00	1941	2.192	2.183	0.0477	OK	0.00	0
Benzene #2	0.10	0.00	1249	3.512	3.512	0.0380	OK	0.00	0
Toluene #2	0.22	0.00	2650	4.909	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.31	0.00	3374	6.109	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.19	0.00	2341	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.21	0.00	2329	6.562	6.561	0.0344	OK	0.00	0
Naphthalene #2 5928	~~16.790~~ 29-1360 ~~51.03~~	~~49670.02~~ Q	825897	~~10.187~~	10.248	0.0344	*	0.00	~~0~~ 3635
C9-C10 AROMATICS #2	51.37 E	460658.67	8863095	~~10.188~~ 10.242					460659
2,5-Dibromotoluene #2	11.30		89197						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									752585

J 9/13/10

9/13/2010 9:05 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28850.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:59 pm
Operator : JJL
Sample : 67722-4,10X
Misc : 10,9.59,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:05:04 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
18)	S	2,5-Dibro...	11.350	11.352	76715	89197	26.082m	11.301m#
Spiked Amount			100.000	Range	70 - 130	Recovery	=	26.08%# 11.30%#
		Target Compounds						
2)	Z	2-Methylp...	2.008	1.992	1814	1873	0.222	NoCal #
3)	TM	Methyl-t-...	0.000	2.192	0	1941	N.D.	0.416 #
4)	Z	2,2,4-Tri...	3.266	3.294	168	1030	0.022	NoCal #
5)	TM	Benzene	3.517	3.512	788	1249	NoCal	0.096 #
6)	TM	Toluene	4.881	4.909	760	2650	NoCal	0.222 #
7)	XH	C5-C8 ALI...	3.717	0.000	91069	0	12.433	N.D. #
9)	TM	Ethylbenzene	6.108	6.109	6491	3374	NoCal	0.309 #
10)	TM	m,p-Xylene	6.168	6.187	4446	2341	NoCal	0.187 #
11)	TM	o-Xylene	6.567	6.562	4108	2329	NoCal	0.208 #
12)	Z	n-Decane	7.154	7.162	48689	16990	7.060	NoCal #
13)	Z	n-Butylcy...	7.836	7.818	165961	66025	22.545	NoCal #
14)	XH	C9-C12 AL...	10.120f	0.000	14107438	0	1978.882	N.D. #
15)	ZM	1,2,4-Tri...	7.723	7.723	83230	38129	NoCal	3.232 #
16)	XH	C9-C10 AR...	10.410	8.424	1710	8863095	NoCal	751.365 #
17)	TM	Naphthalene	10.248	10.187	446819	825897	NoCal	81.031 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9/13/10

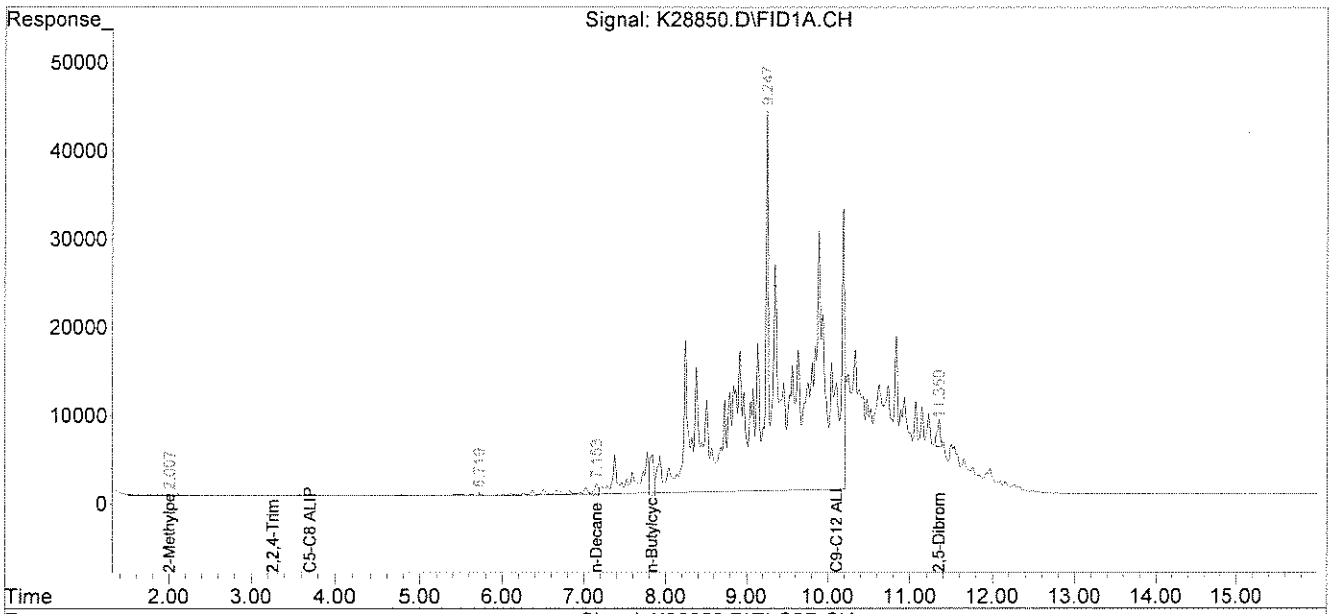
Quantitation Report (QT Reviewed)

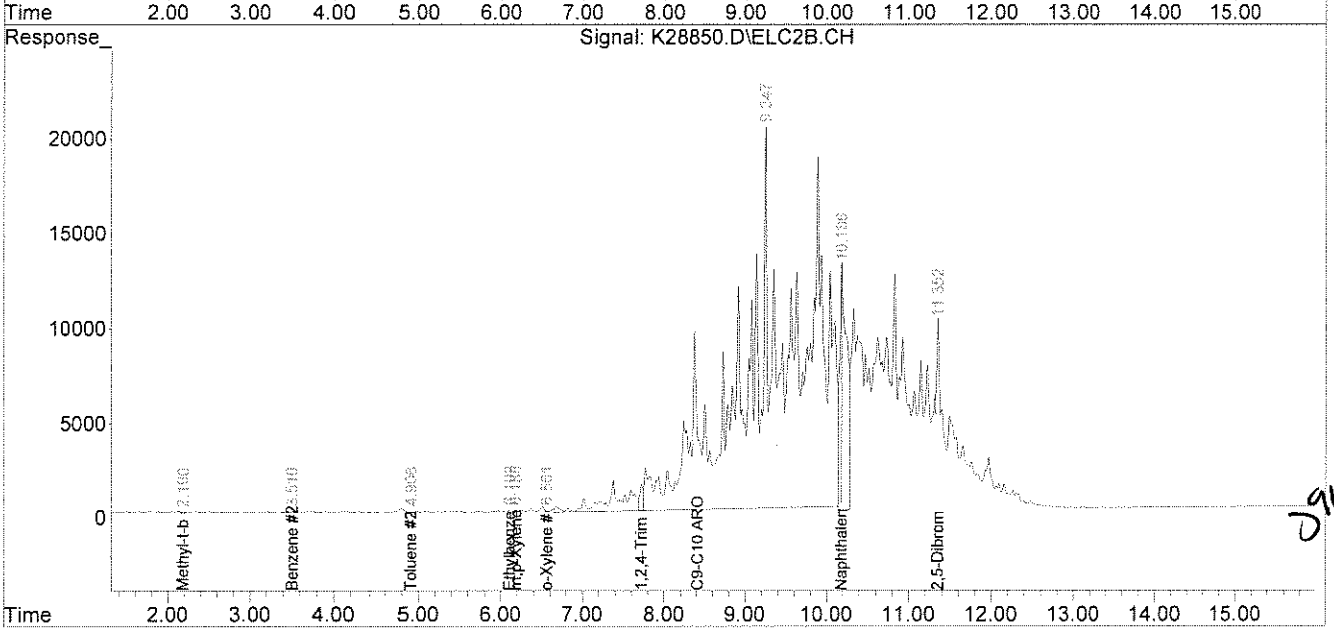
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28850.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:59 pm
Operator : JJL
Sample : 67722-4,10X
Misc : 10,9.59,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:05:04 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





091310

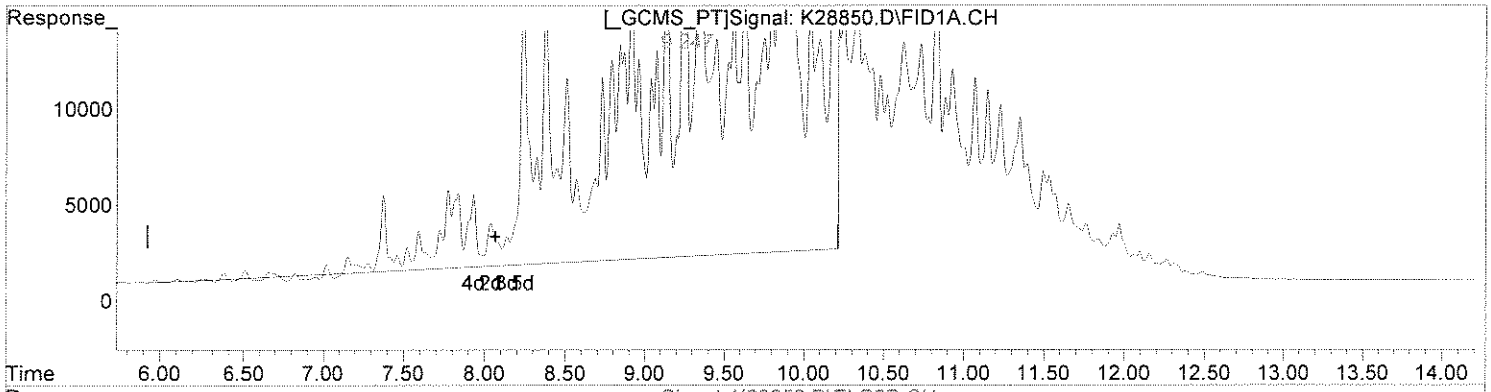
Quantitation Report (Qedit)

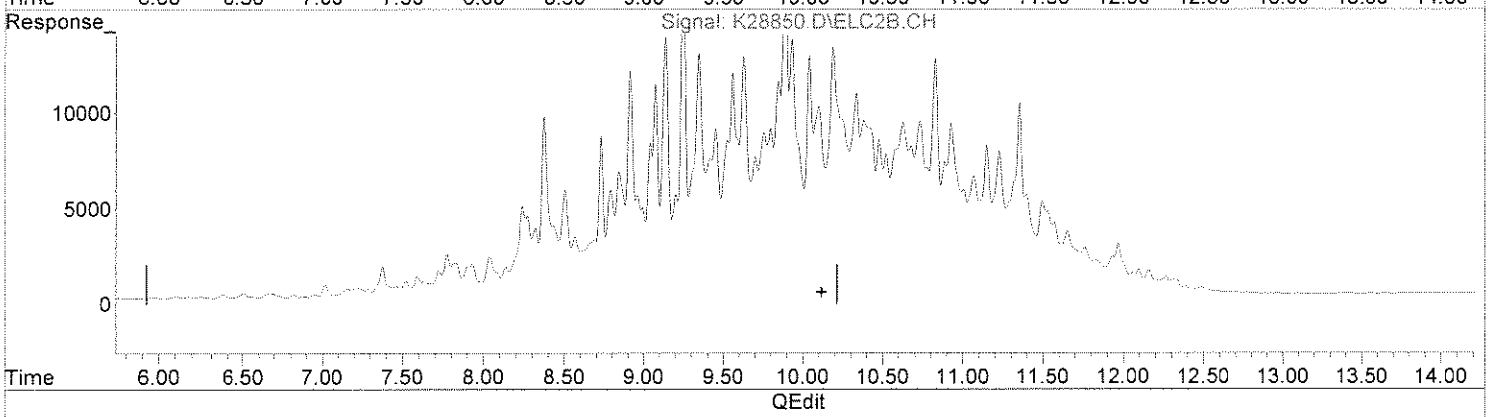
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28850.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:59 pm
Operator : JJL
Sample : 67722-4,10X
Misc : 10,9.59,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:04:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(14) C9-C12 ALIPHATICS (XH)
8.070min 1776.036ug/L m
response 12661348

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

571310

(+) = Expected Retention Time

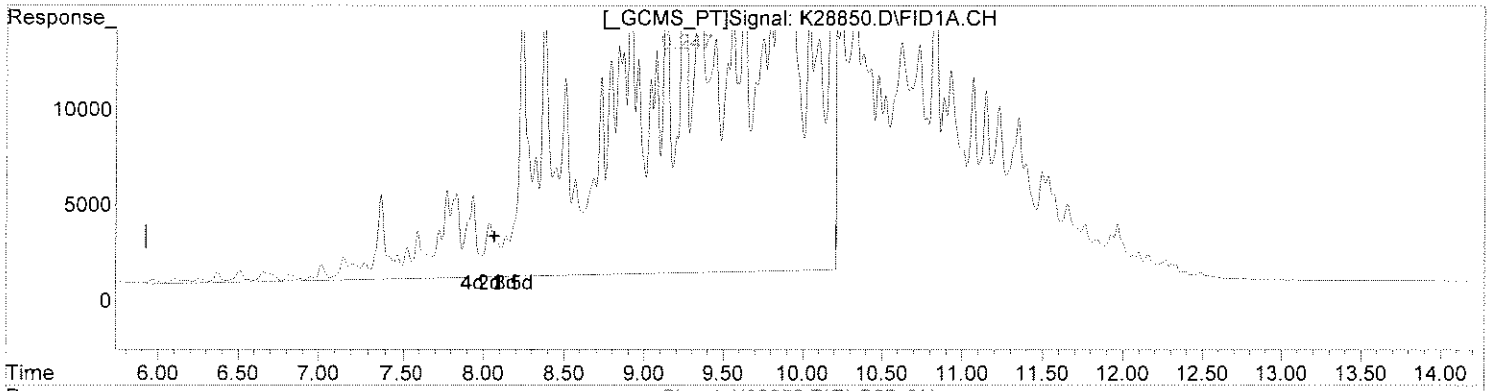
Quantitation Report (Qedit)

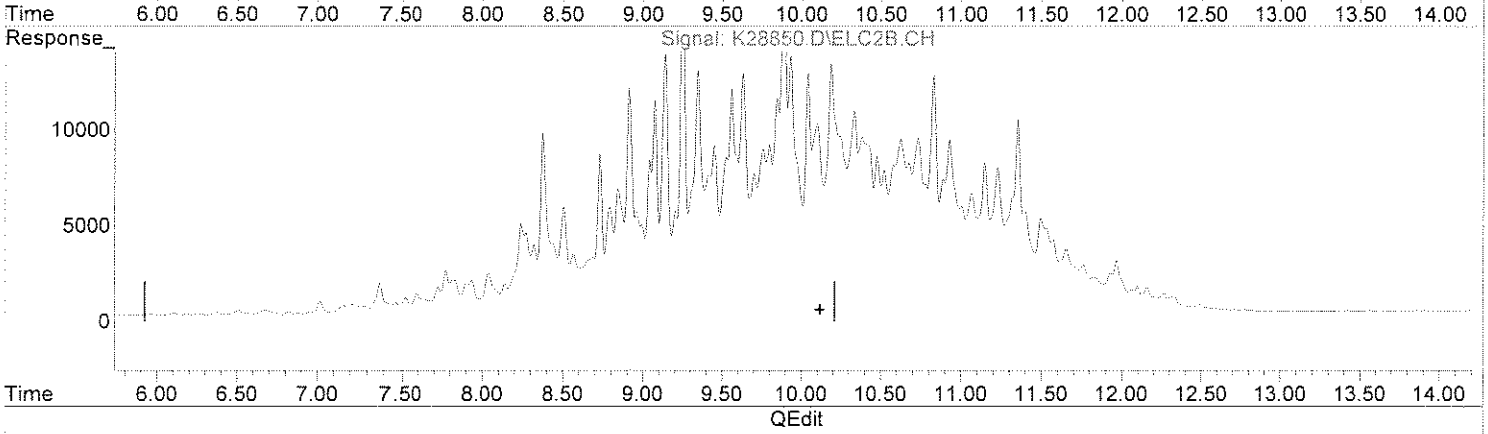
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28850.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:59 pm
Operator : JJL
Sample : 67722-4,10X
Misc : 10,9.59,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:04:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(14) C9-C12 ALIPHATICS (XH)
10.120min 1978.882ug/L m
response 14107438

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

091310

(+) = Expected Retention Time

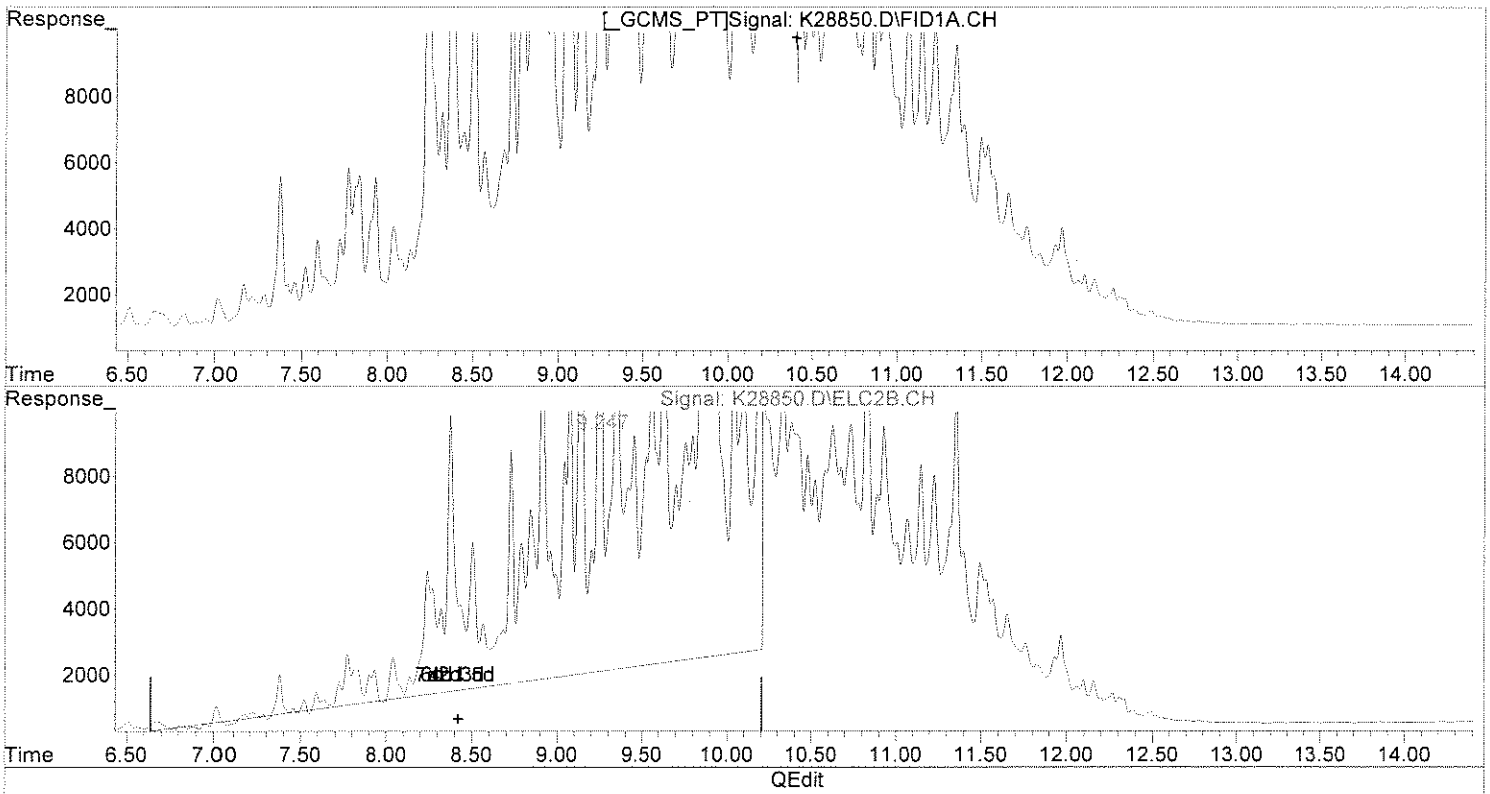
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28850.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:59 pm
Operator : JJL
Sample : 67722-4,10X
Misc : 10,9.59,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:04:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JS 9/13/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 1710

(16) C9-C10 AROMATICS #2 (XH)
8.424min 568.456ug/L m
response 6705504

J91310

(+) = Expected Retention Time

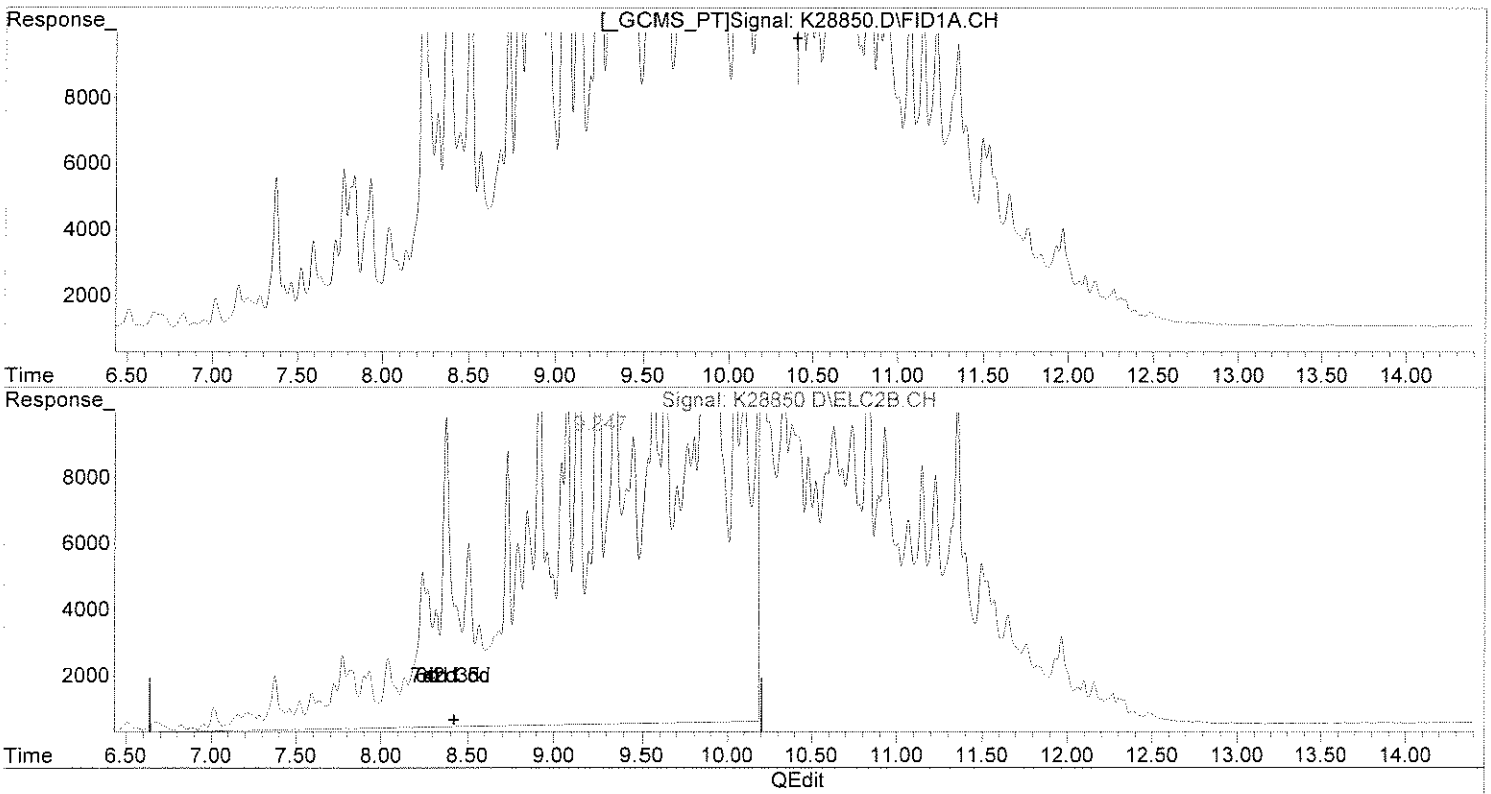
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28850.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:59 pm
Operator : JJL
Sample : 67722-4,10X
Misc : 10,9.59,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:04:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 1710

(16) C9-C10 AROMATICS #2 (XH)
8.424min 751.365ug/L m
response 8863095

9/13/10

(+) = Expected Retention Time

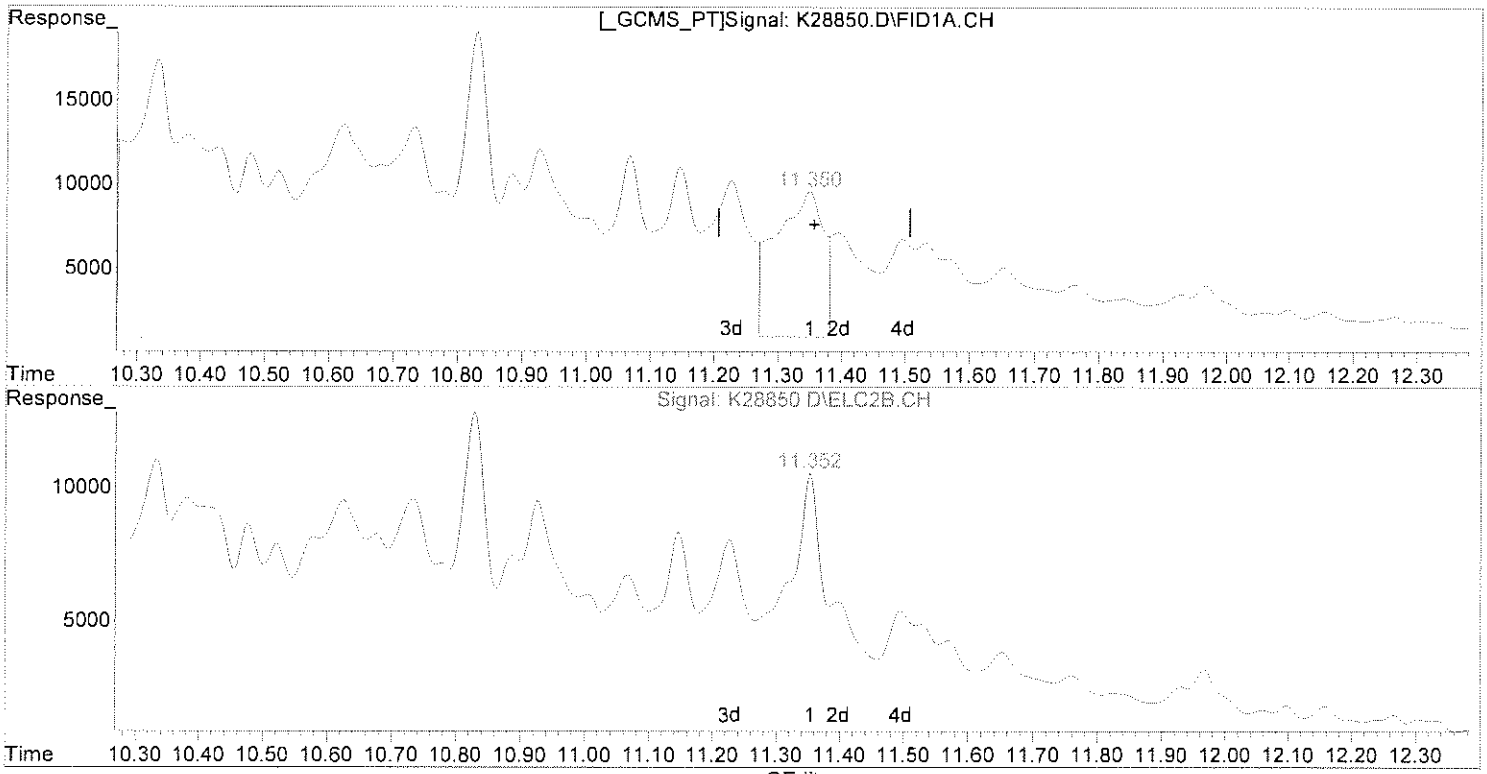
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28850.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:59 pm
Operator : JJL
Sample : 67722-4,10X
Misc : 10,9.59,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:04:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10 *E.A

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,5-Dibromotoluene (S)
11.351min 155.306ug/L
response 456806

(18) 2,5-Dibromotoluene #2 (S)
11.354min 56.592ug/L
response 446680

37120

(+) = Expected Retention Time

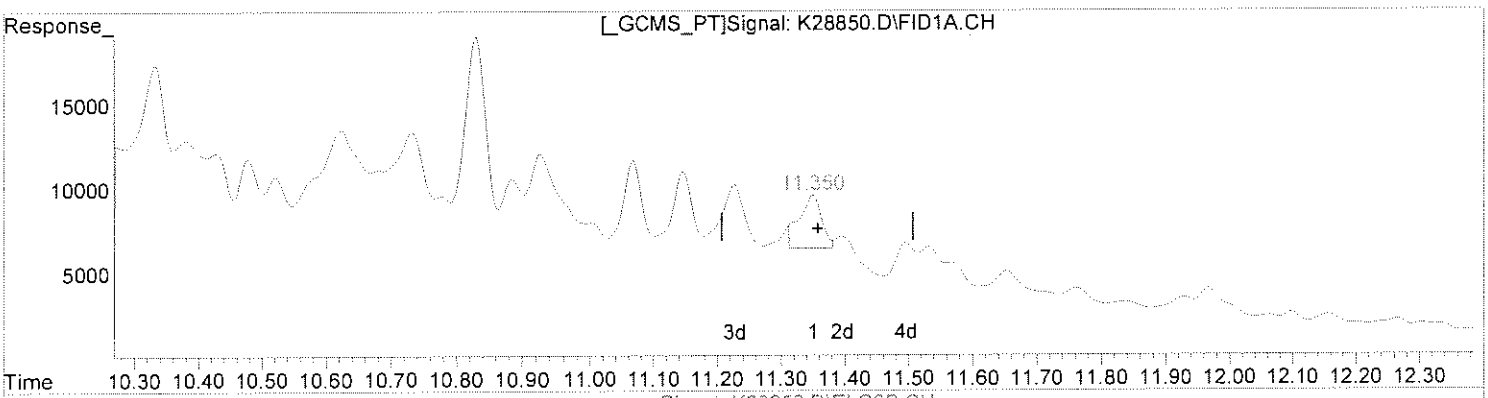
Quantitation Report (Qedit)

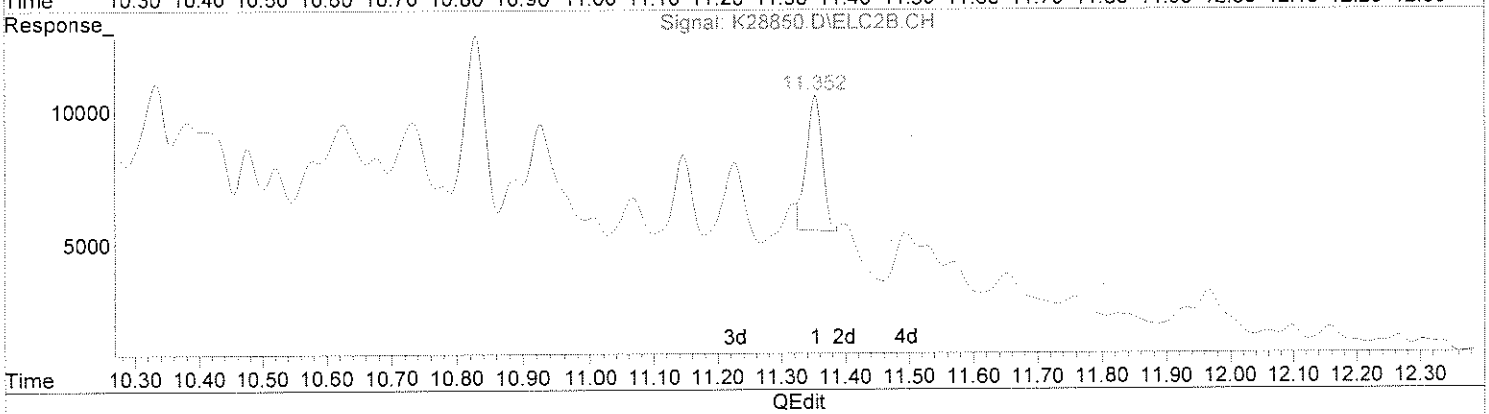
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28850.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:59 pm
Operator : JJL
Sample : 67722-4,10X
Misc : 10,9.59,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:04:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJ 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(18) 2,5-Dibromotoluene (S)
11.350min 26.082ug/L m
response 76715

(18) 2,5-Dibromotoluene #2 (S)
11.352min 11.301ug/L m
response 89197

071310

(+) = Expected Retention Time

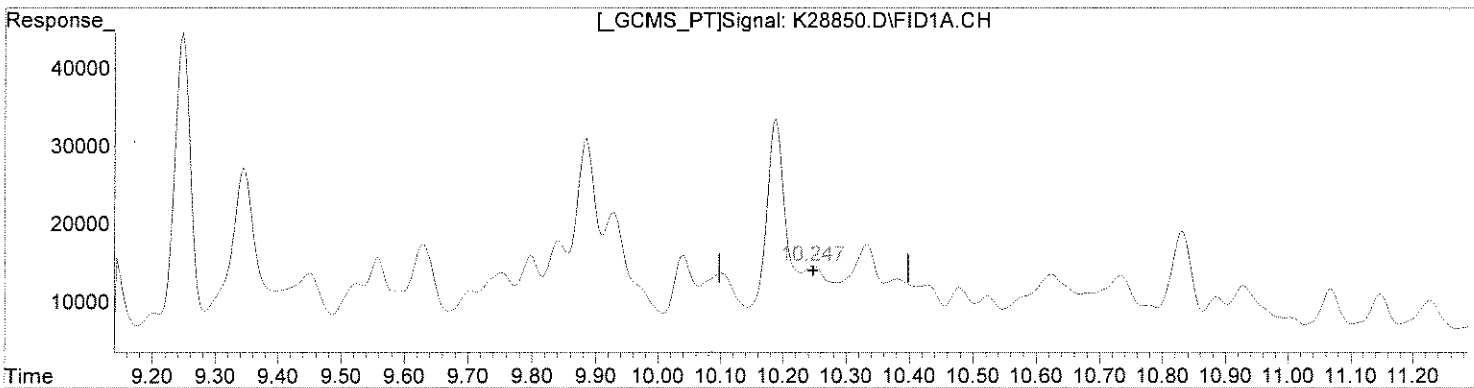
Quantitation Report (Qedit)

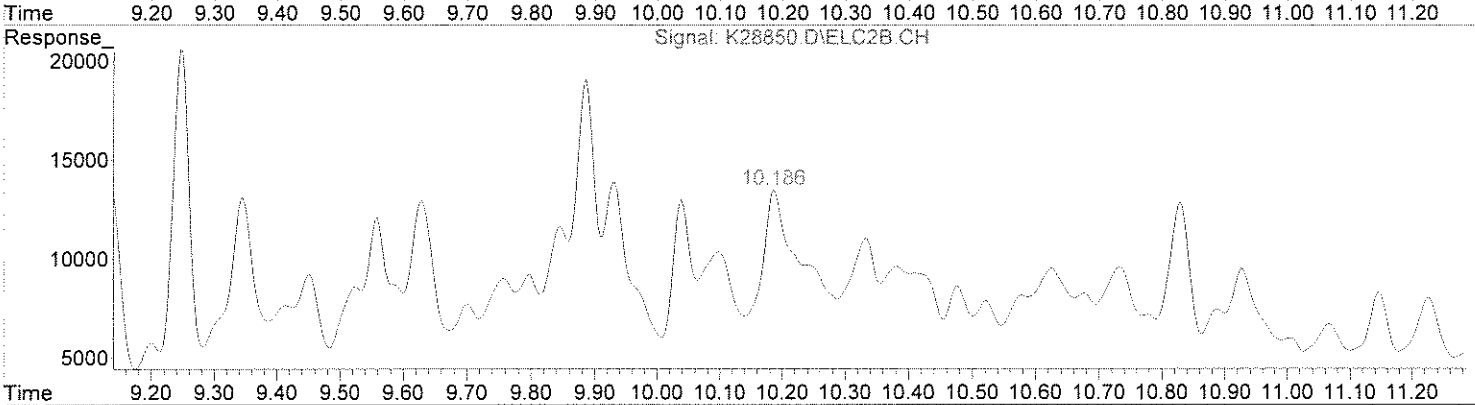
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28850.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:59 pm
Operator : JJL
Sample : 67722-4,10X
Misc : 10,9.59,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:05:04 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

D91310
EA

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(17) Naphthalene (TM)
10.248min 0.000ug/L
response 446819

(17) Naphthalene #2 (TM)
10.187min 81.031ug/L
response 825897

D71310

(+) = Expected Retention Time

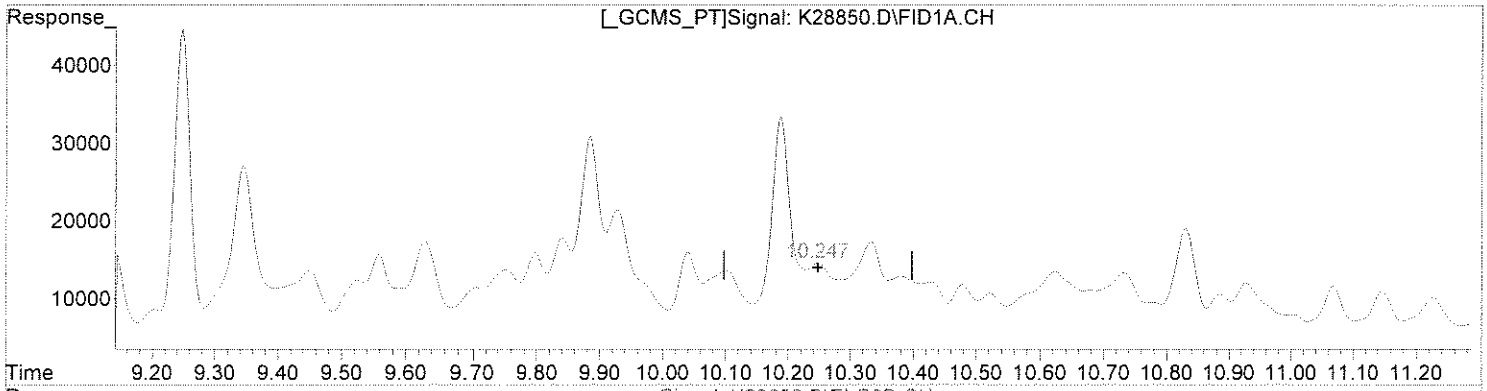
Quantitation Report (Qedit)

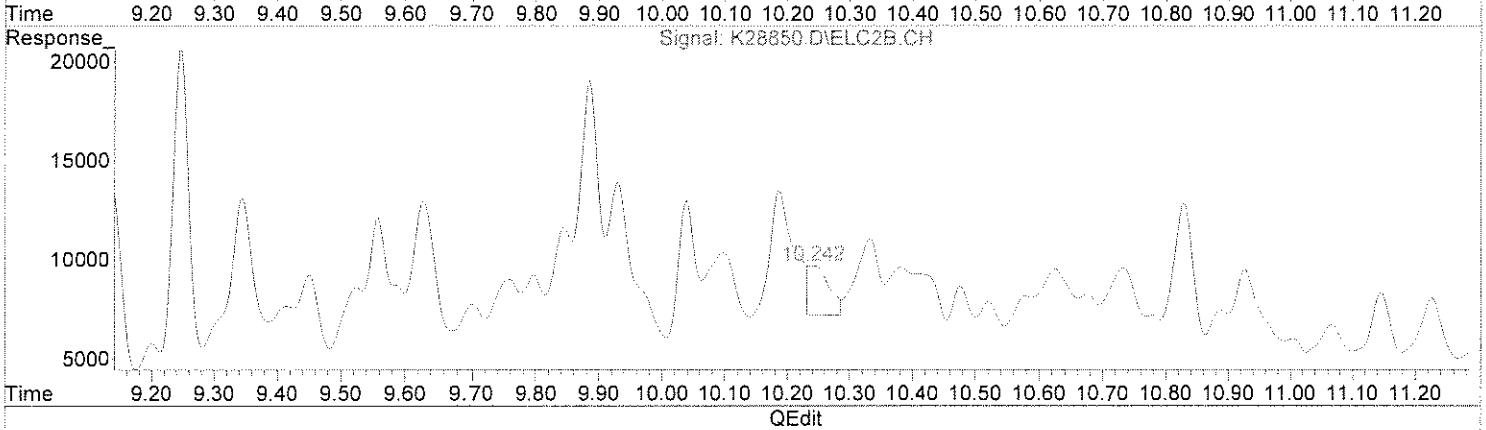
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28850.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 2:59 pm
Operator : JJL
Sample : 67722-4,10X
Misc : 10,9.59,SOIL
ALS Vial : 10 Sample Multiplier: 1

571310

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:05:04 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(17) Naphthalene (TM)
10.248min 0.000ug/L
response 446819

(17) Naphthalene #2 (TM)
10.242min 5.928ug/L m
response 60423

571310

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM3-11

SAMPLE DATA

Lab Sample ID:	67722-4 DL
Matrix:	Solid
Percent Solid:	92
Dilution Factor:	3066
Collection Date:	09/09/10
Lab Receipt Date:	09/09/10
Analysis Date:	09/10/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	153000	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	153000	µg/kg	**1300000**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	153000	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	153000	µg/kg	**826000**
C9-C10 Aromatic Hydrocarbons[1]	N/A	30700	µg/kg	**474000**
Surrogate % Recovery (2,5-Dibromotoluene) PID				*
Surrogate % Recovery (2,5-Dibromotoluene) FID				*
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a moisture corrected and dry weight basis.* The surrogates were diluted out.

Authorized signature: [signature]

VPH SOIL REPORT

Sample Name	**67722-4,50X** DL
Data File Name	K28853.D
Date Acquired	9/10/2010 17:01
Misc Info	2,9.59,SOIL
Vol. MeOH Analyzed (uL)	2
Soil Weight (g)	9.59
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9176**
% Moisture (divided by 100)	0.0824
Vol. entrained water (mL)	0.7902
Total MeOH/water vol (mL)	10.7902
Dilution Factor	2840.98
Moisture Corrected Dilution Factor	3065.48

gg 9/13/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		153274	
Unadjusted C9-C12 Aliphatics	1300498		153274	
Benzene	U		6131	
Ethylbenzene	U		6131	
Methyl-t-butylether	U		6131	
Naphthalene	17954		6131	
Toluene	U		6131	
m,p-Xylenes	U		12262	
o-Xylene	U		6131	
C5-C8 Aliphatic Hydrocarbons	U		153274	
C9-C12 Aliphatic Hydrocarbons	826085		153274	
C9-C10 Aromatic Hydrocarbons	474413		30655	
PID Surrogate % Recovery	D		70-130%	D
FID Surrogate % Recovery	D		70-130%	D

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	11.35	0.00	83137						0
C9-C12 ALIPHATICS	424.24	1300498.43	3024404						1300498
2,5-Dibromotoluene	3.99		11738						
PID RESULTS									
Methyl-t-butylether #2	0.12	0.00	554	2.185	2.183	0.0477	OK	0.00	0
Benzene #2	0.10	0.00	1245	3.458	3.512	0.0380	*	0.00	0
Toluene #2	0.10	0.00	1139	4.878	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.11	0.00	1175	6.120	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.11	0.00	1441	6.186	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.08	0.00	948	6.566	6.561	0.0344	OK	0.00	0
Naphthalene #2	5.86	17954.45	59697	10.247	10.248	0.0344	OK	17954.45	17954
C9-C10 AROMATICS #2	154.76	474412.96	1825546						474413
2,5-Dibromotoluene #2	2.38		18794						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									826085

9/13/10

9/13/2010 9:12 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28853.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 5:01 pm
Operator : JJL
Sample : 67722-4,50X
Misc : 2,9.59,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:44:49 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJ 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
18)	S	2,5-Dibro...	11.349	11.351	11738	18794	3.991m	2.381m#
		Spiked Amount	100.000	Range	70 - 130	Recovery	=	3.99%# 2.38%#
		Target Compounds						
1)	Z	Pentane	1.592	1.572	123	1337	0.018	NoCal #
2)	Z	2-Methylp...	1.999	2.015	862	1010	0.105	NoCal #
3)	TM	Methyl-t-...	2.166	2.185	391	554	NoCal	0.119 #
4)	Z	2,2,4-Tri...	3.255	3.291	660	1730	0.086	NoCal #
5)	TM	Benzene	3.515	3.458	535	1245	NoCal	0.096 #
6)	TM	Toluene	4.876	4.878	633	1139	NoCal	0.095 #
7)	XH	C5-C8 ALI...	3.717	0.000	83137	0	11.350	N.D. #
9)	TM	Ethylbenzene	6.110	6.120	1974	1175	NoCal	0.108 #
10)	TM	m,p-Xylene	6.186	6.186	1462	1441	NoCal	0.115 #
11)	TM	o-Xylene	6.566	6.566	772	948	NoCal	0.085 #
12)	Z	n-Decane	7.153	7.152	9510	3820	1.379	NoCal #
13)	Z	n-Butylcy...	7.835	7.816	35197	5895	4.781	NoCal #
14)	XH	C9-C12 AL...	10.120f	0.000	3024404	0	424.240	N.D. #
15)	ZM	1,2,4-Tri...	7.723	7.723	17126	9775	NoCal	0.829 #
16)	XH	C9-C10 AR...	10.410	8.424	884	1825546	NoCal	154.760 #
17)	TM	Naphthalene	10.246	10.246	9613	8588	NoCal m	0.843m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

291310

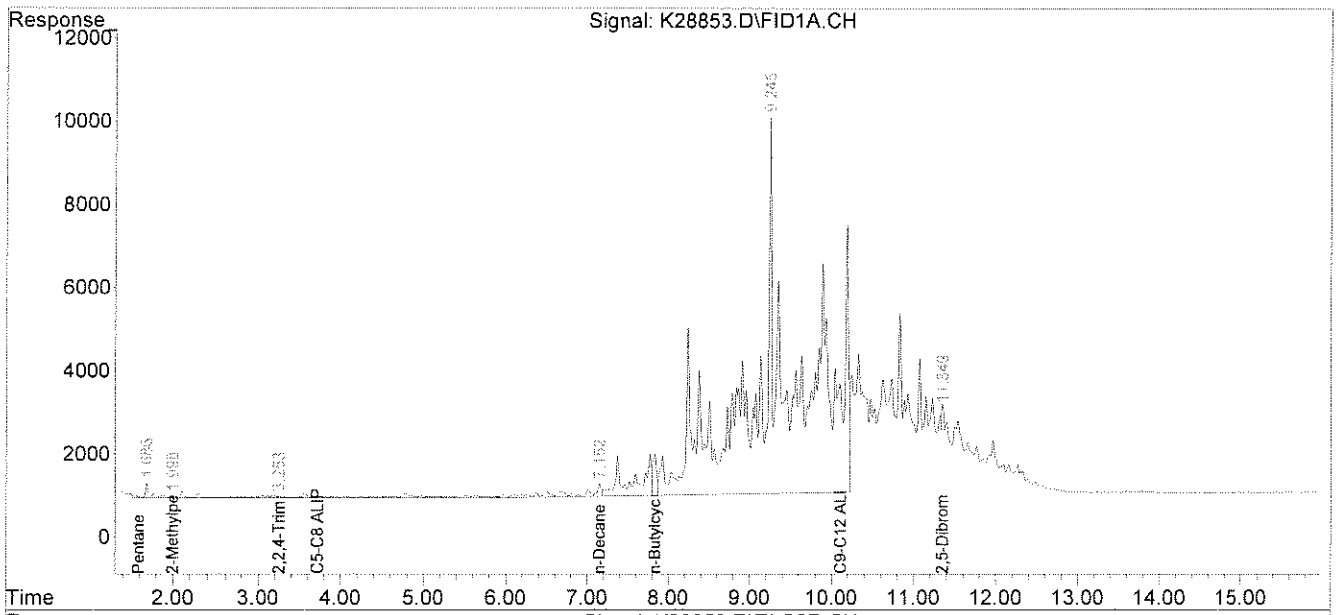
Quantitation Report (QT Reviewed)

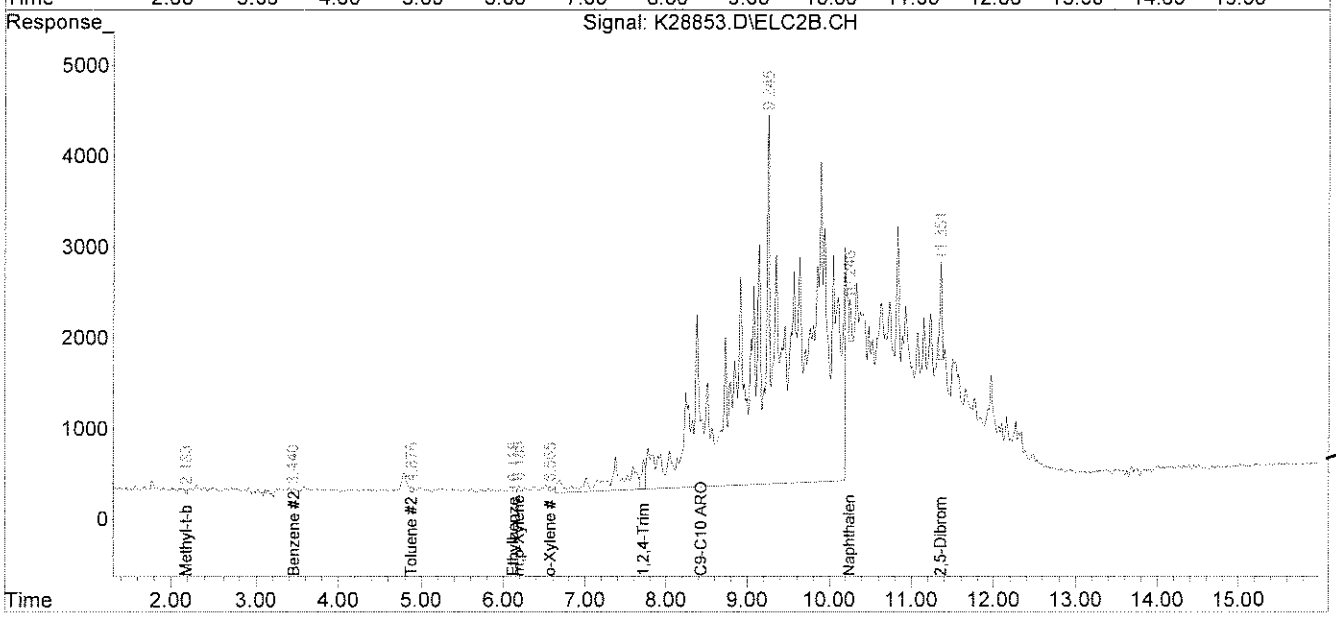
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28853.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 5:01 pm
Operator : JJL
Sample : 67722-4,50X
Misc : 2,9.59,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:44:49 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/13/10

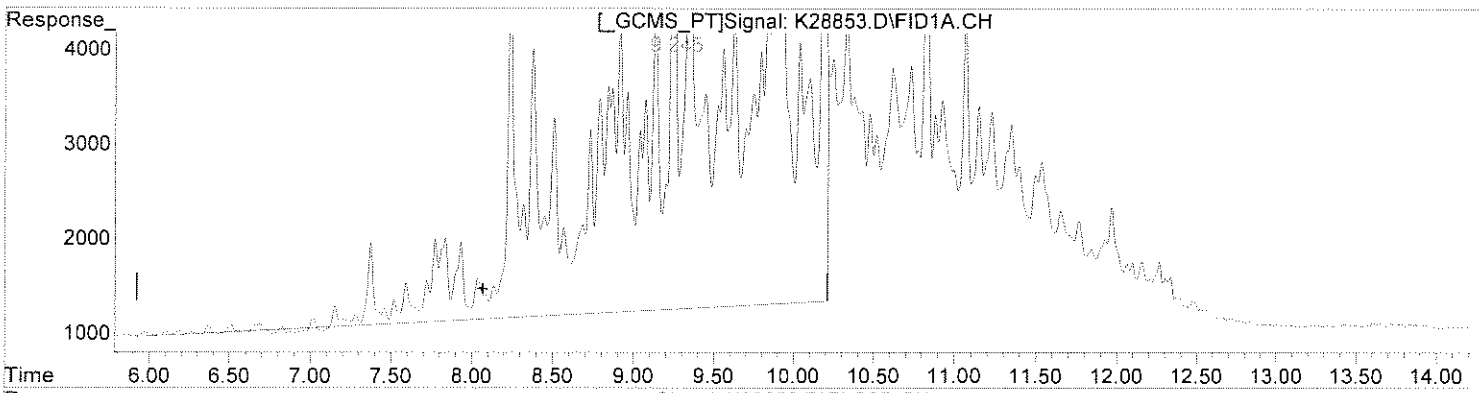
Quantitation Report (Qedit)

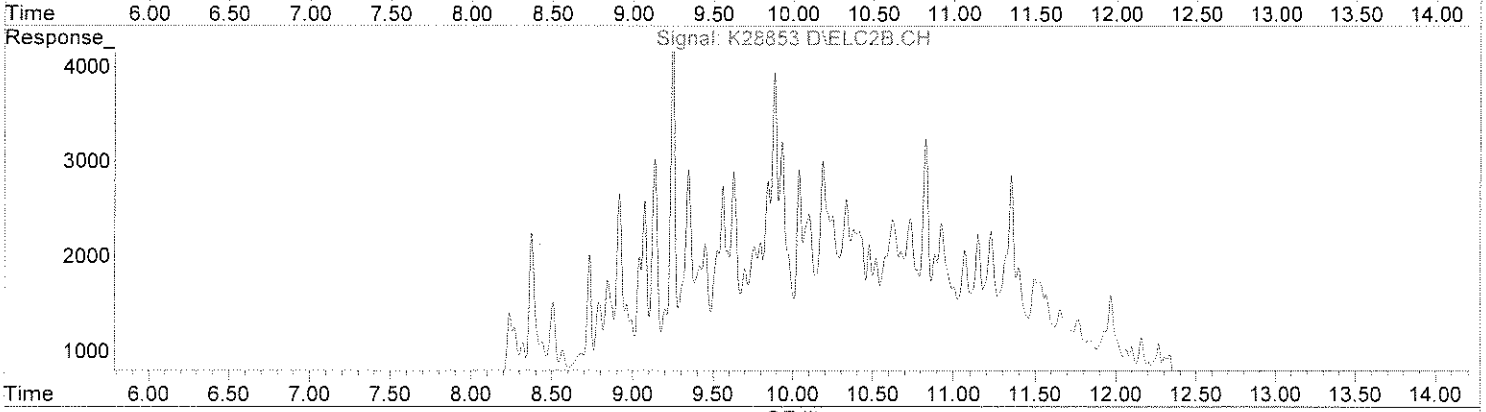
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28853.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 5:01 pm
Operator : JJL
Sample : 67722-4,50X
Misc : 2,9.59,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:10:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(14) C9-C12 ALIPHATICS (XH)
8.070min 371.967ug/L m
response 2651752

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

J 9/13/10

(+) = Expected Retention Time

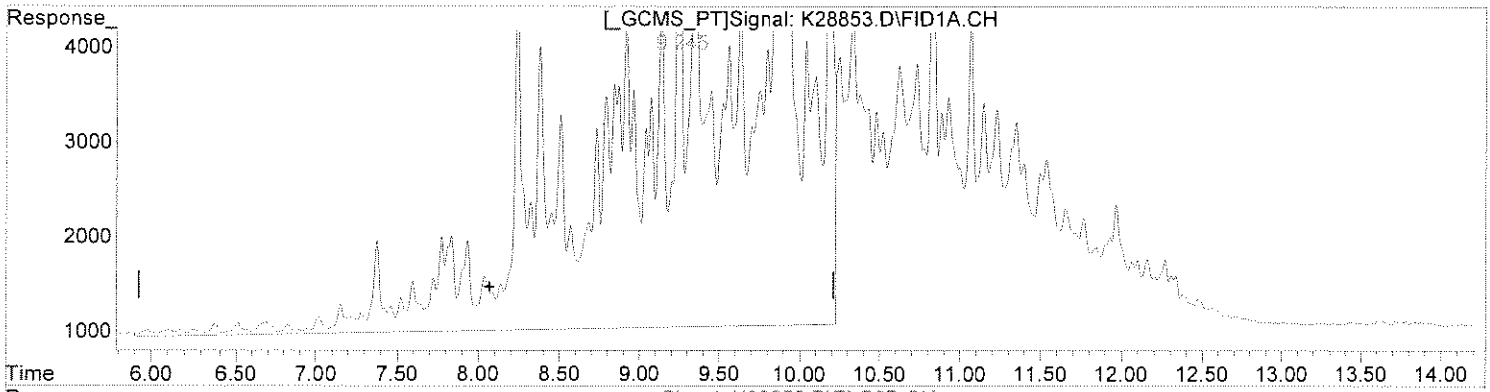
Quantitation Report (Qedit)

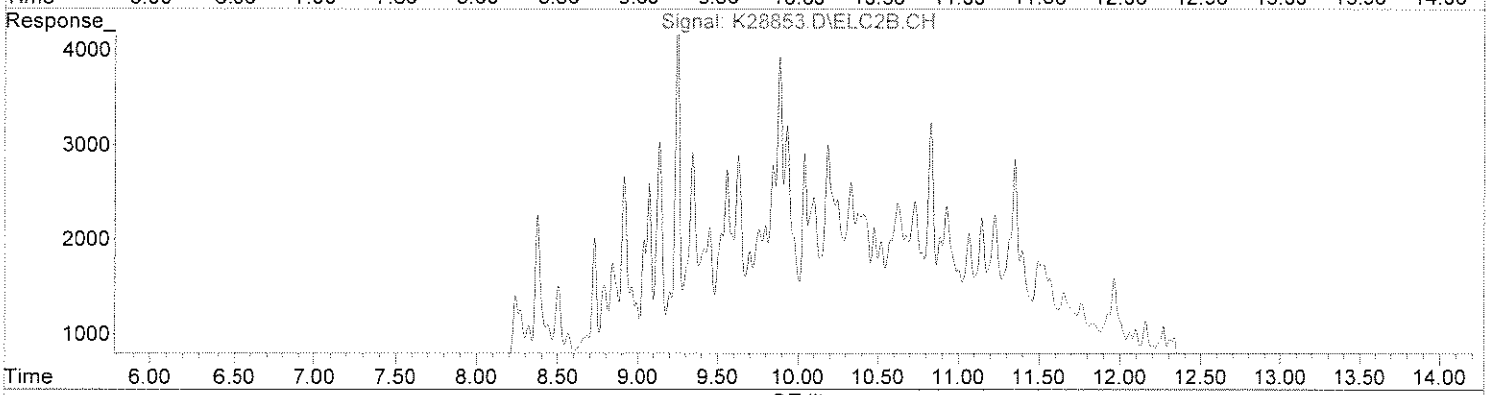
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28853.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 5:01 pm
Operator : JJL
Sample : 67722-4,50X
Misc : 2,9.59,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:10:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(14) C9-C12 ALIPHATICS (XH)
10.120min 424.240ug/L m
response 3024404

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

091010

(+) = Expected Retention Time

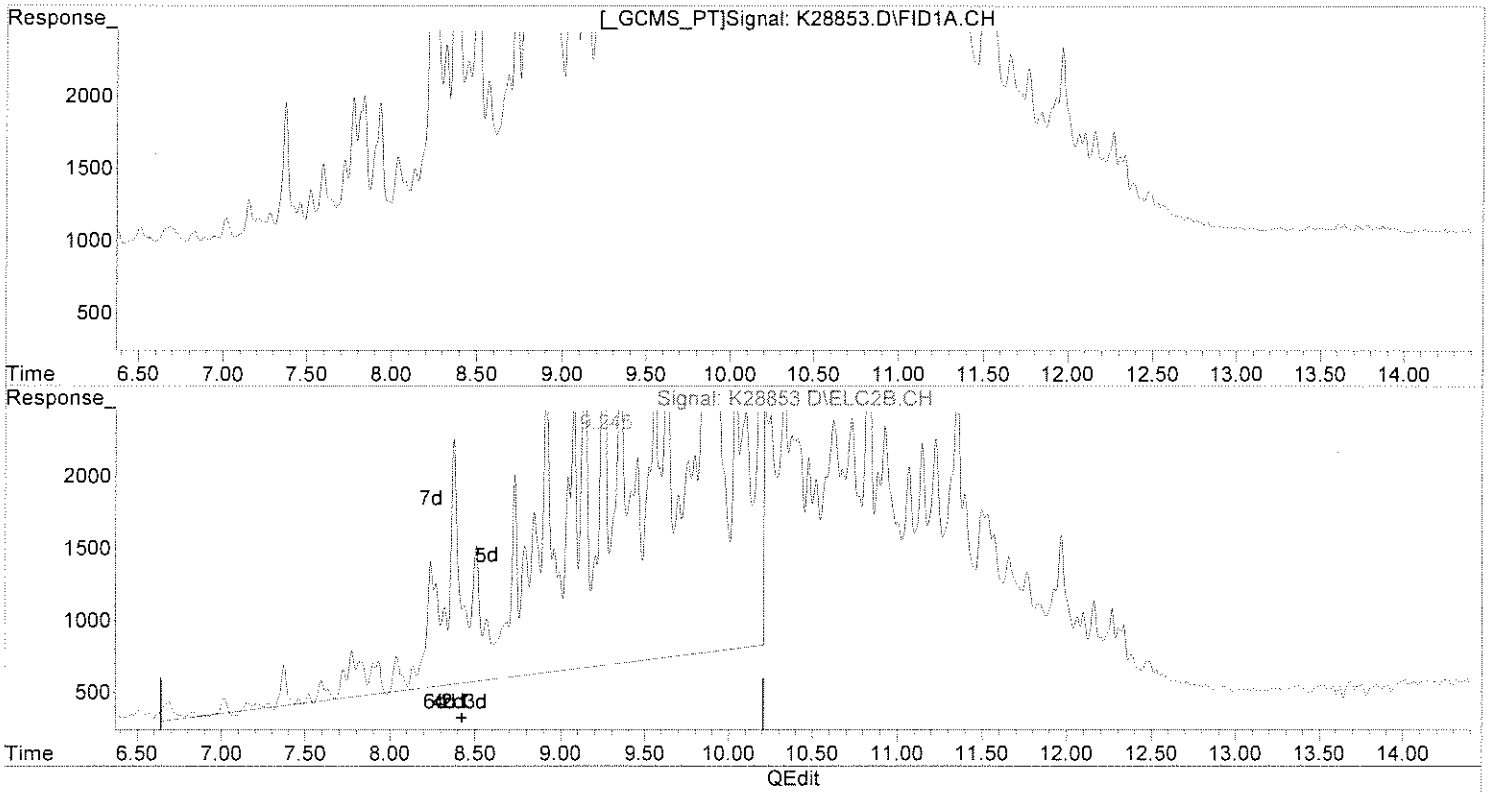
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28853.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 5:01 pm
Operator : JJL
Sample : 67722-4,50X
Misc : 2,9.59,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:10:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 884

(16) C9-C10 AROMATICS #2 (XH)
8.424min 120.339ug/L m
response 1419512

J 7/13/10

(+) = Expected Retention Time

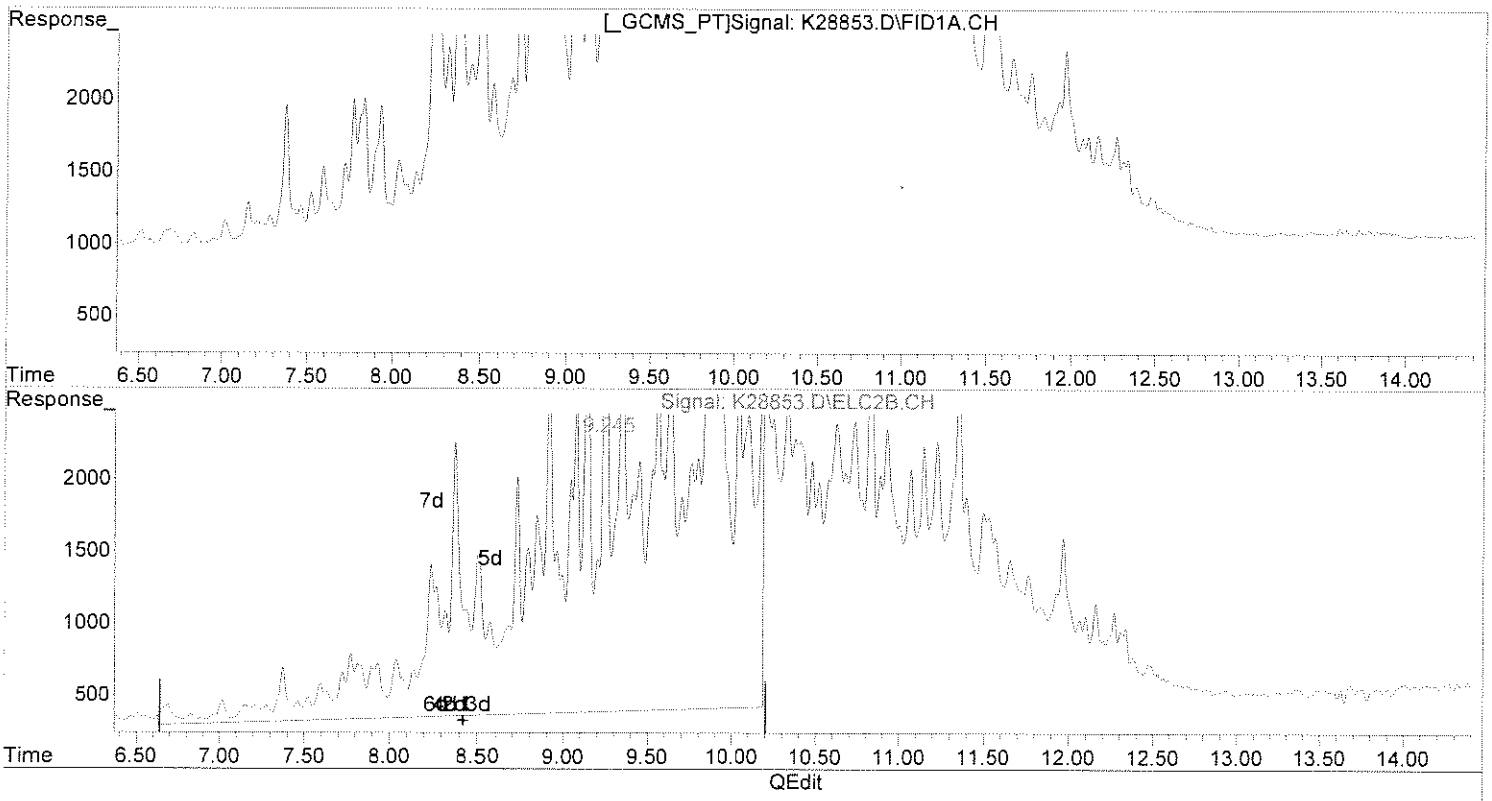
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28853.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 5:01 pm
Operator : JJL
Sample : 67722-4,50X
Misc : 2,9.59,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:10:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SJS 9/13/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 884

(16) C9-C10 AROMATICS #2 (XH)
8.424min 154.760ug/L m
response 1825546

D 91310

(+) = Expected Retention Time

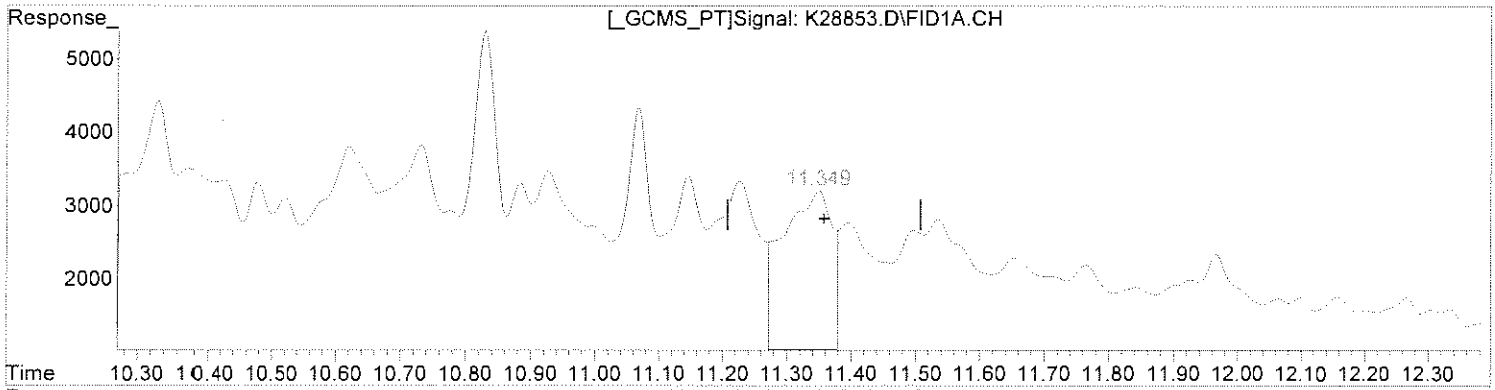
Quantitation Report (Qedit)

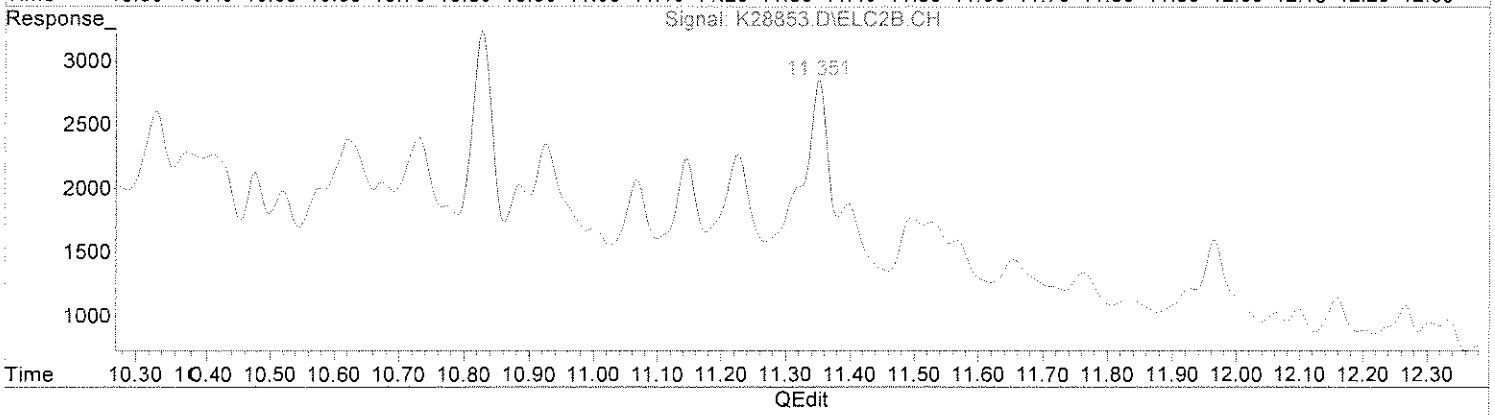
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28853.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 5:01 pm
Operator : JJL
Sample : 67722-4,50X
Misc : 2,9.59,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:10:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10 *E.A.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(18) 2,5-Dibromotoluene (S)
11.350 min 39.116ug/L
response 115054

(18) 2,5-Dibromotoluene #2 (S)
11.353 min 14.011ug/L
response 110585

D91310

(+) = Expected Retention Time

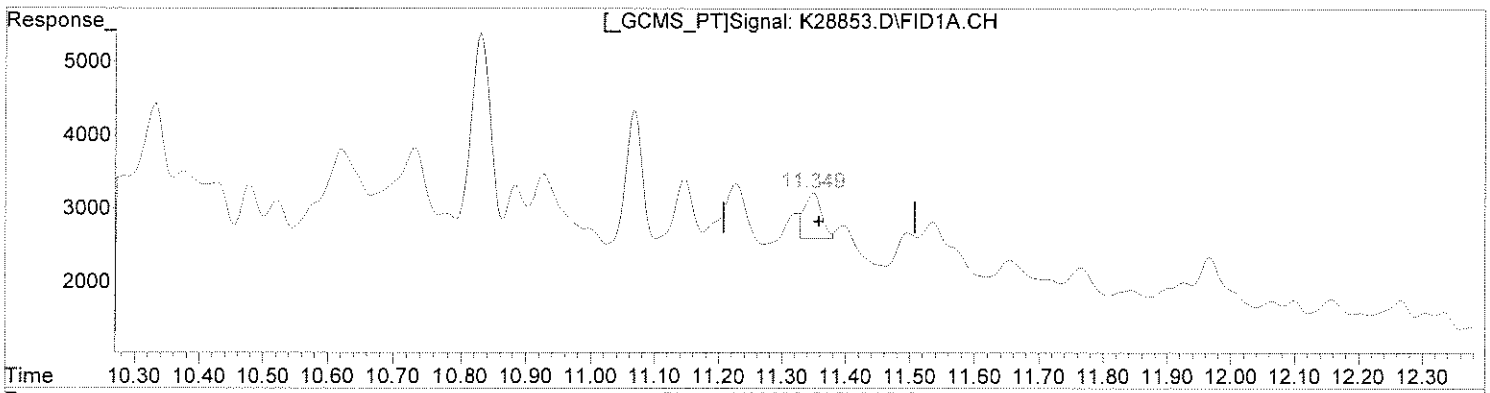
Quantitation Report (Qedit)

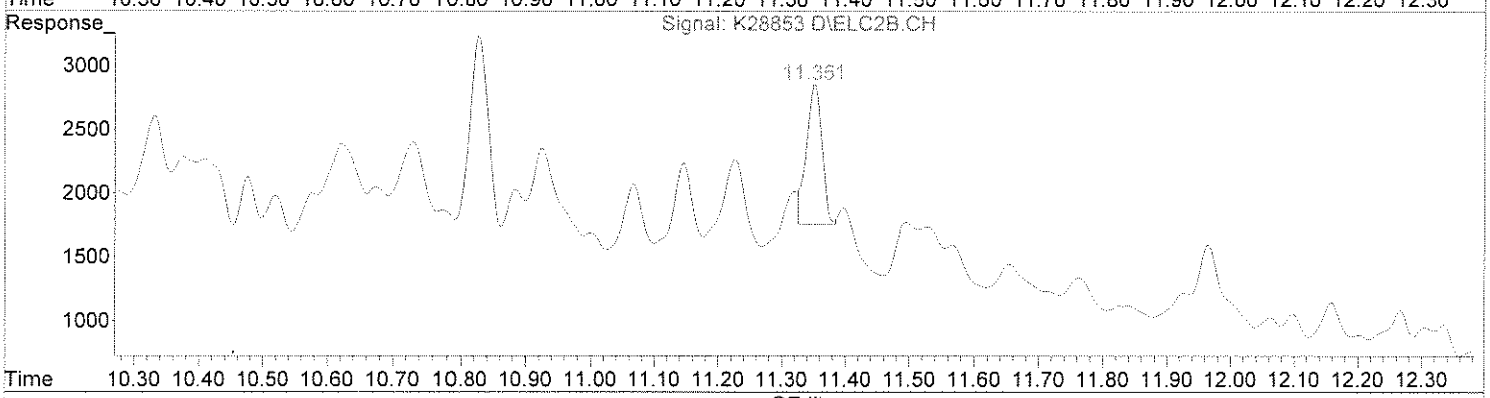
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28853.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 5:01 pm
Operator : JJL
Sample : 67722-4,50X
Misc : 2,9.59,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:10:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(18) 2,5-Dibromotoluene (S)
11.349min 3.991ug/L m
response 11738

(18) 2,5-Dibromotoluene #2 (S)
11.351min 2.381ug/L m
response 18794

27130

(+) = Expected Retention Time

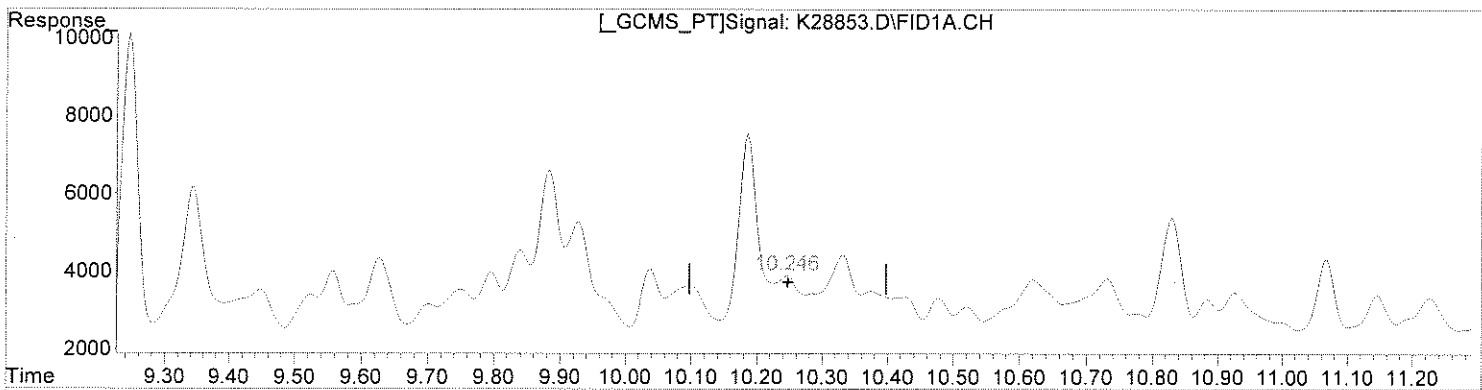
Quantitation Report (Qedit)

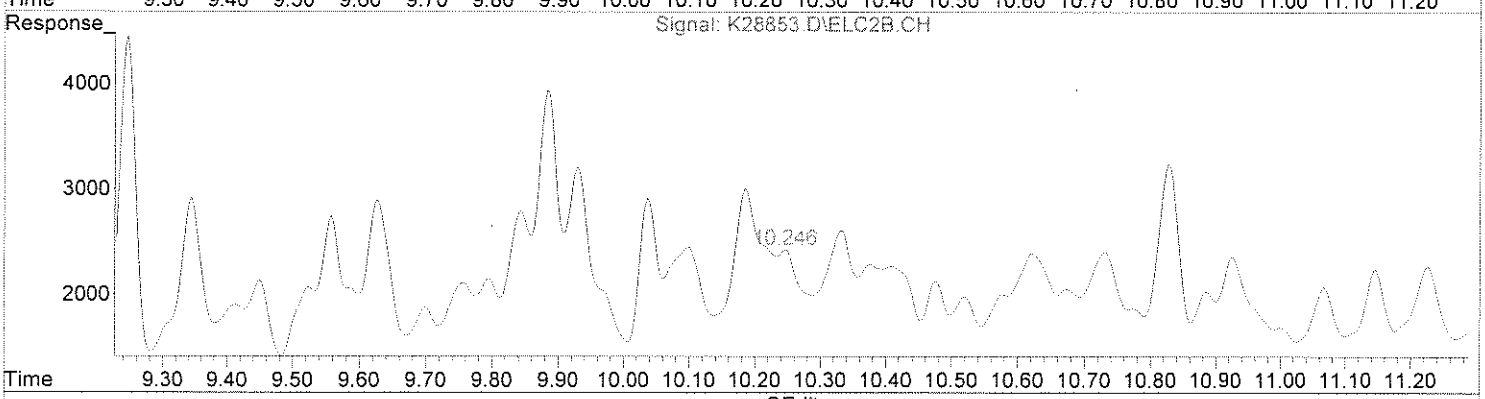
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28853.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 5:01 pm
Operator : JJL
Sample : 67722-4,50X
Misc : 2,9.59,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:11:27 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10 * m.p.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(17) Naphthalene (TM)
10.247min 0.000ug/L
response 77847

(17) Naphthalene #2 (TM)
10.247min 5.857ug/L
response 59697

59137

(+) = Expected Retention Time

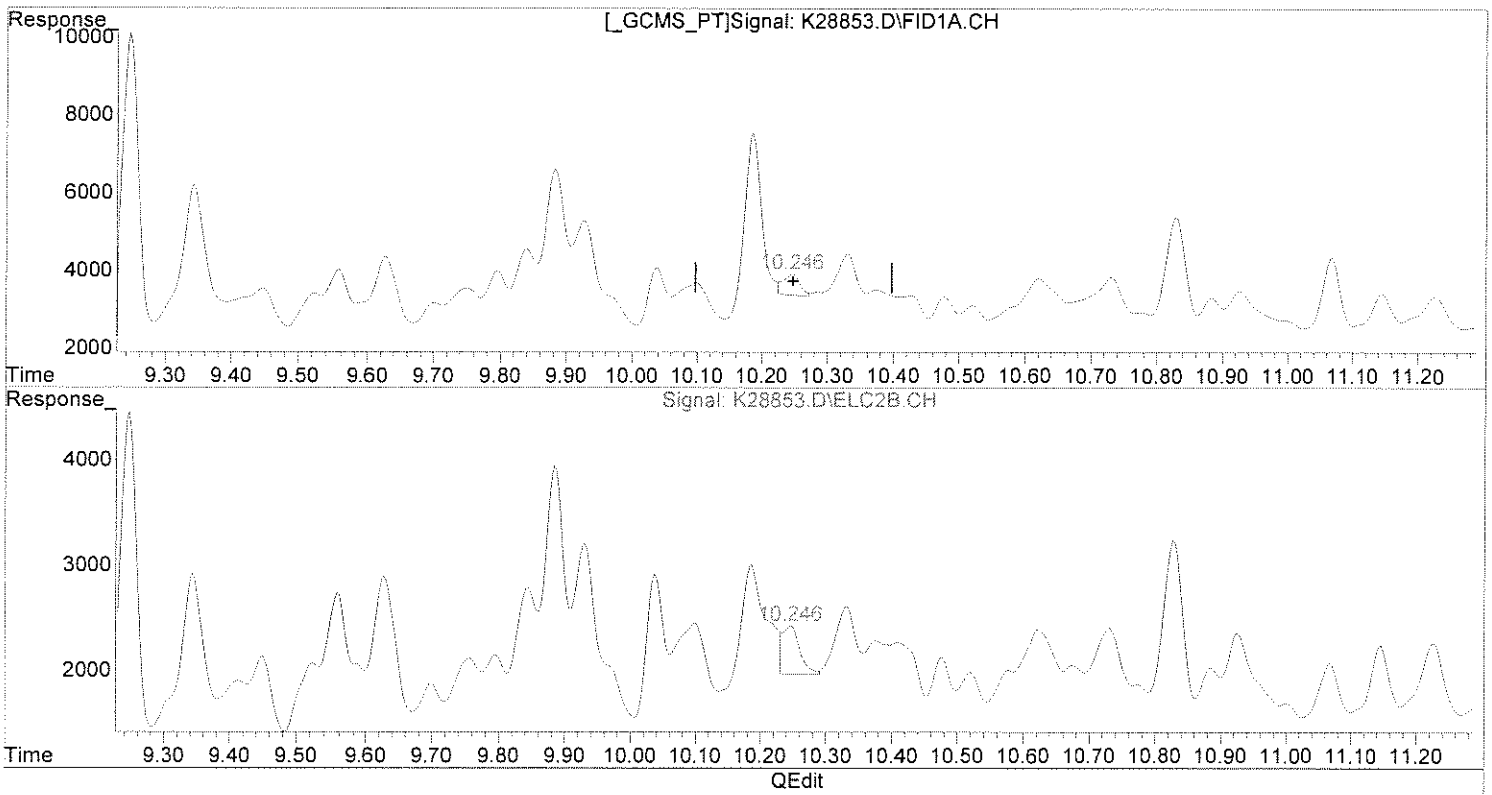
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28853.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 5:01 pm
Operator : JJL
Sample : 67722-4,50X
Misc : 2,9.59,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 09:11:27 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) Naphthalene (TM)
10.246min 0.000ug/L m
response 9613

(17) Naphthalene #2 (TM)
10.246min 0.843ug/L m
response 8588

D91310

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: Trip Blank

SAMPLE DATA

Lab Sample ID: 67722-5
Matrix: Solid
Percent Solid: 100
Dilution Factor: 50
Collection Date: 09/09/10
Lab Receipt Date: 09/09/10
Analysis Date: 09/13/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				78
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range AND conc. 0f C9-C10 Aromatic Hydrocarbons.
*Recovery is outside the laboratory acceptance criteria. RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VPH SOIL REPORT

Sample Name	**67722-5**
Data File Name	K28862.D
Date Acquired	9/13/2010 11:50
Misc Info	100,10.00,SOIL ✓
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00** ✓
% Solid (divided by 100)	**1.0000**
% Moisture (divided by 100)	0.0000
Vol. entrained water (mL)	0.0000
Total MeOH/water vol (mL)	10.0000
Dilution Factor	50.00
Moisture Corrected Dilution Factor	50.00

88 9/13/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2500	
Unadjusted C9-C12 Aliphatics	U		2500	
Benzene	U		100	
Ethylbenzene	U		100	
Methyl-t-butylether	U		100	
Naphthalene	U		100	ND
Toluene	U		100	
m,p-Xylenes	U		200	
o-Xylene	U		100	
C5-C8 Aliphatic Hydrocarbons	U		2500	
C9-C12 Aliphatic Hydrocarbons	U		2500	
C9-C10 Aromatic Hydrocarbons	U		500	
PID Surrogate % Recovery	88%		70-130%	PASS ✓
FID Surrogate % Recovery	78%		70-130%	PASS ✓

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	27.50 ✓	0.00	201399						0
C9-C12 ALIPHATICS	12.04 ✓	0.00	85867						0
2,5-Dibromotoluene	78.41		230636						
PID RESULTS									
Methyl-t-butylether #2	0.22	0.00	1039	2.176	2.183	0.0477	OK	0.00	0
Benzene #2	0.50	0.00	6504	3.516	3.512	0.0380	OK	0.00	0
Toluene #2	0.49	0.00	5805	4.882	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.55	0.00	6003	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.64	0.00	8078	6.186	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.64	0.00	7108	6.560	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.87	0.00	8902	10.246	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	8.96 ✓	0.00	105729						0
2,5-Dibromotoluene #2	88.07		695162						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

9/13/10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28862.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 11:50 am
Operator : JJL
Sample : 67722-5
Misc : 100,10.00,SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:13:33 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.353	230636	695162	78.412	88.074	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	78.41%	88.07%
	Target Compounds							
2) Z	2-Methylp...	2.002	2.040	4638	3786	0.567	NoCal	#
3) TM	Methyl-t-...	2.220	2.176	28	1039	NoCal	0.223	#
4) Z	2,2,4-Tri...	3.268	3.323	558	6019	0.072	NoCal	#
5) TM	Benzene	3.518	3.516	4556	6504	NoCal	0.500	#
6) TM	Toluene	4.881	4.882	3264	5805	NoCal	0.487	#
7) XH	C5-C8 ALI...	3.717	0.000	201399	0	27.496	N.D.	#
9) TM	Ethylbenzene	6.121	6.121	2306	6003	NoCal	0.549	#
10) TM	m,p-Xylene	6.186	6.186	4738	8078	NoCal	0.644	#
11) TM	o-Xylene	6.558	6.560	3957	7108	NoCal	0.635	#
12) Z	n-Decane	7.151	7.151	3843	2925	0.557	NoCal	#
13) Z	n-Butylcy...	7.819	7.819	1934	4317	0.263	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	85867	0	12.045	N.D.	#
15) ZM	1,2,4-Tri...	7.715	7.714	3976	8715	NoCal	0.739	#
16) XH	C9-C10 AR...	10.410	8.424	12	105729	NoCal	8.963	#
17) TM	Naphthalene	10.244	10.246	3715	8902	NoCal	0.873	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9/13/10

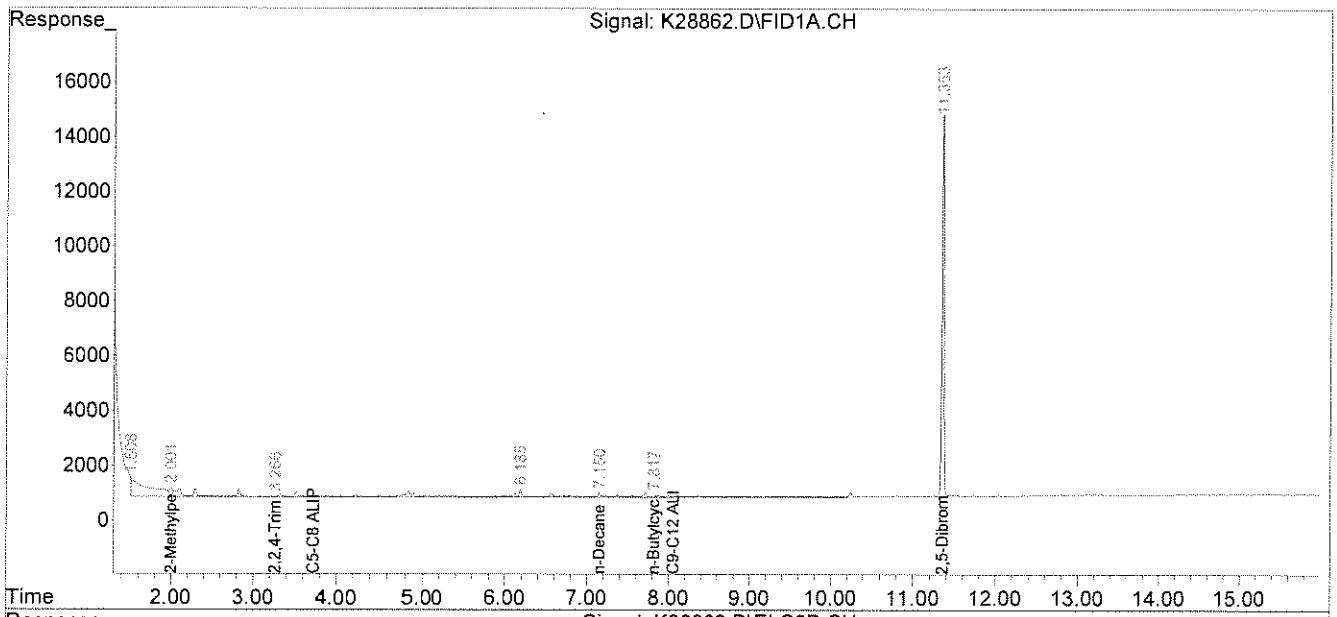
Quantitation Report (QT Reviewed)

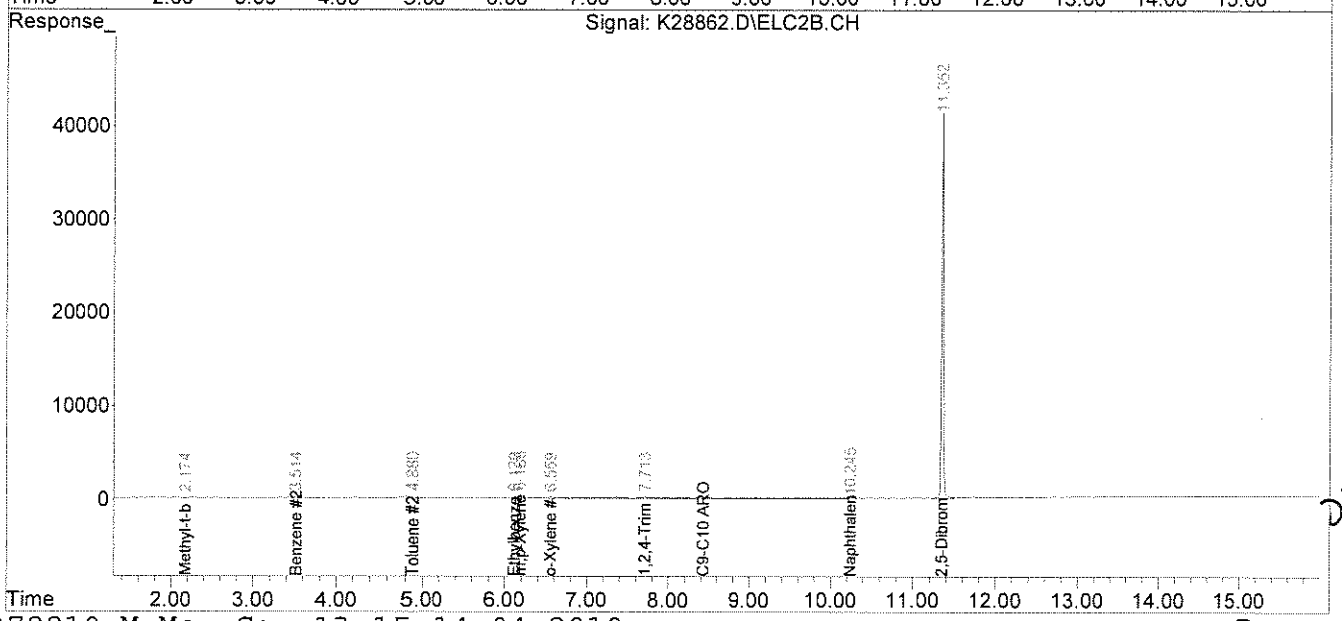
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28862.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 11:50 am
Operator : JJL
Sample : 67722-5
Misc : 100,10.00,SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:13:33 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





071310

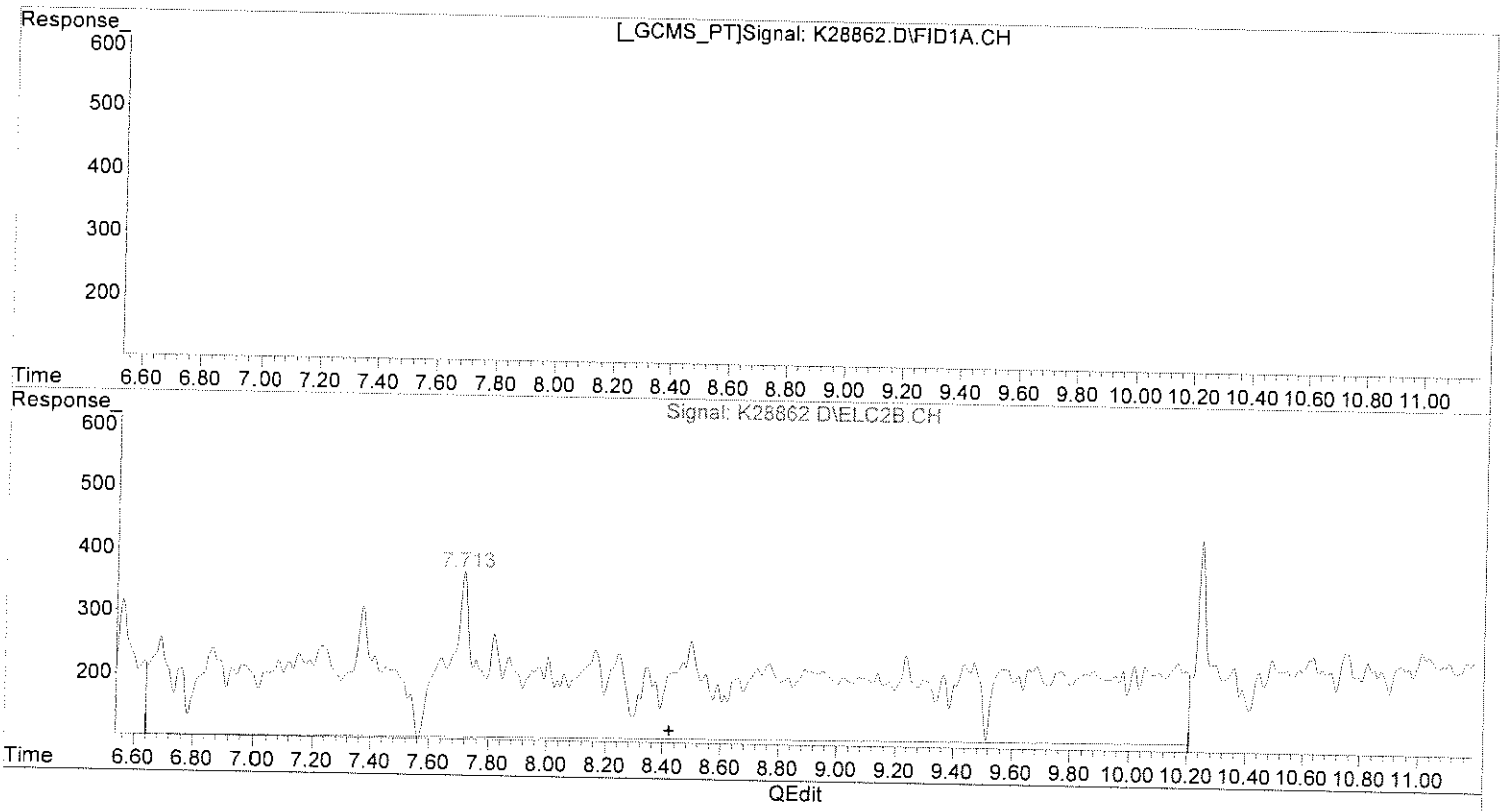
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28862.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 11:50 am
Operator : JJL
Sample : 67722-5
Misc : 100,10.00,SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:13:02 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10
Baseline

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 12

(16) C9-C10 AROMATICS #2 (XH)
8.424min 18.615ug/L m
response 219588

091310

(+) = Expected Retention Time
VPH072210.M Mon Sep 13 15:13:14 2010

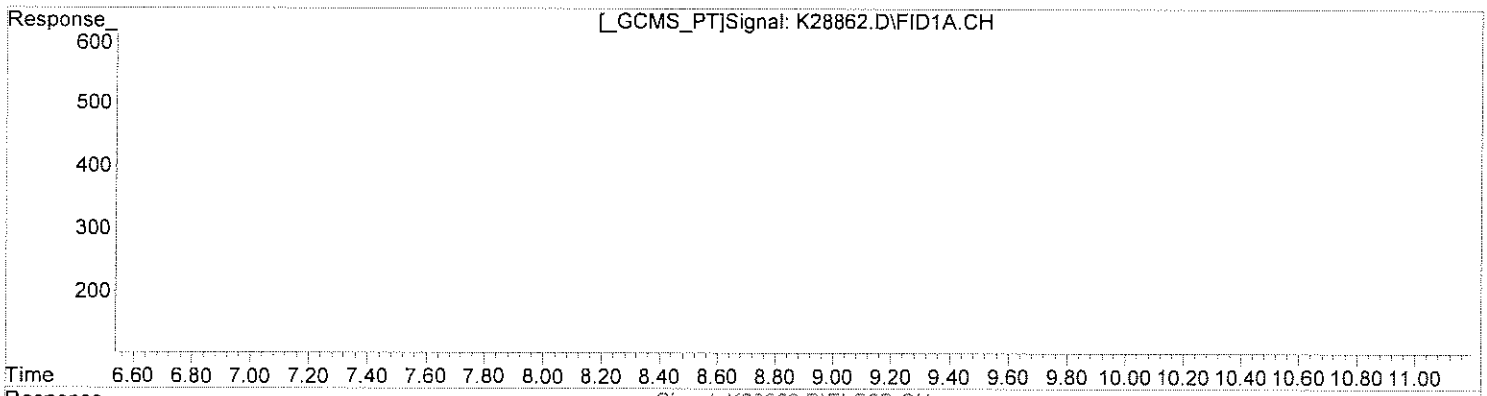
Quantitation Report (Qedit)

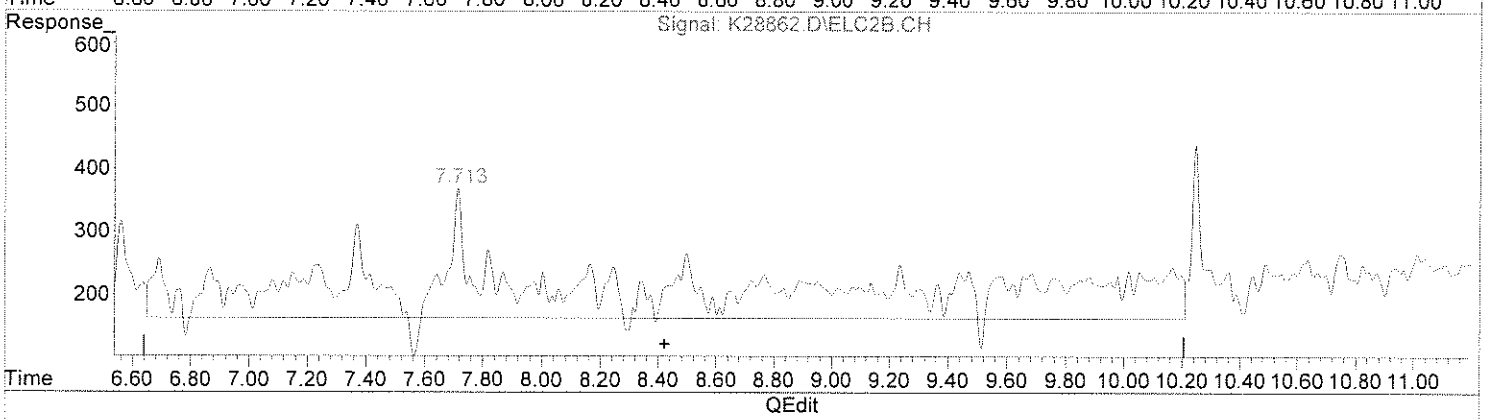
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28862.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 11:50 am
Operator : JJL
Sample : 67722-5
Misc : 100,10.00,SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:13:02 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 12

(16) C9-C10 AROMATICS #2 (XH)
8.424min 8.963ug/L m
response 105729

J 7/13/10

(+) = Expected Retention Time

VPH
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:VPHQC.doc

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67722

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV091010K	84		90	
LSV091010K2	79		86	
MBV091010K	74		77	
67722-2,10X	103		97	
67722-3,10X	373	*	142	*
67722-4,10X	281	*	122	
67722-2,20X,DL	D		D	
67722-3,20X,DL	D		D	
67722-4,50X,DL	D		D	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67722

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV091310K	87		84	
LSV091310K2	69	*	77	
MBV091310K	78		76	
67722-5	78		88	
67722-1,10X	112		126	
67722-3,50X,DL	D		D	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV091010K
Spike: LSV091010K
Spike duplicate: LSV091010K2

9/13/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4940	99		4823	96		2	
2-Methylpentane	5000	5000	70	130	25	0	4824	96		4717	94		2	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	4766	95		4828	97		1	
n-Decane	5000	5000	70	130	25	0	5110	102		4895	98		4	
n-Butylcyclohexane	5000	5000	70	130	25	0	4937	99		4700	94		5	
Methyl -t-butylether #2	5000	5000	70	130	25	0	4287	86		4124	82		4	
Benzene #2	5000	5000	70	130	25	0	4611	92		4432	89		4	
Toluene #2	5000	5000	70	130	25	0	4595	92		4427	89		4	
Ethylbenzene #2	5000	5000	70	130	25	0	4454	89		4297	86		4	
m,p-Xylene #2	10000	10000	70	130	25	0	9190	92		8844	88		4	
o-Xylene #2	5000	5000	70	130	25	0	4408	88		4215	84		4	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4484	90		4265	85		5	
Naphthalene #2	5000	5000	70	130	25	0	4223	84		4025	81		5	
C5-C8 Aliphatics	15000	15000	70	130	25	0	14530	97		14368	96		1	
C9-C12 Aliphatics	10000	10000	70	130	25	0	10047	100		9596	96		5	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4484	90		4265	85		5	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 9/13/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28843Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 11:03 am
Operator : JJL
Sample : LSV091010K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 11:25:56 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.356	11.356	247657	708995	84.199	89.827	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 84.20% 89.83%							
		Target Compounds							
1)	Z	Pentane	1.563	1.563	691361	13288	98.802	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	789696	34921	96.484	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	380955	399827	NoCal	85.735	#
4)	Z	2,2,4-Tri...	3.282	3.281	735557	159579	95.318	NoCal	#
5)	TM	Benzene	3.509	3.509	1009114	1200041	NoCal	92.224	#
6)	TM	Toluene	4.881	4.881	990237	1096058	NoCal	91.908	#
7)	XH	C5-C8 ALI...	3.717	0.000	4863872	0	664.042	N.D.	#
9)	TM	Ethylbenzene	6.122	6.122	979120	973338	NoCal	89.082	#
10)	TM	m,p-Xylene	6.189	6.189	1988051	2305983	NoCal	183.801	#
11)	TM	o-Xylene	6.559	6.559	996926	986252	NoCal	88.167	#
12)	Z	n-Decane	7.153	7.153	704854	111704	102.202	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	726890	426254	98.744	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7130574	0	1000.222	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.716	1006945	1057970	NoCal	89.689	#
16)	XH	C9-C10 AR...	10.410	8.424	38	1735009	NoCal	147.085	#
17)	TM	Naphthalene	10.247	10.246	616734	860785	NoCal	84.454	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J 91310

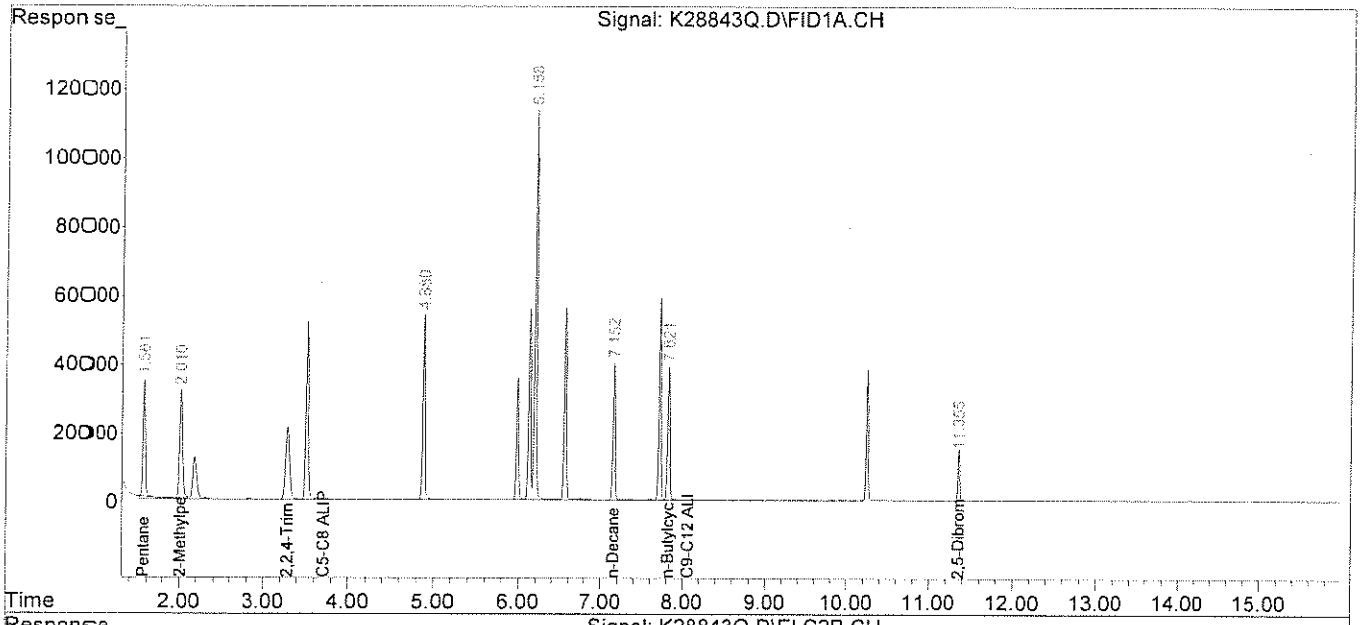
Quantitation Report (Not Reviewed)

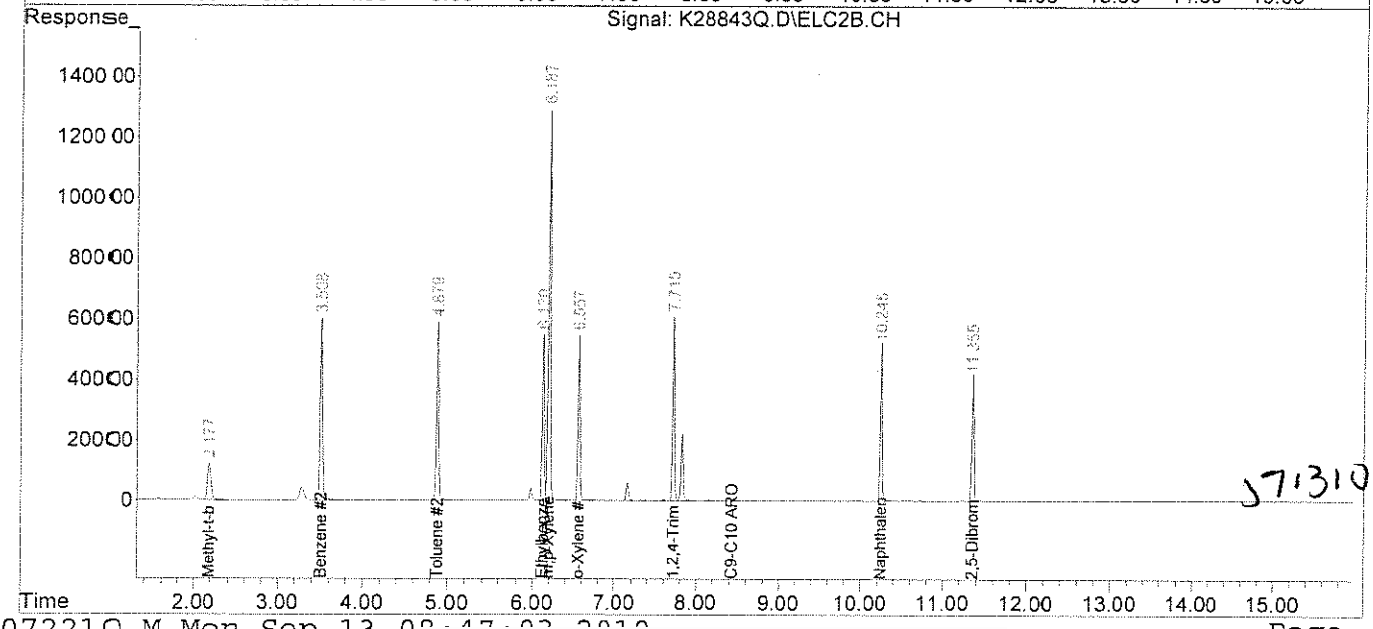
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28843Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 11:03 am
Operator : JJL
Sample : LSV091010K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 11:25:56 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gf 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J71310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28844Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 11:27 am
Operator : JJL
Sample : LSV091010K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 11:45:58 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.356	11.355	233615	679078	79.425	86.036	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 79.42% 86.04%							
		Target Compounds							
1)	Z	Pentane	1.562	1.562	674918	11635	96.452	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	772228	34160	94.349	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	364812	384686	NoCal	82.488	#
4)	Z	2,2,4-Tri...	3.282	3.281	745130	160322	96.558	NoCal	#
5)	TM	Benzene	3.510	3.509	973166	1153312	NoCal	88.633	#
6)	TM	Toluene	4.882	4.881	954795	1055916	NoCal	88.542	#
7)	XH	C5-C8 ALI...	3.717	0.000	4725758	0	645.186	N.D.	#
9)	TM	Ethylbenzene	6.122	6.122	947546	939087	NoCal	85.947	#
10)	TM	m,p-Xylene	6.189	6.189	1919594	2219089	NoCal	176.875	#
11)	TM	o-Xylene	6.559	6.559	959928	943080	NoCal	84.308	#
12)	Z	n-Decane	7.153	7.153	675198	105658	97.902	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	692028	406870	94.008	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	6849095	0	960.738	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.716	960973	1006313	NoCal	85.310	#
16)	XH	C9-C10 AR...	10.410	8.424	9	1639989	NoCal	139.029	#
17)	TM	Naphthalene	10.246	10.246	581739	820509	NoCal	80.502	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

091310

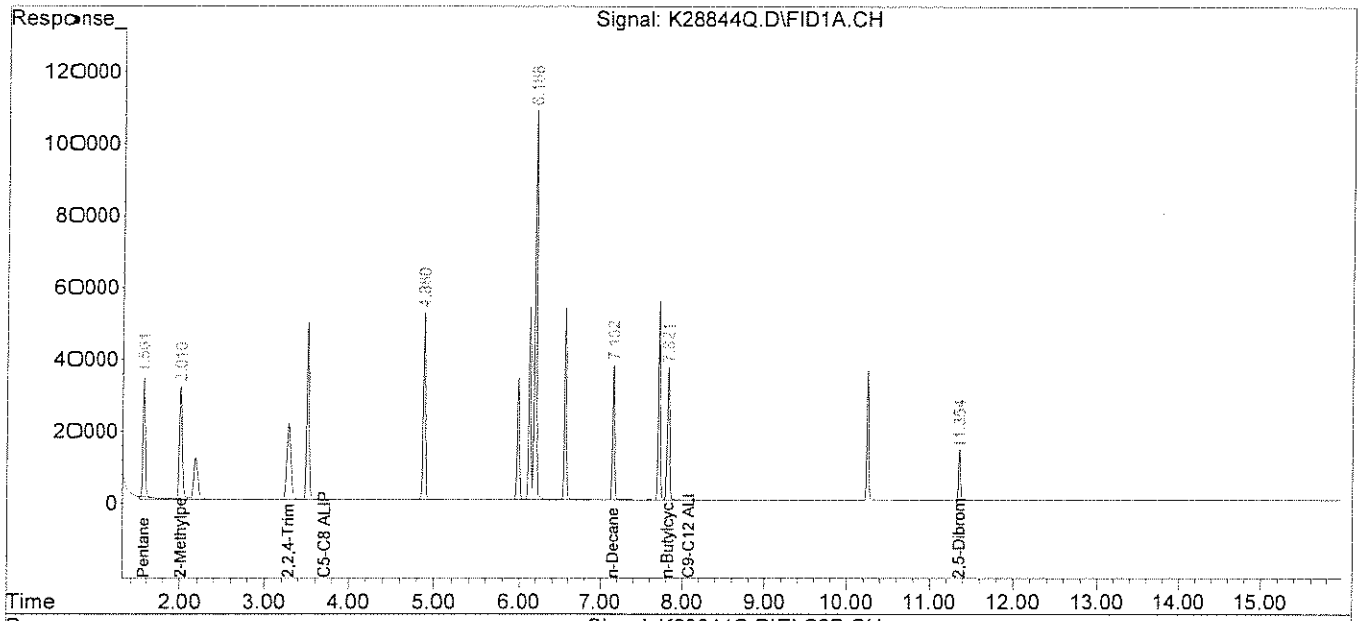
Quantitation Report (Not Reviewed)

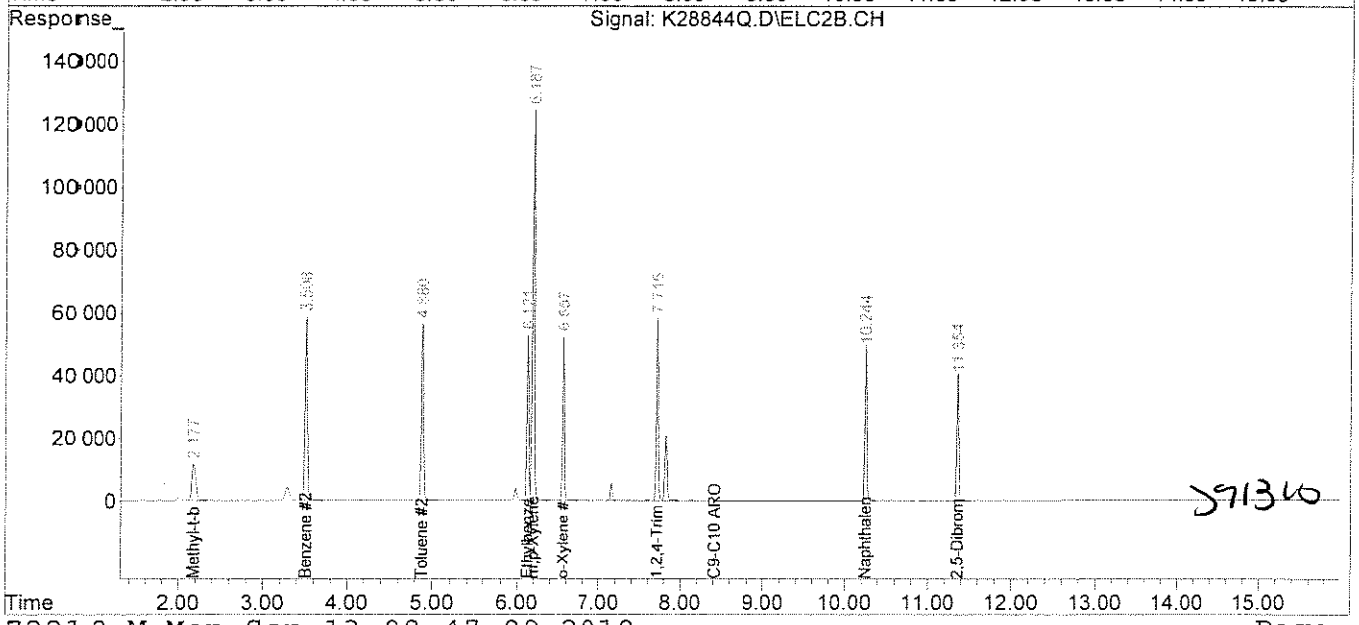
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28844Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 11:27 am
Operator : JJL
Sample : LSV091010K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 11:45:58 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





S71340

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV091310K
Spike: LSV091310K
Spike duplicate: LSV091310K2

86 9/13/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4567	91		4305	86		6	
2-Methylpentane	5000	5000	70	130	25	0	4473	89		4216	84		6	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	5048	101		4711	94		7	
n-Decane	5000	5000	70	130	25	0	4867	97		4399	88		10	
n-Butylcyclohexane	5000	5000	70	130	25	0	4701	94		4220	84		11	
Methyl-t-butylether #2	5000	5000	70	130	25	0	4049	81		3776	76		7	
Benzene #2	5000	5000	70	130	25	0	4433	89		4149	83		7	
Toluene #2	5000	5000	70	130	25	0	4419	88		4149	83		6	
Ethylbenzene #2	5000	5000	70	130	25	0	4285	86		4040	81		6	
m,p-Xylene #2	10000	10000	70	130	25	0	8861	89		8346	83		6	
o-Xylene #2	5000	5000	70	130	25	0	4230	85		3963	79		7	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4290	86		4000	80		7	
Naphthalene #2	5000	5000	70	130	25	0	3805	76		3357	67	*	12	
C5-C8 Aliphatics	15000	15000	70	130	25	0	14089	94		13233	88		6	
C9-C12 Aliphatics	10000	10000	70	130	25	0	9568	96		8619	86		10	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4290	86		4000	80		7	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: ↓ Naphthalene #2 in Spike Dup- Spike OK and RPD OK
C9-C10 Aromatics Range OK.

591310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28858Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 9:47 am
Operator : JJL
Sample : LSV091310K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 10:07:35 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJ 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.353	256711	666735	87.277	84.472	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	87.28%	84.47%
	Target Compounds							
1) Z	Pentane	1.560	1.560	639144	12927	91.340	NoCal	#
2) Z	2-Methylp...	2.011	2.011	732271	36007	89.467	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	342940	377626	NoCal	80.974	#
4) Z	2,2,4-Tri...	3.281	3.280	779163	174072	100.968	NoCal	#
5) TM	Benzene	3.509	3.508	925305	1153683	NoCal	88.661	#
6) TM	Toluene	4.881	4.880	916304	1053884	NoCal	88.372	#
7) XH	C5-C8 ALI...	3.717	0.000	4561218	0	622.722	N.D.	#
9) TM	Ethylbenzene	6.122	6.121	901867	936431	NoCal	85.704	#
10) TM	m,p-Xylene	6.188	6.188	1847402	2223453	NoCal	177.222	#
11) TM	o-Xylene	6.558	6.558	927948	946413	NoCal	84.606	#
12) Z	n-Decane	7.152	7.152	671353	105966	97.345	NoCal	#
13) Z	n-Butylcy...	7.822	7.821	692045	416082	94.011	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	6507432	0	912.812	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	936093	1012186	NoCal	85.808	#
16) XH	C9-C10 AR...	10.410	8.424	13	1657327	NoCal	140.499	#
17) TM	Naphthalene	10.245	10.244	581671	775567	NoCal	76.093	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

D91310

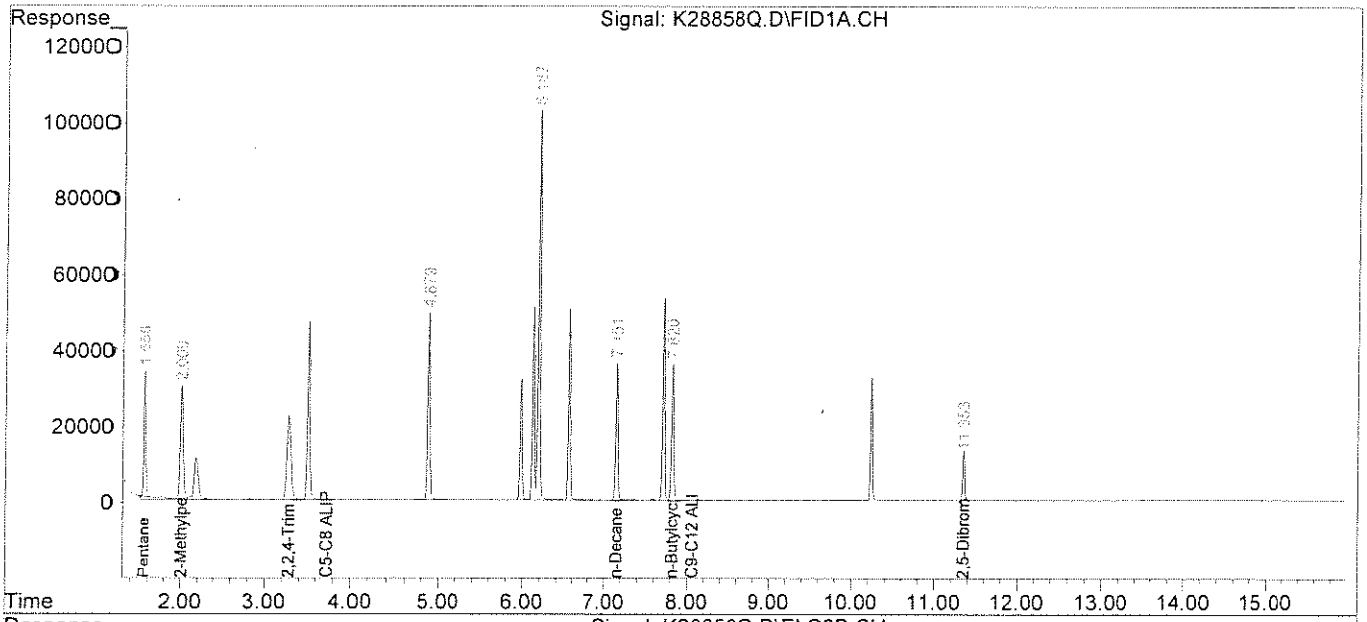
Quantitation Report (Not Reviewed)

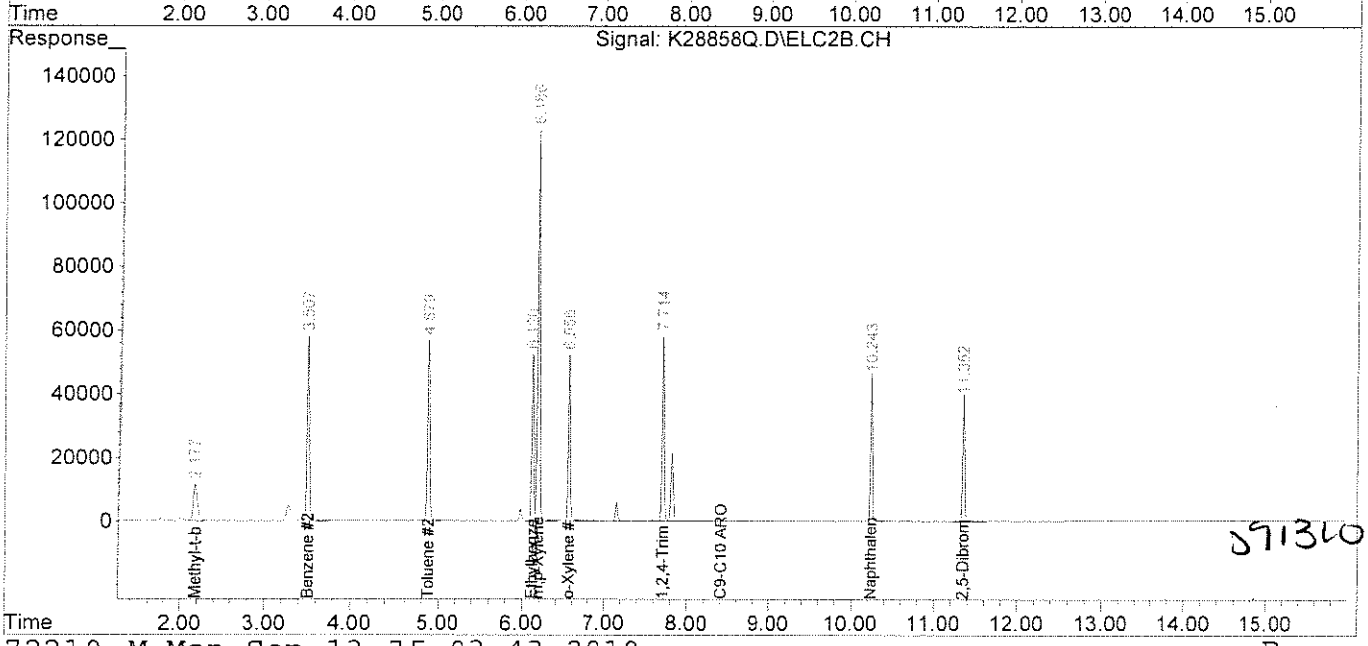
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28858Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 9:47 am
Operator : JJL
Sample : LSV091310K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 10:07:35 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





S91310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28859Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 10:11 am
Operator : JJL
Sample : LSV091310K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 10:28:02 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.353	204034	605937	69.368	76.770	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 69.37%# 76.77%							
		Target Compounds							
1)	Z	Pentane	1.560	1.560	602478	9814	86.100	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	690205	28384	84.328	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	319609	352162	NoCal	75.514	#
4)	Z	2,2,4-Tri...	3.281	3.281	727124	159004	94.225	NoCal	#
5)	TM	Benzene	3.509	3.509	870647	1079725	NoCal	82.978	#
6)	TM	Toluene	4.881	4.881	857151	989602	NoCal	82.981	#
7)	XH	C5-C8 ALI...	3.717	0.000	4296642	0	586.601	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	852033	882870	NoCal	80.802	#
10)	TM	m,p-Xylene	6.188	6.188	1729126	2094121	NoCal	166.914	#
11)	TM	o-Xylene	6.559	6.558	860467	886699	NoCal	79.268	#
12)	Z	n-Decane	7.152	7.152	606705	94950	87.971	NoCal	#
13)	Z	n-Butylcy...	7.822	7.821	621345	378932	84.406	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	6151752	0	862.920	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.715	864489	943692	NoCal	80.001	#
16)	XH	C9-C10 AR...	10.410	8.424	64	1491283	NoCal	126.423	#
17)	TM	Naphthalene	10.244	10.244	470786	684359	NoCal	67.144	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

571310

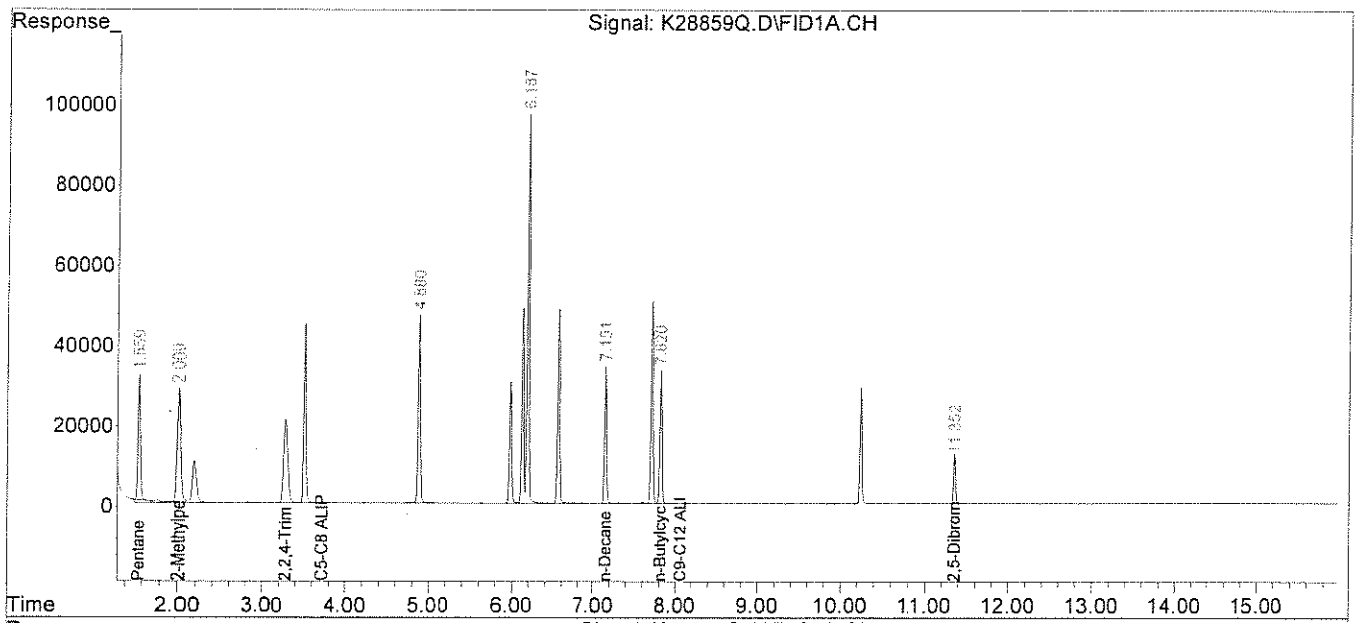
Quantitation Report (Not Reviewed)

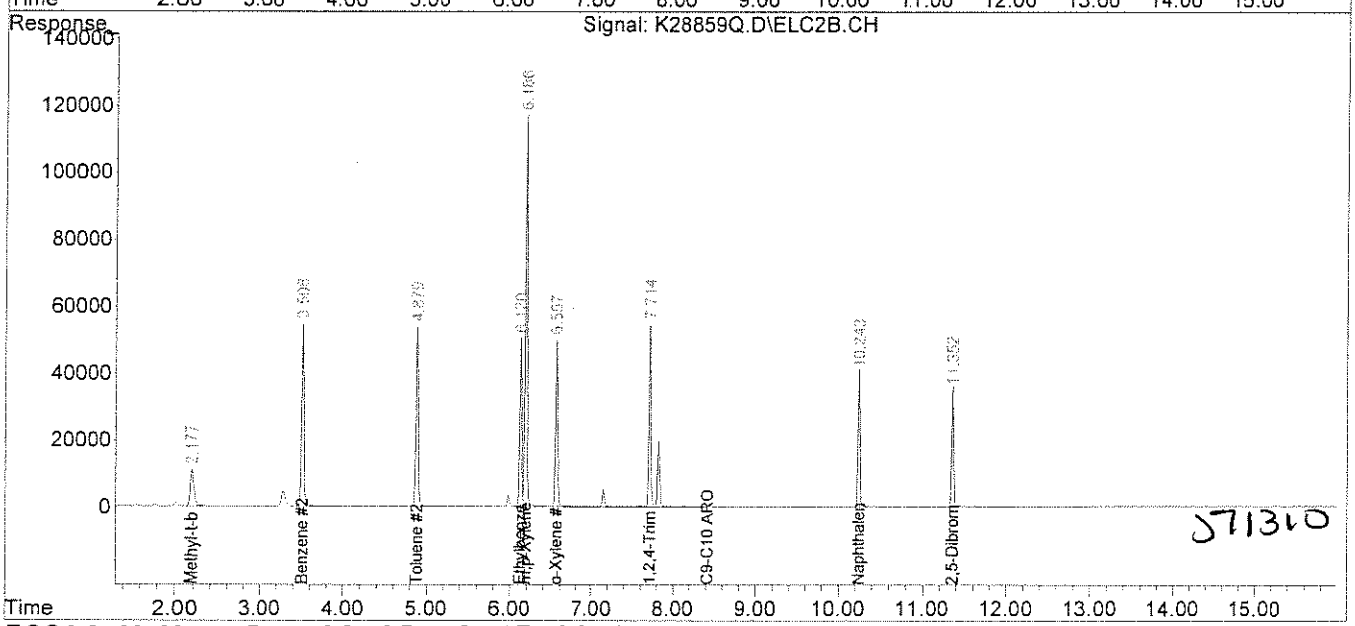
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28859Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 10:11 am
Operator : JJL
Sample : LSV091310K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 10:28:02 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





571310

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV091310K2
Spike: LSV091310K3
Spike duplicate: LSV091310K4

9/14/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4605	92		4780	96		4	
2-Methylpentane	5000	5000	70	130	25	0	4512	90		4672	93		3	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	4662	93		4859	97		4	
n-Decane	5000	5000	70	130	25	0	4502	90		4623	92		3	
n-Butylcyclohexane	5000	5000	70	130	25	0	4424	88		4541	91		3	
Methyl-t-butylether #2	5000	5000	70	130	25	0	4028	81		4086	82		1	
Benzene #2	5000	5000	70	130	25	0	4415	88		4464	89		1	
Toluene #2	5000	5000	70	130	25	0	4393	88		4458	89		1	
Ethylbenzene #2	5000	5000	70	130	25	0	4291	86		4358	87		2	
m,p-Xylene #2	10000	10000	70	130	25	0	8832	88		8969	90		2	
o-Xylene #2	5000	5000	70	130	25	0	4236	85		4259	85		1	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4258	85		4291	86		1	
Naphthalene #2	5000	5000	70	130	25	0	3860	77		3971	79		3	
C5-C8 Aliphatics	15000	15000	70	130	25	0	13779	92		14311	95		4	
C9-C12 Aliphatics	10000	10000	70	130	25	0	8926	89		9164	92		3	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4258	85		4291	86		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28875Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 6:00 pm
Operator : JJL
Sample : LSV091310K3
Misc : 100,10.00,SOIL
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 07:49:07 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	233937	677020	79.534	85.776	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	79.53%	85.78%
	Target Compounds							
1) Z	Pentane	1.562	1.562	644525	7946	92.109	NoCal	#
2) Z	2-Methylp...	2.011	2.011	738544	26783	90.234	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	354110	375734	NoCal	80.569	#
4) Z	2,2,4-Tri...	3.282	3.281	719529	148569	93.241	NoCal	#
5) TM	Benzene	3.509	3.509	950653	1148953	NoCal	88.298	#
6) TM	Toluene	4.881	4.881	933987	1047728	NoCal	87.856	#
7) XH	C5-C8 ALI...	3.717	0.000	4566974	0	623.508	N.D.	#
9) TM	Ethylbenzene	6.122	6.121	929856	937656	NoCal	85.816	#
10) TM	m,p-Xylene	6.188	6.188	1881827	2216238	NoCal	176.647	#
11) TM	o-Xylene	6.558	6.558	938128	947640	NoCal	84.715	#
12) Z	n-Decane	7.152	7.152	620942	90126	90.035	NoCal	#
13) Z	n-Butylcy...	7.822	7.821	651365	385600	88.485	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	6638232	0	931.160	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	946870	1004631	NoCal	85.167	#
16) XH	C9-C10 AR...	10.410	8.424	92	1572074	NoCal	133.272	#
17) TM	Naphthalene	10.245	10.244	552987	786944	NoCal	77.209	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

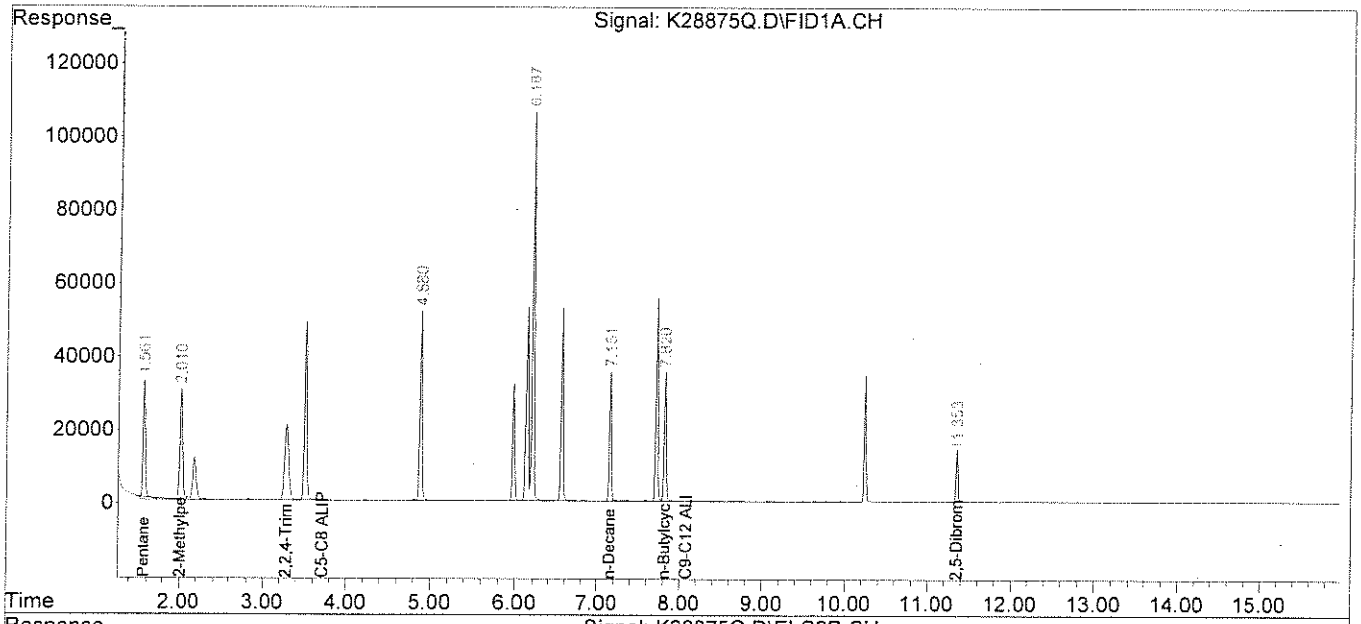
Quantitation Report (Not Reviewed)

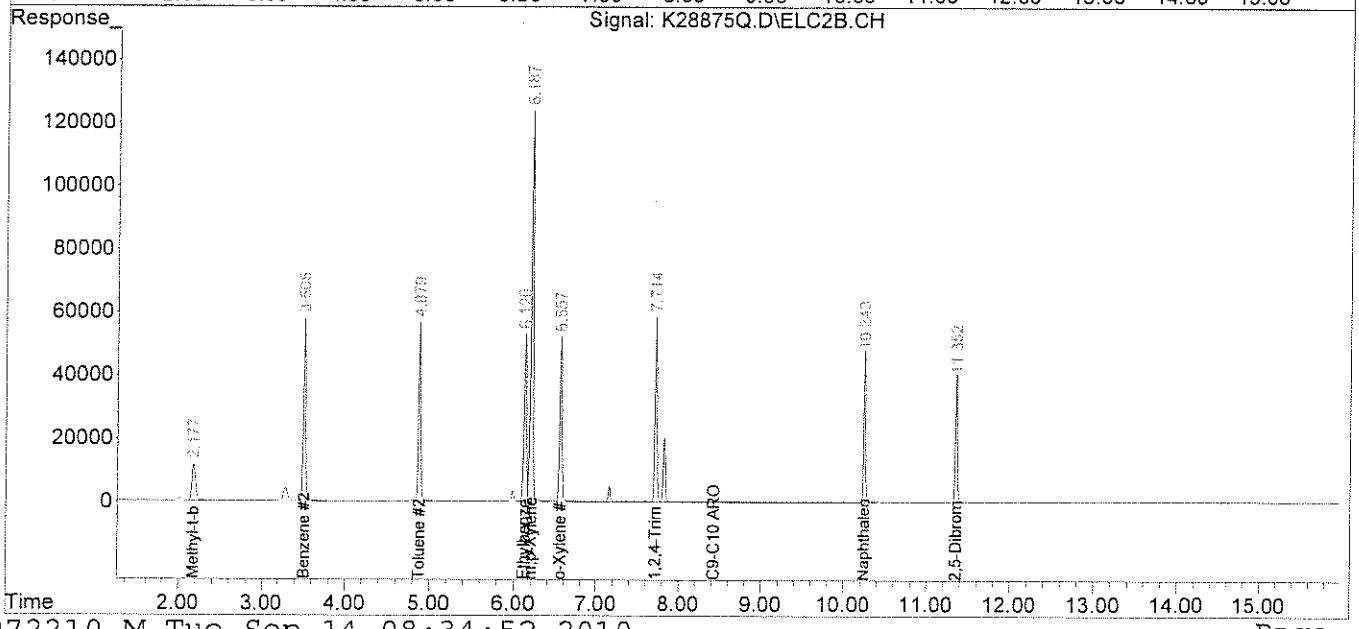
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28875Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 6:00 pm
Operator : JJL
Sample : LSV091310K3
Misc : 100,10.00,SOIL
ALS Vial : 20 Sample Multiplier: 1

gg 9/14/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 07:49:07 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28876Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 6:25 pm
Operator : JJL
Sample : LSV091310K4
Misc : 100,10.00,SOIL
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 07:49:11 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.354	237335	698502	80.689	88.497	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	80.69%	88.50%
		Target Compounds							
1)	Z	Pentane	1.562	1.562	669020	9252	95.610	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	764753	26631	93.436	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	359088	381092	NoCal	81.718	#
4)	Z	2,2,4-Tri...	3.282	3.281	749886	155538	97.174	NoCal	#
5)	TM	Benzene	3.510	3.509	961778	1161692	NoCal	89.277	#
6)	TM	Toluene	4.881	4.881	948036	1063234	NoCal	89.156	#
7)	XH	C5-C8 ALI...	3.717	0.000	4694052	0	640.857	N.D.	#
9)	TM	Ethylbenzene	6.122	6.122	943926	952313	NoCal	87.158	#
10)	TM	m,p-Xylene	6.189	6.188	1910076	2250404	NoCal	179.371	#
11)	TM	o-Xylene	6.559	6.558	946658	952887	NoCal	85.185	#
12)	Z	n-Decane	7.152	7.152	637694	92911	92.464	NoCal	#
13)	Z	n-Butylcy...	7.822	7.821	668538	395278	90.817	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	6735301	0	944.776	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.715	953170	1012380	NoCal	85.824	#
16)	XH	C9-C10 AR...	10.410	8.424	100	1585428	NoCal	134.404	#
17)	TM	Naphthalene	10.245	10.244	570061	809578	NoCal	79.430	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

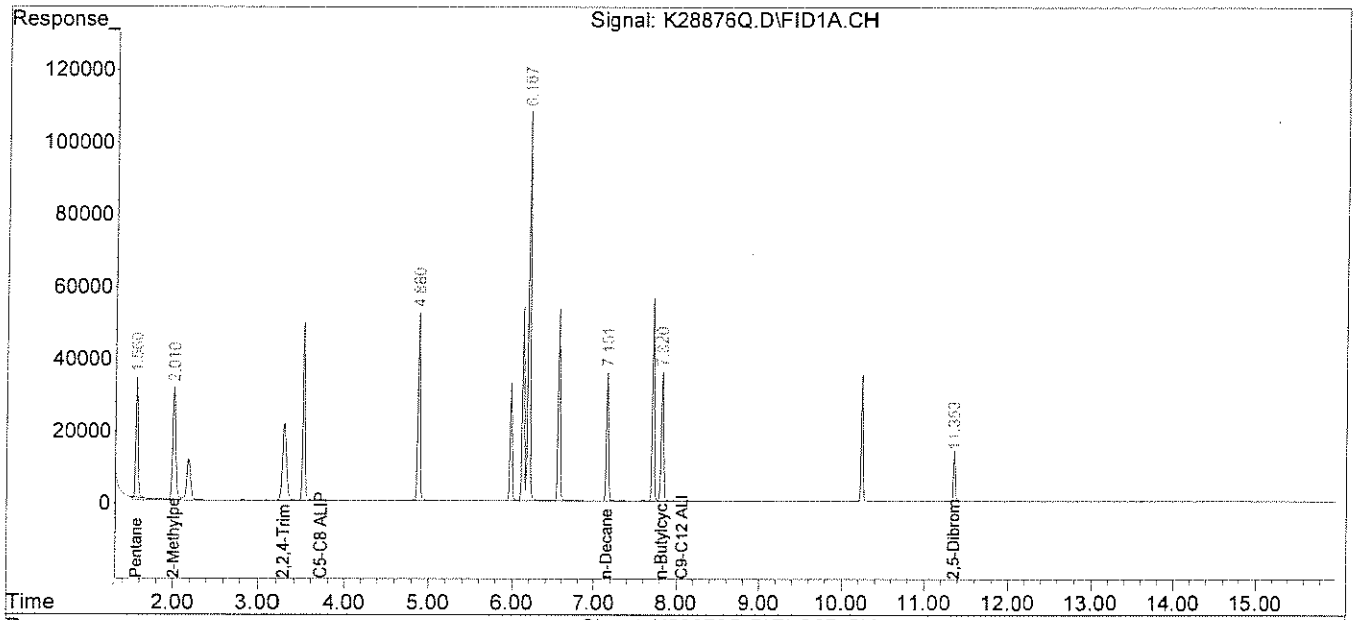
Quantitation Report (Not Reviewed)

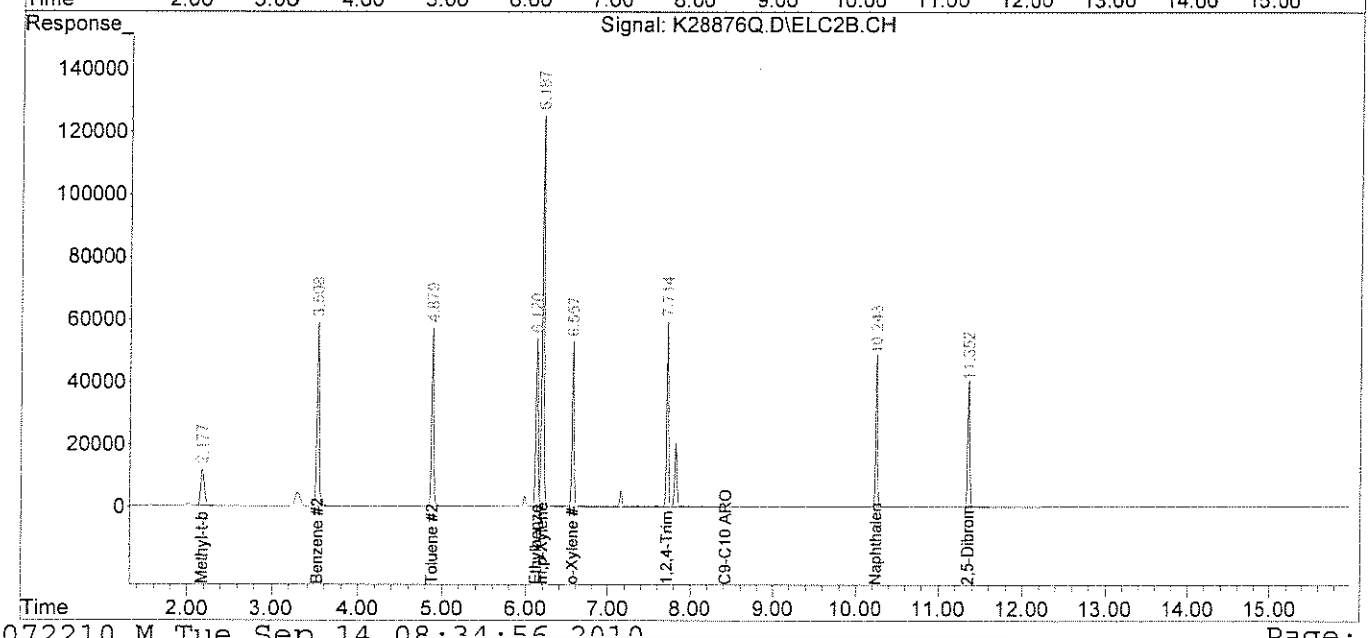
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28876Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 6:25 pm
Operator : JJL
Sample : LSV091310K4
Misc : 100,10.00,SOIL
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 07:49:11 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

072210-K

VPH Surrogate: -

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	~~07~~ VPH072210.M	BLK	5ml	–	–		K27978	JJL	N/A
2		VPH 100		200ml	V8896	✓, changed trap + baked	79SC		
3		BLK		–	–		80		
4		VPH 100		200ml	V8896	✓	81SC		
5		LSV072210K	100ml/5ml	5ml	V8899	↑ Pentane, changed sparge tube	82Q		
6		BLK	5ml	–	–		83		
7		LSV072210K,RR	100ml/5ml	5ml	V8899	↑ Pentane, Recal.	84Q		
8		BLK	5ml	–	–	Co concern	85		
9		VPH 1		2ml	V8910	✓	86SI		
10		VPH 2		4ml		✓	87SI		
11		VPH 5		10ml		✓	88SI		
12		VPH 20		40ml		✓	89SI		
13		VPH 50		100ml		✓	90SI		
14		VPH 100		200ml		✓	91SI		
15		VPH 200		400ml		✓	92SI		
16		BLK		–	–	Co concern	93		
17		VPH 500		1ml	V8910	✓	94SI		
18		BLK		–	–	Co concern	95		
19		LV072210K, ICV		100ml	V8998	✓	96Q		
20		VPH 100		200ml	V8910	✓ Test theory on mstr.	97		

gg 7/23/10

Analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

091010 - K

VPH Surrogate: (1) V8999 x.3/1/11

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	VPH072210.m	BLK	5mL	-	-		K28841	JJL	n/a
2		VPH100		200ul	V9000	✓	42SC		
3		LSV091010K	100ul/5mL	5ul	V8997	✓	43Q		
4		LSV091010K2				✓	44Q		
5		BLK	5mL	-	-		45		
6		MBV091010K	100ul/5mL	10ul	V8999	✓	46B		
7		67722-1, 10X	10ul/5mL		(1)	✓ RR 10X, surr fails	8:22 47		
8		-2, 10X				RR 20X	11:21 48		
9		-3, 10X				RR 20X	10:12 49		
10		-4, 10X				RR ~~20X~~ 50X	9:59 50		
11		67722-2, 20X	5ul/5mL			✓	11:21 51		
12		-3, 20X				RR 50X	10:12 52		
13		-4, 50X	2ul/5mL			✓	9:59 53		
14		VPH100	5mL	200ul	V9000	✓	54SC		
15		VPH100				✓	55SC		

gg 9/13/10

Method Path : C:\msdchem\1\METHODS\
Method File : VPH072210.M
Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
Last Update : Fri Jul 23 15:04:23 2010
Response Via : Initial Calibration

Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

7/26/10

		Compound	2	5	20	50	0.5	100	Avg		%RSD
1)	ZM	Pentane	6.623	6.311	7.147	7.202		7.570	6.997	E3	6.67
2)	ZM	2-Methylpentane	8.536	7.466	8.207	8.247		8.690	8.185	E3	5.68
3)	T	Methyl-t-buty...							0.000		-1.00
4)	ZM	2,2,4-Trimeth...	8.216	7.647	8.896	8.375		7.993	7.717	E3	12.43
5)	T	Benzene							0.000		-1.00
6)	T	Toluene							0.000		-1.00
7)	XH	C5-C8 ALIPHATICS	7.792	7.141	8.083	7.941		8.084	7.325	E3	12.19
8)		n-Nonane							0.000		-1.00
9)	T	Ethylbenzene							0.000		-1.00
10)	T	m,p-Xylene							0.000		-1.00
11)	T	o-Xylene							0.000		-1.00
12)	ZM	n-Decane	6.039	4.950	5.191	5.579		7.997	6.897	E3	23.76
13)	ZM	n-Butylcycloh...	6.357	6.435	6.593	6.777		8.029	7.361	E3	16.80
14)	XH	C9-C12 ALIPHA...	6.198	5.693	5.892	6.178		8.013	7.129	E3	19.33
15)	Z	1,2,4-Trimeth...							0.000		-1.00
16)	XH	C9-C10 AROMATICS							0.000		-1.00
17)	T	Naphthalene							0.000		-1.00
18)	S	2,5-Dibromoto...	3.791	2.742	2.584	2.712		2.859	2.941	E3	13.62

Signal #2 Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

7/26/10

		Compound	2	5	20	50	0.5	100	Avg		%RSD
1)	Z	Pentane							0.000		-1.00
2)	Z	2-Methylpentane							0.000		-1.00
3)	TM	Methyl-t-buty...	5.373	4.158	4.484	4.526		4.479	4.664	E3	12.22
4)	Z	2,2,4-Trimeth...							0.000		-1.00
5)	TM	Benzene	1.280	1.265	1.309	1.312		1.321	1.301	E4	1.56
6)	TM	Toluene	1.248	1.135	1.190	1.197		1.223	1.193	E4	3.83
7)	XH	C5-C8 ALIPHATICS							0.000		-1.00
8)		n-Nonane							0.000		-1.00
9)	TM	Ethylbenzene	1.177	0.993	1.048	1.061		1.087	1.093	E4	6.11
10)	TM	m,p-Xylene	1.224	1.143	1.234	1.248		1.283	1.255	E4	5.18
11)	TM	o-Xylene	1.143	0.990	1.048	1.062		1.083	1.119	E4	12.52
12)	Z	n-Decane							0.000		-1.00
13)	Z	n-Butylcycloh...							0.000		-1.00
14)	XH	C9-C12 ALIPHA...							0.000		-1.00
15)	ZM	1,2,4-Trimeth...	1.101	0.986	1.065	1.097		1.136	1.180	E4	20.03
16)	XH	C9-C10 AROMATICS	1.101	0.986	1.065	1.097		1.136	1.180	E4	20.03
17)	TM	Naphthalene	1.007	0.881	0.939	0.971		0.997	1.019	E4	14.63
18)	S	2,5-Dibromoto...	8.562	6.808	7.149	7.585		8.153	7.893	E3	9.31

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27986SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:32 pm
Operator : JJL
Sample : VPH 1 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

JMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
System Monitoring Compounds									
18)	S	2,5-Dibro...	11.356	11.355	4554	12231	1.904	1.793	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	1.90%#	1.79%#
Target Compounds									
1)	Z	Pentane	1.559	1.562	4137	657	0.860	NoCal	#
2)	Z	2-Methylp...	2.008	2.005	6649	1753	0.960	NoCal	#
3)	TM	Methyl-t-...	2.181	2.179	5383	5724	NoCal	1.331	#
4)	Z	2,2,4-Tri...	3.278	3.290	6186	1603	0.933	NoCal	#
5)	TM	Benzene	3.509	3.509	10306	12912	NoCal	0.976	#
6)	TM	Toluene	4.881	4.881	11637	11146	NoCal	0.911	#
7)	XH	C5-C8 ALI...	3.717	0.000	105864	0	17.864	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	10665	11978	NoCal	1.131	#
10)	TM	m,p-Xylene	6.188	6.187	19542	27513	NoCal	2.221	#
11)	TM	o-Xylene	6.559	6.558	11046	14480	NoCal	1.353	#
12)	Z	n-Decane	7.153	7.154	7705	7492	1.316	NoCal	#
13)	Z	n-Butylcy...	7.823	7.821	6464	9529	1.010	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	146965	0	23.983	N.D.	#
15)	ZM	1,2,4-Tri...	7.715	7.715	12192	17478	NoCal	1.643	#
16)	XH	C9-C10 AR...	10.410	8.424	7	261207	NoCal	24.557	#
17)	TM	Naphthalene	10.246	10.246	7968	13733	NoCal	1.637	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

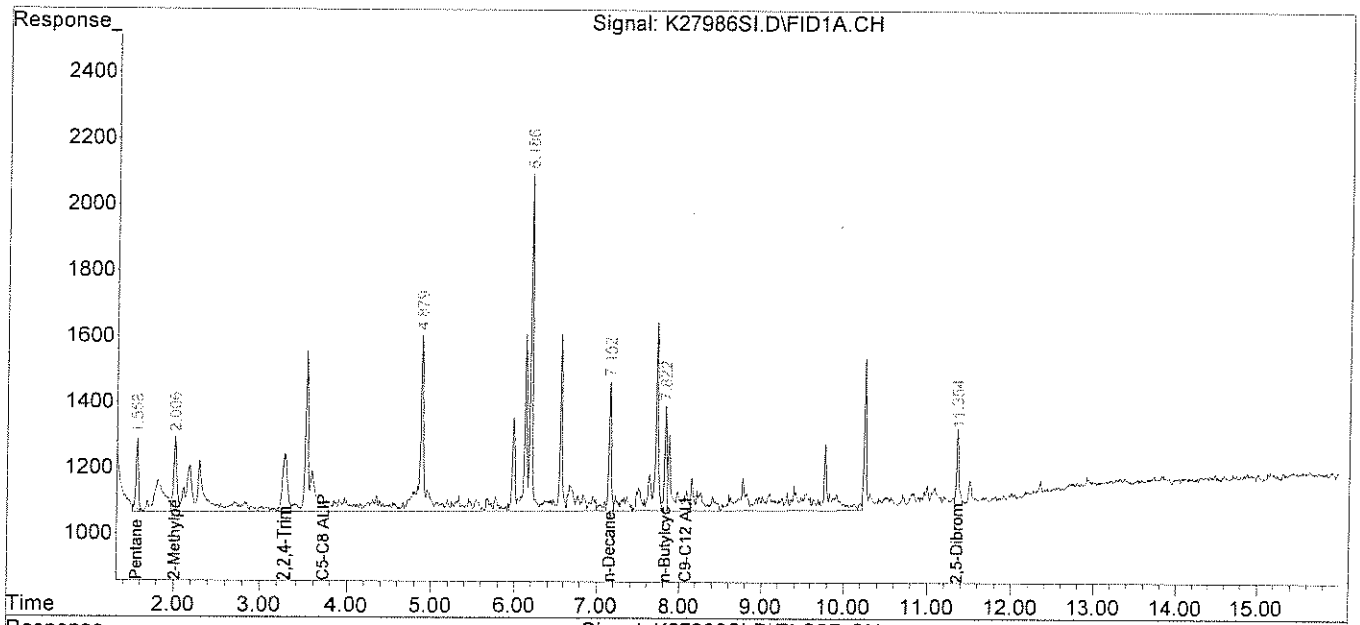
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27986SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:32 pm
Operator : JJL
Sample : VPH 1 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

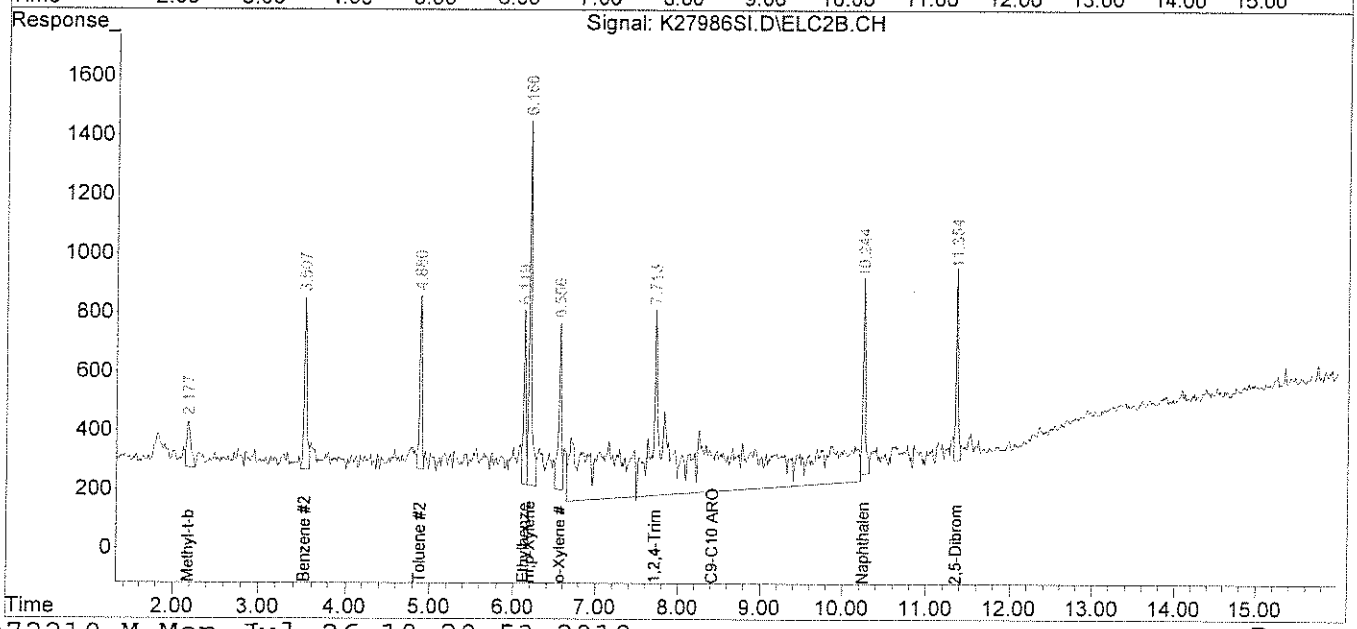
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27987SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:57 pm
Operator : JJL
Sample : VPH 2 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
System Monitoring Compounds									
18)	S	2,5-Dibro...	11.355	11.355	7582	17124	3.170	2.511	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	3.17%#	2.51%#
Target Compounds									
1)	Z	Pentane	1.559	1.576	13246	196	2.755	NoCal	#
2)	Z	2-Methylp...	2.009	1.998	17073	1007	2.465	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	9810	10745	NoCal	2.499	#
4)	Z	2,2,4-Tri...	3.278	3.279	16432	3496	2.477	NoCal	#
5)	TM	Benzene	3.510	3.509	21209	25596	NoCal	1.934	#
6)	TM	Toluene	4.881	4.881	22868	24969	NoCal	2.041	#
7)	XH	C5-C8 ALI...	3.717	0.000	155766	0	26.285	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	22182	23546	NoCal	2.223	#
10)	TM	m,p-Xylene	6.188	6.187	42752	48976	NoCal	3.953	#
11)	TM	o-Xylene	6.559	6.558	22078	22865	NoCal	2.136	#
12)	Z	n-Decane	7.152	7.154	12077	2628	2.062	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	12714	7463	1.987	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	195953	0	31.978	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	21313	22012	NoCal	2.069	#
16)	XH	C9-C10 AR...	10.410	8.424	17	86037	NoCal	8.089	#
17)	TM	Naphthalene	10.246	10.246	13937	20141	NoCal	2.402	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

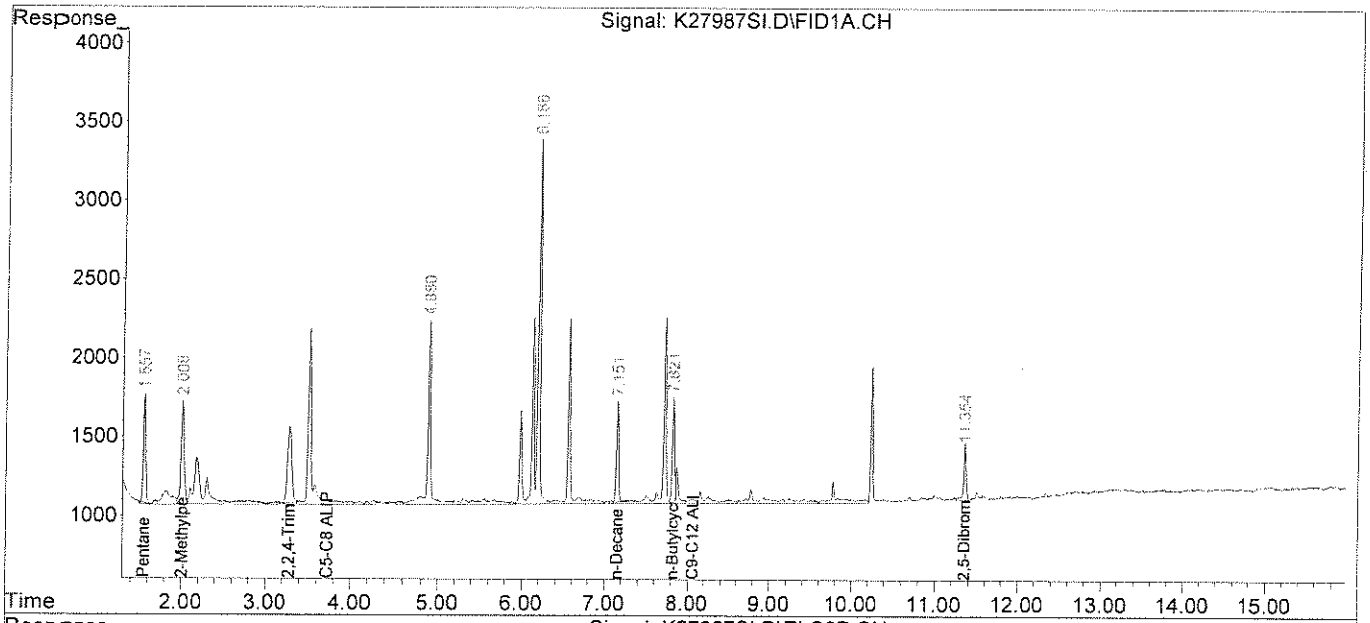
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27987SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:57 pm
perator : JJL
Sample : VPH 2 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

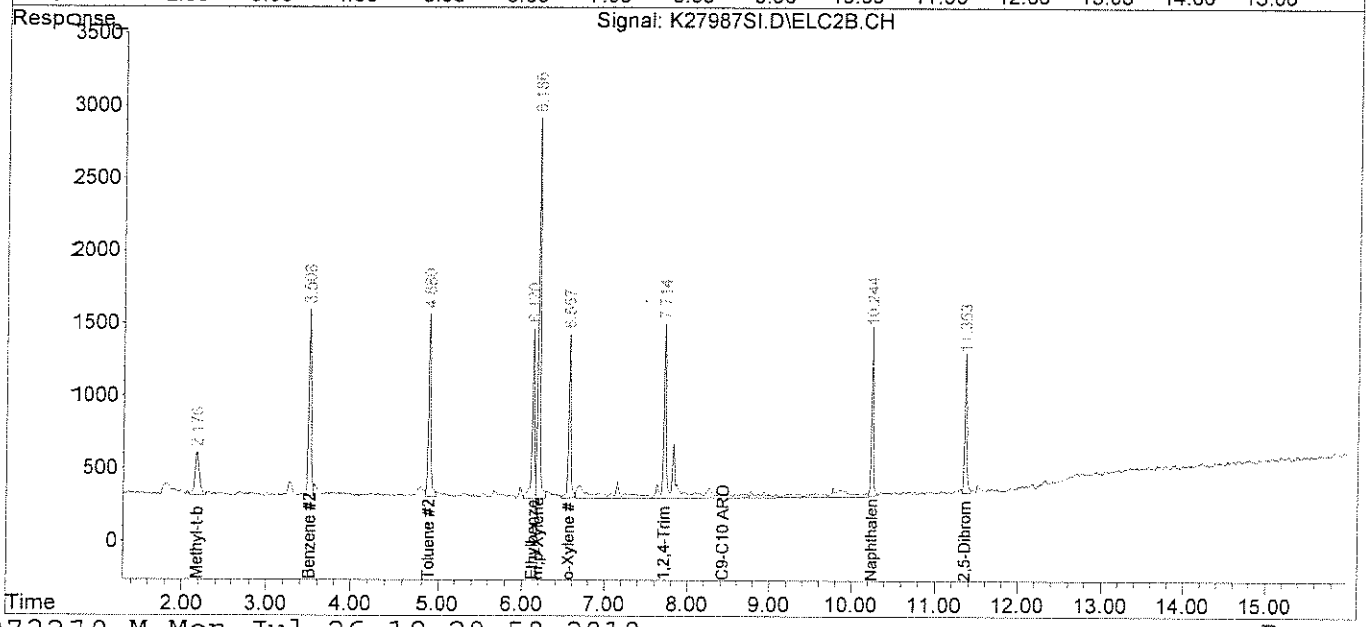
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27988SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:21 pm
Operator : JJL
Sample : VPH 5 UG/L
Misc : 5000
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	13711	34040	5.732	4.991	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 5.73%# 4.99%#							
		Target Compounds							
1)	Z	Pentane	1.559	1.560	31554	800	6.563	NoCal	#
2)	Z	2-Methylp...	2.009	2.013	37332	935	5.389	NoCal	#
3)	TM	Methyl-t-...	2.178	2.177	21475	20790	NoCal	4.835	#
4)	Z	2,2,4-Tri...	3.278	3.278	38234	8636	5.764	NoCal	#
5)	TM	Benzene	3.509	3.509	49820	63236	NoCal	4.778	#
6)	TM	Toluene	4.881	4.881	51479	56741	NoCal	4.637	#
7)	XH	C5-C8 ALI...	3.717	0.000	284049	0	47.932	N.D.	#
9)	TM	Ethylbenzene	6.122	6.122	49284	49672	NoCal	4.690	#
10)	TM	m,p-Xylene	6.188	6.187	97868	114256	NoCal	9.222	#
11)	TM	o-Xylene	6.559	6.558	49457	49516	NoCal	4.627	#
12)	Z	n-Decane	7.152	7.152	24751	4594	4.226	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	32177	18542	5.028	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	377560	0	61.614	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	47838	49294	NoCal	4.634	#
16)	XH	C9-C10 AR...	10.410	8.424	21	117184	NoCal	11.017	#
17)	TM	Naphthalene	10.246	10.245	31659	44071	NoCal	5.255	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

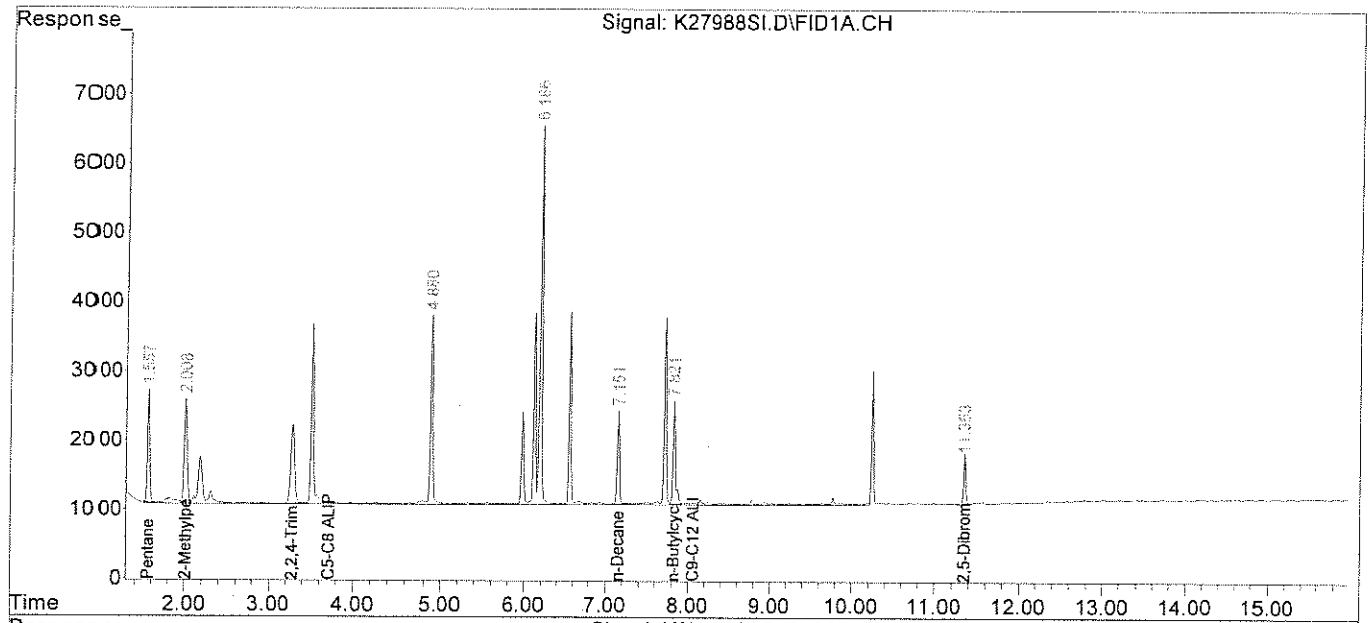
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27988SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:21 pm
Operator : JJL
Sample : VPH 5 UG/L
Misc : 5000
ALS Vial : 11 Sample Multiplier: 1

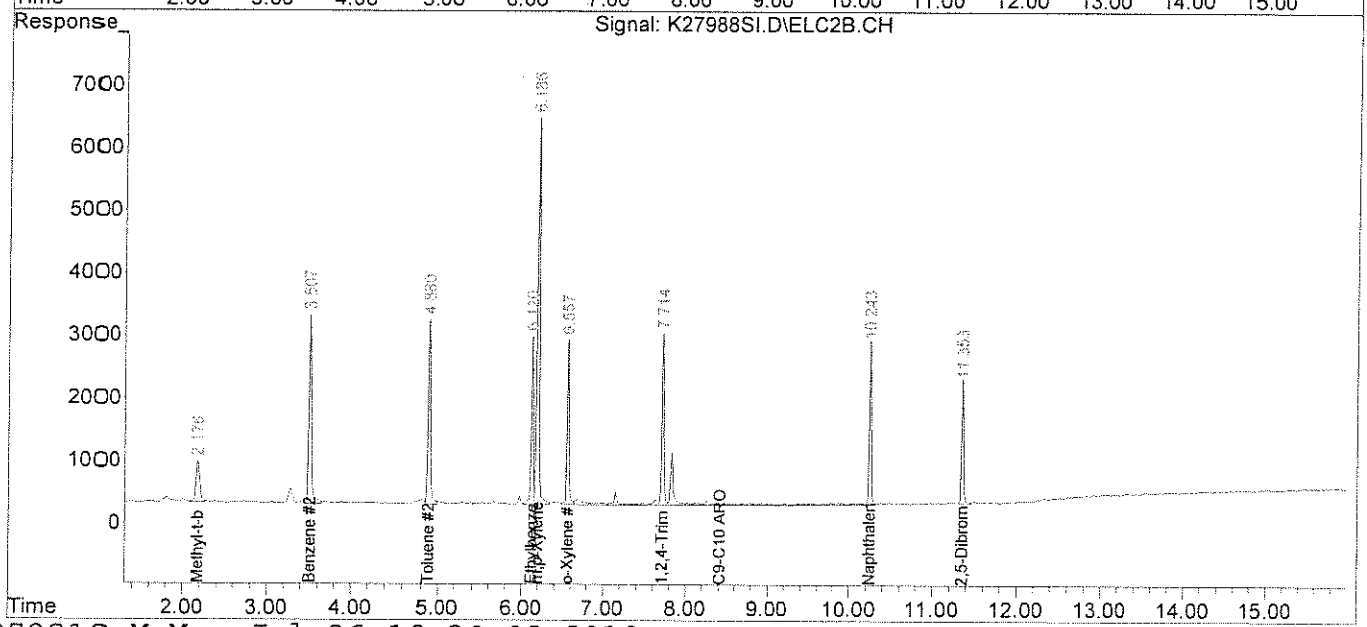
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27989SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:46 pm
Operator : JJL
Sample : VPH 20 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.354	51672	142985	21.603	20.965	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	21.60%#	20.97%#
		Target Compounds							
1)	Z	Pentane	1.558	1.560	142930	1914	29.727	NoCal	#
2)	Z	2-Methylp...	2.009	2.009	164135	6953	23.695	NoCal	#
3)	TM	Methyl-t-...	2.177	2.177	86452	89681	NoCal	20.858	#
4)	Z	2,2,4-Tri...	3.279	3.279	177924	37078	26.823	NoCal	#
5)	TM	Benzene	3.509	3.508	224880	261797	NoCal	19.781	#
6)	TM	Toluene	4.881	4.881	219703	238095	NoCal	19.458	#
7)	XH	C5-C8 ALI...	3.717	0.000	1082237	0	182.622	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	214077	209568	NoCal	19.787	#
10)	TM	m,p-Xylene	6.188	6.187	432228	493591	NoCal	39.840	#
11)	TM	o-Xylene	6.559	6.558	216641	209641	NoCal	19.588	#
12)	Z	n-Decane	7.152	7.152	103821	15722	17.728	NoCal	#
13)	Z	n-Butylcy...	7.822	7.821	131857	75965	20.605	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	1472392	0	240.281	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.715	208184	213051	NoCal	20.030	#
16)	XH	C9-C10 AR...	10.410	8.424	15	359365	NoCal	33.786	#
17)	TM	Naphthalene	10.245	10.245	135712	187732	NoCal	22.384	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

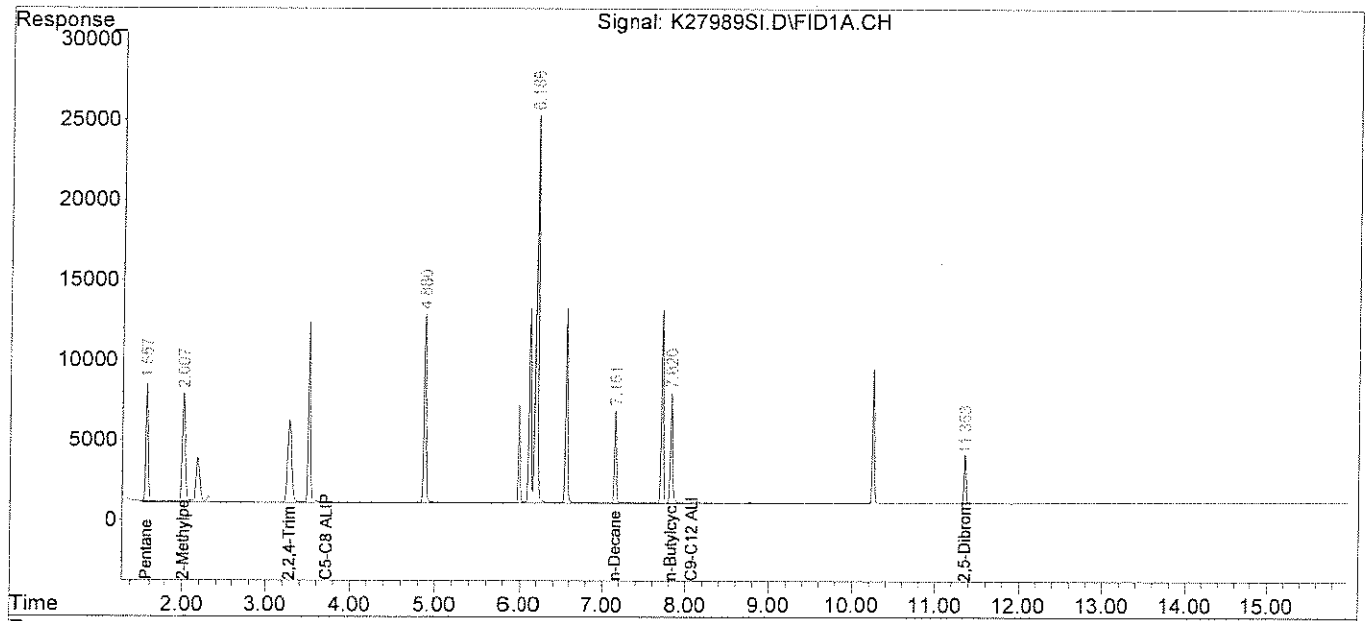
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27989SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:46 pm
perator : JJL
Sample : VPH 20 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

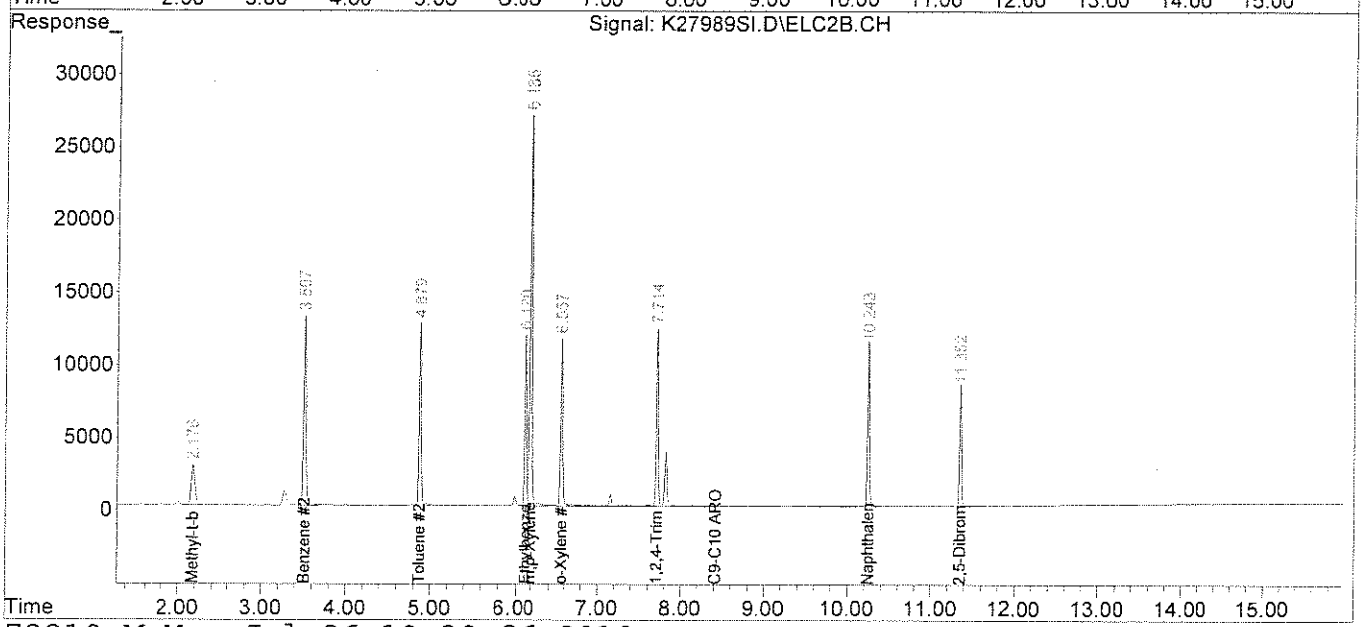
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27990SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:11 pm
Operator : JJL
Sample : VPH 50 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SB 7/26/10
VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.355	11.354	135586	379266	56.686	55.609
Spiked Amount		100.000	Range	70 - 130	Recovery	=	56.69%# 55.61%#
	Target Compounds						
1) Z	Pentane	1.559	1.559	360111	5164	74.896	NoCal #
2) Z	2-Methylp...	2.009	2.009	412339	16154	59.526	NoCal #
3) TM	Methyl-t-...	2.177	2.177	219837	226301	NoCal	52.632 #
4) Z	2,2,4-Tri...	3.280	3.280	418763	84499	63.131	NoCal #
5) TM	Benzene	3.509	3.509	555846	656084	NoCal	49.572 #
6) TM	Toluene	4.881	4.881	551311	598686	NoCal	48.928 #
7) XH	C5-C8 ALI...	3.717	0.000	2615450	0	441.343	N.D. #
9) TM	Ethylbenzene	6.122	6.121	541215	530358	NoCal	50.076 #
10) TM	m,p-Xylene	6.188	6.188	1097619	1247921	NoCal	100.725 #
11) TM	o-Xylene	6.559	6.558	547299	530782	NoCal	49.594 #
12) Z	n-Decane	7.152	7.152	278934	40496	47.630	NoCal #
13) Z	n-Butylcy...	7.822	7.821	338833	193986	52.948	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	3696091	0	603.168	N.D. #
15) ZM	1,2,4-Tri...	7.716	7.715	533627	548257	NoCal	51.544 #
16) XH	C9-C10 AR...	10.410	8.424	54	849808	NoCal	79.895 #
17) TM	Naphthalene	10.245	10.245	353200	485287	NoCal	57.862 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

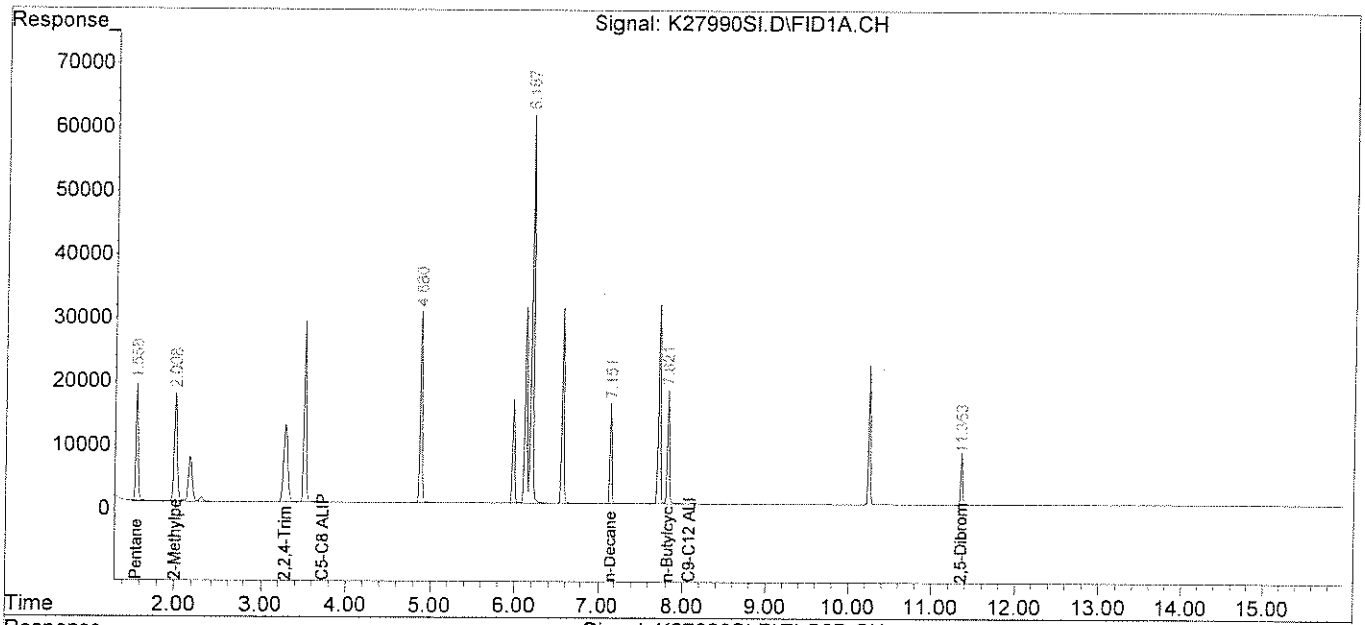
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27990SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:11 pm
perator : JJL
Sample : VPH 50 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

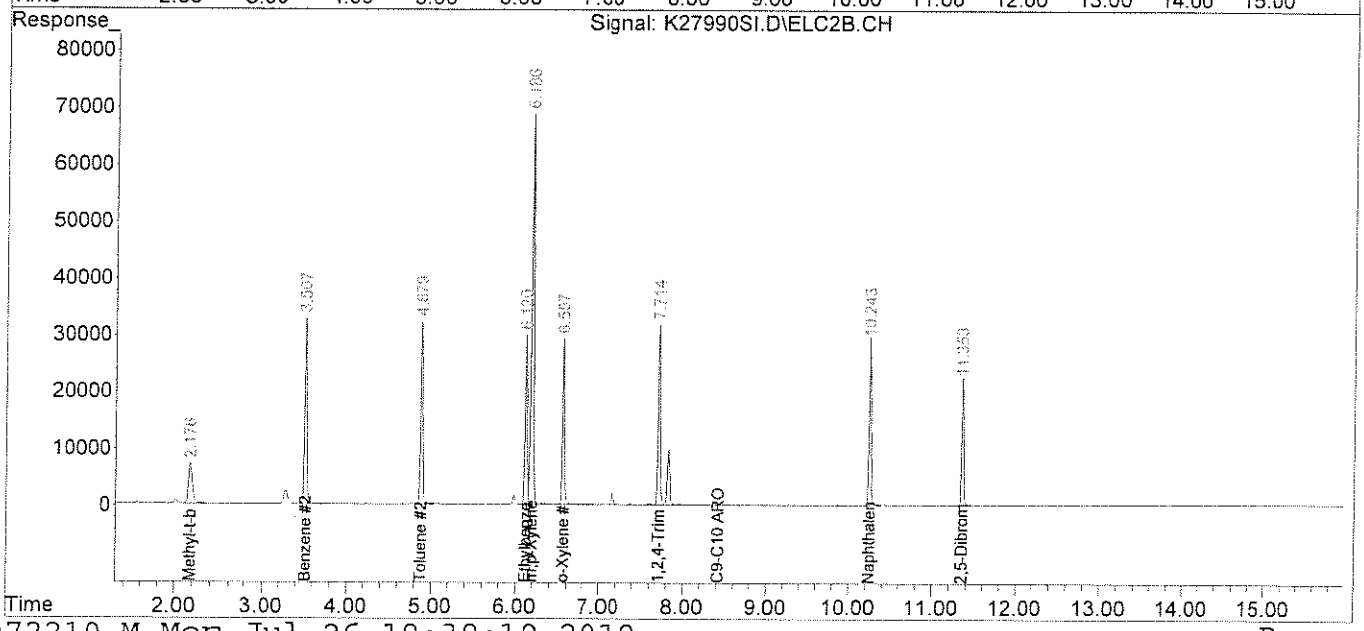
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27991SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:36 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:12:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.355	11.354	285904	815340	97.202	103.300	
Spiked Amount	100.000	Range	70 - 130	Recovery	=	97.20%	103.30%	
	Target Compounds							
1) Z	Pentane	1.559	1.559	757038	9686	108.188	NoCal	#
2) Z	2-Methylp...	2.009	2.009	868989	32171	106.171	NoCal	#
3) TM	Methyl-t-...	2.178	2.177	438527	447939	NoCal	96.052	#
4) Z	2,2,4-Tri...	3.280	3.280	799271	162150	103.574	NoCal	#
5) TM	Benzene	3.510	3.509	1127517	1320966	NoCal	101.517	#
6) TM	Toluene	4.882	4.881	1117393	1223183	NoCal	102.568	#
7) XH	C5-C8 ALI...	3.717	0.000	5246542	0	716.286	N.D.	#
9) TM	Ethylbenzene	6.123	6.122	1106103	1087175	NoCal	99.501	#
10) TM	m,p-Xylene	6.190	6.189	2249248	2565975	NoCal	204.524	#
11) TM	o-Xylene	6.560	6.559	1115798	1082680	NoCal	96.788	#
12) Z	n-Decane	7.153	7.153	799691	117574	115.954	NoCal	#
13) Z	n-Butylcy...	7.823	7.822	802941	461864	109.075	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	7979371	0	1119.285	N.D.	#
15) ZM	1,2,4-Tri...	7.717	7.716	1100720	1135642	NoCal	96.274	#
16) XH	C9-C10 AR...	10.410	8.424	20	1807342	NoCal	153.217	#
17) TM	Naphthalene	10.246	10.245	721604	997055	NoCal	97.824	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

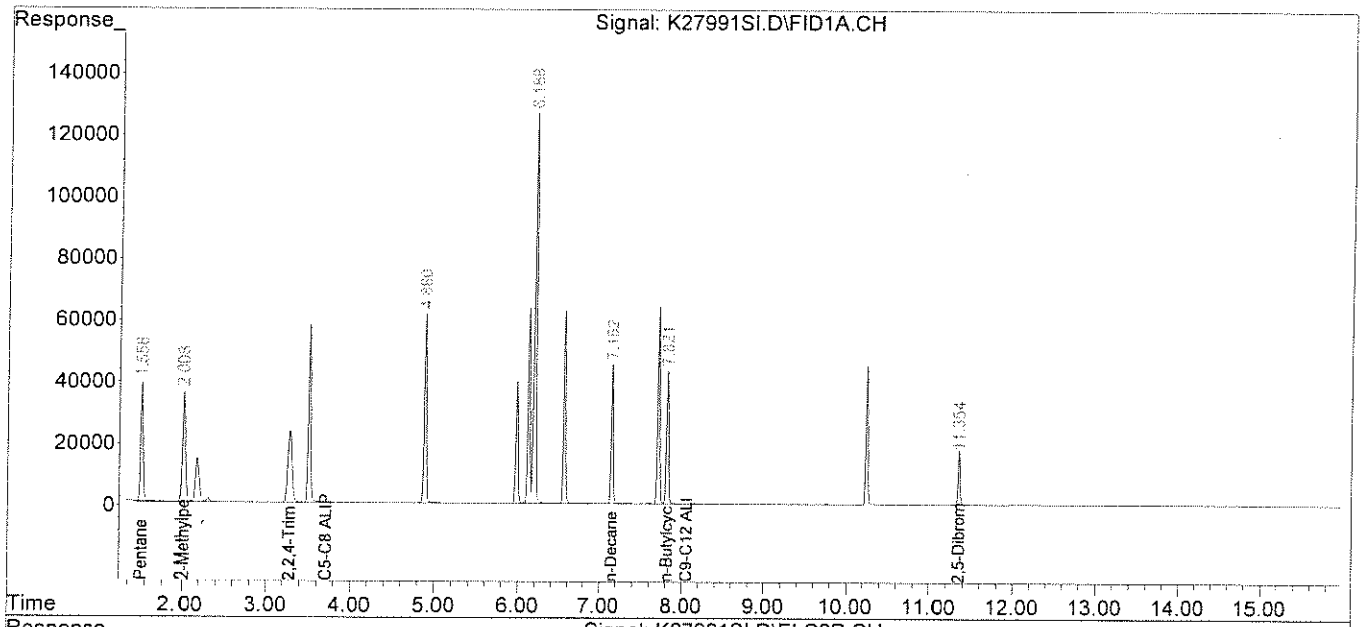
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27991SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:36 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

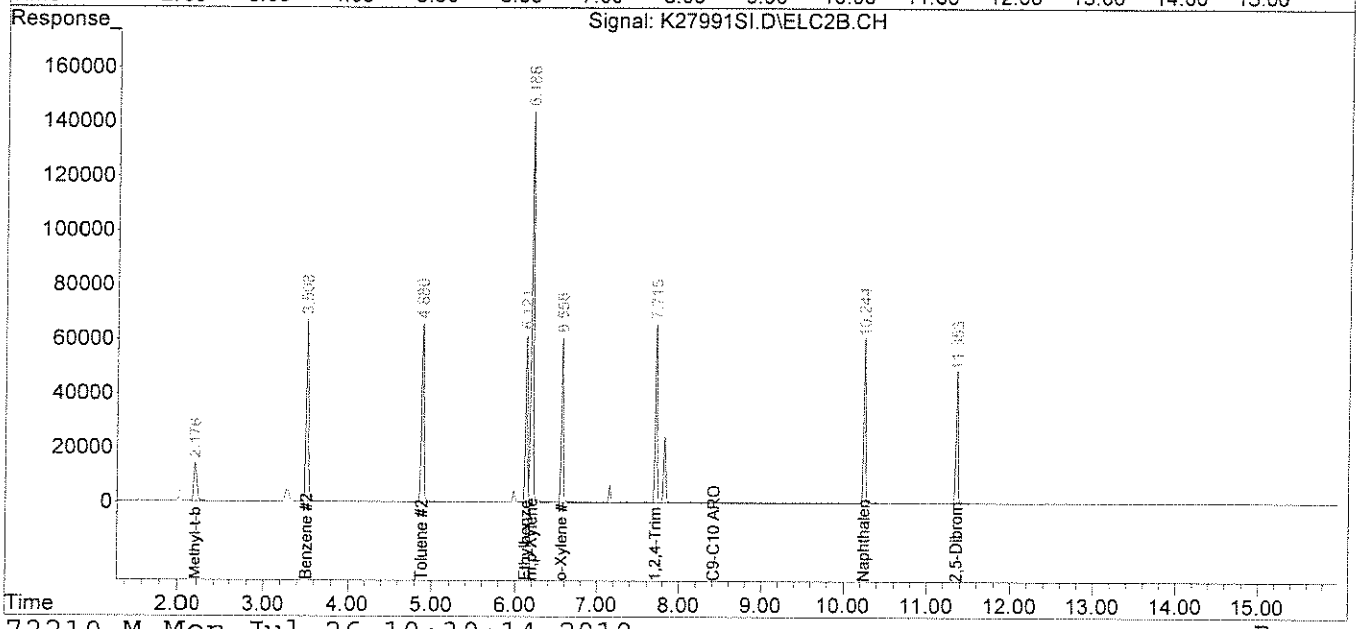
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:12:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27992SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:00 pm
Operator : JJL
Sample : VPH 200 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.356	11.355	573767	1641106	239.880	240.622	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	239.88%#	240.62%#
		Target Compounds							
1)	Z	Pentane	1.560	1.559	1489524	22671	309.791	NoCal	#
2)	Z	2-Methylp...	2.010	2.009	1701064	67354	245.570	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	852664	873179	NoCal	203.081	#
4)	Z	2,2,4-Tri...	3.281	3.281	1341020	278226	202.168	NoCal	#
5)	TM	Benzene	3.510	3.509	2234430	2633185	NoCal	198.955	#
6)	TM	Toluene	4.883	4.882	2222155	2428518	NoCal	198.472	#
7)	XH	C5-C8 ALI...	3.717	0.000	10054754	0	1696.684	N.D.	#
9)	TM	Ethylbenzene	6.124	6.124	2202865	2170453	NoCal	204.931	#
10)	TM	m,p-Xylene	6.191	6.191	4475121	5070193	NoCal	409.237	#
11)	TM	o-Xylene	6.560	6.560	2219154	2155584	NoCal	201.411	#
12)	Z	n-Decane	7.154	7.154	1731319	253392	295.635	NoCal	#
13)	Z	n-Butylcy...	7.823	7.823	1724578	987446	269.494	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	16235446	0	2649.476	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.717	2196553	2270927	NoCal	213.501	#
16)	XH	C9-C10 AR...	10.410	8.424	218	3642615	NoCal	342.460	#
17)	TM	Naphthalene	10.247	10.246	1421440	1959201	NoCal	233.600	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

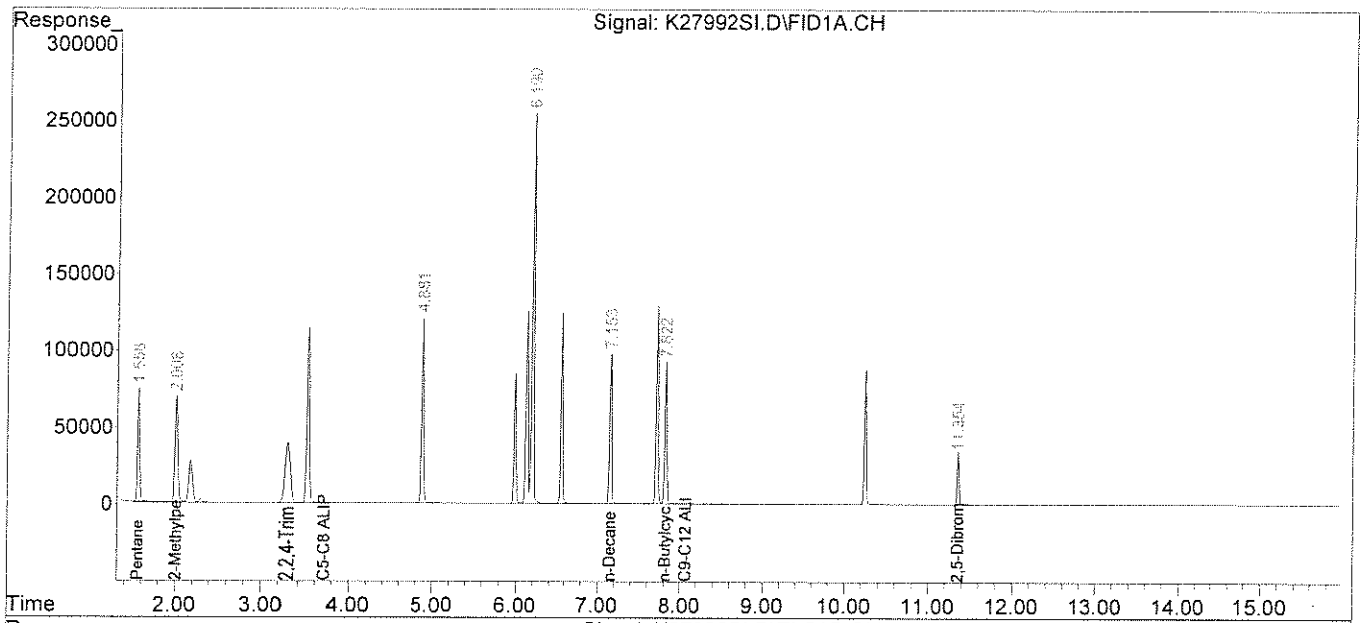
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27992SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:00 pm
Operator : JJL
Sample : VPH 200 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

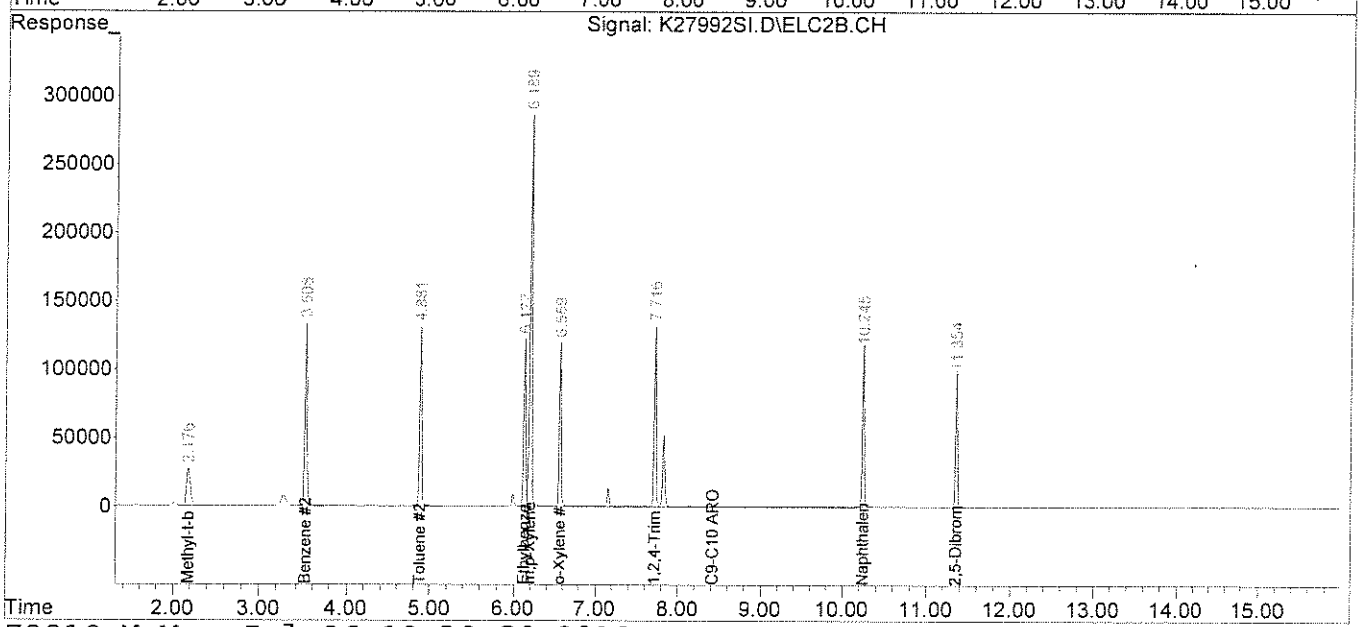
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 7/26/10

JMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27994SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:50 pm
Operator : JJL
Sample : VPH 500 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:22:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.358	11.358	1516288	4393616	633.927	644.200
Spiked Amount	100.000 Range	70 - 130	Recovery	=	633.93%#	644.20%#	
	Target Compounds						
1) Z	Pentane	1.563	1.563	3340630	49930	694.784	NoCal #
2) Z	2-Methylp...	2.011	2.011	3820973	149080	551.605	NoCal #
3) TM	Methyl-t-...	2.179	2.179	2093459	2099278	NoCal	488.244 #
4) Z	2,2,4-Tri...	3.281	3.281	2355729	492506	355.142	NoCal #
5) TM	Benzene	3.512	3.511	5595001	6576942	NoCal	496.932 #
6) TM	Toluene	4.885	4.884	5572149	6086295	NoCal	497.405 #
7) XH	C5-C8 ALI...	3.717	0.000	23833000	0	4021.686	N.D. #
9) TM	Ethylbenzene	6.128	6.127	5552765	5457691	NoCal	515.307 #
10) TM	m,p-Xylene	6.198	6.197	11281535	12618733	NoCal	1018.513 #
11) TM	o-Xylene	6.564	6.563	5686501	5485280	NoCal	512.526 #
12) Z	n-Decane	7.158	7.157	4528311	672488	773.240	NoCal #
13) Z	n-Butylcy...	7.827	7.827	4806171	2727272	751.045	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	42134988	0	6876.044	N.D. #
15) ZM	1,2,4-Tri...	7.722	7.721	5665905	5848096	NoCal	549.808 #
16) XH	C9-C10 AR...	10.410	8.424	201	9613009	NoCal	903.766 #
17) TM	Naphthalene	10.250	10.249	3644004	5031020	NoCal	599.860 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

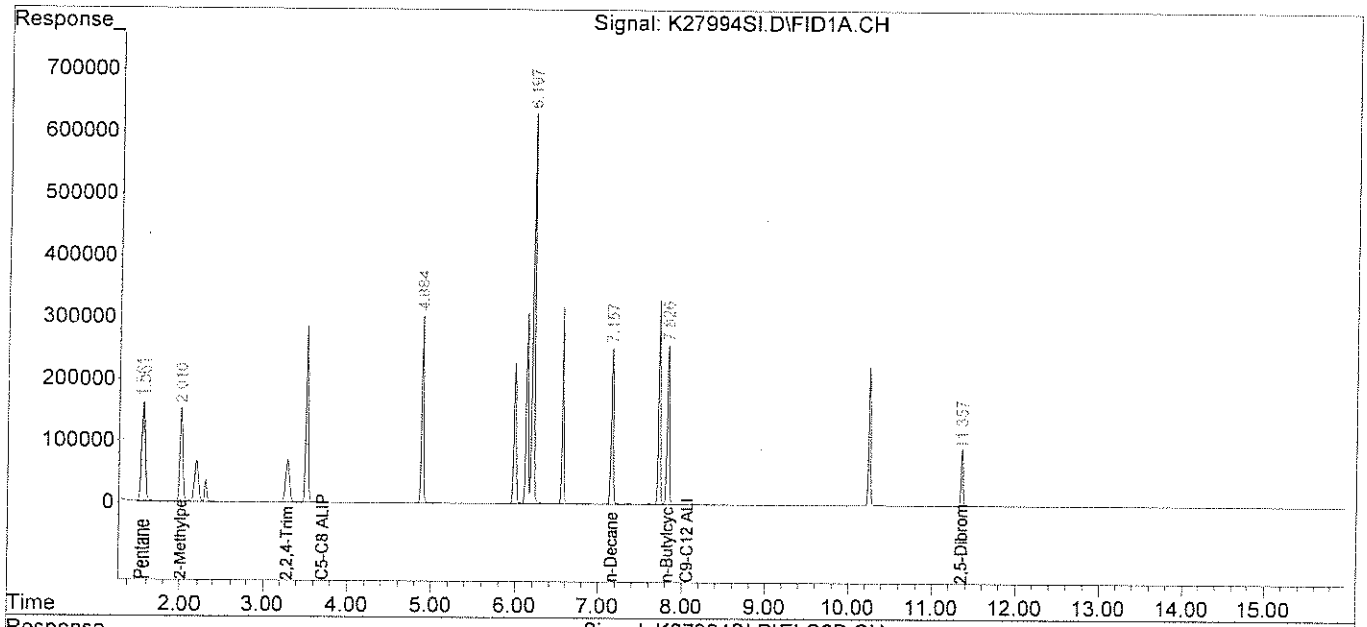
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27994SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:50 pm
Operator : JJL
Sample : VPH 500 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

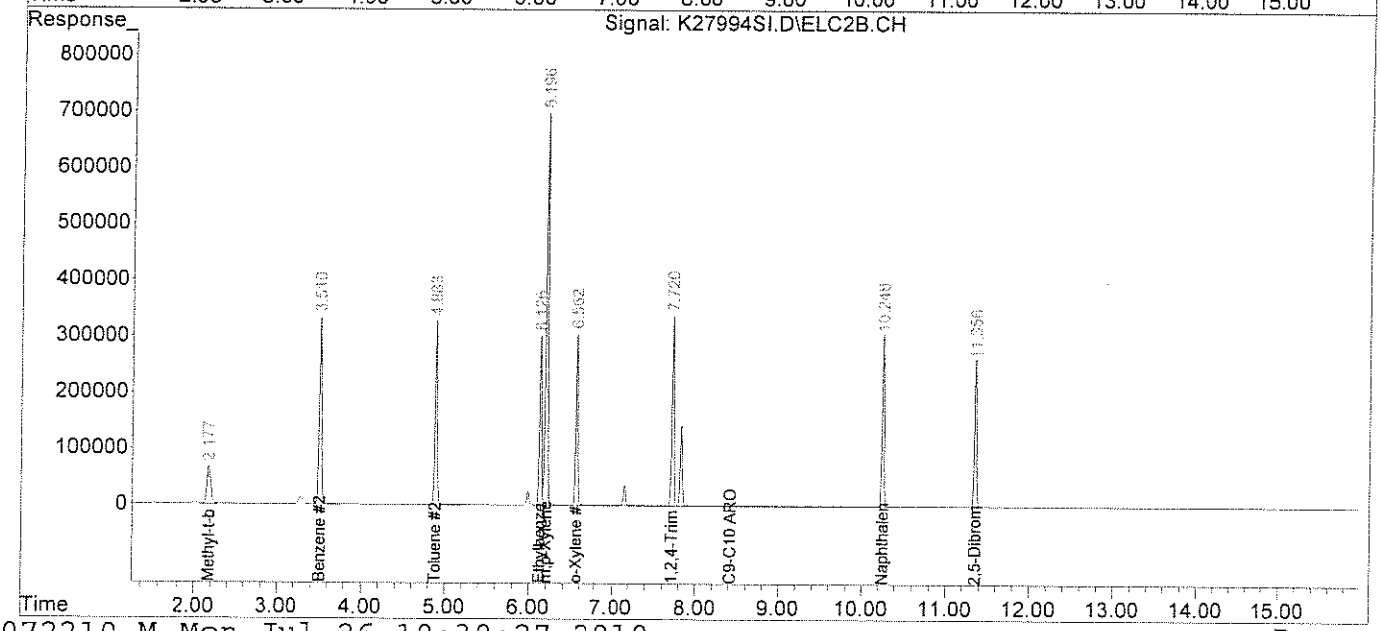
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:22:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/20/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS AQUEOUS
LABORATORY CONTROL SAMPLE

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: LV072210K,ICV
Spike: LV072210K,ICV

SS 7/26/10
VMT 7/26/10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
Pentane	100	70	130	0.0	119	119	
2-Methylpentane	100	70	130	0.0	111	111	
2,2,4-Trimethylpentane	100	70	130	0.0	96	96	
n-Decane	100	70	130	0.0	111	111	
n-Butylcyclohexane	100	70	130	0.0	102	102	
Methyl-t-butylether #2	100	70	130	0.0	95	95	
Benzene #2	100	70	130	0.0	103	103	
Toluene #2	100	70	130	0.0	103	103	
Ethylbenzene #2	100	70	130	0.0	99	99	
m,p-Xylene #2	200	70	130	0.0	204	102	
o-Xylene #2	100	70	130	0.0	97	97	
1,2,4-Trimethylbenzene #2	100	70	130	0.0	97	97	
Naphthalene #2	100	70	130	0.0	100	100	
C5-C8 Aliphatics	300	70	130	0.0	326	109	
C9-C12 Aliphatics	200	70	130	0.0	213	107	
C9-C10 Aromatics #2	100	70	130	0.0	97	97	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VPH FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27996SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 8:40 pm
Operator : JJL
Sample : LV072210K,ICV
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

BS 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	285249	798627	96.979	101.183	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 96.98% ✓ 101.18% ✓							
		Target Compounds							
1)	Z	Pentane	1.561	1.561	834987	10878	119.328	NoCal	#
2)	Z	2-Methylp...	2.010	2.010	908647	31451	111.017	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	442200	444065	NoCal	95.221	#
4)	Z	2,2,4-Tri...	3.281	3.280	737656	145579	95.590	NoCal	#
5)	TM	Benzene	3.510	3.509	1150422	1337308	NoCal	102.773	#
6)	TM	Toluene	4.882	4.881	1133173	1225710	NoCal	102.780	#
7)	XH	C5-C8 ALI...	3.717	0.000	5289562	0	722.160	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1116218	1086585	NoCal	99.447	#
10)	TM	m,p-Xylene	6.189	6.189	2257214	2559629	NoCal	204.018	#
11)	TM	o-Xylene	6.560	6.559	1125050	1087200	NoCal	97.192	#
12)	Z	n-Decane	7.153	7.153	765948	107246	111.061	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	751300	425339	102.060	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7886409	0	1106.244	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	1124367	1147407	NoCal	97.271	#
16)	XH	C9-C10 AR...	10.410	8.424	108	1773360	NoCal	150.336	#
17)	TM	Naphthalene	10.246	10.245	748130	1019126	NoCal	99.989	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

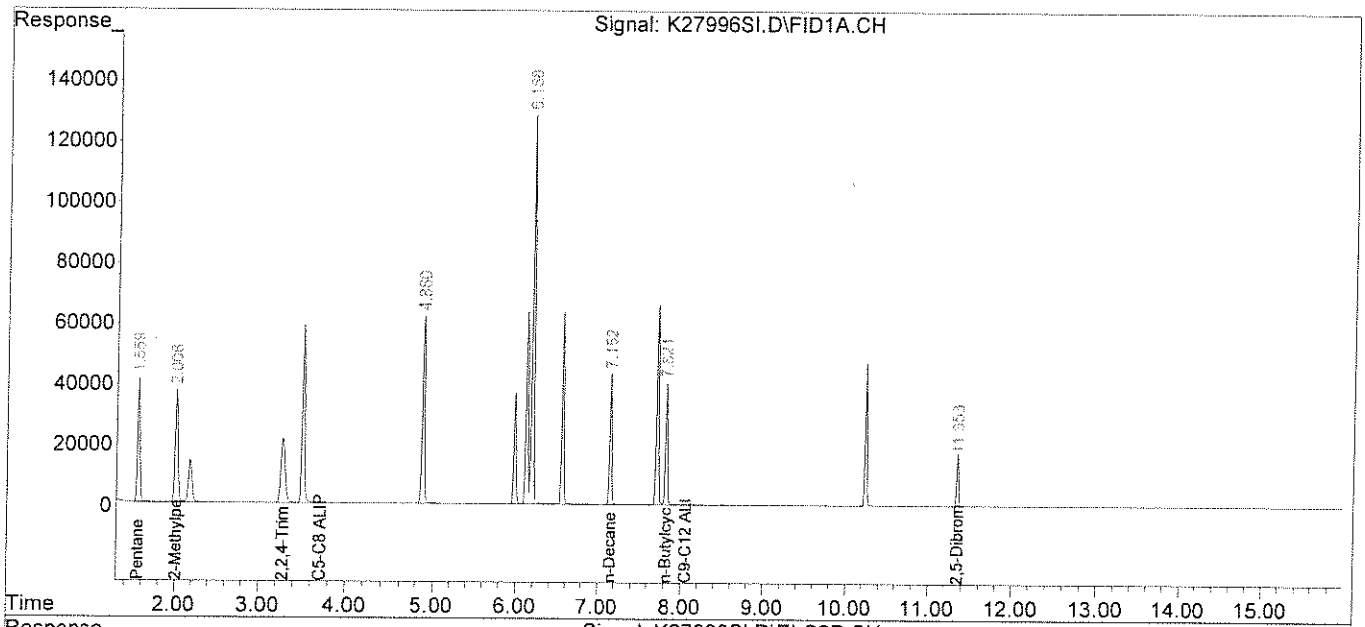
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27996SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 8:40 pm
Operator : JJL
Sample : LV072210K,ICV
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

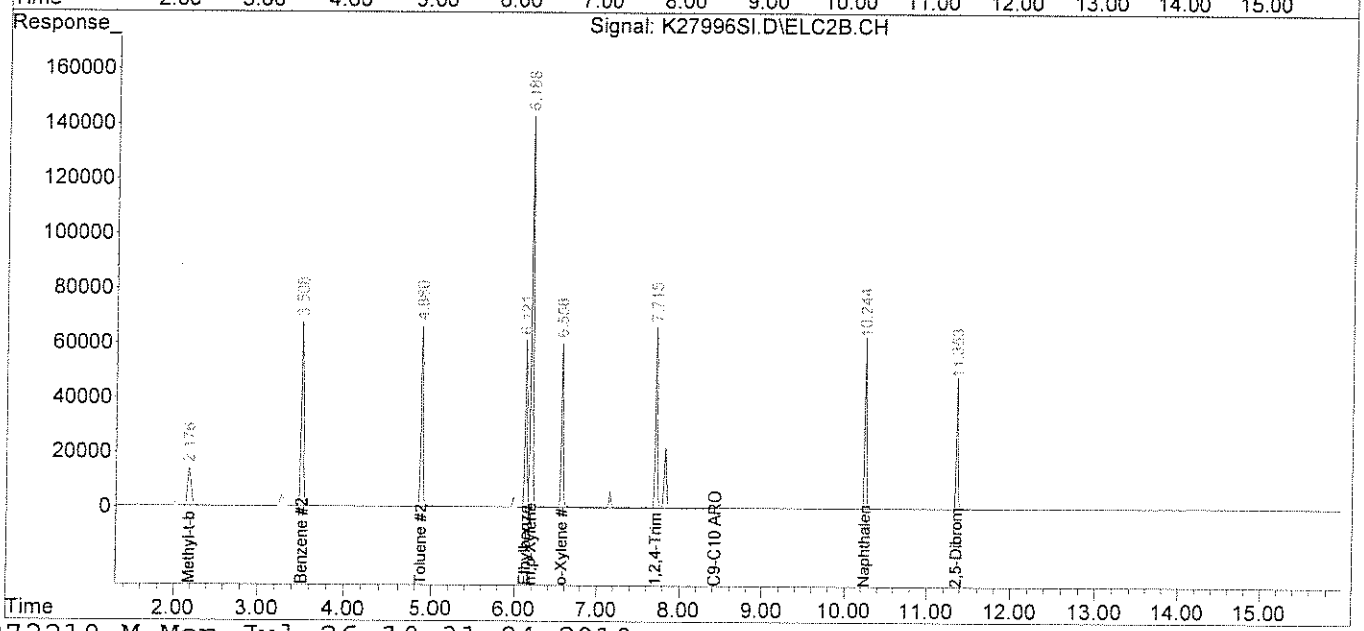
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28842SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	95	4.8	
2-Methylpentane	98	2.1	
2,2,4-Trimethylpentane	112	11.8	
n-Decane	110	9.7	
n-Butylcyclohexane	103	2.7	
2,5-Dibromotoluene	84	16.2	
Methyl-t-butylether #2	94	6.4	
Benzene #2	99	0.9	
Toluene #2	100	0.2	
Ethylbenzene #2	97	2.7	
m,p-Xylene #2	200	0.1	
o-Xylene #2	95	5.0	
1,2,4-Trimethylbenzene #2	94	6.2	
Naphthalene #2	90	9.8	
2,5-Dibromotoluene #2	90	10.3	

9/13/10

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

J91310

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28842SC.D
Date Acquired 9/10/2010 10:11

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5602	1.5680	0.0078	0.0438	OK	95.15	4.85	OK
2-Methylpentane	2.0108	2.0150	0.0042	0.0447	OK	97.90	2.10	OK
2,2,4-Trimethylpentane	3.2813	3.2850	0.0037	0.0405	OK	111.79	11.79	OK
C5-C8 ALIPHATICS						304.85	1.62	OK
n-Decane	7.1530	7.1540	0.0011	0.0380	OK	109.66	9.66	OK
n-Butylcyclohexane	7.8226	7.8240	0.0015	0.0380	OK	102.65	2.65	OK
C9-C12 ALIPHATICS						212.31	6.16	OK
2,5-Dibromotoluene	11.3561	11.3580	0.0019	0.0380	OK	83.80	16.20	OK
PID								
Methyl-t-butylether #2	2.1787	2.1830	0.0043	0.0447	OK	93.58	6.42	OK
Benzene #2	3.5092	3.5120	0.0028	0.0380	OK	99.10	0.90	OK
Toluene #2	4.8812	4.8830	0.0018	0.0344	OK	99.85	0.15	OK
Ethylbenzene #2	6.1220	6.1240	0.0020	0.0344	OK	97.28	2.72	OK
m,p-Xylene #2	6.1888	6.1900	0.0012	0.0344	OK	200.22	0.11	OK
o-Xylene #2	6.5587	6.5610	0.0023	0.0344	OK	95.04	4.96	OK
1,2,4-Trimethylbenzene #2	7.7162	7.7180	0.0018	0.0344	OK	93.80	6.20	OK
C9-C10 AROMATICS #2						93.80	6.20	OK
Naphthalene #2	10.2461	10.2480	0.0019	0.0344	OK	90.15	9.85	OK
2,5-Dibromotoluene #2	11.3555	11.3570	0.0015	0.0344	OK	89.72	10.28	OK

88 9/13/10

J91310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28842SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 10:11 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 08:34:07 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.356	11.355	246494	708142	83.804	89.719	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	83.80%	89.72%
		Target Compounds							
1)	Z	Pentane	1.560	1.560	665836	12613	95.155	NoCal	#
2)	Z	2-Methylp...	2.011	2.010	801319	34999	97.904	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	429449	436420	NoCal	93.582	#
4)	Z	2,2,4-Tri...	3.281	3.281	862704	181129	111.794	NoCal	#
5)	TM	Benzene	3.510	3.509	1087012	1289551	NoCal	99.103	#
6)	TM	Toluene	4.882	4.881	1081357	1190714	NoCal	99.845	#
7)	XH	C5-C8 ALI...	3.717	0.000	5336787	0	728.607	N.D.	#
9)	TM	Ethylbenzene	6.122	6.122	1072427	1062870	NoCal	97.276	#
10)	TM	m,p-Xylene	6.189	6.189	2178883	2511980	NoCal	200.220	#
11)	TM	o-Xylene	6.559	6.559	1082837	1063138	NoCal	95.041	#
12)	Z	n-Decane	7.153	7.152	756286	113608	109.660	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	755674	441831	102.654	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7667166	0	1075.491	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.716	1059675	1106450	NoCal	93.799	#
16)	XH	C9-C10 AR...	10.410	8.424	24	1751005	NoCal	148.441	#
17)	TM	Naphthalene	10.247	10.246	663634	918848	NoCal	90.150	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

591310

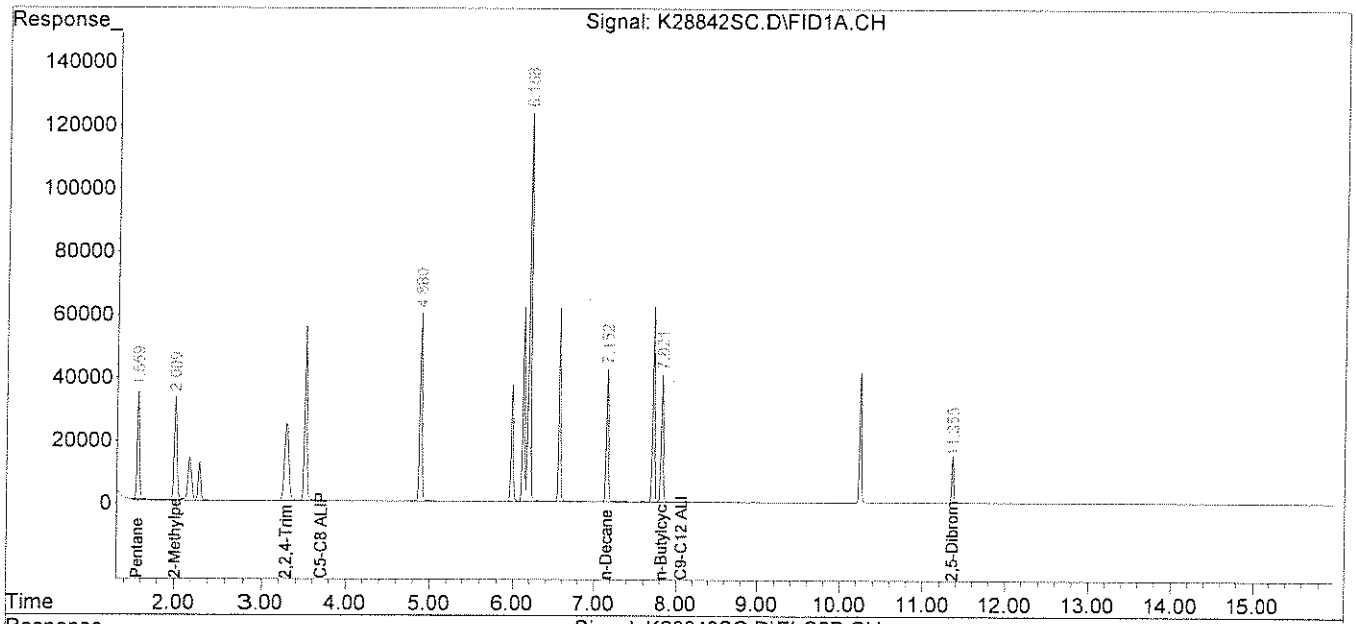
Quantitation Report (Not Reviewed)

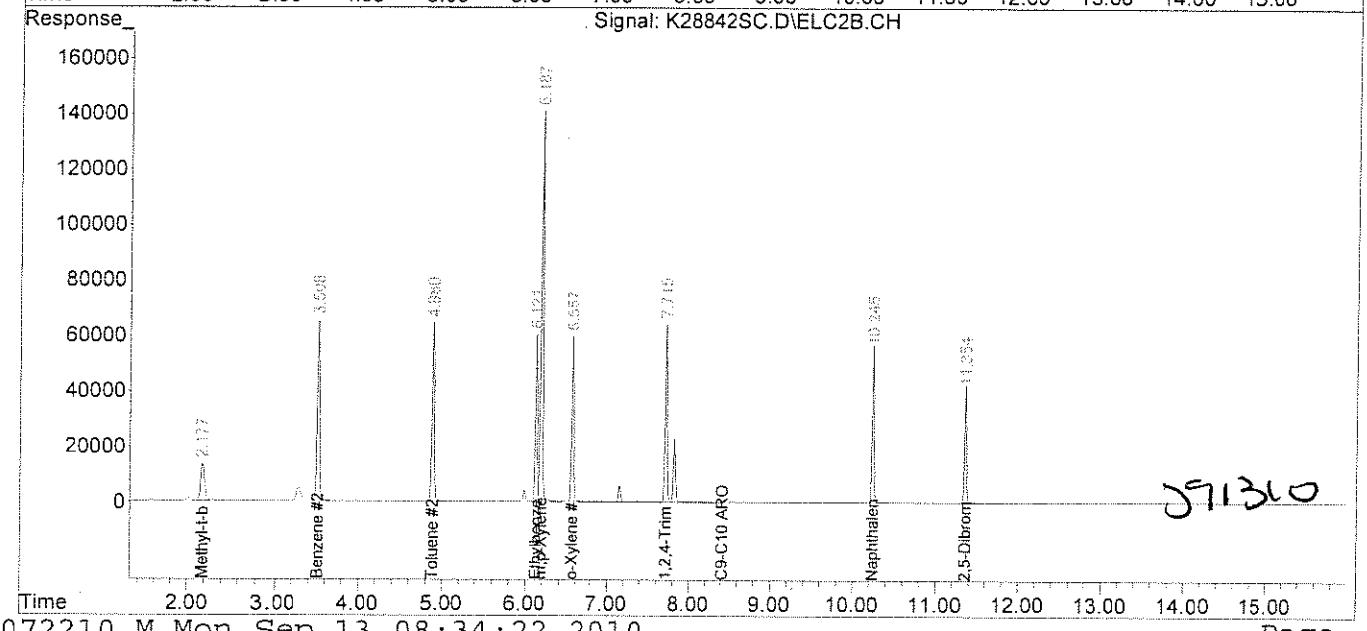
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28842SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 10:11 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 08:34:07 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J91310

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28854SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	93	6.6	
2-Methylpentane	95	4.5	
2,2,4-Trimethylpentane	107	6.9	
n-Decane	109	9.0	
n-Butylcyclohexane	106	5.7	
2,5-Dibromotoluene	106	5.7	
Methyl-t-butylether #2	92	8.4	
Benzene #2	97	3.1	
Toluene #2	97	2.5	
Ethylbenzene #2	96	4.2	
m,p-Xylene #2	196	1.9	
o-Xylene #2	93	6.8	
1,2,4-Trimethylbenzene #2	93	6.7	
Naphthalene #2	92	8.0	
2,5-Dibromotoluene #2	99	1.1	

gg 9/13/10

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

J91310

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28854SC.D
Date Acquired 9/10/2010 17:26

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5615	1.5680	0.0065	0.0438	OK	93.36	6.64	OK
2-Methylpentane	2.0114	2.0150	0.0036	0.0447	OK	95.48	4.52	OK
2,2,4-Trimethylpentane	3.2819	3.2850	0.0031	0.0405	OK	106.94	6.94	OK
C5-C8 ALIPHATICS						295.77	1.41	OK
n-Decane	7.1530	7.1540	0.0011	0.0380	OK	109.04	9.04	OK
n-Butylcyclohexane	7.8228	7.8240	0.0012	0.0380	OK	105.74	5.74	OK
C9-C12 ALIPHATICS						214.79	7.39	OK
2,5-Dibromotoluene	11.3555	11.3580	0.0025	0.0380	OK	105.69	5.69	OK
PID								
Methyl-t-butylether #2	2.1791	2.1830	0.0039	0.0447	OK	91.63	8.37	OK
Benzene #2	3.5096	3.5120	0.0024	0.0380	OK	96.85	3.15	OK
Toluene #2	4.8814	4.8830	0.0016	0.0344	OK	97.46	2.54	OK
Ethylbenzene #2	6.1222	6.1240	0.0018	0.0344	OK	95.85	4.15	OK
m,p-Xylene #2	6.1888	6.1900	0.0012	0.0344	OK	196.22	1.89	OK
o-Xylene #2	6.5587	6.5610	0.0023	0.0344	OK	93.24	6.76	OK
1,2,4-Trimethylbenzene #2	7.7162	7.7180	0.0018	0.0344	OK	93.29	6.71	OK
C9-C10 AROMATICS #2						93.29	6.71	OK
Naphthalene #2	10.2456	10.2480	0.0024	0.0344	OK	91.96	8.04	OK
2,5-Dibromotoluene #2	11.3549	11.3570	0.0021	0.0344	OK	98.92	1.08	OK

gg 9/13/10

591310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28854SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 5:26 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 07:41:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.355	310859	780807	105.686	98.925	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 105.69% 98.92%							
		Target Compounds							
1)	Z	Pentane	1.561	1.561	653272	12453	93.359	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	781442	35262	95.475	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	420107	427305	NoCal	91.627	#
4)	Z	2,2,4-Tri...	3.282	3.281	825226	174436	106.937	NoCal	#
5)	TM	Benzene	3.510	3.510	1065630	1260290	NoCal	96.854	#
6)	TM	Toluene	4.882	4.881	1064725	1162231	NoCal	97.457	#
7)	XH	C5-C8 ALI...	3.717	0.000	5182440	0	707.535	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1061089	1047277	NoCal	95.849	#
10)	TM	m,p-Xylene	6.189	6.189	2162893	2461836	NoCal	196.223	#
11)	TM	o-Xylene	6.559	6.559	1073853	1042976	NoCal	93.238	#
12)	Z	n-Decane	7.153	7.152	752041	111591	109.045	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	778395	447239	105.741	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7912792	0	1109.945	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.716	1064809	1100490	NoCal	93.294	#
16)	XH	C9-C10 AR...	10.410	8.424	15	1872284	NoCal	158.722	#
17)	TM	Naphthalene	10.246	10.246	698200	937310	NoCal	91.962	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

091310

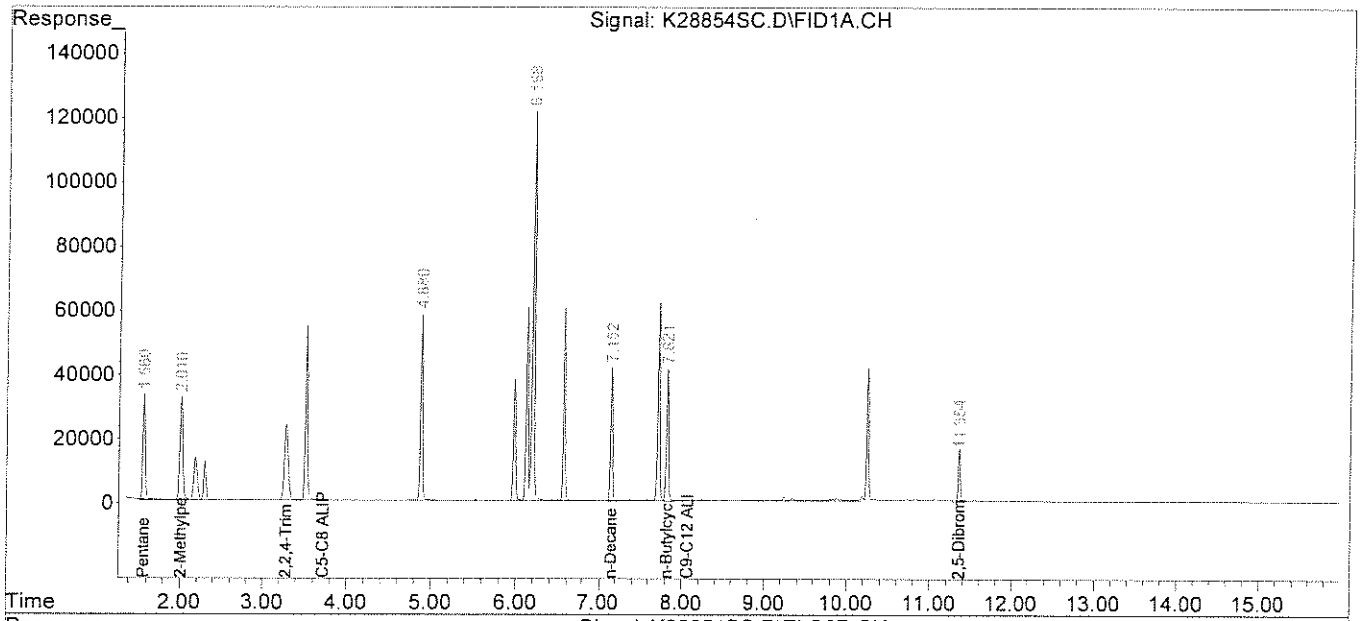
Quantitation Report (Not Reviewed)

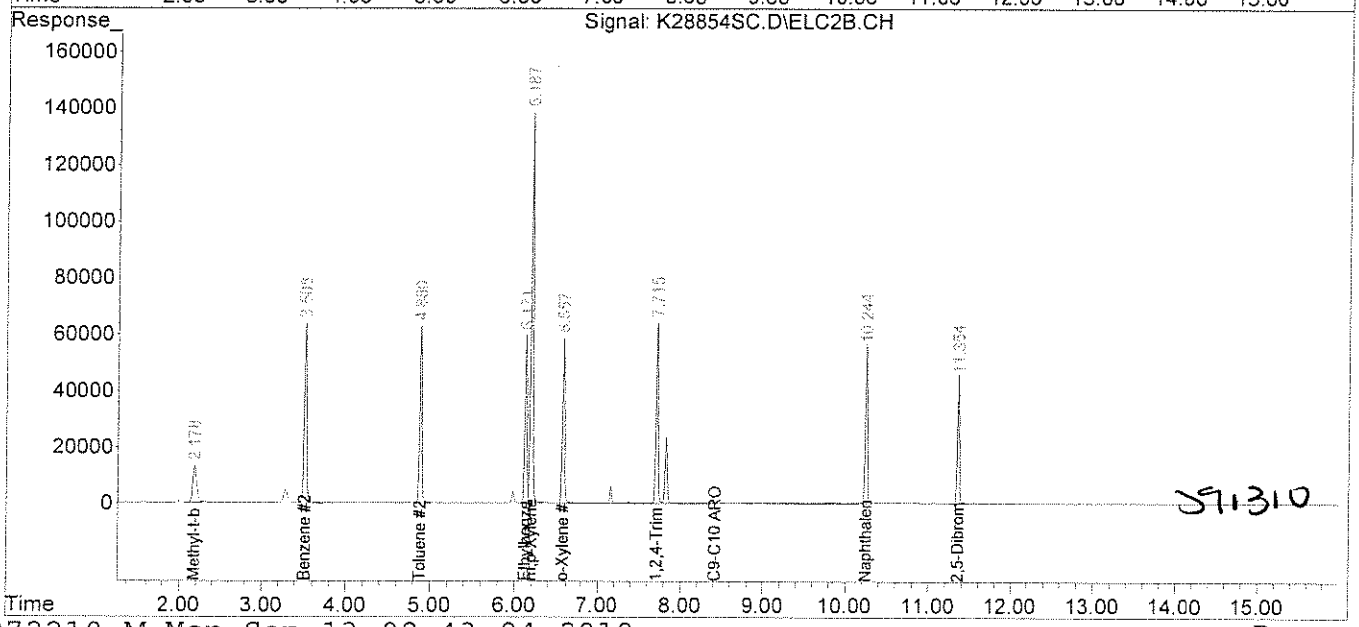
Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28854SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 5:26 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 07:41:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





S91310

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28855SC.D

9/13/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	92	8.3	
2-Methylpentane	94	6.2	
2,2,4-Trimethylpentane	109	8.9	
n-Decane	104	4.4	
n-Butylcyclohexane	101	1.3	
2,5-Dibromotoluene	91	8.8	
Methyl-t-butylether #2	91	8.7	
Benzene #2	96	3.7	
Toluene #2	97	2.8	
Ethylbenzene #2	95	4.5	
m,p-Xylene #2	196	1.8	
o-Xylene #2	93	7.2	
1,2,4-Trimethylbenzene #2	93	7.1	
Naphthalene #2	92	8.3	
2,5-Dibromotoluene #2	96	3.8	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 91310

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28855SC.D
Date Acquired 9/10/2010 17:50

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5607	1.5680	0.0073	0.0438	OK	91.71	8.29	OK
2-Methylpentane	2.0113	2.0150	0.0038	0.0447	OK	93.84	6.16	OK
2,2,4-Trimethylpentane	3.2814	3.2850	0.0036	0.0405	OK	108.95	8.95	OK
C5-C8 ALIPHATICS						294.50	1.83	OK
n-Decane	7.1529	7.1540	0.0011	0.0380	OK	104.42	4.42	OK
n-Butylcyclohexane	7.8225	7.8240	0.0015	0.0380	OK	101.32	1.32	OK
C9-C12 ALIPHATICS						205.73	2.87	OK
2,5-Dibromotoluene	11.3553	11.3580	0.0027	0.0380	OK	91.19	8.81	OK
PID								
Methyl-t-butylether #2	2.1791	2.1830	0.0039	0.0447	OK	91.26	8.74	OK
Benzene #2	3.5097	3.5120	0.0023	0.0380	OK	96.25	3.75	OK
Toluene #2	4.8816	4.8830	0.0014	0.0344	OK	97.19	2.81	OK
Ethylbenzene #2	6.1221	6.1240	0.0019	0.0344	OK	95.47	4.53	OK
m,p-Xylene #2	6.1891	6.1900	0.0010	0.0344	OK	196.44	1.78	OK
o-Xylene #2	6.5587	6.5610	0.0023	0.0344	OK	92.78	7.22	OK
1,2,4-Trimethylbenzene #2	7.7162	7.7180	0.0018	0.0344	OK	92.93	7.07	OK
C9-C10 AROMATICS #2						92.93	7.07	OK
Naphthalene #2	10.2457	10.2480	0.0023	0.0344	OK	91.69	8.31	OK
2,5-Dibromotoluene #2	11.3547	11.3570	0.0023	0.0344	OK	96.24	3.76	OK

9/13/10

591310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28855SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 5:50 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 07:42:18 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

System Monitoring Compounds

18)	S	2,5-Dibro...	11.355	11.355	268221	759635	91.190	96.242

Spiked Amount 100.000 Range 70 - 130 Recovery = 91.19% 96.24%

Target Compounds

1)	Z	Pentane	1.561	1.560	641744	13735	91.712	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	768034	37786	93.837	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	415444	425590	NoCal	91.259	#
4)	Z	2,2,4-Tri...	3.281	3.281	840752	179046	108.949	NoCal	#
5)	TM	Benzene	3.510	3.510	1053117	1252489	NoCal	96.255	#
6)	TM	Toluene	4.882	4.882	1051473	1159062	NoCal	97.191	#
7)	XH	C5-C8 ALI...	3.717	0.000	5179833	0	707.179	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1049658	1043114	NoCal	95.468	#
10)	TM	m,p-Xylene	6.190	6.189	2132377	2464545	NoCal	196.439	#
11)	TM	o-Xylene	6.559	6.559	1054938	1037859	NoCal	92.781	#
12)	Z	n-Decane	7.153	7.152	720113	114825	104.415	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	745819	441757	101.316	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7576558	0	1062.781	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.716	1045629	1096204	NoCal	92.930	#
16)	XH	C9-C10 AR...	10.410	8.424	137	1827931	NoCal	154.962	#
17)	TM	Naphthalene	10.246	10.246	665365	934542	NoCal	91.690	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

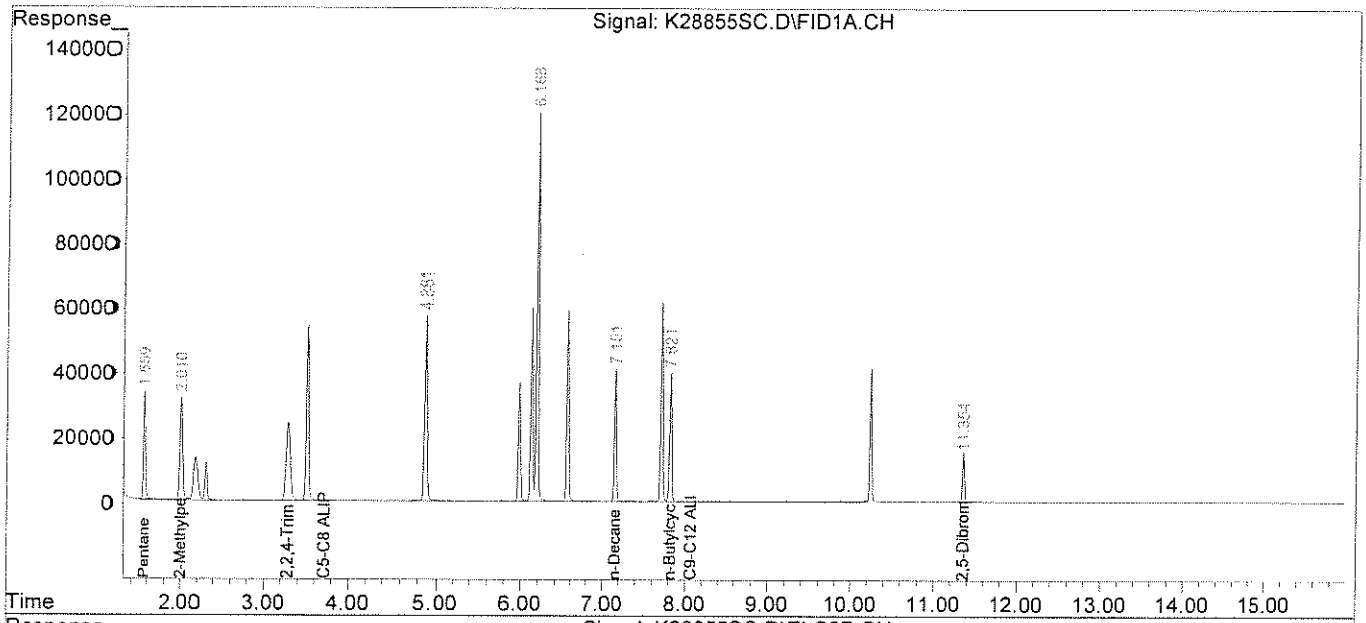
J91310

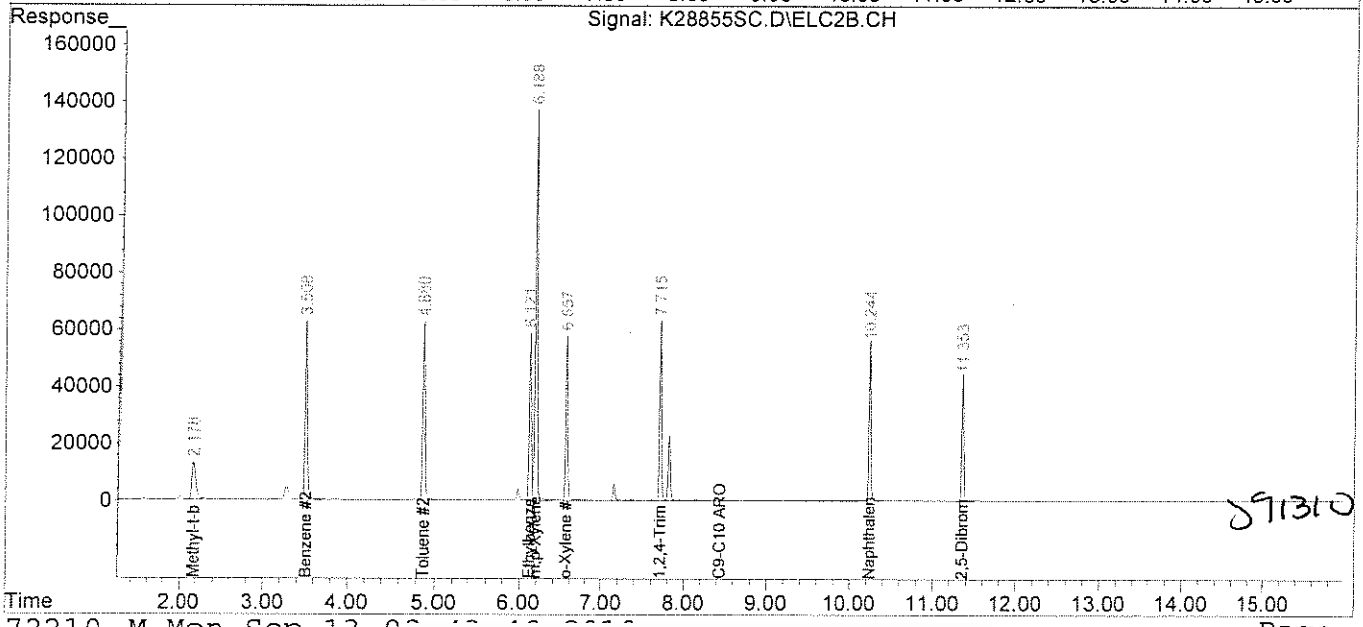
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091010-K\
Data File : K28855SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 10 Sep 2010 5:50 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 07:42:18 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





S71310

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28857SC.D

gg 9/13/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	99	1.0	
2-Methylpentane	100	0.4	
2,2,4-Trimethylpentane	118	18.3	
n-Decane	109	8.9	
n-Butylcyclohexane	103	2.9	
2,5-Dibromotoluene	81	19.0	
Methyl-t-butylether #2	95	4.8	
Benzene #2	103	3.1	
Toluene #2	103	3.5	
Ethylbenzene #2	100	0.4	
m,p-Xylene #2	207	3.6	
o-Xylene #2	98	2.3	
1,2,4-Trimethylbenzene #2	96	3.9	
Naphthalene #2	87	12.9	
2,5-Dibromotoluene #2	91	9.2	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 09.13.10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28857SC.D
Date Acquired 9/13/2010 9:07

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5582	1.5680	0.0098	0.0438	OK	99.00	1.00	OK
2-Methylpentane	2.0098	2.0150	0.0052	0.0447	OK	100.37	0.37	OK
2,2,4-Trimethylpentane	3.2793	3.2850	0.0057	0.0405	OK	118.30	18.30	OK
C5-C8 ALIPHATICS						317.67	5.89	OK
n-Decane	7.1511	7.1540	0.0029	0.0380	OK	108.89	8.89	OK
n-Butylcyclohexane	7.8207	7.8240	0.0033	0.0380	OK	102.91	2.91	OK
C9-C12 ALIPHATICS						211.79	5.90	OK
2,5-Dibromotoluene	11.3526	11.3580	0.0054	0.0380	OK	81.04	18.96	OK
PID								
Methyl-t-butylether #2	2.1775	2.1830	0.0055	0.0447	OK	95.18	4.82	OK
Benzene #2	3.5082	3.5120	0.0038	0.0380	OK	103.15	3.15	OK
Toluene #2	4.8800	4.8830	0.0031	0.0344	OK	103.47	3.47	OK
Ethylbenzene #2	6.1203	6.1240	0.0037	0.0344	OK	100.42	0.42	OK
m,p-Xylene #2	6.1870	6.1900	0.0031	0.0344	OK	207.11	3.55	OK
o-Xylene #2	6.5569	6.5610	0.0041	0.0344	OK	97.70	2.30	OK
1,2,4-Trimethylbenzene #2	7.7141	7.7180	0.0039	0.0344	OK	96.09	3.91	OK
C9-C10 AROMATICS #2						96.09	3.91	OK
Naphthalene #2	10.2427	10.2480	0.0053	0.0344	OK	87.10	12.90	OK
2,5-Dibromotoluene #2	11.3520	11.3570	0.0050	0.0344	OK	90.78	9.22	OK

SB 9/13/10

S91310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28857SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 9:07 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:02:23 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

System Monitoring Compounds

18) S	2,5-Dibro...	11.353	11.352	238378	716526	81.044	90.781

Spiked Amount 100.000 Range 70 - 130 Recovery = 81.04% 90.78%

Target Compounds

1)	Z	Pentane	1.558	1.558	692769	12099	99.004	NoCal #
2)	Z	2-Methylp...	2.010	2.009	821512	36304	100.371	NoCal #
3)	TM	Methyl-t-...	2.178	2.177	413111	443864	NoCal	95.178 #
4)	Z	2,2,4-Tri...	3.279	3.279	912891	200841	118.297	NoCal #
5)	TM	Benzene	3.509	3.508	1069032	1342175	NoCal	103.147 #
6)	TM	Toluene	4.880	4.880	1063270	1233956	NoCal	103.471 #
7)	XH	C5-C8 ALI...	3.717	0.000	5369030	0	733.009	N.D. #
9)	TM	Ethylbenzene	6.121	6.120	1049395	1097182	NoCal	100.417 #
10)	TM	m,p-Xylene	6.187	6.187	2131548	2598385	NoCal	207.107 #
11)	TM	o-Xylene	6.557	6.557	1051271	1092896	NoCal	97.701 #
12)	Z	n-Decane	7.151	7.151	750960	122250	108.888	NoCal #
13)	Z	n-Butylcy...	7.821	7.820	757519	466762	102.905	NoCal #
14)	XH	C9-C12 AL...	8.070	0.000	7566153	0	1061.321	N.D. #
15)	ZM	1,2,4-Tri...	7.715	7.714	1027899	1133423	NoCal	96.085 #
16)	XH	C9-C10 AR...	10.410	8.424	96	1823424	NoCal	154.580 #
17)	TM	Naphthalene	10.243	10.243	603589	887724	NoCal	87.097 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

591310

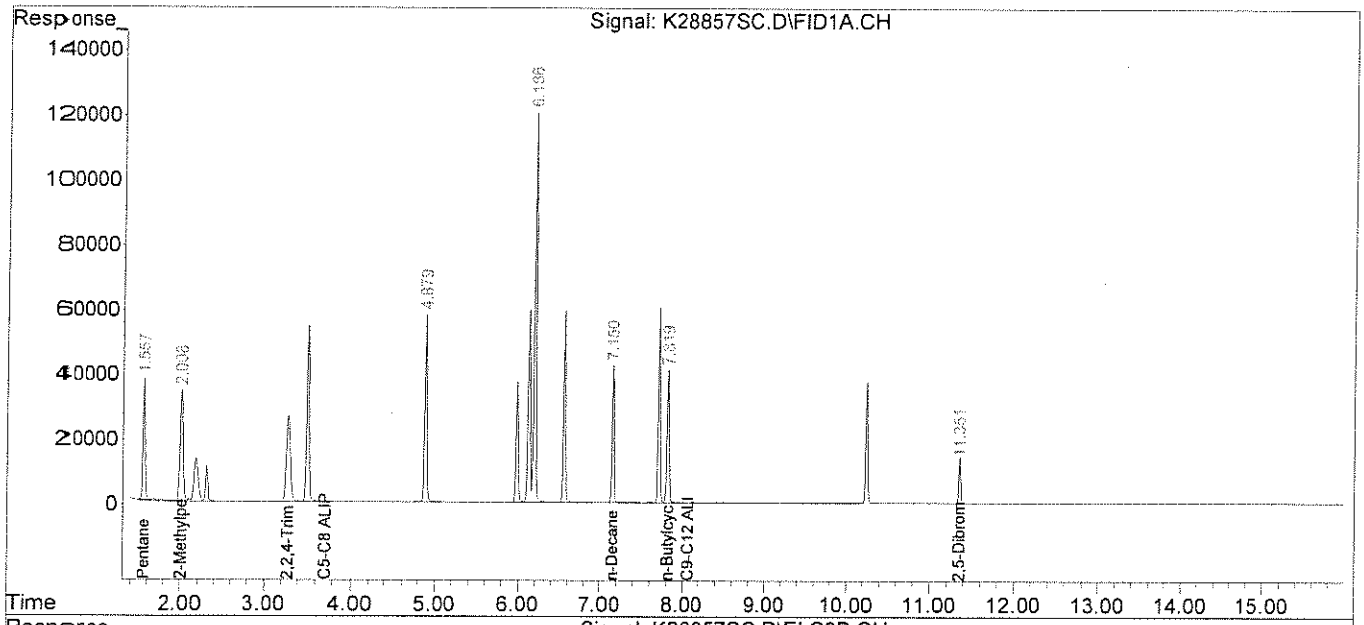
Quantitation Report (Not Reviewed)

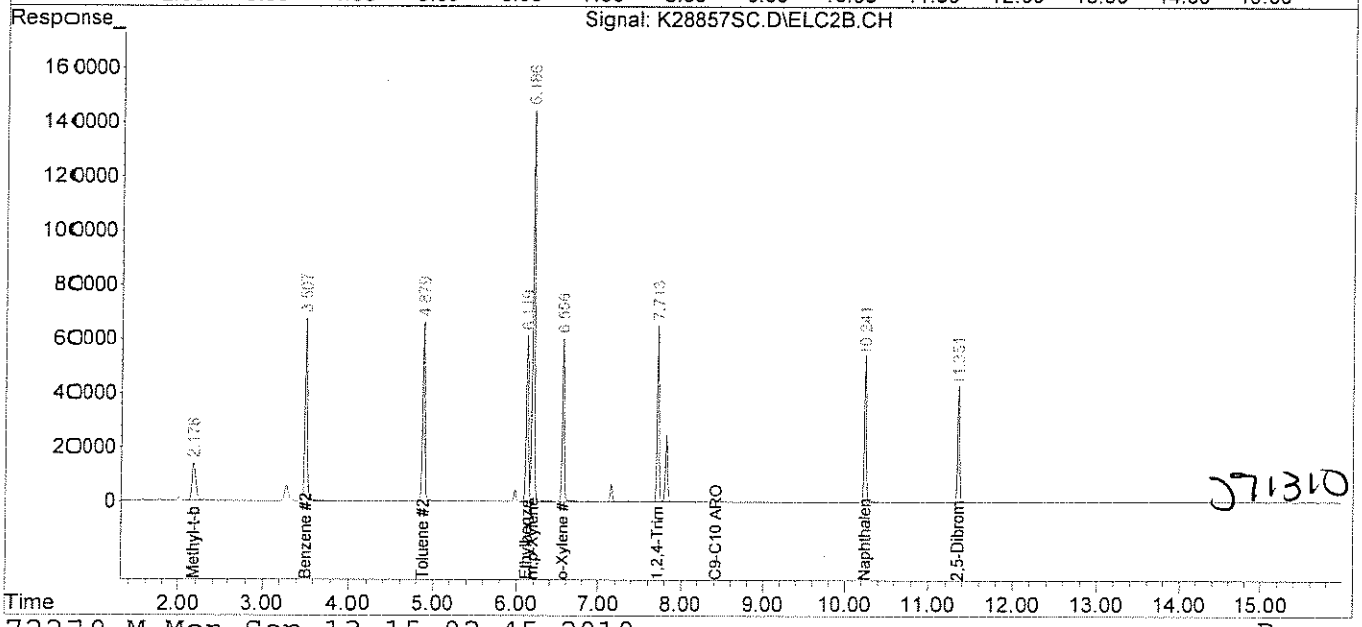
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28857SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 9:07 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:02:23 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J71310

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28867SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	100	0.1	
2-Methylpentane	101	0.8	
2,2,4-Trimethylpentane	112	12.2	
n-Decane	111	11.1	
n-Butylcyclohexane	107	6.7	
2,5-Dibromotoluene	91	8.8	
Methyl-t-butylether #2	92	8.2	
Benzene #2	100	0.5	
Toluene #2	101	0.9	
Ethylbenzene #2	98	1.8	
m,p-Xylene #2	202	1.0	
o-Xylene #2	96	4.1	
1,2,4-Trimethylbenzene #2	94	5.7	
Naphthalene #2	90	10.1	
2,5-Dibromotoluene #2	97	2.7	

88 9/13/10

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 091310

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28867SC.D
Date Acquired 9/13/2010 13:55

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5607	1.5680	0.0073	0.0438	OK	99.94	0.06	OK
2-Methylpentane	2.0110	2.0150	0.0040	0.0447	OK	100.80	0.80	OK
2,2,4-Trimethylpentane	3.2814	3.2850	0.0036	0.0405	OK	112.22	12.22	OK
C5-C8 ALIPHATICS						312.97	4.32	OK
n-Decane	7.1525	7.1540	0.0015	0.0380	OK	111.06	11.06	OK
n-Butylcyclohexane	7.8218	7.8240	0.0022	0.0380	OK	106.66	6.66	OK
C9-C12 ALIPHATICS						217.72	8.86	OK
2,5-Dibromotoluene	11.3541	11.3580	0.0039	0.0380	OK	91.17	8.83	OK
PID								
Methyl-t-butylether #2	2.1787	2.1830	0.0043	0.0447	OK	91.78	8.22	OK
Benzene #2	3.5092	3.5120	0.0028	0.0380	OK	99.50	0.50	OK
Toluene #2	4.8812	4.8830	0.0019	0.0344	OK	100.86	0.86	OK
Ethylbenzene #2	6.1215	6.1240	0.0025	0.0344	OK	98.16	1.84	OK
m,p-Xylene #2	6.1884	6.1900	0.0016	0.0344	OK	202.04	1.02	OK
o-Xylene #2	6.5582	6.5610	0.0028	0.0344	OK	95.93	4.07	OK
1,2,4-Trimethylbenzene #2	7.7154	7.7180	0.0026	0.0344	OK	94.35	5.65	OK
C9-C10 AROMATICS #2						94.35	5.65	OK
Naphthalene #2	10.2443	10.2480	0.0037	0.0344	OK	89.86	10.14	OK
2,5-Dibromotoluene #2	11.3536	11.3570	0.0034	0.0344	OK	97.25	2.75	OK

gs 9/13/10

J9/1340

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28867SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:55 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 14:17:48 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.354	268151	767593	91.166	97.251	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 91.17% 97.25%							
		Target Compounds							
1)	Z	Pentane	1.561	1.561	699346	9076	99.944	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	825004	29346	100.797	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	416574	428020	NoCal	91.781	#
4)	Z	2,2,4-Tri...	3.281	3.281	866026	177407	112.224	NoCal	#
5)	TM	Benzene	3.510	3.509	1074096	1294757	NoCal	99.503	#
6)	TM	Toluene	4.882	4.881	1070375	1202831	NoCal	100.861	#
7)	XH	C5-C8 ALI...	3.717	0.000	5269885	0	719.473	N.D.	#
9)	TM	Ethylbenzene	6.122	6.122	1060610	1072493	NoCal	98.157	#
10)	TM	m,p-Xylene	6.189	6.188	2154134	2534779	NoCal	202.037	#
11)	TM	o-Xylene	6.559	6.558	1065078	1073106	NoCal	95.932	#
12)	Z	n-Decane	7.153	7.152	765923	112305	111.057	NoCal	#
13)	Z	n-Butylcy...	7.822	7.821	785197	462883	106.665	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7722283	0	1083.222	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.715	1047129	1112927	NoCal	94.348	#
16)	XH	C9-C10 AR...	10.410	8.424	10	1793716	NoCal	152.062	#
17)	TM	Naphthalene	10.245	10.244	647367	915908	NoCal	89.862	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

091310

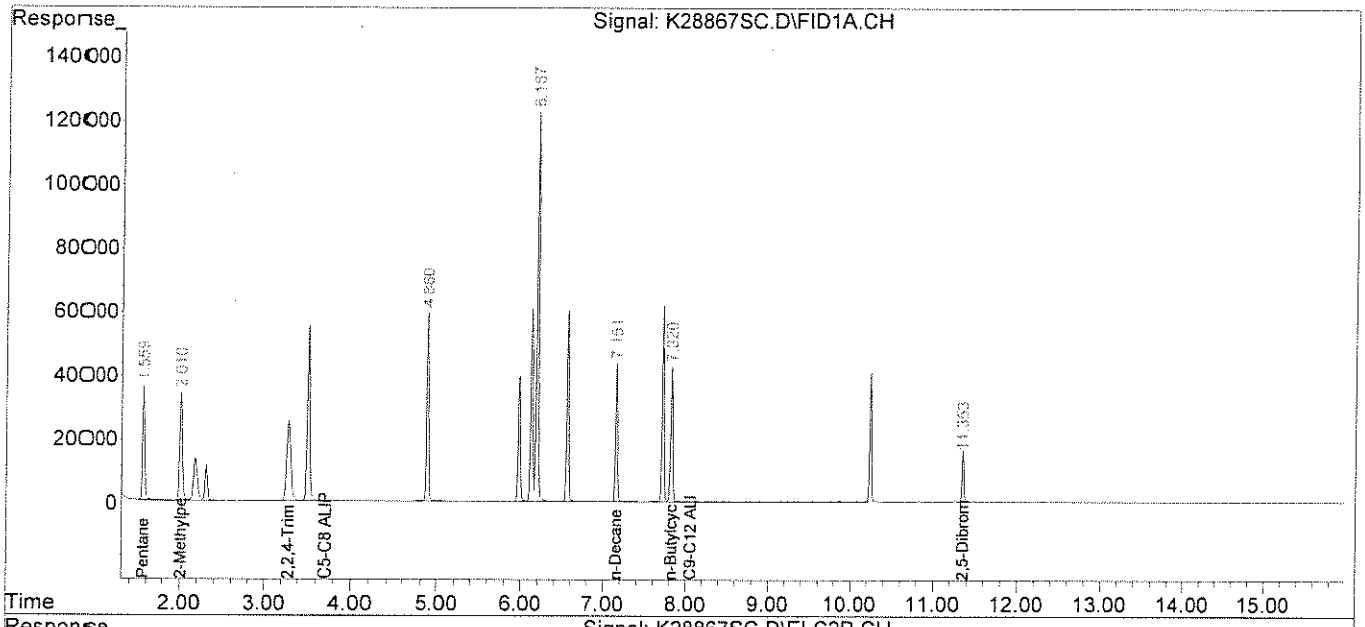
Quantitation Report (Not Reviewed)

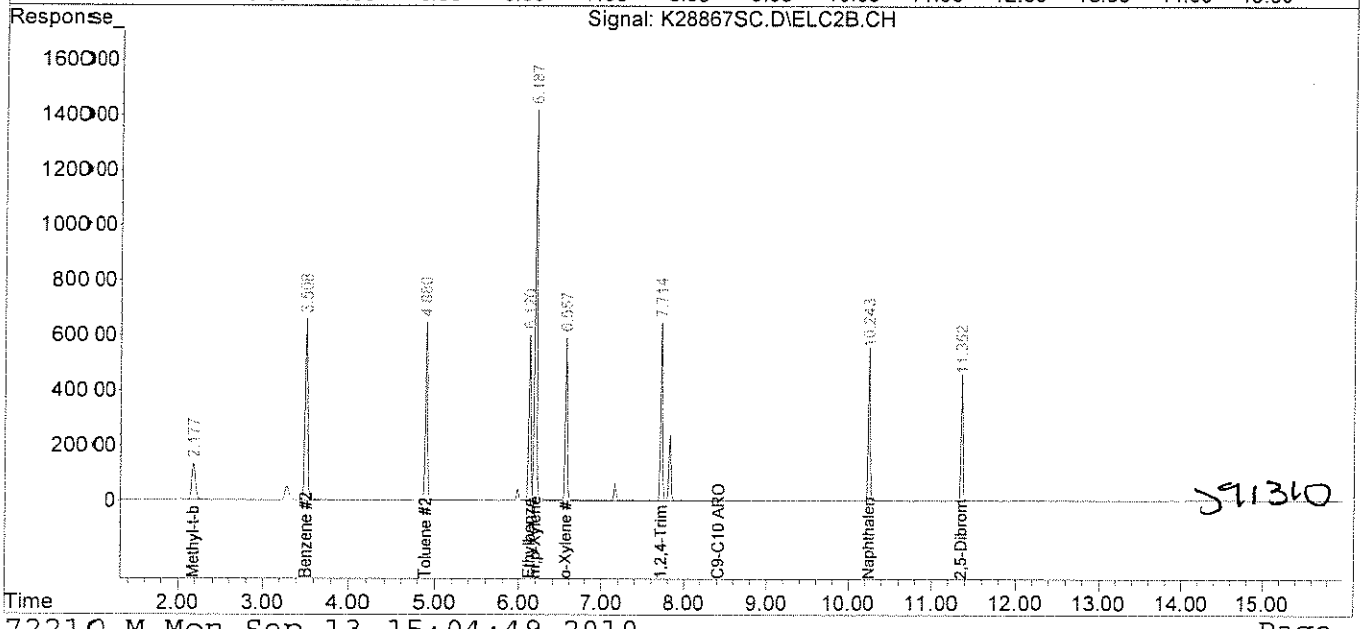
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28867SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:55 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 14:17:48 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





S91310

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28882SC.D

38 9/14/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	95	5.1	
2-Methylpentane	95	4.7	
2,2,4-Trimethylpentane	110	10.1	
n-Decane	105	5.3	
n-Butylcyclohexane	100	0.4	
2,5-Dibromotoluene	88	11.9	
Methyl-t-butylether #2	92	8.1	
Benzene #2	99	0.9	
Toluene #2	100	0.2	
Ethylbenzene #2	97	2.6	
m,p-Xylene #2	200	0.1	
o-Xylene #2	95	5.4	
1,2,4-Trimethylbenzene #2	94	6.5	
Naphthalene #2	89	11.0	
2,5-Dibromotoluene #2	95	4.6	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28882SC.D
Date Acquired 9/13/2010 20:28

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5602	1.5680	0.0078	0.0438	OK	94.91	5.09	OK
2-Methylpentane	2.0110	2.0150	0.0040	0.0447	OK	95.32	4.68	OK
2,2,4-Trimethylpentane	3.2815	3.2850	0.0035	0.0405	OK	110.13	10.13	OK
C5-C8 ALIPHATICS						300.35	0.12	OK
n-Decane	7.1525	7.1540	0.0015	0.0380	OK	105.28	5.28	OK
n-Butylcyclohexane	7.8221	7.8240	0.0019	0.0380	OK	100.36	0.36	OK
C9-C12 ALIPHATICS						205.64	2.82	OK
2,5-Dibromotoluene	11.3543	11.3580	0.0037	0.0380	OK	88.12	11.88	OK
PID								
Methyl-t-butylether #2	2.1789	2.1830	0.0041	0.0447	OK	91.92	8.08	OK
Benzene #2	3.5095	3.5120	0.0025	0.0380	OK	99.13	0.87	OK
Toluene #2	4.8811	4.8830	0.0019	0.0344	OK	100.22	0.22	OK
Ethylbenzene #2	6.1216	6.1240	0.0024	0.0344	OK	97.41	2.59	OK
m,p-Xylene #2	6.1883	6.1900	0.0017	0.0344	OK	200.26	0.13	OK
o-Xylene #2	6.5581	6.5610	0.0029	0.0344	OK	94.61	5.39	OK
1,2,4-Trimethylbenzene #2	7.7155	7.7180	0.0025	0.0344	OK	93.51	6.49	OK
C9-C10 AROMATICS #2						93.51	6.49	OK
Naphthalene #2	10.2444	10.2480	0.0036	0.0344	OK	89.02	10.98	OK
2,5-Dibromotoluene #2	11.3537	11.3570	0.0033	0.0344	OK	95.42	4.58	OK

88 9/14/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28882SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 8:28 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 07:48:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 9/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
18) S 2,5-Dibro...	11.354	11.354	259198	753136	88.123	95.419
Spiked Amount	100.000	Range	70 - 130	Recovery	=	88.12% 95.42%
Target Compounds						
1) Z Pentane	1.560	1.560	664118	8658	94.909	NoCal #
2) Z 2-Methylp...	2.011	2.011	780145	26716	95.317	NoCal #
3) TM Methyl-t-...	2.179	2.179	419454	428655	NoCal	91.917 #
4) Z 2,2,4-Tri...	3.281	3.281	849829	173190	110.126	NoCal #
5) TM Benzene	3.510	3.509	1072254	1289866	NoCal	99.127 #
6) TM Toluene	4.882	4.881	1064158	1195213	NoCal	100.223 #
7) XH C5-C8 ALI...	3.717	0.000	5173380	0	706.298	N.D. #
9) TM Ethylbenzene	6.122	6.122	1055510	1064335	NoCal	97.410 #
10) TM m,p-Xylene	6.189	6.188	2142894	2512449	NoCal	200.257 #
11) TM o-Xylene	6.559	6.558	1062357	1058351	NoCal	94.613 #
12) Z n-Decane	7.152	7.152	726073	105170	105.279	NoCal #
13) Z n-Butylcy...	7.822	7.822	738766	434709	100.357	NoCal #
14) XH C9-C12 AL...	8.070	0.000	7517977	0	1054.564	N.D. #
15) ZM 1,2,4-Tri...	7.716	7.715	1041518	1102998	NoCal	93.506 #
16) XH C9-C10 AR...	10.410	8.424	36	1733459	NoCal	146.953 #
17) TM Naphthalene	10.245	10.244	642388	907318	NoCal	89.019 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

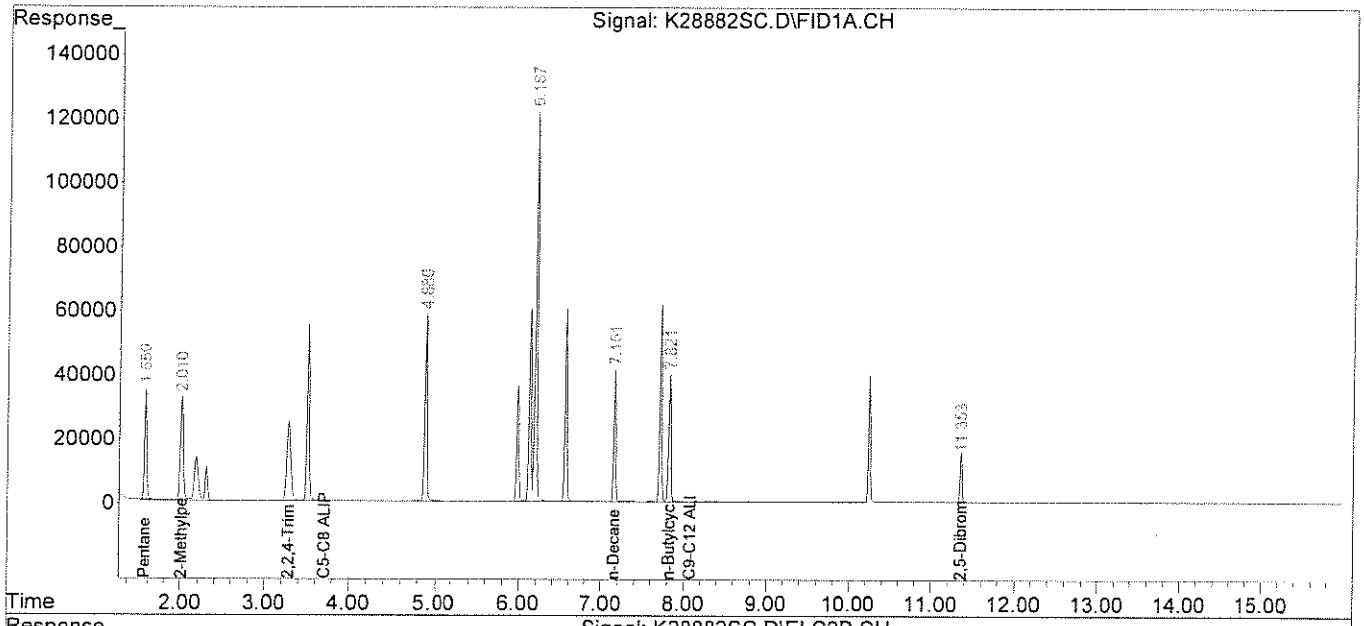
Quantitation Report (Not Reviewed)

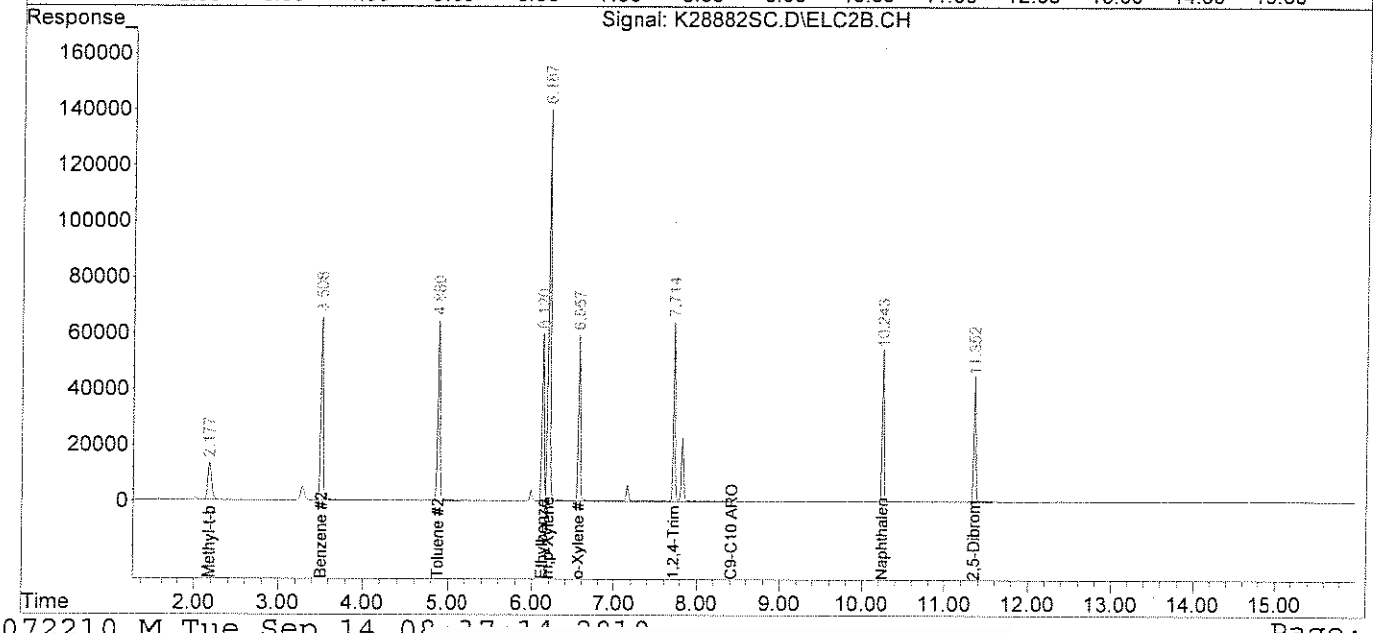
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28882SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 8:28 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 07:48:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JS 9/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28883SC.D

88 9/14/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	94	6.0	
2-Methylpentane	94	6.0	
2,2,4-Trimethylpentane	108	7.8	
n-Decane	106	6.4	
n-Butylcyclohexane	101	1.2	
2,5-Dibromotoluene	95	5.4	
Methyl-t-butylether #2	91	9.3	
Benzene #2	98	2.2	
Toluene #2	99	1.4	
Ethylbenzene #2	96	3.9	
m,p-Xylene #2	198	1.0	
o-Xylene #2	93	6.6	
1,2,4-Trimethylbenzene #2	93	7.2	
Naphthalene #2	88	11.5	
2,5-Dibromotoluene #2	96	3.8	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28883SC.D
Date Acquired 9/13/2010 20:53

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5605	1.5680	0.0075	0.0438	OK	94.04	5.96	OK
2-Methylpentane	2.0110	2.0150	0.0040	0.0447	OK	93.98	6.02	OK
2,2,4-Trimethylpentane	3.2816	3.2850	0.0034	0.0405	OK	107.83	7.83	OK
C5-C8 ALIPHATICS						295.85	1.38	OK
n-Decane	7.1525	7.1540	0.0015	0.0380	OK	106.40	6.40	OK
n-Butylcyclohexane	7.8220	7.8240	0.0020	0.0380	OK	101.16	1.16	OK
C9-C12 ALIPHATICS						207.56	3.78	OK
2,5-Dibromotoluene	11.3544	11.3580	0.0036	0.0380	OK	94.64	5.36	OK
PID								
Methyl-t-butylether #2	2.1788	2.1830	0.0042	0.0447	OK	90.68	9.32	OK
Benzene #2	3.5094	3.5120	0.0027	0.0380	OK	97.84	2.16	OK
Toluene #2	4.8813	4.8830	0.0017	0.0344	OK	98.59	1.41	OK
Ethylbenzene #2	6.1217	6.1240	0.0023	0.0344	OK	96.12	3.88	OK
m,p-Xylene #2	6.1883	6.1900	0.0017	0.0344	OK	197.91	1.05	OK
o-Xylene #2	6.5582	6.5610	0.0028	0.0344	OK	93.42	6.58	OK
1,2,4-Trimethylbenzene #2	7.7152	7.7180	0.0028	0.0344	OK	92.79	7.21	OK
C9-C10 AROMATICS #2						92.79	7.21	OK
Naphthalene #2	10.2446	10.2480	0.0034	0.0344	OK	88.48	11.52	OK
2,5-Dibromotoluene #2	11.3538	11.3570	0.0032	0.0344	OK	96.18	3.82	OK

9/14/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28883SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 8:53 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 08:37:21 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	278373	759107	94.642	96.176	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	94.64%	96.18%
	Target Compounds							
1) Z	Pentane	1.560	1.561	658052	8167	94.042	NoCal	#
2) Z	2-Methylp...	2.011	2.011	769196	27550	93.979	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	411090	422910	NoCal	90.685	#
4) Z	2,2,4-Tri...	3.282	3.281	832136	170345	107.833	NoCal	#
5) TM	Benzene	3.510	3.509	1060250	1273057	NoCal	97.835	#
6) TM	Toluene	4.882	4.881	1053505	1175751	NoCal	98.591	#
7) XH	C5-C8 ALI...	3.717	0.000	5104510	0	696.895	N.D.	#
9) TM	Ethylbenzene	6.122	6.122	1045055	1050283	NoCal	96.124	#
10) TM	m,p-Xylene	6.189	6.188	2126797	2482946	NoCal	197.906	#
11) TM	o-Xylene	6.559	6.558	1062354	1045008	NoCal	93.420	#
12) Z	n-Decane	7.152	7.152	733803	105288	106.400	NoCal	#
13) Z	n-Butylcy...	7.822	7.822	744668	433208	101.159	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	7443823	0	1044.162	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	1039366	1094541	NoCal	92.789	#
16) XH	C9-C10 AR...	10.410	8.424	29	1718781	NoCal	145.709	#
17) TM	Naphthalene	10.245	10.245	653898	901772	NoCal	88.475	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

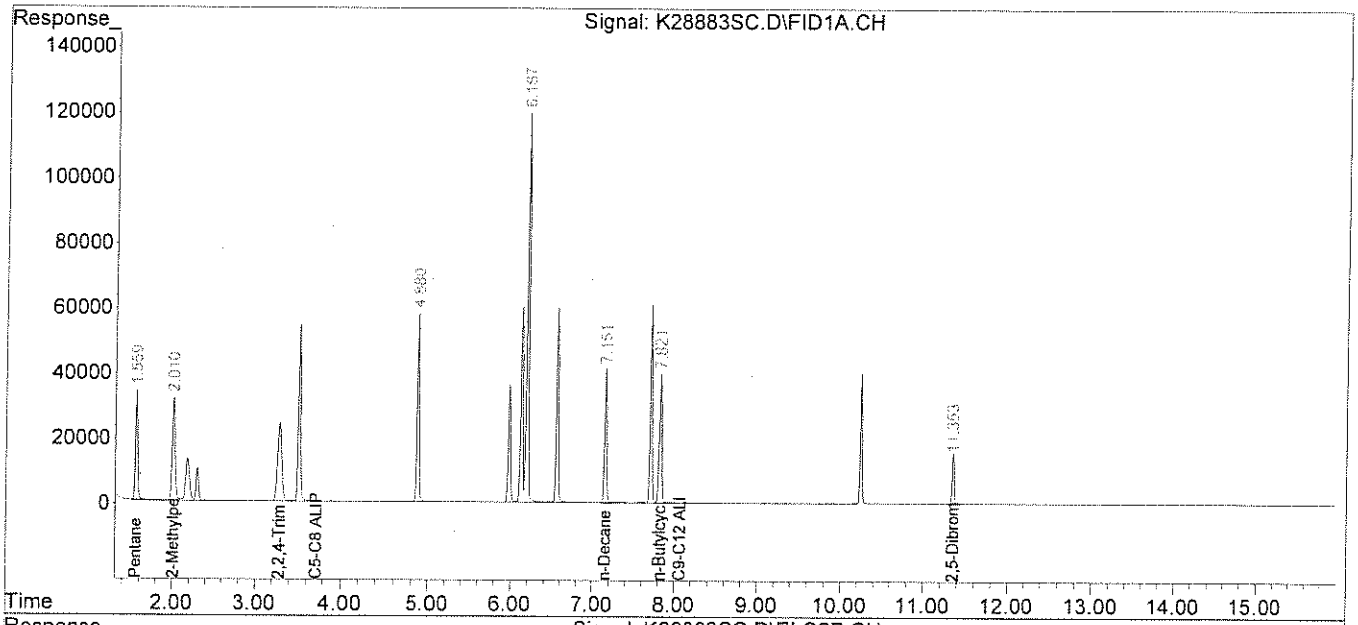
Quantitation Report (Not Reviewed)

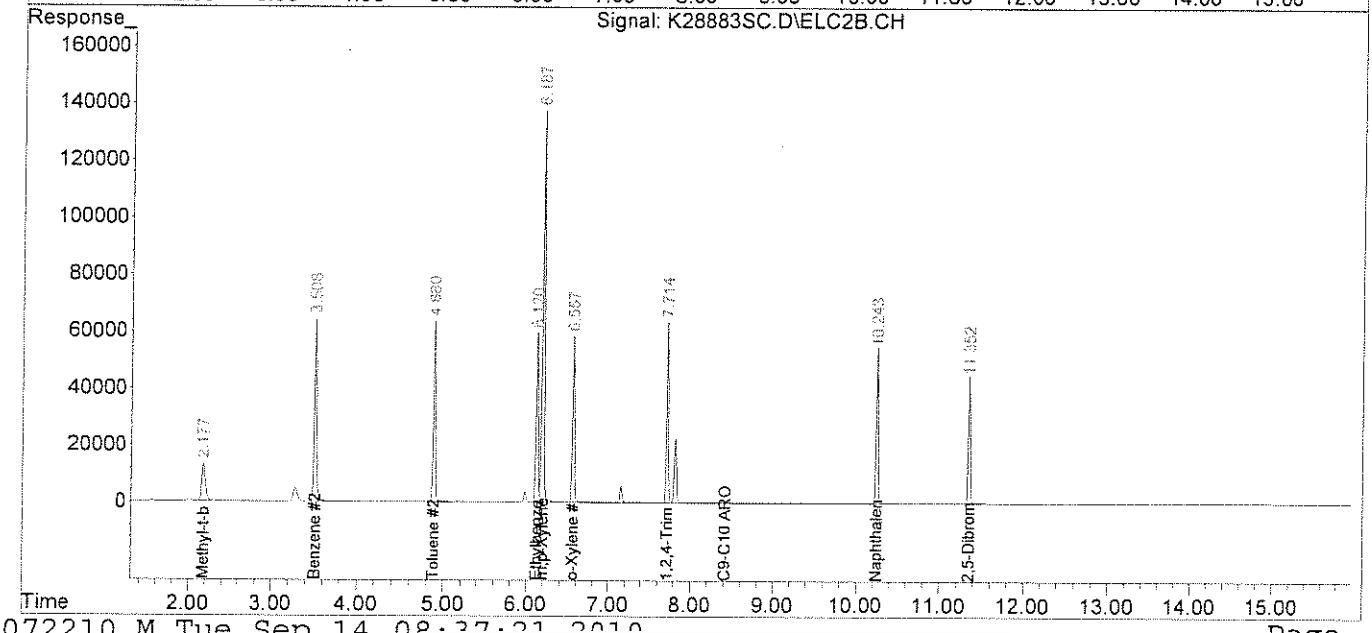
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28883SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 8:53 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 08:37:21 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67722

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K28842SC.D	9/10/2010 10:11	11.356		11.356	
Upper Limit			11.386		11.386	
Lower limit			11.326		11.326	
SAMPLE ID						
LSV091010K	K28843Q.D	9/10/2010 11:03	11.356		11.356	
LSV091010K2	K28844Q.D	9/10/2010 11:27	11.356		11.355	
MBV091010K	K28846B.D	9/10/2010 12:25	11.355		11.354	
67722-1,10X	K28847.D	9/10/2010 13:45	11.355		11.355	
67722-2,10X	K28848.D	9/10/2010 14:10	11.353		11.353	
67722-3,10X	K28849.D	9/10/2010 14:34	11.349		11.352	
67722-4,10X	K28850.D	9/10/2010 14:59	11.350		11.352	
67722-2,20X	K28851.D	9/10/2010 16:12	11.352		11.352	
67722-3,20X	K28852.D	9/10/2010 16:36	11.347		11.351	
67722-4,50X	K28853.D	9/10/2010 17:01	11.349		11.351	
VPH 100 UG/L	K28854SC.D	9/10/2010 17:26	11.356		11.355	
VPH 100 UG/L	K28855SC.D	9/10/2010 17:50	11.355		11.355	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67722

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K28857SC.D	9/13/2010 9:07	11.353		11.352	
Upper Limit			11.383		11.382	
Lower limit			11.323		11.322	
SAMPLE ID						
LSV091310K	K28858Q.D	9/13/2010 9:47	11.354		11.354	
LSV091310K2	K28859Q.D	9/13/2010 10:11	11.354		11.353	
MBV091310K	K28861B.D	9/13/2010 11:08	11.354		11.353	
67722-5	K28862.D	9/13/2010 11:50	11.354		11.353	
67722-1,10X	K28863.D	9/13/2010 12:14	11.352		11.351	
67722-3,50X	K28865.D	9/13/2010 13:06	11.347		11.350	
VPH 100 UG/L	K28867SC.D	9/13/2010 13:55	11.354		11.354	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

EPH
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 30, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B090910EASE
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/09/10
Analysis Date: 09/11/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				69
Aromatic Surrogate % Recovery (O-Terphenyl)				83
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				76
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				67
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE:

EPH SOIL REPORT

Sample Name: B090910EASE

Dilution Factors	ARO	1.00		ALI	1.00
		ug/kg	RESULTS QUALIFIER	RL	
Unadjusted C11-C22 Aromatics		U		26667	
Naphthalene		U		267	
2-Methylnaphthalene		U		267	
Phenanthrene		U		267	
Acenaphthene		U		267	
Acenaphthylene		U		267	
Fluorene		U		267	
Anthracene		U		267	
Fluoranthene		U		267	
Pyrene		U		267	
Benzo[a]anthracene		U		267	
Chrysene		U		267	
Benzo[b] fluoranthene		U		267	
Benzo[k] fluoranthene		U		267	
Benzo[a] pyrene		U		267	
Indeno [1,2,3-cd] pyrene		U		267	
Dibenz [a,h] anthracene		U		267	
Benzo(g,h,i) perylene		U		267	
C9-C18 Aliphatics		U		26667	
C19-C36 Aliphatics		U		26667	
C11-C22 Aromatics		U		26667	
1-Chlorooctadecane (Ali)		69%		40-140%	PASS
o-terphenyl (Aro)		83%		40-140%	PASS
2-Fluorobiphenyl (Fraction)		76%		40-140%	PASS
2-Bromonaphthalene (Fraction)		67%		40-140%	PASS

PM 9/12/10

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	D71589B.D	---------
Date Acquired	9/11/2010 12:13	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	15.00	15.00
% Solid (divided by 100)	1.0000	1.0000
Final Volume (mL)	2.0	2.0
Dilution (1:X)	1	1
Calculation Factor	133.3333	133.3333

RAW DATA AROMATICS	Raw Inst. Amount ug/mL	J Flag Inst MDL	Final Inst Amount	Calculated Sample Amt ug/kg	Calibration Fit
Naphthalene	0.00	1.00	0.00	0	Avg RF
2-Methylnaphthalene	0.00	1.00	0.00	0	Avg RF
Acenaphthylene	0.00	1.00	0.00	0	Avg RF
Acenaphthene	0.00	1.00	0.00	0	Avg RF
Fluorene	0.00	1.00	0.00	0	Avg RF
Phenanthrene	0.00	1.00	0.00	0	Avg RF
Anthracene	0.00	1.00	0.00	0	Avg RF
Fluoranthene	0.00	1.00	0.00	0	Avg RF
Pyrene	0.00	1.00	0.00	0	Avg RF
Benzo[a]anthracene	0.00	1.00	0.00	0	Avg RF
Chrysene	0.00	1.00	0.00	0	Avg RF
Benzo[b] fluoranthene	0.00	1.00	0.00	0	Quadratic
Benzo[k] fluoranthene	0.00	1.00	0.00	0	Avg RF
Benzo[a] pyrene	0.00	1.00	0.00	0	Quadratic
Indeno [1,2,3-cd] pyrene	0.00	1.00	0.00	0	Quadratic
Dibenz [a,h] anthracene	0.00	1.00	0.00	0	Quadratic
Benzo(g,h,i) perylene	0.00	1.00	0.00	0	Quadratic

C11-C22	65.222	C11-C22	-1952
ARO Hexane Blank	79.865		
Adjusted C11-C22		Adj C11-C22	-1952

ALIPHATICS

C9-C18	33.526	C9-C18	773
C9-C18 Hexane Blank	27.725		
C19-C36	38.111	C19-C36	351
C19-C36 Hexane Blank	35.482		

Surrogates

1-Chlorooctadecane (Ali)	13.763	69%
2-Fluorobiphenyl (Fraction)	15.19	76%
2-Bromonaphthalene (Fraction)	13.44	67%
o-terphenyl (Aro)	16.60	83%

D91310
SUL 9/30/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71589B.D Vial: 8
Acq On : 11 Sep 2010 12:13 am Operator: AR
Sample : B090910EASE Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
'S Integration Params: RTEINT.P
Quant Time: Sep 12 11:59 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

PM 9/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	30441	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.59	172	122324	15.19 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 75.95%		
10) 2-Bromonaphthalene	8.26	206	44831	13.44 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 67.20%		
11) o-terphenyl	10.11	230	78296	16.60 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 83.00%		

Target Compounds Qvalue

091310

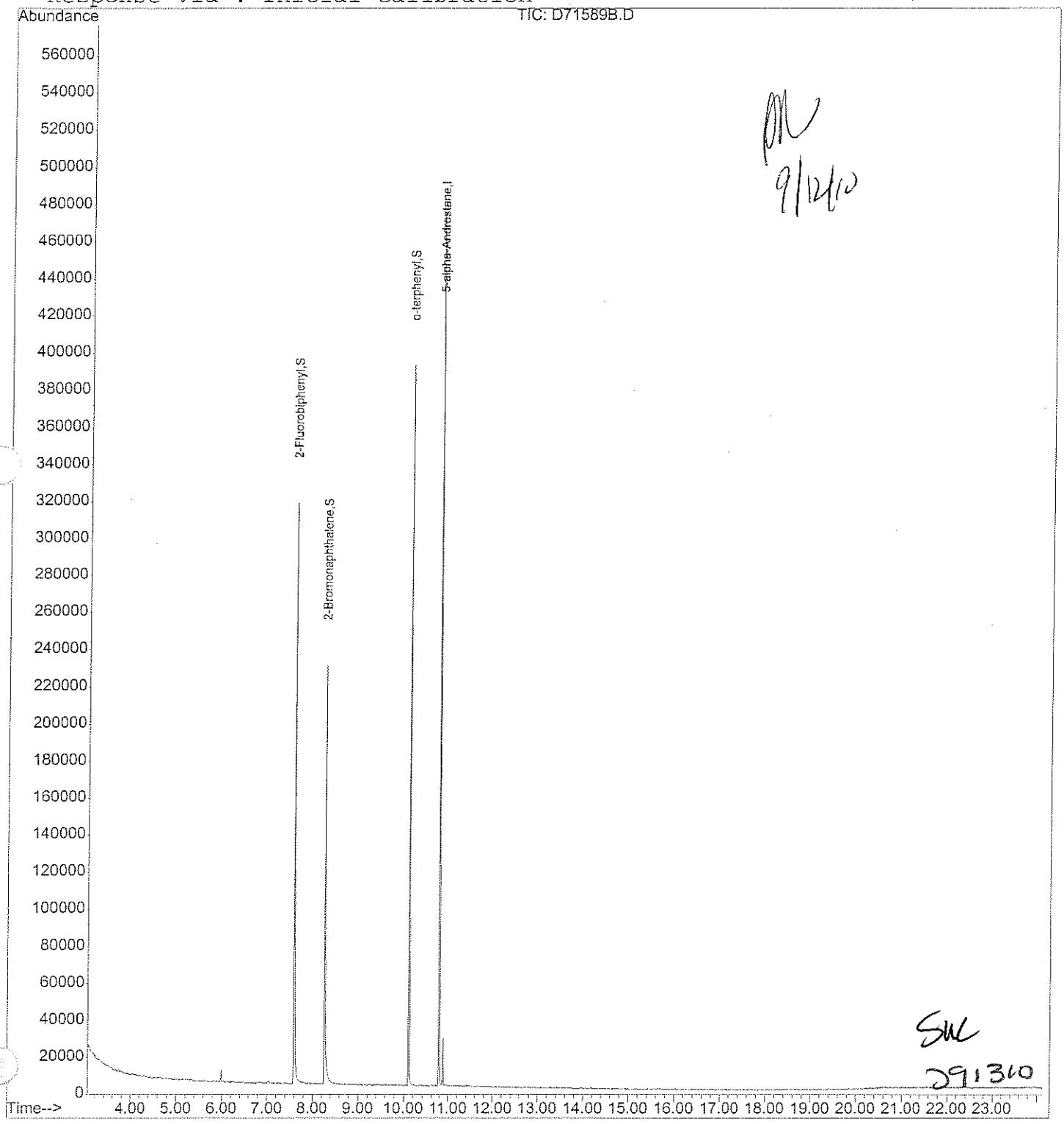
SUL 9/30/10

(#) = qualifier out of range (m) = manual integration
D71589B.D ARM80410.M Sun Sep 12 11:59:50 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71589B.D Vial: 8
Acq On : 11 Sep 2010 12:13 am Operator: AR
Sample : B090910EASE Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 11:59 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



PM 9/12/10

SWL 291310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71589B.D Vial: 8
Acq On : 11 Sep 2010 12:13 am Operator: AR
Sample : B090910EASE Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 12:02 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV 9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5713319	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	4082881	14.483 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	72.42%
10) S 2-Bromonaphthalene	8.27	3073348	15.679 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	78.40%
11) S o-terphenyl	10.11	4249922	15.885 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.42%
Target Compounds			
2) TZ Naphthalene	6.54	6377	<MDL ug/ml
3) TZ 2-Methylnaphthalene	7.25	8655	<MDL ug/ml
4) TZ Acenaphthylene	8.18	10466	<MDL ug/ml
5) TZ Acenaphthene	8.27	3073348	9.183 ug/ml
6) TZ Fluorene	8.81	7687	<MDL ug/ml
7) TZ Phenanthrene	9.77	4275	<MDL ug/ml
8) TZ Anthracene	9.84	19311	<MDL ug/ml
12) TZ Fluoranthene	11.08	8102	<MDL ug/ml
13) TZ Pyrene	11.37	15552	<MDL ug/ml
14) TZ Benzo[a]anthracene	13.57	10372	1.229 ug/ml
15) TZ Chrysene	13.61	14180	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	15.85	17463	1.315 ug/ml
17) TZ Benzo[k] fluoranthene	15.94	11900	<MDL ug/ml
18) TZ Benzo[a] pyrene	16.54	5138	1.024 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.83	13422	2.072 ug/ml
20) TZ Dibenz [a,h] anthracene	18.89	15283	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	19.34	3658	<MDL ug/ml
22) XH c11-c22	11.73	16238582	65.222 ug/ml

79.865

091310

(f)=RT Delta > 1/2 Window (m)=manual int.

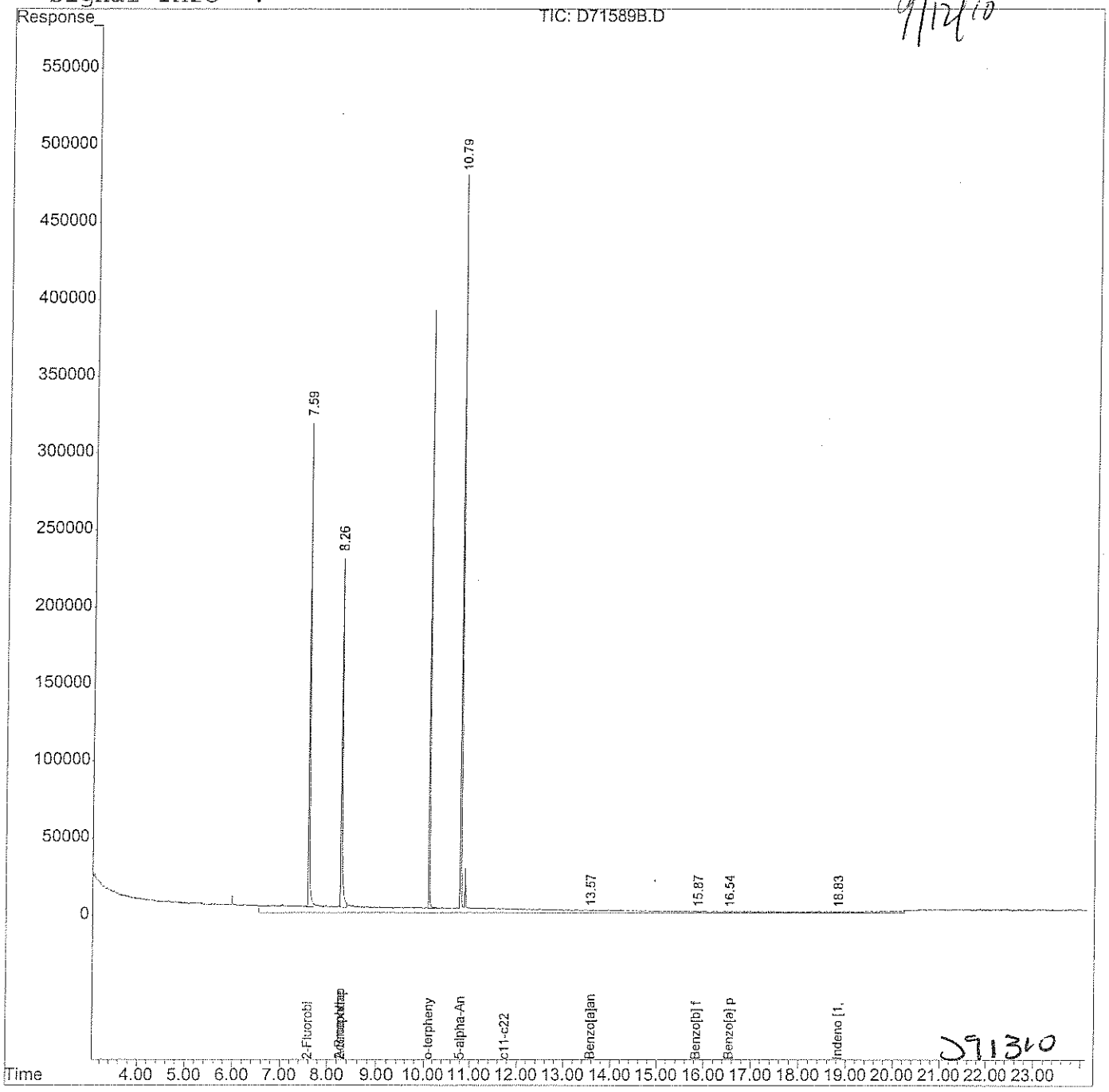
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71589B.D Vial: 8
Acq On : 11 Sep 2010 12:13 am Operator: AR
Sample : B090910EASE Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 12:02 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



D91310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71586B.D Vial: 5
Acq On : 10 Sep 2010 10:43 pm Operator: AR
Sample : B090910EASE Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:52 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

MR 9/12/10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5519857	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.89	4662106	13.763 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	68.81%
Target Compounds			
2) TZM C-9	4.01	3741	<MDL ug/ml
3) TZM C-10	4.99	15827	<MDL ug/ml
4) TZM C-12	6.50	17103	<MDL ug/ml
5) TZM C-14	7.69	18860	<MDL ug/ml
6) TZM C-16	8.64	8160	<MDL ug/ml
7) TZM C-18	9.62	38771	<MDL ug/ml
8) XH C9-C18	7.38	12288026	33.526 ug/ml
9) TZM C-19	10.02	22086	<MDL ug/ml
10) TZM C-20	10.43	10840	<MDL ug/ml
12) TZM C-22	11.43	17447	<MDL ug/ml
13) TZM C-24	12.71	14723	<MDL ug/ml
14) TZM C-26	14.19	19756	<MDL ug/ml
15) TZM C-28	15.71	14208	<MDL ug/ml
16) TZM C-30	17.27f	15991	<MDL ug/ml
17) TZM C-36	21.24	18011	4.135 ug/ml
18) XH C19-C36	11.90	11589966	38.111 ug/ml

27.725/35.482

D91310

(f)=RT Delta > 1/2 Window (m)=manual int.

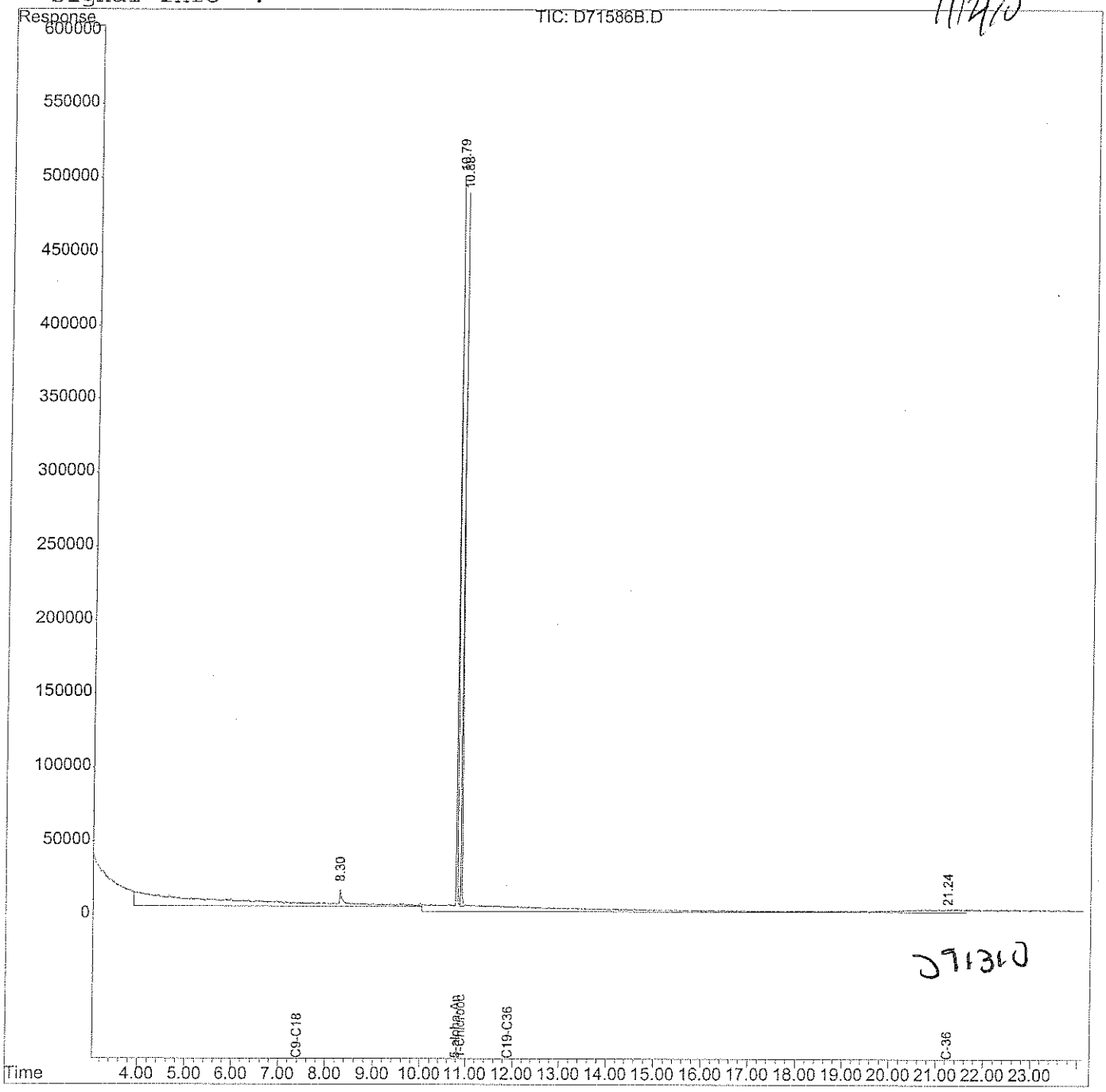
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71586B.D Vial: 5
Acq On : 10 Sep 2010 10:43 pm Operator: AR
Sample : B090910EASE Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:52 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV
9/12/10



D71310

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 30, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B090910EASE RR
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/09/10
Analysis Date: 09/11/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				91
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				83
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				74
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE:

EPH SOIL REPORT

Sample Name: B090910EASE,,RR

Dilution Factors	ARO	1.00		ALI	1.00
		ug/kg	RESULTS QUALIFIER	RL	
Unadjusted C11-C22 Aromatics		U		26667	
Naphthalene		U		267	
2-Methylnaphthalene		U		267	
Phenanthrene		U		267	
Acenaphthene		U		267	
Acenaphthylene		U		267	
Fluorene		U		267	
Anthracene		U		267	
Fluoranthene		U		267	
Pyrene		U		267	
Benzo[a]anthracene		U		267	
Chrysene		U		267	
Benzo[b] fluoranthene		U		267	
Benzo[k] fluoranthene		U		267	
Benzo[a] pyrene		U		267	
Indeno [1,2,3-cd] pyrene		U		267	
Dibenz [a,h] anthracene		U		267	
Benzo(g,h,i) perylene		U		267	
C9-C18 Aliphatics		U		26667	
C19-C36 Aliphatics		U		26667	
C11-C22 Aromatics		U		26667	
1-Chlorooctadecane (Ali)		64%		40-140%	PASS
o-terphenyl (Aro)		91%		40-140%	PASS
2-Fluorobiphenyl (Fraction)		83%		40-140%	PASS
2-Bromonaphthalene (Fraction)		74%		40-140%	PASS

9/12/10

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	D71610B.D	---------
Date Acquired	9/11/2010 11:03	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	15.00	15.00
% Solid (divided by 100)	1.0000	1.0000
Final Volume (mL)	2.0	2.0
Dilution (1:X)	1	1
Calculation Factor	133.3333	133.3333

RAW DATA AROMATICS	Raw Inst. Amount ug/mL	J Flag Inst MDL	Final Inst Amount	Calculated Sample Amt ug/kg	Calibration Fit
Naphthalene	0.00	1.00	0.00	0	Avg RF
2-Methylnaphthalene	0.00	1.00	0.00	0	Avg RF
Acenaphthylene	0.00	1.00	0.00	0	Avg RF
Acenaphthene	0.00	1.00	0.00	0	Avg RF
Fluorene	0.00	1.00	0.00	0	Avg RF
Phenanthrene	0.00	1.00	0.00	0	Avg RF
Anthracene	0.00	1.00	0.00	0	Avg RF
Fluoranthene	0.00	1.00	0.00	0	Avg RF
Pyrene	0.00	1.00	0.00	0	Avg RF
Benzo[a]anthracene	0.00	1.00	0.00	0	Avg RF
Chrysene	0.00	1.00	0.00	0	Avg RF
Benzo[b] fluoranthene	0.00	1.00	0.00	0	Quadratic
Benzo[k] fluoranthene	0.00	1.00	0.00	0	Avg RF
Benzo[a] pyrene	0.00	1.00	0.00	0	Quadratic
Indeno [1,2,3-cd] pyrene	0.00	1.00	0.00	0	Quadratic
Dibenz [a,h] anthracene	0.00	1.00	0.00	0	Quadratic
Benzo(g,h,i) perylene	0.00	1.00	0.00	0	Quadratic

C11-C22	56.290	C11-C22	-2056
ARO Hexane Blank	71.709		
Adjusted C11-C22		Adj C11-C22	-2056

ALIPHATICS

C9-C18	24.152	C9-C18	126
C9-C18 Hexane Blank	23.204		
C19-C36	34.008	C19-C36	-134
C19-C36 Hexane Blank	35.014		

D71310

Surrogates

1-Chlorooctadecane (Ali)	12.825	64%
2-Fluorobiphenyl (Fraction)	16.68	83%
2-Bromonaphthalene (Fraction)	14.71	74%
o-terphenyl (Aro)	18.18	91%

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71610B.D Vial: 8
Acq On : 11 Sep 2010 11:03 am Operator: AR
Sample : B090910EASE,,RR Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Sep 12 13:25 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

MV 9/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	26611	20.00 ug/ml	-0.01

System Monitoring Compounds

9) 2-Fluorobiphenyl	7.59	172	117433	16.68 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery =	83.40%	
10) 2-Bromonaphthalene	8.26	206	42910	14.71 ug/ml	-0.02
Spiked Amount 20.000	Range 40 - 140		Recovery =	73.55%	
11) o-terphenyl	10.10	230	74929	18.18 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery =	90.90%	

Target Compounds Qvalue

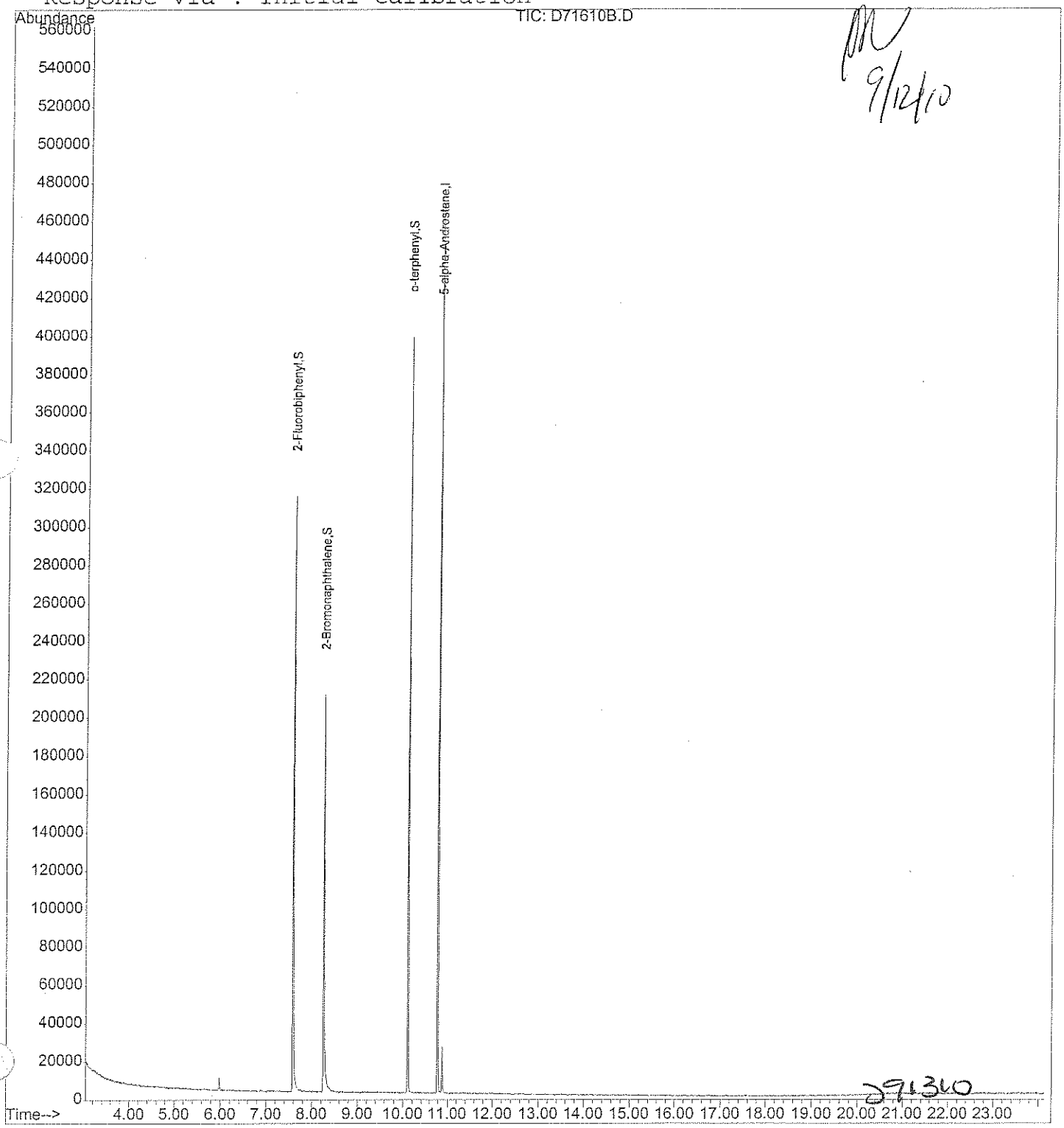
D91310

(#) = qualifier out of range (m) = manual integration
D71610B.D ARM80410.M Sun Sep 12 13:25:38 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71610B.D Vial: 8
Acq On : 11 Sep 2010 11:03 am Operator: AR
Sample : B090910EASE,,RR Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 13:25 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/12/10

J91310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71610B.D Vial: 8
Acq On : 11 Sep 2010 11:03 am Operator: AR
Sample : B090910EASE,,RR Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:26 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5212684	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	3900201	15.163 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	75.81%
10) S 2-Bromonaphthalene	8.26	2858578	15.984 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.92%
11) S o-terphenyl	10.10	3956148	16.207 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	81.03%
Target Compounds			
2) TZ Naphthalene	6.53	20836	<MDL ug/ml
3) TZ 2-Methylnaphthalene	7.25	19838	<MDL ug/ml
4) TZ Acenaphthylene	8.15	4869	<MDL ug/ml
5) TZ Acenaphthene	8.26	2858578	9.371 ug/ml
6) TZ Fluorene	8.82	17267	<MDL ug/ml
7) TZ Phenanthrene	9.76	12842	<MDL ug/ml
8) TZ Anthracene	9.83	7638	<MDL ug/ml
12) TZ Fluoranthene	11.07	24096	<MDL ug/ml
13) TZ Pyrene	11.39	9543	<MDL ug/ml
14) TZ Benzo[a]anthracene	13.56	8525	1.226 ug/ml
15) TZ Chrysene	13.64	8494	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	15.86	10457	1.287 ug/ml
17) TZ Benzo[k] fluoranthene	15.92	6631	<MDL ug/ml
18) TZ Benzo[a] pyrene	16.52	19928	1.102 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.82	10707	2.063 ug/ml
20) TZ Dibenz [a,h] anthracene	18.88	26895	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	19.34	27802	<MDL ug/ml
22) XH c11-c22	11.73	12786748	56.290 ug/ml

71.709

091310

(f)=RT Delta > 1/2 Window (m)=manual int.

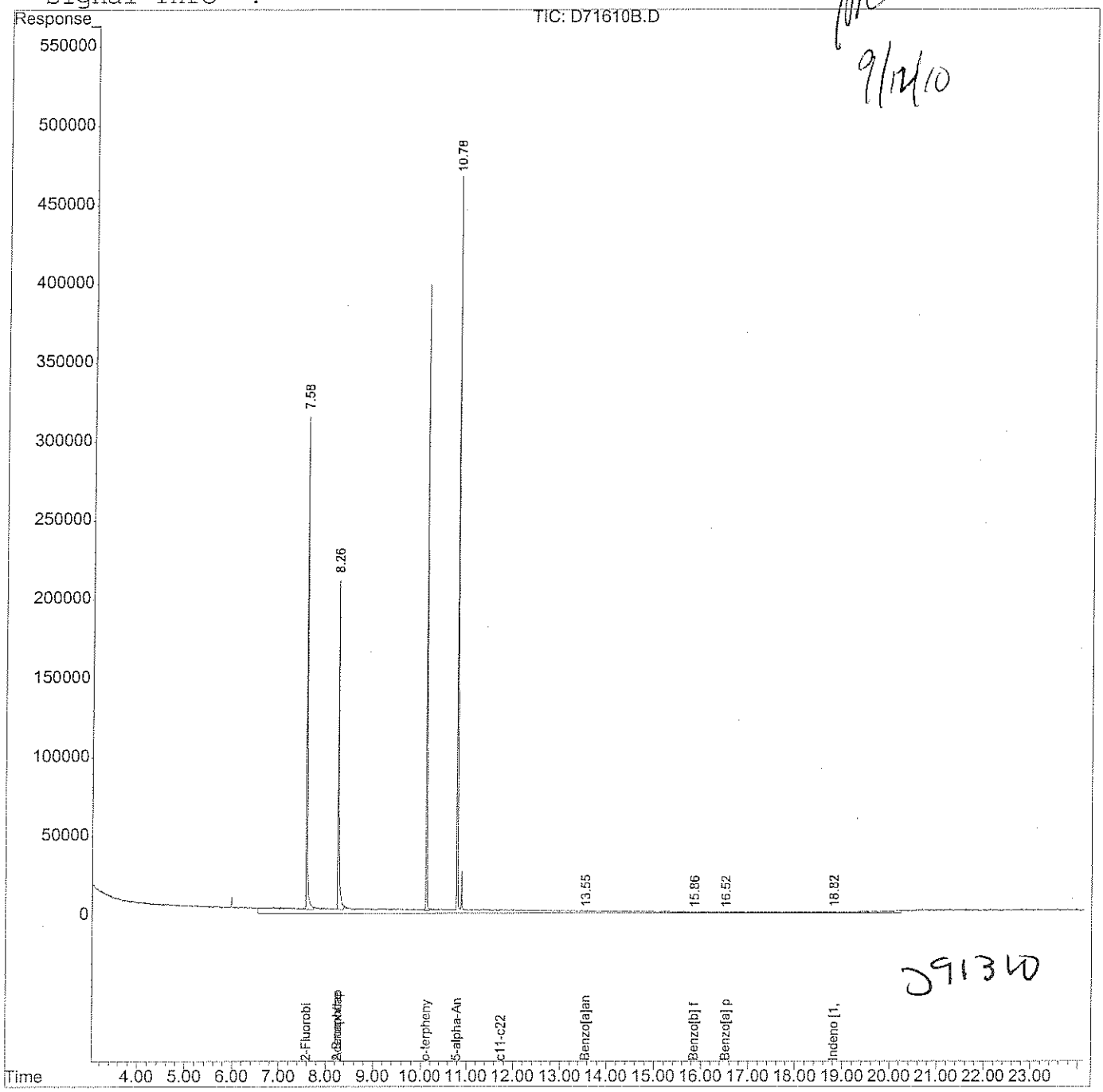
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71610B.D Vial: 8
Acq On : 11 Sep 2010 11:03 am Operator: AR
Sample : B090910EASE,,RR Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:26 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



D91340

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71609B.D Vial: 5
Acq On : 11 Sep 2010 10:33 am Operator: AR
Sample : B090910EASE,,RR Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 13:25 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5671015	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	4463341	12.825 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.13%
Target Compounds			
2) TZM C-9	4.00	5728	<MDL ug/ml
3) TZM C-10	4.97	29959	<MDL ug/ml
4) TZM C-12	6.50	15362	<MDL ug/ml
5) TZM C-14	7.70	14041	<MDL ug/ml
6) TZM C-16	8.71	34478	<MDL ug/ml
7) TZM C-18	9.58	13977	<MDL ug/ml
8) XH C9-C18	7.38	9094525	24.152 ug/ml
9) TZM C-19	10.05	8875	<MDL ug/ml
10) TZM C-20	10.46	7011	<MDL ug/ml
12) TZM C-22	11.43	9665	<MDL ug/ml
13) TZM C-24	12.71	7523	<MDL ug/ml
14) TZM C-26	14.20	13145	<MDL ug/ml
15) TZM C-28	15.70	9750	<MDL ug/ml
16) TZM C-30	17.21	15532	<MDL ug/ml
17) TZM C-36	21.27	13193	4.109 ug/ml
18) XH C19-C36	11.90	10625366	34.008 ug/ml

23.204/35.014

J91310

(f)=RT Delta > 1/2 Window (m)=manual int.

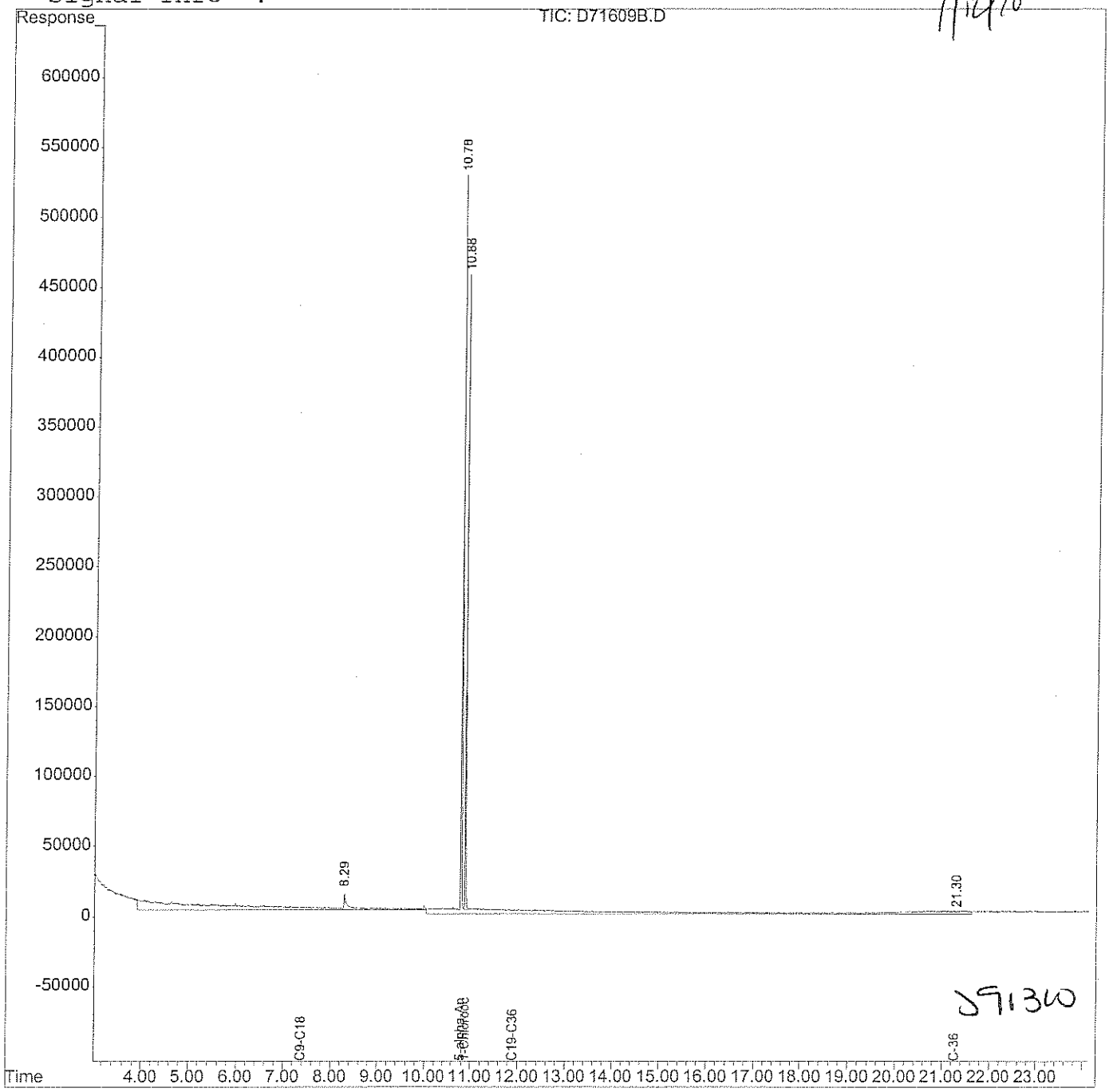
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71609B.D Vial: 5
Acq On : 11 Sep 2010 10:33 am Operator: AR
Sample : B090910EASE,,RR Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 13:25 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



J91310

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 13, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM1-01

SAMPLE DATA

Lab Sample ID:	67722-1
Matrix:	Solid
Percent Solid:	90
Dilution Factor:	1.1
Collection Date:	09/08/10
Lab Receipt Date:	09/09/10
Extraction Date:	09/09/10
Analysis Date:	09/11/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29100	µg/kg	**153000**
Diesel PAH Analytes	Naphthalene	291	µg/kg	**358**
	2-Methylnaphthalene	291	µg/kg	**747**
	Phenanthrene	291	µg/kg	**918**
	Acenaphthene	291	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	291	µg/kg	U
	Fluorene	291	µg/kg	**167 J**
	Anthracene	291	µg/kg	U
	Fluoranthene	291	µg/kg	**845**
	Pyrene	291	µg/kg	**637**
	Benzo[a]anthracene	291	µg/kg	**168 J**
	Chrysene	291	µg/kg	**340**
	Benzo[b]fluoranthene	291	µg/kg	**487**
	Benzo[k]fluoranthene	291	µg/kg	U
	Benzo[a]pyrene	291	µg/kg	**297**
	Indeno[1,2,3-cd]pyrene	291	µg/kg	**360**
	Dibenzo[a,h]anthracene	291	µg/kg	U
	Benzo[g,h,i]perylene	291	µg/kg	**231 J**
C9-C18 Aliphatic Hydrocarbons[1]		583000	µg/kg	**1050000**
C19-C36 Aliphatic Hydrocarbons[1]		583000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29100	µg/kg	**148000**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				*
Aromatic Surrogate % Recovery (O-Terphenyl)				75
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				66
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				86
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.
* The surrogate was diluted out.

SIGNATURE: Mfulbell

EPH SOIL REPORT

Sample Name: 67722-1

Dilution Factors	ARO	1.09		ALI	21.84
		ug/kg	RESULTS QUALIFIER	RL	
Unadjusted C11-C22 Aromatics		153419		29120	
Naphthalene		358		291	
2-Methylnaphthalene		747		291	
Phenanthrene		918		291	
Acenaphthene		U		291	
Acenaphthylene		U		291	
Fluorene		167	J	291	
Anthracene		U		291	
Fluoranthene		845		291	
Pyrene		637		291	
Benzo[a]anthracene		168	J	291	
Chrysene		340		291	
Benzo[b] fluoranthene		487		291	
Benzo[k] fluoranthene		U		291	
Benzo[a] pyrene		297		291	
Indeno [1,2,3-cd] pyrene		360		291	
Dibenz [a,h] anthracene		U		291	
Benzo(g,h,i) perylene		231	J	291	
C9-C18 Aliphatics		1050422		582397	
C19-C36 Aliphatics		U		582397	
C11-C22 Aromatics		147865		29120	
1-Chlorooctadecane (Ali)		D		40-140%	
o-terphenyl (Aro)		75%		40-140%	PASS
2-Fluorobiphenyl (Fraction)		66%		40-140%	PASS
2-Bromonaphthalene (Fraction)		86%		40-140%	PASS

9/12/10

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	D71593.D	---------
Date Acquired	9/11/2010 2:12	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	15.30	15.30
% Solid (divided by 100)	0.8978	0.8978
Final Volume (mL)	2.0	2.0
Dilution (1:X)	1	20
Calculation Factor	145.5992	2911.9838

RAW DATA **AROMATICS**	Raw Inst. Amount ug/mL	J Flag Inst MDL	Final Inst Amount	Calculated Sample Amt ug/kg	Calibration Fit
Naphthalene	2.46	1.00	2.46	358	Avg RF
2-Methylnaphthalene	5.13	1.00	5.13	747	Avg RF
Acenaphthylene	0.29	1.00	0.00	0	Avg RF
Acenaphthene	0.44	1.00	0.00	0	Avg RF
Fluorene	1.15	1.00	1.15	167	Avg RF
Phenanthrene	6.30	1.00	6.30	918	Avg RF
Anthracene	0.00	1.00	0.00	0	Avg RF
Fluoranthene	5.80	1.00	5.80	845	Avg RF
Pyrene	4.37	1.00	4.37	637	Avg RF
Benzo[a]anthracene	1.15	1.00	1.15	168	Avg RF
Chrysene	2.34	1.00	2.34	340	Avg RF
Benzo[b] fluoranthene	3.35	1.00	3.35	487	Quadratic
Benzo[k] fluoranthene	0.85	1.00	0.00	0	Avg RF
Benzo[a] pyrene	2.04	1.00	2.04	297	Quadratic
Indeno [1,2,3-cd] pyrene	2.47	1.00	2.47	360	Quadratic
Dibenz [a,h] anthracene	0.80	1.00	0.00	0	Quadratic
Benzo(g,h,i) perylene	1.58	1.00	1.58	231	Quadratic
C11-C22	1133.572		C11-C22	153419	
ARO Hexane Blank	79.865				
Adjusted C11-C22			Adj C11-C22	147865	
ALIPHATICS					
C9-C18	883.928		C9-C18	1050422	
C9-C18 Hexane Blank	23.204				
C19-C36	75.117		C19-C36	116779	
C19-C36 Hexane Blank	35.014				
Surrogates					
1-Chlorooctadecane (Ali)	0.000			0%	
2-Fluorobiphenyl (Fraction)	13.27			66%	
2-Bromonaphthalene (Fraction)	17.27			86%	
o-terphenyl (Aro)	14.97			75%	

9-13-10

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71593.D
Acq On : 11 Sep 2010 2:12 am
Sample : 67722-1
Misc : SOIL,ARO
MS Integration Params: RTEINT.P
Quant Time: Sep 12 16:29 2010

Vial: 12
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	31732	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.59	172	111409	13.27 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 66.35%		
10) 2-Bromonaphthalene	8.26	206	60065	17.27 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 86.35%		
11) o-terphenyl	10.11	230	73573	14.97 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 74.85%		

Target Compounds					Qvalue
2) Naphthalene	6.54	128	31490	2.46 ug/ml#	36
3) 2-Methylnaphthalene	7.23	141	35785	5.13 ug/ml	99
J 6) Fluorene	8.81	166	8984	1.15 ug/ml#	73
7) Phenanthrene	9.76	178	66369	6.30 ug/ml	97
12) Fluoranthene	11.07	202	63597	5.80 ug/ml	98
13) Pyrene	11.38	202	49214	4.37 ug/ml#	91
J 14) Benzo[a]anthracene	13.54	228	9950m	1.15 ug/ml	
15) Chrysene	13.60	228	21346	2.34 ug/ml	96
16) Benzo[b] fluoranthene	15.86	252	15698	3.35 ug/ml	97
18) Benzo[a] pyrene	16.43	252	9443m	2.04 ug/ml	
19) Indeno [1,2,3-cd] pyrene	18.87	276	4498	2.47 ug/ml	97
J 21) Benzo(g,h,i) perylene	19.36	276	6336	1.58 ug/ml	98

12

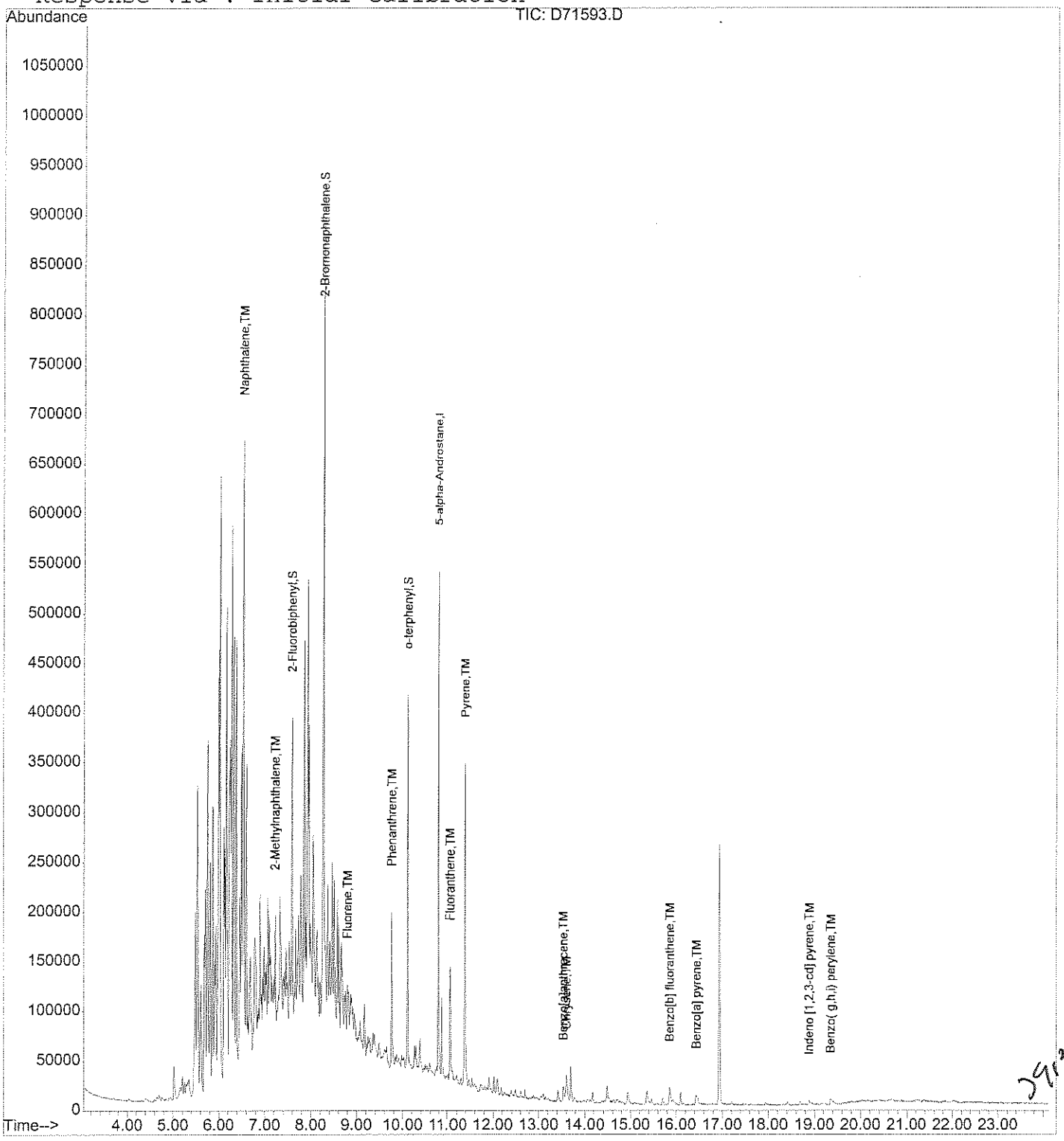
J91340

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71593.D Vial: 12
Acq On : 11 Sep 2010 2:12 am Operator: AR
Sample : 67722-1 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 16:29 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration

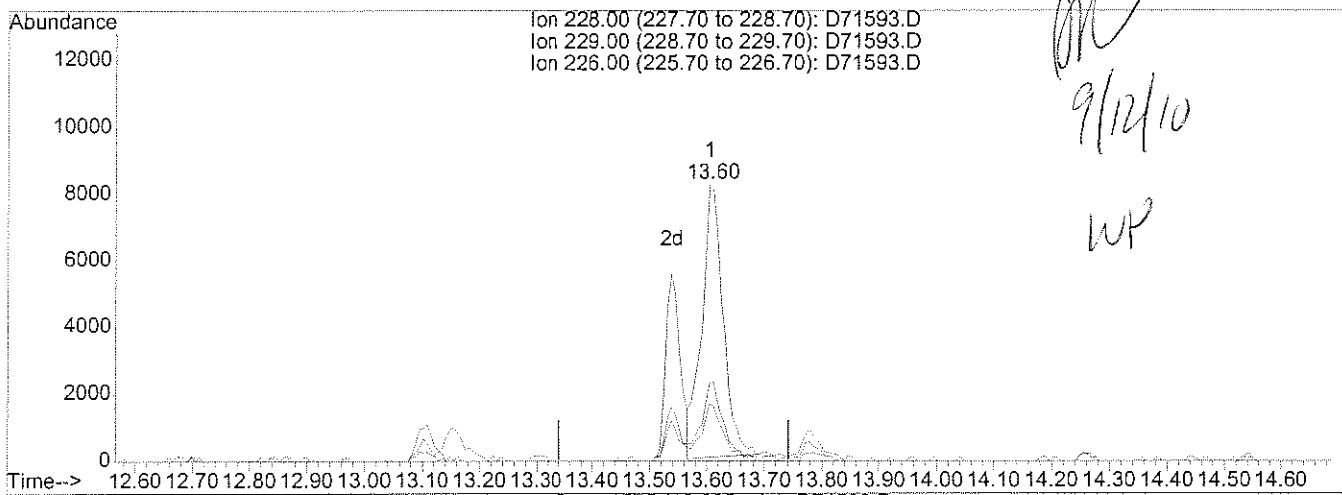


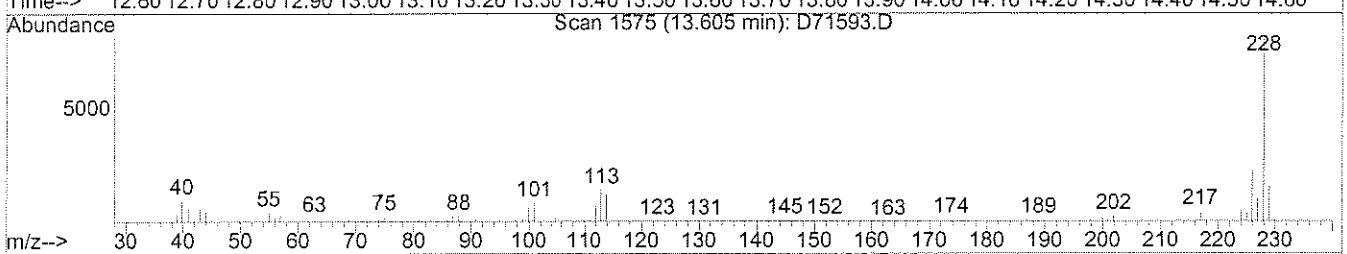
D71593.D ARM80410.M Sun Sep 12 16:29:27 2010 Page 2

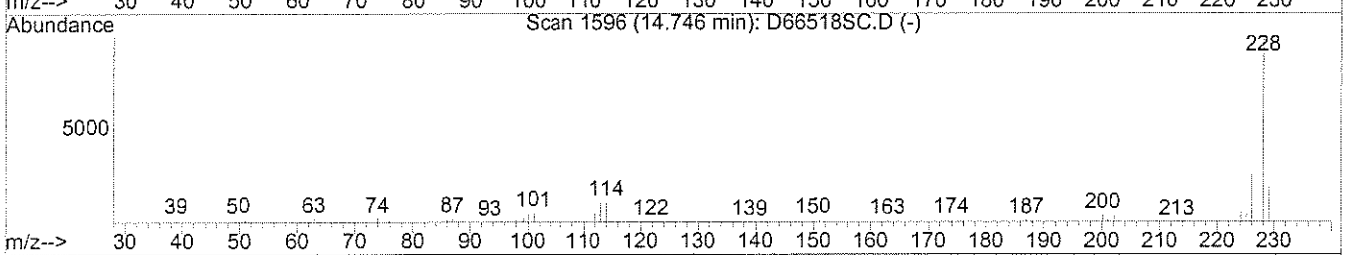
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71593.D Vial: 12
Acq On : 11 Sep 2010 2:12 am Operator: AR
Sample : 67722-1 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 16:27 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Multiple Level Calibration







TIC: D71593.D

(14) Benzo[a]anthracene (TM)

13.60min 2.47ug/ml

response 21346

Ion	Exp%	Act%
228.00	100	100
229.00	19.20	21.68
226.00	27.40	29.27
0.00	0.00	0.00

9/12/10

WP

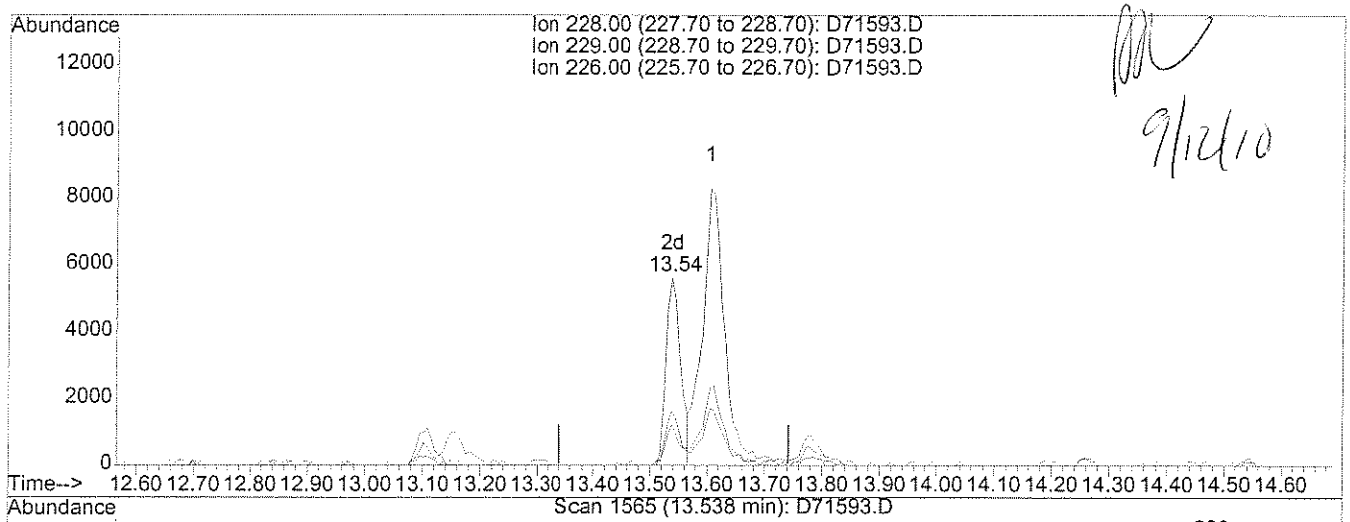
D91310

D71593.D ARM80410.M Sun Sep 12 16:28:06 2010

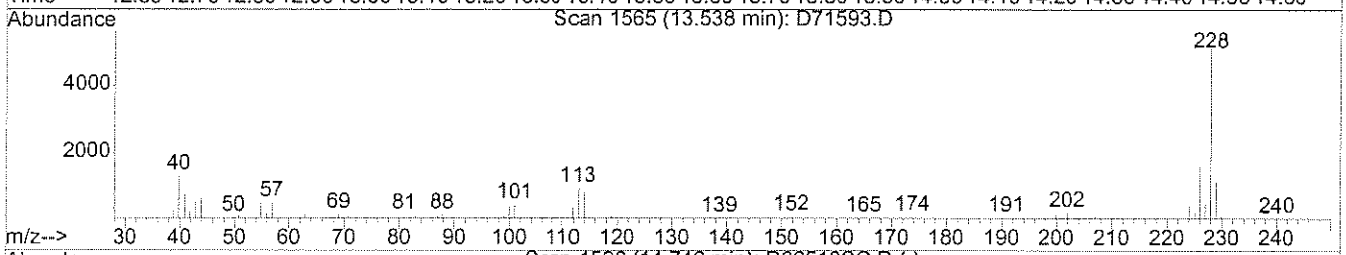
Quantitation Report (Qedit)

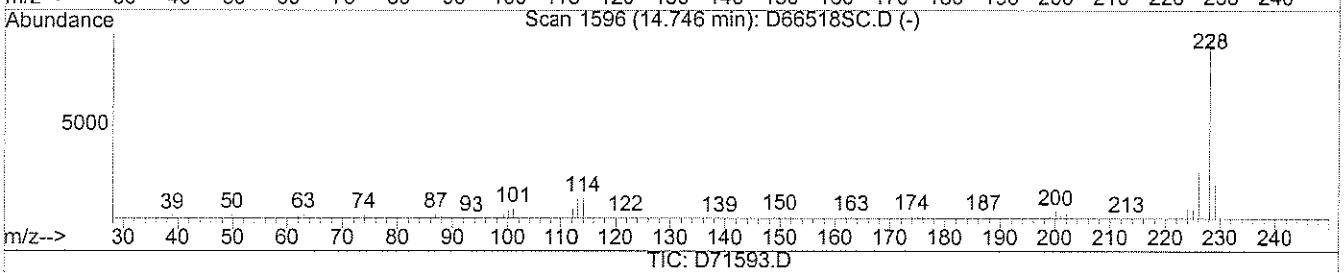
Data File : D:\HPCHEM\1\DATA\091010-D\D71593.D Vial: 12
Acq On : 11 Sep 2010 2:12 am Operator: AR
Sample : 67722-1 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 16:28 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Multiple Level Calibration



9/12/10





TIC: D71593.D

(14) Benzo[a]anthracene (TM)

13.54min 1.15ug/ml m

response 9950

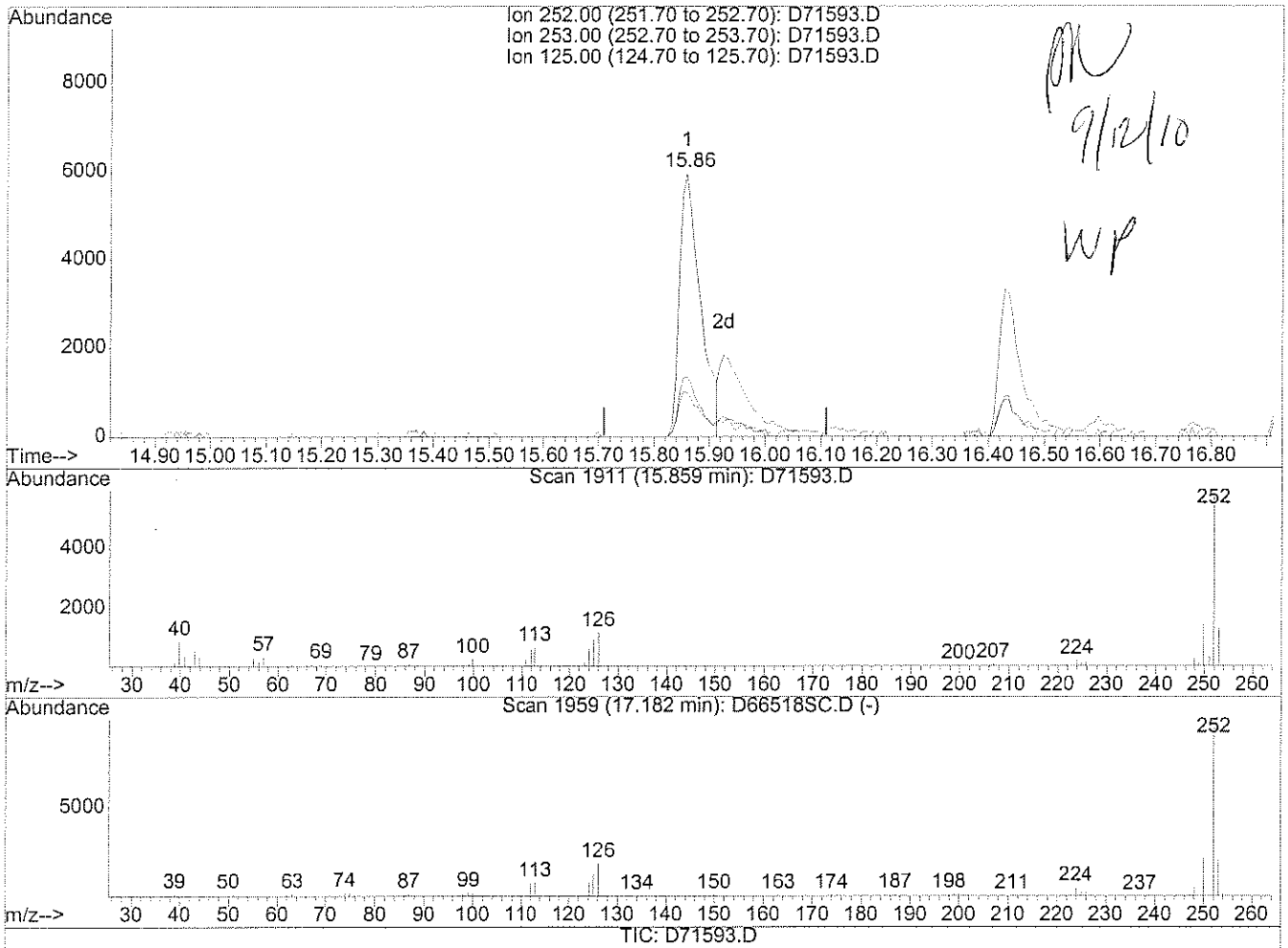
Ion	Exp%	Act%
228.00	100	100
229.00	19.20	46.51#
226.00	27.40	62.80#
0.00	0.00	0.00

D71360

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71593.D Vial: 12
Acq On : 11 Sep 2010 2:12 am Operator: AR
Sample : 67722-1 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 16:28 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Multiple Level Calibration



ON 9/12/10

WP

(17) Benzo[k] fluoranthene (TM)

15.86min 2.02ug/ml

response 15698

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	22.28
125.00	15.80	17.94
0.00	0.00	0.00

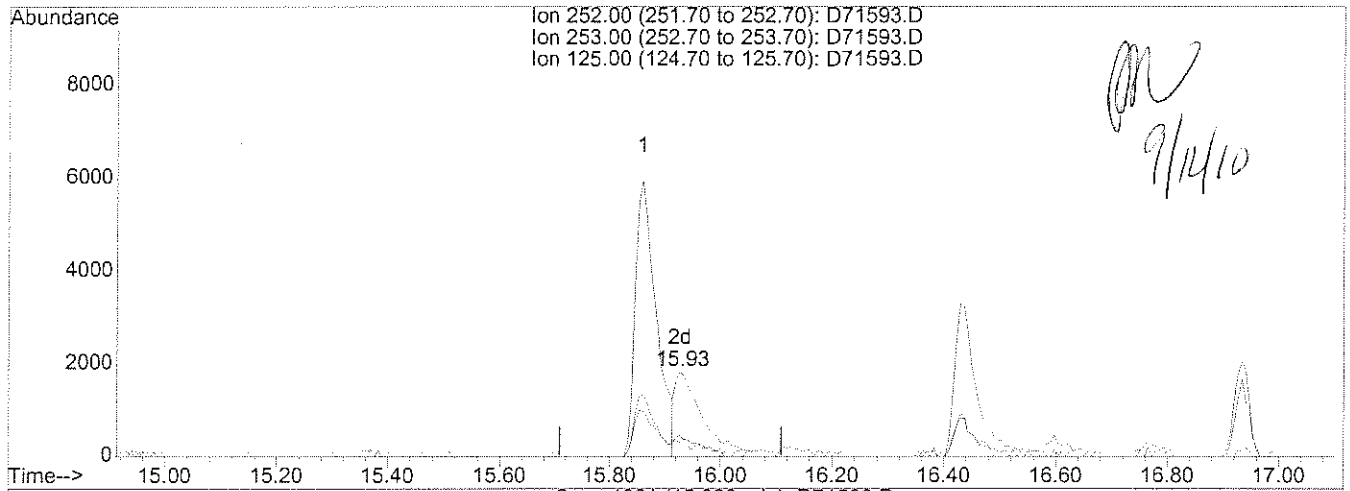
D71310

D71593.D ARM80410.M Sun Sep 12 16:28:33 2010

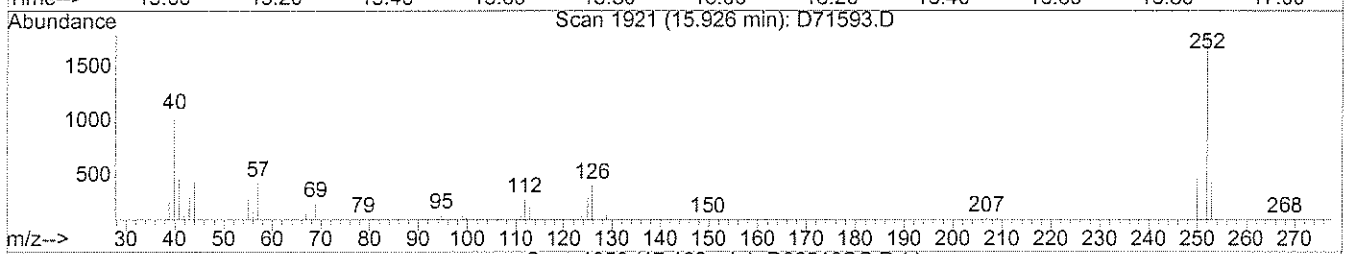
Quantitation Report (Qedit)

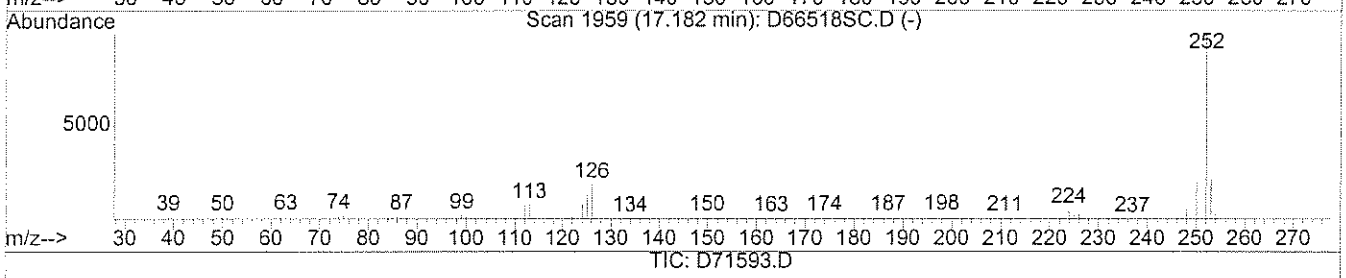
Data File : D:\HPCHEM\1\DATA\091010-D\D71593.D Vial: 12
Acq On : 11 Sep 2010 2:12 am Operator: AR
Sample : 67722-1 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 16:29 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Multiple Level Calibration



9/14/10





(17) Benzo[k] fluoranthene (TM)

15.93min 0.85ug/ml m

response 6568

Ion	Exp%	Act%
252.00	100	100
253.00	22.00	53.26#
125.00	15.80	42.89#
0.00	0.00	0.00

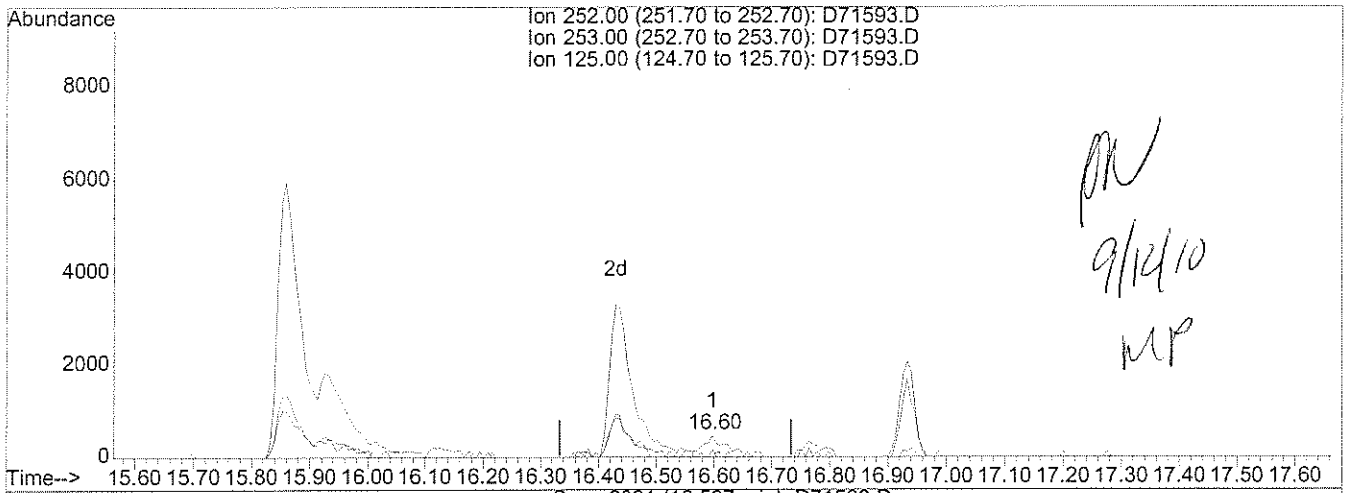
NA

39130

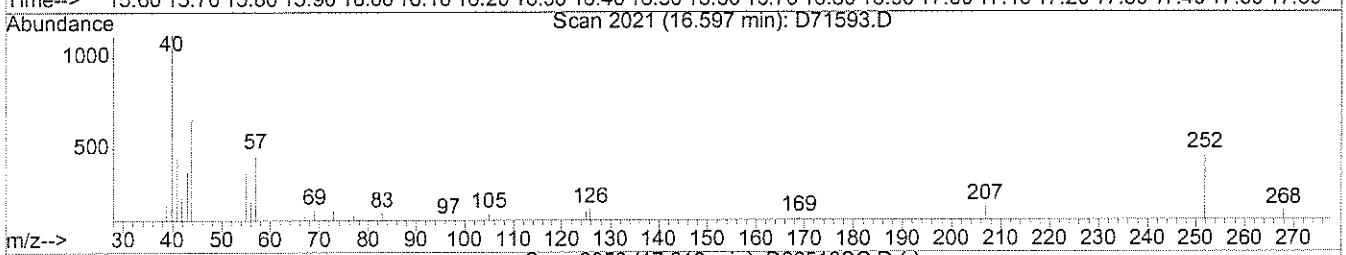
Quantitation Report (Qedit)

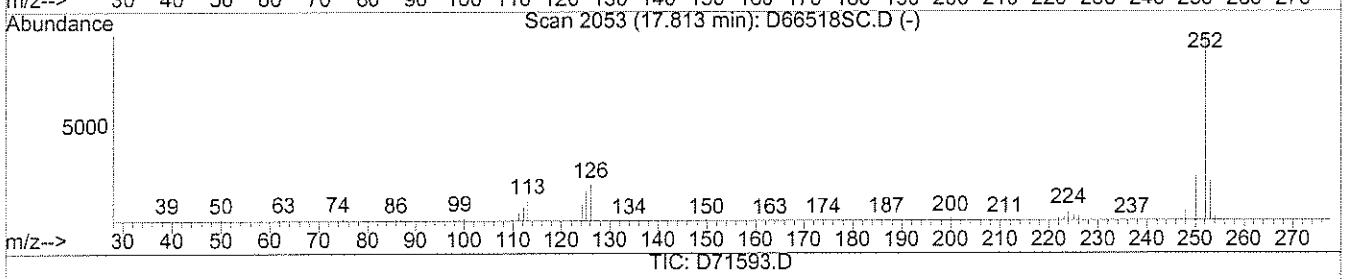
Data File : D:\HPCHEM\1\DATA\091010-D\D71593.D Vial: 12
Acq On : 11 Sep 2010 2:12 am Operator: AR
Sample : 67722-1 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 16:28 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Multiple Level Calibration



PN
9/14/10
MP





(18) Benzo[a] pyrene (TM)

16.60min 0.89ug/ml

response 1194

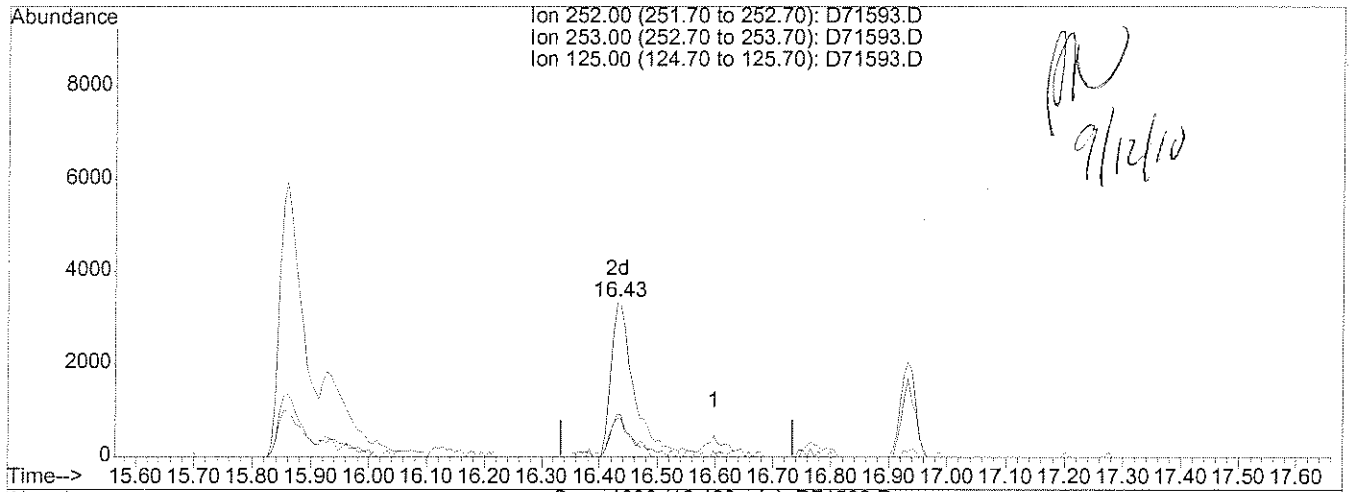
Ion	Exp%	Act%
252.00	100	100
253.00	21.40	10.80#
125.00	18.00	8.96#
0.00	0.00	0.00

D91310

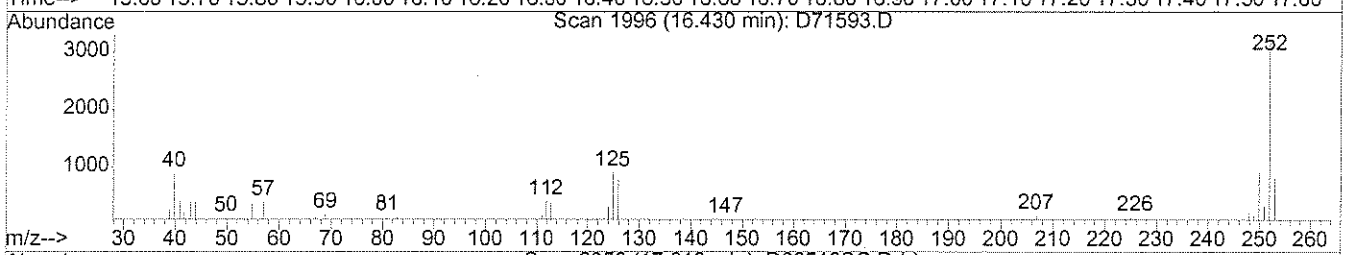
Quantitation Report (Qedit)

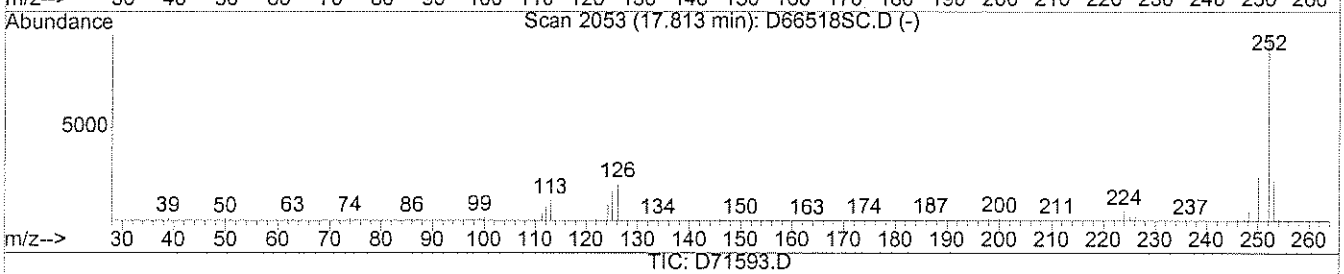
Data File : D:\HPCHEM\1\DATA\091010-D\D71593.D Vial: 12
Acq On : 11 Sep 2010 2:12 am Operator: AR
Sample : 67722-1 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 16:29 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Multiple Level Calibration



9/12/10





TIC: D71593.D

(18) Benzo[a] pyrene (TM)

16.43min 2.04ug/ml m

response 9443

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	1.37#
125.00	18.00	1.13#
0.00	0.00	0.00

291310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71593.D Vial: 12
Acq On : 11 Sep 2010 2:12 am Operator: AR
Sample : 67722-1 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 11:41 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

AR 9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	6210310	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	3903816	12.739 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.70%
10) S 2-Bromonaphthalene	8.27	11008239	51.665 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	258.32%#
11) S o-terphenyl	10.11	4325838	14.875 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	74.38%
Target Compounds			
2) TZ Naphthalene	6.53	11140975	33.300 ug/ml
3) TZ 2-Methylnaphthalene	7.23	1314105	4.059 ug/ml
4) TZ Acenaphthylene	8.13	1626273	5.312 ug/ml
5) TZ Acenaphthene	8.31	1281080	3.212 ug/ml
6) TZ Fluorene	8.81	1510365	5.089 ug/ml
7) TZ Phenanthrene	9.76	1974337	6.473 ug/ml
8) TZ Anthracene	9.84	92758	<MDL ug/ml
12) TZ Fluoranthene	11.07	2010359	6.683 ug/ml
13) TZ Pyrene	11.39	5330057	17.259 ug/ml
14) TZ Benzo[a]anthracene	13.54	313524	2.266 ug/ml
15) TZ Chrysene	13.61	752341	2.608 ug/ml
16) TZ Benzo[b] fluoranthene	15.86	486109	3.274 ug/ml
17) TZ Benzo[k] fluoranthene	15.93	215101	1.484 ug/ml
18) TZ Benzo[a] pyrene	16.54	33258	1.142 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.82	39921	2.195 ug/ml
20) TZ Dibenz [a,h] anthracene	18.88	231257	1.106 ug/ml
21) TZ Benzo(g,h,i) perylene	19.36	210752	1.729 ug/ml
22) XH c11-c22	11.73	306780708	1133.572 ug/ml

79.865

D71530

(f)=RT Delta > 1/2 Window (m)=manual int.

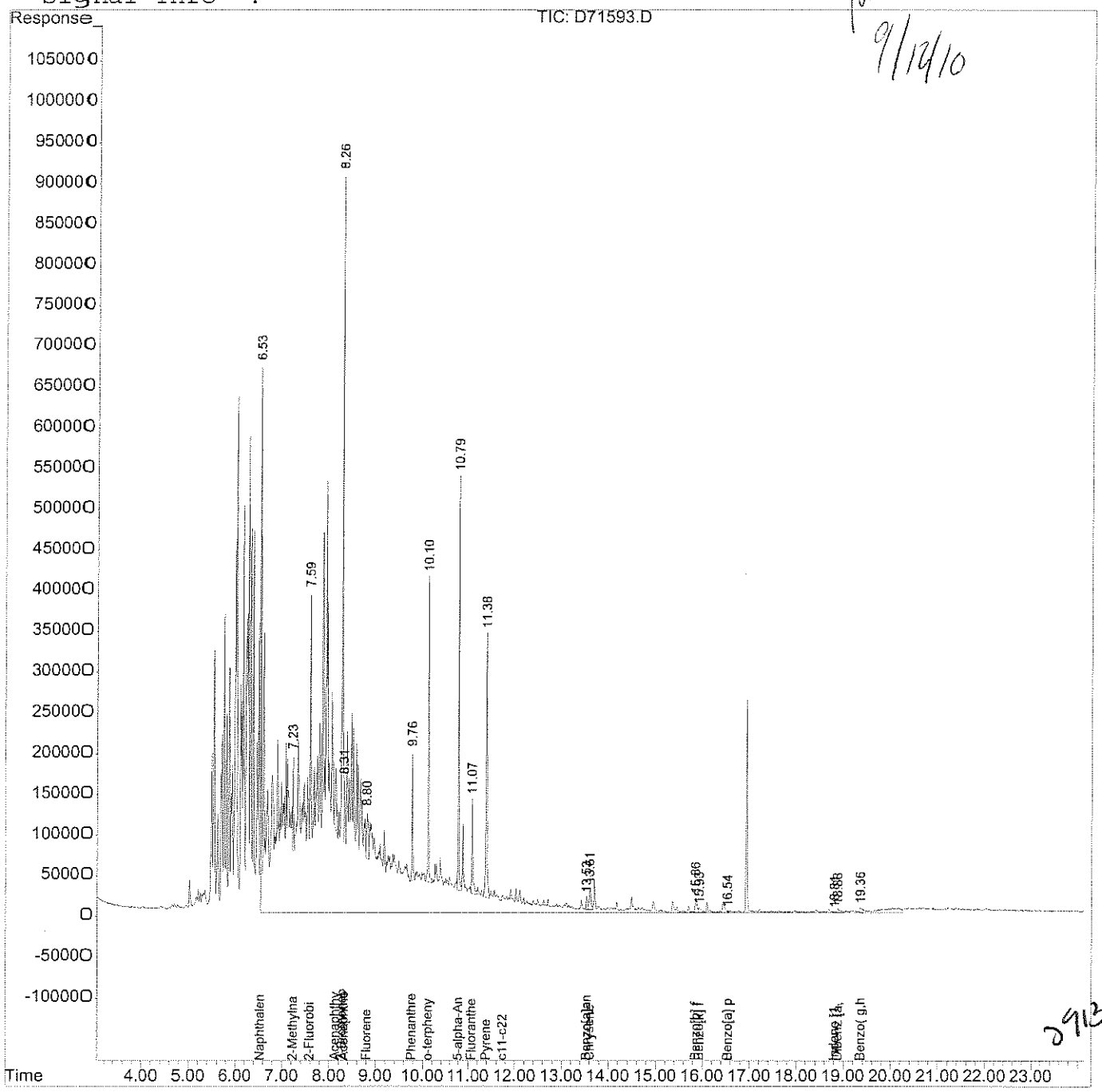
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71593.D Vial: 12
Acq On : 11 Sep 2010 2:12 am Operator: AR
Sample : 67722-1 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 11:41 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/14/10



D71320

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71611.D Vial: 19
Acq On : 11 Sep 2010 11:33 am Operator: AR
Sample : 67722-1 Inst : GC/MS Ins
Misc : SOIL,ALI,1:20 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5369433	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	144747	<MDL ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
Target Compounds			
2) TZM C-9	4.03	110360	<MDL ug/ml
3) TZM C-10	5.01	1057478	3.101 ug/ml
4) TZM C-12	6.49	3050429	8.331 ug/ml
5) TZM C-14	7.66	1617786	4.308 ug/ml
6) TZM C-16	8.69	318684	<MDL ug/ml
7) TZM C-18	9.60	73120	<MDL ug/ml
8) XH C9-C18	7.38	136882598	383.928 ug/ml
9) TZM C-19	10.02	80759	<MDL ug/ml
10) TZM C-20	10.45	74491	<MDL ug/ml
12) TZM C-22	11.42	87320	<MDL ug/ml
13) TZM C-24	12.70	108471	<MDL ug/ml
14) TZM C-26	14.17	115500	<MDL ug/ml
15) TZM C-28	15.70	56546	<MDL ug/ml
16) TZM C-30	17.23	6803	<MDL ug/ml
17) TZM C-36	21.28	11284	4.103 ug/ml
18) XH C19-C36	11.90	22221188	75.117 ug/ml

D.O.

23.204/35.014

091310

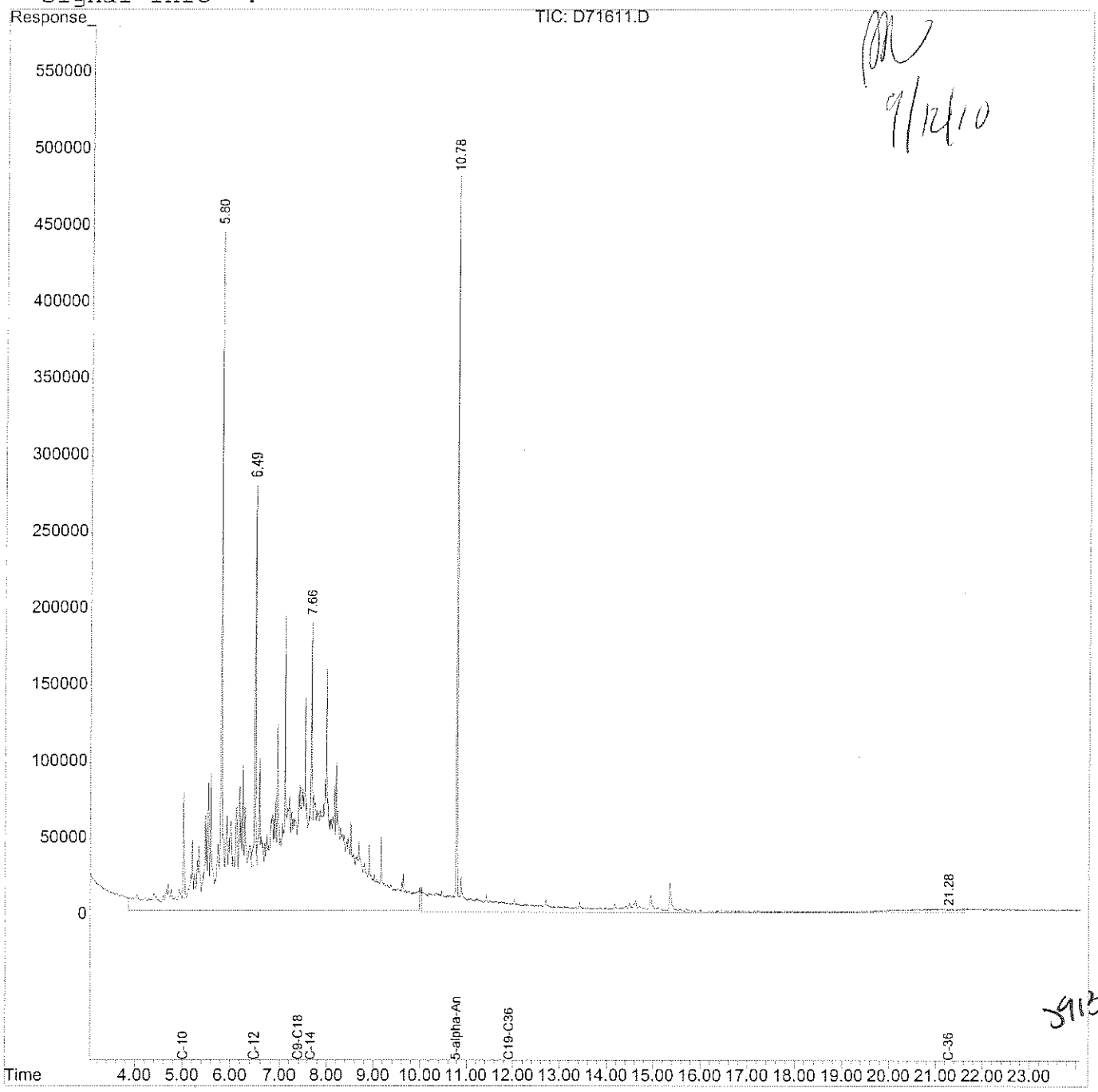
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71611.D Vial: 19
Acq On : 11 Sep 2010 11:33 am Operator: AR
Sample : 67722-1 Inst : GC/MS Ins
Misc : SOIL,ALI,1:20 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



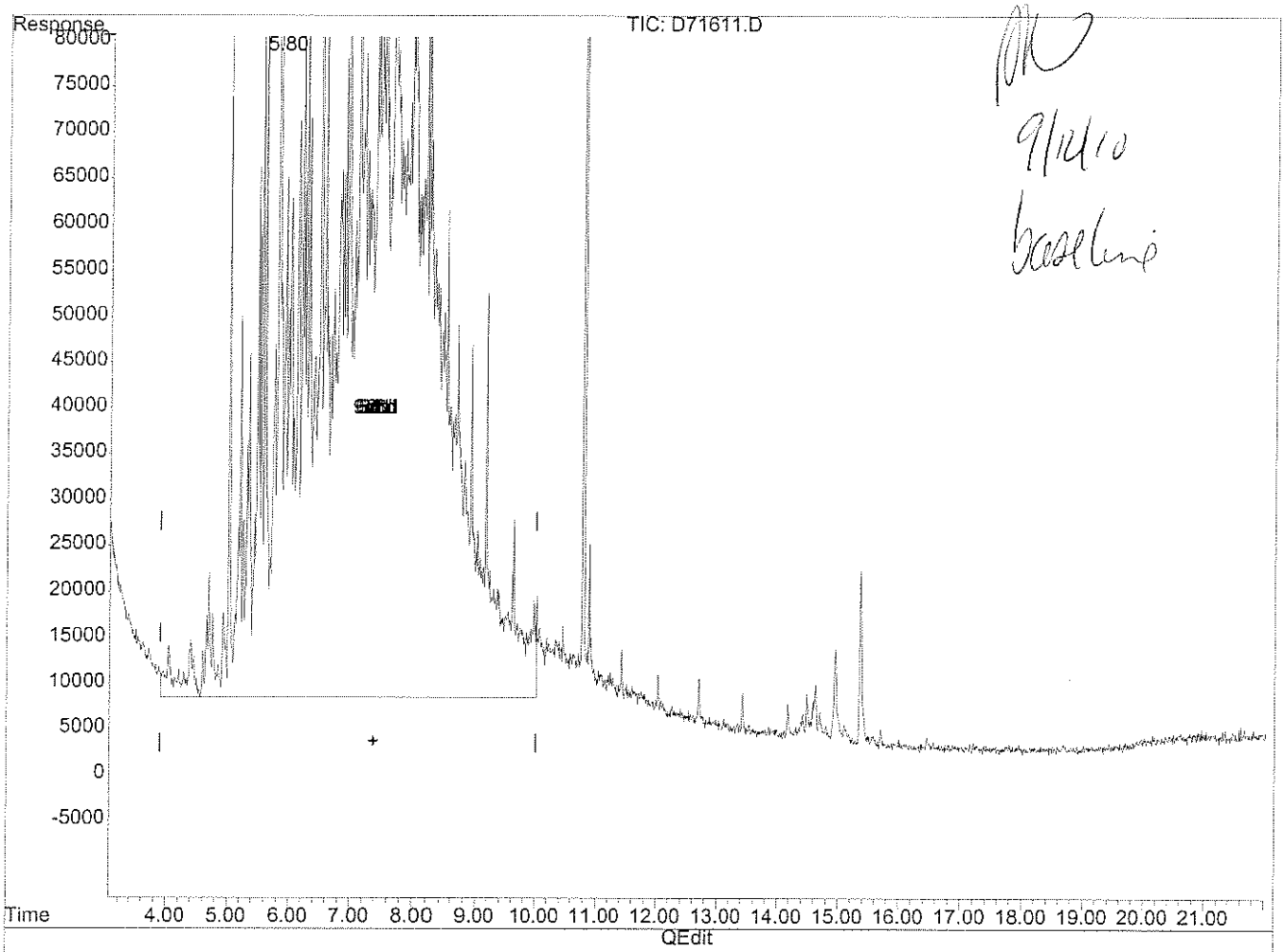
9/12/10

591360

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71611.D Vial: 19
Acq On : 11 Sep 2010 11:33 am Operator: AR
Sample : 67722-1 Inst : GC/MS Ins
Misc : SOIL,ALI,1:20 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:14 2010 Quant Results File: ALG80410.RES

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration



9/12/10
baseline

(8) C9-C18 (XH)

7.38min 330.798ug/ml m

response 117940174

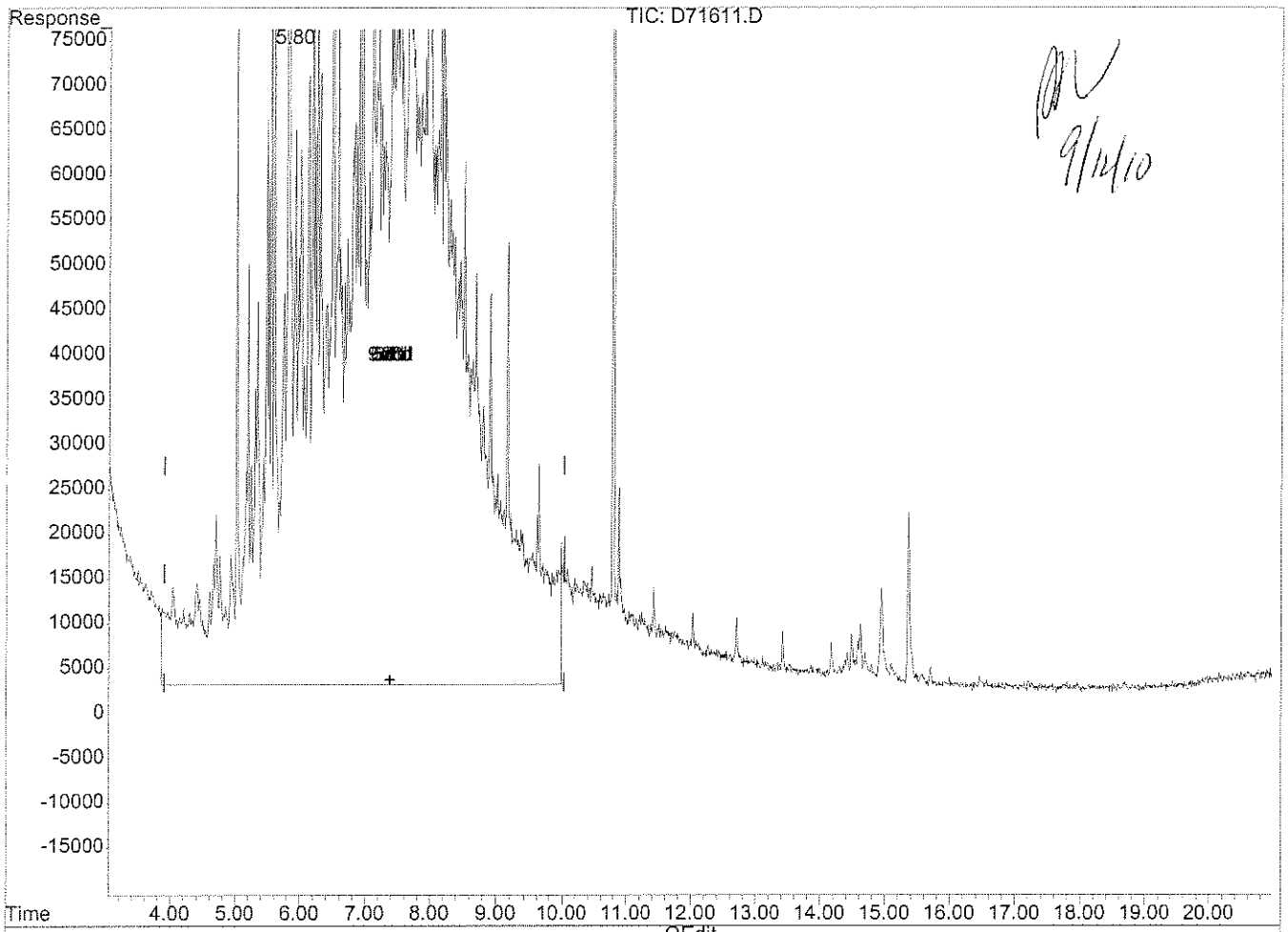
D91300

(+) = Expected Retention Time
D71611.D ALG80410.M Sun Sep 12 11:17:45 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71611.D Vial: 19
Acq On : 11 Sep 2010 11:33 am Operator: AR
Sample : 67722-1 Inst : GC/MS Ins
Misc : SOIL,ALI,1:20 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:17 2010 Quant Results File: ALG80410.RES

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration



(8) C9-C18 (XH)

7.38min 383.928ug/ml m

response 136882598

D71340

(+) = Expected Retention Time
D71611.D ALG80410.M Sun Sep 12 11:19:44 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 13, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM2-01

SAMPLE DATA

Lab Sample ID:	67722-2
Matrix:	Solid
Percent Solid:	92
Dilution Factor:	1.06
Collection Date:	09/09/10
Lab Receipt Date:	09/09/10
Extraction Date:	09/09/10
Analysis Date:	09/11/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28300	µg/kg	**44300**
Diesel PAH Analytes	Naphthalene	283	µg/kg	**151 J**
	2-Methylnaphthalene	283	µg/kg	**293**
	Phenanthrene	283	µg/kg	U
	Acenaphthene	283	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	283	µg/kg	U
	Fluorene	283	µg/kg	U
	Anthracene	283	µg/kg	U
	Fluoranthene	283	µg/kg	U
	Pyrene	283	µg/kg	U
	Benzo[a]anthracene	283	µg/kg	U
	Chrysene	283	µg/kg	U
	Benzo[b]fluoranthene	283	µg/kg	U
	Benzo[k]fluoranthene	283	µg/kg	U
	Benzo[a]pyrene	283	µg/kg	U
	Indeno[1,2,3-cd]pyrene	283	µg/kg	U
	Dibenzo[a,h]anthracene	283	µg/kg	U
	Benzo[g,h,i]perylene	283	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		141000	µg/kg	**235000**
C19-C36 Aliphatic Hydrocarbons[1]		141000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		28300	µg/kg	**43900**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				59
Aromatic Surrogate % Recovery (O-Terphenyl)				79
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				73
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				73
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL REPORT

Sample Name: 67722-2

Dilution Factors	ARO	1.06		ALI	5.28
		ug/kg	RESULTS QUALIFIER	RL	
Unadjusted C11-C22 Aromatics		44342		28150	
Naphthalene		151	J	282	
2-Methylnaphthalene		293		282	
Phenanthrene		U		282	
Acenaphthene		U		282	
Acenaphthylene		U		282	
Fluorene		U		282	
Anthracene		U		282	
Fluoranthene		U		282	
Pyrene		U		282	
Benzo[a]anthracene		U		282	
Chrysene		U		282	
Benzo[b] fluoranthene		U		282	
Benzo[k] fluoranthene		U		282	
Benzo[a] pyrene		U		282	
Indeno [1,2,3-cd] pyrene		U		282	
Dibenz [a,h] anthracene		U		282	
Benzo(g,h,i) perylene		U		282	
C9-C18 Aliphatics		234894		140751	
C19-C36 Aliphatics		U		140751	
C11-C22 Aromatics		43898		28150	
1-Chlorooctadecane (Ali)		59%		40-140%	PASS
o-terphenyl (Aro)		79%		40-140%	PASS
2-Fluorobiphenyl (Fraction)		73%		40-140%	PASS
2-Bromonaphthalene (Fraction)		73%		40-140%	PASS

9/12/10

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	D71595.D	---------
Date Acquired	9/11/2010 3:12	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	15.43	15.43
% Solid (divided by 100)	0.9209	0.9209
Final Volume (mL)	2.0	2.0
Dilution (1:X)	1	5
Calculation Factor	140.7510	703.7552

RAW DATA **AROMATICS**	Raw Inst. Amount ug/mL	J Flag Inst MDL	Final Inst Amount	Calculated Sample Amt ug/kg	Calibration Fit
Naphthalene	1.07	1.00	1.07	151	Avg RF
2-Methylnaphthalene	2.08	1.00	2.08	293	Avg RF
Acenaphthylene	0.00	1.00	0.00	0	Avg RF
Acenaphthene	0.00	1.00	0.00	0	Avg RF
Fluorene	0.00	1.00	0.00	0	Avg RF
Phenanthrene	0.00	1.00	0.00	0	Avg RF
Anthracene	0.00	1.00	0.00	0	Avg RF
Fluoranthene	0.00	1.00	0.00	0	Avg RF
Pyrene	0.00	1.00	0.00	0	Avg RF
Benzo[a]anthracene	0.00	1.00	0.00	0	Avg RF
Chrysene	0.00	1.00	0.00	0	Avg RF
Benzo[b] fluoranthene	0.00	1.00	0.00	0	Quadratic
Benzo[k] fluoranthene	0.00	1.00	0.00	0	Avg RF
Benzo[a] pyrene	0.72	1.00	0.00	0	Quadratic
Indeno [1,2,3-cd] pyrene	0.00	1.00	0.00	0	Quadratic
Dibenz [a,h] anthracene	0.00	1.00	0.00	0	Quadratic
Benzo(g,h,i) perylene	0.66	1.00	0.00	0	Quadratic
C11-C22	394.903		C11-C22	44342	
ARO Hexane Blank	79.865				
Adjusted C11-C22			Adj C11-C22	43898	
ALIPHATICS					
C9-C18	356.977		C9-C18	234894	
C9-C18 Hexane Blank	23.204				
C19-C36	104.986		C19-C36	49243	
C19-C36 Hexane Blank	35.014				
Surrogates					
1-Chlorooctadecane (Ali)	2.362			59%	
2-Fluorobiphenyl (Fraction)	14.54			73%	
2-Bromonaphthalene (Fraction)	14.67			73%	
o-terphenyl (Aro)	[illegible]			79%	

59130

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71595.D
Acq On : 11 Sep 2010 3:12 am
Sample : 67722-2
Misc : SOIL,ARO
MS Integration Params: RTEINT.P
Quant Time: Sep 12 11:50 2010

Vial: 14
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	31879	20.00 ug/ml	-0.01

System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.59	172	122615	14.54 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 72.70%		
10) 2-Bromonaphthalene	8.26	206	51246	14.67 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 73.35%		
11) o-terphenyl	10.10	230	78223	15.84 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 79.20%		

Target Compounds					Qvalue
J 2) Naphthalene	6.55	128	13760	1.07 ug/ml#	70
3) 2-Methylnaphthalene	7.24	141	14597	2.08 ug/ml	96
~~16)~~ Benzo[b] fluoranthene	15.90	252	1847	~~1.63~~ ug/ml#	66
~~19)~~ Indeno [1,2,3-cd] pyrene	18.95	276	248	~~1.80~~ ug/ml#	65

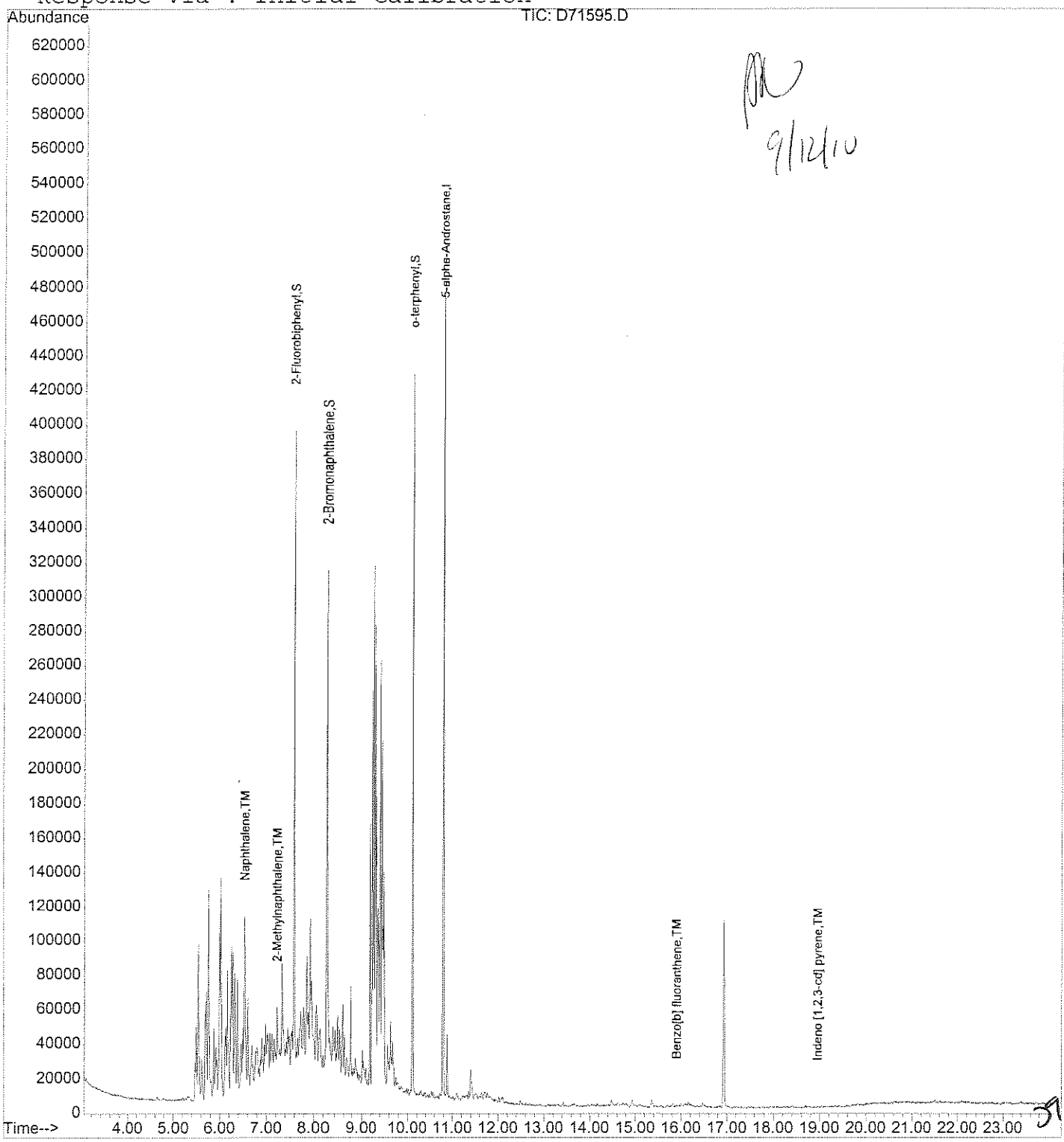
D71320

(#) = qualifier out of range (m) = manual integration
D71595.D ARM80410.M Sun Sep 12 11:50:30 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71595.D Vial: 14
Acq On : 11 Sep 2010 3:12 am Operator: AR
Sample : 67722-2 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 11:50 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/12/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71595.D Vial: 14
Acq On : 11 Sep 2010 3:12 am Operator: AR
Sample : 67722-2 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 11:41 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5967482	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	4228374	14.360 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	71.80%
10) S 2-Bromonaphthalene	8.27	4023862	19.654 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	98.27%
11) S o-terphenyl	10.11	4265158	15.263 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	76.31%
Target Compounds			
2) TZ Naphthalene	6.54	2028140	6.309 ug/ml
3) TZ 2-Methylnaphthalene	7.24	670370	2.155 ug/ml
4) TZ Acenaphthylene	8.13	493389	1.677 ug/ml
5) TZ Acenaphthene	8.32	313258	<MDL ug/ml
6) TZ Fluorene	8.84	83214	<MDL ug/ml
7) TZ Phenanthrene	9.79	171169	<MDL ug/ml
8) TZ Anthracene	9.79	171169	<MDL ug/ml
12) TZ Fluoranthene	11.07	6578	<MDL ug/ml
13) TZ Pyrene	11.40	460994	1.553 ug/ml
14) TZ Benzo[a]anthracene	13.56	19944	1.262 ug/ml
15) TZ Chrysene	13.62	40720	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	15.82	79224	1.581 ug/ml
17) TZ Benzo[k] fluoranthene	15.90	46337	<MDL ug/ml
18) TZ Benzo[a] pyrene	16.52	43861	1.195 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.85	5104	2.027 ug/ml
20) TZ Dibenz [a,h] anthracene	18.90	13373	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	19.35	31261	<MDL ug/ml
22) XH c11-c22	11.73	102694419	394.903 ug/ml

79.865

091310

(f)=RT Delta > 1/2 Window (m)=manual int.

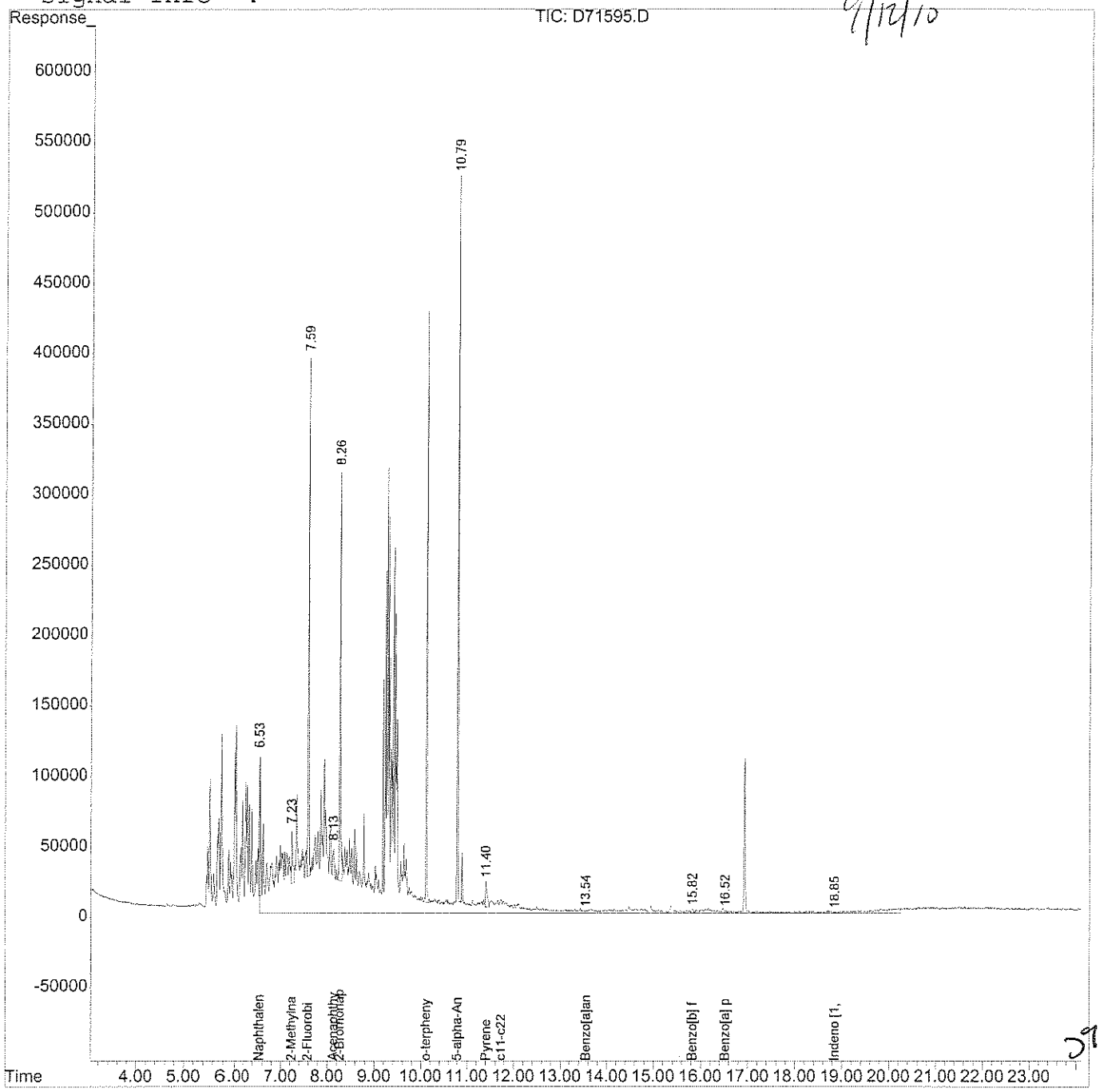
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71595.D Vial: 14
Acq On : 11 Sep 2010 3:12 am Operator: AR
Sample : 67722-2 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 11:41 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



D71315

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71612.D Vial: 20
Acq On : 11 Sep 2010 12:02 pm Operator: AR
Sample : 67722-2 Inst : GC/MS Ins
Misc : SOIL,ALI,1:5 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:22 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5656956	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	819874	2.362 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	11.81%#
Target Compounds			
2) TZM C-9	4.00	19246	<MDL ug/ml
3) TZM C-10	5.02	351119	<MDL ug/ml
4) TZM C-12	6.49	2580259	6.688 ug/ml
5) TZM C-14	7.66	2201970	5.565 ug/ml
6) TZM C-16	8.69	233057	<MDL ug/ml
7) TZM C-18	9.60	49779	<MDL ug/ml
8) XH C9-C18	7.38	134088794	356.977 ug/ml
9) TZM C-19	10.02	57931	<MDL ug/ml
10) TZM C-20	10.45	42536	<MDL ug/ml
12) TZM C-22	11.43	51879	<MDL ug/ml
13) TZM C-24	12.70	41595	<MDL ug/ml
14) TZM C-26	14.17	372307	1.148 ug/ml
15) TZM C-28	15.69	51204	<MDL ug/ml
16) TZM C-30	17.21	12527	<MDL ug/ml
17) TZM C-36	21.20	54381	4.307 ug/ml
18) XH C19-C36	11.90	32720326	104.986 ug/ml

X5

59

23.204/35.014

59130

(f)=RT Delta > 1/2 Window (m)=manual int.

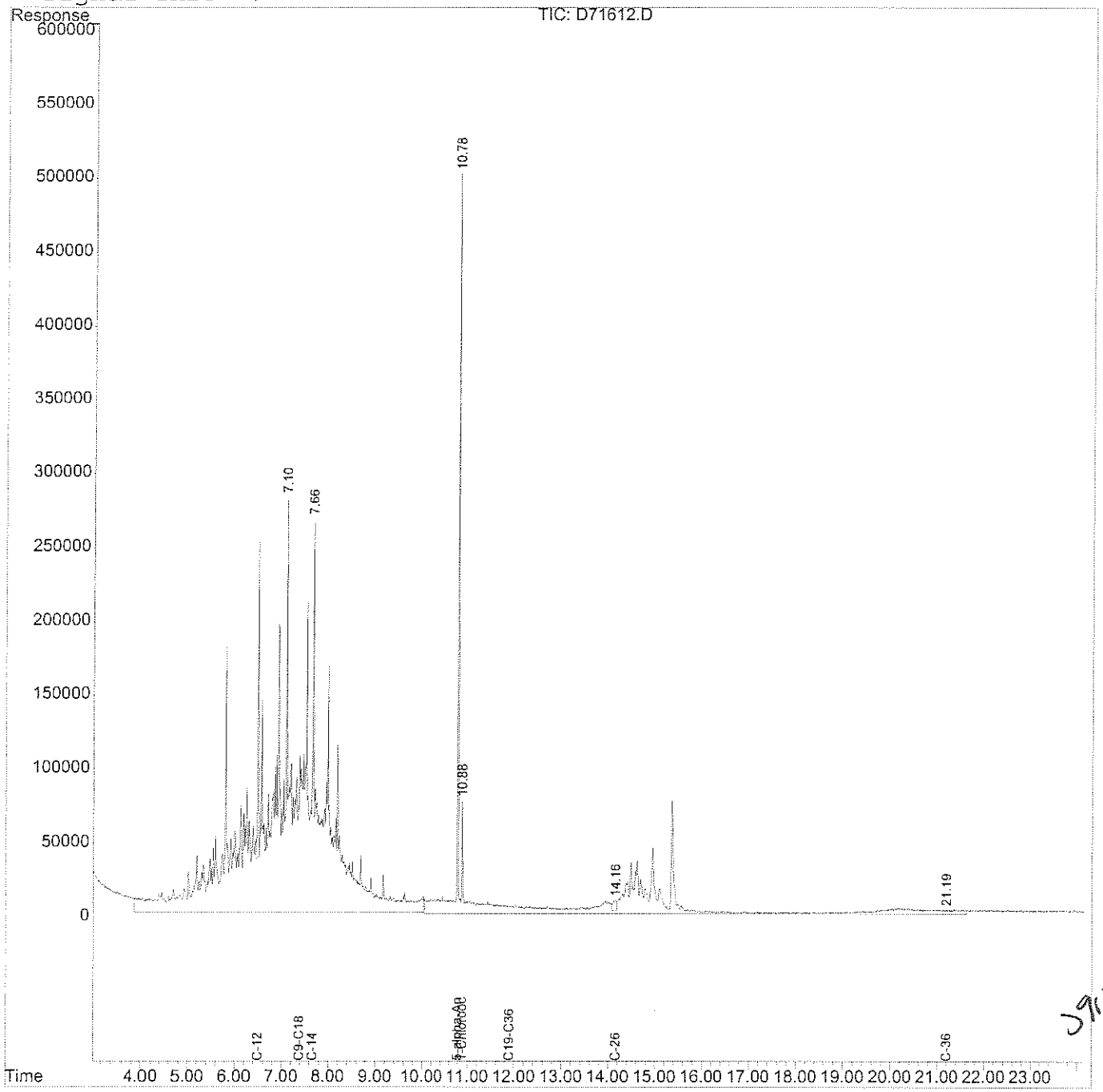
Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71612.D Vial: 20
Acq On : 11 Sep 2010 12:02 pm Operator: AR
Sample : 67722-2 Inst : GC/MS Ins
Misc : SOIL,ALI,1:5 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:22 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

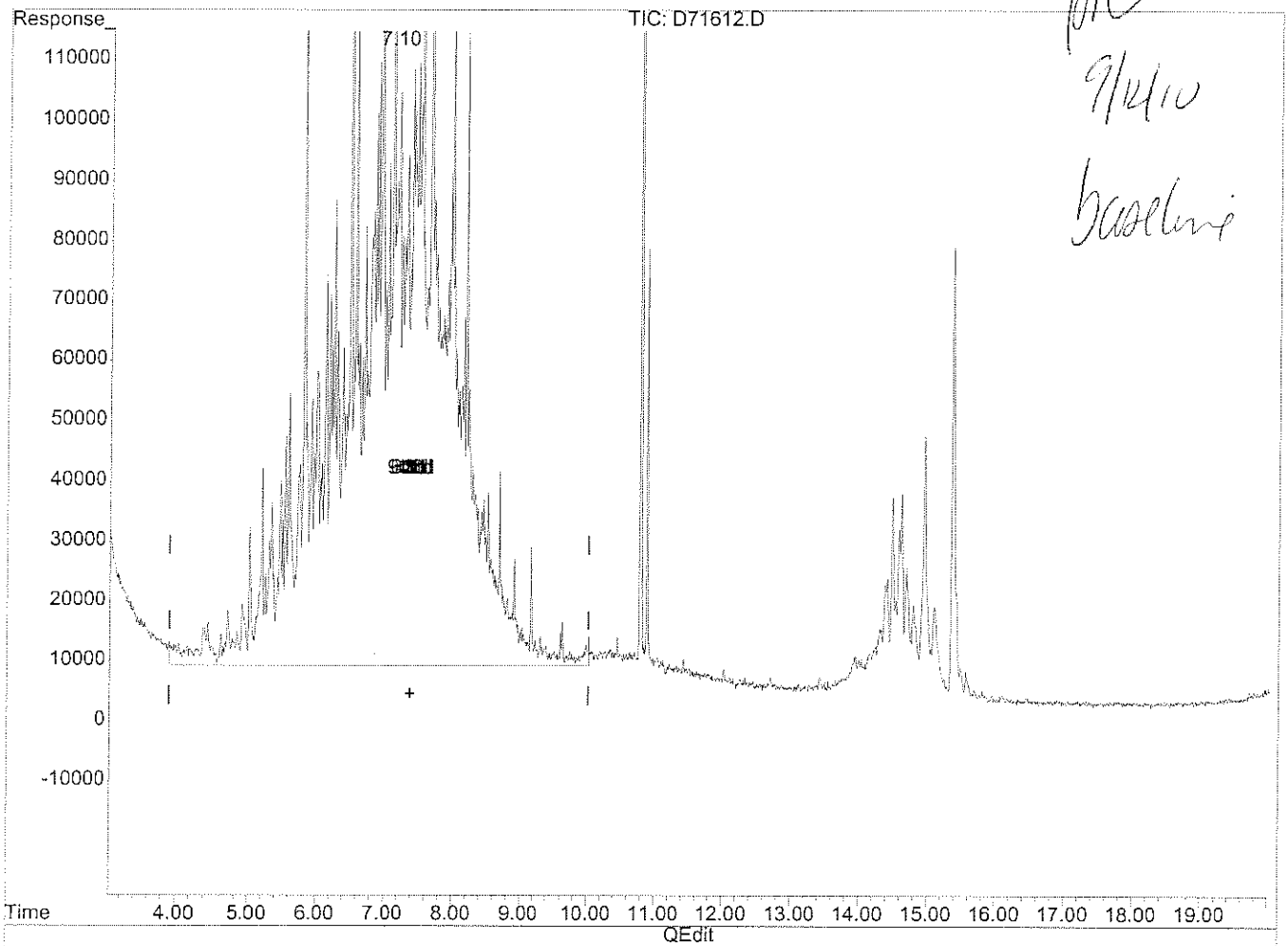


J9/13/10

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71612.D Vial: 20
Acq On : 11 Sep 2010 12:02 pm Operator: AR
Sample : 67722-2 Inst : GC/MS Ins
Misc : SOIL,ALI,1:5 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:21 2010 Quant Results File: ALG80410.RES

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration



9/14/10
baseline

(8) C9-C18 (XH)

7.38min 299.053ug/ml m

response 112331148

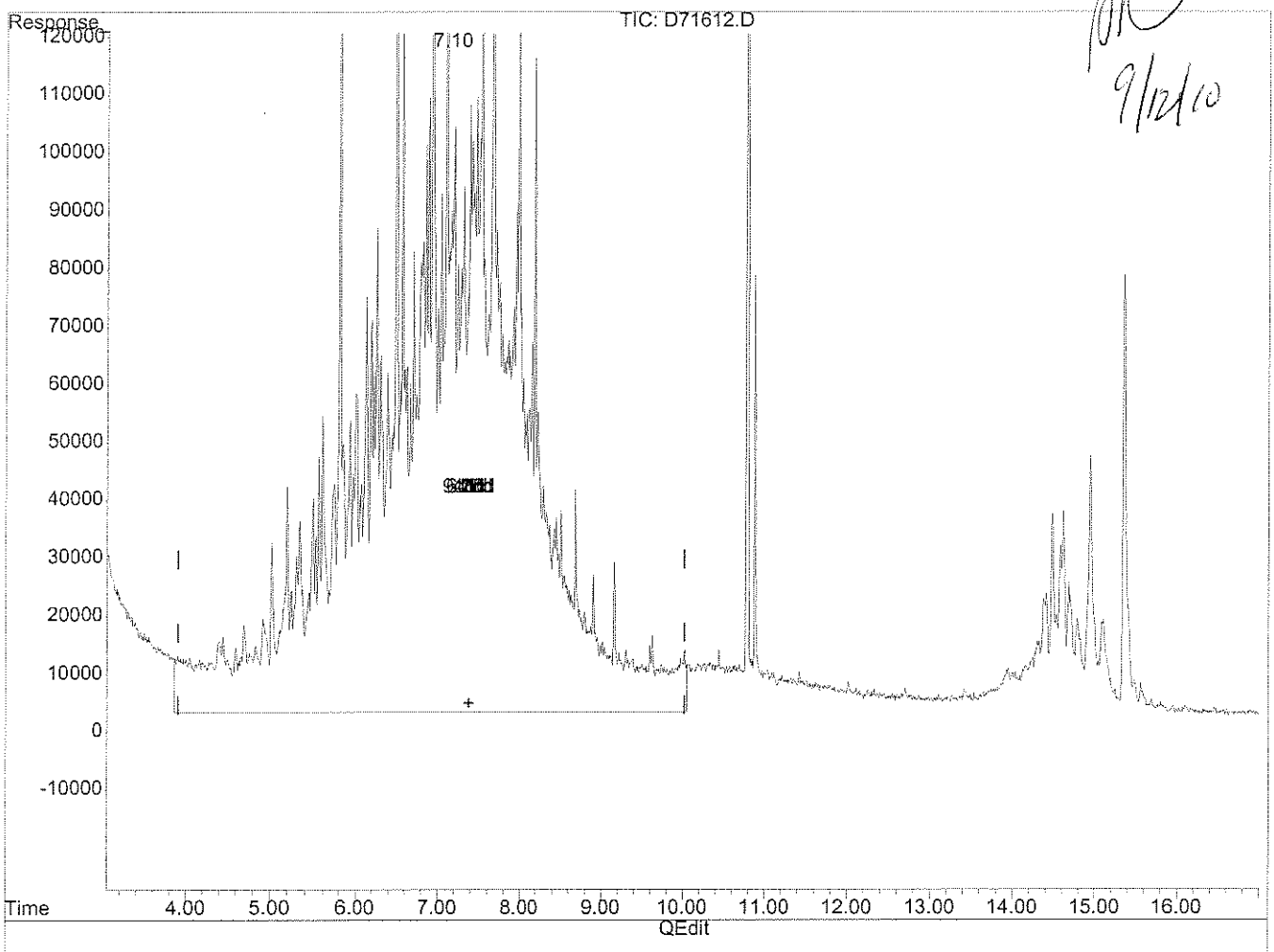
5130

(+) = Expected Retention Time
D71612.D ALG80410.M Sun Sep 12 11:21:39 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71612.D Vial: 20
Acq On : 11 Sep 2010 12:02 pm Operator: AR
Sample : 67722-2 Inst : GC/MS Ins
Misc : SOIL,ALI,1:5 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:21 2010 Quant Results File: ALG80410.RES

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration



9/12/10

(8) C9-C18 (XH)

7.38min 356.977ug/ml m

response 134088794

091310

(+) = Expected Retention Time

D71612.D ALG80410.M Sun Sep 12 11:22:40 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 13, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM3-01

SAMPLE DATA

Lab Sample ID:	67722-3
Matrix:	Solid
Percent Solid:	91
Dilution Factor:	4.2
Collection Date:	09/09/10
Lab Receipt Date:	09/09/10
Extraction Date:	09/09/10
Analysis Date:	09/11/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		113000	µg/kg	**308000**
Diesel PAH Analytes	Naphthalene	1132	µg/kg	U
	2-Methylnaphthalene	1132	µg/kg	U
	Phenanthrene	1132	µg/kg	U
	Acenaphthene	1132	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	1132	µg/kg	U
	Fluorene	1132	µg/kg	U
	Anthracene	1132	µg/kg	U
	Fluoranthene	1132	µg/kg	U
	Pyrene	1132	µg/kg	U
	Benzo[a]anthracene	1132	µg/kg	U
	Chrysene	1132	µg/kg	U
	Benzo[b]fluoranthene	1132	µg/kg	U
	Benzo[k]fluoranthene	1132	µg/kg	U
	Benzo[a]pyrene	1132	µg/kg	U
	Indeno[1,2,3-cd]pyrene	1132	µg/kg	U
	Dibenzo[a,h]anthracene	1132	µg/kg	U
	Benzo[g,h,i]perylene	1132	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		707000	µg/kg	**1740000**
C19-C36 Aliphatic Hydrocarbons[1]		707000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		113000	µg/kg	**308000**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				*
Aromatic Surrogate % Recovery (O-Terphenyl)				84
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				75
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				79
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.
* The surrogate was diluted out.

SIGNATURE: _____

EPH SOIL REPORT

Sample Name: 67722-3

Dilution Factors	ARO	4.24		ALI	26.48
		ug/kg	RESULTS QUALIFIER	RL	
Unadjusted C11-C22 Aromatics		308389		112975	
Naphthalene		U		1130	
2-Methylnaphthalene		U		1130	
Phenanthrene		U		1130	
Acenaphthene		U		1130	
Acenaphthylene		U		1130	
Fluorene		U		1130	
Anthracene		U		1130	
Fluoranthene		U		1130	
Pyrene		U		1130	
Benzo[a]anthracene		U		1130	
Chrysene		U		1130	
Benzo[b] fluoranthene		U		1130	
Benzo[k] fluoranthene		U		1130	
Benzo[a] pyrene		U		1130	
Indeno [1,2,3-cd] pyrene		U		1130	
Dibenz [a,h] anthracene		U		1130	
Benzo(g,h,i) perylene		U		1130	
C9-C18 Aliphatics		1742824		706091	
C19-C36 Aliphatics		U		706091	
C11-C22 Aromatics		308389		112975	
1-Chlorooctadecane (Ali)		D		40-140%	
o-terphenyl (Aro)		84%		40-140%	PASS
2-Fluorobiphenyl (Fraction)		75%		40-140%	PASS
2-Bromonaphthalene (Fraction)		79%		40-140%	PASS

9/12/10

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	D71615.D	---------
Date Acquired	9/11/2010 1:32	---------
Misc Info	SOIL,ARO,1:4	---------
Soil Weight (g)	15.57	15.57
% Solid (divided by 100)	0.9096	0.9096
Final Volume (mL)	2.0	2.0
Dilution (1:X)	4	25
Calculation Factor	564.8731	3530.4571

RAW DATA	Raw	J Flag	Final	Calculated	
AROMATICS	Inst. Amount ug/mL	Inst MDL	Inst Amount	Sample Amt ug/kg	Calibration Fit
Naphthalene	0.57	1.00	0.00	0	Avg RF
2-Methylnaphthalene	0.24	1.00	0.00	0	Avg RF
Acenaphthylene	0.09	1.00	0.00	0	Avg RF
Acenaphthene	0.25	1.00	0.00	0	Avg RF
Fluorene	0.18	1.00	0.00	0	Avg RF
Phenanthrene	0.13	1.00	0.00	0	Avg RF
Anthracene	0.13	1.00	0.00	0	Avg RF
Fluoranthene	0.24	1.00	0.00	0	Avg RF
Pyrene	0.29	1.00	0.00	0	Avg RF
Benzo[a]anthracene	0.02	1.00	0.00	0	Avg RF
Chrysene	0.03	1.00	0.00	0	Avg RF
Benzo[b] fluoranthene	0.00	1.00	0.00	0	Quadratic
Benzo[k] fluoranthene	0.06	1.00	0.00	0	Avg RF
Benzo[a] pyrene	0.74	1.00	0.00	0	Quadratic
Indeno [1,2,3-cd] pyrene	0.00	1.00	0.00	0	Quadratic
Dibenz [a,h] anthracene	0.00	1.00	0.00	0	Quadratic
Benzo(g,h,i) perylene	0.00	1.00	0.00	0	Quadratic
C11-C22	617.652		C11-C22	308389	
ARO Hexane Blank	71.709				
Adjusted C11-C22			Adj C11-C22	308389	
ALIPHATICS					
C9-C18	516.858		C9-C18	1742824	
C9-C18 Hexane Blank	23.204				
C19-C36	106.211		C19-C36	251358	
C19-C36 Hexane Blank	35.014				
Surrogates					
1-Chlorooctadecane (Ali)	0.000			0%	
2-Fluorobiphenyl (Fraction)	3.73			75%	
2-Bromonaphthalene (Fraction)	3.95			79%	
o-terphenyl (Aro)				84%	

J 91310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71615.D Vial: 23
Acq On : 11 Sep 2010 1:32 pm Operator: AR
Sample : 67722-3 Inst : GC/MS Ins
Misc : SOIL,ARO,1:4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 11:25 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	27873	20.00 ug/ml	-0.01

X4

System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.59	172	27525	3.73 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery	= 18.65%#	75
10) 2-Bromonaphthalene	8.26	206	12053	3.95 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery	= 19.75%#	79
11) o-terphenyl	10.10	230	18136	4.20 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery	= 21.00%#	84

Target Compounds					Qvalue
16) Benzo[b] fluoranthene	15.95	252	443	1.46 ug/ml#	58
19) Indeno [1,2,3-cd] pyrene	18.97	276	54	1.77 ug/ml#	45

D91310

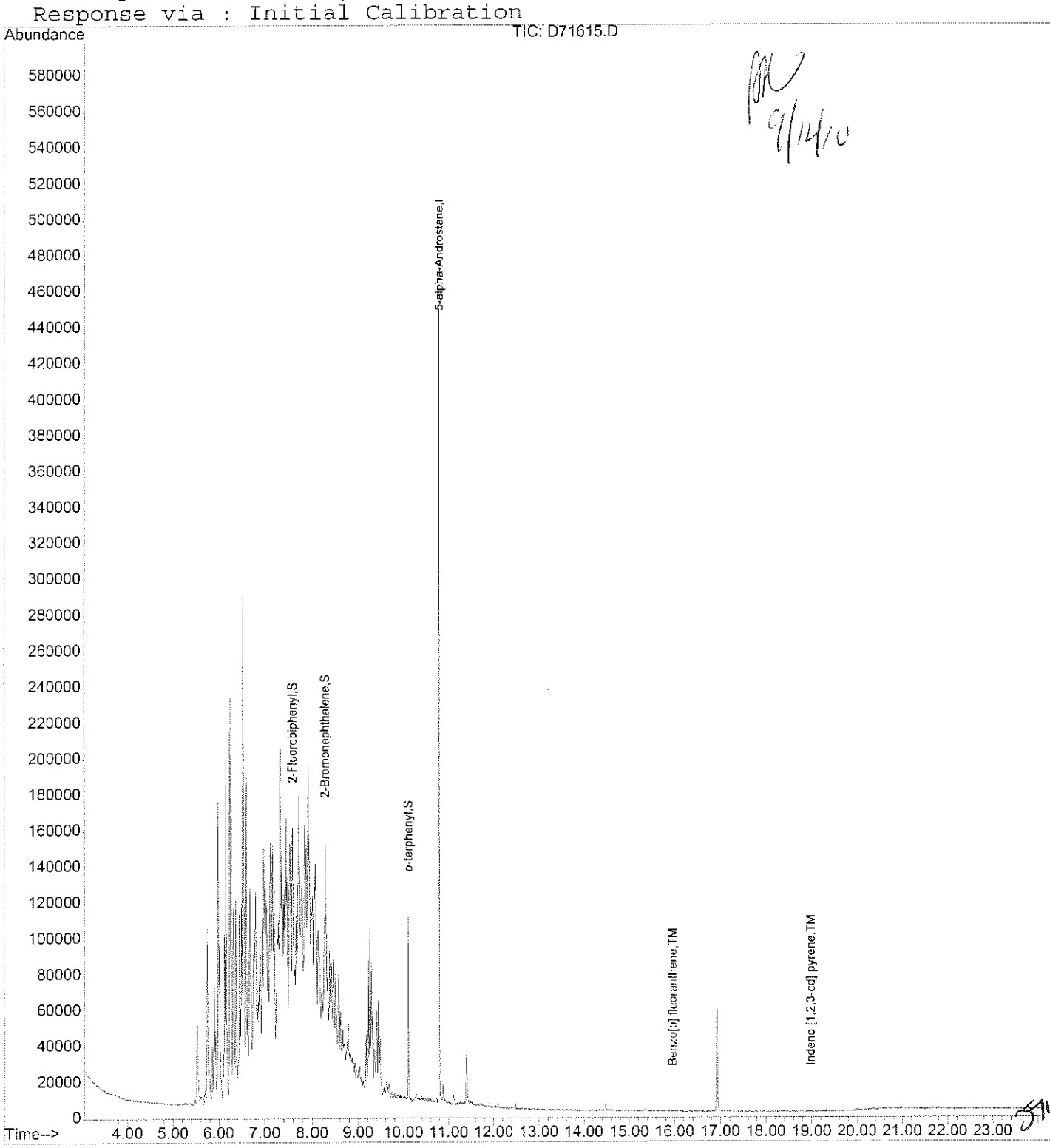
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71615.D
Acq On : 11 Sep 2010 1:32 pm
Sample : 67722-3
Misc : SOIL,ARO,1:4
MS Integration Params: RTEINT.P
Quant Time: Sep 12 11:25 2010

Vial: 23
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/14/10

571310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71615.D Vial: 23
Acq On : 11 Sep 2010 1:32 pm Operator: AR
Sample : 67722-3 Inst : GC/MS Ins
Misc : SOIL,ARO,1:4 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 11:43 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/12/10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5532195	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	1800272	6.595 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	32.98%#
10) S 2-Bromonaphthalene	8.27	2497369	13.158 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	65.79%
11) S o-terphenyl	10.10	1082136	4.177 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	20.88%#
Target Compounds			
2) TZ Naphthalene	6.53	5142354	17.254 ug/ml
3) TZ 2-Methylnaphthalene	7.27	855061	2.965 ug/ml
4) TZ Acenaphthylene	8.11	1041435	3.819 ug/ml
5) TZ Acenaphthene	8.31	404733	<MDL ug/ml
6) TZ Fluorene	8.81	96278	<MDL ug/ml
7) TZ Phenanthrene	9.74	34926	<MDL ug/ml
8) TZ Anthracene	9.84	15741	<MDL ug/ml
12) TZ Fluoranthene	11.11	131831	<MDL ug/ml
13) TZ Pyrene	11.39	594480	2.161 ug/ml
14) TZ Benzo[a]anthracene	13.53	9491	1.227 ug/ml
15) TZ Chrysene	13.62	20830	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	15.83	25966	1.357 ug/ml
17) TZ Benzo[k] fluoranthene	15.90	20389	<MDL ug/ml
18) TZ Benzo[a] pyrene	16.55	7254	1.035 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.82	17411	2.096 ug/ml
20) TZ Dibenz [a,h] anthracene	18.89	6992	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	19.31	5001	<MDL ug/ml
22) XH c11-c22	11.73	148904190	617.652 ug/ml

71.709

59130

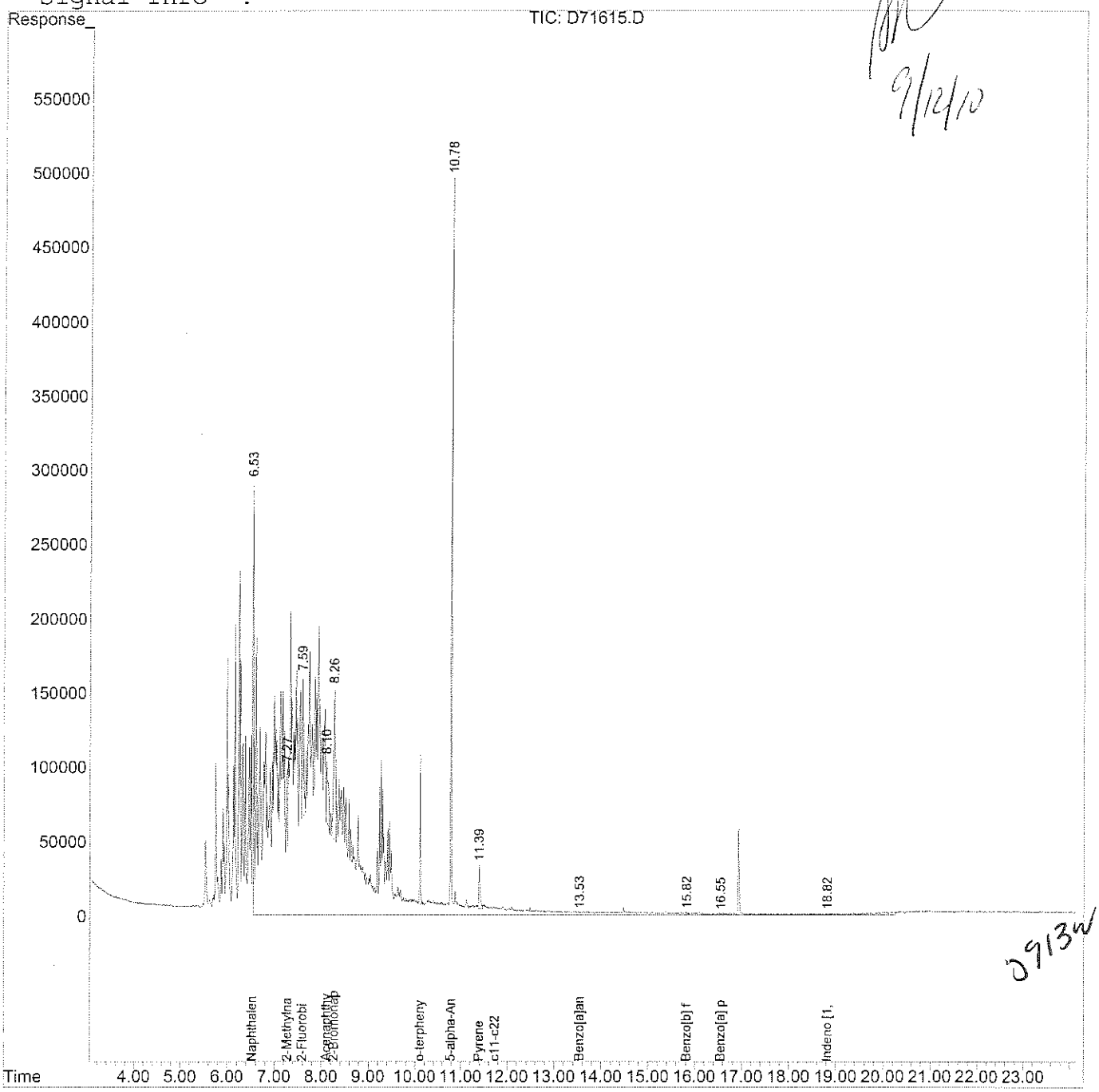
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71615.D Vial: 23
Acq On : 11 Sep 2010 1:32 pm Operator: AR
Sample : 67722-3 Inst : GC/MS Ins
Misc : SOIL,ARO,1:4 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 11:43 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



9/12/10

D713W

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71613.D Vial: 21
Acq On : 11 Sep 2010 12:32 pm Operator: AR
Sample : 67722-3 Inst : GC/MS Ins
Misc : SOIL,ALI,1:25 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:23 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/14/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5483667	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	211024	<MDL ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
Target Compounds			
2) TZM C-9	4.00	2439	<MDL ug/ml
3) TZM C-10	5.03	30688	<MDL ug/ml
4) TZM C-12	6.49	5148712	13.768 ug/ml
5) TZM C-14	7.66	3962124	10.330 ug/ml
6) TZM C-16	8.69	370850	1.002 ug/ml
7) TZM C-18	9.60	27745	<MDL ug/ml
8) XH C9-C18	7.38	188196639	516.858 ug/ml
9) TZM C-19	10.02	102469	<MDL ug/ml
10) TZM C-20	10.45	34356	<MDL ug/ml
12) TZM C-22	11.43	27201	<MDL ug/ml
13) TZM C-24	12.70	20666	<MDL ug/ml
14) TZM C-26	14.18	121296	<MDL ug/ml
15) TZM C-28	15.73	6476	<MDL ug/ml
16) TZM C-30	17.23	7766	<MDL ug/ml
17) TZM C-36	21.30	21703	4.153 ug/ml
18) XH C19-C36	11.90	32088079	106.211 ug/ml

23.204/35.014
5913W

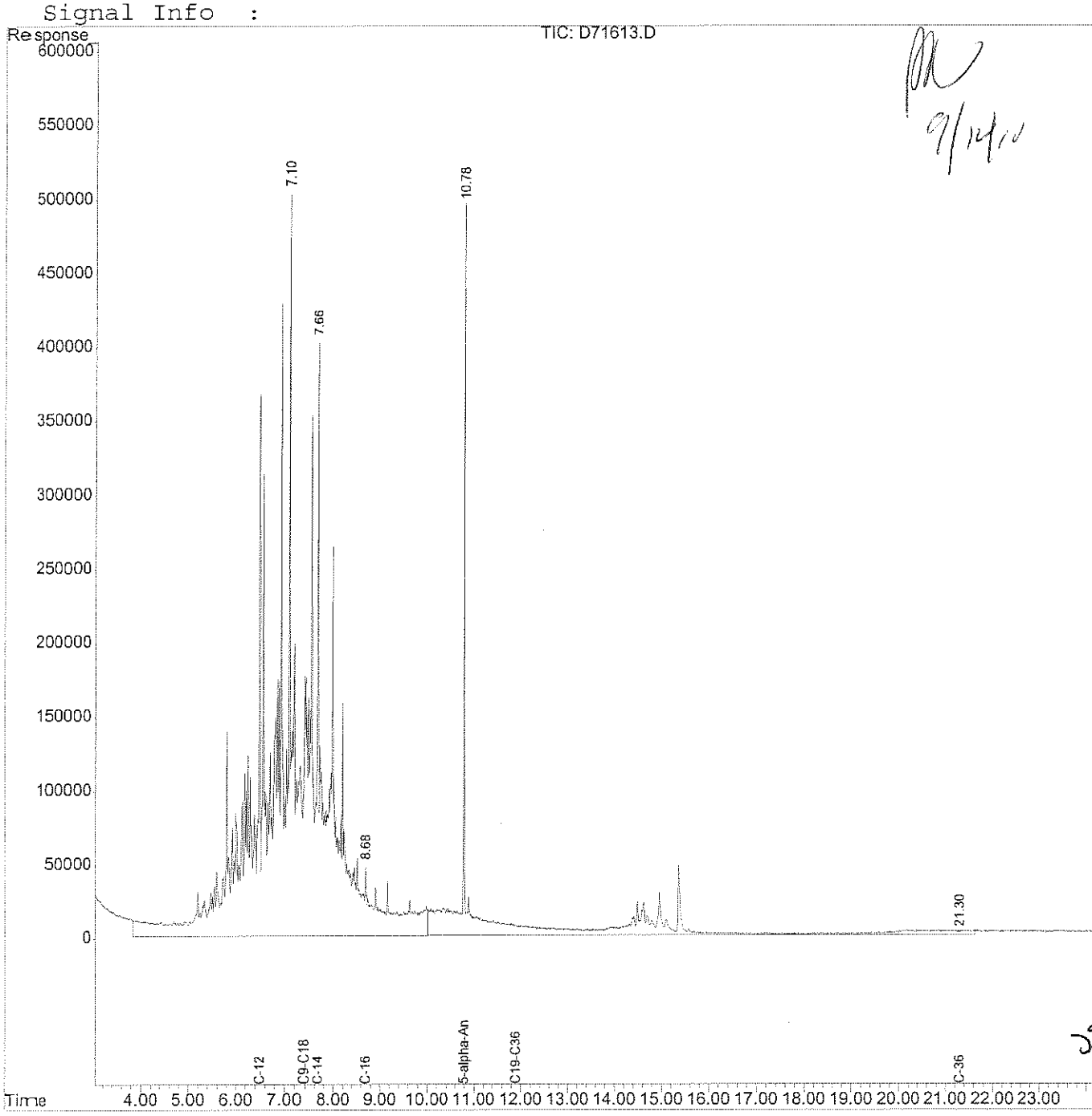
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71613.D Vial: 21
Acq On : 11 Sep 2010 12:32 pm Operator: AR
Sample : 67722-3 Inst : GC/MS Ins
Misc : SOIL,ALI,1:25 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:23 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



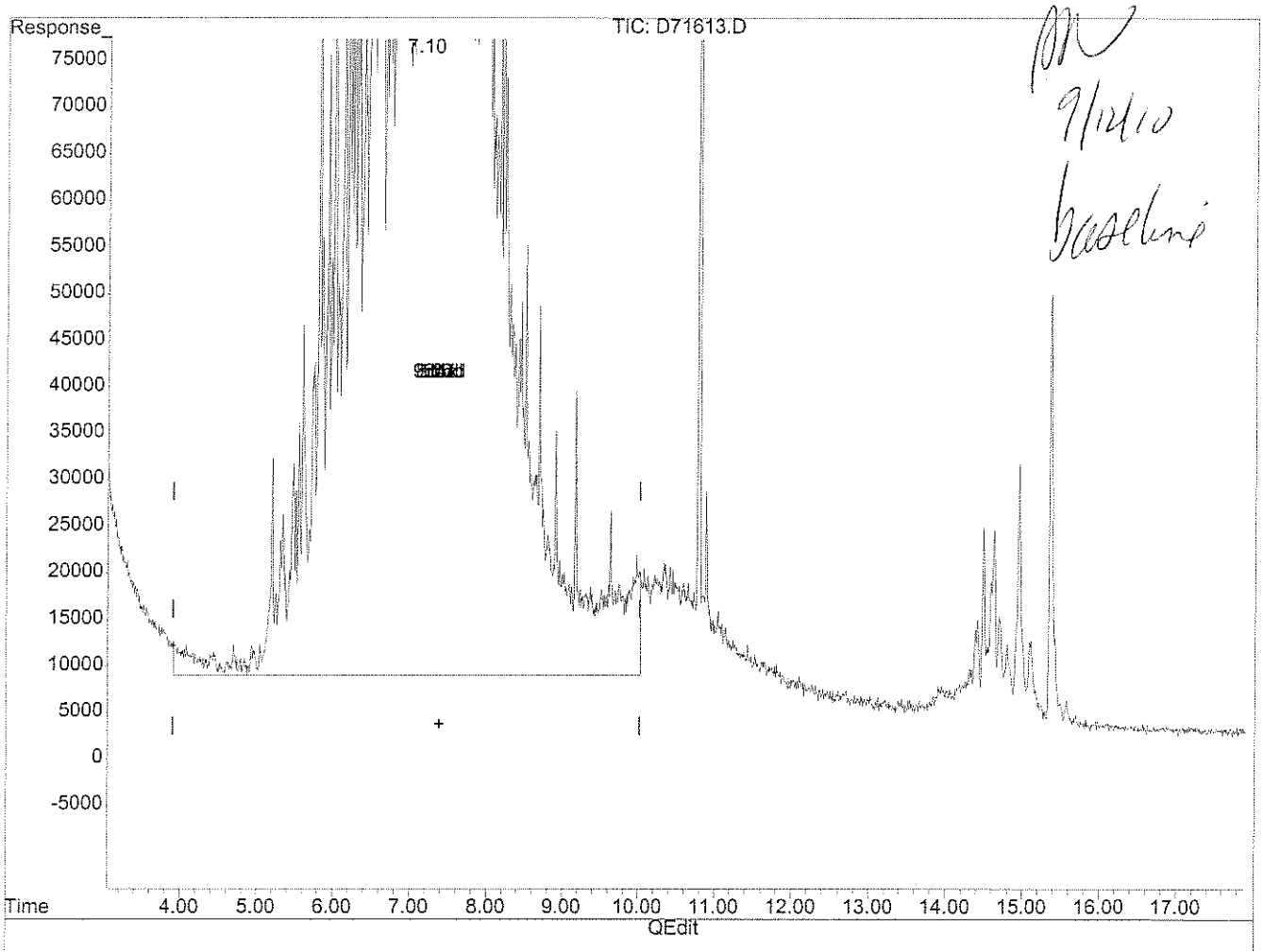
9/14/10

D713W

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71613.D Vial: 21
Acq On : 11 Sep 2010 12:32 pm Operator: AR
Sample : 67722-3 Inst : GC/MS Ins
Misc : SOIL,ALI,1:25 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:22 2010 Quant Results File: ALG80410.RES

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration



9/12/10
baseline

(8) C9-C18 (XH)

7.38min 445.444ug/ml m

response 162193694

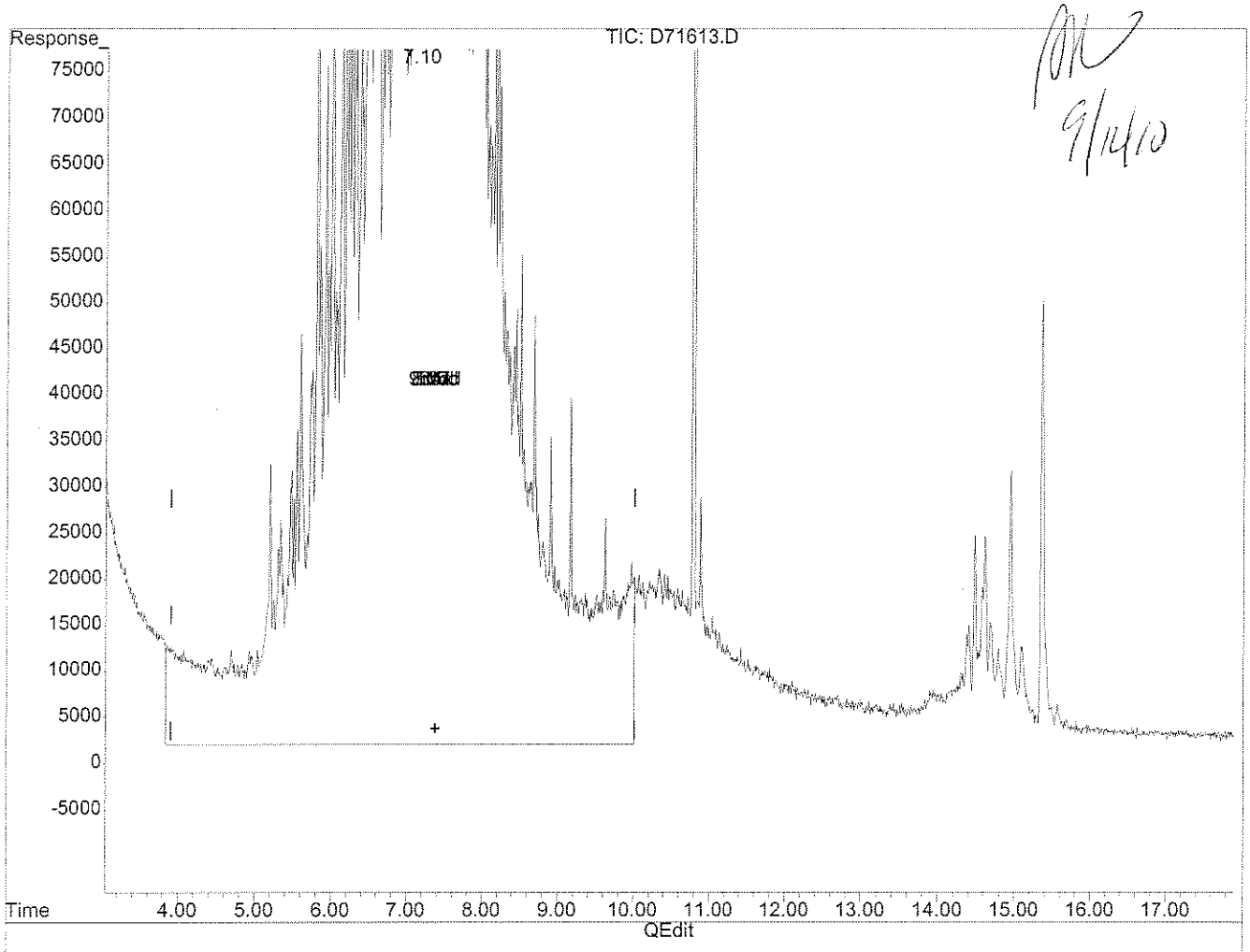
091310

(+) = Expected Retention Time
D71613.D ALG80410.M Sun Sep 12 11:23:29 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71613.D Vial: 21
Acq On : 11 Sep 2010 12:32 pm Operator: AR
Sample : 67722-3 Inst : GC/MS Ins
Misc : SOIL,ALI,1:25 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:22 2010 Quant Results File: ALG80410.RES

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration



9/14/10

(8) C9-C18 (XH)

7.38min 516.858ug/ml m

response 188196639

091310

(+) = Expected Retention Time

D71613.D ALG80410.M Sun Sep 12 11:23:47 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 13, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM3-11

SAMPLE DATA

Lab Sample ID:	67722-4
Matrix:	Solid
Percent Solid:	92
Dilution Factor:	2.1
Collection Date:	09/09/10
Lab Receipt Date:	09/09/10
Extraction Date:	09/09/10
Analysis Date:	09/11/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		55500	µg/kg	**273000**
Diesel PAH Analytes	Naphthalene	555	µg/kg	U
	2-Methylnaphthalene	555	µg/kg	U
	Phenanthrene	555	µg/kg	U
	Acenaphthene	555	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	555	µg/kg	U
	Fluorene	555	µg/kg	U
	Anthracene	555	µg/kg	U
	Fluoranthene	555	µg/kg	U
	Pyrene	555	µg/kg	U
	Benzo[a]anthracene	555	µg/kg	U
	Chrysene	555	µg/kg	U
	Benzo[b]fluoranthene	555	µg/kg	U
	Benzo[k]fluoranthene	555	µg/kg	U
	Benzo[a]pyrene	555	µg/kg	U
	Indeno[1,2,3-cd]pyrene	555	µg/kg	U
	Dibenzo[a,h]anthracene	555	µg/kg	U
	Benzo[g,h,i]perylene	555	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		696000	µg/kg	**1550000**
C19-C36 Aliphatic Hydrocarbons[1]		696000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		55500	µg/kg	**273000**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				*
Aromatic Surrogate % Recovery (O-Terphenyl)				82
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				71
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				75
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.
* The surrogate was diluted out.

SIGNATURE:

EPH SOIL REPORT

Sample Name: 67722-4

Dilution Factors	ARO	2.08		ALI	26.05
		ug/kg	RESULTS QUALIFIER	RL	
Unadjusted C11-C22 Aromatics		273159		55567	
Naphthalene		U		556	
2-Methylnaphthalene		U		556	
Phenanthrene		U		556	
Acenaphthene		U		556	
Acenaphthylene		U		556	
Fluorene		U		556	
Anthracene		U		556	
Fluoranthene		U		556	
Pyrene		U		556	
Benzo[a]anthracene		U		556	
Chrysene		U		556	
Benzo[b] fluoranthene		U		556	
Benzo[k] fluoranthene		U		556	
Benzo[a] pyrene		U		556	
Indeno [1,2,3-cd] pyrene		U		556	
Dibenz [a,h] anthracene		U		556	
Benzo(g,h,i) perylene		U		556	
C9-C18 Aliphatics		1552225		694582	
C19-C36 Aliphatics		U		694582	
C11-C22 Aromatics		273159		55567	
1-Chlorooctadecane (Ali)		D		40-140%	
o-terphenyl (Aro)		82%		40-140%	PASS
2-Fluorobiphenyl (Fraction)		71%		40-140%	PASS
2-Bromonaphthalene (Fraction)		75%		40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	D71616.D	---------
Date Acquired	9/11/2010 2:02	---------
Misc Info	SOIL,ARO,1:2	---------
Soil Weight (g)	15.69	15.69
% Solid (divided by 100)	0.9176	0.9176
Final Volume (mL)	2.0	2.0
Dilution (1:X)	2	25
Calculation Factor	277.8329	3472.9110

RAW DATA **AROMATICS**	Raw Inst. Amount ug/mL	J Flag Inst MDL	Final Inst Amount	Calculated Sample Amt ug/kg	Calibration Fit
Naphthalene	0.00	1.00	0.00	0	Avg RF
2-Methylnaphthalene	0.28	1.00	0.00	0	Avg RF
Acenaphthylene	0.16	1.00	0.00	0	Avg RF
Acenaphthene	0.23	1.00	0.00	0	Avg RF
Fluorene	0.28	1.00	0.00	0	Avg RF
Phenanthrene	0.26	1.00	0.00	0	Avg RF
Anthracene	0.25	1.00	0.00	0	Avg RF
Fluoranthene	0.43	1.00	0.00	0	Avg RF
Pyrene	0.57	1.00	0.00	0	Avg RF
Benzo[a]anthracene	0.04	1.00	0.00	0	Avg RF
Chrysene	0.05	1.00	0.00	0	Avg RF
Benzo[b] fluoranthene	0.00	1.00	0.00	0	Quadratic
Benzo[k] fluoranthene	0.17	1.00	0.00	0	Avg RF
Benzo[a] pyrene	0.81	1.00	0.00	0	Quadratic
Indeno [1,2,3-cd] pyrene	0.00	1.00	0.00	0	Quadratic
Dibenz [a,h] anthracene	0.00	1.00	0.00	0	Quadratic
Benzo(g,h,i) perylene	0.75	1.00	0.00	0	Quadratic
C11-C22	1054.886		C11-C22	273159	
ARO Hexane Blank	71.709				
Adjusted C11-C22			Adj C11-C22	273159	
ALIPHATICS					
C9-C18	470.156		C9-C18	1552225	
C9-C18 Hexane Blank	23.204				
C19-C36	97.453		C19-C36	216845	
C19-C36 Hexane Blank	35.014				
Surrogates					
1-Chlorooctadecane (Ali)	0.000			0%	
2-Fluorobiphenyl (Fraction)	7.12			71%	
2-Bromonaphthalene (Fraction)	7.51			75%	
o-terphenyl (Aro)	8.19			82%	

9/14/10

571310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71616.D Vial: 24
Acq On : 11 Sep 2010 2:02 pm Operator: AR
Sample : 67722-4 Inst : GC/MS Ins
Misc : SOIL,ARO,1:2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 11:26 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/12/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	10.78	95	29342	20.00	ug/ml	-0.02

System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.59	172	55266	7.12	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	=	35.60%#	
10) 2-Bromonaphthalene	8.26	206	24136	7.51	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	=	37.55%#	
11) o-terphenyl	10.10	230	37222	8.19	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	=	40.95%	

Target Compounds						Qvalue
2) Naphthalene	6.53	128	12136	1.03	ug/ml#	1
16) Benzo[b] fluoranthene	15.93	252	1204	1.56	ug/ml#	67
19) Indeno [1,2,3-cd] pyrene	18.95	276	452	1.84	ug/ml#	60

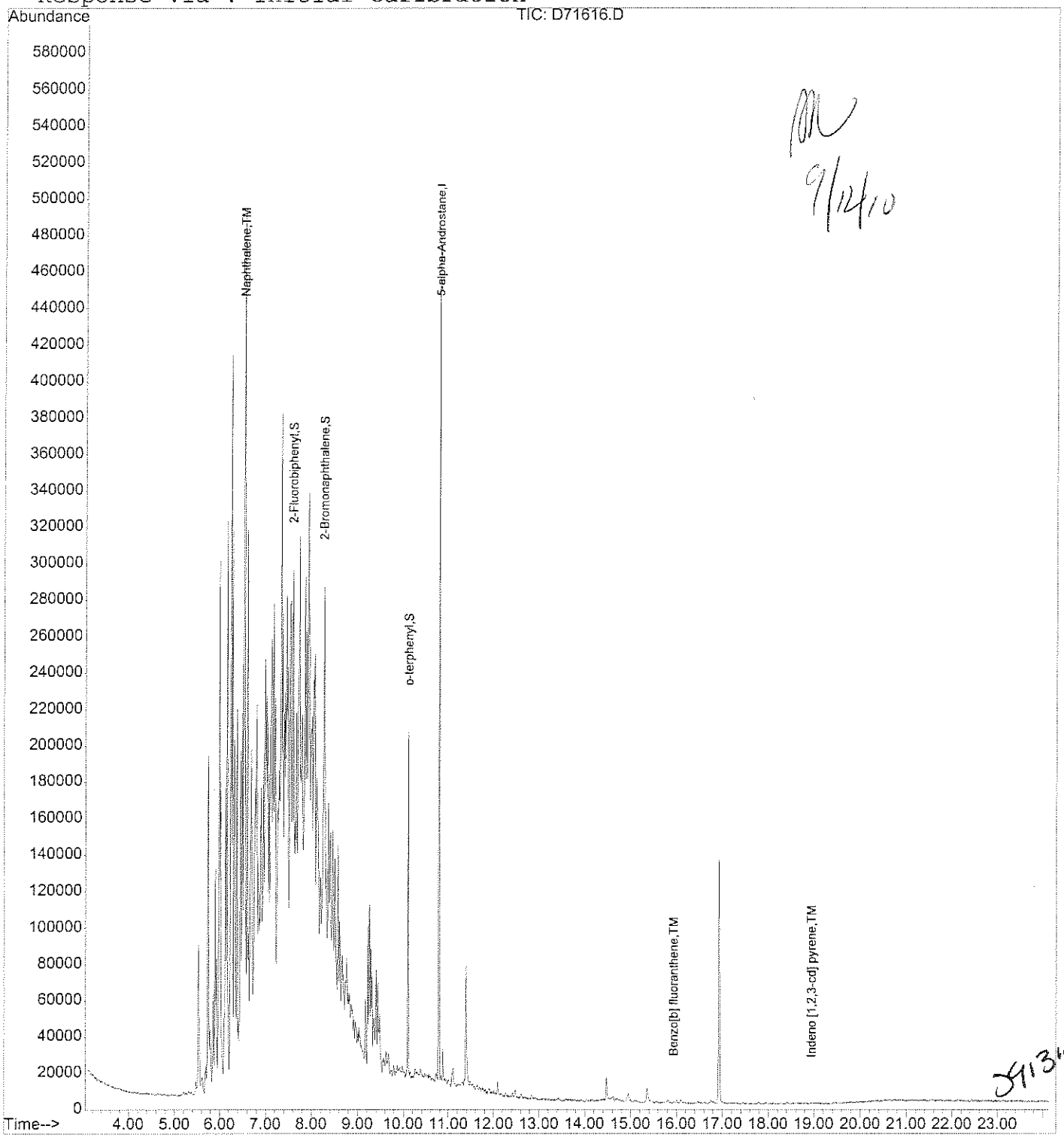
>91320

(#) = qualifier out of range (m) = manual integration
D71616.D ARM80410.M Sun Sep 12 11:26:00 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71616.D Vial: 24
Acq On : 11 Sep 2010 2:02 pm Operator: AR
Sample : 67722-4 Inst : GC/MS Ins
Misc : SOIL,ARO,1:2 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 11:26 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/12/10

J1310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71616.D Vial: 24
Acq On : 11 Sep 2010 2:02 pm Operator: AR
Sample : 67722-4 Inst : GC/MS Ins
Misc : SOIL,ARO,1:2 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 11:43 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5724820	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	3095529	10.958 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	54.79%
10) S 2-Bromonaphthalene	8.26	4597736	23.409 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	117.05%
11) S o-terphenyl	10.10	2102079	7.841 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	39.20%#
Target Compounds			
2) TZ Naphthalene	6.53	9009703	29.213 ug/ml
3) TZ 2-Methylnaphthalene	7.26	1161468	3.892 ug/ml
4) TZ Acenaphthylene	8.11	1692520	5.997 ug/ml
5) TZ Acenaphthene	8.31	693183	1.679 ug/ml
6) TZ Fluorene	8.83	224250	<MDL ug/ml
7) TZ Phenanthrene	9.79	89972	<MDL ug/ml
8) TZ Anthracene	9.79	89972	<MDL ug/ml
12) TZ Fluoranthene	11.12	256339	<MDL ug/ml
13) TZ Pyrene	11.39	1257399	4.417 ug/ml
14) TZ Benzo[a]anthracene	13.54	16010	1.250 ug/ml
15) TZ Chrysene	13.62	13699	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	15.86	18612	1.320 ug/ml
17) TZ Benzo[k] fluoranthene	15.94	26625	<MDL ug/ml
18) TZ Benzo[a] pyrene	16.55	12872	1.060 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.82	17954	2.096 ug/ml
20) TZ Dibenz [a,h] anthracene	18.88	4683	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	19.34	2319	<MDL ug/ml
22) XH c11-c22	11.73	263168047	1054.886 ug/ml

71.709 091310

(f)=RT Delta > 1/2 Window (m)=manual int.

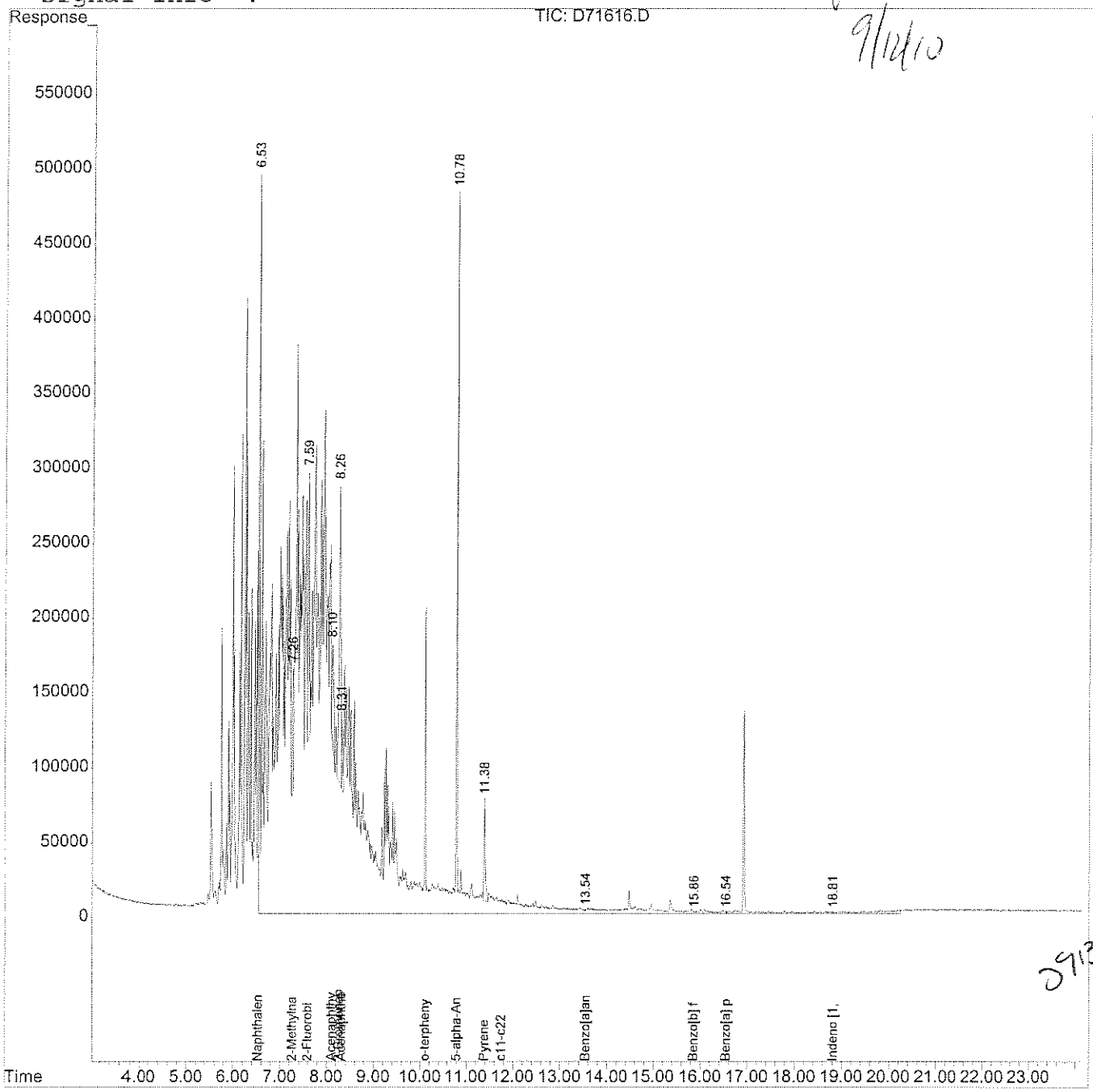
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71616.D Vial: 24
Acq On : 11 Sep 2010 2:02 pm Operator: AR
Sample : 67722-4 Inst : GC/MS Ins
Misc : SOIL,ARO,1:2 Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 11:43 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/14/10



091310

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71614.D Vial: 22
Acq On : 11 Sep 2010 1:02 pm Operator: AR
Sample : 67722-4 Inst : GC/MS Ins
Misc : SOIL,ALI,1:25 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:25 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PM 9/14/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5638294	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	236622	<MDL ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
Target Compounds			
2) TZM C-9	4.00	16752	<MDL ug/ml
3) TZM C-10	5.04	44160	<MDL ug/ml
4) TZM C-12	6.49	4266419	11.096 ug/ml
5) TZM C-14	7.66	3743799	9.494 ug/ml
6) TZM C-16	8.69	271798	<MDL ug/ml
7) TZM C-18	9.63	181956	<MDL ug/ml
8) XH C9-C18	7.38	176019074	470.156 ug/ml
9) TZM C-19	10.00	119156	<MDL ug/ml
10) TZM C-20	10.49	91232	<MDL ug/ml
12) TZM C-22	11.40	42242	<MDL ug/ml
13) TZM C-24	12.69	16267	<MDL ug/ml
14) TZM C-26	14.17	96734	<MDL ug/ml
15) TZM C-28	15.70	23493	<MDL ug/ml
16) TZM C-30	17.21	13522	<MDL ug/ml
17) TZM C-36	21.27	11039	4.099 ug/ml
18) XH C19-C36	11.90	30272301	97.453 ug/ml

23.204/35.014

591310

(f)=RT Delta > 1/2 Window (m)=manual int.

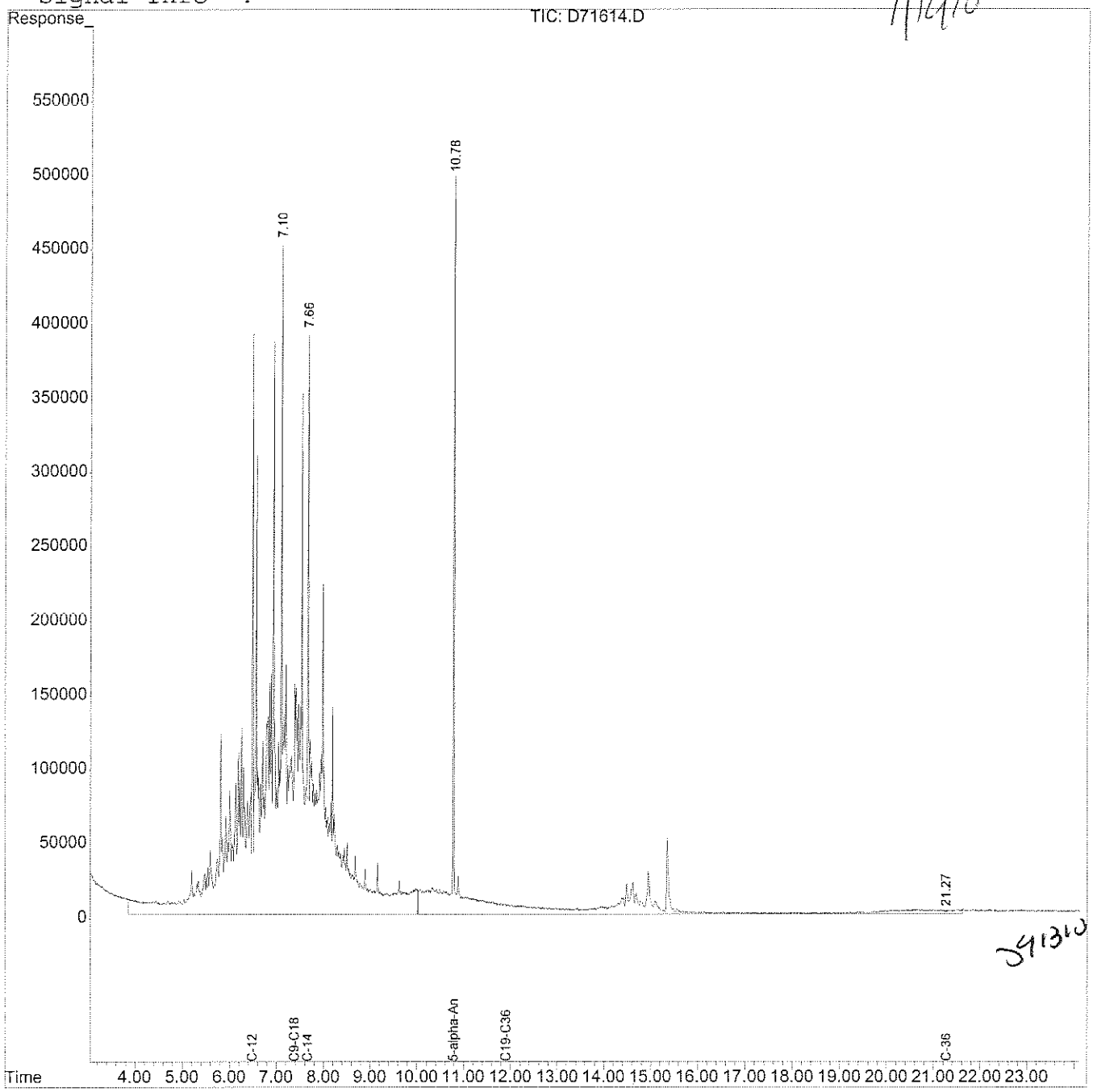
Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71614.D Vial: 22
Acq On : 11 Sep 2010 1:02 pm Operator: AR
Sample : 67722-4 Inst : GC/MS Ins
Misc : SOIL,ALI,1:25 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:25 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

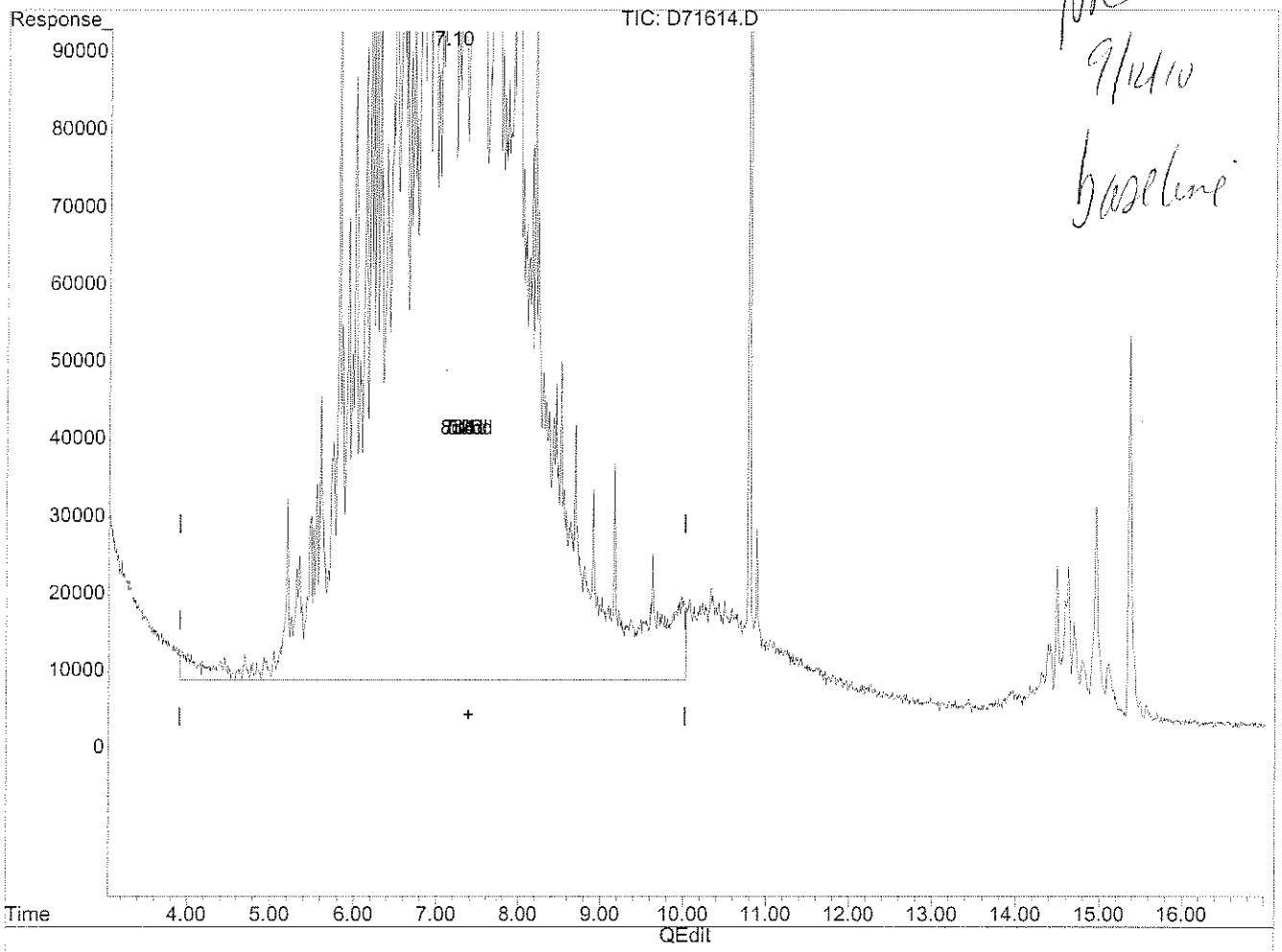


J91310

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71614.D Vial: 22
Acq On : 11 Sep 2010 1:02 pm Operator: AR
Sample : 67722-4 Inst : GC/MS Ins
Misc : SOIL,ALI,1:25 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:24 2010 Quant Results File: ALG80410.RES

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration



9/14/10
baseline

(8) C9-C18 (XH)

7.38min 408.174ug/ml m

response 152813720

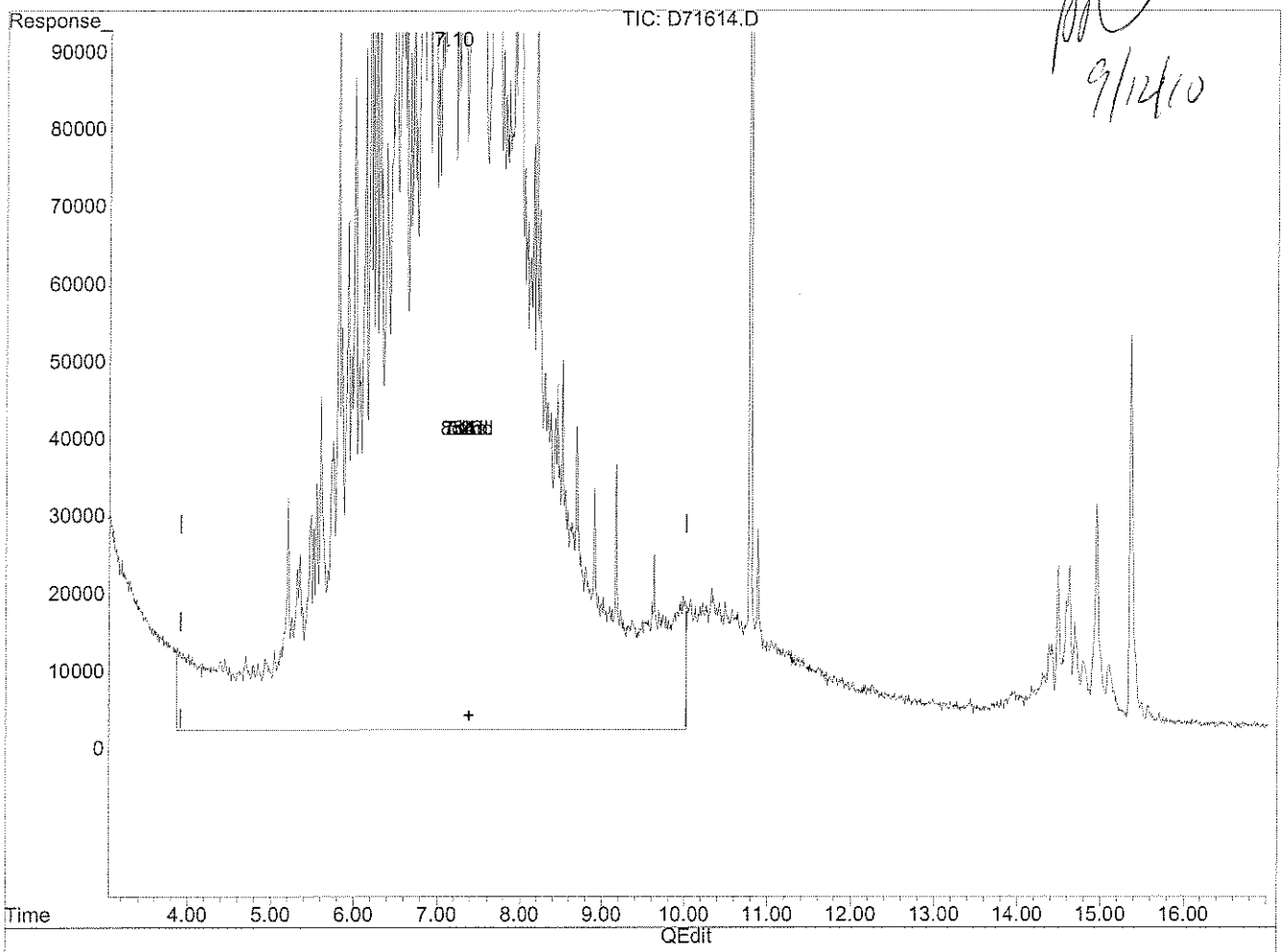
591310

(+) = Expected Retention Time
D71614.D ALG80410.M Sun Sep 12 11:24:53 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71614.D Vial: 22
Acq On : 11 Sep 2010 1:02 pm Operator: AR
Sample : 67722-4 Inst : GC/MS Ins
Misc : SOIL,ALI,1:25 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:24 2010 Quant Results File: ALG80410.RES

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration



9/12/10

(8) C9-C18 (XH)

7.38min 470.156ug/ml m

response 176019074

D913W

(+) = Expected Retention Time
D71614.D ALG80410.M Sun Sep 12 11:25:05 2010

EPH
QC FORMS

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722

SAMPLE ID	SMC 1 (%)	#
B090910EASE	69	
L090910EASE	66	
LD090910EASE	71	
67722-1	68	
67722-2	68	
67722-3	52	
67722-4	59	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B090910EASE	76		67		83	
L090910EASE	65		60		76	
LD090910EASE	68		63		76	
67722-1	66		86		75	
67722-2	73		73		79	
67722-3	74		82		84	
67722-4	70		81		90	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722

SAMPLE ID	SMC 1 (%)	#
B090910EASE,,RR	64	
67722-1	D	
67722-2	59	
67722-3	D	
67722-4	D	
67722-2,MS	63	
67722-2,MSD	60	
S10042 ALI 40	80	
S10042 ALI 40	82	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B090910EASE,,RR	83		74		91	
67722-3	75		79		84	
67722-4	71		75		82	
67722-2,MS	77		75		83	
67722-2,MSD	72		74		72	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

9/12/10

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B090910EASE
Spike: L090910EASE
Spike duplicate: LD090910EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3333	3333	30	140	25	0	2039	61		2000	60		2	
C-10	3333	3333	40	140	25	0	2348	70		2425	73		3	
C-12	3333	3333	40	140	25	0	2455	74		2518	76		3	
C-14	3333	3333	40	140	25	0	2555	77		2638	79		3	
C-16	3333	3333	40	140	25	0	2662	80		2733	82		3	
C-18	3333	3333	40	140	25	0	2739	82		2767	83		1	
C-19	3333	3333	40	140	25	0	2758	83		2867	86		4	
C-20	3333	3333	40	140	25	0	2756	83		2888	87		5	
C-22	3333	3333	40	140	25	0	2703	81		2753	83		2	
C-24	3333	3333	40	140	25	0	2503	75		2637	79		5	
C-26	3333	3333	40	140	25	0	2479	74		2384	72		4	
C-28	3333	3333	40	140	25	0	2183	65		2408	72		10	
C-30	3333	3333	40	140	25	0	2044	61		2260	68		10	
C-36	3333	3333	40	140	25	0	1561	47		1834	55		16	

C9-C18 Aliphatics	20000	20000	40	140	25	0	14799	74		15080	75		2	
C19-C36 Aliphatics	26667	26667	40	140	25	0	18987	71		20031	75		5	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 291310

EPH ALI FORM 3

EPH ALIPHATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B090910EASE
Spike: L090910EASE
Spike duplicate: LD090910EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3333	3333	30	140	25	0	2039	61		2000	60		2	
C-10	3333	3333	40	140	25	0	2348	70		2425	73		3	
C-12	3333	3333	40	140	25	0	2455	74		2518	76		3	
C-14	3333	3333	40	140	25	0	2555	77		2638	79		3	
C-16	3333	3333	40	140	25	0	2662	80		2733	82		3	
C-18	3333	3333	40	140	25	0	2739	82		2767	83		1	
C-19	3333	3333	40	140	25	0	2758	83		2867	86		4	
C-20	3333	3333	40	140	25	0	2756	83		2888	87		5	
C-22	3333	3333	40	140	25	0	2703	81		2753	83		2	
C-24	3333	3333	40	140	25	0	2503	75		2637	79		5	
C-26	3333	3333	40	140	25	0	2479	74		2384	72		4	
C-28	3333	3333	40	140	25	0	2183	65		2408	72		10	
C-30	3333	3333	40	140	25	0	2044	61		2260	68		10	
C-36	3333	3333	40	140	25	0	1561	47		1834	55		16	
C9-C18 Aliphatics	20000	20000	40	140	25	0	14799	74		15080	75		2	
C19-C36 Aliphatics	26667	26667	40	140	25	0	18987	71		20031	75		5	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71587Q.D Vial: 6
Acq On : 10 Sep 2010 11:13 pm Operator: AR
Sample : L090910EASE Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:54 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

MV 9/12/10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5370291	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.89	4343530	13.180 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	65.90%
Target Compounds			
2) TZM C-9	4.03	5100068	15.294 ug/ml
3) TZM C-10	5.02	6006631	17.614 ug/ml
4) TZM C-12	6.49	6743897	18.414 ug/ml
5) TZM C-14	7.67	7196449	19.159 ug/ml
6) TZM C-16	8.69	7240026	19.969 ug/ml
7) TZM C-18	9.60	7408551	20.543 ug/ml
8) XH C9-C18	7.38	51751699	145.130 ug/ml
9) TZM C-19	10.03	7379329	20.687 ug/ml
10) TZM C-20	10.45	7226586	20.671 ug/ml
12) TZM C-22	11.43	7021598	20.274 ug/ml
13) TZM C-24	12.71	6241074	18.775 ug/ml
14) TZM C-26	14.18	5724258	18.592 ug/ml
15) TZM C-28	15.71	4423004	16.371 ug/ml
16) TZM C-30	17.22	3728167	15.327 ug/ml
17) TZM C-36	21.26	1543390	11.710 ug/ml
18) XH C19-C36	11.90	53390486	180.453 ug/ml

J91310

(f)=RT Delta > 1/2 Window (m)=manual int.

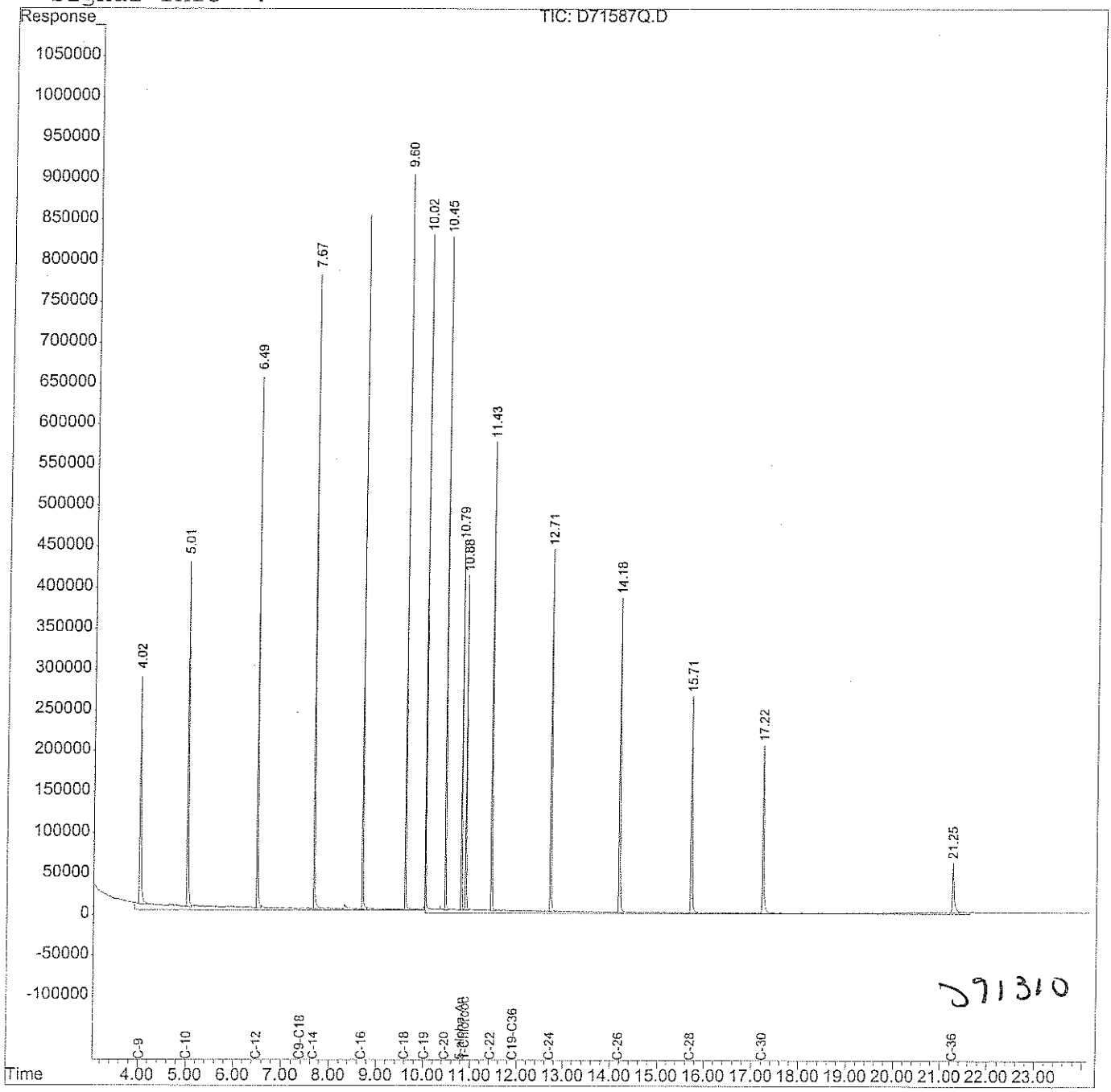
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71587Q.D Vial: 6
Acq On : 10 Sep 2010 11:13 pm Operator: AR
Sample : L090910EASE Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:54 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



D71310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71588Q.D Vial: 7
Acq On : 10 Sep 2010 11:43 pm Operator: AR
Sample : LD090910EASE Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:54 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5600074	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.89	4887311	14.221 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	71.10%
Target Compounds			
2) TZM C-9	4.03	5215452	14.998 ug/ml
3) TZM C-10	5.02	6466951	18.185 ug/ml
4) TZM C-12	6.49	7211045	18.882 ug/ml
5) TZM C-14	7.67	7748274	19.782 ug/ml
6) TZM C-16	8.69	7749336	20.496 ug/ml
7) TZM C-18	9.60	7804710	20.754 ug/ml
8) XH C9-C18	7.38	57262127	153.994 ug/ml
9) TZM C-19	10.03	7999952	21.506 ug/ml
10) TZM C-20	10.45	7896312	21.660 ug/ml
12) TZM C-22	11.43	7456583	20.647 ug/ml
13) TZM C-24	12.71	6855271	19.776 ug/ml
14) TZM C-26	14.18	5740747	17.880 ug/ml
15) TZM C-28	15.71	5087394	18.057 ug/ml
16) TZM C-30	17.22	4299630	16.951 ug/ml
17) TZM C-36	21.25	2047644	13.753 ug/ml
18) XH C19-C36	11.90	56763880	183.982 ug/ml

J91340

(f)=RT Delta > 1/2 Window (m)=manual int.

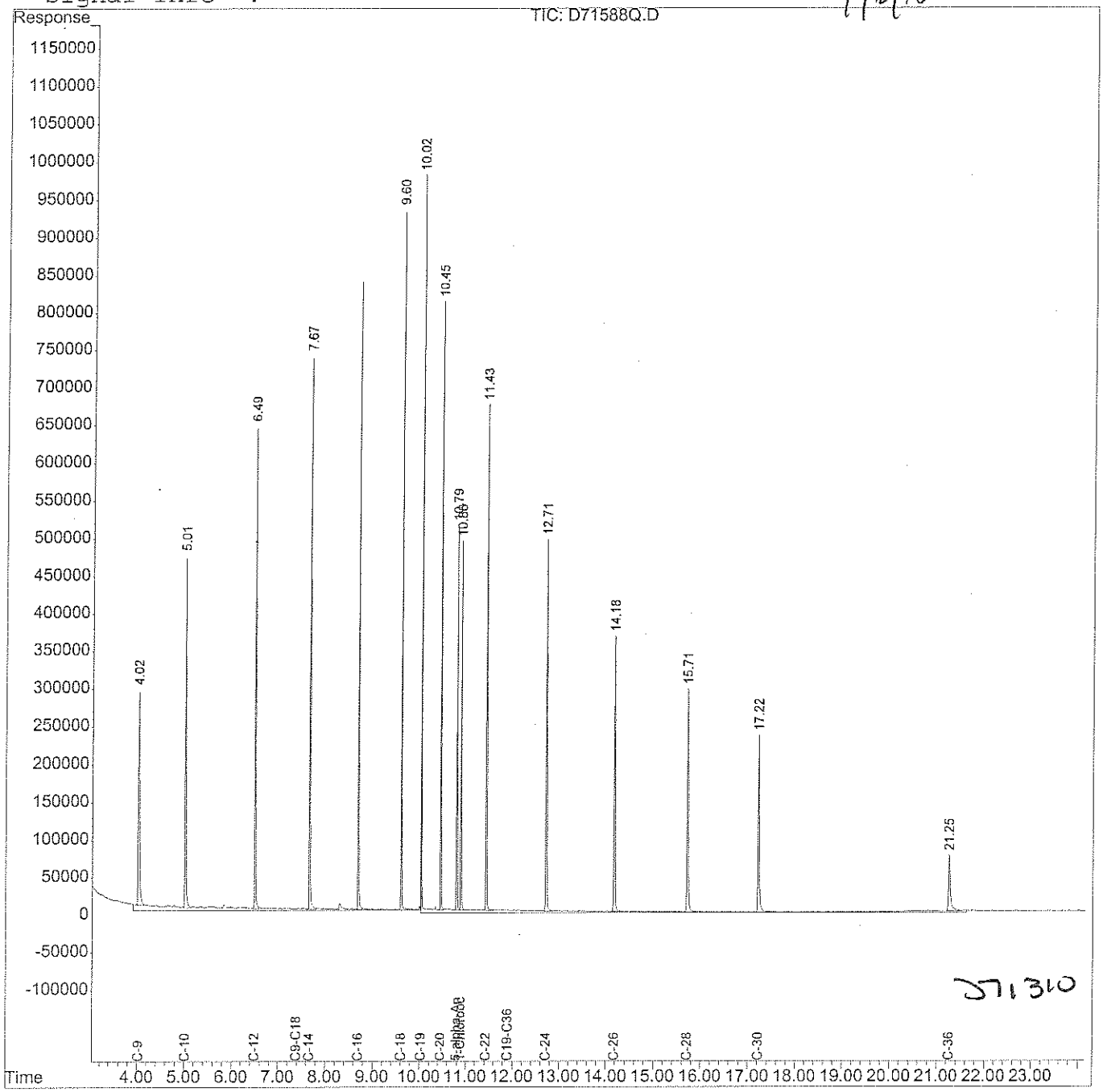
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71588Q.D Vial: 7
Acq On : 10 Sep 2010 11:43 pm Operator: AR
Sample : LD090910EASE Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:54 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



571310

EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

9/12/10

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B090910EASE
Spike: L090910EASE
Spike duplicate: LD090910EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3333	3333	40	140	30	0	1903	57		1927	58		1	
2-Methylnaphthalene	3333	3333	40	140	30	0	2072	62		2064	62		0	
Acenaphthylene	3333	3333	40	140	30	0	2166	65		2182	65		1	
Acenaphthene	3333	3333	40	140	30	0	2200	66		2178	65		1	
Fluorene	3333	3333	40	140	30	0	2340	70		2390	72		2	
Phenanthrene	3333	3333	40	140	30	0	2503	75		2525	76		1	
Anthracene	3333	3333	40	140	30	0	2498	75		2549	76		2	
Fluoranthene	3333	3333	40	140	30	0	2594	78		2618	79		1	
Pyrene	3333	3333	40	140	30	0	2593	78		2582	77		0	
Benzo[a]anthracene	3333	3333	40	140	30	0	2546	76		2616	78		3	
Chrysene	3333	3333	40	140	30	0	2518	76		2490	75		1	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	2407	72		2469	74		3	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	2520	76		2503	75		1	
Benzo[a] pyrene	3333	3333	40	140	30	0	2462	74		2417	73		2	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	2420	73		2485	75		3	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	2411	72		2477	74		3	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	2519	76		2477	74		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 91360

EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B090910EASE
Spike: L090910EASE
Spike duplicate: LD090910EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3333	3333	40	140	30	0	1903	57		1927	58		1	
2-Methylnaphthalene	3333	3333	40	140	30	0	2072	62		2064	62		0	
Acenaphthylene	3333	3333	40	140	30	0	2166	65		2182	65		1	
Acenaphthene	3333	3333	40	140	30	0	2200	66		2178	65		1	
Fluorene	3333	3333	40	140	30	0	2340	70		2390	72		2	
Phenanthrene	3333	3333	40	140	30	0	2503	75		2525	76		1	
Anthracene	3333	3333	40	140	30	0	2498	75		2549	76		2	
Fluoranthene	3333	3333	40	140	30	0	2594	78		2618	79		1	
Pyrene	3333	3333	40	140	30	0	2593	78		2582	77		0	
Benzo[a]anthracene	3333	3333	40	140	30	0	2546	76		2616	78		3	
Chrysene	3333	3333	40	140	30	0	2518	76		2490	75		1	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	2407	72		2469	74		3	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	2520	76		2503	75		1	
Benzo[a] pyrene	3333	3333	40	140	30	0	2462	74		2417	73		2	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	2420	73		2485	75		3	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	2411	72		2477	74		3	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	2519	76		2477	74		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH ARO FORM 3

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71590Q.D Vial: 9
Acq On : 11 Sep 2010 12:42 am Operator: AR
Sample : L090910EASE Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
3 Integration Params: RTEINT.P
Quant Time: Sep 12 11:59 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

PM 9/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	30346	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.59	172	105154	13.10 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	65.50%	
10) 2-Bromonaphthalene	8.27	206	39797	11.97 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	59.85%	
11) o-terphenyl	10.10	230	71468	15.20 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	76.00%	

Target Compounds					Qvalue
2) Naphthalene	6.53	128	174750	14.27 ug/ml	99
3) 2-Methylnaphthalene	7.23	141	103696	15.54 ug/ml	99
4) Acenaphthylene	8.12	152	187157	16.24 ug/ml	100
5) Acenaphthene	8.29	154	106119	16.50 ug/ml	99
6) Fluorene	8.81	166	131111	17.55 ug/ml	100
7) Phenanthrene	9.76	178	189033	18.77 ug/ml	99
8) Anthracene	9.81	178	196312	18.74 ug/ml	99
12) Fluoranthene	11.06	202	203897	19.46 ug/ml	99
13) Pyrene	11.37	202	209317	19.45 ug/ml	99
14) Benzo[a]anthracene	13.53	228	157842	19.09 ug/ml	98
15) Chrysene	13.60	228	164882	18.89 ug/ml	99
16) Benzo[b] fluoranthene	15.84	252	129476	18.05 ug/ml	99
17) Benzo[k] fluoranthene	15.90	252	140284	18.90 ug/ml	99
18) Benzo[a] pyrene	16.52	252	124946	18.47 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	18.81	276	98496	18.15 ug/ml	100
20) Dibenz [a,h] anthracene	18.87	278	100827	18.08 ug/ml	96
21) Benzo(g,h,i) perylene	19.32	276	115685	18.89 ug/ml	98

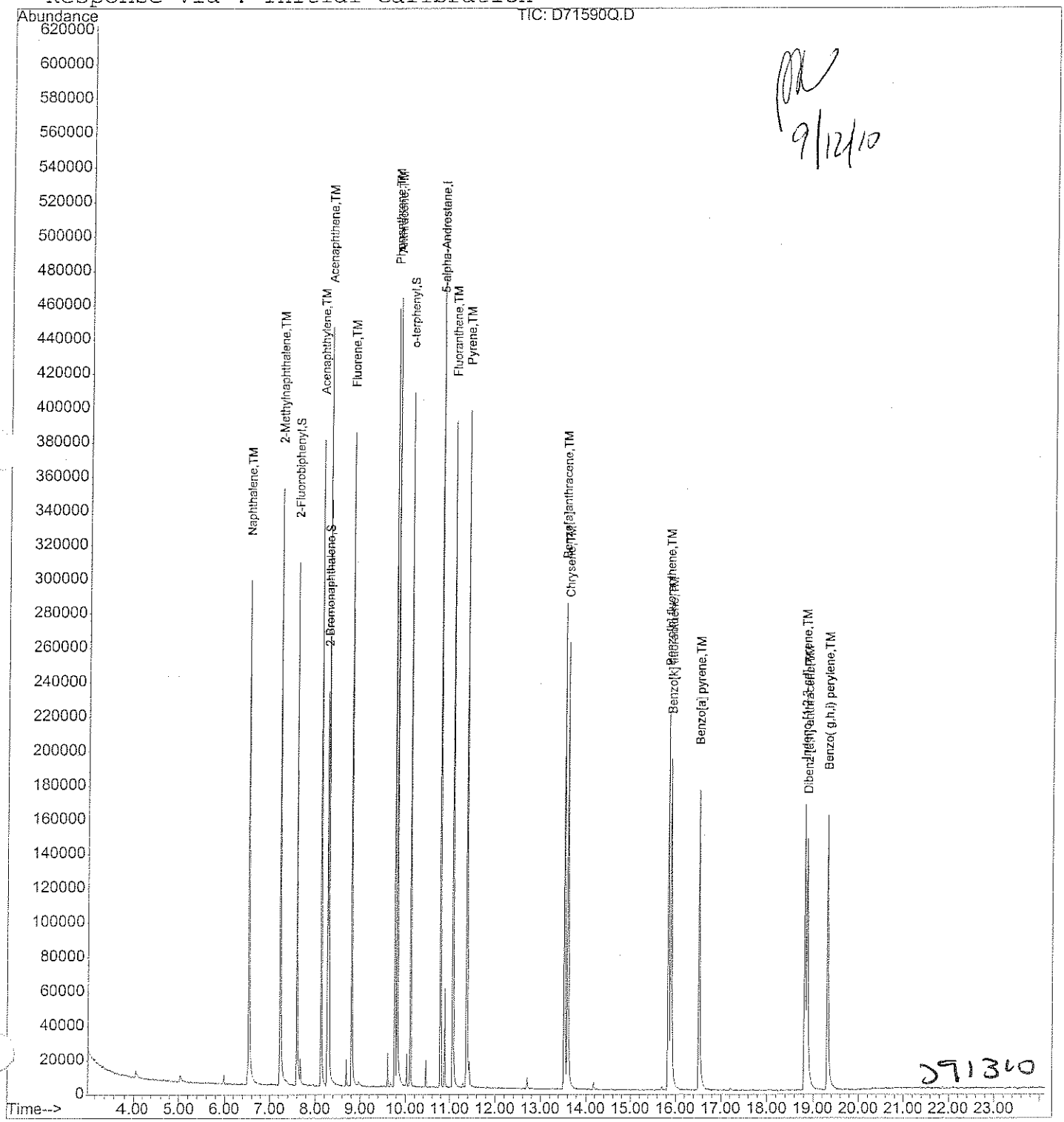
091310

(#) = qualifier out of range (m) = manual integration
D71590Q.D ARM80410.M Sun Sep 12 12:04:24 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71590Q.D Vial: 9
Acq On : 11 Sep 2010 12:42 am Operator: AR
Sample : L090910EASE Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 11:59 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/12/10

D71360

D71590Q.D ARM80410.M Sun Sep 12 12:04:24 2010 Page 2

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71591Q.D
Acq On : 11 Sep 2010 1:12 am
Sample : LD090910EASE
Misc : SOIL,ARO
3 Integration Params: RTEINT.P
Quant Time: Sep 12 12:00 2010

Vial: 10
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

PM 9/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	31454	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.59	172	113075	13.59 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 67.95%		
10) 2-Bromonaphthalene	8.26	206	43458	12.61 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 63.05%		
11) o-terphenyl	10.11	230	74085	15.21 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 76.05%		

Target Compounds					Qvalue
2) Naphthalene	6.53	128	183432	14.46 ug/ml	100
3) 2-Methylnaphthalene	7.23	141	107063	15.48 ug/ml	99
4) Acenaphthylene	8.12	152	195486	16.37 ug/ml	100
5) Acenaphthene	8.30	154	108892	16.34 ug/ml	99
6) Fluorene	8.81	166	138779	17.92 ug/ml	100
7) Phenanthrene	9.76	178	197651	18.94 ug/ml	99
8) Anthracene	9.81	178	207600	19.12 ug/ml	99
12) Fluoranthene	11.07	202	213299	19.64 ug/ml	100
13) Pyrene	11.38	202	216037	19.36 ug/ml	100
14) Benzo[a]anthracene	13.52	228	168152	19.62 ug/ml	98
15) Chrysene	13.60	228	168973	18.68 ug/ml	99
16) Benzo[b] fluoranthene	15.85	252	137993	18.52 ug/ml	99
17) Benzo[k] fluoranthene	15.90	252	144408	18.77 ug/ml	98
18) Benzo[a] pyrene	16.52	252	126959	18.13 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	18.82	276	105073	18.64 ug/ml	97
20) Dibenz [a,h] anthracene	18.86	278	107529	18.58 ug/ml	99
21) Benzo(g,h,i) perylene	19.31	276	117913	18.58 ug/ml	99

D91310

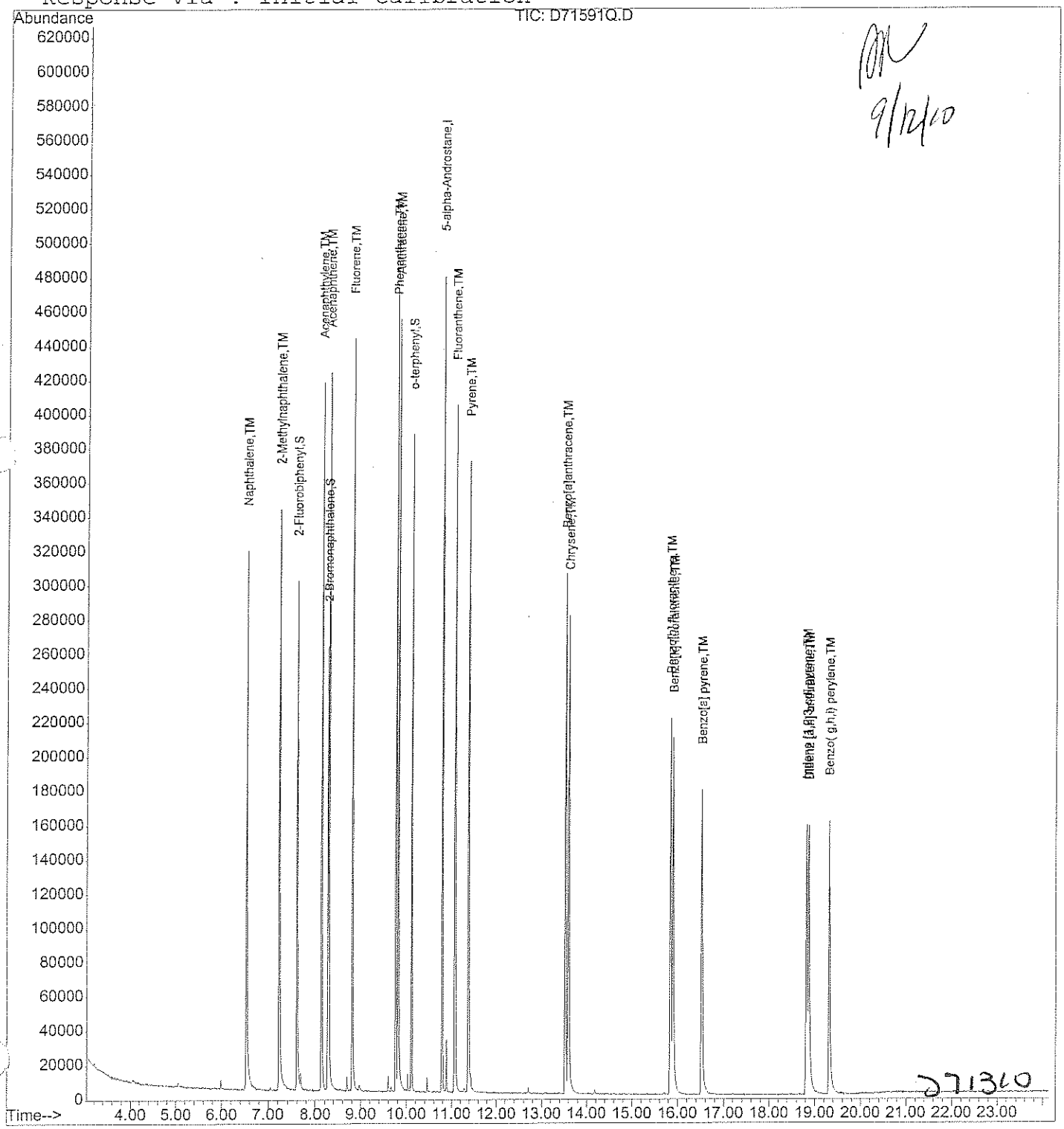
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71591Q.D
Acq On : 11 Sep 2010 1:12 am
Sample : LD090910EASE
Misc : SOIL,ARO
MS Integration Params: RTEINT.P
Quant Time: Sep 12 12:00 2010

Vial: 10
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/12/10

271310

D71591Q.D ARM80410.M Sun Sep 12 12:04:31 2010 Page 2

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: L090910EASE
Aromatic LCS: L090910EASE

9/12/10

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	14.3	0.0	
2-Methylnaphthalene	0	5	0.00	15.5	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

291340

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: L090910EASE
Aromatic LCS: L090910EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	14.3	0.0	
2-Methylnaphthalene	0	5	0.00	15.5	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71587Q.D
Acq On : 10 Sep 2010 11:13 pm
Sample : L090910EASE
Misc : SOIL,ALL
Integration Params: RTEINT.P
Quant Time: Sep 12 12:01 2010

Vial: 6
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	28591	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	0.00	172	0	0.00 ug/ml	
Spiked Amount 20.000	Range 40 - 140		Recovery =	0.00%#	
10) 2-Bromonaphthalene	8.30	206	3328	1.06 ug/ml	0.03
Spiked Amount 20.000	Range 40 - 140		Recovery =	5.30%#	
11) o-terphenyl	0.00	230	0	0.00 ug/ml	
Spiked Amount 20.000	Range 40 - 140		Recovery =	0.00%#	

Target Compounds					Qvalue
16) Benzo[b] fluoranthene	15.71	252	54	1.41 ug/ml#	1

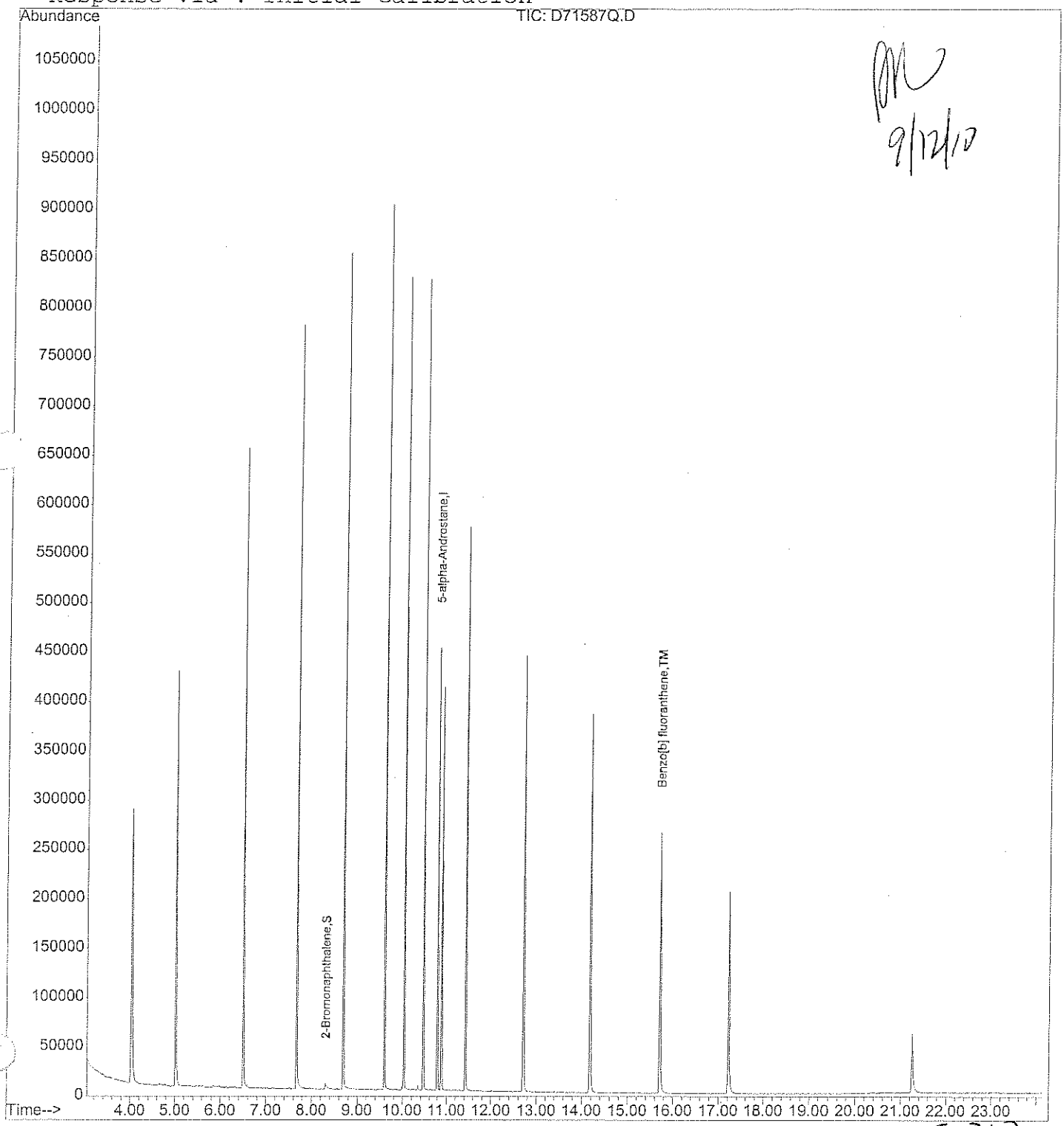
091310

(#) = qualifier out of range (m) = manual integration
D71587Q.D ARM80410.M Sun Sep 12 12:01:04 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71587Q.D Vial: 6
Acq On : 10 Sep 2010 11:13 pm Operator: AR
Sample : L090910EASE Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 12:01 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/12/10

D71360

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

MV 9/12/10

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: LD090910EASE
Aromatic LCS: LD090910EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	14.5	0.0	
2-Methylnaphthalene	0	5	0.00	15.5	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: 591340

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: LD090910EASE
Aromatic LCS: LD090910EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	14.5	0.0	
2-Methylnaphthalene	0	5	0.00	15.5	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71588Q.D
Acq On : 10 Sep 2010 11:43 pm
Sample : LD090910EASE
Misc : SOIL,ALI
S Integration Params: RTEINT.P
Quant Time: Sep 12 12:01 2010

Vial: 7
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	29653	20.00 ug/ml	0.00

System Monitoring Compounds

9) 2-Fluorobiphenyl		0.00	172	0	0.00 ug/ml
Spiked Amount	20.000	Range	40 - 140	Recovery	= 0.00%#
10) 2-Bromonaphthalene		8.30	206	4449	1.37 ug/ml 0.03
Spiked Amount	20.000	Range	40 - 140	Recovery	= 6.85%#
11) o-terphenyl		0.00	230	0	0.00 ug/ml
Spiked Amount	20.000	Range	40 - 140	Recovery	= 0.00%#

Target Compounds Qvalue

091310

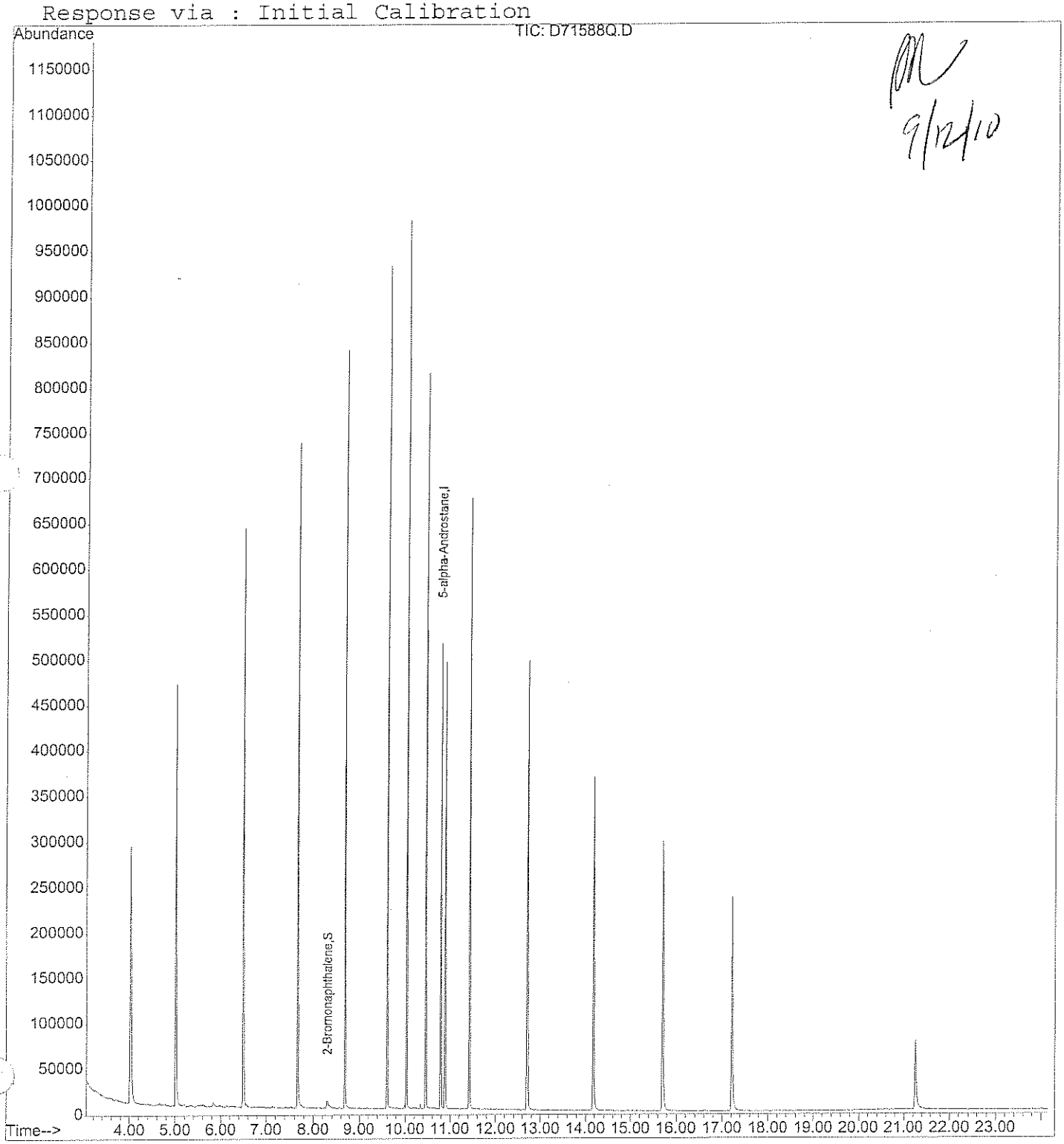
(#) = qualifier out of range (m) = manual integration
D71588Q.D ARM80410.M Sun Sep 12 12:01:09 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71588Q.D
Acq On : 10 Sep 2010 11:43 pm
Sample : LD090910EASE
Misc : SOIL,ALI
MS Integration Params: RTEINT.P
Quant Time: Sep 12 12:01 2010

Vial: 7
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/12/10

D71360

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

9/12/10

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67722-2
Spike: 67722-2,MS
Spike duplicate: 67722-2,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3572	3514	30	140	50	0	1696	47		1601	46		6	
C-10	3572	3514	40	140	50	0	2570	72		2389	68		7	
C-12	3572	3514	40	140	50	0	5685	159	*	5034	143	*	12	
C-14	3572	3514	40	140	50	0	4882	137		4446	127		9	
C-16	3572	3514	40	140	50	0	2600	73		2614	74		1	
C-18	3572	3514	40	140	50	0	2607	73		2553	73		2	
C-19	3572	3514	40	140	50	0	2627	74		2570	73		2	
C-20	3572	3514	40	140	50	0	2868	80		2804	80		2	
C-22	3572	3514	40	140	50	0	2630	74		2378	68		10	
C-24	3572	3514	40	140	50	0	2569	72		2579	73		0	
C-26	3572	3514	40	140	50	0	4010	112		2830	81		34	
C-28	3572	3514	40	140	50	0	2637	74		2390	68		10	
C-30	3572	3514	40	140	50	0	2459	69		2412	69		2	
C-36	3572	3514	40	140	50	0	2487	70		2455	70		1	

C9-C18 Aliphatics	21432	21085	40	140	50	0	20041	94		18637	88		7	
C19-C36 Aliphatics	28576	28114	40	140	50	0	22286	78		20419	73		9	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: Matrix interference w/ CN

591310

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67722-2	SOIL,ALI	2.0	15.43	0.01543	0.9209	1	140.7510
67722-2,MS	SOIL,ALI	2.0	15.20	0.01520	0.9209	1	142.8808
67722-2,MSD	SOIL,ALI	2.0	15.45	0.01545	0.9209	1	140.5688

9/12/10

591340

EPH ALI FORM 3

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67722-2
Spike: 67722-2,MS
Spike duplicate: 67722-2,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3572	3514	30	140	50	0	1696	47		1601	46		6	
C-10	3572	3514	40	140	50	0	2570	72		2389	68		7	
C-12	3572	3514	40	140	50	0	5685	159	*	5034	143	*	12	
C-14	3572	3514	40	140	50	0	4882	137		4446	127		9	
C-16	3572	3514	40	140	50	0	2600	73		2614	74		1	
C-18	3572	3514	40	140	50	0	2607	73		2553	73		2	
C-19	3572	3514	40	140	50	0	2627	74		2570	73		2	
C-20	3572	3514	40	140	50	0	2868	80		2804	80		2	
C-22	3572	3514	40	140	50	0	2630	74		2378	68		10	
C-24	3572	3514	40	140	50	0	2569	72		2579	73		0	
C-26	3572	3514	40	140	50	0	4010	112		2830	81		34	
C-28	3572	3514	40	140	50	0	2637	74		2390	68		10	
C-30	3572	3514	40	140	50	0	2459	69		2412	69		2	
C-36	3572	3514	40	140	50	0	2487	70		2455	70		1	
C9-C18 Aliphatics	21432	21085	40	140	50	0	20041	94		18637	88		7	
C19-C36 Aliphatics	28576	28114	40	140	50	0	22286	78		20419	73		9	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH ALI FORM 3

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67722-2	SOIL,ALI	2.0	15.43	0.01543	0.9209	1	140.7510
67722-2,MS	SOIL,ALI	2.0	15.20	0.01520	0.9209	1	142.8808
67722-2,MSD	SOIL,ALI	2.0	15.45	0.01545	0.9209	1	140.5688

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71621SP.D Vial: 29
Acq On : 11 Sep 2010 4:31 pm Operator: AR
Sample : 67722-2,MS Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 13:44 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PN 9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5996990	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	4665995	12.679 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.40%
Target Compounds			
2) TZM C-9	4.02	4421496	11.874 ug/ml
3) TZM C-10	5.01	6849843	17.987 ug/ml
4) TZM C-12	6.49	16272696	39.790 ug/ml
5) TZM C-14	7.67	14332375	34.170 ug/ml
6) TZM C-16	8.68	7368662	18.200 ug/ml
7) TZM C-18	9.60	7347093	18.244 ug/ml
8) XH C9-C18	7.38	517795437	1300.334 ug/ml
9) TZM C-19	10.02	7322893	18.383 ug/ml
10) TZM C-20	10.45	7835626	20.071 ug/ml
12) TZM C-22	11.42	7119021	18.407 ug/ml
13) TZM C-24	12.70	6674161	17.979 ug/ml
14) TZM C-26	14.17	9649176	28.064 ug/ml
15) TZM C-28	15.70	5568063	18.455 ug/ml
16) TZM C-30	17.21	4675140	17.211 ug/ml
17) TZM C-36	21.25	3042413	17.406 ug/ml
18) XH C19-C36	11.90	169847118	514.070 ug/ml

S91310

(f)=RT Delta > 1/2 Window (m)=manual int.

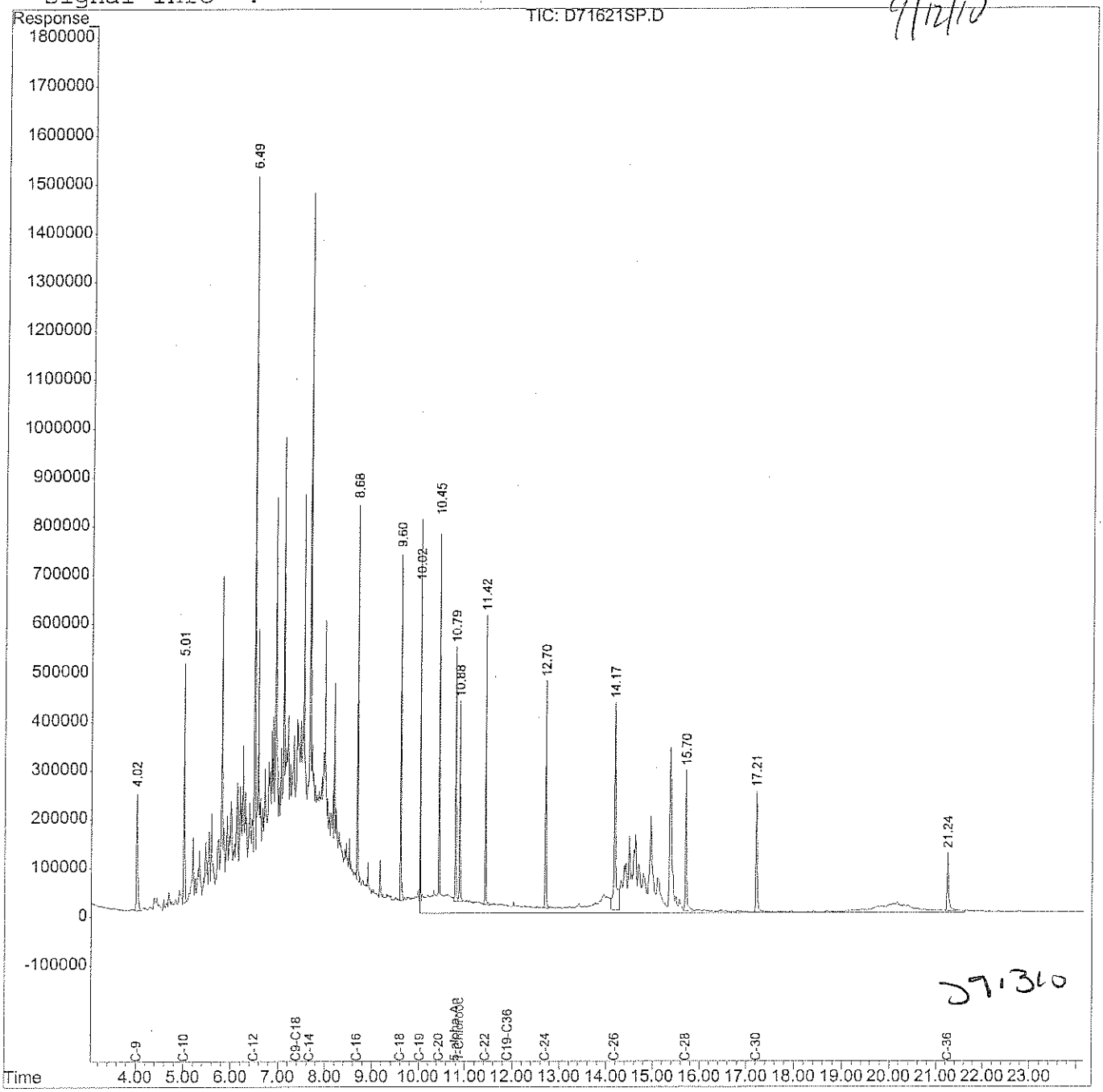
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71621SP.D Vial: 29
Acq On : 11 Sep 2010 4:31 pm Operator: AR
Sample : 67722-2,MS Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 13:44 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



D71360

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71622SP.D Vial: 30
Acq On : 11 Sep 2010 5:01 pm Operator: AR
Sample : 67722-2,MSD Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 13:45 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	6109150	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	4507116	12.022 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	60.11%
Target Compounds			
2) TZM C-9	4.02	4320333	11.389 ug/ml
3) TZM C-10	5.01	6594140	16.998 ug/ml
4) TZM C-12	6.49	14918583	35.809 ug/ml
5) TZM C-14	7.66	13514735	31.629 ug/ml
6) TZM C-16	8.68	7669716	18.595 ug/ml
7) TZM C-18	9.60	7452144	18.165 ug/ml
8) XH C9-C18	7.38	470112750	1158.915 ug/ml
9) TZM C-19	10.02	7419723	18.284 ug/ml
10) TZM C-20	10.45	7932492	19.946 ug/ml
12) TZM C-22	11.42	6663731	16.914 ug/ml
13) TZM C-24	12.70	6938335	18.348 ug/ml
14) TZM C-26	14.17	7052601	20.136 ug/ml
15) TZM C-28	15.70	5226372	17.005 ug/ml
16) TZM C-30	17.21	4748448	17.160 ug/ml
17) TZM C-36	21.25	3114009	17.468 ug/ml
18) XH C19-C36	11.90	163791656	486.641 ug/ml

S91310

(f)=RT Delta > 1/2 Window (m)=manual int.

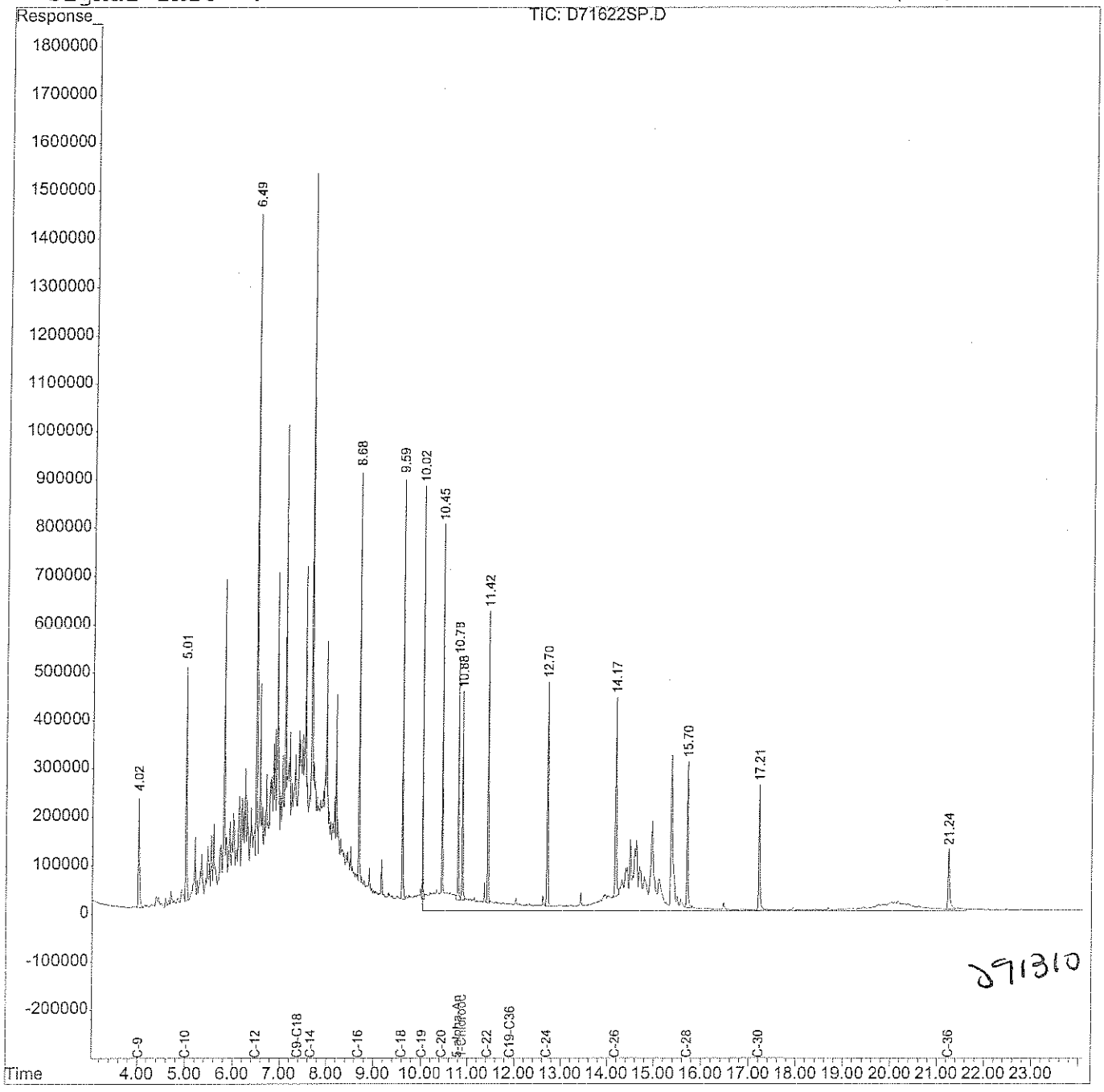
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71622SP.D Vial: 30
Acq On : 11 Sep 2010 5:01 pm Operator: AR
Sample : 67722-2,MSD Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 13:45 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



091310

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

9/12/10

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67722-2
Spike: 67722-2,MS
Spike duplicate: 67722-2,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3572	3514	40	140	50	151	2291	60		2091	55		9	
2-Methylnaphthalene	3572	3514	40	140	50	293	2523	62		2122	52		17	
Acenaphthylene	3572	3514	40	140	50	0	2402	67		2138	61		12	
Acenaphthene	3572	3514	40	140	50	0	2360	66		2139	61		10	
Fluorene	3572	3514	40	140	50	0	2586	72		2374	68		9	
Phenanthrene	3572	3514	40	140	50	0	2663	75		2516	72		6	
Anthracene	3572	3514	40	140	50	0	2705	76		2468	70		9	
Fluoranthene	3572	3514	40	140	50	0	2683	75		2578	73		4	
Pyrene	3572	3514	40	140	50	0	2827	79		2550	73		10	
Benzo[a]anthracene	3572	3514	40	140	50	0	2818	79		2578	73		9	
Chrysene	3572	3514	40	140	50	0	2686	75		2536	72		6	
Benzo[b] fluoranthene	3572	3514	40	140	50	0	2770	78		2473	70		11	
Benzo[k] fluoranthene	3572	3514	40	140	50	0	2683	75		2553	73		5	
Benzo[a] pyrene	3572	3514	40	140	50	0	2727	76		2594	74		5	
Indeno [1,2,3-cd] pyrene	3572	3514	40	140	50	0	2847	80		2743	78		4	
Dibenz [a,h] anthracene	3572	3514	40	140	50	0	2909	81		2653	75		9	
Benzo(g,h,i) perylene	3572	3514	40	140	50	0	2743	77		2637	75		4	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: D91310

EPH ARO FORM 3

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67722-2	SOIL,ARO	2.0	15.43	0.01543	0.9209	1	140.7510
67722-2,MS	SOIL,ARO	2.0	15.20	0.01520	0.9209	1	142.8808
67722-2,MSD	SOIL,ALI	2.0	15.45	0.01545	0.9209	1	140.5688

9/12/10

D91310

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67722-2
Spike: 67722-2,MS
Spike duplicate: 67722-2,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3572	3514	40	140	50	151	2291	60		2091	55		9	
2-Methylnaphthalene	3572	3514	40	140	50	293	2523	62		2122	52		17	
Acenaphthylene	3572	3514	40	140	50	0	2402	67		2138	61		12	
Acenaphthene	3572	3514	40	140	50	0	2360	66		2139	61		10	
Fluorene	3572	3514	40	140	50	0	2586	72		2374	68		9	
Phenanthrene	3572	3514	40	140	50	0	2663	75		2516	72		6	
Anthracene	3572	3514	40	140	50	0	2705	76		2468	70		9	
Fluoranthene	3572	3514	40	140	50	0	2683	75		2578	73		4	
Pyrene	3572	3514	40	140	50	0	2827	79		2550	73		10	
Benzo[a]anthracene	3572	3514	40	140	50	0	2818	79		2578	73		9	
Chrysene	3572	3514	40	140	50	0	2686	75		2536	72		6	
Benzo[b] fluoranthene	3572	3514	40	140	50	0	2770	78		2473	70		11	
Benzo[k] fluoranthene	3572	3514	40	140	50	0	2683	75		2553	73		5	
Benzo[a] pyrene	3572	3514	40	140	50	0	2727	76		2594	74		5	
Indeno [1,2,3-cd] pyrene	3572	3514	40	140	50	0	2847	80		2743	78		4	
Dibenz [a,h] anthracene	3572	3514	40	140	50	0	2909	81		2653	75		9	
Benzo(g,h,i) perylene	3572	3514	40	140	50	0	2743	77		2637	75		4	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH ARO FORM 3

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67722-2	SOIL,ARO	2.0	15.43	0.01543	0.9209	1	140.7510
67722-2,MS	SOIL,ARO	2.0	15.20	0.01520	0.9209	1	142.8808
67722-2,MSD	SOIL,ALI	2.0	15.45	0.01545	0.9209	1	140.5688

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71623SP.D Vial: 31
Acq On : 11 Sep 2010 5:31 pm Operator: AR
Sample : 67722-2,MS Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Sep 12 13:55 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.78	95	32380	20.00 ug/ml	-0.01

System Monitoring Compounds

9) 2-Fluorobiphenyl	7.58	172	131494	15.35 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 76.75%		
10) 2-Bromonaphthalene	8.26	206	53383	15.04 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 75.20%		
11) o-terphenyl	10.10	230	83053	16.56 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 82.80%		

Target Compounds

					Qvalue
2) Naphthalene	6.52	128	209476	16.04 ug/ml	95
3) 2-Methylnaphthalene	7.22	141	125717	17.66 ug/ml	100
4) Acenaphthylene	8.12	152	206671	16.81 ug/ml	99
5) Acenaphthene	8.29	154	113334	16.52 ug/ml	99
6) Fluorene	8.80	166	144271	18.10 ug/ml	100
7) Phenanthrene	9.76	178	200211	18.63 ug/ml	99
8) Anthracene	9.80	178	211623	18.93 ug/ml	100
12) Fluoranthene	11.06	202	209945	18.77 ug/ml	99
13) Pyrene	11.37	202	227263	19.79 ug/ml	99
14) Benzo[a]anthracene	13.52	228	173970	19.72 ug/ml	98
15) Chrysene	13.59	228	175129	18.80 ug/ml	99
16) Benzo[b] fluoranthene	15.84	252	149347	19.39 ug/ml	100
17) Benzo[k] fluoranthene	15.89	252	148712	18.78 ug/ml	100
18) Benzo[a] pyrene	16.51	252	138108	19.09 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	18.81	276	116342	19.92 ug/ml	98
20) Dibenz [a,h] anthracene	18.86	278	121872	20.36 ug/ml	100
21) Benzo(g,h,i) perylene	19.31	276	125423	19.20 ug/ml	100

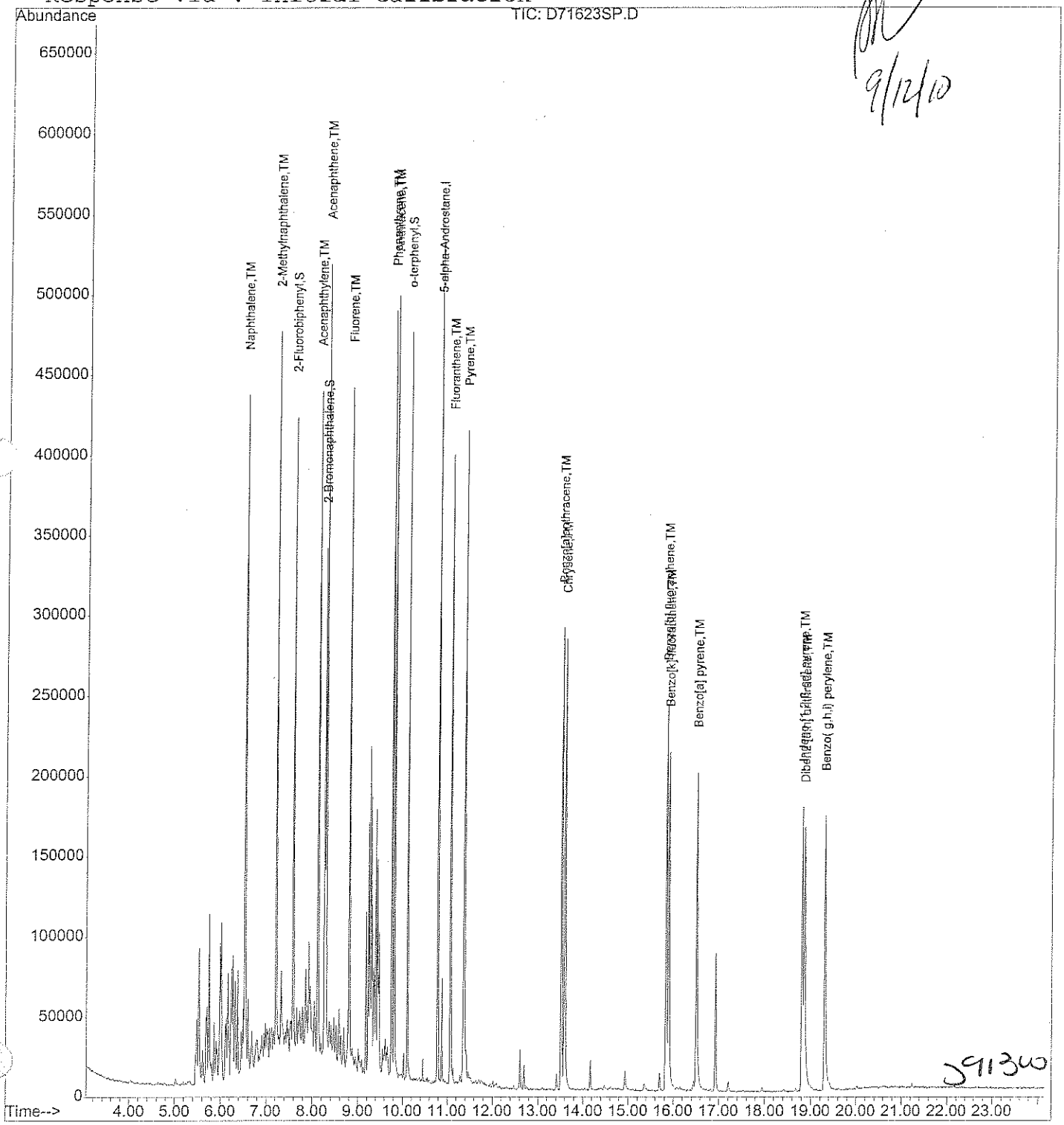
D91310

(#) = qualifier out of range (m) = manual integration
D71623SP.D ARM80410.M Sun Sep 12 13:58:24 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71623SP.D Vial: 31
Acq On : 11 Sep 2010 5:31 pm Operator: AR
Sample : 67722-2,MS Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 13:55 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/12/10

J91340

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71624SP.D Vial: 32
Acq On : 11 Sep 2010 6:01 pm Operator: AR
Sample : 67722-2,MSD Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Sep 12 13:55 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.78	95	31374	20.00 ug/ml	-0.02

System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.59	172	119401	14.39 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 71.95%		
10) 2-Bromonaphthalene	8.26	206	51050	14.85 ug/ml	-0.02
Spiked Amount 20.000	Range 40 - 140		Recovery = 74.25%		
11) o-terphenyl	10.10	230	70233	14.45 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 72.25%		

Target Compounds					Qvalue
2) Naphthalene	6.53	128	188302	14.88 ug/ml	98
3) 2-Methylnaphthalene	7.22	141	104117	15.09 ug/ml	99
4) Acenaphthylene	8.12	152	181160	15.21 ug/ml	99
5) Acenaphthene	8.29	154	101180	15.22 ug/ml	99
6) Fluorene	8.80	166	130457	16.89 ug/ml	99
7) Phenanthrene	9.75	178	186322	17.90 ug/ml	99
8) Anthracene	9.81	178	190190	17.56 ug/ml	99
12) Fluoranthene	11.06	202	198719	18.34 ug/ml	99
13) Pyrene	11.36	202	201894	18.14 ug/ml	99
14) Benzo[a]anthracene	13.52	228	156749	18.34 ug/ml	98
15) Chrysene	13.59	228	162800	18.04 ug/ml	99
16) Benzo[b] fluoranthene	15.83	252	130175	17.59 ug/ml	100
17) Benzo[k] fluoranthene	15.89	252	139384	18.16 ug/ml	100
18) Benzo[a] pyrene	16.51	252	129073	18.45 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	18.81	276	110188	19.51 ug/ml	96
20) Dibenz [a,h] anthracene	18.86	278	109037	18.87 ug/ml	99
21) Benzo(g,h,i) perylene	19.31	276	118783	18.76 ug/ml	99

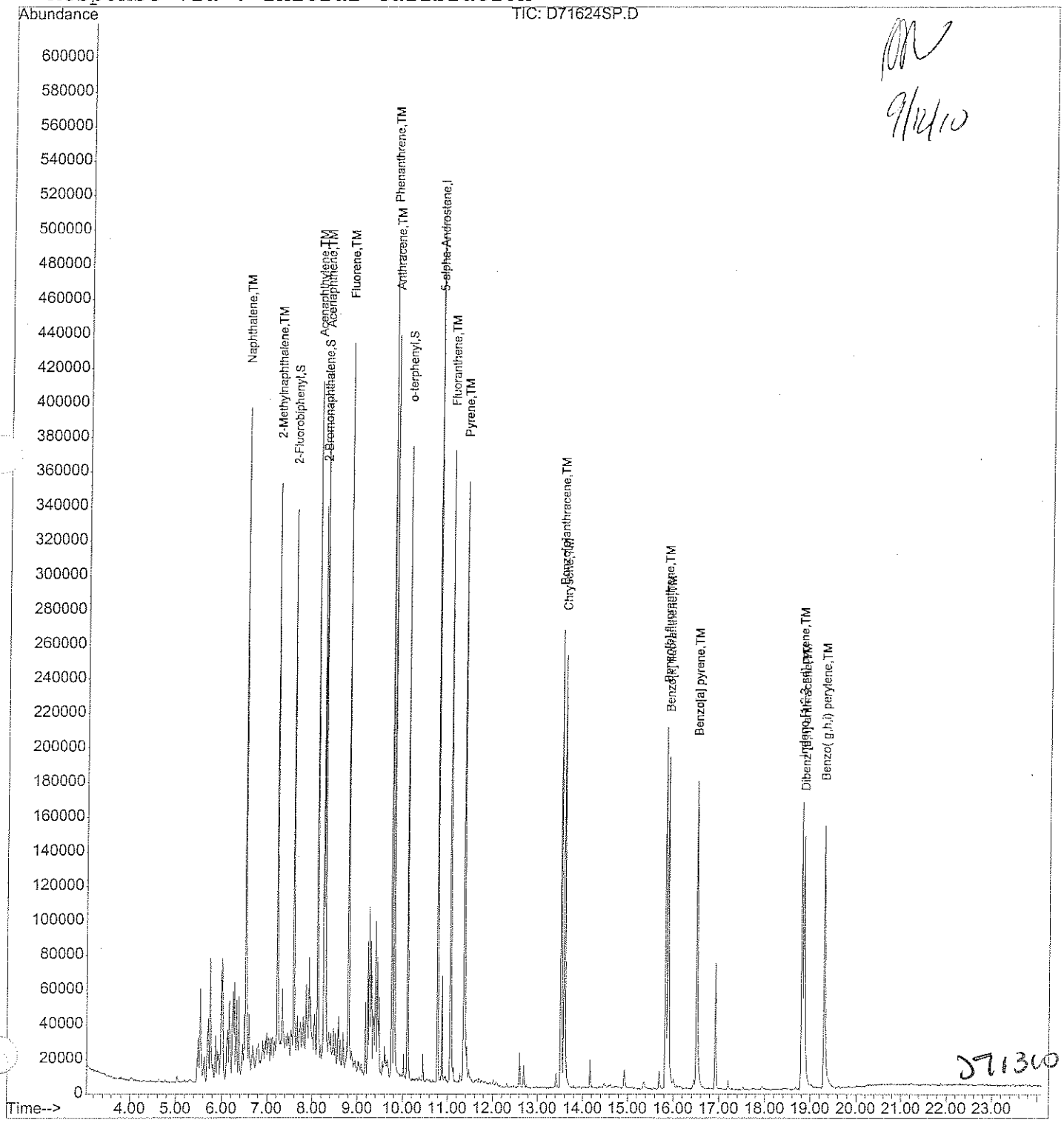
D91360

(#) = qualifier out of range (m) = manual integration
D71624SP.D ARM80410.M Sun Sep 12 13:58:27 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71624SP.D Vial: 32
Acq On : 11 Sep 2010 6:01 pm Operator: AR
Sample : 67722-2,MSD Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 13:55 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



D71300

Instrument D

Analytics environmental laboratory LLC

Seq. ID: 080410-D

IS only#: EPH S9770 ~~S8770~~ AHI 8/4/10

EXP: 1/30/11

Tune File: ABN.u

Date: 8/4/10

Loading Check: AHL

Voltage: 1965

Analyst: AHL/NP

Unloading Check: NP

filament 2

Vial	Meth File	Sample	DF	Data File #	Comments
1	tunemix	S9836 tunemix 50ng		D71437T-45T	adjust mtune
1	Tunemix	S9836 tunemix 50ng		46T	✓
2	ALG80410	S9700 Ali 5		47,5I	✓
3		S9701 Ali 10		48	✓
4		S9702 Ali 20		49	✓
5		S9936 Ali 40		50	✓
6		S9704 Ali 50		51	✓
7		S9705 Ali 100		52	✓
8		S9715 Ali 20 ICV		53	✓
9	ARM80410	S9706 ARO 2		54,5I	✓
10		S9707 ARO 5		55	✓
11		S9708 ARO 10		56	✓
12		S9937 ARO 20		57	✓
13		S9710 ARO 50		58	✓
14		S9711 ARO 100		59	✓
15		S9716 ARO 20 ICV		60	✓ ARO80510 ~~Sent notes ed~~ OK
~~15~~		~~S9716 ARO20 ICV~~		~~66~~	AHL 8/6/10
1	tunemix	S9836 tunemix			Not needed
5	ALG80410	S9936 Ali 40			
12	ARM80410	S9937 ARO20			
16		Hexane w/IS			
15		S9716 ARO 20 ICV			
15		S9716 ARO 20 ICV			

AHL 8/6/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

Instrument D

Analytics environmental laboratory LLC

Seq. ID: 091010-D

IS only#: EPH S10045

EXP: 2/28/11

Tune File: ARN.u

Date: 9/10/10

Loading Check: AVR

Voltage: 1965

Analyst: AVR

Unloading Check: AVR

W-D-091010-1-AVR

Vial	Meth File	Sample	DF	Data File #	Comments
100		mole2		D71577	
1	tunemix	S9836 tunemix 50ng		78T	
2	AL680410	S10042 Al'40		79SC	System Idle RR
3	ARM80410	S10041 ARO20		80SC	
4		Hexane w/IS		81	
1	tunemix	S9836 tunemix 50ng		82T	✓
2	AL680410	S10042 Al'40		83SC	✓
3	ARM80410	S10041 ARO20		84SC	✓
4		Hexane w/IS		85	✓
5		B090910EASE		86B	✓
6		L090910EASE		87Q	✓
7		LD090910EASE		88Q	✓
8		B090910EASE		89B	✓
9		L090910EASE		90Q	✓
10		LD090910EASE		91Q	✓
11		67722-1 Al'		92	RR 1:20
12		-1 ARO		93	✓
13		-2 Al'		94	RR 1:5
14		-2 ARO		95	✓
15		-3 Al'		96	RR 1:25
16		-3 ARO		97	RR 1:4
17		-4 Al'		98	RR 1:25
18		-4 ARO		99S	RR 1:2
2		S10042 Al'40		D71600SC	✓
3		S10041 ARO20		01SC	✓
2		S10042 Al'40		02SC	✓
3		S10041 ARO20		03SC	✓
1		S9836 tunemix 50ng		04T	Not Evaluated
1		S9836 tunemix 50ng		05T	✓
2		S10042 Al'40		06SC	✓
3		S10041 ARO20		07SC	✓
4		Hexane w/IS		08	✓
5		B090910EASE RR		09B	✓
8		B090910EASE RR		10B	✓
19		67722-1 Al'	20	11	✓
20		-2 ↓	5	12	✓

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: 1005313

Methylene Chloride Lot:

Cont. PS. 41

Instrument D

Analytics environmental laboratory LLC

Cont.

Seq. ID 091010-D

EPH IS only#: S10045 EXP: 2/28/11

Tune File: ABN.u

Date: 9/10/10 Loading Check: ALR

Voltage: 1965

Analyst: ALR Unloading Check: ALR

Vial	Meth File	Sample	DF	Data File #	Comments
21		67722-3 Ali	25	D71613	✓ 40ml + 960ml Hexane
22		-4 ⊥	25	14	✓ ⊥ + ⊥
23		-3 ARO	4	15	✓ 25ml + 75ml meCl2
24		-4 ARO	2	16	✓
25		67659-1 Ali		17	RNU 1:10
26		-1 ARO		18	✓
27		-2 Ali		19	RNU 1:5
28		-2 ARO		20	✓
29		67722-2,MS		21 SP	✓
30		-2,MSD		22 SP	✓
31		-2,MS		23 SP	✓
32		-2,MSD		24 SP	✓
2	ALB80410	S10042 Ali 40		25 SC	✓
3	ARM80410	S10041 ARO 20		26 SC	✓
2		S10042 Ali 40		27 SC	✓
3		S10041 ARO 20		28 SC	✓

MJ 9/10/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: ALR 7/12/10 # 1005313

Methylene Chloride Lot: J045GO

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9700 ALI 5	D71447SI.D	8/5/10 2:18
S9701 ALI 10	D71448SI.D	8/5/10 2:48
S9702 ALI 20	D71449SI.D	8/5/10 3:19
S9936 ALI 40	D71450SI.D	8/5/10 3:49
S9704 ALI 50	D71451SI.D	8/5/10 4:20
S9705 ALI 100	D71452SI.D	8/5/10 4:50
S9715 ALI 20 ICV	D71453.D	8/5/10 5:21

Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

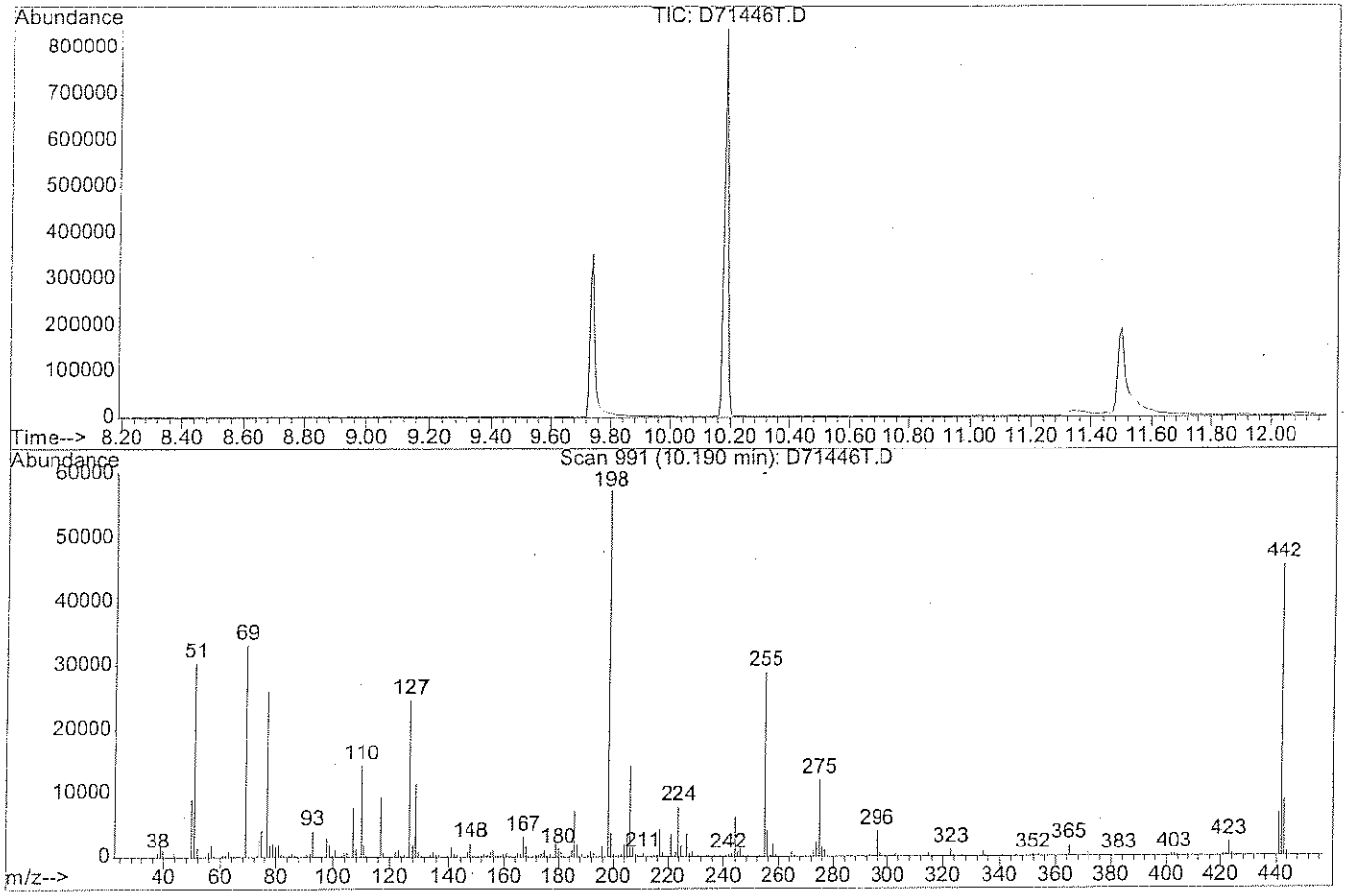
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9706 ARO 2	D71454SI.D	8/5/10 5:51
S9707 ARO 5	D71455SI.D	8/5/10 6:22
S9708 ARO 10	D71456SI.D	8/5/10 6:52
S9937 ARO 20	D71457SI.D	8/5/10 7:22
S9710 ARO 50	D71458SI.D	8/5/10 7:53
S9711 ARO 100	D71459SI.D	8/5/10 8:23
S9716 ARO 20 ICV	D71460.D	8/5/10 8:53

Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX



Spectrum Information: Scan 991

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.9	30392	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.0	33320	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.7	24560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	57496	PASS
199	198	5	9	6.9	3944	PASS
275	198	10	30	20.9	12023	PASS
365	198	1	100	3.2	1842	PASS
441	443	0.01	100	76.4	6759	PASS
442	198	40	100	79.4	45640	PASS
443	442	17	23	19.4	8852	PASS

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:04 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71446T.D**
Date Acquired **8/5/2010 1:47**

N+080510

Name	Target Response
PENTACHLOROPHENOL	39778.00
BENZIDINE	151505.00
DDE	53.00
DDD	1884
DDT	149663

(0% - 20%)

%DDT BREAKDOWN = 1.28% **OK** ✓

8/5/10

8/5/10 2:16 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010 ASP080510
Response via : Initial Calibration
DataAcq Meth : EPHJ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

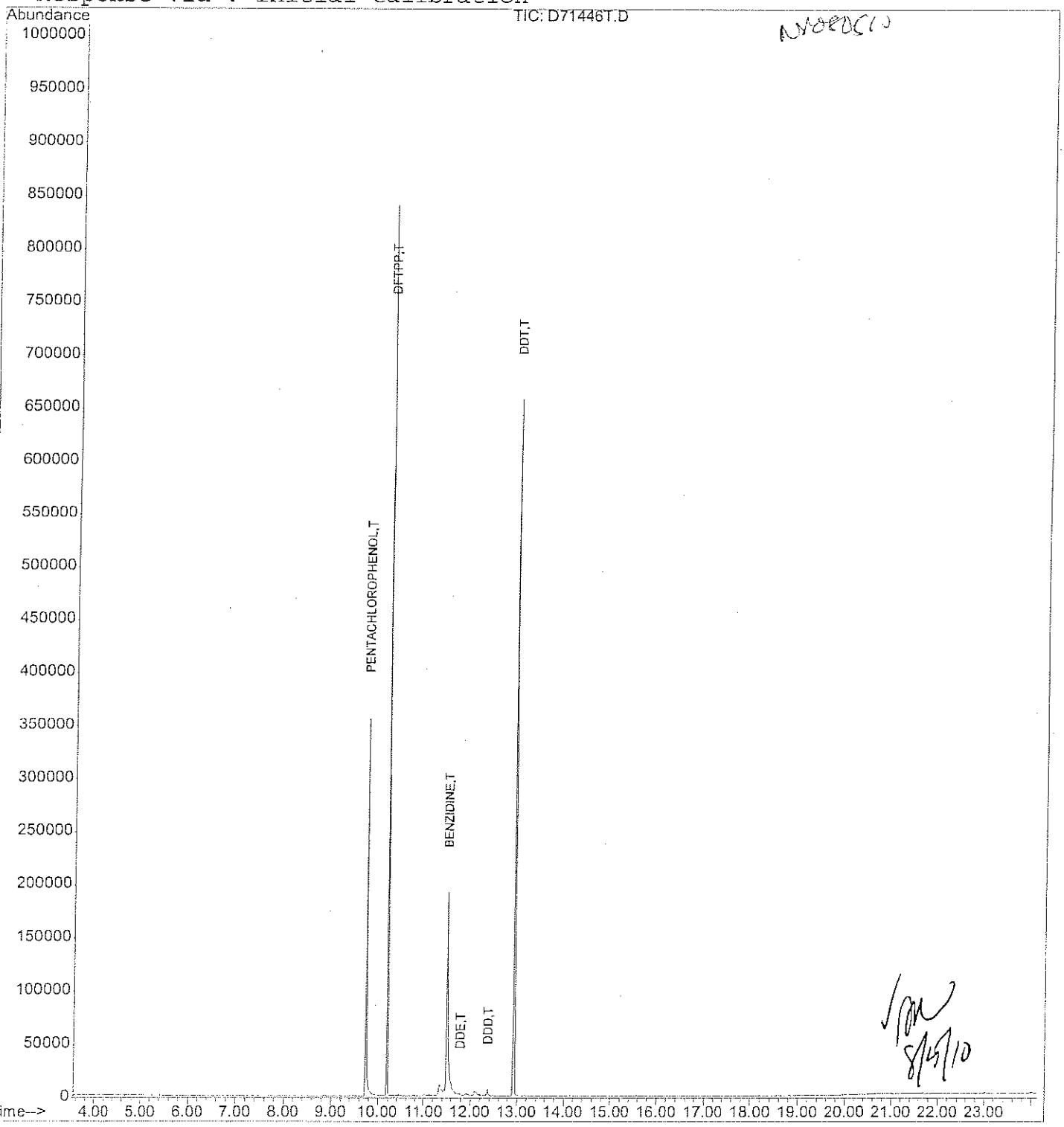
Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.74	266	39778	15.78 UG/L	95
2) DFTPP	10.18	198	75090	24.58 ug/ml#	60
3) BENZIDINE	11.50	184	151505	18.88 UG/L #	100
4) DDE	11.79	246	53	0.53 UG/L #	24
5) DDD	12.36	235	1884	18.84 UG/L #	19
6) DDT	12.93	235	149663	33.12 UG/L #	86

8/5/10

(#) = qualifier out of range (m) = manual integration
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010 Page 1

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: TUNMXEPH.RE

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration



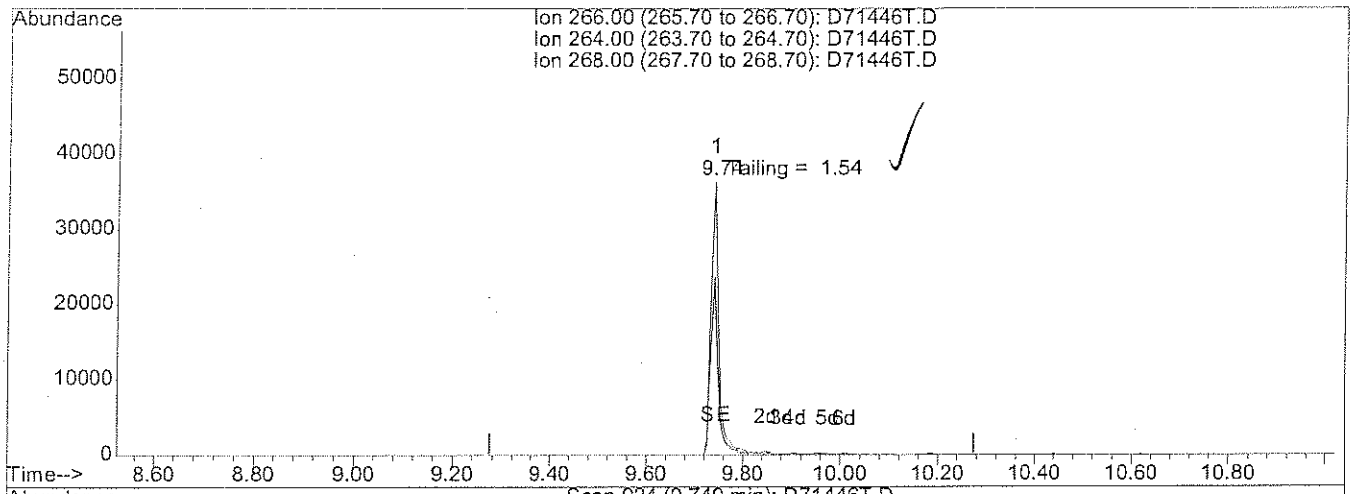
NYOEOC(1)

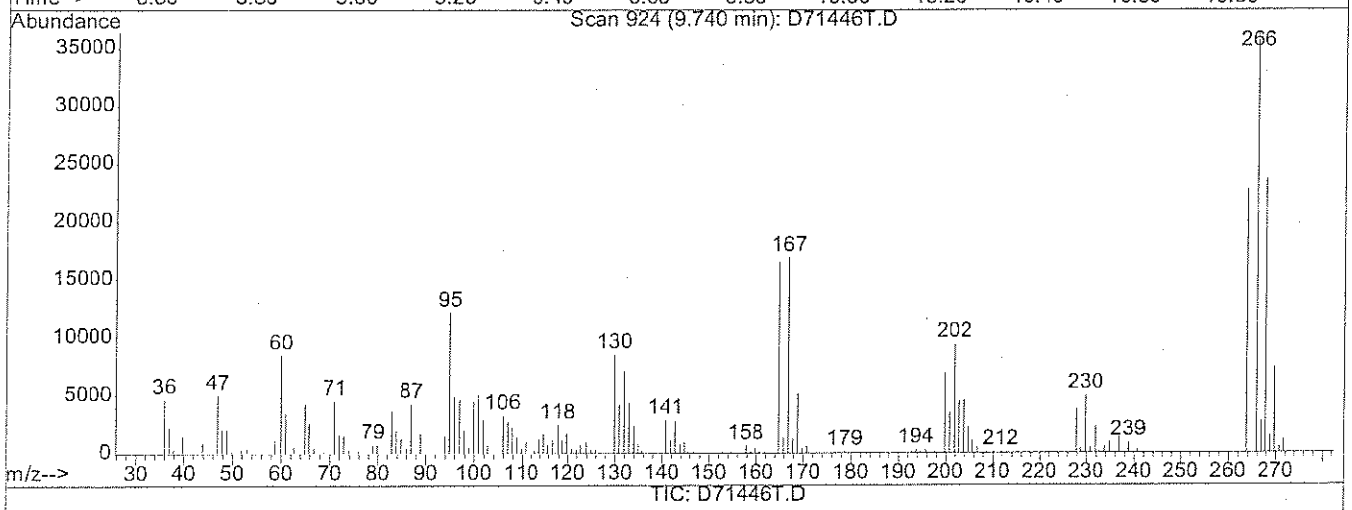
8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

N108250





(1) PENTACHLOROPHENOL (T)

9.74min 15.78UG/L

response 39778

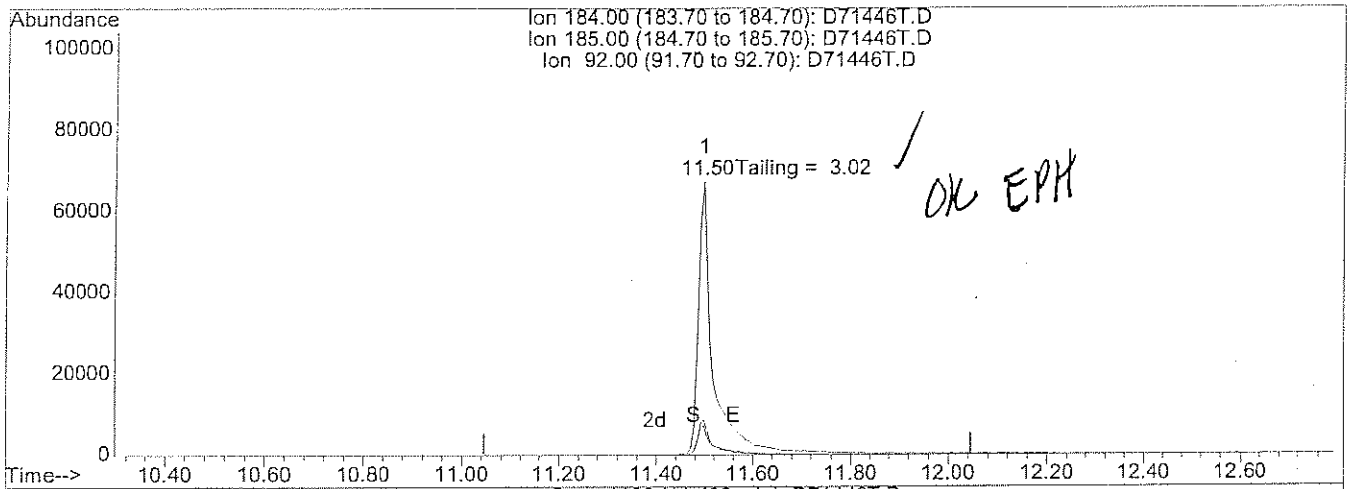
Ion	Exp%	Act%
266.00	100	100
264.00	59.50	61.59
268.00	58.20	63.08
0.00	0.00	0.00

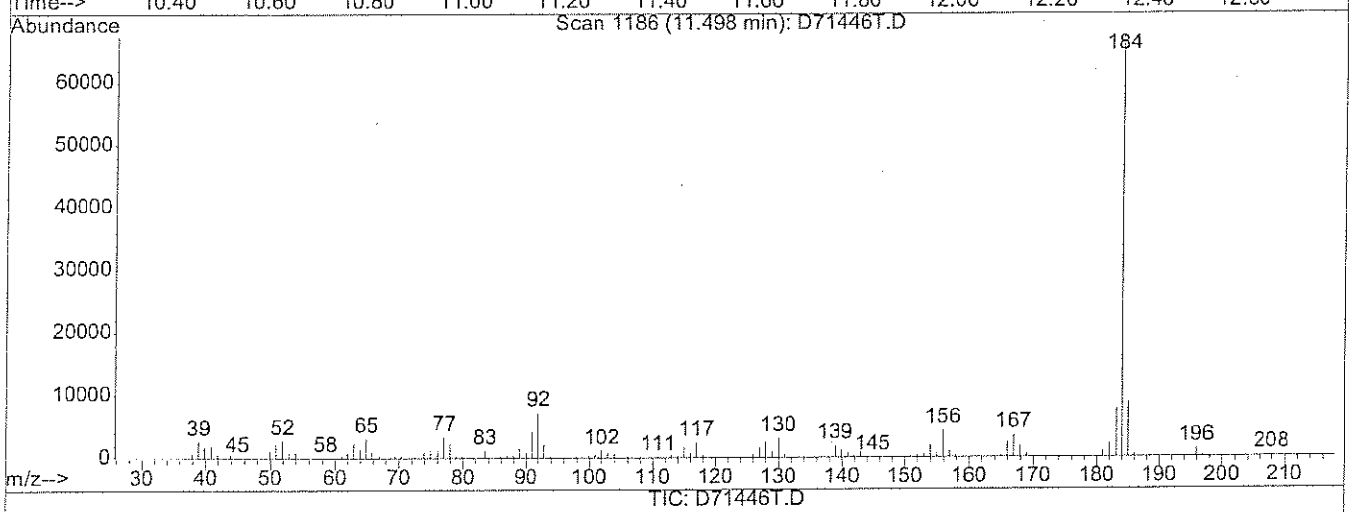
8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:40 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010 Nr080510
Response via : Single Level Calibration





(3) BENZIDINE (T)

11.50min 18.88UG/L

response 151505

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.18#
92.00	0.00	10.90#
0.00	0.00	0.00

OK 8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:19:09 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
DFTPP File ID: D71582T.D
DFTPP Injection Date: 09/10/10
DFTPP Injection Time: 20:36

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71583SC.D	9/10/10 21:06
HEXANE W/IS	D71585.D	9/10/10 22:06
B090910EASE	D71586B.D	9/10/10 22:43
L090910EASE	D71587Q.D	9/10/10 23:13
LD090910EASE	D71588Q.D	9/10/10 23:43
67722-1	D71592.D	9/11/10 1:42
67722-2	D71594.D	9/11/10 2:42
67722-3	D71596.D	9/11/10 3:42
67722-4	D71598.D	9/11/10 4:42
S10042 ALI 40	D71600SC.D	9/11/10 5:42
S10042 ALI 40	D71602SC.D	9/11/10 7:04

Refer to the DFTPP report D71582T.D for ion ratio evaluation.

EPH FORM 5

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
DFTPP File ID: D71582T.D
DFTPP Injection Date: 09/10/10
DFTPP Injection Time: 20:36

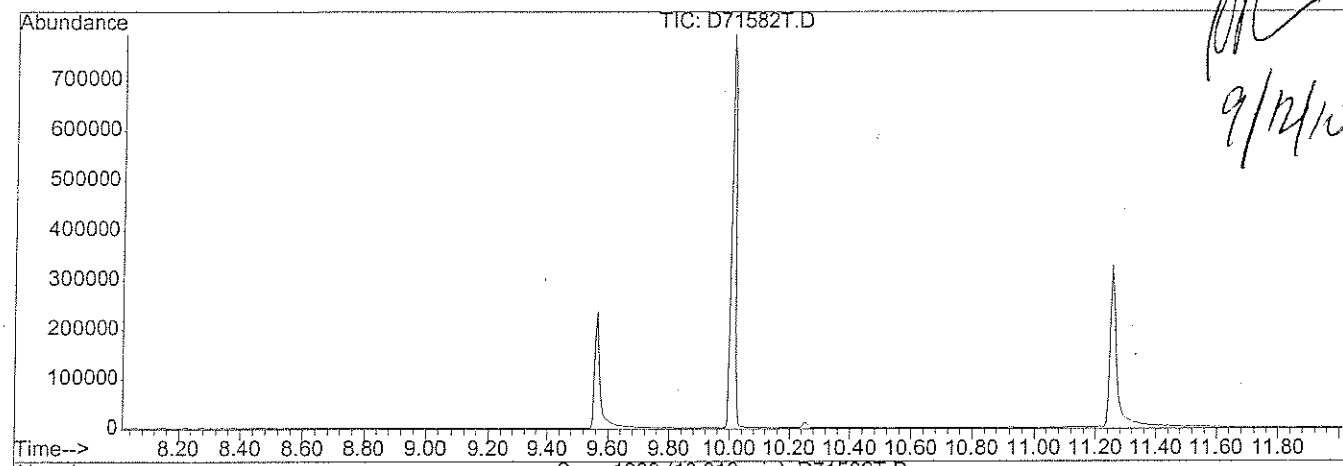
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10041 ARO 20	D71584SC.D	9/10/10 21:36
HEXANE W/IS	D71585.D	9/10/10 22:06
B090910EASE	D71589B.D	9/11/10 0:13
L090910EASE	D71590Q.D	9/11/10 0:42
LD090910EASE	D71591Q.D	9/11/10 1:12
67722-1	D71593.D	9/11/10 2:12
67722-2	D71595.D	9/11/10 3:12
67722-3	D71597.D	9/11/10 4:12
67722-4	D71599.D	9/11/10 5:12
S10041 ARO 20	D71601SC.D	9/11/10 6:34
S10041 ARO 20	D71603SC.D	9/11/10 7:33

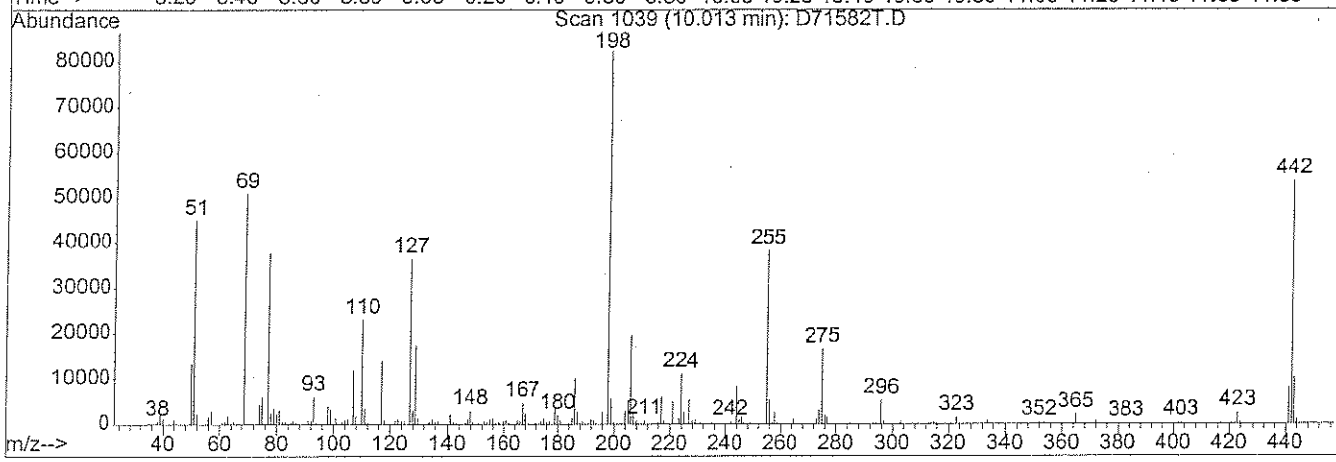
Refer to the DFTPP report D71582T.D for ion ratio evaluation.

DFTPP

Data File : D:\HPCHEM\1\DATA\091010-D\D71582T.D Vial: 1
Acq On : 10 Sep 2010 8:36 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

9/12/10





Spectrum Information: Scan 1039

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.7	45072	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	61.8	50952	PASS
70	69	0.00	2	0.6	298	PASS
127	198	40	60	44.2	36456	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	82416	PASS
199	198	5	9	6.9	5701	PASS
275	198	10	30	20.0	16464	PASS
365	198	1	100	2.6	2163	PASS
441	443	0.01	100	78.0	8008	PASS
442	198	40	100	65.2	53744	PASS
443	442	17	23	19.1	10271	PASS

D91310

D71582T.D TUNMXEPH.M Sat Sep 11 05:10:02 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71582T.D**
Date Acquired **9/10/2010 8:36**

9/12/10

Name	Target Response
PENTACHLOROPHENOL	26244.00
BENZIDINE	173404.00
DDE	330.00
DDD	1100
DDT	142642

(0% - 20%)

%DDT BREAKDOWN = 0.99% **OK**

D91360

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71582T.D
Acq On : 10 Sep 2010 8:36 pm
Sample : S9836 TUNEMIX 50NG
Misc :
Integration Params: rteint.p
Quant Time: Sep 11 5:09 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.56	266	26244	10.41 UG/L	96
2) DFTPP	10.01	198	79064	25.88 ug/ml	98
3) BENZIDINE	11.25	184	173404	21.61 UG/L #	100
4) DDE	11.52	246	330	3.30 UG/L #	100
5) DDD	12.08	235	1100	11.00 UG/L	99
6) DDT	12.62	235	142642	31.57 UG/L	98

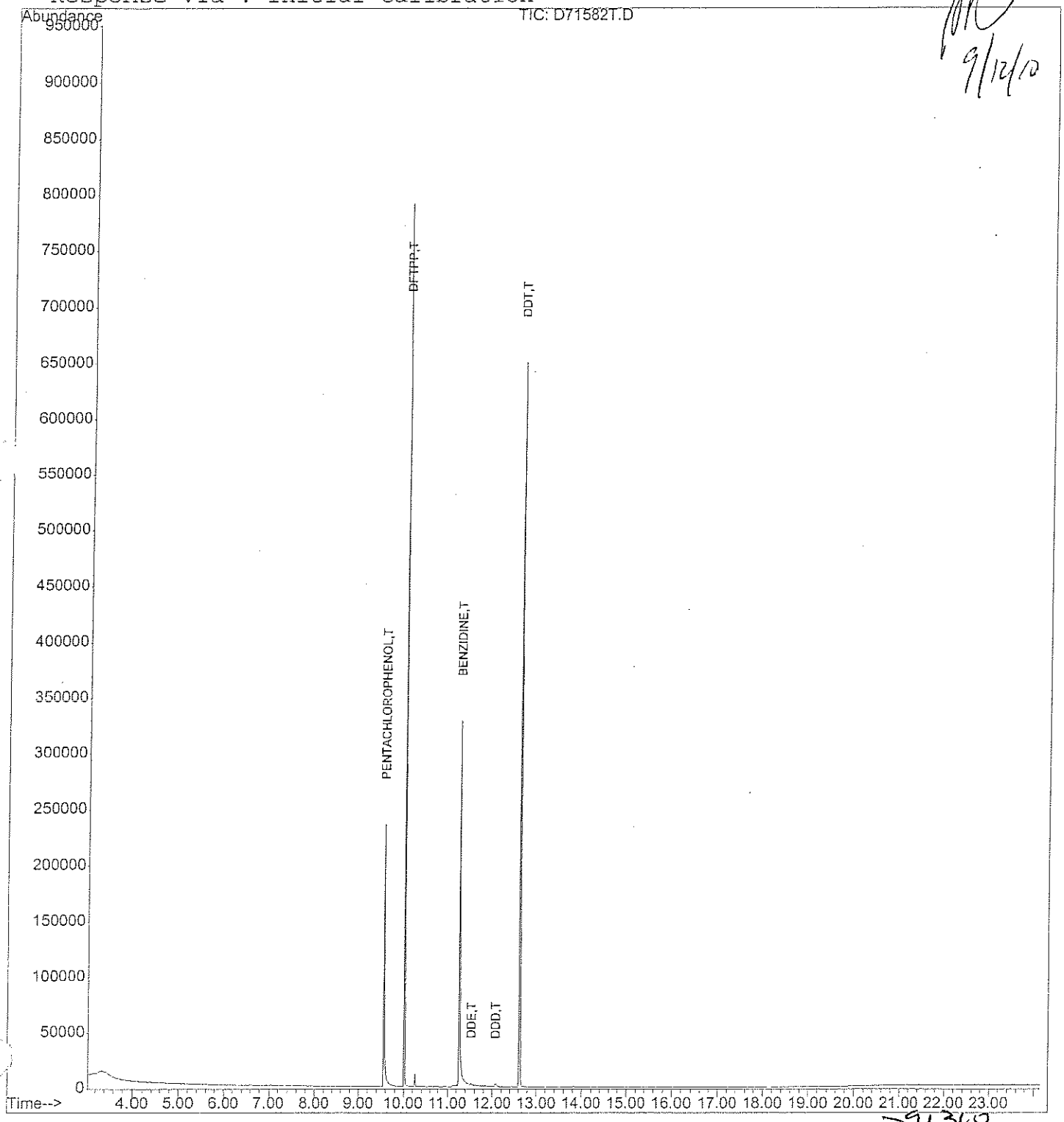
D91360

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71582T.D Vial: 1
Acq On : 10 Sep 2010 8:36 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 11 5:09 2010 Quant Results File: TUNMXEPH.RE

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration



9/12/10

591360

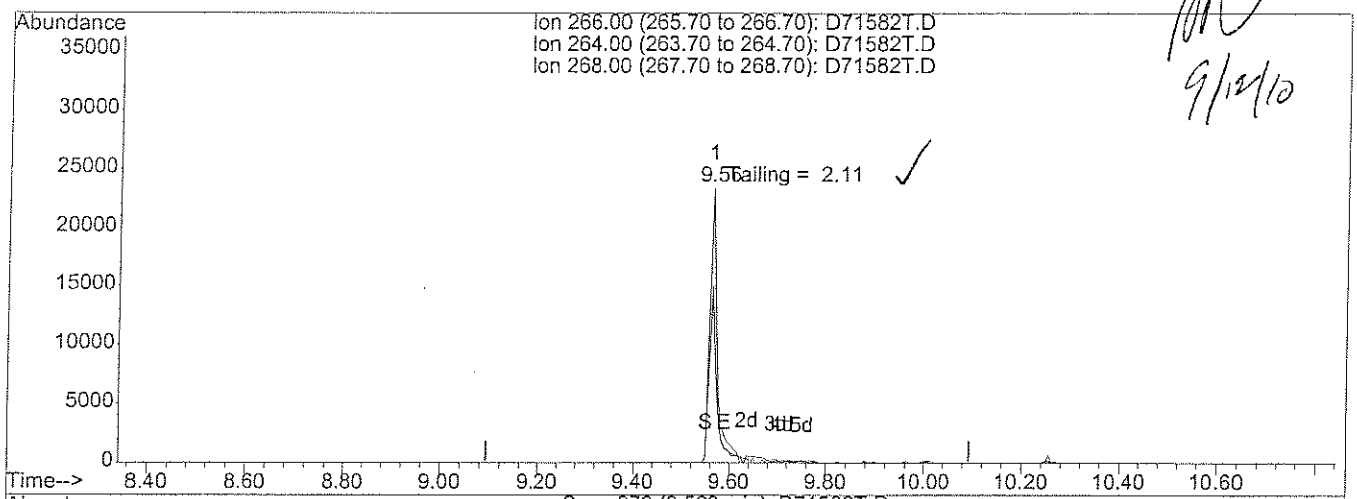
Quantitation Report (Qedit)

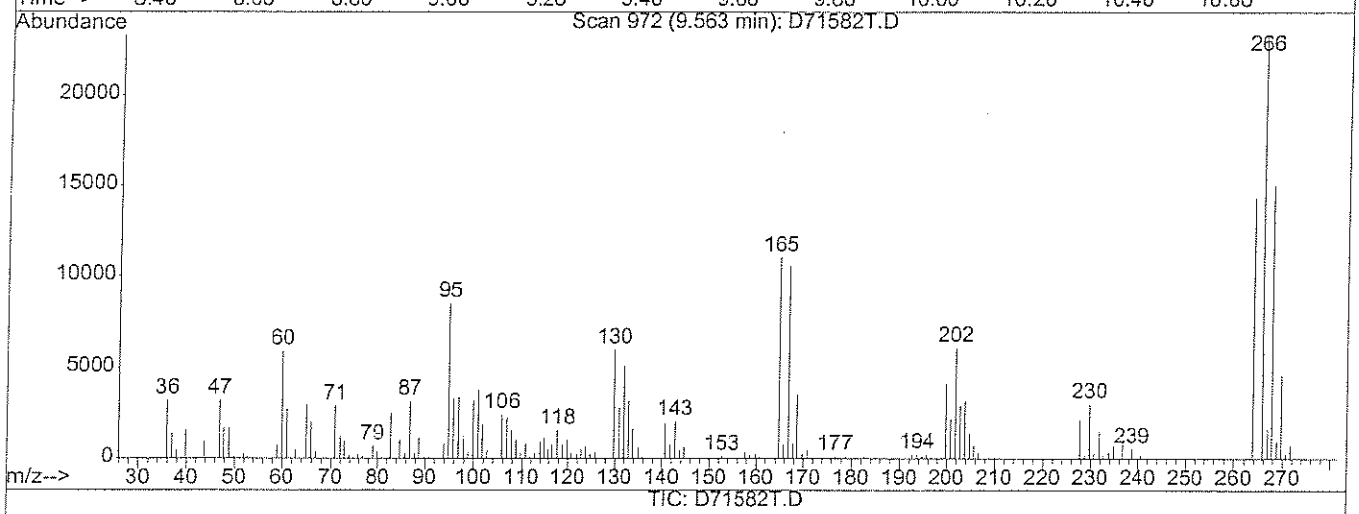
Data File : D:\HPCHEM\1\DATA\091010-D\D71582T.D
Acq On : 10 Sep 2010 8:36 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 11 5:09 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

MV 9/12/10





(1) PENTACHLOROPHENOL (T)

9.56min 10.41UG/L

response 26244

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	64.75
268.00	62.40	64.49
0.00	0.00	0.00

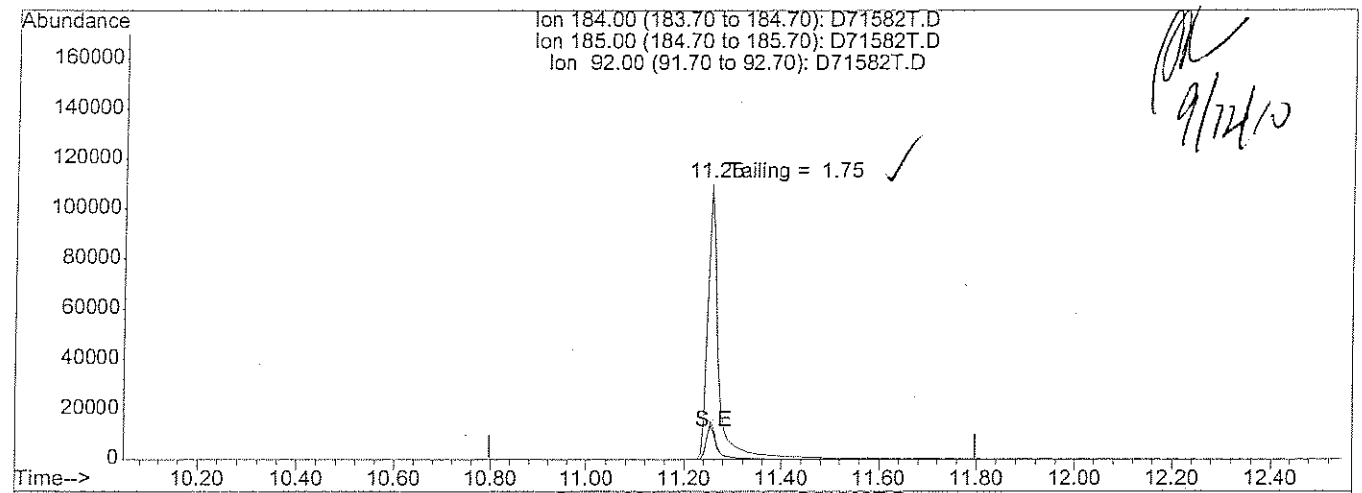
D71310

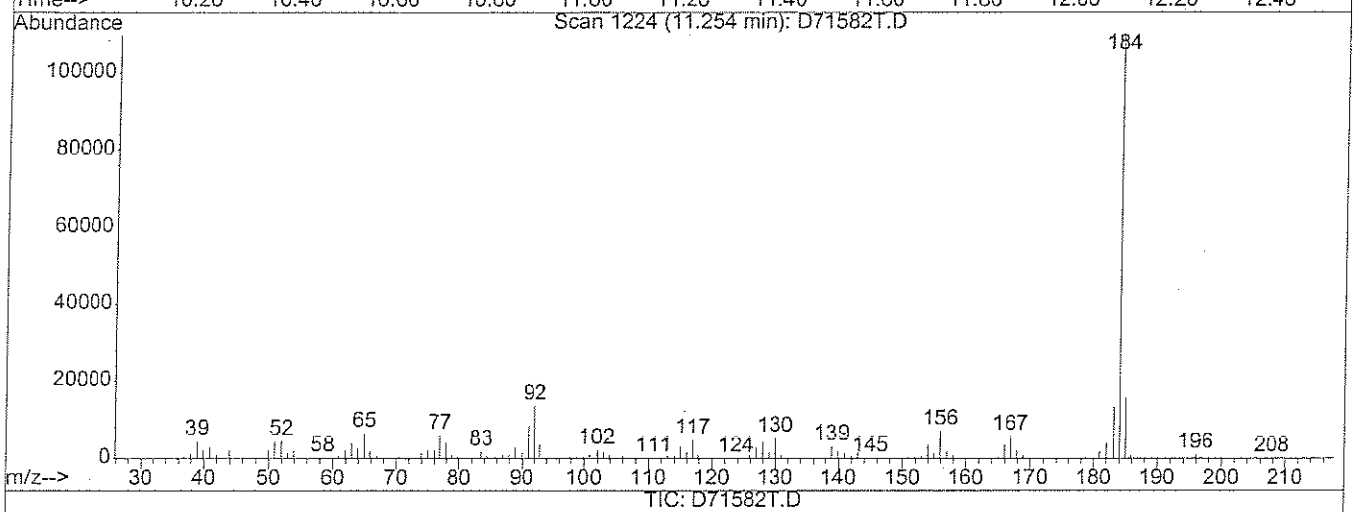
D71582T.D TUNMXEPH.M Sat Sep 11 05:10:57 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71582T.D Vial: 1
Acq On : 10 Sep 2010 8:36 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 11 5:09 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration





TIC: D71582T.D

(3) BENZIDINE (T)

11.25min 21.61UG/L

response 173404

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.08#
92.00	0.00	11.93#
0.00	0.00	0.00

9/12/10

091310

D71582T.D TUNMXEPH.M Sat Sep 11 05:11:04 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
DFTPP File ID: D71605T.D
DFTPP Injection Date: 09/11/10
DFTPP Injection Time: 8:33

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71606SC.D	9/11/10 9:03
HEXANE W/IS	D71608.D	9/11/10 10:03
B090910EASE,,RR	D71609B.D	9/11/10 10:33
67722-1	D71611.D	9/11/10 11:33
67722-2	D71612.D	9/11/10 12:02
67722-3	D71613.D	9/11/10 12:32
67722-4	D71614.D	9/11/10 13:02
67722-2,MS	D71621SP.D	9/11/10 16:31
67722-2,MSD	D71622SP.D	9/11/10 17:01
S10042 ALI 40	D71625SC.D	9/11/10 18:31
S10042 ALI 40	D71627SC.D	9/11/10 19:31

Refer to the DFTPP report D71605T.D for ion ratio evaluation.

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67722
DFTPP File ID: D71605T.D
DFTPP Injection Date: 09/11/10
DFTPP Injection Time: 8:33

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10041 ARO 20	D71607SC.D	9/11/10 9:33
HEXANE W/IS	D71608.D	9/11/10 10:03
B090910EASE,,RR	D71610B.D	9/11/10 11:03
67722-3	D71615.D	9/11/10 13:32
67722-4	D71616.D	9/11/10 14:02
67722-2,MS	D71623SP.D	9/11/10 17:31
67722-2,MSD	D71624SP.D	9/11/10 18:01
S10041 ARO 20	D71626SC.D	9/11/10 19:01
S10041 ARO 20	D71628SC.D	9/11/10 20:01

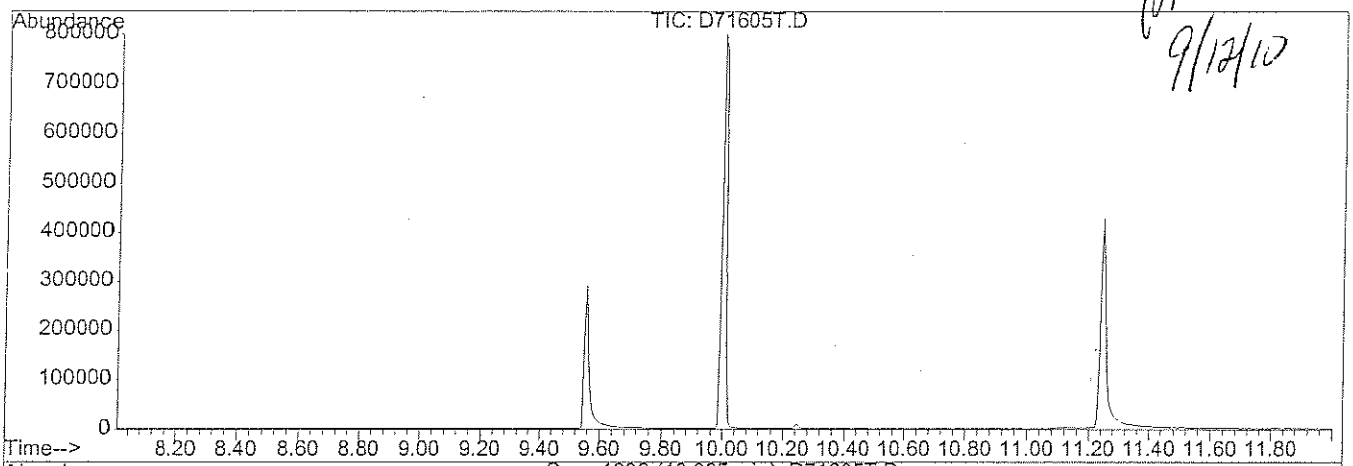
Refer to the DFTPP report D71605T.D for ion ratio evaluation.

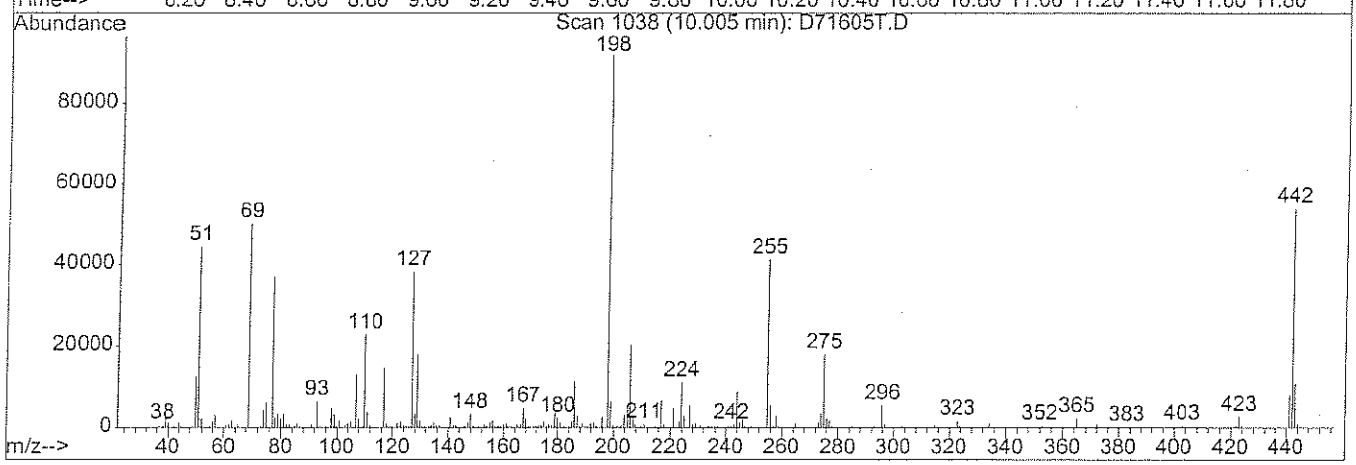
EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\091010-D\D71605T.D Vial: 1
Acq On : 11 Sep 2010 8:33 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

9/12/10





Spectrum Information: Scan 1038

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	48.3	44512	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	54.5	50200	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	41.6	38336	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	92136	PASS
199	198	5	9	6.8	6268	PASS
275	198	10	30	19.5	17992	PASS
365	198	1	100	2.5	2338	PASS
441	443	0.01	100	74.6	8140	PASS
442	198	40	100	58.7	54040	PASS
443	442	17	23	20.2	10911	PASS

D71310

D71605T.D TUNMXEPH.M Sun Sep 12 10:58:06 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71605T.D**
Date Acquired **9/11/2010 8:33**

9/12/10

Name	Target Response
PENTACHLOROPHENOL	33856.00
BENZIDINE	220716.00
DDE	240.00
DDD	929
DDT	153053

(0% - 20%)

%DDT BREAKDOWN = 0.76% **OK** ✓

091310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71605T.D
Acq On : 11 Sep 2010 8:33 am
Sample : S9836 TUNEMIX 50NG
Misc :
3 Integration Params: rteint.p
Quant Time: Sep 12 10:58 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

AR 9/20/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.56	266	33856	13.43	UG/L	99
2) DFTPP	10.00	198	87537	28.65	ug/ml	94
3) BENZIDINE	11.25	184	220716	27.51	UG/L #	100
4) DDE	11.51	246	240	2.40	UG/L #	100
5) DDD	12.07	235	929	9.29	UG/L #	64
6) DDT	12.61	235	153053	33.87	UG/L	98

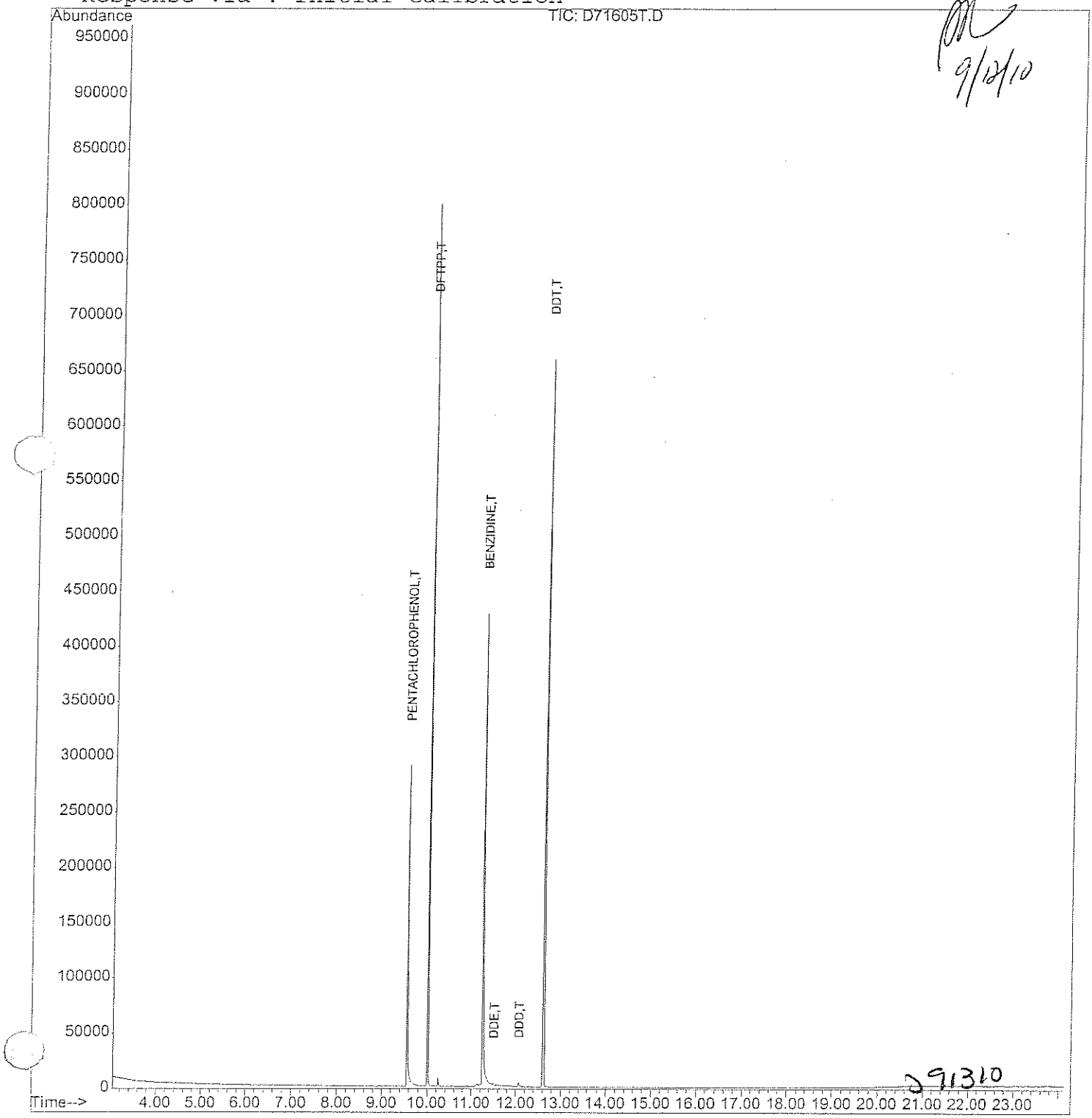
D91300

(#) = qualifier out of range (m) = manual integration
D71605T.D TUNMXEPH.M Sun Sep 12 10:58:52 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71605T.D Vial: 1
Acq On : 11 Sep 2010 8:33 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 12 10:58 2010 Quant Results File: TUNMXEPH.RE

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration



9/12/10

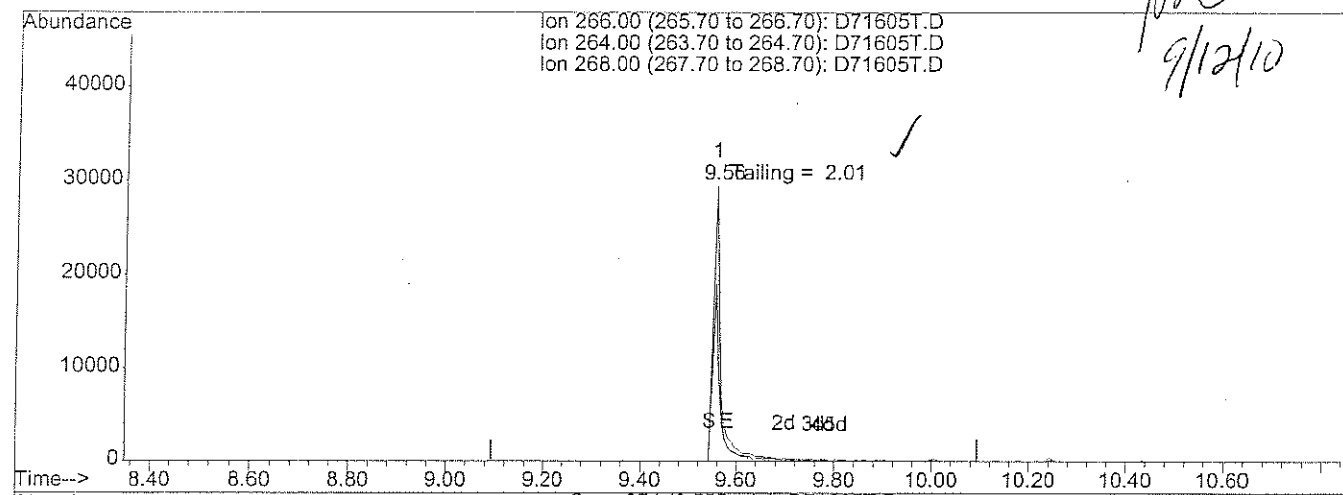
D91310

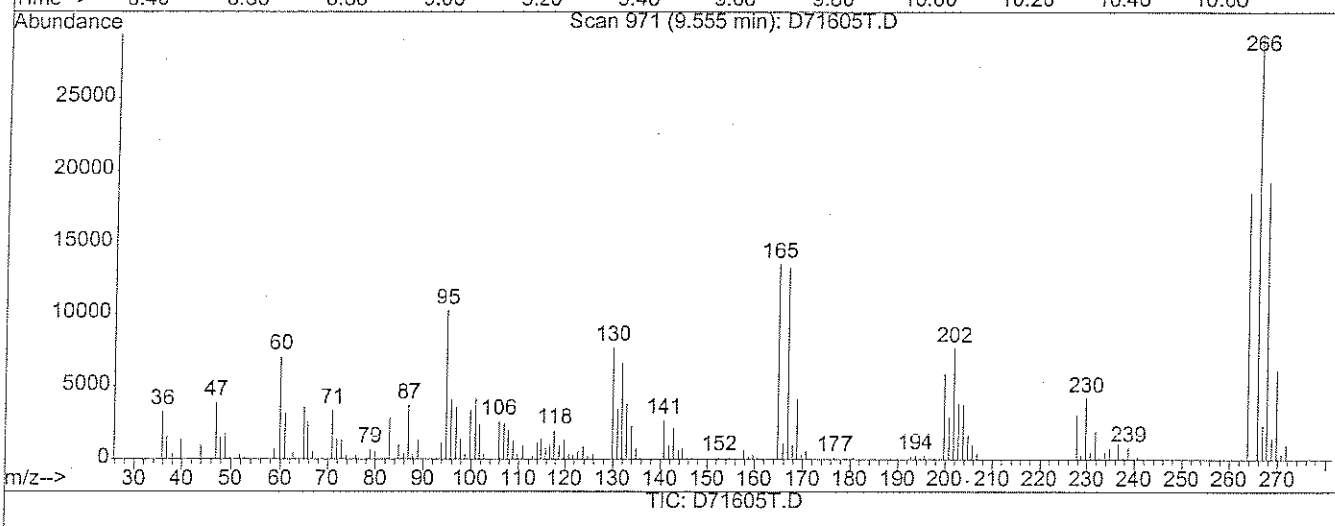
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71605T.D Vial: 1
Acq On : 11 Sep 2010 8:33 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 12 10:58 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/12/10





(1) PENTACHLOROPHENOL (T)

9.56min 13.43UG/L

response 33856

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	58.46
268.00	62.40	61.76
0.00	0.00	0.00

D91310

D71605T.D TUNMXEPH.M Sun Sep 12 10:59:13 2010

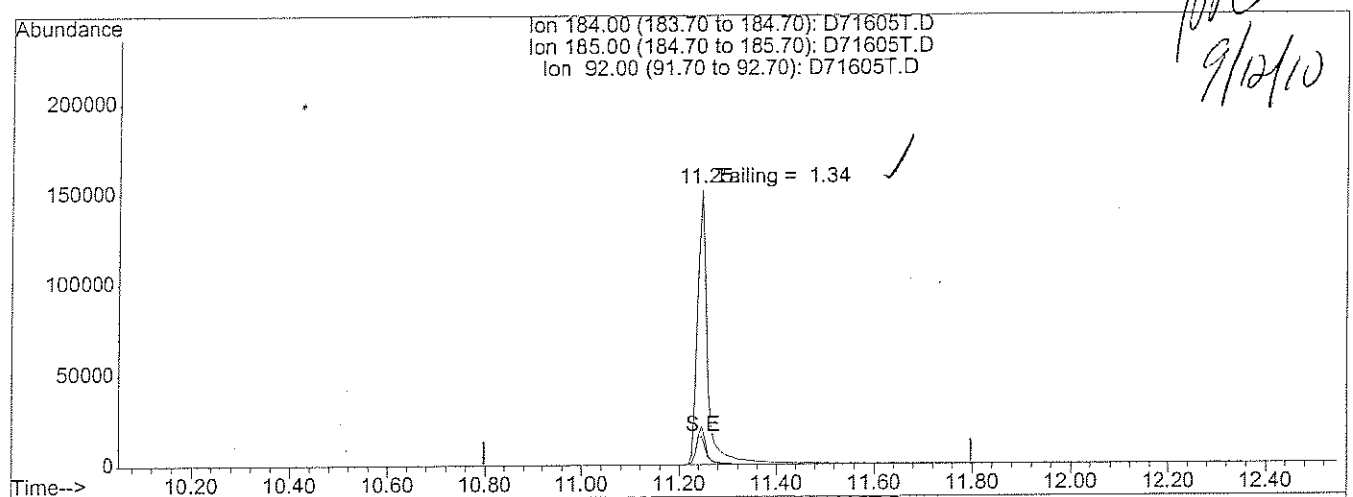
Quantitation Report (Qedit)

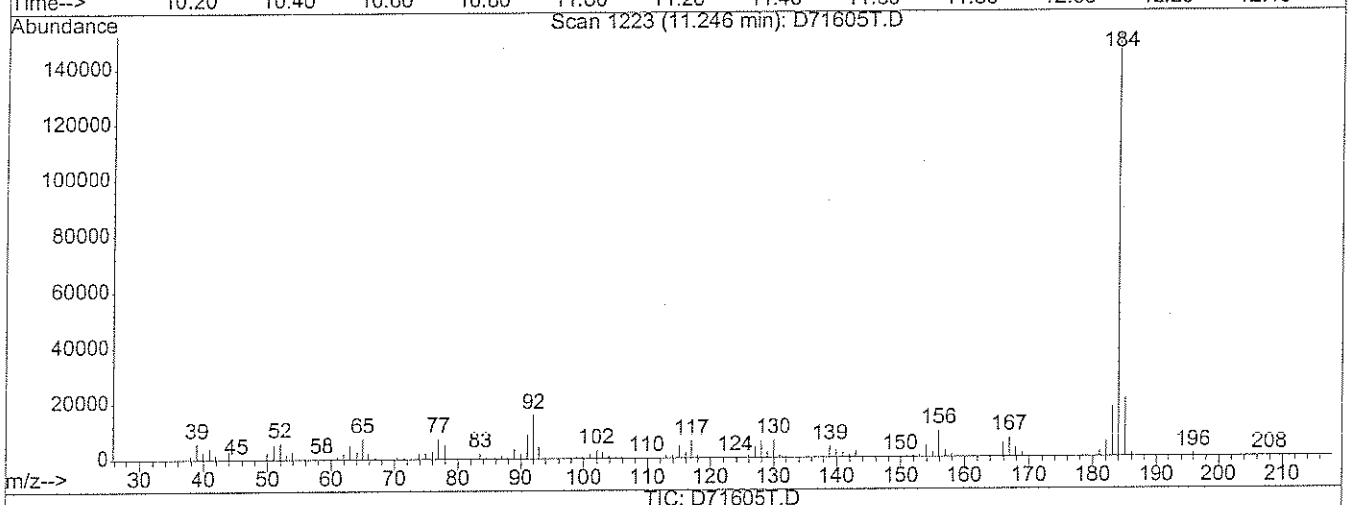
Data File : D:\HPCHEM\1\DATA\091010-D\D71605T.D
Acq On : 11 Sep 2010 8:33 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 12 10:58 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/12/10





TIC: D71605T.D

(3) BENZIDINE (T)

11.25min 27.51UG/L

response 220716

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.89#
92.00	0.00	10.85#
0.00	0.00	0.00

091310

D71605T.D TUNMXEPH.M Sun Sep 12 10:59:21 2010

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010

NM 80560

Calibration Files

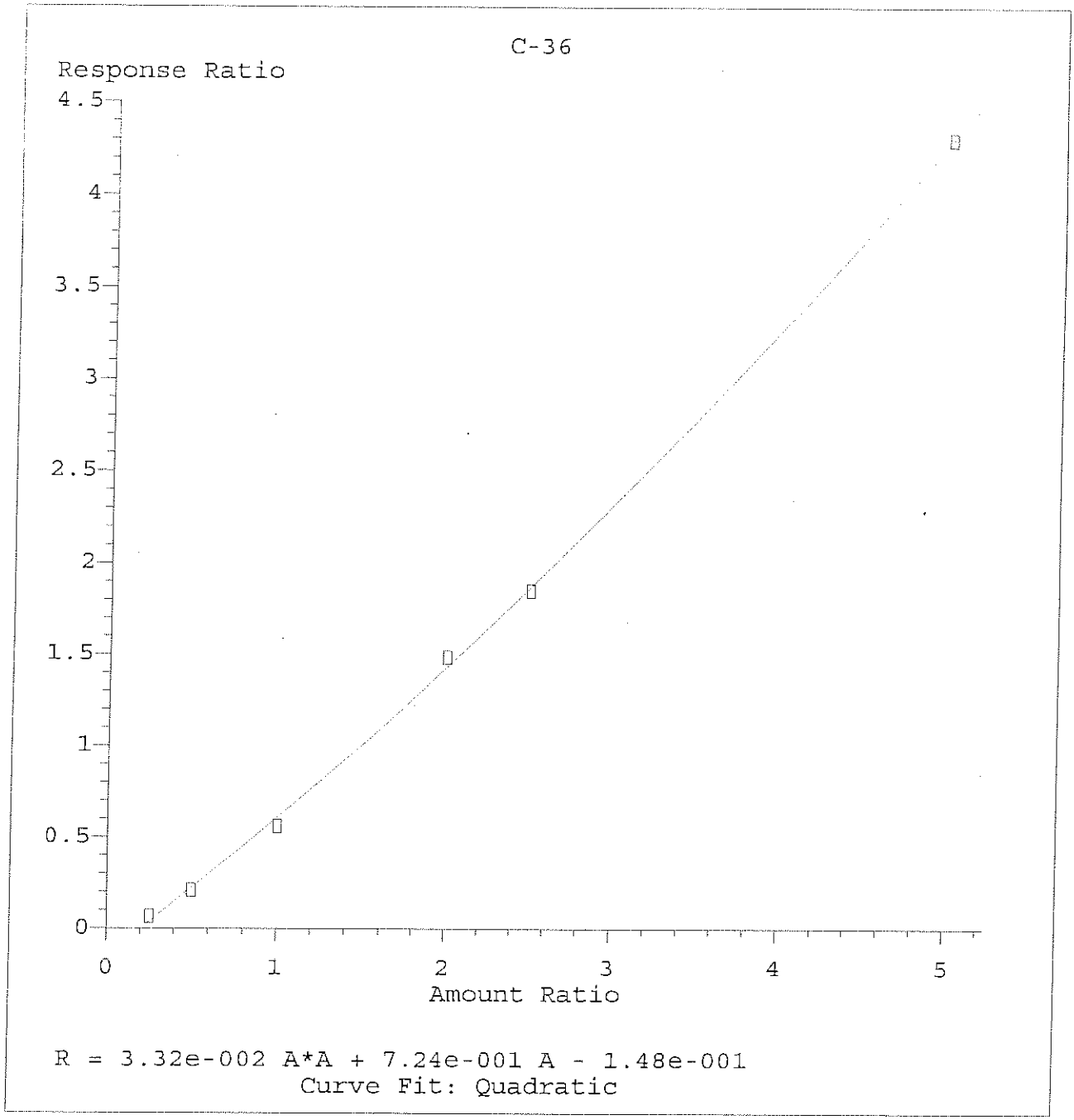
5	=D71447SI.D	10	=D71448SI.D	20	=D71449SI.D
40	=D71450SI.D	50	=D71451SI.D	100	=D71452SI.D

	Compound	5	10	20	40	50	100	Avg		%RS
1)	I 5-alpha-Androstane	----------ISTD----------								
2)	TZM C-9	1.183	1.207	1.210	1.297	1.278	1.277	1.242	0	3.8
3)	TZM C-10	1.208	1.243	1.232	1.328	1.325	1.283	1.270	0	3.9
4)	TZM C-12	1.226	1.320	1.372	1.449	1.422	1.394	1.364	0	5.9
5)	TZM C-14	1.287	1.336	1.376	1.498	1.486	1.410	1.399	0	5.9
6)	TZM C-16	1.221	1.308	1.370	1.410	1.411	1.381	1.350	0	5.4
7)	TZM C-18	1.202	1.290	1.351	1.451	1.435	1.329	1.343	0	6.8
8)	XH C9-C18 ✓	1.221	1.284	1.319	1.405	1.393	1.346	1.328	0	5.2
9)	TZM C-19	1.201	1.280	1.351	1.418	1.425	1.296	1.329	0	6.5
10)	TZM C-20	1.160	1.240	1.286	1.445	1.394	1.287	1.302	0	7.9
11)	S 1-Chlorooctadecane	1.087	1.167	1.211	1.310	1.301	1.288	1.227	0	7.2
12)	TZM C-22	1.146	1.251	1.294	1.401	1.365	1.282	1.290	0	6.9
13)	TZM C-24	0.999	1.219	1.235	1.377	1.347	1.251	1.238	0	10.7
14)	TZM C-26	0.897	1.133	1.184	1.311	1.208	1.147	1.147	0	12.0
15)	TZM C-28	0.701	0.966	1.045	1.149	1.115	1.062	1.006	0	16.1
16)	TZM C-30	0.584	0.821	0.931	1.078	1.043	0.979	0.906	0	20.0
[illegible]	TZM C-36	0.268	0.418	0.560	0.742	0.740	0.860	0.598	0	37.5
[illegible]	XH C19-C36 ✓	0.869	1.041	1.111	1.240	1.205	1.145	1.102	0	12.1

✓ PM 8/5/10

(#) = Out of Range

N10 80510



Method Name: D:\HPCHEM\1\METHODS\ALG80410.M
Calibration Table Last Updated: Thu Aug 05 08:16:42 2010

JOM 8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71447SI.D
Acq On : 5 Aug 2010 2:18 am
Sample : S9700 ALI 5
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP 80410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6392677	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	694715	1.771 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	8.85%#
Target Compounds			
2) TZM C-9	4.24	1891193	4.764 ug/ml
3) TZM C-10	5.20	1931056	4.757 ug/ml
4) TZM C-12	6.66	1959344	4.494 ug/ml
5) TZM C-14	7.84	2056697	4.600 ug/ml
6) TZM C-16	8.86	1951643	4.522 ug/ml
7) TZM C-18	9.77	1921309	4.476 ug/ml
8) XH C9-C18	7.58	13597137	32.033 ug/ml
9) TZM C-19	10.20	1920131	4.522 ug/ml
10) TZM C-20	10.65	1853445	4.454 ug/ml
12) TZM C-22	11.68	1831839	4.443 ug/ml
13) TZM C-24	13.01	1596452	4.034 ug/ml
14) TZM C-26	14.50	1432921	3.910 ug/ml
15) TZM C-28	16.04	1119751	3.482 ug/ml
16) TZM C-30	17.55	933127	3.223 ug/ml
17) TZM C-36	21.63	428162	5.856 ug/ml
18) XH C19-C36	12.10	18819045	53.433 ug/ml

AR 8/9/10

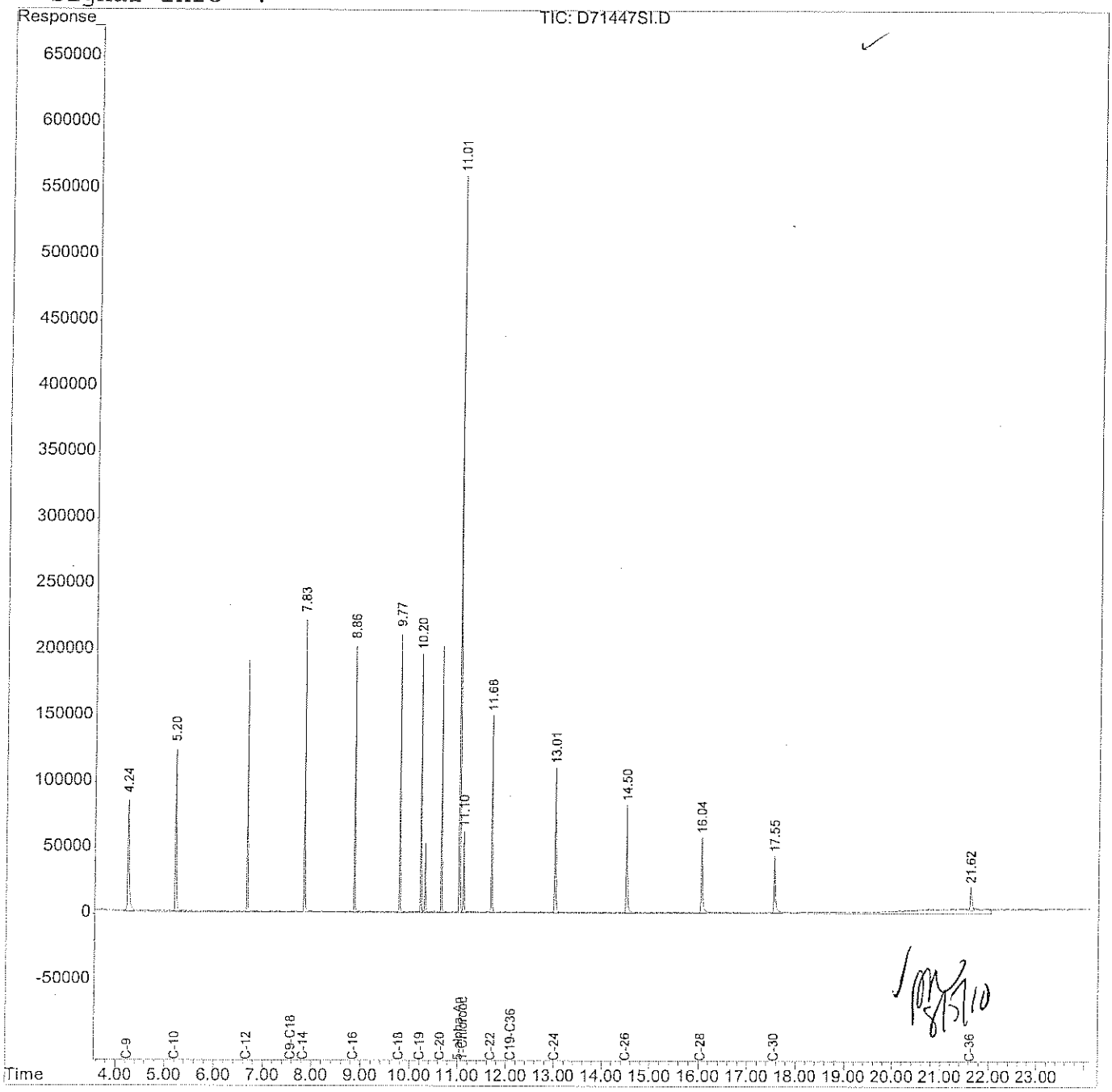
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71447SI.D Vial: 2
Acq On : 5 Aug 2010 2:18 am Operator: AR/NP
Sample : S9700 ALI 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NP 80410

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71448SI.D Vial: 3
Acq On : 5 Aug 2010 2:48 am Operator: AR/NP
Sample : S9701 ALI 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6336218	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	1479291	3.804 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	19.02%#
Target Compounds			
2) TZM C-9	4.24	3822700	9.716 ug/ml
3) TZM C-10	5.20	3938623	9.789 ug/ml
4) TZM C-12	6.66	4181325	9.677 ug/ml
5) TZM C-14	7.84	4233963	9.554 ug/ml
6) TZM C-16	8.86	4142955	9.685 ug/ml
7) TZM C-18	9.78	4088278	9.608 ug/ml
8) XH C9-C18	7.58	26462635	62.897 ug/ml
9) TZM C-19	10.20	4053948	9.632 ug/ml
10) TZM C-20	10.65	3929689	9.527 ug/ml
12) TZM C-22	11.68	3962671	9.698 ug/ml
13) TZM C-24	13.01	3863046	9.849 ug/ml
14) TZM C-26	14.50	3588388	9.878 ug/ml
15) TZM C-28	16.04	3060440	9.601 ug/ml
16) TZM C-30	17.55	2600258	9.060 ug/ml
17) TZM C-36	21.63	1322837	9.639 ug/ml
18) XH C19-C36	12.10	35862300	102.732 ug/ml

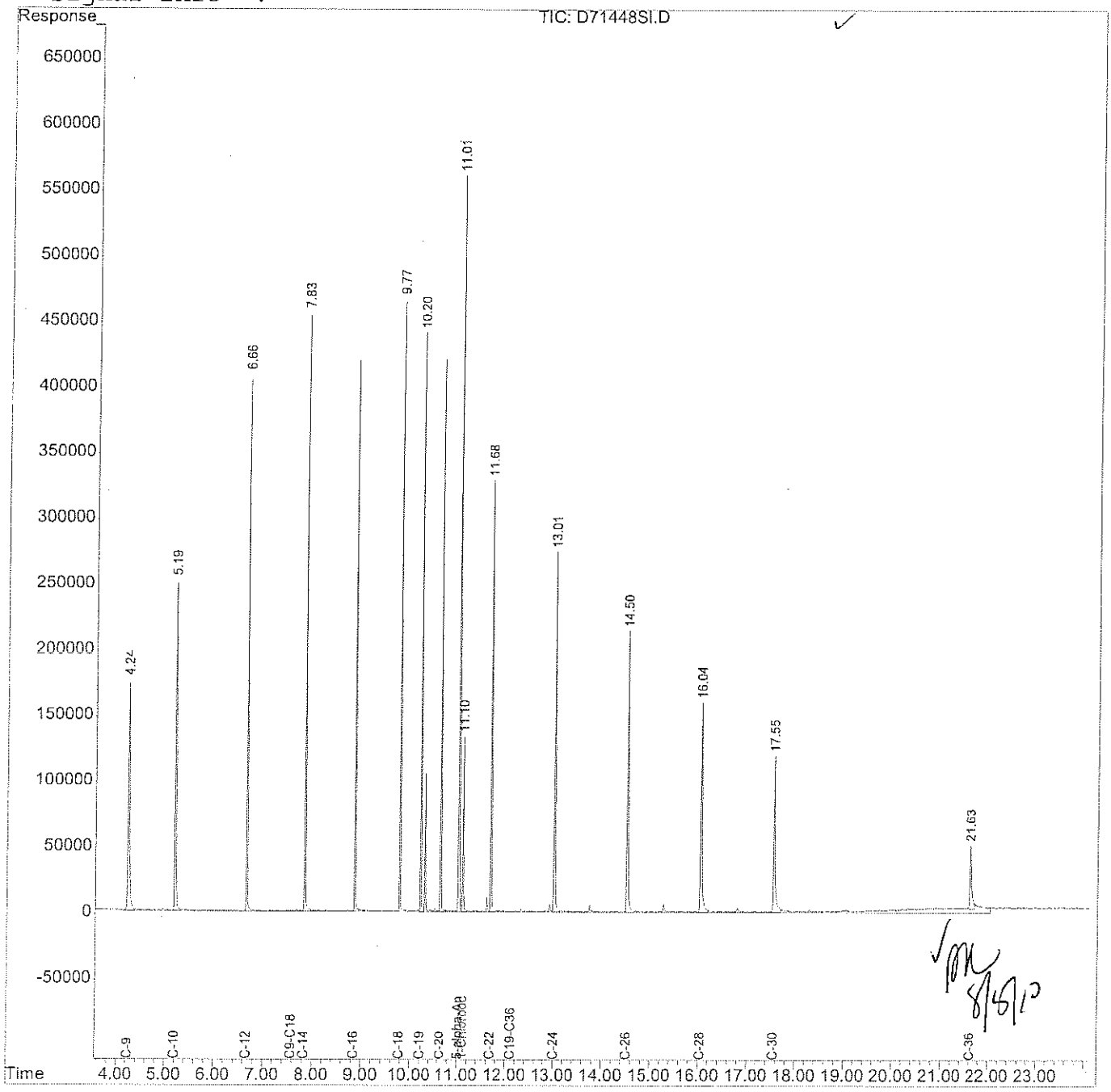
✓ pn 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71448SI.D Vial: 3
Acq On : 5 Aug 2010 2:48 am Operator: AR/NP
Sample : S9701 ALI 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration NP080410
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71449SI.D Vial: 4
Acq On : 5 Aug 2010 3:19 am Operator: AR/NP
Sample : S9702 ALI 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

ND 80410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7097682	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	3438982	7.895 ug/ml
Spiked Amount 20.000 Range 40 - 140 Recovery = 39.48%#			
Target Compounds			
2) TZM C-9	4.24	8588165	19.486 ug/ml
3) TZM C-10	5.20	8746659	19.406 ug/ml
4) TZM C-12	6.66	9739787	20.122 ug/ml
5) TZM C-14	7.84	9764383	19.669 ug/ml
6) TZM C-16	8.86	9726068	20.297 ug/ml
7) TZM C-18	9.77	9590287	20.121 ug/ml
8) XH C9-C18	7.58	59053936	125.303 ug/ml
9) TZM C-19	10.20	9591604	20.344 ug/ml
10) TZM C-20	10.65	9128743	19.757 ug/ml
12) TZM C-22	11.68	9185337	20.067 ug/ml
13) TZM C-24	13.01	8763475	19.947 ug/ml
14) TZM C-26	14.50	8407095	20.660 ug/ml
15) TZM C-28	16.04	7415225	20.766 ug/ml
16) TZM C-30	17.55	6607521	20.553 ug/ml
17) TZM C-36	21.63	3975883	18.754 ug/ml
18) XH C19-C36	12.10	74373245	190.194 ug/ml

8/5/10

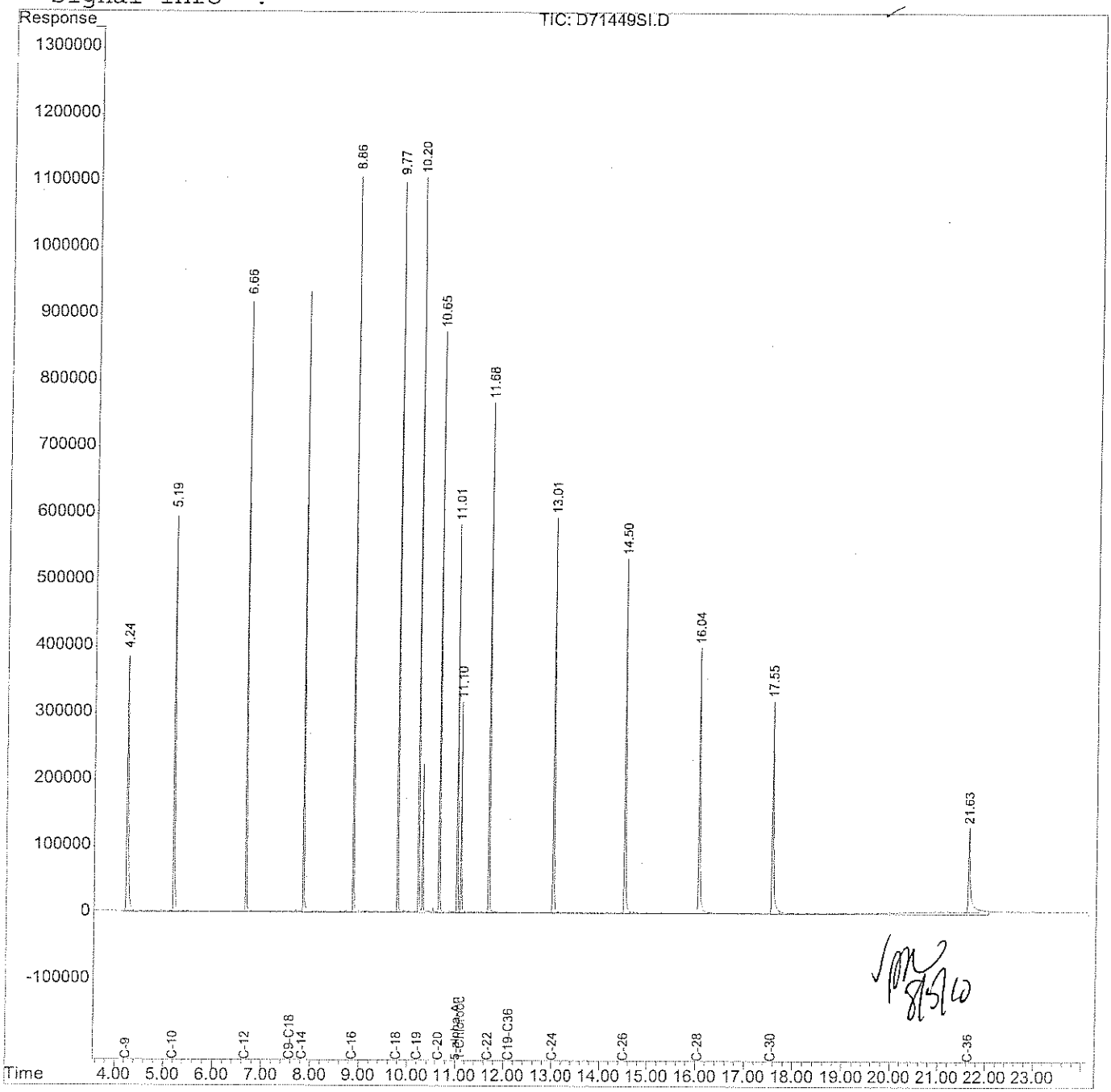
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71449SI.D Vial: 4
Acq On : 5 Aug 2010 3:19 am Operator: AR/NP
Sample : S9702 ALI 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

AR080410

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D Vial: 5
Acq On : 5 Aug 2010 3:49 am Operator: AR/NP
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NM80410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6995121	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	7331733	17.080 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.40%
Target Compounds			
2) TZM C-9	4.24	18142546	41.768 ug/ml
3) TZM C-10	5.20	18581737	41.832 ug/ml
4) TZM C-12	6.66	20277452	42.507 ug/ml
5) TZM C-14	7.84	20955405	42.832 ug/ml
6) TZM C-16	8.86	19724958	41.766 ug/ml
7) TZM C-18	9.78	20294947	43.204 ug/ml
8) XH C9-C18	7.58	121466705	261.512 ug/ml
9) TZM C-19	10.21	19831232	42.680 ug/ml
10) TZM C-20	10.65	20212359	44.386 ug/ml
12) TZM C-22	11.68	19594057	43.434 ug/ml
13) TZM C-24	13.02	19266627	44.496 ug/ml
14) TZM C-26	14.51	18335389	45.718 ug/ml
15) TZM C-28	16.05	16077236	45.684 ug/ml
16) TZM C-30	17.56	15083647	47.606 ug/ml
17) TZM C-36	21.64	10386932	41.215 ug/ml
18) XH C19-C36	12.10	154317013	400.420 ug/ml

JPN 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

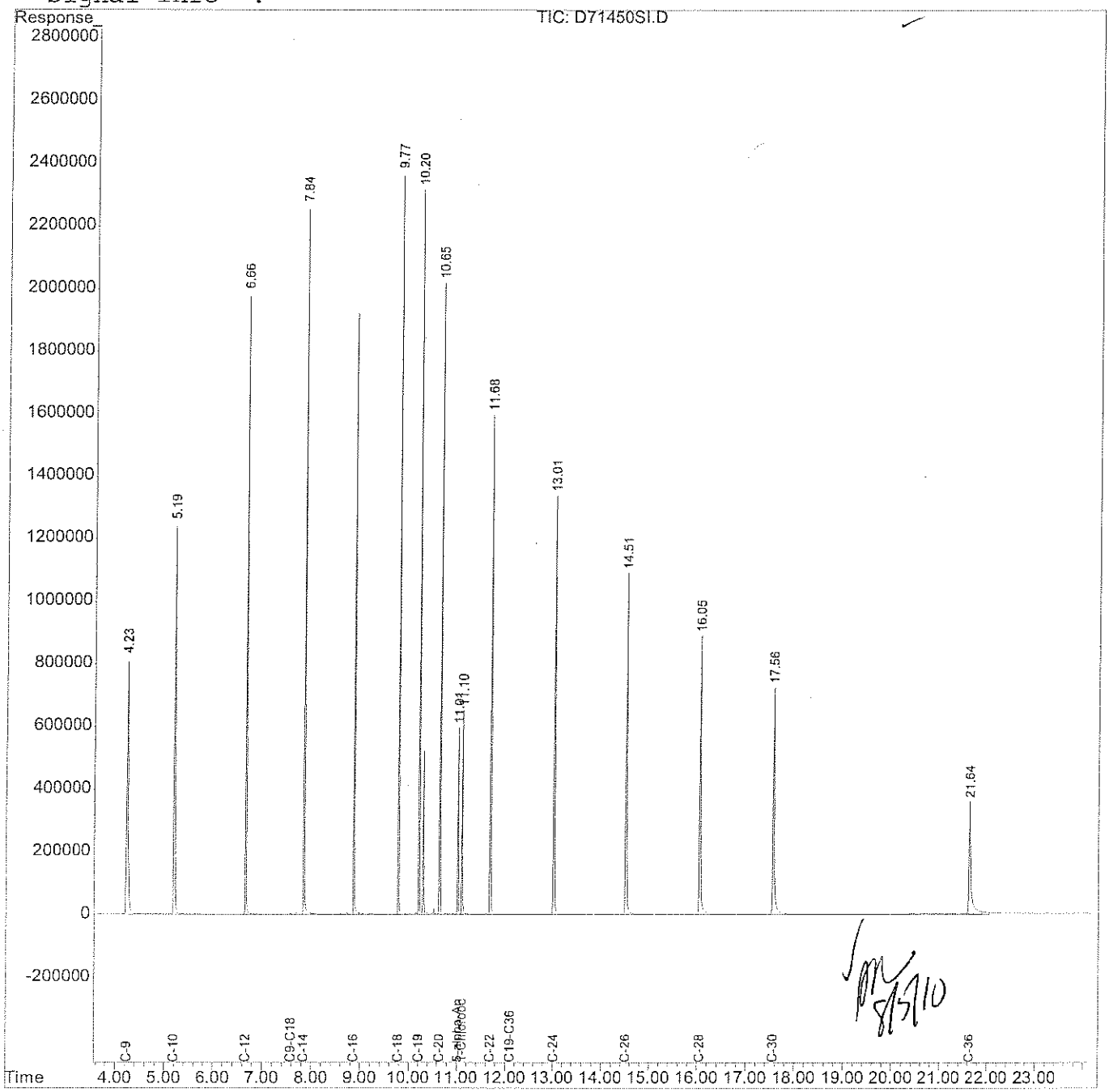
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D Vial: 5
Acq On : 5 Aug 2010 3:49 am Operator: AR/NP
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NP 8/24/10

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71451SI.D Vial: 6
Acq On : 5 Aug 2010 4:20 am Operator: AR/NP
Sample : S9704 ALI 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Np080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6719901	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.11	8740750	21.196 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	105.98%
Target Compounds			
2) TZM C-9	4.23	21471611	51.457 ug/ml
3) TZM C-10	5.20	22257625	52.159 ug/ml
4) TZM C-12	6.66	23885748	52.122 ug/ml
5) TZM C-14	7.84	24969534	53.126 ug/ml
6) TZM C-16	8.86	23711711	52.264 ug/ml
7) TZM C-18	9.78	24100785	53.407 ug/ml
8) XH C9-C18	7.58	143898899	322.496 ug/ml
9) TZM C-19	10.21	23935439	53.622 ug/ml
10) TZM C-20	10.65	23417674	53.531 ug/ml
12) TZM C-22	11.69	22935371	52.923 ug/ml
13) TZM C-24	13.02	22630520	54.406 ug/ml
14) TZM C-26	14.51	20297682	52.684 ug/ml
15) TZM C-28	16.05	18730549	55.403 ug/ml
16) TZM C-30	17.56	17517785	57.553 ug/ml
17) TZM C-36	21.64	12428650	49.555 ug/ml
18) XH C19-C36	12.10	179826756	485.724 ug/ml

JPM 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

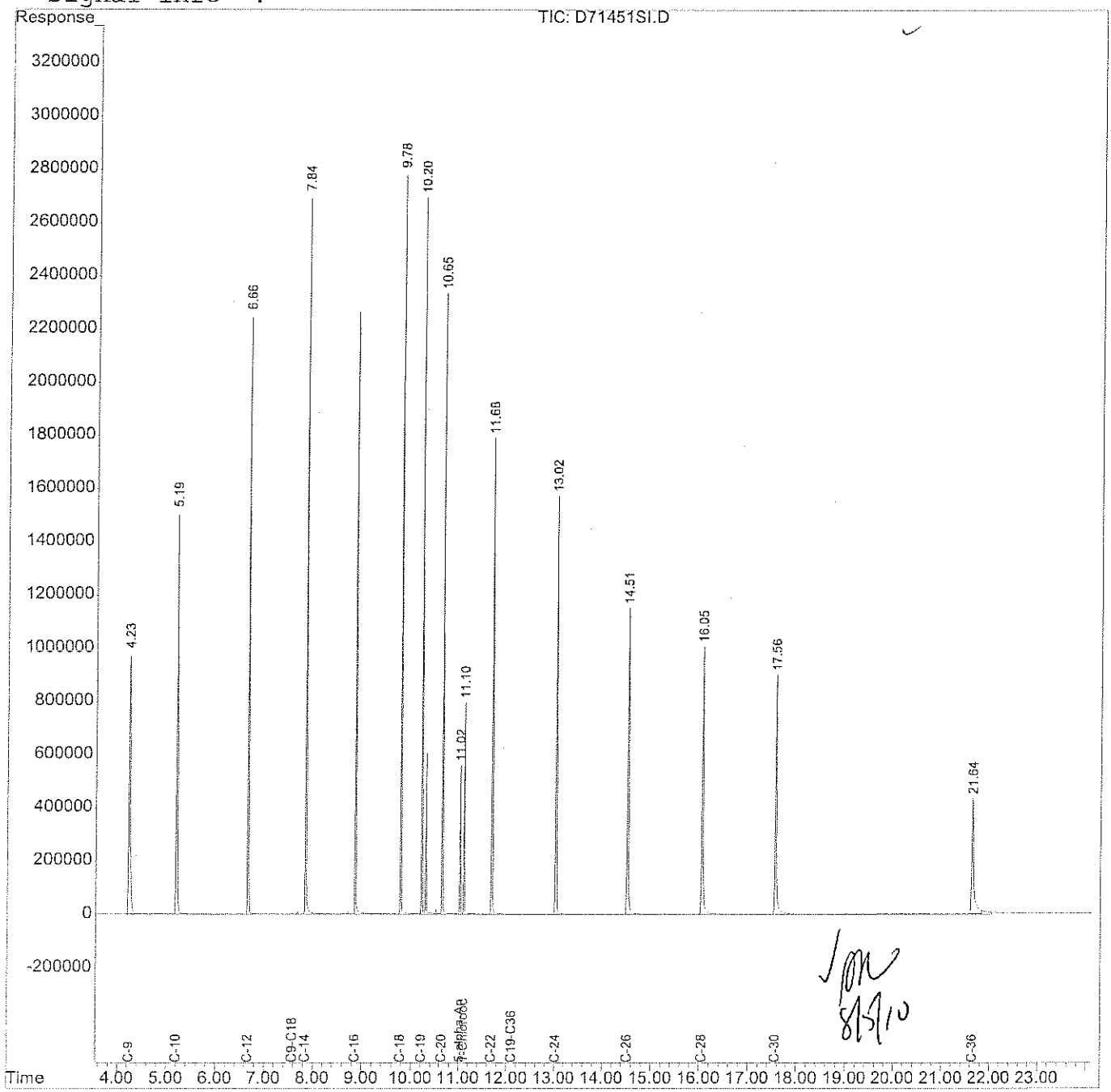
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71451SI.D Vial: 6
Acq On : 5 Aug 2010 4:20 am Operator: AR/NP
Sample : S9704 ALI 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

N7080410

Volume Inj. :
Signal Phase :
Signal Info :



JPN 8/5/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71452SI.D Vial: 7
Acq On : 5 Aug 2010 4:50 am Operator: AR/NP
Sample : S9705 ALI 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NTP 80416

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6944560	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.11	17886066	41.970 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	209.85%#
Target Compounds			
2) TZM C-9	4.24	44324733	102.789 ug/ml
3) TZM C-10	5.20	44561099	101.047 ug/ml
4) TZM C-12	6.67	48409664	102.219 ug/ml
5) TZM C-14	7.84	48952535	100.784 ug/ml
6) TZM C-16	8.87	47958211	102.288 ug/ml
7) TZM C-18	9.78	46158283	98.978 ug/ml
8) XH C9-C18	7.58	285737875	619.660 ug/ml
9) TZM C-19	10.21	45011659	97.577 ug/ml
10) TZM C-20	10.66	44684225	98.841 ug/ml
12) TZM C-22	11.69	44512571	99.390 ug/ml
13) TZM C-24	13.03	43429087	101.030 ug/ml
14) TZM C-26	14.52	39840863	100.065 ug/ml
15) TZM C-28	16.06	36863838	105.513 ug/ml
16) TZM C-30	17.57	33990751	108.060 ug/ml
17) TZM C-36	21.66	29861269	99.974 ug/ml
18) XH C19-C36	12.10	345902377	904.079 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

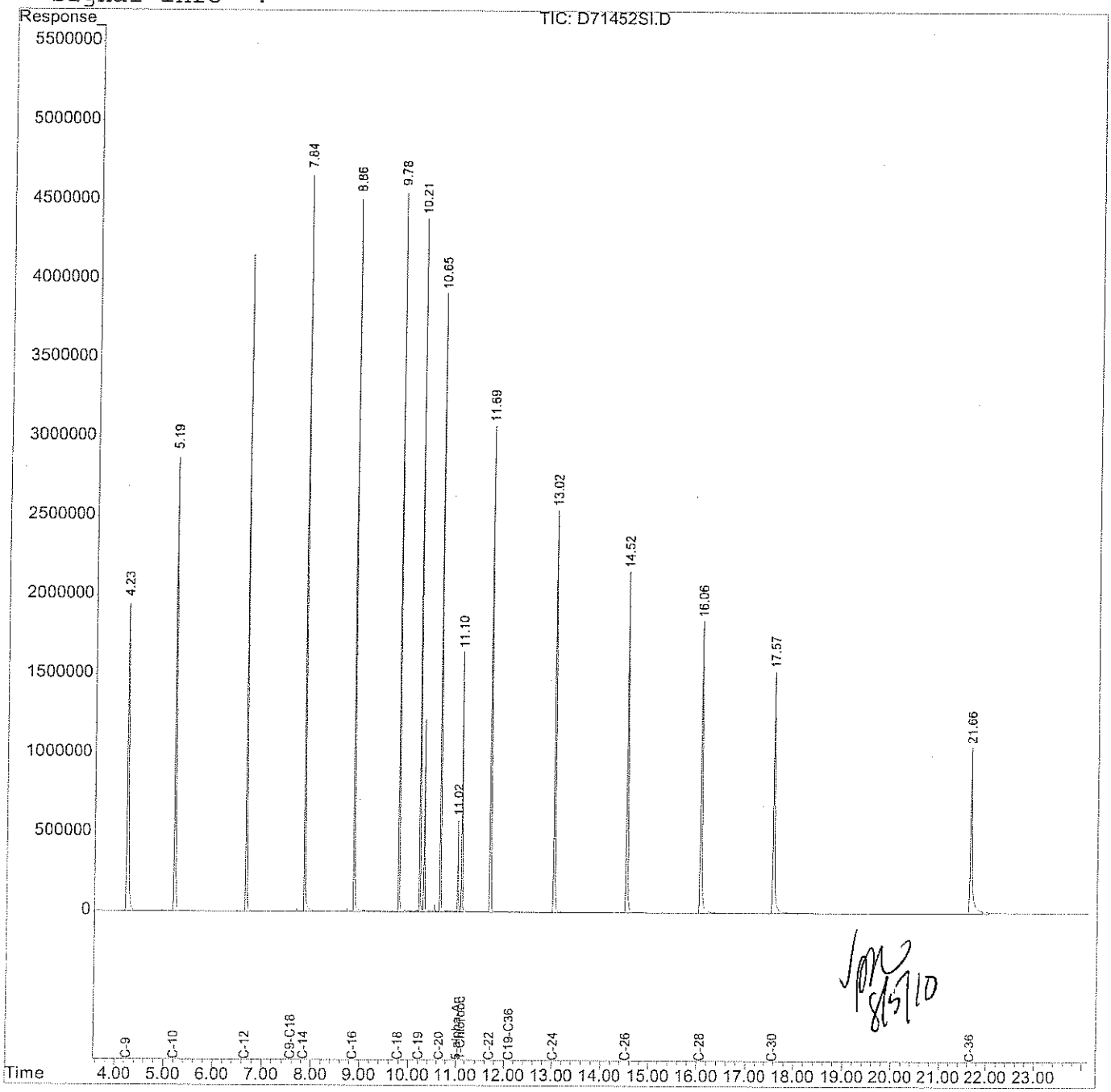
Data File : D:\HPCHEM\1\DATA\080410-D\D71452SI.D
Acq On : 5 Aug 2010 4:50 am
Sample : S9705 ALI 100
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 7
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NTS 80410

Volume Inj. :
Signal Phase :
Signal Info :



JPM 8/5/10

GC ALIPHATIC
2ND SOURCE CHECK

Data File Name D71453.D
Sample Name S9715 ALI 20 ICV
Date Acquired 8/5/2010 5:21

N080410

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
C-9	20.65	20	103%	OK	20.65		
C-10	21.26	20	106%	OK	21.26		
C-12	22.50	20	113%	OK	22.50		
C-14	21.19	20	106%	OK	21.19		
C-16	21.45	20	107%	OK	21.45		
C-18	20.57	20	103%	OK	20.57		
C9-C18		120			**127.62**	106%	OK
C-19	20.54	20	103%	OK	20.54		
C-20	21.18	20	106%	OK	21.18		
C-22	21.05	20	105%	OK	21.05		
C-24	20.76	20	104%	OK	20.76		
C-26	20.40	20	102%	OK	20.40		
C-28	21.22	20	106%	OK	21.22		
C-30	20.68	20	103%	OK	20.68		
C-36	18.98	20	95%	OK	18.98		
C19-C36		160			**164.81**	103%	OK
1-Chlorooctadecane	19.20	20	96%	OK			

Jm 8/5/10

8/5/10 8:18 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ALGICVSUMPRCT.CRT

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71453.D Vial: 8
Acq On : 5 Aug 2010 5:21 am Operator: AR/NP
Sample : S9715 ALI 20 ICV Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP 8/24/10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6985246	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	8231904	19.204 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	96.02%
Target Compounds			
2) TZM C-9	4.22	8955604	20.647 ug/ml
3) TZM C-10	5.19	9430103	21.259 ug/ml
4) TZM C-12	6.66	10720219	22.504 ug/ml
5) TZM C-14	7.84	10353883	21.193 ug/ml
6) TZM C-16	8.86	10118153	21.455 ug/ml
7) TZM C-18	9.77	9647389	20.566 ug/ml
8) XH C9-C18	7.58	64711701	139.518 ug/ml
9) TZM C-19	10.20	9531821	20.543 ug/ml
10) TZM C-20	10.65	9632283	21.182 ug/ml
12) TZM C-22	11.68	9484344	21.054 ug/ml
13) TZM C-24	13.01	8975020	20.757 ug/ml
14) TZM C-26	14.51	8171275	20.404 ug/ml
15) TZM C-28	16.05	7456659	21.218 ug/ml
16) TZM C-30	17.55	6541762	20.676 ug/ml
17) TZM C-36	21.64	3973572	18.975 ug/ml
18) XH C19-C36	12.10	80336204	208.750 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

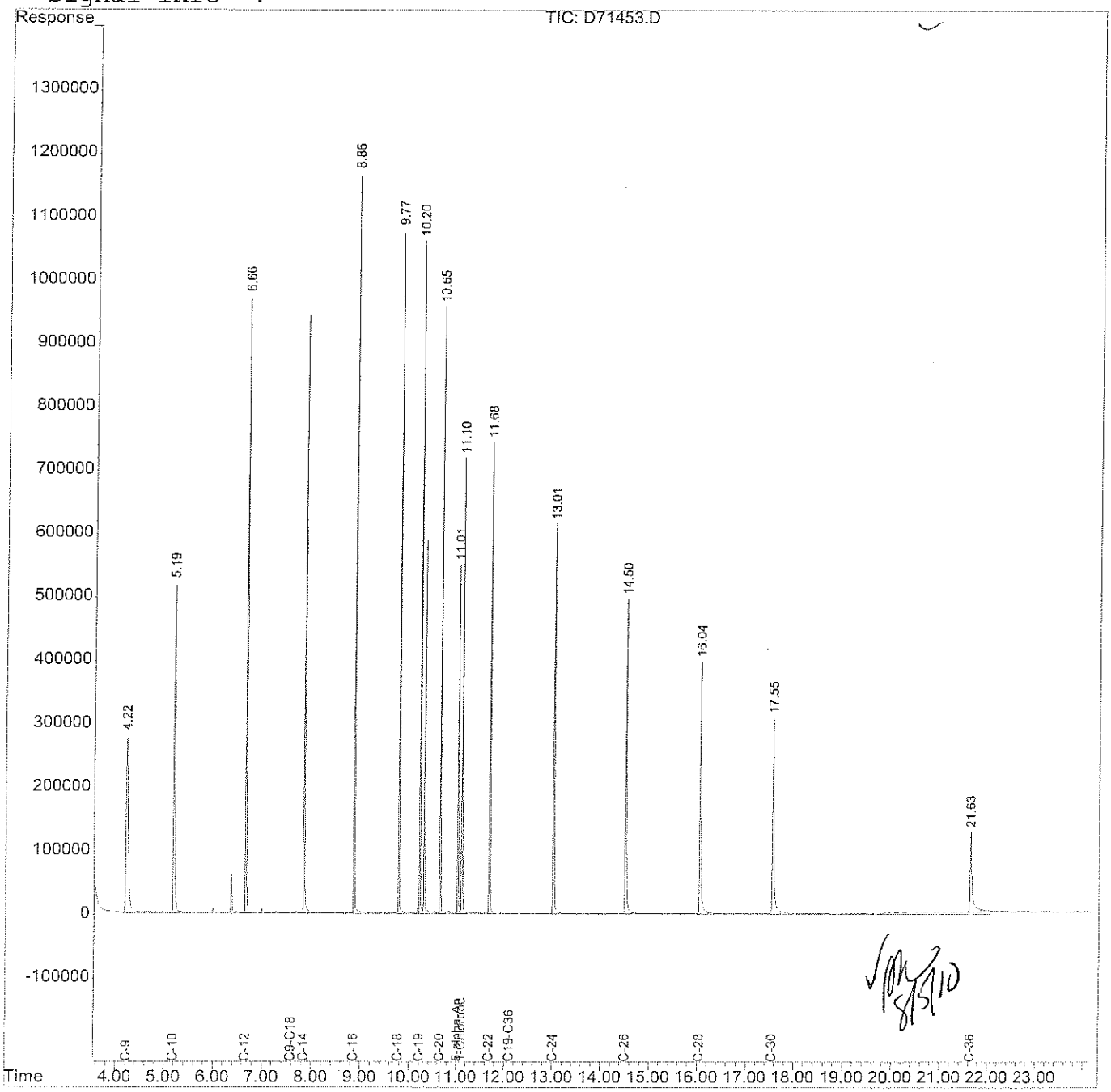
Data File : D:\HPCHEM\1\DATA\080410-D\D71453.D
Acq On : 5 Aug 2010 5:21 am
Sample : S9715 ALI 20 ICV
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 8
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

N080410

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Initial Calibration

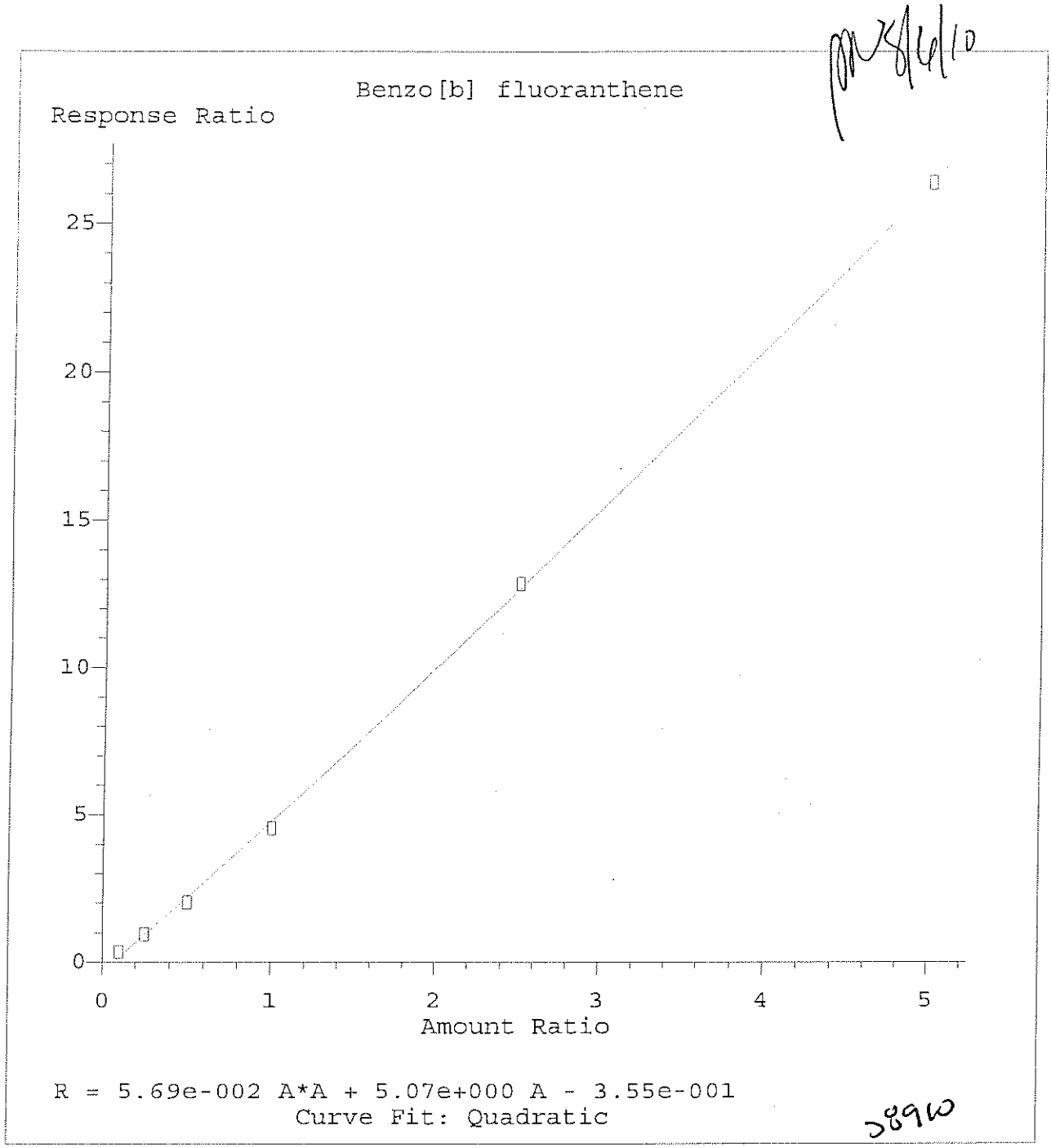
PM 8/6/10

Calibration Files
2 =D71454SI.D 5 =D71455SI.D 10 =D71456SI.D
20 =D71457SI.D 50 =D71458SI.D 100 =D71459SI.D

		Compound	2	5	10	20	50	100	Avg	%RSD
1)	I	5-alpha-Androstane	----------	----------	----------	ISTD	----------	----------		
2)	TM	Naphthalene	7.529	8.067	8.021	8.065	8.411	8.319	8.069	3.81
3)	TM	2-Methylnaphthalene	4.272	4.227	4.490	4.367	4.567	4.461	4.397	3.00
4)	TM	Acenaphthylene	7.175	7.196	7.568	7.725	7.847	8.054	7.594	4.67
5)	TM	Acenaphthene	3.988	4.266	4.200	4.253	4.341	4.381	4.238	3.27
6)	TM	Fluorene	4.766	4.754	4.726	5.019	5.094	5.183	4.924	4.04
7)	TM	Phenanthrene	5.790	6.350	6.654	6.612	7.164	7.247	6.636	8.12
8)	TM	Anthracene	6.252	6.723	6.969	6.962	7.342	7.181	6.905	5.55
9)	S	2-Fluorobiphenyl	4.962	5.070	5.126	5.346	5.555	5.684	5.290	5.43
10)	S	2-Bromonaphthalene	1.949	2.082	2.148	2.219	2.314	2.438	2.192	7.88
11)	S	o-terphenyl	2.922	2.941	3.027	3.071	3.178	3.450	3.098	6.32
12)	TM	Fluoranthene	6.548	6.616	6.619	6.843	7.312	7.503	6.907	5.86
13)	TM	Pyrene	6.654	6.794	6.950	7.180	7.455	7.533	7.094	5.02
14)	TM	Benzo[a]anthracene	4.500	4.828	5.075	5.629	6.236	6.423	5.449	14.28
15)	TM	Chrysene	5.455	5.333	5.504	5.870	6.131	6.226	5.753	6.53
16)	TM	Benzo[b] fluoranthe	3.542	3.820	4.066	4.549	5.141	5.276	4.399	16.15
17)	TM	Benzo[k] fluoranthe	4.512	4.443	4.728	5.002	5.179	5.489	4.892	8.30
18)	TM	Benzo[a] pyrene	3.547	3.725	4.157	4.501	4.785	5.149	4.311	14.35
19)	TM	Indeno [1,2,3-cd] p	2.140	2.497	3.013	3.516	3.793	3.712	3.112	21.89
20)	TM	Dibenz [a,h] anthra	2.720	3.042	3.475	3.725	3.843	3.976	3.463	14.18
21)	TM	Benzo(g,h,i) peryl	3.427	3.604	3.780	4.136	3.851	3.459	3.709	7.24
22)		c11-c22							0.000#	-1.00

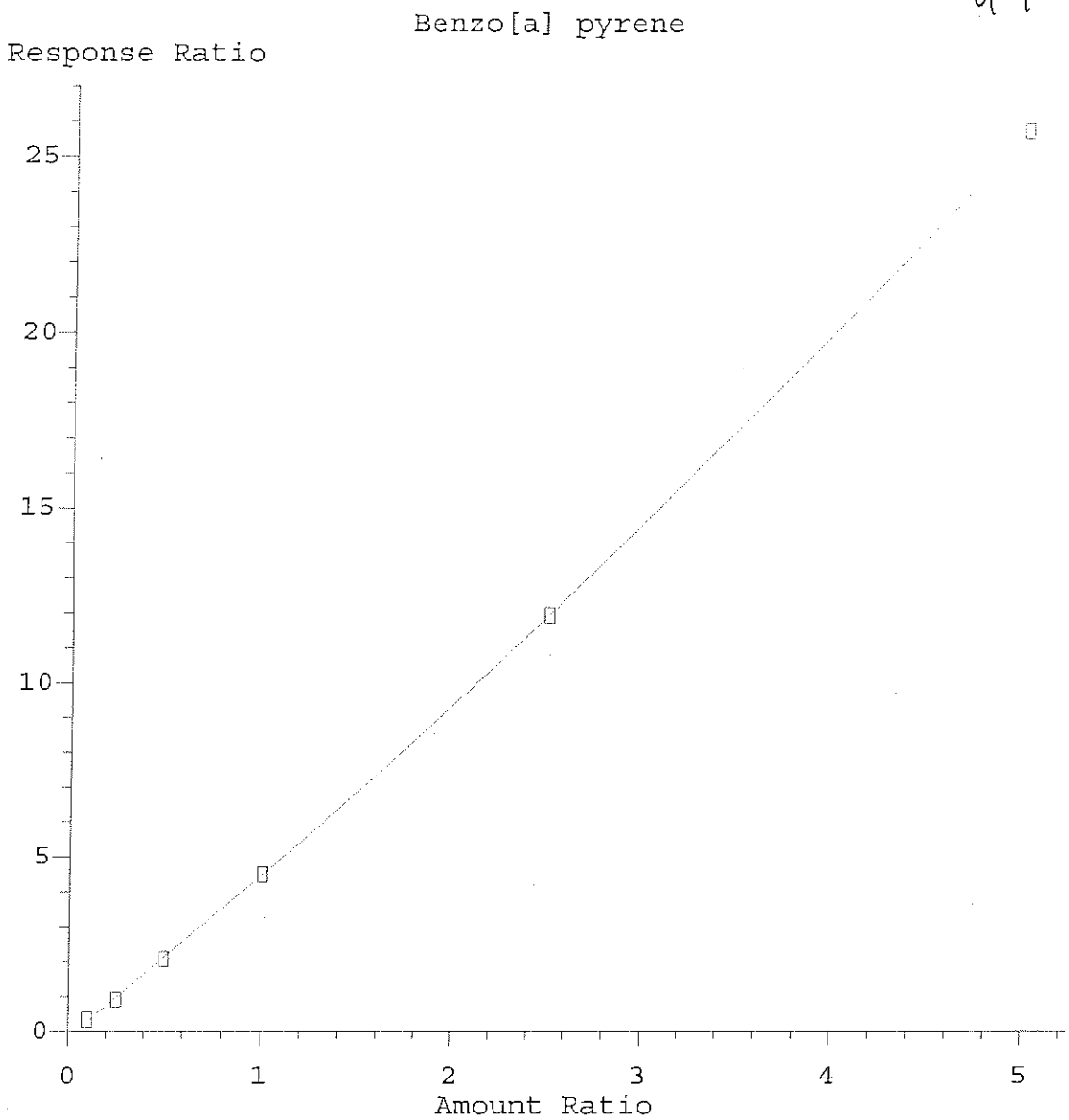
08910

(#) = Out of Range



Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10

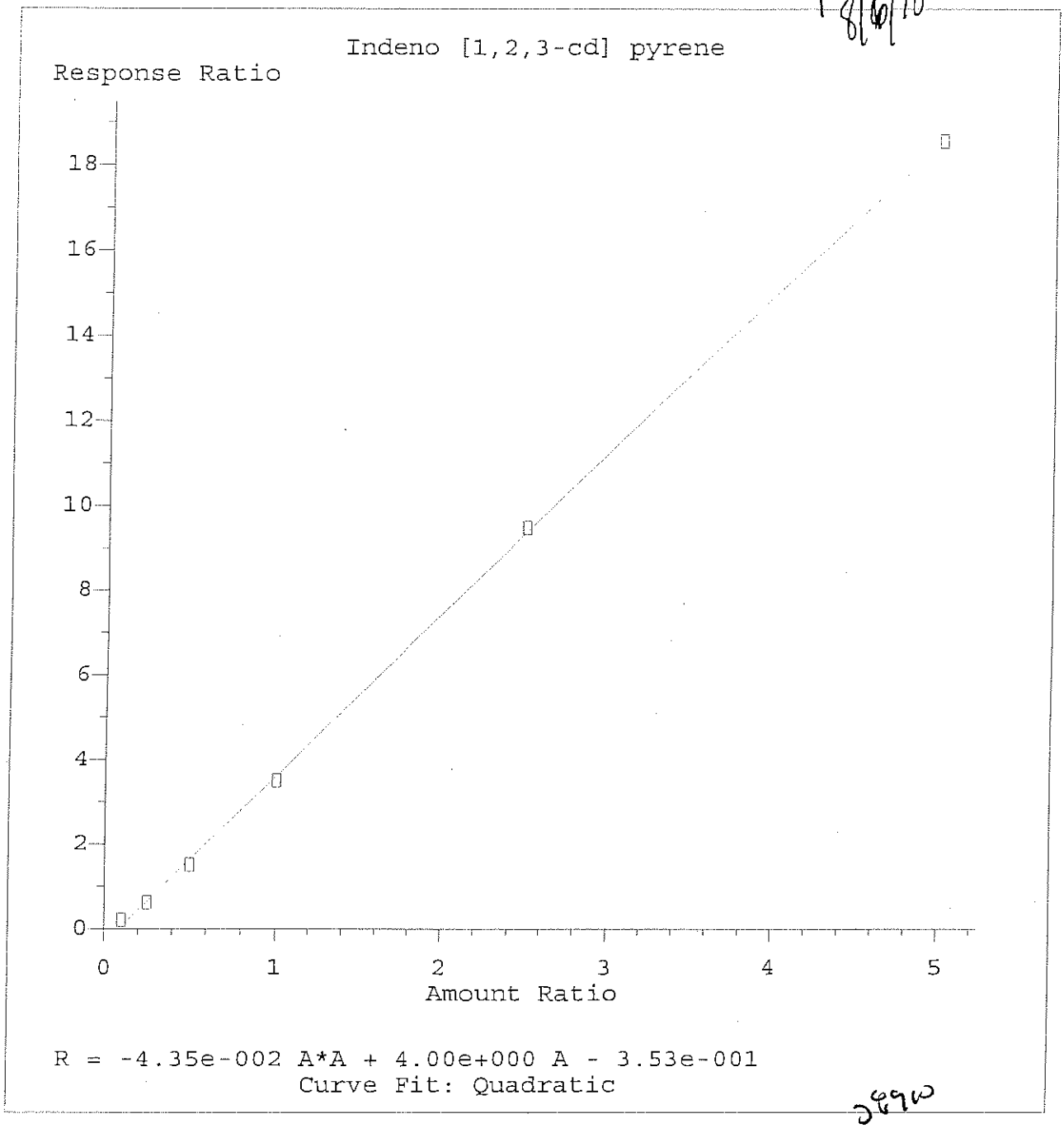


R = 1.34e-001 A*A + 4.51e+000 A - 1.63e-001
Curve Fit: Quadratic

08/10

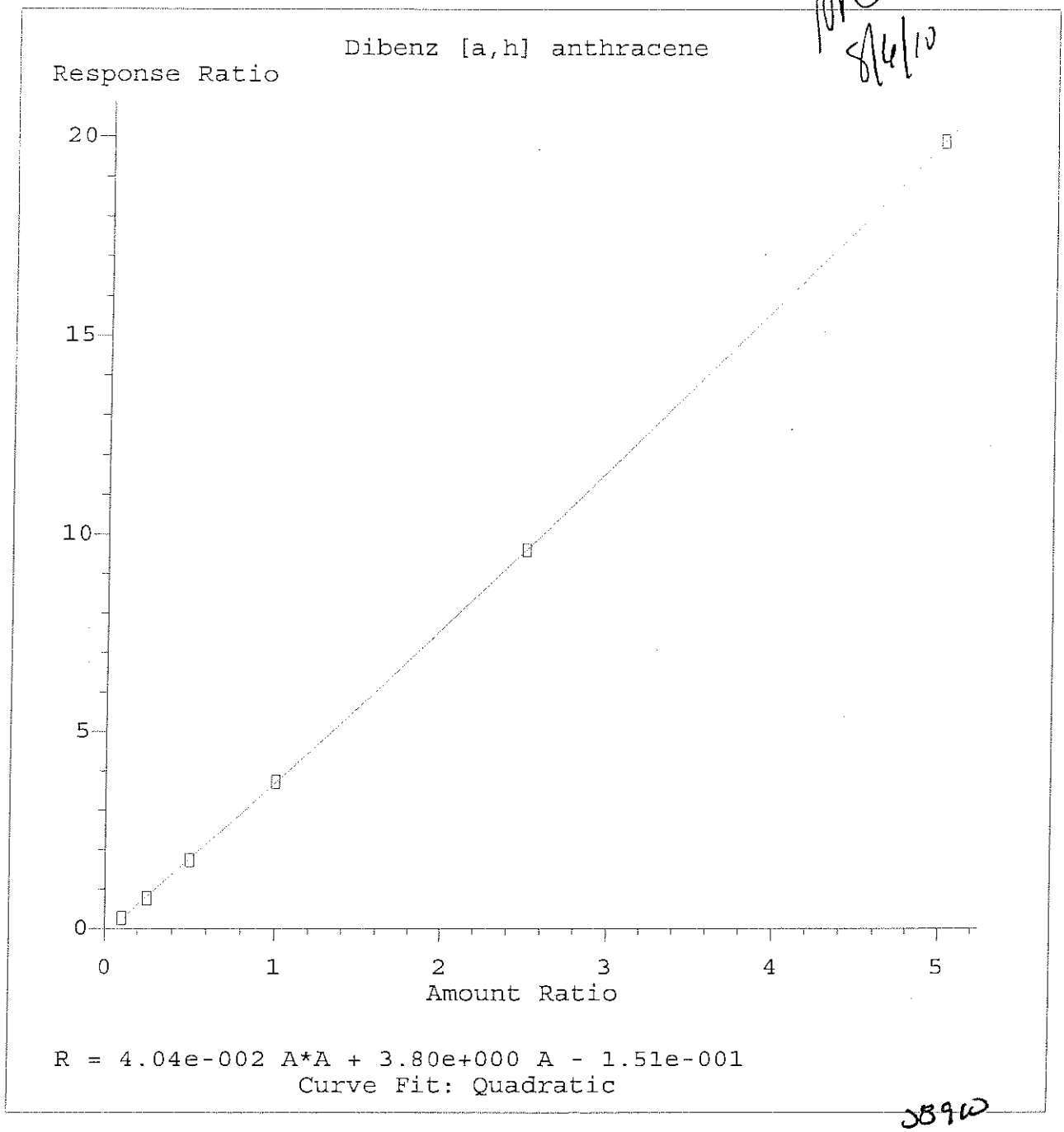
Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10



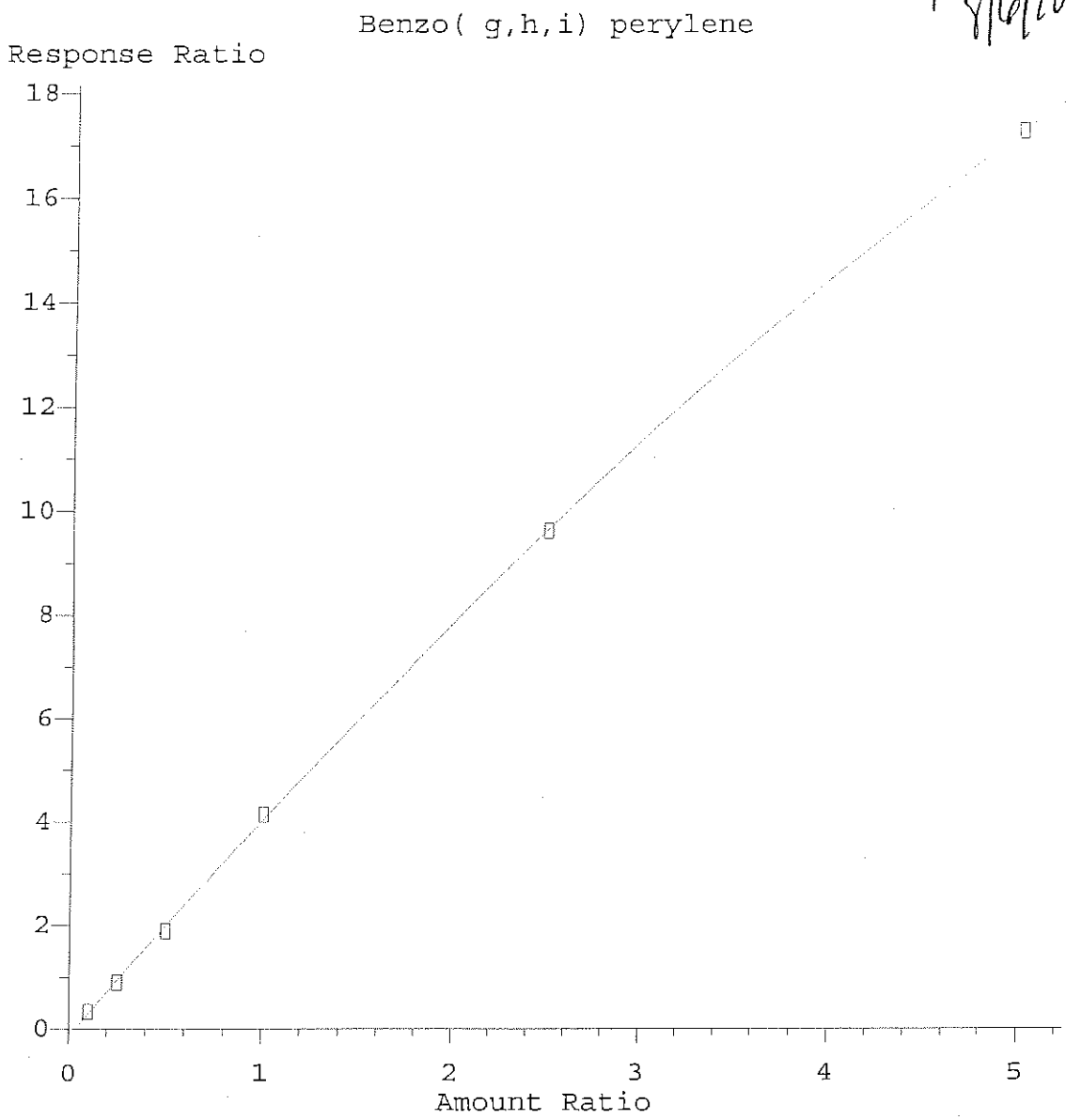
38990

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010



Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10



R = -1.73e-001 A*A + 4.35e+000 A - 1.44e-001
Curve Fit: Quadratic

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

D890

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D
Acq On : 5 Aug 2010 5:51 am
Sample : S9706 ARO 2
Misc :
Integration Params: RTEINT.P
Quant Time: Aug 5 11:11 2010

Vial: 9
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP080510
Q

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.01	95	39531 ✓	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.77	172	11768	1.13 ug/ml	0.01
Spiked Amount 20.000	Range 40 - 140		Recovery	= 5.65%#	
10) 2-Bromonaphthalene	8.45	206	4623	1.07 ug/ml	0.01
Spiked Amount 20.000	Range 40 - 140		Recovery	= 5.35%#	
11) o-terphenyl	10.30	230	4621	0.75 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 3.75%#	

Target Compounds					Qvalue
2) Naphthalene	6.72	128	29763	1.87 ug/ml	98
3) 2-Methylnaphthalene	7.41	141	16889	1.95 ug/ml	96
4) Acenaphthylene	8.31	152	28363	1.89 ug/ml	99
5) Acenaphthene	8.48	154	15766	1.88 ug/ml	98
6) Fluorene	8.99	166	18839	1.94 ug/ml	99
7) Phenanthrene	9.95	178	22887	1.74 ug/ml	99
8) Anthracene	10.00	178	24715	1.82 ug/ml	99
12) Fluoranthene	11.31	202	25886	1.90 ug/ml#	89
13) Pyrene	11.64	202	26304	1.88 ug/ml#	87
14) Benzo[a]anthracene	13.86	228	17789	1.65 ug/ml	99
15) Chrysene	13.93	228	21564	1.90 ug/ml	99
16) Benzo[b] fluoranthene	✓16.20	252	14002	3.17 ug/ml#	88
17) Benzo[k] fluoranthene	✓16.26	252	17836	1.87 ug/ml#	90
18) Benzo[a] pyrene	16.89	252	14022	1.66 ug/ml#	89
19) Indeno [1,2,3-cd] pyrene	19.21	276	8461m	1.74 ug/ml	
20) Dibenz [a,h] anthracene	19.26	278	10751	1.58 ug/ml#	81
21) Benzo(g,h,i) perylene	19.70	276	13548	1.86 ug/ml#	73

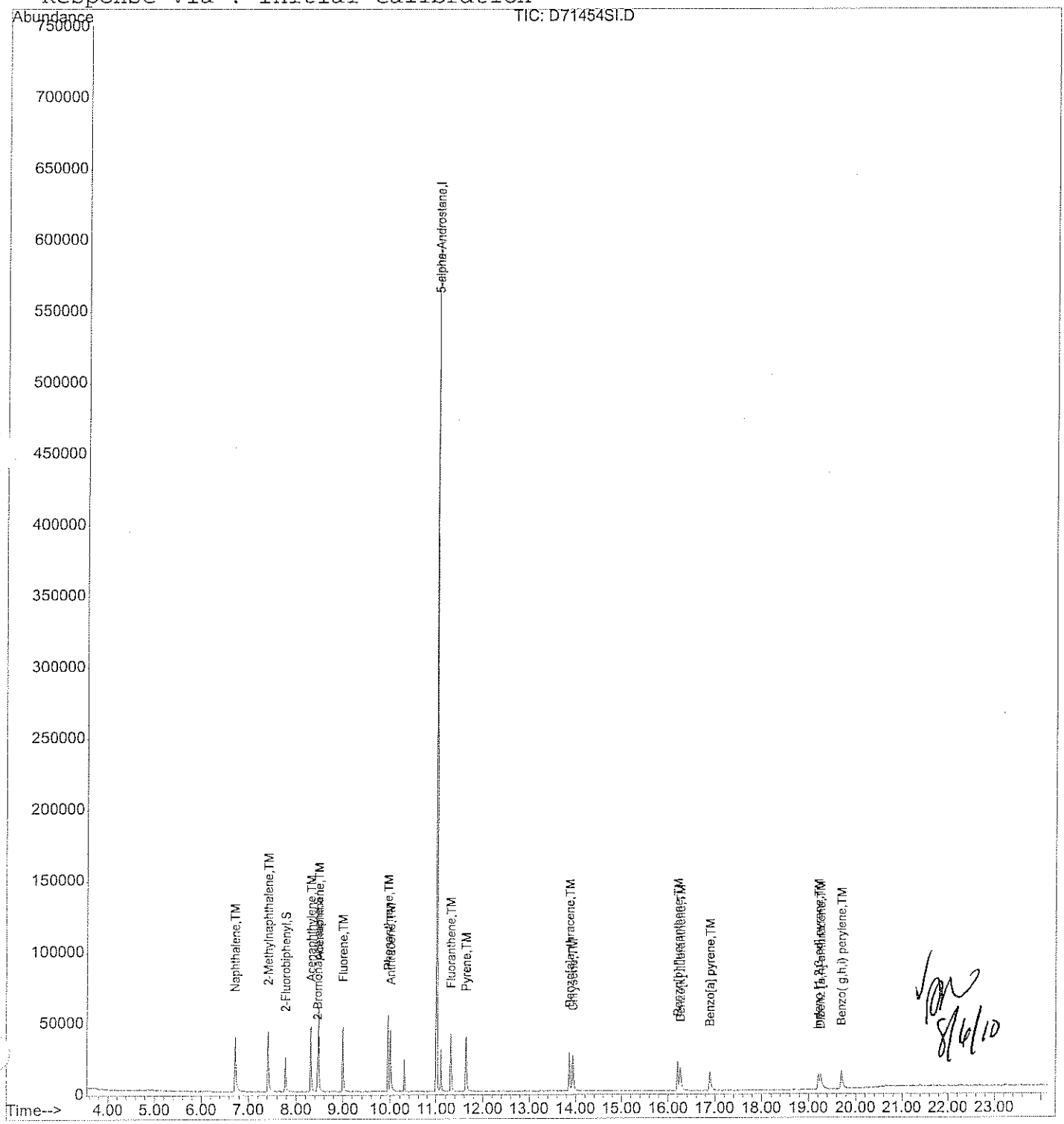
JAN 8/6/10

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:11 2010 Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010 NP080510
Response via : Initial Calibration



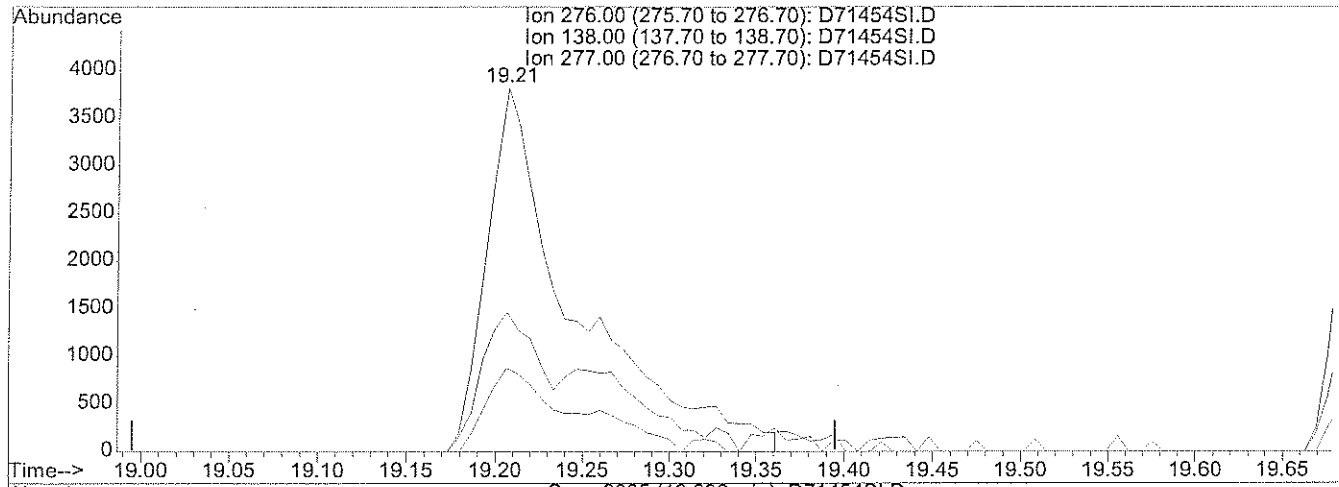
8/6/10

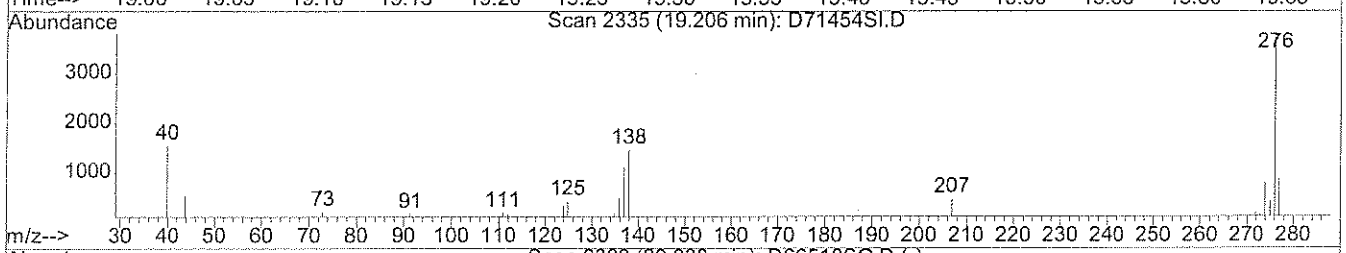
Quantitation Report (Qedit)

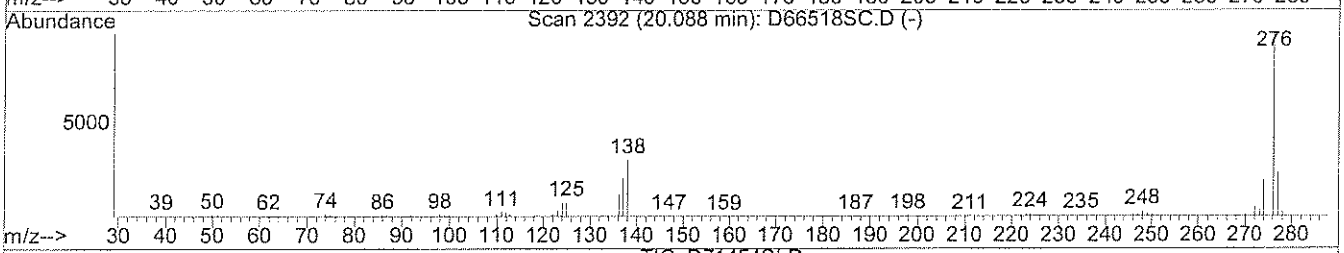
Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:11 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Multiple Level Calibration

NP 8/5/10
Cool







TIC: D71454SI.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.21min 2.53ug/ml

response 13465

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	27.17#
277.00	23.80	23.30
0.00	0.00	0.00

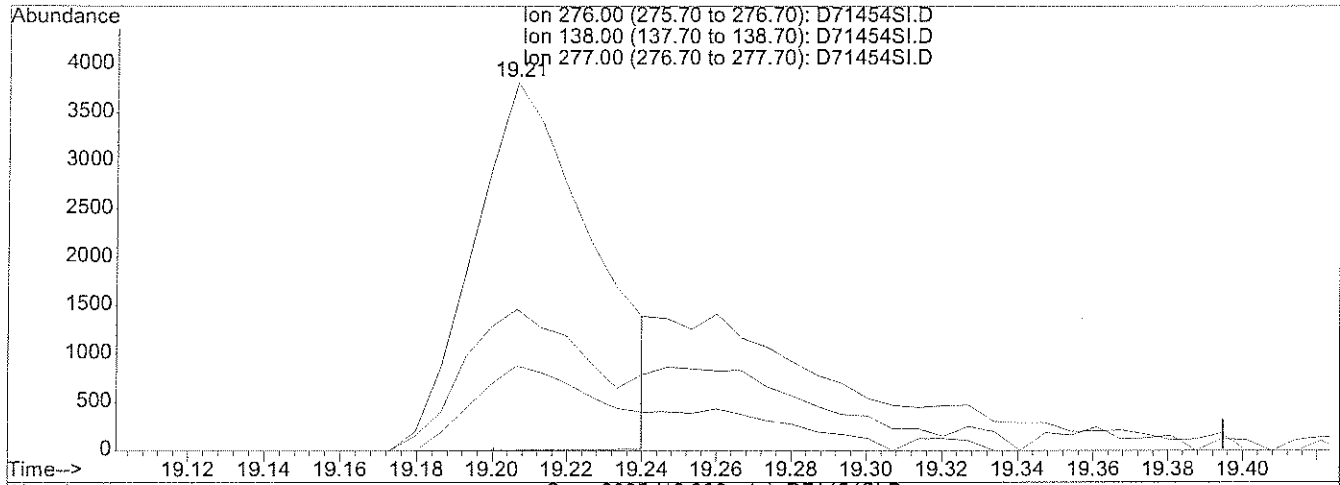
Jon 8/6/10

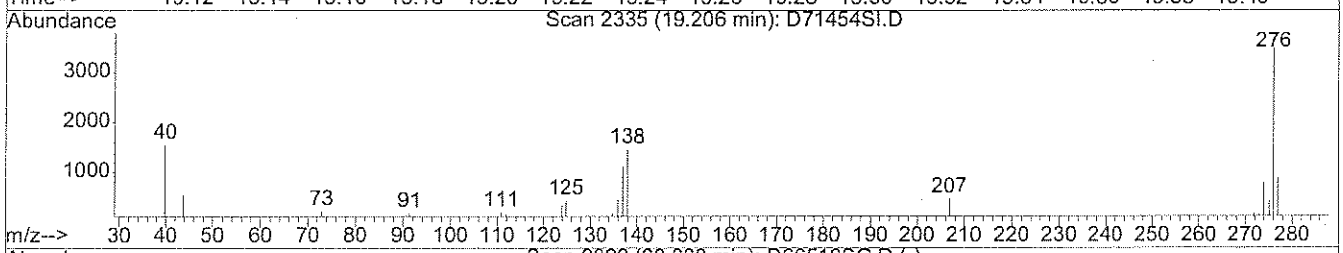
D71454SI.D ARM80410.M Thu Aug 05 11:11:14 2010

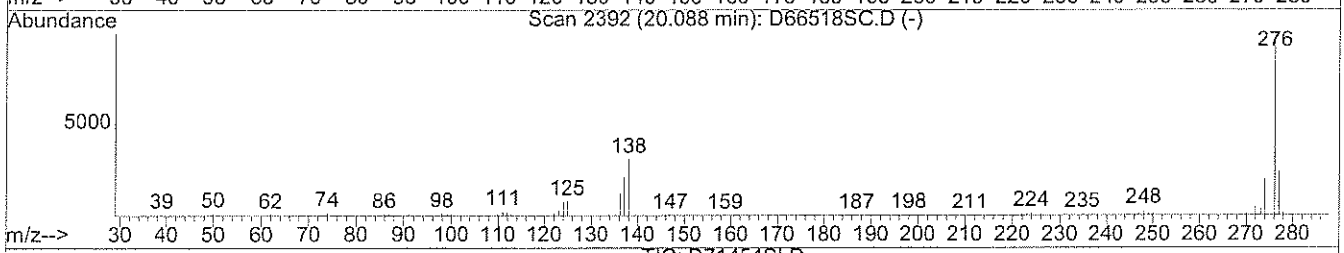
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:11 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010 NP080510
Response via : Multiple Level Calibration







TIC: D71454SI.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.21min 1.74ug/ml m

response 8461

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	43.23#
277.00	23.80	37.08#
0.00	0.00	0.00

8/6/10

D71454SI.D ARM80410.M Thu Aug 05 11:11:47 2010

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D Vial: 10
Acq On : 5 Aug 2010 6:22 am Operator: AR/NP
Sample : S9707 ARO 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
J Integration Params: RTEINT.P
Quant Time: Aug 6 0:53 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

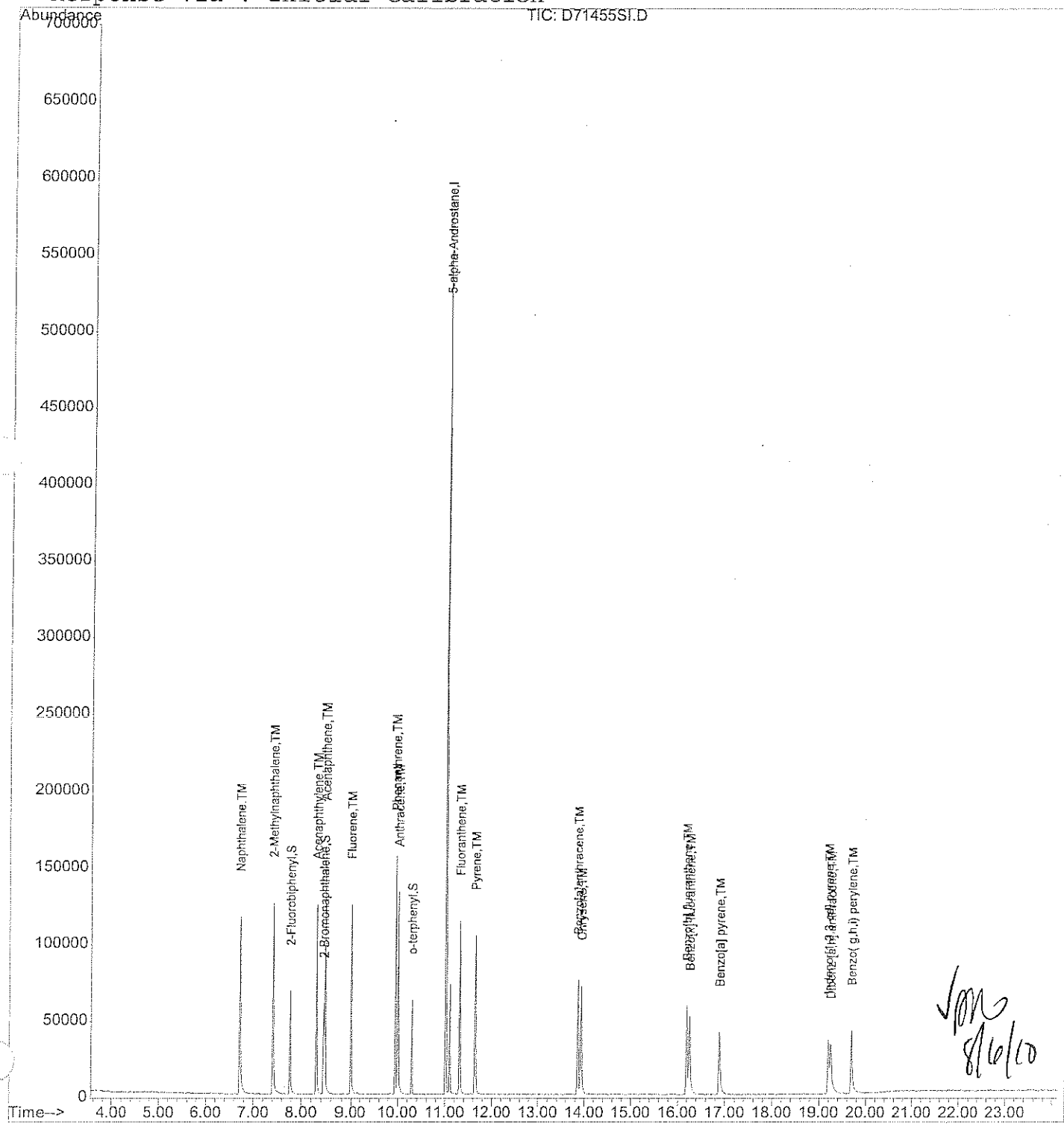
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	38539	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.77	172	29309	2.88	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 14.40%#			
10) 2-Bromonaphthalene	8.45	206	12037	2.85	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 14.25%#			
11) o-terphenyl	10.29	230	11333	1.90	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 9.50%#			
Target Compounds						Qvalue
2) Naphthalene	6.72	128	77719	5.02	ug/ml	100
3) 2-Methylnaphthalene	7.41	141	40724	4.81	ug/ml	95
4) Acenaphthylene	8.31	152	69331	4.74	ug/ml	99
5) Acenaphthene	8.47	154	41099	5.04	ug/ml	97
6) Fluorene	8.99	166	45802	4.83	ug/ml	99
7) Phenanthrene	9.94	178	61180	4.78	ug/ml	99
8) Anthracene	10.00	178	64779	4.89	ug/ml	99
12) Fluoranthene	11.31	202	63748	4.79	ug/ml#	90
13) Pyrene	11.63	202	65455	4.79	ug/ml#	88
14) Benzo[a]anthracene	13.85	228	46518	4.43	ug/ml	99
15) Chrysene	13.93	228	51386	4.65	ug/ml	99
16) Benzo[b] fluoranthene	16.19	252	36802	5.41	ug/ml#	91
17) Benzo[k] fluoranthene	16.25	252	42806	4.62	ug/ml#	89
18) Benzo[a] pyrene	16.87	252	35885	4.34	ug/ml#	90
19) Indeno [1,2,3-cd] pyrene	19.20	276	24056m	4.29	ug/ml	
20) Dibenz [a,h] anthracene	19.25	278	29306	4.43	ug/ml#	83
21) Benzo(g,h,i) perylene	19.69	276	34727	4.90	ug/ml#	74

8/6/10

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D Vial: 10
Acq On : 5 Aug 2010 6:22 am Operator: AR/NP
Sample : S9707 ARO 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 0:53 2010 Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Initial Calibration



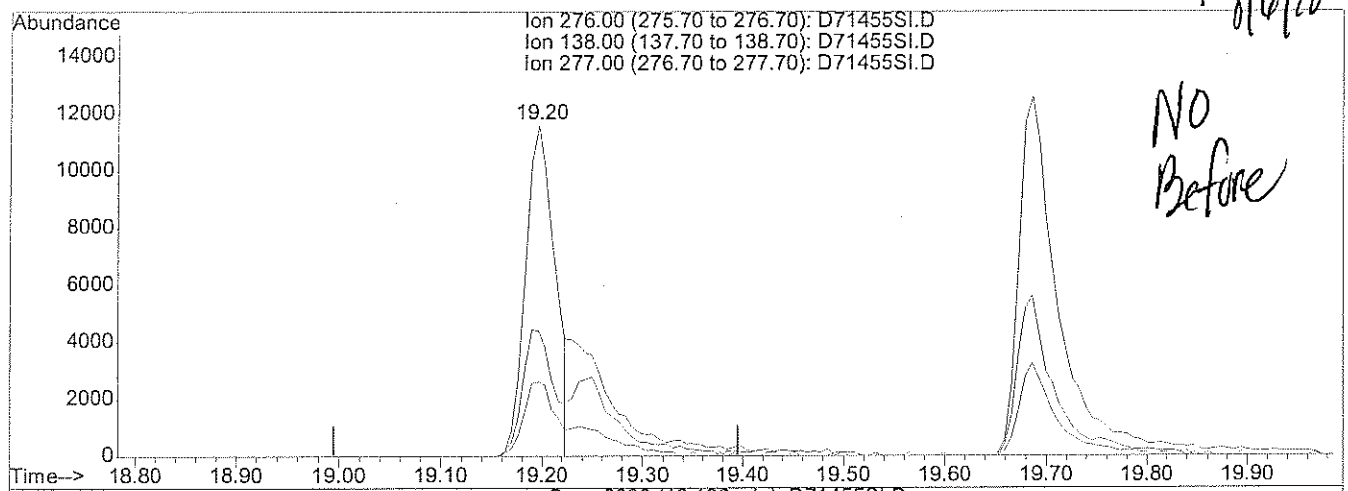
JM 8/6/10

Quantitation Report (Qedit)

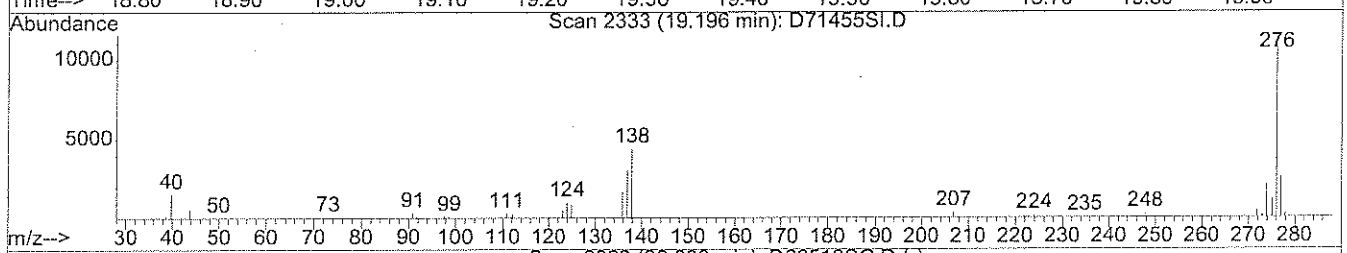
Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D
Vial: 10
Acq On : 5 Aug 2010 6:22 am
Operator: AR/NP
Sample : S9707 ARO 5
Inst : GC/MS Ins
Misc :
Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 0:53 2010
Quant Results File: temp.res

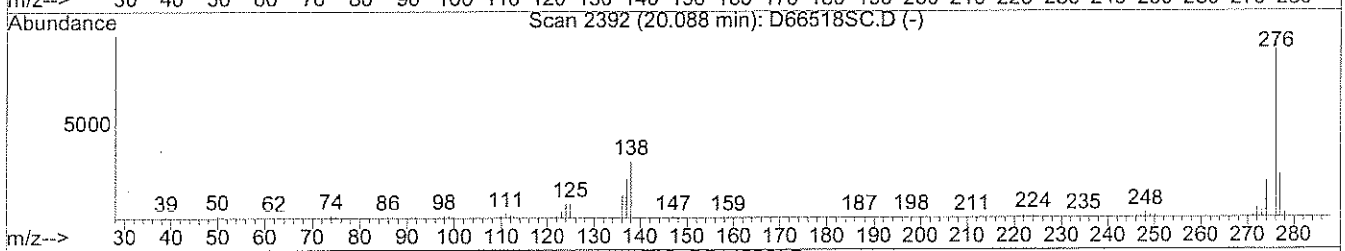
Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Multiple Level Calibration

NM 8/6/10



NO Before





TIC: D71455SI.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.20min 4.29ug/ml m

response 24056

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	40.69#
277.00	23.80	38.34#
0.00	0.00	0.00

38910

D71455SI.D ARM80410.M Fri Aug 06 01:43:42 2010

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D
Acq On : 5 Aug 2010 6:52 am
Sample : S9708 ARO 10
Misc :
Integration Params: RTEINT.P
Quant Time: Aug 5 11:15 2010

Vial: 11
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N080510

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	37361	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.76	172	57455	5.83 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 29.15%#	
10) 2-Bromonaphthalene	8.44	206	24071	5.88 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 29.40%#	
11) o-terphenyl	10.29	230	22618	3.91 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 19.55%#	

Target Compounds					Qvalue
2) Naphthalene	6.71	128	149841	9.99 ug/ml	100
3) 2-Methylnaphthalene	7.40	141	83872	10.23 ug/ml	100
4) Acenaphthylene	8.30	152	141367	9.97 ug/ml	99
5) Acenaphthene	8.48	154	78456	9.92 ug/ml	99
6) Fluorene	8.99	166	88293	9.61 ug/ml	99
7) Phenanthrene	9.94	178	124294	10.03 ug/ml	99
8) Anthracene	9.99	178	130189	10.15 ug/ml	100
12) Fluoranthene	11.31	202	123651	9.59 ug/ml#	90
13) Pyrene	11.63	202	129826	9.81 ug/ml#	88
14) Benzo[a]anthracene	13.85	228	94806	9.31 ug/ml	100
15) Chrysene	13.92	228	102812	9.60 ug/ml	99
16) Benzo[b] fluoranthene	16.19	252	75950	9.43 ug/ml#	92
17) Benzo[k] fluoranthene	16.25	252	88319	9.82 ug/ml#	91
18) Benzo[a] pyrene	16.88	252	77653	9.70 ug/ml#	91
19) Indeno [1,2,3-cd] pyrene	19.19	276	56292m	9.59 ug/ml	
20) Dibenz [a,h] anthracene	19.24	278	64914	10.12 ug/ml#	83
21) Benzo(g,h,i) perylene	19.68	276	70614	10.27 ug/ml#	74

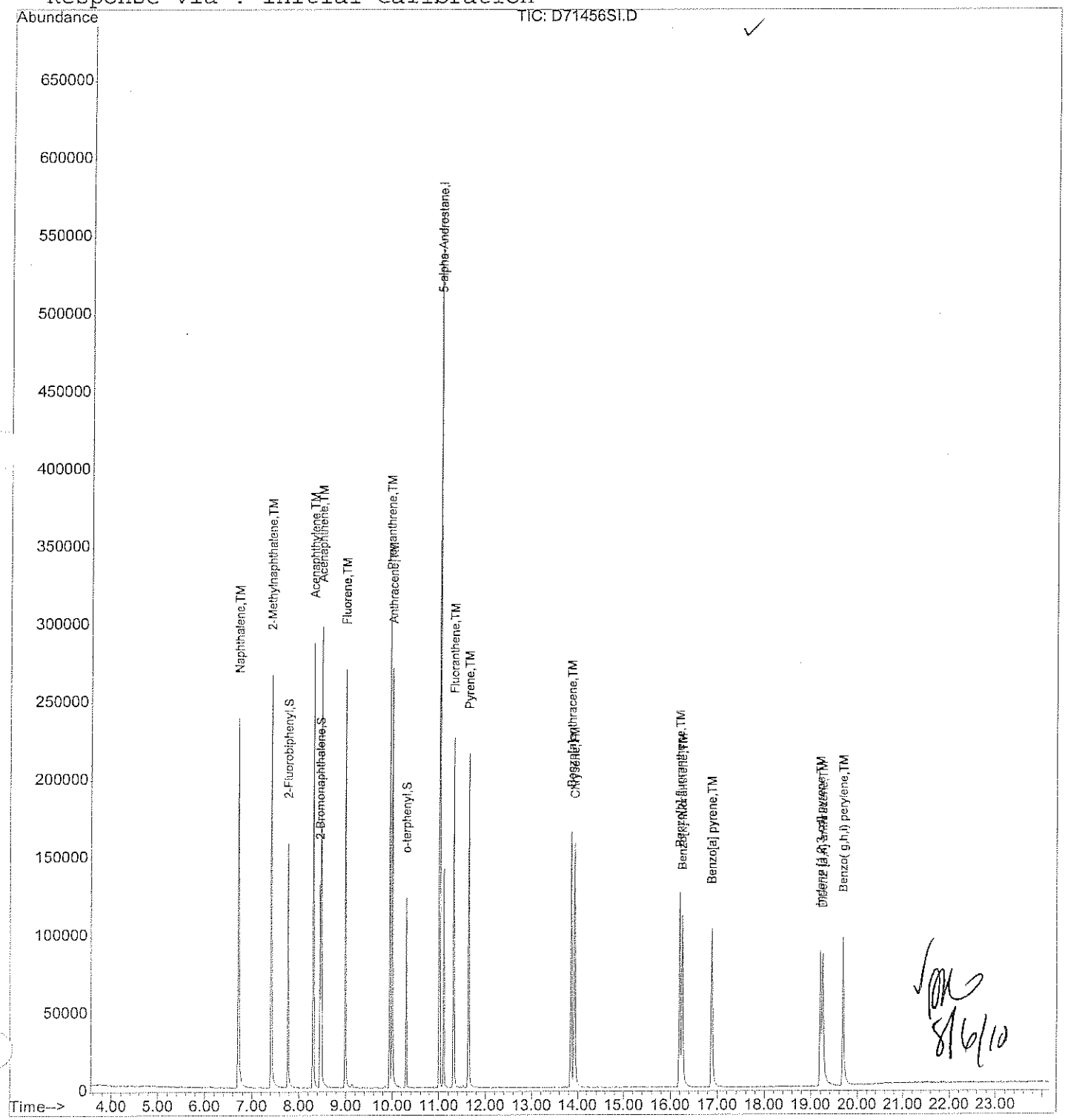
8/6/10

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D Vial: 11
Acq On : 5 Aug 2010 6:52 am Operator: AR/NP
Sample : S9708 ARO 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:15 2010 Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration

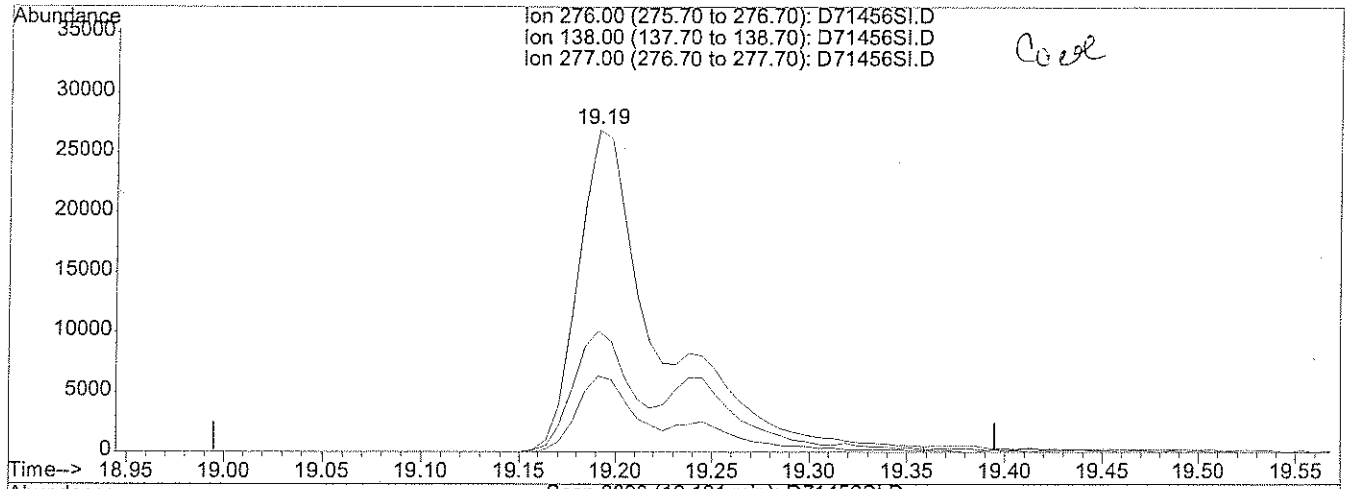


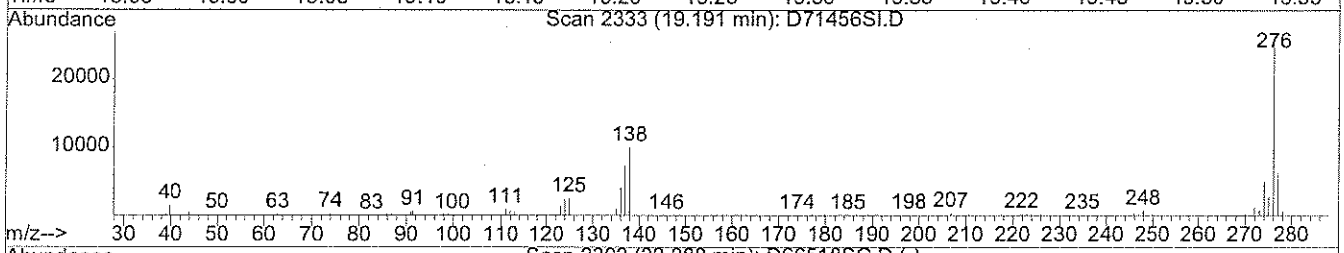
8/6/10

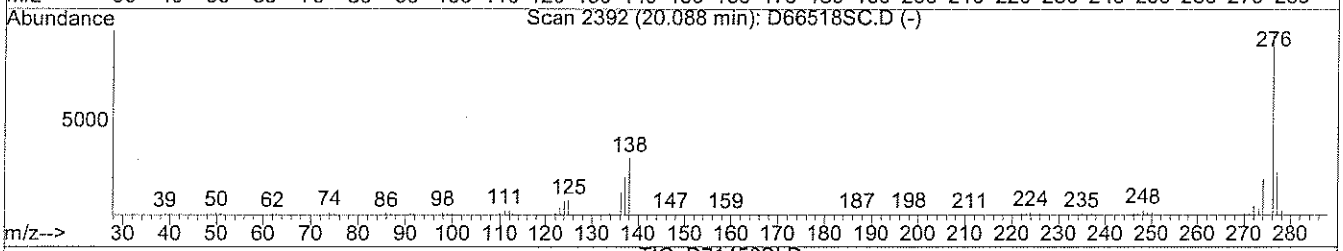
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D Vial: 11
Acq On : 5 Aug 2010 6:52 am Operator: AR/NP
Sample : S9708 ARO 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:12 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010 M080410
Response via : Multiple Level Calibration







TIC: D71456SI.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.19min 13.20ug/ml

response 79644

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	25.68#
277.00	23.80	16.44#
0.00	0.00	0.00

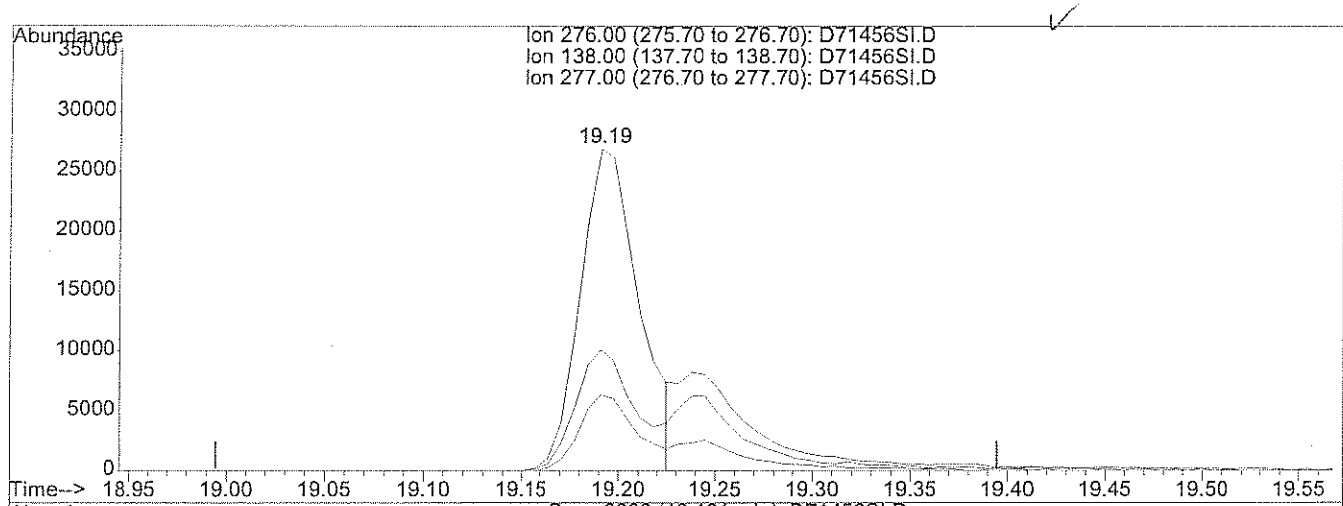
8/6/10

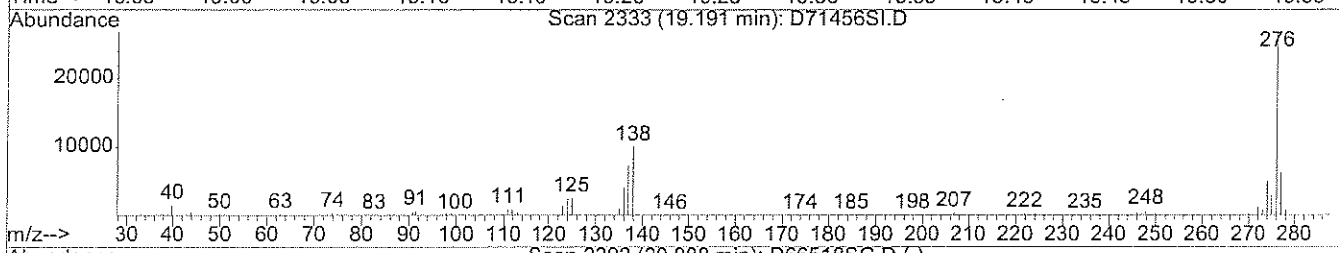
D71456SI.D ARM80410.M Thu Aug 05 11:15:26 2010

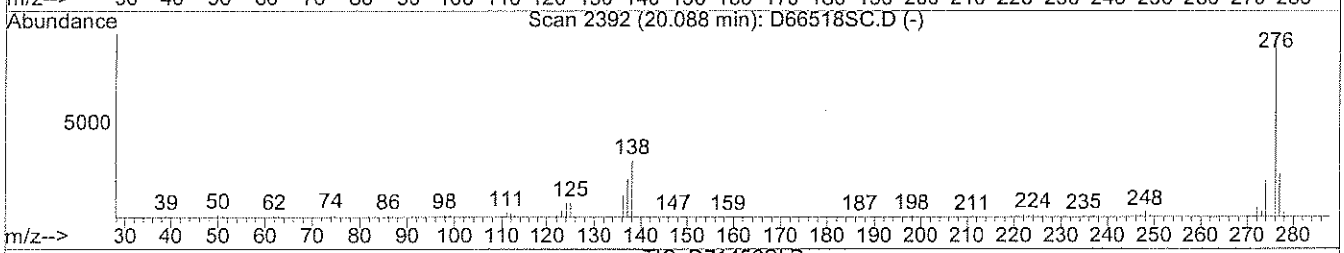
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D Vial: 11
Acq On : 5 Aug 2010 6:52 am Operator: AR/NP
Sample : S9708 ARO 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:15 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010 V1080510
Response via : Multiple Level Calibration







TIC: D71456SI.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.19min 9.59ug/ml m

response 56292

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	36.33#
277.00	23.80	23.25
0.00	0.00	0.00

8/6/10

D71456SI.D ARM80410.M Thu Aug 05 11:15:33 2010

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D Vial: 12
Acq On : 5 Aug 2010 7:22 am Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Aug 5 11:12 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010 ARM80510
Response via : Initial Calibration
DataAcq Meth : EPHJ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	39978 ✓	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.76	172	128231	12.15 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 60.75%		
10) 2-Bromonaphthalene	8.44	206	53235	12.16 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 60.80%		
11) o-terphenyl	10.29	230	49103	7.93 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 39.65%#		
Target Compounds					Qvalue
2) Naphthalene	6.71	128	322407	20.08 ug/ml	100
3) 2-Methylnaphthalene	7.41	141	174567	19.89 ug/ml	98
4) Acenaphthylene	8.30	152	308847	20.35 ug/ml	100
5) Acenaphthene	8.47	154	170018	20.08 ug/ml	100
6) Fluorene	8.99	166	200664	20.40 ug/ml	99
7) Phenanthrene	9.94	178	264344	19.93 ug/ml	99
8) Anthracene	10.00	178	278317	20.27 ug/ml	98
12) Fluoranthene	11.30	202	273575	19.83 ug/ml#	90
13) Pyrene	11.63	202	287052	20.26 ug/ml#	89
14) Benzo[a]anthracene	13.85	228	225029	20.66 ug/ml	99
15) Chrysene	13.93	228	234687	20.49 ug/ml	100
16) Benzo[b] fluoranthene ✓	16.20	252	181878	18.83 ug/ml#	92
17) Benzo[k] fluoranthene	16.25	252	199969	20.79 ug/ml#	92
18) Benzo[a] pyrene	16.88	252	179937	21.00 ug/ml#	91
19) Indeno [1,2,3-cd] pyrene	19.20	276	140562	20.86 ug/ml#	74
20) Dibenz [a,h] anthracene	19.25	278	148899	21.70 ug/ml#	84
21) Benzo(g,h,i) perylene	19.69	276	165343	22.47 ug/ml#	75

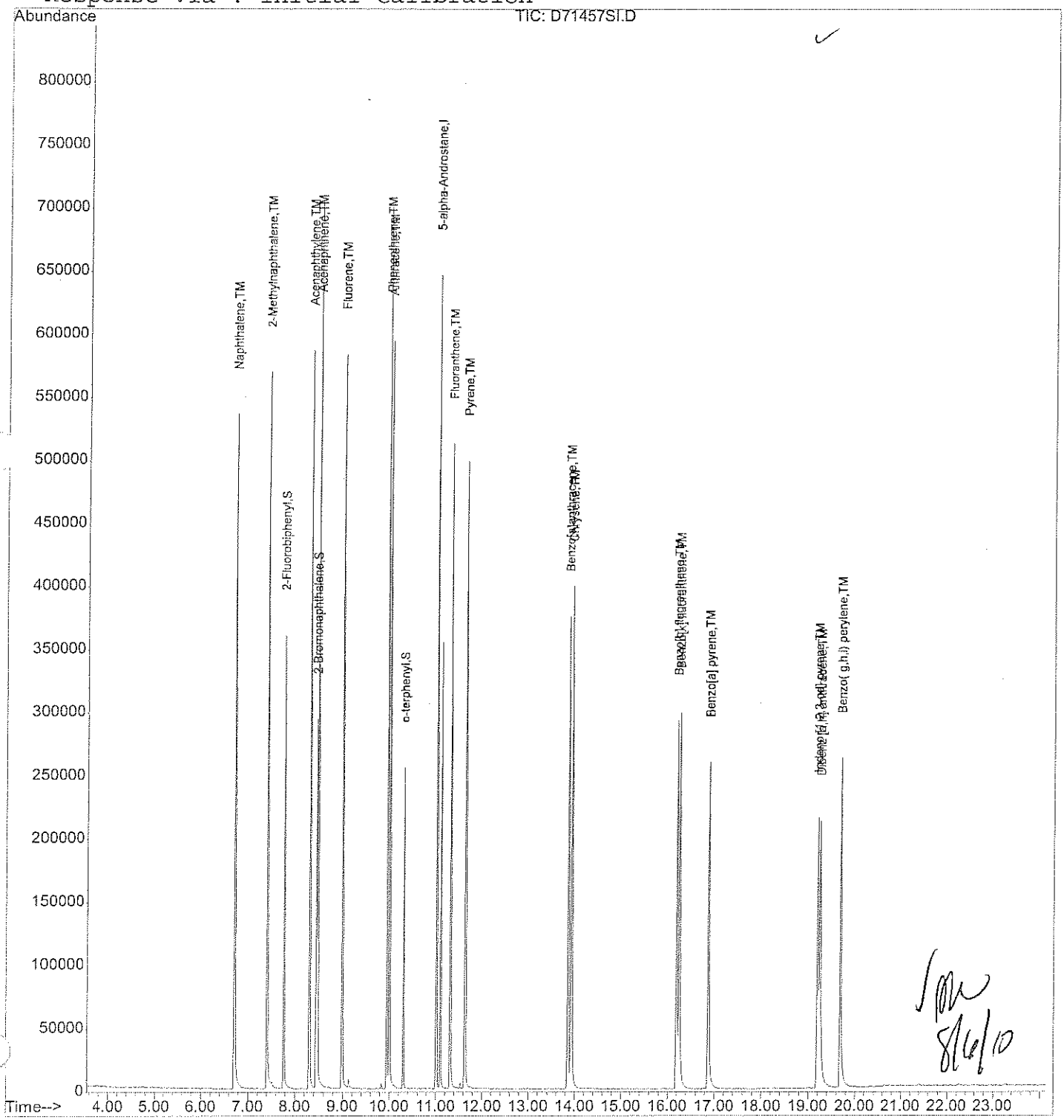
8/6/10

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D Vial: 12
Acq On : 5 Aug 2010 7:22 am Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:12 2010 Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010 Nro80510
Response via : Initial Calibration



8/6/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71458SI.D
Acq On : 5 Aug 2010 7:53 am
Sample : S9710 ARO 50
Misc :
Integration Params: RTEINT.P
Quant Time: Aug 5 11:12 2010

Vial: 13
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Quant Results File: ARM80410.RE

NM080510

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	35122	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.76	172	292664	31.57 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 157.85%#		
10) 2-Bromonaphthalene	8.44	206	121914	31.69 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 158.45%#		
11) o-terphenyl	10.30	230	111606	20.51 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 102.55%		
Target Compounds					Qvalue
2) Naphthalene	6.71	128	738548	52.36 ug/ml	100
3) 2-Methylnaphthalene	7.41	141	401048	52.02 ug/ml	98
4) Acenaphthylene	8.30	152	688979	51.66 ug/ml	99
5) Acenaphthene	8.47	154	381189	51.25 ug/ml	98
6) Fluorene	8.99	166	447248	51.76 ug/ml	100
7) Phenanthrene	9.94	178	629012	53.98 ug/ml	99
8) Anthracene	10.00	178	644653	53.45 ug/ml	99
12) Fluoranthene	11.31	202	642044	52.96 ug/ml#	92
13) Pyrene	11.64	202	654630	52.60 ug/ml#	91
14) Benzo[a]anthracene	13.86	228	547594	57.23 ug/ml	99
15) Chrysene	13.94	228	538298	53.49 ug/ml	100
16) Benzo[b] fluoranthene	16.21	252	451386	49.82 ug/ml#	92
17) Benzo[k] fluoranthene	16.27	252	454773	53.81 ug/ml#	92
18) Benzo[a] pyrene	16.89	252	420154	55.82 ug/ml#	92
19) Indeno [1,2,3-cd] pyrene	19.21	276	333059	49.73 ug/ml#	75
20) Dibenz [a,h] anthracene	19.26	278	337426	55.97 ug/ml#	85
21) Benzo(g,h,i) perylene	19.70	276	338108	52.30 ug/ml#	76

8/6/10

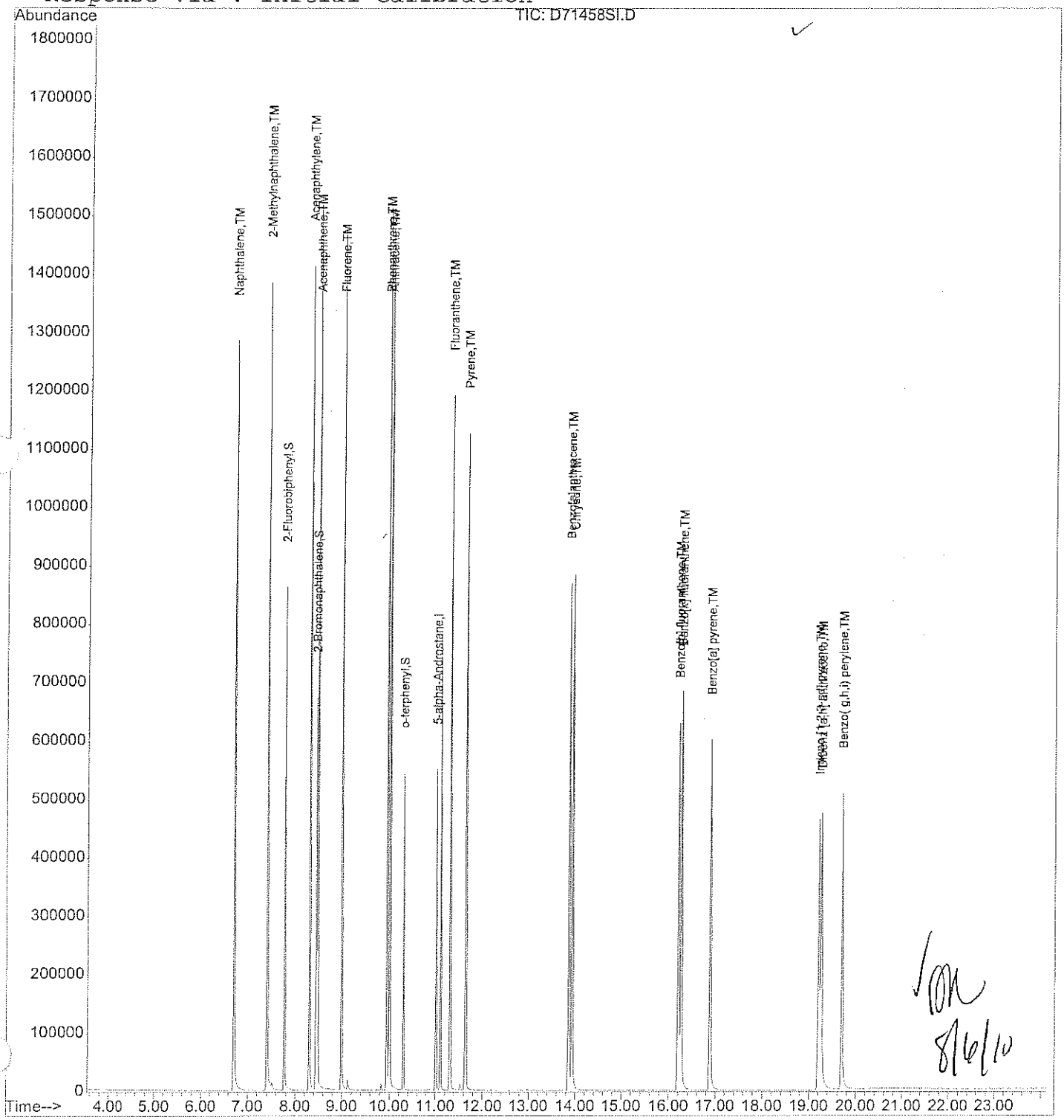
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\080410-D\D71458SI.D Vial: 13
Acq On : 5 Aug 2010 7:53 am Operator: AR/NP
Sample : S9710 ARO 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:12 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration

NP080510



JON 8/6/10

D71458SI.D ARM80410.M Thu Aug 05 11:12:35 2010 Page 2

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D
Acq On : 5 Aug 2010 8:23 am
Sample : S9711 ARO 100
Misc :
3 Integration Params: RTEINT.P
Quant Time: Aug 6 1:45 2010

Vial: 14
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

8/6/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	33554	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.76	172	572169	64.61	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 323.05%#			
10) 2-Bromonaphthalene	8.44	206	245417	66.78	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 333.90%#			
11) o-terphenyl	10.29	230	231550	44.55	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 222.75%#			
Target Compounds						Qvalue
2) Naphthalene	6.71	128	1395735	103.59	ug/ml	100
3) 2-Methylnaphthalene	7.41	141	748466	101.63	ug/ml	96
4) Acenaphthylene	8.31	152	1351225	106.06	ug/ml	99
5) Acenaphthene	8.48	154	734944	103.43	ug/ml	99
6) Fluorene	8.99	166	869543	105.33	ug/ml	100
7) Phenanthrene	9.95	178	1215885	109.21	ug/ml	100
8) Anthracene	10.00	178	1204828	104.55	ug/ml	99
12) Fluoranthene	11.32	202	1258695	108.68	ug/ml#	93
13) Pyrene	11.65	202	1263795	106.29	ug/ml#	92
14) Benzo[a]anthracene	13.88	228	1077645	117.89	ug/ml	99
15) Chrysene	13.96	228	1044462	108.63	ug/ml	99
16) Benzo[b] fluoranthene ✓	16.23	252	885234	100.34	ug/ml#	94
17) Benzo[k] fluoranthene	16.29	252	920948m	114.05	ug/ml	
18) Benzo[a] pyrene	16.92	252	863829	120.13	ug/ml#	93
19) Indeno [1,2,3-cd] pyrene	19.23	276	622812m	85.69	ug/ml	
20) Dibenz [a,h] anthracene	19.29	278	667114	115.83	ug/ml#	87
21) Benzo(g,h,i) perylene	19.72	276	580281	93.96	ug/ml#	79

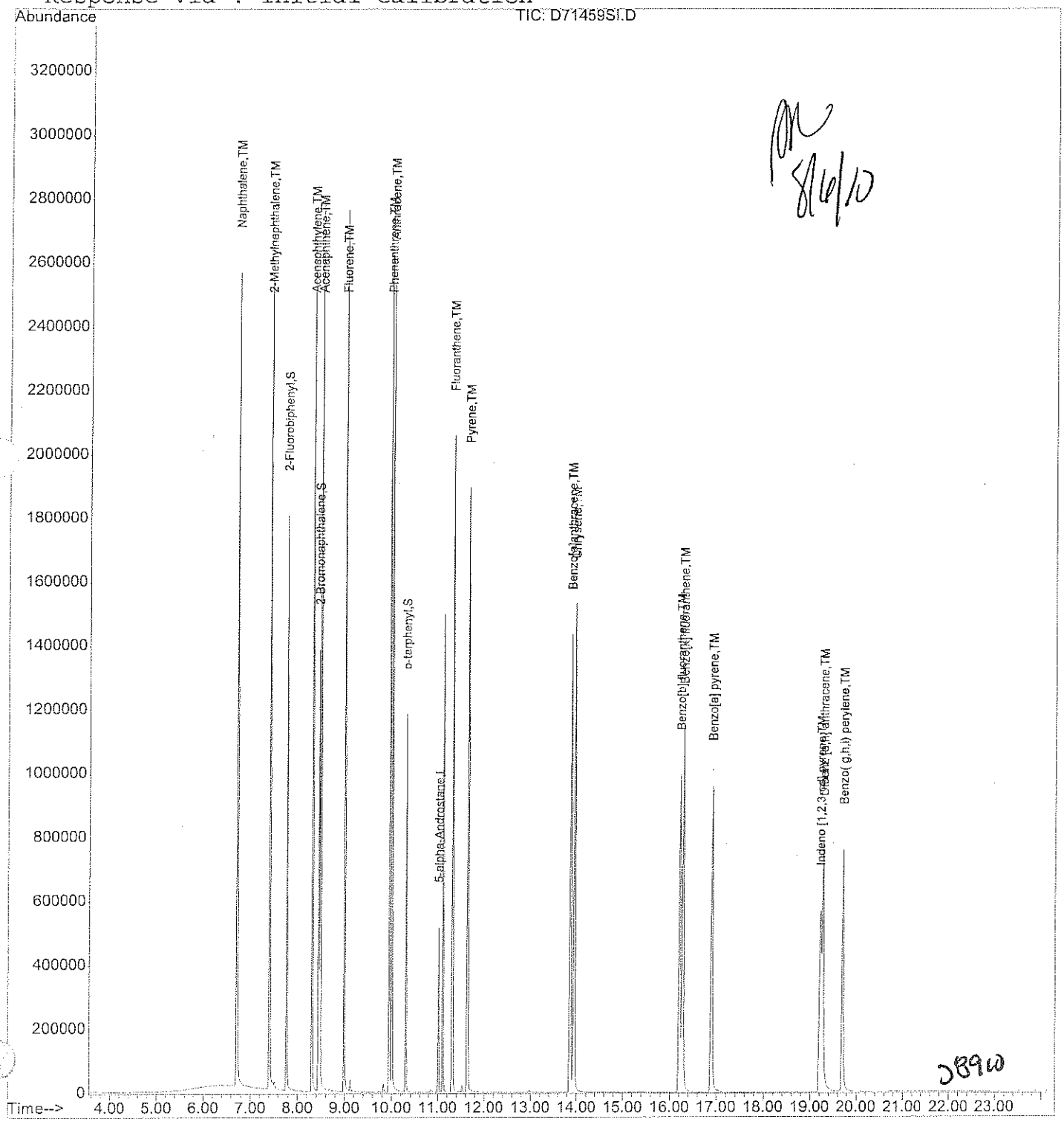
58960

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D Vial: 14
Acq On : 5 Aug 2010 8:23 am Operator: AR/NP
Sample : S9711 ARO 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:45 2010 Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Initial Calibration



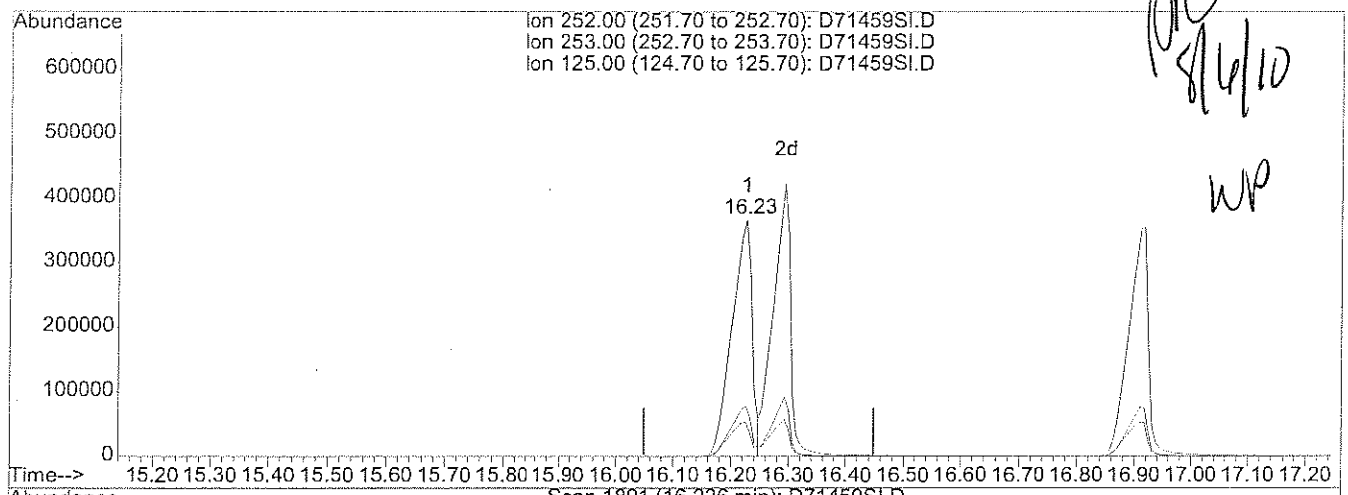
8/6/10

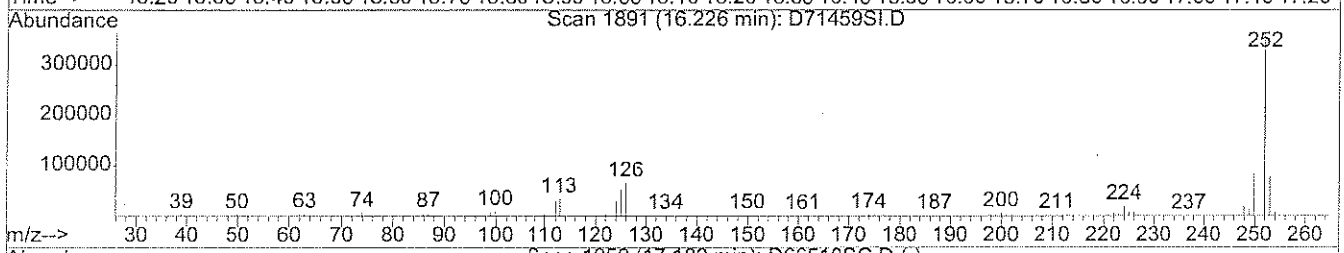
DB90

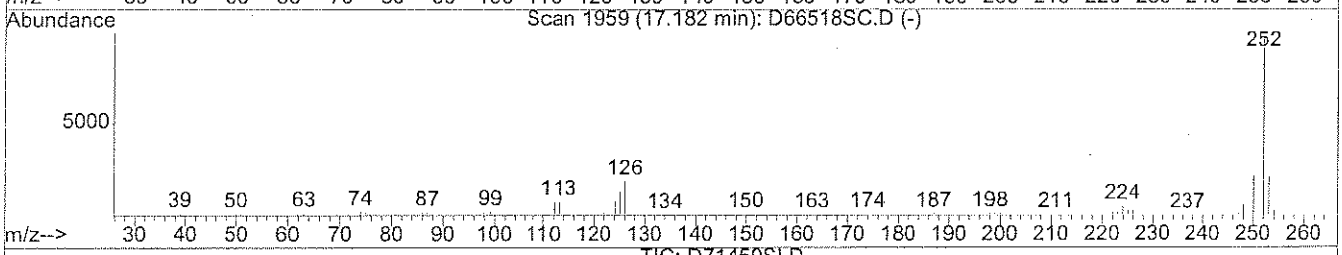
Quantification Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D Vial: 14
Acq On : 5 Aug 2010 8:23 am Operator: AR/NP
Sample : S9711 ARO 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 0:54 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Multiple Level Calibration







TIC: D71459SI.D

(17) Benzo[k] fluoranthene (TM)

16.23min 109.63ug/ml

response 885234

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	21.80
125.00	5.30	15.80#
0.00	0.00	0.00

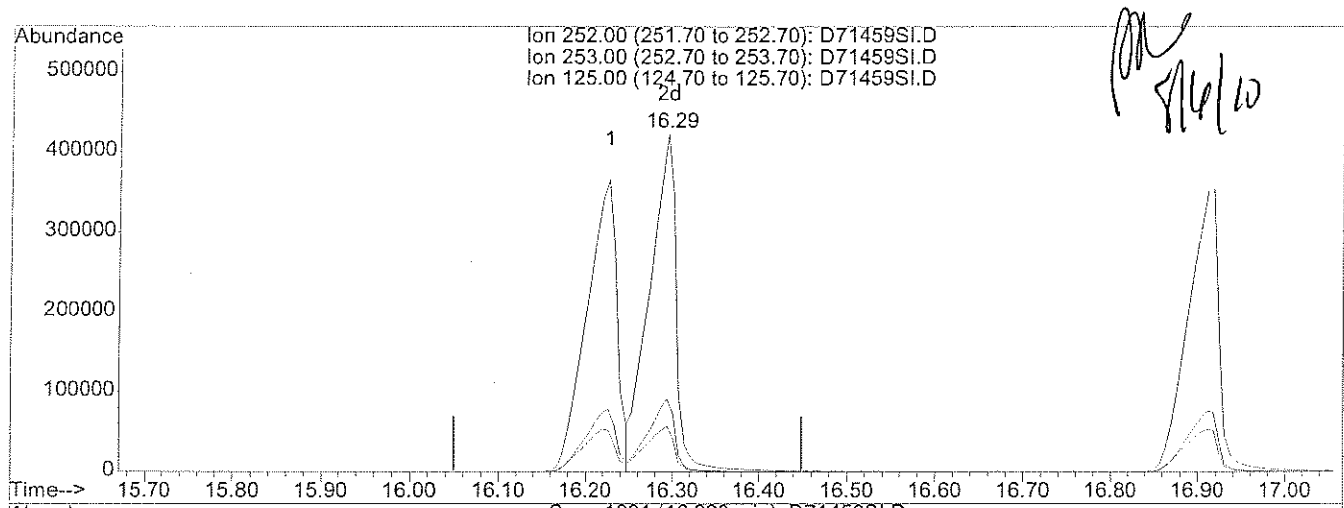
D8590

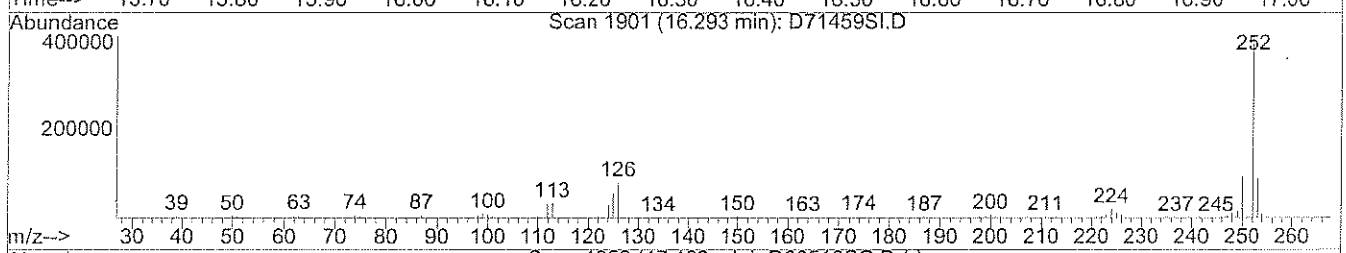
D71459SI.D ARM80410.M Fri Aug 06 01:45:18 2010

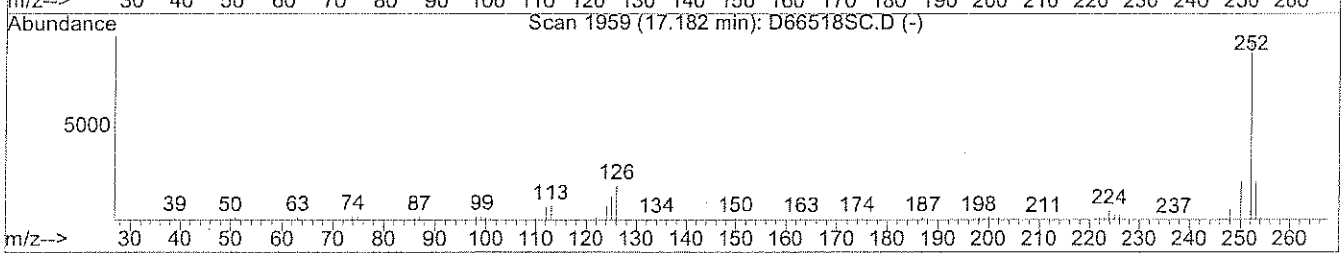
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D Vial: 14
Acq On : 5 Aug 2010 8:23 am Operator: AR/NP
Sample : S9711 ARO 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:45 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Multiple Level Calibration







TIC: D71459SI.D

(17) Benzo[k] fluoranthene (TM)

16.29min 114.05ug/ml m

response 920948

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	20.96
125.00	5.30	15.19#
0.00	0.00	0.00

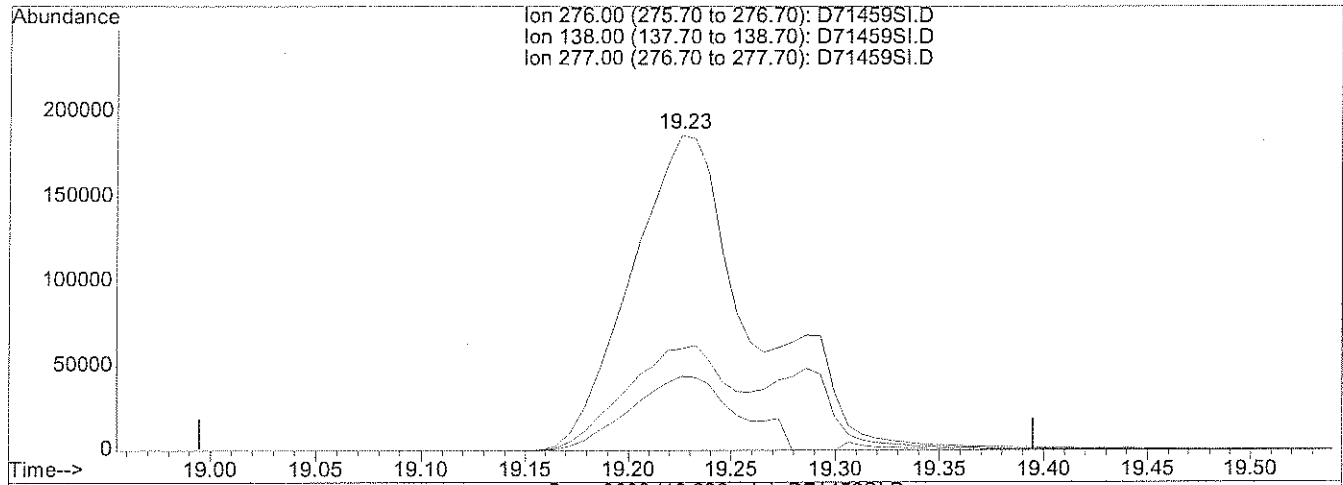
D71459SI.D ARM80410.M Fri Aug 06 01:45:59 2010

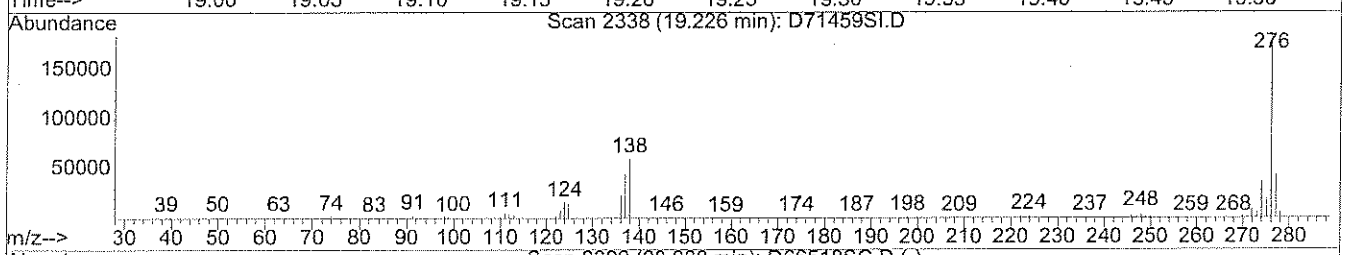
Quantitation Report (Qedit)

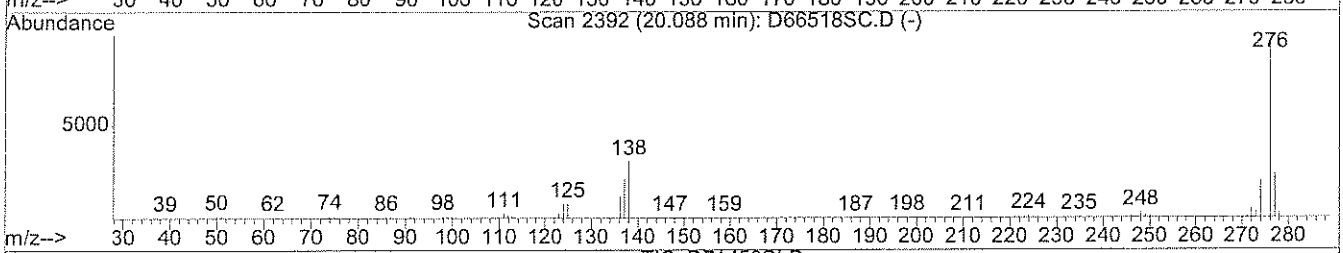
Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D Vial: 14
Acq On : 5 Aug 2010 8:23 am Operator: AR/NP
Sample : S9711 ARO 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:16 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Multiple Level Calibration

NR080560
Cool







TIC: D71459SI.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.23min 100.35ug/ml

response 764613

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	28.57#
277.00	23.80	20.77
0.00	0.00	0.00

JPM 8/6/10

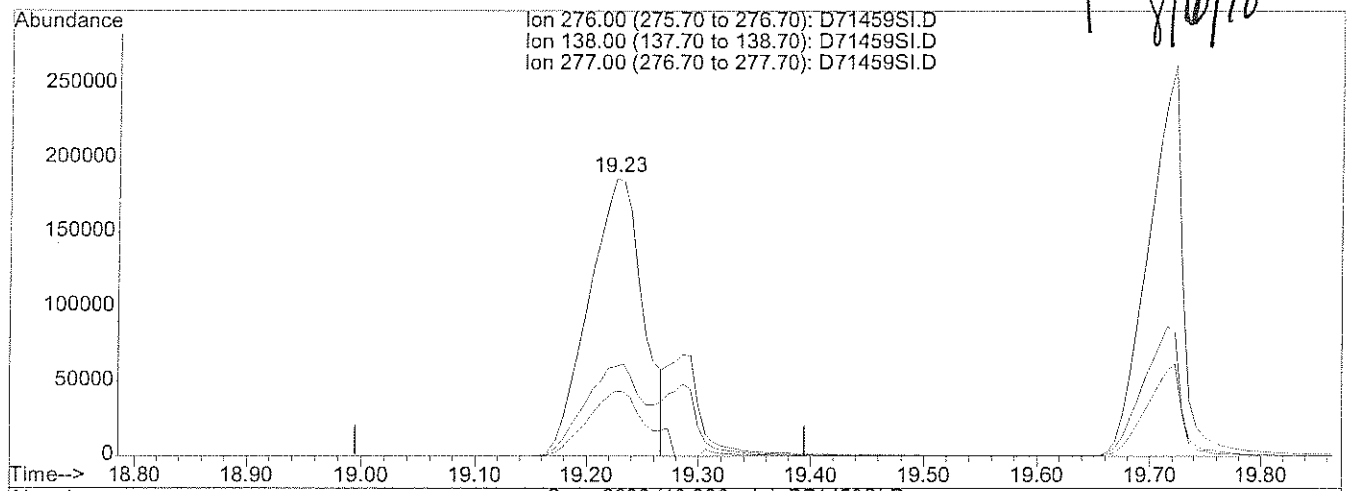
D71459SI.D ARM80410.M Thu Aug 05 11:16:52 2010

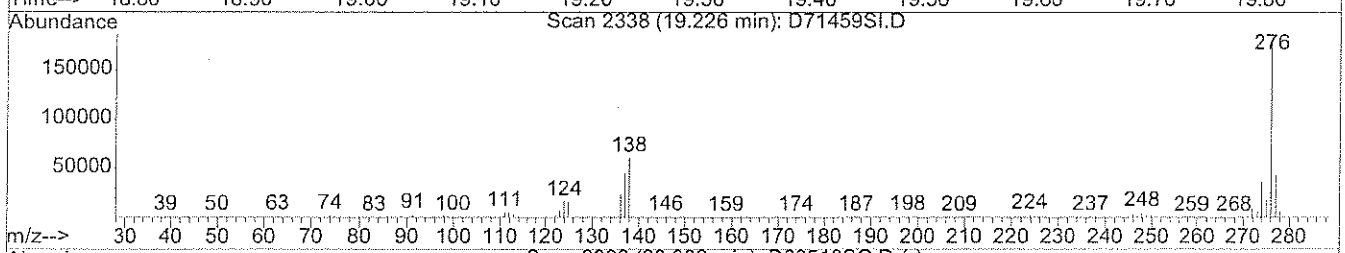
Quantitation Report (Qedit)

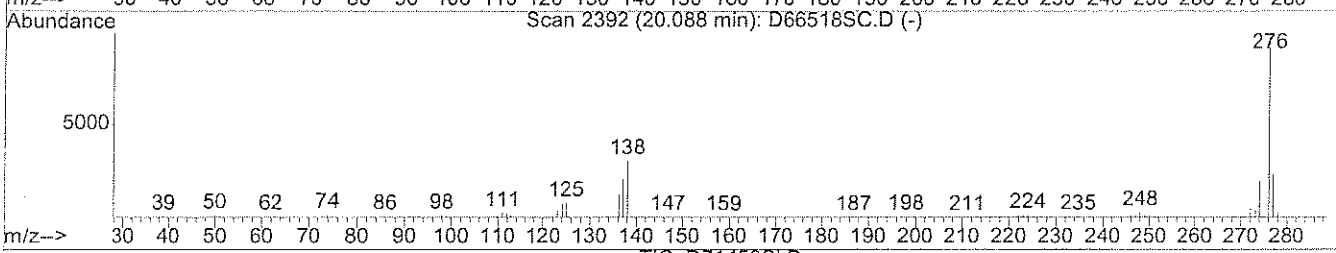
Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D Vial: 14
Acq On : 5 Aug 2010 8:23 am Operator: AR/NP
Sample : S9711 ARO 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:45 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Multiple Level Calibration

8/16/10







TIC: D71459SI.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.23min 85.69ug/ml m

response 622812

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	35.07#
277.00	23.80	25.50
0.00	0.00	0.00

08900

D71459SI.D ARM80410.M Fri Aug 06 01:47:16 2010

MS AROMATIC
ICV

Data File Name D71460.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/5/2010 8:53

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	22.55	20	113%	OK
2-Methylnaphthalene	22.33	20	112%	OK
Acenaphthylene	22.20	20	111%	OK
Acenaphthene	22.24	20	111%	OK
Fluorene	22.47	20	112%	OK
Phenanthrene	21.99	20	110%	OK
Anthracene	22.53	20	113%	OK
o-terphenyl	23.18	20	116%	OK
Fluoranthene	21.67	20	108%	OK
Pyrene	22.24	20	111%	OK
Benzo[a]anthracene	22.19	20	111%	OK
Chrysene	22.58	20	113%	OK
Benzo[b] fluoranthene	20.30	20	102%	OK
Benzo[k] fluoranthene	22.10	20	110%	OK
Benzo[a] pyrene	22.55	20	113%	OK
Indeno [1,2,3-cd] pyrene	20.32	20	102%	OK
Dibenz [a,h] anthracene	22.10	20	111%	OK
Benzo(g,h,i) perylene	22.94	20	115%	OK

8/6/10

D8910

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
3 Integration Params: RTEINT.P
Quant Time: Aug 6 1:50 2010

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

8/6/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	30229	20.00 ug/ml	0.00

System Monitoring Compounds

9) 2-Fluorobiphenyl	0.00	172	0	0.00 ug/ml	
Spiked Amount 20.000	Range 40 - 140		Recovery = 0.00%#		
10) 2-Bromonaphthalene	0.00	206	0	0.00 ug/ml	
Spiked Amount 20.000	Range 40 - 140		Recovery = 0.00%#		
11) o-terphenyl	10.29	230	108521	23.18 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 115.90%		

Target Compounds

					Qvalue
2) Naphthalene	6.71	128	275055	22.55 ug/ml	100
3) 2-Methylnaphthalene	7.41	141	148382	22.33 ug/ml	98
4) Acenaphthylene	8.30	152	254844	22.20 ug/ml	99
5) Acenaphthene	8.47	154	142432	22.24 ug/ml	99
6) Fluorene	8.99	166	167212	22.47 ug/ml	99
7) Phenanthrene	9.94	178	220537	21.99 ug/ml	100
8) Anthracene	10.00	178	235154	22.53 ug/ml	99
12) Fluoranthene	11.30	202	226258	21.67 ug/ml#	91
13) Pyrene	11.63	202	238512	22.24 ug/ml#	90
14) Benzo[a]anthracene	13.85	228	182759	22.19 ug/ml	99
15) Chrysene	13.93	228	196332	22.58 ug/ml	99
16) Benzo[b] fluoranthene	16.20	252	146621	20.30 ug/ml#	92
17) Benzo[k] fluoranthene	16.25	252	163381	22.10 ug/ml#	92
18) Benzo[a] pyrene	16.88	252	153981	22.55 ug/ml#	91
19) Indeno [1,2,3-cd] pyrene	19.20	276	110941m	20.32 ug/ml	
20) Dibenz [a,h] anthracene	19.25	278	124041	22.10 ug/ml#	86
21) Benzo(g,h,i) perylene	19.69	276	139676	22.94 ug/ml#	75

2/8/10

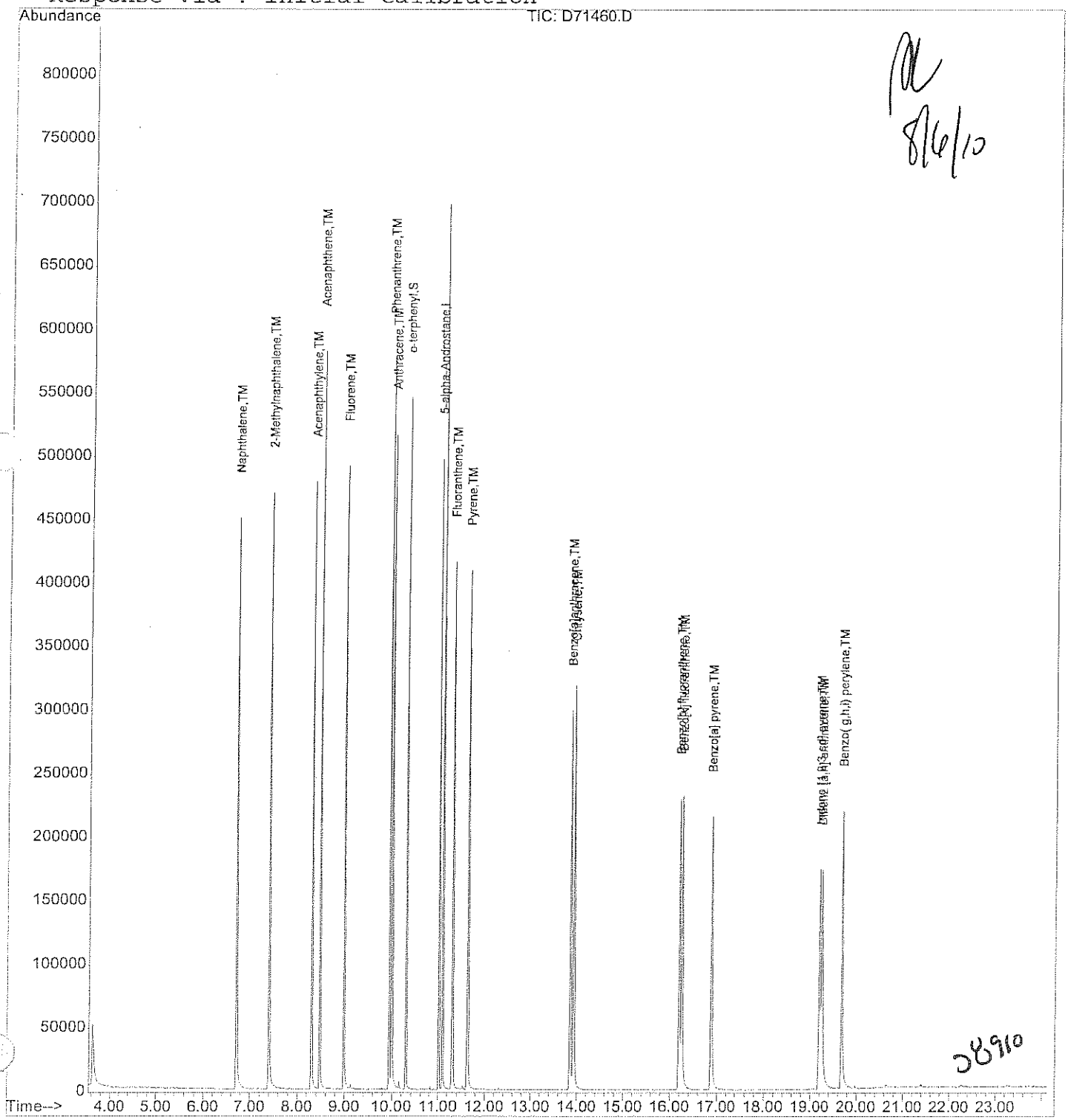
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:50 2010

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Initial Calibration



8/6/10

D71460.D ARM80410.M Fri Aug 06 01:50:42 2010 Page 2

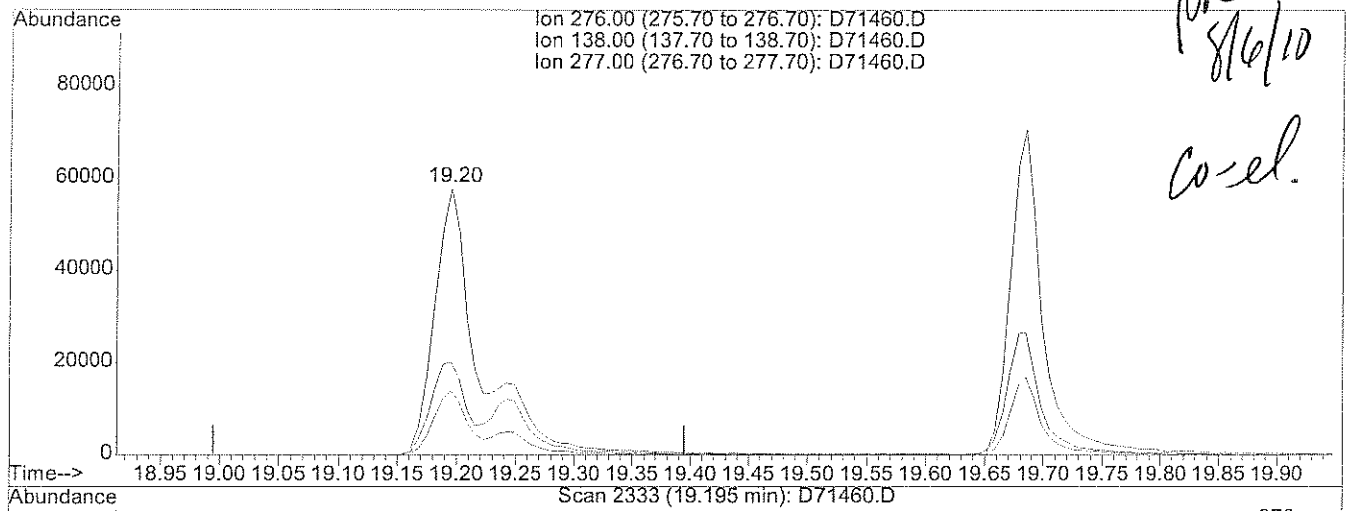
Quantitation Report (Qedit)

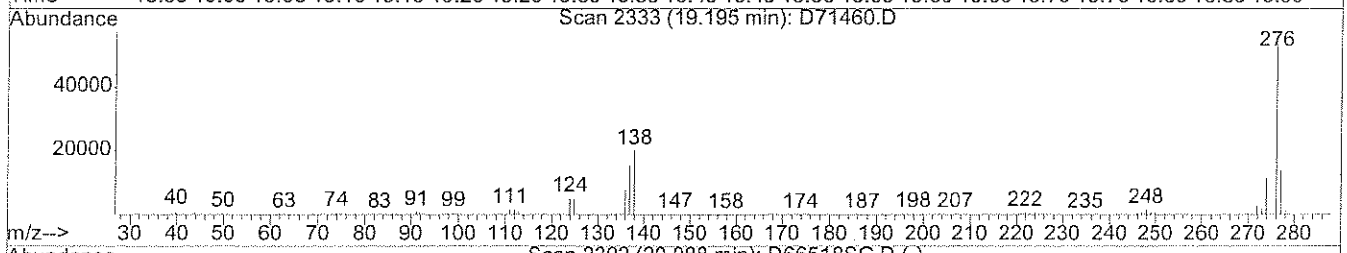
Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D Vial: 15
Acq On : 5 Aug 2010 8:53 am Operator: AR/NP
Sample : S9716 ARO 20 ICV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:49 2010 Quant Results File: temp.res

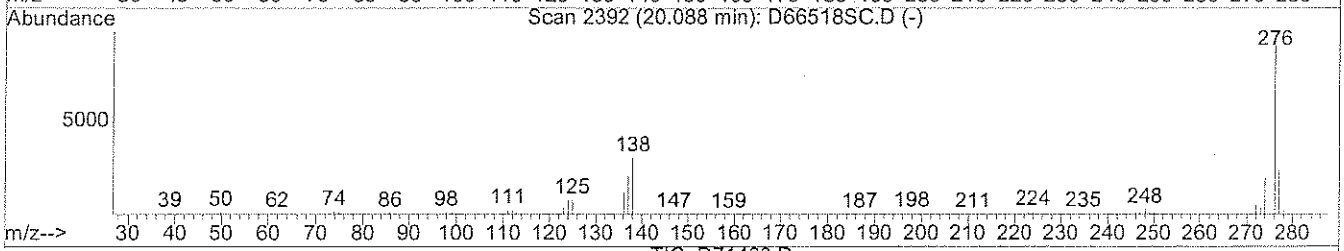
Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Multiple Level Calibration

8/6/10

Co-el.







TIC: D71460.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.20min 27.72ug/ml

response 154553

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	27.68#
277.00	23.80	17.45#
0.00	0.00	0.00

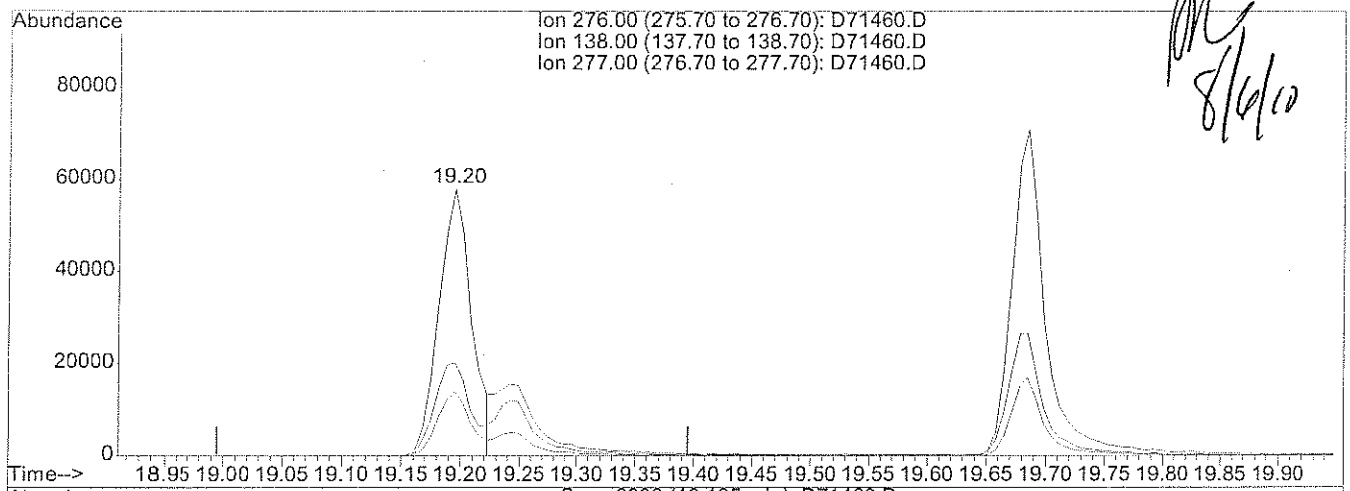
38910

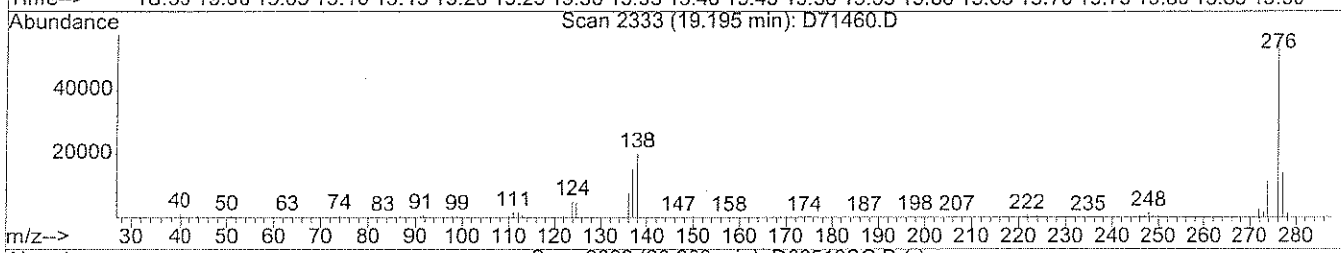
D71460.D ARM80410.M Fri Aug 06 01:50:12 2010

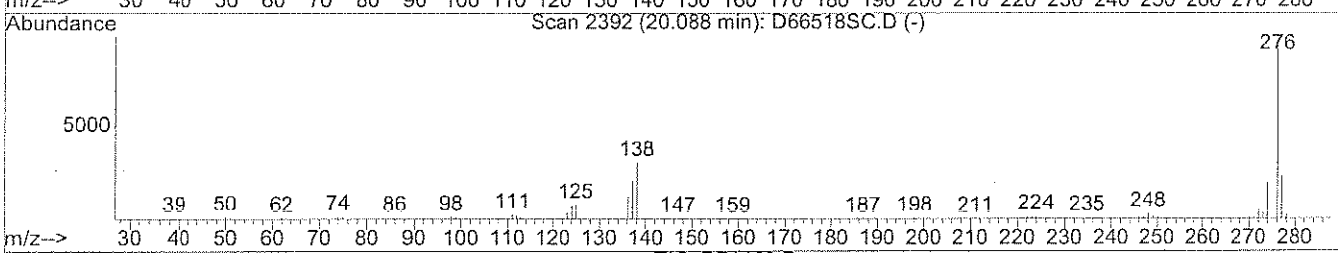
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D Vial: 15
Acq On : 5 Aug 2010 8:53 am Operator: AR/NP
Sample : S9716 ARO 20 ICV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:50 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Multiple Level Calibration







TIC: D71460.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.20min 20.32ug/ml m

response 110941

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	38.56#
277.00	23.80	24.31
0.00	0.00	0.00

D71460.D ARM80410.M Fri Aug 06 01:50:22 2010

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010

N1080510

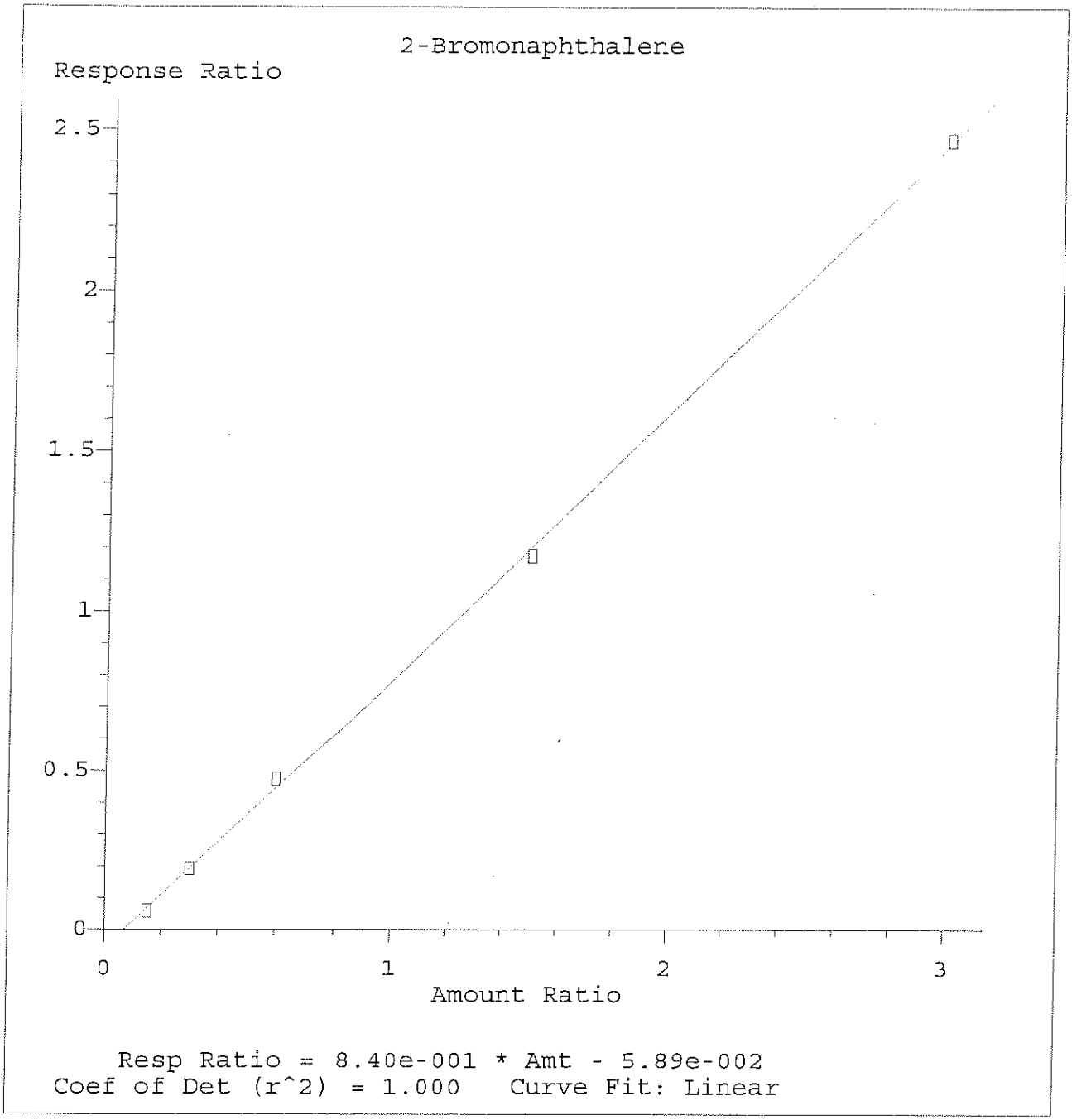
Calibration Files
2 =D71454SI.D 5 =D71455SI.D 10 =D71456SI.D
20 =D71457SI.D 50 =D71458SI.D 100 =D71459SI.D

		Compound	2	5	10	20	50	100	Avg		%RS
1)	I	5-alpha-Androstane	----------ISTD----------								
2)	TZ	Naphthalene	1.010	1.076	1.056	1.046	1.104	1.173	1.077	0	5.2
3)	TZ	2-Methylnaphthalene	1.004	1.010	1.043	1.027	1.082	1.088	1.042	0	3.4
4)	TZ	Acenaphthylene	0.939	0.946	0.990	0.995	1.017	1.029	0.986	0	3.7
5)	TZ	Acenaphthene	1.282	1.228	1.176	1.150	1.116	1.112	1.177	0	5.6
6)	TZ	Fluorene	0.909	0.933	0.933	0.972	0.997	0.991	0.956	0	3.7
7)	TZ	Phenanthrene	0.869	0.968	1.002	0.976	1.049	1.030	0.982	0	6.5
8)	TZ	Anthracene	0.898	1.009	1.039	0.998	1.047	0.991	0.997	0	5.3
9)	S	2-Fluorobiphenyl	—	0.934	0.957	0.978	1.013	1.053	0.987	0	4.7
10)	S	2-Bromonaphthalene	—	0.396	0.639	0.790	0.782	0.824	0.686	0	25.7
11)	S	o-terphenyl	—	0.912	0.920	0.914	0.948	0.989	0.937	0	3.4
12)	TZ	Fluoranthene	0.939	0.958	0.937	0.951	1.014	1.013	0.969	0	3.6
13)	TZ	Pyrene	0.947	0.972	0.990	1.010	1.028	1.021	0.995	0	3.1
14)	TZ	Benzo[a]anthracene	0.676	0.747	0.781	0.845	0.927	0.925	0.817	0	12.3
15)	TZ	Chrysene	0.847	0.902	0.906	0.959	0.990	0.970	0.929	0	5.7
16)	TZ	Benzo[b] fluoranthe	0.543	0.598	0.639	0.694	0.770	0.782	0.671	0	14.2
[illegible])	TZ	Benzo[k] fluoranthe	0.702	0.751	0.761	0.804	0.827	0.811	0.776	0	6.0
[illegible])	TZ	Benzo[a] pyrene	0.517	0.592	0.663	0.712	0.752	0.765	0.667	0	14.5
19)	TZ	Indeno [1,2,3-cd] p	0.318	0.413	0.475	0.552	0.606	0.562	0.488	0	22.1
20)	TZ	Dibenz [a,h] anthra	0.552	0.650	0.708	0.746	0.695	0.691	0.673	0	9.9
21)	TZ	Benzo(g,h,i) peryl	0.506	0.600	0.638	0.715	0.651	0.572	0.614	0	11.6
22)	XH	c11-c22	0.792	0.844	0.867	0.891	0.922	0.913	0.872	0	5.5

8/5/10

(#) = Out of Range

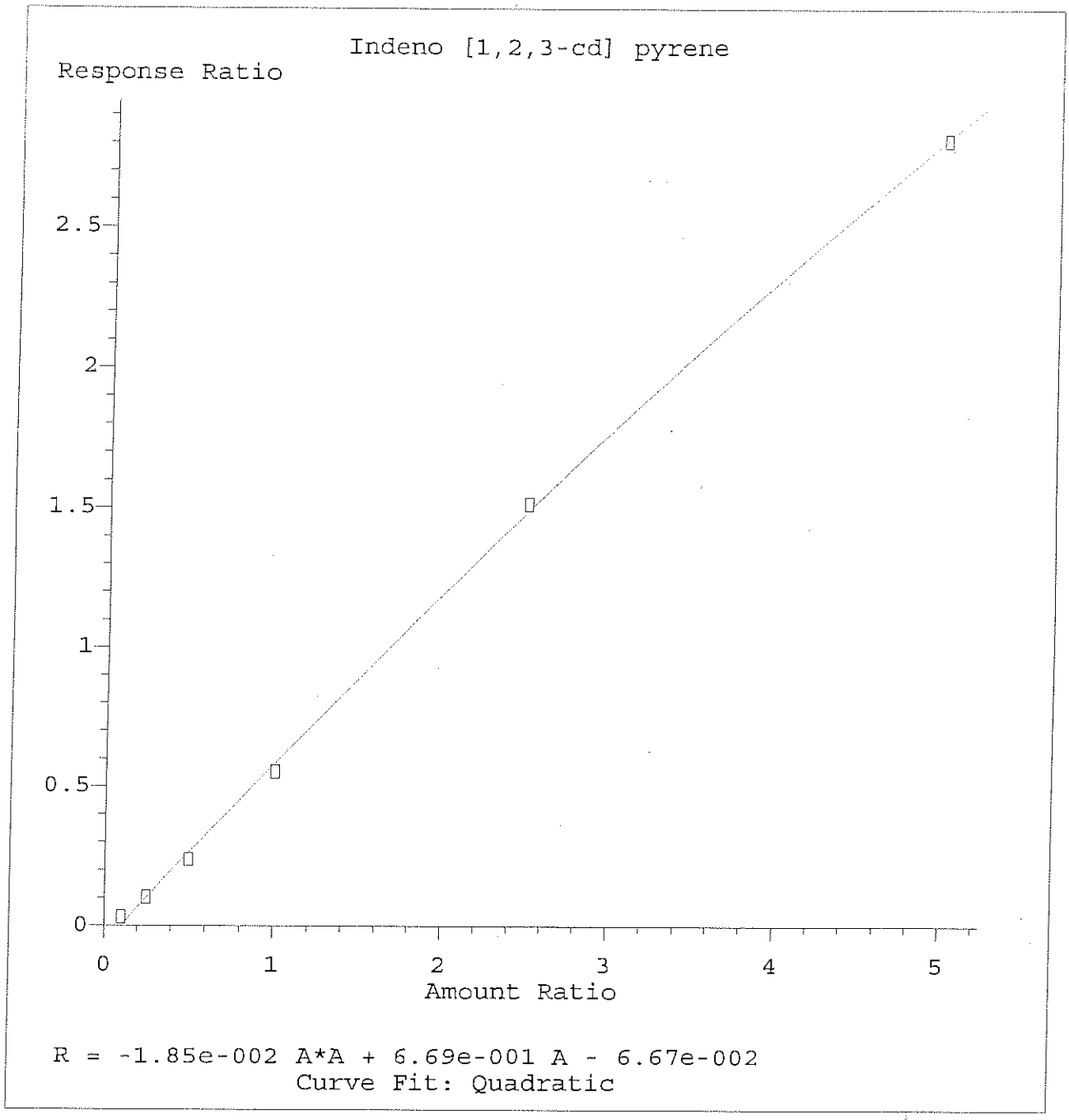
W108050



Method Name: D:\HPCHEM\1\METHODS\ARG80410.M
Calibration Table Last Updated: Thu Aug 05 10:32:35 2010

JPM 8/5/10

NC080510



Method Name: D:\HPCHEM\1\METHODS\ARG80410.M
Calibration Table Last Updated: Thu Aug 05 10:34:13 2010

✓ DM 8/5/10

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:22 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

MR 080510

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7321140	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	400952	1.075 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	5.38%#
10) S 2-Bromonaphthalene	8.45	259067	<MDL ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
11) S o-terphenyl	10.30	263140	<MDL ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
Target Compounds			
2) TZ Naphthalene	6.72	739434	2.118 ug/ml
3) TZ 2-Methylnaphthalene	7.41	735081	2.008 ug/ml
4) TZ Acenaphthylene	8.31	687457	1.884 ug/ml
5) TZ Acenaphthene	8.47	938876	1.070 ug/mlm
6) TZ Fluorene	8.99	665453	1.746 ug/ml
7) TZ Phenanthrene	9.95	635887	1.640 ug/ml
8) TZ Anthracene	10.00	657438	1.739 ug/ml
12) TZ Fluoranthene	11.31	687294	1.734 ug/ml
13) TZ Pyrene	11.64	693311	1.686 ug/ml
14) TZ Benzo[a]anthracene	13.86	494989	2.649 ug/ml
15) TZ Chrysene	13.93	620391	1.674 ug/ml
16) TZ Benzo[b] fluoranthene	16.20	397338	2.158 ug/ml
17) TZ Benzo[k] fluoranthene	16.26	513847	1.888 ug/ml
18) TZ Benzo[a] pyrene	16.89	378441	2.595 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.21	232930	2.844 ug/ml
20) TZ Dibenz [a,h] anthracene	19.26	403891	1.151 ug/ml
21) TZ Benzo(g,h,i) perylene	19.70	370741	2.257 ug/ml
22) XH c11-c22	11.79	15652020	43.463 ug/ml

8/5/10

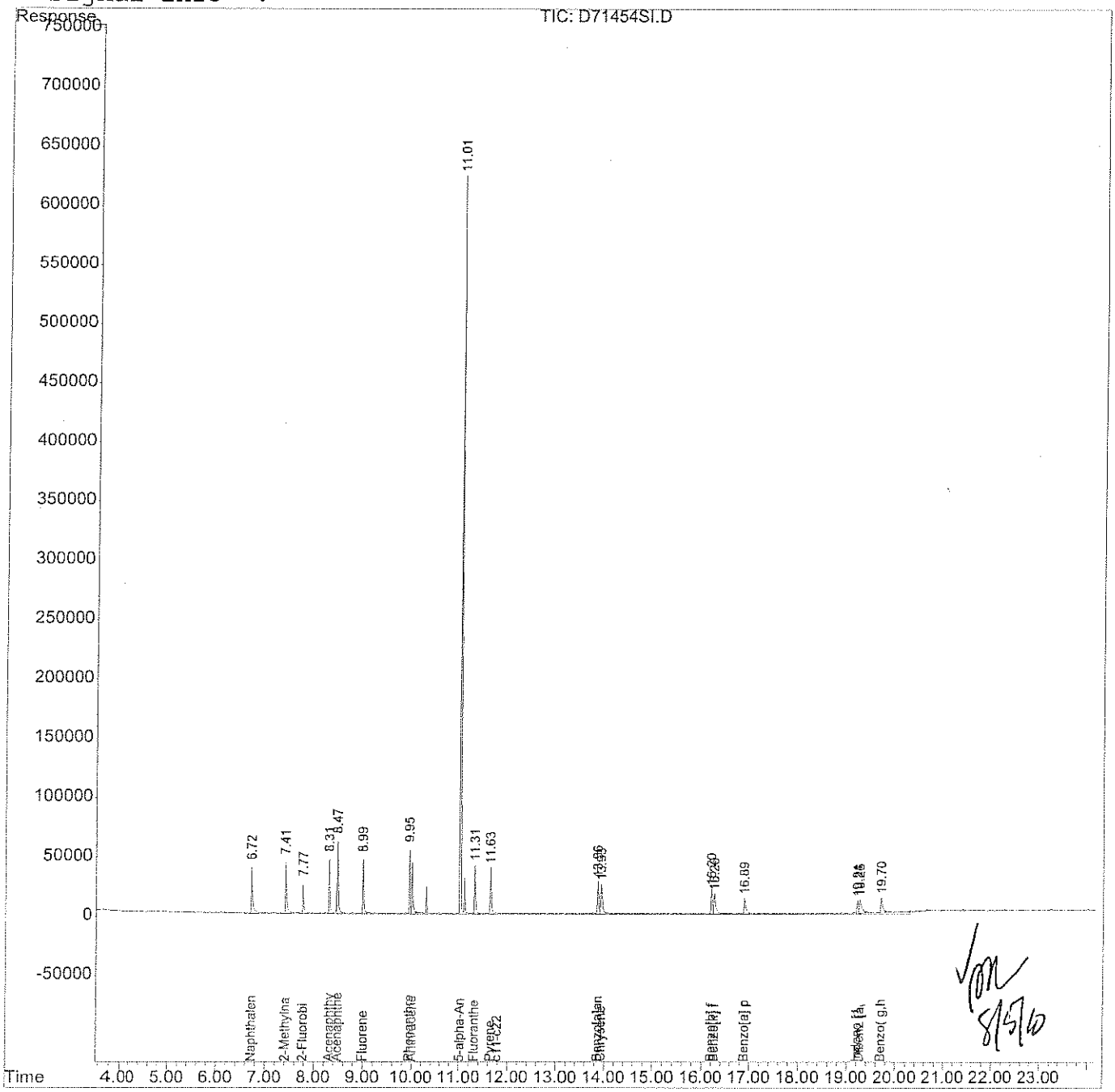
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:22 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration NP 080510
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

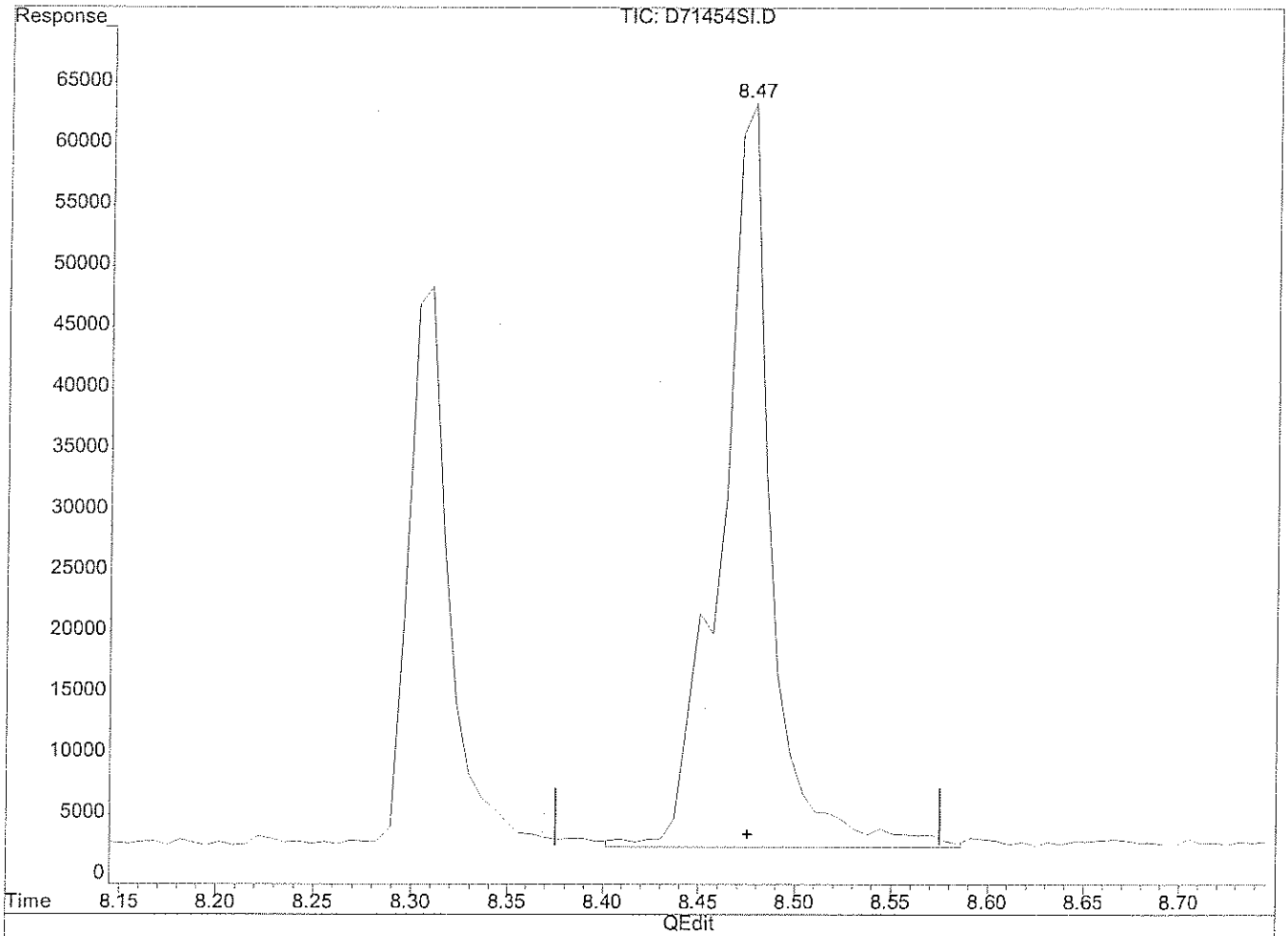
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D
Acq On : 5 Aug 2010 5:51 am
Sample : S9706 ARO 2
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 8:28 2010 Quant Results File: ARG80410.RES

Vial: 9
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration

N 080710
Cool



(5) Acenaphthene (TZ)

8.48min 1.447ug/ml

response 1104428

8/5/10

(+) = Expected Retention Time

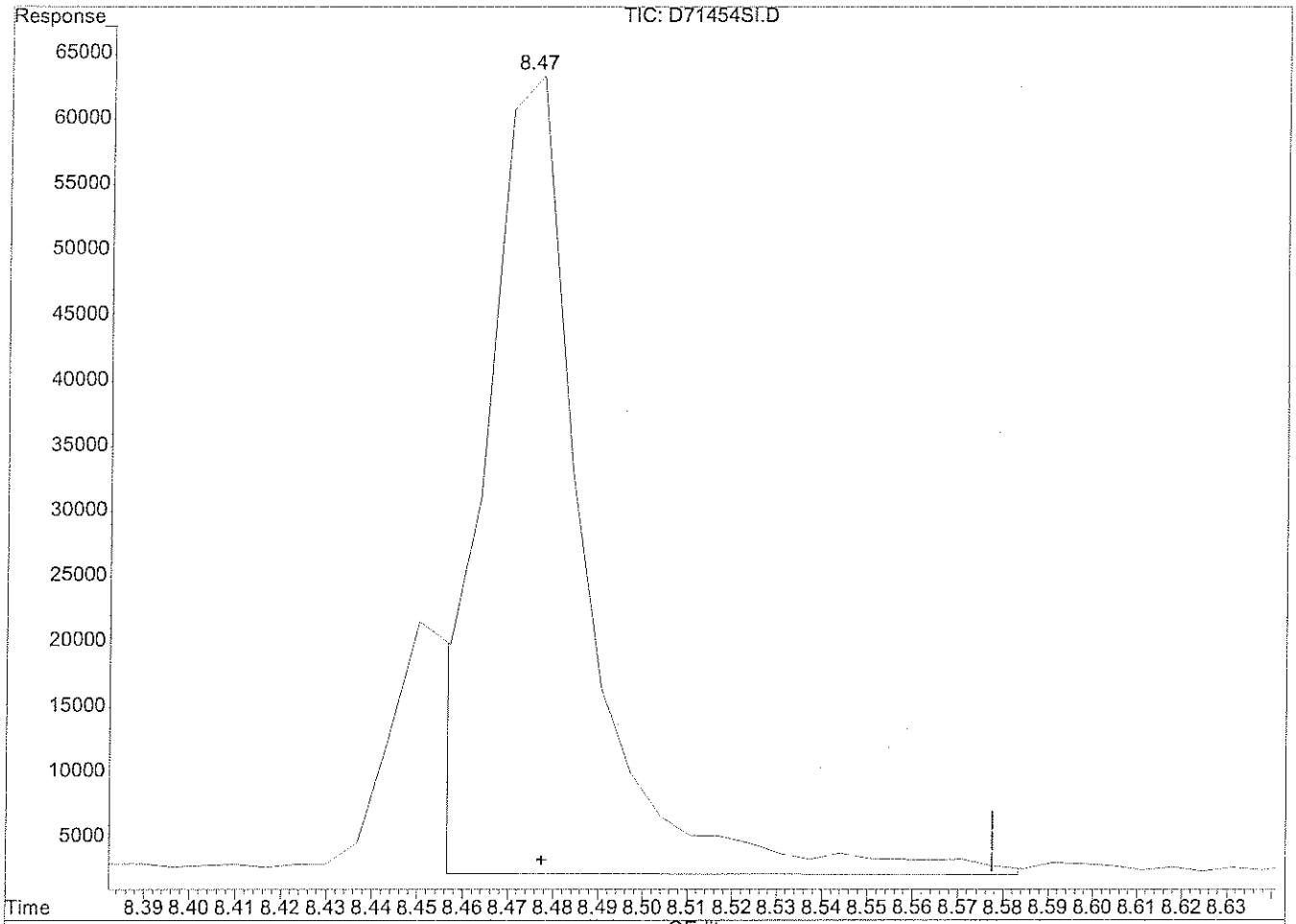
D71454SI.D ARG80410.M Thu Aug 05 08:30:56 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:22 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration

NP 080510



(5) Acenaphthene (TZ)

8.47min 1.070ug/ml m

response 938876

8/5/10

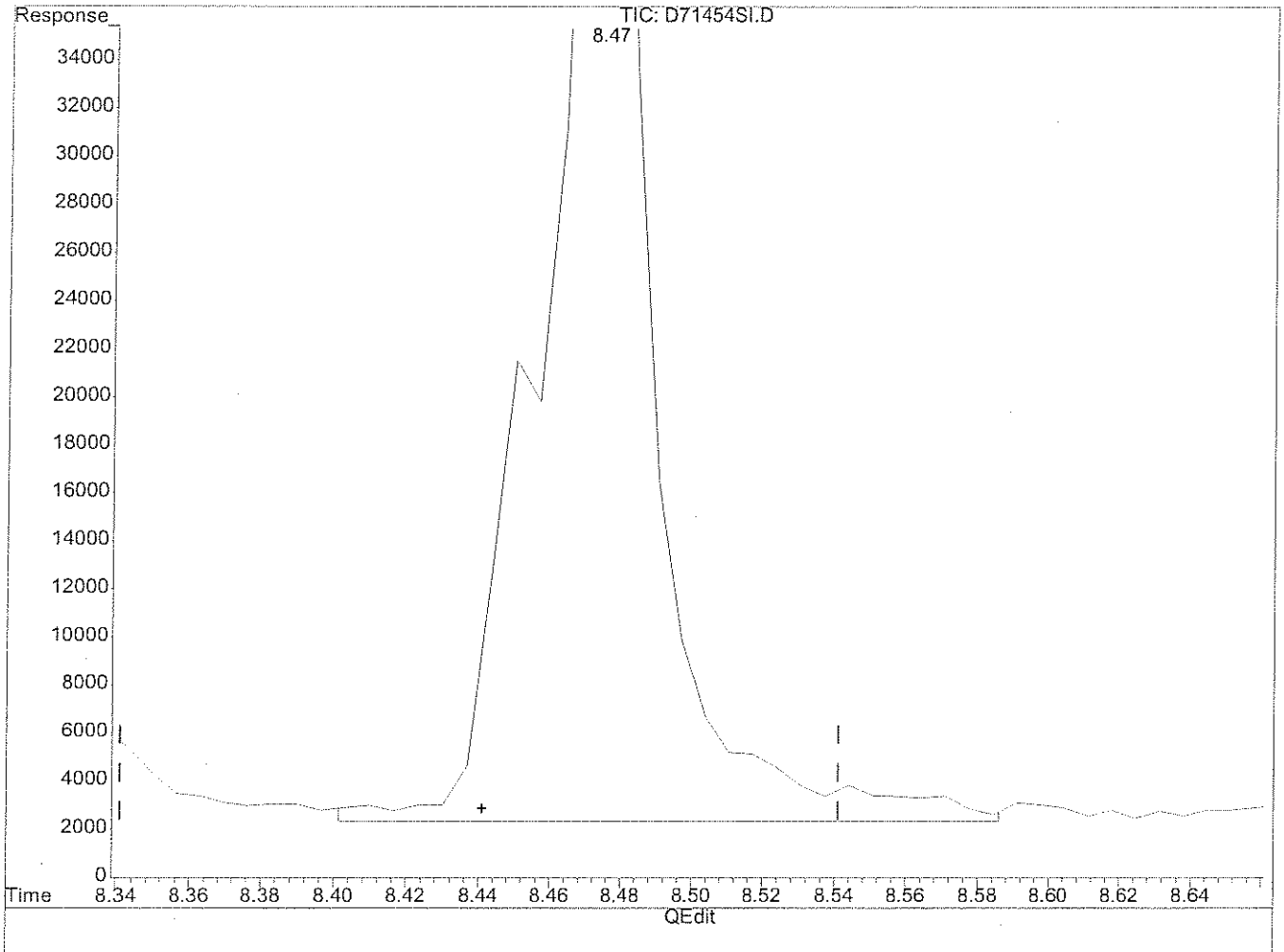
(+) = Expected Retention Time

D71454SI.D ARG80410.M Thu Aug 05 10:22:30 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 8:27 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration



(10) 2-Bromonaphthalene (S)

8.48min 3.821ug/ml

response 1104428

(+) = Expected Retention Time

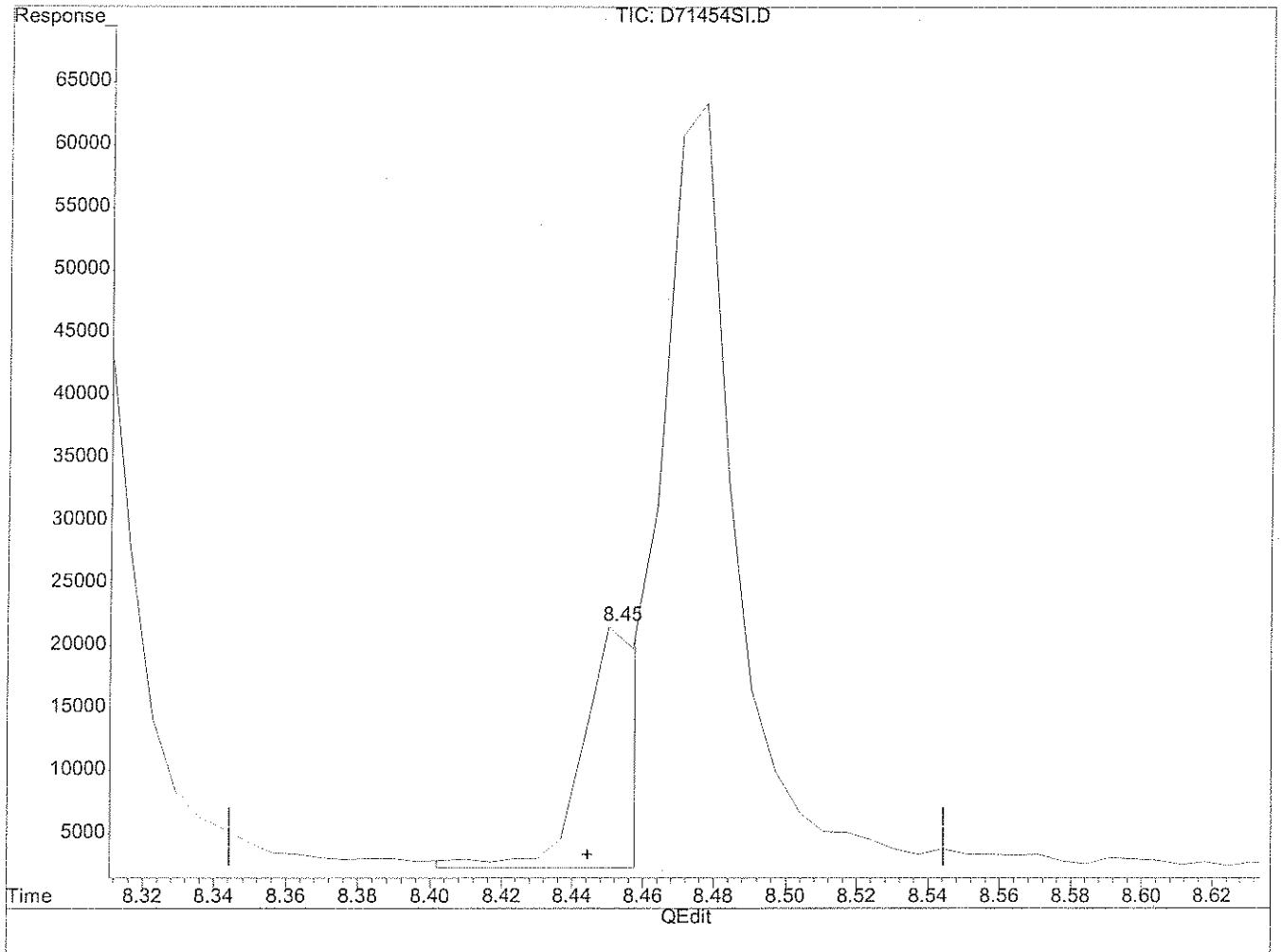
D71454SI.D ARG80410.M Thu Aug 05 08:27:47 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:22 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration

N 080510



(10) 2-Bromonaphthalene (S)

8.45min 0.896ug/ml m

response 259067

JON 8/5/10

(+) = Expected Retention Time

D71454SI.D ARG80410.M Thu Aug 05 10:22:45 2010

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D Vial: 10
Acq On : 5 Aug 2010 6:22 am Operator: AR/NP
Sample : S9707 ARO 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:26 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

MM080510

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7034296	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	985691	2.749 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	13.75%#
10) S 2-Bromonaphthalene	8.45	417787	1.504 ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	7.52%#
11) S o-terphenyl	10.29	641633	1.393 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	6.97%#
Target Compounds			
2) TZ Naphthalene	6.72	1891898	5.641 ug/ml
3) TZ 2-Methylnaphthalene	7.41	1775647	5.048 ug/ml
4) TZ Acenaphthylene	8.31	1663312	4.743 ug/ml
5) TZ Acenaphthene	8.47	2159813	4.069 ug/mlm
6) TZ Fluorene	8.99	1640841	4.480 ug/ml
7) TZ Phenanthrene	9.95	1701825	4.567 ug/ml
8) TZ Anthracene	10.00	1775029	4.888 ug/ml
12) TZ Fluoranthene	11.31	1684148	4.422 ug/ml
13) TZ Pyrene	11.63	1708938	4.325 ug/ml
14) TZ Benzo[a]anthracene	13.85	1314199	4.769 ug/ml
15) TZ Chrysene	13.93	1586729	4.455 ug/ml
16) TZ Benzo[b] fluoranthene	16.19	1051658	4.139 ug/ml
17) TZ Benzo[k] fluoranthene	16.25	1321090	4.086 ug/ml
18) TZ Benzo[a] pyrene	16.88	1040877	4.559 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.20	727145	4.369 ug/ml
20) TZ Dibenz [a,h] anthracene	19.25	1142689	3.389 ug/ml
21) TZ Benzo(g,h,i) perylene	19.69	1055296	4.053 ug/ml
22) XH c11-c22	11.79	31324045	90.529 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

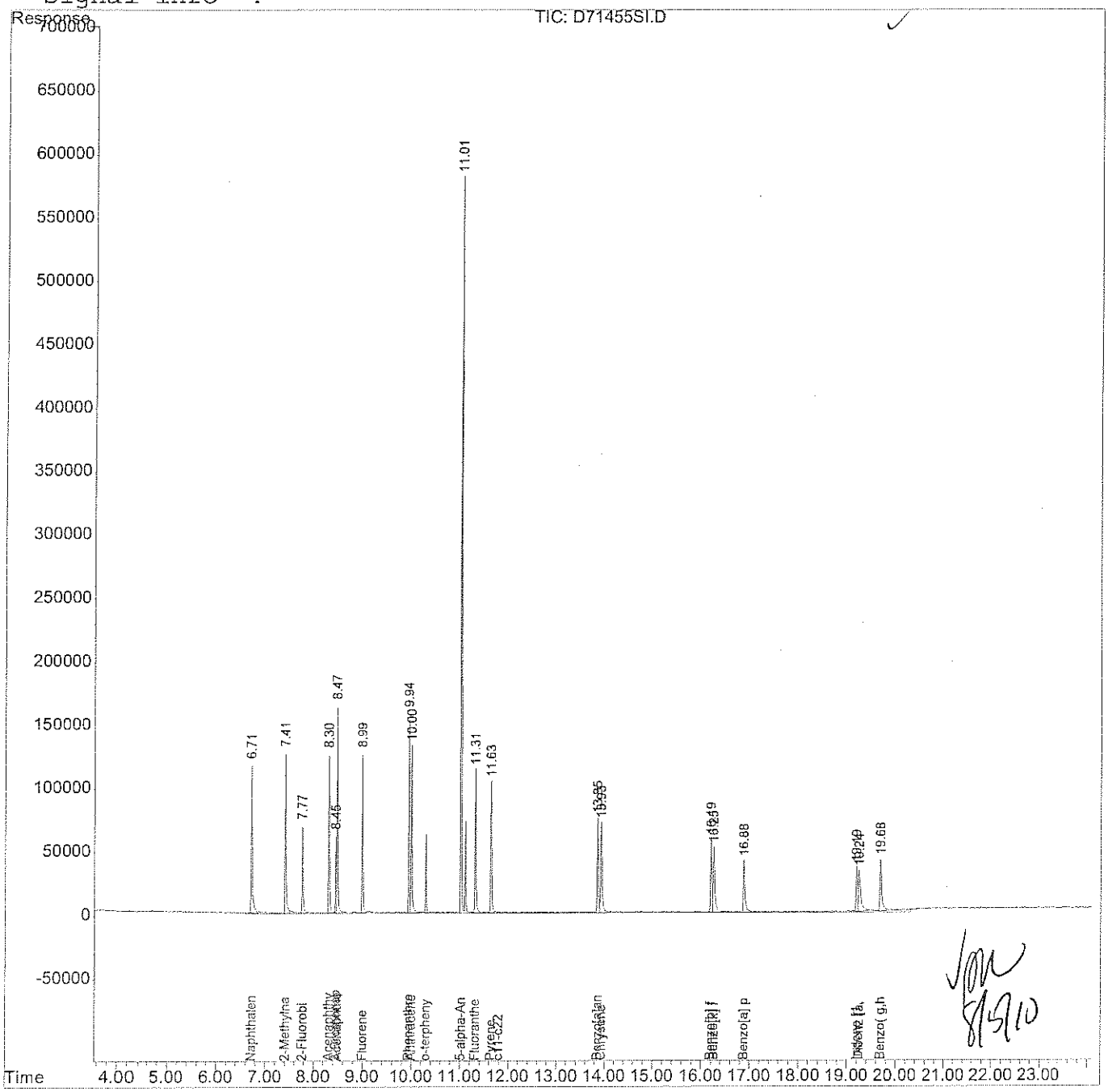
Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D Vial: 10
Acq On : 5 Aug 2010 6:22 am Operator: AR/NP
Sample : S9707 ARO 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:26 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Wo 80510

Volume Inj. :
Signal Phase :
Signal Info :



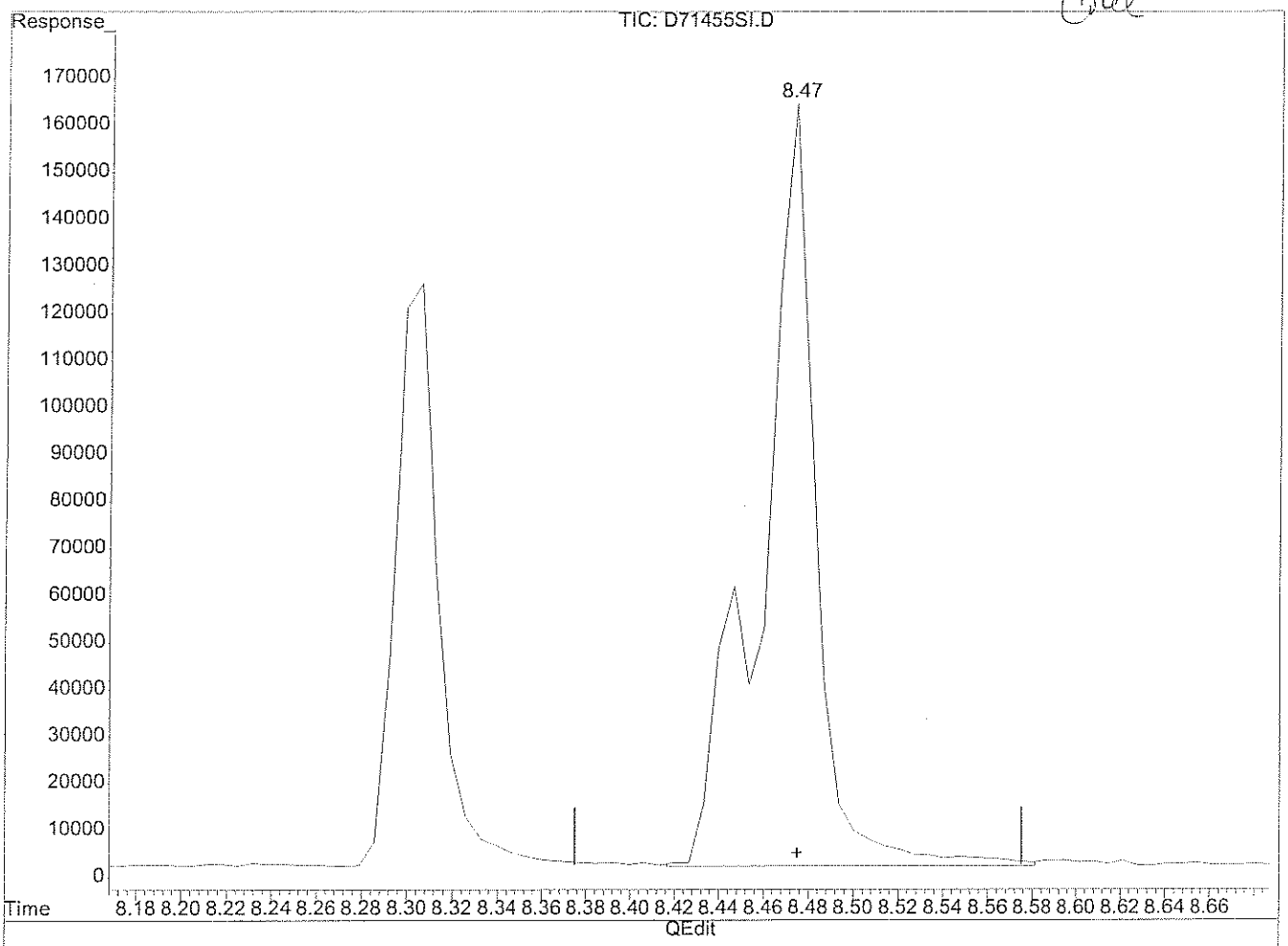
JAN 8/5/10

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D Vial: 10
Acq On : 5 Aug 2010 6:22 am Operator: AR/NP
Sample : S9707 ARO 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 8:28 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration

NR080510
Cool



(5) Acenaphthene (TZ)

8.48min 5.466ug/ml

response 2740647

8/5/10

(+) = Expected Retention Time

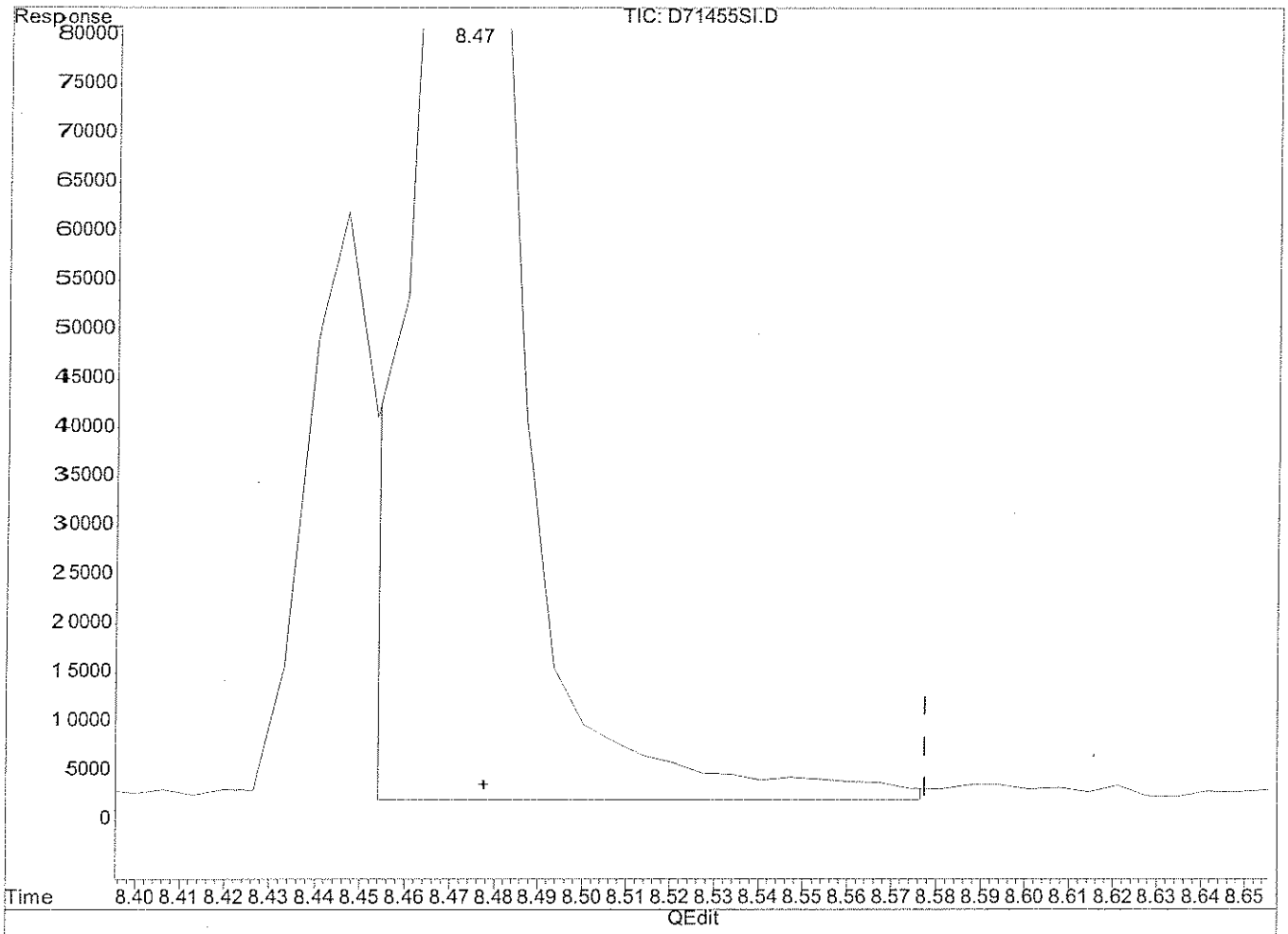
D71455SI.D ARG80410.M Thu Aug 05 08:31:19 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D Vial: 10
Acq On : 5 Aug 2010 6:22 am Operator: AR/NP
Sample : S9707 ARO 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:25 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration

ARO80310



(5) Acenaphthene (TZ)

8.47min 4.069ug/ml m

response 2159813

8/5/10

(+) = Expected Retention Time

D71455SI.D ARG80410.M Thu Aug 05 10:25:58 2010

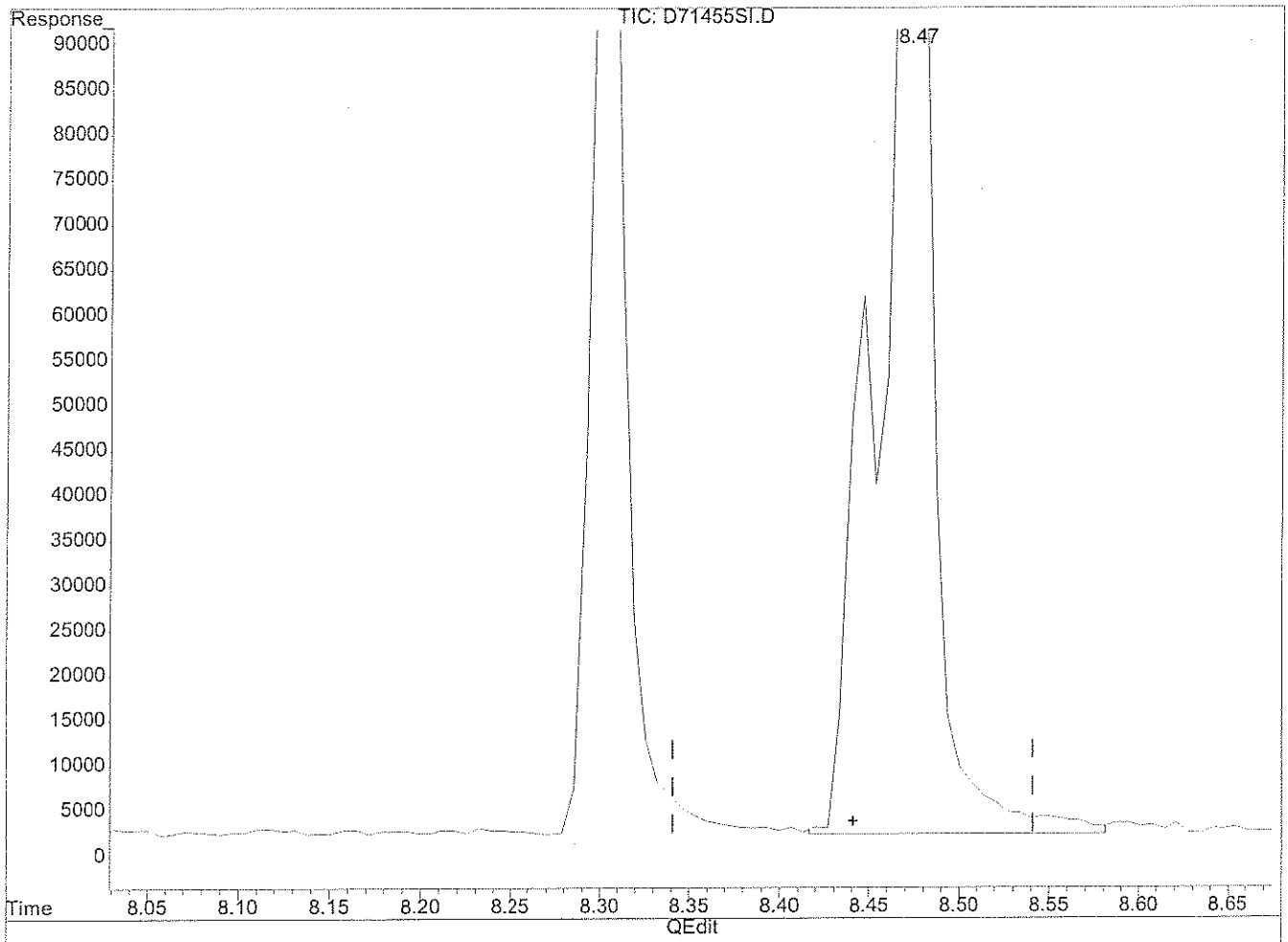
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D
Acq On : 5 Aug 2010 6:22 am
Sample : S9707 ARO 5
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 8:28 2010 Quant Results File: ARG80410.RES

Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration

NK 080510
Cond



(10) 2-Bromonaphthalene (S)

8.48min 9.869ug/ml

response 2740647

8/5/10

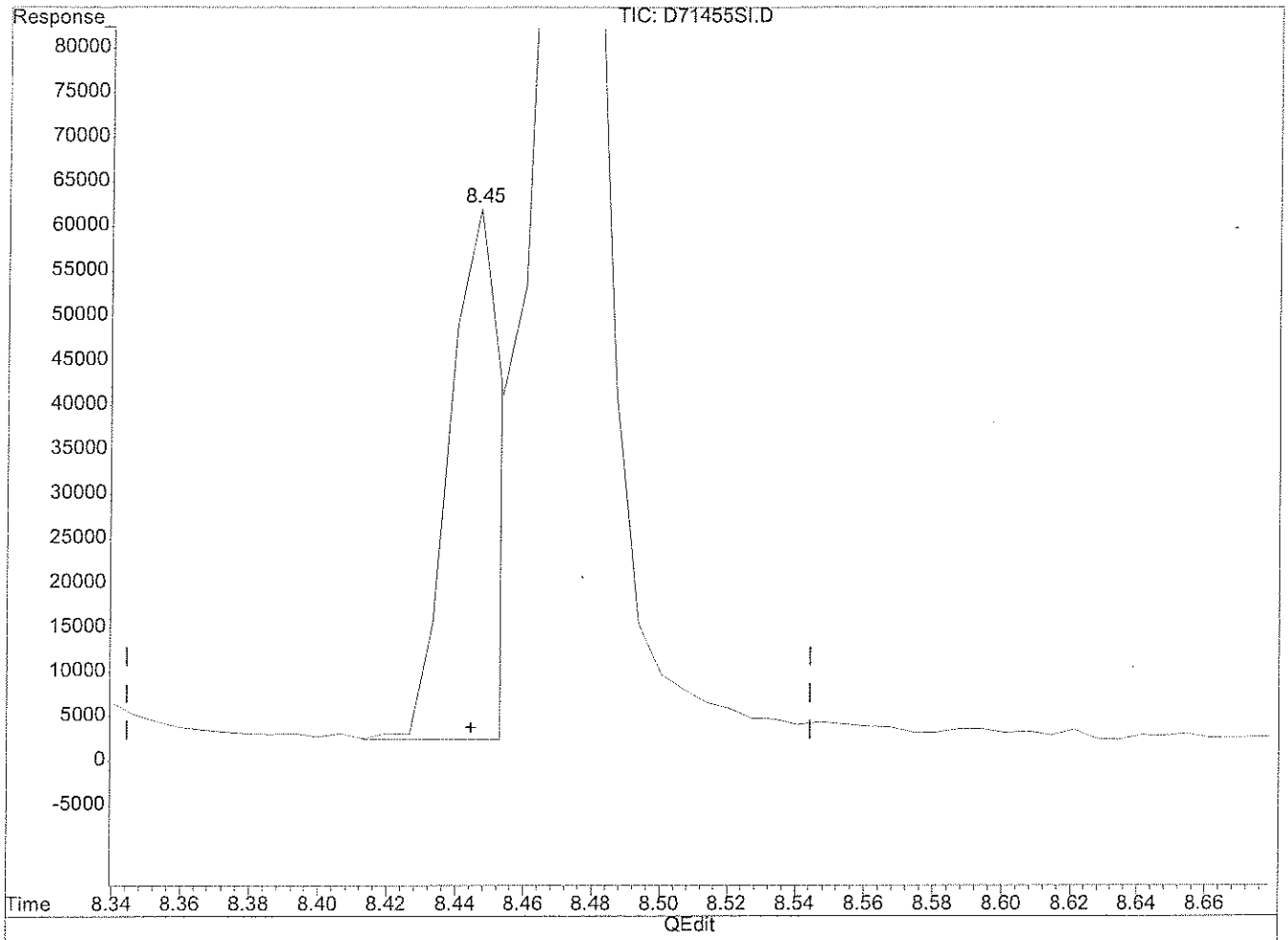
(+) = Expected Retention Time

D71455SI.D ARG80410.M Thu Aug 05 08:28:46 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D Vial: 10
Acq On : 5 Aug 2010 6:22 am Operator: AR/NP
Sample : S9707 ARO 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:25 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010 NP 8/05/10
Response via : Multiple Level Calibration



(10) 2-Bromonaphthalene (S)

8.45min 1.504ug/ml m

response 417787

8/5/10

(+) = Expected Retention Time
D71455SI.D ARG80410.M Thu Aug 05 10:26:11 2010

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D Vial: 11
Acq On : 5 Aug 2010 6:52 am Operator: AR/NP
Sample : S9708 ARO 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:27 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration NP080510
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6843375	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	1963831	5.631 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	28.16%#
10) S 2-Bromonaphthalene	8.45	1312454	4.858 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	24.29%#
11) S o-terphenyl	10.30	1258970	2.810 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	14.05%#
Target Compounds			
2) TZ Naphthalene	6.72	3614591	11.079 ug/ml
3) TZ 2-Methylnaphthalene	7.41	3569589	10.431 ug/ml
4) TZ Acenaphthylene	8.31	3386712	9.927 ug/ml
5) TZ Acenaphthene	8.48	4023382	8.850 ug/ml
6) TZ Fluorene	8.99	3193887	8.964 ug/ml
7) TZ Phenanthrene	9.95	3428407	9.458 ug/ml
8) TZ Anthracene	10.00	3554869	10.062 ug/ml
12) TZ Fluoranthene	11.31	3207107	8.656 ug/ml
13) TZ Pyrene	11.63	3387500	8.812 ug/ml
14) TZ Benzo[a]anthracene	13.85	2671621	8.399 ug/ml
15) TZ Chrysene	13.93	3100817	8.949 ug/ml
16) TZ Benzo[b] fluoranthene	16.19	2187020	7.645 ug/ml
17) TZ Benzo[k] fluoranthene	16.25	2604952	7.672 ug/ml
18) TZ Benzo[a] pyrene	16.88	2267851	8.284 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.20	1624988	7.226 ug/ml
20) TZ Dibenz [a,h] anthracene	19.25	2420977	7.380 ug/ml
21) TZ Benzo(g,h,i) perylene	19.68	2183818	7.140 ug/ml
22) XH c11-c22	11.79	57509639	170.844 ug/ml

Jon 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

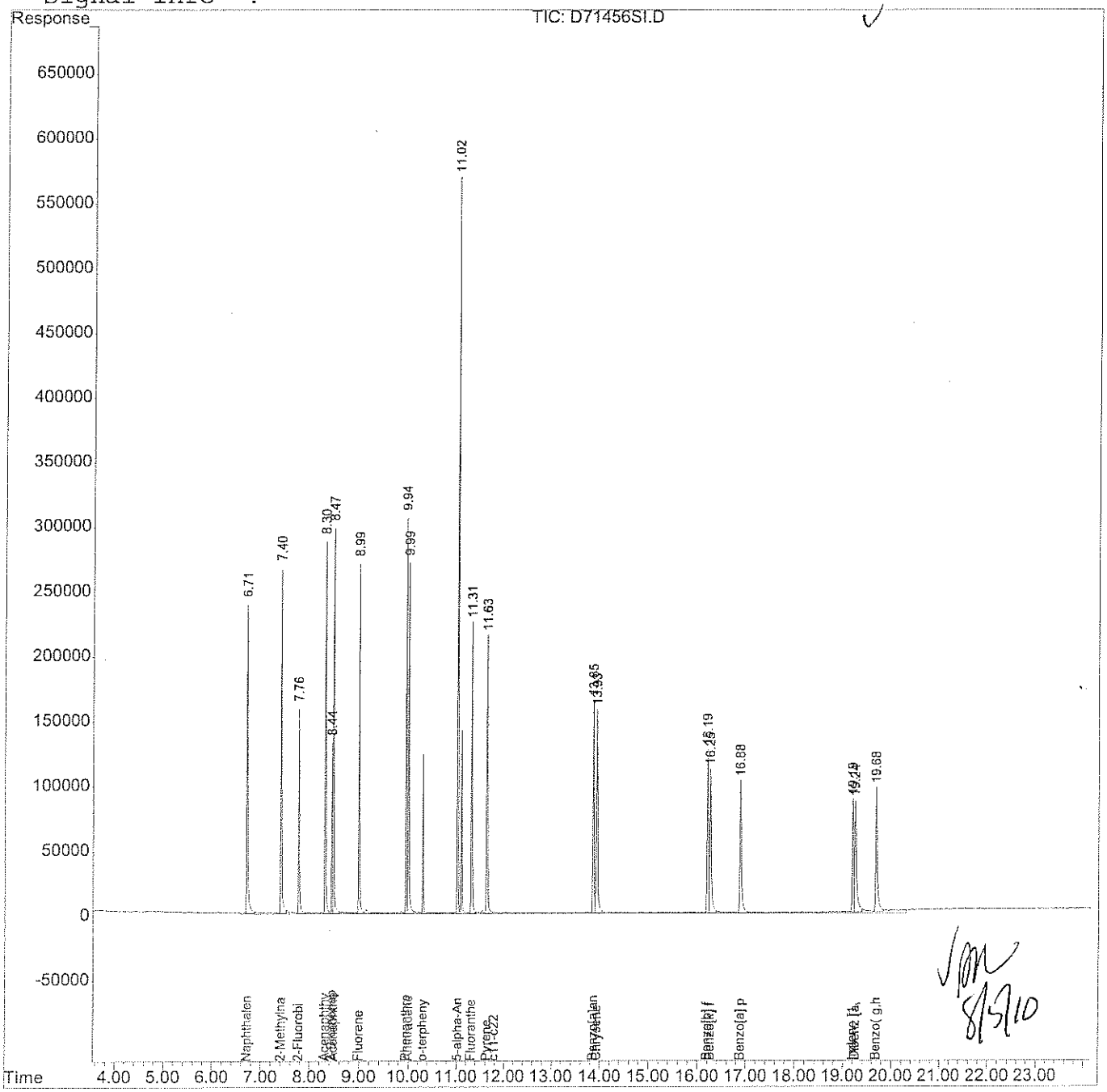
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D Vial: 11
Acq On : 5 Aug 2010 6:52 am Operator: AR/NP
Sample : S9708 ARO 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:27 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NP080510

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D Vial: 12
Acq On : 5 Aug 2010 7:22 am Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:29 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7445706	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	4369326	11.514 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	57.57%
10) S 2-Bromonaphthalene	8.44	3527170	11.999 ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	59.99%
11) S o-terphenyl	10.30	2722720	5.585 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	27.93%#
Target Compounds			
2) TZ Naphthalene	6.71	7785311	21.931 ug/ml
3) TZ 2-Methylnaphthalene	7.41	7649130	20.543 ug/ml
4) TZ Acenaphthylene	8.30	7408549	19.959 ug/ml
5) TZ Acenaphthene	8.47	8560540	18.677 ug/mlm
6) TZ Fluorene	8.99	7235146	18.663 ug/ml
7) TZ Phenanthrene	9.94	7267786	18.427 ug/ml
8) TZ Anthracene	10.00	7431383	19.333 ug/ml
12) TZ Fluoranthene	11.31	7084420	17.574 ug/ml
13) TZ Pyrene	11.63	7519689	17.979 ug/ml
14) TZ Benzo[a]anthracene	13.85	6294247	16.557 ug/ml
15) TZ Chrysene	13.93	7143103	18.948 ug/ml
16) TZ Benzo[b] fluoranthene	16.20	5165084	15.216 ug/ml
17) TZ Benzo[k] fluoranthene	16.25	5985008	15.470 ug/ml
18) TZ Benzo[a] pyrene	16.88	5301530	15.940 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.20	4110683	13.924 ug/ml
20) TZ Dibenz [a,h] anthracene	19.25	5554687	15.563 ug/ml
21) TZ Benzo(g,h,i) perylene	19.69	5324392	14.532 ug/ml
22) XH c11-c22	11.79	122025673	333.176 ug/ml

NP 8/5/10

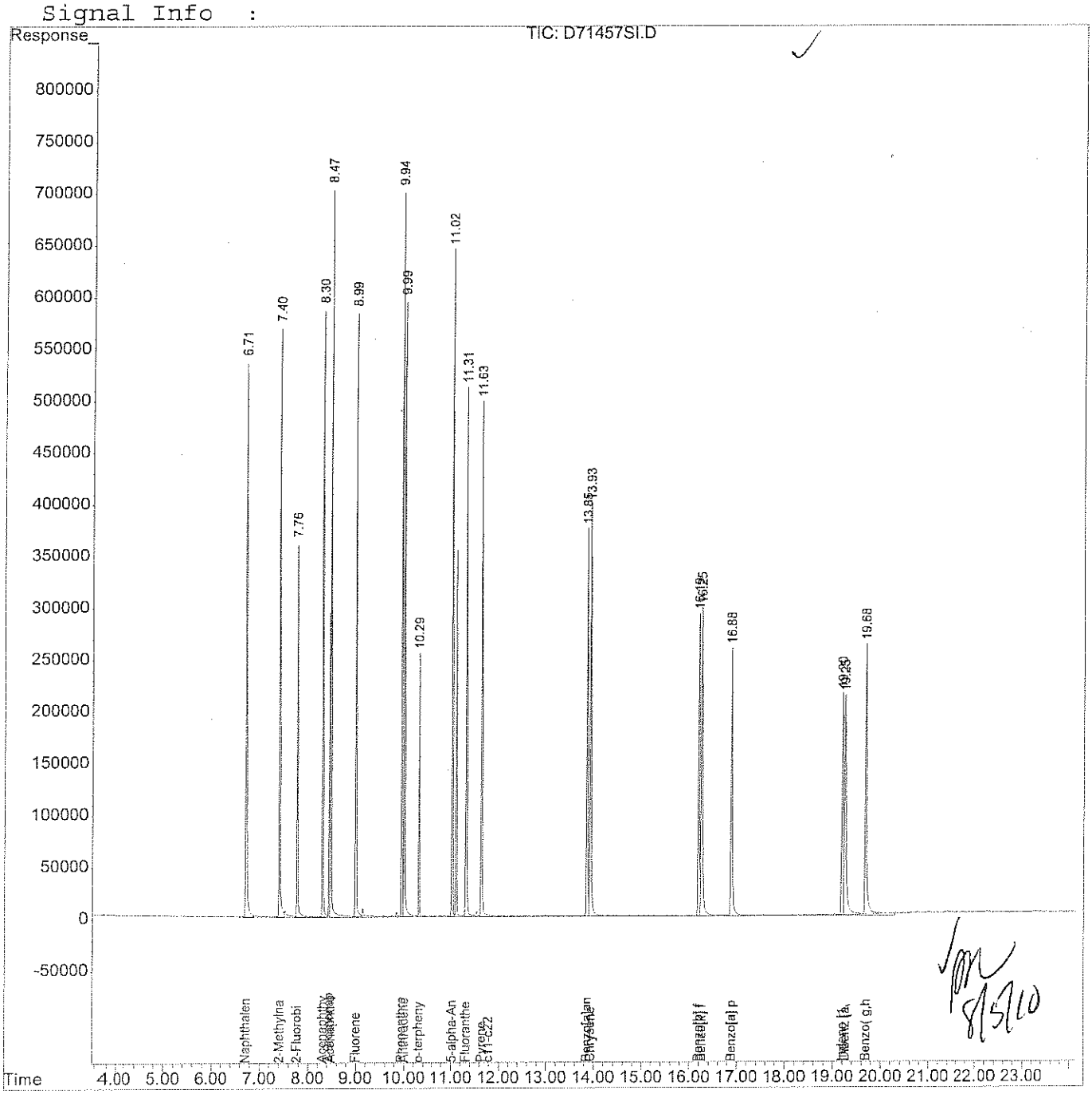
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D Vial: 12
Acq On : 5 Aug 2010 7:22 am Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:29 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration N080510
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

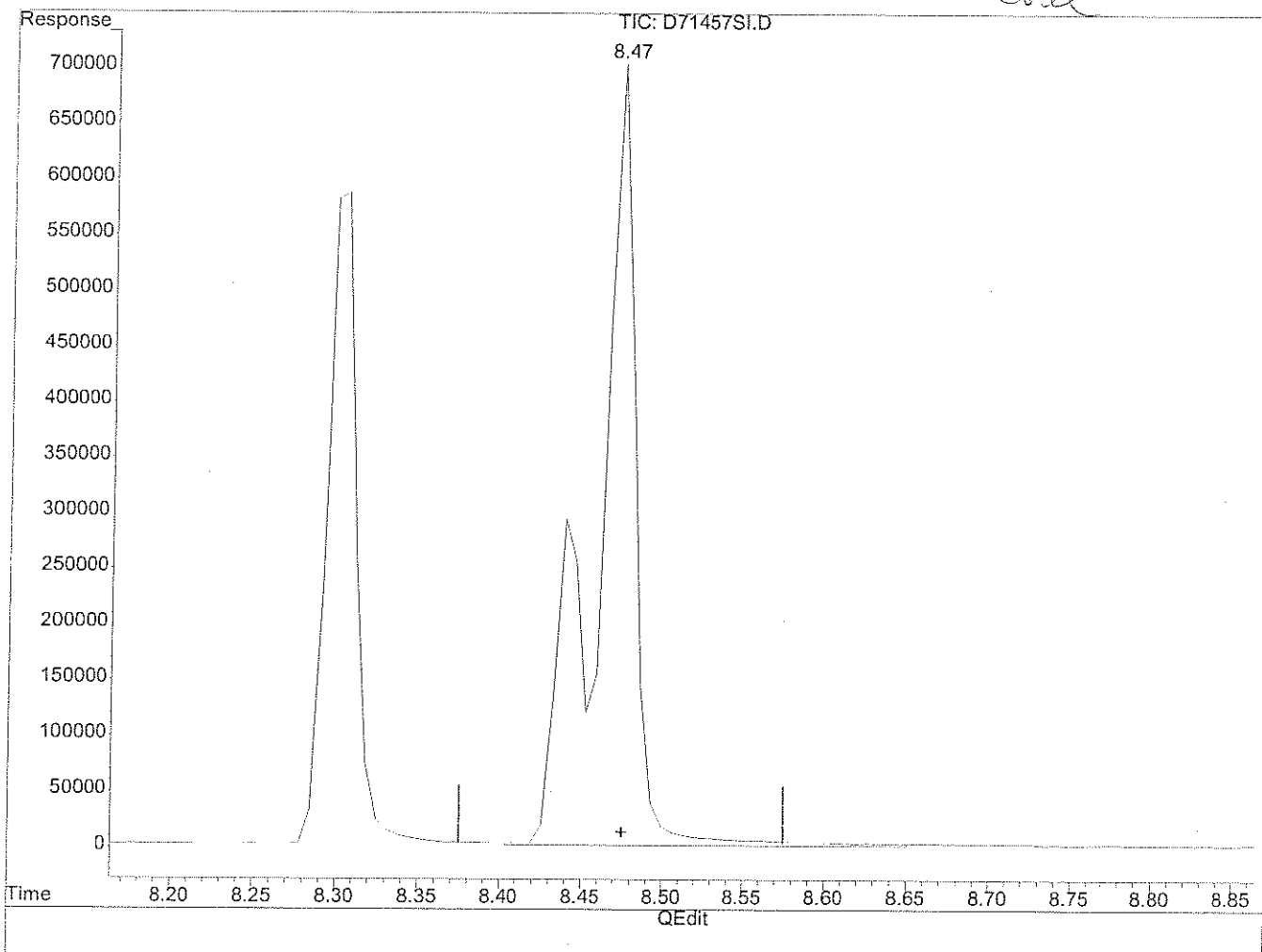
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D
Acq On : 5 Aug 2010 7:22 am
Sample : S9937 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 8:29 2010 Quant Results File: ARG80410.RES

Vial: 12
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration

N080510
Cool



(5) Acenaphthene (TZ)

8.48min 26.135ug/ml

response. 11630549

8/5/10

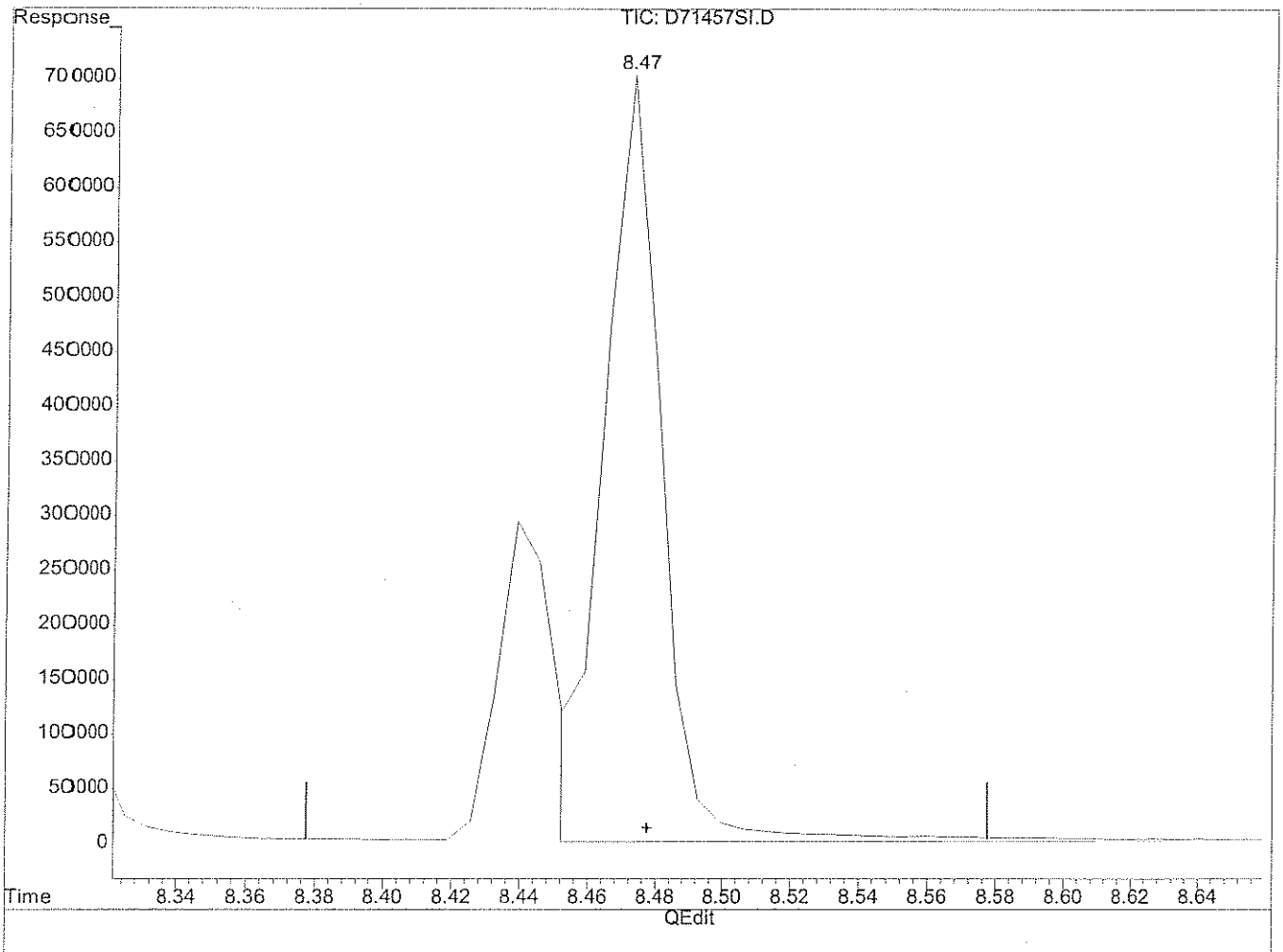
(+) = Expected Retention Time

D71457SI.D ARG80410.M Thu Aug 05 08:32:19 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D Vial: 12
Acq On : 5 Aug 2010 7:22 am Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:27 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010 N080510
Response via : Multiple Level Calibration



(5) Acenaphthene (TZ)

8.47min 18.677ug/ml m

response 8560540

JM 8/5/10

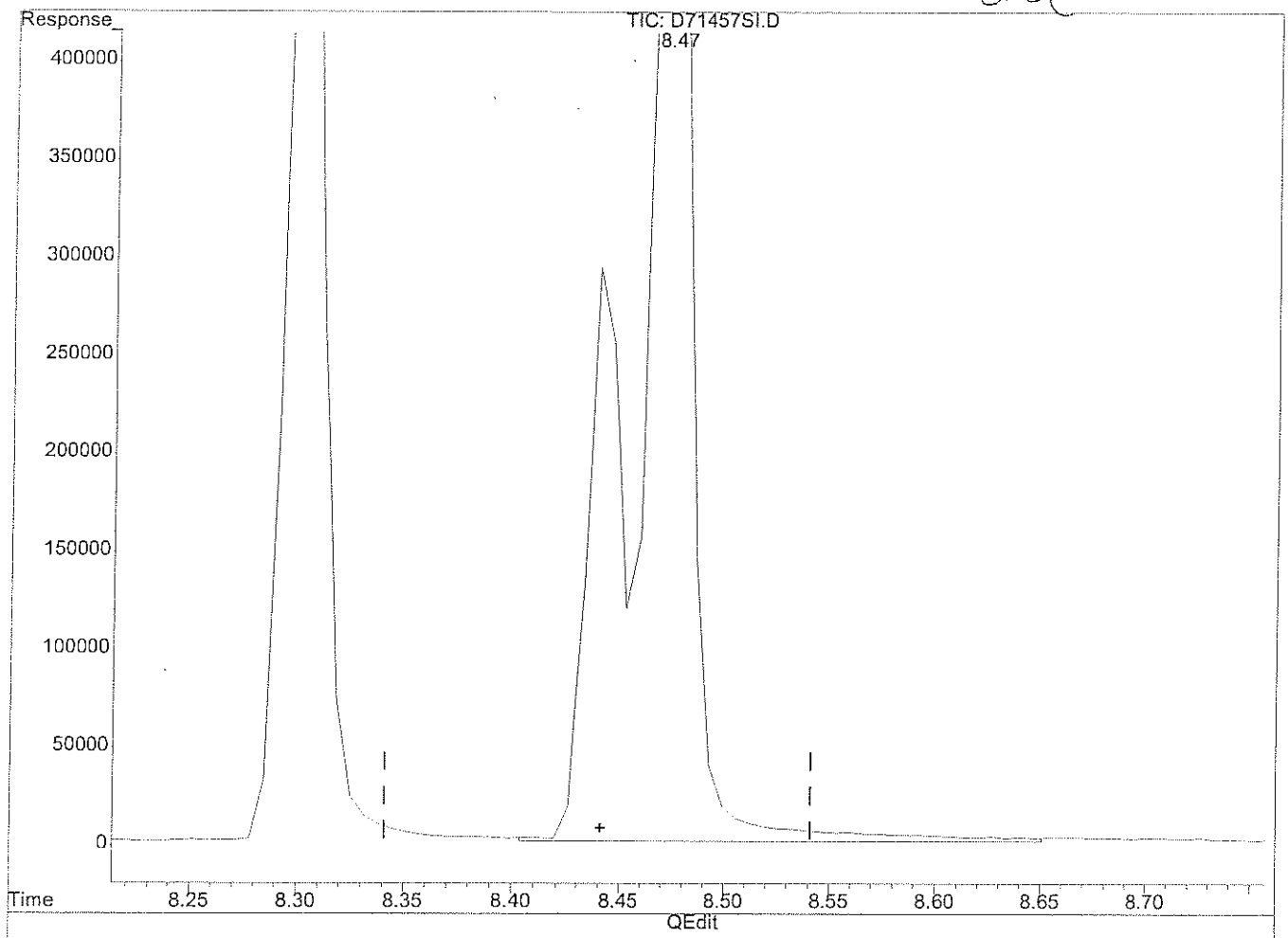
(+) = Expected Retention Time

D71457SI.D ARG80410.M Thu Aug 05 10:28:43 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D Vial: 12
Acq On : 5 Aug 2010 7:22 am Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 8:29 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010 N080510
Response via : Multiple Level Calibration Cnel



(10) 2-Bromonaphthalene (S)

8.48min 39.566ug/ml

response 11630549

VM 8/5/10

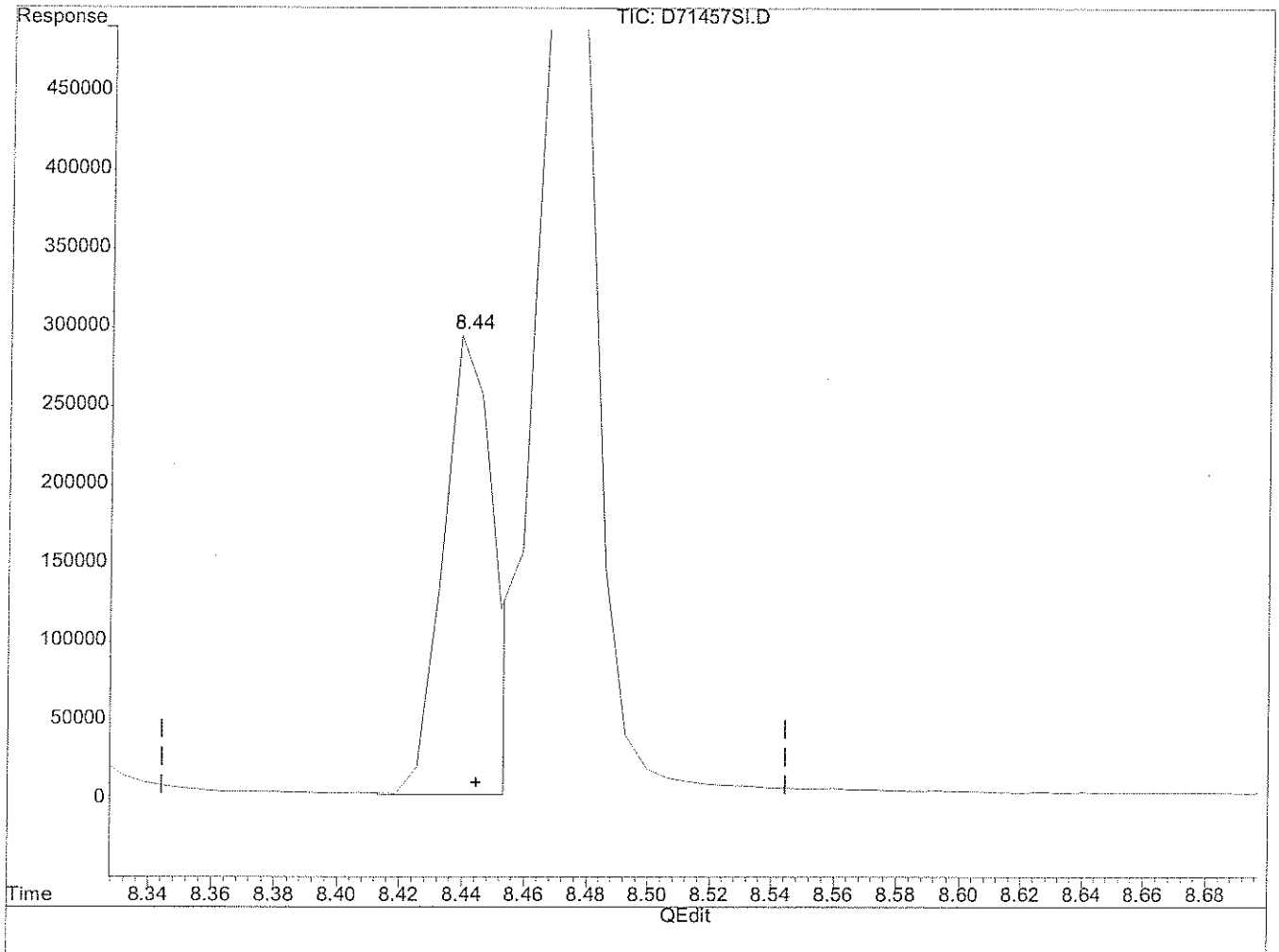
(+) = Expected Retention Time

D71457SI.D ARG80410.M Thu Aug 05 08:29:36 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D Vial: 12
Acq On : 5 Aug 2010 7:22 am Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:27 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010 M-080510
Response via : Multiple Level Calibration



(10) 2-Bromonaphthalene (S)

8.44min 11.999ug/ml m

response 3527170

8/5/10

(+) = Expected Retention Time
D71457SI.D ARG80410.M Thu Aug 05 10:29:03 2010

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71458SI.D Vial: 13
Acq On : 5 Aug 2010 7:53 am Operator: AR/NP
Sample : S9710 ARO 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:30 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N008050

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6487126	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	9857272	29.814 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	149.07%#
10) S 2-Bromonaphthalene	8.44	7613538	29.727 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	148.64%#
11) S o-terphenyl	10.30	6147360	14.473 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	72.36%
Target Compounds			
2) TZ Naphthalene	6.71	17897687	57.868 ug/ml
3) TZ 2-Methylnaphthalene	7.41	17553877	54.110 ug/ml
4) TZ Acenaphthylene	8.31	16495003	51.005 ug/ml
5) TZ Acenaphthene	8.48	18105630	49.818 ug/ml
6) TZ Fluorene	8.99	16163969	47.855 ug/ml
7) TZ Phenanthrene	9.95	17015336	49.517 ug/ml
8) TZ Anthracene	10.00	16972907	50.680 ug/ml
12) TZ Fluoranthene	11.31	16449361	46.835 ug/ml
13) TZ Pyrene	11.64	16671040	45.748 ug/ml
14) TZ Benzo[a]anthracene	13.86	15038552	43.411 ug/ml
15) TZ Chrysene	13.94	16056267	48.884 ug/ml
16) TZ Benzo[b] fluoranthene	16.21	12488203	38.919 ug/ml
17) TZ Benzo[k] fluoranthene	16.27	13412212	38.201 ug/ml
18) TZ Benzo[a] pyrene	16.89	12188856	38.837 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.21	9830491	34.384 ug/ml
20) TZ Dibenz [a,h] anthracene	19.27	11268195	36.237 ug/ml
21) TZ Benzo(g,h,i) perylene	19.70	10556443	32.544 ug/ml
22) XH c11-c22	11.79	271709439	851.493 ug/ml

8/5/10

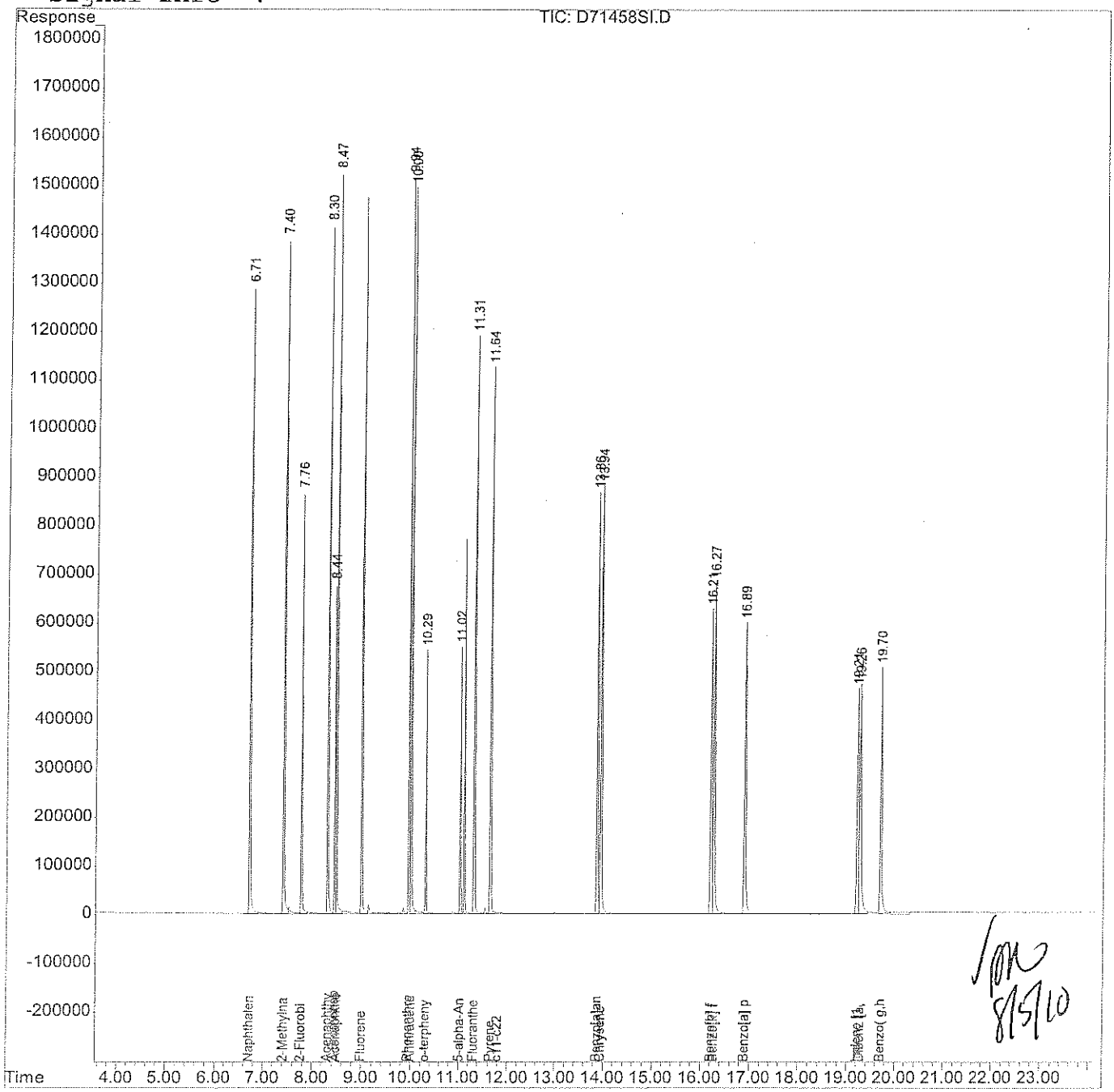
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71458SI.D Vial: 13
Acq On : 5 Aug 2010 7:53 am Operator: AR/NP
Sample : S9710 ARO 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:30 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



D71458SI.D ARG80410.M Thu Aug 05 10:30:53 2010 Page 2

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D Vial: 14
Acq On : 5 Aug 2010 8:23 am Operator: AR/NP
Sample : S9711 ARO 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:31 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N 080510

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6270986	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	19802199	61.957 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	309.79%#
10) S 2-Bromonaphthalene	8.45	15496358	62.592 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	312.96%#
11) S o-terphenyl	10.30	12404922	30.212 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	151.06%#
Target Compounds			
2) TZ Naphthalene	6.72	36788869	123.048 ug/ml
3) TZ 2-Methylnaphthalene	7.41	34123453	108.812 ug/ml
4) TZ Acenaphthylene	8.31	32266565	103.212 ug/ml
5) TZ Acenaphthene	8.48	34855101	115.456 ug/ml
6) TZ Fluorene	9.00	31087340	95.210 ug/ml
7) TZ Phenanthrene	9.95	32306060	97.256 ug/ml
8) TZ Anthracene	10.00	31086329	96.021 ug/ml
12) TZ Fluoranthene	11.32	31754490	93.528 ug/ml
13) TZ Pyrene	11.65	32006396	90.858 ug/ml
14) TZ Benzo[a]anthracene	13.88	29006857	86.948 ug/ml
15) TZ Chrysene	13.96	30399774	95.744 ug/ml
16) TZ Benzo[b] fluoranthene	16.23	24525657	73.934 ug/ml
17) TZ Benzo[k] fluoranthene	16.30	25426889	72.423 ug/ml
18) TZ Benzo[a] pyrene	16.91	23972045	75.241 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.23	17614656	61.743 ug/ml
20) TZ Dibenz [a,h] anthracene	19.29	21653195	72.034 ug/ml
21) TZ Benzo(g,h,i) perylene	19.72	17926112	59.632 ug/ml
22) XH c11-c22	11.79	527012200	1708.495 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

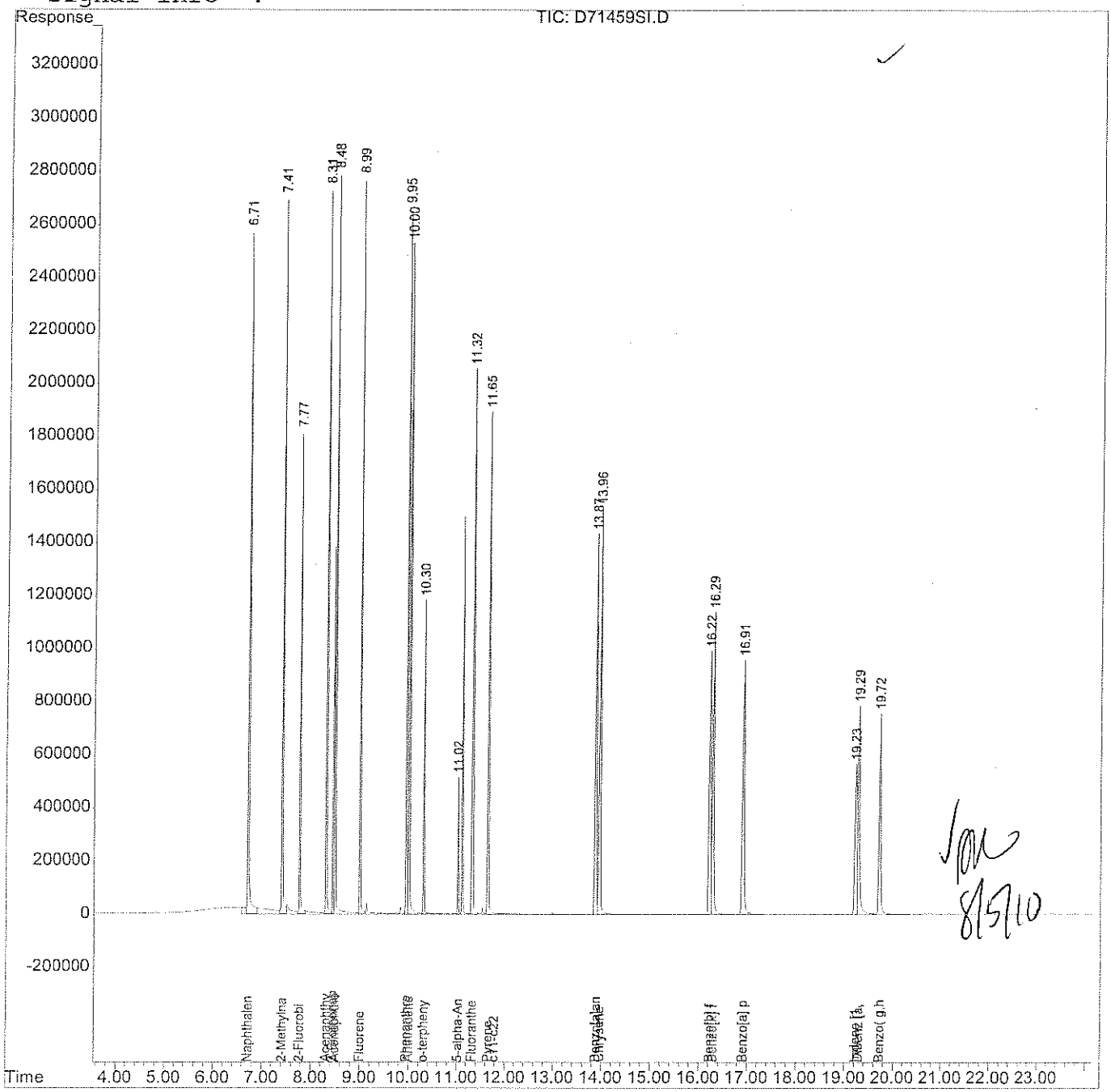
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D Vial: 14
Acq On : 5 Aug 2010 8:23 am Operator: AR/NP
Sample : S9711 ARO 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:31 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NY080510

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

GC AROMATIC
2ND SOURCE
CHECK

Data File Name D71460.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/5/2010 8:53

8/6/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.60	20	108%	OK	21.60		
2-Methylnaphthalene	21.89	20	109%	OK	21.89		
Acenaphthylene	21.51	20	108%	OK	21.51		
Acenaphthene	20.46	20	102%	OK	20.46		
Fluorene	21.82	20	109%	OK	21.82		
Phenanthrene	21.50	20	108%	OK	21.50		
Anthracene	22.09	20	110%	OK	22.09		
Fluoranthene	21.39	20	107%	OK	21.39		
Pyrene	21.75	20	109%	OK	21.75		
Benzo[a]anthracene	19.96	20	100%	OK	19.96		
Chrysene	22.62	20	113%	OK	22.62		
Benzo[b] fluoranthene	19.97	20	100%	OK	19.97		
Benzo[k] fluoranthene	21.06	20	105%	OK	21.06		
Benzo[a] pyrene	22.21	20	111%	OK	22.21		
Indeno [1,2,3-cd] pyrene	20.83	20	104%	OK	20.83		
Dibenz [a,h] anthracene	23.74	20	119%	OK	23.74		
Benzo(g,h,i) perylene	22.43	20	112%	OK	22.43		
c11-c22		340			**366.84**	108%	OK

38960

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D Vial: 15
Acq On : 5 Aug 2010 8:53 am Operator: AR/NP
Sample : S9716 ARO 20 ICV Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 6 0:49 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MK 8/6/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	5726956	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.75	28820	<MDL ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
10) S 2-Bromonaphthalene	8.48	6664153	33.917 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	169.59%#
11) S o-terphenyl	10.30	5897523	21.990 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	109.95%
Target Compounds			
2) TZ Naphthalene	6.71	6663107	21.597 ug/ml
3) TZ 2-Methylnaphthalene	7.41	6534317	21.889 ug/ml
4) TZ Acenaphthylene	8.30	6071585	21.505 ug/ml
5) TZ Acenaphthene	8.48	6664153	20.458 ug/ml
6) TZ Fluorene	8.99	5972809	21.821 ug/ml
7) TZ Phenanthrene	9.95	6048852	21.505 ug/ml
8) TZ Anthracene	10.00	6308057	22.094 ug/ml
12) TZ Fluoranthene	11.31	5933223	21.390 ug/ml
13) TZ Pyrene	11.63	6194682	21.751 ug/ml
14) TZ Benzo[a]anthracene	13.85	5046598	19.965 ug/ml
15) TZ Chrysene	13.93	6019221	22.624 ug/ml
16) TZ Benzo[b] fluoranthene	16.20	4142173	19.967 ug/ml
17) TZ Benzo[k] fluoranthene	16.25	4925636	21.061 ug/ml
18) TZ Benzo[a] pyrene	16.88	4608462	22.214 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.19	3491958	20.832 ug/mlm
20) TZ Dibenz [a,h] anthracene	19.25	4578158	23.742 ug/mlm
21) TZ Benzo(g,h,i) perylene	19.69	4421539	22.428 ug/ml
22) XH c11-c22	11.79	99648860	399.285 ug/ml

08/9/10

(f)=RT Delta > 1/2 Window (m)=manual int.

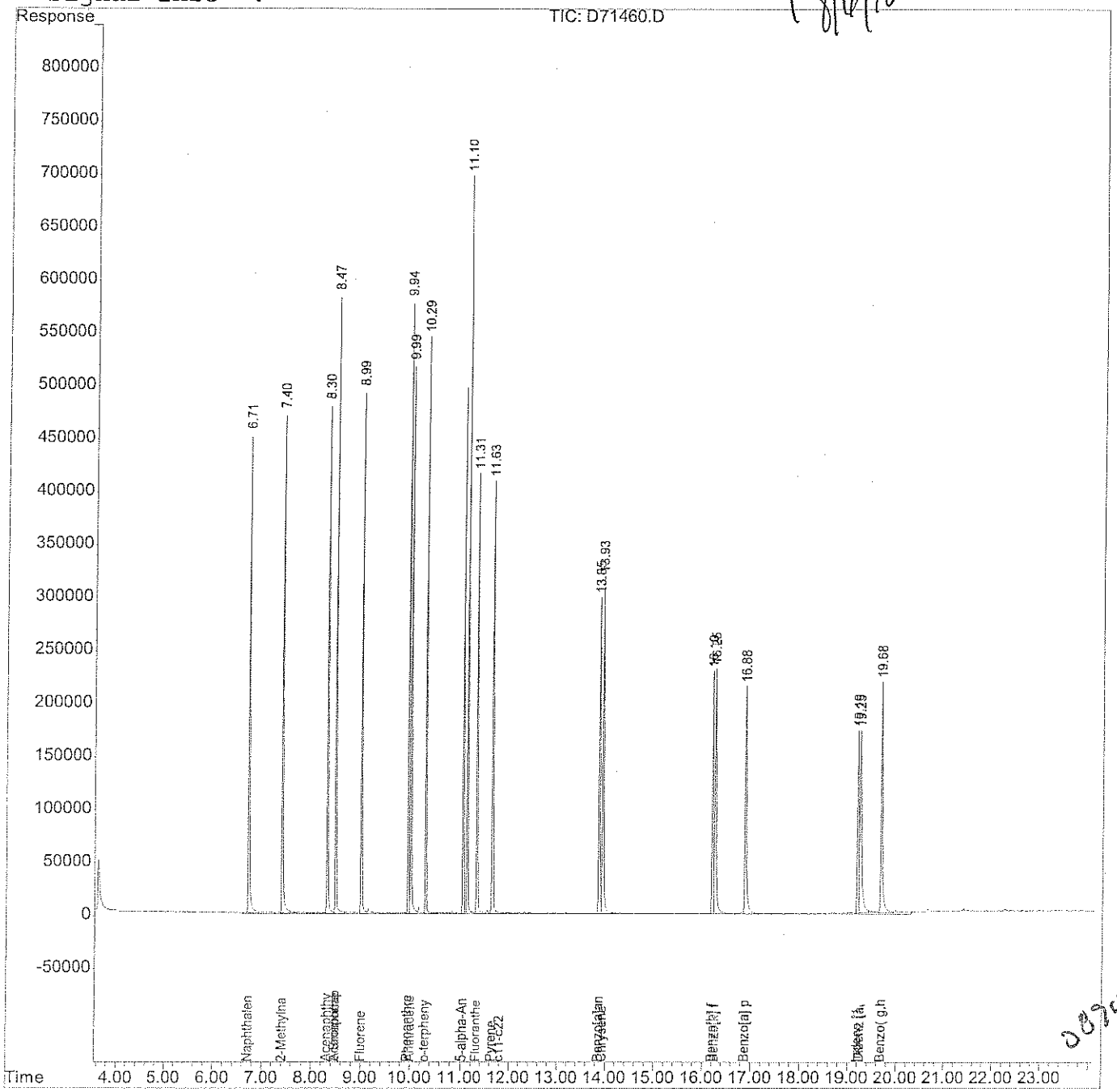
Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D Vial: 15
Acq On : 5 Aug 2010 8:53 am Operator: AR/NP
Sample : S9716 ARO 20 ICV Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 6 0:49 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

8/6/10



D71460.D ARG80410.M Fri Aug 06 00:49:21 2010 Page 2

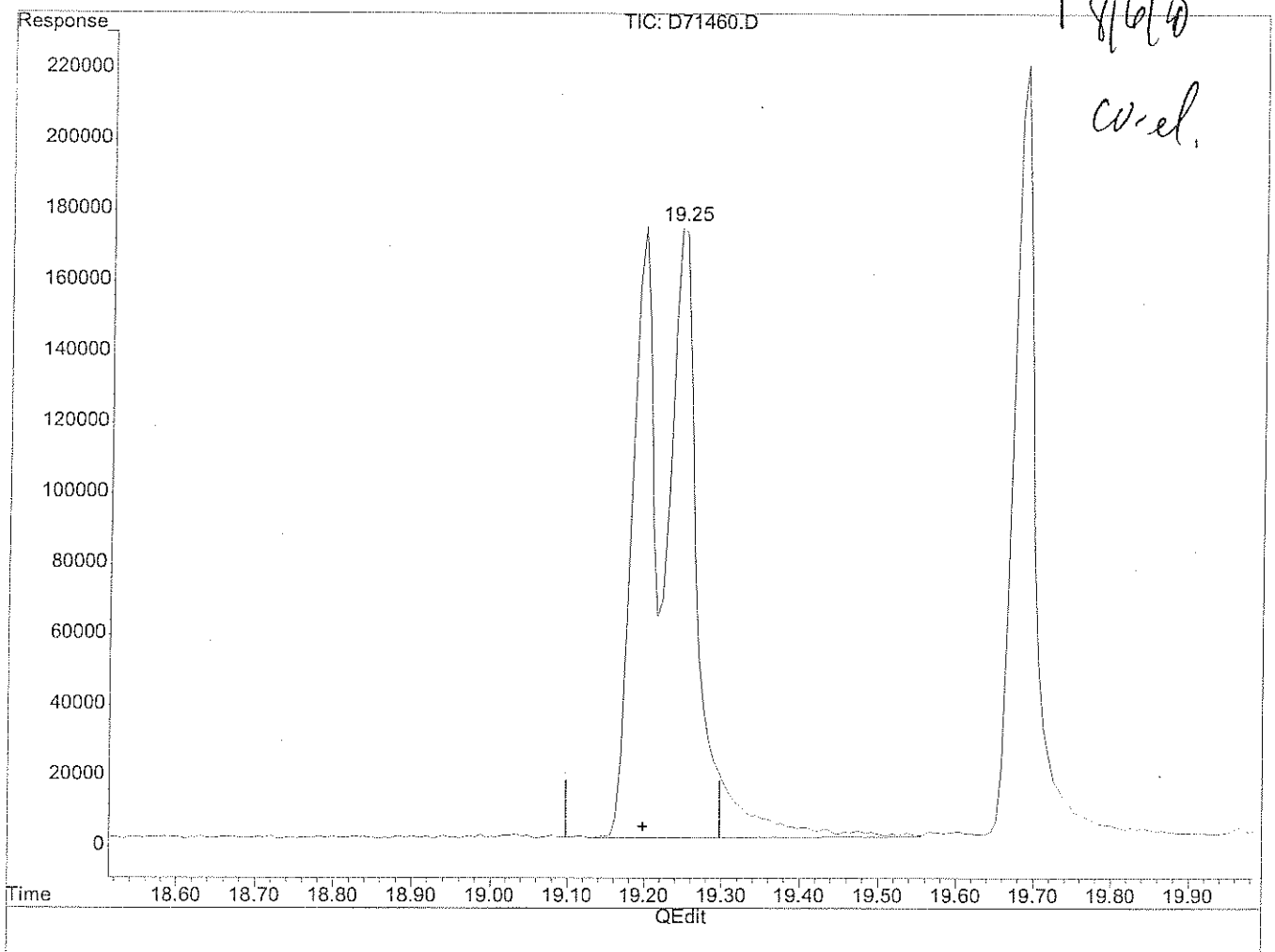
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
IntFile : autoint1.e
Quant Time: Aug 6 0:46 2010 Quant Results File: ARG80410.RES

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Multiple Level Calibration

8/6/10
cv-el.



(19) Indeno [1,2,3-cd] pyrene (TZ)

19.25min 46.749ug/ml

response 7990386

58900

(+) = Expected Retention Time

D71460.D ARG80410.M Fri Aug 06 00:46:51 2010

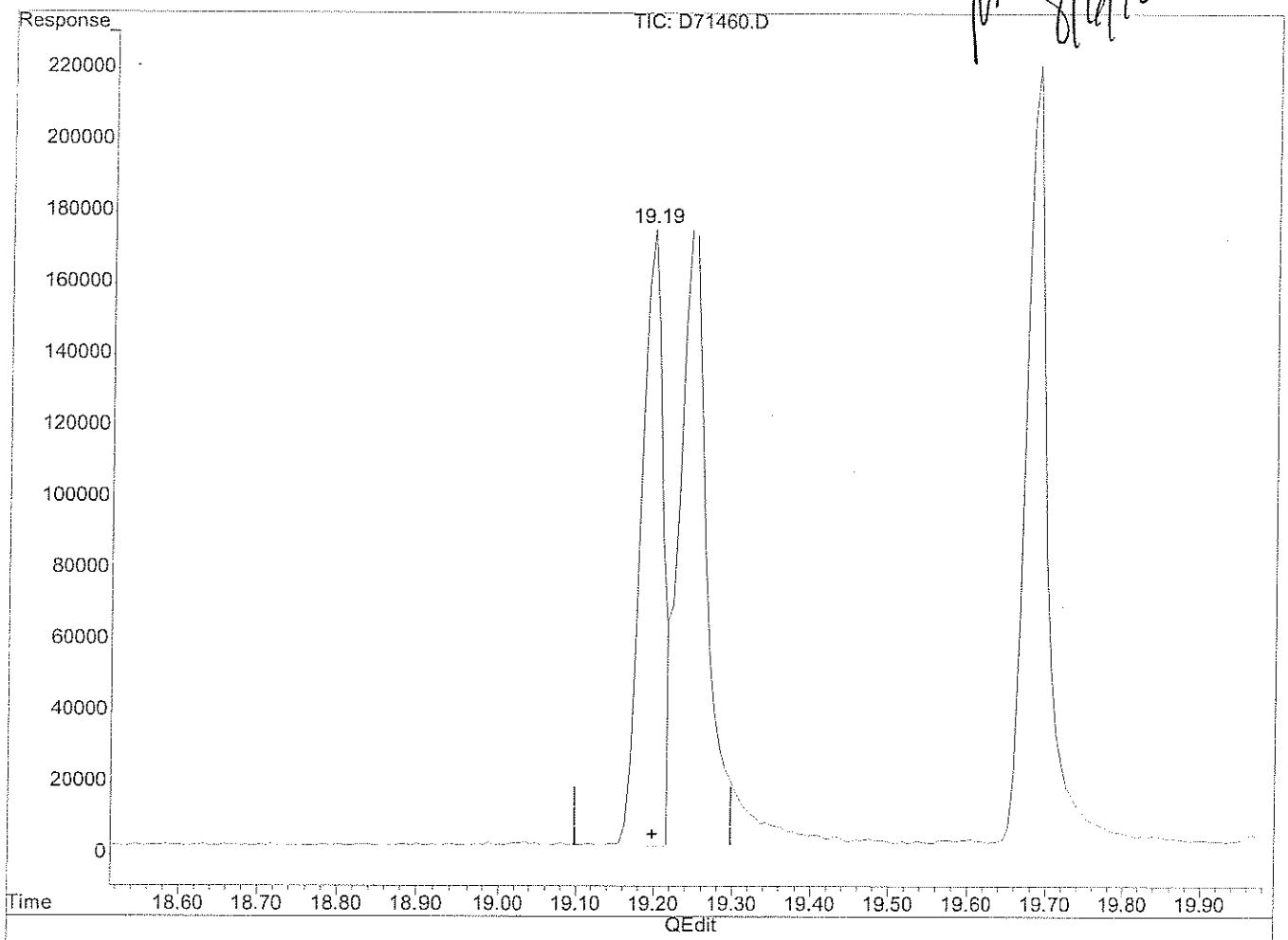
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
IntFile : autoint1.e
Quant Time: Aug 6 0:46 2010 Quant Results File: ARG80410.RES

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Multiple Level Calibration

8/6/10



(19) Indeno [1,2,3-cd] pyrene (TZ)

19.19min 20.832ug/ml m

response 3491958

08/10

(+) = Expected Retention Time

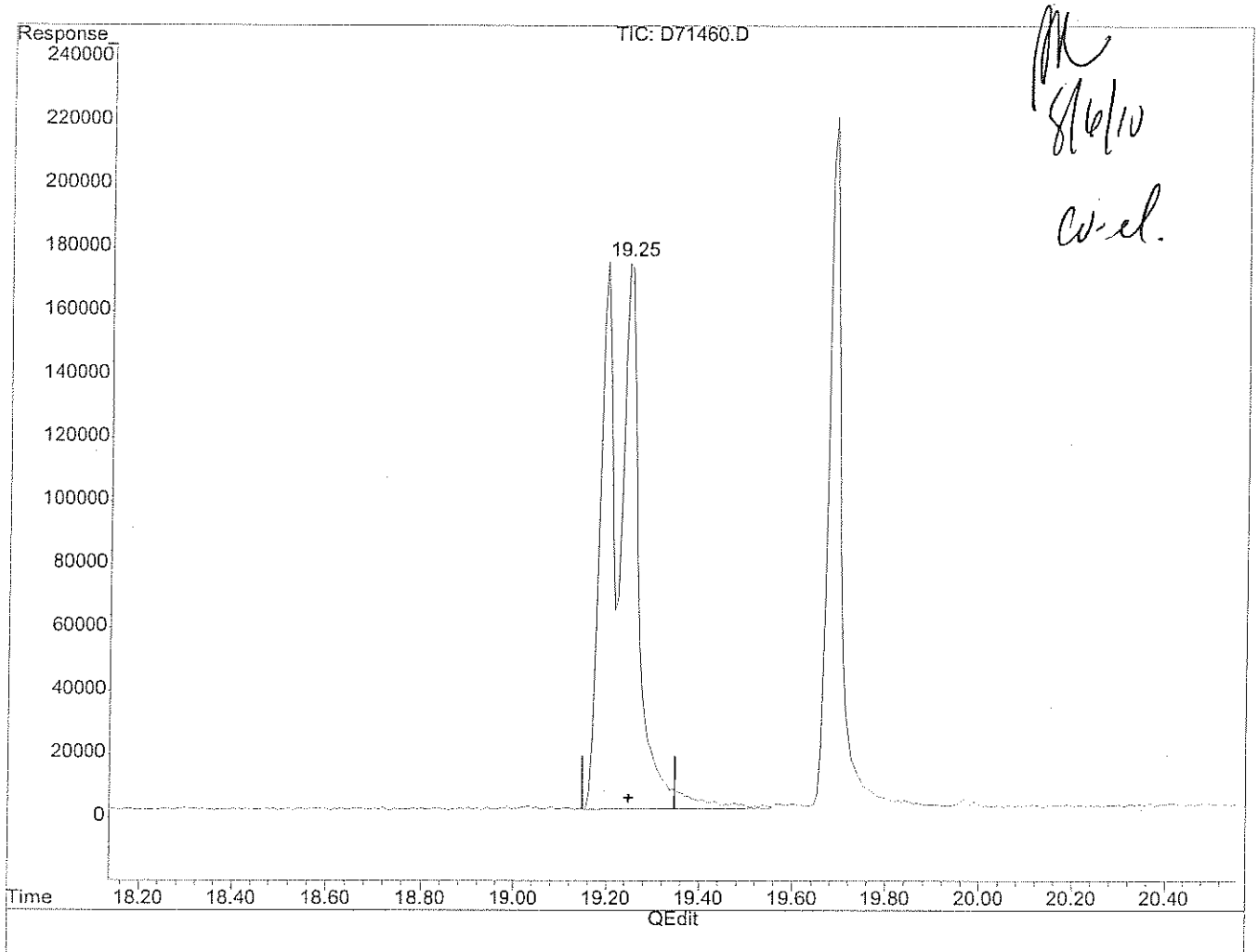
D71460.D ARG80410.M Fri Aug 06 00:47:08 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
IntFile : autoint1.e
Quant Time: Aug 6 0:46 2010 Quant Results File: ARG80410.RES

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Multiple Level Calibration



8/6/10
cw-el.

(20) Dibenz [a,h] anthracene (TZ)

19.25min 41.438ug/ml

response 7990386

08/10

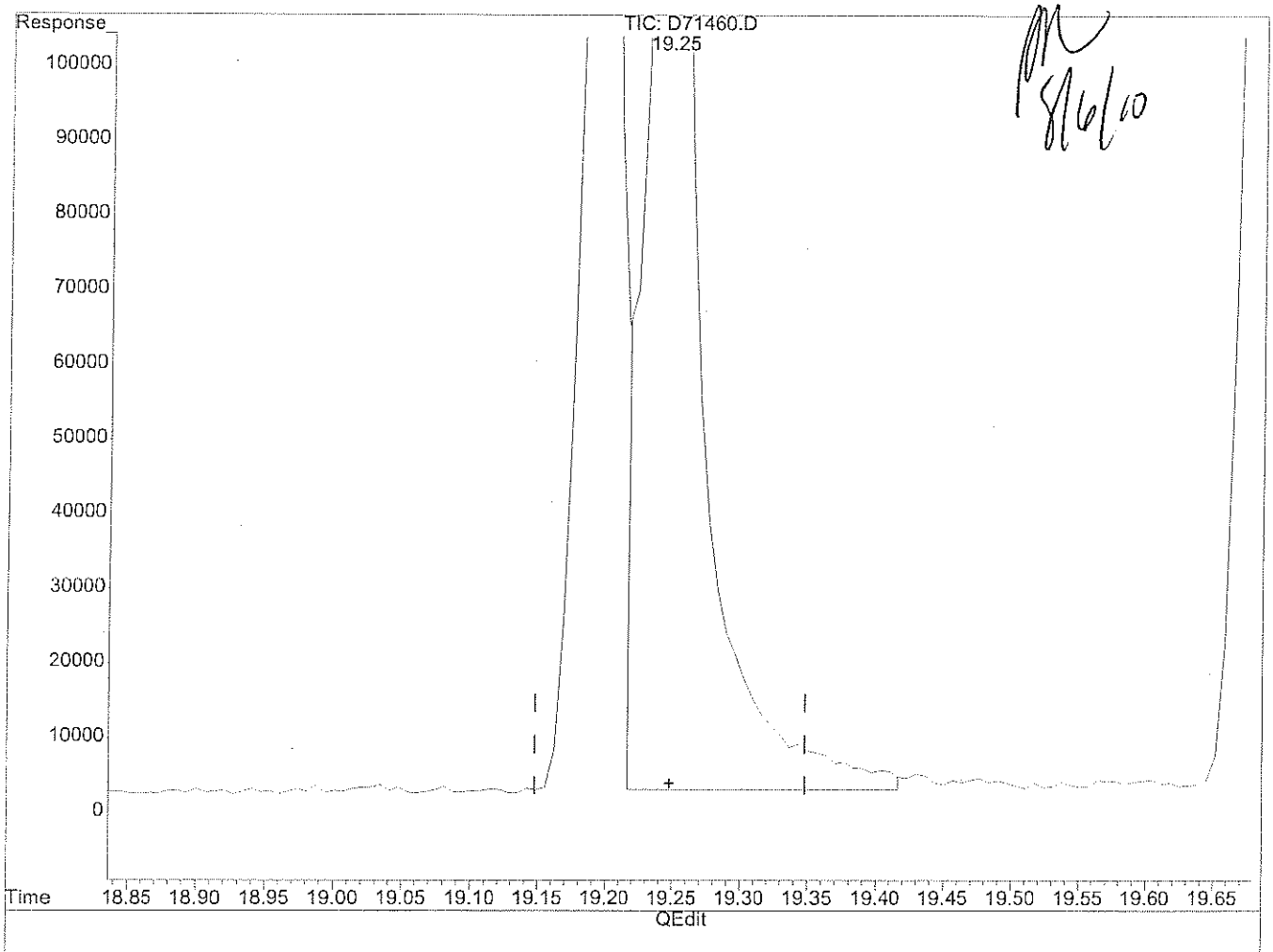
(+) = Expected Retention Time
D71460.D ARG80410.M Fri Aug 06 00:47:12 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
IntFile : autoint1.e
Quant Time: Aug 6 0:47 2010 Quant Results File: ARG80410.RES

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Multiple Level Calibration



8/6/10

(20) Dibenz [a,h] anthracene (TZ)

19.25min 23.742ug/ml m

response 4578158

b 8/9/10

(+) = Expected Retention Time

D71460.D ARG80410.M Fri Aug 06 00:49:14 2010

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71583SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	43.6	9.0	
C-10	41.3	3.3	
C-12	41.0	2.5	
C-14	39.5	1.4	
C-16	39.5	1.3	
C-18	40.2	0.4	
C-19	39.9	0.3	
C-20	39.8	0.5	
1-Chlorooctadecane	16.3	2.0	
C-22	40.6	1.6	
C-24	38.1	4.8	
C-26	37.4	6.5	
C-28	39.5	1.4	
C-30	40.5	1.4	
C-36	39.8	0.4	

C9-C1 8 Aliphatics	245.0	2.1	
C19-C36 Aliphatics	315.6	1.4	

MV
9/12/10

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 291340

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71583SC.D Vial: 2
Acq On : 10 Sep 2010 9:06 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 10 22:38 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.80	5486581	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.89	5495175	16.321 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	81.61%
Target Compounds			
2) TZM C-9	4.03	14855064	43.603 ug/ml
3) TZM C-10	5.02	14402372	41.338 ug/ml
4) TZM C-12	6.50	15344325	41.010 ug/ml
5) TZM C-14	7.67	15138880	39.451 ug/ml
6) TZM C-16	8.69	14629503	39.494 ug/ml
7) TZM C-18	9.61	14793187	40.151 ug/ml
8) XH C9-C18	7.38	98620498	270.705 ug/ml
9) TZM C-19	10.03	14527625	39.862 ug/ml
10) TZM C-20	10.46	14212816	39.793 ug/ml
12) TZM C-22	11.44	14381696	40.646 ug/ml
13) TZM C-24	12.71	12928404	38.068 ug/ml
14) TZM C-26	14.19	11761028	37.389 ug/ml
15) TZM C-28	15.72	10889437	39.450 ug/ml
16) TZM C-30	17.23	10075553	40.543 ug/ml
17) TZM C-36	21.26	7824506	39.846 ug/ml
18) XH C19-C36	11.90	110079582	364.169 ug/ml

J91360

(f)=RT Delta > 1/2 Window (m)=manual int.

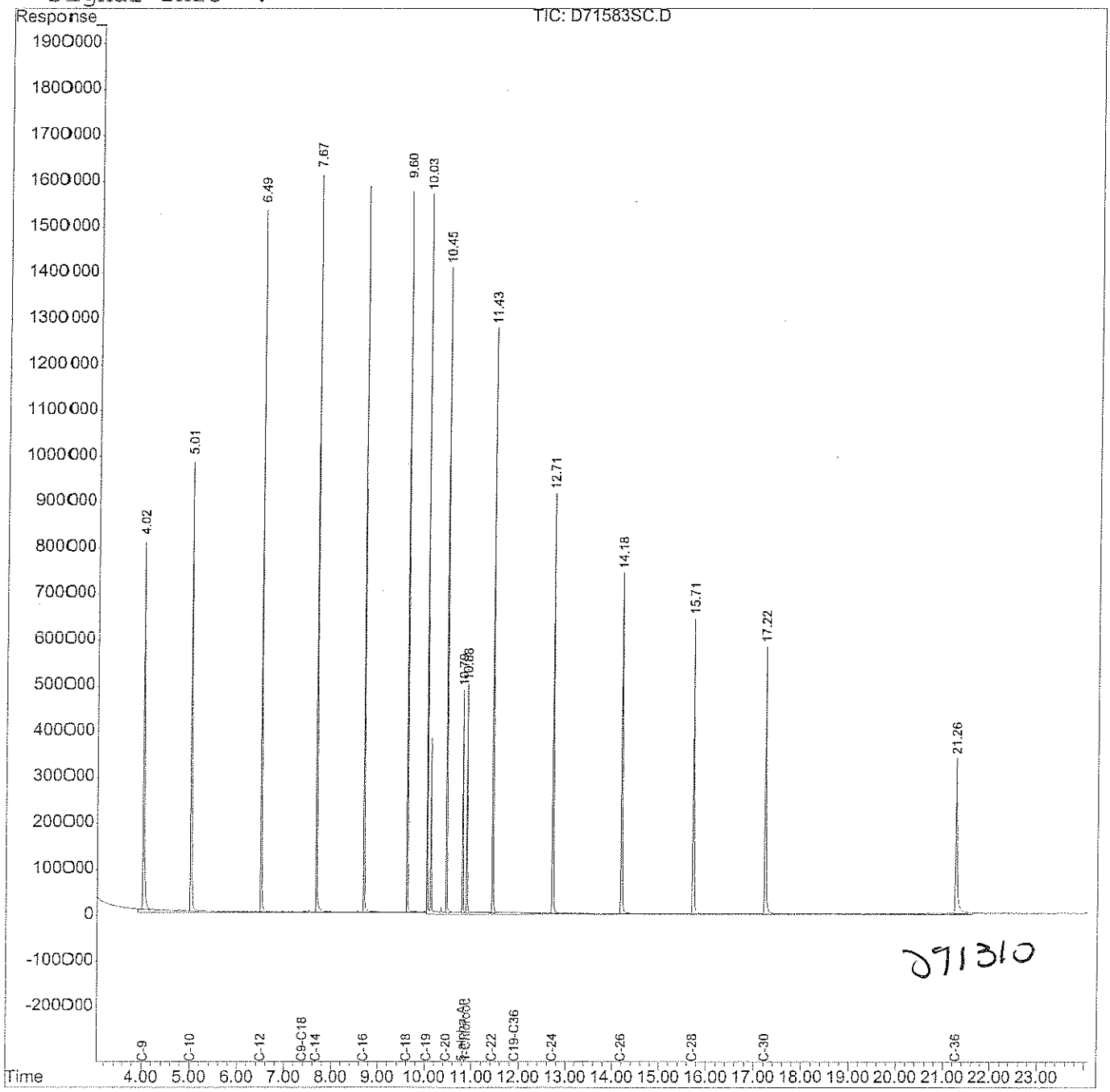
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71583SC.D Vial: 2
Acq On : 10 Sep 2010 9:06 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 10 22:38 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



091310

EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

MN 9/12/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: D71584SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	22.0	10.2	
2-Methylnaphthalene	21.2	5.9	
Acenaphthylene	21.6	7.9	
Acenaphthene	20.9	4.5	
Fluorene	21.7	8.6	
Phenanthrene	22.9	14.7	
Anthracene	21.9	9.4	
2-Fluorobiphenyl	13.1	9.0	
2-Bromonaphthalene	13.6	13.1	
o-terphenyl	9.4	17.7	
Fluoranthene	21.9	9.4	
Pyrene	22.1	10.3	
Benzo[a]anthracene	22.0	10.2	
Chrysene	21.0	5.1	
Benzo[b] fluoranthene	20.8	3.9	
Benzo[k] fluoranthene	21.6	8.1	
Benzo[a] pyrene	21.1	5.7	
Indeno [1,2,3-cd] pyrene	21.6	8.2	
Dibenz [a,h] anthracene	21.3	6.5	
Benzo(g,h,i) perylene	22.7	13.4	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 091310

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71584SC.D Vial: 3
Acq On : 10 Sep 2010 9:36 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 10 22:39 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

MV 9/14/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	30887	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.59	172	106874	13.08	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 65.40%			
10) 2-Bromonaphthalene	8.26	206	45943	13.57	ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 67.85%			
11) o-terphenyl	10.11	230	45058	9.42	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 47.10%			

Target Compounds						Qvalue
2) Naphthalene	6.53	128	274724	22.05	ug/ml	99
3) 2-Methylnaphthalene	7.23	141	143864	21.18	ug/ml	99
4) Acenaphthylene	8.12	152	253051	21.58	ug/ml	100
5) Acenaphthene	8.30	154	136798	20.90	ug/ml	99
6) Fluorene	8.81	166	165112	21.71	ug/ml	99
7) Phenanthrene	9.76	178	235174	22.95	ug/ml	99
8) Anthracene	9.81	178	233419	21.89	ug/ml	100
12) Fluoranthene	11.07	202	233473	21.89	ug/ml	100
13) Pyrene	11.38	202	241615	22.05	ug/ml	99
14) Benzo[a]anthracene	13.53	228	185526	22.05	ug/ml	98
15) Chrysene	13.60	228	186732	21.02	ug/ml	99
16) Benzo[b] fluoranthene	15.85	252	153660	20.78	ug/ml	99
17) Benzo[k] fluoranthene	15.90	252	163276	21.61	ug/ml	99
18) Benzo[a] pyrene	16.52	252	146898	21.14	ug/ml	99
19) Indeno [1,2,3-cd] pyrene	18.82	276	121386	21.65	ug/ml	97
20) Dibenz [a,h] anthracene	18.87	278	121853	21.29	ug/ml	98
21) Benzo(g,h,i) perylene	19.32	276	141141	22.69	ug/ml	98

D91310

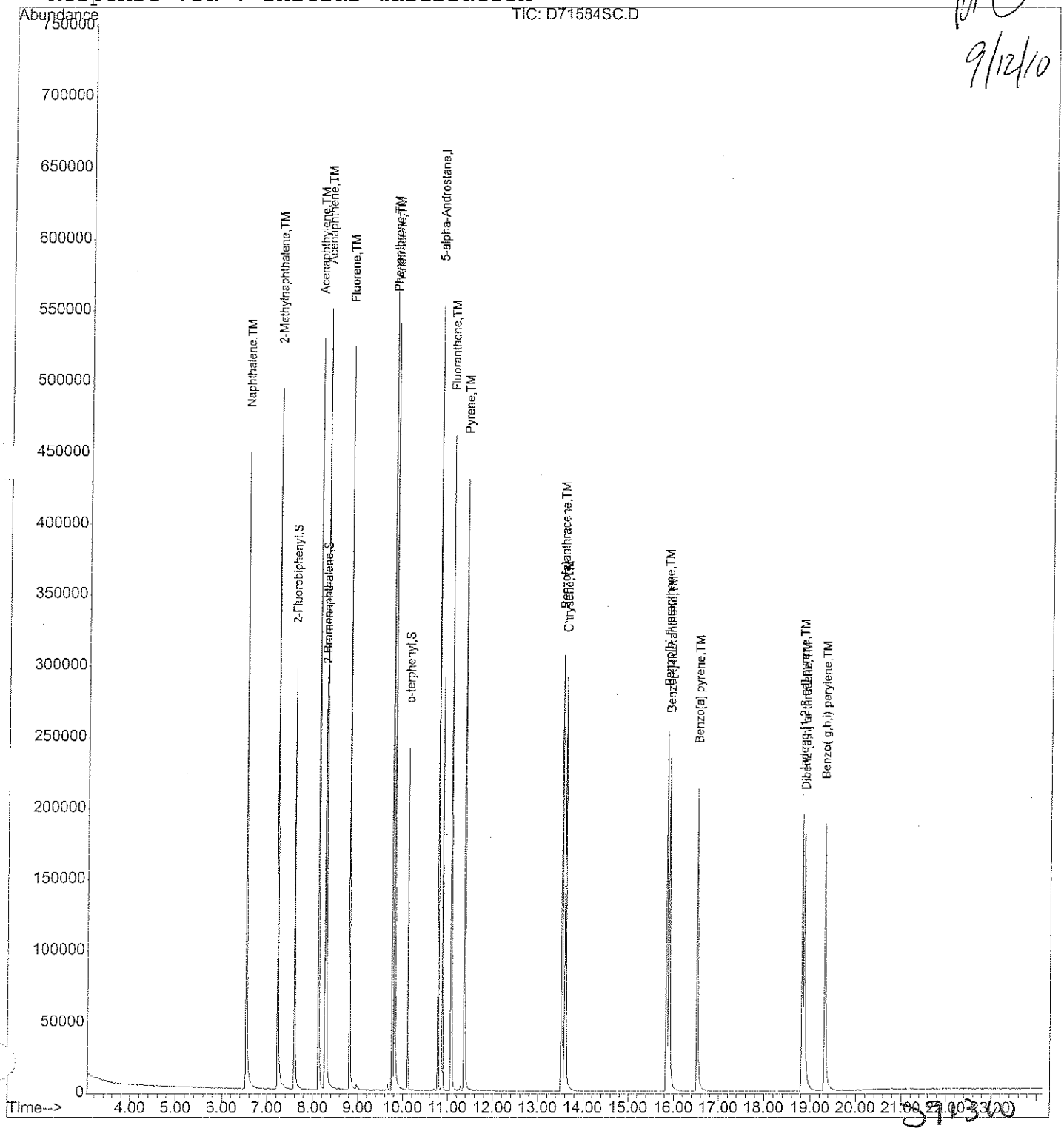
(#) = qualifier out of range (m) = manual integration
D71584SC.D ARM80410.M Sat Sep 11 05:15:51 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71584SC.D Vial: 3
Acq On : 10 Sep 2010 9:36 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 10 22:39 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration

9/12/10



D71584SC.D ARM80410.M Sat Sep 11 05:15:52 2010 Page 2

GC AROMATIC CONT CALIBRATION CHECK

Data File Name D71584SC.D
Sample Name S10041 ARO 20
Date Acquired 9/10/2010 9:36

9/12/10

Name	Amount	UG/L EXPECTED	% DIFFERENCE	LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	21.46	20	7	20	OK	21.46		
2-Methylnaphthalene	20.51	20	3	20	OK	20.51		
Acenaphthylene	21.09	20	5	20	OK	21.09		
Acenaphthene	20.77	20	4	20	OK	20.77		
Fluorene	21.28	20	6	20	OK	21.28		
Phenanthrene	22.09	20	10	20	OK	22.09		
Anthracene	22.10	20	11	20	OK	22.10		
Fluoranthene	21.14	20	6	20	OK	21.14		
Pyrene	21.45	20	7	20	OK	21.45		
Benzo[a]anthracene	19.90	20	1	20	OK	19.90		
Chrysene	20.63	20	3	20	OK	20.63		
Benzo[b] fluoranthene	20.34	20	2	20	OK	20.34		
Benzo[k] fluoranthene	20.12	20	1	20	OK	20.12		
Benzo[a] pyrene	19.76	20	1	20	OK	19.76		
Indeno [1,2,3-cd] pyrene	20.39	20	2	20	OK	20.39		
Dibenz [a,h] anthracene	22.10	20	10	20	OK	22.10		
Benzo(g,h,i) perylene	20.84	20	4	20	OK	20.84		
c11-c22		340				**355.97**	105%	OK

S91310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71584SC.D Vial: 3
Acq On : 10 Sep 2010 9:36 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 11 5:19 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5867542	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	3588649	12.395 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	61.98%
10) S 2-Bromonaphthalene	8.27	2678580	13.306 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	66.53%
11) S o-terphenyl	10.11	2418641	8.802 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	44.01%
Target Compounds			
2) TZ Naphthalene	6.54	6782494	21.457 ug/ml
3) TZ 2-Methylnaphthalene	7.23	6271681	20.506 ug/ml
4) TZ Acenaphthylene	8.13	6099704	21.087 ug/ml
5) TZ Acenaphthene	8.30	6930124	20.773 ug/ml
6) TZ Fluorene	8.81	5968928	21.285 ug/ml
7) TZ Phenanthrene	9.76	6365044	22.086 ug/ml
8) TZ Anthracene	9.81	6465941	22.105 ug/ml
12) TZ Fluoranthene	11.07	6007079	21.137 ug/ml
13) TZ Pyrene	11.38	6258688	21.450 ug/ml
14) TZ Benzo[a]anthracene	13.53	5152161	19.898 ug/ml
15) TZ Chrysene	13.60	5622990	20.628 ug/ml
16) TZ Benzo[b] fluoranthene	15.85	4329043	20.340 ug/ml
17) TZ Benzo[k] fluoranthene	15.90	4816072	20.123 ug/ml
18) TZ Benzo[a] pyrene	16.53	4172628	19.759 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.82	3496371	20.393 ug/ml
20) TZ Dibenz [a,h] anthracene	18.87	4365350	22.096 ug/ml
21) TZ Benzo(g,h,i) perylene	19.32	4214633	20.845 ug/ml
22) XH c11-c22	11.73	100059114	391.322 ug/ml

091310

(f)=RT Delta > 1/2 Window (m)=manual int.

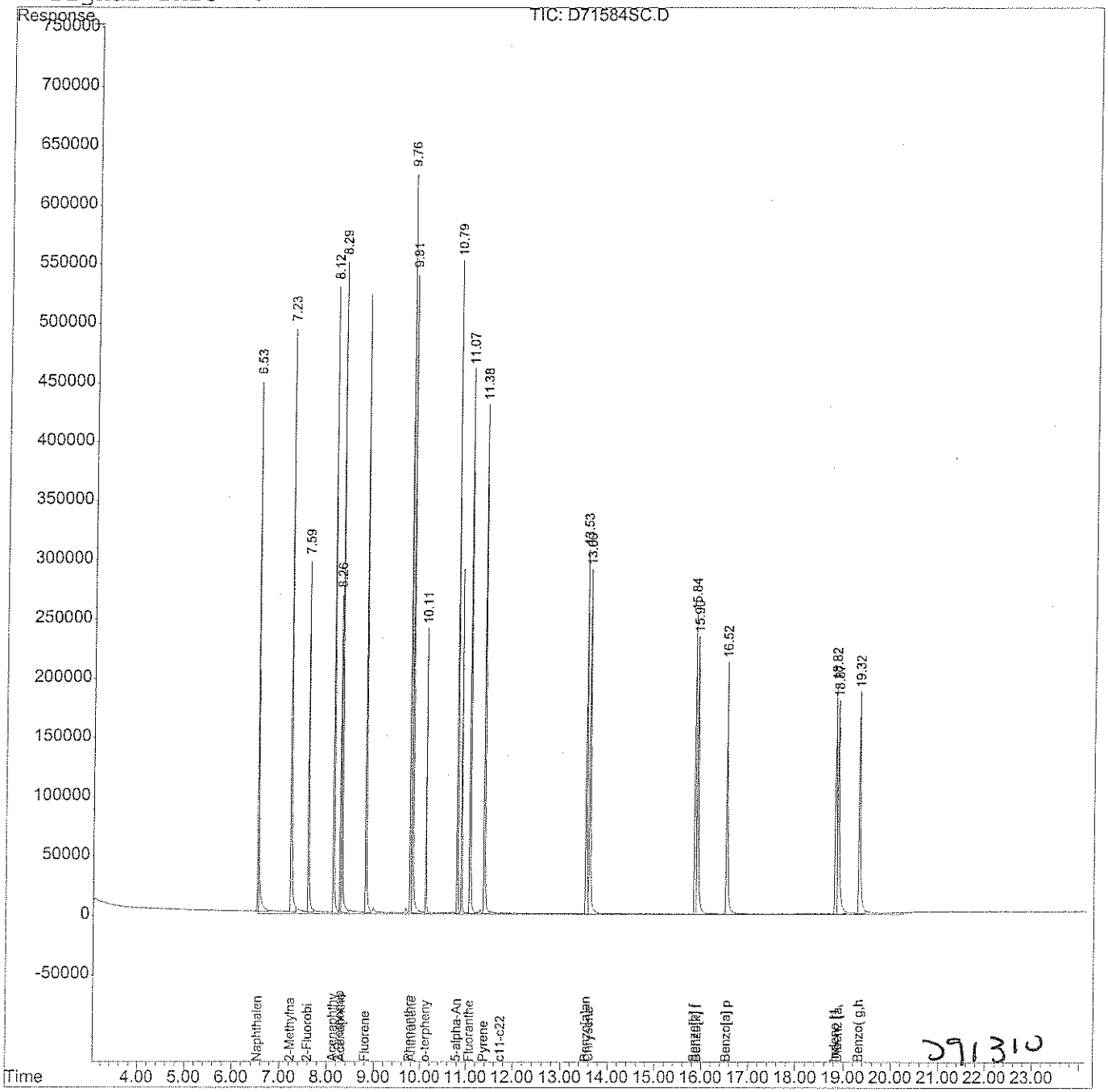
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71584SC.D Vial: 3
Acq On : 10 Sep 2010 9:36 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 11 5:19 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



291310

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

9/12/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71600SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.8	5.4	
C-10	39.2	1.9	
C-12	37.5	6.2	
C-14	37.6	5.9	
C-16	38.3	4.4	
C-18	37.1	7.3	
C-19	38.1	4.8	
C-20	38.2	4.4	
1-Chlorooctadecane	15.8	1.1	
C-22	36.5	8.6	
C-24	36.8	8.1	
C-26	38.3	4.3	
C-28	37.8	5.6	
C-30	40.6	1.4	
C-36	43.8	9.5	

C9-C18 Aliphatics	227.6	5.2	
C19-C36 Aliphatics	310.0	3.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 291310

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71600SC.D Vial: 2
Acq On : 11 Sep 2010 5:42 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 12:08 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	6225376	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	6044002	15.821 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.11%
Target Compounds			
2) TZM C-9	4.02	14627102	37.839 ug/ml
3) TZM C-10	5.01	15514715	39.246 ug/ml
4) TZM C-12	6.49	15932713	37.529 ug/ml
5) TZM C-14	7.67	16389703	37.642 ug/ml
6) TZM C-16	8.69	16078303	38.254 ug/ml
7) TZM C-18	9.60	15498796	37.074 ug/ml
8) XH C9-C18	7.38	105303003	254.745 ug/ml
9) TZM C-19	10.03	15743247	38.071 ug/ml
10) TZM C-20	10.45	15490477	38.223 ug/ml
12) TZM C-22	11.43	14671232	36.543 ug/ml
13) TZM C-24	12.71	14162999	36.754 ug/ml
14) TZM C-26	14.18	13662838	38.280 ug/ml
15) TZM C-28	15.71	11829879	37.771 ug/ml
16) TZM C-30	17.22	11435189	40.554 ug/ml
17) TZM C-36	21.26	9944284	43.817 ug/ml
18) XH C19-C36	11.90	120264007	350.645 ug/ml

J91310

(f)=RT Delta > 1/2 Window (m)=manual int.

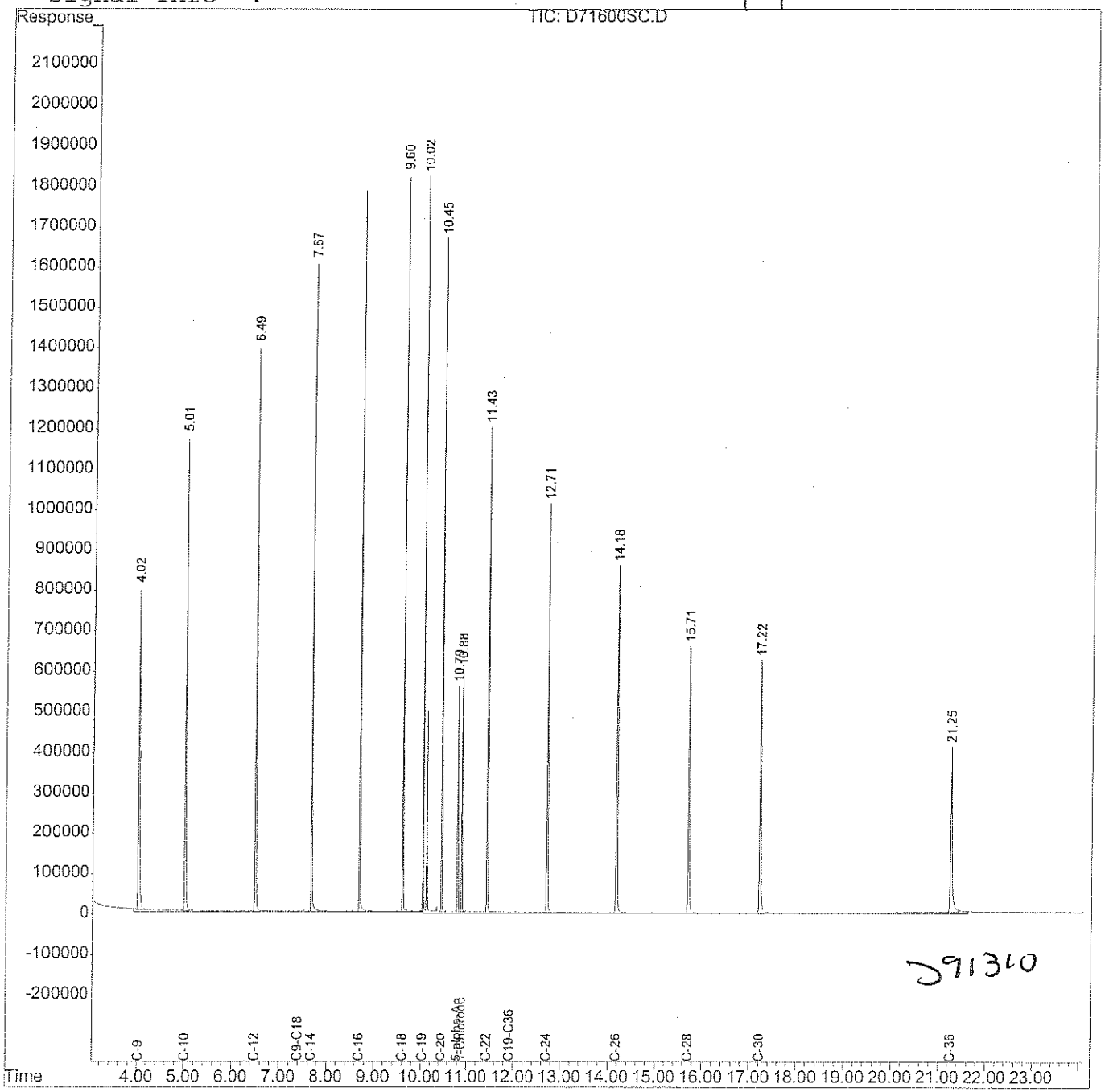
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71600SC.D Vial: 2
Acq On : 11 Sep 2010 5:42 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 12:08 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

AR 9/12/10



J91310

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

9/12/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: D71601SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	22.1	10.6	
2-Methylnaphthalene	21.2	6.0	
Acenaphthylene	22.1	10.7	
Acenaphthene	21.3	6.7	
Fluorene	22.3	11.6	
Phenanthrene	22.6	12.8	
Anthracene	22.0	9.8	
2-Fluorobiphenyl	12.9	7.6	
2-Bromonaphthalene	13.1	8.9	
o-terphenyl	9.3	15.8	
Fluoranthene	21.4	6.8	
Pyrene	22.7	13.7	
Benzo[a]anthracene	22.1	10.5	
Chrysene	21.4	7.0	
Benzo[b] fluoranthene	20.9	4.5	
Benzo[k] fluoranthene	22.6	12.8	
Benzo[a] pyrene	20.5	2.4	
Indeno [1,2,3-cd] pyrene	22.5	12.6	
Dibenz [a,h] anthracene	22.6	13.2	
Benzo(g,h,i) perylene	22.4	12.0	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 291310

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71601SC.D Vial: 3
Acq On : 11 Sep 2010 6:34 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Sep 12 12:09 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	33103	20.00 ug/ml	-0.01
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.59	172	113031	12.91 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 64.55%		
10) 2-Bromonaphthalene	8.26	206	47392	13.06 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 65.30%		
11) o-terphenyl	10.10	230	47511	9.27 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 46.35%		

Target Compounds					Qvalue
2) Naphthalene	6.53	128	295345	22.12 ug/ml	99
3) 2-Methylnaphthalene	7.22	141	154337	21.21 ug/ml	98
4) Acenaphthylene	8.12	152	278262	22.14 ug/ml	100
5) Acenaphthene	8.29	154	149637	21.33 ug/ml	99
6) Fluorene	8.81	166	181973	22.33 ug/ml	99
7) Phenanthrene	9.76	178	247699	22.55 ug/ml	99
8) Anthracene	9.81	178	250974	21.96 ug/ml	100
12) Fluoranthene	11.07	202	244243	21.36 ug/ml	99
13) Pyrene	11.37	202	266909	22.73 ug/ml	99
14) Benzo[a]anthracene	13.52	228	199247	22.09 ug/ml	98
15) Chrysene	13.60	228	203782	21.40 ug/ml	99
16) Benzo[b] fluoranthene	15.84	252	165726	20.91 ug/ml	99
17) Benzo[k] fluoranthene	15.90	252	182604	22.55 ug/ml	99
18) Benzo[a] pyrene	16.52	252	152167	20.48 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	18.81	276	135697	22.51 ug/ml	97
20) Dibenz [a,h] anthracene	18.87	278	139344	22.65 ug/ml	99
21) Benzo(g,h,i) perylene	19.32	276	149324	22.39 ug/ml	100

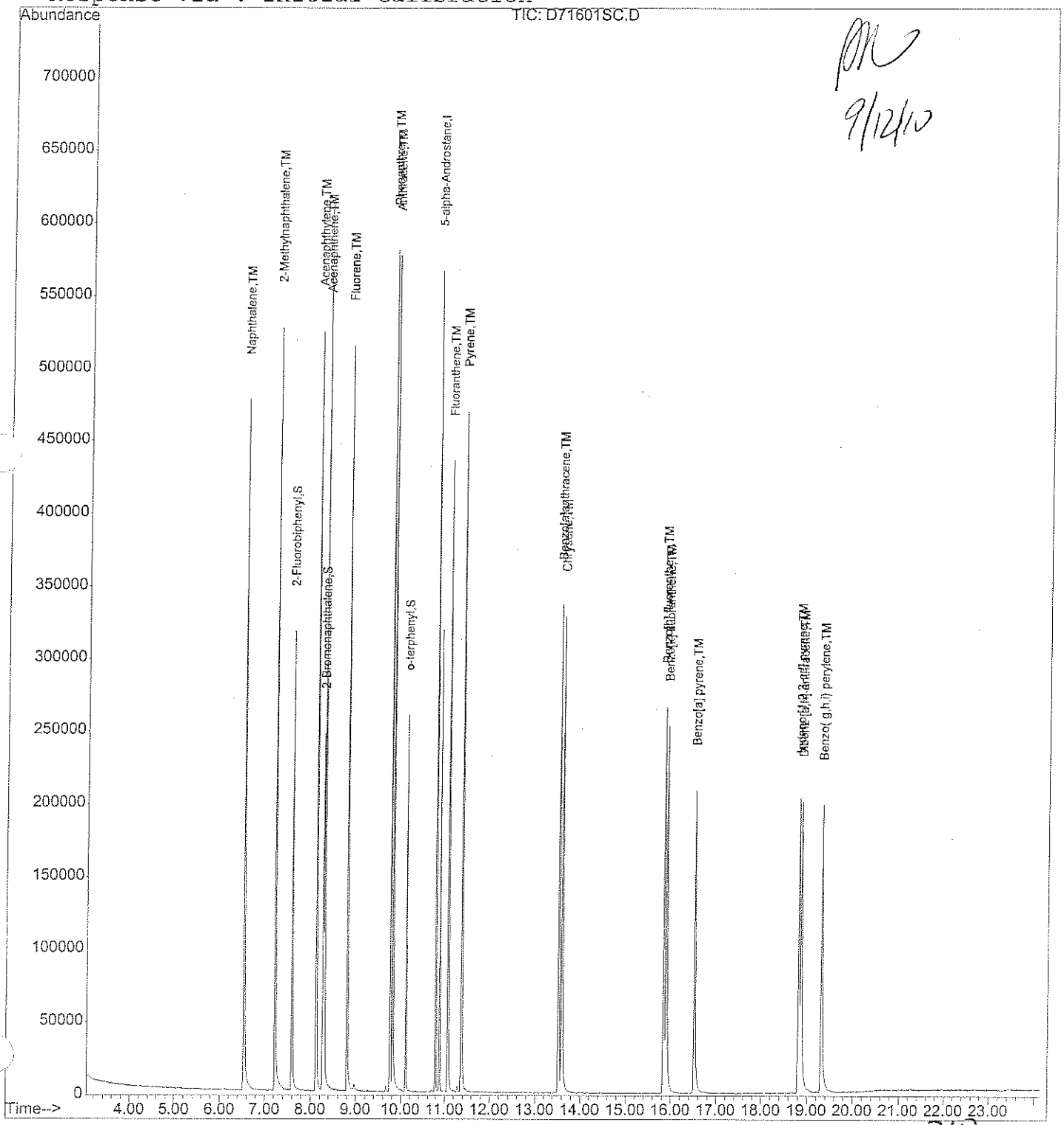
591360

(#) = qualifier out of range (m) = manual integration
D71601SC.D ARM80410.M Sun Sep 12 12:09:32 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71601SC.D Vial: 3
Acq On : 11 Sep 2010 6:34 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 12:09 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



PM 9/12/10

D71360

D71601SC.D ARM80410.M Sun Sep 12 12:09:32 2010 Page 2

GC AROMATIC
CLOSING
CONT CALIBRATION
CHECK

Data File Name D71601SC.D
Sample Name S10041 ARO 20
Date Acquired 9/11/2010 6:34

9/12/10

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	21.16	20	6	20	OK	21.16		
2-Methylnaphthalene	20.51	20	3	20	OK	20.51		
Acenaphthylene	21.18	20	6	20	OK	21.18		
Acenaphthene	20.52	20	3	20	OK	20.52		
Fluorene	21.48	20	7	20	OK	21.48		
Phenanthrene	21.60	20	8	20	OK	21.60		
Anthracene	21.45	20	7	20	OK	21.45		
Fluoranthene	20.25	20	1	20	OK	20.25		
Pyrene	22.02	20	10	20	OK	22.02		
Benzo[a]anthracene	19.62	20	2	20	OK	19.62		
Chrysene	20.51	20	3	20	OK	20.51		
Benzo[b] fluoranthene	20.22	20	1	20	OK	20.22		
Benzo[k] fluoranthene	20.24	20	1	20	OK	20.24		
Benzo[a] pyrene	18.97	20	5	20	OK	18.97		
Indeno [1,2,3-cd] pyrene	20.35	20	2	20	OK	20.35		
Dibenz [a,h] anthracene	22.23	20	11	20	OK	22.23		
Benzo(g,h,i) perylene	21.58	20	8	20	OK	21.58		
c11-c22		340				**353.89**	104%	OK

091310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71601SC.D Vial: 3
Acq On : 11 Sep 2010 6:34 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 12:11 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV 9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	6288691	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	3793971	12.226 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	61.13%
10) S 2-Bromonaphthalene	8.26	2786472	12.915 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.57%
11) S o-terphenyl	10.11	2555863	8.679 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	43.40%
Target Compounds			
2) TZ Naphthalene	6.53	7167685	21.157 ug/ml
3) TZ 2-Methylnaphthalene	7.23	6723499	20.511 ug/ml
4) TZ Acenaphthylene	8.12	6566262	21.180 ug/ml
5) TZ Acenaphthene	8.29	7337784	20.516 ug/ml
6) TZ Fluorene	8.81	6454627	21.475 ug/ml
7) TZ Phenanthrene	9.76	6670610	21.597 ug/ml
8) TZ Anthracene	9.81	6723777	21.447 ug/ml
12) TZ Fluoranthene	11.07	6169462	20.255 ug/ml
13) TZ Pyrene	11.38	6886613	22.021 ug/ml
14) TZ Benzo[a]anthracene	13.53	5439926	19.620 ug/ml
15) TZ Chrysene	13.60	5993290	20.514 ug/ml
16) TZ Benzo[b] fluoranthene	✓ 15.84	4610770	20.222 ug/ml
17) TZ Benzo[k] fluoranthene	15.90	5192435	20.239 ug/ml
18) TZ Benzo[a] pyrene	16.52	4283175	18.969 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.82	3739456	20.353 ug/ml
20) TZ Dibenz [a,h] anthracene	18.87	4707999	22.235 ug/ml
21) TZ Benzo(g,h,i) perylene	19.32	4675265	21.584 ug/ml
22) XH c11-c22	11.73	106532669	388.738 ug/ml

091310

(f)=RT Delta > 1/2 Window (m)=manual int.

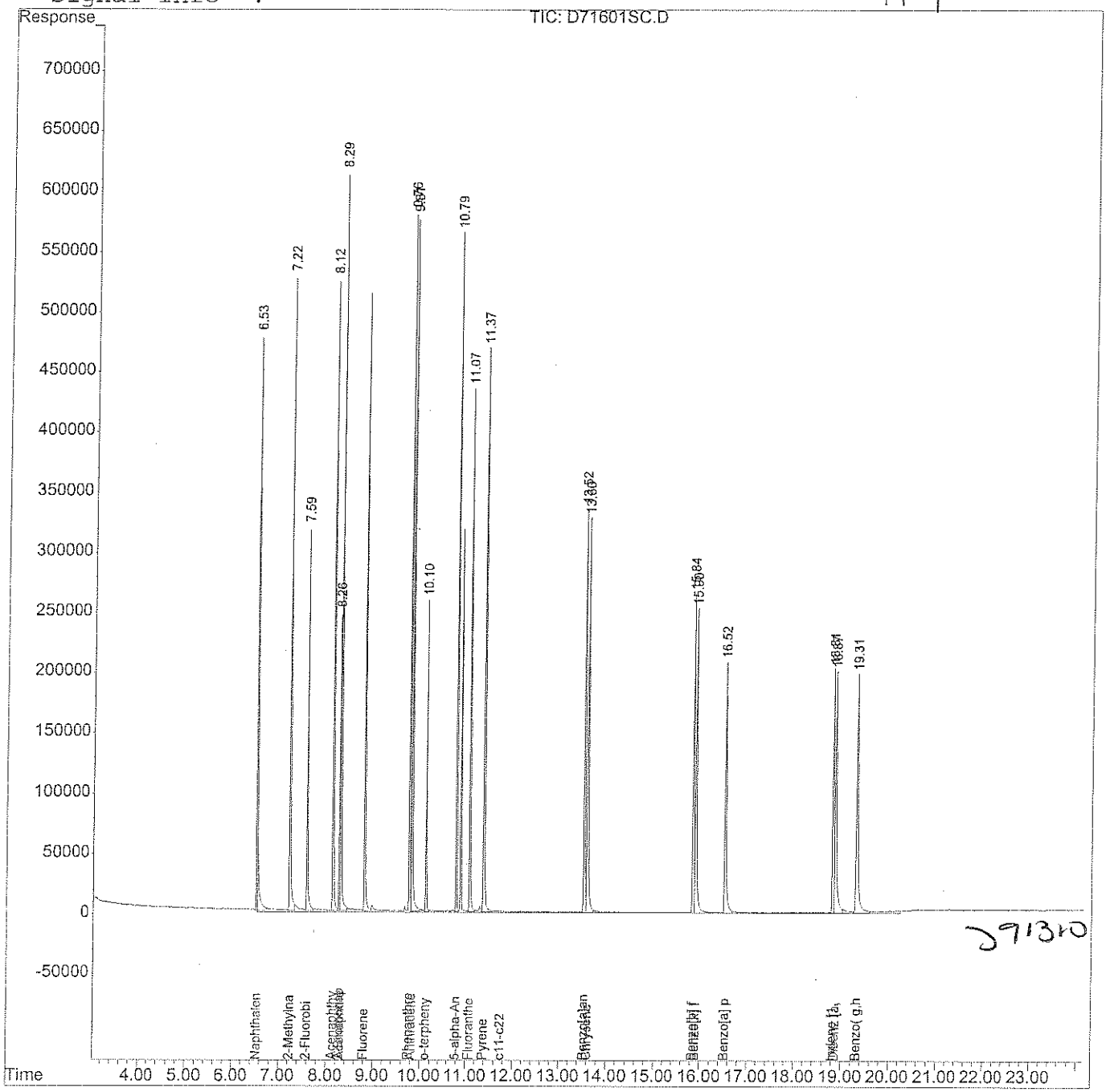
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71601SC.D Vial: 3
Acq On : 11 Sep 2010 6:34 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 12:11 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



D91310

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

PN 9/12/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71602SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.4	1.1	
C-10	41.0	2.6	
C-12	39.7	0.9	
C-14	37.8	5.6	
C-16	38.5	3.8	
C-18	38.9	2.6	
C-19	38.7	3.3	
C-20	38.8	3.0	
1-Chlorooctadecane	15.7	1.8	
C-22	39.5	1.2	
C-24	36.4	9.0	
C-26	37.9	5.4	
C-28	38.5	3.6	
C-30	39.3	1.8	
C-36	42.7	6.8	

C9-C18 Aliphatics	236.3	1.5	
C19-C36 Aliphatics	311.8	2.6	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: D71360

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71602SC.D Vial: 2
Acq On : 11 Sep 2010 7:04 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 12:09 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5911007	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	5699620	15.713 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	78.56%
Target Compounds			
2) TZM C-9	4.02	14843735	40.441 ug/ml
3) TZM C-10	5.01	15401911	41.032 ug/ml
4) TZM C-12	6.49	15984481	39.654 ug/ml
5) TZM C-14	7.67	15614189	37.768 ug/ml
6) TZM C-16	8.69	15353775	38.473 ug/ml
7) TZM C-18	9.60	15458579	38.944 ug/ml
8) XH C9-C18	7.38	111356666	283.717 ug/ml
9) TZM C-19	10.02	15185209	38.675 ug/ml
10) TZM C-20	10.45	14937165	38.818 ug/ml
12) TZM C-22	11.43	15060778	39.508 ug/ml
13) TZM C-24	12.71	13322142	36.410 ug/ml
14) TZM C-26	14.18	12828172	37.853 ug/ml
15) TZM C-28	15.71	11463467	38.548 ug/ml
16) TZM C-30	17.22	10519325	39.290 ug/ml
17) TZM C-36	21.26	9156226	42.701 ug/ml
18) XH C19-C36	11.90	113714853	349.183 ug/ml

D91310

(f)=RT Delta > 1/2 Window (m)=manual int.

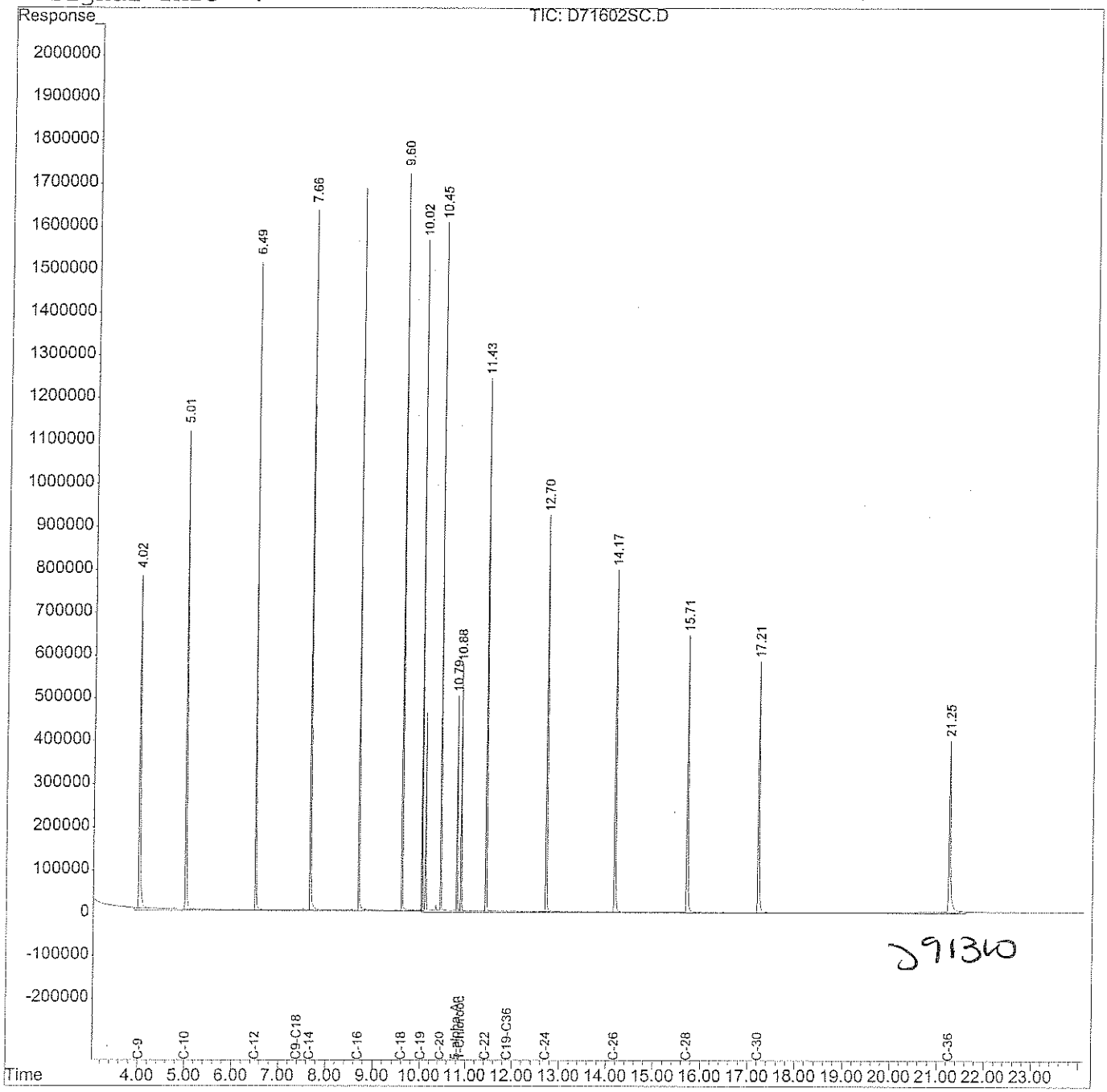
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71602SC.D Vial: 2
Acq On : 11 Sep 2010 7:04 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 12:09 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



D91340

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

MN 9/12/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: D71603SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.1	5.5	
2-Methylnaphthalene	20.5	2.5	
Acenaphthylene	21.6	7.9	
Acenaphthene	21.2	6.0	
Fluorene	21.3	6.6	
Phenanthrene	22.2	10.8	
Anthracene	22.0	9.9	
2-Fluorobiphenyl	12.6	5.1	
2-Bromonaphthalene	13.3	10.7	
o-terphenyl	9.2	15.6	
Fluoranthene	21.6	8.0	
Pyrene	22.6	12.9	
Benzo[a]anthracene	21.5	7.7	
Chrysene	21.0	4.9	
Benzo[b] fluoranthene	20.1	0.6	
Benzo[k] fluoranthene	21.0	4.9	
Benzo[a] pyrene	21.6	8.0	
Indeno [1,2,3-cd] pyrene	21.7	8.7	
Dibenz [a,h] anthracene	22.3	11.6	
Benzo(g,h,i) perylene	22.2	10.8	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 591310

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71603SC.D Vial: 3
Acq On : 11 Sep 2010 7:33 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Sep 12 12:10 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	33189	20.00 ug/ml	-0.01

System Monitoring Compounds

9) 2-Fluorobiphenyl	7.59	172	110694	12.61 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 63.05%		
10) 2-Bromonaphthalene	8.26	206	48313	13.28 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 66.40%		
11) o-terphenyl	10.10	230	47537	9.25 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 46.25%		

Target Compounds

					Qvalue
2) Naphthalene	6.53	128	282581	21.10 ug/ml	100
3) 2-Methylnaphthalene	7.22	141	149584	20.50 ug/ml	99
4) Acenaphthylene	8.12	152	271861	21.57 ug/ml	100
5) Acenaphthene	8.29	154	149102	21.20 ug/ml	99
6) Fluorene	8.80	166	174149	21.31 ug/ml	100
7) Phenanthrene	9.75	178	243987	22.16 ug/ml	99
8) Anthracene	9.81	178	251798	21.97 ug/ml	100
12) Fluoranthene	11.06	202	247572	21.60 ug/ml	99
13) Pyrene	11.37	202	265753	22.57 ug/ml	98
14) Benzo[a]anthracene	13.52	228	194813	21.55 ug/ml	98
15) Chrysene	13.59	228	200270	20.98 ug/ml	99
16) Benzo[b] fluoranthene	15.84	252	159394	20.12 ug/ml	100
17) Benzo[k] fluoranthene	15.89	252	170402	20.99 ug/ml	99
18) Benzo[a] pyrene	16.52	252	161528	21.60 ug/ml	98
19) Indeno [1,2,3-cd] pyrene	18.81	276	131003	21.73 ug/ml	97
20) Dibenz [a,h] anthracene	18.87	278	137607	22.32 ug/ml	98
21) Benzo(g,h,i) perylene	19.31	276	148238	22.17 ug/ml	99

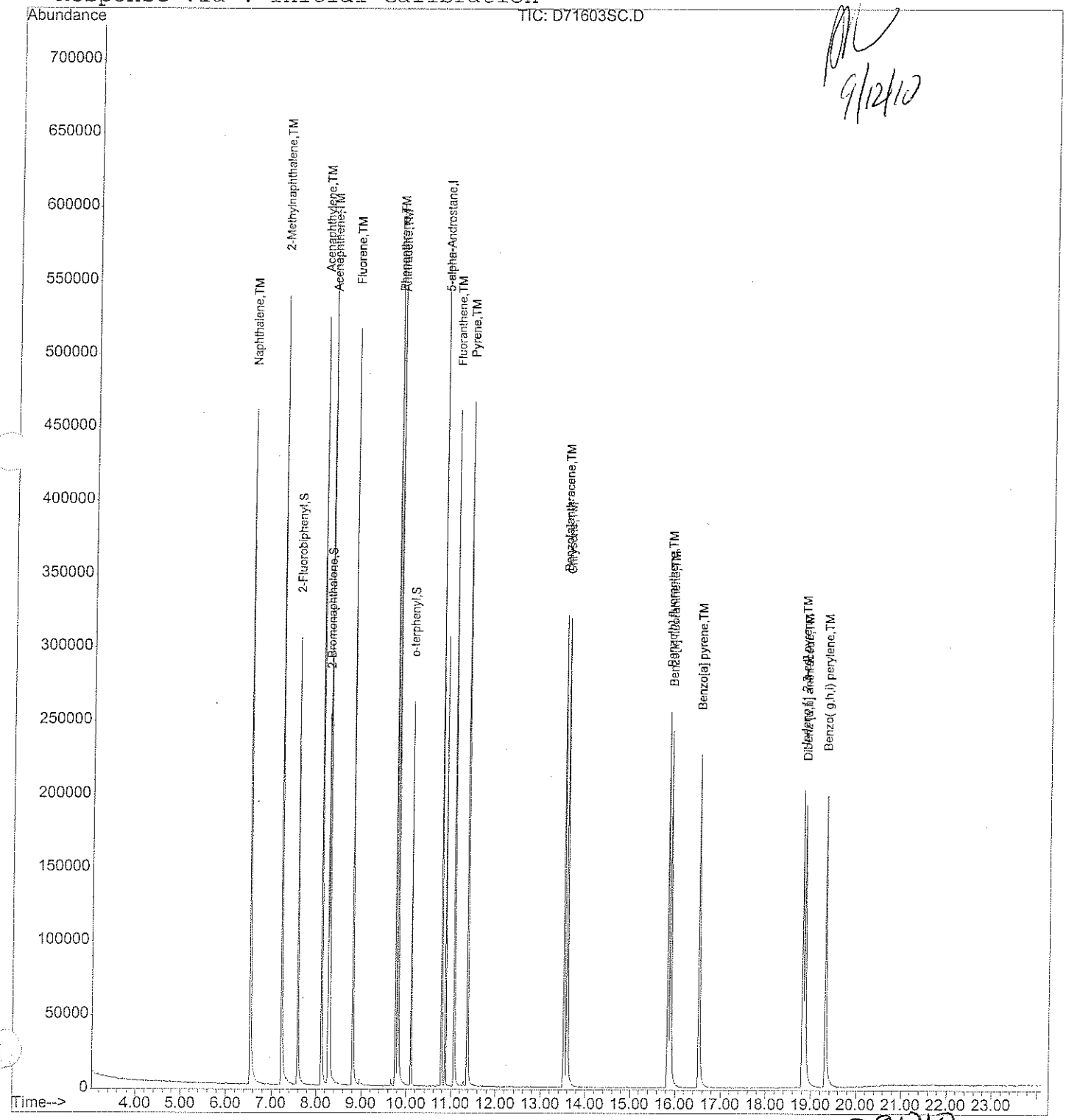
D91360

(#) = qualifier out of range (m) = manual integration
D71603SC.D ARM80410.M Sun Sep 12 12:10:59 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71603SC.D Vial: 3
Acq On : 11 Sep 2010 7:33 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 12:10 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/12/10

291340

MV 9/12/10

GC AROMATIC CLOSING CONT CALIBRATION CHECK

Data File Name D71603SC.D
Sample Name S10041 ARO 20
Date Acquired 9/11/2010 7:33

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	19.93	20	0	20	OK	19.93		
2-Methylnaphthalene	20.09	20	0	20	OK	20.09		
Acenaphthylene	20.67	20	3	20	OK	20.67		
Acenaphthene	20.32	20	2	20	OK	20.32		
Fluorene	20.64	20	3	20	OK	20.64		
Phenanthrene	20.96	20	5	20	OK	20.96		
Anthracene	21.34	20	7	20	OK	21.34		
Fluoranthene	20.45	20	2	20	OK	20.45		
Pyrene	21.31	20	7	20	OK	21.31		
Benzo[a]anthracene	19.17	20	4	20	OK	19.17		
Chrysene	19.96	20	0	20	OK	19.96		
Benzo[b] fluoranthene	19.24	20	4	20	OK	19.24		
Benzo[k] fluoranthene	19.19	20	4	20	OK	19.19		
Benzo[a] pyrene	19.84	20	1	20	OK	19.84		
Indeno [1,2,3-cd] pyrene	19.85	20	1	20	OK	19.85		
Dibenz [a,h] anthracene	22.03	20	10	20	OK	22.03		
Benzo(g,h,i) perylene	20.59	20	3	20	OK	20.59		
c11-c22		340				345.58	102%	OK

091310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71603SC.D Vial: 3
Acq On : 11 Sep 2010 7:33 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 12:12 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV 9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	6302752	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	3697443	11.889 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	59.44%
10) S 2-Bromonaphthalene	8.26	2724067	12.597 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	62.98%
11) S o-terphenyl	10.10	2529155	8.569 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	42.85%
Target Compounds			
2) TZ Naphthalene	6.53	6766692	19.929 ug/ml
3) TZ 2-Methylnaphthalene	7.23	6599334	20.087 ug/ml
4) TZ Acenaphthylene	8.12	6421606	20.667 ug/ml
5) TZ Acenaphthene	8.29	7284423	20.316 ug/ml
6) TZ Fluorene	8.81	6216368	20.636 ug/ml
7) TZ Phenanthrene	9.76	6489871	20.965 ug/ml
8) TZ Anthracene	9.81	6705062	21.339 ug/ml
12) TZ Fluoranthene	11.07	6242573	20.449 ug/ml
13) TZ Pyrene	11.37	6680328	21.314 ug/ml
14) TZ Benzo[a]anthracene	13.52	5320357	19.175 ug/ml
15) TZ Chrysene	13.60	5844684	19.961 ug/ml
16) TZ Benzo[b] fluoranthene	15.84	4381704	19.244 ug/ml
17) TZ Benzo[k] fluoranthene	15.90	4926734	19.189 ug/ml
18) TZ Benzo[a] pyrene	16.52	4501737	19.840 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.81	3647815	19.851 ug/ml
20) TZ Dibenz [a,h] anthracene	18.86	4674925	22.029 ug/ml
21) TZ Benzo(g,h,i) perylene	19.31	4472741	20.591 ug/ml
22) XH c11-c22	11.73	103899529	378.284 ug/ml

291310

(f)=RT Delta > 1/2 Window (m)=manual int.

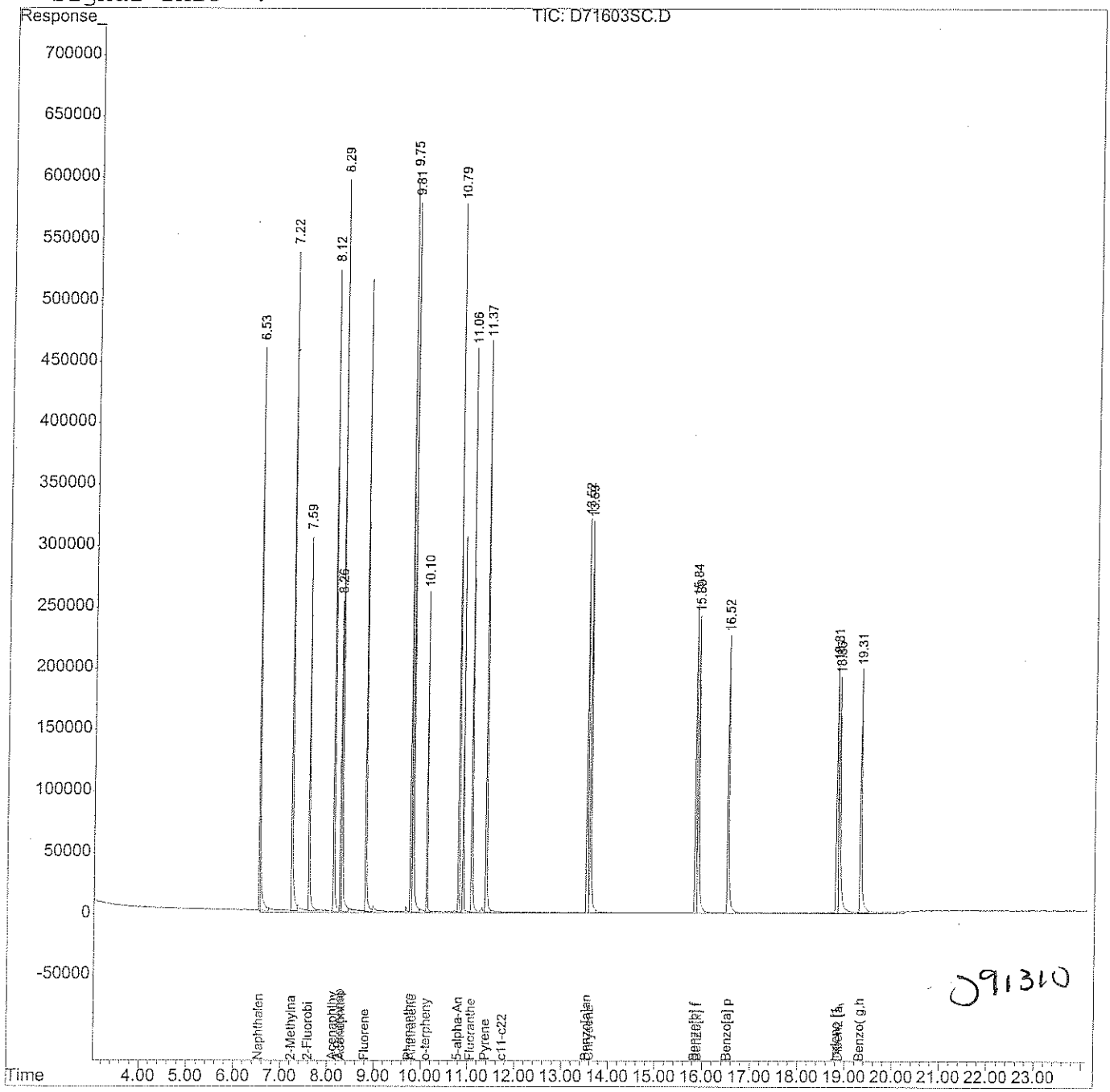
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71603SC.D Vial: 3
Acq On : 11 Sep 2010 7:33 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 12:12 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



091310

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71606SC.D

PM 9/8/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	39.6	1.1	
C-10	38.9	2.9	
C-12	38.4	4.0	
C-14	37.1	7.3	
C-16	37.8	5.4	
C-18	38.0	5.1	
C-19	37.4	6.6	
C-20	37.2	6.9	
1-Chlorooctadecane	15.7	2.1	
C-22	36.1	9.7	
C-24	36.1	9.8	
C-26	36.9	7.6	
C-28	37.0	7.5	
C-30	38.4	3.9	
C-36	41.0	2.4	

C9-C18 Aliphatics	229.7	4.3	
C19-C36 Aliphatics	300.2	6.2	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 291310

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71606SC.D Vial: 2
Acq On : 11 Sep 2010 9:03 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 10:59 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV 9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5779394	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	5556841	15.668 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	78.34%
Target Compounds			
2) TZM C-9	4.02	14193568	39.551 ug/ml
3) TZM C-10	5.01	14259246	38.853 ug/ml
4) TZM C-12	6.49	15139744	38.413 ug/ml
5) TZM C-14	7.66	14982303	37.065 ug/ml
6) TZM C-16	8.69	14765660	37.842 ug/ml
7) TZM C-18	9.60	14733599	37.963 ug/ml
8) XH C9-C18	7.38	100163539	261.010 ug/ml
9) TZM C-19	10.02	14348407	37.376 ug/ml
10) TZM C-20	10.45	14009972	37.238 ug/ml
12) TZM C-22	11.43	13460330	36.114 ug/ml
13) TZM C-24	12.71	12909539	36.086 ug/ml
14) TZM C-26	14.18	12241594	36.945 ug/ml
15) TZM C-28	15.71	10759045	37.003 ug/ml
16) TZM C-30	17.22	10058098	38.422 ug/ml
17) TZM C-36	21.25	8522826	40.979 ug/ml
18) XH C19-C36	11.90	105068307	329.980 ug/ml

D91310

(f)=RT Delta > 1/2 Window (m)=manual int.

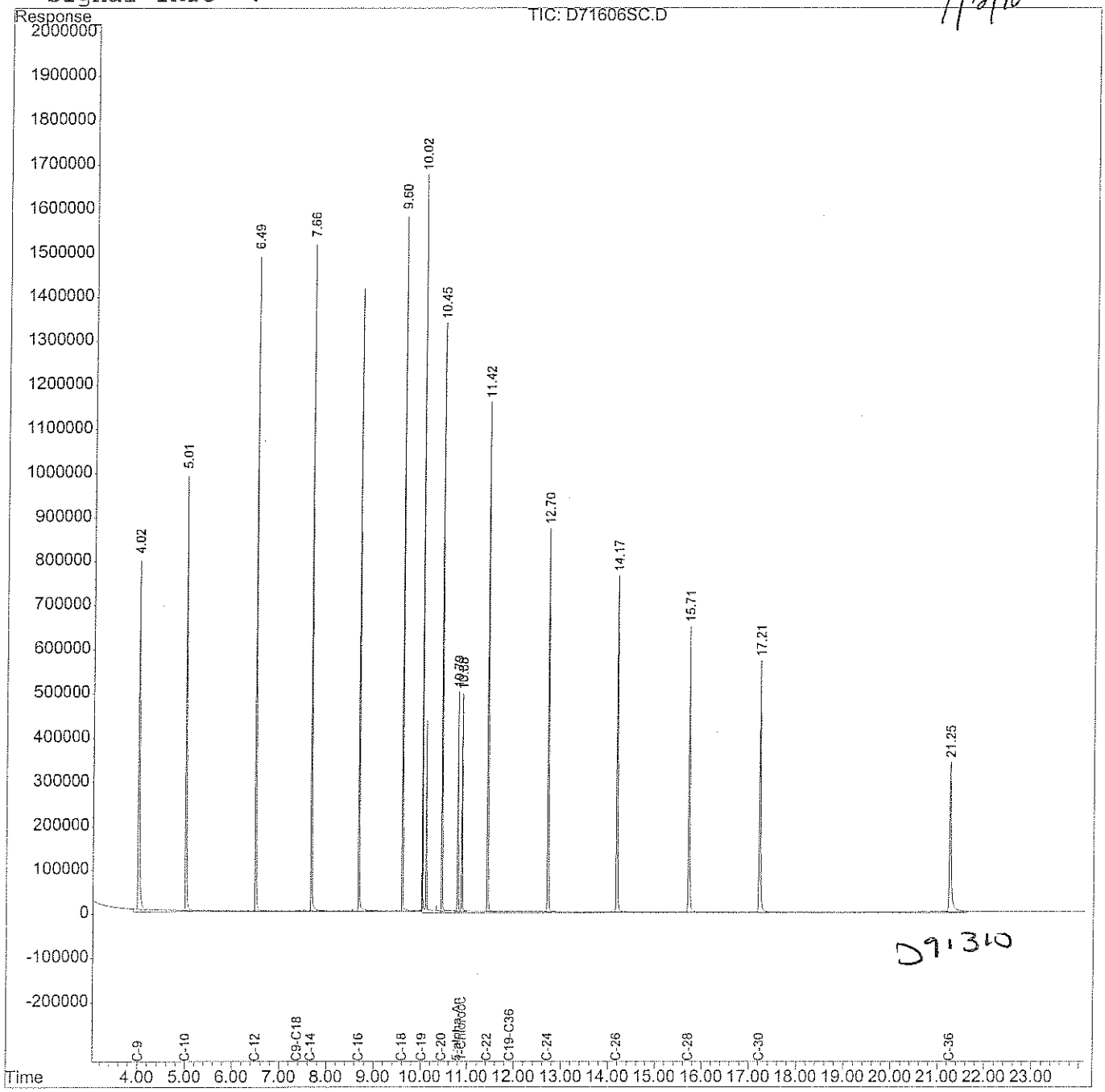
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71606SC.D Vial: 2
Acq On : 11 Sep 2010 9:03 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 10:59 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



D91310

EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

9/8/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: D71607SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.7	8.5	
2-Methylnaphthalene	21.5	7.6	
Acenaphthylene	21.3	6.6	
Acenaphthene	21.1	5.4	
Fluorene	22.0	9.8	
Phenanthrene	22.4	11.9	
Anthracene	22.3	11.5	
2-Fluorobiphenyl	13.3	10.5	
2-Bromonaphthalene	13.5	12.3	
o-terphenyl	9.2	15.4	
Fluoranthene	23.1	15.5	
Pyrene	22.7	13.3	
Benzo[a]anthracene	22.8	14.2	
Chrysene	22.2	10.9	
Benzo[b] fluoranthene	21.4	6.8	
Benzo[k] fluoranthene	21.3	6.3	
Benzo[a] pyrene	21.7	8.5	
Indeno [1,2,3-cd] pyrene	22.2	10.9	
Dibenz [a,h] anthracene	22.6	13.1	
Benzo(g,h,i) perylene	21.7	8.5	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: D91310

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71607SC.D Vial: 3
Acq On : 11 Sep 2010 9:33 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
S Integration Params: RTEINT.P
Quant Time: Sep 12 11:00 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

MY 9/12/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	32176	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.59	172	112904	13.27	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 66.35%			
10) 2-Bromonaphthalene	8.26	206	47522	13.48	ug/ml	-0.02
Spiked Amount 20.000	Range 40 - 140		Recovery = 67.40%			
11) o-terphenyl	10.10	230	46028	9.23	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 46.15%			
Target Compounds						Qvalue
2) Naphthalene	6.53	128	281594	21.69	ug/ml	99
3) 2-Methylnaphthalene	7.22	141	152197	21.51	ug/ml	99
4) Acenaphthylene	8.12	152	260589	21.33	ug/ml	100
5) Acenaphthene	8.29	154	143706	21.08	ug/ml	100
6) Fluorene	8.80	166	173878	21.95	ug/ml	100
7) Phenanthrene	9.75	178	238854	22.37	ug/ml	99
8) Anthracene	9.81	178	247613	22.29	ug/ml	99
12) Fluoranthene	11.06	202	256618	23.09	ug/ml	98
13) Pyrene	11.37	202	258730	22.67	ug/ml	98
14) Benzo[a]anthracene	13.52	228	200136	22.83	ug/ml	98
15) Chrysene	13.59	228	205295	22.18	ug/ml	99
16) Benzo[b] fluoranthene	15.83	252	164882	21.36	ug/ml	98
17) Benzo[k] fluoranthene	15.89	252	167251	21.25	ug/ml	100
18) Benzo[a] pyrene	16.52	252	157412	21.71	ug/ml	98
19) Indeno [1,2,3-cd] pyrene	18.81	276	129853	22.19	ug/ml	95
20) Dibenz [a,h] anthracene	18.86	278	135279	22.62	ug/ml	99
21) Benzo(g,h,i) perylene	19.31	276	140775	21.71	ug/ml	97

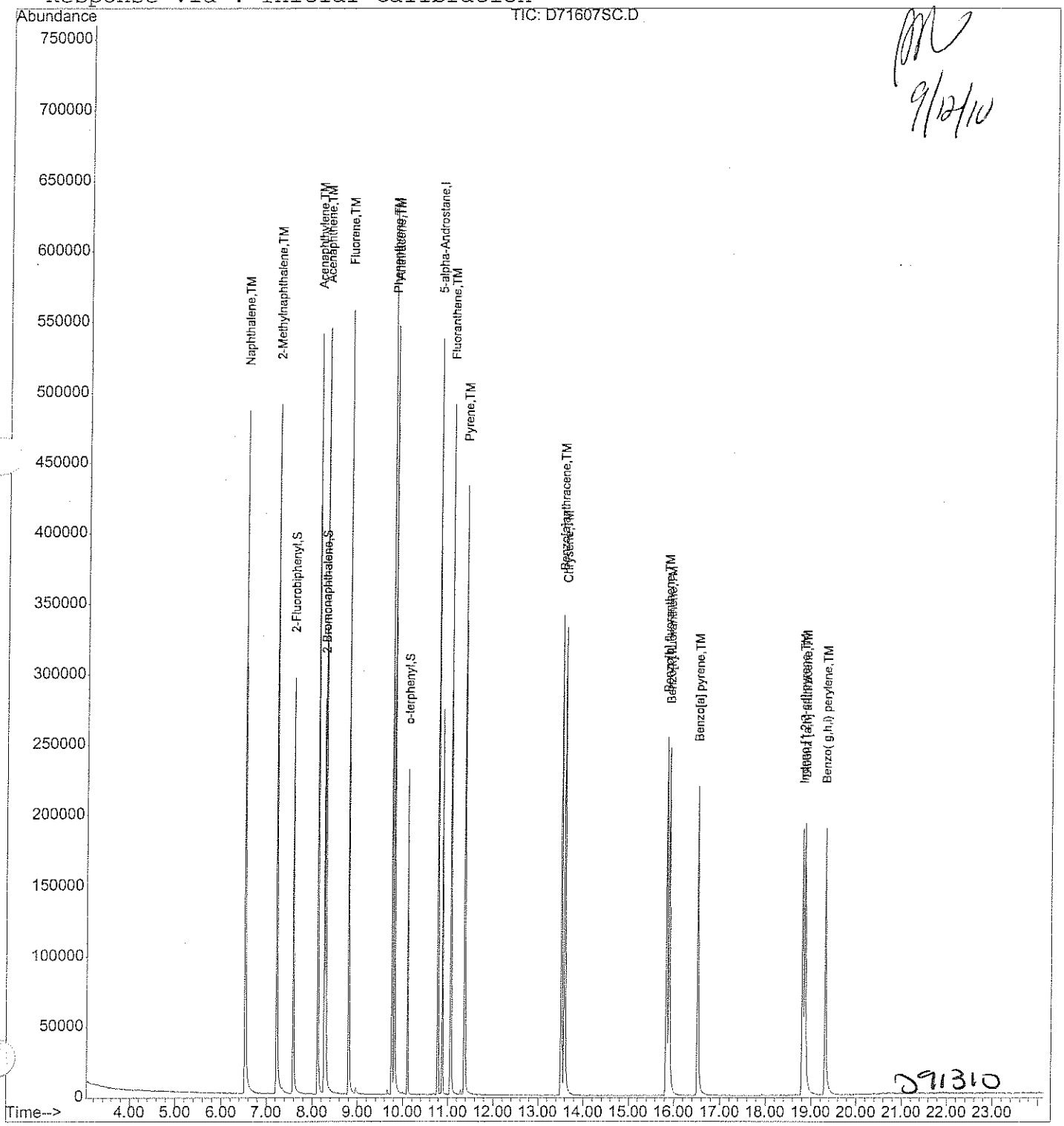
091310

(#) = qualifier out of range (m) = manual integration
D71607SC.D ARM80410.M Sun Sep 12 13:24:25 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71607SC.D Vial: 3
Acq On : 11 Sep 2010 9:33 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 11:00 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



MC 9/12/10

091310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71607SC.D Vial: 3
Acq On : 11 Sep 2010 9:33 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:25 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/10/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	6269671	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	3787508	12.243 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	61.21%
10) S 2-Bromonaphthalene	8.26	2768622	12.871 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.36%
11) S o-terphenyl	10.10	2466414	8.401 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	42.00%
Target Compounds			
2) TZ Naphthalene	6.53	6743347	19.965 ug/ml
3) TZ 2-Methylnaphthalene	7.22	6638905	20.315 ug/ml
4) TZ Acenaphthylene	8.12	6142072	19.872 ug/ml
5) TZ Acenaphthene	8.29	7132075	19.988 ug/ml
6) TZ Fluorene	8.80	6182536	20.632 ug/ml
7) TZ Phenanthrene	9.76	6419906	20.848 ug/ml
8) TZ Anthracene	9.81	6534343	20.906 ug/ml
12) TZ Fluoranthene	11.06	6517807	21.463 ug/ml
13) TZ Pyrene	11.37	6573152	21.082 ug/ml
14) TZ Benzo[a]anthracene	13.52	5392503	19.515 ug/ml
15) TZ Chrysene	13.59	5995092	20.583 ug/ml
16) TZ Benzo[b] fluoranthene	15.84	4436803	19.565 ug/ml
17) TZ Benzo[k] fluoranthene	15.89	4883676	19.123 ug/ml
18) TZ Benzo[a] pyrene	16.52	4339930	19.262 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.81	3601941	19.716 ug/ml
20) TZ Dibenz [a,h] anthracene	18.86	4593843	21.761 ug/ml
21) TZ Benzo(g,h,i) perylene	19.31	4172962	19.305 ug/ml
22) XH c11-c22	11.73	102156500	373.900 ug/ml

D91310

(f)=RT Delta > 1/2 Window (m)=manual int.

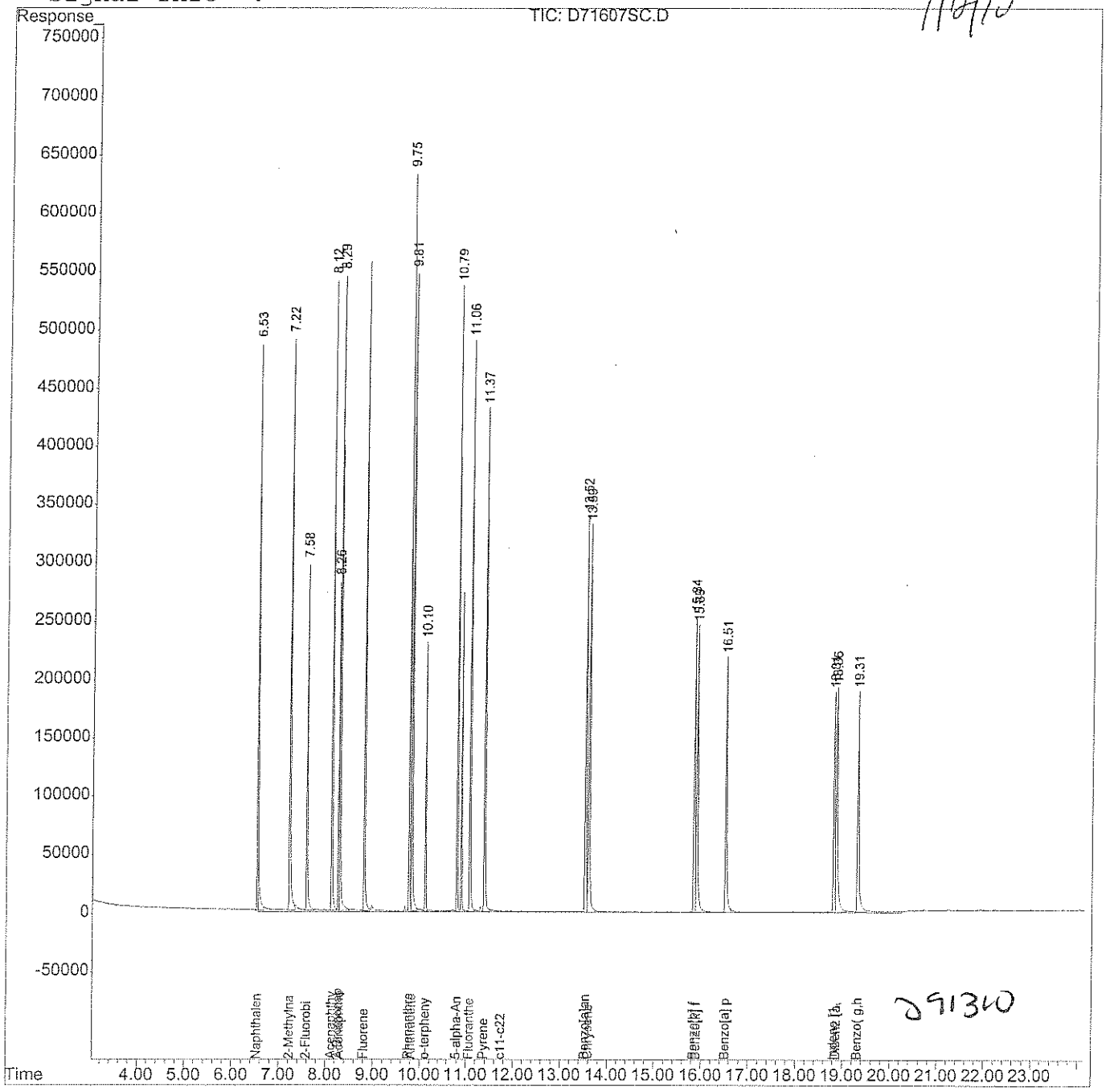
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71607SC.D Vial: 3
Acq On : 11 Sep 2010 9:33 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:25 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

OK
9/12/10



091340

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71625SC.D

9/12/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	38.9	2.7	
C-10	39.5	1.3	
C-12	38.2	4.6	
C-14	37.0	7.4	
C-16	37.6	5.9	
C-18	37.1	7.2	
C-19	37.8	5.5	
C-20	38.5	3.7	
1-Chlorooctadecane	16.0	0.3	
C-22	36.1	9.8	
C-24	36.6	8.4	
C-26	38.9	2.8	
C-28	37.6	6.0	
C-30	40.2	0.6	
C-36	43.1	7.8	

C9-C18 Aliphatics	228.4	4.9	
C19-C36 Aliphatics	308.9	3.5	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 291310

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71625SC.D Vial: 2
Acq On : 11 Sep 2010 6:31 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:00 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	6277490	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	6147177	15.957 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.79%
Target Compounds			
2) TZM C-9	4.02	15172554	38.924 ug/ml
3) TZM C-10	5.01	15744574	39.496 ug/ml
4) TZM C-12	6.49	16333930	38.155 ug/ml
5) TZM C-14	7.66	16259778	37.033 ug/ml
6) TZM C-16	8.69	15946999	37.627 ug/ml
7) TZM C-18	9.60	15647557	37.119 ug/ml
8) XH C9-C18	7.38	113693524	272.760 ug/ml
9) TZM C-19	10.02	15754976	37.783 ug/ml
10) TZM C-20	10.45	15743059	38.524 ug/ml
12) TZM C-22	11.43	14609861	36.088 ug/ml
13) TZM C-24	12.70	14232208	36.627 ug/ml
14) TZM C-26	14.17	13996724	38.890 ug/ml
15) TZM C-28	15.70	11874871	37.600 ug/ml
16) TZM C-30	17.21	11440810	40.237 ug/ml
17) TZM C-36	21.25	9840524	43.130 ug/ml
18) XH C19-C36	11.90	117114079	338.626 ug/ml

S91310

(f)=RT Delta > 1/2 Window (m)=manual int.

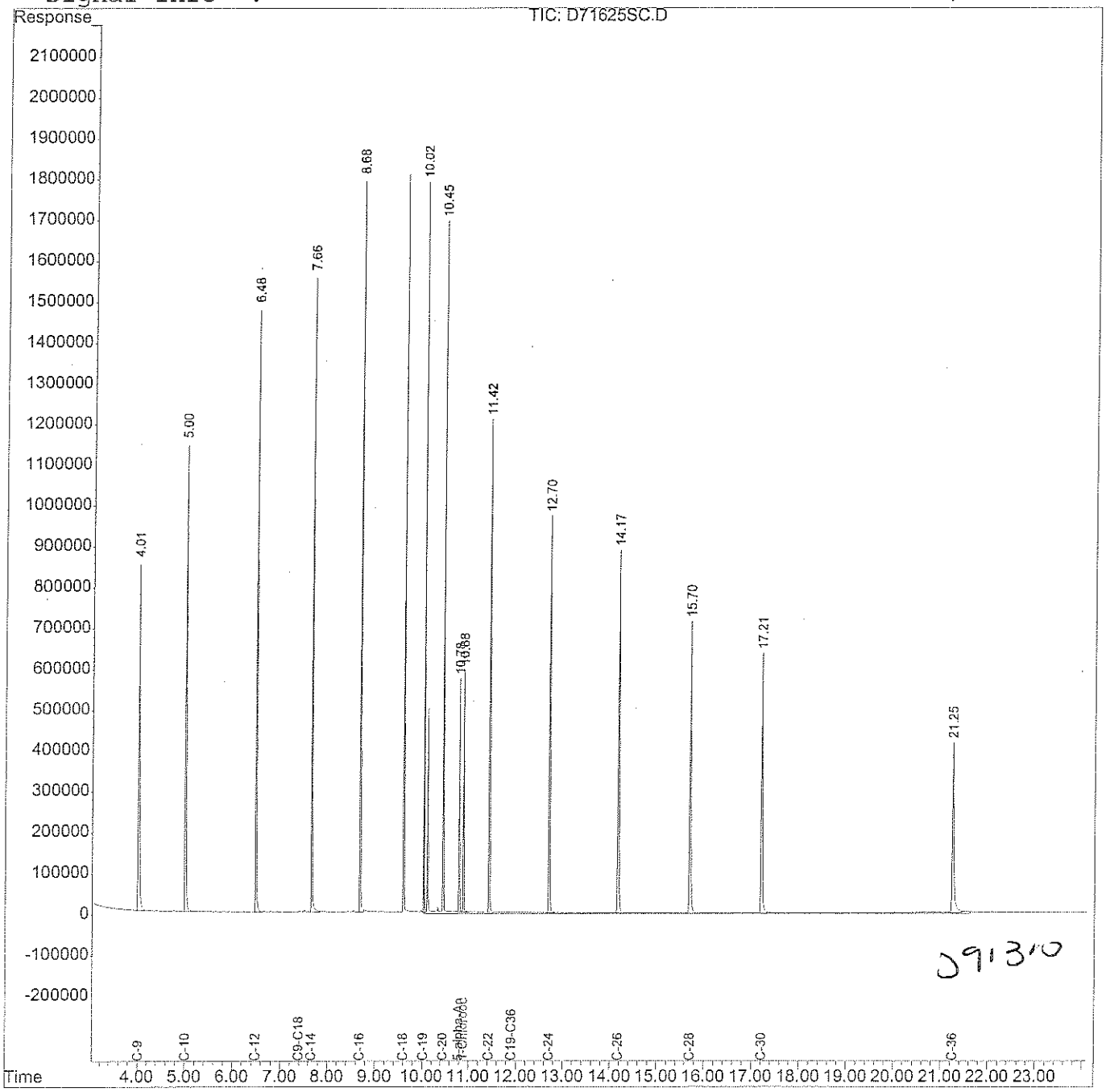
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71625SC.D Vial: 2
Acq On : 11 Sep 2010 6:31 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 11:00 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



091310

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: D71626SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.4	7.1	
2-Methylnaphthalene	21.1	5.7	
Acenaphthylene	20.7	3.3	
Acenaphthene	20.8	3.9	
Fluorene	20.8	4.1	
Phenanthrene	21.4	7.2	
Anthracene	21.2	6.0	
2-Fluorobiphenyl	12.9	7.2	
2-Bromonaphthalene	13.0	8.2	
o-terphenyl	8.9	11.0	
Fluoranthene	21.4	6.8	
Pyrene	21.4	7.2	
Benzo[a]anthracene	22.0	9.9	
Chrysene	20.2	0.8	
Benzo[b] fluoranthene	21.1	5.3	
Benzo[k] fluoranthene	21.2	6.1	
Benzo[a] pyrene	21.5	7.3	
Indeno [1,2,3-cd] pyrene	22.0	10.2	
Dibenz [a,h] anthracene	22.1	10.5	
Benzo(g,h,i) perylene	22.0	10.0	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 29130

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71626SC.D Vial: 3
Acq On : 11 Sep 2010 7:01 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Sep 12 11:00 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/12/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	10.78	95	34936	20.00	ug/ml	-0.01
System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.58	172	118935	12.87	ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 64.35%			
10) 2-Bromonaphthalene	8.25	206	49709	12.98	ug/ml	-0.02
Spiked Amount 20.000	Range 40 - 140		Recovery = 64.90%			
11) o-terphenyl	10.10	230	48037	8.88	ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 44.40%			
Target Compounds						Qvalue
2) Naphthalene	6.53	128	301921	21.42	ug/ml	100
3) 2-Methylnaphthalene	7.22	141	162412	21.14	ug/ml	99
4) Acenaphthylene	8.11	152	274100	20.66	ug/ml	100
5) Acenaphthene	8.29	154	153765	20.77	ug/ml	99
6) Fluorene	8.80	166	179014	20.81	ug/ml	99
7) Phenanthrene	9.75	178	248458	21.43	ug/ml	99
8) Anthracene	9.80	178	255599	21.19	ug/ml	100
12) Fluoranthene	11.06	202	257610	21.35	ug/ml	99
13) Pyrene	11.37	202	265799	21.45	ug/ml	98
14) Benzo[a]anthracene	13.51	228	209182	21.98	ug/ml	98
15) Chrysene	13.59	228	202500	20.15	ug/ml	100
16) Benzo[b] fluoranthene	15.84	252	176271	21.06	ug/ml	100
17) Benzo[k] fluoranthene	15.89	252	181323	21.22	ug/ml	99
18) Benzo[a] pyrene	16.51	252	168877	21.47	ug/ml	98
19) Indeno [1,2,3-cd] pyrene	18.81	276	140017	22.04	ug/ml	96
20) Dibenz [a,h] anthracene	18.86	278	143396	22.11	ug/ml	100
21) Benzo(g,h,i) perylene	19.31	276	154865	22.00	ug/ml	99

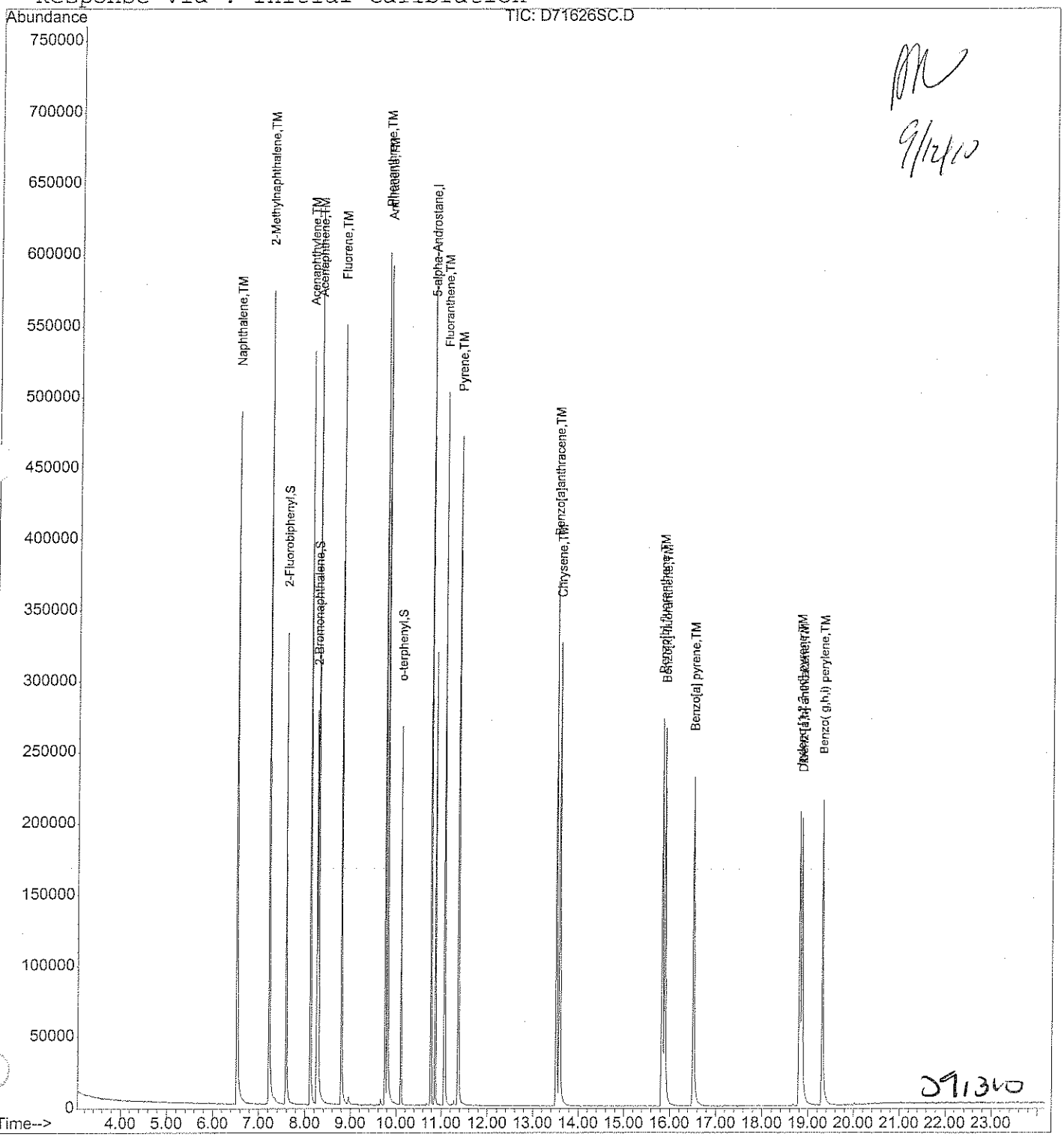
291310

(#) = qualifier out of range (m) = manual integration
D71626SC.D ARM80410.M Sun Sep 12 13:27:05 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71626SC.D Vial: 3
Acq On : 11 Sep 2010 7:01 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 11:00 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/12/10

D71310

GC AROMATIC CLOSING CONT CALIBRATION CHECK

Data File Name D71626SC.D
Sample Name S10041 ARO 20
Date Acquired 9/11/2010 7:01

9/12/10

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.52	20	3	20	OK	20.52		
2-Methylnaphthalene	20.71	20	4	20	OK	20.71		
Acenaphthylene	20.12	20	1	20	OK	20.12		
Acenaphthene	20.53	20	3	20	OK	20.53		
Fluorene	20.58	20	3	20	OK	20.58		
Phenanthrene	20.64	20	3	20	OK	20.64		
Anthracene	21.28	20	6	20	OK	21.28		
Fluoranthene	20.75	20	4	20	OK	20.75		
Pyrene	20.93	20	5	20	OK	20.93		
Benzo[a]anthracene	19.89	20	1	20	OK	19.89		
Chrysene	19.66	20	2	20	OK	19.66		
Benzo[b] fluoranthene	20.18	20	1	20	OK	20.18		
Benzo[k] fluoranthene	19.44	20	3	20	OK	19.44		
Benzo[a] pyrene	20.18	20	1	20	OK	20.18		
Indeno [1,2,3-cd] pyrene	20.56	20	3	20	OK	20.56		
Dibenz [a,h] anthracene	21.89	20	9	20	OK	21.89		
Benzo(g,h,i) perylene	20.81	20	4	20	OK	20.81		
c11-c22		340				**348.69**	103%	OK

D91310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71626SC.D Vial: 3
Acq On : 11 Sep 2010 7:01 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:38 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Sun Sep 12 13:38:37 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	6556046	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	3956597	12.231 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	61.16%
10) S 2-Bromonaphthalene	8.26	2888230	12.841 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.20%
11) S o-terphenyl	10.10	2597864	8.462 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	42.31%
Target Compounds			
2) TZ Naphthalene	6.53	7247514	20.520 ug/ml
3) TZ 2-Methylnaphthalene	7.22	7076153	20.707 ug/ml
4) TZ Acenaphthylene	8.12	6504301	20.125 ug/ml
5) TZ Acenaphthene	8.29	7655637	20.532 ug/ml
6) TZ Fluorene	8.80	6447882	20.578 ug/ml
7) TZ Phenanthrene	9.76	6646825	20.642 ug/ml
8) TZ Anthracene	9.81	6956370	21.284 ug/ml
12) TZ Fluoranthene	11.06	6588009	20.747 ug/ml
13) TZ Pyrene	11.37	6825080	20.934 ug/ml
14) TZ Benzo[a]anthracene	13.52	5753563	19.888 ug/ml
15) TZ Chrysene	13.59	5988698	19.663 ug/ml
16) TZ Benzo[b] fluoranthene	15.84	4796833	20.183 ug/ml
17) TZ Benzo[k] fluoranthene	15.89	5193319	19.438 ug/ml
18) TZ Benzo[a] pyrene	16.51	4767933	20.182 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.81	3941679	20.562 ug/ml
20) TZ Dibenz [a,h] anthracene	18.86	4832083	21.890 ug/ml
21) TZ Benzo(g,h,i) perylene	19.31	4701886	20.812 ug/ml
22) XH c11-c22	11.73	107283808	375.514 ug/ml

D9,310

(f)=RT Delta > 1/2 Window (m)=manual int.

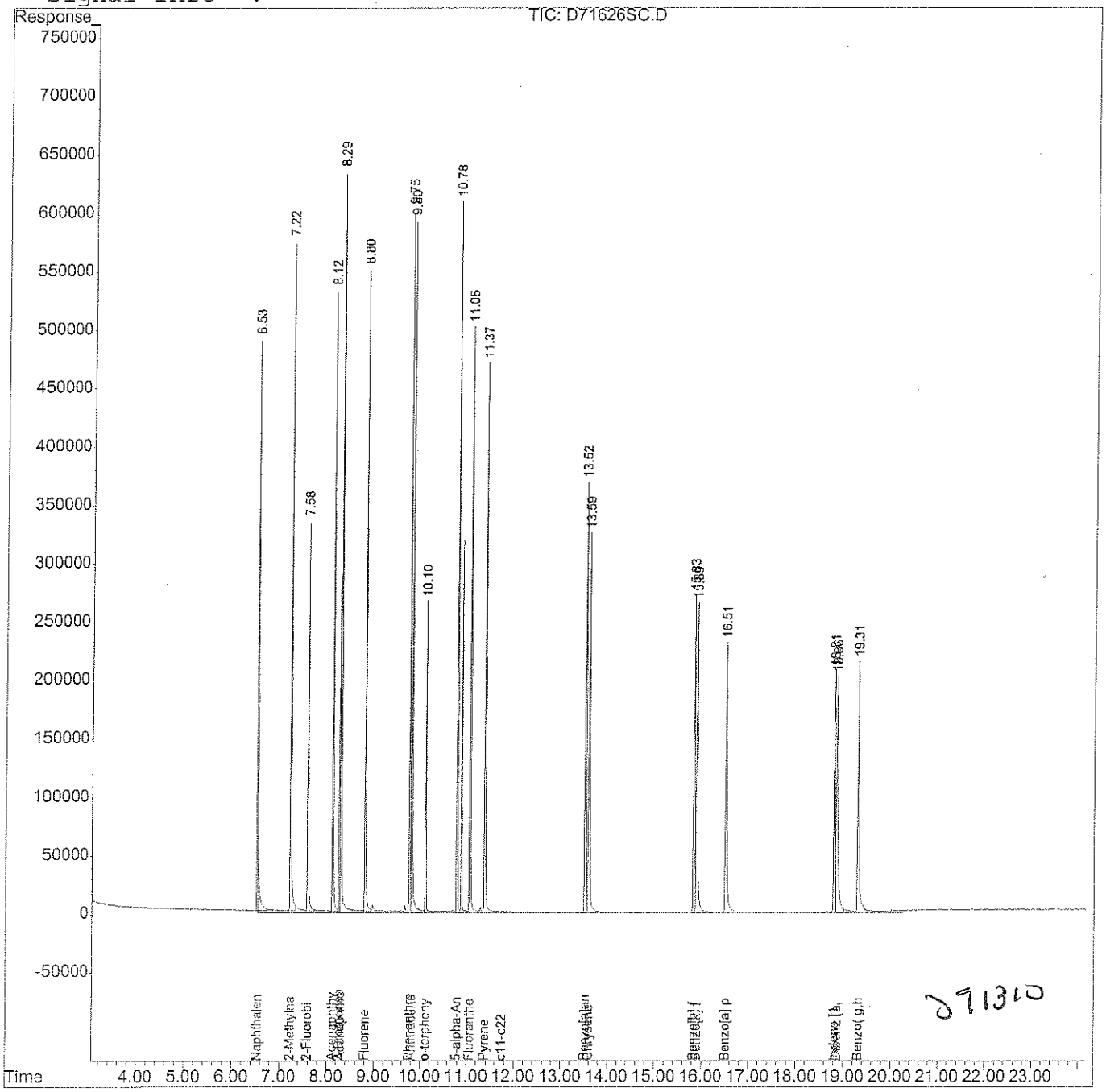
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71626SC.D Vial: 3
Acq On : 11 Sep 2010 7:01 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:38 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Sun Sep 12 13:38:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/12/10



D71310

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

9/14/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71627SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	41.5	3.7	
C-10	41.4	3.5	
C-12	39.5	1.2	
C-14	38.6	3.5	
C-16	39.7	0.7	
C-18	38.9	2.6	
C-19	39.3	1.9	
C-20	38.7	3.2	
1-Chlorooctadecane	16.4	2.4	
C-22	36.8	7.9	
C-24	36.7	8.2	
C-26	38.0	5.0	
C-28	38.9	2.7	
C-30	40.3	0.8	
C-36	41.5	3.8	

C9-C18 Aliphatics	239.6	0.2	
C19-C36 Aliphatics	310.3	3.0	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 29 1310

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71627SC.D Vial: 2
Acq On : 11 Sep 2010 7:31 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 13:27 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PM 9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5965634	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	5996636	16.380 ug/ml
Spiked Amount 20.000	Range 40 - 140	Recovery =	81.90%
Target Compounds			
2) TZM C-9	4.02	15358407	41.460 ug/ml
3) TZM C-10	5.01	15685582	41.405 ug/ml
4) TZM C-12	6.49	16074395	39.512 ug/ml
5) TZM C-14	7.66	16099555	38.585 ug/ml
6) TZM C-16	8.68	15993602	39.709 ug/ml
7) TZM C-18	9.60	15601928	38.945 ug/ml
8) XH C9-C18	7.38	106808313	269.636 ug/ml
9) TZM C-19	10.02	15554431	39.252 ug/ml
10) TZM C-20	10.45	15032232	38.707 ug/ml
12) TZM C-22	11.42	14173607	36.841 ug/ml
13) TZM C-24	12.70	13552770	36.702 ug/ml
14) TZM C-26	14.17	12993295	37.989 ug/ml
15) TZM C-28	15.70	11684332	38.931 ug/ml
16) TZM C-30	17.21	10899113	40.335 ug/ml
17) TZM C-36	21.25	8937142	41.522 ug/ml
18) XH C19-C36	11.90	111117905	338.084 ug/ml

591360

(f)=RT Delta > 1/2 Window (m)=manual int.

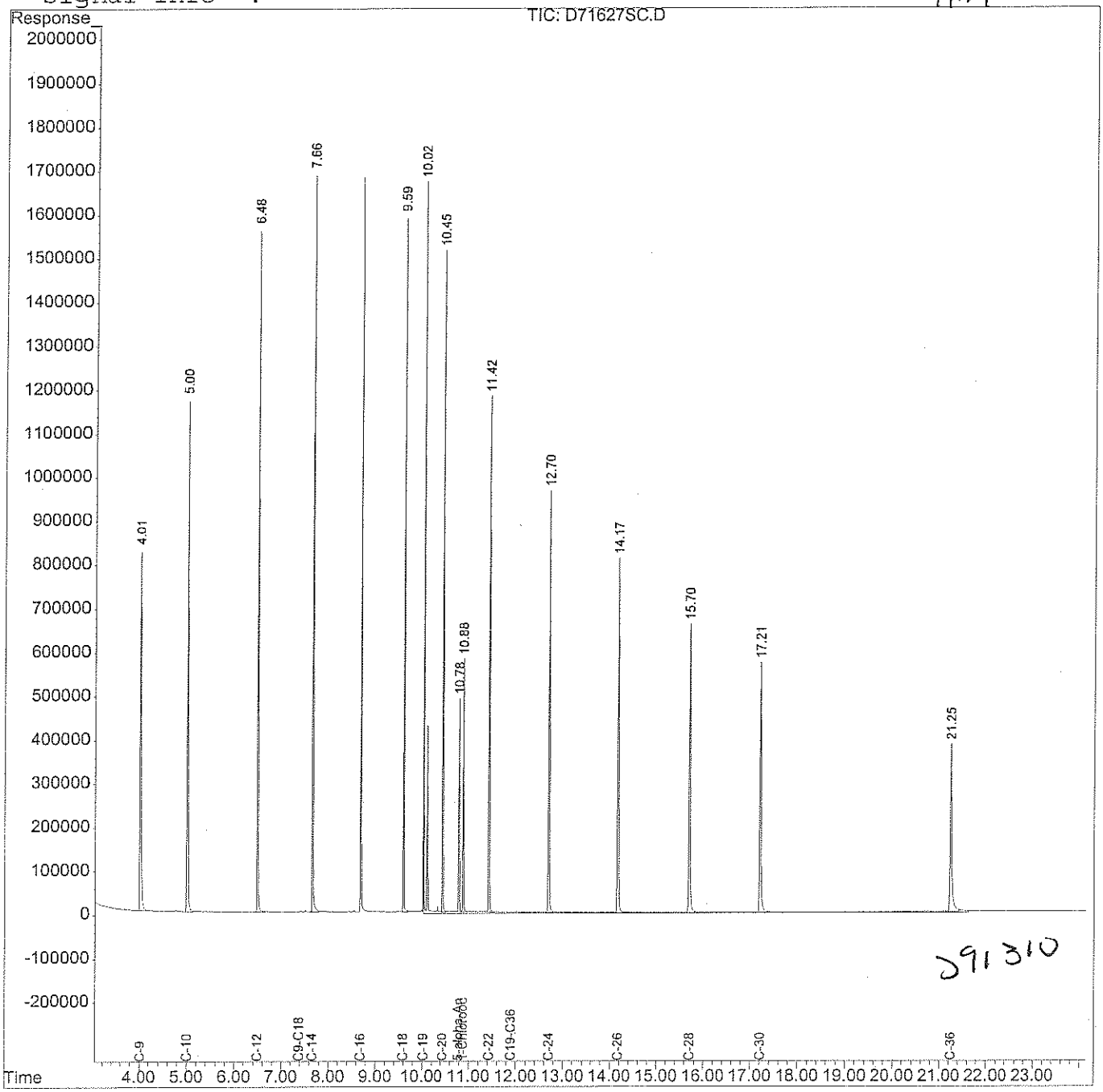
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71627SC.D Vial: 2
Acq On : 11 Sep 2010 7:31 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 12 13:27 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

AR 9/12/10



091310

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

9/14/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: D71628SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.0	5.0	
2-Methylnaphthalene	19.9	0.3	
Acenaphthylene	20.4	2.1	
Acenaphthene	20.7	3.4	
Fluorene	20.9	4.5	
Phenanthrene	21.6	7.9	
Anthracene	20.8	4.1	
2-Fluorobiphenyl	12.6	5.3	
2-Bromonaphthalene	13.1	9.0	
o-terphenyl	8.6	7.9	
Fluoranthene	21.3	6.5	
Pyrene	21.3	6.5	
Benzo[a]anthracene	22.3	11.7	
Chrysene	20.7	3.6	
Benzo[b] fluoranthene	20.2	1.2	
Benzo[k] fluorantheue	21.5	7.3	
Benzo[a] pyrene	20.5	2.4	
Indeno [1,2,3-cd] pyrene	20.8	4.1	
Dibenz [a,h] anthracene	21.5	7.7	
Benzo(g,h,i) perylene	21.3	6.7	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 091310

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71628SC.D
Acq On : 11 Sep 2010 8:01 pm
Sample : S10041 ARO 20
Misc :
Integration Params: RTEINT.P
Quant Time: Sep 12 13:30 2010

Vial: 3
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

MC 9/12/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.78	95	35328	20.00 ug/ml	-0.01
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.58	172	118048	12.63 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 63.15%		
10) 2-Bromonaphthalene	8.25	206	50621	13.08 ug/ml	-0.02
Spiked Amount 20.000	Range 40 - 140		Recovery = 65.40%		
11) o-terphenyl	10.10	230	47242	8.63 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 43.15%		

Target Compounds					Qvalue
2) Naphthalene	6.52	128	299434	21.01 ug/ml	100
3) 2-Methylnaphthalene	7.22	141	154828	19.93 ug/ml	97
4) Acenaphthylene	8.11	152	273841	20.41 ug/ml	99
5) Acenaphthene	8.29	154	154814	20.68 ug/ml	100
6) Fluorene	8.80	166	181794	20.90 ug/ml	99
7) Phenanthrene	9.75	178	253054	21.59 ug/ml	99
8) Anthracene	9.80	178	254059	20.83 ug/ml	100
12) Fluoranthene	11.06	202	259804	21.29 ug/ml	98
13) Pyrene	11.37	202	266829	21.29 ug/ml	98
14) Benzo[a]anthracene	13.51	228	215095	22.35 ug/ml	98
15) Chrysene	13.59	228	210509	20.71 ug/ml	99
16) Benzo[b] fluoranthene	15.83	252	170762	20.24 ug/ml	100
17) Benzo[k] fluoranthene	15.89	252	185434	21.46 ug/ml	99
18) Benzo[a] pyrene	16.51	252	162415	20.48 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	18.80	276	133163	20.82 ug/ml	98
20) Dibenz [a,h] anthracene	18.86	278	141103	21.54 ug/ml	99
21) Benzo(g,h,i) perylene	19.31	276	151925	21.33 ug/ml	98

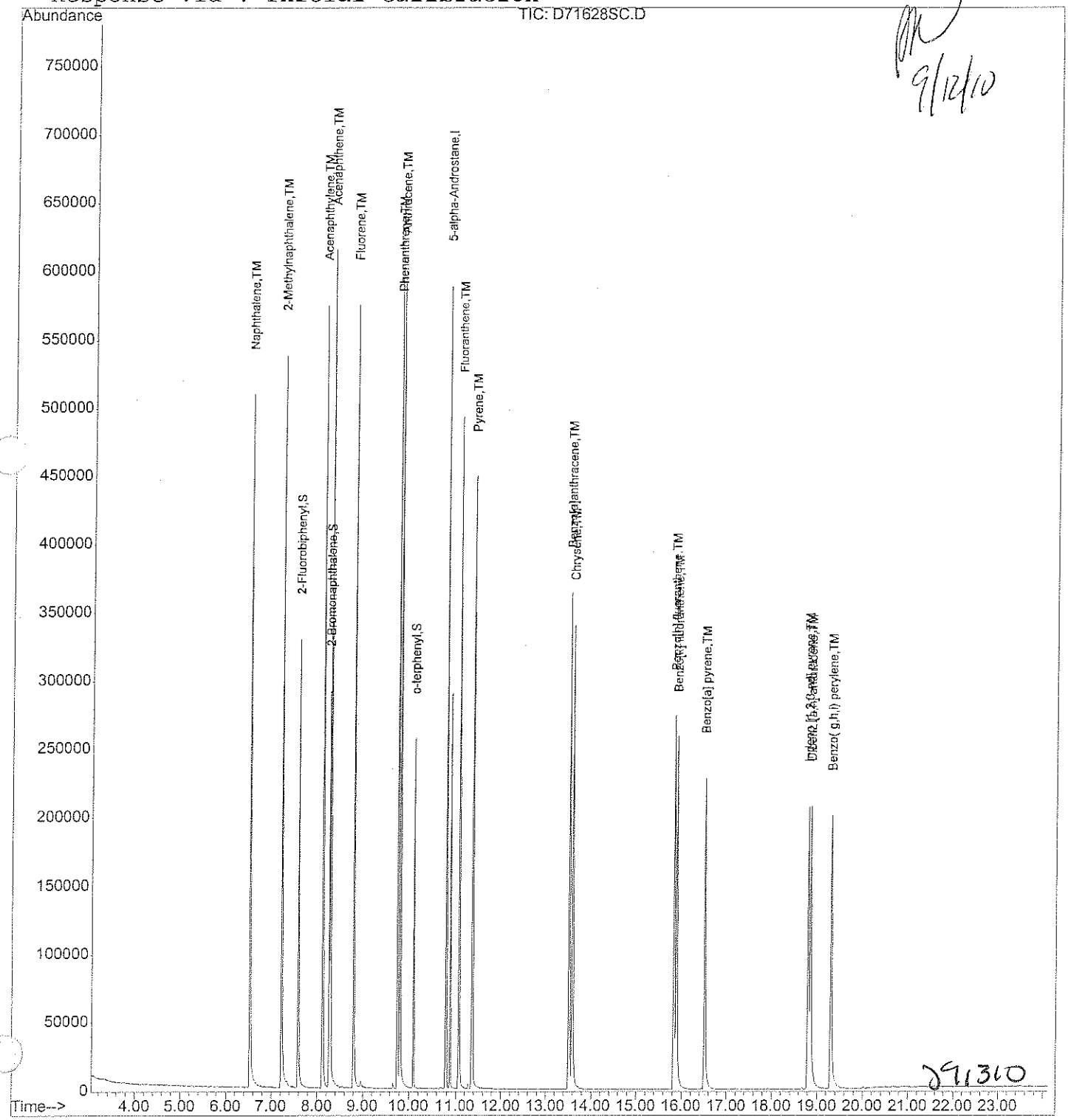
D91310

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091010-D\D71628SC.D Vial: 3
Acq On : 11 Sep 2010 8:01 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 12 13:30 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/12/10

D91310

9/12/10

GC AROMATIC CLOSING CONT CALIBRATION CHECK

Data File Name D71628SC.D
Sample Name S10041 ARO 20
Date Acquired 9/11/2010 8:01

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 4 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.09	20	0	20	OK	20.09		
2-Methylnaphthalene	19.94	20	0	20	OK	19.94		
Acenaphthylene	19.90	20	1	20	OK	19.90		
Acenaphthene	19.98	20	0	20	OK	19.98		
Fluorene	20.26	20	1	20	OK	20.26		
Phenanthrene	20.76	20	4	20	OK	20.76		
Anthracene	20.95	20	5	20	OK	20.95		
Fluoranthene	20.56	20	3	20	OK	20.56		
Pyrene	20.71	20	4	20	OK	20.71		
Benzo[a]anthracene	19.91	20	0	20	OK	19.91		
Chrysene	20.47	20	2	20	OK	20.47		
Benzo[b] fluoranthene	19.98	20	0	20	OK	19.98		
Benzo[k] fluoranthene	19.56	20	2	20	OK	19.56		
Benzo[a] pyrene	19.26	20	4	20	OK	19.26		
Indeno [1,2,3-cd] pyrene	21.20	20	6	20	OK	21.20		
Dibenz [a,h] anthracene	20.91	20	5	20	OK	20.91		
Benzo(g,h,i) perylene	20.25	20	1	20	OK	20.25		
c11-c22		340				**344.70**	101%	OK

091310

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71628SC.D Vial: 3
Acq On : 11 Sep 2010 8:01 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:42 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Sun Sep 12 13:38:37 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PM 9/12/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6634660	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.58	3965699	12.113 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	60.57%
10) S 2-Bromonaphthalene	8.26	3354424	14.736 ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	73.68%
11) S o-terphenyl	10.10	2591248	8.340 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	41.70%
Target Compounds			
2) TZ Naphthalene	6.53	7181157	20.091 ug/ml
3) TZ 2-Methylnaphthalene	7.22	6895100	19.938 ug/ml
4) TZ Acenaphthylene	8.12	6508411	19.899 ug/ml
5) TZ Acenaphthene	8.29	7546050	19.985 ug/mlm
6) TZ Fluorene	8.80	6424505	20.260 ug/ml
7) TZ Phenanthrene	9.75	6765687	20.762 ug/ml
8) TZ Anthracene	9.81	6929975	20.952 ug/ml
12) TZ Fluoranthene	11.06	6607464	20.561 ug/ml
13) TZ Pyrene	11.37	6832453	20.709 ug/ml
14) TZ Benzo[a]anthracene	13.52	5830885	19.915 ug/ml
15) TZ Chrysene	13.59	6309529	20.470 ug/ml
16) TZ Benzo[b] fluoranthene	15.83	4802603	19.982 ug/ml
17) TZ Benzo[k] fluoranthene	15.89	5289692	19.561 ug/ml
18) TZ Benzo[a] pyrene	16.51	4591040	19.255 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.80	4121460	21.196 ug/mlm
20) TZ Dibenz [a,h] anthracene	18.86	4672175	20.915 ug/mlm
21) TZ Benzo(g,h,i) perylene	19.31	4630190	20.247 ug/ml
22) XH c11-c22	11.73	106420449	368.079 ug/ml

D71310

(f)=RT Delta > 1/2 Window (m)=manual int.

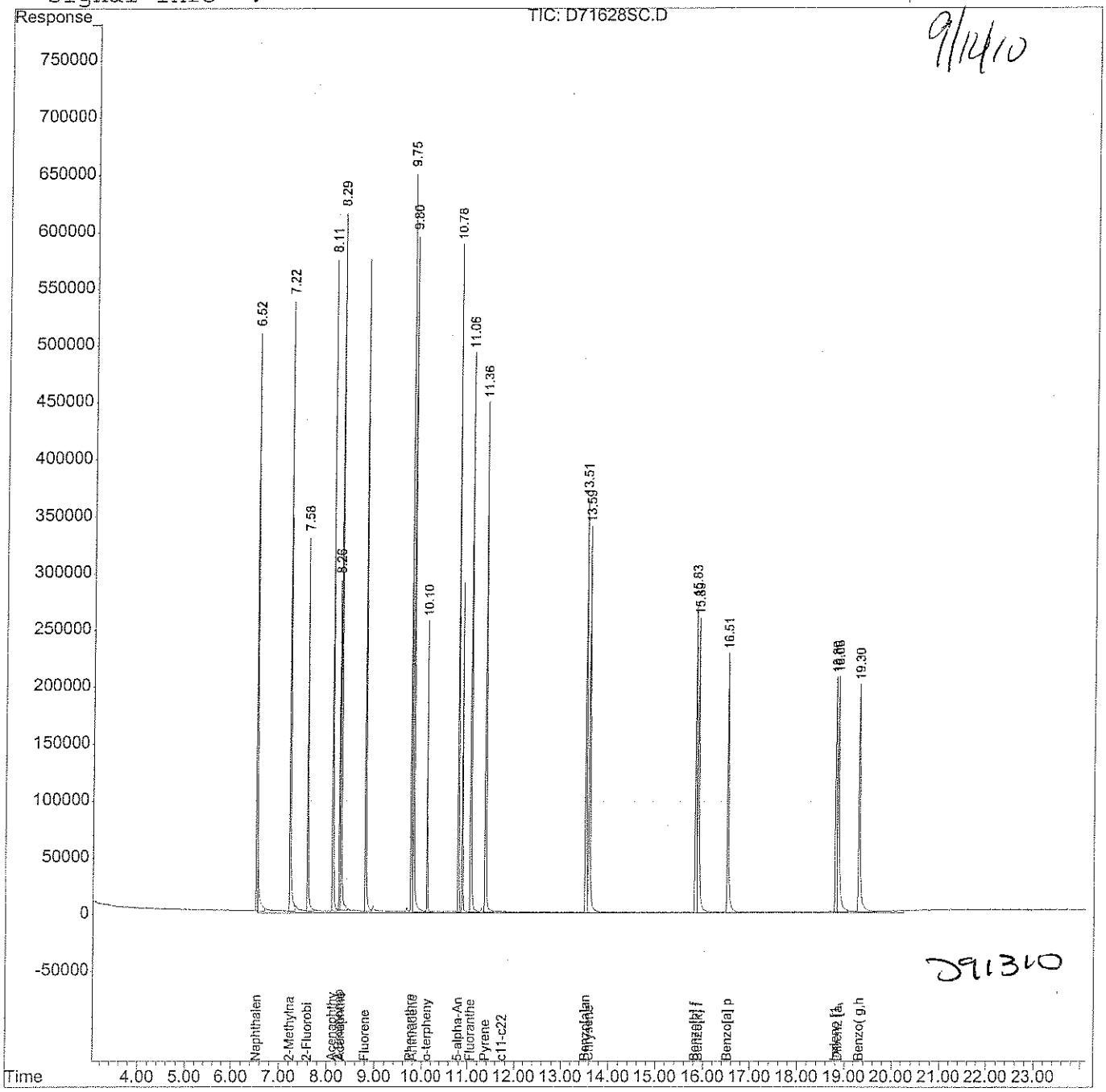
Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\091010-D\D71628SC.D Vial: 3
Acq On : 11 Sep 2010 8:01 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:42 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Sun Sep 12 13:38:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/14/10

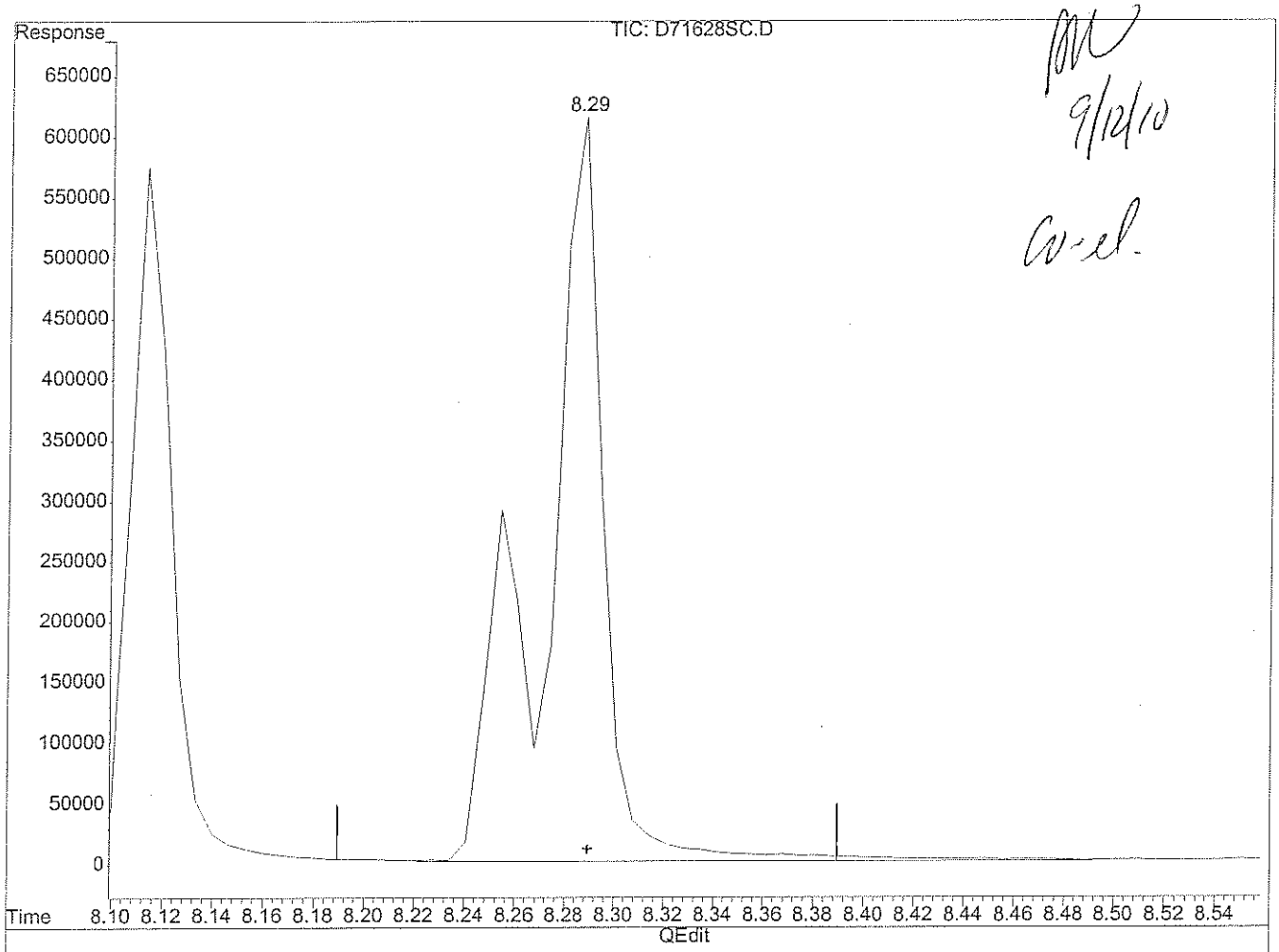


091310

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71628SC.D Vial: 3
Acq On : 11 Sep 2010 8:01 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:39 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Sun Sep 12 13:38:37 2010
Response via : Multiple Level Calibration



9/12/10

(5) Acenaphthene (TZ)

8.29min 28.068ug/ml

response 10519162

091310

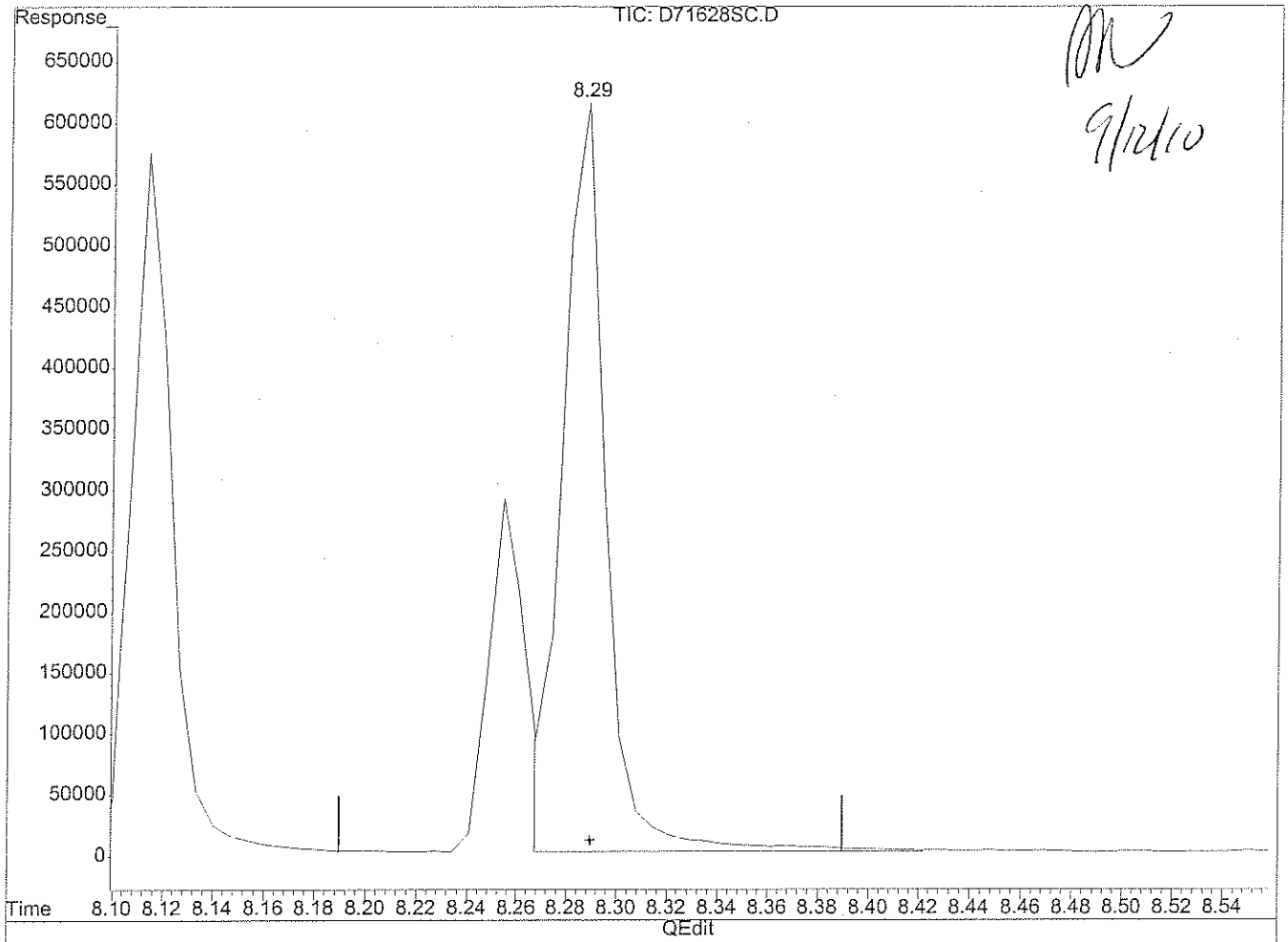
(+) = Expected Retention Time

D71628SC.D ARG80410.M Sun Sep 12 13:40:53 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71628SC.D Vial: 3
Acq On : 11 Sep 2010 8:01 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:39 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Sun Sep 12 13:38:37 2010
Response via : Multiple Level Calibration



9/12/10

(5) Acenaphthene (TZ)

8.29min 19.985ug/ml m

response 7546050

29130

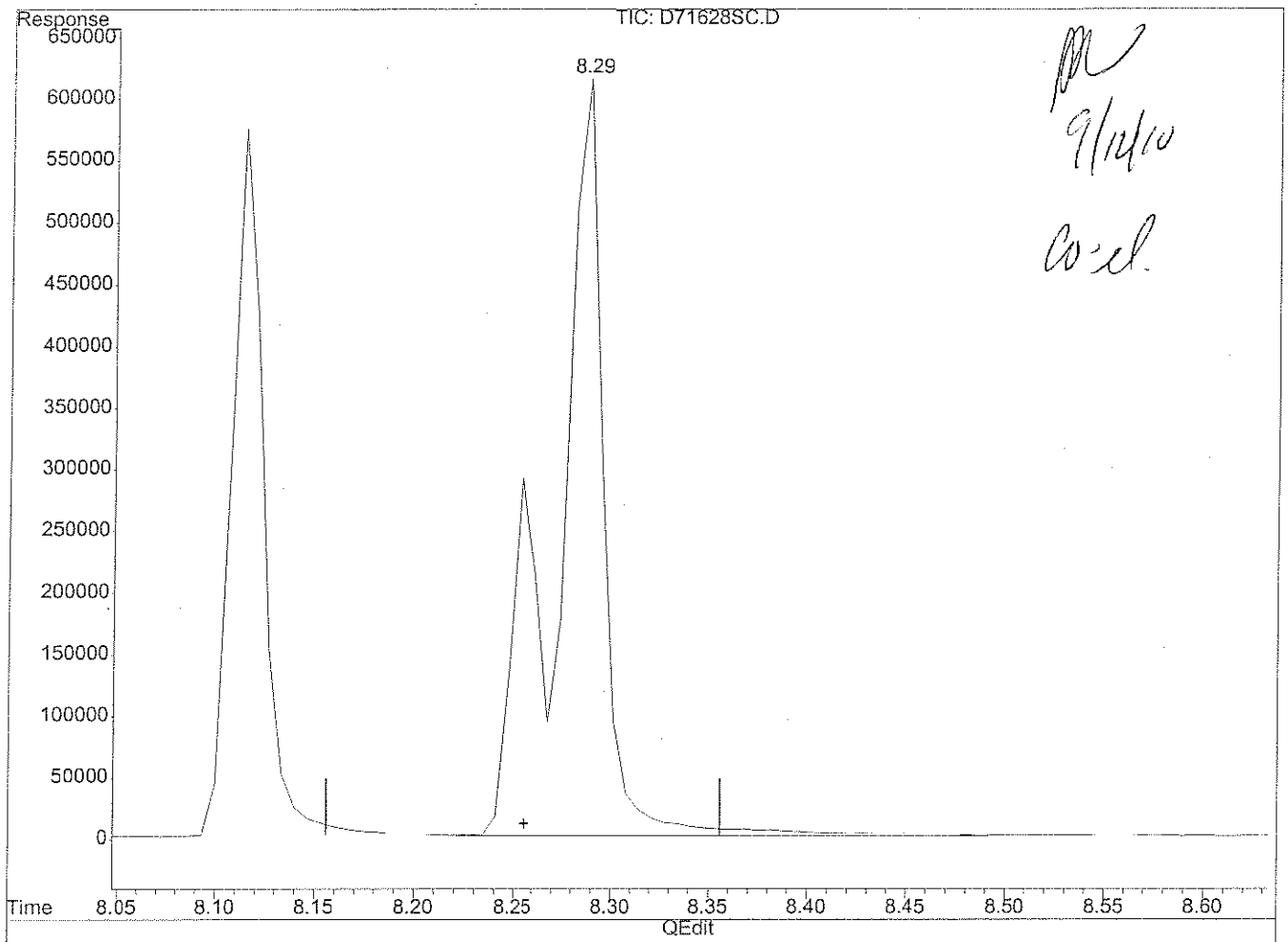
(+) = Expected Retention Time

D71628SC.D ARG80410.M Sun Sep 12 13:41:06 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71628SC.D Vial: 3
Acq On : 11 Sep 2010 8:01 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:39 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Sun Sep 12 13:38:37 2010
Response via : Multiple Level Calibration



9/14/10

Co-el.

(10) 2-Bromonaphthalene (S)

8.29min 46.212ug/ml

response 10519162

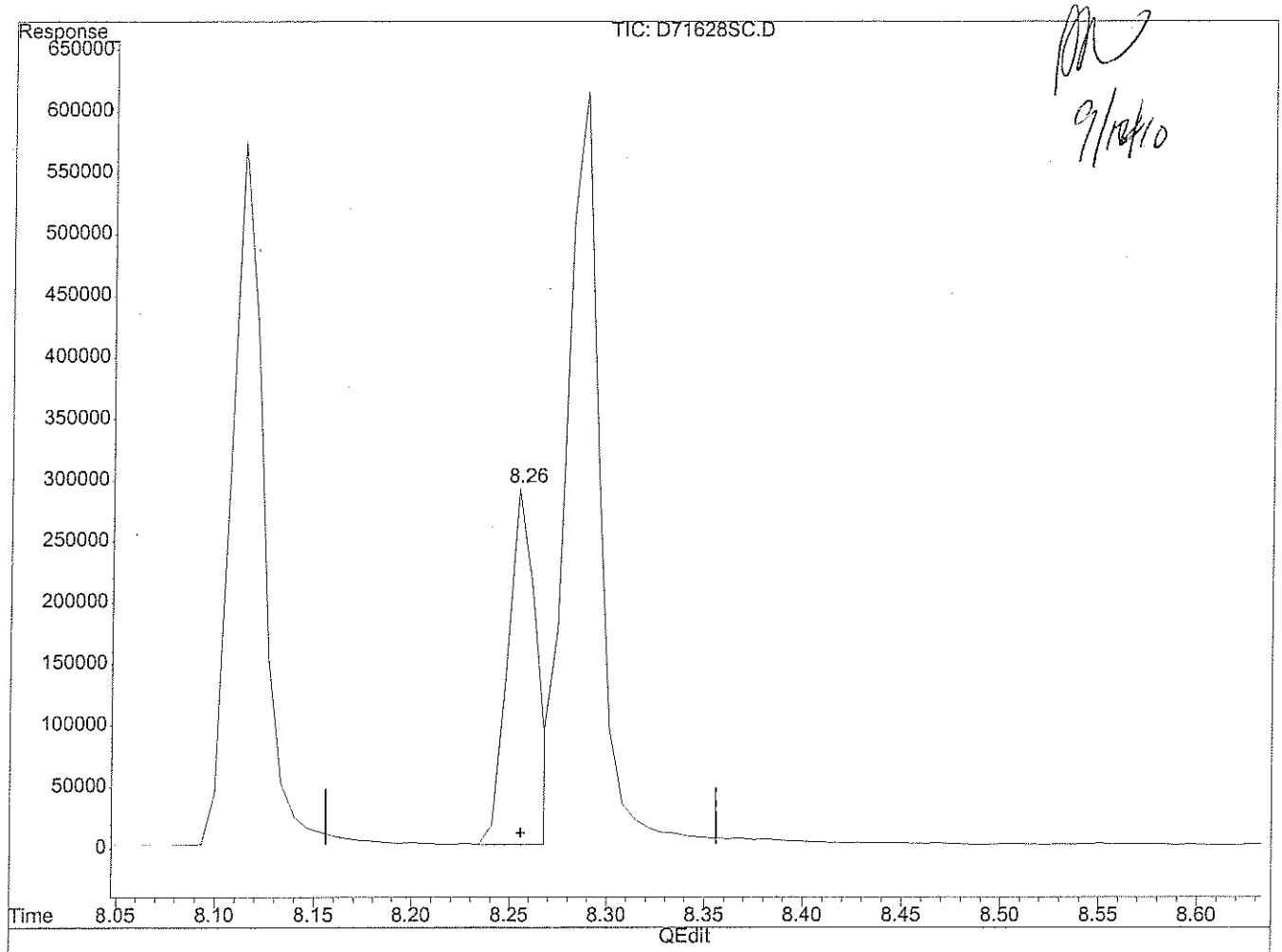
091310

(+) = Expected Retention Time
D71628SC.D ARG80410.M Sun Sep 12 13:41:13 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71628SC.D Vial: 3
Acq On : 11 Sep 2010 8:01 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:39 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Sun Sep 12 13:38:37 2010
Response via : Multiple Level Calibration



9/10/10

(10) 2-Bromonaphthalene (S)

8.26min 14.736ug/ml m

response 3354424

091310

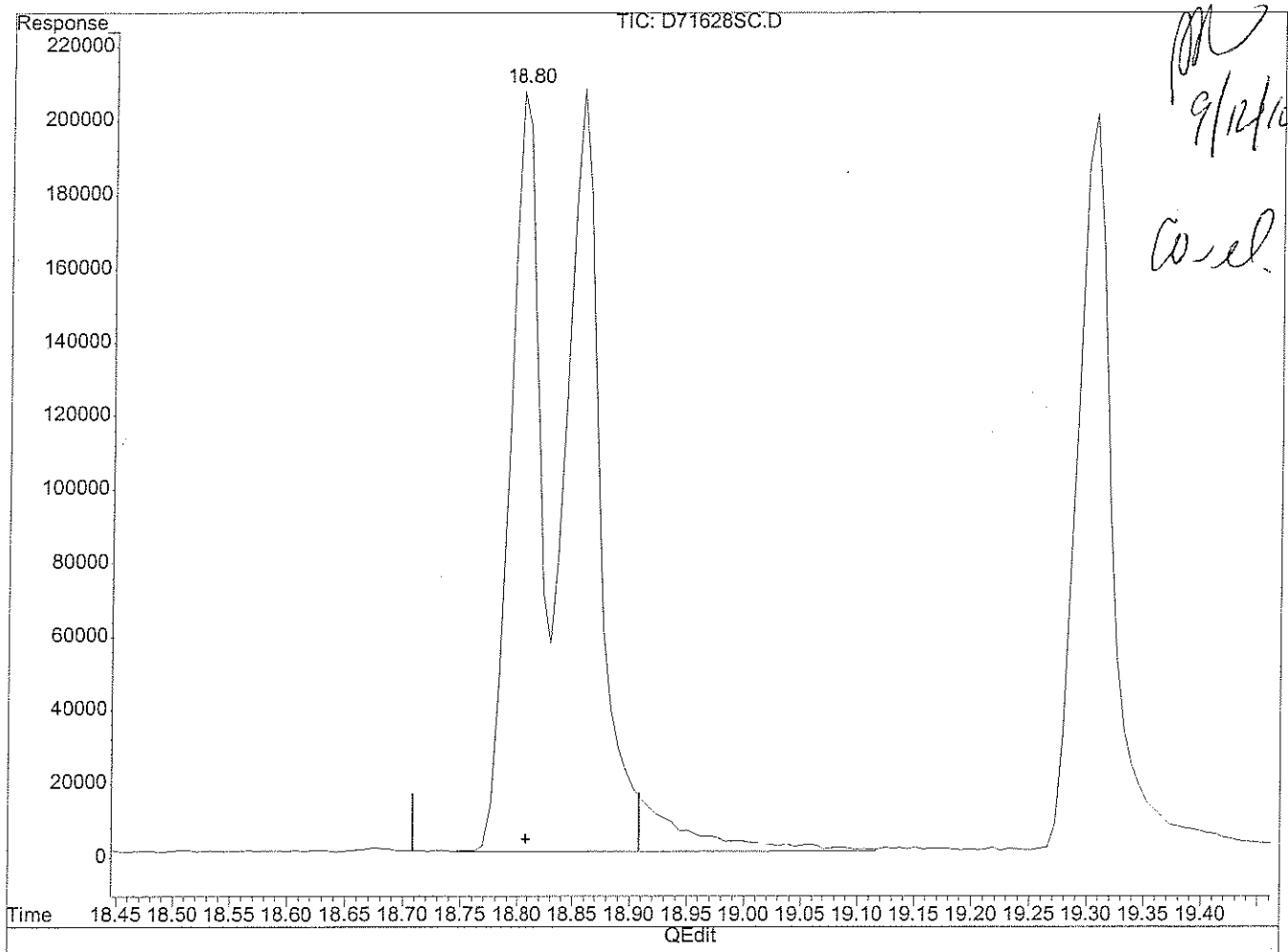
(+) = Expected Retention Time

D71628SC.D ARG80410.M Sun Sep 12 13:41:26 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71628SC.D Vial: 3
Acq On : 11 Sep 2010 8:01 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:39 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Sun Sep 12 13:38:37 2010
Response via : Multiple Level Calibration



9/12/10

Co-el.

(19) Indeno [1,2,3-cd] pyrene (TZ)

18.81min 43.565ug/ml

response 8638774

D91310

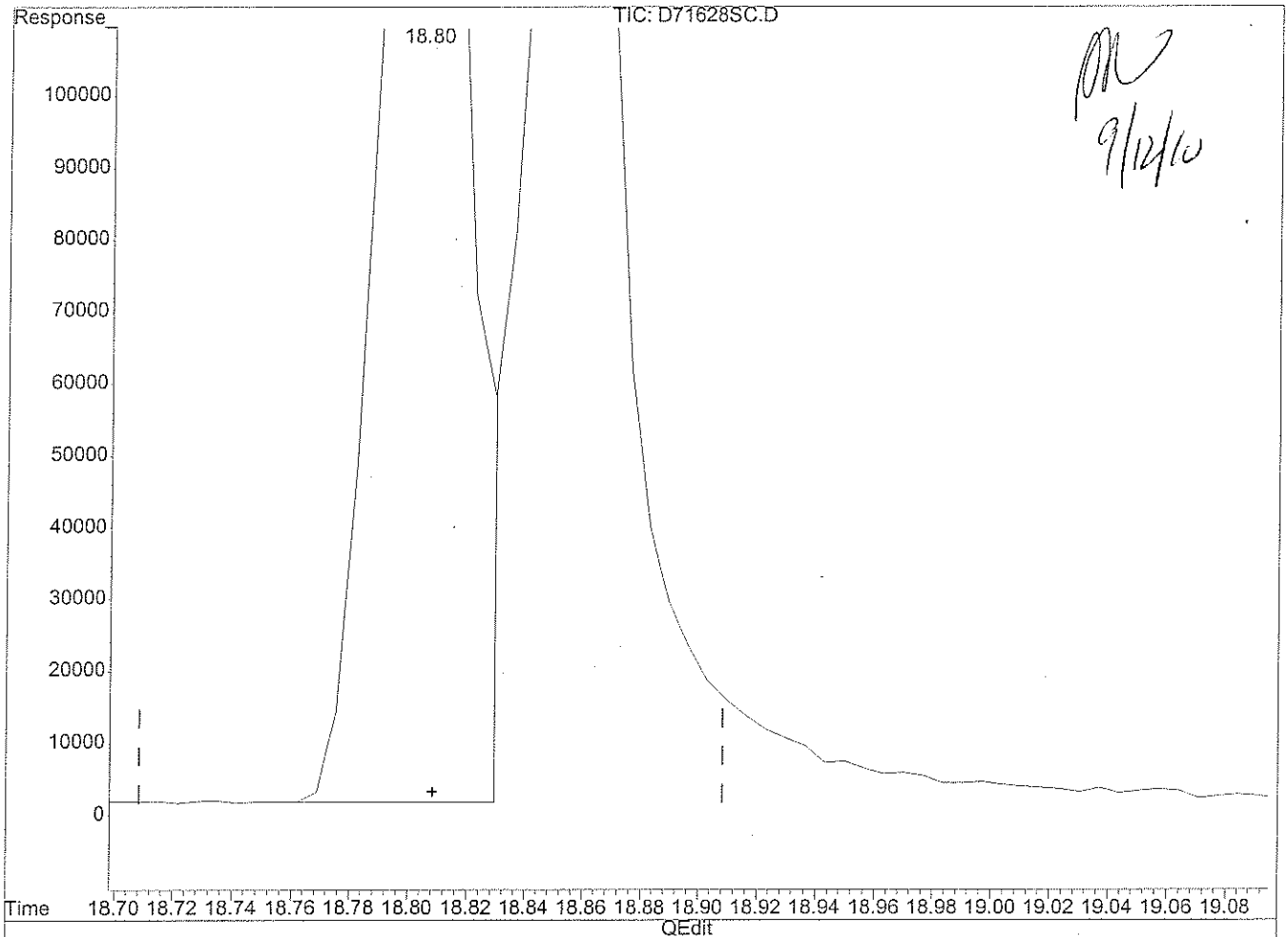
(+) = Expected Retention Time

D71628SC.D ARG80410.M Sun Sep 12 13:41:36 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71628SC.D Vial: 3
Acq On : 11 Sep 2010 8:01 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:39 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Sun Sep 12 13:38:37 2010
Response via : Multiple Level Calibration



9/12/10

(19) Indeno [1,2,3-cd] pyrene (TZ)

18.80min 21.196ug/ml m

response 4121460

D91310

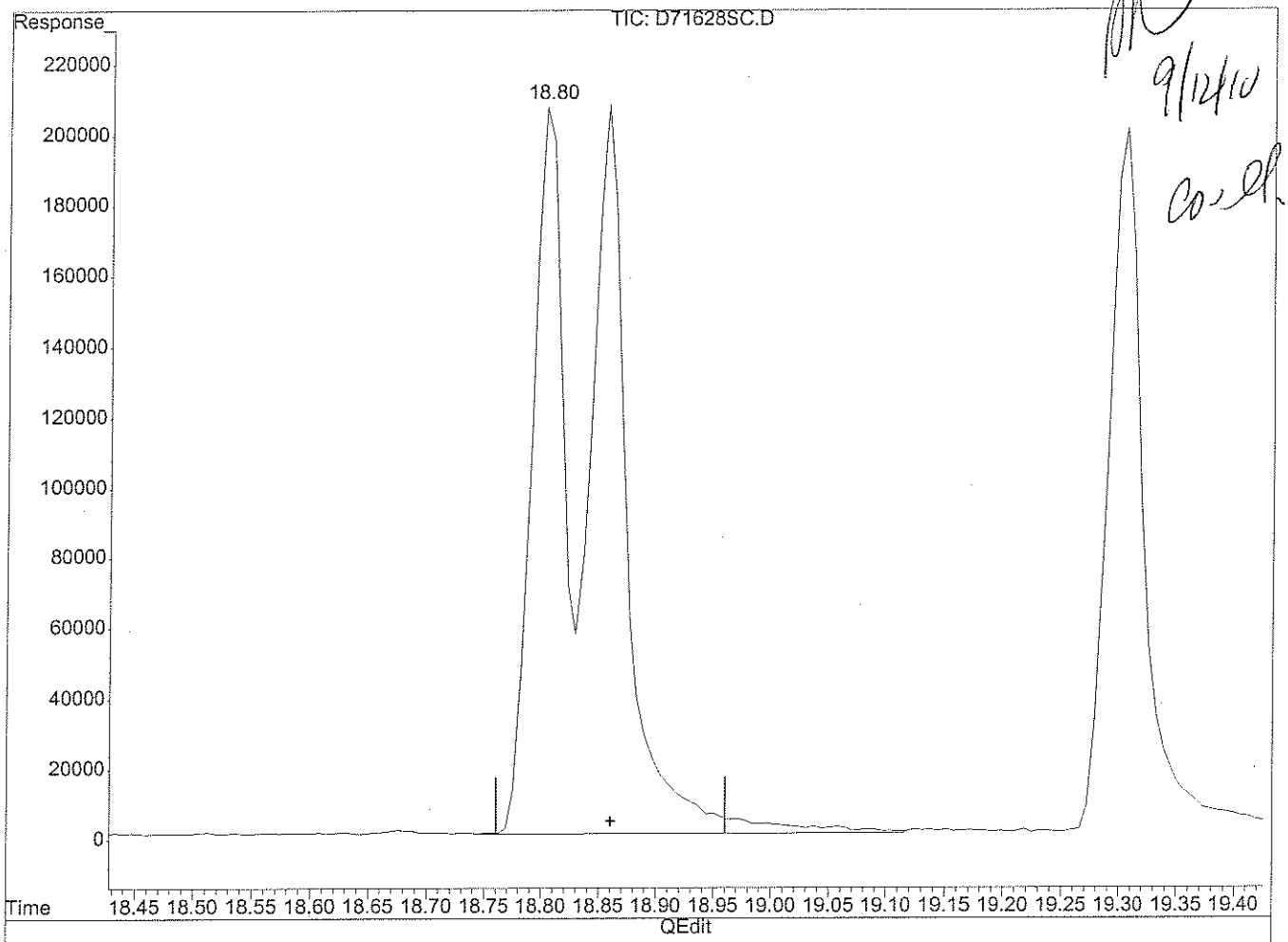
(+) = Expected Retention Time

D71628SC.D ARG80410.M Sun Sep 12 13:41:55 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71628SC.D Vial: 3
Acq On : 11 Sep 2010 8:01 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:39 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Sun Sep 12 13:38:37 2010
Response via : Multiple Level Calibration



9/12/10

(20) Dibenz [a,h] anthracene (TZ)

18.81min 38.671ug/ml

response 8638774

D91310

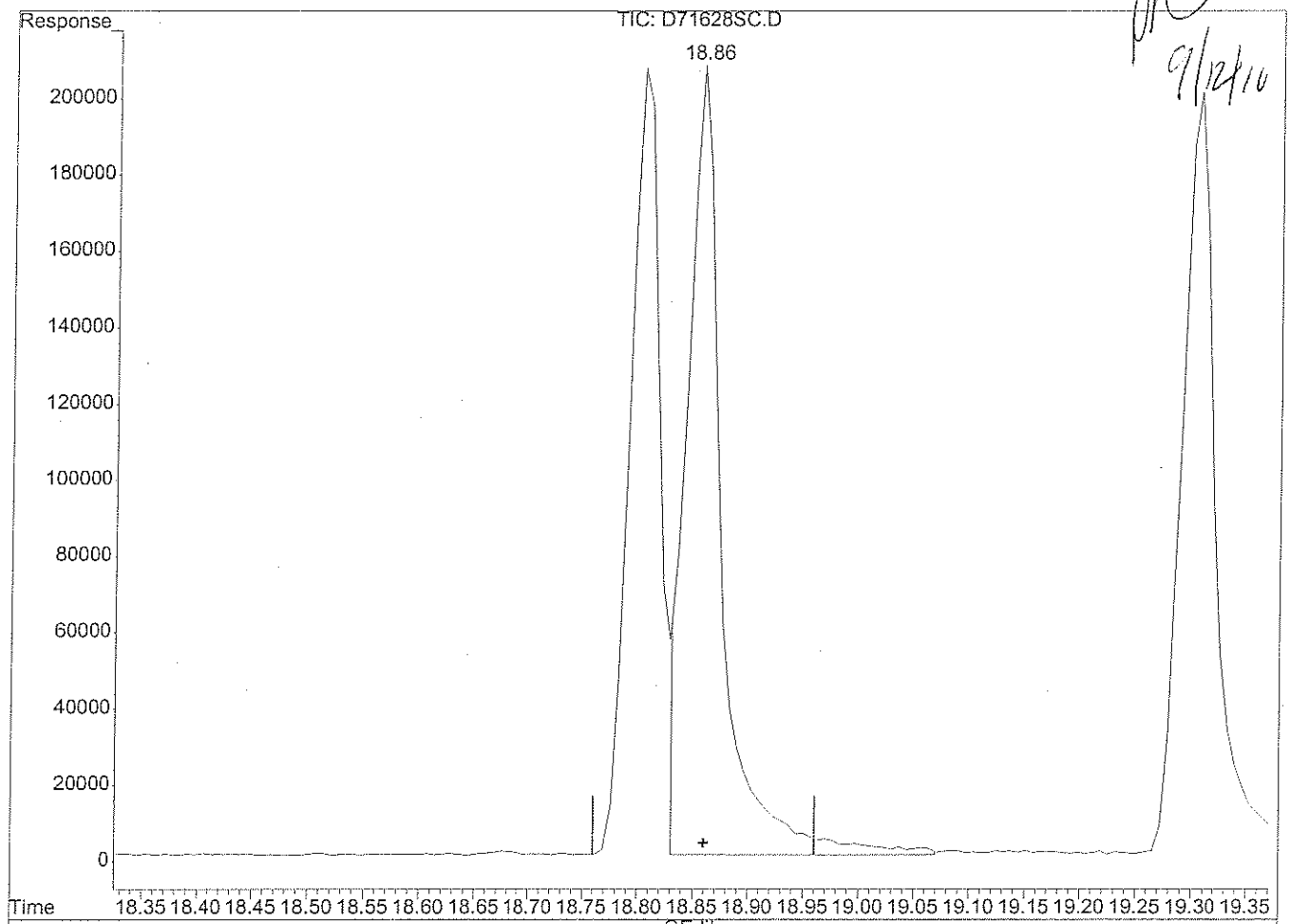
(+) = Expected Retention Time

D71628SC.D ARG80410.M Sun Sep 12 13:41:59 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091010-D\D71628SC.D Vial: 3
Acq On : 11 Sep 2010 8:01 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 12 13:39 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Sun Sep 12 13:38:37 2010
Response via : Multiple Level Calibration



9/12/10

(20) Dibenz [a,h] anthracene (TZ)

18.86min 20.915ug/ml m

response 4672175

091310

(+) = Expected Retention Time

D71628SC.D ARG80410.M Sun Sep 12 13:42:15 2010

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67722
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	6995120		11.02	
Upper Limit	13990240		11.08	
Lower limit	3497560		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9700 ALI 5	6392680		11.02	
S9701 ALI 10	6336220		11.02	
S9702 ALI 20	7097680		11.02	
S9704 ALI 50	6719900		11.02	
S9705 ALI 100	6944560		11.02	
S9715 ALI 20 ICV	6985250		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Tune Time : 5 Aug 2010 1:47 am

Daily Calibration File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D

Sh GC

8/6/10

6995120

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71447SI.D	S9700 AL	9*	6392677
D71448SI.D	S9701 AL	19*	6336218
D71449SI.D	S9702 AL	39*	7097682
D71451SI.D	S9704 AL	106	6719901
D71452SI.D	S9705 AL	210*	6944560
D71453.D	S9715 AL	96	6985246

t - fails 12hr time check * - fails criteria

Created: Fri Aug 06 01:53:06 2010 GC MS Ins

DB 8/10

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67722
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	39978		11.02	
Upper Limit	79956		11.08	
Lower limit	19989		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	39531		11.01	
S9707 ARO 5	38539		11.02	
S9708 ARO 10	37361		11.02	
S9937 ARO 20	39978		11.02	
S9710 ARO 50	35122		11.02	
S9711 ARO 100	33554		11.02	
S9716 ARO 20 ICV	30229		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA QC Check Report

Tune File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Tune Time : 5 Aug 2010 1:47 am

SRO MS

Daily Calibration File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D

MV 8/6/10

39978

File	Sample	Surrogate Recovery %			Internal Standard Responses
D71454SI.D	S9706 AR	6*	5*	4*	39531
D71455SI.D	S9707 AR	14*	14*	9*	38539
D71456SI.D	S9708 AR	29*	29*	20*	37361
D71458SI.D	S9710 AR	158*	158*	103	35122
D71459SI.D	S9711 AR	323*	334*	223*	33554
D71460.D	S9716 AR	0*	0*	116	30229

t - fails 12hr time check * - fails criteria

Created: Fri Aug 06 00:58:33 2010 GC MS Ins

20900

GC/MS QA QC Check Report

Tune File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Tune Time : 5 Aug 2010 1:47 am

SRO GC

Daily Calibration File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D

8/6/10

7445710

File	Sample	Surrogate Recovery %			Internal Standard Responses
D71454SI.D	S9706 AR	5*	4*	3*	7321140
D71455SI.D	S9707 AR	14*	8*	7*	7034296
D71456SI.D	S9708 AR	28*	24*	14*	6843375
D71458SI.D	S9710 AR	149*	149*	72	6487126
D71459SI.D	S9711 AR	310*	313*	151*	6270986
D71460.D	S9716 AR	1*	170*	110	5726956

t - fails 12hr time check * - fails criteria

Created: Fri Aug 06 01:54:22 2010 GC MS Ins

5896

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67722
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	5486580		10.80	
Upper Limit	10973160		10.86	
Lower limit	2743290		10.74	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	5854950		10.79	
B090910EASE	5519860		10.79	
L090910EASE	5370290		10.79	
LD090910EASE	5600070		10.79	
67722-1	6600170		10.80	
67722-2	5983110		10.79	
67722-3	7088580		10.80	
67722-4	6918830		10.80	
S10042 ALI 40	6225380		10.79	
S10042 ALI 40	5911010		10.79	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\091010-D\D71582T.D
Tune Time : 10 Sep 2010 8:36 pm

Daily Calibration File : D:\HPCHEM\1\DATA\091010-D\D71583SC.D

5486580

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71585.D	HEXANE W	1*	5854949
D71586B.D	B090910E	69	5519857
D71587Q.D	L090910E	66	5370291
D71588Q.D	LD090910	71	5600074
D71592.D	67722-1	68	6600169
D71594.D	67722-2	68	5983114
D71596.D	67722-3	52	7088585
D71598.D	67722-4	59	6918831
D71600SC.D	S10042 A	79	6225376
D71602SC.D	S10042 A	79	5911007

t - fails 12hr time check * - fails criteria

Created: Sun Sep 12 12:13:39 2010 GC MS Ins

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67722
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	30887		10.79	
Upper Limit	61774		10.85	
Lower limit	15444		10.73	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	30874		10.79	
B090910EASE	30441		10.79	
L090910EASE	30346		10.79	
LD090910EASE	31454		10.79	
67722-1	31732		10.79	
67722-2	31879		10.79	
67722-3	30683		10.79	
67722-4	30327		10.79	
S10041 ARO 20	33103		10.79	
S10041 ARO 20	33189		10.79	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\091010-D\D71582T.D
Tune Time : 10 Sep 2010 8:36 pm

SRO MS

Daily Calibration File : D:\HPCHEM\1\DATA\091010-D\D71584SC.D

9/12/10

30887

File	Sample	Surrogate Recovery %			Internal Standard Responses
D71585.D	HEXANE W	0*	0*	0*	30874
D71587Q.D	L090910E	0*	5*	0*	28591
D71588Q.D	LD090910	0*	7*	0*	29653
D71589B.D	B090910E	76	67	83	30441
D71590Q.D	L090910E	65	60	76	30346
D71591Q.D	LD090910	68	63	76	31454
D71593.D	67722-1	66	86	75	31732
D71595.D	67722-2	73	73	79	31879
D71597.D	67722-3	74	82	84	30683
D71599.D	67722-4	70	81	90	30327
D[illegible]601SC.D	S10041 A	65	65	46	33103
D71603SC.D	S10041 A	63	66	46	33189

t - fails 12hr time check * - fails criteria

Created: Sun Sep 12 12:18:07 2010 GC MS Ins

S91360

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\091010-D\D71582T.D ARO6C
Tune Time : 10 Sep 2010 8:36 pm

Daily Calibration File : D:\HPCHEM\1\DATA\091010-D\D71584SC.D

9/12/10

5867540

File	Sample	Surrogate Recovery %			Internal Standard Responses	
D71585.D	HEXANE W	0*	1*	1*	5866337	
D71589B.D	B090910E	72	78	79	5713319	
D71593.D	67722-1	64	258*	74	6210310	matrix interference
D71595.D	67722-2	72	98	76	5967482	
D71597.D	67722-3	121	254*	75	6297420	matrix interference
D71599.D	67722-4	107	266*	82	6130837	
D71601SC.D	S10041 A	61	65	43	6288691	
D71603SC.D	S10041 A	59	63	43	6302752	

t - fails 12hr time check * - fails criteria

Created: Sun Sep 12 12:14:31 2010 GC MS Ins

591310

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67722
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	5779390		10.79	
Upper Limit	11558780		10.85	
Lower limit	2889695		10.73	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	5715550		10.79	
B090910EASE,,RR	5671010		10.79	
67722-1	5369430		10.79	
67722-2	5656960		10.79	
67722-3	5483670		10.79	
67722-4	5638290		10.79	
67722-2,MS	5996990		10.79	
67722-2,MSD	6109150		10.79	
S10042 ALI 40	6277490		10.79	
S10042 ALI 40	5965630		10.79	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\091010-D\D71605T.D
Tune Time : 11 Sep 2010 8:33 am

Daily Calibration File : D:\HPCHEM\1\DATA\091010-D\D71606SC.D

5779390

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71608.D	HEXANE W	0*	5715552
D71609B.D	B090910E	64	5671015
D71611.D	67722-1 20X	2*	5369433
D71612.D	67722-2 5X	12*	5656956
D71613.D	67722-3 25X	3*	5483667
D71614.D	67722-4 25X	3*	5638294
D71617.D	67659-1	58	5661390
D71619.D	67659-2	41	6239090
D71621SP.D	67722-2,	63	5996990
D71622SP.D	67722-2,	60	6109150
D71625SC.D	S10042 A	80	6277490
D71627SC.D	S10042 A	82	5965634

t - fails 12hr time check * - fails criteria

Created: Sun Sep 12 14:00:06 2010 GC
MS Ins

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67722
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	32176		10.79	
Upper Limit	64352		10.85	
Lower limit	16088		10.73	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	30167		10.78	
B090910EASE,,RR	26611		10.79	
67722-3	27873		10.79	
67722-4	29342		10.78	
67722-2,MS	32380		10.78	
67722-2,MSD	31374		10.78	
S10041 ARO 20	34936		10.78	
S10041 ARO 20	35328		10.78	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\091010-D\D71605T.D No MS
Tune Time : 11 Sep 2010 8:33 am

Daily Calibration File : D:\HPCHEM\1\DATA\091010-D\D71607SC.D

9/12/10

32176

File	Sample	Surrogate Recovery %			Internal Standard Responses
No Quant Results for D:\HPCHEM\1\DATA\091010-D\D71608.D					
D71610B.D	B090910E	83	74	91	26611
D71615.D	67722-3 4X	19*	20*	21*	27873
D71616.D	67722-4 2X	36*	38*	41	29342
D71618.D	67659-1	72	72	77	31941
D71620.D	67659-2	66	66	70	32322
D71623SP.D	67722-2,	77	75	83	32380
D71624SP.D	67722-2,	72	74	72	31374
D71626SC.D	S10041 A	64	65	44	34936
D71628SC.D	S10041 A	63	65	43	35328

t - fails 12hr time check * - fails criteria

Created: Sun Sep 12 14:02:51 2010 GC MS Ins

091310

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\091010-D\D71605T.D
Tune Time : 11 Sep 2010 8:33 am

SRO GC

Daily Calibration File : D:\HPCHEM\1\DATA\091010-D\D71607SC.D

9/12/10

6269670

File	Sample	Surrogate Recovery %			Internal Standard Responses
D71608.D	HEXANE W	0*	0*	1*	5740114
D71610B.D	B090910E	76	80	81	5212684
D71615.D	67722-3 4X	33*	66	21*	5532195
D71616.D	67722-4 2X	55	117	39*	5724820
D71618.D	67659-1	80	96	76	6067214
D71620.D	67659-2	72	90	66	6243781
D71626SC.D	S10041 A	61	64	42	6556046
D71628SC.D	S10041 A	61	74	42	6634660

t - fails 12hr time check * - fails criteria

Created: Sun Sep 12 14:01:51 2010 GC
MS Ins

091310

SUBCONTRACTED REPORTS
&
NARRATIVES

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-61109-1

SDG Number: 67722

Job Description: South Weymouth B82

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
9/28/2010 6:01 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
09/28/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

TestAmerica Laboratories, Inc.
TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Table of Contents

Cover Title Page 1

Data Summaries 4

- Report Narrative 4
- Sample Summary 5
- Executive Summary 6
- Method Summary 8
- Method / Analyst Summary 9
- Sample Datasheets 10
- QC Data Summary 14
- Data Qualifiers 25
- QC Association Summary 26
- Lab Chronicle 28

Inorganic Sample Data 31

- Metals Data 31
  - Met Cover Page 32
  - Met Sample Data 33
  - Met QC Data 37
    - Met ICV/CCV 37
    - Met CRQL 43
    - Met Blanks 46
    - Met ICSA/ICSAB 55
    - Met MS/MSD/PDS 63
    - Met LCS/LCSD 66
    - Met Serial Dilution 69
  - Met MDL 70
  - Met Linear Ranges 74

Table of Contents

Met Preparation Log 75

Met Analysis Run Log 78

Met Raw Data 88

Met Prep Data 350

Shipping and Receiving Documents 356

Client Chain of Custody 357

Sample Receipt Checklist 358

Job Narrative
680-61109-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
Method(s) 6010C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 680-179614 were outside control limits for zinc. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010C: Due to the high concentration of aluminum, calcium, iron, and magnesium, the matrix spike / matrix spike duplicate (MS/MSD) for batch 680-179614 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-61109-1	IV-B82-GTM1-01	Solid	09/08/2010 1500	09/10/2010 1010
680-61109-2	IV-B82-GTM2-01	Solid	09/09/2010 1000	09/10/2010 1010
680-61109-2MS	IV-B82-GTM2-01	Solid	09/09/2010 1000	09/10/2010 1010
680-61109-2MSD	IV-B82-GTM2-01	Solid	09/09/2010 1000	09/10/2010 1010
680-61109-3	IV-B82-GTM3-01	Solid	09/09/2010 1400	09/10/2010 1010
680-61109-4	IV-B82-GTM3-11	Solid	09/09/2010 1400	09/10/2010 1010

EXECUTIVE SUMMARY - Detections

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
680-61109-1	**IV-B82-GTM1-01**					
Aluminum		4500		22	mg/Kg	6010C
Nickel		5.5		4.4	mg/Kg	6010C
Lead		4.8		1.1	mg/Kg	6010C
Magnesium		1900		55	mg/Kg	6010C
Iron		7600		22	mg/Kg	6010C
Manganese		110		1.1	mg/Kg	6010C
Potassium		380		110	mg/Kg	6010C
Chromium		7.4		1.1	mg/Kg	6010C
Copper		5.9		2.8	mg/Kg	6010C
Barium		16		1.1	mg/Kg	6010C
Beryllium		0.37	J	0.44	mg/Kg	6010C
Arsenic		1.2	J	2.2	mg/Kg	6010C
Calcium		1100		55	mg/Kg	6010C
Cobalt		3.4		1.1	mg/Kg	6010C
Vanadium		11		1.1	mg/Kg	6010C
Zinc		29		2.2	mg/Kg	6010C
680-61109-2	**IV-B82-GTM2-01**					
Aluminum		5900	J	20	mg/Kg	6010C
Nickel		7.0		4.1	mg/Kg	6010C
Lead		12		1.0	mg/Kg	6010C
Magnesium		2600	J	51	mg/Kg	6010C
Iron		11000	J	20	mg/Kg	6010C
Manganese		160		1.0	mg/Kg	6010C
Potassium		380		100	mg/Kg	6010C
Chromium		12		1.0	mg/Kg	6010C
Copper		10		2.5	mg/Kg	6010C
Barium		15		1.0	mg/Kg	6010C
Beryllium		0.32	J	0.41	mg/Kg	6010C
Arsenic		1.3	J	2.0	mg/Kg	6010C
Cadmium		2.7		0.51	mg/Kg	6010C
Calcium		2700	J	51	mg/Kg	6010C
Cobalt		3.4		1.0	mg/Kg	6010C
Vanadium		13		1.0	mg/Kg	6010C
Zinc		170	J	2.0	mg/Kg	6010C
Hg		0.056	J	0.022	mg/Kg	7471B

EXECUTIVE SUMMARY - Detections

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
680-61109-3	**IV-B82-GTM3-01**					
Aluminum		4600		20	mg/Kg	6010C
Nickel		4.2		4.0	mg/Kg	6010C
Lead		16		1.0	mg/Kg	6010C
Magnesium		2200		50	mg/Kg	6010C
Iron		8300		20	mg/Kg	6010C
Manganese		110		1.0	mg/Kg	6010C
Potassium		280		100	mg/Kg	6010C
Chromium		11		1.0	mg/Kg	6010C
Copper		5.4		2.5	mg/Kg	6010C
Barium		13		1.0	mg/Kg	6010C
Beryllium		0.46		0.40	mg/Kg	6010C
Arsenic		0.96	J	2.0	mg/Kg	6010C
Cadmium		0.40	J	0.50	mg/Kg	6010C
Calcium		2700		50	mg/Kg	6010C
Cobalt		2.8		1.0	mg/Kg	6010C
Vanadium		12		1.0	mg/Kg	6010C
Zinc		24		2.0	mg/Kg	6010C
680-61109-4	**IV-B82-GTM3-11**					
Aluminum		3600		21	mg/Kg	6010C
Nickel		3.6	J	4.2	mg/Kg	6010C
Lead		13		1.1	mg/Kg	6010C
Magnesium		1300		53	mg/Kg	6010C
Iron		6800		21	mg/Kg	6010C
Manganese		95		1.1	mg/Kg	6010C
Potassium		380		110	mg/Kg	6010C
Chromium		5.1		1.1	mg/Kg	6010C
Copper		4.7		2.6	mg/Kg	6010C
Barium		14		1.1	mg/Kg	6010C
Beryllium		0.43		0.42	mg/Kg	6010C
Arsenic		1.1	J	2.1	mg/Kg	6010C
Cadmium		0.33	J	0.53	mg/Kg	6010C
Calcium		910		53	mg/Kg	6010C
Cobalt		2.3		1.1	mg/Kg	6010C
Vanadium		8.6		1.1	mg/Kg	6010C
Zinc		23		2.1	mg/Kg	6010C

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SAV	SW846 7471B	
Preparation, Mercury	TAL SAV		SW846 7471B

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Method	Analyst	Analyst ID
SW846 6010C	Bland, Brian	BCB
SW846 7471B	Eaton, Cliff	CE

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Client Sample ID: IV-B82-GTM1-01

Lab Sample ID: 680-61109-1
Client Matrix: Solid
% Moisture: 12.2

Date Sampled: 09/08/2010 1500
Date Received: 09/10/2010 1010

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-179911		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-179614		Lab File ID:	61109.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	09/11/2010 0233			Final Weight/Volume:	100 mL
Date Prepared:	09/10/2010 1155				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4500		11	22
Antimony		0.59	U	0.59	2.2
Selenium		1.1	U	1.1	2.8
Nickel		5.5		0.34	4.4
Lead		4.8		0.59	1.1
Magnesium		1900		2.7	55
Iron		7600		7.7	22
Manganese		110		0.33	1.1
Potassium		380		8.8	110
Chromium		7.4		0.55	1.1
Copper		5.9		1.2	2.8
Barium		16		0.33	1.1
Beryllium		0.37	J	0.022	0.44
Silver		0.11	U	0.11	1.1
Arsenic		1.2	J	0.65	2.2
Cadmium		0.11	U	0.11	0.55
Calcium		1100		22	55
Cobalt		3.4		0.13	1.1
Sodium		91	U	91	220
Thallium		1.1	U	1.1	2.8
Vanadium		11		0.27	1.1
Zinc		29		1.3	2.2

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-179917		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-179745		Lab File ID:	b091410.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	09/14/2010 1729			Final Weight/Volume:	50 mL
Date Prepared:	09/13/2010 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0090	U	0.0090	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Client Sample ID: IV-B82-GTM2-01

Lab Sample ID: 680-61109-2
Client Matrix: Solid
% Moisture: 9.6

Date Sampled: 09/09/2010 1000
Date Received: 09/10/2010 1010

6010C Metals (ICP)

Method: 6010C
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/11/2010 0239
Date Prepared: 09/10/2010 1155

Analysis Batch: 680-179911
Prep Batch: 680-179614

Instrument ID: ICPD
Lab File ID: 61109.chr
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5900	J	10	20
Antimony		0.54	U	0.54	2.0
Selenium		1.0	U	1.0	2.5
Nickel		7.0		0.31	4.1
Lead		12		0.54	1.0
Magnesium		2600	J	2.4	51
Iron		11000	J	7.1	20
Manganese		160		0.30	1.0
Potassium		380		8.1	100
Chromium		12		0.51	1.0
Copper		10		1.1	2.5
Barium		15		0.30	1.0
Beryllium		0.32	J	0.020	0.41
Silver		0.097	U	0.097	1.0
Arsenic		1.3	J	0.60	2.0
Cadmium		2.7		0.10	0.51
Calcium		2700	J	20	51
Cobalt		3.4		0.12	1.0
Sodium		83	U	83	200
Thallium		1.0	U	1.0	2.5
Vanadium		13		0.24	1.0
Zinc		170	J	1.2	2.0

Method: 6010C
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/18/2010 1216
Date Prepared: 09/16/2010 1350

Analysis Batch: 680-180410
Prep Batch: 680-180131

Instrument ID: ICPD
Lab File ID: 091810.chr
Initial Weight/Volume: 1.08 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Zinc		110	J	1.2	2.0

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471B
Preparation: 7471B
Dilution: 1.0
Date Analyzed: 09/14/2010 1732
Date Prepared: 09/13/2010 1305

Analysis Batch: 680-179917
Prep Batch: 680-179745

Instrument ID: LEEMAN1
Lab File ID: b091410.chr
Initial Weight/Volume: 0.50 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.056	J	0.0091	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Client Sample ID: **IV-B82-GTM3-01**

Lab Sample ID: 680-61109-3
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 09/09/2010 1400
Date Received: 09/10/2010 1010

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-179911		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-179614		Lab File ID:	61109.chr
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Date Analyzed:	09/11/2010 0306			Final Weight/Volume:	100 mL
Date Prepared:	09/10/2010 1155				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4600		10	20
Antimony		0.53	U	0.53	2.0
Selenium		1.0	U	1.0	2.5
Nickel		4.2		0.31	4.0
Lead		16		0.53	1.0
Magnesium		2200		2.4	50
Iron		8300		7.0	20
Manganese		110		0.30	1.0
Potassium		280		8.0	100
Chromium		11		0.50	1.0
Copper		5.4		1.1	2.5
Barium		13		0.30	1.0
Beryllium		0.46		0.020	0.40
Silver		0.096	U	0.096	1.0
Arsenic		0.96	J	0.59	2.0
Cadmium		0.40	J	0.10	0.50
Calcium		2700		20	50
Cobalt		2.8		0.12	1.0
Sodium		82	U	82	200
Thallium		0.99	U	0.99	2.5
Vanadium		12		0.24	1.0
Zinc		24		1.2	2.0

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-179917		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-179745		Lab File ID:	b091410.chr
Dilution:	1.0			Initial Weight/Volume:	0.53 g
Date Analyzed:	09/14/2010 1741			Final Weight/Volume:	50 mL
Date Prepared:	09/13/2010 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0085	U	0.0085	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Client Sample ID: **IV-B82-GTM3-11**

Lab Sample ID: 680-61109-4
Client Matrix: Solid
% Moisture: 8.1

Date Sampled: 09/09/2010 1400
Date Received: 09/10/2010 1010

6010C Metals (ICP)

Method: 6010C
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/11/2010 0311
Date Prepared: 09/10/2010 1155

Analysis Batch: 680-179911
Prep Batch: 680-179614

Instrument ID: ICPD
Lab File ID: 61109.chr
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3600		11	21
Antimony		0.56	U	0.56	2.1
Selenium		1.1	U	1.1	2.6
Nickel		3.6	J	0.33	4.2
Lead		13		0.56	1.1
Magnesium		1300		2.5	53
Iron		6800		7.4	21
Manganese		95		0.32	1.1
Potassium		380		8.5	110
Chromium		5.1		0.53	1.1
Copper		4.7		1.2	2.6
Barium		14		0.32	1.1
Beryllium		0.43		0.021	0.42
Silver		0.10	U	0.10	1.1
Arsenic		1.1	J	0.62	2.1
Cadmium		0.33	J	0.11	0.53
Calcium		910		21	53
Cobalt		2.3		0.13	1.1
Sodium		87	U	87	210
Thallium		1.0	U	1.0	2.6
Vanadium		8.6		0.25	1.1
Zinc		23		1.3	2.1

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471B
Preparation: 7471B
Dilution: 1.0
Date Analyzed: 09/14/2010 1744
Date Prepared: 09/13/2010 1305

Analysis Batch: 680-179917
Prep Batch: 680-179745

Instrument ID: LEEMAN1
Lab File ID: b091410.chr
Initial Weight/Volume: 0.51 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0087	U	0.0087	0.021

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Method Blank - Batch: 680-179614

Method: 6010C
Preparation: 3050B

Lab Sample ID: MB 680-179614/7-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/11/2010 0223
Date Prepared: 09/10/2010 1155

Analysis Batch: 680-179911
Prep Batch: 680-179614
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 61109.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Aluminum	10	U	10	20
Antimony	0.53	U	0.53	2.0
Selenium	1.0	U	1.0	2.5
Nickel	0.31	U	0.31	4.0
Lead	0.53	U	0.53	1.0
Magnesium	2.4	U	2.4	50
Iron	7.0	U	7.0	20
Manganese	0.30	U	0.30	1.0
Potassium	8.0	U	8.0	100
Chromium	0.50	U	0.50	1.0
Copper	1.1	U	1.1	2.5
Barium	0.30	U	0.30	1.0
Beryllium	0.020	U	0.020	0.40
Silver	0.096	U	0.096	1.0
Arsenic	0.59	U	0.59	2.0
Cadmium	0.10	U	0.10	0.50
Calcium	20	U	20	50
Cobalt	0.12	U	0.12	1.0
Sodium	82	U	82	200
Thallium	0.99	U	0.99	2.5
Vanadium	0.24	U	0.24	1.0
Zinc	1.2	U	1.2	2.0

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Lab Control Sample - Batch: 680-179614

Method: 6010C
Preparation: 3050B

Lab Sample ID: LCS 680-179614/8-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/11/2010 0228
Date Prepared: 09/10/2010 1155

Analysis Batch: 680-179911
Prep Batch: 680-179614
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 61109.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	215	107	75 - 125	
Antimony	50.0	52.8	106	75 - 125	
Selenium	200	210	105	75 - 125	
Nickel	50.0	53.5	107	75 - 125	
Lead	50.0	52.6	105	75 - 125	
Magnesium	500	532	106	75 - 125	
Iron	100	111	111	75 - 125	
Manganese	50.0	54.0	108	75 - 125	
Potassium	500	532	106	75 - 125	
Chromium	20.0	21.4	107	75 - 125	
Copper	25.0	27.1	108	75 - 125	
Barium	200	222	111	75 - 125	
Beryllium	5.00	5.26	105	75 - 125	
Silver	5.00	5.33	107	75 - 125	
Arsenic	200	211	105	75 - 125	
Cadmium	5.00	5.25	105	75 - 125	
Calcium	500	530	106	75 - 125	
Cobalt	50.0	53.6	107	75 - 125	
Sodium	500	534	107	75 - 125	
Thallium	200	217	108	75 - 125	
Vanadium	50.0	53.2	106	75 - 125	
Zinc	50.0	53.3	107	75 - 125	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Post Digestion Spike - Batch: 680-179614

Method: 6010C
Preparation: 3050B

Lab Sample ID: 680-61109-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/11/2010 0249
Date Prepared: 09/10/2010 1155

Analysis Batch: 680-179911
Prep Batch: 680-179614
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 61109.chr
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	5900		203	6050	97	75 - 125	
Antimony	0.54	U	50.7	49.8	98	75 - 125	
Selenium	1.0	U	203	198	97	75 - 125	
Nickel	7.0		50.7	56.1	97	75 - 125	
Lead	12		50.7	60.7	96	75 - 125	
Magnesium	2600		507	2990	78	75 - 125	
Iron	11000		101	11000	-6	75 - 125	J
Manganese	160		50.7	206	96	75 - 125	
Potassium	380		507	817	85	75 - 125	
Chromium	12		20.3	32.1	97	75 - 125	
Copper	10		25.4	35.4	100	75 - 125	
Barium	15		203	221	102	75 - 125	
Beryllium	0.32	J	5.07	5.27	97	75 - 125	
Silver	0.097	U	5.07	4.17	82	75 - 125	
Arsenic	1.3	J	203	199	97	75 - 125	
Cadmium	2.7		5.07	7.55	95	75 - 125	
Calcium	2700		507	3050	77	75 - 125	
Cobalt	3.4		50.7	53.1	98	75 - 125	
Sodium	83	U	507	438	86	75 - 125	
Thallium	1.0	U	203	201	99	75 - 125	
Vanadium	13		50.7	62.5	97	75 - 125	
Zinc	170		50.7	214	93	75 - 125	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-179614

Method: 6010C
Preparation: 3050B

MS Lab Sample ID: 680-61109-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/11/2010 0255
Date Prepared: 09/10/2010 1155

Analysis Batch: 680-179911
Prep Batch: 680-179614

Instrument ID: ICPD
Lab File ID: 61109.chr
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 100 mL

MSD Lab Sample ID: 680-61109-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/11/2010 0300
Date Prepared: 09/10/2010 1155

Analysis Batch: 680-179911
Prep Batch: 680-179614

Instrument ID: ICPD
Lab File ID: 61109.chr
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	-221	26	75 - 125	9	20	4	4
Antimony	100	100	75 - 125	4	20		
Selenium	101	102	75 - 125	2	20		
Nickel	98	101	75 - 125	1	20		
Lead	96	101	75 - 125	1	20		
Magnesium	43	62	75 - 125	3	20	4	4
Iron	-2310	-1420	75 - 125	11	20	4	4
Manganese	83	99	75 - 125	3	20		
Potassium	97	104	75 - 125	2	20		
Chromium	75	78	75 - 125	1	20		
Copper	99	105	75 - 125	1	20		
Barium	106	108	75 - 125	1	20		
Beryllium	102	103	75 - 125	2	20		
Silver	102	103	75 - 125	3	20		
Arsenic	101	102	75 - 125	2	20		
Cadmium	89	95	75 - 125	2	20		
Calcium	139	178	75 - 125	5	20	4	4
Cobalt	101	103	75 - 125	1	20		
Sodium	108	111	75 - 125	1	20		
Thallium	103	105	75 - 125	2	20		
Vanadium	97	102	75 - 125	1	20		
Zinc	13	51	75 - 125	10	20	J	J

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-179614

Method: 6010C
Preparation: 3050B

MS Lab Sample ID: 680-61109-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/11/2010 0255
Date Prepared: 09/10/2010 1155

Units: mg/Kg

MSD Lab Sample ID: 680-61109-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/11/2010 0300
Date Prepared: 09/10/2010 1155

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aluminum	5900		207	201	5400	4	5910	4
Antimony	0.54	U	51.9	50.2	52.0		50.0	
Selenium	1.0	U	207	201	209		205	
Nickel	7.0		51.9	50.2	57.9		57.6	
Lead	12		51.9	50.2	61.9		62.6	
Magnesium	2600		519	502	2820	4	2910	4
Iron	11000		104	100	8600	4	9560	4
Manganese	160		51.9	50.2	200		207	
Potassium	380		519	502	887		908	
Chromium	12		20.7	20.1	28.0		28.1	
Copper	10		25.9	25.1	35.8		36.3	
Barium	15		207	201	235		232	
Beryllium	0.32	J	5.19	5.02	5.59		5.50	
Silver	0.097	U	5.19	5.02	5.29		5.16	
Arsenic	1.3	J	207	201	211		206	
Cadmium	2.7		5.19	5.02	7.35		7.49	
Calcium	2700		519	502	3380	4	3550	4
Cobalt	3.4		51.9	50.2	55.9		55.3	
Sodium	83	U	519	502	562		557	
Thallium	1.0	U	207	201	214		211	
Vanadium	13		51.9	50.2	63.5		64.5	
Zinc	170		51.9	50.2	173	J	192	J

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Serial Dilution - Batch: 680-179614

Method: 6010C
Preparation: 3050B

Lab Sample ID: 680-61109-2
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 09/11/2010 0244
Date Prepared: 09/10/2010 1155

Analysis Batch: 680-179911
Prep Batch: 680-179614
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 61109.chr
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	5900		6140	4.9	10	
Antimony	0.54	U	2.7	NC	10	U
Selenium	1.0	U	5.1	NC	10	U
Nickel	7.0		7.31	NC	10	J
Lead	12		12.6	NC	10	
Magnesium	2600		2710	4.5	10	
Iron	11000		11500	5.0	10	
Manganese	160		165	4.9	10	
Potassium	380		398	NC	10	J
Chromium	12		12.6	NC	10	
Copper	10		10.2	NC	10	J
Barium	15		15.7	4.4	10	
Beryllium	0.32	J	0.357	NC	10	J
Silver	0.097	U	0.49	NC	10	U
Arsenic	1.3	J	3.0	NC	10	U
Cadmium	2.7		2.96	NC	10	
Calcium	2700		2780	4.7	10	
Cobalt	3.4		3.28	NC	10	J
Sodium	83	U	420	NC	10	U
Thallium	1.0	U	5.0	NC	10	U
Vanadium	13		13.8	3.0	10	
Zinc	170		176	5.8	10	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Method Blank - Batch: 680-180131

Method: 6010C
Preparation: 3050B

Lab Sample ID: MB 680-180131/12-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2010 1201
Date Prepared: 09/16/2010 1350

Analysis Batch: 680-180410
Prep Batch: 680-180131
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 091810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Zinc	1.2	U	1.2	2.0

Lab Control Sample - Batch: 680-180131

Method: 6010C
Preparation: 3050B

Lab Sample ID: LCS 680-180131/13-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2010 1206
Date Prepared: 09/16/2010 1350

Analysis Batch: 680-180410
Prep Batch: 680-180131
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 091810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Zinc	50.0	53.4	107	75 - 125	

Post Digestion Spike - Batch: 680-180131

Method: 6010C
Preparation: 3050B

Lab Sample ID: 680-61109-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2010 1226
Date Prepared: 09/16/2010 1350

Analysis Batch: 680-180410
Prep Batch: 680-180131
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 091810.chr
Initial Weight/Volume: 1.08 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Zinc	110	51.2	160	94	75 - 125	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-180131

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-61109-2	Analysis Batch:	680-180410	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-180131	Lab File ID:	091810.chr
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Date Analyzed:	09/18/2010 1231			Final Weight/Volume:	100 mL
Date Prepared:	09/16/2010 1350				

MSD Lab Sample ID:	680-61109-2	Analysis Batch:	680-180410	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-180131	Lab File ID:	091810.chr
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Date Analyzed:	09/18/2010 1237			Final Weight/Volume:	100 mL
Date Prepared:	09/16/2010 1350				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Zinc	73	148	75 - 125	22	20	J	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-180131

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-61109-2	Units: mg/Kg	MSD Lab Sample ID:	680-61109-2
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/18/2010 1231		Date Analyzed:	09/18/2010 1237
Date Prepared:	09/16/2010 1350		Date Prepared:	09/16/2010 1350

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Zinc	110	52.3	50.7	150	J	187	J

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Serial Dilution - Batch: 680-180131

Method: 6010C
Preparation: 3050B

Lab Sample ID: 680-61109-2
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 09/18/2010 1221
Date Prepared: 09/16/2010 1350

Analysis Batch: 680-180410
Prep Batch: 680-180131
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 091810.chr
Initial Weight/Volume: 1.08 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Zinc	110	116	3.8	10	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Method Blank - Batch: 680-179745

Method: 7471B
Preparation: 7471B

Lab Sample ID: MB 680-179745/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2010 1723
Date Prepared: 09/13/2010 1305

Analysis Batch: 680-179917
Prep Batch: 680-179745
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b091410.chr
Initial Weight/Volume: 0.53 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Hg	0.0077	U	0.0077	0.019

Lab Control Sample - Batch: 680-179745

Method: 7471B
Preparation: 7471B

Lab Sample ID: LCS 680-179745/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2010 1727
Date Prepared: 09/13/2010 1305

Analysis Batch: 680-179917
Prep Batch: 680-179745
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b091410.chr
Initial Weight/Volume: 0.53 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.236	0.214	91	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-179745

Method: 7471B
Preparation: 7471B

MS Lab Sample ID: 680-61109-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2010 1735
Date Prepared: 09/13/2010 1305

Analysis Batch: 680-179917
Prep Batch: 680-179745

Instrument ID: LEEMAN1
Lab File ID: b091410.chr
Initial Weight/Volume: 0.54 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-61109-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2010 1738
Date Prepared: 09/13/2010 1305

Analysis Batch: 680-179917
Prep Batch: 680-179745

Instrument ID: LEEMAN1
Lab File ID: b091410.chr
Initial Weight/Volume: 0.54 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hg	78	98	80 - 120	13	20	J	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-179745

Method: 7471B
Preparation: 7471B

MS Lab Sample ID:	680-61109-2	Units: mg/Kg	MSD Lab Sample ID:	680-61109-2
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/14/2010 1735		Date Analyzed:	09/14/2010 1738
Date Prepared:	09/13/2010 1305		Date Prepared:	09/13/2010 1305

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual
Hg	0.056	0.105	0.101	0.137	J	0.156

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	U	Undetected at the Limit of Detection.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-179614					
LCS 680-179614/8-A	Lab Control Sample	T	Solid	3050B	
MB 680-179614/7-A	Method Blank	T	Solid	3050B	
680-61109-1	IV-B82-GTM1-01	T	Solid	3050B	
680-61109-2	IV-B82-GTM2-01	T	Solid	3050B	
680-61109-2MS	Matrix Spike	T	Solid	3050B	
680-61109-2MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-61109-3	IV-B82-GTM3-01	T	Solid	3050B	
680-61109-4	IV-B82-GTM3-11	T	Solid	3050B	
Prep Batch: 680-179745					
LCS 680-179745/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-179745/1-A	Method Blank	T	Solid	7471B	
680-61109-1	IV-B82-GTM1-01	T	Solid	7471B	
680-61109-2	IV-B82-GTM2-01	T	Solid	7471B	
680-61109-2MS	Matrix Spike	T	Solid	7471B	
680-61109-2MSD	Matrix Spike Duplicate	T	Solid	7471B	
680-61109-3	IV-B82-GTM3-01	T	Solid	7471B	
680-61109-4	IV-B82-GTM3-11	T	Solid	7471B	
Analysis Batch:680-179911					
LCS 680-179614/8-A	Lab Control Sample	T	Solid	6010C	680-179614
MB 680-179614/7-A	Method Blank	T	Solid	6010C	680-179614
680-61109-1	IV-B82-GTM1-01	T	Solid	6010C	680-179614
680-61109-2	IV-B82-GTM2-01	T	Solid	6010C	680-179614
680-61109-2MS	Matrix Spike	T	Solid	6010C	680-179614
680-61109-2MSD	Matrix Spike Duplicate	T	Solid	6010C	680-179614
680-61109-3	IV-B82-GTM3-01	T	Solid	6010C	680-179614
680-61109-4	IV-B82-GTM3-11	T	Solid	6010C	680-179614
Analysis Batch:680-179917					
LCS 680-179745/2-A	Lab Control Sample	T	Solid	7471B	680-179745
MB 680-179745/1-A	Method Blank	T	Solid	7471B	680-179745
680-61109-1	IV-B82-GTM1-01	T	Solid	7471B	680-179745
680-61109-2	IV-B82-GTM2-01	T	Solid	7471B	680-179745
680-61109-2MS	Matrix Spike	T	Solid	7471B	680-179745
680-61109-2MSD	Matrix Spike Duplicate	T	Solid	7471B	680-179745
680-61109-3	IV-B82-GTM3-01	T	Solid	7471B	680-179745
680-61109-4	IV-B82-GTM3-11	T	Solid	7471B	680-179745
Prep Batch: 680-180131					
LCS 680-180131/13-A	Lab Control Sample	T	Solid	3050B	
MB 680-180131/12-A	Method Blank	T	Solid	3050B	
680-61109-2	IV-B82-GTM2-01	T	Solid	3050B	
680-61109-2MS	Matrix Spike	T	Solid	3050B	
680-61109-2MSD	Matrix Spike Duplicate	T	Solid	3050B	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
Sdg Number: 67722

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-180410					
LCS 680-180131/13-A	Lab Control Sample	T	Solid	6010C	680-180131
MB 680-180131/12-A	Method Blank	T	Solid	6010C	680-180131
680-61109-2	IV-B82-GTM2-01	T	Solid	6010C	680-180131
680-61109-2MS	Matrix Spike	T	Solid	6010C	680-180131
680-61109-2MSD	Matrix Spike Duplicate	T	Solid	6010C	680-180131

Report Basis
T = Total

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
SDG: 67722

Laboratory Chronicle

Lab ID: 680-61109-1 **Client ID: IV-B82-GTM1-01**

Sample Date/Time: 09/08/2010 15:00 Received Date/Time: 09/10/2010 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61109-A-1-A		680-179911	680-179614	09/10/2010 11:55	1	TAL SAV	HM
A:6010C	680-61109-A-1-A		680-179911	680-179614	09/11/2010 02:33	1	TAL SAV	BCB
P:7471B	680-61109-A-1-B		680-179917	680-179745	09/13/2010 13:05	1	TAL SAV	JV
A:7471B	680-61109-A-1-B		680-179917	680-179745	09/14/2010 17:29	1	TAL SAV	CE

Lab ID: 680-61109-2 **Client ID: IV-B82-GTM2-01**

Sample Date/Time: 09/09/2010 10:00 Received Date/Time: 09/10/2010 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61109-A-2-A		680-179911	680-179614	09/10/2010 11:55	1	TAL SAV	HM
A:6010C	680-61109-A-2-A		680-179911	680-179614	09/11/2010 02:39	1	TAL SAV	BCB
P:3050B	680-61109-A-2-G		680-180410	680-180131	09/16/2010 13:50	1	TAL SAV	HM
A:6010C	680-61109-A-2-G		680-180410	680-180131	09/18/2010 12:16	1	TAL SAV	BCB
P:7471B	680-61109-A-2-D		680-179917	680-179745	09/13/2010 13:05	1	TAL SAV	JV
A:7471B	680-61109-A-2-D		680-179917	680-179745	09/14/2010 17:32	1	TAL SAV	CE

Lab ID: 680-61109-2 **Client ID: IV-B82-GTM2-01**

Sample Date/Time: 09/09/2010 10:00 Received Date/Time: 09/10/2010 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61109-A-2-B MS		680-179911	680-179614	09/10/2010 11:55	1	TAL SAV	HM
A:6010C	680-61109-A-2-B MS		680-179911	680-179614	09/11/2010 02:55	1	TAL SAV	BCB
P:3050B	680-61109-A-2-H MS		680-180410	680-180131	09/16/2010 13:50	1	TAL SAV	HM
A:6010C	680-61109-A-2-H MS		680-180410	680-180131	09/18/2010 12:31	1	TAL SAV	BCB
P:7471B	680-61109-A-2-E MS		680-179917	680-179745	09/13/2010 13:05	1	TAL SAV	JV
A:7471B	680-61109-A-2-E MS		680-179917	680-179745	09/14/2010 17:35	1	TAL SAV	CE

Lab ID: 680-61109-2 **Client ID: IV-B82-GTM2-01**

Sample Date/Time: 09/09/2010 10:00 Received Date/Time: 09/10/2010 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61109-A-2-C MSD		680-179911	680-179614	09/10/2010 11:55	1	TAL SAV	HM
A:6010C	680-61109-A-2-C MSD		680-179911	680-179614	09/11/2010 03:00	1	TAL SAV	BCB
P:3050B	680-61109-A-2-I MSD		680-180410	680-180131	09/16/2010 13:50	1	TAL SAV	HM
A:6010C	680-61109-A-2-I MSD		680-180410	680-180131	09/18/2010 12:37	1	TAL SAV	BCB
P:7471B	680-61109-A-2-F MSD		680-179917	680-179745	09/13/2010 13:05	1	TAL SAV	JV
A:7471B	680-61109-A-2-F MSD		680-179917	680-179745	09/14/2010 17:38	1	TAL SAV	CE

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
SDG: 67722

Laboratory Chronicle

Lab ID: 680-61109-2 SD **Client ID: IV-B82-GTM2-01**

Sample Date/Time: 09/09/2010 10:00 Received Date/Time: 09/10/2010 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61109-A-2-A SD		680-179911	680-179614	09/10/2010 11:55	5	TAL SAV	HM
A:6010C	680-61109-A-2-A SD		680-179911	680-179614	09/11/2010 02:44	5	TAL SAV	BCB
P:3050B	680-61109-A-2-A PDS		680-179911	680-179614	09/10/2010 11:55	1	TAL SAV	HM
A:6010C	680-61109-A-2-A PDS		680-179911	680-179614	09/11/2010 02:49	1	TAL SAV	BCB
P:3050B	680-61109-A-2-G SD		680-180410	680-180131	09/16/2010 13:50	5	TAL SAV	HM
A:6010C	680-61109-A-2-G SD		680-180410	680-180131	09/18/2010 12:21	5	TAL SAV	BCB
P:3050B	680-61109-A-2-G PDS		680-180410	680-180131	09/16/2010 13:50	1	TAL SAV	HM
A:6010C	680-61109-A-2-G PDS		680-180410	680-180131	09/18/2010 12:26	1	TAL SAV	BCB

Lab ID: 680-61109-3 **Client ID: IV-B82-GTM3-01**

Sample Date/Time: 09/09/2010 14:00 Received Date/Time: 09/10/2010 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61109-A-3-A		680-179911	680-179614	09/10/2010 11:55	1	TAL SAV	HM
A:6010C	680-61109-A-3-A		680-179911	680-179614	09/11/2010 03:06	1	TAL SAV	BCB
P:7471B	680-61109-A-3-B		680-179917	680-179745	09/13/2010 13:05	1	TAL SAV	JV
A:7471B	680-61109-A-3-B		680-179917	680-179745	09/14/2010 17:41	1	TAL SAV	CE

Lab ID: 680-61109-4 **Client ID: IV-B82-GTM3-11**

Sample Date/Time: 09/09/2010 14:00 Received Date/Time: 09/10/2010 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61109-A-4-A		680-179911	680-179614	09/10/2010 11:55	1	TAL SAV	HM
A:6010C	680-61109-A-4-A		680-179911	680-179614	09/11/2010 03:11	1	TAL SAV	BCB
P:7471B	680-61109-A-4-B		680-179917	680-179745	09/13/2010 13:05	1	TAL SAV	JV
A:7471B	680-61109-A-4-B		680-179917	680-179745	09/14/2010 17:44	1	TAL SAV	CE

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	MB 680-179614/7-A		680-179911	680-179614	09/10/2010 11:55	1	TAL SAV	HM
A:6010C	MB 680-179614/7-A		680-179911	680-179614	09/11/2010 02:23	1	TAL SAV	BCB
P:3050B	MB 680-180131/12-A		680-180410	680-180131	09/16/2010 13:50	1	TAL SAV	HM
A:6010C	MB 680-180131/12-A		680-180410	680-180131	09/18/2010 12:01	1	TAL SAV	BCB
P:7471B	MB 680-179745/1-A		680-179917	680-179745	09/13/2010 13:05	1	TAL SAV	JV
A:7471B	MB 680-179745/1-A		680-179917	680-179745	09/14/2010 17:23	1	TAL SAV	CE

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
SDG: 67722

Laboratory Chronicle

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCS 680-179614/8-A		680-179911	680-179614	09/10/2010 11:55	1	TAL SAV	HM
A:6010C	LCS 680-179614/8-A		680-179911	680-179614	09/11/2010 02:28	1	TAL SAV	BCB
P:3050B	LCS 680-180131/13-A		680-180410	680-180131	09/16/2010 13:50	1	TAL SAV	HM
A:6010C	LCS 680-180131/13-A		680-180410	680-180131	09/18/2010 12:06	1	TAL SAV	BCB
P:7471B	LCS 680-179745/2-A		680-179917	680-179745	09/13/2010 13:05	1	TAL SAV	JV
A:7471B	LCS 680-179745/2-A		680-179917	680-179745	09/14/2010 17:27	1	TAL SAV	CE

Lab References:
TAL SAV = TestAmerica Savannah

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-61109-1

SDG No.: 67722

Project: South Weymouth B82

Client Sample ID	Lab Sample ID
IV-B82-GTM1-01	680-61109-1
IV-B82-GTM2-01	680-61109-2
IV-B82-GTM3-01	680-61109-3
IV-B82-GTM3-11	680-61109-4

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: IV-B82-GTM1-01
Lab Sample ID: 680-61109-1
Lab Name: TestAmerica Savannah
Job No.: 680-61109-1
SDG ID.: 67722
Matrix: Solid
Date Sampled: 09/08/2010 15:00
Reporting Basis: DRY
Date Received: 09/10/2010 10:10
% Solids: 87.8

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4500	22	11	mg/Kg			1	6010C
7440-36-0	Antimony	0.59	2.2	0.59	mg/Kg	U		1	6010C
7782-49-2	Selenium	1.1	2.8	1.1	mg/Kg	U		1	6010C
7440-02-0	Nickel	5.5	4.4	0.34	mg/Kg			1	6010C
7439-92-1	Lead	4.8	1.1	0.59	mg/Kg			1	6010C
7439-95-4	Magnesium	1900	55	2.7	mg/Kg			1	6010C
7439-89-6	Iron	7600	22	7.7	mg/Kg			1	6010C
7439-96-5	Manganese	110	1.1	0.33	mg/Kg			1	6010C
7440-09-7	Potassium	380	110	8.8	mg/Kg			1	6010C
7440-47-3	Chromium	7.4	1.1	0.55	mg/Kg			1	6010C
7440-50-8	Copper	5.9	2.8	1.2	mg/Kg			1	6010C
7440-39-3	Barium	16	1.1	0.33	mg/Kg			1	6010C
7440-41-7	Beryllium	0.37	0.44	0.022	mg/Kg	J		1	6010C
7440-22-4	Silver	0.11	1.1	0.11	mg/Kg	U		1	6010C
7440-38-2	Arsenic	1.2	2.2	0.65	mg/Kg	J		1	6010C
7440-43-9	Cadmium	0.11	0.55	0.11	mg/Kg	U		1	6010C
7440-70-2	Calcium	1100	55	22	mg/Kg			1	6010C
7440-48-4	Cobalt	3.4	1.1	0.13	mg/Kg			1	6010C
7440-23-5	Sodium	91	220	91	mg/Kg	U		1	6010C
7440-28-0	Thallium	1.1	2.8	1.1	mg/Kg	U		1	6010C
7440-62-2	Vanadium	11	1.1	0.27	mg/Kg			1	6010C
7440-66-6	Zinc	29	2.2	1.3	mg/Kg			1	6010C
7439-97-6	Hg	0.0090	0.022	0.0090	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: IV-B82-GTM2-01
Lab Sample ID: 680-61109-2
Lab Name: TestAmerica Savannah
Job No.: 680-61109-1
SDG ID.: 67722
Matrix: Solid
Date Sampled: 09/09/2010 10:00
Reporting Basis: DRY
Date Received: 09/10/2010 10:10
% Solids: 90.4

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5900	20	10	mg/Kg		J	1	6010C
7440-36-0	Antimony	0.54	2.0	0.54	mg/Kg	U		1	6010C
7782-49-2	Selenium	1.0	2.5	1.0	mg/Kg	U		1	6010C
7440-02-0	Nickel	7.0	4.1	0.31	mg/Kg			1	6010C
7439-92-1	Lead	12	1.0	0.54	mg/Kg			1	6010C
7439-95-4	Magnesium	2600	51	2.4	mg/Kg		J	1	6010C
7439-89-6	Iron	11000	20	7.1	mg/Kg		J	1	6010C
7439-96-5	Manganese	160	1.0	0.30	mg/Kg			1	6010C
7440-09-7	Potassium	380	100	8.1	mg/Kg			1	6010C
7440-47-3	Chromium	12	1.0	0.51	mg/Kg			1	6010C
7440-50-8	Copper	10	2.5	1.1	mg/Kg			1	6010C
7440-39-3	Barium	15	1.0	0.30	mg/Kg			1	6010C
7440-41-7	Beryllium	0.32	0.41	0.020	mg/Kg	J		1	6010C
7440-22-4	Silver	0.097	1.0	0.097	mg/Kg	U		1	6010C
7440-38-2	Arsenic	1.3	2.0	0.60	mg/Kg	J		1	6010C
7440-43-9	Cadmium	2.7	0.51	0.10	mg/Kg			1	6010C
7440-70-2	Calcium	2700	51	20	mg/Kg		J	1	6010C
7440-48-4	Cobalt	3.4	1.0	0.12	mg/Kg			1	6010C
7440-23-5	Sodium	83	200	83	mg/Kg	U		1	6010C
7440-28-0	Thallium	1.0	2.5	1.0	mg/Kg	U		1	6010C
7440-62-2	Vanadium	13	1.0	0.24	mg/Kg			1	6010C
7440-66-6	Zinc	170	2.0	1.2	mg/Kg		J	1	6010C
7440-66-6	Zinc	110	2.0	1.2	mg/Kg		J	1	6010C
7439-97-6	Hg	0.056	0.022	0.0091	mg/Kg		J	1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: IV-B82-GTM3-01
Lab Sample ID: 680-61109-3
Lab Name: TestAmerica Savannah
Job No.: 680-61109-1
SDG ID.: 67722
Matrix: Solid
Date Sampled: 09/09/2010 14:00
Reporting Basis: DRY
Date Received: 09/10/2010 10:10
% Solids: 90.6

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4600	20	10	mg/Kg			1	6010C
7440-36-0	Antimony	0.53	2.0	0.53	mg/Kg	U		1	6010C
7782-49-2	Selenium	1.0	2.5	1.0	mg/Kg	U		1	6010C
7440-02-0	Nickel	4.2	4.0	0.31	mg/Kg			1	6010C
7439-92-1	Lead	16	1.0	0.53	mg/Kg			1	6010C
7439-95-4	Magnesium	2200	50	2.4	mg/Kg			1	6010C
7439-89-6	Iron	8300	20	7.0	mg/Kg			1	6010C
7439-96-5	Manganese	110	1.0	0.30	mg/Kg			1	6010C
7440-09-7	Potassium	280	100	8.0	mg/Kg			1	6010C
7440-47-3	Chromium	11	1.0	0.50	mg/Kg			1	6010C
7440-50-8	Copper	5.4	2.5	1.1	mg/Kg			1	6010C
7440-39-3	Barium	13	1.0	0.30	mg/Kg			1	6010C
7440-41-7	Beryllium	0.46	0.40	0.020	mg/Kg			1	6010C
7440-22-4	Silver	0.096	1.0	0.096	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.96	2.0	0.59	mg/Kg	J		1	6010C
7440-43-9	Cadmium	0.40	0.50	0.10	mg/Kg	J		1	6010C
7440-70-2	Calcium	2700	50	20	mg/Kg			1	6010C
7440-48-4	Cobalt	2.8	1.0	0.12	mg/Kg			1	6010C
7440-23-5	Sodium	82	200	82	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.99	2.5	0.99	mg/Kg	U		1	6010C
7440-62-2	Vanadium	12	1.0	0.24	mg/Kg			1	6010C
7440-66-6	Zinc	24	2.0	1.2	mg/Kg			1	6010C
7439-97-6	Hg	0.0085	0.021	0.0085	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: IV-B82-GTM3-11
Lab Sample ID: 680-61109-4
Lab Name: TestAmerica Savannah
Job No.: 680-61109-1
SDG ID.: 67722
Matrix: Solid
Date Sampled: 09/09/2010 14:00
Reporting Basis: DRY
Date Received: 09/10/2010 10:10
% Solids: 91.9

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3600	21	11	mg/Kg			1	6010C
7440-36-0	Antimony	0.56	2.1	0.56	mg/Kg	U		1	6010C
7782-49-2	Selenium	1.1	2.6	1.1	mg/Kg	U		1	6010C
7440-02-0	Nickel	3.6	4.2	0.33	mg/Kg	J		1	6010C
7439-92-1	Lead	13	1.1	0.56	mg/Kg			1	6010C
7439-95-4	Magnesium	1300	53	2.5	mg/Kg			1	6010C
7439-89-6	Iron	6800	21	7.4	mg/Kg			1	6010C
7439-96-5	Manganese	95	1.1	0.32	mg/Kg			1	6010C
7440-09-7	Potassium	380	110	8.5	mg/Kg			1	6010C
7440-47-3	Chromium	5.1	1.1	0.53	mg/Kg			1	6010C
7440-50-8	Copper	4.7	2.6	1.2	mg/Kg			1	6010C
7440-39-3	Barium	14	1.1	0.32	mg/Kg			1	6010C
7440-41-7	Beryllium	0.43	0.42	0.021	mg/Kg			1	6010C
7440-22-4	Silver	0.10	1.1	0.10	mg/Kg	U		1	6010C
7440-38-2	Arsenic	1.1	2.1	0.62	mg/Kg	J		1	6010C
7440-43-9	Cadmium	0.33	0.53	0.11	mg/Kg	J		1	6010C
7440-70-2	Calcium	910	53	21	mg/Kg			1	6010C
7440-48-4	Cobalt	2.3	1.1	0.13	mg/Kg			1	6010C
7440-23-5	Sodium	87	210	87	mg/Kg	U		1	6010C
7440-28-0	Thallium	1.0	2.6	1.0	mg/Kg	U		1	6010C
7440-62-2	Vanadium	8.6	1.1	0.25	mg/Kg			1	6010C
7440-66-6	Zinc	23	2.1	1.3	mg/Kg			1	6010C
7439-97-6	Hg	0.0087	0.021	0.0087	mg/Kg	U		1	7471B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	ICV 680-179911/4 09/10/2010 14:36				CCV 680-179911/9 09/10/2010 15:10				CCV 680-179911/13 09/11/2010 02:12			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	1020		1000	102	5120		5000	102	5130		5000	103
Antimony	1010		1000	101	517		500	103	504		500	101
Arsenic	1040		1000	104	521		500	104	504		500	101
Barium	1030		1000	103	5180		5000	104	5130		5000	103
Beryllium	1020		1000	102	517		500	103	495		500	99
Cadmium	1030		1000	103	517		500	103	491		500	98
Calcium	1020		1000	102	5150		5000	103	4990		5000	100
Chromium	1030		1000	103	5160		5000	103	4980		5000	100
Cobalt	1030		1000	103	516		500	103	500		500	100
Copper	1030		1000	103	5130		5000	103	5100		5000	102
Iron	1040		1000	104	5190		5000	104	5010		5000	100
Lead	1020		1000	102	519		500	104	500		500	100
Magnesium	1030		1000	103	5170		5000	103	5000		5000	100
Manganese	1030		1000	103	5160		5000	103	5030		5000	101
Nickel	1030		1000	103	2580		2500	103	2500		2500	100
Potassium	19800		20000	99	10200		10000	102	10200		10000	102
Selenium	1030		1000	103	5190		5000	104	4980		5000	100
Silver	1010		1000	101	515		500	103	505		500	101
Sodium	10300		10000	103	7610		7500	101	7630		7500	102
Thallium	1010		1000	101	5190		5000	104	4980		5000	100
Vanadium	1000		1000	100	5140		5000	103	5050		5000	101
Zinc	1030		1000	103	2580		2500	103	2480		2500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	CCV 680-179911/25 09/11/2010 03:16				CCV 680-179911/27 09/11/2010 04:02				CCV 680-179911/32 09/11/2010 04:31			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	5220		5000	104	5170		5000	103	5170		5000	103
Antimony	516		500	103	506		500	101	510		500	102
Arsenic	515		500	103	513		500	103	506		500	101
Barium	5180		5000	104	5150		5000	103	5150		5000	103
Beryllium	505		500	101	503		500	101	502		500	100
Cadmium	503		500	101	500		500	100	499		500	100
Calcium	5100		5000	102	5090		5000	102	5080		5000	102
Chromium	5080		5000	102	5060		5000	101	5040		5000	101
Cobalt	509		500	102	506		500	101	504		500	101
Copper	5160		5000	103	5120		5000	102	5120		5000	102
Iron	5130		5000	103	5100		5000	102	5090		5000	102
Lead	511		500	102	509		500	102	506		500	101
Magnesium	5130		5000	103	5100		5000	102	5100		5000	102
Manganese	5120		5000	102	5100		5000	102	5080		5000	102
Nickel	2560		2500	102	2540		2500	102	2530		2500	101
Potassium	10400		10000	104	10300		10000	103	10300		10000	103
Selenium	5090		5000	102	5050		5000	101	5030		5000	101
Silver	513		500	103	509		500	102	509		500	102
Sodium	7650		7500	102	7640		7500	102	7520		7500	100
Thallium	5080		5000	102	5070		5000	101	5030		5000	101
Vanadium	5140		5000	103	5110		5000	102	5100		5000	102
Zinc	2540		2500	101	2530		2500	101	2510		2500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	ICV 680-180410/4 09/18/2010 09:20				CCV 680-180410/10 09/18/2010 10:13				CCV 680-180410/19 09/18/2010 11:50			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Zinc	993		1000	99	2510		2500	100	2480		2500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	CCV 680-180410/31 09/18/2010 12:52				CCV 680-180410/224 09/19/2010 08:09				CCV 680-180410/234 09/19/2010 09:05			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Zinc	2430		2500	97	2460		2500	98	2460		2500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

ICV Source: Hg_CLPICVstk_00002 Concentration Units: ug/L

CCV Source: HG_3.0_std_00090

Analyte	ICV 680-179917/7 09/14/2010 14:57				CCV 680-179917/9 09/14/2010 15:10				CCV 680-179917/20 09/14/2010 15:43			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	3.65		4.00	91	3.05		3.00	102	3.13		3.00	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

ICV Source: Hg_CLPICVstk_00002 Concentration Units: ug/L

CCV Source: HG_3.0_std_00090

Analyte	CCV 680-179917/22 09/14/2010 17:15											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	3.04		3.00	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Analysis Method: 6010C Instrument ID: ICPD

Lab Sample ID: CRI 680-179911/6 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	216		108	50-150
Antimony	20.0	22.6		113	50-150
Selenium	20.0	22.9	J	115	50-150
Nickel	40.0	41.5		104	50-150
Lead	10.0	9.94	J	99	50-150
Magnesium	500	518		104	50-150
Iron	50.0	70	U	120	50-150
Manganese	10.0	10.1		101	50-150
Potassium	1000	1020		102	50-150
Chromium	10.0	9.46	J	95	50-150
Copper	20.0	21.2		106	50-150
Barium	10.0	10.4		104	50-150
Beryllium	4.00	4.04		101	50-150
Silver	10.0	9.94	J	99	50-150
Arsenic	20.0	22.2		111	50-150
Cadmium	5.00	5.43		109	50-150
Calcium	500	514		103	50-150
Cobalt	10.0	9.82	J	98	50-150
Sodium	1000	1010	J	101	50-150
Thallium	25.0	20.3	J	81	50-150
Vanadium	10.0	9.96	J	100	50-150
Zinc	20.0	21.3		106	50-150

Lab Sample ID: CRI 680-179911/29 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	218		109	50-150
Antimony	20.0	21.9		109	50-150
Selenium	20.0	16.6	J	83	50-150
Nickel	40.0	41.9		105	50-150
Lead	10.0	10.3		103	50-150
Magnesium	500	525		105	50-150
Iron	50.0	70	U	106	50-150
Manganese	10.0	10.5		105	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Analysis Method: 6010C Instrument ID: ICPD

Lab Sample ID: CRI 680-179911/29 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Potassium	1000	1060		106	50-150
Chromium	10.0	9.59	J	96	50-150
Copper	20.0	22.5		113	50-150
Barium	10.0	10.9		109	50-150
Beryllium	4.00	4.08		102	50-150
Silver	10.0	10.3		103	50-150
Arsenic	20.0	21.7		109	50-150
Cadmium	5.00	5.41		108	50-150
Calcium	500	528		106	50-150
Cobalt	10.0	9.77	J	98	50-150
Sodium	1000	1070	J	107	50-150
Thallium	25.0	24.3	J	97	50-150
Vanadium	10.0	9.90	J	99	50-150
Zinc	20.0	21.9		109	50-150

Lab Sample ID: CRI 680-180410/7 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Zinc	20.0	22.0		110	50-150

Lab Sample ID: CRI 680-180410/231 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Zinc	20.0	21.0		105	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Analysis Method: 7471B Instrument ID: LEEMAN1

Lab Sample ID: CRA 680-179917/11 Concentration Units: ug/L

CRQL Check Standard Source: HG_0.2_std_00101

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Hg	0.200	0.143	J	72	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Concentration Units: ug/L

Analyte	RL	ICB 680-179911/5 09/10/2010 14:46		CCB 680-179911/10 09/10/2010 15:15		CCB 680-179911/14 09/11/2010 02:17		CCB 680-179911/26 09/11/2010 03:22	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	100	U	100	U	100	U	100	U
Antimony	20	5.3	U	5.3	U	5.3	U	5.3	U
Arsenic	20	5.9	U	5.9	U	5.9	U	5.9	U
Barium	10	3.0	U	3.0	U	3.0	U	3.0	U
Beryllium	4.0	0.20	U	0.20	U	0.20	U	0.210	J
Cadmium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	500	200	U	200	U	200	U	200	U
Chromium	10	5.0	U	5.0	U	5.0	U	5.0	U
Cobalt	10	1.2	U	1.2	U	1.2	U	1.2	U
Copper	20	11	U	11	U	11	U	11	U
Iron	200	70	U	70	U	70	U	70	U
Lead	10	5.3	U	5.3	U	5.3	U	5.3	U
Magnesium	500	24	U	54.2	J	24	U	24	U
Manganese	10	3.0	U	3.0	U	3.0	U	3.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	1000	80	U	80	U	80	U	80	U
Selenium	25	10	U	10	U	10	U	10	U
Silver	10	0.96	U	0.96	U	0.96	U	0.96	U
Sodium	2000	820	U	820	U	820	U	820	U
Thallium	25	9.9	U	9.9	U	9.9	U	9.9	U
Vanadium	10	2.4	U	2.4	U	2.4	U	2.4	U
Zinc	20	12	U	12	U	12	U	12	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Concentration Units: ug/L

Analyte	RL	CCB 680-179911/28 09/11/2010 04:08		CCB 680-179911/33 09/11/2010 04:36					
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	100	U	100	U				
Antimony	20	5.3	U	5.3	U				
Arsenic	20	5.9	U	5.9	U				
Barium	10	3.0	U	3.0	U				
Beryllium	4.0	0.20	U	0.20	U				
Cadmium	5.0	1.0	U	1.0	U				
Calcium	500	200	U	200	U				
Chromium	10	5.0	U	5.0	U				
Cobalt	10	1.2	U	1.2	U				
Copper	20	11	U	11	U				
Iron	200	70	U	70	U				
Lead	10	5.3	U	5.3	U				
Magnesium	500	24	U	24	U				
Manganese	10	3.0	U	3.0	U				
Nickel	40	3.0	U	3.0	U				
Potassium	1000	80	U	80	U				
Selenium	25	10	U	10	U				
Silver	10	0.96	U	0.96	U				
Sodium	2000	820	U	820	U				
Thallium	25	9.9	U	9.9	U				
Vanadium	10	2.4	U	2.4	U				
Zinc	20	12	U	12	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Concentration Units: ug/L

Analyte	RL	ICB 680-180410/5 09/18/2010 09:27		CCB 680-180410/11 09/18/2010 10:21		CCB 680-180410/20 09/18/2010 11:55		CCB 680-180410/32 09/18/2010 12:57	
		Found	C	Found	C	Found	C	Found	C
Zinc	20	12	U	12	U	12	U	12	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Concentration Units: ug/L

Analyte	RL	CCB 680-180410/225 09/19/2010 08:14		CCB 680-180410/235 09/19/2010 09:10					
		Found	C	Found	C	Found	C	Found	C
Zinc	20	12	U	12	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Concentration Units: ug/L

Analyte	RL	ICB 680-179917/8 09/14/2010 15:00		CCB 680-179917/10 09/14/2010 15:13		CCB 680-179917/21 09/14/2010 15:46		CCB 680-179917/23 09/14/2010 17:19	
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	0.080	U	0.080	U	0.080	U	0.080	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Concentration Units: ug/L

Analyte	RL	CCB 680-179917/33 09/14/2010 17:50							
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	0.080	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Concentration Units: mg/Kg Lab Sample ID: MB 680-179614/7-A

Instrument Code: ICPD Batch No.: 179911

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	10	U		6010C
7440-36-0	Antimony	0.53	U		6010C
7782-49-2	Selenium	1.0	U		6010C
7440-02-0	Nickel	0.31	U		6010C
7439-92-1	Lead	0.53	U		6010C
7439-95-4	Magnesium	2.4	U		6010C
7439-89-6	Iron	7.0	U		6010C
7439-96-5	Manganese	0.30	U		6010C
7440-09-7	Potassium	8.0	U		6010C
7440-47-3	Chromium	0.50	U		6010C
7440-50-8	Copper	1.1	U		6010C
7440-39-3	Barium	0.30	U		6010C
7440-41-7	Beryllium	0.020	U		6010C
7440-22-4	Silver	0.096	U		6010C
7440-38-2	Arsenic	0.59	U		6010C
7440-43-9	Cadmium	0.10	U		6010C
7440-70-2	Calcium	20	U		6010C
7440-48-4	Cobalt	0.12	U		6010C
7440-23-5	Sodium	82	U		6010C
7440-28-0	Thallium	0.99	U		6010C
7440-62-2	Vanadium	0.24	U		6010C
7440-66-6	Zinc	1.2	U		6010C

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Concentration Units: mg/Kg Lab Sample ID: MB 680-180131/12-A

Instrument Code: ICPD Batch No.: 180410

CAS No.	Analyte	Concentration	C	Q	Method
7440-66-6	Zinc	1.2	U		6010C

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Concentration Units: mg/Kg Lab Sample ID: MB 680-179745/1-A

Instrument Code: LEEMAN1 Batch No.: 179917

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Hg	0.0077	U		7471B

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Lab Sample ID: ICSA 680-179911/7 Instrument ID: ICPD

Lab File ID: 61109.chr ICS Source: P_ICSA_wk_00022

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**542472**	**108**
Antimony		**1.76**	
Arsenic		**1.66**	
Barium		**0.698**	
Beryllium		**0.0413**	
Cadmium		**-0.347**	
Calcium	**500000**	**541704**	**108**
Chromium		**1.04**	
Cobalt		**-0.128**	
Copper		**1.40**	
Iron	**200000**	**203392**	**102**
Lead		**-4.10**	
Magnesium	**500000**	**545527**	**109**
Manganese		**-1.60**	
Nickel		**-0.673**	
Potassium		**0.193**	
Selenium		**-0.417**	
Silver		**0.139**	
Sodium		**286**	
Thallium		**-5.19**	
Vanadium		**-5.81**	
Zinc		**4.42**	
Boron		*3.92*	
Molybdenum		*-0.851*	
Strontium		*2.41*	
Tin		*2.02*	
Titanium		*1.67*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Lab Sample ID: ICSAB 680-179911/8 Instrument ID: ICPD

Lab File ID: 61109.chr ICS Source: P_ICSAB_wk_00037

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**544863**	**109**
Antimony	**600**	**676**	**113**
Arsenic	**100**	**110**	**110**
Barium	**500**	**552**	**110**
Beryllium	**500**	**545**	**109**
Cadmium	**1000**	**1039**	**104**
Calcium	**500000**	**546068**	**109**
Chromium	**500**	**520**	**104**
Cobalt	**500**	**509**	**102**
Copper	**500**	**572**	**114**
Iron	**200000**	**205385**	**103**
Lead	**50.0**	**48.4**	**97**
Magnesium	**500000**	**550412**	**110**
Manganese	**500**	**524**	**105**
Nickel	**1000**	**1008**	**101**
Potassium		**-8.94**	
Selenium	**50.0**	**57.1**	**114**
Silver	**200**	**225**	**113**
Sodium		**187**	
Thallium	**100**	**102**	**102**
Vanadium	**500**	**523**	**105**
Zinc	**1000**	**1029**	**103**
Boron		*3.03*	
Molybdenum	*1000*	*1049*	*105*
Strontium		*2.50*	
Tin	*1000*	*1048*	*105*
Titanium		*1.95*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Lab Sample ID: ICSA 680-179911/30 Instrument ID: ICPD

Lab File ID: 61109.chr ICS Source: P_ICSA_wk_00022

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**542697**	**109**
Antimony		**8.13**	
Arsenic		**1.04**	
Barium		**0.801**	
Beryllium		**0.0866**	
Cadmium		**0.182**	
Calcium	**500000**	**533809**	**107**
Chromium		**1.14**	
Cobalt		**0.210**	
Copper		**1.59**	
Iron	**200000**	**200293**	**100**
Lead		**-4.52**	
Magnesium	**500000**	**541076**	**108**
Manganese		**-1.33**	
Nickel		**-0.220**	
Potassium		**4.05**	
Selenium		**1.11**	
Silver		**-0.281**	
Sodium		**219**	
Thallium		**-2.72**	
Vanadium		**-6.05**	
Zinc		**4.86**	
Boron		*-11.0*	
Molybdenum		*-0.984*	
Strontium		*2.44*	
Tin		*4.07*	
Titanium		*1.76*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Lab Sample ID: ICSAB 680-179911/31 Instrument ID: ICPD

Lab File ID: 61109.chr ICS Source: P_ICSAB_wk_00037

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**538991**	**108**
Antimony	**600**	**652**	**109**
Arsenic	**100**	**102**	**102**
Barium	**500**	**540**	**108**
Beryllium	**500**	**526**	**105**
Cadmium	**1000**	**997**	**100**
Calcium	**500000**	**532272**	**106**
Chromium	**500**	**503**	**101**
Cobalt	**500**	**496**	**99**
Copper	**500**	**562**	**112**
Iron	**200000**	**199467**	**100**
Lead	**50.0**	**46.1**	**92**
Magnesium	**500000**	**539357**	**108**
Manganese	**500**	**511**	**102**
Nickel	**1000**	**986**	**99**
Potassium		**14.0**	
Selenium	**50.0**	**56.0**	**112**
Silver	**200**	**221**	**110**
Sodium		**235**	
Thallium	**100**	**97.8**	**98**
Vanadium	**500**	**513**	**103**
Zinc	**1000**	**1002**	**100**
Boron		*-11.8*	
Molybdenum	*1000*	*1014*	*101*
Strontium		*2.41*	
Tin	*1000*	*1015*	*101*
Titanium		*1.81*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Lab Sample ID: ICSA 680-180410/8 Instrument ID: ICPD

Lab File ID: 091810.chr ICS Source: P_ICSA_wk_00022

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Zinc		**3.76**	
Aluminum	*500000*	*529743*	*106*
Antimony		*3.20*	
Arsenic		*-2.88*	
Barium		*0.878*	
Beryllium		*0.0799*	
Boron		*14.1*	
Cadmium		*-0.235*	
Calcium	*500000*	*541383*	*108*
Chromium		*1.54*	
Cobalt		*-0.0076*	
Copper		*1.40*	
Iron	*200000*	*194087*	*97*
Lead		*-3.41*	
Magnesium	*500000*	*525281*	*105*
Manganese		*-1.28*	
Molybdenum		*0.184*	
Nickel		*-0.887*	
Potassium		*-7.51*	
Selenium		*5.03*	
Silver		*0.126*	
Sodium		*21.5*	
Strontium		*2.40*	
Thallium		*-2.50*	
Tin		*-0.543*	
Titanium		*1.80*	
Vanadium		*-9.93*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Lab Sample ID: ICSAB 680-180410/9 Instrument ID: ICPD

Lab File ID: 091810.chr ICS Source: P_ICSAB_wk_00038

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Zinc	**1000**	**985**	**98**
Aluminum	*500000*	*521443*	*104*
Antimony	*600*	*614*	*102*
Arsenic	*100*	*99.4*	*99*
Barium	*500*	*533*	*107*
Beryllium	*500*	*515*	*103*
Boron		*14.4*	
Cadmium	*1000*	*978*	*98*
Calcium	*500000*	*533727*	*107*
Chromium	*500*	*494*	*99*
Cobalt	*500*	*476*	*95*
Copper	*500*	*539*	*108*
Iron	*200000*	*193375*	*97*
Lead	*50.0*	*46.2*	*92*
Magnesium	*500000*	*522194*	*104*
Manganese	*500*	*497*	*99*
Molybdenum	*1000*	*995*	*99*
Nickel	*1000*	*950*	*95*
Potassium		*-16.9*	
Selenium	*50.0*	*58.8*	*118*
Silver	*200*	*210*	*105*
Sodium		*-145*	
Strontium		*2.40*	
Thallium	*100*	*106*	*106*
Tin	*1000*	*980*	*98*
Titanium		*1.90*	
Vanadium	*500*	*496*	*99*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Lab Sample ID: ICSA 680-180410/232 Instrument ID: ICPD

Lab File ID: 091810.chr ICS Source: P_ICSA_wk_00022

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Zinc		**4.94**	
Aluminum	*500000*	*515161*	*103*
Antimony		*-1.73*	
Arsenic		*-5.70*	
Barium		*0.671*	
Beryllium		*0.0981*	
Boron		*22.5*	
Cadmium		*-0.206*	
Calcium	*500000*	*527654*	*106*
Chromium		*1.41*	
Cobalt		*0.419*	
Copper		*1.74*	
Iron	*200000*	*188399*	*94*
Lead		*-3.71*	
Magnesium	*500000*	*523857*	*105*
Manganese		*-1.33*	
Molybdenum		*-1.28*	
Nickel		*0.0281*	
Potassium		*-8.79*	
Selenium		*9.40*	
Silver		*0.455*	
Sodium		*-163*	
Strontium		*2.35*	
Thallium		*4.13*	
Tin		*3.63*	
Titanium		*1.69*	
Vanadium		*-7.69*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Lab Sample ID: ICSAB 680-180410/233 Instrument ID: ICPD

Lab File ID: 091810.chr ICS Source: P_ICSAB_wk_00038

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Zinc	**1000**	**955**	**96**
Aluminum	*500000*	*511453*	*102*
Antimony	*600*	*607*	*101*
Arsenic	*100*	*99.2*	*99*
Barium	*500*	*517*	*103*
Beryllium	*500*	*504*	*101*
Boron		*22.3*	
Cadmium	*1000*	*975*	*97*
Calcium	*500000*	*522827*	*105*
Chromium	*500*	*489*	*98*
Cobalt	*500*	*470*	*94*
Copper	*500*	*521*	*104*
Iron	*200000*	*187529*	*94*
Lead	*50.0*	*45.9*	*92*
Magnesium	*500000*	*519758*	*104*
Manganese	*500*	*489*	*98*
Molybdenum	*1000*	*988*	*99*
Nickel	*1000*	*942*	*94*
Potassium		*-8.67*	
Selenium	*50.0*	*57.0*	*114*
Silver	*200*	*205*	*103*
Sodium		*-93.8*	
Strontium		*2.33*	
Thallium	*100*	*102*	*102*
Tin	*1000*	*981*	*98*
Titanium		*1.84*	
Vanadium	*500*	*485*	*97*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: IV-B82-GTM2-01 MS
Lab ID: 680-61109-2 MS
Lab Name: TestAmerica Savannah
Job No.: 680-61109-1
SDG No.: 67722
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 88.5

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	5400		5900		207	-221	75-125	4	6010C
Antimony	52.0		0.54	U	51.9	100	75-125		6010C
Selenium	209		1.0	U	207	101	75-125		6010C
Nickel	57.9		7.0		51.9	98	75-125		6010C
Lead	61.9		12		51.9	96	75-125		6010C
Magnesium	2820		2600		519	43	75-125	4	6010C
Iron	8600		11000		104	-2310	75-125	4	6010C
Manganese	200		160		51.9	83	75-125		6010C
Potassium	887		380		519	97	75-125		6010C
Chromium	28.0		12		20.7	75	75-125		6010C
Copper	35.8		10		25.9	99	75-125		6010C
Barium	235		15		207	106	75-125		6010C
Beryllium	5.59		0.32	J	5.19	102	75-125		6010C
Silver	5.29		0.097	U	5.19	102	75-125		6010C
Arsenic	211		1.3	J	207	101	75-125		6010C
Cadmium	7.35		2.7		5.19	89	75-125		6010C
Calcium	3380		2700		519	139	75-125	4	6010C
Cobalt	55.9		3.4		51.9	101	75-125		6010C
Sodium	562		83	U	519	108	75-125		6010C
Thallium	214		1.0	U	207	103	75-125		6010C
Vanadium	63.5		13		51.9	97	75-125		6010C
Zinc	150		110		52.3	73	75-125	J	6010C
Zinc	173		170		51.9	13	75-125	J	6010C
Hg	0.137		0.056		0.105	78	80-120	J	7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: IV-B82-GTM2-01 MSD
Lab ID: 680-61109-2 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-61109-1
SDG No.: 67722
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 91.3

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	5910		201	26	75-125	9	20	4	6010C
Antimony	50.0		50.2	100	75-125	4	20		6010C
Selenium	205		201	102	75-125	2	20		6010C
Nickel	57.6		50.2	101	75-125	1	20		6010C
Lead	62.6		50.2	101	75-125	1	20		6010C
Magnesium	2910		502	62	75-125	3	20	4	6010C
Iron	9560		100	-1420	75-125	11	20	4	6010C
Manganese	207		50.2	99	75-125	3	20		6010C
Potassium	908		502	104	75-125	2	20		6010C
Chromium	28.1		20.1	78	75-125	1	20		6010C
Copper	36.3		25.1	105	75-125	1	20		6010C
Barium	232		201	108	75-125	1	20		6010C
Beryllium	5.50		5.02	103	75-125	2	20		6010C
Silver	5.16		5.02	103	75-125	3	20		6010C
Arsenic	206		201	102	75-125	2	20		6010C
Cadmium	7.49		5.02	95	75-125	2	20		6010C
Calcium	3550		502	178	75-125	5	20	4	6010C
Cobalt	55.3		50.2	103	75-125	1	20		6010C
Sodium	557		502	111	75-125	1	20		6010C
Thallium	211		201	105	75-125	2	20		6010C
Vanadium	64.5		50.2	102	75-125	1	20		6010C
Zinc	192		50.2	51	75-125	10	20	J	6010C
Zinc	187		50.7	148	75-125	22	20	J	6010C
Hg	0.156		0.101	98	80-120	13	20		7471B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: IV-B82-GTM2-01 PDS Lab ID: 680-61109-2 PDS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	6050		5900		203	97	75-125		6010C
Antimony	49.8		0.54	U	50.7	98	75-125		6010C
Selenium	198		1.0	U	203	97	75-125		6010C
Nickel	56.1		7.0		50.7	97	75-125		6010C
Lead	60.7		12		50.7	96	75-125		6010C
Magnesium	2990		2600		507	78	75-125		6010C
Iron	11000		11000		101	-6	75-125	J	6010C
Manganese	206		160		50.7	96	75-125		6010C
Potassium	817		380		507	85	75-125		6010C
Chromium	32.1		12		20.3	97	75-125		6010C
Copper	35.4		10		25.4	100	75-125		6010C
Barium	221		15		203	102	75-125		6010C
Beryllium	5.27		0.32	J	5.07	97	75-125		6010C
Silver	4.17		0.097	U	5.07	82	75-125		6010C
Arsenic	199		1.3	J	203	97	75-125		6010C
Cadmium	7.55		2.7		5.07	95	75-125		6010C
Calcium	3050		2700		507	77	75-125		6010C
Cobalt	53.1		3.4		50.7	98	75-125		6010C
Sodium	438		83	U	507	86	75-125		6010C
Thallium	201		1.0	U	203	99	75-125		6010C
Vanadium	62.5		13		50.7	97	75-125		6010C
Zinc	214		170		50.7	93	75-125		6010C
Zinc	160		110		51.2	94	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-179614/8-A

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

Sample Matrix: Solid LCS Source: P_TEFLONCH_00007

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	200	215		107	75	125		6010C
Antimony	50.0	52.8		106	75	125		6010C
Selenium	200	210		105	75	125		6010C
Nickel	50.0	53.5		107	75	125		6010C
Lead	50.0	52.6		105	75	125		6010C
Magnesium	500	532		106	75	125		6010C
Iron	100	111		111	75	125		6010C
Manganese	50.0	54.0		108	75	125		6010C
Potassium	500	532		106	75	125		6010C
Chromium	20.0	21.4		107	75	125		6010C
Copper	25.0	27.1		108	75	125		6010C
Barium	200	222		111	75	125		6010C
Beryllium	5.00	5.26		105	75	125		6010C
Silver	5.00	5.33		107	75	125		6010C
Arsenic	200	211		105	75	125		6010C
Cadmium	5.00	5.25		105	75	125		6010C
Calcium	500	530		106	75	125		6010C
Cobalt	50.0	53.6		107	75	125		6010C
Sodium	500	534		107	75	125		6010C
Thallium	200	217		108	75	125		6010C
Vanadium	50.0	53.2		106	75	125		6010C
Zinc	50.0	53.3		107	75	125		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-180131/13-A

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

Sample Matrix: Solid LCS Source: P_TEFLONCH_00007

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Zinc	50.0	53.4		107	75	125		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-179745/2-A

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

Sample Matrix: Solid LCS Source: Hg_Int_Cal_00048

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Hg	0.236	0.214		91	80	120		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 680-61109-2

SDG No: 67722

Lab Name: TestAmerica Savannah Job No: 680-61109-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	5900		6140		4.9		6010C
Antimony	0.54	U	2.7	U	NC		6010C
Selenium	1.0	U	5.1	U	NC		6010C
Nickel	7.0		7.31	J	NC		6010C
Lead	12		12.6		NC		6010C
Magnesium	2600		2710		4.5		6010C
Iron	11000		11500		5.0		6010C
Manganese	160		165		4.9		6010C
Potassium	380		398	J	NC		6010C
Chromium	12		12.6		NC		6010C
Copper	10		10.2	J	NC		6010C
Barium	15		15.7		4.4		6010C
Beryllium	0.32	J	0.357	J	NC		6010C
Silver	0.097	U	0.49	U	NC		6010C
Arsenic	1.3	J	3.0	U	NC		6010C
Cadmium	2.7		2.96		NC		6010C
Calcium	2700		2780		4.7		6010C
Cobalt	3.4		3.28	J	NC		6010C
Sodium	83	U	420	U	NC		6010C
Thallium	1.0	U	5.0	U	NC		6010C
Vanadium	13		13.8		3.0		6010C
Zinc	170		176		5.8		6010C
Zinc	110		116		3.8		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-61109-1

SDG Number: 67722

Matrix: Solid Instrument ID: ICPD

Analysis Method: 6010C MDL Date: 06/02/2009 00:00

Prep Method: 3050B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		20	10
Antimony		2	0.53
Arsenic		2	0.59
Barium		1	0.3
Beryllium		0.4	0.02
Cadmium		0.5	0.1
Calcium		50	20
Chromium		1	0.5
Cobalt		1	0.12
Copper		2.5	1.1
Iron		20	7
Lead		1	0.53
Magnesium		50	2.4
Manganese		1	0.3
Nickel		4	0.31
Potassium		100	8
Selenium		2.5	1
Silver		1	0.096
Sodium		200	82
Thallium		2.5	0.99
Vanadium		1	0.24
Zinc		2	1.2

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-61109-1

SDG Number: 67722

Matrix: Solid Instrument ID: ICPD

Analysis Method: 6010C XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	100
Antimony		20	5.3
Arsenic		20	5.9
Barium		10	3
Beryllium		4	0.2
Cadmium		5	1
Calcium		500	200
Chromium		10	5
Cobalt		10	1.2
Copper		20	11
Iron		200	70
Lead		10	5.3
Magnesium		500	24
Manganese		10	3
Nickel		40	3
Potassium		1000	80
Selenium		25	10
Silver		10	0.96
Sodium		2000	820
Thallium		25	9.9
Vanadium		10	2.4
Zinc		20	12

FORM IX - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-61109-1

SDG Number: 67722

Matrix: Solid Instrument ID: LEEMAN1

Analysis Method: 7471B MDL Date: 06/02/2009 00:00

Prep Method: 7471B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Hg		0.02	0.0082

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-61109-1

SDG Number: 67722

Matrix: Solid Instrument ID: LEEMAN1

Analysis Method: 7471B XMDL Date: 06/01/2008 15:53

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Hg		0.2	0.08

FORM IX - IN

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Savannah Job No: 680-61109-1

SDG No.: 67722

Instrument ID: ICPD Date: 01/25/2010 13:16

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		720000	6010C
Antimony		45000	6010C
Selenium		22500	6010C
Nickel		9000	6010C
Lead		18000	6010C
Magnesium		450000	6010C
Iron		900000	6010C
Manganese		27000	6010C
Potassium		31500	6010C
Chromium		22500	6010C
Copper		45000	6010C
Barium		18000	6010C
Beryllium		9000	6010C
Silver		1800	6010C
Arsenic		18000	6010C
Cadmium		9000	6010C
Calcium		720000	6010C
Cobalt		22500	6010C
Sodium		72000	6010C
Thallium		27000	6010C
Vanadium		45000	6010C
Zinc		31500	6010C

FORM XI - IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
680-61109-1	09/10/2010 11:55	179614	1.03		100
680-61109-2	09/10/2010 11:55	179614	1.09		100
680-61109-2 MS	09/10/2010 11:55	179614	1.09		100
680-61109-2 MSD	09/10/2010 11:55	179614	1.09		100
680-61109-3	09/10/2010 11:55	179614	1.10		100
680-61109-4	09/10/2010 11:55	179614	1.03		100
MB 680-179614/7-A	09/10/2010 11:55	179614	1.00		100
LCS 680-179614/8-A	09/10/2010 11:55	179614	1.00		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
680-61109-2	09/16/2010 13:50	180131	1.08		100
680-61109-2 MS	09/16/2010 13:50	180131	1.08		100
680-61109-2 MSD	09/16/2010 13:50	180131	1.08		100
MB 680-180131/12-A	09/16/2010 13:50	180131	1.00		100
LCS 680-180131/13-A	09/16/2010 13:50	180131	1.00		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Preparation Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-179745/1-A	09/13/2010 13:05	179745	0.53		50
LCS 680-179745/2-A	09/13/2010 13:05	179745	0.53		50
680-61109-1	09/13/2010 13:05	179745	0.52		50
680-61109-2	09/13/2010 13:05	179745	0.50		50
680-61109-2 MS	09/13/2010 13:05	179745	0.54		50
680-61109-2 MSD	09/13/2010 13:05	179745	0.54		50
680-61109-3	09/13/2010 13:05	179745	0.53		50
680-61109-4	09/13/2010 13:05	179745	0.51		50

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Instrument ID: ICPD Method: 6010C

Start Date: 09/10/2010 13:37 End Date: 09/11/2010 04:36

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
STD0 680-179911/1 IC			13:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD1 680-179911/2 IC			13:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:09																				
ICV 680-179911/4	1		14:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 680-179911/5	1		14:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 680-179911/6	1		14:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 680-179911/7	1		14:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 680-179911/8	1		15:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-179911/9	1		15:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-179911/10	1		15:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:20																				
ZZZZZZ			15:30																				
CCV 680-179911/13	1		02:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-179911/14	1		02:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 680-179614/7-A	1	T	02:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 680-179614/8-A	1	T	02:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61109-1	1	T	02:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61109-2	1	T	02:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61109-2 SD	5	T	02:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61109-2 PDS	1	T	02:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61109-2 MS	1	T	02:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61109-2 MSD	1	T	03:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61109-3	1	T	03:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61109-4	1	T	03:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-179911/25	1		03:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-179911/26	1		03:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-179911/27	1		04:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-179911/28	1		04:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 680-179911/29	1		04:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 680-179911/30	1		04:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 680-179911/31	1		04:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-179911/32	1		04:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-179911/33	1		04:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Instrument ID: ICPD Method: 6010C

Start Date: 09/10/2010 13:37 End Date: 09/11/2010 04:36

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
STD0 680-179911/1 IC			13:37	X	X																		
STD1 680-179911/2 IC			13:38	X	X																		
ZZZZZZ			14:09																				
ICV 680-179911/4	1		14:36	X	X																		
ICB 680-179911/5	1		14:46	X	X																		
CRI 680-179911/6	1		14:51	X	X																		
ICSA 680-179911/7	1		14:56	X	X																		
ICSAB 680-179911/8	1		15:04	X	X																		
CCV 680-179911/9	1		15:10	X	X																		
CCB 680-179911/10	1		15:15	X	X																		
ZZZZZZ			15:20																				
ZZZZZZ			15:30																				
CCV 680-179911/13	1		02:12	X	X																		
CCB 680-179911/14	1		02:17	X	X																		
MB 680-179614/7-A	1	T	02:23	X	X																		
LCS 680-179614/8-A	1	T	02:28	X	X																		
680-61109-1	1	T	02:33	X	X																		
680-61109-2	1	T	02:39	X	X																		
680-61109-2 SD	5	T	02:44	X	X																		
680-61109-2 PDS	1	T	02:49	X	X																		
680-61109-2 MS	1	T	02:55	X	X																		
680-61109-2 MSD	1	T	03:00	X	X																		
680-61109-3	1	T	03:06	X	X																		
680-61109-4	1	T	03:11	X	X																		
CCV 680-179911/25	1		03:16	X	X																		
CCB 680-179911/26	1		03:22	X	X																		
CCV 680-179911/27	1		04:02	X	X																		
CCB 680-179911/28	1		04:08	X	X																		
CRI 680-179911/29	1		04:13	X	X																		
ICSA 680-179911/30	1		04:18	X	X																		
ICSAB 680-179911/31	1		04:24	X	X																		
CCV 680-179911/32	1		04:31	X	X																		
CCB 680-179911/33	1		04:36	X	X																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Zn																			
STD0 680-180410/1 IC			09:06	X																			
STD1 680-180410/2 IC			09:07	X																			
ZZZZZZ			09:11																				
ICV 680-180410/4	1		09:20	X																			
ICB 680-180410/5	1		09:27	X																			
ZZZZZZ			09:35																				
CRI 680-180410/7	1		09:48	X																			
ICSA 680-180410/8	1		09:53	X																			
ICSAB 680-180410/9	1		10:05	X																			
CCV 680-180410/10	1		10:13	X																			
CCB 680-180410/11	1		10:21	X																			
ZZZZZZ			11:14																				
ZZZZZZ			11:19																				
ZZZZZZ			11:24																				
ZZZZZZ			11:30																				
ZZZZZZ			11:35																				
ZZZZZZ			11:40																				
ZZZZZZ			11:45																				
CCV 680-180410/19	1		11:50	X																			
CCB 680-180410/20	1		11:55	X																			
MB 680-180131/12-A	1	T	12:01	X																			
LCS 680-180131/13-A	1	T	12:06	X																			
ZZZZZZ			12:11																				
680-61109-2	1	T	12:16	X																			
680-61109-2 SD	5	T	12:21	X																			
680-61109-2 PDS	1	T	12:26	X																			
680-61109-2 MS	1	T	12:31	X																			
680-61109-2 MSD	1	T	12:37	X																			
ZZZZZZ			12:42																				
ZZZZZZ			12:47																				
CCV 680-180410/31	1		12:52	X																			
CCB 680-180410/32	1		12:57	X																			
ZZZZZZ			13:02																				
ZZZZZZ			13:07																				
ZZZZZZ			13:13																				
ZZZZZZ			13:18																				
ZZZZZZ			13:23																				
ZZZZZZ			13:28																				
ZZZZZZ			13:33																				
ZZZZZZ			13:38																				
ZZZZZZ			13:44																				
ZZZZZZ			13:49																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Zn																			
CCV 680-180410/43			13:54																				
CCB 680-180410/44			13:59																				
ZZZZZZ			14:04																				
ZZZZZZ			14:09																				
ZZZZZZ			14:14																				
ZZZZZZ			14:20																				
ZZZZZZ			14:25																				
ZZZZZZ			14:30																				
ZZZZZZ			14:35																				
ZZZZZZ			14:40																				
ZZZZZZ			14:45																				
ZZZZZZ			14:50																				
CCV 680-180410/55			14:56																				
CCB 680-180410/56			15:01																				
ZZZZZZ			15:06																				
ZZZZZZ			15:11																				
ZZZZZZ			15:16																				
ZZZZZZ			15:21																				
ZZZZZZ			15:27																				
ZZZZZZ			15:32																				
ZZZZZZ			15:37																				
ZZZZZZ			15:42																				
ZZZZZZ			15:47																				
CCV 680-180410/66			15:52																				
CCB 680-180410/67			15:58																				
ZZZZZZ			16:03																				
ZZZZZZ			16:08																				
ZZZZZZ			16:13																				
ZZZZZZ			16:18																				
ZZZZZZ			16:23																				
ZZZZZZ			16:28																				
ZZZZZZ			16:34																				
ZZZZZZ			16:39																				
ZZZZZZ			16:44																				
ZZZZZZ			16:49																				
CCV 680-180410/78			16:54																				
CCB 680-180410/79			16:59																				
ZZZZZZ			17:05																				
ZZZZZZ			17:10																				
ZZZZZZ			17:15																				
ZZZZZZ			17:20																				
ZZZZZZ			17:25																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Zn																			
ZZZZZZ			17:30																				
ZZZZZZ			17:35																				
CCV 680-180410/87			17:41																				
CCB 680-180410/88			17:46																				
ZZZZZZ			17:51																				
ZZZZZZ			17:56																				
ZZZZZZ			18:01																				
ZZZZZZ			18:06																				
ZZZZZZ			18:12																				
ZZZZZZ			18:17																				
ZZZZZZ			18:22																				
ZZZZZZ			18:27																				
CCV 680-180410/97			18:32																				
CCB 680-180410/98			18:37																				
ZZZZZZ			18:43																				
ZZZZZZ			18:48																				
ZZZZZZ			18:53																				
ZZZZZZ			18:58																				
ZZZZZZ			19:03																				
ZZZZZZ			19:08																				
ZZZZZZ			19:14																				
ZZZZZZ			19:19																				
ZZZZZZ			19:24																				
ZZZZZZ			19:29																				
CCV 680-180410/109			19:34																				
CCB 680-180410/110			19:39																				
ZZZZZZ			19:45																				
ZZZZZZ			19:50																				
ZZZZZZ			19:55																				
ZZZZZZ			20:00																				
ZZZZZZ			20:05																				
ZZZZZZ			20:10																				
ZZZZZZ			20:16																				
ZZZZZZ			20:21																				
ZZZZZZ			20:26																				
ZZZZZZ			20:31																				
CCV 680-180410/121			20:36																				
CCB 680-180410/122			20:41																				
ZZZZZZ			20:47																				
ZZZZZZ			20:52																				
ZZZZZZ			20:57																				
ZZZZZZ			21:02																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Zn																			
ZZZZZZ			21:07																				
ZZZZZZ			21:12																				
ZZZZZZ			21:18																				
ZZZZZZ			21:23																				
ZZZZZZ			21:28																				
ZZZZZZ			21:33																				
CCV 680-180410/133			21:38																				
CCB 680-180410/134			21:43																				
ZZZZZZ			21:49																				
ZZZZZZ			21:54																				
ZZZZZZ			21:59																				
ZZZZZZ			22:04																				
ZZZZZZ			22:09																				
ZZZZZZ			22:14																				
ZZZZZZ			22:20																				
ZZZZZZ			22:25																				
ZZZZZZ			22:30																				
ZZZZZZ			22:35																				
CCV 680-180410/145			22:40																				
CCB 680-180410/146			22:45																				
ZZZZZZ			22:51																				
ZZZZZZ			22:56																				
ZZZZZZ			23:01																				
ZZZZZZ			23:06																				
ZZZZZZ			23:11																				
ZZZZZZ			23:17																				
ZZZZZZ			23:22																				
ZZZZZZ			23:27																				
ZZZZZZ			23:32																				
ZZZZZZ			23:37																				
CCV 680-180410/157			23:42																				
CCB 680-180410/158			23:48																				
ZZZZZZ			23:53																				
ZZZZZZ			23:58																				
ZZZZZZ			00:03																				
ZZZZZZ			00:08																				
ZZZZZZ			00:13																				
ZZZZZZ			00:19																				
ZZZZZZ			00:24																				
ZZZZZZ			00:29																				
ZZZZZZ			00:34																				
CCV 680-180410/168			00:39																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Zn																			
CCB 680-180410/169			00:45																				
ZZZZZZ			00:50																				
ZZZZZZ			00:55																				
ZZZZZZ			01:00																				
ZZZZZZ			01:05																				
ZZZZZZ			01:11																				
ZZZZZZ			01:16																				
ZZZZZZ			01:21																				
ZZZZZZ			01:26																				
ZZZZZZ			01:31																				
ZZZZZZ			01:36																				
CCV 680-180410/180			01:42																				
CCB 680-180410/181			01:47																				
ZZZZZZ			01:52																				
CCV 680-180410/183			01:57																				
CCB 680-180410/184			02:02																				
ZZZZZZ			02:08																				
ZZZZZZ			02:13																				
ZZZZZZ			02:18																				
ZZZZZZ			02:23																				
ZZZZZZ			02:28																				
ZZZZZZ			02:34																				
ZZZZZZ			02:39																				
ZZZZZZ			02:44																				
ZZZZZZ			02:49																				
ZZZZZZ			02:54																				
CCV 680-180410/195			02:59																				
CCB 680-180410/196			03:05																				
ZZZZZZ			03:10																				
ZZZZZZ			03:15																				
ZZZZZZ			03:20																				
ZZZZZZ			03:25																				
ZZZZZZ			03:31																				
ZZZZZZ			03:36																				
ZZZZZZ			03:41																				
CCV 680-180410/204			03:46																				
CCB 680-180410/205			03:51																				
ZZZZZZ			03:57																				
ZZZZZZ			04:02																				
ZZZZZZ			04:07																				
ZZZZZZ			04:12																				
ZZZZZZ			04:17																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Zn																			
CCV 680-180410/211			04:22																				
CCB 680-180410/212			04:28																				
CCV 680-180410/213			07:08																				
CCB 680-180410/214			07:15																				
ZZZZZZ			07:20																				
ZZZZZZ			07:31																				
ZZZZZZ			07:36																				
ZZZZZZ			07:42																				
ZZZZZZ			07:47																				
ZZZZZZ			07:52																				
ZZZZZZ			07:56																				
ZZZZZZ			08:00																				
ZZZZZZ			08:05																				
CCV 680-180410/224	1		08:09	X																			
CCB 680-180410/225	1		08:14	X																			
ZZZZZZ			08:19																				
ZZZZZZ			08:23																				
ZZZZZZ			08:28																				
ZZZZZZ			08:32																				
ZZZZZZ			08:41																				
CRI 680-180410/231	1		08:49	X																			
ICSA 680-180410/232	1		08:54	X																			
ICSAB 680-180410/233	1		08:58	X																			
CCV 680-180410/234	1		09:05	X																			
CCB 680-180410/235	1		09:10	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 09/14/2010 14:37 End Date: 09/14/2010 18:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD01REP1 680-179917/1 IC			14:37	X																			
STD02REP1 680-179917/2 IC			14:40	X																			
STD03REP1 680-179917/3 IC			14:43	X																			
STD04REP1 680-179917/4 IC			14:46	X																			
STD05REP1 680-179917/5 IC			14:50	X																			
STD06REP1 680-179917/6 IC			14:53	X																			
ICV 680-179917/7	1		14:57	X																			
ICB 680-179917/8	1		15:00	X																			
CCV 680-179917/9	1		15:10	X																			
CCB 680-179917/10	1		15:13	X																			
CRA 680-179917/11	1		15:16	X																			
ZZZZZZ			15:19																				
ZZZZZZ			15:22																				
ZZZZZZ			15:25																				
ZZZZZZ			15:28																				
ZZZZZZ			15:31																				
ZZZZZZ			15:34																				
ZZZZZZ			15:37																				
ZZZZZZ			15:40																				
CCV 680-179917/20	1		15:43	X																			
CCB 680-179917/21	1		15:46	X																			
CCV 680-179917/22	1		17:15	X																			
CCB 680-179917/23	1		17:19	X																			
MB 680-179745/1-A	1	T	17:23	X																			
LCS 680-179745/2-A	1	T	17:27	X																			
680-61109-1	1	T	17:29	X																			
680-61109-2	1	T	17:32	X																			
680-61109-2 MS	1	T	17:35	X																			
680-61109-2 MSD	1	T	17:38	X																			
680-61109-3	1	T	17:41	X																			
680-61109-4	1	T	17:44	X																			
CCV 680-179917/32	1		17:47	X																			
CCB 680-179917/33	1		17:50	X																			
ZZZZZZ			17:54																				
ZZZZZZ			17:57																				
ZZZZZZ			18:00																				
ZZZZZZ			18:02																				
ZZZZZZ			18:06																				
ZZZZZZ			18:09																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61109-1

SDG No.: 67722

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 09/14/2010 14:37 End Date: 09/14/2010 18:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			18:12																				
ZZZZZZ			18:15																				
ZZZZZZ			18:18																				
ZZZZZZ			18:21																				
CCV 680-179917/44			18:24																				
CCB 680-179917/45			18:27																				
ZZZZZZ			18:31																				
ZZZZZZ			18:34																				
ZZZZZZ			18:36																				
ZZZZZZ			18:40																				
ZZZZZZ			18:43																				
ZZZZZZ			18:46																				
CCV 680-179917/52			18:49																				
CCB 680-179917/53			18:52																				

Prep Types
T = Total/NA

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	HIGH STD 00033	D091010	2PTTR2	09/10/10	13:42	BCB	S	CONC
2	HIGH STD 00033	D091010	2PTTR2	09/10/10	13:47	BCB	S	CONC
3	HIGH STD 00033	D091010	2PTTR2	09/10/10	14:09	BCB	S	CONC
4	ICVP 00190	D091010	2PTTR2	09/10/10	14:36	BCB	S	CONC
5	ICB	D091010	2PTTR2	09/10/10	14:46	BCB	S	CONC
6	RL ICP 00045	D091010	2PTTR2	09/10/10	14:51	BCB	S	CONC
7	ICSA61 00022	D091010	2PTTR2	09/10/10	14:56	BCB	S	CONC
8	ICSAB61 00038	D091010	2PTTR2	09/10/10	15:04	BCB	S	CONC
9	CCVP 00072	D091010	2PTTR2	09/10/10	15:10	BCB	S	CONC
10	CCB	D091010	2PTTR2	09/10/10	15:15	BCB	S	CONC
11	CCV	D091010	2PTTR2	09/10/10	15:20	BCB	S	CONC
12	CCB	D091010	2PTTR2	09/10/10	15:30	BCB	S	CONC
13	PBW 179530	D091010	2PTTR2	09/10/10	15:37	BCB	S	CONC
14	LCSW-1	D091010	2PTTR2	09/10/10	15:42	BCB	S	CONC
15	61069-4	D091010	2PTTR2	09/10/10	15:47	BCB	S	CONC
16	61069-1S	D091010	2PTTR2	09/10/10	15:51	BCB	S	CONC
17	61069-1SD	D091010	2PTTR2	09/10/10	15:55	BCB	S	CONC
18	PBW 179534	D091010	2PTTR2	09/10/10	16:01	BCB	S	CONC
19	LCSW-1	D091010	2PTTR2	09/10/10	16:05	BCB	S	CONC
20	61069-1	D091010	2PTTR2	09/10/10	16:09	BCB	S	CONC
21	61069-1S	D091010	2PTTR2	09/10/10	16:13	BCB	S	CONC
22	61069-1SD	D091010	2PTTR2	09/10/10	16:17	BCB	S	CONC
23	CCV	D091010	2PTTR2	09/10/10	16:22	BCB	S	CONC
24	CCB	D091010	2PTTR2	09/10/10	16:26	BCB	S	CONC
25	CCV	D091010	2PTTR2	09/10/10	17:29	BCB	S	CONC
26	CCB	D091010	2PTTR2	09/10/10	17:42	BCB	S	CONC
27	60953-1 1/10	D091010	2PTTR2	09/10/10	17:48	BCB	S	CONC
28	60953-1S 1/10	D091010	2PTTR2	09/10/10	17:53	BCB	S	CONC
29	60953-1SD 1/10	D091010	2PTTR2	09/10/10	17:59	BCB	S	CONC
30	60953-2 1/10	D091010	2PTTR2	09/10/10	18:04	BCB	S	CONC
31	60904-1 1/20	D091010	2PTTR2	09/10/10	18:09	BCB	S	CONC
32	60904-2 1/20	D091010	2PTTR2	09/10/10	18:15	BCB	S	CONC
33	60904-3 1/20	D091010	2PTTR2	09/10/10	18:20	BCB	S	CONC
34	CCV	D091010	2PTTR2	09/10/10	18:35	BCB	S	CONC
35	CCB	D091010	2PTTR2	09/10/10	18:40	BCB	S	CONC
36	37053-1 1/20	D091010	2PTTR2	09/10/10	18:45	BCB	S	CONC
37	37053-1S 1/20	D091010	2PTTR2	09/10/10	18:51	BCB	S	CONC
38	37053-1SD 1/20	D091010	2PTTR2	09/10/10	18:56	BCB	S	CONC
39	37053-2	D091010	2PTTR2	09/10/10	19:01	BCB	S	CONC
40	37057-1 1/20	D091010	2PTTR2	09/10/10	19:07	BCB	S	CONC
41	37057-2 1/20	D091010	2PTTR2	09/10/10	19:12	BCB	S	CONC
42	37507-3 1/20	D091010	2PTTR2	09/10/10	19:17	BCB	S	CONC
43	60903-1	D091010	2PTTR2	09/10/10	19:23	BCB	S	CONC
44	60903-1S	D091010	2PTTR2	09/10/10	19:28	BCB	S	CONC
45	60903-1SD	D091010	2PTTR2	09/10/10	19:34	BCB	S	CONC
46	CCV	D091010	2PTTR2	09/10/10	19:39	BCB	S	CONC
47	CCB	D091010	2PTTR2	09/10/10	19:44	BCB	S	CONC
48	PBW 179535	D091010	2PTTR2	09/10/10	19:50	BCB	S	CONC
49	LCSW-1	D091010	2PTTR2	09/10/10	19:55	BCB	S	CONC
50	60958-1	D091010	2PTTR2	09/10/10	20:00	BCB	S	CONC
51	60958-1L	D091010	2PTTR2	09/10/10	20:06	BCB	S	CONC
52	60958-1A	D091010	2PTTR2	09/10/10	20:11	BCB	S	CONC
53	60958-1S	D091010	2PTTR2	09/10/10	20:16	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	60958-1SD	D091010	2PTTR2	09/10/10	20:22	BCB	S	CONC
55	60974-1	D091010	2PTTR2	09/10/10	20:27	BCB	S	CONC
56	60972-1	D091010	2PTTR2	09/10/10	20:32	BCB	S	CONC
57	61029-1	D091010	2PTTR2	09/10/10	20:38	BCB	S	CONC
58	CCV	D091010	2PTTR2	09/10/10	20:43	BCB	S	CONC
59	CCB	D091010	2PTTR2	09/10/10	20:48	BCB	S	CONC
60	61012-1	D091010	2PTTR2	09/10/10	20:54	BCB	S	CONC
61	61012-1L	D091010	2PTTR2	09/10/10	20:59	BCB	S	CONC
62	61012-1A	D091010	2PTTR2	09/10/10	21:05	BCB	S	CONC
63	61012-2	D091010	2PTTR2	09/10/10	21:10	BCB	S	CONC
64	61012-4	D091010	2PTTR2	09/10/10	21:15	BCB	S	CONC
65	61007-3F	D091010	2PTTR2	09/10/10	21:21	BCB	S	CONC
66	61007-2F	D091010	2PTTR2	09/10/10	21:26	BCB	S	CONC
67	61007-1F	D091010	2PTTR2	09/10/10	21:31	BCB	S	CONC
68	61078-1	D091010	2PTTR2	09/10/10	21:37	BCB	S	CONC
69	61077-2	D091010	2PTTR2	09/10/10	21:42	BCB	S	CONC
70	CCV	D091010	2PTTR2	09/10/10	21:47	BCB	S	CONC
71	CCB	D091010	2PTTR2	09/10/10	21:53	BCB	S	CONC
72	61076-3	D091010	2PTTR2	09/10/10	21:58	BCB	S	CONC
73	60945-6	D091010	2PTTR2	09/10/10	22:03	BCB	S	CONC
74	60945-1	D091010	2PTTR2	09/10/10	22:09	BCB	S	CONC
75	61007-3	D091010	2PTTR2	09/10/10	22:14	BCB	S	CONC
76	61007-2	D091010	2PTTR2	09/10/10	22:20	BCB	S	CONC
77	61007-1	D091010	2PTTR2	09/10/10	22:25	BCB	S	CONC
78	61007-1L	D091010	2PTTR2	09/10/10	22:30	BCB	S	CONC
79	61007-1A	D091010	2PTTR2	09/10/10	22:36	BCB	S	CONC
80	CCV	D091010	2PTTR2	09/10/10	22:41	BCB	S	CONC
81	CCB	D091010	2PTTR2	09/10/10	22:46	BCB	S	CONC
82	PBW 179536	D091010	2PTTR2	09/10/10	22:52	BCB	S	CONC
83	LCSW-1	D091010	2PTTR2	09/10/10	22:57	BCB	S	CONC
84	60930-1	D091010	2PTTR2	09/10/10	23:02	BCB	S	CONC
85	60930-1L	D091010	2PTTR2	09/10/10	23:08	BCB	S	CONC
86	60930-1A	D091010	2PTTR2	09/10/10	23:13	BCB	S	CONC
87	60930-1S	D091010	2PTTR2	09/10/10	23:18	BCB	S	CONC
88	60930-1SD	D091010	2PTTR2	09/10/10	23:24	BCB	S	CONC
89	60930-1 1/10	D091010	2PTTR2	09/10/10	23:29	BCB	S	CONC
90	60930-1S 1/10	D091010	2PTTR2	09/10/10	23:35	BCB	S	CONC
91	60930-1SD 1/10	D091010	2PTTR2	09/10/10	23:40	BCB	S	CONC
92	CCV	D091010	2PTTR2	09/10/10	23:45	BCB	S	CONC
93	CCB	D091010	2PTTR2	09/10/10	23:51	BCB	S	CONC
94	60930-2	D091010	2PTTR2	09/10/10	23:56	BCB	S	CONC
95	60930-2 1/10	D091010	2PTTR2	09/11/10	00:01	BCB	S	CONC
96	CCV	D091010	2PTTR2	09/11/10	00:08	BCB	S	CONC
97	CCB	D091010	2PTTR2	09/11/10	00:14	BCB	S	CONC
98	PBW 179342) 179511	D091010	2PTTR2	09/11/10	00:19	BCB	S	CONC
99	PBW (179455)	D091010	2PTTR2	09/11/10	00:24	BCB	S	CONC
100	LCSW-1	D091010	2PTTR2	09/11/10	00:30	BCB	S	CONC
101	LCSW-2	D091010	2PTTR2	09/11/10	00:35	BCB	S	CONC
102	60909-1	D091010	2PTTR2	09/11/10	00:41	BCB	S	CONC
103	60999-1	D091010	2PTTR2	09/11/10	00:46	BCB	S	CONC
104	60999-2	D091010	2PTTR2	09/11/10	00:51	BCB	S	CONC
105	60999-3	D091010	2PTTR2	09/11/10	00:57	BCB	S	CONC
106	60999-4	D091010	2PTTR2	09/11/10	01:02	BCB	S	CONC
107	69051-1	D091010	2PTTR2	09/11/10	01:07	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	CCV	D091010	2PTTR2	09/11/10	01:13	BCB	S	CONC
109	CCB	D091010	2PTTR2	09/11/10	01:18	BCB	S	CONC
110	60951-1L	D091010	2PTTR2	09/11/10	01:23	BCB	S	CONC
111	60951-1A	D091010	2PTTR2	09/11/10	01:29	BCB	S	CONC
112	60951-1S	D091010	2PTTR2	09/11/10	01:34	BCB	S	CONC
113	60951-1SD	D091010	2PTTR2	09/11/10	01:40	BCB	S	CONC
114	60920-1	D091010	2PTTR2	09/11/10	01:45	BCB	S	CONC
115	37043-2	D091010	2PTTR2	09/11/10	01:50	BCB	S	CONC
116	37045-1	D091010	2PTTR2	09/11/10	01:56	BCB	S	CONC
117	60872-1	D091010	2PTTR2	09/11/10	02:01	BCB	S	CONC
118	61051-1	D091010	2PTTR2	09/11/10	02:06	BCB	S	CONC
119	CCV	D091010	2PTTR2	09/11/10	02:12	BCB	S	CONC
120	CCB	D091010	2PTTR2	09/11/10	02:17	BCB	S	CONC
121	PBW 179614	D091010	2PTTR2	09/11/10	02:23	BCB	S	CONC
122	LCSS-1	D091010	2PTTR2	09/11/10	02:28	BCB	S	CONC
123	61109-1	D091010	2PTTR2	09/11/10	02:33	BCB	S	CONC
124	61109-2	D091010	2PTTR2	09/11/10	02:39	BCB	S	CONC
125	61109-2L	D091010	2PTTR2	09/11/10	02:44	BCB	S	CONC
126	61109-2A	D091010	2PTTR2	09/11/10	02:49	BCB	S	CONC
127	61109-2S	D091010	2PTTR2	09/11/10	02:55	BCB	S	CONC
128	61109-2SD	D091010	2PTTR2	09/11/10	03:00	BCB	S	CONC
129	61109-3	D091010	2PTTR2	09/11/10	03:06	BCB	S	CONC
130	61109-4	D091010	2PTTR2	09/11/10	03:11	BCB	S	CONC
131	CCV	D091010	2PTTR2	09/11/10	03:16	BCB	S	CONC
132	CCB	D091010	2PTTR2	09/11/10	03:22	BCB	S	CONC
133	PBS 179451	D091010	2PTTR2	09/11/10	03:27	BCB	S	CONC
134	LCSS-1	D091010	2PTTR2	09/11/10	03:32	BCB	S	CONC
135	60980-1	D091010	2PTTR2	09/11/10	03:38	BCB	S	CONC
136	60980-1S	D091010	2PTTR2	09/11/10	03:43	BCB	S	CONC
137	60980-1SD	D091010	2PTTR2	09/11/10	03:48	BCB	S	CONC
138	60848-3	D091010	2PTTR2	09/11/10	03:54	BCB	S	CONC
139	CCV	D091010	2PTTR2	09/11/10	04:02	BCB	S	CONC
140	CCB	D091010	2PTTR2	09/11/10	04:08	BCB	S	CONC
141	RL ICP	D091010	2PTTR2	09/11/10	04:13	BCB	S	CONC
142	ICSA	D091010	2PTTR2	09/11/10	04:18	BCB	S	CONC
143	ICSAB	D091010	2PTTR2	09/11/10	04:24	BCB	S	CONC
144	CCV	D091010	2PTTR2	09/11/10	04:31	BCB	S	CONC
145	CCB	D091010	2PTTR2	09/11/10	04:36	BCB	S	CONC

#	Sample Name	Ag	Al	2Al	As	B	Ba
1	HIGH STD 00033	929.55	9392.7	9.3930	941.08	9421.1	9428.9
2	HIGH STD 00033	1020.4	10240.	10.240	1017.1	10257.	10221.
3	HIGH STD 00033	975.28	9768.3	9.7682	981.30	9791.2	9803.6
4	ICVP 00190	1007.7	1017.3	1.0174	1037.1	1006.0	1028.8
5	ICB	-.24664	-.32459	-.00032	.30671	-12.899	-.01165
6	RL ICP 00045	9.9449	215.92	.21592	22.181	90.082	10.401
7	ICSA61 00022	.13895	542470.	542.46	1.6640	3.9213	.69843
8	ICSAB61 00038	225.17	544860.	544.87	109.97	3.0253	552.07
9	CCVP 00072	514.78	5123.4	5.1234	521.48	5135.6	5177.9
10	CCB	-.46926	53.145	.05314	.24958	-5.4756	.17697
11	CCV	496.14	4965.0	4.9649	498.43	4977.1	5029.4
12	CCB	-.20026	3.9782	.00397	1.4216	-13.001	-.16419
13	PBW 179530	-.86421	10.261	.01026	-.53592	-16.252	.01796
14	LCSW-1	51.230	2051.5	2.0515	2076.6	1043.1	2121.8
15	61069-4	.20250	10.493	.01049	2.5668	21.945	88.648
16	61069-1S	51.862	2040.6	2.0406	2094.0	1091.9	2201.5
17	61069-1SD	52.762	2052.4	2.0524	2098.4	1086.9	2203.7
18	PBW 179534	-.48798	6.5379	.00653	2.2778	-15.325	-.02386
19	LCSW-1	51.246	2049.3	2.0493	2072.3	1036.3	2132.5
20	61069-1	.36361	4554.7	4.5546	53.088	136.39	130.82
21	61069-1S	53.418	9913.0	9.9127	2184.4	1235.7	2341.4
22	61069-1SD	52.440	10877.	10.876	2147.0	1216.9	2298.6
23	CCV	505.25	5006.6	5.0065	507.51	5059.1	5099.0
24	CCB	-.32061	6.1090	.00610	-.74559	-5.7904	-.05587
25	CCV	504.29	5030.4	5.0303	511.32	5071.2	5109.0
26	CCB	.16967	11.720	.01171	-.80794	-12.989	-.09656
27	60953-1 1/10	-.49546	17.205	.01720	.25189	-6.9604	2.6560
28	60953-1S 1/10	5.3451	222.76	.22276	216.73	100.44	222.11
29	60953-1SD 1/10	5.0049	217.97	.21797	218.05	100.75	221.57
30	60953-2 1/10	-.22210	9.3350	.00933	2.6793	-11.389	3.0161
31	60904-1 1/20	-.41989	18.251	.01825	.94909	-8.8837	1.8536
32	60904-2 1/20	-1.2247	13.514	.01351	-2.5732	60.233	1.1634
33	60904-3 1/20	-.56724	169.57	.16957	4.9032	223.71	1.4082
34	CCV	510.31	5068.4	5.0682	517.55	5115.5	5163.5
35	CCB	.15916	15.385	.01538	1.8239	-7.8439	1.2316
36	37053-1 1/20	-.79054	14.712	.01471	1.8256	74.861	.28847
37	37053-1S 1/20	.15814	48.544	.04854	43.175	90.085	25.951
38	37053-1SD 1/20	1.6215	56.835	.05683	43.366	94.912	29.920
39	37053-2	.26039	19.342	.01934	1.1685	-12.780	.04667
40	37057-1 1/20	-.09078	12.471	.01247	1.3873	42.432	.14289
41	37057-2 1/20	-.91251	9.3272	.00932	.05548	68.829	-.05138
42	37507-3 1/20	-.21705	13.420	.01342	-1.9195	67.550	-.02985
43	60903-1	-.88366	7.2925	.00729	20.243	16.233	67.719
44	60903-1S	44.185	2094.8	2.0949	2173.5	1092.9	2201.3
45	60903-1SD	45.103	2100.3	2.1002	2186.5	1115.0	2202.5
46	CCV	518.95	5178.5	5.1782	520.25	5171.4	5215.8
47	CCB	.38442	4.8610	.00486	-.32431	-9.5670	1.3899
48	PBW 179535	.65502	3.3777	.00337	-2.0010	-20.962	.09182
49	LCSW-1	54.226	2145.2	2.1453	2156.8	1073.6	2203.8
50	60958-1	-.52029	139.30	.13930	13.989	5056.6	9.7013
51	60958-1L	-.71617	27.549	.02755	5.7136	1002.5	1.8271
52	60958-1A	43.337	2194.7	2.1946	2126.0	5944.5	2097.4
53	60958-1S	53.187	2250.6	2.2505	2170.6	6214.1	2148.1

#	Sample Name	Ag	Al	2Al	As	B	Ba
54	60958-1SD	53.139	2267.3	2.2673	2178.8	6226.8	2162.0
55	60974-1	-.72091	866.52	.86654	8.4502	377.30	78.969
56	60972-1	-.41881	16.415	.01641	-2.3806	102.89	90.020
57	61029-1	.16062	-2.7342	-.00273	-.97421	-13.891	27.859
58	CCV	508.47	5127.4	5.1272	512.06	5062.3	5137.7
59	CCB	.56908	-4.4328	-.00443	-.40421	-9.3777	1.1145
60	61012-1	-.32272	278.30	.27830	1.6350	-8.5791	16.937
61	61012-1L	-.46950	53.837	.05383	-1.7434	-19.568	3.4621
62	61012-1A	34.504	1915.7	1.9158	1636.1	802.38	1696.3
63	61012-2	-.10090	646.85	.64686	1.6979	8.4546	28.613
64	61012-4	-.27093	747.71	.74773	1.8753	-8.0368	71.247
65	61007-3F	-.49728	6.1999	.00620	46.388	117.11	553.42
66	61007-2F	.33291	-1.1681	-.00116	1.2826	-10.723	102.02
67	61007-1F	.03281	131.35	.13134	-3.3857	-18.349	83.927
68	61078-1	-1.5491	3.7607	.00376	-1.6856	92.456	15.101
69	61077-2	-.37204	6.0758	.00607	-2.4941	13.091	14.151
70	CCV	511.23	5177.8	5.1776	516.42	5058.0	5164.8
71	CCB	-.17545	-13.707	-.01370	-.47006	-13.515	1.0229
72	61076-3	-.80867	-2.1108	-.00211	-1.6997	.04068	13.988
73	60945-6	-.04460	61.888	.06188	-1.1948	178.69	32.120
74	60945-1	.59486	47.136	.04713	5.0685	92.130	20.299
75	61007-3	-.17527	33.991	.03399	47.598	105.31	493.38
76	61007-2	-.08908	123530.	123.52	21.604	-.31586	2980.3
77	61007-1	.14526	14030.	14.030	10.999	-16.095	260.36
78	61007-1L	-.56889	2903.6	2.9036	1.2625	-22.709	53.442
79	61007-1A	42.312	15664.	15.663	2029.5	843.18	2351.3
80	CCV	514.56	5229.4	5.2293	517.91	5087.0	5214.7
81	CCB	-.61693	21.951	.02195	-1.9965	-12.037	1.0282
82	PBW 179536	-1.0150	-4.3671	-.00436	.00162	-20.771	-.26551
83	LCSW-1	51.140	2089.9	2.0900	2077.5	1018.8	2140.4
84	60930-1	53.772	2544.4	2.5444	2179.2	1079.9	2141.0
85	60930-1L	10.632	502.22	.50223	433.35	195.29	438.12
86	60930-1A	79.041	3720.4	3.7202	3383.2	2133.3	3278.9
87	60930-1S	53.650	2557.4	2.5573	2204.5	1091.2	2128.3
88	60930-1SD	.00630	435.28	.43529	1.2806	4.6398	34.482
89	60930-1 1/10	-.98259	-102.79	-.10279	3.2918	-26.712	3.3184
90	60930-1S 1/10	-.40670	-105.62	-.10562	1.3642	-27.457	2.0700
91	60930-1SD 1/10	-.98794	-107.45	-.10745	.30590	-29.357	-.23257
92	CCV	500.07	5097.0	5.0968	498.27	4922.5	5089.4
93	CCB	.39574	-10.516	-.01051	-1.2443	-11.949	1.4591
94	60930-2	-3.0864	634690.	634.68	303.92	80.599	5.8763
95	60930-2 1/10	-.39724	336.82	.33679	.12334	-29.038	-.20762
96	CCV	506.58	5127.0	5.1268	505.43	4991.2	5149.1
97	CCB	.18716	-2.8000	-.00280	-1.4494	-11.535	1.8528
98	PBW 179342) 179511	-.39645	-8.2254	-.00822	-.11883	-15.464	.37713
99	PBW (179455)	-.56964	-7.1514	-.00715	-2.4556	-21.637	.54833
100	LCSW-1	52.680	2112.0	2.1119	2091.7	1022.0	2111.3
101	LCSW-2	51.554	2058.4	2.0583	2056.4	1014.1	2076.0
102	60909-1	-.56724	18.341	.01834	11.369	-7.2694	4.8779
103	60999-1	-.51990	-2.0652	-.00206	-2.5621	-17.939	65.720
104	60999-2	-.24097	1.7011	.00170	-.38321	-16.233	66.967
105	60999-3	.15604	-5.6908	-.00569	-2.2574	-21.325	49.678
106	60999-4	-.06408	-.59465	-.00059	-1.9828	-20.452	81.322
107	69051-1	-1.6690	295.10	.29511	.00138	10.525	11.221

#	Sample Name	Ag	Al	2Al	As	B	Ba
108	CCV	499.58	5064.0	5.0640	498.67	4943.7	5079.9
109	CCB	-.63905	-10.547	-.01054	1.3375	-15.708	1.2016
110	60951-1L	-.32129	56.351	.05635	2.1176	-15.648	2.3647
111	60951-1A	44.390	2442.0	2.4421	2113.2	874.39	2133.3
112	60951-1S	52.092	2522.8	2.5228	2095.2	1066.5	2128.6
113	60951-1SD	51.812	2406.5	2.4065	2078.9	1049.5	2100.3
114	60920-1	1.0413	-8.7538	-.00875	1.4740	333.47	52.571
115	37043-2	-.54636	93.726	.09372	-4.2277	175.45	8.7057
116	37045-1	-.01877	-1.3117	-.00131	-.85909	44.287	29.722
117	60872-1	-.34322	13.351	.01335	.94245	43.856	3.8500
118	61051-1	-.07730	-8.0077	-.00800	.33203	-19.789	.42294
119	CCV	505.24	5129.3	5.1290	503.90	4985.4	5129.2
120	CCB	-.71473	-7.3017	-.00730	-1.0898	-15.815	.59378
121	PBW 179614	-.21871	-5.0415	-.00504	-3.6034	-23.768	-.02335
122	LCSS-1	53.324	2145.5	2.1453	2108.2	1044.0	2216.1
123	61109-1	-.58369	40836.	40.836	10.754	-15.080	141.37
124	61109-2	-.42190	57715.	57.714	12.652	-11.822	148.45
125	61109-2L	-.05389	12106.	12.105	3.0230	-23.058	31.005
126	61109-2A	41.115	59659.	59.655	1958.6	795.61	2179.0
127	61109-2S	51.021	52049.	52.049	2033.3	1000.8	2263.3
128	61109-2SD	51.338	58812.	58.810	2055.2	1025.0	2305.4
129	61109-3	-.68911	45693.	45.689	9.5760	-15.712	125.51
130	61109-4	.07069	33976.	33.975	10.746	-19.360	131.52
131	CCV	512.75	5218.0	5.2179	515.29	5060.4	5184.9
132	CCB	.27315	.81986	.00081	-.58720	-14.868	1.8828
133	PBS 179451	-.61926	-3.2448	-.00324	-1.6148	-24.100	-.10618
134	LCSS-1	52.336	2123.6	2.1237	2081.2	1019.2	2176.1
135	60980-1	.21172	279710.	279.70	221.52	108.67	1313.5
136	60980-1S	51.056	286290.	286.28	2034.4	1082.7	2649.1
137	60980-1SD	52.562	290260.	290.25	2204.8	1098.7	3067.3
138	60848-3	.14745	44814.	44.814	10.040	-13.145	157.48
139	CCV	509.20	5170.6	5.1703	512.74	5040.1	5152.8
140	CCB	.22493	-.09223	-.00009	-.25218	-16.638	1.0325
141	RL ICP	10.292	218.43	.21843	21.749	80.196	10.864
142	ICSA	-.28085	542700.	542.67	1.0388	-10.954	.80068
143	ICSAB	220.69	538990.	539.00	102.21	-11.785	539.93
144	CCV	509.08	5173.2	5.1731	506.09	5030.7	5152.3
145	CCB	-.29449	.21588	.00021	-2.7494	-15.941	.85029

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
1	HIGH STD 00033	942.59	9437.3	934.41	944.02	9421.6	9410.7
2	HIGH STD 00033	1024.3	10257.	1020.4	1024.4	10242.	10197.
3	HIGH STD 00033	979.33	9793.5	978.02	977.97	9784.4	9789.4
4	ICVP 00190	1022.6	1016.3	1033.2	1025.1	1032.8	1029.2
5	ICB	.00091	.78786	-.25933	-.56612	-.19207	-.38232
6	RL ICP 00045	4.0351	514.25	5.4283	9.8197	9.4627	21.202
7	ICSA61 00022	.04127	541700.	-.34663	-.12759	1.0354	1.3974
8	ICSAB61 00038	545.02	546070.	1039.1	509.42	520.42	572.26
9	CCVP 00072	517.37	5153.9	516.91	515.75	5162.0	5131.8
10	CCB	.06507	51.420	.21054	.06638	.62066	-.10542
11	CCV	500.01	4991.8	498.28	498.06	4990.6	4977.7
12	CCB	-.00505	2.2988	.17704	-.23094	-.30152	-.77634

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
13	PBW 179530	-.02986	54.164	.23250	-.89287	-.04108	-.62427
14	LCSW-1	52.241	5202.8	52.979	525.03	210.95	257.57
15	61069-4	-.04000	13117.	-1.1068	.82543	1.0259	-.65126
16	61069-1S	52.112	17800.	51.718	526.86	211.41	259.96
17	61069-1SD	52.130	17731.	51.744	528.02	211.83	261.14
18	PBW 179534	-.01962	59.626	-.31761	-.79827	-.17516	-1.1178
19	LCSW-1	52.355	5240.4	52.906	529.45	212.32	260.09
20	61069-1	.24305	12684.	-1.7441	1.1607	90.126	15.685
21	61069-1S	54.172	19015.	51.976	544.03	285.31	286.46
22	61069-1SD	52.904	19016.	50.827	531.50	285.75	280.78
23	CCV	510.41	5073.0	510.18	506.42	5079.4	5041.9
24	CCB	-.04040	1.4979	-.10452	-.90726	-1.2717	-1.3622
25	CCV	509.41	5073.9	510.68	507.43	5078.5	5052.2
26	CCB	-.00508	1.7745	.08541	-.38923	.18485	-.61799
27	60953-1 1/10	-.06113	5256.1	-.30348	-.29532	-.09818	-.26274
28	60953-1S 1/10	5.3467	5553.7	5.4949	54.236	22.099	26.953
29	60953-1SD 1/10	5.3326	5592.5	5.4586	53.180	20.963	26.229
30	60953-2 1/10	-.02380	5017.4	.04274	-1.0508	.12617	.08667
31	60904-1 1/20	-.05315	14496.	.05210	-.57091	-.39924	-.21285
32	60904-2 1/20	-.06562	12071.	-.09120	-.54901	-.33127	-.35169
33	60904-3 1/20	-.02807	4162.5	-.13919	.60566	2.0120	-.47143
34	CCV	514.53	5119.5	515.46	511.57	5124.1	5105.1
35	CCB	.09002	3.8514	.29109	-.25649	1.0059	1.0968
36	37053-1 1/20	-.03970	8193.5	-.16930	-.28833	.44360	.10336
37	37053-1S 1/20	.95252	7841.5	.90584	9.5825	3.3964	4.4990
38	37053-1SD 1/20	1.0193	8276.5	1.2602	10.225	3.8067	5.3750
39	37053-2	-.04898	89.870	-.14866	.99018	-.15656	209.31
40	37057-1 1/20	-.06481	6217.3	-.00518	.12420	-.56995	.62451
41	37057-2 1/20	-.04925	8052.6	-.07590	-.31784	-.48819	.01683
42	37507-3 1/20	-.06309	8029.0	.05312	-.90527	-.52555	-.58067
43	60903-1	-.02506	27776.	-.27399	-.98471	-.28351	-.21698
44	60903-1S	52.855	32528.	52.817	532.61	211.32	262.25
45	60903-1SD	52.886	32386.	52.970	533.95	212.24	262.38
46	CCV	518.73	5207.1	521.04	518.69	5182.1	5175.3
47	CCB	.09480	6.0742	.10460	.18414	.95496	1.1248
48	PBW 179535	.00773	9.3289	.05746	-.37206	-.07205	.14469
49	LCSW-1	53.715	5413.3	54.540	544.96	217.34	267.76
50	60958-1	-.05751	6368.7	-.11806	1.1915	.37913	3.4398
51	60958-1L	-.03283	1299.8	-.13325	-.21516	-.21517	.90376
52	60958-1A	52.021	10635.	52.281	529.34	206.84	269.81
53	60958-1S	53.628	11739.	53.534	544.83	213.87	276.28
54	60958-1SD	53.790	11762.	53.659	547.70	214.71	278.31
55	60974-1	-.00574	29446.	.19002	.05381	.90440	6.8517
56	60972-1	-.01057	86326.	.17998	-.30284	-.33296	3.2441
57	61029-1	-.00289	14139.	-.16165	-.44467	-.20032	.28624
58	CCV	507.05	5124.6	507.31	509.51	5072.9	5110.9
59	CCB	.11530	8.0875	.09214	.21513	.90998	1.2643
60	61012-1	.18188	299.71	.13526	.64465	-.53202	-.26136
61	61012-1L	.03351	72.191	.12862	.03572	-.17255	1.0884
62	61012-1A	40.966	4408.0	41.287	416.52	164.59	206.36
63	61012-2	.10496	13753.	.21972	-.18701	.16084	2.9652
64	61012-4	.24675	1825.2	.00274	.35790	-.48886	.53685
65	61007-3F	.07710	38018.	-.52925	63.730	1.2858	.55696
66	61007-2F	.03886	35287.	.21114	4.6686	.86833	1.4389

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
67	61007-1F	.03848	28230.	-.16251	5.5588	2.0962	.30628
68	61078-1	.02502	61708.	.13631	-.22404	9.3350	2.4363
69	61077-2	.04381	144000.	1.7823	-.82248	7.1830	7.2130
70	CCV	507.11	5163.7	505.49	512.03	5090.0	5141.8
71	CCB	.11943	10.025	.06590	-.70955	.38629	.63785
72	61076-3	.01892	24478.	.00053	-.06377	11.505	4.6219
73	60945-6	.03846	186970.	7.7095	-.01730	58.666	30.922
74	60945-1	.03513	81206.	.48666	.61895	8.9076	7.2419
75	61007-3	.13153	34117.	-.19971	59.057	1.1031	.85366
76	61007-2	17.976	146780.	8.1250	198.89	303.31	345.02
77	61007-1	1.5059	34186.	.45877	60.787	30.031	14.588
78	61007-1L	.30910	6984.6	-.06933	11.938	6.2690	2.7853
79	61007-1A	52.290	37558.	50.599	573.39	234.16	272.51
80	CCV	508.28	5166.9	508.23	513.72	5115.5	5196.7
81	CCB	.13704	6.1312	-.11214	.15793	.69108	.83788
82	PBW 179536	-.00326	19.944	-.08529	-.30273	-.65614	.11710
83	LCSW-1	51.191	5159.2	51.913	525.51	208.51	260.73
84	60930-1	51.275	H1143e3	51.510	540.35	212.22	291.92
85	60930-1L	10.350	205550.	10.414	108.02	41.972	56.494
86	60930-1A	79.508	H1130e3	79.603	831.84	326.82	440.78
87	60930-1S	51.329	H1181e3	52.354	545.62	214.48	290.82
88	60930-1SD	.07375	H1214e3	.12500	10.875	4.1158	15.743
89	60930-1 1/10	.47600	1633.5	-.08116	.55807	.02778	-5.9511
90	60930-1S 1/10	.45519	1065.3	-.09046	.41343	-.00751	-6.2640
91	60930-1SD 1/10	.38731	2337.2	-.15830	-.49871	-.36940	-6.4762
92	CCV	493.32	4962.9	488.43	499.04	4968.6	5058.9
93	CCB	.18757	10.627	.46639	-.34262	1.2687	1.9562
94	60930-2	5.3649	398240.	18.595	1199.7	108.97	H76398.
95	60930-2 1/10	.41566	263.43	-.19852	.81324	-.31790	43.804
96	CCV	496.80	4991.3	492.79	501.65	5004.6	5101.0
97	CCB	.21369	14.206	.31477	.25181	1.6316	2.8481
98	PBW 179342) 179511	.01281	121.31	-.12675	-.43002	.58435	.58226
99	PBW (179455)	.00251	58.687	.09103	-.66094	-.14070	-.18057
100	LCSW-1	51.182	5164.6	52.122	523.41	208.34	268.22
101	LCSW-2	50.729	5124.6	50.883	517.71	204.52	262.55
102	60909-1	.01991	3172.4	.12599	-.26840	.14444	1.0626
103	60999-1	.00890	60981.	-.08117	-.76298	.41431	.60079
104	60999-2	.01998	78316.	-.04949	.01725	.06175	1.0192
105	60999-3	.01213	58764.	.16206	-.52457	-.46320	.18849
106	60999-4	.02207	71535.	-.05068	.00494	-.43690	-.33774
107	69051-1	-.02338	26424.	-.20233	-.47790	1.3794	.17876
108	CCV	491.87	4952.6	486.53	496.69	4938.8	5042.8
109	CCB	.12605	7.8622	-.01613	-.16941	.92436	1.5452
110	60951-1L	.01873	5458.4	-.02983	.19510	.24888	.00731
111	60951-1A	52.394	31322.	52.220	528.76	212.09	269.35
112	60951-1S	52.028	31559.	51.949	524.97	209.96	269.16
113	60951-1SD	51.564	26918.	51.586	520.31	207.86	264.80
114	60920-1	.01727	46619.	H20509.	.36347	-1.5730	5.4104
115	37043-2	.01762	2322.2	15.985	-.16022	2.1430	2.6716
116	37045-1	.03807	7688.8	.21002	.78837	2.2298	.31342
117	60872-1	-.01024	1005.2	.11914	4.8348	14.085	4.6112
118	61051-1	.01782	1213.4	.15506	-.60937	-.27912	1.4180
119	CCV	494.91	4985.1	491.48	499.79	4978.2	5097.8
120	CCB	.09468	4.2749	-.09646	-.50907	.35195	.81370

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
121	PBW 179614	.00784	30.023	-.09202	-.72300	.05579	.39700
122	LCSS-1	52.617	5297.2	52.534	536.36	213.51	270.62
123	61109-1	3.3118	10287.	.22427	31.198	66.919	53.715
124	61109-2	3.1965	26186.	26.776	33.850	122.62	99.026
125	61109-2L	.70286	5485.4	5.8412	6.4615	24.795	20.091
126	61109-2A	51.908	30014.	74.444	523.54	316.57	348.89
127	61109-2S	53.930	32592.	70.879	538.68	269.66	345.53
128	61109-2SD	54.740	35335.	74.589	550.58	279.90	361.51
129	61109-3	4.5973	27112.	4.0016	27.540	113.14	54.073
130	61109-4	4.0704	8609.6	3.0882	21.668	48.170	44.549
131	CCV	505.22	5097.1	503.11	508.85	5076.8	5155.5
132	CCB	.21022	8.4315	.18319	.27434	1.8205	1.7472
133	PBS 179451	.02560	21.487	.22436	-.55314	.62653	-.15174
134	LCSS-1	52.431	5182.2	52.502	533.00	213.09	268.30
135	60980-1	10.560	98562.	1.7720	88.913	249.18	120.87
136	60980-1S	60.384	180540.	50.815	555.53	444.63	378.09
137	60980-1SD	62.277	129840.	51.441	580.97	455.82	387.56
138	60848-3	.79118	7043.4	-.31167	7.9089	51.671	39.930
139	CCV	503.16	5085.2	500.12	506.39	5058.5	5118.3
140	CCB	.11416	7.0748	.14076	-.22310	.55324	.37713
141	RL ICP	4.0762	527.63	5.4131	9.7677	9.5899	22.511
142	ICSA	.08657	533810.	.18221	.21029	1.1442	1.5949
143	ICSAB	525.77	532270.	997.33	495.57	503.41	561,63
144	CCV	502.08	5080.0	498.57	504.31	5038.3	5121.5
145	CCB	.10916	13.181	.04006	-.31249	.75857	.75401

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
1	HIGH STD 00033	9393.8	9.3939	19120.	9420.5	9.4205	9448.3
2	HIGH STD 00033	10230.	10.230	20545.	10249.	10.249	10266.
3	HIGH STD 00033	9803.3	9.8033	19632.	9796.6	9.7966	9803.8
4	ICVP 00190	1036.8	1.0371	19760.	1025.8	1.0258	1028.1
5	ICB	-8.0522	-.00805	-13.585	-.00745	.00000	.03083
6	RL ICP 00045	59.948	.05994	1021.7	518.15	.51799	10.084
7	ICSA61 00022	203390.	203.35	.19329	545530.	545.31	-1.6003
8	ICSAB61 00038	205380.	205.36	-8.9369	550410.	550.21	524.42
9	CCVP 00072	5189.7	5.1897	10171.	5171.5	5.1715	5164.0
10	CCB	25.227	.02522	-3.8579	54.190	.05417	.30351
11	CCV	5012.7	5.0127	9895.1	4995.8	4.9958	5003.2
12	CCB	2.8395	.00283	-.39525	1.6032	.00160	-.15455
13	PBW 179530	3.6390	.00363	29.517	11.301	.01129	-.05002
14	LCSW-1	1047.0	1.0471	5178.8	5238.0	5.2365	525.49
15	61069-4	104910.	104.89	6415.5	16595.	16.572	1154.2
16	61069-1S	101240.	101.23	11439.	21149.	21.126	1628.1
17	61069-1SD	100480.	100.46	11413.	21058.	21.035	1624.6
18	PBW 179534	8.7094	.00870	35.511	4.8127	.00480	.21481
19	LCSW-1	1063.2	1.0633	5156.6	5260.5	5.2590	528.34
20	61069-1	155690.	155.66	6480.5	15590.	15.559	1068.1
21	61069-1S	168650.	168.62	12576.	22261.	22.226	1684.9
22	61069-1SD	170580.	170.55	12782.	22333.	22.297	1683.0
23	CCV	5105.3	5.1053	10035.	5064.9	5.0648	5076.2
24	CCB	-1.0765	-.00107	-12.963	-3.2579	-.00325	-.13969
25	CCV	5096.5	5.0965	9962.7	5057.2	5.0572	5073.8

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
26	CCB	5.7984	.00579	10.216	1.6039	.00160	-.13434
27	60953-1 1/10	.09127	.00009	829.80	4143.2	4.1421	-.27806
28	60953-1S 1/10	110.64	.11065	1337.5	4498.1	4.4968	54.765
29	60953-1SD 1/10	103.55	.10355	1334.0	4549.1	4.5478	54.455
30	60953-2 1/10	3.5537	.00355	534.75	3590.1	3.5891	-.23787
31	60904-1 1/20	135.39	.13537	3148.4	14307.	14.303	.70036
32	60904-2 1/20	4.8233	.00482	8886.0	23194.	23.188	-.35027
33	60904-3 1/20	17.263	.01726	17267.	1850.8	1.8503	6.6563
34	CCV	5156.9	5.1569	10052.	5098.9	5.0989	5114.2
35	CCB	7.8175	.00781	9.2522	4.8930	.00489	1.1252
36	37053-1 1/20	7.0022	.00700	9474.8	26256.	26.249	-.03589
37	37053-1S 1/20	17.746	.01774	8942.1	24894.	24.887	10.028
38	37053-1SD 1/20	30.861	.03086	9520.6	26336.	26.329	10.316
39	37053-2	85.378	.08536	13.542	26.975	.02695	1.5588
40	37057-1 1/20	19.033	.01903	6023.7	17761.	17.756	-.25190
41	37057-2 1/20	-3.4549	-.00345	9269.3	25749.	25.741	-.38846
42	37507-3 1/20	2.5380	.00253	9250.8	25634.	25.627	-.36506
43	60903-1	165.74	.16572	4049.3	9746.2	9.7434	5.3700
44	60903-1S	1219.6	1.2197	9569.5	14807.	14.803	537.66
45	60903-1SD	1219.5	1.2195	9665.5	14826.	14.822	538.35
46	CCV	5227.8	5.2278	10189.	5202.6	5.2025	5186.1
47	CCB	-1.6797	-.00167	2.2827	-.02033	-.00001	1.0918
48	PBW 179535	21.169	.02116	5.0590	4.7940	.00478	-.01765
49	LCSW-1	1090.3	1.0904	5391.5	5432.6	5.4311	543.33
50	60958-1	78.738	.07872	H136330.	730.64	.73042	19.268
51	60958-1L	16.745	.01674	29647.	150.68	.15063	3.6826
52	60958-1A	1137.5	1.1376	H140390.	5099.0	5.0976	546.39
53	60958-1S	1173.0	1.1730	H142100.	6114.6	6.1130	561.30
54	60958-1SD	1182.7	1.1828	H142350.	6137.6	6.1360	564.09
55	60974-1	519.83	.51976	9152.1	10416.	10.413	30.358
56	60972-1	50.876	.05086	17278.	33334.	33.325	5.3861
57	61029-1	1048.2	1.0480	1509.4	3689.2	3.6883	569.89
58	CCV	5131.9	5.1319	10074.	5123.3	5.1233	5102.3
59	CCB	4.0825	.00408	9.9725	4.8274	.00482	.98993
60	61012-1	13.013	.01301	317.30	1330.6	1.3302	2.3872
61	61012-1L	-13.897	-.01389	65.982	269.51	.26943	.43892
62	61012-1A	853.50	.85356	4603.3	5501.9	5.5004	415.49
63	61012-2	196.69	.19666	1677.4	2526.0	2.5252	2.2179
64	61012-4	97.323	.09731	2851.4	3309.7	3.3088	13.030
65	61007-3F	49421.	49.412	6473.3	6111.7	6.1031	4076.1
66	61007-2F	13.886	.01388	1870.2	3927.6	3.9270	1201.6
67	61007-1F	222.49	.22246	1059.5	3070.2	3.0697	976.17
68	61078-1	80.562	.08055	4382.0	12916.	12.913	17.199
69	61077-2	760.90	.76080	2037.9	8002.8	8.0004	46.953
70	CCV	5148.4	5.1484	10173.	5142.3	5.1423	5128.6
71	CCB	3.4399	.00343	1.9551	.03172	.00003	.92644
72	61076-3	12.579	.01257	706.09	13505.	13.501	7.4900
73	60945-6	4198.3	4.1977	11071.	10357.	10.353	43.650
74	60945-1	211.11	.21108	8639.4	15021.	15.017	25.736
75	61007-3	46870.	46.864	5959.8	5546.1	5.5376	2820.7
76	61007-2	144650.	144.63	10021.	30806.	30.779	15353.
77	61007-1	24947.	24.943	1877.0	4262.0	4.2579	3208.9
78	61007-1L	5098.0	5.0974	371.67	878.83	.87799	659.99
79	61007-1A	25099.	25.095	6354.0	8579.0	8.5738	3610.4

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
80	CCV	5160.6	5.1606	10305.	5161.6	5.1616	5169.2
81	CCB	6.9271	.00692	-5.9751	3.2158	.00321	1.1593
82	PBW 179536	-6.3636	-.00636	-17.305	-3.2454	-.00324	.33280
83	LCSW-1	1041.8	1.0419	5308.6	5175.4	5.1740	526.42
84	60930-1	1134.9	1.1350	8992.6	31184.	31.175	982.56
85	60930-1L	235.99	.23600	1580.8	6330.8	6.3291	198.66
86	60930-1A	1705.4	1.7056	15680.	36213.	36.201	1265.6
87	60930-1S	1161.2	1.1613	9392.4	32136.	32.126	994.91
88	60930-1SD	95.643	.09563	2749.9	27666.	27.658	475.33
89	60930-1 1/10	-8.5762	-.00857	-45.154	51.303	.05129	1.3650
90	60930-1S 1/10	-6.9027	-.00690	-40.004	32.579	.03257	.82617
91	60930-1SD 1/10	-16.680	-.01667	-50.730	61.290	.06127	.83328
92	CCV	5007.2	5.0072	10153.	5015.4	5.0154	5014.4
93	CCB	5.8557	.00585	.30905	1.6148	.00161	1.3192
94	60930-2	H1265e3	1265.3	715.89	41360.	41.128	4362.0
95	60930-2 1/10	899.74	.89962	-40.504	27.714	.02754	2.9446
96	CCV	5012.2	5.0122	10227.	5030.3	5.0303	5059.4
97	CCB	25.607	.02560	5.6947	3.2023	.00319	1.6899
98	PBW 179342) 179511	1.6333	.00163	31.549	20.496	.02049	-.15057
99	PBW (179455)	-7.5225	-.00752	55.947	8.1400	.00813	-.16862
100	LCSW-1	1041.1	1.0411	6260.2	5102.0	5.1007	520.97
101	LCSW-2	1020.0	1.0201	6125.4	5054.8	5.0534	514.29
102	60909-1	98.424	.09841	100.15	236.63	.23654	4.9552
103	60999-1	6.5894	.00658	520.90	1429.0	1.4287	143.20
104	60999-2	9.0913	.00909	598.89	1351.9	1.3516	115.00
105	60999-3	8.3357	.00833	448.77	1042.4	1.0421	74.450
106	60999-4	2.5479	.00254	647.43	1808.5	1.8081	162.93
107	69051-1	122.06	.12204	129.42	498.54	.49837	.98829
108	CCV	4964.6	4.9646	10132.	4987.2	4.9872	4992.7
109	CCB	6.2275	.00622	-5.9252	1.6132	.00161	1.0985
110	60951-1L	38.611	.03860	33.075	104.09	.10405	.06680
111	60951-1A	1204.8	1.2049	5492.1	4843.1	4.8418	528.39
112	60951-1S	1192.3	1.1924	6393.2	5596.6	5.5950	524.48
113	60951-1SD	1165.1	1.1652	6179.7	5495.2	5.4936	519.12
114	60920-1	-2.4214	-.00242	H51216.	15725.	15.721	2071.2
115	37043-2	252.52	.25248	1081.3	720.37	.72012	7.4512
116	37045-1	6.4945	.00649	2801.6	5687.9	5.6863	15.715
117	60872-1	9082.3	9.0812	2318.9	158.25	.15671	244.53
118	61051-1	109.62	.10960	292.21	47.846	.04781	2.7999
119	CCV	5012.7	5.0127	10242.	5001.1	5.0011	5029.8
120	CCB	-1.7043	-.00170	-17.844	1.6093	.00160	.74062
121	PBW 179614	32.306	.03230	15.885	6.3950	.00638	.01639
122	LCSS-1	1107.0	1.1070	5322.4	5317.7	5.3162	539.89
123	61109-1	68301.	68.290	3392.7	17319.	17.302	1002.3
124	61109-2	108330.	108.32	3782.5	25559.	25.533	1548.9
125	61109-2L	22740.	22.735	783.58	5341.8	5.3364	324.85
126	61109-2A	108270.	108.25	8054.4	29461.	29.434	2029.1
127	61109-2S	82877.	82.865	8554.5	27165.	27.144	1928.5
128	61109-2SD	95192.	95.174	9033.6	28915.	28.891	2058.3
129	61109-3	82633.	82.615	2747.3	21522.	21.502	1120.9
130	61109-4	64822.	64.810	3575.3	12187.	12.173	895.64
131	CCV	5134.3	5.1343	10363.	5130.1	5.1301	5124.4
132	CCB	9.3180	.00931	8.4964	8.0632	.00806	1.8078
133	PBS 179451	30.585	.03058	12.153	1.6135	.00160	.56726

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
134	LCSS-1	1082.6	1.0827	5101.0	5217.3	5.2158	536.23
135	60980-1	192160.	192.13	H49375.	50572.	50.526	8443.9
136	60980-1S	177400.	177.37	H55862.	54327.	54.279	3921.1
137	60980-1SD	192380.	192.34	H55631.	56690.	56.640	4893.7
138	60848-3	16684.	16.681	1868.7	1996.3	1.9929	215.80
139	CCV	5095.2	5.0952	10297.	5095.8	5.0958	5103.7
140	CCB	11.125	.01112	9.8543	.00018	.00000	.89146
141	RL ICP	52.916	.05291	1058.5	524.72	.52456	10.510
142	ICSA	200290.	200.25	4.0494	541080.	540.85	-1.3312
143	ICSAB	199470.	199.44	13.982	539360.	539.16	510.72
144	CCV	5087.1	5.0870	10344.	5098.3	5.0983	5079.5
145	CCB	7.1611	.00716	3.8030	8.1375	.00813	.78180

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
1	HIGH STD 00033	943.41	14314.	4705.3	941.55	9423.4	937.69
2	HIGH STD 00033	1026.7	15455.	5104.7	1013.5	10126.	1021.8
3	HIGH STD 00033	975.97	14583.	4902.2	980.95	9820.8	980.51
4	ICVP 00190	1027.0	10320.	1029.7	1020.1	1034.4	1008.1
5	ICB	-1.0048	97.273	-.51334	-.06533	-.09625	-2.9760
6	RL ICP 00045	9.0713	1009.8	41.454	9.9396	22.928	22.632
7	ICSA61 00022	-.85112	286.19	-.67334	-4.1005	-.41735	1.7561
8	ICSAB61 00038	1048.9	187.04	1008.0	48.350	57.074	676.38
9	CCVP 00072	516.24	7609.8	2582.4	519.40	5189.5	517.36
10	CCB	-.33561	154.80	.52945	.46256	-3.5055	-1.5098
11	CCV	497.66	7355.4	2495.6	502.78	5011.4	500.92
12	CCB	-2.5463	314.62	-.52514	-.44909	.84537	.78307
13	PBW 179530	-1.5803	188.24	.28582	1.1094	-1.0670	3.2452
14	LCSW-1	524.80	5219.1	524.07	520.19	2103.1	518.20
15	61069-4	2.6953	4835.9	29.761	-.75641	1.1737	6.2790
16	61069-1S	529.31	9632.4	548.38	516.38	2115.3	523.47
17	61069-1SD	531.36	9625.0	550.17	520.51	2127.2	526.82
18	PBW 179534	-1.4679	206.56	-.82036	.91818	-2.5138	4.4518
19	LCSW-1	527.28	5079.5	526.96	524.60	2100.1	518.58
20	61069-1	10.535	4722.2	61.876	2.1464	-.59670	1.8599
21	61069-1S	552.98	10240.	586.79	537.92	2142.1	532.43
22	61069-1SD	539.87	10184.	579.19	525.70	2116.6	523.41
23	CCV	509.63	7575.1	2539.2	511.85	5106.9	510.57
24	CCB	-.39056	110.55	-.32957	-1.5876	-.49849	-2.1212
25	CCV	508.21	7518.9	2540.7	512.80	5139.5	509.82
26	CCB	-1.4425	174.29	.62698	.10203	-1.3874	.48147
27	60953-1 1/10	.35408	16560.	.37612	.56722	-.02539	-.06886
28	60953-1S 1/10	54.316	16487.	54.651	54.110	214.44	53.460
29	60953-1SD 1/10	54.031	16532.	53.976	51.406	210.90	56.148
30	60953-2 1/10	.21508	9827.0	-.31759	.42693	-1.0038	1.5606
31	60904-1 1/20	-1.7662	H139260.	.18418	.61922	.19037	1.5256
32	60904-2 1/20	-4.0089	H238430.	-.47562	-.30830	-.68971	-3.3138
33	60904-3 1/20	-1.0856	30741.	1.4750	.71682	-2.5906	-2.3096
34	CCV	512.43	7452.4	2559.8	515.48	5176.9	511.01
35	CCB	-2.5006	24.922	1.4658	.13610	-.71478	3.8419
36	37053-1 1/20	-2.0877	H247420.	.18922	-.16084	-.81181	.70861
37	37053-1S 1/20	7.9056	H232240.	9.5564	8.2920	41.148	8.5991
38	37053-1SD 1/20	8.6532	H247440.	10.221	9.9144	43.294	14.072

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
39	37053-2	-2.3283	178.64	.42919	5.0466	-2.6252	1.3847
40	37057-1 1/20	-1.3230	H161320.	.00932	.70272	2.5371	3.1665
41	37057-2 1/20	-2.1946	H243490.	1.0600	-.10325	-1.8440	-2.8400
42	37507-3 1/20	-1.7679	H243130.	1.2007	-.91217	.31980	2.5990
43	60903-1	27.601	20492.	.33458	.02949	57.081	-1.5512
44	60903-1S	546.97	25473.	527.11	527.58	2092.7	506.81
45	60903-1SD	558.62	25475.	528.68	525.73	2098.1	514.70
46	CCV	522.03	7895.0	2597.4	521.41	5218.2	527.55
47	CCB	-.00996	-14.700	-.34316	.37581	1.2559	1.6685
48	PBW 179535	-.51902	27.457	.91575	.71633	-2.3516	1.1528
49	LCSW-1	541.40	5180.5	541.02	540.84	2185.8	541.18
50	60958-1	31.756	H151070.	6.7137	1.0731	-3.9529	2.7484
51	60958-1L	4.4786	28008.	1.2689	2.6631	-1.5074	2.4859
52	60958-1A	453.90	H156540.	529.70	524.44	2131.7	527.49
53	60958-1S	570.60	H159620.	542.79	535.91	2157.7	545.16
54	60958-1SD	571.67	H159740.	545.52	538.88	2175.5	542.27
55	60974-1	9.3365	26687.	3.2527	7.5529	4.1697	.93945
56	60972-1	4.3578	48713.	.80939	1.5507	.33180	2.2538
57	61029-1	-.70420	10404.	.74314	-.52246	-1.4774	-.31791
58	CCV	506.21	7633.8	2557.9	510.05	5084.9	511.89
59	CCB	-1.6912	90.850	.82326	1.8688	1.8072	.15839
60	61012-1	-1.2302	26717.	1.3564	.78345	-2.6613	-.23514
61	61012-1L	-2.3006	5388.6	.86243	-.59326	-1.1703	-.89058
62	61012-1A	396.16	31199.	413.37	411.10	1655.4	402.19
63	61012-2	-1.6518	6184.4	2.7601	2.2207	.42026	.89955
64	61012-4	-2.4788	10222.	1.8584	.65715	.96022	1.3241
65	61007-3F	.73222	53636.	9.9131	1.1759	-2.6649	-1.4199
66	61007-2F	2.7396	19474.	10.346	-.46022	-1.6830	3.4690
67	61007-1F	-.37046	15415.	14.467	1.2802	-2.0685	-.98572
68	61078-1	13.432	19341.	3.0205	1.2172	-3.0726	-.86095
69	61077-2	2.8336	23101.	4.7395	1.3120	-4.3122	.21662
70	CCV	508.43	7674.0	2564.3	516.11	5106.1	518.42
71	CCB	-1.5874	103.66	.30286	1.1882	3.3645	.17883
72	61076-3	-.02325	2615.0	4.0660	-.17784	-3.3380	-.67515
73	60945-6	12.252	50571.	12.482	6.7599	.35767	4.8601
74	60945-1	22.124	32791.	3.1444	.70626	-3.1387	2.1975
75	61007-3	-.65638	49467.	9.5657	-.70155	1.5746	.31278
76	61007-2	11.257	22849.	259.57	152.09	17.057	1.6704
77	61007-1	2.8821	16179.	48.788	10.253	2.8420	-.61992
78	61007-1L	1.5258	3266.7	9.3899	2.8783	-3.5814	-.57417
79	61007-1A	422.57	20065.	555.68	510.96	1994.7	502.02
80	CCV	511.33	7493.1	2577.1	518.40	5125.6	513.95
81	CCB	-.07843	84.380	.50702	.15581	2.8917	-.37975
82	PBW 179536	-2.5259	64.858	-.54593	-1.4762	-4.7209	-2.7195
83	LCSW-1	511.34	4787.1	523.06	521.95	2086.4	506.47
84	60930-1	529.85	45728.	550.24	521.12	2222.8	547.55
85	60930-1L	105.04	8682.5	110.60	106.02	435.44	112.90
86	60930-1A	1044.2	51438.	839.37	804.05	3427.9	852.27
87	60930-1S	533.58	47249.	555.98	525.21	2250.2	549.14
88	60930-1SD	-.34621	42892.	27.899	-.43046	52.161	3.7042
89	60930-1 1/10	-2.1120	448.98	.27455	3.9893	10.813	-1.7657
90	60930-1S 1/10	-1.5370	342.76	.12013	3.3533	7.0153	-.73974
91	60930-1SD 1/10	-2.5791	236.56	-.45754	.83923	-1.2562	-3.5168
92	CCV	492.33	7412.9	2494.8	498.88	4915.1	503.39

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
93	CCB	-.46812	6.9418	.20101	.25225	1.6474	1.3992
94	60930-2	8.7154	H91576.	605.46	L-11.103	174.17	9.9744
95	60930-2 1/10	-2.7947	530.32	.30879	2.0262	-3.4395	-5.9233
96	CCV	497.62	7407.7	2517.1	502.44	4982.3	508.70
97	CCB	-.76939	59.291	1.2490	1.6135	1.0004	-.24666
98	PBW 179342) 179511	-.84764	H163590.	-.15995	.84699	-3.9185	-.20900
99	PBW (179455)	-1.5839	H149570.	-1.2989	1.5914	-1.3799	-1.0410
100	LCSW-1	518.29	H209310.	520.27	519.23	2094.1	523.87
101	LCSW-2	513.31	H200480.	513.45	510.60	2058.4	512.80
102	60909-1	-.37564	H207150.	.45585	2.5960	-.83507	1.7180
103	60999-1	-1.3303	H184670.	.03375	-.71732	-1.0575	-3.2008
104	60999-2	-2.5082	H232500.	-.52423	.75377	-2.7864	-2.9278
105	60999-3	-1.5464	H170890.	.96024	-.05912	1.7354	2.1891
106	60999-4	-1.7301	H220170.	1.1365	.10278	-.59018	-1.8687
107	69051-1	-2.0848	H195850.	-1.1652	3.5039	-1.8616	-5.8827
108	CCV	490.85	7496.2	2488.9	499.88	4964.5	503.22
109	CCB	-1.1183	129.29	-.22562	-.98042	1.5397	-1.0953
110	60951-1L	-2.6216	36700.	.04737	-.18273	.69485	2.7268
111	60951-1A	426.03	H203940.	526.61	526.69	2099.1	522.79
112	60951-1S	525.18	H201420.	521.71	520.62	2092.7	522.81
113	60951-1SD	520.27	H163820.	515.33	519.20	2082.8	518.63
114	60920-1	-1.6652	H221790.	7.7786	4299.1	-.86652	-.39485
115	37043-2	-3.0806	H203110.	1.8229	58.468	-3.1431	6.1174
116	37045-1	-1.4772	H200250.	1.5933	6.9680	-2.1028	1.9322
117	60872-1	-.18220	H163570.	25.920	5.2900	-2.0323	-.94373
118	61051-1	-1.7979	1281.0	-.37056	2.8161	-1.1144	1.2250
119	CCV	493.42	7634.5	2503.6	500.44	4980.0	503.58
120	CCB	-2.2646	-69.707	-.04097	-.85986	-.98225	1.1946
121	PBW 179614	-.47441	149.09	-.19949	.29546	-.96872	.77750
122	LCSS-1	530.76	5342.7	534.96	526.45	2103.7	528.38
123	61109-1	.82657	422.89	49.645	43.445	-1.7883	.31137
124	61109-2	2.8886	313.55	68.684	116.74	-3.1322	-.51498
125	61109-2L	.04950	3.4876	14.400	24.792	.84360	2.2244
126	61109-2A	392.19	4312.1	552.62	598.00	1948.8	490.42
127	61109-2S	497.84	5423.0	558.35	596.44	2016.8	501.27
128	61109-2SD	507.64	5545.3	573.31	623.39	2040.2	497.59
129	61109-3	6.2612	503.18	42.256	158.25	1.5466	4.5230
130	61109-4	3.2049	336.81	33.792	119.32	.11644	1.2275
131	CCV	503.37	7653.1	2555.9	511.46	5085.3	515.83
132	CCB	-1.8732	265.99	.97199	.30427	2.3848	1.9619
133	PBS 179451	-.78270	214.81	1.5412	.84365	-1.6062	-.26816
134	LCSS-1	516.90	5121.7	532.31	526.60	2089.6	522.67
135	60980-1	3.0901	5283.0	135.87	273.56	5.9213	4.1536
136	60980-1S	455.24	10150.	613.40	835.05	2003.4	299.67
137	60980-1SD	462.05	10649.	630.49	682.52	2044.3	319.06
138	60848-3	.21266	142.67	13.961	291.80	-2.8123	2.2279
139	CCV	502.75	7637.4	2538.4	509.13	5054.8	505.76
140	CCB	.18444	181.65	1.1301	-.46636	-3.7199	-.89739
141	RL ICP	8.2796	1073.5	41.909	10.274	16.613	21.858
142	ICSA	-.98445	218.71	-.21965	-4.5179	1.1148	8.1316
143	ICSAB	1014.0	235.39	985.83	46.091	55.992	652.31
144	CCV	500.67	7524.5	2531.8	506.31	5032.5	510.17
145	CCB	-.19698	182.39	-.14499	-.16574	3.5092	1.4859

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
1	HIGH STD 00033	9387.2	4721.9	939.25	9400.2	9414.5	4707.5
2	HIGH STD 00033	10226.	5102.5	1021.3	10217.	10239.	5106.8
3	HIGH STD 00033	9774.9	4892.3	978.60	9795.8	9782.8	4891.8
4	ICVP 00190	1028.9	1051.8	1002.7	1008.7	1004.9	1029.6
5	ICB	-.55139	.01795	-.07402	1.0706	-.68133	-.55042
6	RL ICP 00045	52.032	10.584	10.152	20.259	9.9594	21.269
7	ICSA61 00022	2.0153	2.4094	1.6655	-5.1868	-5.8062	4.4201
8	ICSAB61 00038	1048.0	2.4952	1.9470	101.88	522.80	1029.4
9	CCVP 00072	5168.2	2628.6	516.30	5191.5	5137.9	2583.7
10	CCB	1.1105	.10712	.06599	-1.3325	.23442	-.10628
11	CCV	4974.4	2556.3	498.93	5005.5	4966.5	2491.9
12	CCB	1.2391	-.10115	-.15583	3.2686	-.55390	-.44764
13	PBW 179530	1.4839	.10736	-.06520	-.90078	-.10394	1.1718
14	LCSW-1	1043.8	545.17	729.67	2158.8	512.95	528.10
15	61069-4	-.88587	129.86	.03893	-1.0437	-.31506	9.7922
16	61069-1S	1060.1	673.03	734.55	2143.1	512.94	531.65
17	61069-1SD	1055.6	669.05	730.01	2156.1	514.15	533.63
18	PBW 179534	3.8886	-.00163	.05734	.31974	-.00961	2.9416
19	LCSW-1	1051.7	550.17	735.46	2156.0	515.89	531.81
20	61069-1	2.6264	129.65	109.16	3.8778	14.499	41.476
21	61069-1S	1090.8	708.92	854.21	2204.7	546.04	586.91
22	61069-1SD	1063.4	699.41	842.85	2153.0	535.42	579.99
23	CCV	5072.8	2607.7	507.64	5114.7	5033.5	2545.6
24	CCB	-.75642	-.09458	-.31076	6.0578	-.86878	-.72529
25	CCV	5082.3	2609.8	508.01	5107.8	5038.6	2544.4
26	CCB	2.5336	-.06143	-.12647	1.9282	-.15849	-.13891
27	60953-1 1/10	1.1927	1558.8	-.08032	-3.8855	-.81103	.14527
28	60953-1S 1/10	109.40	1537.9	75.201	219.97	51.933	54.980
29	60953-1SD 1/10	110.91	1552.5	75.055	217.66	51.247	54.204
30	60953-2 1/10	3.0366	1752.4	-.05588	-1.9629	.38800	.82411
31	60904-1 1/20	3.7666	1263.3	-.09299	-.62457	-.30312	-.02994
32	60904-2 1/20	-.49120	405.78	.01539	-2.0761	-1.8497	-.55372
33	60904-3 1/20	.66708	30.632	2.2626	-3.4257	1.2462	.81923
34	CCV	5123.2	2637.4	512.44	5151.6	5086.0	2562.7
35	CCB	1.0432	.56869	.10465	8.7077	.87185	.42985
36	37053-1 1/20	.95671	160.22	.14039	-2.0538	-.49832	.24074
37	37053-1S 1/20	19.876	160.22	13.731	37.661	8.9220	10.452
38	37053-1SD 1/20	22.593	169.34	14.310	42.894	9.6604	11.983
39	37053-2	2.4255	.24040	-.04844	-.74769	-.06644	143.06
40	37057-1 1/20	1.2462	112.29	-.23783	-.46206	-.63087	1.0933
41	37057-2 1/20	.70370	156.67	-.03053	-3.9401	-.78620	.20218
42	37507-3 1/20	-1.4000	157.10	-.15965	-1.9595	-1.0425	-.09630
43	60903-1	.73710	4050.9	-.30242	-4.9330	-.40722	.43064
44	60903-1S	999.32	4492.2	723.49	2161.8	521.05	541.27
45	60903-1SD	1017.0	4461.5	738.82	2169.2	521.99	542.03
46	CCV	5204.2	2640.2	520.17	5212.0	5175.8	2604.9
47	CCB	4.5799	.82765	.07200	-.74260	1.2350	.94971
48	PBW 179535	2.7055	.07284	-.10229	-2.8166	.01637	.02663
49	LCSW-1	1083.4	562.49	757.14	2242.1	533.43	549.12
50	60958-1	-.87727	41.642	.60501	-2.7810	.26698	32.284
51	60958-1L	-1.0292	8.5093	.19190	-3.2158	-.35810	6.0518
52	60958-1A	883.24	481.40	850.45	2163.7	510.44	574.75
53	60958-1S	1084.5	585.88	745.04	2199.2	524.95	589.50

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
54	60958-1SD	1095.4	587.57	748.81	2211.7	528.49	592.86
55	60974-1	.67059	205.95	8.7347	.20719	.17793	50.497
56	60972-1	1.2513	581.28	.36005	-1.4234	.44069	90.199
57	61029-1	-1.4596	121.05	.01336	2.2050	-.36772	59.914
58	CCV	5088.1	2577.2	510.67	5089.1	5106.0	2558.8
59	CCB	2.4856	.51863	.14937	2.8612	.84119	-.03335
60	61012-1	.95056	15.653	.03720	.50320	-.45928	3.3391
61	61012-1L	-1.5941	3.2124	-.02004	-4.1396	-.86143	.88791
62	61012-1A	830.16	438.22	815.40	1666.3	406.81	421.80
63	61012-2	.59413	46.114	.82936	-2.5469	1.2116	21.468
64	61012-4	1.3216	50.662	2.0419	-.36634	-.37822	3.3984
65	61007-3F	-1.3098	1129.2	.13480	-4.4558	-1.8076	37.936
66	61007-2F	-.68399	187.56	.22407	-1.8753	-.19579	11.492
67	61007-1F	.37812	154.63	3.8253	2.3988	-.06304	11.675
68	61078-1	3.3982	49.610	.03933	-5.1144	-.49078	13.550
69	61077-2	.32633	95.464	.21422	-4.6302	-1.0664	13.461
70	CCV	5110.4	2565.8	512.98	5096.9	5147.4	2570.0
71	CCB	2.3956	.46071	.02505	2.9210	.17171	.19737
72	61076-3	-.74590	21.150	.08227	-.57221	-.93673	3.1341
73	60945-6	1.5607	139.70	1.1802	.58684	-.75386	51.316
74	60945-1	2.2953	69.779	.81948	-1.6384	.36587	35.212
75	61007-3	-.62729	1031.1	1.0260	-5.2916	-.60399	24.379
76	61007-2	6.7455	861.85	2468.1	-1.2719	361.75	901.53
77	61007-1	.96363	191.83	280.50	-5.7429	44.656	75.670
78	61007-1L	-.06107	39.590	57.332	2.3844	8.2827	15.366
79	61007-1A	881.08	634.57	1141.4	2057.5	551.58	585.38
80	CCV	5127.7	2591.9	517.13	5095.4	5181.6	2570.7
81	CCB	2.5301	.48464	.13906	4.2809	.51878	.20369
82	PBW 179536	-1.1426	-.07273	-.06549	-2.8650	-1.2633	.58820
83	LCSW-1	1025.8	528.41	717.14	2138.8	518.11	529.23
84	60930-1	1066.1	1628.0	736.11	2150.5	523.46	532.62
85	60930-1L	215.51	334.30	147.79	428.06	104.86	107.58
86	60930-1A	2139.6	2115.1	1769.9	3338.6	812.47	827.37
87	60930-1S	1073.1	1639.6	734.52	2164.3	525.03	541.19
88	60930-1SD	.20746	1162.7	2.1927	-.87927	.03111	1.4687
89	60930-1 1/10	.59045	2.7011	1.4162	-1.1398	-.63119	.50692
90	60930-1S 1/10	.79670	1.7186	.88612	.20878	-.66757	.18729
91	60930-1SD 1/10	-1.3543	2.6653	.01789	-1.9477	-1.4153	-.48783
92	CCV	4955.2	2521.2	502.25	4946.2	5033.6	2488.4
93	CCB	3.2671	.69527	.10670	7.4229	1.1053	.96371
94	60930-2	1.6055	1423.2	6.1525	L-37.632	114.72	556.00
95	60930-2 1/10	-2.0169	.93569	.04605	-4.5074	-2.2004	-.15765
96	CCV	4997.8	2546.9	507.24	4989.0	5089.1	2502.5
97	CCB	3.5849	.90563	.16128	2.6068	1.4865	.50148
98	PBW 179342) 179511	1.9623	.73316	-.09905	.37859	-.39365	.96511
99	PBW (179455)	3.0543	.37368	-.15496	-2.7782	-.83862	.35513
100	LCSW-1	1036.2	523.44	726.32	2145.0	521.51	530.36
101	LCSW-2	1024.4	517.67	716.68	2112.1	513.40	525.97
102	60909-1	3.6233	31.315	.02076	2.7271	-.01731	103.97
103	60999-1	1.2417	77.931	.02070	1.3176	.30535	1.7780
104	60999-2	-.85621	112.18	.23624	-.47613	-.00643	4.0007
105	60999-3	2.0153	82.878	-.11644	-2.3801	-.10659	2.5102
106	60999-4	.19566	93.594	-.07298	-3.0865	-.72737	1.4300
107	69051-1	-1.4237	36.889	6.7414	-7.8333	-.09896	4.6707

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
108	CCV	4939.8	2521.1	500.48	4934.4	5020.6	2476.7
109	CCB	1.7384	.54623	.20213	2.8896	.53791	.55794
110	60951-1L	3.5848	7.5556	1.3722	-2.5339	.29297	.54479
111	60951-1A	885.46	479.82	879.23	2146.1	531.74	541.39
112	60951-1S	1039.6	564.32	736.91	2138.4	527.69	536.78
113	60951-1SD	1035.6	550.95	727.89	2126.7	521.58	533.84
114	60920-1	-1.1514	62.009	-.10092	6.3050	-1.7230	H39616.
115	37043-2	3.9017	12.813	85.914	-1.6048	-.07255	135.68
116	37045-1	.50127	33.795	.01385	-.96619	.91530	6.1223
117	60872-1	1.8801	5.2116	.15565	-1.9477	-.53352	18.984
118	61051-1	2.1578	6.9890	-.08313	-3.9471	-.00957	4.7555
119	CCV	4964.1	2549.4	504.46	4979.7	5054.9	2475.3
120	CCB	.28927	.36835	.00134	1.5394	-.16093	-.00290
121	PBW 179614	13.848	-.04925	.06621	-3.0823	-.54696	1.9073
122	LCSS-1	1066.9	552.40	754.17	2167.1	531.98	533.28
123	61109-1	16.400	113.86	3141.2	1.4713	97.523	260.98
124	61109-2	17.115	354.51	3574.2	1.8709	131.61	1637.5
125	61109-2L	4.0299	74.687	748.69	.83763	27.103	346.44
126	61109-2A	819.80	774.27	4348.7	1976.9	616.08	2104.4
127	61109-2S	1012.3	908.39	4166.8	2066.4	612.45	1665.4
128	61109-2SD	1032.8	984.06	4828.1	2095.6	641.70	1909.0
129	61109-3	16.069	185.10	2945.1	3.9365	119.06	240.71
130	61109-4	21.023	92.711	2815.7	.77021	81.733	214.16
131	CCV	5076.1	2585.5	515.09	5075.7	5141.7	2537.4
132	CCB	4.7957	.93319	.67290	7.7312	1.4738	.82767
133	PBS 179451	14.021	-.07536	.08400	.71822	.06407	2.5402
134	LCSS-1	1040.8	537.40	731.01	2159.1	526.97	536.13
135	60980-1	25.413	530.13	1570.3	3.2868	351.16	591.81
136	60980-1S	995.24	1065.3	1997.7	2038.8	799.70	1078.4
137	60980-1SD	1017.2	1096.6	1803.9	2097.4	832.35	1092.4
138	60848-3	27.910	124.60	1232.9	.76115	42.249	72.522
139	CCV	5051.1	2581.0	509.87	5066.1	5108.3	2527.0
140	CCB	.47111	.40413	.06368	3.3242	.92281	.17417
141	RL ICP	49.680	10.861	10.517	24.344	9.8953	21.861
142	ICSA	4.0674	2.4441	1.7604	-2.7156	-6.0452	4.8637
143	ICSAB	1014.8	2.4098	1.8076	97.843	512.64	1001.7
144	CCV	5024.9	2579.5	508.41	5029.7	5095.6	2507.2
145	CCB	1.2731	.37883	-.07859	4.3502	.35860	-.06273

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
1	HIGH STD 00033	939.99	942.32	9411.6	9429.3	1020.81
2	HIGH STD 00033	1007.5	1016.5	10052.	10163.	953.347
3	HIGH STD 00033	978.65	982.09	9796.1	9833.0	1024.92
4	ICVP 00190	1018.9	1020.7	1033.4	1034.9	979.906
5	ICB	.81696	-.50582	.69120	-.48939	993.227
6	RL ICP 00045	12.323	8.7498	26.513	21.138	988.822
7	ICSA61 00022	36.550	-24.395	4.8731	-3.0586	882.1
8	ICSAB61 00038	79.574	32.761	56.015	57.602	876.382
9	CCVP 00072	518.10	520.05	5158.5	5204.9	977.092
10	CCB	.05094	.66806	3.9928	-7.2491	1001.53
11	CCV	500.06	504.14	4982.4	5025.9	1001.51
12	CCB	2.2761	-1.8096	1.8477	.34496	1003.06

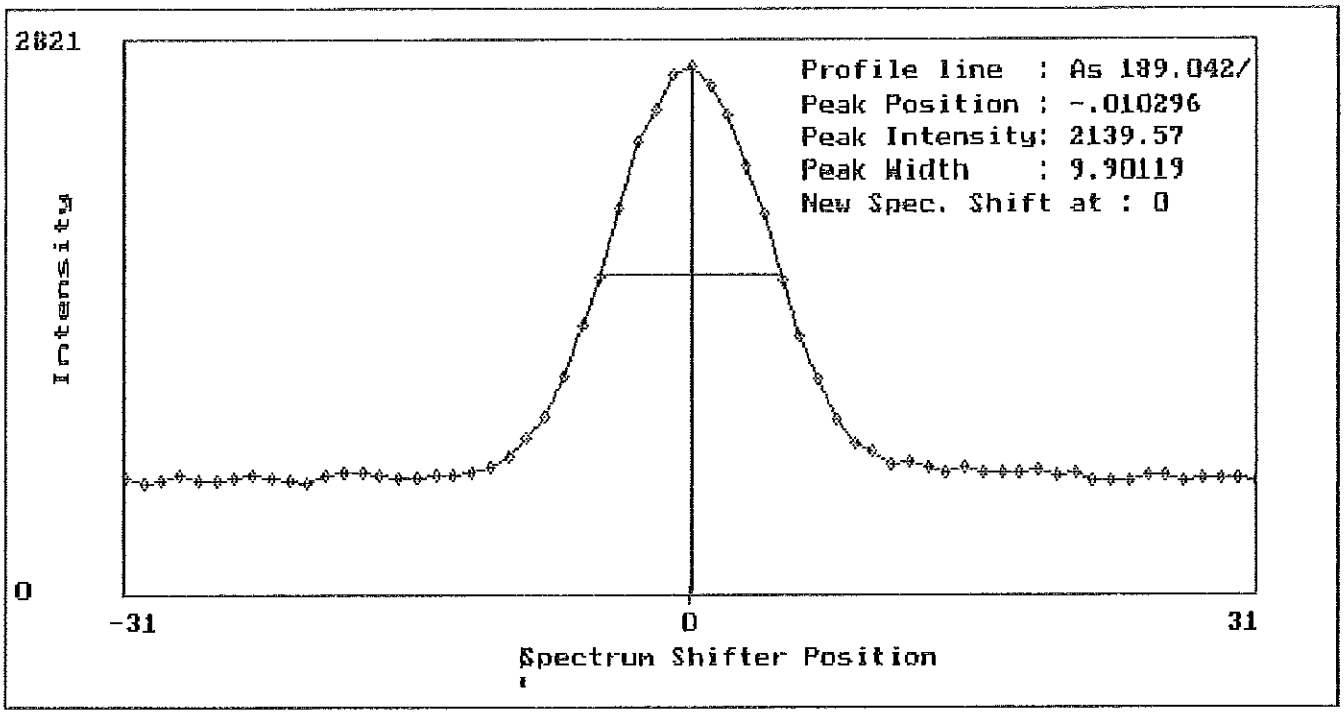
#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
13	PBW 179530	.31041	1.5084	-.03704	-1.5812	988.693
14	LCSW-1	516.34	522.11	2089.0	2110.2	989.432
15	61069-4	2.5701	-2.4172	2.0718	.72531	984.913
16	61069-1S	515.85	516.64	2101.4	2122.3	986.864
17	61069-1SD	519.26	521.14	2114.9	2133.3	978.925
18	PBW 179534	2.9756	-.10900	1.3420	-4.4388	1004.87
19	LCSW-1	521.07	526.36	2083.0	2108.7	982.56
20	61069-1	5.0553	.69411	2.9558	-2.3703	1001.74
21	61069-1S	535.18	539.28	2130.3	2148.0	968.833
22	61069-1SD	524.92	526.08	2100.6	2124.7	990.589
23	CCV	507.84	513.85	5057.2	5131.7	994.54
24	CCB	-2.4155	-1.1742	1.6596	-1.5759	990.561
25	CCV	507.23	515.57	5095.7	5161.4	996.041
26	CCB	1.4821	-.58695	2.5853	-3.3708	996.436
27	60953-1 1/10	1.0215	.34047	1.6448	-.85921	977.553
28	60953-1S 1/10	52.264	55.031	214.86	214.23	986.426
29	60953-1SD 1/10	52.134	51.043	211.99	210.36	998.484
30	60953-2 1/10	3.7117	-1.2130	5.5860	-4.2937	991.707
31	60904-1 1/20	2.9152	-.52705	4.1144	-1.7687	977.6
32	60904-2 1/20	-1.9084	.49052	.90163	-1.4842	971.382
33	60904-3 1/20	-1.9547	2.0506	-.27610	-3.7461	997.648
34	CCV	512.16	517.13	5131.8	5199.5	998.308
35	CCB	3.1675	-1.3773	8.1172	-5.1242	973.301
36	37053-1 1/20	-.90984	.21309	-.23127	-1.1017	991.867
37	37053-1S 1/20	5.3102	9.7807	41.995	40.725	978.757
38	37053-1SD 1/20	11.786	8.9801	45.298	42.294	973.273
39	37053-2	4.9754	5.0821	-.55114	-3.6607	1008.1
40	37057-1 1/20	3.3447	-.61628	5.4028	1.1064	972.351
41	37057-2 1/20	-2.1056	.89642	.74731	-3.1377	995.553
42	37507-3 1/20	1.2633	-1.9983	5.7541	-2.3932	968.935
43	60903-1	-.34907	.21850	59.135	56.055	1005.69
44	60903-1S	524.52	529.11	2082.0	2098.1	994.552
45	60903-1SD	522.61	527.28	2081.5	2106.4	1001.95
46	CCV	528.37	517.92	5217.4	5218.5	977.741
47	CCB	1.0700	.02922	2.1917	.78866	975.314
48	PBW 179535	4.3352	-1.0904	6.2101	-6.6259	1004.6
49	LCSW-1	539.56	541.48	2173.4	2191.9	976.029
50	60958-1	3.3258	-.05147	-2.0205	-4.9176	991.836
51	60958-1L	-.23869	4.1119	-5.8917	.68149	995.795
52	60958-1A	521.41	525.94	2114.8	2140.2	973.539
53	60958-1S	535.48	536.12	2165.7	2153.7	988.544
54	60958-1SD	539.66	538.50	2179.4	2173.6	971.573
55	60974-1	9.8581	6.4021	2.3671	5.0696	981.016
56	60972-1	2.3307	1.1613	3.7294	-1.3645	974.09
57	61029-1	3.8613	-2.7110	-.94041	-1.7455	1013.01
58	CCV	515.75	507.19	5121.4	5066.7	996.323
59	CCB	5.4281	.09186	4.8727	.27675	991.347
60	61012-1	1.5753	.38815	.41364	-4.1965	1007.5
61	61012-1L	-1.7304	-.02555	.42723	-1.9678	994.787
62	61012-1A	414.44	409.43	1670.8	1647.7	1000.12
63	61012-2	4.7917	.93712	4.7612	-1.7469	1002.64
64	61012-4	2.5368	-.28126	3.9033	-.50911	991.871
65	61007-3F	.05245	1.7367	-4.7848	-1.6066	971.921
66	61007-2F	1.1763	-1.2773	2.9486	-3.9954	975.787

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
67	61007-1F	1.8920	.97480	1.4612	-3.8306	975.392
68	61078-1	.45139	1.5996	.16088	-4.6868	998.797
69	61077-2	1.8740	1.0314	-2.2611	-5.3361	985.828
70	CCV	522.86	512.73	5188.2	5065.2	995.475
71	CCB	3.8075	-.11945	8.4384	.83138	1007.47
72	61076-3	-1.8262	.64509	-6.7609	-1.6292	1003.37
73	60945-6	8.1031	6.0894	1.8543	-.38951	980.837
74	60945-1	-.01041	1.0641	-4.0132	-2.7021	967.145
75	61007-3	.28629	-1.1948	1.7921	1.4660	1000.34
76	61007-2	162.01	147.14	16.439	17.365	1031.66
77	61007-1	14.796	7.9847	1.3645	3.5805	998.578
78	61007-1L	2.8441	2.8953	-.44234	-5.1485	987.157
79	61007-1A	524.91	504.00	2042.2	1971.0	1001.5
80	CCV	524.00	515.60	5188.1	5094.4	976.224
81	CCB	.44428	.01179	6.9008	.89009	995.377
82	PBW 179536	-3.3726	-.52936	-5.5677	-4.2981	986.457
83	LCSW-1	518.63	523.60	2108.3	2075.5	996.463
84	60930-1	523.55	519.91	2252.6	2207.9	893.345
85	60930-1L	109.47	104.30	442.91	431.71	951.401
86	60930-1A	828.48	791.86	3539.6	3372.2	903.238
87	60930-1S	530.06	522.79	2275.7	2237.4	916.883
88	60930-1SD	-2.7279	.71655	45.534	55.470	928.293
89	60930-1 1/10	-1.7552	6.8572	-.45090	16.437	2572.24
90	60930-1S 1/10	1.5502	4.2535	4.1020	8.4697	2581.12
91	60930-1SD 1/10	-1.7558	2.1348	-1.2417	-1.2635	2541.51
92	CCV	504.23	496.20	4995.5	4874.9	983.495
93	CCB	1.1510	-.19642	6.0913	-.57124	992.254
94	60930-2	38.982	-36.108	169.72	176.39	1084.55
95	60930-2 1/10	-3.0713	4.5712	-4.8934	-2.7136	2585.68
96	CCV	508.18	499.56	5054.5	4946.2	995.639
97	CCB	.41182	2.2134	1.5825	.70983	1008.51
98	PBW 179342) 179511	2.6740	-.06515	-.96361	-5.3937	1013.15
99	PBW (179455)	.18020	2.2959	-2.2432	-.94888	976.236
100	LCSW-1	528.60	514.56	2124.2	2079.1	971.659
101	LCSW-2	518.85	506.48	2094.4	2040.4	1008.25
102	60909-1	3.8634	1.9632	7.8734	-5.1828	971.198
103	60999-1	1.5228	-1.8357	1.0934	-2.1314	980.106
104	60999-2	-.14215	1.2011	2.1658	-5.2587	965.007
105	60999-3	2.0206	-1.0974	3.0692	1.0695	978.765
106	60999-4	1.2373	-.46362	2.1732	-1.9698	961.571
107	69051-1	-3.0137	6.7578	-9.1144	1.7593	998.789
108	CCV	506.54	496.56	5044.9	4924.3	1006.15
109	CCB	-1.8801	-.53125	4.1310	.24600	1015.32
110	60951-1L	1.5643	-1.0549	1.5679	.25899	996.714
111	60951-1A	533.95	523.06	2127.0	2085.1	956.724
112	60951-1S	525.35	518.25	2119.4	2079.4	968.489
113	60951-1SD	526.67	515.48	2118.1	2065.1	986.383
114	60920-1	4324.4	4286.5	-2.2467	-.17746	987.626
115	37043-2	57.491	58.956	-6.4605	-1.4869	981.474
116	37045-1	10.260	5.3246	5.7702	-6.0333	975.04
117	60872-1	4.4037	5.7324	4.0584	-5.0731	968.724
118	61051-1	5.2714	1.5902	1.0589	-2.1994	1001.77
119	CCV	505.68	497.81	5034.7	4952.7	986.649
120	CCB	-.48044	-1.0493	4.9736	-3.9557	997.953

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
121	PBW 179614	2.9580	-1.0338	3.3678	-3.1338	998.07
122	LCSS-1	530.02	524.67	2126.5	2092.3	986.918
123	61109-1	46.642	41.849	-3.8770	-.74551	1021.9
124	61109-2	124.32	112.96	-2.8848	-3.2557	1053.36
125	61109-2L	27.061	23.659	-2.7797	2.6525	1005.32
126	61109-2A	609.28	592.37	1973.8	1936.3	1018.52
127	61109-2S	605.48	591.92	2043.3	2003.6	1012.53
128	61109-2SD	633.01	618.58	2065.0	2027.8	999.207
129	61109-3	164.83	154.96	.74170	1.9485	1001.33
130	61109-4	124.75	116.61	.80062	-.22513	998.785
131	CCV	519.15	507.62	5129.9	5063.1	980.278
132	CCB	3.5503	-1.3163	1.9889	2.5824	990.276
133	PBS 179451	2.2252	.15391	-1.7793	-1.5197	981.032
134	LCSS-1	528.14	525.83	2106.4	2081.2	985.418
135	60980-1	298.04	261.34	7.2528	5.2566	1008.27
136	60980-1S	861.52	821.84	2028.7	1990.8	1011.81
137	60980-1SD	704.74	671.43	2065.7	2033.6	1003.42
138	60848-3	301.55	286.93	2.3015	-5.3653	993.524
139	CCV	511.62	507.88	5097.3	5033.6	980.278
140	CCB	3.7678	-2.5803	-.00543	-5.5744	988.818
141	RL ICP	11.298	9.7632	20.735	14.556	970.275
142	ICSA	27.221	-20.363	5.7400	-1.1943	898.259
143	ICSAB	78.613	29.855	55.082	56.447	898.458
144	CCV	507.28	505.83	5063.1	5017.2	977.866
145	CCB	.51281	-.50451	6.5137	2.0092	978.945

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
HIGH STD 00033	Ag	929.54772	935.67657	923.41894	0.93243	ug/L	09/10/10	13:42	
HIGH STD 00033	Al	9392.71289	9428.77539	9356.64941	0.54298	ug/L	09/10/10	13:42	
HIGH STD 00033	2Al	9.39296	9.42867	9.35726	0.53763	mg/L	09/10/10	13:42	
HIGH STD 00033	As	941.07830	941.84204	940.31457	0.11477	ug/L	09/10/10	13:42	
HIGH STD 00033	B	9421.09960	9465.18750	9377.01171	0.66180	ug/L	09/10/10	13:42	
HIGH STD 00033	Ba	9428.91796	9470.86328	9386.97167	0.62913	ug/L	09/10/10	13:42	
HIGH STD 00033	Be	942.58758	946.98748	938.18768	0.66014	ug/L	09/10/10	13:42	
HIGH STD 00033	Ca	9437.27148	9480.97363	9393.56933	0.65489	ug/L	09/10/10	13:42	
HIGH STD 00033	Cd	934.41265	937.81994	931.00537	0.51568	ug/L	09/10/10	13:42	
HIGH STD 00033	Co	944.02490	948.49237	939.55737	0.66926	ug/L	09/10/10	13:42	
HIGH STD 00033	Cr	9421.60253	9462.48046	9380.72460	0.61359	ug/L	09/10/10	13:42	
HIGH STD 00033	Cu	9410.72265	9449.18457	9372.26171	0.57798	ug/L	09/10/10	13:42	
HIGH STD 00033	Fe	9393.84765	9425.67187	9362.02246	0.47911	ug/L	09/10/10	13:42	
HIGH STD 00033	2Fe	9.39385	9.42567	9.36202	0.47914	mg/L	09/10/10	13:42	
HIGH STD 00033	K	19120.18554	19161.08789	19079.28320	0.30253	ug/L	09/10/10	13:42	
HIGH STD 00033	Mg	9420.47265	9469.51171	9371.43359	0.73618	ug/L	09/10/10	13:42	
HIGH STD 00033	2Mg	9.42049	9.46952	9.37145	0.73616	mg/L	09/10/10	13:42	
HIGH STD 00033	Mn	9448.28710	9489.81152	9406.76367	0.62152	ug/L	09/10/10	13:42	
HIGH STD 00033	Mo	943.41296	950.74865	936.07733	1.09964	ug/L	09/10/10	13:42	
HIGH STD 00033	Na	14313.73339	14407.91601	14219.55078	0.93053	ug/L	09/10/10	13:42	
HIGH STD 00033	Ni	4705.34521	4728.25195	4682.43847	0.68847	ug/L	09/10/10	13:42	
HIGH STD 00033	Pb	941.55310	945.68048	937.42578	0.61992	ug/L	09/10/10	13:42	
HIGH STD 00033	Se	9423.39355	9469.66894	9377.11816	0.69447	ug/L	09/10/10	13:42	
HIGH STD 00033	Sb	937.69421	940.90698	934.48150	0.48453	ug/L	09/10/10	13:42	
HIGH STD 00033	Sn	9387.15136	9430.69140	9343.61132	0.65594	ug/L	09/10/10	13:42	
HIGH STD 00033	Sr	4721.85839	4744.62402	4699.09326	0.68183	ug/L	09/10/10	13:42	
HIGH STD 00033	Ti	939.25146	944.07928	934.42364	0.72691	ug/L	09/10/10	13:42	
HIGH STD 00033	Tl	9400.24218	9444.69335	9355.79101	0.66874	ug/L	09/10/10	13:42	
HIGH STD 00033	V	9414.50976	9463.00976	9366.00878	0.72855	ug/L	09/10/10	13:42	
HIGH STD 00033	Zn	4707.49316	4725.21777	4689.76806	0.53248	ug/L	09/10/10	13:42	
HIGH STD 00033	2203/1	939.99267	945.73840	934.24688	0.86444	ug/L	09/10/10	13:42	
HIGH STD 00033	2203/2	942.32397	945.64324	939.00463	0.49815	ug/L	09/10/10	13:42	
HIGH STD 00033	1960/1	9411.60937	9442.91406	9380.30566	0.47038	ug/L	09/10/10	13:42	
HIGH STD 00033	1960/2	9429.27636	9483.02636	9375.52636	0.80614	ug/L	09/10/10	13:42	
HIGH STD 00033	Y	1020.80651	1014.99041	1026.62255	0.80575		09/10/10	13:42	
HIGH STD 00033	Ag	1020.39056	1058.89514	981.88598	5.33655	ug/L	09/10/10	13:47	
HIGH STD 00033	Al	10240.28027	10673.44433	9807.11621	5.98212	ug/L	09/10/10	13:47	
HIGH STD 00033	2Al	10.24018	10.67316	9.80720	5.97964	mg/L	09/10/10	13:47	
HIGH STD 00033	As	1017.09869	1057.67346	976.52392	5.64167	ug/L	09/10/10	13:47	
HIGH STD 00033	B	10256.53906	10669.18457	9843.89257	5.68973	ug/L	09/10/10	13:47	
HIGH STD 00033	Ba	10220.89843	10609.47167	9832.32421	5.37649	ug/L	09/10/10	13:47	
HIGH STD 00033	Be	1024.30297	1065.10461	983.50134	5.63331	ug/L	09/10/10	13:47	
HIGH STD 00033	Ca	10257.14062	10645.27148	9869.00976	5.35139	ug/L	09/10/10	13:47	
HIGH STD 00033	Cd	1020.35266	1060.81115	979.89422	5.60756	ug/L	09/10/10	13:47	
HIGH STD 00033	Co	1024.42089	1064.97692	983.86499	5.59875	ug/L	09/10/10	13:47	
HIGH STD 00033	Cr	10241.65722	10634.56445	9848.75000	5.42543	ug/L	09/10/10	13:47	
HIGH STD 00033	Cu	10196.63085	10583.27832	9809.98339	5.36257	ug/L	09/10/10	13:47	
HIGH STD 00033	Fe	10230.45507	10632.85937	9828.05078	5.56266	ug/L	09/10/10	13:47	
HIGH STD 00033	2Fe	10.23045	10.63286	9.82805	5.56264	mg/L	09/10/10	13:47	
HIGH STD 00033	K	20545.11914	21311.61132	19778.62695	5.27611	ug/L	09/10/10	13:47	
HIGH STD 00033	Mg	10248.93847	10661.82714	9836.04980	5.69729	ug/L	09/10/10	13:47	
HIGH STD 00033	2Mg	10.24894	10.66183	9.83606	5.69725	mg/L	09/10/10	13:47	
HIGH STD 00033	Mn	10266.46484	10668.53613	9864.39453	5.53855	ug/L	09/10/10	13:47	
HIGH STD 00033	Mo	1026.69018	1065.52148	987.85894	5.34880	ug/L	09/10/10	13:47	
HIGH STD 00033	Na	15454.87109	15965.97070	14943.77148	4.67686	ug/L	09/10/10	13:47	
HIGH STD 00033	Ni	5104.65820	5300.48876	4908.82763	5.42536	ug/L	09/10/10	13:47	
HIGH STD 00033	Pb	1013.53643	1039.37939	987.69348	3.60593	ug/L	09/10/10	13:47	
HIGH STD 00033	Se	10126.17773	10387.20703	9865.14843	3.64551	ug/L	09/10/10	13:47	
HIGH STD 00033	Sb	1021.76916	1059.78930	983.74896	5.26230	ug/L	09/10/10	13:47	
HIGH STD 00033	Sn	10226.00683	10617.09570	9834.91796	5.40859	ug/L	09/10/10	13:47	
HIGH STD 00033	Sr	5102.49316	5290.21582	4914.77050	5.20294	ug/L	09/10/10	13:47	
HIGH STD 00033	Ti	1021.26354	1059.61914	982.90795	5.31136	ug/L	09/10/10	13:47	
HIGH STD 00033	Tl	10216.93945	10592.53125	9841.34667	5.19889	ug/L	09/10/10	13:47	
HIGH STD 00033	V	10238.72460	10627.88378	9849.56640	5.37521	ug/L	09/10/10	13:47	
HIGH STD 00033	Zn	5106.78515	5300.60742	4912.96289	5.36748	ug/L	09/10/10	13:47	
HIGH STD 00033	2203/1	1007.50097	1032.09436	982.90765	3.45213	ug/L	09/10/10	13:47	
HIGH STD 00033	2203/2	1016.54064	1043.00708	990.07415	3.68201	ug/L	09/10/10	13:47	
HIGH STD 00033	1960/1	10052.20898	10279.57812	9824.84082	3.19877	ug/L	09/10/10	13:47	
HIGH STD 00033	1960/2	10163.10546	10440.94042	9885.27148	3.86611	ug/L	09/10/10	13:47	
HIGH STD 00033	Y	953.34704	924.47387	982.22027	4.28310		09/10/10	13:47	


2821
Intensity
0
-31
0
31
Spectrum Shifter Position
Profile line : As 189.042/
Peak Position : -.010296
Peak Intensity: 2139.57
Peak Width : 9.90119
New Spec. Shift at : 0

Method: 2PTTR2 Standard Name: CALBLK Operator: BCB
Run Time: 09/10/10 13:55:56
Comment:
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	.0090693	.7629406	.7629406	-.010401	.6974660	.0181455	-.076643
SDev	.0028086	.0186578	.0186578	.077676	.0497175	.0027647	.000370
%RSD	30.96772	2.445514	2.445514	746.7929	7.128301	15.23652	.4827439
#1	.0070834	.7761337	.7761337	.0445240	.7326216	.0161905	-.076905
#2	.0110553	.7497476	.7497476	-.065327	.6623105	.0201005	-.076382
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	.0847042	-.014649	.0126730	.0166586	.2561503	.0040167	.0040167
SDev	.0024434	.010767	.0278715	.0079244	.0012366	.0071115	.0071115
%RSD	2.884669	73.50195	219.9289	47.56907	.4827425	177.0494	177.0494
#1	.0829765	-.022262	.0323811	.0222620	.2570247	-.001012	-.001012
#2	.0864320	-.007035	-.007035	.0110553	.2552760	.0090452	.0090452
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	.2011700	-.000503	-.000503	.0277449	.0226888	-.008092	-.061510
SDev	.0068728	.000711	.000711	.0051255	.0006036	.010022	.002555
%RSD	3.416409	141.4214	141.4214	18.47380	2.660160	123.8565	4.154487
#1	.1963102	.0000000	.0000000	.0313692	.0222620	-.015179	-.059703
#2	.2060298	-.001005	-.001005	.0241206	.0231155	-.001005	-.063316
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	.0053693	-.039351	.0252151	-.010584	-.034047	.0146210	.0065636
SDev	.0734218	.008747	.0015479	.002088	.109266	.0006425	.0035971
%RSD	1367.443	22.22820	6.138762	19.72993	320.9284	4.394374	54.80363
#1	-.046548	-.045536	.0263096	-.009107	-.111310	.0141667	.0091072
#2	.0572863	-.033166	.0241206	-.012060	.0432160	.0150753	.0040201
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	-.049077	.0387967	-.172888	.0279995
SDev	.139528	.0119352	.025550	.0982705
%RSD	284.3009	30.76334	14.77807	350.9722
#1	.0495835	.0303572	-.154822	-.041488
#2	-.147738	.0472361	-.190954	.0974873
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	992	--	--	--	--	--	--
SDev	4.786954	--	--	--	--	--	--
%RSD	.4827424	--	--	--	--	--	--
#1	988	--	--	--	--	--	--
#2	995	--	--	--	--	--	--

Method: 2PTTR2 Standard Name: HIGH STD Operator: BCB
Run Time: 09/10/10 14:00:46
Comment: 00033
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	20.87160	56.18283	56.17976	40.33423	215.5312	909.9811	129.1113
SDev	.31600	.83627	.83193	.45878	2.9730	12.8318	1.9331
%RSD	1.514001	1.488487	1.480834	1.137436	1.379391	1.410122	1.497274
#1	21.09504	56.77417	56.76802	40.65863	217.6335	919.0546	130.4783
#2	20.64815	55.59150	55.59150	40.00983	213.4290	900.9076	127.7444
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	17.92862	73.03565	34.81191	243.0778	294.1055	8.806692	8.806179
SDev	.25361	.95112	.45139	3.5481	4.0968	.121543	.120818
%RSD	1.414581	1.302267	1.296656	1.459662	1.392965	1.380126	1.371974
#1	18.10795	73.70818	35.13108	245.5867	297.0023	8.892636	8.891611
#2	17.74929	72.36310	34.49272	240.5689	291.2086	8.720748	8.720748
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	66.09453	3.171251	3.171251	810.6513	14.20962	1.160670	259.4986
SDev	.74383	.045230	.045230	11.6003	.18624	.002965	3.4830
%RSD	1.125410	1.426266	1.426266	1.430988	1.310675	.2554732	1.342199
#1	66.62050	3.203234	3.203234	818.8539	14.34131	1.158573	261.9614
#2	65.56856	3.139268	3.139268	802.4486	14.07792	1.162766	257.0357
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	18.59354	205.1387	843.4296	48.18221	158.7115	195.7791	74.63734
SDev	.10860	3.0370	12.0606	.65695	2.1493	2.7138	1.10529
%RSD	.5840734	1.480457	1.429948	1.363467	1.354244	1.386159	1.480875
#1	18.67034	207.2862	851.9578	48.64674	160.2313	197.6980	75.41889
#2	18.51675	202.9913	834.9015	47.71768	157.1917	193.8601	73.85578
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	56.31879	55.91211	199.9598	174.7421
SDev	.35571	.80192	1.7371	2.8751

%RSD	.6315984	1.434247	.8687208	1.645354
#1	56.57032	56.47915	201.1881	176.7751
#2	56.06727	55.34507	198.7315	172.7090
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	985	--	--	--	--	--	--
SDev	12.71364	--	--	--	--	--	--
%RSD	1.290474	--	--	--	--	--	--
#1	976	--	--	--	--	--	--
#2	994	--	--	--	--	--	--

Method: 2PTTR2 Standard Name: HIGH STD Operator: BCB
Run Time: 09/10/10 14:05:15
Comment: 00033
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	20.40857	55.06180	55.06080	39.45246	212.0060	892.6513	126.5904
SDev	.05763	.19029	.19169	.28659	.3306	1.3482	.2823
%RSD	.2823677	.3455898	.3481484	.7264130	.1559510	.1510360	.2229976
#1	20.44932	55.19635	55.19635	39.65511	212.2398	893.6046	126.7900
#2	20.36782	54.92724	54.92525	39.24981	211.7722	891.6979	126.3908
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	17.59159	71.43041	34.09795	238.4262	288.1996	8.619090	8.619090
SDev	.04558	.39086	.01029	.5537	.5894	.012153	.012153
%RSD	.2591047	.5471952	.0301795	.2322404	.2045158	.1410025	.1410025
#1	17.62382	71.70679	34.10523	238.8177	288.6164	8.627684	8.627684
#2	17.55936	71.15403	34.09068	238.0346	287.7828	8.610496	8.610496
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	65.06704	3.108452	3.108452	795.6587	14.02380	1.133005	254.1179
SDev	.03190	.009058	.009058	.7923	.03744	.016139	.7034
%RSD	.0490338	.2913838	.2913838	.0995726	.2669498	1.424408	.2768030
#1	65.08960	3.114857	3.114857	796.2189	13.99733	1.144417	254.6153
#2	65.04448	3.102048	3.102048	795.0985	14.05028	1.121594	253.6205
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	18.23116	201.0290	827.5437	47.21817	155.3692	192.0063	73.18510
SDev	.14361	.4686	2.0135	.10804	.0365	.5260	.07580
%RSD	.7876924	.2331075	.2433065	.2288136	.0234932	.2739681	.1035688

#1	18.33270	201.3603	828.9675	47.29456	155.3433	192.3782	73.23869
#2	18.12961	200.6976	826.1200	47.14177	155.3950	191.6343	73.13150
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	55.33775	54.66417	196.4214	170.8904
SDev	.16676	.50057	.3409	.6828
%RSD	.3013517	.9157131	.1735649	.3995467
#1	55.45567	55.01813	196.6625	171.3732
#2	55.21983	54.31022	196.1804	170.4076
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1002	--	--	--	--	--	--
SDev	4.283943	--	--	--	--	--	--
%RSD	.4276285	--	--	--	--	--	--
#1	999	--	--	--	--	--	--
#2	1005	--	--	--	--	--	--

Method: 2PTTR2
Mode: Concentration
Standards Table: 2PTONLY
Data File: DE091910

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
Ag	328.068	09/10/10 02:09	Linear	1.000000
Al	308.215	09/10/10 02:09	Linear	1.000000
2Al	308.215	09/10/10 02:09	Linear	1.000000
As	189.042/2	09/10/10 02:09	Linear	1.000000
B	249.678/2	09/10/10 02:09	Linear	1.000000
Ba	493.409	09/10/10 02:09	Linear	1.000000
Be	313.042	09/10/10 02:09	Linear	1.000000
Ca	317.933	09/10/10 02:09	Linear	1.000000
Cd	226.502/2	09/10/10 02:09	Linear	1.000000
Co	228.616	09/10/10 02:09	Linear	1.000000
Cr	267.716	09/10/10 02:09	Linear	1.000000
Cu	324.753	09/10/10 02:09	Linear	1.000000
Fe	271.441	09/10/10 02:09	Linear	1.000000
2Fe	271.441	09/10/10 02:09	Linear	1.000000
K	766.491	09/10/10 02:09	Linear	1.000000
Mg	279.078	09/10/10 02:09	Linear	1.000000
2Mg	279.078	09/10/10 02:09	Linear	1.000000
Mn	257.610	09/10/10 02:09	Linear	1.000000
Mo	202.030/2	09/10/10 02:09	Linear	1.000000
Na	330.231	09/10/10 02:09	Linear	1.000000
Ni	231.604/2	09/10/10 02:09	Linear	1.000000

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
Sb	206.838/2	09/10/10 02:09	Linear	1.000000
Sn	189.989	09/10/10 02:09	Linear	1.000000
Sr	421.542	09/10/10 02:09	Linear	1.000000
Ti	334.941	09/10/10 02:09	Linear	1.000000
Tl	190.864/2	09/10/10 02:09	Linear	1.000000
V	292.402	09/10/10 02:09	Linear	1.000000
Zn	206.200	09/10/10 02:09	Linear	1.000000
2203/1	220.351	09/10/10 02:09	Linear	1.000000
2203/2	220.352/2	09/10/10 02:09	Linear	1.000000
1960/1	196.021	09/10/10 02:09	Linear	1.000000
1960/2	196.022/2	09/10/10 02:09	Linear	1.000000

Element:	Ag	Al	2Al	As	B
Wavelength:	328.068	308.215	308.215	189.042/2	249.678/2
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	04/27/99	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	16:03	STDIZED
Offset (A0):	.009069	.762941	.762941	-.010401	.697466
Gain (A1):	.0204	.005333	5.33325	.040571	.021133
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/10/10	09/10/10	09/10/10	09/10/10	09/10/10
Time of Fit:	14:09	14:09	14:09	14:09	14:09

Element:	Ba	Be	Ca	Cd	Co
Wavelength:	493.409	313.042	317.933	226.502/2	228.616
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	.018146	-.076643	.084704	-.014649	.012673
Gain (A1):	.089263	.126654	.001751	.071394	.034094
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/10/10	09/10/10	09/10/10	09/10/10	09/10/10
Time of Fit:	14:09	14:09	14:09	14:09	14:09

Element:	Cr	Cu	Fe	2Fe	K
Wavelength:	267.716	324.753	271.441	271.441	766.491
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	.016659	.25615	.004017	.004017	.20117
Gain (A1):	.023846	.028797	.00087	.869858	.003243
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/10/10	09/10/10	09/10/10	09/10/10	09/10/10
Time of Fit:	14:09	14:09	14:09	14:09	14:09

Element:	Mg	2Mg	Mn	Mo	Na
Wavelength:	279.078	279.078	257.610	202.030/2	330.231
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.000503	-.000503	.027745	.022689	-.008092
Gain (A1):	.000313	.313403	.079572	.014001	.000078
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/10/10	09/10/10	09/10/10	09/10/10	09/10/10
Time of Fit:	14:09	14:09	14:09	14:09	14:09

Element:	Ni	Sm	Sm	Sb	Sn
Wavelength:	231.604/2	220.353	196.026	206.838/2	189.989
Y - intercept:	0	0	0	0	0
Slope:	1	0	0	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.06151	0	0	.005369	-.039351

Gain (A1):	.050842	1	1	.017256	.02011
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/10/10	NO FIT	NO FIT	09/10/10	09/10/10
Time of Fit:	14:09			14:09	14:09

Element:	Sr	Ti	Tl	V	Zn
Wavelength:	421.542	334.941	190.864/2	292.402	206.200
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	04/27/99	NOT	NOT
Time Standardized:	STDIZED	STDIZED	16:03	STDIZED	STDIZED
Offset (A0):	.025215	-.010584	-.034047	.014621	.006564
Gain (A1):	.165504	.047233	.015592	.01927	.014678
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/10/10	09/10/10	09/10/10	09/10/10	09/10/10
Time of Fit:	14:09	14:09	14:09	14:09	14:09

Element:	Pb	Pb	Se	Se
Wavelength:	220.351	220.352/2	196.021	196.022/2
Y - intercept:	0	0	0	0
Slope:	1	1	1	1
Date Standardized:	04/27/99	04/27/99	04/27/99	04/27/99
Time Standardized:	16:03	16:03	16:03	16:03
Offset (A0):	-.049077	.038797	-.172888	.028
Gain (A1):	.055026	.054807	.019651	.017085
Curvature (A2):	0	0	0	0
Exponent (n):	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE
Date of Fit:	09/10/10	09/10/10	09/10/10	09/10/10
Time of Fit:	14:09	14:09	14:09	14:09

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
HIGH STD 00033	Ag	975.27978	966.62530	983.93426	1.25495	ug/L	09/10/10	14:09	
HIGH STD 00033	Al	9768.26171	9700.67968	9835.84277	0.97842	ug/L	09/10/10	14:09	
HIGH STD 00033	2Al	9.76816	9.70067	9.83565	0.97711	mg/L	09/10/10	14:09	
HIGH STD 00033	As	981.29931	970.09033	992.50836	1.61540	ug/L	09/10/10	14:09	
HIGH STD 00033	B	9791.15820	9722.47265	9859.84375	0.99207	ug/L	09/10/10	14:09	
HIGH STD 00033	Ba	9803.58789	9732.11230	9875.06445	1.03107	ug/L	09/10/10	14:09	
HIGH STD 00033	Be	979.32592	971.50640	987.14550	1.12919	ug/L	09/10/10	14:09	
HIGH STD 00033	Ca	9793.53125	9730.16406	9856.89746	0.91503	ug/L	09/10/10	14:09	
HIGH STD 00033	Cd	978.01562	971.15509	984.87609	0.99203	ug/L	09/10/10	14:09	
HIGH STD 00033	Co	977.96850	970.22601	985.71105	1.11962	ug/L	09/10/10	14:09	
HIGH STD 00033	Cr	9784.42871	9718.50195	9850.35546	0.95288	ug/L	09/10/10	14:09	
HIGH STD 00033	Cu	9789.35937	9711.91601	9866.80273	1.11878	ug/L	09/10/10	14:09	
HIGH STD 00033	Fe	9803.25781	9723.97265	9882.54199	1.14375	ug/L	09/10/10	14:09	
HIGH STD 00033	2Fe	9.80325	9.72397	9.88253	1.14375	mg/L	09/10/10	14:09	
HIGH STD 00033	K	19631.58984	19542.50976	19720.66992	0.64171	ug/L	09/10/10	14:09	
HIGH STD 00033	Mg	9796.60937	9735.75195	9857.46582	0.87851	ug/L	09/10/10	14:09	
HIGH STD 00033	2Mg	9.79660	9.73575	9.85746	0.87850	mg/L	09/10/10	14:09	
HIGH STD 00033	Mn	9803.84667	9738.01757	9869.67578	0.94959	ug/L	09/10/10	14:09	
HIGH STD 00033	Mo	975.96972	969.13116	982.80828	0.99093	ug/L	09/10/10	14:09	
HIGH STD 00033	Na	14583.14062	14450.97656	14715.30468	1.28167	ug/L	09/10/10	14:09	
HIGH STD 00033	Ni	4902.19726	4862.71728	4941.67675	1.13893	ug/L	09/10/10	14:09	
HIGH STD 00033	Pb	980.94897	977.08630	984.81164	0.55687	ug/L	09/10/10	14:09	
HIGH STD 00033	Se	9820.75195	9766.26269	9875.24023	0.78465	ug/L	09/10/10	14:09	
HIGH STD 00033	Sb	980.51226	975.22528	985.79925	0.76255	ug/L	09/10/10	14:09	
HIGH STD 00033	Sn	9774.89453	9698.33496	9851.45312	1.10764	ug/L	09/10/10	14:09	
HIGH STD 00033	Sr	4892.33740	4856.93115	4927.74365	1.02347	ug/L	09/10/10	14:09	
HIGH STD 00033	Ti	978.60162	971.54656	985.65667	1.01955	ug/L	09/10/10	14:09	
HIGH STD 00033	Tl	9795.77636	9732.42480	9859.12792	0.91460	ug/L	09/10/10	14:09	
HIGH STD 00033	V	9782.77539	9712.39550	9853.15429	1.01741	ug/L	09/10/10	14:09	
HIGH STD 00033	Zn	4891.78466	4861.24072	4922.32861	0.88302	ug/L	09/10/10	14:09	
HIGH STD 00033	2203/1	978.64849	972.22399	985.07299	0.92838	ug/L	09/10/10	14:09	
HIGH STD 00033	2203/2	982.08886	979.50524	984.67254	0.37204	ug/L	09/10/10	14:09	
HIGH STD 00033	1960/1	9796.11816	9740.37304	9851.86328	0.80476	ug/L	09/10/10	14:09	
HIGH STD 00033	1960/2	9833.04980	9779.18847	9886.91113	0.77464	ug/L	09/10/10	14:09	
HIGH STD 00033	Y	1024.91845	1029.31176	1020.52508	0.60620		09/10/10	14:09	
ICVP 00190	Ag	1007.65429	1007.55187	1007.75677	0.01437	ug/L	09/10/10	14:36	
ICVP 00190	Al	1017.34680	1020.09625	1014.59741	0.38219	ug/L	09/10/10	14:36	
ICVP 00190	2Al	1.01736	1.02011	1.01461	0.38220	mg/L	09/10/10	14:36	
ICVP 00190	As	1037.12988	1039.19812	1035.06164	0.28202	ug/L	09/10/10	14:36	
ICVP 00190	B	1005.95751	1005.70458	1006.21044	0.03555	ug/L	09/10/10	14:36	
ICVP 00190	Ba	1028.79394	1029.55859	1028.02917	0.10511	ug/L	09/10/10	14:36	
ICVP 00190	Be	1022.57409	1023.97143	1021.17675	0.19325	ug/L	09/10/10	14:36	
ICVP 00190	Ca	1016.31927	1017.05535	1015.58319	0.10242	ug/L	09/10/10	14:36	
ICVP 00190	Cd	1033.22973	1035.13464	1031.32470	0.26073	ug/L	09/10/10	14:36	
ICVP 00190	Co	1025.08642	1026.91308	1023.25976	0.25200	ug/L	09/10/10	14:36	
ICVP 00190	Cr	1032.79479	1033.38586	1032.20373	0.08093	ug/L	09/10/10	14:36	
ICVP 00190	Cu	1029.23352	1029.19042	1029.27661	0.00592	ug/L	09/10/10	14:36	
ICVP 00190	Fe	1036.82031	1034.82934	1038.81140	0.27157	ug/L	09/10/10	14:36	
ICVP 00190	2Fe	1.03711	1.03512	1.03910	0.27136	mg/L	09/10/10	14:36	
ICVP 00190	K	19759.58593	19773.52929	19745.64453	0.09978	ug/L	09/10/10	14:36	
ICVP 00190	Mg	1025.77111	1030.01733	1021.52496	0.58541	ug/L	09/10/10	14:36	
ICVP 00190	2Mg	1.02577	1.03001	1.02152	0.58536	mg/L	09/10/10	14:36	
ICVP 00190	Mn	1028.06799	1029.18896	1026.94702	0.15420	ug/L	09/10/10	14:36	
ICVP 00190	Mo	1027.00341	1026.72082	1027.28601	0.03891	ug/L	09/10/10	14:36	
ICVP 00190	Na	10320.13085	10277.15234	10363.10839	0.58894	ug/L	09/10/10	14:36	
ICVP 00190	Ni	1029.67309	1031.81054	1027.53576	0.29356	ug/L	09/10/10	14:36	
ICVP 00190	Pb	1020.11169	1023.72698	1016.49639	0.50120	ug/L	09/10/10	14:36	
ICVP 00190	Se	1034.41149	1037.13793	1031.68505	0.37275	ug/L	09/10/10	14:36	
ICVP 00190	Sb	1008.11651	1009.93280	1006.30023	0.25479	ug/L	09/10/10	14:36	
ICVP 00190	Sn	1028.88134	1031.16784	1026.59472	0.31429	ug/L	09/10/10	14:36	
ICVP 00190	Sr	1051.84838	1051.99755	1051.69921	0.02005	ug/L	09/10/10	14:36	
ICVP 00190	Ti	1002.72882	1002.87548	1002.58215	0.02068	ug/L	09/10/10	14:36	
ICVP 00190	Tl	1008.70825	1008.20806	1009.20837	0.07012	ug/L	09/10/10	14:36	
ICVP 00190	V	1004.91979	1005.72955	1004.11004	0.11395	ug/L	09/10/10	14:36	
ICVP 00190	Zn	1029.62377	1031.03466	1028.21289	0.19378	ug/L	09/10/10	14:36	
ICVP 00190	2203/1	1018.90234	1019.04046	1018.76428	0.01916	ug/L	09/10/10	14:36	
ICVP 00190	2203/2	1020.71545	1026.06677	1015.36419	0.74142	ug/L	09/10/10	14:36	
ICVP 00190	1960/1	1033.44641	1034.30566	1032.58715	0.11758	ug/L	09/10/10	14:36	
ICVP 00190	1960/2	1034.89331	1038.55200	1031.23461	0.49997	ug/L	09/10/10	14:36	
ICVP 00190	Y	979.90637	978.96051	980.85229	0.13651		09/10/10	14:36	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICB	Ag	-0.24664	0.00055	-0.49383	141.73866	ug/L	09/10/10	14:46	
ICB	Al	-0.32459	-1.34909	0.69990	446.35491	ug/L	09/10/10	14:46	
ICB	2Al	-0.00032	-0.00134	0.00069	446.36502	mg/L	09/10/10	14:46	
ICB	As	0.30671	1.12673	-0.51329	378.09399	ug/L	09/10/10	14:46	
ICB	B	-12.89886	-12.61755	-13.18017	3.08420	ug/L	09/10/10	14:46	
ICB	Ba	-0.01165	-0.06764	0.04433	679.51910	ug/L	09/10/10	14:46	
ICB	Be	0.00091	-0.00817	0.01000	1408.40881	ug/L	09/10/10	14:46	
ICB	Ca	0.78786	1.17977	0.39594	70.34841	ug/L	09/10/10	14:46	
ICB	Cd	-0.25933	-0.13374	-0.38493	68.48775	ug/L	09/10/10	14:46	
ICB	Co	-0.56612	-0.72444	-0.40779	39.55086	ug/L	09/10/10	14:46	
ICB	Cr	-0.19207	-0.19093	-0.19320	0.83479	ug/L	09/10/10	14:46	
ICB	Cu	-0.38232	-0.76667	0.00202	142.17127	ug/L	09/10/10	14:46	
ICB	Fe	-8.05220	-3.41253	-12.69188	81.48680	ug/L	09/10/10	14:46	
ICB	2Fe	-0.00805	-0.00341	-0.01269	81.48390	mg/L	09/10/10	14:46	
ICB	K	-13.58519	-6.96358	-20.20680	68.93071	ug/L	09/10/10	14:46	
ICB	Mg	-0.00745	-1.61676	1.60185	30515.73242	ug/L	09/10/10	14:46	
ICB	2Mg	0.00000	-0.00161	0.00160	37776.58984	mg/L	09/10/10	14:46	
ICB	Mn	0.03083	0.03168	0.02998	3.88386	ug/L	09/10/10	14:46	
ICB	Mo	-1.00476	1.11787	-3.12741	298.76293	ug/L	09/10/10	14:46	
ICB	Na	97.27348	90.89341	103.65355	9.27568	ug/L	09/10/10	14:46	
ICB	Ni	-0.51334	0.15684	-1.18354	184.63165	ug/L	09/10/10	14:46	
ICB	Pb	-0.06533	-0.28267	0.15200	470.44091	ug/L	09/10/10	14:46	
ICB	Se	-0.09625	-1.82765	1.63514	2543.81713	ug/L	09/10/10	14:46	
ICB	Sb	-2.97604	-2.04868	-3.90339	44.06781	ug/L	09/10/10	14:46	
ICB	Sn	-0.55139	-0.75559	-0.34720	52.37048	ug/L	09/10/10	14:46	
ICB	Sr	0.01795	0.00614	0.02976	92.98754	ug/L	09/10/10	14:46	
ICB	Ti	-0.07402	0.07455	-0.22261	283.84994	ug/L	09/10/10	14:46	
ICB	Tl	1.07056	-4.03196	6.17309	674.04498	ug/L	09/10/10	14:46	
ICB	V	-0.68133	-0.39319	-0.96948	59.80760	ug/L	09/10/10	14:46	
ICB	Zn	-0.55042	-0.58493	-0.51591	8.86771	ug/L	09/10/10	14:46	
ICB	2203/1	0.81696	-0.35421	1.98815	202.73834	ug/L	09/10/10	14:46	
ICB	2203/2	-0.50582	-0.24695	-0.76469	72.37671	ug/L	09/10/10	14:46	
ICB	1960/1	0.69120	-4.80816	6.19057	1125.18005	ug/L	09/10/10	14:46	
ICB	1960/2	-0.48939	-0.33963	-0.63915	43.27623	ug/L	09/10/10	14:46	
ICB	Y	993.22705	991.12420	995.32989	0.29941		09/10/10	14:46	
RL ICP 00045	Ag	9.94485	9.36217	10.52752	8.28592	ug/L	09/10/10	14:51	
RL ICP 00045	Al	215.92355	212.83106	219.01605	2.02545	ug/L	09/10/10	14:51	
RL ICP 00045	2Al	0.21592	0.21283	0.21902	2.02545	mg/L	09/10/10	14:51	
RL ICP 00045	As	22.18093	22.73445	21.62741	3.52912	ug/L	09/10/10	14:51	
RL ICP 00045	B	90.08223	90.25545	89.90901	0.27193	ug/L	09/10/10	14:51	
RL ICP 00045	Ba	10.40126	10.37182	10.43069	0.40019	ug/L	09/10/10	14:51	
RL ICP 00045	Be	4.03514	4.01860	4.05167	0.57946	ug/L	09/10/10	14:51	
RL ICP 00045	Ca	514.24731	511.46014	517.03454	0.76649	ug/L	09/10/10	14:51	
RL ICP 00045	Cd	5.42826	5.41110	5.44542	0.44708	ug/L	09/10/10	14:51	
RL ICP 00045	Co	9.81966	9.44668	10.19264	5.37161	ug/L	09/10/10	14:51	
RL ICP 00045	Cr	9.46267	9.12621	9.79914	5.02851	ug/L	09/10/10	14:51	
RL ICP 00045	Cu	21.20226	20.95203	21.45249	1.66904	ug/L	09/10/10	14:51	
RL ICP 00045	Fe	59.94826	60.74547	59.15105	1.88066	ug/L	09/10/10	14:51	
RL ICP 00045	2Fe	0.05994	0.06074	0.05914	1.88021	mg/L	09/10/10	14:51	
RL ICP 00045	K	1021.73962	1012.29583	1031.18347	1.30714	ug/L	09/10/10	14:51	
RL ICP 00045	Mg	518.15112	515.06225	521.24005	0.84306	ug/L	09/10/10	14:51	
RL ICP 00045	2Mg	0.51799	0.51491	0.52108	0.84312	mg/L	09/10/10	14:51	
RL ICP 00045	Mn	10.08384	10.04685	10.12083	0.51876	ug/L	09/10/10	14:51	
RL ICP 00045	Mo	9.07126	8.79062	9.35189	4.37510	ug/L	09/10/10	14:51	
RL ICP 00045	Na	1009.79626	1023.83465	995.75787	1.96606	ug/L	09/10/10	14:51	
RL ICP 00045	Ni	41.45405	41.26233	41.64577	0.65406	ug/L	09/10/10	14:51	
RL ICP 00045	Pb	9.93960	9.97693	9.90227	0.53114	ug/L	09/10/10	14:51	
RL ICP 00045	Se	22.92766	23.40556	22.44976	2.94774	ug/L	09/10/10	14:51	
RL ICP 00045	Sb	22.63240	21.17539	24.08941	9.10429	ug/L	09/10/10	14:51	
RL ICP 00045	Sn	52.03245	51.93210	52.13281	0.27275	ug/L	09/10/10	14:51	
RL ICP 00045	Sr	10.58396	10.54420	10.62373	0.53137	ug/L	09/10/10	14:51	
RL ICP 00045	Ti	10.15243	10.12517	10.17969	0.37971	ug/L	09/10/10	14:51	
RL ICP 00045	Tl	20.25890	21.67397	18.84383	9.87818	ug/L	09/10/10	14:51	
RL ICP 00045	V	9.95936	9.76233	10.15639	2.79782	ug/L	09/10/10	14:51	
RL ICP 00045	Zn	21.26922	21.41455	21.12390	0.96627	ug/L	09/10/10	14:51	
RL ICP 00045	2203/1	12.32277	12.49388	12.15167	1.96365	ug/L	09/10/10	14:51	
RL ICP 00045	2203/2	8.74979	8.72034	8.77925	0.47607	ug/L	09/10/10	14:51	
RL ICP 00045	1960/1	26.51284	23.83392	29.19175	14.28951	ug/L	09/10/10	14:51	
RL ICP 00045	1960/2	21.13774	23.19167	19.08380	13.74179	ug/L	09/10/10	14:51	
RL ICP 00045	Y	988.82202	994.73577	982.90820	0.84579		09/10/10	14:51	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSA61 00022	Ag	0.13895	0.05544	0.22245	84.98645	ug/L	09/10/10	14:56	
ICSA61 00022	Al	542471.50000	542636.18750	542306.75000	0.04294	ug/L	09/10/10	14:56	
ICSA61 00022	2Al	542.45568	542.63067	542.28076	0.04561	mg/L	09/10/10	14:56	
ICSA61 00022	As	1.66402	-1.42647	4.75452	262.65362	ug/L	09/10/10	14:56	
ICSA61 00022	B	3.92129	6.47455	1.36803	92.08318	ug/L	09/10/10	14:56	
ICSA61 00022	Ba	0.69843	0.67281	0.72405	5.18762	ug/L	09/10/10	14:56	
ICSA61 00022	Be	0.04127	0.05927	0.02327	61.66648	ug/L	09/10/10	14:56	
ICSA61 00022	Ca	541704.37500	540792.06250	542616.68750	0.23817	ug/L	09/10/10	14:56	
ICSA61 00022	Cd	-0.34663	-0.43198	-0.26127	34.82574	ug/L	09/10/10	14:56	
ICSA61 00022	Co	-0.12759	-0.07967	-0.17550	53.10668	ug/L	09/10/10	14:56	
ICSA61 00022	Cr	1.03537	1.20128	0.86946	22.66116	ug/L	09/10/10	14:56	
ICSA61 00022	Cu	1.39737	1.06263	1.73212	33.87802	ug/L	09/10/10	14:56	
ICSA61 00022	Fe	203392.37500	202997.39062	203787.35937	0.27463	ug/L	09/10/10	14:56	
ICSA61 00022	2Fe	203.35484	202.96382	203.74586	0.27193	mg/L	09/10/10	14:56	
ICSA61 00022	K	0.19329	-7.16218	7.54877	5381.50830	ug/L	09/10/10	14:56	
ICSA61 00022	Mg	545527.37500	544875.12500	546179.56250	0.16907	ug/L	09/10/10	14:56	
ICSA61 00022	2Mg	545.30859	544.66748	545.94970	0.16626	mg/L	09/10/10	14:56	
ICSA61 00022	Mn	-1.60033	-1.57554	-1.62513	2.19088	ug/L	09/10/10	14:56	
ICSA61 00022	Mo	-0.85112	-1.53954	-0.16269	114.38780	ug/L	09/10/10	14:56	
ICSA61 00022	Na	286.19052	293.49856	278.88247	3.61127	ug/L	09/10/10	14:56	
ICSA61 00022	Ni	-0.67334	-0.57154	-0.77514	21.38169	ug/L	09/10/10	14:56	
ICSA61 00022	Pb	-4.10050	-3.23580	-4.96520	29.82238	ug/L	09/10/10	14:56	
ICSA61 00022	Se	-0.41735	0.80487	-1.63959	414.15310	ug/L	09/10/10	14:56	
ICSA61 00022	Sb	1.75610	3.48854	0.02366	139.51594	ug/L	09/10/10	14:56	
ICSA61 00022	Sn	2.01534	0.92535	3.10532	76.48674	ug/L	09/10/10	14:56	
ICSA61 00022	Sr	2.40944	2.42252	2.39637	0.76743	ug/L	09/10/10	14:56	
ICSA61 00022	Ti	1.66547	1.83888	1.49205	14.72563	ug/L	09/10/10	14:56	
ICSA61 00022	Tl	-5.18681	-4.61494	-5.75869	15.59250	ug/L	09/10/10	14:56	
ICSA61 00022	V	-5.80622	-6.10212	-5.51032	7.20729	ug/L	09/10/10	14:56	
ICSA61 00022	Zn	4.42012	4.72812	4.11212	9.85439	ug/L	09/10/10	14:56	
ICSA61 00022	2203/1	36.54958	34.77497	38.32419	6.86648	ug/L	09/10/10	14:56	
ICSA61 00022	2203/2	-24.39507	-22.21270	-26.57744	12.65149	ug/L	09/10/10	14:56	
ICSA61 00022	1960/1	4.87309	4.68753	5.05865	5.38507	ug/L	09/10/10	14:56	
ICSA61 00022	1960/2	-3.05861	-1.13354	-4.98369	89.00980	ug/L	09/10/10	14:56	
ICSA61 00022	Y	882.10021	882.31518	881.88525	0.03446		09/10/10	14:56	
ICSAB61 00038	Ag	225.17236	225.71394	224.63079	0.34013	ug/L	09/10/10	15:04	
ICSAB61 00038	Al	544862.75000	547342.68750	542382.75000	0.64368	ug/L	09/10/10	15:04	
ICSAB61 00038	2Al	544.86791	547.35314	542.38262	0.64505	mg/L	09/10/10	15:04	
ICSAB61 00038	As	109.96785	108.86582	111.06989	1.41724	ug/L	09/10/10	15:04	
ICSAB61 00038	B	3.02528	2.91177	3.13878	5.30608	ug/L	09/10/10	15:04	
ICSAB61 00038	Ba	552.07360	554.24108	549.90606	0.55523	ug/L	09/10/10	15:04	
ICSAB61 00038	Be	545.02124	546.36383	543.67864	0.34837	ug/L	09/10/10	15:04	
ICSAB61 00038	Ca	546068.43750	547630.50000	544506.37500	0.40454	ug/L	09/10/10	15:04	
ICSAB61 00038	Cd	1039.11962	1042.55249	1035.68676	0.46720	ug/L	09/10/10	15:04	
ICSAB61 00038	Co	509.42001	510.75082	508.08920	0.36944	ug/L	09/10/10	15:04	
ICSAB61 00038	Cr	520.41674	521.58868	519.24487	0.31846	ug/L	09/10/10	15:04	
ICSAB61 00038	Cu	572.25964	575.43017	569.08911	0.78352	ug/L	09/10/10	15:04	
ICSAB61 00038	Fe	205384.87500	206001.07812	204768.67187	0.42429	ug/L	09/10/10	15:04	
ICSAB61 00038	2Fe	205.35577	205.97386	204.73767	0.42566	mg/L	09/10/10	15:04	
ICSAB61 00038	K	-8.93685	-22.87562	5.00192	220.57441	ug/L	09/10/10	15:04	
ICSAB61 00038	Mg	550412.00000	552267.62500	548556.37500	0.47677	ug/L	09/10/10	15:04	
ICSAB61 00038	2Mg	550.21166	552.07214	548.35125	0.47819	mg/L	09/10/10	15:04	
ICSAB61 00038	Mn	524.42407	526.39831	522.44976	0.53240	ug/L	09/10/10	15:04	
ICSAB61 00038	Mo	1048.92163	1048.68054	1049.16284	0.03251	ug/L	09/10/10	15:04	
ICSAB61 00038	Na	187.03950	40.84394	333.23507	110.53907	ug/L	09/10/10	15:04	
ICSAB61 00038	Ni	1008.00268	1012.46179	1003.54357	0.62560	ug/L	09/10/10	15:04	
ICSAB61 00038	Pb	48.35002	49.37619	47.32385	3.00150	ug/L	09/10/10	15:04	
ICSAB61 00038	Se	57.07389	60.05050	54.09728	7.37563	ug/L	09/10/10	15:04	
ICSAB61 00038	Sb	676.37805	675.76599	676.99011	0.12797	ug/L	09/10/10	15:04	
ICSAB61 00038	Sn	1047.99353	1052.95275	1043.03430	0.66922	ug/L	09/10/10	15:04	
ICSAB61 00038	Sr	2.49516	2.51563	2.47469	1.16032	ug/L	09/10/10	15:04	
ICSAB61 00038	Ti	1.94700	1.84411	2.04989	7.47374	ug/L	09/10/10	15:04	
ICSAB61 00038	Tl	101.87637	102.91605	100.83668	1.44325	ug/L	09/10/10	15:04	
ICSAB61 00038	V	522.79754	524.02343	521.57165	0.33161	ug/L	09/10/10	15:04	
ICSAB61 00038	Zn	1029.43774	1032.58154	1026.29406	0.43187	ug/L	09/10/10	15:04	
ICSAB61 00038	2203/1	79.57403	75.80924	83.33882	6.69089	ug/L	09/10/10	15:04	
ICSAB61 00038	2203/2	32.76142	36.17948	29.34336	14.75476	ug/L	09/10/10	15:04	
ICSAB61 00038	1960/1	56.01525	58.23016	53.80033	5.59198	ug/L	09/10/10	15:04	
ICSAB61 00038	1960/2	57.60242	60.95930	54.24553	8.24159	ug/L	09/10/10	15:04	
ICSAB61 00038	Y	876.38183	874.16955	878.59417	0.35699		09/10/10	15:04	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCVP 00072	Ag	514.77722	514.73571	514.81866	0.01139	ug/L	09/10/10	15:10	
CCVP 00072	Al	5123.39306	5129.11914	5117.66699	0.15805	ug/L	09/10/10	15:10	
CCVP 00072	2Al	5.12339	5.12902	5.11776	0.15540	mg/L	09/10/10	15:10	
CCVP 00072	As	521.48492	525.27832	517.69152	1.02873	ug/L	09/10/10	15:10	
CCVP 00072	B	5135.62939	5124.47802	5146.78076	0.30707	ug/L	09/10/10	15:10	
CCVP 00072	Ba	5177.85546	5169.29980	5186.41162	0.23368	ug/L	09/10/10	15:10	
CCVP 00072	Be	517.36621	516.55505	518.17730	0.22172	ug/L	09/10/10	15:10	
CCVP 00072	Ca	5153.93164	5153.64892	5154.21435	0.00775	ug/L	09/10/10	15:10	
CCVP 00072	Cd	516.91113	515.92700	517.89532	0.26925	ug/L	09/10/10	15:10	
CCVP 00072	Co	515.74597	514.55816	516.93383	0.32571	ug/L	09/10/10	15:10	
CCVP 00072	Cr	5162.03906	5155.12255	5168.95507	0.18948	ug/L	09/10/10	15:10	
CCVP 00072	Cu	5131.76318	5125.50390	5138.02246	0.17249	ug/L	09/10/10	15:10	
CCVP 00072	Fe	5189.67089	5176.98339	5202.35839	0.34574	ug/L	09/10/10	15:10	
CCVP 00072	2Fe	5.18966	5.17697	5.20235	0.34574	mg/L	09/10/10	15:10	
CCVP 00072	K	10171.17968	10172.76464	10169.59472	0.02203	ug/L	09/10/10	15:10	
CCVP 00072	Mg	5171.52832	5176.48291	5166.57421	0.13548	ug/L	09/10/10	15:10	
CCVP 00072	2Mg	5.17152	5.17647	5.16656	0.13541	mg/L	09/10/10	15:10	
CCVP 00072	Mn	5163.96289	5157.41113	5170.51513	0.17943	ug/L	09/10/10	15:10	
CCVP 00072	Mo	516.23791	516.24786	516.22796	0.00272	ug/L	09/10/10	15:10	
CCVP 00072	Na	7609.81787	7638.09472	7581.54101	0.52549	ug/L	09/10/10	15:10	
CCVP 00072	Ni	2582.41943	2578.67431	2586.16479	0.20510	ug/L	09/10/10	15:10	
CCVP 00072	Pb	519.40490	522.04492	516.76495	0.71880	ug/L	09/10/10	15:10	
CCVP 00072	Se	5189.46582	5184.95312	5193.97802	0.12297	ug/L	09/10/10	15:10	
CCVP 00072	Sb	517.36437	515.08941	519.63934	0.62186	ug/L	09/10/10	15:10	
CCVP 00072	Sn	5168.17041	5159.15820	5177.18261	0.24660	ug/L	09/10/10	15:10	
CCVP 00072	Sr	2628.61279	2625.54931	2631.67602	0.16481	ug/L	09/10/10	15:10	
CCVP 00072	Ti	516.30499	516.04125	516.56872	0.07223	ug/L	09/10/10	15:10	
CCVP 00072	Tl	5191.48535	5176.64746	5206.32275	0.40419	ug/L	09/10/10	15:10	
CCVP 00072	V	5137.86230	5126.79687	5148.92822	0.30458	ug/L	09/10/10	15:10	
CCVP 00072	Zn	2583.73291	2580.32275	2587.14306	0.18665	ug/L	09/10/10	15:10	
CCVP 00072	2203/1	518.10278	518.87066	517.33496	0.20959	ug/L	09/10/10	15:10	
CCVP 00072	2203/2	520.05053	523.62518	516.47589	0.97208	ug/L	09/10/10	15:10	
CCVP 00072	1960/1	5158.45556	5147.36914	5169.54199	0.30393	ug/L	09/10/10	15:10	
CCVP 00072	1960/2	5204.94726	5203.71679	5206.17773	0.03343	ug/L	09/10/10	15:10	
CCVP 00072	Y	977.09216	977.69409	976.49023	0.08712		09/10/10	15:10	
CCB	Ag	-0.46926	-0.59167	-0.34686	36.88922	ug/L	09/10/10	15:15	
CCB	Al	53.14464	54.05106	52.23822	2.41203	ug/L	09/10/10	15:15	
CCB	2Al	0.05314	0.05405	0.05223	2.41206	mg/L	09/10/10	15:15	
CCB	As	0.24958	2.45289	-1.95372	1248.44836	ug/L	09/10/10	15:15	
CCB	B	-5.47559	-3.32568	-7.62551	55.52714	ug/L	09/10/10	15:15	
CCB	Ba	0.17697	0.14407	0.20987	26.29015	ug/L	09/10/10	15:15	
CCB	Be	0.06507	0.05237	0.07778	27.61142	ug/L	09/10/10	15:15	
CCB	Ca	51.42001	49.88161	52.95842	4.23110	ug/L	09/10/10	15:15	
CCB	Cd	0.21054	0.27357	0.14752	42.33422	ug/L	09/10/10	15:15	
CCB	Co	0.06638	-0.10701	0.23978	369.38742	ug/L	09/10/10	15:15	
CCB	Cr	0.62066	0.76943	0.47190	33.89679	ug/L	09/10/10	15:15	
CCB	Cu	-0.10542	-0.00368	-0.20717	136.48066	ug/L	09/10/10	15:15	
CCB	Fe	25.22655	24.13700	26.31610	6.10807	ug/L	09/10/10	15:15	
CCB	2Fe	0.02522	0.02413	0.02631	6.10857	mg/L	09/10/10	15:15	
CCB	K	-3.85788	-13.30087	5.58510	346.15872	ug/L	09/10/10	15:15	
CCB	Mg	54.19017	52.68749	55.69284	3.92156	ug/L	09/10/10	15:15	
CCB	2Mg	0.05417	0.05266	0.05567	3.92138	mg/L	09/10/10	15:15	
CCB	Mn	0.30351	0.30461	0.30241	0.51346	ug/L	09/10/10	15:15	
CCB	Mo	-0.33561	0.37974	-1.05097	301.43627	ug/L	09/10/10	15:15	
CCB	Na	154.79650	26.87261	282.72039	116.87065	ug/L	09/10/10	15:15	
CCB	Ni	0.52945	-0.60210	1.66101	302.24710	ug/L	09/10/10	15:15	
CCB	Pb	0.46256	-0.19452	1.11964	200.89311	ug/L	09/10/10	15:15	
CCB	Se	-3.50554	-4.30818	-2.70290	32.38010	ug/L	09/10/10	15:15	
CCB	Sb	-1.50984	-3.49935	0.47967	186.35083	ug/L	09/10/10	15:15	
CCB	Sn	1.11048	0.46060	1.76035	82.76216	ug/L	09/10/10	15:15	
CCB	Sr	0.10712	0.14377	0.07047	48.37843	ug/L	09/10/10	15:15	
CCB	Ti	0.06599	0.09741	0.03457	67.33428	ug/L	09/10/10	15:15	
CCB	Tl	-1.33252	-0.69960	-1.96545	67.17230	ug/L	09/10/10	15:15	
CCB	V	0.23442	-0.07383	0.54268	185.96484	ug/L	09/10/10	15:15	
CCB	Zn	-0.10628	-0.17350	-0.03905	89.45230	ug/L	09/10/10	15:15	
CCB	2203/1	0.05094	-1.89201	1.99390	5394.10742	ug/L	09/10/10	15:15	
CCB	2203/2	0.66806	0.65295	0.68317	3.19903	ug/L	09/10/10	15:15	
CCB	1960/1	3.99276	1.36774	6.61778	92.97647	ug/L	09/10/10	15:15	
CCB	1960/2	-7.24908	-7.14189	-7.35626	2.09107	ug/L	09/10/10	15:15	
CCB	Y	1001.53295	999.80139	1003.26446	0.24450		09/10/10	15:15	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	496.14147	496.97857	495.30441	0.23860	ug/L	09/10/10	15:20	
CCV	Al	4964.96679	4951.90136	4978.03173	0.37214	ug/L	09/10/10	15:20	
CCV	2Al	4.96487	4.95162	4.97812	0.37747	mg/L	09/10/10	15:20	
CCV	As	498.43157	496.93759	499.92559	0.42389	ug/L	09/10/10	15:20	
CCV	B	4977.10644	4975.50097	4978.71191	0.04561	ug/L	09/10/10	15:20	
CCV	Ba	5029.35156	5033.64355	5025.05957	0.12068	ug/L	09/10/10	15:20	
CCV	Be	500.01141	500.01098	500.01184	0.00012	ug/L	09/10/10	15:20	
CCV	Ca	4991.77636	4974.19091	5009.36181	0.49821	ug/L	09/10/10	15:20	
CCV	Cd	498.28457	496.93801	499.63113	0.38217	ug/L	09/10/10	15:20	
CCV	Co	498.06237	497.46304	498.66168	0.17017	ug/L	09/10/10	15:20	
CCV	Cr	4990.55664	4990.66894	4990.44433	0.00318	ug/L	09/10/10	15:20	
CCV	Cu	4977.65820	4987.89599	4967.42089	0.29086	ug/L	09/10/10	15:20	
CCV	Fe	5012.71044	4999.41406	5026.00683	0.37512	ug/L	09/10/10	15:20	
CCV	2Fe	5.01270	4.99941	5.02600	0.37508	mg/L	09/10/10	15:20	
CCV	K	9895.09179	9874.97363	9915.20898	0.28752	ug/L	09/10/10	15:20	
CCV	Mg	4995.84765	4981.73193	5009.96337	0.39958	ug/L	09/10/10	15:20	
CCV	2Mg	4.99584	4.98173	5.00995	0.39942	mg/L	09/10/10	15:20	
CCV	Mn	5003.22119	5001.92724	5004.51513	0.03657	ug/L	09/10/10	15:20	
CCV	Mo	497.65933	496.55914	498.75952	0.31264	ug/L	09/10/10	15:20	
CCV	Na	7355.36328	7215.75292	7494.97314	2.68427	ug/L	09/10/10	15:20	
CCV	Ni	2495.64916	2496.39062	2494.90771	0.04201	ug/L	09/10/10	15:20	
CCV	Pb	502.78430	500.97827	504.59036	0.50799	ug/L	09/10/10	15:20	
CCV	Se	5011.37988	4999.65917	5023.10058	0.33075	ug/L	09/10/10	15:20	
CCV	Sb	500.91735	496.16290	505.67181	1.34230	ug/L	09/10/10	15:20	
CCV	Sn	4974.40625	4968.57177	4980.24072	0.16587	ug/L	09/10/10	15:20	
CCV	Sr	2556.34594	2555.92065	2556.77124	0.02352	ug/L	09/10/10	15:20	
CCV	Ti	498.93145	499.11517	498.74777	0.05206	ug/L	09/10/10	15:20	
CCV	Tl	5005.45068	5008.37695	5002.52441	0.08267	ug/L	09/10/10	15:20	
CCV	V	4966.50927	4965.64257	4967.37597	0.02467	ug/L	09/10/10	15:20	
CCV	Zn	2491.92309	2488.32006	2495.52612	0.20447	ug/L	09/10/10	15:20	
CCV	2203/1	500.06112	498.10507	502.01718	0.55318	ug/L	09/10/10	15:20	
CCV	2203/2	504.13952	502.40835	505.87072	0.48563	ug/L	09/10/10	15:20	
CCV	1960/1	4982.36230	4968.43164	4996.29296	0.39541	ug/L	09/10/10	15:20	
CCV	1960/2	5025.86718	5015.24951	5036.48437	0.29876	ug/L	09/10/10	15:20	
CCV	Y	1001.51342	1005.00775	998.01904	0.49342		09/10/10	15:20	
CCB	Ag	-0.20026	0.28842	-0.68896	345.09658	ug/L	09/10/10	15:30	
CCB	Al	3.97817	-0.05934	8.01568	143.53096	ug/L	09/10/10	15:30	
CCB	2Al	0.00397	-0.00005	0.00801	143.53096	mg/L	09/10/10	15:30	
CCB	As	1.42158	2.46613	0.37703	103.91317	ug/L	09/10/10	15:30	
CCB	B	-13.00088	-12.95514	-13.04662	0.49751	ug/L	09/10/10	15:30	
CCB	Ba	-0.16419	-0.08043	-0.24795	72.14318	ug/L	09/10/10	15:30	
CCB	Be	-0.00505	-0.00099	-0.00912	113.62903	ug/L	09/10/10	15:30	
CCB	Ca	2.29883	2.29478	2.30287	0.24870	ug/L	09/10/10	15:30	
CCB	Cd	0.17704	0.21880	0.13528	33.35652	ug/L	09/10/10	15:30	
CCB	Co	-0.23094	-0.16966	-0.29222	37.52675	ug/L	09/10/10	15:30	
CCB	Cr	-0.30152	-0.40600	-0.19704	49.00111	ug/L	09/10/10	15:30	
CCB	Cu	-0.77634	-0.89833	-0.65435	22.22179	ug/L	09/10/10	15:30	
CCB	Fe	2.83948	4.56042	1.11853	85.71224	ug/L	09/10/10	15:30	
CCB	2Fe	0.00283	0.00455	0.00111	85.71897	mg/L	09/10/10	15:30	
CCB	K	-0.39525	2.51989	-3.31040	1043.03710	ug/L	09/10/10	15:30	
CCB	Mg	1.60319	1.60354	1.60284	0.03088	ug/L	09/10/10	15:30	
CCB	2Mg	0.00160	0.00160	0.00160	0.00444	mg/L	09/10/10	15:30	
CCB	Mn	-0.15455	-0.14826	-0.16084	5.75579	ug/L	09/10/10	15:30	
CCB	Mo	-2.54626	-1.26449	-3.82803	71.19025	ug/L	09/10/10	15:30	
CCB	Na	314.61914	359.35070	269.88760	20.10683	ug/L	09/10/10	15:30	
CCB	Ni	-0.52514	-0.12406	-0.92622	108.01061	ug/L	09/10/10	15:30	
CCB	Pb	-0.44909	0.11906	-1.01725	178.91656	ug/L	09/10/10	15:30	
CCB	Se	0.84537	4.42800	-2.73724	599.33013	ug/L	09/10/10	15:30	
CCB	Sb	0.78307	-1.01902	2.58517	325.45559	ug/L	09/10/10	15:30	
CCB	Sn	1.23910	2.25264	0.22556	115.67737	ug/L	09/10/10	15:30	
CCB	Sr	-0.10115	-0.09814	-0.10415	4.20506	ug/L	09/10/10	15:30	
CCB	Ti	-0.15583	-0.11359	-0.19808	38.33710	ug/L	09/10/10	15:30	
CCB	Tl	3.26856	5.44368	1.09344	94.11122	ug/L	09/10/10	15:30	
CCB	V	-0.55390	-0.19187	-0.91593	92.43121	ug/L	09/10/10	15:30	
CCB	Zn	-0.44764	-0.04026	-0.85503	128.70219	ug/L	09/10/10	15:30	
CCB	2203/1	2.27605	5.34821	-0.79610	190.88667	ug/L	09/10/10	15:30	
CCB	2203/2	-1.80962	-2.49158	-1.12766	53.29462	ug/L	09/10/10	15:30	
CCB	1960/1	1.84769	7.58074	-3.88534	438.80273	ug/L	09/10/10	15:30	
CCB	1960/2	0.34496	2.85399	-2.16406	1028.59008	ug/L	09/10/10	15:30	
CCB	Y	1003.05731	1003.13940	1002.97521	0.01157		09/10/10	15:30	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 179530	Ag	-0.86421	-1.33361	-0.39481	76.81372	ug/L	09/10/10	15:37	
PBW 179530	Al	10.26139	14.49553	6.02725	58.35441	ug/L	09/10/10	15:37	
PBW 179530	2Al	0.01026	0.01449	0.00602	58.35430	mg/L	09/10/10	15:37	
PBW 179530	As	-0.53592	1.07447	-2.14633	424.95529	ug/L	09/10/10	15:37	
PBW 179530	B	-16.25212	-16.17492	-16.32932	0.67175	ug/L	09/10/10	15:37	
PBW 179530	Ba	0.01796	-0.05654	0.09246	586.66308	ug/L	09/10/10	15:37	
PBW 179530	Be	-0.02986	-0.02349	-0.03623	30.16281	ug/L	09/10/10	15:37	
PBW 179530	Ca	54.16436	53.47818	54.85053	1.79157	ug/L	09/10/10	15:37	
PBW 179530	Cd	0.23250	0.43176	0.03324	121.20170	ug/L	09/10/10	15:37	
PBW 179530	Co	-0.89287	-1.26438	-0.52136	58.84370	ug/L	09/10/10	15:37	
PBW 179530	Cr	-0.04108	-0.06472	-0.01743	81.39170	ug/L	09/10/10	15:37	
PBW 179530	Cu	-0.62427	-0.39252	-0.85602	52.49981	ug/L	09/10/10	15:37	
PBW 179530	Fe	3.63902	-10.31179	17.58983	542.16308	ug/L	09/10/10	15:37	
PBW 179530	2Fe	0.00363	-0.01031	0.01758	542.21008	mg/L	09/10/10	15:37	
PBW 179530	K	29.51692	25.88850	33.14533	17.38444	ug/L	09/10/10	15:37	
PBW 179530	Mg	11.30130	8.03311	14.56949	40.89719	ug/L	09/10/10	15:37	
PBW 179530	2Mg	0.01129	0.00803	0.01456	40.86894	mg/L	09/10/10	15:37	
PBW 179530	Mn	-0.05002	-0.05745	-0.04258	21.01555	ug/L	09/10/10	15:37	
PBW 179530	Mo	-1.58032	-2.62795	-0.53269	93.75112	ug/L	09/10/10	15:37	
PBW 179530	Na	188.24298	116.67426	259.81170	53.76745	ug/L	09/10/10	15:37	
PBW 179530	Ni	0.28582	0.49793	0.07371	104.94903	ug/L	09/10/10	15:37	
PBW 179530	Pb	1.10944	2.40114	-0.18224	164.65258	ug/L	09/10/10	15:37	
PBW 179530	Se	-1.06702	-0.06828	-2.06577	132.37141	ug/L	09/10/10	15:37	
PBW 179530	Sb	3.24523	2.63140	3.85907	26.74989	ug/L	09/10/10	15:37	
PBW 179530	Sn	1.48394	1.51010	1.45777	2.49368	ug/L	09/10/10	15:37	
PBW 179530	Sr	0.10736	0.10941	0.10531	2.70212	ug/L	09/10/10	15:37	
PBW 179530	Ti	-0.06520	0.09651	-0.22692	350.75680	ug/L	09/10/10	15:37	
PBW 179530	Tl	-0.90078	-0.79348	-1.00809	16.84623	ug/L	09/10/10	15:37	
PBW 179530	V	-0.10394	0.39097	-0.59885	673.37805	ug/L	09/10/10	15:37	
PBW 179530	Zn	1.17176	1.26883	1.07469	11.71562	ug/L	09/10/10	15:37	
PBW 179530	2203/1	0.31041	-0.10156	0.72239	187.69070	ug/L	09/10/10	15:37	
PBW 179530	2203/2	1.50836	3.65062	-0.63389	200.85392	ug/L	09/10/10	15:37	
PBW 179530	1960/1	-0.03704	2.13255	-2.20665	8282.12792	ug/L	09/10/10	15:37	
PBW 179530	1960/2	-1.58124	-1.16705	-1.99543	37.04403	ug/L	09/10/10	15:37	
PBW 179530	Y	988.69299	992.51568	984.87036	0.54678		09/10/10	15:37	
LCSW-1	Ag	51.23026	51.15478	51.30573	0.20834	ug/L	09/10/10	15:42	
LCSW-1	Al	2051.46386	2050.84570	2052.08203	0.04261	ug/L	09/10/10	15:42	
LCSW-1	2Al	2.05151	2.05089	2.05213	0.04261	mg/L	09/10/10	15:42	
LCSW-1	As	2076.62011	2075.20214	2078.03784	0.09655	ug/L	09/10/10	15:42	
LCSW-1	B	1043.06518	1041.76037	1044.37011	0.17691	ug/L	09/10/10	15:42	
LCSW-1	Ba	2121.84326	2120.32568	2123.36083	0.10114	ug/L	09/10/10	15:42	
LCSW-1	Be	52.24141	52.06773	52.41509	0.47015	ug/L	09/10/10	15:42	
LCSW-1	Ca	5202.82128	5198.74365	5206.89892	0.11083	ug/L	09/10/10	15:42	
LCSW-1	Cd	52.97861	52.83879	53.11842	0.37322	ug/L	09/10/10	15:42	
LCSW-1	Co	525.02966	523.93176	526.12750	0.29572	ug/L	09/10/10	15:42	
LCSW-1	Cr	210.94735	210.24769	211.64700	0.46905	ug/L	09/10/10	15:42	
LCSW-1	Cu	257.57049	257.54238	257.59863	0.01544	ug/L	09/10/10	15:42	
LCSW-1	Fe	1047.03295	1047.71948	1046.34643	0.09272	ug/L	09/10/10	15:42	
LCSW-1	2Fe	1.04711	1.04780	1.04643	0.09264	mg/L	09/10/10	15:42	
LCSW-1	K	5178.83203	5174.02148	5183.64306	0.13137	ug/L	09/10/10	15:42	
LCSW-1	Mg	5237.96337	5228.88378	5247.04296	0.24514	ug/L	09/10/10	15:42	
LCSW-1	2Mg	5.23654	5.22746	5.24561	0.24515	mg/L	09/10/10	15:42	
LCSW-1	Mn	525.48864	525.06604	525.91125	0.11373	ug/L	09/10/10	15:42	
LCSW-1	Mo	524.79541	522.25744	527.33337	0.68392	ug/L	09/10/10	15:42	
LCSW-1	Na	5219.14160	5125.60644	5312.67724	2.53449	ug/L	09/10/10	15:42	
LCSW-1	Ni	524.06896	522.85327	525.28460	0.32805	ug/L	09/10/10	15:42	
LCSW-1	Pb	520.19213	519.60015	520.78411	0.16093	ug/L	09/10/10	15:42	
LCSW-1	Se	2103.11230	2099.38305	2106.84179	0.25077	ug/L	09/10/10	15:42	
LCSW-1	Sb	518.19885	519.40515	516.99255	0.32921	ug/L	09/10/10	15:42	
LCSW-1	Sn	1043.82458	1046.09338	1041.55578	0.30738	ug/L	09/10/10	15:42	
LCSW-1	Sr	545.17272	545.21362	545.13183	0.01060	ug/L	09/10/10	15:42	
LCSW-1	Ti	729.67004	728.86541	730.47473	0.15595	ug/L	09/10/10	15:42	
LCSW-1	Tl	2158.81396	2157.24145	2160.38623	0.10300	ug/L	09/10/10	15:42	
LCSW-1	V	512.94604	512.18572	513.70635	0.20962	ug/L	09/10/10	15:42	
LCSW-1	Zn	528.10144	527.73217	528.47076	0.09889	ug/L	09/10/10	15:42	
LCSW-1	2203/1	516.34228	514.68762	517.99688	0.45318	ug/L	09/10/10	15:42	
LCSW-1	2203/2	522.11425	522.05279	522.17565	0.01663	ug/L	09/10/10	15:42	
LCSW-1	1960/1	2088.98583	2086.42578	2091.54614	0.17332	ug/L	09/10/10	15:42	
LCSW-1	1960/2	2110.16455	2105.85131	2114.47753	0.28906	ug/L	09/10/10	15:42	
LCSW-1	Y	989.43176	989.92816	988.93536	0.07095		09/10/10	15:42	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61069-4	Ag	0.20250	0.25305	0.15195	35.30141	ug/L	09/10/10	15:47	
61069-4	Al	10.49301	8.67950	12.30652	24.44191	ug/L	09/10/10	15:47	
61069-4	2Al	0.01049	0.00867	0.01230	24.44191	mg/L	09/10/10	15:47	
61069-4	As	2.56683	2.03055	3.10311	29.54673	ug/L	09/10/10	15:47	
61069-4	B	21.94470	23.73753	20.15186	11.55381	ug/L	09/10/10	15:47	
61069-4	Ba	88.64770	88.45312	88.84229	0.31042	ug/L	09/10/10	15:47	
61069-4	Be	-0.04000	-0.04472	-0.03528	16.67439	ug/L	09/10/10	15:47	
61069-4	Ca	13117.49414	13115.33398	13119.65429	0.02328	ug/L	09/10/10	15:47	
61069-4	Cd	-1.10675	-1.12688	-1.08661	2.57315	ug/L	09/10/10	15:47	
61069-4	Co	0.82543	0.76917	0.88169	9.63899	ug/L	09/10/10	15:47	
61069-4	Cr	1.02586	1.17695	0.87477	20.82833	ug/L	09/10/10	15:47	
61069-4	Cu	-0.65126	-0.42840	-0.87412	48.39346	ug/L	09/10/10	15:47	
61069-4	Fe	104910.84375	104808.78125	105012.91406	0.13758	ug/L	09/10/10	15:47	
61069-4	2Fe	104.89111	104.78497	104.99726	0.14311	mg/L	09/10/10	15:47	
61069-4	K	6415.48535	6421.86523	6409.10546	0.14063	ug/L	09/10/10	15:47	
61069-4	Mg	16594.55664	16582.04296	16607.07031	0.10664	ug/L	09/10/10	15:47	
61069-4	2Mg	16.57195	16.55946	16.58444	0.10658	mg/L	09/10/10	15:47	
61069-4	Mn	1154.16015	1153.04125	1155.27905	0.13710	ug/L	09/10/10	15:47	
61069-4	Mo	2.69535	3.60700	1.78370	47.83297	ug/L	09/10/10	15:47	
61069-4	Na	4835.86718	4887.17236	4784.56250	1.50037	ug/L	09/10/10	15:47	
61069-4	Ni	29.76113	29.88407	29.63818	0.58421	ug/L	09/10/10	15:47	
61069-4	Pb	-0.75641	-1.11289	-0.39993	66.64905	ug/L	09/10/10	15:47	
61069-4	Se	1.17370	1.53039	0.81701	42.97843	ug/L	09/10/10	15:47	
61069-4	Sb	6.27899	3.79909	8.75889	55.85466	ug/L	09/10/10	15:47	
61069-4	Sn	-0.88587	-0.66587	-1.10588	35.12159	ug/L	09/10/10	15:47	
61069-4	Sr	129.85733	129.66090	130.05374	0.21391	ug/L	09/10/10	15:47	
61069-4	Ti	0.03893	0.13530	-0.05743	350.02795	ug/L	09/10/10	15:47	
61069-4	Tl	-1.04365	0.08823	-2.17554	153.37785	ug/L	09/10/10	15:47	
61069-4	V	-0.31506	-0.68323	0.05311	165.26441	ug/L	09/10/10	15:47	
61069-4	Zn	9.79225	9.94312	9.64137	2.17896	ug/L	09/10/10	15:47	
61069-4	2203/1	2.57011	3.04137	2.09885	25.93110	ug/L	09/10/10	15:47	
61069-4	2203/2	-2.41718	-3.18691	-1.64745	45.03447	ug/L	09/10/10	15:47	
61069-4	1960/1	2.07184	0.22048	3.92319	126.37110	ug/L	09/10/10	15:47	
61069-4	1960/2	0.72531	2.18437	-0.73375	284.48846	ug/L	09/10/10	15:47	
61069-4	Y	984.91333	983.72906	986.09765	0.17005		09/10/10	15:47	
61069-1S	Ag	51.86242	52.76487	50.95996	2.46086	ug/L	09/10/10	15:51	
61069-1S	Al	2040.57080	2037.67639	2043.46533	0.20060	ug/L	09/10/10	15:51	
61069-1S	2Al	2.04062	2.03772	2.04351	0.20059	mg/L	09/10/10	15:51	
61069-1S	As	2094.00488	2092.31665	2095.69287	0.11400	ug/L	09/10/10	15:51	
61069-1S	B	1091.88549	1091.18505	1092.58581	0.09071	ug/L	09/10/10	15:51	
61069-1S	Ba	2201.48828	2202.68701	2200.28979	0.07699	ug/L	09/10/10	15:51	
61069-1S	Be	52.11190	52.10893	52.11487	0.00806	ug/L	09/10/10	15:51	
61069-1S	Ca	17799.87109	17807.21875	17792.52539	0.05836	ug/L	09/10/10	15:51	
61069-1S	Cd	51.71790	51.96328	51.47252	0.67098	ug/L	09/10/10	15:51	
61069-1S	Co	526.85919	527.84222	525.87615	0.26386	ug/L	09/10/10	15:51	
61069-1S	Cr	211.41259	211.52029	211.30488	0.07204	ug/L	09/10/10	15:51	
61069-1S	Cu	259.95959	260.34625	259.57293	0.21034	ug/L	09/10/10	15:51	
61069-1S	Fe	101242.89062	101301.54687	101184.23437	0.08193	ug/L	09/10/10	15:51	
61069-1S	2Fe	101.22677	101.28775	101.16580	0.08519	mg/L	09/10/10	15:51	
61069-1S	K	11438.79101	11449.20117	11428.37988	0.12871	ug/L	09/10/10	15:51	
61069-1S	Mg	21149.21093	21161.32617	21137.09375	0.08101	ug/L	09/10/10	15:51	
61069-1S	2Mg	21.12618	21.13828	21.11408	0.08101	mg/L	09/10/10	15:51	
61069-1S	Mn	1628.05004	1628.87536	1627.22460	0.07169	ug/L	09/10/10	15:51	
61069-1S	Mo	529.31134	528.52502	530.09765	0.21008	ug/L	09/10/10	15:51	
61069-1S	Na	9632.38574	9675.37207	9589.39941	0.63111	ug/L	09/10/10	15:51	
61069-1S	Ni	548.38146	548.53912	548.22387	0.04064	ug/L	09/10/10	15:51	
61069-1S	Pb	516.37573	517.16375	515.58770	0.21581	ug/L	09/10/10	15:51	
61069-1S	Se	2115.33593	2122.73144	2107.94067	0.49442	ug/L	09/10/10	15:51	
61069-1S	Sb	523.46875	522.74072	524.19677	0.19668	ug/L	09/10/10	15:51	
61069-1S	Sn	1060.09570	1059.22631	1060.96496	0.11597	ug/L	09/10/10	15:51	
61069-1S	Sr	673.03314	673.66949	672.39678	0.13371	ug/L	09/10/10	15:51	
61069-1S	Ti	734.55480	735.28326	733.82629	0.14025	ug/L	09/10/10	15:51	
61069-1S	Tl	2143.12451	2138.34252	2147.90625	0.31554	ug/L	09/10/10	15:51	
61069-1S	V	512.93640	513.29467	512.57806	0.09878	ug/L	09/10/10	15:51	
61069-1S	Zn	531.65222	532.51824	530.78613	0.23037	ug/L	09/10/10	15:51	
61069-1S	2203/1	515.85125	517.84594	513.85656	0.54684	ug/L	09/10/10	15:51	
61069-1S	2203/2	516.63757	516.82318	516.45196	0.05080	ug/L	09/10/10	15:51	
61069-1S	1960/1	2101.38256	2101.58740	2101.17773	0.01378	ug/L	09/10/10	15:51	
61069-1S	1960/2	2122.30224	2133.28759	2111.31713	0.73200	ug/L	09/10/10	15:51	
61069-1S	Y	986.86376	985.76934	987.95819	0.15683		09/10/10	15:51	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61069-1SD	Ag	52.76184	51.95061	53.57308	2.17440	ug/L	09/10/10	15:55	
61069-1SD	Al	2052.39526	2056.30371	2048.48681	0.26931	ug/L	09/10/10	15:55	
61069-1SD	2Al	2.05235	2.05616	2.04853	0.26271	mg/L	09/10/10	15:55	
61069-1SD	As	2098.39233	2098.01904	2098.76562	0.02515	ug/L	09/10/10	15:55	
61069-1SD	B	1086.88037	1085.89904	1087.86169	0.12768	ug/L	09/10/10	15:55	
61069-1SD	Ba	2203.73095	2204.73364	2202.72827	0.06434	ug/L	09/10/10	15:55	
61069-1SD	Be	52.13027	52.08831	52.17224	0.11384	ug/L	09/10/10	15:55	
61069-1SD	Ca	17730.96875	17713.71093	17748.22656	0.13764	ug/L	09/10/10	15:55	
61069-1SD	Cd	51.74365	51.44617	52.04113	0.81304	ug/L	09/10/10	15:55	
61069-1SD	Co	528.01806	528.59887	527.43731	0.15555	ug/L	09/10/10	15:55	
61069-1SD	Cr	211.82507	212.26345	211.38667	0.29268	ug/L	09/10/10	15:55	
61069-1SD	Cu	261.13925	260.96139	261.31710	0.09631	ug/L	09/10/10	15:55	
61069-1SD	Fe	100481.45312	100400.50781	100562.39062	0.11391	ug/L	09/10/10	15:55	
61069-1SD	2Fe	100.46188	100.37977	100.54399	0.11558	mg/L	09/10/10	15:55	
61069-1SD	K	11412.83398	11405.58886	11420.07812	0.08977	ug/L	09/10/10	15:55	
61069-1SD	Mg	21057.82812	21050.47656	21065.17968	0.04937	ug/L	09/10/10	15:55	
61069-1SD	2Mg	21.03495	21.02762	21.04229	0.04931	mg/L	09/10/10	15:55	
61069-1SD	Mn	1624.56042	1623.84289	1625.27795	0.06246	ug/L	09/10/10	15:55	
61069-1SD	Mo	531.35565	531.80706	530.90423	0.12014	ug/L	09/10/10	15:55	
61069-1SD	Na	9624.98144	9717.39941	9532.56347	1.35791	ug/L	09/10/10	15:55	
61069-1SD	Ni	550.16540	550.85906	549.47167	0.17831	ug/L	09/10/10	15:55	
61069-1SD	Pb	520.51416	521.33068	519.69763	0.22184	ug/L	09/10/10	15:55	
61069-1SD	Se	2127.19580	2125.88574	2128.50585	0.08709	ug/L	09/10/10	15:55	
61069-1SD	Sb	526.81982	527.36761	526.27209	0.14704	ug/L	09/10/10	15:55	
61069-1SD	Sn	1055.59680	1054.34533	1056.84826	0.16766	ug/L	09/10/10	15:55	
61069-1SD	Sr	669.04797	669.11322	668.98272	0.01379	ug/L	09/10/10	15:55	
61069-1SD	Ti	730.00677	730.40191	729.61163	0.07654	ug/L	09/10/10	15:55	
61069-1SD	Tl	2156.08935	2155.52514	2156.65332	0.03699	ug/L	09/10/10	15:55	
61069-1SD	V	514.14593	514.26013	514.03173	0.03141	ug/L	09/10/10	15:55	
61069-1SD	Zn	533.63220	534.49914	532.76531	0.22974	ug/L	09/10/10	15:55	
61069-1SD	2203/1	519.25994	516.29058	522.22930	0.80871	ug/L	09/10/10	15:55	
61069-1SD	2203/2	521.14038	523.84698	518.43371	0.73449	ug/L	09/10/10	15:55	
61069-1SD	1960/1	2114.91162	2116.07006	2113.75292	0.07747	ug/L	09/10/10	15:55	
61069-1SD	1960/2	2133.32861	2130.78613	2135.87109	0.16854	ug/L	09/10/10	15:55	
61069-1SD	Y	978.92529	979.57025	978.28039	0.09317		09/10/10	15:55	
PBW 179534	Ag	-0.48798	0.09701	-1.07299	169.53601	ug/L	09/10/10	16:01	
PBW 179534	Al	6.53787	10.42893	2.64681	84.16790	ug/L	09/10/10	16:01	
PBW 179534	2Al	0.00653	0.01042	0.00264	84.16786	mg/L	09/10/10	16:01	
PBW 179534	As	2.27783	0.82582	3.72984	90.14905	ug/L	09/10/10	16:01	
PBW 179534	B	-15.32523	-13.32479	-17.32567	18.46007	ug/L	09/10/10	16:01	
PBW 179534	Ba	-0.02386	0.08927	-0.13699	670.46966	ug/L	09/10/10	16:01	
PBW 179534	Be	-0.01962	-0.02137	-0.01788	12.55290	ug/L	09/10/10	16:01	
PBW 179534	Ca	59.62570	60.61958	58.63182	2.35729	ug/L	09/10/10	16:01	
PBW 179534	Cd	-0.31761	-0.26057	-0.37466	25.39890	ug/L	09/10/10	16:01	
PBW 179534	Co	-0.79827	-0.78528	-0.81125	2.30037	ug/L	09/10/10	16:01	
PBW 179534	Cr	-0.17516	0.01748	-0.36781	155.53834	ug/L	09/10/10	16:01	
PBW 179534	Cu	-1.11779	-0.94283	-1.29275	22.13555	ug/L	09/10/10	16:01	
PBW 179534	Fe	8.70937	20.84761	-3.42886	197.09863	ug/L	09/10/10	16:01	
PBW 179534	2Fe	0.00870	0.02084	-0.00342	197.10478	mg/L	09/10/10	16:01	
PBW 179534	K	35.51058	48.22061	22.80054	50.61788	ug/L	09/10/10	16:01	
PBW 179534	Mg	4.81271	8.02115	1.60427	94.27993	ug/L	09/10/10	16:01	
PBW 179534	2Mg	0.00480	0.00801	0.00160	94.24634	mg/L	09/10/10	16:01	
PBW 179534	Mn	0.21481	0.29503	0.13459	52.81260	ug/L	09/10/10	16:01	
PBW 179534	Mo	-1.46787	-0.32923	-2.60650	109.70110	ug/L	09/10/10	16:01	
PBW 179534	Na	206.56362	296.92565	116.20160	61.86529	ug/L	09/10/10	16:01	
PBW 179534	Ni	-0.82036	-0.50474	-1.13597	54.40853	ug/L	09/10/10	16:01	
PBW 179534	Pb	0.91818	1.80502	0.03134	136.59405	ug/L	09/10/10	16:01	
PBW 179534	Se	-2.51383	-5.36471	0.33703	160.38183	ug/L	09/10/10	16:01	
PBW 179534	Sb	4.45182	7.13377	1.76986	85.19789	ug/L	09/10/10	16:01	
PBW 179534	Sn	3.88864	3.36611	4.41116	19.00309	ug/L	09/10/10	16:01	
PBW 179534	Sr	-0.00163	0.04184	-0.04510	3768.72485	ug/L	09/10/10	16:01	
PBW 179534	Ti	0.05734	0.20329	-0.08861	359.96887	ug/L	09/10/10	16:01	
PBW 179534	Tl	0.31974	-0.97140	1.61088	571.06799	ug/L	09/10/10	16:01	
PBW 179534	V	-0.00961	0.17981	-0.19904	2786.26342	ug/L	09/10/10	16:01	
PBW 179534	Zn	2.94163	2.83747	3.04579	5.00768	ug/L	09/10/10	16:01	
PBW 179534	2203/1	2.97564	3.71596	2.23533	35.18450	ug/L	09/10/10	16:01	
PBW 179534	2203/2	-0.10900	0.85099	-1.06900	1245.50268	ug/L	09/10/10	16:01	
PBW 179534	1960/1	1.34195	0.00764	2.67625	140.61521	ug/L	09/10/10	16:01	
PBW 179534	1960/2	-4.43884	-8.04686	-0.83082	114.95132	ug/L	09/10/10	16:01	
PBW 179534	Y	1004.86700	995.62695	1014.10705	1.30041		09/10/10	16:01	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	51.24582	51.62165	50.86999	1.03716	ug/L	09/10/10	16:05	
LCSW-1	Al	2049.30834	2074.53784	2024.07885	1.74106	ug/L	09/10/10	16:05	
LCSW-1	2Al	2.04926	2.07459	2.02394	1.74767	mg/L	09/10/10	16:05	
LCSW-1	As	2072.29174	2097.28979	2047.29370	1.70596	ug/L	09/10/10	16:05	
LCSW-1	B	1036.27282	1047.72509	1024.82055	1.56290	ug/L	09/10/10	16:05	
LCSW-1	Ba	2132.52246	2154.34082	2110.70410	1.44691	ug/L	09/10/10	16:05	
LCSW-1	Be	52.35488	52.96758	51.74217	1.65503	ug/L	09/10/10	16:05	
LCSW-1	Ca	5240.35644	5297.15722	5183.55517	1.53288	ug/L	09/10/10	16:05	
LCSW-1	Cd	52.90595	53.78268	52.02922	2.34355	ug/L	09/10/10	16:05	
LCSW-1	Co	529.44750	534.51123	524.38372	1.35258	ug/L	09/10/10	16:05	
LCSW-1	Cr	212.31854	214.44927	210.18780	1.41924	ug/L	09/10/10	16:05	
LCSW-1	Cu	260.08779	263.92355	256.25204	2.08567	ug/L	09/10/10	16:05	
LCSW-1	Fe	1063.21862	1075.95495	1050.48229	1.69409	ug/L	09/10/10	16:05	
LCSW-1	2Fe	1.06330	1.07604	1.05056	1.69401	mg/L	09/10/10	16:05	
LCSW-1	K	5156.60302	5203.36572	5109.84033	1.28248	ug/L	09/10/10	16:05	
LCSW-1	Mg	5260.47607	5316.99072	5203.96142	1.51932	ug/L	09/10/10	16:05	
LCSW-1	2Mg	5.25904	5.31554	5.20254	1.51931	mg/L	09/10/10	16:05	
LCSW-1	Mn	528.34088	533.90887	522.77288	1.49038	ug/L	09/10/10	16:05	
LCSW-1	Mo	527.27557	531.16070	523.39044	1.04203	ug/L	09/10/10	16:05	
LCSW-1	Na	5079.52929	5132.69042	5026.36865	1.48007	ug/L	09/10/10	16:05	
LCSW-1	Ni	526.95849	531.98602	521.93090	1.34925	ug/L	09/10/10	16:05	
LCSW-1	Pb	524.59631	528.99859	520.19396	1.18678	ug/L	09/10/10	16:05	
LCSW-1	Se	2100.11474	2119.00805	2081.22167	1.27226	ug/L	09/10/10	16:05	
LCSW-1	Sb	518.57818	523.10217	514.05419	1.23373	ug/L	09/10/10	16:05	
LCSW-1	Sn	1051.68884	1062.71374	1040.66394	1.48252	ug/L	09/10/10	16:05	
LCSW-1	Sr	550.16674	556.14349	544.19000	1.53633	ug/L	09/10/10	16:05	
LCSW-1	Ti	735.46136	743.75640	727.16632	1.59504	ug/L	09/10/10	16:05	
LCSW-1	Tl	2156.01000	2180.53149	2131.48852	1.60846	ug/L	09/10/10	16:05	
LCSW-1	V	515.89367	520.62011	511.16723	1.29565	ug/L	09/10/10	16:05	
LCSW-1	Zn	531.81359	537.33526	526.29187	1.46834	ug/L	09/10/10	16:05	
LCSW-1	2203/1	521.07019	527.02825	515.11212	1.61705	ug/L	09/10/10	16:05	
LCSW-1	2203/2	526.35668	529.98229	522.73107	0.97412	ug/L	09/10/10	16:05	
LCSW-1	1960/1	2083.00073	2102.99218	2063.00927	1.35728	ug/L	09/10/10	16:05	
LCSW-1	1960/2	2108.65820	2127.00317	2090.31347	1.23033	ug/L	09/10/10	16:05	
LCSW-1	Y	982.56036	973.51965	991.60107	1.30124		09/10/10	16:05	
61069-1	Ag	0.36361	0.09220	0.63502	105.55895	ug/L	09/10/10	16:09	
61069-1	Al	4554.71386	4533.80712	4575.62060	0.64914	ug/L	09/10/10	16:09	
61069-1	2Al	4.55456	4.53374	4.57537	0.64624	mg/L	09/10/10	16:09	
61069-1	As	53.08782	50.36647	55.80916	7.24942	ug/L	09/10/10	16:09	
61069-1	B	136.39402	135.71057	137.07748	0.70864	ug/L	09/10/10	16:09	
61069-1	Ba	130.81794	130.04319	131.59269	0.83754	ug/L	09/10/10	16:09	
61069-1	Be	0.24305	0.23621	0.24988	3.97666	ug/L	09/10/10	16:09	
61069-1	Ca	12683.95410	12619.51562	12748.39257	0.71846	ug/L	09/10/10	16:09	
61069-1	Cd	-1.74411	-1.89943	-1.58880	12.59383	ug/L	09/10/10	16:09	
61069-1	Co	1.16073	1.36004	0.96141	24.28466	ug/L	09/10/10	16:09	
61069-1	Cr	90.12622	90.06046	90.19197	0.10318	ug/L	09/10/10	16:09	
61069-1	Cu	15.68533	15.35908	16.01158	2.94154	ug/L	09/10/10	16:09	
61069-1	Fe	155687.56250	154867.48437	156507.65625	0.74493	ug/L	09/10/10	16:09	
61069-1	2Fe	155.65692	154.83868	156.47514	0.74339	mg/L	09/10/10	16:09	
61069-1	K	6480.50097	6460.96630	6500.03613	0.42630	ug/L	09/10/10	16:09	
61069-1	Mg	15590.49414	15500.59472	15680.39453	0.81548	ug/L	09/10/10	16:09	
61069-1	2Mg	15.55921	15.46947	15.64894	0.81561	mg/L	09/10/10	16:09	
61069-1	Mn	1068.14721	1062.39819	1073.89636	0.76117	ug/L	09/10/10	16:09	
61069-1	Mo	10.53479	10.96423	10.10535	5.76486	ug/L	09/10/10	16:09	
61069-1	Na	4722.16894	4645.93750	4798.40087	2.28301	ug/L	09/10/10	16:09	
61069-1	Ni	61.87594	60.96731	62.78457	2.07672	ug/L	09/10/10	16:09	
61069-1	Pb	2.14639	3.53286	0.75993	91.35111	ug/L	09/10/10	16:09	
61069-1	Se	-0.59670	-0.12662	-1.06677	111.41070	ug/L	09/10/10	16:09	
61069-1	Sb	1.85990	-2.62216	6.34197	340.80218	ug/L	09/10/10	16:09	
61069-1	Sn	2.62642	3.73455	1.51830	59.66762	ug/L	09/10/10	16:09	
61069-1	Sr	129.65193	128.81831	130.48554	0.90929	ug/L	09/10/10	16:09	
61069-1	Ti	109.15854	110.04769	108.26940	1.15193	ug/L	09/10/10	16:09	
61069-1	Tl	3.87777	10.09204	-2.33650	226.63293	ug/L	09/10/10	16:09	
61069-1	V	14.49888	14.24568	14.75207	2.46968	ug/L	09/10/10	16:09	
61069-1	Zn	41.47583	41.32481	41.62685	0.51495	ug/L	09/10/10	16:09	
61069-1	2203/1	5.05532	5.40033	4.71032	9.65137	ug/L	09/10/10	16:09	
61069-1	2203/2	0.69411	2.60052	-1.21230	388.42120	ug/L	09/10/10	16:09	
61069-1	1960/1	2.95579	5.06508	0.84651	100.91953	ug/L	09/10/10	16:09	
61069-1	1960/2	-2.37028	-2.71858	-2.02198	20.78099	ug/L	09/10/10	16:09	
61069-1	Y	1001.73620	1004.53869	998.93365	0.39564		09/10/10	16:09	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61069-1S	Ag	53.41795	53.84814	52.98777	1.13888	ug/L	09/10/10	16:13	
61069-1S	Al	9912.98046	9936.89355	9889.06738	0.34115	ug/L	09/10/10	16:13	
61069-1S	2Al	9.91267	9.93658	9.88876	0.34114	mg/L	09/10/10	16:13	
61069-1S	As	2184.36376	2187.27685	2181.45092	0.18859	ug/L	09/10/10	16:13	
61069-1S	B	1235.65417	1236.31616	1234.99218	0.07576	ug/L	09/10/10	16:13	
61069-1S	Ba	2341.42187	2346.29663	2336.54711	0.29443	ug/L	09/10/10	16:13	
61069-1S	Be	54.17151	54.28572	54.05730	0.29816	ug/L	09/10/10	16:13	
61069-1S	Ca	19014.84375	19056.21875	18973.47070	0.30771	ug/L	09/10/10	16:13	
61069-1S	Cd	51.97612	51.95469	51.99755	0.05830	ug/L	09/10/10	16:13	
61069-1S	Co	544.02960	544.69769	543.36151	0.17367	ug/L	09/10/10	16:13	
61069-1S	Cr	285.31463	285.81814	284.81112	0.24957	ug/L	09/10/10	16:13	
61069-1S	Cu	286.45675	287.12927	285.78424	0.33201	ug/L	09/10/10	16:13	
61069-1S	Fe	168654.18750	169047.98437	168260.39062	0.33020	ug/L	09/10/10	16:13	
61069-1S	2Fe	168.62353	169.01606	168.23100	0.32920	mg/L	09/10/10	16:13	
61069-1S	K	12575.82421	12607.80371	12543.84570	0.35961	ug/L	09/10/10	16:13	
61069-1S	Mg	22261.28125	22314.14257	22208.41796	0.33582	ug/L	09/10/10	16:13	
61069-1S	2Mg	22.22611	22.27889	22.17333	0.33583	mg/L	09/10/10	16:13	
61069-1S	Mn	1684.86865	1687.88928	1681.84790	0.25354	ug/L	09/10/10	16:13	
61069-1S	Mo	552.97589	551.88592	554.06585	0.27875	ug/L	09/10/10	16:13	
61069-1S	Na	10239.52539	10274.29101	10204.76074	0.48015	ug/L	09/10/10	16:13	
61069-1S	Ni	586.79083	585.86328	587.71838	0.22354	ug/L	09/10/10	16:13	
61069-1S	Pb	537.91699	537.98919	537.84472	0.01899	ug/L	09/10/10	16:13	
61069-1S	Se	2142.10937	2141.87548	2142.34301	0.01543	ug/L	09/10/10	16:13	
61069-1S	Sb	532.42803	532.82110	532.03497	0.10440	ug/L	09/10/10	16:13	
61069-1S	Sn	1090.81359	1090.64904	1090.97814	0.02133	ug/L	09/10/10	16:13	
61069-1S	Sr	708.91516	710.60919	707.22113	0.33794	ug/L	09/10/10	16:13	
61069-1S	Ti	854.20764	855.79638	852.61895	0.26302	ug/L	09/10/10	16:13	
61069-1S	Tl	2204.70092	2207.88183	2201.52001	0.20404	ug/L	09/10/10	16:13	
61069-1S	V	546.04486	547.26483	544.82489	0.31596	ug/L	09/10/10	16:13	
61069-1S	Zn	586.90875	587.75598	586.06152	0.20414	ug/L	09/10/10	16:13	
61069-1S	2203/1	535.17761	536.85168	533.50360	0.44236	ug/L	09/10/10	16:13	
61069-1S	2203/2	539.28454	538.55712	540.01202	0.19076	ug/L	09/10/10	16:13	
61069-1S	1960/1	2130.32421	2128.79345	2131.85498	0.10161	ug/L	09/10/10	16:13	
61069-1S	1960/2	2147.99291	2148.40649	2147.57934	0.02722	ug/L	09/10/10	16:13	
61069-1S	Y	968.83312	966.10101	971.56530	0.39881		09/10/10	16:13	
61069-1SD	Ag	52.43978	53.33388	51.54566	2.41126	ug/L	09/10/10	16:17	
61069-1SD	Al	10876.58789	10987.16015	10766.01660	1.43769	ug/L	09/10/10	16:17	
61069-1SD	2Al	10.87603	10.98669	10.76537	1.43892	mg/L	09/10/10	16:17	
61069-1SD	As	2146.97167	2170.27734	2123.66577	1.53515	ug/L	09/10/10	16:17	
61069-1SD	B	1216.89575	1227.90869	1205.88281	1.27986	ug/L	09/10/10	16:17	
61069-1SD	Ba	2298.58178	2320.05615	2277.10742	1.32122	ug/L	09/10/10	16:17	
61069-1SD	Be	52.90375	53.43179	52.37571	1.41154	ug/L	09/10/10	16:17	
61069-1SD	Ca	19015.73046	19225.06250	18806.39843	1.55681	ug/L	09/10/10	16:17	
61069-1SD	Cd	50.82662	51.56009	50.09314	2.04084	ug/L	09/10/10	16:17	
61069-1SD	Co	531.50262	537.65405	525.35119	1.63676	ug/L	09/10/10	16:17	
61069-1SD	Cr	285.75286	289.33364	282.17211	1.77214	ug/L	09/10/10	16:17	
61069-1SD	Cu	280.78131	283.79324	277.76940	1.51701	ug/L	09/10/10	16:17	
61069-1SD	Fe	170580.43750	172432.00000	168728.87500	1.53505	ug/L	09/10/10	16:17	
61069-1SD	2Fe	170.54566	172.39746	168.69387	1.53555	mg/L	09/10/10	16:17	
61069-1SD	K	12781.51953	12880.78906	12682.24902	1.09837	ug/L	09/10/10	16:17	
61069-1SD	Mg	22332.99804	22565.22656	22100.76953	1.47056	ug/L	09/10/10	16:17	
61069-1SD	2Mg	22.29747	22.52931	22.06562	1.47047	mg/L	09/10/10	16:17	
61069-1SD	Mn	1682.99316	1700.56958	1665.41662	1.47694	ug/L	09/10/10	16:17	
61069-1SD	Mo	539.87420	545.33508	534.41333	1.43048	ug/L	09/10/10	16:17	
61069-1SD	Na	10183.98242	10339.90917	10028.05566	2.16529	ug/L	09/10/10	16:17	
61069-1SD	Ni	579.18865	585.01947	573.35784	1.42371	ug/L	09/10/10	16:17	
61069-1SD	Pb	525.69519	530.74194	520.64843	1.35766	ug/L	09/10/10	16:17	
61069-1SD	Se	2116.64257	2133.32763	2099.95751	1.11479	ug/L	09/10/10	16:17	
61069-1SD	Sb	523.40734	529.70391	517.11071	1.70130	ug/L	09/10/10	16:17	
61069-1SD	Sn	1063.44531	1075.13525	1051.75549	1.55456	ug/L	09/10/10	16:17	
61069-1SD	Sr	699.41491	706.44671	692.38317	1.42182	ug/L	09/10/10	16:17	
61069-1SD	Ti	842.85473	852.15167	833.55780	1.55991	ug/L	09/10/10	16:17	
61069-1SD	Tl	2152.98876	2184.70068	2121.27661	2.08303	ug/L	09/10/10	16:17	
61069-1SD	V	535.42248	540.85833	529.98657	1.43578	ug/L	09/10/10	16:17	
61069-1SD	Zn	579.98858	586.39031	573.58685	1.56096	ug/L	09/10/10	16:17	
61069-1SD	2203/1	524.92346	527.36743	522.47949	0.65843	ug/L	09/10/10	16:17	
61069-1SD	2203/2	526.08044	532.42663	519.73425	1.70598	ug/L	09/10/10	16:17	
61069-1SD	1960/1	2100.57958	2115.15869	2086.00048	0.98153	ug/L	09/10/10	16:17	
61069-1SD	1960/2	2124.66210	2142.39868	2106.92553	1.18057	ug/L	09/10/10	16:17	
61069-1SD	Y	990.58874	981.71997	999.45745	1.26614		09/10/10	16:17	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	505.24703	505.73431	504.75976	0.13639	ug/L	09/10/10	16:22	
CCV	Al	5006.64404	5028.16162	4985.12646	0.60780	ug/L	09/10/10	16:22	
CCV	2Al	5.00654	5.02806	4.98503	0.60780	mg/L	09/10/10	16:22	
CCV	As	507.51306	512.32995	502.69616	1.34225	ug/L	09/10/10	16:22	
CCV	B	5059.06347	5055.82519	5062.30224	0.09052	ug/L	09/10/10	16:22	
CCV	Ba	5099.03417	5104.23486	5093.83300	0.14424	ug/L	09/10/10	16:22	
CCV	Be	510.40621	510.98764	509.82479	0.16109	ug/L	09/10/10	16:22	
CCV	Ca	5073.04003	5083.58691	5062.49267	0.29402	ug/L	09/10/10	16:22	
CCV	Cd	510.17980	511.27078	509.08883	0.30241	ug/L	09/10/10	16:22	
CCV	Co	506.41870	507.38323	505.45419	0.26935	ug/L	09/10/10	16:22	
CCV	Cr	5079.35058	5087.45556	5071.24560	0.22566	ug/L	09/10/10	16:22	
CCV	Cu	5041.92089	5047.18261	5036.65917	0.14758	ug/L	09/10/10	16:22	
CCV	Fe	5105.31054	5127.80322	5082.81738	0.62307	ug/L	09/10/10	16:22	
CCV	2Fe	5.10530	5.12779	5.08281	0.62302	mg/L	09/10/10	16:22	
CCV	K	10035.39453	10043.72167	10027.06640	0.11735	ug/L	09/10/10	16:22	
CCV	Mg	5064.85888	5078.89404	5050.82373	0.39189	ug/L	09/10/10	16:22	
CCV	2Mg	5.06485	5.07888	5.05082	0.39175	mg/L	09/10/10	16:22	
CCV	Mn	5076.16503	5082.48974	5069.84033	0.17620	ug/L	09/10/10	16:22	
CCV	Mo	509.62878	509.24353	510.01403	0.10690	ug/L	09/10/10	16:22	
CCV	Na	7575.05468	7679.81152	7470.29833	1.95573	ug/L	09/10/10	16:22	
CCV	Ni	2539.16723	2543.54003	2534.79443	0.24354	ug/L	09/10/10	16:22	
CCV	Pb	511.85150	513.15734	510.54565	0.36079	ug/L	09/10/10	16:22	
CCV	Se	5106.91796	5105.11035	5108.72558	0.05005	ug/L	09/10/10	16:22	
CCV	Sb	510.56616	511.47485	509.65747	0.25169	ug/L	09/10/10	16:22	
CCV	Sn	5072.75781	5072.97900	5072.53613	0.00617	ug/L	09/10/10	16:22	
CCV	Sr	2607.67407	2606.89038	2608.45776	0.04250	ug/L	09/10/10	16:22	
CCV	Ti	507.63635	508.26812	507.00460	0.17600	ug/L	09/10/10	16:22	
CCV	Tl	5114.68457	5113.17626	5116.19238	0.04169	ug/L	09/10/10	16:22	
CCV	V	5033.45312	5042.54687	5024.35888	0.25550	ug/L	09/10/10	16:22	
CCV	Zn	2545.58374	2550.81250	2540.35498	0.29048	ug/L	09/10/10	16:22	
CCV	2203/1	507.84494	506.44473	509.24514	0.38992	ug/L	09/10/10	16:22	
CCV	2203/2	513.84741	516.50427	511.19058	0.73121	ug/L	09/10/10	16:22	
CCV	1960/1	5057.23437	5071.03759	5043.43164	0.38598	ug/L	09/10/10	16:22	
CCV	1960/2	5131.72216	5122.12109	5141.32324	0.26458	ug/L	09/10/10	16:22	
CCV	Y	994.54040	990.81933	998.26141	0.52912		09/10/10	16:22	
CCB	Ag	-0.32061	-0.24595	-0.39526	32.92913	ug/L	09/10/10	16:26	
CCB	Al	6.10896	2.25108	9.96685	89.30929	ug/L	09/10/10	16:26	
CCB	2Al	0.00610	0.00225	0.00996	89.30913	mg/L	09/10/10	16:26	
CCB	As	-0.74559	-5.31551	3.82431	866.80004	ug/L	09/10/10	16:26	
CCB	B	-5.79036	-3.38092	-8.19980	58.84713	ug/L	09/10/10	16:26	
CCB	Ba	-0.05587	0.05772	-0.16946	287.53567	ug/L	09/10/10	16:26	
CCB	Be	-0.04040	-0.01063	-0.07016	104.18776	ug/L	09/10/10	16:26	
CCB	Ca	1.49793	1.95563	1.04022	43.21261	ug/L	09/10/10	16:26	
CCB	Cd	-0.10452	0.27602	-0.48507	514.89819	ug/L	09/10/10	16:26	
CCB	Co	-0.90726	-1.58702	-0.22749	105.95956	ug/L	09/10/10	16:26	
CCB	Cr	-1.27167	-1.67568	-0.86766	44.92918	ug/L	09/10/10	16:26	
CCB	Cu	-1.36218	-2.63384	-0.09052	132.02275	ug/L	09/10/10	16:26	
CCB	Fe	-1.07653	1.31665	-3.46971	314.38696	ug/L	09/10/10	16:26	
CCB	2Fe	-0.00107	0.00131	-0.00346	314.25839	mg/L	09/10/10	16:26	
CCB	K	-12.96287	-1.43514	-24.49059	125.76430	ug/L	09/10/10	16:26	
CCB	Mg	-3.25792	-11.32985	4.81400	350.39019	ug/L	09/10/10	16:26	
CCB	2Mg	-0.00325	-0.01132	0.00481	350.42361	mg/L	09/10/10	16:26	
CCB	Mn	-0.13969	-0.22133	-0.05805	82.64704	ug/L	09/10/10	16:26	
CCB	Mo	-0.39056	0.83936	-1.62049	445.35195	ug/L	09/10/10	16:26	
CCB	Na	110.54718	246.42543	-25.33107	173.82702	ug/L	09/10/10	16:26	
CCB	Ni	-0.32957	-0.12630	-0.53285	87.22621	ug/L	09/10/10	16:26	
CCB	Pb	-1.58755	-0.45583	-2.71926	100.81511	ug/L	09/10/10	16:26	
CCB	Se	-0.49849	0.46475	-1.46175	273.27093	ug/L	09/10/10	16:26	
CCB	Sb	-2.12121	-2.10806	-2.13435	0.87630	ug/L	09/10/10	16:26	
CCB	Sn	-0.75642	-0.56488	-0.94796	35.80979	ug/L	09/10/10	16:26	
CCB	Sr	-0.09458	-0.14623	-0.04292	77.23136	ug/L	09/10/10	16:26	
CCB	Ti	-0.31076	-0.46219	-0.15933	68.91049	ug/L	09/10/10	16:26	
CCB	Tl	6.05783	4.51617	7.59948	35.99028	ug/L	09/10/10	16:26	
CCB	V	-0.86878	-0.29530	-1.44227	93.35235	ug/L	09/10/10	16:26	
CCB	Zn	-0.72529	-1.07070	-0.37987	67.35072	ug/L	09/10/10	16:26	
CCB	2203/1	-2.41546	-0.58162	-4.24929	107.36802	ug/L	09/10/10	16:26	
CCB	2203/2	-1.17421	-0.39302	-1.95540	94.08527	ug/L	09/10/10	16:26	
CCB	1960/1	1.65962	2.30307	1.01617	54.83035	ug/L	09/10/10	16:26	
CCB	1960/2	-1.57594	-0.45302	-2.69885	100.76795	ug/L	09/10/10	16:26	
CCB	Y	990.56134	987.19989	993.92279	0.47991		09/10/10	16:26	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	504.28573	503.08343	505.48803	0.33717	ug/L	09/10/10	17:29	
CCV	Al	5030.37988	5019.13232	5041.62744	0.31620	ug/L	09/10/10	17:29	
CCV	2Al	5.03028	5.01903	5.04153	0.31622	mg/L	09/10/10	17:29	
CCV	As	511.32495	507.54055	515.10937	1.04668	ug/L	09/10/10	17:29	
CCV	B	5071.23339	5065.01562	5077.45166	0.17340	ug/L	09/10/10	17:29	
CCV	Ba	5108.97558	5104.47216	5113.47900	0.12465	ug/L	09/10/10	17:29	
CCV	Be	509.40924	508.89596	509.92248	0.14249	ug/L	09/10/10	17:29	
CCV	Ca	5073.88281	5069.53369	5078.23144	0.12121	ug/L	09/10/10	17:29	
CCV	Cd	510.67962	509.65982	511.69946	0.28241	ug/L	09/10/10	17:29	
CCV	Co	507.42926	507.41735	507.44119	0.00332	ug/L	09/10/10	17:29	
CCV	Cr	5078.52734	5070.49023	5086.56396	0.22380	ug/L	09/10/10	17:29	
CCV	Cu	5052.24414	5046.25634	5058.23144	0.16760	ug/L	09/10/10	17:29	
CCV	Fe	5096.46240	5093.12158	5099.80322	0.09270	ug/L	09/10/10	17:29	
CCV	2Fe	5.09645	5.09311	5.09979	0.09270	mg/L	09/10/10	17:29	
CCV	K	9962.72070	9953.90234	9971.53906	0.12517	ug/L	09/10/10	17:29	
CCV	Mg	5057.21484	5051.65039	5062.77880	0.15559	ug/L	09/10/10	17:29	
CCV	2Mg	5.05721	5.05165	5.06277	0.15559	mg/L	09/10/10	17:29	
CCV	Mn	5073.82226	5069.46630	5078.17773	0.12140	ug/L	09/10/10	17:29	
CCV	Mo	508.21469	508.61019	507.81918	0.11005	ug/L	09/10/10	17:29	
CCV	Na	7518.86621	7412.64941	7625.08349	1.99782	ug/L	09/10/10	17:29	
CCV	Ni	2540.68750	2539.14843	2542.22680	0.08567	ug/L	09/10/10	17:29	
CCV	Pb	512.79504	512.27581	513.31427	0.14319	ug/L	09/10/10	17:29	
CCV	Se	5139.52539	5125.64843	5153.40185	0.38183	ug/L	09/10/10	17:29	
CCV	Sb	509.82171	508.95693	510.68652	0.23988	ug/L	09/10/10	17:29	
CCV	Sn	5082.31054	5072.51416	5092.10644	0.27258	ug/L	09/10/10	17:29	
CCV	Sr	2609.80322	2606.72900	2612.87719	0.16658	ug/L	09/10/10	17:29	
CCV	Ti	508.00634	507.40713	508.60559	0.16681	ug/L	09/10/10	17:29	
CCV	Tl	5107.82519	5102.28027	5113.37060	0.15353	ug/L	09/10/10	17:29	
CCV	V	5038.62207	5034.24316	5043.00146	0.12291	ug/L	09/10/10	17:29	
CCV	Zn	2544.43945	2544.45166	2544.42749	0.00067	ug/L	09/10/10	17:29	
CCV	2203/1	507.22930	509.21975	505.23883	0.55496	ug/L	09/10/10	17:29	
CCV	2203/2	515.56933	513.79724	517.34149	0.48609	ug/L	09/10/10	17:29	
CCV	1960/1	5095.68164	5101.98046	5089.38330	0.17480	ug/L	09/10/10	17:29	
CCV	1960/2	5161.41406	5137.46484	5185.36328	0.65620	ug/L	09/10/10	17:29	
CCV	Y	996.04125	995.54876	996.53375	0.06992		09/10/10	17:29	
CCB	Ag	0.16967	0.53747	-0.19813	306.57031	ug/L	09/10/10	17:42	
CCB	Al	11.71958	12.83999	10.59917	13.52010	ug/L	09/10/10	17:42	
CCB	2Al	0.01171	0.01284	0.01059	13.52009	mg/L	09/10/10	17:42	
CCB	As	-0.80794	-0.50840	-1.10748	52.43062	ug/L	09/10/10	17:42	
CCB	B	-12.98892	-11.62635	-14.35150	14.83548	ug/L	09/10/10	17:42	
CCB	Ba	-0.09656	-0.04617	-0.14695	73.79544	ug/L	09/10/10	17:42	
CCB	Be	-0.00508	-0.00388	-0.00628	33.33892	ug/L	09/10/10	17:42	
CCB	Ca	1.77450	2.53908	1.00992	60.93439	ug/L	09/10/10	17:42	
CCB	Cd	0.08541	0.02264	0.14818	103.93109	ug/L	09/10/10	17:42	
CCB	Co	-0.38923	-0.49083	-0.28763	36.91474	ug/L	09/10/10	17:42	
CCB	Cr	0.18485	0.35150	0.01821	127.48423	ug/L	09/10/10	17:42	
CCB	Cu	-0.61799	-0.61633	-0.61966	0.38057	ug/L	09/10/10	17:42	
CCB	Fe	5.79835	2.32186	9.27483	84.79114	ug/L	09/10/10	17:42	
CCB	2Fe	0.00579	0.00232	0.00927	84.79438	mg/L	09/10/10	17:42	
CCB	K	10.21575	15.49393	4.93758	73.06817	ug/L	09/10/10	17:42	
CCB	Mg	1.60386	1.60344	1.60428	0.03741	ug/L	09/10/10	17:42	
CCB	2Mg	0.00160	0.00160	0.00160	0.01751	mg/L	09/10/10	17:42	
CCB	Mn	-0.13434	-0.10954	-0.15914	26.10987	ug/L	09/10/10	17:42	
CCB	Mo	-1.44245	-0.83352	-2.05138	59.70066	ug/L	09/10/10	17:42	
CCB	Na	174.28892	270.67291	77.90493	78.20780	ug/L	09/10/10	17:42	
CCB	Ni	0.62698	1.05262	0.20135	96.00492	ug/L	09/10/10	17:42	
CCB	Pb	0.10203	-0.60121	0.80527	974.74005	ug/L	09/10/10	17:42	
CCB	Se	-1.38738	-0.29436	-2.48039	111.41518	ug/L	09/10/10	17:42	
CCB	Sb	0.48147	0.71981	0.24313	70.00721	ug/L	09/10/10	17:42	
CCB	Sn	2.53356	1.50982	3.55729	57.14402	ug/L	09/10/10	17:42	
CCB	Sr	-0.06143	-0.04341	-0.07945	41.48184	ug/L	09/10/10	17:42	
CCB	Ti	-0.12647	-0.13642	-0.11652	11.12978	ug/L	09/10/10	17:42	
CCB	Tl	1.92821	0.25409	3.60233	122.78507	ug/L	09/10/10	17:42	
CCB	V	-0.15849	-0.28872	-0.02827	116.19534	ug/L	09/10/10	17:42	
CCB	Zn	-0.13891	-0.31019	0.03237	174.37658	ug/L	09/10/10	17:42	
CCB	2203/1	1.48207	0.30435	2.65979	112.37975	ug/L	09/10/10	17:42	
CCB	2203/2	-0.58695	-1.05331	-0.12058	112.36633	ug/L	09/10/10	17:42	
CCB	1960/1	2.58532	6.86117	-1.69052	233.89538	ug/L	09/10/10	17:42	
CCB	1960/2	-3.37075	-3.86677	-2.87473	20.81065	ug/L	09/10/10	17:42	
CCB	Y	996.43603	998.32391	994.54815	0.26794		09/10/10	17:42	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60953-1 1/10	Ag	-0.49546	-0.89673	-0.09420	114.53333	ug/L	09/10/10	17:48	
60953-1 1/10	Al	17.20524	11.07328	23.33720	50.40267	ug/L	09/10/10	17:48	
60953-1 1/10	2Al	0.01720	0.01107	0.02333	50.40261	mg/L	09/10/10	17:48	
60953-1 1/10	As	0.25189	4.75303	-4.24923	2527.02368	ug/L	09/10/10	17:48	
60953-1 1/10	B	-6.96044	-6.57405	-7.34684	7.85069	ug/L	09/10/10	17:48	
60953-1 1/10	Ba	2.65598	2.64402	2.66793	0.63650	ug/L	09/10/10	17:48	
60953-1 1/10	Be	-0.06113	-0.05017	-0.07209	25.35218	ug/L	09/10/10	17:48	
60953-1 1/10	Ca	5256.05664	5263.14160	5248.97216	0.19062	ug/L	09/10/10	17:48	
60953-1 1/10	Cd	-0.30348	-0.32583	-0.28113	10.41545	ug/L	09/10/10	17:48	
60953-1 1/10	Co	-0.29532	-0.06791	-0.52272	108.89704	ug/L	09/10/10	17:48	
60953-1 1/10	Cr	-0.09818	-0.09708	-0.09928	1.58436	ug/L	09/10/10	17:48	
60953-1 1/10	Cu	-0.26274	-0.06945	-0.45602	104.03456	ug/L	09/10/10	17:48	
60953-1 1/10	Fe	0.09127	-1.09270	1.27526	1834.37011	ug/L	09/10/10	17:48	
60953-1 1/10	2Fe	0.00009	-0.00109	0.00127	1837.81921	mg/L	09/10/10	17:48	
60953-1 1/10	K	829.79589	832.53302	827.05877	0.46648	ug/L	09/10/10	17:48	
60953-1 1/10	Mg	4143.23535	4152.45166	4134.01855	0.31458	ug/L	09/10/10	17:48	
60953-1 1/10	2Mg	4.14206	4.15127	4.13285	0.31459	mg/L	09/10/10	17:48	
60953-1 1/10	Mn	-0.27806	-0.29723	-0.25890	9.74671	ug/L	09/10/10	17:48	
60953-1 1/10	Mo	0.35408	1.38057	-0.67241	409.98638	ug/L	09/10/10	17:48	
60953-1 1/10	Na	16559.62500	16714.39453	16404.85546	1.32175	ug/L	09/10/10	17:48	
60953-1 1/10	Ni	0.37612	1.10896	-0.35671	275.54479	ug/L	09/10/10	17:48	
60953-1 1/10	Pb	0.56722	-0.28325	1.41771	212.04212	ug/L	09/10/10	17:48	
60953-1 1/10	Se	-0.02539	1.18180	-1.23260	6722.13476	ug/L	09/10/10	17:48	
60953-1 1/10	Sb	-0.06886	-0.11375	-0.02397	92.18482	ug/L	09/10/10	17:48	
60953-1 1/10	Sn	1.19268	0.47892	1.90644	84.63337	ug/L	09/10/10	17:48	
60953-1 1/10	Sr	1558.84729	1558.90539	1558.78918	0.00527	ug/L	09/10/10	17:48	
60953-1 1/10	Ti	-0.08032	-0.03758	-0.12306	75.24623	ug/L	09/10/10	17:48	
60953-1 1/10	Tl	-3.88554	-2.55110	-5.21998	48.56932	ug/L	09/10/10	17:48	
60953-1 1/10	V	-0.81103	-0.81052	-0.81154	0.08839	ug/L	09/10/10	17:48	
60953-1 1/10	Zn	0.14527	0.25090	0.03964	102.82647	ug/L	09/10/10	17:48	
60953-1 1/10	2203/1	1.02150	-0.93737	2.98037	271.19537	ug/L	09/10/10	17:48	
60953-1 1/10	2203/2	0.34047	0.04331	0.63763	123.43010	ug/L	09/10/10	17:48	
60953-1 1/10	1960/1	1.64475	3.94790	-0.65839	198.03265	ug/L	09/10/10	17:48	
60953-1 1/10	1960/2	-0.85921	-0.19916	-1.51927	108.64003	ug/L	09/10/10	17:48	
60953-1 1/10	Y	977.55334	975.76318	979.34350	0.25898		09/10/10	17:48	
60953-1S 1/10	Ag	5.34510	5.32315	5.36705	0.58082	ug/L	09/10/10	17:53	
60953-1S 1/10	Al	222.76290	223.13230	222.39349	0.23451	ug/L	09/10/10	17:53	
60953-1S 1/10	2Al	0.22276	0.22313	0.22239	0.23452	mg/L	09/10/10	17:53	
60953-1S 1/10	As	216.73268	216.33283	217.13252	0.26090	ug/L	09/10/10	17:53	
60953-1S 1/10	B	100.44329	99.77262	101.11396	0.94428	ug/L	09/10/10	17:53	
60953-1S 1/10	Ba	222.10758	220.22538	223.98979	1.19844	ug/L	09/10/10	17:53	
60953-1S 1/10	Be	5.34667	5.30835	5.38500	1.01374	ug/L	09/10/10	17:53	
60953-1S 1/10	Ca	5553.73828	5516.85058	5590.62597	0.93931	ug/L	09/10/10	17:53	
60953-1S 1/10	Cd	5.49488	5.38083	5.60892	2.93513	ug/L	09/10/10	17:53	
60953-1S 1/10	Co	54.23581	54.40391	54.06771	0.43832	ug/L	09/10/10	17:53	
60953-1S 1/10	Cr	22.09871	22.16950	22.02791	0.45306	ug/L	09/10/10	17:53	
60953-1S 1/10	Cu	26.95345	27.42052	26.48638	2.45064	ug/L	09/10/10	17:53	
60953-1S 1/10	Fe	110.64334	113.74694	107.53974	3.96693	ug/L	09/10/10	17:53	
60953-1S 1/10	2Fe	0.11065	0.11375	0.10754	3.96613	mg/L	09/10/10	17:53	
60953-1S 1/10	K	1337.51635	1336.98706	1338.04553	0.05595	ug/L	09/10/10	17:53	
60953-1S 1/10	Mg	4498.11083	4473.08984	4523.13183	0.78666	ug/L	09/10/10	17:53	
60953-1S 1/10	2Mg	4.49684	4.47183	4.52186	0.78668	mg/L	09/10/10	17:53	
60953-1S 1/10	Mn	54.76549	54.41547	55.11552	0.90388	ug/L	09/10/10	17:53	
60953-1S 1/10	Mo	54.31628	53.90032	54.73223	1.08300	ug/L	09/10/10	17:53	
60953-1S 1/10	Na	16486.58984	16276.18359	16696.99414	1.80484	ug/L	09/10/10	17:53	
60953-1S 1/10	Ni	54.65080	54.40984	54.89176	0.62353	ug/L	09/10/10	17:53	
60953-1S 1/10	Pb	54.10961	55.27306	52.94615	3.04082	ug/L	09/10/10	17:53	
60953-1S 1/10	Se	214.44383	213.47506	215.41259	0.63888	ug/L	09/10/10	17:53	
60953-1S 1/10	Sb	53.45989	55.78493	51.13487	6.15056	ug/L	09/10/10	17:53	
60953-1S 1/10	Sn	109.39642	108.60774	110.18510	1.01956	ug/L	09/10/10	17:53	
60953-1S 1/10	Sr	1537.85644	1524.27868	1551.43420	1.24861	ug/L	09/10/10	17:53	
60953-1S 1/10	Ti	75.20105	74.63797	75.76413	1.05891	ug/L	09/10/10	17:53	
60953-1S 1/10	Tl	219.96502	216.38679	223.54324	2.30053	ug/L	09/10/10	17:53	
60953-1S 1/10	V	51.93300	51.50963	52.35638	1.15291	ug/L	09/10/10	17:53	
60953-1S 1/10	Zn	54.97959	54.67004	55.28913	0.79622	ug/L	09/10/10	17:53	
60953-1S 1/10	2203/1	52.26390	50.95399	53.57380	3.54448	ug/L	09/10/10	17:53	
60953-1S 1/10	2203/2	55.03108	57.42936	52.63279	6.16322	ug/L	09/10/10	17:53	
60953-1S 1/10	1960/1	214.86425	214.02401	215.70449	0.55303	ug/L	09/10/10	17:53	
60953-1S 1/10	1960/2	214.23379	213.20086	215.26673	0.68186	ug/L	09/10/10	17:53	
60953-1S 1/10	Y	986.42602	994.39965	978.45233	1.14316		09/10/10	17:53	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60953-1SD 1/10	Ag	5.00489	4.51490	5.49489	13.84551	ug/L	09/10/10	17:59	
60953-1SD 1/10	Al	217.97415	221.51167	214.43664	2.29513	ug/L	09/10/10	17:59	
60953-1SD 1/10	2Al	0.21797	0.22151	0.21444	2.29514	mg/L	09/10/10	17:59	
60953-1SD 1/10	As	218.05024	217.48486	218.61563	0.36669	ug/L	09/10/10	17:59	
60953-1SD 1/10	B	100.74533	101.52800	99.96265	1.09868	ug/L	09/10/10	17:59	
60953-1SD 1/10	Ba	221.56753	220.94462	222.19042	0.39758	ug/L	09/10/10	17:59	
60953-1SD 1/10	Be	5.33262	5.32945	5.33579	0.08403	ug/L	09/10/10	17:59	
60953-1SD 1/10	Ca	5592.47314	5587.74707	5597.19921	0.11951	ug/L	09/10/10	17:59	
60953-1SD 1/10	Cd	5.45860	5.68343	5.23377	5.82499	ug/L	09/10/10	17:59	
60953-1SD 1/10	Co	53.18046	53.36487	52.99605	0.49039	ug/L	09/10/10	17:59	
60953-1SD 1/10	Cr	20.96305	21.44986	20.47624	3.28413	ug/L	09/10/10	17:59	
60953-1SD 1/10	Cu	26.22864	26.40878	26.04851	0.97124	ug/L	09/10/10	17:59	
60953-1SD 1/10	Fe	103.54908	111.03973	96.05843	10.23029	ug/L	09/10/10	17:59	
60953-1SD 1/10	2Fe	0.10355	0.11104	0.09606	10.22819	mg/L	09/10/10	17:59	
60953-1SD 1/10	K	1334.04272	1331.81835	1336.26721	0.23581	ug/L	09/10/10	17:59	
60953-1SD 1/10	Mg	4549.09667	4551.49707	4546.69677	0.07461	ug/L	09/10/10	17:59	
60953-1SD 1/10	2Mg	4.54781	4.55021	4.54542	0.07456	mg/L	09/10/10	17:59	
60953-1SD 1/10	Mn	54.45515	54.38928	54.52103	0.17107	ug/L	09/10/10	17:59	
60953-1SD 1/10	Mo	54.03073	53.32522	54.73624	1.84662	ug/L	09/10/10	17:59	
60953-1SD 1/10	Na	16531.52734	16598.53125	16464.52148	0.57320	ug/L	09/10/10	17:59	
60953-1SD 1/10	Ni	53.97594	54.37920	53.57267	1.05658	ug/L	09/10/10	17:59	
60953-1SD 1/10	Pb	51.40624	50.43158	52.38090	2.68133	ug/L	09/10/10	17:59	
60953-1SD 1/10	Se	210.90026	209.63122	212.16932	0.85097	ug/L	09/10/10	17:59	
60953-1SD 1/10	Sb	56.14781	56.14476	56.15088	0.00771	ug/L	09/10/10	17:59	
60953-1SD 1/10	Sn	110.91134	111.08000	110.74269	0.21505	ug/L	09/10/10	17:59	
60953-1SD 1/10	Sr	1552.51098	1552.41528	1552.60656	0.00871	ug/L	09/10/10	17:59	
60953-1SD 1/10	Ti	75.05526	74.89877	75.21176	0.29487	ug/L	09/10/10	17:59	
60953-1SD 1/10	Tl	217.65853	214.19708	221.11997	2.24904	ug/L	09/10/10	17:59	
60953-1SD 1/10	V	51.24740	51.25955	51.23526	0.03351	ug/L	09/10/10	17:59	
60953-1SD 1/10	Zn	54.20417	54.24860	54.15973	0.11593	ug/L	09/10/10	17:59	
60953-1SD 1/10	2203/1	52.13429	49.79353	54.47505	6.34962	ug/L	09/10/10	17:59	
60953-1SD 1/10	2203/2	51.04277	50.75013	51.33540	0.81078	ug/L	09/10/10	17:59	
60953-1SD 1/10	1960/1	211.98582	208.27615	215.69549	2.47481	ug/L	09/10/10	17:59	
60953-1SD 1/10	1960/2	210.35818	210.30761	210.40875	0.03399	ug/L	09/10/10	17:59	
60953-1SD 1/10	Y	998.48419	998.30828	998.66009	0.02491		09/10/10	17:59	
60953-2 1/10	Ag	-0.22210	-0.24716	-0.19705	15.95290	ug/L	09/10/10	18:04	
60953-2 1/10	Al	9.33498	6.24670	12.42326	46.78625	ug/L	09/10/10	18:04	
60953-2 1/10	2Al	0.00933	0.00624	0.01242	46.78637	mg/L	09/10/10	18:04	
60953-2 1/10	As	2.67930	3.21020	2.14839	28.02251	ug/L	09/10/10	18:04	
60953-2 1/10	B	-11.38860	-11.08555	-11.69165	3.76317	ug/L	09/10/10	18:04	
60953-2 1/10	Ba	3.01607	3.11283	2.91931	4.53691	ug/L	09/10/10	18:04	
60953-2 1/10	Be	-0.02380	-0.02282	-0.02479	5.82995	ug/L	09/10/10	18:04	
60953-2 1/10	Ca	5017.35156	5015.67333	5019.02929	0.04729	ug/L	09/10/10	18:04	
60953-2 1/10	Cd	0.04274	-0.10659	0.19207	494.12286	ug/L	09/10/10	18:04	
60953-2 1/10	Co	-1.05076	-1.43266	-0.66886	51.39975	ug/L	09/10/10	18:04	
60953-2 1/10	Cr	0.12617	0.06172	0.19062	72.24330	ug/L	09/10/10	18:04	
60953-2 1/10	Cu	0.08667	0.02037	0.15297	108.17932	ug/L	09/10/10	18:04	
60953-2 1/10	Fe	3.55372	20.97934	-13.87189	693.45648	ug/L	09/10/10	18:04	
60953-2 1/10	2Fe	0.00355	0.02097	-0.01387	693.51434	mg/L	09/10/10	18:04	
60953-2 1/10	K	534.75366	538.66241	530.84484	1.03371	ug/L	09/10/10	18:04	
60953-2 1/10	Mg	3590.09472	3587.84277	3592.34643	0.08870	ug/L	09/10/10	18:04	
60953-2 1/10	2Mg	3.58908	3.58682	3.59133	0.08882	mg/L	09/10/10	18:04	
60953-2 1/10	Mn	-0.23787	-0.20625	-0.26949	18.79782	ug/L	09/10/10	18:04	
60953-2 1/10	Mo	0.21508	0.82446	-0.39428	400.66412	ug/L	09/10/10	18:04	
60953-2 1/10	Na	9826.98632	9902.62597	9751.34667	1.08853	ug/L	09/10/10	18:04	
60953-2 1/10	Ni	-0.31759	0.43830	-1.07349	336.59533	ug/L	09/10/10	18:04	
60953-2 1/10	Pb	0.42693	0.62922	0.22464	67.00884	ug/L	09/10/10	18:04	
60953-2 1/10	Se	-1.00375	-0.40379	-1.60371	84.52976	ug/L	09/10/10	18:04	
60953-2 1/10	Sb	1.56058	1.39089	1.73026	15.37687	ug/L	09/10/10	18:04	
60953-2 1/10	Sn	3.03661	3.51099	2.56223	22.09286	ug/L	09/10/10	18:04	
60953-2 1/10	Sr	1752.39379	1751.03662	1753.75085	0.10952	ug/L	09/10/10	18:04	
60953-2 1/10	Ti	-0.05588	-0.14080	0.02903	214.88656	ug/L	09/10/10	18:04	
60953-2 1/10	Tl	-1.96289	1.40973	-5.33552	242.98880	ug/L	09/10/10	18:04	
60953-2 1/10	V	0.38800	1.48555	-0.70954	400.03628	ug/L	09/10/10	18:04	
60953-2 1/10	Zn	0.82411	0.71903	0.92919	18.03247	ug/L	09/10/10	18:04	
60953-2 1/10	2203/1	3.71165	2.93744	4.48585	29.49878	ug/L	09/10/10	18:04	
60953-2 1/10	2203/2	-1.21296	-0.52315	-1.90276	80.42590	ug/L	09/10/10	18:04	
60953-2 1/10	1960/1	5.58604	8.79826	2.37381	81.32365	ug/L	09/10/10	18:04	
60953-2 1/10	1960/2	-4.29371	-4.99792	-3.58950	23.19455	ug/L	09/10/10	18:04	
60953-2 1/10	Y	991.70660	993.21923	990.19396	0.21570		09/10/10	18:04	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60904-1 1/20	Ag	-0.41989	-0.34480	-0.49498	25.29051	ug/L	09/10/10	18:09	
60904-1 1/20	Al	18.25083	18.96792	17.53373	5.55660	ug/L	09/10/10	18:09	
60904-1 1/20	2Al	0.01825	0.01896	0.01753	5.55660	mg/L	09/10/10	18:09	
60904-1 1/20	As	0.94909	3.39157	-1.49338	363.94528	ug/L	09/10/10	18:09	
60904-1 1/20	B	-8.88375	-8.71687	-9.05062	2.65652	ug/L	09/10/10	18:09	
60904-1 1/20	Ba	1.85360	1.87177	1.83543	1.38639	ug/L	09/10/10	18:09	
60904-1 1/20	Be	-0.05315	-0.06192	-0.04439	23.31254	ug/L	09/10/10	18:09	
60904-1 1/20	Ca	14496.08007	14442.73535	14549.42578	0.52042	ug/L	09/10/10	18:09	
60904-1 1/20	Cd	0.05210	0.03899	0.06521	35.59179	ug/L	09/10/10	18:09	
60904-1 1/20	Co	-0.57091	-0.49503	-0.64679	18.79579	ug/L	09/10/10	18:09	
60904-1 1/20	Cr	-0.39924	-0.22923	-0.56925	60.22132	ug/L	09/10/10	18:09	
60904-1 1/20	Cu	-0.21285	0.18686	-0.61257	265.57168	ug/L	09/10/10	18:09	
60904-1 1/20	Fe	135.39318	128.77478	142.01159	6.91308	ug/L	09/10/10	18:09	
60904-1 1/20	2Fe	0.13537	0.12875	0.14199	6.91318	mg/L	09/10/10	18:09	
60904-1 1/20	K	3148.44335	3132.40551	3164.48120	0.72038	ug/L	09/10/10	18:09	
60904-1 1/20	Mg	14306.76562	14238.79589	14374.73632	0.67188	ug/L	09/10/10	18:09	
60904-1 1/20	2Mg	14.30270	14.23475	14.37065	0.67187	mg/L	09/10/10	18:09	
60904-1 1/20	Mn	0.70036	0.68853	0.71219	2.38863	ug/L	09/10/10	18:09	
60904-1 1/20	Mo	-1.76624	-1.83856	-1.69393	5.79033	ug/L	09/10/10	18:09	
60904-1 1/20	Na	139262.48437	138474.93750	140050.03125	0.79975	ug/L	09/10/10	18:09	
60904-1 1/20	Ni	0.18418	0.27078	0.09757	66.49922	ug/L	09/10/10	18:09	
60904-1 1/20	Pb	0.61922	0.66975	0.56870	11.53890	ug/L	09/10/10	18:09	
60904-1 1/20	Se	0.19037	1.79390	-1.41315	1191.20678	ug/L	09/10/10	18:09	
60904-1 1/20	Sb	1.52555	3.08489	-0.03377	144.55229	ug/L	09/10/10	18:09	
60904-1 1/20	Sn	3.76662	3.48001	4.05323	10.76100	ug/L	09/10/10	18:09	
60904-1 1/20	Sr	1263.26269	1254.67016	1271.85522	0.96192	ug/L	09/10/10	18:09	
60904-1 1/20	Ti	-0.09299	-0.11287	-0.07311	30.22943	ug/L	09/10/10	18:09	
60904-1 1/20	Tl	-0.62457	0.30698	-1.55614	210.93147	ug/L	09/10/10	18:09	
60904-1 1/20	V	-0.30312	-0.54286	-0.06338	111.84755	ug/L	09/10/10	18:09	
60904-1 1/20	Zn	-0.02994	0.03785	-0.09775	320.17828	ug/L	09/10/10	18:09	
60904-1 1/20	2203/1	2.91522	2.13355	3.69690	37.92005	ug/L	09/10/10	18:09	
60904-1 1/20	2203/2	-0.52705	-0.06105	-0.99305	125.03932	ug/L	09/10/10	18:09	
60904-1 1/20	1960/1	4.11444	4.97097	3.25790	29.44074	ug/L	09/10/10	18:09	
60904-1 1/20	1960/2	-1.76872	0.20774	-3.74519	158.03236	ug/L	09/10/10	18:09	
60904-1 1/20	Y	977.60028	982.57989	972.62066	0.72035		09/10/10	18:09	
60904-2 1/20	Ag	-1.22471	-1.64984	-0.79957	49.09143	ug/L	09/10/10	18:15	
60904-2 1/20	Al	13.51398	15.64414	11.38382	22.29172	ug/L	09/10/10	18:15	
60904-2 1/20	2Al	0.01351	0.01564	0.01138	22.29175	mg/L	09/10/10	18:15	
60904-2 1/20	As	-2.57323	-3.02928	-2.11719	25.06337	ug/L	09/10/10	18:15	
60904-2 1/20	B	60.23276	60.41027	60.05525	0.41677	ug/L	09/10/10	18:15	
60904-2 1/20	Ba	1.16342	1.15096	1.17588	1.51449	ug/L	09/10/10	18:15	
60904-2 1/20	Be	-0.06562	-0.07454	-0.05670	19.23074	ug/L	09/10/10	18:15	
60904-2 1/20	Ca	12071.43359	12005.32226	12137.54589	0.77452	ug/L	09/10/10	18:15	
60904-2 1/20	Cd	-0.09120	0.00346	-0.18587	146.78932	ug/L	09/10/10	18:15	
60904-2 1/20	Co	-0.54901	-0.11096	-0.98706	112.83683	ug/L	09/10/10	18:15	
60904-2 1/20	Cr	-0.33127	-0.48419	-0.17836	65.27896	ug/L	09/10/10	18:15	
60904-2 1/20	Cu	-0.35169	-0.21481	-0.48858	55.04403	ug/L	09/10/10	18:15	
60904-2 1/20	Fe	4.82332	11.84606	-2.19941	205.90893	ug/L	09/10/10	18:15	
60904-2 1/20	2Fe	0.00482	0.01184	-0.00219	205.92835	mg/L	09/10/10	18:15	
60904-2 1/20	K	8886.00390	8850.43750	8921.56933	0.56603	ug/L	09/10/10	18:15	
60904-2 1/20	Mg	23194.37890	23082.44726	23306.30859	0.68246	ug/L	09/10/10	18:15	
60904-2 1/20	2Mg	23.18782	23.07592	23.29972	0.68247	mg/L	09/10/10	18:15	
60904-2 1/20	Mn	-0.35027	-0.36322	-0.33732	5.22833	ug/L	09/10/10	18:15	
60904-2 1/20	Mo	-4.00892	-4.25457	-3.76327	8.66566	ug/L	09/10/10	18:15	
60904-2 1/20	Na	238431.00000	237871.15625	238990.85937	0.33206	ug/L	09/10/10	18:15	
60904-2 1/20	Ni	-0.47562	0.11956	-1.07082	176.97265	ug/L	09/10/10	18:15	
60904-2 1/20	Pb	-0.30830	0.00893	-0.62555	145.52003	ug/L	09/10/10	18:15	
60904-2 1/20	Se	-0.68971	-0.32142	-1.05801	75.51631	ug/L	09/10/10	18:15	
60904-2 1/20	Sb	-3.31382	-3.74947	-2.87816	18.59207	ug/L	09/10/10	18:15	
60904-2 1/20	Sn	-0.49120	1.90052	-2.88293	688.59826	ug/L	09/10/10	18:15	
60904-2 1/20	Sr	405.78421	403.49468	408.07373	0.79792	ug/L	09/10/10	18:15	
60904-2 1/20	Ti	0.01539	0.03815	-0.00736	209.07736	ug/L	09/10/10	18:15	
60904-2 1/20	Tl	-2.07613	-2.87823	-1.27403	54.63726	ug/L	09/10/10	18:15	
60904-2 1/20	V	-1.84966	-1.92515	-1.77417	5.77198	ug/L	09/10/10	18:15	
60904-2 1/20	Zn	-0.55372	-0.37808	-0.72937	44.85966	ug/L	09/10/10	18:15	
60904-2 1/20	2203/1	-1.90837	-2.29831	-1.51843	28.89659	ug/L	09/10/10	18:15	
60904-2 1/20	2203/2	0.49052	1.16082	-0.17977	193.25221	ug/L	09/10/10	18:15	
60904-2 1/20	1960/1	0.90163	3.63849	-1.83522	429.27767	ug/L	09/10/10	18:15	
60904-2 1/20	1960/2	-1.48419	-2.29840	-0.66998	77.58203	ug/L	09/10/10	18:15	
60904-2 1/20	Y	971.38159	976.13842	966.62475	0.69253		09/10/10	18:15	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60904-3 1/20	Ag	-0.56724	-0.68990	-0.44458	30.58028	ug/L	09/10/10	18:20	
60904-3 1/20	Al	169.57489	165.83012	173.31964	3.12303	ug/L	09/10/10	18:20	
60904-3 1/20	2Al	0.16957	0.16583	0.17332	3.12303	mg/L	09/10/10	18:20	
60904-3 1/20	As	4.90315	6.92420	2.88210	58.29306	ug/L	09/10/10	18:20	
60904-3 1/20	B	223.71409	224.39741	223.03077	0.43196	ug/L	09/10/10	18:20	
60904-3 1/20	Ba	1.40819	1.35525	1.46112	5.31633	ug/L	09/10/10	18:20	
60904-3 1/20	Be	-0.02807	-0.03493	-0.02120	34.57643	ug/L	09/10/10	18:20	
60904-3 1/20	Ca	4162.47705	4160.19873	4164.75537	0.07740	ug/L	09/10/10	18:20	
60904-3 1/20	Cd	-0.13919	-0.46819	0.18980	334.26025	ug/L	09/10/10	18:20	
60904-3 1/20	Co	0.60566	0.97457	0.23675	86.14035	ug/L	09/10/10	18:20	
60904-3 1/20	Cr	2.01204	2.57531	1.44876	39.59099	ug/L	09/10/10	18:20	
60904-3 1/20	Cu	-0.47143	-0.44943	-0.49343	6.59955	ug/L	09/10/10	18:20	
60904-3 1/20	Fe	17.26349	11.43039	23.09659	47.78437	ug/L	09/10/10	18:20	
60904-3 1/20	2Fe	0.01726	0.01142	0.02309	47.78308	mg/L	09/10/10	18:20	
60904-3 1/20	K	17266.58789	17249.22070	17283.95507	0.14224	ug/L	09/10/10	18:20	
60904-3 1/20	Mg	1850.80419	1848.04370	1853.56481	0.21093	ug/L	09/10/10	18:20	
60904-3 1/20	2Mg	1.85028	1.84752	1.85304	0.21086	mg/L	09/10/10	18:20	
60904-3 1/20	Mn	6.65633	6.74658	6.56608	1.91746	ug/L	09/10/10	18:20	
60904-3 1/20	Mo	-1.08564	0.30958	-2.48087	181.74964	ug/L	09/10/10	18:20	
60904-3 1/20	Na	30740.51953	30649.88476	30831.15234	0.41695	ug/L	09/10/10	18:20	
60904-3 1/20	Ni	1.47500	1.22622	1.72378	23.85278	ug/L	09/10/10	18:20	
60904-3 1/20	Pb	0.71682	0.38584	1.04780	65.29906	ug/L	09/10/10	18:20	
60904-3 1/20	Se	-2.59058	-6.20595	1.02478	197.36517	ug/L	09/10/10	18:20	
60904-3 1/20	Sb	-2.30961	-5.66004	1.04081	205.15185	ug/L	09/10/10	18:20	
60904-3 1/20	Sn	0.66708	-3.37338	4.70755	856.57781	ug/L	09/10/10	18:20	
60904-3 1/20	Sr	30.63241	30.59857	30.66625	0.15623	ug/L	09/10/10	18:20	
60904-3 1/20	Ti	2.26263	2.39756	2.12770	8.43353	ug/L	09/10/10	18:20	
60904-3 1/20	Tl	-3.42575	-2.80737	-4.04413	25.52793	ug/L	09/10/10	18:20	
60904-3 1/20	V	1.24621	0.64844	1.84398	67.83546	ug/L	09/10/10	18:20	
60904-3 1/20	Zn	0.81923	0.71571	0.92275	17.86977	ug/L	09/10/10	18:20	
60904-3 1/20	2203/1	-1.95466	-4.58998	0.68066	190.66770	ug/L	09/10/10	18:20	
60904-3 1/20	2203/2	2.05056	2.87002	1.23110	56.51581	ug/L	09/10/10	18:20	
60904-3 1/20	1960/1	-0.27610	-4.08840	3.53618	1952.64001	ug/L	09/10/10	18:20	
60904-3 1/20	1960/2	-3.74608	-7.26314	-0.22902	132.77519	ug/L	09/10/10	18:20	
60904-3 1/20	Y	997.64776	999.13696	996.15856	0.21110		09/10/10	18:20	
CCV	Ag	510.30868	510.48562	510.13174	0.04903	ug/L	09/10/10	18:35	
CCV	Al	5068.40820	5059.60839	5077.20849	0.24554	ug/L	09/10/10	18:35	
CCV	2Al	5.06822	5.05914	5.07730	0.25339	mg/L	09/10/10	18:35	
CCV	As	517.54803	516.42413	518.67193	0.30710	ug/L	09/10/10	18:35	
CCV	B	5115.52636	5111.93505	5119.11767	0.09928	ug/L	09/10/10	18:35	
CCV	Ba	5163.47949	5164.53125	5162.42724	0.02881	ug/L	09/10/10	18:35	
CCV	Be	514.52569	514.38305	514.66833	0.03920	ug/L	09/10/10	18:35	
CCV	Ca	5119.48046	5116.59765	5122.36376	0.07964	ug/L	09/10/10	18:35	
CCV	Cd	515.46343	515.78826	515.13861	0.08911	ug/L	09/10/10	18:35	
CCV	Co	511.56588	511.45111	511.68066	0.03172	ug/L	09/10/10	18:35	
CCV	Cr	5124.12792	5127.01953	5121.23632	0.07980	ug/L	09/10/10	18:35	
CCV	Cu	5105.07519	5105.21679	5104.93408	0.00391	ug/L	09/10/10	18:35	
CCV	Fe	5156.89941	5153.77246	5160.02587	0.08574	ug/L	09/10/10	18:35	
CCV	2Fe	5.15689	5.15376	5.16001	0.08573	mg/L	09/10/10	18:35	
CCV	K	10052.40332	10046.32910	10058.47753	0.08545	ug/L	09/10/10	18:35	
CCV	Mg	5098.92236	5090.57861	5107.26611	0.23141	ug/L	09/10/10	18:35	
CCV	2Mg	5.09891	5.09057	5.10725	0.23132	mg/L	09/10/10	18:35	
CCV	Mn	5114.19433	5115.08837	5113.30078	0.02471	ug/L	09/10/10	18:35	
CCV	Mo	512.42718	511.10455	513.74981	0.36502	ug/L	09/10/10	18:35	
CCV	Na	7452.38964	7613.36718	7291.41162	3.05481	ug/L	09/10/10	18:35	
CCV	Ni	2559.76220	2561.21826	2558.30590	0.08045	ug/L	09/10/10	18:35	
CCV	Pb	515.47961	514.86145	516.09777	0.16959	ug/L	09/10/10	18:35	
CCV	Se	5176.93896	5180.84179	5173.03613	0.10661	ug/L	09/10/10	18:35	
CCV	Sb	511.00881	510.99899	511.01864	0.00271	ug/L	09/10/10	18:35	
CCV	Sn	5123.15869	5130.02490	5116.29248	0.18953	ug/L	09/10/10	18:35	
CCV	Sr	2637.38549	2637.71337	2637.05761	0.01758	ug/L	09/10/10	18:35	
CCV	Ti	512.44158	512.62890	512.25427	0.05169	ug/L	09/10/10	18:35	
CCV	Tl	5151.55566	5148.19384	5154.91796	0.09229	ug/L	09/10/10	18:35	
CCV	V	5086.00341	5087.97412	5084.03271	0.05479	ug/L	09/10/10	18:35	
CCV	Zn	2562.73144	2562.43920	2563.02392	0.01613	ug/L	09/10/10	18:35	
CCV	2203/1	512.16442	511.12478	513.20410	0.28707	ug/L	09/10/10	18:35	
CCV	2203/2	517.13024	516.72247	517.53802	0.11151	ug/L	09/10/10	18:35	
CCV	1960/1	5131.84179	5131.78222	5131.90136	0.00164	ug/L	09/10/10	18:35	
CCV	1960/2	5199.45361	5205.33447	5193.57275	0.15995	ug/L	09/10/10	18:35	
CCV	Y	998.30834	1001.84954	994.76708	0.50165		09/10/10	18:35	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.15916	0.56113	-0.24280	357.15649	ug/L	09/10/10	18:40	
CCB	Al	15.38544	13.12901	17.64187	20.74084	ug/L	09/10/10	18:40	
CCB	2Al	0.01538	0.01312	0.01764	20.74080	mg/L	09/10/10	18:40	
CCB	As	1.82391	4.47636	-0.82852	205.66265	ug/L	09/10/10	18:40	
CCB	B	-7.84394	-7.32459	-8.36330	9.36356	ug/L	09/10/10	18:40	
CCB	Ba	1.23158	0.06103	2.40212	134.41288	ug/L	09/10/10	18:40	
CCB	Be	0.09002	-0.02679	0.20683	183.50875	ug/L	09/10/10	18:40	
CCB	Ca	3.85144	2.00833	5.69456	67.67749	ug/L	09/10/10	18:40	
CCB	Cd	0.29109	0.21896	0.36323	35.04634	ug/L	09/10/10	18:40	
CCB	Co	-0.25649	-0.58859	0.07559	183.10310	ug/L	09/10/10	18:40	
CCB	Cr	1.00585	-0.48351	2.49521	209.40301	ug/L	09/10/10	18:40	
CCB	Cu	1.09682	0.15330	2.04033	121.65415	ug/L	09/10/10	18:40	
CCB	Fe	7.81750	8.39747	7.23754	10.49176	ug/L	09/10/10	18:40	
CCB	2Fe	0.00781	0.00839	0.00723	10.48831	mg/L	09/10/10	18:40	
CCB	K	9.25218	8.18904	10.31532	16.25029	ug/L	09/10/10	18:40	
CCB	Mg	4.89296	4.87919	4.90674	0.39812	ug/L	09/10/10	18:40	
CCB	2Mg	0.00489	0.00487	0.00490	0.41639	mg/L	09/10/10	18:40	
CCB	Mn	1.12518	-0.02642	2.27679	144.74266	ug/L	09/10/10	18:40	
CCB	Mo	-2.50061	-2.79275	-2.20848	16.52160	ug/L	09/10/10	18:40	
CCB	Na	24.92170	-80.40383	130.24725	597.68304	ug/L	09/10/10	18:40	
CCB	Ni	1.46579	0.74935	2.18222	69.12264	ug/L	09/10/10	18:40	
CCB	Pb	0.13610	-0.62379	0.89600	789.57910	ug/L	09/10/10	18:40	
CCB	Se	-0.71478	-1.62999	0.20043	181.07757	ug/L	09/10/10	18:40	
CCB	Sb	3.84186	6.19322	1.49050	86.55499	ug/L	09/10/10	18:40	
CCB	Sn	1.04322	1.04816	1.03829	0.66872	ug/L	09/10/10	18:40	
CCB	Sr	0.56869	-0.02219	1.15959	146.94033	ug/L	09/10/10	18:40	
CCB	Ti	0.10465	-0.01480	0.22412	161.43072	ug/L	09/10/10	18:40	
CCB	Tl	8.70773	10.20918	7.20627	24.38493	ug/L	09/10/10	18:40	
CCB	V	0.87185	-0.06984	1.81355	152.75148	ug/L	09/10/10	18:40	
CCB	Zn	0.42985	0.04134	0.81837	127.81846	ug/L	09/10/10	18:40	
CCB	2203/1	3.16749	6.36713	-0.03215	142.85707	ug/L	09/10/10	18:40	
CCB	2203/2	-1.37731	-4.11401	1.35938	281.00152	ug/L	09/10/10	18:40	
CCB	1960/1	8.11721	8.85078	7.38365	12.78048	ug/L	09/10/10	18:40	
CCB	1960/2	-5.12416	-6.86253	-3.38579	47.97715	ug/L	09/10/10	18:40	
CCB	Y	973.30078	974.84075	971.76074	0.22376		09/10/10	18:40	
37053-1 1/20	Ag	-0.79054	-0.79003	-0.79105	0.09120	ug/L	09/10/10	18:45	
37053-1 1/20	Al	14.71164	13.06591	16.35737	15.82022	ug/L	09/10/10	18:45	
37053-1 1/20	2Al	0.01471	0.01306	0.01635	15.82020	mg/L	09/10/10	18:45	
37053-1 1/20	As	1.82558	-0.43981	4.09098	175.49200	ug/L	09/10/10	18:45	
37053-1 1/20	B	74.86137	75.60749	74.11524	1.40951	ug/L	09/10/10	18:45	
37053-1 1/20	Ba	0.28847	-0.01155	0.58851	147.08535	ug/L	09/10/10	18:45	
37053-1 1/20	Be	-0.03970	-0.07065	-0.00874	110.25836	ug/L	09/10/10	18:45	
37053-1 1/20	Ca	8193.47656	8215.59179	8171.36035	0.38172	ug/L	09/10/10	18:45	
37053-1 1/20	Cd	-0.16930	-0.31617	-0.02242	122.69032	ug/L	09/10/10	18:45	
37053-1 1/20	Co	-0.28833	-0.05302	-0.52365	115.41326	ug/L	09/10/10	18:45	
37053-1 1/20	Cr	0.44360	-0.06548	0.95269	162.29956	ug/L	09/10/10	18:45	
37053-1 1/20	Cu	0.10336	-0.46992	0.67666	784.33532	ug/L	09/10/10	18:45	
37053-1 1/20	Fe	7.00220	-4.62766	18.63207	234.88499	ug/L	09/10/10	18:45	
37053-1 1/20	2Fe	0.00700	-0.00462	0.01862	234.88885	mg/L	09/10/10	18:45	
37053-1 1/20	K	9474.84960	9512.55175	9437.14746	0.56274	ug/L	09/10/10	18:45	
37053-1 1/20	Mg	26255.96289	26339.54296	26172.38281	0.45018	ug/L	09/10/10	18:45	
37053-1 1/20	2Mg	26.24855	26.33210	26.16499	0.45019	mg/L	09/10/10	18:45	
37053-1 1/20	Mn	-0.03589	-0.33489	0.26310	1177.90222	ug/L	09/10/10	18:45	
37053-1 1/20	Mo	-2.08765	-2.69903	-1.47626	41.41628	ug/L	09/10/10	18:45	
37053-1 1/20	Na	247423.56250	247143.01562	247704.09375	0.16034	ug/L	09/10/10	18:45	
37053-1 1/20	Ni	0.18922	0.02237	0.35607	124.69863	ug/L	09/10/10	18:45	
37053-1 1/20	Pb	-0.16084	-0.06891	-0.25277	80.82573	ug/L	09/10/10	18:45	
37053-1 1/20	Se	-0.81181	-3.51200	1.88836	470.38067	ug/L	09/10/10	18:45	
37053-1 1/20	Sb	0.70861	1.05303	0.36419	68.73824	ug/L	09/10/10	18:45	
37053-1 1/20	Sn	0.95671	0.10640	1.80703	125.69263	ug/L	09/10/10	18:45	
37053-1 1/20	Sr	160.22052	160.51109	159.92994	0.25647	ug/L	09/10/10	18:45	
37053-1 1/20	Ti	0.14039	0.01271	0.26807	128.60908	ug/L	09/10/10	18:45	
37053-1 1/20	Tl	-2.05378	-1.17639	-2.93118	60.41614	ug/L	09/10/10	18:45	
37053-1 1/20	V	-0.49832	-0.74873	-0.24792	71.06182	ug/L	09/10/10	18:45	
37053-1 1/20	Zn	0.24074	-0.03574	0.51724	162.42172	ug/L	09/10/10	18:45	
37053-1 1/20	2203/1	-0.90984	-0.74085	-1.07884	26.26795	ug/L	09/10/10	18:45	
37053-1 1/20	2203/2	0.21309	0.26654	0.15964	35.47216	ug/L	09/10/10	18:45	
37053-1 1/20	1960/1	-0.23127	-0.06435	-0.39819	102.07138	ug/L	09/10/10	18:45	
37053-1 1/20	1960/2	-1.10165	-5.23324	3.02993	530.37792	ug/L	09/10/10	18:45	
37053-1 1/20	Y	991.86682	993.32867	990.40502	0.20842		09/10/10	18:45	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
37053-1S 1/20	Ag	0.15814	-0.39465	0.71094	494.34143	ug/L	09/10/10	18:51	
37053-1S 1/20	Al	48.54411	49.68267	47.40555	3.31691	ug/L	09/10/10	18:51	
37053-1S 1/20	2Al	0.04854	0.04968	0.04740	3.31692	mg/L	09/10/10	18:51	
37053-1S 1/20	As	43.17543	44.92963	41.42123	5.74588	ug/L	09/10/10	18:51	
37053-1S 1/20	B	90.08539	90.62271	89.54807	0.84352	ug/L	09/10/10	18:51	
37053-1S 1/20	Ba	25.95122	25.79005	26.11239	0.87830	ug/L	09/10/10	18:51	
37053-1S 1/20	Be	0.95252	0.91105	0.99399	6.15700	ug/L	09/10/10	18:51	
37053-1S 1/20	Ca	7841.46679	7828.68798	7854.24560	0.23046	ug/L	09/10/10	18:51	
37053-1S 1/20	Cd	0.90584	0.70319	1.10848	31.63725	ug/L	09/10/10	18:51	
37053-1S 1/20	Co	9.58245	9.68410	9.48079	1.50029	ug/L	09/10/10	18:51	
37053-1S 1/20	Cr	3.39638	2.97656	3.81620	17.48089	ug/L	09/10/10	18:51	
37053-1S 1/20	Cu	4.49897	4.15596	4.84197	10.78202	ug/L	09/10/10	18:51	
37053-1S 1/20	Fe	17.74603	19.42168	16.07038	13.35357	ug/L	09/10/10	18:51	
37053-1S 1/20	2Fe	0.01774	0.01942	0.01607	13.35048	mg/L	09/10/10	18:51	
37053-1S 1/20	K	8942.11718	8919.09667	8965.13769	0.36407	ug/L	09/10/10	18:51	
37053-1S 1/20	Mg	24894.35351	24841.66796	24947.03906	0.29929	ug/L	09/10/10	18:51	
37053-1S 1/20	2Mg	24.88732	24.83465	24.93999	0.29930	mg/L	09/10/10	18:51	
37053-1S 1/20	Mn	10.02761	9.78981	10.26541	3.35373	ug/L	09/10/10	18:51	
37053-1S 1/20	Mo	7.90562	6.89097	8.92028	18.15087	ug/L	09/10/10	18:51	
37053-1S 1/20	Na	232243.21875	232604.70312	231881.71875	0.22012	ug/L	09/10/10	18:51	
37053-1S 1/20	Ni	9.55643	8.94630	10.16656	9.02898	ug/L	09/10/10	18:51	
37053-1S 1/20	Pb	8.29203	8.95675	7.62732	11.33681	ug/L	09/10/10	18:51	
37053-1S 1/20	Se	41.14817	41.60586	40.69046	1.57306	ug/L	09/10/10	18:51	
37053-1S 1/20	Sb	8.59914	6.01483	11.18344	42.50142	ug/L	09/10/10	18:51	
37053-1S 1/20	Sn	19.87564	21.11183	18.63945	8.79588	ug/L	09/10/10	18:51	
37053-1S 1/20	Sr	160.22209	159.77139	160.67279	0.39781	ug/L	09/10/10	18:51	
37053-1S 1/20	Ti	13.73066	13.74297	13.71834	0.12683	ug/L	09/10/10	18:51	
37053-1S 1/20	Tl	37.66080	34.33982	40.98178	12.47073	ug/L	09/10/10	18:51	
37053-1S 1/20	V	8.92204	8.44189	9.40219	7.61073	ug/L	09/10/10	18:51	
37053-1S 1/20	Zn	10.45195	10.31318	10.59073	1.87770	ug/L	09/10/10	18:51	
37053-1S 1/20	2203/1	5.31023	4.55336	6.06711	20.15697	ug/L	09/10/10	18:51	
37053-1S 1/20	2203/2	9.78070	11.15515	8.40625	19.87345	ug/L	09/10/10	18:51	
37053-1S 1/20	1960/1	41.99482	40.09859	43.89105	6.38572	ug/L	09/10/10	18:51	
37053-1S 1/20	1960/2	40.72507	42.35797	39.09217	5.67039	ug/L	09/10/10	18:51	
37053-1S 1/20	Y	978.75720	981.79034	975.72412	0.43825		09/10/10	18:51	
37053-1SD 1/20	Ag	1.62152	1.26282	1.98022	31.28407	ug/L	09/10/10	18:56	
37053-1SD 1/20	Al	56.83471	58.26375	55.40567	3.55586	ug/L	09/10/10	18:56	
37053-1SD 1/20	2Al	0.05683	0.05826	0.05540	3.55587	mg/L	09/10/10	18:56	
37053-1SD 1/20	As	43.36550	46.07340	40.65760	8.83086	ug/L	09/10/10	18:56	
37053-1SD 1/20	B	94.91217	95.74723	94.07709	1.24427	ug/L	09/10/10	18:56	
37053-1SD 1/20	Ba	29.91992	29.79599	30.04385	0.58578	ug/L	09/10/10	18:56	
37053-1SD 1/20	Be	1.01928	1.01806	1.02051	0.16996	ug/L	09/10/10	18:56	
37053-1SD 1/20	Ca	8276.45703	8268.47558	8284.43847	0.13638	ug/L	09/10/10	18:56	
37053-1SD 1/20	Cd	1.26024	1.45187	1.06860	21.50478	ug/L	09/10/10	18:56	
37053-1SD 1/20	Co	10.22531	10.82689	9.62373	8.32017	ug/L	09/10/10	18:56	
37053-1SD 1/20	Cr	3.80669	3.59943	4.01395	7.69975	ug/L	09/10/10	18:56	
37053-1SD 1/20	Cu	5.37498	5.72514	5.02482	9.21302	ug/L	09/10/10	18:56	
37053-1SD 1/20	Fe	30.86082	24.21324	37.50839	30.46285	ug/L	09/10/10	18:56	
37053-1SD 1/20	2Fe	0.03086	0.02421	0.03750	30.45778	mg/L	09/10/10	18:56	
37053-1SD 1/20	K	9520.57617	9515.10546	9526.04785	0.08127	ug/L	09/10/10	18:56	
37053-1SD 1/20	Mg	26336.42187	26309.09375	26363.75195	0.14675	ug/L	09/10/10	18:56	
37053-1SD 1/20	2Mg	26.32898	26.30166	26.35630	0.14674	mg/L	09/10/10	18:56	
37053-1SD 1/20	Mn	10.31622	10.31653	10.31590	0.00435	ug/L	09/10/10	18:56	
37053-1SD 1/20	Mo	8.65316	8.69605	8.61026	0.70102	ug/L	09/10/10	18:56	
37053-1SD 1/20	Na	247440.03125	247081.45312	247798.60937	0.20494	ug/L	09/10/10	18:56	
37053-1SD 1/20	Ni	10.22083	10.30413	10.13753	1.15261	ug/L	09/10/10	18:56	
37053-1SD 1/20	Pb	9.91441	10.09155	9.73727	2.52677	ug/L	09/10/10	18:56	
37053-1SD 1/20	Se	43.29438	44.60274	41.98602	4.27376	ug/L	09/10/10	18:56	
37053-1SD 1/20	Sb	14.07167	12.12589	16.01745	19.55523	ug/L	09/10/10	18:56	
37053-1SD 1/20	Sn	22.59287	23.11635	22.06938	3.27678	ug/L	09/10/10	18:56	
37053-1SD 1/20	Sr	169.34387	169.32197	169.36578	0.01829	ug/L	09/10/10	18:56	
37053-1SD 1/20	Ti	14.31040	14.25786	14.36295	0.51930	ug/L	09/10/10	18:56	
37053-1SD 1/20	Tl	42.89429	43.99380	41.79479	3.62503	ug/L	09/10/10	18:56	
37053-1SD 1/20	V	9.66038	9.66077	9.65998	0.00582	ug/L	09/10/10	18:56	
37053-1SD 1/20	Zn	11.98332	12.05115	11.91549	0.80050	ug/L	09/10/10	18:56	
37053-1SD 1/20	2203/1	11.78589	9.83951	13.73227	23.35503	ug/L	09/10/10	18:56	
37053-1SD 1/20	2203/2	8.98008	10.21739	7.74277	19.48558	ug/L	09/10/10	18:56	
37053-1SD 1/20	1960/1	45.29804	50.39166	40.20444	15.90234	ug/L	09/10/10	18:56	
37053-1SD 1/20	1960/2	42.29363	41.71220	42.87505	1.94417	ug/L	09/10/10	18:56	
37053-1SD 1/20	Y	973.27337	976.16186	970.38488	0.41971		09/10/10	18:56	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
37053-2	Ag	0.26039	0.23961	0.28118	11.28946	ug/L	09/10/10	19:01	
37053-2	Al	19.34210	23.50813	15.17607	30.46026	ug/L	09/10/10	19:01	
37053-2	2Al	0.01934	0.02350	0.01517	30.46026	mg/L	09/10/10	19:01	
37053-2	As	1.16850	0.37914	1.95787	95.53496	ug/L	09/10/10	19:01	
37053-2	B	-12.78034	-11.57693	-13.98375	13.31638	ug/L	09/10/10	19:01	
37053-2	Ba	0.04667	0.03126	0.06209	46.71374	ug/L	09/10/10	19:01	
37053-2	Be	-0.04898	-0.04832	-0.04964	1.90522	ug/L	09/10/10	19:01	
37053-2	Ca	89.87036	89.99485	89.74588	0.19589	ug/L	09/10/10	19:01	
37053-2	Cd	-0.14866	-0.20550	-0.09182	54.06843	ug/L	09/10/10	19:01	
37053-2	Co	0.99018	0.91013	1.07023	11.43272	ug/L	09/10/10	19:01	
37053-2	Cr	-0.15656	0.09567	-0.40879	227.84156	ug/L	09/10/10	19:01	
37053-2	Cu	209.30712	209.45120	209.16307	0.09734	ug/L	09/10/10	19:01	
37053-2	Fe	85.37805	78.98503	91.77106	10.58947	ug/L	09/10/10	19:01	
37053-2	2Fe	0.08536	0.07897	0.09175	10.58954	mg/L	09/10/10	19:01	
37053-2	K	13.54182	18.20169	8.88196	48.66437	ug/L	09/10/10	19:01	
37053-2	Mg	26.97533	30.26754	23.68312	17.25980	ug/L	09/10/10	19:01	
37053-2	2Mg	0.02695	0.03024	0.02366	17.27502	mg/L	09/10/10	19:01	
37053-2	Mn	1.55884	1.63065	1.48703	6.51514	ug/L	09/10/10	19:01	
37053-2	Mo	-2.32829	-2.19013	-2.46645	8.39173	ug/L	09/10/10	19:01	
37053-2	Na	178.64038	45.49953	311.78121	105.40146	ug/L	09/10/10	19:01	
37053-2	Ni	0.42919	0.23048	0.62791	65.47517	ug/L	09/10/10	19:01	
37053-2	Pb	5.04660	4.72774	5.36546	8.93549	ug/L	09/10/10	19:01	
37053-2	Se	-2.62522	-0.48862	-4.76182	115.09894	ug/L	09/10/10	19:01	
37053-2	Sb	1.38471	1.91096	0.85846	53.74606	ug/L	09/10/10	19:01	
37053-2	Sn	2.42551	1.96012	2.89090	27.13464	ug/L	09/10/10	19:01	
37053-2	Sr	0.24040	0.27533	0.20547	20.54784	ug/L	09/10/10	19:01	
37053-2	Ti	-0.04844	-0.09181	-0.00507	126.60985	ug/L	09/10/10	19:01	
37053-2	Tl	-0.74769	1.30325	-2.79863	387.92498	ug/L	09/10/10	19:01	
37053-2	V	-0.06644	-0.39588	0.26300	701.23925	ug/L	09/10/10	19:01	
37053-2	Zn	143.06172	142.39440	143.72903	0.65966	ug/L	09/10/10	19:01	
37053-2	2203/1	4.97541	4.10254	5.84828	24.81043	ug/L	09/10/10	19:01	
37053-2	2203/2	5.08214	5.03986	5.12441	1.17635	ug/L	09/10/10	19:01	
37053-2	1960/1	-0.55114	1.69864	-2.80092	577.28918	ug/L	09/10/10	19:01	
37053-2	1960/2	-3.66071	-1.58062	-5.74081	80.35852	ug/L	09/10/10	19:01	
37053-2	Y	1008.10339	1003.06121	1013.14550	0.70733		09/10/10	19:01	
37057-1 1/20	Ag	-0.09078	-0.34411	0.16255	394.65084	ug/L	09/10/10	19:07	
37057-1 1/20	Al	12.47059	14.72106	10.22011	25.52122	ug/L	09/10/10	19:07	
37057-1 1/20	2Al	0.01247	0.01472	0.01022	25.52127	mg/L	09/10/10	19:07	
37057-1 1/20	As	1.38727	0.02703	2.74750	138.66525	ug/L	09/10/10	19:07	
37057-1 1/20	B	42.43158	41.57856	43.28459	2.84303	ug/L	09/10/10	19:07	
37057-1 1/20	Ba	0.14289	-0.00811	0.29390	149.44927	ug/L	09/10/10	19:07	
37057-1 1/20	Be	-0.06481	-0.06657	-0.06306	3.83134	ug/L	09/10/10	19:07	
37057-1 1/20	Ca	6217.28027	6204.09423	6230.46582	0.29993	ug/L	09/10/10	19:07	
37057-1 1/20	Cd	-0.00518	0.03201	-0.04238	1014.11865	ug/L	09/10/10	19:07	
37057-1 1/20	Co	0.12420	-0.07595	0.32435	227.90303	ug/L	09/10/10	19:07	
37057-1 1/20	Cr	-0.56995	-0.39798	-0.74191	42.66928	ug/L	09/10/10	19:07	
37057-1 1/20	Cu	0.62451	0.00152	1.24750	141.07685	ug/L	09/10/10	19:07	
37057-1 1/20	Fe	19.03260	13.04281	25.02239	44.50703	ug/L	09/10/10	19:07	
37057-1 1/20	2Fe	0.01903	0.01304	0.02501	44.50790	mg/L	09/10/10	19:07	
37057-1 1/20	K	6023.73632	6007.79345	6039.67871	0.37429	ug/L	09/10/10	19:07	
37057-1 1/20	Mg	17761.39843	17719.55273	17803.24414	0.33318	ug/L	09/10/10	19:07	
37057-1 1/20	2Mg	17.75637	17.71454	17.79821	0.33317	mg/L	09/10/10	19:07	
37057-1 1/20	Mn	-0.25190	-0.29120	-0.21260	22.06304	ug/L	09/10/10	19:07	
37057-1 1/20	Mo	-1.32301	-2.35243	-0.29360	110.03678	ug/L	09/10/10	19:07	
37057-1 1/20	Na	161321.42187	161090.75000	161552.09375	0.20221	ug/L	09/10/10	19:07	
37057-1 1/20	Ni	0.00932	-0.34128	0.35994	5315.48193	ug/L	09/10/10	19:07	
37057-1 1/20	Pb	0.70272	-1.49185	2.89730	441.65289	ug/L	09/10/10	19:07	
37057-1 1/20	Se	2.53711	0.82738	4.24685	95.30226	ug/L	09/10/10	19:07	
37057-1 1/20	Sb	3.16647	1.61931	4.71363	69.09935	ug/L	09/10/10	19:07	
37057-1 1/20	Sn	1.24617	1.14416	1.34817	11.57606	ug/L	09/10/10	19:07	
37057-1 1/20	Sr	112.28639	112.27476	112.29803	0.01465	ug/L	09/10/10	19:07	
37057-1 1/20	Ti	-0.23783	-0.24701	-0.22866	5.45390	ug/L	09/10/10	19:07	
37057-1 1/20	Tl	-0.46206	1.39382	-2.31794	568.02349	ug/L	09/10/10	19:07	
37057-1 1/20	V	-0.63087	-1.05523	-0.20650	95.12949	ug/L	09/10/10	19:07	
37057-1 1/20	Zn	1.09326	1.15809	1.02843	8.38630	ug/L	09/10/10	19:07	
37057-1 1/20	2203/1	3.34470	0.45734	6.23206	122.08383	ug/L	09/10/10	19:07	
37057-1 1/20	2203/2	-0.61628	-2.46499	1.23242	424.22949	ug/L	09/10/10	19:07	
37057-1 1/20	1960/1	5.40276	3.84487	6.96065	40.77888	ug/L	09/10/10	19:07	
37057-1 1/20	1960/2	1.10644	-0.67910	2.89199	228.22120	ug/L	09/10/10	19:07	
37057-1 1/20	Y	972.35095	975.81011	968.89178	0.50311		09/10/10	19:07	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
37057-2 1/20	Ag	-0.91251	-1.67582	-0.14920	118.29758	ug/L	09/10/10	19:12	
37057-2 1/20	Al	9.32720	6.15930	12.49510	48.03243	ug/L	09/10/10	19:12	
37057-2 1/20	2Al	0.00932	0.00615	0.01249	48.03231	mg/L	09/10/10	19:12	
37057-2 1/20	As	0.05548	-2.54520	2.65616	6629.23876	ug/L	09/10/10	19:12	
37057-2 1/20	B	68.82938	67.73214	69.92662	2.25445	ug/L	09/10/10	19:12	
37057-2 1/20	Ba	-0.05138	-0.13574	0.03298	232.19606	ug/L	09/10/10	19:12	
37057-2 1/20	Be	-0.04925	-0.04549	-0.05302	10.80698	ug/L	09/10/10	19:12	
37057-2 1/20	Ca	8052.55517	8063.35644	8041.75390	0.18969	ug/L	09/10/10	19:12	
37057-2 1/20	Cd	-0.07590	0.05107	-0.20288	236.57929	ug/L	09/10/10	19:12	
37057-2 1/20	Co	-0.31784	-1.14403	0.50834	367.60476	ug/L	09/10/10	19:12	
37057-2 1/20	Cr	-0.48819	-0.74092	-0.23545	73.21299	ug/L	09/10/10	19:12	
37057-2 1/20	Cu	0.01683	-0.55679	0.59046	4818.84326	ug/L	09/10/10	19:12	
37057-2 1/20	Fe	-3.45494	-9.17238	2.26249	234.03233	ug/L	09/10/10	19:12	
37057-2 1/20	2Fe	-0.00345	-0.00917	0.00226	234.03176	mg/L	09/10/10	19:12	
37057-2 1/20	K	9269.26171	9285.53125	9252.99218	0.24822	ug/L	09/10/10	19:12	
37057-2 1/20	Mg	25748.52539	25769.70898	25727.34179	0.11634	ug/L	09/10/10	19:12	
37057-2 1/20	2Mg	25.74125	25.76243	25.72007	0.11635	mg/L	09/10/10	19:12	
37057-2 1/20	Mn	-0.38846	-0.49588	-0.28103	39.10933	ug/L	09/10/10	19:12	
37057-2 1/20	Mo	-2.19457	-2.91211	-1.47704	46.23885	ug/L	09/10/10	19:12	
37057-2 1/20	Na	243493.53125	243935.01562	243052.03125	0.25641	ug/L	09/10/10	19:12	
37057-2 1/20	Ni	1.06000	1.09092	1.02908	4.12485	ug/L	09/10/10	19:12	
37057-2 1/20	Pb	-0.10325	0.08337	-0.28987	255.61578	ug/L	09/10/10	19:12	
37057-2 1/20	Se	-1.84401	-1.51191	-2.17611	25.46976	ug/L	09/10/10	19:12	
37057-2 1/20	Sb	-2.84001	-0.57808	-5.10194	112.63482	ug/L	09/10/10	19:12	
37057-2 1/20	Sn	0.70370	-0.74170	2.14912	290.48007	ug/L	09/10/10	19:12	
37057-2 1/20	Sr	156.66552	157.13087	156.20019	0.42006	ug/L	09/10/10	19:12	
37057-2 1/20	Ti	-0.03053	-0.20064	0.13957	787.90399	ug/L	09/10/10	19:12	
37057-2 1/20	Tl	-3.94011	-5.49168	-2.38855	55.68988	ug/L	09/10/10	19:12	
37057-2 1/20	V	-0.78620	-0.96823	-0.60417	32.74330	ug/L	09/10/10	19:12	
37057-2 1/20	Zn	0.20218	-0.10600	0.51037	215.56498	ug/L	09/10/10	19:12	
37057-2 1/20	2203/1	-2.10559	-3.98488	-0.22631	126.22125	ug/L	09/10/10	19:12	
37057-2 1/20	2203/2	0.89642	2.11445	-0.32160	192.15885	ug/L	09/10/10	19:12	
37057-2 1/20	1960/1	0.74731	-1.37552	2.87015	401.72348	ug/L	09/10/10	19:12	
37057-2 1/20	1960/2	-3.13773	-1.58000	-4.69547	70.20881	ug/L	09/10/10	19:12	
37057-2 1/20	Y	995.55267	995.35333	995.75201	0.02831		09/10/10	19:12	
37507-3 1/20	Ag	-0.21705	-0.39395	-0.04015	115.25744	ug/L	09/10/10	19:17	
37507-3 1/20	Al	13.42031	12.09391	14.74671	13.97737	ug/L	09/10/10	19:17	
37507-3 1/20	2Al	0.01342	0.01209	0.01474	13.97736	mg/L	09/10/10	19:17	
37507-3 1/20	As	-1.91948	-0.25457	-3.58440	122.66541	ug/L	09/10/10	19:17	
37507-3 1/20	B	67.54994	67.47927	67.62061	0.14795	ug/L	09/10/10	19:17	
37507-3 1/20	Ba	-0.02985	-0.04128	-0.01843	54.12710	ug/L	09/10/10	19:17	
37507-3 1/20	Be	-0.06309	-0.05545	-0.07073	17.13080	ug/L	09/10/10	19:17	
37507-3 1/20	Ca	8028.99169	8033.74072	8024.24267	0.08364	ug/L	09/10/10	19:17	
37507-3 1/20	Cd	0.05312	-0.09774	0.20398	401.63342	ug/L	09/10/10	19:17	
37507-3 1/20	Co	-0.90527	-1.10221	-0.70833	30.76535	ug/L	09/10/10	19:17	
37507-3 1/20	Cr	-0.52555	-0.35235	-0.69876	46.60689	ug/L	09/10/10	19:17	
37507-3 1/20	Cu	-0.58067	-0.71757	-0.44378	33.33953	ug/L	09/10/10	19:17	
37507-3 1/20	Fe	2.53802	-11.68624	16.76229	792.59082	ug/L	09/10/10	19:17	
37507-3 1/20	2Fe	0.00253	-0.01168	0.01675	792.71868	mg/L	09/10/10	19:17	
37507-3 1/20	K	9250.83789	9269.46875	9232.20605	0.28482	ug/L	09/10/10	19:17	
37507-3 1/20	Mg	25633.97070	25638.89453	25629.04687	0.02716	ug/L	09/10/10	19:17	
37507-3 1/20	2Mg	25.62673	25.63165	25.62180	0.02717	mg/L	09/10/10	19:17	
37507-3 1/20	Mn	-0.36506	-0.42986	-0.30026	25.10274	ug/L	09/10/10	19:17	
37507-3 1/20	Mo	-1.76786	-1.69426	-1.84146	5.88761	ug/L	09/10/10	19:17	
37507-3 1/20	Na	243133.00000	243770.17187	242495.82812	0.37061	ug/L	09/10/10	19:17	
37507-3 1/20	Ni	1.20065	0.52033	1.88097	80.13227	ug/L	09/10/10	19:17	
37507-3 1/20	Pb	-0.91217	-1.68195	-0.14239	119.34416	ug/L	09/10/10	19:17	
37507-3 1/20	Se	0.31980	1.58477	-0.94516	559.38092	ug/L	09/10/10	19:17	
37507-3 1/20	Sb	2.59898	2.12257	3.07538	25.92316	ug/L	09/10/10	19:17	
37507-3 1/20	Sn	-1.39995	-0.65914	-2.14075	74.83556	ug/L	09/10/10	19:17	
37507-3 1/20	Sr	157.10125	157.48120	156.72129	0.34202	ug/L	09/10/10	19:17	
37507-3 1/20	Ti	-0.15965	-0.19273	-0.12657	29.30486	ug/L	09/10/10	19:17	
37507-3 1/20	Tl	-1.95950	-3.25676	-0.66224	93.62573	ug/L	09/10/10	19:17	
37507-3 1/20	V	-1.04252	-1.28444	-0.80060	32.81687	ug/L	09/10/10	19:17	
37507-3 1/20	Zn	-0.09630	-0.02547	-0.16714	104.01432	ug/L	09/10/10	19:17	
37507-3 1/20	2203/1	1.26331	3.34713	-0.82049	233.27168	ug/L	09/10/10	19:17	
37507-3 1/20	2203/2	-1.99829	-4.19272	0.19614	155.30253	ug/L	09/10/10	19:17	
37507-3 1/20	1960/1	5.75406	7.79944	3.70868	50.27066	ug/L	09/10/10	19:17	
37507-3 1/20	1960/2	-2.39324	-1.51789	-3.26860	51.72611	ug/L	09/10/10	19:17	
37507-3 1/20	Y	968.93481	968.18823	969.68133	0.10896		09/10/10	19:17	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60903-1	Ag	-0.88366	-0.93564	-0.83167	8.31983	ug/L	09/10/10	19:23	
60903-1	Al	7.29249	3.64863	10.93634	70.66429	ug/L	09/10/10	19:23	
60903-1	2Al	0.00729	0.00364	0.01093	70.66435	mg/L	09/10/10	19:23	
60903-1	As	20.24349	16.90992	23.57706	23.28837	ug/L	09/10/10	19:23	
60903-1	B	16.23267	16.40726	16.05808	1.52105	ug/L	09/10/10	19:23	
60903-1	Ba	67.71948	67.71421	67.72476	0.01101	ug/L	09/10/10	19:23	
60903-1	Be	-0.02506	-0.03367	-0.01644	48.60631	ug/L	09/10/10	19:23	
60903-1	Ca	27776.16406	27749.06054	27803.26757	0.13799	ug/L	09/10/10	19:23	
60903-1	Cd	-0.27399	-0.33971	-0.20826	33.92378	ug/L	09/10/10	19:23	
60903-1	Co	-0.98471	-1.69000	-0.27942	101.29154	ug/L	09/10/10	19:23	
60903-1	Cr	-0.28351	-0.53064	-0.03638	123.26979	ug/L	09/10/10	19:23	
60903-1	Cu	-0.21698	-0.34269	-0.09127	81.93150	ug/L	09/10/10	19:23	
60903-1	Fe	165.74206	160.19908	171.28504	4.72961	ug/L	09/10/10	19:23	
60903-1	2Fe	0.16572	0.16017	0.17126	4.72977	mg/L	09/10/10	19:23	
60903-1	K	4049.27099	4048.66528	4049.87646	0.02115	ug/L	09/10/10	19:23	
60903-1	Mg	9746.22460	9734.07910	9758.36914	0.17622	ug/L	09/10/10	19:23	
60903-1	2Mg	9.74344	9.73130	9.75558	0.17621	mg/L	09/10/10	19:23	
60903-1	Mn	5.36998	5.31900	5.42095	1.34237	ug/L	09/10/10	19:23	
60903-1	Mo	27.60145	27.28460	27.91831	1.62346	ug/L	09/10/10	19:23	
60903-1	Na	20491.78125	20565.74609	20417.81835	0.51045	ug/L	09/10/10	19:23	
60903-1	Ni	0.33458	-0.20967	0.87885	230.04560	ug/L	09/10/10	19:23	
60903-1	Pb	0.02949	0.19471	-0.13572	792.07385	ug/L	09/10/10	19:23	
60903-1	Se	57.08059	65.66149	48.49969	21.25981	ug/L	09/10/10	19:23	
60903-1	Sb	-1.55116	-1.50788	-1.59444	3.94585	ug/L	09/10/10	19:23	
60903-1	Sn	0.73710	-0.08773	1.56194	158.25526	ug/L	09/10/10	19:23	
60903-1	Sr	4050.94653	4048.78491	4053.10815	0.07546	ug/L	09/10/10	19:23	
60903-1	Ti	-0.30242	-0.48711	-0.11773	86.36473	ug/L	09/10/10	19:23	
60903-1	Tl	-4.93304	-4.67035	-5.19574	7.53100	ug/L	09/10/10	19:23	
60903-1	V	-0.40722	-0.41569	-0.39875	2.94093	ug/L	09/10/10	19:23	
60903-1	Zn	0.43064	0.09805	0.76324	109.22213	ug/L	09/10/10	19:23	
60903-1	2203/1	-0.34907	1.09834	-1.79648	586.39447	ug/L	09/10/10	19:23	
60903-1	2203/2	0.21850	-0.25641	0.69341	307.38079	ug/L	09/10/10	19:23	
60903-1	1960/1	59.13531	64.46562	53.80500	12.74736	ug/L	09/10/10	19:23	
60903-1	1960/2	56.05477	66.25853	45.85100	25.74321	ug/L	09/10/10	19:23	
60903-1	Y	1005.68786	998.26141	1013.11425	1.04431		09/10/10	19:23	
60903-1S	Ag	44.18498	44.39470	43.97526	0.67123	ug/L	09/10/10	19:28	
60903-1S	Al	2094.80834	2076.73901	2112.87768	1.21986	ug/L	09/10/10	19:28	
60903-1S	2Al	2.09486	2.07679	2.11293	1.21987	mg/L	09/10/10	19:28	
60903-1S	As	2173.52490	2168.50878	2178.54077	0.32636	ug/L	09/10/10	19:28	
60903-1S	B	1092.85388	1090.31115	1095.39660	0.32904	ug/L	09/10/10	19:28	
60903-1S	Ba	2201.31884	2193.81469	2208.82324	0.48210	ug/L	09/10/10	19:28	
60903-1S	Be	52.85535	52.72890	52.98180	0.33833	ug/L	09/10/10	19:28	
60903-1S	Ca	32528.42773	32404.36132	32652.49414	0.53939	ug/L	09/10/10	19:28	
60903-1S	Cd	52.81667	52.48442	53.14891	0.88961	ug/L	09/10/10	19:28	
60903-1S	Co	532.60620	530.72625	534.48620	0.49918	ug/L	09/10/10	19:28	
60903-1S	Cr	211.32330	210.34191	212.30467	0.65675	ug/L	09/10/10	19:28	
60903-1S	Cu	262.24517	261.17285	263.31750	0.57827	ug/L	09/10/10	19:28	
60903-1S	Fe	1219.64904	1222.78332	1216.51477	0.36342	ug/L	09/10/10	19:28	
60903-1S	2Fe	1.21971	1.22284	1.21658	0.36326	mg/L	09/10/10	19:28	
60903-1S	K	9569.46484	9515.86328	9623.06738	0.79215	ug/L	09/10/10	19:28	
60903-1S	Mg	14806.93261	14765.20703	14848.65820	0.39852	ug/L	09/10/10	19:28	
60903-1S	2Mg	14.80278	14.76106	14.84449	0.39853	mg/L	09/10/10	19:28	
60903-1S	Mn	537.66381	535.71496	539.61273	0.51261	ug/L	09/10/10	19:28	
60903-1S	Mo	546.96630	543.15588	550.77679	0.98521	ug/L	09/10/10	19:28	
60903-1S	Na	25472.71484	25334.16015	25611.27148	0.76924	ug/L	09/10/10	19:28	
60903-1S	Ni	527.10668	526.00439	528.20904	0.29575	ug/L	09/10/10	19:28	
60903-1S	Pb	527.58361	525.24670	529.92047	0.62641	ug/L	09/10/10	19:28	
60903-1S	Se	2092.71337	2088.08496	2097.34155	0.31277	ug/L	09/10/10	19:28	
60903-1S	Sb	506.81283	498.94110	514.68457	2.19653	ug/L	09/10/10	19:28	
60903-1S	Sn	999.32189	991.55999	1007.08374	1.09843	ug/L	09/10/10	19:28	
60903-1S	Sr	4492.24365	4478.19775	4506.28955	0.44218	ug/L	09/10/10	19:28	
60903-1S	Ti	723.48529	720.86022	726.11035	0.51312	ug/L	09/10/10	19:28	
60903-1S	Tl	2161.81445	2155.97485	2167.65380	0.38200	ug/L	09/10/10	19:28	
60903-1S	V	521.04553	518.96289	523.12817	0.56526	ug/L	09/10/10	19:28	
60903-1S	Zn	541.26708	538.39068	544.14343	0.75153	ug/L	09/10/10	19:28	
60903-1S	2203/1	524.52331	523.83660	525.21002	0.18514	ug/L	09/10/10	19:28	
60903-1S	2203/2	529.11145	525.95068	532.27215	0.84480	ug/L	09/10/10	19:28	
60903-1S	1960/1	2082.01660	2081.07031	2082.96264	0.06426	ug/L	09/10/10	19:28	
60903-1S	1960/2	2098.05273	2091.58618	2104.51953	0.43589	ug/L	09/10/10	19:28	
60903-1S	Y	994.55212	1003.60845	985.49572	1.28777		09/10/10	19:28	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60903-1SD	Ag	45.10325	44.62429	45.58221	1.50176	ug/L	09/10/10	19:34	
60903-1SD	Al	2100.27490	2092.84082	2107.70922	0.50057	ug/L	09/10/10	19:34	
60903-1SD	2Al	2.10023	2.09289	2.10757	0.49432	mg/L	09/10/10	19:34	
60903-1SD	As	2186.49316	2181.86010	2191.12646	0.29967	ug/L	09/10/10	19:34	
60903-1SD	B	1114.99438	1112.64660	1117.34228	0.29779	ug/L	09/10/10	19:34	
60903-1SD	Ba	2202.50048	2193.63793	2211.36279	0.56905	ug/L	09/10/10	19:34	
60903-1SD	Be	52.88640	52.71961	53.05320	0.44601	ug/L	09/10/10	19:34	
60903-1SD	Ca	32386.25000	32231.88476	32540.61523	0.67406	ug/L	09/10/10	19:34	
60903-1SD	Cd	52.97021	53.10449	52.83592	0.35852	ug/L	09/10/10	19:34	
60903-1SD	Co	533.95324	531.82366	536.08288	0.56404	ug/L	09/10/10	19:34	
60903-1SD	Cr	212.23635	211.17001	213.30271	0.71055	ug/L	09/10/10	19:34	
60903-1SD	Cu	262.37738	261.44186	263.31289	0.50424	ug/L	09/10/10	19:34	
60903-1SD	Fe	1219.47033	1206.11450	1232.82617	1.54886	ug/L	09/10/10	19:34	
60903-1SD	2Fe	1.21953	1.20618	1.23289	1.54869	mg/L	09/10/10	19:34	
60903-1SD	K	9665.49023	9598.56347	9732.41796	0.97925	ug/L	09/10/10	19:34	
60903-1SD	Mg	14826.02539	14754.47460	14897.57617	0.68250	ug/L	09/10/10	19:34	
60903-1SD	2Mg	14.82187	14.75034	14.89340	0.68247	mg/L	09/10/10	19:34	
60903-1SD	Mn	538.35107	536.43365	540.26843	0.50368	ug/L	09/10/10	19:34	
60903-1SD	Mo	558.61865	554.02819	563.20910	1.16213	ug/L	09/10/10	19:34	
60903-1SD	Na	25474.51171	25316.42187	25632.60156	0.87763	ug/L	09/10/10	19:34	
60903-1SD	Ni	528.67773	525.97198	531.38354	0.72379	ug/L	09/10/10	19:34	
60903-1SD	Pb	525.72521	522.03802	529.41241	0.99186	ug/L	09/10/10	19:34	
60903-1SD	Se	2098.09399	2087.78515	2108.40283	0.69486	ug/L	09/10/10	19:34	
60903-1SD	Sb	514.70385	499.69097	529.71673	4.12497	ug/L	09/10/10	19:34	
60903-1SD	Sn	1017.04553	1010.96697	1023.12402	0.84522	ug/L	09/10/10	19:34	
60903-1SD	Sr	4461.46484	4442.03710	4480.89208	0.61582	ug/L	09/10/10	19:34	
60903-1SD	Ti	738.82257	736.86676	740.77838	0.37437	ug/L	09/10/10	19:34	
60903-1SD	Tl	2169.23754	2158.52905	2179.94604	0.69813	ug/L	09/10/10	19:34	
60903-1SD	V	521.99212	519.32452	524.65972	0.72272	ug/L	09/10/10	19:34	
60903-1SD	Zn	542.03051	539.85284	544.20825	0.56818	ug/L	09/10/10	19:34	
60903-1SD	2203/1	522.61401	516.19531	529.03265	1.73691	ug/L	09/10/10	19:34	
60903-1SD	2203/2	527.27850	524.95501	529.60198	0.62318	ug/L	09/10/10	19:34	
60903-1SD	1960/1	2081.52001	2058.34985	2104.68994	1.57420	ug/L	09/10/10	19:34	
60903-1SD	1960/2	2106.36791	2102.47998	2110.25585	0.26103	ug/L	09/10/10	19:34	
60903-1SD	Y	1001.95117	998.49591	1005.40643	0.48769		09/10/10	19:34	
CCV	Ag	518.94738	518.73181	519.16296	0.05874	ug/L	09/10/10	19:39	
CCV	Al	5178.50000	5172.11425	5184.88574	0.17439	ug/L	09/10/10	19:39	
CCV	2Al	5.17821	5.17182	5.18459	0.17440	mg/L	09/10/10	19:39	
CCV	As	520.24768	518.11126	522.38403	0.58074	ug/L	09/10/10	19:39	
CCV	B	5171.38769	5158.01025	5184.76513	0.36583	ug/L	09/10/10	19:39	
CCV	Ba	5215.84375	5206.07958	5225.60791	0.26474	ug/L	09/10/10	19:39	
CCV	Be	518.72503	517.07592	520.37414	0.44960	ug/L	09/10/10	19:39	
CCV	Ca	5207.13281	5190.26171	5224.00439	0.45821	ug/L	09/10/10	19:39	
CCV	Cd	521.04010	519.30456	522.77563	0.47106	ug/L	09/10/10	19:39	
CCV	Co	518.69134	516.65167	520.73101	0.55611	ug/L	09/10/10	19:39	
CCV	Cr	5182.06298	5162.61572	5201.51025	0.53072	ug/L	09/10/10	19:39	
CCV	Cu	5175.26464	5170.31054	5180.21875	0.13537	ug/L	09/10/10	19:39	
CCV	Fe	5227.83984	5217.84082	5237.83886	0.27048	ug/L	09/10/10	19:39	
CCV	2Fe	5.22783	5.21783	5.23783	0.27049	mg/L	09/10/10	19:39	
CCV	K	10189.31835	10208.46875	10170.16699	0.26580	ug/L	09/10/10	19:39	
CCV	Mg	5202.56201	5183.69335	5221.43066	0.51290	ug/L	09/10/10	19:39	
CCV	2Mg	5.20254	5.18368	5.22141	0.51288	mg/L	09/10/10	19:39	
CCV	Mn	5186.12988	5172.68847	5199.57080	0.36652	ug/L	09/10/10	19:39	
CCV	Mo	522.02783	518.75329	525.30230	0.88708	ug/L	09/10/10	19:39	
CCV	Na	7894.99218	8091.09228	7698.89208	3.51270	ug/L	09/10/10	19:39	
CCV	Ni	2597.35571	2595.92285	2598.78857	0.07801	ug/L	09/10/10	19:39	
CCV	Pb	521.40576	519.64050	523.17108	0.47880	ug/L	09/10/10	19:39	
CCV	Se	5218.16796	5200.03613	5236.30029	0.49141	ug/L	09/10/10	19:39	
CCV	Sb	527.54907	532.25872	522.83935	1.26253	ug/L	09/10/10	19:39	
CCV	Sn	5204.20800	5190.20117	5218.21533	0.38063	ug/L	09/10/10	19:39	
CCV	Sr	2640.18554	2638.66650	2641.70458	0.08136	ug/L	09/10/10	19:39	
CCV	Ti	520.17376	519.24261	521.10491	0.25315	ug/L	09/10/10	19:39	
CCV	Tl	5212.02001	5193.07128	5230.96875	0.51414	ug/L	09/10/10	19:39	
CCV	V	5175.78808	5166.78125	5184.79443	0.24609	ug/L	09/10/10	19:39	
CCV	Zn	2604.86279	2594.94091	2614.78466	0.53867	ug/L	09/10/10	19:39	
CCV	2203/1	528.37329	531.60498	525.14166	0.86496	ug/L	09/10/10	19:39	
CCV	2203/2	517.92272	513.66271	522.18267	1.16320	ug/L	09/10/10	19:39	
CCV	1960/1	5217.43457	5204.46679	5230.40234	0.35149	ug/L	09/10/10	19:39	
CCV	1960/2	5218.53417	5197.82373	5239.24462	0.56124	ug/L	09/10/10	19:39	
CCV	Y	977.74096	976.96710	978.51489	0.11193		09/10/10	19:39	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.38442	0.26084	0.50799	45.45944	ug/L	09/10/10	19:44	
CCB	Al	4.86105	5.55431	4.16780	20.16858	ug/L	09/10/10	19:44	
CCB	2Al	0.00486	0.00555	0.00416	20.16928	mg/L	09/10/10	19:44	
CCB	As	-0.32431	-1.11158	0.46296	343.30349	ug/L	09/10/10	19:44	
CCB	B	-9.56701	-8.39299	-10.74103	17.35458	ug/L	09/10/10	19:44	
CCB	Ba	1.38987	0.01551	2.76423	139.84318	ug/L	09/10/10	19:44	
CCB	Be	0.09480	-0.02789	0.21749	183.03318	ug/L	09/10/10	19:44	
CCB	Ca	6.07418	2.69686	9.45149	78.63195	ug/L	09/10/10	19:44	
CCB	Cd	0.10460	0.03301	0.17618	96.77869	ug/L	09/10/10	19:44	
CCB	Co	0.18414	0.04985	0.31842	103.13309	ug/L	09/10/10	19:44	
CCB	Cr	0.95496	0.12028	1.78964	123.60813	ug/L	09/10/10	19:44	
CCB	Cu	1.12484	-0.07848	2.32816	151.28842	ug/L	09/10/10	19:44	
CCB	Fe	-1.67965	-8.17812	4.81881	547.14953	ug/L	09/10/10	19:44	
CCB	2Fe	-0.00167	-0.00817	0.00481	547.22650	mg/L	09/10/10	19:44	
CCB	K	2.28271	-7.19773	11.76317	587.34313	ug/L	09/10/10	19:44	
CCB	Mg	-0.02033	1.60222	-1.64289	11285.12890	ug/L	09/10/10	19:44	
CCB	2Mg	-0.00001	0.00160	-0.00164	11749.35156	mg/L	09/10/10	19:44	
CCB	Mn	1.09181	-0.02581	2.20944	144.76452	ug/L	09/10/10	19:44	
CCB	Mo	-0.00996	-0.22560	0.20568	3060.77539	ug/L	09/10/10	19:44	
CCB	Na	-14.70023	-67.60130	38.20083	508.92666	ug/L	09/10/10	19:44	
CCB	Ni	-0.34316	-0.79154	0.10520	184.77751	ug/L	09/10/10	19:44	
CCB	Pb	0.37581	1.19947	-0.44785	309.95425	ug/L	09/10/10	19:44	
CCB	Se	1.25586	-0.22959	2.74132	167.27537	ug/L	09/10/10	19:44	
CCB	Sb	1.66849	0.28032	3.05665	117.66082	ug/L	09/10/10	19:44	
CCB	Sn	4.57988	2.51953	6.64023	63.62117	ug/L	09/10/10	19:44	
CCB	Sr	0.82765	0.06502	1.59028	130.31120	ug/L	09/10/10	19:44	
CCB	Ti	0.07200	0.00647	0.13753	128.70545	ug/L	09/10/10	19:44	
CCB	Tl	-0.74260	-2.23556	0.75035	284.32019	ug/L	09/10/10	19:44	
CCB	V	1.23499	-0.59797	3.06796	209.89595	ug/L	09/10/10	19:44	
CCB	Zn	0.94971	0.32332	1.57609	93.27449	ug/L	09/10/10	19:44	
CCB	2203/1	1.07002	-1.51911	3.65915	342.19732	ug/L	09/10/10	19:44	
CCB	2203/2	0.02922	2.55673	-2.49828	12231.61328	ug/L	09/10/10	19:44	
CCB	1960/1	2.19168	0.06245	4.32091	137.39120	ug/L	09/10/10	19:44	
CCB	1960/2	0.78866	-0.37539	1.95271	208.73715	ug/L	09/10/10	19:44	
CCB	Y	975.31372	972.86297	977.76446	0.35536		09/10/10	19:44	
PBW 179535	Ag	0.65502	1.21946	0.09057	121.86493	ug/L	09/10/10	19:50	
PBW 179535	Al	3.37772	6.33428	0.42115	123.78799	ug/L	09/10/10	19:50	
PBW 179535	2Al	0.00337	0.00633	0.00042	123.78799	mg/L	09/10/10	19:50	
PBW 179535	As	-2.00099	-1.95837	-2.04362	3.01225	ug/L	09/10/10	19:50	
PBW 179535	B	-20.96244	-19.72507	-22.19981	8.34779	ug/L	09/10/10	19:50	
PBW 179535	Ba	0.09182	-0.04669	0.23033	213.33451	ug/L	09/10/10	19:50	
PBW 179535	Be	0.00773	-0.00977	0.02525	320.04113	ug/L	09/10/10	19:50	
PBW 179535	Ca	9.32885	9.21697	9.44074	1.69612	ug/L	09/10/10	19:50	
PBW 179535	Cd	0.05746	0.13350	-0.01857	187.13002	ug/L	09/10/10	19:50	
PBW 179535	Co	-0.37206	-0.16822	-0.57589	77.47824	ug/L	09/10/10	19:50	
PBW 179535	Cr	-0.07205	0.05505	-0.19915	249.47308	ug/L	09/10/10	19:50	
PBW 179535	Cu	0.14469	0.32722	-0.03783	178.40496	ug/L	09/10/10	19:50	
PBW 179535	Fe	21.16906	24.09235	18.24577	19.52921	ug/L	09/10/10	19:50	
PBW 179535	2Fe	0.02116	0.02408	0.01824	19.52975	mg/L	09/10/10	19:50	
PBW 179535	K	5.05897	13.08557	-2.96762	224.37986	ug/L	09/10/10	19:50	
PBW 179535	Mg	4.79403	7.97996	1.60810	93.98311	ug/L	09/10/10	19:50	
PBW 179535	2Mg	0.00478	0.00797	0.00160	94.03903	mg/L	09/10/10	19:50	
PBW 179535	Mn	-0.01765	-0.17306	0.13774	1244.47302	ug/L	09/10/10	19:50	
PBW 179535	Mo	-0.51902	-0.69348	-0.34457	47.53373	ug/L	09/10/10	19:50	
PBW 179535	Na	27.45695	142.16264	-87.24872	590.80957	ug/L	09/10/10	19:50	
PBW 179535	Ni	0.91575	0.56247	1.26903	54.55784	ug/L	09/10/10	19:50	
PBW 179535	Pb	0.71633	0.62498	0.80768	18.03444	ug/L	09/10/10	19:50	
PBW 179535	Se	-2.35155	-4.17852	-0.52458	109.87282	ug/L	09/10/10	19:50	
PBW 179535	Sb	1.15284	1.18261	1.12307	3.65199	ug/L	09/10/10	19:50	
PBW 179535	Sn	2.70546	4.19275	1.21818	77.74406	ug/L	09/10/10	19:50	
PBW 179535	Sr	0.07284	-0.04376	0.18945	226.39627	ug/L	09/10/10	19:50	
PBW 179535	Ti	-0.10229	-0.02950	-0.17508	100.62939	ug/L	09/10/10	19:50	
PBW 179535	Tl	-2.81664	0.39345	-6.02675	161.17658	ug/L	09/10/10	19:50	
PBW 179535	V	0.01637	0.02000	0.01274	31.33945	ug/L	09/10/10	19:50	
PBW 179535	Zn	0.02663	-0.24304	0.29631	1431.67639	ug/L	09/10/10	19:50	
PBW 179535	2203/1	4.33520	4.35335	4.31705	0.59200	ug/L	09/10/10	19:50	
PBW 179535	2203/2	-1.09038	-1.23639	-0.94436	18.93811	ug/L	09/10/10	19:50	
PBW 179535	1960/1	6.21005	4.42958	7.99053	40.54660	ug/L	09/10/10	19:50	
PBW 179535	1960/2	-6.62594	-8.47612	-4.77576	39.48943	ug/L	09/10/10	19:50	
PBW 179535	Y	1004.59729	1001.59936	1007.59527	0.42203		09/10/10	19:50	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	54.22629	53.71561	54.73696	1.33183	ug/L	09/10/10	19:55	
LCSW-1	Al	2145.24218	2140.01342	2150.47119	0.34470	ug/L	09/10/10	19:55	
LCSW-1	2Al	2.14529	2.14006	2.15052	0.34470	mg/L	09/10/10	19:55	
LCSW-1	As	2156.83398	2148.54394	2165.12426	0.54357	ug/L	09/10/10	19:55	
LCSW-1	B	1073.60595	1071.47485	1075.73718	0.28072	ug/L	09/10/10	19:55	
LCSW-1	Ba	2203.82739	2198.91918	2208.73559	0.31496	ug/L	09/10/10	19:55	
LCSW-1	Be	53.71538	53.65795	53.77281	0.15120	ug/L	09/10/10	19:55	
LCSW-1	Ca	5413.34033	5408.73193	5417.94873	0.12039	ug/L	09/10/10	19:55	
LCSW-1	Cd	54.54044	54.67328	54.40760	0.34444	ug/L	09/10/10	19:55	
LCSW-1	Co	544.96032	543.48498	546.43572	0.38287	ug/L	09/10/10	19:55	
LCSW-1	Cr	217.33683	217.14625	217.52742	0.12401	ug/L	09/10/10	19:55	
LCSW-1	Cu	267.76119	266.56750	268.95489	0.63046	ug/L	09/10/10	19:55	
LCSW-1	Fe	1090.26489	1080.52795	1100.00170	1.26299	ug/L	09/10/10	19:55	
LCSW-1	2Fe	1.09035	1.08061	1.10009	1.26281	mg/L	09/10/10	19:55	
LCSW-1	K	5391.53759	5388.75439	5394.32080	0.07300	ug/L	09/10/10	19:55	
LCSW-1	Mg	5432.58203	5430.71679	5434.44677	0.04854	ug/L	09/10/10	19:55	
LCSW-1	2Mg	5.43110	5.42924	5.43296	0.04851	mg/L	09/10/10	19:55	
LCSW-1	Mn	543.32891	542.20239	544.45544	0.29321	ug/L	09/10/10	19:55	
LCSW-1	Mo	541.39514	539.07641	543.71386	0.60568	ug/L	09/10/10	19:55	
LCSW-1	Na	5180.52832	5194.70361	5166.35253	0.38697	ug/L	09/10/10	19:55	
LCSW-1	Ni	541.02404	539.77172	542.27642	0.32735	ug/L	09/10/10	19:55	
LCSW-1	Pb	540.83715	539.29730	542.37695	0.40264	ug/L	09/10/10	19:55	
LCSW-1	Se	2185.75097	2184.28295	2187.21899	0.09498	ug/L	09/10/10	19:55	
LCSW-1	Sb	541.18481	540.07946	542.29010	0.28883	ug/L	09/10/10	19:55	
LCSW-1	Sn	1083.35705	1080.96179	1085.75231	0.31267	ug/L	09/10/10	19:55	
LCSW-1	Sr	562.49267	560.83514	564.15020	0.41673	ug/L	09/10/10	19:55	
LCSW-1	Ti	757.14147	755.98059	758.30230	0.21682	ug/L	09/10/10	19:55	
LCSW-1	Tl	2242.12158	2229.76562	2254.47778	0.77935	ug/L	09/10/10	19:55	
LCSW-1	V	533.43115	532.38964	534.47265	0.27611	ug/L	09/10/10	19:55	
LCSW-1	Zn	549.11590	548.99108	549.24072	0.03214	ug/L	09/10/10	19:55	
LCSW-1	2203/1	539.55627	534.29846	544.81414	1.37811	ug/L	09/10/10	19:55	
LCSW-1	2203/2	541.47656	541.79296	541.16015	0.08263	ug/L	09/10/10	19:55	
LCSW-1	1960/1	2173.39575	2156.93310	2189.85839	1.07121	ug/L	09/10/10	19:55	
LCSW-1	1960/2	2191.91870	2197.93676	2185.90063	0.38828	ug/L	09/10/10	19:55	
LCSW-1	Y	976.02899	978.42108	973.63690	0.34660		09/10/10	19:55	
60958-1	Ag	-0.52029	-0.84192	-0.19866	87.42152	ug/L	09/10/10	20:00	
60958-1	Al	139.29682	142.86296	135.73069	3.62052	ug/L	09/10/10	20:00	
60958-1	2Al	0.13930	0.14286	0.13573	3.62051	mg/L	09/10/10	20:00	
60958-1	As	13.98948	16.47931	11.49965	25.16997	ug/L	09/10/10	20:00	
60958-1	B	5056.61474	5086.24072	5026.98876	0.82856	ug/L	09/10/10	20:00	
60958-1	Ba	9.70125	9.45614	9.94637	3.57318	ug/L	09/10/10	20:00	
60958-1	Be	-0.05751	-0.07271	-0.04231	37.38228	ug/L	09/10/10	20:00	
60958-1	Ca	6368.72753	6404.79345	6332.66210	0.80085	ug/L	09/10/10	20:00	
60958-1	Cd	-0.11806	-0.12628	-0.10984	9.84262	ug/L	09/10/10	20:00	
60958-1	Co	1.19147	1.03614	1.34680	18.43699	ug/L	09/10/10	20:00	
60958-1	Cr	0.37913	0.27861	0.47964	37.49505	ug/L	09/10/10	20:00	
60958-1	Cu	3.43978	3.09765	3.78191	14.06613	ug/L	09/10/10	20:00	
60958-1	Fe	78.73761	73.35401	84.12121	9.66952	ug/L	09/10/10	20:00	
60958-1	2Fe	0.07872	0.07334	0.08411	9.66964	mg/L	09/10/10	20:00	
60958-1	K	136325.18750	137040.75000	135609.62500	0.74231	ug/L	09/10/10	20:00	
60958-1	Mg	730.63989	732.60369	728.67608	0.38011	ug/L	09/10/10	20:00	
60958-1	2Mg	0.73042	0.73239	0.72846	0.38030	mg/L	09/10/10	20:00	
60958-1	Mn	19.26775	19.33220	19.20330	0.47305	ug/L	09/10/10	20:00	
60958-1	Mo	31.75572	31.59530	31.91615	0.71444	ug/L	09/10/10	20:00	
60958-1	Na	151066.75000	152201.06250	149932.45312	1.06188	ug/L	09/10/10	20:00	
60958-1	Ni	6.71366	6.55282	6.87449	3.38794	ug/L	09/10/10	20:00	
60958-1	Pb	1.07314	1.36766	0.77861	38.81291	ug/L	09/10/10	20:00	
60958-1	Se	-3.95286	-5.18531	-2.72041	44.09341	ug/L	09/10/10	20:00	
60958-1	Sb	2.74838	3.75337	1.74340	51.71251	ug/L	09/10/10	20:00	
60958-1	Sn	-0.87727	-2.61928	0.86472	280.82012	ug/L	09/10/10	20:00	
60958-1	Sr	41.64210	41.84394	41.44025	0.68549	ug/L	09/10/10	20:00	
60958-1	Ti	0.60501	0.42547	0.78454	41.96656	ug/L	09/10/10	20:00	
60958-1	Tl	-2.78098	-0.05974	-5.50222	138.38337	ug/L	09/10/10	20:00	
60958-1	V	0.26698	-0.17347	0.70744	233.30763	ug/L	09/10/10	20:00	
60958-1	Zn	32.28377	32.06628	32.50126	0.95272	ug/L	09/10/10	20:00	
60958-1	2203/1	3.32576	3.35541	3.29611	1.26083	ug/L	09/10/10	20:00	
60958-1	2203/2	-0.05147	0.37528	-0.47823	1172.36230	ug/L	09/10/10	20:00	
60958-1	1960/1	-2.02046	-4.92102	0.88008	203.02212	ug/L	09/10/10	20:00	
60958-1	1960/2	-4.91761	-5.31726	-4.51795	11.49334	ug/L	09/10/10	20:00	
60958-1	Y	991.83557	986.97320	996.69793	0.69330		09/10/10	20:00	

0091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60958-1L	Ag	-0.71617	-1.08599	-0.34635	73.02815	ug/L	09/10/10	20:06	
60958-1L	Al	27.54941	28.50581	26.59302	4.90953	ug/L	09/10/10	20:06	
60958-1L	2Al	0.02755	0.02850	0.02659	4.90956	mg/L	09/10/10	20:06	
60958-1L	As	5.71360	4.77250	6.65470	23.29374	ug/L	09/10/10	20:06	
60958-1L	B	1002.51074	1008.01568	997.00585	0.77656	ug/L	09/10/10	20:06	
60958-1L	Ba	1.82710	1.71358	1.94063	8.78724	ug/L	09/10/10	20:06	
60958-1L	Be	-0.03283	-0.03817	-0.02750	22.96238	ug/L	09/10/10	20:06	
60958-1L	Ca	1299.83520	1305.46960	1294.20080	0.61301	ug/L	09/10/10	20:06	
60958-1L	Cd	-0.13325	0.00685	-0.27335	148.69467	ug/L	09/10/10	20:06	
60958-1L	Co	-0.21516	-0.41850	-0.01181	133.65356	ug/L	09/10/10	20:06	
60958-1L	Cr	-0.21517	-0.57210	0.14174	234.57904	ug/L	09/10/10	20:06	
60958-1L	Cu	0.90376	1.10014	0.70738	30.73017	ug/L	09/10/10	20:06	
60958-1L	Fe	16.74531	13.91697	19.57364	23.88649	ug/L	09/10/10	20:06	
60958-1L	2Fe	0.01674	0.01391	0.01957	23.88740	mg/L	09/10/10	20:06	
60958-1L	K	29646.50000	29756.66796	29536.33007	0.52553	ug/L	09/10/10	20:06	
60958-1L	Mg	150.67898	152.61874	148.73922	1.82058	ug/L	09/10/10	20:06	
60958-1L	2Mg	0.15063	0.15257	0.14869	1.82107	mg/L	09/10/10	20:06	
60958-1L	Mn	3.68258	3.69797	3.66718	0.59130	ug/L	09/10/10	20:06	
60958-1L	Mo	4.47855	5.56823	3.38887	34.40935	ug/L	09/10/10	20:06	
60958-1L	Na	28008.08203	28019.76953	27996.39648	0.05900	ug/L	09/10/10	20:06	
60958-1L	Ni	1.26886	0.53818	1.99954	81.43761	ug/L	09/10/10	20:06	
60958-1L	Pb	2.66315	2.41215	2.91414	13.32869	ug/L	09/10/10	20:06	
60958-1L	Se	-1.50738	-1.44836	-1.56640	5.53732	ug/L	09/10/10	20:06	
60958-1L	Sb	2.48592	2.50887	2.46296	1.30592	ug/L	09/10/10	20:06	
60958-1L	Sn	-1.02920	1.56074	-3.61914	355.88110	ug/L	09/10/10	20:06	
60958-1L	Sr	8.50930	8.53195	8.48665	0.37645	ug/L	09/10/10	20:06	
60958-1L	Ti	0.19190	0.17059	0.21321	15.70598	ug/L	09/10/10	20:06	
60958-1L	Tl	-3.21584	-0.52467	-5.90701	118.34799	ug/L	09/10/10	20:06	
60958-1L	V	-0.35810	-0.64524	-0.07096	113.39582	ug/L	09/10/10	20:06	
60958-1L	Zn	6.05181	5.86077	6.24286	4.46443	ug/L	09/10/10	20:06	
60958-1L	2203/1	-0.23869	-2.75967	2.28228	1493.62731	ug/L	09/10/10	20:06	
60958-1L	2203/2	4.11189	4.99419	3.22960	30.34489	ug/L	09/10/10	20:06	
60958-1L	1960/1	-5.89171	-4.72425	-7.05916	28.02298	ug/L	09/10/10	20:06	
60958-1L	1960/2	0.68149	0.18712	1.17586	102.58889	ug/L	09/10/10	20:06	
60958-1L	Y	995.79504	993.53973	998.05035	0.32029		09/10/10	20:06	
60958-1A	Ag	43.33740	43.48253	43.19228	0.47357	ug/L	09/10/10	20:11	
60958-1A	Al	2194.65869	2201.05151	2188.26586	0.41194	ug/L	09/10/10	20:11	
60958-1A	2Al	2.19461	2.20091	2.18832	0.40577	mg/L	09/10/10	20:11	
60958-1A	As	2125.97094	2138.91894	2113.02294	0.86131	ug/L	09/10/10	20:11	
60958-1A	B	5944.52832	5943.56201	5945.49511	0.02299	ug/L	09/10/10	20:11	
60958-1A	Ba	2097.42285	2105.28759	2089.55810	0.53029	ug/L	09/10/10	20:11	
60958-1A	Be	52.02065	52.16245	51.87885	0.38548	ug/L	09/10/10	20:11	
60958-1A	Ca	10635.36718	10649.48339	10621.25195	0.18770	ug/L	09/10/10	20:11	
60958-1A	Cd	52.28090	52.51702	52.04478	0.63872	ug/L	09/10/10	20:11	
60958-1A	Co	529.33569	531.58758	527.08380	0.60163	ug/L	09/10/10	20:11	
60958-1A	Cr	206.83946	207.53236	206.14656	0.47375	ug/L	09/10/10	20:11	
60958-1A	Cu	269.81298	270.04330	269.58270	0.12071	ug/L	09/10/10	20:11	
60958-1A	Fe	1137.54443	1140.11901	1134.96972	0.32008	ug/L	09/10/10	20:11	
60958-1A	2Fe	1.13762	1.14019	1.13504	0.32013	mg/L	09/10/10	20:11	
60958-1A	K	140385.06250	140432.82812	140337.28125	0.04812	ug/L	09/10/10	20:11	
60958-1A	Mg	5098.96289	5113.38867	5084.53710	0.40010	ug/L	09/10/10	20:11	
60958-1A	2Mg	5.09757	5.11199	5.08315	0.40010	mg/L	09/10/10	20:11	
60958-1A	Mn	546.39282	548.16021	544.62548	0.45744	ug/L	09/10/10	20:11	
60958-1A	Mo	453.89837	452.76763	455.02908	0.35229	ug/L	09/10/10	20:11	
60958-1A	Na	156538.21875	156738.23437	156338.18750	0.18070	ug/L	09/10/10	20:11	
60958-1A	Ni	529.70269	532.97302	526.43237	0.87311	ug/L	09/10/10	20:11	
60958-1A	Pb	524.43518	530.26977	518.60052	1.57338	ug/L	09/10/10	20:11	
60958-1A	Se	2131.71948	2153.22656	2110.21240	1.42681	ug/L	09/10/10	20:11	
60958-1A	Sb	527.48632	525.66546	529.30725	0.48818	ug/L	09/10/10	20:11	
60958-1A	Sn	883.23925	886.31414	880.16436	0.49234	ug/L	09/10/10	20:11	
60958-1A	Sr	481.39746	482.29965	480.49530	0.26503	ug/L	09/10/10	20:11	
60958-1A	Ti	850.45300	852.85009	848.05584	0.39861	ug/L	09/10/10	20:11	
60958-1A	Tl	2163.67138	2175.69262	2151.64990	0.78573	ug/L	09/10/10	20:11	
60958-1A	V	510.44210	511.99777	508.88644	0.43100	ug/L	09/10/10	20:11	
60958-1A	Zn	574.75335	576.02539	573.48132	0.31299	ug/L	09/10/10	20:11	
60958-1A	2203/1	521.41162	522.70825	520.11492	0.35169	ug/L	09/10/10	20:11	
60958-1A	2203/2	525.94470	534.04486	517.84448	2.17806	ug/L	09/10/10	20:11	
60958-1A	1960/1	2114.79785	2124.14648	2105.44946	0.62515	ug/L	09/10/10	20:11	
60958-1A	1960/2	2140.16699	2167.74414	2112.58959	1.82229	ug/L	09/10/10	20:11	
60958-1A	Y	973.53918	974.23101	972.84735	0.10049		09/10/10	20:11	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60958-1S	Ag	53.18673	52.66599	53.70748	1.38463	ug/L	09/10/10	20:16	
60958-1S	Al	2250.56591	2256.15063	2244.98120	0.35093	ug/L	09/10/10	20:16	
60958-1S	2Al	2.25052	2.25620	2.24484	0.35691	mg/L	09/10/10	20:16	
60958-1S	As	2170.57617	2178.65795	2162.49438	0.52655	ug/L	09/10/10	20:16	
60958-1S	B	6214.07812	6236.26562	6191.89062	0.50494	ug/L	09/10/10	20:16	
60958-1S	Ba	2148.08300	2154.76611	2141.39990	0.43998	ug/L	09/10/10	20:16	
60958-1S	Be	53.62791	53.85739	53.39844	0.60514	ug/L	09/10/10	20:16	
60958-1S	Ca	11739.37304	11771.00781	11707.73925	0.38109	ug/L	09/10/10	20:16	
60958-1S	Cd	53.53440	53.51304	53.55575	0.05641	ug/L	09/10/10	20:16	
60958-1S	Co	544.82647	546.63446	543.01849	0.46930	ug/L	09/10/10	20:16	
60958-1S	Cr	213.87380	214.85591	212.89169	0.64940	ug/L	09/10/10	20:16	
60958-1S	Cu	276.27850	277.75296	274.80404	0.75474	ug/L	09/10/10	20:16	
60958-1S	Fe	1172.96520	1179.34216	1166.58825	0.76885	ug/L	09/10/10	20:16	
60958-1S	2Fe	1.17304	1.17942	1.16666	0.76877	mg/L	09/10/10	20:16	
60958-1S	K	142097.53125	142455.62500	141739.42187	0.35639	ug/L	09/10/10	20:16	
60958-1S	Mg	6114.64355	6138.86816	6090.41894	0.56027	ug/L	09/10/10	20:16	
60958-1S	2Mg	6.11296	6.13718	6.08875	0.56026	mg/L	09/10/10	20:16	
60958-1S	Mn	561.30169	562.83044	559.77294	0.38517	ug/L	09/10/10	20:16	
60958-1S	Mo	570.60144	571.92681	569.27600	0.32849	ug/L	09/10/10	20:16	
60958-1S	Na	159621.18750	160099.79687	159142.56250	0.42404	ug/L	09/10/10	20:16	
60958-1S	Ni	542.79333	545.49279	540.09387	0.70332	ug/L	09/10/10	20:16	
60958-1S	Pb	535.90692	535.99078	535.82305	0.02213	ug/L	09/10/10	20:16	
60958-1S	Se	2157.70336	2155.00781	2160.39892	0.17667	ug/L	09/10/10	20:16	
60958-1S	Sb	545.16088	545.55108	544.77075	0.10121	ug/L	09/10/10	20:16	
60958-1S	Sn	1084.46228	1087.59228	1081.33227	0.40817	ug/L	09/10/10	20:16	
60958-1S	Sr	585.87982	587.80871	583.95092	0.46560	ug/L	09/10/10	20:16	
60958-1S	Ti	745.04327	747.29565	742.79089	0.42753	ug/L	09/10/10	20:16	
60958-1S	Tl	2199.23730	2206.38598	2192.08886	0.45968	ug/L	09/10/10	20:16	
60958-1S	V	524.95349	526.11181	523.79510	0.31205	ug/L	09/10/10	20:16	
60958-1S	Zn	589.50244	590.85949	588.14544	0.32554	ug/L	09/10/10	20:16	
60958-1S	2203/1	535.47998	529.81610	541.14379	1.49583	ug/L	09/10/10	20:16	
60958-1S	2203/2	536.12011	539.07354	533.16668	0.77907	ug/L	09/10/10	20:16	
60958-1S	1960/1	2165.69628	2160.90600	2170.48657	0.31280	ug/L	09/10/10	20:16	
60958-1S	1960/2	2153.71240	2152.06274	2155.36206	0.10832	ug/L	09/10/10	20:16	
60958-1S	Y	988.54449	990.37371	986.71527	0.26168		09/10/10	20:16	
60958-1SD	Ag	53.13881	52.99738	53.28025	0.37641	ug/L	09/10/10	20:22	
60958-1SD	Al	2267.30859	2263.25366	2271.36352	0.25292	ug/L	09/10/10	20:22	
60958-1SD	2Al	2.26727	2.26331	2.27122	0.24690	mg/L	09/10/10	20:22	
60958-1SD	As	2178.78271	2179.49633	2178.06933	0.04631	ug/L	09/10/10	20:22	
60958-1SD	B	6226.75585	6233.66113	6219.85009	0.15683	ug/L	09/10/10	20:22	
60958-1SD	Ba	2162.00610	2163.27075	2160.74145	0.08272	ug/L	09/10/10	20:22	
60958-1SD	Be	53.79007	53.88803	53.69211	0.25754	ug/L	09/10/10	20:22	
60958-1SD	Ca	11762.20507	11775.02441	11749.38574	0.15413	ug/L	09/10/10	20:22	
60958-1SD	Cd	53.65930	53.68348	53.63512	0.06373	ug/L	09/10/10	20:22	
60958-1SD	Co	547.69519	547.53588	547.85449	0.04113	ug/L	09/10/10	20:22	
60958-1SD	Cr	214.70880	215.10714	214.31047	0.26237	ug/L	09/10/10	20:22	
60958-1SD	Cu	278.31445	278.57968	278.04922	0.13477	ug/L	09/10/10	20:22	
60958-1SD	Fe	1182.68676	1185.33227	1180.04113	0.31634	ug/L	09/10/10	20:22	
60958-1SD	2Fe	1.18276	1.18540	1.18011	0.31627	mg/L	09/10/10	20:22	
60958-1SD	K	142346.29687	142384.40625	142308.18750	0.03786	ug/L	09/10/10	20:22	
60958-1SD	Mg	6137.64160	6144.50390	6130.77978	0.15811	ug/L	09/10/10	20:22	
60958-1SD	2Mg	6.13595	6.14281	6.12909	0.15810	mg/L	09/10/10	20:22	
60958-1SD	Mn	564.08502	564.25958	563.91046	0.04376	ug/L	09/10/10	20:22	
60958-1SD	Mo	571.66748	571.93218	571.40270	0.06549	ug/L	09/10/10	20:22	
60958-1SD	Na	159736.76562	160679.25000	158794.28125	0.83441	ug/L	09/10/10	20:22	
60958-1SD	Ni	545.51971	546.27264	544.76678	0.19519	ug/L	09/10/10	20:22	
60958-1SD	Pb	538.88354	539.93041	537.83666	0.27473	ug/L	09/10/10	20:22	
60958-1SD	Se	2175.54370	2181.12304	2169.96435	0.36268	ug/L	09/10/10	20:22	
60958-1SD	Sb	542.27368	542.82312	541.72418	0.14329	ug/L	09/10/10	20:22	
60958-1SD	Sn	1095.40002	1094.75354	1096.04650	0.08346	ug/L	09/10/10	20:22	
60958-1SD	Sr	587.56530	588.57910	586.55145	0.24401	ug/L	09/10/10	20:22	
60958-1SD	Ti	748.80529	749.72113	747.88952	0.17296	ug/L	09/10/10	20:22	
60958-1SD	Tl	2211.66796	2206.23999	2217.09619	0.34709	ug/L	09/10/10	20:22	
60958-1SD	V	528.49475	528.79138	528.19818	0.07936	ug/L	09/10/10	20:22	
60958-1SD	Zn	592.86291	594.06286	591.66290	0.28624	ug/L	09/10/10	20:22	
60958-1SD	2203/1	539.65625	538.81884	540.49371	0.21945	ug/L	09/10/10	20:22	
60958-1SD	2203/2	538.49774	540.48535	536.51013	0.52199	ug/L	09/10/10	20:22	
60958-1SD	1960/1	2179.35498	2177.50341	2181.20629	0.12014	ug/L	09/10/10	20:22	
60958-1SD	1960/2	2173.64013	2182.92944	2164.35107	0.60437	ug/L	09/10/10	20:22	
60958-1SD	Y	971.57312	972.30798	970.83831	0.10696		09/10/10	20:22	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60974-1	Ag	-0.72091	-0.54368	-0.89813	34.76618	ug/L	09/10/10	20:27	
60974-1	Al	866.51940	863.54272	869.49615	0.48581	ug/L	09/10/10	20:27	
60974-1	2Al	0.86654	0.86356	0.86952	0.48581	mg/L	09/10/10	20:27	
60974-1	As	8.45023	9.33596	7.56450	14.82336	ug/L	09/10/10	20:27	
60974-1	B	377.30047	378.92736	375.67355	0.60980	ug/L	09/10/10	20:27	
60974-1	Ba	78.96940	78.89510	79.04370	0.13305	ug/L	09/10/10	20:27	
60974-1	Be	-0.00574	-0.02473	0.01323	466.98385	ug/L	09/10/10	20:27	
60974-1	Ca	29446.21484	29401.09765	29491.33203	0.21668	ug/L	09/10/10	20:27	
60974-1	Cd	0.19002	0.23975	0.14030	37.00571	ug/L	09/10/10	20:27	
60974-1	Co	0.05381	-0.33874	0.44636	1031.69006	ug/L	09/10/10	20:27	
60974-1	Cr	0.90440	0.91224	0.89655	1.22700	ug/L	09/10/10	20:27	
60974-1	Cu	6.85173	6.89578	6.80767	0.90933	ug/L	09/10/10	20:27	
60974-1	Fe	519.82598	520.70257	518.94940	0.23848	ug/L	09/10/10	20:27	
60974-1	2Fe	0.51976	0.52063	0.51888	0.23845	mg/L	09/10/10	20:27	
60974-1	K	9152.08789	9123.36328	9180.81347	0.44387	ug/L	09/10/10	20:27	
60974-1	Mg	10416.31445	10403.25976	10429.37011	0.17724	ug/L	09/10/10	20:27	
60974-1	2Mg	10.41329	10.40024	10.42634	0.17724	mg/L	09/10/10	20:27	
60974-1	Mn	30.35754	30.35416	30.36091	0.01573	ug/L	09/10/10	20:27	
60974-1	Mo	9.33651	9.35325	9.31976	0.25362	ug/L	09/10/10	20:27	
60974-1	Na	26687.11718	26560.95117	26813.28125	0.66857	ug/L	09/10/10	20:27	
60974-1	Ni	3.25268	3.57546	2.92990	14.03389	ug/L	09/10/10	20:27	
60974-1	Pb	7.55294	8.54829	6.55759	18.63689	ug/L	09/10/10	20:27	
60974-1	Se	4.16967	2.88342	5.45592	43.62536	ug/L	09/10/10	20:27	
60974-1	Sb	0.93945	-0.48745	2.36636	214.80009	ug/L	09/10/10	20:27	
60974-1	Sn	0.67059	-0.68916	2.03034	286.75973	ug/L	09/10/10	20:27	
60974-1	Sr	205.94744	205.76956	206.12533	0.12215	ug/L	09/10/10	20:27	
60974-1	Ti	8.73466	8.91265	8.55666	2.88189	ug/L	09/10/10	20:27	
60974-1	Tl	0.20719	-3.33898	3.75337	2420.44335	ug/L	09/10/10	20:27	
60974-1	V	0.17793	0.17815	0.17770	0.17616	ug/L	09/10/10	20:27	
60974-1	Zn	50.49654	50.30973	50.68335	0.52317	ug/L	09/10/10	20:27	
60974-1	2203/1	9.85813	9.79896	9.91730	0.84880	ug/L	09/10/10	20:27	
60974-1	2203/2	6.40208	7.92389	4.88026	33.61677	ug/L	09/10/10	20:27	
60974-1	1960/1	2.36712	-2.03935	6.77361	263.26052	ug/L	09/10/10	20:27	
60974-1	1960/2	5.06959	5.34112	4.79806	7.57450	ug/L	09/10/10	20:27	
60974-1	Y	981.01647	989.29498	972.73791	1.19341		09/10/10	20:27	
60972-1	Ag	-0.41881	-0.64534	-0.19228	76.49327	ug/L	09/10/10	20:32	
60972-1	Al	16.41549	16.65279	16.17818	2.04441	ug/L	09/10/10	20:32	
60972-1	2Al	0.01641	0.01665	0.01617	2.04435	mg/L	09/10/10	20:32	
60972-1	As	-2.38062	0.15687	-4.91812	150.74070	ug/L	09/10/10	20:32	
60972-1	B	102.89434	104.15577	101.63290	1.73375	ug/L	09/10/10	20:32	
60972-1	Ba	90.02047	90.00720	90.03375	0.02085	ug/L	09/10/10	20:32	
60972-1	Be	-0.01057	-0.01709	-0.00406	87.06572	ug/L	09/10/10	20:32	
60972-1	Ca	86326.19531	86319.62500	86332.76562	0.01076	ug/L	09/10/10	20:32	
60972-1	Cd	0.17998	0.15814	0.20182	17.16217	ug/L	09/10/10	20:32	
60972-1	Co	-0.30284	-0.12473	-0.48095	83.17406	ug/L	09/10/10	20:32	
60972-1	Cr	-0.33296	-0.18319	-0.48273	63.61124	ug/L	09/10/10	20:32	
60972-1	Cu	3.24406	2.73021	3.75792	22.40092	ug/L	09/10/10	20:32	
60972-1	Fe	50.87570	55.44076	46.31065	12.68968	ug/L	09/10/10	20:32	
60972-1	2Fe	0.05086	0.05543	0.04630	12.68995	mg/L	09/10/10	20:32	
60972-1	K	17277.69531	17254.51953	17300.86914	0.18969	ug/L	09/10/10	20:32	
60972-1	Mg	33334.32812	33323.08203	33345.57031	0.04770	ug/L	09/10/10	20:32	
60972-1	2Mg	33.32490	33.31366	33.33614	0.04769	mg/L	09/10/10	20:32	
60972-1	Mn	5.38605	5.33788	5.43421	1.26464	ug/L	09/10/10	20:32	
60972-1	Mo	4.35781	3.42516	5.29046	30.26681	ug/L	09/10/10	20:32	
60972-1	Na	48713.48046	48727.29687	48699.66406	0.04011	ug/L	09/10/10	20:32	
60972-1	Ni	0.80939	0.02172	1.59706	137.62590	ug/L	09/10/10	20:32	
60972-1	Pb	1.55067	2.05344	1.04790	45.85276	ug/L	09/10/10	20:32	
60972-1	Se	0.33180	-0.57488	1.23849	386.44924	ug/L	09/10/10	20:32	
60972-1	Sb	2.25379	0.09204	4.41555	135.64572	ug/L	09/10/10	20:32	
60972-1	Sn	1.25131	-0.79194	3.29457	230.92620	ug/L	09/10/10	20:32	
60972-1	Sr	581.28430	582.14794	580.42059	0.21012	ug/L	09/10/10	20:32	
60972-1	Ti	0.36005	0.50277	0.21733	56.05665	ug/L	09/10/10	20:32	
60972-1	Tl	-1.42341	-2.06992	-0.77690	64.23291	ug/L	09/10/10	20:32	
60972-1	V	0.44069	0.79330	0.08808	113.15536	ug/L	09/10/10	20:32	
60972-1	Zn	90.19909	89.88494	90.51325	0.49255	ug/L	09/10/10	20:32	
60972-1	2203/1	2.33068	4.65858	0.00278	141.25210	ug/L	09/10/10	20:32	
60972-1	2203/2	1.16125	0.75283	1.56967	49.73904	ug/L	09/10/10	20:32	
60972-1	1960/1	3.72943	4.31795	3.14092	22.31682	ug/L	09/10/10	20:32	
60972-1	1960/2	-1.36446	-3.01764	0.28870	171.34480	ug/L	09/10/10	20:32	
60972-1	Y	974.09033	976.71691	971.46368	0.38134		09/10/10	20:32	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61029-1	Ag	0.16062	0.08549	0.23575	66.14894	ug/L	09/10/10	20:38	
61029-1	Al	-2.73425	-6.83691	1.36841	212.19851	ug/L	09/10/10	20:38	
61029-1	2Al	-0.00273	-0.00683	0.00136	212.19851	mg/L	09/10/10	20:38	
61029-1	As	-0.97421	1.20761	-3.15604	316.72439	ug/L	09/10/10	20:38	
61029-1	B	-13.89091	-14.64899	-13.13283	7.71787	ug/L	09/10/10	20:38	
61029-1	Ba	27.85852	27.92308	27.79396	0.32773	ug/L	09/10/10	20:38	
61029-1	Be	-0.00289	0.00746	-0.01324	506.24740	ug/L	09/10/10	20:38	
61029-1	Ca	14138.53320	14154.19335	14122.87207	0.15664	ug/L	09/10/10	20:38	
61029-1	Cd	-0.16165	-0.21514	-0.10817	46.78800	ug/L	09/10/10	20:38	
61029-1	Co	-0.44467	-0.69027	-0.19907	78.10831	ug/L	09/10/10	20:38	
61029-1	Cr	-0.20032	-0.57511	0.17446	264.58172	ug/L	09/10/10	20:38	
61029-1	Cu	0.28624	-0.02662	0.59910	154.57582	ug/L	09/10/10	20:38	
61029-1	Fe	1048.16284	1039.77502	1056.55078	1.13171	ug/L	09/10/10	20:38	
61029-1	2Fe	1.04802	1.03964	1.05641	1.13173	mg/L	09/10/10	20:38	
61029-1	K	1509.43090	1509.52392	1509.33789	0.00871	ug/L	09/10/10	20:38	
61029-1	Mg	3689.23828	3692.67089	3685.80566	0.13158	ug/L	09/10/10	20:38	
61029-1	2Mg	3.68827	3.69170	3.68484	0.13164	mg/L	09/10/10	20:38	
61029-1	Mn	569.89294	570.67877	569.10705	0.19501	ug/L	09/10/10	20:38	
61029-1	Mo	-0.70420	-0.63754	-0.77085	13.38608	ug/L	09/10/10	20:38	
61029-1	Na	10404.37695	10449.66503	10359.08886	0.61557	ug/L	09/10/10	20:38	
61029-1	Ni	0.74314	0.86048	0.62581	22.32820	ug/L	09/10/10	20:38	
61029-1	Pb	-0.52246	0.23787	-1.28281	205.81015	ug/L	09/10/10	20:38	
61029-1	Se	-1.47741	-1.63176	-1.32305	14.77506	ug/L	09/10/10	20:38	
61029-1	Sb	-0.31791	-2.25957	1.62374	863.73205	ug/L	09/10/10	20:38	
61029-1	Sn	-1.45963	-0.44199	-2.47727	98.59710	ug/L	09/10/10	20:38	
61029-1	Sr	121.05342	121.11076	120.99608	0.06698	ug/L	09/10/10	20:38	
61029-1	Ti	0.01336	-0.01650	0.04322	316.07882	ug/L	09/10/10	20:38	
61029-1	Tl	2.20504	2.67987	1.73020	30.45384	ug/L	09/10/10	20:38	
61029-1	V	-0.36772	-0.93935	0.20389	219.83493	ug/L	09/10/10	20:38	
61029-1	Zn	59.91405	60.02979	59.79831	0.27319	ug/L	09/10/10	20:38	
61029-1	2203/1	3.86125	5.93113	1.79137	75.81089	ug/L	09/10/10	20:38	
61029-1	2203/2	-2.71104	-2.60448	-2.81761	5.55889	ug/L	09/10/10	20:38	
61029-1	1960/1	-0.94041	-0.24690	-1.63391	104.29052	ug/L	09/10/10	20:38	
61029-1	1960/2	-1.74551	-2.32315	-1.16786	46.80089	ug/L	09/10/10	20:38	
61029-1	Y	1013.00872	1017.26525	1008.75219	0.59423		09/10/10	20:38	
CCV	Ag	508.47100	509.92562	507.01638	0.40457	ug/L	09/10/10	20:43	
CCV	Al	5127.43212	5120.52392	5134.34033	0.19053	ug/L	09/10/10	20:43	
CCV	2Al	5.12724	5.12024	5.13424	0.19313	mg/L	09/10/10	20:43	
CCV	As	512.06115	512.08276	512.03955	0.00596	ug/L	09/10/10	20:43	
CCV	B	5062.28759	5052.95458	5071.62060	0.26072	ug/L	09/10/10	20:43	
CCV	Ba	5137.69531	5145.20849	5130.18212	0.20680	ug/L	09/10/10	20:43	
CCV	Be	507.04888	507.43045	506.66729	0.10642	ug/L	09/10/10	20:43	
CCV	Ca	5124.60253	5127.67187	5121.53320	0.08470	ug/L	09/10/10	20:43	
CCV	Cd	507.31262	508.12670	506.49850	0.22694	ug/L	09/10/10	20:43	
CCV	Co	509.51153	510.54019	508.48291	0.28551	ug/L	09/10/10	20:43	
CCV	Cr	5072.86816	5079.94335	5065.79296	0.19724	ug/L	09/10/10	20:43	
CCV	Cu	5110.89257	5112.82177	5108.96289	0.05338	ug/L	09/10/10	20:43	
CCV	Fe	5131.87304	5131.28662	5132.45996	0.01616	ug/L	09/10/10	20:43	
CCV	2Fe	5.13187	5.13128	5.13245	0.01611	mg/L	09/10/10	20:43	
CCV	K	10073.90625	10088.82421	10058.98730	0.20943	ug/L	09/10/10	20:43	
CCV	Mg	5123.28417	5128.95947	5117.60937	0.15665	ug/L	09/10/10	20:43	
CCV	2Mg	5.12327	5.12895	5.11759	0.15673	mg/L	09/10/10	20:43	
CCV	Mn	5102.31982	5111.89648	5092.74316	0.26543	ug/L	09/10/10	20:43	
CCV	Mo	506.20574	506.68722	505.72430	0.13450	ug/L	09/10/10	20:43	
CCV	Na	7633.84179	7602.06103	7665.62255	0.58875	ug/L	09/10/10	20:43	
CCV	Ni	2557.94873	2562.50976	2553.38769	0.25216	ug/L	09/10/10	20:43	
CCV	Pb	510.04547	513.55114	506.53976	0.97203	ug/L	09/10/10	20:43	
CCV	Se	5084.90234	5101.26171	5068.54345	0.45498	ug/L	09/10/10	20:43	
CCV	Sb	511.88537	514.83068	508.94003	0.81372	ug/L	09/10/10	20:43	
CCV	Sn	5088.13085	5097.53369	5078.72802	0.26134	ug/L	09/10/10	20:43	
CCV	Sr	2577.22802	2584.70874	2569.74707	0.41049	ug/L	09/10/10	20:43	
CCV	Ti	510.66687	511.69433	509.63937	0.28454	ug/L	09/10/10	20:43	
CCV	Tl	5089.09082	5110.52929	5067.65283	0.59574	ug/L	09/10/10	20:43	
CCV	V	5105.97900	5119.44287	5092.51513	0.37291	ug/L	09/10/10	20:43	
CCV	Zn	2558.81347	2566.63891	2550.98803	0.43249	ug/L	09/10/10	20:43	
CCV	2203/1	515.75317	518.83142	512.67498	0.84405	ug/L	09/10/10	20:43	
CCV	2203/2	507.19134	510.91043	503.47222	1.03700	ug/L	09/10/10	20:43	
CCV	1960/1	5121.41406	5138.07714	5104.75048	0.46013	ug/L	09/10/10	20:43	
CCV	1960/2	5066.67431	5082.88134	5050.46728	0.45237	ug/L	09/10/10	20:43	
CCV	Y	996.32275	998.05035	994.59509	0.24522		09/10/10	20:43	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.56908	0.59249	0.54567	5.81742	ug/L	09/10/10	20:48	
CCB	Al	-4.43284	-1.76941	-7.09627	84.97147	ug/L	09/10/10	20:48	
CCB	2Al	-0.00443	-0.00176	-0.00709	84.97154	mg/L	09/10/10	20:48	
CCB	As	-0.40421	2.24217	-3.05059	925.88458	ug/L	09/10/10	20:48	
CCB	B	-9.37769	-7.69033	-11.06505	25.44640	ug/L	09/10/10	20:48	
CCB	Ba	1.11452	0.12401	2.10503	125.68552	ug/L	09/10/10	20:48	
CCB	Be	0.11530	0.03225	0.19836	101.86285	ug/L	09/10/10	20:48	
CCB	Ca	8.08752	4.55717	11.61787	61.73299	ug/L	09/10/10	20:48	
CCB	Cd	0.09214	-0.14767	0.33197	368.05615	ug/L	09/10/10	20:48	
CCB	Co	0.21513	0.80380	-0.37352	386.95724	ug/L	09/10/10	20:48	
CCB	Cr	0.90998	0.18870	1.63127	112.09549	ug/L	09/10/10	20:48	
CCB	Cu	1.26427	0.79585	1.73270	52.39791	ug/L	09/10/10	20:48	
CCB	Fe	4.08246	1.12380	7.04112	102.49150	ug/L	09/10/10	20:48	
CCB	2Fe	0.00408	0.00112	0.00704	102.48228	mg/L	09/10/10	20:48	
CCB	K	9.97252	11.58973	8.35531	22.93385	ug/L	09/10/10	20:48	
CCB	Mg	4.82741	8.03570	1.61912	93.98822	ug/L	09/10/10	20:48	
CCB	2Mg	0.00482	0.00803	0.00161	93.99693	mg/L	09/10/10	20:48	
CCB	Mn	0.98993	0.11977	1.86010	124.31113	ug/L	09/10/10	20:48	
CCB	Mo	-1.69123	-2.69979	-0.68267	84.33567	ug/L	09/10/10	20:48	
CCB	Na	90.84971	142.61758	39.08185	80.58453	ug/L	09/10/10	20:48	
CCB	Ni	0.82326	0.63434	1.01218	32.45298	ug/L	09/10/10	20:48	
CCB	Pb	1.86882	1.68830	2.04934	13.66074	ug/L	09/10/10	20:48	
CCB	Se	1.80719	2.98871	0.62568	92.45883	ug/L	09/10/10	20:48	
CCB	Sb	0.15839	-1.45820	1.77500	1443.34851	ug/L	09/10/10	20:48	
CCB	Sn	2.48562	0.90253	4.06870	90.07100	ug/L	09/10/10	20:48	
CCB	Sr	0.51863	0.09721	0.94005	114.91302	ug/L	09/10/10	20:48	
CCB	Ti	0.14937	0.16012	0.13863	10.17451	ug/L	09/10/10	20:48	
CCB	Tl	2.86117	7.16273	-1.44037	212.61558	ug/L	09/10/10	20:48	
CCB	V	0.84119	0.49651	1.18588	57.94794	ug/L	09/10/10	20:48	
CCB	Zn	-0.03335	-0.17236	0.10566	589.46270	ug/L	09/10/10	20:48	
CCB	2203/1	5.42806	6.89724	3.95888	38.27769	ug/L	09/10/10	20:48	
CCB	2203/2	0.09186	-0.91226	1.09600	1545.77868	ug/L	09/10/10	20:48	
CCB	1960/1	4.87267	3.51768	6.22767	39.32655	ug/L	09/10/10	20:48	
CCB	1960/2	0.27675	2.72462	-2.17111	1250.85803	ug/L	09/10/10	20:48	
CCB	Y	991.34698	992.63293	990.06103	0.18344		09/10/10	20:48	
61012-1	Ag	-0.32272	-0.05502	-0.59043	117.31079	ug/L	09/10/10	20:54	
61012-1	Al	278.29547	278.64712	277.94381	0.17869	ug/L	09/10/10	20:54	
61012-1	2Al	0.27830	0.27865	0.27795	0.17869	mg/L	09/10/10	20:54	
61012-1	As	1.63502	-0.47929	3.74934	182.87832	ug/L	09/10/10	20:54	
61012-1	B	-8.57913	-8.55970	-8.59857	0.32042	ug/L	09/10/10	20:54	
61012-1	Ba	16.93729	16.96794	16.90665	0.25587	ug/L	09/10/10	20:54	
61012-1	Be	0.18188	0.18157	0.18218	0.23698	ug/L	09/10/10	20:54	
61012-1	Ca	299.70812	301.12530	298.29092	0.66872	ug/L	09/10/10	20:54	
61012-1	Cd	0.13526	0.06598	0.20453	72.42774	ug/L	09/10/10	20:54	
61012-1	Co	0.64465	0.99620	0.29309	77.12284	ug/L	09/10/10	20:54	
61012-1	Cr	-0.53202	-0.32386	-0.74018	55.33127	ug/L	09/10/10	20:54	
61012-1	Cu	-0.26136	-0.75419	0.23147	266.66879	ug/L	09/10/10	20:54	
61012-1	Fe	13.01293	8.99921	17.02664	43.62007	ug/L	09/10/10	20:54	
61012-1	2Fe	0.01301	0.00899	0.01702	43.61882	mg/L	09/10/10	20:54	
61012-1	K	317.29968	315.31347	319.28588	0.88525	ug/L	09/10/10	20:54	
61012-1	Mg	1330.57141	1336.40466	1324.73815	0.61999	ug/L	09/10/10	20:54	
61012-1	2Mg	1.33019	1.33602	1.32436	0.62006	mg/L	09/10/10	20:54	
61012-1	Mn	2.38716	2.30199	2.47233	5.04563	ug/L	09/10/10	20:54	
61012-1	Mo	-1.23021	-0.76910	-1.69133	53.00744	ug/L	09/10/10	20:54	
61012-1	Na	26716.64257	26776.39843	26656.88671	0.31631	ug/L	09/10/10	20:54	
61012-1	Ni	1.35641	1.73930	0.97352	39.92102	ug/L	09/10/10	20:54	
61012-1	Pb	0.78345	0.36381	1.20310	75.75003	ug/L	09/10/10	20:54	
61012-1	Se	-2.66133	-4.16754	-1.15512	80.03868	ug/L	09/10/10	20:54	
61012-1	Sb	-0.23514	3.36465	-3.83494	2165.01293	ug/L	09/10/10	20:54	
61012-1	Sn	0.95056	0.83176	1.06937	17.67544	ug/L	09/10/10	20:54	
61012-1	Sr	15.65323	15.70509	15.60138	0.46852	ug/L	09/10/10	20:54	
61012-1	Ti	0.03720	-0.13104	0.20546	639.48480	ug/L	09/10/10	20:54	
61012-1	Tl	0.50320	0.59653	0.40986	26.23177	ug/L	09/10/10	20:54	
61012-1	V	-0.45928	-0.92043	0.00186	141.99420	ug/L	09/10/10	20:54	
61012-1	Zn	3.33913	3.54538	3.13287	8.73538	ug/L	09/10/10	20:54	
61012-1	2203/1	1.57525	2.10811	1.04239	47.83858	ug/L	09/10/10	20:54	
61012-1	2203/2	0.38815	-0.50703	1.28333	326.15469	ug/L	09/10/10	20:54	
61012-1	1960/1	0.41364	-0.14887	0.97616	192.32189	ug/L	09/10/10	20:54	
61012-1	1960/2	-4.19651	-6.17385	-2.21917	66.63576	ug/L	09/10/10	20:54	
61012-1	Y	1007.50146	1006.68060	1008.32226	0.11521		09/10/10	20:54	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61012-1L	Ag	-0.46950	-0.64202	-0.29699	51.96299	ug/L	09/10/10	20:59	
61012-1L	Al	53.83674	55.57941	52.09408	4.57772	ug/L	09/10/10	20:59	
61012-1L	2Al	0.05383	0.05558	0.05209	4.57772	mg/L	09/10/10	20:59	
61012-1L	As	-1.74335	-3.91538	0.42867	176.19561	ug/L	09/10/10	20:59	
61012-1L	B	-19.56814	-20.14167	-18.99460	4.14499	ug/L	09/10/10	20:59	
61012-1L	Ba	3.46210	3.31610	3.60810	5.96370	ug/L	09/10/10	20:59	
61012-1L	Be	0.03351	0.01678	0.05024	70.59358	ug/L	09/10/10	20:59	
61012-1L	Ca	72.19124	71.24085	73.14163	1.86178	ug/L	09/10/10	20:59	
61012-1L	Cd	0.12862	-0.01865	0.27591	161.93672	ug/L	09/10/10	20:59	
61012-1L	Co	0.03572	-0.07892	0.15036	453.86801	ug/L	09/10/10	20:59	
61012-1L	Cr	-0.17255	-0.61438	0.26927	362.10461	ug/L	09/10/10	20:59	
61012-1L	Cu	1.08843	0.79055	1.38630	38.70356	ug/L	09/10/10	20:59	
61012-1L	Fe	-13.89749	-23.15537	-4.63962	94.20836	ug/L	09/10/10	20:59	
61012-1L	2Fe	-0.01389	-0.02315	-0.00463	94.20849	mg/L	09/10/10	20:59	
61012-1L	K	65.98246	67.12303	64.84188	2.44462	ug/L	09/10/10	20:59	
61012-1L	Mg	269.51040	271.55316	267.46765	1.07190	ug/L	09/10/10	20:59	
61012-1L	2Mg	0.26943	0.27148	0.26739	1.07270	mg/L	09/10/10	20:59	
61012-1L	Mn	0.43892	0.32016	0.55768	38.26443	ug/L	09/10/10	20:59	
61012-1L	Mo	-2.30062	-1.11708	-3.48415	72.75293	ug/L	09/10/10	20:59	
61012-1L	Na	5388.62304	5384.45556	5392.79003	0.10936	ug/L	09/10/10	20:59	
61012-1L	Ni	0.86243	0.33914	1.38571	85.80775	ug/L	09/10/10	20:59	
61012-1L	Pb	-0.59326	0.56664	-1.75318	276.49670	ug/L	09/10/10	20:59	
61012-1L	Se	-1.17026	-4.74174	2.40122	431.59869	ug/L	09/10/10	20:59	
61012-1L	Sb	-0.89058	1.25394	-3.03510	340.54312	ug/L	09/10/10	20:59	
61012-1L	Sn	-1.59410	-2.59642	-0.59178	88.92105	ug/L	09/10/10	20:59	
61012-1L	Sr	3.21242	3.13900	3.28584	3.23219	ug/L	09/10/10	20:59	
61012-1L	Ti	-0.02004	0.01146	-0.05155	222.32748	ug/L	09/10/10	20:59	
61012-1L	Tl	-4.13962	-5.37722	-2.90203	42.27966	ug/L	09/10/10	20:59	
61012-1L	V	-0.86143	-1.15022	-0.57264	47.41014	ug/L	09/10/10	20:59	
61012-1L	Zn	0.88791	0.78674	0.98907	16.11293	ug/L	09/10/10	20:59	
61012-1L	2203/1	-1.73039	-1.90804	-1.55274	14.51869	ug/L	09/10/10	20:59	
61012-1L	2203/2	-0.02555	1.80213	-1.85325	10113.38378	ug/L	09/10/10	20:59	
61012-1L	1960/1	0.42723	-3.75599	4.61046	1384.71411	ug/L	09/10/10	20:59	
61012-1L	1960/2	-1.96781	-5.23388	1.29825	234.72322	ug/L	09/10/10	20:59	
61012-1L	Y	994.78662	993.14886	996.42431	0.23282		09/10/10	20:59	
61012-1A	Ag	34.50350	34.11368	34.89332	1.59776	ug/L	09/10/10	21:05	
61012-1A	Al	1915.74682	1917.64721	1913.84643	0.14028	ug/L	09/10/10	21:05	
61012-1A	2Al	1.91579	1.91769	1.91389	0.14028	mg/L	09/10/10	21:05	
61012-1A	As	1636.06420	1644.13269	1627.99584	0.69743	ug/L	09/10/10	21:05	
61012-1A	B	802.37860	804.50500	800.25219	0.37478	ug/L	09/10/10	21:05	
61012-1A	Ba	1696.25732	1699.11450	1693.40014	0.23821	ug/L	09/10/10	21:05	
61012-1A	Be	40.96591	41.03040	40.90141	0.22265	ug/L	09/10/10	21:05	
61012-1A	Ca	4407.95263	4414.56152	4401.34375	0.21203	ug/L	09/10/10	21:05	
61012-1A	Cd	41.28656	41.29339	41.27974	0.02337	ug/L	09/10/10	21:05	
61012-1A	Co	416.52203	417.70565	415.33837	0.40188	ug/L	09/10/10	21:05	
61012-1A	Cr	164.59361	165.12783	164.05938	0.45901	ug/L	09/10/10	21:05	
61012-1A	Cu	206.36178	206.94209	205.78149	0.39768	ug/L	09/10/10	21:05	
61012-1A	Fe	853.50073	870.08044	836.92102	2.74718	ug/L	09/10/10	21:05	
61012-1A	2Fe	0.85356	0.87014	0.83698	2.74671	mg/L	09/10/10	21:05	
61012-1A	K	4603.33886	4604.81054	4601.86718	0.04521	ug/L	09/10/10	21:05	
61012-1A	Mg	5501.87988	5512.09326	5491.66699	0.26252	ug/L	09/10/10	21:05	
61012-1A	2Mg	5.50036	5.51057	5.49015	0.26245	mg/L	09/10/10	21:05	
61012-1A	Mn	415.49481	416.20199	414.78765	0.24069	ug/L	09/10/10	21:05	
61012-1A	Mo	396.15603	396.48135	395.83071	0.11613	ug/L	09/10/10	21:05	
61012-1A	Na	31199.25390	31108.06835	31290.43750	0.41332	ug/L	09/10/10	21:05	
61012-1A	Ni	413.36709	413.33877	413.39541	0.00968	ug/L	09/10/10	21:05	
61012-1A	Pb	411.10235	413.23739	408.96728	0.73447	ug/L	09/10/10	21:05	
61012-1A	Se	1655.41162	1663.40869	1647.41467	0.68318	ug/L	09/10/10	21:05	
61012-1A	Sb	402.19219	404.09335	400.29104	0.66849	ug/L	09/10/10	21:05	
61012-1A	Sn	830.15673	833.95092	826.36260	0.64635	ug/L	09/10/10	21:05	
61012-1A	Sr	438.22137	439.04614	437.39663	0.26616	ug/L	09/10/10	21:05	
61012-1A	Ti	815.40063	817.31719	813.48413	0.33239	ug/L	09/10/10	21:05	
61012-1A	Tl	1666.26513	1669.76635	1662.76403	0.29715	ug/L	09/10/10	21:05	
61012-1A	V	406.80813	408.18533	405.43093	0.47876	ug/L	09/10/10	21:05	
61012-1A	Zn	421.80450	422.94424	420.66473	0.38213	ug/L	09/10/10	21:05	
61012-1A	2203/1	414.44262	416.90316	411.98205	0.83962	ug/L	09/10/10	21:05	
61012-1A	2203/2	409.43469	411.40728	407.46212	0.68134	ug/L	09/10/10	21:05	
61012-1A	1960/1	1670.82604	1677.10131	1664.55078	0.53114	ug/L	09/10/10	21:05	
61012-1A	1960/2	1647.71557	1656.57214	1638.85900	0.76014	ug/L	09/10/10	21:05	
61012-1A	Y	1000.12194	1001.45867	998.78515	0.18902		09/10/10	21:05	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61012-2	Ag	-0.10090	-0.39593	0.19412	413.50170	ug/L	09/10/10	21:10	
61012-2	Al	646.84863	645.42523	648.27209	0.31120	ug/L	09/10/10	21:10	
61012-2	2Al	0.64686	0.64544	0.64829	0.31120	mg/L	09/10/10	21:10	
61012-2	As	1.69785	1.25923	2.13648	36.53489	ug/L	09/10/10	21:10	
61012-2	B	8.45460	8.77109	8.13811	5.29394	ug/L	09/10/10	21:10	
61012-2	Ba	28.61275	28.62865	28.59686	0.07856	ug/L	09/10/10	21:10	
61012-2	Be	0.10496	0.10340	0.10652	2.10237	ug/L	09/10/10	21:10	
61012-2	Ca	13753.24121	13756.85644	13749.62597	0.03717	ug/L	09/10/10	21:10	
61012-2	Cd	0.21972	0.30377	0.13568	54.09466	ug/L	09/10/10	21:10	
61012-2	Co	-0.18701	-0.17572	-0.19830	8.53845	ug/L	09/10/10	21:10	
61012-2	Cr	0.16084	-0.19883	0.52052	316.25112	ug/L	09/10/10	21:10	
61012-2	Cu	2.96516	3.20187	2.72846	11.28958	ug/L	09/10/10	21:10	
61012-2	Fe	196.69351	191.70007	201.68695	3.59025	ug/L	09/10/10	21:10	
61012-2	2Fe	0.19666	0.19167	0.20166	3.59023	mg/L	09/10/10	21:10	
61012-2	K	1677.40380	1686.91076	1667.89697	0.80152	ug/L	09/10/10	21:10	
61012-2	Mg	2525.99072	2529.59570	2522.38598	0.20182	ug/L	09/10/10	21:10	
61012-2	2Mg	2.52524	2.52884	2.52163	0.20186	mg/L	09/10/10	21:10	
61012-2	Mn	2.21792	2.20531	2.23052	0.80349	ug/L	09/10/10	21:10	
61012-2	Mo	-1.65177	-2.54205	-0.76148	76.22454	ug/L	09/10/10	21:10	
61012-2	Na	6184.38378	6186.78906	6181.97802	0.05500	ug/L	09/10/10	21:10	
61012-2	Ni	2.76013	2.75342	2.76685	0.34393	ug/L	09/10/10	21:10	
61012-2	Pb	2.22065	0.96418	3.47713	80.01795	ug/L	09/10/10	21:10	
61012-2	Se	0.42026	-1.72786	2.56840	722.85467	ug/L	09/10/10	21:10	
61012-2	Sb	0.89955	2.35739	-0.55829	229.19192	ug/L	09/10/10	21:10	
61012-2	Sn	0.59413	3.50432	-2.31605	692.70922	ug/L	09/10/10	21:10	
61012-2	Sr	46.11444	46.10876	46.12012	0.01740	ug/L	09/10/10	21:10	
61012-2	Ti	0.82936	1.02758	0.63114	33.79949	ug/L	09/10/10	21:10	
61012-2	Tl	-2.54685	-2.29977	-2.79393	13.71995	ug/L	09/10/10	21:10	
61012-2	V	1.21157	1.33062	1.09252	13.89612	ug/L	09/10/10	21:10	
61012-2	Zn	21.46811	21.32674	21.60947	0.93124	ug/L	09/10/10	21:10	
61012-2	2203/1	4.79168	1.78158	7.80177	88.83983	ug/L	09/10/10	21:10	
61012-2	2203/2	0.93712	0.55609	1.31816	57.50156	ug/L	09/10/10	21:10	
61012-2	1960/1	4.76117	1.58333	7.93901	94.39157	ug/L	09/10/10	21:10	
61012-2	1960/2	-1.74693	-3.38098	-0.11287	132.28349	ug/L	09/10/10	21:10	
61012-2	Y	1002.63519	1007.52490	997.74548	0.68969		09/10/10	21:10	
61012-4	Ag	-0.27093	-0.14643	-0.39542	64.98353	ug/L	09/10/10	21:15	
61012-4	Al	747.71484	751.76019	743.66943	0.76513	ug/L	09/10/10	21:15	
61012-4	2Al	0.74773	0.75178	0.74369	0.76513	mg/L	09/10/10	21:15	
61012-4	As	1.87526	0.55418	3.19635	99.62836	ug/L	09/10/10	21:15	
61012-4	B	-8.03684	-7.18715	-8.88652	14.95154	ug/L	09/10/10	21:15	
61012-4	Ba	71.24696	71.32803	71.16590	0.16091	ug/L	09/10/10	21:15	
61012-4	Be	0.24675	0.24488	0.24863	1.07373	ug/L	09/10/10	21:15	
61012-4	Ca	1825.17309	1828.67260	1821.67358	0.27115	ug/L	09/10/10	21:15	
61012-4	Cd	0.00274	0.14337	-0.13788	7250.33056	ug/L	09/10/10	21:15	
61012-4	Co	0.35790	0.36450	0.35130	2.60684	ug/L	09/10/10	21:15	
61012-4	Cr	-0.48886	-0.78356	-0.19417	85.25047	ug/L	09/10/10	21:15	
61012-4	Cu	0.53685	-0.02490	1.09861	147.98223	ug/L	09/10/10	21:15	
61012-4	Fe	97.32316	90.92964	103.71669	9.29049	ug/L	09/10/10	21:15	
61012-4	2Fe	0.09731	0.09091	0.10370	9.29039	mg/L	09/10/10	21:15	
61012-4	K	2851.37207	2862.44921	2840.29467	0.54940	ug/L	09/10/10	21:15	
61012-4	Mg	3309.70605	3317.92333	3301.48852	0.35112	ug/L	09/10/10	21:15	
61012-4	2Mg	3.30876	3.31697	3.30054	0.35117	mg/L	09/10/10	21:15	
61012-4	Mn	13.02966	13.04505	13.01427	0.16705	ug/L	09/10/10	21:15	
61012-4	Mo	-2.47878	-1.40329	-3.55427	61.35940	ug/L	09/10/10	21:15	
61012-4	Na	10221.50781	10334.29003	10108.72460	1.56042	ug/L	09/10/10	21:15	
61012-4	Ni	1.85835	2.46680	1.24990	46.30325	ug/L	09/10/10	21:15	
61012-4	Pb	0.65715	-0.19608	1.51039	183.61932	ug/L	09/10/10	21:15	
61012-4	Se	0.96022	2.14616	-0.22571	174.66516	ug/L	09/10/10	21:15	
61012-4	Sb	1.32414	1.55423	1.09405	24.57423	ug/L	09/10/10	21:15	
61012-4	Sn	1.32163	1.01774	1.62553	32.51836	ug/L	09/10/10	21:15	
61012-4	Sr	50.66159	50.69550	50.62768	0.09465	ug/L	09/10/10	21:15	
61012-4	Ti	2.04189	1.95561	2.12818	5.97601	ug/L	09/10/10	21:15	
61012-4	Tl	-0.36634	0.46060	-1.19329	319.22982	ug/L	09/10/10	21:15	
61012-4	V	-0.37822	0.22327	-0.97971	224.90588	ug/L	09/10/10	21:15	
61012-4	Zn	3.39844	3.35011	3.44677	2.01119	ug/L	09/10/10	21:15	
61012-4	2203/1	2.53680	2.38119	2.69241	8.67479	ug/L	09/10/10	21:15	
61012-4	2203/2	-0.28126	-1.48279	0.92026	604.13897	ug/L	09/10/10	21:15	
61012-4	1960/1	3.90330	4.26104	3.54556	12.96140	ug/L	09/10/10	21:15	
61012-4	1960/2	-0.50911	1.09030	-2.10853	444.28536	ug/L	09/10/10	21:15	
61012-4	Y	991.87072	986.51202	997.22949	0.76405		09/10/10	21:15	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61007-3F	Ag	-0.49728	-0.95148	-0.04308	129.16735	ug/L	09/10/10	21:21	
61007-3F	Al	6.19993	5.69682	6.70305	11.47609	ug/L	09/10/10	21:21	
61007-3F	2Al	0.00620	0.00569	0.00670	11.47593	mg/L	09/10/10	21:21	
61007-3F	As	46.38824	47.54672	45.22976	3.53178	ug/L	09/10/10	21:21	
61007-3F	B	117.10750	117.50833	116.70667	0.48405	ug/L	09/10/10	21:21	
61007-3F	Ba	553.41784	560.23950	546.59625	1.74320	ug/L	09/10/10	21:21	
61007-3F	Be	0.07710	0.07443	0.07977	4.89743	ug/L	09/10/10	21:21	
61007-3F	Ca	38017.86328	38457.32031	37578.40625	1.63472	ug/L	09/10/10	21:21	
61007-3F	Cd	-0.52925	-0.71827	-0.34023	50.50809	ug/L	09/10/10	21:21	
61007-3F	Co	63.72962	64.01988	63.43936	0.64411	ug/L	09/10/10	21:21	
61007-3F	Cr	1.28584	1.29565	1.27604	1.07827	ug/L	09/10/10	21:21	
61007-3F	Cu	0.55696	0.10128	1.01263	115.70252	ug/L	09/10/10	21:21	
61007-3F	Fe	49421.01562	50036.37500	48805.66015	1.76088	ug/L	09/10/10	21:21	
61007-3F	2Fe	49.41239	50.02529	48.79948	1.75416	mg/L	09/10/10	21:21	
61007-3F	K	6473.31005	6527.44580	6419.17431	1.18269	ug/L	09/10/10	21:21	
61007-3F	Mg	6111.69238	6186.76074	6036.62402	1.73704	ug/L	09/10/10	21:21	
61007-3F	2Mg	6.10314	6.17810	6.02818	1.73701	mg/L	09/10/10	21:21	
61007-3F	Mn	4076.08520	4126.42724	4025.74316	1.74663	ug/L	09/10/10	21:21	
61007-3F	Mo	0.73222	0.96440	0.50004	44.84360	ug/L	09/10/10	21:21	
61007-3F	Na	53635.79296	54054.08203	53217.50390	1.10290	ug/L	09/10/10	21:21	
61007-3F	Ni	9.91307	10.32016	9.50599	5.80759	ug/L	09/10/10	21:21	
61007-3F	Pb	1.17589	0.91215	1.43963	31.71956	ug/L	09/10/10	21:21	
61007-3F	Se	-2.66492	-1.14699	-4.18286	80.55316	ug/L	09/10/10	21:21	
61007-3F	Sb	-1.41989	-2.19945	-0.64033	77.64384	ug/L	09/10/10	21:21	
61007-3F	Sn	-1.30981	-4.47375	1.85411	341.61129	ug/L	09/10/10	21:21	
61007-3F	Sr	1129.19531	1142.83593	1115.55480	1.70835	ug/L	09/10/10	21:21	
61007-3F	Ti	0.13480	-0.12504	0.39465	272.60107	ug/L	09/10/10	21:21	
61007-3F	Tl	-4.45584	-4.67639	-4.23529	6.99990	ug/L	09/10/10	21:21	
61007-3F	V	-1.80758	-2.21240	-1.40277	31.67192	ug/L	09/10/10	21:21	
61007-3F	Zn	37.93634	38.44305	37.42964	1.88892	ug/L	09/10/10	21:21	
61007-3F	2203/1	0.05245	-0.84103	0.94594	2408.87109	ug/L	09/10/10	21:21	
61007-3F	2203/2	1.73674	1.78740	1.68608	4.12503	ug/L	09/10/10	21:21	
61007-3F	1960/1	-4.78478	-3.29730	-6.27226	43.96476	ug/L	09/10/10	21:21	
61007-3F	1960/2	-1.60659	-0.07345	-3.13973	134.95561	ug/L	09/10/10	21:21	
61007-3F	Y	971.92102	967.07818	976.76379	0.70466		09/10/10	21:21	
61007-2F	Ag	0.33291	0.55485	0.11097	94.28120	ug/L	09/10/10	21:26	
61007-2F	Al	-1.16813	3.55341	-5.88967	571.61968	ug/L	09/10/10	21:26	
61007-2F	2Al	-0.00116	0.00355	-0.00588	571.61975	mg/L	09/10/10	21:26	
61007-2F	As	1.28259	1.36601	1.19916	9.19828	ug/L	09/10/10	21:26	
61007-2F	B	-10.72268	-10.04057	-11.40478	8.99623	ug/L	09/10/10	21:26	
61007-2F	Ba	102.02352	101.68802	102.35903	0.46506	ug/L	09/10/10	21:26	
61007-2F	Be	0.03886	0.04989	0.02783	40.13621	ug/L	09/10/10	21:26	
61007-2F	Ca	35287.32812	35164.01953	35410.63281	0.49417	ug/L	09/10/10	21:26	
61007-2F	Cd	0.21114	0.24692	0.17536	23.96473	ug/L	09/10/10	21:26	
61007-2F	Co	4.66855	4.71479	4.62231	1.40064	ug/L	09/10/10	21:26	
61007-2F	Cr	0.86833	1.18237	0.55429	51.14578	ug/L	09/10/10	21:26	
61007-2F	Cu	1.43890	2.18495	0.69284	73.32518	ug/L	09/10/10	21:26	
61007-2F	Fe	13.88650	14.96338	12.80962	10.96703	ug/L	09/10/10	21:26	
61007-2F	2Fe	0.01388	0.01496	0.01280	10.96613	mg/L	09/10/10	21:26	
61007-2F	K	1870.19873	1868.16674	1872.23083	0.15365	ug/L	09/10/10	21:26	
61007-2F	Mg	3927.60253	3918.25244	3936.95263	0.33666	ug/L	09/10/10	21:26	
61007-2F	2Mg	3.92704	3.91769	3.93639	0.33669	mg/L	09/10/10	21:26	
61007-2F	Mn	1201.55029	1198.20263	1204.89794	0.39401	ug/L	09/10/10	21:26	
61007-2F	Mo	2.73959	1.80152	3.67765	48.42407	ug/L	09/10/10	21:26	
61007-2F	Na	19473.55664	19383.98242	19563.13085	0.65050	ug/L	09/10/10	21:26	
61007-2F	Ni	10.34596	9.77259	10.91932	7.83752	ug/L	09/10/10	21:26	
61007-2F	Pb	-0.46022	1.09638	-2.01682	478.32843	ug/L	09/10/10	21:26	
61007-2F	Se	-1.68301	-2.48192	-0.88410	67.13153	ug/L	09/10/10	21:26	
61007-2F	Sb	3.46898	2.00911	4.92885	59.51515	ug/L	09/10/10	21:26	
61007-2F	Sn	-0.68399	-1.43644	0.06845	155.57460	ug/L	09/10/10	21:26	
61007-2F	Sr	187.55578	186.77391	188.33766	0.58955	ug/L	09/10/10	21:26	
61007-2F	Ti	0.22407	0.26797	0.18016	27.71017	ug/L	09/10/10	21:26	
61007-2F	Tl	-1.87529	-4.38100	0.63041	188.96241	ug/L	09/10/10	21:26	
61007-2F	V	-0.19579	-0.06931	-0.32226	91.35370	ug/L	09/10/10	21:26	
61007-2F	Zn	11.49234	11.70876	11.27592	2.66320	ug/L	09/10/10	21:26	
61007-2F	2203/1	1.17632	1.25654	1.09611	9.64384	ug/L	09/10/10	21:26	
61007-2F	2203/2	-1.27727	1.01641	-3.57096	253.96018	ug/L	09/10/10	21:26	
61007-2F	1960/1	2.94862	0.94550	4.95174	96.07324	ug/L	09/10/10	21:26	
61007-2F	1960/2	-3.99536	-4.19307	-3.79764	6.99831	ug/L	09/10/10	21:26	
61007-2F	Y	975.78668	980.96173	970.61163	0.75002		09/10/10	21:26	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61007-1F	Ag	0.03281	0.00860	0.05702	104.34594	ug/L	09/10/10	21:31	
61007-1F	Al	131.34585	133.30123	129.39048	2.10537	ug/L	09/10/10	21:31	
61007-1F	2Al	0.13134	0.13330	0.12939	2.10535	mg/L	09/10/10	21:31	
61007-1F	As	-3.38569	-2.21604	-4.55533	48.85660	ug/L	09/10/10	21:31	
61007-1F	B	-18.34946	-17.56871	-19.13022	6.01733	ug/L	09/10/10	21:31	
61007-1F	Ba	83.92748	83.85926	83.99570	0.11495	ug/L	09/10/10	21:31	
61007-1F	Be	0.03848	0.03757	0.03938	3.32286	ug/L	09/10/10	21:31	
61007-1F	Ca	28230.42968	28239.03515	28221.82421	0.04310	ug/L	09/10/10	21:31	
61007-1F	Cd	-0.16251	-0.09903	-0.22600	55.24579	ug/L	09/10/10	21:31	
61007-1F	Co	5.55878	5.59122	5.52634	0.82534	ug/L	09/10/10	21:31	
61007-1F	Cr	2.09624	2.23057	1.96192	9.06207	ug/L	09/10/10	21:31	
61007-1F	Cu	0.30628	0.09199	0.52057	98.94461	ug/L	09/10/10	21:31	
61007-1F	Fe	222.49011	228.81634	216.16389	4.02113	ug/L	09/10/10	21:31	
61007-1F	2Fe	0.22246	0.22878	0.21613	4.02111	mg/L	09/10/10	21:31	
61007-1F	K	1059.54248	1069.91406	1049.17077	1.38434	ug/L	09/10/10	21:31	
61007-1F	Mg	3070.16479	3074.40869	3065.92089	0.19548	ug/L	09/10/10	21:31	
61007-1F	2Mg	3.06970	3.07394	3.06546	0.19541	mg/L	09/10/10	21:31	
61007-1F	Mn	976.16906	976.56823	975.76995	0.05782	ug/L	09/10/10	21:31	
61007-1F	Mo	-0.37046	2.34124	-3.08218	1035.15747	ug/L	09/10/10	21:31	
61007-1F	Na	15414.52148	15568.81835	15260.22363	1.41560	ug/L	09/10/10	21:31	
61007-1F	Ni	14.46729	14.20028	14.73431	2.61014	ug/L	09/10/10	21:31	
61007-1F	Pb	1.28022	0.04082	2.51963	136.91188	ug/L	09/10/10	21:31	
61007-1F	Se	-2.06846	-3.96998	-0.16693	130.00776	ug/L	09/10/10	21:31	
61007-1F	Sb	-0.98572	-1.07021	-0.90124	12.12085	ug/L	09/10/10	21:31	
61007-1F	Sn	0.37812	0.57893	0.17732	75.10196	ug/L	09/10/10	21:31	
61007-1F	Sr	154.62924	154.76838	154.49011	0.12725	ug/L	09/10/10	21:31	
61007-1F	Ti	3.82531	3.88613	3.76450	2.24823	ug/L	09/10/10	21:31	
61007-1F	Tl	2.39879	2.53025	2.26733	7.75017	ug/L	09/10/10	21:31	
61007-1F	V	-0.06304	-0.16341	0.03733	225.16993	ug/L	09/10/10	21:31	
61007-1F	Zn	11.67521	11.94314	11.40728	3.24539	ug/L	09/10/10	21:31	
61007-1F	2203/1	1.89199	-0.43572	4.21971	173.99035	ug/L	09/10/10	21:31	
61007-1F	2203/2	0.97480	0.27873	1.67086	100.98300	ug/L	09/10/10	21:31	
61007-1F	1960/1	1.46118	-0.27443	3.19680	167.98226	ug/L	09/10/10	21:31	
61007-1F	1960/2	-3.83063	-5.81499	-1.84628	73.25930	ug/L	09/10/10	21:31	
61007-1F	Y	975.39184	973.51965	977.26409	0.27145		09/10/10	21:31	
61078-1	Ag	-1.54907	-1.77090	-1.32724	20.25190	ug/L	09/10/10	21:37	
61078-1	Al	3.76068	5.57769	1.94367	68.32913	ug/L	09/10/10	21:37	
61078-1	2Al	0.00376	0.00557	0.00194	68.32924	mg/L	09/10/10	21:37	
61078-1	As	-1.68560	-0.92452	-2.44667	63.85387	ug/L	09/10/10	21:37	
61078-1	B	92.45589	91.23970	93.67208	1.86028	ug/L	09/10/10	21:37	
61078-1	Ba	15.10140	15.14292	15.05988	0.38879	ug/L	09/10/10	21:37	
61078-1	Be	0.02502	0.02054	0.02950	25.30040	ug/L	09/10/10	21:37	
61078-1	Ca	61707.84375	61648.70703	61766.97656	0.13552	ug/L	09/10/10	21:37	
61078-1	Cd	0.13631	0.28359	-0.01095	152.78866	ug/L	09/10/10	21:37	
61078-1	Co	-0.22404	-0.31219	-0.13588	55.64559	ug/L	09/10/10	21:37	
61078-1	Cr	9.33500	8.54612	10.12388	11.95122	ug/L	09/10/10	21:37	
61078-1	Cu	2.43627	1.99431	2.87822	25.65471	ug/L	09/10/10	21:37	
61078-1	Fe	80.56179	79.49472	81.62888	1.87319	ug/L	09/10/10	21:37	
61078-1	2Fe	0.08055	0.07948	0.08161	1.87322	mg/L	09/10/10	21:37	
61078-1	K	4382.01562	4378.51953	4385.51123	0.11282	ug/L	09/10/10	21:37	
61078-1	Mg	12916.46582	12903.86914	12929.06250	0.13792	ug/L	09/10/10	21:37	
61078-1	2Mg	12.91281	12.90021	12.92540	0.13791	mg/L	09/10/10	21:37	
61078-1	Mn	17.19909	17.11404	17.28413	0.69932	ug/L	09/10/10	21:37	
61078-1	Mo	13.43198	13.26646	13.59750	1.74269	ug/L	09/10/10	21:37	
61078-1	Na	19340.99609	19300.10546	19381.88867	0.29899	ug/L	09/10/10	21:37	
61078-1	Ni	3.02045	2.39240	3.64849	29.40587	ug/L	09/10/10	21:37	
61078-1	Pb	1.21724	-0.25122	2.68571	170.60856	ug/L	09/10/10	21:37	
61078-1	Se	-3.07255	-2.64142	-3.50368	19.84377	ug/L	09/10/10	21:37	
61078-1	Sb	-0.86095	0.09911	-1.82101	157.70211	ug/L	09/10/10	21:37	
61078-1	Sn	3.39823	2.15633	4.64012	51.68280	ug/L	09/10/10	21:37	
61078-1	Sr	49.61027	49.53915	49.68139	0.20274	ug/L	09/10/10	21:37	
61078-1	Ti	0.03933	-0.06772	0.14638	384.94528	ug/L	09/10/10	21:37	
61078-1	Tl	-5.11445	-5.12119	-5.10772	0.18630	ug/L	09/10/10	21:37	
61078-1	V	-0.49078	-0.39371	-0.58785	27.97006	ug/L	09/10/10	21:37	
61078-1	Zn	13.54971	13.49269	13.60674	0.59521	ug/L	09/10/10	21:37	
61078-1	2203/1	0.45139	-3.74340	4.64619	1314.22558	ug/L	09/10/10	21:37	
61078-1	2203/2	1.59959	1.49225	1.70694	9.49071	ug/L	09/10/10	21:37	
61078-1	1960/1	0.16088	-0.53454	0.85631	611.29901	ug/L	09/10/10	21:37	
61078-1	1960/2	-4.68685	-3.69328	-5.68041	29.97996	ug/L	09/10/10	21:37	
61078-1	Y	998.79687	997.91741	999.67633	0.12452		09/10/10	21:37	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61077-2	Ag	-0.37204	-0.44458	-0.29951	27.57165	ug/L	09/10/10	21:42	
61077-2	Al	6.07583	9.24983	2.90184	73.87797	ug/L	09/10/10	21:42	
61077-2	2Al	0.00607	0.00925	0.00290	73.87777	mg/L	09/10/10	21:42	
61077-2	As	-2.49409	-4.75914	-0.22904	128.43367	ug/L	09/10/10	21:42	
61077-2	B	13.09094	13.91485	12.26703	8.90073	ug/L	09/10/10	21:42	
61077-2	Ba	14.15101	14.61413	13.68790	4.62826	ug/L	09/10/10	21:42	
61077-2	Be	0.04381	0.01189	0.07572	103.02194	ug/L	09/10/10	21:42	
61077-2	Ca	144001.75000	148504.34375	139499.14062	4.42191	ug/L	09/10/10	21:42	
61077-2	Cd	1.78227	1.99081	1.57373	16.54738	ug/L	09/10/10	21:42	
61077-2	Co	-0.82248	-1.19248	-0.45248	63.61930	ug/L	09/10/10	21:42	
61077-2	Cr	7.18297	7.61876	6.74718	8.58002	ug/L	09/10/10	21:42	
61077-2	Cu	7.21298	7.77466	6.65130	11.01262	ug/L	09/10/10	21:42	
61077-2	Fe	760.89819	775.59399	746.20233	2.73138	ug/L	09/10/10	21:42	
61077-2	2Fe	0.76080	0.77549	0.74610	2.73136	mg/L	09/10/10	21:42	
61077-2	K	2037.89135	2089.04125	1986.74145	3.54959	ug/L	09/10/10	21:42	
61077-2	Mg	8002.78710	8255.16113	7750.41357	4.45982	ug/L	09/10/10	21:42	
61077-2	2Mg	8.00041	8.25271	7.74811	4.45986	mg/L	09/10/10	21:42	
61077-2	Mn	46.95254	48.48246	45.42262	4.60813	ug/L	09/10/10	21:42	
61077-2	Mo	2.83359	2.77854	2.88864	2.74752	ug/L	09/10/10	21:42	
61077-2	Na	23100.65234	23608.47851	22592.82617	3.10889	ug/L	09/10/10	21:42	
61077-2	Ni	4.73950	5.37659	4.10242	19.00994	ug/L	09/10/10	21:42	
61077-2	Pb	1.31199	1.65600	0.96799	37.08032	ug/L	09/10/10	21:42	
61077-2	Se	-4.31217	-7.82264	-0.80169	115.12902	ug/L	09/10/10	21:42	
61077-2	Sb	0.21662	-2.38739	2.82065	1699.98876	ug/L	09/10/10	21:42	
61077-2	Sn	0.32633	-1.16122	1.81388	644.65850	ug/L	09/10/10	21:42	
61077-2	Sr	95.46390	98.40322	92.52458	4.35433	ug/L	09/10/10	21:42	
61077-2	Ti	0.21422	0.17441	0.25404	26.28553	ug/L	09/10/10	21:42	
61077-2	Tl	-4.63019	-2.15771	-7.10268	75.51771	ug/L	09/10/10	21:42	
61077-2	V	-1.06644	-1.04503	-1.08784	2.83813	ug/L	09/10/10	21:42	
61077-2	Zn	13.46143	13.71722	13.20563	2.68729	ug/L	09/10/10	21:42	
61077-2	2203/1	1.87395	0.65668	3.09122	91.86338	ug/L	09/10/10	21:42	
61077-2	2203/2	1.03144	2.15491	-0.09202	154.03924	ug/L	09/10/10	21:42	
61077-2	1960/1	-2.26112	-3.55516	-0.96709	80.93498	ug/L	09/10/10	21:42	
61077-2	1960/2	-5.33615	-9.95318	-0.71912	122.36280	ug/L	09/10/10	21:42	
61077-2	Y	985.82800	957.92413	1013.73181	4.00292		09/10/10	21:42	
CCV	Ag	511.23229	513.26568	509.19888	0.56249	ug/L	09/10/10	21:47	
CCV	Al	5177.75976	5194.63867	5160.88037	0.46102	ug/L	09/10/10	21:47	
CCV	2Al	5.17757	5.19435	5.16078	0.45843	mg/L	09/10/10	21:47	
CCV	As	516.41796	518.46154	514.37445	0.55962	ug/L	09/10/10	21:47	
CCV	B	5058.00537	5070.58984	5045.42089	0.35186	ug/L	09/10/10	21:47	
CCV	Ba	5164.76464	5178.08544	5151.44433	0.36474	ug/L	09/10/10	21:47	
CCV	Be	507.11212	509.44992	504.77435	0.65195	ug/L	09/10/10	21:47	
CCV	Ca	5163.72753	5163.38330	5164.07128	0.00942	ug/L	09/10/10	21:47	
CCV	Cd	505.49096	506.22872	504.75317	0.20640	ug/L	09/10/10	21:47	
CCV	Co	512.02600	514.95983	509.09219	0.81032	ug/L	09/10/10	21:47	
CCV	Cr	5089.98583	5099.89257	5080.07910	0.27525	ug/L	09/10/10	21:47	
CCV	Cu	5141.84277	5158.31103	5125.37451	0.45294	ug/L	09/10/10	21:47	
CCV	Fe	5148.37060	5162.62744	5134.11376	0.39162	ug/L	09/10/10	21:47	
CCV	2Fe	5.14836	5.16262	5.13411	0.39163	mg/L	09/10/10	21:47	
CCV	K	10173.13769	10226.95507	10119.32031	0.74813	ug/L	09/10/10	21:47	
CCV	Mg	5142.32763	5156.49169	5128.16357	0.38953	ug/L	09/10/10	21:47	
CCV	2Mg	5.14232	5.15648	5.12815	0.38949	mg/L	09/10/10	21:47	
CCV	Mn	5128.63964	5140.16308	5117.11669	0.31775	ug/L	09/10/10	21:47	
CCV	Mo	508.43014	507.89108	508.96920	0.14994	ug/L	09/10/10	21:47	
CCV	Na	7674.00195	7829.16601	7518.83837	2.85945	ug/L	09/10/10	21:47	
CCV	Ni	2564.31469	2571.37011	2557.25927	0.38910	ug/L	09/10/10	21:47	
CCV	Pb	516.10870	518.39880	513.81860	0.62752	ug/L	09/10/10	21:47	
CCV	Se	5106.14746	5127.01269	5085.28222	0.57788	ug/L	09/10/10	21:47	
CCV	Sb	518.42376	522.33978	514.50775	1.06825	ug/L	09/10/10	21:47	
CCV	Sn	5110.39843	5119.82958	5100.96728	0.26099	ug/L	09/10/10	21:47	
CCV	Sr	2565.81787	2575.84667	2555.78930	0.55275	ug/L	09/10/10	21:47	
CCV	Ti	512.98071	513.98291	511.97851	0.27629	ug/L	09/10/10	21:47	
CCV	Tl	5096.87304	5106.85302	5086.89306	0.27691	ug/L	09/10/10	21:47	
CCV	V	5147.36914	5162.53906	5132.19873	0.41679	ug/L	09/10/10	21:47	
CCV	Zn	2569.95751	2576.57519	2563.34008	0.36415	ug/L	09/10/10	21:47	
CCV	2203/1	522.86492	525.90820	519.82165	0.82312	ug/L	09/10/10	21:47	
CCV	2203/2	512.73107	514.64520	510.81701	0.52794	ug/L	09/10/10	21:47	
CCV	1960/1	5188.22851	5217.56494	5158.89160	0.79966	ug/L	09/10/10	21:47	
CCV	1960/2	5065.16845	5081.80419	5048.53271	0.46447	ug/L	09/10/10	21:47	
CCV	Y	995.47454	990.22521	1000.72387	0.74574		09/10/10	21:47	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.17545	-0.73574	0.38483	451.61404	ug/L	09/10/10	21:53	
CCB	Al	-13.70709	-14.03302	-13.38115	3.36284	ug/L	09/10/10	21:53	
CCB	2Al	-0.01370	-0.01403	-0.01338	3.36273	mg/L	09/10/10	21:53	
CCB	As	-0.47006	1.40126	-2.34139	562.99841	ug/L	09/10/10	21:53	
CCB	B	-13.51519	-12.01868	-15.01169	15.65924	ug/L	09/10/10	21:53	
CCB	Ba	1.02285	-0.07020	2.11590	151.12789	ug/L	09/10/10	21:53	
CCB	Be	0.11943	0.01111	0.22775	128.26480	ug/L	09/10/10	21:53	
CCB	Ca	10.02513	5.89808	14.15217	58.21894	ug/L	09/10/10	21:53	
CCB	Cd	0.06590	0.05279	0.07901	28.12665	ug/L	09/10/10	21:53	
CCB	Co	-0.70955	-0.92459	-0.49451	42.86011	ug/L	09/10/10	21:53	
CCB	Cr	0.38629	-0.57430	1.34688	351.67459	ug/L	09/10/10	21:53	
CCB	Cu	0.63785	-0.16373	1.43945	177.72404	ug/L	09/10/10	21:53	
CCB	Fe	3.43990	-2.29531	9.17511	235.78646	ug/L	09/10/10	21:53	
CCB	2Fe	0.00343	-0.00229	0.00917	235.80928	mg/L	09/10/10	21:53	
CCB	K	1.95509	-4.95110	8.86128	499.55886	ug/L	09/10/10	21:53	
CCB	Mg	0.03172	-1.55666	1.62011	7081.35253	ug/L	09/10/10	21:53	
CCB	2Mg	0.00003	-0.00155	0.00161	7119.44921	mg/L	09/10/10	21:53	
CCB	Mn	0.92644	-0.08755	1.94044	154.78643	ug/L	09/10/10	21:53	
CCB	Mo	-1.58744	-0.70137	-2.47352	78.93804	ug/L	09/10/10	21:53	
CCB	Na	103.66233	141.75440	65.57025	51.96712	ug/L	09/10/10	21:53	
CCB	Ni	0.30286	0.02294	0.58278	130.70565	ug/L	09/10/10	21:53	
CCB	Pb	1.18820	2.70275	-0.32634	180.26277	ug/L	09/10/10	21:53	
CCB	Se	3.36452	3.80994	2.91910	18.72232	ug/L	09/10/10	21:53	
CCB	Sb	0.17883	1.40359	-1.04592	968.52392	ug/L	09/10/10	21:53	
CCB	Sn	2.39559	4.37051	0.42066	116.58773	ug/L	09/10/10	21:53	
CCB	Sr	0.46071	-0.03273	0.95415	151.46832	ug/L	09/10/10	21:53	
CCB	Ti	0.02505	-0.17407	0.22419	1123.99365	ug/L	09/10/10	21:53	
CCB	Tl	2.92096	0.65378	5.18814	109.76757	ug/L	09/10/10	21:53	
CCB	V	0.17171	-1.17311	1.51655	1107.57214	ug/L	09/10/10	21:53	
CCB	Zn	0.19737	-0.38056	0.77530	414.10446	ug/L	09/10/10	21:53	
CCB	2203/1	3.80745	4.58498	3.02992	28.87993	ug/L	09/10/10	21:53	
CCB	2203/2	-0.11945	1.76305	-2.00196	2228.69165	ug/L	09/10/10	21:53	
CCB	1960/1	8.43840	10.66199	6.21481	37.26567	ug/L	09/10/10	21:53	
CCB	1960/2	0.83138	0.38905	1.27372	75.24179	ug/L	09/10/10	21:53	
CCB	Y	1007.47021	1010.19842	1004.74194	0.38297		09/10/10	21:53	
61076-3	Ag	-0.80867	-1.12355	-0.49380	55.06502	ug/L	09/10/10	21:58	
61076-3	Al	-2.11078	-5.21455	0.99299	207.95166	ug/L	09/10/10	21:58	
61076-3	2Al	-0.00211	-0.00521	0.00099	207.95368	mg/L	09/10/10	21:58	
61076-3	As	-1.69967	-0.41966	-2.97969	106.50313	ug/L	09/10/10	21:58	
61076-3	B	0.04068	-0.88799	0.96935	3228.44213	ug/L	09/10/10	21:58	
61076-3	Ba	13.98792	13.96115	14.01469	0.27064	ug/L	09/10/10	21:58	
61076-3	Be	0.01892	0.01934	0.01850	3.14076	ug/L	09/10/10	21:58	
61076-3	Ca	24478.10937	24447.04882	24509.16796	0.17944	ug/L	09/10/10	21:58	
61076-3	Cd	0.00053	0.17687	-0.17580	46333.62500	ug/L	09/10/10	21:58	
61076-3	Co	-0.06377	-0.22549	0.09794	358.59249	ug/L	09/10/10	21:58	
61076-3	Cr	11.50507	11.49850	11.51164	0.08076	ug/L	09/10/10	21:58	
61076-3	Cu	4.62191	4.29699	4.94682	9.94180	ug/L	09/10/10	21:58	
61076-3	Fe	12.57929	7.88626	17.27232	52.76086	ug/L	09/10/10	21:58	
61076-3	2Fe	0.01257	0.00788	0.01726	52.76190	mg/L	09/10/10	21:58	
61076-3	K	706.08715	701.79071	710.38354	0.86052	ug/L	09/10/10	21:58	
61076-3	Mg	13505.05859	13484.74121	13525.37597	0.21275	ug/L	09/10/10	21:58	
61076-3	2Mg	13.50124	13.48093	13.52155	0.21274	mg/L	09/10/10	21:58	
61076-3	Mn	7.49002	7.43787	7.54217	0.98463	ug/L	09/10/10	21:58	
61076-3	Mo	-0.02325	0.56998	-0.61650	3607.05151	ug/L	09/10/10	21:58	
61076-3	Na	2614.95556	2589.99902	2639.91186	1.34968	ug/L	09/10/10	21:58	
61076-3	Ni	4.06596	3.48587	4.64605	20.17654	ug/L	09/10/10	21:58	
61076-3	Pb	-0.17784	-0.18315	-0.17253	4.22096	ug/L	09/10/10	21:58	
61076-3	Se	-3.33803	-4.77415	-1.90190	60.84391	ug/L	09/10/10	21:58	
61076-3	Sb	-0.67515	-1.12702	-0.22329	94.64973	ug/L	09/10/10	21:58	
61076-3	Sn	-0.74590	-0.65240	-0.83940	17.72809	ug/L	09/10/10	21:58	
61076-3	Sr	21.15047	21.09834	21.20259	0.34852	ug/L	09/10/10	21:58	
61076-3	Ti	0.08227	0.08451	0.08002	3.86406	ug/L	09/10/10	21:58	
61076-3	Tl	-0.57221	-3.46067	2.31624	713.87072	ug/L	09/10/10	21:58	
61076-3	V	-0.93673	-0.58944	-1.28403	52.43207	ug/L	09/10/10	21:58	
61076-3	Zn	3.13407	3.14165	3.12648	0.34223	ug/L	09/10/10	21:58	
61076-3	2203/1	-1.82620	-1.91319	-1.73920	6.73684	ug/L	09/10/10	21:58	
61076-3	2203/2	0.64509	0.68057	0.60962	7.77670	ug/L	09/10/10	21:58	
61076-3	1960/1	-6.76085	-8.26908	-5.25261	31.54874	ug/L	09/10/10	21:58	
61076-3	1960/2	-1.62918	-3.02931	-0.22906	121.53780	ug/L	09/10/10	21:58	
61076-3	Y	1003.36608	1010.78472	995.94744	1.04563		09/10/10	21:58	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60945-6	Ag	-0.04460	-0.29473	0.20552	793.01800	ug/L	09/10/10	22:03	
60945-6	Al	61.88816	62.52832	61.24800	1.46283	ug/L	09/10/10	22:03	
60945-6	2Al	0.06188	0.06253	0.06124	1.46282	mg/L	09/10/10	22:03	
60945-6	As	-1.19480	-0.25164	-2.13796	111.63540	ug/L	09/10/10	22:03	
60945-6	B	178.68978	179.67399	177.70556	0.77894	ug/L	09/10/10	22:03	
60945-6	Ba	32.12006	32.18069	32.05943	0.26695	ug/L	09/10/10	22:03	
60945-6	Be	0.03846	0.04272	0.03419	15.67012	ug/L	09/10/10	22:03	
60945-6	Ca	186967.84375	187395.57812	186540.09375	0.32354	ug/L	09/10/10	22:03	
60945-6	Cd	7.70951	7.66145	7.75756	0.88152	ug/L	09/10/10	22:03	
60945-6	Co	-0.01730	-0.23027	0.19565	1739.91943	ug/L	09/10/10	22:03	
60945-6	Cr	58.66625	58.82319	58.50931	0.37831	ug/L	09/10/10	22:03	
60945-6	Cu	30.92158	31.65913	30.18403	3.37323	ug/L	09/10/10	22:03	
60945-6	Fe	4198.27441	4205.74267	4190.80566	0.25158	ug/L	09/10/10	22:03	
60945-6	2Fe	4.19774	4.20520	4.19027	0.25158	mg/L	09/10/10	22:03	
60945-6	K	11071.37890	11108.10449	11034.65234	0.46912	ug/L	09/10/10	22:03	
60945-6	Mg	10357.01464	10389.87597	10324.15332	0.44870	ug/L	09/10/10	22:03	
60945-6	2Mg	10.35337	10.38622	10.32052	0.44872	mg/L	09/10/10	22:03	
60945-6	Mn	43.65026	43.71342	43.58710	0.20463	ug/L	09/10/10	22:03	
60945-6	Mo	12.25229	10.75122	13.75335	17.32599	ug/L	09/10/10	22:03	
60945-6	Na	50570.87109	50586.45312	50555.28906	0.04357	ug/L	09/10/10	22:03	
60945-6	Ni	12.48243	12.61766	12.34719	1.53212	ug/L	09/10/10	22:03	
60945-6	Pb	6.75991	6.37250	7.14731	8.10473	ug/L	09/10/10	22:03	
60945-6	Se	0.35767	-0.33230	1.04765	272.81134	ug/L	09/10/10	22:03	
60945-6	Sb	4.86012	7.61259	2.10766	80.09195	ug/L	09/10/10	22:03	
60945-6	Sn	1.56074	-0.00648	3.12798	142.00883	ug/L	09/10/10	22:03	
60945-6	Sr	139.69964	140.02571	139.37359	0.33007	ug/L	09/10/10	22:03	
60945-6	Ti	1.18016	1.20549	1.15483	3.03532	ug/L	09/10/10	22:03	
60945-6	Tl	0.58684	1.17732	-0.00363	142.29692	ug/L	09/10/10	22:03	
60945-6	V	-0.75386	-0.64315	-0.86457	20.76880	ug/L	09/10/10	22:03	
60945-6	Zn	51.31598	51.77154	50.86041	1.25549	ug/L	09/10/10	22:03	
60945-6	2203/1	8.10305	4.97568	11.23041	54.58144	ug/L	09/10/10	22:03	
60945-6	2203/2	6.08935	7.06987	5.10882	22.77200	ug/L	09/10/10	22:03	
60945-6	1960/1	1.85430	-0.21619	3.92481	157.90962	ug/L	09/10/10	22:03	
60945-6	1960/2	-0.38951	-0.39027	-0.38876	0.27369	ug/L	09/10/10	22:03	
60945-6	Y	980.83666	981.42291	980.25036	0.08453		09/10/10	22:03	
60945-1	Ag	0.59486	0.82466	0.36505	54.63370	ug/L	09/10/10	22:09	
60945-1	Al	47.13571	52.10696	42.16447	14.91522	ug/L	09/10/10	22:09	
60945-1	2Al	0.04713	0.05210	0.04216	14.91523	mg/L	09/10/10	22:09	
60945-1	As	5.06853	4.09941	6.03766	27.04041	ug/L	09/10/10	22:09	
60945-1	B	92.12982	94.78372	89.47593	4.07378	ug/L	09/10/10	22:09	
60945-1	Ba	20.29936	20.33325	20.26548	0.23610	ug/L	09/10/10	22:09	
60945-1	Be	0.03513	0.02611	0.04416	36.32361	ug/L	09/10/10	22:09	
60945-1	Ca	81205.87500	81586.75000	80825.00781	0.66329	ug/L	09/10/10	22:09	
60945-1	Cd	0.48666	0.45046	0.52287	10.51998	ug/L	09/10/10	22:09	
60945-1	Co	0.61895	1.92664	-0.68874	298.78979	ug/L	09/10/10	22:09	
60945-1	Cr	8.90764	10.24596	7.56932	21.24767	ug/L	09/10/10	22:09	
60945-1	Cu	7.24190	8.47116	6.01263	24.00537	ug/L	09/10/10	22:09	
60945-1	Fe	211.11480	217.90979	204.31982	4.55181	ug/L	09/10/10	22:09	
60945-1	2Fe	0.21108	0.21788	0.20429	4.55206	mg/L	09/10/10	22:09	
60945-1	K	8639.35742	8625.04785	8653.66699	0.23423	ug/L	09/10/10	22:09	
60945-1	Mg	15020.79296	15114.92480	14926.66113	0.88625	ug/L	09/10/10	22:09	
60945-1	2Mg	15.01652	15.11063	14.92242	0.88624	mg/L	09/10/10	22:09	
60945-1	Mn	25.73555	26.01860	25.45250	1.55541	ug/L	09/10/10	22:09	
60945-1	Mo	22.12398	23.30789	20.94007	7.56782	ug/L	09/10/10	22:09	
60945-1	Na	32791.29296	33037.71093	32544.87695	1.06274	ug/L	09/10/10	22:09	
60945-1	Ni	3.14436	3.89854	2.39018	33.91999	ug/L	09/10/10	22:09	
60945-1	Pb	0.70626	0.83126	0.58127	25.02873	ug/L	09/10/10	22:09	
60945-1	Se	-3.13868	-4.02511	-2.25225	39.94041	ug/L	09/10/10	22:09	
60945-1	Sb	2.19752	-0.36839	4.76344	165.12924	ug/L	09/10/10	22:09	
60945-1	Sn	2.29531	2.31783	2.27279	1.38748	ug/L	09/10/10	22:09	
60945-1	Sr	69.77853	69.99720	69.55985	0.44319	ug/L	09/10/10	22:09	
60945-1	Ti	0.81948	1.11797	0.52099	51.51094	ug/L	09/10/10	22:09	
60945-1	Tl	-1.63840	0.31666	-3.59347	168.75494	ug/L	09/10/10	22:09	
60945-1	V	0.36587	0.14159	0.59014	86.68935	ug/L	09/10/10	22:09	
60945-1	Zn	35.21193	35.90677	34.51709	2.79068	ug/L	09/10/10	22:09	
60945-1	2203/1	-0.01041	-1.98727	1.96643	26832.80078	ug/L	09/10/10	22:09	
60945-1	2203/2	1.06407	2.23841	-0.11027	156.07705	ug/L	09/10/10	22:09	
60945-1	1960/1	-4.01323	-4.42902	-3.59743	14.65220	ug/L	09/10/10	22:09	
60945-1	1960/2	-2.70206	-3.82346	-1.58067	58.69182	ug/L	09/10/10	22:09	
60945-1	Y	967.14465	965.54602	968.74328	0.23376		09/10/10	22:09	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61007-3	Ag	-0.17527	-0.34645	-0.00410	138.10888	ug/L	09/10/10	22:14	
61007-3	Al	33.99075	32.06656	35.91494	8.00575	ug/L	09/10/10	22:14	
61007-3	2Al	0.03399	0.03206	0.03591	8.00575	mg/L	09/10/10	22:14	
61007-3	As	47.59824	46.06694	49.12954	4.54972	ug/L	09/10/10	22:14	
61007-3	B	105.30522	104.17180	106.43862	1.52213	ug/L	09/10/10	22:14	
61007-3	Ba	493.38342	493.60702	493.15979	0.06409	ug/L	09/10/10	22:14	
61007-3	Be	0.13153	0.13095	0.13211	0.62707	ug/L	09/10/10	22:14	
61007-3	Ca	34116.54687	34094.83593	34138.25781	0.08999	ug/L	09/10/10	22:14	
61007-3	Cd	-0.19971	-0.13901	-0.26041	42.98112	ug/L	09/10/10	22:14	
61007-3	Co	59.05683	57.90137	60.21230	2.76694	ug/L	09/10/10	22:14	
61007-3	Cr	1.10311	0.47650	1.72972	80.33289	ug/L	09/10/10	22:14	
61007-3	Cu	0.85366	0.44989	1.25744	66.89048	ug/L	09/10/10	22:14	
61007-3	Fe	46870.01171	46858.93359	46881.08984	0.03342	ug/L	09/10/10	22:14	
61007-3	2Fe	46.86351	46.85185	46.87516	0.03516	mg/L	09/10/10	22:14	
61007-3	K	5959.75195	5953.22070	5966.28320	0.15498	ug/L	09/10/10	22:14	
61007-3	Mg	5546.08105	5535.52392	5556.63818	0.26919	ug/L	09/10/10	22:14	
61007-3	2Mg	5.53756	5.52701	5.54811	0.26949	mg/L	09/10/10	22:14	
61007-3	Mn	2820.74731	2819.45532	2822.03930	0.06477	ug/L	09/10/10	22:14	
61007-3	Mo	-0.65638	-0.47666	-0.83610	38.72188	ug/L	09/10/10	22:14	
61007-3	Na	49467.00781	49286.10937	49647.90625	0.51717	ug/L	09/10/10	22:14	
61007-3	Ni	9.56566	8.86777	10.26355	10.31775	ug/L	09/10/10	22:14	
61007-3	Pb	-0.70155	-1.10058	-0.30253	80.43618	ug/L	09/10/10	22:14	
61007-3	Se	1.57459	-1.58626	4.73544	283.89123	ug/L	09/10/10	22:14	
61007-3	Sb	0.31278	-0.98261	1.60817	585.70611	ug/L	09/10/10	22:14	
61007-3	Sn	-0.62729	-0.93081	-0.32377	68.42816	ug/L	09/10/10	22:14	
61007-3	Sr	1031.14477	1031.04699	1031.24255	0.01341	ug/L	09/10/10	22:14	
61007-3	Ti	1.02604	0.96305	1.08904	8.68281	ug/L	09/10/10	22:14	
61007-3	Tl	-5.29158	-4.90341	-5.67975	10.37416	ug/L	09/10/10	22:14	
61007-3	V	-0.60399	-0.96311	-0.24488	84.08389	ug/L	09/10/10	22:14	
61007-3	Zn	24.37947	24.23983	24.51911	0.81003	ug/L	09/10/10	22:14	
61007-3	2203/1	0.28629	2.51743	-1.94483	1102.10998	ug/L	09/10/10	22:14	
61007-3	2203/2	-1.19475	-2.90689	0.51738	202.66394	ug/L	09/10/10	22:14	
61007-3	1960/1	1.79207	1.37423	2.20991	32.97350	ug/L	09/10/10	22:14	
61007-3	1960/2	1.46601	-3.06429	5.99631	437.02432	ug/L	09/10/10	22:14	
61007-3	Y	1000.33691	999.06658	1001.60717	0.17958		09/10/10	22:14	
61007-2	Ag	-0.08908	0.26640	-0.44458	564.32281	ug/L	09/10/10	22:20	
61007-2	Al	123528.48437	123438.64062	123618.32031	0.10285	ug/L	09/10/10	22:20	
61007-2	2Al	123.52314	123.43432	123.61196	0.10169	mg/L	09/10/10	22:20	
61007-2	As	21.60407	20.83613	22.37201	5.02695	ug/L	09/10/10	22:20	
61007-2	B	-0.31586	0.22971	-0.86144	244.27232	ug/L	09/10/10	22:20	
61007-2	Ba	2980.25097	2975.90307	2984.59912	0.20632	ug/L	09/10/10	22:20	
61007-2	Be	17.97639	17.94507	18.00771	0.24641	ug/L	09/10/10	22:20	
61007-2	Ca	146775.93750	146519.00000	147032.87500	0.24756	ug/L	09/10/10	22:20	
61007-2	Cd	8.12504	7.81654	8.43355	5.36976	ug/L	09/10/10	22:20	
61007-2	Co	198.89010	198.74369	199.03649	0.10409	ug/L	09/10/10	22:20	
61007-2	Cr	303.30871	302.92605	303.69137	0.17841	ug/L	09/10/10	22:20	
61007-2	Cu	345.02432	344.87615	345.17248	0.06073	ug/L	09/10/10	22:20	
61007-2	Fe	144654.45312	144356.71875	144952.18750	0.29107	ug/L	09/10/10	22:20	
61007-2	2Fe	144.62617	144.32960	144.92274	0.28999	mg/L	09/10/10	22:20	
61007-2	K	10020.92578	10024.63671	10017.21386	0.05237	ug/L	09/10/10	22:20	
61007-2	Mg	30806.36132	30778.64062	30834.08203	0.12725	ug/L	09/10/10	22:20	
61007-2	2Mg	30.77926	30.75159	30.80693	0.12713	mg/L	09/10/10	22:20	
61007-2	Mn	15353.16406	15338.60839	15367.71972	0.13407	ug/L	09/10/10	22:20	
61007-2	Mo	11.25683	11.08666	11.42700	2.13791	ug/L	09/10/10	22:20	
61007-2	Na	22848.61718	22764.60742	22932.62890	0.51998	ug/L	09/10/10	22:20	
61007-2	Ni	259.56503	259.38485	259.74520	0.09816	ug/L	09/10/10	22:20	
61007-2	Pb	152.09191	150.85794	153.32591	1.14741	ug/L	09/10/10	22:20	
61007-2	Se	17.05684	19.80183	14.31185	22.75919	ug/L	09/10/10	22:20	
61007-2	Sb	1.67041	-0.95118	4.29202	221.95124	ug/L	09/10/10	22:20	
61007-2	Sn	6.74546	6.56573	6.92519	3.76808	ug/L	09/10/10	22:20	
61007-2	Sr	861.85137	861.26892	862.43383	0.09557	ug/L	09/10/10	22:20	
61007-2	Ti	2468.14746	2467.44750	2468.84741	0.04010	ug/L	09/10/10	22:20	
61007-2	Tl	-1.27186	-1.03662	-1.50710	26.15662	ug/L	09/10/10	22:20	
61007-2	V	361.74798	361.59146	361.90451	0.06119	ug/L	09/10/10	22:20	
61007-2	Zn	901.52838	900.13317	902.92358	0.21886	ug/L	09/10/10	22:20	
61007-2	2203/1	162.00628	159.40217	164.61041	2.27323	ug/L	09/10/10	22:20	
61007-2	2203/2	147.14216	146.59222	147.69210	0.52856	ug/L	09/10/10	22:20	
61007-2	1960/1	16.43930	11.88158	20.99702	39.20840	ug/L	09/10/10	22:20	
61007-2	1960/2	17.36515	23.75602	10.97428	52.04707	ug/L	09/10/10	22:20	
61007-2	Y	1031.66479	1034.20532	1029.12414	0.34826		09/10/10	22:20	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61007-1	Ag	0.14526	-0.10200	0.39252	240.72618	ug/L	09/10/10	22:25	
61007-1	Al	14030.03710	14019.09277	14040.98046	0.11031	ug/L	09/10/10	22:25	
61007-1	2Al	14.03005	14.01911	14.04099	0.11030	mg/L	09/10/10	22:25	
61007-1	As	10.99850	10.94177	11.05522	0.72939	ug/L	09/10/10	22:25	
61007-1	B	-16.09463	-16.51737	-15.67190	3.71448	ug/L	09/10/10	22:25	
61007-1	Ba	260.35815	260.35049	260.36581	0.00416	ug/L	09/10/10	22:25	
61007-1	Be	1.50595	1.50328	1.50862	0.25106	ug/L	09/10/10	22:25	
61007-1	Ca	34185.74218	34173.48828	34198.00000	0.05070	ug/L	09/10/10	22:25	
61007-1	Cd	0.45877	0.29859	0.61895	49.37780	ug/L	09/10/10	22:25	
61007-1	Co	60.78742	60.01411	61.56073	1.79910	ug/L	09/10/10	22:25	
61007-1	Cr	30.03103	29.87372	30.18834	0.74081	ug/L	09/10/10	22:25	
61007-1	Cu	14.58806	14.48059	14.69553	1.04183	ug/L	09/10/10	22:25	
61007-1	Fe	24946.54882	24940.91796	24952.17968	0.03192	ug/L	09/10/10	22:25	
61007-1	2Fe	24.94340	24.93777	24.94903	0.03192	mg/L	09/10/10	22:25	
61007-1	K	1877.04589	1873.26428	1880.82739	0.28491	ug/L	09/10/10	22:25	
61007-1	Mg	4262.01660	4258.64453	4265.38867	0.11189	ug/L	09/10/10	22:25	
61007-1	2Mg	4.25789	4.25452	4.26126	0.11190	mg/L	09/10/10	22:25	
61007-1	Mn	3208.86376	3210.22241	3207.50512	0.05987	ug/L	09/10/10	22:25	
61007-1	Mo	2.88208	4.01268	1.75149	55.47718	ug/L	09/10/10	22:25	
61007-1	Na	16179.24511	16123.83593	16234.65429	0.48432	ug/L	09/10/10	22:25	
61007-1	Ni	48.78823	48.53499	49.04145	0.73402	ug/L	09/10/10	22:25	
61007-1	Pb	10.25275	11.26156	9.24394	13.91499	ug/L	09/10/10	22:25	
61007-1	Se	2.84202	1.03291	4.65112	90.02254	ug/L	09/10/10	22:25	
61007-1	Sb	-0.61992	0.99209	-2.23195	367.74395	ug/L	09/10/10	22:25	
61007-1	Sn	0.96363	1.91592	0.01133	139.75721	ug/L	09/10/10	22:25	
61007-1	Sr	191.82884	191.99377	191.66390	0.12159	ug/L	09/10/10	22:25	
61007-1	Ti	280.50286	280.14285	280.86288	0.18150	ug/L	09/10/10	22:25	
61007-1	Tl	-5.74294	-5.73354	-5.75234	0.23146	ug/L	09/10/10	22:25	
61007-1	V	44.65625	43.87200	45.44050	2.48362	ug/L	09/10/10	22:25	
61007-1	Zn	75.66989	75.57296	75.76681	0.18114	ug/L	09/10/10	22:25	
61007-1	2203/1	14.79567	16.93734	12.65400	20.47069	ug/L	09/10/10	22:25	
61007-1	2203/2	7.98469	8.42792	7.54147	7.85022	ug/L	09/10/10	22:25	
61007-1	1960/1	1.36447	0.95546	1.77348	42.39180	ug/L	09/10/10	22:25	
61007-1	1960/2	3.58046	1.07236	6.08856	99.06509	ug/L	09/10/10	22:25	
61007-1	Y	998.57800	1001.63848	995.51751	0.43343		09/10/10	22:25	
61007-1L	Ag	-0.56889	-0.59451	-0.54327	6.36820	ug/L	09/10/10	22:30	
61007-1L	Al	2903.56689	2905.22045	2901.91308	0.08054	ug/L	09/10/10	22:30	
61007-1L	2Al	2.90355	2.90530	2.90180	0.08514	mg/L	09/10/10	22:30	
61007-1L	As	1.26245	1.26811	1.25679	0.63389	ug/L	09/10/10	22:30	
61007-1L	B	-22.70901	-22.90867	-22.50935	1.24337	ug/L	09/10/10	22:30	
61007-1L	Ba	53.44215	53.56660	53.31771	0.32931	ug/L	09/10/10	22:30	
61007-1L	Be	0.30910	0.29922	0.31898	4.52122	ug/L	09/10/10	22:30	
61007-1L	Ca	6984.56542	6991.24951	6977.88183	0.13533	ug/L	09/10/10	22:30	
61007-1L	Cd	-0.06933	-0.07739	-0.06127	16.44582	ug/L	09/10/10	22:30	
61007-1L	Co	11.93782	12.10473	11.77090	1.97736	ug/L	09/10/10	22:30	
61007-1L	Cr	6.26903	6.10074	6.43732	3.79643	ug/L	09/10/10	22:30	
61007-1L	Cu	2.78530	2.78906	2.78154	0.19084	ug/L	09/10/10	22:30	
61007-1L	Fe	5098.00341	5119.27441	5076.73242	0.59006	ug/L	09/10/10	22:30	
61007-1L	2Fe	5.09736	5.11862	5.07609	0.59007	mg/L	09/10/10	22:30	
61007-1L	K	371.67004	373.63848	369.70162	0.74899	ug/L	09/10/10	22:30	
61007-1L	Mg	878.83331	879.51678	878.14984	0.10998	ug/L	09/10/10	22:30	
61007-1L	2Mg	0.87799	0.87867	0.87731	0.10951	mg/L	09/10/10	22:30	
61007-1L	Mn	659.99090	660.77142	659.21038	0.16724	ug/L	09/10/10	22:30	
61007-1L	Mo	1.52579	1.36486	1.68673	14.91657	ug/L	09/10/10	22:30	
61007-1L	Na	3266.68408	3260.72241	3272.64550	0.25808	ug/L	09/10/10	22:30	
61007-1L	Ni	9.38991	9.59108	9.18873	3.02986	ug/L	09/10/10	22:30	
61007-1L	Pb	2.87826	2.99870	2.75781	5.91796	ug/L	09/10/10	22:30	
61007-1L	Se	-3.58137	-1.75819	-5.40456	71.99385	ug/L	09/10/10	22:30	
61007-1L	Sb	-0.57417	-0.78235	-0.36598	51.27682	ug/L	09/10/10	22:30	
61007-1L	Sn	-0.06107	1.56257	-1.68472	3759.67333	ug/L	09/10/10	22:30	
61007-1L	Sr	39.58993	39.60927	39.57059	0.06909	ug/L	09/10/10	22:30	
61007-1L	Ti	57.33165	57.62902	57.03428	0.73353	ug/L	09/10/10	22:30	
61007-1L	Tl	2.38442	0.82164	3.94719	92.68888	ug/L	09/10/10	22:30	
61007-1L	V	8.28273	8.08234	8.48313	3.42160	ug/L	09/10/10	22:30	
61007-1L	Zn	15.36643	15.32835	15.40452	0.35051	ug/L	09/10/10	22:30	
61007-1L	2203/1	2.84413	3.44356	2.24469	29.80624	ug/L	09/10/10	22:30	
61007-1L	2203/2	2.89530	2.77661	3.01399	5.79749	ug/L	09/10/10	22:30	
61007-1L	1960/1	-0.44234	0.50440	-1.38908	302.68576	ug/L	09/10/10	22:30	
61007-1L	1960/2	-5.14846	-2.88763	-7.40929	62.10186	ug/L	09/10/10	22:30	
61007-1L	Y	987.15692	980.89916	993.41467	0.89649		09/10/10	22:30	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61007-1A	Ag	42.31161	42.59389	42.02933	0.94349	ug/L	09/10/10	22:36	
61007-1A	Al	15663.50781	15710.70019	15616.31640	0.42608	ug/L	09/10/10	22:36	
61007-1A	2Al	15.66310	15.70982	15.61637	0.42186	mg/L	09/10/10	22:36	
61007-1A	As	2029.45214	2034.74523	2024.15893	0.36885	ug/L	09/10/10	22:36	
61007-1A	B	843.17993	844.93646	841.42333	0.29461	ug/L	09/10/10	22:36	
61007-1A	Ba	2351.25439	2358.19067	2344.31835	0.41719	ug/L	09/10/10	22:36	
61007-1A	Be	52.29029	52.46777	52.11280	0.48002	ug/L	09/10/10	22:36	
61007-1A	Ca	37557.87890	37679.15234	37436.60546	0.45664	ug/L	09/10/10	22:36	
61007-1A	Cd	50.59918	51.24599	49.95237	1.80778	ug/L	09/10/10	22:36	
61007-1A	Co	573.39221	575.62689	571.15747	0.55116	ug/L	09/10/10	22:36	
61007-1A	Cr	234.16116	235.52453	232.79779	0.82340	ug/L	09/10/10	22:36	
61007-1A	Cu	272.50851	273.60287	271.41415	0.56793	ug/L	09/10/10	22:36	
61007-1A	Fe	25098.80078	25184.57226	25013.02734	0.48329	ug/L	09/10/10	22:36	
61007-1A	2Fe	25.09527	25.18046	25.01009	0.48004	mg/L	09/10/10	22:36	
61007-1A	K	6353.98144	6382.94775	6325.01513	0.64470	ug/L	09/10/10	22:36	
61007-1A	Mg	8579.00195	8609.27246	8548.73144	0.49899	ug/L	09/10/10	22:36	
61007-1A	2Mg	8.57382	8.60407	8.54356	0.49902	mg/L	09/10/10	22:36	
61007-1A	Mn	3610.44799	3624.92651	3595.96948	0.56712	ug/L	09/10/10	22:36	
61007-1A	Mo	422.56851	423.59811	421.53890	0.34457	ug/L	09/10/10	22:36	
61007-1A	Na	20064.57226	20148.62500	19980.51953	0.59242	ug/L	09/10/10	22:36	
61007-1A	Ni	555.67663	560.12103	551.23229	1.13110	ug/L	09/10/10	22:36	
61007-1A	Pb	510.96286	510.59814	511.32757	0.10094	ug/L	09/10/10	22:36	
61007-1A	Se	1994.74462	1994.80737	1994.68176	0.00445	ug/L	09/10/10	22:36	
61007-1A	Sb	502.01620	504.20983	499.82257	0.61796	ug/L	09/10/10	22:36	
61007-1A	Sn	881.07751	888.44989	873.70520	1.18333	ug/L	09/10/10	22:36	
61007-1A	Sr	634.56536	636.59277	632.53796	0.45183	ug/L	09/10/10	22:36	
61007-1A	Ti	1141.35937	1144.84973	1137.86901	0.43247	ug/L	09/10/10	22:36	
61007-1A	Tl	2057.45654	2070.29467	2044.61828	0.88244	ug/L	09/10/10	22:36	
61007-1A	V	551.58044	553.55249	549.60833	0.50562	ug/L	09/10/10	22:36	
61007-1A	Zn	585.38238	588.29846	582.46630	0.70448	ug/L	09/10/10	22:36	
61007-1A	2203/1	524.91174	525.09643	524.72698	0.04976	ug/L	09/10/10	22:36	
61007-1A	2203/2	503.99890	503.35986	504.63793	0.17931	ug/L	09/10/10	22:36	
61007-1A	1960/1	2042.24194	2050.26293	2034.22082	0.55544	ug/L	09/10/10	22:36	
61007-1A	1960/2	1971.03173	1967.12133	1974.94201	0.28056	ug/L	09/10/10	22:36	
61007-1A	Y	1001.50164	998.90240	1004.10089	0.36703		09/10/10	22:36	
CCV	Ag	514.55798	518.17364	510.94238	0.99372	ug/L	09/10/10	22:41	
CCV	Al	5229.44238	5254.66503	5204.21923	0.68211	ug/L	09/10/10	22:41	
CCV	2Al	5.22934	5.25437	5.20431	0.67689	mg/L	09/10/10	22:41	
CCV	As	517.90893	516.05541	519.76239	0.50611	ug/L	09/10/10	22:41	
CCV	B	5086.99169	5110.64501	5063.33837	0.65757	ug/L	09/10/10	22:41	
CCV	Ba	5214.70703	5239.73388	5189.68017	0.67872	ug/L	09/10/10	22:41	
CCV	Be	508.28253	511.39941	505.16561	0.86722	ug/L	09/10/10	22:41	
CCV	Ca	5166.89941	5188.47802	5145.32031	0.59062	ug/L	09/10/10	22:41	
CCV	Cd	508.23352	511.31625	505.15078	0.85780	ug/L	09/10/10	22:41	
CCV	Co	513.72241	515.10583	512.33898	0.38083	ug/L	09/10/10	22:41	
CCV	Cr	5115.52832	5144.61083	5086.44580	0.80400	ug/L	09/10/10	22:41	
CCV	Cu	5196.72119	5227.10937	5166.33300	0.82697	ug/L	09/10/10	22:41	
CCV	Fe	5160.61035	5179.29199	5141.92822	0.51195	ug/L	09/10/10	22:41	
CCV	2Fe	5.16061	5.17929	5.14192	0.51196	mg/L	09/10/10	22:41	
CCV	K	10305.24609	10356.96386	10253.52734	0.70974	ug/L	09/10/10	22:41	
CCV	Mg	5161.55957	5182.11230	5141.00683	0.56312	ug/L	09/10/10	22:41	
CCV	2Mg	5.16156	5.18211	5.14100	0.56320	mg/L	09/10/10	22:41	
CCV	Mn	5169.20898	5195.95849	5142.45996	0.73181	ug/L	09/10/10	22:41	
CCV	Mo	511.33193	512.88647	509.77740	0.42994	ug/L	09/10/10	22:41	
CCV	Na	7493.11621	7532.64648	7453.58544	0.74607	ug/L	09/10/10	22:41	
CCV	Ni	2577.07275	2589.63818	2564.50756	0.68954	ug/L	09/10/10	22:41	
CCV	Pb	518.40063	521.00390	515.79730	0.71018	ug/L	09/10/10	22:41	
CCV	Se	5125.59277	5161.70214	5089.48388	0.99629	ug/L	09/10/10	22:41	
CCV	Sb	513.94958	513.65325	514.24597	0.08154	ug/L	09/10/10	22:41	
CCV	Sn	5127.73437	5153.91992	5101.54882	0.72218	ug/L	09/10/10	22:41	
CCV	Sr	2591.90527	2606.57983	2577.23071	0.80068	ug/L	09/10/10	22:41	
CCV	Ti	517.12939	519.73864	514.52008	0.71357	ug/L	09/10/10	22:41	
CCV	Tl	5095.44140	5120.66113	5070.22167	0.69996	ug/L	09/10/10	22:41	
CCV	V	5181.62695	5204.41894	5158.83544	0.62205	ug/L	09/10/10	22:41	
CCV	Zn	2570.74560	2581.20605	2560.28515	0.57544	ug/L	09/10/10	22:41	
CCV	2203/1	523.99682	529.57836	518.41522	1.50640	ug/L	09/10/10	22:41	
CCV	2203/2	515.60205	516.71844	514.48571	0.30620	ug/L	09/10/10	22:41	
CCV	1960/1	5188.11572	5242.91113	5133.32031	1.49365	ug/L	09/10/10	22:41	
CCV	1960/2	5094.37890	5121.15869	5067.59863	0.74342	ug/L	09/10/10	22:41	
CCV	Y	976.22442	969.22796	983.22088	1.01354		09/10/10	22:41	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.61693	-0.59244	-0.64142	5.61301	ug/L	09/10/10	22:46	
CCB	Al	21.95103	20.98936	22.91269	6.19560	ug/L	09/10/10	22:46	
CCB	2Al	0.02195	0.02098	0.02291	6.19549	mg/L	09/10/10	22:46	
CCB	As	-1.99647	-3.66024	-0.33270	117.85372	ug/L	09/10/10	22:46	
CCB	B	-12.03691	-10.78451	-13.28930	14.71435	ug/L	09/10/10	22:46	
CCB	Ba	1.02822	-0.09064	2.14709	153.88815	ug/L	09/10/10	22:46	
CCB	Be	0.13704	0.04146	0.23263	98.63130	ug/L	09/10/10	22:46	
CCB	Ca	6.13125	3.87942	8.38308	51.93992	ug/L	09/10/10	22:46	
CCB	Cd	-0.11214	-0.42876	0.20446	399.25753	ug/L	09/10/10	22:46	
CCB	Co	0.15793	-0.22661	0.54248	344.33859	ug/L	09/10/10	22:46	
CCB	Cr	0.69108	-0.23510	1.61726	189.53163	ug/L	09/10/10	22:46	
CCB	Cu	0.83788	0.07807	1.59769	128.24336	ug/L	09/10/10	22:46	
CCB	Fe	6.92707	3.46397	10.39018	70.70178	ug/L	09/10/10	22:46	
CCB	2Fe	0.00692	0.00346	0.01038	70.70735	mg/L	09/10/10	22:46	
CCB	K	-5.97513	-25.13539	13.18512	453.49078	ug/L	09/10/10	22:46	
CCB	Mg	3.21579	1.60564	4.82593	70.80953	ug/L	09/10/10	22:46	
CCB	2Mg	0.00321	0.00160	0.00482	70.81807	mg/L	09/10/10	22:46	
CCB	Mn	1.15932	0.15657	2.16207	122.32175	ug/L	09/10/10	22:46	
CCB	Mo	-0.07843	-0.90237	0.74551	1485.64880	ug/L	09/10/10	22:46	
CCB	Na	84.38005	-76.63899	245.39909	269.86865	ug/L	09/10/10	22:46	
CCB	Ni	0.50702	-0.85014	1.86420	378.54602	ug/L	09/10/10	22:46	
CCB	Pb	0.15581	0.29220	0.01942	123.79486	ug/L	09/10/10	22:46	
CCB	Se	2.89166	1.05487	4.72844	89.83097	ug/L	09/10/10	22:46	
CCB	Sb	-0.37975	-5.62406	4.86456	1952.99707	ug/L	09/10/10	22:46	
CCB	Sn	2.53006	1.14882	3.91130	77.20628	ug/L	09/10/10	22:46	
CCB	Sr	0.48464	0.01167	0.95760	138.01486	ug/L	09/10/10	22:46	
CCB	Ti	0.13906	0.16024	0.11787	21.54337	ug/L	09/10/10	22:46	
CCB	Tl	4.28086	3.66388	4.89785	20.38250	ug/L	09/10/10	22:46	
CCB	V	0.51878	-1.49109	2.52867	547.89434	ug/L	09/10/10	22:46	
CCB	Zn	0.20369	-0.24201	0.64940	309.44757	ug/L	09/10/10	22:46	
CCB	2203/1	0.44428	-0.54101	1.42958	313.63427	ug/L	09/10/10	22:46	
CCB	2203/2	0.01179	0.70819	-0.68460	8349.88671	ug/L	09/10/10	22:46	
CCB	1960/1	6.90080	0.20285	13.59875	137.26409	ug/L	09/10/10	22:46	
CCB	1960/2	0.89009	1.48024	0.29994	93.76530	ug/L	09/10/10	22:46	
CCB	Y	995.37683	994.57946	996.17419	0.11328		09/10/10	22:46	
PBW 179536	Ag	-1.01499	-1.68494	-0.34503	93.34632	ug/L	09/10/10	22:52	
PBW 179536	Al	-4.36709	-5.81354	-2.92065	46.84079	ug/L	09/10/10	22:52	
PBW 179536	2Al	-0.00436	-0.00581	-0.00292	46.84054	mg/L	09/10/10	22:52	
PBW 179536	As	0.00162	1.22611	-1.22286	106608.73437	ug/L	09/10/10	22:52	
PBW 179536	B	-20.77104	-21.36644	-20.17564	4.05384	ug/L	09/10/10	22:52	
PBW 179536	Ba	-0.26551	-0.40737	-0.12365	75.55791	ug/L	09/10/10	22:52	
PBW 179536	Be	-0.00326	-0.02627	0.01974	995.51806	ug/L	09/10/10	22:52	
PBW 179536	Ca	19.94442	18.67692	21.21192	8.98755	ug/L	09/10/10	22:52	
PBW 179536	Cd	-0.08529	-0.17700	0.00640	152.04072	ug/L	09/10/10	22:52	
PBW 179536	Co	-0.30273	-0.43605	-0.16941	62.28096	ug/L	09/10/10	22:52	
PBW 179536	Cr	-0.65614	-0.78387	-0.52841	27.53038	ug/L	09/10/10	22:52	
PBW 179536	Cu	0.11710	0.10258	0.13163	17.53730	ug/L	09/10/10	22:52	
PBW 179536	Fe	-6.36363	-8.11018	-4.61708	38.81429	ug/L	09/10/10	22:52	
PBW 179536	2Fe	-0.00636	-0.00810	-0.00461	38.81525	mg/L	09/10/10	22:52	
PBW 179536	K	-17.30453	-33.31676	-1.29231	130.85992	ug/L	09/10/10	22:52	
PBW 179536	Mg	-3.24542	-4.85587	-1.63497	70.17615	ug/L	09/10/10	22:52	
PBW 179536	2Mg	-0.00324	-0.00485	-0.00163	70.19067	mg/L	09/10/10	22:52	
PBW 179536	Mn	0.33280	0.31254	0.35307	8.60940	ug/L	09/10/10	22:52	
PBW 179536	Mo	-2.52594	-2.27108	-2.78080	14.26904	ug/L	09/10/10	22:52	
PBW 179536	Na	64.85820	-39.06874	168.78514	226.60958	ug/L	09/10/10	22:52	
PBW 179536	Ni	-0.54593	-0.82235	-0.26951	71.60418	ug/L	09/10/10	22:52	
PBW 179536	Pb	-1.47615	0.45191	-3.40423	184.71691	ug/L	09/10/10	22:52	
PBW 179536	Se	-4.72087	-9.40768	-0.03406	140.40100	ug/L	09/10/10	22:52	
PBW 179536	Sb	-2.71949	-2.85776	-2.58121	7.19047	ug/L	09/10/10	22:52	
PBW 179536	Sn	-1.14258	-4.23799	1.95281	383.12664	ug/L	09/10/10	22:52	
PBW 179536	Sr	-0.07273	-0.06673	-0.07873	11.66119	ug/L	09/10/10	22:52	
PBW 179536	Ti	-0.06549	-0.07576	-0.05521	22.19353	ug/L	09/10/10	22:52	
PBW 179536	Tl	-2.86500	0.68441	-6.41442	175.20547	ug/L	09/10/10	22:52	
PBW 179536	V	-1.26332	-1.86826	-0.65838	67.71942	ug/L	09/10/10	22:52	
PBW 179536	Zn	0.58820	0.37916	0.79724	50.25943	ug/L	09/10/10	22:52	
PBW 179536	2203/1	-3.37259	-2.36101	-4.38417	42.41814	ug/L	09/10/10	22:52	
PBW 179536	2203/2	-0.52936	1.85627	-2.91499	637.33416	ug/L	09/10/10	22:52	
PBW 179536	1960/1	-5.56773	-5.98313	-5.15233	10.55129	ug/L	09/10/10	22:52	
PBW 179536	1960/2	-4.29807	-11.11738	2.52123	224.37869	ug/L	09/10/10	22:52	
PBW 179536	Y	986.45727	988.03637	984.87817	0.22638		09/10/10	22:52	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	51.14014	49.69403	52.58625	3.99902	ug/L	09/10/10	22:57	
LCSW-1	Al	2089.92724	2085.84155	2094.01293	0.27647	ug/L	09/10/10	22:57	
LCSW-1	2Al	2.08998	2.08589	2.09406	0.27646	mg/L	09/10/10	22:57	
LCSW-1	As	2077.52368	2075.87060	2079.17675	0.11252	ug/L	09/10/10	22:57	
LCSW-1	B	1018.81219	1015.71520	1021.90917	0.42989	ug/L	09/10/10	22:57	
LCSW-1	Ba	2140.42626	2136.68481	2144.16772	0.24720	ug/L	09/10/10	22:57	
LCSW-1	Be	51.19128	51.00405	51.37850	0.51722	ug/L	09/10/10	22:57	
LCSW-1	Ca	5159.19873	5149.40283	5168.99462	0.26852	ug/L	09/10/10	22:57	
LCSW-1	Cd	51.91277	51.01958	52.80596	2.43324	ug/L	09/10/10	22:57	
LCSW-1	Co	525.50976	525.12963	525.88983	0.10228	ug/L	09/10/10	22:57	
LCSW-1	Cr	208.50802	208.66667	208.34938	0.10760	ug/L	09/10/10	22:57	
LCSW-1	Cu	260.72998	260.10748	261.35250	0.33765	ug/L	09/10/10	22:57	
LCSW-1	Fe	1041.84423	1016.94250	1066.74609	3.38020	ug/L	09/10/10	22:57	
LCSW-1	2Fe	1.04193	1.01703	1.06683	3.37953	mg/L	09/10/10	22:57	
LCSW-1	K	5308.58642	5266.99072	5350.18212	1.10811	ug/L	09/10/10	22:57	
LCSW-1	Mg	5175.44091	5167.56152	5183.32031	0.21530	ug/L	09/10/10	22:57	
LCSW-1	2Mg	5.17403	5.16616	5.18191	0.21519	mg/L	09/10/10	22:57	
LCSW-1	Mn	526.41564	525.74285	527.08850	0.18075	ug/L	09/10/10	22:57	
LCSW-1	Mo	511.33547	509.88311	512.78784	0.40168	ug/L	09/10/10	22:57	
LCSW-1	Na	4787.07910	4408.03466	5166.12353	11.19784	ug/L	09/10/10	22:57	
LCSW-1	Ni	523.05957	522.66210	523.45697	0.10745	ug/L	09/10/10	22:57	
LCSW-1	Pb	521.94647	521.47521	522.41772	0.12768	ug/L	09/10/10	22:57	
LCSW-1	Se	2086.39501	2090.66772	2082.12207	0.28962	ug/L	09/10/10	22:57	
LCSW-1	Sb	506.46563	500.72897	512.20227	1.60185	ug/L	09/10/10	22:57	
LCSW-1	Sn	1025.75512	1018.00610	1033.50415	1.06836	ug/L	09/10/10	22:57	
LCSW-1	Sr	528.40698	528.07525	528.73876	0.08879	ug/L	09/10/10	22:57	
LCSW-1	Ti	717.14135	716.24523	718.03747	0.17671	ug/L	09/10/10	22:57	
LCSW-1	Tl	2138.81372	2131.01611	2146.61132	0.51558	ug/L	09/10/10	22:57	
LCSW-1	V	518.11071	516.08123	520.14013	0.55395	ug/L	09/10/10	22:57	
LCSW-1	Zn	529.22930	527.52838	530.93023	0.45452	ug/L	09/10/10	22:57	
LCSW-1	2203/1	518.62567	509.89236	527.35894	2.38143	ug/L	09/10/10	22:57	
LCSW-1	2203/2	523.60437	527.25799	519.95080	0.98680	ug/L	09/10/10	22:57	
LCSW-1	1960/1	2108.29077	2098.43237	2118.14916	0.66128	ug/L	09/10/10	22:57	
LCSW-1	1960/2	2075.46289	2086.79077	2064.13476	0.77188	ug/L	09/10/10	22:57	
LCSW-1	Y	996.46337	999.21508	993.71173	0.39052		09/10/10	22:57	
60930-1	Ag	53.77221	53.65088	53.89354	0.31909	ug/L	09/10/10	23:02	
60930-1	Al	2544.42553	2496.15283	2592.69824	2.68303	ug/L	09/10/10	23:02	
60930-1	2Al	2.54438	2.49601	2.59276	2.68889	mg/L	09/10/10	23:02	
60930-1	As	2179.16015	2143.76684	2214.55346	2.29692	ug/L	09/10/10	23:02	
60930-1	B	1079.92419	1059.41333	1100.43505	2.68599	ug/L	09/10/10	23:02	
60930-1	Ba	2140.99316	2105.17822	2176.80786	2.36571	ug/L	09/10/10	23:02	
60930-1	Be	51.27526	50.41289	52.13763	2.37847	ug/L	09/10/10	23:02	
60930-1	Ca	1142709.50000	1121603.87500	1163815.25000	2.61203	ug/L	09/10/10	23:02	
60930-1	Cd	51.51006	50.87960	52.14052	1.73094	ug/L	09/10/10	23:02	
60930-1	Co	540.35308	528.98559	551.72058	2.97510	ug/L	09/10/10	23:02	
60930-1	Cr	212.22090	208.21086	216.23094	2.67224	ug/L	09/10/10	23:02	
60930-1	Cu	291.92050	286.44076	297.40023	2.65466	ug/L	09/10/10	23:02	
60930-1	Fe	1134.91772	1120.88806	1148.94750	1.74823	ug/L	09/10/10	23:02	
60930-1	2Fe	1.13499	1.12096	1.14903	1.74845	mg/L	09/10/10	23:02	
60930-1	K	8992.63281	8870.64453	9114.62011	1.91842	ug/L	09/10/10	23:02	
60930-1	Mg	31183.89843	30590.09960	31777.69726	2.69292	ug/L	09/10/10	23:02	
60930-1	2Mg	31.17534	30.58170	31.76898	2.69292	mg/L	09/10/10	23:02	
60930-1	Mn	982.56091	965.28790	999.83398	2.48613	ug/L	09/10/10	23:02	
60930-1	Mo	529.85131	519.81207	539.89056	2.67955	ug/L	09/10/10	23:02	
60930-1	Na	45728.25781	45194.29296	46262.22265	1.65136	ug/L	09/10/10	23:02	
60930-1	Ni	550.23553	540.27044	560.20062	2.56122	ug/L	09/10/10	23:02	
60930-1	Pb	521.12353	512.49206	529.75506	2.34239	ug/L	09/10/10	23:02	
60930-1	Se	2222.77612	2198.55541	2246.99682	1.54101	ug/L	09/10/10	23:02	
60930-1	Sb	547.54992	539.74688	555.35290	2.01536	ug/L	09/10/10	23:02	
60930-1	Sn	1066.10742	1045.14233	1087.07238	2.78105	ug/L	09/10/10	23:02	
60930-1	Sr	1628.04101	1600.17016	1655.91198	2.42103	ug/L	09/10/10	23:02	
60930-1	Ti	736.11499	722.71862	749.51135	2.57368	ug/L	09/10/10	23:02	
60930-1	Tl	2150.51171	2118.01464	2183.00903	2.13707	ug/L	09/10/10	23:02	
60930-1	V	523.46325	513.80688	533.11956	2.60880	ug/L	09/10/10	23:02	
60930-1	Zn	532.61804	522.38391	542.85211	2.71737	ug/L	09/10/10	23:02	
60930-1	2203/1	523.55175	517.85711	529.24633	1.53822	ug/L	09/10/10	23:02	
60930-1	2203/2	519.91125	509.81353	530.00903	2.74669	ug/L	09/10/10	23:02	
60930-1	1960/1	2252.61035	2225.65087	2279.56958	1.69253	ug/L	09/10/10	23:02	
60930-1	1960/2	2207.88037	2185.02709	2230.73388	1.46382	ug/L	09/10/10	23:02	
60930-1	Y	893.34545	908.00286	878.68798	2.32035		09/10/10	23:02	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60930-1L	Ag	10.63181	10.48053	10.78309	2.01226	ug/L	09/10/10	23:08	
60930-1L	Al	502.22033	509.50436	494.93627	2.05113	ug/L	09/10/10	23:08	
60930-1L	2Al	0.50223	0.50951	0.49494	2.05112	mg/L	09/10/10	23:08	
60930-1L	As	433.34832	442.59759	424.09909	3.01845	ug/L	09/10/10	23:08	
60930-1L	B	195.28570	197.77636	192.79502	1.80368	ug/L	09/10/10	23:08	
60930-1L	Ba	438.12371	443.63327	432.61413	1.77842	ug/L	09/10/10	23:08	
60930-1L	Be	10.35010	10.45621	10.24400	1.44978	ug/L	09/10/10	23:08	
60930-1L	Ca	205554.20312	207884.51562	203223.89062	1.60325	ug/L	09/10/10	23:08	
60930-1L	Cd	10.41429	10.48997	10.33862	1.02758	ug/L	09/10/10	23:08	
60930-1L	Co	108.01852	108.86112	107.17593	1.10315	ug/L	09/10/10	23:08	
60930-1L	Cr	41.97187	42.27131	41.67244	1.00891	ug/L	09/10/10	23:08	
60930-1L	Cu	56.49417	56.99398	55.99436	1.25116	ug/L	09/10/10	23:08	
60930-1L	Fe	235.98510	241.93008	230.04013	3.56271	ug/L	09/10/10	23:08	
60930-1L	2Fe	0.23600	0.24194	0.23005	3.56223	mg/L	09/10/10	23:08	
60930-1L	K	1580.75488	1583.56433	1577.94543	0.25134	ug/L	09/10/10	23:08	
60930-1L	Mg	6330.82861	6401.66406	6259.99316	1.58235	ug/L	09/10/10	23:08	
60930-1L	2Mg	6.32909	6.39990	6.25827	1.58234	mg/L	09/10/10	23:08	
60930-1L	Mn	198.66316	200.96347	196.36285	1.63750	ug/L	09/10/10	23:08	
60930-1L	Mo	105.04074	107.37855	102.70291	3.14751	ug/L	09/10/10	23:08	
60930-1L	Na	8682.47460	8717.86425	8647.08496	0.57643	ug/L	09/10/10	23:08	
60930-1L	Ni	110.59837	110.71799	110.47875	0.15295	ug/L	09/10/10	23:08	
60930-1L	Pb	106.02462	107.97832	104.07092	2.60595	ug/L	09/10/10	23:08	
60930-1L	Se	435.43872	441.40576	429.47171	1.93796	ug/L	09/10/10	23:08	
60930-1L	Sb	112.89533	113.42212	112.36856	0.65988	ug/L	09/10/10	23:08	
60930-1L	Sn	215.51257	218.24162	212.78350	1.79083	ug/L	09/10/10	23:08	
60930-1L	Sr	334.29888	338.46582	330.13198	1.76276	ug/L	09/10/10	23:08	
60930-1L	Ti	147.78936	149.55393	146.02479	1.68853	ug/L	09/10/10	23:08	
60930-1L	Tl	428.06231	433.49969	422.62493	1.79637	ug/L	09/10/10	23:08	
60930-1L	V	104.85505	105.59645	104.11365	0.99994	ug/L	09/10/10	23:08	
60930-1L	Zn	107.57653	108.64934	106.50373	1.41032	ug/L	09/10/10	23:08	
60930-1L	2203/1	109.47263	112.49119	106.45407	3.89950	ug/L	09/10/10	23:08	
60930-1L	2203/2	104.30320	105.72527	102.88113	1.92813	ug/L	09/10/10	23:08	
60930-1L	1960/1	442.90859	446.70214	439.11505	1.21128	ug/L	09/10/10	23:08	
60930-1L	1960/2	431.70922	438.76135	424.65710	2.31016	ug/L	09/10/10	23:08	
60930-1L	Y	951.40057	942.26605	960.53509	1.35780		09/10/10	23:08	
60930-1A	Ag	79.04104	79.90988	78.17220	1.55453	ug/L	09/10/10	23:13	
60930-1A	Al	3720.44384	3722.37744	3718.51000	0.07350	ug/L	09/10/10	23:13	
60930-1A	2Al	3.72022	3.72205	3.71840	0.06951	mg/L	09/10/10	23:13	
60930-1A	As	3383.21875	3388.25927	3378.17846	0.21069	ug/L	09/10/10	23:13	
60930-1A	B	2133.26806	2130.79418	2135.74169	0.16399	ug/L	09/10/10	23:13	
60930-1A	Ba	3278.88525	3282.79809	3274.97265	0.16875	ug/L	09/10/10	23:13	
60930-1A	Be	79.50809	79.45626	79.55992	0.09219	ug/L	09/10/10	23:13	
60930-1A	Ca	1130000.25000	1129649.62500	1130350.87500	0.04388	ug/L	09/10/10	23:13	
60930-1A	Cd	79.60256	79.79222	79.41291	0.33694	ug/L	09/10/10	23:13	
60930-1A	Co	831.84442	832.14794	831.54089	0.05160	ug/L	09/10/10	23:13	
60930-1A	Cr	326.81558	326.76196	326.86920	0.02320	ug/L	09/10/10	23:13	
60930-1A	Cu	440.77746	441.00811	440.54681	0.07400	ug/L	09/10/10	23:13	
60930-1A	Fe	1705.42773	1717.70922	1693.14636	1.01842	ug/L	09/10/10	23:13	
60930-1A	2Fe	1.70555	1.71783	1.69327	1.01825	mg/L	09/10/10	23:13	
60930-1A	K	15680.30664	15690.70117	15669.91113	0.09375	ug/L	09/10/10	23:13	
60930-1A	Mg	36213.11328	36193.80078	36232.42578	0.07542	ug/L	09/10/10	23:13	
60930-1A	2Mg	36.20139	36.18031	36.22248	0.08236	mg/L	09/10/10	23:13	
60930-1A	Mn	1265.64782	1267.00378	1264.29187	0.15151	ug/L	09/10/10	23:13	
60930-1A	Mo	1044.16918	1042.60949	1045.72875	0.21123	ug/L	09/10/10	23:13	
60930-1A	Na	51438.17187	51471.25390	51405.08593	0.09095	ug/L	09/10/10	23:13	
60930-1A	Ni	839.37036	839.40356	839.33721	0.00558	ug/L	09/10/10	23:13	
60930-1A	Pb	804.05474	799.00927	809.10021	0.88742	ug/L	09/10/10	23:13	
60930-1A	Se	3427.94555	3411.43505	3444.45605	0.68114	ug/L	09/10/10	23:13	
60930-1A	Sb	852.26934	854.63958	849.89910	0.39330	ug/L	09/10/10	23:13	
60930-1A	Sn	2139.56958	2136.07470	2143.06445	0.23100	ug/L	09/10/10	23:13	
60930-1A	Sr	2115.10083	2114.53417	2115.66748	0.03788	ug/L	09/10/10	23:13	
60930-1A	Ti	1769.89245	1771.57287	1768.21203	0.13427	ug/L	09/10/10	23:13	
60930-1A	Tl	3338.57910	3338.25659	3338.90185	0.01366	ug/L	09/10/10	23:13	
60930-1A	V	812.47058	814.91680	810.02435	0.42579	ug/L	09/10/10	23:13	
60930-1A	Zn	827.36669	827.38519	827.34814	0.00316	ug/L	09/10/10	23:13	
60930-1A	2203/1	828.48156	828.73510	828.22802	0.04327	ug/L	09/10/10	23:13	
60930-1A	2203/2	791.85968	784.16870	799.55065	1.37356	ug/L	09/10/10	23:13	
60930-1A	1960/1	3539.56518	3545.03344	3534.09692	0.21848	ug/L	09/10/10	23:13	
60930-1A	1960/2	3372.21826	3344.73486	3399.70166	1.15257	ug/L	09/10/10	23:13	
60930-1A	Y	903.23815	899.22399	907.25238	0.62850		09/10/10	23:13	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60930-1S	Ag	53.64975	52.79343	54.50608	2.25727	ug/L	09/10/10	23:18	
60930-1S	Al	2557.41259	2557.45336	2557.37182	0.00225	ug/L	09/10/10	23:18	
60930-1S	2Al	2.55727	2.55731	2.55723	0.00210	mg/L	09/10/10	23:18	
60930-1S	As	2204.49707	2206.93652	2202.05761	0.15649	ug/L	09/10/10	23:18	
60930-1S	B	1091.24169	1086.13281	1096.35058	0.66209	ug/L	09/10/10	23:18	
60930-1S	Ba	2128.29174	2128.86108	2127.72241	0.03783	ug/L	09/10/10	23:18	
60930-1S	Be	51.32899	51.19870	51.45928	0.35897	ug/L	09/10/10	23:18	
60930-1S	Ca	1181490.50000	1176601.87500	1186379.12500	0.58515	ug/L	09/10/10	23:18	
60930-1S	Cd	52.35426	52.23677	52.47174	0.31735	ug/L	09/10/10	23:18	
60930-1S	Co	545.62072	543.63769	547.60382	0.51399	ug/L	09/10/10	23:18	
60930-1S	Cr	214.48306	213.81921	215.14689	0.43770	ug/L	09/10/10	23:18	
60930-1S	Cu	290.82080	290.02084	291.62078	0.38901	ug/L	09/10/10	23:18	
60930-1S	Fe	1161.19055	1149.01428	1173.36682	1.48294	ug/L	09/10/10	23:18	
60930-1S	2Fe	1.16127	1.14909	1.17344	1.48273	mg/L	09/10/10	23:18	
60930-1S	K	9392.39648	9339.45410	9445.33984	0.79716	ug/L	09/10/10	23:18	
60930-1S	Mg	32136.37304	32066.92382	32205.82226	0.30562	ug/L	09/10/10	23:18	
60930-1S	2Mg	32.12578	32.05459	32.19698	0.31340	mg/L	09/10/10	23:18	
60930-1S	Mn	994.91296	993.37390	996.45208	0.21877	ug/L	09/10/10	23:18	
60930-1S	Mo	533.57879	533.92584	533.23175	0.09198	ug/L	09/10/10	23:18	
60930-1S	Na	47248.87890	47188.91406	47308.84375	0.17948	ug/L	09/10/10	23:18	
60930-1S	Ni	555.98120	554.21405	557.74835	0.44949	ug/L	09/10/10	23:18	
60930-1S	Pb	525.21173	529.77252	520.65093	1.22806	ug/L	09/10/10	23:18	
60930-1S	Se	2250.17138	2257.37353	2242.96948	0.45264	ug/L	09/10/10	23:18	
60930-1S	Sb	549.13531	545.85388	552.41674	0.84508	ug/L	09/10/10	23:18	
60930-1S	Sn	1073.05371	1071.13574	1074.97155	0.25276	ug/L	09/10/10	23:18	
60930-1S	Sr	1639.61694	1639.63000	1639.60388	0.00112	ug/L	09/10/10	23:18	
60930-1S	Ti	734.52160	734.79046	734.25274	0.05176	ug/L	09/10/10	23:18	
60930-1S	Tl	2164.32568	2159.53857	2169.11279	0.31279	ug/L	09/10/10	23:18	
60930-1S	V	525.03479	524.47473	525.59490	0.15086	ug/L	09/10/10	23:18	
60930-1S	Zn	541.19494	539.27575	543.11413	0.50150	ug/L	09/10/10	23:18	
60930-1S	2203/1	530.06018	526.41125	533.70916	0.97355	ug/L	09/10/10	23:18	
60930-1S	2203/2	522.79113	531.45062	514.13159	2.34250	ug/L	09/10/10	23:18	
60930-1S	1960/1	2275.69433	2258.79980	2292.58886	1.04989	ug/L	09/10/10	23:18	
60930-1S	1960/2	2237.42822	2256.66040	2218.19604	1.21561	ug/L	09/10/10	23:18	
60930-1S	Y	916.88330	904.21148	929.55517	1.95452		09/10/10	23:18	
60930-1SD	Ag	0.00630	0.35218	-0.33958	7762.17871	ug/L	09/10/10	23:24	
60930-1SD	Al	435.28295	442.30300	428.26287	2.28078	ug/L	09/10/10	23:24	
60930-1SD	2Al	0.43529	0.44231	0.42827	2.28078	mg/L	09/10/10	23:24	
60930-1SD	As	1.28057	4.16948	-1.60832	319.03829	ug/L	09/10/10	23:24	
60930-1SD	B	4.63980	6.90099	2.37862	68.92090	ug/L	09/10/10	23:24	
60930-1SD	Ba	34.48159	34.63618	34.32701	0.63399	ug/L	09/10/10	23:24	
60930-1SD	Be	0.07375	0.10893	0.03856	67.46884	ug/L	09/10/10	23:24	
60930-1SD	Ca	1213783.00000	1215054.12500	1212512.00000	0.14809	ug/L	09/10/10	23:24	
60930-1SD	Cd	0.12500	0.34956	-0.09955	254.04405	ug/L	09/10/10	23:24	
60930-1SD	Co	10.87472	11.44741	10.30204	7.44756	ug/L	09/10/10	23:24	
60930-1SD	Cr	4.11579	4.70861	3.52297	20.36976	ug/L	09/10/10	23:24	
60930-1SD	Cu	15.74337	16.76643	14.72030	9.19011	ug/L	09/10/10	23:24	
60930-1SD	Fe	95.64314	114.16931	77.11695	27.39347	ug/L	09/10/10	23:24	
60930-1SD	2Fe	0.09563	0.11415	0.07711	27.39289	mg/L	09/10/10	23:24	
60930-1SD	K	2749.88671	2772.47680	2727.29638	1.16177	ug/L	09/10/10	23:24	
60930-1SD	Mg	27665.99218	27703.99609	27627.99023	0.19426	ug/L	09/10/10	23:24	
60930-1SD	2Mg	27.65838	27.69637	27.62039	0.19424	mg/L	09/10/10	23:24	
60930-1SD	Mn	475.33111	475.71777	474.94445	0.11503	ug/L	09/10/10	23:24	
60930-1SD	Mo	-0.34621	0.46910	-1.16154	333.03948	ug/L	09/10/10	23:24	
60930-1SD	Na	42891.57812	42831.14843	42952.01171	0.19925	ug/L	09/10/10	23:24	
60930-1SD	Ni	27.89901	27.98313	27.81489	0.42639	ug/L	09/10/10	23:24	
60930-1SD	Pb	-0.43046	0.91309	-1.77403	441.39996	ug/L	09/10/10	23:24	
60930-1SD	Se	52.16091	56.04327	48.27854	10.52607	ug/L	09/10/10	23:24	
60930-1SD	Sb	3.70418	7.51138	-0.10301	145.35424	ug/L	09/10/10	23:24	
60930-1SD	Sn	0.20746	0.79224	-0.37732	398.63186	ug/L	09/10/10	23:24	
60930-1SD	Sr	1162.73754	1166.73339	1158.74169	0.48600	ug/L	09/10/10	23:24	
60930-1SD	Ti	2.19266	2.44264	1.94268	16.12324	ug/L	09/10/10	23:24	
60930-1SD	Tl	-0.87927	0.69647	-2.45502	253.44049	ug/L	09/10/10	23:24	
60930-1SD	V	0.03111	1.03616	-0.97394	4568.81103	ug/L	09/10/10	23:24	
60930-1SD	Zn	1.46871	1.77430	1.16312	29.42529	ug/L	09/10/10	23:24	
60930-1SD	2203/1	-2.72794	-3.47597	-1.97992	38.77900	ug/L	09/10/10	23:24	
60930-1SD	2203/2	0.71655	3.10434	-1.67124	471.26419	ug/L	09/10/10	23:24	
60930-1SD	1960/1	45.53357	48.81885	42.24829	10.20364	ug/L	09/10/10	23:24	
60930-1SD	1960/2	55.46961	59.65007	51.28915	10.65821	ug/L	09/10/10	23:24	
60930-1SD	Y	928.29260	922.86352	933.72174	0.82710		09/10/10	23:24	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60930-1 1/10	Ag	-0.98259	-1.67209	-0.29308	99.23803	ug/L	09/10/10	23:29	
60930-1 1/10	Al	-102.78982	-100.98867	-104.59096	2.47806	ug/L	09/10/10	23:29	
60930-1 1/10	2Al	-0.10279	-0.10099	-0.10459	2.47808	mg/L	09/10/10	23:29	
60930-1 1/10	As	3.29182	4.60469	1.97896	56.40246	ug/L	09/10/10	23:29	
60930-1 1/10	B	-26.71215	-26.61882	-26.80547	0.49408	ug/L	09/10/10	23:29	
60930-1 1/10	Ba	3.31839	3.72845	2.90834	17.47537	ug/L	09/10/10	23:29	
60930-1 1/10	Be	0.47600	0.46286	0.48915	3.90551	ug/L	09/10/10	23:29	
60930-1 1/10	Ca	1633.50756	1871.04589	1395.96923	20.56494	ug/L	09/10/10	23:29	
60930-1 1/10	Cd	-0.08116	-0.21516	0.05284	233.49856	ug/L	09/10/10	23:29	
60930-1 1/10	Co	0.55807	0.92630	0.18984	93.31269	ug/L	09/10/10	23:29	
60930-1 1/10	Cr	0.02778	0.18712	-0.13156	811.06286	ug/L	09/10/10	23:29	
60930-1 1/10	Cu	-5.95111	-5.86471	-6.03751	2.05323	ug/L	09/10/10	23:29	
60930-1 1/10	Fe	-8.57621	-25.40385	8.25142	277.48703	ug/L	09/10/10	23:29	
60930-1 1/10	2Fe	-0.00857	-0.02540	0.00825	277.49011	mg/L	09/10/10	23:29	
60930-1 1/10	K	-45.15419	-68.54083	-21.76755	73.24613	ug/L	09/10/10	23:29	
60930-1 1/10	Mg	51.30283	60.30401	42.30164	24.81266	ug/L	09/10/10	23:29	
60930-1 1/10	2Mg	0.05129	0.06029	0.04228	24.82009	mg/L	09/10/10	23:29	
60930-1 1/10	Mn	1.36496	1.61269	1.11723	25.66704	ug/L	09/10/10	23:29	
60930-1 1/10	Mo	-2.11200	-2.98979	-1.23422	58.77713	ug/L	09/10/10	23:29	
60930-1 1/10	Na	448.98327	521.14807	376.81851	22.73055	ug/L	09/10/10	23:29	
60930-1 1/10	Ni	0.27455	0.06052	0.48859	110.24623	ug/L	09/10/10	23:29	
60930-1 1/10	Pb	3.98928	6.24605	1.73250	80.00344	ug/L	09/10/10	23:29	
60930-1 1/10	Se	10.81328	18.33595	3.29061	98.38506	ug/L	09/10/10	23:29	
60930-1 1/10	Sb	-1.76569	-4.56948	1.03809	224.56655	ug/L	09/10/10	23:29	
60930-1 1/10	Sn	0.59045	-2.21581	3.39673	672.13305	ug/L	09/10/10	23:29	
60930-1 1/10	Sr	2.70105	3.15731	2.24479	23.88895	ug/L	09/10/10	23:29	
60930-1 1/10	Ti	1.41620	1.73839	1.09402	32.17323	ug/L	09/10/10	23:29	
60930-1 1/10	Tl	-1.13979	-2.63416	0.35457	185.41499	ug/L	09/10/10	23:29	
60930-1 1/10	V	-0.63119	-1.40642	0.14403	173.69236	ug/L	09/10/10	23:29	
60930-1 1/10	Zn	0.50692	0.59269	0.42116	23.92671	ug/L	09/10/10	23:29	
60930-1 1/10	2203/1	-1.75518	-5.02174	1.51137	263.19836	ug/L	09/10/10	23:29	
60930-1 1/10	2203/2	6.85720	11.87151	1.84290	103.41376	ug/L	09/10/10	23:29	
60930-1 1/10	1960/1	-0.45090	-1.97419	1.07237	477.75811	ug/L	09/10/10	23:29	
60930-1 1/10	1960/2	16.43694	28.47580	4.39807	103.58085	ug/L	09/10/10	23:29	
60930-1 1/10	Y	2572.23583	2555.85058	2588.62084	0.90085		09/10/10	23:29	
60930-1S 1/10	Ag	-0.40670	-0.44458	-0.36881	13.17300	ug/L	09/10/10	23:35	
60930-1S 1/10	Al	-105.62091	-103.41438	-107.82744	2.95444	ug/L	09/10/10	23:35	
60930-1S 1/10	2Al	-0.10562	-0.10341	-0.10783	2.95443	mg/L	09/10/10	23:35	
60930-1S 1/10	As	1.36419	3.47354	-0.74515	218.66957	ug/L	09/10/10	23:35	
60930-1S 1/10	B	-27.45707	-26.97547	-27.93867	2.48054	ug/L	09/10/10	23:35	
60930-1S 1/10	Ba	2.07001	3.31740	0.82263	85.22000	ug/L	09/10/10	23:35	
60930-1S 1/10	Be	0.45519	0.47010	0.44029	4.63171	ug/L	09/10/10	23:35	
60930-1S 1/10	Ca	1065.29565	1664.30236	466.28890	79.52003	ug/L	09/10/10	23:35	
60930-1S 1/10	Cd	-0.09046	-0.15322	-0.02770	98.11840	ug/L	09/10/10	23:35	
60930-1S 1/10	Co	0.41343	0.64786	0.17901	80.18806	ug/L	09/10/10	23:35	
60930-1S 1/10	Cr	-0.00751	0.26240	-0.27743	5082.10449	ug/L	09/10/10	23:35	
60930-1S 1/10	Cu	-6.26399	-6.03497	-6.49300	5.17038	ug/L	09/10/10	23:35	
60930-1S 1/10	Fe	-6.90273	-12.71697	-1.08849	119.12057	ug/L	09/10/10	23:35	
60930-1S 1/10	2Fe	-0.00690	-0.01271	-0.00108	119.12020	mg/L	09/10/10	23:35	
60930-1S 1/10	K	-40.00384	-46.33597	-33.67171	22.38531	ug/L	09/10/10	23:35	
60930-1S 1/10	Mg	32.57890	53.68669	11.47111	91.62653	ug/L	09/10/10	23:35	
60930-1S 1/10	2Mg	0.03257	0.05367	0.01146	91.62776	mg/L	09/10/10	23:35	
60930-1S 1/10	Mn	0.82617	1.47187	0.18047	110.52811	ug/L	09/10/10	23:35	
60930-1S 1/10	Mo	-1.53696	-1.34304	-1.73088	17.84338	ug/L	09/10/10	23:35	
60930-1S 1/10	Na	342.76431	358.59564	326.93298	6.53185	ug/L	09/10/10	23:35	
60930-1S 1/10	Ni	0.12013	0.28406	-0.04380	192.98506	ug/L	09/10/10	23:35	
60930-1S 1/10	Pb	3.35328	4.64204	2.06452	54.35211	ug/L	09/10/10	23:35	
60930-1S 1/10	Se	7.01529	10.99517	3.03542	80.23028	ug/L	09/10/10	23:35	
60930-1S 1/10	Sb	-0.73974	-2.13195	0.65247	266.15829	ug/L	09/10/10	23:35	
60930-1S 1/10	Sn	0.79670	0.52186	1.07153	48.78596	ug/L	09/10/10	23:35	
60930-1S 1/10	Sr	1.71862	2.81915	0.61809	90.56018	ug/L	09/10/10	23:35	
60930-1S 1/10	Ti	0.88612	1.42172	0.35051	85.47989	ug/L	09/10/10	23:35	
60930-1S 1/10	Tl	0.20878	0.19236	0.22520	11.12251	ug/L	09/10/10	23:35	
60930-1S 1/10	V	-0.66757	-0.67511	-0.66004	1.59610	ug/L	09/10/10	23:35	
60930-1S 1/10	Zn	0.18729	0.55891	-0.18432	280.60220	ug/L	09/10/10	23:35	
60930-1S 1/10	2203/1	1.55024	0.39318	2.70729	105.55323	ug/L	09/10/10	23:35	
60930-1S 1/10	2203/2	4.25345	6.76328	1.74361	83.44847	ug/L	09/10/10	23:35	
60930-1S 1/10	1960/1	4.10203	2.82737	5.37669	43.94518	ug/L	09/10/10	23:35	
60930-1S 1/10	1960/2	8.46974	15.07294	1.86653	110.25529	ug/L	09/10/10	23:35	
60930-1S 1/10	Y	2581.12011	2574.23681	2588.00317	0.37713		09/10/10	23:35	

0091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60930-1SD 1/10	Ag	-0.98794	-1.49297	-0.48291	72.29393	ug/L	09/10/10	23:40	
60930-1SD 1/10	Al	-107.44828	-104.91492	-109.98165	3.33436	ug/L	09/10/10	23:40	
60930-1SD 1/10	2Al	-0.10745	-0.10491	-0.10998	3.33437	mg/L	09/10/10	23:40	
60930-1SD 1/10	As	0.30590	0.06810	0.54370	109.93475	ug/L	09/10/10	23:40	
60930-1SD 1/10	B	-29.35720	-29.55835	-29.15606	0.96896	ug/L	09/10/10	23:40	
60930-1SD 1/10	Ba	-0.23257	-0.33194	-0.13321	60.42221	ug/L	09/10/10	23:40	
60930-1SD 1/10	Be	0.38731	0.35481	0.41981	11.86823	ug/L	09/10/10	23:40	
60930-1SD 1/10	Ca	2337.18701	2525.44458	2148.92919	11.39132	ug/L	09/10/10	23:40	
60930-1SD 1/10	Cd	-0.15830	-0.26995	-0.04666	99.73490	ug/L	09/10/10	23:40	
60930-1SD 1/10	Co	-0.49871	-0.49484	-0.50258	1.09746	ug/L	09/10/10	23:40	
60930-1SD 1/10	Cr	-0.36940	-0.44993	-0.28888	30.82720	ug/L	09/10/10	23:40	
60930-1SD 1/10	Cu	-6.47623	-6.47407	-6.47839	0.04723	ug/L	09/10/10	23:40	
60930-1SD 1/10	Fe	-16.67995	-29.66636	-3.69355	110.10549	ug/L	09/10/10	23:40	
60930-1SD 1/10	2Fe	-0.01667	-0.02966	-0.00369	110.10418	mg/L	09/10/10	23:40	
60930-1SD 1/10	K	-50.73049	-67.27733	-34.18365	46.12762	ug/L	09/10/10	23:40	
60930-1SD 1/10	Mg	61.29003	66.07294	56.50713	11.03613	ug/L	09/10/10	23:40	
60930-1SD 1/10	2Mg	0.06127	0.06605	0.05649	11.04090	mg/L	09/10/10	23:40	
60930-1SD 1/10	Mn	0.83328	0.93976	0.72680	18.07160	ug/L	09/10/10	23:40	
60930-1SD 1/10	Mo	-2.57913	-3.06313	-2.09514	26.53863	ug/L	09/10/10	23:40	
60930-1SD 1/10	Na	236.55575	93.63391	379.47760	85.44371	ug/L	09/10/10	23:40	
60930-1SD 1/10	Ni	-0.45754	-0.67875	-0.23634	68.37159	ug/L	09/10/10	23:40	
60930-1SD 1/10	Pb	0.83923	1.24720	0.43126	68.74810	ug/L	09/10/10	23:40	
60930-1SD 1/10	Se	-1.25624	-3.65987	1.14738	270.58755	ug/L	09/10/10	23:40	
60930-1SD 1/10	Sb	-3.51675	-5.92568	-1.10781	96.87194	ug/L	09/10/10	23:40	
60930-1SD 1/10	Sn	-1.35432	-3.88380	1.17514	264.13189	ug/L	09/10/10	23:40	
60930-1SD 1/10	Sr	2.66533	2.92024	2.41041	13.52572	ug/L	09/10/10	23:40	
60930-1SD 1/10	Ti	0.01789	0.02626	0.00952	66.14347	ug/L	09/10/10	23:40	
60930-1SD 1/10	Tl	-1.94771	-3.69395	-0.20146	126.79293	ug/L	09/10/10	23:40	
60930-1SD 1/10	V	-1.41528	-2.21635	-0.61422	80.04565	ug/L	09/10/10	23:40	
60930-1SD 1/10	Zn	-0.48783	-0.47481	-0.50086	3.77642	ug/L	09/10/10	23:40	
60930-1SD 1/10	2203/1	-1.75579	-4.31532	0.80374	206.15957	ug/L	09/10/10	23:40	
60930-1SD 1/10	2203/2	2.13480	4.02430	0.24530	125.17121	ug/L	09/10/10	23:40	
60930-1SD 1/10	1960/1	-1.24170	-7.10386	4.62044	667.65557	ug/L	09/10/10	23:40	
60930-1SD 1/10	1960/2	-1.26350	-1.94045	-0.58654	75.77019	ug/L	09/10/10	23:40	
60930-1SD 1/10	Y	2541.50585	2524.94091	2558.07080	0.92175		09/10/10	23:40	
CCV	Ag	500.07104	488.74914	511.39294	3.20186	ug/L	09/10/10	23:45	
CCV	Al	5096.98632	4985.50732	5208.46533	3.09310	ug/L	09/10/10	23:45	
CCV	2Al	5.09679	4.98522	5.20836	3.09578	mg/L	09/10/10	23:45	
CCV	As	498.27136	487.90411	508.63864	2.94247	ug/L	09/10/10	23:45	
CCV	B	4922.45605	4822.97412	5021.93847	2.85810	ug/L	09/10/10	23:45	
CCV	Ba	5089.38964	5010.00000	5168.77880	2.20603	ug/L	09/10/10	23:45	
CCV	Be	493.32354	484.82662	501.82049	2.43582	ug/L	09/10/10	23:45	
CCV	Ca	4962.85546	4875.30908	5050.40234	2.49472	ug/L	09/10/10	23:45	
CCV	Cd	488.42749	478.56329	498.29171	2.85612	ug/L	09/10/10	23:45	
CCV	Co	499.04147	490.42562	507.65731	2.44160	ug/L	09/10/10	23:45	
CCV	Cr	4968.55761	4877.14843	5059.96679	2.60180	ug/L	09/10/10	23:45	
CCV	Cu	5058.94726	4973.47900	5144.41601	2.38924	ug/L	09/10/10	23:45	
CCV	Fe	5007.19384	4916.52539	5097.86230	2.56080	ug/L	09/10/10	23:45	
CCV	2Fe	5.00719	4.91652	5.09786	2.56079	mg/L	09/10/10	23:45	
CCV	K	10152.63671	10021.16503	10284.10839	1.83133	ug/L	09/10/10	23:45	
CCV	Mg	5015.36279	4923.32470	5107.40087	2.59525	ug/L	09/10/10	23:45	
CCV	2Mg	5.01536	4.92332	5.10740	2.59523	mg/L	09/10/10	23:45	
CCV	Mn	5014.39208	4924.71435	5104.06982	2.52918	ug/L	09/10/10	23:45	
CCV	Mo	492.32653	483.93130	500.72174	2.41153	ug/L	09/10/10	23:45	
CCV	Na	7412.91796	7172.23974	7653.59667	4.59158	ug/L	09/10/10	23:45	
CCV	Ni	2494.82031	2450.48388	2539.15649	2.51324	ug/L	09/10/10	23:45	
CCV	Pb	498.87921	490.69192	507.06652	2.32092	ug/L	09/10/10	23:45	
CCV	Se	4915.08056	4820.90380	5009.25732	2.70974	ug/L	09/10/10	23:45	
CCV	Sb	503.38812	496.74822	510.02801	1.86540	ug/L	09/10/10	23:45	
CCV	Sn	4955.19921	4847.32226	5063.07568	3.07880	ug/L	09/10/10	23:45	
CCV	Sr	2521.19677	2480.60205	2561.79174	2.27708	ug/L	09/10/10	23:45	
CCV	Ti	502.25042	493.32122	511.17959	2.51423	ug/L	09/10/10	23:45	
CCV	Tl	4946.23486	4856.14843	5036.32128	2.57572	ug/L	09/10/10	23:45	
CCV	V	5033.64453	4946.13671	5121.15283	2.45855	ug/L	09/10/10	23:45	
CCV	Zn	2488.37182	2443.42407	2533.31958	2.55451	ug/L	09/10/10	23:45	
CCV	2203/1	504.23052	491.46636	516.99468	3.57995	ug/L	09/10/10	23:45	
CCV	2203/2	496.20306	490.30084	502.10531	1.68217	ug/L	09/10/10	23:45	
CCV	1960/1	4995.47070	4890.71826	5100.22314	2.96553	ug/L	09/10/10	23:45	
CCV	1960/2	4874.94531	4786.04882	4963.84228	2.57887	ug/L	09/10/10	23:45	
CCV	Y	983.49450	1001.87298	965.11602	2.64272		09/10/10	23:45	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.39574	0.14713	0.64436	88:84362	ug/L	09/10/10	23:51	
CCB	Al	-10.51643	-8.75555	-12.27732	23.67977	ug/L	09/10/10	23:51	
CCB	2Al	-0.01051	-0.00875	-0.01227	23.67989	mg/L	09/10/10	23:51	
CCB	As	-1.24430	-0.68526	-1.80334	63.53796	ug/L	09/10/10	23:51	
CCB	B	-11.94882	-11.63135	-12.26628	3.75740	ug/L	09/10/10	23:51	
CCB	Ba	1.45910	0.03336	2.88483	138.18753	ug/L	09/10/10	23:51	
CCB	Be	0.18757	0.06503	0.31011	92.38902	ug/L	09/10/10	23:51	
CCB	Ca	10.62691	7.92425	13.32958	35.96665	ug/L	09/10/10	23:51	
CCB	Cd	0.46639	0.19072	0.74206	83.58894	ug/L	09/10/10	23:51	
CCB	Co	-0.34262	-0.75744	0.07218	171.21702	ug/L	09/10/10	23:51	
CCB	Cr	1.26869	0.31369	2.22369	106.45412	ug/L	09/10/10	23:51	
CCB	Cu	1.95620	0.88552	3.02687	77.40341	ug/L	09/10/10	23:51	
CCB	Fe	5.85572	4.67961	7.03183	28.40415	ug/L	09/10/10	23:51	
CCB	2Fe	0.00585	0.00467	0.00703	28.41118	mg/L	09/10/10	23:51	
CCB	K	0.30905	-17.05537	17.67348	7945.78027	ug/L	09/10/10	23:51	
CCB	Mg	1.61484	1.60557	1.62410	0.81108	ug/L	09/10/10	23:51	
CCB	2Mg	0.00161	0.00160	0.00162	0.84135	mg/L	09/10/10	23:51	
CCB	Mn	1.31922	0.11898	2.51945	128.66609	ug/L	09/10/10	23:51	
CCB	Mo	-0.46812	-0.83021	-0.10602	109.39051	ug/L	09/10/10	23:51	
CCB	Na	6.94184	-38.03992	51.92360	916.38250	ug/L	09/10/10	23:51	
CCB	Ni	0.20101	-0.49174	0.89376	487.38897	ug/L	09/10/10	23:51	
CCB	Pb	0.25225	0.60665	-0.10213	198.68315	ug/L	09/10/10	23:51	
CCB	Se	1.64739	1.97922	1.31556	28.48625	ug/L	09/10/10	23:51	
CCB	Sb	1.39917	-0.14969	2.94805	156.55171	ug/L	09/10/10	23:51	
CCB	Sn	3.26711	0.35573	6.17850	126.02298	ug/L	09/10/10	23:51	
CCB	Sr	0.69527	0.06036	1.33017	129.14218	ug/L	09/10/10	23:51	
CCB	Ti	0.10670	0.16025	0.05316	70.96472	ug/L	09/10/10	23:51	
CCB	Tl	7.42285	6.95488	7.89083	8.91593	ug/L	09/10/10	23:51	
CCB	V	1.10534	-0.49641	2.70710	204.93426	ug/L	09/10/10	23:51	
CCB	Zn	0.96371	0.17005	1.75738	116.46683	ug/L	09/10/10	23:51	
CCB	2203/1	1.15097	1.40662	0.89531	31.41244	ug/L	09/10/10	23:51	
CCB	2203/2	-0.19642	0.20726	-0.60012	290.64785	ug/L	09/10/10	23:51	
CCB	1960/1	6.09134	13.35388	-1.17119	168.61259	ug/L	09/10/10	23:51	
CCB	1960/2	-0.57124	-3.69957	2.55707	774.46759	ug/L	09/10/10	23:51	
CCB	Y	992.25378	994.14166	990.36590	0.26907		09/10/10	23:51	
60930-2	Ag	-3.08640	-3.40611	-2.76670	14.64911	ug/L	09/10/10	23:56	
60930-2	Al	634685.93750	633723.43750	635648.43750	0.21446	ug/L	09/10/10	23:56	
60930-2	2Al	634.68298	633.70526	635.66064	0.21785	mg/L	09/10/10	23:56	
60930-2	As	303.92410	302.15673	305.69146	0.82238	ug/L	09/10/10	23:56	
60930-2	B	80.59898	78.38778	82.81018	3.87983	ug/L	09/10/10	23:56	
60930-2	Ba	5.87627	5.78540	5.96714	2.18698	ug/L	09/10/10	23:56	
60930-2	Be	5.36494	5.35931	5.37057	0.14840	ug/L	09/10/10	23:56	
60930-2	Ca	398238.62500	396509.18750	399968.09375	0.61415	ug/L	09/10/10	23:56	
60930-2	Cd	18.59535	19.23057	17.96012	4.83101	ug/L	09/10/10	23:56	
60930-2	Co	1199.69458	1195.77429	1203.61499	0.46213	ug/L	09/10/10	23:56	
60930-2	Cr	108.96699	108.64998	109.28401	0.41143	ug/L	09/10/10	23:56	
60930-2	Cu	76397.82812	76379.09375	76416.55468	0.03467	ug/L	09/10/10	23:56	
60930-2	Fe	1265460.87500	1261287.50000	1269634.25000	0.46639	ug/L	09/10/10	23:56	
60930-2	2Fe	1265.25903	1261.05639	1269.46179	0.46974	mg/L	09/10/10	23:56	
60930-2	K	715.89196	702.82037	728.96356	2.58223	ug/L	09/10/10	23:56	
60930-2	Mg	41360.19531	41146.05859	41574.32812	0.73218	ug/L	09/10/10	23:56	
60930-2	2Mg	41.12801	40.91467	41.34135	0.73358	mg/L	09/10/10	23:56	
60930-2	Mn	4361.97167	4349.65625	4374.28662	0.39927	ug/L	09/10/10	23:56	
60930-2	Mo	8.71543	9.16680	8.26406	7.32419	ug/L	09/10/10	23:56	
60930-2	Na	91575.67187	90564.90625	92586.42968	1.56093	ug/L	09/10/10	23:56	
60930-2	Ni	605.46423	602.45153	608.47698	0.70369	ug/L	09/10/10	23:56	
60930-2	Pb	-11.10333	-12.20125	-10.00541	13.98398	ug/L	09/10/10	23:56	
60930-2	Se	174.16993	176.73670	171.60316	2.08415	ug/L	09/10/10	23:56	
60930-2	Sb	9.97435	14.81180	5.13690	68.58781	ug/L	09/10/10	23:56	
60930-2	Sn	1.60551	0.61758	2.59344	87.02133	ug/L	09/10/10	23:56	
60930-2	Sr	1423.19116	1421.54809	1424.83435	0.16327	ug/L	09/10/10	23:56	
60930-2	Ti	6.15252	6.16746	6.13758	0.34348	ug/L	09/10/10	23:56	
60930-2	Tl	-37.63210	-28.58202	-46.68218	34.01016	ug/L	09/10/10	23:56	
60930-2	V	114.72085	115.67408	113.76763	1.17508	ug/L	09/10/10	23:56	
60930-2	Zn	555.99713	552.81439	559.17987	0.80954	ug/L	09/10/10	23:56	
60930-2	2203/1	38.98202	45.62153	32.34251	24.08722	ug/L	09/10/10	23:56	
60930-2	2203/2	-36.10846	-41.06929	-31.14763	19.42944	ug/L	09/10/10	23:56	
60930-2	1960/1	169.72042	182.40344	157.03739	10.56826	ug/L	09/10/10	23:56	
60930-2	1960/2	176.39135	173.90759	178.87513	1.99135	ug/L	09/10/10	23:56	
60930-2	Y	1084.54882	1092.46765	1076.62988	1.03259		09/10/10	23:56	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60930-2 1/10	Ag	-0.39724	-0.59629	-0.19819	70.86292	ug/L	09/11/10	00:01	
60930-2 1/10	Al	336.82107	731.78582	-58.14370	165.83419	ug/L	09/11/10	00:01	
60930-2 1/10	2Al	0.33679	0.73173	-0.05814	165.83682	mg/L	09/11/10	00:01	
60930-2 1/10	As	0.12334	1.01101	-0.76433	1017.80230	ug/L	09/11/10	00:01	
60930-2 1/10	B	-29.03785	-28.72694	-29.34875	1.51417	ug/L	09/11/10	00:01	
60930-2 1/10	Ba	-0.20762	-0.25528	-0.15996	32.46286	ug/L	09/11/10	00:01	
60930-2 1/10	Be	0.41566	0.40031	0.43101	5.22284	ug/L	09/11/10	00:01	
60930-2 1/10	Ca	263.42706	492.85693	33.99718	123.16989	ug/L	09/11/10	00:01	
60930-2 1/10	Cd	-0.19852	-0.38761	-0.00943	134.69708	ug/L	09/11/10	00:01	
60930-2 1/10	Co	0.81324	1.82142	-0.19493	175.31919	ug/L	09/11/10	00:01	
60930-2 1/10	Cr	-0.31790	-0.24507	-0.39073	32.39797	ug/L	09/11/10	00:01	
60930-2 1/10	Cu	43.80449	87.68368	-0.07469	141.66250	ug/L	09/11/10	00:01	
60930-2 1/10	Fe	899.73657	1680.51367	118.95951	122.72319	ug/L	09/11/10	00:01	
60930-2 1/10	2Fe	0.89962	1.68030	0.11894	122.72322	mg/L	09/11/10	00:01	
60930-2 1/10	K	-40.50429	-45.56588	-35.44271	17.67259	ug/L	09/11/10	00:01	
60930-2 1/10	Mg	27.71438	56.27122	-0.84245	145.72024	ug/L	09/11/10	00:01	
60930-2 1/10	2Mg	0.02754	0.05596	-0.00086	145.85185	mg/L	09/11/10	00:01	
60930-2 1/10	Mn	2.94460	5.78611	0.10309	136.46983	ug/L	09/11/10	00:01	
60930-2 1/10	Mo	-2.79466	-3.52700	-2.06232	37.05933	ug/L	09/11/10	00:01	
60930-2 1/10	Na	530.32177	689.13604	371.50756	42.35112	ug/L	09/11/10	00:01	
60930-2 1/10	Ni	0.30879	0.34336	0.27422	15.83251	ug/L	09/11/10	00:01	
60930-2 1/10	Pb	2.02624	2.50296	1.54951	33.27294	ug/L	09/11/10	00:01	
60930-2 1/10	Se	-3.43947	-4.52641	-2.35253	44.69196	ug/L	09/11/10	00:01	
60930-2 1/10	Sb	-5.92333	-11.44222	-0.40444	131.76502	ug/L	09/11/10	00:01	
60930-2 1/10	Sn	-2.01689	-4.89280	0.85902	201.65455	ug/L	09/11/10	00:01	
60930-2 1/10	Sr	0.93569	1.87656	-0.00517	142.20423	ug/L	09/11/10	00:01	
60930-2 1/10	Ti	0.04605	0.08878	0.00333	131.18167	ug/L	09/11/10	00:01	
60930-2 1/10	Tl	-4.50740	-9.47705	0.46224	155.92453	ug/L	09/11/10	00:01	
60930-2 1/10	V	-2.20039	-3.45940	-0.94139	80.91721	ug/L	09/11/10	00:01	
60930-2 1/10	Zn	-0.15765	0.31681	-0.63213	425.60800	ug/L	09/11/10	00:01	
60930-2 1/10	2203/1	-3.07126	-6.31616	0.17364	149.41711	ug/L	09/11/10	00:01	
60930-2 1/10	2203/2	4.57116	6.90591	2.23642	72.23171	ug/L	09/11/10	00:01	
60930-2 1/10	1960/1	-4.89338	-10.12982	0.34305	151.33593	ug/L	09/11/10	00:01	
60930-2 1/10	1960/2	-2.71361	-1.72891	-3.69830	51.31788	ug/L	09/11/10	00:01	
60930-2 1/10	Y	2585.68139	2584.92309	2586.43969	0.04147		09/11/10	00:01	
CCV	Ag	506.57727	505.62860	507.52590	0.26483	ug/L	09/11/10	00:08	
CCV	Al	5126.97167	5124.87109	5129.07226	0.05794	ug/L	09/11/10	00:08	
CCV	2Al	5.12678	5.12439	5.12916	0.06579	mg/L	09/11/10	00:08	
CCV	As	505.43475	503.73693	507.13259	0.47505	ug/L	09/11/10	00:08	
CCV	B	4991.24462	4976.66210	5005.82714	0.41317	ug/L	09/11/10	00:08	
CCV	Ba	5149.09863	5138.93652	5159.26025	0.27909	ug/L	09/11/10	00:08	
CCV	Be	496.80108	495.88626	497.71588	0.26041	ug/L	09/11/10	00:08	
CCV	Ca	4991.33105	4990.84960	4991.81201	0.01363	ug/L	09/11/10	00:08	
CCV	Cd	492.79345	492.62500	492.96194	0.04834	ug/L	09/11/10	00:08	
CCV	Co	501.64538	501.42770	501.86306	0.06136	ug/L	09/11/10	00:08	
CCV	Cr	5004.62792	5003.79394	5005.46191	0.02356	ug/L	09/11/10	00:08	
CCV	Cu	5100.95703	5087.51660	5114.39746	0.37262	ug/L	09/11/10	00:08	
CCV	Fe	5012.18603	5017.61083	5006.76123	0.15306	ug/L	09/11/10	00:08	
CCV	2Fe	5.01219	5.01761	5.00677	0.15302	mg/L	09/11/10	00:08	
CCV	K	10226.71386	10219.95214	10233.47558	0.09350	ug/L	09/11/10	00:08	
CCV	Mg	5030.26757	5029.67675	5030.85791	0.01660	ug/L	09/11/10	00:08	
CCV	2Mg	5.03028	5.02968	5.03087	0.01671	mg/L	09/11/10	00:08	
CCV	Mn	5059.36425	5052.89111	5065.83789	0.18094	ug/L	09/11/10	00:08	
CCV	Mo	497.62023	496.91860	498.32183	0.19939	ug/L	09/11/10	00:08	
CCV	Na	7407.66894	7392.06884	7423.26953	0.29782	ug/L	09/11/10	00:08	
CCV	Ni	2517.09277	2515.98144	2518.20410	0.06243	ug/L	09/11/10	00:08	
CCV	Pb	502.43695	502.84259	502.03131	0.11417	ug/L	09/11/10	00:08	
CCV	Se	4982.26562	4983.28125	4981.24951	0.02883	ug/L	09/11/10	00:08	
CCV	Sb	508.70434	505.14022	512.26843	0.99083	ug/L	09/11/10	00:08	
CCV	Sn	4997.75634	4995.90429	4999.60839	0.05240	ug/L	09/11/10	00:08	
CCV	Sr	2546.87255	2540.34252	2553.40258	0.36259	ug/L	09/11/10	00:08	
CCV	Ti	507.24102	506.78213	507.69992	0.12794	ug/L	09/11/10	00:08	
CCV	Tl	4988.95117	4987.38525	4990.51660	0.04438	ug/L	09/11/10	00:08	
CCV	V	5089.08007	5082.25000	5095.90966	0.18979	ug/L	09/11/10	00:08	
CCV	Zn	2502.45581	2502.63500	2502.27661	0.01012	ug/L	09/11/10	00:08	
CCV	2203/1	508.18487	506.20965	510.16012	0.54968	ug/L	09/11/10	00:08	
CCV	2203/2	499.56274	501.15704	497.96841	0.45133	ug/L	09/11/10	00:08	
CCV	1960/1	5054.47851	5044.97802	5063.97949	0.26582	ug/L	09/11/10	00:08	
CCV	1960/2	4946.21289	4952.47900	4939.94677	0.17915	ug/L	09/11/10	00:08	
CCV	Y	995.63867	989.67016	1001.60717	0.84777		09/11/10	00:08	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.18716	0.38112	-0.00679	146.55525	ug/L	09/11/10	00:14	
CCB	Al	-2.80003	-6.31944	0.71937	177.75453	ug/L	09/11/10	00:14	
CCB	2Al	-0.00280	-0.00631	0.00071	177.75262	mg/L	09/11/10	00:14	
CCB	As	-1.44942	-2.50437	-0.39447	102.93177	ug/L	09/11/10	00:14	
CCB	B	-11.53482	-11.10610	-11.96355	5.25632	ug/L	09/11/10	00:14	
CCB	Ba	1.85284	0.38502	3.32066	112.03372	ug/L	09/11/10	00:14	
CCB	Be	0.21369	0.10429	0.32310	72.40364	ug/L	09/11/10	00:14	
CCB	Ca	14.20572	10.47752	17.93393	37.11515	ug/L	09/11/10	00:14	
CCB	Cd	0.31477	-0.18459	0.81414	224.35350	ug/L	09/11/10	00:14	
CCB	Co	0.25181	-0.14490	0.64853	222.80210	ug/L	09/11/10	00:14	
CCB	Cr	1.63155	-0.03373	3.29683	144.34553	ug/L	09/11/10	00:14	
CCB	Cu	2.84808	0.98017	4.71599	92.75070	ug/L	09/11/10	00:14	
CCB	Fe	25.60702	15.90123	35.31282	53.60273	ug/L	09/11/10	00:14	
CCB	2Fe	0.02560	0.01589	0.03530	53.60364	mg/L	09/11/10	00:14	
CCB	K	5.69471	2.43443	8.95499	80.96507	ug/L	09/11/10	00:14	
CCB	Mg	3.20232	4.77123	1.63340	69.28665	ug/L	09/11/10	00:14	
CCB	2Mg	0.00319	0.00476	0.00162	69.41447	mg/L	09/11/10	00:14	
CCB	Mn	1.68993	0.28636	3.09349	117.45677	ug/L	09/11/10	00:14	
CCB	Mo	-0.76939	-2.46971	0.93092	312.53469	ug/L	09/11/10	00:14	
CCB	Na	59.29050	116.51108	2.06993	136.48408	ug/L	09/11/10	00:14	
CCB	Ni	1.24898	0.83900	1.65896	46.42164	ug/L	09/11/10	00:14	
CCB	Pb	1.61346	0.84537	2.38154	67.32344	ug/L	09/11/10	00:14	
CCB	Se	1.00042	2.64799	-0.64714	232.90240	ug/L	09/11/10	00:14	
CCB	Sb	-0.24666	-0.91877	0.42544	385.33935	ug/L	09/11/10	00:14	
CCB	Sn	3.58485	1.65961	5.51009	75.95007	ug/L	09/11/10	00:14	
CCB	Sr	0.90563	0.17691	1.63434	113.79417	ug/L	09/11/10	00:14	
CCB	Ti	0.16128	0.05633	0.26623	92.02217	ug/L	09/11/10	00:14	
CCB	Tl	2.60675	1.35994	3.85356	67.64183	ug/L	09/11/10	00:14	
CCB	V	1.48652	0.16569	2.80735	125.65833	ug/L	09/11/10	00:14	
CCB	Zn	0.50148	-0.24471	1.24768	210.43241	ug/L	09/11/10	00:14	
CCB	2203/1	0.41182	2.11720	-1.29355	585.62805	ug/L	09/11/10	00:14	
CCB	2203/2	2.21337	0.21041	4.21634	127.97705	ug/L	09/11/10	00:14	
CCB	1960/1	1.58248	1.94148	1.22348	32.08255	ug/L	09/11/10	00:14	
CCB	1960/2	0.70983	3.00071	-1.58105	456.41986	ug/L	09/11/10	00:14	
CCB	Y	1008.50598	1009.25250	1007.75939	0.10468		09/11/10	00:14	
PBW 179342) 179511	Ag	-0.39645	-0.49309	-0.29981	34.47351	ug/L	09/11/10	00:19	
PBW 179342) 179511	Al	-8.22537	-8.89304	-7.55770	11.47947	ug/L	09/11/10	00:19	
PBW 179342) 179511	2Al	-0.00822	-0.00889	-0.00755	11.47948	mg/L	09/11/10	00:19	
PBW 179342) 179511	As	-0.11883	0.13503	-0.37271	302.12271	ug/L	09/11/10	00:19	
PBW 179342) 179511	B	-15.46433	-15.02165	-15.90701	4.04830	ug/L	09/11/10	00:19	
PBW 179342) 179511	Ba	0.37713	0.33996	0.41430	13.93809	ug/L	09/11/10	00:19	
PBW 179342) 179511	Be	0.01281	0.01118	0.01445	18.03229	ug/L	09/11/10	00:19	
PBW 179342) 179511	Ca	121.31221	122.32344	120.30098	1.17885	ug/L	09/11/10	00:19	
PBW 179342) 179511	Cd	-0.12675	-0.12726	-0.12625	0.56045	ug/L	09/11/10	00:19	
PBW 179342) 179511	Co	-0.43002	0.05989	-0.91994	161.11904	ug/L	09/11/10	00:19	
PBW 179342) 179511	Cr	0.58435	0.54641	0.62229	9.18221	ug/L	09/11/10	00:19	
PBW 179342) 179511	Cu	0.58226	0.65890	0.50563	18.61296	ug/L	09/11/10	00:19	
PBW 179342) 179511	Fe	1.63332	-3.48687	6.75351	443.33239	ug/L	09/11/10	00:19	
PBW 179342) 179511	2Fe	0.00163	-0.00348	0.00675	443.36563	mg/L	09/11/10	00:19	
PBW 179342) 179511	K	31.54910	29.81791	33.28030	7.76021	ug/L	09/11/10	00:19	
PBW 179342) 179511	Mg	20.49631	17.39446	23.59815	21.40225	ug/L	09/11/10	00:19	
PBW 179342) 179511	2Mg	0.02049	0.01739	0.02359	21.39667	mg/L	09/11/10	00:19	
PBW 179342) 179511	Mn	-0.15057	-0.22442	-0.07673	69.35598	ug/L	09/11/10	00:19	
PBW 179342) 179511	Mo	-0.84764	-1.83254	0.13725	164.32116	ug/L	09/11/10	00:19	
PBW 179342) 179511	Na	163591.87500	163308.17187	163875.59375	0.24526	ug/L	09/11/10	00:19	
PBW 179342) 179511	Ni	-0.15995	-0.54138	0.22146	337.21801	ug/L	09/11/10	00:19	
PBW 179342) 179511	Pb	0.84699	0.49271	1.20126	59.15268	ug/L	09/11/10	00:19	
PBW 179342) 179511	Se	-3.91852	-2.92844	-4.90859	35.73237	ug/L	09/11/10	00:19	
PBW 179342) 179511	Sb	-0.20900	1.09350	-1.51150	881.35003	ug/L	09/11/10	00:19	
PBW 179342) 179511	Sn	1.96234	4.27107	-0.34638	166.38414	ug/L	09/11/10	00:19	
PBW 179342) 179511	Sr	0.73316	0.69673	0.76958	7.02658	ug/L	09/11/10	00:19	
PBW 179342) 179511	Ti	-0.09905	-0.17303	-0.02506	105.63540	ug/L	09/11/10	00:19	
PBW 179342) 179511	Tl	0.37859	0.97654	-0.21936	223.36235	ug/L	09/11/10	00:19	
PBW 179342) 179511	V	-0.39365	-0.08620	-0.70109	110.45180	ug/L	09/11/10	00:19	
PBW 179342) 179511	Zn	0.96511	0.69980	1.23043	38.87713	ug/L	09/11/10	00:19	
PBW 179342) 179511	2203/1	2.67402	3.98878	1.35925	69.53414	ug/L	09/11/10	00:19	
PBW 179342) 179511	2203/2	-0.06515	-1.25269	1.12238	2577.65942	ug/L	09/11/10	00:19	
PBW 179342) 179511	1960/1	-0.96361	1.79798	-3.72522	405.29498	ug/L	09/11/10	00:19	
PBW 179342) 179511	1960/2	-5.39375	-5.28811	-5.49939	2.76985	ug/L	09/11/10	00:19	
PBW 179342) 179511	Y	1013.15332	1010.47985	1015.82684	0.37318		09/11/10	00:19	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW (179455)	Ag	-0.56964	-0.29368	-0.84560	68.51100	ug/L	09/11/10	00:24	
PBW (179455)	Al	-7.15145	-7.58867	-6.71422	8.64615	ug/L	09/11/10	00:24	
PBW (179455)	2Al	-0.00715	-0.00758	-0.00671	8.64626	mg/L	09/11/10	00:24	
PBW (179455)	As	-2.45564	-0.55462	-4.35666	109.48054	ug/L	09/11/10	00:24	
PBW (179455)	B	-21.63746	-21.49620	-21.77873	0.92330	ug/L	09/11/10	00:24	
PBW (179455)	Ba	0.54833	0.53242	0.56425	4.10493	ug/L	09/11/10	00:24	
PBW (179455)	Be	0.00251	0.00552	-0.00048	168.87902	ug/L	09/11/10	00:24	
PBW (179455)	Ca	58.68669	58.28662	59.08675	0.96406	ug/L	09/11/10	00:24	
PBW (179455)	Cd	0.09103	0.14791	0.03414	88.38029	ug/L	09/11/10	00:24	
PBW (179455)	Co	-0.66094	-0.97684	-0.34504	67.59257	ug/L	09/11/10	00:24	
PBW (179455)	Cr	-0.14070	-0.35452	0.07312	214.91700	ug/L	09/11/10	00:24	
PBW (179455)	Cu	-0.18057	-0.55685	0.19570	294.69873	ug/L	09/11/10	00:24	
PBW (179455)	Fe	-7.52248	-3.38283	-11.66213	77.82471	ug/L	09/11/10	00:24	
PBW (179455)	2Fe	-0.00752	-0.00338	-0.01166	77.81972	mg/L	09/11/10	00:24	
PBW (179455)	K	55.94687	61.36171	50.53203	13.68751	ug/L	09/11/10	00:24	
PBW (179455)	Mg	8.14003	8.15195	8.12812	0.20703	ug/L	09/11/10	00:24	
PBW (179455)	2Mg	0.00813	0.00815	0.00812	0.19425	mg/L	09/11/10	00:24	
PBW (179455)	Mn	-0.16862	-0.18118	-0.15605	10.53859	ug/L	09/11/10	00:24	
PBW (179455)	Mo	-1.58385	-1.54720	-1.62049	3.27192	ug/L	09/11/10	00:24	
PBW (179455)	Na	149566.85937	149548.95312	149584.76562	0.01693	ug/L	09/11/10	00:24	
PBW (179455)	Ni	-1.29894	-1.17121	-1.42667	13.90685	ug/L	09/11/10	00:24	
PBW (179455)	Pb	1.59136	0.81015	2.37256	69.42417	ug/L	09/11/10	00:24	
PBW (179455)	Se	-1.37990	0.61714	-3.37695	204.67016	ug/L	09/11/10	00:24	
PBW (179455)	Sb	-1.04101	0.85886	-2.94088	258.09762	ug/L	09/11/10	00:24	
PBW (179455)	Sn	3.05425	5.42752	0.68098	109.88982	ug/L	09/11/10	00:24	
PBW (179455)	Sr	0.37368	0.34364	0.40371	11.36822	ug/L	09/11/10	00:24	
PBW (179455)	Ti	-0.15496	-0.14477	-0.16514	9.29549	ug/L	09/11/10	00:24	
PBW (179455)	Tl	-2.77816	-0.65205	-4.90426	108.22852	ug/L	09/11/10	00:24	
PBW (179455)	V	-0.83862	-0.86647	-0.81077	4.69603	ug/L	09/11/10	00:24	
PBW (179455)	Zn	0.35513	0.32131	0.38894	13.46610	ug/L	09/11/10	00:24	
PBW (179455)	2203/1	0.18020	1.15613	-0.79572	765.87402	ug/L	09/11/10	00:24	
PBW (179455)	2203/2	2.29588	0.63742	3.95433	102.15724	ug/L	09/11/10	00:24	
PBW (179455)	1960/1	-2.24323	3.21110	-7.69758	343.86071	ug/L	09/11/10	00:24	
PBW (179455)	1960/2	-0.94888	-0.67789	-1.21988	40.38893	ug/L	09/11/10	00:24	
PBW (179455)	Y	976.23614	974.55151	977.92077	0.24404		09/11/10	00:24	
LCSW-1	Ag	52.68017	52.89521	52.46513	0.57727	ug/L	09/11/10	00:30	
LCSW-1	Al	2111.97900	2114.10766	2109.85009	0.14254	ug/L	09/11/10	00:30	
LCSW-1	2Al	2.11193	2.11416	2.10971	0.14900	mg/L	09/11/10	00:30	
LCSW-1	As	2091.73144	2092.32226	2091.14038	0.03995	ug/L	09/11/10	00:30	
LCSW-1	B	1021.98474	1023.34753	1020.62200	0.18857	ug/L	09/11/10	00:30	
LCSW-1	Ba	2111.31982	2114.16796	2108.47143	0.19078	ug/L	09/11/10	00:30	
LCSW-1	Be	51.18186	51.29919	51.06454	0.32419	ug/L	09/11/10	00:30	
LCSW-1	Ca	5164.55810	5172.57080	5156.54541	0.21941	ug/L	09/11/10	00:30	
LCSW-1	Cd	52.12212	52.07581	52.16843	0.12565	ug/L	09/11/10	00:30	
LCSW-1	Co	523.40795	524.18041	522.63549	0.20871	ug/L	09/11/10	00:30	
LCSW-1	Cr	208.34457	208.63827	208.05087	0.19936	ug/L	09/11/10	00:30	
LCSW-1	Cu	268.21923	268.74835	267.69015	0.27897	ug/L	09/11/10	00:30	
LCSW-1	Fe	1041.05029	1048.20532	1033.89514	0.97198	ug/L	09/11/10	00:30	
LCSW-1	2Fe	1.04113	1.04829	1.03398	0.97182	mg/L	09/11/10	00:30	
LCSW-1	K	6260.15136	6275.18750	6245.11523	0.33967	ug/L	09/11/10	00:30	
LCSW-1	Mg	5102.04687	5099.95117	5104.14208	0.05808	ug/L	09/11/10	00:30	
LCSW-1	2Mg	5.10066	5.09856	5.10275	0.05810	mg/L	09/11/10	00:30	
LCSW-1	Mn	520.96569	521.77172	520.15966	0.21880	ug/L	09/11/10	00:30	
LCSW-1	Mo	518.28564	516.11566	520.45562	0.59210	ug/L	09/11/10	00:30	
LCSW-1	Na	209308.96875	210688.10937	207929.84375	0.93182	ug/L	09/11/10	00:30	
LCSW-1	Ni	520.27038	520.91174	519.62908	0.17432	ug/L	09/11/10	00:30	
LCSW-1	Pb	519.23492	522.80810	515.66174	0.97320	ug/L	09/11/10	00:30	
LCSW-1	Se	2094.07763	2101.17993	2086.97534	0.47964	ug/L	09/11/10	00:30	
LCSW-1	Sb	523.87487	522.52679	525.22302	0.36392	ug/L	09/11/10	00:30	
LCSW-1	Sn	1036.16650	1038.75952	1033.57348	0.35390	ug/L	09/11/10	00:30	
LCSW-1	Sr	523.43859	522.53344	524.34375	0.24455	ug/L	09/11/10	00:30	
LCSW-1	Ti	726.32128	727.20257	725.44000	0.17159	ug/L	09/11/10	00:30	
LCSW-1	Tl	2145.00903	2141.24243	2148.77563	0.24833	ug/L	09/11/10	00:30	
LCSW-1	V	521.51196	521.89556	521.12835	0.10402	ug/L	09/11/10	00:30	
LCSW-1	Zn	530.36328	531.13989	529.58660	0.20709	ug/L	09/11/10	00:30	
LCSW-1	2203/1	528.60162	529.52368	527.67956	0.24668	ug/L	09/11/10	00:30	
LCSW-1	2203/2	514.55859	519.45532	509.66186	1.34581	ug/L	09/11/10	00:30	
LCSW-1	1960/1	2124.17285	2114.92578	2133.41967	0.61563	ug/L	09/11/10	00:30	
LCSW-1	1960/2	2079.05224	2094.31689	2063.78735	1.03834	ug/L	09/11/10	00:30	
LCSW-1	Y	971.65911	970.49432	972.82391	0.16953		09/11/10	00:30	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-2	Ag	51.55425	51.51780	51.59069	0.09997	ug/L	09/11/10	00:35	
LCSW-2	Al	2058.40039	2059.94140	2056.85961	0.10586	ug/L	09/11/10	00:35	
LCSW-2	2Al	2.05826	2.05980	2.05672	0.10588	mg/L	09/11/10	00:35	
LCSW-2	As	2056.41894	2059.08374	2053.75390	0.18326	ug/L	09/11/10	00:35	
LCSW-2	B	1014.11145	1013.62603	1014.59686	0.06769	ug/L	09/11/10	00:35	
LCSW-2	Ba	2076.02563	2078.83251	2073.21875	0.19120	ug/L	09/11/10	00:35	
LCSW-2	Be	50.72926	50.77622	50.68230	0.13091	ug/L	09/11/10	00:35	
LCSW-2	Ca	5124.64892	5127.99560	5121.30224	0.09235	ug/L	09/11/10	00:35	
LCSW-2	Cd	50.88278	50.65435	51.11121	0.63489	ug/L	09/11/10	00:35	
LCSW-2	Co	517.70642	518.20062	517.21221	0.13500	ug/L	09/11/10	00:35	
LCSW-2	Cr	204.52453	204.48141	204.56765	0.02981	ug/L	09/11/10	00:35	
LCSW-2	Cu	262.55361	263.77725	261.32998	0.65909	ug/L	09/11/10	00:35	
LCSW-2	Fe	1019.99908	1021.28259	1018.71557	0.17795	ug/L	09/11/10	00:35	
LCSW-2	2Fe	1.02008	1.02137	1.01880	0.17795	mg/L	09/11/10	00:35	
LCSW-2	K	6125.35400	6128.16650	6122.54150	0.06493	ug/L	09/11/10	00:35	
LCSW-2	Mg	5054.75439	5055.13525	5054.37353	0.01065	ug/L	09/11/10	00:35	
LCSW-2	2Mg	5.05338	5.05376	5.05300	0.01065	mg/L	09/11/10	00:35	
LCSW-2	Mn	514.28729	514.73571	513.83886	0.12331	ug/L	09/11/10	00:35	
LCSW-2	Mo	513.30603	514.30487	512.30718	0.27519	ug/L	09/11/10	00:35	
LCSW-2	Na	200478.28125	200803.75000	200152.79687	0.22959	ug/L	09/11/10	00:35	
LCSW-2	Ni	513.44543	514.10687	512.78399	0.18218	ug/L	09/11/10	00:35	
LCSW-2	Pb	510.59771	509.39724	511.79815	0.33249	ug/L	09/11/10	00:35	
LCSW-2	Se	2058.36230	2064.29614	2052.42871	0.40768	ug/L	09/11/10	00:35	
LCSW-2	Sb	512.79870	512.53649	513.06097	0.07232	ug/L	09/11/10	00:35	
LCSW-2	Sn	1024.38952	1024.53894	1024.24011	0.02062	ug/L	09/11/10	00:35	
LCSW-2	Sr	517.67333	517.18572	518.16101	0.13321	ug/L	09/11/10	00:35	
LCSW-2	Ti	716.67712	718.04077	715.31347	0.26908	ug/L	09/11/10	00:35	
LCSW-2	Tl	2112.13867	2113.81250	2110.46508	0.11206	ug/L	09/11/10	00:35	
LCSW-2	V	513.39904	513.96368	512.83435	0.15554	ug/L	09/11/10	00:35	
LCSW-2	Zn	525.97167	526.94891	524.99438	0.26276	ug/L	09/11/10	00:35	
LCSW-2	2203/1	518.85400	517.27062	520.43731	0.43156	ug/L	09/11/10	00:35	
LCSW-2	2203/2	506.47576	505.46646	507.48504	0.28182	ug/L	09/11/10	00:35	
LCSW-2	1960/1	2094.35644	2106.16601	2082.54663	0.79744	ug/L	09/11/10	00:35	
LCSW-2	1960/2	2040.39196	2043.39221	2037.39172	0.20794	ug/L	09/11/10	00:35	
LCSW-2	Y	1008.24798	1007.54052	1008.95544	0.09923		09/11/10	00:35	
60909-1	Ag	-0.56724	-0.03807	-1.09640	131.92854	ug/L	09/11/10	00:41	
60909-1	Al	18.34067	17.29047	19.39087	8.09787	ug/L	09/11/10	00:41	
60909-1	2Al	0.01834	0.01729	0.01939	8.09788	mg/L	09/11/10	00:41	
60909-1	As	11.36944	10.78383	11.95505	7.28418	ug/L	09/11/10	00:41	
60909-1	B	-7.26936	-7.68189	-6.85682	8.02560	ug/L	09/11/10	00:41	
60909-1	Ba	4.87794	4.88300	4.87287	0.14692	ug/L	09/11/10	00:41	
60909-1	Be	0.01991	0.04034	-0.00051	145.05648	ug/L	09/11/10	00:41	
60909-1	Ca	3172.38598	3170.64721	3174.12475	0.07751	ug/L	09/11/10	00:41	
60909-1	Cd	0.12599	0.13962	0.11237	15.29567	ug/L	09/11/10	00:41	
60909-1	Co	-0.26840	-0.49607	-0.04072	119.96523	ug/L	09/11/10	00:41	
60909-1	Cr	0.14444	0.30123	-0.01234	153.51188	ug/L	09/11/10	00:41	
60909-1	Cu	1.06262	1.11130	1.01394	6.47880	ug/L	09/11/10	00:41	
60909-1	Fe	98.42440	102.68327	94.16553	6.11936	ug/L	09/11/10	00:41	
60909-1	2Fe	0.09841	0.10267	0.09415	6.11930	mg/L	09/11/10	00:41	
60909-1	K	100.14682	115.67395	84.61968	21.92649	ug/L	09/11/10	00:41	
60909-1	Mg	236.63116	236.55662	236.70570	0.04454	ug/L	09/11/10	00:41	
60909-1	2Mg	0.23654	0.23647	0.23662	0.04499	mg/L	09/11/10	00:41	
60909-1	Mn	4.95521	4.95182	4.95861	0.09692	ug/L	09/11/10	00:41	
60909-1	Mo	-0.37564	-1.17628	0.42500	301.42596	ug/L	09/11/10	00:41	
60909-1	Na	207152.43750	209445.09375	204859.76562	1.56518	ug/L	09/11/10	00:41	
60909-1	Ni	0.45585	1.12992	-0.21821	209.11781	ug/L	09/11/10	00:41	
60909-1	Pb	2.59595	2.14166	3.05025	24.74887	ug/L	09/11/10	00:41	
60909-1	Se	-0.83507	1.16103	-2.83119	338.04425	ug/L	09/11/10	00:41	
60909-1	Sb	1.71797	2.85336	0.58257	93.46442	ug/L	09/11/10	00:41	
60909-1	Sn	3.62330	3.55928	3.68732	2.49875	ug/L	09/11/10	00:41	
60909-1	Sr	31.31534	31.33245	31.29822	0.07729	ug/L	09/11/10	00:41	
60909-1	Ti	0.02076	0.05192	-0.01039	212.19383	ug/L	09/11/10	00:41	
60909-1	Tl	2.72714	2.40074	3.05354	16.92610	ug/L	09/11/10	00:41	
60909-1	V	-0.01731	0.17510	-0.20973	1571.76647	ug/L	09/11/10	00:41	
60909-1	Zn	103.97131	103.72125	104.22138	0.34013	ug/L	09/11/10	00:41	
60909-1	2203/1	3.86338	6.83037	0.89638	108.60870	ug/L	09/11/10	00:41	
60909-1	2203/2	1.96319	-0.19918	4.12557	155.76959	ug/L	09/11/10	00:41	
60909-1	1960/1	7.87335	10.17284	5.57386	41.30352	ug/L	09/11/10	00:41	
60909-1	1960/2	-5.18276	-3.33811	-7.02741	50.33473	ug/L	09/11/10	00:41	
60909-1	Y	971.19787	964.71734	977.67846	0.94366		09/11/10	00:41	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60999-1	Ag	-0.51990	-0.69508	-0.34472	47.65210	ug/L	09/11/10	00:46	
60999-1	Al	-2.06520	-1.83743	-2.29297	15.59741	ug/L	09/11/10	00:46	
60999-1	2Al	-0.00206	-0.00183	-0.00229	15.59664	mg/L	09/11/10	00:46	
60999-1	As	-2.56208	-4.00002	-1.12413	79.37165	ug/L	09/11/10	00:46	
60999-1	B	-17.93920	-17.86542	-18.01297	0.58159	ug/L	09/11/10	00:46	
60999-1	Ba	65.72026	65.61949	65.82104	0.21685	ug/L	09/11/10	00:46	
60999-1	Be	0.00890	-0.00021	0.01801	144.88238	ug/L	09/11/10	00:46	
60999-1	Ca	60981.14843	60811.46484	61150.83593	0.39351	ug/L	09/11/10	00:46	
60999-1	Cd	-0.08117	-0.11036	-0.05198	50.85223	ug/L	09/11/10	00:46	
60999-1	Co	-0.76298	-0.28667	-1.23930	88.28591	ug/L	09/11/10	00:46	
60999-1	Cr	0.41431	0.63021	0.19840	73.69844	ug/L	09/11/10	00:46	
60999-1	Cu	0.60079	0.72320	0.47839	28.81265	ug/L	09/11/10	00:46	
60999-1	Fe	6.58938	8.34305	4.83571	37.63722	ug/L	09/11/10	00:46	
60999-1	2Fe	0.00658	0.00834	0.00483	37.64293	mg/L	09/11/10	00:46	
60999-1	K	520.89855	518.10223	523.69494	0.75919	ug/L	09/11/10	00:46	
60999-1	Mg	1429.01733	1428.15283	1429.88171	0.08554	ug/L	09/11/10	00:46	
60999-1	2Mg	1.42867	1.42781	1.42954	0.08559	mg/L	09/11/10	00:46	
60999-1	Mn	143.20104	142.80102	143.60107	0.39505	ug/L	09/11/10	00:46	
60999-1	Mo	-1.33035	-2.13146	-0.52923	85.16120	ug/L	09/11/10	00:46	
60999-1	Na	184672.53125	183850.73437	185494.34375	0.62933	ug/L	09/11/10	00:46	
60999-1	Ni	0.03375	-0.09902	0.16654	556.23913	ug/L	09/11/10	00:46	
60999-1	Pb	-0.71732	-0.60020	-0.83444	23.09030	ug/L	09/11/10	00:46	
60999-1	Se	-1.05754	-1.76730	-0.34778	94.91326	ug/L	09/11/10	00:46	
60999-1	Sb	-3.20080	-3.83873	-2.56286	28.18593	ug/L	09/11/10	00:46	
60999-1	Sn	1.24169	1.29028	1.19310	5.53417	ug/L	09/11/10	00:46	
60999-1	Sr	77.93090	77.83390	78.02790	0.17602	ug/L	09/11/10	00:46	
60999-1	Ti	0.02070	0.03979	0.00162	130.31845	ug/L	09/11/10	00:46	
60999-1	Tl	1.31756	-0.57910	3.21423	203.57917	ug/L	09/11/10	00:46	
60999-1	V	0.30535	0.86492	-0.25421	259.15588	ug/L	09/11/10	00:46	
60999-1	Zn	1.77796	1.85152	1.70440	5.85082	ug/L	09/11/10	00:46	
60999-1	2203/1	1.52279	1.28267	1.76290	22.29957	ug/L	09/11/10	00:46	
60999-1	2203/2	-1.83570	-1.54023	-2.13118	22.76283	ug/L	09/11/10	00:46	
60999-1	1960/1	1.09342	1.23631	0.95053	18.48155	ug/L	09/11/10	00:46	
60999-1	1960/2	-2.13141	-3.26686	-0.99597	75.33781	ug/L	09/11/10	00:46	
60999-1	Y	980.10571	978.46020	981.75128	0.23743		09/11/10	00:46	
60999-2	Ag	-0.24097	-0.79991	0.31795	328.01602	ug/L	09/11/10	00:51	
60999-2	Al	1.70107	0.43687	2.96528	105.10160	ug/L	09/11/10	00:51	
60999-2	2Al	0.00170	0.00043	0.00296	105.10067	mg/L	09/11/10	00:51	
60999-2	As	-0.38321	-0.15273	-0.61369	85.05577	ug/L	09/11/10	00:51	
60999-2	B	-16.23301	-15.26613	-17.19990	8.42344	ug/L	09/11/10	00:51	
60999-2	Ba	66.96673	66.90560	67.02785	0.12908	ug/L	09/11/10	00:51	
60999-2	Be	0.01998	-0.00007	0.04004	141.94960	ug/L	09/11/10	00:51	
60999-2	Ca	78316.16406	78183.82031	78448.50781	0.23898	ug/L	09/11/10	00:51	
60999-2	Cd	-0.04949	-0.04113	-0.05785	23.88336	ug/L	09/11/10	00:51	
60999-2	Co	0.01725	0.04572	-0.01121	233.31143	ug/L	09/11/10	00:51	
60999-2	Cr	0.06175	0.25666	-0.13314	446.30868	ug/L	09/11/10	00:51	
60999-2	Cu	1.01915	1.02996	1.00834	1.50026	ug/L	09/11/10	00:51	
60999-2	Fe	9.09126	-3.43950	21.62203	194.92544	ug/L	09/11/10	00:51	
60999-2	2Fe	0.00909	-0.00343	0.02161	194.92594	mg/L	09/11/10	00:51	
60999-2	K	598.89050	582.58758	615.19342	3.84975	ug/L	09/11/10	00:51	
60999-2	Mg	1351.90185	1350.90270	1352.90100	0.10451	ug/L	09/11/10	00:51	
60999-2	2Mg	1.35157	1.35057	1.35256	0.10430	mg/L	09/11/10	00:51	
60999-2	Mn	115.00083	114.70738	115.29428	0.36087	ug/L	09/11/10	00:51	
60999-2	Mo	-2.50816	-3.17362	-1.84269	37.52169	ug/L	09/11/10	00:51	
60999-2	Na	232501.54687	232137.59375	232865.50000	0.22137	ug/L	09/11/10	00:51	
60999-2	Ni	-0.52423	-0.68581	-0.36265	43.58780	ug/L	09/11/10	00:51	
60999-2	Pb	0.75377	2.04235	-0.53479	241.75900	ug/L	09/11/10	00:51	
60999-2	Se	-2.78638	-3.12365	-2.44910	17.11838	ug/L	09/11/10	00:51	
60999-2	Sb	-2.92779	-2.57586	-3.27972	16.99932	ug/L	09/11/10	00:51	
60999-2	Sn	-0.85621	-0.46718	-1.24525	64.25724	ug/L	09/11/10	00:51	
60999-2	Sr	112.18421	112.04193	112.32650	0.17937	ug/L	09/11/10	00:51	
60999-2	Ti	0.23624	0.30146	0.17103	39.03719	ug/L	09/11/10	00:51	
60999-2	Tl	-0.47613	-1.17478	0.22251	207.51353	ug/L	09/11/10	00:51	
60999-2	V	-0.00643	-0.46298	0.45012	10041.38476	ug/L	09/11/10	00:51	
60999-2	Zn	4.00067	4.13888	3.86247	4.88536	ug/L	09/11/10	00:51	
60999-2	2203/1	-0.14215	1.89384	-2.17815	2025.48571	ug/L	09/11/10	00:51	
60999-2	2203/2	1.20107	2.11649	0.28564	107.78745	ug/L	09/11/10	00:51	
60999-2	1960/1	2.16577	-0.49257	4.82412	173.58583	ug/L	09/11/10	00:51	
60999-2	1960/2	-5.25874	-4.43722	-6.08026	22.09276	ug/L	09/11/10	00:51	
60999-2	Y	965.00659	965.71795	964.29522	0.10425		09/11/10	00:51	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60999-3	Ag	0.15604	0.25388	0.05821	88.66703	ug/L	09/11/10	00:57	
60999-3	Al	-5.69076	-6.99495	-4.38658	32.41031	ug/L	09/11/10	00:57	
60999-3	2Al	-0.00569	-0.00699	-0.00438	32.41030	mg/L	09/11/10	00:57	
60999-3	As	-2.25744	-3.88452	-0.63036	101.93092	ug/L	09/11/10	00:57	
60999-3	B	-21.32487	-21.82935	-20.82039	3.34557	ug/L	09/11/10	00:57	
60999-3	Ba	49.67756	49.73575	49.61937	0.16565	ug/L	09/11/10	00:57	
60999-3	Be	0.01213	0.01037	0.01388	20.46712	ug/L	09/11/10	00:57	
60999-3	Ca	58763.64843	58793.58203	58733.71093	0.07204	ug/L	09/11/10	00:57	
60999-3	Cd	0.16206	0.04766	0.27647	99.83096	ug/L	09/11/10	00:57	
60999-3	Co	-0.52457	-0.58430	-0.46483	16.10529	ug/L	09/11/10	00:57	
60999-3	Cr	-0.46320	-0.39979	-0.52661	19.35963	ug/L	09/11/10	00:57	
60999-3	Cu	0.18849	0.01138	0.36560	132.87733	ug/L	09/11/10	00:57	
60999-3	Fe	8.33571	9.46922	7.20220	19.23078	ug/L	09/11/10	00:57	
60999-3	2Fe	0.00833	0.00946	0.00720	19.23131	mg/L	09/11/10	00:57	
60999-3	K	448.76876	450.40875	447.12878	0.51681	ug/L	09/11/10	00:57	
60999-3	Mg	1042.40661	1041.63000	1043.18322	0.10536	ug/L	09/11/10	00:57	
60999-3	2Mg	1.04214	1.04136	1.04292	0.10538	mg/L	09/11/10	00:57	
60999-3	Mn	74.45021	74.46804	74.43238	0.03386	ug/L	09/11/10	00:57	
60999-3	Mo	-1.54639	-1.83856	-1.25421	26.72037	ug/L	09/11/10	00:57	
60999-3	Na	170888.51562	170972.26562	170804.76562	0.06930	ug/L	09/11/10	00:57	
60999-3	Ni	0.96024	0.87048	1.05000	13.21901	ug/L	09/11/10	00:57	
60999-3	Pb	-0.05912	-0.48688	0.36862	1023.10736	ug/L	09/11/10	00:57	
60999-3	Se	1.73543	2.68368	0.78718	77.27331	ug/L	09/11/10	00:57	
60999-3	Sb	2.18907	1.67183	2.70630	33.41537	ug/L	09/11/10	00:57	
60999-3	Sn	2.01525	0.84572	3.18477	82.07206	ug/L	09/11/10	00:57	
60999-3	Sr	82.87781	82.88887	82.86675	0.01887	ug/L	09/11/10	00:57	
60999-3	Ti	-0.11644	-0.25366	0.02076	166.64157	ug/L	09/11/10	00:57	
60999-3	Tl	-2.38014	-0.95309	-3.80718	84.79103	ug/L	09/11/10	00:57	
60999-3	V	-0.10659	0.15605	-0.36924	348.45486	ug/L	09/11/10	00:57	
60999-3	Zn	2.51016	2.60318	2.41714	5.24080	ug/L	09/11/10	00:57	
60999-3	2203/1	2.02060	0.93967	3.10154	75.65389	ug/L	09/11/10	00:57	
60999-3	2203/2	-1.09743	-1.19909	-0.99578	13.09986	ug/L	09/11/10	00:57	
60999-3	1960/1	3.06924	2.88349	3.25500	8.55883	ug/L	09/11/10	00:57	
60999-3	1960/2	1.06952	2.58392	-0.44487	200.24597	ug/L	09/11/10	00:57	
60999-3	Y	978.76501	982.56427	974.96582	0.54894		09/11/10	00:57	
60999-4	Ag	-0.06408	0.41876	-0.54693	1065.52319	ug/L	09/11/10	01:02	
60999-4	Al	-0.59465	-1.43606	0.24675	200.10606	ug/L	09/11/10	01:02	
60999-4	2Al	-0.00059	-0.00143	0.00024	200.10926	mg/L	09/11/10	01:02	
60999-4	As	-1.98281	-3.44848	-0.51715	104.53632	ug/L	09/11/10	01:02	
60999-4	B	-20.45213	-21.04169	-19.86257	4.07664	ug/L	09/11/10	01:02	
60999-4	Ba	81.32225	81.07383	81.57067	0.43200	ug/L	09/11/10	01:02	
60999-4	Be	0.02207	0.01606	0.02808	38.51515	ug/L	09/11/10	01:02	
60999-4	Ca	71535.15625	71244.72656	71825.58593	0.57416	ug/L	09/11/10	01:02	
60999-4	Cd	-0.05068	0.14703	-0.24839	551.71575	ug/L	09/11/10	01:02	
60999-4	Co	0.00494	0.23136	-0.22147	6476.14208	ug/L	09/11/10	01:02	
60999-4	Cr	-0.43690	-0.48148	-0.39232	14.43048	ug/L	09/11/10	01:02	
60999-4	Cu	-0.33774	0.13513	-0.81063	198.00627	ug/L	09/11/10	01:02	
60999-4	Fe	2.54790	1.31123	3.78457	68.64138	ug/L	09/11/10	01:02	
60999-4	2Fe	0.00254	0.00131	0.00378	68.63829	mg/L	09/11/10	01:02	
60999-4	K	647.43328	642.30895	652.55761	1.11932	ug/L	09/11/10	01:02	
60999-4	Mg	1808.53894	1798.29370	1818.78417	0.80114	ug/L	09/11/10	01:02	
60999-4	2Mg	1.80810	1.79786	1.81834	0.80111	mg/L	09/11/10	01:02	
60999-4	Mn	162.93286	162.35929	163.50643	0.49784	ug/L	09/11/10	01:02	
60999-4	Mo	-1.73006	-2.21244	-1.24768	39.43159	ug/L	09/11/10	01:02	
60999-4	Na	220165.00000	219641.45312	220688.53125	0.33629	ug/L	09/11/10	01:02	
60999-4	Ni	1.13647	1.31067	0.96228	21.67664	ug/L	09/11/10	01:02	
60999-4	Pb	0.10278	0.18570	0.01986	114.08905	ug/L	09/11/10	01:02	
60999-4	Se	-0.59018	0.29140	-1.47177	211.24958	ug/L	09/11/10	01:02	
60999-4	Sb	-1.86869	-1.77860	-1.95879	6.81822	ug/L	09/11/10	01:02	
60999-4	Sn	0.19566	0.20252	0.18880	4.95569	ug/L	09/11/10	01:02	
60999-4	Sr	93.59405	93.37294	93.81515	0.33408	ug/L	09/11/10	01:02	
60999-4	Ti	-0.07298	-0.17105	0.02508	190.03213	ug/L	09/11/10	01:02	
60999-4	Tl	-3.08649	-2.39853	-3.77446	31.52216	ug/L	09/11/10	01:02	
60999-4	V	-0.72737	-0.56648	-0.88826	31.28142	ug/L	09/11/10	01:02	
60999-4	Zn	1.42997	1.38728	1.47265	4.22178	ug/L	09/11/10	01:02	
60999-4	2203/1	1.23730	1.88833	0.58626	74.41197	ug/L	09/11/10	01:02	
60999-4	2203/2	-0.46362	-0.66433	-0.26291	61.22391	ug/L	09/11/10	01:02	
60999-4	1960/1	2.17316	-1.40010	5.74643	232.53488	ug/L	09/11/10	01:02	
60999-4	1960/2	-1.96978	1.13589	-5.07547	222.97346	ug/L	09/11/10	01:02	
60999-4	Y	961.57092	965.25677	957.88507	0.54209		09/11/10	01:02	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
69051-1	Ag	-1.66900	-3.33582	-0.00217	141.23703	ug/L	09/11/10	01:07	
69051-1	Al	295.10388	294.64804	295.55975	0.21845	ug/L	09/11/10	01:07	
69051-1	2Al	0.29511	0.29465	0.29556	0.21845	mg/L	09/11/10	01:07	
69051-1	As	0.00138	-0.25709	0.25986	26405.31054	ug/L	09/11/10	01:07	
69051-1	B	10.52486	11.14245	9.90727	8.29851	ug/L	09/11/10	01:07	
69051-1	Ba	11.22096	10.99571	11.44621	2.83892	ug/L	09/11/10	01:07	
69051-1	Be	-0.02338	-0.06587	0.01910	256.92468	ug/L	09/11/10	01:07	
69051-1	Ca	26424.00000	26392.87890	26455.12304	0.16656	ug/L	09/11/10	01:07	
69051-1	Cd	-0.20233	-0.48809	0.08341	199.72282	ug/L	09/11/10	01:07	
69051-1	Co	-0.47790	-0.53769	-0.41811	17.69254	ug/L	09/11/10	01:07	
69051-1	Cr	1.37943	1.56471	1.19415	18.99472	ug/L	09/11/10	01:07	
69051-1	Cu	0.17876	0.23411	0.12342	43.78292	ug/L	09/11/10	01:07	
69051-1	Fe	122.06207	106.86646	137.25769	17.60566	ug/L	09/11/10	01:07	
69051-1	2Fe	0.12204	0.10685	0.13724	17.60595	mg/L	09/11/10	01:07	
69051-1	K	129.42462	93.62640	165.22285	39.11646	ug/L	09/11/10	01:07	
69051-1	Mg	498.54010	499.36303	497.71716	0.23344	ug/L	09/11/10	01:07	
69051-1	2Mg	0.49837	0.49920	0.49755	0.23420	mg/L	09/11/10	01:07	
69051-1	Mn	0.98829	0.96709	1.00948	3.03320	ug/L	09/11/10	01:07	
69051-1	Mo	-2.08480	-2.40588	-1.76373	21.77960	ug/L	09/11/10	01:07	
69051-1	Na	195848.57812	195602.35937	196094.79687	0.17779	ug/L	09/11/10	01:07	
69051-1	Ni	-1.16517	-2.06031	-0.27003	108.64648	ug/L	09/11/10	01:07	
69051-1	Pb	3.50388	5.23096	1.77679	69.70744	ug/L	09/11/10	01:07	
69051-1	Se	-1.86162	-4.88179	1.15853	229.43130	ug/L	09/11/10	01:07	
69051-1	Sb	-5.88265	-10.72348	-1.04181	116.37564	ug/L	09/11/10	01:07	
69051-1	Sn	-1.42368	-6.20517	3.35780	474.96777	ug/L	09/11/10	01:07	
69051-1	Sr	36.88869	36.86139	36.91599	0.10466	ug/L	09/11/10	01:07	
69051-1	Ti	6.74136	6.97509	6.50764	4.90312	ug/L	09/11/10	01:07	
69051-1	Tl	-7.83333	-10.29624	-5.37041	44.46498	ug/L	09/11/10	01:07	
69051-1	V	-0.09896	-2.15143	1.95349	2932.82519	ug/L	09/11/10	01:07	
69051-1	Zn	4.67068	4.73121	4.61015	1.83276	ug/L	09/11/10	01:07	
69051-1	2203/1	-3.01370	-10.68480	4.65740	359.97543	ug/L	09/11/10	01:07	
69051-1	2203/2	6.75778	13.17692	0.33865	134.33430	ug/L	09/11/10	01:07	
69051-1	1960/1	-9.11444	-19.58202	1.35312	162.41668	ug/L	09/11/10	01:07	
69051-1	1960/2	1.75934	2.45729	1.06138	56.10374	ug/L	09/11/10	01:07	
69051-1	Y	998.78906	1000.34082	997.23730	0.21971		09/11/10	01:07	
CCV	Ag	499.58416	501.58941	497.57891	0.56764	ug/L	09/11/10	01:13	
CCV	Al	5064.04199	5084.57617	5043.50781	0.57344	ug/L	09/11/10	01:13	
CCV	2Al	5.06404	5.08448	5.04360	0.57084	mg/L	09/11/10	01:13	
CCV	As	498.67230	499.10565	498.23892	0.12290	ug/L	09/11/10	01:13	
CCV	B	4943.65722	4947.01416	4940.30029	0.09603	ug/L	09/11/10	01:13	
CCV	Ba	5079.89746	5090.29589	5069.49902	0.28948	ug/L	09/11/10	01:13	
CCV	Be	491.86590	492.36782	491.36398	0.14431	ug/L	09/11/10	01:13	
CCV	Ca	4952.59619	4960.31347	4944.87890	0.22036	ug/L	09/11/10	01:13	
CCV	Cd	486.53222	489.10995	483.95452	0.74926	ug/L	09/11/10	01:13	
CCV	Co	496.69296	497.31524	496.07067	0.17718	ug/L	09/11/10	01:13	
CCV	Cr	4938.84570	4949.28613	4928.40478	0.29896	ug/L	09/11/10	01:13	
CCV	Cu	5042.79980	5054.68261	5030.91748	0.33323	ug/L	09/11/10	01:13	
CCV	Fe	4964.60449	4970.50927	4958.69970	0.16820	ug/L	09/11/10	01:13	
CCV	2Fe	4.96461	4.97051	4.95870	0.16820	mg/L	09/11/10	01:13	
CCV	K	10132.48730	10162.38085	10102.59375	0.41723	ug/L	09/11/10	01:13	
CCV	Mg	4987.16796	5000.96044	4973.37548	0.39111	ug/L	09/11/10	01:13	
CCV	2Mg	4.98717	5.00096	4.97338	0.39110	mg/L	09/11/10	01:13	
CCV	Mn	4992.70117	5003.13525	4982.26660	0.29555	ug/L	09/11/10	01:13	
CCV	Mo	490.84869	492.09136	489.60601	0.35803	ug/L	09/11/10	01:13	
CCV	Na	7496.21875	7507.65283	7484.78515	0.21570	ug/L	09/11/10	01:13	
CCV	Ni	2488.85351	2496.73852	2480.96826	0.44804	ug/L	09/11/10	01:13	
CCV	Pb	499.88491	500.46655	499.30328	0.16454	ug/L	09/11/10	01:13	
CCV	Se	4964.49121	4968.12011	4960.86279	0.10336	ug/L	09/11/10	01:13	
CCV	Sb	503.21566	501.98580	504.44552	0.34563	ug/L	09/11/10	01:13	
CCV	Sn	4939.79980	4948.41601	4931.18310	0.24668	ug/L	09/11/10	01:13	
CCV	Sr	2521.08154	2529.61865	2512.54418	0.47890	ug/L	09/11/10	01:13	
CCV	Ti	500.48443	501.03735	499.93154	0.15623	ug/L	09/11/10	01:13	
CCV	Tl	4934.42480	4950.80908	4918.04101	0.46956	ug/L	09/11/10	01:13	
CCV	V	5020.56640	5030.85888	5010.27441	0.28991	ug/L	09/11/10	01:13	
CCV	Zn	2476.73120	2481.14208	2472.32031	0.25186	ug/L	09/11/10	01:13	
CCV	2203/1	506.53820	509.49096	503.58541	0.82439	ug/L	09/11/10	01:13	
CCV	2203/2	496.55877	495.95660	497.16094	0.17150	ug/L	09/11/10	01:13	
CCV	1960/1	5044.91308	5058.59912	5031.22753	0.38364	ug/L	09/11/10	01:13	
CCV	1960/2	4924.34082	4922.94873	4925.73291	0.03997	ug/L	09/11/10	01:13	
CCV	Y	1006.15295	1003.68658	1008.61932	0.34666		09/11/10	01:13	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.63905	-0.83352	-0.44458	43.03542	ug/L	09/11/10	01:18	
CCB	Al	-10.54740	-8.77681	-12.31799	23.74031	ug/L	09/11/10	01:18	
CCB	2Al	-0.01054	-0.00877	-0.01231	23.74052	mg/L	09/11/10	01:18	
CCB	As	1.33748	1.16021	1.51475	18.74375	ug/L	09/11/10	01:18	
CCB	B	-15.70837	-15.16837	-16.24837	4.86157	ug/L	09/11/10	01:18	
CCB	Ba	1.20164	0.13003	2.27325	126.11754	ug/L	09/11/10	01:18	
CCB	Be	0.12605	0.01788	0.23423	121.35425	ug/L	09/11/10	01:18	
CCB	Ca	7.86221	6.00102	9.72340	33.47809	ug/L	09/11/10	01:18	
CCB	Cd	-0.01613	-0.03215	-0.00010	140.45916	ug/L	09/11/10	01:18	
CCB	Co	-0.16941	0.26884	-0.60767	365.83645	ug/L	09/11/10	01:18	
CCB	Cr	0.92436	-0.32445	2.17319	191.05989	ug/L	09/11/10	01:18	
CCB	Cu	1.54522	0.30013	2.79032	113.95276	ug/L	09/11/10	01:18	
CCB	Fe	6.22750	15.87339	-3.41838	219.05006	ug/L	09/11/10	01:18	
CCB	2Fe	0.00622	0.01587	-0.00341	219.05056	mg/L	09/11/10	01:18	
CCB	K	-5.92519	4.63542	-16.48581	252.05882	ug/L	09/11/10	01:18	
CCB	Mg	1.61324	1.60702	1.61945	0.54465	ug/L	09/11/10	01:18	
CCB	2Mg	0.00161	0.00160	0.00162	0.73575	mg/L	09/11/10	01:18	
CCB	Mn	1.09850	0.05005	2.14696	134.97677	ug/L	09/11/10	01:18	
CCB	Mo	-1.11833	0.29203	-2.52871	178.35102	ug/L	09/11/10	01:18	
CCB	Na	129.28614	154.63865	103.93363	27.73217	ug/L	09/11/10	01:18	
CCB	Ni	-0.22562	-0.40919	-0.04205	115.06152	ug/L	09/11/10	01:18	
CCB	Pb	-0.98042	-0.15256	-1.80828	119.41526	ug/L	09/11/10	01:18	
CCB	Se	1.53971	-0.42095	3.50037	180.08573	ug/L	09/11/10	01:18	
CCB	Sb	-1.09530	0.09685	-2.28746	153.92692	ug/L	09/11/10	01:18	
CCB	Sn	1.73836	2.30191	1.17481	45.84648	ug/L	09/11/10	01:18	
CCB	Sr	0.54623	0.02142	1.07105	135.87429	ug/L	09/11/10	01:18	
CCB	Ti	0.20213	0.03514	0.36912	116.83023	ug/L	09/11/10	01:18	
CCB	Tl	2.88961	4.15697	1.62226	62.02592	ug/L	09/11/10	01:18	
CCB	V	0.53791	-0.81168	1.88752	354.81890	ug/L	09/11/10	01:18	
CCB	Zn	0.55794	0.16047	0.95541	100.74586	ug/L	09/11/10	01:18	
CCB	2203/1	-1.88009	-2.00774	-1.75245	9.60143	ug/L	09/11/10	01:18	
CCB	2203/2	-0.53125	0.77364	-1.83615	347.36566	ug/L	09/11/10	01:18	
CCB	1960/1	4.13101	3.29756	4.96447	28.53258	ug/L	09/11/10	01:18	
CCB	1960/2	0.24600	-2.27742	2.76943	1450.66149	ug/L	09/11/10	01:18	
CCB	Y	1015.31872	1008.30664	1022.33087	0.97670		09/11/10	01:18	
60951-1L	Ag	-0.32129	-0.19800	-0.44458	54.26842	ug/L	09/11/10	01:23	
60951-1L	Al	56.35112	57.46659	55.23566	2.79941	ug/L	09/11/10	01:23	
60951-1L	2Al	0.05635	0.05746	0.05523	2.79940	mg/L	09/11/10	01:23	
60951-1L	As	2.11755	4.57184	-0.33673	163.91040	ug/L	09/11/10	01:23	
60951-1L	B	-15.64819	-16.19527	-15.10112	4.94419	ug/L	09/11/10	01:23	
60951-1L	Ba	2.36473	2.26494	2.46451	5.96780	ug/L	09/11/10	01:23	
60951-1L	Be	0.01873	0.00928	0.02819	71.37054	ug/L	09/11/10	01:23	
60951-1L	Ca	5458.40771	5473.10742	5443.70800	0.38085	ug/L	09/11/10	01:23	
60951-1L	Cd	-0.02983	-0.19153	0.13185	766.36486	ug/L	09/11/10	01:23	
60951-1L	Co	0.19510	0.80178	-0.41157	439.75228	ug/L	09/11/10	01:23	
60951-1L	Cr	0.24888	0.52484	-0.02707	156.80535	ug/L	09/11/10	01:23	
60951-1L	Cu	0.00731	0.18820	-0.17357	3497.03979	ug/L	09/11/10	01:23	
60951-1L	Fe	38.61068	31.17777	46.04359	27.22489	ug/L	09/11/10	01:23	
60951-1L	2Fe	0.03860	0.03117	0.04603	27.22430	mg/L	09/11/10	01:23	
60951-1L	K	33.07473	24.82656	41.32291	35.26763	ug/L	09/11/10	01:23	
60951-1L	Mg	104.09127	107.57110	100.61145	4.72778	ug/L	09/11/10	01:23	
60951-1L	2Mg	0.10405	0.10753	0.10057	4.72985	mg/L	09/11/10	01:23	
60951-1L	Mn	0.06680	0.06785	0.06574	2.23879	ug/L	09/11/10	01:23	
60951-1L	Mo	-2.62157	-1.83605	-3.40709	42.37488	ug/L	09/11/10	01:23	
60951-1L	Na	36699.88281	36870.20312	36529.56250	0.65632	ug/L	09/11/10	01:23	
60951-1L	Ni	0.04737	0.14167	-0.04692	281.49041	ug/L	09/11/10	01:23	
60951-1L	Pb	-0.18273	-0.77289	0.40742	456.73815	ug/L	09/11/10	01:23	
60951-1L	Se	0.69485	-2.86186	4.25158	723.88378	ug/L	09/11/10	01:23	
60951-1L	Sb	2.72677	0.65078	4.80277	107.66933	ug/L	09/11/10	01:23	
60951-1L	Sn	3.58478	4.06006	3.10950	18.74996	ug/L	09/11/10	01:23	
60951-1L	Sr	7.55561	7.56750	7.54373	0.22244	ug/L	09/11/10	01:23	
60951-1L	Ti	1.37220	1.33284	1.41156	4.05649	ug/L	09/11/10	01:23	
60951-1L	Tl	-2.53389	-1.54955	-3.51822	54.93753	ug/L	09/11/10	01:23	
60951-1L	V	0.29297	-0.17054	0.75649	223.74708	ug/L	09/11/10	01:23	
60951-1L	Zn	0.54479	0.71877	0.37081	45.16326	ug/L	09/11/10	01:23	
60951-1L	2203/1	1.56430	-0.81310	3.94170	214.93043	ug/L	09/11/10	01:23	
60951-1L	2203/2	-1.05494	-0.75282	-1.35706	40.50096	ug/L	09/11/10	01:23	
60951-1L	1960/1	1.56789	-1.18355	4.31935	248.17602	ug/L	09/11/10	01:23	
60951-1L	1960/2	0.25899	-3.69976	4.21775	2161.64746	ug/L	09/11/10	01:23	
60951-1L	Y	996.71356	994.00097	999.42614	0.38488		09/11/10	01:23	

0091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60951-1A	Ag	44.38983	44.11938	44.66027	0.86160	ug/L	09/11/10	01:29	
60951-1A	Al	2442.00439	2438.26391	2445.74487	0.21661	ug/L	09/11/10	01:29	
60951-1A	2Al	2.44206	2.43832	2.44580	0.21661	mg/L	09/11/10	01:29	
60951-1A	As	2113.24291	2114.29443	2112.19140	0.07036	ug/L	09/11/10	01:29	
60951-1A	B	874.39282	873.24456	875.54113	0.18571	ug/L	09/11/10	01:29	
60951-1A	Ba	2133.31665	2130.55200	2136.08129	0.18327	ug/L	09/11/10	01:29	
60951-1A	Be	52.39405	52.28268	52.50541	0.30058	ug/L	09/11/10	01:29	
60951-1A	Ca	31321.90625	31244.08203	31399.72851	0.35137	ug/L	09/11/10	01:29	
60951-1A	Cd	52.22029	52.07619	52.36438	0.39023	ug/L	09/11/10	01:29	
60951-1A	Co	528.76220	527.87042	529.65399	0.23851	ug/L	09/11/10	01:29	
60951-1A	Cr	212.09190	211.60192	212.58187	0.32671	ug/L	09/11/10	01:29	
60951-1A	Cu	269.34848	268.70516	269.99179	0.33777	ug/L	09/11/10	01:29	
60951-1A	Fe	1204.81433	1206.84692	1202.78173	0.23858	ug/L	09/11/10	01:29	
60951-1A	2Fe	1.20488	1.20691	1.20285	0.23850	mg/L	09/11/10	01:29	
60951-1A	K	5492.06054	5493.48974	5490.63134	0.03680	ug/L	09/11/10	01:29	
60951-1A	Mg	4843.11132	4834.99169	4851.23095	0.23709	ug/L	09/11/10	01:29	
60951-1A	2Mg	4.84177	4.83365	4.84989	0.23711	mg/L	09/11/10	01:29	
60951-1A	Mn	528.38562	527.58709	529.18408	0.21371	ug/L	09/11/10	01:29	
60951-1A	Mo	426.02941	426.85354	425.20532	0.27356	ug/L	09/11/10	01:29	
60951-1A	Na	203938.03125	203483.54687	204392.50000	0.31515	ug/L	09/11/10	01:29	
60951-1A	Ni	526.61181	525.92919	527.29443	0.18331	ug/L	09/11/10	01:29	
60951-1A	Pb	526.68792	525.45440	527.92144	0.33121	ug/L	09/11/10	01:29	
60951-1A	Se	2099.09863	2093.47729	2104.71972	0.37871	ug/L	09/11/10	01:29	
60951-1A	Sb	522.79370	522.22692	523.36041	0.15330	ug/L	09/11/10	01:29	
60951-1A	Sn	885.46313	884.78015	886.14611	0.10908	ug/L	09/11/10	01:29	
60951-1A	Sr	479.82223	480.08923	479.55523	0.07869	ug/L	09/11/10	01:29	
60951-1A	Ti	879.23315	877.56695	880.89941	0.26800	ug/L	09/11/10	01:29	
60951-1A	Tl	2146.08789	2148.49218	2143.68383	0.15842	ug/L	09/11/10	01:29	
60951-1A	V	531.74359	531.59320	531.89398	0.03999	ug/L	09/11/10	01:29	
60951-1A	Zn	541.39465	540.39770	542.39154	0.26041	ug/L	09/11/10	01:29	
60951-1A	2203/1	533.94689	533.22937	534.66442	0.19004	ug/L	09/11/10	01:29	
60951-1A	2203/2	523.06384	521.57275	524.55499	0.40315	ug/L	09/11/10	01:29	
60951-1A	1960/1	2127.04736	2125.52001	2128.57470	0.10154	ug/L	09/11/10	01:29	
60951-1A	1960/2	2085.14453	2077.47949	2092.80932	0.51985	ug/L	09/11/10	01:29	
60951-1A	Y	956.72418	960.30841	953.13995	0.52981		09/11/10	01:29	
60951-1S	Ag	52.09193	51.06156	53.12230	2.79729	ug/L	09/11/10	01:34	
60951-1S	Al	2522.83642	2524.93066	2520.74194	0.11740	ug/L	09/11/10	01:34	
60951-1S	2Al	2.52280	2.52499	2.52061	0.12281	mg/L	09/11/10	01:34	
60951-1S	As	2095.15478	2088.45971	2101.84960	0.45190	ug/L	09/11/10	01:34	
60951-1S	B	1066.51220	1063.96020	1069.06408	0.33839	ug/L	09/11/10	01:34	
60951-1S	Ba	2128.57910	2128.25732	2128.90112	0.02138	ug/L	09/11/10	01:34	
60951-1S	Be	52.02821	52.00817	52.04825	0.05446	ug/L	09/11/10	01:34	
60951-1S	Ca	31558.80273	31523.11328	31594.49218	0.15993	ug/L	09/11/10	01:34	
60951-1S	Cd	51.94863	51.59716	52.30010	0.95682	ug/L	09/11/10	01:34	
60951-1S	Co	524.96520	524.93725	524.99316	0.00753	ug/L	09/11/10	01:34	
60951-1S	Cr	209.95877	209.34721	210.57032	0.41192	ug/L	09/11/10	01:34	
60951-1S	Cu	269.16082	269.38516	268.93649	0.11786	ug/L	09/11/10	01:34	
60951-1S	Fe	1192.32080	1178.20703	1206.43457	1.67403	ug/L	09/11/10	01:34	
60951-1S	2Fe	1.19239	1.17827	1.20650	1.67373	mg/L	09/11/10	01:34	
60951-1S	K	6393.16601	6376.97265	6409.35888	0.35820	ug/L	09/11/10	01:34	
60951-1S	Mg	5596.60839	5586.12304	5607.09326	0.26494	ug/L	09/11/10	01:34	
60951-1S	2Mg	5.59505	5.58457	5.60553	0.26489	mg/L	09/11/10	01:34	
60951-1S	Mn	524.47741	523.96472	524.99017	0.13825	ug/L	09/11/10	01:34	
60951-1S	Mo	525.18408	523.24395	527.12426	0.52244	ug/L	09/11/10	01:34	
60951-1S	Na	201423.68750	201445.31250	201402.07812	0.01517	ug/L	09/11/10	01:34	
60951-1S	Ni	521.70849	519.89398	523.52294	0.49185	ug/L	09/11/10	01:34	
60951-1S	Pb	520.61511	517.90368	523.32647	0.73653	ug/L	09/11/10	01:34	
60951-1S	Se	2092.72705	2086.02465	2099.42968	0.45293	ug/L	09/11/10	01:34	
60951-1S	Sb	522.80627	520.21398	525.39855	0.70122	ug/L	09/11/10	01:34	
60951-1S	Sn	1039.64404	1035.06689	1044.22119	0.62262	ug/L	09/11/10	01:34	
60951-1S	Sr	564.32421	564.61376	564.03460	0.07256	ug/L	09/11/10	01:34	
60951-1S	Ti	736.90795	736.56420	737.25177	0.06597	ug/L	09/11/10	01:34	
60951-1S	Tl	2138.35693	2134.83959	2141.87402	0.23261	ug/L	09/11/10	01:34	
60951-1S	V	527.69262	526.35382	529.03143	0.35879	ug/L	09/11/10	01:34	
60951-1S	Zn	536.77673	535.85693	537.69659	0.24234	ug/L	09/11/10	01:34	
60951-1S	2203/1	525.34814	521.07659	529.61962	1.14987	ug/L	09/11/10	01:34	
60951-1S	2203/2	518.25207	516.31958	520.18463	0.52735	ug/L	09/11/10	01:34	
60951-1S	1960/1	2119.38183	2114.30175	2124.46215	0.33898	ug/L	09/11/10	01:34	
60951-1S	1960/2	2079.41894	2071.90649	2086.93164	0.51093	ug/L	09/11/10	01:34	
60951-1S	Y	968.48919	966.02282	970.95556	0.36014		09/11/10	01:34	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60951-1SD	Ag	51.81245	51.65942	51.96548	0.41769	ug/L	09/11/10	01:40	
60951-1SD	Al	2406.45166	2406.56420	2406.33886	0.00662	ug/L	09/11/10	01:40	
60951-1SD	2Al	2.40651	2.40662	2.40640	0.00662	mg/L	09/11/10	01:40	
60951-1SD	As	2078.86328	2081.55444	2076.17187	0.18308	ug/L	09/11/10	01:40	
60951-1SD	B	1049.47326	1050.89233	1048.05419	0.19122	ug/L	09/11/10	01:40	
60951-1SD	Ba	2100.29150	2100.71337	2099.86962	0.02840	ug/L	09/11/10	01:40	
60951-1SD	Be	51.56384	51.71200	51.41567	0.40635	ug/L	09/11/10	01:40	
60951-1SD	Ca	26917.93164	26941.00585	26894.85742	0.12122	ug/L	09/11/10	01:40	
60951-1SD	Cd	51.58615	51.68539	51.48690	0.27208	ug/L	09/11/10	01:40	
60951-1SD	Co	520.31359	520.20770	520.41943	0.02877	ug/L	09/11/10	01:40	
60951-1SD	Cr	207.86152	207.57662	208.14642	0.19383	ug/L	09/11/10	01:40	
60951-1SD	Cu	264.80227	264.96807	264.63647	0.08854	ug/L	09/11/10	01:40	
60951-1SD	Fe	1165.10327	1167.94665	1162.25976	0.34514	ug/L	09/11/10	01:40	
60951-1SD	2Fe	1.16517	1.16801	1.16233	0.34507	mg/L	09/11/10	01:40	
60951-1SD	K	6179.66894	6183.73291	6175.60498	0.09300	ug/L	09/11/10	01:40	
60951-1SD	Mg	5495.16357	5500.23144	5490.09570	0.13042	ug/L	09/11/10	01:40	
60951-1SD	2Mg	5.49364	5.49871	5.48857	0.13041	mg/L	09/11/10	01:40	
60951-1SD	Mn	519.11804	519.32879	518.90734	0.05740	ug/L	09/11/10	01:40	
60951-1SD	Mo	520.26550	522.04168	518.48925	0.48282	ug/L	09/11/10	01:40	
60951-1SD	Na	163818.00000	163871.40625	163764.59375	0.04610	ug/L	09/11/10	01:40	
60951-1SD	Ni	515.33447	515.49096	515.17803	0.04293	ug/L	09/11/10	01:40	
60951-1SD	Pb	519.20434	520.60009	517.80853	0.38018	ug/L	09/11/10	01:40	
60951-1SD	Se	2082.75219	2082.95288	2082.55151	0.01362	ug/L	09/11/10	01:40	
60951-1SD	Sb	518.62860	519.98754	517.26965	0.37056	ug/L	09/11/10	01:40	
60951-1SD	Sn	1035.60937	1033.70654	1037.51208	0.25983	ug/L	09/11/10	01:40	
60951-1SD	Sr	550.95312	551.02325	550.88305	0.01799	ug/L	09/11/10	01:40	
60951-1SD	Ti	727.89050	728.55249	727.22851	0.12861	ug/L	09/11/10	01:40	
60951-1SD	Tl	2126.66113	2126.89282	2126.42968	0.01539	ug/L	09/11/10	01:40	
60951-1SD	V	521.58154	521.50335	521.65972	0.02119	ug/L	09/11/10	01:40	
60951-1SD	Zn	533.83911	534.23529	533.44293	0.10495	ug/L	09/11/10	01:40	
60951-1SD	2203/1	526.67333	530.04010	523.30657	0.90403	ug/L	09/11/10	01:40	
60951-1SD	2203/2	515.47546	515.88720	515.06365	0.11297	ug/L	09/11/10	01:40	
60951-1SD	1960/1	2118.11523	2125.33642	2110.89428	0.48213	ug/L	09/11/10	01:40	
60951-1SD	1960/2	2065.09667	2061.79223	2068.40087	0.22628	ug/L	09/11/10	01:40	
60951-1SD	Y	986.38305	986.92633	985.83972	0.07789		09/11/10	01:40	
60920-1	Ag	1.04125	0.45375	1.62875	79.79312	ug/L	09/11/10	01:45	
60920-1	Al	-8.75383	-14.20890	-3.29877	88.12852	ug/L	09/11/10	01:45	
60920-1	2Al	-0.00875	-0.01420	-0.00329	88.12867	mg/L	09/11/10	01:45	
60920-1	As	1.47404	-0.85541	3.80351	223.49069	ug/L	09/11/10	01:45	
60920-1	B	333.47015	333.12380	333.81646	0.14687	ug/L	09/11/10	01:45	
60920-1	Ba	52.57144	52.68406	52.45882	0.30296	ug/L	09/11/10	01:45	
60920-1	Be	0.01727	-0.01399	0.04854	256.02575	ug/L	09/11/10	01:45	
60920-1	Ca	46619.36328	46633.55078	46605.17578	0.04303	ug/L	09/11/10	01:45	
60920-1	Cd	20508.59765	20495.44531	20521.75000	0.09069	ug/L	09/11/10	01:45	
60920-1	Co	0.36347	-0.31860	1.04554	265.38330	ug/L	09/11/10	01:45	
60920-1	Cr	-1.57300	-2.27816	-0.86783	63.39805	ug/L	09/11/10	01:45	
60920-1	Cu	5.41044	4.43410	6.38678	25.52013	ug/L	09/11/10	01:45	
60920-1	Fe	-2.42139	-16.33220	11.48942	812.46063	ug/L	09/11/10	01:45	
60920-1	2Fe	-0.00242	-0.01633	0.01148	812.45788	mg/L	09/11/10	01:45	
60920-1	K	51216.21875	51300.11328	51132.32812	0.23164	ug/L	09/11/10	01:45	
60920-1	Mg	15724.72265	15715.25097	15734.19335	0.08517	ug/L	09/11/10	01:45	
60920-1	2Mg	15.72123	15.71176	15.73069	0.08514	mg/L	09/11/10	01:45	
60920-1	Mn	2071.24121	2073.46606	2069.01660	0.15190	ug/L	09/11/10	01:45	
60920-1	Mo	-1.66515	-3.22023	-0.11007	132.07234	ug/L	09/11/10	01:45	
60920-1	Na	221788.28125	222549.17187	221027.39062	0.48517	ug/L	09/11/10	01:45	
60920-1	Ni	7.77857	7.21557	8.34156	10.23574	ug/L	09/11/10	01:45	
60920-1	Pb	4299.10644	4302.36279	4295.85009	0.10711	ug/L	09/11/10	01:45	
60920-1	Se	-0.86652	-0.24783	-1.48521	100.97361	ug/L	09/11/10	01:45	
60920-1	Sb	-0.39485	-2.87540	2.08569	888.42724	ug/L	09/11/10	01:45	
60920-1	Sn	-1.15144	-3.16104	0.85815	246.82029	ug/L	09/11/10	01:45	
60920-1	Sr	62.00933	62.21755	61.80112	0.47485	ug/L	09/11/10	01:45	
60920-1	Ti	-0.10092	-0.32971	0.12786	320.59283	ug/L	09/11/10	01:45	
60920-1	Tl	6.30503	4.43190	8.17815	42.01403	ug/L	09/11/10	01:45	
60920-1	V	-1.72300	-1.90900	-1.53700	15.26666	ug/L	09/11/10	01:45	
60920-1	Zn	39615.63281	39624.12890	39607.13281	0.03033	ug/L	09/11/10	01:45	
60920-1	2203/1	4324.37792	4318.99365	4329.76220	0.17608	ug/L	09/11/10	01:45	
60920-1	2203/2	4286.48925	4294.05957	4278.91943	0.24975	ug/L	09/11/10	01:45	
60920-1	1960/1	-2.24670	-6.99470	2.50129	298.86776	ug/L	09/11/10	01:45	
60920-1	1960/2	-0.17746	3.12054	-3.47548	2628.12963	ug/L	09/11/10	01:45	
60920-1	Y	987.62597	982.22808	993.02380	0.77293		09/11/10	01:45	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
37043-2	Ag	-0.54636	-0.19619	-0.89653	90.63892	ug/L	09/11/10	01:50	
37043-2	Al	93.72593	96.76335	90.68852	4.58309	ug/L	09/11/10	01:50	
37043-2	2Al	0.09372	0.09676	0.09069	4.58310	mg/L	09/11/10	01:50	
37043-2	As	-4.22773	-7.45546	-1.00001	107.97003	ug/L	09/11/10	01:50	
37043-2	B	175.44625	175.38548	175.50704	0.04899	ug/L	09/11/10	01:50	
37043-2	Ba	8.70572	8.67491	8.73653	0.50051	ug/L	09/11/10	01:50	
37043-2	Be	0.01762	0.02889	0.00634	90.49231	ug/L	09/11/10	01:50	
37043-2	Ca	2322.23608	2317.33789	2327.13427	0.29829	ug/L	09/11/10	01:50	
37043-2	Cd	15.98485	16.01408	15.95561	0.25865	ug/L	09/11/10	01:50	
37043-2	Co	-0.16022	-0.48502	0.16458	286.69631	ug/L	09/11/10	01:50	
37043-2	Cr	2.14295	2.10614	2.17975	2.42883	ug/L	09/11/10	01:50	
37043-2	Cu	2.67160	2.99835	2.34486	17.29640	ug/L	09/11/10	01:50	
37043-2	Fe	252.51635	251.72973	253.30296	0.44054	ug/L	09/11/10	01:50	
37043-2	2Fe	0.25248	0.25169	0.25327	0.44064	mg/L	09/11/10	01:50	
37043-2	K	1081.31909	1080.97924	1081.65881	0.04443	ug/L	09/11/10	01:50	
37043-2	Mg	720.36682	723.00390	717.72973	0.51770	ug/L	09/11/10	01:50	
37043-2	2Mg	0.72012	0.72275	0.71748	0.51776	mg/L	09/11/10	01:50	
37043-2	Mn	7.45124	7.44116	7.46131	0.19125	ug/L	09/11/10	01:50	
37043-2	Mo	-3.08065	-2.19954	-3.96176	40.44836	ug/L	09/11/10	01:50	
37043-2	Na	203108.90625	202126.79687	204091.00000	0.68382	ug/L	09/11/10	01:50	
37043-2	Ni	1.82294	2.13112	1.51475	23.90861	ug/L	09/11/10	01:50	
37043-2	Pb	58.46775	57.65252	59.28297	1.97186	ug/L	09/11/10	01:50	
37043-2	Se	-3.14313	-3.62891	-2.65734	21.85731	ug/L	09/11/10	01:50	
37043-2	Sb	6.11744	7.57101	4.66388	33.60303	ug/L	09/11/10	01:50	
37043-2	Sn	3.90172	2.32296	5.48047	57.22335	ug/L	09/11/10	01:50	
37043-2	Sr	12.81267	12.80448	12.82086	0.09042	ug/L	09/11/10	01:50	
37043-2	Ti	85.91387	83.89975	87.92799	3.31540	ug/L	09/11/10	01:50	
37043-2	Tl	-1.60483	-4.79130	1.58162	280.79763	ug/L	09/11/10	01:50	
37043-2	V	-0.07255	-0.78803	0.64293	1394.68200	ug/L	09/11/10	01:50	
37043-2	Zn	135.68217	135.64389	135.72045	0.03990	ug/L	09/11/10	01:50	
37043-2	2203/1	57.49073	58.99946	55.98200	3.71131	ug/L	09/11/10	01:50	
37043-2	2203/2	58.95552	56.98006	60.93098	4.73869	ug/L	09/11/10	01:50	
37043-2	1960/1	-6.46049	-6.66343	-6.25756	4.44222	ug/L	09/11/10	01:50	
37043-2	1960/2	-1.48693	-2.11393	-0.85993	59.63352	ug/L	09/11/10	01:50	
37043-2	Y	981.47375	986.75433	976.19317	0.76088		09/11/10	01:50	
37045-1	Ag	-0.01877	0.15339	-0.19094	1296.92565	ug/L	09/11/10	01:56	
37045-1	Al	-1.31166	-3.53545	0.91212	239.76574	ug/L	09/11/10	01:56	
37045-1	2Al	-0.00131	-0.00353	0.00091	239.76412	mg/L	09/11/10	01:56	
37045-1	As	-0.85909	-1.31768	-0.40050	75.49121	ug/L	09/11/10	01:56	
37045-1	B	44.28707	43.67233	44.90180	1.96303	ug/L	09/11/10	01:56	
37045-1	Ba	29.72152	29.70212	29.74093	0.09233	ug/L	09/11/10	01:56	
37045-1	Be	0.03807	0.05124	0.02490	48.91770	ug/L	09/11/10	01:56	
37045-1	Ca	7688.79980	7648.91015	7728.68945	0.73369	ug/L	09/11/10	01:56	
37045-1	Cd	0.21002	0.41788	0.00216	139.96037	ug/L	09/11/10	01:56	
37045-1	Co	0.78837	0.19218	1.38456	106.94628	ug/L	09/11/10	01:56	
37045-1	Cr	2.22977	1.81662	2.64292	26.20371	ug/L	09/11/10	01:56	
37045-1	Cu	0.31342	0.10670	0.52014	93.27445	ug/L	09/11/10	01:56	
37045-1	Fe	6.49447	11.74533	1.24362	114.34070	ug/L	09/11/10	01:56	
37045-1	2Fe	0.00649	0.01174	0.00124	114.33083	mg/L	09/11/10	01:56	
37045-1	K	2801.57055	2795.52270	2807.61840	0.30529	ug/L	09/11/10	01:56	
37045-1	Mg	5687.90283	5653.64404	5722.16162	0.85179	ug/L	09/11/10	01:56	
37045-1	2Mg	5.68630	5.65205	5.72055	0.85181	mg/L	09/11/10	01:56	
37045-1	Mn	15.71544	15.61098	15.81989	0.93999	ug/L	09/11/10	01:56	
37045-1	Mo	-1.47724	-1.11226	-1.84222	34.94079	ug/L	09/11/10	01:56	
37045-1	Na	200247.17187	199122.79687	201371.54687	0.79407	ug/L	09/11/10	01:56	
37045-1	Ni	1.59328	2.83111	0.35546	109.87026	ug/L	09/11/10	01:56	
37045-1	Pb	6.96801	6.09055	7.84547	17.80869	ug/L	09/11/10	01:56	
37045-1	Se	-2.10275	-3.59859	-0.60691	100.60323	ug/L	09/11/10	01:56	
37045-1	Sb	1.93218	3.01902	0.84534	79.54879	ug/L	09/11/10	01:56	
37045-1	Sn	0.50127	1.05132	-0.04877	155.18295	ug/L	09/11/10	01:56	
37045-1	Sr	33.79482	33.69088	33.89876	0.43497	ug/L	09/11/10	01:56	
37045-1	Ti	0.01385	0.04852	-0.02081	353.94180	ug/L	09/11/10	01:56	
37045-1	Tl	-0.96619	-3.47149	1.53911	366.70028	ug/L	09/11/10	01:56	
37045-1	V	0.91530	0.92677	0.90383	1.77242	ug/L	09/11/10	01:56	
37045-1	Zn	6.12225	6.34270	5.90181	5.09221	ug/L	09/11/10	01:56	
37045-1	2203/1	10.25984	9.75725	10.76243	6.92767	ug/L	09/11/10	01:56	
37045-1	2203/2	5.32457	4.25995	6.38918	28.27623	ug/L	09/11/10	01:56	
37045-1	1960/1	5.77021	5.58862	5.95180	4.45048	ug/L	09/11/10	01:56	
37045-1	1960/2	-6.03333	-8.18531	-3.88135	50.44244	ug/L	09/11/10	01:56	
37045-1	Y	975.04010	983.72119	966.35900	1.25911		09/11/10	01:56	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60872-1	Ag	-0.34322	-0.39413	-0.29230	20.97823	ug/L	09/11/10	02:01	
60872-1	Al	13.35061	11.12711	15.57410	23.55319	ug/L	09/11/10	02:01	
60872-1	2Al	0.01335	0.01112	0.01557	23.55323	mg/L	09/11/10	02:01	
60872-1	As	0.94245	-0.72615	2.61106	250.38581	ug/L	09/11/10	02:01	
60872-1	B	43.85620	43.57733	44.13508	0.89928	ug/L	09/11/10	02:01	
60872-1	Ba	3.84995	3.88961	3.81029	1.45684	ug/L	09/11/10	02:01	
60872-1	Be	-0.01024	-0.00430	-0.01618	81.97574	ug/L	09/11/10	02:01	
60872-1	Ca	1005.20837	1007.29937	1003.11743	0.29417	ug/L	09/11/10	02:01	
60872-1	Cd	0.11914	0.07302	0.16525	54.73604	ug/L	09/11/10	02:01	
60872-1	Co	4.83480	5.00015	4.66945	4.83652	ug/L	09/11/10	02:01	
60872-1	Cr	14.08512	13.97507	14.19516	1.10490	ug/L	09/11/10	02:01	
60872-1	Cu	4.61124	4.65938	4.56310	1.47636	ug/L	09/11/10	02:01	
60872-1	Fe	9082.31640	9095.50000	9069.13378	0.20527	ug/L	09/11/10	02:01	
60872-1	2Fe	9.08116	9.09434	9.06798	0.20527	mg/L	09/11/10	02:01	
60872-1	K	2318.89770	2316.87719	2320.91821	0.12322	ug/L	09/11/10	02:01	
60872-1	Mg	158.24734	159.43244	157.06222	1.05910	ug/L	09/11/10	02:01	
60872-1	2Mg	0.15671	0.15790	0.15553	1.06722	mg/L	09/11/10	02:01	
60872-1	Mn	244.52774	244.97332	244.08213	0.25770	ug/L	09/11/10	02:01	
60872-1	Mo	-0.18220	-0.37092	0.00650	146.47201	ug/L	09/11/10	02:01	
60872-1	Na	163572.14062	163397.14062	163747.14062	0.15130	ug/L	09/11/10	02:01	
60872-1	Ni	25.92042	25.51905	26.32180	2.18991	ug/L	09/11/10	02:01	
60872-1	Pb	5.28995	4.17921	6.40069	29.69454	ug/L	09/11/10	02:01	
60872-1	Se	-2.03232	-1.95158	-2.11305	5.61800	ug/L	09/11/10	02:01	
60872-1	Sb	-0.94373	-2.73872	0.85124	268.98220	ug/L	09/11/10	02:01	
60872-1	Sn	1.88011	1.38996	2.37027	36.86932	ug/L	09/11/10	02:01	
60872-1	Sr	5.21164	5.22021	5.20308	0.23242	ug/L	09/11/10	02:01	
60872-1	Ti	0.15565	0.14498	0.16633	9.70089	ug/L	09/11/10	02:01	
60872-1	Tl	-1.94767	-4.40984	0.51449	178.77890	ug/L	09/11/10	02:01	
60872-1	V	-0.53352	-0.32221	-0.74483	56.01126	ug/L	09/11/10	02:01	
60872-1	Zn	18.98408	18.99497	18.97320	0.08108	ug/L	09/11/10	02:01	
60872-1	2203/1	4.40368	3.71544	5.09192	22.10234	ug/L	09/11/10	02:01	
60872-1	2203/2	5.73242	4.41074	7.05410	32.60636	ug/L	09/11/10	02:01	
60872-1	1960/1	4.05842	5.30879	2.80806	43.57069	ug/L	09/11/10	02:01	
60872-1	1960/2	-5.07313	-5.57633	-4.56992	14.02759	ug/L	09/11/10	02:01	
60872-1	Y	968.72375	971.68255	965.76489	0.43195		09/11/10	02:01	
61051-1	Ag	-0.07730	-0.20046	0.04585	225.31915	ug/L	09/11/10	02:06	
61051-1	Al	-8.00765	-8.40932	-7.60597	7.09394	ug/L	09/11/10	02:06	
61051-1	2Al	-0.00800	-0.00840	-0.00760	7.09394	mg/L	09/11/10	02:06	
61051-1	As	0.33203	-0.80110	1.46518	482.62744	ug/L	09/11/10	02:06	
61051-1	B	-19.78879	-19.55831	-20.01927	1.64713	ug/L	09/11/10	02:06	
61051-1	Ba	0.42294	0.43272	0.41316	3.26950	ug/L	09/11/10	02:06	
61051-1	Be	0.01782	0.02305	0.01260	41.46238	ug/L	09/11/10	02:06	
61051-1	Ca	1213.39819	1211.13769	1215.65869	0.26346	ug/L	09/11/10	02:06	
61051-1	Cd	0.15506	0.21089	0.09923	50.91553	ug/L	09/11/10	02:06	
61051-1	Co	-0.60937	-0.81460	-0.40414	47.62894	ug/L	09/11/10	02:06	
61051-1	Cr	-0.27912	-0.65676	0.09850	191.33085	ug/L	09/11/10	02:06	
61051-1	Cu	1.41797	1.06559	1.77035	35.14433	ug/L	09/11/10	02:06	
61051-1	Fe	109.61935	112.25279	106.98590	3.39744	ug/L	09/11/10	02:06	
61051-1	2Fe	0.10960	0.11223	0.10697	3.39741	mg/L	09/11/10	02:06	
61051-1	K	292.20568	304.64566	279.76568	6.02069	ug/L	09/11/10	02:06	
61051-1	Mg	47.84583	46.14956	49.54210	5.01378	ug/L	09/11/10	02:06	
61051-1	2Mg	0.04781	0.04611	0.04951	5.01705	mg/L	09/11/10	02:06	
61051-1	Mn	2.79986	2.79284	2.80688	0.35464	ug/L	09/11/10	02:06	
61051-1	Mo	-1.79785	-2.18959	-1.40612	30.81422	ug/L	09/11/10	02:06	
61051-1	Na	1280.96093	1342.30310	1219.61877	6.77233	ug/L	09/11/10	02:06	
61051-1	Ni	-0.37056	-0.12100	-0.62013	95.24353	ug/L	09/11/10	02:06	
61051-1	Pb	2.81608	3.05351	2.57864	11.92399	ug/L	09/11/10	02:06	
61051-1	Se	-1.11437	-0.06733	-2.16141	132.87553	ug/L	09/11/10	02:06	
61051-1	Sb	1.22499	2.26007	0.18991	119.49686	ug/L	09/11/10	02:06	
61051-1	Sn	2.15785	1.76185	2.55386	25.95351	ug/L	09/11/10	02:06	
61051-1	Sr	6.98900	6.96092	7.01709	0.56829	ug/L	09/11/10	02:06	
61051-1	Ti	-0.08313	-0.12471	-0.04156	70.72102	ug/L	09/11/10	02:06	
61051-1	Tl	-3.94709	-3.67691	-4.21727	9.68030	ug/L	09/11/10	02:06	
61051-1	V	-0.00957	0.27123	-0.29037	4149.21630	ug/L	09/11/10	02:06	
61051-1	Zn	4.75546	4.64124	4.86969	3.39702	ug/L	09/11/10	02:06	
61051-1	2203/1	5.27144	7.72869	2.81418	65.92279	ug/L	09/11/10	02:06	
61051-1	2203/2	1.59024	0.71943	2.46104	77.44129	ug/L	09/11/10	02:06	
61051-1	1960/1	1.05887	-0.42216	2.53991	197.80497	ug/L	09/11/10	02:06	
61051-1	1960/2	-2.19937	0.10980	-4.50856	148.48199	ug/L	09/11/10	02:06	
61051-1	Y	1001.76745	1004.01495	999.51995	0.31728		09/11/10	02:06	

0091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	505.23870	506.13027	504.34713	0.24955	ug/L	09/11/10	02:12	
CCV	Al	5129.30224	5143.28466	5115.31982	0.38551	ug/L	09/11/10	02:12	
CCV	2Al	5.12901	5.14319	5.11484	0.39080	mg/L	09/11/10	02:12	
CCV	As	503.90454	504.22253	503.58654	0.08924	ug/L	09/11/10	02:12	
CCV	B	4985.36523	4993.24511	4977.48583	0.22352	ug/L	09/11/10	02:12	
CCV	Ba	5129.24609	5137.13818	5121.35400	0.21759	ug/L	09/11/10	02:12	
CCV	Be	494.91003	495.17892	494.64111	0.07684	ug/L	09/11/10	02:12	
CCV	Ca	4985.14160	4988.99707	4981.28613	0.10937	ug/L	09/11/10	02:12	
CCV	Cd	491.48269	493.36251	489.60287	0.54090	ug/L	09/11/10	02:12	
CCV	Co	499.79193	501.09735	498.48648	0.36938	ug/L	09/11/10	02:12	
CCV	Cr	4978.22753	4985.27246	4971.18261	0.20013	ug/L	09/11/10	02:12	
CCV	Cu	5097.79296	5103.34130	5092.24414	0.15392	ug/L	09/11/10	02:12	
CCV	Fe	5012.67187	5020.58886	5004.75439	0.22336	ug/L	09/11/10	02:12	
CCV	2Fe	5.01267	5.02059	5.00475	0.22337	mg/L	09/11/10	02:12	
CCV	K	10241.70312	10263.75097	10219.65527	0.30444	ug/L	09/11/10	02:12	
CCV	Mg	5001.08691	5011.41748	4990.75585	0.29213	ug/L	09/11/10	02:12	
CCV	2Mg	5.00109	5.01142	4.99076	0.29210	mg/L	09/11/10	02:12	
CCV	Mn	5029.84082	5036.76220	5022.91943	0.19460	ug/L	09/11/10	02:12	
CCV	Mo	493.41674	492.23544	494.59805	0.33858	ug/L	09/11/10	02:12	
CCV	Na	7634.52832	7696.79394	7572.26318	1.15339	ug/L	09/11/10	02:12	
CCV	Ni	2503.64355	2509.35668	2497.93041	0.32271	ug/L	09/11/10	02:12	
CCV	Pb	500.43603	500.04782	500.82427	0.10971	ug/L	09/11/10	02:12	
CCV	Se	4979.98242	4981.26806	4978.69677	0.03650	ug/L	09/11/10	02:12	
CCV	Sb	503.58178	506.15200	501.01153	0.72180	ug/L	09/11/10	02:12	
CCV	Sn	4964.12304	4974.21630	4954.03027	0.28753	ug/L	09/11/10	02:12	
CCV	Sr	2549.42822	2548.73510	2550.12133	0.03844	ug/L	09/11/10	02:12	
CCV	Ti	504.45849	505.13626	503.78073	0.19000	ug/L	09/11/10	02:12	
CCV	Tl	4979.68261	4989.50097	4969.86376	0.27884	ug/L	09/11/10	02:12	
CCV	V	5054.85546	5062.82128	5046.89013	0.22285	ug/L	09/11/10	02:12	
CCV	Zn	2475.25683	2479.75756	2470.75610	0.25714	ug/L	09/11/10	02:12	
CCV	2203/1	505.68011	505.94351	505.41674	0.07365	ug/L	09/11/10	02:12	
CCV	2203/2	497.81341	497.09988	498.52697	0.20270	ug/L	09/11/10	02:12	
CCV	1960/1	5034.66406	5018.91796	5050.41064	0.44230	ug/L	09/11/10	02:12	
CCV	1960/2	4952.68261	4962.47167	4942.89355	0.27952	ug/L	09/11/10	02:12	
CCV	Y	986.64880	988.78680	984.51074	0.30645		09/11/10	02:12	
CCB	Ag	-0.71473	-1.18137	-0.24809	92.33256	ug/L	09/11/10	02:17	
CCB	Al	-7.30171	-6.43241	-8.17102	16.83697	ug/L	09/11/10	02:17	
CCB	2Al	-0.00730	-0.00643	-0.00817	16.83731	mg/L	09/11/10	02:17	
CCB	As	-1.08976	-1.22748	-0.95204	17.87255	ug/L	09/11/10	02:17	
CCB	B	-15.81518	-15.41295	-16.21740	3.59675	ug/L	09/11/10	02:17	
CCB	Ba	0.59378	-0.21450	1.40207	192.51002	ug/L	09/11/10	02:17	
CCB	Be	0.09468	0.01167	0.17769	123.97743	ug/L	09/11/10	02:17	
CCB	Ca	4.27485	3.12786	5.42183	37.94473	ug/L	09/11/10	02:17	
CCB	Cd	-0.09646	-0.42623	0.23331	483.48318	ug/L	09/11/10	02:17	
CCB	Co	-0.50907	-0.61160	-0.40655	28.48128	ug/L	09/11/10	02:17	
CCB	Cr	0.35195	-0.40483	1.10873	304.09204	ug/L	09/11/10	02:17	
CCB	Cu	0.81370	-0.05685	1.68426	151.30300	ug/L	09/11/10	02:17	
CCB	Fe	-1.70434	-2.30158	-1.10709	49.55745	ug/L	09/11/10	02:17	
CCB	2Fe	-0.00170	-0.00230	-0.00110	49.56834	mg/L	09/11/10	02:17	
CCB	K	-17.84434	-33.60326	-2.08542	124.89380	ug/L	09/11/10	02:17	
CCB	Mg	1.60928	-1.59432	4.81289	281.52844	ug/L	09/11/10	02:17	
CCB	2Mg	0.00160	-0.00159	0.00481	281.43548	mg/L	09/11/10	02:17	
CCB	Mn	0.74062	0.04149	1.43975	133.49824	ug/L	09/11/10	02:17	
CCB	Mo	-2.26463	-2.04989	-2.47936	13.40980	ug/L	09/11/10	02:17	
CCB	Na	-69.70675	13.87588	-153.28939	169.57281	ug/L	09/11/10	02:17	
CCB	Ni	-0.04097	-0.81875	0.73680	2684.48168	ug/L	09/11/10	02:17	
CCB	Pb	-0.85986	0.14848	-1.86821	165.84242	ug/L	09/11/10	02:17	
CCB	Se	-0.98225	-0.22339	-1.74112	109.25839	ug/L	09/11/10	02:17	
CCB	Sb	1.19463	2.39345	-0.00417	141.91580	ug/L	09/11/10	02:17	
CCB	Sn	0.28927	-2.52410	3.10265	1375.41931	ug/L	09/11/10	02:17	
CCB	Sr	0.36835	-0.00099	0.73770	141.80383	ug/L	09/11/10	02:17	
CCB	Ti	0.00134	0.07560	-0.07290	7792.38769	ug/L	09/11/10	02:17	
CCB	Tl	1.53939	-3.73452	6.81331	484.50415	ug/L	09/11/10	02:17	
CCB	V	-0.16093	-1.80213	1.48025	1442.15368	ug/L	09/11/10	02:17	
CCB	Zn	-0.00290	-0.37949	0.37368	18317.62500	ug/L	09/11/10	02:17	
CCB	2203/1	-0.48044	0.07501	-1.03591	163.50352	ug/L	09/11/10	02:17	
CCB	2203/2	-1.04929	0.18516	-2.28374	166.37707	ug/L	09/11/10	02:17	
CCB	1960/1	4.97356	6.60597	3.34115	46.41688	ug/L	09/11/10	02:17	
CCB	1960/2	-3.95570	-3.63295	-4.27845	11.53869	ug/L	09/11/10	02:17	
CCB	Y	997.95263	997.99560	997.90960	0.00609		09/11/10	02:17	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 179614	Ag	-0.21871	0.44599	-0.88342	429.80136	ug/L	09/11/10	02:23	
PBW 179614	Al	-5.04145	-3.00799	-7.07491	57.04208	ug/L	09/11/10	02:23	
PBW 179614	2Al	-0.00504	-0.00300	-0.00707	57.04198	mg/L	09/11/10	02:23	
PBW 179614	As	-3.60338	-1.23664	-5.97013	92.88714	ug/L	09/11/10	02:23	
PBW 179614	B	-23.76781	-22.34897	-25.18665	8.44225	ug/L	09/11/10	02:23	
PBW 179614	Ba	-0.02335	0.02285	-0.06956	279.85644	ug/L	09/11/10	02:23	
PBW 179614	Be	0.00784	0.00745	0.00824	7.17509	ug/L	09/11/10	02:23	
PBW 179614	Ca	30.02299	30.02289	30.02310	0.00050	ug/L	09/11/10	02:23	
PBW 179614	Cd	-0.09202	-0.10839	-0.07565	25.15300	ug/L	09/11/10	02:23	
PBW 179614	Co	-0.72300	-0.37284	-1.07316	68.49269	ug/L	09/11/10	02:23	
PBW 179614	Cr	0.05579	-0.19072	0.30231	624.82592	ug/L	09/11/10	02:23	
PBW 179614	Cu	0.39700	0.74314	0.05086	123.30334	ug/L	09/11/10	02:23	
PBW 179614	Fe	32.30646	34.86099	29.75192	11.18246	ug/L	09/11/10	02:23	
PBW 179614	2Fe	0.03230	0.03485	0.02974	11.18322	mg/L	09/11/10	02:23	
PBW 179614	K	15.88533	24.48581	7.28485	76.56694	ug/L	09/11/10	02:23	
PBW 179614	Mg	6.39503	4.83149	7.95858	34.57659	ug/L	09/11/10	02:23	
PBW 179614	2Mg	0.00638	0.00482	0.00795	34.61722	mg/L	09/11/10	02:23	
PBW 179614	Mn	0.01639	0.01911	0.01367	23.42580	ug/L	09/11/10	02:23	
PBW 179614	Mo	-0.47441	-0.32293	-0.62589	45.15667	ug/L	09/11/10	02:23	
PBW 179614	Na	149.09300	207.32341	90.86260	55.23413	ug/L	09/11/10	02:23	
PBW 179614	Ni	-0.19949	-0.29888	-0.10009	70.46311	ug/L	09/11/10	02:23	
PBW 179614	Pb	0.29546	-1.25944	1.85037	744.24285	ug/L	09/11/10	02:23	
PBW 179614	Se	-0.96872	-0.98996	-0.94749	3.10021	ug/L	09/11/10	02:23	
PBW 179614	Sb	0.77750	0.03476	1.52023	135.09738	ug/L	09/11/10	02:23	
PBW 179614	Sn	13.84807	11.49248	16.20367	24.05611	ug/L	09/11/10	02:23	
PBW 179614	Sr	-0.04925	-0.02428	-0.07422	71.68550	ug/L	09/11/10	02:23	
PBW 179614	Ti	0.06621	0.20294	-0.07051	292.00869	ug/L	09/11/10	02:23	
PBW 179614	Tl	-3.08233	-2.79690	-3.36777	13.09602	ug/L	09/11/10	02:23	
PBW 179614	V	-0.54696	-0.18306	-0.91086	94.08924	ug/L	09/11/10	02:23	
PBW 179614	Zn	1.90732	1.82175	1.99289	6.34460	ug/L	09/11/10	02:23	
PBW 179614	2203/1	2.95804	1.69765	4.21843	60.25815	ug/L	09/11/10	02:23	
PBW 179614	2203/2	-1.03382	-2.73577	0.66812	232.81608	ug/L	09/11/10	02:23	
PBW 179614	1960/1	3.36782	3.14969	3.58595	9.15974	ug/L	09/11/10	02:23	
PBW 179614	1960/2	-3.13375	-3.05669	-3.21082	3.47775	ug/L	09/11/10	02:23	
PBW 179614	Y	998.06988	990.78808	1005.35168	1.03179		09/11/10	02:23	
LCSS-1	Ag	53.32385	53.34363	53.30407	0.05245	ug/L	09/11/10	02:28	
LCSS-1	Al	2145.45288	2145.24975	2145.65600	0.01338	ug/L	09/11/10	02:28	
LCSS-1	2Al	2.14531	2.14511	2.14552	0.01342	mg/L	09/11/10	02:28	
LCSS-1	As	2108.17578	2103.42431	2112.92700	0.31873	ug/L	09/11/10	02:28	
LCSS-1	B	1043.98144	1040.96691	1046.99609	0.40836	ug/L	09/11/10	02:28	
LCSS-1	Ba	2216.06738	2214.90649	2217.22851	0.07409	ug/L	09/11/10	02:28	
LCSS-1	Be	52.61663	52.53954	52.69371	0.20718	ug/L	09/11/10	02:28	
LCSS-1	Ca	5297.18994	5286.32617	5308.05371	0.29003	ug/L	09/11/10	02:28	
LCSS-1	Cd	52.53435	52.61094	52.45775	0.20618	ug/L	09/11/10	02:28	
LCSS-1	Co	536.35852	534.86199	537.85504	0.39458	ug/L	09/11/10	02:28	
LCSS-1	Cr	213.50672	212.99627	214.01718	0.33811	ug/L	09/11/10	02:28	
LCSS-1	Cu	270.61804	270.64569	270.59042	0.01444	ug/L	09/11/10	02:28	
LCSS-1	Fe	1106.96508	1104.87805	1109.05212	0.26663	ug/L	09/11/10	02:28	
LCSS-1	2Fe	1.10704	1.10496	1.10913	0.26664	mg/L	09/11/10	02:28	
LCSS-1	K	5322.43017	5313.72705	5331.13330	0.23124	ug/L	09/11/10	02:28	
LCSS-1	Mg	5317.68066	5310.87207	5324.48925	0.18107	ug/L	09/11/10	02:28	
LCSS-1	2Mg	5.31623	5.30942	5.32303	0.18107	mg/L	09/11/10	02:28	
LCSS-1	Mn	539.89099	538.74597	541.03607	0.29993	ug/L	09/11/10	02:28	
LCSS-1	Mo	530.75573	526.78955	534.72198	1.05680	ug/L	09/11/10	02:28	
LCSS-1	Na	5342.70214	5400.58886	5284.81494	1.53226	ug/L	09/11/10	02:28	
LCSS-1	Ni	534.96130	535.00659	534.91601	0.01197	ug/L	09/11/10	02:28	
LCSS-1	Pb	526.45349	529.79687	523.11010	0.89813	ug/L	09/11/10	02:28	
LCSS-1	Se	2103.66894	2108.85766	2098.48022	0.34881	ug/L	09/11/10	02:28	
LCSS-1	Sb	528.38323	532.22967	524.53680	1.02949	ug/L	09/11/10	02:28	
LCSS-1	Sn	1066.86987	1064.98815	1068.75146	0.24942	ug/L	09/11/10	02:28	
LCSS-1	Sr	552.40386	551.92407	552.88366	0.12283	ug/L	09/11/10	02:28	
LCSS-1	Ti	754.16833	753.16180	755.17480	0.18873	ug/L	09/11/10	02:28	
LCSS-1	Tl	2167.14648	2162.10180	2172.19116	0.32920	ug/L	09/11/10	02:28	
LCSS-1	V	531.97753	531.50756	532.44750	0.12493	ug/L	09/11/10	02:28	
LCSS-1	Zn	533.27758	531.80560	534.74963	0.39036	ug/L	09/11/10	02:28	
LCSS-1	2203/1	530.01843	534.10797	525.92883	1.09119	ug/L	09/11/10	02:28	
LCSS-1	2203/2	524.67370	527.64459	521.70288	0.80076	ug/L	09/11/10	02:28	
LCSS-1	1960/1	2126.49047	2131.85253	2121.12841	0.35660	ug/L	09/11/10	02:28	
LCSS-1	1960/2	2092.27490	2097.37695	2087.17260	0.34486	ug/L	09/11/10	02:28	
LCSS-1	Y	986.91845	984.27624	989.56072	0.37862		09/11/10	02:28	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61109-1	Ag	-0.58369	-0.05729	-1.11009	127.54039	ug/L	09/11/10	02:33	
61109-1	Al	40836.12500	40964.20312	40708.04296	0.44355	ug/L	09/11/10	02:33	
61109-1	2Al	40.83551	40.96220	40.70882	0.43875	mg/L	09/11/10	02:33	
61109-1	As	10.75441	11.31881	10.19000	7.42201	ug/L	09/11/10	02:33	
61109-1	B	-15.07996	-13.86832	-16.29160	11.36285	ug/L	09/11/10	02:33	
61109-1	Ba	141.37301	141.78697	140.95907	0.41408	ug/L	09/11/10	02:33	
61109-1	Be	3.31180	3.33262	3.29097	0.88913	ug/L	09/11/10	02:33	
61109-1	Ca	10286.87304	10334.70312	10239.04296	0.65755	ug/L	09/11/10	02:33	
61109-1	Cd	0.22427	0.21496	0.23358	5.87300	ug/L	09/11/10	02:33	
61109-1	Co	31.19766	31.88413	30.51119	3.11181	ug/L	09/11/10	02:33	
61109-1	Cr	66.91899	67.90491	65.93308	2.08355	ug/L	09/11/10	02:33	
61109-1	Cu	53.71546	54.78145	52.64947	2.80652	ug/L	09/11/10	02:33	
61109-1	Fe	68301.10937	68580.21093	68022.00781	0.57789	ug/L	09/11/10	02:33	
61109-1	2Fe	68.29019	68.56699	68.01340	0.57321	mg/L	09/11/10	02:33	
61109-1	K	3392.69409	3411.37280	3374.01538	0.77860	ug/L	09/11/10	02:33	
61109-1	Mg	17318.83593	17420.42187	17217.24804	0.82953	ug/L	09/11/10	02:33	
61109-1	2Mg	17.30239	17.40390	17.20088	0.82971	mg/L	09/11/10	02:33	
61109-1	Mn	1002.27886	1006.19506	998.36267	0.55257	ug/L	09/11/10	02:33	
61109-1	Mo	0.82657	0.91877	0.73436	15.77585	ug/L	09/11/10	02:33	
61109-1	Na	422.89422	521.02160	324.76687	32.81507	ug/L	09/11/10	02:33	
61109-1	Ni	49.64493	49.48003	49.80982	0.46973	ug/L	09/11/10	02:33	
61109-1	Pb	43.44506	45.94584	40.94429	8.14046	ug/L	09/11/10	02:33	
61109-1	Se	-1.78829	-5.09077	1.51419	261.16687	ug/L	09/11/10	02:33	
61109-1	Sb	0.31137	-0.13571	0.75846	203.05999	ug/L	09/11/10	02:33	
61109-1	Sn	16.39983	16.59850	16.20116	1.71316	ug/L	09/11/10	02:33	
61109-1	Sr	113.86425	114.15301	113.57550	0.35863	ug/L	09/11/10	02:33	
61109-1	Ti	3141.22045	3150.04443	3132.39648	0.39726	ug/L	09/11/10	02:33	
61109-1	Tl	1.47129	1.59865	1.34394	12.24160	ug/L	09/11/10	02:33	
61109-1	V	97.52284	98.48638	96.55928	1.39727	ug/L	09/11/10	02:33	
61109-1	Zn	260.98004	262.79772	259.16238	0.98497	ug/L	09/11/10	02:33	
61109-1	2203/1	46.64233	45.64344	47.64122	3.02867	ug/L	09/11/10	02:33	
61109-1	2203/2	41.84883	46.09681	37.60084	14.35538	ug/L	09/11/10	02:33	
61109-1	1960/1	-3.87697	-9.50866	1.75470	205.42822	ug/L	09/11/10	02:33	
61109-1	1960/2	-0.74551	-2.88514	1.39412	405.88165	ug/L	09/11/10	02:33	
61109-1	Y	1021.90087	1012.58270	1031.21911	1.28955		09/11/10	02:33	
61109-2	Ag	-0.42190	-0.72435	-0.11946	101.37895	ug/L	09/11/10	02:39	
61109-2	Al	57714.79296	57764.91796	57664.66796	0.12282	ug/L	09/11/10	02:39	
61109-2	2Al	57.71446	57.76387	57.66505	0.12107	mg/L	09/11/10	02:39	
61109-2	As	12.65167	12.91992	12.38342	2.99855	ug/L	09/11/10	02:39	
61109-2	B	-11.82241	-11.61186	-12.03296	2.51859	ug/L	09/11/10	02:39	
61109-2	Ba	148.45130	148.33364	148.56896	0.11208	ug/L	09/11/10	02:39	
61109-2	Be	3.19653	3.18664	3.20642	0.43759	ug/L	09/11/10	02:39	
61109-2	Ca	26186.11718	26200.73632	26171.49609	0.07895	ug/L	09/11/10	02:39	
61109-2	Cd	26.77640	26.21024	27.34256	2.99019	ug/L	09/11/10	02:39	
61109-2	Co	33.85012	34.04917	33.65107	0.83161	ug/L	09/11/10	02:39	
61109-2	Cr	122.62472	122.46855	122.78090	0.18011	ug/L	09/11/10	02:39	
61109-2	Cu	99.02616	98.82646	99.22585	0.28518	ug/L	09/11/10	02:39	
61109-2	Fe	108333.07812	108454.03125	108212.12500	0.15789	ug/L	09/11/10	02:39	
61109-2	2Fe	108.31610	108.43593	108.19625	0.15646	mg/L	09/11/10	02:39	
61109-2	K	3782.52685	3764.75415	3800.29956	0.66448	ug/L	09/11/10	02:39	
61109-2	Mg	25558.58007	25567.81835	25549.34179	0.05111	ug/L	09/11/10	02:39	
61109-2	2Mg	25.53302	25.54224	25.52381	0.05104	mg/L	09/11/10	02:39	
61109-2	Mn	1548.89013	1550.87548	1546.90478	0.18127	ug/L	09/11/10	02:39	
61109-2	Mo	2.88860	2.93135	2.84584	2.09313	ug/L	09/11/10	02:39	
61109-2	Na	313.54815	68.76393	558.33239	110.40637	ug/L	09/11/10	02:39	
61109-2	Ni	68.68383	68.91905	68.44863	0.48430	ug/L	09/11/10	02:39	
61109-2	Pb	116.74021	115.89850	117.58191	1.01965	ug/L	09/11/10	02:39	
61109-2	Se	-3.13216	-5.46323	-0.80110	105.25054	ug/L	09/11/10	02:39	
61109-2	Sb	-0.51498	-0.40150	-0.62846	31.16257	ug/L	09/11/10	02:39	
61109-2	Sn	17.11454	16.97785	17.25123	1.12949	ug/L	09/11/10	02:39	
61109-2	Sr	354.50964	354.76416	354.25512	0.10153	ug/L	09/11/10	02:39	
61109-2	Ti	3574.21044	3577.97949	3570.44116	0.14913	ug/L	09/11/10	02:39	
61109-2	Tl	1.87092	0.20584	3.53600	125.86198	ug/L	09/11/10	02:39	
61109-2	V	131.60673	131.22262	131.99084	0.41275	ug/L	09/11/10	02:39	
61109-2	Zn	1637.47167	1637.64636	1637.29711	0.01508	ug/L	09/11/10	02:39	
61109-2	2203/1	124.31733	123.96809	124.66657	0.39728	ug/L	09/11/10	02:39	
61109-2	2203/2	112.95733	111.86976	114.04489	1.36162	ug/L	09/11/10	02:39	
61109-2	1960/1	-2.88479	-6.31703	0.54744	168.25894	ug/L	09/11/10	02:39	
61109-2	1960/2	-3.25567	-5.03697	-1.47436	77.37707	ug/L	09/11/10	02:39	
61109-2	Y	1053.36157	1051.29394	1055.42932	0.27760		09/11/10	02:39	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61109-2L	Ag	-0.05389	0.19087	-0.29866	642.33422	ug/L	09/11/10	02:44	
61109-2L	Al	12105.98144	12201.63085	12010.33203	1.11737	ug/L	09/11/10	02:44	
61109-2L	2Al	12.10511	12.20066	12.00955	1.11635	mg/L	09/11/10	02:44	
61109-2L	As	3.02296	2.00113	4.04479	47.80379	ug/L	09/11/10	02:44	
61109-2L	B	-23.05756	-22.80810	-23.30703	1.53006	ug/L	09/11/10	02:44	
61109-2L	Ba	31.00487	31.29910	30.71065	1.34203	ug/L	09/11/10	02:44	
61109-2L	Be	0.70286	0.70703	0.69869	0.83952	ug/L	09/11/10	02:44	
61109-2L	Ca	5485.44335	5532.89550	5437.99072	1.22338	ug/L	09/11/10	02:44	
61109-2L	Cd	5.84118	6.06981	5.61255	5.53540	ug/L	09/11/10	02:44	
61109-2L	Co	6.46145	6.80674	6.11615	7.55744	ug/L	09/11/10	02:44	
61109-2L	Cr	24.79454	24.89919	24.68989	0.59688	ug/L	09/11/10	02:44	
61109-2L	Cu	20.09104	20.48990	19.69219	2.80752	ug/L	09/11/10	02:44	
61109-2L	Fe	22739.92773	22910.34375	22569.51171	1.05983	ug/L	09/11/10	02:44	
61109-2L	2Fe	22.73533	22.90515	22.56551	1.05632	mg/L	09/11/10	02:44	
61109-2L	K	783.57727	800.07647	767.07812	2.97779	ug/L	09/11/10	02:44	
61109-2L	Mg	5341.80078	5380.39257	5303.20849	1.02170	ug/L	09/11/10	02:44	
61109-2L	2Mg	5.33644	5.37499	5.29789	1.02167	mg/L	09/11/10	02:44	
61109-2L	Mn	324.85278	326.98562	322.71994	0.92851	ug/L	09/11/10	02:44	
61109-2L	Mo	0.04950	0.23123	-0.13222	519.13311	ug/L	09/11/10	02:44	
61109-2L	Na	3.48763	62.69494	-55.71968	2400.82153	ug/L	09/11/10	02:44	
61109-2L	Ni	14.40049	15.47063	13.33035	10.50940	ug/L	09/11/10	02:44	
61109-2L	Pb	24.79209	25.32198	24.26221	3.02260	ug/L	09/11/10	02:44	
61109-2L	Se	0.84360	-1.32569	3.01289	363.66018	ug/L	09/11/10	02:44	
61109-2L	Sb	2.22441	3.58661	0.86222	86.60391	ug/L	09/11/10	02:44	
61109-2L	Sn	4.02992	4.40947	3.65038	13.31931	ug/L	09/11/10	02:44	
61109-2L	Sr	74.68737	75.05816	74.31658	0.70209	ug/L	09/11/10	02:44	
61109-2L	Ti	748.69445	754.27783	743.11114	1.05464	ug/L	09/11/10	02:44	
61109-2L	Tl	0.83763	0.44544	1.22982	66.21564	ug/L	09/11/10	02:44	
61109-2L	V	27.10296	27.60950	26.59642	2.64308	ug/L	09/11/10	02:44	
61109-2L	Zn	346.44296	349.46673	343.41918	1.23433	ug/L	09/11/10	02:44	
61109-2L	2203/1	27.06118	29.19969	24.92266	11.17585	ug/L	09/11/10	02:44	
61109-2L	2203/2	23.65925	23.38603	23.93248	1.63319	ug/L	09/11/10	02:44	
61109-2L	1960/1	-2.77967	-5.23354	-0.32579	124.84565	ug/L	09/11/10	02:44	
61109-2L	1960/2	2.65252	0.62530	4.67974	108.08277	ug/L	09/11/10	02:44	
61109-2L	Y	1005.32043	1002.84234	1007.79852	0.34859		09/11/10	02:44	
61109-2A	Ag	41.11486	41.40378	40.82594	0.99378	ug/L	09/11/10	02:49	
61109-2A	Al	59658.85156	59686.34375	59631.36328	0.06516	ug/L	09/11/10	02:49	
61109-2A	2Al	59.65463	59.68231	59.62695	0.06561	mg/L	09/11/10	02:49	
61109-2A	As	1958.63049	1965.96533	1951.29565	0.52960	ug/L	09/11/10	02:49	
61109-2A	B	795.60510	797.31506	793.89508	0.30395	ug/L	09/11/10	02:49	
61109-2A	Ba	2178.95532	2185.58178	2172.32885	0.43007	ug/L	09/11/10	02:49	
61109-2A	Be	51.90768	51.97129	51.84408	0.17329	ug/L	09/11/10	02:49	
61109-2A	Ca	30013.54101	30027.37500	29999.70703	0.06518	ug/L	09/11/10	02:49	
61109-2A	Cd	74.44398	74.37075	74.51721	0.13911	ug/L	09/11/10	02:49	
61109-2A	Co	523.54064	525.16931	521.91198	0.43994	ug/L	09/11/10	02:49	
61109-2A	Cr	316.56726	316.98202	316.15249	0.18528	ug/L	09/11/10	02:49	
61109-2A	Cu	348.88577	349.73504	348.03649	0.34425	ug/L	09/11/10	02:49	
61109-2A	Fe	108273.71875	108442.12500	108105.30468	0.21996	ug/L	09/11/10	02:49	
61109-2A	2Fe	108.25006	108.41845	108.08165	0.22000	mg/L	09/11/10	02:49	
61109-2A	K	8054.37792	8054.39794	8054.35742	0.00035	ug/L	09/11/10	02:49	
61109-2A	Mg	29460.79687	29475.26367	29446.33007	0.06944	ug/L	09/11/10	02:49	
61109-2A	2Mg	29.43437	29.44880	29.41993	0.06936	mg/L	09/11/10	02:49	
61109-2A	Mn	2029.14428	2034.15783	2024.13061	0.34942	ug/L	09/11/10	02:49	
61109-2A	Mo	392.19430	394.14144	390.24716	0.70212	ug/L	09/11/10	02:49	
61109-2A	Na	4312.13720	4396.78710	4227.48730	2.77618	ug/L	09/11/10	02:49	
61109-2A	Ni	552.62426	553.53570	551.71276	0.23325	ug/L	09/11/10	02:49	
61109-2A	Pb	597.99920	598.26184	597.73657	0.06211	ug/L	09/11/10	02:49	
61109-2A	Se	1948.79418	1954.26062	1943.32788	0.39668	ug/L	09/11/10	02:49	
61109-2A	Sb	490.42239	494.65814	486.18664	1.22144	ug/L	09/11/10	02:49	
61109-2A	Sn	819.79663	820.89624	818.69702	0.18969	ug/L	09/11/10	02:49	
61109-2A	Sr	774.27258	775.36035	773.18487	0.19867	ug/L	09/11/10	02:49	
61109-2A	Ti	4348.70507	4355.43164	4341.97900	0.21874	ug/L	09/11/10	02:49	
61109-2A	Tl	1976.85424	1981.41662	1972.29199	0.32638	ug/L	09/11/10	02:49	
61109-2A	V	616.07702	617.44543	614.70867	0.31411	ug/L	09/11/10	02:49	
61109-2A	Zn	2104.44653	2105.40966	2103.48339	0.06472	ug/L	09/11/10	02:49	
61109-2A	2203/1	609.27636	612.01818	606.53448	0.63642	ug/L	09/11/10	02:49	
61109-2A	2203/2	592.36907	591.39398	593.34417	0.23279	ug/L	09/11/10	02:49	
61109-2A	1960/1	1973.78649	1982.48046	1965.09252	0.62292	ug/L	09/11/10	02:49	
61109-2A	1960/2	1936.31689	1940.17175	1932.46191	0.28154	ug/L	09/11/10	02:49	
61109-2A	Y	1018.52380	1019.11010	1017.93756	0.08140		09/11/10	02:49	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61109-2S	Ag	51.02060	51.31167	50.72953	0.80679	ug/L	09/11/10	02:55	
61109-2S	Al	52048.57031	52123.31250	51973.83203	0.20307	ug/L	09/11/10	02:55	
61109-2S	2Al	52.04873	52.12255	51.97492	0.20055	mg/L	09/11/10	02:55	
61109-2S	As	2033.32470	2034.77380	2031.87561	0.10078	ug/L	09/11/10	02:55	
61109-2S	B	1000.82775	1003.69940	997.95617	0.40577	ug/L	09/11/10	02:55	
61109-2S	Ba	2263.28759	2266.91284	2259.66235	0.22652	ug/L	09/11/10	02:55	
61109-2S	Be	53.93048	54.03087	53.83008	0.26326	ug/L	09/11/10	02:55	
61109-2S	Ca	32591.76171	32632.34375	32551.17968	0.17609	ug/L	09/11/10	02:55	
61109-2S	Cd	70.87870	71.18259	70.57480	0.60634	ug/L	09/11/10	02:55	
61109-2S	Co	538.67864	539.15551	538.20178	0.12519	ug/L	09/11/10	02:55	
61109-2S	Cr	269.65576	269.69692	269.61456	0.02159	ug/L	09/11/10	02:55	
61109-2S	Cu	345.52557	346.10177	344.94937	0.23583	ug/L	09/11/10	02:55	
61109-2S	Fe	82876.68750	83017.92968	82735.45312	0.24100	ug/L	09/11/10	02:55	
61109-2S	2Fe	82.86470	83.00420	82.72519	0.23808	mg/L	09/11/10	02:55	
61109-2S	K	8554.49609	8556.07226	8552.91992	0.02605	ug/L	09/11/10	02:55	
61109-2S	Mg	27164.91406	27200.86523	27128.96093	0.18716	ug/L	09/11/10	02:55	
61109-2S	2Mg	27.14355	27.17947	27.10763	0.18714	mg/L	09/11/10	02:55	
61109-2S	Mn	1928.51403	1931.47253	1925.55554	0.21695	ug/L	09/11/10	02:55	
61109-2S	Mo	497.83520	498.93298	496.73745	0.31184	ug/L	09/11/10	02:55	
61109-2S	Na	5423.03222	5296.75634	5549.30810	3.29301	ug/L	09/11/10	02:55	
61109-2S	Ni	558.35412	559.11572	557.59259	0.19289	ug/L	09/11/10	02:55	
61109-2S	Pb	596.43664	596.67810	596.19519	0.05725	ug/L	09/11/10	02:55	
61109-2S	Se	2016.84204	2014.22595	2019.45800	0.18343	ug/L	09/11/10	02:55	
61109-2S	Sb	501.26770	500.57290	501.96249	0.19602	ug/L	09/11/10	02:55	
61109-2S	Sn	1012.32952	1013.32141	1011.33764	0.13856	ug/L	09/11/10	02:55	
61109-2S	Sr	908.39477	908.82971	907.95977	0.06771	ug/L	09/11/10	02:55	
61109-2S	Ti	4166.75097	4174.80322	4158.69921	0.27328	ug/L	09/11/10	02:55	
61109-2S	Tl	2066.43750	2066.43310	2066.44165	0.00029	ug/L	09/11/10	02:55	
61109-2S	V	612.44909	613.97937	610.91876	0.35336	ug/L	09/11/10	02:55	
61109-2S	Zn	1665.41479	1667.47595	1663.35351	0.17503	ug/L	09/11/10	02:55	
61109-2S	2203/1	605.48486	607.00720	603.96252	0.35556	ug/L	09/11/10	02:55	
61109-2S	2203/2	591.91931	591.52124	592.31732	0.09509	ug/L	09/11/10	02:55	
61109-2S	1960/1	2043.31616	2043.47387	2043.15856	0.01091	ug/L	09/11/10	02:55	
61109-2S	1960/2	2003.62475	1999.62390	2007.62548	0.28238	ug/L	09/11/10	02:55	
61109-2S	Y	1012.52795	1009.65899	1015.39691	0.40071		09/11/10	02:55	
61109-2SD	Ag	51.33794	51.32241	51.35348	0.04279	ug/L	09/11/10	03:00	
61109-2SD	Al	58811.88281	58580.38671	59043.38281	0.55666	ug/L	09/11/10	03:00	
61109-2SD	2Al	58.80968	58.57603	59.04334	0.56188	mg/L	09/11/10	03:00	
61109-2SD	As	2055.17114	2044.52600	2065.81616	0.73251	ug/L	09/11/10	03:00	
61109-2SD	B	1025.01843	1021.25927	1028.77758	0.51864	ug/L	09/11/10	03:00	
61109-2SD	Ba	2305.39550	2297.30102	2313.48974	0.49653	ug/L	09/11/10	03:00	
61109-2SD	Be	54.74015	54.48089	54.99941	0.66979	ug/L	09/11/10	03:00	
61109-2SD	Ca	35335.30468	35214.94531	35455.66796	0.48171	ug/L	09/11/10	03:00	
61109-2SD	Cd	74.58873	74.05271	75.12475	1.01629	ug/L	09/11/10	03:00	
61109-2SD	Co	550.57879	547.73382	553.42376	0.73075	ug/L	09/11/10	03:00	
61109-2SD	Cr	279.89721	278.80557	280.98889	0.55157	ug/L	09/11/10	03:00	
61109-2SD	Cu	361.50640	360.33163	362.68115	0.45956	ug/L	09/11/10	03:00	
61109-2SD	Fe	95191.64062	94855.89062	95527.38281	0.49880	ug/L	09/11/10	03:00	
61109-2SD	2Fe	95.17405	94.83490	95.51320	0.50395	mg/L	09/11/10	03:00	
61109-2SD	K	9033.55371	8988.58398	9078.52343	0.70400	ug/L	09/11/10	03:00	
61109-2SD	Mg	28914.51562	28834.35351	28994.67773	0.39207	ug/L	09/11/10	03:00	
61109-2SD	2Mg	28.89055	28.81047	28.97064	0.39201	mg/L	09/11/10	03:00	
61109-2SD	Mn	2058.31396	2051.86523	2064.76245	0.44306	ug/L	09/11/10	03:00	
61109-2SD	Mo	507.64102	504.44140	510.84063	0.89136	ug/L	09/11/10	03:00	
61109-2SD	Na	5545.27197	5511.97363	5578.57031	0.84920	ug/L	09/11/10	03:00	
61109-2SD	Ni	573.30505	571.93572	574.67431	0.33777	ug/L	09/11/10	03:00	
61109-2SD	Pb	623.38867	623.53900	623.23828	0.03411	ug/L	09/11/10	03:00	
61109-2SD	Se	2040.16064	2039.90124	2040.42016	0.01798	ug/L	09/11/10	03:00	
61109-2SD	Sb	497.58709	495.45849	499.71572	0.60498	ug/L	09/11/10	03:00	
61109-2SD	Sn	1032.84851	1022.11163	1043.58544	1.47013	ug/L	09/11/10	03:00	
61109-2SD	Sr	984.06103	981.18182	986.94018	0.41377	ug/L	09/11/10	03:00	
61109-2SD	Ti	4828.08251	4811.47705	4844.68798	0.48639	ug/L	09/11/10	03:00	
61109-2SD	Tl	2095.56665	2093.00537	2098.12792	0.17285	ug/L	09/11/10	03:00	
61109-2SD	V	641.69982	639.92089	643.47869	0.39204	ug/L	09/11/10	03:00	
61109-2SD	Zn	1908.96362	1903.25573	1914.67150	0.42285	ug/L	09/11/10	03:00	
61109-2SD	2203/1	633.01342	633.13140	632.89538	0.02636	ug/L	09/11/10	03:00	
61109-2SD	2203/2	618.58349	618.75000	618.41693	0.03807	ug/L	09/11/10	03:00	
61109-2SD	1960/1	2065.00537	2059.37207	2070.63867	0.38579	ug/L	09/11/10	03:00	
61109-2SD	1960/2	2027.75708	2030.18041	2025.33361	0.16901	ug/L	09/11/10	03:00	
61109-2SD	Y	999.20727	1000.92712	997.48748	0.24341		09/11/10	03:00	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61109-3	Ag	-0.68911	-1.08059	-0.29762	80.34212	ug/L	09/11/10	03:06	
61109-3	Al	45692.52343	45636.39062	45748.65234	0.17372	ug/L	09/11/10	03:06	
61109-3	2Al	45.68931	45.63355	45.74507	0.17258	mg/L	09/11/10	03:06	
61109-3	As	9.57596	9.47077	9.68114	1.55340	ug/L	09/11/10	03:06	
61109-3	B	-15.71153	-15.21386	-16.20920	4.47958	ug/L	09/11/10	03:06	
61109-3	Ba	125.51500	125.57996	125.45005	0.07318	ug/L	09/11/10	03:06	
61109-3	Be	4.59727	4.62231	4.57224	0.77015	ug/L	09/11/10	03:06	
61109-3	Ca	27111.51562	27088.41796	27134.61328	0.12048	ug/L	09/11/10	03:06	
61109-3	Cd	4.00156	4.13897	3.86414	4.85643	ug/L	09/11/10	03:06	
61109-3	Co	27.53984	27.65248	27.42720	0.57842	ug/L	09/11/10	03:06	
61109-3	Cr	113.13531	113.04166	113.22895	0.11706	ug/L	09/11/10	03:06	
61109-3	Cu	54.07315	53.98155	54.16476	0.23957	ug/L	09/11/10	03:06	
61109-3	Fe	82632.99218	82483.64062	82782.34375	0.25560	ug/L	09/11/10	03:06	
61109-3	2Fe	82.61508	82.46632	82.76383	0.25463	mg/L	09/11/10	03:06	
61109-3	K	2747.26611	2741.92675	2752.60546	0.27485	ug/L	09/11/10	03:06	
61109-3	Mg	21522.24609	21503.67187	21540.82226	0.12205	ug/L	09/11/10	03:06	
61109-3	2Mg	21.50215	21.48361	21.52070	0.12196	mg/L	09/11/10	03:06	
61109-3	Mn	1120.91003	1120.12963	1121.69042	0.09845	ug/L	09/11/10	03:06	
61109-3	Mo	6.26115	6.36310	6.15920	2.30266	ug/L	09/11/10	03:06	
61109-3	Na	503.18054	554.59429	451.76681	14.45008	ug/L	09/11/10	03:06	
61109-3	Ni	42.25646	42.33869	42.17424	0.27520	ug/L	09/11/10	03:06	
61109-3	Pb	158.24887	159.05412	157.44363	0.71961	ug/L	09/11/10	03:06	
61109-3	Se	1.54660	3.74849	-0.65528	201.34054	ug/L	09/11/10	03:06	
61109-3	Sb	4.52301	5.33246	3.71357	25.30899	ug/L	09/11/10	03:06	
61109-3	Sn	16.06879	15.31551	16.82208	6.62966	ug/L	09/11/10	03:06	
61109-3	Sr	185.09805	184.94024	185.25587	0.12057	ug/L	09/11/10	03:06	
61109-3	Ti	2945.12890	2944.01562	2946.24243	0.05346	ug/L	09/11/10	03:06	
61109-3	Tl	3.93648	5.65403	2.21894	61.70420	ug/L	09/11/10	03:06	
61109-3	V	119.05745	119.75605	118.35885	0.82982	ug/L	09/11/10	03:06	
61109-3	Zn	240.71197	240.62561	240.79835	0.05074	ug/L	09/11/10	03:06	
61109-3	2203/1	164.82713	165.14675	164.50750	0.27423	ug/L	09/11/10	03:06	
61109-3	2203/2	154.96469	156.01237	153.91699	0.95612	ug/L	09/11/10	03:06	
61109-3	1960/1	0.74170	4.78282	-3.29941	770.51940	ug/L	09/11/10	03:06	
61109-3	1960/2	1.94845	3.23210	0.66479	93.16957	ug/L	09/11/10	03:06	
61109-3	Y	1001.33361	1001.97460	1000.69256	0.09053		09/11/10	03:06	
61109-4	Ag	0.07069	0.09389	0.04750	46.40192	ug/L	09/11/10	03:11	
61109-4	Al	33975.64062	33887.75000	34063.53125	0.36583	ug/L	09/11/10	03:11	
61109-4	2Al	33.97461	33.88795	34.06128	0.36076	mg/L	09/11/10	03:11	
61109-4	As	10.74554	8.20168	13.28940	33.47956	ug/L	09/11/10	03:11	
61109-4	B	-19.35967	-19.01489	-19.70445	2.51859	ug/L	09/11/10	03:11	
61109-4	Ba	131.52319	131.28080	131.76556	0.26061	ug/L	09/11/10	03:11	
61109-4	Be	4.07039	4.05745	4.08334	0.44969	ug/L	09/11/10	03:11	
61109-4	Ca	8609.62207	8591.05957	8628.18457	0.30490	ug/L	09/11/10	03:11	
61109-4	Cd	3.08816	3.11487	3.06146	1.22304	ug/L	09/11/10	03:11	
61109-4	Co	21.66753	21.49142	21.84363	1.14943	ug/L	09/11/10	03:11	
61109-4	Cr	48.17037	48.14797	48.19278	0.06577	ug/L	09/11/10	03:11	
61109-4	Cu	44.54856	44.11357	44.98355	1.38088	ug/L	09/11/10	03:11	
61109-4	Fe	64821.52343	64661.78125	64981.26562	0.34851	ug/L	09/11/10	03:11	
61109-4	2Fe	64.80986	64.65245	64.96726	0.34348	mg/L	09/11/10	03:11	
61109-4	K	3575.31250	3560.43017	3590.19482	0.58866	ug/L	09/11/10	03:11	
61109-4	Mg	12186.94042	12163.17675	12210.70410	0.27576	ug/L	09/11/10	03:11	
61109-4	2Mg	12.17251	12.14878	12.19624	0.27570	mg/L	09/11/10	03:11	
61109-4	Mn	895.63806	893.90051	897.37567	0.27436	ug/L	09/11/10	03:11	
61109-4	Mo	3.20486	3.80011	2.60960	26.26696	ug/L	09/11/10	03:11	
61109-4	Na	336.80676	157.22019	516.39331	75.40637	ug/L	09/11/10	03:11	
61109-4	Ni	33.79225	33.95392	33.63057	0.67661	ug/L	09/11/10	03:11	
61109-4	Pb	119.31949	117.92513	120.71385	1.65264	ug/L	09/11/10	03:11	
61109-4	Se	0.11644	-4.01894	4.25183	5022.45751	ug/L	09/11/10	03:11	
61109-4	Sb	1.22749	1.98527	0.46972	87.30422	ug/L	09/11/10	03:11	
61109-4	Sn	21.02254	19.87874	22.16635	7.69453	ug/L	09/11/10	03:11	
61109-4	Sr	92.71107	92.55071	92.87143	0.24461	ug/L	09/11/10	03:11	
61109-4	Ti	2815.74267	2809.68676	2821.79833	0.30415	ug/L	09/11/10	03:11	
61109-4	Tl	0.77021	1.64452	-0.10408	160.53320	ug/L	09/11/10	03:11	
61109-4	V	81.73333	81.49210	81.97457	0.41740	ug/L	09/11/10	03:11	
61109-4	Zn	214.15551	213.25527	215.05575	0.59448	ug/L	09/11/10	03:11	
61109-4	2203/1	124.74539	122.10111	127.38968	2.99777	ug/L	09/11/10	03:11	
61109-4	2203/2	116.61061	115.84027	117.38095	0.93424	ug/L	09/11/10	03:11	
61109-4	1960/1	0.80062	-3.68718	5.28843	792.72424	ug/L	09/11/10	03:11	
61109-4	1960/2	-0.22513	-4.18457	3.73430	2487.19458	ug/L	09/11/10	03:11	
61109-4	Y	998.78515	1001.38830	996.18200	0.36858		09/11/10	03:11	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	512.75280	512.70391	512.80175	0.01349	ug/L	09/11/10	03:16	
CCV	Al	5218.00244	5193.92285	5242.08203	0.65261	ug/L	09/11/10	03:16	
CCV	2Al	5.21790	5.19402	5.24179	0.64746	mg/L	09/11/10	03:16	
CCV	As	515.29217	516.55004	514.03430	0.34522	ug/L	09/11/10	03:16	
CCV	B	5060.37304	5041.00244	5079.74316	0.54134	ug/L	09/11/10	03:16	
CCV	Ba	5184.89355	5178.91357	5190.87402	0.16311	ug/L	09/11/10	03:16	
CCV	Be	505.22268	505.19662	505.24874	0.00729	ug/L	09/11/10	03:16	
CCV	Ca	5097.11425	5089.83447	5104.39404	0.20198	ug/L	09/11/10	03:16	
CCV	Cd	503.11059	503.49801	502.72320	0.10889	ug/L	09/11/10	03:16	
CCV	Co	508.85086	508.24230	509.45941	0.16913	ug/L	09/11/10	03:16	
CCV	Cr	5076.79394	5075.09326	5078.49462	0.04737	ug/L	09/11/10	03:16	
CCV	Cu	5155.53320	5147.45947	5163.60742	0.22147	ug/L	09/11/10	03:16	
CCV	Fe	5134.32275	5123.70117	5144.94433	0.29256	ug/L	09/11/10	03:16	
CCV	2Fe	5.13432	5.12370	5.14494	0.29255	mg/L	09/11/10	03:16	
CCV	K	10362.66015	10363.37304	10361.94726	0.00972	ug/L	09/11/10	03:16	
CCV	Mg	5130.13623	5121.86914	5138.40332	0.22789	ug/L	09/11/10	03:16	
CCV	2Mg	5.13013	5.12186	5.13839	0.22782	mg/L	09/11/10	03:16	
CCV	Mn	5124.37402	5120.58496	5128.16308	0.10456	ug/L	09/11/10	03:16	
CCV	Mo	503.37173	501.52481	505.21865	0.51888	ug/L	09/11/10	03:16	
CCV	Na	7653.11914	7525.85009	7780.38867	2.35179	ug/L	09/11/10	03:16	
CCV	Ni	2555.86132	2554.90478	2556.81762	0.05292	ug/L	09/11/10	03:16	
CCV	Pb	511.46490	512.75024	510.17956	0.35539	ug/L	09/11/10	03:16	
CCV	Se	5085.32031	5076.58251	5094.05761	0.24298	ug/L	09/11/10	03:16	
CCV	Sb	515.83050	515.19061	516.47039	0.17543	ug/L	09/11/10	03:16	
CCV	Sn	5076.05371	5066.95214	5085.15576	0.25358	ug/L	09/11/10	03:16	
CCV	Sr	2585.45410	2582.36181	2588.54614	0.16913	ug/L	09/11/10	03:16	
CCV	Ti	515.09216	514.07531	516.10900	0.27918	ug/L	09/11/10	03:16	
CCV	Tl	5075.71093	5070.04687	5081.37500	0.15781	ug/L	09/11/10	03:16	
CCV	V	5141.74804	5133.60302	5149.89306	0.22402	ug/L	09/11/10	03:16	
CCV	Zn	2537.42773	2535.17749	2539.67773	0.12540	ug/L	09/11/10	03:16	
CCV	2203/1	519.15344	519.92279	518.38415	0.20956	ug/L	09/11/10	03:16	
CCV	2203/2	507.62176	509.16476	506.07879	0.42986	ug/L	09/11/10	03:16	
CCV	1960/1	5129.90087	5135.56445	5124.23730	0.15613	ug/L	09/11/10	03:16	
CCV	1960/2	5063.06298	5047.13574	5078.99023	0.44487	ug/L	09/11/10	03:16	
CCV	Y	980.27770	980.60992	979.94543	0.04793		09/11/10	03:16	
CCB	Ag	0.27315	0.19934	0.34695	38.21081	ug/L	09/11/10	03:22	
CCB	Al	0.81986	-1.33478	2.97451	371.66201	ug/L	09/11/10	03:22	
CCB	2Al	0.00081	-0.00133	0.00297	371.66519	mg/L	09/11/10	03:22	
CCB	As	-0.58720	-2.88186	1.70745	552.64324	ug/L	09/11/10	03:22	
CCB	B	-14.86830	-14.83316	-14.90344	0.33423	ug/L	09/11/10	03:22	
CCB	Ba	1.88285	0.15895	3.60674	129.48208	ug/L	09/11/10	03:22	
CCB	Be	0.21022	0.05449	0.36595	104.76041	ug/L	09/11/10	03:22	
CCB	Ca	8.43147	6.44833	10.41460	33.26322	ug/L	09/11/10	03:22	
CCB	Cd	0.18319	0.04889	0.31749	103.67595	ug/L	09/11/10	03:22	
CCB	Co	0.27434	0.30399	0.24469	15.28495	ug/L	09/11/10	03:22	
CCB	Cr	1.82045	0.31838	3.32253	116.68798	ug/L	09/11/10	03:22	
CCB	Cu	1.74723	0.33361	3.16085	114.41873	ug/L	09/11/10	03:22	
CCB	Fe	9.31804	8.13858	10.49751	17.90086	ug/L	09/11/10	03:22	
CCB	2Fe	0.00931	0.00813	0.01049	17.90244	mg/L	09/11/10	03:22	
CCB	K	8.49642	9.63043	7.36241	18.87534	ug/L	09/11/10	03:22	
CCB	Mg	8.06316	4.83115	11.29517	56.68678	ug/L	09/11/10	03:22	
CCB	2Mg	0.00806	0.00482	0.01129	56.70251	mg/L	09/11/10	03:22	
CCB	Mn	1.80779	0.10844	3.50713	132.93812	ug/L	09/11/10	03:22	
CCB	Mo	-1.87322	-2.34219	-1.40425	35.40512	ug/L	09/11/10	03:22	
CCB	Na	265.99438	298.30728	233.68147	17.17981	ug/L	09/11/10	03:22	
CCB	Ni	0.97199	-0.02123	1.96522	144.51119	ug/L	09/11/10	03:22	
CCB	Pb	0.30427	0.39969	0.20886	44.34520	ug/L	09/11/10	03:22	
CCB	Se	2.38476	-2.64449	7.41401	298.24542	ug/L	09/11/10	03:22	
CCB	Sb	1.96190	1.99679	1.92702	2.51483	ug/L	09/11/10	03:22	
CCB	Sn	4.79568	3.01487	6.57650	52.51490	ug/L	09/11/10	03:22	
CCB	Sr	0.93319	0.10406	1.76231	125.64997	ug/L	09/11/10	03:22	
CCB	Ti	0.67290	0.33109	1.01471	71.83670	ug/L	09/11/10	03:22	
CCB	Tl	7.73120	12.16618	3.29621	81.12609	ug/L	09/11/10	03:22	
CCB	V	1.47383	-0.02358	2.97124	143.68403	ug/L	09/11/10	03:22	
CCB	Zn	0.82767	-0.03367	1.68901	147.17480	ug/L	09/11/10	03:22	
CCB	2203/1	3.55034	1.80986	5.29082	69.32873	ug/L	09/11/10	03:22	
CCB	2203/2	-1.31631	-0.30433	-2.32830	108.72422	ug/L	09/11/10	03:22	
CCB	1960/1	1.98887	1.85682	2.12093	9.39023	ug/L	09/11/10	03:22	
CCB	1960/2	2.58240	-4.89177	10.05658	409.31188	ug/L	09/11/10	03:22	
CCB	Y	990.27600	989.65454	990.89752	0.08875		09/11/10	03:22	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBS 179451	Ag	-0.61926	-0.29458	-0.94394	74.14774	ug/L	09/11/10	03:27	
PBS 179451	Al	-3.24482	-4.02453	-2.46510	33.98280	ug/L	09/11/10	03:27	
PBS 179451	2Al	-0.00324	-0.00402	-0.00246	33.98299	mg/L	09/11/10	03:27	
PBS 179451	As	-1.61484	-3.16093	-0.06875	135.39988	ug/L	09/11/10	03:27	
PBS 179451	B	-24.09971	-22.81516	-25.38426	7.53798	ug/L	09/11/10	03:27	
PBS 179451	Ba	-0.10618	-0.05473	-0.15763	68.52615	ug/L	09/11/10	03:27	
PBS 179451	Be	0.02560	0.00112	0.05007	135.21307	ug/L	09/11/10	03:27	
PBS 179451	Ca	21.48692	21.53286	21.44098	0.30235	ug/L	09/11/10	03:27	
PBS 179451	Cd	0.22436	0.24544	0.20328	13.28854	ug/L	09/11/10	03:27	
PBS 179451	Co	-0.55314	-0.73086	-0.37542	45.43666	ug/L	09/11/10	03:27	
PBS 179451	Cr	0.62653	0.58478	0.66828	9.42406	ug/L	09/11/10	03:27	
PBS 179451	Cu	-0.15174	0.24325	-0.54674	368.13476	ug/L	09/11/10	03:27	
PBS 179451	Fe	30.58497	35.31970	25.85024	21.89286	ug/L	09/11/10	03:27	
PBS 179451	2Fe	0.03058	0.03531	0.02584	21.89302	mg/L	09/11/10	03:27	
PBS 179451	K	12.15257	22.25832	2.04682	117.60214	ug/L	09/11/10	03:27	
PBS 179451	Mg	1.61351	1.61450	1.61253	0.08613	ug/L	09/11/10	03:27	
PBS 179451	2Mg	0.00160	0.00160	0.00160	0.01399	mg/L	09/11/10	03:27	
PBS 179451	Mn	0.56726	0.58715	0.54738	4.95711	ug/L	09/11/10	03:27	
PBS 179451	Mo	-0.78270	0.05508	-1.62049	151.37445	ug/L	09/11/10	03:27	
PBS 179451	Na	214.81478	260.65130	168.97828	30.17604	ug/L	09/11/10	03:27	
PBS 179451	Ni	1.54117	2.61495	0.46740	98.53179	ug/L	09/11/10	03:27	
PBS 179451	Pb	0.84365	0.76124	0.92605	13.81349	ug/L	09/11/10	03:27	
PBS 179451	Se	-1.60616	-0.06962	-3.14270	135.29115	ug/L	09/11/10	03:27	
PBS 179451	Sb	-0.26816	1.33810	-1.87444	847.08593	ug/L	09/11/10	03:27	
PBS 179451	Sn	14.02073	15.39956	12.64190	13.90769	ug/L	09/11/10	03:27	
PBS 179451	Sr	-0.07536	-0.07839	-0.07233	5.68397	ug/L	09/11/10	03:27	
PBS 179451	Ti	0.08400	0.13786	0.03014	90.67404	ug/L	09/11/10	03:27	
PBS 179451	Tl	0.71822	4.41240	-2.97594	727.39361	ug/L	09/11/10	03:27	
PBS 179451	V	0.06407	0.67299	-0.54483	1343.91479	ug/L	09/11/10	03:27	
PBS 179451	Zn	2.54020	2.88933	2.19106	19.43730	ug/L	09/11/10	03:27	
PBS 179451	2203/1	2.22519	3.63369	0.81670	89.51636	ug/L	09/11/10	03:27	
PBS 179451	2203/2	0.15391	-0.67282	0.98065	759.62115	ug/L	09/11/10	03:27	
PBS 179451	1960/1	-1.77933	3.19327	-6.75194	395.22192	ug/L	09/11/10	03:27	
PBS 179451	1960/2	-1.51970	-1.69862	-1.34079	16.64956	ug/L	09/11/10	03:27	
PBS 179451	Y	981.03210	980.39105	981.67309	0.09240		09/11/10	03:27	
LCSS-1	Ag	52.33610	52.38619	52.28602	0.13533	ug/L	09/11/10	03:32	
LCSS-1	Al	2123.64160	2125.31884	2121.96411	0.11170	ug/L	09/11/10	03:32	
LCSS-1	2Al	2.12369	2.12537	2.12201	0.11170	mg/L	09/11/10	03:32	
LCSS-1	As	2081.23242	2086.32519	2076.13989	0.34604	ug/L	09/11/10	03:32	
LCSS-1	B	1019.19262	1019.14556	1019.23968	0.00652	ug/L	09/11/10	03:32	
LCSS-1	Ba	2176.08471	2177.77636	2174.39306	0.10993	ug/L	09/11/10	03:32	
LCSS-1	Be	52.43069	52.51021	52.35117	0.21448	ug/L	09/11/10	03:32	
LCSS-1	Ca	5182.18750	5184.82666	5179.54785	0.07202	ug/L	09/11/10	03:32	
LCSS-1	Cd	52.50205	52.43085	52.57325	0.19179	ug/L	09/11/10	03:32	
LCSS-1	Co	532.99829	533.43060	532.56597	0.11470	ug/L	09/11/10	03:32	
LCSS-1	Cr	213.08833	213.14360	213.03306	0.03667	ug/L	09/11/10	03:32	
LCSS-1	Cu	268.29647	268.47781	268.11514	0.09558	ug/L	09/11/10	03:32	
LCSS-1	Fe	1082.59960	1094.35485	1070.84448	1.53559	ug/L	09/11/10	03:32	
LCSS-1	2Fe	1.08268	1.09443	1.07093	1.53529	mg/L	09/11/10	03:32	
LCSS-1	K	5100.99267	5100.85253	5101.13281	0.00388	ug/L	09/11/10	03:32	
LCSS-1	Mg	5217.25292	5218.85742	5215.64794	0.04349	ug/L	09/11/10	03:32	
LCSS-1	2Mg	5.21583	5.21743	5.21423	0.04344	mg/L	09/11/10	03:32	
LCSS-1	Mn	536.22741	536.64971	535.80511	0.11137	ug/L	09/11/10	03:32	
LCSS-1	Mo	516.90283	514.02557	519.78002	0.78719	ug/L	09/11/10	03:32	
LCSS-1	Na	5121.69091	5052.10498	5191.27685	1.92142	ug/L	09/11/10	03:32	
LCSS-1	Ni	532.30737	532.29071	532.32397	0.00441	ug/L	09/11/10	03:32	
LCSS-1	Pb	526.60144	525.32067	527.88226	0.34396	ug/L	09/11/10	03:32	
LCSS-1	Se	2089.58276	2089.57275	2089.59277	0.00067	ug/L	09/11/10	03:32	
LCSS-1	Sb	522.66589	524.72967	520.60211	0.55841	ug/L	09/11/10	03:32	
LCSS-1	Sn	1040.83422	1040.26928	1041.39904	0.07675	ug/L	09/11/10	03:32	
LCSS-1	Sr	537.39959	537.51873	537.28045	0.03135	ug/L	09/11/10	03:32	
LCSS-1	Ti	731.00830	730.61431	731.40222	0.07621	ug/L	09/11/10	03:32	
LCSS-1	Tl	2159.06494	2154.15649	2163.97338	0.32150	ug/L	09/11/10	03:32	
LCSS-1	V	526.97460	526.82214	527.12713	0.04092	ug/L	09/11/10	03:32	
LCSS-1	Zn	536.13354	535.52795	536.73919	0.15975	ug/L	09/11/10	03:32	
LCSS-1	2203/1	528.14263	526.89965	529.38562	0.33283	ug/L	09/11/10	03:32	
LCSS-1	2203/2	525.83203	524.53234	527.13171	0.34954	ug/L	09/11/10	03:32	
LCSS-1	1960/1	2106.43701	2111.26440	2101.60937	0.32410	ug/L	09/11/10	03:32	
LCSS-1	1960/2	2081.16748	2078.74243	2083.59277	0.16479	ug/L	09/11/10	03:32	
LCSS-1	Y	985.41760	986.34002	984.49511	0.13238		09/11/10	03:32	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-1	Ag	0.21172	0.18871	0.23473	15.37078	ug/L	09/11/10	03:38	
60980-1	Al	279709.56250	279760.46875	279658.62500	0.02574	ug/L	09/11/10	03:38	
60980-1	2Al	279.69793	279.75439	279.64144	0.02855	mg/L	09/11/10	03:38	
60980-1	As	221.51695	219.71093	223.32296	1.15300	ug/L	09/11/10	03:38	
60980-1	B	108.67413	109.31788	108.03038	0.83773	ug/L	09/11/10	03:38	
60980-1	Ba	1313.50988	1312.90722	1314.11254	0.06488	ug/L	09/11/10	03:38	
60980-1	Be	10.56011	10.54848	10.57174	0.15579	ug/L	09/11/10	03:38	
60980-1	Ca	98561.96093	98494.32812	98629.59375	0.09704	ug/L	09/11/10	03:38	
60980-1	Cd	1.77204	1.79738	1.74670	2.02196	ug/L	09/11/10	03:38	
60980-1	Co	88.91316	88.57290	89.25341	0.54119	ug/L	09/11/10	03:38	
60980-1	Cr	249.17568	248.67135	249.68000	0.28623	ug/L	09/11/10	03:38	
60980-1	Cu	120.87312	120.80587	120.94036	0.07868	ug/L	09/11/10	03:38	
60980-1	Fe	192162.64062	192030.01562	192295.26562	0.09760	ug/L	09/11/10	03:38	
60980-1	2Fe	192.12521	191.99656	192.25386	0.09469	mg/L	09/11/10	03:38	
60980-1	K	49374.54687	49360.36718	49388.73046	0.04061	ug/L	09/11/10	03:38	
60980-1	Mg	50571.60156	50562.10937	50581.09765	0.02654	ug/L	09/11/10	03:38	
60980-1	2Mg	50.52582	50.51793	50.53372	0.02209	mg/L	09/11/10	03:38	
60980-1	Mn	8443.89257	8437.34179	8450.44238	0.10970	ug/L	09/11/10	03:38	
60980-1	Mo	3.09012	3.06402	3.11623	1.19473	ug/L	09/11/10	03:38	
60980-1	Na	5282.95507	5265.78857	5300.12207	0.45954	ug/L	09/11/10	03:38	
60980-1	Ni	135.87261	134.77238	136.97285	1.14516	ug/L	09/11/10	03:38	
60980-1	Pb	273.56317	274.90005	272.22625	0.69112	ug/L	09/11/10	03:38	
60980-1	Se	5.92133	6.53892	5.30374	14.75007	ug/L	09/11/10	03:38	
60980-1	Sb	4.15364	2.56284	5.74445	54.16288	ug/L	09/11/10	03:38	
60980-1	Sn	25.41349	26.18643	24.64055	4.30126	ug/L	09/11/10	03:38	
60980-1	Sr	530.13354	531.24487	529.02221	0.29646	ug/L	09/11/10	03:38	
60980-1	Ti	1570.26330	1569.91101	1570.61560	0.03172	ug/L	09/11/10	03:38	
60980-1	Tl	3.28681	3.02690	3.54673	11.18325	ug/L	09/11/10	03:38	
60980-1	V	351.15594	351.23516	351.07675	0.03189	ug/L	09/11/10	03:38	
60980-1	Zn	591.80694	592.33453	591.27935	0.12607	ug/L	09/11/10	03:38	
60980-1	2203/1	298.03771	297.75213	298.32333	0.13551	ug/L	09/11/10	03:38	
60980-1	2203/2	261.34420	263.49114	259.19726	1.16177	ug/L	09/11/10	03:38	
60980-1	1960/1	7.25281	7.33317	7.17245	1.56698	ug/L	09/11/10	03:38	
60980-1	1960/2	5.25659	6.14238	4.37079	23.83116	ug/L	09/11/10	03:38	
60980-1	Y	1008.26751	1006.27410	1010.26092	0.27959		09/11/10	03:38	
60980-1S	Ag	51.05619	51.18075	50.93164	0.34501	ug/L	09/11/10	03:43	
60980-1S	Al	286293.81250	285863.96875	286723.65625	0.21233	ug/L	09/11/10	03:43	
60980-1S	2Al	286.28100	285.85037	286.71166	0.21273	mg/L	09/11/10	03:43	
60980-1S	As	2034.43579	2029.59204	2039.27941	0.33670	ug/L	09/11/10	03:43	
60980-1S	B	1082.71289	1077.45825	1087.96765	0.68635	ug/L	09/11/10	03:43	
60980-1S	Ba	2649.09375	2643.89355	2654.29394	0.27761	ug/L	09/11/10	03:43	
60980-1S	Be	60.38445	60.21427	60.55463	0.39856	ug/L	09/11/10	03:43	
60980-1S	Ca	180538.37500	180142.62500	180934.14062	0.31000	ug/L	09/11/10	03:43	
60980-1S	Cd	50.81539	50.70736	50.92341	0.30064	ug/L	09/11/10	03:43	
60980-1S	Co	555.52722	554.52044	556.53399	0.25629	ug/L	09/11/10	03:43	
60980-1S	Cr	444.62609	443.84112	445.41107	0.24967	ug/L	09/11/10	03:43	
60980-1S	Cu	378.09423	377.84954	378.33889	0.09151	ug/L	09/11/10	03:43	
60980-1S	Fe	177402.70312	177047.76562	177757.64062	0.28294	ug/L	09/11/10	03:43	
60980-1S	2Fe	177.36740	177.01196	177.72283	0.28340	mg/L	09/11/10	03:43	
60980-1S	K	55861.81250	55803.69140	55919.92968	0.14713	ug/L	09/11/10	03:43	
60980-1S	Mg	54326.65234	54239.38671	54413.91796	0.22716	ug/L	09/11/10	03:43	
60980-1S	2Mg	54.27877	54.19159	54.36594	0.22713	mg/L	09/11/10	03:43	
60980-1S	Mn	3921.14111	3913.65258	3928.62988	0.27008	ug/L	09/11/10	03:43	
60980-1S	Mo	455.23556	453.70370	456.76742	0.47588	ug/L	09/11/10	03:43	
60980-1S	Na	10150.39355	10028.17773	10272.60937	1.70278	ug/L	09/11/10	03:43	
60980-1S	Ni	613.40173	612.95373	613.84967	0.10328	ug/L	09/11/10	03:43	
60980-1S	Pb	835.05395	835.05255	835.05541	0.00024	ug/L	09/11/10	03:43	
60980-1S	Se	2003.41284	2003.17260	2003.65319	0.01696	ug/L	09/11/10	03:43	
60980-1S	Sb	299.66751	292.35272	306.98229	3.45205	ug/L	09/11/10	03:43	
60980-1S	Sn	995.23754	992.17077	998.30426	0.43577	ug/L	09/11/10	03:43	
60980-1S	Sr	1065.31933	1061.52819	1069.11047	0.50327	ug/L	09/11/10	03:43	
60980-1S	Ti	1997.71813	1993.26342	2002.17285	0.31535	ug/L	09/11/10	03:43	
60980-1S	Tl	2038.78076	2034.46911	2043.09228	0.29907	ug/L	09/11/10	03:43	
60980-1S	V	799.70080	799.47241	799.92913	0.04038	ug/L	09/11/10	03:43	
60980-1S	Zn	1078.43457	1076.31054	1080.55871	0.27854	ug/L	09/11/10	03:43	
60980-1S	2203/1	861.51538	859.47613	863.55456	0.33474	ug/L	09/11/10	03:43	
60980-1S	2203/2	821.84313	822.85906	820.82727	0.17481	ug/L	09/11/10	03:43	
60980-1S	1960/1	2028.72302	2021.19995	2036.24609	0.52442	ug/L	09/11/10	03:43	
60980-1S	1960/2	1990.77685	1994.17248	1987.38122	0.24121	ug/L	09/11/10	03:43	
60980-1S	Y	1011.80877	1013.16900	1010.44854	0.19012		09/11/10	03:43	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-1SD	Ag	52.56201	52.67793	52.44610	0.31187	ug/L	09/11/10	03:48	
60980-1SD	Al	290257.37500	291018.40625	289496.31250	0.37080	ug/L	09/11/10	03:48	
60980-1SD	2Al	290.24816	291.02322	289.47314	0.37763	mg/L	09/11/10	03:48	
60980-1SD	As	2204.81567	2212.93359	2196.69775	0.52069	ug/L	09/11/10	03:48	
60980-1SD	B	1098.71655	1101.63940	1095.79382	0.37620	ug/L	09/11/10	03:48	
60980-1SD	Ba	3067.28320	3075.18286	3059.38378	0.36421	ug/L	09/11/10	03:48	
60980-1SD	Be	62.27680	62.39385	62.15976	0.26579	ug/L	09/11/10	03:48	
60980-1SD	Ca	129837.00000	130212.85156	129461.14062	0.40939	ug/L	09/11/10	03:48	
60980-1SD	Cd	51.44148	51.62502	51.25794	0.50458	ug/L	09/11/10	03:48	
60980-1SD	Co	580.96960	584.16961	577.76965	0.77894	ug/L	09/11/10	03:48	
60980-1SD	Cr	455.81732	457.15298	454.48165	0.41440	ug/L	09/11/10	03:48	
60980-1SD	Cu	387.55798	388.25411	386.86181	0.25402	ug/L	09/11/10	03:48	
60980-1SD	Fe	192378.68750	192918.18750	191839.20312	0.39659	ug/L	09/11/10	03:48	
60980-1SD	2Fe	192.34313	192.89170	191.79457	0.40333	mg/L	09/11/10	03:48	
60980-1SD	K	55631.32031	55756.35546	55506.28906	0.31784	ug/L	09/11/10	03:48	
60980-1SD	Mg	56689.65625	56883.34765	56495.96875	0.48318	ug/L	09/11/10	03:48	
60980-1SD	2Mg	56.64048	56.83561	56.44535	0.48720	mg/L	09/11/10	03:48	
60980-1SD	Mn	4893.68652	4907.70947	4879.66357	0.40524	ug/L	09/11/10	03:48	
60980-1SD	Mo	462.05139	465.05865	459.04412	0.92044	ug/L	09/11/10	03:48	
60980-1SD	Na	10648.97265	10649.55957	10648.38476	0.00780	ug/L	09/11/10	03:48	
60980-1SD	Ni	630.49279	632.80902	628.17651	0.51954	ug/L	09/11/10	03:48	
60980-1SD	Pb	682.52368	686.20715	678.84027	0.76322	ug/L	09/11/10	03:48	
60980-1SD	Se	2044.29077	2045.34313	2043.23828	0.07280	ug/L	09/11/10	03:48	
60980-1SD	Sb	319.06011	315.74377	322.37643	1.46994	ug/L	09/11/10	03:48	
60980-1SD	Sn	1017.17974	1018.83959	1015.51989	0.23077	ug/L	09/11/10	03:48	
60980-1SD	Sr	1096.60034	1100.62084	1092.57995	0.51849	ug/L	09/11/10	03:48	
60980-1SD	Ti	1803.92932	1809.09277	1798.76586	0.40479	ug/L	09/11/10	03:48	
60980-1SD	Tl	2097.40527	2100.01635	2094.79418	0.17605	ug/L	09/11/10	03:48	
60980-1SD	V	832.34716	835.71722	828.97711	0.57259	ug/L	09/11/10	03:48	
60980-1SD	Zn	1092.42773	1095.62121	1089.23437	0.41340	ug/L	09/11/10	03:48	
60980-1SD	2203/1	704.74438	706.05804	703.43078	0.26360	ug/L	09/11/10	03:48	
60980-1SD	2203/2	671.42999	676.29656	666.56341	1.02503	ug/L	09/11/10	03:48	
60980-1SD	1960/1	2065.65698	2075.01489	2056.29907	0.64067	ug/L	09/11/10	03:48	
60980-1SD	1960/2	2033.62353	2030.52941	2036.71765	0.21516	ug/L	09/11/10	03:48	
60980-1SD	Y	1003.42077	1000.30169	1006.53991	0.43960		09/11/10	03:48	
60848-3	Ag	0.14745	-0.00038	0.29529	141.79449	ug/L	09/11/10	03:54	
60848-3	Al	44814.38281	44830.93750	44797.83203	0.05223	ug/L	09/11/10	03:54	
60848-3	2Al	44.81442	44.83201	44.79682	0.05551	mg/L	09/11/10	03:54	
60848-3	As	10.03992	12.51139	7.56845	34.81288	ug/L	09/11/10	03:54	
60848-3	B	-13.14458	-12.20811	-14.08105	10.07540	ug/L	09/11/10	03:54	
60848-3	Ba	157.48361	157.55894	157.40827	0.06764	ug/L	09/11/10	03:54	
60848-3	Be	0.79118	0.77932	0.80305	2.12067	ug/L	09/11/10	03:54	
60848-3	Ca	7043.35058	7042.02246	7044.67871	0.02666	ug/L	09/11/10	03:54	
60848-3	Cd	-0.31167	-0.22837	-0.39497	37.79665	ug/L	09/11/10	03:54	
60848-3	Co	7.90889	7.96981	7.84797	1.08932	ug/L	09/11/10	03:54	
60848-3	Cr	51.67073	51.66530	51.67615	0.01484	ug/L	09/11/10	03:54	
60848-3	Cu	39.92966	40.01406	39.84526	0.29893	ug/L	09/11/10	03:54	
60848-3	Fe	16683.50976	16704.12109	16662.89843	0.17471	ug/L	09/11/10	03:54	
60848-3	2Fe	16.68140	16.70201	16.66079	0.17471	mg/L	09/11/10	03:54	
60848-3	K	1868.74438	1872.89062	1864.59826	0.31377	ug/L	09/11/10	03:54	
60848-3	Mg	1996.30371	2001.72106	1990.88647	0.38377	ug/L	09/11/10	03:54	
60848-3	2Mg	1.99290	1.99831	1.98749	0.38405	mg/L	09/11/10	03:54	
60848-3	Mn	215.79956	215.78195	215.81716	0.01153	ug/L	09/11/10	03:54	
60848-3	Mo	0.21266	0.24916	0.17617	24.26681	ug/L	09/11/10	03:54	
60848-3	Na	142.67236	168.69792	116.64682	25.79734	ug/L	09/11/10	03:54	
60848-3	Ni	13.96053	13.88534	14.03572	0.76167	ug/L	09/11/10	03:54	
60848-3	Pb	291.79840	292.75582	290.84094	0.46402	ug/L	09/11/10	03:54	
60848-3	Se	-2.81225	-4.07622	-1.54827	63.56230	ug/L	09/11/10	03:54	
60848-3	Sb	2.22791	2.78358	1.67224	35.27210	ug/L	09/11/10	03:54	
60848-3	Sn	27.91007	26.11695	29.70318	9.08577	ug/L	09/11/10	03:54	
60848-3	Sr	124.60452	124.83643	124.37261	0.26320	ug/L	09/11/10	03:54	
60848-3	Ti	1232.90625	1233.61572	1232.19677	0.08138	ug/L	09/11/10	03:54	
60848-3	Tl	0.76115	1.11893	0.40338	66.47395	ug/L	09/11/10	03:54	
60848-3	V	42.24884	42.36671	42.13097	0.39455	ug/L	09/11/10	03:54	
60848-3	Zn	72.52162	72.47483	72.56840	0.09123	ug/L	09/11/10	03:54	
60848-3	2203/1	301.54846	301.10531	301.99160	0.20782	ug/L	09/11/10	03:54	
60848-3	2203/2	286.93066	288.58734	285.27395	0.81654	ug/L	09/11/10	03:54	
60848-3	1960/1	2.30146	-0.31201	4.91495	160.59410	ug/L	09/11/10	03:54	
60848-3	1960/2	-5.36527	-5.95551	-4.77504	15.55775	ug/L	09/11/10	03:54	
60848-3	Y	993.52410	993.22705	993.82116	0.04228		09/11/10	03:54	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	509.20404	508.64898	509.75906	0.15415	ug/L	09/11/10	04:02	
CCV	Al	5170.56591	5147.16992	5193.96191	0.63990	ug/L	09/11/10	04:02	
CCV	2Al	5.17028	5.14707	5.19348	0.63470	mg/L	09/11/10	04:02	
CCV	As	512.73828	517.90991	507.56671	1.42640	ug/L	09/11/10	04:02	
CCV	B	5040.10253	5027.28613	5052.91943	0.35962	ug/L	09/11/10	04:02	
CCV	Ba	5152.78466	5148.81005	5156.75927	0.10908	ug/L	09/11/10	04:02	
CCV	Be	503.15625	503.49575	502.81674	0.09542	ug/L	09/11/10	04:02	
CCV	Ca	5085.18066	5079.67382	5090.68798	0.15315	ug/L	09/11/10	04:02	
CCV	Cd	500.11871	500.55285	499.68457	0.12276	ug/L	09/11/10	04:02	
CCV	Co	506.39050	506.63751	506.14352	0.06897	ug/L	09/11/10	04:02	
CCV	Cr	5058.53515	5060.50292	5056.56738	0.05501	ug/L	09/11/10	04:02	
CCV	Cu	5118.34179	5115.11669	5121.56640	0.08910	ug/L	09/11/10	04:02	
CCV	Fe	5095.21923	5093.51416	5096.92431	0.04732	ug/L	09/11/10	04:02	
CCV	2Fe	5.09521	5.09351	5.09692	0.04731	mg/L	09/11/10	04:02	
CCV	K	10296.77734	10292.72558	10300.83007	0.05565	ug/L	09/11/10	04:02	
CCV	Mg	5095.77539	5098.50292	5093.04736	0.07570	ug/L	09/11/10	04:02	
CCV	2Mg	5.09577	5.09850	5.09305	0.07568	mg/L	09/11/10	04:02	
CCV	Mn	5103.67236	5103.30419	5104.04052	0.01020	ug/L	09/11/10	04:02	
CCV	Mo	502.74902	503.67550	501.82250	0.26062	ug/L	09/11/10	04:02	
CCV	Na	7637.36914	7634.77001	7639.96826	0.04812	ug/L	09/11/10	04:02	
CCV	Ni	2538.35546	2539.53613	2537.17456	0.06578	ug/L	09/11/10	04:02	
CCV	Pb	509.12854	506.17068	512.08636	0.82160	ug/L	09/11/10	04:02	
CCV	Se	5054.76953	5040.38037	5069.15820	0.40257	ug/L	09/11/10	04:02	
CCV	Sb	505.75653	504.50595	507.00714	0.34969	ug/L	09/11/10	04:02	
CCV	Sn	5051.08691	5048.02539	5054.14794	0.08571	ug/L	09/11/10	04:02	
CCV	Sr	2581.01513	2579.93457	2582.09570	0.05920	ug/L	09/11/10	04:02	
CCV	Ti	509.86614	509.50234	510.22991	0.10090	ug/L	09/11/10	04:02	
CCV	Tl	5066.08154	5066.85791	5065.30517	0.02167	ug/L	09/11/10	04:02	
CCV	V	5108.25488	5107.83300	5108.67724	0.01168	ug/L	09/11/10	04:02	
CCV	Zn	2527.04760	2526.15576	2527.93945	0.04991	ug/L	09/11/10	04:02	
CCV	2203/1	511.62414	508.91171	514.33660	0.74976	ug/L	09/11/10	04:02	
CCV	2203/2	507.87805	504.79766	510.95840	0.85774	ug/L	09/11/10	04:02	
CCV	1960/1	5097.25000	5092.81494	5101.68457	0.12304	ug/L	09/11/10	04:02	
CCV	1960/2	5033.56103	5014.20263	5052.91943	0.54388	ug/L	09/11/10	04:02	
CCV	Y	980.27770	983.22088	977.33447	0.42460		09/11/10	04:02	
CCB	Ag	0.22493	-0.04835	0.49823	171.82545	ug/L	09/11/10	04:08	
CCB	Al	-0.09223	-2.29938	2.11490	3384.00854	ug/L	09/11/10	04:08	
CCB	2Al	-0.00009	-0.00229	0.00211	3383.80126	mg/L	09/11/10	04:08	
CCB	As	-0.25218	-1.08801	0.58364	468.72174	ug/L	09/11/10	04:08	
CCB	B	-16.63752	-14.93199	-18.34305	14.49724	ug/L	09/11/10	04:08	
CCB	Ba	1.03253	0.07968	1.98538	130.50686	ug/L	09/11/10	04:08	
CCB	Be	0.11416	0.01489	0.21343	122.97391	ug/L	09/11/10	04:08	
CCB	Ca	7.07475	4.71075	9.43876	47.25540	ug/L	09/11/10	04:08	
CCB	Cd	0.14076	-0.00685	0.28837	148.30372	ug/L	09/11/10	04:08	
CCB	Co	-0.22310	-0.22101	-0.22519	1.32633	ug/L	09/11/10	04:08	
CCB	Cr	0.55324	-0.02064	1.12713	146.69924	ug/L	09/11/10	04:08	
CCB	Cu	0.37713	-0.54485	1.29912	345.73596	ug/L	09/11/10	04:08	
CCB	Fe	11.12488	-3.43813	25.68791	185.12747	ug/L	09/11/10	04:08	
CCB	2Fe	0.01112	-0.00343	0.02568	185.12812	mg/L	09/11/10	04:08	
CCB	K	9.85426	2.14659	17.56193	110.61492	ug/L	09/11/10	04:08	
CCB	Mg	0.00018	-1.62169	1.62206	1260867.00000	ug/L	09/11/10	04:08	
CCB	2Mg	0.00000	-0.00162	0.00161	167641.71875	mg/L	09/11/10	04:08	
CCB	Mn	0.89146	-0.03121	1.81415	146.37379	ug/L	09/11/10	04:08	
CCB	Mo	0.18444	1.04950	-0.68060	663.26611	ug/L	09/11/10	04:08	
CCB	Na	181.64857	129.64381	233.65333	40.48797	ug/L	09/11/10	04:08	
CCB	Ni	1.13007	0.77137	1.48878	44.88965	ug/L	09/11/10	04:08	
CCB	Pb	-0.46636	-1.27275	0.34002	244.53073	ug/L	09/11/10	04:08	
CCB	Se	-3.71993	-3.25228	-4.18758	17.77880	ug/L	09/11/10	04:08	
CCB	Sb	-0.89739	-2.17060	0.37580	200.64437	ug/L	09/11/10	04:08	
CCB	Sn	0.47111	1.30031	-0.35808	248.91406	ug/L	09/11/10	04:08	
CCB	Sr	0.40413	-0.04857	0.85683	158.41926	ug/L	09/11/10	04:08	
CCB	Ti	0.06368	-0.07535	0.20272	308.77648	ug/L	09/11/10	04:08	
CCB	Tl	3.32419	1.14571	5.50268	92.67931	ug/L	09/11/10	04:08	
CCB	V	0.92281	0.13277	1.71285	121.07292	ug/L	09/11/10	04:08	
CCB	Zn	0.17417	-0.30954	0.65789	392.75521	ug/L	09/11/10	04:08	
CCB	2203/1	3.76782	2.98603	4.54961	29.34367	ug/L	09/11/10	04:08	
CCB	2203/2	-2.58028	-3.39895	-1.76161	44.86988	ug/L	09/11/10	04:08	
CCB	1960/1	-0.00543	3.34761	-3.35848	87230.90625	ug/L	09/11/10	04:08	
CCB	1960/2	-5.57440	-6.54728	-4.60151	24.68182	ug/L	09/11/10	04:08	
CCB	Y	988.81811	989.75616	987.88000	0.13416		09/11/10	04:08	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP	Ag	10.29235	9.88947	10.69524	5.53575	ug/L	09/11/10	04:13	
RL ICP	Al	218.43324	213.86944	222.99703	2.95476	ug/L	09/11/10	04:13	
RL ICP	2Al	0.21843	0.21387	0.22300	2.95476	mg/L	09/11/10	04:13	
RL ICP	As	21.74943	22.79398	20.70487	6.79199	ug/L	09/11/10	04:13	
RL ICP	B	80.19555	79.60099	80.79012	1.04848	ug/L	09/11/10	04:13	
RL ICP	Ba	10.86415	10.60276	11.12554	3.40261	ug/L	09/11/10	04:13	
RL ICP	Be	4.07621	4.04001	4.11241	1.25592	ug/L	09/11/10	04:13	
RL ICP	Ca	527.63421	527.23138	528.03704	0.10797	ug/L	09/11/10	04:13	
RL ICP	Cd	5.41306	5.43065	5.39548	0.45951	ug/L	09/11/10	04:13	
RL ICP	Co	9.76771	9.82156	9.71387	0.77957	ug/L	09/11/10	04:13	
RL ICP	Cr	9.58992	9.61005	9.56979	0.29683	ug/L	09/11/10	04:13	
RL ICP	Cu	22.51064	22.17206	22.84923	2.12715	ug/L	09/11/10	04:13	
RL ICP	Fe	52.91598	48.03110	57.80085	13.05513	ug/L	09/11/10	04:13	
RL ICP	2Fe	0.05291	0.04802	0.05779	13.05426	mg/L	09/11/10	04:13	
RL ICP	K	1058.45471	1054.36523	1062.54418	0.54639	ug/L	09/11/10	04:13	
RL ICP	Mg	524.71948	523.54937	525.88958	0.31536	ug/L	09/11/10	04:13	
RL ICP	2Mg	0.52456	0.52339	0.52573	0.31517	mg/L	09/11/10	04:13	
RL ICP	Mn	10.51027	10.24635	10.77420	3.55121	ug/L	09/11/10	04:13	
RL ICP	Mo	8.27964	8.51519	8.04410	4.02322	ug/L	09/11/10	04:13	
RL ICP	Na	1073.48986	1097.66564	1049.31408	3.18491	ug/L	09/11/10	04:13	
RL ICP	Ni	41.90853	41.33062	42.48644	1.95017	ug/L	09/11/10	04:13	
RL ICP	Pb	10.27412	8.55426	11.99397	23.67350	ug/L	09/11/10	04:13	
RL ICP	Se	16.61318	15.83822	17.38815	6.59695	ug/L	09/11/10	04:13	
RL ICP	Sb	21.85781	20.82591	22.88971	6.67647	ug/L	09/11/10	04:13	
RL ICP	Sn	49.67974	50.51979	48.83971	2.39130	ug/L	09/11/10	04:13	
RL ICP	Sr	10.86080	10.75215	10.96945	1.41471	ug/L	09/11/10	04:13	
RL ICP	Ti	10.51705	10.33044	10.70367	2.50942	ug/L	09/11/10	04:13	
RL ICP	Tl	24.34411	25.01952	23.66869	3.92368	ug/L	09/11/10	04:13	
RL ICP	V	9.89529	9.25736	10.53323	9.11721	ug/L	09/11/10	04:13	
RL ICP	Zn	21.86103	21.70598	22.01609	1.00306	ug/L	09/11/10	04:13	
RL ICP	2203/1	11.29754	11.47292	11.12215	2.19542	ug/L	09/11/10	04:13	
RL ICP	2203/2	9.76317	7.09712	12.42923	38.61829	ug/L	09/11/10	04:13	
RL ICP	1960/1	20.73452	16.48596	24.98309	28.97766	ug/L	09/11/10	04:13	
RL ICP	1960/2	14.55560	15.51484	13.59637	9.31986	ug/L	09/11/10	04:13	
RL ICP	Y	970.27545	972.44085	968.11004	0.31561		09/11/10	04:13	
ICSA	Ag	-0.28085	-0.49915	-0.06255	109.92277	ug/L	09/11/10	04:18	
ICSA	Al	542697.37500	543052.12500	542342.62500	0.09244	ug/L	09/11/10	04:18	
ICSA	2Al	542.67126	543.03466	542.30780	0.09471	mg/L	09/11/10	04:18	
ICSA	As	1.03875	4.20856	-2.13105	431.55310	ug/L	09/11/10	04:18	
ICSA	B	-10.95383	-10.87084	-11.03682	1.07141	ug/L	09/11/10	04:18	
ICSA	Ba	0.80068	0.88170	0.71966	14.30979	ug/L	09/11/10	04:18	
ICSA	Be	0.08657	0.09546	0.07768	14.52527	ug/L	09/11/10	04:18	
ICSA	Ca	533808.50000	534047.50000	533569.56250	0.06330	ug/L	09/11/10	04:18	
ICSA	Cd	0.18221	0.71784	-0.35341	415.71560	ug/L	09/11/10	04:18	
ICSA	Co	0.21029	0.24542	0.17516	23.62263	ug/L	09/11/10	04:18	
ICSA	Cr	1.14421	1.02743	1.26098	14.43292	ug/L	09/11/10	04:18	
ICSA	Cu	1.59492	1.96123	1.22862	32.48004	ug/L	09/11/10	04:18	
ICSA	Fe	200293.40625	200324.14062	200262.68750	0.02169	ug/L	09/11/10	04:18	
ICSA	2Fe	200.25329	200.28721	200.21936	0.02396	mg/L	09/11/10	04:18	
ICSA	K	4.04938	5.24760	2.85116	41.84674	ug/L	09/11/10	04:18	
ICSA	Mg	541075.81250	541435.43750	540716.18750	0.09399	ug/L	09/11/10	04:18	
ICSA	2Mg	540.84698	541.21539	540.47857	0.09633	mg/L	09/11/10	04:18	
ICSA	Mn	-1.33119	-1.42451	-1.23787	9.91420	ug/L	09/11/10	04:18	
ICSA	Mo	-0.98445	0.20820	-2.17711	171.33110	ug/L	09/11/10	04:18	
ICSA	Na	218.71495	261.57266	175.85723	27.71184	ug/L	09/11/10	04:18	
ICSA	Ni	-0.21965	-1.08636	0.64706	558.02868	ug/L	09/11/10	04:18	
ICSA	Pb	-4.51791	-4.37562	-4.66020	4.45388	ug/L	09/11/10	04:18	
ICSA	Se	1.11482	6.58533	-4.35568	693.96240	ug/L	09/11/10	04:18	
ICSA	Sb	8.13164	4.92177	11.34151	55.82441	ug/L	09/11/10	04:18	
ICSA	Sn	4.06744	6.70051	1.43438	91.54928	ug/L	09/11/10	04:18	
ICSA	Sr	2.44408	2.45068	2.43748	0.38202	ug/L	09/11/10	04:18	
ICSA	Ti	1.76043	1.85675	1.66411	7.73788	ug/L	09/11/10	04:18	
ICSA	Tl	-2.71561	-2.17140	-3.25981	28.34083	ug/L	09/11/10	04:18	
ICSA	V	-6.04517	-5.91232	-6.17802	3.10783	ug/L	09/11/10	04:18	
ICSA	Zn	4.86373	5.24255	4.48492	11.01471	ug/L	09/11/10	04:18	
ICSA	2203/1	27.22058	24.37541	30.06574	14.78171	ug/L	09/11/10	04:18	
ICSA	2203/2	-20.36337	-18.72960	-21.99714	11.34636	ug/L	09/11/10	04:18	
ICSA	1960/1	5.74000	7.80983	3.67018	50.99598	ug/L	09/11/10	04:18	
ICSA	1960/2	-1.19429	5.97399	-8.36259	848.82421	ug/L	09/11/10	04:18	
ICSA	Y	898.25854	898.30157	898.21557	0.00676		09/11/10	04:18	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB	Ag	220.69091	220.95631	220.42552	0.17006	ug/L	09/11/10	04:24	
ICSAB	Al	538991.37500	538753.93750	539228.81250	0.06229	ug/L	09/11/10	04:24	
ICSAB	2Al	538.99975	538.76409	539.23541	0.06183	mg/L	09/11/10	04:24	
ICSAB	As	102.20661	101.09446	103.31877	1.53886	ug/L	09/11/10	04:24	
ICSAB	B	-11.78452	-11.97829	-11.59076	2.32531	ug/L	09/11/10	04:24	
ICSAB	Ba	539.92687	539.32110	540.53259	0.15866	ug/L	09/11/10	04:24	
ICSAB	Be	525.77111	525.11224	526.42993	0.17721	ug/L	09/11/10	04:24	
ICSAB	Ca	532271.87500	531545.81250	532998.00000	0.19291	ug/L	09/11/10	04:24	
ICSAB	Cd	997.32788	996.00787	998.64788	0.18717	ug/L	09/11/10	04:24	
ICSAB	Co	495.56594	494.47341	496.65847	0.31177	ug/L	09/11/10	04:24	
ICSAB	Cr	503.41015	502.88040	503.93988	0.14881	ug/L	09/11/10	04:24	
ICSAB	Cu	561.63311	561.05786	562.20837	0.14485	ug/L	09/11/10	04:24	
ICSAB	Fe	199467.48437	199361.31250	199573.65625	0.07527	ug/L	09/11/10	04:24	
ICSAB	2Fe	199.44049	199.33499	199.54597	0.07480	mg/L	09/11/10	04:24	
ICSAB	K	13.98210	17.12719	10.83700	31.81092	ug/L	09/11/10	04:24	
ICSAB	Mg	539356.62500	538717.75000	539995.50000	0.16751	ug/L	09/11/10	04:24	
ICSAB	2Mg	539.16418	538.52722	539.80108	0.16706	mg/L	09/11/10	04:24	
ICSAB	Mn	510.72045	510.18344	511.25750	0.14870	ug/L	09/11/10	04:24	
ICSAB	Mo	1014.00878	1012.94818	1015.06939	0.14792	ug/L	09/11/10	04:24	
ICSAB	Na	235.39312	228.02705	242.75921	4.42545	ug/L	09/11/10	04:24	
ICSAB	Ni	985.83435	984.70684	986.96191	0.16174	ug/L	09/11/10	04:24	
ICSAB	Pb	46.09119	47.45156	44.73081	4.17402	ug/L	09/11/10	04:24	
ICSAB	Se	55.99243	52.84477	59.14009	7.95011	ug/L	09/11/10	04:24	
ICSAB	Sb	652.30859	654.58087	650.03637	0.49262	ug/L	09/11/10	04:24	
ICSAB	Sn	1014.76416	1016.18170	1013.34661	0.19755	ug/L	09/11/10	04:24	
ICSAB	Sr	2.40984	2.43287	2.38682	1.35099	ug/L	09/11/10	04:24	
ICSAB	Ti	1.80764	1.81766	1.79761	0.78412	ug/L	09/11/10	04:24	
ICSAB	Tl	97.84339	92.48257	103.20422	7.74845	ug/L	09/11/10	04:24	
ICSAB	V	512.63635	512.22949	513.04327	0.11224	ug/L	09/11/10	04:24	
ICSAB	Zn	1001.73107	1001.01037	1002.45178	0.10174	ug/L	09/11/10	04:24	
ICSAB	2203/1	78.61282	77.44314	79.78249	2.10419	ug/L	09/11/10	04:24	
ICSAB	2203/2	29.85475	32.47825	27.23125	12.42747	ug/L	09/11/10	04:24	
ICSAB	1960/1	55.08216	51.48056	58.68377	9.24698	ug/L	09/11/10	04:24	
ICSAB	1960/2	56.44688	53.52585	59.36791	7.31831	ug/L	09/11/10	04:24	
ICSAB	Y	898.45788	899.81811	897.09771	0.21410		09/11/10	04:24	
CCV	Ag	509.08187	510.71801	507.44573	0.45451	ug/L	09/11/10	04:31	
CCV	Al	5173.20068	5141.77929	5204.62207	0.85897	ug/L	09/11/10	04:31	
CCV	2Al	5.17310	5.14187	5.20433	0.85377	mg/L	09/11/10	04:31	
CCV	As	506.09289	510.78024	501.40557	1.30981	ug/L	09/11/10	04:31	
CCV	B	5030.65478	5033.88085	5027.42871	0.09069	ug/L	09/11/10	04:31	
CCV	Ba	5152.34765	5162.24609	5142.44970	0.27168	ug/L	09/11/10	04:31	
CCV	Be	502.07678	503.75335	500.40020	0.47224	ug/L	09/11/10	04:31	
CCV	Ca	5079.99316	5059.60791	5100.37890	0.56750	ug/L	09/11/10	04:31	
CCV	Cd	498.56845	498.58386	498.55303	0.00437	ug/L	09/11/10	04:31	
CCV	Co	504.31076	505.88586	502.73565	0.44169	ug/L	09/11/10	04:31	
CCV	Cr	5038.30078	5050.53759	5026.06396	0.34347	ug/L	09/11/10	04:31	
CCV	Cu	5121.49707	5126.89794	5116.09619	0.14913	ug/L	09/11/10	04:31	
CCV	Fe	5087.05468	5103.85253	5070.25732	0.46697	ug/L	09/11/10	04:31	
CCV	2Fe	5.08705	5.10385	5.07025	0.46696	mg/L	09/11/10	04:31	
CCV	K	10344.24218	10365.77832	10322.70703	0.29442	ug/L	09/11/10	04:31	
CCV	Mg	5098.25878	5077.68701	5118.83007	0.57063	ug/L	09/11/10	04:31	
CCV	2Mg	5.09825	5.07768	5.11881	0.57037	mg/L	09/11/10	04:31	
CCV	Mn	5079.52294	5093.34619	5065.69970	0.38485	ug/L	09/11/10	04:31	
CCV	Mo	500.67169	499.80749	501.53591	0.24410	ug/L	09/11/10	04:31	
CCV	Na	7524.50585	7615.35302	7433.65917	1.70744	ug/L	09/11/10	04:31	
CCV	Ni	2531.79736	2535.02441	2528.57055	0.18025	ug/L	09/11/10	04:31	
CCV	Pb	506.31256	508.97924	503.64587	0.74484	ug/L	09/11/10	04:31	
CCV	Se	5032.49218	5052.38330	5012.60156	0.55896	ug/L	09/11/10	04:31	
CCV	Sb	510.17468	506.36361	513.98571	1.05643	ug/L	09/11/10	04:31	
CCV	Sn	5024.94873	5039.47119	5010.42626	0.40871	ug/L	09/11/10	04:31	
CCV	Sr	2579.49267	2586.88085	2572.10424	0.40506	ug/L	09/11/10	04:31	
CCV	Ti	508.40527	509.33905	507.47149	0.25974	ug/L	09/11/10	04:31	
CCV	Tl	5029.69140	5041.46679	5017.91601	0.33109	ug/L	09/11/10	04:31	
CCV	V	5095.57128	5106.90722	5084.23535	0.31461	ug/L	09/11/10	04:31	
CCV	Zn	2507.18017	2515.34716	2499.01293	0.46067	ug/L	09/11/10	04:31	
CCV	2203/1	507.27746	510.35363	504.20129	0.85759	ug/L	09/11/10	04:31	
CCV	2203/2	505.82626	508.28845	503.36407	0.68839	ug/L	09/11/10	04:31	
CCV	1960/1	5063.10742	5082.43652	5043.77832	0.53989	ug/L	09/11/10	04:31	
CCV	1960/2	5017.20800	5037.37939	4997.03662	0.56857	ug/L	09/11/10	04:31	
CCV	Y	977.86608	977.13122	978.60089	0.10627		09/11/10	04:31	

D091010

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.29449	-0.14440	-0.44458	72.07747	ug/L	09/11/10	04:36	
CCB	Al	0.21588	-7.94570	8.37747	5346.42138	ug/L	09/11/10	04:36	
CCB	2Al	0.00021	-0.00794	0.00837	5346.55566	mg/L	09/11/10	04:36	
CCB	As	-2.74944	-3.84432	-1.65456	56.31666	ug/L	09/11/10	04:36	
CCB	B	-15.94073	-14.65159	-17.22988	11.43686	ug/L	09/11/10	04:36	
CCB	Ba	0.85029	0.00252	1.69806	141.00144	ug/L	09/11/10	04:36	
CCB	Be	0.10916	0.03293	0.18540	98.75472	ug/L	09/11/10	04:36	
CCB	Ca	13.18087	5.83270	20.52903	78.84060	ug/L	09/11/10	04:36	
CCB	Cd	0.04006	0.09079	-0.01065	179.03439	ug/L	09/11/10	04:36	
CCB	Co	-0.31249	0.16477	-0.78975	215.98924	ug/L	09/11/10	04:36	
CCB	Cr	0.75857	0.07176	1.44538	128.04183	ug/L	09/11/10	04:36	
CCB	Cu	0.75401	0.24896	1.25906	94.72657	ug/L	09/11/10	04:36	
CCB	Fe	7.16106	0.06046	14.26167	140.22734	ug/L	09/11/10	04:36	
CCB	2Fe	0.00716	0.00006	0.01425	140.22665	mg/L	09/11/10	04:36	
CCB	K	3.80303	0.59508	7.01098	119.29219	ug/L	09/11/10	04:36	
CCB	Mg	8.13746	1.60307	14.67184	113.56140	ug/L	09/11/10	04:36	
CCB	2Mg	0.00813	0.00160	0.01466	113.55933	mg/L	09/11/10	04:36	
CCB	Mn	0.78180	-0.10500	1.66862	160.41661	ug/L	09/11/10	04:36	
CCB	Mo	-0.19698	-1.11023	0.71626	655.64593	ug/L	09/11/10	04:36	
CCB	Na	182.39268	90.66333	274.12203	71.12396	ug/L	09/11/10	04:36	
CCB	Ni	-0.14499	-0.73625	0.44626	576.68646	ug/L	09/11/10	04:36	
CCB	Pb	-0.16574	-0.08378	-0.24770	69.93267	ug/L	09/11/10	04:36	
CCB	Se	3.50920	1.70468	5.31372	72.72248	ug/L	09/11/10	04:36	
CCB	Sb	1.48587	1.92063	1.05111	41.37878	ug/L	09/11/10	04:36	
CCB	Sn	1.27313	1.40120	1.14506	14.22623	ug/L	09/11/10	04:36	
CCB	Sr	0.37883	-0.05985	0.81752	163.76502	ug/L	09/11/10	04:36	
CCB	Ti	-0.07859	-0.07838	-0.07880	0.37711	ug/L	09/11/10	04:36	
CCB	Tl	4.35018	0.35074	8.34962	130.01890	ug/L	09/11/10	04:36	
CCB	V	0.35860	-0.17572	0.89294	210.72186	ug/L	09/11/10	04:36	
CCB	Zn	-0.06273	-0.72521	0.59974	1493.40124	ug/L	09/11/10	04:36	
CCB	2203/1	0.51281	-1.88727	2.91289	661.88757	ug/L	09/11/10	04:36	
CCB	2203/2	-0.50451	0.81660	-1.82563	370.32666	ug/L	09/11/10	04:36	
CCB	1960/1	6.51370	3.13699	9.89041	73.31291	ug/L	09/11/10	04:36	
CCB	1960/2	2.00920	0.98959	3.02881	71.76683	ug/L	09/11/10	04:36	
CCB	Y	978.94482	979.81256	978.07714	0.12535		09/11/10	04:36	

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	HIGH STD 00034	D091810	2PTTR2	09/18/10	09:11	BR	S	CONC
2	ICV 00190	D091810	2PTTR2	09/18/10	09:20	BR	S	CONC
3	ICB	D091810	2PTTR2	09/18/10	09:27	BR	S	CONC
4	RL ICP 00045	D091810	2PTTR2	09/18/10	09:35	BR	S	CONC
5	RL ICP 00045	D091810	2PTTR2	09/18/10	09:48	BR	S	CONC
6	ICSA61 00022	D091810	2PTTR2	09/18/10	09:53	BR	S	CONC
7	ICSAB61 00038	D091810	2PTTR2	09/18/10	10:05	BR	S	CONC
8	CCV 00072	D091810	2PTTR2	09/18/10	10:13	BR	S	CONC
9	CCB	D091810	2PTTR2	09/18/10	10:21	BR	S	CONC
10	PBS 180221	D091810	2PTTR2	09/18/10	11:14	BR	S	CONC
11	LCSS-1	D091810	2PTTR2	09/18/10	11:19	BR	S	CONC
12	61154-1	D091810	2PTTR2	09/18/10	11:24	BR	S	CONC
13	61154-1L	D091810	2PTTR2	09/18/10	11:30	BR	S	CONC
14	61154-1A	D091810	2PTTR2	09/18/10	11:35	BR	S	CONC
15	61154-1S	D091810	2PTTR2	09/18/10	11:40	BR	S	CONC
16	61154-1SD	D091810	2PTTR2	09/18/10	11:45	BR	S	CONC
17	CCV	D091810	2PTTR2	09/18/10	11:50	BR	S	CONC
18	CCB	D091810	2PTTR2	09/18/10	11:55	BR	S	CONC
19	PBS 180131	D091810	2PTTR2	09/18/10	12:01	BR	S	CONC
20	LCSS-1	D091810	2PTTR2	09/18/10	12:06	BR	S	CONC
21	61109-1	D091810	2PTTR2	09/18/10	12:11	BR	S	CONC
22	61109-2	D091810	2PTTR2	09/18/10	12:16	BR	S	CONC
23	61109-2L	D091810	2PTTR2	09/18/10	12:21	BR	S	CONC
24	61109-2A	D091810	2PTTR2	09/18/10	12:26	BR	S	CONC
25	61109-2S	D091810	2PTTR2	09/18/10	12:31	BR	S	CONC
26	61109-2SD	D091810	2PTTR2	09/18/10	12:37	BR	S	CONC
27	61109-3	D091810	2PTTR2	09/18/10	12:42	BR	S	CONC
28	61109-4	D091810	2PTTR2	09/18/10	12:47	BR	S	CONC
29	CCV	D091810	2PTTR2	09/18/10	12:52	BR	S	CONC
30	CCB	D091810	2PTTR2	09/18/10	12:57	BR	S	CONC
31	60987-4	D091810	2PTTR2	09/18/10	13:02	BR	S	CONC
32	60987-5	D091810	2PTTR2	09/18/10	13:07	BR	S	CONC
33	60987-6	D091810	2PTTR2	09/18/10	13:13	BR	S	CONC
34	60987-6S	D091810	2PTTR2	09/18/10	13:18	BR	S	CONC
35	60987-6SD	D091810	2PTTR2	09/18/10	13:23	BR	S	CONC
36	PBS 179451	D091810	2PTTR2	09/18/10	13:28	BR	S	CONC
37	LCSS-1	D091810	2PTTR2	09/18/10	13:33	BR	S	CONC
38	60980-1	D091810	2PTTR2	09/18/10	13:38	BR	S	CONC
39	60980-1L	D091810	2PTTR2	09/18/10	13:44	BR	S	CONC
40	60980-1A	D091810	2PTTR2	09/18/10	13:49	BR	S	CONC
41	CCV	D091810	2PTTR2	09/18/10	13:54	BR	S	CONC
42	CCB	D091810	2PTTR2	09/18/10	13:59	BR	S	CONC
43	60980-1S	D091810	2PTTR2	09/18/10	14:04	BR	S	CONC
44	60980-1SD	D091810	2PTTR2	09/18/10	14:09	BR	S	CONC
45	60980-2	D091810	2PTTR2	09/18/10	14:14	BR	S	CONC
46	60980-3	D091810	2PTTR2	09/18/10	14:20	BR	S	CONC
47	60980-4	D091810	2PTTR2	09/18/10	14:25	BR	S	CONC
48	60980-5	D091810	2PTTR2	09/18/10	14:30	BR	S	CONC
49	60980-6	D091810	2PTTR2	09/18/10	14:35	BR	S	CONC
50	60980-7	D091810	2PTTR2	09/18/10	14:40	BR	S	CONC
51	60980-8	D091810	2PTTR2	09/18/10	14:45	BR	S	CONC
52	60980-9	D091810	2PTTR2	09/18/10	14:50	BR	S	CONC
53	CCV	D091810	2PTTR2	09/18/10	14:56	BR	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	CCB	D091810	2PTTR2	09/18/10	15:01	BR	S	CONC
55	60980-10	D091810	2PTTR2	09/18/10	15:06	BR	S	CONC
56	60961-1	D091810	2PTTR2	09/18/10	15:11	BR	S	CONC
57	60961-2	D091810	2PTTR2	09/18/10	15:16	BR	S	CONC
58	60961-3	D091810	2PTTR2	09/18/10	15:21	BR	S	CONC
59	60920-1	D091810	2PTTR2	09/18/10	15:27	BR	S	CONC
60	60920-1 1/20	D091810	2PTTR2	09/18/10	15:32	BR	S	CONC
61	60920-1 1/100	D091810	2PTTR2	09/18/10	15:37	BR	S	CONC
62	61005-1	D091810	2PTTR2	09/18/10	15:42	BR	S	CONC
63	61005-2	D091810	2PTTR2	09/18/10	15:47	BR	S	CONC
64	CCV	D091810	2PTTR2	09/18/10	15:52	BR	S	CONC
65	CCB	D091810	2PTTR2	09/18/10	15:58	BR	S	CONC
66	60870-2	D091810	2PTTR2	09/18/10	16:03	BR	S	CONC
67	60869-4	D091810	2PTTR2	09/18/10	16:08	BR	S	CONC
68	60975-1	D091810	2PTTR2	09/18/10	16:13	BR	S	CONC
69	PBW 179540	D091810	2PTTR2	09/18/10	16:18	BR	S	CONC
70	LCSW-1	D091810	2PTTR2	09/18/10	16:23	BR	S	CONC
71	60986-1	D091810	2PTTR2	09/18/10	16:28	BR	S	CONC
72	60986-1S	D091810	2PTTR2	09/18/10	16:34	BR	S	CONC
73	60986-1SD	D091810	2PTTR2	09/18/10	16:39	BR	S	CONC
74	60994-1	D091810	2PTTR2	09/18/10	16:44	BR	S	CONC
75	60994-1L	D091810	2PTTR2	09/18/10	16:49	BR	S	CONC
76	CCV	D091810	2PTTR2	09/18/10	16:54	BR	S	CONC
77	CCB	D091810	2PTTR2	09/18/10	16:59	BR	S	CONC
78	60994-1A	D091810	2PTTR2	09/18/10	17:05	BR	S	CONC
79	60944-2	D091810	2PTTR2	09/18/10	17:10	BR	S	CONC
80	61012-1	D091810	2PTTR2	09/18/10	17:15	BR	S	CONC
81	61012-2	D091810	2PTTR2	09/18/10	17:20	BR	S	CONC
82	61012-9	D091810	2PTTR2	09/18/10	17:25	BR	S	CONC
83	60994-1	D091810	2PTTR2	09/18/10	17:30	BR	S	CONC
84	60994-2	D091810	2PTTR2	09/18/10	17:35	BR	S	CONC
85	CCV	D091810	2PTTR2	09/18/10	17:41	BR	S	CONC
86	CCB	D091810	2PTTR2	09/18/10	17:46	BR	S	CONC
87	PBW 179845	D091810	2PTTR2	09/18/10	17:51	BR	S	CONC
88	LCSW-1	D091810	2PTTR2	09/18/10	17:56	BR	S	CONC
89	60917-5	D091810	2PTTR2	09/18/10	18:01	BR	S	CONC
90	60917-5S	D091810	2PTTR2	09/18/10	18:06	BR	S	CONC
91	60917-5SD	D091810	2PTTR2	09/18/10	18:12	BR	S	CONC
92	61093-1	D091810	2PTTR2	09/18/10	18:17	BR	S	CONC
93	61093-1L	D091810	2PTTR2	09/18/10	18:22	BR	S	CONC
94	61093-1A	D091810	2PTTR2	09/18/10	18:27	BR	S	CONC
95	CCV	D091810	2PTTR2	09/18/10	18:32	BR	S	CONC
96	CCB	D091810	2PTTR2	09/18/10	18:37	BR	S	CONC
97	PBW 179840	D091810	2PTTR2	09/18/10	18:43	BR	S	CONC
98	LCSW-1	D091810	2PTTR2	09/18/10	18:48	BR	S	CONC
99	61032-1	D091810	2PTTR2	09/18/10	18:53	BR	S	CONC
100	61032-1L	D091810	2PTTR2	09/18/10	18:58	BR	S	CONC
101	61032-1A	D091810	2PTTR2	09/18/10	19:03	BR	S	CONC
102	61032-1S	D091810	2PTTR2	09/18/10	19:08	BR	S	CONC
103	61032-1SD	D091810	2PTTR2	09/18/10	19:14	BR	S	CONC
104	61031-3	D091810	2PTTR2	09/18/10	19:19	BR	S	CONC
105	61052-1	D091810	2PTTR2	09/18/10	19:24	BR	S	CONC
106	61052-1S	D091810	2PTTR2	09/18/10	19:29	BR	S	CONC
107	CCV	D091810	2PTTR2	09/18/10	19:34	BR	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	CCB	D091810	2PTTR2	09/18/10	19:39	BR	S	CONC
109	61052-1SD	D091810	2PTTR2	09/18/10	19:45	BR	S	CONC
110	61052-2	D091810	2PTTR2	09/18/10	19:50	BR	S	CONC
111	61056-1	D091810	2PTTR2	09/18/10	19:55	BR	S	CONC
112	61067-1	D091810	2PTTR2	09/18/10	20:00	BR	S	CONC
113	61093-1	D091810	2PTTR2	09/18/10	20:05	BR	S	CONC
114	61096-1	D091810	2PTTR2	09/18/10	20:10	BR	S	CONC
115	61065-1	D091810	2PTTR2	09/18/10	20:16	BR	S	CONC
116	61123-1	D091810	2PTTR2	09/18/10	20:21	BR	S	CONC
117	61124-1	D091810	2PTTR2	09/18/10	20:26	BR	S	CONC
118	61124-2	D091810	2PTTR2	09/18/10	20:31	BR	S	CONC
119	CCV	D091810	2PTTR2	09/18/10	20:36	BR	S	CONC
120	CCB	D091810	2PTTR2	09/18/10	20:41	BR	S	CONC
121	61124-4	D091810	2PTTR2	09/18/10	20:47	BR	S	CONC
122	61173-1	D091810	2PTTR2	09/18/10	20:52	BR	S	CONC
123	61181-1	D091810	2PTTR2	09/18/10	20:57	BR	S	CONC
124	61181-2	D091810	2PTTR2	09/18/10	21:02	BR	S	CONC
125	PBW 179841	D091810	2PTTR2	09/18/10	21:07	BR	S	CONC
126	LCSW-1	D091810	2PTTR2	09/18/10	21:12	BR	S	CONC
127	61090-1	D091810	2PTTR2	09/18/10	21:18	BR	S	CONC
128	61093-1	D091810	2PTTR2	09/18/10	21:23	BR	S	CONC
129	61130-1	D091810	2PTTR2	09/18/10	21:28	BR	S	CONC
130	61130-1L	D091810	2PTTR2	09/18/10	21:33	BR	S	CONC
131	CCV	D091810	2PTTR2	09/18/10	21:38	BR	S	CONC
132	CCB	D091810	2PTTR2	09/18/10	21:43	BR	S	CONC
133	61130-1A	D091810	2PTTR2	09/18/10	21:49	BR	S	CONC
134	61130-1S	D091810	2PTTR2	09/18/10	21:54	BR	S	CONC
135	61130-1SD	D091810	2PTTR2	09/18/10	21:59	BR	S	CONC
136	61130-2	D091810	2PTTR2	09/18/10	22:04	BR	S	CONC
137	61130-3	D091810	2PTTR2	09/18/10	22:09	BR	S	CONC
138	61150-1	D091810	2PTTR2	09/18/10	22:14	BR	S	CONC
139	61150-7	D091810	2PTTR2	09/18/10	22:20	BR	S	CONC
140	PBW 180019	D091810	2PTTR2	09/18/10	22:25	BR	S	CONC
141	LCSW-1	D091810	2PTTR2	09/18/10	22:30	BR	S	CONC
142	RL LCSW-1	D091810	2PTTR2	09/18/10	22:35	BR	S	CONC
143	CCV	D091810	2PTTR2	09/18/10	22:40	BR	S	CONC
144	CCB	D091810	2PTTR2	09/18/10	22:45	BR	S	CONC
145	61177-1	D091810	2PTTR2	09/18/10	22:51	BR	S	CONC
146	61177-1L	D091810	2PTTR2	09/18/10	22:56	BR	S	CONC
147	61177-1A	D091810	2PTTR2	09/18/10	23:01	BR	S	CONC
148	61177-1S	D091810	2PTTR2	09/18/10	23:06	BR	S	CONC
149	61177-1SD	D091810	2PTTR2	09/18/10	23:11	BR	S	CONC
150	61061-1	D091810	2PTTR2	09/18/10	23:17	BR	S	CONC
151	61061-2	D091810	2PTTR2	09/18/10	23:22	BR	S	CONC
152	61061-3	D091810	2PTTR2	09/18/10	23:27	BR	S	CONC
153	61121-1	D091810	2PTTR2	09/18/10	23:32	BR	S	CONC
154	61121-3	D091810	2PTTR2	09/18/10	23:37	BR	S	CONC
155	CCV	D091810	2PTTR2	09/18/10	23:42	BR	S	CONC
156	CCB	D091810	2PTTR2	09/18/10	23:48	BR	S	CONC
157	61122-1	D091810	2PTTR2	09/18/10	23:53	BR	S	CONC
158	21993-1	D091810	2PTTR2	09/18/10	23:58	BR	S	CONC
159	21993-2	D091810	2PTTR2	09/19/10	00:03	BR	S	CONC
160	61061-1 1/20	D091810	2PTTR2	09/19/10	00:08	BR	S	CONC
161	61061-2 1/20	D091810	2PTTR2	09/19/10	00:13	BR	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
162	61061-3 1/20	D091810	2PTTR2	09/19/10	00:19	BR	S	CONC
163	61121-1 1/20	D091810	2PTTR2	09/19/10	00:24	BR	S	CONC
164	61121-3 1/20	D091810	2PTTR2	09/19/10	00:29	BR	S	CONC
165	61122-1 1/20	D091810	2PTTR2	09/19/10	00:34	BR	S	CONC
166	CCV	D091810	2PTTR2	09/19/10	00:39	BR	S	CONC
167	CCB	D091810	2PTTR2	09/19/10	00:45	BR	S	CONC
168	PBW 180017	D091810	2PTTR2	09/19/10	00:50	BR	S	CONC
169	LCSW-1	D091810	2PTTR2	09/19/10	00:55	BR	S	CONC
170	RL LCSW-1	D091810	2PTTR2	09/19/10	01:00	BR	S	CONC
171	29873-9 1/10	D091810	2PTTR2	09/19/10	01:05	BR	S	CONC
172	29873-15 1/10	D091810	2PTTR2	09/19/10	01:11	BR	S	CONC
173	29873-16 1/10	D091810	2PTTR2	09/19/10	01:16	BR	S	CONC
174	61112-1	D091810	2PTTR2	09/19/10	01:21	BR	S	CONC
175	61112-1L	D091810	2PTTR2	09/19/10	01:26	BR	S	CONC
176	61112-1A	D091810	2PTTR2	09/19/10	01:31	BR	S	CONC
177	61112-1S	D091810	2PTTR2	09/19/10	01:36	BR	S	CONC
178	CCV	D091810	2PTTR2	09/19/10	01:42	BR	S	CONC
179	CCB	D091810	2PTTR2	09/19/10	01:47	BR	S	CONC
180	61112-1SD	D091810	2PTTR2	09/19/10	01:52	BR	S	CONC
181	CCV	D091810	2PTTR2	09/19/10	01:57	BR	S	CONC
182	CCB	D091810	2PTTR2	09/19/10	02:02	BR	S	CONC
183	PBW 180163	D091810	2PTTR2	09/19/10	02:08	BR	S	CONC
184	LCSW-1	D091810	2PTTR2	09/19/10	02:13	BR	S	CONC
185	LCSD	D091810	2PTTR2	09/19/10	02:18	BR	S	CONC
186	61291-1	D091810	2PTTR2	09/19/10	02:23	BR	S	CONC
187	61291-2	D091810	2PTTR2	09/19/10	02:28	BR	S	CONC
188	61291-3	D091810	2PTTR2	09/19/10	02:34	BR	S	CONC
189	61291-4	D091810	2PTTR2	09/19/10	02:39	BR	S	CONC
190	61291-5	D091810	2PTTR2	09/19/10	02:44	BR	S	CONC
191	61291-5L	D091810	2PTTR2	09/19/10	02:49	BR	S	CONC
192	61291-5A	D091810	2PTTR2	09/19/10	02:54	BR	S	CONC
193	CCV	D091810	2PTTR2	09/19/10	02:59	BR	S	CONC
194	CCB	D091810	2PTTR2	09/19/10	03:05	BR	S	CONC
195	61291-5S	D091810	2PTTR2	09/19/10	03:10	BR	S	CONC
196	61291-5SD	D091810	2PTTR2	09/19/10	03:15	BR	S	CONC
197	61291-6	D091810	2PTTR2	09/19/10	03:20	BR	S	CONC
198	61291-7	D091810	2PTTR2	09/19/10	03:25	BR	S	CONC
199	61291-8	D091810	2PTTR2	09/19/10	03:31	BR	S	CONC
200	61291-9	D091810	2PTTR2	09/19/10	03:36	BR	S	CONC
201	61291-10	D091810	2PTTR2	09/19/10	03:41	BR	S	CONC
202	CCV	D091810	2PTTR2	09/19/10	03:46	BR	S	CONC
203	CCB	D091810	2PTTR2	09/19/10	03:51	BR	S	CONC
204	61322-1 180221	D091810	2PTTR2	09/19/10	03:57	BR	S	CONC
205	61322-2	D091810	2PTTR2	09/19/10	04:02	BR	S	CONC
206	61322-3	D091810	2PTTR2	09/19/10	04:07	BR	S	CONC
207	61322-4	D091810	2PTTR2	09/19/10	04:12	BR	S	CONC
208	61283-1	D091810	2PTTR2	09/19/10	04:17	BR	S	CONC
209	CCV	D091810	2PTTR2	09/19/10	04:22	BR	S	CONC
210	CCB	D091810	2PTTR2	09/19/10	04:28	BR	S	CONC
211	CCV	D091810	2PTTR2	09/19/10	07:08	BR	S	CONC
212	CCB	D091810	2PTTR2	09/19/10	07:15	BR	S	CONC
213	PBS 180221	D091810	2PTTR2	09/19/10	07:20	BR	S	CONC
214	PBS 180221	D091810	2PTTR2	09/19/10	07:31	BR	S	CONC
215	61056-1 179840	D091810	2PTTR2	09/19/10	07:36	BR	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
216	61056-1L	D091810	2PTTR2	09/19/10	07:42	BR	S	CONC
217	61056-1A	D091810	2PTTR2	09/19/10	07:47	BR	S	CONC
218	61173-1 1/5	D091810	2PTTR2	09/19/10	07:52	BR	S	CONC
219	PBW 180017	D091810	2PTTR2	09/19/10	07:56	BR	S	CONC
220	LCSW-1	D091810	2PTTR2	09/19/10	08:00	BR	S	CONC
221	RL LCSW-1	D091810	2PTTR2	09/19/10	08:05	BR	S	CONC
222	CCV	D091810	2PTTR2	09/19/10	08:09	BR	S	CONC
223	CCB	D091810	2PTTR2	09/19/10	08:14	BR	S	CONC
224	61322-1 1/10 180221	D091810	2PTTR2	09/19/10	08:19	BR	S	CONC
225	61322-2 1/10	D091810	2PTTR2	09/19/10	08:23	BR	S	CONC
226	61322-3 1/10	D091810	2PTTR2	09/19/10	08:28	BR	S	CONC
227	61322-4 1/10	D091810	2PTTR2	09/19/10	08:32	BR	S	CONC
228	RL ICP	D091810	2PTTR2	09/19/10	08:41	BR	S	CONC
229	RL ICP	D091810	2PTTR2	09/19/10	08:49	BR	S	CONC
230	ICSA61	D091810	2PTTR2	09/19/10	08:54	BR	S	CONC
231	ICSAB61	D091810	2PTTR2	09/19/10	08:58	BR	S	CONC
232	CCV	D091810	2PTTR2	09/19/10	09:05	BR	S	CONC
233	CCB	D091810	2PTTR2	09/19/10	09:10	BR	S	CONC

#	Sample Name	Ag	Al	2Al	As	B	Ba
1	HIGH STD 00034	989.62	9914.5	9.9148	990.35	9944.2	9920.8
2	ICV 00190	958.71	971.39	.97147	1001.1	989.19	981.70
3	ICB	.30494	4.1827	.00418	-1.6459	9.6637	-.04569
4	RL ICP 00045	10.445	208.64	.20866	20.344	104.57	10.093
5	RL ICP 00045	10.300	214.42	.21444	17.660	105.64	10.128
6	ICSA61 00022	.12621	529740.	529.76	-2.8812	14.103	.87798
7	ICSAB61 00038	210.30	521440.	521.48	99.426	14.408	533.44
8	CCV 00072	493.37	4872.5	4.8729	499.43	4963.0	4992.5
9	CCB	.42108	.14761	.00014	-1.5000	8.3212	-.01315
10	PBS 180221	-.02636	4.9590	.00495	-4.2888	.68432	-.09502
11	LCSS-1	49.249	1937.5	1.9376	1989.7	1007.5	2020.1
12	61154-1	-.60950	60666.	60.667	8.5893	14.318	146.54
13	61154-1L	.04478	12296.	12.296	1.7024	4.6179	29.408
14	61154-1A	44.753	61308.	61.308	1854.4	975.14	2032.3
15	61154-1S	47.862	41865.	41.868	1955.7	992.39	2112.5
16	61154-1SD	50.161	38124.	38.125	2043.9	1040.8	2214.3
17	CCV	487.02	4850.1	4.8505	493.74	4929.9	4962.9
18	CCB	.11645	6.0689	.00606	-2.1466	17.286	.62644
19	PBS 180131	.11376	6.1815	.00618	-.41729	6.1491	-.10219
20	LCSS-1	51.071	2050.5	2.0505	2091.1	1059.0	2140.9
21	61109-1	.47395	42076.	42.077	7.3865	13.881	152.29
22	61109-2	-.47627	40317.	40.320	7.3529	10.828	119.29
23	61109-2L	-.09570	8206.6	8.2069	-.72677	4.4217	24.037
24	61109-2A	47.971	41914.	41.916	1946.1	997.59	2111.2
25	61109-2S	48.730	37569.	37.572	1955.2	1009.3	2143.3
26	61109-2SD	51.556	50450.	50.450	2078.2	1078.6	2280.1
27	61109-3	-.18518	31958.	31.958	5.7243	12.972	120.45
28	61109-4	-.50593	34292.	34.295	16.467	14.319	158.81
29	CCV	477.91	4753.3	4.7535	483.36	4840.3	4874.0
30	CCB	.18786	5.4710	.00547	-3.5765	15.219	.57003
31	60987-4	.81101	115060.	115.07	61.731	65.023	755.07
32	60987-5	.27195	114000.	114.00	40.404	273.40	615.40
33	60987-6	.52118	112100.	112.11	50.994	42.760	637.41
34	60987-6S	48.099	118240.	118.24	1975.1	1025.2	2609.9
35	60987-6SD	50.440	114030.	114.04	2057.2	1081.2	2795.4
36	PBS 179451	.54413	11.188	.01118	-4.6087	5.5674	.07101
37	LCSS-1	51.049	2026.2	2.0263	2081.2	1039.4	2113.6
38	60980-1	.24409	262770.	262.78	210.13	135.74	1272.4
39	60980-1L	-.02496	50925.	50.926	39.651	29.163	250.07
40	60980-1A	46.586	260720.	260.73	2059.1	1089.9	3146.3
41	CCV	482.22	4758.9	4.7587	486.78	4880.4	4899.7
42	CCB	.42589	18.159	.01816	-.99048	16.425	1.1639
43	60980-1S	49.035	274220.	274.23	1994.2	1101.3	2625.9
44	60980-1SD	50.012	272590.	272.60	2110.2	1094.8	2963.5
45	60980-2	-.00488	256910.	256.91	27.774	210.96	1651.1
46	60980-3	-.11861	264730.	264.74	153.04	133.90	1556.6
47	60980-4	-.30786	127630.	127.63	24.615	118.15	1002.6
48	60980-5	.50774	206640.	206.65	18.777	118.71	918.30
49	60980-6	.17790	265970.	265.98	21.090	198.20	1217.2
50	60980-7	.57790	63141.	63.142	61.855	103.77	961.59
51	60980-8	-.23536	109570.	109.58	29.841	76.745	695.29
52	60980-9	.28364	103090.	103.09	44.996	89.748	1176.8
53	CCV	491.21	4791.6	4.7917	496.14	4988.1	4978.4

#	Sample Name	Ag	Al	2Al	As	B	Ba
54	CCB	.75735	16.628	.01662	-4.3257	15.930	.39691
55	60980-10	.48683	257880.	257.89	50.437	144.30	1028.7
56	60961-1	1.0194	114410.	114.42	97.739	137.56	851.79
57	60961-2	.86581	116760.	116.76	93.271	141.54	785.76
58	60961-3	.40217	68274.	68.278	288.43	168.10	503.30
59	60920-1	962.29	42492.	42.494	576.09	2560.7	3632.0
60	60920-1 1/20	45.385	2028.4	2.0285	28.402	138.78	174.90
61	60920-1 1/100	8.7750	420.18	.42022	.98686	30.856	35.029
62	61005-1	.30496	79961.	79.964	23.292	421.33	325.27
63	61005-2	-.72798	67797.	67.800	15.119	220.59	83.926
64	CCV	488.23	4739.0	4.7391	495.14	4974.6	4948.8
65	CCB	.69821	22.715	.02271	-4.9325	17.202	.54237
66	60870-2	1.2220	834.77	.83475	-3.1629	22.310	635.76
67	60869-4	11.520	32817.	32.818	.57885	496.35	261.89
68	60975-1	-.67464	165810.	165.83	246.09	207.88	1322.4
69	PBW 179540	.53576	31.219	.03122	-1.8399	4.5877	-.05828
70	LCSW-1	51.549	1984.0	1.9841	2100.0	1073.7	2103.6
71	60986-1	.16354	1103.3	1.1032	.52036	201.69	78.252
72	60986-1S	50.986	3781.2	3.7815	2107.2	1268.2	2182.8
73	60986-1SD	51.444	4039.4	4.0394	2115.7	1276.0	2188.7
74	60994-1	.56040	1314.1	1.3142	-1.5120	11.435	137.21
75	60994-1L	-.07199	457.77	.45781	-1.2949	5.6169	28.266
76	CCV	491.81	4770.6	4.7708	505.72	5027.8	4985.1
77	CCB	.41096	15.216	.01521	-3.1443	15.520	.50402
78	60994-1A	47.620	3069.0	3.0693	1936.2	1021.4	2063.2
79	60944-2	-.16730	8676.3	8.6762	3.9422	61.432	208.84
80	61012-1	.30648	4623.7	4.6241	.16757	17.992	669.49
81	61012-2	.39073	940.45	.94054	-3.5845	33.496	98.912
82	61012-9	-.16051	29650.	29.652	1.7416	25.491	2686.6
83	60994-1	.60805	34.066	.03406	-1.8844	7.2633	122.57
84	60994-2	.77735	9151.8	9.1522	5.5283	59.391	193.94
85	CCV	488.00	4745.2	4.7455	499.97	4989.9	4948.6
86	CCB	.02233	30.494	.03049	-3.0617	17.842	.44897
87	PBW 179845	-.42146	31.841	.03184	-1.1608	6.7081	.04474
88	LCSW-1	50.518	1984.4	1.9846	2095.8	1071.2	2093.0
89	60917-5	-.07133	35.956	.03595	1.9892	252.34	42.490
90	60917-5S	51.994	2036.6	2.0366	2175.2	1357.3	2174.1
91	60917-5SD	52.117	2021.1	2.0212	2160.2	1341.9	2155.6
92	61093-1	.09461	75.412	.07541	-1.9010	72.393	24.246
93	61093-1L	.12326	40.904	.04090	.52192	16.924	4.7871
94	61093-1A	46.934	1872.0	1.8721	1953.2	1100.8	1941.1
95	CCV	488.76	4757.4	4.7574	497.14	5006.7	4953.7
96	CCB	1.0646	26.759	.02676	-4.9101	19.578	.46119
97	PBW 179840	.85223	27.250	.02725	-3.5896	8.0420	-.06546
98	LCSW-1	48.844	1885.7	1.8858	1992.7	1017.3	1987.6
99	61032-1	-1.8468	2128.8	2.1290	-1.7915	47.271	1.4989
100	61032-1L	.05028	439.22	.43926	-1.4805	12.557	.27544
101	61032-1A	48.753	4053.7	4.0538	2030.0	1080.7	1920.8
102	61032-1S	50.893	3924.5	3.9247	2073.3	1088.2	1384.9
103	61032-1SD	52.153	4185.2	4.1856	2186.1	1137.4	1978.5
104	61031-3	-.21607	968.28	.96827	.16530	1198.7	17.718
105	61052-1	.16915	28377.	28.377	.30714	45.923	86.970
106	61052-1S	50.038	30487.	30.488	2042.6	1074.9	2126.0
107	CCV	478.62	4698.3	4.6984	489.33	4877.7	4848.9

#	Sample Name	Ag	Al	2Al	As	B	Ba
108	CCB	.23941	19.009	.01901	-1.4394	19.556	.65661
109	61052-1SD	48.640	29264.	29.265	2003.9	1054.7	2074.0
110	61052-2	1.1931	73.172	.07317	.58058	31.037	138.68
111	61056-1	.17179	11207.	11.208	4.2515	212.62	173.39
112	61067-1	.09536	161.47	.16149	9.9044	240.85	27.537
113	61093-1	.22270	425.93	.42596	-3.7160	66.110	24.078
114	61096-1	.19898	3092.3	3.0922	-2.3526	1282.9	42.868
115	61065-1	-.09443	21.744	.02174	-2.0885	20.789	19.855
116	61123-1	.48854	21735.	21.736	-.43342	1067.0	7.4725
117	61124-1	.95680	7761.5	7.7616	22.646	56045.	126.82
118	61124-2	.37323	233.11	.23313	15.259	56206.	.28250
119	CCV	489.68	4801.8	4.8021	496.39	5257.9	4908.9
120	CCB	.07606	16.555	.01655	-.37820	155.90	.37995
121	61124-4	.14995	128.66	.12867	5.4211	26040.	.41538
122	61173-1	.22267	22.515	.02251	-2.6729	170.34	1.5513
123	61181-1	.05505	238.98	.23900	-1.2435	98.879	32.029
124	61181-2	-.02178	246.87	.24689	-3.5862	69.865	59.302
125	PBW 179841	-.19259	9.6862	.00968	-1.1428	35.908	-.27251
126	LCSW-1	50.189	1966.4	1.9665	2055.3	1055.2	2035.8
127	61090-1	.31931	37.512	.03751	-.83104	242.03	161.88
128	61093-1	.17526	426.03	.42607	1.8618	83.795	24.092
129	61130-1	-.48389	104.19	.10419	-2.5331	59.364	17.033
130	61130-1L	-.06979	26.392	.02639	.70896	20.755	2.7292
131	CCV	484.27	4793.0	4.7933	496.87	4888.5	4882.5
132	CCB	.19928	8.1460	.00814	-2.8250	29.310	.23451
133	61130-1A	50.392	2083.9	2.0840	2065.2	1078.7	2073.7
134	61130-1S	50.639	2090.7	2.0908	2076.3	1104.5	2086.9
135	61130-1SD	50.965	2082.4	2.0824	2066.0	1092.7	2062.7
136	61130-2	-.21563	145.85	.14586	-3.0712	33.197	25.887
137	61130-3	-.74828	115.60	.11560	1.2006	34.991	16.312
138	61150-1	.58465	87.382	.08739	-1.3571	198.71	6.7651
139	61150-7	.00320	35.811	.03581	-3.4495	148.12	6.8122
140	PBW 180019	.38277	7.3280	.00732	-3.5504	9.6541	-.19726
141	LCSW-1	39.257	1986.9	1.9871	2068.1	1060.0	2017.6
142	RL LCSW-1	9.5320	217.47	.21749	18.940	116.61	10.458
143	CCV	488.79	4854.6	4.8546	496.96	4926.7	4917.5
144	CCB	.07875	14.633	.01463	-2.3899	26.945	.63318
145	61177-1	-.53020	12.353	.01235	-3.0792	43.402	5.8872
146	61177-1L	.12581	56.888	.05689	-2.8246	18.334	1.1975
147	61177-1A	44.338	1957.9	1.9580	2025.1	1009.7	1994.7
148	61177-1S	43.104	1906.6	1.9068	1977.3	1054.0	1952.8
149	61177-1SD	45.088	1976.7	1.9768	2054.9	1101.0	2027.9
150	61061-1	.19753	26.831	.02683	16.922	54.179	86.671
151	61061-2	.22587	32.503	.03250	-2.6796	92.399	39.955
152	61061-3	-.39079	18.440	.01844	-2.3649	103.18	25.153
153	61121-1	-.06962	11.772	.01177	18.563	50.451	64.995
154	61121-3	.34980	11.285	.01128	-1.5051	85.987	27.874
155	CCV	487.87	4871.1	4.8713	497.62	4911.0	4907.9
156	CCB	.37443	8.8342	.00883	-2.9658	27.411	.63997
157	61122-1	.54822	20.001	.02000	-1.0011	167.01	6.3559
158	21993-1	-.33636	14.726	.01472	-.75122	44.328	46.875
159	21993-2	-.04532	23.210	.02321	1.0741	44.305	53.244
160	61061-1 1/20	-.36461	6.5180	.00651	-.41891	15.058	4.2128
161	61061-2 1/20	-.58858	11.712	.01171	-1.5931	17.582	1.9502

#	Sample Name	Ag	Al	2Al	As	B	Ba
162	61061-3 1/20	.37010	10.200	.01020	-4.9704	17.115	1.1817
163	61121-1 1/20	-.46173	6.0693	.00606	-.80556	14.943	2.9421
164	61121-3 1/20	.96517	8.0092	.00801	-2.8432	16.362	1.3661
165	61122-1 1/20	-.36209	2.6725	.00267	-.56430	20.958	.05892
166	CCV	488.73	4866.3	4.8666	492.43	4910.7	4899.5
167	CCB	.17949	7.5146	.00751	.75969	27.691	.31841
168	PBW 180017	.48697	3.0773	.00307	-4.2229	17.217	.08612
169	LCSW-1	51.555	1956.6	1.9567	2015.4	1049.1	1992.8
170	RL LCSW-1	10.543	217.16	.21718	19.667	118.11	10.317
171	29873-9 1/10	.33475	101300.	101.31	-.79019	23.995	1.3409
172	29873-15 1/10	-.19280	67088.	67.089	1.5305	20.636	1.6200
173	29873-16 1/10	.50264	440.74	.44078	-1.2995	15.982	-.06324
174	61112-1	.40186	13.122	.01312	-3.4667	60.427	-.04250
175	61112-1L	.32355	10.412	.01041	-5.5366	24.087	-.21765
176	61112-1A	47.298	1910.2	1.9102	1963.7	1045.4	1929.2
177	61112-1S	51.314	2050.8	2.0510	2106.5	1110.5	2069.1
178	CCV	489.15	4887.3	4.8873	499.41	4916.9	4911.8
179	CCB	.10305	3.2024	.00320	.45023	28.597	.30938
180	61112-1SD	49.815	1995.3	1.9954	2057.5	1086.8	2013.5
181	CCV	490.52	4904.2	4.9042	502.02	4931.1	4917.4
182	CCB	-.31605	4.9178	.00491	-3.2287	30.452	.43264
183	PBW 180163	.17690	7.7391	.00773	-2.2729	19.530	-.14294
184	LCSW-1	51.072	2003.2	2.0033	2058.5	1054.4	2052.2
185	LCSD	50.329	1998.8	1.9989	2066.6	1027.6	2056.4
186	61291-1	-.21642	15820.	15.821	-1.3498	44.539	52.916
187	61291-2	.00414	6263.0	6.2631	-2.0238	36.181	38.473
188	61291-3	-1.9643	H1487e3	1486.8	74.548	154.61	2087.1
189	61291-4	.19678	8655.8	8.6559	1.0855	37.214	25.147
190	61291-5	.00348	14130.	14.131	2.8815	39.592	34.881
191	61291-5L	.42456	2829.2	2.8294	-.51545	21.642	6.5916
192	61291-5A	49.285	16428.	16.429	2029.0	1046.3	2078.0
193	CCV	488.21	4833.3	4.8334	499.30	4925.3	4902.5
194	CCB	.69990	11.260	.01126	.14052	37.516	.83112
195	61291-5S	47.914	29911.	29.912	1958.1	1049.2	2016.9
196	61291-5SD	46.845	29700.	29.700	1898.9	1022.4	1958.0
197	61291-6	-.34039	35291.	35.292	13.873	55.808	100.66
198	61291-7	-.04411	8631.6	8.6319	8.0815	40.305	23.978
199	61291-8	.29951	4606.1	4.6066	3.6726	116.93	14.075
200	61291-9	.15297	4084.1	4.0843	-.87591	40.970	13.445
201	61291-10	.55219	9415.8	9.4162	2.3754	124.55	23.403
202	CCV	484.11	4792.9	4.7932	495.44	4877.8	4864.4
203	CCB	.00662	7.4578	.00745	-3.2281	37.836	.85904
204	61322-1 180221	3.5248	7648.4	7.6490	73.528	202.77	2572.8
205	61322-2	5.5486	10399.	10.399	97.726	225.98	715.36
206	61322-3	2.3659	25461.	25.462	77.523	141.89	1442.4
207	61322-4	2.1510	28071.	28.072	82.944	127.38	8288.6
208	61283-1	.45477	91102.	91.104	81.290	35.108	302.04
209	CCV	492.23	4867.8	4.8680	501.28	4953.5	4922.9
210	CCB	.28341	11.368	.01136	-2.9108	31.908	.83786
211	CCV	483.12	4815.6	4.8158	493.24	4824.7	4818.8
212	CCB	.26708	3.3792	.00337	-.80419	17.040	-.05226
213	PBS 180221	-.22037	7.2564	.00725	-1.0605	11.989	-.10030
214	PBS 180221	.49512	9.6146	.00961	-3.1241	9.4309	.03263
215	61056-1 179840	-.14411	11365.	11.365	3.3782	208.43	169.75

#	Sample Name	Ag	Al	2Al	As	B	Ba
216	61056-1L	.16304	2274.0	2.2741	-1.1299	52.061	33.723
217	61056-1A	50.734	13293.	13.295	2099.5	1204.1	2240.9
218	61173-1 1/5	.73899	6.4353	.00643	.80844	13.341	.24718
219	PBW 180017	-.11809	4.2629	.00426	-2.6119	9.5168	-.09379
220	LCSW-1	52.420	1967.4	1.9675	2020.0	1042.1	1994.7
221	RL LCSW-1	10.376	210.91	.21093	20.544	113.37	10.120
222	CCV	487.02	4867.9	4.8680	492.30	4876.3	4871.3
223	CCB	-.27486	2.9264	.00292	-2.8391	23.436	-.15317
224	61322-1 1/10 180221	.56351	782.18	.78226	7.1173	33.972	249.08
225	61322-2 1/10	.39654	1007.2	1.0073	5.2698	33.689	75.343
226	61322-3 1/10	-.09273	2508.1	2.5082	3.1029	22.946	147.75
227	61322-4 1/10	.11418	2723.7	2.7237	6.9969	20.673	802.17
228	RL ICP	10.087	210.32	.21033	19.353	109.85	9.8139
229	RL ICP	9.8635	209.96	.20998	19.578	108.02	9.7118
230	ICSA61	.45508	515160.	515.17	-5.6966	22.499	.67098
231	ICSAB61	205.23	511450.	511.46	99.186	22.269	517.01
232	CCV	488.56	4869.4	4.8696	498.38	4891.6	4870.4
233	CCB	-.06766	2.9337	.00293	-1.8993	22.062	-.09319

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
1	HIGH STD 00034	993.47	9934.9	990.77	984.94	9936.2	9920.2
2	ICV 00190	978.45	973.28	989.09	975.78	989.17	989.90
3	ICB	-.00858	.38767	-.21824	-.59406	.05583	-.38052
4	RL ICP 00045	3.9435	500.29	4.8006	9.6620	9.5348	21.023
5	RL ICP 00045	3.9553	501.30	4.9366	9.9066	9.8903	21.255
6	ICSA61 00022	.07987	541380.	-.23496	-.00755	1.5392	1.3986
7	ICSAB61 00038	515.03	533730.	978.04	476.00	493.60	538.89
8	CCV 00072	497.97	4931.6	498.01	492.85	4978.5	4951.6
9	CCB	.01005	-.75360	.17610	-.39450	.03633	-.19279
10	PBS 180221	.01259	33.426	-.23450	.07075	.52202	-.08917
11	LCSS-1	49.642	4940.5	50.289	499.57	202.11	252.14
12	61154-1	4.4646	13454.	.05868	33.343	88.008	62.667
13	61154-1L	.92232	2700.7	-.13956	6.5285	17.985	12.335
14	61154-1A	50.452	17675.	45.900	486.36	269.56	293.20
15	61154-1S	51.772	16941.	48.980	510.13	256.83	293.99
16	61154-1SD	54.210	16353.	50.974	525.93	277.32	301.07
17	CCV	492.91	4898.9	494.32	487.85	4928.4	4917.8
18	CCB	.04613	1.3975	-.07776	-.25998	.44501	.45888
19	PBS 180131	-.00128	10.531	-.12994	-.32583	1.2055	-.72788
20	LCSS-1	52.428	5232.1	52.981	525.72	212.50	273.57
21	61109-1	3.4508	12637.	-.10738	31.420	64.088	52.604
22	61109-2	3.2878	23047.	14.307	27.100	65.064	65.173
23	61109-2L	.66148	4708.9	2.6456	5.0776	13.365	12.737
24	61109-2A	51.849	27689.	62.518	506.79	259.93	310.41
25	61109-2S	52.726	29645.	64.011	505.79	245.74	309.47
26	61109-2SD	55.676	35116.	76.471	546.43	280.52	344.03
27	61109-3	3.9199	9927.2	2.5069	18.324	34.839	38.290
28	61109-4	5.1981	9625.5	5.0236	44.737	39.691	44.838
29	CCV	484.36	4824.4	486.50	477.76	4840.7	4823.5
30	CCB	.06943	1.4491	-.23142	-.51229	.41012	-.49704
31	60987-4	4.9961	16557.	1.4679	80.986	187.94	1019.2
32	60987-5	4.6637	16205.	.60578	76.762	191.18	658.74

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
33	60987-6	4.7391	13942.	.38654	75.893	184.58	934.81
34	60987-6S	53.673	20340.	48.450	553.64	384.87	1115.3
35	60987-6SD	56.542	22720.	50.784	578.72	388.86	1277.3
36	PBS 179451	-.00899	15.159	-.16963	-.45099	1.1230	-.45115
37	LCSS-1	52.290	5119.7	53.356	521.13	211.50	260.94
38	60980-1	10.260	94835.	1.4385	85.107	243.72	116.62
39	60980-1L	2.0232	18575.	.01741	16.496	48.683	21.475
40	60980-1A	56.598	98433.	47.370	531.83	423.93	348.95
41	CCV	489.25	4866.0	493.75	482.29	4883.3	4845.5
42	CCB	.09404	2.7114	.03392	-.28609	1.1601	.71312
43	60980-1S	59.758	178180.	50.372	536.92	440.83	365.74
44	60980-1SD	60.425	124860.	50.041	550.03	443.89	365.78
45	60980-2	10.985	347190.	.68919	63.141	229.02	104.98
46	60980-3	10.330	288300.	.74436	94.884	236.87	97.002
47	60980-4	5.2804	H990210.	.16448	30.724	127.47	48.216
48	60980-5	8.8768	507560.	.47555	42.877	186.88	81.753
49	60980-6	10.373	351360.	.74737	58.516	234.18	94.728
50	60980-7	3.2696	H1570e3	4.2165	46.800	149.10	312.62
51	60980-8	5.0436	H1133e3	.32229	31.515	118.31	45.102
52	60980-9	4.8212	H1442e3	3.0349	38.657	124.52	132.51
53	CCV	500.31	4935.4	507.28	491.09	4977.1	4906.2
54	CCB	.03982	26.262	.09974	-.50904	-.01581	-1.1662
55	60980-10	9.6025	589790.	.54116	47.707	220.75	80.890
56	60961-1	7.0418	147030.	2.7034	82.975	196.89	369.65
57	60961-2	6.6397	201930.	2.4490	75.350	183.61	274.30
58	60961-3	5.6797	220160.	3.3235	53.095	143.03	357.18
59	60920-1	1.4658	284210.	H71646.	238.73	H42264.	47700.
60	60920-1 1/20	.06057	14345.	4317.0	12.766	2227.9	2222.5
61	60920-1 1/100	-.00441	2876.7	868.98	2.3904	445.94	444.65
62	61005-1	1.2948	225700.	.20977	9.3307	220.71	298.42
63	61005-2	.73011	64950.	-1.3483	3.1858	97.897	104.47
64	CCV	501.07	4855.8	508.32	490.19	4989.8	4851.0
65	CCB	.05282	.83834	-.03063	.04041	.67669	-.10708
66	60870-2	.03313	843.78	1562.8	132.90	1850.9	110.60
67	60869-4	.53504	182840.	66.387	1067.3	800.60	317.39
68	60975-1	9.8096	189350.	-1.5046	39.947	1030.1	107.67
69	PBW 179540	-.01783	10.044	-.04316	-.59375	.11039	-1.6944
70	LCSW-1	52.767	5129.1	54.115	522.00	212.05	253.69
71	60986-1	.01947	8404.8	2.1834	.44526	75.669	6.0763
72	60986-1S	53.178	13467.	55.936	525.17	291.16	265.51
73	60986-1SD	53.447	13480.	56.425	528.27	297.25	268.10
74	60994-1	.17023	57007.	-.13820	8.1749	5.5283	3.4654
75	60994-1L	.04551	11283.	-.12384	1.4340	.93957	-.81771
76	CCV	505.85	4905.6	516.10	494.64	5033.8	4874.7
77	CCB	.05240	-1.6548	-.12391	-.70820	-.11951	-1.4952
78	60994-1A	49.366	60298.	49.630	484.08	200.31	237.52
79	60944-2	-.01877	16981.	.04181	12.107	16.414	106.95
80	61012-1	1.3993	544.07	-.10826	1.0452	12.547	.30273
81	61012-2	.20880	12798.	.31177	-.21224	2.3324	-.64388
82	61012-9	6.8933	2784.1	-.76687	2.0155	84.759	4.1570
83	60994-1	.07190	56521.	-.18134	8.1956	1.1822	-.97108
84	60994-2	-.01058	16288.	.12665	11.683	15.261	111.59
85	CCV	504.64	4899.3	515.88	494.00	5013.7	4852.7
86	CCB	.03090	-3.8432	-.09762	-.13777	.25506	-.56493

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
87	PBW 179845	-.00599	9.3720	-.12130	-.42562	.40086	-1.3011
88	LCSW-1	52.607	5157.0	54.119	522.61	212.50	250.21
89	60917-5	-.01018	89785.	-.29846	.53930	.10824	-1.5239
90	60917-5S	54.526	96211.	54.758	528.82	215.96	259.69
91	60917-5SD	53.895	94517.	54.553	523.87	213.51	256.88
92	61093-1	-.02579	63348.	-.37070	-.04003	.11517	.57308
93	61093-1L	-.03351	12655.	-.33729	.12159	-.40874	-.80020
94	61093-1A	48.545	67576.	48.849	467.22	193.81	229.37
95	CCV	504.31	4914.1	515.82	493.63	5019.9	4852.7
96	CCB	.03261	-2.2223	-.23881	.12894	.80490	-.98778
97	PBW 179840	-.01916	11.259	-.05441	.15280	-.42651	-1.7615
98	LCSW-1	49.823	4891.1	52.159	495.78	201.59	240.43
99	61032-1	-.08129	7720.2	-.22645	-.21826	.93011	1.0323
100	61032-1L	-.02520	1536.6	-.16965	-.25798	.27199	-.43245
101	61032-1A	47.173	12738.	51.413	488.04	193.37	250.05
102	61032-1S	47.527	12078.	52.100	490.47	193.72	250.17
103	61032-1SD	50.662	12828.	55.288	524.83	207.05	268.11
104	61031-3	-.00496	16854.	-.28228	3.1256	10.716	12.888
105	61052-1	1.9833	15667.	-.11635	9.2895	34.848	580.61
106	61052-1S	52.965	20771.	52.451	518.56	236.89	825.27
107	CCV	491.97	4830.4	501.08	485.10	4912.6	4766.1
108	CCB	.03840	-.83586	.00936	-.14496	.49588	-.86731
109	61052-1SD	51.541	19975.	51.285	505.54	230.33	796.71
110	61052-2	.52055	30401.	1.3401	15.383	.33163	5778.4
111	61056-1	.56000	71852.	-.04466	6.8670	15.461	8.9514
112	61067-1	-.04703	30473.	-.04460	.63670	10.701	12.463
113	61093-1	.00664	62056.	-.20008	.43418	.49274	7.9692
114	61096-1	-.00857	10056.	1.5085	-.42713	.32299	30.292
115	61065-1	-.00113	33331.	-.21744	.15146	.16037	1.0848
116	61123-1	-.00557	8683.9	-.01676	2.5677	6.4677	108.02
117	61124-1	1.3430	79371.	5.7776	11.428	57.543	1873.3
118	61124-2	-.04415	3730.4	1.9018	4.7649	2.8298	1.9093
119	CCV	499.23	4912.7	507.11	491.95	4984.5	4872.0
120	CCB	.03154	-.07173	.25840	.08705	1.0477	-.17635
121	61124-4	-.01543	13757.	.99522	2.6179	2.2508	45.224
122	61173-1	.00266	221.44	.05674	-.23401	.10903	.19851
123	61181-1	.00446	6105.9	-.15335	-.52007	.58235	1.8080
124	61181-2	.00924	1839.7	-.28540	-.28996	.09037	11.045
125	PBW 179841	-.00913	21.976	-.37660	.05986	.00976	-.68020
126	LCSW-1	50.686	5033.0	52.250	508.97	205.95	246.79
127	61090-1	.07943	61753.	-.32452	.07620	1.3920	-.02638
128	61093-1	.02870	62520.	-.05773	.49707	.84346	8.1013
129	61130-1	.00037	1478.1	-.28280	-.05634	1.1033	.37169
130	61130-1L	-.02815	263.05	-.31070	-.96868	-.21892	-.91521
131	CCV	492.24	4869.2	499.34	488.48	4941.5	4830.3
132	CCB	.05819	.06878	-.16234	.09047	.45729	.25294
133	61130-1A	51.542	6510.9	53.126	514.23	208.13	257.69
134	61130-1S	51.685	6531.8	53.138	518.27	210.12	259.05
135	61130-1SD	51.185	6468.3	52.641	511.55	206.68	255.80
136	61130-2	.04204	1897.4	-.43762	.03116	.67658	-.38082
137	61130-3	-.00493	1394.6	-.38308	-.80157	1.0229	.50097
138	61150-1	.01587	39118.	-.15275	.20304	1.4263	7.3146
139	61150-7	-.01012	45175.	-.36484	-.29562	.68352	7.4351
140	PBW 180019	.00119	4.3156	-.20436	-.35853	-.20182	-.45208

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
141	LCSW-1	50.104	5156.5	52.411	506.36	204.17	240.79
142	RL LCSW-1	4.0065	510.77	5.0912	10.030	10.346	21.444
143	CCV	494.68	4922.7	502.92	491.96	4979.7	4872.8
144	CCB	.06223	5.6689	.13180	-.41456	1.0800	1.2013
145	61177-1	-.00439	20644.	-.29620	-.44958	.08670	1.6613
146	61177-1L	.00540	4232.1	-.10454	-.62062	.27771	1.8003
147	61177-1A	49.434	25054.	50.576	493.36	199.20	246.28
148	61177-1S	48.313	25055.	49.862	481.32	195.80	240.04
149	61177-1SD	50.297	25567.	52.097	501.58	203.12	249.50
150	61061-1	-.01683	26684.	-.38854	-.38219	-.27358	-.06111
151	61061-2	-.00711	50040.	-.15297	-.20442	-.42985	-.27586
152	61061-3	-.02483	47203.	-.30971	.16871	-.31348	-.24079
153	61121-1	-.03002	26744.	-.14943	-.29035	.51540	.01324
154	61121-3	-.00798	46790.	-.28322	-.41294	-.31315	.07778
155	CCV	492.30	4913.9	499.83	490.68	4961.5	4869.0
156	CCB	.07005	1.3131	.24756	-.45323	.71633	1.1754
157	61122-1	.02331	33256.	-.11269	-.51751	-.25372	2.3110
158	21993-1	-.01570	8924.3	-.25243	.05029	-.37119	13.333
159	21993-2	-.00026	9691.9	-.05833	-.03575	.16910	2.2893
160	61061-1 1/20	-.02843	1349.9	-.35660	-.20293	-.17741	-.79099
161	61061-2 1/20	-.02457	2526.1	-.25345	-.75425	-.25521	-.71228
162	61061-3 1/20	.01075	2376.9	-.29869	.02250	-.25474	-.07526
163	61121-1 1/20	-.01168	1353.6	-.41602	-.46662	.55569	.07052
164	61121-3 1/20	.01027	2349.5	-.19061	-.19087	.15290	8.3384
165	61122-1 1/20	.00137	1656.5	-.23733	.15460	-.12142	-.20092
166	CCV	492.28	4924.0	499.63	491.45	4960.2	4866.5
167	CCB	.04557	.49678	-.11140	.20279	.62627	.05085
168	PBW 180017	.01870	9.3871	-.12478	-.42713	.01156	-.32143
169	LCSW-1	49.506	5165.1	50.773	500.81	202.70	241.54
170	RL LCSW-1	4.0357	518.15	5.0856	10.896	10.225	21.356
171	29873-9 1/10	.37325	51123.	-.48053	.78501	-.07436	-.23749
172	29873-15 1/10	.69477	24220.	-.29504	.76490	1.6351	-.55611
173	29873-16 1/10	.00513	154.59	.08114	.58573	-.07741	.06562
174	61112-1	.02114	229.86	.01685	-.79817	-.35207	.44630
175	61112-1L	-.00651	46.852	-.39187	-.00281	-.21642	-.89269
176	61112-1A	48.089	5175.9	49.730	485.22	193.42	242.69
177	61112-1S	51.542	5461.0	53.208	521.41	207.43	261.11
178	CCV	494.50	4941.5	502.01	492.18	4981.8	4876.1
179	CCB	.04863	.79717	-.09843	-.46521	.03688	.22128
180	61112-1SD	50.128	5326.2	51.570	506.50	202.25	254.34
181	CCV	495.80	4951.2	501.30	493.68	4992.2	4878.0
182	CCB	.05889	2.4604	-.06110	-.03385	.48495	-.00846
183	PBW 180163	.00463	13.513	-.14661	-.13946	.55888	-.21743
184	LCSW-1	50.983	5226.1	52.034	514.22	209.13	252.66
185	LCSD	51.069	5063.7	52.191	515.68	209.86	253.69
186	61291-1	.26571	892.65	-.05921	1.1893	26.121	5.9558
187	61291-2	.10631	11193.	-.34197	.09727	10.408	2.1626
188	61291-3	11.163	20764.	-1.6540	48.104	1385.8	350.39
189	61291-4	.16238	640.31	-.41090	.40839	38.522	8.8027
190	61291-5	.15298	371.03	-.31273	-.06764	19.939	6.8718
191	61291-5L	.04601	79.648	.15912	-.37973	3.9974	.93799
192	61291-5A	51.168	5443.1	51.358	510.59	226.73	259.64
193	CCV	494.01	4927.7	498.86	490.67	4968.4	4872.1
194	CCB	.08518	1.5820	-.04923	-.65390	.09913	.05198

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
195	61291-5S	49.745	5361.5	49.804	495.59	228.71	253.24
196	61291-5SD	48.282	5156.7	48.019	480.36	221.40	245.27
197	61291-6	.38094	3694.5	-.84574	.79227	48.322	9.6546
198	61291-7	.17074	6477.4	-.42856	.22112	12.732	1.1758
199	61291-8	.08827	404.99	-.23623	.10761	7.5571	1.2157
200	61291-9	.09435	274.16	-.20088	.14393	6.9112	.79242
201	61291-10	.14861	335.16	-.36358	.89145	12.962	4.6211
202	CCV	490.19	4885.3	495.12	487.06	4927.3	4830.6
203	CCB	.10181	1.7582	.09356	.07700	.87330	.79673
204	61322-1 180221	.26429	H900880.	164.48	128.62	16670.	734.13
205	61322-2	.35272	566260.	309.63	114.93	10786.	867.81
206	61322-3	.29977	308020.	93.742	63.597	21265.	301.94
207	61322-4	.37454	567960.	252.36	52.325	12112.	367.40
208	61283-1	2.6434	2869.9	-.66397	36.675	122.76	77.762
209	CCV	497.93	4933.1	505.29	494.24	5016.3	4893.3
210	CCB	.07547	5.3665	.00580	-.36590	1.1115	.03909
211	CCV	482.99	4812.2	489.57	482.95	4877.8	4802.6
212	CCB	.01793	-1.3012	-.18338	-.45188	.09440	-.02552
213	PBS 180221	.00984	14.091	.09037	-.61886	.81103	.36876
214	PBS 180221	-.00441	19.423	-.20482	-.04082	.35366	.32185
215	61056-1 179840	.55095	70601.	-.38701	6.2195	15.768	9.1858
216	61056-1L	.13274	14035.	.12374	1.3366	3.0772	1.0848
217	61056-1A	51.994	75263.	51.515	511.29	222.04	261.55
218	61173-1 1/5	.00464	48.881	.24358	-.56905	-.06612	-.36134
219	PBW 180017	-.00817	8.2460	-.38954	-.83832	.23038	.07442
220	LCSW-1	49.511	5172.1	51.337	503.48	202.92	243.43
221	RL LCSW-1	3.9647	510.90	5.0309	8.9323	9.9590	21.015
222	CCV	490.30	4900.0	499.26	488.77	4950.6	4833.0
223	CCB	.00832	-1.1582	-.32975	-1.3856	-.29045	-.78859
224	61322-1 1/10 180221	.01373	79176.	16.373	13.377	1705.4	69.129
225	61322-2 1/10	.04677	51944.	30.634	11.585	1088.0	78.400
226	61322-3 1/10	.04414	28354.	8.7654	5.8168	2063.4	27.629
227	61322-4 1/10	.02205	51213.	25.467	5.4309	1196.4	34.834
228	RL ICP	3.9220	498.06	5.1007	9.6774	10.366	21.102
229	RL ICP	3.9182	495.91	4.8829	9.6186	9.9124	20.001
230	ICSA61	.09810	527650.	-.20633	.41854	1.4121	1.7357
231	ICSAB61	504.49	522830.	974.70	470.38	488.59	520.64
232	CCV	492.82	4924.3	501.79	492.38	4987.8	4844.6
233	CCB	.02475	-.94046	.03012	.06854	-.19146	.27099

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
1	HIGH STD 00034	9935.2	9.9352	19843.	9942.7	9.9428	9947.0
2	ICV 00190	1002.7	1.0030	19156.	982.24	.98223	984.36
3	ICB	-5.6174	-.00561	-6.4477	1.3269	.00132	-.02247
4	RL ICP 00045	61.039	.06103	967.48	502.92	.50277	9.8974
5	RL ICP 00045	50.677	.05067	975.25	502.68	.50253	10.016
6	ICSA61 00022	194090.	194.06	-7.5100	525280.	525.07	-1.2793
7	ICSAB61 00038	193370.	193.35	-16.864	522190.	522.00	496.64
8	CCV 00072	4958.9	4.9592	9846.9	4960.0	4.9600	4982.5
9	CCB	9.2368	.00923	-3.9313	1.3295	.00132	-.01695
10	PBS 180221	58.489	.05848	-.17767	1.3443	.00133	.79888
11	LCSS-1	1023.4	1.0236	4814.5	4976.1	4.9747	503.32

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
12	61154-1	122060.	122.04	3182.6	26315.	26.286	1678.3
13	61154-1L	24998.	24.995	628.54	5368.5	5.3627	344.52
14	61154-1A	120230.	120.21	8080.2	30618.	30.587	2105.4
15	61154-1S	76475.	76.467	7829.6	20843.	20.824	1510.3
16	61154-1SD	67116.	67.108	7650.8	18432.	18.416	1346.2
17	CCV	4912.8	4.9130	9760.4	4905.8	4.9058	4938.2
18	CCB	9.7841	.00978	-11.193	-.00469	.00000	.62440
19	PBS 180131	34.509	.03450	-4.0370	.01277	.00000	.37112
20	LCSS-1	1072.0	1.0721	5051.6	5263.4	5.2620	531.13
21	61109-1	70191.	70.181	3981.6	18362.	18.345	1112.8
22	61109-2	77950.	77.941	2951.6	20870.	20.851	1157.9
23	61109-2L	15946.	15.945	586.15	4267.6	4.2637	237.35
24	61109-2A	77859.	77.850	7928.9	25597.	25.577	1630.7
25	61109-2S	64241.	64.236	7314.5	18323.	18.307	1444.1
26	61109-2SD	86877.	86.863	8709.2	25957.	25.934	1915.8
27	61109-3	62745.	62.735	3355.0	11470.	11.456	993.88
28	61109-4	140290.	140.27	4003.2	12588.	12.560	1056.7
29	CCV	4819.5	4.8198	9638.6	4815.2	4.8152	4845.2
30	CCB	11.896	.01189	-8.5458	-1.3474	-.00134	.73889
31	60987-4	243460.	243.44	15918.	40131.	40.078	3799.5
32	60987-5	220190.	220.15	15144.	40840.	40.789	3421.1
33	60987-6	221160.	221.13	15642.	39013.	38.964	3400.9
34	60987-6S	225650.	225.62	20479.	44630.	44.579	3915.6
35	60987-6SD	271440.	271.41	20224.	43885.	43.826	4214.6
36	PBS 179451	31.093	.03109	17.796	1.3365	.00133	.39748
37	LCSS-1	1045.7	1.0458	4854.1	5102.6	5.1013	527.09
38	60980-1	181030.	181.01	H47570.	48582.	48.539	8113.9
39	60980-1L	36130.	36.125	8934.4	9668.2	9.6598	1625.7
40	60980-1A	179320.	179.30	H52144.	52730.	52.687	8458.9
41	CCV	4815.6	4.8159	9638.4	4840.7	4.8407	4891.6
42	CCB	9.3644	.00936	7.8802	4.0364	.00403	1.2349
43	60980-1S	170540.	170.52	H54936.	53019.	52.974	3843.7
44	60980-1SD	181040.	181.02	H53334.	54335.	54.288	4687.6
45	60980-2	175070.	175.04	H49422.	53783.	53.734	3491.6
46	60980-3	170670.	170.65	H46822.	51385.	51.342	6581.1
47	60980-4	86436.	86.422	25365.	28037.	28.014	1532.5
48	60980-5	132030.	132.01	H38542.	41038.	41.003	2251.8
49	60980-6	157690.	157.67	H47026.	52555.	52.511	3075.5
50	60980-7	416880.	416.81	14301.	21319.	21.242	4532.2
51	60980-8	87136.	87.127	21875.	24278.	24.256	1316.4
52	60980-9	95282.	95.272	21623.	23860.	23.837	1348.5
53	CCV	4912.9	4.9132	9736.3	4920.0	4.9201	4967.3
54	CCB	9.3816	.00938	-10.344	-5.4010	-.00540	.46007
55	60980-10	147220.	147.20	H40848.	57063.	57.020	2389.3
56	60961-1	204080.	204.05	21848.	56882.	56.831	4298.2
57	60961-2	193210.	193.18	21520.	73812.	73.754	4307.9
58	60961-3	200550.	200.52	15470.	62997.	62.944	2324.4
59	60920-1	H2689e3	2688.7	H106200.	209410.	208.97	H233700.
60	60920-1 1/20	144070.	144.05	4525.2	10981.	10.960	16949.
61	60920-1 1/100	28910.	28.906	889.54	2191.1	2.1870	3407.9
62	61005-1	293840.	293.80	1174.3	9166.7	9.1129	921.59
63	61005-2	150770.	150.75	596.73	3075.6	3.0484	357.80
64	CCV	4852.6	4.8528	9717.5	4920.4	4.9204	4980.6
65	CCB	8.0742	.00807	-1.9414	1.3369	.00133	.98976

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
66	60870-2	1530.3	1.5302	121.99	698.88	.69859	404.70
67	60869-4	5426.5	5.4265	5202.0	9203.9	9.2008	1015.6
68	60975-1	230810.	230.79	26783.	124480.	124.40	365.31
69	PBW 179540	38.786	.03878	1.8495	1.3350	.00132	.02166
70	LCSW-1	1015.6	1.0157	5098.1	5220.5	5.2191	525.30
71	60986-1	1117.8	1.1177	4374.4	1451.4	1.4508	25.311
72	60986-1S	2191.5	2.1916	9661.6	6679.2	6.6772	553.78
73	60986-1SD	2242.7	2.2427	9647.3	6707.9	6.7059	555.69
74	60994-1	4337.6	4.3373	3303.5	9058.3	9.0575	5421.7
75	60994-1L	825.60	.82553	611.57	1868.9	1.8687	1041.5
76	CCV	4898.8	4.8990	9776.7	4949.4	4.9494	5005.3
77	CCB	-7.5400	-.00753	-10.598	.00406	.00000	.51080
78	60994-1A	5133.2	5.1330	8337.3	13789.	13.786	5736.5
79	60944-2	77.279	.07728	H716150.	5.3908	.00537	1.3890
80	61012-1	5556.9	5.5565	553.26	1458.2	1.4568	5.6401
81	61012-2	1338.5	1.3384	1376.5	2503.9	2.5030	2.1211
82	61012-9	31356.	31.353	2828.9	3446.0	3.4395	19.091
83	60994-1	2318.5	2.3183	3065.7	8786.8	8.7864	5368.0
84	60994-2	78.520	.07852	H730600.	8.2666	.00825	1.1566
85	CCV	4875.1	4.8754	9808.0	4956.6	4.9567	4981.6
86	CCB	-12.768	-.01276	14.913	1.3341	.00133	.64076
87	PBW 179845	-9.1859	-.00918	-8.6939	2.6546	.00265	.21621
88	LCSW-1	1017.1	1.0172	5292.7	5206.8	5.2054	523.25
89	60917-5	-.59265	-.00059	5988.4	16856.	16.852	.37543
90	60917-5S	1050.3	1.0504	11586.	22451.	22.445	536.10
91	60917-5SD	1019.6	1.0198	11532.	22079.	22.072	530.82
92	61093-1	17.101	.01709	2825.7	27924.	27.916	3.0368
93	61093-1L	-.88453	-.00088	532.26	5642.3	5.6407	.59996
94	61093-1A	954.64	.95476	8245.2	32777.	32.766	484.93
95	CCV	4903.4	4.9037	9709.4	4964.9	4.9649	4978.7
96	CCB	7.7530	.00775	-14.832	-1.3615	-.00136	.54968
97	PBW 179840	.51867	.00051	8.1101	-5.4155	-.00541	-.05562
98	LCSW-1	954.21	.95434	4873.6	4955.8	4.9544	497.90
99	61032-1	.78672	.00078	28343.	2118.6	2.1180	3.8245
100	61032-1L	2.6893	.00268	4124.6	429.67	.42954	.77305
101	61032-1A	950.75	.95088	H37922.	7162.8	7.1608	484.76
102	61032-1S	940.24	.94037	H35892.	6819.3	6.8174	488.67
103	61032-1SD	1006.5	1.0067	H37724.	7260.2	7.2582	521.43
104	61031-3	1998.2	1.9981	7171.9	2526.0	2.5250	88.530
105	61052-1	19358.	19.355	3795.7	7021.2	7.0159	146.26
106	61052-1S	20428.	20.426	9313.0	12198.	12.192	660.09
107	CCV	4807.3	4.8075	9548.5	4897.0	4.8970	4886.3
108	CCB	15.187	.01518	-3.0157	1.3350	.00133	.56818
109	61052-1SD	19558.	19.557	9104.9	11759.	11.752	642.16
110	61052-2	112.18	.11217	7158.4	15005.	15.001	83.422
111	61056-1	14591.	14.590	2068.5	23503.	23.494	1496.9
112	61067-1	429.61	.42957	12136.	4108.7	4.1074	39.764
113	61093-1	694.24	.69418	2680.0	27397.	27.389	25.176
114	61096-1	11.421	.01142	8743.5	33.459	.03344	.96080
115	61065-1	49.501	.04949	2074.9	5037.2	5.0358	7.2998
116	61123-1	421.97	.42194	H135050.	9088.5	9.0859	127.99
117	61124-1	41112.	41.106	31057.	10946.	10.936	1235.5
118	61124-2	2618.7	2.6186	28005.	2602.6	2.6015	26.847
119	CCV	4887.6	4.8878	9650.5	4980.6	4.9806	4966.0

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
120	CCB	5.3934	.00539	-5.4014	-.05341	-.00005	.44629
121	61124-4	2690.1	2.6899	9181.1	5385.2	5.3832	45.900
122	61173-1	13.963	.01396	35.489	45.720	.04570	1.3025
123	61181-1	74.773	.07476	2033.4	3251.0	3.2501	8.2033
124	61181-2	17.109	.01710	1641.6	937.98	.93771	1.5718
125	PBW 179841	-3.1571	-.00315	-18.225	1.3278	.00132	.04342
126	LCSW-1	986.55	.98669	5134.2	5127.1	5.1257	511.47
127	61090-1	3722.7	3.7225	4004.0	28733.	28.726	7607.5
128	61093-1	494.16	.49412	2799.7	27689.	27.681	24.406
129	61130-1	905.96	.90589	1285.2	316.04	.31581	59.673
130	61130-1L	156.47	.15646	183.80	53.738	.05369	10.532
131	CCV	4836.1	4.8364	9663.8	4944.2	4.9442	4933.5
132	CCB	6.5163	.00651	-12.584	2.7354	.00273	.53675
133	61130-1A	1874.1	1.8742	6843.4	5580.6	5.5790	580.40
134	61130-1S	1897.2	1.8973	6904.0	5555.0	5.5534	583.81
135	61130-1SD	1911.6	1.9117	6823.4	5470.0	5.4684	578.21
136	61130-2	3620.6	3.6203	3230.1	748.77	.74798	120.41
137	61130-3	1958.2	1.9581	2510.6	400.69	.40024	36.740
138	61150-1	50.452	.05044	12747.	6068.5	6.0668	28.711
139	61150-7	18.191	.01818	9842.0	7278.4	7.2763	4.7530
140	PBW 180019	-8.8371	-.00883	-5.7136	-.03634	-.00003	-.03262
141	LCSW-1	975.14	.97527	5708.8	5286.2	5.2848	507.74
142	RL LCSW-1	45.223	.04522	1110.3	520.74	.52058	10.346
143	CCV	4891.0	4.8912	9718.4	4995.5	4.9955	4969.8
144	CCB	-9.4893	-.00948	-4.3992	5.5247	.00552	.93880
145	61177-1	272.04	.27202	2732.0	8230.9	8.2285	3.4490
146	61177-1L	62.141	.06213	492.58	1672.5	1.6720	1.0775
147	61177-1A	1236.9	1.2371	8129.5	12973.	12.970	501.33
148	61177-1S	1224.1	1.2242	8204.2	13001.	12.997	490.94
149	61177-1SD	1252.9	1.2530	8530.9	13407.	13.403	509.70
150	61061-1	149.51	.14950	4126.4	10437.	10.434	5.6145
151	61061-2	88.365	.08835	10292.	34285.	34.274	11.983
152	61061-3	.66744	.00066	9929.5	38020.	38.006	-.17608
153	61121-1	144.46	.14445	4041.4	9597.4	9.5947	5.9109
154	61121-3	1.7663	.00176	6116.6	34085.	34.075	-.13458
155	CCV	4878.6	4.8789	9753.9	4987.8	4.9878	4958.1
156	CCB	9.3474	.00934	-7.5146	2.7352	.00273	.84699
157	61122-1	32.016	.03201	6468.8	7880.6	7.8784	17.242
158	21993-1	3.2601	.00325	3160.6	3190.4	3.1895	1.5781
159	21993-2	154.72	.15471	3262.8	3055.9	3.0551	48.770
160	61061-1 1/20	1.7414	.00174	160.55	521.37	.52122	.17888
161	61061-2 1/20	-3.5638	-.00356	377.42	1724.9	1.7244	.58732
162	61061-3 1/20	5.4379	.00543	373.69	1906.5	1.9060	-.04211
163	61121-1 1/20	-1.4887	-.00148	151.08	485.65	.48551	.32417
164	61121-3 1/20	7.1374	.00713	259.72	1711.5	1.7110	-.01667
165	61122-1 1/20	11.825	.01182	272.96	390.55	.39043	.73753
166	CCV	4901.3	4.9016	9736.7	5000.6	5.0005	4957.7
167	CCB	2.3161	.00231	-1.3760	1.3320	.00133	.46906
168	PBW 180017	1.1854	.00118	-2.3633	-1.4348	-.00143	.15493
169	LCSW-1	978.96	.97909	5446.0	5278.4	5.2769	502.73
170	RL LCSW-1	40.458	.04045	1048.8	517.26	.51710	10.214
171	29873-9 1/10	1208.0	1.2079	273.12	3903.7	3.9024	31.112
172	29873-15 1/10	2534.1	2.5339	180.83	2682.2	2.6810	17.917
173	29873-16 1/10	16.944	.01694	-1.6273	19.733	.01972	.15521

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
174	61112-1	44.065	.04406	483.35	78.955	.07892	.55094
175	61112-1L	-12.782	-.01278	70.091	15.324	.01532	.06407
176	61112-1A	949.06	.94919	6614.2	5214.0	5.2126	487.97
177	61112-1S	1022.0	1.0222	6929.0	5468.9	5.4674	524.19
178	CCV	4913.1	4.9133	9792.7	5014.7	5.0147	4975.7
179	CCB	6.6075	.00660	-14.224	2.7310	.00272	.48316
180	61112-1SD	994.93	.99507	6806.6	5331.6	5.3302	510.53
181	CCV	4935.2	4.9355	9817.7	5027.9	5.0279	4985.0
182	CCB	4.4590	.00445	-12.489	-.07428	-.00007	.64368
183	PBW 180163	2.2825	.00228	-12.649	-.07354	-.00007	.02292
184	LCSW-1	1015.9	1.0160	5205.3	5324.7	5.3233	518.59
185	LCSD	1010.8	1.0109	5021.5	5148.1	5.1467	519.13
186	61291-1	7678.1	7.6776	300.17	2533.5	2.5315	20.751
187	61291-2	4299.0	4.2987	271.25	2528.8	2.5273	7.6105
188	61291-3	198080.	198.06	17931.	55239.	55.188	178.98
189	61291-4	7655.2	7.6547	240.01	1615.5	1.6137	40.717
190	61291-5	3636.9	3.6366	316.44	1435.7	1.4347	7.8567
191	61291-5L	718.85	.71879	56.887	284.80	.28459	1.6240
192	61291-5A	4665.2	4.6651	5485.5	6712.6	6.7101	527.12
193	CCV	4915.3	4.9155	9790.6	4997.7	4.9977	4958.7
194	CCB	2.9286	.00292	2.7812	1.3353	.00133	.90352
195	61291-5S	5970.5	5.9703	5495.7	6793.6	6.7909	512.30
196	61291-5SD	5848.1	5.8479	5295.7	6619.0	6.6163	496.79
197	61291-6	6301.6	6.3012	813.24	2444.2	2.4424	14.846
198	61291-7	2886.9	2.8867	229.81	2120.0	2.1189	12.868
199	61291-8	1865.8	1.8657	211.47	1077.0	1.0764	9.4120
200	61291-9	1867.4	1.8673	154.02	1086.2	1.0856	6.2188
201	61291-10	2950.9	2.9507	233.44	1469.3	1.4684	6.8501
202	CCV	4863.3	4.8636	9746.8	4947.4	4.9474	4917.3
203	CCB	6.2240	.00622	-6.2686	-2.9451	-.00294	.98494
204	61322-1 180221	H1523e3	1523.2	12644.	28428.	28.156	10602.
205	61322-2	H2079e3	2078.4	15371.	21057.	20.692	12975.
206	61322-3	512200.	512.13	16405.	21903.	21.809	3264.8
207	61322-4	281410.	281.38	8544.9	23344.	23.290	2678.5
208	61283-1	131300.	131.28	2973.9	4154.8	4.1315	2011.9
209	CCV	4896.5	4.8967	9855.1	5033.0	5.0330	5008.3
210	CCB	-3.0681	-.00306	-6.5732	-2.9496	-.00294	.93039
211	CCV	4798.5	4.7987	9743.2	4923.1	4.9231	4879.4
212	CCB	-.82472	-.00082	.54067	-.13937	-.00013	-.10569
213	PBS 180221	51.998	.05199	7.5364	-.10808	-.00011	.63031
214	PBS 180221	50.547	.05054	18.730	-1.5632	-.00157	.62214
215	61056-1 179840	14327.	14.325	2072.3	23292.	23.284	1471.8
216	61056-1L	2895.3	2.8951	382.16	4692.3	4.6906	297.33
217	61056-1A	15248.	15.247	7582.9	28256.	28.247	1979.8
218	61173-1 1/5	6.0183	.00601	22.980	11.690	.01168	.29875
219	PBW 180017	-13.689	-.01368	3.5974	-.12399	-.00012	-.04482
220	LCSW-1	962.99	.96312	5536.3	5315.9	5.3145	504.06
221	RL LCSW-1	64.965	.06496	1066.2	515.72	.51556	10.163
222	CCV	4858.2	4.8585	9882.2	5006.1	5.0061	4942.5
223	CCB	-1.8641	-.00186	3.0427	-1.6352	-.00163	-.06196
224	61322-1 1/10 180221	155750.	155.73	1025.3	2972.4	2.9447	1080.5
225	61322-2 1/10	211030.	211.01	1211.3	2182.0	2.1449	1298.0
226	61322-3 1/10	50645.	50.637	1314.9	2158.4	2.1490	316.43
227	61322-4 1/10	28189.	28.185	703.67	2343.7	2.3382	264.66

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
228	RL ICP	48.895	.04889	995.35	507.76	.50761	9.9105
229	RL ICP	59.877	.05987	991.92	503.55	.50340	9.8268
230	ICSA61	188400.	188.37	-8.7871	523860.	523.63	-1.3278
231	ICSAB61	187530.	187.50	-8.6719	519760.	519.54	488.98
232	CCV	4869.3	4.8696	9861.3	5039.9	5.0399	4969.4
233	CCB	3.5642	.00356	4.7530	-3.0181	-.00301	-.03278

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
1	HIGH STD 00034	993.48	14960.	4952.2	993.22	9924.1	994.19
2	ICV 00190	991.80	9719.5	985.80	973.41	991.44	946.77
3	ICB	.89337	-112.46	-.28480	-.39118	4.1821	-.89897
4	RL ICP 00045	9.1891	931.79	41.208	10.499	25.185	20.032
5	RL ICP 00045	10.297	837.27	41.186	10.683	22.031	17.413
6	ICSA61 00022	.18440	21.479	-.88727	-3.4065	5.0332	3.2014
7	ICSAB61 00038	994.94	-144.53	949.91	46.224	58.827	613.62
8	CCV 00072	501.44	7305.3	2487.1	499.50	4997.6	496.00
9	CCB	1.0721	-149.71	.08808	.68658	3.5563	2.7513
10	PBS 180221	.28719	-41.742	.75422	1.0763	5.2892	-1.7253
11	LCSS-1	506.13	4759.2	501.93	497.88	2002.7	480.59
12	61154-1	3.1103	-440.42	58.655	71.227	2.0683	3.0462
13	61154-1L	.28928	-333.35	10.793	15.947	4.9901	2.6008
14	61154-1A	472.07	4488.8	508.06	519.58	1848.9	446.62
15	61154-1S	484.42	4821.2	527.25	526.07	1956.8	465.52
16	61154-1SD	512.64	5128.7	539.13	557.20	2032.6	493.65
17	CCV	496.30	7200.0	2465.6	495.99	4971.4	492.16
18	CCB	.18321	-112.30	.95220	.83190	1.9186	.75236
19	PBS 180131	-1.7121	-277.26	-.16555	.73941	.09074	-2.5000
20	LCSS-1	532.52	5050.2	527.22	521.57	2093.3	502.03
21	61109-1	1.9367	-44.924	47.785	45.828	2.2751	3.5302
22	61109-2	6.3368	-261.44	49.325	80.928	3.5766	2.6858
23	61109-2L	-.41191	-232.29	9.8435	14.810	2.6960	-.16186
24	61109-2A	487.52	4776.4	526.26	554.11	1945.9	470.55
25	61109-2S	497.65	4674.4	520.18	558.35	1946.2	470.88
26	61109-2SD	526.80	5111.9	565.54	611.15	2082.9	490.84
27	61109-3	5.0236	-150.48	23.418	113.54	5.9025	-1.3693
28	61109-4	7.4689	-131.39	51.468	108.87	3.5299	1.6092
29	CCV	486.44	7135.2	2425.9	488.75	4893.2	482.89
30	CCB	-.95345	-269.77	.15981	-1.0069	1.1007	-.92547
31	60987-4	5.7949	-311.75	203.16	3329.9	9.5161	167.71
32	60987-5	4.9010	-208.52	197.63	2112.5	8.5419	89.460
33	60987-6	4.6402	-149.87	193.29	3192.2	6.1063	189.56
34	60987-6S	491.60	4463.8	668.02	2974.1	1954.7	580.51
35	60987-6SD	511.51	4874.0	726.15	3295.2	2003.9	636.39
36	PBS 179451	-.17203	32.786	2.1785	1.4105	3.1764	1.2177
37	LCSS-1	521.00	4962.6	523.84	520.84	2106.0	507.40
38	60980-1	3.3988	5019.8	130.74	264.71	7.6412	2.5471
39	60980-1L	-.66528	746.95	25.466	56.133	.57182	-5.4402
40	60980-1A	474.96	9900.6	577.60	703.55	1873.4	454.91
41	CCV	493.76	7163.5	2445.6	490.33	4946.0	488.59
42	CCB	-.42324	-186.60	1.4948	.50879	5.5073	1.5445
43	60980-1S	447.49	10006.	598.15	816.41	1989.0	167.02
44	60980-1SD	438.57	10102.	604.11	653.66	1990.2	145.74

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
45	60980-2	1.0083	1890.3	128.27	146.44	5.5431	1.4830
46	60980-3	1.4276	1211.7	127.83	143.24	6.1502	-2.9368
47	60980-4	-.45911	651.16	63.540	64.950	1.6753	-.65272
48	60980-5	.77722	432.84	97.754	103.40	5.7744	2.2012
49	60980-6	.45907	1125.8	120.63	108.87	8.1626	.39419
50	60980-7	8.8904	688.25	190.95	1802.6	9.3535	7.0837
51	60980-8	1.7112	521.67	65.257	76.170	9.2076	.29754
52	60980-9	2.6126	568.91	74.512	736.11	4.7715	5.1676
53	CCV	507.40	7081.3	2492.9	501.13	5039.1	497.18
54	CCB	.50888	-186.49	1.1828	.06588	4.8538	-.33878
55	60980-10	1.6579	890.96	112.10	96.111	7.4771	3.1433
56	60961-1	35.651	370.54	275.81	349.07	10.901	5.3173
57	60961-2	38.511	294.05	242.74	276.73	11.234	6.5847
58	60961-3	247.52	859.24	225.86	475.16	7.3691	8.1867
59	60920-1	1044.1	H173980.	3957.7	H162260.	196.40	1563.5
60	60920-1 1/20	51.533	5446.2	214.10	8748.7	10.578	74.641
61	60920-1 1/100	12.222	904.85	43.719	1753.0	4.2873	14.749
62	61005-1	13.584	34.562	87.746	53.903	6.6800	182.67
63	61005-2	5.1929	-21.359	34.772	73.055	.99655	34.252
64	CCV	508.20	7311.0	2496.6	504.02	5063.9	494.52
65	CCB	.53619	-329.08	.40349	.07121	5.3516	-.58769
66	60870-2	302.33	152.55	3.4560	8375.5	185.59	128.68
67	60869-4	274.01	9183.2	22.846	3227.6	7.6659	118.42
68	60975-1	26.567	865.89	114.97	57.619	12.582	.77041
69	PBW 179540	.18294	-31.657	.22086	.50189	2.7289	3.5592
70	LCSW-1	537.83	4959.3	526.73	528.38	2157.9	504.19
71	60986-1	.04272	38607.	4.7222	.27228	.78176	-.22705
72	60986-1S	537.24	43968.	533.70	526.72	2143.1	512.11
73	60986-1SD	541.26	43851.	535.58	526.49	2148.4	517.69
74	60994-1	2.0232	11105.	1.7901	8.8615	7.2045	-.80474
75	60994-1L	-.80487	1932.3	1.0126	2.9081	4.2238	-2.0187
76	CCV	515.60	7289.9	2520.1	510.02	5121.2	493.47
77	CCB	.80543	-226.68	1.7554	-.79780	4.5521	1.1208
78	60994-1A	502.25	15823.	481.61	488.81	1986.3	470.98
79	60944-2	66.139	H1140e3	33.756	3.2312	15.051	.01208
80	61012-1	-1.0816	27264.	1.4448	7.7990	6.9425	-.92182
81	61012-2	-1.2508	5863.6	.82148	2.6291	2.4406	-.79342
82	61012-9	.04506	9548.4	3.6260	74.715	4.5684	1.8292
83	60994-1	1.4583	11127.	.40457	-.92037	7.4852	-1.0177
84	60994-2	68.378	H1181e3	35.979	2.4858	8.5200	-1.9208
85	CCV	512.88	7393.3	2509.7	507.60	5084.3	493.25
86	CCB	-.62533	-54.342	-.06609	2.0379	3.6916	-.54864
87	PBW 179845	-1.9271	-239.97	-.03908	.27494	3.2911	1.3488
88	LCSW-1	542.02	4969.4	527.62	526.82	2154.7	511.89
89	60917-5	14.121	24840.	1.0655	.14857	3.3088	-.62492
90	60917-5S	567.15	30787.	532.43	533.19	2220.5	526.99
91	60917-5SD	562.94	30156.	528.06	526.12	2194.3	525.62
92	61093-1	63.865	11791.	15.999	.45729	2.7587	3.0591
93	61093-1L	12.425	1917.1	3.3601	.47928	1.8024	.42617
94	61093-1A	578.78	16598.	489.31	474.34	1978.5	460.52
95	CCV	514.15	7302.3	2516.4	508.72	5121.7	497.44
96	CCB	.00603	-201.97	-.41733	.96136	3.2754	-2.1538
97	PBW 179840	-.88796	-179.25	.11067	1.7664	3.5703	-1.3932
98	LCSW-1	515.72	4702.8	499.76	504.06	2043.5	477.16

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
99	61032-1	59.425	H3484e3	4.1311	.76426	.71149	-5.6409
100	61032-1L	11.361	H620510.	1.6810	.14327	1.8477	-.90457
101	61032-1A	592.64	H3547e3	495.97	496.77	2090.3	481.85
102	61032-1S	593.16	H3367e3	498.51	493.58	2148.5	494.05
103	61032-1SD	625.35	H3545e3	533.06	534.65	2255.5	530.16
104	61031-3	53.032	H122540.	180.91	1.5511	2.3527	-1.3977
105	61052-1	.69269	61314.	19.572	4.9892	7.1161	-1.4316
106	61052-1S	522.38	67566.	532.44	512.73	2055.7	492.19
107	CCV	500.39	7399.4	2462.4	500.47	5006.4	486.45
108	CCB	.40109	-147.41	1.0184	-.38027	5.5219	-.53391
109	61052-1SD	508.72	64769.	515.08	504.23	2018.3	481.16
110	61052-2	5.0119	H697560.	13.376	.76108	4.7753	1.1143
111	61056-1	2.0844	33917.	15.660	7.1788	-.41820	.43924
112	61067-1	1.5739	H7196e3	30.681	1.4651	-.37887	3.0942
113	61093-1	61.416	11763.	19.461	.64030	.09070	3.8377
114	61096-1	.37382	H687860.	21.286	.24055	4.2156	-2.2556
115	61065-1	.83944	6636.4	.57488	-1.1201	2.1811	-.51797
116	61123-1	49.611	H2068e3	158.13	4.5335	2.3185	-.60342
117	61124-1	391.52	H1196e3	56.546	405.41	-3.2785	17.419
118	61124-2	243.83	H1194e3	32.185	65.669	-4.0825	15.095
119	CCV	505.42	7633.0	2495.3	507.78	5069.8	491.77
120	CCB	-.73077	-137.72	1.0054	1.1803	7.9403	4.2137
121	61124-4	137.61	H313870.	15.197	33.353	-.14162	8.3925
122	61173-1	-.18021	2047.4	-.85040	2.3237	2.7884	-1.2513
123	61181-1	-.00006	6021.6	3.1849	1.1393	3.6913	1.3559
124	61181-2	-2.5365	3439.2	1.0901	1.7186	2.6168	-1.9865
125	PBW 179841	-.35863	-131.38	-.90596	1.7643	-1.3189	-1.6222
126	LCSW-1	518.34	4815.5	511.67	517.56	2087.9	491.46
127	61090-1	28.603	61918.	2.9111	-.32596	5.1466	-.05761
128	61093-1	59.476	11677.	20.169	-.41996	3.3212	4.4314
129	61130-1	-1.2117	50572.	-.14319	.68035	-.16330	-2.7589
130	61130-1L	-2.1848	8620.8	-.70949	-.83919	1.7492	-2.8277
131	CCV	498.93	7283.7	2474.8	503.22	5009.1	490.29
132	CCB	.73874	-346.02	.20154	-1.2025	.81260	2.9024
133	61130-1A	505.98	54775.	516.71	515.85	2085.5	489.23
134	61130-1S	522.59	55138.	519.95	519.34	2102.4	500.84
135	61130-1SD	514.79	55905.	515.82	511.39	2081.5	499.05
136	61130-2	-.90461	17350.	.04876	2.5015	5.7078	-1.4965
137	61130-3	-.76403	13590.	1.0749	.61714	2.4296	.33501
138	61150-1	5.8269	44577.	2.1123	1.8152	5.1649	3.2422
139	61150-7	12.269	65125.	1.5221	.29008	3.6226	-5.4661
140	PBW 180019	.36451	-238.99	1.2626	1.3819	2.0403	-2.1875
141	LCSW-1	517.05	5044.0	509.56	513.91	2117.9	444.49
142	RL LCSW-1	9.9531	819.57	42.030	11.330	26.985	19.199
143	CCV	503.46	7292.6	2495.5	506.20	5042.8	491.36
144	CCB	.56045	-144.01	.49854	.71513	3.4708	-.08179
145	61177-1	.69871	16366.	.61440	1.7270	-.01344	-.20207
146	61177-1L	-.54379	3277.9	1.2899	1.2146	5.7628	-2.1387
147	61177-1A	469.07	21130.	495.23	511.62	2104.1	451.66
148	61177-1S	495.43	21312.	484.72	487.18	2011.3	439.36
149	61177-1SD	518.82	21583.	503.23	508.70	2084.0	456.04
150	61061-1	49.137	21333.	.76996	2.2447	15.556	2.2428
151	61061-2	1.2678	H238170.	.10836	.73962	9.3984	-2.2175
152	61061-3	9.0186	H176370.	.23539	.41005	8.3338	-3.4690

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
153	61121-1	26.369	20399.	.43508	-.95080	10.060	-6.4745
154	61121-3	12.933	H104090.	.80813	.96628	15.144	-.74288
155	CCV	498.54	7225.7	2485.8	505.71	5020.2	493.72
156	CCB	.52382	-230.44	1.3269	.84614	4.2874	-2.1960
157	61122-1	1.6412	28321.	.86072	.54880	1.9884	-2.7435
158	21993-1	.69963	19141.	1.2401	2.1776	5.2006	-3.6539
159	21993-2	1.1862	19401.	1.2508	-.17712	5.2898	-.78117
160	61061-1 1/20	1.4521	820.32	.36678	-1.5302	3.5454	-5.8064
161	61061-2 1/20	1.2381	10205.	-.50164	-.81017	4.2324	.53311
162	61061-3 1/20	-1.2527	7496.2	-.66756	1.4596	5.2354	-.21161
163	61121-1 1/20	.81834	831.23	-.69110	-.45353	-.82130	-1.5705
164	61121-3 1/20	1.3045	4815.3	.79939	-1.3262	2.2579	-2.6281
165	61122-1 1/20	-.10771	1052.1	-.24423	.10306	4.6180	2.8345
166	CCV	497.54	7344.7	2490.2	504.23	5013.8	497.42
167	CCB	.37773	-245.63	-.29981	.74648	4.3061	-1.2287
168	PBW 180017	-.69429	-285.15	1.5734	.28514	7.3022	2.4387
169	LCSW-1	519.51	4943.4	504.30	508.37	2054.1	483.77
170	RL LCSW-1	10.227	821.26	41.791	10.454	22.714	19.540
171	29873-9 1/10	1.1421	1343.1	10.566	.63441	4.3169	-1.5168
172	29873-15 1/10	-.22279	1242.4	2.9215	2.5640	3.8884	-.83389
173	29873-16 1/10	.56587	-16.108	.11473	.72103	3.7524	-2.1295
174	61112-1	-.03599	H159360.	-.19947	-1.0454	2.7307	-1.5749
175	61112-1L	-2.2227	28543.	.10080	1.4536	5.9610	-1.6884
176	61112-1A	494.05	H162100.	489.08	490.39	1984.9	465.45
177	61112-1S	532.76	H163440.	525.54	521.22	2120.4	506.96
178	CCV	500.31	7442.6	2493.7	507.49	5027.7	495.49
179	CCB	1.4562	-57.332	.88009	.39799	5.7645	-2.6443
180	61112-1SD	519.41	H162180.	510.53	507.62	2066.0	493.12
181	CCV	501.62	7298.5	2496.7	507.84	5037.6	495.77
182	CCB	1.0849	13.951	1.0316	1.1955	1.9170	-4.2961
183	PBW 180163	.70796	-104.93	.40865	.85063	3.0461	-2.2569
184	LCSW-1	534.36	5113.6	518.44	522.29	2084.1	493.74
185	LCSD	516.05	4795.2	518.99	522.98	2088.3	500.67
186	61291-1	1.6283	6234.7	17.102	13.152	3.0865	-2.4441
187	61291-2	.70654	5679.4	6.7783	7.7651	2.9379	-2.5893
188	61291-3	70.014	10605.	333.10	858.41	110.36	24.696
189	61291-4	4.6647	7454.3	14.946	8.9629	1.4639	.77031
190	61291-5	1.1460	7270.7	7.8500	13.447	7.3410	1.4139
191	61291-5L	1.2295	1215.0	1.5669	2.4104	1.9379	-.77178
192	61291-5A	502.00	12282.	519.35	523.50	2034.0	487.71
193	CCV	502.96	7409.6	2489.1	505.51	5014.1	493.85
194	CCB	-.40952	-119.20	.88924	-.14628	5.0147	-.40941
195	61291-5S	500.94	11841.	502.20	506.29	1961.8	457.87
196	61291-5SD	489.44	11319.	489.24	493.86	1915.7	448.52
197	61291-6	3.1270	6057.1	11.350	38.318	3.5485	1.4918
198	61291-7	.75308	1706.5	8.0895	7.1488	.01148	-2.9509
199	61291-8	-.59309	3084.8	9.8471	5.7820	.29160	-1.6489
200	61291-9	-1.8241	2703.0	9.1970	3.7246	2.3066	.77333
201	61291-10	.45708	2892.6	9.7870	7.0523	5.3242	1.2443
202	CCV	496.61	7326.6	2469.2	500.00	4965.2	486.55
203	CCB	1.6291	-229.19	1.8622	.10345	4.2810	-1.9639
204	61322-1 180221	56.179	75253.	600.41	H33910.	10.881	132.10
205	61322-2	72.034	H213020.	463.03	H24972.	16.299	117.44
206	61322-3	33.695	H158330.	209.37	H43999.	7.4745	38577.

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
207	61322-4	18.192	H103280.	217.70	H22220.	5.7151	H77965.
208	61283-1	13.096	-274.65	54.796	93.618	8.6236	122.44
209	CCV	501.44	7250.2	2504.4	509.66	5035.5	528.51
210	CCB	-.45312	-254.09	1.1400	1.0394	2.5989	15.987
211	CCV	489.29	7369.7	2447.7	497.94	4913.8	490.51
212	CCB	-1.4768	-154.29	.22511	-.91700	4.5272	1.2536
213	PBS 180221	1.3846	-1.8006	.40394	-.59956	3.6244	.18374
214	PBS 180221	-.00043	-187.93	-.20092	.46038	-.31164	-2.7239
215	61056-1 179840	.65978	33758.	13.987	6.4655	5.4181	-1.1274
216	61056-1L	-.03803	6641.4	3.2432	2.4200	5.9916	-2.3816
217	61056-1A	495.95	38926.	516.34	516.09	2058.3	500.08
218	61173-1 1/5	2.7068	203.06	.43229	2.2429	4.2237	1.9791
219	PBW 180017	1.0877	-24.572	-.16030	.94624	4.0422	1.6768
220	LCSW-1	521.22	4857.8	506.52	506.93	2053.2	483.46
221	RL LCSW-1	11.114	750.86	41.629	10.292	24.014	21.117
222	CCV	500.25	7511.6	2484.5	502.86	4974.1	492.77
223	CCB	.82313	-86.887	.59198	-1.3674	3.4654	-1.7190
224	61322-1 1/10 180221	4.8707	6723.8	61.422	3619.8	1.5621	10.603
225	61322-2 1/10	6.9256	15279.	47.702	2601.8	6.7065	11.274
226	61322-3 1/10	2.4640	12990.	20.327	4357.9	4.0433	3495.1
227	61322-4 1/10	1.3215	7352.7	22.105	2193.8	4.4726	7470.0
228	RL ICP	9.4040	888.23	41.537	9.1449	25.137	26.189
229	RL ICP	10.455	999.68	40.615	8.9654	25.374	19.494
230	ICSA61	-1.2836	-163.17	.02813	-3.7133	9.3982	-1.7282
231	ICSAB61	987.81	-93.830	942.25	45.856	56.989	606.79
232	CCV	500.83	7345.7	2496.1	507.61	4976.9	491.97
233	CCB	1.2294	-325.86	-.26512	.20628	3.0364	-1.9882

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
1	HIGH STD 00034	9916.3	4969.0	992.74	9927.7	9959.5	4960.3
2	ICV 00190	985.19	1005.7	959.62	972.29	966.09	993.03
3	ICB	.06030	-.02664	.18551	2.3437	.34795	-.16416
4	RL ICP 00045	52.733	10.248	10.165	29.364	10.698	21.462
5	RL ICP 00045	49.824	10.371	9.9870	30.930	10.085	21.995
6	ICSA61 00022	-.54314	2.4022	1.8018	-2.4967	-9.9287	3.7583
7	ICSAB61 00038	980.26	2.3952	1.9025	106.48	495.58	984.76
8	CCV 00072	4984.8	2536.0	497.60	5009.0	4968.5	2506.0
9	CCB	-.80273	-.03667	.08193	1.7899	.76923	-.57182
10	PBS 180221	11.703	.05401	.32478	.23775	.51487	1.8904
11	LCSS-1	1011.7	517.13	696.08	2063.0	492.69	511.23
12	61154-1	18.075	132.77	4555.5	3.0595	232.41	419.69
13	61154-1L	3.1520	26.128	912.46	.24601	45.202	86.933
14	61154-1A	986.19	631.46	5341.3	1882.6	666.75	867.65
15	61154-1S	983.38	620.85	3691.5	1997.7	578.14	1310.3
16	61154-1SD	1033.5	678.87	3699.3	2095.8	595.83	990.03
17	CCV	4926.5	2515.4	495.52	4972.2	4914.9	2478.3
18	CCB	-.73086	.31738	.37373	2.5465	1.3164	.16245
19	PBS 180131	12.377	-.00743	.15836	4.3838	.30073	1.7172
20	LCSS-1	1064.3	551.92	740.91	2172.3	518.18	533.59
21	61109-1	19.132	113.77	3701.0	6.1048	106.16	286.90
22	61109-2	17.337	290.74	3598.2	5.5597	118.03	1090.1
23	61109-2L	2.9157	59.443	733.49	4.2129	24.717	226.37

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
24	61109-2A	1004.1	803.19	4537.2	1995.6	593.75	1558.4
25	61109-2S	991.37	933.32	3877.1	2017.5	566.53	1431.6
26	61109-2SD	1061.1	944.29	4277.1	2140.6	629.84	1843.2
27	61109-3	17.746	122.47	2786.5	4.3304	72.043	213.09
28	61109-4	15.621	109.20	3073.8	3.7337	82.985	301.74
29	CCV	4826.5	2480.3	485.65	4891.8	4814.5	2431.3
30	CCB	-1.1028	.33492	.27964	3.5302	1.5171	1.1440
31	60987-4	147.92	155.68	7436.8	10.102	262.40	1284.7
32	60987-5	86.960	144.90	7332.8	4.4612	261.55	937.50
33	60987-6	119.21	140.69	7417.4	12.493	249.46	1039.1
34	60987-6S	1094.2	666.14	8182.9	1979.6	727.96	1420.1
35	60987-6SD	1170.5	689.07	7909.4	2050.0	747.46	2128.9
36	PBS 179451	10.670	-.01975	1.3211	.49961	-.02108	2.7686
37	LCSS-1	1036.2	535.26	716.14	2175.7	513.77	533.89
38	60980-1	17.321	521.44	1760.7	13.046	336.38	573.47
39	60980-1L	-1.6511	103.41	347.73	3.7253	64.992	114.73
40	60980-1A	985.77	1021.0	2677.5	1904.5	781.03	1021.4
41	CCV	4878.6	2506.6	487.34	4960.6	4837.6	2448.6
42	CCB	.24355	.52967	.39407	3.0414	1.7267	.41251
43	60980-1S	964.84	1075.3	2129.2	2044.8	780.00	1063.0
44	60980-1SD	967.16	1079.5	1939.2	2056.0	792.63	1055.7
45	60980-2	17.077	921.41	718.60	13.936	333.94	509.53
46	60980-3	18.073	746.25	1452.9	1.6604	324.88	500.93
47	60980-4	14.096	1140.9	800.84	4.3588	206.46	234.11
48	60980-5	17.445	834.39	721.96	7.8391	284.22	387.24
49	60980-6	21.226	869.30	1335.1	8.7875	288.07	501.30
50	60980-7	2446.4	1854.1	505.36	8.2596	181.48	2332.3
51	60980-8	28.884	1072.0	608.11	5.5063	201.97	217.85
52	60980-9	102.58	1616.7	669.25	2.3777	232.77	1449.3
53	CCV	4977.2	2564.1	494.64	5075.3	4902.8	2494.2
54	CCB	-.92130	.21032	.05762	2.3253	.59719	.05486
55	60980-10	20.055	1487.2	1231.8	6.4242	341.11	405.86
56	60961-1	29.940	263.39	1329.4	5.0170	273.63	1155.4
57	60961-2	23.454	322.17	1371.5	8.1882	273.16	953.98
58	60961-3	31.501	323.10	1804.2	1.2848	195.57	1496.4
59	60920-1	5581.6	471.08	2913.2	-19.630	5787.0	H423930.
60	60920-1 1/20	295.48	23.118	146.83	5.2487	285.32	H75421.
61	60920-1 1/100	58.123	4.5587	29.632	3.4015	56.700	16262.
62	61005-1	348.44	195.31	917.52	5.8984	231.18	352.49
63	61005-2	69.871	80.960	604.34	4.5943	236.51	112.01
64	CCV	4991.4	2569.7	492.37	5111.3	4877.2	2446.3
65	CCB	-.76923	.27765	.36416	3.8022	.12461	2.7176
66	60870-2	52.072	14.631	38.643	.38735	-1.2086	210.94
67	60869-4	163.04	297.89	2910.5	3.2736	795.48	14736.
68	60975-1	19.835	1226.1	1162.4	4.1708	420.86	1540.4
69	PBW 179540	-.15462	-.01033	.35534	4.0701	.09736	2.5915
70	LCSW-1	1054.0	554.04	725.88	2210.7	507.35	524.42
71	60986-1	-2.1886	134.00	3.0417	3.2532	3.6287	57.967
72	60986-1S	1055.3	684.60	727.68	2198.8	509.77	584.57
73	60986-1SD	1063.3	686.60	729.28	2219.4	511.25	587.38
74	60994-1	-1.7932	225.48	55.938	.52419	3.4096	117.28
75	60994-1L	-.78197	44.179	20.597	-.40607	1.6271	36.940
76	CCV	5036.6	2603.2	496.69	5166.5	4903.4	2483.9
77	CCB	-1.3604	.19132	-.00130	9.1913	.50831	15.443

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
78	60994-1A	1013.3	742.76	1032.8	2024.9	472.75	594.01
79	60944-2	80.122	3407.6	.95066	5.3841	61.998	11.325
80	61012-1	2.1605	704.60	30.276	4.2509	12.869	6.0595
81	61012-2	1.9009	135.05	5.1604	4.6282	3.9276	4.2290
82	61012-9	1.0166	3053.0	136.71	2.7650	80.706	13.271
83	60994-1	-1.8237	221.69	.44086	7.3232	.11213	18.356
84	60994-2	89.058	3298.6	.85610	2.5120	66.834	10.569
85	CCV	5015.4	2582.7	493.95	5134.7	4873.8	2495.6
86	CCB	-.54034	.35391	.36451	3.9678	.69067	.83236
87	PBW 179845	-.64034	.14671	.37501	2.6100	.24726	.29282
88	LCSW-1	1050.3	552.11	722.45	2223.9	505.42	529.63
89	60917-5	-1.6555	408.18	.54245	1.3167	-.78713	3.6453
90	60917-5S	1079.1	964.74	737.96	2261.2	517.66	537.19
91	60917-5SD	1068.9	953.57	730.38	2242.2	513.69	532.02
92	61093-1	-.77580	76.038	.24764	2.9223	-.23662	.96038
93	61093-1L	-1.8013	15.206	.16561	3.2821	.10069	.33538
94	61093-1A	1050.3	613.91	1006.8	2022.2	464.31	477.42
95	CCV	5038.0	2588.1	495.14	5159.6	4880.8	2499.2
96	CCB	.56603	.30981	.20478	2.4633	.27673	3.3678
97	PBW 179840	.85368	-.03312	.02581	4.3316	.72093	1.0679
98	LCSW-1	1007.0	522.72	688.15	2130.2	481.90	503.50
99	61032-1	84.371	18.752	.31352	-2.9947	.39003	15.330
100	61032-1L	16.249	3.7381	.21434	2.1557	.40479	3.6046
101	61032-1A	1178.3	534.68	990.68	2126.7	475.65	535.62
102	61032-1S	1137.4	511.87	675.27	2204.9	479.98	537.42
103	61032-1SD	1206.3	546.86	720.61	2291.9	511.41	571.14
104	61031-3	-.05575	137.35	2.2481	2.9960	1.9562	62.959
105	61052-1	-3.1247	81.681	287.26	1.8894	27.633	74.922
106	61052-1S	1043.5	612.39	990.27	2145.0	520.11	587.42
107	CCV	4932.4	2506.6	484.59	5025.0	4807.3	2460.7
108	CCB	1.9571	.23293	.12794	5.7896	.85812	.36252
109	61052-1SD	1014.4	595.81	959.97	2111.5	509.88	570.55
110	61052-2	-.69684	169.43	.91902	5.0545	2.9444	35.341
111	61056-1	1.2986	219.43	149.93	1.4154	21.498	39.605
112	61067-1	18.537	99.399	1.7671	-8.7980	.21859	50.329
113	61093-1	-2.7306	73.457	.36823	.42031	-.04660	17.668
114	61096-1	-.45557	160.77	.07844	4.5006	.02399	8.9711
115	61065-1	-.25825	250.83	.00681	1.0844	.26030	56.735
116	61123-1	16.287	139.72	16.786	4.2218	25.374	75.198
117	61124-1	62.374	435.52	76.919	-3.2297	13.149	2907.9
118	61124-2	17.492	18.404	.71543	-2.5262	4.9003	781.85
119	CCV	5000.3	2528.4	490.91	5086.0	4899.3	2502.5
120	CCB	1.2140	.22430	.18619	5.5409	.41193	.43103
121	61124-4	5.9343	120.95	.51192	1.1606	2.2187	237.85
122	61173-1	.81099	3.4349	.11185	-5.7210	.46227	H61120.
123	61181-1	-1.0320	214.67	.05446	-1.2743	.69588	22.167
124	61181-2	.49823	16.765	.23293	.62914	.66656	23.166
125	PBW 179841	-1.5018	-.01563	.16716	-.42953	-.30854	1.2320
126	LCSW-1	1031.1	526.56	702.96	2153.9	498.19	516.70
127	61090-1	-4.3368	602.06	.23733	8.0724	-1.8775	7.7981
128	61093-1	-.31433	72.927	.39113	1.2447	-.02713	4.9895
129	61130-1	-4.3747	29.481	.27406	.62643	-.79532	22.174
130	61130-1L	-1.6313	5.1425	.05058	.14214	-.93605	4.8687
131	CCV	4969.2	2498.3	487.07	5025.0	4868.7	2470.9

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
132	CCB	1.6852	.19820	.32587	2.9671	.43720	.49015
133	61130-1A	1056.6	559.46	1004.8	2132.9	500.46	551.73
134	61130-1S	1045.9	559.31	711.05	2171.0	504.61	555.53
135	61130-1SD	1039.6	551.37	701.17	2150.6	499.33	549.76
136	61130-2	.99317	77.799	1.4812	3.7782	.00338	1.2087
137	61130-3	-.69556	39.281	.86600	6.5615	.81098	8.6641
138	61150-1	1.6506	71.217	.54308	2.5873	1.8775	46.369
139	61150-7	-3.9457	91.780	.22291	-4.0525	2.1703	36.102
140	PBW 180019	-2.5610	-.01949	-.05125	2.6764	-.48166	-.05239
141	LCSW-1	985.24	535.64	706.09	2122.5	497.91	521.80
142	RL LCSW-1	38.182	10.662	10.076	26.960	9.7426	22.544
143	CCV	5023.7	2507.1	492.34	5068.1	4922.4	2502.4
144	CCB	.94266	.40663	.59774	7.0121	.82968	.38102
145	61177-1	-2.9560	332.91	-.01299	1.2515	.17645	249.72
146	61177-1L	1.2098	68.064	.18882	5.1607	.49669	51.251
147	61177-1A	933.54	814.51	930.08	2071.9	485.60	752.36
148	61177-1S	959.09	826.50	676.43	2011.8	475.65	740.39
149	61177-1SD	1016.4	855.66	709.60	2100.3	494.54	764.76
150	61061-1	1.9523	4455.0	.62660	7.4999	.69310	.71311
151	61061-2	-1.9297	H12688.	.51728	2.3102	-.38644	.49441
152	61061-3	-2.5418	H12860.	.28305	.12495	-1.0289	.47115
153	61121-1	-.52734	3816.8	.32238	2.9126	.87417	1.1696
154	61121-3	-3.3155	H14961.	.21583	5.1725	-.62668	-.41673
155	CCV	5014.1	2479.2	490.64	5045.1	4918.6	2493.9
156	CCB	.91357	.48703	.44472	5.6398	1.4534	.26908
157	61122-1	-1.8553	72.995	.23919	7.6944	1.7795	18.624
158	21993-1	-.24431	86.659	.29099	2.8005	.43679	23.383
159	21993-2	3.2186	90.540	.21835	3.6019	.74161	.43440
160	61061-1 1/20	-1.6594	229.58	.06221	.33846	-.38740	.58016
161	61061-2 1/20	-.46292	681.76	-.00726	4.1842	.21689	-.24523
162	61061-3 1/20	-1.6156	693.20	.30169	2.4358	-.01967	.15041
163	61121-1 1/20	-1.7070	197.91	.20556	-.69127	-.51557	.49211
164	61121-3 1/20	55.331	808.50	.29967	3.2572	.24573	1.0086
165	61122-1 1/20	-1.1875	3.6628	.07928	1.3981	-.32140	.68634
166	CCV	5017.7	2475.0	489.98	5041.6	4918.4	2502.2
167	CCB	-.10235	.22282	.12492	4.1891	.52026	.21521
168	PBW 180017	-.69409	.01542	-.05058	1.2771	.53358	.59593
169	LCSW-1	1054.6	528.45	710.04	2099.1	491.41	515.37
170	RL LCSW-1	55.550	10.447	10.251	29.460	9.9338	22.546
171	29873-9 1/10	.96303	78.794	.50631	-.79928	.41816	12.367
172	29873-15 1/10	-.43535	68.755	.32357	2.2027	1.6209	10.572
173	29873-16 1/10	1.7703	.43676	.42384	3.2626	-.08308	6.0772
174	61112-1	.66597	1.7984	.24827	.49746	.28810	5.3129
175	61112-1L	-.41881	.35177	-.01319	-2.1437	-.34295	.63576
176	61112-1A	1035.5	510.43	974.67	2010.6	473.08	514.73
177	61112-1S	1094.9	538.89	723.22	2175.5	506.94	551.94
178	CCV	5041.7	2479.0	491.93	5053.5	4936.9	2514.5
179	CCB	-.70627	.23844	.14875	6.8452	.22749	.43922
180	61112-1SD	1065.6	525.16	703.15	2112.1	493.85	536.95
181	CCV	5047.3	2490.8	492.28	5076.0	4944.4	2517.3
182	CCB	.46950	.29108	.22546	9.0278	.64791	.24121
183	PBW 180163	-.66973	-.00790	.10703	2.2735	.36201	.21039
184	LCSW-1	1064.1	536.04	725.09	2145.8	507.36	524.56
185	LCSD	1032.5	518.34	701.58	2159.2	507.63	527.42

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
186	61291-1	-2.6060	80.794	81.610	-.62022	19.393	15.571
187	61291-2	-2.1798	140.00	49.640	1.2761	11.262	3.0782
188	61291-3	25.159	4763.1	1423.5	9.5070	1176.5	110.53
189	61291-4	-.78605	70.987	77.594	-2.7626	12.301	9.8985
190	61291-5	-1.0713	122.36	74.080	2.7547	18.546	4.8935
191	61291-5L	-.97671	24.123	16.334	3.2955	3.7890	1.2698
192	61291-5A	1036.6	646.97	1092.6	2108.6	515.95	522.22
193	CCV	5019.2	2486.9	490.94	5062.0	4918.8	2503.0
194	CCB	-.48664	.41190	.17977	8.1711	1.1458	.24329
195	61291-5S	1010.4	656.06	724.96	2046.8	506.55	504.98
196	61291-5SD	984.40	640.45	708.75	1997.9	493.11	488.64
197	61291-6	-.58181	405.36	157.72	1.6607	43.030	9.4485
198	61291-7	-2.8786	140.14	50.942	.78678	11.137	6.3233
199	61291-8	-2.5801	31.909	44.767	2.6366	5.6475	12.277
200	61291-9	-3.8905	29.344	38.986	-2.6513	6.1086	5.0768
201	61291-10	-1.3391	51.396	71.369	3.0813	9.9430	5.6401
202	CCV	4964.6	2474.0	485.76	5008.6	4868.9	2481.5
203	CCB	2.1420	.49386	.37745	8.3331	1.5307	.45248
204	61322-1 180221	27.144	803.36	797.43	13.551	610.40	H187090.
205	61322-2	42.869	543.52	1554.0	10.256	516.56	H438850.
206	61322-3	94.802	554.01	7906.6	-1.5564	254.59	H305570.
207	61322-4	121.23	1514.7	5768.6	.49781	347.01	H405530.
208	61283-1	16.844	23.141	998.16	7.9543	262.73	249.08
209	CCV	5060.2	2505.6	494.06	5103.8	4938.8	2437.4
210	CCB	2.7966	.42325	.13172	5.1732	.57817	10.420
211	CCV	4925.2	2442.3	481.28	4949.8	4846.8	2410.2
212	CCB	.26412	-.01631	.04282	3.8136	.15310	.14324
213	PBS 180221	13.418	.03330	.09320	3.4142	.58669	2.2283
214	PBS 180221	11.629	-.01298	.03446	.96179	-.00849	3.0987
215	61056-1 179840	-.31495	210.23	146.71	2.6869	21.583	38.570
216	61056-1L	-1.1593	42.110	29.640	2.6638	4.7806	7.8653
217	61056-1A	1033.8	722.29	1128.7	2134.6	532.19	547.34
218	61173-1 1/5	1.2554	.67567	.37339	2.7169	.42831	12516.
219	PBW 180017	-1.2063	-.06696	.14845	-.86575	.34530	.96845
220	LCSW-1	1059.5	531.75	711.49	2111.2	493.86	508.09
221	RL LCSW-1	53.203	10.386	10.271	28.767	9.8582	22.116
222	CCV	5004.4	2473.4	487.65	5026.1	4896.8	2459.0
223	CCB	-1.1553	-.06341	.00334	4.6527	.31681	-.12344
224	61322-1 1/10 180221	3.2184	78.401	82.375	2.8803	57.946	26129.
225	61322-2 1/10	4.9241	51.711	164.68	8.0768	50.293	H116070.
226	61322-3 1/10	8.4220	52.850	757.12	.15668	23.255	H45641.
227	61322-4 1/10	12.044	148.89	585.63	5.5553	33.496	H84850.
228	RL ICP	51.483	10.118	9.9322	27.738	10.179	21.617
229	RL ICP	51.732	10.091	9.6300	26.723	10.457	21.031
230	ICSA61	3.6277	2.3494	1.6888	4.1327	-7.6862	4.9390
231	ICSAB61	980.63	2.3268	1.8401	102.25	485.24	955.44
232	CCV	5045.5	2474.7	488.94	5055.9	4921.6	2464.2
233	CCB	1.9516	-.06693	.08200	1.0389	.36667	-.06780

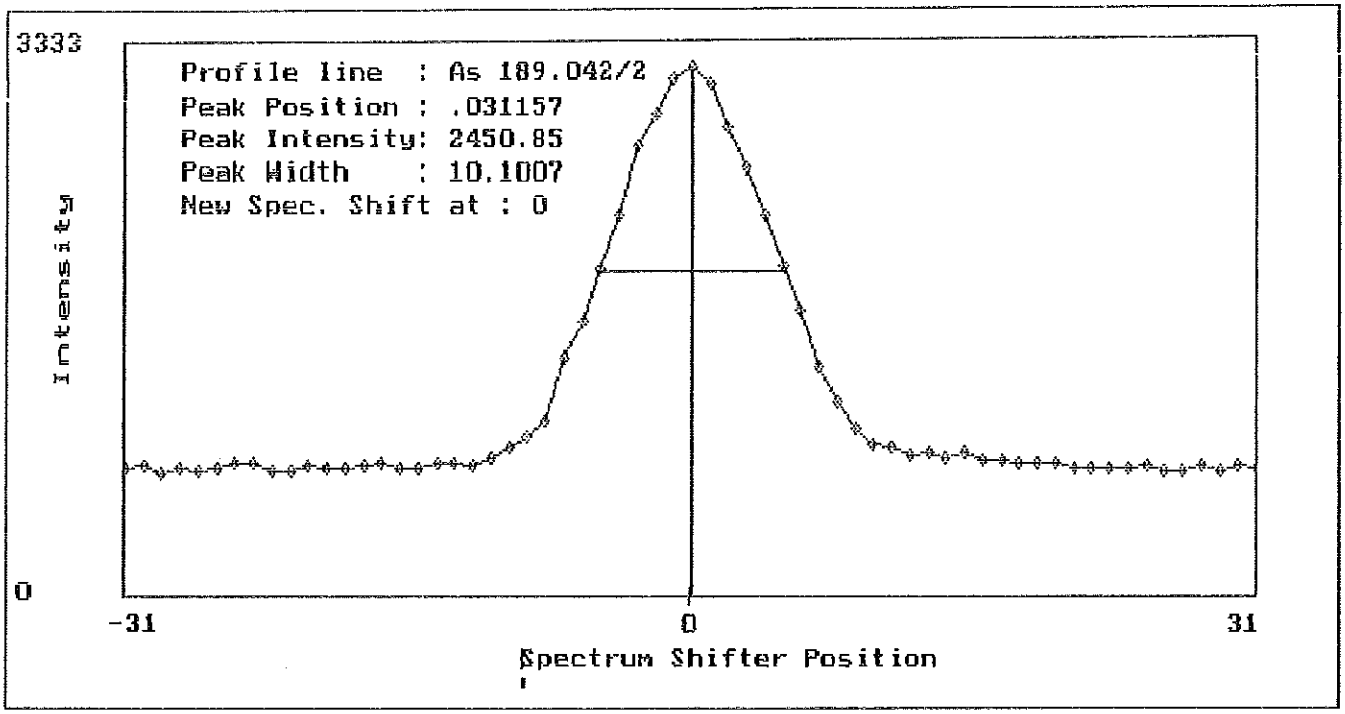
#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
1	HIGH STD 00034	988.34	995.64	9866.2	9953.0	992.278
2	ICV 00190	971.35	974.44	985.14	994.58	1011.39
3	ICB	-1.4096	.11728	2.3480	5.0978	1004.49
4	RL ICP 00045	9.0236	11.235	21.251	27.149	1006.95
5	RL ICP 00045	9.0640	11.492	26.064	20.017	991.309
6	ICSA61 00022	65.409	-37.763	2.6451	6.2254	936.437
7	ICSAB61 00038	112.27	13.249	57.574	59.453	926.89
8	CCV 00072	496.42	501.03	4979.0	5006.9	994.347
9	CCB	3.1663	-.55141	1.3826	4.6415	1007.25
10	PBS 180221	1.3546	.93744	5.7287	5.0698	1023.76
11	LCSS-1	496.39	498.62	1999.7	2004.2	1002.64
12	61154-1	82.481	65.609	-.39099	3.2961	1059.54
13	61154-1L	16.253	15.795	2.7956	6.0857	1012.97
14	61154-1A	530.41	514.17	1840.5	1853.0	1053.59
15	61154-1S	532.72	522.75	1939.7	1965.3	1060.68
16	61154-1SD	561.78	554.92	2018.6	2039.5	1016.43
17	CCV	492.67	497.65	4945.5	4984.3	1024.16
18	CCB	.55171	.97178	.38948	2.6820	1004.94
19	PBS 180131	1.4932	.36307	-1.1457	.70802	1017.28
20	LCSS-1	515.89	524.40	2075.7	2102.1	998.869
21	61109-1	55.300	41.099	-.68109	3.7510	1037.03
22	61109-2	87.447	77.673	4.5391	3.0961	1055.22
23	61109-2L	15.856	14.288	-.53922	4.3112	1022.23
24	61109-2A	558.87	551.74	1934.2	1951.7	1044.06
25	61109-2S	559.62	557.71	1929.9	1954.4	1014.28
26	61109-2SD	617.46	608.00	2059.4	2094.5	1033.37
27	61109-3	116.97	111.82	.88819	8.4059	1046.52
28	61109-4	115.68	105.47	-2.2897	6.4354	1038.03
29	CCV	481.84	492.19	4840.2	4919.7	1030.75
30	CCB	1.6953	-2.3560	-4.8604	4.0768	1003.81
31	60987-4	3322.3	3333.8	7.4620	10.542	1042.88
32	60987-5	2111.1	2113.2	-.39459	13.003	1028.74
33	60987-6	3167.2	3204.7	-4.4736	11.388	1032.38
34	60987-6S	2963.1	2979.6	1926.6	1968.8	1027.54
35	60987-6SD	3288.1	3298.7	1977.9	2016.9	1023.43
36	PBS 179451	3.7252	.25489	-.45771	4.9907	998.118
37	LCSS-1	515.15	523.68	2075.3	2121.3	992.313
38	60980-1	301.64	246.27	.28246	11.315	1042.62
39	60980-1L	53.947	57.224	-2.1649	1.9382	1009.11
40	60980-1A	737.29	686.70	1839.2	1890.5	1039.06
41	CCV	486.15	492.41	4860.3	4988.8	1011.35
42	CCB	2.5769	-.52370	5.7747	5.3739	998.463
43	60980-1S	843.52	802.88	1940.2	2013.4	1032
44	60980-1SD	687.04	636.99	1950.2	2010.2	1043.96
45	60980-2	184.28	127.55	1.3499	7.6365	1034.87
46	60980-3	184.89	122.45	.28082	9.0804	1031.33
47	60980-4	82.056	56.409	-3.2320	4.1253	997.459
48	60980-5	137.30	86.467	1.7408	7.7881	1018.73
49	60980-6	151.65	87.512	7.4703	8.5083	1035.5
50	60980-7	1781.6	1813.1	1.0891	13.480	984.268
51	60980-8	94.585	66.976	7.9269	9.8471	1005.08
52	60980-9	738.27	735.03	-2.8335	8.5683	996.32
53	CCV	490.98	506.20	4927.0	5095.1	1003

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
54	CCB	.80948	-.30535	7.1771	3.6939	999.345
55	60980-10	141.70	73.349	9.5936	6.4204	1016.43
56	60961-1	363.06	342.09	11.291	10.705	1038.56
57	60961-2	294.61	267.80	8.0378	12.830	1031.21
58	60961-3	477.86	473.82	1.2605	10.419	998.502
59	60920-1	158840.	163970.	195.25	196.98	923.097
60	60920-1 1/20	8511.2	8867.3	8.9318	11.401	1002.58
61	60920-1 1/100	1710.9	1774.0	5.9537	3.4553	1023.59
62	61005-1	68.791	46.470	1.4033	9.3143	1004.35
63	61005-2	83.051	68.064	-2.4653	2.7249	1012.29
64	CCV	499.02	506.52	4923.5	5134.1	1012.62
65	CCB	2.4140	-1.0984	2.5527	6.7490	1011.51
66	60870-2	8169.5	8478.3	178.79	188.99	1024.32
67	60869-4	3152.6	3265.0	9.9040	6.5486	1003.32
68	60975-1	90.389	41.259	11.530	13.107	1021.5
69	PBW 179540	1.3077	.09961	.98188	3.6011	1011.78
70	LCSW-1	515.27	534.92	2084.9	2194.4	1008.38
71	60986-1	3.3404	-1.2595	1.2600	.54300	1006.03
72	60986-1S	512.11	534.01	2077.4	2175.8	1003.72
73	60986-1SD	509.89	534.78	2058.9	2193.1	1002.65
74	60994-1	10.016	8.2849	1.3677	10.119	1008.11
75	60994-1L	7.2578	.73658	.94680	5.8598	1010.24
76	CCV	498.31	515.86	4956.7	5203.4	1002.56
77	CCB	.69376	-1.5425	4.1238	4.7660	1029.8
78	60994-1A	477.25	494.58	1921.1	2018.8	1013.09
79	60944-2	5.8987	1.8995	14.972	15.090	999.118
80	61012-1	9.4124	6.9935	5.2691	7.7780	1025.9
81	61012-2	5.5867	1.1525	4.6792	1.3229	1020.87
82	61012-9	78.845	72.653	2.1346	5.7835	1130.48
83	60994-1	1.4052	-2.0814	6.7579	7.8482	1008.37
84	60994-2	6.7318	.36597	11.831	6.8672	972.622
85	CCV	495.56	513.61	4928.2	5162.2	1008.45
86	CCB	-.62258	3.3662	.16549	5.4520	1014.36
87	PBW 179845	.11204	.35627	-1.7802	5.8229	1015
88	LCSW-1	513.29	533.57	2079.8	2192.1	1019.57
89	60917-5	-1.7609	1.1019	-2.1370	6.0275	1011.72
90	60917-5S	519.11	540.22	2145.5	2258.0	1011.52
91	60917-5SD	515.67	531.34	2122.5	2230.2	1012.31
92	61093-1	-1.1506	1.2600	-.74105	4.5060	997.302
93	61093-1L	1.9139	-.23696	2.0400	1.6837	991.008
94	61093-1A	464.17	479.41	1901.2	2017.1	991.204
95	CCV	500.07	513.04	4938.3	5213.3	999.629
96	CCB	3.0392	-.07599	2.9062	3.4597	998.904
97	PBW 179840	3.5773	.86231	5.3288	2.6923	998.398
98	LCSW-1	494.15	509.01	1975.9	2077.2	994.504
99	61032-1	-4.9235	3.6039	-2.5906	2.3601	930.535
100	61032-1L	-2.7387	1.5821	-2.4412	3.9889	987.219
101	61032-1A	488.50	500.90	2030.7	2120.1	926.786
102	61032-1S	484.86	497.93	2084.8	2180.2	931.412
103	61032-1SD	526.77	538.59	2204.1	2281.2	927.92
104	61031-3	3.3691	.64349	-2.3898	4.7204	970.082
105	61052-1	8.9199	3.0268	8.0562	6.6468	984.543
106	61052-1S	513.06	512.57	1997.6	2084.7	985.866
107	CCV	494.01	503.69	4871.3	5073.8	1000.14

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
108	CCB	1.8773	-1.5074	5.7535	5.4062	990.436
109	61052-1SD	504.92	503.88	1970.2	2042.3	989.463
110	61052-2	3.1261	-.41963	3.6136	5.3553	955.014
111	61056-1	9.4687	6.0355	-3.0658	.90361	976.184
112	61067-1	-.60266	2.4974	28.719	-14.906	883.672
113	61093-1	1.2768	.32253	-1.3618	.81588	970.772
114	61096-1	3.4443	-1.3589	4.8772	3.8853	964.111
115	61065-1	4.4353	-3.8936	3.3755	1.5847	982.204
116	61123-1	7.2120	3.1962	1.3447	2.8047	935.489
117	61124-1	403.08	406.57	38.424	-24.099	1034.16
118	61124-2	65.200	65.903	21.270	-16.740	961.051
119	CCV	503.88	509.72	4972.7	5118.3	974.085
120	CCB	-.55183	2.0451	1.1377	11.336	972.234
121	61124-4	34.231	32.915	1.7903	-1.1061	966.887
122	61173-1	.73037	3.1191	-1.9357	5.1469	970.994
123	61181-1	4.2451	-.41129	.57199	5.2486	956.441
124	61181-2	1.6362	1.7597	-1.7589	4.8014	970.475
125	PBW 179841	-.03190	2.6611	-4.8490	.44352	980.558
126	LCSW-1	511.84	520.41	2048.4	2107.7	975.508
127	61090-1	-1.7752	.39754	6.8308	4.3058	972.395
128	61093-1	-2.2203	.47885	-3.7720	6.8624	966.428
129	61130-1	-4.1860	3.1099	-5.9540	2.7277	973.238
130	61130-1L	-2.1192	-.20012	-7.1978	6.2159	978.297
131	CCV	501.79	503.93	4951.4	5038.0	978.249
132	CCB	-.34598	-1.6301	-1.3358	1.8852	969.017
133	61130-1A	512.49	517.53	2056.4	2100.1	970.615
134	61130-1S	517.72	520.15	2075.2	2115.9	971.466
135	61130-1SD	511.80	511.19	2057.1	2093.7	970.331
136	61130-2	.53151	3.4850	3.1024	7.0086	978.515
137	61130-3	.64972	.60088	2.7007	2.2943	976.027
138	61150-1	2.9517	1.2478	3.2136	6.1391	974.862
139	61150-7	-1.2228	1.0454	-.43563	5.6486	971.906
140	PBW 180019	2.4153	.86594	4.6394	.74266	991.859
141	LCSW-1	513.40	514.17	2092.8	2130.4	977.93
142	RL LCSW-1	10.463	11.763	26.503	27.225	972.4
143	CCV	505.49	506.55	4998.3	5065.0	967.083
144	CCB	-2.8642	2.5021	1.1688	4.6201	963.548
145	61177-1	2.1090	1.5363	-.77064	.36458	976.739
146	61177-1L	2.0385	.80322	3.4927	6.8961	975.783
147	61177-1A	494.35	520.24	2033.1	2139.6	971.322
148	61177-1S	488.55	486.50	1996.7	2018.6	974.032
149	61177-1SD	505.35	510.38	2059.8	2096.1	973.089
150	61061-1	3.7604	1.4880	12.584	17.039	968.502
151	61061-2	-.00421	1.1110	11.752	8.2228	960.579
152	61061-3	1.2749	-.02173	8.9315	8.0355	954.35
153	61121-1	-2.3472	-.25365	10.230	9.9748	966.76
154	61121-3	3.0511	-.07456	15.855	14.788	957.925
155	CCV	504.47	506.33	4986.3	5037.1	955.254
156	CCB	.01611	1.2605	1.8671	5.4958	958.807
157	61122-1	2.3095	-.33021	1.7540	2.1055	957.794
158	21993-1	.73631	2.8973	1.0651	7.2652	975.433
159	21993-2	-.29965	-.11595	1.4041	7.2298	966.036
160	61061-1 1/20	-3.2727	-.66031	.49320	5.0692	960.702
161	61061-2 1/20	.41924	-1.4240	3.1731	4.7613	955.564

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
162	61061-3 1/20	.98911	1.6945	1.2291	7.2355	966.93
163	61121-1 1/20	-2.9358	.78571	-1.0832	-.69057	964.818
164	61121-3 1/20	.77939	-2.3774	2.0520	2.3608	959.864
165	61122-1 1/20	.99056	-.34002	1.2390	6.3050	968.777
166	CCV	499.76	506.45	4970.6	5035.3	964.18
167	CCB	3.1451	-.45103	3.4758	4.7206	953.037
168	PBW 180017	1.2389	-.19100	11.296	5.3081	974.342
169	LCSW-1	506.15	509.48	2036.7	2062.7	981.68
170	RL LCSW-1	11.976	9.6939	20.301	23.919	971.134
171	29873-9 1/10	20.686	-9.3763	4.4740	4.2384	938.741
172	29873-15 1/10	13.315	-2.8036	4.5606	3.5528	965.682
173	29873-16 1/10	-.27544	1.2185	-1.6793	6.4641	951.443
174	61112-1	.92287	-2.0280	5.1740	1.5109	954.241
175	61112-1L	.58523	1.8871	5.7838	6.0495	961.972
176	61112-1A	493.97	488.61	1970.3	1992.3	959.139
177	61112-1S	523.47	520.10	2109.3	2126.0	960.544
178	CCV	502.46	509.99	5008.6	5037.3	951.718
179	CCB	2.6008	-.70174	6.0930	5.6006	958.397
180	61112-1SD	508.55	507.16	2048.3	2074.8	960.505
181	CCV	509.23	507.15	5004.1	5054.3	943.813
182	CCB	-1.1544	2.3687	-2.4230	4.0838	957.467
183	PBW 180163	-.56269	1.5562	6.3822	1.3806	962.4
184	LCSW-1	519.62	523.62	2051.4	2100.5	949.859
185	LCSD	522.36	523.29	2062.1	2101.3	963.377
186	61291-1	13.424	13.017	.13047	4.5623	966.865
187	61291-2	9.5630	6.8675	-2.8837	5.8443	966.826
188	61291-3	1120.2	727.70	98.287	116.39	960.54
189	61291-4	11.821	7.5362	-.57432	2.4815	972.919
190	61291-5	16.688	11.829	.62494	10.694	968.384
191	61291-5L	3.1871	2.0226	-1.3647	3.5867	960.047
192	61291-5A	529.80	520.35	2012.2	2044.8	959.815
193	CCV	504.89	505.81	4968.5	5036.9	961.78
194	CCB	2.9254	-1.6798	6.6205	4.2130	953.028
195	61291-5S	510.67	504.10	1945.6	1969.9	965.058
196	61291-5SD	497.72	491.92	1882.9	1932.1	968.917
197	61291-6	45.708	34.628	3.2117	3.7166	960.23
198	61291-7	9.0880	6.1807	-4.9900	2.5085	951.753
199	61291-8	5.1331	6.1060	-1.3552	1.1138	959.335
200	61291-9	4.4094	3.3827	-3.6109	5.2610	957.375
201	61291-10	11.162	5.0007	3.8750	6.0478	950.719
202	CCV	499.41	500.29	4922.0	4986.7	958.432
203	CCB	.17721	.06663	-1.8443	7.3390	943.233
204	61322-1 180221	33723.	34003.	-7.2128	19.915	927.65
205	61322-2	24931.	24993.	-.10984	24.491	900.949
206	61322-3	43853.	44072.	-1.5373	11.974	932.32
207	61322-4	22130.	22265.	-2.4022	9.7677	916.471
208	61283-1	111.38	84.750	3.5093	11.177	948.659
209	CCV	505.33	511.82	4977.5	5064.5	939.387
210	CCB	3.9738	-.42558	4.1544	1.8223	942.089
211	CCV	498.79	497.51	4896.6	4922.3	925.581
212	CCB	-3.1863	.21595	1.1092	6.2337	918.767
213	PBS 180221	.39615	-1.0967	1.6030	4.6336	929.37
214	PBS 180221	4.8206	-1.7165	.00834	-.47139	924.433
215	61056-1 179840	6.5386	6.4290	2.0764	7.0864	918.396

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
216	61056-1L	2.2838	2.4880	3.1947	7.3879	924.481
217	61056-1A	523.88	512.20	2060.2	2057.3	911.403
218	61173-1 1/5	1.6888	2.5195	3.7553	4.4576	909.072
219	PBW 180017	2.3069	.26694	6.2264	2.9517	924.232
220	LCSW-1	508.24	506.28	2033.6	2063.0	925.044
221	RL LCSW-1	8.7922	11.041	25.357	23.344	934.769
222	CCV	500.58	503.99	4933.4	4994.4	907.505
223	CCB	-2.6029	-.75053	-1.4321	5.9105	909.164
224	61322-1 1/10 180221	3447.6	3705.8	3.1739	.75742	900.875
225	61322-2 1/10	2574.9	2615.3	3.4419	8.3364	917.65
226	61322-3 1/10	4270.5	4401.5	-4.0061	8.0619	912.508
227	61322-4 1/10	2167.5	2207.0	1.4750	5.9692	913.966
228	RL ICP	9.4528	8.9912	25.088	25.161	914.873
229	RL ICP	9.6043	8.6464	25.286	25.418	911.805
230	ICSA61	79.274	-45.145	7.6843	10.254	865.798
231	ICSAB61	127.85	4.9192	49.695	60.631	857.334
232	CCV	508.89	506.97	4967.2	4981.8	907.588
233	CCB	1.0529	-.21640	2.5882	3.2602	929.64


3333
Profile line : As 189.042/2
Peak Position : .031157
Peak Intensity: 2450.85
Peak Width : 10.1007
New Spec. Shift at : 0
Intensity
0
-31
0
31
Spectrum Shifter Position

D 091810

Method: 2PTTR2 Standard Name: CALBLK Operator: BR
Run Time: 09/18/10 09:02:21
Comment:
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	.0025095	.8624295	.8624295	.0819340	.0334839	-.001966	-.085352
SDev	.0063383	.0021263	.0021263	.0975100	.0529320	.004193	.000766
%RSD	252.5707	.2465438	.2465438	119.0105	158.0820	213.2647	.8974980
#1	-.001972	.8609260	.8609260	.1508839	-.003945	-.004931	-.084811
#2	.0069914	.8639330	.8639330	.0129840	.0709124	.0009988	-.085894
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	.0808830	-.007933	.0113536	.0094442	.2467133	.0030089	.0030089
SDev	.0000242	.001332	.0132314	.0035935	.0211616	.0070445	.0070445
%RSD	.0298842	16.79349	116.5398	38.05010	8.577390	234.1234	234.1234
#1	.0808659	-.008876	.0207096	.0069032	.2317499	-.001972	-.001972
#2	.0809001	-.006991	.0019975	.0119852	.2616768	.0079901	.0079901
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	.2353598	-.000493	-.000493	.0104367	-.001087	.0184079	-.075029
SDev	.0343930	.000697	.000697	.0036024	.021062	.0106915	.022428
%RSD	14.61293	141.4214	141.4214	34.51709	1937.755	58.08105	29.89208
#1	.2110403	-.000986	-.000986	.0078894	.0138064	.0108479	-.059170
#2	.2596793	.0000000	.0000000	.0129840	-.015980	.0259679	-.090888
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	.0363686	-.006416	.0089826	-.023263	-.124300	-.001979	.0050001
SDev	.0782699	.007662	.0113087	.013125	.055726	.001386	.0084659
%RSD	215.2128	119.4079	125.8952	56.41758	44.83228	70.03541	169.3137
#1	.0917138	-.011834	.0009862	-.032544	-.163704	-.002959	-.000986
#2	-.018977	-.000999	.0169790	-.013983	-.084895	-.000999	.0109864
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	.0119996	.0068843	-.139059	-.099409
SDev	.0904184	.0139733	.026511	.147559

%RSD	753.5117	202.9732	19.06469	148.4361
#1	.0759351	.0167649	-.120313	.0049308
#2	-.051936	-.002996	-.157805	-.203748
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1008	--	--	--	--	--	--
SDev	9.043491	--	--	--	--	--	--
%RSD	.8975015	--	--	--	--	--	--
#1	1014	--	--	--	--	--	--
#2	1001	--	--	--	--	--	--

Method: 2PTTR2 Standard Name: HIGH STD Operator: BR
Run Time: 09/18/10 09:06:48
Comment: 00034
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	21.15487	52.08840	52.08386	46.44368	234.2473	769.3895	145.8690
SDev	.01059	.05991	.06062	.05569	.4459	.1049	.2106
%RSD	.0500593	.1150197	.1163918	.1199097	.1903734	.0136309	.1443997
#1	21.16235	52.04604	52.04099	46.48306	233.9320	769.4637	146.0179
#2	21.14738	52.13077	52.12672	46.40430	234.5627	769.3154	145.7200
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	19.42540	84.38072	39.88981	268.2047	283.4410	9.586130	9.585625
SDev	.00557	.45829	.43660	.2386	.1950	.004128	.003414
%RSD	.0286675	.5431256	1.094504	.0889704	.0688089	.0430661	.0356182
#1	19.42146	84.05666	39.58109	268.0360	283.3031	9.589049	9.588039
#2	19.42934	84.70479	40.19852	268.3734	283.5789	9.583211	9.583211
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	50.98489	3.683789	3.683789	884.2251	14.00505	.9897902	289.4174
SDev	.04550	.004345	.004345	1.0122	.02693	.0059773	.6911
%RSD	.0892363	.1179539	.1179539	.1144772	.1922552	.6038922	.2387884
#1	51.01706	3.680717	3.680717	883.5093	14.02409	.9855636	288.9287
#2	50.95271	3.686862	3.686862	884.9409	13.98601	.9940168	289.9060
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	20.86943	244.9269	751.4970	47.56540	180.9724	199.5698	91.18169
SDev	.05415	.4643	4.3146	.06546	.0390	.1860	.00555
%RSD	.2594782	.1895747	.5741379	.1376163	.0215646	.0931906	.0060881

#1	20.83114	244.5985	754.5479	47.51911	180.9448	199.4383	91.17776
#2	20.90772	245.2552	748.4461	47.61168	181.0000	199.7013	91.18562
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	62.96435	65.92622	223.3022	196.0169
SDev	.11944	.06212	.7145	.3197
%RSD	.1896873	.0942282	.3199882	.1630794
#1	63.04881	65.88230	222.7970	195.7909
#2	62.87990	65.97015	223.8075	196.2430
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	990	--	--	--	--	--	--
SDev	.9753361	--	--	--	--	--	--
%RSD	.0985580	--	--	--	--	--	--
#1	990	--	--	--	--	--	--
#2	989	--	--	--	--	--	--

Method: 2PTTR2
Mode: Concentration
Standards Table: 2PTONLY
Data File: DD091810

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
Ag	328.068	09/18/10 09:11	Linear	1.000000
Al	308.215	09/18/10 09:11	Linear	1.000000
2Al	308.215	09/18/10 09:11	Linear	1.000000
As	189.042/2	09/18/10 09:11	Linear	1.000000
B	249.678/2	09/18/10 09:11	Linear	1.000000
Ba	493.409	09/18/10 09:11	Linear	1.000000
Be	313.042	09/18/10 09:11	Linear	1.000000
Ca	317.933	09/18/10 09:11	Linear	1.000000
Cd	226.502/2	09/18/10 09:11	Linear	1.000000
Co	228.616	09/18/10 09:11	Linear	1.000000
Cr	267.716	09/18/10 09:11	Linear	1.000000
Cu	324.753	09/18/10 09:11	Linear	1.000000
Fe	271.441	09/18/10 09:11	Linear	1.000000
2Fe	271.441	09/18/10 09:11	Linear	1.000000
K	766.491	09/18/10 09:11	Linear	1.000000
Mg	279.078	09/18/10 09:11	Linear	1.000000
2Mg	279.078	09/18/10 09:11	Linear	1.000000
Mn	257.610	09/18/10 09:11	Linear	1.000000
Mo	202.030/2	[illegible]	Linear	1.000000
Na	330.231	[illegible]	[illegible]	1.000000
Ni	231.604/2	09/18/10 09:11	Linear	1.000000

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
Sb	206.838/2	09/18/10 09:11	Linear	1.000000
Sn	189.989	09/18/10 09:11	Linear	1.000000
Sr	421.542	09/18/10 09:11	Linear	1.000000
Ti	334.941	09/18/10 09:11	Linear	1.000000
Tl	190.864/2	09/18/10 09:11	Linear	1.000000
V	292.402	09/18/10 09:11	Linear	1.000000
Zn	206.200	09/18/10 09:11	Linear	1.000000
2203/1	220.351	09/18/10 09:11	Linear	1.000000
2203/2	220.352/2	09/18/10 09:11	Linear	1.000000
1960/1	196.021	09/18/10 09:11	Linear	1.000000
1960/2	196.022/2	09/18/10 09:11	Linear	1.000000

Element:	Ag	Al	2Al	As	B
Wavelength:	328.068	308.215	308.215	189.042/2	249.678/2
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	04/27/99	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	16:03	STDIZED
Offset (A0):	.00251	.862429	.862429	.081934	.033484
Gain (A1):	.021152	.005032	5.03108	.047664	.023424
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/18/10	09/18/10	09/18/10	09/18/10	09/18/10
Time of Fit:	09:11	09:11	09:11	09:11	09:11

Element:	Ba	Be	Ca	Cd	Co
Wavelength:	493.409	313.042	317.933	226.502/2	228.616
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.001966	-.085352	.080883	-.007933	.011354
Gain (A1):	.076939	.145939	.001935	.084329	.039889
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/18/10	09/18/10	09/18/10	09/18/10	09/18/10
Time of Fit:	09:11	09:11	09:11	09:11	09:11

Element:	Cr	Cu	Fe	2Fe	K
Wavelength:	267.716	324.753	271.441	271.441	766.491
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	.009444	.246713	.003009	.003009	.23536
Gain (A1):	.026825	.028322	.000967	.96755	.002537
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/18/10	09/18/10	09/18/10	09/18/10	09/18/10
Time of Fit:	09:11	09:11	09:11	09:11	09:11

Element:	Mg	2Mg	Mn	Mo	Na
Wavelength:	279.078	279.078	257.610	202.030/2	330.231
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.000493	-.000493	.010437	-.001087	.018408
Gain (A1):	.000371	.371399	.088431	.014006	.000066
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/18/10	09/18/10	09/18/10	09/18/10	09/18/10
Time of Fit:	09:11	09:11	09:11	09:11	09:11

Element:	Ni	Sm	Sm	Sb	Sn
Wavelength:	231.604/2	220.353	196.026	206.838/2	189.989
Y - intercept:	0	0	0	0	0
Slope:	1	0	0	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.075029	0	0	.036369	-.006416

Gain (A1):	.057905	1	1	.019725	.024498
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/18/10	NO FIT	NO FIT	09/18/10	09/18/10
Time of Fit:	09:11			09:11	09:11

Element:	Sr	Ti	Tl	V	Zn
Wavelength:	421.542	334.941	190.864/2	292.402	206.200
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	04/27/99	NOT	NOT
Time Standardized:	STDIZED	STDIZED	16:03	STDIZED	STDIZED
Offset (A0):	.008983	-.023263	-.1243	-.001979	.005
Gain (A1):	.150298	.047592	.01817	.020031	.018288
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/18/10	09/18/10	09/18/10	09/18/10	09/18/10
Time of Fit:	09:11	09:11	09:11	09:11	09:11

Element:	Pb	Pb	Se	Se
Wavelength:	220.351	220.352/2	196.021	196.022/2
Y - intercept:	0	0	0	0
Slope:	1	1	1	1
Date Standardized:	04/27/99	04/27/99	04/27/99	04/27/99
Time Standardized:	16:03	16:03	16:03	16:03
Offset (A0):	.012	.006884	-.139059	-.099409
Gain (A1):	.062542	.066139	.022335	.01961
Curvature (A2):	0	0	0	0
Exponent (n):	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE
Date of Fit:	09/18/10	09/18/10	09/18/10	09/18/10
Time of Fit:	09:11	09:11	09:11	09:11

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
HIGH STD 00034	Ag	989.61633	1003.39617	975.83642	1.96921	ug/L	09/18/10	09:11	
HIGH STD 00034	Al	9914.53710	10032.64062	9796.43261	1.68464	ug/L	09/18/10	09:11	
HIGH STD 00034	2Al	9.91483	10.03314	9.79652	1.68752	mg/L	09/18/10	09:11	
HIGH STD 00034	As	990.35424	1005.17358	975.53497	2.11617	ug/L	09/18/10	09:11	
HIGH STD 00034	B	9944.16992	10065.32910	9823.00976	1.72307	ug/L	09/18/10	09:11	
HIGH STD 00034	Ba	9920.81250	10024.57031	9817.05468	1.47906	ug/L	09/18/10	09:11	
HIGH STD 00034	Be	993.47192	1004.12432	982.81945	1.51638	ug/L	09/18/10	09:11	
HIGH STD 00034	Ca	9934.85742	10044.43261	9825.28125	1.55979	ug/L	09/18/10	09:11	
HIGH STD 00034	Cd	990.76794	1002.52130	979.01458	1.67766	ug/L	09/18/10	09:11	
HIGH STD 00034	Co	984.93823	995.27636	974.60003	1.48439	ug/L	09/18/10	09:11	
HIGH STD 00034	Cr	9936.16796	10045.14355	9827.19140	1.55105	ug/L	09/18/10	09:11	
HIGH STD 00034	Cu	9920.22363	10022.47656	9817.97070	1.45770	ug/L	09/18/10	09:11	
HIGH STD 00034	Fe	9935.19433	10050.23046	9820.15820	1.63746	ug/L	09/18/10	09:11	
HIGH STD 00034	2Fe	9.93519	10.05075	9.81963	1.64489	mg/L	09/18/10	09:11	
HIGH STD 00034	K	19842.78906	20059.49804	19626.08007	1.54450	ug/L	09/18/10	09:11	
HIGH STD 00034	Mg	9942.74804	10066.35742	9819.13769	1.75817	ug/L	09/18/10	09:11	
HIGH STD 00034	2Mg	9.94275	10.06635	9.81914	1.75810	mg/L	09/18/10	09:11	
HIGH STD 00034	Mn	9947.04492	10056.00292	9838.08593	1.54910	ug/L	09/18/10	09:11	
HIGH STD 00034	Mo	993.48358	1008.37347	978.59368	2.11956	ug/L	09/18/10	09:11	
HIGH STD 00034	Na	14960.28808	15285.90429	14634.67187	3.07808	ug/L	09/18/10	09:11	
HIGH STD 00034	Ni	4952.23388	5009.35302	4895.11474	1.63115	ug/L	09/18/10	09:11	
HIGH STD 00034	Pb	993.21813	1005.81195	980.62432	1.79319	ug/L	09/18/10	09:11	
HIGH STD 00034	Se	9924.06054	10051.36914	9796.75292	1.81418	ug/L	09/18/10	09:11	
HIGH STD 00034	Sb	994.19128	1008.27221	980.11029	2.00298	ug/L	09/18/10	09:11	
HIGH STD 00034	Sn	9916.29101	10041.26171	9791.31933	1.78227	ug/L	09/18/10	09:11	
HIGH STD 00034	Sr	4969.00488	5015.41210	4922.59716	1.32078	ug/L	09/18/10	09:11	
HIGH STD 00034	Ti	992.73724	1003.81329	981.66119	1.57784	ug/L	09/18/10	09:11	
HIGH STD 00034	Tl	9927.67382	10061.27246	9794.07617	1.90312	ug/L	09/18/10	09:11	
HIGH STD 00034	V	9959.51953	10074.58789	9844.45117	1.63392	ug/L	09/18/10	09:11	
HIGH STD 00034	Zn	4960.27001	5018.06835	4902.47167	1.64787	ug/L	09/18/10	09:11	
HIGH STD 00034	2203/1	988.34228	997.32458	979.35992	1.28527	ug/L	09/18/10	09:11	
HIGH STD 00034	2203/2	995.64349	1010.04028	981.24670	2.04492	ug/L	09/18/10	09:11	
HIGH STD 00034	1960/1	9866.15332	9963.10449	9769.20214	1.38969	ug/L	09/18/10	09:11	
HIGH STD 00034	1960/2	9952.97070	10095.43457	9810.50781	2.02425	ug/L	09/18/10	09:11	
HIGH STD 00034	Y	992.27795	983.47814	1001.07781	1.25416		09/18/10	09:11	
ICV 00190	Ag	958.70849	959.09814	958.31878	0.05748	ug/L	09/18/10	09:20	
ICV 00190	Al	971.39044	970.21649	972.56439	0.17091	ug/L	09/18/10	09:20	
ICV 00190	2Al	0.97147	0.97030	0.97265	0.17091	mg/L	09/18/10	09:20	
ICV 00190	As	1001.05908	1002.44256	999.67553	0.19545	ug/L	09/18/10	09:20	
ICV 00190	B	989.18994	986.89605	991.48382	0.32794	ug/L	09/18/10	09:20	
ICV 00190	Ba	981.69812	981.79199	981.60430	0.01351	ug/L	09/18/10	09:20	
ICV 00190	Be	978.45465	978.70745	978.20184	0.03653	ug/L	09/18/10	09:20	
ICV 00190	Ca	973.27697	973.91156	972.64245	0.09220	ug/L	09/18/10	09:20	
ICV 00190	Cd	989.09143	988.74383	989.43902	0.04969	ug/L	09/18/10	09:20	
ICV 00190	Co	975.77740	976.27490	975.27990	0.07210	ug/L	09/18/10	09:20	
ICV 00190	Cr	989.17102	989.49560	988.84637	0.04641	ug/L	09/18/10	09:20	
ICV 00190	Cu	989.89611	989.68347	990.10876	0.03037	ug/L	09/18/10	09:20	
ICV 00190	Fe	1002.71508	992.64440	1012.78582	1.42035	ug/L	09/18/10	09:20	
ICV 00190	2Fe	1.00304	0.99297	1.01311	1.41973	mg/L	09/18/10	09:20	
ICV 00190	K	19156.31445	19156.08593	19156.54296	0.00168	ug/L	09/18/10	09:20	
ICV 00190	Mg	982.23876	986.84521	977.63226	0.66323	ug/L	09/18/10	09:20	
ICV 00190	2Mg	0.98223	0.98684	0.97762	0.66334	mg/L	09/18/10	09:20	
ICV 00190	Mn	984.36181	984.98919	983.73449	0.09013	ug/L	09/18/10	09:20	
ICV 00190	Mo	991.80432	991.82489	991.78381	0.00292	ug/L	09/18/10	09:20	
ICV 00190	Na	9719.45214	9576.94824	9861.95605	2.07348	ug/L	09/18/10	09:20	
ICV 00190	Ni	985.79553	984.24438	987.34667	0.22252	ug/L	09/18/10	09:20	
ICV 00190	Pb	973.41186	973.83972	972.98406	0.06215	ug/L	09/18/10	09:20	
ICV 00190	Se	991.43603	990.34271	992.52929	0.15595	ug/L	09/18/10	09:20	
ICV 00190	Sb	946.76684	949.61004	943.92358	0.42470	ug/L	09/18/10	09:20	
ICV 00190	Sn	985.19134	985.91192	984.47076	0.10343	ug/L	09/18/10	09:20	
ICV 00190	Sr	1005.70031	1005.06988	1006.33074	0.08865	ug/L	09/18/10	09:20	
ICV 00190	Ti	959.61889	960.42687	958.81097	0.11906	ug/L	09/18/10	09:20	
ICV 00190	Tl	972.29089	979.42590	965.15582	1.03780	ug/L	09/18/10	09:20	
ICV 00190	V	966.08728	967.92407	964.25054	0.26887	ug/L	09/18/10	09:20	
ICV 00190	Zn	993.03222	992.62609	993.43829	0.05783	ug/L	09/18/10	09:20	
ICV 00190	2203/1	971.34875	971.11273	971.58471	0.03435	ug/L	09/18/10	09:20	
ICV 00190	2203/2	974.44189	975.20117	973.68267	0.11018	ug/L	09/18/10	09:20	
ICV 00190	1960/1	985.14099	987.08093	983.20098	0.27849	ug/L	09/18/10	09:20	
ICV 00190	1960/2	994.57879	991.97113	997.18646	0.37078	ug/L	09/18/10	09:20	
ICV 00190	Y	1011.39233	1010.75939	1012.02520	0.08849		09/18/10	09:20	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICB	Ag	0.30494	0.30572	0.30416	0.36023	ug/L	09/18/10	09:27	
ICB	Al	4.18266	1.43788	6.92744	92.80467	ug/L	09/18/10	09:27	
ICB	2Al	0.00418	0.00143	0.00692	92.80467	mg/L	09/18/10	09:27	
ICB	As	-1.64594	-1.94958	-1.34230	26.08889	ug/L	09/18/10	09:27	
ICB	B	9.66372	10.36507	8.96237	10.26375	ug/L	09/18/10	09:27	
ICB	Ba	-0.04569	-0.09111	-0.00027	140.56164	ug/L	09/18/10	09:27	
ICB	Be	-0.00858	-0.01655	-0.00061	131.26640	ug/L	09/18/10	09:27	
ICB	Ca	0.38767	0.46558	0.30976	28.42167	ug/L	09/18/10	09:27	
ICB	Cd	-0.21824	-0.16633	-0.27015	33.63529	ug/L	09/18/10	09:27	
ICB	Co	-0.59406	-0.10998	-1.07813	115.23913	ug/L	09/18/10	09:27	
ICB	Cr	0.05583	-0.16609	0.27775	562.13232	ug/L	09/18/10	09:27	
ICB	Cu	-0.38052	-0.43547	-0.32556	20.42381	ug/L	09/18/10	09:27	
ICB	Fe	-5.61736	3.08962	-14.32435	219.20509	ug/L	09/18/10	09:27	
ICB	2Fe	-0.00561	0.00308	-0.01432	219.20291	mg/L	09/18/10	09:27	
ICB	K	-6.44772	-10.21276	-2.68269	82.58049	ug/L	09/18/10	09:27	
ICB	Mg	1.32685	1.32766	1.32604	0.08643	ug/L	09/18/10	09:27	
ICB	2Mg	0.00132	0.00132	0.00132	0.08140	mg/L	09/18/10	09:27	
ICB	Mn	-0.02247	-0.11798	0.07304	601.06256	ug/L	09/18/10	09:27	
ICB	Mo	0.89337	0.00639	1.78035	140.40882	ug/L	09/18/10	09:27	
ICB	Na	-112.45771	-247.12081	22.20540	169.34579	ug/L	09/18/10	09:27	
ICB	Ni	-0.28480	0.64049	-1.21009	459.46282	ug/L	09/18/10	09:27	
ICB	Pb	-0.39118	0.21635	-0.99872	219.64002	ug/L	09/18/10	09:27	
ICB	Se	4.18213	5.34399	3.02027	39.28888	ug/L	09/18/10	09:27	
ICB	Sb	-0.89897	-1.23607	-0.56188	53.02886	ug/L	09/18/10	09:27	
ICB	Sn	0.06030	1.60361	-1.48300	3619.25756	ug/L	09/18/10	09:27	
ICB	Sr	-0.02664	-0.02658	-0.02670	0.32232	ug/L	09/18/10	09:27	
ICB	Ti	0.18551	0.19541	0.17560	7.54959	ug/L	09/18/10	09:27	
ICB	Tl	2.34366	0.85893	3.82840	89.59140	ug/L	09/18/10	09:27	
ICB	V	0.34795	0.34708	0.34883	0.35523	ug/L	09/18/10	09:27	
ICB	Zn	-0.16416	-0.00096	-0.32735	140.58821	ug/L	09/18/10	09:27	
ICB	2203/1	-1.40963	-0.89438	-1.92489	51.69295	ug/L	09/18/10	09:27	
ICB	2203/2	0.11728	0.77089	-0.53633	788.13879	ug/L	09/18/10	09:27	
ICB	1960/1	2.34800	2.43048	2.26553	4.96738	ug/L	09/18/10	09:27	
ICB	1960/2	5.09782	6.79856	3.39708	47.18108	ug/L	09/18/10	09:27	
ICB	Y	1004.49121	1002.64923	1006.33325	0.25933		09/18/10	09:27	
RL ICP 00045	Ag	10.44506	10.44273	10.44740	0.03162	ug/L	09/18/10	09:35	
RL ICP 00045	Al	208.64340	206.08862	211.19819	1.73166	ug/L	09/18/10	09:35	
RL ICP 00045	2Al	0.20866	0.20610	0.21121	1.73167	mg/L	09/18/10	09:35	
RL ICP 00045	As	20.34449	20.80817	19.88081	3.22319	ug/L	09/18/10	09:35	
RL ICP 00045	B	104.56904	103.78270	105.35537	1.06345	ug/L	09/18/10	09:35	
RL ICP 00045	Ba	10.09345	10.18158	10.00532	1.23477	ug/L	09/18/10	09:35	
RL ICP 00045	Be	3.94349	3.93246	3.95451	0.39527	ug/L	09/18/10	09:35	
RL ICP 00045	Ca	500.28567	499.65261	500.91873	0.17895	ug/L	09/18/10	09:35	
RL ICP 00045	Cd	4.80063	4.95253	4.64873	4.47476	ug/L	09/18/10	09:35	
RL ICP 00045	Co	9.66200	9.76970	9.55430	1.57639	ug/L	09/18/10	09:35	
RL ICP 00045	Cr	9.53482	9.60672	9.46292	1.06639	ug/L	09/18/10	09:35	
RL ICP 00045	Cu	21.02310	21.15694	20.88925	0.90035	ug/L	09/18/10	09:35	
RL ICP 00045	Fe	61.03914	63.07344	59.00484	4.71326	ug/L	09/18/10	09:35	
RL ICP 00045	2Fe	0.06103	0.06307	0.05900	4.71306	mg/L	09/18/10	09:35	
RL ICP 00045	K	967.47576	965.67590	969.27563	0.26309	ug/L	09/18/10	09:35	
RL ICP 00045	Mg	502.91876	501.47061	504.36688	0.40721	ug/L	09/18/10	09:35	
RL ICP 00045	2Mg	0.50277	0.50132	0.50421	0.40733	mg/L	09/18/10	09:35	
RL ICP 00045	Mn	9.89744	9.86156	9.93331	0.51259	ug/L	09/18/10	09:35	
RL ICP 00045	Mo	9.18907	8.15894	10.21920	15.85388	ug/L	09/18/10	09:35	
RL ICP 00045	Na	931.79370	938.93627	924.65112	1.08405	ug/L	09/18/10	09:35	
RL ICP 00045	Ni	41.20778	41.39704	41.01852	0.64951	ug/L	09/18/10	09:35	
RL ICP 00045	Pb	10.49871	10.42254	10.57487	1.02594	ug/L	09/18/10	09:35	
RL ICP 00045	Se	25.18524	23.49897	26.87151	9.46881	ug/L	09/18/10	09:35	
RL ICP 00045	Sb	20.03215	21.49806	18.56623	10.34895	ug/L	09/18/10	09:35	
RL ICP 00045	Sn	52.73321	53.43319	52.03323	1.87722	ug/L	09/18/10	09:35	
RL ICP 00045	Sr	10.24802	10.21270	10.28333	0.48736	ug/L	09/18/10	09:35	
RL ICP 00045	Ti	10.16455	10.06850	10.26059	1.33627	ug/L	09/18/10	09:35	
RL ICP 00045	Tl	29.36428	24.46850	34.26005	23.57854	ug/L	09/18/10	09:35	
RL ICP 00045	V	10.69805	10.89403	10.50207	2.59067	ug/L	09/18/10	09:35	
RL ICP 00045	Zn	21.46190	21.78303	21.14077	2.11603	ug/L	09/18/10	09:35	
RL ICP 00045	2203/1	9.02359	11.97570	6.07148	46.26666	ug/L	09/18/10	09:35	
RL ICP 00045	2203/2	11.23516	9.64713	12.82319	19.98913	ug/L	09/18/10	09:35	
RL ICP 00045	1960/1	21.25125	18.93598	23.56653	15.40754	ug/L	09/18/10	09:35	
RL ICP 00045	1960/2	27.14926	25.77702	28.52149	7.14802	ug/L	09/18/10	09:35	
RL ICP 00045	Y	1006.94873	1007.17138	1006.72613	0.03126		09/18/10	09:35	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP 00045	Ag	10.29989	10.07569	10.52409	3.07836	ug/L	09/18/10	09:48	
RL ICP 00045	Al	214.42333	210.88633	217.96034	2.33280	ug/L	09/18/10	09:48	
RL ICP 00045	2Al	0.21444	0.21090	0.21798	2.33279	mg/L	09/18/10	09:48	
RL ICP 00045	As	17.65999	15.50973	19.81025	17.21930	ug/L	09/18/10	09:48	
RL ICP 00045	B	105.63855	105.83268	105.44442	0.25988	ug/L	09/18/10	09:48	
RL ICP 00045	Ba	10.12849	10.21824	10.03875	1.25307	ug/L	09/18/10	09:48	
RL ICP 00045	Be	3.95528	3.97950	3.93105	0.86621	ug/L	09/18/10	09:48	
RL ICP 00045	Ca	501.30261	504.47183	498.13336	0.89406	ug/L	09/18/10	09:48	
RL ICP 00045	Cd	4.93659	5.05919	4.81398	3.51224	ug/L	09/18/10	09:48	
RL ICP 00045	Co	9.90664	9.45759	10.35568	6.41032	ug/L	09/18/10	09:48	
RL ICP 00045	Cr	9.89028	9.01566	10.76491	12.50625	ug/L	09/18/10	09:48	
RL ICP 00045	Cu	21.25483	20.55775	21.95190	4.63806	ug/L	09/18/10	09:48	
RL ICP 00045	Fe	50.67662	64.71145	36.64180	39.16645	ug/L	09/18/10	09:48	
RL ICP 00045	2Fe	0.05067	0.06471	0.03664	39.16284	mg/L	09/18/10	09:48	
RL ICP 00045	K	975.24914	998.35491	952.14343	3.35057	ug/L	09/18/10	09:48	
RL ICP 00045	Mg	502.67947	502.73458	502.62435	0.01550	ug/L	09/18/10	09:48	
RL ICP 00045	2Mg	0.50253	0.50258	0.50248	0.01481	mg/L	09/18/10	09:48	
RL ICP 00045	Mn	10.01602	10.08237	9.94968	0.93674	ug/L	09/18/10	09:48	
RL ICP 00045	Mo	10.29670	9.30049	11.29290	13.68248	ug/L	09/18/10	09:48	
RL ICP 00045	Na	837.27380	907.09875	767.44885	11.79391	ug/L	09/18/10	09:48	
RL ICP 00045	Ni	41.18637	41.65515	40.71758	1.60966	ug/L	09/18/10	09:48	
RL ICP 00045	Pb	10.68327	10.05799	11.30855	8.27720	ug/L	09/18/10	09:48	
RL ICP 00045	Se	22.03074	22.09066	21.97082	0.38462	ug/L	09/18/10	09:48	
RL ICP 00045	Sb	17.41283	19.19993	15.62574	14.51421	ug/L	09/18/10	09:48	
RL ICP 00045	Sn	49.82442	49.12306	50.52578	1.99073	ug/L	09/18/10	09:48	
RL ICP 00045	Sr	10.37052	10.38928	10.35175	0.25590	ug/L	09/18/10	09:48	
RL ICP 00045	Ti	9.98696	9.78962	10.18431	2.79453	ug/L	09/18/10	09:48	
RL ICP 00045	Tl	30.93033	33.57113	28.28952	12.07441	ug/L	09/18/10	09:48	
RL ICP 00045	V	10.08517	10.03556	10.13479	0.69572	ug/L	09/18/10	09:48	
RL ICP 00045	Zn	21.99499	21.59779	22.39218	2.55387	ug/L	09/18/10	09:48	
RL ICP 00045	2203/1	9.06398	8.95560	9.17237	1.69104	ug/L	09/18/10	09:48	
RL ICP 00045	2203/2	11.49170	10.60836	12.37503	10.87070	ug/L	09/18/10	09:48	
RL ICP 00045	1960/1	26.06392	25.12151	27.00633	5.11344	ug/L	09/18/10	09:48	
RL ICP 00045	1960/2	20.01715	20.57748	19.45682	3.95873	ug/L	09/18/10	09:48	
RL ICP 00045	Y	991.30895	983.14642	999.47149	1.16447		09/18/10	09:48	
ICSA61 00022	Ag	0.12621	1.69006	-1.43763	1752.31091	ug/L	09/18/10	09:53	
ICSA61 00022	Al	529742.75000	529597.43750	529888.12500	0.03880	ug/L	09/18/10	09:53	
ICSA61 00022	2Al	529.76232	529.59527	529.92932	0.04458	mg/L	09/18/10	09:53	
ICSA61 00022	As	-2.88115	-4.63969	-1.12262	86.31752	ug/L	09/18/10	09:53	
ICSA61 00022	B	14.10295	13.62141	14.58449	4.82876	ug/L	09/18/10	09:53	
ICSA61 00022	Ba	0.87798	1.11675	0.63922	38.45866	ug/L	09/18/10	09:53	
ICSA61 00022	Be	0.07987	0.13360	0.02615	95.11964	ug/L	09/18/10	09:53	
ICSA61 00022	Ca	541383.37500	541697.93750	541068.81250	0.08217	ug/L	09/18/10	09:53	
ICSA61 00022	Cd	-0.23496	0.23708	-0.70701	284.12292	ug/L	09/18/10	09:53	
ICSA61 00022	Co	-0.00755	0.16857	-0.18368	3297.59130	ug/L	09/18/10	09:53	
ICSA61 00022	Cr	1.53920	1.03300	2.04539	46.50878	ug/L	09/18/10	09:53	
ICSA61 00022	Cu	1.39856	0.85394	1.94317	55.07107	ug/L	09/18/10	09:53	
ICSA61 00022	Fe	194087.15625	193979.43750	194194.85937	0.07848	ug/L	09/18/10	09:53	
ICSA61 00022	2Fe	194.06121	193.94528	194.17715	0.08448	mg/L	09/18/10	09:53	
ICSA61 00022	K	-7.51000	31.21551	-46.23551	729.24304	ug/L	09/18/10	09:53	
ICSA61 00022	Mg	525280.50000	525020.25000	525540.68750	0.07005	ug/L	09/18/10	09:53	
ICSA61 00022	2Mg	525.06652	524.78643	525.34655	0.07543	mg/L	09/18/10	09:53	
ICSA61 00022	Mn	-1.27934	-1.29347	-1.26521	1.56202	ug/L	09/18/10	09:53	
ICSA61 00022	Mo	0.18440	1.74687	-1.37807	1198.28491	ug/L	09/18/10	09:53	
ICSA61 00022	Na	21.47936	-52.31843	95.27717	485.88888	ug/L	09/18/10	09:53	
ICSA61 00022	Ni	-0.88727	0.91636	-2.69091	287.48025	ug/L	09/18/10	09:53	
ICSA61 00022	Pb	-3.40653	-4.39889	-2.41417	41.19756	ug/L	09/18/10	09:53	
ICSA61 00022	Se	5.03320	13.12188	-3.05548	227.27337	ug/L	09/18/10	09:53	
ICSA61 00022	Sb	3.20143	10.44963	-4.04676	320.18444	ug/L	09/18/10	09:53	
ICSA61 00022	Sn	-0.54314	5.29971	-6.38599	1521.34619	ug/L	09/18/10	09:53	
ICSA61 00022	Sr	2.40218	2.39381	2.41055	0.49280	ug/L	09/18/10	09:53	
ICSA61 00022	Ti	1.80183	1.83018	1.77348	2.22526	ug/L	09/18/10	09:53	
ICSA61 00022	Tl	-2.49668	1.85681	-6.85017	246.59791	ug/L	09/18/10	09:53	
ICSA61 00022	V	-9.92868	-7.15996	-12.69741	39.43690	ug/L	09/18/10	09:53	
ICSA61 00022	Zn	3.75829	3.67965	3.83692	2.95887	ug/L	09/18/10	09:53	
ICSA61 00022	2203/1	65.40924	78.67508	52.14340	28.68207	ug/L	09/18/10	09:53	
ICSA61 00022	2203/2	-37.76284	-45.87361	-29.65207	30.37473	ug/L	09/18/10	09:53	
ICSA61 00022	1960/1	2.64514	13.74172	-8.45143	593.27246	ug/L	09/18/10	09:53	
ICSA61 00022	1960/2	6.22543	12.81243	-0.36155	149.63465	ug/L	09/18/10	09:53	
ICSA61 00022	Y	936.43652	940.97174	931.90130	0.68491		09/18/10	09:53	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB61 00038	Ag	210.30258	210.30941	210.29573	0.00460	ug/L	09/18/10	10:05	
ICSAB61 00038	Al	521443.43750	521847.90625	521039.00000	0.10969	ug/L	09/18/10	10:05	
ICSAB61 00038	2Al	521.47766	521.88989	521.06549	0.11178	mg/L	09/18/10	10:05	
ICSAB61 00038	As	99.42559	99.94325	98.90794	0.73630	ug/L	09/18/10	10:05	
ICSAB61 00038	B	14.40838	14.12752	14.68925	2.75675	ug/L	09/18/10	10:05	
ICSAB61 00038	Ba	533.44030	533.62188	533.25866	0.04814	ug/L	09/18/10	10:05	
ICSAB61 00038	Be	515.02612	514.71936	515.33288	0.08423	ug/L	09/18/10	10:05	
ICSAB61 00038	Ca	533727.00000	533990.25000	533463.68750	0.06976	ug/L	09/18/10	10:05	
ICSAB61 00038	Cd	978.04498	980.50952	975.58044	0.35636	ug/L	09/18/10	10:05	
ICSAB61 00038	Co	476.00173	476.62921	475.37426	0.18642	ug/L	09/18/10	10:05	
ICSAB61 00038	Cr	493.59902	493.62997	493.56808	0.00886	ug/L	09/18/10	10:05	
ICSAB61 00038	Cu	538.88793	538.87591	538.89990	0.00314	ug/L	09/18/10	10:05	
ICSAB61 00038	Fe	193374.98437	193409.90625	193340.06250	0.02553	ug/L	09/18/10	10:05	
ICSAB61 00038	2Fe	193.35473	193.39244	193.31704	0.02757	mg/L	09/18/10	10:05	
ICSAB61 00038	K	-16.86420	-20.37457	-13.35384	29.43752	ug/L	09/18/10	10:05	
ICSAB61 00038	Mg	522193.50000	522395.21875	521991.81250	0.05462	ug/L	09/18/10	10:05	
ICSAB61 00038	2Mg	521.99633	522.20520	521.78747	0.05658	mg/L	09/18/10	10:05	
ICSAB61 00038	Mn	496.63601	496.65252	496.61950	0.00470	ug/L	09/18/10	10:05	
ICSAB61 00038	Mo	994.94000	992.25463	997.62536	0.38169	ug/L	09/18/10	10:05	
ICSAB61 00038	Na	-144.52928	-192.90696	-96.15159	47.33738	ug/L	09/18/10	10:05	
ICSAB61 00038	Ni	949.91455	949.06402	950.76501	0.12661	ug/L	09/18/10	10:05	
ICSAB61 00038	Pb	46.22370	45.13316	47.31423	3.33649	ug/L	09/18/10	10:05	
ICSAB61 00038	Se	58.82748	56.84267	60.81228	4.77146	ug/L	09/18/10	10:05	
ICSAB61 00038	Sb	613.61914	608.72192	618.51641	1.12867	ug/L	09/18/10	10:05	
ICSAB61 00038	Sn	980.26098	986.67083	973.85113	0.92474	ug/L	09/18/10	10:05	
ICSAB61 00038	Sr	2.39521	2.40574	2.38468	0.62178	ug/L	09/18/10	10:05	
ICSAB61 00038	Ti	1.90252	2.05941	1.74563	11.66211	ug/L	09/18/10	10:05	
ICSAB61 00038	Tl	106.48164	105.63211	107.33116	1.12828	ug/L	09/18/10	10:05	
ICSAB61 00038	V	495.58233	495.54809	495.61660	0.00977	ug/L	09/18/10	10:05	
ICSAB61 00038	Zn	984.76013	983.92169	985.59857	0.12040	ug/L	09/18/10	10:05	
ICSAB61 00038	2203/1	112.27284	111.47244	113.07324	1.00820	ug/L	09/18/10	10:05	
ICSAB61 00038	2203/2	13.24864	12.01325	14.48402	13.18703	ug/L	09/18/10	10:05	
ICSAB61 00038	1960/1	57.57377	63.69746	51.45007	15.04194	ug/L	09/18/10	10:05	
ICSAB61 00038	1960/2	59.45339	53.42042	65.48636	14.35058	ug/L	09/18/10	10:05	
ICSAB61 00038	Y	926.89025	925.62445	928.15612	0.19313		09/18/10	10:05	
CCV 00072	Ag	493.37445	494.18710	492.56176	0.23294	ug/L	09/18/10	10:13	
CCV 00072	Al	4872.51367	4879.38818	4865.63964	0.19952	ug/L	09/18/10	10:13	
CCV 00072	2Al	4.87285	4.87982	4.86587	0.20242	mg/L	09/18/10	10:13	
CCV 00072	As	499.43075	499.91726	498.94424	0.13776	ug/L	09/18/10	10:13	
CCV 00072	B	4962.97949	4964.06298	4961.89599	0.03087	ug/L	09/18/10	10:13	
CCV 00072	Ba	4992.53808	4997.83837	4987.23828	0.15013	ug/L	09/18/10	10:13	
CCV 00072	Be	497.96710	498.53735	497.39688	0.16194	ug/L	09/18/10	10:13	
CCV 00072	Ca	4931.63574	4934.52490	4928.74707	0.08284	ug/L	09/18/10	10:13	
CCV 00072	Cd	498.00665	498.24969	497.76364	0.06901	ug/L	09/18/10	10:13	
CCV 00072	Co	492.85369	493.27822	492.42919	0.12181	ug/L	09/18/10	10:13	
CCV 00072	Cr	4978.46386	4982.03027	4974.89697	0.10131	ug/L	09/18/10	10:13	
CCV 00072	Cu	4951.62011	4955.46142	4947.77929	0.10970	ug/L	09/18/10	10:13	
CCV 00072	Fe	4958.94970	4956.77539	4961.12402	0.06200	ug/L	09/18/10	10:13	
CCV 00072	2Fe	4.95920	4.95703	4.96138	0.06199	mg/L	09/18/10	10:13	
CCV 00072	K	9846.89648	9857.33593	9836.45800	0.14992	ug/L	09/18/10	10:13	
CCV 00072	Mg	4959.95312	4965.20849	4954.69824	0.14983	ug/L	09/18/10	10:13	
CCV 00072	2Mg	4.95996	4.96521	4.95470	0.14985	mg/L	09/18/10	10:13	
CCV 00072	Mn	4982.49072	4986.57861	4978.40283	0.11602	ug/L	09/18/10	10:13	
CCV 00072	Mo	501.44226	500.84490	502.03964	0.16847	ug/L	09/18/10	10:13	
CCV 00072	Na	7305.29687	7432.95996	7177.63330	2.47140	ug/L	09/18/10	10:13	
CCV 00072	Ni	2487.08349	2485.00366	2489.16357	0.11827	ug/L	09/18/10	10:13	
CCV 00072	Pb	499.49566	498.53607	500.45526	0.27168	ug/L	09/18/10	10:13	
CCV 00072	Se	4997.57470	4994.19140	5000.95800	0.09574	ug/L	09/18/10	10:13	
CCV 00072	Sb	496.00354	499.10528	492.90176	0.88437	ug/L	09/18/10	10:13	
CCV 00072	Sn	4984.78027	4983.08740	4986.47265	0.04802	ug/L	09/18/10	10:13	
CCV 00072	Sr	2535.96875	2545.97167	2525.96582	0.55782	ug/L	09/18/10	10:13	
CCV 00072	Ti	497.59753	497.83847	497.35656	0.06848	ug/L	09/18/10	10:13	
CCV 00072	Tl	5009.00585	5011.97509	5006.03662	0.08383	ug/L	09/18/10	10:13	
CCV 00072	V	4968.46777	4969.46435	4967.47167	0.02835	ug/L	09/18/10	10:13	
CCV 00072	Zn	2505.98779	2507.30078	2504.67480	0.07409	ug/L	09/18/10	10:13	
CCV 00072	2203/1	496.41784	492.84841	499.98727	1.01687	ug/L	09/18/10	10:13	
CCV 00072	2203/2	501.02786	501.37121	500.68450	0.09691	ug/L	09/18/10	10:13	
CCV 00072	1960/1	4978.99072	4990.69921	4967.28222	0.33256	ug/L	09/18/10	10:13	
CCV 00072	1960/2	5006.85302	4995.93505	5017.77099	0.30838	ug/L	09/18/10	10:13	
CCV 00072	Y	994.34698	992.47003	996.22393	0.26695		09/18/10	10:13	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP..	TIMESTMP	COMMENT.....
CCB	Ag	0.42108	0.39845	0.44371	7.60123	ug/L	09/18/10	10:21	
CCB	Al	0.14761	0.70316	-0.40793	532.23956	ug/L	09/18/10	10:21	
CCB	2Al	0.00014	0.00070	-0.00040	532.25524	mg/L	09/18/10	10:21	
CCB	As	-1.50004	-1.76017	-1.23992	24.52380	ug/L	09/18/10	10:21	
CCB	B	8.32123	9.22566	7.41680	15.37098	ug/L	09/18/10	10:21	
CCB	Ba	-0.01315	-0.01321	-0.01309	0.64369	ug/L	09/18/10	10:21	
CCB	Be	0.01005	-0.00095	0.02106	154.89015	ug/L	09/18/10	10:21	
CCB	Ca	-0.75360	-0.69045	-0.81674	11.84925	ug/L	09/18/10	10:21	
CCB	Cd	0.17610	0.36504	-0.01284	151.73281	ug/L	09/18/10	10:21	
CCB	Co	-0.39450	-0.47863	-0.31037	30.15956	ug/L	09/18/10	10:21	
CCB	Cr	0.03633	-0.20356	0.27622	933.79797	ug/L	09/18/10	10:21	
CCB	Cu	-0.19279	-0.03951	-0.34607	112.43518	ug/L	09/18/10	10:21	
CCB	Fe	9.23677	3.11092	15.36261	93.79090	ug/L	09/18/10	10:21	
CCB	2Fe	0.00923	0.00311	0.01536	93.79131	mg/L	09/18/10	10:21	
CCB	K	-3.93134	0.90112	-8.76380	173.83734	ug/L	09/18/10	10:21	
CCB	Mg	1.32951	1.32818	1.33084	0.14148	ug/L	09/18/10	10:21	
CCB	2Mg	0.00132	0.00132	0.00132	0.02853	mg/L	09/18/10	10:21	
CCB	Mn	-0.01695	-0.05043	0.01653	279.38555	ug/L	09/18/10	10:21	
CCB	Mo	1.07205	2.42037	-0.27626	177.86492	ug/L	09/18/10	10:21	
CCB	Na	-149.70614	97.21077	-396.62307	233.25245	ug/L	09/18/10	10:21	
CCB	Ni	0.08808	-0.23075	0.40692	511.90252	ug/L	09/18/10	10:21	
CCB	Pb	0.68658	2.06467	-0.69151	283.85891	ug/L	09/18/10	10:21	
CCB	Se	3.55625	4.95729	2.15520	55.71538	ug/L	09/18/10	10:21	
CCB	Sb	2.75125	3.13003	2.37248	19.46985	ug/L	09/18/10	10:21	
CCB	Sn	-0.80273	2.53962	-4.14508	588.84130	ug/L	09/18/10	10:21	
CCB	Sr	-0.03667	-0.05314	-0.02019	63.54690	ug/L	09/18/10	10:21	
CCB	Ti	0.08193	0.02915	0.13471	91.10054	ug/L	09/18/10	10:21	
CCB	Tl	1.78989	2.68307	0.89670	70.57148	ug/L	09/18/10	10:21	
CCB	V	0.76923	1.09165	0.44682	59.27496	ug/L	09/18/10	10:21	
CCB	Zn	-0.57182	-0.49119	-0.65244	19.94044	ug/L	09/18/10	10:21	
CCB	2203/1	3.16629	4.11634	2.21623	42.43375	ug/L	09/18/10	10:21	
CCB	2203/2	-0.55141	1.04038	-2.14321	408.24856	ug/L	09/18/10	10:21	
CCB	1960/1	1.38259	2.39694	0.36824	103.75497	ug/L	09/18/10	10:21	
CCB	1960/2	4.64145	6.23555	3.04734	48.57111	ug/L	09/18/10	10:21	
CCB	Y	1007.25427	1005.69598	1008.81262	0.21879		09/18/10	10:21	
PBS 180221	Ag	-0.02636	0.06591	-0.11863	494.98764	ug/L	09/18/10	11:14	
PBS 180221	Al	4.95903	2.36847	7.54960	73.87738	ug/L	09/18/10	11:14	
PBS 180221	2Al	0.00495	0.00236	0.00755	73.87738	mg/L	09/18/10	11:14	
PBS 180221	As	-4.28884	-4.37924	-4.19845	2.98060	ug/L	09/18/10	11:14	
PBS 180221	B	0.68432	-0.63215	2.00080	272.06106	ug/L	09/18/10	11:14	
PBS 180221	Ba	-0.09502	-0.12665	-0.06339	47.07552	ug/L	09/18/10	11:14	
PBS 180221	Be	0.01259	0.00972	0.01547	32.26772	ug/L	09/18/10	11:14	
PBS 180221	Ca	33.42574	34.36829	32.48318	3.98785	ug/L	09/18/10	11:14	
PBS 180221	Cd	-0.23450	-0.24514	-0.22387	6.41326	ug/L	09/18/10	11:14	
PBS 180221	Co	0.07075	-0.28578	0.42730	712.59283	ug/L	09/18/10	11:14	
PBS 180221	Cr	0.52202	0.44851	0.59554	19.91541	ug/L	09/18/10	11:14	
PBS 180221	Cu	-0.08917	-0.09664	-0.08169	11.85422	ug/L	09/18/10	11:14	
PBS 180221	Fe	58.48883	49.38084	67.59682	22.02240	ug/L	09/18/10	11:14	
PBS 180221	2Fe	0.05848	0.04937	0.06759	22.02256	mg/L	09/18/10	11:14	
PBS 180221	K	-0.17767	4.16711	-4.52246	3458.28906	ug/L	09/18/10	11:14	
PBS 180221	Mg	1.34432	1.34230	1.34635	0.21296	ug/L	09/18/10	11:14	
PBS 180221	2Mg	0.00133	0.00133	0.00133	0.04748	mg/L	09/18/10	11:14	
PBS 180221	Mn	0.79888	0.74288	0.85487	9.91236	ug/L	09/18/10	11:14	
PBS 180221	Mo	0.28719	-0.13143	0.70582	206.14035	ug/L	09/18/10	11:14	
PBS 180221	Na	-41.74152	-71.32310	-12.15994	100.22314	ug/L	09/18/10	11:14	
PBS 180221	Ni	0.75422	1.53292	-0.02446	146.00926	ug/L	09/18/10	11:14	
PBS 180221	Pb	1.07634	0.60464	1.54805	61.97712	ug/L	09/18/10	11:14	
PBS 180221	Se	5.28921	3.55800	7.02042	46.28866	ug/L	09/18/10	11:14	
PBS 180221	Sb	-1.72525	2.15684	-5.60735	318.22009	ug/L	09/18/10	11:14	
PBS 180221	Sn	11.70257	12.21654	11.18860	6.21113	ug/L	09/18/10	11:14	
PBS 180221	Sr	0.05401	-0.00132	0.10936	144.89219	ug/L	09/18/10	11:14	
PBS 180221	Ti	0.32478	0.42755	0.22200	44.75117	ug/L	09/18/10	11:14	
PBS 180221	Tl	0.23775	2.12365	-1.64814	1121.76049	ug/L	09/18/10	11:14	
PBS 180221	V	0.51487	0.92835	0.10138	113.57334	ug/L	09/18/10	11:14	
PBS 180221	Zn	1.89042	2.02193	1.75892	9.83803	ug/L	09/18/10	11:14	
PBS 180221	2203/1	1.35457	3.00230	-0.29315	172.02799	ug/L	09/18/10	11:14	
PBS 180221	2203/2	0.93744	-0.59238	2.46727	230.78773	ug/L	09/18/10	11:14	
PBS 180221	1960/1	5.72874	1.72716	9.73031	98.78413	ug/L	09/18/10	11:14	
PBS 180221	1960/2	5.06978	4.47204	5.66751	16.67376	ug/L	09/18/10	11:14	
PBS 180221	Y	1023.75836	1024.66625	1022.85046	0.12541		09/18/10	11:14	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSS-1	Ag	49.24946	49.35241	49.14651	0.29561	ug/L	09/18/10	11:19	
LCSS-1	Al	1937.47753	1930.81616	1944.13879	0.48622	ug/L	09/18/10	11:19	
LCSS-1	2Al	1.93756	1.93080	1.94432	0.49349	mg/L	09/18/10	11:19	
LCSS-1	As	1989.70947	1984.42395	1994.99487	0.37567	ug/L	09/18/10	11:19	
LCSS-1	B	1007.48675	1006.80157	1008.17193	0.09617	ug/L	09/18/10	11:19	
LCSS-1	Ba	2020.12060	2017.66357	2022.57751	0.17200	ug/L	09/18/10	11:19	
LCSS-1	Be	49.64177	49.54247	49.74107	0.28288	ug/L	09/18/10	11:19	
LCSS-1	Ca	4940.53417	4933.91064	4947.15771	0.18959	ug/L	09/18/10	11:19	
LCSS-1	Cd	50.28907	50.38199	50.19614	0.26132	ug/L	09/18/10	11:19	
LCSS-1	Co	499.56582	498.81170	500.31994	0.21348	ug/L	09/18/10	11:19	
LCSS-1	Cr	202.10668	202.21235	202.00102	0.07393	ug/L	09/18/10	11:19	
LCSS-1	Cu	252.14016	251.83877	252.44155	0.16904	ug/L	09/18/10	11:19	
LCSS-1	Fe	1023.42822	1024.11181	1022.74468	0.09445	ug/L	09/18/10	11:19	
LCSS-1	2Fe	1.02356	1.02424	1.02287	0.09438	mg/L	09/18/10	11:19	
LCSS-1	K	4814.53613	4806.29541	4822.77636	0.24205	ug/L	09/18/10	11:19	
LCSS-1	Mg	4976.09423	4966.30810	4985.88037	0.27812	ug/L	09/18/10	11:19	
LCSS-1	2Mg	4.97474	4.96495	4.98452	0.27813	mg/L	09/18/10	11:19	
LCSS-1	Mn	503.31683	502.59014	504.04354	0.20418	ug/L	09/18/10	11:19	
LCSS-1	Mo	506.12963	506.72207	505.53723	0.16553	ug/L	09/18/10	11:19	
LCSS-1	Na	4759.21337	4708.29687	4810.12988	1.51299	ug/L	09/18/10	11:19	
LCSS-1	Ni	501.92990	502.37667	501.48312	0.12588	ug/L	09/18/10	11:19	
LCSS-1	Pb	497.87567	499.97052	495.78079	0.59504	ug/L	09/18/10	11:19	
LCSS-1	Se	2002.71069	2002.20104	2003.22045	0.03599	ug/L	09/18/10	11:19	
LCSS-1	Sb	480.58618	476.45632	484.71606	1.21528	ug/L	09/18/10	11:19	
LCSS-1	Sn	1011.72601	1010.81451	1012.63751	0.12741	ug/L	09/18/10	11:19	
LCSS-1	Sr	517.13134	517.13818	517.12457	0.00186	ug/L	09/18/10	11:19	
LCSS-1	Ti	696.08251	695.11242	697.05261	0.19709	ug/L	09/18/10	11:19	
LCSS-1	Tl	2063.04663	2058.56323	2067.53002	0.30733	ug/L	09/18/10	11:19	
LCSS-1	V	492.68789	491.42578	493.95001	0.36227	ug/L	09/18/10	11:19	
LCSS-1	Zn	511.22589	510.57415	511.87765	0.18029	ug/L	09/18/10	11:19	
LCSS-1	2203/1	496.38671	496.52554	496.24786	0.03955	ug/L	09/18/10	11:19	
LCSS-1	2203/2	498.61901	501.69042	495.54760	0.87113	ug/L	09/18/10	11:19	
LCSS-1	1960/1	1999.66284	1995.53747	2003.78833	0.29176	ug/L	09/18/10	11:19	
LCSS-1	1960/2	2004.23193	2005.52734	2002.93640	0.09141	ug/L	09/18/10	11:19	
LCSS-1	Y	1002.63610	1000.54528	1004.72692	0.29490		09/18/10	11:19	
61154-1	Ag	-0.60950	-0.78814	-0.43087	41.44773	ug/L	09/18/10	11:24	
61154-1	Al	60666.14453	60571.09375	60761.19531	0.22157	ug/L	09/18/10	11:24	
61154-1	2Al	60.66658	60.57236	60.76079	0.21962	mg/L	09/18/10	11:24	
61154-1	As	8.58929	10.71955	6.45903	35.07443	ug/L	09/18/10	11:24	
61154-1	B	14.31847	15.81761	12.81933	14.80678	ug/L	09/18/10	11:24	
61154-1	Ba	146.53503	146.49011	146.57997	0.04336	ug/L	09/18/10	11:24	
61154-1	Be	4.46458	4.44329	4.48588	0.67459	ug/L	09/18/10	11:24	
61154-1	Ca	13453.77539	13425.65039	13481.90136	0.29564	ug/L	09/18/10	11:24	
61154-1	Cd	0.05868	-0.19792	0.31528	618.39831	ug/L	09/18/10	11:24	
61154-1	Co	33.34303	33.61783	33.06822	1.16555	ug/L	09/18/10	11:24	
61154-1	Cr	88.00770	88.14152	87.87389	0.21503	ug/L	09/18/10	11:24	
61154-1	Cu	62.66741	62.12577	63.20906	1.22232	ug/L	09/18/10	11:24	
61154-1	Fe	122058.47656	121775.25000	122341.70312	0.32815	ug/L	09/18/10	11:24	
61154-1	2Fe	122.03874	121.75749	122.31999	0.32591	mg/L	09/18/10	11:24	
61154-1	K	3182.59912	3177.70043	3187.49755	0.21767	ug/L	09/18/10	11:24	
61154-1	Mg	26315.14453	26261.23437	26369.05273	0.28971	ug/L	09/18/10	11:24	
61154-1	2Mg	26.28575	26.23317	26.33832	0.28286	mg/L	09/18/10	11:24	
61154-1	Mn	1678.32409	1674.81872	1681.82946	0.29537	ug/L	09/18/10	11:24	
61154-1	Mo	3.11032	4.32422	1.89641	55.19432	ug/L	09/18/10	11:24	
61154-1	Na	-440.42153	-611.03436	-269.80871	54.78455	ug/L	09/18/10	11:24	
61154-1	Ni	58.65459	57.77585	59.53333	2.11872	ug/L	09/18/10	11:24	
61154-1	Pb	71.22712	71.86240	70.59185	1.26133	ug/L	09/18/10	11:24	
61154-1	Se	2.06827	2.44417	1.69236	25.70323	ug/L	09/18/10	11:24	
61154-1	Sb	3.04617	1.82208	4.27027	56.82954	ug/L	09/18/10	11:24	
61154-1	Sn	18.07525	14.10844	22.04207	31.03648	ug/L	09/18/10	11:24	
61154-1	Sr	132.77485	132.35598	133.19372	0.44614	ug/L	09/18/10	11:24	
61154-1	Ti	4555.47265	4544.61132	4566.33398	0.33718	ug/L	09/18/10	11:24	
61154-1	Tl	3.05950	6.28634	-0.16733	149.15629	ug/L	09/18/10	11:24	
61154-1	V	232.41252	231.88223	232.94281	0.32267	ug/L	09/18/10	11:24	
61154-1	Zn	419.68975	418.48303	420.89648	0.40662	ug/L	09/18/10	11:24	
61154-1	2203/1	82.48082	84.11064	80.85100	2.79448	ug/L	09/18/10	11:24	
61154-1	2203/2	65.60871	65.74746	65.46997	0.29907	ug/L	09/18/10	11:24	
61154-1	1960/1	-0.39099	-0.65924	-0.12274	97.02506	ug/L	09/18/10	11:24	
61154-1	1960/2	3.29605	3.99356	2.59855	29.92716	ug/L	09/18/10	11:24	
61154-1	Y	1059.54260	1059.20214	1059.88305	0.04544		09/18/10	11:24	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61154-1L	Ag	0.04478	-0.11863	0.20820	516.06848	ug/L	09/18/10	11:30	
61154-1L	Al	12295.60546	12347.57910	12243.63281	0.59778	ug/L	09/18/10	11:30	
61154-1L	2Al	12.29593	12.34761	12.24425	0.59444	mg/L	09/18/10	11:30	
61154-1L	As	1.70238	4.17634	-0.77158	205.51884	ug/L	09/18/10	11:30	
61154-1L	B	4.61787	5.55892	3.67683	28.81922	ug/L	09/18/10	11:30	
61154-1L	Ba	29.40822	29.54852	29.26793	0.67467	ug/L	09/18/10	11:30	
61154-1L	Be	0.92232	0.92212	0.92251	0.02997	ug/L	09/18/10	11:30	
61154-1L	Ca	2700.74804	2707.90014	2693.59594	0.37451	ug/L	09/18/10	11:30	
61154-1L	Cd	-0.13956	-0.20842	-0.07069	69.78218	ug/L	09/18/10	11:30	
61154-1L	Co	6.52852	6.27015	6.78689	5.59683	ug/L	09/18/10	11:30	
61154-1L	Cr	17.98455	17.82888	18.14022	1.22411	ug/L	09/18/10	11:30	
61154-1L	Cu	12.33465	12.34141	12.32789	0.07755	ug/L	09/18/10	11:30	
61154-1L	Fe	24998.42773	25131.70898	24865.14648	0.75400	ug/L	09/18/10	11:30	
61154-1L	2Fe	24.99505	25.12781	24.86229	0.75116	mg/L	09/18/10	11:30	
61154-1L	K	628.53918	630.14868	626.92962	0.36214	ug/L	09/18/10	11:30	
61154-1L	Mg	5368.45410	5389.92187	5346.98583	0.56553	ug/L	09/18/10	11:30	
61154-1L	2Mg	5.36270	5.38414	5.34126	0.56538	mg/L	09/18/10	11:30	
61154-1L	Mn	344.51995	345.86093	343.17898	0.55045	ug/L	09/18/10	11:30	
61154-1L	Mo	0.28928	-0.20419	0.78276	241.24633	ug/L	09/18/10	11:30	
61154-1L	Na	-333.35278	-286.81365	-379.89190	19.74372	ug/L	09/18/10	11:30	
61154-1L	Ni	10.79349	10.46327	11.12371	4.32670	ug/L	09/18/10	11:30	
61154-1L	Pb	15.94740	16.73296	15.16183	6.96635	ug/L	09/18/10	11:30	
61154-1L	Se	4.99009	6.06193	3.91826	30.37626	ug/L	09/18/10	11:30	
61154-1L	Sb	2.60082	-0.78638	5.98803	184.18144	ug/L	09/18/10	11:30	
61154-1L	Sn	3.15202	4.96024	1.34379	81.12960	ug/L	09/18/10	11:30	
61154-1L	Sr	26.12793	26.25368	26.00219	0.68061	ug/L	09/18/10	11:30	
61154-1L	Ti	912.46337	915.33709	909.58966	0.44539	ug/L	09/18/10	11:30	
61154-1L	Tl	0.24601	1.36315	-0.87112	642.18084	ug/L	09/18/10	11:30	
61154-1L	V	45.20170	45.49892	44.90449	0.92989	ug/L	09/18/10	11:30	
61154-1L	Zn	86.93269	87.05384	86.81154	0.19708	ug/L	09/18/10	11:30	
61154-1L	2203/1	16.25305	15.60682	16.89927	5.62295	ug/L	09/18/10	11:30	
61154-1L	2203/2	15.79480	17.29518	14.29442	13.43390	ug/L	09/18/10	11:30	
61154-1L	1960/1	2.79564	-3.00929	8.60057	293.65039	ug/L	09/18/10	11:30	
61154-1L	1960/2	6.08567	10.59074	1.58061	104.69046	ug/L	09/18/10	11:30	
61154-1L	Y	1012.96807	1013.43951	1012.49664	0.06581		09/18/10	11:30	
61154-1A	Ag	44.75268	44.45792	45.04745	0.93147	ug/L	09/18/10	11:35	
61154-1A	Al	61307.50000	61143.30078	61471.69921	0.37876	ug/L	09/18/10	11:35	
61154-1A	2Al	61.30787	61.14347	61.47228	0.37924	mg/L	09/18/10	11:35	
61154-1A	As	1854.40893	1851.68969	1857.12817	0.20737	ug/L	09/18/10	11:35	
61154-1A	B	975.14044	972.11053	978.17034	0.43941	ug/L	09/18/10	11:35	
61154-1A	Ba	2032.33288	2028.13220	2036.53356	0.29230	ug/L	09/18/10	11:35	
61154-1A	Be	50.45230	50.44443	50.46017	0.02205	ug/L	09/18/10	11:35	
61154-1A	Ca	17674.88281	17653.06445	17696.69921	0.17456	ug/L	09/18/10	11:35	
61154-1A	Cd	45.90039	46.08863	45.71215	0.57997	ug/L	09/18/10	11:35	
61154-1A	Co	486.35870	485.80310	486.91427	0.16155	ug/L	09/18/10	11:35	
61154-1A	Cr	269.56121	268.98730	270.13510	0.30108	ug/L	09/18/10	11:35	
61154-1A	Cu	293.19891	292.69393	293.70385	0.24356	ug/L	09/18/10	11:35	
61154-1A	Fe	120228.89062	120048.71093	120409.06250	0.21193	ug/L	09/18/10	11:35	
61154-1A	2Fe	120.20941	120.02925	120.38957	0.21195	mg/L	09/18/10	11:35	
61154-1A	K	8080.18066	8066.87060	8093.49072	0.23295	ug/L	09/18/10	11:35	
61154-1A	Mg	30617.97265	30586.35546	30649.58789	0.14603	ug/L	09/18/10	11:35	
61154-1A	2Mg	30.58659	30.55501	30.61817	0.14600	mg/L	09/18/10	11:35	
61154-1A	Mn	2105.43505	2102.07055	2108.79931	0.22598	ug/L	09/18/10	11:35	
61154-1A	Mo	472.06579	470.64279	473.48883	0.42630	ug/L	09/18/10	11:35	
61154-1A	Na	4488.82324	4555.56738	4422.07958	2.10278	ug/L	09/18/10	11:35	
61154-1A	Ni	508.06005	508.27917	507.84094	0.06099	ug/L	09/18/10	11:35	
61154-1A	Pb	519.57812	517.30529	521.85101	0.61863	ug/L	09/18/10	11:35	
61154-1A	Se	1848.86083	1846.34472	1851.37695	0.19246	ug/L	09/18/10	11:35	
61154-1A	Sb	446.61596	448.11724	445.11471	0.47537	ug/L	09/18/10	11:35	
61154-1A	Sn	986.19329	983.53576	988.85083	0.38109	ug/L	09/18/10	11:35	
61154-1A	Sr	631.45727	629.99902	632.91546	0.32658	ug/L	09/18/10	11:35	
61154-1A	Ti	5341.31347	5331.79833	5350.82861	0.25193	ug/L	09/18/10	11:35	
61154-1A	Tl	1882.63049	1878.83264	1886.42834	0.28529	ug/L	09/18/10	11:35	
61154-1A	V	666.74780	665.90270	667.59283	0.17924	ug/L	09/18/10	11:35	
61154-1A	Zn	867.65393	867.06677	868.24114	0.09570	ug/L	09/18/10	11:35	
61154-1A	2203/1	530.41015	528.78155	532.03869	0.43421	ug/L	09/18/10	11:35	
61154-1A	2203/2	514.17028	511.57580	516.76477	0.71360	ug/L	09/18/10	11:35	
61154-1A	1960/1	1840.50366	1840.22326	1840.78405	0.02154	ug/L	09/18/10	11:35	
61154-1A	1960/2	1853.03320	1849.40075	1856.66552	0.27721	ug/L	09/18/10	11:35	
61154-1A	Y	1053.58874	1053.13476	1054.04272	0.06093		09/18/10	11:35	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61154-1S	Ag	47.86232	47.92769	47.79695	0.19314	ug/L	09/18/10	11:40	
61154-1S	Al	41865.10156	41915.53125	41814.66796	0.17035	ug/L	09/18/10	11:40	
61154-1S	2Al	41.86790	41.91797	41.81784	0.16910	mg/L	09/18/10	11:40	
61154-1S	As	1955.74743	1957.48071	1954.01416	0.12533	ug/L	09/18/10	11:40	
61154-1S	B	992.39208	990.90893	993.87518	0.21135	ug/L	09/18/10	11:40	
61154-1S	Ba	2112.51562	2112.49536	2112.53564	0.00134	ug/L	09/18/10	11:40	
61154-1S	Be	51.77201	51.69482	51.84918	0.21082	ug/L	09/18/10	11:40	
61154-1S	Ca	16940.51953	16923.31054	16957.72851	0.14366	ug/L	09/18/10	11:40	
61154-1S	Cd	48.98009	48.85822	49.10195	0.35187	ug/L	09/18/10	11:40	
61154-1S	Co	510.13470	509.43392	510.83544	0.19426	ug/L	09/18/10	11:40	
61154-1S	Cr	256.82714	256.13067	257.52365	0.38351	ug/L	09/18/10	11:40	
61154-1S	Cu	293.98883	294.14849	293.82916	0.07680	ug/L	09/18/10	11:40	
61154-1S	Fe	76474.70312	76432.56250	76516.84375	0.07792	ug/L	09/18/10	11:40	
61154-1S	2Fe	76.46682	76.42420	76.50945	0.07883	mg/L	09/18/10	11:40	
61154-1S	K	7829.56152	7818.49804	7840.62500	0.19983	ug/L	09/18/10	11:40	
61154-1S	Mg	20842.50781	20838.72265	20846.29296	0.02568	ug/L	09/18/10	11:40	
61154-1S	2Mg	20.82387	20.82009	20.82764	0.02565	mg/L	09/18/10	11:40	
61154-1S	Mn	1510.32897	1509.54931	1511.10864	0.07300	ug/L	09/18/10	11:40	
61154-1S	Mo	484.42333	485.62881	483.21789	0.35191	ug/L	09/18/10	11:40	
61154-1S	Na	4821.24902	4673.26464	4969.23339	4.34081	ug/L	09/18/10	11:40	
61154-1S	Ni	527.25378	525.25329	529.25433	0.53658	ug/L	09/18/10	11:40	
61154-1S	Pb	526.07067	525.91802	526.22332	0.04103	ug/L	09/18/10	11:40	
61154-1S	Se	1956.78710	1961.98291	1951.59143	0.37550	ug/L	09/18/10	11:40	
61154-1S	Sb	465.52221	468.82678	462.21768	1.00389	ug/L	09/18/10	11:40	
61154-1S	Sn	983.37536	983.77874	982.97192	0.05801	ug/L	09/18/10	11:40	
61154-1S	Sr	620.85424	621.38757	620.32086	0.12149	ug/L	09/18/10	11:40	
61154-1S	Ti	3691.45825	3691.10278	3691.81372	0.01361	ug/L	09/18/10	11:40	
61154-1S	Tl	1997.71276	1997.38110	1998.04443	0.02347	ug/L	09/18/10	11:40	
61154-1S	V	578.13946	577.89074	578.38818	0.06084	ug/L	09/18/10	11:40	
61154-1S	Zn	1310.26977	1311.24804	1309.29138	0.10559	ug/L	09/18/10	11:40	
61154-1S	2203/1	532.71923	532.92535	532.51318	0.05470	ug/L	09/18/10	11:40	
61154-1S	2203/2	522.75134	522.41961	523.08312	0.08975	ug/L	09/18/10	11:40	
61154-1S	1960/1	1939.67980	1940.35778	1939.00183	0.04943	ug/L	09/18/10	11:40	
61154-1S	1960/2	1965.32812	1972.77929	1957.87683	0.53617	ug/L	09/18/10	11:40	
61154-1S	Y	1060.68188	1062.68542	1058.67834	0.26713		09/18/10	11:40	
61154-1SD	Ag	50.16063	50.27105	50.05020	0.31132	ug/L	09/18/10	11:45	
61154-1SD	Al	38123.65625	38154.35546	38092.96093	0.11387	ug/L	09/18/10	11:45	
61154-1SD	2Al	38.12516	38.15399	38.09631	0.10698	mg/L	09/18/10	11:45	
61154-1SD	As	2043.93774	2043.58703	2044.28845	0.02426	ug/L	09/18/10	11:45	
61154-1SD	B	1040.76538	1044.72924	1036.80163	0.53861	ug/L	09/18/10	11:45	
61154-1SD	Ba	2214.28955	2217.79492	2210.78442	0.22387	ug/L	09/18/10	11:45	
61154-1SD	Be	54.20986	54.29829	54.12143	0.23069	ug/L	09/18/10	11:45	
61154-1SD	Ca	16352.96875	16369.73632	16336.20019	0.14501	ug/L	09/18/10	11:45	
61154-1SD	Cd	50.97433	50.95010	50.99856	0.06723	ug/L	09/18/10	11:45	
61154-1SD	Co	525.93066	527.09320	524.76818	0.31259	ug/L	09/18/10	11:45	
61154-1SD	Cr	277.31805	278.01934	276.61679	0.35762	ug/L	09/18/10	11:45	
61154-1SD	Cu	301.06695	300.73153	301.40240	0.15756	ug/L	09/18/10	11:45	
61154-1SD	Fe	67115.84375	67143.66406	67088.03125	0.05861	ug/L	09/18/10	11:45	
61154-1SD	2Fe	67.10754	67.13179	67.08329	0.05111	mg/L	09/18/10	11:45	
61154-1SD	K	7650.81738	7662.98681	7638.64794	0.22494	ug/L	09/18/10	11:45	
61154-1SD	Mg	18432.35937	18467.70312	18397.01367	0.27118	ug/L	09/18/10	11:45	
61154-1SD	2Mg	18.41596	18.45130	18.38064	0.27131	mg/L	09/18/10	11:45	
61154-1SD	Mn	1346.20239	1348.21398	1344.19067	0.21132	ug/L	09/18/10	11:45	
61154-1SD	Mo	512.64166	513.78491	511.49844	0.31538	ug/L	09/18/10	11:45	
61154-1SD	Na	5128.71240	5069.16113	5188.26367	1.64209	ug/L	09/18/10	11:45	
61154-1SD	Ni	539.13342	539.89312	538.37377	0.19927	ug/L	09/18/10	11:45	
61154-1SD	Pb	557.20391	555.22552	559.18231	0.50212	ug/L	09/18/10	11:45	
61154-1SD	Se	2032.55212	2031.45959	2033.64465	0.07601	ug/L	09/18/10	11:45	
61154-1SD	Sb	493.64697	493.45880	493.83517	0.05391	ug/L	09/18/10	11:45	
61154-1SD	Sn	1033.47338	1033.13854	1033.80822	0.04581	ug/L	09/18/10	11:45	
61154-1SD	Sr	678.87280	680.86499	676.88055	0.41501	ug/L	09/18/10	11:45	
61154-1SD	Ti	3699.34423	3704.45922	3694.22900	0.19554	ug/L	09/18/10	11:45	
61154-1SD	Tl	2095.75854	2100.97851	2090.53857	0.35224	ug/L	09/18/10	11:45	
61154-1SD	V	595.83325	596.12591	595.54052	0.06947	ug/L	09/18/10	11:45	
61154-1SD	Zn	990.02746	990.72186	989.33300	0.09919	ug/L	09/18/10	11:45	
61154-1SD	2203/1	561.77856	561.02551	562.53161	0.18957	ug/L	09/18/10	11:45	
61154-1SD	2203/2	554.91998	552.32983	557.51013	0.66009	ug/L	09/18/10	11:45	
61154-1SD	1960/1	2018.59143	2024.45056	2012.73229	0.41048	ug/L	09/18/10	11:45	
61154-1SD	1960/2	2039.52197	2034.95886	2044.08520	0.31641	ug/L	09/18/10	11:45	
61154-1SD	Y	1016.43389	1015.14184	1017.72595	0.17976		09/18/10	11:45	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	487.01818	487.52313	486.51324	0.14662	ug/L	09/18/10	11:50	
CCV	Al	4850.08496	4855.40722	4844.76269	0.15518	ug/L	09/18/10	11:50	
CCV	2Al	4.85052	4.85584	4.84519	0.15518	mg/L	09/18/10	11:50	
CCV	As	493.73608	495.59609	491.87609	0.53276	ug/L	09/18/10	11:50	
CCV	B	4929.87597	4931.12109	4928.63085	0.03571	ug/L	09/18/10	11:50	
CCV	Ba	4962.91210	4966.06396	4959.76074	0.08980	ug/L	09/18/10	11:50	
CCV	Be	492.91168	493.77301	492.05032	0.24712	ug/L	09/18/10	11:50	
CCV	Ca	4898.92822	4901.42724	4896.42919	0.07214	ug/L	09/18/10	11:50	
CCV	Cd	494.32226	493.60308	495.04147	0.20575	ug/L	09/18/10	11:50	
CCV	Co	487.84716	487.86132	487.83297	0.00410	ug/L	09/18/10	11:50	
CCV	Cr	4928.39843	4936.38574	4920.41064	0.22920	ug/L	09/18/10	11:50	
CCV	Cu	4917.84277	4922.56250	4913.12255	0.13573	ug/L	09/18/10	11:50	
CCV	Fe	4912.75976	4918.15673	4907.36279	0.15536	ug/L	09/18/10	11:50	
CCV	2Fe	4.91301	4.91841	4.90761	0.15534	mg/L	09/18/10	11:50	
CCV	K	9760.36718	9761.85449	9758.87890	0.02155	ug/L	09/18/10	11:50	
CCV	Mg	4905.80957	4906.53125	4905.08740	0.02081	ug/L	09/18/10	11:50	
CCV	2Mg	4.90582	4.90654	4.90509	0.02083	mg/L	09/18/10	11:50	
CCV	Mn	4938.23925	4942.55468	4933.92431	0.12357	ug/L	09/18/10	11:50	
CCV	Mo	496.29727	495.96524	496.62930	0.09461	ug/L	09/18/10	11:50	
CCV	Na	7200.00390	7121.90087	7278.10693	1.53408	ug/L	09/18/10	11:50	
CCV	Ni	2465.62353	2468.90942	2462.33740	0.18847	ug/L	09/18/10	11:50	
CCV	Pb	495.99200	493.51632	498.46768	0.70588	ug/L	09/18/10	11:50	
CCV	Se	4971.39257	4961.28808	4981.49658	0.28743	ug/L	09/18/10	11:50	
CCV	Sb	492.16009	496.40457	487.91561	1.21964	ug/L	09/18/10	11:50	
CCV	Sn	4926.51171	4931.23388	4921.78955	0.13555	ug/L	09/18/10	11:50	
CCV	Sr	2515.41992	2519.06738	2511.77270	0.20505	ug/L	09/18/10	11:50	
CCV	Ti	495.52069	496.15374	494.88760	0.18067	ug/L	09/18/10	11:50	
CCV	Tl	4972.24414	4981.41357	4963.07421	0.26080	ug/L	09/18/10	11:50	
CCV	V	4914.92968	4919.78076	4910.07910	0.13957	ug/L	09/18/10	11:50	
CCV	Zn	2478.29003	2479.63793	2476.94238	0.07690	ug/L	09/18/10	11:50	
CCV	2203/1	492.66552	487.49035	497.84072	1.48555	ug/L	09/18/10	11:50	
CCV	2203/2	497.64843	496.52050	498.77636	0.32053	ug/L	09/18/10	11:50	
CCV	1960/1	4945.47607	4947.23925	4943.71289	0.05042	ug/L	09/18/10	11:50	
CCV	1960/2	4984.33105	4968.30175	5000.36035	0.45480	ug/L	09/18/10	11:50	
CCV	Y	1024.15551	1024.84082	1023.47027	0.09462		09/18/10	11:50	
CCB	Ag	0.11645	-0.07156	0.30447	228.32884	ug/L	09/18/10	11:55	
CCB	Al	6.06885	4.32391	7.81379	40.66198	ug/L	09/18/10	11:55	
CCB	2Al	0.00606	0.00432	0.00781	40.66205	mg/L	09/18/10	11:55	
CCB	As	-2.14664	-3.68512	-0.60815	101.35570	ug/L	09/18/10	11:55	
CCB	B	17.28625	19.61306	14.95943	19.03602	ug/L	09/18/10	11:55	
CCB	Ba	0.62644	-0.15563	1.40851	176.55639	ug/L	09/18/10	11:55	
CCB	Be	0.04613	-0.01566	0.10793	189.45339	ug/L	09/18/10	11:55	
CCB	Ca	1.39751	-0.11748	2.91250	153.31010	ug/L	09/18/10	11:55	
CCB	Cd	-0.07776	-0.13048	-0.02503	95.89246	ug/L	09/18/10	11:55	
CCB	Co	-0.25998	-0.21313	-0.30683	25.48370	ug/L	09/18/10	11:55	
CCB	Cr	0.44501	-0.68605	1.57609	359.44338	ug/L	09/18/10	11:55	
CCB	Cu	0.45888	-0.06193	0.97970	160.50799	ug/L	09/18/10	11:55	
CCB	Fe	9.78410	3.08852	16.47969	96.77923	ug/L	09/18/10	11:55	
CCB	2Fe	0.00978	0.00308	0.01647	96.77979	mg/L	09/18/10	11:55	
CCB	K	-11.19319	-23.68835	1.30196	157.87115	ug/L	09/18/10	11:55	
CCB	Mg	-0.00469	1.32860	-1.33799	40168.31250	ug/L	09/18/10	11:55	
CCB	2Mg	0.00000	0.00132	-0.00133	30785.79492	mg/L	09/18/10	11:55	
CCB	Mn	0.62440	0.00587	1.24292	140.09002	ug/L	09/18/10	11:55	
CCB	Mo	0.18321	-1.27317	1.63959	1124.17602	ug/L	09/18/10	11:55	
CCB	Na	-112.29631	-277.13354	52.54092	207.58923	ug/L	09/18/10	11:55	
CCB	Ni	0.95220	0.55547	1.34892	58.92204	ug/L	09/18/10	11:55	
CCB	Pb	0.83190	-0.92287	2.58667	298.30679	ug/L	09/18/10	11:55	
CCB	Se	1.91862	-0.39579	4.23304	170.59559	ug/L	09/18/10	11:55	
CCB	Sb	0.75236	-1.40212	2.90685	404.97772	ug/L	09/18/10	11:55	
CCB	Sn	-0.73086	0.99155	-2.45328	333.28475	ug/L	09/18/10	11:55	
CCB	Sr	0.31738	-0.03326	0.66804	156.24346	ug/L	09/18/10	11:55	
CCB	Ti	0.37373	0.25865	0.48882	43.54784	ug/L	09/18/10	11:55	
CCB	Tl	2.54650	3.06074	2.03226	28.55868	ug/L	09/18/10	11:55	
CCB	V	1.31640	0.39263	2.24016	99.24044	ug/L	09/18/10	11:55	
CCB	Zn	0.16245	0.05229	0.27261	95.89466	ug/L	09/18/10	11:55	
CCB	2203/1	0.55171	-1.08538	2.18882	419.63848	ug/L	09/18/10	11:55	
CCB	2203/2	0.97178	-0.84173	2.78530	263.91632	ug/L	09/18/10	11:55	
CCB	1960/1	0.38948	0.25224	0.52672	49.83149	ug/L	09/18/10	11:55	
CCB	1960/2	2.68204	-0.71933	6.08342	179.35107	ug/L	09/18/10	11:55	
CCB	Y	1004.93652	1004.27301	1005.59997	0.09336		09/18/10	11:55	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBS 180131	Ag	0.11376	-0.02571	0.25323	173.39132	ug/L	09/18/10	12:01	
PBS 180131	Al	6.18150	8.87438	3.48862	61.60816	ug/L	09/18/10	12:01	
PBS 180131	2Al	0.00618	0.00887	0.00348	61.60815	mg/L	09/18/10	12:01	
PBS 180131	As	-0.41729	0.96365	-1.79823	468.00637	ug/L	09/18/10	12:01	
PBS 180131	B	6.14911	7.26058	5.03764	25.56232	ug/L	09/18/10	12:01	
PBS 180131	Ba	-0.10219	-0.16604	-0.03834	88.35765	ug/L	09/18/10	12:01	
PBS 180131	Be	-0.00128	-0.00114	-0.00142	15.30123	ug/L	09/18/10	12:01	
PBS 180131	Ca	10.53054	10.00984	11.05125	6.99285	ug/L	09/18/10	12:01	
PBS 180131	Cd	-0.12994	-0.00247	-0.25742	138.72656	ug/L	09/18/10	12:01	
PBS 180131	Co	-0.32583	-0.11703	-0.53463	90.62410	ug/L	09/18/10	12:01	
PBS 180131	Cr	1.20547	1.00349	1.40744	23.69484	ug/L	09/18/10	12:01	
PBS 180131	Cu	-0.72788	-1.11176	-0.34400	74.58457	ug/L	09/18/10	12:01	
PBS 180131	Fe	34.50890	45.65854	23.35926	45.69246	ug/L	09/18/10	12:01	
PBS 180131	2Fe	0.03450	0.04565	0.02335	45.69279	mg/L	09/18/10	12:01	
PBS 180131	K	-4.03703	-11.80748	3.73341	272.20642	ug/L	09/18/10	12:01	
PBS 180131	Mg	0.01277	1.33892	-1.31336	14675.75292	ug/L	09/18/10	12:01	
PBS 180131	2Mg	0.00000	0.00133	-0.00131	27220.07421	mg/L	09/18/10	12:01	
PBS 180131	Mn	0.37112	0.38209	0.36015	4.17904	ug/L	09/18/10	12:01	
PBS 180131	Mo	-1.71206	-1.88707	-1.53705	14.45624	ug/L	09/18/10	12:01	
PBS 180131	Na	-277.26333	-321.60501	-232.92167	22.61697	ug/L	09/18/10	12:01	
PBS 180131	Ni	-0.16555	-0.69170	0.36058	449.43212	ug/L	09/18/10	12:01	
PBS 180131	Pb	0.73941	-0.23169	1.71052	185.73493	ug/L	09/18/10	12:01	
PBS 180131	Se	0.09074	1.83911	-1.65761	2724.59521	ug/L	09/18/10	12:01	
PBS 180131	Sb	-2.50002	-2.92448	-2.07555	24.01127	ug/L	09/18/10	12:01	
PBS 180131	Sn	12.37678	12.09224	12.66132	3.25120	ug/L	09/18/10	12:01	
PBS 180131	Sr	-0.00743	-0.02053	0.00565	248.95281	ug/L	09/18/10	12:01	
PBS 180131	Ti	0.15836	0.30303	0.01370	129.18296	ug/L	09/18/10	12:01	
PBS 180131	Tl	4.38379	5.60396	3.16363	39.36255	ug/L	09/18/10	12:01	
PBS 180131	V	0.30073	0.15240	0.44907	69.75531	ug/L	09/18/10	12:01	
PBS 180131	Zn	1.71715	1.77011	1.66419	4.36173	ug/L	09/18/10	12:01	
PBS 180131	2203/1	1.49323	0.85459	2.13187	60.48410	ug/L	09/18/10	12:01	
PBS 180131	2203/2	0.36307	-0.77402	1.50016	442.91439	ug/L	09/18/10	12:01	
PBS 180131	1960/1	-1.14565	3.50001	-5.79132	573.46917	ug/L	09/18/10	12:01	
PBS 180131	1960/2	0.70802	1.00990	0.40614	60.29745	ug/L	09/18/10	12:01	
PBS 180131	Y	1017.27636	1017.53387	1017.01879	0.03580		09/18/10	12:01	
LCSS-1	Ag	51.07144	49.95668	52.18621	3.08688	ug/L	09/18/10	12:06	
LCSS-1	Al	2050.47363	2049.55322	2051.39428	0.06348	ug/L	09/18/10	12:06	
LCSS-1	2Al	2.05047	2.04955	2.05139	0.06344	mg/L	09/18/10	12:06	
LCSS-1	As	2091.12817	2089.60009	2092.65625	0.10334	ug/L	09/18/10	12:06	
LCSS-1	B	1058.97607	1058.20483	1059.74743	0.10300	ug/L	09/18/10	12:06	
LCSS-1	Ba	2140.93310	2141.70117	2140.16503	0.05073	ug/L	09/18/10	12:06	
LCSS-1	Be	52.42803	52.46346	52.39261	0.09556	ug/L	09/18/10	12:06	
LCSS-1	Ca	5232.07031	5228.56738	5235.57373	0.09468	ug/L	09/18/10	12:06	
LCSS-1	Cd	52.98056	52.80768	53.15342	0.46143	ug/L	09/18/10	12:06	
LCSS-1	Co	525.71582	526.61224	524.81933	0.24115	ug/L	09/18/10	12:06	
LCSS-1	Cr	212.50471	212.14665	212.86277	0.23828	ug/L	09/18/10	12:06	
LCSS-1	Cu	273.57116	273.95858	273.18377	0.20026	ug/L	09/18/10	12:06	
LCSS-1	Fe	1072.01721	1066.76025	1077.27416	0.69350	ug/L	09/18/10	12:06	
LCSS-1	2Fe	1.07215	1.06690	1.07741	0.69333	mg/L	09/18/10	12:06	
LCSS-1	K	5051.62500	5054.85693	5048.39355	0.09047	ug/L	09/18/10	12:06	
LCSS-1	Mg	5263.38281	5256.62597	5270.14013	0.18155	ug/L	09/18/10	12:06	
LCSS-1	2Mg	5.26195	5.25519	5.26870	0.18152	mg/L	09/18/10	12:06	
LCSS-1	Mn	531.13269	530.86138	531.40399	0.07223	ug/L	09/18/10	12:06	
LCSS-1	Mo	532.52197	531.16186	533.88208	0.36120	ug/L	09/18/10	12:06	
LCSS-1	Na	5050.22460	5194.42919	4906.02050	4.03815	ug/L	09/18/10	12:06	
LCSS-1	Ni	527.22247	526.55981	527.88513	0.17775	ug/L	09/18/10	12:06	
LCSS-1	Pb	521.56604	519.02453	524.10754	0.68912	ug/L	09/18/10	12:06	
LCSS-1	Se	2093.33837	2090.95996	2095.71704	0.16068	ug/L	09/18/10	12:06	
LCSS-1	Sb	502.03411	502.03274	502.03549	0.00038	ug/L	09/18/10	12:06	
LCSS-1	Sn	1064.32983	1063.73925	1064.92028	0.07846	ug/L	09/18/10	12:06	
LCSS-1	Sr	551.91638	552.18328	551.64953	0.06838	ug/L	09/18/10	12:06	
LCSS-1	Ti	740.90856	740.44873	741.36840	0.08777	ug/L	09/18/10	12:06	
LCSS-1	Tl	2172.33764	2169.92944	2174.74584	0.15677	ug/L	09/18/10	12:06	
LCSS-1	V	518.17700	517.83770	518.51635	0.09260	ug/L	09/18/10	12:06	
LCSS-1	Zn	533.59094	533.04223	534.13970	0.14543	ug/L	09/18/10	12:06	
LCSS-1	2203/1	515.89086	515.88873	515.89306	0.00059	ug/L	09/18/10	12:06	
LCSS-1	2203/2	524.39935	520.59008	528.20861	1.02729	ug/L	09/18/10	12:06	
LCSS-1	1960/1	2075.72143	2071.69384	2079.74902	0.27440	ug/L	09/18/10	12:06	
LCSS-1	1960/2	2102.13330	2100.57812	2103.68847	0.10462	ug/L	09/18/10	12:06	
LCSS-1	Y	998.86914	1001.68890	996.04931	0.39923		09/18/10	12:06	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61109-1	Ag	0.47395	0.70176	0.24614	67.97542	ug/L	09/18/10	12:11	
61109-1	Al	42075.93750	42129.53515	42022.33984	0.18014	ug/L	09/18/10	12:11	
61109-1	2Al	42.07740	42.12927	42.02552	0.17436	mg/L	09/18/10	12:11	
61109-1	As	7.38647	9.05443	5.71850	31.93479	ug/L	09/18/10	12:11	
61109-1	B	13.88052	14.58501	13.17604	7.17759	ug/L	09/18/10	12:11	
61109-1	Ba	152.28515	152.42105	152.14927	0.12619	ug/L	09/18/10	12:11	
61109-1	Be	3.45082	3.46993	3.43171	0.78325	ug/L	09/18/10	12:11	
61109-1	Ca	12637.39843	12648.33496	12626.46093	0.12239	ug/L	09/18/10	12:11	
61109-1	Cd	-0.10738	-0.27808	0.06331	224.80308	ug/L	09/18/10	12:11	
61109-1	Co	31.42003	31.90508	30.93499	2.18318	ug/L	09/18/10	12:11	
61109-1	Cr	64.08796	64.36167	63.81425	0.60398	ug/L	09/18/10	12:11	
61109-1	Cu	52.60398	53.04999	52.15795	1.19908	ug/L	09/18/10	12:11	
61109-1	Fe	70190.64062	70247.52343	70133.75000	0.11461	ug/L	09/18/10	12:11	
61109-1	2Fe	70.18147	70.23535	70.12757	0.10859	mg/L	09/18/10	12:11	
61109-1	K	3981.63916	3989.67797	3973.60009	0.28553	ug/L	09/18/10	12:11	
61109-1	Mg	18361.58203	18371.86523	18351.29882	0.07920	ug/L	09/18/10	12:11	
61109-1	2Mg	18.34456	18.35483	18.33429	0.07918	mg/L	09/18/10	12:11	
61109-1	Mn	1112.76708	1113.09069	1112.44360	0.04111	ug/L	09/18/10	12:11	
61109-1	Mo	1.93671	0.97243	2.90099	70.41295	ug/L	09/18/10	12:11	
61109-1	Na	-44.92358	-138.97358	49.12641	296.07339	ug/L	09/18/10	12:11	
61109-1	Ni	47.78491	48.54944	47.02038	2.26265	ug/L	09/18/10	12:11	
61109-1	Pb	45.82808	46.47954	45.17662	2.01034	ug/L	09/18/10	12:11	
61109-1	Se	2.27512	-0.25103	4.80129	157.02574	ug/L	09/18/10	12:11	
61109-1	Sb	3.53021	4.09946	2.96096	22.80430	ug/L	09/18/10	12:11	
61109-1	Sn	19.13157	24.40425	13.85888	38.97589	ug/L	09/18/10	12:11	
61109-1	Sr	113.77428	113.85523	113.69332	0.10062	ug/L	09/18/10	12:11	
61109-1	Ti	3700.96533	3700.86474	3701.06591	0.00384	ug/L	09/18/10	12:11	
61109-1	Tl	6.10485	8.64151	3.56819	58.76266	ug/L	09/18/10	12:11	
61109-1	V	106.16111	107.22300	105.09922	1.41458	ug/L	09/18/10	12:11	
61109-1	Zn	286.90283	286.81405	286.99163	0.04376	ug/L	09/18/10	12:11	
61109-1	2203/1	55.30001	56.11649	54.48353	2.08802	ug/L	09/18/10	12:11	
61109-1	2203/2	41.09922	41.66830	40.53015	1.95817	ug/L	09/18/10	12:11	
61109-1	1960/1	-0.68109	-2.55508	1.19290	389.11395	ug/L	09/18/10	12:11	
61109-1	1960/2	3.75102	0.89926	6.60277	107.51731	ug/L	09/18/10	12:11	
61109-1	Y	1037.02795	1037.25488	1036.80102	0.03094		09/18/10	12:11	
61109-2	Ag	-0.47627	-0.83390	-0.11863	106.19314	ug/L	09/18/10	12:16	
61109-2	Al	40317.48437	40213.64453	40421.32031	0.36423	ug/L	09/18/10	12:16	
61109-2	2Al	40.31995	40.21553	40.42436	0.36622	mg/L	09/18/10	12:16	
61109-2	As	7.35286	4.71840	9.98733	50.66992	ug/L	09/18/10	12:16	
61109-2	B	10.82769	11.61842	10.03696	10.32776	ug/L	09/18/10	12:16	
61109-2	Ba	119.29272	119.05588	119.52956	0.28077	ug/L	09/18/10	12:16	
61109-2	Be	3.28784	3.28514	3.29054	0.11612	ug/L	09/18/10	12:16	
61109-2	Ca	23047.44921	23000.49804	23094.40234	0.28810	ug/L	09/18/10	12:16	
61109-2	Cd	14.30739	14.27803	14.33675	0.29018	ug/L	09/18/10	12:16	
61109-2	Co	27.09992	27.51793	26.68192	2.18137	ug/L	09/18/10	12:16	
61109-2	Cr	65.06384	65.23843	64.88925	0.37948	ug/L	09/18/10	12:16	
61109-2	Cu	65.17301	64.86122	65.48480	0.67656	ug/L	09/18/10	12:16	
61109-2	Fe	77949.56250	77677.74218	78221.38281	0.49315	ug/L	09/18/10	12:16	
61109-2	2Fe	77.94087	77.66810	78.21364	0.49493	mg/L	09/18/10	12:16	
61109-2	K	2951.58447	2948.83154	2954.33715	0.13189	ug/L	09/18/10	12:16	
61109-2	Mg	20870.09375	20817.93750	20922.24804	0.35341	ug/L	09/18/10	12:16	
61109-2	2Mg	20.85102	20.79893	20.90311	0.35332	mg/L	09/18/10	12:16	
61109-2	Mn	1157.94433	1154.90173	1160.98681	0.37158	ug/L	09/18/10	12:16	
61109-2	Mo	6.33679	6.08625	6.58732	5.59133	ug/L	09/18/10	12:16	
61109-2	Na	-261.43817	-276.67919	-246.19715	8.24441	ug/L	09/18/10	12:16	
61109-2	Ni	49.32467	48.75109	49.89825	1.64453	ug/L	09/18/10	12:16	
61109-2	Pb	80.92783	80.57358	81.28208	0.61904	ug/L	09/18/10	12:16	
61109-2	Se	3.57662	1.70715	5.44608	73.91940	ug/L	09/18/10	12:16	
61109-2	Sb	2.68579	-0.52348	5.89508	168.98554	ug/L	09/18/10	12:16	
61109-2	Sn	17.33675	15.65008	19.02342	13.75868	ug/L	09/18/10	12:16	
61109-2	Sr	290.73748	290.34271	291.13226	0.19202	ug/L	09/18/10	12:16	
61109-2	Ti	3598.20312	3588.60327	3607.80297	0.37730	ug/L	09/18/10	12:16	
61109-2	Tl	5.55965	4.76432	6.35498	20.23080	ug/L	09/18/10	12:16	
61109-2	V	118.02680	118.05424	117.99937	0.03287	ug/L	09/18/10	12:16	
61109-2	Zn	1090.09790	1086.54187	1093.65380	0.46132	ug/L	09/18/10	12:16	
61109-2	2203/1	87.44721	87.45751	87.43693	0.01663	ug/L	09/18/10	12:16	
61109-2	2203/2	77.67301	77.13677	78.20926	0.97635	ug/L	09/18/10	12:16	
61109-2	1960/1	4.53913	5.11144	3.96681	17.83104	ug/L	09/18/10	12:16	
61109-2	1960/2	3.09608	0.00756	6.18460	141.07568	ug/L	09/18/10	12:16	
61109-2	Y	1055.22119	1057.53466	1052.90783	0.31004		09/18/10	12:16	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61109-2L	Ag	-0.09570	0.25114	-0.44255	512.52612	ug/L	09/18/10	12:21	
61109-2L	Al	8206.58007	8240.31152	8172.84863	0.58128	ug/L	09/18/10	12:21	
61109-2L	2Al	8.20690	8.24092	8.17287	0.58634	mg/L	09/18/10	12:21	
61109-2L	As	-0.72677	-2.54202	1.08847	353.22467	ug/L	09/18/10	12:21	
61109-2L	B	4.42167	3.88286	4.96049	17.23322	ug/L	09/18/10	12:21	
61109-2L	Ba	24.03710	24.09390	23.98029	0.33421	ug/L	09/18/10	12:21	
61109-2L	Be	0.66148	0.65817	0.66479	0.70762	ug/L	09/18/10	12:21	
61109-2L	Ca	4708.90625	4723.50634	4694.30664	0.43847	ug/L	09/18/10	12:21	
61109-2L	Cd	2.64562	2.72089	2.57035	4.02343	ug/L	09/18/10	12:21	
61109-2L	Co	5.07764	4.86167	5.29362	6.01530	ug/L	09/18/10	12:21	
61109-2L	Cr	13.36488	13.61255	13.11721	2.62071	ug/L	09/18/10	12:21	
61109-2L	Cu	12.73693	12.72455	12.74930	0.13738	ug/L	09/18/10	12:21	
61109-2L	Fe	15946.48828	16000.46679	15892.50878	0.47871	ug/L	09/18/10	12:21	
61109-2L	2Fe	15.94480	15.99928	15.89032	0.48320	mg/L	09/18/10	12:21	
61109-2L	K	586.15362	580.77075	591.53649	1.29872	ug/L	09/18/10	12:21	
61109-2L	Mg	4267.55664	4279.73388	4255.37988	0.40353	ug/L	09/18/10	12:21	
61109-2L	2Mg	4.26365	4.27582	4.25149	0.40347	mg/L	09/18/10	12:21	
61109-2L	Mn	237.34939	238.08786	236.61094	0.43999	ug/L	09/18/10	12:21	
61109-2L	Mo	-0.41191	0.70586	-1.52969	383.76101	ug/L	09/18/10	12:21	
61109-2L	Na	-232.28802	-348.16943	-116.40660	70.55080	ug/L	09/18/10	12:21	
61109-2L	Ni	9.84345	10.86808	8.81881	14.72097	ug/L	09/18/10	12:21	
61109-2L	Pb	14.81041	15.07410	14.54673	2.51788	ug/L	09/18/10	12:21	
61109-2L	Se	2.69603	2.47001	2.92205	11.85607	ug/L	09/18/10	12:21	
61109-2L	Sb	-0.16186	-2.28257	1.95884	1852.89855	ug/L	09/18/10	12:21	
61109-2L	Sn	2.91566	3.83032	2.00100	44.36455	ug/L	09/18/10	12:21	
61109-2L	Sr	59.44333	59.61258	59.27408	0.40265	ug/L	09/18/10	12:21	
61109-2L	Ti	733.48767	736.64318	730.33221	0.60839	ug/L	09/18/10	12:21	
61109-2L	Tl	4.21293	0.83645	7.58942	113.34302	ug/L	09/18/10	12:21	
61109-2L	V	24.71716	24.19089	25.24343	3.01111	ug/L	09/18/10	12:21	
61109-2L	Zn	226.36672	226.80488	225.92855	0.27374	ug/L	09/18/10	12:21	
61109-2L	2203/1	15.85596	17.28330	14.42863	12.73058	ug/L	09/18/10	12:21	
61109-2L	2203/2	14.28842	13.97115	14.60569	3.14018	ug/L	09/18/10	12:21	
61109-2L	1960/1	-0.53922	-1.51851	0.44006	256.83645	ug/L	09/18/10	12:21	
61109-2L	1960/2	4.31124	4.46128	4.16119	4.92200	ug/L	09/18/10	12:21	
61109-2L	Y	1022.23059	1022.78930	1021.67187	0.07729		09/18/10	12:21	
61109-2A	Ag	47.97132	47.51160	48.43104	1.35527	ug/L	09/18/10	12:26	
61109-2A	Al	41913.94140	41910.66015	41917.22265	0.01107	ug/L	09/18/10	12:26	
61109-2A	2Al	41.91606	41.91136	41.92077	0.01587	mg/L	09/18/10	12:26	
61109-2A	As	1946.11914	1938.52917	1953.70910	0.55155	ug/L	09/18/10	12:26	
61109-2A	B	997.59423	993.73846	1001.45007	0.54660	ug/L	09/18/10	12:26	
61109-2A	Ba	2111.16064	2105.52246	2116.79882	0.37768	ug/L	09/18/10	12:26	
61109-2A	Be	51.84889	51.62796	52.06983	0.60260	ug/L	09/18/10	12:26	
61109-2A	Ca	27688.91796	27621.70703	27756.12695	0.34327	ug/L	09/18/10	12:26	
61109-2A	Cd	62.51810	62.13978	62.89641	0.85578	ug/L	09/18/10	12:26	
61109-2A	Co	506.79052	504.76632	508.81472	0.56485	ug/L	09/18/10	12:26	
61109-2A	Cr	259.92633	258.79656	261.05606	0.61467	ug/L	09/18/10	12:26	
61109-2A	Cu	310.41217	309.49783	311.32653	0.41657	ug/L	09/18/10	12:26	
61109-2A	Fe	77858.73437	77710.29687	78007.16406	0.26961	ug/L	09/18/10	12:26	
61109-2A	2Fe	77.84973	77.69884	78.00061	0.27409	mg/L	09/18/10	12:26	
61109-2A	K	7928.94628	7913.62792	7944.26513	0.27322	ug/L	09/18/10	12:26	
61109-2A	Mg	25596.79296	25544.05468	25649.53125	0.29137	ug/L	09/18/10	12:26	
61109-2A	2Mg	25.57662	25.52392	25.62932	0.29138	mg/L	09/18/10	12:26	
61109-2A	Mn	1630.71801	1627.09533	1634.34082	0.31417	ug/L	09/18/10	12:26	
61109-2A	Mo	487.52056	488.26196	486.77920	0.21506	ug/L	09/18/10	12:26	
61109-2A	Na	4776.44140	4756.40185	4796.48144	0.59334	ug/L	09/18/10	12:26	
61109-2A	Ni	526.26489	525.33337	527.19647	0.25033	ug/L	09/18/10	12:26	
61109-2A	Pb	554.11267	551.95501	556.27032	0.55067	ug/L	09/18/10	12:26	
61109-2A	Se	1945.85888	1942.63745	1949.08032	0.23412	ug/L	09/18/10	12:26	
61109-2A	Sb	470.54779	466.06909	475.02651	1.34606	ug/L	09/18/10	12:26	
61109-2A	Sn	1004.08276	1002.46948	1005.69610	0.22722	ug/L	09/18/10	12:26	
61109-2A	Sr	803.18768	802.46978	803.90557	0.12640	ug/L	09/18/10	12:26	
61109-2A	Ti	4537.16894	4527.53613	4546.80126	0.30024	ug/L	09/18/10	12:26	
61109-2A	Tl	1995.61376	1983.71777	2007.50976	0.84302	ug/L	09/18/10	12:26	
61109-2A	V	593.75396	591.60644	595.90148	0.51150	ug/L	09/18/10	12:26	
61109-2A	Zn	1558.42980	1554.66662	1562.19299	0.34149	ug/L	09/18/10	12:26	
61109-2A	2203/1	558.86926	555.03979	562.69879	0.96905	ug/L	09/18/10	12:26	
61109-2A	2203/2	551.73791	550.41497	553.06091	0.33910	ug/L	09/18/10	12:26	
61109-2A	1960/1	1934.20104	1935.51403	1932.88806	0.09600	ug/L	09/18/10	12:26	
61109-2A	1960/2	1951.67907	1946.19384	1957.16430	0.39746	ug/L	09/18/10	12:26	
61109-2A	Y	1044.05566	1047.15478	1040.95642	0.41979		09/18/10	12:26	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61109-2S	Ag	48.72998	48.33280	49.12715	1.15266	ug/L	09/18/10	12:31	
61109-2S	Al	37568.84375	37385.38671	37752.29687	0.69058	ug/L	09/18/10	12:31	
61109-2S	2Al	37.57234	37.38867	37.75601	0.69132	mg/L	09/18/10	12:31	
61109-2S	As	1955.17309	1946.46008	1963.88610	0.63022	ug/L	09/18/10	12:31	
61109-2S	B	1009.25921	1003.77935	1014.73907	0.76785	ug/L	09/18/10	12:31	
61109-2S	Ba	2143.33886	2133.45410	2153.22338	0.65220	ug/L	09/18/10	12:31	
61109-2S	Be	52.72574	52.52254	52.92893	0.54501	ug/L	09/18/10	12:31	
61109-2S	Ca	29644.64843	29524.04492	29765.25390	0.57535	ug/L	09/18/10	12:31	
61109-2S	Cd	64.01074	63.72785	64.29364	0.62501	ug/L	09/18/10	12:31	
61109-2S	Co	505.78961	503.42578	508.15341	0.66093	ug/L	09/18/10	12:31	
61109-2S	Cr	245.74288	244.76477	246.72102	0.56289	ug/L	09/18/10	12:31	
61109-2S	Cu	309.47457	308.32736	310.62179	0.52424	ug/L	09/18/10	12:31	
61109-2S	Fe	64240.50781	63930.62109	64550.39453	0.68219	ug/L	09/18/10	12:31	
61109-2S	2Fe	64.23596	63.92610	64.54583	0.68219	mg/L	09/18/10	12:31	
61109-2S	K	7314.48291	7293.94384	7335.02197	0.39711	ug/L	09/18/10	12:31	
61109-2S	Mg	18323.12109	18232.52148	18413.72070	0.69926	ug/L	09/18/10	12:31	
61109-2S	2Mg	18.30731	18.21679	18.39783	0.69927	mg/L	09/18/10	12:31	
61109-2S	Mn	1444.09375	1436.99621	1451.19128	0.69506	ug/L	09/18/10	12:31	
61109-2S	Mo	497.64913	495.14990	500.14837	0.71023	ug/L	09/18/10	12:31	
61109-2S	Na	4674.36962	4761.35107	4587.38818	2.63159	ug/L	09/18/10	12:31	
61109-2S	Ni	520.18267	517.84667	522.51867	0.63508	ug/L	09/18/10	12:31	
61109-2S	Pb	558.34912	553.62731	563.07098	1.19596	ug/L	09/18/10	12:31	
61109-2S	Se	1946.24987	1938.30603	1954.19372	0.57722	ug/L	09/18/10	12:31	
61109-2S	Sb	470.87988	473.15267	468.60708	0.68259	ug/L	09/18/10	12:31	
61109-2S	Sn	991.37280	988.68969	994.05584	0.38274	ug/L	09/18/10	12:31	
61109-2S	Sr	933.32019	929.70379	936.93664	0.54797	ug/L	09/18/10	12:31	
61109-2S	Ti	3877.13330	3858.68164	3895.58496	0.67303	ug/L	09/18/10	12:31	
61109-2S	Tl	2017.46166	2010.59814	2024.32531	0.48112	ug/L	09/18/10	12:31	
61109-2S	V	566.52673	564.25762	568.79583	0.56643	ug/L	09/18/10	12:31	
61109-2S	Zn	1431.56250	1423.69653	1439.42834	0.77705	ug/L	09/18/10	12:31	
61109-2S	2203/1	559.62292	557.80102	561.44488	0.46041	ug/L	09/18/10	12:31	
61109-2S	2203/2	557.71319	551.54357	563.88281	1.56445	ug/L	09/18/10	12:31	
61109-2S	1960/1	1929.87683	1911.18457	1948.56909	1.36976	ug/L	09/18/10	12:31	
61109-2S	1960/2	1954.42407	1951.84631	1957.00170	0.18652	ug/L	09/18/10	12:31	
61109-2S	Y	1014.28198	1016.72198	1011.84191	0.34021		09/18/10	12:31	
61109-2SD	Ag	51.55635	51.96046	51.15224	1.10850	ug/L	09/18/10	12:37	
61109-2SD	Al	50450.19531	50508.52343	50391.87109	0.16349	ug/L	09/18/10	12:37	
61109-2SD	2Al	50.45016	50.50809	50.39222	0.16241	mg/L	09/18/10	12:37	
61109-2SD	As	2078.19897	2077.03149	2079.36645	0.07944	ug/L	09/18/10	12:37	
61109-2SD	B	1078.58081	1078.71057	1078.45104	0.01701	ug/L	09/18/10	12:37	
61109-2SD	Ba	2280.10937	2282.97631	2277.24218	0.17782	ug/L	09/18/10	12:37	
61109-2SD	Be	55.67585	55.65357	55.69814	0.05661	ug/L	09/18/10	12:37	
61109-2SD	Ca	35116.01171	35131.60156	35100.42187	0.06278	ug/L	09/18/10	12:37	
61109-2SD	Cd	76.47074	76.47711	76.46436	0.01179	ug/L	09/18/10	12:37	
61109-2SD	Co	546.43341	547.59051	545.27630	0.29946	ug/L	09/18/10	12:37	
61109-2SD	Cr	280.51580	280.98754	280.04406	0.23782	ug/L	09/18/10	12:37	
61109-2SD	Cu	344.02960	344.34930	343.70986	0.13142	ug/L	09/18/10	12:37	
61109-2SD	Fe	86877.35937	86929.77343	86824.94531	0.08532	ug/L	09/18/10	12:37	
61109-2SD	2Fe	86.86315	86.91455	86.81175	0.08368	mg/L	09/18/10	12:37	
61109-2SD	K	8709.22265	8713.29296	8705.15136	0.06610	ug/L	09/18/10	12:37	
61109-2SD	Mg	25957.42968	25970.60156	25944.25976	0.07175	ug/L	09/18/10	12:37	
61109-2SD	2Mg	25.93440	25.94625	25.92254	0.06464	mg/L	09/18/10	12:37	
61109-2SD	Mn	1915.80419	1916.88391	1914.72460	0.07969	ug/L	09/18/10	12:37	
61109-2SD	Mo	526.79748	525.43273	528.16229	0.36638	ug/L	09/18/10	12:37	
61109-2SD	Na	5111.85498	5280.84228	4942.86767	4.67509	ug/L	09/18/10	12:37	
61109-2SD	Ni	565.53686	566.35968	564.71411	0.20575	ug/L	09/18/10	12:37	
61109-2SD	Pb	611.14807	613.18670	609.10937	0.47175	ug/L	09/18/10	12:37	
61109-2SD	Se	2082.85253	2086.90893	2078.79638	0.27541	ug/L	09/18/10	12:37	
61109-2SD	Sb	490.83590	491.69909	489.97271	0.24870	ug/L	09/18/10	12:37	
61109-2SD	Sn	1061.08618	1065.48828	1056.68395	0.58671	ug/L	09/18/10	12:37	
61109-2SD	Sr	944.29223	942.94622	945.63818	0.20157	ug/L	09/18/10	12:37	
61109-2SD	Ti	4277.06298	4281.35156	4272.77441	0.14180	ug/L	09/18/10	12:37	
61109-2SD	Tl	2140.61425	2141.05053	2140.17797	0.02882	ug/L	09/18/10	12:37	
61109-2SD	V	629.83715	630.19720	629.47711	0.08084	ug/L	09/18/10	12:37	
61109-2SD	Zn	1843.19921	1844.09667	1842.30187	0.06885	ug/L	09/18/10	12:37	
61109-2SD	2203/1	617.46240	619.46044	615.46435	0.45762	ug/L	09/18/10	12:37	
61109-2SD	2203/2	607.99560	610.05456	605.93664	0.47891	ug/L	09/18/10	12:37	
61109-2SD	1960/1	2059.43554	2068.65502	2050.21606	0.63310	ug/L	09/18/10	12:37	
61109-2SD	1960/2	2094.54345	2096.02221	2093.06494	0.09983	ug/L	09/18/10	12:37	
61109-2SD	Y	1033.36572	1031.23120	1035.50024	0.29212		09/18/10	12:37	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61109-3	Ag	-0.18518	-0.61415	0.24378	327.58822	ug/L	09/18/10	12:42	
61109-3	Al	31957.63671	31908.56250	32006.70898	0.21716	ug/L	09/18/10	12:42	
61109-3	2Al	31.95783	31.90886	32.00681	0.21673	mg/L	09/18/10	12:42	
61109-3	As	5.72427	5.00286	6.44568	17.82280	ug/L	09/18/10	12:42	
61109-3	B	12.97238	14.14321	11.80155	12.76409	ug/L	09/18/10	12:42	
61109-3	Ba	120.45277	120.10600	120.79955	0.40714	ug/L	09/18/10	12:42	
61109-3	Be	3.91993	3.92688	3.91298	0.25062	ug/L	09/18/10	12:42	
61109-3	Ca	9927.15332	9918.72363	9935.58300	0.12008	ug/L	09/18/10	12:42	
61109-3	Cd	2.50694	2.69900	2.31487	10.83467	ug/L	09/18/10	12:42	
61109-3	Co	18.32433	18.45558	18.19307	1.01297	ug/L	09/18/10	12:42	
61109-3	Cr	34.83882	35.00643	34.67120	0.68038	ug/L	09/18/10	12:42	
61109-3	Cu	38.29049	38.41011	38.17088	0.44177	ug/L	09/18/10	12:42	
61109-3	Fe	62745.45312	62638.11328	62852.79296	0.24193	ug/L	09/18/10	12:42	
61109-3	2Fe	62.73538	62.62856	62.84220	0.24080	mg/L	09/18/10	12:42	
61109-3	K	3355.00634	3345.44458	3364.56787	0.40304	ug/L	09/18/10	12:42	
61109-3	Mg	11469.67187	11460.42773	11478.91601	0.11398	ug/L	09/18/10	12:42	
61109-3	2Mg	11.45585	11.44663	11.46507	0.11385	mg/L	09/18/10	12:42	
61109-3	Mn	993.87750	992.82226	994.93273	0.15015	ug/L	09/18/10	12:42	
61109-3	Mo	5.02357	5.11192	4.93522	2.48715	ug/L	09/18/10	12:42	
61109-3	Na	-150.47599	-126.96141	-173.99058	22.09963	ug/L	09/18/10	12:42	
61109-3	Ni	23.41767	22.88455	23.95079	3.21956	ug/L	09/18/10	12:42	
61109-3	Pb	113.53750	113.28581	113.78920	0.31351	ug/L	09/18/10	12:42	
61109-3	Se	5.90248	5.79859	6.00638	2.48928	ug/L	09/18/10	12:42	
61109-3	Sb	-1.36925	-1.80760	-0.93091	45.27378	ug/L	09/18/10	12:42	
61109-3	Sn	17.74575	18.41815	17.07334	5.35860	ug/L	09/18/10	12:42	
61109-3	Sr	122.46994	122.27920	122.66069	0.22025	ug/L	09/18/10	12:42	
61109-3	Ti	2786.48901	2782.60595	2790.37207	0.19707	ug/L	09/18/10	12:42	
61109-3	Tl	4.33035	7.40610	1.25460	100.44821	ug/L	09/18/10	12:42	
61109-3	V	72.04344	71.69544	72.39144	0.68312	ug/L	09/18/10	12:42	
61109-3	Zn	213.09173	213.08963	213.09384	0.00139	ug/L	09/18/10	12:42	
61109-3	2203/1	116.96786	117.34996	116.58575	0.46199	ug/L	09/18/10	12:42	
61109-3	2203/2	111.82490	111.25678	112.39302	0.71848	ug/L	09/18/10	12:42	
61109-3	1960/1	0.88819	-3.65040	5.42679	722.65051	ug/L	09/18/10	12:42	
61109-3	1960/2	8.40587	10.51600	6.29574	35.50109	ug/L	09/18/10	12:42	
61109-3	Y	1046.51745	1049.47692	1043.55798	0.39992		09/18/10	12:42	
61109-4	Ag	-0.50593	-0.57519	-0.43667	19.35969	ug/L	09/18/10	12:47	
61109-4	Al	34292.24218	34381.23046	34203.25781	0.36697	ug/L	09/18/10	12:47	
61109-4	2Al	34.29456	34.38365	34.20547	0.36737	mg/L	09/18/10	12:47	
61109-4	As	16.46697	18.27161	14.66232	15.49866	ug/L	09/18/10	12:47	
61109-4	B	14.31949	14.29841	14.34056	0.20818	ug/L	09/18/10	12:47	
61109-4	Ba	158.81283	159.01788	158.60778	0.18259	ug/L	09/18/10	12:47	
61109-4	Be	5.19814	5.20270	5.19358	0.12398	ug/L	09/18/10	12:47	
61109-4	Ca	9625.50585	9658.01855	9592.99218	0.47769	ug/L	09/18/10	12:47	
61109-4	Cd	5.02358	5.15251	4.89466	3.62941	ug/L	09/18/10	12:47	
61109-4	Co	44.73697	44.66509	44.80886	0.22723	ug/L	09/18/10	12:47	
61109-4	Cr	39.69129	40.12993	39.25265	1.56288	ug/L	09/18/10	12:47	
61109-4	Cu	44.83838	45.20567	44.47109	1.15844	ug/L	09/18/10	12:47	
61109-4	Fe	140288.03125	140826.76562	139749.29687	0.54308	ug/L	09/18/10	12:47	
61109-4	2Fe	140.27319	140.81237	139.73400	0.54359	mg/L	09/18/10	12:47	
61109-4	K	4003.18554	4016.00537	3990.36547	0.45289	ug/L	09/18/10	12:47	
61109-4	Mg	12588.09570	12625.27050	12550.92089	0.41764	ug/L	09/18/10	12:47	
61109-4	2Mg	12.56035	12.59743	12.52328	0.41739	mg/L	09/18/10	12:47	
61109-4	Mn	1056.72277	1060.28723	1053.15832	0.47703	ug/L	09/18/10	12:47	
61109-4	Mo	7.46891	6.35201	8.58581	21.14815	ug/L	09/18/10	12:47	
61109-4	Na	-131.38624	-208.03356	-54.73891	82.50155	ug/L	09/18/10	12:47	
61109-4	Ni	51.46778	52.19675	50.73881	2.00303	ug/L	09/18/10	12:47	
61109-4	Pb	108.87159	108.71192	109.03127	0.20740	ug/L	09/18/10	12:47	
61109-4	Se	3.52993	-1.36559	8.42546	196.13179	ug/L	09/18/10	12:47	
61109-4	Sb	1.60921	0.84159	2.37682	67.45982	ug/L	09/18/10	12:47	
61109-4	Sn	15.62087	15.91284	15.32890	2.64333	ug/L	09/18/10	12:47	
61109-4	Sr	109.19784	109.49911	108.89657	0.39017	ug/L	09/18/10	12:47	
61109-4	Ti	3073.77294	3086.19482	3061.35107	0.57151	ug/L	09/18/10	12:47	
61109-4	Tl	3.73366	3.92146	3.54585	7.11363	ug/L	09/18/10	12:47	
61109-4	V	82.98452	83.06494	82.90412	0.13703	ug/L	09/18/10	12:47	
61109-4	Zn	301.74063	303.42465	300.05661	0.78927	ug/L	09/18/10	12:47	
61109-4	2203/1	115.67936	115.17523	116.18350	0.61631	ug/L	09/18/10	12:47	
61109-4	2203/2	105.47282	105.48512	105.46052	0.01649	ug/L	09/18/10	12:47	
61109-4	1960/1	-2.28969	-6.96062	2.38123	288.49694	ug/L	09/18/10	12:47	
61109-4	1960/2	6.43538	1.42772	11.44304	110.04621	ug/L	09/18/10	12:47	
61109-4	Y	1038.02758	1035.50024	1040.55493	0.34432		09/18/10	12:47	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	477.91436	479.53070	476.29806	0.47829	ug/L	09/18/10	12:52	
CCV	Al	4753.34960	4766.10595	4740.59326	0.37952	ug/L	09/18/10	12:52	
CCV	2Al	4.75348	4.76615	4.74082	0.37669	mg/L	09/18/10	12:52	
CCV	As	483.36135	483.86846	482.85424	0.14836	ug/L	09/18/10	12:52	
CCV	B	4840.30859	4859.53125	4821.08593	0.56163	ug/L	09/18/10	12:52	
CCV	Ba	4873.95751	4895.94091	4851.97412	0.63786	ug/L	09/18/10	12:52	
CCV	Be	484.36221	486.36669	482.35772	0.58525	ug/L	09/18/10	12:52	
CCV	Ca	4824.41943	4840.13867	4808.70019	0.46078	ug/L	09/18/10	12:52	
CCV	Cd	486.50122	488.81494	484.18753	0.67257	ug/L	09/18/10	12:52	
CCV	Co	477.76431	479.41912	476.10949	0.48983	ug/L	09/18/10	12:52	
CCV	Cr	4840.73291	4860.78515	4820.68066	0.58582	ug/L	09/18/10	12:52	
CCV	Cu	4823.52050	4842.74707	4804.29443	0.56369	ug/L	09/18/10	12:52	
CCV	Fe	4819.50585	4814.56689	4824.44531	0.14493	ug/L	09/18/10	12:52	
CCV	2Fe	4.81975	4.81481	4.82469	0.14484	mg/L	09/18/10	12:52	
CCV	K	9638.61035	9666.40527	9610.81542	0.40781	ug/L	09/18/10	12:52	
CCV	Mg	4815.15283	4828.16210	4802.14355	0.38208	ug/L	09/18/10	12:52	
CCV	2Mg	4.81516	4.82818	4.80215	0.38226	mg/L	09/18/10	12:52	
CCV	Mn	4845.15722	4865.48779	4824.82617	0.59341	ug/L	09/18/10	12:52	
CCV	Mo	486.43838	486.98074	485.89602	0.15767	ug/L	09/18/10	12:52	
CCV	Na	7135.20117	7017.50634	7252.89648	2.33274	ug/L	09/18/10	12:52	
CCV	Ni	2425.87060	2433.70361	2418.03735	0.45664	ug/L	09/18/10	12:52	
CCV	Pb	488.74514	489.56463	487.92565	0.23712	ug/L	09/18/10	12:52	
CCV	Se	4893.23437	4904.95068	4881.51855	0.33861	ug/L	09/18/10	12:52	
CCV	Sb	482.89230	480.95385	484.83074	0.56769	ug/L	09/18/10	12:52	
CCV	Sn	4826.46777	4845.33886	4807.59667	0.55294	ug/L	09/18/10	12:52	
CCV	Sr	2480.34619	2489.18896	2471.50317	0.50419	ug/L	09/18/10	12:52	
CCV	Ti	485.65447	487.57870	483.73025	0.56032	ug/L	09/18/10	12:52	
CCV	Tl	4891.82177	4902.21386	4881.42968	0.30043	ug/L	09/18/10	12:52	
CCV	V	4814.53857	4834.07958	4794.99755	0.57399	ug/L	09/18/10	12:52	
CCV	Zn	2431.28076	2440.14233	2422.41918	0.51545	ug/L	09/18/10	12:52	
CCV	2203/1	481.84109	481.97540	481.70678	0.03941	ug/L	09/18/10	12:52	
CCV	2203/2	492.18774	493.34927	491.02621	0.33374	ug/L	09/18/10	12:52	
CCV	1960/1	4840.18457	4840.61132	4839.75732	0.01247	ug/L	09/18/10	12:52	
CCV	1960/2	4919.71972	4937.07226	4902.36767	0.49880	ug/L	09/18/10	12:52	
CCV	Y	1030.74682	1033.04711	1028.44641	0.31561		09/18/10	12:52	
CCB	Ag	0.18786	-0.16568	0.54140	266.15032	ug/L	09/18/10	12:57	
CCB	Al	5.47102	7.17808	3.76396	44.12609	ug/L	09/18/10	12:57	
CCB	2Al	0.00547	0.00717	0.00376	44.12639	mg/L	09/18/10	12:57	
CCB	As	-3.57653	-5.31095	-1.84211	68.58136	ug/L	09/18/10	12:57	
CCB	B	15.21925	17.77340	12.66510	23.73382	ug/L	09/18/10	12:57	
CCB	Ba	0.57003	-0.06498	1.20505	157.54396	ug/L	09/18/10	12:57	
CCB	Be	0.06943	0.01878	0.12009	103.16657	ug/L	09/18/10	12:57	
CCB	Ca	1.44915	-0.65700	3.55530	205.53758	ug/L	09/18/10	12:57	
CCB	Cd	-0.23142	-0.43701	-0.02583	125.63309	ug/L	09/18/10	12:57	
CCB	Co	-0.51229	-0.33750	-0.68708	48.25152	ug/L	09/18/10	12:57	
CCB	Cr	0.41012	-0.12931	0.94957	186.01052	ug/L	09/18/10	12:57	
CCB	Cu	-0.49704	-1.05089	0.05680	157.58367	ug/L	09/18/10	12:57	
CCB	Fe	11.89558	1.04311	22.74805	129.02026	ug/L	09/18/10	12:57	
CCB	2Fe	0.01189	0.00104	0.02274	129.02058	mg/L	09/18/10	12:57	
CCB	K	-8.54576	-4.90509	-12.18643	60.24837	ug/L	09/18/10	12:57	
CCB	Mg	-1.34736	-1.35052	-1.34420	0.33174	ug/L	09/18/10	12:57	
CCB	2Mg	-0.00134	-0.00135	-0.00134	0.15723	mg/L	09/18/10	12:57	
CCB	Mn	0.73889	0.19717	1.28061	103.68315	ug/L	09/18/10	12:57	
CCB	Mo	-0.95345	-1.20131	-0.70560	36.76241	ug/L	09/18/10	12:57	
CCB	Na	-269.77145	-172.30609	-367.23681	51.09392	ug/L	09/18/10	12:57	
CCB	Ni	0.15981	0.07523	0.24438	74.83985	ug/L	09/18/10	12:57	
CCB	Pb	-1.00692	-1.61970	-0.39414	86.06453	ug/L	09/18/10	12:57	
CCB	Se	1.10069	3.17287	-0.97148	266.24105	ug/L	09/18/10	12:57	
CCB	Sb	-0.92547	-0.49693	-1.35401	65.48542	ug/L	09/18/10	12:57	
CCB	Sn	-1.10277	-0.02302	-2.18252	138.46853	ug/L	09/18/10	12:57	
CCB	Sr	0.33492	0.03955	0.63029	124.72039	ug/L	09/18/10	12:57	
CCB	Ti	0.27964	0.13332	0.42596	73.99562	ug/L	09/18/10	12:57	
CCB	Tl	3.53018	1.52947	5.53088	80.14944	ug/L	09/18/10	12:57	
CCB	V	1.51710	0.79243	2.24177	67.55196	ug/L	09/18/10	12:57	
CCB	Zn	1.14395	0.70589	1.58201	54.15513	ug/L	09/18/10	12:57	
CCB	2203/1	1.69532	-0.79925	4.18990	208.09349	ug/L	09/18/10	12:57	
CCB	2203/2	-2.35601	-2.02931	-2.68272	19.61086	ug/L	09/18/10	12:57	
CCB	1960/1	-4.86042	-2.15039	-7.57045	78.85249	ug/L	09/18/10	12:57	
CCB	1960/2	4.07678	5.83051	2.32305	60.83586	ug/L	09/18/10	12:57	
CCB	Y	1003.81469	1004.87536	1002.75396	0.14943		09/18/10	12:57	

0091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60987-4	Ag	0.81101	0.51527	1.10674	51.56951	ug/L	09/18/10	13:02	
60987-4	Al	115057.96875	114860.06250	115255.86718	0.24324	ug/L	09/18/10	13:02	
60987-4	2Al	115.06681	114.86794	115.26569	0.24442	mg/L	09/18/10	13:02	
60987-4	As	61.73117	63.15498	60.30737	3.26183	ug/L	09/18/10	13:02	
60987-4	B	65.02256	65.97735	64.06777	2.07663	ug/L	09/18/10	13:02	
60987-4	Ba	755.07019	754.13873	756.00170	0.17446	ug/L	09/18/10	13:02	
60987-4	Be	4.99611	4.97782	5.01440	0.51774	ug/L	09/18/10	13:02	
60987-4	Ca	16557.44726	16523.57421	16591.32031	0.28931	ug/L	09/18/10	13:02	
60987-4	Cd	1.46793	1.66143	1.27443	18.64194	ug/L	09/18/10	13:02	
60987-4	Co	80.98570	81.57276	80.39863	1.02516	ug/L	09/18/10	13:02	
60987-4	Cr	187.93997	187.61433	188.26560	0.24503	ug/L	09/18/10	13:02	
60987-4	Cu	1019.20349	1017.67388	1020.73303	0.21223	ug/L	09/18/10	13:02	
60987-4	Fe	243459.25000	243074.82812	243843.65625	0.22329	ug/L	09/18/10	13:02	
60987-4	2Fe	243.43630	243.04995	243.82266	0.22444	mg/L	09/18/10	13:02	
60987-4	K	15918.00976	15893.02343	15942.99707	0.22199	ug/L	09/18/10	13:02	
60987-4	Mg	40130.60156	40068.55468	40192.65234	0.21866	ug/L	09/18/10	13:02	
60987-4	2Mg	40.07820	40.01623	40.14017	0.21866	mg/L	09/18/10	13:02	
60987-4	Mn	3799.49853	3793.51000	3805.48681	0.22289	ug/L	09/18/10	13:02	
60987-4	Mo	5.79490	5.13789	6.45192	16.03403	ug/L	09/18/10	13:02	
60987-4	Na	-311.74578	-386.69885	-236.79275	34.00193	ug/L	09/18/10	13:02	
60987-4	Ni	203.16201	203.44908	202.87496	0.19982	ug/L	09/18/10	13:02	
60987-4	Pb	3329.94873	3317.09423	3342.80322	0.54592	ug/L	09/18/10	13:02	
60987-4	Se	9.51605	8.61178	10.42032	13.43865	ug/L	09/18/10	13:02	
60987-4	Sb	167.70707	166.60397	168.81018	0.93020	ug/L	09/18/10	13:02	
60987-4	Sn	147.92333	146.80995	149.03672	1.06444	ug/L	09/18/10	13:02	
60987-4	Sr	155.68327	155.30174	156.06480	0.34657	ug/L	09/18/10	13:02	
60987-4	Ti	7436.75292	7423.29589	7450.20996	0.25590	ug/L	09/18/10	13:02	
60987-4	Tl	10.10169	8.14865	12.05472	27.34202	ug/L	09/18/10	13:02	
60987-4	V	262.39581	261.63983	263.15179	0.40744	ug/L	09/18/10	13:02	
60987-4	Zn	1284.66650	1282.65222	1286.68078	0.22174	ug/L	09/18/10	13:02	
60987-4	2203/1	3322.26855	3308.74243	3335.79467	0.57577	ug/L	09/18/10	13:02	
60987-4	2203/2	3333.78271	3321.26367	3346.30200	0.53107	ug/L	09/18/10	13:02	
60987-4	1960/1	7.46198	10.09694	4.82703	49.93823	ug/L	09/18/10	13:02	
60987-4	1960/2	10.54155	7.87032	13.21278	35.83614	ug/L	09/18/10	13:02	
60987-4	Y	1042.88146	1044.09057	1041.67236	0.16396		09/18/10	13:02	
60987-5	Ag	0.27195	0.11116	0.43274	83.61297	ug/L	09/18/10	13:07	
60987-5	Al	113996.97656	114214.73437	113779.21875	0.27014	ug/L	09/18/10	13:07	
60987-5	2Al	113.99961	114.21865	113.78057	0.27172	mg/L	09/18/10	13:07	
60987-5	As	40.40359	41.06657	39.74061	2.32057	ug/L	09/18/10	13:07	
60987-5	B	273.40313	274.28540	272.52084	0.45637	ug/L	09/18/10	13:07	
60987-5	Ba	615.40307	616.84478	613.96136	0.33130	ug/L	09/18/10	13:07	
60987-5	Be	4.66374	4.65094	4.67654	0.38806	ug/L	09/18/10	13:07	
60987-5	Ca	16205.32812	16232.18359	16178.47167	0.23436	ug/L	09/18/10	13:07	
60987-5	Cd	0.60578	0.43792	0.77363	39.18548	ug/L	09/18/10	13:07	
60987-5	Co	76.76237	77.23310	76.29164	0.86724	ug/L	09/18/10	13:07	
60987-5	Cr	191.17872	191.56719	190.79025	0.28736	ug/L	09/18/10	13:07	
60987-5	Cu	658.73522	660.76184	656.70867	0.43507	ug/L	09/18/10	13:07	
60987-5	Fe	220185.68750	220702.84375	219668.53125	0.33216	ug/L	09/18/10	13:07	
60987-5	2Fe	220.15336	220.67250	219.63423	0.33347	mg/L	09/18/10	13:07	
60987-5	K	15144.11914	15161.70214	15126.53613	0.16419	ug/L	09/18/10	13:07	
60987-5	Mg	40840.36718	40938.98828	40741.74218	0.34151	ug/L	09/18/10	13:07	
60987-5	2Mg	40.78907	40.88757	40.69056	0.34153	mg/L	09/18/10	13:07	
60987-5	Mn	3421.08740	3428.38842	3413.78613	0.30181	ug/L	09/18/10	13:07	
60987-5	Mo	4.90103	4.58937	5.21268	8.99297	ug/L	09/18/10	13:07	
60987-5	Na	-208.52479	-215.62669	-201.42289	4.81650	ug/L	09/18/10	13:07	
60987-5	Ni	197.63082	198.62245	196.63922	0.70958	ug/L	09/18/10	13:07	
60987-5	Pb	2112.46923	2119.39062	2105.54809	0.46335	ug/L	09/18/10	13:07	
60987-5	Se	8.54192	8.65946	8.42438	1.94595	ug/L	09/18/10	13:07	
60987-5	Sb	89.45978	88.96909	89.95047	0.77570	ug/L	09/18/10	13:07	
60987-5	Sn	86.95989	89.07837	84.84141	3.44524	ug/L	09/18/10	13:07	
60987-5	Sr	144.90426	144.81399	144.99455	0.08810	ug/L	09/18/10	13:07	
60987-5	Ti	7332.77636	7346.97656	7318.57666	0.27386	ug/L	09/18/10	13:07	
60987-5	Tl	4.46117	6.13983	2.78250	53.21453	ug/L	09/18/10	13:07	
60987-5	V	261.55371	262.11752	260.98986	0.30485	ug/L	09/18/10	13:07	
60987-5	Zn	937.50274	939.88964	935.11584	0.36006	ug/L	09/18/10	13:07	
60987-5	2203/1	2111.09472	2108.98803	2113.20141	0.14112	ug/L	09/18/10	13:07	
60987-5	2203/2	2113.15576	2124.58398	2101.72729	0.76483	ug/L	09/18/10	13:07	
60987-5	1960/1	-0.39459	-4.51111	3.72193	1475.35546	ug/L	09/18/10	13:07	
60987-5	1960/2	13.00348	15.23488	10.77209	24.26786	ug/L	09/18/10	13:07	
60987-5	Y	1028.74316	1028.60351	1028.88281	0.01919		09/18/10	13:07	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60987-6	Ag	0.52118	1.16101	-0.11863	173.61367	ug/L	09/18/10	13:13	
60987-6	Al	112102.65625	112024.62500	112180.69531	0.09844	ug/L	09/18/10	13:13	
60987-6	2Al	112.10955	112.03353	112.18556	0.09589	mg/L	09/18/10	13:13	
60987-6	As	50.99437	50.27499	51.71375	1.99504	ug/L	09/18/10	13:13	
60987-6	B	42.75997	43.38522	42.13473	2.06789	ug/L	09/18/10	13:13	
60987-6	Ba	637.41058	637.73748	637.08367	0.07252	ug/L	09/18/10	13:13	
60987-6	Be	4.73912	4.74748	4.73076	0.24952	ug/L	09/18/10	13:13	
60987-6	Ca	13942.31054	13947.72753	13936.89355	0.05494	ug/L	09/18/10	13:13	
60987-6	Cd	0.38654	0.13522	0.63787	91.94777	ug/L	09/18/10	13:13	
60987-6	Co	75.89255	75.93872	75.84638	0.08602	ug/L	09/18/10	13:13	
60987-6	Cr	184.57846	184.85940	184.29753	0.21525	ug/L	09/18/10	13:13	
60987-6	Cu	934.81054	935.35266	934.26837	0.08201	ug/L	09/18/10	13:13	
60987-6	Fe	221158.09375	221161.23437	221154.93750	0.00201	ug/L	09/18/10	13:13	
60987-6	2Fe	221.13375	221.14093	221.12657	0.00459	mg/L	09/18/10	13:13	
60987-6	K	15641.97460	15648.55664	15635.39355	0.05950	ug/L	09/18/10	13:13	
60987-6	Mg	39012.60937	39013.15625	39012.06250	0.00198	ug/L	09/18/10	13:13	
60987-6	2Mg	38.96427	38.96481	38.96372	0.00198	mg/L	09/18/10	13:13	
60987-6	Mn	3400.92431	3401.54125	3400.30761	0.02564	ug/L	09/18/10	13:13	
60987-6	Mo	4.64023	5.53018	3.75029	27.12300	ug/L	09/18/10	13:13	
60987-6	Na	-149.87490	-242.38539	-57.36441	87.29252	ug/L	09/18/10	13:13	
60987-6	Ni	193.29141	193.27532	193.30751	0.01177	ug/L	09/18/10	13:13	
60987-6	Pb	3192.20019	3186.41040	3197.98999	0.25650	ug/L	09/18/10	13:13	
60987-6	Se	6.10627	6.47961	5.73293	8.64658	ug/L	09/18/10	13:13	
60987-6	Sb	189.56141	187.53895	191.58387	1.50884	ug/L	09/18/10	13:13	
60987-6	Sn	119.21360	119.74800	118.67920	0.63394	ug/L	09/18/10	13:13	
60987-6	Sr	140.68673	141.00521	140.36825	0.32014	ug/L	09/18/10	13:13	
60987-6	Ti	7417.43164	7419.89990	7414.96386	0.04705	ug/L	09/18/10	13:13	
60987-6	Tl	12.49311	9.03664	15.94959	39.12710	ug/L	09/18/10	13:13	
60987-6	V	249.45863	249.02406	249.89320	0.24636	ug/L	09/18/10	13:13	
60987-6	Zn	1039.08666	1039.34399	1038.82946	0.03501	ug/L	09/18/10	13:13	
60987-6	2203/1	3167.22558	3157.74487	3176.70605	0.42332	ug/L	09/18/10	13:13	
60987-6	2203/2	3204.66894	3200.72167	3208.61596	0.17418	ug/L	09/18/10	13:13	
60987-6	1960/1	-4.47358	-8.27319	-0.67398	120.11513	ug/L	09/18/10	13:13	
60987-6	1960/2	11.38827	13.84496	8.93159	30.50750	ug/L	09/18/10	13:13	
60987-6	Y	1032.38354	1034.44384	1030.32336	0.28222		09/18/10	13:13	
60987-6S	Ag	48.09860	48.02481	48.17238	0.21695	ug/L	09/18/10	13:18	
60987-6S	Al	118236.89062	118405.92187	118067.85937	0.20217	ug/L	09/18/10	13:18	
60987-6S	2Al	118.24369	118.41506	118.07231	0.20496	mg/L	09/18/10	13:18	
60987-6S	As	1975.05676	1978.47204	1971.64147	0.24454	ug/L	09/18/10	13:18	
60987-6S	B	1025.17968	1024.78967	1025.56958	0.05379	ug/L	09/18/10	13:18	
60987-6S	Ba	2609.91235	2614.32690	2605.49780	0.23920	ug/L	09/18/10	13:18	
60987-6S	Be	53.67332	53.74677	53.59987	0.19353	ug/L	09/18/10	13:18	
60987-6S	Ca	20340.12695	20362.94140	20317.31250	0.15862	ug/L	09/18/10	13:18	
60987-6S	Cd	48.45035	48.32743	48.57328	0.35880	ug/L	09/18/10.	13:18	
60987-6S	Co	553.63507	555.24438	552.02575	0.41108	ug/L	09/18/10	13:18	
60987-6S	Cr	384.86923	385.37768	384.36077	0.18683	ug/L	09/18/10	13:18	
60987-6S	Cu	1115.34057	1118.56408	1112.11706	0.40873	ug/L	09/18/10	13:18	
60987-6S	Fe	225645.29687	226004.10937	225286.48437	0.22488	ug/L	09/18/10	13:18	
60987-6S	2Fe	225.61978	225.98260	225.25697	0.22741	mg/L	09/18/10	13:18	
60987-6S	K	20478.59765	20513.99023	20443.20703	0.24440	ug/L	09/18/10	13:18	
60987-6S	Mg	44630.37500	44701.06250	44559.68750	0.22398	ug/L	09/18/10	13:18	
60987-6S	2Mg	44.57858	44.65050	44.50666	0.22815	mg/L	09/18/10	13:18	
60987-6S	Mn	3915.62500	3921.54028	3909.70971	0.21364	ug/L	09/18/10	13:18	
60987-6S	Mo	491.60427	492.27648	490.93206	0.19337	ug/L	09/18/10	13:18	
60987-6S	Na	4463.79833	4748.78808	4178.80859	9.02900	ug/L	09/18/10	13:18	
60987-6S	Ni	668.01879	669.48394	666.55364	0.31017	ug/L	09/18/10	13:18	
60987-6S	Pb	2974.08862	2968.10205	2980.07519	0.28466	ug/L	09/18/10	13:18	
60987-6S	Se	1954.71789	1948.04284	1961.39294	0.48293	ug/L	09/18/10	13:18	
60987-6S	Sb	580.51367	585.96569	575.06164	1.32819	ug/L	09/18/10	13:18	
60987-6S	Sn	1094.23327	1096.48486	1091.98168	0.29100	ug/L	09/18/10	13:18	
60987-6S	Sr	666.14019	667.38922	664.89117	0.26516	ug/L	09/18/10	13:18	
60987-6S	Ti	8182.94628	8194.15820	8171.73437	0.19376	ug/L	09/18/10	13:18	
60987-6S	Tl	1979.61694	1983.37036	1975.86364	0.26813	ug/L	09/18/10	13:18	
60987-6S	V	727.95867	728.23059	727.68676	0.05282	ug/L	09/18/10	13:18	
60987-6S	Zn	1420.05432	1421.20385	1418.90478	0.11448	ug/L	09/18/10	13:18	
60987-6S	2203/1	2963.08471	2961.52514	2964.64428	0.07443	ug/L	09/18/10	13:18	
60987-6S	2203/2	2979.58227	2971.38549	2987.77905	0.38904	ug/L	09/18/10	13:18	
60987-6S	1960/1	1926.55688	1918.29553	1934.81811	0.60643	ug/L	09/18/10	13:18	
60987-6S	1960/2	1968.77734	1962.89428	1974.66040	0.42259	ug/L	09/18/10	13:18	
60987-6S	Y	1027.54272	1027.15429	1027.93127	0.05346		09/18/10	13:18	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60987-6SD	Ag	50.44019	50.95611	49.92427	1.44650	ug/L	09/18/10	13:23	
60987-6SD	Al	114029.31250	114098.80468	113959.82812	0.08618	ug/L	09/18/10	13:23	
60987-6SD	2Al	114.03608	114.10985	113.96231	0.09148	mg/L	09/18/10	13:23	
60987-6SD	As	2057.16064	2059.52099	2054.80053	0.16225	ug/L	09/18/10	13:23	
60987-6SD	B	1081.18725	1080.00415	1082.37036	0.15475	ug/L	09/18/10	13:23	
60987-6SD	Ba	2795.38623	2793.23193	2797.54077	0.10899	ug/L	09/18/10	13:23	
60987-6SD	Be	56.54219	56.52177	56.56260	0.05105	ug/L	09/18/10	13:23	
60987-6SD	Ca	22719.80078	22722.01171	22717.58984	0.01376	ug/L	09/18/10	13:23	
60987-6SD	Cd	50.78405	50.87748	50.69062	0.26017	ug/L	09/18/10	13:23	
60987-6SD	Co	578.71862	578.78393	578.65325	0.01596	ug/L	09/18/10	13:23	
60987-6SD	Cr	388.86071	388.81591	388.90548	0.01628	ug/L	09/18/10	13:23	
60987-6SD	Cu	1277.31713	1278.01354	1276.62060	0.07711	ug/L	09/18/10	13:23	
60987-6SD	Fe	271440.12500	271527.09375	271353.15625	0.04531	ug/L	09/18/10	13:23	
60987-6SD	2Fe	271.41018	271.50726	271.31311	0.05058	mg/L	09/18/10	13:23	
60987-6SD	K	20223.52734	20222.38085	20224.67382	0.00801	ug/L	09/18/10	13:23	
60987-6SD	Mg	43885.44531	43923.52343	43847.37109	0.12270	ug/L	09/18/10	13:23	
60987-6SD	2Mg	43.82594	43.86530	43.78657	0.12702	mg/L	09/18/10	13:23	
60987-6SD	Mn	4214.64501	4215.86572	4213.42431	0.04096	ug/L	09/18/10	13:23	
60987-6SD	Mo	511.50830	509.81866	513.19793	0.46714	ug/L	09/18/10	13:23	
60987-6SD	Na	4873.98095	4979.16455	4768.79736	3.05196	ug/L	09/18/10	13:23	
60987-6SD	Ni	726.15087	727.64404	724.65777	0.29079	ug/L	09/18/10	13:23	
60987-6SD	Pb	3295.19262	3294.23120	3296.15405	0.04126	ug/L	09/18/10	13:23	
60987-6SD	Se	2003.92395	2007.43798	2000.40991	0.24799	ug/L	09/18/10	13:23	
60987-6SD	Sb	636.38830	636.04876	636.72790	0.07546	ug/L	09/18/10	13:23	
60987-6SD	Sn	1170.50024	1170.60668	1170.39379	0.01286	ug/L	09/18/10	13:23	
60987-6SD	Sr	689.07397	688.35821	689.78979	0.14690	ug/L	09/18/10	13:23	
60987-6SD	Ti	7909.40283	7913.54687	7905.25878	0.07409	ug/L	09/18/10	13:23	
60987-6SD	Tl	2049.96679	2047.07763	2052.85595	0.19931	ug/L	09/18/10	13:23	
60987-6SD	V	747.46264	748.28314	746.64208	0.15524	ug/L	09/18/10	13:23	
60987-6SD	Zn	2128.89990	2129.72460	2128.07519	0.05478	ug/L	09/18/10	13:23	
60987-6SD	2203/1	3288.13769	3281.90307	3294.37231	0.26814	ug/L	09/18/10	13:23	
60987-6SD	2203/2	3298.71484	3300.38598	3297.04345	0.07164	ug/L	09/18/10	13:23	
60987-6SD	1960/1	1977.89184	1977.38916	1978.39440	0.03593	ug/L	09/18/10	13:23	
60987-6SD	1960/2	2016.92053	2022.43994	2011.40112	0.38700	ug/L	09/18/10	13:23	
60987-6SD	Y	1023.43103	1023.74090	1023.12109	0.04282		09/18/10	13:23	
PBS 179451	Ag	0.54413	0.26073	0.82753	73.65663	ug/L	09/18/10	13:28	
PBS 179451	Al	11.18754	9.41127	12.96381	22.45372	ug/L	09/18/10	13:28	
PBS 179451	2Al	0.01118	0.00941	0.01296	22.45371	mg/L	09/18/10	13:28	
PBS 179451	As	-4.60865	-6.80875	-2.40856	67.51216	ug/L	09/18/10	13:28	
PBS 179451	B	5.56741	5.68255	5.45228	2.92457	ug/L	09/18/10	13:28	
PBS 179451	Ba	0.07101	-0.02659	0.16862	194.38662	ug/L	09/18/10	13:28	
PBS 179451	Be	-0.00899	-0.01309	-0.00489	64.44532	ug/L	09/18/10	13:28	
PBS 179451	Ca	15.15944	14.70926	15.60962	4.19971	ug/L	09/18/10	13:28	
PBS 179451	Cd	-0.16963	-0.24116	-0.09810	59.63086	ug/L	09/18/10	13:28	
PBS 179451	Co	-0.45099	-0.51364	-0.38834	19.64447	ug/L	09/18/10	13:28	
PBS 179451	Cr	1.12304	0.99410	1.25198	16.23681	ug/L	09/18/10	13:28	
PBS 179451	Cu	-0.45115	-0.42370	-0.47859	8.60332	ug/L	09/18/10	13:28	
PBS 179451	Fe	31.09327	30.10525	32.08128	4.49377	ug/L	09/18/10	13:28	
PBS 179451	2Fe	0.03109	0.03010	0.03207	4.49383	mg/L	09/18/10	13:28	
PBS 179451	K	17.79585	13.97899	21.61270	30.33204	ug/L	09/18/10	13:28	
PBS 179451	Mg	1.33648	1.33644	1.33652	0.00432	ug/L	09/18/10	13:28	
PBS 179451	2Mg	0.00133	0.00133	0.00133	0.01497	mg/L	09/18/10	13:28	
PBS 179451	Mn	0.39748	0.41510	0.37986	6.26971	ug/L	09/18/10	13:28	
PBS 179451	Mo	-0.17203	0.43569	-0.77975	499.58309	ug/L	09/18/10	13:28	
PBS 179451	Na	32.78616	86.28101	-20.70867	230.74711	ug/L	09/18/10	13:28	
PBS 179451	Ni	2.17846	1.86824	2.48868	20.13881	ug/L	09/18/10	13:28	
PBS 179451	Pb	1.41051	1.80804	1.01298	39.85750	ug/L	09/18/10	13:28	
PBS 179451	Se	3.17636	1.69264	4.66008	66.05974	ug/L	09/18/10	13:28	
PBS 179451	Sb	1.21773	1.51009	0.92537	33.95356	ug/L	09/18/10	13:28	
PBS 179451	Sn	10.67027	8.90401	12.43653	23.40957	ug/L	09/18/10	13:28	
PBS 179451	Sr	-0.01975	-0.00637	-0.03313	95.78892	ug/L	09/18/10	13:28	
PBS 179451	Ti	1.32106	1.83780	0.80431	55.31805	ug/L	09/18/10	13:28	
PBS 179451	Tl	0.49961	-4.08367	5.08291	1297.34252	ug/L	09/18/10	13:28	
PBS 179451	V	-0.02108	0.10291	-0.14508	831.70495	ug/L	09/18/10	13:28	
PBS 179451	Zn	2.76858	2.63505	2.90211	6.82078	ug/L	09/18/10	13:28	
PBS 179451	2203/1	3.72521	2.92971	4.52071	30.19991	ug/L	09/18/10	13:28	
PBS 179451	2203/2	0.25489	1.24805	-0.73825	551.02032	ug/L	09/18/10	13:28	
PBS 179451	1960/1	-0.45771	-1.58725	0.67182	348.99639	ug/L	09/18/10	13:28	
PBS 179451	1960/2	4.99068	3.33013	6.65123	47.05506	ug/L	09/18/10	13:28	
PBS 179451	Y	998.11834	996.93109	999.30560	0.16821		09/18/10	13:28	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSS-1	Ag	51.04907	50.48637	51.61178	1.55887	ug/L	09/18/10	13:33	
LCSS-1	Al	2026.23730	2025.82177	2026.65270	0.02899	ug/L	09/18/10	13:33	
LCSS-1	2Al	2.02633	2.02581	2.02684	0.03598	mg/L	09/18/10	13:33	
LCSS-1	As	2081.19360	2075.52197	2086.86523	0.38539	ug/L	09/18/10	13:33	
LCSS-1	B	1039.36657	1035.70007	1043.03308	0.49888	ug/L	09/18/10	13:33	
LCSS-1	Ba	2113.59228	2113.15209	2114.03247	0.02945	ug/L	09/18/10	13:33	
LCSS-1	Be	52.28987	52.26436	52.31537	0.06897	ug/L	09/18/10	13:33	
LCSS-1	Ca	5119.74414	5114.66162	5124.82617	0.14038	ug/L	09/18/10	13:33	
LCSS-1	Cd	53.35574	53.34071	53.37078	0.03984	ug/L	09/18/10	13:33	
LCSS-1	Co	521.13433	520.11236	522.15631	0.27733	ug/L	09/18/10	13:33	
LCSS-1	Cr	211.50401	211.03413	211.97389	0.31418	ug/L	09/18/10	13:33	
LCSS-1	Cu	260.93923	260.34634	261.53213	0.32133	ug/L	09/18/10	13:33	
LCSS-1	Fe	1045.69946	1052.73657	1038.66247	0.95169	ug/L	09/18/10	13:33	
LCSS-1	2Fe	1.04584	1.05287	1.03880	0.95145	mg/L	09/18/10	13:33	
LCSS-1	K	4854.08593	4847.01367	4861.15869	0.20605	ug/L	09/18/10	13:33	
LCSS-1	Mg	5102.64941	5103.54785	5101.75048	0.02490	ug/L	09/18/10	13:33	
LCSS-1	2Mg	5.10126	5.10216	5.10036	0.02487	mg/L	09/18/10	13:33	
LCSS-1	Mn	527.09240	527.16241	527.02246	0.01877	ug/L	09/18/10	13:33	
LCSS-1	Mo	520.99816	520.01055	521.98577	0.26807	ug/L	09/18/10	13:33	
LCSS-1	Na	4962.56054	5077.26562	4847.85595	3.26881	ug/L	09/18/10	13:33	
LCSS-1	Ni	523.83959	523.74737	523.93188	0.02490	ug/L	09/18/10	13:33	
LCSS-1	Pb	520.84375	520.35217	521.33526	0.13346	ug/L	09/18/10	13:33	
LCSS-1	Se	2105.99877	2110.76879	2101.22875	0.32031	ug/L	09/18/10	13:33	
LCSS-1	Sb	507.40423	504.95376	509.85467	0.68297	ug/L	09/18/10	13:33	
LCSS-1	Sn	1036.18872	1035.95581	1036.42163	0.03178	ug/L	09/18/10	13:33	
LCSS-1	Sr	535.25787	534.72515	535.79058	0.14074	ug/L	09/18/10	13:33	
LCSS-1	Ti	716.14306	716.12072	716.16540	0.00441	ug/L	09/18/10	13:33	
LCSS-1	Tl	2175.72070	2168.88964	2182.55151	0.44400	ug/L	09/18/10	13:33	
LCSS-1	V	513.76977	513.90734	513.63214	0.03787	ug/L	09/18/10	13:33	
LCSS-1	Zn	533.88952	533.59704	534.18200	0.07747	ug/L	09/18/10	13:33	
LCSS-1	2203/1	515.15270	512.91485	517.39056	0.61434	ug/L	09/18/10	13:33	
LCSS-1	2203/2	523.68493	524.06524	523.30468	0.10269	ug/L	09/18/10	13:33	
LCSS-1	1960/1	2075.28906	2082.33154	2068.24682	0.47990	ug/L	09/18/10	13:33	
LCSS-1	1960/2	2121.33007	2124.96557	2117.69433	0.24237	ug/L	09/18/10	13:33	
LCSS-1	Y	992.31286	992.13830	992.48748	0.02488		09/18/10	13:33	
60980-1	Ag	0.24409	0.15345	0.33474	52.51626	ug/L	09/18/10	13:38	
60980-1	Al	262765.75000	262836.81250	262694.71875	0.03823	ug/L	09/18/10	13:38	
60980-1	2Al	262.77832	262.86193	262.69470	0.04500	mg/L	09/18/10	13:38	
60980-1	As	210.13497	208.45828	211.81166	1.12841	ug/L	09/18/10	13:38	
60980-1	B	135.74246	135.73640	135.74853	0.00631	ug/L	09/18/10	13:38	
60980-1	Ba	1272.37402	1273.03417	1271.71374	0.07338	ug/L	09/18/10	13:38	
60980-1	Be	10.25996	10.24792	10.27200	0.16596	ug/L	09/18/10	13:38	
60980-1	Ca	94834.99218	94793.06250	94876.92187	0.06252	ug/L	09/18/10	13:38	
60980-1	Cd	1.43851	1.41140	1.46562	2.66505	ug/L	09/18/10	13:38	
60980-1	Co	85.10724	85.15159	85.06289	0.07369	ug/L	09/18/10	13:38	
60980-1	Cr	243.72494	243.44958	244.00028	0.15977	ug/L	09/18/10	13:38	
60980-1	Cu	116.61846	116.66716	116.56977	0.05905	ug/L	09/18/10	13:38	
60980-1	Fe	181028.96875	181026.89062	181031.06250	0.00162	ug/L	09/18/10	13:38	
60980-1	2Fe	181.00671	181.01354	180.99989	0.00533	mg/L	09/18/10	13:38	
60980-1	K	47570.31250	47582.32421	47558.30078	0.03570	ug/L	09/18/10	13:38	
60980-1	Mg	48581.84375	48542.33203	48621.35937	0.11502	ug/L	09/18/10	13:38	
60980-1	2Mg	48.53872	48.50051	48.57693	0.11133	mg/L	09/18/10	13:38	
60980-1	Mn	8113.88378	8114.86718	8112.90039	0.01714	ug/L	09/18/10	13:38	
60980-1	Mo	3.39875	2.88555	3.91194	21.35411	ug/L	09/18/10	13:38	
60980-1	Na	5019.75585	5006.09912	5033.41259	0.38475	ug/L	09/18/10	13:38	
60980-1	Ni	130.73510	130.70610	130.76412	0.03138	ug/L	09/18/10	13:38	
60980-1	Pb	264.70825	265.04721	264.36932	0.18108	ug/L	09/18/10	13:38	
60980-1	Se	7.64121	6.91076	8.37167	13.51903	ug/L	09/18/10	13:38	
60980-1	Sb	2.54714	-2.24638	7.34066	266.14385	ug/L	09/18/10	13:38	
60980-1	Sn	17.32063	15.69179	18.94946	13.29928	ug/L	09/18/10	13:38	
60980-1	Sr	521.43676	522.63696	520.23651	0.32551	ug/L	09/18/10	13:38	
60980-1	Ti	1760.72290	1761.21093	1760.23474	0.03920	ug/L	09/18/10	13:38	
60980-1	Tl	13.04568	15.71038	10.38098	28.88664	ug/L	09/18/10	13:38	
60980-1	V	336.37908	336.17166	336.58648	0.08720	ug/L	09/18/10	13:38	
60980-1	Zn	573.47021	573.37969	573.56079	0.02232	ug/L	09/18/10	13:38	
60980-1	2203/1	301.63793	305.04443	298.23147	1.59710	ug/L	09/18/10	13:38	
60980-1	2203/2	246.27111	245.07859	247.46362	0.68480	ug/L	09/18/10	13:38	
60980-1	1960/1	0.28246	-2.40253	2.96746	1344.28759	ug/L	09/18/10	13:38	
60980-1	1960/2	11.31507	11.56043	11.06972	3.06654	ug/L	09/18/10	13:38	
60980-1	Y	1042.62390	1042.50170	1042.74609	0.01657		09/18/10	13:38	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-1L	Ag	-0.02496	0.53721	-0.58715	3184.21118	ug/L	09/18/10	13:44	
60980-1L	Al	50925.29687	56262.75000	45587.84765	14.82229	ug/L	09/18/10	13:44	
60980-1L	2Al	50.92617	56.26317	45.58918	14.82075	mg/L	09/18/10	13:44	
60980-1L	As	39.65056	44.01685	35.28427	15.57322	ug/L	09/18/10	13:44	
60980-1L	B	29.16267	31.60362	26.72171	11.83716	ug/L	09/18/10	13:44	
60980-1L	Ba	250.07467	276.40216	223.74717	14.88863	ug/L	09/18/10	13:44	
60980-1L	Be	2.02322	2.23353	1.81292	14.69993	ug/L	09/18/10	13:44	
60980-1L	Ca	18575.44140	20515.92578	16634.95507	14.77359	ug/L	09/18/10	13:44	
60980-1L	Cd	0.01741	0.15431	-0.11948	1111.52185	ug/L	09/18/10	13:44	
60980-1L	Co	16.49554	18.62009	14.37099	18.21442	ug/L	09/18/10	13:44	
60980-1L	Cr	48.68307	54.14949	43.21665	15.87960	ug/L	09/18/10	13:44	
60980-1L	Cu	21.47469	23.70544	19.24395	14.69053	ug/L	09/18/10	13:44	
60980-1L	Fe	36130.12500	39877.22265	32383.02343	14.66698	ug/L	09/18/10	13:44	
60980-1L	2Fe	36.12489	39.87120	32.37858	14.66601	mg/L	09/18/10	13:44	
60980-1L	K	8934.37304	9886.45410	7982.29296	15.07039	ug/L	09/18/10	13:44	
60980-1L	Mg	9668.17187	10670.50585	8665.83691	14.66166	ug/L	09/18/10	13:44	
60980-1L	2Mg	9.65983	10.66130	8.65836	14.66167	mg/L	09/18/10	13:44	
60980-1L	Mn	1625.71057	1794.92407	1456.49707	14.71996	ug/L	09/18/10	13:44	
60980-1L	Mo	-0.66528	-0.91288	-0.41768	52.63267	ug/L	09/18/10	13:44	
60980-1L	Na	746.95288	744.97363	748.93206	0.37472	ug/L	09/18/10	13:44	
60980-1L	Ni	25.46557	28.73869	22.19244	18.17708	ug/L	09/18/10	13:44	
60980-1L	Pb	56.13279	63.98589	48.27970	19.78513	ug/L	09/18/10	13:44	
60980-1L	Se	0.57182	-0.81977	1.96342	344.16531	ug/L	09/18/10	13:44	
60980-1L	Sb	-5.44020	-10.32843	-0.55198	127.07218	ug/L	09/18/10	13:44	
60980-1L	Sn	-1.65114	-3.46360	0.16131	155.23844	ug/L	09/18/10	13:44	
60980-1L	Sr	103.40625	114.22436	92.58815	14.79515	ug/L	09/18/10	13:44	
60980-1L	Ti	347.72735	384.07110	311.38360	14.78106	ug/L	09/18/10	13:44	
60980-1L	Tl	3.72529	3.63498	3.81559	3.42820	ug/L	09/18/10	13:44	
60980-1L	V	64.99241	71.50484	58.47999	14.17082	ug/L	09/18/10	13:44	
60980-1L	Zn	114.72813	126.92275	102.53350	15.03188	ug/L	09/18/10	13:44	
60980-1L	2203/1	53.94712	60.54896	47.34529	17.30658	ug/L	09/18/10	13:44	
60980-1L	2203/2	57.22399	65.70178	48.74621	20.95169	ug/L	09/18/10	13:44	
60980-1L	1960/1	-2.16493	-0.10385	-4.22601	134.63711	ug/L	09/18/10	13:44	
60980-1L	1960/2	1.93815	-1.17720	5.05350	227.31829	ug/L	09/18/10	13:44	
60980-1L	Y	1009.11376	1009.16180	1009.06579	0.00672		09/18/10	13:44	
60980-1A	Ag	46.58563	46.47546	46.69580	0.33445	ug/L	09/18/10	13:49	
60980-1A	Al	260716.96875	260700.79687	260733.14062	0.00877	ug/L	09/18/10	13:49	
60980-1A	2Al	260.73327	260.72244	260.74411	0.00587	mg/L	09/18/10	13:49	
60980-1A	As	2059.08276	2057.01147	2061.15405	0.14225	ug/L	09/18/10	13:49	
60980-1A	B	1089.88818	1092.41735	1087.35900	0.32817	ug/L	09/18/10	13:49	
60980-1A	Ba	3146.34912	3149.05493	3143.64355	0.12161	ug/L	09/18/10	13:49	
60980-1A	Be	56.59793	56.63220	56.56365	0.08563	ug/L	09/18/10	13:49	
60980-1A	Ca	98433.37500	98377.05468	98489.70312	0.08092	ug/L	09/18/10	13:49	
60980-1A	Cd	47.36989	46.73581	48.00398	1.89304	ug/L	09/18/10	13:49	
60980-1A	Co	531.83026	531.87847	531.78204	0.01282	ug/L	09/18/10	13:49	
60980-1A	Cr	423.93243	423.76876	424.09606	0.05459	ug/L	09/18/10	13:49	
60980-1A	Cu	348.95037	349.65927	348.24148	0.28729	ug/L	09/18/10	13:49	
60980-1A	Fe	179321.42187	179422.46875	179220.37500	0.07969	ug/L	09/18/10	13:49	
60980-1A	2Fe	179.30242	179.40742	179.19741	0.08281	mg/L	09/18/10	13:49	
60980-1A	K	52143.66796	52107.01953	52180.31640	0.09939	ug/L	09/18/10	13:49	
60980-1A	Mg	52730.46484	52748.95703	52711.97265	0.04959	ug/L	09/18/10	13:49	
60980-1A	2Mg	52.68663	52.70639	52.66686	0.05304	mg/L	09/18/10	13:49	
60980-1A	Mn	8458.91992	8462.33593	8455.50390	0.05711	ug/L	09/18/10	13:49	
60980-1A	Mo	474.95556	475.43612	474.47500	0.14309	ug/L	09/18/10	13:49	
60980-1A	Na	9900.62304	9809.87500	9991.37207	1.29625	ug/L	09/18/10	13:49	
60980-1A	Ni	577.59936	578.75671	576.44201	0.28336	ug/L	09/18/10	13:49	
60980-1A	Pb	703.54907	703.94488	703.15319	0.07956	ug/L	09/18/10	13:49	
60980-1A	Se	1873.38281	1876.02917	1870.73657	0.19976	ug/L	09/18/10	13:49	
60980-1A	Sb	454.91284	453.64422	456.18145	0.39438	ug/L	09/18/10	13:49	
60980-1A	Sn	985.76660	988.39526	983.13793	0.37711	ug/L	09/18/10	13:49	
60980-1A	Sr	1020.97137	1020.81048	1021.13226	0.02228	ug/L	09/18/10	13:49	
60980-1A	Ti	2677.50439	2678.26171	2676.74707	0.04000	ug/L	09/18/10	13:49	
60980-1A	Tl	1904.45336	1908.60241	1900.30444	0.30809	ug/L	09/18/10	13:49	
60980-1A	V	781.02893	781.39782	780.66009	0.06679	ug/L	09/18/10	13:49	
60980-1A	Zn	1021.38476	1021.97845	1020.79113	0.08219	ug/L	09/18/10	13:49	
60980-1A	2203/1	737.28771	738.14062	736.43481	0.16359	ug/L	09/18/10	13:49	
60980-1A	2203/2	686.70495	686.87268	686.53729	0.03453	ug/L	09/18/10	13:49	
60980-1A	1960/1	1839.16601	1841.38244	1836.94970	0.17042	ug/L	09/18/10	13:49	
60980-1A	1960/2	1890.46557	1893.32666	1887.60461	0.21402	ug/L	09/18/10	13:49	
60980-1A	Y	1039.06201	1036.95812	1041.16601	0.28635		09/18/10	13:49	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	482.21673	485.15994	479.27352	0.86316	ug/L	09/18/10	13:54	
CCV	Al	4758.86523	4775.02148	4742.70947	0.48011	ug/L	09/18/10	13:54	
CCV	2Al	4.75870	4.77485	4.74255	0.48007	mg/L	09/18/10	13:54	
CCV	As	486.78485	491.06588	482.50381	1.24373	ug/L	09/18/10	13:54	
CCV	B	4880.40917	4896.67382	4864.14453	0.47130	ug/L	09/18/10	13:54	
CCV	Ba	4899.72900	4919.72119	4879.73681	0.57703	ug/L	09/18/10	13:54	
CCV	Be	489.25399	491.52456	486.98342	0.65631	ug/L	09/18/10	13:54	
CCV	Ca	4865.99023	4884.06689	4847.91308	0.52537	ug/L	09/18/10	13:54	
CCV	Cd	493.75497	496.04388	491.46606	0.65558	ug/L	09/18/10	13:54	
CCV	Co	482.28881	485.00704	479.57058	0.79706	ug/L	09/18/10	13:54	
CCV	Cr	4883.25048	4909.86621	4856.63476	0.77080	ug/L	09/18/10	13:54	
CCV	Cu	4845.51611	4865.55664	4825.47558	0.58490	ug/L	09/18/10	13:54	
CCV	Fe	4815.61035	4822.64257	4808.57763	0.20652	ug/L	09/18/10	13:54	
CCV	2Fe	4.81586	4.82289	4.80882	0.20658	mg/L	09/18/10	13:54	
CCV	K	9638.41308	9668.49707	9608.32910	0.44141	ug/L	09/18/10	13:54	
CCV	Mg	4840.68945	4865.64453	4815.73486	0.72905	ug/L	09/18/10	13:54	
CCV	2Mg	4.84071	4.86567	4.81576	0.72912	mg/L	09/18/10	13:54	
CCV	Mn	4891.55664	4915.19287	4867.92041	0.68335	ug/L	09/18/10	13:54	
CCV	Mo	493.76416	495.52633	492.00201	0.50470	ug/L	09/18/10	13:54	
CCV	Na	7163.53906	7407.12451	6919.95361	4.80882	ug/L	09/18/10	13:54	
CCV	Ni	2445.60839	2461.17089	2430.04614	0.89992	ug/L	09/18/10	13:54	
CCV	Pb	490.33056	491.58901	489.07211	0.36296	ug/L	09/18/10	13:54	
CCV	Se	4945.99121	4974.83154	4917.15087	0.82463	ug/L	09/18/10	13:54	
CCV	Sb	488.59423	488.15820	489.03030	0.12621	ug/L	09/18/10	13:54	
CCV	Sn	4878.58398	4906.09179	4851.07568	0.79740	ug/L	09/18/10	13:54	
CCV	Sr	2506.58374	2514.31567	2498.85180	0.43623	ug/L	09/18/10	13:54	
CCV	Ti	487.34222	490.02029	484.66412	0.77715	ug/L	09/18/10	13:54	
CCV	Tl	4960.60400	4980.29882	4940.90917	0.56147	ug/L	09/18/10	13:54	
CCV	V	4837.61718	4861.48535	4813.74951	0.69774	ug/L	09/18/10	13:54	
CCV	Zn	2448.56884	2461.12792	2436.01000	0.72536	ug/L	09/18/10	13:54	
CCV	2203/1	486.15051	489.70199	482.59902	1.03312	ug/L	09/18/10	13:54	
CCV	2203/2	492.41320	492.52685	492.29956	0.03263	ug/L	09/18/10	13:54	
CCV	1960/1	4860.34521	4883.54687	4837.14355	0.67509	ug/L	09/18/10	13:54	
CCV	1960/2	4988.75000	5020.40576	4957.09472	0.89737	ug/L	09/18/10	13:54	
CCV	Y	1011.35302	1005.57379	1017.13226	0.80813		09/18/10	13:54	
CCB	Ag	0.42589	0.45002	0.40175	8.01387	ug/L	09/18/10	13:59	
CCB	Al	18.15859	15.05910	21.25807	24.13916	ug/L	09/18/10	13:59	
CCB	2Al	0.01816	0.01506	0.02126	24.13908	mg/L	09/18/10	13:59	
CCB	As	-0.99048	-0.30795	-1.67301	97.45108	ug/L	09/18/10	13:59	
CCB	B	16.42517	19.49758	13.35275	26.45361	ug/L	09/18/10	13:59	
CCB	Ba	1.16386	0.33823	1.98950	100.32291	ug/L	09/18/10	13:59	
CCB	Be	0.09404	0.02157	0.16651	108.98246	ug/L	09/18/10	13:59	
CCB	Ca	2.71143	-0.35711	5.77998	160.04751	ug/L	09/18/10	13:59	
CCB	Cd	0.03392	-0.10879	0.17665	594.90643	ug/L	09/18/10	13:59	
CCB	Co	-0.28609	0.03960	-0.61180	160.99850	ug/L	09/18/10	13:59	
CCB	Cr	1.16013	0.84376	1.47650	38.56581	ug/L	09/18/10	13:59	
CCB	Cu	0.71312	0.49109	0.93515	44.03097	ug/L	09/18/10	13:59	
CCB	Fe	9.36440	11.39752	7.33128	30.70422	ug/L	09/18/10	13:59	
CCB	2Fe	0.00936	0.01139	0.00733	30.70352	mg/L	09/18/10	13:59	
CCB	K	7.88015	-9.40168	25.16200	310.14892	ug/L	09/18/10	13:59	
CCB	Mg	4.03640	4.03319	4.03961	0.11253	ug/L	09/18/10	13:59	
CCB	2Mg	0.00403	0.00403	0.00403	0.13753	mg/L	09/18/10	13:59	
CCB	Mn	1.23491	0.46009	2.00973	88.73215	ug/L	09/18/10	13:59	
CCB	Mo	-0.42324	-0.78120	-0.06528	119.60612	ug/L	09/18/10	13:59	
CCB	Na	-186.60050	-246.88775	-126.31325	45.69068	ug/L	09/18/10	13:59	
CCB	Ni	1.49475	0.58693	2.40258	85.89066	ug/L	09/18/10	13:59	
CCB	Pb	0.50879	0.52096	0.49662	3.38211	ug/L	09/18/10	13:59	
CCB	Se	5.50733	2.98680	8.02787	64.72406	ug/L	09/18/10	13:59	
CCB	Sb	1.54453	1.64637	1.44268	9.32529	ug/L	09/18/10	13:59	
CCB	Sn	0.24355	-0.51272	0.99982	439.13769	ug/L	09/18/10	13:59	
CCB	Sr	0.52967	0.17366	0.88568	95.05416	ug/L	09/18/10	13:59	
CCB	Ti	0.39407	0.34136	0.44679	18.91751	ug/L	09/18/10	13:59	
CCB	Tl	3.04144	1.10685	4.97602	89.95463	ug/L	09/18/10	13:59	
CCB	V	1.72672	0.35284	3.10060	112.52276	ug/L	09/18/10	13:59	
CCB	Zn	0.41251	0.05666	0.76837	121.99562	ug/L	09/18/10	13:59	
CCB	2203/1	2.57689	0.25047	4.90330	127.67524	ug/L	09/18/10	13:59	
CCB	2203/2	-0.52370	0.65600	-1.70342	318.56661	ug/L	09/18/10	13:59	
CCB	1960/1	5.77469	2.50146	9.04793	80.16087	ug/L	09/18/10	13:59	
CCB	1960/2	5.37385	3.22910	7.51860	56.44238	ug/L	09/18/10	13:59	
CCB	Y	998.46313	997.62072	999.30560	0.11932		09/18/10	13:59	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-1S	Ag	49.03544	48.80189	49.26900	0.67359	ug/L	09/18/10	14:04	
60980-1S	Al	274222.06250	274571.28125	273872.87500	0.18009	ug/L	09/18/10	14:04	
60980-1S	2Al	274.22674	274.57360	273.87988	0.17888	mg/L	09/18/10	14:04	
60980-1S	As	1994.15405	1994.48461	1993.82348	0.02344	ug/L	09/18/10	14:04	
60980-1S	B	1101.33032	1101.91711	1100.74340	0.07535	ug/L	09/18/10	14:04	
60980-1S	Ba	2625.87890	2628.87646	2622.88134	0.16143	ug/L	09/18/10	14:04	
60980-1S	Be	59.75827	59.79323	59.72330	0.08275	ug/L	09/18/10	14:04	
60980-1S	Ca	178182.21875	178182.75000	178181.67187	0.00042	ug/L	09/18/10	14:04	
60980-1S	Cd	50.37243	50.52756	50.21730	0.43553	ug/L	09/18/10	14:04	
60980-1S	Co	536.91503	537.31872	536.51141	0.10632	ug/L	09/18/10	14:04	
60980-1S	Cr	440.83441	440.85763	440.81115	0.00745	ug/L	09/18/10	14:04	
60980-1S	Cu	365.73660	365.66635	365.80685	0.02716	ug/L	09/18/10	14:04	
60980-1S	Fe	170542.96875	170646.93750	170438.98437	0.08622	ug/L	09/18/10	14:04	
60980-1S	2Fe	170.51705	170.61950	170.41461	0.08496	mg/L	09/18/10	14:04	
60980-1S	K	54936.32031	54961.10156	54911.54296	0.06378	ug/L	09/18/10	14:04	
60980-1S	Mg	53019.31250	53049.26171	52989.35937	0.07989	ug/L	09/18/10	14:04	
60980-1S	2Mg	52.97351	53.00343	52.94358	0.07988	mg/L	09/18/10	14:04	
60980-1S	Mn	3843.69433	3845.77856	3841.61010	0.07668	ug/L	09/18/10	14:04	
60980-1S	Mo	447.48513	445.37234	449.59793	0.66771	ug/L	09/18/10	14:04	
60980-1S	Na	10005.97851	10132.41699	9879.53906	1.78704	ug/L	09/18/10	14:04	
60980-1S	Ni	598.14709	596.12402	600.17022	0.47832	ug/L	09/18/10	14:04	
60980-1S	Pb	816.41485	818.66021	814.16949	0.38894	ug/L	09/18/10	14:04	
60980-1S	Se	1989.02929	1986.96215	1991.09631	0.14697	ug/L	09/18/10	14:04	
60980-1S	Sb	167.02311	164.19456	169.85166	2.39498	ug/L	09/18/10	14:04	
60980-1S	Sn	964.84338	968.10760	961.57922	0.47844	ug/L	09/18/10	14:04	
60980-1S	Sr	1075.29565	1077.20800	1073.38342	0.25150	ug/L	09/18/10	14:04	
60980-1S	Ti	2129.20141	2130.60986	2127.79296	0.09354	ug/L	09/18/10	14:04	
60980-1S	Tl	2044.82519	2054.85034	2034.80017	0.69334	ug/L	09/18/10	14:04	
60980-1S	V	780.00146	780.96893	779.03405	0.17540	ug/L	09/18/10	14:04	
60980-1S	Zn	1062.99926	1062.60412	1063.39428	0.05256	ug/L	09/18/10	14:04	
60980-1S	2203/1	843.52355	844.01495	843.03216	0.08238	ug/L	09/18/10	14:04	
60980-1S	2203/2	802.88085	806.00183	799.75982	0.54974	ug/L	09/18/10	14:04	
60980-1S	1960/1	1940.15869	1938.69836	1941.61889	0.10644	ug/L	09/18/10	14:04	
60980-1S	1960/2	2013.42797	2011.05786	2015.79797	0.16647	ug/L	09/18/10	14:04	
60980-1S	Y	1031.99511	1030.16613	1033.82409	0.25063		09/18/10	14:04	
60980-1SD	Ag	50.01165	50.57626	49.44703	1.59660	ug/L	09/18/10	14:09	
60980-1SD	Al	272588.50000	272167.59375	273009.40625	0.21836	ug/L	09/18/10	14:09	
60980-1SD	2Al	272.59924	272.16299	273.03552	0.22632	mg/L	09/18/10	14:09	
60980-1SD	As	2110.22827	2114.48852	2105.96801	0.28550	ug/L	09/18/10	14:09	
60980-1SD	B	1094.84252	1090.95141	1098.73352	0.50260	ug/L	09/18/10	14:09	
60980-1SD	Ba	2963.48608	2957.31176	2969.66040	0.29464	ug/L	09/18/10	14:09	
60980-1SD	Be	60.42536	60.31304	60.53769	0.26289	ug/L	09/18/10	14:09	
60980-1SD	Ca	124856.89062	124624.60156	125089.17968	0.26310	ug/L	09/18/10	14:09	
60980-1SD	Cd	50.04082	50.01984	50.06180	0.05928	ug/L	09/18/10	14:09	
60980-1SD	Co	550.03125	548.92401	551.13842	0.28468	ug/L	09/18/10	14:09	
60980-1SD	Cr	443.89129	443.20507	444.57751	0.21862	ug/L	09/18/10	14:09	
60980-1SD	Cu	365.78033	364.92510	366.63558	0.33066	ug/L	09/18/10	14:09	
60980-1SD	Fe	181044.40625	180610.20312	181478.59375	0.33916	ug/L	09/18/10	14:09	
60980-1SD	2Fe	181.02087	180.57632	181.46542	0.34730	mg/L	09/18/10	14:09	
60980-1SD	K	53334.14843	53201.31250	53466.98046	0.35222	ug/L	09/18/10	14:09	
60980-1SD	Mg	54335.16015	54232.82031	54437.50000	0.26636	ug/L	09/18/10	14:09	
60980-1SD	2Mg	54.28755	54.18275	54.39237	0.27303	mg/L	09/18/10	14:09	
60980-1SD	Mn	4687.55468	4678.36474	4696.74511	0.27726	ug/L	09/18/10	14:09	
60980-1SD	Mo	438.56774	438.33700	438.79846	0.07440	ug/L	09/18/10	14:09	
60980-1SD	Na	10102.35156	9986.50976	10218.19335	1.62165	ug/L	09/18/10	14:09	
60980-1SD	Ni	604.10571	603.94995	604.26153	0.03647	ug/L	09/18/10	14:09	
60980-1SD	Pb	653.65576	652.04919	655.26226	0.34758	ug/L	09/18/10	14:09	
60980-1SD	Se	1990.23547	1993.00415	1987.46679	0.19673	ug/L	09/18/10	14:09	
60980-1SD	Sb	145.74327	146.00715	145.47938	0.25606	ug/L	09/18/10	14:09	
60980-1SD	Sn	967.16485	966.23663	968.09307	0.13572	ug/L	09/18/10	14:09	
60980-1SD	Sr	1079.48754	1076.00817	1082.96691	0.45582	ug/L	09/18/10	14:09	
60980-1SD	Ti	1939.23339	1935.65405	1942.81262	0.26102	ug/L	09/18/10	14:09	
60980-1SD	Tl	2055.96533	2059.13305	2052.79785	0.21788	ug/L	09/18/10	14:09	
60980-1SD	V	792.63281	791.67993	793.58575	0.17001	ug/L	09/18/10	14:09	
60980-1SD	Zn	1055.65234	1053.30029	1058.00427	0.31508	ug/L	09/18/10	14:09	
60980-1SD	2203/1	687.03564	686.21905	687.85223	0.16808	ug/L	09/18/10	14:09	
60980-1SD	2203/2	636.99084	634.98986	638.99176	0.44423	ug/L	09/18/10	14:09	
60980-1SD	1960/1	1950.15844	1948.42541	1951.89160	0.12568	ug/L	09/18/10	14:09	
60980-1SD	1960/2	2010.24389	2015.26000	2005.22778	0.35288	ug/L	09/18/10	14:09	
60980-1SD	Y	1043.95520	1045.40002	1042.51037	0.19572		09/18/10	14:09	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-2	Ag	-0.00488	-0.25593	0.24616	7267.10644	ug/L	09/18/10	14:14	
60980-2	Al	256905.06250	257484.39062	256325.71875	0.31891	ug/L	09/18/10	14:14	
60980-2	2Al	256.90789	257.49011	256.32565	0.32050	mg/L	09/18/10	14:14	
60980-2	As	27.77357	29.00050	26.54663	6.24747	ug/L	09/18/10	14:14	
60980-2	B	210.96304	211.36259	210.56349	0.26784	ug/L	09/18/10	14:14	
60980-2	Ba	1651.13940	1656.18603	1646.09265	0.43225	ug/L	09/18/10	14:14	
60980-2	Be	10.98456	10.98677	10.98236	0.02841	ug/L	09/18/10	14:14	
60980-2	Ca	347191.75000	347751.68750	346631.81250	0.22807	ug/L	09/18/10	14:14	
60980-2	Cd	0.68919	0.28085	1.09753	83.78960	ug/L	09/18/10	14:14	
60980-2	Co	63.14137	62.41866	63.86407	1.61868	ug/L	09/18/10	14:14	
60980-2	Cr	229.01773	228.80128	229.23419	0.13366	ug/L	09/18/10	14:14	
60980-2	Cu	104.98220	104.53945	105.42497	0.59644	ug/L	09/18/10	14:14	
60980-2	Fe	175065.53125	175340.67187	174790.37500	0.22227	ug/L	09/18/10	14:14	
60980-2	2Fe	175.03762	175.31471	174.76054	0.22386	mg/L	09/18/10	14:14	
60980-2	K	49421.53906	49562.33593	49280.74218	0.40289	ug/L	09/18/10	14:14	
60980-2	Mg	53782.53906	53871.81250	53693.26562	0.23474	ug/L	09/18/10	14:14	
60980-2	2Mg	53.73427	53.82477	53.64378	0.23816	mg/L	09/18/10	14:14	
60980-2	Mn	3491.57275	3497.39013	3485.75537	0.23562	ug/L	09/18/10	14:14	
60980-2	Mo	1.00830	0.63053	1.38608	52.98496	ug/L	09/18/10	14:14	
60980-2	Na	1890.28588	1879.80761	1900.76403	0.78392	ug/L	09/18/10	14:14	
60980-2	Ni	128.26657	128.36999	128.16314	0.11403	ug/L	09/18/10	14:14	
60980-2	Pb	146.44261	147.85983	145.02539	1.36862	ug/L	09/18/10	14:14	
60980-2	Se	5.54307	5.82761	5.25853	7.25947	ug/L	09/18/10	14:14	
60980-2	Sb	1.48304	0.38640	2.57968	104.57424	ug/L	09/18/10	14:14	
60980-2	Sn	17.07704	15.94470	18.20938	9.37732	ug/L	09/18/10	14:14	
60980-2	Sr	921.41076	924.49835	918.32318	0.47389	ug/L	09/18/10	14:14	
60980-2	Ti	718.59918	720.18945	717.00891	0.31296	ug/L	09/18/10	14:14	
60980-2	Tl	13.93588	14.41829	13.45347	4.89549	ug/L	09/18/10	14:14	
60980-2	V	333.94143	333.86468	334.01818	0.03250	ug/L	09/18/10	14:14	
60980-2	Zn	509.53094	510.50323	508.55865	0.26986	ug/L	09/18/10	14:14	
60980-2	2203/1	184.27648	188.77989	179.77310	3.45609	ug/L	09/18/10	14:14	
60980-2	2203/2	127.55403	127.43048	127.67757	0.13697	ug/L	09/18/10	14:14	
60980-2	1960/1	1.34986	-1.75339	4.45312	325.12014	ug/L	09/18/10	14:14	
60980-2	1960/2	7.63654	9.61244	5.66064	36.59173	ug/L	09/18/10	14:14	
60980-2	Y	1034.87158	1033.00341	1036.73986	0.25530		09/18/10	14:14	
60980-3	Ag	-0.11861	0.38563	-0.62285	601.21679	ug/L	09/18/10	14:20	
60980-3	Al	264730.12500	264523.34375	264936.90625	0.11046	ug/L	09/18/10	14:20	
60980-3	2Al	264.74414	264.53186	264.95645	0.11340	mg/L	09/18/10	14:20	
60980-3	As	153.04345	152.30090	153.78602	0.68617	ug/L	09/18/10	14:20	
60980-3	B	133.89523	134.57325	133.21719	0.71614	ug/L	09/18/10	14:20	
60980-3	Ba	1556.62109	1556.47399	1556.76831	0.01336	ug/L	09/18/10	14:20	
60980-3	Be	10.32952	10.34016	10.31889	0.14560	ug/L	09/18/10	14:20	
60980-3	Ca	288303.81250	288299.87500	288307.75000	0.00193	ug/L	09/18/10	14:20	
60980-3	Cd	0.74436	0.85975	0.62896	21.92370	ug/L	09/18/10	14:20	
60980-3	Co	94.88403	94.90569	94.86237	0.03228	ug/L	09/18/10	14:20	
60980-3	Cr	236.87077	236.81259	236.92895	0.03473	ug/L	09/18/10	14:20	
60980-3	Cu	97.00152	97.67475	96.32829	0.98152	ug/L	09/18/10	14:20	
60980-3	Fe	170672.18750	170752.46875	170591.89062	0.06652	ug/L	09/18/10	14:20	
60980-3	2Fe	170.65209	170.72886	170.57531	0.06362	mg/L	09/18/10	14:20	
60980-3	K	46822.02734	46859.77343	46784.28125	0.11400	ug/L	09/18/10	14:20	
60980-3	Mg	51384.60937	51373.30468	51395.91015	0.03110	ug/L	09/18/10	14:20	
60980-3	2Mg	51.34180	51.32918	51.35441	0.03475	mg/L	09/18/10	14:20	
60980-3	Mn	6581.09082	6581.45947	6580.72265	0.00791	ug/L	09/18/10	14:20	
60980-3	Mo	1.42764	2.84691	0.00838	140.59118	ug/L	09/18/10	14:20	
60980-3	Na	1211.73510	1211.65246	1211.81774	0.00964	ug/L	09/18/10	14:20	
60980-3	Ni	127.82944	127.81318	127.84570	0.01798	ug/L	09/18/10	14:20	
60980-3	Pb	143.24166	143.71841	142.76490	0.47069	ug/L	09/18/10	14:20	
60980-3	Se	6.15015	7.25229	5.04801	25.34340	ug/L	09/18/10	14:20	
60980-3	Sb	-2.93679	-0.58267	-5.29091	113.36273	ug/L	09/18/10	14:20	
60980-3	Sn	18.07324	17.89475	18.25172	1.39664	ug/L	09/18/10	14:20	
60980-3	Sr	746.24670	745.05871	747.43463	0.22513	ug/L	09/18/10	14:20	
60980-3	Ti	1452.93896	1452.69897	1453.17907	0.02336	ug/L	09/18/10	14:20	
60980-3	Tl	1.66036	3.50959	-0.18885	157.50741	ug/L	09/18/10	14:20	
60980-3	V	324.87854	325.09075	324.66629	0.09238	ug/L	09/18/10	14:20	
60980-3	Zn	500.92578	500.61074	501.24081	0.08894	ug/L	09/18/10	14:20	
60980-3	2203/1	184.88917	190.14807	179.63027	4.02251	ug/L	09/18/10	14:20	
60980-3	2203/2	122.44911	120.53838	124.35985	2.20678	ug/L	09/18/10	14:20	
60980-3	1960/1	0.28082	8.09703	-7.53537	3936.14624	ug/L	09/18/10	14:20	
60980-3	1960/2	9.08042	6.83056	11.33028	35.04004	ug/L	09/18/10	14:20	
60980-3	Y	1031.32727	1031.26611	1031.38842	0.00838		09/18/10	14:20	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-4	Ag	-0.30786	-0.21379	-0.40194	43.21325	ug/L	09/18/10	14:25	
60980-4	Al	127629.17968	128318.80468	126939.55468	0.76414	ug/L	09/18/10	14:25	
60980-4	2Al	127.63031	128.32305	126.93756	0.76760	mg/L	09/18/10	14:25	
60980-4	As	24.61529	28.62899	20.60159	23.05976	ug/L	09/18/10	14:25	
60980-4	B	118.14523	119.23785	117.05261	1.30788	ug/L	09/18/10	14:25	
60980-4	Ba	1002.57434	1006.92108	998.22753	0.61314	ug/L	09/18/10	14:25	
60980-4	Be	5.28035	5.33941	5.22128	1.58201	ug/L	09/18/10	14:25	
60980-4	Ca	990207.50000	997294.37500	983120.68750	1.01214	ug/L	09/18/10	14:25	
60980-4	Cd	0.16448	0.13641	0.19255	24.13578	ug/L	09/18/10	14:25	
60980-4	Co	30.72356	30.75126	30.69585	0.12754	ug/L	09/18/10	14:25	
60980-4	Cr	127.47308	127.99665	126.94950	0.58086	ug/L	09/18/10	14:25	
60980-4	Cu	48.21568	48.78518	47.64619	1.67038	ug/L	09/18/10	14:25	
60980-4	Fe	86435.89062	86912.28906	85959.50000	0.77944	ug/L	09/18/10	14:25	
60980-4	2Fe	86.42227	86.90068	85.94387	0.78285	mg/L	09/18/10	14:25	
60980-4	K	25365.30078	25477.52343	25253.08007	0.62567	ug/L	09/18/10	14:25	
60980-4	Mg	28037.25976	28200.62695	27873.89257	0.82403	ug/L	09/18/10	14:25	
60980-4	2Mg	28.01350	28.17809	27.84891	0.83088	mg/L	09/18/10	14:25	
60980-4	Mn	1532.50549	1541.27551	1523.73547	0.80930	ug/L	09/18/10	14:25	
60980-4	Mo	-0.45911	-0.42536	-0.49285	10.39568	ug/L	09/18/10	14:25	
60980-4	Na	651.16064	693.10589	609.21533	9.10982	ug/L	09/18/10	14:25	
60980-4	Ni	63.54019	63.96788	63.11250	0.95190	ug/L	09/18/10	14:25	
60980-4	Pb	64.94963	65.48049	64.41875	1.15592	ug/L	09/18/10	14:25	
60980-4	Se	1.67531	4.18039	-0.82977	211.46685	ug/L	09/18/10	14:25	
60980-4	Sb	-0.65272	0.26561	-1.57107	198.96974	ug/L	09/18/10	14:25	
60980-4	Sn	14.09605	15.95523	12.23687	18.65257	ug/L	09/18/10	14:25	
60980-4	Sr	1140.92163	1147.16491	1134.67822	0.77388	ug/L	09/18/10	14:25	
60980-4	Ti	800.83776	805.04541	796.63006	0.74304	ug/L	09/18/10	14:25	
60980-4	Tl	4.35882	1.17664	7.54100	103.24532	ug/L	09/18/10	14:25	
60980-4	V	206.46176	207.69863	205.22489	0.84722	ug/L	09/18/10	14:25	
60980-4	Zn	234.10871	235.27420	232.94323	0.70404	ug/L	09/18/10	14:25	
60980-4	2203/1	82.05598	82.94849	81.16347	1.53821	ug/L	09/18/10	14:25	
60980-4	2203/2	56.40927	56.75960	56.05895	0.87828	ug/L	09/18/10	14:25	
60980-4	1960/1	-3.23203	-0.77105	-5.69301	107.68299	ug/L	09/18/10	14:25	
60980-4	1960/2	4.12530	6.65241	1.59820	86.63275	ug/L	09/18/10	14:25	
60980-4	Y	997.45922	993.66607	1001.25244	0.53780		09/18/10	14:25	
60980-5	Ag	0.50774	0.62322	0.39227	32.16187	ug/L	09/18/10	14:30	
60980-5	Al	206643.20312	205976.46875	207309.93750	0.45629	ug/L	09/18/10	14:30	
60980-5	2Al	206.64950	205.99052	207.30847	0.45097	mg/L	09/18/10	14:30	
60980-5	As	18.77667	21.80157	15.75178	22.78278	ug/L	09/18/10	14:30	
60980-5	B	118.70893	117.72443	119.69345	1.17287	ug/L	09/18/10	14:30	
60980-5	Ba	918.29766	915.75744	920.83789	0.39120	ug/L	09/18/10	14:30	
60980-5	Be	8.87678	8.86630	8.88726	0.16698	ug/L	09/18/10	14:30	
60980-5	Ca	507558.18750	506136.34375	508980.06250	0.39617	ug/L	09/18/10	14:30	
60980-5	Cd	0.47555	0.62876	0.32234	45.56105	ug/L	09/18/10	14:30	
60980-5	Co	42.87662	42.61153	43.14171	0.87435	ug/L	09/18/10	14:30	
60980-5	Cr	186.88162	185.58438	188.17887	0.98168	ug/L	09/18/10	14:30	
60980-5	Cu	81.75335	81.01840	82.48830	1.27135	ug/L	09/18/10	14:30	
60980-5	Fe	132025.68750	131543.56250	132507.79687	0.51642	ug/L	09/18/10	14:30	
60980-5	2Fe	132.00729	131.52980	132.48480	0.51155	mg/L	09/18/10	14:30	
60980-5	K	38541.71093	38485.08593	38598.33203	0.20776	ug/L	09/18/10	14:30	
60980-5	Mg	41038.29687	40899.39453	41177.19921	0.47866	ug/L	09/18/10	14:30	
60980-5	2Mg	41.00320	40.86574	41.14067	0.47411	mg/L	09/18/10	14:30	
60980-5	Mn	2251.84228	2244.73901	2258.94531	0.44609	ug/L	09/18/10	14:30	
60980-5	Mo	0.77722	2.17830	-0.62384	254.93414	ug/L	09/18/10	14:30	
60980-5	Na	432.83633	460.94754	404.72512	9.18482	ug/L	09/18/10	14:30	
60980-5	Ni	97.75436	98.79026	96.71846	1.49863	ug/L	09/18/10	14:30	
60980-5	Pb	103.39596	102.88989	103.90204	0.69219	ug/L	09/18/10	14:30	
60980-5	Se	5.77438	8.17772	3.37105	58.86042	ug/L	09/18/10	14:30	
60980-5	Sb	2.20124	3.89374	0.50875	108.73595	ug/L	09/18/10	14:30	
60980-5	Sn	17.44504	18.60426	16.28582	9.39743	ug/L	09/18/10	14:30	
60980-5	Sr	834.38952	832.13537	836.64361	0.38205	ug/L	09/18/10	14:30	
60980-5	Ti	721.96191	719.80023	724.12359	0.42344	ug/L	09/18/10	14:30	
60980-5	Tl	7.83905	11.18008	4.49801	60.27433	ug/L	09/18/10	14:30	
60980-5	V	284.21578	283.95886	284.47271	0.12784	ug/L	09/18/10	14:30	
60980-5	Zn	387.24151	386.01718	388.46588	0.44713	ug/L	09/18/10	14:30	
60980-5	2203/1	137.30450	140.67915	133.92987	3.47582	ug/L	09/18/10	14:30	
60980-5	2203/2	86.46711	84.02359	88.91064	3.99651	ug/L	09/18/10	14:30	
60980-5	1960/1	1.74082	9.11362	-5.63196	598.95031	ug/L	09/18/10	14:30	
60980-5	1960/2	7.78814	7.71047	7.86581	1.41033	ug/L	09/18/10	14:30	
60980-5	Y	1018.73425	1019.62036	1017.84814	0.12301		09/18/10	14:30	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-6	Ag	0.17790	0.11034	0.24547	53.70709	ug/L	09/18/10	14:35	
60980-6	Al	265973.31250	266535.65625	265411.00000	0.29899	ug/L	09/18/10	14:35	
60980-6	2Al	265.97726	266.53747	265.41705	0.29786	mg/L	09/18/10	14:35	
60980-6	As	21.09050	21.78638	20.39461	4.66622	ug/L	09/18/10	14:35	
60980-6	B	198.20236	198.45599	197.94874	0.18096	ug/L	09/18/10	14:35	
60980-6	Ba	1217.15600	1220.43750	1213.87451	0.38127	ug/L	09/18/10	14:35	
60980-6	Be	10.37348	10.37739	10.36957	0.05333	ug/L	09/18/10	14:35	
60980-6	Ca	351363.87500	351873.09375	350854.68750	0.20495	ug/L	09/18/10	14:35	
60980-6	Cd	0.74737	0.58621	0.90853	30.49555	ug/L	09/18/10	14:35	
60980-6	Co	58.51593	58.60664	58.42523	0.21921	ug/L	09/18/10	14:35	
60980-6	Cr	234.17794	234.07653	234.27935	0.06124	ug/L	09/18/10	14:35	
60980-6	Cu	94.72795	94.74227	94.71363	0.02137	ug/L	09/18/10	14:35	
60980-6	Fe	157689.62500	158053.93750	157325.31250	0.32672	ug/L	09/18/10	14:35	
60980-6	2Fe	157.66502	158.02827	157.30177	0.32582	mg/L	09/18/10	14:35	
60980-6	K	47026.24218	47133.98046	46918.50000	0.32400	ug/L	09/18/10	14:35	
60980-6	Mg	52554.98828	52642.34375	52467.63281	0.23506	ug/L	09/18/10	14:35	
60980-6	2Mg	52.51123	52.59849	52.42397	0.23500	mg/L	09/18/10	14:35	
60980-6	Mn	3075.54638	3082.00756	3069.08520	0.29710	ug/L	09/18/10	14:35	
60980-6	Mo	0.45907	1.18422	-0.26607	223.38858	ug/L	09/18/10	14:35	
60980-6	Na	1125.82763	1027.34497	1224.31030	12.37094	ug/L	09/18/10	14:35	
60980-6	Ni	120.63410	120.92696	120.34125	0.34331	ug/L	09/18/10	14:35	
60980-6	Pb	108.86996	110.03556	107.70436	1.51410	ug/L	09/18/10	14:35	
60980-6	Se	8.16262	4.52378	11.80146	63.04462	ug/L	09/18/10	14:35	
60980-6	Sb	0.39419	-2.76477	3.55315	1133.31567	ug/L	09/18/10	14:35	
60980-6	Sn	21.22596	19.97954	22.47238	8.30446	ug/L	09/18/10	14:35	
60980-6	Sr	869.29895	871.70019	866.89776	0.39064	ug/L	09/18/10	14:35	
60980-6	Ti	1335.11572	1337.38952	1332.84179	0.24085	ug/L	09/18/10	14:35	
60980-6	Tl	8.78749	9.24648	8.32850	7.38674	ug/L	09/18/10	14:35	
60980-6	V	288.07098	288.71533	287.42660	0.31633	ug/L	09/18/10	14:35	
60980-6	Zn	501.30419	501.32565	501.28274	0.00605	ug/L	09/18/10	14:35	
60980-6	2203/1	151.65075	152.13270	151.16882	0.44943	ug/L	09/18/10	14:35	
60980-6	2203/2	87.51164	89.01855	86.00472	2.43522	ug/L	09/18/10	14:35	
60980-6	1960/1	7.47025	3.42647	11.51402	76.55381	ug/L	09/18/10	14:35	
60980-6	1960/2	8.50829	5.07161	11.94497	57.12300	ug/L	09/18/10	14:35	
60980-6	Y	1035.50463	1032.29626	1038.71289	0.43816		09/18/10	14:35	
60980-7	Ag	0.57790	0.65078	0.50502	17.83432	ug/L	09/18/10	14:40	
60980-7	Al	63140.79687	63068.41015	63213.18750	0.16213	ug/L	09/18/10	14:40	
60980-7	2Al	63.14186	63.06835	63.21538	0.16464	mg/L	09/18/10	14:40	
60980-7	As	61.85466	62.60243	61.10689	1.70965	ug/L	09/18/10	14:40	
60980-7	B	103.76965	103.14472	104.39459	0.85168	ug/L	09/18/10	14:40	
60980-7	Ba	961.58782	960.68817	962.48748	0.13231	ug/L	09/18/10	14:40	
60980-7	Be	3.26955	3.25878	3.28032	0.46574	ug/L	09/18/10	14:40	
60980-7	Ca	1569605.75000	1569246.12500	1569965.50000	0.03240	ug/L	09/18/10	14:40	
60980-7	Cd	4.21647	4.42456	4.00838	6.97937	ug/L	09/18/10	14:40	
60980-7	Co	46.79951	46.33593	47.26309	1.40087	ug/L	09/18/10	14:40	
60980-7	Cr	149.09954	148.63410	149.56500	0.44147	ug/L	09/18/10	14:40	
60980-7	Cu	312.62344	311.83029	313.41659	0.35879	ug/L	09/18/10	14:40	
60980-7	Fe	416878.62500	416331.09375	417426.12500	0.18573	ug/L	09/18/10	14:40	
60980-7	2Fe	416.81414	416.25927	417.36901	0.18826	mg/L	09/18/10	14:40	
60980-7	K	14301.08789	14282.02441	14320.15234	0.18852	ug/L	09/18/10	14:40	
60980-7	Mg	21319.42773	21283.01171	21355.84375	0.24156	ug/L	09/18/10	14:40	
60980-7	2Mg	21.24219	21.20587	21.27850	0.24174	mg/L	09/18/10	14:40	
60980-7	Mn	4532.20117	4524.93603	4539.46582	0.22669	ug/L	09/18/10	14:40	
60980-7	Mo	8.89039	8.35686	9.42391	8.48689	ug/L	09/18/10	14:40	
60980-7	Na	688.24658	742.20593	634.28723	11.08760	ug/L	09/18/10	14:40	
60980-7	Ni	190.95321	191.19830	190.70812	0.18151	ug/L	09/18/10	14:40	
60980-7	Pb	1802.62158	1801.24877	1803.99426	0.10769	ug/L	09/18/10	14:40	
60980-7	Se	9.35350	10.59637	8.11063	18.79167	ug/L	09/18/10	14:40	
60980-7	Sb	7.08370	9.31418	4.85322	44.53006	ug/L	09/18/10	14:40	
60980-7	Sn	2446.38647	2443.16674	2449.60620	0.18612	ug/L	09/18/10	14:40	
60980-7	Sr	1854.08422	1853.37939	1854.78906	0.05376	ug/L	09/18/10	14:40	
60980-7	Ti	505.36169	504.15295	506.57046	0.33826	ug/L	09/18/10	14:40	
60980-7	Tl	8.25958	4.60089	11.91827	62.64441	ug/L	09/18/10	14:40	
60980-7	V	181.48219	182.31245	180.65193	0.64698	ug/L	09/18/10	14:40	
60980-7	Zn	2332.33251	2329.28100	2335.38403	0.18502	ug/L	09/18/10	14:40	
60980-7	2203/1	1781.59509	1786.94372	1776.24645	0.42456	ug/L	09/18/10	14:40	
60980-7	2203/2	1813.11901	1808.39062	1817.84741	0.36880	ug/L	09/18/10	14:40	
60980-7	1960/1	1.08910	7.34197	-5.16376	811.94110	ug/L	09/18/10	14:40	
60980-7	1960/2	13.47951	12.22113	14.73789	13.20234	ug/L	09/18/10	14:40	
60980-7	Y	984.26818	983.09399	985.44238	0.16871		09/18/10	14:40	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-8	Ag	-0.23536	-0.68199	0.21126	268.36123	ug/L	09/18/10	14:45	
60980-8	Al	109572.06250	109380.67968	109763.43750	0.24700	ug/L	09/18/10	14:45	
60980-8	2Al	109.57908	109.38770	109.77047	0.24700	mg/L	09/18/10	14:45	
60980-8	As	29.84072	28.62779	31.05365	5.74832	ug/L	09/18/10	14:45	
60980-8	B	76.74458	75.96447	77.52468	1.43754	ug/L	09/18/10	14:45	
60980-8	Ba	695.29162	693.79022	696.79309	0.30538	ug/L	09/18/10	14:45	
60980-8	Be	5.04364	5.03156	5.05572	0.33872	ug/L	09/18/10	14:45	
60980-8	Ca	1132710.50000	1128251.62500	1137169.25000	0.55669	ug/L	09/18/10	14:45	
60980-8	Cd	0.32229	0.27648	0.36811	20.10287	ug/L	09/18/10	14:45	
60980-8	Co	31.51535	31.41678	31.61393	0.44234	ug/L	09/18/10	14:45	
60980-8	Cr	118.30726	117.07503	119.53948	1.47297	ug/L	09/18/10	14:45	
60980-8	Cu	45.10231	45.13885	45.06576	0.11459	ug/L	09/18/10	14:45	
60980-8	Fe	87136.43750	86862.00781	87410.85937	0.44538	ug/L	09/18/10	14:45	
60980-8	2Fe	87.12692	86.85252	87.40132	0.44539	mg/L	09/18/10	14:45	
60980-8	K	21875.02343	21839.53710	21910.51171	0.22942	ug/L	09/18/10	14:45	
60980-8	Mg	24277.82812	24190.37304	24365.28515	0.50944	ug/L	09/18/10	14:45	
60980-8	2Mg	24.25625	24.16887	24.34364	0.50948	mg/L	09/18/10	14:45	
60980-8	Mn	1316.35778	1312.57031	1320.14526	0.40690	ug/L	09/18/10	14:45	
60980-8	Mo	1.71117	1.85007	1.57228	11.47906	ug/L	09/18/10	14:45	
60980-8	Na	521.66540	527.54724	515.78363	1.59453	ug/L	09/18/10	14:45	
60980-8	Ni	65.25704	65.80941	64.70467	1.19706	ug/L	09/18/10	14:45	
60980-8	Pb	76.17002	76.51159	75.82845	0.63418	ug/L	09/18/10	14:45	
60980-8	Se	9.20764	10.16956	8.24572	14.77426	ug/L	09/18/10	14:45	
60980-8	Sb	0.29754	-2.95070	3.54579	1543.88061	ug/L	09/18/10	14:45	
60980-8	Sn	28.88379	29.35169	28.41588	2.29096	ug/L	09/18/10	14:45	
60980-8	Sr	1071.96044	1070.39440	1073.52648	0.20660	ug/L	09/18/10	14:45	
60980-8	Ti	608.11199	606.73406	609.48992	0.32044	ug/L	09/18/10	14:45	
60980-8	Tl	5.50632	9.70972	1.30292	107.95777	ug/L	09/18/10	14:45	
60980-8	V	201.97454	201.92076	202.02833	0.03766	ug/L	09/18/10	14:45	
60980-8	Zn	217.84741	216.33349	219.36134	0.98280	ug/L	09/18/10	14:45	
60980-8	2203/1	94.58535	96.11058	93.06011	2.28048	ug/L	09/18/10	14:45	
60980-8	2203/2	66.97616	66.72679	67.22554	0.52655	ug/L	09/18/10	14:45	
60980-8	1960/1	7.92685	7.42935	8.42435	8.87582	ug/L	09/18/10	14:45	
60980-8	1960/2	9.84707	11.53761	8.15653	24.27910	ug/L	09/18/10	14:45	
60980-8	Y	1005.07617	1007.03167	1003.12066	0.27515		09/18/10	14:45	
60980-9	Ag	0.28364	0.07210	0.49519	105.47173	ug/L	09/18/10	14:50	
60980-9	Al	103086.51562	103311.96093	102861.07812	0.30927	ug/L	09/18/10	14:50	
60980-9	2Al	103.09307	103.31892	102.86722	0.30981	mg/L	09/18/10	14:50	
60980-9	As	44.99565	43.78268	46.20861	3.81234	ug/L	09/18/10	14:50	
60980-9	B	89.74757	90.39447	89.10067	1.01936	ug/L	09/18/10	14:50	
60980-9	Ba	1176.80786	1180.59106	1173.02453	0.45464	ug/L	09/18/10	14:50	
60980-9	Be	4.82118	4.85228	4.79008	0.91229	ug/L	09/18/10	14:50	
60980-9	Ca	1442203.25000	1447520.50000	1436885.87500	0.52141	ug/L	09/18/10	14:50	
60980-9	Cd	3.03491	2.98824	3.08157	2.17449	ug/L	09/18/10	14:50	
60980-9	Co	38.65727	39.11208	38.20246	1.66383	ug/L	09/18/10	14:50	
60980-9	Cr	124.52214	125.51222	123.53205	1.12444	ug/L	09/18/10	14:50	
60980-9	Cu	132.51469	133.01768	132.01170	0.53679	ug/L	09/18/10	14:50	
60980-9	Fe	95282.06250	95603.21875	94960.89843	0.47667	ug/L	09/18/10	14:50	
60980-9	2Fe	95.27244	95.59408	94.95079	0.47744	mg/L	09/18/10	14:50	
60980-9	K	21622.58593	21693.12109	21552.04882	0.46133	ug/L	09/18/10	14:50	
60980-9	Mg	23860.32812	23945.54101	23775.11523	0.50506	ug/L	09/18/10	14:50	
60980-9	2Mg	23.83745	23.92259	23.75232	0.50507	mg/L	09/18/10	14:50	
60980-9	Mn	1348.48901	1352.14562	1344.83251	0.38347	ug/L	09/18/10	14:50	
60980-9	Mo	2.61261	0.79776	4.42746	98.23808	ug/L	09/18/10	14:50	
60980-9	Na	568.90826	738.81311	399.00338	42.23559	ug/L	09/18/10	14:50	
60980-9	Ni	74.51197	75.48914	73.53481	1.85462	ug/L	09/18/10	14:50	
60980-9	Pb	736.10638	740.91467	731.29809	0.92377	ug/L	09/18/10	14:50	
60980-9	Se	4.77154	7.28390	2.25918	74.46247	ug/L	09/18/10	14:50	
60980-9	Sb	5.16760	6.27021	4.06500	30.17491	ug/L	09/18/10	14:50	
60980-9	Sn	102.58123	101.58601	103.57646	1.37204	ug/L	09/18/10	14:50	
60980-9	Sr	1616.71240	1620.44091	1612.98388	0.32615	ug/L	09/18/10	14:50	
60980-9	Ti	669.25354	671.24133	667.26580	0.42003	ug/L	09/18/10	14:50	
60980-9	Tl	2.37770	1.19583	3.55958	70.29566	ug/L	09/18/10	14:50	
60980-9	V	232.76715	233.41703	232.11727	0.39484	ug/L	09/18/10	14:50	
60980-9	Zn	1449.29052	1452.70996	1445.87121	0.33366	ug/L	09/18/10	14:50	
60980-9	2203/1	738.26666	737.46423	739.06909	0.15371	ug/L	09/18/10	14:50	
60980-9	2203/2	735.02789	742.63732	727.41845	1.46407	ug/L	09/18/10	14:50	
60980-9	1960/1	-2.83345	-3.06339	-2.60352	11.47622	ug/L	09/18/10	14:50	
60980-9	1960/2	8.56834	12.44979	4.68689	64.06365	ug/L	09/18/10	14:50	
60980-9	Y	996.31994	991.40496	1001.23498	0.69765		09/18/10	14:50	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	491.21380	490.58514	491.84246	0.18099	ug/L	09/18/10	14:56	
CCV	Al	4791.57910	4780.04736	4803.11035	0.34034	ug/L	09/18/10	14:56	
CCV	2Al	4.79171	4.78047	4.80294	0.33156	mg/L	09/18/10	14:56	
CCV	As	496.13714	494.37753	497.89672	0.50156	ug/L	09/18/10	14:56	
CCV	B	4988.09765	4978.87841	4997.31738	0.26138	ug/L	09/18/10	14:56	
CCV	Ba	4978.44726	4979.50683	4977.38769	0.03009	ug/L	09/18/10	14:56	
CCV	Be	500.31185	500.36630	500.25741	0.01538	ug/L	09/18/10	14:56	
CCV	Ca	4935.35937	4859.00097	5011.71777	2.18802	ug/L	09/18/10	14:56	
CCV	Cd	507.27905	506.44427	508.11386	0.23272	ug/L	09/18/10	14:56	
CCV	Co	491.09014	491.67608	490.50424	0.16873	ug/L	09/18/10	14:56	
CCV	Cr	4977.14746	4977.84521	4976.44921	0.01983	ug/L	09/18/10	14:56	
CCV	Cu	4906.18945	4908.43750	4903.94091	0.06480	ug/L	09/18/10	14:56	
CCV	Fe	4912.93847	4906.80371	4919.07324	0.17659	ug/L	09/18/10	14:56	
CCV	2Fe	4.91319	4.90706	4.91932	0.17654	mg/L	09/18/10	14:56	
CCV	K	9736.29101	9751.92871	9720.65429	0.22713	ug/L	09/18/10	14:56	
CCV	Mg	4920.04394	4920.48144	4919.60644	0.01257	ug/L	09/18/10	14:56	
CCV	2Mg	4.92006	4.92050	4.91962	0.01260	mg/L	09/18/10	14:56	
CCV	Mn	4967.26855	4966.91162	4967.62500	0.01015	ug/L	09/18/10	14:56	
CCV	Mo	507.40390	507.05908	507.74871	0.09610	ug/L	09/18/10	14:56	
CCV	Na	7081.27343	7326.74560	6835.80078	4.90237	ug/L	09/18/10	14:56	
CCV	Ni	2492.90917	2496.18334	2489.63476	0.18574	ug/L	09/18/10	14:56	
CCV	Pb	501.13232	501.09832	501.16629	0.00958	ug/L	09/18/10	14:56	
CCV	Se	5039.10742	5034.98095	5043.23437	0.11581	ug/L	09/18/10	14:56	
CCV	Sb	497.18167	498.69696	495.66638	0.43101	ug/L	09/18/10	14:56	
CCV	Sn	4977.24267	4977.39843	4977.08691	0.00442	ug/L	09/18/10	14:56	
CCV	Sr	2564.09570	2562.81884	2565.37231	0.07041	ug/L	09/18/10	14:56	
CCV	Ti	494.63687	494.87255	494.40118	0.06738	ug/L	09/18/10	14:56	
CCV	Tl	5075.32568	5084.22509	5066.42626	0.24797	ug/L	09/18/10	14:56	
CCV	V	4902.76464	4906.32373	4899.20556	0.10266	ug/L	09/18/10	14:56	
CCV	Zn	2494.20336	2493.84765	2494.55908	0.02016	ug/L	09/18/10	14:56	
CCV	2203/1	490.98141	490.76837	491.19445	0.06136	ug/L	09/18/10	14:56	
CCV	2203/2	506.19589	506.25131	506.14047	0.01548	ug/L	09/18/10	14:56	
CCV	1960/1	4927.01855	4906.88867	4947.14892	0.57779	ug/L	09/18/10	14:56	
CCV	1960/2	5095.06835	5098.93115	5091.20507	0.10722	ug/L	09/18/10	14:56	
CCV	Y	1003.00280	1006.49914	999.50640	0.49298		09/18/10	14:56	
CCB	Ag	0.75735	0.44756	1.06713	57.84714	ug/L	09/18/10	15:01	
CCB	Al	16.62789	14.44730	18.80848	18.54608	ug/L	09/18/10	15:01	
CCB	2Al	0.01662	0.01444	0.01881	18.54607	mg/L	09/18/10	15:01	
CCB	As	-4.32574	-2.89227	-5.75922	46.86438	ug/L	09/18/10	15:01	
CCB	B	15.92994	18.59574	13.26413	23.66624	ug/L	09/18/10	15:01	
CCB	Ba	0.39691	0.12932	0.66450	95.34200	ug/L	09/18/10	15:01	
CCB	Be	0.03982	0.01718	0.06246	80.38484	ug/L	09/18/10	15:01	
CCB	Ca	26.26217	6.16920	46.35514	108.20028	ug/L	09/18/10	15:01	
CCB	Cd	0.09974	-0.04768	0.24718	209.03424	ug/L	09/18/10	15:01	
CCB	Co	-0.50904	-0.63642	-0.38166	35.38817	ug/L	09/18/10	15:01	
CCB	Cr	-0.01581	-0.16593	0.13429	1341.95019	ug/L	09/18/10	15:01	
CCB	Cu	-1.16624	-1.76873	-0.56375	73.05873	ug/L	09/18/10	15:01	
CCB	Fe	9.38155	-3.05494	21.81805	187.47288	ug/L	09/18/10	15:01	
CCB	2Fe	0.00938	-0.00305	0.02181	187.47573	mg/L	09/18/10	15:01	
CCB	K	-10.34395	-6.61605	-14.07184	50.96739	ug/L	09/18/10	15:01	
CCB	Mg	-5.40100	-6.73567	-4.06633	34.94734	ug/L	09/18/10	15:01	
CCB	2Mg	-0.00540	-0.00673	-0.00406	34.88475	mg/L	09/18/10	15:01	
CCB	Mn	0.46007	0.11908	0.80105	104.81526	ug/L	09/18/10	15:01	
CCB	Mo	0.50888	-0.49245	1.51023	278.27590	ug/L	09/18/10	15:01	
CCB	Na	-186.49459	-307.23742	-65.75175	91.56091	ug/L	09/18/10	15:01	
CCB	Ni	1.18276	1.34691	1.01862	19.62656	ug/L	09/18/10	15:01	
CCB	Pb	0.06588	0.14431	-0.01254	168.33842	ug/L	09/18/10	15:01	
CCB	Se	4.85383	2.95964	6.74802	55.18906	ug/L	09/18/10	15:01	
CCB	Sb	-0.33878	-0.88769	0.21011	229.13236	ug/L	09/18/10	15:01	
CCB	Sn	-0.92130	-1.49094	-0.35167	87.43965	ug/L	09/18/10	15:01	
CCB	Sr	0.21032	0.03984	0.38080	114.63192	ug/L	09/18/10	15:01	
CCB	Ti	0.05762	0.19525	-0.08000	337.76971	ug/L	09/18/10	15:01	
CCB	Tl	2.32530	2.77523	1.87537	27.36405	ug/L	09/18/10	15:01	
CCB	V	0.59719	0.49504	0.69934	24.18963	ug/L	09/18/10	15:01	
CCB	Zn	0.05486	0.05379	0.05594	2.76719	ug/L	09/18/10	15:01	
CCB	2203/1	0.80948	0.69647	0.92250	19.74434	ug/L	09/18/10	15:01	
CCB	2203/2	-0.30535	-0.13134	-0.47936	80.58940	ug/L	09/18/10	15:01	
CCB	1960/1	7.17712	3.32138	11.03287	75.97537	ug/L	09/18/10	15:01	
CCB	1960/2	3.69393	2.77905	4.60881	35.02594	ug/L	09/18/10	15:01	
CCB	Y	999.34490	1001.95953	996.73028	0.37000		09/18/10	15:01	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-10	Ag	0.48683	1.13876	-0.16509	189.37940	ug/L	09/18/10	15:06	
60980-10	Al	257875.32812	257937.75000	257812.90625	0.03423	ug/L	09/18/10	15:06	
60980-10	2Al	257.88674	257.93753	257.83596	0.02784	mg/L	09/18/10	15:06	
60980-10	As	50.43706	50.28463	50.58948	0.42739	ug/L	09/18/10	15:06	
60980-10	B	144.30453	143.78814	144.82090	0.50606	ug/L	09/18/10	15:06	
60980-10	Ba	1028.72583	1029.00170	1028.45007	0.03791	ug/L	09/18/10	15:06	
60980-10	Be	9.60248	9.59700	9.60796	0.08071	ug/L	09/18/10	15:06	
60980-10	Ca	589789.50000	589467.75000	590111.25000	0.07715	ug/L	09/18/10	15:06	
60980-10	Cd	0.54116	0.58826	0.49405	12.30950	ug/L	09/18/10	15:06	
60980-10	Co	47.70671	47.85813	47.55529	0.44885	ug/L	09/18/10	15:06	
60980-10	Cr	220.74658	221.19076	220.30238	0.28457	ug/L	09/18/10	15:06	
60980-10	Cu	80.89031	80.93566	80.84497	0.07927	ug/L	09/18/10	15:06	
60980-10	Fe	147222.14062	147169.04687	147275.23437	0.05100	ug/L	09/18/10	15:06	
60980-10	2Fe	147.20364	147.14393	147.26336	0.05736	mg/L	09/18/10	15:06	
60980-10	K	40848.22265	40855.71484	40840.73046	0.02593	ug/L	09/18/10	15:06	
60980-10	Mg	57063.48437	57020.19531	57106.77734	0.10728	ug/L	09/18/10	15:06	
60980-10	2Mg	57.01993	56.97401	57.06585	0.11389	mg/L	09/18/10	15:06	
60980-10	Mn	2389.27636	2388.70605	2389.84692	0.03376	ug/L	09/18/10	15:06	
60980-10	Mo	1.65785	1.48423	1.83146	14.80981	ug/L	09/18/10	15:06	
60980-10	Na	890.96435	950.36126	831.56738	9.42798	ug/L	09/18/10	15:06	
60980-10	Ni	112.10096	111.43406	112.76786	0.84132	ug/L	09/18/10	15:06	
60980-10	Pb	96.11122	94.32740	97.89505	2.62478	ug/L	09/18/10	15:06	
60980-10	Se	7.47712	3.75376	11.20047	70.42306	ug/L	09/18/10	15:06	
60980-10	Sb	3.14325	3.57196	2.71454	19.28858	ug/L	09/18/10	15:06	
60980-10	Sn	20.05490	18.02636	22.08343	14.30466	ug/L	09/18/10	15:06	
60980-10	Sr	1487.21923	1484.70800	1489.73034	0.23878	ug/L	09/18/10	15:06	
60980-10	Ti	1231.75878	1230.86560	1232.65197	0.10254	ug/L	09/18/10	15:06	
60980-10	Tl	6.42421	7.76121	5.08721	29.43243	ug/L	09/18/10	15:06	
60980-10	V	341.10775	341.55661	340.65890	0.18609	ug/L	09/18/10	15:06	
60980-10	Zn	405.86383	405.16641	406.56127	0.24301	ug/L	09/18/10	15:06	
60980-10	2203/1	141.70385	139.60861	143.79910	2.09106	ug/L	09/18/10	15:06	
60980-10	2203/2	73.34909	71.72074	74.97744	3.13956	ug/L	09/18/10	15:06	
60980-10	1960/1	9.59364	4.94103	14.24626	68.58486	ug/L	09/18/10	15:06	
60980-10	1960/2	6.42044	3.16102	9.67987	71.79434	ug/L	09/18/10	15:06	
60980-10	Y	1016.43389	1015.15057	1017.71722	0.17855		09/18/10	15:06	
60961-1	Ag	1.01937	1.02178	1.01697	0.33310	ug/L	09/18/10	15:11	
60961-1	Al	114411.13281	114834.39062	113987.87500	0.52318	ug/L	09/18/10	15:11	
60961-1	2Al	114.41675	114.83612	113.99739	0.51834	mg/L	09/18/10	15:11	
60961-1	As	97.73927	99.61821	95.86032	2.71869	ug/L	09/18/10	15:11	
60961-1	B	137.56329	137.25329	137.87330	0.31869	ug/L	09/18/10	15:11	
60961-1	Ba	851.78558	854.54003	849.03112	0.45732	ug/L	09/18/10	15:11	
60961-1	Be	7.04180	7.06193	7.02166	0.40434	ug/L	09/18/10	15:11	
60961-1	Ca	147033.40625	147478.59375	146588.20312	0.42820	ug/L	09/18/10	15:11	
60961-1	Cd	2.70340	2.71797	2.68883	0.76231	ug/L	09/18/10	15:11	
60961-1	Co	82.97540	83.28942	82.66138	0.53521	ug/L	09/18/10	15:11	
60961-1	Cr	196.89294	198.11674	195.66912	0.87901	ug/L	09/18/10	15:11	
60961-1	Cu	369.64852	371.80612	367.49093	0.82545	ug/L	09/18/10	15:11	
60961-1	Fe	204079.26562	204632.25000	203526.28125	0.38320	ug/L	09/18/10	15:11	
60961-1	2Fe	204.05422	204.60020	203.50827	0.37838	mg/L	09/18/10	15:11	
60961-1	K	21847.89843	21922.08007	21773.71679	0.48017	ug/L	09/18/10	15:11	
60961-1	Mg	56882.12109	57063.13671	56701.10546	0.45004	ug/L	09/18/10	15:11	
60961-1	2Mg	56.83084	57.01042	56.65127	0.44687	mg/L	09/18/10	15:11	
60961-1	Mn	4298.23828	4313.19189	4283.28466	0.49200	ug/L	09/18/10	15:11	
60961-1	Mo	35.65120	34.45445	36.84795	4.74726	ug/L	09/18/10	15:11	
60961-1	Na	370.54241	438.20745	302.87741	25.82505	ug/L	09/18/10	15:11	
60961-1	Ni	275.80902	275.74688	275.87115	0.03185	ug/L	09/18/10	15:11	
60961-1	Pb	349.06964	350.90274	347.23657	0.74265	ug/L	09/18/10	15:11	
60961-1	Se	10.90055	5.92071	15.88040	64.60737	ug/L	09/18/10	15:11	
60961-1	Sb	5.31734	3.33200	7.30268	52.80262	ug/L	09/18/10	15:11	
60961-1	Sn	29.94034	30.14140	29.73927	0.94970	ug/L	09/18/10	15:11	
60961-1	Sr	263.39245	264.14691	262.63803	0.40507	ug/L	09/18/10	15:11	
60961-1	Ti	1329.36767	1333.97314	1324.76232	0.48993	ug/L	09/18/10	15:11	
60961-1	Tl	5.01695	5.09188	4.94203	2.11203	ug/L	09/18/10	15:11	
60961-1	V	273.63336	274.35351	272.91323	0.37218	ug/L	09/18/10	15:11	
60961-1	Zn	1155.36694	1158.04333	1152.69067	0.32759	ug/L	09/18/10	15:11	
60961-1	2203/1	363.05841	362.63586	363.48092	0.16458	ug/L	09/18/10	15:11	
60961-1	2203/2	342.08575	345.04495	339.12655	1.22335	ug/L	09/18/10	15:11	
60961-1	1960/1	11.29134	3.05054	19.53215	103.21402	ug/L	09/18/10	15:11	
60961-1	1960/2	10.70545	7.35364	14.05726	44.27812	ug/L	09/18/10	15:11	
60961-1	Y	1038.56445	1036.37316	1040.75561	0.29837		09/18/10	15:11	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60961-2	Ag	0.86581	1.06614	0.66549	32.72066	ug/L	09/18/10	15:16	
60961-2	Al	116762.82812	116099.65625	117426.00000	0.80322	ug/L	09/18/10	15:16	
60961-2	2Al	116.76429	116.10150	117.42708	0.80274	mg/L	09/18/10	15:16	
60961-2	As	93.27101	95.55503	90.98699	3.46311	ug/L	09/18/10	15:16	
60961-2	B	141.53887	141.58941	141.48832	0.05050	ug/L	09/18/10	15:16	
60961-2	Ba	785.75592	781.31097	790.20086	0.80000	ug/L	09/18/10	15:16	
60961-2	Be	6.63970	6.60617	6.67324	0.71426	ug/L	09/18/10	15:16	
60961-2	Ca	201929.81250	201138.89062	202720.75000	0.55392	ug/L	09/18/10	15:16	
60961-2	Cd	2.44900	2.54299	2.35500	5.42791	ug/L	09/18/10	15:16	
60961-2	Co	75.35047	75.74769	74.95324	0.74552	ug/L	09/18/10	15:16	
60961-2	Cr	183.60620	182.85047	184.36192	0.58208	ug/L	09/18/10	15:16	
60961-2	Cu	274.30163	273.26586	275.33737	0.53400	ug/L	09/18/10	15:16	
60961-2	Fe	193206.12500	192282.06250	194130.17187	0.67638	ug/L	09/18/10	15:16	
60961-2	2Fe	193.17532	192.25195	194.09869	0.67598	mg/L	09/18/10	15:16	
60961-2	K	21519.62500	21396.94726	21642.30273	0.80620	ug/L	09/18/10	15:16	
60961-2	Mg	73812.50000	73575.80468	74049.18750	0.45348	ug/L	09/18/10	15:16	
60961-2	2Mg	73.75444	73.51800	73.99087	0.45335	mg/L	09/18/10	15:16	
60961-2	Mn	4307.92480	4289.13574	4326.71337	0.61680	ug/L	09/18/10	15:16	
60961-2	Mo	38.51114	37.30838	39.71390	4.41680	ug/L	09/18/10	15:16	
60961-2	Na	294.04849	408.46456	179.63240	55.02792	ug/L	09/18/10	15:16	
60961-2	Ni	242.73825	241.88436	243.59213	0.49747	ug/L	09/18/10	15:16	
60961-2	Pb	276.72564	275.46630	277.98495	0.64358	ug/L	09/18/10	15:16	
60961-2	Se	11.23442	9.79247	12.67636	18.15151	ug/L	09/18/10	15:16	
60961-2	Sb	6.58471	8.97435	4.19507	51.32285	ug/L	09/18/10	15:16	
60961-2	Sn	23.45365	24.04976	22.85754	3.59442	ug/L	09/18/10	15:16	
60961-2	Sr	322.16503	320.48846	323.84161	0.73596	ug/L	09/18/10	15:16	
60961-2	Ti	1371.49853	1365.27294	1377.72399	0.64194	ug/L	09/18/10	15:16	
60961-2	Tl	8.18815	11.21880	5.15750	52.34372	ug/L	09/18/10	15:16	
60961-2	V	273.16387	272.31610	274.01165	0.43890	ug/L	09/18/10	15:16	
60961-2	Zn	953.97943	952.08111	955.87774	0.28141	ug/L	09/18/10	15:16	
60961-2	2203/1	294.60955	291.63626	297.58285	1.42727	ug/L	09/18/10	15:16	
60961-2	2203/2	267.79705	267.39343	268.20071	0.21315	ug/L	09/18/10	15:16	
60961-2	1960/1	8.03781	2.56513	13.51049	96.28914	ug/L	09/18/10	15:16	
60961-2	1960/2	12.83033	13.40073	12.25993	6.28721	ug/L	09/18/10	15:16	
60961-2	Y	1031.20947	1037.47314	1024.94567	0.85901		09/18/10	15:16	
60961-3	Ag	0.40217	0.40172	0.40263	0.16011	ug/L	09/18/10	15:21	
60961-3	Al	68273.82812	68156.56250	68391.08593	0.24289	ug/L	09/18/10	15:21	
60961-3	2Al	68.27786	68.16268	68.39304	0.23856	mg/L	09/18/10	15:21	
60961-3	As	288.42883	288.89050	287.96713	0.22637	ug/L	09/18/10	15:21	
60961-3	B	168.10311	168.31735	167.88888	0.18022	ug/L	09/18/10	15:21	
60961-3	Ba	503.30004	502.90557	503.69451	0.11084	ug/L	09/18/10	15:21	
60961-3	Be	5.67972	5.69929	5.66015	0.48723	ug/L	09/18/10	15:21	
60961-3	Ca	220161.68750	219911.17187	220412.18750	0.16091	ug/L	09/18/10	15:21	
60961-3	Cd	3.32354	3.00055	3.64654	13.74373	ug/L	09/18/10	15:21	
60961-3	Co	53.09479	53.28580	52.90378	0.50876	ug/L	09/18/10	15:21	
60961-3	Cr	143.03411	143.30067	142.76754	0.26355	ug/L	09/18/10	15:21	
60961-3	Cu	357.17541	356.82019	357.53067	0.14065	ug/L	09/18/10	15:21	
60961-3	Fe	200547.04687	200357.18750	200736.90625	0.13388	ug/L	09/18/10	15:21	
60961-3	2Fe	200.52499	200.34135	200.70861	0.12950	mg/L	09/18/10	15:21	
60961-3	K	15470.02734	15447.73730	15492.31738	0.20376	ug/L	09/18/10	15:21	
60961-3	Mg	62997.43359	62967.98828	63026.87890	0.06610	ug/L	09/18/10	15:21	
60961-3	2Mg	62.94410	62.91605	62.97216	0.06303	mg/L	09/18/10	15:21	
60961-3	Mn	2324.36328	2323.55371	2325.17260	0.04924	ug/L	09/18/10	15:21	
60961-3	Mo	247.51870	247.26660	247.77079	0.14403	ug/L	09/18/10	15:21	
60961-3	Na	859.24499	783.08355	935.40643	12.53525	ug/L	09/18/10	15:21	
60961-3	Ni	225.85531	226.75625	224.95439	0.56412	ug/L	09/18/10	15:21	
60961-3	Pb	475.16101	472.08047	478.24154	0.91685	ug/L	09/18/10	15:21	
60961-3	Se	7.36909	8.60329	6.13488	23.68577	ug/L	09/18/10	15:21	
60961-3	Sb	8.18667	6.47378	9.89956	29.58943	ug/L	09/18/10	15:21	
60961-3	Sn	31.50130	32.30830	30.69431	3.62290	ug/L	09/18/10	15:21	
60961-3	Sr	323.10070	323.04138	323.16000	0.02596	ug/L	09/18/10	15:21	
60961-3	Ti	1804.20495	1803.00622	1805.40368	0.09396	ug/L	09/18/10	15:21	
60961-3	Tl	1.28481	-3.14720	5.71682	487.83947	ug/L	09/18/10	15:21	
60961-3	V	195.56820	195.02478	196.11164	0.39297	ug/L	09/18/10	15:21	
60961-3	Zn	1496.35253	1494.16833	1498.53674	0.20643	ug/L	09/18/10	15:21	
60961-3	2203/1	477.85620	473.70330	482.00906	1.22904	ug/L	09/18/10	15:21	
60961-3	2203/2	473.81542	471.27026	476.36062	0.75966	ug/L	09/18/10	15:21	
60961-3	1960/1	1.26053	-1.67261	4.19369	329.07495	ug/L	09/18/10	15:21	
60961-3	1960/2	10.41879	13.73354	7.10403	44.99347	ug/L	09/18/10	15:21	
60961-3	Y	998.50244	999.37548	997.62945	0.12364		09/18/10	15:21	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60920-1	Ag	962.29040	965.47436	959.10644	0.46792	ug/L	09/18/10	15:27	
60920-1	Al	42492.05468	42653.89453	42330.21093	0.53863	ug/L	09/18/10	15:27	
60920-1	2Al	42.49370	42.65330	42.33411	0.53112	mg/L	09/18/10	15:27	
60920-1	As	576.08666	575.96160	576.21173	0.03070	ug/L	09/18/10	15:27	
60920-1	B	2560.66601	2569.62597	2551.70581	0.49485	ug/L	09/18/10	15:27	
60920-1	Ba	3631.95605	3646.11523	3617.79711	0.55132	ug/L	09/18/10	15:27	
60920-1	Be	1.46576	1.47186	1.45965	0.58879	ug/L	09/18/10	15:27	
60920-1	Ca	284212.28125	284978.71875	283445.84375	0.38137	ug/L	09/18/10	15:27	
60920-1	Cd	71646.29687	71748.96875	71543.61718	0.20266	ug/L	09/18/10	15:27	
60920-1	Co	238.73182	239.00662	238.45703	0.16278	ug/L	09/18/10	15:27	
60920-1	Cr	42264.04687	42405.16406	42122.93359	0.47219	ug/L	09/18/10	15:27	
60920-1	Cu	47700.29687	47901.71093	47498.88671	0.59714	ug/L	09/18/10	15:27	
60920-1	Fe	2689104.25000	2700992.75000	2677215.75000	0.62522	ug/L	09/18/10	15:27	
60920-1	2Fe	2688.74755	2700.49291	2677.00219	0.61777	mg/L	09/18/10	15:27	
60920-1	K	106204.85937	106601.51562	105808.21093	0.52817	ug/L	09/18/10	15:27	
60920-1	Mg	209406.96875	209911.95312	208902.00000	0.34103	ug/L	09/18/10	15:27	
60920-1	2Mg	208.97039	209.46173	208.47908	0.33250	mg/L	09/18/10	15:27	
60920-1	Mn	233701.65625	234267.06250	233136.26562	0.34214	ug/L	09/18/10	15:27	
60920-1	Mo	1044.08483	1043.88562	1044.28405	0.02698	ug/L	09/18/10	15:27	
60920-1	Na	173984.46875	173954.40625	174014.53125	0.02443	ug/L	09/18/10	15:27	
60920-1	Ni	3957.67578	3969.35668	3945.99511	0.41739	ug/L	09/18/10	15:27	
60920-1	Pb	162259.54687	162740.39062	161778.70312	0.41909	ug/L	09/18/10	15:27	
60920-1	Se	196.40281	197.87437	194.93125	1.05960	ug/L	09/18/10	15:27	
60920-1	Sb	1563.51489	1563.64050	1563.38916	0.01136	ug/L	09/18/10	15:27	
60920-1	Sn	5581.60400	5600.49511	5562.71289	0.47864	ug/L	09/18/10	15:27	
60920-1	Sr	471.07882	473.27072	468.88693	0.65802	ug/L	09/18/10	15:27	
60920-1	Ti	2913.15893	2923.56494	2902.75292	0.50516	ug/L	09/18/10	15:27	
60920-1	Tl	-19.63003	-20.37053	-18.88954	5.33476	ug/L	09/18/10	15:27	
60920-1	V	5786.96191	5809.68505	5764.23828	0.55531	ug/L	09/18/10	15:27	
60920-1	Zn	423928.12500	425284.37500	422571.84375	0.45244	ug/L	09/18/10	15:27	
60920-1	2203/1	158842.90625	159223.71875	158462.09375	0.33904	ug/L	09/18/10	15:27	
60920-1	2203/2	163965.31250	164496.09375	163434.53125	0.45780	ug/L	09/18/10	15:27	
60920-1	1960/1	195.24896	197.52038	192.97752	1.64522	ug/L	09/18/10	15:27	
60920-1	1960/2	196.97885	198.05108	195.90663	0.76980	ug/L	09/18/10	15:27	
60920-1	Y	923.09710	920.26422	925.92999	0.43400		09/18/10	15:27	
60920-1 1/20	Ag	45.38481	45.18271	45.58691	0.62975	ug/L	09/18/10	15:32	
60920-1 1/20	Al	2028.39172	2029.98706	2026.79638	0.11122	ug/L	09/18/10	15:32	
60920-1 1/20	2Al	2.02848	2.02998	2.02699	0.10430	mg/L	09/18/10	15:32	
60920-1 1/20	As	28.40170	26.72288	30.08053	8.35942	ug/L	09/18/10	15:32	
60920-1 1/20	B	138.77551	137.60737	139.94363	1.19040	ug/L	09/18/10	15:32	
60920-1 1/20	Ba	174.90274	175.40107	174.40441	0.40293	ug/L	09/18/10	15:32	
60920-1 1/20	Be	0.06057	0.04888	0.07226	27.28634	ug/L	09/18/10	15:32	
60920-1 1/20	Ca	14344.81835	14387.09277	14302.54394	0.41677	ug/L	09/18/10	15:32	
60920-1 1/20	Cd	4316.96484	4326.44824	4307.48095	0.31067	ug/L	09/18/10	15:32	
60920-1 1/20	Co	12.76574	12.70480	12.82668	0.67508	ug/L	09/18/10	15:32	
60920-1 1/20	Cr	2227.89257	2235.42431	2220.36108	0.47808	ug/L	09/18/10	15:32	
60920-1 1/20	Cu	2222.53222	2230.67333	2214.39086	0.51803	ug/L	09/18/10	15:32	
60920-1 1/20	Fe	144065.95312	144589.75000	143542.15625	0.51418	ug/L	09/18/10	15:32	
60920-1 1/20	2Fe	144.04859	144.56666	143.53053	0.50861	mg/L	09/18/10	15:32	
60920-1 1/20	K	4525.15087	4531.84960	4518.45214	0.20935	ug/L	09/18/10	15:32	
60920-1 1/20	Mg	10980.62500	11017.03515	10944.21484	0.46893	ug/L	09/18/10	15:32	
60920-1 1/20	2Mg	10.95995	10.99629	10.92361	0.46890	mg/L	09/18/10	15:32	
60920-1 1/20	Mn	16949.46484	17015.52539	16883.40234	0.55119	ug/L	09/18/10	15:32	
60920-1 1/20	Mo	51.53274	52.71006	50.35543	3.23090	ug/L	09/18/10	15:32	
60920-1 1/20	Na	5446.15820	5443.04101	5449.27587	0.08095	ug/L	09/18/10	15:32	
60920-1 1/20	Ni	214.09594	214.14964	214.04225	0.03546	ug/L	09/18/10	15:32	
60920-1 1/20	Pb	8748.73046	8775.00585	8722.45410	0.42474	ug/L	09/18/10	15:32	
60920-1 1/20	Se	10.57846	9.92829	11.22863	8.69199	ug/L	09/18/10	15:32	
60920-1 1/20	Sb	74.64077	71.01749	78.26406	6.86501	ug/L	09/18/10	15:32	
60920-1 1/20	Sn	295.48278	295.53369	295.43191	0.02435	ug/L	09/18/10	15:32	
60920-1 1/20	Sr	23.11791	23.19968	23.03613	0.50027	ug/L	09/18/10	15:32	
60920-1 1/20	Ti	146.82632	147.21696	146.43568	0.37626	ug/L	09/18/10	15:32	
60920-1 1/20	Tl	5.24874	5.27893	5.21854	0.81367	ug/L	09/18/10	15:32	
60920-1 1/20	V	285.32275	287.91400	282.73153	1.28435	ug/L	09/18/10	15:32	
60920-1 1/20	Zn	75420.51562	75565.61718	75275.42187	0.27207	ug/L	09/18/10	15:32	
60920-1 1/20	2203/1	8511.17382	8537.05761	8485.29101	0.43007	ug/L	09/18/10	15:32	
60920-1 1/20	2203/2	8867.33007	8893.80175	8840.85839	0.42218	ug/L	09/18/10	15:32	
60920-1 1/20	1960/1	8.93179	10.25807	7.60550	20.99970	ug/L	09/18/10	15:32	
60920-1 1/20	1960/2	11.40056	9.76364	13.03747	20.30557	ug/L	09/18/10	15:32	
60920-1 1/20	Y	1002.57934	999.75958	1005.39916	0.39775		09/18/10	15:32	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60920-1 1/100	Ag	8.77501	9.26350	8.28651	7.87275	ug/L	09/18/10	15:37	
60920-1 1/100	Al	420.18060	423.47885	416.88238	1.11009	ug/L	09/18/10	15:37	
60920-1 1/100	2Al	0.42022	0.42352	0.41692	1.11009	mg/L	09/18/10	15:37	
60920-1 1/100	As	0.98686	-1.04574	3.01946	291.28076	ug/L	09/18/10	15:37	
60920-1 1/100	B	30.85567	31.16659	30.54474	1.42507	ug/L	09/18/10	15:37	
60920-1 1/100	Ba	35.02907	35.40888	34.64926	1.53339	ug/L	09/18/10	15:37	
60920-1 1/100	Be	-0.00441	-0.00762	-0.00119	103.20808	ug/L	09/18/10	15:37	
60920-1 1/100	Ca	2876.67626	2895.77270	2857.57958	0.93881	ug/L	09/18/10	15:37	
60920-1 1/100	Cd	868.98443	874.84088	863.12799	0.95309	ug/L	09/18/10	15:37	
60920-1 1/100	Co	2.39038	2.44473	2.33603	3.21550	ug/L	09/18/10	15:37	
60920-1 1/100	Cr	445.94082	448.81842	443.06323	0.91257	ug/L	09/18/10	15:37	
60920-1 1/100	Cu	444.65057	448.35757	440.94360	1.17900	ug/L	09/18/10	15:37	
60920-1 1/100	Fe	28909.89648	29119.00390	28700.78906	1.02291	ug/L	09/18/10	15:37	
60920-1 1/100	2Fe	28.90623	29.11380	28.69866	1.01551	mg/L	09/18/10	15:37	
60920-1 1/100	K	889.53845	912.74053	866.33630	3.68873	ug/L	09/18/10	15:37	
60920-1 1/100	Mg	2191.10791	2204.71777	2177.49804	0.87842	ug/L	09/18/10	15:37	
60920-1 1/100	2Mg	2.18696	2.20054	2.17338	0.87821	mg/L	09/18/10	15:37	
60920-1 1/100	Mn	3407.94848	3432.82397	3383.07299	1.03227	ug/L	09/18/10	15:37	
60920-1 1/100	Mo	12.22184	13.54527	10.89841	15.31366	ug/L	09/18/10	15:37	
60920-1 1/100	Na	904.85424	970.10406	839.60449	10.19801	ug/L	09/18/10	15:37	
60920-1 1/100	Ni	43.71920	45.16566	42.27274	4.67895	ug/L	09/18/10	15:37	
60920-1 1/100	Pb	1752.99291	1763.80053	1742.18518	0.87190	ug/L	09/18/10	15:37	
60920-1 1/100	Se	4.28729	6.11623	2.45836	60.32958	ug/L	09/18/10	15:37	
60920-1 1/100	Sb	14.74902	19.93243	9.56562	49.70117	ug/L	09/18/10	15:37	
60920-1 1/100	Sn	58.12330	58.93301	57.31359	1.97013	ug/L	09/18/10	15:37	
60920-1 1/100	Sr	4.55874	4.58781	4.52967	0.90183	ug/L	09/18/10	15:37	
60920-1 1/100	Ti	29.63153	29.88685	29.37620	1.21858	ug/L	09/18/10	15:37	
60920-1 1/100	Tl	3.40147	2.66911	4.13383	30.44899	ug/L	09/18/10	15:37	
60920-1 1/100	V	56.70034	57.52015	55.88054	2.04475	ug/L	09/18/10	15:37	
60920-1 1/100	Zn	16261.99316	16358.49316	16165.49316	0.83920	ug/L	09/18/10	15:37	
60920-1 1/100	2203/1	1710.94384	1723.93457	1697.95300	1.07377	ug/L	09/18/10	15:37	
60920-1 1/100	2203/2	1773.98596	1783.70373	1764.26818	0.77469	ug/L	09/18/10	15:37	
60920-1 1/100	1960/1	5.95372	7.02456	4.88289	25.43596	ug/L	09/18/10	15:37	
60920-1 1/100	1960/2	3.45533	5.66275	1.24791	90.34632	ug/L	09/18/10	15:37	
60920-1 1/100	Y	1023.58813	1017.86560	1029.31066	0.79063		09/18/10	15:37	
61005-1	Ag	0.30496	0.68150	-0.07156	174.60740	ug/L	09/18/10	15:42	
61005-1	Al	79960.73437	79864.85937	80056.60156	0.16956	ug/L	09/18/10	15:42	
61005-1	2Al	79.96405	79.86916	80.05894	0.16781	mg/L	09/18/10	15:42	
61005-1	As	23.29208	22.72239	23.86177	3.45896	ug/L	09/18/10	15:42	
61005-1	B	421.33050	421.98178	420.67926	0.21859	ug/L	09/18/10	15:42	
61005-1	Ba	325.27239	325.06155	325.48324	0.09167	ug/L	09/18/10	15:42	
61005-1	Be	1.29477	1.29819	1.29136	0.37320	ug/L	09/18/10	15:42	
61005-1	Ca	225700.03125	225475.09375	225924.98437	0.14094	ug/L	09/18/10	15:42	
61005-1	Cd	0.20977	0.18477	0.23478	16.85838	ug/L	09/18/10	15:42	
61005-1	Co	9.33074	9.69525	8.96622	5.52472	ug/L	09/18/10	15:42	
61005-1	Cr	220.71018	220.59730	220.82307	0.07233	ug/L	09/18/10	15:42	
61005-1	Cu	298.42346	298.62698	298.21990	0.09645	ug/L	09/18/10	15:42	
61005-1	Fe	293835.62500	293336.96875	294334.31250	0.24000	ug/L	09/18/10	15:42	
61005-1	2Fe	293.79742	293.30288	294.29199	0.23805	mg/L	09/18/10	15:42	
61005-1	K	1174.26171	1184.74060	1163.78295	1.26200	ug/L	09/18/10	15:42	
61005-1	Mg	9166.74804	9152.41406	9181.08203	0.22113	ug/L	09/18/10	15:42	
61005-1	2Mg	9.11291	9.09867	9.12716	0.22103	mg/L	09/18/10	15:42	
61005-1	Mn	921.59387	920.55285	922.63494	0.15975	ug/L	09/18/10	15:42	
61005-1	Mo	13.58426	14.72044	12.44808	11.82839	ug/L	09/18/10	15:42	
61005-1	Na	34.56206	146.78240	-77.65828	459.18423	ug/L	09/18/10	15:42	
61005-1	Ni	87.74560	88.28060	87.21060	0.86227	ug/L	09/18/10	15:42	
61005-1	Pb	53.90260	54.36001	53.44519	1.20007	ug/L	09/18/10	15:42	
61005-1	Se	6.67997	5.34521	8.01473	28.25810	ug/L	09/18/10	15:42	
61005-1	Sb	182.66836	184.81549	180.52122	1.66230	ug/L	09/18/10	15:42	
61005-1	Sn	348.43927	351.37582	345.50271	1.19186	ug/L	09/18/10	15:42	
61005-1	Sr	195.31494	195.03211	195.59776	0.20478	ug/L	09/18/10	15:42	
61005-1	Ti	917.51580	916.99114	918.04046	0.08086	ug/L	09/18/10	15:42	
61005-1	Tl	5.89844	10.59866	1.19822	112.69261	ug/L	09/18/10	15:42	
61005-1	V	231.18130	231.50387	230.85874	0.19732	ug/L	09/18/10	15:42	
61005-1	Zn	352.49230	352.10607	352.87854	0.15495	ug/L	09/18/10	15:42	
61005-1	2203/1	68.79108	70.98224	66.59992	4.50461	ug/L	09/18/10	15:42	
61005-1	2203/2	46.46952	46.06135	46.87768	1.24218	ug/L	09/18/10	15:42	
61005-1	1960/1	1.40333	1.36221	1.44445	4.14388	ug/L	09/18/10	15:42	
61005-1	1960/2	9.31433	7.33372	11.29494	30.07195	ug/L	09/18/10	15:42	
61005-1	Y	1004.34716	1004.43884	1004.25555	0.01290		09/18/10	15:42	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61005-2	Ag	-0.72798	-1.38387	-0.07209	127.41582	ug/L	09/18/10	15:47	
61005-2	Al	67797.10937	68171.17968	67423.03906	0.78029	ug/L	09/18/10	15:47	
61005-2	2Al	67.79977	68.17651	67.42302	0.78583	mg/L	09/18/10	15:47	
61005-2	As	15.11915	17.78101	12.45729	24.89848	ug/L	09/18/10	15:47	
61005-2	B	220.59158	223.25453	217.92864	1.70721	ug/L	09/18/10	15:47	
61005-2	Ba	83.92599	84.20356	83.64841	0.46773	ug/L	09/18/10	15:47	
61005-2	Be	0.73011	0.73740	0.72282	1.41183	ug/L	09/18/10	15:47	
61005-2	Ca	64950.31250	65288.78906	64611.83593	0.73699	ug/L	09/18/10	15:47	
61005-2	Cd	-1.34826	-1.44512	-1.25141	10.15918	ug/L	09/18/10	15:47	
61005-2	Co	3.18576	2.91198	3.45955	12.15387	ug/L	09/18/10	15:47	
61005-2	Cr	97.89654	98.68952	97.10356	1.14553	ug/L	09/18/10	15:47	
61005-2	Cu	104.47201	104.76586	104.17816	0.39777	ug/L	09/18/10	15:47	
61005-2	Fe	150767.64062	151573.09375	149962.18750	0.75552	ug/L	09/18/10	15:47	
61005-2	2Fe	150.74783	151.55882	149.93684	0.76081	mg/L	09/18/10	15:47	
61005-2	K	596.73321	603.73876	589.72766	1.66026	ug/L	09/18/10	15:47	
61005-2	Mg	3075.64013	3095.41674	3055.86376	0.90934	ug/L	09/18/10	15:47	
61005-2	2Mg	3.04842	3.06805	3.02879	0.91062	mg/L	09/18/10	15:47	
61005-2	Mn	357.80209	359.70620	355.89797	0.75260	ug/L	09/18/10	15:47	
61005-2	Mo	5.19290	5.73919	4.64661	14.87749	ug/L	09/18/10	15:47	
61005-2	Na	-21.35856	24.70829	-67.42542	305.02224	ug/L	09/18/10	15:47	
61005-2	Ni	34.77225	35.41460	34.12990	2.61249	ug/L	09/18/10	15:47	
61005-2	Pb	73.05468	73.19175	72.91761	0.26535	ug/L	09/18/10	15:47	
61005-2	Se	0.99655	3.29433	-1.30123	326.07992	ug/L	09/18/10	15:47	
61005-2	Sb	34.25197	34.67693	33.82702	1.75457	ug/L	09/18/10	15:47	
61005-2	Sn	69.87144	68.03401	71.70887	3.71900	ug/L	09/18/10	15:47	
61005-2	Sr	80.95974	81.37530	80.54419	0.72589	ug/L	09/18/10	15:47	
61005-2	Ti	604.34020	607.35034	601.33013	0.70439	ug/L	09/18/10	15:47	
61005-2	Tl	4.59428	7.84019	1.34837	99.91561	ug/L	09/18/10	15:47	
61005-2	V	236.51440	237.73881	235.28997	0.73212	ug/L	09/18/10	15:47	
61005-2	Zn	112.00877	112.38950	111.62804	0.48070	ug/L	09/18/10	15:47	
61005-2	2203/1	83.05106	82.76904	83.33308	0.48023	ug/L	09/18/10	15:47	
61005-2	2203/2	68.06398	68.41029	67.71767	0.71955	ug/L	09/18/10	15:47	
61005-2	1960/1	-2.46530	-1.19997	-3.73064	72.58538	ug/L	09/18/10	15:47	
61005-2	1960/2	2.72488	5.53812	-0.08834	146.00666	ug/L	09/18/10	15:47	
61005-2	Y	1012.29150	1008.86499	1015.71801	0.47869		09/18/10	15:47	
CCV	Ag	488.23059	487.39669	489.06448	0.24154	ug/L	09/18/10	15:52	
CCV	Al	4738.97705	4708.58056	4769.37353	0.90709	ug/L	09/18/10	15:52	
CCV	2Al	4.73910	4.70880	4.76940	0.90418	mg/L	09/18/10	15:52	
CCV	As	495.13952	495.23965	495.03939	0.02859	ug/L	09/18/10	15:52	
CCV	B	4974.58203	4952.17919	4996.98437	0.63687	ug/L	09/18/10	15:52	
CCV	Ba	4948.78955	4937.24121	4960.33789	0.33001	ug/L	09/18/10	15:52	
CCV	Be	501.06625	500.01986	502.11264	0.29533	ug/L	09/18/10	15:52	
CCV	Ca	4855.76074	4837.30712	4874.21435	0.53745	ug/L	09/18/10	15:52	
CCV	Cd	508.32098	506.11273	510.52923	0.61436	ug/L	09/18/10	15:52	
CCV	Co	490.19259	488.53866	491.84652	0.47716	ug/L	09/18/10	15:52	
CCV	Cr	4989.77343	4976.42675	5003.12060	0.37828	ug/L	09/18/10	15:52	
CCV	Cu	4850.99316	4834.45996	4867.52685	0.48200	ug/L	09/18/10	15:52	
CCV	Fe	4852.56542	4836.17480	4868.95556	0.47767	ug/L	09/18/10	15:52	
CCV	2Fe	4.85282	4.83643	4.86921	0.47767	mg/L	09/18/10	15:52	
CCV	K	9717.54785	9714.79687	9720.29882	0.04003	ug/L	09/18/10	15:52	
CCV	Mg	4920.38574	4909.85351	4930.91796	0.30271	ug/L	09/18/10	15:52	
CCV	2Mg	4.92042	4.90989	4.93095	0.30271	mg/L	09/18/10	15:52	
CCV	Mn	4980.56933	4967.79345	4993.34570	0.36277	ug/L	09/18/10	15:52	
CCV	Mo	508.19708	506.81927	509.57485	0.38341	ug/L	09/18/10	15:52	
CCV	Na	7310.95019	7616.48779	7005.41259	5.91024	ug/L	09/18/10	15:52	
CCV	Ni	2496.63476	2490.96582	2502.30371	0.32111	ug/L	09/18/10	15:52	
CCV	Pb	504.02313	502.24349	505.80273	0.49933	ug/L	09/18/10	15:52	
CCV	Se	5063.93164	5042.72363	5085.14013	0.59228	ug/L	09/18/10	15:52	
CCV	Sb	494.51684	493.16860	495.86505	0.38556	ug/L	09/18/10	15:52	
CCV	Sn	4991.42480	4977.69921	5005.15087	0.38889	ug/L	09/18/10	15:52	
CCV	Sr	2569.69897	2565.14770	2574.25024	0.25047	ug/L	09/18/10	15:52	
CCV	Ti	492.36941	490.89074	493.84808	0.42471	ug/L	09/18/10	15:52	
CCV	Tl	5111.29003	5105.49365	5117.08642	0.16037	ug/L	09/18/10	15:52	
CCV	V	4877.24804	4861.36230	4893.13330	0.46061	ug/L	09/18/10	15:52	
CCV	Zn	2446.30444	2439.66186	2452.94702	0.38400	ug/L	09/18/10	15:52	
CCV	2203/1	499.02337	497.86645	500.18029	0.32786	ug/L	09/18/10	15:52	
CCV	2203/2	506.51504	504.42456	508.60552	0.58367	ug/L	09/18/10	15:52	
CCV	1960/1	4923.48193	4906.97460	4939.98925	0.47415	ug/L	09/18/10	15:52	
CCV	1960/2	5134.05126	5110.49609	5157.60644	0.64884	ug/L	09/18/10	15:52	
CCV	Y	1012.61889	1017.54260	1007.69512	0.68764		09/18/10	15:52	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.69821	0.54014	0.85628	32.01617	ug/L	09/18/10	15:58	
CCB	Al	22.71495	21.86685	23.56305	5.28018	ug/L	09/18/10	15:58	
CCB	2Al	0.02271	0.02186	0.02356	5.28015	mg/L	09/18/10	15:58	
CCB	As	-4.93247	-3.49324	-6.37169	41.26468	ug/L	09/18/10	15:58	
CCB	B	17.20232	19.90174	14.50290	22.19210	ug/L	09/18/10	15:58	
CCB	Ba	0.54237	0.01261	1.07213	138.13171	ug/L	09/18/10	15:58	
CCB	Be	0.05282	0.01197	0.09368	109.35748	ug/L	09/18/10	15:58	
CCB	Ca	0.83834	-2.70686	4.38354	598.04522	ug/L	09/18/10	15:58	
CCB	Cd	-0.03063	-0.18914	0.12787	731.75555	ug/L	09/18/10	15:58	
CCB	Co	0.04041	0.38951	-0.30869	1221.72998	ug/L	09/18/10	15:58	
CCB	Cr	0.67669	0.20450	1.14887	98.68120	ug/L	09/18/10	15:58	
CCB	Cu	-0.10708	-0.17110	-0.04306	84.54833	ug/L	09/18/10	15:58	
CCB	Fe	8.07419	-0.05204	16.20043	142.33285	ug/L	09/18/10	15:58	
CCB	2Fe	0.00807	-0.00005	0.01619	142.33065	mg/L	09/18/10	15:58	
CCB	K	-1.94137	2.95763	-6.84038	356.87319	ug/L	09/18/10	15:58	
CCB	Mg	1.33690	1.33034	1.34346	0.69391	ug/L	09/18/10	15:58	
CCB	2Mg	0.00133	0.00133	0.00134	0.57610	mg/L	09/18/10	15:58	
CCB	Mn	0.98976	0.30968	1.66984	97.17232	ug/L	09/18/10	15:58	
CCB	Mo	0.53619	0.50399	0.56838	8.49162	ug/L	09/18/10	15:58	
CCB	Na	-329.07830	-292.12438	-366.03219	15.88093	ug/L	09/18/10	15:58	
CCB	Ni	0.40349	-0.20004	1.00704	211.53639	ug/L	09/18/10	15:58	
CCB	Pb	0.07121	-0.11929	0.26172	378.31109	ug/L	09/18/10	15:58	
CCB	Se	5.35164	6.96084	3.74245	42.52423	ug/L	09/18/10	15:58	
CCB	Sb	-0.58769	-0.52668	-0.64870	14.68152	ug/L	09/18/10	15:58	
CCB	Sn	-0.76923	1.96808	-3.50656	503.24581	ug/L	09/18/10	15:58	
CCB	Sr	0.27765	0.07930	0.47599	101.02624	ug/L	09/18/10	15:58	
CCB	Ti	0.36416	0.36329	0.36503	0.33791	ug/L	09/18/10	15:58	
CCB	Tl	3.80222	4.59707	3.00737	29.56404	ug/L	09/18/10	15:58	
CCB	V	0.12461	0.00001	0.24920	141.39950	ug/L	09/18/10	15:58	
CCB	Zn	2.71759	1.19641	4.23878	79.16105	ug/L	09/18/10	15:58	
CCB	2203/1	2.41404	3.39703	1.43105	57.58607	ug/L	09/18/10	15:58	
CCB	2203/2	-1.09844	-1.87481	-0.32206	99.95629	ug/L	09/18/10	15:58	
CCB	1960/1	2.55270	2.61619	2.48921	3.51734	ug/L	09/18/10	15:58	
CCB	1960/2	6.74901	9.12990	4.36812	49.89002	ug/L	09/18/10	15:58	
CCB	Y	1011.50579	1004.67456	1018.33703	0.95509		09/18/10	15:58	
60870-2	Ag	1.22201	1.42141	1.02261	23.07616	ug/L	09/18/10	16:03	
60870-2	Al	834.77148	846.06665	823.47631	1.91355	ug/L	09/18/10	16:03	
60870-2	2Al	0.83475	0.84615	0.82336	1.93003	mg/L	09/18/10	16:03	
60870-2	As	-3.16294	-4.52546	-1.80042	60.92102	ug/L	09/18/10	16:03	
60870-2	B	22.30984	21.76023	22.85946	3.48401	ug/L	09/18/10	16:03	
60870-2	Ba	635.75799	643.38452	628.13146	1.69648	ug/L	09/18/10	16:03	
60870-2	Be	0.03313	0.03033	0.03594	11.95188	ug/L	09/18/10	16:03	
60870-2	Ca	843.77880	853.29376	834.26379	1.59475	ug/L	09/18/10	16:03	
60870-2	Cd	1562.81274	1581.48742	1544.13793	1.68990	ug/L	09/18/10	16:03	
60870-2	Co	132.90040	134.06132	131.73948	1.23535	ug/L	09/18/10	16:03	
60870-2	Cr	1850.86120	1873.35156	1828.37084	1.71845	ug/L	09/18/10	16:03	
60870-2	Cu	110.60038	111.86453	109.33624	1.61642	ug/L	09/18/10	16:03	
60870-2	Fe	1530.25561	1558.28100	1502.23022	2.59001	ug/L	09/18/10	16:03	
60870-2	2Fe	1.53017	1.55819	1.50214	2.58998	mg/L	09/18/10	16:03	
60870-2	K	121.98964	127.43582	116.54347	6.31369	ug/L	09/18/10	16:03	
60870-2	Mg	698.88073	706.57598	691.18554	1.55715	ug/L	09/18/10	16:03	
60870-2	2Mg	0.69859	0.70629	0.69090	1.55676	mg/L	09/18/10	16:03	
60870-2	Mn	404.69982	409.20843	400.19122	1.57552	ug/L	09/18/10	16:03	
60870-2	Mo	302.33291	304.69049	299.97534	1.10279	ug/L	09/18/10	16:03	
60870-2	Na	152.54528	46.93838	258.15219	97.90582	ug/L	09/18/10	16:03	
60870-2	Ni	3.45599	3.00877	3.90321	18.30033	ug/L	09/18/10	16:03	
60870-2	Pb	8375.46875	8461.97656	8288.96093	1.46070	ug/L	09/18/10	16:03	
60870-2	Se	185.59098	187.94013	183.24183	1.79006	ug/L	09/18/10	16:03	
60870-2	Sb	128.67639	131.87040	125.48239	3.51036	ug/L	09/18/10	16:03	
60870-2	Sn	52.07196	51.29110	52.85281	2.12070	ug/L	09/18/10	16:03	
60870-2	Sr	14.63144	14.77723	14.48566	1.40907	ug/L	09/18/10	16:03	
60870-2	Ti	38.64271	38.95066	38.33475	1.12703	ug/L	09/18/10	16:03	
60870-2	Tl	0.38735	3.94230	-3.16758	1297.88867	ug/L	09/18/10	16:03	
60870-2	V	-1.20857	-1.47956	-0.93757	31.71036	ug/L	09/18/10	16:03	
60870-2	Zn	210.93852	212.97721	208.89982	1.36682	ug/L	09/18/10	16:03	
60870-2	2203/1	8169.54736	8275.80859	8063.28613	1.83946	ug/L	09/18/10	16:03	
60870-2	2203/2	8478.27539	8554.92089	8401.62988	1.27848	ug/L	09/18/10	16:03	
60870-2	1960/1	178.78613	180.93029	176.64198	1.69604	ug/L	09/18/10	16:03	
60870-2	1960/2	188.98831	191.43980	186.53681	1.83446	ug/L	09/18/10	16:03	
60870-2	Y	1024.31701	1013.02044	1035.61364	1.55965		09/18/10	16:03	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60869-4	Ag	11.51991	11.57178	11.46803	0.63688	ug/L	09/18/10	16:08	
60869-4	Al	32817.19531	32855.73828	32778.64843	0.16610	ug/L	09/18/10	16:08	
60869-4	2Al	32.81774	32.85559	32.77988	0.16312	mg/L	09/18/10	16:08	
60869-4	As	0.57885	-0.56031	1.71801	278.31530	ug/L	09/18/10	16:08	
60869-4	B	496.34814	495.01794	497.67834	0.37900	ug/L	09/18/10	16:08	
60869-4	Ba	261.88940	261.89932	261.87945	0.00536	ug/L	09/18/10	16:08	
60869-4	Be	0.53504	0.53504	0.53505	0.00153	ug/L	09/18/10	16:08	
60869-4	Ca	182843.84375	182811.21875	182876.46875	0.02523	ug/L	09/18/10	16:08	
60869-4	Cd	66.38671	66.13737	66.63605	0.53116	ug/L	09/18/10	16:08	
60869-4	Co	1067.29248	1068.37915	1066.20593	0.14398	ug/L	09/18/10	16:08	
60869-4	Cr	800.59887	800.75921	800.43847	0.02832	ug/L	09/18/10	16:08	
60869-4	Cu	317.38714	318.04846	316.72583	0.29466	ug/L	09/18/10	16:08	
60869-4	Fe	5426.47558	5411.65332	5441.29785	0.38628	ug/L	09/18/10	16:08	
60869-4	2Fe	5.42649	5.41167	5.44131	0.38624	mg/L	09/18/10	16:08	
60869-4	K	5202.02343	5198.68994	5205.35742	0.09063	ug/L	09/18/10	16:08	
60869-4	Mg	9203.89648	9223.76171	9184.03125	0.30523	ug/L	09/18/10	16:08	
60869-4	2Mg	9.20080	9.22067	9.18094	0.30529	mg/L	09/18/10	16:08	
60869-4	Mn	1015.59057	1015.78613	1015.39501	0.02723	ug/L	09/18/10	16:08	
60869-4	Mo	274.01174	274.37283	273.65066	0.18636	ug/L	09/18/10	16:08	
60869-4	Na	9183.23925	9134.97851	9231.50000	0.74321	ug/L	09/18/10	16:08	
60869-4	Ni	22.84557	22.97344	22.71771	0.79153	ug/L	09/18/10	16:08	
60869-4	Pb	3227.55322	3222.69433	3232.41210	0.21290	ug/L	09/18/10	16:08	
60869-4	Se	7.66595	7.02017	8.31172	11.91326	ug/L	09/18/10	16:08	
60869-4	Sb	118.41760	115.99513	120.84007	2.89305	ug/L	09/18/10	16:08	
60869-4	Sn	163.04171	165.26142	160.82199	1.92537	ug/L	09/18/10	16:08	
60869-4	Sr	297.89093	298.13214	297.64968	0.11452	ug/L	09/18/10	16:08	
60869-4	Ti	2910.49511	2911.77856	2909.21142	0.06236	ug/L	09/18/10	16:08	
60869-4	Tl	3.27360	3.43677	3.11043	7.04890	ug/L	09/18/10	16:08	
60869-4	V	795.48211	795.93298	795.03125	0.08015	ug/L	09/18/10	16:08	
60869-4	Zn	14736.28515	14735.00781	14737.56250	0.01225	ug/L	09/18/10	16:08	
60869-4	2203/1	3152.57592	3146.24023	3158.91162	0.28421	ug/L	09/18/10	16:08	
60869-4	2203/2	3264.98583	3260.86425	3269.10717	0.17851	ug/L	09/18/10	16:08	
60869-4	1960/1	9.90395	11.22110	8.58680	18.80795	ug/L	09/18/10	16:08	
60869-4	1960/2	6.54862	4.92285	8.17439	35.10940	ug/L	09/18/10	16:08	
60869-4	Y	1003.32141	1002.91113	1003.73175	0.05783		09/18/10	16:08	
60975-1	Ag	-0.67464	-1.09201	-0.25727	87.49098	ug/L	09/18/10	16:13	
60975-1	Al	165813.75000	165884.40625	165743.10937	0.06025	ug/L	09/18/10	16:13	
60975-1	2Al	165.82696	165.89549	165.75843	0.05844	mg/L	09/18/10	16:13	
60975-1	As	246.08621	248.60334	243.56909	1.44654	ug/L	09/18/10	16:13	
60975-1	B	207.88183	208.76144	207.00222	0.59839	ug/L	09/18/10	16:13	
60975-1	Ba	1322.44531	1322.90539	1321.98510	0.04920	ug/L	09/18/10	16:13	
60975-1	Be	9.80959	9.81685	9.80234	0.10453	ug/L	09/18/10	16:13	
60975-1	Ca	189348.56250	189369.15625	189327.98437	0.01537	ug/L	09/18/10	16:13	
60975-1	Cd	-1.50458	-1.39833	-1.61082	9.98640	ug/L	09/18/10	16:13	
60975-1	Co	39.94658	41.00263	38.89054	3.73867	ug/L	09/18/10	16:13	
60975-1	Cr	1030.13342	1031.00317	1029.26367	0.11940	ug/L	09/18/10	16:13	
60975-1	Cu	107.67024	107.88397	107.45649	0.28074	ug/L	09/18/10	16:13	
60975-1	Fe	230808.12500	230781.25000	230834.98437	0.01646	ug/L	09/18/10	16:13	
60975-1	2Fe	230.78701	230.75712	230.81692	0.01832	mg/L	09/18/10	16:13	
60975-1	K	26782.65429	26791.40234	26773.90625	0.04619	ug/L	09/18/10	16:13	
60975-1	Mg	124477.14062	124477.38281	124476.90625	0.00027	ug/L	09/18/10	16:13	
60975-1	2Mg	124.40026	124.39919	124.40135	0.00122	mg/L	09/18/10	16:13	
60975-1	Mn	365.31225	365.54119	365.08334	0.08862	ug/L	09/18/10	16:13	
60975-1	Mo	26.56681	26.04784	27.08578	2.76261	ug/L	09/18/10	16:13	
60975-1	Na	865.88903	719.61187	1012.16613	23.89071	ug/L	09/18/10	16:13	
60975-1	Ni	114.96888	114.84581	115.09196	0.15139	ug/L	09/18/10	16:13	
60975-1	Pb	57.61945	58.86976	56.36914	3.06876	ug/L	09/18/10	16:13	
60975-1	Se	12.58206	10.50763	14.65649	23.31642	ug/L	09/18/10	16:13	
60975-1	Sb	0.77041	1.36988	0.17095	110.04045	ug/L	09/18/10	16:13	
60975-1	Sn	19.83545	18.40347	21.26743	10.20961	ug/L	09/18/10	16:13	
60975-1	Sr	1226.13183	1227.33398	1224.92956	0.13866	ug/L	09/18/10	16:13	
60975-1	Ti	1162.44042	1163.03869	1161.84204	0.07279	ug/L	09/18/10	16:13	
60975-1	Tl	4.17080	8.58399	-0.24238	149.64001	ug/L	09/18/10	16:13	
60975-1	V	420.85803	421.32107	420.39498	0.15559	ug/L	09/18/10	16:13	
60975-1	Zn	1540.36889	1540.18896	1540.54870	0.01651	ug/L	09/18/10	16:13	
60975-1	2203/1	90.38865	89.31935	91.45795	1.67302	ug/L	09/18/10	16:13	
60975-1	2203/2	41.25941	43.66779	38.85103	8.25498	ug/L	09/18/10	16:13	
60975-1	1960/1	11.53033	8.47661	14.58405	37.45440	ug/L	09/18/10	16:13	
60975-1	1960/2	13.10714	11.52162	14.69266	17.10717	ug/L	09/18/10	16:13	
60975-1	Y	1021.50164	1019.95208	1023.05120	0.21452		09/18/10	16:13	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 179540	Ag	0.53576	0.58565	0.48587	13.16926	ug/L	09/18/10	16:18	
PBW 179540	Al	31.21923	32.30630	30.13216	4.92437	ug/L	09/18/10	16:18	
PBW 179540	2Al	0.03122	0.03230	0.03013	4.92442	mg/L	09/18/10	16:18	
PBW 179540	As	-1.83992	-1.25896	-2.42089	44.65426	ug/L	09/18/10	16:18	
PBW 179540	B	4.58772	4.59490	4.58055	0.22124	ug/L	09/18/10	16:18	
PBW 179540	Ba	-0.05828	-0.12934	0.01276	172.40139	ug/L	09/18/10	16:18	
PBW 179540	Be	-0.01783	-0.00720	-0.02846	84.30193	ug/L	09/18/10	16:18	
PBW 179540	Ca	10.04386	9.01697	11.07076	14.45906	ug/L	09/18/10	16:18	
PBW 179540	Cd	-0.04316	0.02115	-0.10749	210.73130	ug/L	09/18/10	16:18	
PBW 179540	Co	-0.59375	-0.41025	-0.77726	43.70634	ug/L	09/18/10	16:18	
PBW 179540	Cr	0.11039	0.49939	-0.27860	498.33126	ug/L	09/18/10	16:18	
PBW 179540	Cu	-1.69440	-1.17190	-2.21690	43.60971	ug/L	09/18/10	16:18	
PBW 179540	Fe	38.78586	31.81464	45.75708	25.41852	ug/L	09/18/10	16:18	
PBW 179540	2Fe	0.03878	0.03181	0.04575	25.41862	mg/L	09/18/10	16:18	
PBW 179540	K	1.84954	-7.82006	11.51916	739.36407	ug/L	09/18/10	16:18	
PBW 179540	Mg	1.33500	1.33373	1.33626	0.13386	ug/L	09/18/10	16:18	
PBW 179540	2Mg	0.00132	0.00132	0.00132	0.00423	mg/L	09/18/10	16:18	
PBW 179540	Mn	0.02166	0.01669	0.02663	32.43526	ug/L	09/18/10	16:18	
PBW 179540	Mo	0.18294	0.07760	0.28828	81.43063	ug/L	09/18/10	16:18	
PBW 179540	Na	-31.65687	-52.63254	-10.68120	93.70499	ug/L	09/18/10	16:18	
PBW 179540	Ni	0.22086	-0.10984	0.55158	211.75743	ug/L	09/18/10	16:18	
PBW 179540	Pb	0.50189	0.78851	0.21528	80.76042	ug/L	09/18/10	16:18	
PBW 179540	Se	2.72892	3.63702	1.82082	47.06052	ug/L	09/18/10	16:18	
PBW 179540	Sb	3.55920	1.47677	5.64163	82.74316	ug/L	09/18/10	16:18	
PBW 179540	Sn	-0.15462	0.06213	-0.37137	198.24821	ug/L	09/18/10	16:18	
PBW 179540	Sr	-0.01033	0.01292	-0.03358	318.28558	ug/L	09/18/10	16:18	
PBW 179540	Ti	0.35534	0.65581	0.05487	119.58156	ug/L	09/18/10	16:18	
PBW 179540	Tl	4.07014	3.83811	4.30217	8.06215	ug/L	09/18/10	16:18	
PBW 179540	V	0.09736	-0.39417	0.58889	713.97570	ug/L	09/18/10	16:18	
PBW 179540	Zn	2.59147	2.65992	2.52301	3.73577	ug/L	09/18/10	16:18	
PBW 179540	2203/1	1.30767	-2.69882	5.31417	433.29260	ug/L	09/18/10	16:18	
PBW 179540	2203/2	0.09961	2.52957	-2.33034	3449.76342	ug/L	09/18/10	16:18	
PBW 179540	1960/1	0.98188	-3.99982	5.96358	717.52075	ug/L	09/18/10	16:18	
PBW 179540	1960/2	3.60113	7.44972	-0.24744	151.13899	ug/L	09/18/10	16:18	
PBW 179540	Y	1011.77642	1006.88323	1016.66961	0.68394		09/18/10	16:18	
LCSW-1	Ag	51.54945	50.86479	52.23411	1.87830	ug/L	09/18/10	16:23	
LCSW-1	Al	1984.03735	1973.75854	1994.31604	0.73266	ug/L	09/18/10	16:23	
LCSW-1	2Al	1.98413	1.97375	1.99450	0.73969	mg/L	09/18/10	16:23	
LCSW-1	As	2100.04248	2092.36718	2107.71777	0.51687	ug/L	09/18/10	16:23	
LCSW-1	B	1073.71362	1068.29040	1079.13696	0.71431	ug/L	09/18/10	16:23	
LCSW-1	Ba	2103.56396	2098.01220	2109.11596	0.37324	ug/L	09/18/10	16:23	
LCSW-1	Be	52.76651	52.53512	52.99790	0.62015	ug/L	09/18/10	16:23	
LCSW-1	Ca	5129.08984	5108.00195	5150.17724	0.58143	ug/L	09/18/10	16:23	
LCSW-1	Cd	54.11524	53.63720	54.59329	1.24929	ug/L	09/18/10	16:23	
LCSW-1	Co	521.99682	520.29278	523.70086	0.46166	ug/L	09/18/10	16:23	
LCSW-1	Cr	212.05041	211.32945	212.77137	0.48082	ug/L	09/18/10	16:23	
LCSW-1	Cu	253.68557	252.50157	254.86958	0.66004	ug/L	09/18/10	16:23	
LCSW-1	Fe	1015.58184	1005.13549	1026.02819	1.45467	ug/L	09/18/10	16:23	
LCSW-1	2Fe	1.01572	1.00527	1.02617	1.45446	mg/L	09/18/10	16:23	
LCSW-1	K	5098.05371	5057.41601	5138.69189	1.12730	ug/L	09/18/10	16:23	
LCSW-1	Mg	5220.50146	5194.69433	5246.30859	0.69910	ug/L	09/18/10	16:23	
LCSW-1	2Mg	5.21908	5.19329	5.24488	0.69906	mg/L	09/18/10	16:23	
LCSW-1	Mn	525.29833	523.38952	527.20721	0.51390	ug/L	09/18/10	16:23	
LCSW-1	Mo	537.83209	538.13470	537.52947	0.07957	ug/L	09/18/10	16:23	
LCSW-1	Na	4959.27246	4788.15722	5130.38769	4.87961	ug/L	09/18/10	16:23	
LCSW-1	Ni	526.72607	524.46966	528.98254	0.60583	ug/L	09/18/10	16:23	
LCSW-1	Pb	528.37890	524.60070	532.15716	1.01124	ug/L	09/18/10	16:23	
LCSW-1	Se	2157.92089	2145.54614	2170.29541	0.81098	ug/L	09/18/10	16:23	
LCSW-1	Sb	504.19351	499.22171	509.16531	1.39454	ug/L	09/18/10	16:23	
LCSW-1	Sn	1054.04467	1052.37084	1055.71838	0.22456	ug/L	09/18/10	16:23	
LCSW-1	Sr	554.04162	551.61151	556.47167	0.62028	ug/L	09/18/10	16:23	
LCSW-1	Ti	725.88104	723.10095	728.66113	0.54163	ug/L	09/18/10	16:23	
LCSW-1	Tl	2210.74291	2196.48876	2224.99707	0.91183	ug/L	09/18/10	16:23	
LCSW-1	V	507.35461	504.88980	509.81942	0.68704	ug/L	09/18/10	16:23	
LCSW-1	Zn	524.41638	522.33331	526.49951	0.56175	ug/L	09/18/10	16:23	
LCSW-1	2203/1	515.26739	511.72805	518.80676	0.97141	ug/L	09/18/10	16:23	
LCSW-1	2203/2	534.92492	531.02740	538.82238	1.03040	ug/L	09/18/10	16:23	
LCSW-1	1960/1	2084.93725	2069.08251	2100.79199	1.07542	ug/L	09/18/10	16:23	
LCSW-1	1960/2	2194.35717	2183.71997	2204.99438	0.68554	ug/L	09/18/10	16:23	
LCSW-1	Y	1008.38049	1012.59271	1004.16821	0.59075		09/18/10	16:23	

35

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60986-1	Ag	0.16354	0.06887	0.25821	81.86126	ug/L	09/18/10	16:28	
60986-1	Al	1103.25854	1101.06066	1105.45629	0.28172	ug/L	09/18/10	16:28	
60986-1	2Al	1.10316	1.10097	1.10536	0.28172	mg/L	09/18/10	16:28	
60986-1	As	0.52036	-1.53077	2.57151	557.44451	ug/L	09/18/10	16:28	
60986-1	B	201.69027	200.75312	202.62744	0.65711	ug/L	09/18/10	16:28	
60986-1	Ba	78.25228	78.23118	78.27339	0.03813	ug/L	09/18/10	16:28	
60986-1	Be	0.01947	0.02080	0.01813	9.72671	ug/L	09/18/10	16:28	
60986-1	Ca	8404.82421	8397.76953	8411.87792	0.11869	ug/L	09/18/10	16:28	
60986-1	Cd	2.18335	2.26126	2.10544	5.04656	ug/L	09/18/10	16:28	
60986-1	Co	0.44526	0.13160	0.75891	99.62038	ug/L	09/18/10	16:28	
60986-1	Cr	75.66870	74.79953	76.53787	1.62443	ug/L	09/18/10	16:28	
60986-1	Cu	6.07629	5.53178	6.62081	12.67319	ug/L	09/18/10	16:28	
60986-1	Fe	1117.75585	1108.91223	1126.59960	1.11892	ug/L	09/18/10	16:28	
60986-1	2Fe	1.11767	1.10882	1.12651	1.11892	mg/L	09/18/10	16:28	
60986-1	K	4374.35742	4364.14941	4384.56591	0.33002	ug/L	09/18/10	16:28	
60986-1	Mg	1451.38696	1449.21997	1453.55395	0.21114	ug/L	09/18/10	16:28	
60986-1	2Mg	1.45079	1.44862	1.45295	0.21103	mg/L	09/18/10	16:28	
60986-1	Mn	25.31068	25.23802	25.38334	0.40599	ug/L	09/18/10	16:28	
60986-1	Mo	0.04272	-0.20558	0.29102	821.99639	ug/L	09/18/10	16:28	
60986-1	Na	38606.74218	38377.96875	38835.51953	0.83803	ug/L	09/18/10	16:28	
60986-1	Ni	4.72216	3.91640	5.52792	24.13120	ug/L	09/18/10	16:28	
60986-1	Pb	0.27228	-1.35354	1.89811	844.44256	ug/L	09/18/10	16:28	
60986-1	Se	0.78176	-2.12600	3.68953	526.01745	ug/L	09/18/10	16:28	
60986-1	Sb	-0.22705	1.05549	-1.50960	798.83264	ug/L	09/18/10	16:28	
60986-1	Sn	-2.18855	-2.58645	-1.79065	25.71183	ug/L	09/18/10	16:28	
60986-1	Sr	134.00486	133.62796	134.38177	0.39776	ug/L	09/18/10	16:28	
60986-1	Ti	3.04165	2.95205	3.13126	4.16624	ug/L	09/18/10	16:28	
60986-1	Tl	3.25315	1.61949	4.88681	71.01847	ug/L	09/18/10	16:28	
60986-1	V	3.62874	3.96375	3.29372	13.05638	ug/L	09/18/10	16:28	
60986-1	Zn	57.96652	57.85197	58.08108	0.27948	ug/L	09/18/10	16:28	
60986-1	2203/1	3.34041	0.70990	5.97093	111.36669	ug/L	09/18/10	16:28	
60986-1	2203/2	-1.25948	-2.38372	-0.13523	126.23597	ug/L	09/18/10	16:28	
60986-1	1960/1	1.25998	1.69450	0.82547	48.77021	ug/L	09/18/10	16:28	
60986-1	1960/2	0.54300	-4.03339	5.11941	1191.88330	ug/L	09/18/10	16:28	
60986-1	Y	1006.03210	1008.46337	1003.60076	0.34177		09/18/10	16:28	
60986-1S	Ag	50.98622	51.35372	50.61872	1.01934	ug/L	09/18/10	16:34	
60986-1S	Al	3781.22998	3792.06787	3770.39233	0.40534	ug/L	09/18/10	16:34	
60986-1S	2Al	3.78149	3.79223	3.77075	0.40164	mg/L	09/18/10	16:34	
60986-1S	As	2107.15258	2110.12158	2104.18359	0.19926	ug/L	09/18/10	16:34	
60986-1S	B	1268.23461	1268.28161	1268.18762	0.00524	ug/L	09/18/10	16:34	
60986-1S	Ba	2182.81591	2184.99169	2180.64013	0.14096	ug/L	09/18/10	16:34	
60986-1S	Be	53.17827	53.25886	53.09768	0.21431	ug/L	09/18/10	16:34	
60986-1S	Ca	13467.15429	13486.50683	13447.80175	0.20322	ug/L	09/18/10	16:34	
60986-1S	Cd	55.93604	55.89253	55.97954	0.10999	ug/L	09/18/10	16:34	
60986-1S	Co	525.17205	525.73516	524.60894	0.15163	ug/L	09/18/10	16:34	
60986-1S	Cr	291.15692	291.00964	291.30422	0.07154	ug/L	09/18/10	16:34	
60986-1S	Cu	265.51473	265.70626	265.32321	0.10201	ug/L	09/18/10	16:34	
60986-1S	Fe	2191.50927	2200.82763	2182.19091	0.60132	ug/L	09/18/10	16:34	
60986-1S	2Fe	2.19156	2.20088	2.18224	0.60128	mg/L	09/18/10	16:34	
60986-1S	K	9661.59375	9679.95800	9643.23046	0.26879	ug/L	09/18/10	16:34	
60986-1S	Mg	6679.24560	6687.65527	6670.83593	0.17806	ug/L	09/18/10	16:34	
60986-1S	2Mg	6.67722	6.68563	6.66882	0.17803	mg/L	09/18/10	16:34	
60986-1S	Mn	553.77954	554.47991	553.07910	0.17886	ug/L	09/18/10	16:34	
60986-1S	Mo	537.23663	538.59136	535.88189	0.35661	ug/L	09/18/10	16:34	
60986-1S	Na	43968.13281	43951.21875	43985.04296	0.05439	ug/L	09/18/10	16:34	
60986-1S	Ni	533.70068	533.99273	533.40869	0.07738	ug/L	09/18/10	16:34	
60986-1S	Pb	526.71862	526.34405	527.09326	0.10057	ug/L	09/18/10	16:34	
60986-1S	Se	2143.06762	2140.02026	2146.11499	0.20109	ug/L	09/18/10	16:34	
60986-1S	Sb	512.10656	514.96600	509.24707	0.78965	ug/L	09/18/10	16:34	
60986-1S	Sn	1055.27587	1056.48254	1054.06909	0.16171	ug/L	09/18/10	16:34	
60986-1S	Sr	684.59631	685.74700	683.44567	0.23770	ug/L	09/18/10	16:34	
60986-1S	Ti	727.68029	728.20800	727.15264	0.10255	ug/L	09/18/10	16:34	
60986-1S	Tl	2198.78100	2203.26928	2194.29272	0.28867	ug/L	09/18/10	16:34	
60986-1S	V	509.76712	509.81527	509.71896	0.01335	ug/L	09/18/10	16:34	
60986-1S	Zn	584.56628	585.01934	584.11315	0.10961	ug/L	09/18/10	16:34	
60986-1S	2203/1	512.11334	513.04223	511.18447	0.25651	ug/L	09/18/10	16:34	
60986-1S	2203/2	534.01037	532.98498	535.03570	0.27154	ug/L	09/18/10	16:34	
60986-1S	1960/1	2077.43286	2077.23876	2077.62695	0.01321	ug/L	09/18/10	16:34	
60986-1S	1960/2	2175.83496	2171.36303	2180.30688	0.29065	ug/L	09/18/10	16:34	
60986-1S	Y	1003.72302	1002.05560	1005.39044	0.23493		09/18/10	16:34	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60986-1SD	Ag	51.44408	52.84893	50.03922	3.86199	ug/L	09/18/10	16:39	
60986-1SD	Al	4039.44799	4039.95605	4038.93994	0.01778	ug/L	09/18/10	16:39	
60986-1SD	2Al	4.03944	4.03995	4.03893	0.01777	mg/L	09/18/10	16:39	
60986-1SD	As	2115.74121	2119.88867	2111.59350	0.27723	ug/L	09/18/10	16:39	
60986-1SD	B	1275.97192	1279.07897	1272.86486	0.34436	ug/L	09/18/10	16:39	
60986-1SD	Ba	2188.71411	2191.53735	2185.89086	0.18242	ug/L	09/18/10	16:39	
60986-1SD	Be	53.44676	53.55759	53.33593	0.29326	ug/L	09/18/10	16:39	
60986-1SD	Ca	13480.31738	13486.78125	13473.85351	0.06781	ug/L	09/18/10	16:39	
60986-1SD	Cd	56.42513	56.68470	56.16555	0.65058	ug/L	09/18/10	16:39	
60986-1SD	Co	528.26623	528.68652	527.84588	0.11252	ug/L	09/18/10	16:39	
60986-1SD	Cr	297.25067	297.07580	297.42553	0.08319	ug/L	09/18/10	16:39	
60986-1SD	Cu	268.09545	267.67285	268.51803	0.22291	ug/L	09/18/10	16:39	
60986-1SD	Fe	2242.66284	2254.64477	2230.68090	0.75557	ug/L	09/18/10	16:39	
60986-1SD	2Fe	2.24271	2.25469	2.23073	0.75552	mg/L	09/18/10	16:39	
60986-1SD	K	9647.26367	9654.53417	9639.99218	0.10658	ug/L	09/18/10	16:39	
60986-1SD	Mg	6707.89257	6708.53271	6707.25244	0.01349	ug/L	09/18/10	16:39	
60986-1SD	2Mg	6.70585	6.70649	6.70522	0.01346	mg/L	09/18/10	16:39	
60986-1SD	Mn	555.68707	556.43615	554.93798	0.19064	ug/L	09/18/10	16:39	
60986-1SD	Mo	541.26281	541.04547	541.48016	0.05678	ug/L	09/18/10	16:39	
60986-1SD	Na	43850.81250	43927.85937	43773.76953	0.24847	ug/L	09/18/10	16:39	
60986-1SD	Ni	535.58447	536.59301	534.57592	0.26630	ug/L	09/18/10	16:39	
60986-1SD	Pb	526.48889	530.59246	522.38531	1.10227	ug/L	09/18/10	16:39	
60986-1SD	Se	2148.38574	2153.62182	2143.14941	0.34468	ug/L	09/18/10	16:39	
60986-1SD	Sb	517.68908	517.70440	517.67376	0.00418	ug/L	09/18/10	16:39	
60986-1SD	Sn	1063.28417	1066.77502	1059.79321	0.46430	ug/L	09/18/10	16:39	
60986-1SD	Sr	686.60168	688.14544	685.05798	0.31796	ug/L	09/18/10	16:39	
60986-1SD	Ti	729.27673	729.87329	728.68017	0.11568	ug/L	09/18/10	16:39	
60986-1SD	Tl	2219.42333	2221.62109	2217.22558	0.14004	ug/L	09/18/10	16:39	
60986-1SD	V	511.24548	512.46240	510.02856	0.33662	ug/L	09/18/10	16:39	
60986-1SD	Zn	587.38366	588.37023	586.39709	0.23753	ug/L	09/18/10	16:39	
60986-1SD	2203/1	509.88787	518.24835	501.52740	2.31884	ug/L	09/18/10	16:39	
60986-1SD	2203/2	534.77697	536.75531	532.79864	0.52316	ug/L	09/18/10	16:39	
60986-1SD	1960/1	2058.85107	2083.76684	2033.93530	1.71145	ug/L	09/18/10	16:39	
60986-1SD	1960/2	2193.08520	2188.49633	2197.67407	0.29591	ug/L	09/18/10	16:39	
60986-1SD	Y	1002.64923	1000.54528	1004.75317	0.29675		09/18/10	16:39	
60994-1	Ag	0.56040	1.19249	-0.07167	159.50875	ug/L	09/18/10	16:44	
60994-1	Al	1314.11401	1319.89050	1308.33764	0.62164	ug/L	09/18/10	16:44	
60994-1	2Al	1.31424	1.32002	1.30846	0.62164	mg/L	09/18/10	16:44	
60994-1	As	-1.51205	-2.39619	-0.62791	82.69300	ug/L	09/18/10	16:44	
60994-1	B	11.43516	12.64774	10.22258	14.99624	ug/L	09/18/10	16:44	
60994-1	Ba	137.20979	137.36119	137.05839	0.15604	ug/L	09/18/10	16:44	
60994-1	Be	0.17023	0.16404	0.17641	5.13745	ug/L	09/18/10	16:44	
60994-1	Ca	57006.54687	57004.62109	57008.46875	0.00477	ug/L	09/18/10	16:44	
60994-1	Cd	-0.13820	-0.08128	-0.19513	58.24878	ug/L	09/18/10	16:44	
60994-1	Co	8.17494	8.25263	8.09725	1.34401	ug/L	09/18/10	16:44	
60994-1	Cr	5.52833	5.44576	5.61090	2.11221	ug/L	09/18/10	16:44	
60994-1	Cu	3.46542	3.53460	3.39625	2.82287	ug/L	09/18/10	16:44	
60994-1	Fe	4337.59082	4361.92382	4313.25732	0.79335	ug/L	09/18/10	16:44	
60994-1	2Fe	4.33727	4.36160	4.31294	0.79335	mg/L	09/18/10	16:44	
60994-1	K	3303.54296	3316.49609	3290.59008	0.55450	ug/L	09/18/10	16:44	
60994-1	Mg	9058.31250	9057.00683	9059.61816	0.02038	ug/L	09/18/10	16:44	
60994-1	2Mg	9.05747	9.05616	9.05878	0.02042	mg/L	09/18/10	16:44	
60994-1	Mn	5421.69628	5424.11621	5419.27587	0.06312	ug/L	09/18/10	16:44	
60994-1	Mo	2.02318	3.40134	0.64502	96.33382	ug/L	09/18/10	16:44	
60994-1	Na	11105.31250	11013.71191	11196.91308	1.16649	ug/L	09/18/10	16:44	
60994-1	Ni	1.79006	3.12671	0.45341	105.59974	ug/L	09/18/10	16:44	
60994-1	Pb	8.86150	7.49329	10.22972	21.83546	ug/L	09/18/10	16:44	
60994-1	Se	7.20448	9.33705	5.07192	41.86149	ug/L	09/18/10	16:44	
60994-1	Sb	-0.80474	1.24964	-2.85913	361.02774	ug/L	09/18/10	16:44	
60994-1	Sn	-1.79316	-3.71024	0.12390	151.19367	ug/L	09/18/10	16:44	
60994-1	Sr	225.47558	225.59368	225.35748	0.07407	ug/L	09/18/10	16:44	
60994-1	Ti	55.93823	55.82551	56.05095	0.28496	ug/L	09/18/10	16:44	
60994-1	Tl	0.52419	1.06657	-0.01817	146.32575	ug/L	09/18/10	16:44	
60994-1	V	3.40963	3.85552	2.96374	18.49428	ug/L	09/18/10	16:44	
60994-1	Zn	117.27575	117.48126	117.07024	0.24782	ug/L	09/18/10	16:44	
60994-1	2203/1	10.01640	12.54044	7.49237	35.63679	ug/L	09/18/10	16:44	
60994-1	2203/2	8.28494	4.97353	11.59635	56.52466	ug/L	09/18/10	16:44	
60994-1	1960/1	1.36770	2.77330	-0.03788	145.33833	ug/L	09/18/10	16:44	
60994-1	1960/2	10.11850	12.61401	7.62299	34.87854	ug/L	09/18/10	16:44	
60994-1	Y	1008.11419	1009.60705	1006.62133	0.20942		09/18/10	16:44	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60994-1L	Ag	-0.07199	-0.30594	0.16195	459.55993	ug/L	09/18/10	16:49	
60994-1L	Al	457.76974	428.56515	486.97433	9.02233	ug/L	09/18/10	16:49	
60994-1L	2Al	0.45781	0.42860	0.48702	9.02233	mg/L	09/18/10	16:49	
60994-1L	As	-1.29490	-1.08704	-1.50276	22.70099	ug/L	09/18/10	16:49	
60994-1L	B	5.61688	4.88429	6.34946	18.44496	ug/L	09/18/10	16:49	
60994-1L	Ba	28.26550	28.59258	27.93843	1.63646	ug/L	09/18/10	16:49	
60994-1L	Be	0.04551	0.02830	0.06272	53.48465	ug/L	09/18/10	16:49	
60994-1L	Ca	11282.86718	11448.05859	11117.67675	2.07053	ug/L	09/18/10	16:49	
60994-1L	Cd	-0.12384	-0.19010	-0.05757	75.66912	ug/L	09/18/10	16:49	
60994-1L	Co	1.43395	0.96931	1.89858	45.82374	ug/L	09/18/10	16:49	
60994-1L	Cr	0.93957	0.60815	1.27100	49.88423	ug/L	09/18/10	16:49	
60994-1L	Cu	-0.81771	-1.05768	-0.57774	41.50232	ug/L	09/18/10	16:49	
60994-1L	Fe	825.59741	846.61932	804.57556	3.60095	ug/L	09/18/10	16:49	
60994-1L	2Fe	0.82553	0.84655	0.80451	3.60091	mg/L	09/18/10	16:49	
60994-1L	K	611.57019	619.63360	603.50683	1.86460	ug/L	09/18/10	16:49	
60994-1L	Mg	1868.85339	1884.89636	1852.81042	1.21401	ug/L	09/18/10	16:49	
60994-1L	2Mg	1.86865	1.88470	1.85261	1.21432	mg/L	09/18/10	16:49	
60994-1L	Mn	1041.49755	1064.21826	1018.77697	3.08515	ug/L	09/18/10	16:49	
60994-1L	Mo	-0.80487	0.64335	-2.25310	254.46356	ug/L	09/18/10	16:49	
60994-1L	Na	1932.28271	2208.88452	1655.68090	20.24414	ug/L	09/18/10	16:49	
60994-1L	Ni	1.01262	1.22459	0.80066	29.60298	ug/L	09/18/10	16:49	
60994-1L	Pb	2.90814	2.19895	3.61732	34.48735	ug/L	09/18/10	16:49	
60994-1L	Se	4.22379	5.61713	2.83045	46.65179	ug/L	09/18/10	16:49	
60994-1L	Sb	-2.01873	-4.65681	0.61935	184.81010	ug/L	09/18/10	16:49	
60994-1L	Sn	-0.78197	-1.19131	-0.37263	74.02981	ug/L	09/18/10	16:49	
60994-1L	Sr	44.17890	44.99130	43.36649	2.60059	ug/L	09/18/10	16:49	
60994-1L	Ti	20.59697	19.37375	21.82020	8.39880	ug/L	09/18/10	16:49	
60994-1L	Tl	-0.40607	1.18531	-1.99746	554.22644	ug/L	09/18/10	16:49	
60994-1L	V	1.62711	0.89236	2.36186	63.86106	ug/L	09/18/10	16:49	
60994-1L	Zn	36.93984	36.07038	37.80929	3.32864	ug/L	09/18/10	16:49	
60994-1L	2203/1	7.25776	6.76257	7.75295	9.64907	ug/L	09/18/10	16:49	
60994-1L	2203/2	0.73658	-0.07943	1.55261	156.67263	ug/L	09/18/10	16:49	
60994-1L	1960/1	0.94680	4.37573	-2.48212	512.16687	ug/L	09/18/10	16:49	
60994-1L	1960/2	5.85983	6.23690	5.48276	9.10016	ug/L	09/18/10	16:49	
60994-1L	Y	1010.24426	1009.58953	1010.89904	0.09165		09/18/10	16:49	
CCV	Ag	491.80697	492.79940	490.81454	0.28537	ug/L	09/18/10	16:54	
CCV	Al	4770.57714	4777.10205	4764.05273	0.19342	ug/L	09/18/10	16:54	
CCV	2Al	4.77080	4.77733	4.76428	0.19342	mg/L	09/18/10	16:54	
CCV	As	505.71911	510.93478	500.50344	1.45853	ug/L	09/18/10	16:54	
CCV	B	5027.79492	5027.46484	5028.12451	0.00927	ug/L	09/18/10	16:54	
CCV	Ba	4985.12109	4986.62304	4983.61962	0.04260	ug/L	09/18/10	16:54	
CCV	Be	505.85186	505.91491	505.78881	0.01762	ug/L	09/18/10	16:54	
CCV	Ca	4905.59277	4910.29785	4900.88818	0.13563	ug/L	09/18/10	16:54	
CCV	Cd	516.10156	516.40783	515.79522	0.08393	ug/L	09/18/10	16:54	
CCV	Co	494.63793	495.70678	493.56909	0.30559	ug/L	09/18/10	16:54	
CCV	Cr	5033.79589	5036.70263	5030.88867	0.08166	ug/L	09/18/10	16:54	
CCV	Cu	4874.65673	4880.16259	4869.15087	0.15973	ug/L	09/18/10	16:54	
CCV	Fe	4898.78417	4916.96728	4880.60107	0.52492	ug/L	09/18/10	16:54	
CCV	2Fe	4.89904	4.91722	4.88085	0.52489	mg/L	09/18/10	16:54	
CCV	K	9776.67871	9772.04199	9781.31542	0.06707	ug/L	09/18/10	16:54	
CCV	Mg	4949.36035	4955.66162	4943.05957	0.18004	ug/L	09/18/10	16:54	
CCV	2Mg	4.94939	4.95569	4.94309	0.17995	mg/L	09/18/10	16:54	
CCV	Mn	5005.30126	5009.37353	5001.22900	0.11505	ug/L	09/18/10	16:54	
CCV	Mo	515.60400	516.19781	515.01025	0.16286	ug/L	09/18/10	16:54	
CCV	Na	7289.87597	7041.18164	7538.56982	4.82458	ug/L	09/18/10	16:54	
CCV	Ni	2520.11279	2521.71020	2518.51513	0.08964	ug/L	09/18/10	16:54	
CCV	Pb	510.02062	511.43954	508.60168	0.39344	ug/L	09/18/10	16:54	
CCV	Se	5121.23779	5114.29296	5128.18261	0.19177	ug/L	09/18/10	16:54	
CCV	Sb	493.47052	496.74688	490.19415	0.93895	ug/L	09/18/10	16:54	
CCV	Sn	5036.55078	5045.48095	5027.62109	0.25074	ug/L	09/18/10	16:54	
CCV	Sr	2603.22363	2605.77294	2600.67431	0.13849	ug/L	09/18/10	16:54	
CCV	Ti	496.69073	496.70825	496.67318	0.00499	ug/L	09/18/10	16:54	
CCV	Tl	5166.47998	5165.62451	5167.33544	0.02341	ug/L	09/18/10	16:54	
CCV	V	4903.35009	4911.75146	4894.94873	0.24231	ug/L	09/18/10	16:54	
CCV	Zn	2483.90625	2486.95654	2480.85620	0.17366	ug/L	09/18/10	16:54	
CCV	2203/1	498.31146	499.11437	497.50854	0.22786	ug/L	09/18/10	16:54	
CCV	2203/2	515.86218	517.58868	514.13562	0.47332	ug/L	09/18/10	16:54	
CCV	1960/1	4956.68066	4961.02636	4952.33544	0.12398	ug/L	09/18/10	16:54	
CCV	1960/2	5203.39257	5190.81103	5215.97412	0.34194	ug/L	09/18/10	16:54	
CCV	Y	1002.55755	1002.64923	1002.46588	0.01293		09/18/10	16:54	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.41096	0.75781	0.06411	119.35689	ug/L	09/18/10	16:59	
CCB	Al	15.21551	15.72655	14.70446	4.74990	ug/L	09/18/10	16:59	
CCB	2Al	0.01521	0.01572	0.01470	4.74985	mg/L	09/18/10	16:59	
CCB	As	-3.14430	-5.09833	-1.19026	87.88659	ug/L	09/18/10	16:59	
CCB	B	15.52016	18.81474	12.22558	30.02056	ug/L	09/18/10	16:59	
CCB	Ba	0.50402	0.26650	0.74153	66.64276	ug/L	09/18/10	16:59	
CCB	Be	0.05240	0.01659	0.08822	96.64739	ug/L	09/18/10	16:59	
CCB	Ca	-1.65484	-1.96429	-1.34538	26.44589	ug/L	09/18/10	16:59	
CCB	Cd	-0.12391	-0.07929	-0.16852	50.91898	ug/L	09/18/10	16:59	
CCB	Co	-0.70820	-0.57624	-0.84015	26.35030	ug/L	09/18/10	16:59	
CCB	Cr	-0.11951	-0.71574	0.47671	705.54071	ug/L	09/18/10	16:59	
CCB	Cu	-1.49522	-1.82075	-1.16969	30.78973	ug/L	09/18/10	16:59	
CCB	Fe	-7.53995	-2.05378	-13.02611	102.89994	ug/L	09/18/10	16:59	
CCB	2Fe	-0.00753	-0.00205	-0.01302	102.89799	mg/L	09/18/10	16:59	
CCB	K	-10.59775	3.76358	-24.95909	191.64445	ug/L	09/18/10	16:59	
CCB	Mg	0.00406	-3.92851	3.93663	136945.57812	ug/L	09/18/10	16:59	
CCB	2Mg	0.00000	-0.00392	0.00393	98968.84375	mg/L	09/18/10	16:59	
CCB	Mn	0.51080	-0.04072	1.06234	152.69653	ug/L	09/18/10	16:59	
CCB	Mo	0.80543	0.77425	0.83661	5.47517	ug/L	09/18/10	16:59	
CCB	Na	-226.67581	-189.90405	-263.44757	22.94162	ug/L	09/18/10	16:59	
CCB	Ni	1.75542	1.31308	2.19776	35.63587	ug/L	09/18/10	16:59	
CCB	Pb	-0.79780	-1.41758	-0.17802	109.86383	ug/L	09/18/10	16:59	
CCB	Se	4.55214	4.17422	4.93005	11.74070	ug/L	09/18/10	16:59	
CCB	Sb	1.12085	0.89241	1.34930	28.82369	ug/L	09/18/10	16:59	
CCB	Sn	-1.36037	-1.17027	-1.55046	19.76159	ug/L	09/18/10	16:59	
CCB	Sr	0.19132	0.00515	0.37748	137.61097	ug/L	09/18/10	16:59	
CCB	Ti	-0.00130	-0.08526	0.08265	9086.45019	ug/L	09/18/10	16:59	
CCB	Tl	9.19132	9.36322	9.01943	2.64485	ug/L	09/18/10	16:59	
CCB	V	0.50831	0.28954	0.72709	60.86506	ug/L	09/18/10	16:59	
CCB	Zn	15.44324	15.30520	15.58128	1.26407	ug/L	09/18/10	16:59	
CCB	2203/1	0.69376	0.31721	1.07030	76.75728	ug/L	09/18/10	16:59	
CCB	2203/2	-1.54247	-2.28368	-0.80125	67.95826	ug/L	09/18/10	16:59	
CCB	1960/1	4.12377	5.57056	2.67698	49.61641	ug/L	09/18/10	16:59	
CCB	1960/2	4.76600	3.47710	6.05490	38.24544	ug/L	09/18/10	16:59	
CCB	Y	1029.79516	1024.86706	1034.72326	0.67677		09/18/10	16:59	
60994-1A	Ag	47.61970	48.09744	47.14196	1.41878	ug/L	09/18/10	17:05	
60994-1A	Al	3069.04223	3068.50244	3069.58203	0.02487	ug/L	09/18/10	17:05	
60994-1A	2Al	3.06934	3.06880	3.06988	0.02487	mg/L	09/18/10	17:05	
60994-1A	As	1936.21508	1932.44030	1939.98986	0.27571	ug/L	09/18/10	17:05	
60994-1A	B	1021.36828	1018.43487	1024.30163	0.40616	ug/L	09/18/10	17:05	
60994-1A	Ba	2063.23803	2061.50781	2064.96826	0.11859	ug/L	09/18/10	17:05	
60994-1A	Be	49.36634	49.27251	49.46017	0.26878	ug/L	09/18/10	17:05	
60994-1A	Ca	60297.83593	60196.73437	60398.94140	0.23712	ug/L	09/18/10	17:05	
60994-1A	Cd	49.63000	49.81018	49.44982	0.51342	ug/L	09/18/10	17:05	
60994-1A	Co	484.07733	482.10977	486.04492	0.57481	ug/L	09/18/10	17:05	
60994-1A	Cr	200.30961	199.95751	200.66171	0.24858	ug/L	09/18/10	17:05	
60994-1A	Cu	237.51870	237.28285	237.75457	0.14043	ug/L	09/18/10	17:05	
60994-1A	Fe	5133.15283	5121.77734	5144.52832	0.31340	ug/L	09/18/10	17:05	
60994-1A	2Fe	5.13297	5.12160	5.14435	0.31341	mg/L	09/18/10	17:05	
60994-1A	K	8337.30859	8333.74804	8340.87011	0.06040	ug/L	09/18/10	17:05	
60994-1A	Mg	13788.58984	13766.31835	13810.86035	0.22842	ug/L	09/18/10	17:05	
60994-1A	2Mg	13.78642	13.76415	13.80868	0.22840	mg/L	09/18/10	17:05	
60994-1A	Mn	5736.46777	5728.30712	5744.62792	0.20117	ug/L	09/18/10	17:05	
60994-1A	Mo	502.24777	502.04965	502.44589	0.05578	ug/L	09/18/10	17:05	
60994-1A	Na	15823.03125	15743.68945	15902.37207	0.70912	ug/L	09/18/10	17:05	
60994-1A	Ni	481.60876	480.49313	482.72439	0.32759	ug/L	09/18/10	17:05	
60994-1A	Pb	488.81103	490.33905	487.28298	0.44208	ug/L	09/18/10	17:05	
60994-1A	Se	1986.28723	1986.19799	1986.37646	0.00635	ug/L	09/18/10	17:05	
60994-1A	Sb	470.97534	472.27835	469.67230	0.39126	ug/L	09/18/10	17:05	
60994-1A	Sn	1013.34204	1011.07849	1015.60565	0.31590	ug/L	09/18/10	17:05	
60994-1A	Sr	742.76391	741.92449	743.60327	0.15981	ug/L	09/18/10	17:05	
60994-1A	Ti	1032.80322	1031.26599	1034.34057	0.21050	ug/L	09/18/10	17:05	
60994-1A	Tl	2024.85595	2016.87500	2032.83703	0.55741	ug/L	09/18/10	17:05	
60994-1A	V	472.74554	471.73400	473.75708	0.30259	ug/L	09/18/10	17:05	
60994-1A	Zn	594.01318	593.24603	594.78027	0.18263	ug/L	09/18/10	17:05	
60994-1A	2203/1	477.25195	479.05096	475.45294	0.53309	ug/L	09/18/10	17:05	
60994-1A	2203/2	494.58187	495.97463	493.18911	0.39824	ug/L	09/18/10	17:05	
60994-1A	1960/1	1921.10852	1924.30017	1917.91687	0.23495	ug/L	09/18/10	17:05	
60994-1A	1960/2	2018.82763	2017.10046	2020.55493	0.12099	ug/L	09/18/10	17:05	
60994-1A	Y	1013.08593	1013.84106	1012.33081	0.10541		09/18/10	17:05	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60944-2	Ag	-0.16730	-0.54602	0.21140	320.11660	ug/L	09/18/10	17:10	
60944-2	Al	8676.28515	8686.59375	8665.97656	0.16802	ug/L	09/18/10	17:10	
60944-2	2Al	8.67624	8.68645	8.66603	0.16637	mg/L	09/18/10	17:10	
60944-2	As	3.94223	4.44469	3.43976	18.02506	ug/L	09/18/10	17:10	
60944-2	B	61.43155	60.88675	61.97635	1.25418	ug/L	09/18/10	17:10	
60944-2	Ba	208.84373	209.28988	208.39758	0.30211	ug/L	09/18/10	17:10	
60944-2	Be	-0.01877	-0.03129	-0.00624	94.35250	ug/L	09/18/10	17:10	
60944-2	Ca	16981.23437	17009.91796	16952.54882	0.23888	ug/L	09/18/10	17:10	
60944-2	Cd	0.04181	-0.02365	0.10728	221.43424	ug/L	09/18/10	17:10	
60944-2	Co	12.10736	11.99787	12.21685	1.27886	ug/L	09/18/10	17:10	
60944-2	Cr	16.41392	16.43631	16.39153	0.19290	ug/L	09/18/10	17:10	
60944-2	Cu	106.95139	106.94029	106.96249	0.01467	ug/L	09/18/10	17:10	
60944-2	Fe	77.27946	77.04813	77.51080	0.42334	ug/L	09/18/10	17:10	
60944-2	2Fe	0.07728	0.07705	0.07751	0.42343	mg/L	09/18/10	17:10	
60944-2	K	716148.43750	718127.50000	714169.37500	0.39081	ug/L	09/18/10	17:10	
60944-2	Mg	5.39081	4.05787	6.72375	34.96813	ug/L	09/18/10	17:10	
60944-2	2Mg	0.00537	0.00404	0.00670	35.05051	mg/L	09/18/10	17:10	
60944-2	Mn	1.38898	1.45654	1.32142	6.87871	ug/L	09/18/10	17:10	
60944-2	Mo	66.13854	64.98086	67.29621	2.47541	ug/L	09/18/10	17:10	
60944-2	Na	1139752.00000	1140760.75000	1138743.37500	0.12515	ug/L	09/18/10	17:10	
60944-2	Ni	33.75554	33.55979	33.95129	0.82009	ug/L	09/18/10	17:10	
60944-2	Pb	3.23120	2.38529	4.07711	37.02326	ug/L	09/18/10	17:10	
60944-2	Se	15.05069	16.14177	13.95960	10.25219	ug/L	09/18/10	17:10	
60944-2	Sb	0.01208	-0.83708	0.86125	9936.41015	ug/L	09/18/10	17:10	
60944-2	Sn	80.12195	80.40528	79.83863	0.50009	ug/L	09/18/10	17:10	
60944-2	Sr	3407.56201	3412.53295	3402.59106	0.20630	ug/L	09/18/10	17:10	
60944-2	Ti	0.95066	0.96256	0.93875	1.77148	ug/L	09/18/10	17:10	
60944-2	Tl	5.38408	-0.84758	11.61575	163.68443	ug/L	09/18/10	17:10	
60944-2	V	61.99763	61.54297	62.45230	1.03712	ug/L	09/18/10	17:10	
60944-2	Zn	11.32491	11.17470	11.47512	1.87575	ug/L	09/18/10	17:10	
60944-2	2203/1	5.89871	3.12738	8.67003	66.44241	ug/L	09/18/10	17:10	
60944-2	2203/2	1.89945	2.01480	1.78409	8.58853	ug/L	09/18/10	17:10	
60944-2	1960/1	14.97166	15.51857	14.42475	5.16607	ug/L	09/18/10	17:10	
60944-2	1960/2	15.09015	16.45291	13.72738	12.77150	ug/L	09/18/10	17:10	
60944-2	Y	999.11791	995.55169	1002.68414	0.50478		09/18/10	17:10	
61012-1	Ag	0.30648	-0.95651	1.56949	582.78369	ug/L	09/18/10	17:15	
61012-1	Al	4623.71777	4674.38476	4573.05078	1.54970	ug/L	09/18/10	17:15	
61012-1	2Al	4.62407	4.67464	4.57350	1.54674	mg/L	09/18/10	17:15	
61012-1	As	0.16757	1.20721	-0.87207	877.40856	ug/L	09/18/10	17:15	
61012-1	B	17.99152	17.08116	18.90188	7.15582	ug/L	09/18/10	17:15	
61012-1	Ba	669.48999	676.64776	662.33215	1.51199	ug/L	09/18/10	17:15	
61012-1	Be	1.39929	1.38735	1.41124	1.20721	ug/L	09/18/10	17:15	
61012-1	Ca	544.07275	549.94219	538.20336	1.52564	ug/L	09/18/10	17:15	
61012-1	Cd	-0.10826	-0.34006	0.12353	302.79208	ug/L	09/18/10	17:15	
61012-1	Co	1.04516	1.03162	1.05870	1.83237	ug/L	09/18/10	17:15	
61012-1	Cr	12.54728	12.24044	12.85413	3.45848	ug/L	09/18/10	17:15	
61012-1	Cu	0.30273	0.11797	0.48749	86.30970	ug/L	09/18/10	17:15	
61012-1	Fe	5556.87402	5593.43994	5520.30810	0.93059	ug/L	09/18/10	17:15	
61012-1	2Fe	5.55646	5.59302	5.51990	0.93059	mg/L	09/18/10	17:15	
61012-1	K	553.25573	522.27490	584.23663	7.91922	ug/L	09/18/10	17:15	
61012-1	Mg	1458.19897	1471.48095	1444.91687	1.28814	ug/L	09/18/10	17:15	
61012-1	2Mg	1.45681	1.47008	1.44354	1.28838	mg/L	09/18/10	17:15	
61012-1	Mn	5.64011	5.71983	5.56039	1.99896	ug/L	09/18/10	17:15	
61012-1	Mo	-1.08163	-2.17196	0.00870	142.55895	ug/L	09/18/10	17:15	
61012-1	Na	27264.01562	27356.44921	27171.58007	0.47946	ug/L	09/18/10	17:15	
61012-1	Ni	1.44484	1.25957	1.63012	18.13478	ug/L	09/18/10	17:15	
61012-1	Pb	7.79902	9.25065	6.34740	26.32263	ug/L	09/18/10	17:15	
61012-1	Se	6.94252	6.36433	7.52071	11.77788	ug/L	09/18/10	17:15	
61012-1	Sb	-0.92182	-3.69126	1.84762	424.87478	ug/L	09/18/10	17:15	
61012-1	Sn	2.16045	1.04142	3.27949	73.25083	ug/L	09/18/10	17:15	
61012-1	Sr	704.60290	712.91210	696.29376	1.66774	ug/L	09/18/10	17:15	
61012-1	Ti	30.27585	30.57432	29.97738	1.39418	ug/L	09/18/10	17:15	
61012-1	Tl	4.25090	1.24441	7.25740	100.02167	ug/L	09/18/10	17:15	
61012-1	V	12.86860	12.74996	12.98724	1.30376	ug/L	09/18/10	17:15	
61012-1	Zn	6.05947	5.93576	6.18319	2.88741	ug/L	09/18/10	17:15	
61012-1	2203/1	9.41244	8.54997	10.27491	12.95857	ug/L	09/18/10	17:15	
61012-1	2203/2	6.99353	9.60047	4.38659	52.71686	ug/L	09/18/10	17:15	
61012-1	1960/1	5.26914	4.82257	5.71570	11.98563	ug/L	09/18/10	17:15	
61012-1	1960/2	7.77796	7.13405	8.42186	11.70762	ug/L	09/18/10	17:15	
61012-1	Y	1025.90161	1015.62200	1036.18115	1.41704		09/18/10	17:15	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61012-2	Ag	0.39073	0.43675	0.34472	16.65533	ug/L	09/18/10	17:20	
61012-2	Al	940.45422	947.11682	933.79156	1.00189	ug/L	09/18/10	17:20	
61012-2	2Al	0.94054	0.94721	0.93388	1.00189	mg/L	09/18/10	17:20	
61012-2	As	-3.58454	-1.41423	-5.75486	85.62548	ug/L	09/18/10	17:20	
61012-2	B	33.49642	34.71145	32.28139	5.12983	ug/L	09/18/10	17:20	
61012-2	Ba	98.91194	98.70251	99.12138	0.29944	ug/L	09/18/10	17:20	
61012-2	Be	0.20880	0.22910	0.18850	13.74828	ug/L	09/18/10	17:20	
61012-2	Ca	12797.89648	12793.83203	12801.96093	0.04491	ug/L	09/18/10	17:20	
61012-2	Cd	0.31177	0.38047	0.24307	31.16322	ug/L	09/18/10	17:20	
61012-2	Co	-0.21224	0.51016	-0.93465	481.35684	ug/L	09/18/10	17:20	
61012-2	Cr	2.33243	2.82387	1.84099	29.79739	ug/L	09/18/10	17:20	
61012-2	Cu	-0.64388	0.02595	-1.31373	147.12249	ug/L	09/18/10	17:20	
61012-2	Fe	1338.50317	1349.83227	1327.17407	1.19699	ug/L	09/18/10	17:20	
61012-2	2Fe	1.33840	1.34973	1.32707	1.19700	mg/L	09/18/10	17:20	
61012-2	K	1376.49511	1386.07629	1366.91381	0.98437	ug/L	09/18/10	17:20	
61012-2	Mg	2503.93383	2503.82177	2504.04589	0.00632	ug/L	09/18/10	17:20	
61012-2	2Mg	2.50299	2.50287	2.50310	0.00642	mg/L	09/18/10	17:20	
61012-2	Mn	2.12105	2.20284	2.03925	5.45355	ug/L	09/18/10	17:20	
61012-2	Mo	-1.25077	-2.01932	-0.48221	86.89830	ug/L	09/18/10	17:20	
61012-2	Na	5863.62695	6007.70947	5719.54492	3.47503	ug/L	09/18/10	17:20	
61012-2	Ni	0.82148	1.00800	0.63497	32.10956	ug/L	09/18/10	17:20	
61012-2	Pb	2.62913	2.82507	2.43318	10.53992	ug/L	09/18/10	17:20	
61012-2	Se	2.44056	3.83679	1.04433	80.90632	ug/L	09/18/10	17:20	
61012-2	Sb	-0.79342	-0.50979	-1.07705	50.55449	ug/L	09/18/10	17:20	
61012-2	Sn	1.90094	1.36077	2.44111	40.18590	ug/L	09/18/10	17:20	
61012-2	Sr	135.05369	134.87200	135.23538	0.19025	ug/L	09/18/10	17:20	
61012-2	Ti	5.16036	5.28120	5.03951	3.31173	ug/L	09/18/10	17:20	
61012-2	Tl	4.62822	5.22691	4.02953	18.29369	ug/L	09/18/10	17:20	
61012-2	V	3.92762	3.97683	3.87841	1.77195	ug/L	09/18/10	17:20	
61012-2	Zn	4.22901	4.70921	3.74881	16.05825	ug/L	09/18/10	17:20	
61012-2	2203/1	5.58673	4.08415	7.08931	38.03594	ug/L	09/18/10	17:20	
61012-2	2203/2	1.15254	2.19647	0.10860	128.09463	ug/L	09/18/10	17:20	
61012-2	1960/1	4.67919	4.96566	4.39273	8.65791	ug/L	09/18/10	17:20	
61012-2	1960/2	1.32292	3.27321	-0.62735	208.48629	ug/L	09/18/10	17:20	
61012-2	Y	1020.86871	1021.45361	1020.28381	0.08102		09/18/10	17:20	
61012-9	Ag	-0.16051	-0.20238	-0.11863	36.89113	ug/L	09/18/10	17:25	
61012-9	Al	29649.88476	29689.01562	29610.75390	0.18664	ug/L	09/18/10	17:25	
61012-9	2Al	29.65183	29.69088	29.61278	0.18624	mg/L	09/18/10	17:25	
61012-9	As	1.74155	2.45028	1.03282	57.55206	ug/L	09/18/10	17:25	
61012-9	B	25.49111	24.76239	26.21982	4.04282	ug/L	09/18/10	17:25	
61012-9	Ba	2686.64599	2686.35888	2686.93310	0.01511	ug/L	09/18/10	17:25	
61012-9	Be	6.89327	6.88275	6.90379	0.21584	ug/L	09/18/10	17:25	
61012-9	Ca	2784.07226	2784.78442	2783.36035	0.03616	ug/L	09/18/10	17:25	
61012-9	Cd	-0.76687	-0.83205	-0.70169	12.01987	ug/L	09/18/10	17:25	
61012-9	Co	2.01546	2.81483	1.21608	56.09068	ug/L	09/18/10	17:25	
61012-9	Cr	84.75910	84.87985	84.63836	0.20146	ug/L	09/18/10	17:25	
61012-9	Cu	4.15700	4.31383	4.00017	5.33535	ug/L	09/18/10	17:25	
61012-9	Fe	31355.88281	31338.89843	31372.86523	0.07659	ug/L	09/18/10	17:25	
61012-9	2Fe	31.35265	31.33567	31.36963	0.07660	mg/L	09/18/10	17:25	
61012-9	K	2828.90869	2819.93505	2837.88256	0.44861	ug/L	09/18/10	17:25	
61012-9	Mg	3446.01464	3444.26489	3447.76464	0.07181	ug/L	09/18/10	17:25	
61012-9	2Mg	3.43953	3.43779	3.44128	0.07181	mg/L	09/18/10	17:25	
61012-9	Mn	19.09073	19.02930	19.15217	0.45512	ug/L	09/18/10	17:25	
61012-9	Mo	0.04506	-0.74443	0.83455	2477.83789	ug/L	09/18/10	17:25	
61012-9	Na	9548.40820	9513.79003	9583.02734	0.51273	ug/L	09/18/10	17:25	
61012-9	Ni	3.62603	3.29933	3.95272	12.74184	ug/L	09/18/10	17:25	
61012-9	Pb	74.71517	75.75617	73.67418	1.97039	ug/L	09/18/10	17:25	
61012-9	Se	4.56842	2.45840	6.67843	65.31828	ug/L	09/18/10	17:25	
61012-9	Sb	1.82922	-0.08238	3.74083	147.79039	ug/L	09/18/10	17:25	
61012-9	Sn	1.01656	-0.57411	2.60724	221.29042	ug/L	09/18/10	17:25	
61012-9	Sr	3052.99267	3053.14819	3052.83691	0.00720	ug/L	09/18/10	17:25	
61012-9	Ti	136.71377	136.88049	136.54704	0.17246	ug/L	09/18/10	17:25	
61012-9	Tl	2.76503	-0.11691	5.64699	147.40138	ug/L	09/18/10	17:25	
61012-9	V	80.70626	81.15689	80.25564	0.78963	ug/L	09/18/10	17:25	
61012-9	Zn	13.27087	13.50514	13.03660	2.49649	ug/L	09/18/10	17:25	
61012-9	2203/1	78.84497	79.64475	78.04520	1.43452	ug/L	09/18/10	17:25	
61012-9	2203/2	72.65338	73.81479	71.49195	2.26072	ug/L	09/18/10	17:25	
61012-9	1960/1	2.13457	0.40443	3.86471	114.62670	ug/L	09/18/10	17:25	
61012-9	1960/2	5.78352	3.48385	8.08319	56.23258	ug/L	09/18/10	17:25	
61012-9	Y	1130.47827	1129.09448	1131.86193	0.17310		09/18/10	17:25	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60994-1	Ag	0.60805	0.67833	0.53776	16.34684	ug/L	09/18/10	17:30	
60994-1	Al	34.06602	31.98454	36.14750	8.64104	ug/L	09/18/10	17:30	
60994-1	2Al	0.03406	0.03198	0.03615	8.64104	mg/L	09/18/10	17:30	
60994-1	As	-1.88435	-1.84203	-1.92666	3.17545	ug/L	09/18/10	17:30	
60994-1	B	7.26325	8.44825	6.07825	23.07285	ug/L	09/18/10	17:30	
60994-1	Ba	122.57130	122.63529	122.50730	0.07383	ug/L	09/18/10	17:30	
60994-1	Be	0.07190	0.06175	0.08204	19.95044	ug/L	09/18/10	17:30	
60994-1	Ca	56520.75781	56534.49218	56507.02343	0.03436	ug/L	09/18/10	17:30	
60994-1	Cd	-0.18134	-0.15785	-0.20483	18.32034	ug/L	09/18/10	17:30	
60994-1	Co	8.19558	7.99659	8.39456	3.43361	ug/L	09/18/10	17:30	
60994-1	Cr	1.18215	1.38540	0.97890	24.31449	ug/L	09/18/10	17:30	
60994-1	Cu	-0.97108	-0.95406	-0.98811	2.47935	ug/L	09/18/10	17:30	
60994-1	Fe	2318.51123	2318.90747	2318.11474	0.02417	ug/L	09/18/10	17:30	
60994-1	2Fe	2.31834	2.31873	2.31794	0.02417	mg/L	09/18/10	17:30	
60994-1	K	3065.66284	3058.64575	3072.67993	0.32370	ug/L	09/18/10	17:30	
60994-1	Mg	8786.82128	8786.33593	8787.30664	0.00781	ug/L	09/18/10	17:30	
60994-1	2Mg	8.78639	8.78590	8.78687	0.00781	mg/L	09/18/10	17:30	
60994-1	Mn	5368.02343	5368.83740	5367.20947	0.02144	ug/L	09/18/10	17:30	
60994-1	Mo	1.45827	1.77681	1.13973	30.89179	ug/L	09/18/10	17:30	
60994-1	Na	11127.12695	11014.55273	11239.70117	1.43077	ug/L	09/18/10	17:30	
60994-1	Ni	0.40457	0.21488	0.59426	66.30778	ug/L	09/18/10	17:30	
60994-1	Pb	-0.92037	-0.80435	-1.03640	17.82806	ug/L	09/18/10	17:30	
60994-1	Se	7.48515	4.56399	10.40632	55.19118	ug/L	09/18/10	17:30	
60994-1	Sb	-1.01774	-3.35274	1.31724	324.45977	ug/L	09/18/10	17:30	
60994-1	Sn	-1.82367	-1.72589	-1.92144	7.58207	ug/L	09/18/10	17:30	
60994-1	Sr	221.68684	221.84591	221.52777	0.10147	ug/L	09/18/10	17:30	
60994-1	Ti	0.44086	0.60769	0.27402	53.51846	ug/L	09/18/10	17:30	
60994-1	Tl	7.32321	9.39777	5.24864	40.06270	ug/L	09/18/10	17:30	
60994-1	V	0.11213	0.13575	0.08851	29.79286	ug/L	09/18/10	17:30	
60994-1	Zn	18.35552	18.21919	18.49184	1.05033	ug/L	09/18/10	17:30	
60994-1	2203/1	1.40517	1.73869	1.07165	33.56648	ug/L	09/18/10	17:30	
60994-1	2203/2	-2.08141	-2.07397	-2.08885	0.50563	ug/L	09/18/10	17:30	
60994-1	1960/1	6.75789	3.40541	10.11038	70.15686	ug/L	09/18/10	17:30	
60994-1	1960/2	7.84824	5.14241	10.55406	48.75757	ug/L	09/18/10	17:30	
60994-1	Y	1008.37170	1008.42846	1008.31500	0.00795		09/18/10	17:30	
60994-2	Ag	0.77735	0.12560	1.42910	118.57040	ug/L	09/18/10	17:35	
60994-2	Al	9151.75195	9163.97167	9139.53320	0.18882	ug/L	09/18/10	17:35	
60994-2	2Al	9.15224	9.16425	9.14023	0.18564	mg/L	09/18/10	17:35	
60994-2	As	5.52825	1.84215	9.21436	94.29618	ug/L	09/18/10	17:35	
60994-2	B	59.39138	59.05649	59.72626	0.79742	ug/L	09/18/10	17:35	
60994-2	Ba	193.93832	194.00462	193.87203	0.04834	ug/L	09/18/10	17:35	
60994-2	Be	-0.01058	-0.02066	-0.00050	134.62928	ug/L	09/18/10	17:35	
60994-2	Ca	16288.23730	16255.48632	16320.98828	0.28435	ug/L	09/18/10	17:35	
60994-2	Cd	0.12665	0.14506	0.10824	20.55886	ug/L	09/18/10	17:35	
60994-2	Co	11.68334	11.10856	12.25813	6.95748	ug/L	09/18/10	17:35	
60994-2	Cr	15.26090	15.14660	15.37520	1.05920	ug/L	09/18/10	17:35	
60994-2	Cu	111.58776	110.95021	112.22531	0.80800	ug/L	09/18/10	17:35	
60994-2	Fe	78.51965	78.43170	78.60758	0.15838	ug/L	09/18/10	17:35	
60994-2	2Fe	0.07852	0.07843	0.07861	0.15872	mg/L	09/18/10	17:35	
60994-2	K	730597.37500	732179.81250	729015.00000	0.30630	ug/L	09/18/10	17:35	
60994-2	Mg	8.26658	6.91592	9.61723	23.10645	ug/L	09/18/10	17:35	
60994-2	2Mg	0.00825	0.00690	0.00960	23.14378	mg/L	09/18/10	17:35	
60994-2	Mn	1.15665	1.10480	1.20850	6.33964	ug/L	09/18/10	17:35	
60994-2	Mo	68.37812	67.43220	69.32404	1.95637	ug/L	09/18/10	17:35	
60994-2	Na	1180754.50000	1180671.87500	1180837.00000	0.00988	ug/L	09/18/10	17:35	
60994-2	Ni	35.97885	35.71355	36.24416	1.04284	ug/L	09/18/10	17:35	
60994-2	Pb	2.48579	3.59265	1.37894	62.97071	ug/L	09/18/10	17:35	
60994-2	Se	8.52004	7.75403	9.28604	12.71467	ug/L	09/18/10	17:35	
60994-2	Sb	-1.92082	-6.28963	2.44797	321.65362	ug/L	09/18/10	17:35	
60994-2	Sn	89.05841	89.57542	88.54138	0.82100	ug/L	09/18/10	17:35	
60994-2	Sr	3298.62988	3298.28320	3298.97656	0.01486	ug/L	09/18/10	17:35	
60994-2	Ti	0.85610	0.72739	0.98480	21.26115	ug/L	09/18/10	17:35	
60994-2	Tl	2.51195	1.94955	3.07435	31.66262	ug/L	09/18/10	17:35	
60994-2	V	66.83380	66.75258	66.91503	0.17186	ug/L	09/18/10	17:35	
60994-2	Zn	10.56883	10.14445	10.99321	5.67864	ug/L	09/18/10	17:35	
60994-2	2203/1	6.73180	5.81654	7.64707	19.22783	ug/L	09/18/10	17:35	
60994-2	2203/2	0.36597	2.48237	-1.75041	817.81951	ug/L	09/18/10	17:35	
60994-2	1960/1	11.83065	8.56741	15.09390	39.00822	ug/L	09/18/10	17:35	
60994-2	1960/2	6.86721	7.34795	6.38646	9.90030	ug/L	09/18/10	17:35	
60994-2	Y	972.62237	967.79907	977.44567	0.70131		09/18/10	17:35	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	488.00128	489.51101	486.49157	0.43751	ug/L	09/18/10	17:41	
CCV	Al	4745.16699	4773.14111	4717.19335	0.83371	ug/L	09/18/10	17:41	
CCV	2Al	4.74549	4.77337	4.71761	0.83079	mg/L	09/18/10	17:41	
CCV	As	499.97094	502.93344	497.00848	0.83796	ug/L	09/18/10	17:41	
CCV	B	4989.91699	4996.52978	4983.30468	0.18740	ug/L	09/18/10	17:41	
CCV	Ba	4948.55322	4963.23193	4933.87451	0.41949	ug/L	09/18/10	17:41	
CCV	Be	504.63839	506.09982	503.17697	0.40955	ug/L	09/18/10	17:41	
CCV	Ca	4899.29345	4911.61425	4886.97265	0.35564	ug/L	09/18/10	17:41	
CCV	Cd	515.88024	517.72686	514.03369	0.50621	ug/L	09/18/10	17:41	
CCV	Co	494.00415	496.08779	491.92047	0.59650	ug/L	09/18/10	17:41	
CCV	Cr	5013.72460	5029.69189	4997.75683	0.45039	ug/L	09/18/10	17:41	
CCV	Cu	4852.69238	4872.47265	4832.91259	0.57644	ug/L	09/18/10	17:41	
CCV	Fe	4875.13281	4887.74365	4862.52246	0.36581	ug/L	09/18/10	17:41	
CCV	2Fe	4.87538	4.88800	4.86277	0.36583	mg/L	09/18/10	17:41	
CCV	K	9808.03515	9767.22167	9848.84960	0.58849	ug/L	09/18/10	17:41	
CCV	Mg	4956.64355	4983.91406	4929.37255	0.77808	ug/L	09/18/10	17:41	
CCV	2Mg	4.95666	4.98393	4.92940	0.77800	mg/L	09/18/10	17:41	
CCV	Mn	4981.64257	4998.06005	4965.22558	0.46606	ug/L	09/18/10	17:41	
CCV	Mo	512.88293	514.95843	510.80740	0.57229	ug/L	09/18/10	17:41	
CCV	Na	7393.28027	7198.11767	7588.44287	3.73314	ug/L	09/18/10	17:41	
CCV	Ni	2509.69677	2512.87792	2506.51586	0.17925	ug/L	09/18/10	17:41	
CCV	Pb	507.60412	506.75347	508.45474	0.23699	ug/L	09/18/10	17:41	
CCV	Se	5084.29003	5073.17578	5095.40380	0.30914	ug/L	09/18/10	17:41	
CCV	Sb	493.25399	491.84826	494.65972	0.40303	ug/L	09/18/10	17:41	
CCV	Sn	5015.44433	5028.91992	5001.96826	0.37998	ug/L	09/18/10	17:41	
CCV	Sr	2582.65112	2585.69580	2579.60644	0.16672	ug/L	09/18/10	17:41	
CCV	Ti	493.95404	495.47357	492.43453	0.43504	ug/L	09/18/10	17:41	
CCV	Tl	5134.66259	5151.58789	5117.73730	0.46616	ug/L	09/18/10	17:41	
CCV	V	4873.81494	4887.81396	4859.81591	0.40620	ug/L	09/18/10	17:41	
CCV	Zn	2495.60644	2505.99877	2485.21435	0.58890	ug/L	09/18/10	17:41	
CCV	2203/1	495.55871	493.51980	497.59759	0.58185	ug/L	09/18/10	17:41	
CCV	2203/2	513.61364	513.35626	513.87103	0.07086	ug/L	09/18/10	17:41	
CCV	1960/1	4928.18212	4923.16210	4933.20214	0.14405	ug/L	09/18/10	17:41	
CCV	1960/2	5162.22656	5148.07031	5176.38330	0.38782	ug/L	09/18/10	17:41	
CCV	Y	1008.44592	1005.61743	1011.27447	0.39666		09/18/10	17:41	
CCB	Ag	0.02233	-0.86337	0.90804	5607.29052	ug/L	09/18/10	17:46	
CCB	Al	30.49356	27.99941	32.98772	11.56724	ug/L	09/18/10	17:46	
CCB	2Al	0.03049	0.02800	0.03299	11.56724	mg/L	09/18/10	17:46	
CCB	As	-3.06168	-4.13700	-1.98637	49.66949	ug/L	09/18/10	17:46	
CCB	B	17.84218	19.75289	15.93147	15.14474	ug/L	09/18/10	17:46	
CCB	Ba	0.44897	-0.00003	0.89799	141.43388	ug/L	09/18/10	17:46	
CCB	Be	0.03090	0.00458	0.05722	120.43431	ug/L	09/18/10	17:46	
CCB	Ca	-3.84317	-5.67644	-2.00990	67.46061	ug/L	09/18/10	17:46	
CCB	Cd	-0.09762	-0.24347	0.04822	211.28353	ug/L	09/18/10	17:46	
CCB	Co	-0.13777	-0.68323	0.40769	559.91101	ug/L	09/18/10	17:46	
CCB	Cr	0.25506	-0.20537	0.71551	255.29385	ug/L	09/18/10	17:46	
CCB	Cu	-0.56493	-1.09775	-0.03210	133.38357	ug/L	09/18/10	17:46	
CCB	Fe	-12.76765	-13.24743	-12.28787	5.31430	ug/L	09/18/10	17:46	
CCB	2Fe	-0.01276	-0.01324	-0.01228	5.31768	mg/L	09/18/10	17:46	
CCB	K	14.91314	-22.52479	52.35108	355.02392	ug/L	09/18/10	17:46	
CCB	Mg	1.33407	-1.32485	3.99301	281.86566	ug/L	09/18/10	17:46	
CCB	2Mg	0.00133	-0.00132	0.00399	281.34506	mg/L	09/18/10	17:46	
CCB	Mn	0.64076	0.14912	1.13240	108.50846	ug/L	09/18/10	17:46	
CCB	Mo	-0.62533	-1.32827	0.07760	158.97187	ug/L	09/18/10	17:46	
CCB	Na	-54.34162	-69.48749	-39.19574	39.41638	ug/L	09/18/10	17:46	
CCB	Ni	-0.06609	-0.45841	0.32623	839.48663	ug/L	09/18/10	17:46	
CCB	Pb	2.03792	1.73793	2.33791	20.81756	ug/L	09/18/10	17:46	
CCB	Se	3.69161	-1.55072	8.93395	200.82759	ug/L	09/18/10	17:46	
CCB	Sb	-0.54864	-4.90456	3.80728	1122.81286	ug/L	09/18/10	17:46	
CCB	Sn	-0.54034	-2.63849	1.55779	549.12951	ug/L	09/18/10	17:46	
CCB	Sr	0.35391	0.01229	0.69553	136.50956	ug/L	09/18/10	17:46	
CCB	Ti	0.36451	0.34394	0.38507	7.97922	ug/L	09/18/10	17:46	
CCB	Tl	3.96777	2.33896	5.59658	58.05471	ug/L	09/18/10	17:46	
CCB	V	0.69067	-0.59186	1.97321	262.61203	ug/L	09/18/10	17:46	
CCB	Zn	0.83236	0.58768	1.07705	41.57298	ug/L	09/18/10	17:46	
CCB	2203/1	-0.62258	-4.48286	3.23769	876.86633	ug/L	09/18/10	17:46	
CCB	2203/2	3.36618	4.84367	1.88869	62.07281	ug/L	09/18/10	17:46	
CCB	1960/1	0.16549	-6.86613	7.19713	6008.65771	ug/L	09/18/10	17:46	
CCB	1960/2	5.45203	1.10300	9.80106	112.81034	ug/L	09/18/10	17:46	
CCB	Y	1014.36486	1015.69183	1013.03790	0.18500		09/18/10	17:46	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 179845	Ag	-0.42146	-0.95713	0.11421	179.74746	ug/L	09/18/10	17:51	
PBW 179845	Al	31.84058	28.74190	34.93927	13.76294	ug/L	09/18/10	17:51	
PBW 179845	2Al	0.03184	0.02874	0.03494	13.76288	mg/L	09/18/10	17:51	
PBW 179845	As	-1.16084	-1.94697	-0.37471	95.77118	ug/L	09/18/10	17:51	
PBW 179845	B	6.70807	6.18286	7.23327	11.07253	ug/L	09/18/10	17:51	
PBW 179845	Ba	0.04474	-0.07690	0.16639	384.47198	ug/L	09/18/10	17:51	
PBW 179845	Be	-0.00599	-0.00265	-0.00932	78.64763	ug/L	09/18/10	17:51	
PBW 179845	Ca	9.37203	9.12353	9.62053	3.74982	ug/L	09/18/10	17:51	
PBW 179845	Cd	-0.12130	0.02500	-0.26760	170.57044	ug/L	09/18/10	17:51	
PBW 179845	Co	-0.42562	-0.75838	-0.09285	110.56684	ug/L	09/18/10	17:51	
PBW 179845	Cr	0.40086	0.08866	0.71305	110.13964	ug/L	09/18/10	17:51	
PBW 179845	Cu	-1.30111	-1.33504	-1.26717	3.68887	ug/L	09/18/10	17:51	
PBW 179845	Fe	-9.18586	-13.24438	-5.12734	62.48314	ug/L	09/18/10	17:51	
PBW 179845	2Fe	-0.00918	-0.01324	-0.00512	62.48474	mg/L	09/18/10	17:51	
PBW 179845	K	-8.69387	-13.92501	-3.46272	85.09399	ug/L	09/18/10	17:51	
PBW 179845	Mg	2.65460	1.32672	3.98248	70.74131	ug/L	09/18/10	17:51	
PBW 179845	2Mg	0.00265	0.00132	0.00398	70.65954	mg/L	09/18/10	17:51	
PBW 179845	Mn	0.21621	0.13822	0.29421	51.01436	ug/L	09/18/10	17:51	
PBW 179845	Mo	-1.92711	-1.61082	-2.24340	23.21101	ug/L	09/18/10	17:51	
PBW 179845	Na	-239.97061	-188.01557	-291.92562	30.61854	ug/L	09/18/10	17:51	
PBW 179845	Ni	-0.03908	0.30738	-0.38556	1253.61779	ug/L	09/18/10	17:51	
PBW 179845	Pb	0.27494	0.74011	-0.19022	239.26466	ug/L	09/18/10	17:51	
PBW 179845	Se	3.29107	3.22928	3.35287	2.65548	ug/L	09/18/10	17:51	
PBW 179845	Sb	1.34883	-2.36536	5.06302	389.42352	ug/L	09/18/10	17:51	
PBW 179845	Sn	-0.64034	-1.39011	0.10942	165.58840	ug/L	09/18/10	17:51	
PBW 179845	Sr	0.14671	0.09102	0.20240	53.68359	ug/L	09/18/10	17:51	
PBW 179845	Ti	0.37501	0.38535	0.36468	3.89716	ug/L	09/18/10	17:51	
PBW 179845	Tl	2.61000	1.30545	3.91456	70.68627	ug/L	09/18/10	17:51	
PBW 179845	V	0.24726	-0.24624	0.74077	282.25534	ug/L	09/18/10	17:51	
PBW 179845	Zn	0.29282	0.21163	0.37400	39.20988	ug/L	09/18/10	17:51	
PBW 179845	2203/1	0.11204	-1.69814	1.92224	2284.71533	ug/L	09/18/10	17:51	
PBW 179845	2203/2	0.35627	1.95742	-1.24487	635.56945	ug/L	09/18/10	17:51	
PBW 179845	1960/1	-1.78021	-1.36218	-2.19824	33.20854	ug/L	09/18/10	17:51	
PBW 179845	1960/2	5.82292	5.52157	6.12427	7.31889	ug/L	09/18/10	17:51	
PBW 179845	Y	1014.99780	1014.87121	1015.12438	0.01763		09/18/10	17:51	
LCSW-1	Ag	50.51848	51.13915	49.89781	1.73749	ug/L	09/18/10	17:56	
LCSW-1	Al	1984.38110	1991.70214	1977.06018	0.52174	ug/L	09/18/10	17:56	
LCSW-1	2Al	1.98457	1.99189	1.97725	0.52174	mg/L	09/18/10	17:56	
LCSW-1	As	2095.76562	2100.19604	2091.33520	0.29896	ug/L	09/18/10	17:56	
LCSW-1	B	1071.15258	1072.02429	1070.28088	0.11508	ug/L	09/18/10	17:56	
LCSW-1	Ba	2092.97851	2097.92236	2088.03491	0.33404	ug/L	09/18/10	17:56	
LCSW-1	Be	52.60747	52.74581	52.46912	0.37191	ug/L	09/18/10	17:56	
LCSW-1	Ca	5156.96826	5166.18359	5147.75292	0.25271	ug/L	09/18/10	17:56	
LCSW-1	Cd	54.11897	54.20932	54.02862	0.23608	ug/L	09/18/10	17:56	
LCSW-1	Co	522.60772	523.49114	521.72430	0.23906	ug/L	09/18/10	17:56	
LCSW-1	Cr	212.49926	213.22572	211.77279	0.48347	ug/L	09/18/10	17:56	
LCSW-1	Cu	250.21237	250.33445	250.09028	0.06900	ug/L	09/18/10	17:56	
LCSW-1	Fe	1017.08630	1002.99523	1031.17736	1.95930	ug/L	09/18/10	17:56	
LCSW-1	2Fe	1.01723	1.00314	1.03131	1.95883	mg/L	09/18/10	17:56	
LCSW-1	K	5292.71289	5283.03125	5302.39453	0.25869	ug/L	09/18/10	17:56	
LCSW-1	Mg	5206.79443	5219.76611	5193.82275	0.35232	ug/L	09/18/10	17:56	
LCSW-1	2Mg	5.20538	5.21835	5.19241	0.35240	mg/L	09/18/10	17:56	
LCSW-1	Mn	523.25231	524.72180	521.78289	0.39715	ug/L	09/18/10	17:56	
LCSW-1	Mo	542.02368	543.77984	540.26745	0.45821	ug/L	09/18/10	17:56	
LCSW-1	Na	4969.38281	4893.99902	5044.76660	2.14531	ug/L	09/18/10	17:56	
LCSW-1	Ni	527.61627	527.75238	527.48016	0.03648	ug/L	09/18/10	17:56	
LCSW-1	Pb	526.81652	528.47662	525.15649	0.44563	ug/L	09/18/10	17:56	
LCSW-1	Se	2154.71923	2162.45825	2146.98046	0.50792	ug/L	09/18/10	17:56	
LCSW-1	Sb	511.89233	506.71646	517.06817	1.42994	ug/L	09/18/10	17:56	
LCSW-1	Sn	1050.30273	1050.40490	1050.20068	0.01374	ug/L	09/18/10	17:56	
LCSW-1	Sr	552.10888	553.02764	551.19012	0.23533	ug/L	09/18/10	17:56	
LCSW-1	Ti	722.45281	724.52764	720.37799	0.40615	ug/L	09/18/10	17:56	
LCSW-1	Tl	2223.87231	2224.99096	2222.75366	0.07113	ug/L	09/18/10	17:56	
LCSW-1	V	505.41772	505.88003	504.95541	0.12935	ug/L	09/18/10	17:56	
LCSW-1	Zn	529.62573	530.49316	528.75830	0.23162	ug/L	09/18/10	17:56	
LCSW-1	2203/1	513.28808	513.44665	513.12945	0.04369	ug/L	09/18/10	17:56	
LCSW-1	2203/2	533.57067	535.98034	531.16094	0.63868	ug/L	09/18/10	17:56	
LCSW-1	1960/1	2079.78417	2086.68432	2072.88427	0.46918	ug/L	09/18/10	17:56	
LCSW-1	1960/2	2192.12988	2200.28784	2183.97216	0.52628	ug/L	09/18/10	17:56	
LCSW-1	Y	1019.56799	1015.47357	1023.66235	0.56792		09/18/10	17:56	

44

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60917-5	Ag	-0.07133	-0.77229	0.62963	1389.74267	ug/L	09/18/10	18:01	
60917-5	Al	35.95556	36.47626	35.43486	2.04801	ug/L	09/18/10	18:01	
60917-5	2Al	0.03595	0.03647	0.03543	2.04801	mg/L	09/18/10	18:01	
60917-5	As	1.98915	1.93449	2.04381	3.88633	ug/L	09/18/10	18:01	
60917-5	B	252.34161	251.11637	253.56684	0.68666	ug/L	09/18/10	18:01	
60917-5	Ba	42.49043	42.44883	42.53203	0.13845	ug/L	09/18/10	18:01	
60917-5	Be	-0.01018	-0.02322	0.00285	181.00050	ug/L	09/18/10	18:01	
60917-5	Ca	89784.68750	89666.34375	89903.03906	0.18641	ug/L	09/18/10	18:01	
60917-5	Cd	-0.29846	-0.27910	-0.31783	9.17573	ug/L	09/18/10	18:01	
60917-5	Co	0.53930	0.34061	0.73798	52.10029	ug/L	09/18/10	18:01	
60917-5	Cr	0.10824	0.23676	-0.02027	167.91687	ug/L	09/18/10	18:01	
60917-5	Cu	-1.52389	-1.52976	-1.51802	0.54487	ug/L	09/18/10	18:01	
60917-5	Fe	-0.59265	-20.50743	19.32211	4752.09912	ug/L	09/18/10	18:01	
60917-5	2Fe	-0.00059	-0.02050	0.01932	4752.88037	mg/L	09/18/10	18:01	
60917-5	K	5988.36914	5965.60839	6011.13037	0.53752	ug/L	09/18/10	18:01	
60917-5	Mg	16856.31445	16833.03125	16879.59765	0.19534	ug/L	09/18/10	18:01	
60917-5	2Mg	16.85155	16.82828	16.87482	0.19530	mg/L	09/18/10	18:01	
60917-5	Mn	0.37543	0.32475	0.42611	19.09046	ug/L	09/18/10	18:01	
60917-5	Mo	14.12097	14.25048	13.99146	1.29701	ug/L	09/18/10	18:01	
60917-5	Na	24839.89062	24610.66796	25069.11523	1.30504	ug/L	09/18/10	18:01	
60917-5	Ni	1.06552	0.33913	1.79190	96.40956	ug/L	09/18/10	18:01	
60917-5	Pb	0.14857	0.04549	0.25165	98.11911	ug/L	09/18/10	18:01	
60917-5	Se	3.30878	1.79096	4.82660	64.87339	ug/L	09/18/10	18:01	
60917-5	Sb	-0.62492	-2.55414	1.30429	436.58621	ug/L	09/18/10	18:01	
60917-5	Sn	-1.65553	-0.70865	-2.60240	80.88532	ug/L	09/18/10	18:01	
60917-5	Sr	408.17944	408.44958	407.90930	0.09359	ug/L	09/18/10	18:01	
60917-5	Ti	0.54245	0.58359	0.50131	10.72555	ug/L	09/18/10	18:01	
60917-5	Tl	1.31672	3.14215	-0.50871	196.05902	ug/L	09/18/10	18:01	
60917-5	V	-0.78713	-1.05821	-0.51604	48.70477	ug/L	09/18/10	18:01	
60917-5	Zn	3.64526	3.61518	3.67535	1.16721	ug/L	09/18/10	18:01	
60917-5	2203/1	-1.76085	-2.14539	-1.37631	30.88422	ug/L	09/18/10	18:01	
60917-5	2203/2	1.10186	1.13929	1.06442	4.80487	ug/L	09/18/10	18:01	
60917-5	1960/1	-2.13698	-5.58260	1.30863	228.02420	ug/L	09/18/10	18:01	
60917-5	1960/2	6.02745	5.47222	6.58268	13.02732	ug/L	09/18/10	18:01	
60917-5	Y	1011.71966	1012.55773	1010.88159	0.11714		09/18/10	18:01	
60917-5S	Ag	51.99387	52.08015	51.90759	0.23467	ug/L	09/18/10	18:06	
60917-5S	Al	2036.62487	2041.72460	2031.52514	0.35412	ug/L	09/18/10	18:06	
60917-5S	2Al	2.03662	2.04172	2.03152	0.35414	mg/L	09/18/10	18:06	
60917-5S	As	2175.24633	2179.27050	2171.22216	0.26162	ug/L	09/18/10	18:06	
60917-5S	B	1357.31396	1359.57458	1355.05346	0.23553	ug/L	09/18/10	18:06	
60917-5S	Ba	2174.06445	2178.79467	2169.33398	0.30770	ug/L	09/18/10	18:06	
60917-5S	Be	54.52597	54.61678	54.43516	0.23553	ug/L	09/18/10	18:06	
60917-5S	Ca	96210.97656	96339.49218	96082.46093	0.18890	ug/L	09/18/10	18:06	
60917-5S	Cd	54.75780	54.55078	54.96482	0.53466	ug/L	09/18/10	18:06	
60917-5S	Co	528.82482	528.91058	528.73901	0.02294	ug/L	09/18/10	18:06	
60917-5S	Cr	215.96080	215.91249	216.00910	0.03163	ug/L	09/18/10	18:06	
60917-5S	Cu	259.68750	260.03430	259.34066	0.18887	ug/L	09/18/10	18:06	
60917-5S	Fe	1050.29223	1052.68859	1047.89587	0.32266	ug/L	09/18/10	18:06	
60917-5S	2Fe	1.05043	1.05283	1.04804	0.32259	mg/L	09/18/10	18:06	
60917-5S	K	11586.42089	11592.21093	11580.63085	0.07067	ug/L	09/18/10	18:06	
60917-5S	Mg	22451.34765	22461.56835	22441.12890	0.06437	ug/L	09/18/10	18:06	
60917-5S	2Mg	22.44507	22.45528	22.43485	0.06438	mg/L	09/18/10	18:06	
60917-5S	Mn	536.10351	537.01318	535.19390	0.23995	ug/L	09/18/10	18:06	
60917-5S	Mo	567.15130	567.56707	566.73553	0.10367	ug/L	09/18/10	18:06	
60917-5S	Na	30787.02734	30619.85742	30954.19726	0.76790	ug/L	09/18/10	18:06	
60917-5S	Ni	532.43347	532.46234	532.40454	0.00767	ug/L	09/18/10	18:06	
60917-5S	Pb	533.19177	533.23199	533.15148	0.01067	ug/L	09/18/10	18:06	
60917-5S	Se	2220.53417	2224.14233	2216.92578	0.22980	ug/L	09/18/10	18:06	
60917-5S	Sb	526.99255	526.60083	527.38433	0.10512	ug/L	09/18/10	18:06	
60917-5S	Sn	1079.13586	1077.06970	1081.20202	0.27077	ug/L	09/18/10	18:06	
60917-5S	Sr	964.73681	967.47808	961.99554	0.40184	ug/L	09/18/10	18:06	
60917-5S	Ti	737.96374	739.55596	736.37145	0.30513	ug/L	09/18/10	18:06	
60917-5S	Tl	2261.17480	2256.54248	2265.80737	0.28972	ug/L	09/18/10	18:06	
60917-5S	V	517.66009	517.51306	517.80712	0.04016	ug/L	09/18/10	18:06	
60917-5S	Zn	537.19293	538.17285	536.21301	0.25797	ug/L	09/18/10	18:06	
60917-5S	2203/1	519.11273	519.36285	518.86260	0.06814	ug/L	09/18/10	18:06	
60917-5S	2203/2	540.22070	540.15612	540.28521	0.01689	ug/L	09/18/10	18:06	
60917-5S	1960/1	2145.49365	2143.47192	2147.51538	0.13326	ug/L	09/18/10	18:06	
60917-5S	1960/2	2257.99707	2264.41601	2251.57788	0.40203	ug/L	09/18/10	18:06	
60917-5S	Y	1011.51892	1011.65856	1011.37921	0.01952		09/18/10	18:06	

45

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60917-5SD	Ag	52.11681	51.74561	52.48801	1.00727	ug/L	09/18/10	18:12	
60917-5SD	Al	2021.12475	2023.37695	2018.87255	0.15758	ug/L	09/18/10	18:12	
60917-5SD	2Al	2.02122	2.02337	2.01906	0.15073	mg/L	09/18/10	18:12	
60917-5SD	As	2160.22265	2163.79028	2156.65478	0.23356	ug/L	09/18/10	18:12	
60917-5SD	B	1341.86901	1343.69140	1340.04663	0.19206	ug/L	09/18/10	18:12	
60917-5SD	Ba	2155.57958	2158.50292	2152.65649	0.19178	ug/L	09/18/10	18:12	
60917-5SD	Be	53.89477	53.96467	53.82487	0.18342	ug/L	09/18/10	18:12	
60917-5SD	Ca	94516.67187	94543.34375	94489.99218	0.03991	ug/L	09/18/10	18:12	
60917-5SD	Cd	54.55335	54.33276	54.77395	0.57186	ug/L	09/18/10	18:12	
60917-5SD	Co	523.87268	524.72351	523.02191	0.22967	ug/L	09/18/10	18:12	
60917-5SD	Cr	213.50807	213.44084	213.57530	0.04453	ug/L	09/18/10	18:12	
60917-5SD	Cu	256.87988	256.96551	256.79425	0.04714	ug/L	09/18/10	18:12	
60917-5SD	Fe	1019.61895	1014.03662	1025.20129	0.77427	ug/L	09/18/10	18:12	
60917-5SD	2Fe	1.01976	1.01418	1.02534	0.77406	mg/L	09/18/10	18:12	
60917-5SD	K	11531.75195	11545.77734	11517.72753	0.17199	ug/L	09/18/10	18:12	
60917-5SD	Mg	22078.59960	22092.36328	22064.83593	0.08816	ug/L	09/18/10	18:12	
60917-5SD	2Mg	22.07243	22.08619	22.05867	0.08817	mg/L	09/18/10	18:12	
60917-5SD	Mn	530.81640	531.06140	530.57141	0.06527	ug/L	09/18/10	18:12	
60917-5SD	Mo	562.93615	561.33508	564.53717	0.40221	ug/L	09/18/10	18:12	
60917-5SD	Na	30156.34765	30003.01757	30309.67968	0.71906	ug/L	09/18/10	18:12	
60917-5SD	Ni	528.06024	528.68347	527.43701	0.16690	ug/L	09/18/10	18:12	
60917-5SD	Pb	526.12243	527.72546	524.51940	0.43089	ug/L	09/18/10	18:12	
60917-5SD	Se	2194.32128	2195.73022	2192.91210	0.09081	ug/L	09/18/10	18:12	
60917-5SD	Sb	525.62060	522.88714	528.35412	0.73546	ug/L	09/18/10	18:12	
60917-5SD	Sn	1068.87817	1063.88928	1073.86706	0.66007	ug/L	09/18/10	18:12	
60917-5SD	Sr	953.57287	954.68902	952.45672	0.16553	ug/L	09/18/10	18:12	
60917-5SD	Ti	730.38049	730.47222	730.28869	0.01776	ug/L	09/18/10	18:12	
60917-5SD	Tl	2242.16406	2247.79663	2236.53173	0.35525	ug/L	09/18/10	18:12	
60917-5SD	V	513.68914	514.02655	513.35174	0.09288	ug/L	09/18/10	18:12	
60917-5SD	Zn	532.01702	531.61456	532.41949	0.10698	ug/L	09/18/10	18:12	
60917-5SD	2203/1	515.66662	517.64636	513.68695	0.54293	ug/L	09/18/10	18:12	
60917-5SD	2203/2	531.34252	532.75750	529.92749	0.37661	ug/L	09/18/10	18:12	
60917-5SD	1960/1	2122.46337	2121.57031	2123.35644	0.05950	ug/L	09/18/10	18:12	
60917-5SD	1960/2	2230.19531	2232.75366	2227.63696	0.16223	ug/L	09/18/10	18:12	
60917-5SD	Y	1012.30895	1012.71490	1011.90301	0.05671		09/18/10	18:12	
61093-1	Ag	0.09461	-0.07121	0.26044	247.87228	ug/L	09/18/10	18:17	
61093-1	Al	75.41209	75.01319	75.81098	0.74805	ug/L	09/18/10	18:17	
61093-1	2Al	0.07541	0.07502	0.07581	0.74805	mg/L	09/18/10	18:17	
61093-1	As	-1.90104	-2.63645	-1.16564	54.70755	ug/L	09/18/10	18:17	
61093-1	B	72.39292	73.59951	71.18634	2.35710	ug/L	09/18/10	18:17	
61093-1	Ba	24.24632	24.18408	24.30857	0.36305	ug/L	09/18/10	18:17	
61093-1	Be	-0.02579	-0.02250	-0.02908	18.01932	ug/L	09/18/10	18:17	
61093-1	Ca	63348.18750	63339.44531	63356.92968	0.01951	ug/L	09/18/10	18:17	
61093-1	Cd	-0.37070	-0.28806	-0.45333	31.52578	ug/L	09/18/10	18:17	
61093-1	Co	-0.04003	0.49088	-0.57095	1875.47473	ug/L	09/18/10	18:17	
61093-1	Cr	0.11517	0.24614	-0.01579	160.81561	ug/L	09/18/10	18:17	
61093-1	Cu	0.57308	0.62956	0.51661	13.93663	ug/L	09/18/10	18:17	
61093-1	Fe	17.10071	22.76715	11.43428	46.86090	ug/L	09/18/10	18:17	
61093-1	2Fe	0.01709	0.02276	0.01143	46.86228	mg/L	09/18/10	18:17	
61093-1	K	2825.69091	2830.18652	2821.19531	0.22499	ug/L	09/18/10	18:17	
61093-1	Mg	27923.84765	27922.57226	27925.12109	0.00645	ug/L	09/18/10	18:17	
61093-1	2Mg	27.91596	27.91468	27.91723	0.00645	mg/L	09/18/10	18:17	
61093-1	Mn	3.03680	2.99840	3.07520	1.78834	ug/L	09/18/10	18:17	
61093-1	Mo	63.86518	65.17866	62.55171	2.90852	ug/L	09/18/10	18:17	
61093-1	Na	11790.52929	11674.39453	11906.66308	1.39297	ug/L	09/18/10	18:17	
61093-1	Ni	15.99875	15.86740	16.13011	1.16110	ug/L	09/18/10	18:17	
61093-1	Pb	0.45729	0.42715	0.48744	9.32135	ug/L	09/18/10	18:17	
61093-1	Se	2.75873	1.59811	3.91935	59.49710	ug/L	09/18/10	18:17	
61093-1	Sb	3.05910	5.13634	0.98187	96.02973	ug/L	09/18/10	18:17	
61093-1	Sn	-0.77580	-1.32566	-0.22593	100.23543	ug/L	09/18/10	18:17	
61093-1	Sr	76.03831	76.09130	75.98532	0.09855	ug/L	09/18/10	18:17	
61093-1	Ti	0.24764	0.23675	0.25854	6.22202	ug/L	09/18/10	18:17	
61093-1	Tl	2.92230	-1.16469	7.00930	197.78524	ug/L	09/18/10	18:17	
61093-1	V	-0.23662	-0.41195	-0.06130	104.78385	ug/L	09/18/10	18:17	
61093-1	Zn	0.96038	0.87880	1.04196	12.01265	ug/L	09/18/10	18:17	
61093-1	2203/1	-1.15062	0.54828	-2.84953	208.80947	ug/L	09/18/10	18:17	
61093-1	2203/2	1.26005	0.36668	2.15342	100.26666	ug/L	09/18/10	18:17	
61093-1	1960/1	-0.74105	-0.74371	-0.73838	0.50871	ug/L	09/18/10	18:17	
61093-1	1960/2	4.50600	2.76727	6.24473	54.57027	ug/L	09/18/10	18:17	
61093-1	Y	997.30212	996.91363	997.69055	0.05508		09/18/10	18:17	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61093-1L	Ag	0.12326	0.36516	-0.11863	277.53991	ug/L	09/18/10	18:22	
61093-1L	Al	40.90443	42.15777	39.65109	4.33325	ug/L	09/18/10	18:22	
61093-1L	2Al	0.04090	0.04216	0.03965	4.33321	mg/L	09/18/10	18:22	
61093-1L	As	0.52192	-0.01869	1.06254	146.48616	ug/L	09/18/10	18:22	
61093-1L	B	16.92423	17.09547	16.75299	1.43088	ug/L	09/18/10	18:22	
61093-1L	Ba	4.78712	4.84047	4.73377	1.57600	ug/L	09/18/10	18:22	
61093-1L	Be	-0.03351	-0.05948	-0.00754	109.59104	ug/L	09/18/10	18:22	
61093-1L	Ca	12654.68554	12930.48925	12378.88183	3.08222	ug/L	09/18/10	18:22	
61093-1L	Cd	-0.33729	-0.39194	-0.28264	22.91402	ug/L	09/18/10	18:22	
61093-1L	Co	0.12159	0.04971	0.19347	83.60123	ug/L	09/18/10	18:22	
61093-1L	Cr	-0.40874	-0.42827	-0.38920	6.75882	ug/L	09/18/10	18:22	
61093-1L	Cu	-0.80020	-0.58282	-1.01758	38.41788	ug/L	09/18/10	18:22	
61093-1L	Fe	-0.88453	9.58727	-11.35635	1674.24694	ug/L	09/18/10	18:22	
61093-1L	2Fe	-0.00088	0.00958	-0.01135	1674.34936	mg/L	09/18/10	18:22	
61093-1L	K	532.26055	552.11932	512.40179	5.27646	ug/L	09/18/10	18:22	
61093-1L	Mg	5642.30273	5764.52587	5520.07958	3.06345	ug/L	09/18/10	18:22	
61093-1L	2Mg	5.64071	5.76289	5.51852	3.06341	mg/L	09/18/10	18:22	
61093-1L	Mn	0.59996	0.58692	0.61299	3.07237	ug/L	09/18/10	18:22	
61093-1L	Mo	12.42519	11.84106	13.00931	6.64839	ug/L	09/18/10	18:22	
61093-1L	Na	1917.10900	1772.91650	2061.30151	10.63679	ug/L	09/18/10	18:22	
61093-1L	Ni	3.36011	3.92922	2.79101	23.95263	ug/L	09/18/10	18:22	
61093-1L	Pb	0.47928	-1.64420	2.60277	626.57189	ug/L	09/18/10	18:22	
61093-1L	Se	1.80236	1.88309	1.72162	6.33461	ug/L	09/18/10	18:22	
61093-1L	Sb	0.42617	0.54980	0.30253	41.02674	ug/L	09/18/10	18:22	
61093-1L	Sn	-1.80127	-0.69713	-2.90541	86.68792	ug/L	09/18/10	18:22	
61093-1L	Sr	15.20573	15.55980	14.85166	3.29304	ug/L	09/18/10	18:22	
61093-1L	Ti	0.16561	0.14069	0.19053	21.28034	ug/L	09/18/10	18:22	
61093-1L	Tl	3.28205	2.84548	3.71861	18.81142	ug/L	09/18/10	18:22	
61093-1L	V	0.10069	0.40777	-0.20639	431.30786	ug/L	09/18/10	18:22	
61093-1L	Zn	0.33538	0.50939	0.16137	73.37513	ug/L	09/18/10	18:22	
61093-1L	2203/1	1.91393	0.69181	3.13606	90.30319	ug/L	09/18/10	18:22	
61093-1L	2203/2	-0.23696	-2.81046	2.33653	1535.87255	ug/L	09/18/10	18:22	
61093-1L	1960/1	2.04003	8.14900	-4.06893	423.49295	ug/L	09/18/10	18:22	
61093-1L	1960/2	1.68370	-1.24516	4.61257	246.00762	ug/L	09/18/10	18:22	
61093-1L	Y	991.00775	977.17504	1004.84045	1.97399		09/18/10	18:22	
61093-1A	Ag	46.93365	46.86659	47.00070	0.20205	ug/L	09/18/10	18:27	
61093-1A	Al	1872.00927	1848.96606	1895.05261	1.74080	ug/L	09/18/10	18:27	
61093-1A	2Al	1.87208	1.84914	1.89503	1.73326	mg/L	09/18/10	18:27	
61093-1A	As	1953.15625	1928.73132	1977.58117	1.76852	ug/L	09/18/10	18:27	
61093-1A	B	1100.79272	1084.57507	1117.01037	2.08351	ug/L	09/18/10	18:27	
61093-1A	Ba	1941.13598	1916.79370	1965.47827	1.77345	ug/L	09/18/10	18:27	
61093-1A	Be	48.54526	47.94962	49.14090	1.73521	ug/L	09/18/10	18:27	
61093-1A	Ca	67575.62500	66713.83593	68437.42187	1.80354	ug/L	09/18/10	18:27	
61093-1A	Cd	48.84883	48.49871	49.19896	1.01364	ug/L	09/18/10	18:27	
61093-1A	Co	467.21777	461.65542	472.78012	1.68365	ug/L	09/18/10	18:27	
61093-1A	Cr	193.81365	191.28961	196.33769	1.84173	ug/L	09/18/10	18:27	
61093-1A	Cu	229.36946	226.82873	231.91018	1.56652	ug/L	09/18/10	18:27	
61093-1A	Fe	954.64196	941.90716	967.37677	1.88654	ug/L	09/18/10	18:27	
61093-1A	2Fe	0.95476	0.94203	0.96750	1.88650	mg/L	09/18/10	18:27	
61093-1A	K	8245.17285	8148.43115	8341.91503	1.65931	ug/L	09/18/10	18:27	
61093-1A	Mg	32776.73437	32359.92187	33193.54687	1.79841	ug/L	09/18/10	18:27	
61093-1A	2Mg	32.76616	32.35084	33.18149	1.79258	mg/L	09/18/10	18:27	
61093-1A	Mn	484.92568	478.87048	490.98089	1.76591	ug/L	09/18/10	18:27	
61093-1A	Mo	578.77984	570.09802	587.46166	2.12135	ug/L	09/18/10	18:27	
61093-1A	Na	16597.92187	16512.20507	16683.63867	0.73034	ug/L	09/18/10	18:27	
61093-1A	Ni	489.30572	482.68737	495.92407	1.91286	ug/L	09/18/10	18:27	
61093-1A	Pb	474.33520	473.11599	475.55444	0.36350	ug/L	09/18/10	18:27	
61093-1A	Se	1978.52160	1970.30187	1986.74133	0.58753	ug/L	09/18/10	18:27	
61093-1A	Sb	460.51898	456.27816	464.75976	1.30231	ug/L	09/18/10	18:27	
61093-1A	Sn	1050.34179	1039.66748	1061.01611	1.43722	ug/L	09/18/10	18:27	
61093-1A	Sr	613.91021	607.16931	620.65112	1.55284	ug/L	09/18/10	18:27	
61093-1A	Ti	1006.75042	994.45269	1019.04815	1.72750	ug/L	09/18/10	18:27	
61093-1A	Tl	2022.18762	1993.81958	2050.55566	1.98391	ug/L	09/18/10	18:27	
61093-1A	V	464.30511	459.24429	469.36596	1.54146	ug/L	09/18/10	18:27	
61093-1A	Zn	477.42095	471.06619	483.77572	1.88240	ug/L	09/18/10	18:27	
61093-1A	2203/1	464.16589	465.71945	462.61230	0.47334	ug/L	09/18/10	18:27	
61093-1A	2203/2	479.41226	476.80871	482.01580	0.76801	ug/L	09/18/10	18:27	
61093-1A	1960/1	1901.15380	1909.29797	1893.00964	0.60582	ug/L	09/18/10	18:27	
61093-1A	1960/2	2017.14672	2000.75732	2033.53601	1.14905	ug/L	09/18/10	18:27	
61093-1A	Y	991.20422	1000.15246	982.25592	1.27670		09/18/10	18:27	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	488.75592	489.57534	487.93652	0.23709	ug/L	09/18/10	18:32	
CCV	Al	4757.39550	4758.29931	4756.49121	0.02687	ug/L	09/18/10	18:32	
CCV	2Al	4.75742	4.75832	4.75652	0.02686	mg/L	09/18/10	18:32	
CCV	As	497.13720	495.87252	498.40185	0.35976	ug/L	09/18/10	18:32	
CCV	B	5006.65478	5006.07617	5007.23339	0.01634	ug/L	09/18/10	18:32	
CCV	Ba	4953.72363	4960.75488	4946.69189	0.20073	ug/L	09/18/10	18:32	
CCV	Be	504.31311	504.02752	504.59866	0.08008	ug/L	09/18/10	18:32	
CCV	Ca	4914.14550	4920.06054	4908.22998	0.17023	ug/L	09/18/10	18:32	
CCV	Cd	515.82312	516.42016	515.22607	0.16368	ug/L	09/18/10	18:32	
CCV	Co	493.63058	495.20004	492.06112	0.44963	ug/L	09/18/10	18:32	
CCV	Cr	5019.86376	5026.34912	5013.37841	0.18270	ug/L	09/18/10	18:32	
CCV	Cu	4852.74511	4862.89746	4842.59228	0.29587	ug/L	09/18/10	18:32	
CCV	Fe	4903.40039	4917.34521	4889.45556	0.40218	ug/L	09/18/10	18:32	
CCV	2Fe	4.90365	4.91760	4.88970	0.40219	mg/L	09/18/10	18:32	
CCV	K	9709.42187	9750.15136	9668.69335	0.59323	ug/L	09/18/10	18:32	
CCV	Mg	4964.89746	4972.86865	4956.92675	0.22704	ug/L	09/18/10	18:32	
CCV	2Mg	4.96491	4.97288	4.95694	0.22698	mg/L	09/18/10	18:32	
CCV	Mn	4978.74365	4984.38134	4973.10595	0.16013	ug/L	09/18/10	18:32	
CCV	Mo	514.15051	514.16540	514.13562	0.00409	ug/L	09/18/10	18:32	
CCV	Na	7302.25292	7381.76611	7222.73925	1.53992	ug/L	09/18/10	18:32	
CCV	Ni	2516.36987	2518.78955	2513.95019	0.13598	ug/L	09/18/10	18:32	
CCV	Pb	508.72311	509.86911	507.57711	0.31857	ug/L	09/18/10	18:32	
CCV	Se	5121.74023	5124.31835	5119.16210	0.07118	ug/L	09/18/10	18:32	
CCV	Sb	497.43875	499.21218	495.66531	0.50418	ug/L	09/18/10	18:32	
CCV	Sn	5038.04345	5045.11279	5030.97412	0.19844	ug/L	09/18/10	18:32	
CCV	Sr	2588.13623	2590.82080	2585.45141	0.14669	ug/L	09/18/10	18:32	
CCV	Ti	495.13919	495.94058	494.33779	0.22889	ug/L	09/18/10	18:32	
CCV	Tl	5159.62353	5164.09277	5155.15429	0.12249	ug/L	09/18/10	18:32	
CCV	V	4880.79003	4891.28662	4870.29394	0.30413	ug/L	09/18/10	18:32	
CCV	Zn	2499.24169	2502.17626	2496.30712	0.16605	ug/L	09/18/10	18:32	
CCV	2203/1	500.07135	502.69549	497.44717	0.74211	ug/L	09/18/10	18:32	
CCV	2203/2	513.03833	513.44635	512.63031	0.11247	ug/L	09/18/10	18:32	
CCV	1960/1	4938.34960	4938.11181	4938.58789	0.00681	ug/L	09/18/10	18:32	
CCV	1960/2	5213.29785	5217.28173	5209.31347	0.10807	ug/L	09/18/10	18:32	
CCV	Y	999.62866	999.11358	1000.14367	0.07286		09/18/10	18:32	
CCB	Ag	1.06455	1.06509	1.06402	0.07143	ug/L	09/18/10	18:37	
CCB	Al	26.75881	27.05462	26.46300	1.56336	ug/L	09/18/10	18:37	
CCB	2Al	0.02676	0.02705	0.02646	1.56336	mg/L	09/18/10	18:37	
CCB	As	-4.91012	-6.78079	-3.03944	53.87918	ug/L	09/18/10	18:37	
CCB	B	19.57840	22.38818	16.76862	20.29597	ug/L	09/18/10	18:37	
CCB	Ba	0.46119	-0.07858	1.00097	165.51922	ug/L	09/18/10	18:37	
CCB	Be	0.03261	-0.01909	0.08432	224.20051	ug/L	09/18/10	18:37	
CCB	Ca	-2.22234	-3.49757	-0.94710	81.15096	ug/L	09/18/10	18:37	
CCB	Cd	-0.23881	-0.20391	-0.27370	20.66388	ug/L	09/18/10	18:37	
CCB	Co	0.12894	-0.15986	0.41775	316.74877	ug/L	09/18/10	18:37	
CCB	Cr	0.80490	0.84267	0.76714	6.63533	ug/L	09/18/10	18:37	
CCB	Cu	-0.98778	-1.14340	-0.83216	22.27960	ug/L	09/18/10	18:37	
CCB	Fe	7.75301	15.53274	-0.02670	141.90844	ug/L	09/18/10	18:37	
CCB	2Fe	0.00775	0.01553	-0.00002	141.90487	mg/L	09/18/10	18:37	
CCB	K	-14.83170	-7.89211	-21.77130	66.16953	ug/L	09/18/10	18:37	
CCB	Mg	-1.36148	1.33071	-4.05367	279.64620	ug/L	09/18/10	18:37	
CCB	2Mg	-0.00136	0.00132	-0.00405	279.24966	mg/L	09/18/10	18:37	
CCB	Mn	0.54968	-0.00478	1.10415	142.65155	ug/L	09/18/10	18:37	
CCB	Mo	0.00603	-0.20842	0.22049	5028.16650	ug/L	09/18/10	18:37	
CCB	Na	-201.96533	-277.33868	-126.59199	52.77836	ug/L	09/18/10	18:37	
CCB	Ni	-0.41733	-0.93673	0.10207	176.01182	ug/L	09/18/10	18:37	
CCB	Pb	0.96136	0.98365	0.93907	3.27902	ug/L	09/18/10	18:37	
CCB	Se	3.27535	-1.34804	7.89876	199.62655	ug/L	09/18/10	18:37	
CCB	Sb	-2.15381	-2.10649	-2.20113	3.10727	ug/L	09/18/10	18:37	
CCB	Sn	0.56603	1.15879	-0.02673	148.10025	ug/L	09/18/10	18:37	
CCB	Sr	0.30981	0.10682	0.51280	92.65686	ug/L	09/18/10	18:37	
CCB	Ti	0.20478	0.15206	0.25751	36.41138	ug/L	09/18/10	18:37	
CCB	Tl	2.46333	1.88166	3.04499	33.39358	ug/L	09/18/10	18:37	
CCB	V	0.27673	-0.09631	0.64978	190.64085	ug/L	09/18/10	18:37	
CCB	Zn	3.36784	2.90425	3.83144	19.46714	ug/L	09/18/10	18:37	
CCB	2203/1	3.03920	2.72806	3.35033	14.47795	ug/L	09/18/10	18:37	
CCB	2203/2	-0.07599	0.11275	-0.26474	351.25683	ug/L	09/18/10	18:37	
CCB	1960/1	2.90618	-4.17662	9.98898	344.66531	ug/L	09/18/10	18:37	
CCB	1960/2	3.45966	0.06412	6.85521	138.80030	ug/L	09/18/10	18:37	
CCB	Y	998.90405	998.45007	999.35803	0.06427		09/18/10	18:37	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 179840	Ag	0.85223	0.59119	1.11327	43.31706	ug/L	09/18/10	18:43	
PBW 179840	Al	27.25011	25.74553	28.75469	7.80840	ug/L	09/18/10	18:43	
PBW 179840	2Al	0.02725	0.02574	0.02875	7.80840	mg/L	09/18/10	18:43	
PBW 179840	As	-3.58955	-5.54291	-1.63619	76.95860	ug/L	09/18/10	18:43	
PBW 179840	B	8.04202	7.75766	8.32638	5.00047	ug/L	09/18/10	18:43	
PBW 179840	Ba	-0.06546	-0.23464	0.10371	365.45007	ug/L	09/18/10	18:43	
PBW 179840	Be	-0.01916	-0.05307	0.01475	250.29571	ug/L	09/18/10	18:43	
PBW 179840	Ca	11.25931	10.96721	11.55140	3.66887	ug/L	09/18/10	18:43	
PBW 179840	Cd	-0.05441	0.02321	-0.13204	201.75953	ug/L	09/18/10	18:43	
PBW 179840	Co	0.15280	0.03985	0.26575	104.53834	ug/L	09/18/10	18:43	
PBW 179840	Cr	-0.42651	-0.53862	-0.31440	37.17294	ug/L	09/18/10	18:43	
PBW 179840	Cu	-1.76148	-1.92502	-1.59794	13.12980	ug/L	09/18/10	18:43	
PBW 179840	Fe	0.51867	-4.14611	5.18345	1271.90185	ug/L	09/18/10	18:43	
PBW 179840	2Fe	0.00051	-0.00414	0.00518	1271.62219	mg/L	09/18/10	18:43	
PBW 179840	K	8.11013	-10.30718	26.52745	321.15420	ug/L	09/18/10	18:43	
PBW 179840	Mg	-5.41548	-6.76070	-4.07026	35.12945	ug/L	09/18/10	18:43	
PBW 179840	2Mg	-0.00541	-0.00675	-0.00407	35.10697	mg/L	09/18/10	18:43	
PBW 179840	Mn	-0.05562	-0.02741	-0.08383	71.71430	ug/L	09/18/10	18:43	
PBW 179840	Mo	-0.88796	-0.63707	-1.13885	39.95821	ug/L	09/18/10	18:43	
PBW 179840	Na	-179.25410	-171.69100	-186.81719	5.96685	ug/L	09/18/10	18:43	
PBW 179840	Ni	0.11067	-0.90310	1.12445	1295.42553	ug/L	09/18/10	18:43	
PBW 179840	Pb	1.76641	2.26742	1.26539	40.11200	ug/L	09/18/10	18:43	
PBW 179840	Se	3.57025	5.89479	1.24571	92.07741	ug/L	09/18/10	18:43	
PBW 179840	Sb	-1.39317	-5.90846	3.12211	458.34695	ug/L	09/18/10	18:43	
PBW 179840	Sn	0.85368	0.17189	1.53548	112.94506	ug/L	09/18/10	18:43	
PBW 179840	Sr	-0.03312	-0.01314	-0.05309	85.29319	ug/L	09/18/10	18:43	
PBW 179840	Ti	0.02581	0.15236	-0.10074	693.42694	ug/L	09/18/10	18:43	
PBW 179840	Tl	4.33160	9.87087	-1.20766	180.85026	ug/L	09/18/10	18:43	
PBW 179840	V	0.72093	0.04462	1.39723	132.66687	ug/L	09/18/10	18:43	
PBW 179840	Zn	1.06794	0.87525	1.26063	25.51626	ug/L	09/18/10	18:43	
PBW 179840	2203/1	3.57732	4.24868	2.90596	26.54083	ug/L	09/18/10	18:43	
PBW 179840	2203/2	0.86231	1.27828	0.44634	68.21997	ug/L	09/18/10	18:43	
PBW 179840	1960/1	5.32875	5.91226	4.74524	15.48590	ug/L	09/18/10	18:43	
PBW 179840	1960/2	2.69231	5.88607	-0.50143	167.76046	ug/L	09/18/10	18:43	
PBW 179840	Y	998.39770	999.01751	997.77789	0.08779		09/18/10	18:43	
LCSW-1	Ag	48.84392	49.20024	48.48760	1.03167	ug/L	09/18/10	18:48	
LCSW-1	Al	1885.66259	1883.84509	1887.48022	0.13631	ug/L	09/18/10	18:48	
LCSW-1	2Al	1.88584	1.88402	1.88766	0.13631	mg/L	09/18/10	18:48	
LCSW-1	As	1992.65185	1999.00512	1986.29858	0.45090	ug/L	09/18/10	18:48	
LCSW-1	B	1017.25061	1018.20672	1016.29449	0.13292	ug/L	09/18/10	18:48	
LCSW-1	Ba	1987.64550	1988.58239	1986.70849	0.06666	ug/L	09/18/10	18:48	
LCSW-1	Be	49.82331	49.79663	49.85000	0.07574	ug/L	09/18/10	18:48	
LCSW-1	Ca	4891.08935	4897.02636	4885.15234	0.17166	ug/L	09/18/10	18:48	
LCSW-1	Cd	52.15911	52.34318	51.97502	0.49910	ug/L	09/18/10	18:48	
LCSW-1	Co	495.77716	496.46041	495.09393	0.19489	ug/L	09/18/10	18:48	
LCSW-1	Cr	201.58540	201.30068	201.87011	0.19973	ug/L	09/18/10	18:48	
LCSW-1	Cu	240.42544	240.45875	240.39212	0.01959	ug/L	09/18/10	18:48	
LCSW-1	Fe	954.20538	942.91949	965.49127	1.67266	ug/L	09/18/10	18:48	
LCSW-1	2Fe	0.95434	0.94305	0.96562	1.67227	mg/L	09/18/10	18:48	
LCSW-1	K	4873.55468	4852.16601	4894.94287	0.62065	ug/L	09/18/10	18:48	
LCSW-1	Mg	4955.75048	4965.37890	4946.12207	0.27476	ug/L	09/18/10	18:48	
LCSW-1	2Mg	4.95441	4.96403	4.94478	0.27481	mg/L	09/18/10	18:48	
LCSW-1	Mn	497.89843	498.23379	497.56304	0.09525	ug/L	09/18/10	18:48	
LCSW-1	Mo	515.72412	515.08050	516.36767	0.17648	ug/L	09/18/10	18:48	
LCSW-1	Na	4702.81494	4479.34619	4926.28369	6.72007	ug/L	09/18/10	18:48	
LCSW-1	Ni	499.76303	501.35580	498.17025	0.45071	ug/L	09/18/10	18:48	
LCSW-1	Pb	504.05798	502.39419	505.72174	0.46679	ug/L	09/18/10	18:48	
LCSW-1	Se	2043.45874	2037.91333	2049.00415	0.38378	ug/L	09/18/10	18:48	
LCSW-1	Sb	477.16357	476.66821	477.65890	0.14681	ug/L	09/18/10	18:48	
LCSW-1	Sn	1007.03863	1005.96667	1008.11059	0.15053	ug/L	09/18/10	18:48	
LCSW-1	Sr	522.72082	523.14227	522.29937	0.11402	ug/L	09/18/10	18:48	
LCSW-1	Ti	688.14514	687.75140	688.53887	0.08091	ug/L	09/18/10	18:48	
LCSW-1	Tl	2130.19360	2126.94946	2133.43774	0.21537	ug/L	09/18/10	18:48	
LCSW-1	V	481.89715	481.45321	482.34109	0.13028	ug/L	09/18/10	18:48	
LCSW-1	Zn	503.50308	503.32308	503.68307	0.05055	ug/L	09/18/10	18:48	
LCSW-1	2203/1	494.14849	489.32788	498.96908	1.37961	ug/L	09/18/10	18:48	
LCSW-1	2203/2	509.00531	508.91757	509.09301	0.02437	ug/L	09/18/10	18:48	
LCSW-1	1960/1	1975.85766	1977.25769	1974.45776	0.10020	ug/L	09/18/10	18:48	
LCSW-1	1960/2	2077.20800	2068.19506	2086.22070	0.61361	ug/L	09/18/10	18:48	
LCSW-1	Y	994.50415	996.92236	992.08593	0.34387		09/18/10	18:48	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61032-1	Ag	-1.84677	-3.42257	-0.27098	120.67028	ug/L	09/18/10	18:53	
61032-1	Al	2128.76000	2132.58422	2124.93579	0.25405	ug/L	09/18/10	18:53	
61032-1	2Al	2.12896	2.13279	2.12514	0.25405	mg/L	09/18/10	18:53	
61032-1	As	-1.79153	-1.35196	-2.23111	34.69944	ug/L	09/18/10	18:53	
61032-1	B	47.27059	48.23160	46.30958	2.87510	ug/L	09/18/10	18:53	
61032-1	Ba	1.49888	0.98977	2.00798	48.03450	ug/L	09/18/10	18:53	
61032-1	Be	-0.08129	-0.13321	-0.02938	90.31232	ug/L	09/18/10	18:53	
61032-1	Ca	7720.17382	7722.81152	7717.53613	0.04831	ug/L	09/18/10	18:53	
61032-1	Cd	-0.22645	-0.53690	0.08399	193.87959	ug/L	09/18/10	18:53	
61032-1	Co	-0.21826	-0.12721	-0.30930	58.99083	ug/L	09/18/10	18:53	
61032-1	Cr	0.93011	1.21065	0.64957	42.65570	ug/L	09/18/10	18:53	
61032-1	Cu	1.03227	1.56828	0.49626	73.43323	ug/L	09/18/10	18:53	
61032-1	Fe	0.78672	-25.36425	26.93769	4700.91015	ug/L	09/18/10	18:53	
61032-1	2Fe	0.00078	-0.02536	0.02693	4701.18212	mg/L	09/18/10	18:53	
61032-1	K	28342.85937	28316.57421	28369.14257	0.13114	ug/L	09/18/10	18:53	
61032-1	Mg	2118.56347	2121.02954	2116.09765	0.16461	ug/L	09/18/10	18:53	
61032-1	2Mg	2.11796	2.12043	2.11549	0.16491	mg/L	09/18/10	18:53	
61032-1	Mn	3.82452	3.88083	3.76822	2.08209	ug/L	09/18/10	18:53	
61032-1	Mo	59.42540	58.11135	60.73945	3.12719	ug/L	09/18/10	18:53	
61032-1	Na	3484371.50000	3479167.25000	3489575.50000	0.21122	ug/L	09/18/10	18:53	
61032-1	Ni	4.13105	2.77384	5.48827	46.46242	ug/L	09/18/10	18:53	
61032-1	Pb	0.76426	1.70235	-0.17381	173.58445	ug/L	09/18/10	18:53	
61032-1	Se	0.71149	-1.42154	2.84453	423.97836	ug/L	09/18/10	18:53	
61032-1	Sb	-5.64093	-12.58131	1.29943	173.99888	ug/L	09/18/10	18:53	
61032-1	Sn	84.37071	81.17673	87.56470	5.35372	ug/L	09/18/10	18:53	
61032-1	Sr	18.75230	18.78998	18.71460	0.28424	ug/L	09/18/10	18:53	
61032-1	Ti	0.31352	0.43762	0.18942	55.97624	ug/L	09/18/10	18:53	
61032-1	Tl	-2.99474	-5.81706	-0.17241	133.27935	ug/L	09/18/10	18:53	
61032-1	V	0.39003	-1.99645	2.77652	865.30651	ug/L	09/18/10	18:53	
61032-1	Zn	15.32982	15.60219	15.05744	2.51273	ug/L	09/18/10	18:53	
61032-1	2203/1	-4.92353	-16.48020	6.63313	331.94860	ug/L	09/18/10	18:53	
61032-1	2203/2	3.60390	10.78000	-3.57218	281.59811	ug/L	09/18/10	18:53	
61032-1	1960/1	-2.59062	-12.12190	6.94064	520.30828	ug/L	09/18/10	18:53	
61032-1	1960/2	2.36007	3.92060	0.79954	93.51066	ug/L	09/18/10	18:53	
61032-1	Y	930.53503	930.08544	930.98461	0.06832		09/18/10	18:53	
61032-1L	Ag	0.05028	0.45788	-0.35730	1146.29797	ug/L	09/18/10	18:58	
61032-1L	Al	439.21731	448.44293	429.99169	2.97050	ug/L	09/18/10	18:58	
61032-1L	2Al	0.43926	0.44848	0.43003	2.97051	mg/L	09/18/10	18:58	
61032-1L	As	-1.48049	-1.79757	-1.16341	30.28862	ug/L	09/18/10	18:58	
61032-1L	B	12.55749	11.71674	13.39823	9.46839	ug/L	09/18/10	18:58	
61032-1L	Ba	0.27544	0.19726	0.35363	40.14260	ug/L	09/18/10	18:58	
61032-1L	Be	-0.02520	-0.02714	-0.02325	10.93196	ug/L	09/18/10	18:58	
61032-1L	Ca	1536.61816	1544.59997	1528.63647	0.73459	ug/L	09/18/10	18:58	
61032-1L	Cd	-0.16965	-0.24290	-0.09640	61.05802	ug/L	09/18/10	18:58	
61032-1L	Co	-0.25798	0.17409	-0.69007	236.85525	ug/L	09/18/10	18:58	
61032-1L	Cr	0.27199	0.55715	-0.01317	148.26963	ug/L	09/18/10	18:58	
61032-1L	Cu	-0.43245	-0.28062	-0.58428	49.65175	ug/L	09/18/10	18:58	
61032-1L	Fe	2.68930	7.38338	-2.00476	246.84500	ug/L	09/18/10	18:58	
61032-1L	2Fe	0.00268	0.00738	-0.00200	246.85504	mg/L	09/18/10	18:58	
61032-1L	K	4124.55126	4129.20019	4119.90234	0.15940	ug/L	09/18/10	18:58	
61032-1L	Mg	429.66683	433.78079	425.55288	1.35407	ug/L	09/18/10	18:58	
61032-1L	2Mg	0.42954	0.43365	0.42543	1.35381	mg/L	09/18/10	18:58	
61032-1L	Mn	0.77305	0.84461	0.70149	13.09142	ug/L	09/18/10	18:58	
61032-1L	Mo	11.36083	11.68658	11.03507	4.05504	ug/L	09/18/10	18:58	
61032-1L	Na	620512.25000	625486.50000	615537.93750	1.13369	ug/L	09/18/10	18:58	
61032-1L	Ni	1.68095	1.96106	1.40084	23.56635	ug/L	09/18/10	18:58	
61032-1L	Pb	0.14327	-0.07621	0.36276	216.65565	ug/L	09/18/10	18:58	
61032-1L	Se	1.84772	2.26611	1.42934	32.02225	ug/L	09/18/10	18:58	
61032-1L	Sb	-0.90457	-2.67119	0.86205	276.19497	ug/L	09/18/10	18:58	
61032-1L	Sn	16.24944	15.61638	16.88250	5.50961	ug/L	09/18/10	18:58	
61032-1L	Sr	3.73813	3.78074	3.69553	1.61177	ug/L	09/18/10	18:58	
61032-1L	Ti	0.21434	0.39439	0.03429	118.79437	ug/L	09/18/10	18:58	
61032-1L	Tl	2.15571	9.08315	-4.77172	454.46084	ug/L	09/18/10	18:58	
61032-1L	V	0.40479	0.15475	0.65482	87.35319	ug/L	09/18/10	18:58	
61032-1L	Zn	3.60464	3.72836	3.48092	4.85392	ug/L	09/18/10	18:58	
61032-1L	2203/1	-2.73868	-5.11475	-0.36262	122.69621	ug/L	09/18/10	18:58	
61032-1L	2203/2	1.58209	2.43927	0.72491	76.62230	ug/L	09/18/10	18:58	
61032-1L	1960/1	-2.44115	-3.55745	-1.32485	64.66969	ug/L	09/18/10	18:58	
61032-1L	1960/2	3.98894	5.17352	2.80437	41.99710	ug/L	09/18/10	18:58	
61032-1L	Y	987.21893	984.02813	990.40972	0.45708		09/18/10	18:58	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61032-1A	Ag	48.75288	49.51793	47.98783	2.21924	ug/L	09/18/10	19:03	
61032-1A	Al	4053.68383	4054.52709	4052.84057	0.02941	ug/L	09/18/10	19:03	
61032-1A	2Al	4.05375	4.05470	4.05280	0.03311	mg/L	09/18/10	19:03	
61032-1A	As	2029.95288	2030.99182	2028.91406	0.07237	ug/L	09/18/10	19:03	
61032-1A	B	1080.68359	1078.77270	1082.59448	0.25006	ug/L	09/18/10	19:03	
61032-1A	Ba	1920.78930	1919.63964	1921.93884	0.08464	ug/L	09/18/10	19:03	
61032-1A	Be	47.17321	47.18251	47.16390	0.02789	ug/L	09/18/10	19:03	
61032-1A	Ca	12737.88281	12737.66796	12738.09863	0.00239	ug/L	09/18/10	19:03	
61032-1A	Cd	51.41307	51.62114	51.20499	0.57235	ug/L	09/18/10	19:03	
61032-1A	Co	488.04461	487.87640	488.21279	0.04873	ug/L	09/18/10	19:03	
61032-1A	Cr	193.36605	193.95263	192.77946	0.42900	ug/L	09/18/10	19:03	
61032-1A	Cu	250.04812	250.13777	249.95849	0.05069	ug/L	09/18/10	19:03	
61032-1A	Fe	950.74804	949.82360	951.67242	0.13750	ug/L	09/18/10	19:03	
61032-1A	2Fe	0.95088	0.94995	0.95180	0.13748	mg/L	09/18/10	19:03	
61032-1A	K	37921.52343	37924.94531	37918.10156	0.01276	ug/L	09/18/10	19:03	
61032-1A	Mg	7162.76562	7169.38476	7156.14599	0.13069	ug/L	09/18/10	19:03	
61032-1A	2Mg	7.16079	7.16741	7.15418	0.13069	mg/L	09/18/10	19:03	
61032-1A	Mn	484.76425	484.71926	484.80923	0.01312	ug/L	09/18/10	19:03	
61032-1A	Mo	592.64147	590.49194	594.79107	0.51294	ug/L	09/18/10	19:03	
61032-1A	Na	3547329.00000	3546267.00000	3548390.75000	0.04233	ug/L	09/18/10	19:03	
61032-1A	Ni	495.97399	497.10256	494.84539	0.32180	ug/L	09/18/10	19:03	
61032-1A	Pb	496.76983	498.38522	495.15447	0.45986	ug/L	09/18/10	19:03	
61032-1A	Se	2090.32397	2086.89013	2093.75781	0.23231	ug/L	09/18/10	19:03	
61032-1A	Sb	481.85253	477.02792	486.67718	1.41600	ug/L	09/18/10	19:03	
61032-1A	Sn	1178.26501	1177.44421	1179.08581	0.09851	ug/L	09/18/10	19:03	
61032-1A	Sr	534.67529	535.01855	534.33203	0.09079	ug/L	09/18/10	19:03	
61032-1A	Ti	990.68115	990.25567	991.10662	0.06073	ug/L	09/18/10	19:03	
61032-1A	Tl	2126.73046	2123.70727	2129.75366	0.20103	ug/L	09/18/10	19:03	
61032-1A	V	475.64508	475.07247	476.21768	0.17024	ug/L	09/18/10	19:03	
61032-1A	Zn	535.61968	535.84954	535.38983	0.06069	ug/L	09/18/10	19:03	
61032-1A	2203/1	488.50408	488.58294	488.42520	0.02283	ug/L	09/18/10	19:03	
61032-1A	2203/2	500.89654	503.27902	498.51406	0.67266	ug/L	09/18/10	19:03	
61032-1A	1960/1	2030.73974	2031.45983	2030.01953	0.05015	ug/L	09/18/10	19:03	
61032-1A	1960/2	2120.07080	2114.56298	2125.57836	0.36739	ug/L	09/18/10	19:03	
61032-1A	Y	926.78552	922.91815	930.65289	0.59013		09/18/10	19:03	
61032-1S	Ag	50.89331	49.88923	51.89738	2.79010	ug/L	09/18/10	19:08	
61032-1S	Al	3924.50390	3911.31787	3937.69018	0.47516	ug/L	09/18/10	19:08	
61032-1S	2Al	3.92467	3.91127	3.93807	0.48288	mg/L	09/18/10	19:08	
61032-1S	As	2073.25244	2064.68701	2081.81787	0.58426	ug/L	09/18/10	19:08	
61032-1S	B	1088.19677	1086.04199	1090.35144	0.28002	ug/L	09/18/10	19:08	
61032-1S	Ba	1384.92382	1381.59265	1388.25488	0.34015	ug/L	09/18/10	19:08	
61032-1S	Be	47.52679	47.42777	47.62582	0.29465	ug/L	09/18/10	19:08	
61032-1S	Ca	12077.82421	12047.30566	12108.34277	0.35734	ug/L	09/18/10	19:08	
61032-1S	Cd	52.09983	51.78608	52.41359	0.85167	ug/L	09/18/10	19:08	
61032-1S	Co	490.47406	490.64611	490.30203	0.04960	ug/L	09/18/10	19:08	
61032-1S	Cr	193.72424	192.75244	194.69606	0.70943	ug/L	09/18/10	19:08	
61032-1S	Cu	250.16543	249.96388	250.36697	0.11393	ug/L	09/18/10	19:08	
61032-1S	Fe	940.23730	933.33203	947.14263	1.03862	ug/L	09/18/10	19:08	
61032-1S	2Fe	0.94037	0.93346	0.94727	1.03842	mg/L	09/18/10	19:08	
61032-1S	K	35891.79687	35775.37109	36008.22265	0.45874	ug/L	09/18/10	19:08	
61032-1S	Mg	6819.26269	6806.72216	6831.80371	0.26007	ug/L	09/18/10	19:08	
61032-1S	2Mg	6.81739	6.80486	6.82993	0.26006	mg/L	09/18/10	19:08	
61032-1S	Mn	488.66656	487.41201	489.92111	0.36306	ug/L	09/18/10	19:08	
61032-1S	Mo	593.15661	592.69519	593.61804	0.11001	ug/L	09/18/10	19:08	
61032-1S	Na	3367454.50000	3361793.50000	3373115.25000	0.23773	ug/L	09/18/10	19:08	
61032-1S	Ni	498.50982	496.11914	500.90051	0.67820	ug/L	09/18/10	19:08	
61032-1S	Pb	493.57916	493.22262	493.93572	0.10216	ug/L	09/18/10	19:08	
61032-1S	Se	2148.46289	2144.68627	2152.23950	0.24859	ug/L	09/18/10	19:08	
61032-1S	Sb	494.04772	491.21871	496.87670	0.80980	ug/L	09/18/10	19:08	
61032-1S	Sn	1137.35644	1133.11511	1141.59765	0.52736	ug/L	09/18/10	19:08	
61032-1S	Sr	511.86776	509.54791	514.18762	0.64094	ug/L	09/18/10	19:08	
61032-1S	Ti	675.26977	673.71820	676.82135	0.32494	ug/L	09/18/10	19:08	
61032-1S	Tl	2204.91235	2199.15014	2210.67456	0.36958	ug/L	09/18/10	19:08	
61032-1S	V	479.97583	477.99154	481.96011	0.58465	ug/L	09/18/10	19:08	
61032-1S	Zn	537.42187	535.59338	539.25030	0.48115	ug/L	09/18/10	19:08	
61032-1S	2203/1	484.86230	482.99612	486.72845	0.54431	ug/L	09/18/10	19:08	
61032-1S	2203/2	497.93109	498.32821	497.53396	0.11279	ug/L	09/18/10	19:08	
61032-1S	1960/1	2084.80273	2082.22460	2087.38085	0.17488	ug/L	09/18/10	19:08	
61032-1S	1960/2	2180.24462	2175.86962	2184.61938	0.28377	ug/L	09/18/10	19:08	
61032-1S	Y	931.41241	932.13702	930.68780	0.11002		09/18/10	19:08	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61032-1SD	Ag	52.15311	51.76824	52.53798	1.04363	ug/L	09/18/10	19:14	
61032-1SD	Al	4185.15673	4188.14306	4182.17041	0.10091	ug/L	09/18/10	19:14	
61032-1SD	2Al	4.18556	4.18855	4.18257	0.10092	mg/L	09/18/10	19:14	
61032-1SD	As	2186.08813	2185.20141	2186.97485	0.05736	ug/L	09/18/10	19:14	
61032-1SD	B	1137.36791	1137.69458	1137.04138	0.04060	ug/L	09/18/10	19:14	
61032-1SD	Ba	1978.54016	1982.29992	1974.78039	0.26873	ug/L	09/18/10	19:14	
61032-1SD	Be	50.66203	50.57157	50.75249	0.25251	ug/L	09/18/10	19:14	
61032-1SD	Ca	12827.57324	12836.81542	12818.33105	0.10189	ug/L	09/18/10	19:14	
61032-1SD	Cd	55.28780	55.21865	55.35694	0.17686	ug/L	09/18/10	19:14	
61032-1SD	Co	524.83148	524.76751	524.89544	0.01723	ug/L	09/18/10	19:14	
61032-1SD	Cr	207.05271	206.46343	207.64199	0.40249	ug/L	09/18/10	19:14	
61032-1SD	Cu	268.10748	267.70584	268.50909	0.21185	ug/L	09/18/10	19:14	
61032-1SD	Fe	1006.51342	994.97320	1018.05358	1.62146	ug/L	09/18/10	19:14	
61032-1SD	2Fe	1.00665	0.99512	1.01819	1.62111	mg/L	09/18/10	19:14	
61032-1SD	K	37723.89843	37747.71093	37700.08593	0.08926	ug/L	09/18/10	19:14	
61032-1SD	Mg	7260.20996	7259.90869	7260.51171	0.00587	ug/L	09/18/10	19:14	
61032-1SD	2Mg	7.25822	7.25792	7.25852	0.00582	mg/L	09/18/10	19:14	
61032-1SD	Mn	521.43182	522.14160	520.72204	0.19250	ug/L	09/18/10	19:14	
61032-1SD	Mo	625.35363	624.18365	626.52362	0.26458	ug/L	09/18/10	19:14	
61032-1SD	Na	3544917.75000	3548163.50000	3541672.00000	0.12948	ug/L	09/18/10	19:14	
61032-1SD	Ni	533.06420	533.88366	532.24468	0.21740	ug/L	09/18/10	19:14	
61032-1SD	Pb	534.65466	537.52886	531.78051	0.76024	ug/L	09/18/10	19:14	
61032-1SD	Se	2255.54345	2256.09472	2254.99243	0.03455	ug/L	09/18/10	19:14	
61032-1SD	Sb	530.16137	533.98962	526.33312	1.02119	ug/L	09/18/10	19:14	
61032-1SD	Sn	1206.27075	1207.00280	1205.53857	0.08583	ug/L	09/18/10	19:14	
61032-1SD	Sr	546.85791	547.82006	545.89575	0.24882	ug/L	09/18/10	19:14	
61032-1SD	Ti	720.61291	721.34436	719.88153	0.14354	ug/L	09/18/10	19:14	
61032-1SD	Tl	2291.89599	2294.09960	2289.69238	0.13597	ug/L	09/18/10	19:14	
61032-1SD	V	511.40921	511.61187	511.20654	0.05604	ug/L	09/18/10	19:14	
61032-1SD	Zn	571.13818	571.67071	570.60565	0.13186	ug/L	09/18/10	19:14	
61032-1SD	2203/1	526.77478	531.69464	521.85491	1.32081	ug/L	09/18/10	19:14	
61032-1SD	2203/2	538.58874	540.44158	536.73590	0.48651	ug/L	09/18/10	19:14	
61032-1SD	1960/1	2204.13378	2210.45507	2197.81250	0.40558	ug/L	09/18/10	19:14	
61032-1SD	1960/2	2281.20922	2278.87963	2283.53881	0.14442	ug/L	09/18/10	19:14	
61032-1SD	Y	927.92041	924.80383	931.03704	0.47499		09/18/10	19:14	
61031-3	Ag	-0.21607	-0.02115	-0.41099	127.57509	ug/L	09/18/10	19:19	
61031-3	Al	968.27996	963.15136	973.40856	0.74905	ug/L	09/18/10	19:19	
61031-3	2Al	0.96827	0.96324	0.97329	0.73417	mg/L	09/18/10	19:19	
61031-3	As	0.16530	-0.30988	0.64050	406.52554	ug/L	09/18/10	19:19	
61031-3	B	1198.73754	1197.33056	1200.14440	0.16598	ug/L	09/18/10	19:19	
61031-3	Ba	17.71778	17.72743	17.70814	0.07698	ug/L	09/18/10	19:19	
61031-3	Be	-0.00496	0.00210	-0.01203	201.38551	ug/L	09/18/10	19:19	
61031-3	Ca	16854.00781	16848.83007	16859.18750	0.04345	ug/L	09/18/10	19:19	
61031-3	Cd	-0.28228	-0.24541	-0.31915	18.47150	ug/L	09/18/10	19:19	
61031-3	Co	3.12563	2.78065	3.47061	15.60885	ug/L	09/18/10	19:19	
61031-3	Cr	10.71556	10.60202	10.82910	1.49846	ug/L	09/18/10	19:19	
61031-3	Cu	12.88786	13.18239	12.59333	3.23197	ug/L	09/18/10	19:19	
61031-3	Fe	1998.21508	1994.83825	2001.59191	0.23899	ug/L	09/18/10	19:19	
61031-3	2Fe	1.99806	1.99469	2.00144	0.23900	mg/L	09/18/10	19:19	
61031-3	K	7171.94921	7176.61181	7167.28662	0.09194	ug/L	09/18/10	19:19	
61031-3	Mg	2526.04223	2526.46166	2525.62280	0.02348	ug/L	09/18/10	19:19	
61031-3	2Mg	2.52501	2.52543	2.52459	0.02352	mg/L	09/18/10	19:19	
61031-3	Mn	88.52964	88.52103	88.53826	0.01375	ug/L	09/18/10	19:19	
61031-3	Mo	53.03249	54.47649	51.58849	3.85070	ug/L	09/18/10	19:19	
61031-3	Na	122537.73437	122348.55468	122726.90625	0.21832	ug/L	09/18/10	19:19	
61031-3	Ni	180.90985	180.00476	181.81495	0.70753	ug/L	09/18/10	19:19	
61031-3	Pb	1.55113	1.77410	1.32815	20.32921	ug/L	09/18/10	19:19	
61031-3	Se	2.35270	-0.12410	4.82950	148.88150	ug/L	09/18/10	19:19	
61031-3	Sb	-1.39774	-2.03074	-0.76475	64.04507	ug/L	09/18/10	19:19	
61031-3	Sn	-0.05575	-0.18310	0.07160	323.03976	ug/L	09/18/10	19:19	
61031-3	Sr	137.34667	137.23237	137.46096	0.11768	ug/L	09/18/10	19:19	
61031-3	Ti	2.24810	2.20501	2.29119	2.71068	ug/L	09/18/10	19:19	
61031-3	Tl	2.99597	6.82205	-0.83010	180.60523	ug/L	09/18/10	19:19	
61031-3	V	1.95621	1.49333	2.41910	33.46337	ug/L	09/18/10	19:19	
61031-3	Zn	62.95872	62.48995	63.42749	1.05297	ug/L	09/18/10	19:19	
61031-3	2203/1	3.36912	2.83642	3.90181	22.36043	ug/L	09/18/10	19:19	
61031-3	2203/2	0.64349	1.24374	0.04325	131.91511	ug/L	09/18/10	19:19	
61031-3	1960/1	-2.38982	-2.29914	-2.48051	5.36645	ug/L	09/18/10	19:19	
61031-3	1960/2	4.72040	0.96177	8.47903	112.60688	ug/L	09/18/10	19:19	
61031-3	Y	970.08197	969.92047	970.24346	0.02354		09/18/10	19:19	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61052-1	Ag	0.16915	0.55307	-0.21475	320.96032	ug/L	09/18/10	19:24	
61052-1	Al	28376.99609	28353.44921	28400.54296	0.11734	ug/L	09/18/10	19:24	
61052-1	2Al	28.37666	28.35321	28.40010	0.11684	mg/L	09/18/10	19:24	
61052-1	As	0.30714	-2.32549	2.93979	1212.15368	ug/L	09/18/10	19:24	
61052-1	B	45.92278	46.77439	45.07117	2.62257	ug/L	09/18/10	19:24	
61052-1	Ba	86.96954	86.96540	86.97369	0.00674	ug/L	09/18/10	19:24	
61052-1	Be	1.98332	1.99621	1.97042	0.91943	ug/L	09/18/10	19:24	
61052-1	Ca	15666.83984	15662.82812	15670.85156	0.03621	ug/L	09/18/10	19:24	
61052-1	Cd	-0.11635	0.01573	-0.24843	160.54122	ug/L	09/18/10	19:24	
61052-1	Co	9.28951	9.29801	9.28101	0.12941	ug/L	09/18/10	19:24	
61052-1	Cr	34.84806	34.80080	34.89532	0.19178	ug/L	09/18/10	19:24	
61052-1	Cu	580.61218	580.76403	580.46038	0.03698	ug/L	09/18/10	19:24	
61052-1	Fe	19358.33398	19350.58984	19366.07812	0.05657	ug/L	09/18/10	19:24	
61052-1	2Fe	19.35480	19.34706	19.36254	0.05655	mg/L	09/18/10	19:24	
61052-1	K	3795.74707	3812.02319	3779.47119	0.60640	ug/L	09/18/10	19:24	
61052-1	Mg	7021.18408	7022.36181	7020.00634	0.02372	ug/L	09/18/10	19:24	
61052-1	2Mg	7.01586	7.01704	7.01468	0.02376	mg/L	09/18/10	19:24	
61052-1	Mn	146.25645	146.37379	146.13911	0.11346	ug/L	09/18/10	19:24	
61052-1	Mo	0.69269	2.32385	-0.93846	333.02075	ug/L	09/18/10	19:24	
61052-1	Na	61313.54687	61416.88671	61210.21093	0.23835	ug/L	09/18/10	19:24	
61052-1	Ni	19.57190	20.22602	18.91778	4.72649	ug/L	09/18/10	19:24	
61052-1	Pb	4.98919	4.68391	5.29448	8.65340	ug/L	09/18/10	19:24	
61052-1	Se	7.11614	9.55819	4.67409	48.53166	ug/L	09/18/10	19:24	
61052-1	Sb	-1.43164	2.40038	-5.26366	378.53738	ug/L	09/18/10	19:24	
61052-1	Sn	-3.12467	-1.64432	-4.60501	66.99970	ug/L	09/18/10	19:24	
61052-1	Sr	81.68069	81.64514	81.71624	0.06154	ug/L	09/18/10	19:24	
61052-1	Ti	287.26394	287.12866	287.39923	0.06660	ug/L	09/18/10	19:24	
61052-1	Tl	1.88935	4.32724	-0.54854	182.48086	ug/L	09/18/10	19:24	
61052-1	V	27.63295	27.96654	27.29936	1.70726	ug/L	09/18/10	19:24	
61052-1	Zn	74.92205	75.25013	74.59397	0.61927	ug/L	09/18/10	19:24	
61052-1	2203/1	8.91985	8.22184	9.61787	11.06682	ug/L	09/18/10	19:24	
61052-1	2203/2	3.02681	2.91760	3.13602	5.10261	ug/L	09/18/10	19:24	
61052-1	1960/1	8.05615	6.78131	9.33100	22.37910	ug/L	09/18/10	19:24	
61052-1	1960/2	6.64683	10.94454	2.34912	91.44019	ug/L	09/18/10	19:24	
61052-1	Y	984.54321	985.33764	983.74877	0.11411		09/18/10	19:24	
61052-1S	Ag	50.03845	50.94842	49.12848	2.57180	ug/L	09/18/10	19:29	
61052-1S	Al	30487.48046	30431.66992	30543.29101	0.25888	ug/L	09/18/10	19:29	
61052-1S	2Al	30.48816	30.43265	30.54366	0.25745	mg/L	09/18/10	19:29	
61052-1S	As	2042.56323	2038.47216	2046.65441	0.28325	ug/L	09/18/10	19:29	
61052-1S	B	1074.89733	1072.74414	1077.05053	0.28329	ug/L	09/18/10	19:29	
61052-1S	Ba	2126.00781	2122.25390	2129.76171	0.24970	ug/L	09/18/10	19:29	
61052-1S	Be	52.96504	52.92140	53.00867	0.11649	ug/L	09/18/10	19:29	
61052-1S	Ca	20770.64062	20740.61718	20800.66210	0.20441	ug/L	09/18/10	19:29	
61052-1S	Cd	52.45051	52.46983	52.43119	0.05208	ug/L	09/18/10	19:29	
61052-1S	Co	518.55999	518.23114	518.88885	0.08968	ug/L	09/18/10	19:29	
61052-1S	Cr	236.88580	235.70864	238.06295	0.70276	ug/L	09/18/10	19:29	
61052-1S	Cu	825.27130	823.98779	826.55480	0.21994	ug/L	09/18/10	19:29	
61052-1S	Fe	20428.08984	20420.85937	20435.32031	0.05005	ug/L	09/18/10	19:29	
61052-1S	2Fe	20.42574	20.41851	20.43297	0.05003	mg/L	09/18/10	19:29	
61052-1S	K	9312.97656	9315.96289	9309.99023	0.04534	ug/L	09/18/10	19:29	
61052-1S	Mg	12198.23339	12199.86718	12196.59960	0.01894	ug/L	09/18/10	19:29	
61052-1S	2Mg	12.19150	12.19313	12.18986	0.01896	mg/L	09/18/10	19:29	
61052-1S	Mn	660.09130	659.23773	660.94488	0.18287	ug/L	09/18/10	19:29	
61052-1S	Mo	522.37689	522.46008	522.29370	0.02252	ug/L	09/18/10	19:29	
61052-1S	Na	67565.87500	67500.14843	67631.60156	0.13757	ug/L	09/18/10	19:29	
61052-1S	Ni	532.44036	532.28802	532.59271	0.04046	ug/L	09/18/10	19:29	
61052-1S	Pb	512.73400	511.58926	513.87872	0.31573	ug/L	09/18/10	19:29	
61052-1S	Se	2055.68847	2061.14306	2050.23364	0.37525	ug/L	09/18/10	19:29	
61052-1S	Sb	492.19146	489.75875	494.62417	0.69899	ug/L	09/18/10	19:29	
61052-1S	Sn	1043.53540	1043.10607	1043.96459	0.05817	ug/L	09/18/10	19:29	
61052-1S	Sr	612.38610	610.96295	613.80926	0.32865	ug/L	09/18/10	19:29	
61052-1S	Ti	990.27465	988.46820	992.08111	0.25798	ug/L	09/18/10	19:29	
61052-1S	Tl	2145.03857	2140.46484	2149.61254	0.30155	ug/L	09/18/10	19:29	
61052-1S	V	520.10791	520.12335	520.09246	0.00419	ug/L	09/18/10	19:29	
61052-1S	Zn	587.42041	587.07946	587.76135	0.08208	ug/L	09/18/10	19:29	
61052-1S	2203/1	513.06207	512.65716	513.46697	0.11160	ug/L	09/18/10	19:29	
61052-1S	2203/2	512.57019	511.05612	514.08428	0.41774	ug/L	09/18/10	19:29	
61052-1S	1960/1	1997.64233	2000.06054	1995.22399	0.17119	ug/L	09/18/10	19:29	
61052-1S	1960/2	2084.66699	2091.63769	2077.69653	0.47287	ug/L	09/18/10	19:29	
61052-1S	Y	985.86578	988.71612	983.01544	0.40887		09/18/10	19:29	

53

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	478.62207	480.21112	477.03298	0.46953	ug/L	09/18/10	19:34	
CCV	Al	4698.27929	4721.01513	4675.54394	0.68435	ug/L	09/18/10	19:34	
CCV	2Al	4.69840	4.72124	4.67556	0.68740	mg/L	09/18/10	19:34	
CCV	As	489.32846	487.12216	491.53475	0.63764	ug/L	09/18/10	19:34	
CCV	B	4877.74023	4891.03564	4864.44482	0.38547	ug/L	09/18/10	19:34	
CCV	Ba	4848.91015	4864.86572	4832.95410	0.46536	ug/L	09/18/10	19:34	
CCV	Be	491.97320	493.49774	490.44866	0.43823	ug/L	09/18/10	19:34	
CCV	Ca	4830.41845	4844.98583	4815.85107	0.42649	ug/L	09/18/10	19:34	
CCV	Cd	501.07879	502.56243	499.59518	0.41872	ug/L	09/18/10	19:34	
CCV	Co	485.10403	486.54302	483.66503	0.41950	ug/L	09/18/10	19:34	
CCV	Cr	4912.57519	4927.46289	4897.68701	0.42858	ug/L	09/18/10	19:34	
CCV	Cu	4766.05664	4785.21337	4746.90039	0.56842	ug/L	09/18/10	19:34	
CCV	Fe	4807.26904	4832.18408	4782.35400	0.73295	ug/L	09/18/10	19:34	
CCV	2Fe	4.80752	4.83243	4.78260	0.73290	mg/L	09/18/10	19:34	
CCV	K	9548.46484	9580.31738	9516.61132	0.47177	ug/L	09/18/10	19:34	
CCV	Mg	4896.99560	4908.58251	4885.40869	0.33462	ug/L	09/18/10	19:34	
CCV	2Mg	4.89700	4.90859	4.88542	0.33458	mg/L	09/18/10	19:34	
CCV	Mn	4886.26464	4900.89306	4871.63574	0.42339	ug/L	09/18/10	19:34	
CCV	Mo	500.39404	500.09820	500.68991	0.08361	ug/L	09/18/10	19:34	
CCV	Na	7399.39941	7373.76074	7425.03808	0.49002	ug/L	09/18/10	19:34	
CCV	Ni	2462.40478	2472.41259	2452.39672	0.57477	ug/L	09/18/10	19:34	
CCV	Pb	500.47039	502.82290	498.11785	0.66476	ug/L	09/18/10	19:34	
CCV	Se	5006.37988	5023.02246	4989.73730	0.47012	ug/L	09/18/10	19:34	
CCV	Sb	486.44702	487.83734	485.05667	0.40420	ug/L	09/18/10	19:34	
CCV	Sn	4932.39355	4944.43652	4920.35107	0.34528	ug/L	09/18/10	19:34	
CCV	Sr	2506.64770	2516.38183	2496.91357	0.54918	ug/L	09/18/10	19:34	
CCV	Ti	484.58593	486.64505	482.52685	0.60092	ug/L	09/18/10	19:34	
CCV	Tl	5024.96386	5051.09179	4998.83593	0.73533	ug/L	09/18/10	19:34	
CCV	V	4807.25781	4820.47851	4794.03662	0.38893	ug/L	09/18/10	19:34	
CCV	Zn	2460.72119	2469.31713	2452.12548	0.49401	ug/L	09/18/10	19:34	
CCV	2203/1	494.01104	498.42953	489.59255	1.26488	ug/L	09/18/10	19:34	
CCV	2203/2	503.69104	505.01211	502.36996	0.37091	ug/L	09/18/10	19:34	
CCV	1960/1	4871.25390	4879.41308	4863.09472	0.23687	ug/L	09/18/10	19:34	
CCV	1960/2	5073.84130	5094.71923	5052.96337	0.58192	ug/L	09/18/10	19:34	
CCV	Y	1000.14367	1001.66271	998.62469	0.21478		09/18/10	19:34	
CCB	Ag	0.23941	0.21472	0.26409	14.57894	ug/L	09/18/10	19:39	
CCB	Al	19.00900	19.99069	18.02731	7.30346	ug/L	09/18/10	19:39	
CCB	2Al	0.01901	0.01999	0.01802	7.30351	mg/L	09/18/10	19:39	
CCB	As	-1.43943	-2.56368	-0.31519	110.45401	ug/L	09/18/10	19:39	
CCB	B	19.55636	22.74097	16.37176	23.02935	ug/L	09/18/10	19:39	
CCB	Ba	0.65661	0.14339	1.16983	110.53799	ug/L	09/18/10	19:39	
CCB	Be	0.03840	-0.00182	0.07863	148.15278	ug/L	09/18/10	19:39	
CCB	Ca	-0.83586	-2.23401	0.56229	236.55738	ug/L	09/18/10	19:39	
CCB	Cd	0.00936	-0.06201	0.08073	1078.31384	ug/L	09/18/10	19:39	
CCB	Co	-0.14496	-0.05596	-0.23396	86.82238	ug/L	09/18/10	19:39	
CCB	Cr	0.49588	0.09863	0.89313	113.29159	ug/L	09/18/10	19:39	
CCB	Cu	-0.86731	-1.27738	-0.45724	66.86531	ug/L	09/18/10	19:39	
CCB	Fe	15.18654	11.47646	18.89661	34.54928	ug/L	09/18/10	19:39	
CCB	2Fe	0.01518	0.01147	0.01889	34.54943	mg/L	09/18/10	19:39	
CCB	K	-3.01574	-8.19354	2.16204	242.80908	ug/L	09/18/10	19:39	
CCB	Mg	1.33497	1.33077	1.33916	0.44453	ug/L	09/18/10	19:39	
CCB	2Mg	0.00133	0.00132	0.00133	0.39892	mg/L	09/18/10	19:39	
CCB	Mn	0.56818	0.09844	1.03792	116.91831	ug/L	09/18/10	19:39	
CCB	Mo	0.40109	0.79683	0.00535	139.53363	ug/L	09/18/10	19:39	
CCB	Na	-147.41235	-383.38754	88.56283	226.38490	ug/L	09/18/10	19:39	
CCB	Ni	1.01841	0.14646	1.89035	121.08212	ug/L	09/18/10	19:39	
CCB	Pb	-0.38027	-0.06807	-0.69247	116.10456	ug/L	09/18/10	19:39	
CCB	Se	5.52186	4.58864	6.45508	23.90083	ug/L	09/18/10	19:39	
CCB	Sb	-0.53391	-1.83369	0.76587	344.28637	ug/L	09/18/10	19:39	
CCB	Sn	1.95705	-0.56281	4.47693	182.09175	ug/L	09/18/10	19:39	
CCB	Sr	0.23293	0.02066	0.44521	128.87567	ug/L	09/18/10	19:39	
CCB	Ti	0.12794	0.21361	0.04228	94.68822	ug/L	09/18/10	19:39	
CCB	Tl	5.78960	5.62374	5.95547	4.05147	ug/L	09/18/10	19:39	
CCB	V	0.85812	0.30073	1.41551	91.85907	ug/L	09/18/10	19:39	
CCB	Zn	0.36252	0.22248	0.50255	54.62892	ug/L	09/18/10	19:39	
CCB	2203/1	1.87730	0.60547	3.14914	95.80968	ug/L	09/18/10	19:39	
CCB	2203/2	-1.50737	-0.40434	-2.61040	103.48572	ug/L	09/18/10	19:39	
CCB	1960/1	5.75346	4.96346	6.54347	19.41847	ug/L	09/18/10	19:39	
CCB	1960/2	5.40624	4.40152	6.41096	26.28238	ug/L	09/18/10	19:39	
CCB	Y	990.43591	992.68829	988.18359	0.32160		09/18/10	19:39	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61052-1SD	Ag	48.64012	49.06542	48.21482	1.23655	ug/L	09/18/10	19:45	
61052-1SD	Al	29264.13281	29305.39453	29222.87109	0.19940	ug/L	09/18/10	19:45	
61052-1SD	2Al	29.26520	29.30707	29.22333	0.20233	mg/L	09/18/10	19:45	
61052-1SD	As	2003.92431	2003.90270	2003.94580	0.00152	ug/L	09/18/10	19:45	
61052-1SD	B	1054.66516	1052.58288	1056.74743	0.27921	ug/L	09/18/10	19:45	
61052-1SD	Ba	2074.02734	2074.81372	2073.24121	0.05361	ug/L	09/18/10	19:45	
61052-1SD	Be	51.54117	51.56314	51.51920	0.06028	ug/L	09/18/10	19:45	
61052-1SD	Ca	19975.21875	19980.19531	19970.24218	0.03523	ug/L	09/18/10	19:45	
61052-1SD	Cd	51.28511	51.61799	50.95224	0.91791	ug/L	09/18/10	19:45	
61052-1SD	Co	505.53924	505.17462	505.90386	0.10200	ug/L	09/18/10	19:45	
61052-1SD	Cr	230.32942	230.08125	230.57759	0.15237	ug/L	09/18/10	19:45	
61052-1SD	Cu	796.70947	797.84271	795.57629	0.20115	ug/L	09/18/10	19:45	
61052-1SD	Fe	19558.44335	19584.07226	19532.81445	0.18531	ug/L	09/18/10	19:45	
61052-1SD	2Fe	19.55668	19.58283	19.53053	0.18909	mg/L	09/18/10	19:45	
61052-1SD	K	9104.93847	9109.10156	9100.77539	0.06466	ug/L	09/18/10	19:45	
61052-1SD	Mg	11758.95898	11761.59960	11756.31835	0.03175	ug/L	09/18/10	19:45	
61052-1SD	2Mg	11.75249	11.75512	11.74985	0.03171	mg/L	09/18/10	19:45	
61052-1SD	Mn	642.16430	642.62750	641.70111	0.10200	ug/L	09/18/10	19:45	
61052-1SD	Mo	508.71746	507.62530	509.80963	0.30361	ug/L	09/18/10	19:45	
61052-1SD	Na	64769.47656	64960.42187	64578.53125	0.41692	ug/L	09/18/10	19:45	
61052-1SD	Ni	515.08422	514.12872	516.03967	0.26233	ug/L	09/18/10	19:45	
61052-1SD	Pb	504.22662	504.78918	503.66409	0.15777	ug/L	09/18/10	19:45	
61052-1SD	Se	2018.29504	2025.48327	2011.10681	0.50367	ug/L	09/18/10	19:45	
61052-1SD	Sb	481.15728	481.73464	480.57989	0.16970	ug/L	09/18/10	19:45	
61052-1SD	Sn	1014.41430	1014.29632	1014.53234	0.01645	ug/L	09/18/10	19:45	
61052-1SD	Sr	595.80639	595.25164	596.36108	0.13166	ug/L	09/18/10	19:45	
61052-1SD	Ti	959.97229	960.75787	959.18664	0.11573	ug/L	09/18/10	19:45	
61052-1SD	Tl	2111.49365	2113.46728	2109.51977	0.13219	ug/L	09/18/10	19:45	
61052-1SD	V	509.87725	510.55990	509.19464	0.18933	ug/L	09/18/10	19:45	
61052-1SD	Zn	570.54699	570.76452	570.32940	0.05392	ug/L	09/18/10	19:45	
61052-1SD	2203/1	504.92474	505.63870	504.21081	0.19996	ug/L	09/18/10	19:45	
61052-1SD	2203/2	503.87811	504.36508	503.39114	0.13667	ug/L	09/18/10	19:45	
61052-1SD	1960/1	1970.24658	1973.16809	1967.32519	0.20969	ug/L	09/18/10	19:45	
61052-1SD	1960/2	2042.28259	2051.60107	2032.96411	0.64527	ug/L	09/18/10	19:45	
61052-1SD	Y	989.46252	990.04309	988.88201	0.08297		09/18/10	19:45	
61052-2	Ag	1.19315	1.51478	0.87152	38.12207	ug/L	09/18/10	19:50	
61052-2	Al	73.17238	77.20430	69.14046	7.79255	ug/L	09/18/10	19:50	
61052-2	2Al	0.07317	0.07721	0.06914	7.79255	mg/L	09/18/10	19:50	
61052-2	As	0.58058	1.55807	-0.39690	238.10076	ug/L	09/18/10	19:50	
61052-2	B	31.03710	31.74824	30.32597	3.24029	ug/L	09/18/10	19:50	
61052-2	Ba	138.67936	138.62396	138.73477	0.05650	ug/L	09/18/10	19:50	
61052-2	Be	0.52055	0.51333	0.52778	1.96383	ug/L	09/18/10	19:50	
61052-2	Ca	30400.83203	30373.27148	30428.39062	0.12820	ug/L	09/18/10	19:50	
61052-2	Cd	1.34012	1.45219	1.22806	11.82614	ug/L	09/18/10	19:50	
61052-2	Co	15.38332	15.47172	15.29492	0.81267	ug/L	09/18/10	19:50	
61052-2	Cr	0.33163	0.54626	0.11701	91.52183	ug/L	09/18/10	19:50	
61052-2	Cu	5778.39257	5773.08935	5783.69628	0.12979	ug/L	09/18/10	19:50	
61052-2	Fe	112.17782	106.20672	118.14892	7.52769	ug/L	09/18/10	19:50	
61052-2	2Fe	0.11217	0.10620	0.11814	7.52731	mg/L	09/18/10	19:50	
61052-2	K	7158.43945	7158.50244	7158.37646	0.00124	ug/L	09/18/10	19:50	
61052-2	Mg	15005.15820	14989.47851	15020.83691	0.14777	ug/L	09/18/10	19:50	
61052-2	2Mg	15.00094	14.98526	15.01661	0.14776	mg/L	09/18/10	19:50	
61052-2	Mn	83.42170	83.36565	83.47776	0.09502	ug/L	09/18/10	19:50	
61052-2	Mo	5.01189	4.11424	5.90953	25.32898	ug/L	09/18/10	19:50	
61052-2	Na	697555.93750	697482.50000	697629.37500	0.01488	ug/L	09/18/10	19:50	
61052-2	Ni	13.37587	13.21055	13.54119	1.74789	ug/L	09/18/10	19:50	
61052-2	Pb	0.76108	1.67498	-0.15281	169.81649	ug/L	09/18/10	19:50	
61052-2	Se	4.77532	5.98851	3.56213	35.92866	ug/L	09/18/10	19:50	
61052-2	Sb	1.11430	-1.10295	3.33155	281.40264	ug/L	09/18/10	19:50	
61052-2	Sn	-0.69684	1.84320	-3.23689	515.49218	ug/L	09/18/10	19:50	
61052-2	Sr	169.42694	169.45442	169.39947	0.02293	ug/L	09/18/10	19:50	
61052-2	Ti	0.91902	0.81978	1.01827	15.27223	ug/L	09/18/10	19:50	
61052-2	Tl	5.05454	6.46586	3.64321	39.48754	ug/L	09/18/10	19:50	
61052-2	V	2.94437	2.96954	2.91920	1.20886	ug/L	09/18/10	19:50	
61052-2	Zn	35.34124	35.28055	35.40193	0.24287	ug/L	09/18/10	19:50	
61052-2	2203/1	3.12607	3.76090	2.49124	28.71906	ug/L	09/18/10	19:50	
61052-2	2203/2	-0.41963	0.63359	-1.47286	354.94763	ug/L	09/18/10	19:50	
61052-2	1960/1	3.61361	1.85569	5.37152	68.79737	ug/L	09/18/10	19:50	
61052-2	1960/2	5.35530	8.05182	2.65879	71.20876	ug/L	09/18/10	19:50	
61052-2	Y	955.01397	955.11437	954.91357	0.01486		09/18/10	19:50	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61056-1	Ag	0.17179	0.12420	0.21939	39.17850	ug/L	09/18/10	19:55	
61056-1	Al	11207.03125	11235.16894	11178.89257	0.35507	ug/L	09/18/10	19:55	
61056-1	2Al	11.20783	11.23627	11.17938	0.35893	mg/L	09/18/10	19:55	
61056-1	As	4.25153	4.51332	3.98974	8.70796	ug/L	09/18/10	19:55	
61056-1	B	212.62431	213.67396	211.57466	0.69814	ug/L	09/18/10	19:55	
61056-1	Ba	173.38665	173.82518	172.94812	0.35768	ug/L	09/18/10	19:55	
61056-1	Be	0.56000	0.54228	0.57772	4.47513	ug/L	09/18/10	19:55	
61056-1	Ca	71852.28125	71949.64843	71754.92187	0.19163	ug/L	09/18/10	19:55	
61056-1	Cd	-0.04466	-0.20709	0.11775	514.23999	ug/L	09/18/10	19:55	
61056-1	Co	6.86698	6.57637	7.15758	5.98481	ug/L	09/18/10	19:55	
61056-1	Cr	15.46063	14.89503	16.02622	5.17361	ug/L	09/18/10	19:55	
61056-1	Cu	8.95142	8.93025	8.97260	0.33454	ug/L	09/18/10	19:55	
61056-1	Fe	14591.19238	14606.17187	14576.21289	0.14518	ug/L	09/18/10	19:55	
61056-1	2Fe	14.59011	14.60509	14.57513	0.14518	mg/L	09/18/10	19:55	
61056-1	K	2068.48217	2065.20898	2071.75537	0.22378	ug/L	09/18/10	19:55	
61056-1	Mg	23502.55468	23542.51367	23462.59570	0.24044	ug/L	09/18/10	19:55	
61056-1	2Mg	23.49403	23.53398	23.45409	0.24045	mg/L	09/18/10	19:55	
61056-1	Mn	1496.85986	1498.95727	1494.76245	0.19816	ug/L	09/18/10	19:55	
61056-1	Mo	2.08442	0.51770	3.65114	106.29679	ug/L	09/18/10	19:55	
61056-1	Na	33917.25781	33945.96875	33888.55078	0.11970	ug/L	09/18/10	19:55	
61056-1	Ni	15.65980	15.23937	16.08024	3.79687	ug/L	09/18/10	19:55	
61056-1	Pb	7.17877	9.31757	5.03996	42.13431	ug/L	09/18/10	19:55	
61056-1	Se	-0.41820	-5.28981	4.45340	1647.38806	ug/L	09/18/10	19:55	
61056-1	Sb	0.43924	-2.60907	3.48757	981.44415	ug/L	09/18/10	19:55	
61056-1	Sn	1.29856	0.41874	2.17838	95.81741	ug/L	09/18/10	19:55	
61056-1	Sr	219.43139	220.23286	218.62992	0.51653	ug/L	09/18/10	19:55	
61056-1	Ti	149.92642	150.07540	149.77745	0.14052	ug/L	09/18/10	19:55	
61056-1	Tl	1.41540	2.46337	0.36744	104.70815	ug/L	09/18/10	19:55	
61056-1	V	21.49835	21.30136	21.69534	1.29583	ug/L	09/18/10	19:55	
61056-1	Zn	39.60450	39.80231	39.40669	0.70634	ug/L	09/18/10	19:55	
61056-1	2203/1	9.46869	8.58278	10.35460	13.23169	ug/L	09/18/10	19:55	
61056-1	2203/2	6.03552	9.68442	2.38663	85.49905	ug/L	09/18/10	19:55	
61056-1	1960/1	-3.06581	-0.61627	-5.51536	112.99373	ug/L	09/18/10	19:55	
61056-1	1960/2	0.90361	-7.62308	9.43031	1334.48498	ug/L	09/18/10	19:55	
61056-1	Y	976.18420	973.37750	978.99090	0.40661		09/18/10	19:55	
61067-1	Ag	0.09536	0.09472	0.09599	0.94529	ug/L	09/18/10	20:00	
61067-1	Al	161.47416	158.24482	164.70350	2.82830	ug/L	09/18/10	20:00	
61067-1	2Al	0.16149	0.15826	0.16471	2.82829	mg/L	09/18/10	20:00	
61067-1	As	9.90443	8.37329	11.43558	21.86261	ug/L	09/18/10	20:00	
61067-1	B	240.85476	239.74703	241.96250	0.65042	ug/L	09/18/10	20:00	
61067-1	Ba	27.53726	27.56563	27.50890	0.14567	ug/L	09/18/10	20:00	
61067-1	Be	-0.04703	-0.04129	-0.05276	17.24259	ug/L	09/18/10	20:00	
61067-1	Ca	30472.83007	30470.56054	30475.09960	0.01053	ug/L	09/18/10	20:00	
61067-1	Cd	-0.04460	0.03606	-0.12527	255.77642	ug/L	09/18/10	20:00	
61067-1	Co	0.63670	0.87403	0.39937	52.71401	ug/L	09/18/10	20:00	
61067-1	Cr	10.70127	10.45728	10.94525	3.22433	ug/L	09/18/10	20:00	
61067-1	Cu	12.46339	12.20052	12.72626	2.98277	ug/L	09/18/10	20:00	
61067-1	Fe	429.60632	431.80233	427.41027	0.72290	ug/L	09/18/10	20:00	
61067-1	2Fe	0.42957	0.43177	0.42737	0.72292	mg/L	09/18/10	20:00	
61067-1	K	12135.70019	12160.37500	12111.02539	0.28754	ug/L	09/18/10	20:00	
61067-1	Mg	4108.65283	4107.08740	4110.21826	0.05388	ug/L	09/18/10	20:00	
61067-1	2Mg	4.10743	4.10587	4.10900	0.05389	mg/L	09/18/10	20:00	
61067-1	Mn	39.76371	39.71517	39.81226	0.17265	ug/L	09/18/10	20:00	
61067-1	Mo	1.57391	1.04427	2.10354	47.58924	ug/L	09/18/10	20:00	
61067-1	Na	7196207.00000	7204483.00000	7187930.50000	0.16264	ug/L	09/18/10	20:00	
61067-1	Ni	30.68091	30.52421	30.83760	0.72227	ug/L	09/18/10	20:00	
61067-1	Pb	1.46510	3.06275	-0.13254	154.21501	ug/L	09/18/10	20:00	
61067-1	Se	-0.37887	-0.43463	-0.32312	20.81065	ug/L	09/18/10	20:00	
61067-1	Sb	3.09416	1.75412	4.43420	61.24778	ug/L	09/18/10	20:00	
61067-1	Sn	18.53717	19.42766	17.64668	6.79359	ug/L	09/18/10	20:00	
61067-1	Sr	99.39864	99.51274	99.28453	0.16234	ug/L	09/18/10	20:00	
61067-1	Ti	1.76709	1.70455	1.82964	5.00539	ug/L	09/18/10	20:00	
61067-1	Tl	-8.79804	-15.29087	-2.30521	104.36698	ug/L	09/18/10	20:00	
61067-1	V	0.21859	-0.40343	0.84063	402.42724	ug/L	09/18/10	20:00	
61067-1	Zn	50.32885	50.33253	50.32518	0.01032	ug/L	09/18/10	20:00	
61067-1	2203/1	-0.60266	0.66587	-1.87120	297.67453	ug/L	09/18/10	20:00	
61067-1	2203/2	2.49744	4.25940	0.73548	99.77342	ug/L	09/18/10	20:00	
61067-1	1960/1	28.71906	25.08041	32.35771	17.91781	ug/L	09/18/10	20:00	
61067-1	1960/2	-14.90604	-13.17303	-16.63904	16.44195	ug/L	09/18/10	20:00	
61067-1	Y	883.67242	886.30450	881.04034	0.42123		09/18/10	20:00	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61093-1	Ag	0.22270	0.66134	-0.21593	278.54708	ug/L	09/18/10	20:05	
61093-1	Al	425.92532	429.11795	422.73269	1.06005	ug/L	09/18/10	20:05	
61093-1	2Al	0.42596	0.42916	0.42277	1.06005	mg/L	09/18/10	20:05	
61093-1	As	-3.71595	-2.98315	-4.44874	27.88857	ug/L	09/18/10	20:05	
61093-1	B	66.10998	65.51915	66.70082	1.26389	ug/L	09/18/10	20:05	
61093-1	Ba	24.07821	24.09606	24.06035	0.10486	ug/L	09/18/10	20:05	
61093-1	Be	0.00664	0.00958	0.00370	62.58739	ug/L	09/18/10	20:05	
61093-1	Ca	62055.64843	62057.53125	62053.76953	0.00428	ug/L	09/18/10	20:05	
61093-1	Cd	-0.20008	-0.18809	-0.21208	8.47931	ug/L	09/18/10	20:05	
61093-1	Co	0.43418	0.13838	0.72998	96.34719	ug/L	09/18/10	20:05	
61093-1	Cr	0.49274	0.49365	0.49182	0.26301	ug/L	09/18/10	20:05	
61093-1	Cu	7.96921	7.44069	8.49772	9.37900	ug/L	09/18/10	20:05	
61093-1	Fe	694.23522	693.88519	694.58532	0.07131	ug/L	09/18/10	20:05	
61093-1	2Fe	0.69418	0.69383	0.69453	0.07136	mg/L	09/18/10	20:05	
61093-1	K	2679.95385	2694.96264	2664.94506	0.79201	ug/L	09/18/10	20:05	
61093-1	Mg	27397.16796	27409.86914	27384.46484	0.06556	ug/L	09/18/10	20:05	
61093-1	2Mg	27.38932	27.40202	27.37662	0.06556	mg/L	09/18/10	20:05	
61093-1	Mn	25.17627	25.20221	25.15033	0.14572	ug/L	09/18/10	20:05	
61093-1	Mo	61.41590	61.55205	61.27974	0.31351	ug/L	09/18/10	20:05	
61093-1	Na	11762.69726	11712.83691	11812.55664	0.59945	ug/L	09/18/10	20:05	
61093-1	Ni	19.46146	20.05165	18.87126	4.28881	ug/L	09/18/10	20:05	
61093-1	Pb	0.64030	1.11318	0.16742	104.44309	ug/L	09/18/10	20:05	
61093-1	Se	0.09070	4.02612	-3.84470	6135.56201	ug/L	09/18/10	20:05	
61093-1	Sb	3.83770	7.55251	0.12288	136.89279	ug/L	09/18/10	20:05	
61093-1	Sn	-2.73059	-3.71618	-1.74500	51.04505	ug/L	09/18/10	20:05	
61093-1	Sr	73.45733	73.37130	73.54335	0.16561	ug/L	09/18/10	20:05	
61093-1	Ti	0.36823	0.22693	0.50953	54.26754	ug/L	09/18/10	20:05	
61093-1	Tl	0.42031	3.21921	-2.37859	941.74279	ug/L	09/18/10	20:05	
61093-1	V	-0.04660	0.20873	-0.30193	774.88122	ug/L	09/18/10	20:05	
61093-1	Zn	17.66784	17.71431	17.62136	0.37201	ug/L	09/18/10	20:05	
61093-1	2203/1	1.27680	4.62904	-2.07543	371.30004	ug/L	09/18/10	20:05	
61093-1	2203/2	0.32253	-0.64210	1.28717	422.96234	ug/L	09/18/10	20:05	
61093-1	1960/1	-1.36181	4.25709	-6.98071	583.51135	ug/L	09/18/10	20:05	
61093-1	1960/2	0.81588	3.91081	-2.27905	536.46264	ug/L	09/18/10	20:05	
61093-1	Y	970.77160	969.78076	971.76245	0.14434		09/18/10	20:05	
61096-1	Ag	0.19898	-0.21697	0.61493	295.63174	ug/L	09/18/10	20:10	
61096-1	Al	3092.25952	3093.57836	3090.94067	0.06031	ug/L	09/18/10	20:10	
61096-1	2Al	3.09225	3.09346	3.09103	0.05556	mg/L	09/18/10	20:10	
61096-1	As	-2.35256	-3.70498	-1.00014	81.29873	ug/L	09/18/10	20:10	
61096-1	B	1282.89562	1281.52893	1284.26232	0.15065	ug/L	09/18/10	20:10	
61096-1	Ba	42.86829	42.78071	42.95587	0.28892	ug/L	09/18/10	20:10	
61096-1	Be	-0.00857	-0.00660	-0.01054	32.52205	ug/L	09/18/10	20:10	
61096-1	Ca	10056.12792	10067.06347	10045.19238	0.15378	ug/L	09/18/10	20:10	
61096-1	Cd	1.50852	1.59150	1.42555	7.77845	ug/L	09/18/10	20:10	
61096-1	Co	-0.42713	-0.49219	-0.36207	21.54077	ug/L	09/18/10	20:10	
61096-1	Cr	0.32299	-0.27460	0.92059	261.65338	ug/L	09/18/10	20:10	
61096-1	Cu	30.29192	30.35955	30.22430	0.31571	ug/L	09/18/10	20:10	
61096-1	Fe	11.42148	21.64355	1.19940	126.57025	ug/L	09/18/10	20:10	
61096-1	2Fe	0.01142	0.02164	0.00119	126.57109	mg/L	09/18/10	20:10	
61096-1	K	8743.48242	8749.14062	8737.82421	0.09151	ug/L	09/18/10	20:10	
61096-1	Mg	33.45944	32.15026	34.76861	5.53342	ug/L	09/18/10	20:10	
61096-1	2Mg	0.03344	0.03213	0.03475	5.54132	mg/L	09/18/10	20:10	
61096-1	Mn	0.96080	0.94019	0.98141	3.03331	ug/L	09/18/10	20:10	
61096-1	Mo	0.37382	0.37461	0.37303	0.29985	ug/L	09/18/10	20:10	
61096-1	Na	687855.75000	687908.00000	687803.50000	0.01074	ug/L	09/18/10	20:10	
61096-1	Ni	21.28573	21.66296	20.90851	2.50627	ug/L	09/18/10	20:10	
61096-1	Pb	0.24055	-0.06916	0.55028	182.08306	ug/L	09/18/10	20:10	
61096-1	Se	4.21558	4.00393	4.42723	7.10033	ug/L	09/18/10	20:10	
61096-1	Sb	-2.25557	0.00834	-4.51950	141.94476	ug/L	09/18/10	20:10	
61096-1	Sn	-0.45557	0.24437	-1.15551	217.28047	ug/L	09/18/10	20:10	
61096-1	Sr	160.76808	160.82920	160.70695	0.05377	ug/L	09/18/10	20:10	
61096-1	Ti	0.07844	-0.08623	0.24312	296.88757	ug/L	09/18/10	20:10	
61096-1	Tl	4.50063	-0.98542	9.98669	172.38575	ug/L	09/18/10	20:10	
61096-1	V	0.02399	-0.36783	0.41582	2309.36401	ug/L	09/18/10	20:10	
61096-1	Zn	8.97111	8.65469	9.28754	4.98812	ug/L	09/18/10	20:10	
61096-1	2203/1	3.44433	1.59838	5.29029	75.79325	ug/L	09/18/10	20:10	
61096-1	2203/2	-1.35892	-0.90168	-1.81616	47.58412	ug/L	09/18/10	20:10	
61096-1	1960/1	4.87717	2.92363	6.83071	56.64592	ug/L	09/18/10	20:10	
61096-1	1960/2	3.88528	4.54327	3.22730	23.95014	ug/L	09/18/10	20:10	
61096-1	Y	964.11065	961.53094	966.69036	0.37840		09/18/10	20:10	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61065-1	Ag	-0.09443	0.02592	-0.21479	180.25282	ug/L	09/18/10	20:16	
61065-1	Al	21.74383	23.89628	19.59139	13.99944	ug/L	09/18/10	20:16	
61065-1	2Al	0.02174	0.02389	0.01959	13.99948	mg/L	09/18/10	20:16	
61065-1	As	-2.08854	0.50595	-4.68305	175.68125	ug/L	09/18/10	20:16	
61065-1	B	20.78859	22.42353	19.15365	11.12221	ug/L	09/18/10	20:16	
61065-1	Ba	19.85480	19.79222	19.91737	0.44568	ug/L	09/18/10	20:16	
61065-1	Be	-0.00113	-0.02282	0.02056	2710.57275	ug/L	09/18/10	20:16	
61065-1	Ca	33330.95312	33308.83203	33353.07812	0.09386	ug/L	09/18/10	20:16	
61065-1	Cd	-0.21744	-0.28451	-0.15036	43.62330	ug/L	09/18/10	20:16	
61065-1	Co	0.15146	0.40433	-0.10141	236.11039	ug/L	09/18/10	20:16	
61065-1	Cr	0.16037	0.21795	0.10280	50.77054	ug/L	09/18/10	20:16	
61065-1	Cu	1.08477	1.47393	0.69560	50.73533	ug/L	09/18/10	20:16	
61065-1	Fe	49.50074	53.75704	45.24444	12.16005	ug/L	09/18/10	20:16	
61065-1	2Fe	0.04949	0.05375	0.04524	12.16033	mg/L	09/18/10	20:16	
61065-1	K	2074.90820	2076.06640	2073.75024	0.07893	ug/L	09/18/10	20:16	
61065-1	Mg	5037.21777	5036.31640	5038.11962	0.02531	ug/L	09/18/10	20:16	
61065-1	2Mg	5.03579	5.03488	5.03669	0.02532	mg/L	09/18/10	20:16	
61065-1	Mn	7.29982	7.33164	7.26799	0.61656	ug/L	09/18/10	20:16	
61065-1	Mo	0.83944	-0.35905	2.03794	201.91183	ug/L	09/18/10	20:16	
61065-1	Na	6636.38916	6537.26025	6735.51806	2.11243	ug/L	09/18/10	20:16	
61065-1	Ni	0.57488	0.87276	0.27701	73.27712	ug/L	09/18/10	20:16	
61065-1	Pb	-1.12005	0.33031	-2.57042	183.12803	ug/L	09/18/10	20:16	
61065-1	Se	2.18111	-1.51518	5.87741	239.66409	ug/L	09/18/10	20:16	
61065-1	Sb	-0.51797	-0.81684	-0.21910	81.59978	ug/L	09/18/10	20:16	
61065-1	Sn	-0.25825	-0.57096	0.05446	171.24581	ug/L	09/18/10	20:16	
61065-1	Sr	250.82609	250.74670	250.90548	0.04476	ug/L	09/18/10	20:16	
61065-1	Ti	0.00681	0.09131	-0.07769	1754.50988	ug/L	09/18/10	20:16	
61065-1	Tl	1.08437	1.52719	0.64154	57.75229	ug/L	09/18/10	20:16	
61065-1	V	0.26030	0.15783	0.36277	55.67252	ug/L	09/18/10	20:16	
61065-1	Zn	56.73548	56.74728	56.72368	0.02941	ug/L	09/18/10	20:16	
61065-1	2203/1	4.43531	4.40705	4.46357	0.90105	ug/L	09/18/10	20:16	
61065-1	2203/2	-3.89357	-1.70499	-6.08214	79.49288	ug/L	09/18/10	20:16	
61065-1	1960/1	3.37552	1.43517	5.31587	81.29323	ug/L	09/18/10	20:16	
61065-1	1960/2	1.58473	-2.98822	6.15769	408.08969	ug/L	09/18/10	20:16	
61065-1	Y	982.20355	981.04248	983.36462	0.16717		09/18/10	20:16	
61123-1	Ag	0.48854	0.94436	0.03272	131.94969	ug/L	09/18/10	20:21	
61123-1	Al	21735.10937	21699.92187	21770.29492	0.22894	ug/L	09/18/10	20:21	
61123-1	2Al	21.73597	21.70099	21.77095	0.22759	mg/L	09/18/10	20:21	
61123-1	As	-0.43342	-1.42874	0.56188	324.75704	ug/L	09/18/10	20:21	
61123-1	B	1067.04541	1064.53283	1069.55810	0.33301	ug/L	09/18/10	20:21	
61123-1	Ba	7.47254	7.49867	7.44642	0.49442	ug/L	09/18/10	20:21	
61123-1	Be	-0.00557	-0.01381	0.00267	209.22706	ug/L	09/18/10	20:21	
61123-1	Ca	8683.90039	8674.74804	8693.05371	0.14905	ug/L	09/18/10	20:21	
61123-1	Cd	-0.01676	-0.35890	0.32538	2886.96533	ug/L	09/18/10	20:21	
61123-1	Co	2.56772	2.66800	2.46744	5.52311	ug/L	09/18/10	20:21	
61123-1	Cr	6.46771	6.59842	6.33701	2.85791	ug/L	09/18/10	20:21	
61123-1	Cu	108.02026	107.87221	108.16830	0.19382	ug/L	09/18/10	20:21	
61123-1	Fe	421.97290	416.58325	427.36257	1.80630	ug/L	09/18/10	20:21	
61123-1	2Fe	0.42194	0.41655	0.42733	1.80628	mg/L	09/18/10	20:21	
61123-1	K	135045.00000	134936.68750	135153.32812	0.11343	ug/L	09/18/10	20:21	
61123-1	Mg	9088.49707	9080.38671	9096.60742	0.12620	ug/L	09/18/10	20:21	
61123-1	2Mg	9.08591	9.07780	9.09402	0.12619	mg/L	09/18/10	20:21	
61123-1	Mn	127.98579	127.83368	128.13790	0.16807	ug/L	09/18/10	20:21	
61123-1	Mo	49.61106	50.37930	48.84281	2.18995	ug/L	09/18/10	20:21	
61123-1	Na	2068468.50000	2068396.25000	2068540.87500	0.00494	ug/L	09/18/10	20:21	
61123-1	Ni	158.13227	156.17362	160.09092	1.75166	ug/L	09/18/10	20:21	
61123-1	Pb	4.53345	4.56717	4.49973	1.05186	ug/L	09/18/10	20:21	
61123-1	Se	2.31853	3.88217	0.75488	95.37639	ug/L	09/18/10	20:21	
61123-1	Sb	-0.60342	-2.29969	1.09284	397.54434	ug/L	09/18/10	20:21	
61123-1	Sn	16.28707	14.36753	18.20660	16.66741	ug/L	09/18/10	20:21	
61123-1	Sr	139.72460	139.44210	140.00709	0.28592	ug/L	09/18/10	20:21	
61123-1	Ti	16.78595	16.68899	16.88290	0.81683	ug/L	09/18/10	20:21	
61123-1	Tl	4.22180	4.48038	3.96322	8.66192	ug/L	09/18/10	20:21	
61123-1	V	25.37435	25.20147	25.54723	0.96352	ug/L	09/18/10	20:21	
61123-1	Zn	75.19818	75.26386	75.13251	0.12350	ug/L	09/18/10	20:21	
61123-1	2203/1	7.21199	7.07110	7.35289	2.76284	ug/L	09/18/10	20:21	
61123-1	2203/2	3.19619	3.31709	3.07530	5.34923	ug/L	09/18/10	20:21	
61123-1	1960/1	1.34466	-0.72164	3.41097	217.31890	ug/L	09/18/10	20:21	
61123-1	1960/2	2.80473	6.18064	-0.57117	170.22120	ug/L	09/18/10	20:21	
61123-1	Y	935.48931	933.95281	937.02581	0.23227		09/18/10	20:21	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61124-1	Ag	0.95680	0.29207	1.62152	98.25048	ug/L	09/18/10	20:26	
61124-1	Al	7761.45703	7754.70996	7768.20410	0.12293	ug/L	09/18/10	20:26	
61124-1	2Al	7.76164	7.75470	7.76858	0.12644	mg/L	09/18/10	20:26	
61124-1	As	22.64640	21.42907	23.86372	7.60190	ug/L	09/18/10	20:26	
61124-1	B	56045.46093	56070.61328	56020.30468	0.06347	ug/L	09/18/10	20:26	
61124-1	Ba	126.81733	126.86758	126.76708	0.05603	ug/L	09/18/10	20:26	
61124-1	Be	1.34304	1.32538	1.36069	1.85886	ug/L	09/18/10	20:26	
61124-1	Ca	79371.32812	79299.54687	79443.10937	0.12789	ug/L	09/18/10	20:26	
61124-1	Cd	5.77764	5.61886	5.93641	3.88635	ug/L	09/18/10	20:26	
61124-1	Co	11.42788	11.39094	11.46482	0.45711	ug/L	09/18/10	20:26	
61124-1	Cr	57.54277	57.26210	57.82344	0.68980	ug/L	09/18/10	20:26	
61124-1	Cu	1873.30627	1874.73486	1871.87768	0.10784	ug/L	09/18/10	20:26	
61124-1	Fe	41112.08593	41118.22265	41105.95312	0.02110	ug/L	09/18/10	20:26	
61124-1	2Fe	41.10604	41.11119	41.10091	0.01768	mg/L	09/18/10	20:26	
61124-1	K	31056.65039	31073.49218	31039.80859	0.07669	ug/L	09/18/10	20:26	
61124-1	Mg	10945.61523	10929.26269	10961.96679	0.21127	ug/L	09/18/10	20:26	
61124-1	2Mg	10.93586	10.91951	10.95221	0.21140	mg/L	09/18/10	20:26	
61124-1	Mn	1235.54162	1235.63415	1235.44909	0.01059	ug/L	09/18/10	20:26	
61124-1	Mo	391.52349	394.22732	388.81970	0.97663	ug/L	09/18/10	20:26	
61124-1	Na	1196444.12500	1193071.50000	1199816.75000	0.39864	ug/L	09/18/10	20:26	
61124-1	Ni	56.54603	56.90114	56.19092	0.88812	ug/L	09/18/10	20:26	
61124-1	Pb	405.40515	404.73916	406.07113	0.23232	ug/L	09/18/10	20:26	
61124-1	Se	-3.27852	-3.06969	-3.48735	9.00815	ug/L	09/18/10	20:26	
61124-1	Sb	17.41884	17.53029	17.30740	0.90478	ug/L	09/18/10	20:26	
61124-1	Sn	62.37443	59.20795	65.54092	7.17936	ug/L	09/18/10	20:26	
61124-1	Sr	435.51959	435.92846	435.11074	0.13276	ug/L	09/18/10	20:26	
61124-1	Ti	76.91905	76.79714	77.04096	0.22413	ug/L	09/18/10	20:26	
61124-1	Tl	-3.22970	1.08464	-7.54405	188.91522	ug/L	09/18/10	20:26	
61124-1	V	13.14938	13.12357	13.17519	0.27756	ug/L	09/18/10	20:26	
61124-1	Zn	2907.88427	2906.77832	2908.99023	0.05378	ug/L	09/18/10	20:26	
61124-1	2203/1	403.08093	403.53298	402.62887	0.15860	ug/L	09/18/10	20:26	
61124-1	2203/2	406.56552	405.34136	407.78967	0.42581	ug/L	09/18/10	20:26	
61124-1	1960/1	38.42430	39.69122	37.15737	4.66293	ug/L	09/18/10	20:26	
61124-1	1960/2	-24.09867	-24.41809	-23.77925	1.87448	ug/L	09/18/10	20:26	
61124-1	Y	1034.16015	1035.95422	1032.36608	0.24533		09/18/10	20:26	
61124-2	Ag	0.37323	0.52067	0.22580	55.86305	ug/L	09/18/10	20:31	
61124-2	Al	233.11163	231.85861	234.36466	0.76017	ug/L	09/18/10	20:31	
61124-2	2Al	0.23313	0.23188	0.23438	0.76017	mg/L	09/18/10	20:31	
61124-2	As	15.25936	13.32092	17.19779	17.96515	ug/L	09/18/10	20:31	
61124-2	B	56206.10937	56166.02734	56246.19531	0.10085	ug/L	09/18/10	20:31	
61124-2	Ba	0.28250	0.28243	0.28258	0.03739	ug/L	09/18/10	20:31	
61124-2	Be	-0.04415	-0.03331	-0.05500	34.73324	ug/L	09/18/10	20:31	
61124-2	Ca	3730.36352	3728.72900	3731.99804	0.06196	ug/L	09/18/10	20:31	
61124-2	Cd	1.90182	2.04959	1.75405	10.98854	ug/L	09/18/10	20:31	
61124-2	Co	4.76489	4.33196	5.19782	12.84918	ug/L	09/18/10	20:31	
61124-2	Cr	2.82982	2.36340	3.29624	23.30937	ug/L	09/18/10	20:31	
61124-2	Cu	1.90927	1.55725	2.26129	26.07461	ug/L	09/18/10	20:31	
61124-2	Fe	2618.74462	2614.78564	2622.70361	0.21379	ug/L	09/18/10	20:31	
61124-2	2Fe	2.61855	2.61459	2.62251	0.21380	mg/L	09/18/10	20:31	
61124-2	K	28004.83398	28002.40625	28007.26171	0.01225	ug/L	09/18/10	20:31	
61124-2	Mg	2602.64794	2601.89160	2603.40454	0.04110	ug/L	09/18/10	20:31	
61124-2	2Mg	2.60146	2.60070	2.60222	0.04107	mg/L	09/18/10	20:31	
61124-2	Mn	26.84707	26.87452	26.81962	0.14459	ug/L	09/18/10	20:31	
61124-2	Mo	243.82608	243.23519	244.41697	0.34272	ug/L	09/18/10	20:31	
61124-2	Na	1194145.12500	1193562.75000	1194727.50000	0.06897	ug/L	09/18/10	20:31	
61124-2	Ni	32.18532	31.32228	33.04836	3.79216	ug/L	09/18/10	20:31	
61124-2	Pb	65.66912	64.13961	67.19864	3.29388	ug/L	09/18/10	20:31	
61124-2	Se	-4.08250	-6.05881	-2.10619	68.46089	ug/L	09/18/10	20:31	
61124-2	Sb	15.09533	14.21624	15.97443	8.23583	ug/L	09/18/10	20:31	
61124-2	Sn	17.49204	17.10342	17.88066	3.14194	ug/L	09/18/10	20:31	
61124-2	Sr	18.40418	18.39189	18.41647	0.09443	ug/L	09/18/10	20:31	
61124-2	Ti	0.71543	0.64977	0.78109	12.97923	ug/L	09/18/10	20:31	
61124-2	Tl	-2.52619	0.79585	-5.84825	185.97482	ug/L	09/18/10	20:31	
61124-2	V	4.90031	4.79212	5.00851	3.12235	ug/L	09/18/10	20:31	
61124-2	Zn	781.84863	782.30334	781.39385	0.08225	ug/L	09/18/10	20:31	
61124-2	2203/1	65.19987	65.67247	64.72728	1.02507	ug/L	09/18/10	20:31	
61124-2	2203/2	65.90339	63.37432	68.43247	5.42710	ug/L	09/18/10	20:31	
61124-2	1960/1	21.26993	24.03751	18.50234	18.40135	ug/L	09/18/10	20:31	
61124-2	1960/2	-16.73972	-21.08442	-12.39502	36.70509	ug/L	09/18/10	20:31	
61124-2	Y	961.05078	961.33013	960.77142	0.04110		09/18/10	20:31	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	489.68231	491.14248	488.22210	0.42170	ug/L	09/18/10	20:36	
CCV	Al	4801.78857	4814.32519	4789.25195	0.36922	ug/L	09/18/10	20:36	
CCV	2Al	4.80211	4.81475	4.78947	0.37223	mg/L	09/18/10	20:36	
CCV	As	496.38659	496.00973	496.76342	0.10736	ug/L	09/18/10	20:36	
CCV	B	5257.85449	5311.29833	5204.41113	1.43748	ug/L	09/18/10	20:36	
CCV	Ba	4908.87158	4915.46191	4902.28125	0.18986	ug/L	09/18/10	20:36	
CCV	Be	499.22802	500.43218	498.02389	0.34111	ug/L	09/18/10	20:36	
CCV	Ca	4912.74707	4918.77246	4906.72119	0.17345	ug/L	09/18/10	20:36	
CCV	Cd	507.11468	507.82220	506.40719	0.19730	ug/L	09/18/10	20:36	
CCV	Co	491.94534	493.37625	490.51443	0.41134	ug/L	09/18/10	20:36	
CCV	Cr	4984.53515	4993.88476	4975.18603	0.26526	ug/L	09/18/10	20:36	
CCV	Cu	4871.96386	4882.03662	4861.89160	0.29238	ug/L	09/18/10	20:36	
CCV	Fe	4887.56542	4893.85449	4881.27636	0.18197	ug/L	09/18/10	20:36	
CCV	2Fe	4.88782	4.89411	4.88153	0.18198	mg/L	09/18/10	20:36	
CCV	K	9650.46093	9658.60839	9642.31347	0.11939	ug/L	09/18/10	20:36	
CCV	Mg	4980.56347	4994.48632	4966.64111	0.39532	ug/L	09/18/10	20:36	
CCV	2Mg	4.98057	4.99449	4.96665	0.39532	mg/L	09/18/10	20:36	
CCV	Mn	4965.95996	4976.92724	4954.99218	0.31233	ug/L	09/18/10	20:36	
CCV	Mo	505.41931	507.24771	503.59094	0.51160	ug/L	09/18/10	20:36	
CCV	Na	7633.01953	7542.64697	7723.39208	1.67438	ug/L	09/18/10	20:36	
CCV	Ni	2495.33959	2496.89624	2493.78295	0.08822	ug/L	09/18/10	20:36	
CCV	Pb	507.78289	506.27395	509.29187	0.42025	ug/L	09/18/10	20:36	
CCV	Se	5069.83691	5083.00537	5056.66894	0.36732	ug/L	09/18/10	20:36	
CCV	Sb	491.77151	492.75662	490.78640	0.28329	ug/L	09/18/10	20:36	
CCV	Sn	5000.33886	5010.04492	4990.63330	0.27450	ug/L	09/18/10	20:36	
CCV	Sr	2528.36889	2530.32666	2526.41113	0.10950	ug/L	09/18/10	20:36	
CCV	Ti	490.90612	491.15209	490.66015	0.07086	ug/L	09/18/10	20:36	
CCV	Tl	5086.00878	5095.95068	5076.06738	0.27643	ug/L	09/18/10	20:36	
CCV	V	4899.28955	4910.33544	4888.24365	0.31884	ug/L	09/18/10	20:36	
CCV	Zn	2502.50732	2508.10571	2496.90869	0.31638	ug/L	09/18/10	20:36	
CCV	2203/1	503.88464	502.24816	505.52108	0.45929	ug/L	09/18/10	20:36	
CCV	2203/2	509.72488	508.27960	511.17016	0.40098	ug/L	09/18/10	20:36	
CCV	1960/1	4972.70312	4975.51757	4969.88818	0.08004	ug/L	09/18/10	20:36	
CCV	1960/2	5118.33203	5136.66894	5099.99462	0.50666	ug/L	09/18/10	20:36	
CCV	Y	974.08465	975.71716	972.45214	0.23701		09/18/10	20:36	
CCB	Ag	0.07606	-0.36165	0.51379	813.78289	ug/L	09/18/10	20:41	
CCB	Al	16.55477	15.15504	17.95450	11.95738	ug/L	09/18/10	20:41	
CCB	2Al	0.01655	0.01515	0.01795	11.95734	mg/L	09/18/10	20:41	
CCB	As	-0.37820	-1.09115	0.33473	266.58599	ug/L	09/18/10	20:41	
CCB	B	155.89608	168.11788	143.67430	11.08701	ug/L	09/18/10	20:41	
CCB	Ba	0.37995	0.07900	0.68091	112.01657	ug/L	09/18/10	20:41	
CCB	Be	0.03154	0.00723	0.05585	108.97931	ug/L	09/18/10	20:41	
CCB	Ca	-0.07173	-1.95188	1.80841	3706.56274	ug/L	09/18/10	20:41	
CCB	Cd	0.25840	0.20320	0.31360	30.20822	ug/L	09/18/10	20:41	
CCB	Co	0.08705	0.48920	-0.31510	653.32403	ug/L	09/18/10	20:41	
CCB	Cr	1.04767	0.75925	1.33609	38.93291	ug/L	09/18/10	20:41	
CCB	Cu	-0.17635	-0.47118	0.11847	236.42781	ug/L	09/18/10	20:41	
CCB	Fe	5.39337	8.53350	2.25323	82.33850	ug/L	09/18/10	20:41	
CCB	2Fe	0.00539	0.00853	0.00225	82.33857	mg/L	09/18/10	20:41	
CCB	K	-5.40142	-4.83418	-5.96865	14.85144	ug/L	09/18/10	20:41	
CCB	Mg	-0.05341	1.33037	-1.43720	3663.72021	ug/L	09/18/10	20:41	
CCB	2Mg	-0.00005	0.00132	-0.00143	3611.55468	mg/L	09/18/10	20:41	
CCB	Mn	0.44629	0.11442	0.77816	105.16164	ug/L	09/18/10	20:41	
CCB	Mo	-0.73077	0.51801	-1.97957	241.66893	ug/L	09/18/10	20:41	
CCB	Na	-137.71734	-215.21260	-60.22207	79.57955	ug/L	09/18/10	20:41	
CCB	Ni	1.00543	0.23312	1.77774	108.63020	ug/L	09/18/10	20:41	
CCB	Pb	1.18030	0.62389	1.73672	66.66834	ug/L	09/18/10	20:41	
CCB	Se	7.94026	8.87588	7.00464	16.66398	ug/L	09/18/10	20:41	
CCB	Sb	4.21371	4.62097	3.80646	13.66843	ug/L	09/18/10	20:41	
CCB	Sn	1.21396	-0.23441	2.66235	168.72988	ug/L	09/18/10	20:41	
CCB	Sr	0.22430	0.08388	0.36472	88.53564	ug/L	09/18/10	20:41	
CCB	Ti	0.18619	0.27276	0.09961	65.75615	ug/L	09/18/10	20:41	
CCB	Tl	5.54086	6.50356	4.57817	24.57107	ug/L	09/18/10	20:41	
CCB	V	0.41193	-0.51278	1.33665	317.46585	ug/L	09/18/10	20:41	
CCB	Zn	0.43103	0.62714	0.23492	64.34383	ug/L	09/18/10	20:41	
CCB	2203/1	-0.55183	-1.06917	-0.03449	132.57998	ug/L	09/18/10	20:41	
CCB	2203/2	2.04508	1.46915	2.62101	39.82636	ug/L	09/18/10	20:41	
CCB	1960/1	1.13769	0.74885	1.52654	48.33502	ug/L	09/18/10	20:41	
CCB	1960/2	11.33644	12.93330	9.73959	19.92067	ug/L	09/18/10	20:41	
CCB	Y	972.23388	972.68786	971.77990	0.06603		09/18/10	20:41	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61124-4	Ag	0.14995	-0.26543	0.56535	391.74908	ug/L	09/18/10	20:47	
61124-4	Al	128.66221	122.54413	134.78030	6.72480	ug/L	09/18/10	20:47	
61124-4	2Al	0.12867	0.12255	0.13479	6.72479	mg/L	09/18/10	20:47	
61124-4	As	5.42114	5.85995	4.98234	11.44710	ug/L	09/18/10	20:47	
61124-4	B	26039.69335	25973.62109	26105.76562	0.35883	ug/L	09/18/10	20:47	
61124-4	Ba	0.41538	0.41568	0.41507	0.10365	ug/L	09/18/10	20:47	
61124-4	Be	-0.01543	-0.01601	-0.01486	5.28414	ug/L	09/18/10	20:47	
61124-4	Ca	13756.71875	13737.55566	13775.88183	0.19699	ug/L	09/18/10	20:47	
61124-4	Cd	0.99522	1.05208	0.93836	8.07944	ug/L	09/18/10	20:47	
61124-4	Co	2.61792	2.30496	2.93088	16.90621	ug/L	09/18/10	20:47	
61124-4	Cr	2.25085	2.31048	2.19121	3.74688	ug/L	09/18/10	20:47	
61124-4	Cu	45.22354	45.19289	45.25419	0.09585	ug/L	09/18/10	20:47	
61124-4	Fe	2690.11914	2678.86840	2701.36962	0.59145	ug/L	09/18/10	20:47	
61124-4	2Fe	2.68992	2.67867	2.70117	0.59147	mg/L	09/18/10	20:47	
61124-4	K	9181.09179	9149.20703	9212.97753	0.49114	ug/L	09/18/10	20:47	
61124-4	Mg	5385.15429	5379.60644	5390.70166	0.14568	ug/L	09/18/10	20:47	
61124-4	2Mg	5.38318	5.37763	5.38872	0.14563	mg/L	09/18/10	20:47	
61124-4	Mn	45.89991	45.84811	45.95172	0.15961	ug/L	09/18/10	20:47	
61124-4	Mo	137.60784	135.90611	139.30957	1.74888	ug/L	09/18/10	20:47	
61124-4	Na	313870.84375	313345.03125	314396.65625	0.23691	ug/L	09/18/10	20:47	
61124-4	Ni	15.19685	15.67103	14.72267	4.41271	ug/L	09/18/10	20:47	
61124-4	Pb	33.35338	32.96038	33.74637	1.66634	ug/L	09/18/10	20:47	
61124-4	Se	-0.14162	-2.37951	2.09626	2234.67675	ug/L	09/18/10	20:47	
61124-4	Sb	8.39245	6.56683	10.21807	30.76350	ug/L	09/18/10	20:47	
61124-4	Sn	5.93431	5.59811	6.27051	8.01204	ug/L	09/18/10	20:47	
61124-4	Sr	120.94827	120.79505	121.10150	0.17916	ug/L	09/18/10	20:47	
61124-4	Ti	0.51192	0.51170	0.51214	0.06110	ug/L	09/18/10	20:47	
61124-4	Tl	1.16063	0.49692	1.82434	80.87155	ug/L	09/18/10	20:47	
61124-4	V	2.21866	1.44436	2.99297	49.35540	ug/L	09/18/10	20:47	
61124-4	Zn	237.85217	237.72718	237.97717	0.07431	ug/L	09/18/10	20:47	
61124-4	2203/1	34.23123	33.28546	35.17700	3.90732	ug/L	09/18/10	20:47	
61124-4	2203/2	32.91511	32.79808	33.03213	0.50280	ug/L	09/18/10	20:47	
61124-4	1960/1	1.79027	-2.91329	6.49384	371.55514	ug/L	09/18/10	20:47	
61124-4	1960/2	-1.10612	-2.11302	-0.09922	128.73562	ug/L	09/18/10	20:47	
61124-4	Y	966.88677	966.13165	967.64190	0.11044		09/18/10	20:47	
61173-1	Ag	0.22267	0.41829	0.02705	124.23822	ug/L	09/18/10	20:52	
61173-1	Al	22.51490	18.80779	26.22200	23.28516	ug/L	09/18/10	20:52	
61173-1	2Al	0.02251	0.01880	0.02622	23.28516	mg/L	09/18/10	20:52	
61173-1	As	-2.67289	-4.05787	-1.28790	73.27883	ug/L	09/18/10	20:52	
61173-1	B	170.34103	193.31005	147.37202	19.06944	ug/L	09/18/10	20:52	
61173-1	Ba	1.55131	1.47486	1.62775	6.96890	ug/L	09/18/10	20:52	
61173-1	Be	0.00266	0.01175	-0.00643	483.42214	ug/L	09/18/10	20:52	
61173-1	Ca	221.43803	220.77497	222.10108	0.42346	ug/L	09/18/10	20:52	
61173-1	Cd	0.05674	0.16608	-0.05259	272.50085	ug/L	09/18/10	20:52	
61173-1	Co	-0.23401	-0.38919	-0.07884	93.77575	ug/L	09/18/10	20:52	
61173-1	Cr	0.10903	0.22541	-0.00734	150.94876	ug/L	09/18/10	20:52	
61173-1	Cu	0.19851	0.43927	-0.04225	171.52595	ug/L	09/18/10	20:52	
61173-1	Fe	13.96319	20.40723	7.51914	65.26629	ug/L	09/18/10	20:52	
61173-1	2Fe	0.01396	0.02040	0.00751	65.26607	mg/L	09/18/10	20:52	
61173-1	K	35.48927	31.34991	39.62863	16.49495	ug/L	09/18/10	20:52	
61173-1	Mg	45.72032	45.83365	45.60698	0.35055	ug/L	09/18/10	20:52	
61173-1	2Mg	0.04570	0.04581	0.04559	0.34700	mg/L	09/18/10	20:52	
61173-1	Mn	1.30245	1.25949	1.34542	4.66514	ug/L	09/18/10	20:52	
61173-1	Mo	-0.18021	-0.36469	0.00426	144.76492	ug/L	09/18/10	20:52	
61173-1	Na	2047.44287	2068.13037	2026.75537	1.42893	ug/L	09/18/10	20:52	
61173-1	Ni	-0.85040	-1.73726	0.03646	147.48541	ug/L	09/18/10	20:52	
61173-1	Pb	2.32365	2.35135	2.29594	1.68593	ug/L	09/18/10	20:52	
61173-1	Se	2.78839	2.42254	3.15423	18.55476	ug/L	09/18/10	20:52	
61173-1	Sb	-1.25130	-3.05465	0.55204	203.81294	ug/L	09/18/10	20:52	
61173-1	Sn	0.81099	2.36508	-0.74308	271.00000	ug/L	09/18/10	20:52	
61173-1	Sr	3.43485	3.43001	3.43969	0.19943	ug/L	09/18/10	20:52	
61173-1	Ti	0.11185	0.10006	0.12363	14.90085	ug/L	09/18/10	20:52	
61173-1	Tl	-5.72097	-10.03146	-1.41047	106.55461	ug/L	09/18/10	20:52	
61173-1	V	0.46227	0.61819	0.30635	47.69869	ug/L	09/18/10	20:52	
61173-1	Zn	61119.64062	61132.77343	61106.50390	0.03039	ug/L	09/18/10	20:52	
61173-1	2203/1	0.73037	-2.14788	3.60863	557.31427	ug/L	09/18/10	20:52	
61173-1	2203/2	3.11909	4.59759	1.64059	67.03613	ug/L	09/18/10	20:52	
61173-1	1960/1	-1.93566	-2.14053	-1.73078	14.96811	ug/L	09/18/10	20:52	
61173-1	1960/2	5.14687	4.70066	5.59308	12.26049	ug/L	09/18/10	20:52	
61173-1	Y	970.99426	968.53234	973.45611	0.35856		09/18/10	20:52	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61181-1	Ag	0.05505	-0.16791	0.27802	572.74298	ug/L	09/18/10	20:57	
61181-1	Al	238.98165	241.02764	236.93566	1.21074	ug/L	09/18/10	20:57	
61181-1	2Al	0.23900	0.24105	0.23695	1.21074	mg/L	09/18/10	20:57	
61181-1	As	-1.24348	-1.80302	-0.68395	63.63573	ug/L	09/18/10	20:57	
61181-1	B	98.87870	104.79225	92.96515	8.45785	ug/L	09/18/10	20:57	
61181-1	Ba	32.02854	31.90175	32.15533	0.55983	ug/L	09/18/10	20:57	
61181-1	Be	0.00446	0.02782	-0.01890	740.67346	ug/L	09/18/10	20:57	
61181-1	Ca	6105.87890	6093.22949	6118.52880	0.29298	ug/L	09/18/10	20:57	
61181-1	Cd	-0.15335	0.07734	-0.38405	212.74305	ug/L	09/18/10	20:57	
61181-1	Co	-0.52007	-0.70054	-0.33960	49.07412	ug/L	09/18/10	20:57	
61181-1	Cr	0.58235	0.93024	0.23445	84.48442	ug/L	09/18/10	20:57	
61181-1	Cu	1.80802	2.32894	1.28710	40.74580	ug/L	09/18/10	20:57	
61181-1	Fe	74.77317	66.98017	82.56617	14.73919	ug/L	09/18/10	20:57	
61181-1	2Fe	0.07476	0.06697	0.08256	14.73931	mg/L	09/18/10	20:57	
61181-1	K	2033.38061	2031.29553	2035.46582	0.14502	ug/L	09/18/10	20:57	
61181-1	Mg	3250.98291	3254.94653	3247.01928	0.17242	ug/L	09/18/10	20:57	
61181-1	2Mg	3.25005	3.25401	3.24609	0.17248	mg/L	09/18/10	20:57	
61181-1	Mn	8.20330	8.17141	8.23519	0.54977	ug/L	09/18/10	20:57	
61181-1	Mo	-0.00006	0.97061	-0.97074	2105195.75000	ug/L	09/18/10	20:57	
61181-1	Na	6021.64941	5923.26367	6120.03515	2.31063	ug/L	09/18/10	20:57	
61181-1	Ni	3.18487	2.70105	3.66870	21.48381	ug/L	09/18/10	20:57	
61181-1	Pb	1.13925	2.22022	0.05828	134.18656	ug/L	09/18/10	20:57	
61181-1	Se	3.69133	4.28399	3.09866	22.70606	ug/L	09/18/10	20:57	
61181-1	Sb	1.35591	2.28434	0.42747	96.83601	ug/L	09/18/10	20:57	
61181-1	Sn	-1.03198	-1.21855	-0.84541	25.56737	ug/L	09/18/10	20:57	
61181-1	Sr	214.66795	214.01353	215.32237	0.43112	ug/L	09/18/10	20:57	
61181-1	Ti	0.05446	0.01193	0.09700	110.43737	ug/L	09/18/10	20:57	
61181-1	Tl	-1.27431	-4.04147	1.49285	307.09609	ug/L	09/18/10	20:57	
61181-1	V	0.69588	0.77627	0.61549	16.33768	ug/L	09/18/10	20:57	
61181-1	Zn	22.16705	22.29780	22.03629	0.83419	ug/L	09/18/10	20:57	
61181-1	2203/1	4.24506	4.41481	4.07532	5.65485	ug/L	09/18/10	20:57	
61181-1	2203/2	-0.41129	1.12464	-1.94722	528.12579	ug/L	09/18/10	20:57	
61181-1	1960/1	0.57199	-2.07912	3.22311	655.47113	ug/L	09/18/10	20:57	
61181-1	1960/2	5.24864	7.46074	3.03653	59.60378	ug/L	09/18/10	20:57	
61181-1	Y	956.44134	959.41827	953.46441	0.44017		09/18/10	20:57	
61181-2	Ag	-0.02178	-0.36262	0.31905	2212.81518	ug/L	09/18/10	21:02	
61181-2	Al	246.87210	246.44468	247.29949	0.24484	ug/L	09/18/10	21:02	
61181-2	2Al	0.24689	0.24646	0.24732	0.24484	mg/L	09/18/10	21:02	
61181-2	As	-3.58621	-1.48152	-5.69089	82.99780	ug/L	09/18/10	21:02	
61181-2	B	69.86509	74.00634	65.72385	8.38272	ug/L	09/18/10	21:02	
61181-2	Ba	59.30161	59.26713	59.33609	0.08222	ug/L	09/18/10	21:02	
61181-2	Be	0.00924	0.01876	-0.00028	145.78793	ug/L	09/18/10	21:02	
61181-2	Ca	1839.73364	1840.49157	1838.97570	0.05826	ug/L	09/18/10	21:02	
61181-2	Cd	-0.28540	-0.27164	-0.29917	6.82059	ug/L	09/18/10	21:02	
61181-2	Co	-0.28996	0.22337	-0.80329	250.36520	ug/L	09/18/10	21:02	
61181-2	Cr	0.09037	0.41765	-0.23691	512.16735	ug/L	09/18/10	21:02	
61181-2	Cu	11.04520	11.22430	10.86610	2.29320	ug/L	09/18/10	21:02	
61181-2	Fe	17.10894	-12.71362	46.93150	246.51132	ug/L	09/18/10	21:02	
61181-2	2Fe	0.01710	-0.01271	0.04692	246.51022	mg/L	09/18/10	21:02	
61181-2	K	1641.61730	1638.43579	1644.79882	0.27408	ug/L	09/18/10	21:02	
61181-2	Mg	937.98400	940.93829	935.02966	0.44542	ug/L	09/18/10	21:02	
61181-2	2Mg	0.93771	0.94067	0.93475	0.44622	mg/L	09/18/10	21:02	
61181-2	Mn	1.57178	1.65036	1.49319	7.07061	ug/L	09/18/10	21:02	
61181-2	Mo	-2.53652	-3.97551	-1.09753	80.22942	ug/L	09/18/10	21:02	
61181-2	Na	3439.22900	3515.32958	3363.12841	3.12926	ug/L	09/18/10	21:02	
61181-2	Ni	1.09009	1.18648	0.99370	12.50523	ug/L	09/18/10	21:02	
61181-2	Pb	1.71860	0.17327	3.26392	127.16266	ug/L	09/18/10	21:02	
61181-2	Se	2.61683	-0.41729	5.65095	163.97332	ug/L	09/18/10	21:02	
61181-2	Sb	-1.98652	-3.94124	-0.03181	139.15646	ug/L	09/18/10	21:02	
61181-2	Sn	0.49823	2.03096	-1.03449	435.05648	ug/L	09/18/10	21:02	
61181-2	Sr	16.76467	16.82032	16.70902	0.46944	ug/L	09/18/10	21:02	
61181-2	Ti	0.23293	0.26496	0.20090	19.44555	ug/L	09/18/10	21:02	
61181-2	Tl	0.62914	-3.94863	5.20692	1029.00305	ug/L	09/18/10	21:02	
61181-2	V	0.66656	0.82278	0.51035	33.14340	ug/L	09/18/10	21:02	
61181-2	Zn	23.16644	23.20623	23.12664	0.24291	ug/L	09/18/10	21:02	
61181-2	2203/1	1.63620	-3.71301	6.98542	462.34631	ug/L	09/18/10	21:02	
61181-2	2203/2	1.75973	2.11350	1.40596	28.43080	ug/L	09/18/10	21:02	
61181-2	1960/1	-1.75889	-4.44922	0.93143	216.31185	ug/L	09/18/10	21:02	
61181-2	1960/2	4.80141	1.59564	8.00718	94.42301	ug/L	09/18/10	21:02	
61181-2	Y	970.47485	968.84667	972.10296	0.23725		09/18/10	21:02	

0091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 179841	Ag	-0.19259	-0.74726	0.36207	407.29837	ug/L	09/18/10	21:07	
PBW 179841	Al	9.68619	4.44159	14.93080	76.57274	ug/L	09/18/10	21:07	
PBW 179841	2Al	0.00968	0.00444	0.01493	76.57274	mg/L	09/18/10	21:07	
PBW 179841	As	-1.14283	-1.61119	-0.67447	57.95771	ug/L	09/18/10	21:07	
PBW 179841	B	35.90798	37.38782	34.42814	5.82825	ug/L	09/18/10	21:07	
PBW 179841	Ba	-0.27251	-0.21374	-0.33128	30.49926	ug/L	09/18/10	21:07	
PBW 179841	Be	-0.00913	-0.00388	-0.01439	81.31217	ug/L	09/18/10	21:07	
PBW 179841	Ca	21.97586	21.63562	22.31610	2.18955	ug/L	09/18/10	21:07	
PBW 179841	Cd	-0.37660	-0.13520	-0.61800	90.64844	ug/L	09/18/10	21:07	
PBW 179841	Co	0.05986	0.22781	-0.10808	396.73339	ug/L	09/18/10	21:07	
PBW 179841	Cr	0.00976	0.25795	-0.23842	3593.69140	ug/L	09/18/10	21:07	
PBW 179841	Cu	-0.68020	-0.36844	-0.99195	64.81743	ug/L	09/18/10	21:07	
PBW 179841	Fe	-3.15712	-15.81806	9.50381	567.13867	ug/L	09/18/10	21:07	
PBW 179841	2Fe	-0.00315	-0.01581	0.00950	567.13391	mg/L	09/18/10	21:07	
PBW 179841	K	-18.22466	-26.64634	-9.80298	65.35131	ug/L	09/18/10	21:07	
PBW 179841	Mg	1.32778	1.32565	1.32992	0.22752	ug/L	09/18/10	21:07	
PBW 179841	2Mg	0.00132	0.00132	0.00132	0.01023	mg/L	09/18/10	21:07	
PBW 179841	Mn	0.04342	0.05543	0.03141	39.12352	ug/L	09/18/10	21:07	
PBW 179841	Mo	-0.35863	-0.14147	-0.57578	85.63161	ug/L	09/18/10	21:07	
PBW 179841	Na	-131.37635	-154.05941	-108.69329	24.41740	ug/L	09/18/10	21:07	
PBW 179841	Ni	-0.90596	-0.64953	-1.16239	40.02898	ug/L	09/18/10	21:07	
PBW 179841	Pb	1.76431	0.62367	2.90496	91.43009	ug/L	09/18/10	21:07	
PBW 179841	Se	-1.31888	-3.55796	0.92018	240.09126	ug/L	09/18/10	21:07	
PBW 179841	Sb	-1.62224	-3.81800	0.57350	191.41778	ug/L	09/18/10	21:07	
PBW 179841	Sn	-1.50180	1.13309	-4.13670	248.12220	ug/L	09/18/10	21:07	
PBW 179841	Sr	-0.01563	-0.00532	-0.02593	93.26661	ug/L	09/18/10	21:07	
PBW 179841	Ti	0.16716	0.03764	0.29668	109.57093	ug/L	09/18/10	21:07	
PBW 179841	Tl	-0.42953	-0.92944	0.07037	164.59059	ug/L	09/18/10	21:07	
PBW 179841	V	-0.30854	-0.25740	-0.35968	23.43859	ug/L	09/18/10	21:07	
PBW 179841	Zn	1.23196	1.12521	1.33871	12.25391	ug/L	09/18/10	21:07	
PBW 179841	2203/1	-0.03190	-5.57281	5.50900	24560.91992	ug/L	09/18/10	21:07	
PBW 179841	2203/2	2.66108	3.71726	1.60489	56.13032	ug/L	09/18/10	21:07	
PBW 179841	1960/1	-4.84900	-13.42069	3.72268	249.99342	ug/L	09/18/10	21:07	
PBW 179841	1960/2	0.44352	1.36601	-0.47895	294.13940	ug/L	09/18/10	21:07	
PBW 179841	Y	980.55798	977.67266	983.44323	0.41613		09/18/10	21:07	
LCSW-1	Ag	50.18875	49.76407	50.61343	1.19665	ug/L	09/18/10	21:12	
LCSW-1	Al	1966.35205	1948.67761	1984.02648	1.27115	ug/L	09/18/10	21:12	
LCSW-1	2Al	1.96654	1.94886	1.98421	1.27115	mg/L	09/18/10	21:12	
LCSW-1	As	2055.27685	2034.10986	2076.44384	1.45647	ug/L	09/18/10	21:12	
LCSW-1	B	1055.16015	1045.93444	1064.38598	1.23651	ug/L	09/18/10	21:12	
LCSW-1	Ba	2035.76489	2020.70996	2050.81982	1.04584	ug/L	09/18/10	21:12	
LCSW-1	Be	50.68597	50.25055	51.12139	1.21489	ug/L	09/18/10	21:12	
LCSW-1	Ca	5032.98046	4995.41357	5070.54736	1.05558	ug/L	09/18/10	21:12	
LCSW-1	Cd	52.25025	52.00820	52.49230	0.65514	ug/L	09/18/10	21:12	
LCSW-1	Co	508.97479	505.61672	512.33288	0.93305	ug/L	09/18/10	21:12	
LCSW-1	Cr	205.94882	204.43252	207.46510	1.04120	ug/L	09/18/10	21:12	
LCSW-1	Cu	246.79046	245.32519	248.25575	0.83966	ug/L	09/18/10	21:12	
LCSW-1	Fe	986.54907	973.19555	999.90252	1.91421	ug/L	09/18/10	21:12	
LCSW-1	2Fe	0.98669	0.97333	1.00004	1.91402	mg/L	09/18/10	21:12	
LCSW-1	K	5134.20361	5107.42187	5160.98535	0.73770	ug/L	09/18/10	21:12	
LCSW-1	Mg	5127.06542	5090.90478	5163.22558	0.99742	ug/L	09/18/10	21:12	
LCSW-1	2Mg	5.12567	5.08952	5.16182	0.99740	mg/L	09/18/10	21:12	
LCSW-1	Mn	511.47161	507.58203	515.36120	1.07546	ug/L	09/18/10	21:12	
LCSW-1	Mo	518.33605	512.58093	524.09118	1.57021	ug/L	09/18/10	21:12	
LCSW-1	Na	4815.45507	4796.68212	4834.22753	0.55132	ug/L	09/18/10	21:12	
LCSW-1	Ni	511.67004	507.88369	515.45642	1.04651	ug/L	09/18/10	21:12	
LCSW-1	Pb	517.55511	510.32864	524.78161	1.97462	ug/L	09/18/10	21:12	
LCSW-1	Se	2087.93359	2070.41430	2105.45312	1.18663	ug/L	09/18/10	21:12	
LCSW-1	Sb	491.45895	486.55133	496.36657	1.41220	ug/L	09/18/10	21:12	
LCSW-1	Sn	1031.11315	1023.64129	1038.58508	1.02480	ug/L	09/18/10	21:12	
LCSW-1	Sr	526.56005	523.78735	529.33282	0.74469	ug/L	09/18/10	21:12	
LCSW-1	Ti	702.95593	696.53771	709.37414	1.29122	ug/L	09/18/10	21:12	
LCSW-1	Tl	2153.91210	2131.84912	2175.97509	1.44860	ug/L	09/18/10	21:12	
LCSW-1	V	498.18988	493.71670	502.66302	1.26979	ug/L	09/18/10	21:12	
LCSW-1	Zn	516.70312	512.66210	520.74414	1.10602	ug/L	09/18/10	21:12	
LCSW-1	2203/1	511.83746	506.25018	517.42474	1.54377	ug/L	09/18/10	21:12	
LCSW-1	2203/2	520.40966	512.36480	528.45452	2.18619	ug/L	09/18/10	21:12	
LCSW-1	1960/1	2048.37158	2036.44445	2060.29882	0.82346	ug/L	09/18/10	21:12	
LCSW-1	1960/2	2107.68457	2087.37329	2127.99584	1.36284	ug/L	09/18/10	21:12	
LCSW-1	Y	975.50769	981.86309	969.15222	0.92136		09/18/10	21:12	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61090-1	Ag	0.31931	-0.16721	0.80584	215.48109	ug/L	09/18/10	21:18	
61090-1	Al	37.51176	40.20558	34.81794	10.15584	ug/L	09/18/10	21:18	
61090-1	2Al	0.03751	0.04020	0.03482	10.15583	mg/L	09/18/10	21:18	
61090-1	As	-0.83104	-2.21309	0.55101	235.18966	ug/L	09/18/10	21:18	
61090-1	B	242.02661	240.79914	243.25405	0.71722	ug/L	09/18/10	21:18	
61090-1	Ba	161.88436	161.68080	162.08793	0.17783	ug/L	09/18/10	21:18	
61090-1	Be	0.07943	0.07983	0.07903	0.71909	ug/L	09/18/10	21:18	
61090-1	Ca	61753.29687	61783.11718	61723.48046	0.06828	ug/L	09/18/10	21:18	
61090-1	Cd	-0.32452	-0.40946	-0.23957	37.01791	ug/L	09/18/10	21:18	
61090-1	Co	0.07620	-0.14333	0.29573	407.44506	ug/L	09/18/10	21:18	
61090-1	Cr	1.39199	1.21807	1.56591	17.66956	ug/L	09/18/10	21:18	
61090-1	Cu	-0.02638	0.32975	-0.38251	1909.09326	ug/L	09/18/10	21:18	
61090-1	Fe	3722.74267	3718.70190	3726.78320	0.15349	ug/L	09/18/10	21:18	
61090-1	2Fe	3.72246	3.71842	3.72650	0.15349	mg/L	09/18/10	21:18	
61090-1	K	4004.03564	3982.70898	4025.36254	0.75325	ug/L	09/18/10	21:18	
61090-1	Mg	28733.07031	28736.35937	28729.77929	0.01619	ug/L	09/18/10	21:18	
61090-1	2Mg	28.72640	28.73107	28.72172	0.02301	mg/L	09/18/10	21:18	
61090-1	Mn	7607.49609	7609.89550	7605.09667	0.04460	ug/L	09/18/10	21:18	
61090-1	Mo	28.60292	28.54329	28.66256	0.29484	ug/L	09/18/10	21:18	
61090-1	Na	61918.03906	61759.63671	62076.44531	0.36179	ug/L	09/18/10	21:18	
61090-1	Ni	2.91107	3.72657	2.09557	39.61733	ug/L	09/18/10	21:18	
61090-1	Pb	-0.32596	0.10134	-0.75327	185.38902	ug/L	09/18/10	21:18	
61090-1	Se	5.14658	5.23527	5.05788	2.43717	ug/L	09/18/10	21:18	
61090-1	Sb	-0.05761	-0.50202	0.38680	1090.91430	ug/L	09/18/10	21:18	
61090-1	Sn	-4.33679	-0.95437	-7.71921	110.29943	ug/L	09/18/10	21:18	
61090-1	Sr	602.06274	602.64294	601.48260	0.13627	ug/L	09/18/10	21:18	
61090-1	Ti	0.23733	0.24897	0.22569	6.93699	ug/L	09/18/10	21:18	
61090-1	Tl	8.07238	8.41726	7.72750	6.04199	ug/L	09/18/10	21:18	
61090-1	V	-1.87749	-1.89125	-1.86374	1.03594	ug/L	09/18/10	21:18	
61090-1	Zn	7.79814	7.81953	7.77676	0.38780	ug/L	09/18/10	21:18	
61090-1	2203/1	-1.77516	-3.97937	0.42903	175.60140	ug/L	09/18/10	21:18	
61090-1	2203/2	0.39754	2.13864	-1.34354	619.36230	ug/L	09/18/10	21:18	
61090-1	1960/1	6.83075	6.41462	7.24688	8.61537	ug/L	09/18/10	21:18	
61090-1	1960/2	4.30575	4.64648	3.96502	11.19105	ug/L	09/18/10	21:18	
61090-1	Y	972.39538	973.17675	971.61407	0.11363		09/18/10	21:18	
61093-1	Ag	0.17526	-0.26526	0.61579	355.45803	ug/L	09/18/10	21:23	
61093-1	Al	426.03466	427.11505	424.95428	0.35863	ug/L	09/18/10	21:23	
61093-1	2Al	0.42607	0.42715	0.42499	0.35863	mg/L	09/18/10	21:23	
61093-1	As	1.86180	2.93333	0.79028	81.39189	ug/L	09/18/10	21:23	
61093-1	B	83.79459	84.51212	83.07706	1.21098	ug/L	09/18/10	21:23	
61093-1	Ba	24.09220	24.02339	24.16102	0.40392	ug/L	09/18/10	21:23	
61093-1	Be	0.02870	0.02913	0.02828	2.10129	ug/L	09/18/10	21:23	
61093-1	Ca	62519.98437	62579.53515	62460.43359	0.13470	ug/L	09/18/10	21:23	
61093-1	Cd	-0.05773	-0.03879	-0.07667	46.39258	ug/L	09/18/10	21:23	
61093-1	Co	0.49707	0.98671	0.00743	139.30726	ug/L	09/18/10	21:23	
61093-1	Cr	0.84346	1.11235	0.57456	45.08449	ug/L	09/18/10	21:23	
61093-1	Cu	8.10134	7.95847	8.24422	2.49407	ug/L	09/18/10	21:23	
61093-1	Fe	494.16116	488.34848	499.97384	1.66350	ug/L	09/18/10	21:23	
61093-1	2Fe	0.49412	0.48831	0.49993	1.66341	mg/L	09/18/10	21:23	
61093-1	K	2799.65380	2790.92431	2808.38330	0.44096	ug/L	09/18/10	21:23	
61093-1	Mg	27688.80273	27722.30859	27655.29687	0.17113	ug/L	09/18/10	21:23	
61093-1	2Mg	27.68091	27.71440	27.64741	0.17113	mg/L	09/18/10	21:23	
61093-1	Mn	24.40586	23.94453	24.86719	2.67319	ug/L	09/18/10	21:23	
61093-1	Mo	59.47620	58.24051	60.71190	2.93821	ug/L	09/18/10	21:23	
61093-1	Na	11677.24609	11650.79980	11703.69335	0.32029	ug/L	09/18/10	21:23	
61093-1	Ni	20.16924	19.34806	20.99041	5.75785	ug/L	09/18/10	21:23	
61093-1	Pb	-0.41996	0.76522	-1.60515	399.10769	ug/L	09/18/10	21:23	
61093-1	Se	3.32115	2.75324	3.88906	24.18256	ug/L	09/18/10	21:23	
61093-1	Sb	4.43141	4.43409	4.42873	0.08540	ug/L	09/18/10	21:23	
61093-1	Sn	-0.31433	0.61547	-1.24414	418.32662	ug/L	09/18/10	21:23	
61093-1	Sr	72.92720	72.96797	72.88642	0.07907	ug/L	09/18/10	21:23	
61093-1	Ti	0.39113	0.31605	0.46621	27.14630	ug/L	09/18/10	21:23	
61093-1	Tl	1.24468	-2.28108	4.77046	400.59826	ug/L	09/18/10	21:23	
61093-1	V	-0.02713	-0.22494	0.17066	1030.85705	ug/L	09/18/10	21:23	
61093-1	Zn	4.98954	5.32466	4.65442	9.49845	ug/L	09/18/10	21:23	
61093-1	2203/1	-2.22029	-3.06222	-1.37837	53.62644	ug/L	09/18/10	21:23	
61093-1	2203/2	0.47885	2.67608	-1.71837	648.91632	ug/L	09/18/10	21:23	
61093-1	1960/1	-3.77204	-3.99464	-3.54945	8.34545	ug/L	09/18/10	21:23	
61093-1	1960/2	6.86244	6.12213	7.60274	15.25619	ug/L	09/18/10	21:23	
61093-1	Y	966.42846	967.30145	965.55541	0.12775		09/18/10	21:23	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61130-1	Ag	-0.48389	-0.84914	-0.11863	106.74780	ug/L	09/18/10	21:28	
61130-1	Al	104.18800	102.76136	105.61463	1.93647	ug/L	09/18/10	21:28	
61130-1	2Al	0.10419	0.10277	0.10562	1.93645	mg/L	09/18/10	21:28	
61130-1	As	-2.53307	-4.26075	-0.80540	96.45581	ug/L	09/18/10	21:28	
61130-1	B	59.36431	60.11026	58.61837	1.77704	ug/L	09/18/10	21:28	
61130-1	Ba	17.03260	16.97576	17.08943	0.47189	ug/L	09/18/10	21:28	
61130-1	Be	0.00037	-0.01532	0.01607	5972.81201	ug/L	09/18/10	21:28	
61130-1	Ca	1478.06494	1480.07727	1476.05261	0.19253	ug/L	09/18/10	21:28	
61130-1	Cd	-0.28280	-0.32571	-0.23989	21.45799	ug/L	09/18/10	21:28	
61130-1	Co	-0.05634	-0.16379	0.05110	269.68972	ug/L	09/18/10	21:28	
61130-1	Cr	1.10331	1.10684	1.09978	0.45193	ug/L	09/18/10	21:28	
61130-1	Cu	0.37169	0.70348	0.03990	126.23991	ug/L	09/18/10	21:28	
61130-1	Fe	905.96496	898.71520	913.21472	1.13168	ug/L	09/18/10	21:28	
61130-1	2Fe	0.90589	0.89864	0.91314	1.13171	mg/L	09/18/10	21:28	
61130-1	K	1285.17968	1269.25329	1301.10595	1.75253	ug/L	09/18/10	21:28	
61130-1	Mg	316.03610	318.21945	313.85275	0.97701	ug/L	09/18/10	21:28	
61130-1	2Mg	0.31581	0.31799	0.31363	0.97801	mg/L	09/18/10	21:28	
61130-1	Mn	59.67258	59.77832	59.56684	0.25059	ug/L	09/18/10	21:28	
61130-1	Mo	-1.21172	-3.37914	0.95569	252.96110	ug/L	09/18/10	21:28	
61130-1	Na	50572.43750	50415.68359	50729.19140	0.43834	ug/L	09/18/10	21:28	
61130-1	Ni	-0.14319	-0.14693	-0.13945	3.69394	ug/L	09/18/10	21:28	
61130-1	Pb	0.68035	0.73495	0.62575	11.34893	ug/L	09/18/10	21:28	
61130-1	Se	-0.16330	-0.70589	0.37927	469.86752	ug/L	09/18/10	21:28	
61130-1	Sb	-2.75888	-2.89452	-2.62323	6.95338	ug/L	09/18/10	21:28	
61130-1	Sn	-4.37472	-4.40773	-4.34171	1.06721	ug/L	09/18/10	21:28	
61130-1	Sr	29.48066	29.57642	29.38489	0.45938	ug/L	09/18/10	21:28	
61130-1	Ti	0.27406	0.32748	0.22065	27.56121	ug/L	09/18/10	21:28	
61130-1	Tl	0.62643	-0.69342	1.94628	297.96597	ug/L	09/18/10	21:28	
61130-1	V	-0.79532	-1.61906	0.02842	146.47517	ug/L	09/18/10	21:28	
61130-1	Zn	22.17372	21.97807	22.36937	1.24782	ug/L	09/18/10	21:28	
61130-1	2203/1	-4.18601	-7.64505	-0.72697	116.86095	ug/L	09/18/10	21:28	
61130-1	2203/2	3.10989	4.91867	1.30111	82.25379	ug/L	09/18/10	21:28	
61130-1	1960/1	-5.95396	-3.84564	-8.06227	50.07773	ug/L	09/18/10	21:28	
61130-1	1960/2	2.72767	0.86162	4.59373	96.74895	ug/L	09/18/10	21:28	
61130-1	Y	973.23785	970.75854	975.71716	0.36026		09/18/10	21:28	
61130-1L	Ag	-0.06979	-0.35982	0.22024	587.71936	ug/L	09/18/10	21:33	
61130-1L	Al	26.39227	21.68472	31.09982	25.22512	ug/L	09/18/10	21:33	
61130-1L	2Al	0.02639	0.02168	0.03110	25.22509	mg/L	09/18/10	21:33	
61130-1L	As	0.70896	-2.01894	3.43687	544.14978	ug/L	09/18/10	21:33	
61130-1L	B	20.75506	21.71913	19.79098	6.56904	ug/L	09/18/10	21:33	
61130-1L	Ba	2.72919	2.71766	2.74072	0.59737	ug/L	09/18/10	21:33	
61130-1L	Be	-0.02815	-0.02353	-0.03278	23.23632	ug/L	09/18/10	21:33	
61130-1L	Ca	263.04876	277.29272	248.80482	7.65789	ug/L	09/18/10	21:33	
61130-1L	Cd	-0.31070	-0.61938	-0.00202	140.50143	ug/L	09/18/10	21:33	
61130-1L	Co	-0.96868	-1.00591	-0.93146	5.43470	ug/L	09/18/10	21:33	
61130-1L	Cr	-0.21892	-0.20032	-0.23753	12.01828	ug/L	09/18/10	21:33	
61130-1L	Cu	-0.91521	-1.39863	-0.43179	74.69893	ug/L	09/18/10	21:33	
61130-1L	Fe	156.47473	160.39796	152.55149	3.54580	ug/L	09/18/10	21:33	
61130-1L	2Fe	0.15646	0.16038	0.15253	3.54571	mg/L	09/18/10	21:33	
61130-1L	K	183.80209	178.66975	188.93443	3.94893	ug/L	09/18/10	21:33	
61130-1L	Mg	53.73772	56.40180	51.07365	7.01103	ug/L	09/18/10	21:33	
61130-1L	2Mg	0.05369	0.05636	0.05103	7.01295	mg/L	09/18/10	21:33	
61130-1L	Mn	10.53209	11.17736	9.88681	8.66453	ug/L	09/18/10	21:33	
61130-1L	Mo	-2.18481	-2.18073	-2.18890	0.26463	ug/L	09/18/10	21:33	
61130-1L	Na	8620.77148	9405.36230	7836.18115	12.87098	ug/L	09/18/10	21:33	
61130-1L	Ni	-0.70949	-0.71585	-0.70313	1.26803	ug/L	09/18/10	21:33	
61130-1L	Pb	-0.83919	-2.14420	0.46581	219.92117	ug/L	09/18/10	21:33	
61130-1L	Se	1.74916	0.92152	2.57680	66.91537	ug/L	09/18/10	21:33	
61130-1L	Sb	-2.82767	-4.82043	-0.83490	99.66484	ug/L	09/18/10	21:33	
61130-1L	Sn	-1.63127	-6.61721	3.35466	432.24923	ug/L	09/18/10	21:33	
61130-1L	Sr	5.14254	5.42558	4.85949	7.78381	ug/L	09/18/10	21:33	
61130-1L	Ti	0.05058	0.06223	0.03893	32.56505	ug/L	09/18/10	21:33	
61130-1L	Tl	0.14214	1.53151	-1.24723	1382.35144	ug/L	09/18/10	21:33	
61130-1L	V	-0.93605	-1.90465	0.03255	146.33912	ug/L	09/18/10	21:33	
61130-1L	Zn	4.86871	4.80355	4.93387	1.89271	ug/L	09/18/10	21:33	
61130-1L	2203/1	-2.11924	-5.72645	1.48797	240.71693	ug/L	09/18/10	21:33	
61130-1L	2203/2	-0.20012	-0.35576	-0.04449	109.97962	ug/L	09/18/10	21:33	
61130-1L	1960/1	-7.19778	-8.84363	-5.55192	32.33766	ug/L	09/18/10	21:33	
61130-1L	1960/2	6.21593	5.79678	6.63507	9.53617	ug/L	09/18/10	21:33	
61130-1L	Y	978.29687	980.06469	976.52905	0.25555		09/18/10	21:33	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	484.27264	481.94323	486.60208	0.68025	ug/L	09/18/10	21:38	
CCV	Al	4793.04980	4779.74462	4806.35546	0.39258	ug/L	09/18/10	21:38	
CCV	2Al	4.79327	4.78017	4.80638	0.38658	mg/L	09/18/10	21:38	
CCV	As	496.87213	494.39538	499.34890	0.70494	ug/L	09/18/10	21:38	
CCV	B	4888.49511	4863.88232	4913.10742	0.71202	ug/L	09/18/10	21:38	
CCV	Ba	4882.45947	4872.15478	4892.76416	0.29847	ug/L	09/18/10	21:38	
CCV	Be	492.24035	490.77639	493.70428	0.42059	ug/L	09/18/10	21:38	
CCV	Ca	4869.24511	4857.43017	4881.06005	0.34315	ug/L	09/18/10	21:38	
CCV	Cd	499.33538	497.41052	501.26022	0.54515	ug/L	09/18/10	21:38	
CCV	Co	488.48010	486.90957	490.05062	0.45468	ug/L	09/18/10	21:38	
CCV	Cr	4941.48193	4927.24414	4955.71972	0.40747	ug/L	09/18/10	21:38	
CCV	Cu	4830.31542	4816.37500	4844.25585	0.40814	ug/L	09/18/10	21:38	
CCV	Fe	4836.12792	4816.87841	4855.37744	0.56290	ug/L	09/18/10	21:38	
CCV	2Fe	4.83638	4.81713	4.85563	0.56289	mg/L	09/18/10	21:38	
CCV	K	9663.78710	9664.06640	9663.50683	0.00409	ug/L	09/18/10	21:38	
CCV	Mg	4944.21289	4926.95068	4961.47509	0.49375	ug/L	09/18/10	21:38	
CCV	2Mg	4.94422	4.92696	4.96148	0.49373	mg/L	09/18/10	21:38	
CCV	Mn	4933.48144	4916.95507	4950.00732	0.47373	ug/L	09/18/10	21:38	
CCV	Mo	498.93356	497.40390	500.46322	0.43357	ug/L	09/18/10	21:38	
CCV	Na	7283.72851	7221.03906	7346.41796	1.21718	ug/L	09/18/10	21:38	
CCV	Ni	2474.78759	2466.25805	2483.31738	0.48742	ug/L	09/18/10	21:38	
CCV	Pb	503.21862	501.11358	505.32363	0.59158	ug/L	09/18/10	21:38	
CCV	Se	5009.13134	4989.60449	5028.65820	0.55129	ug/L	09/18/10	21:38	
CCV	Sb	490.29107	487.58584	492.99633	0.78031	ug/L	09/18/10	21:38	
CCV	Sn	4969.23828	4951.95849	4986.51806	0.49177	ug/L	09/18/10	21:38	
CCV	Sr	2498.25244	2491.89233	2504.61230	0.36002	ug/L	09/18/10	21:38	
CCV	Ti	487.07254	485.72415	488.42092	0.39150	ug/L	09/18/10	21:38	
CCV	Tl	5025.02294	4996.32617	5053.71972	0.80762	ug/L	09/18/10	21:38	
CCV	V	4868.67968	4852.89550	4884.46337	0.45847	ug/L	09/18/10	21:38	
CCV	Zn	2470.89331	2463.51562	2478.27099	0.42226	ug/L	09/18/10	21:38	
CCV	2203/1	501.79095	500.39855	503.18338	0.39242	ug/L	09/18/10	21:38	
CCV	2203/2	503.92709	501.46633	506.38784	0.69058	ug/L	09/18/10	21:38	
CCV	1960/1	4951.37353	4934.20507	4968.54199	0.49036	ug/L	09/18/10	21:38	
CCV	1960/2	5037.96679	5017.26269	5058.67089	0.58118	ug/L	09/18/10	21:38	
CCV	Y	978.24890	981.39166	975.10607	0.45434		09/18/10	21:38	
CCB	Ag	0.19928	-0.06999	0.46857	191.09460	ug/L	09/18/10	21:43	
CCB	Al	8.14599	10.59187	5.70011	42.46254	ug/L	09/18/10	21:43	
CCB	2Al	0.00814	0.01059	0.00570	42.46267	mg/L	09/18/10	21:43	
CCB	As	-2.82504	-1.67523	-3.97484	57.55909	ug/L	09/18/10	21:43	
CCB	B	29.30978	33.53421	25.08534	20.38312	ug/L	09/18/10	21:43	
CCB	Ba	0.23451	-0.12154	0.59058	214.71784	ug/L	09/18/10	21:43	
CCB	Be	0.05819	0.02093	0.09545	90.55099	ug/L	09/18/10	21:43	
CCB	Ca	0.06878	-0.85733	0.99491	1904.02148	ug/L	09/18/10	21:43	
CCB	Cd	-0.16234	-0.50359	0.17890	297.26751	ug/L	09/18/10	21:43	
CCB	Co	0.09047	0.43991	-0.25896	546.18823	ug/L	09/18/10	21:43	
CCB	Cr	0.45729	-0.00688	0.92147	143.55154	ug/L	09/18/10	21:43	
CCB	Cu	0.25294	0.08024	0.42564	96.55635	ug/L	09/18/10	21:43	
CCB	Fe	6.51631	-2.08028	15.11291	186.56912	ug/L	09/18/10	21:43	
CCB	2Fe	0.00651	-0.00208	0.01511	186.56576	mg/L	09/18/10	21:43	
CCB	K	-12.58431	-29.49887	4.33025	190.08432	ug/L	09/18/10	21:43	
CCB	Mg	2.73540	-1.44249	6.91330	215.99851	ug/L	09/18/10	21:43	
CCB	2Mg	0.00273	-0.00144	0.00690	216.00114	mg/L	09/18/10	21:43	
CCB	Mn	0.53675	0.12631	0.94719	108.14153	ug/L	09/18/10	21:43	
CCB	Mo	0.73874	1.39988	0.07760	126.56509	ug/L	09/18/10	21:43	
CCB	Na	-346.02090	-695.50036	3.45855	142.83489	ug/L	09/18/10	21:43	
CCB	Ni	0.20154	0.14152	0.26156	42.11593	ug/L	09/18/10	21:43	
CCB	Pb	-1.20248	-0.35232	-2.05264	99.98558	ug/L	09/18/10	21:43	
CCB	Se	0.81260	-0.87490	2.50012	293.68521	ug/L	09/18/10	21:43	
CCB	Sb	2.90238	1.30499	4.49976	77.83412	ug/L	09/18/10	21:43	
CCB	Sn	1.68518	-0.82788	4.19824	210.89810	ug/L	09/18/10	21:43	
CCB	Sr	0.19820	0.03607	0.36033	115.68167	ug/L	09/18/10	21:43	
CCB	Ti	0.32587	0.42393	0.22782	42.55346	ug/L	09/18/10	21:43	
CCB	Tl	2.96711	-1.59454	7.52877	217.42184	ug/L	09/18/10	21:43	
CCB	V	0.43720	-0.10690	0.98131	176.00059	ug/L	09/18/10	21:43	
CCB	Zn	0.49015	0.12040	0.85989	106.68120	ug/L	09/18/10	21:43	
CCB	2203/1	-0.34598	-2.38352	1.69156	832.85278	ug/L	09/18/10	21:43	
CCB	2203/2	-1.63008	0.66175	-3.92193	198.83332	ug/L	09/18/10	21:43	
CCB	1960/1	-1.33578	-6.58069	3.90912	555.28466	ug/L	09/18/10	21:43	
CCB	1960/2	1.88519	1.97370	1.79667	6.64020	ug/L	09/18/10	21:43	
CCB	Y	969.01690	971.91961	966.11419	0.42363		09/18/10	21:43	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61130-1A	Ag	50.39199	49.89034	50.89363	1.40783	ug/L	09/18/10	21:49	
61130-1A	Al	2083.88525	2091.87963	2075.89086	0.54253	ug/L	09/18/10	21:49	
61130-1A	2Al	2.08398	2.09187	2.07609	0.53562	mg/L	09/18/10	21:49	
61130-1A	As	2065.16381	2075.84301	2054.48461	0.73130	ug/L	09/18/10	21:49	
61130-1A	B	1078.72900	1082.64538	1074.81262	0.51343	ug/L	09/18/10	21:49	
61130-1A	Ba	2073.72241	2076.37597	2071.06884	0.18096	ug/L	09/18/10	21:49	
61130-1A	Be	51.54163	51.62974	51.45352	0.24175	ug/L	09/18/10	21:49	
61130-1A	Ca	6510.91894	6516.09570	6505.74267	0.11243	ug/L	09/18/10	21:49	
61130-1A	Cd	53.12592	52.85593	53.39590	0.71869	ug/L	09/18/10	21:49	
61130-1A	Co	514.23229	515.25109	513.21356	0.28017	ug/L	09/18/10	21:49	
61130-1A	Cr	208.13052	208.37892	207.88212	0.16878	ug/L	09/18/10	21:49	
61130-1A	Cu	257.68621	258.07806	257.29434	0.21505	ug/L	09/18/10	21:49	
61130-1A	Fe	1874.07568	1866.03735	1882.11389	0.60658	ug/L	09/18/10	21:49	
61130-1A	2Fe	1.87415	1.86611	1.88219	0.60649	mg/L	09/18/10	21:49	
61130-1A	K	6843.36914	6833.26953	6853.46923	0.20871	ug/L	09/18/10	21:49	
61130-1A	Mg	5580.64355	5582.16015	5579.12695	0.03843	ug/L	09/18/10	21:49	
61130-1A	2Mg	5.57900	5.58052	5.57748	0.03848	mg/L	09/18/10	21:49	
61130-1A	Mn	580.39501	580.86718	579.92285	0.11505	ug/L	09/18/10	21:49	
61130-1A	Mo	505.98461	503.28146	508.68780	0.75552	ug/L	09/18/10	21:49	
61130-1A	Na	54774.60937	54739.71484	54809.50000	0.09008	ug/L	09/18/10	21:49	
61130-1A	Ni	516.71386	517.39514	516.03253	0.18646	ug/L	09/18/10	21:49	
61130-1A	Pb	515.85009	517.12005	514.58013	0.34816	ug/L	09/18/10	21:49	
61130-1A	Se	2085.53027	2082.32592	2088.73461	0.21728	ug/L	09/18/10	21:49	
61130-1A	Sb	489.23071	488.71636	489.74508	0.14868	ug/L	09/18/10	21:49	
61130-1A	Sn	1056.55163	1055.15710	1057.94616	0.18666	ug/L	09/18/10	21:49	
61130-1A	Sr	559.45507	560.66864	558.24157	0.30676	ug/L	09/18/10	21:49	
61130-1A	Ti	1004.78283	1005.82525	1003.74047	0.14671	ug/L	09/18/10	21:49	
61130-1A	Tl	2132.94189	2134.25244	2131.63110	0.08690	ug/L	09/18/10	21:49	
61130-1A	V	500.46463	499.79150	501.13775	0.19021	ug/L	09/18/10	21:49	
61130-1A	Zn	551.73352	552.31347	551.15356	0.14865	ug/L	09/18/10	21:49	
61130-1A	2203/1	512.49133	513.40069	511.58203	0.25092	ug/L	09/18/10	21:49	
61130-1A	2203/2	517.52697	518.97698	516.07696	0.39623	ug/L	09/18/10	21:49	
61130-1A	1960/1	2056.38037	2056.00903	2056.75170	0.02553	ug/L	09/18/10	21:49	
61130-1A	1960/2	2100.08300	2095.46411	2104.70166	0.31103	ug/L	09/18/10	21:49	
61130-1A	Y	970.61450	972.76641	968.46252	0.31354		09/18/10	21:49	
61130-1S	Ag	50.63875	50.52577	50.75173	0.31551	ug/L	09/18/10	21:54	
61130-1S	Al	2090.74218	2091.53564	2089.94897	0.05366	ug/L	09/18/10	21:54	
61130-1S	2Al	2.09084	2.09173	2.08994	0.06059	mg/L	09/18/10	21:54	
61130-1S	As	2076.29882	2072.38159	2080.21582	0.26680	ug/L	09/18/10	21:54	
61130-1S	B	1104.46923	1104.05615	1104.88220	0.05288	ug/L	09/18/10	21:54	
61130-1S	Ba	2086.94580	2089.86035	2084.03100	0.19751	ug/L	09/18/10	21:54	
61130-1S	Be	51.68513	51.70498	51.66528	0.05431	ug/L	09/18/10	21:54	
61130-1S	Ca	6531.79003	6535.69873	6527.88134	0.08462	ug/L	09/18/10	21:54	
61130-1S	Cd	53.13844	52.85794	53.41894	0.74652	ug/L	09/18/10	21:54	
61130-1S	Co	518.26519	518.90734	517.62304	0.17522	ug/L	09/18/10	21:54	
61130-1S	Cr	210.11730	210.23463	210.00000	0.07896	ug/L	09/18/10	21:54	
61130-1S	Cu	259.05053	259.22030	258.88073	0.09268	ug/L	09/18/10	21:54	
61130-1S	Fe	1897.18017	1890.44458	1903.91577	0.50209	ug/L	09/18/10	21:54	
61130-1S	2Fe	1.89725	1.89052	1.90399	0.50200	mg/L	09/18/10	21:54	
61130-1S	K	6903.99414	6910.34130	6897.64697	0.13001	ug/L	09/18/10	21:54	
61130-1S	Mg	5554.98925	5563.20654	5546.77148	0.20920	ug/L	09/18/10	21:54	
61130-1S	2Mg	5.55335	5.56157	5.54513	0.20923	mg/L	09/18/10	21:54	
61130-1S	Mn	583.81066	583.97875	583.64251	0.04072	ug/L	09/18/10	21:54	
61130-1S	Mo	522.58734	521.59454	523.58013	0.26866	ug/L	09/18/10	21:54	
61130-1S	Na	55138.11718	55115.34765	55160.88281	0.05839	ug/L	09/18/10	21:54	
61130-1S	Ni	519.94989	520.47375	519.42602	0.14248	ug/L	09/18/10	21:54	
61130-1S	Pb	519.33911	516.41998	522.25817	0.79490	ug/L	09/18/10	21:54	
61130-1S	Se	2102.35791	2103.08178	2101.63378	0.04870	ug/L	09/18/10	21:54	
61130-1S	Sb	500.83935	498.26373	503.41497	0.72727	ug/L	09/18/10	21:54	
61130-1S	Sn	1045.86718	1049.49780	1042.23669	0.49092	ug/L	09/18/10	21:54	
61130-1S	Sr	559.31384	558.99200	559.63562	0.08136	ug/L	09/18/10	21:54	
61130-1S	Ti	711.04931	711.77117	710.32739	0.14357	ug/L	09/18/10	21:54	
61130-1S	Tl	2170.99584	2177.52587	2164.46582	0.42537	ug/L	09/18/10	21:54	
61130-1S	V	504.60522	505.22573	503.98471	0.17390	ug/L	09/18/10	21:54	
61130-1S	Zn	555.53271	555.11041	555.95495	0.10749	ug/L	09/18/10	21:54	
61130-1S	2203/1	517.71759	517.28222	518.15295	0.11892	ug/L	09/18/10	21:54	
61130-1S	2203/2	520.14862	515.98950	524.30773	1.13080	ug/L	09/18/10	21:54	
61130-1S	1960/1	2075.18994	2067.84375	2082.53637	0.50064	ug/L	09/18/10	21:54	
61130-1S	1960/2	2115.92041	2120.67358	2111.16748	0.31767	ug/L	09/18/10	21:54	
61130-1S	Y	971.46569	972.69659	970.23474	0.17919		09/18/10	21:54	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61130-1SD	Ag	50.96530	51.05129	50.87932	0.23859	ug/L	09/18/10	21:59	
61130-1SD	Al	2082.37011	2077.28881	2087.45141	0.34508	ug/L	09/18/10	21:59	
61130-1SD	2Al	2.08236	2.07728	2.08744	0.34501	mg/L	09/18/10	21:59	
61130-1SD	As	2065.96679	2055.43847	2076.49511	0.72069	ug/L	09/18/10	21:59	
61130-1SD	B	1092.65502	1089.33532	1095.97485	0.42967	ug/L	09/18/10	21:59	
61130-1SD	Ba	2062.69946	2054.77539	2070.62353	0.54328	ug/L	09/18/10	21:59	
61130-1SD	Be	51.18453	50.98427	51.38480	0.55332	ug/L	09/18/10	21:59	
61130-1SD	Ca	6468.32128	6438.40527	6498.23681	0.65406	ug/L	09/18/10	21:59	
61130-1SD	Cd	52.64059	52.16115	53.12003	1.28804	ug/L	09/18/10	21:59	
61130-1SD	Co	511.55471	509.20928	513.90014	0.64840	ug/L	09/18/10	21:59	
61130-1SD	Cr	206.68182	205.65417	207.70945	0.70316	ug/L	09/18/10	21:59	
61130-1SD	Cu	255.80441	254.98103	256.62780	0.45520	ug/L	09/18/10	21:59	
61130-1SD	Fe	1911.63037	1899.55712	1923.70361	0.89317	ug/L	09/18/10	21:59	
61130-1SD	2Fe	1.91170	1.89963	1.92377	0.89314	mg/L	09/18/10	21:59	
61130-1SD	K	6823.35742	6807.46533	6839.24951	0.32938	ug/L	09/18/10	21:59	
61130-1SD	Mg	5470.03808	5444.97460	5495.10205	0.64799	ug/L	09/18/10	21:59	
61130-1SD	2Mg	5.46842	5.44336	5.49347	0.64796	mg/L	09/18/10	21:59	
61130-1SD	Mn	578.20532	575.97827	580.43237	0.54470	ug/L	09/18/10	21:59	
61130-1SD	Mo	514.79479	511.73330	517.85632	0.84103	ug/L	09/18/10	21:59	
61130-1SD	Na	55905.39453	55624.17187	56186.61718	0.71139	ug/L	09/18/10	21:59	
61130-1SD	Ni	515.81567	514.20361	517.42779	0.44198	ug/L	09/18/10	21:59	
61130-1SD	Pb	511.39001	506.58889	516.19110	1.32771	ug/L	09/18/10	21:59	
61130-1SD	Se	2081.54101	2071.62060	2091.46118	0.67399	ug/L	09/18/10	21:59	
61130-1SD	Sb	499.04605	501.44326	496.64883	0.67933	ug/L	09/18/10	21:59	
61130-1SD	Sn	1039.59765	1037.42932	1041.76611	0.29497	ug/L	09/18/10	21:59	
61130-1SD	Sr	551.37316	549.89343	552.85284	0.37952	ug/L	09/18/10	21:59	
61130-1SD	Ti	701.17114	698.45971	703.88250	0.54686	ug/L	09/18/10	21:59	
61130-1SD	Tl	2150.62060	2135.35742	2165.88378	1.00368	ug/L	09/18/10	21:59	
61130-1SD	V	499.33306	497.11523	501.55090	0.62813	ug/L	09/18/10	21:59	
61130-1SD	Zn	549.76464	548.13067	551.39862	0.42032	ug/L	09/18/10	21:59	
61130-1SD	2203/1	511.79949	506.55123	517.04779	1.45021	ug/L	09/18/10	21:59	
61130-1SD	2203/2	511.18554	506.60769	515.76342	1.26648	ug/L	09/18/10	21:59	
61130-1SD	1960/1	2057.14746	2040.74694	2073.54785	1.12747	ug/L	09/18/10	21:59	
61130-1SD	1960/2	2093.71875	2087.03344	2100.40380	0.45155	ug/L	09/18/10	21:59	
61130-1SD	Y	970.33081	977.48937	963.17218	1.04333		09/18/10	21:59	
61130-2	Ag	-0.21563	-0.40906	-0.02219	126.86621	ug/L	09/18/10	22:04	
61130-2	Al	145.84848	145.02297	146.67396	0.80043	ug/L	09/18/10	22:04	
61130-2	2Al	0.14586	0.14503	0.14668	0.80043	mg/L	09/18/10	22:04	
61130-2	As	-3.07121	-2.50499	-3.63743	26.07287	ug/L	09/18/10	22:04	
61130-2	B	33.19710	35.18050	31.21370	8.44937	ug/L	09/18/10	22:04	
61130-2	Ba	25.88676	25.81578	25.95773	0.38775	ug/L	09/18/10	22:04	
61130-2	Be	0.04204	0.02362	0.06047	61.97285	ug/L	09/18/10	22:04	
61130-2	Ca	1897.39941	1901.83288	1892.96582	0.33045	ug/L	09/18/10	22:04	
61130-2	Cd	-0.43762	-0.69230	-0.18294	82.30141	ug/L	09/18/10	22:04	
61130-2	Co	0.03116	0.32953	-0.26720	1353.76391	ug/L	09/18/10	22:04	
61130-2	Cr	0.67658	0.67850	0.67465	0.40265	ug/L	09/18/10	22:04	
61130-2	Cu	-0.38082	0.30221	-1.06386	253.64820	ug/L	09/18/10	22:04	
61130-2	Fe	3620.55053	3616.24267	3624.85839	0.16826	ug/L	09/18/10	22:04	
61130-2	2Fe	3.62028	3.61597	3.62458	0.16826	mg/L	09/18/10	22:04	
61130-2	K	3230.08129	3222.02416	3238.13842	0.35276	ug/L	09/18/10	22:04	
61130-2	Mg	748.77496	747.42352	750.12640	0.25524	ug/L	09/18/10	22:04	
61130-2	2Mg	0.74798	0.74663	0.74933	0.25528	mg/L	09/18/10	22:04	
61130-2	Mn	120.40643	120.53456	120.27830	0.15049	ug/L	09/18/10	22:04	
61130-2	Mo	-0.90461	0.58932	-2.39855	233.55158	ug/L	09/18/10	22:04	
61130-2	Na	17349.50000	17305.69335	17393.30468	0.35707	ug/L	09/18/10	22:04	
61130-2	Ni	0.04876	-0.93308	1.03062	2847.17944	ug/L	09/18/10	22:04	
61130-2	Pb	2.50146	3.81945	1.18346	74.51341	ug/L	09/18/10	22:04	
61130-2	Se	5.70783	3.26229	8.15337	60.59240	ug/L	09/18/10	22:04	
61130-2	Sb	-1.49647	-1.50149	-1.49144	0.47521	ug/L	09/18/10	22:04	
61130-2	Sn	0.99317	1.14052	0.84581	20.98238	ug/L	09/18/10	22:04	
61130-2	Sr	77.79898	78.05059	77.54737	0.45737	ug/L	09/18/10	22:04	
61130-2	Ti	1.48122	1.60120	1.36125	11.45447	ug/L	09/18/10	22:04	
61130-2	Tl	3.77819	2.28141	5.27496	56.02562	ug/L	09/18/10	22:04	
61130-2	V	0.00338	-0.02201	0.02878	1060.74719	ug/L	09/18/10	22:04	
61130-2	Zn	1.20870	1.35119	1.06621	16.67174	ug/L	09/18/10	22:04	
61130-2	2203/1	0.53151	-0.77289	1.83593	347.06512	ug/L	09/18/10	22:04	
61130-2	2203/2	3.48495	6.11218	0.85772	106.61444	ug/L	09/18/10	22:04	
61130-2	1960/1	3.10235	0.39621	5.80848	123.35964	ug/L	09/18/10	22:04	
61130-2	1960/2	7.00862	4.69318	9.32406	46.72134	ug/L	09/18/10	22:04	
61130-2	Y	978.51513	976.67749	980.35278	0.26558		09/18/10	22:04	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61130-3	Ag	-0.74828	-0.65166	-0.84490	18.26027	ug/L	09/18/10	22:09	
61130-3	Al	115.59538	120.90650	110.28426	6.49771	ug/L	09/18/10	22:09	
61130-3	2Al	0.11560	0.12091	0.11029	6.49770	mg/L	09/18/10	22:09	
61130-3	As	1.20064	1.35085	1.05043	17.69246	ug/L	09/18/10	22:09	
61130-3	B	34.99129	35.07184	34.91074	0.32555	ug/L	09/18/10	22:09	
61130-3	Ba	16.31163	16.25167	16.37158	0.51979	ug/L	09/18/10	22:09	
61130-3	Be	-0.00493	-0.01226	0.00238	209.72166	ug/L	09/18/10	22:09	
61130-3	Ca	1394.60412	1394.12963	1395.07861	0.04811	ug/L	09/18/10	22:09	
61130-3	Cd	-0.38308	-0.38941	-0.37674	2.33763	ug/L	09/18/10	22:09	
61130-3	Co	-0.80157	-0.26501	-1.33814	94.66544	ug/L	09/18/10	22:09	
61130-3	Cr	1.02293	0.64153	1.40433	52.72906	ug/L	09/18/10	22:09	
61130-3	Cu	0.50097	1.30070	-0.29875	225.75604	ug/L	09/18/10	22:09	
61130-3	Fe	1958.23388	1960.05065	1956.41711	0.13120	ug/L	09/18/10	22:09	
61130-3	2Fe	1.95808	1.95990	1.95627	0.13121	mg/L	09/18/10	22:09	
61130-3	K	2510.56689	2513.03979	2508.09423	0.13929	ug/L	09/18/10	22:09	
61130-3	Mg	400.68682	399.46997	401.90371	0.42949	ug/L	09/18/10	22:09	
61130-3	2Mg	0.40024	0.39902	0.40146	0.42994	mg/L	09/18/10	22:09	
61130-3	Mn	36.74043	36.77280	36.70805	0.12461	ug/L	09/18/10	22:09	
61130-3	Mo	-0.76403	-1.75191	0.22384	182.85516	ug/L	09/18/10	22:09	
61130-3	Na	13589.52734	13633.85644	13545.19921	0.46131	ug/L	09/18/10	22:09	
61130-3	Ni	1.07491	1.51050	0.63933	57.30768	ug/L	09/18/10	22:09	
61130-3	Pb	0.61714	1.47499	-0.24070	196.57916	ug/L	09/18/10	22:09	
61130-3	Se	2.42959	-1.20163	6.06082	211.36592	ug/L	09/18/10	22:09	
61130-3	Sb	0.33501	4.09046	-3.42044	1585.32568	ug/L	09/18/10	22:09	
61130-3	Sn	-0.69556	2.82293	-4.21405	715.37969	ug/L	09/18/10	22:09	
61130-3	Sr	39.28051	39.35105	39.20996	0.25398	ug/L	09/18/10	22:09	
61130-3	Ti	0.86600	1.05990	0.67211	31.66363	ug/L	09/18/10	22:09	
61130-3	Tl	6.56149	5.97144	7.15153	12.71734	ug/L	09/18/10	22:09	
61130-3	V	0.81098	0.70609	0.91586	18.28985	ug/L	09/18/10	22:09	
61130-3	Zn	8.66408	8.86326	8.46490	3.25112	ug/L	09/18/10	22:09	
61130-3	2203/1	0.64972	2.27796	-0.97852	354.41006	ug/L	09/18/10	22:09	
61130-3	2203/2	0.60088	1.07411	0.12765	111.37723	ug/L	09/18/10	22:09	
61130-3	1960/1	2.70065	5.61227	-0.21096	152.46875	ug/L	09/18/10	22:09	
61130-3	1960/2	2.29426	-4.60348	9.19201	425.18576	ug/L	09/18/10	22:09	
61130-3	Y	976.02709	975.62988	976.42431	0.05755		09/18/10	22:09	
61150-1	Ag	0.58465	0.22072	0.94857	88.03062	ug/L	09/18/10	22:14	
61150-1	Al	87.38187	85.37959	89.38415	3.24054	ug/L	09/18/10	22:14	
61150-1	2Al	0.08739	0.08538	0.08939	3.24053	mg/L	09/18/10	22:14	
61150-1	As	-1.35713	-1.28118	-1.43308	7.91452	ug/L	09/18/10	22:14	
61150-1	B	198.70538	199.30102	198.10974	0.42392	ug/L	09/18/10	22:14	
61150-1	Ba	6.76513	6.66308	6.86717	2.13320	ug/L	09/18/10	22:14	
61150-1	Be	0.01587	0.00900	0.02273	61.18066	ug/L	09/18/10	22:14	
61150-1	Ca	39118.28125	39158.05859	39078.50781	0.14379	ug/L	09/18/10	22:14	
61150-1	Cd	-0.15275	-0.00651	-0.29898	135.39189	ug/L	09/18/10	22:14	
61150-1	Co	0.20304	0.70365	-0.29755	348.66714	ug/L	09/18/10	22:14	
61150-1	Cr	1.42630	1.75064	1.10196	32.15891	ug/L	09/18/10	22:14	
61150-1	Cu	7.31461	7.54516	7.08406	4.45742	ug/L	09/18/10	22:14	
61150-1	Fe	50.45153	47.74067	53.16240	7.59886	ug/L	09/18/10	22:14	
61150-1	2Fe	0.05044	0.04773	0.05315	7.59848	mg/L	09/18/10	22:14	
61150-1	K	12747.17871	12758.63085	12735.72656	0.12705	ug/L	09/18/10	22:14	
61150-1	Mg	6068.50634	6074.94726	6062.06542	0.15010	ug/L	09/18/10	22:14	
61150-1	2Mg	6.06679	6.07323	6.06035	0.15010	mg/L	09/18/10	22:14	
61150-1	Mn	28.71079	28.69611	28.72546	0.07229	ug/L	09/18/10	22:14	
61150-1	Mo	5.82689	5.56881	6.08498	6.26383	ug/L	09/18/10	22:14	
61150-1	Na	44576.70312	44501.25390	44652.14843	0.23935	ug/L	09/18/10	22:14	
61150-1	Ni	2.11230	2.71576	1.50884	40.40224	ug/L	09/18/10	22:14	
61150-1	Pb	1.81517	2.55229	1.07806	57.42894	ug/L	09/18/10	22:14	
61150-1	Se	5.16492	6.21239	4.11745	28.68099	ug/L	09/18/10	22:14	
61150-1	Sb	3.24221	5.65326	0.83117	105.16667	ug/L	09/18/10	22:14	
61150-1	Sn	1.65057	1.40248	1.89865	21.25605	ug/L	09/18/10	22:14	
61150-1	Sr	71.21749	71.19921	71.23579	0.03632	ug/L	09/18/10	22:14	
61150-1	Ti	0.54308	0.60814	0.47802	16.94129	ug/L	09/18/10	22:14	
61150-1	Tl	2.58732	1.85513	3.31951	40.02081	ug/L	09/18/10	22:14	
61150-1	V	1.87752	1.46993	2.28510	30.70072	ug/L	09/18/10	22:14	
61150-1	Zn	46.36882	46.77578	45.96187	1.24117	ug/L	09/18/10	22:14	
61150-1	2203/1	2.95172	1.37699	4.52646	75.44775	ug/L	09/18/10	22:14	
61150-1	2203/2	1.24775	3.13906	-0.64355	214.36187	ug/L	09/18/10	22:14	
61150-1	1960/1	3.21355	5.99305	0.43404	122.32000	ug/L	09/18/10	22:14	
61150-1	1960/2	6.13914	6.32190	5.95639	4.20995	ug/L	09/18/10	22:14	
61150-1	Y	974.86163	975.15844	974.56481	0.04305		09/18/10	22:14	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61150-7	Ag	0.00320	0.17362	-0.16721	7524.19824	ug/L	09/18/10	22:20	
61150-7	Al	35.81061	32.53465	39.08657	12.93724	ug/L	09/18/10	22:20	
61150-7	2Al	0.03581	0.03253	0.03909	12.93720	mg/L	09/18/10	22:20	
61150-7	As	-3.44947	-3.55107	-3.34788	4.16519	ug/L	09/18/10	22:20	
61150-7	B	148.11560	148.07920	148.15197	0.03474	ug/L	09/18/10	22:20	
61150-7	Ba	6.81215	6.68115	6.94315	2.71953	ug/L	09/18/10	22:20	
61150-7	Be	-0.01012	-0.02166	0.00141	161.17037	ug/L	09/18/10	22:20	
61150-7	Ca	45175.08203	45262.56250	45087.60156	0.27385	ug/L	09/18/10	22:20	
61150-7	Cd	-0.36484	-0.45551	-0.27417	35.14643	ug/L	09/18/10	22:20	
61150-7	Co	-0.29562	-0.00351	-0.58774	139.74124	ug/L	09/18/10	22:20	
61150-7	Cr	0.68352	0.33967	1.02738	71.14298	ug/L	09/18/10	22:20	
61150-7	Cu	7.43512	7.22175	7.64849	4.05845	ug/L	09/18/10	22:20	
61150-7	Fe	18.19121	-2.01372	38.39615	157.07635	ug/L	09/18/10	22:20	
61150-7	2Fe	0.01818	-0.00201	0.03839	157.07490	mg/L	09/18/10	22:20	
61150-7	K	9842.01562	9850.12597	9833.90625	0.11653	ug/L	09/18/10	22:20	
61150-7	Mg	7278.37207	7291.23876	7265.50585	0.24999	ug/L	09/18/10	22:20	
61150-7	2Mg	7.27631	7.28918	7.26344	0.25007	mg/L	09/18/10	22:20	
61150-7	Mn	4.75298	4.77713	4.72883	0.71850	ug/L	09/18/10	22:20	
61150-7	Mo	12.26910	10.08219	14.45601	25.20771	ug/L	09/18/10	22:20	
61150-7	Na	65125.04687	65122.65625	65127.43359	0.00518	ug/L	09/18/10	22:20	
61150-7	Ni	1.52211	0.49105	2.55317	95.79706	ug/L	09/18/10	22:20	
61150-7	Pb	0.29008	-1.58671	2.16687	914.98284	ug/L	09/18/10	22:20	
61150-7	Se	3.62258	4.17746	3.06769	21.66213	ug/L	09/18/10	22:20	
61150-7	Sb	-5.46609	-6.82849	-4.10369	35.24865	ug/L	09/18/10	22:20	
61150-7	Sn	-3.94571	-4.07966	-3.81177	4.80082	ug/L	09/18/10	22:20	
61150-7	Sr	91.77999	91.84925	91.71073	0.10672	ug/L	09/18/10	22:20	
61150-7	Ti	0.22291	-0.01506	0.46089	150.97904	ug/L	09/18/10	22:20	
61150-7	Tl	-4.05250	-6.47733	-1.62766	84.62025	ug/L	09/18/10	22:20	
61150-7	V	2.17027	1.75962	2.58092	26.75887	ug/L	09/18/10	22:20	
61150-7	Zn	36.10190	36.63011	35.57368	2.06917	ug/L	09/18/10	22:20	
61150-7	2203/1	-1.22283	-4.55292	2.10726	385.12722	ug/L	09/18/10	22:20	
61150-7	2203/2	1.04540	-0.10583	2.19664	155.73820	ug/L	09/18/10	22:20	
61150-7	1960/1	-0.43563	-2.44922	1.57796	653.68444	ug/L	09/18/10	22:20	
61150-7	1960/2	5.64864	7.48584	3.81144	45.99679	ug/L	09/18/10	22:20	
61150-7	Y	971.90649	970.55773	973.25531	0.19626		09/18/10	22:20	
PBW 180019	Ag	0.38277	0.64672	0.11883	97.51743	ug/L	09/18/10	22:25	
PBW 180019	Al	7.32802	3.76200	10.89403	68.81946	ug/L	09/18/10	22:25	
PBW 180019	2Al	0.00732	0.00376	0.01089	68.81929	mg/L	09/18/10	22:25	
PBW 180019	As	-3.55040	-3.90611	-3.19468	14.16890	ug/L	09/18/10	22:25	
PBW 180019	B	9.65414	10.05918	9.24910	5.93333	ug/L	09/18/10	22:25	
PBW 180019	Ba	-0.19726	-0.21116	-0.18336	9.96525	ug/L	09/18/10	22:25	
PBW 180019	Be	0.00119	0.02327	-0.02087	2604.19653	ug/L	09/18/10	22:25	
PBW 180019	Ca	4.31563	5.26197	3.36930	31.01097	ug/L	09/18/10	22:25	
PBW 180019	Cd	-0.20436	-0.26495	-0.14378	41.92412	ug/L	09/18/10	22:25	
PBW 180019	Co	-0.35853	-0.08148	-0.63559	109.28128	ug/L	09/18/10	22:25	
PBW 180019	Cr	-0.20182	-0.20132	-0.20232	0.34992	ug/L	09/18/10	22:25	
PBW 180019	Cu	-0.45208	-0.38692	-0.51723	20.38227	ug/L	09/18/10	22:25	
PBW 180019	Fe	-8.83713	-12.52824	-5.14602	59.06908	ug/L	09/18/10	22:25	
PBW 180019	2Fe	-0.00883	-0.01252	-0.00514	59.06684	mg/L	09/18/10	22:25	
PBW 180019	K	-5.71362	1.35196	-12.77921	174.88459	ug/L	09/18/10	22:25	
PBW 180019	Mg	-0.03634	-1.39968	1.32699	5304.52685	ug/L	09/18/10	22:25	
PBW 180019	2Mg	-0.00003	-0.00139	0.00132	5536.53369	mg/L	09/18/10	22:25	
PBW 180019	Mn	-0.03262	-0.04943	-0.01581	72.85427	ug/L	09/18/10	22:25	
PBW 180019	Mo	0.36451	0.07760	0.65142	111.31269	ug/L	09/18/10	22:25	
PBW 180019	Na	-238.99057	-140.13348	-337.84765	58.49813	ug/L	09/18/10	22:25	
PBW 180019	Ni	1.26261	2.09942	0.42580	93.72877	ug/L	09/18/10	22:25	
PBW 180019	Pb	1.38187	1.18351	1.58022	20.29973	ug/L	09/18/10	22:25	
PBW 180019	Se	2.04029	-0.04779	4.12837	144.73399	ug/L	09/18/10	22:25	
PBW 180019	Sb	-2.18754	-0.14808	-4.22699	131.84802	ug/L	09/18/10	22:25	
PBW 180019	Sn	-2.56105	-2.75334	-2.36875	10.61864	ug/L	09/18/10	22:25	
PBW 180019	Sr	-0.01949	-0.01264	-0.02634	49.71238	ug/L	09/18/10	22:25	
PBW 180019	Ti	-0.05125	-0.02140	-0.08111	82.36972	ug/L	09/18/10	22:25	
PBW 180019	Tl	2.67639	2.82800	2.52477	8.01152	ug/L	09/18/10	22:25	
PBW 180019	V	-0.48166	-0.66019	-0.30313	52.41705	ug/L	09/18/10	22:25	
PBW 180019	Zn	-0.05239	0.16892	-0.27370	597.39764	ug/L	09/18/10	22:25	
PBW 180019	2203/1	2.41527	1.82950	3.00105	34.29880	ug/L	09/18/10	22:25	
PBW 180019	2203/2	0.86594	0.86100	0.87087	0.80602	ug/L	09/18/10	22:25	
PBW 180019	1960/1	4.63944	2.82807	6.45081	55.21487	ug/L	09/18/10	22:25	
PBW 180019	1960/2	0.74266	-1.48356	2.96889	423.92929	ug/L	09/18/10	22:25	
PBW 180019	Y	991.85894	988.31457	995.40332	0.50536		09/18/10	22:25	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	39.25664	39.10344	39.40985	0.55192	ug/L	09/18/10	22:30	
LCSW-1	Al	1986.93432	1980.44946	1993.41931	0.46156	ug/L	09/18/10	22:30	
LCSW-1	2Al	1.98712	1.98064	1.99361	0.46157	mg/L	09/18/10	22:30	
LCSW-1	As	2068.09375	2068.57690	2067.61059	0.03303	ug/L	09/18/10	22:30	
LCSW-1	B	1059.96667	1055.11425	1064.81909	0.64741	ug/L	09/18/10	22:30	
LCSW-1	Ba	2017.62817	2007.16394	2028.09228	0.73346	ug/L	09/18/10	22:30	
LCSW-1	Be	50.10350	49.93072	50.27628	0.48768	ug/L	09/18/10	22:30	
LCSW-1	Ca	5156.52734	5133.00195	5180.05224	0.64519	ug/L	09/18/10	22:30	
LCSW-1	Cd	52.41106	52.05723	52.76489	0.95473	ug/L	09/18/10	22:30	
LCSW-1	Co	506.36062	504.41213	508.30911	0.54419	ug/L	09/18/10	22:30	
LCSW-1	Cr	204.16995	203.66151	204.67839	0.35217	ug/L	09/18/10	22:30	
LCSW-1	Cu	240.78616	239.69631	241.87602	0.64010	ug/L	09/18/10	22:30	
LCSW-1	Fe	975.13745	964.00927	986.26568	1.61389	ug/L	09/18/10	22:30	
LCSW-1	2Fe	0.97527	0.96415	0.98640	1.61367	mg/L	09/18/10	22:30	
LCSW-1	K	5708.82226	5673.90234	5743.74218	0.86505	ug/L	09/18/10	22:30	
LCSW-1	Mg	5286.23144	5262.19384	5310.26904	0.64307	ug/L	09/18/10	22:30	
LCSW-1	2Mg	5.28480	5.26077	5.30883	0.64303	mg/L	09/18/10	22:30	
LCSW-1	Mn	507.74304	505.50344	509.98263	0.62379	ug/L	09/18/10	22:30	
LCSW-1	Mo	517.04980	513.39031	520.70928	1.00092	ug/L	09/18/10	22:30	
LCSW-1	Na	5043.96582	4959.24121	5128.69091	2.37549	ug/L	09/18/10	22:30	
LCSW-1	Ni	509.55902	507.39117	511.72689	0.60166	ug/L	09/18/10	22:30	
LCSW-1	Pb	513.91259	511.68627	516.13885	0.61264	ug/L	09/18/10	22:30	
LCSW-1	Se	2117.88330	2109.24047	2126.52636	0.57713	ug/L	09/18/10	22:30	
LCSW-1	Sb	444.49111	430.93969	458.04254	4.31158	ug/L	09/18/10	22:30	
LCSW-1	Sn	985.23645	975.80651	994.66644	1.35358	ug/L	09/18/10	22:30	
LCSW-1	Sr	535.64294	533.75817	537.52764	0.49761	ug/L	09/18/10	22:30	
LCSW-1	Ti	706.09387	702.45904	709.72863	0.72800	ug/L	09/18/10	22:30	
LCSW-1	Tl	2122.50439	2111.74707	2133.26196	0.71676	ug/L	09/18/10	22:30	
LCSW-1	V	497.90991	494.99786	500.82196	0.82710	ug/L	09/18/10	22:30	
LCSW-1	Zn	521.79589	519.74255	523.84930	0.55652	ug/L	09/18/10	22:30	
LCSW-1	2203/1	513.40039	508.89611	517.90472	1.24075	ug/L	09/18/10	22:30	
LCSW-1	2203/2	514.16827	513.07928	515.25726	0.29952	ug/L	09/18/10	22:30	
LCSW-1	1960/1	2092.76586	2076.67504	2108.85668	1.08735	ug/L	09/18/10	22:30	
LCSW-1	1960/2	2130.42285	2125.49804	2135.34741	0.32690	ug/L	09/18/10	22:30	
LCSW-1	Y	977.93023	977.53302	978.32745	0.05744		09/18/10	22:30	
RL LCSW-1	Ag	9.53201	9.79914	9.26487	3.96339	ug/L	09/18/10	22:35	
RL LCSW-1	Al	217.46911	214.09184	220.84638	2.19625	ug/L	09/18/10	22:35	
RL LCSW-1	2Al	0.21749	0.21411	0.22086	2.19625	mg/L	09/18/10	22:35	
RL LCSW-1	As	18.93989	18.63770	19.24208	2.25642	ug/L	09/18/10	22:35	
RL LCSW-1	B	116.60856	116.40634	116.81077	0.24524	ug/L	09/18/10	22:35	
RL LCSW-1	Ba	10.45786	10.46426	10.45146	0.08658	ug/L	09/18/10	22:35	
RL LCSW-1	Be	4.00649	3.98890	4.02409	0.62099	ug/L	09/18/10	22:35	
RL LCSW-1	Ca	510.77380	508.36599	513.18157	0.66666	ug/L	09/18/10	22:35	
RL LCSW-1	Cd	5.09116	5.07975	5.10256	0.31679	ug/L	09/18/10	22:35	
RL LCSW-1	Co	10.03022	9.69845	10.36198	4.67773	ug/L	09/18/10	22:35	
RL LCSW-1	Cr	10.34587	10.26884	10.42290	1.05290	ug/L	09/18/10	22:35	
RL LCSW-1	Cu	21.44403	21.60643	21.28164	1.07097	ug/L	09/18/10	22:35	
RL LCSW-1	Fe	45.22268	32.48451	57.96086	39.83509	ug/L	09/18/10	22:35	
RL LCSW-1	2Fe	0.04522	0.03248	0.05796	39.83185	mg/L	09/18/10	22:35	
RL LCSW-1	K	1110.31506	1091.84252	1128.78759	2.35285	ug/L	09/18/10	22:35	
RL LCSW-1	Mg	520.73736	519.33581	522.13891	0.38063	ug/L	09/18/10	22:35	
RL LCSW-1	2Mg	0.52058	0.51918	0.52198	0.38002	mg/L	09/18/10	22:35	
RL LCSW-1	Mn	10.34616	10.28770	10.40461	0.79901	ug/L	09/18/10	22:35	
RL LCSW-1	Mo	9.95306	11.60483	8.30129	23.46970	ug/L	09/18/10	22:35	
RL LCSW-1	Na	819.56738	718.86968	920.26507	17.37600	ug/L	09/18/10	22:35	
RL LCSW-1	Ni	42.03003	41.94153	42.11854	0.29780	ug/L	09/18/10	22:35	
RL LCSW-1	Pb	11.32992	10.75050	11.90934	7.23234	ug/L	09/18/10	22:35	
RL LCSW-1	Se	26.98497	31.84635	22.12358	25.47728	ug/L	09/18/10	22:35	
RL LCSW-1	Sb	19.19872	21.59303	16.80441	17.63693	ug/L	09/18/10	22:35	
RL LCSW-1	Sn	38.18152	39.59032	36.77272	5.21807	ug/L	09/18/10	22:35	
RL LCSW-1	Sr	10.66214	10.64132	10.68295	0.27609	ug/L	09/18/10	22:35	
RL LCSW-1	Ti	10.07608	10.10821	10.04394	0.45102	ug/L	09/18/10	22:35	
RL LCSW-1	Tl	26.95965	25.48402	28.43528	7.74066	ug/L	09/18/10	22:35	
RL LCSW-1	V	9.74264	9.43438	10.05091	4.47466	ug/L	09/18/10	22:35	
RL LCSW-1	Zn	22.54418	22.45911	22.62926	0.53368	ug/L	09/18/10	22:35	
RL LCSW-1	2203/1	10.46252	8.86123	12.06380	21.64452	ug/L	09/18/10	22:35	
RL LCSW-1	2203/2	11.76297	11.69372	11.83222	0.83253	ug/L	09/18/10	22:35	
RL LCSW-1	1960/1	26.50336	35.27350	17.73323	46.79724	ug/L	09/18/10	22:35	
RL LCSW-1	1960/2	27.22538	30.13532	24.31544	15.11558	ug/L	09/18/10	22:35	
RL LCSW-1	Y	972.39978	972.42596	972.37359	0.00380		09/18/10	22:35	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	488.78540	489.65759	487.91317	0.25235	ug/L	09/18/10	22:40	
CCV	Al	4854.58691	4856.08105	4853.09228	0.04353	ug/L	09/18/10	22:40	
CCV	2Al	4.85461	4.85610	4.85312	0.04349	mg/L	09/18/10	22:40	
CCV	As	496.95959	496.34536	497.57379	0.17478	ug/L	09/18/10	22:40	
CCV	B	4926.65917	4931.73583	4921.58203	0.14573	ug/L	09/18/10	22:40	
CCV	Ba	4917.50488	4923.86523	4911.14404	0.18292	ug/L	09/18/10	22:40	
CCV	Be	494.67782	494.79031	494.56533	0.03215	ug/L	09/18/10	22:40	
CCV	Ca	4922.71826	4927.41308	4918.02343	0.13487	ug/L	09/18/10	22:40	
CCV	Cd	502.92126	504.16122	501.68133	0.34867	ug/L	09/18/10	22:40	
CCV	Co	491.96325	491.61865	492.30786	0.09906	ug/L	09/18/10	22:40	
CCV	Cr	4979.73339	4988.77001	4970.69628	0.25664	ug/L	09/18/10	22:40	
CCV	Cu	4872.81542	4878.18798	4867.44287	0.15592	ug/L	09/18/10	22:40	
CCV	Fe	4890.96875	4881.18750	4900.74951	0.28281	ug/L	09/18/10	22:40	
CCV	2Fe	4.89122	4.88144	4.90100	0.28276	mg/L	09/18/10	22:40	
CCV	K	9718.36816	9719.29882	9717.43750	0.01354	ug/L	09/18/10	22:40	
CCV	Mg	4995.52929	5003.57568	4987.48339	0.22778	ug/L	09/18/10	22:40	
CCV	2Mg	4.99553	5.00358	4.98748	0.22783	mg/L	09/18/10	22:40	
CCV	Mn	4969.79589	4974.34570	4965.24658	0.12946	ug/L	09/18/10	22:40	
CCV	Mo	503.46002	500.64984	506.27023	0.78938	ug/L	09/18/10	22:40	
CCV	Na	7292.64892	7311.87207	7273.42578	0.37278	ug/L	09/18/10	22:40	
CCV	Ni	2495.45825	2500.39599	2490.52050	0.27982	ug/L	09/18/10	22:40	
CCV	Pb	506.20022	506.65225	505.74819	0.12628	ug/L	09/18/10	22:40	
CCV	Se	5042.79687	5053.37792	5032.21630	0.29673	ug/L	09/18/10	22:40	
CCV	Sb	491.36129	492.21087	490.51171	0.24452	ug/L	09/18/10	22:40	
CCV	Sn	5023.74609	5031.80712	5015.68554	0.22691	ug/L	09/18/10	22:40	
CCV	Sr	2507.14575	2512.05468	2502.23681	0.27689	ug/L	09/18/10	22:40	
CCV	Ti	492.34216	493.36605	491.31829	0.29410	ug/L	09/18/10	22:40	
CCV	Tl	5068.06542	5073.43701	5062.69433	0.14988	ug/L	09/18/10	22:40	
CCV	V	4922.44287	4927.28173	4917.60400	0.13902	ug/L	09/18/10	22:40	
CCV	Zn	2502.40527	2504.15258	2500.65820	0.09874	ug/L	09/18/10	22:40	
CCV	2203/1	505.49420	503.57159	507.41677	0.53788	ug/L	09/18/10	22:40	
CCV	2203/2	506.54843	508.18597	504.91088	0.45717	ug/L	09/18/10	22:40	
CCV	1960/1	4998.33496	5020.55957	4976.10986	0.62882	ug/L	09/18/10	22:40	
CCV	1960/2	5064.99511	5069.76269	5060.22753	0.13311	ug/L	09/18/10	22:40	
CCV	Y	967.08319	963.61737	970.54901	0.50682		09/18/10	22:40	
CCB	Ag	0.07875	-1.00087	1.15838	1938.74853	ug/L	09/18/10	22:45	
CCB	Al	14.63292	13.21768	16.04817	13.67776	ug/L	09/18/10	22:45	
CCB	2Al	0.01463	0.01321	0.01604	13.67770	mg/L	09/18/10	22:45	
CCB	As	-2.38989	-3.37055	-1.40922	58.03066	ug/L	09/18/10	22:45	
CCB	B	26.94516	29.19562	24.69470	11.81150	ug/L	09/18/10	22:45	
CCB	Ba	0.63318	0.03902	1.22733	132.70443	ug/L	09/18/10	22:45	
CCB	Be	0.06223	0.00939	0.11508	120.07838	ug/L	09/18/10	22:45	
CCB	Ca	5.66885	4.27700	7.06070	34.72259	ug/L	09/18/10	22:45	
CCB	Cd	0.13180	0.05886	0.20474	78.26475	ug/L	09/18/10	22:45	
CCB	Co	-0.41456	-0.49534	-0.33379	27.55509	ug/L	09/18/10	22:45	
CCB	Cr	1.07995	0.73004	1.42987	45.82123	ug/L	09/18/10	22:45	
CCB	Cu	1.20129	1.17269	1.22989	3.36714	ug/L	09/18/10	22:45	
CCB	Fe	-9.48927	-22.36654	3.38798	191.91351	ug/L	09/18/10	22:45	
CCB	2Fe	-0.00948	-0.02236	0.00338	191.91416	mg/L	09/18/10	22:45	
CCB	K	-4.39919	-13.89908	5.10070	305.39422	ug/L	09/18/10	22:45	
CCB	Mg	5.52471	6.91190	4.13753	35.50911	ug/L	09/18/10	22:45	
CCB	2Mg	0.00552	0.00691	0.00413	35.54779	mg/L	09/18/10	22:45	
CCB	Mn	0.93880	0.44465	1.43295	74.43819	ug/L	09/18/10	22:45	
CCB	Mo	0.56045	-0.58858	1.70948	289.94042	ug/L	09/18/10	22:45	
CCB	Na	-144.01318	-198.78398	-89.24237	53.78509	ug/L	09/18/10	22:45	
CCB	Ni	0.49854	0.07859	0.91849	119.12604	ug/L	09/18/10	22:45	
CCB	Pb	0.71513	1.25180	0.17846	106.12966	ug/L	09/18/10	22:45	
CCB	Se	3.47080	0.38571	6.55589	125.70520	ug/L	09/18/10	22:45	
CCB	Sb	-0.08179	0.61401	-0.77760	1203.03112	ug/L	09/18/10	22:45	
CCB	Sn	0.94266	-1.64128	3.52661	387.65039	ug/L	09/18/10	22:45	
CCB	Sr	0.40663	0.11958	0.69369	99.83312	ug/L	09/18/10	22:45	
CCB	Ti	0.59774	0.72845	0.46702	30.92610	ug/L	09/18/10	22:45	
CCB	Tl	7.01211	7.63591	6.38830	12.58098	ug/L	09/18/10	22:45	
CCB	V	0.82968	-0.15697	1.81634	168.17727	ug/L	09/18/10	22:45	
CCB	Zn	0.38102	0.12446	0.63759	95.22554	ug/L	09/18/10	22:45	
CCB	2203/1	-2.86417	-6.80924	1.08090	194.79225	ug/L	09/18/10	22:45	
CCB	2203/2	2.50210	5.27629	-0.27208	156.79983	ug/L	09/18/10	22:45	
CCB	1960/1	1.16876	-6.77172	9.10924	960.80590	ug/L	09/18/10	22:45	
CCB	1960/2	4.62009	3.95905	5.28112	20.23428	ug/L	09/18/10	22:45	
CCB	Y	963.54754	964.56024	962.53485	0.14863		09/18/10	22:45	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61177-1	Ag	-0.53020	-0.69996	-0.36044	45.28109	ug/L	09/18/10	22:51	
61177-1	Al	12.35309	14.55180	10.15437	25.17147	ug/L	09/18/10	22:51	
61177-1	2Al	0.01235	0.01455	0.01015	25.17147	mg/L	09/18/10	22:51	
61177-1	As	-3.07916	-1.76011	-4.39820	60.58174	ug/L	09/18/10	22:51	
61177-1	B	43.40214	43.04592	43.75835	1.16069	ug/L	09/18/10	22:51	
61177-1	Ba	5.88715	5.83236	5.94195	1.31637	ug/L	09/18/10	22:51	
61177-1	Be	-0.00439	-0.00490	-0.00387	16.60660	ug/L	09/18/10	22:51	
61177-1	Ca	20644.33007	20550.06835	20738.59179	0.64572	ug/L	09/18/10	22:51	
61177-1	Cd	-0.29620	-0.42293	-0.16947	60.50431	ug/L	09/18/10	22:51	
61177-1	Co	-0.44958	-0.12929	-0.76986	100.75057	ug/L	09/18/10	22:51	
61177-1	Cr	0.08670	-0.12288	0.29629	341.86264	ug/L	09/18/10	22:51	
61177-1	Cu	1.66129	1.01971	2.30287	54.61608	ug/L	09/18/10	22:51	
61177-1	Fe	272.04449	257.43185	286.65716	7.59633	ug/L	09/18/10	22:51	
61177-1	2Fe	0.27202	0.25741	0.28663	7.59633	mg/L	09/18/10	22:51	
61177-1	K	2731.98217	2717.48510	2746.47924	0.75044	ug/L	09/18/10	22:51	
61177-1	Mg	8230.89355	8195.28613	8266.50097	0.61179	ug/L	09/18/10	22:51	
61177-1	2Mg	8.22852	8.19292	8.26411	0.61176	mg/L	09/18/10	22:51	
61177-1	Mn	3.44899	3.48126	3.41672	1.32323	ug/L	09/18/10	22:51	
61177-1	Mo	0.69871	0.44341	0.95401	51.67401	ug/L	09/18/10	22:51	
61177-1	Na	16365.94921	16287.86230	16444.03515	0.67476	ug/L	09/18/10	22:51	
61177-1	Ni	0.61440	0.05637	1.17244	128.44628	ug/L	09/18/10	22:51	
61177-1	Pb	1.72702	2.28258	1.17146	45.49304	ug/L	09/18/10	22:51	
61177-1	Se	-0.01344	-1.95523	1.92833	20419.37109	ug/L	09/18/10	22:51	
61177-1	Sb	-0.20207	-1.05902	0.65487	599.73083	ug/L	09/18/10	22:51	
61177-1	Sn	-2.95600	-2.79285	-3.11914	7.80511	ug/L	09/18/10	22:51	
61177-1	Sr	332.90594	331.80499	334.00689	0.46769	ug/L	09/18/10	22:51	
61177-1	Ti	-0.01299	-0.10037	0.07438	950.77899	ug/L	09/18/10	22:51	
61177-1	Tl	1.25155	6.31614	-3.81304	572.28332	ug/L	09/18/10	22:51	
61177-1	V	0.17645	-0.08541	0.43832	209.87495	ug/L	09/18/10	22:51	
61177-1	Zn	249.72229	248.56710	250.87747	0.65419	ug/L	09/18/10	22:51	
61177-1	2203/1	2.10903	2.45514	1.76291	23.20870	ug/L	09/18/10	22:51	
61177-1	2203/2	1.53630	2.19642	0.87618	60.76603	ug/L	09/18/10	22:51	
61177-1	1960/1	-0.77064	6.37364	-7.91494	1311.04638	ug/L	09/18/10	22:51	
61177-1	1960/2	0.36458	-6.11342	6.84259	2512.80664	ug/L	09/18/10	22:51	
61177-1	Y	976.73858	975.89178	977.58538	0.12260		09/18/10	22:51	
61177-1L	Ag	0.12581	0.56310	-0.31146	491.50558	ug/L	09/18/10	22:56	
61177-1L	Al	56.88836	51.93120	61.84552	12.32322	ug/L	09/18/10	22:56	
61177-1L	2Al	0.05689	0.05193	0.06185	12.32323	mg/L	09/18/10	22:56	
61177-1L	As	-2.82462	-2.69069	-2.95856	6.70579	ug/L	09/18/10	22:56	
61177-1L	B	18.33416	18.93845	17.72987	4.66120	ug/L	09/18/10	22:56	
61177-1L	Ba	1.19752	1.16349	1.23155	4.01876	ug/L	09/18/10	22:56	
61177-1L	Be	0.00540	-0.00805	0.01886	352.19445	ug/L	09/18/10	22:56	
61177-1L	Ca	4232.11914	4176.66650	4287.57226	1.85302	ug/L	09/18/10	22:56	
61177-1L	Cd	-0.10454	-0.05769	-0.15140	63.38280	ug/L	09/18/10	22:56	
61177-1L	Co	-0.62062	-0.69912	-0.54212	17.88776	ug/L	09/18/10	22:56	
61177-1L	Cr	0.27771	0.14723	0.40820	66.44599	ug/L	09/18/10	22:56	
61177-1L	Cu	1.80027	1.79910	1.80143	0.09179	ug/L	09/18/10	22:56	
61177-1L	Fe	62.14093	72.54146	51.74040	23.66969	ug/L	09/18/10	22:56	
61177-1L	2Fe	0.06213	0.07253	0.05173	23.66971	mg/L	09/18/10	22:56	
61177-1L	K	492.58459	477.57366	507.59548	4.30964	ug/L	09/18/10	22:56	
61177-1L	Mg	1672.51110	1654.74768	1690.27453	1.50200	ug/L	09/18/10	22:56	
61177-1L	2Mg	1.67202	1.65426	1.68978	1.50216	mg/L	09/18/10	22:56	
61177-1L	Mn	1.07753	1.19964	0.95542	16.02658	ug/L	09/18/10	22:56	
61177-1L	Mo	-0.54379	-0.43718	-0.65040	27.72542	ug/L	09/18/10	22:56	
61177-1L	Na	3277.87500	3149.25366	3406.49658	5.54927	ug/L	09/18/10	22:56	
61177-1L	Ni	1.28991	0.38735	2.19246	98.95292	ug/L	09/18/10	22:56	
61177-1L	Pb	1.21457	0.82371	1.60543	45.50996	ug/L	09/18/10	22:56	
61177-1L	Se	5.76275	8.10166	3.42383	57.39839	ug/L	09/18/10	22:56	
61177-1L	Sb	-2.13871	-2.00826	-2.26916	8.62583	ug/L	09/18/10	22:56	
61177-1L	Sn	1.20980	2.90895	-0.48935	198.62458	ug/L	09/18/10	22:56	
61177-1L	Sr	68.06410	67.25302	68.87519	1.68525	ug/L	09/18/10	22:56	
61177-1L	Ti	0.18882	0.17592	0.20172	9.66071	ug/L	09/18/10	22:56	
61177-1L	Tl	5.16066	5.66126	4.66007	13.71823	ug/L	09/18/10	22:56	
61177-1L	V	0.49669	0.59717	0.39621	28.60961	ug/L	09/18/10	22:56	
61177-1L	Zn	51.25077	50.47455	52.02700	2.14192	ug/L	09/18/10	22:56	
61177-1L	2203/1	2.03850	0.92051	3.15648	77.56026	ug/L	09/18/10	22:56	
61177-1L	2203/2	0.80322	0.77539	0.83106	4.90090	ug/L	09/18/10	22:56	
61177-1L	1960/1	3.49270	11.44010	-4.45468	321.79382	ug/L	09/18/10	22:56	
61177-1L	1960/2	6.89607	6.43495	7.35719	9.45638	ug/L	09/18/10	22:56	
61177-1L	Y	975.78265	970.84582	980.71948	0.71550		09/18/10	22:56	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61177-1A	Ag	44.33836	46.03909	42.63763	5.42464	ug/L	09/18/10	23:01	
61177-1A	Al	1957.92272	2027.60766	1888.23779	5.03336	ug/L	09/18/10	23:01	
61177-1A	2Al	1.95800	2.02759	1.88841	5.02625	mg/L	09/18/10	23:01	
61177-1A	As	2025.08325	2105.93676	1944.22973	5.64639	ug/L	09/18/10	23:01	
61177-1A	B	1009.70257	1043.37817	976.02697	4.71668	ug/L	09/18/10	23:01	
61177-1A	Ba	1994.65600	2068.60180	1920.71008	5.24277	ug/L	09/18/10	23:01	
61177-1A	Be	49.43369	51.36471	47.50267	5.52432	ug/L	09/18/10	23:01	
61177-1A	Ca	25054.29882	25115.48632	24993.11132	0.34537	ug/L	09/18/10	23:01	
61177-1A	Cd	50.57566	52.62295	48.52836	5.72470	ug/L	09/18/10	23:01	
61177-1A	Co	493.35620	511.29449	475.41787	5.14204	ug/L	09/18/10	23:01	
61177-1A	Cr	199.20237	207.57110	190.83364	5.94127	ug/L	09/18/10	23:01	
61177-1A	Cu	246.27885	255.52459	237.03311	5.30920	ug/L	09/18/10	23:01	
61177-1A	Fe	1236.93554	1273.92053	1199.95068	4.22856	ug/L	09/18/10	23:01	
61177-1A	2Fe	1.23705	1.27404	1.20006	4.22872	mg/L	09/18/10	23:01	
61177-1A	K	8129.52832	8273.87109	7985.18505	2.51099	ug/L	09/18/10	23:01	
61177-1A	Mg	12973.34277	13103.55371	12843.13183	1.41941	ug/L	09/18/10	23:01	
61177-1A	2Mg	12.96969	13.09986	12.83951	1.41944	mg/L	09/18/10	23:01	
61177-1A	Mn	501.32910	520.31768	482.34051	5.35654	ug/L	09/18/10	23:01	
61177-1A	Mo	469.06982	485.17755	452.96209	4.85636	ug/L	09/18/10	23:01	
61177-1A	Na	21130.30078	21091.60156	21169.00000	0.25900	ug/L	09/18/10	23:01	
61177-1A	Ni	495.22753	512.71594	477.73910	4.99414	ug/L	09/18/10	23:01	
61177-1A	Pb	511.62145	530.85943	492.38351	5.31771	ug/L	09/18/10	23:01	
61177-1A	Se	2104.12402	2185.79589	2022.45227	5.48928	ug/L	09/18/10	23:01	
61177-1A	Sb	451.66003	462.82449	440.49554	3.49576	ug/L	09/18/10	23:01	
61177-1A	Sn	933.54309	966.94549	900.14068	5.06009	ug/L	09/18/10	23:01	
61177-1A	Sr	814.51190	831.30834	797.71545	2.91631	ug/L	09/18/10	23:01	
61177-1A	Ti	930.07775	965.67852	894.47698	5.41321	ug/L	09/18/10	23:01	
61177-1A	Tl	2071.93212	2141.38549	2002.47851	4.74060	ug/L	09/18/10	23:01	
61177-1A	V	485.59777	504.54846	466.64709	5.51903	ug/L	09/18/10	23:01	
61177-1A	Zn	752.36279	769.40917	735.31646	3.20419	ug/L	09/18/10	23:01	
61177-1A	2203/1	494.35308	512.04437	476.66180	5.06100	ug/L	09/18/10	23:01	
61177-1A	2203/2	520.24273	540.25286	500.23257	5.43950	ug/L	09/18/10	23:01	
61177-1A	1960/1	2033.09399	2110.77026	1955.41772	5.40313	ug/L	09/18/10	23:01	
61177-1A	1960/2	2139.58520	2223.25170	2055.91870	5.53015	ug/L	09/18/10	23:01	
61177-1A	Y	971.32165	974.04101	968.60223	0.39593		09/18/10	23:01	
61177-1S	Ag	43.10364	43.23073	42.97655	0.41697	ug/L	09/18/10	23:06	
61177-1S	Al	1906.61828	1901.48535	1911.75122	0.38072	ug/L	09/18/10	23:06	
61177-1S	2Al	1.90680	1.90166	1.91193	0.38072	mg/L	09/18/10	23:06	
61177-1S	As	1977.30480	1977.37219	1977.23742	0.00481	ug/L	09/18/10	23:06	
61177-1S	B	1054.04711	1052.50573	1055.58850	0.20680	ug/L	09/18/10	23:06	
61177-1S	Ba	1952.76318	1947.10937	1958.41711	0.40945	ug/L	09/18/10	23:06	
61177-1S	Be	48.31291	48.24491	48.38090	0.19903	ug/L	09/18/10	23:06	
61177-1S	Ca	25055.20898	24997.47460	25112.94335	0.32587	ug/L	09/18/10	23:06	
61177-1S	Cd	49.86155	49.50842	50.21468	1.00158	ug/L	09/18/10	23:06	
61177-1S	Co	481.31683	479.75640	482.87722	0.45848	ug/L	09/18/10	23:06	
61177-1S	Cr	195.79570	195.26705	196.32434	0.38183	ug/L	09/18/10	23:06	
61177-1S	Cu	240.04138	239.48861	240.59413	0.32565	ug/L	09/18/10	23:06	
61177-1S	Fe	1224.08618	1214.60095	1233.57141	1.09584	ug/L	09/18/10	23:06	
61177-1S	2Fe	1.22419	1.21471	1.23368	1.09572	mg/L	09/18/10	23:06	
61177-1S	K	8204.20703	8172.17822	8236.23535	0.55209	ug/L	09/18/10	23:06	
61177-1S	Mg	13000.98828	12969.83203	13032.14453	0.33890	ug/L	09/18/10	23:06	
61177-1S	2Mg	12.99732	12.96618	13.02847	0.33888	mg/L	09/18/10	23:06	
61177-1S	Mn	490.93591	489.78814	492.08370	0.33063	ug/L	09/18/10	23:06	
61177-1S	Mo	495.43054	492.51708	498.34399	0.83164	ug/L	09/18/10	23:06	
61177-1S	Na	21311.94531	21224.30468	21399.58789	0.58157	ug/L	09/18/10	23:06	
61177-1S	Ni	484.72241	485.22036	484.22445	0.14528	ug/L	09/18/10	23:06	
61177-1S	Pb	487.18011	486.76089	487.59930	0.12168	ug/L	09/18/10	23:06	
61177-1S	Se	2011.31518	2013.40490	2009.22546	0.14693	ug/L	09/18/10	23:06	
61177-1S	Sb	439.35534	425.66998	453.04074	4.40510	ug/L	09/18/10	23:06	
61177-1S	Sn	959.08502	955.76336	962.40667	0.48979	ug/L	09/18/10	23:06	
61177-1S	Sr	826.50189	825.42004	827.58374	0.18511	ug/L	09/18/10	23:06	
61177-1S	Ti	676.42602	675.77563	677.07641	0.13597	ug/L	09/18/10	23:06	
61177-1S	Tl	2011.76708	2002.42114	2021.11315	0.65699	ug/L	09/18/10	23:06	
61177-1S	V	475.65185	475.09793	476.20581	0.16469	ug/L	09/18/10	23:06	
61177-1S	Zn	740.39208	738.00500	742.77917	0.45595	ug/L	09/18/10	23:06	
61177-1S	2203/1	488.54986	488.58438	488.51538	0.00998	ug/L	09/18/10	23:06	
61177-1S	2203/2	486.49621	485.85052	487.14193	0.18770	ug/L	09/18/10	23:06	
61177-1S	1960/1	1996.65942	2010.02648	1983.29235	0.94677	ug/L	09/18/10	23:06	
61177-1S	1960/2	2018.63134	2015.09094	2022.17187	0.24803	ug/L	09/18/10	23:06	
61177-1S	Y	974.03228	969.52758	978.53698	0.65404		09/18/10	23:06	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61177-1SD	Ag	45.08829	45.40774	44.76885	1.00194	ug/L	09/18/10	23:11	
61177-1SD	Al	1976.74279	1974.59448	1978.89111	0.15369	ug/L	09/18/10	23:11	
61177-1SD	2Al	1.97683	1.97478	1.97887	0.14640	mg/L	09/18/10	23:11	
61177-1SD	As	2054.91796	2058.96215	2050.87402	0.27831	ug/L	09/18/10	23:11	
61177-1SD	B	1100.96948	1097.87756	1104.06152	0.39716	ug/L	09/18/10	23:11	
61177-1SD	Ba	2027.91589	2022.30285	2033.52893	0.39143	ug/L	09/18/10	23:11	
61177-1SD	Be	50.29714	50.18125	50.41302	0.32583	ug/L	09/18/10	23:11	
61177-1SD	Ca	25567.43554	25483.71289	25651.15820	0.46309	ug/L	09/18/10	23:11	
61177-1SD	Cd	52.09697	52.02214	52.17180	0.20312	ug/L	09/18/10	23:11	
61177-1SD	Co	501.57611	500.18402	502.96823	0.39250	ug/L	09/18/10	23:11	
61177-1SD	Cr	203.11759	202.57823	203.65696	0.37553	ug/L	09/18/10	23:11	
61177-1SD	Cu	249.49990	247.96066	251.03913	0.87246	ug/L	09/18/10	23:11	
61177-1SD	Fe	1252.88854	1250.41210	1255.36499	0.27953	ug/L	09/18/10	23:11	
61177-1SD	2Fe	1.25300	1.25053	1.25548	0.27956	mg/L	09/18/10	23:11	
61177-1SD	K	8530.91796	8500.63183	8561.20312	0.50206	ug/L	09/18/10	23:11	
61177-1SD	Mg	13406.89062	13366.44628	13447.33496	0.42662	ug/L	09/18/10	23:11	
61177-1SD	2Mg	13.40311	13.36268	13.44355	0.42662	mg/L	09/18/10	23:11	
61177-1SD	Mn	509.70220	508.37219	511.03222	0.36902	ug/L	09/18/10	23:11	
61177-1SD	Mo	518.81567	515.62921	522.00213	0.86858	ug/L	09/18/10	23:11	
61177-1SD	Na	21583.16015	21382.49804	21783.82226	1.31481	ug/L	09/18/10	23:11	
61177-1SD	Ni	503.22888	500.98239	505.47534	0.63132	ug/L	09/18/10	23:11	
61177-1SD	Pb	508.70379	509.02954	508.37802	0.09056	ug/L	09/18/10	23:11	
61177-1SD	Se	2084.03613	2079.70629	2088.36621	0.29382	ug/L	09/18/10	23:11	
61177-1SD	Sb	456.03930	444.88858	467.19000	3.45792	ug/L	09/18/10	23:11	
61177-1SD	Sn	1016.37145	1007.87902	1024.86389	1.18166	ug/L	09/18/10	23:11	
61177-1SD	Sr	855.65905	852.56585	858.75231	0.51124	ug/L	09/18/10	23:11	
61177-1SD	Ti	709.59558	707.39575	711.79547	0.43842	ug/L	09/18/10	23:11	
61177-1SD	Tl	2100.26123	2096.37377	2104.14892	0.26177	ug/L	09/18/10	23:11	
61177-1SD	V	494.54199	493.08926	495.99472	0.41542	ug/L	09/18/10	23:11	
61177-1SD	Zn	764.76037	762.40496	767.11572	0.43556	ug/L	09/18/10	23:11	
61177-1SD	2203/1	505.34906	505.07095	505.62713	0.07782	ug/L	09/18/10	23:11	
61177-1SD	2203/2	510.37866	511.00588	509.75140	0.17380	ug/L	09/18/10	23:11	
61177-1SD	1960/1	2059.84667	2061.46313	2058.23046	0.11097	ug/L	09/18/10	23:11	
61177-1SD	1960/2	2096.11230	2088.81347	2103.41088	0.49243	ug/L	09/18/10	23:11	
61177-1SD	Y	973.08947	973.01086	973.16802	0.01142		09/18/10	23:11	
61061-1	Ag	0.19753	-0.21653	0.61159	296.44265	ug/L	09/18/10	23:17	
61061-1	Al	26.83058	24.28397	29.37718	13.42292	ug/L	09/18/10	23:17	
61061-1	2Al	0.02683	0.02428	0.02938	13.42288	mg/L	09/18/10	23:17	
61061-1	As	16.92161	16.74535	17.09787	1.47308	ug/L	09/18/10	23:17	
61061-1	B	54.17852	56.57484	51.78220	6.25508	ug/L	09/18/10	23:17	
61061-1	Ba	86.67073	86.30667	87.03479	0.59403	ug/L	09/18/10	23:17	
61061-1	Be	-0.01683	-0.03617	0.00250	162.44145	ug/L	09/18/10	23:17	
61061-1	Ca	26684.41601	26614.62304	26754.20898	0.36988	ug/L	09/18/10	23:17	
61061-1	Cd	-0.38854	-0.51755	-0.25953	46.95585	ug/L	09/18/10	23:17	
61061-1	Co	-0.38219	-0.48727	-0.27711	38.88088	ug/L	09/18/10	23:17	
61061-1	Cr	-0.27358	0.22702	-0.77420	258.77243	ug/L	09/18/10	23:17	
61061-1	Cu	-0.06111	-0.23819	0.11596	409.75311	ug/L	09/18/10	23:17	
61061-1	Fe	149.51382	138.19363	160.83399	10.70747	ug/L	09/18/10	23:17	
61061-1	2Fe	0.14950	0.13818	0.16082	10.70751	mg/L	09/18/10	23:17	
61061-1	K	4126.44628	4110.94287	4141.95019	0.53134	ug/L	09/18/10	23:17	
61061-1	Mg	10436.54785	10410.39648	10462.69921	0.35436	ug/L	09/18/10	23:17	
61061-1	2Mg	10.43357	10.40743	10.45972	0.35434	mg/L	09/18/10	23:17	
61061-1	Mn	5.61453	5.62447	5.60460	0.25021	ug/L	09/18/10	23:17	
61061-1	Mo	49.13687	48.78969	49.48404	0.99920	ug/L	09/18/10	23:17	
61061-1	Na	21332.92968	20947.88867	21717.96875	2.55252	ug/L	09/18/10	23:17	
61061-1	Ni	0.76996	0.38397	1.15595	70.89559	ug/L	09/18/10	23:17	
61061-1	Pb	2.24471	2.33277	2.15665	5.54776	ug/L	09/18/10	23:17	
61061-1	Se	15.55566	13.88996	17.22137	15.14339	ug/L	09/18/10	23:17	
61061-1	Sb	2.24276	0.17626	4.30926	130.30654	ug/L	09/18/10	23:17	
61061-1	Sn	1.95225	2.12222	1.78228	12.31294	ug/L	09/18/10	23:17	
61061-1	Sr	4455.00000	4447.65478	4462.34472	0.23316	ug/L	09/18/10	23:17	
61061-1	Ti	0.62660	0.72346	0.52973	21.86215	ug/L	09/18/10	23:17	
61061-1	Tl	7.49992	9.88655	5.11330	45.00308	ug/L	09/18/10	23:17	
61061-1	V	0.69310	0.79400	0.59221	20.58657	ug/L	09/18/10	23:17	
61061-1	Zn	0.71311	0.29303	1.13319	83.30834	ug/L	09/18/10	23:17	
61061-1	2203/1	3.76044	0.99935	6.52152	103.83802	ug/L	09/18/10	23:17	
61061-1	2203/2	1.48798	2.99848	-0.02250	143.56031	ug/L	09/18/10	23:17	
61061-1	1960/1	12.58375	13.68681	11.48069	12.39660	ug/L	09/18/10	23:17	
61061-1	1960/2	17.03922	13.99122	20.08723	25.29767	ug/L	09/18/10	23:17	
61061-1	Y	968.50183	965.89593	971.10772	0.38051		09/18/10	23:17	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61061-2	Ag	0.22587	0.22566	0.22608	0.12938	ug/L	09/18/10	23:22	
61061-2	Al	32.50294	35.18529	29.82058	11.67100	ug/L	09/18/10	23:22	
61061-2	2Al	0.03250	0.03518	0.02982	11.67104	mg/L	09/18/10	23:22	
61061-2	As	-2.67961	-3.18171	-2.17751	26.49899	ug/L	09/18/10	23:22	
61061-2	B	92.39926	93.71997	91.07855	2.02141	ug/L	09/18/10	23:22	
61061-2	Ba	39.95473	39.67370	40.23576	0.99472	ug/L	09/18/10	23:22	
61061-2	Be	-0.00711	-0.02825	0.01402	420.01278	ug/L	09/18/10	23:22	
61061-2	Ca	50039.62500	49866.71484	50212.53906	0.48868	ug/L	09/18/10	23:22	
61061-2	Cd	-0.15297	-0.25728	-0.04867	96.42664	ug/L	09/18/10	23:22	
61061-2	Co	-0.20442	-0.33840	-0.07044	92.68651	ug/L	09/18/10	23:22	
61061-2	Cr	-0.42985	-0.27471	-0.58500	51.04220	ug/L	09/18/10	23:22	
61061-2	Cu	-0.27586	-0.59316	0.04143	162.66258	ug/L	09/18/10	23:22	
61061-2	Fe	88.36502	81.85209	94.87796	10.42344	ug/L	09/18/10	23:22	
61061-2	2Fe	0.08835	0.08184	0.09487	10.42362	mg/L	09/18/10	23:22	
61061-2	K	10291.50878	10227.43261	10355.58496	0.88050	ug/L	09/18/10	23:22	
61061-2	Mg	34285.06250	34156.55468	34413.57421	0.53008	ug/L	09/18/10	23:22	
61061-2	2Mg	34.27397	34.14690	34.40104	0.52431	mg/L	09/18/10	23:22	
61061-2	Mn	11.98325	12.01190	11.95461	0.33806	ug/L	09/18/10	23:22	
61061-2	Mo	1.26777	-0.29380	2.82936	174.19587	ug/L	09/18/10	23:22	
61061-2	Na	238166.75000	236996.56250	239336.92187	0.69484	ug/L	09/18/10	23:22	
61061-2	Ni	0.10836	-0.72022	0.93694	1081.38415	ug/L	09/18/10	23:22	
61061-2	Pb	0.73962	1.64398	-0.16473	172.92015	ug/L	09/18/10	23:22	
61061-2	Se	9.39844	13.46604	5.33085	61.20631	ug/L	09/18/10	23:22	
61061-2	Sb	-2.21752	-6.17141	1.73636	252.15698	ug/L	09/18/10	23:22	
61061-2	Sn	-1.92966	-1.19055	-2.66878	54.16811	ug/L	09/18/10	23:22	
61061-2	Sr	12687.95019	12661.74218	12714.15820	0.29211	ug/L	09/18/10	23:22	
61061-2	Ti	0.51728	0.47237	0.56219	12.27756	ug/L	09/18/10	23:22	
61061-2	Tl	2.31019	-0.81236	5.43274	191.15110	ug/L	09/18/10	23:22	
61061-2	V	-0.38644	-1.02196	0.24907	232.57180	ug/L	09/18/10	23:22	
61061-2	Zn	0.49441	0.57956	0.40926	24.35597	ug/L	09/18/10	23:22	
61061-2	2203/1	-0.00421	1.76799	-1.77641	59510.42968	ug/L	09/18/10	23:22	
61061-2	2203/2	1.11098	1.58207	0.63989	59.96696	ug/L	09/18/10	23:22	
61061-2	1960/1	11.75218	10.09435	13.41001	19.94971	ug/L	09/18/10	23:22	
61061-2	1960/2	8.22282	15.14884	1.29681	119.11792	ug/L	09/18/10	23:22	
61061-2	Y	960.57934	961.15551	960.00317	0.08482		09/18/10	23:22	
61061-3	Ag	-0.39079	-0.61333	-0.16824	80.53603	ug/L	09/18/10	23:27	
61061-3	Al	18.44000	15.78624	21.09375	20.35237	ug/L	09/18/10	23:27	
61061-3	2Al	0.01844	0.01578	0.02109	20.35235	mg/L	09/18/10	23:27	
61061-3	As	-2.36490	-1.97916	-2.75064	23.06752	ug/L	09/18/10	23:27	
61061-3	B	103.17842	103.63783	102.71901	0.62968	ug/L	09/18/10	23:27	
61061-3	Ba	25.15279	24.99585	25.30972	0.88235	ug/L	09/18/10	23:27	
61061-3	Be	-0.02483	-0.01686	-0.03280	45.39490	ug/L	09/18/10	23:27	
61061-3	Ca	47203.32812	46936.14453	47470.51171	0.80048	ug/L	09/18/10	23:27	
61061-3	Cd	-0.30971	-0.33932	-0.28010	13.51865	ug/L	09/18/10	23:27	
61061-3	Co	0.16871	0.10109	0.23632	56.67917	ug/L	09/18/10	23:27	
61061-3	Cr	-0.31348	-0.11824	-0.50873	88.07978	ug/L	09/18/10	23:27	
61061-3	Cu	-0.24079	0.26575	-0.74733	297.50143	ug/L	09/18/10	23:27	
61061-3	Fe	0.66744	-11.78897	13.12386	2639.31396	ug/L	09/18/10	23:27	
61061-3	2Fe	0.00066	-0.01178	0.01312	2639.50512	mg/L	09/18/10	23:27	
61061-3	K	9929.48339	9848.46777	10010.49902	1.15387	ug/L	09/18/10	23:27	
61061-3	Mg	38019.60937	37822.27734	38216.94531	0.73402	ug/L	09/18/10	23:27	
61061-3	2Mg	38.00605	37.80878	38.20333	0.73405	mg/L	09/18/10	23:27	
61061-3	Mn	-0.17608	-0.13956	-0.21261	29.33268	ug/L	09/18/10	23:27	
61061-3	Mo	9.01857	8.37044	9.66671	10.16345	ug/L	09/18/10	23:27	
61061-3	Na	176368.73437	174572.42187	178165.04687	1.44037	ug/L	09/18/10	23:27	
61061-3	Ni	0.23539	0.02719	0.44359	125.08164	ug/L	09/18/10	23:27	
61061-3	Pb	0.41005	0.36681	0.45328	14.91106	ug/L	09/18/10	23:27	
61061-3	Se	8.33383	6.22680	10.44085	35.75526	ug/L	09/18/10	23:27	
61061-3	Sb	-3.46900	-6.13241	-0.80560	108.57933	ug/L	09/18/10	23:27	
61061-3	Sn	-2.54179	-4.53096	-0.55262	110.67401	ug/L	09/18/10	23:27	
61061-3	Sr	12860.37695	12792.45312	12928.30078	0.74693	ug/L	09/18/10	23:27	
61061-3	Ti	0.28305	0.22667	0.33943	28.16964	ug/L	09/18/10	23:27	
61061-3	Tl	0.12495	-2.37662	2.62652	2831.28540	ug/L	09/18/10	23:27	
61061-3	V	-1.02894	-1.06965	-0.98823	5.59548	ug/L	09/18/10	23:27	
61061-3	Zn	0.47115	0.35582	0.58649	34.61840	ug/L	09/18/10	23:27	
61061-3	2203/1	1.27492	2.14595	0.40389	96.61930	ug/L	09/18/10	23:27	
61061-3	2203/2	-0.02173	-0.52141	0.47795	3251.72607	ug/L	09/18/10	23:27	
61061-3	1960/1	8.93145	3.41489	14.44800	87.34957	ug/L	09/18/10	23:27	
61061-3	1960/2	8.03547	7.63065	8.44028	7.12463	ug/L	09/18/10	23:27	
61061-3	Y	954.35046	955.65563	953.04534	0.19340		09/18/10	23:27	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61121-1	Ag	-0.06962	-0.26525	0.12600	397.36834	ug/L	09/18/10	23:32	
61121-1	Al	11.77231	9.62421	13.92040	25.80520	ug/L	09/18/10	23:32	
61121-1	2Al	0.01177	0.00962	0.01392	25.80512	mg/L	09/18/10	23:32	
61121-1	As	18.56298	21.09147	16.03448	19.26325	ug/L	09/18/10	23:32	
61121-1	B	50.45121	51.59083	49.31160	3.19448	ug/L	09/18/10	23:32	
61121-1	Ba	64.99475	64.53371	65.45578	1.00316	ug/L	09/18/10	23:32	
61121-1	Be	-0.03002	-0.05096	-0.00907	98.65696	ug/L	09/18/10	23:32	
61121-1	Ca	26744.32031	26620.83398	26867.80859	0.65298	ug/L	09/18/10	23:32	
61121-1	Cd	-0.14943	-0.29610	-0.00277	138.79823	ug/L	09/18/10	23:32	
61121-1	Co	-0.29035	-0.56436	-0.01633	133.46286	ug/L	09/18/10	23:32	
61121-1	Cr	0.51540	1.07386	-0.04306	153.23678	ug/L	09/18/10	23:32	
61121-1	Cu	0.01324	-0.24739	0.27389	2781.94433	ug/L	09/18/10	23:32	
61121-1	Fe	144.46450	139.04696	149.88206	5.30342	ug/L	09/18/10	23:32	
61121-1	2Fe	0.14445	0.13903	0.14987	5.30353	mg/L	09/18/10	23:32	
61121-1	K	4041.37231	4004.12963	4078.61499	1.30324	ug/L	09/18/10	23:32	
61121-1	Mg	9597.39062	9557.01953	9637.76074	0.59487	ug/L	09/18/10	23:32	
61121-1	2Mg	9.59465	9.55430	9.63501	0.59486	mg/L	09/18/10	23:32	
61121-1	Mn	5.91093	5.85494	5.96693	1.33961	ug/L	09/18/10	23:32	
61121-1	Mo	26.36939	25.61567	27.12311	4.04224	ug/L	09/18/10	23:32	
61121-1	Na	20398.96679	20246.80078	20551.13281	1.05493	ug/L	09/18/10	23:32	
61121-1	Ni	0.43508	-0.52884	1.39900	313.31912	ug/L	09/18/10	23:32	
61121-1	Pb	-0.95080	-0.67277	-1.22882	41.35301	ug/L	09/18/10	23:32	
61121-1	Se	10.05976	11.59257	8.52695	21.54842	ug/L	09/18/10	23:32	
61121-1	Sb	-6.47449	-6.11812	-6.83086	7.78416	ug/L	09/18/10	23:32	
61121-1	Sn	-0.52734	-2.82761	1.77291	616.87249	ug/L	09/18/10	23:32	
61121-1	Sr	3816.83569	3798.11938	3835.55200	0.69347	ug/L	09/18/10	23:32	
61121-1	Ti	0.32238	0.35422	0.29055	13.96424	ug/L	09/18/10	23:32	
61121-1	Tl	2.91259	0.89057	4.93461	98.17948	ug/L	09/18/10	23:32	
61121-1	V	0.87417	0.12384	1.62450	121.38668	ug/L	09/18/10	23:32	
61121-1	Zn	1.16963	1.19787	1.14138	3.41525	ug/L	09/18/10	23:32	
61121-1	2203/1	-2.34717	-3.31213	-1.38222	58.14037	ug/L	09/18/10	23:32	
61121-1	2203/2	-0.25365	0.64492	-1.15224	500.98446	ug/L	09/18/10	23:32	
61121-1	1960/1	10.22966	16.31753	4.14179	84.16259	ug/L	09/18/10	23:32	
61121-1	1960/2	9.97478	9.23348	10.71609	10.51009	ug/L	09/18/10	23:32	
61121-1	Y	966.76019	967.31890	966.20147	0.08173		09/18/10	23:32	
61121-3	Ag	0.34980	0.71942	-0.01982	149.43675	ug/L	09/18/10	23:37	
61121-3	Al	11.28543	14.51166	8.05921	40.42884	ug/L	09/18/10	23:37	
61121-3	2Al	0.01128	0.01451	0.00806	40.42874	mg/L	09/18/10	23:37	
61121-3	As	-1.50505	-2.41402	-0.59607	85.41152	ug/L	09/18/10	23:37	
61121-3	B	85.98745	85.86859	86.10632	0.19549	ug/L	09/18/10	23:37	
61121-3	Ba	27.87436	27.72832	28.02039	0.74092	ug/L	09/18/10	23:37	
61121-3	Be	-0.00798	-0.00725	-0.00872	13.02120	ug/L	09/18/10	23:37	
61121-3	Ca	46789.64843	46643.83984	46935.45312	0.44069	ug/L	09/18/10	23:37	
61121-3	Cd	-0.28322	-0.61073	0.04428	163.53125	ug/L	09/18/10	23:37	
61121-3	Co	-0.41294	-0.33205	-0.49383	27.70337	ug/L	09/18/10	23:37	
61121-3	Cr	-0.31315	-0.42999	-0.19631	52.76609	ug/L	09/18/10	23:37	
61121-3	Cu	0.07778	0.19691	-0.04134	216.60009	ug/L	09/18/10	23:37	
61121-3	Fe	1.76633	0.13245	3.40022	130.81671	ug/L	09/18/10	23:37	
61121-3	2Fe	0.00176	0.00013	0.00339	130.83094	mg/L	09/18/10	23:37	
61121-3	K	6116.56445	6090.38134	6142.74755	0.60538	ug/L	09/18/10	23:37	
61121-3	Mg	34084.74609	33995.14843	34174.34375	0.37175	ug/L	09/18/10	23:37	
61121-3	2Mg	34.07512	33.98554	34.16469	0.37176	mg/L	09/18/10	23:37	
61121-3	Mn	-0.13458	-0.12836	-0.14079	6.53124	ug/L	09/18/10	23:37	
61121-3	Mo	12.93333	14.07441	11.79224	12.47740	ug/L	09/18/10	23:37	
61121-3	Na	104089.35937	103156.67968	105022.03906	1.26718	ug/L	09/18/10	23:37	
61121-3	Ni	0.80813	1.17048	0.44577	63.41083	ug/L	09/18/10	23:37	
61121-3	Pb	0.96628	-0.38424	2.31681	197.65832	ug/L	09/18/10	23:37	
61121-3	Se	15.14365	12.46477	17.82253	25.01717	ug/L	09/18/10	23:37	
61121-3	Sb	-0.74288	1.41611	-2.90188	411.00476	ug/L	09/18/10	23:37	
61121-3	Sn	-3.31551	-5.99290	-0.63812	114.20246	ug/L	09/18/10	23:37	
61121-3	Sr	14960.65234	14916.35742	15004.94628	0.41871	ug/L	09/18/10	23:37	
61121-3	Ti	0.21583	0.40183	0.02984	121.86488	ug/L	09/18/10	23:37	
61121-3	Tl	5.17254	5.28916	5.05592	3.18845	ug/L	09/18/10	23:37	
61121-3	V	-0.62668	-0.86676	-0.38660	54.17782	ug/L	09/18/10	23:37	
61121-3	Zn	-0.41673	-0.27403	-0.55943	48.42649	ug/L	09/18/10	23:37	
61121-3	2203/1	3.05111	2.75435	3.34787	13.75504	ug/L	09/18/10	23:37	
61121-3	2203/2	-0.07456	-1.95119	1.80206	3559.20776	ug/L	09/18/10	23:37	
61121-3	1960/1	15.85508	14.81603	16.89413	9.26794	ug/L	09/18/10	23:37	
61121-3	1960/2	14.78847	11.29090	18.28604	33.44708	ug/L	09/18/10	23:37	
61121-3	Y	957.92541	958.98175	956.86907	0.15594		09/18/10	23:37	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	487.86758	490.46154	485.27362	0.75192	ug/L	09/18/10	23:42	
CCV	Al	4871.11230	4880.99560	4861.22851	0.28694	ug/L	09/18/10	23:42	
CCV	2Al	4.87134	4.88143	4.86125	0.29298	mg/L	09/18/10	23:42	
CCV	As	497.62335	497.33666	497.91006	0.08147	ug/L	09/18/10	23:42	
CCV	B	4911.00097	4926.38769	4895.61474	0.44308	ug/L	09/18/10	23:42	
CCV	Ba	4907.87255	4922.10498	4893.64013	0.41011	ug/L	09/18/10	23:42	
CCV	Be	492.29925	494.22680	490.37173	0.55371	ug/L	09/18/10	23:42	
CCV	Ca	4913.87695	4927.61718	4900.13671	0.39544	ug/L	09/18/10	23:42	
CCV	Cd	499.82876	500.64285	499.01467	0.23033	ug/L	09/18/10	23:42	
CCV	Co	490.68145	492.23519	489.12774	0.44780	ug/L	09/18/10	23:42	
CCV	Cr	4961.53125	4977.61425	4945.44775	0.45843	ug/L	09/18/10	23:42	
CCV	Cu	4869.00390	4885.72705	4852.28027	0.48573	ug/L	09/18/10	23:42	
CCV	Fe	4878.64550	4896.64306	4860.64843	0.52170	ug/L	09/18/10	23:42	
CCV	2Fe	4.87890	4.89690	4.86090	0.52167	mg/L	09/18/10	23:42	
CCV	K	9753.93554	9780.43164	9727.44042	0.38415	ug/L	09/18/10	23:42	
CCV	Mg	4987.76708	5005.66894	4969.86523	0.50758	ug/L	09/18/10	23:42	
CCV	2Mg	4.98777	5.00567	4.96987	0.50756	mg/L	09/18/10	23:42	
CCV	Mn	4958.11132	4974.91259	4941.31054	0.47921	ug/L	09/18/10	23:42	
CCV	Mo	498.53656	500.40155	496.67153	0.52905	ug/L	09/18/10	23:42	
CCV	Na	7225.73535	7197.43994	7254.03076	0.55379	ug/L	09/18/10	23:42	
CCV	Ni	2485.80444	2494.36303	2477.24584	0.48691	ug/L	09/18/10	23:42	
CCV	Pb	505.71276	509.20214	502.22338	0.97579	ug/L	09/18/10	23:42	
CCV	Se	5020.18750	5038.70019	5001.67431	0.52151	ug/L	09/18/10	23:42	
CCV	Sb	493.71661	489.80523	497.62802	1.12038	ug/L	09/18/10	23:42	
CCV	Sn	5014.05664	5024.23535	5003.87792	0.28709	ug/L	09/18/10	23:42	
CCV	Sr	2479.17919	2482.71020	2475.64843	0.20141	ug/L	09/18/10	23:42	
CCV	Ti	490.63708	492.32049	488.95367	0.48522	ug/L	09/18/10	23:42	
CCV	Tl	5045.06738	5056.75537	5033.37939	0.32763	ug/L	09/18/10	23:42	
CCV	V	4918.57373	4930.97900	4906.16845	0.35668	ug/L	09/18/10	23:42	
CCV	Zn	2493.86669	2502.56469	2485.16894	0.49323	ug/L	09/18/10	23:42	
CCV	2203/1	504.47436	508.06399	500.88473	1.00629	ug/L	09/18/10	23:42	
CCV	2203/2	506.32672	509.76605	502.88739	0.96063	ug/L	09/18/10	23:42	
CCV	1960/1	4986.29150	5009.05371	4963.52929	0.64558	ug/L	09/18/10	23:42	
CCV	1960/2	5037.10986	5053.50146	5020.71826	0.46020	ug/L	09/18/10	23:42	
CCV	Y	955.25402	951.82318	958.68493	0.50792		09/18/10	23:42	
CCB	Ag	0.37443	0.37633	0.37254	0.71556	ug/L	09/18/10	23:48	
CCB	Al	8.83418	16.89379	0.77458	129.02153	ug/L	09/18/10	23:48	
CCB	2Al	0.00883	0.01689	0.00077	129.02171	mg/L	09/18/10	23:48	
CCB	As	-2.96580	-3.43095	-2.50066	22.17991	ug/L	09/18/10	23:48	
CCB	B	27.41092	29.81484	25.00699	12.40258	ug/L	09/18/10	23:48	
CCB	Ba	0.63997	0.02555	1.25439	135.77462	ug/L	09/18/10	23:48	
CCB	Be	0.07005	0.00375	0.13635	133.84539	ug/L	09/18/10	23:48	
CCB	Ca	1.31311	-0.67763	3.30386	214.40254	ug/L	09/18/10	23:48	
CCB	Cd	0.24756	0.13063	0.36448	66.79448	ug/L	09/18/10	23:48	
CCB	Co	-0.45323	-0.17954	-0.72692	85.39849	ug/L	09/18/10	23:48	
CCB	Cr	0.71633	0.42874	1.00393	56.77757	ug/L	09/18/10	23:48	
CCB	Cu	1.17537	0.86348	1.48725	37.52647	ug/L	09/18/10	23:48	
CCB	Fe	9.34740	9.90630	8.78851	8.45579	ug/L	09/18/10	23:48	
CCB	2Fe	0.00934	0.00990	0.00878	8.45646	mg/L	09/18/10	23:48	
CCB	K	-7.51458	-20.13431	5.10513	237.49781	ug/L	09/18/10	23:48	
CCB	Mg	2.73516	1.33172	4.13860	72.56470	ug/L	09/18/10	23:48	
CCB	2Mg	0.00273	0.00132	0.00413	72.61701	mg/L	09/18/10	23:48	
CCB	Mn	0.84699	0.26095	1.43303	97.85060	ug/L	09/18/10	23:48	
CCB	Mo	0.52382	0.37661	0.67104	39.74462	ug/L	09/18/10	23:48	
CCB	Na	-230.44413	-371.69418	-89.19408	86.68379	ug/L	09/18/10	23:48	
CCB	Ni	1.32694	0.40689	2.24698	98.05554	ug/L	09/18/10	23:48	
CCB	Pb	0.84614	1.53354	0.15875	114.88780	ug/L	09/18/10	23:48	
CCB	Se	4.28741	3.07648	5.49834	39.94271	ug/L	09/18/10	23:48	
CCB	Sb	-2.19595	-4.92021	0.52831	175.44511	ug/L	09/18/10	23:48	
CCB	Sn	0.91357	-0.42890	2.25605	207.81607	ug/L	09/18/10	23:48	
CCB	Sr	0.48703	0.12135	0.85271	106.18395	ug/L	09/18/10	23:48	
CCB	Ti	0.44472	0.37879	0.51065	20.96500	ug/L	09/18/10	23:48	
CCB	Tl	5.63985	5.69213	5.58756	1.31110	ug/L	09/18/10	23:48	
CCB	V	1.45335	0.98936	1.91735	45.14990	ug/L	09/18/10	23:48	
CCB	Zn	0.26908	0.18520	0.35295	44.08327	ug/L	09/18/10	23:48	
CCB	2203/1	0.01611	-1.18642	1.21866	10550.08496	ug/L	09/18/10	23:48	
CCB	2203/2	1.26053	2.89148	-0.37041	182.97850	ug/L	09/18/10	23:48	
CCB	1960/1	1.86709	-2.30539	6.03957	316.04119	ug/L	09/18/10	23:48	
CCB	1960/2	5.49576	5.76339	5.22813	6.88688	ug/L	09/18/10	23:48	
CCB	Y	958.80712	955.12310	962.49121	0.54338		09/18/10	23:48	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61122-1	Ag	0.54822	0.22632	0.87013	83.03908	ug/L	09/18/10	23:53	
61122-1	Al	20.00147	15.00879	24.99416	35.30099	ug/L	09/18/10	23:53	
61122-1	2Al	0.02000	0.01501	0.02499	35.30109	mg/L	09/18/10	23:53	
61122-1	As	-1.00108	-4.56228	2.56011	503.08303	ug/L	09/18/10	23:53	
61122-1	B	167.01327	166.78880	167.23773	0.19006	ug/L	09/18/10	23:53	
61122-1	Ba	6.35586	6.42034	6.29138	1.43472	ug/L	09/18/10	23:53	
61122-1	Be	0.02331	0.03500	0.01162	70.90271	ug/L	09/18/10	23:53	
61122-1	Ca	33256.39062	33123.91406	33388.87109	0.56335	ug/L	09/18/10	23:53	
61122-1	Cd	-0.11269	0.00449	-0.22988	147.06379	ug/L	09/18/10	23:53	
61122-1	Co	-0.51751	-0.17450	-0.86052	93.73548	ug/L	09/18/10	23:53	
61122-1	Cr	-0.25372	-0.66245	0.15499	227.81202	ug/L	09/18/10	23:53	
61122-1	Cu	2.31096	2.32997	2.29195	1.16327	ug/L	09/18/10	23:53	
61122-1	Fe	32.01593	42.19616	21.83571	44.96827	ug/L	09/18/10	23:53	
61122-1	2Fe	0.03201	0.04219	0.02183	44.96897	mg/L	09/18/10	23:53	
61122-1	K	6468.79589	6452.50927	6485.08251	0.35605	ug/L	09/18/10	23:53	
61122-1	Mg	7880.61718	7853.91992	7907.31445	0.47909	ug/L	09/18/10	23:53	
61122-1	2Mg	7.87839	7.85170	7.90508	0.47913	mg/L	09/18/10	23:53	
61122-1	Mn	17.24208	17.24389	17.24027	0.01485	ug/L	09/18/10	23:53	
61122-1	Mo	1.64122	2.75687	0.52558	96.13278	ug/L	09/18/10	23:53	
61122-1	Na	28321.20312	28377.60351	28264.80273	0.28163	ug/L	09/18/10	23:53	
61122-1	Ni	0.86072	1.27517	0.44628	68.09471	ug/L	09/18/10	23:53	
61122-1	Pb	0.54880	0.54311	0.55450	1.46842	ug/L	09/18/10	23:53	
61122-1	Se	1.98843	6.30334	-2.32647	306.88467	ug/L	09/18/10	23:53	
61122-1	Sb	-2.74347	-4.39192	-1.09502	84.97484	ug/L	09/18/10	23:53	
61122-1	Sn	-1.85534	0.59606	-4.30675	186.85575	ug/L	09/18/10	23:53	
61122-1	Sr	72.99504	72.79101	73.19905	0.39527	ug/L	09/18/10	23:53	
61122-1	Ti	0.23919	0.31574	0.16264	45.25933	ug/L	09/18/10	23:53	
61122-1	Tl	7.69435	8.47254	6.91616	14.30308	ug/L	09/18/10	23:53	
61122-1	V	1.77954	2.26851	1.29058	38.85832	ug/L	09/18/10	23:53	
61122-1	Zn	18.62367	18.47859	18.76875	1.10170	ug/L	09/18/10	23:53	
61122-1	2203/1	2.30950	1.89751	2.72149	25.22776	ug/L	09/18/10	23:53	
61122-1	2203/2	-0.33021	-0.13307	-0.52735	84.42897	ug/L	09/18/10	23:53	
61122-1	1960/1	1.75399	5.47753	-1.96953	300.22100	ug/L	09/18/10	23:53	
61122-1	1960/2	2.10547	6.71563	-2.50467	309.65612	ug/L	09/18/10	23:53	
61122-1	Y	957.79443	959.33093	956.25799	0.22686		09/18/10	23:53	
21993-1	Ag	-0.33636	-0.02158	-0.65113	132.34410	ug/L	09/18/10	23:58	
21993-1	Al	14.72570	18.50751	10.94389	36.31938	ug/L	09/18/10	23:58	
21993-1	2Al	0.01472	0.01850	0.01094	36.31938	mg/L	09/18/10	23:58	
21993-1	As	-0.75122	-0.29862	-1.20381	85.20295	ug/L	09/18/10	23:58	
21993-1	B	44.32812	43.96815	44.68808	1.14839	ug/L	09/18/10	23:58	
21993-1	Ba	46.87482	46.78464	46.96500	0.27205	ug/L	09/18/10	23:58	
21993-1	Be	-0.01570	-0.00591	-0.02550	88.21479	ug/L	09/18/10	23:58	
21993-1	Ca	8924.28808	8887.12304	8961.45312	0.58894	ug/L	09/18/10	23:58	
21993-1	Cd	-0.25243	-0.11350	-0.39136	77.83235	ug/L	09/18/10	23:58	
21993-1	Co	0.05029	-0.10385	0.20445	433.43841	ug/L	09/18/10	23:58	
21993-1	Cr	-0.37119	-0.46666	-0.27572	36.37471	ug/L	09/18/10	23:58	
21993-1	Cu	13.33274	13.06972	13.59576	2.78986	ug/L	09/18/10	23:58	
21993-1	Fe	3.26012	9.64468	-3.12443	276.95660	ug/L	09/18/10	23:58	
21993-1	2Fe	0.00325	0.00964	-0.00312	276.95098	mg/L	09/18/10	23:58	
21993-1	K	3160.59204	3155.01391	3166.17016	0.24959	ug/L	09/18/10	23:58	
21993-1	Mg	3190.41064	3180.44531	3200.37622	0.44173	ug/L	09/18/10	23:58	
21993-1	2Mg	3.18951	3.17954	3.19947	0.44178	mg/L	09/18/10	23:58	
21993-1	Mn	1.57805	1.60341	1.55269	2.27297	ug/L	09/18/10	23:58	
21993-1	Mo	0.69963	0.59059	0.80867	22.04179	ug/L	09/18/10	23:58	
21993-1	Na	19140.73437	19140.98632	19140.48437	0.00185	ug/L	09/18/10	23:58	
21993-1	Ni	1.24012	0.93763	1.54261	34.49539	ug/L	09/18/10	23:58	
21993-1	Pb	2.17763	1.26225	3.09301	59.44704	ug/L	09/18/10	23:58	
21993-1	Se	5.20056	6.20769	4.19344	27.38722	ug/L	09/18/10	23:58	
21993-1	Sb	-3.65389	-6.15184	-1.15595	96.68107	ug/L	09/18/10	23:58	
21993-1	Sn	-0.24431	0.67208	-1.16071	530.45739	ug/L	09/18/10	23:58	
21993-1	Sr	86.65907	86.33032	86.98781	0.53649	ug/L	09/18/10	23:58	
21993-1	Ti	0.29099	0.34422	0.23776	25.86968	ug/L	09/18/10	23:58	
21993-1	Tl	2.80053	-5.24289	10.84397	406.17672	ug/L	09/18/10	23:58	
21993-1	V	0.43679	0.87003	0.00355	140.26937	ug/L	09/18/10	23:58	
21993-1	Zn	23.38274	23.24290	23.52258	0.84575	ug/L	09/18/10	23:58	
21993-1	2203/1	0.73631	0.57177	0.90086	31.60337	ug/L	09/18/10	23:58	
21993-1	2203/2	2.89725	1.60706	4.18744	62.97685	ug/L	09/18/10	23:58	
21993-1	1960/1	1.06505	3.56058	-1.43047	331.36505	ug/L	09/18/10	23:58	
21993-1	1960/2	7.26522	7.52926	7.00118	5.13969	ug/L	09/18/10	23:58	
21993-1	Y	975.43347	974.25927	976.60760	0.17023		09/18/10	23:58	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
21993-2	Ag	-0.04532	-0.36339	0.27275	992.52703	ug/L	09/19/10	00:03	
21993-2	Al	23.20976	19.97209	26.44743	19.72771	ug/L	09/19/10	00:03	
21993-2	2Al	0.02321	0.01997	0.02645	19.72775	mg/L	09/19/10	00:03	
21993-2	As	1.07409	1.65100	0.49719	75.95827	ug/L	09/19/10	00:03	
21993-2	B	44.30532	45.18031	43.43033	2.79293	ug/L	09/19/10	00:03	
21993-2	Ba	53.24382	53.21164	53.27600	0.08547	ug/L	09/19/10	00:03	
21993-2	Be	-0.00026	-0.01107	0.01053	5716.93750	ug/L	09/19/10	00:03	
21993-2	Ca	9691.91992	9666.28808	9717.55175	0.37401	ug/L	09/19/10	00:03	
21993-2	Cd	-0.05833	0.02113	-0.13780	192.64634	ug/L	09/19/10	00:03	
21993-2	Co	-0.03575	0.31448	-0.38598	1385.39794	ug/L	09/19/10	00:03	
21993-2	Cr	0.16910	0.38149	-0.04328	177.62179	ug/L	09/19/10	00:03	
21993-2	Cu	2.28925	2.21921	2.35929	4.32677	ug/L	09/19/10	00:03	
21993-2	Fe	154.72286	158.48460	150.96113	3.43833	ug/L	09/19/10	00:03	
21993-2	2Fe	0.15471	0.15847	0.15094	3.43842	mg/L	09/19/10	00:03	
21993-2	K	3262.81835	3244.38085	3281.25561	0.79913	ug/L	09/19/10	00:03	
21993-2	Mg	3055.94189	3044.25219	3067.63183	0.54097	ug/L	09/19/10	00:03	
21993-2	2Mg	3.05507	3.04338	3.06676	0.54100	mg/L	09/19/10	00:03	
21993-2	Mn	48.77003	48.73698	48.80308	0.09583	ug/L	09/19/10	00:03	
21993-2	Mo	1.18621	1.18652	1.18590	0.03702	ug/L	09/19/10	00:03	
21993-2	Na	19400.82812	19094.52929	19707.12500	2.23274	ug/L	09/19/10	00:03	
21993-2	Ni	1.25076	1.92049	0.58103	75.72471	ug/L	09/19/10	00:03	
21993-2	Pb	-0.17712	0.37056	-0.72481	437.28753	ug/L	09/19/10	00:03	
21993-2	Se	5.28981	5.67329	4.90634	10.25198	ug/L	09/19/10	00:03	
21993-2	Sb	-0.78117	-1.88412	0.32178	199.67745	ug/L	09/19/10	00:03	
21993-2	Sn	3.21861	1.31621	5.12101	83.58872	ug/L	09/19/10	00:03	
21993-2	Sr	90.54034	90.21791	90.86277	0.50363	ug/L	09/19/10	00:03	
21993-2	Ti	0.21835	0.30505	0.13165	56.15322	ug/L	09/19/10	00:03	
21993-2	Tl	3.60190	5.25491	1.94890	64.90168	ug/L	09/19/10	00:03	
21993-2	V	0.74161	0.76746	0.71577	4.92889	ug/L	09/19/10	00:03	
21993-2	Zn	0.43440	0.51981	0.34899	27.80500	ug/L	09/19/10	00:03	
21993-2	2203/1	-0.29965	1.17415	-1.77347	695.55310	ug/L	09/19/10	00:03	
21993-2	2203/2	-0.11595	-0.03062	-0.20128	104.06841	ug/L	09/19/10	00:03	
21993-2	1960/1	1.40409	-1.14622	3.95441	256.86975	ug/L	09/19/10	00:03	
21993-2	1960/2	7.22976	9.07793	5.38159	36.15201	ug/L	09/19/10	00:03	
21993-2	Y	966.03558	965.76495	966.30621	0.03961		09/19/10	00:03	
61061-1 1/20	Ag	-0.36461	-0.51211	-0.21711	57.21063	ug/L	09/19/10	00:08	
61061-1 1/20	Al	6.51804	4.35787	8.67820	46.86885	ug/L	09/19/10	00:08	
61061-1 1/20	2Al	0.00651	0.00435	0.00867	46.86877	mg/L	09/19/10	00:08	
61061-1 1/20	As	-0.41891	-1.39166	0.55383	328.39172	ug/L	09/19/10	00:08	
61061-1 1/20	B	15.05784	13.49340	16.62227	14.69296	ug/L	09/19/10	00:08	
61061-1 1/20	Ba	4.21276	4.21731	4.20820	0.15299	ug/L	09/19/10	00:08	
61061-1 1/20	Be	-0.02843	-0.02806	-0.02881	1.87583	ug/L	09/19/10	00:08	
61061-1 1/20	Ca	1349.87231	1348.86950	1350.87500	0.10505	ug/L	09/19/10	00:08	
61061-1 1/20	Cd	-0.35660	-0.30054	-0.41265	22.22908	ug/L	09/19/10	00:08	
61061-1 1/20	Co	-0.20293	-0.67075	0.26487	326.00610	ug/L	09/19/10	00:08	
61061-1 1/20	Cr	-0.17741	-0.39095	0.03611	170.21176	ug/L	09/19/10	00:08	
61061-1 1/20	Cu	-0.79099	-0.99741	-0.58458	36.90453	ug/L	09/19/10	00:08	
61061-1 1/20	Fe	1.74143	-1.99499	5.47786	303.43444	ug/L	09/19/10	00:08	
61061-1 1/20	2Fe	0.00174	-0.00199	0.00547	303.46578	mg/L	09/19/10	00:08	
61061-1 1/20	K	160.55325	160.21464	160.89187	0.29826	ug/L	09/19/10	00:08	
61061-1 1/20	Mg	521.36914	522.49584	520.24249	0.30561	ug/L	09/19/10	00:08	
61061-1 1/20	2Mg	0.52122	0.52234	0.52009	0.30577	mg/L	09/19/10	00:08	
61061-1 1/20	Mn	0.17888	0.13750	0.22025	32.71298	ug/L	09/19/10	00:08	
61061-1 1/20	Mo	1.45207	2.23168	0.67246	75.92858	ug/L	09/19/10	00:08	
61061-1 1/20	Na	820.32434	725.62420	915.02441	16.32600	ug/L	09/19/10	00:08	
61061-1 1/20	Ni	0.36678	-0.00179	0.73536	142.11466	ug/L	09/19/10	00:08	
61061-1 1/20	Pb	-1.53022	-2.19862	-0.86182	61.77278	ug/L	09/19/10	00:08	
61061-1 1/20	Se	3.54537	4.04924	3.04149	20.09913	ug/L	09/19/10	00:08	
61061-1 1/20	Sb	-5.80644	-6.76880	-4.84408	23.43912	ug/L	09/19/10	00:08	
61061-1 1/20	Sn	-1.65938	-0.38515	-2.93360	108.59629	ug/L	09/19/10	00:08	
61061-1 1/20	Sr	229.58023	229.79855	229.36190	0.13448	ug/L	09/19/10	00:08	
61061-1 1/20	Ti	0.06221	-0.02504	0.14948	198.34233	ug/L	09/19/10	00:08	
61061-1 1/20	Tl	0.33846	-0.66310	1.34003	418.49188	ug/L	09/19/10	00:08	
61061-1 1/20	V	-0.38740	-0.51768	-0.25712	47.55953	ug/L	09/19/10	00:08	
61061-1 1/20	Zn	0.58016	0.46557	0.69476	27.93294	ug/L	09/19/10	00:08	
61061-1 1/20	2203/1	-3.27265	-4.63462	-1.91068	58.85493	ug/L	09/19/10	00:08	
61061-1 1/20	2203/2	-0.66031	-0.98245	-0.33818	68.99259	ug/L	09/19/10	00:08	
61061-1 1/20	1960/1	0.49320	1.47474	-0.48833	281.44491	ug/L	09/19/10	00:08	
61061-1 1/20	1960/2	5.06916	5.33457	4.80376	7.40432	ug/L	09/19/10	00:08	
61061-1 1/20	Y	960.70153	961.20788	960.19525	0.07453		09/19/10	00:08	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61061-2 1/20	Ag	-0.58858	-0.61215	-0.56502	5.66153	ug/L	09/19/10	00:13	
61061-2 1/20	Al	11.71195	18.42664	4.99726	81.07963	ug/L	09/19/10	00:13	
61061-2 1/20	2Al	0.01171	0.01842	0.00499	81.07964	mg/L	09/19/10	00:13	
61061-2 1/20	As	-1.59313	0.69024	-3.87650	202.69430	ug/L	09/19/10	00:13	
61061-2 1/20	B	17.58163	16.88501	18.27825	5.60342	ug/L	09/19/10	00:13	
61061-2 1/20	Ba	1.95022	1.93861	1.96183	0.84189	ug/L	09/19/10	00:13	
61061-2 1/20	Be	-0.02457	-0.03028	-0.01886	32.87009	ug/L	09/19/10	00:13	
61061-2 1/20	Ca	2526.07421	2525.60766	2526.54077	0.02611	ug/L	09/19/10	00:13	
61061-2 1/20	Cd	-0.25345	-0.11523	-0.39167	77.12518	ug/L	09/19/10	00:13	
61061-2 1/20	Co	-0.75425	-0.67611	-0.83239	14.65124	ug/L	09/19/10	00:13	
61061-2 1/20	Cr	-0.25521	0.03716	-0.54760	162.01660	ug/L	09/19/10	00:13	
61061-2 1/20	Cu	-0.71228	-0.38100	-1.04355	65.77331	ug/L	09/19/10	00:13	
61061-2 1/20	Fe	-3.56376	-14.92282	7.79530	450.76358	ug/L	09/19/10	00:13	
61061-2 1/20	2Fe	-0.00356	-0.01492	0.00779	450.73394	mg/L	09/19/10	00:13	
61061-2 1/20	K	377.41696	372.11798	382.71594	1.98557	ug/L	09/19/10	00:13	
61061-2 1/20	Mg	1724.85900	1724.77819	1724.93981	0.00662	ug/L	09/19/10	00:13	
61061-2 1/20	2Mg	1.72437	1.72429	1.72445	0.00646	mg/L	09/19/10	00:13	
61061-2 1/20	Mn	0.58732	0.56780	0.60684	4.69984	ug/L	09/19/10	00:13	
61061-2 1/20	Mo	1.23806	0.30119	2.17493	107.01615	ug/L	09/19/10	00:13	
61061-2 1/20	Na	10205.43554	10257.95312	10152.91894	0.72775	ug/L	09/19/10	00:13	
61061-2 1/20	Ni	-0.50164	-0.72247	-0.28082	62.25444	ug/L	09/19/10	00:13	
61061-2 1/20	Pb	-0.81017	-0.81979	-0.80056	1.67833	ug/L	09/19/10	00:13	
61061-2 1/20	Se	4.23243	9.03359	-0.56873	160.42480	ug/L	09/19/10	00:13	
61061-2 1/20	Sb	0.53311	1.54725	-0.48102	269.02584	ug/L	09/19/10	00:13	
61061-2 1/20	Sn	-0.46292	-0.58760	-0.33825	38.08739	ug/L	09/19/10	00:13	
61061-2 1/20	Sr	681.75762	683.37182	680.14343	0.33484	ug/L	09/19/10	00:13	
61061-2 1/20	Ti	-0.00726	-0.19288	0.17835	3612.91308	ug/L	09/19/10	00:13	
61061-2 1/20	Tl	4.18421	6.32049	2.04793	72.20370	ug/L	09/19/10	00:13	
61061-2 1/20	V	0.21689	0.40126	0.03252	120.21353	ug/L	09/19/10	00:13	
61061-2 1/20	Zn	-0.24523	-0.21628	-0.27419	16.69969	ug/L	09/19/10	00:13	
61061-2 1/20	2203/1	0.41924	-1.28228	2.12076	573.96911	ug/L	09/19/10	00:13	
61061-2 1/20	2203/2	-1.42396	-0.58889	-2.25903	82.93516	ug/L	09/19/10	00:13	
61061-2 1/20	1960/1	3.17309	5.99160	0.35458	125.61772	ug/L	09/19/10	00:13	
61061-2 1/20	1960/2	4.76129	10.55228	-1.02969	172.00579	ug/L	09/19/10	00:13	
61061-2 1/20	Y	955.56396	957.95159	953.17633	0.35336		09/19/10	00:13	
61061-3 1/20	Ag	0.37010	0.46693	0.27326	37.00053	ug/L	09/19/10	00:19	
61061-3 1/20	Al	10.20016	8.70583	11.69449	20.71837	ug/L	09/19/10	00:19	
61061-3 1/20	2Al	0.01020	0.00870	0.01169	20.71844	mg/L	09/19/10	00:19	
61061-3 1/20	As	-4.97045	-7.22169	-2.71921	64.05310	ug/L	09/19/10	00:19	
61061-3 1/20	B	17.11515	16.85826	17.37203	2.12259	ug/L	09/19/10	00:19	
61061-3 1/20	Ba	1.18165	1.12563	1.23768	6.70533	ug/L	09/19/10	00:19	
61061-3 1/20	Be	0.01075	0.01191	0.00960	15.18925	ug/L	09/19/10	00:19	
61061-3 1/20	Ca	2376.94287	2376.22460	2377.66137	0.04274	ug/L	09/19/10	00:19	
61061-3 1/20	Cd	-0.29869	-0.32253	-0.27485	11.28744	ug/L	09/19/10	00:19	
61061-3 1/20	Co	0.02250	0.30876	-0.26375	1798.88000	ug/L	09/19/10	00:19	
61061-3 1/20	Cr	-0.25474	-0.73674	0.22726	267.58587	ug/L	09/19/10	00:19	
61061-3 1/20	Cu	-0.07526	0.10865	-0.25918	345.56307	ug/L	09/19/10	00:19	
61061-3 1/20	Fe	5.43794	6.47881	4.39708	27.06912	ug/L	09/19/10	00:19	
61061-3 1/20	2Fe	0.00543	0.00647	0.00439	27.07288	mg/L	09/19/10	00:19	
61061-3 1/20	K	373.69244	383.17370	364.21115	3.58812	ug/L	09/19/10	00:19	
61061-3 1/20	Mg	1906.54333	1902.81933	1910.26733	0.27623	ug/L	09/19/10	00:19	
61061-3 1/20	2Mg	1.90600	1.90228	1.90972	0.27624	mg/L	09/19/10	00:19	
61061-3 1/20	Mn	-0.04211	-0.04805	-0.03617	19.94519	ug/L	09/19/10	00:19	
61061-3 1/20	Mo	-1.25265	-0.65934	-1.84597	66.98324	ug/L	09/19/10	00:19	
61061-3 1/20	Na	7496.18164	7652.25927	7340.10449	2.94452	ug/L	09/19/10	00:19	
61061-3 1/20	Ni	-0.66756	-1.41253	0.07739	157.81723	ug/L	09/19/10	00:19	
61061-3 1/20	Pb	1.45958	1.31587	1.60329	13.92433	ug/L	09/19/10	00:19	
61061-3 1/20	Se	5.23540	3.31311	7.15769	51.92582	ug/L	09/19/10	00:19	
61061-3 1/20	Sb	-0.21161	2.07728	-2.50051	1529.64978	ug/L	09/19/10	00:19	
61061-3 1/20	Sn	-1.61562	-2.22068	-1.01055	52.96395	ug/L	09/19/10	00:19	
61061-3 1/20	Sr	693.19543	693.40924	692.98168	0.04361	ug/L	09/19/10	00:19	
61061-3 1/20	Ti	0.30169	0.13911	0.46427	76.21070	ug/L	09/19/10	00:19	
61061-3 1/20	Tl	2.43583	0.02741	4.84426	139.82995	ug/L	09/19/10	00:19	
61061-3 1/20	V	-0.01967	0.46867	-0.50803	3509.52929	ug/L	09/19/10	00:19	
61061-3 1/20	Zn	0.15041	0.12062	0.18021	28.01275	ug/L	09/19/10	00:19	
61061-3 1/20	2203/1	0.98911	-0.34370	2.32193	190.56391	ug/L	09/19/10	00:19	
61061-3 1/20	2203/2	1.69446	2.14441	1.24450	37.55351	ug/L	09/19/10	00:19	
61061-3 1/20	1960/1	1.22908	-0.52088	2.97904	201.35520	ug/L	09/19/10	00:19	
61061-3 1/20	1960/2	7.23554	5.22723	9.24385	39.25307	ug/L	09/19/10	00:19	
61061-3 1/20	Y	966.93041	968.82049	965.04040	0.27643		09/19/10	00:19	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61121-1 1/20	Ag	-0.46173	-0.51141	-0.41205	15.21549	ug/L	09/19/10	00:24	
61121-1 1/20	Al	6.06925	6.11488	6.02362	1.06326	ug/L	09/19/10	00:24	
61121-1 1/20	2Al	0.00606	0.00611	0.00602	1.06340	mg/L	09/19/10	00:24	
61121-1 1/20	As	-0.80556	-1.67360	0.06246	152.38716	ug/L	09/19/10	00:24	
61121-1 1/20	B	14.94317	15.50595	14.38038	5.32618	ug/L	09/19/10	00:24	
61121-1 1/20	Ba	2.94209	2.95460	2.92959	0.60094	ug/L	09/19/10	00:24	
61121-1 1/20	Be	-0.01168	-0.02704	0.00366	185.78068	ug/L	09/19/10	00:24	
61121-1 1/20	Ca	1353.58178	1355.53662	1351.62695	0.20423	ug/L	09/19/10	00:24	
61121-1 1/20	Cd	-0.41602	-0.49657	-0.33547	27.38160	ug/L	09/19/10	00:24	
61121-1 1/20	Co	-0.46662	-1.24559	0.31235	236.08770	ug/L	09/19/10	00:24	
61121-1 1/20	Cr	0.55569	0.49949	0.61189	14.30247	ug/L	09/19/10	00:24	
61121-1 1/20	Cu	0.07052	-0.57087	0.71192	1286.20520	ug/L	09/19/10	00:24	
61121-1 1/20	Fe	-1.48874	-6.25378	3.27629	452.64785	ug/L	09/19/10	00:24	
61121-1 1/20	2Fe	-0.00148	-0.00625	0.00327	452.61065	mg/L	09/19/10	00:24	
61121-1 1/20	K	151.07723	140.12234	162.03213	10.25472	ug/L	09/19/10	00:24	
61121-1 1/20	Mg	485.65289	485.21337	486.09237	0.12798	ug/L	09/19/10	00:24	
61121-1 1/20	2Mg	0.48551	0.48507	0.48595	0.12773	mg/L	09/19/10	00:24	
61121-1 1/20	Mn	0.32417	0.26643	0.38192	25.19049	ug/L	09/19/10	00:24	
61121-1 1/20	Mo	0.81834	1.18981	0.44687	64.19471	ug/L	09/19/10	00:24	
61121-1 1/20	Na	831.23394	802.19012	860.27777	4.94134	ug/L	09/19/10	00:24	
61121-1 1/20	Ni	-0.69110	-0.22876	-1.15344	94.60848	ug/L	09/19/10	00:24	
61121-1 1/20	Pb	-0.45353	0.48597	-1.39303	292.95910	ug/L	09/19/10	00:24	
61121-1 1/20	Se	-0.82130	-0.46478	-1.17783	61.38964	ug/L	09/19/10	00:24	
61121-1 1/20	Sb	-1.57052	-0.04079	-3.10024	137.74797	ug/L	09/19/10	00:24	
61121-1 1/20	Sn	-1.70697	-1.34895	-2.06500	29.66191	ug/L	09/19/10	00:24	
61121-1 1/20	Sr	197.91040	198.31904	197.50177	0.29200	ug/L	09/19/10	00:24	
61121-1 1/20	Ti	0.20556	0.17232	0.23879	22.86339	ug/L	09/19/10	00:24	
61121-1 1/20	Tl	-0.69127	-0.82402	-0.55853	27.15642	ug/L	09/19/10	00:24	
61121-1 1/20	V	-0.51557	-0.72400	-0.30714	57.17192	ug/L	09/19/10	00:24	
61121-1 1/20	Zn	0.49211	0.29517	0.68904	56.59404	ug/L	09/19/10	00:24	
61121-1 1/20	2203/1	-2.93575	-2.55148	-3.32002	18.51094	ug/L	09/19/10	00:24	
61121-1 1/20	2203/2	0.78571	2.00242	-0.43098	218.99472	ug/L	09/19/10	00:24	
61121-1 1/20	1960/1	-1.08315	-1.26012	-0.90619	23.10569	ug/L	09/19/10	00:24	
61121-1 1/20	1960/2	-0.69057	-0.06771	-1.31344	127.55483	ug/L	09/19/10	00:24	
61121-1 1/20	Y	964.81774	962.91027	966.72528	0.27959		09/19/10	00:24	
61121-3 1/20	Ag	0.96517	0.22601	1.70433	108.30473	ug/L	09/19/10	00:29	
61121-3 1/20	Al	8.00923	7.85003	8.16843	2.81104	ug/L	09/19/10	00:29	
61121-3 1/20	2Al	0.00801	0.00785	0.00816	2.81104	mg/L	09/19/10	00:29	
61121-3 1/20	As	-2.84317	-4.14318	-1.54317	64.66313	ug/L	09/19/10	00:29	
61121-3 1/20	B	16.36205	15.73358	16.99052	5.43200	ug/L	09/19/10	00:29	
61121-3 1/20	Ba	1.36611	1.29795	1.43426	7.05547	ug/L	09/19/10	00:29	
61121-3 1/20	Be	0.01027	-0.00015	0.02070	143.59396	ug/L	09/19/10	00:29	
61121-3 1/20	Ca	2349.51123	2355.97656	2343.04565	0.38916	ug/L	09/19/10	00:29	
61121-3 1/20	Cd	-0.19061	-0.07944	-0.30177	82.47780	ug/L	09/19/10	00:29	
61121-3 1/20	Co	-0.19087	-0.17487	-0.20687	11.85309	ug/L	09/19/10	00:29	
61121-3 1/20	Cr	0.15290	-0.00265	0.30845	143.87266	ug/L	09/19/10	00:29	
61121-3 1/20	Cu	8.33835	8.42436	8.25235	1.45865	ug/L	09/19/10	00:29	
61121-3 1/20	Fe	7.13737	8.74356	5.53118	31.82530	ug/L	09/19/10	00:29	
61121-3 1/20	2Fe	0.00713	0.00874	0.00553	31.82506	mg/L	09/19/10	00:29	
61121-3 1/20	K	259.72424	252.83119	266.61727	3.75330	ug/L	09/19/10	00:29	
61121-3 1/20	Mg	1711.52294	1715.15649	1707.88940	0.30023	ug/L	09/19/10	00:29	
61121-3 1/20	2Mg	1.71103	1.71467	1.70740	0.30021	mg/L	09/19/10	00:29	
61121-3 1/20	Mn	-0.01667	-0.02265	-0.01069	50.71249	ug/L	09/19/10	00:29	
61121-3 1/20	Mo	1.30450	2.53140	0.07760	133.00822	ug/L	09/19/10	00:29	
61121-3 1/20	Na	4815.25390	4758.55517	4871.95263	1.66521	ug/L	09/19/10	00:29	
61121-3 1/20	Ni	0.79939	0.89892	0.69986	17.60792	ug/L	09/19/10	00:29	
61121-3 1/20	Pb	-1.32616	-2.31404	-0.33828	105.34730	ug/L	09/19/10	00:29	
61121-3 1/20	Se	2.25793	-0.06856	4.58444	145.71585	ug/L	09/19/10	00:29	
61121-3 1/20	Sb	-2.62806	-1.92376	-3.33236	37.89976	ug/L	09/19/10	00:29	
61121-3 1/20	Sn	55.33061	56.58892	54.07229	3.21616	ug/L	09/19/10	00:29	
61121-3 1/20	Sr	808.50219	811.61627	805.38818	0.54470	ug/L	09/19/10	00:29	
61121-3 1/20	Ti	0.29967	0.20128	0.39805	46.43004	ug/L	09/19/10	00:29	
61121-3 1/20	Tl	3.25718	7.75892	-1.24454	195.45709	ug/L	09/19/10	00:29	
61121-3 1/20	V	0.24573	-0.01416	0.50563	149.57379	ug/L	09/19/10	00:29	
61121-3 1/20	Zn	1.00857	1.03640	0.98074	3.90232	ug/L	09/19/10	00:29	
61121-3 1/20	2203/1	0.77939	-0.02886	1.58764	146.65843	ug/L	09/19/10	00:29	
61121-3 1/20	2203/2	-2.37736	-3.45492	-1.29980	64.10054	ug/L	09/19/10	00:29	
61121-3 1/20	1960/1	2.05197	0.49074	3.61321	107.59951	ug/L	09/19/10	00:29	
61121-3 1/20	1960/2	2.36076	-0.34780	5.06932	162.25640	ug/L	09/19/10	00:29	
61121-3 1/20	Y	959.86352	960.18652	959.54046	0.04759		09/19/10	00:29	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61122-1 1/20	Ag	-0.36209	-0.60554	-0.11863	95.08479	ug/L	09/19/10	00:34	
61122-1 1/20	Al	2.67246	3.00705	2.33787	17.70568	ug/L	09/19/10	00:34	
61122-1 1/20	2Al	0.00267	0.00300	0.00233	17.70567	mg/L	09/19/10	00:34	
61122-1 1/20	As	-0.56430	1.06854	-2.19714	409.21044	ug/L	09/19/10	00:34	
61122-1 1/20	B	20.95766	21.08315	20.83216	0.84684	ug/L	09/19/10	00:34	
61122-1 1/20	Ba	0.05892	0.13264	-0.01478	176.90455	ug/L	09/19/10	00:34	
61122-1 1/20	Be	0.00137	-0.02203	0.02479	2406.31933	ug/L	09/19/10	00:34	
61122-1 1/20	Ca	1656.54345	1658.08337	1655.00366	0.13145	ug/L	09/19/10	00:34	
61122-1 1/20	Cd	-0.23733	-0.21164	-0.26302	15.30959	ug/L	09/19/10	00:34	
61122-1 1/20	Co	0.15460	0.28424	0.02496	118.58721	ug/L	09/19/10	00:34	
61122-1 1/20	Cr	-0.12142	-0.04504	-0.19781	88.95960	ug/L	09/19/10	00:34	
61122-1 1/20	Cu	-0.20092	-0.20178	-0.20007	0.60379	ug/L	09/19/10	00:34	
61122-1 1/20	Fe	11.82453	5.37458	18.27449	77.14138	ug/L	09/19/10	00:34	
61122-1 1/20	2Fe	0.01182	0.00537	0.01827	77.14113	mg/L	09/19/10	00:34	
61122-1 1/20	K	272.95861	270.92095	274.99630	1.05572	ug/L	09/19/10	00:34	
61122-1 1/20	Mg	390.54913	389.67794	391.42031	0.31546	ug/L	09/19/10	00:34	
61122-1 1/20	2Mg	0.39043	0.38956	0.39130	0.31506	mg/L	09/19/10	00:34	
61122-1 1/20	Mn	0.73753	0.70640	0.76866	5.96899	ug/L	09/19/10	00:34	
61122-1 1/20	Mo	-0.10771	0.37174	-0.58716	629.49957	ug/L	09/19/10	00:34	
61122-1 1/20	Na	1052.12329	1056.89074	1047.35595	0.64081	ug/L	09/19/10	00:34	
61122-1 1/20	Ni	-0.24423	-0.40887	-0.07958	95.33839	ug/L	09/19/10	00:34	
61122-1 1/20	Pb	0.10306	0.01017	0.19594	127.45909	ug/L	09/19/10	00:34	
61122-1 1/20	Se	4.61804	4.41905	4.81702	6.09364	ug/L	09/19/10	00:34	
61122-1 1/20	Sb	2.83449	5.00176	0.66722	108.13172	ug/L	09/19/10	00:34	
61122-1 1/20	Sn	-1.18751	-1.15994	-1.21509	3.28391	ug/L	09/19/10	00:34	
61122-1 1/20	Sr	3.66279	3.59266	3.73292	2.70774	ug/L	09/19/10	00:34	
61122-1 1/20	Ti	0.07928	0.00433	0.15423	133.69615	ug/L	09/19/10	00:34	
61122-1 1/20	Tl	1.39806	-2.45413	5.25026	389.66857	ug/L	09/19/10	00:34	
61122-1 1/20	V	-0.32140	-0.62898	-0.01382	135.33776	ug/L	09/19/10	00:34	
61122-1 1/20	Zn	0.68634	0.51497	0.85771	35.31049	ug/L	09/19/10	00:34	
61122-1 1/20	2203/1	0.99056	-0.88495	2.86609	267.76397	ug/L	09/19/10	00:34	
61122-1 1/20	2203/2	-0.34002	0.45706	-1.13712	331.52133	ug/L	09/19/10	00:34	
61122-1 1/20	1960/1	1.23901	-0.46006	2.93810	193.93334	ug/L	09/19/10	00:34	
61122-1 1/20	1960/2	6.30502	6.85496	5.75507	12.33518	ug/L	09/19/10	00:34	
61122-1 1/20	Y	968.77679	970.94183	966.61175	0.31605		09/19/10	00:34	
CCV	Ag	488.73413	488.72409	488.74414	0.00290	ug/L	09/19/10	00:39	
CCV	Al	4866.34277	4864.19238	4868.49365	0.06249	ug/L	09/19/10	00:39	
CCV	2Al	4.86657	4.86463	4.86852	0.05650	mg/L	09/19/10	00:39	
CCV	As	492.42602	495.63662	489.21539	0.92206	ug/L	09/19/10	00:39	
CCV	B	4910.68359	4904.47753	4916.89013	0.17873	ug/L	09/19/10	00:39	
CCV	Ba	4899.46093	4902.33447	4896.58740	0.08294	ug/L	09/19/10	00:39	
CCV	Be	492.27716	492.47448	492.07980	0.05669	ug/L	09/19/10	00:39	
CCV	Ca	4923.97558	4925.06005	4922.89160	0.03114	ug/L	09/19/10	00:39	
CCV	Cd	499.63421	499.92880	499.33966	0.08337	ug/L	09/19/10	00:39	
CCV	Co	491.44851	490.52481	492.37222	0.26580	ug/L	09/19/10	00:39	
CCV	Cr	4960.24023	4961.33251	4959.14746	0.03114	ug/L	09/19/10	00:39	
CCV	Cu	4866.52539	4868.30859	4864.74218	0.05181	ug/L	09/19/10	00:39	
CCV	Fe	4901.29980	4898.18310	4904.41601	0.08992	ug/L	09/19/10	00:39	
CCV	2Fe	4.90155	4.89844	4.90467	0.08992	mg/L	09/19/10	00:39	
CCV	K	9736.65820	9744.33105	9728.98632	0.11143	ug/L	09/19/10	00:39	
CCV	Mg	5000.55175	5007.35351	4993.75048	0.19235	ug/L	09/19/10	00:39	
CCV	2Mg	5.00054	5.00735	4.99374	0.19234	mg/L	09/19/10	00:39	
CCV	Mn	4957.69335	4959.89990	4955.48730	0.06293	ug/L	09/19/10	00:39	
CCV	Mo	497.54333	498.34603	496.74060	0.22816	ug/L	09/19/10	00:39	
CCV	Na	7344.69726	7381.51464	7307.87939	0.70891	ug/L	09/19/10	00:39	
CCV	Ni	2490.19775	2494.07299	2486.32275	0.22007	ug/L	09/19/10	00:39	
CCV	Pb	504.22540	506.33663	502.11416	0.59214	ug/L	09/19/10	00:39	
CCV	Se	5013.75097	5020.92333	5006.57812	0.20231	ug/L	09/19/10	00:39	
CCV	Sb	497.42340	497.83609	497.01071	0.11733	ug/L	09/19/10	00:39	
CCV	Sn	5017.72216	5015.58105	5019.86328	0.06034	ug/L	09/19/10	00:39	
CCV	Sr	2475.01733	2477.37866	2472.65600	0.13492	ug/L	09/19/10	00:39	
CCV	Ti	489.98358	490.21850	489.74865	0.06780	ug/L	09/19/10	00:39	
CCV	Tl	5041.55273	5025.52441	5057.58154	0.44961	ug/L	09/19/10	00:39	
CCV	V	4918.43847	4917.74658	4919.13085	0.01990	ug/L	09/19/10	00:39	
CCV	Zn	2502.19970	2501.79614	2502.60327	0.02280	ug/L	09/19/10	00:39	
CCV	2203/1	499.75799	502.16653	497.34948	0.68156	ug/L	09/19/10	00:39	
CCV	2203/2	506.45141	508.41421	504.48858	0.54809	ug/L	09/19/10	00:39	
CCV	1960/1	4970.56933	4979.72314	4961.41601	0.26043	ug/L	09/19/10	00:39	
CCV	1960/2	5035.30859	5041.49267	5029.12500	0.17367	ug/L	09/19/10	00:39	
CCV	Y	964.18048	964.49041	963.87054	0.04546		09/19/10	00:39	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.17949	0.57671	-0.21772	312.96713	ug/L	09/19/10	00:45	
CCB	Al	7.51459	8.57897	6.45022	20.03103	ug/L	09/19/10	00:45	
CCB	2Al	0.00751	0.00857	0.00645	20.03116	mg/L	09/19/10	00:45	
CCB	As	0.75969	0.95088	0.56850	35.59105	ug/L	09/19/10	00:45	
CCB	B	27.69050	30.14685	25.23417	12.54505	ug/L	09/19/10	00:45	
CCB	Ba	0.31841	0.03920	0.59762	124.00739	ug/L	09/19/10	00:45	
CCB	Be	0.04557	0.00178	0.08935	135.87513	ug/L	09/19/10	00:45	
CCB	Ca	0.49678	0.55033	0.44322	15.24545	ug/L	09/19/10	00:45	
CCB	Cd	-0.11140	-0.13087	-0.09192	24.72152	ug/L	09/19/10	00:45	
CCB	Co	0.20279	0.34909	0.05650	102.01548	ug/L	09/19/10	00:45	
CCB	Cr	0.62627	0.90124	0.35130	62.09164	ug/L	09/19/10	00:45	
CCB	Cu	0.05085	0.04318	0.05852	21.33428	ug/L	09/19/10	00:45	
CCB	Fe	2.31613	9.89831	-5.26603	462.96105	ug/L	09/19/10	00:45	
CCB	2Fe	0.00231	0.00989	-0.00526	462.93920	mg/L	09/19/10	00:45	
CCB	K	-1.37595	-8.29098	5.53907	710.73065	ug/L	09/19/10	00:45	
CCB	Mg	1.33196	1.33146	1.33245	0.05267	ug/L	09/19/10	00:45	
CCB	2Mg	0.00133	0.00132	0.00133	0.20610	mg/L	09/19/10	00:45	
CCB	Mn	0.46906	0.22652	0.71160	73.12496	ug/L	09/19/10	00:45	
CCB	Mo	0.37773	0.75269	0.00278	140.37933	ug/L	09/19/10	00:45	
CCB	Na	-245.62731	-261.44073	-229.81391	9.10466	ug/L	09/19/10	00:45	
CCB	Ni	-0.29981	-0.46374	-0.13588	77.32447	ug/L	09/19/10	00:45	
CCB	Pb	0.74648	1.20338	0.28959	86.55893	ug/L	09/19/10	00:45	
CCB	Se	4.30606	3.34580	5.26631	31.53707	ug/L	09/19/10	00:45	
CCB	Sb	-1.22870	0.76985	-3.22725	230.02995	ug/L	09/19/10	00:45	
CCB	Sn	-0.10235	1.07809	-1.28279	1631.01904	ug/L	09/19/10	00:45	
CCB	Sr	0.22282	0.10100	0.34464	77.31498	ug/L	09/19/10	00:45	
CCB	Ti	0.12492	0.04730	0.20254	87.86891	ug/L	09/19/10	00:45	
CCB	Tl	4.18914	5.86101	2.51727	56.44060	ug/L	09/19/10	00:45	
CCB	V	0.52026	0.20883	0.83168	84.65425	ug/L	09/19/10	00:45	
CCB	Zn	0.21521	0.24490	0.18552	19.51202	ug/L	09/19/10	00:45	
CCB	2203/1	3.14513	4.10478	2.18548	43.15093	ug/L	09/19/10	00:45	
CCB	2203/2	-0.45103	-0.24513	-0.65693	64.55988	ug/L	09/19/10	00:45	
CCB	1960/1	3.47578	2.03984	4.91173	58.42520	ug/L	09/19/10	00:45	
CCB	1960/2	4.72057	3.99781	5.44334	21.65298	ug/L	09/19/10	00:45	
CCB	Y	953.03662	951.84063	954.23266	0.17747		09/19/10	00:45	
PBW 180017	Ag	0.48697	0.89807	0.07587	119.38791	ug/L	09/19/10	00:50	
PBW 180017	Al	3.07727	9.11989	-2.96534	277.69860	ug/L	09/19/10	00:50	
PBW 180017	2Al	0.00307	0.00912	-0.00296	277.69967	mg/L	09/19/10	00:50	
PBW 180017	As	-4.22285	-6.48867	-1.95704	75.88085	ug/L	09/19/10	00:50	
PBW 180017	B	17.21728	15.75182	18.68274	12.03716	ug/L	09/19/10	00:50	
PBW 180017	Ba	0.08612	-0.16079	0.33303	405.45892	ug/L	09/19/10	00:50	
PBW 180017	Be	0.01870	0.00243	0.03496	122.99011	ug/L	09/19/10	00:50	
PBW 180017	Ca	9.38705	9.00931	9.76479	5.69086	ug/L	09/19/10	00:50	
PBW 180017	Cd	-0.12478	-0.25777	0.00821	150.73225	ug/L	09/19/10	00:50	
PBW 180017	Co	-0.42713	-0.64326	-0.21100	71.55879	ug/L	09/19/10	00:50	
PBW 180017	Cr	0.01156	-0.00835	0.03148	243.64434	ug/L	09/19/10	00:50	
PBW 180017	Cu	-0.32143	-0.46677	-0.17609	63.94377	ug/L	09/19/10	00:50	
PBW 180017	Fe	1.18536	-4.11201	6.48275	632.01000	ug/L	09/19/10	00:50	
PBW 180017	2Fe	0.00118	-0.00411	0.00648	632.06335	mg/L	09/19/10	00:50	
PBW 180017	K	-2.36327	1.68564	-6.41219	242.29208	ug/L	09/19/10	00:50	
PBW 180017	Mg	-1.43482	-1.43019	-1.43946	0.45657	ug/L	09/19/10	00:50	
PBW 180017	2Mg	-0.00143	-0.00142	-0.00144	0.54598	mg/L	09/19/10	00:50	
PBW 180017	Mn	0.15493	0.09050	0.21936	58.80947	ug/L	09/19/10	00:50	
PBW 180017	Mo	-0.69429	0.44319	-1.83179	231.69458	ug/L	09/19/10	00:50	
PBW 180017	Na	-285.15362	-246.41110	-323.89611	19.21426	ug/L	09/19/10	00:50	
PBW 180017	Ni	1.57339	0.87291	2.27388	62.96179	ug/L	09/19/10	00:50	
PBW 180017	Pb	0.28514	0.08782	0.48246	97.86502	ug/L	09/19/10	00:50	
PBW 180017	Se	7.30219	7.42782	7.17656	2.43308	ug/L	09/19/10	00:50	
PBW 180017	Sb	2.43868	2.83530	2.04206	23.00021	ug/L	09/19/10	00:50	
PBW 180017	Sn	-0.69409	-2.45087	1.06267	357.94036	ug/L	09/19/10	00:50	
PBW 180017	Sr	0.01542	-0.01888	0.04973	314.54449	ug/L	09/19/10	00:50	
PBW 180017	Ti	-0.05058	0.10154	-0.20271	425.32476	ug/L	09/19/10	00:50	
PBW 180017	Tl	1.27710	1.25985	1.29436	1.91029	ug/L	09/19/10	00:50	
PBW 180017	V	0.53358	0.55856	0.50860	6.62036	ug/L	09/19/10	00:50	
PBW 180017	Zn	0.59593	0.84655	0.34532	59.47311	ug/L	09/19/10	00:50	
PBW 180017	2203/1	1.23886	-0.86638	3.34411	240.32270	ug/L	09/19/10	00:50	
PBW 180017	2203/2	-0.19100	0.56420	-0.94622	559.15893	ug/L	09/19/10	00:50	
PBW 180017	1960/1	11.29637	14.66238	7.93036	42.13962	ug/L	09/19/10	00:50	
PBW 180017	1960/2	5.30809	3.81596	6.80022	39.75415	ug/L	09/19/10	00:50	
PBW 180017	Y	974.34216	976.47668	972.20770	0.30981		09/19/10	00:50	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	51.55529	51.34979	51.76079	0.56371	ug/L	09/19/10	00:55	
LCSW-1	Al	1956.60888	1952.65795	1960.55969	0.28556	ug/L	09/19/10	00:55	
LCSW-1	2Al	1.95669	1.95264	1.96074	0.29288	mg/L	09/19/10	00:55	
LCSW-1	As	2015.38220	2014.83459	2015.92980	0.03842	ug/L	09/19/10	00:55	
LCSW-1	B	1049.10986	1048.78259	1049.43701	0.04410	ug/L	09/19/10	00:55	
LCSW-1	Ba	1992.76098	1991.55651	1993.96557	0.08548	ug/L	09/19/10	00:55	
LCSW-1	Be	49.50649	49.47301	49.53996	0.09562	ug/L	09/19/10	00:55	
LCSW-1	Ca	5165.11718	5162.50439	5167.73046	0.07154	ug/L	09/19/10	00:55	
LCSW-1	Cd	50.77327	50.86960	50.67695	0.26829	ug/L	09/19/10	00:55	
LCSW-1	Co	500.80941	501.09423	500.52459	0.08042	ug/L	09/19/10	00:55	
LCSW-1	Cr	202.70451	202.59675	202.81227	0.07517	ug/L	09/19/10	00:55	
LCSW-1	Cu	241.54092	241.24549	241.83633	0.17296	ug/L	09/19/10	00:55	
LCSW-1	Fe	978.95703	975.50366	982.41033	0.49887	ug/L	09/19/10	00:55	
LCSW-1	2Fe	0.97909	0.97564	0.98254	0.49876	mg/L	09/19/10	00:55	
LCSW-1	K	5446.01513	5426.16943	5465.86083	0.51535	ug/L	09/19/10	00:55	
LCSW-1	Mg	5278.37939	5279.81005	5276.94873	0.03833	ug/L	09/19/10	00:55	
LCSW-1	2Mg	5.27694	5.27837	5.27551	0.03834	mg/L	09/19/10	00:55	
LCSW-1	Mn	502.73364	502.81558	502.65167	0.02305	ug/L	09/19/10	00:55	
LCSW-1	Mo	519.51464	513.85784	525.17144	1.53988	ug/L	09/19/10	00:55	
LCSW-1	Na	4943.36425	4788.43457	5098.29443	4.43228	ug/L	09/19/10	00:55	
LCSW-1	Ni	504.30029	502.78683	505.81378	0.42442	ug/L	09/19/10	00:55	
LCSW-1	Pb	508.37121	508.96981	507.77258	0.16652	ug/L	09/19/10	00:55	
LCSW-1	Se	2054.05175	2057.54907	2050.55468	0.24078	ug/L	09/19/10	00:55	
LCSW-1	Sb	483.77197	486.28851	481.25546	0.73565	ug/L	09/19/10	00:55	
LCSW-1	Sn	1054.55810	1052.17883	1056.93750	0.31908	ug/L	09/19/10	00:55	
LCSW-1	Sr	528.44665	528.11169	528.78155	0.08963	ug/L	09/19/10	00:55	
LCSW-1	Ti	710.03582	709.50598	710.56567	0.10553	ug/L	09/19/10	00:55	
LCSW-1	Tl	2099.11132	2097.41113	2100.81152	0.11454	ug/L	09/19/10	00:55	
LCSW-1	V	491.40887	490.13989	492.67785	0.36519	ug/L	09/19/10	00:55	
LCSW-1	Zn	515.37353	514.79943	515.94757	0.15752	ug/L	09/19/10	00:55	
LCSW-1	2203/1	506.14776	506.52816	505.76739	0.10628	ug/L	09/19/10	00:55	
LCSW-1	2203/2	509.48120	510.18878	508.77365	0.19640	ug/L	09/19/10	00:55	
LCSW-1	1960/1	2036.73413	2034.26831	2039.20007	0.17121	ug/L	09/19/10	00:55	
LCSW-1	1960/2	2062.69726	2069.17138	2056.22290	0.44388	ug/L	09/19/10	00:55	
LCSW-1	Y	981.67974	981.92419	981.43530	0.03521		09/19/10	00:55	
RL LCSW-1	Ag	10.54261	10.56696	10.51827	0.32654	ug/L	09/19/10	01:00	
RL LCSW-1	Al	217.16241	220.81571	213.50910	2.37911	ug/L	09/19/10	01:00	
RL LCSW-1	2Al	0.21718	0.22083	0.21353	2.37912	mg/L	09/19/10	01:00	
RL LCSW-1	As	19.66726	19.05712	20.27740	4.38731	ug/L	09/19/10	01:00	
RL LCSW-1	B	118.10517	119.21440	116.99594	1.32820	ug/L	09/19/10	01:00	
RL LCSW-1	Ba	10.31733	10.22037	10.41428	1.32895	ug/L	09/19/10	01:00	
RL LCSW-1	Be	4.03570	4.05074	4.02066	0.52692	ug/L	09/19/10	01:00	
RL LCSW-1	Ca	518.15014	519.42926	516.87097	0.34912	ug/L	09/19/10	01:00	
RL LCSW-1	Cd	5.08559	4.98643	5.18474	2.75731	ug/L	09/19/10	01:00	
RL LCSW-1	Co	10.89640	11.15754	10.63526	3.38927	ug/L	09/19/10	01:00	
RL LCSW-1	Cr	10.22490	9.96111	10.48868	3.64845	ug/L	09/19/10	01:00	
RL LCSW-1	Cu	21.35585	21.24242	21.46928	0.75115	ug/L	09/19/10	01:00	
RL LCSW-1	Fe	40.45836	49.58472	31.33199	31.90102	ug/L	09/19/10	01:00	
RL LCSW-1	2Fe	0.04045	0.04958	0.03133	31.89774	mg/L	09/19/10	01:00	
RL LCSW-1	K	1048.75610	1038.37683	1059.13549	1.39961	ug/L	09/19/10	01:00	
RL LCSW-1	Mg	517.25512	518.43463	516.07562	0.32248	ug/L	09/19/10	01:00	
RL LCSW-1	2Mg	0.51710	0.51828	0.51592	0.32204	mg/L	09/19/10	01:00	
RL LCSW-1	Mn	10.21430	10.22041	10.20820	0.08451	ug/L	09/19/10	01:00	
RL LCSW-1	Mo	10.22670	11.72027	8.73314	20.65394	ug/L	09/19/10	01:00	
RL LCSW-1	Na	821.25512	893.56555	748.94476	12.45195	ug/L	09/19/10	01:00	
RL LCSW-1	Ni	41.79081	42.19402	41.38761	1.36446	ug/L	09/19/10	01:00	
RL LCSW-1	Pb	10.45398	11.00826	9.89970	7.49829	ug/L	09/19/10	01:00	
RL LCSW-1	Se	22.71435	21.81012	23.61858	5.62981	ug/L	09/19/10	01:00	
RL LCSW-1	Sb	19.53956	18.80093	20.27820	5.34599	ug/L	09/19/10	01:00	
RL LCSW-1	Sn	55.54998	55.82223	55.27774	0.69310	ug/L	09/19/10	01:00	
RL LCSW-1	Sr	10.44672	10.50154	10.39190	0.74212	ug/L	09/19/10	01:00	
RL LCSW-1	Ti	10.25100	10.29493	10.20708	0.60601	ug/L	09/19/10	01:00	
RL LCSW-1	Tl	29.45956	32.03487	26.88426	12.36281	ug/L	09/19/10	01:00	
RL LCSW-1	V	9.93376	9.77538	10.09215	2.25480	ug/L	09/19/10	01:00	
RL LCSW-1	Zn	22.54608	22.76670	22.32547	1.38381	ug/L	09/19/10	01:00	
RL LCSW-1	2203/1	11.97636	12.45515	11.49758	5.65368	ug/L	09/19/10	01:00	
RL LCSW-1	2203/2	9.69393	10.28590	9.10196	8.63603	ug/L	09/19/10	01:00	
RL LCSW-1	1960/1	20.30097	18.23559	22.36636	14.38795	ug/L	09/19/10	01:00	
RL LCSW-1	1960/2	23.91920	23.59467	24.24373	1.91875	ug/L	09/19/10	01:00	
RL LCSW-1	Y	971.13391	968.91650	973.35131	0.32290		09/19/10	01:00	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
29873-9 1/10	Ag	0.33475	0.43609	0.23340	42.81648	ug/L	09/19/10	01:05	
29873-9 1/10	Al	101298.71875	101637.12500	100960.32031	0.47243	ug/L	09/19/10	01:05	
29873-9 1/10	2Al	101.30605	101.64205	100.97005	0.46904	mg/L	09/19/10	01:05	
29873-9 1/10	As	-0.79019	1.19946	-2.77985	356.08935	ug/L	09/19/10	01:05	
29873-9 1/10	B	23.99528	24.03077	23.95979	0.20919	ug/L	09/19/10	01:05	
29873-9 1/10	Ba	1.34085	1.32882	1.35288	1.26871	ug/L	09/19/10	01:05	
29873-9 1/10	Be	0.37325	0.38754	0.35896	5.41417	ug/L	09/19/10	01:05	
29873-9 1/10	Ca	51123.34375	51264.76171	50981.92578	0.39120	ug/L	09/19/10	01:05	
29873-9 1/10	Cd	-0.48053	-0.16534	-0.79573	92.76109	ug/L	09/19/10	01:05	
29873-9 1/10	Co	0.78501	0.67882	0.89121	19.13138	ug/L	09/19/10	01:05	
29873-9 1/10	Cr	-0.07436	-0.31219	0.16345	452.24795	ug/L	09/19/10	01:05	
29873-9 1/10	Cu	-0.23749	-0.05651	-0.41847	107.76667	ug/L	09/19/10	01:05	
29873-9 1/10	Fe	1208.01171	1212.99694	1203.02661	0.58361	ug/L	09/19/10	01:05	
29873-9 1/10	2Fe	1.20792	1.21290	1.20293	0.58361	mg/L	09/19/10	01:05	
29873-9 1/10	K	273.11886	279.29156	266.94616	3.19623	ug/L	09/19/10	01:05	
29873-9 1/10	Mg	3903.67504	3914.80297	3892.54711	0.40313	ug/L	09/19/10	01:05	
29873-9 1/10	2Mg	3.90237	3.91349	3.89125	0.40313	mg/L	09/19/10	01:05	
29873-9 1/10	Mn	31.11171	31.17288	31.05054	0.27806	ug/L	09/19/10	01:05	
29873-9 1/10	Mo	1.14208	0.91538	1.36878	28.07164	ug/L	09/19/10	01:05	
29873-9 1/10	Na	1343.13256	1393.60046	1292.66455	5.31388	ug/L	09/19/10	01:05	
29873-9 1/10	Ni	10.56626	10.24595	10.88657	4.28707	ug/L	09/19/10	01:05	
29873-9 1/10	Pb	0.63441	0.87744	0.39139	54.17427	ug/L	09/19/10	01:05	
29873-9 1/10	Se	4.31685	6.27617	2.35754	64.18770	ug/L	09/19/10	01:05	
29873-9 1/10	Sb	-1.51677	-4.91995	1.88640	317.30612	ug/L	09/19/10	01:05	
29873-9 1/10	Sn	0.96303	-0.36309	2.28917	194.74153	ug/L	09/19/10	01:05	
29873-9 1/10	Sr	78.79407	78.96321	78.62493	0.30358	ug/L	09/19/10	01:05	
29873-9 1/10	Ti	0.50631	0.67477	0.33785	47.05387	ug/L	09/19/10	01:05	
29873-9 1/10	Tl	-0.79928	-0.25138	-1.34719	96.94284	ug/L	09/19/10	01:05	
29873-9 1/10	V	0.41816	0.49747	0.33884	26.82468	ug/L	09/19/10	01:05	
29873-9 1/10	Zn	12.36692	12.50054	12.23331	1.52796	ug/L	09/19/10	01:05	
29873-9 1/10	2203/1	20.68597	17.58668	23.78525	21.18849	ug/L	09/19/10	01:05	
29873-9 1/10	2203/2	-9.37632	-7.46465	-11.28800	28.83344	ug/L	09/19/10	01:05	
29873-9 1/10	1960/1	4.47396	1.87253	7.07540	82.23101	ug/L	09/19/10	01:05	
29873-9 1/10	1960/2	4.23841	8.47469	0.00214	141.34986	ug/L	09/19/10	01:05	
29873-9 1/10	Y	938.74121	937.44482	940.03765	0.19530		09/19/10	01:05	
29873-15 1/10	Ag	-0.19280	-0.41335	0.02774	161.77105	ug/L	09/19/10	01:11	
29873-15 1/10	Al	67087.84375	67662.83593	66512.85937	1.21207	ug/L	09/19/10	01:11	
29873-15 1/10	2Al	67.08868	67.66186	66.51551	1.20824	mg/L	09/19/10	01:11	
29873-15 1/10	As	1.53047	1.26806	1.79288	24.24761	ug/L	09/19/10	01:11	
29873-15 1/10	B	20.63621	20.77558	20.49685	0.95505	ug/L	09/19/10	01:11	
29873-15 1/10	Ba	1.62001	1.48397	1.75605	11.87566	ug/L	09/19/10	01:11	
29873-15 1/10	Be	0.69477	0.69150	0.69804	0.66583	ug/L	09/19/10	01:11	
29873-15 1/10	Ca	24220.01171	24402.63476	24037.38671	1.06634	ug/L	09/19/10	01:11	
29873-15 1/10	Cd	-0.29504	-0.26483	-0.32525	14.48141	ug/L	09/19/10	01:11	
29873-15 1/10	Co	0.76490	0.54452	0.98528	40.74613	ug/L	09/19/10	01:11	
29873-15 1/10	Cr	1.63514	1.27492	1.99537	31.15555	ug/L	09/19/10	01:11	
29873-15 1/10	Cu	-0.55611	-0.54721	-0.56501	2.26296	ug/L	09/19/10	01:11	
29873-15 1/10	Fe	2534.13964	2542.02050	2526.25878	0.43980	ug/L	09/19/10	01:11	
29873-15 1/10	2Fe	2.53395	2.54183	2.52607	0.43979	mg/L	09/19/10	01:11	
29873-15 1/10	K	180.83352	168.06874	193.59832	9.98274	ug/L	09/19/10	01:11	
29873-15 1/10	Mg	2682.20556	2705.03320	2659.37792	1.20360	ug/L	09/19/10	01:11	
29873-15 1/10	2Mg	2.68101	2.70383	2.65819	1.20373	mg/L	09/19/10	01:11	
29873-15 1/10	Mn	17.91704	18.02936	17.80472	0.88655	ug/L	09/19/10	01:11	
29873-15 1/10	Mo	-0.22279	-1.62854	1.18296	892.33148	ug/L	09/19/10	01:11	
29873-15 1/10	Na	1242.40625	990.08270	1494.72985	28.72163	ug/L	09/19/10	01:11	
29873-15 1/10	Ni	2.92151	2.58552	3.25749	16.26403	ug/L	09/19/10	01:11	
29873-15 1/10	Pb	2.56402	2.69687	2.43117	7.32752	ug/L	09/19/10	01:11	
29873-15 1/10	Se	3.88837	2.19626	5.58047	61.54236	ug/L	09/19/10	01:11	
29873-15 1/10	Sb	-0.83389	-3.57691	1.90912	465.19256	ug/L	09/19/10	01:11	
29873-15 1/10	Sn	-0.43535	-0.64549	-0.22522	68.26062	ug/L	09/19/10	01:11	
29873-15 1/10	Sr	68.75503	69.29653	68.21354	1.11378	ug/L	09/19/10	01:11	
29873-15 1/10	Ti	0.32357	0.33472	0.31242	4.87352	ug/L	09/19/10	01:11	
29873-15 1/10	Tl	2.20268	4.21058	0.19478	128.91508	ug/L	09/19/10	01:11	
29873-15 1/10	V	1.62086	1.23703	2.00468	33.48890	ug/L	09/19/10	01:11	
29873-15 1/10	Zn	10.57188	10.35248	10.79128	2.93496	ug/L	09/19/10	01:11	
29873-15 1/10	2203/1	13.31538	12.11623	14.51453	12.73604	ug/L	09/19/10	01:11	
29873-15 1/10	2203/2	-2.80359	-2.00574	-3.60145	40.24591	ug/L	09/19/10	01:11	
29873-15 1/10	1960/1	4.56057	-0.77617	9.89732	165.49031	ug/L	09/19/10	01:11	
29873-15 1/10	1960/2	3.55277	3.68026	3.42529	5.07468	ug/L	09/19/10	01:11	
29873-15 1/10	Y	965.68200	962.48248	968.88159	0.46856		09/19/10	01:11	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
29873-16 1/10	Ag	0.50264	0.82595	0.17933	90.96512	ug/L	09/19/10	01:16	
29873-16 1/10	Al	440.74401	441.38070	440.10729	0.20429	ug/L	09/19/10	01:16	
29873-16 1/10	2Al	0.44078	0.44142	0.44015	0.20429	mg/L	09/19/10	01:16	
29873-16 1/10	As	-1.29955	-0.74565	-1.85346	60.27741	ug/L	09/19/10	01:16	
29873-16 1/10	B	15.98222	16.44020	15.52425	4.05246	ug/L	09/19/10	01:16	
29873-16 1/10	Ba	-0.06324	-0.07012	-0.05636	15.37988	ug/L	09/19/10	01:16	
29873-16 1/10	Be	0.00513	0.00848	0.00179	92.12661	ug/L	09/19/10	01:16	
29873-16 1/10	Ca	154.59115	153.88160	155.30068	0.64909	ug/L	09/19/10	01:16	
29873-16 1/10	Cd	0.08114	-0.26779	0.43008	608.12622	ug/L	09/19/10	01:16	
29873-16 1/10	Co	0.58573	1.35222	-0.18075	185.06434	ug/L	09/19/10	01:16	
29873-16 1/10	Cr	-0.07741	0.66722	-0.82206	1360.28454	ug/L	09/19/10	01:16	
29873-16 1/10	Cu	0.06562	0.60833	-0.47707	1169.46398	ug/L	09/19/10	01:16	
29873-16 1/10	Fe	16.94366	16.36019	17.52714	4.87001	ug/L	09/19/10	01:16	
29873-16 1/10	2Fe	0.01694	0.01635	0.01752	4.86767	mg/L	09/19/10	01:16	
29873-16 1/10	K	-1.62731	0.49262	-3.74725	184.23300	ug/L	09/19/10	01:16	
29873-16 1/10	Mg	19.73267	21.15781	18.30753	10.21378	ug/L	09/19/10	01:16	
29873-16 1/10	2Mg	0.01972	0.02114	0.01829	10.21602	mg/L	09/19/10	01:16	
29873-16 1/10	Mn	0.15521	0.15538	0.15503	0.15636	ug/L	09/19/10	01:16	
29873-16 1/10	Mo	0.56587	1.50415	-0.37239	234.49003	ug/L	09/19/10	01:16	
29873-16 1/10	Na	-16.10758	-7.99125	-24.22390	71.25970	ug/L	09/19/10	01:16	
29873-16 1/10	Ni	0.11473	0.22249	0.00696	132.83631	ug/L	09/19/10	01:16	
29873-16 1/10	Pb	0.72103	1.98723	-0.54516	248.34838	ug/L	09/19/10	01:16	
29873-16 1/10	Se	3.75239	4.26461	3.24017	19.30470	ug/L	09/19/10	01:16	
29873-16 1/10	Sb	-2.12953	-3.00138	-1.25769	57.89864	ug/L	09/19/10	01:16	
29873-16 1/10	Sn	1.77025	2.32751	1.21299	44.51826	ug/L	09/19/10	01:16	
29873-16 1/10	Sr	0.43676	0.48598	0.38754	15.93630	ug/L	09/19/10	01:16	
29873-16 1/10	Ti	0.42384	0.53422	0.31346	36.82956	ug/L	09/19/10	01:16	
29873-16 1/10	Tl	3.26263	5.34614	1.17911	90.31150	ug/L	09/19/10	01:16	
29873-16 1/10	V	-0.08308	0.21007	-0.37623	499.01364	ug/L	09/19/10	01:16	
29873-16 1/10	Zn	6.07722	6.16790	5.98654	2.11024	ug/L	09/19/10	01:16	
29873-16 1/10	2203/1	-0.27544	0.99321	-1.54410	651.36676	ug/L	09/19/10	01:16	
29873-16 1/10	2203/2	1.21852	2.48349	-0.04644	146.81166	ug/L	09/19/10	01:16	
29873-16 1/10	1960/1	-1.67925	-2.71908	-0.63942	87.57091	ug/L	09/19/10	01:16	
29873-16 1/10	1960/2	6.46414	7.75122	5.17706	28.15851	ug/L	09/19/10	01:16	
29873-16 1/10	Y	951.44335	950.93267	951.95410	0.07591		09/19/10	01:16	
61112-1	Ag	0.40186	0.57617	0.22755	61.34025	ug/L	09/19/10	01:21	
61112-1	Al	13.12209	12.40194	13.84223	7.76123	ug/L	09/19/10	01:21	
61112-1	2Al	0.01312	0.01240	0.01384	7.76123	mg/L	09/19/10	01:21	
61112-1	As	-3.46674	-3.01954	-3.91394	18.24305	ug/L	09/19/10	01:21	
61112-1	B	60.42679	60.73519	60.11838	0.72178	ug/L	09/19/10	01:21	
61112-1	Ba	-0.04250	-0.01537	-0.06962	90.24768	ug/L	09/19/10	01:21	
61112-1	Be	0.02114	0.01652	0.02576	30.91757	ug/L	09/19/10	01:21	
61112-1	Ca	229.85540	230.05657	229.65425	0.12376	ug/L	09/19/10	01:21	
61112-1	Cd	0.01685	0.32767	-0.29395	2607.16479	ug/L	09/19/10	01:21	
61112-1	Co	-0.79817	-1.18160	-0.41473	67.93711	ug/L	09/19/10	01:21	
61112-1	Cr	-0.35207	-0.39114	-0.31299	15.69447	ug/L	09/19/10	01:21	
61112-1	Cu	0.44630	0.29585	0.59675	47.67405	ug/L	09/19/10	01:21	
61112-1	Fe	44.06513	40.38320	47.74706	11.81666	ug/L	09/19/10	01:21	
61112-1	2Fe	0.04406	0.04037	0.04774	11.81713	mg/L	09/19/10	01:21	
61112-1	K	483.35165	474.02832	492.67498	2.72786	ug/L	09/19/10	01:21	
61112-1	Mg	78.95452	77.67700	80.23204	2.28826	ug/L	09/19/10	01:21	
61112-1	2Mg	0.07892	0.07764	0.08020	2.28737	mg/L	09/19/10	01:21	
61112-1	Mn	0.55094	0.47508	0.62680	19.47233	ug/L	09/19/10	01:21	
61112-1	Mo	-0.03599	-0.82181	0.74982	3087.62988	ug/L	09/19/10	01:21	
61112-1	Na	159362.43750	159750.37500	158974.48437	0.34427	ug/L	09/19/10	01:21	
61112-1	Ni	-0.19947	-0.89825	0.49930	495.42147	ug/L	09/19/10	01:21	
61112-1	Pb	-1.04536	-0.96348	-1.12724	11.07685	ug/L	09/19/10	01:21	
61112-1	Se	2.73072	1.32876	4.13268	72.60583	ug/L	09/19/10	01:21	
61112-1	Sb	-1.57487	-0.57525	-2.57448	89.76396	ug/L	09/19/10	01:21	
61112-1	Sn	0.66597	0.51844	0.81350	31.32898	ug/L	09/19/10	01:21	
61112-1	Sr	1.79837	1.77720	1.81954	1.66507	ug/L	09/19/10	01:21	
61112-1	Ti	0.24827	0.15977	0.33676	50.40985	ug/L	09/19/10	01:21	
61112-1	Tl	0.49746	-2.11095	3.10588	741.53295	ug/L	09/19/10	01:21	
61112-1	V	0.28810	0.26176	0.31444	12.93164	ug/L	09/19/10	01:21	
61112-1	Zn	5.31287	5.12196	5.50378	5.08170	ug/L	09/19/10	01:21	
61112-1	2203/1	0.92287	0.87519	0.97055	7.30583	ug/L	09/19/10	01:21	
61112-1	2203/2	-2.02801	-1.88145	-2.17457	10.22011	ug/L	09/19/10	01:21	
61112-1	1960/1	5.17400	6.27480	4.07320	30.08825	ug/L	09/19/10	01:21	
61112-1	1960/2	1.51091	-1.14054	4.16237	248.17596	ug/L	09/19/10	01:21	
61112-1	Y	954.24133	952.58264	955.90008	0.24582		09/19/10	01:21	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61112-1L	Ag	0.32355	0.07803	0.56907	107.31521	ug/L	09/19/10	01:26	
61112-1L	Al	10.41178	9.66916	11.15439	10.08680	ug/L	09/19/10	01:26	
61112-1L	2Al	0.01041	0.00967	0.01115	10.08681	mg/L	09/19/10	01:26	
61112-1L	As	-5.53663	-3.98883	-7.08442	39.53503	ug/L	09/19/10	01:26	
61112-1L	B	24.08655	23.47793	24.69516	3.57341	ug/L	09/19/10	01:26	
61112-1L	Ba	-0.21765	-0.24479	-0.19052	17.62977	ug/L	09/19/10	01:26	
61112-1L	Be	-0.00651	-0.01382	0.00080	158.86035	ug/L	09/19/10	01:26	
61112-1L	Ca	46.85189	46.89304	46.81073	0.12422	ug/L	09/19/10	01:26	
61112-1L	Cd	-0.39187	-0.37423	-0.40951	6.36558	ug/L	09/19/10	01:26	
61112-1L	Co	-0.00281	0.31268	-0.31831	15848.51953	ug/L	09/19/10	01:26	
61112-1L	Cr	-0.21642	-0.04198	-0.39086	113.98740	ug/L	09/19/10	01:26	
61112-1L	Cu	-0.89269	-0.92605	-0.85934	5.28399	ug/L	09/19/10	01:26	
61112-1L	Fe	-12.78205	-4.21416	-21.34995	94.79565	ug/L	09/19/10	01:26	
61112-1L	2Fe	-0.01278	-0.00421	-0.02134	94.79648	mg/L	09/19/10	01:26	
61112-1L	K	70.09101	70.37048	69.81156	0.56386	ug/L	09/19/10	01:26	
61112-1L	Mg	15.32371	12.53229	18.11513	25.76182	ug/L	09/19/10	01:26	
61112-1L	2Mg	0.01532	0.01252	0.01811	25.77171	mg/L	09/19/10	01:26	
61112-1L	Mn	0.06407	0.11707	0.01107	116.96775	ug/L	09/19/10	01:26	
61112-1L	Mo	-2.22266	-1.03620	-3.40912	75.49097	ug/L	09/19/10	01:26	
61112-1L	Na	28542.55468	28688.87500	28396.23632	0.72497	ug/L	09/19/10	01:26	
61112-1L	Ni	0.10080	-0.14293	0.34453	341.95059	ug/L	09/19/10	01:26	
61112-1L	Pb	1.45357	3.37674	-0.46959	187.10961	ug/L	09/19/10	01:26	
61112-1L	Se	5.96104	5.25972	6.66235	16.63815	ug/L	09/19/10	01:26	
61112-1L	Sb	-1.68835	-3.12295	-0.25375	120.16606	ug/L	09/19/10	01:26	
61112-1L	Sn	-0.41881	0.63952	-1.47715	357.37191	ug/L	09/19/10	01:26	
61112-1L	Sr	0.35177	0.36233	0.34120	4.24674	ug/L	09/19/10	01:26	
61112-1L	Ti	-0.01319	0.00842	-0.03480	231.72341	ug/L	09/19/10	01:26	
61112-1L	Tl	-2.14372	-2.26000	-2.02744	7.67099	ug/L	09/19/10	01:26	
61112-1L	V	-0.34295	-0.36799	-0.31790	10.32674	ug/L	09/19/10	01:26	
61112-1L	Zn	0.63576	0.63643	0.63510	0.14822	ug/L	09/19/10	01:26	
61112-1L	2203/1	0.58523	-1.87459	3.04505	594.41693	ug/L	09/19/10	01:26	
61112-1L	2203/2	1.88709	5.99847	-2.22429	308.11300	ug/L	09/19/10	01:26	
61112-1L	1960/1	5.78381	5.85357	5.71405	1.70571	ug/L	09/19/10	01:26	
61112-1L	1960/2	6.04952	4.96324	7.13579	25.39410	ug/L	09/19/10	01:26	
61112-1L	Y	961.97180	961.53094	962.41265	0.06481		09/19/10	01:26	
61112-1A	Ag	47.29798	47.43748	47.15847	0.41713	ug/L	09/19/10	01:31	
61112-1A	Al	1910.17797	1911.98388	1908.37219	0.13369	ug/L	09/19/10	01:31	
61112-1A	2Al	1.91015	1.91196	1.90834	0.13375	mg/L	09/19/10	01:31	
61112-1A	As	1963.74133	1966.86975	1960.61291	0.22529	ug/L	09/19/10	01:31	
61112-1A	B	1045.41284	1046.81604	1044.00952	0.18983	ug/L	09/19/10	01:31	
61112-1A	Ba	1929.18017	1930.81896	1927.54150	0.12012	ug/L	09/19/10	01:31	
61112-1A	Be	48.08940	48.10443	48.07437	0.04419	ug/L	09/19/10	01:31	
61112-1A	Ca	5175.90771	5180.54296	5171.27246	0.12664	ug/L	09/19/10	01:31	
61112-1A	Cd	49.72967	49.88702	49.57233	0.44746	ug/L	09/19/10	01:31	
61112-1A	Co	485.22387	486.07809	484.36962	0.24897	ug/L	09/19/10	01:31	
61112-1A	Cr	193.42117	193.05523	193.78710	0.26755	ug/L	09/19/10	01:31	
61112-1A	Cu	242.69189	243.33595	242.04785	0.37530	ug/L	09/19/10	01:31	
61112-1A	Fe	949.05895	953.86450	944.25347	0.71607	ug/L	09/19/10	01:31	
61112-1A	2Fe	0.94919	0.95399	0.94438	0.71597	mg/L	09/19/10	01:31	
61112-1A	K	6614.23535	6624.39111	6604.08007	0.21713	ug/L	09/19/10	01:31	
61112-1A	Mg	5214.02246	5222.13525	5205.91015	0.22003	ug/L	09/19/10	01:31	
61112-1A	2Mg	5.21260	5.22071	5.20449	0.22001	mg/L	09/19/10	01:31	
61112-1A	Mn	487.96759	488.23999	487.69522	0.07894	ug/L	09/19/10	01:31	
61112-1A	Mo	494.05346	494.36126	493.74563	0.08811	ug/L	09/19/10	01:31	
61112-1A	Na	162102.32812	162103.31250	162101.34375	0.00085	ug/L	09/19/10	01:31	
61112-1A	Ni	489.07843	488.91082	489.24603	0.04846	ug/L	09/19/10	01:31	
61112-1A	Pb	490.39465	489.03930	491.75000	0.39085	ug/L	09/19/10	01:31	
61112-1A	Se	1984.94970	1977.14038	1992.75915	0.55639	ug/L	09/19/10	01:31	
61112-1A	Sb	465.45397	462.43099	468.47692	0.91848	ug/L	09/19/10	01:31	
61112-1A	Sn	1035.52465	1039.26159	1031.78784	0.51034	ug/L	09/19/10	01:31	
61112-1A	Sr	510.42602	510.97775	509.87432	0.15286	ug/L	09/19/10	01:31	
61112-1A	Ti	974.67224	975.15393	974.19055	0.06989	ug/L	09/19/10	01:31	
61112-1A	Tl	2010.57055	2016.64184	2004.49914	0.42705	ug/L	09/19/10	01:31	
61112-1A	V	473.07592	473.65039	472.50143	0.17173	ug/L	09/19/10	01:31	
61112-1A	Zn	514.72814	515.16955	514.28668	0.12128	ug/L	09/19/10	01:31	
61112-1A	2203/1	493.97125	491.04718	496.89532	0.83714	ug/L	09/19/10	01:31	
61112-1A	2203/2	488.60903	488.03689	489.18118	0.16559	ug/L	09/19/10	01:31	
61112-1A	1960/1	1970.29565	1968.95800	1971.63342	0.09601	ug/L	09/19/10	01:31	
61112-1A	1960/2	1992.26538	1981.22497	2003.30578	0.78370	ug/L	09/19/10	01:31	
61112-1A	Y	959.13891	962.29913	955.97863	0.46596		09/19/10	01:31	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61112-1S	Ag	51.31417	51.27584	51.35250	0.10564	ug/L	09/19/10	01:36	
61112-1S	Al	2050.83007	2052.76611	2048.89428	0.13349	ug/L	09/19/10	01:36	
61112-1S	2Al	2.05102	2.05296	2.04909	0.13349	mg/L	09/19/10	01:36	
61112-1S	As	2106.54638	2114.87158	2098.22143	0.55889	ug/L	09/19/10	01:36	
61112-1S	B	1110.49340	1111.90893	1109.07800	0.18025	ug/L	09/19/10	01:36	
61112-1S	Ba	2069.10009	2072.76757	2065.43286	0.25066	ug/L	09/19/10	01:36	
61112-1S	Be	51.54238	51.61503	51.46974	0.19931	ug/L	09/19/10	01:36	
61112-1S	Ca	5461.03808	5467.43017	5454.64550	0.16553	ug/L	09/19/10	01:36	
61112-1S	Cd	53.20792	53.20558	53.21026	0.00622	ug/L	09/19/10	01:36	
61112-1S	Co	521.40917	522.14208	520.67626	0.19878	ug/L	09/19/10	01:36	
61112-1S	Cr	207.42546	207.73664	207.11427	0.21216	ug/L	09/19/10	01:36	
61112-1S	Cu	261.10748	261.09024	261.12475	0.00934	ug/L	09/19/10	01:36	
61112-1S	Fe	1022.01818	1018.51068	1025.52575	0.48535	ug/L	09/19/10	01:36	
61112-1S	2Fe	1.02216	1.01865	1.02566	0.48519	mg/L	09/19/10	01:36	
61112-1S	K	6928.98046	6937.08105	6920.87988	0.16533	ug/L	09/19/10	01:36	
61112-1S	Mg	5468.86816	5483.02978	5454.70703	0.36620	ug/L	09/19/10	01:36	
61112-1S	2Mg	5.46738	5.48154	5.45322	0.36623	mg/L	09/19/10	01:36	
61112-1S	Mn	524.18682	525.32067	523.05297	0.30590	ug/L	09/19/10	01:36	
61112-1S	Mo	532.76312	533.51824	532.00799	0.20044	ug/L	09/19/10	01:36	
61112-1S	Na	163442.96875	163886.35937	162999.56250	0.38365	ug/L	09/19/10	01:36	
61112-1S	Ni	525.54199	525.71881	525.36517	0.04758	ug/L	09/19/10	01:36	
61112-1S	Pb	521.22296	522.81964	519.62628	0.43322	ug/L	09/19/10	01:36	
61112-1S	Se	2120.41699	2125.98046	2114.85375	0.37104	ug/L	09/19/10	01:36	
61112-1S	Sb	506.95904	508.64990	505.26821	0.47167	ug/L	09/19/10	01:36	
61112-1S	Sn	1094.85644	1099.10095	1090.61181	0.54826	ug/L	09/19/10	01:36	
61112-1S	Sr	538.88989	540.40002	537.37982	0.39629	ug/L	09/19/10	01:36	
61112-1S	Ti	723.22082	724.24633	722.19531	0.20053	ug/L	09/19/10	01:36	
61112-1S	Tl	2175.47900	2174.64648	2176.31152	0.05411	ug/L	09/19/10	01:36	
61112-1S	V	506.93896	508.14733	505.73059	0.33710	ug/L	09/19/10	01:36	
61112-1S	Zn	551.93853	552.26770	551.60937	0.08434	ug/L	09/19/10	01:36	
61112-1S	2203/1	523.46777	521.70288	525.23266	0.47680	ug/L	09/19/10	01:36	
61112-1S	2203/2	520.10223	523.37713	516.82733	0.89048	ug/L	09/19/10	01:36	
61112-1S	1960/1	2109.30273	2113.49096	2105.11450	0.28080	ug/L	09/19/10	01:36	
61112-1S	1960/2	2125.96533	2132.21533	2119.71557	0.41574	ug/L	09/19/10	01:36	
61112-1S	Y	960.54443	961.26031	959.82855	0.10539		09/19/10	01:36	
CCV	Ag	489.14862	489.45794	488.83926	0.08943	ug/L	09/19/10	01:42	
CCV	Al	4887.28857	4891.56054	4883.01660	0.12361	ug/L	09/19/10	01:42	
CCV	2Al	4.88731	4.89137	4.88324	0.11762	mg/L	09/19/10	01:42	
CCV	As	499.41040	502.09719	496.72360	0.76083	ug/L	09/19/10	01:42	
CCV	B	4916.91992	4920.02148	4913.81835	0.08920	ug/L	09/19/10	01:42	
CCV	Ba	4911.77832	4915.60351	4907.95312	0.11013	ug/L	09/19/10	01:42	
CCV	Be	494.49670	494.60513	494.38824	0.03101	ug/L	09/19/10	01:42	
CCV	Ca	4941.47363	4941.05615	4941.89062	0.01194	ug/L	09/19/10	01:42	
CCV	Cd	502.00671	501.47396	502.53942	0.15007	ug/L	09/19/10	01:42	
CCV	Co	492.18469	492.16464	492.20474	0.00576	ug/L	09/19/10	01:42	
CCV	Cr	4981.76269	4983.09716	4980.42822	0.03788	ug/L	09/19/10	01:42	
CCV	Cu	4876.08300	4882.37988	4869.78564	0.18263	ug/L	09/19/10	01:42	
CCV	Fe	4913.05468	4904.61328	4921.49609	0.24298	ug/L	09/19/10	01:42	
CCV	2Fe	4.91331	4.90487	4.92175	0.24294	mg/L	09/19/10	01:42	
CCV	K	9792.74121	9778.26855	9807.21386	0.20900	ug/L	09/19/10	01:42	
CCV	Mg	5014.71582	5014.10107	5015.33105	0.01734	ug/L	09/19/10	01:42	
CCV	2Mg	5.01471	5.01410	5.01532	0.01725	mg/L	09/19/10	01:42	
CCV	Mn	4975.73144	4978.72607	4972.73632	0.08512	ug/L	09/19/10	01:42	
CCV	Mo	500.31433	497.70233	502.92633	0.73832	ug/L	09/19/10	01:42	
CCV	Na	7442.62695	7491.30664	7393.94775	0.92498	ug/L	09/19/10	01:42	
CCV	Ni	2493.73535	2493.02148	2494.44946	0.04049	ug/L	09/19/10	01:42	
CCV	Pb	507.48703	506.29217	508.68188	0.33297	ug/L	09/19/10	01:42	
CCV	Se	5027.73144	5028.57128	5026.89111	0.02363	ug/L	09/19/10	01:42	
CCV	Sb	495.49255	490.15805	500.82702	1.52254	ug/L	09/19/10	01:42	
CCV	Sn	5041.71435	5042.95996	5040.46875	0.03493	ug/L	09/19/10	01:42	
CCV	Sr	2479.01660	2477.61914	2480.41430	0.07972	ug/L	09/19/10	01:42	
CCV	Ti	491.93356	491.79776	492.06936	0.03904	ug/L	09/19/10	01:42	
CCV	Tl	5053.47851	5062.99707	5043.95996	0.26637	ug/L	09/19/10	01:42	
CCV	V	4936.91015	4940.10156	4933.71875	0.09142	ug/L	09/19/10	01:42	
CCV	Zn	2514.50488	2515.78735	2513.22265	0.07212	ug/L	09/19/10	01:42	
CCV	2203/1	502.46038	500.77090	504.14987	0.47551	ug/L	09/19/10	01:42	
CCV	2203/2	509.99224	509.04434	510.94012	0.26285	ug/L	09/19/10	01:42	
CCV	1960/1	5008.55371	5005.88720	5011.21972	0.07528	ug/L	09/19/10	01:42	
CCV	1960/2	5037.30566	5039.89599	5034.71484	0.07272	ug/L	09/19/10	01:42	
CCV	Y	951.71838	954.54693	948.88989	0.42030		09/19/10	01:42	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.10305	-0.06923	0.27534	236.42601	ug/L	09/19/10	01:47	
CCB	Al	3.20235	4.75031	1.65439	68.36058	ug/L	09/19/10	01:47	
CCB	2Al	0.00320	0.00475	0.00165	68.36058	mg/L	09/19/10	01:47	
CCB	As	0.45023	1.19796	-0.29750	234.86993	ug/L	09/19/10	01:47	
CCB	B	28.59662	30.11395	27.07930	7.50375	ug/L	09/19/10	01:47	
CCB	Ba	0.30938	-0.27328	0.89206	266.34167	ug/L	09/19/10	01:47	
CCB	Be	0.04863	-0.00225	0.09952	147.97979	ug/L	09/19/10	01:47	
CCB	Ca	0.79717	-0.75199	2.34634	274.82843	ug/L	09/19/10	01:47	
CCB	Cd	-0.09843	-0.25222	0.05535	220.95123	ug/L	09/19/10	01:47	
CCB	Co	-0.46521	-0.75237	-0.17805	87.29366	ug/L	09/19/10	01:47	
CCB	Cr	0.03688	-0.00157	0.07535	147.46313	ug/L	09/19/10	01:47	
CCB	Cu	0.22128	-0.62986	1.07244	543.95617	ug/L	09/19/10	01:47	
CCB	Fe	6.60748	-9.55031	22.76529	345.82870	ug/L	09/19/10	01:47	
CCB	2Fe	0.00660	-0.00954	0.02276	345.83947	mg/L	09/19/10	01:47	
CCB	K	-14.22427	-20.26351	-8.18504	60.04358	ug/L	09/19/10	01:47	
CCB	Mg	2.73101	-1.48749	6.94951	218.44886	ug/L	09/19/10	01:47	
CCB	2Mg	0.00272	-0.00148	0.00694	218.38533	mg/L	09/19/10	01:47	
CCB	Mn	0.48316	0.13009	0.83623	103.34350	ug/L	09/19/10	01:47	
CCB	Mo	1.45622	1.71922	1.19322	25.54114	ug/L	09/19/10	01:47	
CCB	Na	-57.33166	-151.34173	36.67840	231.89682	ug/L	09/19/10	01:47	
CCB	Ni	0.88009	1.09563	0.66455	34.63454	ug/L	09/19/10	01:47	
CCB	Pb	0.39799	0.52323	0.27275	44.50265	ug/L	09/19/10	01:47	
CCB	Se	5.76455	6.89232	4.63679	27.66738	ug/L	09/19/10	01:47	
CCB	Sb	-2.64429	-2.66762	-2.62096	1.24767	ug/L	09/19/10	01:47	
CCB	Sn	-0.70627	-4.34951	2.93695	729.50048	ug/L	09/19/10	01:47	
CCB	Sr	0.23844	0.05149	0.42539	110.88076	ug/L	09/19/10	01:47	
CCB	Ti	0.14875	0.00567	0.29182	136.02423	ug/L	09/19/10	01:47	
CCB	Tl	6.84516	9.13634	4.55398	47.33592	ug/L	09/19/10	01:47	
CCB	V	0.22749	-0.73588	1.19087	598.87231	ug/L	09/19/10	01:47	
CCB	Zn	0.43922	0.06947	0.80896	119.05116	ug/L	09/19/10	01:47	
CCB	2203/1	2.60077	2.59759	2.60395	0.17300	ug/L	09/19/10	01:47	
CCB	2203/2	-0.70174	-0.51239	-0.89110	38.16025	ug/L	09/19/10	01:47	
CCB	1960/1	6.09301	10.43706	1.74895	100.82746	ug/L	09/19/10	01:47	
CCB	1960/2	5.60057	5.12260	6.07854	12.06930	ug/L	09/19/10	01:47	
CCB	Y	958.39685	956.82543	959.96826	0.23187		09/19/10	01:47	
61112-1SD	Ag	49.81505	49.73192	49.89819	0.23601	ug/L	09/19/10	01:52	
61112-1SD	Al	1995.29174	1997.47314	1993.11022	0.15461	ug/L	09/19/10	01:52	
61112-1SD	2Al	1.99538	1.99766	1.99309	0.16196	mg/L	09/19/10	01:52	
61112-1SD	As	2057.53808	2056.10375	2058.97265	0.09859	ug/L	09/19/10	01:52	
61112-1SD	B	1086.75793	1087.15478	1086.36108	0.05164	ug/L	09/19/10	01:52	
61112-1SD	Ba	2013.53100	2016.28186	2010.78027	0.19320	ug/L	09/19/10	01:52	
61112-1SD	Be	50.12777	50.10412	50.15142	0.06672	ug/L	09/19/10	01:52	
61112-1SD	Ca	5326.18603	5330.29833	5322.07373	0.10919	ug/L	09/19/10	01:52	
61112-1SD	Cd	51.56995	51.52361	51.61629	0.12708	ug/L	09/19/10	01:52	
61112-1SD	Co	506.49838	507.16671	505.83004	0.18660	ug/L	09/19/10	01:52	
61112-1SD	Cr	202.25021	201.76614	202.73426	0.33847	ug/L	09/19/10	01:52	
61112-1SD	Cu	254.33695	254.12289	254.55102	0.11902	ug/L	09/19/10	01:52	
61112-1SD	Fe	994.93090	990.92523	998.93664	0.56937	ug/L	09/19/10	01:52	
61112-1SD	2Fe	0.99507	0.99106	0.99907	0.56922	mg/L	09/19/10	01:52	
61112-1SD	K	6806.59375	6813.30957	6799.87841	0.13953	ug/L	09/19/10	01:52	
61112-1SD	Mg	5331.59667	5334.81298	5328.38085	0.08530	ug/L	09/19/10	01:52	
61112-1SD	2Mg	5.33015	5.33336	5.32693	0.08532	mg/L	09/19/10	01:52	
61112-1SD	Mn	510.52792	510.93313	510.12271	0.11224	ug/L	09/19/10	01:52	
61112-1SD	Mo	519.40600	517.04205	521.76989	0.64363	ug/L	09/19/10	01:52	
61112-1SD	Na	162176.50000	162656.48437	161696.53125	0.41854	ug/L	09/19/10	01:52	
61112-1SD	Ni	510.53344	510.94400	510.12289	0.11372	ug/L	09/19/10	01:52	
61112-1SD	Pb	507.62145	508.97299	506.26995	0.37652	ug/L	09/19/10	01:52	
61112-1SD	Se	2065.99658	2066.83813	2065.15502	0.05760	ug/L	09/19/10	01:52	
61112-1SD	Sb	493.11660	496.48010	489.75311	0.96461	ug/L	09/19/10	01:52	
61112-1SD	Sn	1065.55761	1067.91430	1063.20092	0.31278	ug/L	09/19/10	01:52	
61112-1SD	Sr	525.15576	526.20086	524.11065	0.28144	ug/L	09/19/10	01:52	
61112-1SD	Ti	703.14611	704.05432	702.23791	0.18266	ug/L	09/19/10	01:52	
61112-1SD	Tl	2112.07275	2107.64526	2116.50024	0.29645	ug/L	09/19/10	01:52	
61112-1SD	V	493.85430	493.83554	493.87307	0.00537	ug/L	09/19/10	01:52	
61112-1SD	Zn	536.95275	537.67755	536.22802	0.19088	ug/L	09/19/10	01:52	
61112-1SD	2203/1	508.54916	506.68057	510.41775	0.51963	ug/L	09/19/10	01:52	
61112-1SD	2203/2	507.15832	510.11749	504.19915	0.82516	ug/L	09/19/10	01:52	
61112-1SD	1960/1	2048.31152	2053.89746	2042.72546	0.38567	ug/L	09/19/10	01:52	
61112-1SD	1960/2	2074.82519	2073.29785	2076.35229	0.10409	ug/L	09/19/10	01:52	
61112-1SD	Y	960.50512	960.68408	960.32617	0.02634		09/19/10	01:52	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	490.51733	490.26779	490.76684	0.07194	ug/L	09/19/10	01:57	
CCV	Al	4904.17187	4904.16113	4904.18310	0.00031	ug/L	09/19/10	01:57	
CCV	2Al	4.90419	4.90439	4.90399	0.00574	mg/L	09/19/10	01:57	
CCV	As	502.01953	502.67459	501.36444	0.18453	ug/L	09/19/10	01:57	
CCV	B	4931.11279	4925.37890	4936.84667	0.16444	ug/L	09/19/10	01:57	
CCV	Ba	4917.41650	4921.59326	4913.23974	0.12012	ug/L	09/19/10	01:57	
CCV	Be	495.80279	495.78713	495.81845	0.00446	ug/L	09/19/10	01:57	
CCV	Ca	4951.16894	4950.32666	4952.01123	0.02405	ug/L	09/19/10	01:57	
CCV	Cd	501.29772	501.44506	501.15039	0.04156	ug/L	09/19/10	01:57	
CCV	Co	493.68048	493.34197	494.01901	0.09697	ug/L	09/19/10	01:57	
CCV	Cr	4992.24462	4991.51220	4992.97705	0.02074	ug/L	09/19/10	01:57	
CCV	Cu	4877.97753	4881.84667	4874.10791	0.11218	ug/L	09/19/10	01:57	
CCV	Fe	4935.20214	4926.66503	4943.73974	0.24464	ug/L	09/19/10	01:57	
CCV	2Fe	4.93546	4.92692	4.94399	0.24461	mg/L	09/19/10	01:57	
CCV	K	9817.66601	9820.55957	9814.77246	0.04168	ug/L	09/19/10	01:57	
CCV	Mg	5027.92382	5032.01806	5023.83007	0.11515	ug/L	09/19/10	01:57	
CCV	2Mg	5.02792	5.03201	5.02382	0.11517	mg/L	09/19/10	01:57	
CCV	Mn	4985.04589	4986.62207	4983.46923	0.04472	ug/L	09/19/10	01:57	
CCV	Mo	501.62219	502.25973	500.98468	0.17973	ug/L	09/19/10	01:57	
CCV	Na	7298.46582	7200.86816	7396.06396	1.89114	ug/L	09/19/10	01:57	
CCV	Ni	2496.70361	2497.98657	2495.42089	0.07266	ug/L	09/19/10	01:57	
CCV	Pb	507.84478	508.26779	507.42181	0.11779	ug/L	09/19/10	01:57	
CCV	Se	5037.56250	5053.74414	5021.38134	0.45426	ug/L	09/19/10	01:57	
CCV	Sb	495.76556	495.00100	496.53009	0.21809	ug/L	09/19/10	01:57	
CCV	Sn	5047.30273	5046.61035	5047.99560	0.01940	ug/L	09/19/10	01:57	
CCV	Sr	2490.82885	2497.38671	2484.27099	0.37233	ug/L	09/19/10	01:57	
CCV	Ti	492.27575	492.51132	492.04019	0.06767	ug/L	09/19/10	01:57	
CCV	Tl	5076.02099	5081.26806	5070.77392	0.14618	ug/L	09/19/10	01:57	
CCV	V	4944.41113	4945.92431	4942.89843	0.04327	ug/L	09/19/10	01:57	
CCV	Zn	2517.33593	2518.46289	2516.20874	0.06331	ug/L	09/19/10	01:57	
CCV	2203/1	509.23315	509.86465	508.60162	0.17538	ug/L	09/19/10	01:57	
CCV	2203/2	507.14733	507.46618	506.82849	0.08891	ug/L	09/19/10	01:57	
CCV	1960/1	5004.12890	4998.06884	5010.18847	0.17125	ug/L	09/19/10	01:57	
CCV	1960/2	5054.25488	5081.54003	5026.96923	0.76346	ug/L	09/19/10	01:57	
CCV	Y	943.81335	943.04077	944.58599	0.11576		09/19/10	01:57	
CCB	Ag	-0.31605	-0.06924	-0.56286	110.43679	ug/L	09/19/10	02:02	
CCB	Al	4.91780	2.59591	7.23970	66.77079	ug/L	09/19/10	02:02	
CCB	2Al	0.00491	0.00259	0.00724	66.77095	mg/L	09/19/10	02:02	
CCB	As	-3.22865	-1.89344	-4.56387	58.48492	ug/L	09/19/10	02:02	
CCB	B	30.45179	32.33528	28.56830	8.74714	ug/L	09/19/10	02:02	
CCB	Ba	0.43264	0.01197	0.85331	137.50741	ug/L	09/19/10	02:02	
CCB	Be	0.05889	0.03377	0.08401	60.31332	ug/L	09/19/10	02:02	
CCB	Ca	2.46039	1.93586	2.98492	30.14943	ug/L	09/19/10	02:02	
CCB	Cd	-0.06110	-0.21574	0.09352	357.88095	ug/L	09/19/10	02:02	
CCB	Co	-0.03385	0.06171	-0.12942	399.20306	ug/L	09/19/10	02:02	
CCB	Cr	0.48495	-0.11827	1.08817	175.91352	ug/L	09/19/10	02:02	
CCB	Cu	-0.00846	-0.70630	0.68937	11657.57519	ug/L	09/19/10	02:02	
CCB	Fe	4.45900	1.21356	7.70444	102.93193	ug/L	09/19/10	02:02	
CCB	2Fe	0.00445	0.00121	0.00770	102.93022	mg/L	09/19/10	02:02	
CCB	K	-12.48939	-5.87563	-19.10315	74.88964	ug/L	09/19/10	02:02	
CCB	Mg	-0.07428	-4.29807	4.14949	8040.92138	ug/L	09/19/10	02:02	
CCB	2Mg	-0.00007	-0.00429	0.00414	7987.60449	mg/L	09/19/10	02:02	
CCB	Mn	0.64368	0.20105	1.08630	97.24765	ug/L	09/19/10	02:02	
CCB	Mo	1.08487	2.76302	-0.59327	218.75973	ug/L	09/19/10	02:02	
CCB	Na	13.95100	194.97041	-167.06840	1834.99414	ug/L	09/19/10	02:02	
CCB	Ni	1.03163	0.85795	1.20531	23.80932	ug/L	09/19/10	02:02	
CCB	Pb	1.19548	0.47703	1.91393	84.98968	ug/L	09/19/10	02:02	
CCB	Se	1.91704	3.62690	0.20718	126.13754	ug/L	09/19/10	02:02	
CCB	Sb	-4.29605	-8.16224	-0.42987	127.27039	ug/L	09/19/10	02:02	
CCB	Sn	0.46950	2.59541	-1.65641	640.36077	ug/L	09/19/10	02:02	
CCB	Sr	0.29108	0.07926	0.50290	102.91174	ug/L	09/19/10	02:02	
CCB	Ti	0.22546	0.20342	0.24751	13.82525	ug/L	09/19/10	02:02	
CCB	Tl	9.02784	9.20024	8.85545	2.70055	ug/L	09/19/10	02:02	
CCB	V	0.64791	0.46328	0.83254	40.30006	ug/L	09/19/10	02:02	
CCB	Zn	0.24121	0.06920	0.41322	100.85007	ug/L	09/19/10	02:02	
CCB	2203/1	-1.15443	-1.21200	-1.09687	7.05173	ug/L	09/19/10	02:02	
CCB	2203/2	2.36868	1.32029	3.41708	62.59397	ug/L	09/19/10	02:02	
CCB	1960/1	-2.42301	3.51242	-8.35844	346.42709	ug/L	09/19/10	02:02	
CCB	1960/2	4.08381	3.68405	4.48357	13.84353	ug/L	09/19/10	02:02	
CCB	Y	957.46710	957.13098	957.80322	0.04964		09/19/10	02:02	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 180163	Ag	0.17690	-0.21668	0.57049	314.64099	ug/L	09/19/10	02:08	
PBW 180163	Al	7.73908	6.85942	8.61873	16.07456	ug/L	09/19/10	02:08	
PBW 180163	2Al	0.00773	0.00686	0.00861	16.07456	mg/L	09/19/10	02:08	
PBW 180163	As	-2.27291	-2.34882	-2.19699	4.72366	ug/L	09/19/10	02:08	
PBW 180163	B	19.53047	19.50921	19.55173	0.15393	ug/L	09/19/10	02:08	
PBW 180163	Ba	-0.14294	-0.29790	0.01202	153.31378	ug/L	09/19/10	02:08	
PBW 180163	Be	0.00463	-0.00483	0.01411	288.88946	ug/L	09/19/10	02:08	
PBW 180163	Ca	13.51302	13.39916	13.62688	1.19164	ug/L	09/19/10	02:08	
PBW 180163	Cd	-0.14661	-0.01650	-0.27671	125.49931	ug/L	09/19/10	02:08	
PBW 180163	Co	-0.13946	-0.38678	0.10785	250.78887	ug/L	09/19/10	02:08	
PBW 180163	Cr	0.55888	0.26644	0.85131	73.99961	ug/L	09/19/10	02:08	
PBW 180163	Cu	-0.21743	-0.43668	0.00182	142.60845	ug/L	09/19/10	02:08	
PBW 180163	Fe	2.28249	-0.93698	5.50197	199.47650	ug/L	09/19/10	02:08	
PBW 180163	2Fe	0.00228	-0.00093	0.00550	199.48411	mg/L	09/19/10	02:08	
PBW 180163	K	-12.64877	-36.76848	11.47094	269.67382	ug/L	09/19/10	02:08	
PBW 180163	Mg	-0.07354	1.32837	-1.47546	2695.83471	ug/L	09/19/10	02:08	
PBW 180163	2Mg	-0.00007	0.00132	-0.00147	2682.69262	mg/L	09/19/10	02:08	
PBW 180163	Mn	0.02292	0.06959	-0.02374	287.89593	ug/L	09/19/10	02:08	
PBW 180163	Mo	0.70796	0.81795	0.59798	21.97028	ug/L	09/19/10	02:08	
PBW 180163	Na	-104.93090	-167.94773	-41.91408	84.93135	ug/L	09/19/10	02:08	
PBW 180163	Ni	0.40865	-0.80146	1.61877	418.78369	ug/L	09/19/10	02:08	
PBW 180163	Pb	0.85063	0.97878	0.72248	21.30549	ug/L	09/19/10	02:08	
PBW 180163	Se	3.04609	6.12454	-0.03235	142.92370	ug/L	09/19/10	02:08	
PBW 180163	Sb	-2.25689	-3.46378	-1.05000	75.62617	ug/L	09/19/10	02:08	
PBW 180163	Sn	-0.66973	-2.96007	1.62061	483.63323	ug/L	09/19/10	02:08	
PBW 180163	Sr	-0.00790	-0.01147	-0.00434	63.72681	ug/L	09/19/10	02:08	
PBW 180163	Ti	0.10703	0.00957	0.20449	128.77290	ug/L	09/19/10	02:08	
PBW 180163	Tl	2.27354	-1.03570	5.58278	205.84529	ug/L	09/19/10	02:08	
PBW 180163	V	0.36201	0.10060	0.62342	102.11912	ug/L	09/19/10	02:08	
PBW 180163	Zn	0.21039	0.18057	0.24021	20.04363	ug/L	09/19/10	02:08	
PBW 180163	2203/1	-0.56269	0.56859	-1.69399	284.32501	ug/L	09/19/10	02:08	
PBW 180163	2203/2	1.55624	1.18357	1.92891	33.86564	ug/L	09/19/10	02:08	
PBW 180163	1960/1	6.38215	9.61505	3.14924	71.63758	ug/L	09/19/10	02:08	
PBW 180163	1960/2	1.38056	4.38190	-1.62077	307.44973	ug/L	09/19/10	02:08	
PBW 180163	Y	962.39953	964.37689	960.42218	0.29056		09/19/10	02:08	
LCSW-1	Ag	51.07167	51.51355	50.62979	1.22359	ug/L	09/19/10	02:13	
LCSW-1	Al	2003.21630	2001.50598	2004.92663	0.12074	ug/L	09/19/10	02:13	
LCSW-1	2Al	2.00330	2.00148	2.00512	0.12814	mg/L	09/19/10	02:13	
LCSW-1	As	2058.48095	2058.39746	2058.56445	0.00573	ug/L	09/19/10	02:13	
LCSW-1	B	1054.39257	1052.84875	1055.93627	0.20705	ug/L	09/19/10	02:13	
LCSW-1	Ba	2052.20507	2052.65844	2051.75146	0.03125	ug/L	09/19/10	02:13	
LCSW-1	Be	50.98295	51.09868	50.86722	0.32102	ug/L	09/19/10	02:13	
LCSW-1	Ca	5226.08886	5232.37988	5219.79833	0.17023	ug/L	09/19/10	02:13	
LCSW-1	Cd	52.03386	52.23978	51.82794	0.55966	ug/L	09/19/10	02:13	
LCSW-1	Co	514.21691	515.16497	513.26885	0.26073	ug/L	09/19/10	02:13	
LCSW-1	Cr	209.13401	209.05404	209.21398	0.05407	ug/L	09/19/10	02:13	
LCSW-1	Cu	252.65689	252.71617	252.59761	0.03318	ug/L	09/19/10	02:13	
LCSW-1	Fe	1015.90185	1022.20581	1009.59796	0.87755	ug/L	09/19/10	02:13	
LCSW-1	2Fe	1.01604	1.02234	1.00973	0.87741	mg/L	09/19/10	02:13	
LCSW-1	K	5205.26269	5222.35449	5188.17138	0.46435	ug/L	09/19/10	02:13	
LCSW-1	Mg	5324.72753	5326.68701	5322.76757	0.05204	ug/L	09/19/10	02:13	
LCSW-1	2Mg	5.32328	5.32524	5.32132	0.05202	mg/L	09/19/10	02:13	
LCSW-1	Mn	518.58630	518.98535	518.18731	0.10881	ug/L	09/19/10	02:13	
LCSW-1	Mo	534.35803	531.77331	536.94274	0.68406	ug/L	09/19/10	02:13	
LCSW-1	Na	5113.59472	5194.90185	5032.28808	2.24861	ug/L	09/19/10	02:13	
LCSW-1	Ni	518.43823	518.49963	518.37689	0.01674	ug/L	09/19/10	02:13	
LCSW-1	Pb	522.28979	524.13018	520.44946	0.49831	ug/L	09/19/10	02:13	
LCSW-1	Se	2084.13769	2092.48144	2075.79418	0.56616	ug/L	09/19/10	02:13	
LCSW-1	Sb	493.74060	491.32434	496.15682	0.69208	ug/L	09/19/10	02:13	
LCSW-1	Sn	1064.10388	1064.77038	1063.43737	0.08857	ug/L	09/19/10	02:13	
LCSW-1	Sr	536.03698	535.97491	536.09912	0.01638	ug/L	09/19/10	02:13	
LCSW-1	Ti	725.08953	725.45550	724.72357	0.07137	ug/L	09/19/10	02:13	
LCSW-1	Tl	2145.76733	2141.92211	2149.61254	0.25342	ug/L	09/19/10	02:13	
LCSW-1	V	507.35845	507.48999	507.22695	0.03665	ug/L	09/19/10	02:13	
LCSW-1	Zn	524.55926	525.24133	523.87719	0.18388	ug/L	09/19/10	02:13	
LCSW-1	2203/1	519.62402	517.50091	521.74707	0.57781	ug/L	09/19/10	02:13	
LCSW-1	2203/2	523.62072	527.43988	519.80163	1.03148	ug/L	09/19/10	02:13	
LCSW-1	1960/1	2051.42358	2052.24682	2050.60034	0.05675	ug/L	09/19/10	02:13	
LCSW-1	1960/2	2100.46972	2112.56811	2088.37158	0.81455	ug/L	09/19/10	02:13	
LCSW-1	Y	949.85888	949.50970	950.20812	0.05199		09/19/10	02:13	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSD	Ag	50.32870	50.33835	50.31904	0.02713	ug/L	09/19/10	02:18	
LCSD	Al	1998.78369	2002.49560	1995.07189	0.26262	ug/L	09/19/10	02:18	
LCSD	2Al	1.99887	2.00248	1.99526	0.25530	mg/L	09/19/10	02:18	
LCSD	As	2066.57983	2069.89526	2063.26440	0.22688	ug/L	09/19/10	02:18	
LCSD	B	1027.62548	1030.49707	1024.75402	0.39517	ug/L	09/19/10	02:18	
LCSD	Ba	2056.41284	2060.94921	2051.87646	0.31197	ug/L	09/19/10	02:18	
LCSD	Be	51.06853	51.21765	50.91941	0.41295	ug/L	09/19/10	02:18	
LCSD	Ca	5063.67968	5074.86425	5052.49560	0.31236	ug/L	09/19/10	02:18	
LCSD	Cd	52.19126	52.35474	52.02779	0.44295	ug/L	09/19/10	02:18	
LCSD	Co	515.68298	516.96801	514.39801	0.35240	ug/L	09/19/10	02:18	
LCSD	Cr	209.85777	211.08341	208.63212	0.82595	ug/L	09/19/10	02:18	
LCSD	Cu	253.68560	254.35377	253.01742	0.37248	ug/L	09/19/10	02:18	
LCSD	Fe	1010.77172	1014.42352	1007.11999	0.51093	ug/L	09/19/10	02:18	
LCSD	2Fe	1.01091	1.01456	1.00726	0.51089	mg/L	09/19/10	02:18	
LCSD	K	5021.48974	5022.32324	5020.65625	0.02347	ug/L	09/19/10	02:18	
LCSD	Mg	5148.10302	5162.12109	5134.08496	0.38508	ug/L	09/19/10	02:18	
LCSD	2Mg	5.14670	5.16072	5.13269	0.38508	mg/L	09/19/10	02:18	
LCSD	Mn	519.12750	520.77770	517.47729	0.44955	ug/L	09/19/10	02:18	
LCSD	Mo	516.04528	516.96588	515.12469	0.25228	ug/L	09/19/10	02:18	
LCSD	Na	4795.20019	4799.97607	4790.42382	0.14085	ug/L	09/19/10	02:18	
LCSD	Ni	518.98901	521.57592	516.40209	0.70491	ug/L	09/19/10	02:18	
LCSD	Pb	522.98199	525.09271	520.87127	0.57076	ug/L	09/19/10	02:18	
LCSD	Se	2088.25341	2095.63061	2080.87622	0.49960	ug/L	09/19/10	02:18	
LCSD	Sb	500.66717	500.06915	501.26516	0.16891	ug/L	09/19/10	02:18	
LCSD	Sn	1032.53308	1034.92114	1030.14501	0.32708	ug/L	09/19/10	02:18	
LCSD	Sr	518.34143	520.92395	515.75897	0.70459	ug/L	09/19/10	02:18	
LCSD	Ti	701.58251	703.93200	699.23297	0.47360	ug/L	09/19/10	02:18	
LCSD	Tl	2159.22021	2163.88842	2154.55175	0.30575	ug/L	09/19/10	02:18	
LCSD	V	507.62890	509.15884	506.09893	0.42623	ug/L	09/19/10	02:18	
LCSD	Zn	527.42492	529.49456	525.35528	0.55494	ug/L	09/19/10	02:18	
LCSD	2203/1	522.35522	525.36132	519.34912	0.81386	ug/L	09/19/10	02:18	
LCSD	2203/2	523.29492	524.95861	521.63122	0.44961	ug/L	09/19/10	02:18	
LCSD	1960/1	2062.14208	2070.07055	2054.21337	0.54374	ug/L	09/19/10	02:18	
LCSD	1960/2	2101.28906	2108.39086	2094.18701	0.47797	ug/L	09/19/10	02:18	
LCSD	Y	963.37731	959.44445	967.31018	0.57733		09/19/10	02:18	
61291-1	Ag	-0.21642	-0.31421	-0.11863	63.89803	ug/L	09/19/10	02:23	
61291-1	Al	15820.40917	15784.24218	15856.57617	0.32330	ug/L	09/19/10	02:23	
61291-1	2Al	15.82135	15.78559	15.85711	0.31963	mg/L	09/19/10	02:23	
61291-1	As	-1.34977	0.34274	-3.04229	177.33224	ug/L	09/19/10	02:23	
61291-1	B	44.53865	44.84208	44.23523	0.96344	ug/L	09/19/10	02:23	
61291-1	Ba	52.91590	52.66482	53.16698	0.67101	ug/L	09/19/10	02:23	
61291-1	Be	0.26571	0.25871	0.27271	3.72589	ug/L	09/19/10	02:23	
61291-1	Ca	892.64880	889.39697	895.90069	0.51518	ug/L	09/19/10	02:23	
61291-1	Cd	-0.05921	-0.05088	-0.06755	19.90117	ug/L	09/19/10	02:23	
61291-1	Co	1.18933	1.34608	1.03259	18.63857	ug/L	09/19/10	02:23	
61291-1	Cr	26.12068	26.06150	26.17987	0.32045	ug/L	09/19/10	02:23	
61291-1	Cu	5.95577	6.24724	5.66429	6.92118	ug/L	09/19/10	02:23	
61291-1	Fe	7678.13671	7646.76318	7709.50976	0.57785	ug/L	09/19/10	02:23	
61291-1	2Fe	7.67756	7.64619	7.70894	0.57785	mg/L	09/19/10	02:23	
61291-1	K	300.17120	298.11547	302.22695	0.96853	ug/L	09/19/10	02:23	
61291-1	Mg	2533.53417	2526.44946	2540.61914	0.39547	ug/L	09/19/10	02:23	
61291-1	2Mg	2.53147	2.52440	2.53855	0.39537	mg/L	09/19/10	02:23	
61291-1	Mn	20.75133	20.60415	20.89852	1.00305	ug/L	09/19/10	02:23	
61291-1	Mo	1.62829	2.51435	0.74223	76.95656	ug/L	09/19/10	02:23	
61291-1	Na	6234.70800	6343.67480	6125.74072	2.47169	ug/L	09/19/10	02:23	
61291-1	Ni	17.10175	16.78113	17.42237	2.65134	ug/L	09/19/10	02:23	
61291-1	Pb	13.15246	14.02591	12.27902	9.39166	ug/L	09/19/10	02:23	
61291-1	Se	3.08651	5.10492	1.06811	92.48123	ug/L	09/19/10	02:23	
61291-1	Sb	-2.44412	0.21626	-5.10451	153.93464	ug/L	09/19/10	02:23	
61291-1	Sn	-2.60602	-1.67384	-3.53821	50.58677	ug/L	09/19/10	02:23	
61291-1	Sr	80.79423	80.59446	80.99401	0.34967	ug/L	09/19/10	02:23	
61291-1	Ti	81.60990	81.98653	81.23329	0.65264	ug/L	09/19/10	02:23	
61291-1	Tl	-0.62022	-2.90189	1.66145	520.26110	ug/L	09/19/10	02:23	
61291-1	V	19.39315	18.64253	20.14376	5.47375	ug/L	09/19/10	02:23	
61291-1	Zn	15.57124	15.82495	15.31754	2.30417	ug/L	09/19/10	02:23	
61291-1	2203/1	13.42398	14.85219	11.99577	15.04616	ug/L	09/19/10	02:23	
61291-1	2203/2	13.01691	13.61339	12.42043	6.48037	ug/L	09/19/10	02:23	
61291-1	1960/1	0.13047	-1.09759	1.35854	1331.12536	ug/L	09/19/10	02:23	
61291-1	1960/2	4.56232	8.20153	0.92312	112.80670	ug/L	09/19/10	02:23	
61291-1	Y	966.86492	966.90856	966.82128	0.00638		09/19/10	02:23	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61291-2	Ag	0.00414	-0.65608	0.66437	22525.00781	ug/L	09/19/10	02:28	
61291-2	Al	6262.97656	6260.59228	6265.36035	0.05383	ug/L	09/19/10	02:28	
61291-2	2Al	6.26307	6.26079	6.26536	0.05149	mg/L	09/19/10	02:28	
61291-2	As	-2.02384	-4.86662	0.81894	198.64717	ug/L	09/19/10	02:28	
61291-2	B	36.18083	35.28819	37.07347	3.48909	ug/L	09/19/10	02:28	
61291-2	Ba	38.47331	38.41500	38.53161	0.21432	ug/L	09/19/10	02:28	
61291-2	Be	0.10631	0.11013	0.10248	5.09117	ug/L	09/19/10	02:28	
61291-2	Ca	11192.74218	11180.62011	11204.86425	0.15316	ug/L	09/19/10	02:28	
61291-2	Cd	-0.34197	-0.09575	-0.58819	101.82085	ug/L	09/19/10	02:28	
61291-2	Co	0.09727	0.23647	-0.04193	202.38545	ug/L	09/19/10	02:28	
61291-2	Cr	10.40774	10.55321	10.26226	1.97673	ug/L	09/19/10	02:28	
61291-2	Cu	2.16259	1.66098	2.66420	32.80224	ug/L	09/19/10	02:28	
61291-2	Fe	4299.04980	4288.04296	4310.05615	0.36207	ug/L	09/19/10	02:28	
61291-2	2Fe	4.29873	4.28772	4.30973	0.36206	mg/L	09/19/10	02:28	
61291-2	K	271.25134	265.24728	277.25540	3.13031	ug/L	09/19/10	02:28	
61291-2	Mg	2528.76879	2523.91650	2533.62109	0.27136	ug/L	09/19/10	02:28	
61291-2	2Mg	2.52730	2.52245	2.53215	0.27134	mg/L	09/19/10	02:28	
61291-2	Mn	7.61052	7.61594	7.60510	0.10069	ug/L	09/19/10	02:28	
61291-2	Mo	0.70654	-0.80783	2.22092	303.11764	ug/L	09/19/10	02:28	
61291-2	Na	5679.43457	5822.47314	5536.39648	3.56174	ug/L	09/19/10	02:28	
61291-2	Ni	6.77834	6.23818	7.31850	11.26974	ug/L	09/19/10	02:28	
61291-2	Pb	7.76513	8.99466	6.53560	22.39258	ug/L	09/19/10	02:28	
61291-2	Se	2.93787	1.73240	4.14335	58.02826	ug/L	09/19/10	02:28	
61291-2	Sb	-2.58934	-2.26907	-2.90961	17.49203	ug/L	09/19/10	02:28	
61291-2	Sn	-2.17979	-3.78166	-0.57792	103.92645	ug/L	09/19/10	02:28	
61291-2	Sr	140.00492	139.80789	140.20196	0.19903	ug/L	09/19/10	02:28	
61291-2	Ti	49.64006	49.43688	49.84325	0.57885	ug/L	09/19/10	02:28	
61291-2	Tl	1.27614	1.28017	1.27211	0.44663	ug/L	09/19/10	02:28	
61291-2	V	11.26246	11.43401	11.09090	2.15417	ug/L	09/19/10	02:28	
61291-2	Zn	3.07820	3.30192	2.85449	10.27801	ug/L	09/19/10	02:28	
61291-2	2203/1	9.56301	10.60474	8.52128	15.40550	ug/L	09/19/10	02:28	
61291-2	2203/2	6.86754	8.19083	5.54425	27.25003	ug/L	09/19/10	02:28	
61291-2	1960/1	-2.88366	-1.69549	-4.07182	58.27050	ug/L	09/19/10	02:28	
61291-2	1960/2	5.84428	3.44377	8.24478	58.08793	ug/L	09/19/10	02:28	
61291-2	Y	966.82568	967.61572	966.03558	0.11556		09/19/10	02:28	
61291-3	Ag	-1.96425	-1.94616	-1.98235	1.30259	ug/L	09/19/10	02:34	
61291-3	Al	1486739.00000	1492513.00000	1480965.00000	0.54923	ug/L	09/19/10	02:34	
61291-3	2Al	1486.84790	1492.59826	1481.09765	0.54693	mg/L	09/19/10	02:34	
61291-3	As	74.54845	75.03995	74.05695	0.93239	ug/L	09/19/10	02:34	
61291-3	B	154.60565	155.22915	153.98216	0.57032	ug/L	09/19/10	02:34	
61291-3	Ba	2087.12451	2091.57128	2082.67797	0.30130	ug/L	09/19/10	02:34	
61291-3	Be	11.16307	11.17886	11.14728	0.20000	ug/L	09/19/10	02:34	
61291-3	Ca	20764.37500	20813.61328	20715.13476	0.33535	ug/L	09/19/10	02:34	
61291-3	Cd	-1.65400	-1.59934	-1.70865	4.67301	ug/L	09/19/10	02:34	
61291-3	Co	48.10397	48.24292	47.96502	0.40850	ug/L	09/19/10	02:34	
61291-3	Cr	1385.80615	1388.87622	1382.73596	0.31330	ug/L	09/19/10	02:34	
61291-3	Cu	350.38677	351.98681	348.78677	0.64579	ug/L	09/19/10	02:34	
61291-3	Fe	198081.87500	198643.00000	197520.73437	0.40062	ug/L	09/19/10	02:34	
61291-3	2Fe	198.06300	198.62086	197.50514	0.39832	mg/L	09/19/10	02:34	
61291-3	K	17930.73242	17989.03906	17872.42578	0.45986	ug/L	09/19/10	02:34	
61291-3	Mg	55238.82031	55377.75781	55099.87890	0.35571	ug/L	09/19/10	02:34	
61291-3	2Mg	55.18847	55.32727	55.04967	0.35568	mg/L	09/19/10	02:34	
61291-3	Mn	178.98284	179.60963	178.35607	0.49524	ug/L	09/19/10	02:34	
61291-3	Mo	70.01416	67.65953	72.36878	4.75609	ug/L	09/19/10	02:34	
61291-3	Na	10604.71093	10400.02832	10809.39453	2.72959	ug/L	09/19/10	02:34	
61291-3	Ni	333.10357	333.73532	332.47183	0.26821	ug/L	09/19/10	02:34	
61291-3	Pb	858.41271	859.69665	857.12872	0.21153	ug/L	09/19/10	02:34	
61291-3	Se	110.35923	109.97878	110.73967	0.48752	ug/L	09/19/10	02:34	
61291-3	Sb	24.69554	23.97525	25.41583	4.12479	ug/L	09/19/10	02:34	
61291-3	Sn	25.15871	28.99607	21.32135	21.57043	ug/L	09/19/10	02:34	
61291-3	Sr	4763.07373	4771.34765	4754.79980	0.24566	ug/L	09/19/10	02:34	
61291-3	Ti	1423.51525	1428.50683	1418.52368	0.49589	ug/L	09/19/10	02:34	
61291-3	Tl	9.50700	7.06203	11.95197	36.37011	ug/L	09/19/10	02:34	
61291-3	V	1176.47985	1179.93859	1173.02111	0.41576	ug/L	09/19/10	02:34	
61291-3	Zn	110.52864	111.17345	109.88384	0.82502	ug/L	09/19/10	02:34	
61291-3	2203/1	1120.23681	1120.26086	1120.21289	0.00302	ug/L	09/19/10	02:34	
61291-3	2203/2	727.69689	729.60986	725.78387	0.37177	ug/L	09/19/10	02:34	
61291-3	1960/1	98.28729	102.89591	93.67866	6.63115	ug/L	09/19/10	02:34	
61291-3	1960/2	116.38614	113.51490	119.25739	3.48886	ug/L	09/19/10	02:34	
61291-3	Y	960.54003	957.14843	963.93164	0.49934		09/19/10	02:34	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61291-4	Ag	0.19678	0.60949	-0.21592	296.59783	ug/L	09/19/10	02:39	
61291-4	Al	8655.78222	8670.00488	8641.55957	0.23237	ug/L	09/19/10	02:39	
61291-4	2Al	8.65592	8.66983	8.64200	0.22740	mg/L	09/19/10	02:39	
61291-4	As	1.08553	3.11981	-0.94874	265.02163	ug/L	09/19/10	02:39	
61291-4	B	37.21391	36.18759	38.24022	3.90021	ug/L	09/19/10	02:39	
61291-4	Ba	25.14722	25.18153	25.11292	0.19293	ug/L	09/19/10	02:39	
61291-4	Be	0.16238	0.15574	0.16902	5.78397	ug/L	09/19/10	02:39	
61291-4	Ca	640.31225	640.67437	639.95007	0.07998	ug/L	09/19/10	02:39	
61291-4	Cd	-0.41090	-0.17918	-0.64262	79.75194	ug/L	09/19/10	02:39	
61291-4	Co	0.40839	0.18719	0.62959	76.59724	ug/L	09/19/10	02:39	
61291-4	Cr	38.52226	38.30984	38.73467	0.77980	ug/L	09/19/10	02:39	
61291-4	Cu	8.80265	8.78467	8.82064	0.28892	ug/L	09/19/10	02:39	
61291-4	Fe	7655.22265	7653.20947	7657.23632	0.03719	ug/L	09/19/10	02:39	
61291-4	2Fe	7.65465	7.65264	7.65667	0.03719	mg/L	09/19/10	02:39	
61291-4	K	240.00820	236.62837	243.38803	1.99151	ug/L	09/19/10	02:39	
61291-4	Mg	1615.48779	1612.44653	1618.52893	0.26622	ug/L	09/19/10	02:39	
61291-4	2Mg	1.61370	1.61066	1.61674	0.26642	mg/L	09/19/10	02:39	
61291-4	Mn	40.71662	40.70951	40.72372	0.02467	ug/L	09/19/10	02:39	
61291-4	Mo	4.66471	4.10961	5.21981	16.82902	ug/L	09/19/10	02:39	
61291-4	Na	7454.32958	7361.29980	7547.35937	1.76493	ug/L	09/19/10	02:39	
61291-4	Ni	14.94630	14.93300	14.95960	0.12584	ug/L	09/19/10	02:39	
61291-4	Pb	8.96286	8.65462	9.27109	4.86350	ug/L	09/19/10	02:39	
61291-4	Se	1.46389	2.64459	0.28319	114.06297	ug/L	09/19/10	02:39	
61291-4	Sb	0.77031	2.01196	-0.47133	227.95419	ug/L	09/19/10	02:39	
61291-4	Sn	-0.78605	-0.92946	-0.64264	25.80147	ug/L	09/19/10	02:39	
61291-4	Sr	70.98714	70.94150	71.03278	0.09092	ug/L	09/19/10	02:39	
61291-4	Ti	77.59367	77.62245	77.56490	0.05244	ug/L	09/19/10	02:39	
61291-4	Tl	-2.76257	-0.49010	-5.03504	116.33206	ug/L	09/19/10	02:39	
61291-4	V	12.30140	12.03086	12.57193	3.11020	ug/L	09/19/10	02:39	
61291-4	Zn	9.89847	9.77537	10.02158	1.75883	ug/L	09/19/10	02:39	
61291-4	2203/1	11.82053	11.75846	11.88261	0.74265	ug/L	09/19/10	02:39	
61291-4	2203/2	7.53616	7.10503	7.96729	8.09043	ug/L	09/19/10	02:39	
61291-4	1960/1	-0.57432	-0.86603	-0.28261	71.83042	ug/L	09/19/10	02:39	
61291-4	1960/2	2.48147	4.39727	0.56567	109.18303	ug/L	09/19/10	02:39	
61291-4	Y	972.91918	973.91876	971.91961	0.14529		09/19/10	02:39	
61291-5	Ag	0.00348	0.12560	-0.11863	4962.04736	ug/L	09/19/10	02:44	
61291-5	Al	14130.07714	14143.69042	14116.46386	0.13624	ug/L	09/19/10	02:44	
61291-5	2Al	14.13105	14.14446	14.11765	0.13418	mg/L	09/19/10	02:44	
61291-5	As	2.88145	4.49814	1.26476	79.34673	ug/L	09/19/10	02:44	
61291-5	B	39.59249	39.17605	40.00894	1.48750	ug/L	09/19/10	02:44	
61291-5	Ba	34.88145	34.79450	34.96840	0.35251	ug/L	09/19/10	02:44	
61291-5	Be	0.15298	0.15265	0.15331	0.30476	ug/L	09/19/10	02:44	
61291-5	Ca	371.02911	370.73742	371.32077	0.11117	ug/L	09/19/10	02:44	
61291-5	Cd	-0.31273	-0.37441	-0.25104	27.89612	ug/L	09/19/10	02:44	
61291-5	Co	-0.06764	0.13737	-0.27266	428.63296	ug/L	09/19/10	02:44	
61291-5	Cr	19.93906	20.10493	19.77318	1.17648	ug/L	09/19/10	02:44	
61291-5	Cu	6.87184	7.28218	6.46149	8.44481	ug/L	09/19/10	02:44	
61291-5	Fe	3636.89062	3642.21044	3631.57080	0.20686	ug/L	09/19/10	02:44	
61291-5	2Fe	3.63662	3.64194	3.63130	0.20686	mg/L	09/19/10	02:44	
61291-5	K	316.44189	313.62948	319.25433	1.25690	ug/L	09/19/10	02:44	
61291-5	Mg	1435.74206	1437.97338	1433.51074	0.21978	ug/L	09/19/10	02:44	
61291-5	2Mg	1.43470	1.43693	1.43247	0.21979	mg/L	09/19/10	02:44	
61291-5	Mn	7.85672	7.82051	7.89292	0.65171	ug/L	09/19/10	02:44	
61291-5	Mo	1.14599	0.00383	2.28815	140.94828	ug/L	09/19/10	02:44	
61291-5	Na	7270.66455	7204.98828	7336.34082	1.27746	ug/L	09/19/10	02:44	
61291-5	Ni	7.85001	7.23797	8.46205	11.02621	ug/L	09/19/10	02:44	
61291-5	Pb	13.44724	12.14277	14.75170	13.71875	ug/L	09/19/10	02:44	
61291-5	Se	7.34104	4.57826	10.10382	53.22348	ug/L	09/19/10	02:44	
61291-5	Sb	1.41391	0.24732	2.58050	116.68374	ug/L	09/19/10	02:44	
61291-5	Sn	-1.07128	0.65457	-2.79714	227.83192	ug/L	09/19/10	02:44	
61291-5	Sr	122.35867	122.22771	122.48962	0.15135	ug/L	09/19/10	02:44	
61291-5	Ti	74.07951	73.93820	74.22082	0.26977	ug/L	09/19/10	02:44	
61291-5	Tl	2.75473	0.76401	4.74546	102.19891	ug/L	09/19/10	02:44	
61291-5	V	18.54626	18.55789	18.53463	0.08869	ug/L	09/19/10	02:44	
61291-5	Zn	4.89352	4.78384	5.00321	3.16987	ug/L	09/19/10	02:44	
61291-5	2203/1	16.68831	15.54043	17.83618	9.72738	ug/L	09/19/10	02:44	
61291-5	2203/2	11.82913	10.44649	13.21178	16.53000	ug/L	09/19/10	02:44	
61291-5	1960/1	0.62494	2.07832	-0.82844	328.89367	ug/L	09/19/10	02:44	
61291-5	1960/2	10.69406	5.82636	15.56176	64.37186	ug/L	09/19/10	02:44	
61291-5	Y	968.38397	967.81652	968.95141	0.08286		09/19/10	02:44	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61291-5L	Ag	0.42456	-0.46275	1.31187	295.56353	ug/L	09/19/10	02:49	
61291-5L	Al	2829.18798	2849.71508	2808.66088	1.02607	ug/L	09/19/10	02:49	
61291-5L	2Al	2.82936	2.84999	2.80873	1.03130	mg/L	09/19/10	02:49	
61291-5L	As	-0.51545	2.00720	-3.03812	692.11914	ug/L	09/19/10	02:49	
61291-5L	B	21.64244	22.18155	21.10333	3.52277	ug/L	09/19/10	02:49	
61291-5L	Ba	6.59158	6.58030	6.60287	0.24210	ug/L	09/19/10	02:49	
61291-5L	Be	0.04601	0.03628	0.05574	29.91842	ug/L	09/19/10	02:49	
61291-5L	Ca	79.64767	80.24692	79.04841	1.06402	ug/L	09/19/10	02:49	
61291-5L	Cd	0.15912	-0.02663	0.34489	165.09674	ug/L	09/19/10	02:49	
61291-5L	Co	-0.37973	-0.41856	-0.34090	14.46266	ug/L	09/19/10	02:49	
61291-5L	Cr	3.99741	4.14509	3.84973	5.22460	ug/L	09/19/10	02:49	
61291-5L	Cu	0.93799	1.23381	0.64216	44.60136	ug/L	09/19/10	02:49	
61291-5L	Fe	718.85253	723.52197	714.18316	0.91862	ug/L	09/19/10	02:49	
61291-5L	2Fe	0.71879	0.72346	0.71413	0.91860	mg/L	09/19/10	02:49	
61291-5L	K	56.88676	47.80399	65.96952	22.57989	ug/L	09/19/10	02:49	
61291-5L	Mg	284.80432	287.12326	282.48538	1.15148	ug/L	09/19/10	02:49	
61291-5L	2Mg	0.28459	0.28691	0.28228	1.15158	mg/L	09/19/10	02:49	
61291-5L	Mn	1.62398	1.58554	1.66242	3.34723	ug/L	09/19/10	02:49	
61291-5L	Mo	1.22949	1.71090	0.74807	55.37457	ug/L	09/19/10	02:49	
61291-5L	Na	1214.98730	1126.37939	1303.59509	10.31372	ug/L	09/19/10	02:49	
61291-5L	Ni	1.56692	0.50354	2.63030	95.97474	ug/L	09/19/10	02:49	
61291-5L	Pb	2.41040	3.40129	1.41951	58.13689	ug/L	09/19/10	02:49	
61291-5L	Se	1.93790	0.87205	3.00374	77.78155	ug/L	09/19/10	02:49	
61291-5L	Sb	-0.77178	-3.54075	1.99719	507.38763	ug/L	09/19/10	02:49	
61291-5L	Sn	-0.97671	0.31865	-2.27207	187.56030	ug/L	09/19/10	02:49	
61291-5L	Sr	24.12327	24.37625	23.87029	1.48307	ug/L	09/19/10	02:49	
61291-5L	Ti	16.33426	16.76664	15.90188	3.74354	ug/L	09/19/10	02:49	
61291-5L	Tl	3.29545	1.72497	4.86592	67.39553	ug/L	09/19/10	02:49	
61291-5L	V	3.78895	3.00382	4.57408	29.30462	ug/L	09/19/10	02:49	
61291-5L	Zn	1.26976	1.49516	1.04436	25.10400	ug/L	09/19/10	02:49	
61291-5L	2203/1	3.18711	2.38920	3.98503	35.40579	ug/L	09/19/10	02:49	
61291-5L	2203/2	2.02263	3.90658	0.13867	131.72529	ug/L	09/19/10	02:49	
61291-5L	1960/1	-1.36470	-3.61308	0.88367	232.99505	ug/L	09/19/10	02:49	
61291-5L	1960/2	3.58673	3.11126	4.06219	18.74708	ug/L	09/19/10	02:49	
61291-5L	Y	960.04681	961.69677	958.39685	0.24305		09/19/10	02:49	
61291-5A	Ag	49.28460	48.58671	49.98249	2.00257	ug/L	09/19/10	02:54	
61291-5A	Al	16428.01171	16390.86523	16465.15625	0.31976	ug/L	09/19/10	02:54	
61291-5A	2Al	16.42900	16.39143	16.46656	0.32335	mg/L	09/19/10	02:54	
61291-5A	As	2028.97192	2025.64440	2032.29956	0.23193	ug/L	09/19/10	02:54	
61291-5A	B	1046.26538	1045.10900	1047.42163	0.15629	ug/L	09/19/10	02:54	
61291-5A	Ba	2078.02099	2075.57910	2080.46264	0.16617	ug/L	09/19/10	02:54	
61291-5A	Be	51.16841	51.13133	51.20550	0.10249	ug/L	09/19/10	02:54	
61291-5A	Ca	5443.09472	5434.09277	5452.09667	0.23388	ug/L	09/19/10	02:54	
61291-5A	Cd	51.35750	51.41151	51.30348	0.14873	ug/L	09/19/10	02:54	
61291-5A	Co	510.58947	509.21087	511.96807	0.38184	ug/L	09/19/10	02:54	
61291-5A	Cr	226.73310	226.03440	227.43180	0.43580	ug/L	09/19/10	02:54	
61291-5A	Cu	259.63818	259.07806	260.19830	0.30508	ug/L	09/19/10	02:54	
61291-5A	Fe	4665.24023	4651.60644	4678.87353	0.41328	ug/L	09/19/10	02:54	
61291-5A	2Fe	4.66511	4.65147	4.67874	0.41328	mg/L	09/19/10	02:54	
61291-5A	K	5485.54785	5475.57617	5495.51953	0.25707	ug/L	09/19/10	02:54	
61291-5A	Mg	6712.55859	6703.00146	6722.11621	0.20135	ug/L	09/19/10	02:54	
61291-5A	2Mg	6.71008	6.70053	6.71963	0.20133	mg/L	09/19/10	02:54	
61291-5A	Mn	527.12426	525.98101	528.26745	0.30671	ug/L	09/19/10	02:54	
61291-5A	Mo	502.00042	501.35809	502.64279	0.18095	ug/L	09/19/10	02:54	
61291-5A	Na	12281.94531	12051.89355	12511.99707	2.64894	ug/L	09/19/10	02:54	
61291-5A	Ni	519.35278	518.50744	520.19805	0.23017	ug/L	09/19/10	02:54	
61291-5A	Pb	523.50012	521.63391	525.36633	0.50414	ug/L	09/19/10	02:54	
61291-5A	Se	2033.96972	2026.08886	2041.85070	0.54795	ug/L	09/19/10	02:54	
61291-5A	Sb	487.71313	483.40277	492.02352	1.24987	ug/L	09/19/10	02:54	
61291-5A	Sn	1036.56127	1032.93493	1040.18762	0.49475	ug/L	09/19/10	02:54	
61291-5A	Sr	646.96514	646.87359	647.05670	0.02001	ug/L	09/19/10	02:54	
61291-5A	Ti	1092.64086	1091.70178	1093.57995	0.12154	ug/L	09/19/10	02:54	
61291-5A	Tl	2108.62060	2105.99145	2111.24975	0.17633	ug/L	09/19/10	02:54	
61291-5A	V	515.94787	514.76641	517.12927	0.32382	ug/L	09/19/10	02:54	
61291-5A	Zn	522.21966	520.84893	523.59039	0.37120	ug/L	09/19/10	02:54	
61291-5A	2203/1	529.80438	528.12963	531.47912	0.44704	ug/L	09/19/10	02:54	
61291-5A	2203/2	520.35278	518.39093	522.31457	0.53318	ug/L	09/19/10	02:54	
61291-5A	1960/1	2012.22412	2002.81384	2021.63439	0.66136	ug/L	09/19/10	02:54	
61291-5A	1960/2	2044.82617	2037.70886	2051.94360	0.49224	ug/L	09/19/10	02:54	
61291-5A	Y	959.81549	959.97698	959.65399	0.02379		09/19/10	02:54	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	488.20944	491.93450	484.48437	1.07905	ug/L	09/19/10	02:59	
CCV	Al	4833.25732	4863.86865	4802.64599	0.89568	ug/L	09/19/10	02:59	
CCV	2Al	4.83338	4.86430	4.80246	0.90474	mg/L	09/19/10	02:59	
CCV	As	499.29534	503.50689	495.08380	1.19288	ug/L	09/19/10	02:59	
CCV	B	4925.30273	4939.74804	4910.85742	0.41477	ug/L	09/19/10	02:59	
CCV	Ba	4902.46777	4928.86865	4876.06640	0.76159	ug/L	09/19/10	02:59	
CCV	Be	494.00653	497.11346	490.89956	0.88943	ug/L	09/19/10	02:59	
CCV	Ca	4927.70214	4957.65136	4897.75244	0.85952	ug/L	09/19/10	02:59	
CCV	Cd	498.85736	503.26406	494.45068	1.24925	ug/L	09/19/10	02:59	
CCV	Co	490.66632	494.72427	486.60839	1.16959	ug/L	09/19/10	02:59	
CCV	Cr	4968.36132	5001.26123	4935.46093	0.93648	ug/L	09/19/10	02:59	
CCV	Cu	4872.13574	4901.90283	4842.36816	0.86404	ug/L	09/19/10	02:59	
CCV	Fe	4915.25390	4940.18554	4890.32226	0.71733	ug/L	09/19/10	02:59	
CCV	2Fe	4.91551	4.94044	4.89057	0.71734	mg/L	09/19/10	02:59	
CCV	K	9790.57519	9833.68750	9747.46289	0.62274	ug/L	09/19/10	02:59	
CCV	Mg	4997.73535	5026.60009	4968.87109	0.81678	ug/L	09/19/10	02:59	
CCV	2Mg	4.99773	5.02659	4.96886	0.81681	mg/L	09/19/10	02:59	
CCV	Mn	4958.70068	4989.14892	4928.25244	0.86837	ug/L	09/19/10	02:59	
CCV	Mo	502.96008	505.62188	500.29830	0.74843	ug/L	09/19/10	02:59	
CCV	Na	7409.61816	7233.18896	7586.04736	3.36736	ug/L	09/19/10	02:59	
CCV	Ni	2489.09521	2505.84643	2472.34375	0.95175	ug/L	09/19/10	02:59	
CCV	Pb	505.50921	510.53335	500.48507	1.40555	ug/L	09/19/10	02:59	
CCV	Se	5014.12304	5051.03417	4977.21142	1.04107	ug/L	09/19/10	02:59	
CCV	Sb	493.84609	496.35427	491.33792	0.71826	ug/L	09/19/10	02:59	
CCV	Sn	5019.16015	5057.54882	4980.77099	1.08165	ug/L	09/19/10	02:59	
CCV	Sr	2486.85546	2499.46630	2474.24487	0.71714	ug/L	09/19/10	02:59	
CCV	Ti	490.94122	493.92663	487.95581	0.85998	ug/L	09/19/10	02:59	
CCV	Tl	5061.95800	5098.85693	5025.05859	1.03089	ug/L	09/19/10	02:59	
CCV	V	4918.81542	4948.32666	4889.30371	0.84848	ug/L	09/19/10	02:59	
CCV	Zn	2502.98681	2520.92700	2485.04687	1.01363	ug/L	09/19/10	02:59	
CCV	2203/1	504.89392	509.03753	500.75033	1.16062	ug/L	09/19/10	02:59	
CCV	2203/2	505.81213	511.27581	500.34844	1.52760	ug/L	09/19/10	02:59	
CCV	1960/1	4968.45312	4997.79736	4939.10888	0.83525	ug/L	09/19/10	02:59	
CCV	1960/2	5036.92382	5077.61279	4996.23437	1.14242	ug/L	09/19/10	02:59	
CCV	Y	961.77972	955.41119	968.14825	0.93643		09/19/10	02:59	
CCB	Ag	0.69990	0.67382	0.72598	5.26924	ug/L	09/19/10	03:05	
CCB	Al	11.25993	9.52519	12.99468	21.78787	ug/L	09/19/10	03:05	
CCB	2Al	0.01126	0.00952	0.01299	21.78780	mg/L	09/19/10	03:05	
CCB	As	0.14052	0.65304	-0.37199	515.80322	ug/L	09/19/10	03:05	
CCB	B	37.51569	40.47828	34.55310	11.16794	ug/L	09/19/10	03:05	
CCB	Ba	0.83112	0.22980	1.43244	102.31879	ug/L	09/19/10	03:05	
CCB	Be	0.08518	0.03205	0.13831	88.20275	ug/L	09/19/10	03:05	
CCB	Ca	1.58201	1.51421	1.64981	6.06102	ug/L	09/19/10	03:05	
CCB	Cd	-0.04923	-0.03007	-0.06839	55.03993	ug/L	09/19/10	03:05	
CCB	Co	-0.65390	-0.83769	-0.47010	39.74968	ug/L	09/19/10	03:05	
CCB	Cr	0.09913	-0.62531	0.82359	1033.44738	ug/L	09/19/10	03:05	
CCB	Cu	0.05198	-0.49891	0.60288	1498.66650	ug/L	09/19/10	03:05	
CCB	Fe	2.92864	-0.87190	6.72920	183.52482	ug/L	09/19/10	03:05	
CCB	2Fe	0.00292	-0.00087	0.00672	183.53610	mg/L	09/19/10	03:05	
CCB	K	2.78118	-5.22439	10.78675	407.07852	ug/L	09/19/10	03:05	
CCB	Mg	1.33534	1.32992	1.34077	0.57455	ug/L	09/19/10	03:05	
CCB	2Mg	0.00133	0.00132	0.00133	0.53440	mg/L	09/19/10	03:05	
CCB	Mn	0.90352	0.27299	1.53405	98.69123	ug/L	09/19/10	03:05	
CCB	Mo	-0.40952	-0.29639	-0.52265	39.06804	ug/L	09/19/10	03:05	
CCB	Na	-119.20292	-71.88759	-166.51824	56.13451	ug/L	09/19/10	03:05	
CCB	Ni	0.88924	-0.06303	1.84152	151.44580	ug/L	09/19/10	03:05	
CCB	Pb	-0.14628	-0.74732	0.45476	581.07403	ug/L	09/19/10	03:05	
CCB	Se	5.01473	6.04457	3.98488	29.04282	ug/L	09/19/10	03:05	
CCB	Sb	-0.40941	-3.11802	2.29920	935.62005	ug/L	09/19/10	03:05	
CCB	Sn	-0.48664	-1.36764	0.39434	256.02011	ug/L	09/19/10	03:05	
CCB	Sr	0.41190	0.13540	0.68840	94.93096	ug/L	09/19/10	03:05	
CCB	Ti	0.17977	0.42277	-0.06323	191.16339	ug/L	09/19/10	03:05	
CCB	Tl	8.17105	7.99351	8.34860	3.07279	ug/L	09/19/10	03:05	
CCB	V	1.14584	0.61741	1.67426	65.21889	ug/L	09/19/10	03:05	
CCB	Zn	0.24329	0.12670	0.35989	67.77256	ug/L	09/19/10	03:05	
CCB	2203/1	2.92539	2.11639	3.73438	39.10908	ug/L	09/19/10	03:05	
CCB	2203/2	-1.67981	-2.17703	-1.18259	41.86044	ug/L	09/19/10	03:05	
CCB	1960/1	6.62053	9.60320	3.63786	63.71282	ug/L	09/19/10	03:05	
CCB	1960/2	4.21303	4.26793	4.15814	1.84271	ug/L	09/19/10	03:05	
CCB	Y	953.02795	954.51202	951.54382	0.22022		09/19/10	03:05	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61291-5S	Ag	47.91416	47.96995	47.85836	0.16467	ug/L	09/19/10	03:10	
61291-5S	Al	29910.50781	30001.76757	29819.25000	0.43148	ug/L	09/19/10	03:10	
61291-5S	2Al	29.91159	30.00120	29.82197	0.42369	mg/L	09/19/10	03:10	
61291-5S	As	1958.05761	1965.33911	1950.77612	0.52590	ug/L	09/19/10	03:10	
61291-5S	B	1049.17895	1054.30505	1044.05285	0.69095	ug/L	09/19/10	03:10	
61291-5S	Ba	2016.93017	2025.88659	2007.97387	0.62799	ug/L	09/19/10	03:10	
61291-5S	Be	49.74481	49.99861	49.49102	0.72151	ug/L	09/19/10	03:10	
61291-5S	Ca	5361.53417	5384.95605	5338.11230	0.61779	ug/L	09/19/10	03:10	
61291-5S	Cd	49.80368	50.38851	49.21884	1.66068	ug/L	09/19/10	03:10	
61291-5S	Co	495.59005	497.99740	493.18270	0.68695	ug/L	09/19/10	03:10	
61291-5S	Cr	228.70819	229.55998	227.85639	0.52670	ug/L	09/19/10	03:10	
61291-5S	Cu	253.23806	254.69697	251.77914	0.81473	ug/L	09/19/10	03:10	
61291-5S	Fe	5970.49804	6004.63427	5936.36132	0.80858	ug/L	09/19/10	03:10	
61291-5S	2Fe	5.97026	6.00440	5.93613	0.80856	mg/L	09/19/10	03:10	
61291-5S	K	5495.72363	5506.64550	5484.80175	0.28105	ug/L	09/19/10	03:10	
61291-5S	Mg	6793.62255	6828.54638	6758.69873	0.72700	ug/L	09/19/10	03:10	
61291-5S	2Mg	6.79088	6.82579	6.75598	0.72698	mg/L	09/19/10	03:10	
61291-5S	Mn	512.29846	514.33593	510.26092	0.56245	ug/L	09/19/10	03:10	
61291-5S	Mo	500.94262	501.83261	500.05261	0.25125	ug/L	09/19/10	03:10	
61291-5S	Na	11841.33105	11883.13964	11799.52246	0.49932	ug/L	09/19/10	03:10	
61291-5S	Ni	502.20190	503.07705	501.32678	0.24644	ug/L	09/19/10	03:10	
61291-5S	Pb	506.28875	507.92919	504.64828	0.45822	ug/L	09/19/10	03:10	
61291-5S	Se	1961.82836	1969.99060	1953.66625	0.58838	ug/L	09/19/10	03:10	
61291-5S	Sb	457.86853	459.21078	456.52624	0.41458	ug/L	09/19/10	03:10	
61291-5S	Sn	1010.39636	1014.87695	1005.91571	0.62713	ug/L	09/19/10	03:10	
61291-5S	Sr	656.05786	658.48291	653.63275	0.52275	ug/L	09/19/10	03:10	
61291-5S	Ti	724.96331	728.52148	721.40515	0.69410	ug/L	09/19/10	03:10	
61291-5S	Tl	2046.80114	2054.74096	2038.86132	0.54859	ug/L	09/19/10	03:10	
61291-5S	V	506.54541	508.26821	504.82263	0.48098	ug/L	09/19/10	03:10	
61291-5S	Zn	504.97558	507.13897	502.81216	0.60587	ug/L	09/19/10	03:10	
61291-5S	2203/1	510.67248	511.55062	509.79434	0.24318	ug/L	09/19/10	03:10	
61291-5S	2203/2	504.10015	506.12118	502.07910	0.56698	ug/L	09/19/10	03:10	
61291-5S	1960/1	1945.62756	1954.64135	1936.61376	0.65518	ug/L	09/19/10	03:10	
61291-5S	1960/2	1969.91674	1977.65380	1962.17980	0.55544	ug/L	09/19/10	03:10	
61291-5S	Y	965.05786	960.49206	969.62365	0.66908		09/19/10	03:10	
61291-5SD	Ag	46.84503	46.31888	47.37119	1.58842	ug/L	09/19/10	03:15	
61291-5SD	Al	29699.74218	29605.55859	29793.92773	0.44847	ug/L	09/19/10	03:15	
61291-5SD	2Al	29.70040	29.60723	29.79357	0.44362	mg/L	09/19/10	03:15	
61291-5SD	As	1898.90527	1894.79809	1903.01245	0.30588	ug/L	09/19/10	03:15	
61291-5SD	B	1022.36071	1019.03289	1025.68847	0.46032	ug/L	09/19/10	03:15	
61291-5SD	Ba	1957.97570	1952.90991	1963.04150	0.36589	ug/L	09/19/10	03:15	
61291-5SD	Be	48.28165	48.17542	48.38788	0.31115	ug/L	09/19/10	03:15	
61291-5SD	Ca	5156.66894	5138.26513	5175.07226	0.50471	ug/L	09/19/10	03:15	
61291-5SD	Cd	48.01918	47.82785	48.21050	0.56347	ug/L	09/19/10	03:15	
61291-5SD	Co	480.36297	479.31698	481.40899	0.30794	ug/L	09/19/10	03:15	
61291-5SD	Cr	221.40386	220.60795	222.19979	0.50839	ug/L	09/19/10	03:15	
61291-5SD	Cu	245.26675	243.90824	246.62527	0.78332	ug/L	09/19/10	03:15	
61291-5SD	Fe	5848.13134	5823.81982	5872.44287	0.58790	ug/L	09/19/10	03:15	
61291-5SD	2Fe	5.84790	5.82359	5.87221	0.58789	mg/L	09/19/10	03:15	
61291-5SD	K	5295.69140	5281.59179	5309.79150	0.37653	ug/L	09/19/10	03:15	
61291-5SD	Mg	6618.98583	6604.59277	6633.37890	0.30752	ug/L	09/19/10	03:15	
61291-5SD	2Mg	6.61631	6.60193	6.63070	0.30747	mg/L	09/19/10	03:15	
61291-5SD	Mn	496.79296	495.39508	498.19085	0.39793	ug/L	09/19/10	03:15	
61291-5SD	Mo	489.44281	485.84274	493.04290	1.04022	ug/L	09/19/10	03:15	
61291-5SD	Na	11319.40234	11349.84570	11288.95800	0.38035	ug/L	09/19/10	03:15	
61291-5SD	Ni	489.23822	488.40124	490.07516	0.24193	ug/L	09/19/10	03:15	
61291-5SD	Pb	493.85583	492.24008	495.47155	0.46268	ug/L	09/19/10	03:15	
61291-5SD	Se	1915.70227	1912.17199	1919.23254	0.26061	ug/L	09/19/10	03:15	
61291-5SD	Sb	448.51953	449.42672	447.61230	0.28605	ug/L	09/19/10	03:15	
61291-5SD	Sn	984.39514	980.17687	988.61334	0.60600	ug/L	09/19/10	03:15	
61291-5SD	Sr	640.45043	638.77569	642.12512	0.36980	ug/L	09/19/10	03:15	
61291-5SD	Ti	708.74792	706.48052	711.01525	0.45242	ug/L	09/19/10	03:15	
61291-5SD	Tl	1997.89599	1990.03662	2005.75524	0.55632	ug/L	09/19/10	03:15	
61291-5SD	V	493.11383	492.24789	493.97973	0.24833	ug/L	09/19/10	03:15	
61291-5SD	Zn	488.63940	487.28125	489.99752	0.39307	ug/L	09/19/10	03:15	
61291-5SD	2203/1	497.72332	495.16558	500.28106	0.72674	ug/L	09/19/10	03:15	
61291-5SD	2203/2	491.92498	490.77954	493.07040	0.32929	ug/L	09/19/10	03:15	
61291-5SD	1960/1	1882.88208	1878.69274	1887.07141	0.31465	ug/L	09/19/10	03:15	
61291-5SD	1960/2	1932.08789	1928.88659	1935.28906	0.23431	ug/L	09/19/10	03:15	
61291-5SD	Y	968.91650	970.20855	967.62445	0.18858		09/19/10	03:15	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61291-6	Ag	-0.34039	-0.46383	-0.21695	51.28533	ug/L	09/19/10	03:20	
61291-6	Al	35290.54687	35303.21093	35277.87890	0.05075	ug/L	09/19/10	03:20	
61291-6	2Al	35.29164	35.30337	35.27990	0.04702	mg/L	09/19/10	03:20	
61291-6	As	13.87258	11.96536	15.77980	19.44280	ug/L	09/19/10	03:20	
61291-6	B	55.80784	56.96576	54.64993	2.93424	ug/L	09/19/10	03:20	
61291-6	Ba	100.65567	100.49860	100.81273	0.22067	ug/L	09/19/10	03:20	
61291-6	Be	0.38094	0.37709	0.38479	1.42899	ug/L	09/19/10	03:20	
61291-6	Ca	3694.51684	3696.72680	3692.30688	0.08459	ug/L	09/19/10	03:20	
61291-6	Cd	-0.84574	-0.77281	-0.91868	12.19568	ug/L	09/19/10	03:20	
61291-6	Co	0.79227	1.76108	-0.17653	172.93334	ug/L	09/19/10	03:20	
61291-6	Cr	48.32174	48.88478	47.75870	1.64781	ug/L	09/19/10	03:20	
61291-6	Cu	9.65457	9.70223	9.60690	0.69823	ug/L	09/19/10	03:20	
61291-6	Fe	6301.61376	6305.68505	6297.54248	0.09136	ug/L	09/19/10	03:20	
61291-6	2Fe	6.30115	6.30522	6.29708	0.09137	mg/L	09/19/10	03:20	
61291-6	K	813.24237	816.94934	809.53540	0.64463	ug/L	09/19/10	03:20	
61291-6	Mg	2444.15405	2446.65942	2441.64868	0.14496	ug/L	09/19/10	03:20	
61291-6	2Mg	2.44236	2.44486	2.43985	0.14498	mg/L	09/19/10	03:20	
61291-6	Mn	14.84577	14.87554	14.81599	0.28361	ug/L	09/19/10	03:20	
61291-6	Mo	3.12697	3.65233	2.60161	23.76005	ug/L	09/19/10	03:20	
61291-6	Na	6057.05859	6004.45556	6109.66113	1.22817	ug/L	09/19/10	03:20	
61291-6	Ni	11.34958	10.95038	11.74877	4.97418	ug/L	09/19/10	03:20	
61291-6	Pb	38.31790	38.40421	38.23158	0.31855	ug/L	09/19/10	03:20	
61291-6	Se	3.54845	5.83970	1.25720	91.31636	ug/L	09/19/10	03:20	
61291-6	Sb	1.49181	-1.48222	4.46585	281.93353	ug/L	09/19/10	03:20	
61291-6	Sn	-0.58181	0.13408	-1.29771	174.01409	ug/L	09/19/10	03:20	
61291-6	Sr	405.35809	405.48022	405.23599	0.04260	ug/L	09/19/10	03:20	
61291-6	Ti	157.71890	158.01423	157.42358	0.26480	ug/L	09/19/10	03:20	
61291-6	Tl	1.66074	1.53866	1.78282	10.39568	ug/L	09/19/10	03:20	
61291-6	V	43.03044	42.50394	43.55693	1.73034	ug/L	09/19/10	03:20	
61291-6	Zn	9.44854	9.72105	9.17603	4.07879	ug/L	09/19/10	03:20	
61291-6	2203/1	45.70816	47.21360	44.20271	4.65785	ug/L	09/19/10	03:20	
61291-6	2203/2	34.62830	34.00611	35.25049	2.54100	ug/L	09/19/10	03:20	
61291-6	1960/1	3.21168	2.81023	3.61313	17.67712	ug/L	09/19/10	03:20	
61291-6	1960/2	3.71658	7.35216	0.08100	138.33908	ug/L	09/19/10	03:20	
61291-6	Y	960.23010	958.69366	961.76660	0.22628		09/19/10	03:20	
61291-7	Ag	-0.04411	-0.11863	0.03041	238.94654	ug/L	09/19/10	03:25	
61291-7	Al	8631.61328	8637.33789	8625.88769	0.09380	ug/L	09/19/10	03:25	
61291-7	2Al	8.63194	8.63777	8.62611	0.09550	mg/L	09/19/10	03:25	
61291-7	As	8.08153	7.35128	8.81177	12.77876	ug/L	09/19/10	03:25	
61291-7	B	40.30518	40.74238	39.86799	1.53401	ug/L	09/19/10	03:25	
61291-7	Ba	23.97842	24.02645	23.93039	0.28329	ug/L	09/19/10	03:25	
61291-7	Be	0.17074	0.14558	0.19590	20.84097	ug/L	09/19/10	03:25	
61291-7	Ca	6477.36718	6481.00439	6473.72998	0.07941	ug/L	09/19/10	03:25	
61291-7	Cd	-0.42856	-0.33503	-0.52209	30.86265	ug/L	09/19/10	03:25	
61291-7	Co	0.22112	-0.17616	0.61842	254.08912	ug/L	09/19/10	03:25	
61291-7	Cr	12.73239	12.88543	12.57936	1.69982	ug/L	09/19/10	03:25	
61291-7	Cu	1.17582	1.06195	1.28969	13.69515	ug/L	09/19/10	03:25	
61291-7	Fe	2886.92187	2887.23803	2886.60546	0.01549	ug/L	09/19/10	03:25	
61291-7	2Fe	2.88670	2.88702	2.88639	0.01548	mg/L	09/19/10	03:25	
61291-7	K	229.80786	226.40652	233.20918	2.09314	ug/L	09/19/10	03:25	
61291-7	Mg	2120.04394	2120.87622	2119.21191	0.05551	ug/L	09/19/10	03:25	
61291-7	2Mg	2.11894	2.11977	2.11811	0.05552	mg/L	09/19/10	03:25	
61291-7	Mn	12.86845	12.88862	12.84829	0.22158	ug/L	09/19/10	03:25	
61291-7	Mo	0.75308	-0.44736	1.95353	225.43211	ug/L	09/19/10	03:25	
61291-7	Na	1706.51269	1792.82922	1620.19616	7.15318	ug/L	09/19/10	03:25	
61291-7	Ni	8.08946	7.58773	8.59120	8.77138	ug/L	09/19/10	03:25	
61291-7	Pb	7.14881	7.21557	7.08204	1.32081	ug/L	09/19/10	03:25	
61291-7	Se	0.01148	-0.97429	0.99726	12138.19531	ug/L	09/19/10	03:25	
61291-7	Sb	-2.95090	-4.45936	-1.44244	72.29257	ug/L	09/19/10	03:25	
61291-7	Sn	-2.87858	-2.72969	-3.02747	7.31493	ug/L	09/19/10	03:25	
61291-7	Sr	140.14303	140.48545	139.80062	0.34553	ug/L	09/19/10	03:25	
61291-7	Ti	50.94219	50.59720	51.28718	0.95773	ug/L	09/19/10	03:25	
61291-7	Tl	0.78678	2.83924	-1.26568	368.92324	ug/L	09/19/10	03:25	
61291-7	V	11.13722	10.97759	11.29686	2.02703	ug/L	09/19/10	03:25	
61291-7	Zn	6.32327	6.17805	6.46850	3.24800	ug/L	09/19/10	03:25	
61291-7	2203/1	9.08799	7.46128	10.71469	25.31368	ug/L	09/19/10	03:25	
61291-7	2203/2	6.18067	7.09290	5.26844	20.87298	ug/L	09/19/10	03:25	
61291-7	1960/1	-4.99001	-8.70297	-1.27705	105.22858	ug/L	09/19/10	03:25	
61291-7	1960/2	2.50848	2.88425	2.13271	21.18497	ug/L	09/19/10	03:25	
61291-7	Y	951.75329	952.01519	951.49139	0.03891		09/19/10	03:25	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61291-8	Ag	0.29951	0.66828	-0.06926	174.12507	ug/L	09/19/10	03:31	
61291-8	Al	4606.13671	4604.29248	4607.98095	0.05662	ug/L	09/19/10	03:31	
61291-8	2Al	4.60659	4.60474	4.60843	0.05662	mg/L	09/19/10	03:31	
61291-8	As	3.67257	4.18668	3.15847	19.79671	ug/L	09/19/10	03:31	
61291-8	B	116.93206	118.61122	115.25291	2.03082	ug/L	09/19/10	03:31	
61291-8	Ba	14.07521	13.99334	14.15709	0.82262	ug/L	09/19/10	03:31	
61291-8	Be	0.08827	0.10000	0.07654	18.78904	ug/L	09/19/10	03:31	
61291-8	Ca	404.98818	404.64611	405.33026	0.11945	ug/L	09/19/10	03:31	
61291-8	Cd	-0.23623	-0.30280	-0.16966	39.85057	ug/L	09/19/10	03:31	
61291-8	Co	0.10761	0.27658	-0.06136	222.06752	ug/L	09/19/10	03:31	
61291-8	Cr	7.55706	7.44426	7.66987	2.11102	ug/L	09/19/10	03:31	
61291-8	Cu	1.21574	0.53366	1.89782	79.34300	ug/L	09/19/10	03:31	
61291-8	Fe	1865.79174	1851.85546	1879.72814	1.05633	ug/L	09/19/10	03:31	
61291-8	2Fe	1.86565	1.85171	1.87958	1.05632	mg/L	09/19/10	03:31	
61291-8	K	211.46939	197.51911	225.41967	9.32932	ug/L	09/19/10	03:31	
61291-8	Mg	1076.98754	1072.05957	1081.91552	0.64710	ug/L	09/19/10	03:31	
61291-8	2Mg	1.07635	1.07143	1.08128	0.64697	mg/L	09/19/10	03:31	
61291-8	Mn	9.41200	9.46393	9.36007	0.78020	ug/L	09/19/10	03:31	
61291-8	Mo	-0.59309	-0.14522	-1.04095	106.79221	ug/L	09/19/10	03:31	
61291-8	Na	3084.77270	3023.50976	3146.03564	2.80859	ug/L	09/19/10	03:31	
61291-8	Ni	9.84708	9.07350	10.62067	11.10997	ug/L	09/19/10	03:31	
61291-8	Pb	5.78200	5.67868	5.88532	2.52712	ug/L	09/19/10	03:31	
61291-8	Se	0.29160	1.41990	-0.83670	547.20819	ug/L	09/19/10	03:31	
61291-8	Sb	-1.64894	-2.75262	-0.54526	94.65674	ug/L	09/19/10	03:31	
61291-8	Sn	-2.58005	-0.66117	-4.49893	105.18022	ug/L	09/19/10	03:31	
61291-8	Sr	31.90938	31.91921	31.89954	0.04360	ug/L	09/19/10	03:31	
61291-8	Ti	44.76677	45.23805	44.29549	1.48880	ug/L	09/19/10	03:31	
61291-8	Tl	2.63664	-0.39624	5.66953	162.67448	ug/L	09/19/10	03:31	
61291-8	V	5.64746	5.27091	6.02400	9.42921	ug/L	09/19/10	03:31	
61291-8	Zn	12.27713	12.36626	12.18799	1.02673	ug/L	09/19/10	03:31	
61291-8	2203/1	5.13307	5.22086	5.04528	2.41870	ug/L	09/19/10	03:31	
61291-8	2203/2	6.10598	5.90725	6.30472	4.60289	ug/L	09/19/10	03:31	
61291-8	1960/1	-1.35517	0.89955	-3.60990	235.29521	ug/L	09/19/10	03:31	
61291-8	1960/2	1.11375	1.67969	0.54781	71.86106	ug/L	09/19/10	03:31	
61291-8	Y	959.33532	961.22534	957.44525	0.27862		09/19/10	03:31	
61291-9	Ag	0.15297	-0.36553	0.67149	479.33901	ug/L	09/19/10	03:36	
61291-9	Al	4084.05102	4088.73608	4079.36596	0.16223	ug/L	09/19/10	03:36	
61291-9	2Al	4.08434	4.08913	4.07956	0.16582	mg/L	09/19/10	03:36	
61291-9	As	-0.87591	-0.17496	-1.57686	113.17206	ug/L	09/19/10	03:36	
61291-9	B	40.97009	40.12098	41.81919	2.93096	ug/L	09/19/10	03:36	
61291-9	Ba	13.44538	13.34295	13.54781	1.07739	ug/L	09/19/10	03:36	
61291-9	Be	0.09435	0.09079	0.09790	5.33351	ug/L	09/19/10	03:36	
61291-9	Ca	274.16033	274.68588	273.63476	0.27110	ug/L	09/19/10	03:36	
61291-9	Cd	-0.20088	-0.31857	-0.08319	82.85356	ug/L	09/19/10	03:36	
61291-9	Co	0.14393	-0.60382	0.89169	734.71313	ug/L	09/19/10	03:36	
61291-9	Cr	6.91118	6.81350	7.00887	1.99883	ug/L	09/19/10	03:36	
61291-9	Cu	0.79242	0.23879	1.34606	98.80501	ug/L	09/19/10	03:36	
61291-9	Fe	1867.43762	1867.94580	1866.92944	0.03848	ug/L	09/19/10	03:36	
61291-9	2Fe	1.86730	1.86780	1.86679	0.03846	mg/L	09/19/10	03:36	
61291-9	K	154.02386	149.27876	158.76895	4.35684	ug/L	09/19/10	03:36	
61291-9	Mg	1086.18835	1084.73229	1087.64440	0.18957	ug/L	09/19/10	03:36	
61291-9	2Mg	1.08555	1.08410	1.08701	0.18964	mg/L	09/19/10	03:36	
61291-9	Mn	6.21883	6.20674	6.23093	0.27505	ug/L	09/19/10	03:36	
61291-9	Mo	-1.82408	-1.86128	-1.78688	2.88422	ug/L	09/19/10	03:36	
61291-9	Na	2703.00927	2860.59863	2545.41992	8.24506	ug/L	09/19/10	03:36	
61291-9	Ni	9.19703	9.68308	8.71097	7.47403	ug/L	09/19/10	03:36	
61291-9	Pb	3.72458	2.73479	4.71438	37.58226	ug/L	09/19/10	03:36	
61291-9	Se	2.30664	1.05393	3.55935	76.80413	ug/L	09/19/10	03:36	
61291-9	Sb	0.77333	-0.33861	1.88529	203.34519	ug/L	09/19/10	03:36	
61291-9	Sn	-3.89045	-4.21160	-3.56930	11.67422	ug/L	09/19/10	03:36	
61291-9	Sr	29.34438	29.36389	29.32487	0.09402	ug/L	09/19/10	03:36	
61291-9	Ti	38.98638	39.66499	38.30776	2.46164	ug/L	09/19/10	03:36	
61291-9	Tl	-2.65125	-8.08449	2.78198	289.81637	ug/L	09/19/10	03:36	
61291-9	V	6.10857	6.08105	6.13609	0.63709	ug/L	09/19/10	03:36	
61291-9	Zn	5.07683	5.21924	4.93442	3.96693	ug/L	09/19/10	03:36	
61291-9	2203/1	4.40937	2.47825	6.34048	61.93655	ug/L	09/19/10	03:36	
61291-9	2203/2	3.38271	2.86286	3.90255	21.73313	ug/L	09/19/10	03:36	
61291-9	1960/1	-3.61087	-7.95956	0.73780	170.31776	ug/L	09/19/10	03:36	
61291-9	1960/2	5.26097	5.55392	4.96801	7.87504	ug/L	09/19/10	03:36	
61291-9	Y	957.37542	957.41906	957.33178	0.00644		09/19/10	03:36	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61291-10	Ag	0.55219	0.32985	0.77454	56.94374	ug/L	09/19/10	03:41	
61291-10	Al	9415.79882	9446.85546	9384.74218	0.46645	ug/L	09/19/10	03:41	
61291-10	2Al	9.41620	9.44715	9.38524	0.46490	mg/L	09/19/10	03:41	
61291-10	As	2.37536	1.43611	3.31461	55.91977	ug/L	09/19/10	03:41	
61291-10	B	124.55276	124.55077	124.55476	0.00226	ug/L	09/19/10	03:41	
61291-10	Ba	23.40293	23.38427	23.42159	0.11276	ug/L	09/19/10	03:41	
61291-10	Be	0.14861	0.12259	0.17462	24.75244	ug/L	09/19/10	03:41	
61291-10	Ca	335.15844	335.41592	334.90100	0.10863	ug/L	09/19/10	03:41	
61291-10	Cd	-0.36358	-0.51397	-0.21319	58.49500	ug/L	09/19/10	03:41	
61291-10	Co	0.89145	0.58225	1.20065	49.05150	ug/L	09/19/10	03:41	
61291-10	Cr	12.96226	13.04920	12.87533	0.94848	ug/L	09/19/10	03:41	
61291-10	Cu	4.62111	4.51911	4.72310	3.12140	ug/L	09/19/10	03:41	
61291-10	Fe	2950.88378	2953.90869	2947.85864	0.14497	ug/L	09/19/10	03:41	
61291-10	2Fe	2.95066	2.95369	2.94764	0.14496	mg/L	09/19/10	03:41	
61291-10	K	233.44381	219.21449	247.67312	8.62018	ug/L	09/19/10	03:41	
61291-10	Mg	1469.34094	1472.46093	1466.22094	0.30029	ug/L	09/19/10	03:41	
61291-10	2Mg	1.46841	1.47152	1.46529	0.30034	mg/L	09/19/10	03:41	
61291-10	Mn	6.85011	6.85887	6.84134	0.18097	ug/L	09/19/10	03:41	
61291-10	Mo	0.45708	2.33535	-1.42117	581.12646	ug/L	09/19/10	03:41	
61291-10	Na	2892.56445	2701.11791	3084.01123	9.36008	ug/L	09/19/10	03:41	
61291-10	Ni	9.78699	9.08489	10.48909	10.14531	ug/L	09/19/10	03:41	
61291-10	Pb	7.05226	7.41789	6.68663	7.33202	ug/L	09/19/10	03:41	
61291-10	Se	5.32424	4.88582	5.76266	11.64520	ug/L	09/19/10	03:41	
61291-10	Sb	1.24431	-3.30981	5.79843	517.59649	ug/L	09/19/10	03:41	
61291-10	Sn	-1.33912	-3.49594	0.81769	227.77629	ug/L	09/19/10	03:41	
61291-10	Sr	51.39582	51.48770	51.30393	0.25283	ug/L	09/19/10	03:41	
61291-10	Ti	71.36882	71.27638	71.46126	0.18317	ug/L	09/19/10	03:41	
61291-10	Tl	3.08131	4.60368	1.55893	69.87164	ug/L	09/19/10	03:41	
61291-10	V	9.94300	9.09875	10.78725	12.00792	ug/L	09/19/10	03:41	
61291-10	Zn	5.64013	5.45147	5.82878	4.73025	ug/L	09/19/10	03:41	
61291-10	2203/1	11.16155	11.43447	10.88863	3.45801	ug/L	09/19/10	03:41	
61291-10	2203/2	5.00070	5.41261	4.58879	11.64893	ug/L	09/19/10	03:41	
61291-10	1960/1	3.87500	2.33935	5.41064	56.04479	ug/L	09/19/10	03:41	
61291-10	1960/2	6.04778	6.15715	5.93841	2.55755	ug/L	09/19/10	03:41	
61291-10	Y	950.71881	948.69781	952.73980	0.30062		09/19/10	03:41	
CCV	Ag	484.10668	488.62850	479.58489	1.32094	ug/L	09/19/10	03:46	
CCV	Al	4792.90234	4823.64208	4762.16259	0.90701	ug/L	09/19/10	03:46	
CCV	2Al	4.79323	4.82386	4.76259	0.90394	mg/L	09/19/10	03:46	
CCV	As	495.43847	502.15518	488.72174	1.91726	ug/L	09/19/10	03:46	
CCV	B	4877.79394	4910.04296	4845.54541	0.93498	ug/L	09/19/10	03:46	
CCV	Ba	4864.37109	4899.21826	4829.52392	1.01310	ug/L	09/19/10	03:46	
CCV	Be	490.18798	493.81127	486.56469	1.04533	ug/L	09/19/10	03:46	
CCV	Ca	4885.26660	4919.05126	4851.48193	0.97801	ug/L	09/19/10	03:46	
CCV	Cd	495.11645	497.86602	492.36691	0.78536	ug/L	09/19/10	03:46	
CCV	Co	487.06396	490.02557	484.10232	0.85992	ug/L	09/19/10	03:46	
CCV	Cr	4927.25976	4963.30175	4891.21728	1.03447	ug/L	09/19/10	03:46	
CCV	Cu	4830.56152	4865.59912	4795.52392	1.02577	ug/L	09/19/10	03:46	
CCV	Fe	4863.32910	4899.03417	4827.62353	1.03827	ug/L	09/19/10	03:46	
CCV	2Fe	4.86358	4.89929	4.82787	1.03826	mg/L	09/19/10	03:46	
CCV	K	9746.79882	9811.23535	9682.36328	0.93493	ug/L	09/19/10	03:46	
CCV	Mg	4947.41308	4986.12207	4908.70410	1.10649	ug/L	09/19/10	03:46	
CCV	2Mg	4.94741	4.98612	4.90870	1.10647	mg/L	09/19/10	03:46	
CCV	Mn	4917.29785	4953.67187	4880.92333	1.04612	ug/L	09/19/10	03:46	
CCV	Mo	496.61193	500.64172	492.58215	1.14757	ug/L	09/19/10	03:46	
CCV	Na	7326.59179	7537.47607	7115.70703	4.07059	ug/L	09/19/10	03:46	
CCV	Ni	2469.16186	2485.62255	2452.70117	0.94278	ug/L	09/19/10	03:46	
CCV	Pb	500.00204	504.95272	495.05136	1.40025	ug/L	09/19/10	03:46	
CCV	Se	4965.15820	5017.71630	4912.60058	1.49699	ug/L	09/19/10	03:46	
CCV	Sb	486.55242	489.90786	483.19696	0.97529	ug/L	09/19/10	03:46	
CCV	Sn	4964.57958	5007.61523	4921.54394	1.22591	ug/L	09/19/10	03:46	
CCV	Sr	2474.00708	2496.10278	2451.91137	1.26305	ug/L	09/19/10	03:46	
CCV	Ti	485.75891	489.52185	481.99597	1.09552	ug/L	09/19/10	03:46	
CCV	Tl	5008.64208	5047.58203	4969.70214	1.09948	ug/L	09/19/10	03:46	
CCV	V	4868.87890	4903.27294	4834.48437	0.99901	ug/L	09/19/10	03:46	
CCV	Zn	2481.51220	2501.87646	2461.14794	1.16055	ug/L	09/19/10	03:46	
CCV	2203/1	499.41284	503.60543	495.22027	1.18723	ug/L	09/19/10	03:46	
CCV	2203/2	500.29196	505.62112	494.96279	1.50643	ug/L	09/19/10	03:46	
CCV	1960/1	4921.95166	4971.51855	4872.38476	1.42419	ug/L	09/19/10	03:46	
CCV	1960/2	4986.72949	5040.78076	4932.67822	1.53286	ug/L	09/19/10	03:46	
CCV	Y	958.43176	950.65332	966.21020	1.14774		09/19/10	03:46	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.00662	-0.11863	0.13188	2675.27563	ug/L	09/19/10	03:51	
CCB	Al	7.45783	6.04728	8.86838	26.74790	ug/L	09/19/10	03:51	
CCB	2Al	0.00745	0.00604	0.00886	26.74785	mg/L	09/19/10	03:51	
CCB	As	-3.22807	-2.22904	-4.22709	43.76701	ug/L	09/19/10	03:51	
CCB	B	37.83575	41.17503	34.49647	12.48145	ug/L	09/19/10	03:51	
CCB	Ba	0.85904	0.35637	1.36172	82.75329	ug/L	09/19/10	03:51	
CCB	Be	0.10181	0.04713	0.15650	75.95918	ug/L	09/19/10	03:51	
CCB	Ca	1.75824	0.40247	3.11401	109.04872	ug/L	09/19/10	03:51	
CCB	Cd	0.09356	-0.13245	0.31958	341.63226	ug/L	09/19/10	03:51	
CCB	Co	0.07700	-0.23028	0.38429	564.34887	ug/L	09/19/10	03:51	
CCB	Cr	0.87330	0.47844	1.26817	63.94380	ug/L	09/19/10	03:51	
CCB	Cu	0.79673	0.23850	1.35496	99.08615	ug/L	09/19/10	03:51	
CCB	Fe	6.22395	2.40963	10.03827	86.66937	ug/L	09/19/10	03:51	
CCB	2Fe	0.00622	0.00240	0.01003	86.66976	mg/L	09/19/10	03:51	
CCB	K	-6.26857	-11.67129	-0.86585	121.88734	ug/L	09/19/10	03:51	
CCB	Mg	-2.94508	1.33143	-7.22161	205.35627	ug/L	09/19/10	03:51	
CCB	2Mg	-0.00294	0.00133	-0.00722	205.33071	mg/L	09/19/10	03:51	
CCB	Mn	0.98494	0.39780	1.57209	84.30316	ug/L	09/19/10	03:51	
CCB	Mo	1.62909	0.91051	2.34767	62.37952	ug/L	09/19/10	03:51	
CCB	Na	-229.19235	-293.01638	-165.36833	39.38211	ug/L	09/19/10	03:51	
CCB	Ni	1.86218	1.95141	1.77296	6.77569	ug/L	09/19/10	03:51	
CCB	Pb	0.10345	-0.94893	1.15585	1438.57812	ug/L	09/19/10	03:51	
CCB	Se	4.28096	2.11407	6.44785	71.58300	ug/L	09/19/10	03:51	
CCB	Sb	-1.96393	-6.29783	2.36997	312.08175	ug/L	09/19/10	03:51	
CCB	Sn	2.14201	3.10984	1.17418	63.89867	ug/L	09/19/10	03:51	
CCB	Sr	0.49386	0.18720	0.80052	87.81434	ug/L	09/19/10	03:51	
CCB	Ti	0.37745	0.44423	0.31067	25.02091	ug/L	09/19/10	03:51	
CCB	Tl	8.33312	4.74284	11.92340	60.93058	ug/L	09/19/10	03:51	
CCB	V	1.53073	1.26567	1.79580	24.48863	ug/L	09/19/10	03:51	
CCB	Zn	0.45248	0.42317	0.48179	9.16057	ug/L	09/19/10	03:51	
CCB	2203/1	0.17721	-0.68638	1.04081	689.18145	ug/L	09/19/10	03:51	
CCB	2203/2	0.06663	-1.08001	1.21328	2433.58447	ug/L	09/19/10	03:51	
CCB	1960/1	-1.84431	-2.93861	-0.75000	83.91088	ug/L	09/19/10	03:51	
CCB	1960/2	7.33901	4.63663	10.04139	52.07430	ug/L	09/19/10	03:51	
CCB	Y	943.23284	942.91857	943.54711	0.04711		09/19/10	03:51	
61322-1 180221	Ag	3.52477	3.35621	3.69334	6.76317	ug/L	09/19/10	03:57	
61322-1 180221	Al	7648.35302	7653.64990	7643.05615	0.09794	ug/L	09/19/10	03:57	
61322-1 180221	2Al	7.64899	7.65418	7.64380	0.09594	mg/L	09/19/10	03:57	
61322-1 180221	As	73.52807	75.67739	71.37875	4.13393	ug/L	09/19/10	03:57	
61322-1 180221	B	202.76782	205.40461	200.13104	1.83903	ug/L	09/19/10	03:57	
61322-1 180221	Ba	2572.78393	2577.55786	2568.01000	0.26241	ug/L	09/19/10	03:57	
61322-1 180221	Be	0.26429	0.25955	0.26902	2.53347	ug/L	09/19/10	03:57	
61322-1 180221	Ca	900878.87500	901951.56250	899806.25000	0.16838	ug/L	09/19/10	03:57	
61322-1 180221	Cd	164.47741	164.72856	164.22628	0.21593	ug/L	09/19/10	03:57	
61322-1 180221	Co	128.61825	129.52769	127.70881	0.99996	ug/L	09/19/10	03:57	
61322-1 180221	Cr	16670.44531	16694.15820	16646.73437	0.20115	ug/L	09/19/10	03:57	
61322-1 180221	Cu	734.13360	735.51251	732.75469	0.26562	ug/L	09/19/10	03:57	
61322-1 180221	Fe	1523395.50000	1526448.25000	1520342.62500	0.28340	ug/L	09/19/10	03:57	
61322-1 180221	2Fe	1523.24194	1526.28710	1520.19665	0.28272	mg/L	09/19/10	03:57	
61322-1 180221	K	12644.06835	12654.98339	12633.15332	0.12208	ug/L	09/19/10	03:57	
61322-1 180221	Mg	28427.51562	28465.98046	28389.04882	0.19135	ug/L	09/19/10	03:57	
61322-1 180221	2Mg	28.15648	28.19441	28.11855	0.19049	mg/L	09/19/10	03:57	
61322-1 180221	Mn	10602.00781	10615.44628	10588.56933	0.17925	ug/L	09/19/10	03:57	
61322-1 180221	Mo	56.17902	53.71318	58.64486	6.20734	ug/L	09/19/10	03:57	
61322-1 180221	Na	75253.25000	75664.32812	74842.17187	0.77252	ug/L	09/19/10	03:57	
61322-1 180221	Ni	600.41003	602.16296	598.65710	0.41288	ug/L	09/19/10	03:57	
61322-1 180221	Pb	33909.94921	34097.13281	33722.76562	0.78064	ug/L	09/19/10	03:57	
61322-1 180221	Se	10.88115	13.40562	8.35668	32.81029	ug/L	09/19/10	03:57	
61322-1 180221	Sb	132.09881	133.77720	130.42041	1.79684	ug/L	09/19/10	03:57	
61322-1 180221	Sn	27.14418	29.04436	25.24401	9.89992	ug/L	09/19/10	03:57	
61322-1 180221	Sr	803.35882	804.61035	802.10729	0.22031	ug/L	09/19/10	03:57	
61322-1 180221	Ti	797.43261	799.13647	795.72882	0.30216	ug/L	09/19/10	03:57	
61322-1 180221	Tl	13.55058	12.31326	14.78789	12.91330	ug/L	09/19/10	03:57	
61322-1 180221	V	610.39904	612.23272	608.56542	0.42483	ug/L	09/19/10	03:57	
61322-1 180221	Zn	187092.81250	187657.85937	186527.78125	0.42710	ug/L	09/19/10	03:57	
61322-1 180221	2203/1	33723.17968	33885.40234	33560.96093	0.68028	ug/L	09/19/10	03:57	
61322-1 180221	2203/2	34003.19531	34202.83984	33803.54687	0.83034	ug/L	09/19/10	03:57	
61322-1 180221	1960/1	-7.21283	-8.30304	-6.12262	21.37566	ug/L	09/19/10	03:57	
61322-1 180221	1960/2	19.91458	24.24368	15.58548	30.74265	ug/L	09/19/10	03:57	
61322-1 180221	Y	927.64978	925.15301	930.14654	0.38063		09/19/10	03:57	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61322-2	Ag	5.54862	5.07501	6.02223	12.07116	ug/L	09/19/10	04:02	
61322-2	Al	10398.87890	10400.46777	10397.29003	0.02160	ug/L	09/19/10	04:02	
61322-2	2Al	10.39912	10.40104	10.39720	0.02611	mg/L	09/19/10	04:02	
61322-2	As	97.72585	95.71238	99.73931	2.91373	ug/L	09/19/10	04:02	
61322-2	B	225.97860	224.58988	227.36732	0.86908	ug/L	09/19/10	04:02	
61322-2	Ba	715.35668	715.13635	715.57696	0.04355	ug/L	09/19/10	04:02	
61322-2	Be	0.35272	0.34512	0.36033	3.04843	ug/L	09/19/10	04:02	
61322-2	Ca	566263.50000	565781.62500	566745.31250	0.12033	ug/L	09/19/10	04:02	
61322-2	Cd	309.63006	309.46292	309.79724	0.07634	ug/L	09/19/10	04:02	
61322-2	Co	114.93252	115.39123	114.47382	0.56442	ug/L	09/19/10	04:02	
61322-2	Cr	10786.40429	10775.95996	10796.84765	0.13693	ug/L	09/19/10	04:02	
61322-2	Cu	867.80932	867.69964	867.91894	0.01786	ug/L	09/19/10	04:02	
61322-2	Fe	2078742.75000	2078133.75000	2079351.62500	0.04142	ug/L	09/19/10	04:02	
61322-2	2Fe	2078.43652	2077.87426	2078.99902	0.03826	mg/L	09/19/10	04:02	
61322-2	K	15371.10644	15366.77929	15375.43359	0.03981	ug/L	09/19/10	04:02	
61322-2	Mg	21057.15429	21035.64843	21078.66015	0.14443	ug/L	09/19/10	04:02	
61322-2	2Mg	20.69166	20.67025	20.71306	0.14629	mg/L	09/19/10	04:02	
61322-2	Mn	12974.57714	12964.48632	12984.66796	0.10998	ug/L	09/19/10	04:02	
61322-2	Mo	72.03390	70.98661	73.08119	2.05611	ug/L	09/19/10	04:02	
61322-2	Na	213017.67187	211956.65625	214078.68750	0.70440	ug/L	09/19/10	04:02	
61322-2	Ni	463.03100	462.61395	463.44805	0.12737	ug/L	09/19/10	04:02	
61322-2	Pb	24972.33593	24969.38671	24975.28320	0.01669	ug/L	09/19/10	04:02	
61322-2	Se	16.29864	16.03101	16.56626	2.32214	ug/L	09/19/10	04:02	
61322-2	Sb	117.43892	116.12847	118.74937	1.57805	ug/L	09/19/10	04:02	
61322-2	Sn	42.86908	42.97040	42.76775	0.33426	ug/L	09/19/10	04:02	
61322-2	Sr	543.52429	543.94909	543.09948	0.11053	ug/L	09/19/10	04:02	
61322-2	Ti	1554.01635	1552.93334	1555.09924	0.09855	ug/L	09/19/10	04:02	
61322-2	Tl	10.25572	11.06413	9.44731	11.14756	ug/L	09/19/10	04:02	
61322-2	V	516.55908	515.48950	517.62872	0.29283	ug/L	09/19/10	04:02	
61322-2	Zn	438852.37500	438548.50000	439156.21875	0.09791	ug/L	09/19/10	04:02	
61322-2	2203/1	24931.48437	24962.71289	24900.25390	0.17714	ug/L	09/19/10	04:02	
61322-2	2203/2	24992.73046	24972.71875	25012.74218	0.11323	ug/L	09/19/10	04:02	
61322-2	1960/1	-0.10984	-3.11632	2.89662	3870.55859	ug/L	09/19/10	04:02	
61322-2	1960/2	24.49058	25.59033	23.39084	6.35050	ug/L	09/19/10	04:02	
61322-2	Y	900.94909	901.16296	900.73516	0.03357		09/19/10	04:02	
61322-3	Ag	2.36590	2.32345	2.40835	2.53738	ug/L	09/19/10	04:07	
61322-3	Al	25460.59375	25460.43164	25460.75781	0.00090	ug/L	09/19/10	04:07	
61322-3	2Al	25.46161	25.46293	25.46029	0.00734	mg/L	09/19/10	04:07	
61322-3	As	77.52256	78.79529	76.24982	2.32180	ug/L	09/19/10	04:07	
61322-3	B	141.88516	142.26435	141.50596	0.37795	ug/L	09/19/10	04:07	
61322-3	Ba	1442.36328	1443.10803	1441.61853	0.07302	ug/L	09/19/10	04:07	
61322-3	Be	0.29977	0.28779	0.31176	5.65312	ug/L	09/19/10	04:07	
61322-3	Ca	308021.43750	308028.84375	308014.06250	0.00339	ug/L	09/19/10	04:07	
61322-3	Cd	93.74191	93.42220	94.06163	0.48232	ug/L	09/19/10	04:07	
61322-3	Co	63.59749	63.34828	63.84670	0.55416	ug/L	09/19/10	04:07	
61322-3	Cr	21264.51953	21259.01562	21270.02148	0.03659	ug/L	09/19/10	04:07	
61322-3	Cu	301.94448	302.30651	301.58245	0.16956	ug/L	09/19/10	04:07	
61322-3	Fe	512199.12500	512237.78125	512160.43750	0.01067	ug/L	09/19/10	04:07	
61322-3	2Fe	512.13067	512.19860	512.06274	0.01875	mg/L	09/19/10	04:07	
61322-3	K	16404.79296	16394.11328	16415.47070	0.09205	ug/L	09/19/10	04:07	
61322-3	Mg	21903.26171	21889.03320	21917.48828	0.09186	ug/L	09/19/10	04:07	
61322-3	2Mg	21.80851	21.79427	21.82275	0.09232	mg/L	09/19/10	04:07	
61322-3	Mn	3264.77441	3264.71777	3264.83129	0.00245	ug/L	09/19/10	04:07	
61322-3	Mo	33.69541	33.42426	33.96656	1.13803	ug/L	09/19/10	04:07	
61322-3	Na	158325.81250	158327.15625	158324.48437	0.00119	ug/L	09/19/10	04:07	
61322-3	Ni	209.37496	209.24499	209.50494	0.08779	ug/L	09/19/10	04:07	
61322-3	Pb	43999.17968	44095.66796	43902.69531	0.31012	ug/L	09/19/10	04:07	
61322-3	Se	7.47452	6.65167	8.29737	15.56868	ug/L	09/19/10	04:07	
61322-3	Sb	38577.00781	38518.14453	38635.87109	0.21578	ug/L	09/19/10	04:07	
61322-3	Sn	94.80178	94.26439	95.33917	0.80165	ug/L	09/19/10	04:07	
61322-3	Sr	554.00799	554.07995	553.93603	0.01836	ug/L	09/19/10	04:07	
61322-3	Ti	7906.59082	7907.76855	7905.41259	0.02106	ug/L	09/19/10	04:07	
61322-3	Tl	-1.55644	2.30679	-5.41969	351.02047	ug/L	09/19/10	04:07	
61322-3	V	254.58891	254.58776	254.59005	0.00063	ug/L	09/19/10	04:07	
61322-3	Zn	305565.62500	305654.03125	305477.18750	0.04092	ug/L	09/19/10	04:07	
61322-3	2203/1	43853.21093	43899.11328	43807.31250	0.14802	ug/L	09/19/10	04:07	
61322-3	2203/2	44072.05468	44193.79687	43950.31640	0.39064	ug/L	09/19/10	04:07	
61322-3	1960/1	-1.53730	-2.08399	-0.99061	50.29169	ug/L	09/19/10	04:07	
61322-3	1960/2	11.97368	11.01296	12.93441	11.34710	ug/L	09/19/10	04:07	
61322-3	Y	932.32031	929.22119	935.41949	0.47010		09/19/10	04:07	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61322-4	Ag	2.15102	2.10299	2.19904	3.15768	ug/L	09/19/10	04:12	
61322-4	Al	28070.83398	28097.31640	28044.35156	0.13341	ug/L	09/19/10	04:12	
61322-4	2Al	28.07229	28.09942	28.04516	0.13669	mg/L	09/19/10	04:12	
61322-4	As	82.94418	84.28144	81.60692	2.28005	ug/L	09/19/10	04:12	
61322-4	B	127.37850	127.73712	127.01988	0.39815	ug/L	09/19/10	04:12	
61322-4	Ba	8288.60449	8292.85644	8284.35253	0.07254	ug/L	09/19/10	04:12	
61322-4	Be	0.37454	0.36305	0.38602	4.33644	ug/L	09/19/10	04:12	
61322-4	Ca	567958.93750	568409.87500	567508.00000	0.11228	ug/L	09/19/10	04:12	
61322-4	Cd	252.35961	252.11187	252.60736	0.13883	ug/L	09/19/10	04:12	
61322-4	Co	52.32482	52.34289	52.30675	0.04883	ug/L	09/19/10	04:12	
61322-4	Cr	12112.41992	12119.64453	12105.19433	0.08435	ug/L	09/19/10	04:12	
61322-4	Cu	367.39797	367.44818	367.34777	0.01932	ug/L	09/19/10	04:12	
61322-4	Fe	281410.81250	281790.90625	281030.68750	0.19102	ug/L	09/19/10	04:12	
61322-4	2Fe	281.37750	281.76431	280.99072	0.19440	mg/L	09/19/10	04:12	
61322-4	K	8544.87109	8544.64550	8545.09667	0.00373	ug/L	09/19/10	04:12	
61322-4	Mg	23344.49609	23367.83007	23321.16210	0.14135	ug/L	09/19/10	04:12	
61322-4	2Mg	23.28965	23.31291	23.26639	0.14123	mg/L	09/19/10	04:12	
61322-4	Mn	2678.49926	2681.17895	2675.81958	0.14148	ug/L	09/19/10	04:12	
61322-4	Mo	18.19162	18.96010	17.42314	5.97413	ug/L	09/19/10	04:12	
61322-4	Na	103277.34375	103435.07812	103119.60937	0.21599	ug/L	09/19/10	04:12	
61322-4	Ni	217.70022	217.61299	217.78746	0.05666	ug/L	09/19/10	04:12	
61322-4	Pb	22220.11914	22264.27343	22175.96484	0.28102	ug/L	09/19/10	04:12	
61322-4	Se	5.71513	8.06325	3.36702	58.10419	ug/L	09/19/10	04:12	
61322-4	Sb	77965.31250	77823.49218	78107.14062	0.25725	ug/L	09/19/10	04:12	
61322-4	Sn	121.22914	121.49001	120.96827	0.30431	ug/L	09/19/10	04:12	
61322-4	Sr	1514.72851	1515.19287	1514.26428	0.04334	ug/L	09/19/10	04:12	
61322-4	Ti	5768.58496	5776.45117	5760.71875	0.19284	ug/L	09/19/10	04:12	
61322-4	Tl	0.49781	-0.45266	1.44830	270.01528	ug/L	09/19/10	04:12	
61322-4	V	347.00991	346.94442	347.07540	0.02669	ug/L	09/19/10	04:12	
61322-4	Zn	405529.59375	405746.18750	405313.00000	0.07553	ug/L	09/19/10	04:12	
61322-4	2203/1	22130.47265	22197.84960	22063.09765	0.43055	ug/L	09/19/10	04:12	
61322-4	2203/2	22264.87500	22297.43554	22232.31250	0.20682	ug/L	09/19/10	04:12	
61322-4	1960/1	-2.40217	0.73343	-5.53778	184.60014	ug/L	09/19/10	04:12	
61322-4	1960/2	9.76771	11.72266	7.81275	28.30478	ug/L	09/19/10	04:12	
61322-4	Y	916.47100	915.03491	917.90710	0.22160		09/19/10	04:12	
61283-1	Ag	0.45477	0.13028	0.77926	100.90542	ug/L	09/19/10	04:17	
61283-1	Al	91101.82031	90983.85937	91219.78125	0.18311	ug/L	09/19/10	04:17	
61283-1	2Al	91.10366	90.98445	91.22288	0.18506	mg/L	09/19/10	04:17	
61283-1	As	81.29017	82.02661	80.55374	1.28117	ug/L	09/19/10	04:17	
61283-1	B	35.10787	35.87769	34.33806	3.10096	ug/L	09/19/10	04:17	
61283-1	Ba	302.03698	301.93966	302.13430	0.04556	ug/L	09/19/10	04:17	
61283-1	Be	2.64342	2.64511	2.64173	0.09037	ug/L	09/19/10	04:17	
61283-1	Ca	2869.87158	2869.19506	2870.54785	0.03333	ug/L	09/19/10	04:17	
61283-1	Cd	-0.66397	-0.78551	-0.54244	25.88594	ug/L	09/19/10	04:17	
61283-1	Co	36.67518	36.29433	37.05603	1.46856	ug/L	09/19/10	04:17	
61283-1	Cr	122.75910	122.30457	123.21365	0.52364	ug/L	09/19/10	04:17	
61283-1	Cu	77.76220	77.32398	78.20043	0.79697	ug/L	09/19/10	04:17	
61283-1	Fe	131295.56250	131130.96875	131460.17187	0.17729	ug/L	09/19/10	04:17	
61283-1	2Fe	131.27609	131.10932	131.44285	0.17965	mg/L	09/19/10	04:17	
61283-1	K	2973.89819	2957.18383	2990.61254	0.79483	ug/L	09/19/10	04:17	
61283-1	Mg	4154.79394	4146.46484	4163.12255	0.28349	ug/L	09/19/10	04:17	
61283-1	2Mg	4.13145	4.12315	4.13975	0.28403	mg/L	09/19/10	04:17	
61283-1	Mn	2011.93554	2010.88757	2012.98352	0.07366	ug/L	09/19/10	04:17	
61283-1	Mo	13.09627	14.66400	11.52854	16.92926	ug/L	09/19/10	04:17	
61283-1	Na	-274.64569	-344.80996	-204.48143	36.12918	ug/L	09/19/10	04:17	
61283-1	Ni	54.79637	54.61236	54.98039	0.47490	ug/L	09/19/10	04:17	
61283-1	Pb	93.61772	93.42166	93.81377	0.29616	ug/L	09/19/10	04:17	
61283-1	Se	8.62360	7.42540	9.82180	19.64969	ug/L	09/19/10	04:17	
61283-1	Sb	122.44450	146.55534	98.33366	27.84761	ug/L	09/19/10	04:17	
61283-1	Sn	16.84440	16.30446	17.38434	4.53322	ug/L	09/19/10	04:17	
61283-1	Sr	23.14103	23.16739	23.11468	0.16106	ug/L	09/19/10	04:17	
61283-1	Ti	998.16259	999.51049	996.81469	0.19097	ug/L	09/19/10	04:17	
61283-1	Tl	7.95428	3.94942	11.95915	71.20353	ug/L	09/19/10	04:17	
61283-1	V	262.73431	263.10272	262.36590	0.19830	ug/L	09/19/10	04:17	
61283-1	Zn	249.08380	249.99177	248.17584	0.51551	ug/L	09/19/10	04:17	
61283-1	2203/1	111.37988	110.60975	112.15000	0.97784	ug/L	09/19/10	04:17	
61283-1	2203/2	84.74994	84.84049	84.65940	0.15109	ug/L	09/19/10	04:17	
61283-1	1960/1	3.50933	8.91384	-1.89518	217.79499	ug/L	09/19/10	04:17	
61283-1	1960/2	11.17690	6.68229	15.67151	56.87031	ug/L	09/19/10	04:17	
61283-1	Y	948.65850	949.58825	947.72875	0.13860		09/19/10	04:17	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	492.22509	493.38488	491.06530	0.33321	ug/L	09/19/10	04:22	
CCV	Al	4867.78222	4876.75439	4858.81054	0.26065	ug/L	09/19/10	04:22	
CCV	2Al	4.86800	4.87698	4.85903	0.26066	mg/L	09/19/10	04:22	
CCV	As	501.27618	504.24642	498.30590	0.83797	ug/L	09/19/10	04:22	
CCV	B	4953.48681	4958.04150	4948.93212	0.13003	ug/L	09/19/10	04:22	
CCV	Ba	4922.93261	4934.91992	4910.94482	0.34436	ug/L	09/19/10	04:22	
CCV	Be	497.93194	499.16705	496.69686	0.35078	ug/L	09/19/10	04:22	
CCV	Ca	4933.14550	4939.58007	4926.71044	0.18447	ug/L	09/19/10	04:22	
CCV	Cd	505.29162	507.03356	503.54971	0.48753	ug/L	09/19/10	04:22	
CCV	Co	494.24182	495.76446	492.71920	0.43568	ug/L	09/19/10	04:22	
CCV	Cr	5016.33593	5028.05566	5004.61621	0.33040	ug/L	09/19/10	04:22	
CCV	Cu	4893.32519	4910.03173	4876.61816	0.48284	ug/L	09/19/10	04:22	
CCV	Fe	4896.46826	4898.38720	4894.54931	0.05542	ug/L	09/19/10	04:22	
CCV	2Fe	4.89672	4.89864	4.89480	0.05547	mg/L	09/19/10	04:22	
CCV	K	9855.12500	9876.42089	9833.82910	0.30559	ug/L	09/19/10	04:22	
CCV	Mg	5032.95410	5044.94726	5020.96044	0.33700	ug/L	09/19/10	04:22	
CCV	2Mg	5.03296	5.04496	5.02097	0.33704	mg/L	09/19/10	04:22	
CCV	Mn	5008.31689	5020.08398	4996.54980	0.33227	ug/L	09/19/10	04:22	
CCV	Mo	501.43905	499.55279	503.32531	0.53198	ug/L	09/19/10	04:22	
CCV	Na	7250.18701	7233.79687	7266.57714	0.31970	ug/L	09/19/10	04:22	
CCV	Ni	2504.43310	2505.81738	2503.04882	0.07816	ug/L	09/19/10	04:22	
CCV	Pb	509.66418	507.89825	511.43008	0.49000	ug/L	09/19/10	04:22	
CCV	Se	5035.48925	5030.86816	5040.11083	0.12978	ug/L	09/19/10	04:22	
CCV	Sb	528.51269	528.32098	528.70446	0.05130	ug/L	09/19/10	04:22	
CCV	Sn	5060.21875	5072.70019	5047.73681	0.34883	ug/L	09/19/10	04:22	
CCV	Sr	2505.63818	2518.33276	2492.94360	0.71649	ug/L	09/19/10	04:22	
CCV	Ti	494.05535	495.17584	492.93487	0.32073	ug/L	09/19/10	04:22	
CCV	Tl	5103.83447	5120.35205	5087.31689	0.45768	ug/L	09/19/10	04:22	
CCV	V	4938.76660	4953.39648	4924.13720	0.41891	ug/L	09/19/10	04:22	
CCV	Zn	2437.43139	2429.19140	2445.67138	0.47808	ug/L	09/19/10	04:22	
CCV	2203/1	505.32806	502.96594	507.69015	0.66106	ug/L	09/19/10	04:22	
CCV	2203/2	511.82467	510.35638	513.29296	0.40570	ug/L	09/19/10	04:22	
CCV	1960/1	4977.47851	4968.40087	4986.55664	0.25792	ug/L	09/19/10	04:22	
CCV	1960/2	5064.45117	5062.05517	5066.84765	0.06691	ug/L	09/19/10	04:22	
CCV	Y	939.38726	939.57495	939.19958	0.02825		09/19/10	04:22	
CCB	Ag	0.28341	0.48533	0.08149	100.75498	ug/L	09/19/10	04:28	
CCB	Al	11.36842	5.90397	16.83288	67.97689	ug/L	09/19/10	04:28	
CCB	2Al	0.01136	0.00590	0.01683	67.97686	mg/L	09/19/10	04:28	
CCB	As	-2.91081	-3.97281	-1.84882	51.59672	ug/L	09/19/10	04:28	
CCB	B	31.90814	34.79383	29.02244	12.78981	ug/L	09/19/10	04:28	
CCB	Ba	0.83786	0.27462	1.40111	95.06863	ug/L	09/19/10	04:28	
CCB	Be	0.07547	0.00850	0.14243	125.47609	ug/L	09/19/10	04:28	
CCB	Ca	5.36654	1.66533	9.06774	97.53585	ug/L	09/19/10	04:28	
CCB	Cd	0.00580	-0.13308	0.14469	3383.29272	ug/L	09/19/10	04:28	
CCB	Co	-0.36590	-0.41935	-0.31245	20.65897	ug/L	09/19/10	04:28	
CCB	Cr	1.11145	0.87827	1.34463	29.67021	ug/L	09/19/10	04:28	
CCB	Cu	0.03909	-0.40356	0.48176	1601.11987	ug/L	09/19/10	04:28	
CCB	Fe	-3.06806	-0.87715	-5.25897	100.98918	ug/L	09/19/10	04:28	
CCB	2Fe	-0.00306	-0.00087	-0.00525	100.98424	mg/L	09/19/10	04:28	
CCB	K	-6.57316	-4.22681	-8.91950	50.48148	ug/L	09/19/10	04:28	
CCB	Mg	-2.94957	-1.53743	-4.36170	67.70686	ug/L	09/19/10	04:28	
CCB	2Mg	-0.00294	-0.00153	-0.00435	67.69598	mg/L	09/19/10	04:28	
CCB	Mn	0.93039	0.26725	1.59354	100.79863	ug/L	09/19/10	04:28	
CCB	Mo	-0.45312	-0.53048	-0.37577	24.14258	ug/L	09/19/10	04:28	
CCB	Na	-254.09169	-373.70336	-134.48001	66.57299	ug/L	09/19/10	04:28	
CCB	Ni	1.13995	1.12221	1.15769	2.20110	ug/L	09/19/10	04:28	
CCB	Pb	1.03942	2.60641	-0.52756	213.19990	ug/L	09/19/10	04:28	
CCB	Se	2.59885	2.32004	2.87767	15.17226	ug/L	09/19/10	04:28	
CCB	Sb	15.98680	17.84297	14.13064	16.41990	ug/L	09/19/10	04:28	
CCB	Sn	2.79660	1.89676	3.69643	45.50384	ug/L	09/19/10	04:28	
CCB	Sr	0.42325	0.16690	0.67960	85.65431	ug/L	09/19/10	04:28	
CCB	Ti	0.13172	0.04142	0.22202	96.94770	ug/L	09/19/10	04:28	
CCB	Tl	5.17324	4.14457	6.20190	28.12064	ug/L	09/19/10	04:28	
CCB	V	0.57817	0.15591	1.00042	103.28386	ug/L	09/19/10	04:28	
CCB	Zn	10.41979	4.55969	16.27989	79.53544	ug/L	09/19/10	04:28	
CCB	2203/1	3.97384	5.09973	2.84794	40.06838	ug/L	09/19/10	04:28	
CCB	2203/2	-0.42558	1.36161	-2.21278	593.88079	ug/L	09/19/10	04:28	
CCB	1960/1	4.15438	2.79411	5.51465	46.30559	ug/L	09/19/10	04:28	
CCB	1960/2	1.82226	2.08336	1.56116	20.26336	ug/L	09/19/10	04:28	
CCB	Y	942.08923	939.30432	944.87408	0.41805		09/19/10	04:28	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	483.12249	483.49560	482.74938	0.10921	ug/L	09/19/10	07:08	
CCV	Al	4815.60937	4815.49658	4815.72216	0.00331	ug/L	09/19/10	07:08	
CCV	2Al	4.81582	4.81593	4.81572	0.00299	mg/L	09/19/10	07:08	
CCV	As	493.23797	491.93634	494.53961	0.37320	ug/L	09/19/10	07:08	
CCV	B	4824.71289	4815.96142	4833.46386	0.25651	ug/L	09/19/10	07:08	
CCV	Ba	4818.78125	4821.68066	4815.88134	0.08509	ug/L	09/19/10	07:08	
CCV	Be	482.98754	483.57470	482.40039	0.17192	ug/L	09/19/10	07:08	
CCV	Ca	4812.15917	4814.08203	4810.23632	0.05650	ug/L	09/19/10	07:08	
CCV	Cd	489.57373	490.21591	488.93151	0.18550	ug/L	09/19/10	07:08	
CCV	Co	482.95281	483.24209	482.66357	0.08470	ug/L	09/19/10	07:08	
CCV	Cr	4877.83398	4881.24853	4874.41943	0.09899	ug/L	09/19/10	07:08	
CCV	Cu	4802.55517	4805.37402	4799.73632	0.08300	ug/L	09/19/10	07:08	
CCV	Fe	4798.45117	4802.55468	4794.34814	0.12093	ug/L	09/19/10	07:08	
CCV	2Fe	4.79870	4.80281	4.79460	0.12091	mg/L	09/19/10	07:08	
CCV	K	9743.15039	9763.95410	9722.34667	0.30196	ug/L	09/19/10	07:08	
CCV	Mg	4923.12597	4920.79931	4925.45214	0.06682	ug/L	09/19/10	07:08	
CCV	2Mg	4.92312	4.92080	4.92545	0.06683	mg/L	09/19/10	07:08	
CCV	Mn	4879.37500	4879.75927	4878.99121	0.01113	ug/L	09/19/10	07:08	
CCV	Mo	489.28588	488.11831	490.45349	0.33747	ug/L	09/19/10	07:08	
CCV	Na	7369.65771	7157.01464	7582.30078	4.08055	ug/L	09/19/10	07:08	
CCV	Ni	2447.67089	2445.71044	2449.63134	0.11327	ug/L	09/19/10	07:08	
CCV	Pb	497.93542	498.30004	497.57080	0.10355	ug/L	09/19/10	07:08	
CCV	Se	4913.75976	4917.33544	4910.18408	0.10291	ug/L	09/19/10	07:08	
CCV	Sb	490.51245	488.13388	492.89099	0.68576	ug/L	09/19/10	07:08	
CCV	Sn	4925.19042	4929.77343	4920.60791	0.13158	ug/L	09/19/10	07:08	
CCV	Sr	2442.31835	2439.82128	2444.81567	0.14459	ug/L	09/19/10	07:08	
CCV	Ti	481.28039	481.63693	480.92382	0.10477	ug/L	09/19/10	07:08	
CCV	Tl	4949.76660	4945.99609	4953.53662	0.10772	ug/L	09/19/10	07:08	
CCV	V	4846.83203	4844.33935	4849.32519	0.07273	ug/L	09/19/10	07:08	
CCV	Zn	2410.24365	2408.93188	2411.55566	0.07697	ug/L	09/19/10	07:08	
CCV	2203/1	498.78726	496.82296	500.75155	0.55693	ug/L	09/19/10	07:08	
CCV	2203/2	497.50592	499.03323	495.97857	0.43415	ug/L	09/19/10	07:08	
CCV	1960/1	4896.57324	4900.02636	4893.11962	0.09973	ug/L	09/19/10	07:08	
CCV	1960/2	4922.33984	4925.97656	4918.70361	0.10447	ug/L	09/19/10	07:08	
CCV	Y	925.58081	925.74664	925.41491	0.02534		09/19/10	07:08	
CCB	Ag	0.26708	0.65280	-0.11863	204.24137	ug/L	09/19/10	07:15	
CCB	Al	3.37924	0.69065	6.06783	112.51753	ug/L	09/19/10	07:15	
CCB	2Al	0.00337	0.00069	0.00606	112.51753	mg/L	09/19/10	07:15	
CCB	As	-0.80419	-4.34456	2.73618	622.59332	ug/L	09/19/10	07:15	
CCB	B	17.03988	18.30829	15.77146	10.52713	ug/L	09/19/10	07:15	
CCB	Ba	-0.05226	-0.03100	-0.07352	57.52644	ug/L	09/19/10	07:15	
CCB	Be	0.01793	0.01825	0.01762	2.48922	ug/L	09/19/10	07:15	
CCB	Ca	-1.30116	-1.32175	-1.28056	2.23820	ug/L	09/19/10	07:15	
CCB	Cd	-0.18338	-0.11226	-0.25451	54.84786	ug/L	09/19/10	07:15	
CCB	Co	-0.45188	-0.23247	-0.67128	68.66532	ug/L	09/19/10	07:15	
CCB	Cr	0.09440	-0.14921	0.33803	364.94134	ug/L	09/19/10	07:15	
CCB	Cu	-0.02552	-0.14527	0.09421	663.34771	ug/L	09/19/10	07:15	
CCB	Fe	-0.82472	-0.83757	-0.81187	2.20377	ug/L	09/19/10	07:15	
CCB	2Fe	-0.00082	-0.00083	-0.00081	2.18712	mg/L	09/19/10	07:15	
CCB	K	0.54067	-0.57908	1.66044	292.88900	ug/L	09/19/10	07:15	
CCB	Mg	-0.13937	1.32716	-1.60591	1488.06213	ug/L	09/19/10	07:15	
CCB	2Mg	-0.00013	0.00132	-0.00160	1489.10217	mg/L	09/19/10	07:15	
CCB	Mn	-0.10569	-0.09338	-0.11801	16.48032	ug/L	09/19/10	07:15	
CCB	Mo	-1.47683	-1.00978	-1.94387	44.72469	ug/L	09/19/10	07:15	
CCB	Na	-154.28857	-178.94491	-129.63223	22.60007	ug/L	09/19/10	07:15	
CCB	Ni	0.22511	0.09371	0.35650	82.54536	ug/L	09/19/10	07:15	
CCB	Pb	-0.91700	-0.21665	-1.61735	108.00851	ug/L	09/19/10	07:15	
CCB	Se	4.52724	6.26103	2.79345	54.15988	ug/L	09/19/10	07:15	
CCB	Sb	1.25358	0.62546	1.88170	70.86013	ug/L	09/19/10	07:15	
CCB	Sn	0.26412	-0.22560	0.75384	262.21817	ug/L	09/19/10	07:15	
CCB	Sr	-0.01631	-0.01633	-0.01629	0.19145	ug/L	09/19/10	07:15	
CCB	Ti	0.04282	0.05448	0.03116	38.50645	ug/L	09/19/10	07:15	
CCB	Tl	3.81357	5.70325	1.92390	70.07595	ug/L	09/19/10	07:15	
CCB	V	0.15310	0.36936	-0.06315	199.75277	ug/L	09/19/10	07:15	
CCB	Zn	0.14324	0.32123	-0.03474	175.72503	ug/L	09/19/10	07:15	
CCB	2203/1	-3.18633	-3.34042	-3.03224	6.83914	ug/L	09/19/10	07:15	
CCB	2203/2	0.21595	1.34288	-0.91096	737.96856	ug/L	09/19/10	07:15	
CCB	1960/1	1.10918	1.64767	0.57068	68.65825	ug/L	09/19/10	07:15	
CCB	1960/2	6.23371	8.56425	3.90317	52.87195	ug/L	09/19/10	07:15	
CCB	Y	918.76702	919.23406	918.29998	0.07188		09/19/10	07:15	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBS 180221	Ag	-0.22037	-0.22044	-0.22030	0.04599	ug/L	09/19/10	07:20	
PBS 180221	Al	7.25637	6.41603	8.09671	16.37759	ug/L	09/19/10	07:20	
PBS 180221	2Al	0.00725	0.00641	0.00809	16.37772	mg/L	09/19/10	07:20	
PBS 180221	As	-1.06048	-0.13480	-1.98616	123.44467	ug/L	09/19/10	07:20	
PBS 180221	B	11.98927	11.35582	12.62272	7.47196	ug/L	09/19/10	07:20	
PBS 180221	Ba	-0.10030	-0.08640	-0.11419	19.59319	ug/L	09/19/10	07:20	
PBS 180221	Be	0.00984	0.00952	0.01015	4.54198	ug/L	09/19/10	07:20	
PBS 180221	Ca	14.09091	13.29610	14.88572	7.97698	ug/L	09/19/10	07:20	
PBS 180221	Cd	0.09037	0.21784	-0.03709	199.45921	ug/L	09/19/10	07:20	
PBS 180221	Co	-0.61886	-0.60232	-0.63540	3.77876	ug/L	09/19/10	07:20	
PBS 180221	Cr	0.81103	0.45090	1.17117	62.79751	ug/L	09/19/10	07:20	
PBS 180221	Cu	0.36876	0.75488	-0.01735	148.07879	ug/L	09/19/10	07:20	
PBS 180221	Fe	51.99775	53.70785	50.28766	4.65104	ug/L	09/19/10	07:20	
PBS 180221	2Fe	0.05199	0.05370	0.05028	4.65114	mg/L	09/19/10	07:20	
PBS 180221	K	7.53638	12.90757	2.16518	100.79123	ug/L	09/19/10	07:20	
PBS 180221	Mg	-0.10808	-1.55819	1.34202	1897.32263	ug/L	09/19/10	07:20	
PBS 180221	2Mg	-0.00011	-0.00156	0.00133	1754.02075	mg/L	09/19/10	07:20	
PBS 180221	Mn	0.63031	0.57612	0.68451	12.15906	ug/L	09/19/10	07:20	
PBS 180221	Mo	1.38457	2.76831	0.00083	141.33599	ug/L	09/19/10	07:20	
PBS 180221	Na	-1.80062	-1.65025	-1.95100	11.81036	ug/L	09/19/10	07:20	
PBS 180221	Ni	0.40394	0.47632	0.33155	25.34201	ug/L	09/19/10	07:20	
PBS 180221	Pb	-0.59956	-0.72264	-0.47648	29.03054	ug/L	09/19/10	07:20	
PBS 180221	Se	3.62442	6.78658	0.46226	123.38413	ug/L	09/19/10	07:20	
PBS 180221	Sb	0.18374	-2.08492	2.45241	1746.08264	ug/L	09/19/10	07:20	
PBS 180221	Sn	13.41766	14.06038	12.77493	6.77429	ug/L	09/19/10	07:20	
PBS 180221	Sr	0.03330	0.04053	0.02608	30.67491	ug/L	09/19/10	07:20	
PBS 180221	Ti	0.09320	0.01379	0.17262	120.49668	ug/L	09/19/10	07:20	
PBS 180221	Tl	3.41424	4.59683	2.23165	48.98406	ug/L	09/19/10	07:20	
PBS 180221	V	0.58669	0.80043	0.37295	51.52141	ug/L	09/19/10	07:20	
PBS 180221	Zn	2.22831	2.20014	2.25648	1.78796	ug/L	09/19/10	07:20	
PBS 180221	2203/1	0.39615	1.55810	-0.76578	414.79101	ug/L	09/19/10	07:20	
PBS 180221	2203/2	-1.09667	-1.86130	-0.33205	98.60129	ug/L	09/19/10	07:20	
PBS 180221	1960/1	1.60298	1.64772	1.55824	3.94701	ug/L	09/19/10	07:20	
PBS 180221	1960/2	4.63363	9.35216	-0.08489	144.01251	ug/L	09/19/10	07:20	
PBS 180221	Y	929.36962	928.71484	930.02435	0.09963		09/19/10	07:20	
PBS 180221	Ag	0.49512	0.44307	0.54717	14.86791	ug/L	09/19/10	07:31	
PBS 180221	Al	9.61457	12.78127	6.44786	46.57926	ug/L	09/19/10	07:31	
PBS 180221	2Al	0.00961	0.01278	0.00644	46.57926	mg/L	09/19/10	07:31	
PBS 180221	As	-3.12408	-3.57564	-2.67253	20.44096	ug/L	09/19/10	07:31	
PBS 180221	B	9.43089	8.07665	10.78512	20.30752	ug/L	09/19/10	07:31	
PBS 180221	Ba	0.03263	-0.00252	0.06779	152.36109	ug/L	09/19/10	07:31	
PBS 180221	Be	-0.00441	-0.01462	0.00579	327.09893	ug/L	09/19/10	07:31	
PBS 180221	Ca	19.42294	19.05289	19.79298	2.69437	ug/L	09/19/10	07:31	
PBS 180221	Cd	-0.20482	-0.07683	-0.33282	88.37104	ug/L	09/19/10	07:31	
PBS 180221	Co	-0.04082	0.09575	-0.17741	473.10003	ug/L	09/19/10	07:31	
PBS 180221	Cr	0.35366	0.33249	0.37483	8.46401	ug/L	09/19/10	07:31	
PBS 180221	Cu	0.32185	0.17462	0.46909	64.69438	ug/L	09/19/10	07:31	
PBS 180221	Fe	50.54666	60.52388	40.56946	27.91460	ug/L	09/19/10	07:31	
PBS 180221	2Fe	0.05054	0.06051	0.04056	27.91480	mg/L	09/19/10	07:31	
PBS 180221	K	18.73020	15.79339	21.66702	22.17425	ug/L	09/19/10	07:31	
PBS 180221	Mg	-1.56318	-7.38440	4.25804	526.64801	ug/L	09/19/10	07:31	
PBS 180221	2Mg	-0.00157	-0.00739	0.00425	523.92480	mg/L	09/19/10	07:31	
PBS 180221	Mn	0.62214	0.56605	0.67823	12.74920	ug/L	09/19/10	07:31	
PBS 180221	Mo	-0.00043	0.54031	-0.54118	176626.84375	ug/L	09/19/10	07:31	
PBS 180221	Na	-187.92913	-98.48316	-277.37509	67.31031	ug/L	09/19/10	07:31	
PBS 180221	Ni	-0.20092	0.17420	-0.57604	264.03460	ug/L	09/19/10	07:31	
PBS 180221	Pb	0.46038	0.16019	0.76058	92.21244	ug/L	09/19/10	07:31	
PBS 180221	Se	-0.31164	-2.63530	2.01202	1054.45983	ug/L	09/19/10	07:31	
PBS 180221	Sb	-2.72386	-3.97648	-1.47125	65.03467	ug/L	09/19/10	07:31	
PBS 180221	Sn	11.62919	11.19097	12.06740	5.32911	ug/L	09/19/10	07:31	
PBS 180221	Sr	-0.01298	-0.00945	-0.01651	38.42730	ug/L	09/19/10	07:31	
PBS 180221	Ti	0.03446	-0.03304	0.10198	277.00656	ug/L	09/19/10	07:31	
PBS 180221	Tl	0.96179	-3.84950	5.77309	707.44769	ug/L	09/19/10	07:31	
PBS 180221	V	-0.00849	0.20736	-0.22436	3591.75024	ug/L	09/19/10	07:31	
PBS 180221	Zn	3.09865	3.15276	3.04454	2.46940	ug/L	09/19/10	07:31	
PBS 180221	2203/1	4.82063	2.38980	7.25145	71.31225	ug/L	09/19/10	07:31	
PBS 180221	2203/2	-1.71646	-0.95293	-2.47998	62.90769	ug/L	09/19/10	07:31	
PBS 180221	1960/1	0.00834	-2.62172	2.63841	44570.60937	ug/L	09/19/10	07:31	
PBS 180221	1960/2	-0.47139	-2.64209	1.69929	651.21691	ug/L	09/19/10	07:31	
PBS 180221	Y	924.43273	925.80773	923.05780	0.21034		09/19/10	07:31	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61056-1 179840	Ag	-0.14411	-0.27275	-0.01547	126.23763	ug/L	09/19/10	07:36	
61056-1 179840	Al	11364.82226	11366.77246	11362.87304	0.02426	ug/L	09/19/10	07:36	
61056-1 179840	2Al	11.36507	11.36702	11.36312	0.02428	mg/L	09/19/10	07:36	
61056-1 179840	As	3.37817	4.79502	1.96131	59.31439	ug/L	09/19/10	07:36	
61056-1 179840	B	208.42840	208.55297	208.30383	0.08452	ug/L	09/19/10	07:36	
61056-1 179840	Ba	169.74517	169.79682	169.69354	0.04302	ug/L	09/19/10	07:36	
61056-1 179840	Be	0.55095	0.54732	0.55459	0.93335	ug/L	09/19/10	07:36	
61056-1 179840	Ca	70600.51562	70538.83593	70662.20312	0.12355	ug/L	09/19/10	07:36	
61056-1 179840	Cd	-0.38701	-0.43863	-0.33538	18.86382	ug/L	09/19/10	07:36	
61056-1 179840	Co	6.21952	6.67007	5.76896	10.24484	ug/L	09/19/10	07:36	
61056-1 179840	Cr	15.76760	15.49071	16.04449	2.48346	ug/L	09/19/10	07:36	
61056-1 179840	Cu	9.18584	9.60998	8.76171	6.52975	ug/L	09/19/10	07:36	
61056-1 179840	Fe	14326.69726	14311.04296	14342.35253	0.15453	ug/L	09/19/10	07:36	
61056-1 179840	2Fe	14.32451	14.30886	14.34016	0.15451	mg/L	09/19/10	07:36	
61056-1 179840	K	2072.31152	2075.33447	2069.28881	0.20628	ug/L	09/19/10	07:36	
61056-1 179840	Mg	23292.39843	23286.67773	23298.12109	0.03473	ug/L	09/19/10	07:36	
61056-1 179840	2Mg	23.28397	23.27826	23.28969	0.03471	mg/L	09/19/10	07:36	
61056-1 179840	Mn	1471.82592	1471.28735	1472.36462	0.05175	ug/L	09/19/10	07:36	
61056-1 179840	Mo	0.65978	1.08615	0.23341	91.39080	ug/L	09/19/10	07:36	
61056-1 179840	Na	33757.59765	33572.55859	33942.63671	0.77518	ug/L	09/19/10	07:36	
61056-1 179840	Ni	13.98706	14.41207	13.56205	4.29725	ug/L	09/19/10	07:36	
61056-1 179840	Pb	6.46546	7.18654	5.74438	15.77236	ug/L	09/19/10	07:36	
61056-1 179840	Se	5.41810	8.73064	2.10555	86.46283	ug/L	09/19/10	07:36	
61056-1 179840	Sb	-1.12741	-1.09397	-1.16084	4.19369	ug/L	09/19/10	07:36	
61056-1 179840	Sn	-0.31495	-0.15759	-0.47232	70.65879	ug/L	09/19/10	07:36	
61056-1 179840	Sr	210.23089	210.25154	210.21026	0.01388	ug/L	09/19/10	07:36	
61056-1 179840	Ti	146.71060	146.90016	146.52104	0.18272	ug/L	09/19/10	07:36	
61056-1 179840	Tl	2.68693	4.02107	1.35279	70.21981	ug/L	09/19/10	07:36	
61056-1 179840	V	21.58292	21.80852	21.35732	1.47824	ug/L	09/19/10	07:36	
61056-1 179840	Zn	38.57031	38.19176	38.94885	1.38797	ug/L	09/19/10	07:36	
61056-1 179840	2203/1	6.53858	9.26485	3.81232	58.96568	ug/L	09/19/10	07:36	
61056-1 179840	2203/2	6.42895	6.14894	6.70897	6.15964	ug/L	09/19/10	07:36	
61056-1 179840	1960/1	2.07643	7.86208	-3.70920	394.04644	ug/L	09/19/10	07:36	
61056-1 179840	1960/2	7.08642	9.16427	5.00857	41.46688	ug/L	09/19/10	07:36	
61056-1 179840	Y	918.39599	920.29913	916.49285	0.29305		09/19/10	07:36	
61056-1L	Ag	0.16304	0.24127	0.08481	67.85697	ug/L	09/19/10	07:42	
61056-1L	Al	2273.96386	2344.05712	2203.87036	4.35921	ug/L	09/19/10	07:42	
61056-1L	2Al	2.27408	2.34428	2.20387	4.36607	mg/L	09/19/10	07:42	
61056-1L	As	-1.12988	-0.70600	-1.55377	53.05450	ug/L	09/19/10	07:42	
61056-1L	B	52.06061	52.86550	51.25573	2.18645	ug/L	09/19/10	07:42	
61056-1L	Ba	33.72279	34.61510	32.83048	3.74204	ug/L	09/19/10	07:42	
61056-1L	Be	0.13274	0.15253	0.11295	21.08517	ug/L	09/19/10	07:42	
61056-1L	Ca	14035.15820	14443.45800	13626.85839	4.11411	ug/L	09/19/10	07:42	
61056-1L	Cd	0.12374	-0.01539	0.26289	159.01469	ug/L	09/19/10	07:42	
61056-1L	Co	1.33660	1.20867	1.46454	13.53618	ug/L	09/19/10	07:42	
61056-1L	Cr	3.07720	3.21673	2.93767	6.41254	ug/L	09/19/10	07:42	
61056-1L	Cu	1.08484	0.98463	1.18505	13.06311	ug/L	09/19/10	07:42	
61056-1L	Fe	2895.29052	2975.83032	2814.75048	3.93399	ug/L	09/19/10	07:42	
61056-1L	2Fe	2.89507	2.97561	2.81454	3.93399	mg/L	09/19/10	07:42	
61056-1L	K	382.15579	387.28317	377.02841	1.89744	ug/L	09/19/10	07:42	
61056-1L	Mg	4692.29785	4828.45019	4556.14501	4.10350	ug/L	09/19/10	07:42	
61056-1L	2Mg	4.69060	4.82670	4.55449	4.10352	mg/L	09/19/10	07:42	
61056-1L	Mn	297.33377	306.06158	288.60595	4.15122	ug/L	09/19/10	07:42	
61056-1L	Mo	-0.03803	-0.00004	-0.07602	141.25468	ug/L	09/19/10	07:42	
61056-1L	Na	6641.44921	6931.77636	6351.12207	6.18215	ug/L	09/19/10	07:42	
61056-1L	Ni	3.24320	2.64625	3.84015	26.03023	ug/L	09/19/10	07:42	
61056-1L	Pb	2.41999	2.43124	2.40874	0.65741	ug/L	09/19/10	07:42	
61056-1L	Se	5.99155	1.89613	10.08697	96.66597	ug/L	09/19/10	07:42	
61056-1L	Sb	-2.38159	-3.04366	-1.71953	39.31385	ug/L	09/19/10	07:42	
61056-1L	Sn	-1.15931	1.06310	-3.38173	271.10678	ug/L	09/19/10	07:42	
61056-1L	Sr	42.11026	43.32083	40.89970	4.06551	ug/L	09/19/10	07:42	
61056-1L	Ti	29.64038	30.40307	28.87769	3.63897	ug/L	09/19/10	07:42	
61056-1L	Tl	2.66377	7.77691	-2.44937	271.46008	ug/L	09/19/10	07:42	
61056-1L	V	4.78063	4.83206	4.72920	1.52148	ug/L	09/19/10	07:42	
61056-1L	Zn	7.86527	8.11650	7.61404	4.51728	ug/L	09/19/10	07:42	
61056-1L	2203/1	2.28377	0.10913	4.45842	134.66345	ug/L	09/19/10	07:42	
61056-1L	2203/2	2.48799	3.59055	1.38544	62.67094	ug/L	09/19/10	07:42	
61056-1L	1960/1	3.19466	1.92073	4.46859	56.39432	ug/L	09/19/10	07:42	
61056-1L	1960/2	7.38789	1.88385	12.89194	105.36003	ug/L	09/19/10	07:42	
61056-1L	Y	924.48083	919.47851	929.48309	0.76521		09/19/10	07:42	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61056-1A	Ag	50.73444	49.63968	51.82919	3.05161	ug/L	09/19/10	07:47	
61056-1A	Al	13293.42480	13296.44238	13290.40722	0.03210	ug/L	09/19/10	07:47	
61056-1A	2Al	13.29451	13.29730	13.29171	0.02977	mg/L	09/19/10	07:47	
61056-1A	As	2099.54296	2062.19555	2136.89013	2.51564	ug/L	09/19/10	07:47	
61056-1A	B	1204.05126	1185.84204	1222.26049	2.13875	ug/L	09/19/10	07:47	
61056-1A	Ba	2240.92773	2203.49365	2278.36206	2.36241	ug/L	09/19/10	07:47	
61056-1A	Be	51.99434	51.11500	52.87368	2.39173	ug/L	09/19/10	07:47	
61056-1A	Ca	75262.93750	75492.12500	75033.74218	0.43065	ug/L	09/19/10	07:47	
61056-1A	Cd	51.51461	50.68238	52.34685	2.28471	ug/L	09/19/10	07:47	
61056-1A	Co	511.29031	502.97534	519.60528	2.29989	ug/L	09/19/10	07:47	
61056-1A	Cr	222.03878	218.16946	225.90812	2.46446	ug/L	09/19/10	07:47	
61056-1A	Cu	261.55456	257.08068	266.02844	2.41900	ug/L	09/19/10	07:47	
61056-1A	Fe	15247.98437	15299.32226	15196.64550	0.47615	ug/L	09/19/10	07:47	
61056-1A	2Fe	15.24707	15.29840	15.19574	0.47610	mg/L	09/19/10	07:47	
61056-1A	K	7582.94042	7470.42578	7695.45458	2.09838	ug/L	09/19/10	07:47	
61056-1A	Mg	28256.42578	28273.65039	28239.20117	0.08620	ug/L	09/19/10	07:47	
61056-1A	2Mg	28.24667	28.26388	28.22946	0.08615	mg/L	09/19/10	07:47	
61056-1A	Mn	1979.84179	1977.53283	1982.15087	0.16493	ug/L	09/19/10	07:47	
61056-1A	Mo	495.94766	488.72415	503.17117	2.05981	ug/L	09/19/10	07:47	
61056-1A	Na	38926.00781	38936.97265	38915.04296	0.03983	ug/L	09/19/10	07:47	
61056-1A	Ni	516.33575	505.94265	526.72888	2.84661	ug/L	09/19/10	07:47	
61056-1A	Pb	516.09277	503.89382	528.29174	3.34279	ug/L	09/19/10	07:47	
61056-1A	Se	2058.28979	2013.53063	2103.04907	3.07532	ug/L	09/19/10	07:47	
61056-1A	Sb	500.07531	493.48626	506.66439	1.86338	ug/L	09/19/10	07:47	
61056-1A	Sn	1033.76257	1015.87622	1051.64892	2.44689	ug/L	09/19/10	07:47	
61056-1A	Sr	722.29266	715.11614	729.46917	1.40512	ug/L	09/19/10	07:47	
61056-1A	Ti	1128.68066	1111.92309	1145.43835	2.09969	ug/L	09/19/10	07:47	
61056-1A	Tl	2134.58935	2093.12377	2176.05493	2.74718	ug/L	09/19/10	07:47	
61056-1A	V	532.18774	522.89013	541.48529	2.47069	ug/L	09/19/10	07:47	
61056-1A	Zn	547.34027	538.24536	556.43518	2.34993	ug/L	09/19/10	07:47	
61056-1A	2203/1	523.88122	511.37313	536.38928	3.37654	ug/L	09/19/10	07:47	
61056-1A	2203/2	512.20440	500.15975	524.24908	3.32557	ug/L	09/19/10	07:47	
61056-1A	1960/1	2060.17651	2016.00634	2104.34667	3.03207	ug/L	09/19/10	07:47	
61056-1A	1960/2	2057.34790	2012.29467	2102.40112	3.09694	ug/L	09/19/10	07:47	
61056-1A	Y	911.40325	905.45812	917.34838	0.92249		09/19/10	07:47	
61173-1 1/5	Ag	0.73899	0.91892	0.55907	34.43193	ug/L	09/19/10	07:52	
61173-1 1/5	Al	6.43530	8.06949	4.80111	35.91273	ug/L	09/19/10	07:52	
61173-1 1/5	2Al	0.00643	0.00807	0.00480	35.91273	mg/L	09/19/10	07:52	
61173-1 1/5	As	0.80844	1.11554	0.50134	53.72043	ug/L	09/19/10	07:52	
61173-1 1/5	B	13.34088	13.18824	13.49353	1.61808	ug/L	09/19/10	07:52	
61173-1 1/5	Ba	0.24718	0.23949	0.25486	4.39931	ug/L	09/19/10	07:52	
61173-1 1/5	Be	0.00464	-0.00143	0.01072	185.07295	ug/L	09/19/10	07:52	
61173-1 1/5	Ca	48.88061	50.64996	47.11126	5.11908	ug/L	09/19/10	07:52	
61173-1 1/5	Cd	0.24358	0.27533	0.21183	18.43436	ug/L	09/19/10	07:52	
61173-1 1/5	Co	-0.56905	-0.47034	-0.66777	24.53211	ug/L	09/19/10	07:52	
61173-1 1/5	Cr	-0.06612	0.42536	-0.55761	1051.19482	ug/L	09/19/10	07:52	
61173-1 1/5	Cu	-0.36134	-0.14876	-0.57391	83.19680	ug/L	09/19/10	07:52	
61173-1 1/5	Fe	6.01827	12.81929	-0.78274	159.81484	ug/L	09/19/10	07:52	
61173-1 1/5	2Fe	0.00601	0.01281	-0.00078	159.82044	mg/L	09/19/10	07:52	
61173-1 1/5	K	22.97967	28.76652	17.19282	35.61338	ug/L	09/19/10	07:52	
61173-1 1/5	Mg	11.68988	16.10957	7.27019	53.46829	ug/L	09/19/10	07:52	
61173-1 1/5	2Mg	0.01168	0.01610	0.00726	53.45786	mg/L	09/19/10	07:52	
61173-1 1/5	Mn	0.29875	0.26666	0.33083	15.18842	ug/L	09/19/10	07:52	
61173-1 1/5	Mo	2.70684	3.44654	1.96714	38.64643	ug/L	09/19/10	07:52	
61173-1 1/5	Na	203.06217	262.34802	143.77633	41.28924	ug/L	09/19/10	07:52	
61173-1 1/5	Ni	0.43229	0.52134	0.34324	29.13176	ug/L	09/19/10	07:52	
61173-1 1/5	Pb	2.24289	1.83870	2.64708	25.48535	ug/L	09/19/10	07:52	
61173-1 1/5	Se	4.22371	0.49603	7.95138	124.81269	ug/L	09/19/10	07:52	
61173-1 1/5	Sb	1.97907	4.48614	-0.52798	179.15042	ug/L	09/19/10	07:52	
61173-1 1/5	Sn	1.25542	0.22403	2.28682	116.18473	ug/L	09/19/10	07:52	
61173-1 1/5	Sr	0.67567	0.72145	0.62989	9.58173	ug/L	09/19/10	07:52	
61173-1 1/5	Ti	0.37339	0.46614	0.28064	35.12838	ug/L	09/19/10	07:52	
61173-1 1/5	Tl	2.71692	5.99849	-0.56464	170.81250	ug/L	09/19/10	07:52	
61173-1 1/5	V	0.42831	0.92541	-0.06878	164.13284	ug/L	09/19/10	07:52	
61173-1 1/5	Zn	12516.19531	13104.53125	11927.86035	6.64764	ug/L	09/19/10	07:52	
61173-1 1/5	2203/1	1.68877	1.10271	2.27483	49.07796	ug/L	09/19/10	07:52	
61173-1 1/5	2203/2	2.51954	2.20615	2.83293	17.59051	ug/L	09/19/10	07:52	
61173-1 1/5	1960/1	3.75526	-3.05994	10.57048	256.65740	ug/L	09/19/10	07:52	
61173-1 1/5	1960/2	4.45758	2.27136	6.64380	69.36000	ug/L	09/19/10	07:52	
61173-1 1/5	Y	909.07238	911.28979	906.85491	0.34495		09/19/10	07:52	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 180017	Ag	-0.11809	-0.01578	-0.22039	122.51778	ug/L	09/19/10	07:56	
PBW 180017	Al	4.26287	1.75758	6.76817	83.11333	ug/L	09/19/10	07:56	
PBW 180017	2Al	0.00426	0.00175	0.00676	83.11364	mg/L	09/19/10	07:56	
PBW 180017	As	-2.61185	-4.20644	-1.01726	86.34064	ug/L	09/19/10	07:56	
PBW 180017	B	9.51675	9.62117	9.41233	1.55167	ug/L	09/19/10	07:56	
PBW 180017	Ba	-0.09379	-0.05927	-0.12831	52.04376	ug/L	09/19/10	07:56	
PBW 180017	Be	-0.00817	-0.00387	-0.01247	74.41641	ug/L	09/19/10	07:56	
PBW 180017	Ca	8.24598	8.23441	8.25754	0.19832	ug/L	09/19/10	07:56	
PBW 180017	Cd	-0.38954	-1.03979	0.26071	236.07115	ug/L	09/19/10	07:56	
PBW 180017	Co	-0.83832	-0.79838	-0.87826	6.73774	ug/L	09/19/10	07:56	
PBW 180017	Cr	0.23038	-0.23026	0.69103	282.76473	ug/L	09/19/10	07:56	
PBW 180017	Cu	0.07442	-0.14599	0.29483	418.84121	ug/L	09/19/10	07:56	
PBW 180017	Fe	-13.68910	-17.65646	-9.72175	40.98653	ug/L	09/19/10	07:56	
PBW 180017	2Fe	-0.01368	-0.01765	-0.00972	40.98528	mg/L	09/19/10	07:56	
PBW 180017	K	3.59735	0.70263	6.49206	113.79907	ug/L	09/19/10	07:56	
PBW 180017	Mg	-0.12399	1.32420	-1.57220	1651.68627	ug/L	09/19/10	07:56	
PBW 180017	2Mg	-0.00012	0.00132	-0.00157	1684.89404	mg/L	09/19/10	07:56	
PBW 180017	Mn	-0.04482	-0.09334	0.00368	153.05892	ug/L	09/19/10	07:56	
PBW 180017	Mo	1.08768	2.17460	0.00076	141.32170	ug/L	09/19/10	07:56	
PBW 180017	Na	-24.57166	-14.99363	-34.14970	55.12602	ug/L	09/19/10	07:56	
PBW 180017	Ni	-0.16030	-0.07504	-0.24556	75.21283	ug/L	09/19/10	07:56	
PBW 180017	Pb	0.94624	0.49891	1.39356	66.85496	ug/L	09/19/10	07:56	
PBW 180017	Se	4.04217	6.43533	1.64900	83.72843	ug/L	09/19/10	07:56	
PBW 180017	Sb	1.67677	1.05553	2.29801	52.39628	ug/L	09/19/10	07:56	
PBW 180017	Sn	-1.20627	-3.68849	1.27593	291.00918	ug/L	09/19/10	07:56	
PBW 180017	Sr	-0.06696	-0.06700	-0.06692	0.08149	ug/L	09/19/10	07:56	
PBW 180017	Ti	0.14845	0.26029	0.03660	106.55017	ug/L	09/19/10	07:56	
PBW 180017	Tl	-0.86575	0.73102	-2.46253	260.83477	ug/L	09/19/10	07:56	
PBW 180017	V	0.34530	0.69568	-0.00508	143.50254	ug/L	09/19/10	07:56	
PBW 180017	Zn	0.96845	0.79695	1.13994	25.04340	ug/L	09/19/10	07:56	
PBW 180017	2203/1	2.30688	3.80928	0.80447	92.10362	ug/L	09/19/10	07:56	
PBW 180017	2203/2	0.26694	-1.15378	1.68766	752.67352	ug/L	09/19/10	07:56	
PBW 180017	1960/1	6.22644	10.94925	1.50363	107.26930	ug/L	09/19/10	07:56	
PBW 180017	1960/2	2.95167	4.18176	1.72158	58.93638	ug/L	09/19/10	07:56	
PBW 180017	Y	924.23199	919.27770	929.18627	0.75807		09/19/10	07:56	
LCSW-1	Ag	52.42010	52.10935	52.73085	0.83834	ug/L	09/19/10	08:00	
LCSW-1	Al	1967.40893	1965.15466	1969.66320	0.16204	ug/L	09/19/10	08:00	
LCSW-1	2Al	1.96749	1.96512	1.96985	0.16974	mg/L	09/19/10	08:00	
LCSW-1	As	2019.98815	2012.41040	2027.56591	0.53052	ug/L	09/19/10	08:00	
LCSW-1	B	1042.11718	1042.38195	1041.85229	0.03593	ug/L	09/19/10	08:00	
LCSW-1	Ba	1994.66967	1992.32495	1997.01452	0.16624	ug/L	09/19/10	08:00	
LCSW-1	Be	49.51133	49.49432	49.52834	0.04858	ug/L	09/19/10	08:00	
LCSW-1	Ca	5172.11718	5165.71386	5178.52050	0.17508	ug/L	09/19/10	08:00	
LCSW-1	Cd	51.33689	51.31817	51.35562	0.05159	ug/L	09/19/10	08:00	
LCSW-1	Co	503.48474	502.74511	504.22436	0.20774	ug/L	09/19/10	08:00	
LCSW-1	Cr	202.92228	202.21286	203.63171	0.49441	ug/L	09/19/10	08:00	
LCSW-1	Cu	243.42985	243.03720	243.82250	0.22811	ug/L	09/19/10	08:00	
LCSW-1	Fe	962.98742	957.27844	968.69641	0.83840	ug/L	09/19/10	08:00	
LCSW-1	2Fe	0.96312	0.95741	0.96883	0.83824	mg/L	09/19/10	08:00	
LCSW-1	K	5536.34863	5527.57617	5545.12109	0.22408	ug/L	09/19/10	08:00	
LCSW-1	Mg	5315.93359	5305.83935	5326.02832	0.26854	ug/L	09/19/10	08:00	
LCSW-1	2Mg	5.31449	5.30440	5.32458	0.26852	mg/L	09/19/10	08:00	
LCSW-1	Mn	504.05987	503.51507	504.60464	0.15284	ug/L	09/19/10	08:00	
LCSW-1	Mo	521.21917	519.65765	522.78070	0.42368	ug/L	09/19/10	08:00	
LCSW-1	Na	4857.81689	4851.25634	4864.37744	0.19099	ug/L	09/19/10	08:00	
LCSW-1	Ni	506.52478	506.55258	506.49697	0.00776	ug/L	09/19/10	08:00	
LCSW-1	Pb	506.93164	508.96536	504.89791	0.56735	ug/L	09/19/10	08:00	
LCSW-1	Se	2053.19018	2045.98937	2060.39086	0.49597	ug/L	09/19/10	08:00	
LCSW-1	Sb	483.45590	484.52392	482.38787	0.31242	ug/L	09/19/10	08:00	
LCSW-1	Sn	1059.54833	1053.68627	1065.41027	0.78242	ug/L	09/19/10	08:00	
LCSW-1	Sr	531.74584	531.89294	531.59875	0.03912	ug/L	09/19/10	08:00	
LCSW-1	Ti	711.49060	710.60949	712.37164	0.17512	ug/L	09/19/10	08:00	
LCSW-1	Tl	2111.20312	2114.33642	2108.06958	0.20989	ug/L	09/19/10	08:00	
LCSW-1	V	493.85845	494.31900	493.39794	0.13187	ug/L	09/19/10	08:00	
LCSW-1	Zn	508.09118	507.51361	508.66879	0.16076	ug/L	09/19/10	08:00	
LCSW-1	2203/1	508.23529	507.22888	509.24172	0.28004	ug/L	09/19/10	08:00	
LCSW-1	2203/2	506.28076	509.83227	502.72924	0.99205	ug/L	09/19/10	08:00	
LCSW-1	1960/1	2033.60888	2032.01025	2035.20751	0.11117	ug/L	09/19/10	08:00	
LCSW-1	1960/2	2062.96533	2052.96777	2072.96313	0.68536	ug/L	09/19/10	08:00	
LCSW-1	Y	925.04388	927.81567	922.27209	0.42375		09/19/10	08:00	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL LCSW-1	Ag	10.37572	10.70549	10.04596	4.49473	ug/L	09/19/10	08:05	
RL LCSW-1	Al	210.91079	213.06860	208.75299	1.44686	ug/L	09/19/10	08:05	
RL LCSW-1	2Al	0.21093	0.21308	0.20877	1.44687	mg/L	09/19/10	08:05	
RL LCSW-1	As	20.54420	20.64750	20.44090	0.71110	ug/L	09/19/10	08:05	
RL LCSW-1	B	113.37027	114.72893	112.01161	1.69482	ug/L	09/19/10	08:05	
RL LCSW-1	Ba	10.12005	10.14885	10.09125	0.40244	ug/L	09/19/10	08:05	
RL LCSW-1	Be	3.96470	3.96492	3.96448	0.00788	ug/L	09/19/10	08:05	
RL LCSW-1	Ca	510.90060	510.67843	511.12277	0.06149	ug/L	09/19/10	08:05	
RL LCSW-1	Cd	5.03089	4.72049	5.34128	8.72536	ug/L	09/19/10	08:05	
RL LCSW-1	Co	8.93234	9.18386	8.68082	3.98222	ug/L	09/19/10	08:05	
RL LCSW-1	Cr	9.95897	10.25915	9.65879	4.26263	ug/L	09/19/10	08:05	
RL LCSW-1	Cu	21.01465	21.20669	20.82262	1.29230	ug/L	09/19/10	08:05	
RL LCSW-1	Fe	64.96467	66.06437	63.86497	2.39393	ug/L	09/19/10	08:05	
RL LCSW-1	2Fe	0.06496	0.06606	0.06386	2.39403	mg/L	09/19/10	08:05	
RL LCSW-1	K	1066.20605	1062.94702	1069.46508	0.43227	ug/L	09/19/10	08:05	
RL LCSW-1	Mg	515.71502	520.08703	511.34298	1.19891	ug/L	09/19/10	08:05	
RL LCSW-1	2Mg	0.51556	0.51993	0.51119	1.19887	mg/L	09/19/10	08:05	
RL LCSW-1	Mn	10.16266	10.10319	10.22213	0.82755	ug/L	09/19/10	08:05	
RL LCSW-1	Mo	11.11430	9.54960	12.67900	19.90964	ug/L	09/19/10	08:05	
RL LCSW-1	Na	750.85565	678.62658	823.08471	13.60412	ug/L	09/19/10	08:05	
RL LCSW-1	Ni	41.62898	40.77448	42.48348	2.90290	ug/L	09/19/10	08:05	
RL LCSW-1	Pb	10.29184	11.87623	8.70744	21.77129	ug/L	09/19/10	08:05	
RL LCSW-1	Se	24.01422	22.43548	25.59296	9.29729	ug/L	09/19/10	08:05	
RL LCSW-1	Sb	21.11716	22.18055	20.05377	7.12153	ug/L	09/19/10	08:05	
RL LCSW-1	Sn	53.20343	55.80857	50.59830	6.92476	ug/L	09/19/10	08:05	
RL LCSW-1	Sr	10.38555	10.38301	10.38808	0.03451	ug/L	09/19/10	08:05	
RL LCSW-1	Ti	10.27084	10.58649	9.95519	4.34623	ug/L	09/19/10	08:05	
RL LCSW-1	Tl	28.76705	31.83279	25.70131	15.07143	ug/L	09/19/10	08:05	
RL LCSW-1	V	9.85820	10.18107	9.53532	4.63178	ug/L	09/19/10	08:05	
RL LCSW-1	Zn	22.11615	22.08952	22.14277	0.17025	ug/L	09/19/10	08:05	
RL LCSW-1	2203/1	8.79222	8.21937	9.36508	9.21426	ug/L	09/19/10	08:05	
RL LCSW-1	2203/2	11.04052	13.70192	8.37912	34.09063	ug/L	09/19/10	08:05	
RL LCSW-1	1960/1	25.35722	27.05960	23.65484	9.49446	ug/L	09/19/10	08:05	
RL LCSW-1	1960/2	23.34370	20.12687	26.56054	19.48832	ug/L	09/19/10	08:05	
RL LCSW-1	Y	934.76910	934.67742	934.86077	0.01386		09/19/10	08:05	
CCV	Ag	487.01727	487.26547	486.76907	0.07207	ug/L	09/19/10	08:09	
CCV	Al	4867.92968	4856.79638	4879.06347	0.32344	ug/L	09/19/10	08:09	
CCV	2Al	4.86804	4.85723	4.87884	0.31392	mg/L	09/19/10	08:09	
CCV	As	492.30401	490.01528	494.59271	0.65746	ug/L	09/19/10	08:09	
CCV	B	4876.33007	4866.42480	4886.23583	0.28727	ug/L	09/19/10	08:09	
CCV	Ba	4871.32910	4867.50927	4875.14843	0.11088	ug/L	09/19/10	08:09	
CCV	Be	490.30157	490.10757	490.49557	0.05595	ug/L	09/19/10	08:09	
CCV	Ca	4900.00830	4895.00000	4905.01660	0.14454	ug/L	09/19/10	08:09	
CCV	Cd	499.26025	498.41397	500.10656	0.23972	ug/L	09/19/10	08:09	
CCV	Co	488.77484	487.84713	489.70251	0.26841	ug/L	09/19/10	08:09	
CCV	Cr	4950.64843	4944.80908	4956.48779	0.16680	ug/L	09/19/10	08:09	
CCV	Cu	4832.97705	4826.81738	4839.13671	0.18024	ug/L	09/19/10	08:09	
CCV	Fe	4858.24804	4838.72998	4877.76611	0.56816	ug/L	09/19/10	08:09	
CCV	2Fe	4.85850	4.83898	4.87802	0.56810	mg/L	09/19/10	08:09	
CCV	K	9882.17480	9876.47656	9887.87304	0.08154	ug/L	09/19/10	08:09	
CCV	Mg	5006.05371	5001.97070	5010.13720	0.11535	ug/L	09/19/10	08:09	
CCV	2Mg	5.00605	5.00196	5.01013	0.11528	mg/L	09/19/10	08:09	
CCV	Mn	4942.48437	4937.92285	4947.04638	0.13052	ug/L	09/19/10	08:09	
CCV	Mo	500.24902	499.46383	501.03417	0.22196	ug/L	09/19/10	08:09	
CCV	Na	7511.55175	7453.85693	7569.24609	1.08622	ug/L	09/19/10	08:09	
CCV	Ni	2484.45166	2488.15576	2480.74780	0.21084	ug/L	09/19/10	08:09	
CCV	Pb	502.85659	503.64889	502.06430	0.22282	ug/L	09/19/10	08:09	
CCV	Se	4974.09619	4976.31396	4971.87841	0.06305	ug/L	09/19/10	08:09	
CCV	Sb	492.76660	491.58306	493.95010	0.33966	ug/L	09/19/10	08:09	
CCV	Sn	5004.40234	4994.98144	5013.82373	0.26623	ug/L	09/19/10	08:09	
CCV	Sr	2473.38330	2469.70361	2477.06323	0.21040	ug/L	09/19/10	08:09	
CCV	Ti	487.64990	487.15716	488.14260	0.14289	ug/L	09/19/10	08:09	
CCV	Tl	5026.05957	5013.20214	5038.91650	0.36177	ug/L	09/19/10	08:09	
CCV	V	4896.76171	4893.75292	4899.77001	0.08688	ug/L	09/19/10	08:09	
CCV	Zn	2459.00415	2457.50927	2460.49902	0.08597	ug/L	09/19/10	08:09	
CCV	2203/1	500.57546	501.77572	499.37521	0.33909	ug/L	09/19/10	08:09	
CCV	2203/2	503.99121	504.57983	503.40255	0.16517	ug/L	09/19/10	08:09	
CCV	1960/1	4933.40917	4913.75781	4953.06005	0.56332	ug/L	09/19/10	08:09	
CCV	1960/2	4994.40917	5007.54541	4981.27343	0.37195	ug/L	09/19/10	08:09	
CCV	Y	907.50531	907.43109	907.57952	0.01156		09/19/10	08:09	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.27486	-0.63895	0.08922	187.33110	ug/L	09/19/10	08:14	
CCB	Al	2.92639	4.02403	1.82875	53.04459	ug/L	09/19/10	08:14	
CCB	2Al	0.00292	0.00402	0.00182	53.04460	mg/L	09/19/10	08:14	
CCB	As	-2.83912	-3.63611	-2.04213	39.69951	ug/L	09/19/10	08:14	
CCB	B	23.43559	26.43324	20.43793	18.08926	ug/L	09/19/10	08:14	
CCB	Ba	-0.15317	-0.20332	-0.10302	46.29796	ug/L	09/19/10	08:14	
CCB	Be	0.00832	-0.01092	0.02757	327.09423	ug/L	09/19/10	08:14	
CCB	Ca	-1.15816	-1.98554	-0.33078	101.02996	ug/L	09/19/10	08:14	
CCB	Cd	-0.32975	-0.45425	-0.20525	53.39402	ug/L	09/19/10	08:14	
CCB	Co	-1.38561	-1.16719	-1.60403	22.29280	ug/L	09/19/10	08:14	
CCB	Cr	-0.29045	-0.22898	-0.35192	29.93093	ug/L	09/19/10	08:14	
CCB	Cu	-0.78859	-0.86130	-0.71587	13.04023	ug/L	09/19/10	08:14	
CCB	Fe	-1.86409	2.66238	-6.39057	343.40499	ug/L	09/19/10	08:14	
CCB	2Fe	-0.00186	0.00266	-0.00639	343.33123	mg/L	09/19/10	08:14	
CCB	K	3.04268	3.10201	2.98336	2.75756	ug/L	09/19/10	08:14	
CCB	Mg	-1.63515	-1.63576	-1.63453	0.05329	ug/L	09/19/10	08:14	
CCB	2Mg	-0.00163	-0.00163	-0.00163	0.11996	mg/L	09/19/10	08:14	
CCB	Mn	-0.06196	-0.00599	-0.11793	127.72952	ug/L	09/19/10	08:14	
CCB	Mo	0.82313	-0.00097	1.64724	141.58877	ug/L	09/19/10	08:14	
CCB	Na	-86.88722	-327.11816	153.34371	391.01016	ug/L	09/19/10	08:14	
CCB	Ni	0.59198	0.72451	0.45946	31.65875	ug/L	09/19/10	08:14	
CCB	Pb	-1.36736	-0.81005	-1.92467	57.64024	ug/L	09/19/10	08:14	
CCB	Se	3.46540	3.12143	3.80936	14.03694	ug/L	09/19/10	08:14	
CCB	Sb	-1.71899	-1.73038	-1.70759	0.93726	ug/L	09/19/10	08:14	
CCB	Sn	-1.15534	-1.85214	-0.45853	85.29318	ug/L	09/19/10	08:14	
CCB	Sr	-0.06341	-0.04511	-0.08170	40.79691	ug/L	09/19/10	08:14	
CCB	Ti	0.00334	-0.18185	0.18853	7833.48486	ug/L	09/19/10	08:14	
CCB	Tl	4.65274	-3.03598	12.34147	233.70097	ug/L	09/19/10	08:14	
CCB	V	0.31681	-0.01242	0.64606	146.96896	ug/L	09/19/10	08:14	
CCB	Zn	-0.12344	-0.09319	-0.15370	34.65781	ug/L	09/19/10	08:14	
CCB	2203/1	-2.60288	-3.62517	-1.58058	55.54420	ug/L	09/19/10	08:14	
CCB	2203/2	-0.75053	0.59539	-2.09646	253.60990	ug/L	09/19/10	08:14	
CCB	1960/1	-1.43213	-1.90435	-0.95991	46.63105	ug/L	09/19/10	08:14	
CCB	1960/2	5.91049	5.63056	6.19042	6.69793	ug/L	09/19/10	08:14	
CCB	Y	909.16406	908.60095	909.72711	0.08758		09/19/10	08:14	
61322-1 1/10 180221	Ag	0.56351	0.61529	0.51174	12.99240	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Al	782.18487	846.76049	717.60925	11.67546	ug/L	09/19/10	08:19	
61322-1 1/10 180221	2Al	0.78226	0.84684	0.71767	11.67546	mg/L	09/19/10	08:19	
61322-1 1/10 180221	As	7.11726	9.33189	4.90264	44.00499	ug/L	09/19/10	08:19	
61322-1 1/10 180221	B	33.97178	36.33481	31.60875	9.83707	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Ba	249.07894	269.58175	228.57615	11.64102	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Be	0.01373	0.00677	0.02070	71.69101	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Ca	79176.28125	85716.43750	72636.13281	11.68174	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Cd	16.37277	17.50743	15.23812	9.80066	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Co	13.37717	14.45225	12.30210	11.36552	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Cr	1705.37097	1844.17150	1566.57043	11.51031	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Cu	69.12854	74.64435	63.61273	11.28409	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Fe	155751.03125	168374.21875	143127.84375	11.46180	ug/L	09/19/10	08:19	
61322-1 1/10 180221	2Fe	155.73089	168.34570	143.11608	11.45567	mg/L	09/19/10	08:19	
61322-1 1/10 180221	K	1025.28735	1116.43115	934.14355	12.57177	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Mg	2972.43457	3217.42578	2727.44360	11.65609	ug/L	09/19/10	08:19	
61322-1 1/10 180221	2Mg	2.94470	3.18744	2.70196	11.65792	mg/L	09/19/10	08:19	
61322-1 1/10 180221	Mn	1080.54248	1168.87634	992.20867	11.56112	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Mo	4.87066	6.56964	3.17169	49.33029	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Na	6723.75488	7527.13769	5920.37158	16.89763	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Ni	61.42241	66.81574	56.02909	12.41780	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Pb	3619.77392	3956.33496	3283.21313	13.14913	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Se	1.56210	-0.42413	3.54833	179.81942	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Sb	10.60269	13.79069	7.41469	42.52231	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Sn	3.21839	2.33796	4.09882	38.68733	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Sr	78.40132	84.95589	71.84674	11.82322	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Ti	82.37492	89.20016	75.54969	11.71757	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Tl	2.88030	4.57213	1.18848	83.06763	ug/L	09/19/10	08:19	
61322-1 1/10 180221	V	57.94567	61.64913	54.24222	9.03858	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Zn	26128.79492	28208.96093	24048.62890	11.25883	ug/L	09/19/10	08:19	
61322-1 1/10 180221	2203/1	3447.55395	3707.37231	3187.73559	10.65795	ug/L	09/19/10	08:19	
61322-1 1/10 180221	2203/2	3705.75488	4080.62939	3330.88037	14.30619	ug/L	09/19/10	08:19	
61322-1 1/10 180221	1960/1	3.17386	-0.11935	6.46708	146.73979	ug/L	09/19/10	08:19	
61322-1 1/10 180221	1960/2	0.75742	-0.57629	2.09114	249.02264	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Y	900.87487	901.80895	899.94079	0.14663		09/19/10	08:19	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61322-2 1/10	Ag	0.39654	0.39738	0.39570	0.29975	ug/L	09/19/10	08:23	
61322-2 1/10	Al	1007.21948	1029.27478	985.16418	3.09673	ug/L	09/19/10	08:23	
61322-2 1/10	2Al	1.00731	1.02937	0.98526	3.09672	mg/L	09/19/10	08:23	
61322-2 1/10	As	5.26978	5.74847	4.79109	12.84629	ug/L	09/19/10	08:23	
61322-2 1/10	B	33.68869	34.14782	33.22955	1.92739	ug/L	09/19/10	08:23	
61322-2 1/10	Ba	75.34296	76.63435	74.05157	2.42398	ug/L	09/19/10	08:23	
61322-2 1/10	Be	0.04677	0.01606	0.07748	92.84172	ug/L	09/19/10	08:23	
61322-2 1/10	Ca	51943.92187	52891.64453	50996.19921	2.58024	ug/L	09/19/10	08:23	
61322-2 1/10	Cd	30.63415	31.06263	30.20568	1.97802	ug/L	09/19/10	08:23	
61322-2 1/10	Co	11.58540	11.13552	12.03528	5.49165	ug/L	09/19/10	08:23	
61322-2 1/10	Cr	1087.96093	1108.82983	1067.09216	2.71268	ug/L	09/19/10	08:23	
61322-2 1/10	Cu	78.39976	79.94189	76.85764	2.78176	ug/L	09/19/10	08:23	
61322-2 1/10	Fe	211033.78125	214864.79687	207202.75000	2.56730	ug/L	09/19/10	08:23	
61322-2 1/10	2Fe	211.00856	214.83195	207.18516	2.56250	mg/L	09/19/10	08:23	
61322-2 1/10	K	1211.32885	1230.84960	1191.80810	2.27902	ug/L	09/19/10	08:23	
61322-2 1/10	Mg	2182.02709	2221.58276	2142.47143	2.56367	ug/L	09/19/10	08:23	
61322-2 1/10	2Mg	2.14489	2.18378	2.10601	2.56370	mg/L	09/19/10	08:23	
61322-2 1/10	Mn	1298.01696	1322.12524	1273.90869	2.62664	ug/L	09/19/10	08:23	
61322-2 1/10	Mo	6.92556	7.63697	6.21414	14.52720	ug/L	09/19/10	08:23	
61322-2 1/10	Na	15279.33398	15403.74707	15154.91992	1.15153	ug/L	09/19/10	08:23	
61322-2 1/10	Ni	47.70191	47.97420	47.42963	0.80725	ug/L	09/19/10	08:23	
61322-2 1/10	Pb	2601.84667	2647.33911	2556.35400	2.47271	ug/L	09/19/10	08:23	
61322-2 1/10	Se	6.70653	4.87203	8.54103	38.68429	ug/L	09/19/10	08:23	
61322-2 1/10	Sb	11.27361	9.52161	13.02561	21.97784	ug/L	09/19/10	08:23	
61322-2 1/10	Sn	4.92409	3.10566	6.74253	52.22592	ug/L	09/19/10	08:23	
61322-2 1/10	Sr	51.71086	52.74514	50.67657	2.82862	ug/L	09/19/10	08:23	
61322-2 1/10	Ti	164.68316	168.15214	161.21418	2.97897	ug/L	09/19/10	08:23	
61322-2 1/10	Tl	8.07675	10.93667	5.21683	50.07633	ug/L	09/19/10	08:23	
61322-2 1/10	V	50.29347	50.91237	49.67458	1.74027	ug/L	09/19/10	08:23	
61322-2 1/10	Zn	116065.56250	117934.09375	114197.03906	2.27672	ug/L	09/19/10	08:23	
61322-2 1/10	2203/1	2574.85888	2620.40747	2529.31030	2.50170	ug/L	09/19/10	08:23	
61322-2 1/10	2203/2	2615.32031	2660.78491	2569.85571	2.45846	ug/L	09/19/10	08:23	
61322-2 1/10	1960/1	3.44186	6.94209	-0.05836	143.81945	ug/L	09/19/10	08:23	
61322-2 1/10	1960/2	8.33641	3.83855	12.83428	76.30308	ug/L	09/19/10	08:23	
61322-2 1/10	Y	917.64959	916.15240	919.14678	0.23073		09/19/10	08:23	
61322-3 1/10	Ag	-0.09273	-0.06683	-0.11863	39.49822	ug/L	09/19/10	08:28	
61322-3 1/10	Al	2508.08251	2588.24072	2427.92456	4.51981	ug/L	09/19/10	08:28	
61322-3 1/10	2Al	2.50822	2.58827	2.42816	4.51385	mg/L	09/19/10	08:28	
61322-3 1/10	As	3.10291	6.50802	-0.30219	155.19429	ug/L	09/19/10	08:28	
61322-3 1/10	B	22.94561	24.43056	21.46066	9.15224	ug/L	09/19/10	08:28	
61322-3 1/10	Ba	147.75122	152.56922	142.93322	4.61159	ug/L	09/19/10	08:28	
61322-3 1/10	Be	0.04414	0.04421	0.04408	0.21839	ug/L	09/19/10	08:28	
61322-3 1/10	Ca	28353.64257	29222.99218	27484.29296	4.33611	ug/L	09/19/10	08:28	
61322-3 1/10	Cd	8.76539	9.17163	8.35916	6.55420	ug/L	09/19/10	08:28	
61322-3 1/10	Co	5.81679	6.07153	5.56205	6.19337	ug/L	09/19/10	08:28	
61322-3 1/10	Cr	2063.37646	2128.35083	1998.40185	4.45327	ug/L	09/19/10	08:28	
61322-3 1/10	Cu	27.62919	28.31090	26.94747	3.48939	ug/L	09/19/10	08:28	
61322-3 1/10	Fe	50644.59765	52181.20703	49107.98828	4.29086	ug/L	09/19/10	08:28	
61322-3 1/10	2Fe	50.63743	52.17166	49.10321	4.28482	mg/L	09/19/10	08:28	
61322-3 1/10	K	1314.94848	1363.36645	1266.53039	5.20730	ug/L	09/19/10	08:28	
61322-3 1/10	Mg	2158.36523	2226.33740	2090.39282	4.45371	ug/L	09/19/10	08:28	
61322-3 1/10	2Mg	2.14899	2.21668	2.08130	4.45440	mg/L	09/19/10	08:28	
61322-3 1/10	Mn	316.42880	326.24874	306.60885	4.38882	ug/L	09/19/10	08:28	
61322-3 1/10	Mo	2.46401	2.50284	2.42517	2.22899	ug/L	09/19/10	08:28	
61322-3 1/10	Na	12990.44531	13506.36621	12474.52539	5.61660	ug/L	09/19/10	08:28	
61322-3 1/10	Ni	20.32738	20.33439	20.32037	0.04874	ug/L	09/19/10	08:28	
61322-3 1/10	Pb	4357.88183	4509.66601	4206.09716	4.92568	ug/L	09/19/10	08:28	
61322-3 1/10	Se	4.04328	4.77666	3.30990	25.65118	ug/L	09/19/10	08:28	
61322-3 1/10	Sb	3495.08300	3592.24316	3397.92285	3.93138	ug/L	09/19/10	08:28	
61322-3 1/10	Sn	8.42204	9.41913	7.42495	16.74299	ug/L	09/19/10	08:28	
61322-3 1/10	Sr	52.85012	54.60467	51.09558	4.69498	ug/L	09/19/10	08:28	
61322-3 1/10	Ti	757.11724	780.44012	733.79437	4.35646	ug/L	09/19/10	08:28	
61322-3 1/10	Tl	0.15668	-1.91046	2.22383	1865.79235	ug/L	09/19/10	08:28	
61322-3 1/10	V	23.25487	23.55408	22.95565	1.81962	ug/L	09/19/10	08:28	
61322-3 1/10	Zn	45641.14062	46955.70703	44326.57031	4.07325	ug/L	09/19/10	08:28	
61322-3 1/10	2203/1	4270.51269	4369.39990	4171.62548	3.27472	ug/L	09/19/10	08:28	
61322-3 1/10	2203/2	4401.50048	4579.69384	4223.30712	5.72539	ug/L	09/19/10	08:28	
61322-3 1/10	1960/1	-4.00610	-5.04764	-2.96455	36.76814	ug/L	09/19/10	08:28	
61322-3 1/10	1960/2	8.06194	9.68145	6.44243	28.40913	ug/L	09/19/10	08:28	
61322-3 1/10	Y	912.50756	912.61669	912.39849	0.01690		09/19/10	08:28	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61322-4 1/10	Ag	0.11418	0.14055	0.08781	32.66400	ug/L	09/19/10	08:32	
61322-4 1/10	Al	2723.70239	2770.49487	2676.90991	2.42958	ug/L	09/19/10	08:32	
61322-4 1/10	2Al	2.72375	2.77054	2.67695	2.42974	mg/L	09/19/10	08:32	
61322-4 1/10	As	6.99687	6.05134	7.94240	19.11114	ug/L	09/19/10	08:32	
61322-4 1/10	B	20.67336	20.75391	20.59282	0.55099	ug/L	09/19/10	08:32	
61322-4 1/10	Ba	802.16833	818.17596	786.16076	2.82212	ug/L	09/19/10	08:32	
61322-4 1/10	Be	0.02205	0.01314	0.03097	57.15110	ug/L	09/19/10	08:32	
61322-4 1/10	Ca	51212.83203	52198.45703	50227.20703	2.72174	ug/L	09/19/10	08:32	
61322-4 1/10	Cd	25.46726	26.12360	24.81092	3.64468	ug/L	09/19/10	08:32	
61322-4 1/10	Co	5.43087	4.92377	5.93796	13.20493	ug/L	09/19/10	08:32	
61322-4 1/10	Cr	1196.44970	1219.34460	1173.55493	2.70618	ug/L	09/19/10	08:32	
61322-4 1/10	Cu	34.83390	35.39007	34.27771	2.25802	ug/L	09/19/10	08:32	
61322-4 1/10	Fe	28189.17187	28731.62109	27646.72265	2.72139	ug/L	09/19/10	08:32	
61322-4 1/10	2Fe	28.18538	28.72722	27.64354	2.71869	mg/L	09/19/10	08:32	
61322-4 1/10	K	703.66870	710.58880	696.74859	1.39078	ug/L	09/19/10	08:32	
61322-4 1/10	Mg	2343.73120	2391.71435	2295.74804	2.89531	ug/L	09/19/10	08:32	
61322-4 1/10	2Mg	2.33823	2.38611	2.29035	2.89568	mg/L	09/19/10	08:32	
61322-4 1/10	Mn	264.65829	269.89059	259.42599	2.79590	ug/L	09/19/10	08:32	
61322-4 1/10	Mo	1.32150	-1.40990	4.05291	292.30209	ug/L	09/19/10	08:32	
61322-4 1/10	Na	7352.68017	7616.07666	7089.28369	5.06616	ug/L	09/19/10	08:32	
61322-4 1/10	Ni	22.10517	22.28066	21.92968	1.12272	ug/L	09/19/10	08:32	
61322-4 1/10	Pb	2193.83593	2250.31225	2137.35961	3.64063	ug/L	09/19/10	08:32	
61322-4 1/10	Se	4.47262	4.55286	4.39238	2.53724	ug/L	09/19/10	08:32	
61322-4 1/10	Sb	7469.98046	7612.54101	7327.42041	2.69894	ug/L	09/19/10	08:32	
61322-4 1/10	Sn	12.04436	14.33719	9.75154	26.92165	ug/L	09/19/10	08:32	
61322-4 1/10	Sr	148.88729	151.83818	145.93643	2.80290	ug/L	09/19/10	08:32	
61322-4 1/10	Ti	585.62963	596.77038	574.48889	2.69033	ug/L	09/19/10	08:32	
61322-4 1/10	Tl	5.55529	4.67162	6.43895	22.49546	ug/L	09/19/10	08:32	
61322-4 1/10	V	33.49626	33.59474	33.39777	0.41580	ug/L	09/19/10	08:32	
61322-4 1/10	Zn	84850.18750	86489.58593	83210.78125	2.73242	ug/L	09/19/10	08:32	
61322-4 1/10	2203/1	2167.52368	2209.96191	2125.08544	2.76890	ug/L	09/19/10	08:32	
61322-4 1/10	2203/2	2206.97241	2270.45727	2143.48754	4.06806	ug/L	09/19/10	08:32	
61322-4 1/10	1960/1	1.47499	2.43916	0.51083	92.44338	ug/L	09/19/10	08:32	
61322-4 1/10	1960/2	5.96919	5.60813	6.33024	8.55408	ug/L	09/19/10	08:32	
61322-4 1/10	Y	913.96551	911.96197	915.96905	0.31001		09/19/10	08:32	
RL ICP	Ag	10.08713	10.01356	10.16070	1.03142	ug/L	09/19/10	08:41	
RL ICP	Al	210.31781	214.81010	205.82550	3.02070	ug/L	09/19/10	08:41	
RL ICP	2Al	0.21033	0.21483	0.20584	3.02069	mg/L	09/19/10	08:41	
RL ICP	As	19.35330	18.06542	20.64118	9.41098	ug/L	09/19/10	08:41	
RL ICP	B	109.84554	111.03186	108.65922	1.52733	ug/L	09/19/10	08:41	
RL ICP	Ba	9.81392	9.78929	9.83855	0.35492	ug/L	09/19/10	08:41	
RL ICP	Be	3.92198	3.92711	3.91685	0.18502	ug/L	09/19/10	08:41	
RL ICP	Ca	498.05886	497.98501	498.13272	0.02097	ug/L	09/19/10	08:41	
RL ICP	Cd	5.10069	5.17388	5.02750	2.02930	ug/L	09/19/10	08:41	
RL ICP	Co	9.67744	9.50635	9.84853	2.50028	ug/L	09/19/10	08:41	
RL ICP	Cr	10.36642	10.00383	10.72900	4.94641	ug/L	09/19/10	08:41	
RL ICP	Cu	21.10205	21.51858	20.68551	2.79154	ug/L	09/19/10	08:41	
RL ICP	Fe	48.89528	49.49333	48.29723	1.72976	ug/L	09/19/10	08:41	
RL ICP	2Fe	0.04889	0.04949	0.04829	1.72946	mg/L	09/19/10	08:41	
RL ICP	K	995.35009	994.90905	995.79113	0.06266	ug/L	09/19/10	08:41	
RL ICP	Mg	507.76025	510.90002	504.62051	0.87448	ug/L	09/19/10	08:41	
RL ICP	2Mg	0.50761	0.51075	0.50447	0.87445	mg/L	09/19/10	08:41	
RL ICP	Mn	9.91050	9.92054	9.90046	0.14323	ug/L	09/19/10	08:41	
RL ICP	Mo	9.40401	10.85137	7.95666	21.76590	ug/L	09/19/10	08:41	
RL ICP	Na	888.22802	962.79058	813.66540	11.87166	ug/L	09/19/10	08:41	
RL ICP	Ni	41.53694	42.08108	40.99280	1.85263	ug/L	09/19/10	08:41	
RL ICP	Pb	9.14489	7.35542	10.93435	27.67325	ug/L	09/19/10	08:41	
RL ICP	Se	25.13714	23.53250	26.74178	9.02769	ug/L	09/19/10	08:41	
RL ICP	Sb	26.18872	26.27690	26.10054	0.47618	ug/L	09/19/10	08:41	
RL ICP	Sn	51.48348	51.72658	51.24038	0.66777	ug/L	09/19/10	08:41	
RL ICP	Sr	10.11816	10.11119	10.12514	0.09750	ug/L	09/19/10	08:41	
RL ICP	Ti	9.93216	9.98174	9.88258	0.70596	ug/L	09/19/10	08:41	
RL ICP	Tl	27.73805	28.34738	27.12873	3.10662	ug/L	09/19/10	08:41	
RL ICP	V	10.17880	10.18150	10.17610	0.03752	ug/L	09/19/10	08:41	
RL ICP	Zn	21.61717	21.74465	21.48970	0.83394	ug/L	09/19/10	08:41	
RL ICP	2203/1	9.45281	6.18667	12.71895	48.86400	ug/L	09/19/10	08:41	
RL ICP	2203/2	8.99116	7.93892	10.04339	16.55055	ug/L	09/19/10	08:41	
RL ICP	1960/1	25.08845	27.56699	22.60991	13.97131	ug/L	09/19/10	08:41	
RL ICP	1960/2	25.16143	21.51825	28.80460	20.47666	ug/L	09/19/10	08:41	
RL ICP	Y	914.87341	914.51989	915.22698	0.05465		09/19/10	08:41	

D091810

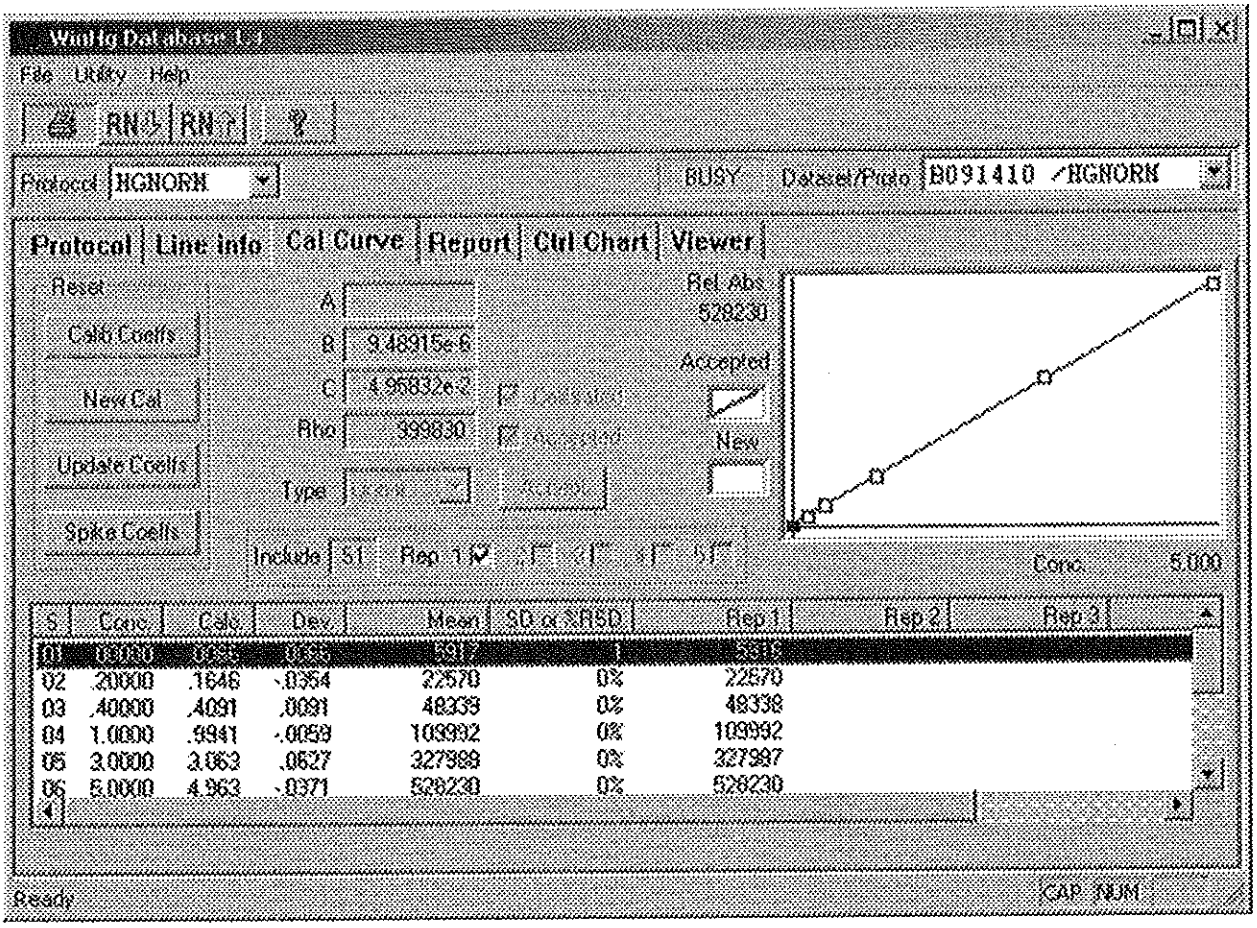
SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP	Ag	9.86345	10.28070	9.44620	5.98251	ug/L	09/19/10	08:49	
RL ICP	Al	209.96429	210.93728	208.99130	0.65535	ug/L	09/19/10	08:49	
RL ICP	2Al	0.20998	0.21095	0.20901	0.65536	mg/L	09/19/10	08:49	
RL ICP	As	19.57840	17.25813	21.89868	16.76012	ug/L	09/19/10	08:49	
RL ICP	B	108.01854	107.41782	108.61927	0.78648	ug/L	09/19/10	08:49	
RL ICP	Ba	9.71175	9.81770	9.60581	1.54273	ug/L	09/19/10	08:49	
RL ICP	Be	3.91824	3.91650	3.91998	0.06283	ug/L	09/19/10	08:49	
RL ICP	Ca	495.90844	496.02081	495.79608	0.03204	ug/L	09/19/10	08:49	
RL ICP	Cd	4.88294	4.99343	4.77244	3.20020	ug/L	09/19/10	08:49	
RL ICP	Co	9.61856	9.89592	9.34121	4.07796	ug/L	09/19/10	08:49	
RL ICP	Cr	9.91238	10.02337	9.80140	1.58343	ug/L	09/19/10	08:49	
RL ICP	Cu	20.00112	19.83090	20.17134	1.20357	ug/L	09/19/10	08:49	
RL ICP	Fe	59.87706	69.10918	50.64495	21.80497	ug/L	09/19/10	08:49	
RL ICP	2Fe	0.05987	0.06910	0.05064	21.80373	mg/L	09/19/10	08:49	
RL ICP	K	991.91595	1004.29284	979.53906	1.76462	ug/L	09/19/10	08:49	
RL ICP	Mg	503.55249	502.02908	505.07589	0.42784	ug/L	09/19/10	08:49	
RL ICP	2Mg	0.50340	0.50187	0.50492	0.42828	mg/L	09/19/10	08:49	
RL ICP	Mn	9.82682	9.94195	9.71169	1.65684	ug/L	09/19/10	08:49	
RL ICP	Mo	10.45520	11.30690	9.60351	11.52035	ug/L	09/19/10	08:49	
RL ICP	Na	999.68139	1118.98120	880.38165	16.87691	ug/L	09/19/10	08:49	
RL ICP	Ni	40.61508	39.92286	41.30729	2.41029	ug/L	09/19/10	08:49	
RL ICP	Pb	8.96538	7.80455	10.12621	18.31108	ug/L	09/19/10	08:49	
RL ICP	Se	25.37403	21.96924	28.77882	18.97649	ug/L	09/19/10	08:49	
RL ICP	Sb	19.49360	21.14954	17.83766	12.01342	ug/L	09/19/10	08:49	
RL ICP	Sn	51.73221	50.71699	52.74744	2.77532	ug/L	09/19/10	08:49	
RL ICP	Sr	10.09050	10.12666	10.05434	0.50679	ug/L	09/19/10	08:49	
RL ICP	Ti	9.62999	9.71358	9.54639	1.22761	ug/L	09/19/10	08:49	
RL ICP	Tl	26.72309	26.78218	26.66399	0.31272	ug/L	09/19/10	08:49	
RL ICP	V	10.45713	10.62379	10.29046	2.25398	ug/L	09/19/10	08:49	
RL ICP	Zn	21.03093	21.21157	20.85029	1.21470	ug/L	09/19/10	08:49	
RL ICP	2203/1	9.60428	7.87799	11.33058	25.41937	ug/L	09/19/10	08:49	
RL ICP	2203/2	8.64641	7.76789	9.52492	14.36911	ug/L	09/19/10	08:49	
RL ICP	1960/1	25.28633	20.99505	29.57761	24.00027	ug/L	09/19/10	08:49	
RL ICP	1960/2	25.41779	22.45557	28.38000	16.48136	ug/L	09/19/10	08:49	
RL ICP	Y	911.80480	909.21203	914.39764	0.40214		09/19/10	08:49	
ICSA61	Ag	0.45508	0.59320	0.31697	42.91928	ug/L	09/19/10	08:54	
ICSA61	Al	515161.43750	515564.59375	514758.31250	0.11066	ug/L	09/19/10	08:54	
ICSA61	2Al	515.16772	515.58569	514.74975	0.11473	mg/L	09/19/10	08:54	
ICSA61	As	-5.69662	-9.26032	-2.13291	88.47062	ug/L	09/19/10	08:54	
ICSA61	B	22.49907	23.36093	21.63722	5.41730	ug/L	09/19/10	08:54	
ICSA61	Ba	0.67098	0.64276	0.69920	5.94805	ug/L	09/19/10	08:54	
ICSA61	Be	0.09810	0.07694	0.11926	30.49673	ug/L	09/19/10	08:54	
ICSA61	Ca	527653.87500	528284.37500	527023.31250	0.16899	ug/L	09/19/10	08:54	
ICSA61	Cd	-0.20633	0.08507	-0.49773	199.73121	ug/L	09/19/10	08:54	
ICSA61	Co	0.41854	0.43437	0.40272	5.34591	ug/L	09/19/10	08:54	
ICSA61	Cr	1.41212	1.58923	1.23501	17.73763	ug/L	09/19/10	08:54	
ICSA61	Cu	1.73573	1.99174	1.47971	20.85958	ug/L	09/19/10	08:54	
ICSA61	Fe	188399.01562	188545.59375	188252.43750	0.11002	ug/L	09/19/10	08:54	
ICSA61	2Fe	188.36895	188.52084	188.21705	0.11403	mg/L	09/19/10	08:54	
ICSA61	K	-8.78706	-13.78708	-3.78703	80.47181	ug/L	09/19/10	08:54	
ICSA61	Mg	523856.68750	524456.56250	523256.81250	0.16194	ug/L	09/19/10	08:54	
ICSA61	2Mg	523.63220	524.24725	523.01708	0.16611	mg/L	09/19/10	08:54	
ICSA61	Mn	-1.32784	-1.31293	-1.34275	1.58846	ug/L	09/19/10	08:54	
ICSA61	Mo	-1.28364	-1.49360	-1.07367	23.13200	ug/L	09/19/10	08:54	
ICSA61	Na	-163.17462	-49.72314	-276.62609	98.32694	ug/L	09/19/10	08:54	
ICSA61	Ni	0.02813	0.03453	0.02173	32.17377	ug/L	09/19/10	08:54	
ICSA61	Pb	-3.71328	-5.27314	-2.15341	59.40775	ug/L	09/19/10	08:54	
ICSA61	Se	9.39822	10.42356	8.37289	15.42885	ug/L	09/19/10	08:54	
ICSA61	Sb	-1.72815	-1.78802	-1.66829	4.89900	ug/L	09/19/10	08:54	
ICSA61	Sn	3.62772	4.81708	2.43836	46.36546	ug/L	09/19/10	08:54	
ICSA61	Sr	2.34944	2.36001	2.33887	0.63632	ug/L	09/19/10	08:54	
ICSA61	Ti	1.68879	1.77034	1.60725	6.82872	ug/L	09/19/10	08:54	
ICSA61	Tl	4.13268	4.79754	3.46782	22.75163	ug/L	09/19/10	08:54	
ICSA61	V	-7.68618	-7.89544	-7.47693	3.85017	ug/L	09/19/10	08:54	
ICSA61	Zn	4.93904	4.92226	4.95581	0.48025	ug/L	09/19/10	08:54	
ICSA61	2203/1	79.27369	81.71754	76.82984	4.35974	ug/L	09/19/10	08:54	
ICSA61	2203/2	-45.14455	-48.70327	-41.58584	11.14815	ug/L	09/19/10	08:54	
ICSA61	1960/1	7.68433	6.43123	8.93744	23.06196	ug/L	09/19/10	08:54	
ICSA61	1960/2	10.25389	12.41673	8.09104	29.82988	ug/L	09/19/10	08:54	
ICSA61	Y	865.79772	863.37951	868.21594	0.39499		09/19/10	08:54	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB61	Ag	205.23135	204.45581	206.00691	0.53441	ug/L	09/19/10	08:58	
ICSAB61	Al	511452.53125	510492.46875	512412.59375	0.26546	ug/L	09/19/10	08:58	
ICSAB61	2Al	511.46368	510.52316	512.40417	0.26005	mg/L	09/19/10	08:58	
ICSAB61	As	99.18635	97.94338	100.42932	1.77224	ug/L	09/19/10	08:58	
ICSAB61	B	22.26923	22.44782	22.09065	1.13409	ug/L	09/19/10	08:58	
ICSAB61	Ba	517.01385	516.47741	517.55029	0.14673	ug/L	09/19/10	08:58	
ICSAB61	Be	504.49343	503.74487	505.24200	0.20984	ug/L	09/19/10	08:58	
ICSAB61	Ca	522826.56250	522259.59375	523393.53125	0.15336	ug/L	09/19/10	08:58	
ICSAB61	Cd	974.70251	975.12762	974.27740	0.06167	ug/L	09/19/10	08:58	
ICSAB61	Co	470.37561	469.87335	470.87783	0.15100	ug/L	09/19/10	08:58	
ICSAB61	Cr	488.59390	488.53204	488.65576	0.01790	ug/L	09/19/10	08:58	
ICSAB61	Cu	520.63909	519.72467	521.55352	0.24838	ug/L	09/19/10	08:58	
ICSAB61	Fe	187528.78125	187277.06250	187780.48437	0.18982	ug/L	09/19/10	08:58	
ICSAB61	2Fe	187.50064	187.25613	187.74514	0.18441	mg/L	09/19/10	08:58	
ICSAB61	K	-8.67192	-18.92973	1.58588	167.28392	ug/L	09/19/10	08:58	
ICSAB61	Mg	519758.15625	519020.18750	520496.12500	0.20079	ug/L	09/19/10	08:58	
ICSAB61	2Mg	519.53955	518.82208	520.25695	0.19529	mg/L	09/19/10	08:58	
ICSAB61	Mn	488.97808	488.25271	489.70343	0.20978	ug/L	09/19/10	08:58	
ICSAB61	Mo	987.81042	979.59783	996.02294	1.17576	ug/L	09/19/10	08:58	
ICSAB61	Na	-93.83033	-198.37678	10.71611	157.57270	ug/L	09/19/10	08:58	
ICSAB61	Ni	942.25463	939.99542	944.51385	0.33908	ug/L	09/19/10	08:58	
ICSAB61	Pb	45.85596	45.90785	45.80407	0.16002	ug/L	09/19/10	08:58	
ICSAB61	Se	56.98941	55.55318	58.42564	3.56406	ug/L	09/19/10	08:58	
ICSAB61	Sb	606.79223	610.28857	603.29589	0.81487	ug/L	09/19/10	08:58	
ICSAB61	Sn	980.62780	983.56958	977.68603	0.42424	ug/L	09/19/10	08:58	
ICSAB61	Sr	2.32676	2.36286	2.29067	2.19373	ug/L	09/19/10	08:58	
ICSAB61	Ti	1.84007	1.66564	2.01451	13.40637	ug/L	09/19/10	08:58	
ICSAB61	Tl	102.25173	100.55575	103.94772	2.34566	ug/L	09/19/10	08:58	
ICSAB61	V	485.23944	486.49447	483.98437	0.36578	ug/L	09/19/10	08:58	
ICSAB61	Zn	955.44348	953.11743	957.76947	0.34428	ug/L	09/19/10	08:58	
ICSAB61	2203/1	127.85235	133.21206	122.49263	5.92854	ug/L	09/19/10	08:58	
ICSAB61	2203/2	4.91923	2.32119	7.51727	74.69016	ug/L	09/19/10	08:58	
ICSAB61	1960/1	49.69477	56.52948	42.86005	19.45022	ug/L	09/19/10	08:58	
ICSAB61	1960/2	60.63126	55.06575	66.19676	12.98144	ug/L	09/19/10	08:58	
ICSAB61	Y	857.33398	854.12573	860.54229	0.52922		09/19/10	08:58	
CCV	Ag	488.56134	488.67584	488.44683	0.03314	ug/L	09/19/10	09:05	
CCV	Al	4869.42089	4870.09960	4868.74218	0.01971	ug/L	09/19/10	09:05	
CCV	2Al	4.86964	4.87010	4.86918	0.01335	mg/L	09/19/10	09:05	
CCV	As	498.38244	497.81710	498.94778	0.16042	ug/L	09/19/10	09:05	
CCV	B	4891.56054	4880.17480	4902.94628	0.32917	ug/L	09/19/10	09:05	
CCV	Ba	4870.43554	4866.74169	4874.12988	0.10726	ug/L	09/19/10	09:05	
CCV	Be	492.82360	492.51620	493.13104	0.08821	ug/L	09/19/10	09:05	
CCV	Ca	4924.33203	4925.63232	4923.03173	0.03734	ug/L	09/19/10	09:05	
CCV	Cd	501.78820	501.39660	502.17977	0.11036	ug/L	09/19/10	09:05	
CCV	Co	492.37506	492.43399	492.31613	0.01692	ug/L	09/19/10	09:05	
CCV	Cr	4987.78710	4985.14013	4990.43408	0.07505	ug/L	09/19/10	09:05	
CCV	Cu	4844.55957	4843.39746	4845.72216	0.03393	ug/L	09/19/10	09:05	
CCV	Fe	4869.34375	4863.40039	4875.28710	0.17261	ug/L	09/19/10	09:05	
CCV	2Fe	4.86960	4.86366	4.87554	0.17258	mg/L	09/19/10	09:05	
CCV	K	9861.28515	9866.80566	9855.76464	0.07916	ug/L	09/19/10	09:05	
CCV	Mg	5039.93017	5041.42480	5038.43554	0.04193	ug/L	09/19/10	09:05	
CCV	2Mg	5.03992	5.04142	5.03843	0.04192	mg/L	09/19/10	09:05	
CCV	Mn	4969.38037	4967.43798	4971.32275	0.05527	ug/L	09/19/10	09:05	
CCV	Mo	500.83380	499.56466	502.10296	0.35837	ug/L	09/19/10	09:05	
CCV	Na	7345.67480	7115.08398	7576.26562	4.43941	ug/L	09/19/10	09:05	
CCV	Ni	2496.06347	2491.59008	2500.53686	0.25345	ug/L	09/19/10	09:05	
CCV	Pb	507.61254	507.75173	507.47338	0.03877	ug/L	09/19/10	09:05	
CCV	Se	4976.92382	4967.28369	4986.56396	0.27392	ug/L	09/19/10	09:05	
CCV	Sb	491.96734	489.24472	494.69000	0.78265	ug/L	09/19/10	09:05	
CCV	Sn	5045.48437	5042.27539	5048.69287	0.08993	ug/L	09/19/10	09:05	
CCV	Sr	2474.68090	2472.27099	2477.09082	0.13771	ug/L	09/19/10	09:05	
CCV	Ti	488.93701	488.72473	489.14926	0.06139	ug/L	09/19/10	09:05	
CCV	Tl	5055.87792	5061.09863	5050.65722	0.14603	ug/L	09/19/10	09:05	
CCV	V	4921.61035	4923.66796	4919.55224	0.05913	ug/L	09/19/10	09:05	
CCV	Zn	2464.19824	2460.75463	2467.64184	0.19762	ug/L	09/19/10	09:05	
CCV	2203/1	508.89202	506.98663	510.79742	0.52951	ug/L	09/19/10	09:05	
CCV	2203/2	506.96948	508.12939	505.80957	0.32356	ug/L	09/19/10	09:05	
CCV	1960/1	4967.17138	4955.03417	4979.30859	0.34556	ug/L	09/19/10	09:05	
CCV	1960/2	4981.79296	4973.39941	4990.18652	0.23827	ug/L	09/19/10	09:05	
CCV	Y	907.58825	908.39141	906.78509	0.12514		09/19/10	09:05	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.06766	0.13578	-0.27111	425.20578	ug/L	09/19/10	09:10	
CCB	Al	2.93373	3.99017	1.87728	50.92610	ug/L	09/19/10	09:10	
CCB	2Al	0.00293	0.00399	0.00187	50.92610	mg/L	09/19/10	09:10	
CCB	As	-1.89932	-1.62822	-2.17042	20.18558	ug/L	09/19/10	09:10	
CCB	B	22.06162	24.57853	19.54471	16.13414	ug/L	09/19/10	09:10	
CCB	Ba	-0.09319	0.06752	-0.25390	243.88833	ug/L	09/19/10	09:10	
CCB	Be	0.02475	0.03913	0.01037	82.13265	ug/L	09/19/10	09:10	
CCB	Ca	-0.94046	-0.63813	-1.24279	45.46289	ug/L	09/19/10	09:10	
CCB	Cd	0.03012	0.17024	-0.10998	657.72741	ug/L	09/19/10	09:10	
CCB	Co	0.06854	0.04073	0.09634	57.37323	ug/L	09/19/10	09:10	
CCB	Cr	-0.19146	0.00922	-0.39216	148.23722	ug/L	09/19/10	09:10	
CCB	Cu	0.27099	-0.12239	0.66437	205.29302	ug/L	09/19/10	09:10	
CCB	Fe	3.56417	5.80224	1.32610	88.80353	ug/L	09/19/10	09:10	
CCB	2Fe	0.00356	0.00580	0.00132	88.80355	mg/L	09/19/10	09:10	
CCB	K	4.75297	13.28904	-3.78309	253.98472	ug/L	09/19/10	09:10	
CCB	Mg	-3.01814	-4.46860	-1.56768	67.96442	ug/L	09/19/10	09:10	
CCB	2Mg	-0.00301	-0.00446	-0.00156	67.96759	mg/L	09/19/10	09:10	
CCB	Mn	-0.03278	0.00381	-0.06939	157.89013	ug/L	09/19/10	09:10	
CCB	Mo	1.22939	0.84606	1.61271	44.09503	ug/L	09/19/10	09:10	
CCB	Na	-325.85888	-358.24169	-293.47610	14.05399	ug/L	09/19/10	09:10	
CCB	Ni	-0.26512	0.99871	-1.52896	674.14801	ug/L	09/19/10	09:10	
CCB	Pb	0.20628	-0.22084	0.63341	292.82684	ug/L	09/19/10	09:10	
CCB	Se	3.03644	3.40042	2.67245	16.95246	ug/L	09/19/10	09:10	
CCB	Sb	-1.98823	0.67676	-4.65323	189.55915	ug/L	09/19/10	09:10	
CCB	Sn	1.95159	5.44746	-1.54426	253.32519	ug/L	09/19/10	09:10	
CCB	Sr	-0.06693	-0.08841	-0.04545	45.37334	ug/L	09/19/10	09:10	
CCB	Ti	0.08200	0.17217	-0.00816	155.49407	ug/L	09/19/10	09:10	
CCB	Tl	1.03894	-2.21914	4.29702	443.49267	ug/L	09/19/10	09:10	
CCB	V	0.36667	0.85083	-0.11748	186.73495	ug/L	09/19/10	09:10	
CCB	Zn	-0.06780	-0.03798	-0.09762	62.19683	ug/L	09/19/10	09:10	
CCB	2203/1	1.05294	-0.55528	2.66116	216.00160	ug/L	09/19/10	09:10	
CCB	2203/2	-0.21640	-0.05388	-0.37893	106.21047	ug/L	09/19/10	09:10	
CCB	1960/1	2.58824	0.05762	5.11885	138.27287	ug/L	09/19/10	09:10	
CCB	1960/2	3.26020	5.06932	1.45108	78.47593	ug/L	09/19/10	09:10	
CCB	Y	929.64025	929.09020	930.19024	0.08367		09/19/10	09:10	


File Utility Help
RN↓ RN↑
Protocol HGNORM
BUSY
Dataset/Plate B091410 /HGNORM
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 9.48915e-6
C 4.95832e-2
Rho .999830
Type
Rel Abs
528230
Accepted
New
Include 51 Rep 1
Conc. 5.000
S Conc Calc Dev Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 .0035 .0035 5917 1 5917
02 .20000 .1646 -.0354 22570 0% 22570
03 .40000 .4091 .0091 48339 0% 48339
04 1.0000 .9941 -.0059 109992 0% 109992
05 3.0000 3.063 .0627 327999 0% 327997
06 5.0000 4.963 -.0371 528230 0% 528230
Ready
CAP NUM

Folder: B091410
14:37:31 14 Sep 2010 Protocol: HGNORM

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  1       14:37:31 14 Sep 10   HG

Hg    .0000   ppb      5916

*** Standard: 2 Rep: 1              Seq:  2       14:40:31 14 Sep 10   HG

Hg    .2000   ppb      22570

*** Standard: 3 Rep: 1              Seq:  3       14:43:22 14 Sep 10   HG

Hg    .4000   ppb      48338

*** Standard: 4 Rep: 1              Seq:  4       14:46:16 14 Sep 10   HG

Hg    1.000   ppb      109992

*** Standard: 5 Rep: 1              Seq:  5       14:50:22 14 Sep 10   HG

Hg    3.000   ppb      327987

*** Standard: 6 Rep: 1              Seq:  6       14:53:34 14 Sep 10   HG

Hg    5.000   ppb      528230

*** Check Standard: 3  Ck3ICV       Seq:  7       14:57:32 14 Sep 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           91.27    3.651   4.000  ppb        .0000 %

*** Check Standard: 4  Ck4ICB       Seq:  8       15:00:22 14 Sep 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg       L  -58.67   -.0587   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  9       15:10:09 14 Sep 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           101.7    3.052   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  10      15:13:01 14 Sep 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg       L  -34.04   -.0340   .1000  ppb        .0000 %

*** Sample ID: 0.20 RL    B091410    Seq:  11      15:16:02 14 Sep 10   HG

Hg    .1434   ppb       .0000 %   .1434

*** Sample ID: PBW        B091410    Seq:  12      15:19:41 14 Sep 10   HG
                           7470 CE 179730
Hg   -.0489   ppb       .0000 %  -.0489

*** Sample ID: LCS        B091410    Seq:  13      15:22:44 14 Sep 10   HG
                           7470 CE 179730
Hg    2.494   ppb       .0000 %   2.494

*** Sample ID: 61149-2    B091410    Seq:  14      15:25:37 14 Sep 10   HG
                           7470 CE 179730
Hg   -.0650   ppb       .0000 %  -.0650
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 61149-4    B091410    Seq:  15     15:28:36 14 Sep 10   HG
                           7470 CE 179730
Hg   -.0257   ppb       .0000 %  -.0257

*** Sample ID: 61149-6    B091410    Seq:  16     15:31:34 14 Sep 10   HG
                           7470 CE 179730
Hg   -.0383   ppb       .0000 %  -.0383

*** Sample ID: 61149-8    B091410    Seq:  17     15:34:26 14 Sep 10   HG
                           7470 CE 179730
Hg   -.0406   ppb       .0000 %  -.0406

*** Sample ID: 61149-8D   B091410    Seq:  18     15:37:25 14 Sep 10   HG
                           7470 CE 179730
Hg   -.0297   ppb       .0000 %  -.0297

*** Sample ID: 61149-8S   B091410    Seq:  19     15:40:14 14 Sep 10   HG
                           7470 CE 179730
Hg    1.000   ppb       .0000 %   1.000

*** Check Standard: 7  Ck7CCV       Seq:  20     15:43:15 14 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          104.2    3.126   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  21     15:46:05 14 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -46.75   -.0467   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  22     17:15:49 14 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.3    3.039   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  23     17:19:45 14 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -18.46   -.0185   .1000  ppb        .0000 %

*** Sample ID: MB 179745  B091410    Seq:  24     17:23:51 14 Sep 10   HG
                           7471 CE 179745
Hg   -.0137   ppb       .0000 %  -.0137

*** Sample ID: LCS 179745 B091410    Seq:  25     17:27:05 14 Sep 10   HG
                           7471 CE 179745
Hg    2.271   ppb       .0000 %   2.271

*** Sample ID: 61109-1    B091410    Seq:  26     17:29:54 14 Sep 10   HG
                           7471 CE 179745
Hg   -.0295   ppb       .0000 %  -.0295

*** Sample ID: 61109-2    B091410    Seq:  27     17:32:46 14 Sep 10   HG
                           7471 CE 179745
Hg    .5053   ppb       .0000 %   .5053

*** Sample ID: 61109-2MS  B091410    Seq:  28     17:35:44 14 Sep 10   HG
                           7471 CE 179745
Hg    1.309   ppb       .0000 %   1.309
```

Folder: B091410
17:38:37 14 Sep 2010 Protocol: HGNORM

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 61109-2MSD B091410 Seq: 29 17:38:37 14 Sep 10 HG
7471 CE 179745

Hg	1.536	ppb	.0000 %	1.536				

*** Sample ID: 61109-3 B091410 Seq: 30 17:41:46 14 Sep 10 HG
7471 CE 179745

Hg	.0085	ppb	.0000 %	.0085				

*** Sample ID: 61109-4 B091410 Seq: 31 17:44:39 14 Sep 10 HG
7471 CE 179745

Hg	.0064	ppb	.0000 %	.0064				

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 61151-11              Seq:  46     18:31:16 14 Sep 10   HG
                            7471 CE 179745
Hg    1.913   ppb       .0000 %   1.913

*** Sample ID: 61151-12              Seq:  47     18:34:07 14 Sep 10   HG
                            7471 CE 179745
Hg    2.609   ppb       .0000 %   2.609

*** Sample ID: 61151-13              Seq:  48     18:36:56 14 Sep 10   HG
                            7471 CE 179745
Hg    .0243   ppb       .0000 %   .0243

*** Sample ID: 61151-14              Seq:  49     18:40:10 14 Sep 10   HG
                            7471 CE 179745
Hg    .0887   ppb       .0000 %   .0887

*** Sample ID: 61151-15              Seq:  50     18:43:10 14 Sep 10   HG
                            7471 CE 179745
Hg    .0974   ppb       .0000 %   .0974

*** Sample ID: 61154-1               Seq:  51     18:46:10 14 Sep 10   HG
                            7471 CE 179745
Hg    .0690   ppb       .0000 %   .0690

*** Check Standard: 7  Ck7CCV        Seq:  52     18:49:10 14 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          105.5    3.166   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  53     18:52:21 14 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -49.81   -.0498   .1000  ppb        .0000 %
```

Metals Worksheet

Batch Number: 680-179614
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Sep 10 2010 11:55AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	P_Spike1_00052	P_SPIKEII_00023	P_TEFLONCH_00007
680-61109-A-1	IV-B82-GTM1-01	3050B, 6010C	T	1.03 g	100 mL			
680-61109-A-2	IV-B82-GTM2-01	3050B, 6010C	T	1.09 g	100 mL			
680-61109-A-2~MS	IV-B82-GTM2-01	3050B, 6010C	T	1.09 g	100 mL	1.0 mL	1.0 mL	
680-61109-A-2~MSD	IV-B82-GTM2-01	3050B, 6010C	T	1.09 g	100 mL	1.0 mL	1.0 mL	
680-61109-A-3	IV-B82-GTM3-01	3050B, 6010C	T	1.10 g	100 mL			
680-61109-A-4	IV-B82-GTM3-11	3050B, 6010C	T	1.03 g	100 mL			
MB~680-179614/7		3050B, 6010C		1.00 g	100 mL			1.00 g
LCS~680-179614/8		3050B, 6010C		1.00 g	100 mL	1.0 mL	1.0 mL	1.00 g

Nominal Amount Used:	1.0 g
Digestion Tube/Cup Lot #:	1001171
Blank Soil Lot Number:	P-TEFLONCH-00007
Balance ID:	5
Hood ID or number:	FH-8
Hot Block ID number:	9
Lot # of hydrochloric acid:	H45A18
Lot # of Nitric Acid:	J10024
Logbook ID for diluted Nitric:	N/A
Hydrogen peroxide lot number:	50153024
ID number of the thermometer:	MESD1
Temperature:	94 Degrees C
Acid used for pH adjustment:	N/A
Pipette ID:	PREP-20
Analyst:	HM
First Start time:	N/A
First End time:	N/A
Person's name who witnessed reagent drop:	N/A
Oven, Bath or Block Temperature 1:	94 Degrees C
Oven, Bath or Block Temperature 2:	N/A Degrees C

Metals Worksheet

Batch Number: 680-179614
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Sep 10 2010 11:55AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
680-61109-A-1	IV-B82-GTM1-01	3050B, 6010C	T	
680-61109-A-2	IV-B82-GTM2-01	3050B, 6010C	T	
680-61109-A-2~MS	IV-B82-GTM2-01	3050B, 6010C	T	
680-61109-A-2~MSD	IV-B82-GTM2-01	3050B, 6010C	T	
680-61109-A-3	IV-B82-GTM3-01	3050B, 6010C	T	
680-61109-A-4	IV-B82-GTM3-11	3050B, 6010C	T	
MB~680-179614/7		3050B, 6010C		
LCS~680-179614/8		3050B, 6010C		

Batch Comment: N/A

Metals Worksheet

Batch Number: 680-179745
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Sep 13 2010 1:05PM
Batch End: Sep 13 2010 2:00PM

Lab ID	Client ID	Method Chain	Basis	Target Amount of Sample to Use	Initial weight/volume of sample	Final weight/volume of sample	Hg_Int_Cal_00048
MB~680-179745/1		7471B, 7471B			0.53 g	50 mL	
LCS~680-179745/2		7471B, 7471B			0.53 g	50 mL	0.25 mL
680-61109-A-1	IV-B82-GTM1-01	7471B, 7471B	T	56.9393 g	0.52 g	50 mL	
680-61109-A-2	IV-B82-GTM2-01	7471B, 7471B	T	55.2986 g	0.50 g	50 mL	
680-61109-A-2~MS	IV-B82-GTM2-01	7471B, 7471B	T	56.5254 g	0.54 g	50 mL	0.10 mL
680-61109-A-2~MSD	IV-B82-GTM2-01	7471B, 7471B	T	54.7597 g	0.54 g	50 mL	0.10 mL
680-61109-A-3	IV-B82-GTM3-01	7471B, 7471B	T	55.2032 g	0.53 g	50 mL	
680-61109-A-4	IV-B82-GTM3-11	7471B, 7471B	T	54.4023 g	0.51 g	50 mL	
680-61151-D-1			T		0.52 g	50 mL	
680-61151-D-2			T		0.55 g	50 mL	
680-61151-D-3			T		0.52 g	50 mL	
680-61151-D-4			T		0.54 g	50 mL	
680-61151-D-5			T		0.54 g	50 mL	
680-61151-D-6			T		0.55 g	50 mL	
680-61151-D-7			T		0.55 g	50 mL	
680-61151-D-8			T		0.53 g	50 mL	
680-61151-D-9			T		0.53 g	50 mL	
680-61151-D-10			T		0.51 g	50 mL	
680-61151-D-11			T		0.53 g	50 mL	
680-61151-D-12			T		0.51 g	50 mL	
680-61151-D-13			T		0.50 g	50 mL	
680-61151-D-14			T		0.51 g	50 mL	
680-61151-D-15			T		0.51 g	50 mL	
680-61154-A-1			T		0.54 g	50 mL	

Acid used for pH adjustment:	N/A	Potassium Permanganate Lot Number:	1959851
Nominal Amount Used:	50 g	Sulfuric Acid Lot Number:	1920588
SOP Number:	ME 28	Hydroxylamine Sulfate Lot Number:	1959852
Digestion Tube/Cup Lot #:	1005282	Potassium Persulfate Lot Number:	1959850
Hot Block ID number:	HF-6	Stannous Chloride Lot Number:	N/A
Hood ID or number:	HF-6	Oven, Bath or Block Temperature 1:	92 %
Balance ID:	7	Oven, Bath or Block Temperature 2:	90 %
Blank Soil Lot Number:	P_SOIL 0001	NaCL Lot #:	1483774
Lot # of Nitric Acid:	1907877	Aqua Regia Lot Number:	1950570
ID number of the thermometer:	MEWB2B	Hydroxylamine Hydrochloride Lot:	1914492
Lot # of hydrochloric acid:	1907836		

Metals Worksheet

Batch Number: 680-179745
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Sep 13 2010 1:05PM
Batch End: Sep 13 2010 2:00PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-179745/1		7471B, 7471B		
LCS~680-179745/2		7471B, 7471B		
680-61109-A-1	IV-B82-GTM1-01	7471B, 7471B	T	
680-61109-A-2	IV-B82-GTM2-01	7471B, 7471B	T	
680-61109-A-2~MS	IV-B82-GTM2-01	7471B, 7471B	T	
680-61109-A-2~MSD	IV-B82-GTM2-01	7471B, 7471B	T	
680-61109-A-3	IV-B82-GTM3-01	7471B, 7471B	T	
680-61109-A-4	IV-B82-GTM3-11	7471B, 7471B	T	
680-61151-D-1			T	
680-61151-D-2			T	
680-61151-D-3			T	
680-61151-D-4			T	
680-61151-D-5			T	
680-61151-D-6			T	
680-61151-D-7			T	
680-61151-D-8			T	
680-61151-D-9			T	
680-61151-D-10			T	
680-61151-D-11			T	
680-61151-D-12			T	
680-61151-D-13			T	
680-61151-D-14			T	
680-61151-D-15			T	
680-61154-A-1			T	

Batch Comment: N/A

Metals Worksheet

Batch Number: 680-180131
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Sep 16 2010 1:50PM
Batch End: Sep 16 2010 5:05PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	P_Spike1_00052	P_SPIKEII_00023	P_TEFLONCH_00007
680-61109-A-1	IV-B82-GTM1-01		T	1.02 g	100 mL			
680-61109-A-2	IV-B82-GTM2-01	3050B, 6010C	T	1.08 g	100 mL			
680-61109-A-2~MS	IV-B82-GTM2-01	3050B, 6010C	T	1.08 g	100 mL	1.0 mL	1.0 mL	
680-61109-A-2~MSD	IV-B82-GTM2-01	3050B, 6010C	T	1.08 g	100 mL	1.0 mL	1.0 mL	
680-61109-A-3	IV-B82-GTM3-01		T	1.05 g	100 mL			
680-61109-A-4	IV-B82-GTM3-11		T	1.08 g	100 mL			
680-60987-A-4			T	1.05 g	100 mL			
680-60987-A-5			T	1.06 g	100 mL			
680-60987-A-6			T	1.09 g	100 mL			
680-60987-A-6~MS			T	1.09 g	100 mL	1.0 mL	1.0 mL	
680-60987-A-6~MSD			T	1.09 g	100 mL	1.0 mL	1.0 mL	
MB~680-180131/12		3050B, 6010C		1.00 g	100 mL			1.00 g
LCS~680-180131/13		3050B, 6010C		1.00 g	100 mL	1.0 mL	1.0 mL	1.00 g
680-61154-A-1			T	1.05 g	100 mL			
680-61154-A-1~MS			T	1.05 g	100 mL	1.0 mL	1.0 mL	

Nominal Amount Used:	1.0 g
Digestion Tube/Cup Lot #:	1001171
Blank Soil Lot Number:	P-TEFLONCH-00007
Balance ID:	5
Hood ID or number:	FH-8
Hot Block ID number:	9
Lot # of hydrochloric acid:	HA5A18
Lot # of Nitric Acid:	J10024
Logbook ID for diluted Nitric:	N/A
Hydrogen peroxide lot number:	50153024
ID number of the thermometer:	MESD1
Temperature:	94 Degrees C
Acid used for pH adjustment:	N/A
Pipette ID:	PREP-20
Analyst:	HM
First Start time:	N/A
First End time:	N/A
Person's name who witnessed reagent drop:	N/A
Oven, Bath or Block Temperature 1:	94 Degrees C
Oven, Bath or Block Temperature 2:	N/A Degrees C

Metals Worksheet

Batch Number: 680-180131
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Sep 16 2010 1:50PM
Batch End: Sep 16 2010 5:05PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
680-61109-A-1	IV-B82-GTM1-01		T	
680-61109-A-2	IV-B82-GTM2-01	3050B, 6010C	T	
680-61109-A-2~MS	IV-B82-GTM2-01	3050B, 6010C	T	
680-61109-A-2~MSD	IV-B82-GTM2-01	3050B, 6010C	T	
680-61109-A-3	IV-B82-GTM3-01		T	
680-61109-A-4	IV-B82-GTM3-11		T	
680-60987-A-4			T	
680-60987-A-5			T	
680-60987-A-6			T	
680-60987-A-6~MS			T	
680-60987-A-6~MSD			T	
MB~680-180131/12		3050B, 6010C		
LCS~680-180131/13		3050B, 6010C		
680-61154-A-1			T	
680-61154-A-1~MS			T	

Batch Comment: N/A

Shipping and Receiving Documents

Chain Of Custody Form

TA-GA

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: Proj. Name:
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 67722 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4°C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
IV-B82-GTM1-01	9/8/10	1500	TAL Metals		Y						S	1	G		67722-1
* IV-B82-GTM2-01	9/9/10	1000			Y						S	3	G		-2
IV-B82-GTM3-01	9/9/10	1400			Y						S	1	G		-3
IV-B82-GTM3-11	9/9/10	1400			Y						S	1	G		-4

9/9/10

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☑ 72hr* ☐ 5 Days*
☐
*Fee may apply; lab approval required

Comments / Instructions:
*MS/MSD required
Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered
9/14/10

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☑ DOD* ☑ Level IV*
☐ Standard

State:
☐ NH
☑ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required Y* N
Type: TetraTech

Relinquished By Sampler:	Relinquished By:	Relinquished By:
Date:	Date: 9/9/10	Date: 9/10/10
Time:	Time: 1720	Time: 1010
Received By:	Received By: UPS	Received By:

UPS

Page 1 of 1

3.6°C
680-61109

Analytics\AEL Documents\AEL COC

Login Sample Receipt Check List

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61109-1
SDG Number: 67722

Login Number: 61109
Creator: Conner, Keaton
List Number: 1

List Source: TestAmerica Savannah

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

CHAIN OF CUSTODIES

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 5 06/18/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4°
3) Received in good condition Y or N
4) pH checked by: NA
5) Labels checked by: JBB 9/9/10

Project#: Proj. Name:
Company: Tetra Tech Inc.
Contact: Brian Corbett (617)470-8651
Address: 133 Federal Street
Boston, MA 02110
Phone: 1-617-457-8200 PO# Quote #
Sampler (Signature): Paul W Anderson

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
IV-B82-GTM1-01	9-8-10	1500	TCL-VOC		✓				✓	✓	S	4	40ml		67722-1
IV-B82-GTM1-01	"	"	TAL Metals		✓						S	1	4oz		
IV-B82-GTM1-01	"	"	EPH		✓						S	1	4oz		
IV-B82-GTM1-01	"	"	VPH		✓				✓		S	2	40ml		
IV-B82-GTM2-01	9-9-10	1000	TCL VOC		✓				✓	✓	S	4	40ml		-2
IV-B82-GTM2-01	"	"	TAL Metals		✓						S	1	4oz		
IV-B82-GTM2-01	"	"	EPH		✓						S	1	4oz		
IV-B82-GTM2-01	"	"	VPH		✓				✓		S	2	40ml		
IV-B82-GTM2-01 MS	9-9-10	1000	TCL VOC		✓				✓	✓	S	4	40ml		
IV-B82-GTM2-01 MSD	"	"	TAL Metals		✓						S	1	4oz		
Trip Blank	9-9-10	1300	TCL VOC		✓						W	1	40ml		-5

Email Results to:

Turnaround Time (TAT)
- [ ] 24hr*
- [x] 48hr*
- [x] 72hr*
- [ ] 5 Days*
- [ ] 10 Days

*Fee may apply; lab approval required

Comments / Instructions:
IV-B82-GTM2-01 triple volume for MS + MSD

Diss. Pb samples field filtered.

TCL VOC
EPH
VPH

COOLER #60

TAL Metals

Project Requirements:
*Fee may apply

Report Type:
- [ ] MCP*
- [ ] CTRCP*
- [ ] DOD*
- [ ] Level II*
- [ ] Level III*
- [ ] Level IV*
- [ ] Standard

State:
- [ ] NH
- [ ] MA
- [ ] ME
- [ ] CT
- [ ] RI

Other:

State Standard: (eg. S-1 or GW-1)

EDD Required: Y* N

Type:

Relinquished By Sampler: Paul W Anderson Date: 9-9-10 Time: 1500
Relinquished By: Received By: Date: Time:
Relinquished By: Received By: Date: Time:
Relinquished By: Received By: Date: Time:

Analytics\AEL Documents\AEL COC

Page ____ of ____

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 5 06/18/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4°
3) Received in good condition Y or N
4) pH checked by: NA
5) Labels checked by: JBB 9/9/10

Project#: Proj. Name:
Company: Tetra Tech Inc.
Contact: Brian Corbett (617) 470-8651
Address: 133 Federal Street
Boston, MA 02110
Phone: 1-617-457-8200 PO# Quote #
Sampler (Signature): Paul W. Anderson

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
IV-B82-GTM2-01 ms	9-9-10	1000	EPH		✓						S	1	4oz		67722-2
IV-B82-GTM2-01 ms	"	"	VPH		✓				✓		S	2	40ml		
IV-B82-GTM2-01 msD	"	"	TCL VOC		✓				✓	✓	S	4	40ml		
IV-B82-GTM2-01 msD	"	"	TAL Metals		✓						S	1	4oz		
IV-B82-GTM2-01 msD	"	"	EPH		✓						S	1	4oz		
IV-B82-GTM2-01 msD	"	"	VPH		✓				✓		S	2	40ml		
IV-B82-GTM3-01	9-9-10	1400	TCL VOC		✓				✓	✓	S	4	40ml		-3
IV-B82-GTM3-01	"	"	TAL Metals		✓						S	1	4oz		
IV-B82-GTM3-01	"	"	EPH		✓						S	1	4oz		
IV-B82-GTM3-01	"	"	VPH		✓				✓		S	2	40ml		
Trip Blank															

Relinquished By Sampler: Paul W. Anderson Date: 9-9-10 Time: 1400
Received By: Date: 9-9-10 Time:
Relinquished By: Date: Time:
Received By: Date: Time:
Relinquished By: Date: Time:
Received By: Date: Time:

Email Results to:

Turnaround Time (TAT)
- [ ] 24hr*
- [x] 48hr*
- [x] 72hr*
- [ ] 5 Days*
- [ ] 10 Days

*Fee may apply; lab approval required

Comments / Instructions:
IV-B82-GTM2-01 triple volume for MS+MSD
Diss. Pb samples field filtered.
TCL VOC
EPH
VPH
COOLER #60

Project Requirements:
*Fee may apply

Report Type:
- [ ] MCP*
- [ ] CTRCP*
- [ ] DOD*
- [ ] Level II*
- [ ] Level III*
- [ ] Level IV*
- [ ] Standard

State:
- [ ] NH
- [ ] MA
- [ ] ME
- [ ] CT
- [ ] RI

Other:

State Standard: (eg. S-1 or GW-1)

EDD Required: Y* N

Type:

Analytics\AEL Documents\AEL COC

Page ____ of ____

TAL Metals

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 5 06/18/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4°
3) Received in good condition Y or N
4) pH checked by: NA
5) Labels checked by: JBB 9/9/10

Project#: Proj. Name: South Weymouth
Company: Tetra Tech Inc.
Contact: Brian Corbett (617) 470-8651
Address: 133 Federal Street
Boston, MA 02110
Phone: 1-617-457-8200 PO# Quote #
Sampler (Signature): Paul W Anderson

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
IV-B82-GTM3-11	9-9-10	1400	TCL VOC		✓				✓	✓	S	4	40ml		67722-4
IV-B82-GTM3-11	"	"	TAL Metals		✓						S	1	4oz		
IV-B82-GTM3-11	"	"	EPH		✓						S	1	4oz		
IV-B82-GTM3-11	"	"	VPH		✓				✓		S	2	40ml		
Trip Blank															

JBB 9/9/10

Received By: Paul W Anderson Time: 1500 Date: 9-9-10
Received By: Time: Date:
Received By: Date: 9-9-10
Relinquished By Sampler: Paul W Anderson
Relinquished By: Relinquished By:

Email Results to:

Comments / Instructions:

Diss. Pb samples field filtered.

TCL VOC
EPH
VPH
Cooler #60

Turnaround Time (TAT)
- [ ] 24hr*
- [x] 48hr*
- [x] 72hr*
- [ ] 5 Days*
- [ ] 10 Days

*Fee may apply; lab approval required

Project Requirements:
*Fee may apply

Report Type:
- [ ] MCP*
- [ ] CTRCP*
- [ ] DOD*
- [ ] Level II*
- [ ] Level III*
- [ ] Level IV*
- [ ] Standard

State:
- [ ] NH
- [ ] MA
- [ ] ME
- [ ] CT
- [ ] RI

Other:

State Standard:
(eg. S-1 or GW-1)

EDD Required: Y* N
Type:

TAL Metals

Analytics\AEL Documents\AEL COC

Page ____ of ____

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 67722

CLIENT: T-TECH

PROJECT: _____

COOLER NUMBER: AEL # 60

NUMBER OF COOLERS: 1

DATE RECEIVED: 9-9-10

A: PRELIMINARY EXAMINATION:

DATE COOLER OPENED: 9-9-10

1. Cooler received by(initials): Dw

Date Received: 9-9-10

2. Circle one: Hand delivered (If so, skip 3) Shipped

3. Did cooler come with a shipping slip? Y N

3a. Enter carrier name and airbill number here: _____

4. Were custody seals on the outside of cooler? Y N
How many & where: NA Seal Date: NA Seal Name: NA

5. Did the custody seals arrive unbroken and intact upon arrival? Y N NA

6. COC#: NA

7. Were Custody papers filled out properly (ink,signed, etc)? Y N

8. Were custody papers sealed in a plastic bag? Y N

9. Did you sign the COC in the appropriate place? Y N

10. Was the project identifiable from the COC papers? Y N

11. Was enough ice used to chill the cooler? Y N Temp. of cooler: 40

B. Log-In: Date samples were logged in: 9-9-10 By: Dw

12. Type of packing in cooler(bubble wrap, popcorn) Y N

13. Were all bottles sealed in separate plastic bags? Y N

14. Did all bottles arrive unbroken and were labels in good condition? Y N

15. Were all bottle labels complete(ID,Date,time,etc.) Y N

16. Did all bottle labels agree with custody papers? Y N

17. Were the correct containers used for the tests indicated: Y N

18. Were samples received at the correct pH? Y N NA

19. Was sufficient amount of sample sent for the tests indicated? Y N

20. Were bubbles absent in VOA samples? Y N

If NO, List Sample ID's and Lab #s: _____

21. Laboratory labeling verified by (initials): JSB Date: 9/9/10

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

October 1, 2010

Mr. Brian Corbett
Tetra TECH EC, Inc.
160 Federal Street, 6th Floor
Boston, MA 02110

RE: Analytical Results Case Narrative
Analytics # 67743
NAS SOWEY
South Weymouth, MA

Dear Mr. Corbett:

Enclosed please find the analytical results for samples collected from the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for VOCs by EPA Method 8260B Volatile Petroleum Hydrocarbons (VPH) using MADEP VPH Method Rev 1.1, May 2004, Extractable Petroleum Hydrocarbons by Massachusetts DEP EPH Method, Rev 1.1 May 2004 and TAL Metals. The TAL Metals analyses were subcontracted to Test America Laboratories, GA.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level IV package has been assembled in the following order:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- MCP Cover Pages
- Summary Report
- Sample Logbook Pages/Extraction Data Sheets
- VOA Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- VOA Form 2 Surrogate Recoveries
- VOA Form 3 MS/MSD (LCS) Recoveries
- VOA Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
- VOA Form 5 DFTPP Tune Summaries
- VOA Form 6 Initial Calibration Data (equiv.) Response Factor Report
- VOA Form 7 Continuing Calibration Check (equiv.)
- VOA Form 8 Internal Standard Area and RT Summary
- VPH Form 1 Data Sheet
- VPH Form 2 Surrogate Recoveries
- VPH Form 3 MS/MSD and LCS/LCSD Recoveries
- VPH Form 4 Method Blank Summary GC/MS Logbook Sheets
- VPH Form 5 BFB Tune Summaries (24-hr. Tune Window)
- VPH Form 6 Initial Calibration Data Target Compounds and Ranges
- VPH Form 7 Continuing Calibration Check
- VPH Form 8 RT Summary

EPH Form 2 Surrogate Recoveries
EPH Form 3 MS/MSD and LCS/LCSD Recoveries
EPH Form 4 Method Blank Summary GC/MS Logbook Sheets
EPH Form 5 DFTPP Tune Summaries (24-hr. Tune Window)
EPH Form 6 Initial Calibration Data Target Compounds and Ranges
EPH Form 7 Continuing Calibration Check (equiv.)
EPH Form 8 Internal Standard Area and RT Summary
Chain of Custody (COC) Forms
Sample Receipt Checklist

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations.

VOCs by EPA Method 8260B:
This narrative is specific to the list of target analytes requested by the client and reported on the Form 1 data pages. Non-target (NT) analyte deviations were not addressed. The following analytes were not reported below the quantitation limit in this report: Methylene chloride, Acetone, Methyl Iodide, Hexachlorobutadiene, and Naphthalene.

Vinyl Acetate had recovery of 76% in the initial calibration verification standard for the calibration curve V808100C.

Vinyl acetate is not included in the laboratory spiking mix for methanol soils. All other target analytes are included in the spike solution.

All samples were analyzed at dilutions due to high concentrations of non-target analytes.

The continuing calibration standard (file# C76180SC) had %D outside the acceptance criteria for Methyl iodide and Vinyl Acetate. The laboratory control sample duplicate (LS09130C2) had high recovery for Methyl iodide. The laboratory control sample (LS09130C) was in control for all analytes. The MS/MSD analyzed on sample 67722-2 had recoveries outside the laboratory acceptance criteria for Chloromethane, Vinyl chloride, m-butyl benzene and Methyl iodide. These analytes were in control in the laboratory control samples except as stated above. These anlaytes were not detected in any samples associated with this QC and results were reported without qualification.

Volatile Petroleum Hydrocarbons (VPH):
No results were reported below the quantitation limit for C9-C10 aromatic range.

Sample 67743-1 required dilution due to the concentrations of hydrocarbons present in the sample.

The laboratory control sample (LSV091310K2) had surrogate recovery below acceptance criteria on the FID detector. In addition the laboratory control sample duplicate (LSV091310K2) had low recovery for Napthalene. The laboratory control sample was in control for all analytes.

Extractable Petroleum Hydrocarbons (EPH):
No exceptions.

If you have any questions or I can be of further assistance, please do not hesitate to contact me.

Sincerely
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

Report Number: 67743

Revision: Rev. 0

Re: NAS South Weymouth Building 82

Enclosed are the results of the analyses on your sample(s). Samples were received on 10 September 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
67743-1	09/10/10	IV-B82-GTM4-01	Electronic Data Deliverable	
	09/10/10	IV-B82-GTM4-01	EPA 8260 Volatile Organics	
	09/10/10	IV-B82-GTM4-01	MADEP EPH	
	09/10/10	IV-B82-GTM4-01	TAL Metals	
	09/10/10	IV-B82-GTM4-01	Volatile Petroleum Hydrocarbons	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 9/13/2010

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 67743

Project Location: NAS South Weymouth Building 82 RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

67743-1

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☒	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☒	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Stephen L. Knollmeyer **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 01, 2010

Summary Report

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 14, 2010

SAMPLE DATA

Lab Sample ID: MB09130C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94	%	d8-Toluene	95	%	Bromofluorobenzen	96 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 14, 2010

SAMPLE DATA

Lab Sample ID: 67743-1
Matrix: Solid
Percent Solid: 82
Dilution Factor: 118
Collection Date: 09/10/10
Lab Receipt Date: 09/10/10
Analysis Date: 09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: IV-B82-GTM4-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	118	U	1,1,2-Trichloroethane	89	U
Chloromethane	118	U	1,3-Dichloropropane	118	U
Vinyl Chloride	118	U	Tetrachloroethene	118	U
Bromomethane	118	**100 J**	2-Hexanone	1180	U
Chloroethane	118	U	Dibromochloromethane	89	U
Trichlorofluoromethane	118	U	1,2-Dibromoethane	89	U
1,1-Dichloroethene	89	U	Chlorobenzene	118	U
Acetone	1180	U	1,1,1,2-Tetrachloroethane	118	U
Methyl iodide	118	U	Ethylbenzene	118	U
Carbon Disulfide	118	U	o-Xylene	118	**66 J**
Methylene Chloride	591	U	m,p-Xylene	118	**212**
trans-1,2-Dichloroethene	118	U	Styrene	118	U
Methyl-tert-butyl ether (MTBE)	89	U	Bromoform	89	U
1,1-Dichloroethane	118	U	Isopropylbenzene	118	**82 J**
Vinyl acetate	887	U	1,1,2,2-Tetrachloroethane	89	U
Methyl ethyl ketone	1180	U	Bromobenzene	118	U
cis-1,2-Dichloroethene	118	U	1,2,3-Trichloropropane	118	U
2,2-Dichloropropane	118	U	n-Propylbenzene	118	**189**
Bromochloromethane	118	U	2-Chlorotoluene	118	U
Chloroform	89	U	1,3,5-Trimethylbenzene	118	**458**
1,1,1-Trichloroethane	118	U	4-Chlorotoluene	118	U
1,1-Dichloropropene	118	U	tert-butylbenzene	118	U
Carbon Tetrachloride	118	U	1,2,4-Trimethylbenzene	118	**1430**
1,2-Dichloroethane	89	U	sec-butylbenzene	118	**155**
Benzene	118	U	p-isopropyltoluene	118	**724**
Trichloroethene	118	U	1,3-Dichlorobenzene	118	U
1,2-Dichloropropane	89	U	1,4-Dichlorobenzene	118	U
Dibromomethane	118	U	n-butylbenzene	118	U
Bromodichloromethane	89	U	1,2-Dichlorobenzene	118	U
cis-1,3-Dichloropropene	118	U	1,2-Dibromo-3-chloropropane	118	U
Methyl isobutyl ketone	1180	U	1,2,4-Trichlorobenzene	118	U
Toluene	118	U	Hexachlorobutadiene	118	U
trans-1,3-Dichloropropene	118	U	Naphthalene	118	**1890**
			1,2,3-Trichlorobenzene	118	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	85	%	d8-Toluene	84	%	Bromofluorobenzen	89 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A. Quantitation limits increased due to the presence of non-target analytes.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): N

SDG: 67743

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	94		100		98	
LS09130C	95		100		100	
LS09130C2	96		100		101	
MB09130C	89		100		101	
67743-1	85		84		89	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 67743
Non-spiked sample: MB09130C
Spike: LS09130C
Spike duplicate: LS09130C2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	2000	2000	49	82	25	0	1269	63		1353	68		6	
Chloromethane	2000	2000	75	125	25	0	1563	78		1777	89		13	
Vinyl Chloride	2000	2000	75	125	25	0	1538	77		1670	84		8	
Bromomethane	2000	2000	75	125	25	0	1823	91		1883	94		3	
Chloroethane	2000	2000	75	125	25	0	1562	78		1602	80		3	
t-Butyl alcohol (TBA)	10000	10000	60	140	25	0	7923	79		9839	98		22	
Trichlorofluoromethane	2000	2000	75	125	25	0	1669	83		1762	88		5	
Diethyl ether	2000	2000	75	125	25	0	2070	103		2184	109		5	
1,1,2-Trichlorotrifluoroethane	2000	2000	75	125	25	0	1960	98		2055	103		5	
Acetone	5000	5000	75	125	25	0	5997	120		5337	107		12	
1,1-Dichloroethene	2000	2000	75	125	25	0	1942	97		2072	104		7	
Methyl iodide	2000	2000	75	125	25	0	2467	123		2791	140	*	12	
Di-isopropyl ether (DIPE)	2000	2000	75	125	25	0	1874	94		1961	98		5	
Methylene Chloride	2000	2000	75	125	25	0	2024	101		2082	104		3	
Carbon Disulfide	2000	2000	75	125	25	0	1994	100		2118	106		6	
Acrylonitrile	2000	2000	75	125	25	0	1957	98		2028	101		4	
Methyl-tert-butyl ether (MTBE)	2000	2000	75	125	25	0	2156	108		2293	115		6	
trans-1,2-Dichloroethene	2000	2000	75	125	25	0	1949	97		2038	102		4	
1,1-Dichloroethane	2000	2000	75	125	25	0	1983	99		2097	105		6	
Methyl ethyl ketone	5000	5000	60	140	25	0	4792	96		5192	104		8	
Ethyl t-butyl ether (ETBE)	2000	2000	75	125	25	0	1937	97		1997	100		3	
2,2-Dichloropropane	2000	2000	75	125	25	0	2097	105		2329	116		11	
cis-1,2-Dichloroethene	2000	2000	75	125	25	0	1891	95		2021	101		7	
t-Amyl methyl ether (TAME)	2000	2000	75	125	25	0	1874	94		1941	97		4	
Chloroform	2000	2000	75	125	25	0	1866	93		2038	102		9	
Bromochloromethane	2000	2000	75	125	25	0	2157	108		2278	114		5	
Tetrahydrofuran	2000	2000	60	140	25	0	1862	93		2114	106		13	
1,1,1-Trichloroethane	2000	2000	75	125	25	0	1916	96		2081	104		8	
1,1-Dichloropropene	2000	2000	75	125	25	0	1878	94		2010	101		7	
Carbon Tetrachloride	2000	2000	75	125	25	0	2028	101		2181	109		7	
1,2-Dichloroethane	2000	2000	75	125	25	0	1855	93		2065	103		11	
Benzene	2000	2000	75	125	25	0	1876	94		1947	97		4	
Trichloroethene	2000	2000	75	125	25	0	2078	104		2091	105		1	
1,2-Dichloropropane	2000	2000	75	125	25	0	1936	97		2052	103		6	
Methylmethacrylate	2000	2000	75	125	25	0	1815	91		1934	97		6	
Bromodichloromethane	2000	2000	75	125	25	0	1950	98		2071	104		6	
Dibromomethane	2000	2000	75	125	25	0	2200	110		2333	117		6	
2-Hexanone	5000	5000	75	125	25	0	4622	92		4751	95		3	
Methyl isobutyl ketone	5000	5000	75	125	25	0	4730	95		4773	95		1	
cis-1,3-Dichloropropene	2000	2000	75	125	25	0	2004	100		2115	106		5	
Toluene	2000	2000	75	125	25	0	1938	97		1989	99		3	
trans-1,3-Dichloropropene	2000	2000	75	125	25	0	2006	100		2069	103		3	
1,1,2-Trichloroethane	2000	2000	75	125	25	0	2017	101		2112	106		5	
1,3-Dichloropropane	2000	2000	75	125	25	0	1834	92		1917	96		4	
Tetrachloroethene	2000	2000	75	125	25	0	1682	84		1729	86		3	
Dibromochloromethane	2000	2000	75	125	25	0	1891	95		2001	100		6	
1,2-Dibromoethane	2000	2000	75	125	25	0	1831	92		1914	96		4	
Chlorobenzene	2000	2000	75	125	25	0	1889	94		1915	96		1	
1,1,1,2-Tetrachloroethane	2000	2000	75	125	25	0	1918	96		1969	98		3	
Ethylbenzene	2000	2000	75	125	25	0	1886	94		1893	95		0	

VOA FORM 3

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 67743
Non-spiked sample: MB09130C
Spike: LS09130C
Spike duplicate: LS09130C2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
m,p-Xylene	4000	4000	75	125	25	0	3803	95		3829	96		1	
o-Xylene	2000	2000	75	125	25	0	1917	96		1948	97		2	
Styrene	2000	2000	75	125	25	0	1921	96		1952	98		2	
Bromoform	2000	2000	75	125	25	0	1938	97		1954	98		1	
Isopropylbenzene	2000	2000	75	125	25	0	1905	95		1935	97		2	
1,1,2,2-Tetrachloroethane	2000	2000	75	125	25	0	1811	91		1885	94		4	
1,2,3-Trichloropropane	2000	2000	75	125	25	0	1946	97		2045	102		5	
trans-1,4-Dichloro-2-butene	2000	2000	75	125	25	0	2070	103		2115	106		2	
n-Propylbenzene	2000	2000	75	125	25	0	1887	94		1927	96		2	
Bromobenzene	2000	2000	75	125	25	0	1957	98		1994	100		2	
1,3,5-Trimethylbenzene	2000	2000	75	125	25	0	1940	97		1990	99		3	
2-Chlorotoluene	2000	2000	75	125	25	0	1966	98		2062	103		5	
4-Chlorotoluene	2000	2000	75	125	25	0	1922	96		1976	99		3	
tert-butylbenzene	2000	2000	75	125	25	0	1946	97		1946	97		0	
1,2,4-Trimethylbenzene	2000	2000	75	125	25	0	1894	95		1960	98		3	
sec-butylbenzene	2000	2000	75	125	25	0	1910	96		1955	98		2	
p-isopropyltoluene	2000	2000	75	125	25	0	1884	94		1973	99		5	
1,3-Dichlorobenzene	2000	2000	75	125	25	0	1897	95		1988	99		5	
1,4-Dichlorobenzene	2000	2000	75	125	25	0	1877	94		1891	95		1	
n-butylbenzene	2000	2000	75	125	25	0	1908	95		1900	95		0	
1,2-Dichlorobenzene	2000	2000	75	125	25	0	1920	96		1945	97		1	
1,2-Dibromo-3-chloropropane	2000	2000	75	125	25	0	1771	89		1849	92		4	
1,2,4-Trichlorobenzene	2000	2000	75	125	25	0	1926	96		1915	96		1	
Hexachlorobutadiene	2000	2000	75	125	25	0	1912	96		1900	95		1	
Naphthalene	2000	2000	75	125	25	0	1898	95		1921	96		1	
1,2,3-Trichlorobenzene	2000	2000	75	125	25	0	1922	96		1910	95		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOA FORM 3

Analytics environmental laboratory LLC

IS only V8930 Exp: x 8-11-10

SS+IS V8931 Exp: x 8-11-10

Voltage: 2094

Threshold: 100

GC/MS Volatiles Instrument C: 081010-C

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		w-c-081010-1-JH							
4	V8081DOC	BFB 50 Ng	5mL	2mL	V8951	✓	C75996T	JH	NA
5		0.2 PPB		0.05mL	V8953 V8941	✓	9751		
6		0.5 PPB		0.125mL		✓	9851		
7		1.0 PPB		0.25mL		✓	9951		
8		2.0 PPB		0.5mL		✓	C76000081		
10		5.0 PPB		1.25mL		✓	0151		
11		20.0 PPB		5mL		✓	0251		
12		50.0 PPB		12.5mL		✓	0351		
13		100.0 PPB		25mL		✓	0451		
14		Blank					0551		
15		20 PPB ICV		5mL	V8950 V8944	✓	06CC		
16		20 PPB ICV		5mL		✓	07BC		

JH 08.11.10

Analytics environmental laboratory LLC

IS only V9027 Exp: 9/27/10

SS+IS V9026 Exp: 9/27/10

091310-C

Voltage: 2094

Threshold: 100

GC/MS Volatiles Instrument C:

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		w-C-091310-1- MT							
6	V8081002	BFB 50ng	5mL	2ul	V9014	✓	C76178T ~~C76161~~	MT	NA
7		20ppb		5ul	V9020 V9013	RR ketones ↓	~~62~~ 79		
8		20ppb		1		✓	~~63~~ 80		
10		LS091302	50ml/5mL			✓	~~64~~ 81		
11		LS091302-2				✓	~~65~~ 82		
12		Bromoform	5mL	5ul	V9015	✓	~~66~~ 83		
13		MB091302	50ml/5mL			✓	~~67~~ 84		
~~14~~ 13		67722-5				✓ TB	85		
~~15~~ 14		-1				✓ 10.57	86		
~~16~~ 15		-2				✓ 10.22	87		
~~17~~ 16		-3				✓ 9.84	88		
~~2~~ 1		-4				✓ 9.77	89		
2		BLK	5mL				90		
3							91		
4		~~67763-1~~ ~~67768-14~~	50ml/5mL			✓ Screen 10.34 ~~11.68~~	92		
5		~~67768-15~~ -16				Screen ~~10.09~~ 9.10	93		
6		~~-16~~ -14				~~9.18~~ 11.68	94		
7		~~-14~~ -15				10.09	95		
8		67722-2,MS				✓ Spike Marg ~~Methylene~~ 9.88	96		
10		-2,MSD				✓ 9.85	97		
11		67708-1,500x	10ml			In hook waste	98		

MT 9/13/10

MT 9/13/10

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG:
BFB File ID: C75996T.D
BFB Injection Date: 08/10/10
BFB Injection Time: 11:05

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
0.2 PPB	C75997SI.D	8/10/10 11:40
0.5 PPB	C75998SI.D	8/10/10 12:13
1.0 PPB	C75999SI.D	8/10/10 12:55
2.0 PPB	C76000SI.D	8/10/10 13:29
5.0 PPB	C76001SI.D	8/10/10 14:07
20.0 PPB	C76002SI.D	8/10/10 14:39
50.0 PPB	C76003SI.D	8/10/10 15:08
100.0 PPB	C76004SI.D	8/10/10 15:14
20 PPB ICV	C76006CC.D	8/10/10 16:35
20 PPB ICV2	C76007CC.D	8/10/10 17:08

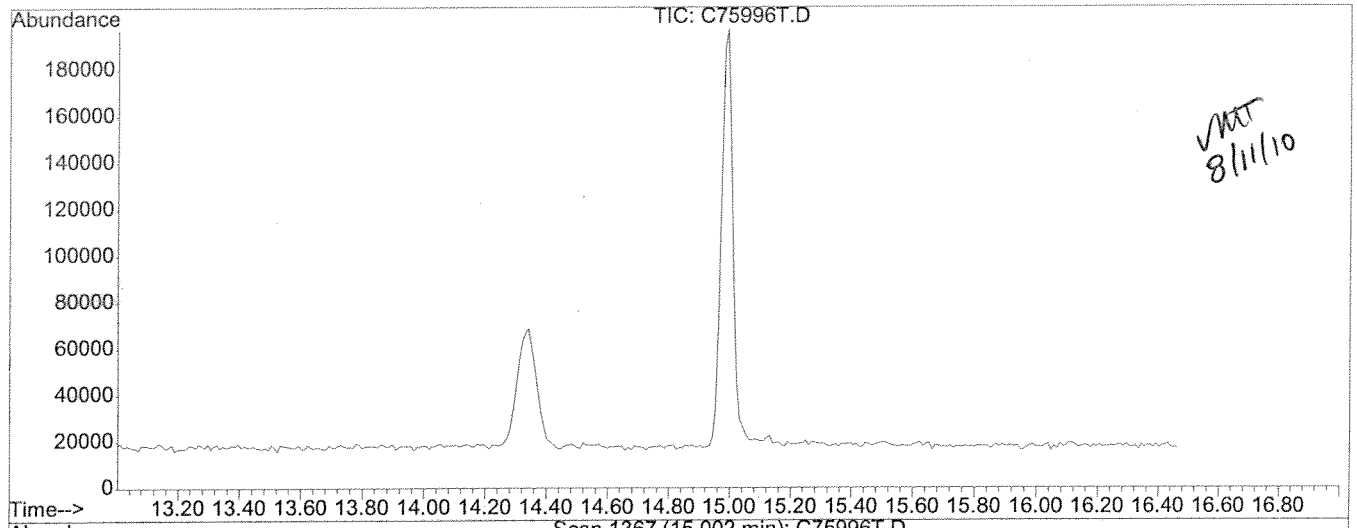
Refer to the BFB report C75996T.D for ion ratio evaluation.

VOA FORM 5

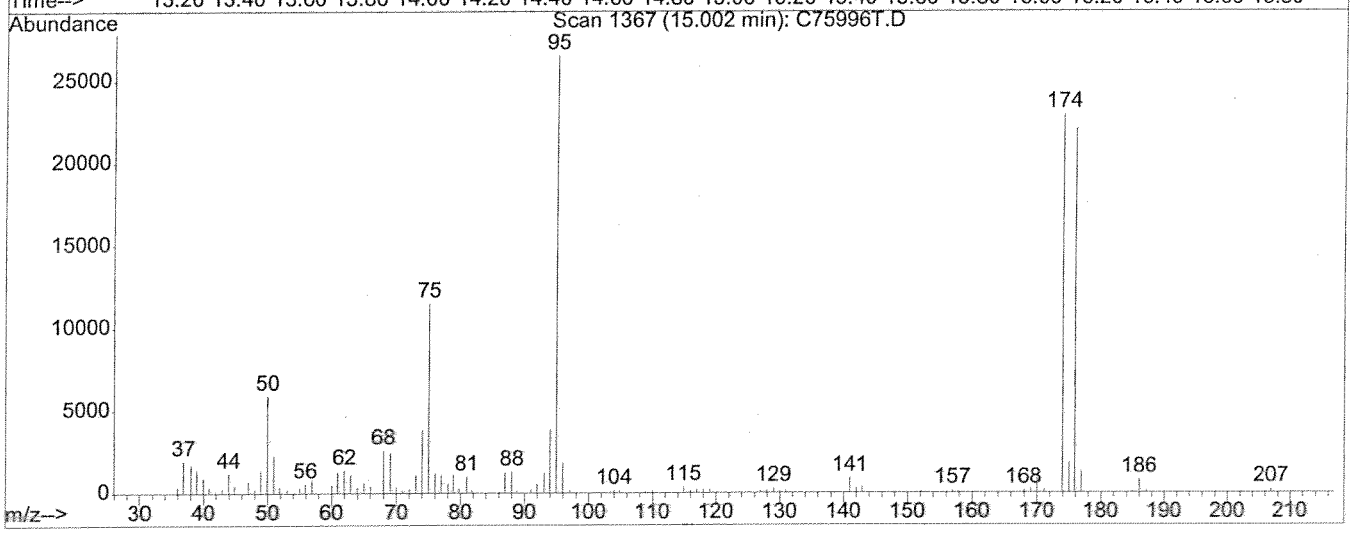
BFB

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75996T.D Vial: 4
Acq On : 10 Aug 2010 11:05 am Operator: JK
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator
Title : 8260 Purgable Organics

JL 08/10/10



VMT 8/11/10



Spectrum Information: Scan 1367

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	5911	PASS
75	95	30	60	43.3	11499	PASS
95	95	100	100	100.0	26584	PASS
96	95	5	9	6.8	1798	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.4	22960	PASS
175	174	5	9	7.9	1821	PASS
176	174	95	101	96.2	22096	PASS
177	176	5	9	5.9	1310	PASS

C75996T.D V808100C.M Tue Aug 10 11:07:26 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG: 67743
BFB File ID: C76178T.D
BFB Injection Date: 09/13/10
BFB Injection Time: 9:49

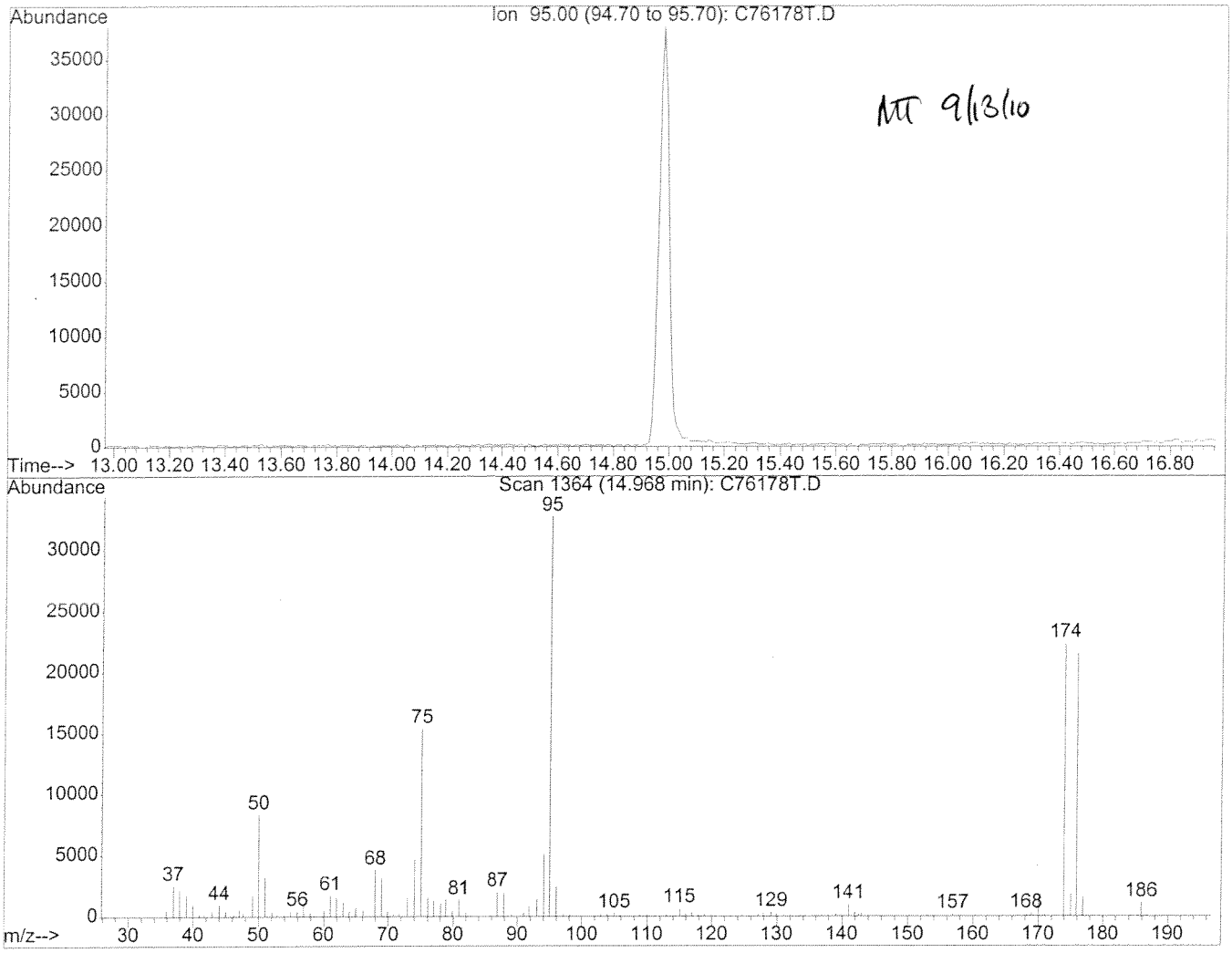
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
20 PPB	C76180SC.D	9/13/10 10:54
LS09130C	C76181Q.D	9/13/10 11:41
LS09130C2	C76182Q.D	9/13/10 12:20
MB09130C	C76184B.D	9/13/10 13:27
67743-1	C76192.D	9/13/10 17:43

Refer to the BFB report C76178T.D for ion ratio evaluation.

VOA FORM 5

BFB

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76178T.D Vial: 6
Acq On : 13 Sep 2010 9:49 am Operator: MT
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator
Title : 8260 Purgable Organics



Spectrum Information: Scan 1364

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.5	8327	PASS
75	95	30	60	47.0	15383	PASS
95	95	100	100	100.0	32712	PASS
96	95	5	9	7.4	2408	PASS ✓
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.3	22352	PASS
175	174	5	9	8.3	1848	PASS
176	174	95	101	96.1	21480	PASS
177	176	5	9	7.1	1534	PASS

9-2010

C76178T.D V808100C.M Mon Sep 13 11:08:17 2010

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

08.11.1

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	TM	Dichlorodifluoromet	0.928	0.735	0.729	0.730	0.722	0.700	0.757	11.16
3)	TMP	Chloromethane	1.420	0.977	1.073	0.990	1.014		1.195✓	~~24.77~~ L 1.00
4)	TMC	Vinyl Chloride	0.952	0.752	0.756	0.722	0.732	0.681	0.766	12.41✓
5)	TM	Bromomethane	0.626	0.365	0.424	0.580	0.638	0.637	0.522	~~23.92~~ L 1.00
6)	TM	Chloroethane	0.624	0.575	0.585	0.553	0.579	0.561	0.579	4.27
7)	TM	t-Butyl alcohol (TB	0.090	0.073	0.072	0.062	0.071	0.065	0.072#	13.43
8)	TM	Trichlorofluorometh	1.247	1.042	1.129	1.166	1.156	1.124	1.175	8.75
9)	TM	Diethyl ether	0.318	0.309	0.277	0.356	0.331	0.328	0.315	8.53
10)	TM	1,1,2-Trichlorotrif	0.666	0.667	0.591	0.639	0.604	0.602	0.650	10.07
11)	T	Acrolein	0.071	0.052	0.032	0.042	0.043	0.042	0.047#	~~28.02~~ L 1.00
12)	TM	Acetone	0.369	0.311	0.267	0.269	0.258	0.251	0.315	~~26.71~~ L 1.0
13)	TMC	1,1-Dichloroethene	0.696	0.665	0.538	0.592	0.569	0.566	0.604	10.31✓
14)	TM	Methyl iodide	0.428	0.420	0.389	0.626	0.545		0.481	~~20.83~~ L 0.99
15)	TM	Di-isopropyl ether	3.354	2.840	2.528	2.879	2.759	2.818	2.967	12.50
16)	TM	Methylene Chloride	1.157	1.081	0.691	0.694	0.680	0.672	0.829	~~27.25~~ L 1.00
17)	TM	Carbon Disulfide	2.164	2.129	1.859	2.117	1.984	2.011	2.044	5.62
18)	TM	Acrylonitrile	0.299	0.337	0.322	0.329	0.330	0.318	0.323	4.13
19)	TM	Methyl-tert-butyl e	1.140	1.170	1.443	1.527	1.545	1.493	1.398	12.12
20)	TM	trans-1,2-Dichloroe	1.220	1.085	0.892	1.015	0.978	0.965	1.029	10.17
21)	TMP	1,1-Dichloroethane	1.675	1.298	1.132	1.236	1.194	1.177	1.344✓	~~17.78~~ L 1.00
22)	TM	Vinyl acetate	1.297	0.991	1.038	1.314	1.399	1.394	1.252	13.33
23)	TM	Methyl ethyl ketone	0.079	0.063	0.065	0.071	0.069	0.066	0.072#	12.46
24)	TM	Ethyl t-butyl ether	2.426	2.109	1.861	2.152	2.081	2.105	2.176	10.04
25)	TM	2,2-Dichloropropane	0.922	0.657	0.695	0.749	0.765	0.773	0.775	11.88
26)	TM	cis-1,2-Dichloroeth	0.867	0.780	0.639	0.747	0.701	0.691	0.737	10.82
27)	TM	t-Amyl methyl ether	1.938	1.816	1.523	1.710	1.652	1.674	1.789	12.65
28)	S	DB Holder #28	0.779	0.742	0.764	0.795	0.763	0.725	0.760	2.84
29)	TMC	Chloroform	1.409	1.213	1.043	1.185	1.120	1.113	1.211	11.69✓
30)	TM	Bromochloromethane	0.589	0.377	0.325	0.331	0.313	0.309	0.396	~~29.04~~ L 1.00
31)	TM	Tetrahydrofuran	0.123	0.136	0.115	0.085	0.082	0.078	0.103	~~23.91~~ L 0.90
32)	TM	1,1,1-Trichloroetha	1.085	0.903	0.843	0.968	0.922	0.898	0.945	8.37
33)	T	Ethanol	0.016	0.012	0.012	0.013	0.012	0.012	0.013#	12.33
34)	TM	1,1-Dichloropropene	1.154	1.000	0.820	0.928	0.902	0.878	0.947	12.42
35)	TM	Carbon Tetrachlorid	0.549	0.545	0.485	0.603	0.618	0.620	0.563	9.16
36)	S	d4-1,2-Dichloroetha	0.780	0.746	0.764	0.795	0.763	0.725	0.760	2.83
37)	TM	1,2-Dichloroethane	1.005	0.871	0.892	0.925	0.885	0.859	0.906	5.87
38)	TM	Benzene	2.793	2.402	2.144	2.379	2.276	2.309	2.460	11.57
39)	I	1,4-Difluorobenzene	----------ISTD----------							
40)	TM	Trichloroethene	0.566	0.424	0.357	0.385	0.346	0.340	0.432	~~25.45~~ L 0.99
41)	TMC	1,2-Dichloropropane	0.417	0.351	0.317	0.345	0.340	0.324	0.349	10.21✓
42)	TM	Methylmethacrylate	0.272	0.295	0.240	0.243	0.235	0.230	0.252	10.13

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

JL 08.11.1

		Compound	1	2	5	20	50	100	Avg	%RSD
43)	T	Methyl acetate	0.794	0.560	0.412	0.488	0.462	0.445	0.527	~~26.59~~ L0.99
44)	T	Cyclohexane	0.651	0.617	0.537	0.578	0.533	0.514	0.572	9.35
45)	TM	Bromodichloromethan	0.449	0.422	0.360	0.419	0.401	0.389	0.407	7.50
46)	TM	Dibromomethane	0.366	0.303	0.246	0.252	0.229	0.206	0.267	~~21.78~~ L0.96
47)	TM	1,4-Dioxane	0.005	0.005	0.004	0.004	0.004	0.004	0.004#	5.02
48)	T	Methylcyclohexane	0.587	0.535	0.471	0.517	0.489	0.496	0.516	8.01
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl	0.222	0.193	0.175	0.187	0.210	0.168	0.198	11.31
51)	TM	2-Hexanone	0.157	0.139	0.130	0.143	0.138	0.133	0.145	10.31
52)	TM	Methyl isobutyl ket	0.174	0.147	0.137	0.151	0.142	0.138	0.148	9.40
53)	TM	cis-1,3-Dichloropro	0.603	0.562	0.474	0.555	0.532	0.498	0.537	8.61
54)	S	d8-Toluene	1.092	1.104	1.098	1.111	1.101	1.087	1.103	0.96
55)	TMC	Toluene	0.887	0.822	0.684	0.778	0.737	0.727	0.773	9.48 ✓
56)	TM	trans-1,3-Dichlorop	0.568	0.510	0.440	0.517	0.498	0.499	0.505	8.12
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.269	0.261	0.221	0.261	0.247	0.242	0.250	7.00
59)	TM	1,3-Dichloropropane	0.662	0.563	0.457	0.529	0.497	0.492	0.544	13.18
[illegible])	TM	Tetrachloroethene	0.384	0.371	0.386	0.352	0.332	0.332	0.369	9.27
61)	TM	Dibromochloromethan	0.357	0.355	0.301	0.366	0.361	0.353	0.372	12.91
62)	TM	1,2-Dibromoethane	0.384	0.364	0.318	0.377	0.364	0.352	0.385	13.15
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	1.140	1.044	0.907	1.002	0.947	0.966	1.040 ✓	12.30
65)	TM	1,1,1,2-Tetrachloro	0.394	0.347	0.323	0.354	0.337	0.344	0.360	9.50
66)	TMC	Ethylbenzene	1.790	1.638	1.435	1.568	1.480	1.489	1.627	12.30 ✓
67)	TM	m,p-Xylene	0.730	0.662	0.577	0.641	0.602	0.602	0.664	13.48
68)	TM	o-Xylene	0.702	0.659	0.573	0.636	0.583	0.584	0.641	10.36
69)	TM	Styrene	1.202	1.082	0.999	1.096	1.042	1.039	1.121	11.98
70)	TMP	Bromoform	0.170	0.192	0.188	0.246	0.250	0.257	0.212 ✓	~~17.56~~ L1.000
71)	TM	Isopropylbenzene	1.764	1.726	1.487	1.630	1.528	1.521	1.669	11.39
72)	TMP	1,1,2,2-Tetrachloro	0.525	0.500	0.431	0.482	0.455	0.435	0.494 ✓	13.76
73)	S	Bromofluorobenzene	0.471	0.478	0.477	0.477	0.463	0.459	0.471	1.59
74)	TM	1,2,3-Trichloroprop	0.481	0.382	0.332	0.360	0.338	0.326	0.370	~~15.71~~ L0.99
75)	TM	trans-1,4-Dichloro-	0.140	0.133	0.109	0.134	0.126	0.124	0.128	8.43
76)	TM	n-Propylbenzene	2.153	2.020	1.731	1.905	1.782	1.750	1.963	12.59
77)	TM	Bromobenzene	0.416	0.364	0.342	0.371	0.351	0.348	0.375	9.76
78)	TM	1,3,5-Trimethylbenz	1.505	1.385	1.204	1.306	1.221	1.213	1.306	9.21
79)	TM	2-Chlorotoluene	1.336	1.229	1.111	1.210	1.146	1.127	1.193	7.04
80)	TM	4-Chlorotoluene	1.288	1.131	0.994	1.120	1.038	1.038	1.128	10.52
81)	TM	tert-butylbenzene	1.302	1.198	1.016	1.145	1.043	1.020	1.158	12.52
82)	TM	1,2,4-Trimethylbenz	1.604	1.417	1.252	1.375	1.265	1.250	1.399	11.63
83)	T	Diisobutylketone	1.098	1.027	0.883	0.962	0.908	0.863	0.990	12.24
[illegible])	TM	sec-butylbenzene	2.024	1.892	1.655	1.808	1.684	1.652	1.848	11.63
[illegible])	TM	p-isopropyltoluene	1.663	1.477	1.281	1.444	1.341	1.319	1.479	13.56

VMT 8/11/10

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

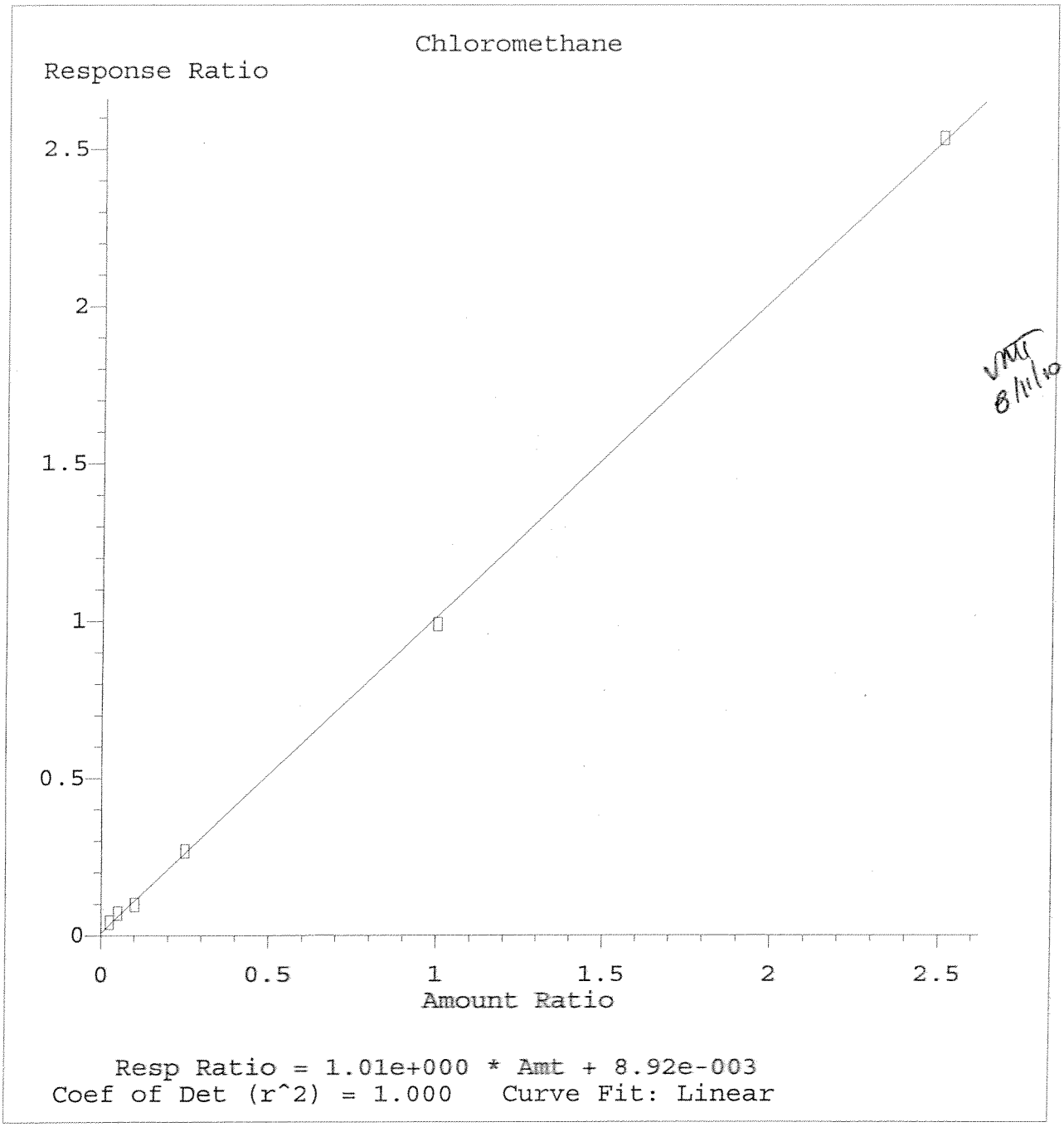
08/11/10

		Compound	1	2	5	20	50	100	Avg	%RSD
86)	TM	1,3-Dichlorobenzene	0.754	0.731	0.599	0.660	0.627	0.611	0.683	11.50
87)	I	1,4-Dichlorobenzene-d	----------	----------	----------	ISTD	----------	----------		
88)	TM	1,4-Dichlorobenzene	1.742	1.632	1.405	1.578	1.461	1.489	1.607	11.63
89)	TM	n-butylbenzene	3.415	3.118	2.755	3.100	2.864	2.925	3.130	10.95
90)	TM	1,2-Dichlorobenzene	1.596	1.500	1.275	1.447	1.331	1.334	1.444	9.44
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.305	0.237	0.198	0.186	0.182	0.177	0.214	~~22.99~~ L/a
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	1.187	1.128	1.000	1.130	1.008	0.971	1.102	10.41
95)	TM	Hexachlorobutadiene	0.626	0.574	0.469	0.547	0.489	0.489	0.547	12.35
96)	TM	Naphthalene	2.965	2.783	2.498	2.806	2.606	2.388	2.674	8.04
97)	TM	1,2,3-Trichlorobenz	1.120	0.980	0.874	1.005	0.921	0.842	0.977	10.84
98)	TM	1,3,5-Trichlorobenz	1.182	1.259	1.035	1.183	1.053	1.055	1.168	11.65

VMT 8/11/10

(#) = Out of Range ### Number of calibration levels exceeded format ###

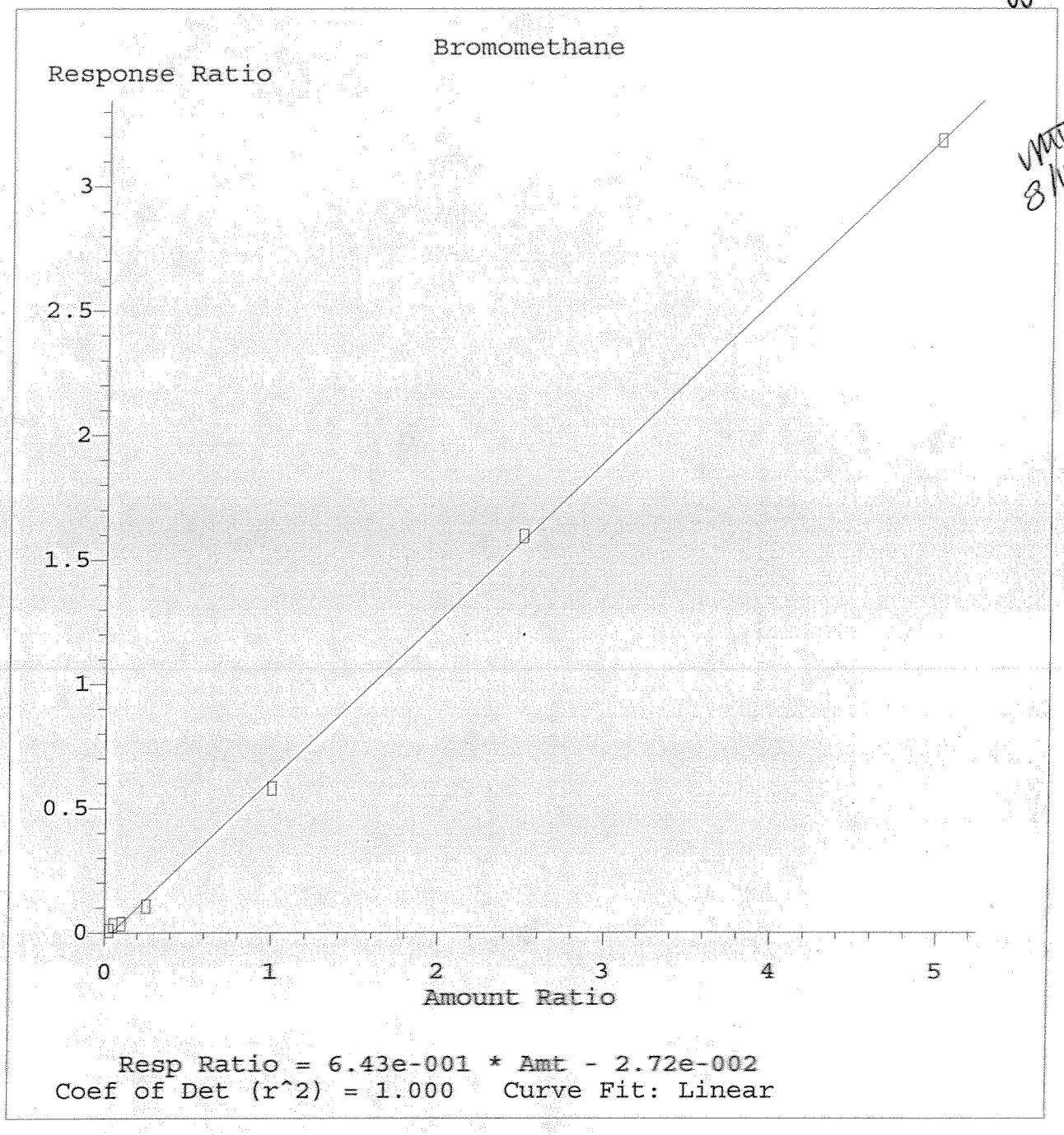
JL
08-11-10



VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:07 2010

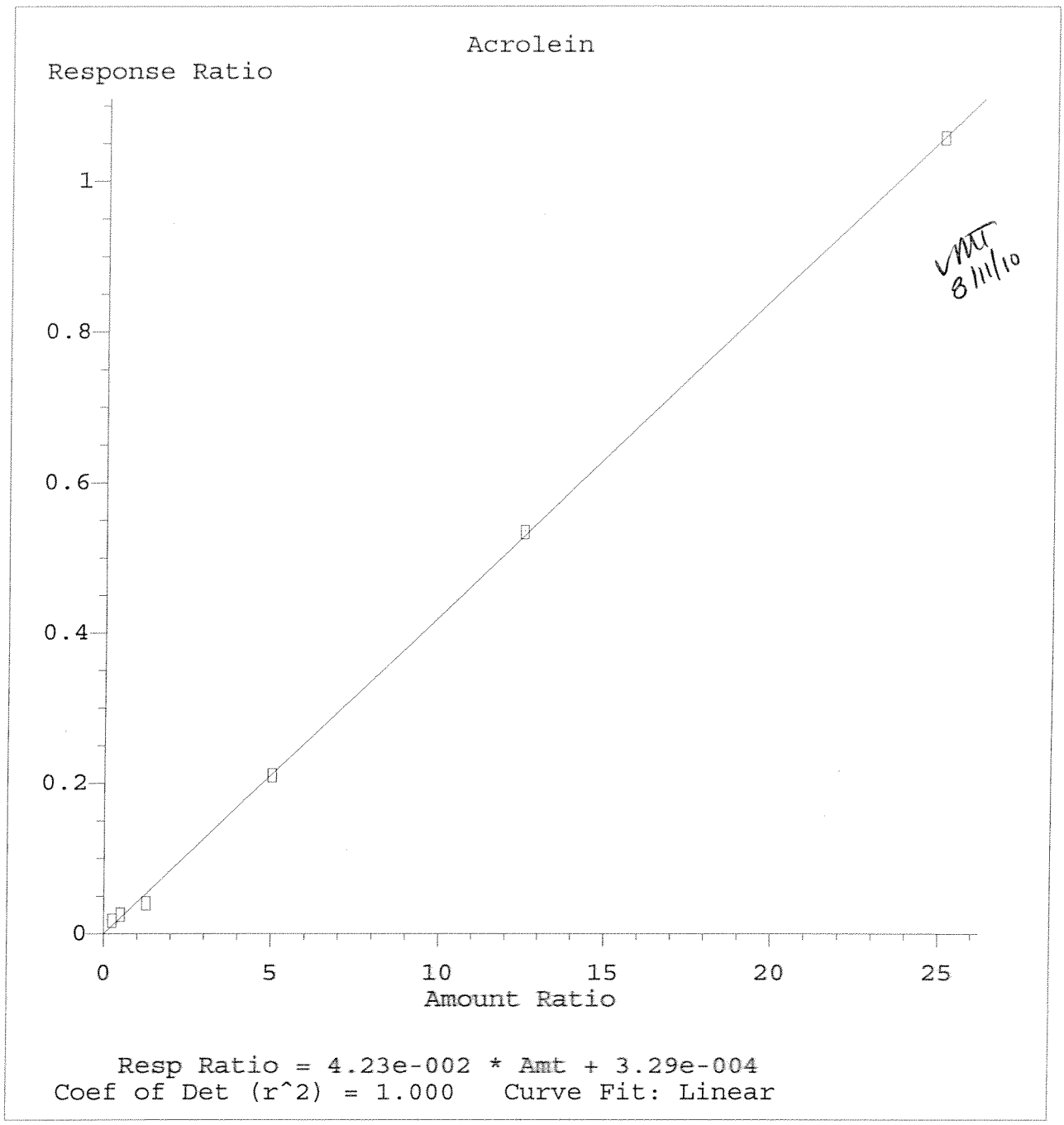
JL 08-11-10



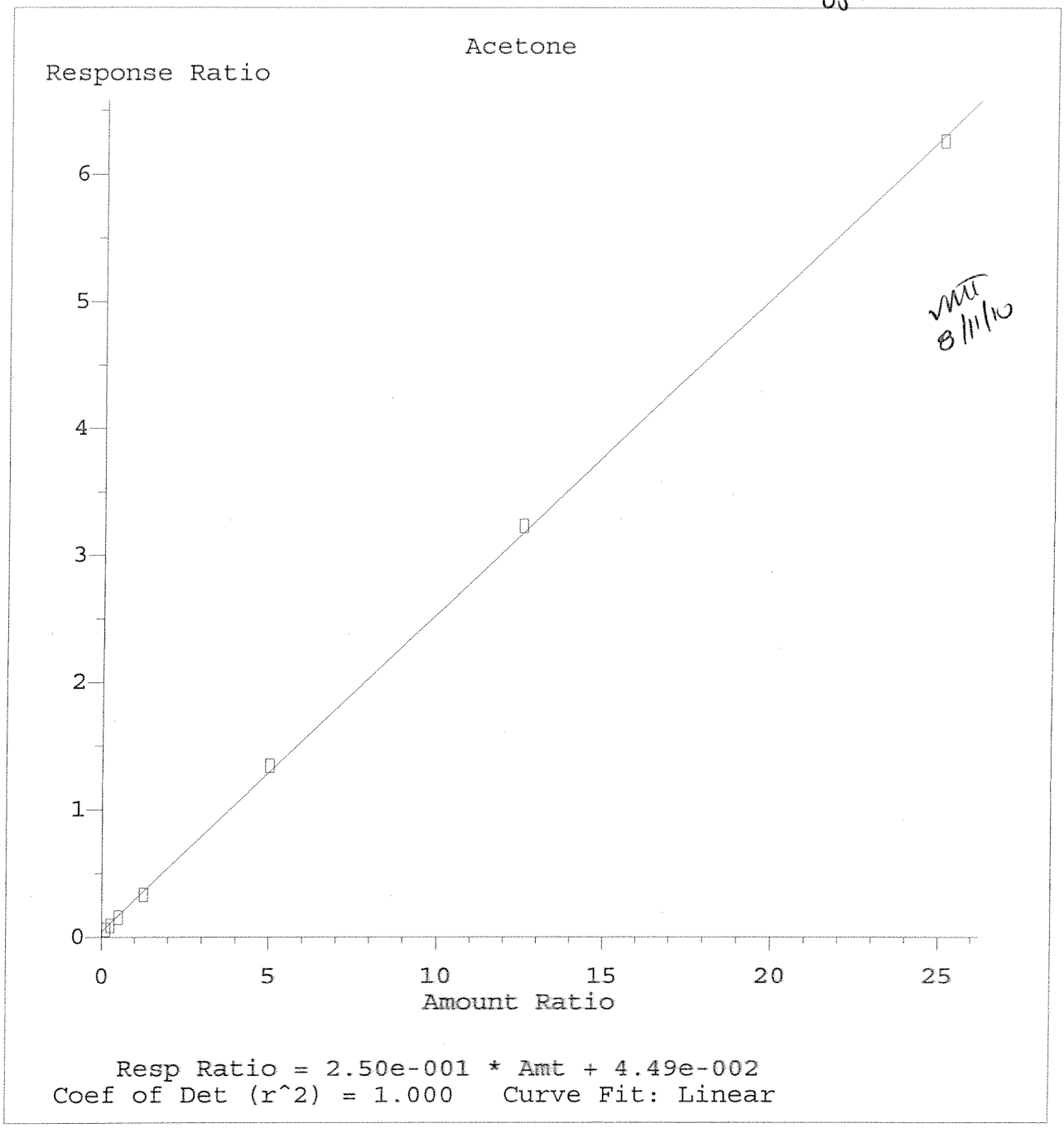
VMT 8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:59 2010

JL 08/11/10

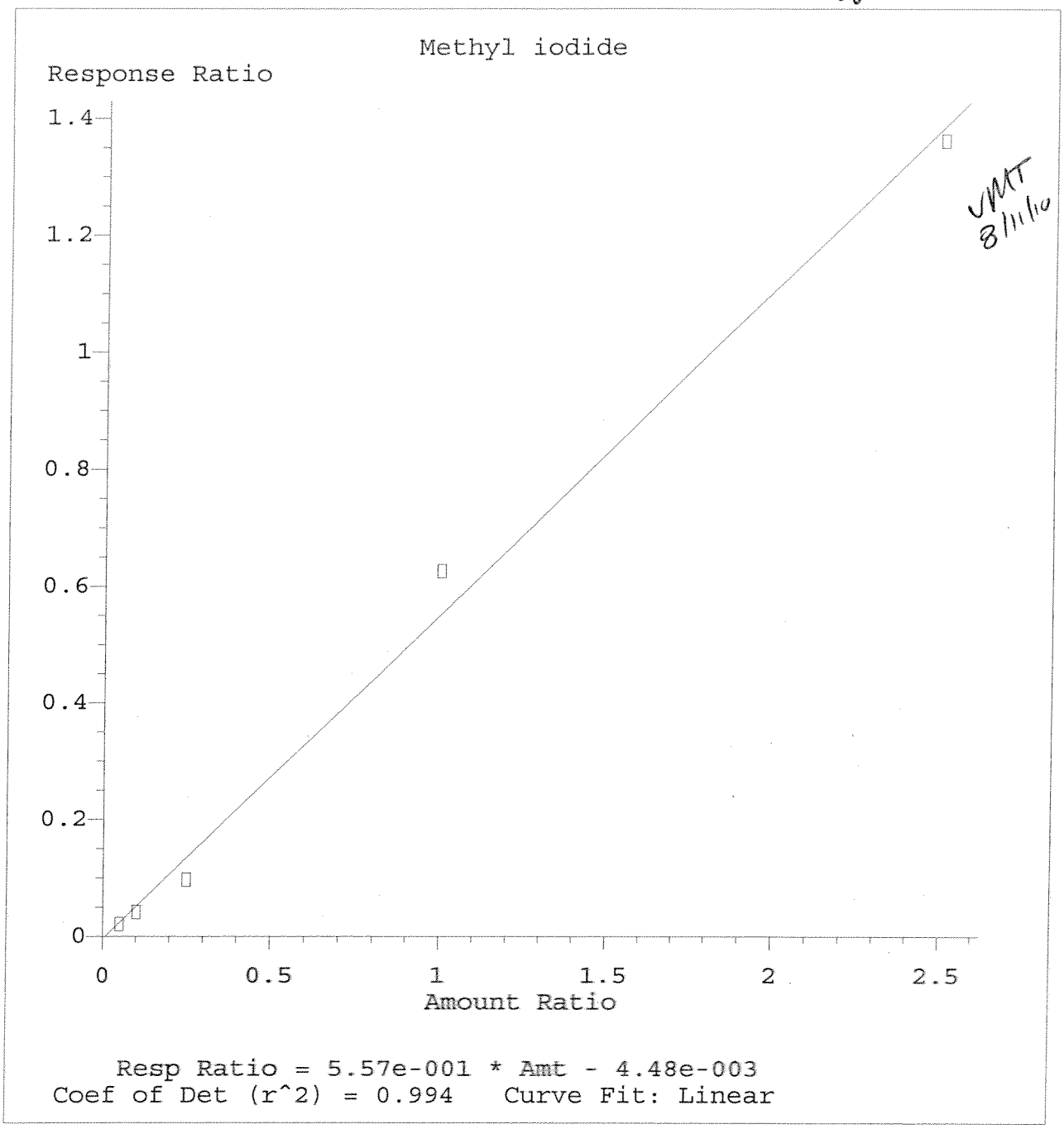


Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:01 2010



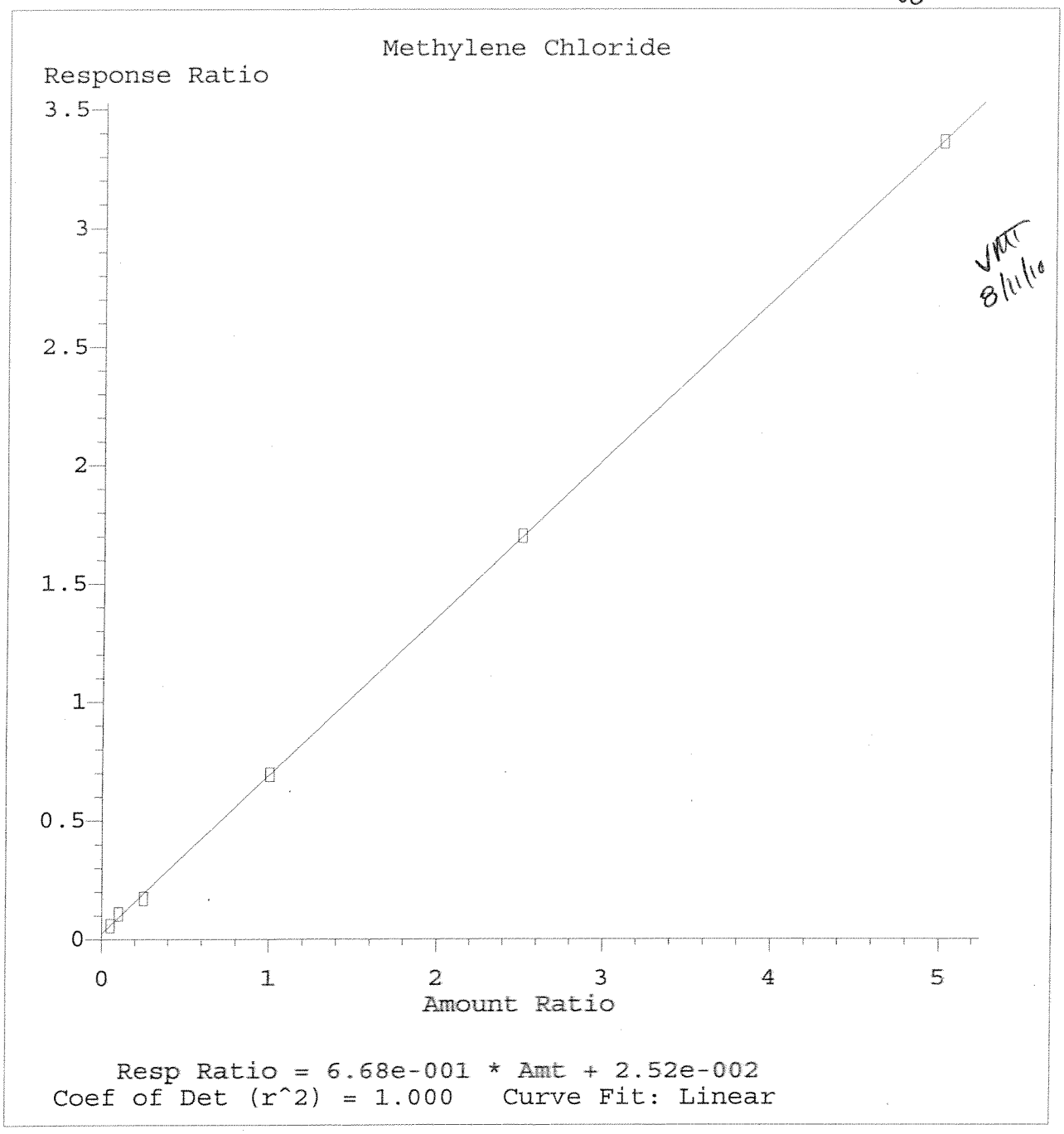
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:19 2010

JL 08.11.10



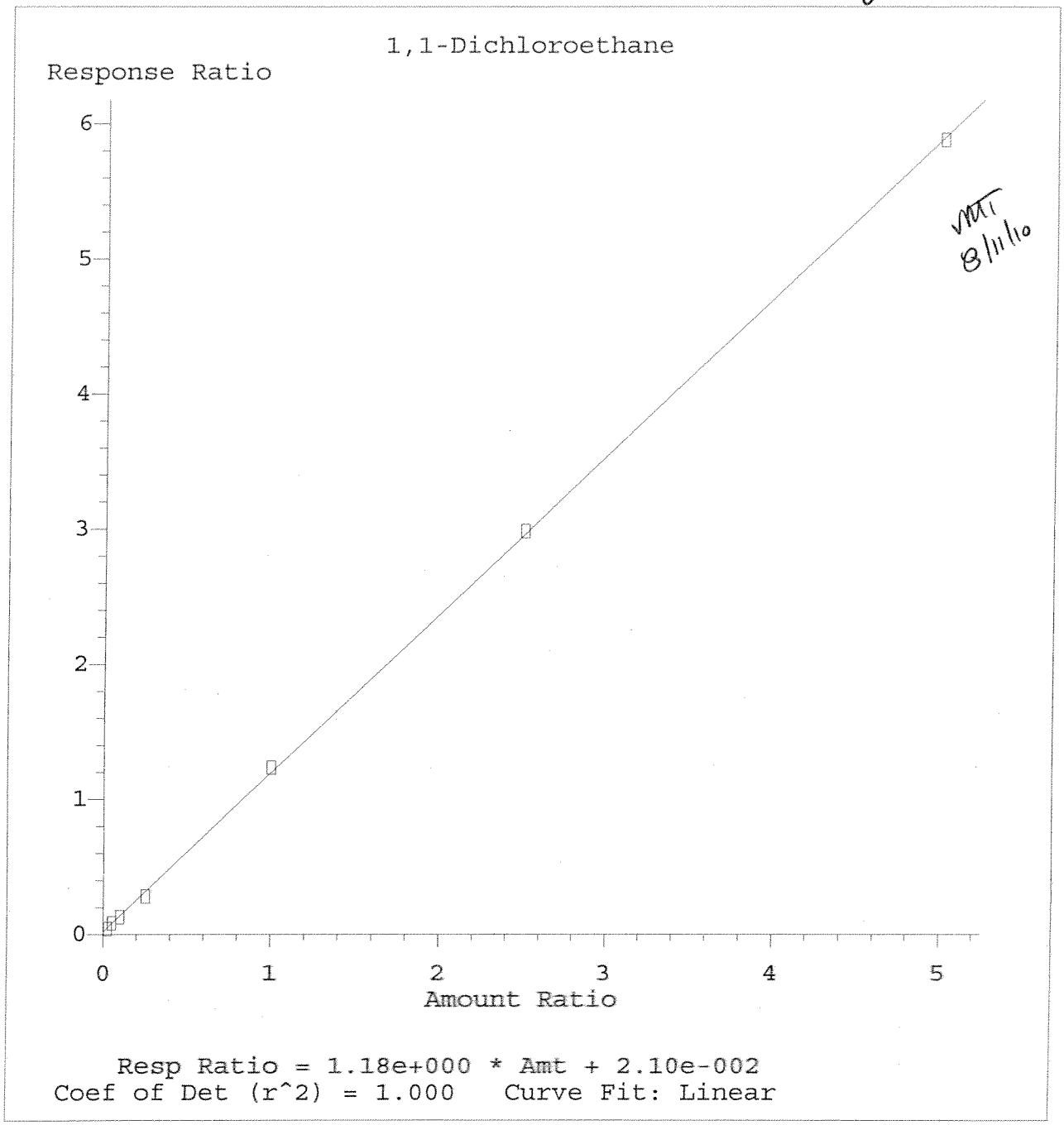
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:42:36 2010

JL 08-11-10



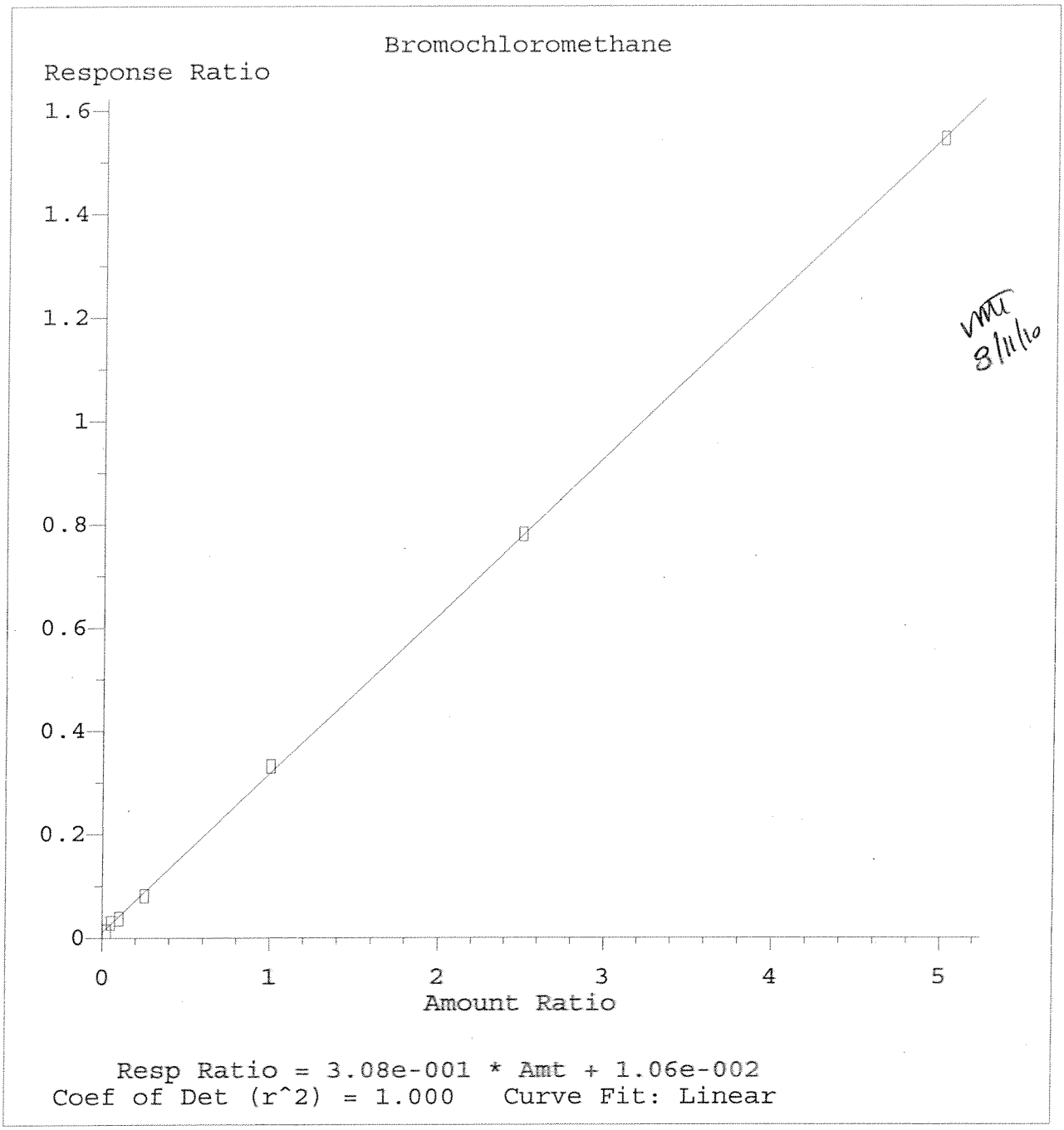
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:00:45 2010

CL
08/11/10



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:02:07 2010

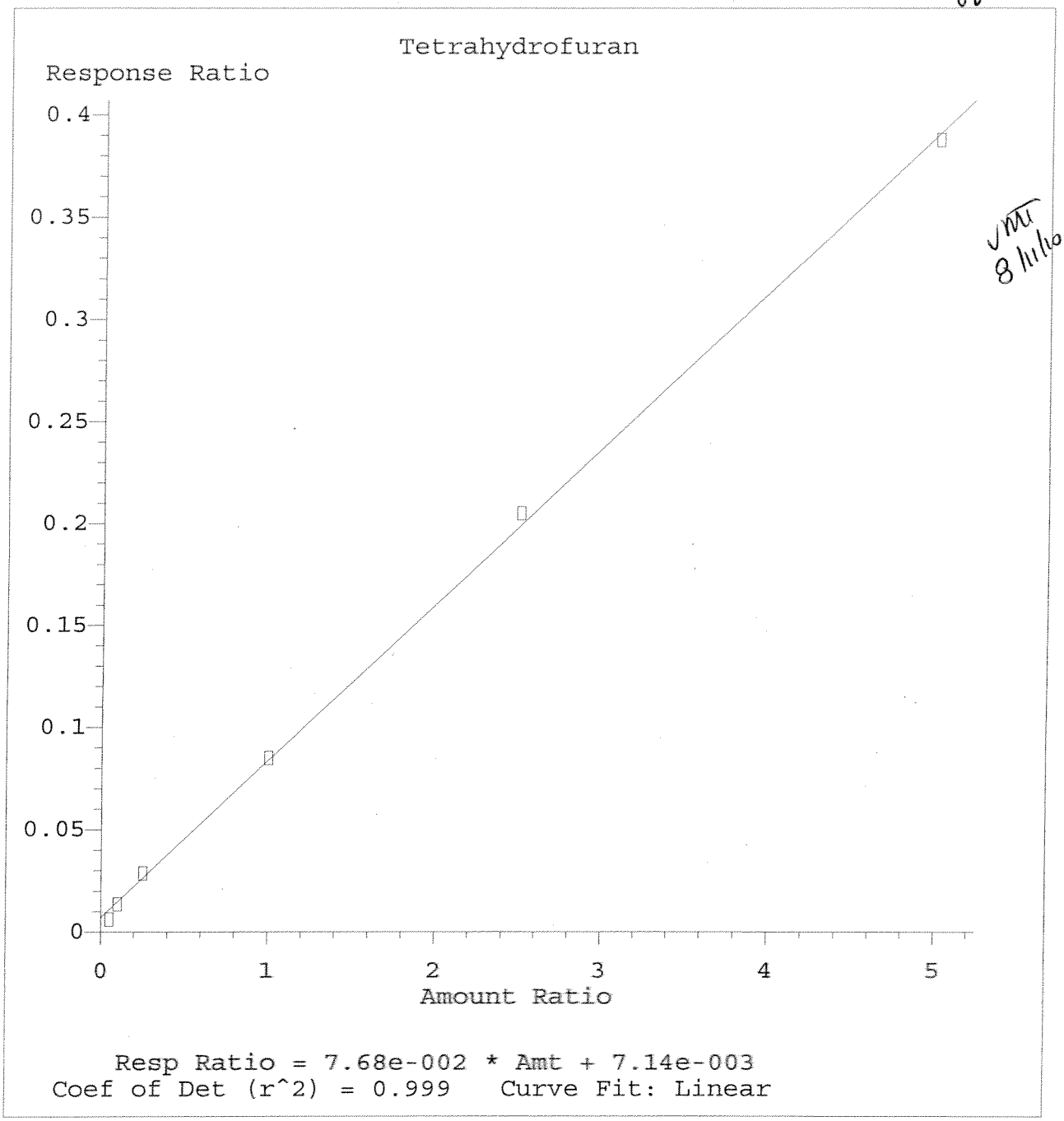
JL
08.11.10



VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:11:44 2010

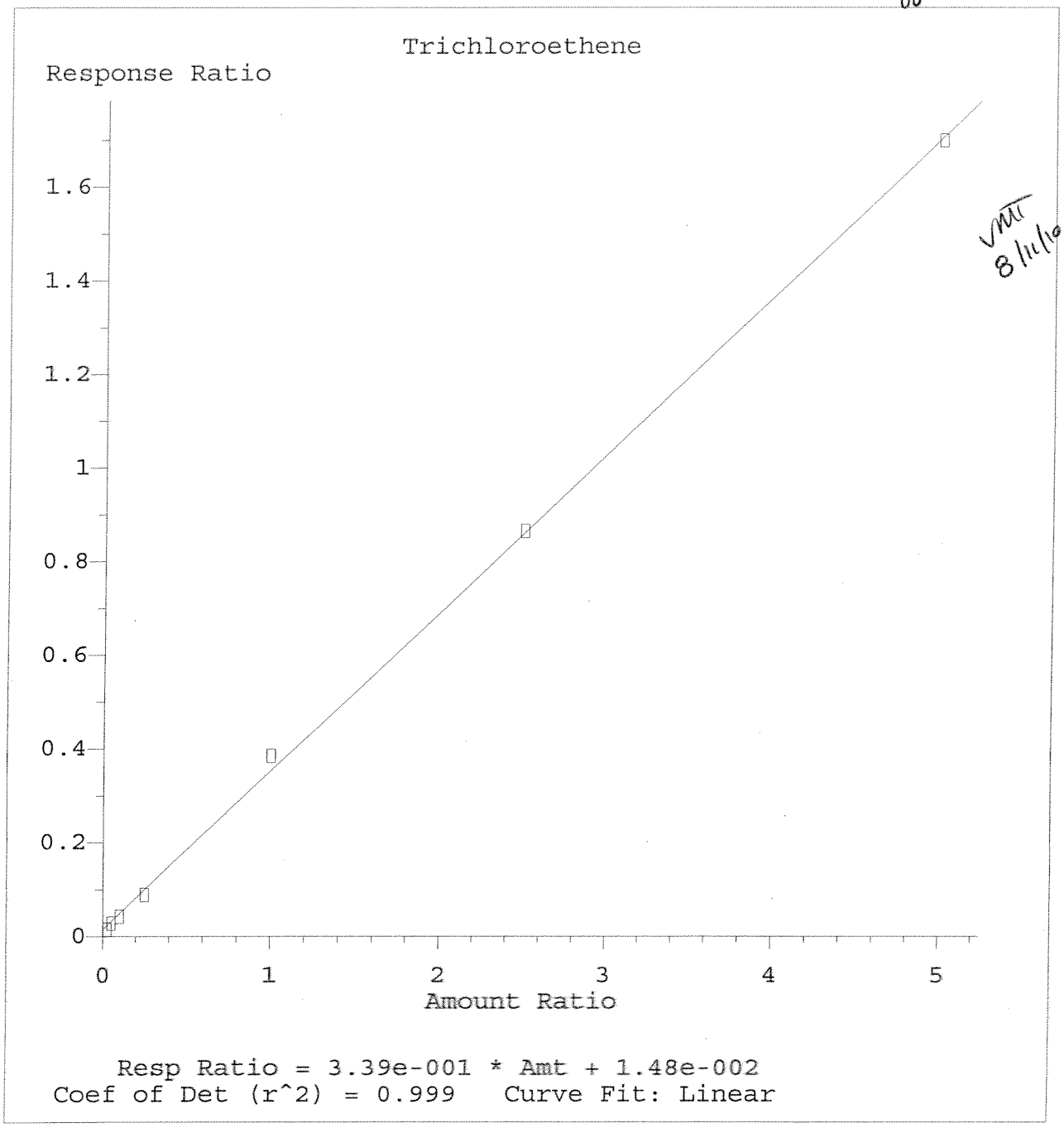
JL
08/11/10



VMT
8/11/10

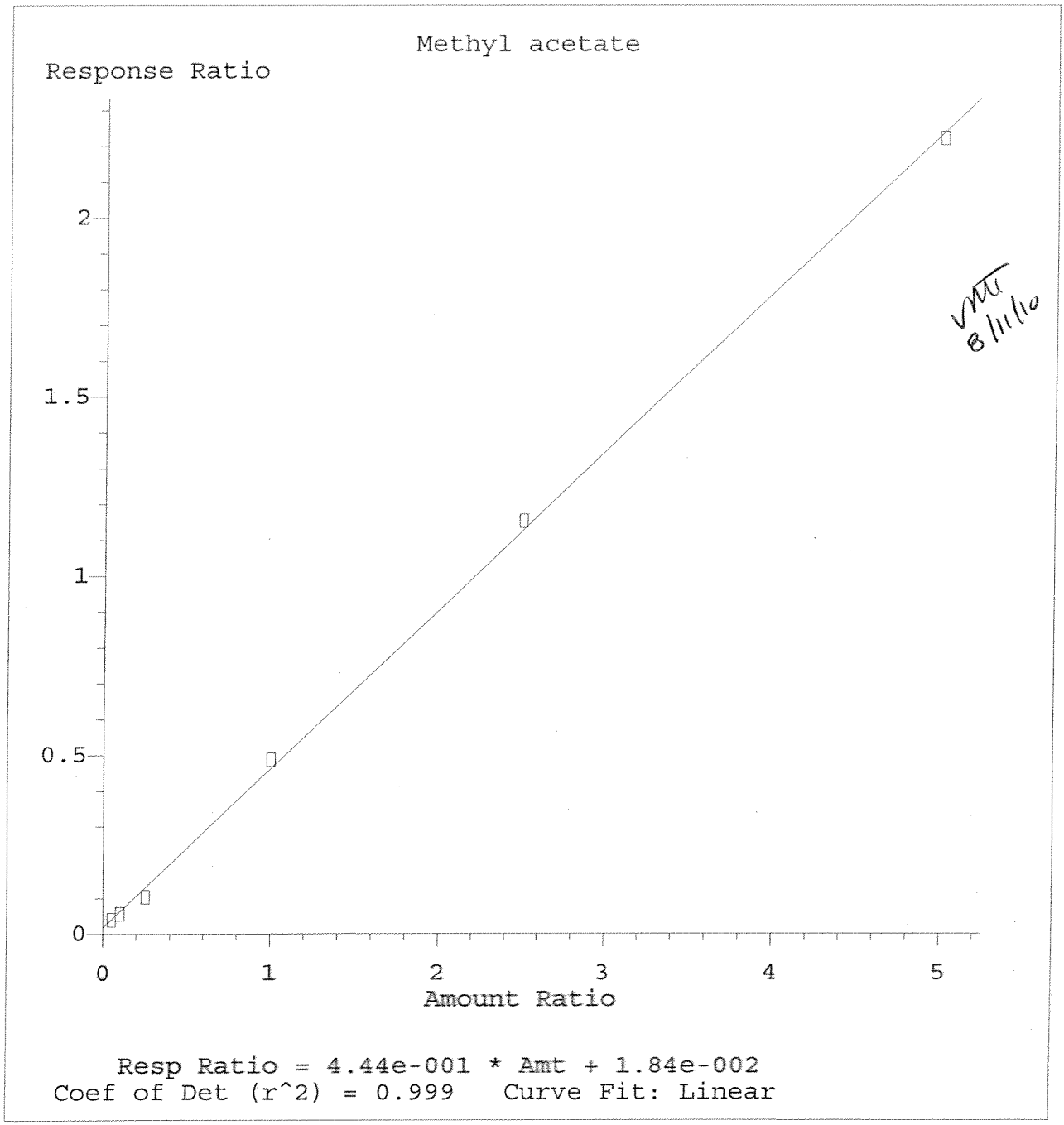
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:03:57 2010

JL
08.11.10



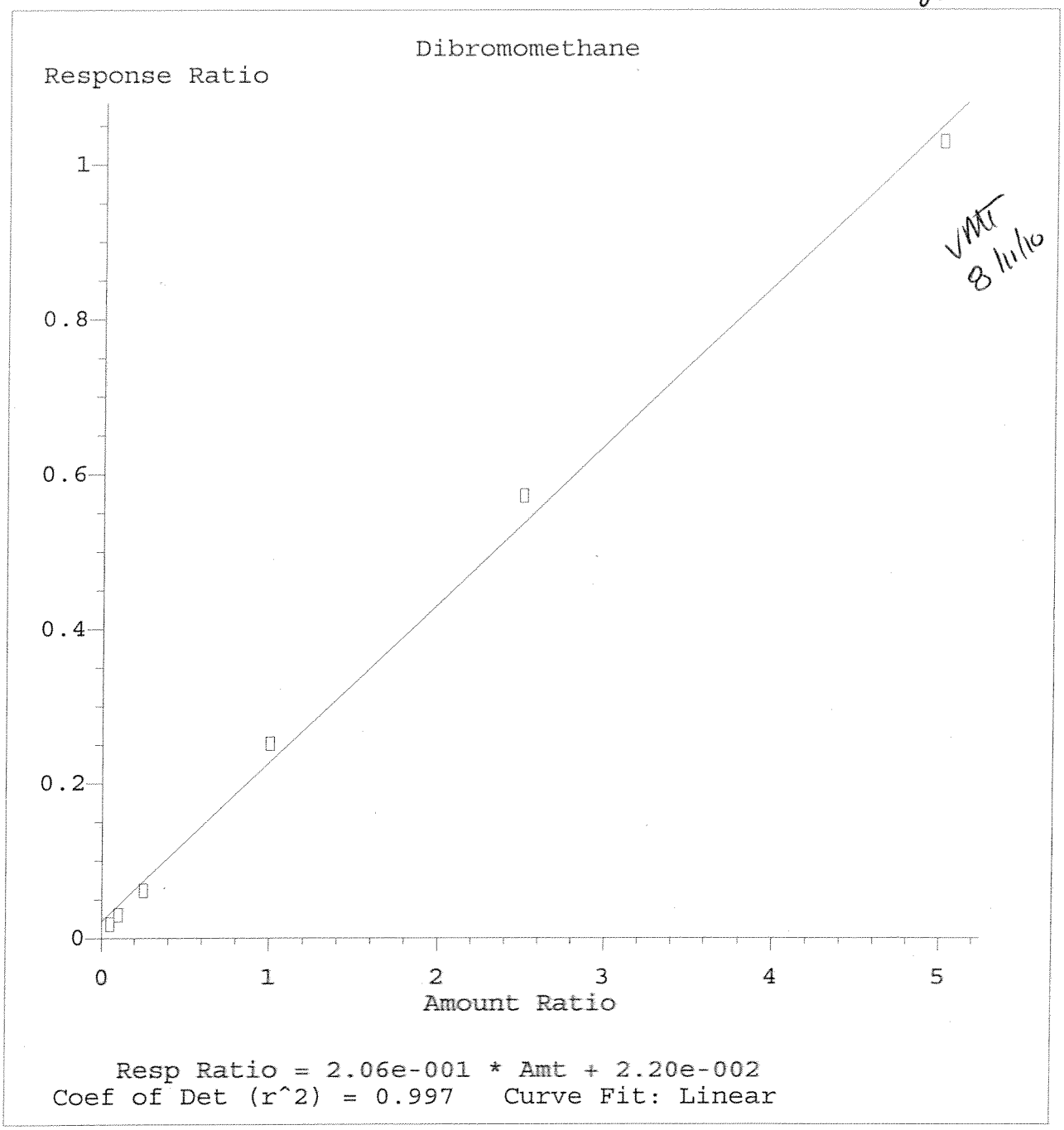
VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:02 2010

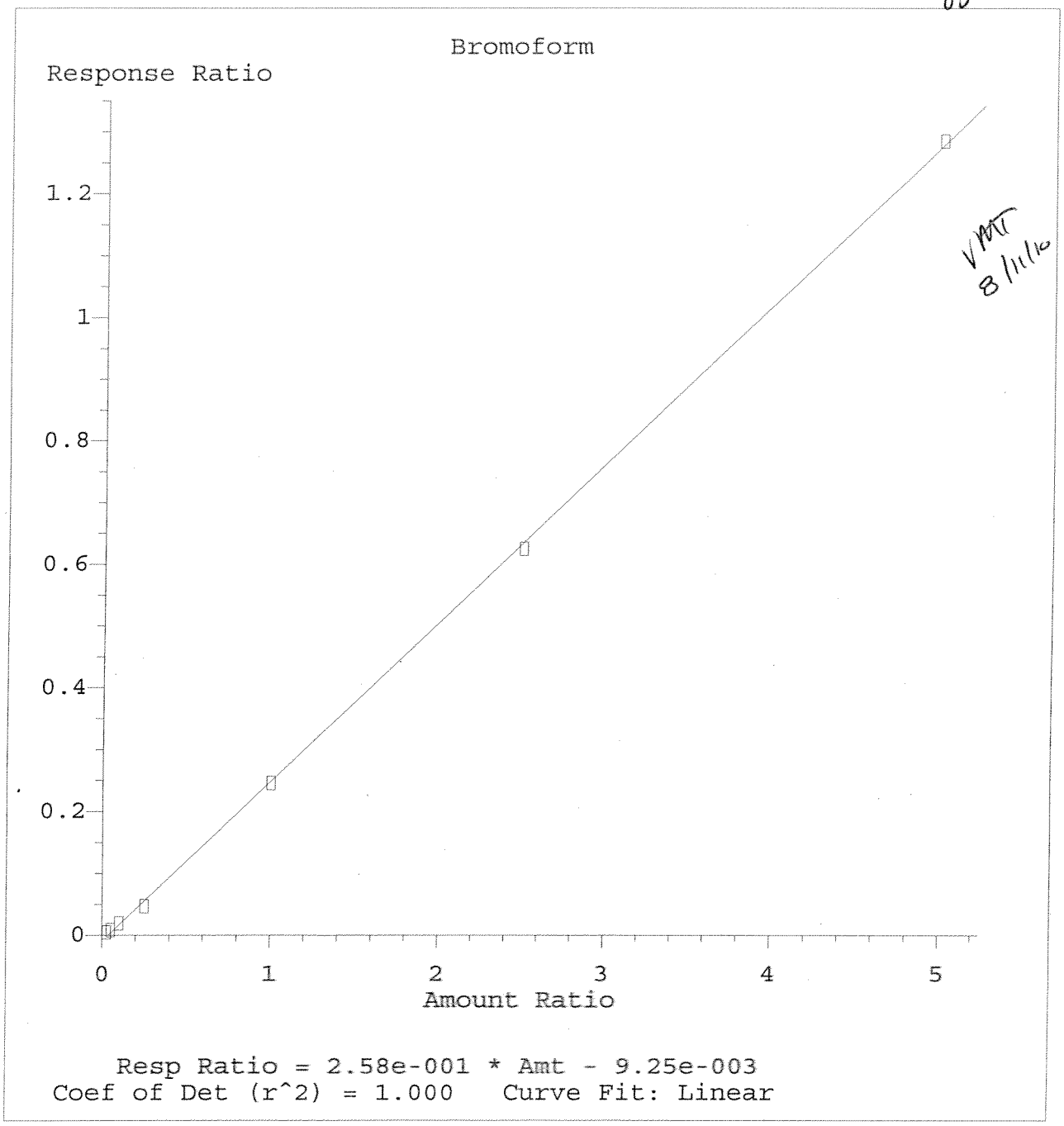


Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:39 2010

JR 08/11/10

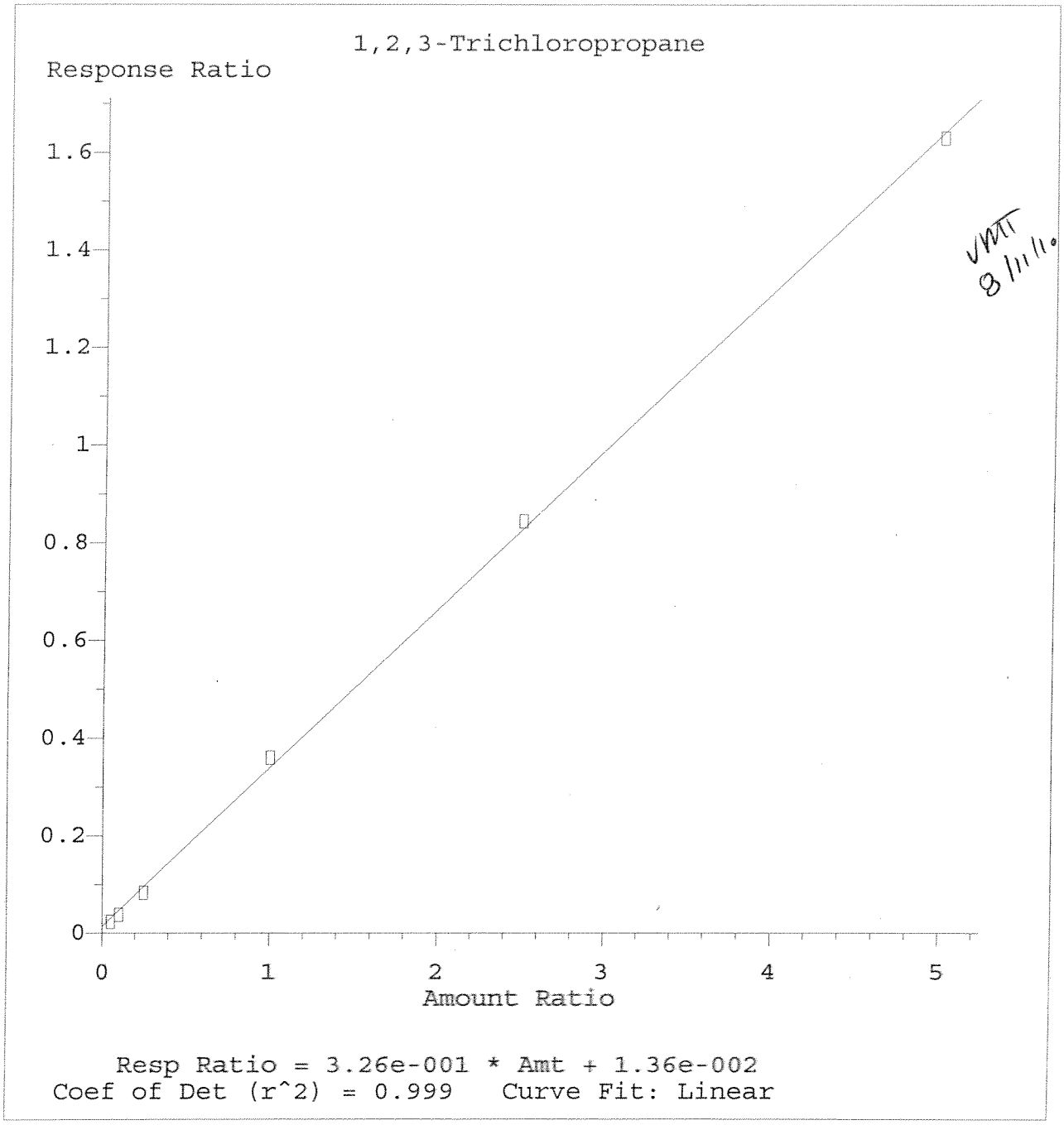


Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:06:08 2010



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:08:39 2010

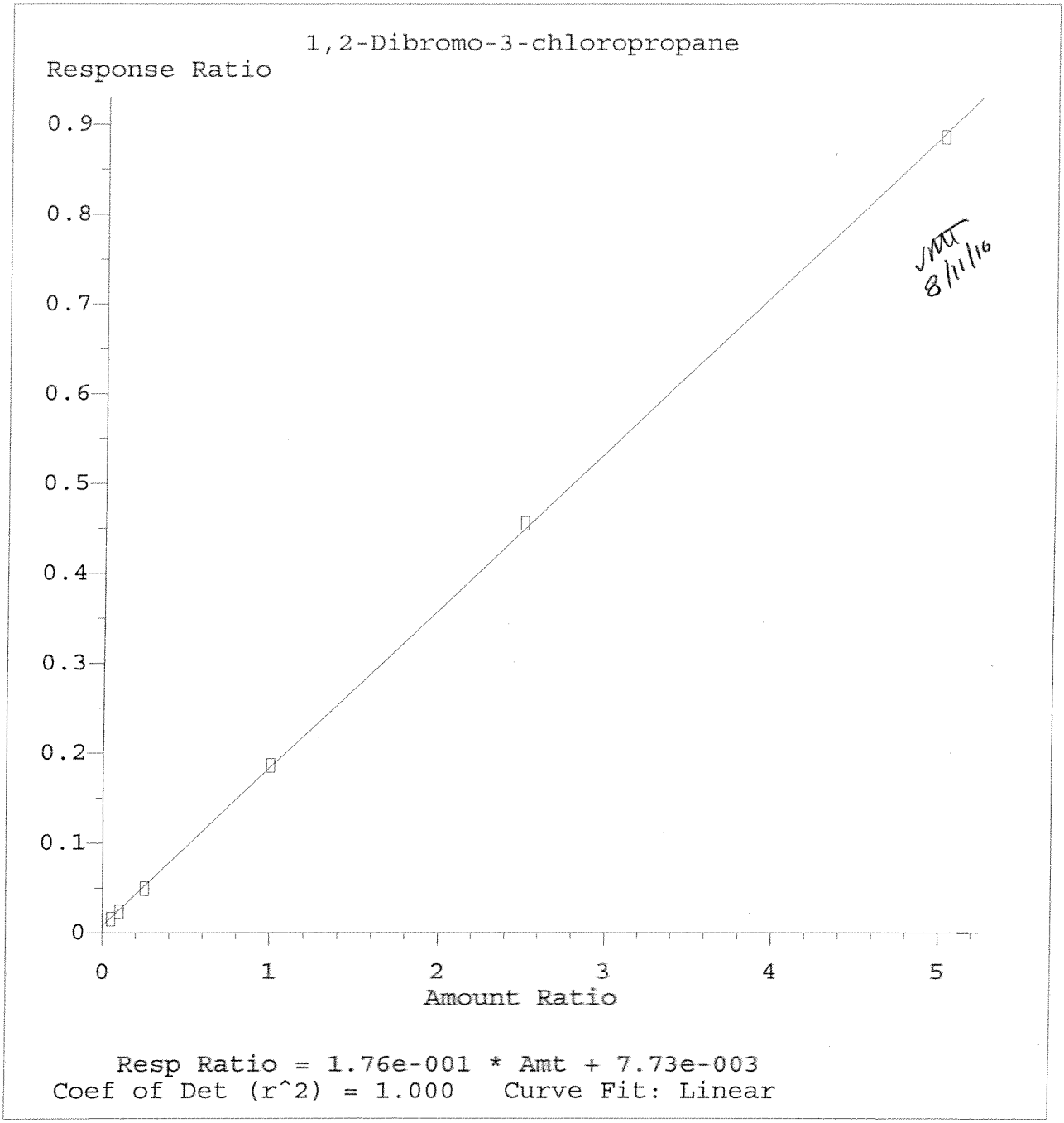
JR 08.11.10



VMT 8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:09:06 2010

CL 08/11/10



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:10:49 2010

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

JL 08-11-10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	80	120	15	0.0	18	89		17	87		2	
Chloromethane	20	80	120	15	0.0	19	95		20	99		5	
Vinyl Chloride	20	80	120	15	0.0	19	95		19	94		1	
Bromomethane	20	80	120	15	0.0	20	100		21	103		3	
Chloroethane	20	80	120	15	0.0	17	84		19	95		12	
t-Butyl alcohol (TBA)	100	80	120	15	0.0	99	99		85	85		16	*
Trichlorofluoromethane	20	80	120	15	0.0	17	87		17	86		1	
Diethyl ether	20	80	120	15	0.0	20	102		21	106		4	
1,1,2-Trichlorotrifluoroethane	20	80	120	15	0.0	16	80		17	84		5	
Acetone	100	80	120	15	0.0	113	113		103	103		9	
1,1-Dichloroethene	20	80	120	15	0.0	18	91		17	85		6	
Methyl iodide	20	80	120	15	0.0	19	96		20	102		6	
Di-isopropyl ether (DIPE)	20	80	120	15	0.0	19	94		19	97		3	
Methylene Chloride	20	80	120	15	0.0	23	117		20	102		13	
Carbon Disulfide	20	80	120	15	0.0	19	94		19	97		4	
Acrylonitrile	20	80	120	15	0.0	22	109		21	105		4	
Methyl-tert-butyl ether (MTBE)	40	80	120	15	0.0	47	119		47	117		2	
trans-1,2-Dichloroethene	20	80	120	15	0.0	18	91		18	92		2	
1,1-Dichloroethane	20	80	120	15	0.0	19	95		19	96		2	
Vinyl acetate	20	80	120	15	0.0	15	74	*	15	76	*	3	
Methyl ethyl ketone	100	80	120	15	0.0	109	109		100	100		9	
Ethyl t-butyl ether (ETBE)	20	80	120	15	0.0	20	98		20	98		0	
2,2-Dichloropropane	20	80	120	15	0.0	18	92		17	87		5	
cis-1,2-Dichloroethene	20	80	120	15	0.0	19	96		19	96		0	
t-Amyl methyl ether (TAME)	20	80	120	15	0.0	20	98		19	95		3	
Chloroform	20	80	120	15	0.0	18	92		19	93		1	
Bromochloromethane	20	80	120	15	0.0	21	103		20	99		4	
Tetrahydrofuran	20	80	120	15	0.0	23	113		21	105		7	
1,1,1-Trichloroethane	20	80	120	15	0.0	19	97		19	97		0	
1,1-Dichloropropene	20	80	120	15	0.0	18	91		19	93		2	
Carbon Tetrachloride	20	80	120	15	0.0	23	114		22	108		6	
1,2-Dichloroethane	20	80	120	15	0.0	20	98		20	100		1	
Benzene	20	80	120	15	0.0	18	89		19	93		4	
Trichloroethene	20	80	120	15	0.0	20	98		19	97		1	
1,2-Dichloropropane	20	80	120	15	0.0	19	97		20	99		2	
Methylmethacrylate	20	80	120	15	0.0	21	105		19	95		11	
Bromodichloromethane	20	80	120	15	0.0	21	104		20	98		6	
Dibromomethane	20	80	120	15	0.0	21	107		19	97		9	
1,4-Dioxane	500	80	120	15	0.0	527	105		458	92		14	
2-Hexanone	100	80	120	15	0.0	113	113		105	105		8	
Methyl isobutyl ketone	100	80	120	15	0.0	111	111		104	104		6	
cis-1,3-Dichloropropene	20	80	120	15	0.0	21	103		20	99		3	
Toluene	20	80	120	15	0.0	19	97		20	98		1	
trans-1,3-Dichloropropene	20	80	120	15	0.0	18	91		17	87		4	
1,1,2-Trichloroethane	20	80	120	15	0.0	21	105		20	101		4	
1,3-Dichloropropane	20	80	120	15	0.0	19	96		19	95		2	
Tetrachloroethene	20	80	120	15	0.0	22	110		22	111		1	
Dibromochloromethane	20	80	120	15	0.0	19	95		19	96		1	
1,2-Dibromoethane	20	80	120	15	0.0	20	98		19	95		3	

XDIZIW

VOA FORM 3

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

OK 08.11.1.

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Chlorobenzene	20	80	120	15	0.0	18	92		19	94		2	
1,1,1,2-Tetrachloroethane	20	80	120	15	0.0	19	95		19	96		1	
Ethylbenzene	20	80	120	15	0.0	19	93		19	95		2	
m,p-Xylene	40	80	120	15	0.0	37	92		38	95		3	
o-Xylene	20	80	120	15	0.0	19	93		19	95		2	
Styrene	20	80	120	15	0.0	19	95		19	96		1	
Bromoform	20	80	120	15	0.0	19	97		20	99		2	
Isopropylbenzene	20	80	120	15	0.0	16	82		17	83		2	
1,1,2,2-Tetrachloroethane	20	80	120	15	0.0	19	97		19	96		0	
1,2,3-Trichloropropane	20	80	120	15	0.0	21	105		21	103		2	
trans-1,4-Dichloro-2-butene	20	80	120	15	0.0	20	100		20	99		1	
n-Propylbenzene	20	80	120	15	0.0	18	92		19	93		1	
Bromobenzene	20	80	120	15	0.0	19	94		19	97		3	
1,3,5-Trimethylbenzene	20	80	120	15	0.0	19	95		20	98		3	
2-Chlorotoluene	20	80	120	15	0.0	20	98		20	99		1	
4-Chlorotoluene	20	80	120	15	0.0	19	95		19	97		2	
tert-butylbenzene	20	80	120	15	0.0	18	92		19	95		3	
1,2,4-Trimethylbenzene	20	80	120	15	0.0	18	90		19	93		3	
sec-butylbenzene	20	80	120	15	0.0	18	91		19	96		5	
p-isopropyltoluene	20	80	120	15	0.0	18	88		18	91		4	
1,3-Dichlorobenzene	20	80	120	15	0.0	19	93		19	95		2	
1,4-Dichlorobenzene	20	80	120	15	0.0	18	92		19	94		3	
n-butylbenzene	20	80	120	15	0.0	18	91		19	97		7	
1,2-Dichlorobenzene	20	80	120	15	0.0	19	93		20	98		5	
1,2-Dibromo-3-chloropropane	20	80	120	15	0.0	22	108		21	104		4	
1,2,4-Trichlorobenzene	20	80	120	15	0.0	18	91		19	95		4	
Hexachlorobutadiene	20	80	120	15	0.0	18	91		19	97		6	
Naphthalene	20	80	120	15	0.0	21	104		21	104		0	
1,2,3-Trichlorobenzene	20	80	120	15	0.0	20	98		20	102		3	
1,3,5-Trichlorobenzene	20	80	120	15	0.0	18	91		19	97		6	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

381210

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrato
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010 MT 9/14/10
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓105	0.01
2	TM	Dichlorodifluoromethane	0.757	0.748	1.2	108	0.00
3	TMP	Chloromethane	1.195	0.967 ✓	19.1	103	0.01
4	TMC	Vinyl Chloride	0.766	0.690	✓9.9	101	0.00
5	TM	Bromomethane	0.522	0.573	-9.8	104	0.02
6	TM	Chloroethane	0.579	0.533	7.9	101	0.01
7	TM	t-Butyl alcohol (TBA)	0.072	0.049#	MT 31.9#	83	0.01
8	TM	Trichlorofluoromethane	1.175	1.088	7.4	98	0.01
9	TM	Diethyl ether	0.315	0.313	0.6	93	0.01
10	TM	1,1,2-Trichlorotrifluoroeth	0.650	0.644	0.9	106	0.01
11	T	Acrolein	0.047	0.048#	-2.1	120	0.02
12	TM	Acetone	0.315	0.228 Lin 88%	~~27.6#~~	89	0.01
13	TMC	1,1-Dichloroethene	0.604	0.590	✓2.3	105	0.02
14	TM	Methyl iodide	0.481	0.772 (Lin 159%)	~~-60.5#~~	130	0.02
15	TM	Di-isopropyl ether (DIPE)	2.967	2.807	5.4	103	0.01
16	TM	Methylene Chloride	0.829	0.721	13.0	109	0.01
17	TM	Carbon Disulfide	2.044	2.065	-1.0	103	0.01
18	TM	Acrylonitrile	0.323	0.282	12.7	90	0.01
19	TM	Methyl-tert-butyl ether (MT	1.398	1.559	-11.5	108	0.03
20	TM	trans-1,2-Dichloroethene	1.029	0.973	5.4	101	0.01
21	TMP	1,1-Dichloroethane	1.344	1.180 ✓	12.2	101	0.01
22	TM	Vinyl acetate	1.252	1.557 124%	(-24.4#)	125	0.01
23	TM	Methyl ethyl ketone	0.072	0.064#	11.1	95	0.01
24	TM	Ethyl t-butyl ether (ETBE)	2.176	2.093	3.8	102	0.01
25	TM	2,2-Dichloropropane	0.775	0.793	-2.3	112	0.02
26	TM	cis-1,2-Dichloroethene	0.737	0.710	3.7	100	0.02
27	TM	t-Amyl methyl ether (TAME)	1.789	1.652	7.7	102	0.00
28	S	DB Holder #28	0.760	0.713	6.2	95	0.01
29	TMC	Chloroform	1.211	1.151	✓5.0	102	0.01
30	TM	Bromochloromethane	0.396	0.346	12.6	110	0.00
31	TM	Tetrahydrofuran	0.103	0.077# Lin 91%	~~25.2#~~	95	0.02
32	TM	1,1,1-Trichloroethane	0.945	0.939	0.6	102	0.01
33	T	Ethanol	0.013	0.008#	MT 38.5#	70	0.00
34	TM	1,1-Dichloropropene	0.947	0.897	5.3	102	0.01
35	TM	Carbon Tetrachloride	0.563	0.560	0.5	98	0.02
36	S	d4-1,2-Dichloroethane	0.760	0.713	6.2	95	0.01
37	TM	1,2-Dichloroethane	0.906	0.860	5.1	98	0.00
38	TM	Benzene	2.460	2.275	7.5	101	0.01
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓103	0.01
40	TM	Trichloroethene	0.432	0.375	13.2	101	0.01

(#) = Out of Range 5-7-2010

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrato
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010 MT 9/14/10
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	TMC	1,2-Dichloropropane	0.349	0.346	✓0.9	104	0.01
42	TM	Methylmethacrylate	0.252	0.222	11.9	94	0.00
43	T	Methyl acetate	0.527	0.420	~~20.3#~~	89	0.01
44	T	Cyclohexane	0.572	0.624	-9.1	112	0.02
45	TM	Bromodichloromethane	0.407	0.407	0.0	101	0.01
46	TM	Dibromomethane	0.267	0.256	4.1	105	0.01
47	TM	1,4-Dioxane	0.004	0.003#	25.0#	76	0.01
48	T	Methylcyclohexane	0.516	0.539	-4.5	108	0.01
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
50	T	2-Chloroethylvinyl ether	0.198	0.210	-6.1	116	0.00
51	TM	2-Hexanone	0.145	0.130	10.3	94	0.00
52	TM	Methyl isobutyl ketone	0.148	0.137	7.4	94	0.00
53	TM	cis-1,3-Dichloropropene	0.537	0.537	0.0	100	0.01
54	S	d8-Toluene	1.103	1.098	0.5	102	0.01
55	TMC	Toluene	0.773	0.775	✓-0.3	103	0.01
56	TM	trans-1,3-Dichloropropene	0.505	0.499	1.2	100	0.01
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
58	TM	1,1,2-Trichloroethane	0.250	0.250	0.0	99	0.01
59	TM	1,3-Dichloropropane	0.544	0.497	8.6	97	0.01
60	TM	Tetrachloroethene	0.369	0.331	10.3	97	0.00
61	TM	Dibromochloromethane	0.372	0.353	5.1	100	0.01
62	TM	1,2-Dibromoethane	0.385	0.355	7.8	97	0.01
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓104	0.00
64	TMP	Chlorobenzene	1.040	0.997✓	4.1	104	0.00
65	TM	1,1,1,2-Tetrachloroethane	0.360	0.343	4.7	101	0.01
66	TMC	Ethylbenzene	1.627	1.548	✓4.9	103	0.00
67	TM	m,p-Xylene	0.664	0.640	3.6	104	0.00
68	TM	o-Xylene	0.641	0.631	1.6	104	0.00
69	TM	Styrene	1.121	1.093	2.5	104	0.01
70	TMP	Bromoform	0.212	0.233✓	-9.9	99	0.01
71	TM	Isopropylbenzene	1.669	1.623	2.8	104	0.00
72	TMP	1,1,2,2-Tetrachloroethane	0.494	0.443✓	10.3	96	0.00
73	S	Bromofluorobenzene	0.471	0.461	2.1	101	0.00
74	TM	1,2,3-Trichloropropane	0.370	0.322	13.0	93	0.01
75	TM	trans-1,4-Dichloro-2-butene	0.128	0.131	-2.3	102	0.01
76	TM	n-Propylbenzene	1.963	1.861	5.2	102	0.01
77	TM	Bromobenzene	0.375	0.367	2.1	103	0.01
78	TM	1,3,5-Trimethylbenzene	1.306	1.295	0.8	103	0.00
79	TM	2-Chlorotoluene	1.193	1.166	2.3	101	0.00
80	TM	4-Chlorotoluene	1.128	1.122	0.5	105	0.00

(#) = Out of Range 5/2010

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrato
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Multiple Level Calibration

MT 9/14/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	TM	tert-butylbenzene	1.158	1.117	3.5	102	0.01
82	TM	1,2,4-Trimethylbenzene	1.399	1.350	3.5	102	0.01
83	T	Diisobutylketone	0.990	0.944	4.6	102	0.00
84	TM	sec-butylbenzene	1.848	1.795	2.9	104	0.01
85	TM	p-isopropyltoluene	1.479	1.433	3.1	104	0.00
86	TM	1,3-Dichlorobenzene	0.683	0.670	1.9	106	0.00
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓106	0.00
88	TM	1,4-Dichlorobenzene	1.607	1.523	5.2	102	0.00
89	TM	n-butylbenzene	3.130	3.001	4.1	103	0.01
90	TM	1,2-Dichlorobenzene	1.444	1.401	3.0	103	0.00
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
92	TM	1,2-Dibromo-3-chloropropane	0.214	0.164 Lin 89%	~~23.4#~~	93	0.00
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
94	TM	1,2,4-Trichlorobenzene	1.102	1.111	-0.8	104	0.00
95	TM	Hexachlorobutadiene	0.547	0.550	-0.5	107	0.00
96	TM	Naphthalene	2.674	2.654	0.7	100	0.00
97	TM	1,2,3-Trichlorobenzene	0.977	0.994	-1.7	105	0.00
98	TM	1,3,5-Trichlorobenzene	1.168	1.191	-2.0	107	0.00

9-2010

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	C76180SC.D
0=LINEAR	Date Acquired	9/13/10 10:54
3=QUADRATIC	Sample Name	20 PPB

MT 9/14/10

METHOD: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	19.75	20	1.3%	NA	OK
0	Chloromethane	19.04	20	4.8%		OK
1	Vinyl Chloride	18.01	20	9.9%	NA	OK
0	Bromomethane	18.68	20	6.6%		OK
1	Chloroethane	18.38	20	8.1%	NA	OK
1	t-Butyl alcohol (TBA)	67.67	100	32.3%	NA	* MT
1	Trichlorofluoromethane	18.51	20	7.5%	NA	OK
1	Diethyl ether	19.88	20	0.6%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	19.81	20	0.9%	NA	OK
0	Acrolein	112.77	100	12.8%		OK
0	Acetone	87.59	100	12.4%		OK
1	1,1-Dichloroethene	19.52	20	2.4%	NA	OK
0	Methyl iodide	27.89	20	39.5%		*
1	Di-isopropyl ether (DIPE)	18.92	20	5.4%	NA	OK
0	Methylene Chloride	20.83	20	4.1%		OK
1	Carbon Disulfide	20.21	20	1.0%	NA	OK
1	Acrylonitrile	17.49	20	12.6%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	22.30	20	11.5%	NA	OK
1	trans-1,2-Dichloroethene	18.91	20	5.5%	NA	OK
0	1,1-Dichloroethane	19.70	20	1.5%		OK
1	Vinyl acetate	24.87	20	24.4%	NA	*
1	Methyl ethyl ketone	89.52	100	10.5%	NA	OK
1	Ethyl t-butyl ether (ETBE)	19.23	20	3.8%	NA	OK
1	2,2-Dichloropropane	20.46	20	2.3%	NA	OK
1	cis-1,2-Dichloroethene	19.27	20	3.7%	NA	OK
1	t-Amyl methyl ether (TAME)	18.47	20	7.6%	NA	OK
1	Chloroform	19.01	20	5.0%	NA	OK
0	Bromochloromethane	21.80	20	9.0%		OK
0	Tetrahydrofuran	18.17	20	9.1%		OK
1	1,1,1-Trichloroethane	19.88	20	0.6%	NA	OK
1	Ethanol	659.85	1000	34.0%	NA	* MT
1	1,1-Dichloropropene	18.95	20	5.2%	NA	OK
1	Carbon Tetrachloride	19.87	20	0.7%	NA	OK
1	d4-1,2-Dichloroethane	18.76	20	6.2%	NA	OK
1	1,2-Dichloroethane	18.97	20	5.2%	NA	OK
1	Benzene	18.50	20	7.5%	NA	OK
0	Trichloroethene	21.29	20	6.4%		OK
1	1,2-Dichloropropane	19.81	20	1.0%	NA	OK
1	Methylmethacrylate	17.56	20	12.2%	NA	OK
0	Methyl acetate	18.08	20	9.6%		OK

9-7-2010

MT 9/14/10

1	Cyclohexane	21.83	20	9.2%	NA	OK
1	Bromodichloromethane	20.03	20	0.2%	NA	OK
0	Dibromomethane	22.78	20	13.9%		OK
1	1,4-Dioxane	371.81	500	25.6%	NA	* MT
1	Methylcyclohexane	20.89	20	4.4%	NA	OK
1	2-Chloroethylvinyl ether	21.22	20	6.1%	NA	OK
1	2-Hexanone	89.74	100	10.3%	NA	OK
1	Methyl isobutyl ketone	92.29	100	7.7%	NA	OK
1	cis-1,3-Dichloropropene	19.98	20	0.1%	NA	OK
1	d8-Toluene	19.92	20	0.4%	NA	OK
1	Toluene	20.06	20	0.3%	NA	OK
1	trans-1,3-Dichloropropene	19.75	20	1.3%	NA	OK
1	1,1,2-Trichloroethane	20.00	20	0.0%	NA	OK
1	1,3-Dichloropropane	18.28	20	8.6%	NA	OK
1	Tetrachloroethene	17.92	20	10.4%	NA	OK
1	Dibromochloromethane	19.00	20	5.0%	NA	OK
1	1,2-Dibromoethane	18.45	20	7.8%	NA	OK
1	Chlorobenzene	19.17	20	4.2%	NA	OK
1	1,1,1,2-Tetrachloroethane	19.09	20	4.6%	NA	OK
1	Ethylbenzene	19.03	20	4.8%	NA	OK
1	m,p-Xylene	38.59	40	3.5%	NA	OK
1	o-Xylene	19.71	20	1.4%	NA	OK
1	Styrene	19.51	20	2.5%	NA	OK
0	Bromoform	18.82	20	5.9%		OK
1	Isopropylbenzene	19.45	20	2.7%	NA	OK
1	1,1,2,2-Tetrachloroethane	17.95	20	10.3%	NA	OK
1	Bromofluorobenzene	19.60	20	2.0%	NA	OK
0	1,2,3-Trichloropropane	18.95	20	5.2%		OK
1	trans-1,4-Dichloro-2-butene	20.54	20	2.7%	NA	OK
1	n-Propylbenzene	18.95	20	5.2%	NA	OK
1	Bromobenzene	19.57	20	2.2%	NA	OK
1	1,3,5-Trimethylbenzene	19.84	20	0.8%	NA	OK
1	2-Chlorotoluene	19.54	20	2.3%	NA	OK
1	4-Chlorotoluene	19.90	20	0.5%	NA	OK
1	tert-butylbenzene	19.29	20	3.6%	NA	OK
1	1,2,4-Trimethylbenzene	19.30	20	3.5%	NA	OK
1	Diisobutylketone	95.36	100	4.6%	NA	OK
1	sec-butylbenzene	19.42	20	2.9%	NA	OK
1	p-isopropyltoluene	19.37	20	3.1%	NA	OK
1	1,3-Dichlorobenzene	19.61	20	2.0%	NA	OK
1	1,4-Dichlorobenzene	18.95	20	5.2%	NA	OK
1	n-butylbenzene	19.17	20	4.1%	NA	OK
1	1,2-Dichlorobenzene	19.42	20	2.9%	NA	OK
0	1,2-Dibromo-3-chloropropane	17.72	20	11.4%		OK
1	1,2,4-Trichlorobenzene	20.16	20	0.8%	NA	OK
1	Hexachlorobutadiene	20.12	20	0.6%	NA	OK
1	Naphthalene	19.85	20	0.8%	NA	OK
1	1,2,3-Trichlorobenzene	20.35	20	1.7%	NA	OK
1	1,3,5-Trichlorobenzene	20.39	20	1.9%	NA	OK

9-2010

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
TED PURGE (Y/N): N

SDG:

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
Upper Limit	393962		7.15		774998		8.65		686338		13.18		299682		16.90	
Lower limit	98491		7.03		193750		8.53		171585		13.06		74921		16.78	
SAMPLE ID																
0.2 PPB	195858		7.10		379188		8.59		335209		13.11		150145		16.83	
0.5 PPB	197160		7.10		377545		8.59		336495		13.11		150633		16.83	
1.0 PPB	198221		7.10		390972		8.59		340345		13.12		151939		16.84	
2.0 PPB	201313		7.10		385421		8.59		340024		13.12		151871		16.84	
5.0 PPB	191436		7.10		377072		8.59		326733		13.11		146462		16.83	
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
50.0 PPB	187674		7.10		375824		8.59		333454		13.12		146646		16.83	
100.0 PPB	212825		7.10		426996		8.59		369802		13.12		156214		16.84	
20 PPB ICV	136751		7.09		264160		8.59		237302		13.12		105646		16.84	
20 PPB ICV2	197193		7.10		389939		8.59		341660		13.12		149620		16.84	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
TED PURGE (Y/N): N

SDG: 67743

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	207593		7.09		400722		8.58		358051		13.10		159032		16.82	
Upper Limit	415186		7.15		801444		8.64		716102		13.16		318064		16.88	
Lower limit	103797		7.03		200361		8.52		179026		13.04		79516		16.76	
SAMPLE ID																
LS09130C	216243		7.08		423790		8.57		367658		13.11		161114		16.82	
LS09130C2	211513		7.08		425087		8.58		378482		13.10		171418		16.82	
MB09130C	214534		7.09		431747		8.58		378639		13.11		163899		16.83	
67743-1	207920		7.09		419724		8.58		364104		13.12		160584		16.82	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 14, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV091310K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/13/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				76
Surrogate % Recovery (2,5-Dibromotoluene) FID				78
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 14, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM4-01

SAMPLE DATA

Lab Sample ID: 67743-1
Matrix: Solid
Percent Solid: 82
Dilution Factor: 149.2
Collection Date: 09/10/10
Lab Receipt Date: 09/10/10
Analysis Date: 09/13/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	7460	µg/kg	**8520**
Unadjusted C9-C12 Aliphatics[1]	N/A	7460	µg/kg	**86300**
Benzene	C5-C8	300	µg/kg	U
Ethylbenzene	C9-C12	300	µg/kg	**190 J**
Methyl-tert-butyl ether	C5-C8	300	µg/kg	U
Naphthalene	N/A	300	µg/kg	**2870**
Toluene	C5-C8	300	µg/kg	U
m- & p-Xylenes	C9-C12	600	µg/kg	U
o-Xylene	C9-C12	300	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	7460	µg/kg	**8520**
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	7460	µg/kg	**48500**
C9-C10 Aromatic Hydrocarbons[1]	N/A	1490	µg/kg	**37700**
Surrogate % Recovery (2,5-Dibromotoluene) PID				99
Surrogate % Recovery (2,5-Dibromotoluene) FID				93
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67743

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV091310K	87		84	
LSV091310K2	69	*	77	
MBV091310K	78		76	
67743-1,10X	93		102	
67743-1,2X	93		99	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67743
Non-spiked sample: MBV091310K
Spike: LSV091310K
Spike duplicate: LSV091310K2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4567	91		4305	86		6	
2-Methylpentane	5000	5000	70	130	25	0	4473	89		4216	84		6	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	5048	101		4711	94		7	
n-Decane	5000	5000	70	130	25	0	4867	97		4399	88		10	
n-Butylcyclohexane	5000	5000	70	130	25	0	4701	94		4220	84		11	
Methyl-t-butylether #2	5000	5000	70	130	25	0	4049	81		3776	76		7	
Benzene #2	5000	5000	70	130	25	0	4433	89		4149	83		7	
Toluene #2	5000	5000	70	130	25	0	4419	88		4149	83		6	
Ethylbenzene #2	5000	5000	70	130	25	0	4285	86		4040	81		6	
m,p-Xylene #2	10000	10000	70	130	25	0	8861	89		8346	83		6	
o-Xylene #2	5000	5000	70	130	25	0	4230	85		3963	79		7	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4290	86		4000	80		7	
Naphthalene #2	5000	5000	70	130	25	0	3805	76		3357	67	*	12	
C5-C8 Aliphatics	15000	15000	70	130	25	0	14089	94		13233	88		6	
C9-C12 Aliphatics	10000	10000	70	130	25	0	9568	96		8619	86		10	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4290	86		4000	80		7	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VPH FORM 3

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

072210-K

VPH Surrogate: -

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH	
1	~~07~~ VPH072210.M	BLK	5ml	–	–		K27978	JJL	N	A
2		VPH 100		200ml	VB896	✓, changed trap + baked	79SC			
3		BLK		–	–		80			
4		VPH 100		200ml	VB896	✓	81SC			
5		LSV072210K	100ml/5ml	5ml	VB899	↑ Pentane, changed sponge tube	82Q			
6		BLK	5ml	–	–		83			
7		LSV072210K.RR	100ml/5ml	5ml	VB899	↑ Pentane, Recal	84Q			
8		BLK	5ml	–	–	co concern	85			
9		VPH 1		2ml	VB910	✓	86SI			
10		VPH 2		4ml		✓	87SI			
11		VPH 5		10ml		✓	88SI			
12		VPH 20		40ml		✓	89SI			
13		VPH 50		100ml		✓	90SI			
14		VPH 100		200ml		✓	91SI			
15		VPH 200		400ml		✓	92SI			
16		BLK		–	–	co concern	93			
17		VPH 500		1ml	VB910	✓	94SI			
18		BLK		–	–	co concern	95			
19		LV072210K.ICV		100ml	VB898	✓	96Q			
20		VPH 100		200ml	VB910	✓ Test theory on mstr.	97			

gg 7/23/10

Analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

091310-K

VPH Surrogate: (1) V8999 x. 3/1/11 (2) V8996 x 9/30/10

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	VPH072210.m	BLK	5ml	-	-		K28856	JJL	n/a
2		VPH 100	⊥	200ml	V9000	✓	57SC		
3		LSV091310K	100ml/5ml	5ml	V8997	✓	58Q		
4		LSV091310K2	⊥	⊥	⊥	↓naphthalene, C9-C10 OK	59Q		
5		BLK	5ml	-	-		60		
6		MBV091310K	100ml/5ml	10ml	V8999	✓	61B		
7		67722-5	⊥	86ml	V8996	✓ T.B.	62		
8		⊥ -1, 10X	10ml/5ml	10ml	(1)	✓ 8:22	63		
9		67743-1, 10X	⊥	⊥	⊥	RR 2X 9:63	64		
10		67722-3, 50X	2ml/5ml	⊥	⊥	✓ 10:12	65		
11		67743-1, 2X	50ml/5ml	⊥	⊥	✓	66		
12		VPH 100	5ml	200ml	V9000	✓	67SC		
13		LV091310K	⊥	100ml	V9009	✓	68Q		
14		BLK	⊥	-	-		69		
15		BV091310K	⊥	86ml	V8996	✓	70B		⊥
16		67731-1	⊥	⊥	(2)	RR 10X	71		L2
17		⊥ -2	⊥	⊥	⊥	✓	72		L2
18		⊥ -3	⊥	⊥	⊥	RR	73		L2
19		BLK	⊥	-	⊥	CO concern	74		n/a
20		LSV091310K3	100ml/5ml	5ml	V8997	✓	75Q		⊥
21		LSV091310K4	⊥	⊥	⊥	✓	76Q		⊥
22		BLK	5ml	-	-		77		⊥
23		MBV091310K2	100ml/5ml	10ml	V8999	✓	78B		⊥
24		67722-2, MS, 50X	2ml/5ml	5ml	V8997	several failures, few hits	79SP		⊥
25		⊥ -2, MSD, 50X	⊥	⊥	⊥	for RPD, needs to run @ 20X	80SP		⊥
26		VPH 100	5ml	200ml	V9000	✓	81SC		⊥
27	⊥	VPH 100	⊥	⊥	⊥	✓	82SC	⊥	⊥

gg 9/14/10

Method Path : C:\msdchem\1\METHODS\
Method File : VPH072210.M
Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
Last Update : Fri Jul 23 15:04:23 2010
Response Via : Initial Calibration

Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

SB 7/26/10

		Compound	2	5	20	50	0.5	100	Avg		%RSD
1)	ZM	Pentane	6.623	6.311	7.147	7.202		7.570	6.997	E3	6.67
2)	ZM	2-Methylpentane	8.536	7.466	8.207	8.247		8.690	8.185	E3	5.68
3)	T	Methyl-t-buty...							0.000		-1.00
4)	ZM	2,2,4-Trimeth...	8.216	7.647	8.896	8.375		7.993	7.717	E3	12.43
5)	T	Benzene							0.000		-1.00
6)	T	Toluene							0.000		-1.00
7)	XH	C5-C8 ALIPHATICS	7.792	7.141	8.083	7.941		8.084	7.325	E3	12.19
8)		n-Nonane							0.000		-1.00
9)	T	Ethylbenzene							0.000		-1.00
10)	T	m,p-Xylene							0.000		-1.00
11)	T	o-Xylene							0.000		-1.00
12)	ZM	n-Decane	6.039	4.950	5.191	5.579		7.997	6.897	E3	23.76
13)	ZM	n-Butylcycloh...	6.357	6.435	6.593	6.777		8.029	7.361	E3	16.80
14)	XH	C9-C12 ALIPHA...	6.198	5.693	5.892	6.178		8.013	7.129	E3	19.33
15)	Z	1,2,4-Trimeth...							0.000		-1.00
16)	XH	C9-C10 AROMATICS							0.000		-1.00
17)	T	Naphthalene							0.000		-1.00
18)	S	2,5-Dibromoto...	3.791	2.742	2.584	2.712		2.859	2.941	E3	13.62

Signal #2 Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

MAT 7/26/10

		Compound	2	5	20	50	0.5	100	Avg		%RSD
1)	Z	Pentane							0.000		-1.00
2)	Z	2-Methylpentane							0.000		-1.00
3)	TM	Methyl-t-buty...	5.373	4.158	4.484	4.526		4.479	4.664	E3	12.22
4)	Z	2,2,4-Trimeth...							0.000		-1.00
5)	TM	Benzene	1.280	1.265	1.309	1.312		1.321	1.301	E4	1.56
6)	TM	Toluene	1.248	1.135	1.190	1.197		1.223	1.193	E4	3.83
7)	XH	C5-C8 ALIPHATICS							0.000		-1.00
8)		n-Nonane							0.000		-1.00
9)	TM	Ethylbenzene	1.177	0.993	1.048	1.061		1.087	1.093	E4	6.11
10)	TM	m,p-Xylene	1.224	1.143	1.234	1.248		1.283	1.255	E4	5.18
11)	TM	o-Xylene	1.143	0.990	1.048	1.062		1.083	1.119	E4	12.52
12)	Z	n-Decane							0.000		-1.00
13)	Z	n-Butylcycloh...							0.000		-1.00
14)	XH	C9-C12 ALIPHA...							0.000		-1.00
15)	ZM	1,2,4-Trimeth...	1.101	0.986	1.065	1.097		1.136	1.180	E4	20.03
16)	XH	C9-C10 AROMATICS	1.101	0.986	1.065	1.097		1.136	1.180	E4	20.03
17)	TM	Naphthalene	1.007	0.881	0.939	0.971		0.997	1.019	E4	14.63
18)	S	2,5-Dibromoto...	8.562	6.808	7.149	7.585		8.153	7.893	E3	9.31

(#) = Out of Range ### Number of calibration levels exceeded format ###

VOLATILE PETROLEUM HYDROCARBONS AQUEOUS
LABORATORY CONTROL SAMPLE

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: LV072210K,ICV
Spike: LV072210K,ICV

88 7/26/10
VMT 7/26/10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
Pentane	100	70	130	0.0	119	119	
2-Methylpentane	100	70	130	0.0	111	111	
2,2,4-Trimethylpentane	100	70	130	0.0	96	96	
n-Decane	100	70	130	0.0	111	111	
n-Butylcyclohexane	100	70	130	0.0	102	102	
Methyl-t-butylether #2	100	70	130	0.0	95	95	
Benzene #2	100	70	130	0.0	103	103	
Toluene #2	100	70	130	0.0	103	103	
Ethylbenzene #2	100	70	130	0.0	99	99	
m,p-Xylene #2	200	70	130	0.0	204	102	
o-Xylene #2	100	70	130	0.0	97	97	
1,2,4-Trimethylbenzene #2	100	70	130	0.0	97	97	
Naphthalene #2	100	70	130	0.0	100	100	
C5-C8 Aliphatics	300	70	130	0.0	326	109	
C9-C12 Aliphatics	200	70	130	0.0	213	107	
C9-C10 Aromatics #2	100	70	130	0.0	97	97	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VPH FORM 3

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67743
Standard ID: VPH 100 UG/L
Data File ID: K28857SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	99	1.0	
2-Methylpentane	100	0.4	
2,2,4-Trimethylpentane	118	18.3	
n-Decane	109	8.9	
n-Butylcyclohexane	103	2.9	
2,5-Dibromotoluene	81	19.0	
Methyl-t-butylether #2	95	4.8	
Benzene #2	103	3.1	
Toluene #2	103	3.5	
Ethylbenzene #2	100	0.4	
m,p-Xylene #2	207	3.6	
o-Xylene #2	98	2.3	
1,2,4-Trimethylbenzene #2	96	3.9	
Naphthalene #2	87	12.9	
2,5-Dibromotoluene #2	91	9.2	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67743
Standard ID: VPH 100 UG/L
Data File ID: K28867SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	100	0.1	
2-Methylpentane	101	0.8	
2,2,4-Trimethylpentane	112	12.2	
n-Decane	111	11.1	
n-Butylcyclohexane	107	6.7	
2,5-Dibromotoluene	91	8.8	
Methyl-t-butylether #2	92	8.2	
Benzene #2	100	0.5	
Toluene #2	101	0.9	
Ethylbenzene #2	98	1.8	
m,p-Xylene #2	202	1.0	
o-Xylene #2	96	4.1	
1,2,4-Trimethylbenzene #2	94	5.7	
Naphthalene #2	90	10.1	
2,5-Dibromotoluene #2	97	2.7	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67743

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K28857SC.D	9/13/2010 9:07	11.353		11.352	
Upper Limit			11.383		11.382	
Lower limit			11.323		11.322	

SAMPLE ID						
LSV091310K	K28858Q.D	9/13/2010 9:47	11.354		11.354	
LSV091310K2	K28859Q.D	9/13/2010 10:11	11.354		11.353	
MBV091310K	K28861B.D	9/13/2010 11:08	11.354		11.353	
67743-1,10X	K28864.D	9/13/2010 12:39	11.352		11.351	
67743-1,2X	K28866.D	9/13/2010 13:31	11.352		11.352	
VPH 100 UG/L	K28867SC.D	9/13/2010 13:55	11.354		11.354	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 14, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B091310EASE
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/13/10
Analysis Date: 09/14/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				44
Aromatic Surrogate % Recovery (O-Terphenyl)				87
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				83
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				82
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 14, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM4-01

SAMPLE DATA

Lab Sample ID: 67743-1
Matrix: Solid
Percent Solid: 82
Dilution Factor: 1.2
Collection Date: 09/10/10
Lab Receipt Date: 09/10/10
Extraction Date: 09/13/10
Analysis Date: 09/14/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		30700	µg/kg	**51300**
Diesel PAH Analytes	Naphthalene	307	µg/kg	**979**
	2-Methylnaphthalene	307	µg/kg	**2000**
	Phenanthrene	307	µg/kg	U
	Acenaphthene	307	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	307	µg/kg	U
	Fluorene	307	µg/kg	**155 J**
	Anthracene	307	µg/kg	U
	Fluoranthene	307	µg/kg	U
	Pyrene	307	µg/kg	U
	Benzo[a]anthracene	307	µg/kg	U
	Chrysene	307	µg/kg	U
	Benzo[b]fluoranthene	307	µg/kg	**214 J**
	Benzo[k]fluoranthene	307	µg/kg	U
	Benzo[a]pyrene	307	µg/kg	U
	Indeno[1,2,3-cd]pyrene	307	µg/kg	U
	Dibenzo[a,h]anthracene	307	µg/kg	U
	Benzo[g,h,i]perylene	307	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		30700	µg/kg	**79800**
C19-C36 Aliphatic Hydrocarbons[1]		30700	µg/kg	**26100 J**
C11-C22 Aromatic Hydrocarbons[1,2]		30700	µg/kg	**47900**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				54
Aromatic Surrogate % Recovery (O-Terphenyl)				80
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				72
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				75
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mark Hall

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743

SAMPLE ID	SMC 1 (%)	#
B091310EASE	44	
L091310EASE	57	
LD091310EASE	72	
67743-1	54	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B091310EASE	83		82		87	
L091310EASE	73		74		85	
LD091310EASE	70		68		85	
67743-1	72		75		80	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743

SAMPLE ID	SMC 1 (%)	#
B091310EASE,,RR	43	
67743-1,MS	40	
67743-1,MSD	63	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B091310EASE,,RR	80		78		82	
67743-1,MS	82		80		82	
67743-1,MSD	80		77		73	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
Non-spiked sample: B091310EASE
Spike: L091310EASE
Spike duplicate: LD091310EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3333	3333	30	140	25	0	2046	61		2008	60		2	
C-10	3333	3333	40	140	25	0	2322	70		2327	70		0	
C-12	3333	3333	40	140	25	0	2566	77		2438	73		5	
C-14	3333	3333	40	140	25	0	2672	80		2634	79		1	
C-16	3333	3333	40	140	25	0	2650	79		2733	82		3	
C-18	3333	3333	40	140	25	0	2814	84		2691	81		4	
C-19	3333	3333	40	140	25	0	2814	84		2858	86		2	
C-20	3333	3333	40	140	25	0	2793	84		2774	83		1	
C-22	3333	3333	40	140	25	0	2702	81		2644	79		2	
C-24	3333	3333	40	140	25	0	2462	74		2558	77		4	
C-26	3333	3333	40	140	25	0	2446	73		2370	71		3	
C-28	3333	3333	40	140	25	0	2371	71		2425	73		2	
C-30	3333	3333	40	140	25	0	2318	70		2373	71		2	
C-36	3333	3333	40	140	25	0	2144	64		2025	61		6	
C9-C18 Aliphatics	20000	20000	40	140	25	0	15070	75		14830	74		2	
C19-C36 Aliphatics	26667	26667	40	140	25	0	20050	75		20028	75		0	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
Non-spiked sample: B091310EASE
Spike: L091310EASE
Spike duplicate: LD091310EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3333	3333	40	140	30	0	1988	60		2360	71		17	
2-Methylnaphthalene	3333	3333	40	140	30	0	2151	65		2410	72		11	
Acenaphthylene	3333	3333	40	140	30	0	2306	69		2502	75		8	
Acenaphthene	3333	3333	40	140	30	0	2389	72		2520	76		5	
Fluorene	3333	3333	40	140	30	0	2448	73		2659	80		8	
Phenanthrene	3333	3333	40	140	30	0	2647	79		2863	86		8	
Anthracene	3333	3333	40	140	30	0	2662	80		2738	82		3	
Fluoranthene	3333	3333	40	140	30	0	2698	81		2860	86		6	
Pyrene	3333	3333	40	140	30	0	2669	80		2835	85		6	
Benzo[a]anthracene	3333	3333	40	140	30	0	2683	80		2859	86		6	
Chrysene	3333	3333	40	140	30	0	2616	78		2781	83		6	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	2587	78		2670	80		3	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	2728	82		2813	84		3	
Benzo[a] pyrene	3333	3333	40	140	30	0	2743	82		2680	80		2	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	3560	107		2743	82		26	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	2826	85		2661	80		6	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	2925	88		2843	85		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH ARO FORM 3

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG: 67743
Aliphatic LCS: L091310EASE
Aromatic LCS: L091310EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	14.9	0.0	
2-Methylnaphthalene	0	5	0.00	16.1	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG: 67743
Aliphatic LCS: LD091310EASE
Aromatic LCS: LD091310EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	17.7	0.0	
2-Methylnaphthalene	0	5	0.00	18.1	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
Non-spiked sample: 67743-1
Spike: 67743-1,MS
Spike duplicate: 67743-1,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3898	4029	30	140	50	0	2116	54		2215	55		5	
C-10	3898	4029	40	140	50	0	2505	64		2665	66		6	
C-12	3898	4029	40	140	50	0	2981	76		3532	88		17	
C-14	3898	4029	40	140	50	0	3261	84		3469	86		6	
C-16	3898	4029	40	140	50	0	3156	81		3200	79		1	
C-18	3898	4029	40	140	50	0	3203	82		3086	77		4	
C-19	3898	4029	40	140	50	0	3209	82		3151	78		2	
C-20	3898	4029	40	140	50	0	3158	81		3341	83		6	
C-22	3898	4029	40	140	50	0	3137	80		3090	77		1	
C-24	3898	4029	40	140	50	0	2909	75		3122	77		7	
C-26	3898	4029	40	140	50	0	3059	78		2916	72		5	
C-28	3898	4029	40	140	50	0	3084	79		3137	78		2	
C-30	3898	4029	40	140	50	0	3132	80		2923	73		7	
C-36	3898	4029	40	140	50	0	2756	71		2609	65		5	
C9-C18 Aliphatics	23390	24176	40	140	50	0	17222	74		18166	75		5	
C19-C36 Aliphatics	31186	32235	40	140	50	0	24444	78		24289	75		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
Non-spiked sample: 67743-1
Spike: 67743-1,MS
Spike duplicate: 67743-1,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3898	4029	40	140	50	979	3339	61		3759	69		12	
2-Methylnaphthalene	3898	4029	40	140	50	1999	3881	48		4452	61		14	
Acenaphthylene	3898	4029	40	140	50	0	2485	64		2633	65		6	
Acenaphthene	3898	4029	40	140	50	0	2638	68		2755	68		4	
Fluorene	3898	4029	40	140	50	155	2767	67		2936	69		6	
Phenanthrene	3898	4029	40	140	50	0	2943	75		3017	75		2	
Anthracene	3898	4029	40	140	50	0	2885	74		2812	70		3	
Fluoranthene	3898	4029	40	140	50	0	3075	79		3050	76		1	
Pyrene	3898	4029	40	140	50	0	3009	77		3016	75		0	
Benzo[a]anthracene	3898	4029	40	140	50	0	3244	83		3063	76		6	
Chrysene	3898	4029	40	140	50	0	3012	77		2898	72		4	
Benzo[b] fluoranthene	3898	4029	40	140	50	0	3113	80		3036	75		2	
Benzo[k] fluoranthene	3898	4029	40	140	50	0	3319	85		2949	73		12	
Benzo[a] pyrene	3898	4029	40	140	50	0	3230	83		3057	76		5	
Indeno [1,2,3-cd] pyrene	3898	4029	40	140	50	0	3229	83		3847	95		17	
Dibenz [a,h] anthracene	3898	4029	40	140	50	0	3232	83		2954	73		9	
Benzo(g,h,i) perylene	3898	4029	40	140	50	0	3270	84		3384	84		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

Instrument D

analytics environmental laboratory LLC

Seq. ID: 080410-D

IS only#: EPH S9770 ~~S9770~~ AWL 8/4/10

EXP: 1/30/11

Tune File: ABN.u

Date: 8/4/10

Loading Check: AWL

Voltage: 1965

Analyst: AWL/NP

Unloading Check: NP

filament 2

Vial	Meth File	Sample	DF	Data File #	Comments
1	tunemix	S9836 tunemix	50ng	D71437T-45T	adjust mtune
1	tunemix	S9836 tunemix	50ng	46T	✓
2	ALG80410	S9700 Ali 5		47, 5I	✓
3		S9701 Ali 10		48	✓
4		S9702 Ali 20		49	✓
5		S9936 Ali 40		50	✓
6		S9704 Ali 50		51	✓
7		S9705 Ali 100		52	✓
8		S9715 Ali 20 ICV		53	✓
9	ARM80410	S9706 ARO 2		54, 5I	✓
10		S9707 ARO 5		55	✓
11		S9708 ARO 10		56	✓
12		S9937 ARO 20		57	✓
13		S9710 ARO 50		58	✓
14		S9711 ARO 100		59	✓
15		S9716 ARO 20 ICV		60	✓ ARO80510 ~~Std not used~~ OK
~~15~~		~~S9716 ARO 20 ICV~~		66	AW 8/6/10
1	tunemix	S9836 tunemix			NOT needed
5	ALG80410	S9936 Ali 40			
12	ARM80410	S9937 ARO 20			
16		Hexane w/IS			
15		S9716 ARO 20 ICV			
K		S9716 ARO 20 ICV			

AW 8/6/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

Instrument D

analytics environmental laboratory LLC

Seq. ID: 091310-D | EPH IS only#: S10081 | EXP: 3/13/11

Tune File: ABU.u | Date: 9/13/10 | Loading Check: AUR

Voltage: 1965 | Analyst: AUR | Unloading Check: [illegible]

W-D-091310-1-AUR

Vial	Meth File	Sample	DF	Data File #	Comments
100		$MeCl_2$		D71638	
1	tunemix	S9836 tunemix 50ng		39T	✓
2	ALG80410	S10042 Ali 40		40SC	✓
3	ARM80410	S10041 ARO 20		41SC	✓
4		Hexane w IS		42	✓
5		B091310EASE Ali		43B	✓
6		L091310EASE		44Q	✓
7		LD091310EASE		45Q	✓
8		B091310EASE ARO		46B	✓
9		L091310EASE		47Q	✓
10		LD091310EASE		48Q	✓
11		67743-1 Ali		49	✓
12		-1 ARO		50	✓
2		S10042 Ali 40		51SC	✓
3		S10041 ARO 20		52SC	✓
1	tunemix	S9836 tunemix 50ng		53T	✓
2	ALG80410	S10042 Ali 40		54SC	✓
3	ARM80410	S10041 ARO 20		55SC	✓
4		Hexane w IS		56	✓
5		B091310EASE, RR Ali		57B	✓
6		B091310EASE, RR ARO		58B	✓
13		67743-1, ms Ali		59SP	✓
14		-1, msD		60SP	✓
15		-1, ms ARO		61SP	✓
16		-1, msD		62SP	✓
17		67734-1 Ali		63	✓
18		-1 ARO		64	✓
19		-2 Ali		65	✓
20		-2 ARO		66	✓
21		-3 Ali		67	✓
22		-3 ARO		68	✓
23		-4 Ali		69	✓
24		-4 ARO		70	✓
2		S10042 Ali	40	71SC	✓
3		S10041 ARO	20	72SC	✓
2		S10042 Ali	40	73SC	✓
3		S10041 ARO	20	74SC	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:4- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uL sample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9700 ALI 5	D71447SI.D	8/5/10 2:18
S9701 ALI 10	D71448SI.D	8/5/10 2:48
S9702 ALI 20	D71449SI.D	8/5/10 3:19
S9936 ALI 40	D71450SI.D	8/5/10 3:49
S9704 ALI 50	D71451SI.D	8/5/10 4:20
S9705 ALI 100	D71452SI.D	8/5/10 4:50
S9715 ALI 20 ICV	D71453.D	8/5/10 5:21

Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

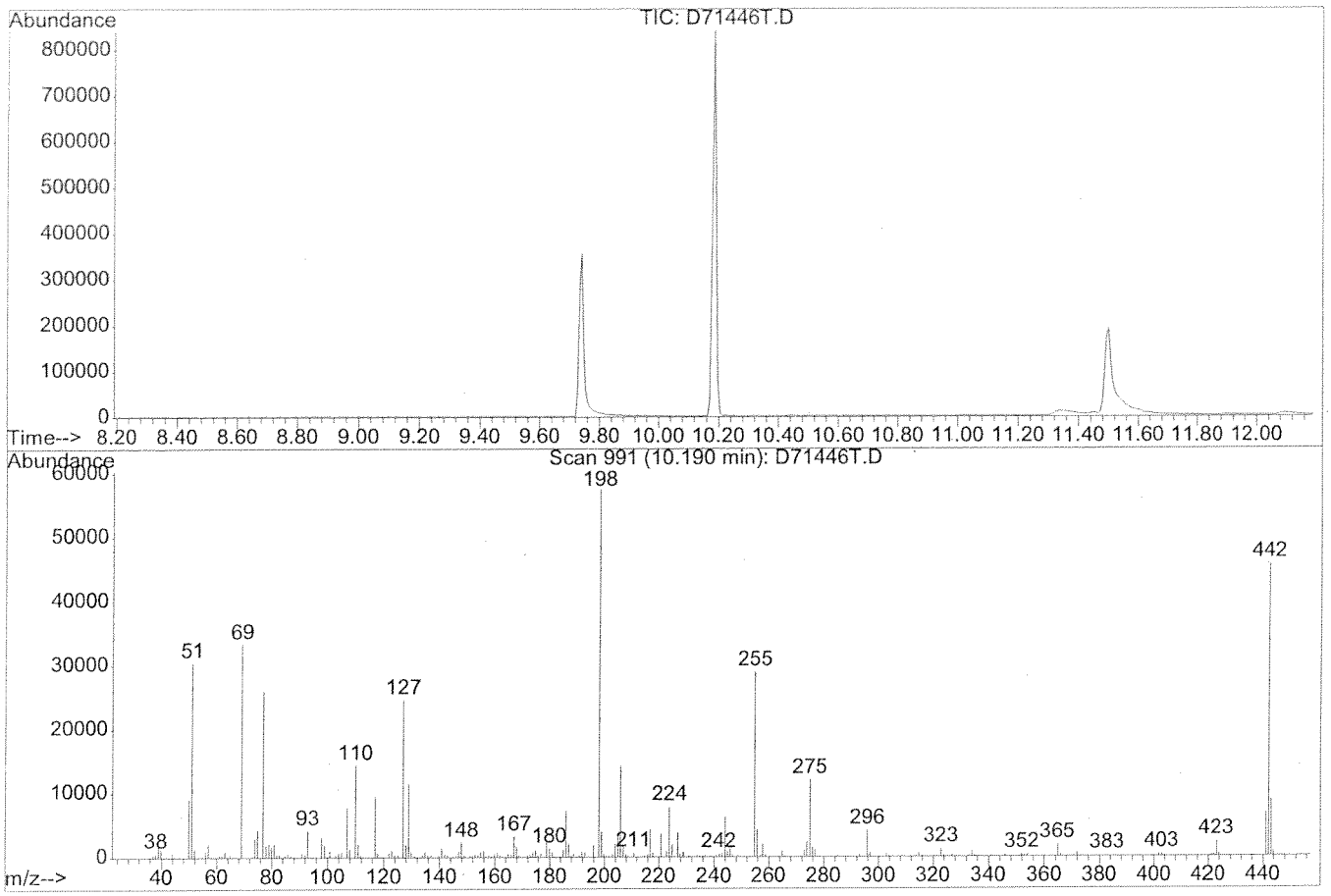
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9706 ARO 2	D71454SI.D	8/5/10 5:51
S9707 ARO 5	D71455SI.D	8/5/10 6:22
S9708 ARO 10	D71456SI.D	8/5/10 6:52
S9937 ARO 20	D71457SI.D	8/5/10 7:22
S9710 ARO 50	D71458SI.D	8/5/10 7:53
S9711 ARO 100	D71459SI.D	8/5/10 8:23
S9716 ARO 20 ICV	D71460.D	8/5/10 8:53

Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX



Spectrum Information: Scan 991

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.9	30392	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.0	33320	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.7	24560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	57496	PASS
199	198	5	9	6.9	3944	PASS
275	198	10	30	20.9	12023	PASS
365	198	1	100	3.2	1842	PASS
441	443	0.01	100	76.4	6759	PASS
442	198	40	100	79.4	45640	PASS
443	442	17	23	19.4	8852	PASS

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:04 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71446T.D**
Date Acquired **8/5/2010 1:47**

N108050

Name	Target Response
PENTACHLOROPHENOL	39778.00
BENZIDINE	151505.00
DDE	53.00
DDD	1884
DDT	149663

(0% - 20%)

%DDT BREAKDOWN = 1.28% **OK** ✓

8/5/10

8/5/10 2:16 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
3 Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010 N908057
Response via : Initial Calibration
DataAcq Meth : EPHJ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

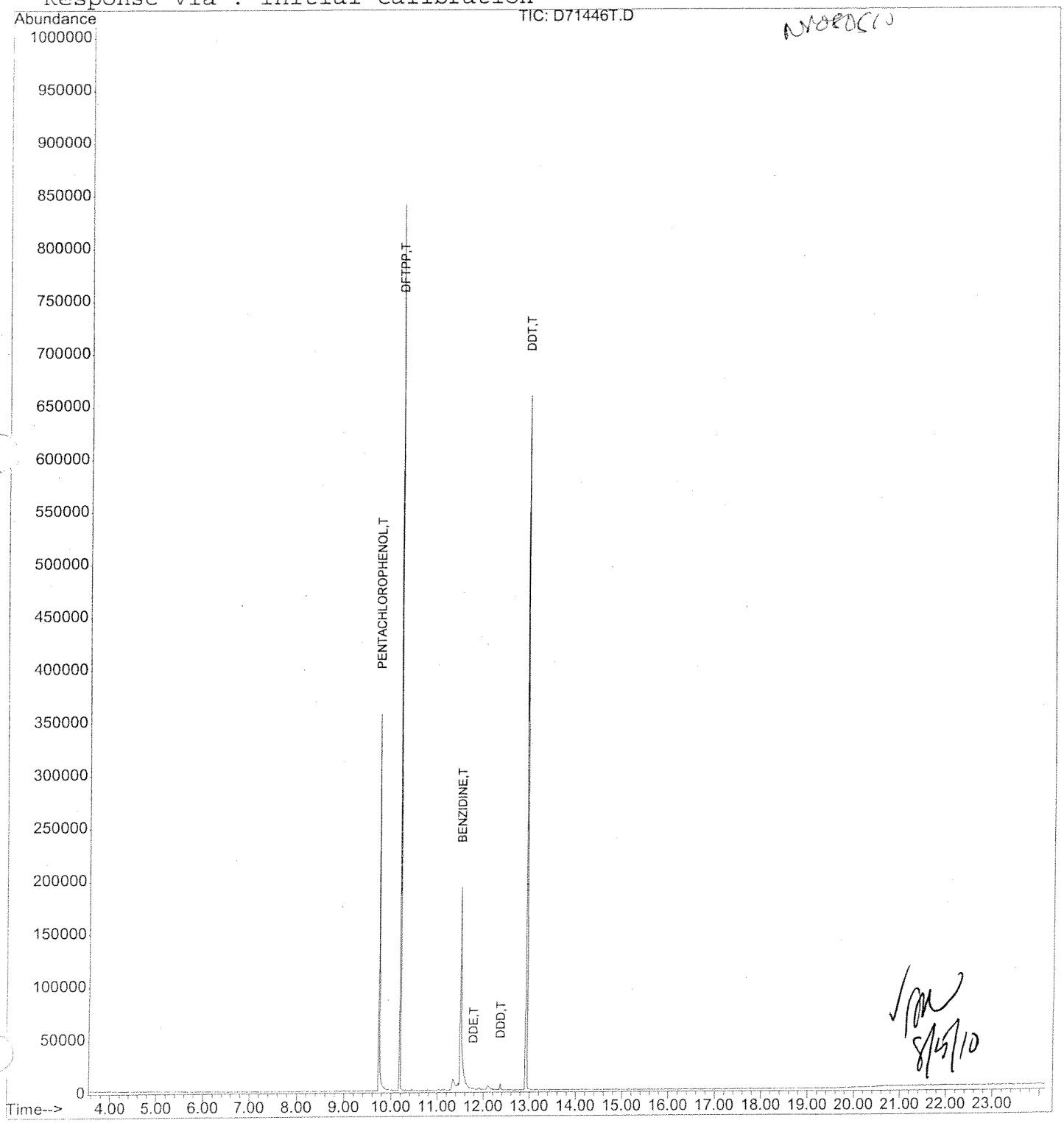
Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.74	266	39778	15.78 UG/L	95
2) DFTPP	10.18	198	75090	24.58 ug/ml#	60
3) BENZIDINE	11.50	184	151505	18.88 UG/L #	100
4) DDE	11.79	246	53	0.53 UG/L #	24
5) DDD	12.36	235	1884	18.84 UG/L #	19
6) DDT	12.93	235	149663	33.12 UG/L #	86

✓ 8/5/10

(#) = qualifier out of range (m) = manual integration
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010 Page 1

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: TUNMXEPH.RE

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration



NORDC10

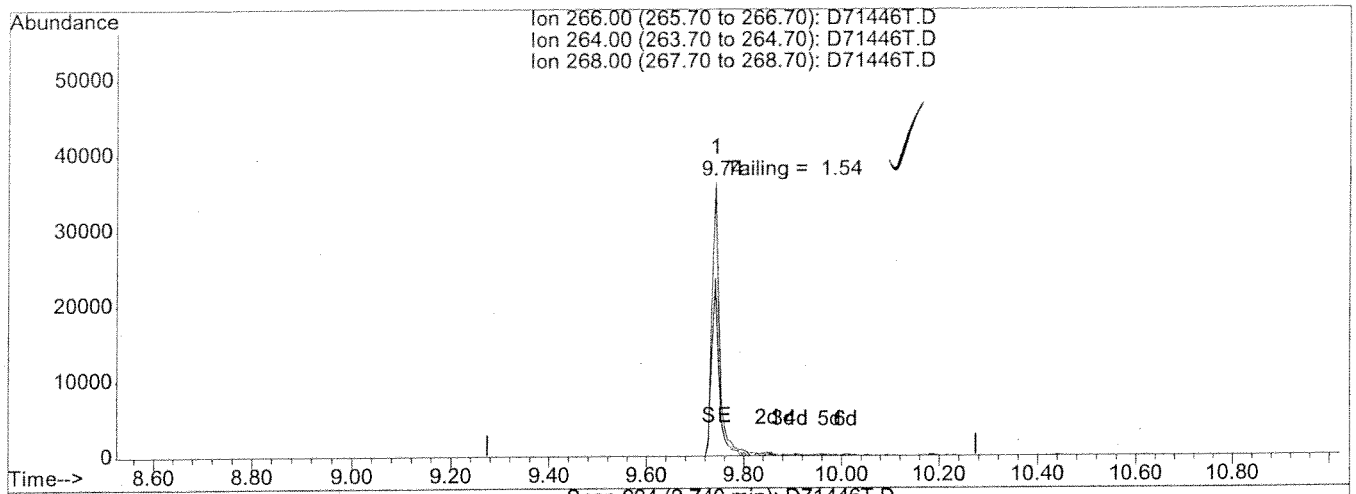
8/5/10

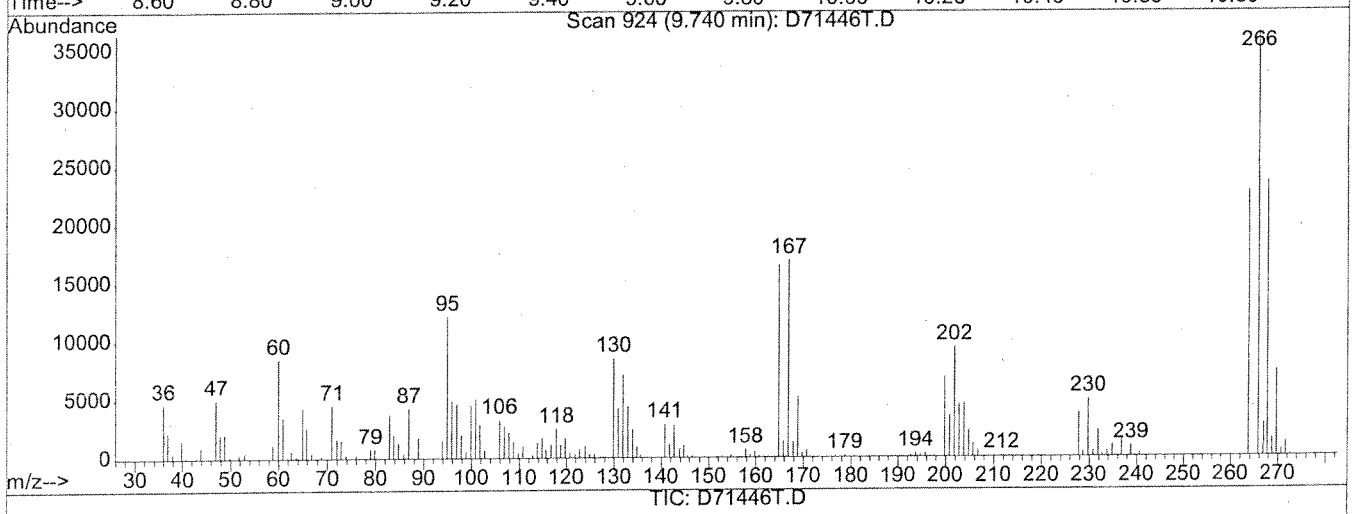
Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

N108050





(1) PENTACHLOROPHENOL (T)

9.74min 15.78UG/L

response 39778

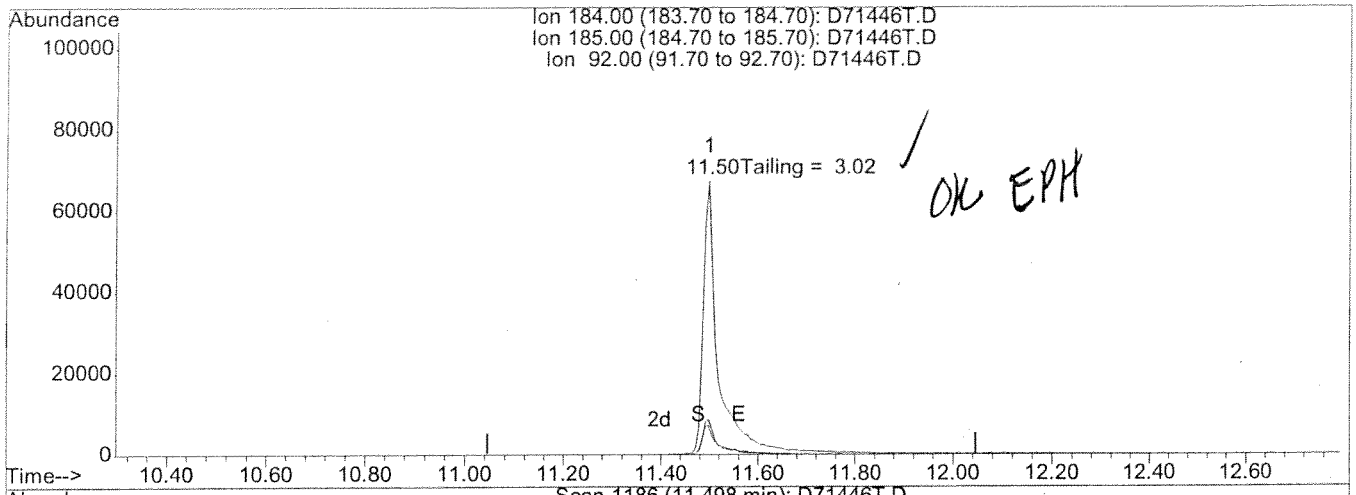
Ion	Exp%	Act%
266.00	100	100
264.00	59.50	61.59
268.00	58.20	63.08
0.00	0.00	0.00

8/5/10

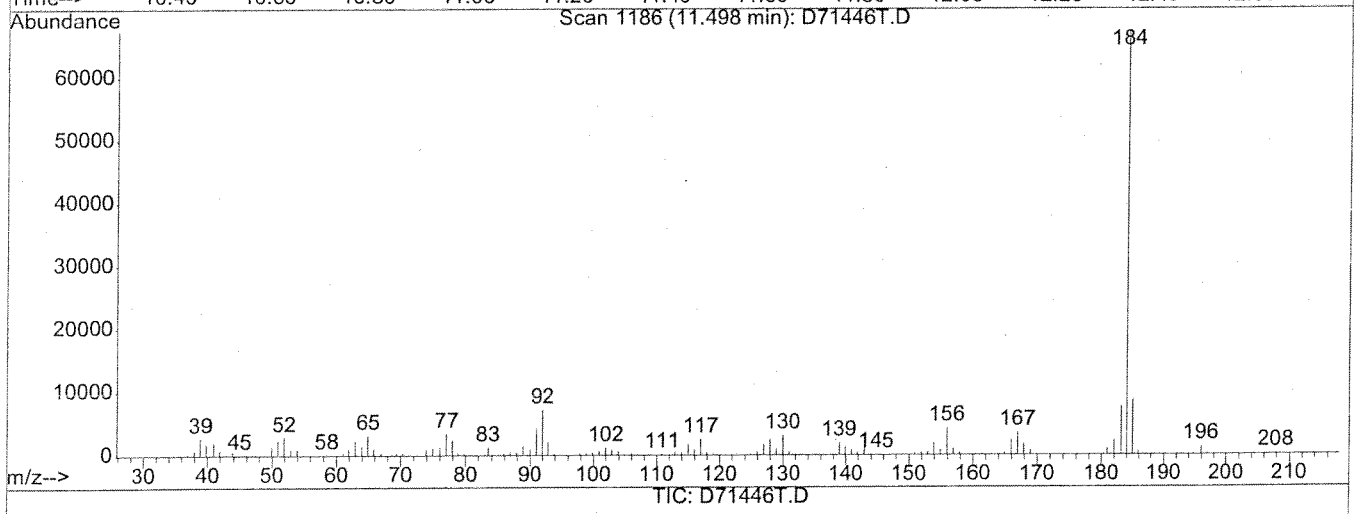
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:40 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010 NP 080910
Response via : Single Level Calibration



OK EPH



TIC: D71446T.D

(3) BENZIDINE (T)

11.50min 18.88UG/L

response 151505

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.18#
92.00	0.00	10.90#
0.00	0.00	0.00

OK 8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:19:09 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
DFTPP File ID: D71639T.D
DFTPP Injection Date: 09/13/10
DFTPP Injection Time: 21:06

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71640SC.D	9/13/10 21:36
HEXANE W/IS	D71642.D	9/13/10 22:45
B091310EASE	D71643B.D	9/13/10 23:15
L091310EASE	D71644Q.D	9/13/10 23:45
LD091310EASE	D71645Q.D	9/14/10 0:15
67743-1	D71649.D	9/14/10 2:15
S10042 ALI 40	D71651SC.D	9/14/10 3:15

Refer to the DFTPP report D71639T.D for ion ratio evaluation.

EPH FORM 5

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
DFTPP File ID: D71639T.D
DFTPP Injection Date: 09/13/10
DFTPP Injection Time: 21:06

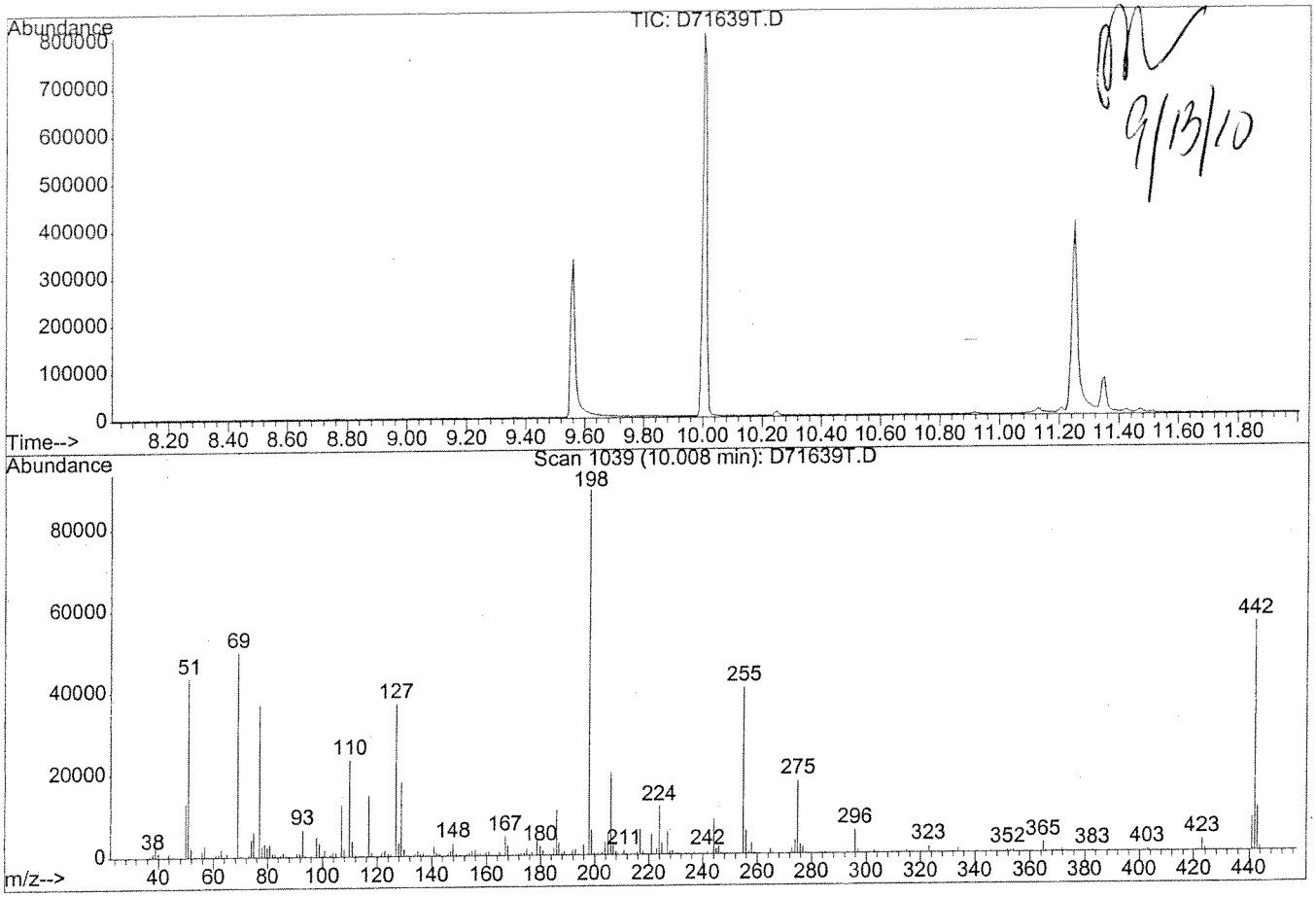
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10041 ARO 20	D71641SC.D	9/13/10 22:06
HEXANE W/IS	D71642.D	9/13/10 22:45
B091310EASE	D71646B.D	9/14/10 0:45
L091310EASE	D71647Q.D	9/14/10 1:15
LD091310EASE	D71648Q.D	9/14/10 1:45
67743-1	D71650.D	9/14/10 2:45
S10041 ARO 20	D71652SC.D	9/14/10 3:45

Refer to the DFTPP report D71639T.D for ion ratio evaluation.

EPH FORM 5

Data File : D:\HPCHEM\1\DATA\091310-D\D71639T.D
Acq On : 13 Sep 2010 9:06 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00



9/13/10

Spectrum Information: Scan 1039

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	48.8	43416	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	56.0	49856	PASS
70	69	0.00	2	0.6	282	PASS
127	198	40	60	41.6	37008	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	89048	PASS
199	198	5	9	6.7	5943	PASS
275	198	10	30	19.8	17672	PASS
365	198	1	100	2.6	2330	PASS
441	443	0.01	100	77.0	8246	PASS
442	198	40	100	62.8	55920	PASS
443	442	17	23	19.2	10712	PASS

-91410

D71639T.D TUNMXEPH.M Mon Sep 13 22:32:47 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71639T.D**
Date Acquired **9/13/2010 9:06**

9/13/10

Name	Target Response
PENTACHLOROPHENOL	38123.00
BENZIDINE	217294.00
DDE	386.00
DDD	2070
DDT	154339

(0% - 20%)

%DDT BREAKDOWN = 1.57% **OK**

9/14/10

Data File : D:\HPCHEM\1\DATA\091310-D\D71639T.D Vial: 1
Acq On : 13 Sep 2010 9:06 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 22:32 2010 Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/13/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.56	266	38123	15.13	UG/L	99
2) DFTPP	10.01	198	86977	28.47	ug/ml	96
3) BENZIDINE	11.25	184	217294	27.08	UG/L #	100
4) DDE	11.52	246	386	3.86	UG/L #	100
5) DDD	12.07	235	2070	20.70	UG/L	98
6) DDT	12.62	235	154339	34.16	UG/L	99

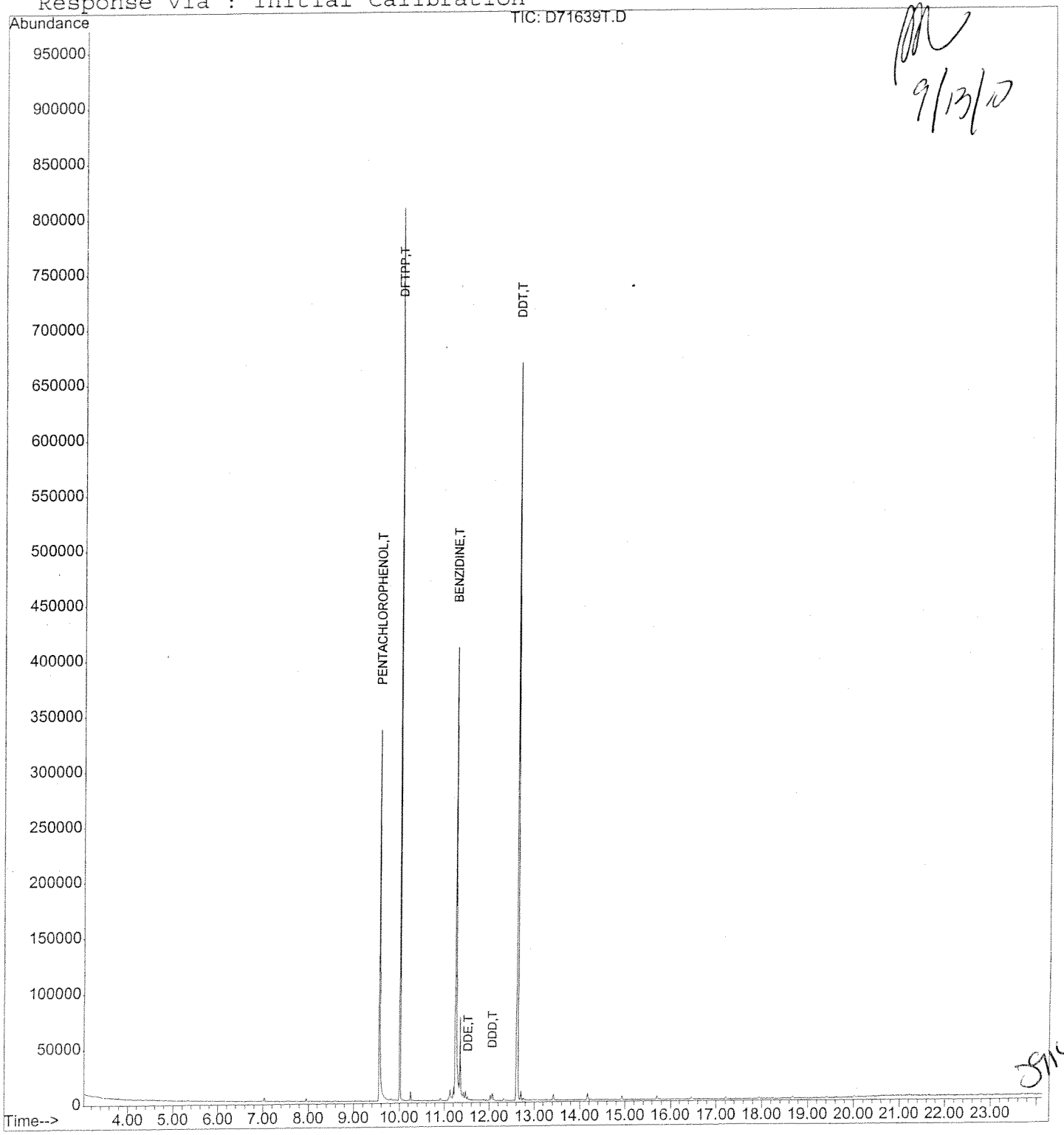
391410

(#) = qualifier out of range (m) = manual integration
D71639T.D TUNMXEPH.M Mon Sep 13 22:33:11 2010 Page 1

Data File : D:\HPCHEM\1\DATA\091310-D\D71639T.D
Acq On : 13 Sep 2010 9:06 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 13 22:32 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RE

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration



9/13/10

391410

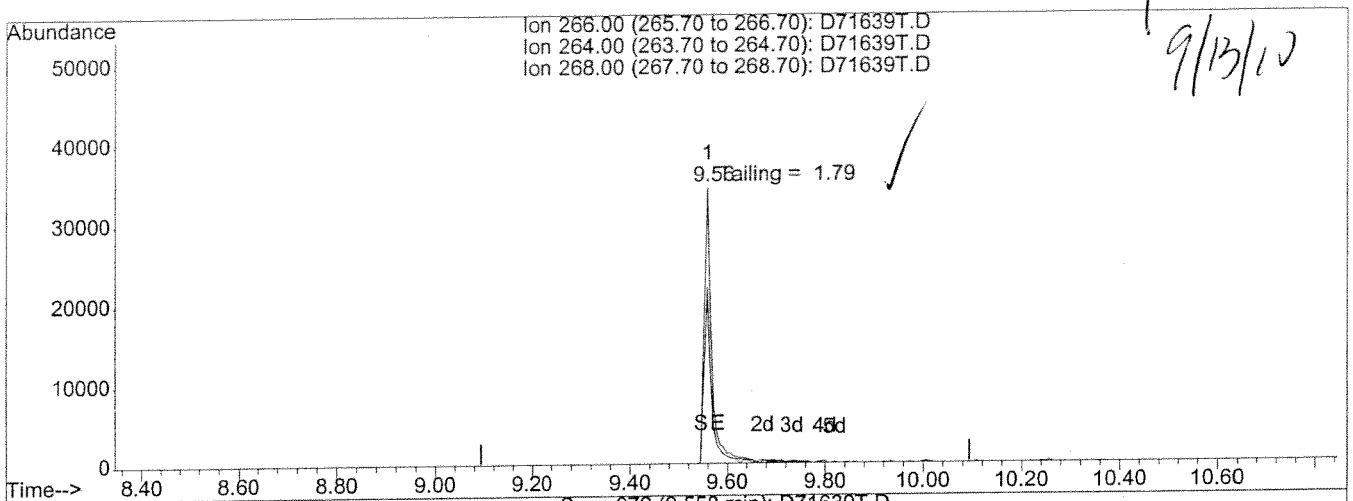
D71639T.D TUNMXEPH.M Mon Sep 13 22:33:11 2010 Page 2

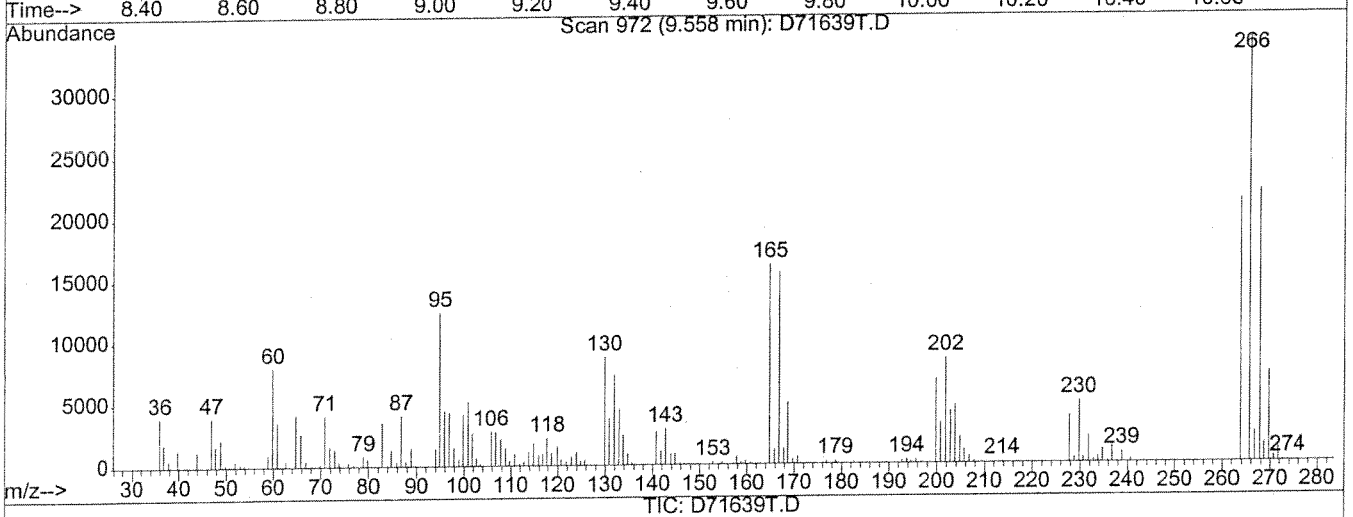
Data File : D:\HPCHEM\1\DATA\091310-D\D71639T.D
Acq On : 13 Sep 2010 9:06 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 13 22:32 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/13/10





(1) PENTACHLOROPHENOL (T)

9.56min 15.13UG/L

response 38123

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	62.14
268.00	62.40	62.24
0.00	0.00	0.00

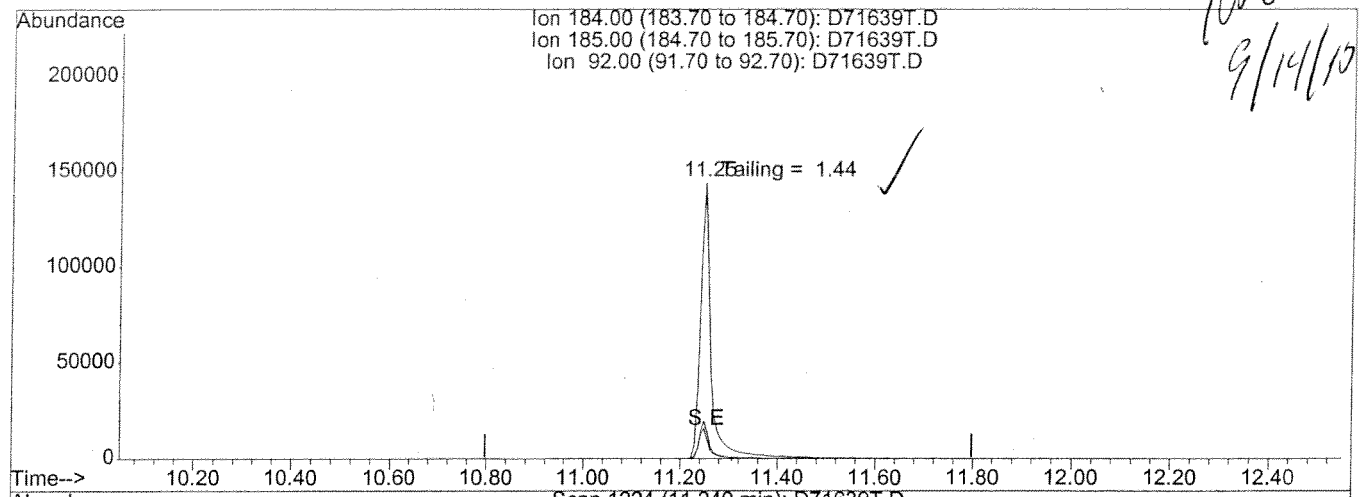
J11410

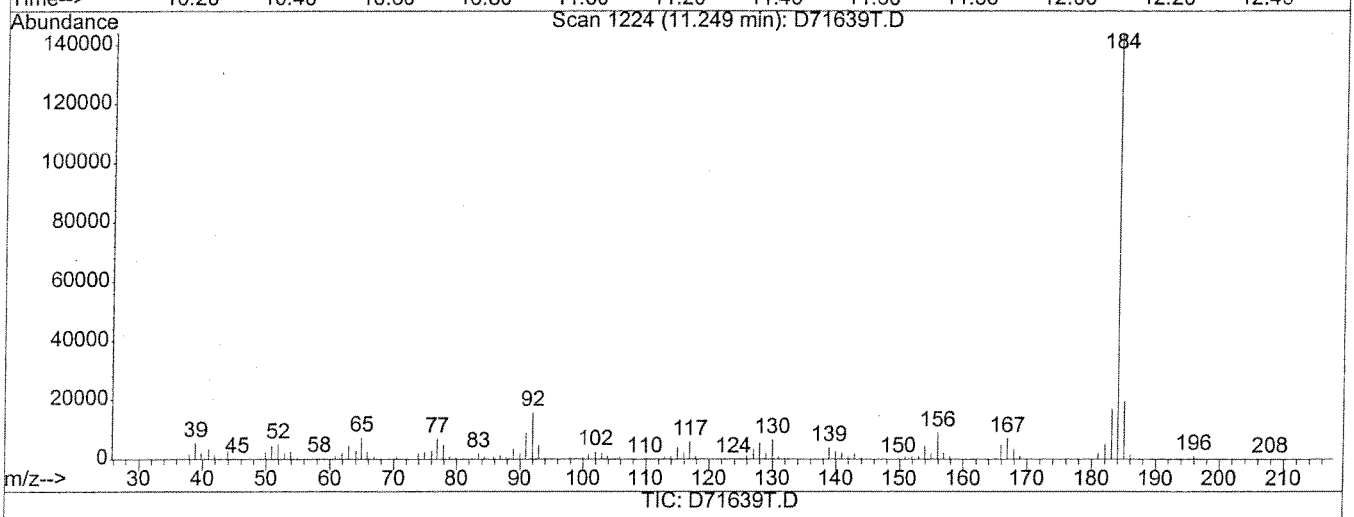
D71639T.D TUNMXEPH.M Mon Sep 13 22:33:20 2010

Data File : D:\HPCHEM\1\DATA\091310-D\D71639T.D Vial: 1
Acq On : 13 Sep 2010 9:06 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 22:32 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/14/10





(3) BENZIDINE (T)

11.25min 27.08UG/L

response 217294

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.41#
92.00	0.00	11.32#
0.00	0.00	0.00

D91410

D71639T.D TUNMXEPH.M Mon Sep 13 22:33:27 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
DFTPP File ID: D71653T.D
DFTPP Injection Date: 09/14/10
DFTPP Injection Time: 4:15

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71654SC.D	9/14/10 4:45
HEXANE W/IS	D71656.D	9/14/10 6:06
B091310EASE,,RR	D71657B.D	9/14/10 6:36
67743-1,MS	D71659SP.D	9/14/10 7:35
67743-1,MSD	D71660SP.D	9/14/10 8:05
S10042 ALI 40	D71671SC.D	9/14/10 13:34
S10042 ALI 40	D71673SC.D	9/14/10 14:34

Refer to the DFTPP report D71653T.D for ion ratio evaluation.

EPH FORM 5

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
DFTPP File ID: D71653T.D
DFTPP Injection Date: 09/14/10
DFTPP Injection Time: 4:15

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10041 ARO 20	D71655SC.D	9/14/10 5:15
HEXANE W/IS	D71656.D	9/14/10 6:06
B091310EASE,,RR	D71658B.D	9/14/10 7:05
67743-1,MS	D71661SP.D	9/14/10 8:35
67743-1,MSD	D71662SP.D	9/14/10 9:05
S10041 ARO 20	D71672SC.D	9/14/10 14:04
S10041 ARO 20	D71674SC.D	9/14/10 15:04

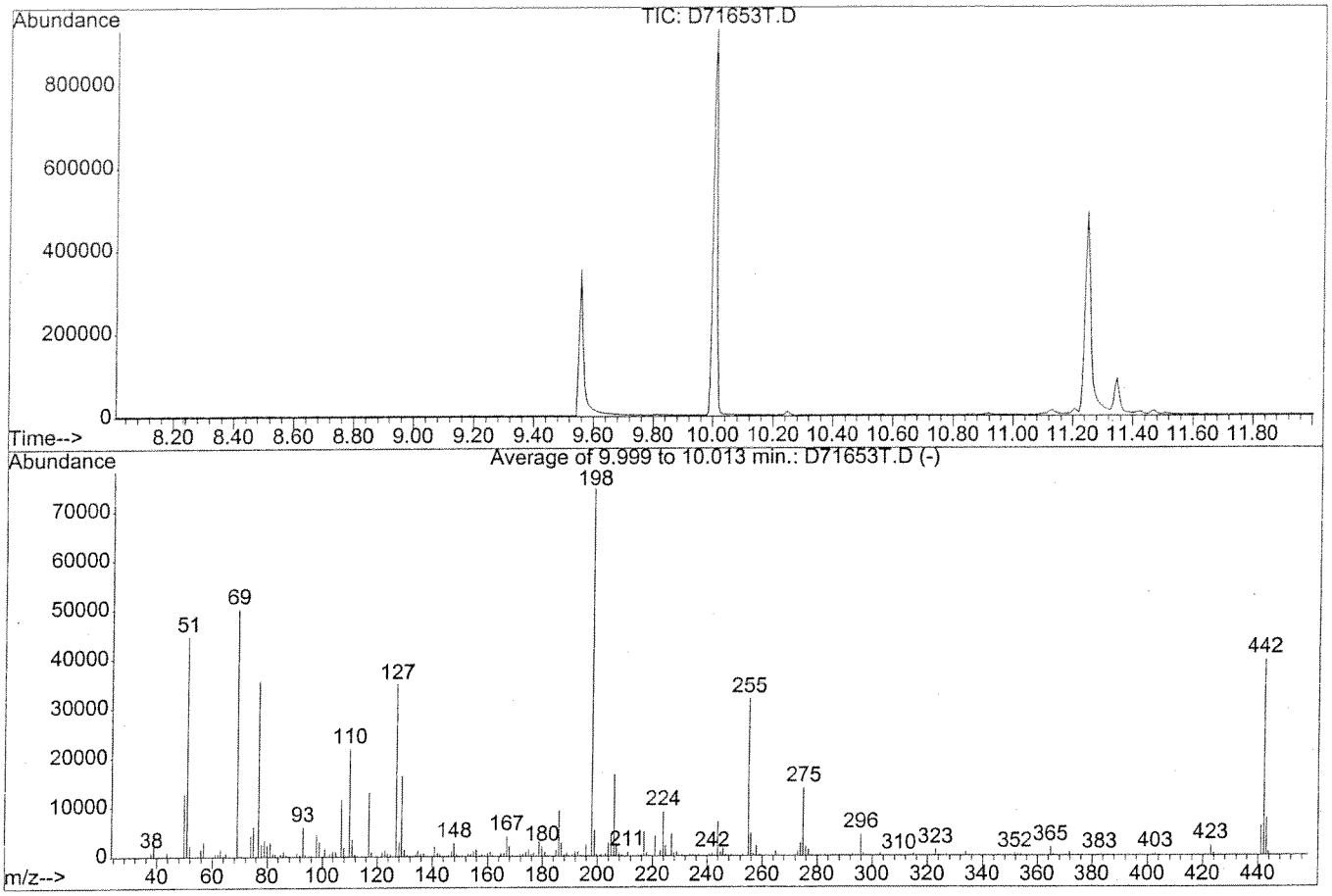
Refer to the DFTPP report D71653T.D for ion ratio evaluation.

EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\091310-D\D71653T.D Vial: 1
Acq On : 14 Sep 2010 4:15 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

091410



AutoFind: Scans 1037, 1038, 1039; Background Corrected with Scan 1032

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	59.7	44529	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	67.2	50143	PASS
70	69	0.00	2	0.4	185	PASS
127	198	40	60	46.6	34736	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	74576	PASS
199	198	5	9	7.0	5192	PASS
275	198	10	30	18.3	13646	PASS
365	198	1	100	2.3	1707	PASS
441	443	0.01	100	79.9	6006	PASS
442	198	40	100	53.0	39549	PASS
443	442	17	23	19.0	7515	PASS

D71653T.D TUNMXEPH.M Tue Sep 14 09:01:47 2010

9/15/10

SEMI-VOLATILE
TUNE MIX CHECK

9.14.10

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71653T.D**
Date Acquired **9/14/2010 4:15**

Name	Target Response
PENTACHLOROPHENOL	38897.00
BENZIDINE	257600.00
DDE	267.00
DDD	2460
DDT	170147

(0% - 20%)

%DDT BREAKDOWN = 1.58% **OK** ✓

9/15/10

9/14/10 9:01 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\091310-D\D71653T.D
Acq On : 14 Sep 2010 4:15 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 14 9:00 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/14/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.56	266	38897	15.43	UG/L	97
2) DFTPP	10.01	198	98047	32.09	ug/ml	97
3) BENZIDINE	11.25	184	257600	32.10	UG/L #	100
4) DDE	11.52	246	267	2.67	UG/L #	100
5) DDD	12.07	235	2460	24.60	UG/L	91
6) DDT	12.62	235	170147	37.66	UG/L	99

✓ 9/15/10

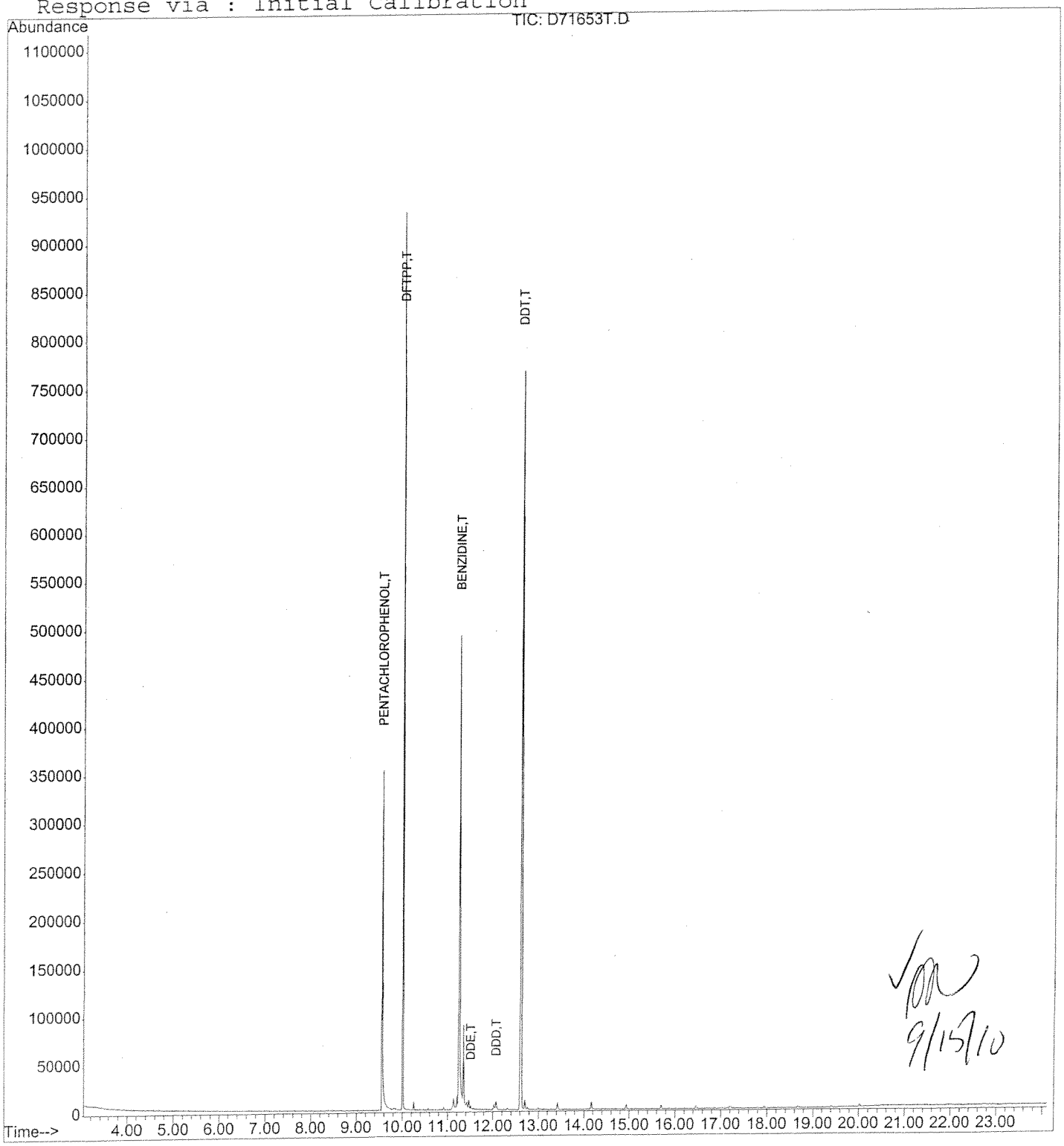
(#) = qualifier out of range (m) = manual integration
D71653T.D TUNMXEPH.M Tue Sep 14 09:28:47 2010 Page 1

Data File : D:\HPCHEM\1\DATA\091310-D\D71653T.D
Acq On : 14 Sep 2010 4:15 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 14 9:00 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration

9-14-10



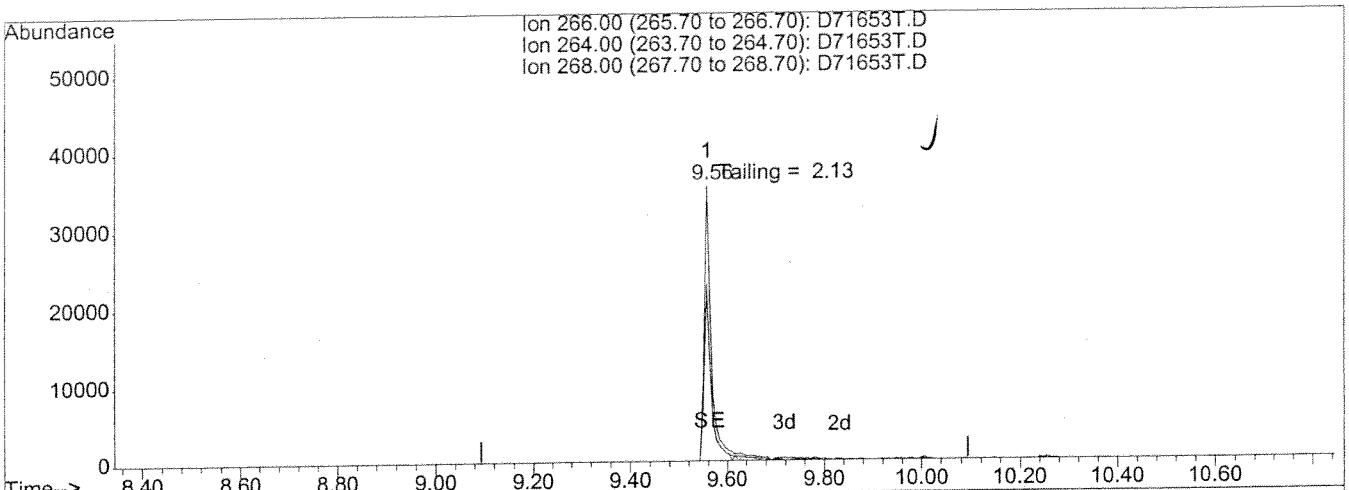
9/15/10

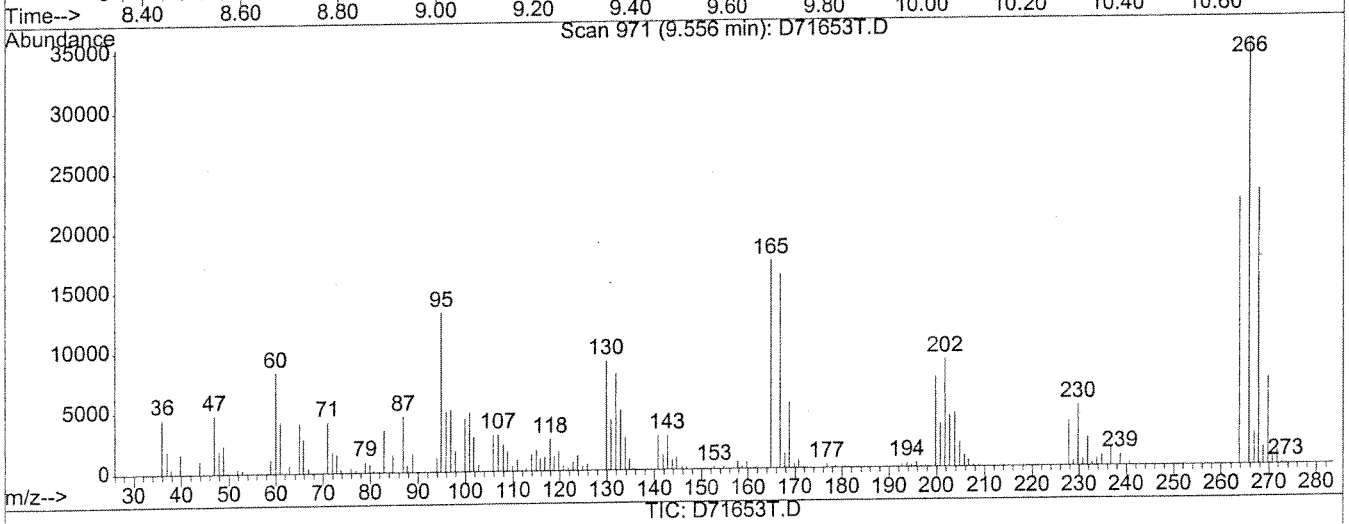
Data File : D:\HPCHEM\1\DATA\091310-D\D71653T.D
Acq On : 14 Sep 2010 4:15 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 14 9:00 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

SG 9/14/10





(1) PENTACHLOROPHENOL (T)

9.56min 15.43UG/L

response 38897

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	61.99
268.00	62.40	60.23
0.00	0.00	0.00

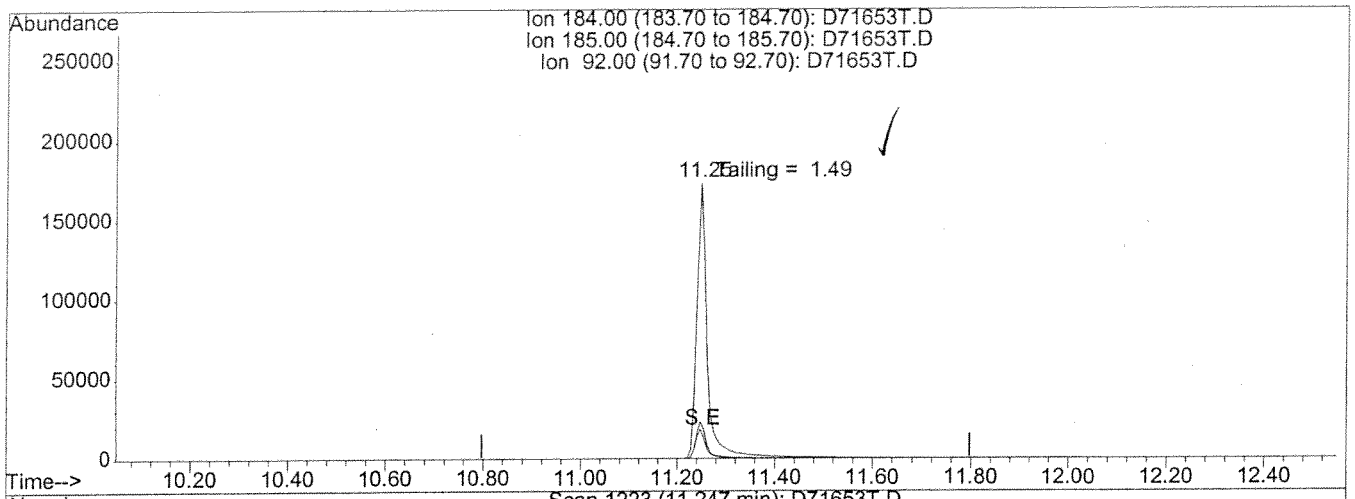
JON
9/15/10

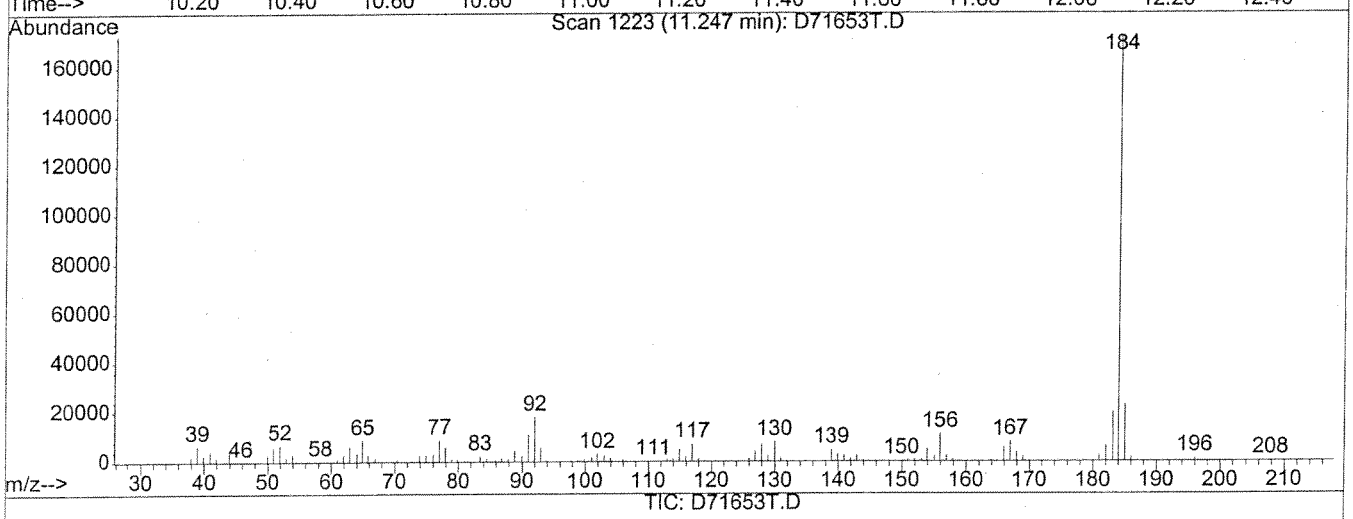
D71653T.D TUNMXEPH.M Tue Sep 14 09:00:32 2010

Data File : D:\HPCHEM\1\DATA\091310-D\D71653T.D Vial: 1
Acq On : 14 Sep 2010 4:15 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 9:00 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/14/10





TIC: D71653T.D

(3) BENZIDINE (T)

11.25min 32.10UG/L

response 257600

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.31#
92.00	0.00	10.94#
0.00	0.00	0.00

9/15/10

D71653T.D TUNMXEPH.M Tue Sep 14 09:00:41 2010

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010

MA80560

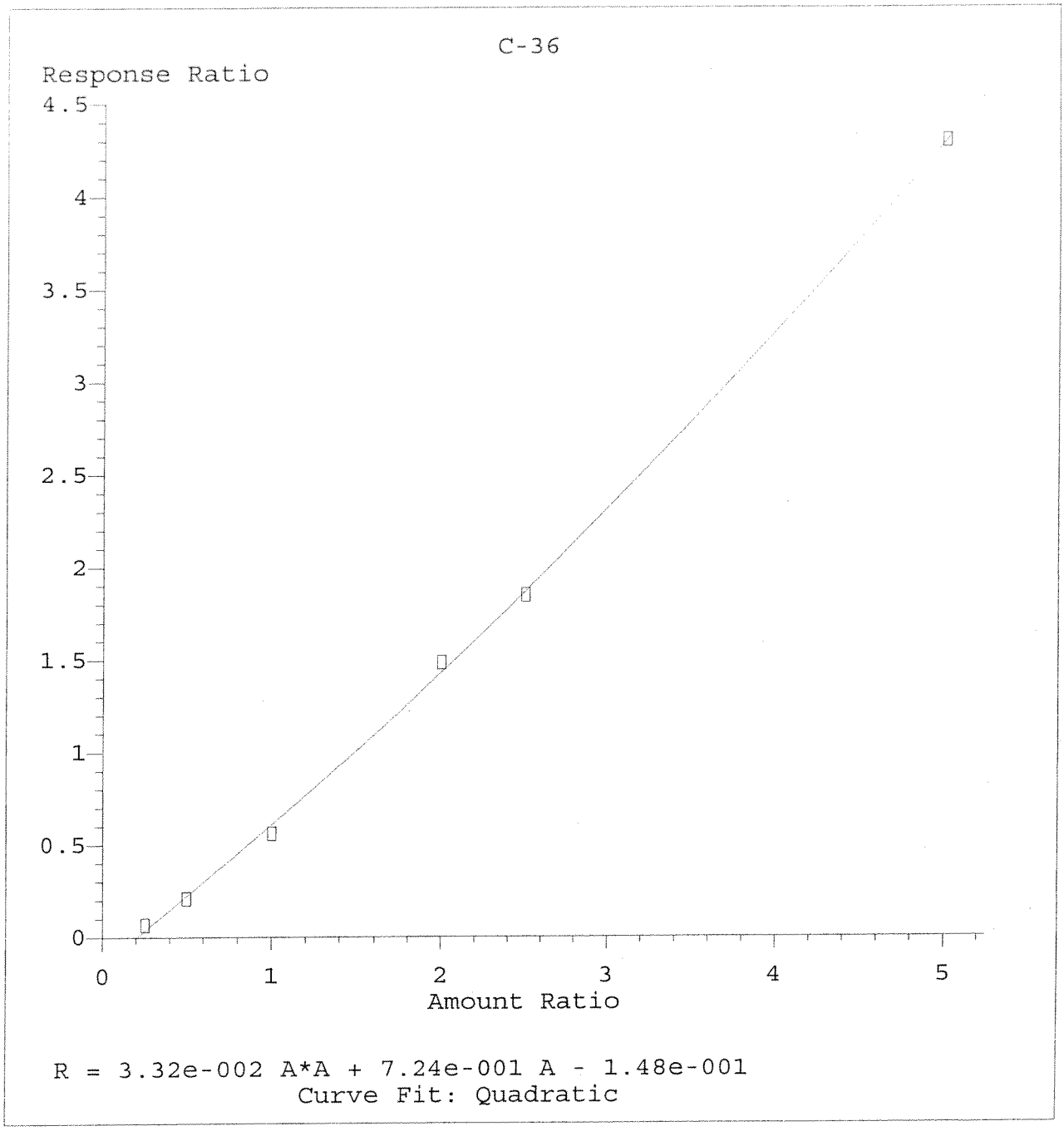
Calibration Files
5 =D71447SI.D 10 =D71448SI.D 20 =D71449SI.D
40 =D71450SI.D 50 =D71451SI.D 100 =D71452SI.D

	Compound	5	10	20	40	50	100	Avg		%RS
1)	I 5-alpha-Androstane	----------ISTD----------								
2)	TZM C-9	1.183	1.207	1.210	1.297	1.278	1.277	1.242	0	3.8
3)	TZM C-10	1.208	1.243	1.232	1.328	1.325	1.283	1.270	0	3.9
4)	TZM C-12	1.226	1.320	1.372	1.449	1.422	1.394	1.364	0	5.9
5)	TZM C-14	1.287	1.336	1.376	1.498	1.486	1.410	1.399	0	5.9
6)	TZM C-16	1.221	1.308	1.370	1.410	1.411	1.381	1.350	0	5.4
7)	TZM C-18	1.202	1.290	1.351	1.451	1.435	1.329	1.343	0	6.8
8)	XH C9-C18 ✓	1.221	1.284	1.319	1.405	1.393	1.346	1.328	0	5.2
9)	TZM C-19	1.201	1.280	1.351	1.418	1.425	1.296	1.329	0	6.5
10)	TZM C-20	1.160	1.240	1.286	1.445	1.394	1.287	1.302	0	7.9
11)	S 1-Chlorooctadecane	1.087	1.167	1.211	1.310	1.301	1.288	1.227	0	7.2
12)	TZM C-22	1.146	1.251	1.294	1.401	1.365	1.282	1.290	0	6.9
13)	TZM C-24	0.999	1.219	1.235	1.377	1.347	1.251	1.238	0	10.7
14)	TZM C-26	0.897	1.133	1.184	1.311	1.208	1.147	1.147	0	12.0
15)	TZM C-28	0.701	0.966	1.045	1.149	1.115	1.062	1.006	0	16.1
16)	TZM C-30	0.584	0.821	0.931	1.078	1.043	0.979	0.906	0	20.0
[illegible]	TZM C-36	0.268	0.418	0.560	0.742	0.740	0.860	0.598	0	37.5
[illegible]	XH C19-C36 ✓	0.869	1.041	1.111	1.240	1.205	1.145	1.102	0	12.1

✓ PM 8/5/10

(#) = Out of Range

NTO 80510



Method Name: D:\HPCHEM\1\METHODS\ALG80410.M
Calibration Table Last Updated: Thu Aug 05 08:16:42 2010

JDN 8/5/10

GC ALIPHATIC
2ND SOURCE CHECK

Data File Name D71453.D
Sample Name S9715 ALI 20 ICV
Date Acquired 8/5/2010 5:21

Np 8040

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
C-9	20.65	20	103%	OK	20.65		
C-10	21.26	20	106%	OK	21.26		
C-12	22.50	20	113%	OK	22.50		
C-14	21.19	20	106%	OK	21.19		
C-16	21.45	20	107%	OK	21.45		
C-18	20.57	20	103%	OK	20.57		
C9-C18		120			**127.62**	106%	OK
C-19	20.54	20	103%	OK	20.54		
C-20	21.18	20	106%	OK	21.18		
C-22	21.05	20	105%	OK	21.05		
C-24	20.76	20	104%	OK	20.76		
C-26	20.40	20	102%	OK	20.40		
C-28	21.22	20	106%	OK	21.22		
C-30	20.68	20	103%	OK	20.68		
C-36	18.98	20	95%	OK	18.98		
C19-C36		160			**164.81**	103%	OK
1-Chlorooctadecane	19.20	20	96%	OK			

JM 8/5/10

8/5/10 8:18 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ALGICVSUMPRCT.CRT

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Initial Calibration

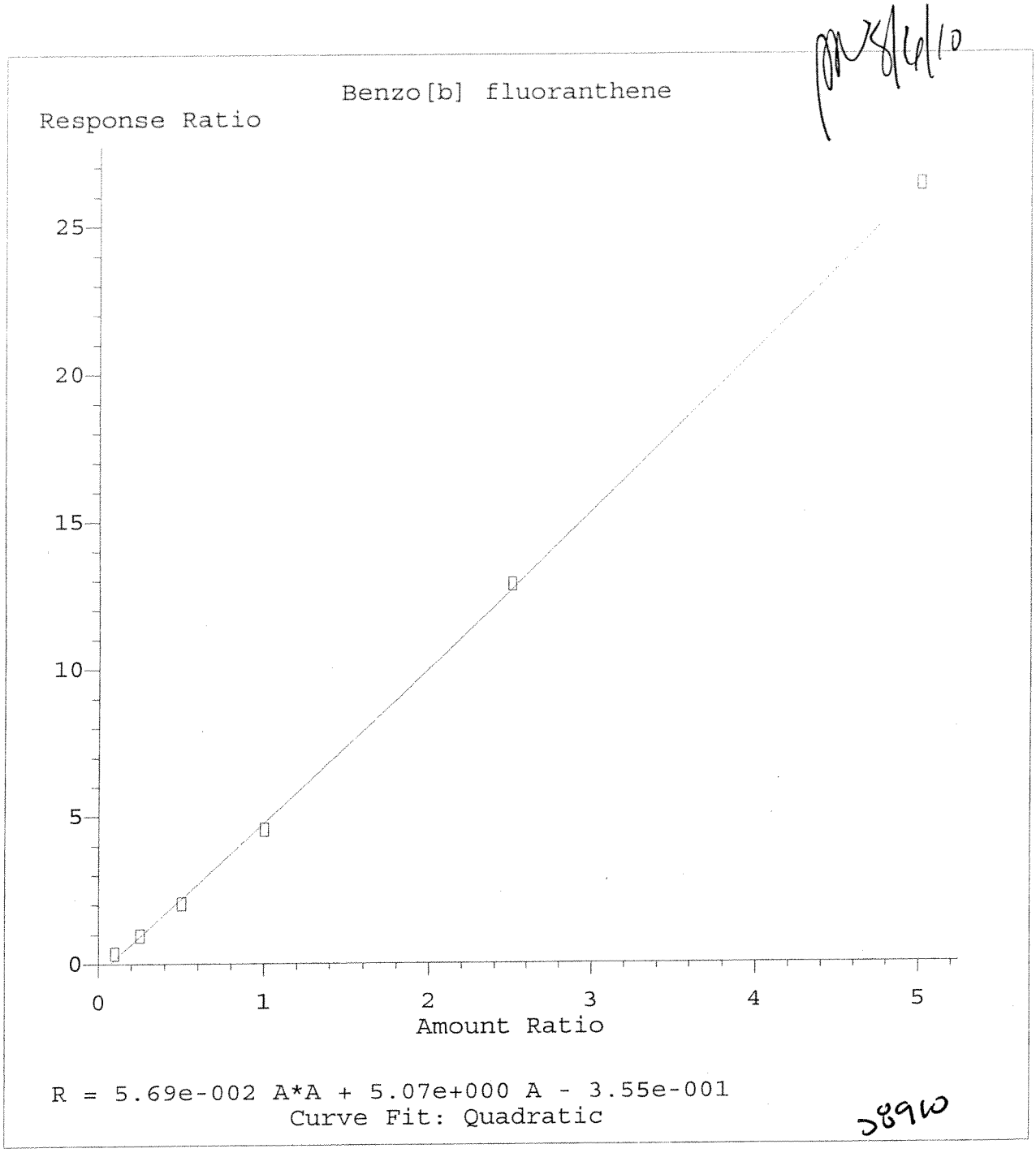
PN 8/6/10

Calibration Files
2 =D71454SI.D 5 =D71455SI.D 10 =D71456SI.D
20 =D71457SI.D 50 =D71458SI.D 100 =D71459SI.D

		Compound	2	5	10	20	50	100	Avg	%RSD
1)	I	5-alpha-Androstane	----------ISTD----------							
2)	TM	Naphthalene	7.529	8.067	8.021	8.065	8.411	8.319	8.069	3.81
3)	TM	2-Methylnaphthalene	4.272	4.227	4.490	4.367	4.567	4.461	4.397	3.00
4)	TM	Acenaphthylene	7.175	7.196	7.568	7.725	7.847	8.054	7.594	4.67
5)	TM	Acenaphthene	3.988	4.266	4.200	4.253	4.341	4.381	4.238	3.27
6)	TM	Fluorene	4.766	4.754	4.726	5.019	5.094	5.183	4.924	4.04
7)	TM	Phenanthrene	5.790	6.350	6.654	6.612	7.164	7.247	6.636	8.12
8)	TM	Anthracene	6.252	6.723	6.969	6.962	7.342	7.181	6.905	5.55
9)	S	2-Fluorobiphenyl	4.962	5.070	5.126	5.346	5.555	5.684	5.290	5.43
10)	S	2-Bromonaphthalene	1.949	2.082	2.148	2.219	2.314	2.438	2.192	7.88
11)	S	o-terphenyl	2.922	2.941	3.027	3.071	3.178	3.450	3.098	6.32
12)	TM	Fluoranthene	6.548	6.616	6.619	6.843	7.312	7.503	6.907	5.86
13)	TM	Pyrene	6.654	6.794	6.950	7.180	7.455	7.533	7.094	5.02
14)	TM	Benzo[a]anthracene	4.500	4.828	5.075	5.629	6.236	6.423	5.449	14.28
15)	TM	Chrysene	5.455	5.333	5.504	5.870	6.131	6.226	5.753	6.53
16)	TM	Benzo[b] fluoranthe	3.542	3.820	4.066	4.549	5.141	5.276	4.399	16.15
17)	TM	Benzo[k] fluoranthe	4.512	4.443	4.728	5.002	5.179	5.489	4.892	8.30
18)	TM	Benzo[a] pyrene	3.547	3.725	4.157	4.501	4.785	5.149	4.311	14.35
19)	TM	Indeno [1,2,3-cd] p	2.140	2.497	3.013	3.516	3.793	3.712	3.112	21.89
20)	TM	Dibenz [a,h] anthra	2.720	3.042	3.475	3.725	3.843	3.976	3.463	14.18
21)	TM	Benzo(g,h,i) peryl	3.427	3.604	3.780	4.136	3.851	3.459	3.709	7.24
22)		c11-c22							0.000#	-1.00

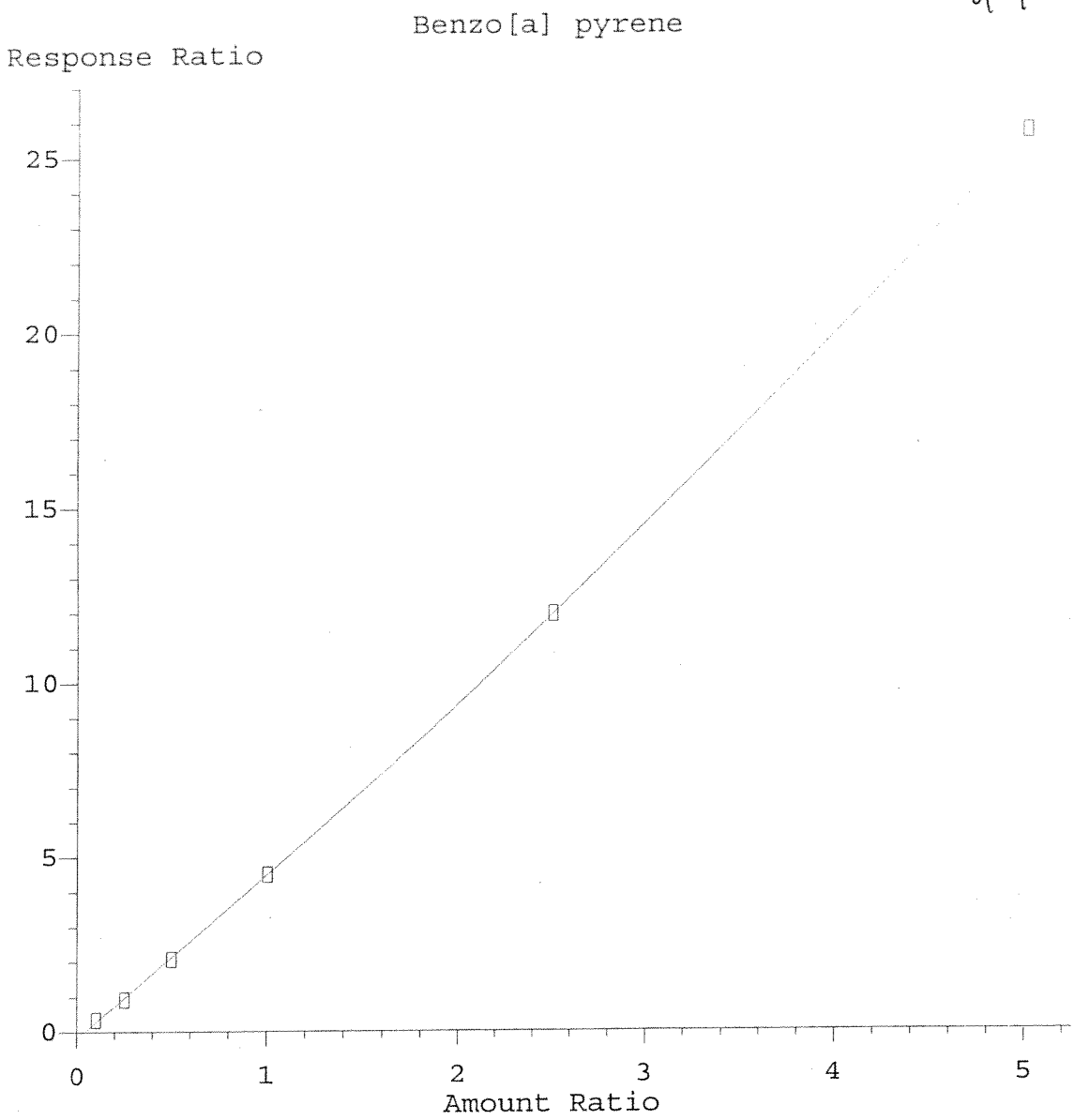
08910

(#) = Out of Range



Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10

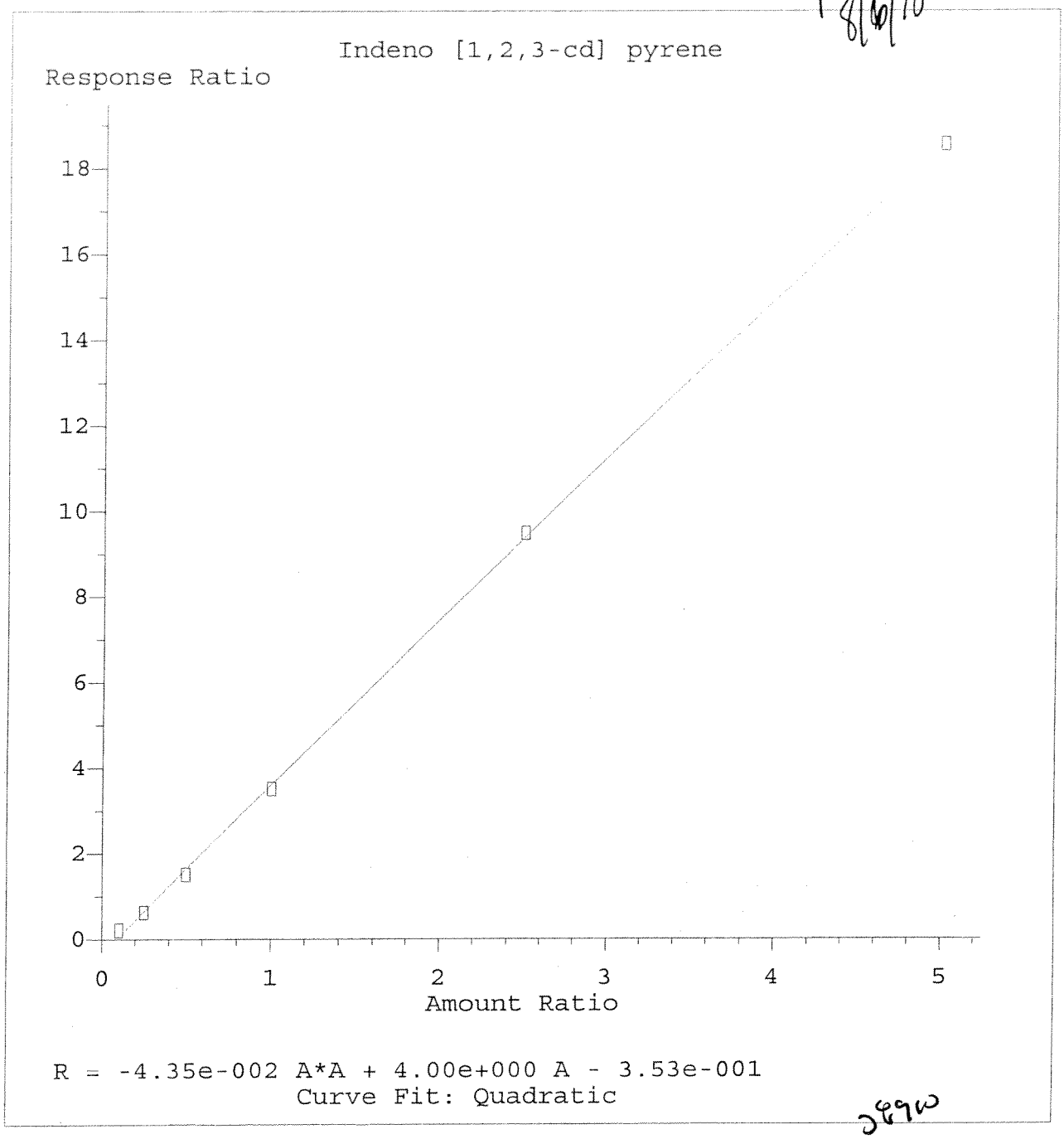


R = 1.34e-001 A*A + 4.51e+000 A - 1.63e-001
Curve Fit: Quadratic

38910

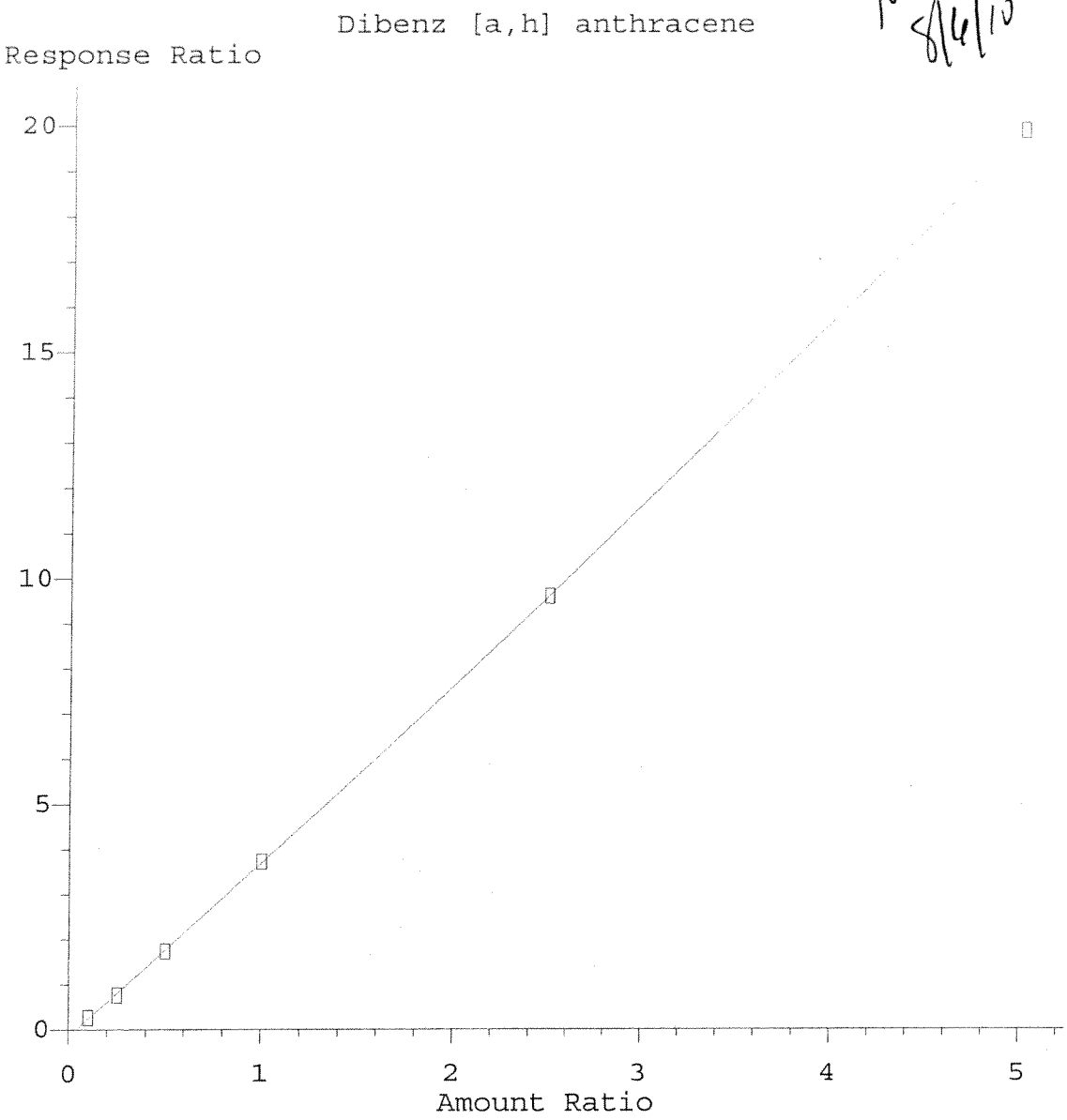
Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10



Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10

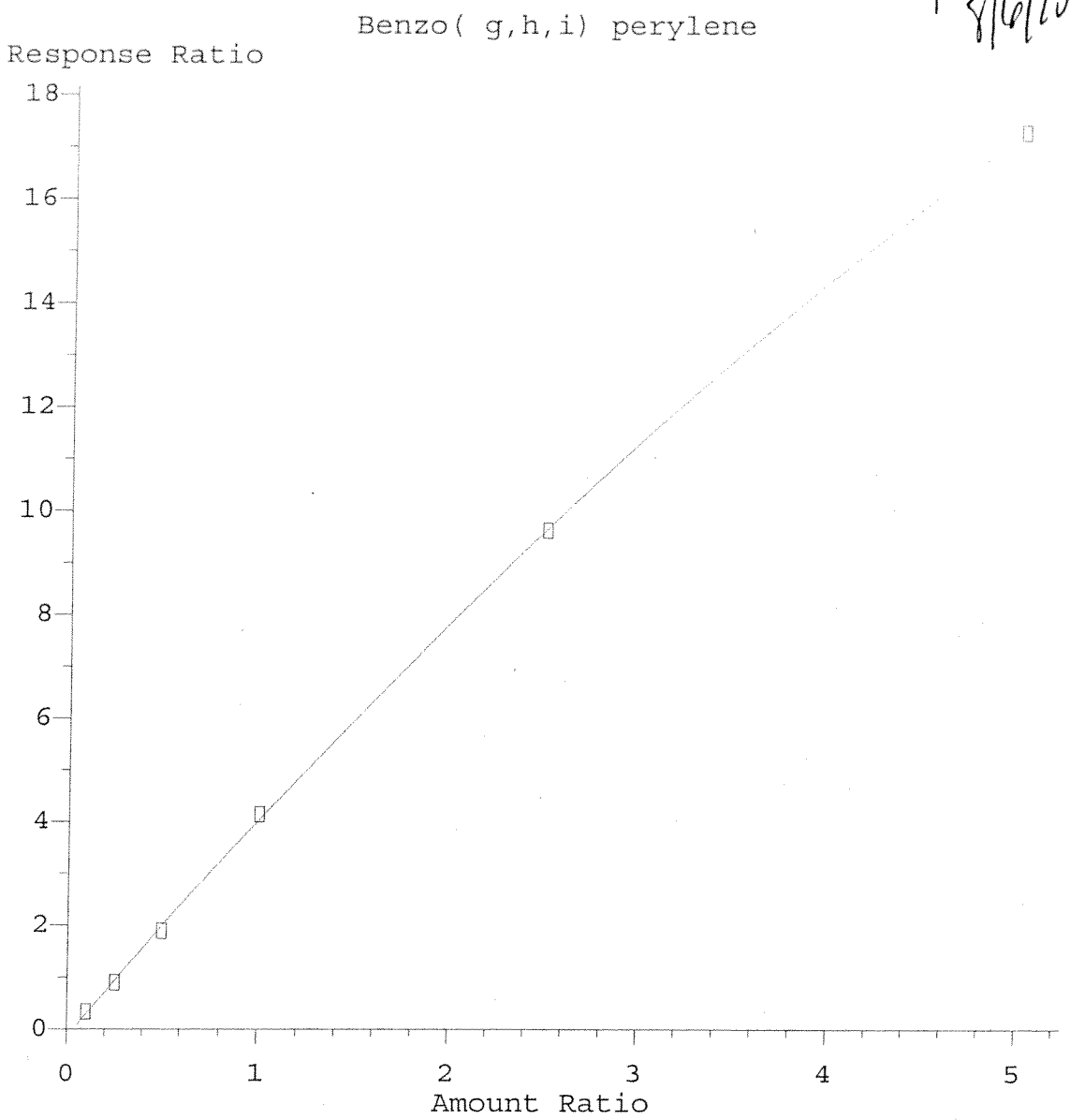


R = 4.04e-002 A*A + 3.80e+000 A - 1.51e-001
Curve Fit: Quadratic

SB9W

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10



R = -1.73e-001 A*A + 4.35e+000 A - 1.44e-001
Curve Fit: Quadratic

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

2890

MS AROMATIC
ICV

Data File Name D71460.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/5/2010 8:53

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	22.55	20	113%	OK
2-Methylnaphthalene	22.33	20	112%	OK
Acenaphthylene	22.20	20	111%	OK
Acenaphthene	22.24	20	111%	OK
Fluorene	22.47	20	112%	OK
Phenanthrene	21.99	20	110%	OK
Anthracene	22.53	20	113%	OK
o-terphenyl	23.18	20	116%	OK
Fluoranthene	21.67	20	108%	OK
Pyrene	22.24	20	111%	OK
Benzo[a]anthracene	22.19	20	111%	OK
Chrysene	22.58	20	113%	OK
Benzo[b] fluoranthene	20.30	20	102%	OK
Benzo[k] fluoranthene	22.10	20	110%	OK
Benzo[a] pyrene	22.55	20	113%	OK
Indeno [1,2,3-cd] pyrene	20.32	20	102%	OK
Dibenz [a,h] anthracene	22.10	20	111%	OK
Benzo(g,h,i) perylene	22.94	20	115%	OK

8/6/10

08910

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010

N1080510

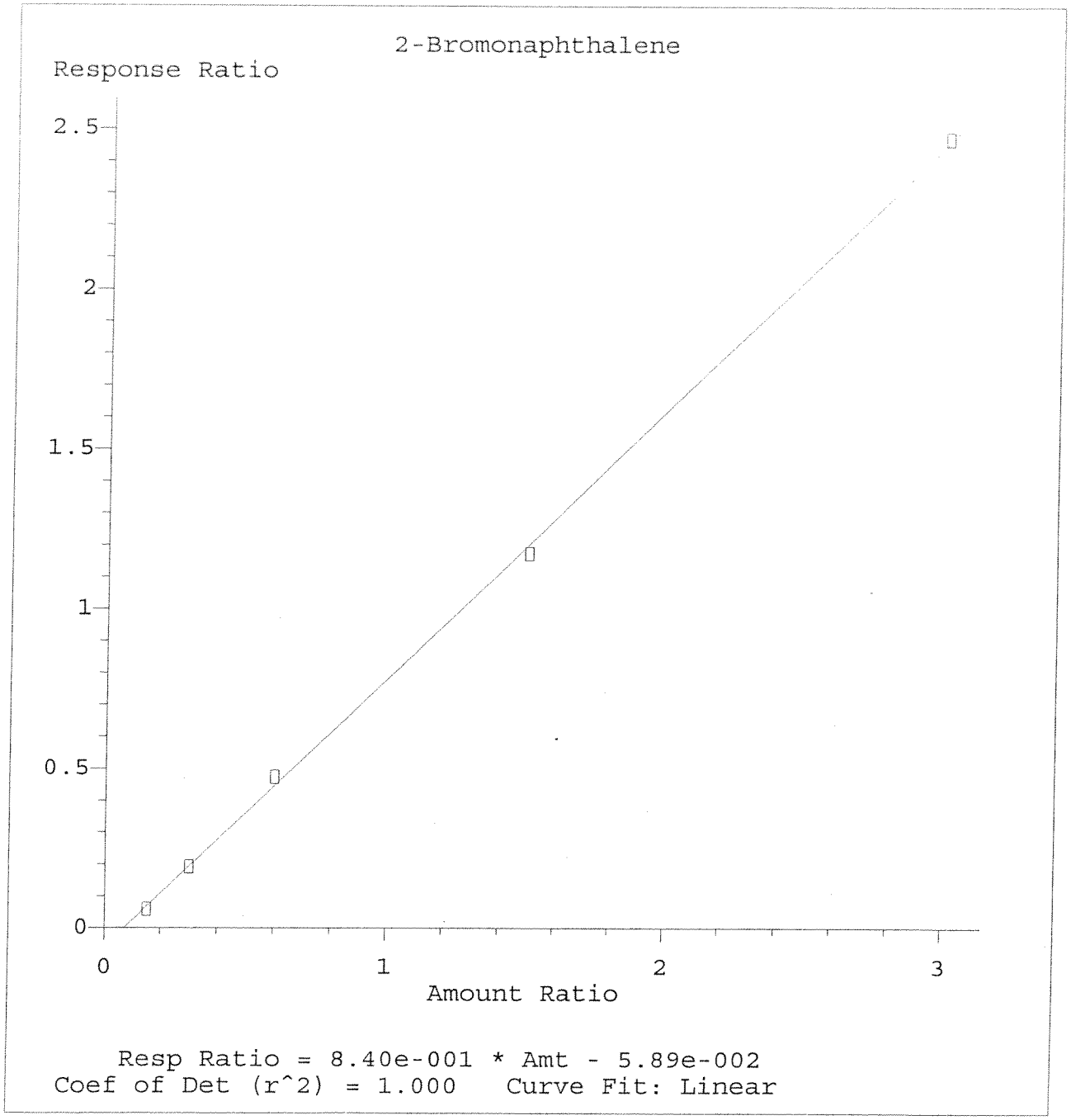
Calibration Files
2 =D71454SI.D 5 =D71455SI.D 10 =D71456SI.D
20 =D71457SI.D 50 =D71458SI.D 100 =D71459SI.D

		Compound	2	5	10	20	50	100	Avg		%RS
1)	I	5-alpha-Androstane	----------	----------	----------	ISTD	----------	----------	----------		
2)	TZ	Naphthalene	1.010	1.076	1.056	1.046	1.104	1.173	1.077	0	5.2
3)	TZ	2-Methylnaphthalene	1.004	1.010	1.043	1.027	1.082	1.088	1.042	0	3.4
4)	TZ	Acenaphthylene	0.939	0.946	0.990	0.995	1.017	1.029	0.986	0	3.7
5)	TZ	Acenaphthene	1.282	1.228	1.176	1.150	1.116	1.112	1.177	0	5.6
6)	TZ	Fluorene	0.909	0.933	0.933	0.972	0.997	0.991	0.956	0	3.7
7)	TZ	Phenanthrene	0.869	0.968	1.002	0.976	1.049	1.030	0.982	0	6.5
8)	TZ	Anthracene	0.898	1.009	1.039	0.998	1.047	0.991	0.997	0	5.3
9)	S	2-Fluorobiphenyl	—	0.934	0.957	0.978	1.013	1.053	0.987	0	4.7
10)	S	2-Bromonaphthalene	—	0.396	0.639	0.790	0.782	0.824	0.686	0	25.7
11)	S	o-terphenyl	—	0.912	0.920	0.914	0.948	0.989	0.937	0	3.4
12)	TZ	Fluoranthene	0.939	0.958	0.937	0.951	1.014	1.013	0.969	0	3.6
13)	TZ	Pyrene	0.947	0.972	0.990	1.010	1.028	1.021	0.995	0	3.1
14)	TZ	Benzo[a]anthracene	0.676	0.747	0.781	0.845	0.927	0.925	0.817	0	12.3
15)	TZ	Chrysene	0.847	0.902	0.906	0.959	0.990	0.970	0.929	0	5.7
16)	TZ	Benzo[b] fluoranthe	0.543	0.598	0.639	0.694	0.770	0.782	0.671	0	14.2
[illegible])	TZ	Benzo[k] fluoranthe	0.702	0.751	0.761	0.804	0.827	0.811	0.776	0	6.0
18)	TZ	Benzo[a] pyrene	0.517	0.592	0.663	0.712	0.752	0.765	0.667	0	14.5
19)	TZ	Indeno [1,2,3-cd] p	0.318	0.413	0.475	0.552	0.606	0.562	0.488	0	22.1
20)	TZ	Dibenz [a,h] anthra	0.552	0.650	0.708	0.746	0.695	0.691	0.673	0	9.9
21)	TZ	Benzo(g,h,i) peryl	0.506	0.600	0.638	0.715	0.651	0.572	0.614	0	11.6
22)	XH	c11-c22	0.792	0.844	0.867	0.891	0.922	0.913	0.872	0	5.5

8/5/10

(#) = Out of Range

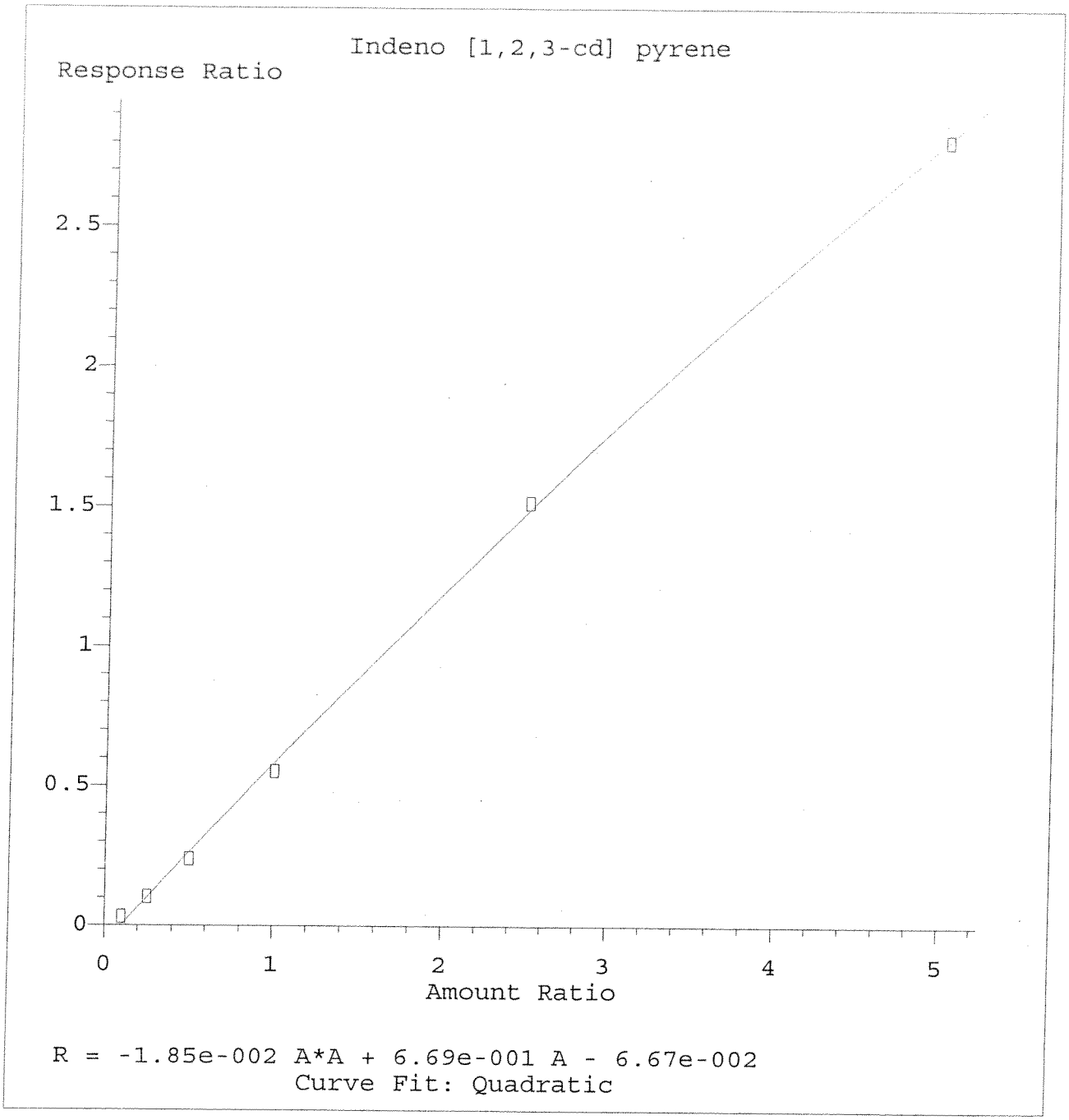
W108050



Method Name: D:\HPCHEM\1\METHODS\ARG80410.M
Calibration Table Last Updated: Thu Aug 05 10:32:35 2010

JM 8/5/10

NR080510



Method Name: D:\HPCHEM\1\METHODS\ARG80410.M
Calibration Table Last Updated: Thu Aug 05 10:34:13 2010

✓ BR 8/5/10

GC AROMATIC
2ND SOURCE
CHECK

Data File Name D71460.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/5/2010 8:53

8/6/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.60	20	108%	OK	21.60		
2-Methylnaphthalene	21.89	20	109%	OK	21.89		
Acenaphthylene	21.51	20	108%	OK	21.51		
Acenaphthene	20.46	20	102%	OK	20.46		
Fluorene	21.82	20	109%	OK	21.82		
Phenanthrene	21.50	20	108%	OK	21.50		
Anthracene	22.09	20	110%	OK	22.09		
Fluoranthene	21.39	20	107%	OK	21.39		
Pyrene	21.75	20	109%	OK	21.75		
Benzo[a]anthracene	19.96	20	100%	OK	19.96		
Chrysene	22.62	20	113%	OK	22.62		
Benzo[b] fluoranthene	19.97	20	100%	OK	19.97		
Benzo[k] fluoranthene	21.06	20	105%	OK	21.06		
Benzo[a] pyrene	22.21	20	111%	OK	22.21		
Indeno [1,2,3-cd] pyrene	20.83	20	104%	OK	20.83		
Dibenz [a,h] anthracene	23.74	20	119%	OK	23.74		
Benzo(g,h,i) perylene	22.43	20	112%	OK	22.43		
c11-c22		340			**366.84**	108%	OK

38910

8/6/10 12:51 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ARGICVSUMPRCT.CRT

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
Standard ID: S10042 ALI 40
Data File ID: D71640SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.9	2.4	
C-10	41.2	3.1	
C-12	37.6	5.9	
C-14	37.5	6.3	
C-16	38.7	3.3	
C-18	38.4	3.9	
C-19	37.9	5.3	
C-20	38.2	4.6	
1-Chlorooctadecane	15.6	2.4	
C-22	38.2	4.4	
C-24	37.6	6.1	
C-26	38.4	4.1	
C-28	38.8	3.0	
C-30	41.0	2.6	
C-36	42.8	7.0	

C9-C18 Aliphatics	234.5	2.3	
C19-C36 Aliphatics	312.8	2.2	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
Standard ID: S10041 ARO 20
Data File ID: D71641SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.4	2.2	
2-Methylnaphthalene	20.3	1.6	
Acenaphthylene	20.8	4.0	
Acenaphthene	20.3	1.7	
Fluorene	20.8	4.0	
Phenanthrene	21.2	6.2	
Anthracene	20.6	3.0	
2-Fluorobiphenyl	12.6	5.1	
2-Bromonaphthalene	12.8	6.5	
o-terphenyl	8.8	10.3	
Fluoranthene	21.7	8.4	
Pyrene	21.5	7.7	
Benzo[a]anthracene	21.7	8.3	
Chrysene	20.4	2.0	
Benzo[b] fluoranthene	21.2	6.0	
Benzo[k] fluoranthene	21.3	6.5	
Benzo[a] pyrene	21.1	5.7	
Indeno [1,2,3-cd] pyrene	21.7	8.7	
Dibenz [a,h] anthracene	21.6	7.8	
Benzo(g,h,i) perylene	21.6	8.1	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
Standard ID: S10042 ALI 40
Data File ID: D71651SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	41.5	3.9	
C-10	40.9	2.3	
C-12	39.1	2.2	
C-14	38.0	5.0	
C-16	38.8	3.1	
C-18	38.5	3.9	
C-19	36.4	8.9	
C-20	37.6	6.0	
1-Chlorooctadecane	15.7	2.1	
C-22	38.0	5.1	
C-24	37.0	7.4	
C-26	36.3	9.3	
C-28	39.3	1.9	
C-30	39.2	2.0	
C-36	44.7	11.7	

C9-C18 Aliphatics	236.8	1.3	
C19-C36 Aliphatics	308.4	3.6	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
Standard ID: S10041 ARO 20
Data File ID: D71652SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.6	8.0	
2-Methylnaphthalene	21.8	8.8	
Acenaphthylene	21.5	7.4	
Acenaphthene	21.2	5.9	
Fluorene	21.6	7.8	
Phenanthrene	22.3	11.5	
Anthracene	22.4	11.8	
2-Fluorobiphenyl	13.2	10.3	
2-Bromonaphthalene	13.8	15.2	
o-terphenyl	9.3	15.8	
Fluoranthene	22.1	10.4	
Pyrene	22.7	13.4	
Benzo[a]anthracene	22.6	13.0	
Chrysene	21.3	6.4	
Benzo[b] fluoranthene	21.9	9.3	
Benzo[k] fluoranthene	22.4	12.1	
Benzo[a] pyrene	22.0	10.2	
Indeno [1,2,3-cd] pyrene	22.9	14.6	
Dibenz [a,h] anthracene	22.4	12.0	
Benzo(g,h,i) perylene	23.0	15.0	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
Standard ID: S10042 ALI 40
Data File ID: D71654SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	39.8	0.6	
C-10	40.9	2.2	
C-12	37.7	5.6	
C-14	36.7	8.4	
C-16	37.9	5.3	
C-18	37.3	6.7	
C-19	36.5	8.9	
C-20	37.3	6.9	
1-Chlorooctadecane	15.9	0.5	
C-22	35.6	11.1	
C-24	36.4	8.9	
C-26	38.3	4.4	
C-28	39.5	1.1	
C-30	38.9	2.8	
C-36	43.1	7.6	

C9-C18 Aliphatics	230.3	4.1	
C19-C36 Aliphatics	305.5	4.5	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: D71655SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.0	5.0	
2-Methylnaphthalene	20.9	4.4	
Acenaphthylene	21.3	6.7	
Acenaphthene	21.4	7.0	
Fluorene	21.6	7.8	
Phenanthrene	22.0	10.1	
Anthracene	20.8	4.1	
2-Fluorobiphenyl	12.5	4.5	
2-Bromonaphthalene	13.4	11.5	
o-terphenyl	8.9	11.4	
Fluoranthene	21.9	9.3	
Pyrene	22.4	11.8	
Benzo[a]anthracene	22.7	13.4	
Chrysene	21.2	6.2	
Benzo[b] fluoranthene	20.1	0.7	
Benzo[k] fluoranthene	21.7	8.4	
Benzo[a] pyrene	21.5	7.6	
Indeno [1,2,3-cd] pyrene	21.7	8.5	
Dibenz [a,h] anthracene	21.6	8.2	
Benzo(g,h,i) perylene	22.7	13.5	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
Standard ID: S10042 ALI 40
Data File ID: D71671SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	42.6	6.4	
C-10	42.1	5.3	
C-12	40.9	2.3	
C-14	40.5	1.3	
C-16	40.2	0.6	
C-18	39.5	1.1	
C-19	38.2	4.6	
C-20	39.3	1.8	
1-Chlorooctadecane	16.2	1.1	
C-22	39.2	2.1	
C-24	38.0	5.0	
C-26	40.2	0.4	
C-28	40.4	1.0	
C-30	42.5	6.3	
C-36	43.1	7.7	

C9-C18 Aliphatics	245.9	2.5	
C19-C36 Aliphatics	320.8	0.3	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
Standard ID: S10041 ARO 20
Data File ID: D71672SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.0	4.9	
2-Methylnaphthalene	20.6	3.0	
Acenaphthylene	21.1	5.6	
Acenaphthene	20.9	4.3	
Fluorene	21.2	5.9	
Phenanthrene	21.4	7.0	
Anthracene	21.1	5.4	
2-Fluorobiphenyl	12.7	5.8	
2-Bromonaphthalene	12.8	6.6	
o-terphenyl	8.5	5.8	
Fluoranthene	20.7	3.4	
Pyrene	20.9	4.3	
Benzo[a]anthracene	21.6	7.9	
Chrysene	20.4	2.1	
Benzo[b] fluoranthene	20.3	1.5	
Benzo[k] fluoranthene	20.9	4.5	
Benzo[a] pyrene	20.5	2.7	
Indeno [1,2,3-cd] pyrene	21.0	4.8	
Dibenz [a,h] anthracene	21.7	8.7	
Benzo(g,h,i) perylene	21.1	5.5	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
Standard ID: S10042 ALI 40
Data File ID: D71673SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	41.8	4.6	
C-10	42.7	6.7	
C-12	37.5	6.3	
C-14	38.4	4.1	
C-16	39.6	0.9	
C-18	39.0	2.5	
C-19	37.8	5.4	
C-20	37.9	5.2	
1-Chlorooctadecane	16.4	2.4	
C-22	38.3	4.3	
C-24	38.4	4.1	
C-26	39.1	2.4	
C-28	39.0	2.6	
C-30	41.6	4.0	
C-36	43.8	9.4	

C9-C18 Aliphatics	239.0	0.4	
C19-C36 Aliphatics	315.8	1.3	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: D71674SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.9	4.4	
2-Methylnaphthalene	20.8	3.8	
Acenaphthylene	20.9	4.4	
Acenaphthene	20.8	4.2	
Fluorene	21.2	6.0	
Phenanthrene	20.6	3.0	
Anthracene	21.0	4.9	
2-Fluorobiphenyl	12.5	4.2	
2-Bromonaphthalene	12.8	6.8	
o-terphenyl	9.0	13.0	
Fluoranthene	21.0	5.2	
Pyrene	21.0	5.2	
Benzo[a]anthracene	21.9	9.4	
Chrysene	21.2	6.0	
Benzo[b] fluoranthene	19.9	0.5	
Benzo[k] fluoranthene	21.1	5.3	
Benzo[a] pyrene	20.8	3.9	
Indeno [1,2,3-cd] pyrene	21.5	7.6	
Dibenz [a,h] anthracene	21.3	6.4	
Benzo(g,h,i) perylene	21.2	5.8	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67743
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	6995120		11.02	
Upper Limit	13990240		11.08	
Lower limit	3497560		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9700 ALI 5	6392680		11.02	
S9701 ALI 10	6336220		11.02	
S9702 ALI 20	7097680		11.02	
S9704 ALI 50	6719900		11.02	
S9705 ALI 100	6944560		11.02	
S9715 ALI 20 ICV	6985250		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	39978		11.02	
Upper Limit	79956		11.08	
Lower limit	19989		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	39531		11.01	
S9707 ARO 5	38539		11.02	
S9708 ARO 10	37361		11.02	
S9710 ARO 50	35122		11.02	
S9711 ARO 100	33554		11.02	
S9716 ARO 20 ICV	30229		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6518680		10.79	
Upper Limit	13037360		10.85	
Lower limit	3259340		10.73	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	5557360		10.79	
B091310EASE	5197710		10.79	
L091310EASE	5177340		10.79	
LD091310EASE	5530260		10.79	
67743-1	5692320		10.79	
S10042 ALI 40	7003520		10.79	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67743
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	39853		10.79	
Upper Limit	79706		10.85	
Lower limit	19927		10.73	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	29504		10.79	
B091310EASE	28725		10.79	
L091310EASE	29753		10.78	
LD091310EASE	30006		10.78	
67743-1	29420		10.79	
S10041 ARO 20	40977		10.79	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6947170		10.79	
Upper Limit	13894340		10.85	
Lower limit	3473585		10.73	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	5734550		10.79	
B091310EASE,,RR	5541700		10.79	
67743-1,MS	5281740		10.79	
67743-1,MSD	5508600		10.79	
S10042 ALI 40	6791160		10.79	
S10042 ALI 40	7133070		10.79	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	41358		10.79	
Upper Limit	82716		10.85	
Lower limit	20679		10.73	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	30758		10.79	
B091310EASE,,RR	28679		10.79	
67743-1,MS	29587		10.79	
67743-1,MSD	29282		10.79	
S10041 ARO 20	41356		10.79	
S10041 ARO 20	42443		10.79	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-61154-1

SDG Number: 67743

Job Description: South Weymouth B82

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
9/20/2010 4:58 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
09/20/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

TestAmerica Laboratories, Inc.
TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SAV	SW846 7471B	
Preparation, Mercury	TAL SAV		SW846 7471B
Percent Moisture	TAL SAV	EPA Moisture	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Method	Analyst	Analyst ID
SW846 6010C	Bland, Brian	BCB
SW846 7471B	Eaton, Cliff	CE
EPA Moisture	Swafford, Frances	FS

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-61154-1	IV-B82-GTM4-01	Solid	09/10/2010 0930	09/11/2010 1036

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Client Sample ID: **IV-B82-GTM4-01**

Lab Sample ID: 680-61154-1
Client Matrix: Solid
% Moisture: 13.8

Date Sampled: 09/10/2010 0930
Date Received: 09/11/2010 1036

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-180410		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-180221		Lab File ID:	091810.chr
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Date Analyzed:	09/18/2010 1124			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2010 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6600	J	11	22
Antimony		0.58	U	0.58	2.2
Selenium		1.1	U	1.1	2.7
Nickel		6.4		0.34	4.4
Lead		7.8		0.58	1.1
Magnesium		2900	J	2.6	55
Iron		13000	J	7.7	22
Manganese		180	J	0.33	1.1
Potassium		350		8.8	110
Chromium		9.6		0.55	1.1
Copper		6.9		1.2	2.7
Barium		16		0.33	1.1
Beryllium		0.49		0.022	0.44
Silver		0.11	U	0.11	1.1
Arsenic		0.94	J	0.65	2.2
Cadmium		0.11	U	0.11	0.55
Calcium		1500	J	22	55
Cobalt		3.6		0.13	1.1
Sodium		90	U	90	220
Thallium		1.1	U	1.1	2.7
Vanadium		25	J	0.26	1.1
Zinc		46	J	1.3	2.2

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-179917		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-179745		Lab File ID:	b091410.chr
Dilution:	1.0			Initial Weight/Volume:	0.54 g
Date Analyzed:	09/14/2010 1846			Final Weight/Volume:	50 mL
Date Prepared:	09/13/2010 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0088	U	0.0088	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

General Chemistry

Client Sample ID: **IV-B82-GTM4-01**

Lab Sample ID: 680-61154-1
Client Matrix: Solid

Date Sampled: 09/10/2010 0930
Date Received: 09/11/2010 1036

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-179704 Date Analyzed: 09/13/2010 0958 DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	U	Undetected at the Limit of Detection.

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Method Blank - Batch: 680-180221

Method: 6010C
Preparation: 3050B

Lab Sample ID: MB 680-180221/9-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2010 1114
Date Prepared: 09/17/2010 1000

Analysis Batch: 680-180410
Prep Batch: 680-180221
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 091810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Aluminum	10	U	10	20
Antimony	0.53	U	0.53	2.0
Selenium	1.0	U	1.0	2.5
Nickel	0.31	U	0.31	4.0
Lead	0.53	U	0.53	1.0
Magnesium	2.4	U	2.4	50
Iron	7.0	U	7.0	20
Manganese	0.30	U	0.30	1.0
Potassium	8.0	U	8.0	100
Chromium	0.50	U	0.50	1.0
Copper	1.1	U	1.1	2.5
Barium	0.30	U	0.30	1.0
Beryllium	0.020	U	0.020	0.40
Silver	0.096	U	0.096	1.0
Arsenic	0.59	U	0.59	2.0
Cadmium	0.10	U	0.10	0.50
Calcium	20	U	20	50
Cobalt	0.12	U	0.12	1.0
Sodium	82	U	82	200
Thallium	0.99	U	0.99	2.5
Vanadium	0.24	U	0.24	1.0
Zinc	1.2	U	1.2	2.0

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Lab Control Sample - Batch: 680-180221

Method: 6010C
Preparation: 3050B

Lab Sample ID: LCS 680-180221/10-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2010 1119
Date Prepared: 09/17/2010 1000

Analysis Batch: 680-180410
Prep Batch: 680-180221
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 091810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	194	97	75 - 125	
Antimony	50.0	48.1	96	75 - 125	
Selenium	200	200	100	75 - 125	
Nickel	50.0	50.2	100	75 - 125	
Lead	50.0	49.8	100	75 - 125	
Magnesium	500	498	100	75 - 125	
Iron	100	102	102	75 - 125	
Manganese	50.0	50.3	101	75 - 125	
Potassium	500	481	96	75 - 125	
Chromium	20.0	20.2	101	75 - 125	
Copper	25.0	25.2	101	75 - 125	
Barium	200	202	101	75 - 125	
Beryllium	5.00	4.96	99	75 - 125	
Silver	5.00	4.92	98	75 - 125	
Arsenic	200	199	99	75 - 125	
Cadmium	5.00	5.03	101	75 - 125	
Calcium	500	494	99	75 - 125	
Cobalt	50.0	50.0	100	75 - 125	
Sodium	500	476	95	75 - 125	
Thallium	200	206	103	75 - 125	
Vanadium	50.0	49.3	99	75 - 125	
Zinc	50.0	51.1	102	75 - 125	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-180221

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-61154-1	Analysis Batch: 680-180410	Instrument ID: ICPD
Client Matrix:	Solid	Prep Batch: 680-180221	Lab File ID: 091810.chr
Dilution:	1.0		Initial Weight/Volume: 1.06 g
Date Analyzed:	09/18/2010 1140		Final Weight/Volume: 100 mL
Date Prepared:	09/17/2010 1000		

MSD Lab Sample ID:	680-61154-1	Analysis Batch: 680-180410	Instrument ID: ICPD
Client Matrix:	Solid	Prep Batch: 680-180221	Lab File ID: 091810.chr
Dilution:	1.0		Initial Weight/Volume: 1.06 g
Date Analyzed:	09/18/2010 1145		Final Weight/Volume: 100 mL
Date Prepared:	09/17/2010 1000		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	-940	-1127	75 - 125	9	20	4	4
Antimony	93	99	75 - 125	6	20		
Selenium	98	102	75 - 125	4	20		
Nickel	94	96	75 - 125	2	20		
Lead	91	97	75 - 125	6	20		
Magnesium	-109	-158	75 - 125	12	20	4	4
Iron	-4558	-5494	75 - 125	13	20	4	4
Manganese	-34	-66	75 - 125	11	20	J	J
Potassium	93	89	75 - 125	2	20		
Chromium	84	95	75 - 125	8	20		
Copper	93	95	75 - 125	2	20		
Barium	98	103	75 - 125	5	20		
Beryllium	95	99	75 - 125	5	20		
Silver	96	100	75 - 125	5	20		
Arsenic	97	102	75 - 125	4	20		
Cadmium	98	102	75 - 125	4	20		
Calcium	70	58	75 - 125	4	20	J	J
Cobalt	95	99	75 - 125	3	20		
Sodium	96	103	75 - 125	6	20		
Thallium	100	105	75 - 125	5	20		
Vanadium	69	73	75 - 125	3	20	J	J
Zinc	178	114	75 - 125	28	20	J	J

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Method Blank - Batch: 680-179745

Method: 7471B
Preparation: 7471B

Lab Sample ID: MB 680-179745/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2010 1723
Date Prepared: 09/13/2010 1305

Analysis Batch: 680-179917
Prep Batch: 680-179745
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b091410.chr
Initial Weight/Volume: 0.53 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Hg	0.0077	U	0.0077	0.019

Lab Control Sample - Batch: 680-179745

Method: 7471B
Preparation: 7471B

Lab Sample ID: LCS 680-179745/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2010 1727
Date Prepared: 09/13/2010 1305

Analysis Batch: 680-179917
Prep Batch: 680-179745
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b091410.chr
Initial Weight/Volume: 0.53 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.236	0.214	91	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-179745

Method: 7471B
Preparation: 7471B

MS Lab Sample ID: 680-61109-A-2-E MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2010 1735
Date Prepared: 09/13/2010 1305

Analysis Batch: 680-179917
Prep Batch: 680-179745

Instrument ID: LEEMAN1
Lab File ID: b091410.chr
Initial Weight/Volume: 0.54 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-61109-A-2-F MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2010 1738
Date Prepared: 09/13/2010 1305

Analysis Batch: 680-179917
Prep Batch: 680-179745

Instrument ID: LEEMAN1
Lab File ID: b091410.chr
Initial Weight/Volume: 0.54 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hg	78	98	80 - 120	13	20	J	

Chain Of Custody Form

TA-GA

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 2.9
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: Proj. Name: South Weymouth - B82
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 67743 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
IV-B82-GTM4-01	9/10/10	930	TAL Metals		X						S	1	G		67743-1

9/10/10

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☒ 72hr* ☐ 5 Days*
☐
*Fee may apply, lab approval required

Comments / Instructions:
Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☒ DOD* ☒ Level IV*
☐ Standard

State:
☐ NH
☒ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required: Y* N
Type: Tetra Tech

Relinquished By Sampler:	Relinquished By:	Relinquished By:
Date:	Date: 9/10/10	Date: 9/10/10
Time:	Time: 530	Time: 1036
Received By:	Received By: UPS	Received By: Burlington

Page 1 of 1 680-61154

Analytics\AEL Documents\AEL COC

9/20/2010

EXTRACTION
LOGBOOK PAGES

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 09/13/10

Initials: KE

EXTRACT TRANSFER SHEET

Extractable Petroleum

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
67734-1	EPHASE	09/13/10	Solid		15.35	2.0		
67734-2	EPHASE	09/13/10	Solid		15.29	2.0		
67734-3	EPHASE	09/13/10	Solid		15.38	2.0		
67734-4	EPHASE	09/13/10	Solid		15.79	2.0		
67743-1	EPHASE	09/13/10	Solid		15.97	2.0		

9/13/10

9.14.10

Extractable Petroleum Hydrocarbons Solid Preparation Logbook

Circle Method Reference: SW-846 3550B Sonication
SW-846 3545 Accelerated Solvent Extraction (ASE)
MADEP-98-EPH

Date: 9.13.10 Time: 11:30AM
Initials: KE

QC Batch ID: Q-P-091310-1-KE
Prep. Batch ID: P-P-091310-1-KE

Sample #	Matrix	Weight (g)	1 mL Surrogate	2 mL Spike	Cook Down Date	Turbo Vap# (10mL)	3 mL Frac. Sur	F.V Before Frac.in C6	Volumetric Serial #	Ali. Vol. C6	Volumetric Serial #	Aro. Vol. MeCl2	Volumetric Serial #	Fractiontion Date	Turbo Vap # Ali (1mL)	Turbo Vap # Aro
B091310EASE	Na2SO4	15.00	1.0EB	—	9.13.10	4	1.0	10ml	1140	1ml	1680	1ml	1710	9.13.10	4	1
L091310EASE	Si:Sand	15.10	1.0	1.0EB			1.0									2
LD091310EASE	Si:Sand	15.03	1.0	1.0			1.0									
67734-1	Sand	15.35	1.0	—			1.0									
-2	Sandy Soil	15.29	1.0	—			1.0									
-3	Soil	15.38	1.0	—			1.0									
-4	Soil	15.79	1.0	—		1	1.0								1	4
67743-1	Sand	15.97	1.0	—			1.0									
-1,MS		15.68	1.0	1.0EB			1.0									
-1,MSD		15.17	1.0	1.0			1.0									

82 9/13/10

AEL_Documents:_TopLevelOldServer:AEL Documents LLC:logbooks:PREP LOGBOOKS.xls

Rev 2 10/09/09

[21]

9/13/10

VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 14, 2010

SAMPLE DATA

Lab Sample ID: MB09130C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	94 %	d8-Toluene	95 %	Bromofluorobenzen	96 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76184B.D Vial: 13
Acq On : 13 Sep 2010 1:27 pm Operator: MT
Sample : MB09130C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:19 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10
*Added Surr Surr to 10mL MeOH in vial

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	214534	20.00	ug/L	0.01
39) 1,4-Difluorobenzene	8.58	114	431747 ✓	20.00	ug/L	0.01
63) *d5-Chlorobenzene	13.11	117	378639	20.00	ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	163899	20.00	ug/L	0.01

System Monitoring Compounds						
28) DB Holder #28	7.97	65	76216	9.35	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery	=	~~46.75%#~~	94%
36) d4-1,2-Dichloroethane	7.97	65	76216	9.35	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery	=	~~46.75%#~~	94%
54) d8-Toluene	10.84	98	226910	9.53	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery	=	~~47.65%#~~	95%
73) Bromofluorobenzene	14.99	95	85362	9.58	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery	=	~~47.90%#~~	96%

Target Compounds						Qvalue
~~3)~~ Chloromethane	1.97	50	391	~~Below~~ Cal		87
~~5)~~ Bromomethane	2.44	94	2622	~~1.23~~ ug/L	#	42
~~12)~~ Acetone	3.59	43	6223	~~Below~~ Cal		93
~~21)~~ 1,1-Dichloroethane	5.65	63	396	~~Below~~ Cal	#	1
~~30)~~ Bromochloromethane	7.12	128	243	~~Below~~ Cal	#	12
~~31)~~ Tetrahydrofuran	7.21	71	336	~~Below~~ Cal	#	14
~~40)~~ Trichloroethene	9.05	95	1235	~~Below~~ Cal	#	40
~~46)~~ Dibromomethane	9.71	93	76	~~Below~~ Cal	#	6
~~92)~~ 1,2-Dibromo-3-chloropropan	18.67	75	550	~~Below~~ Cal	#	3

ND

SY.1410

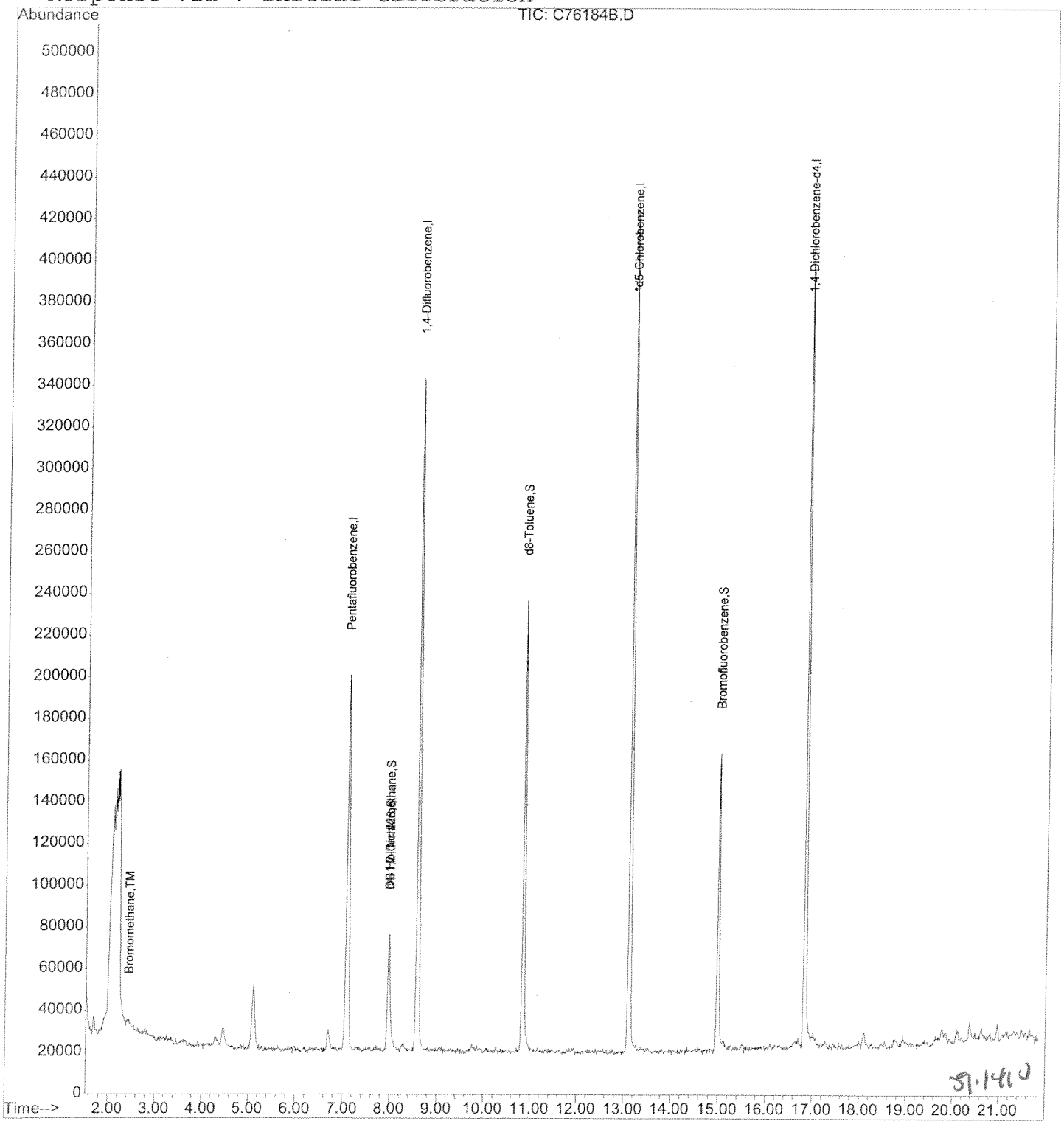
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76184B.D Vial: 13
Acq On : 13 Sep 2010 1:27 pm Operator: MT
Sample : MB09130C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:19 2010 Quant Results File: V808100C.RES

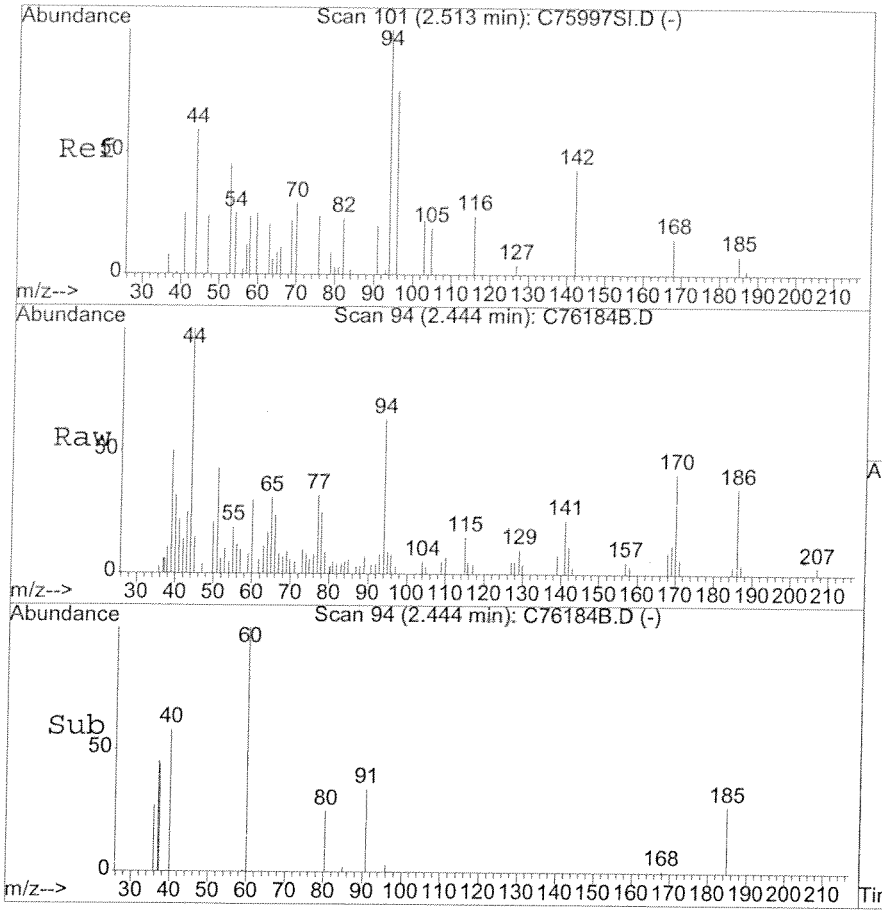
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/13/10



51.141U

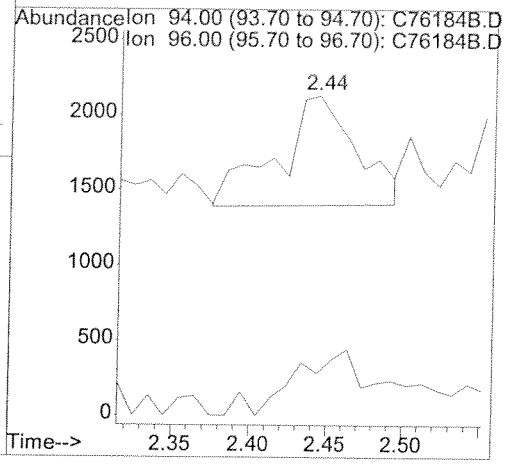
MT 9/23/10

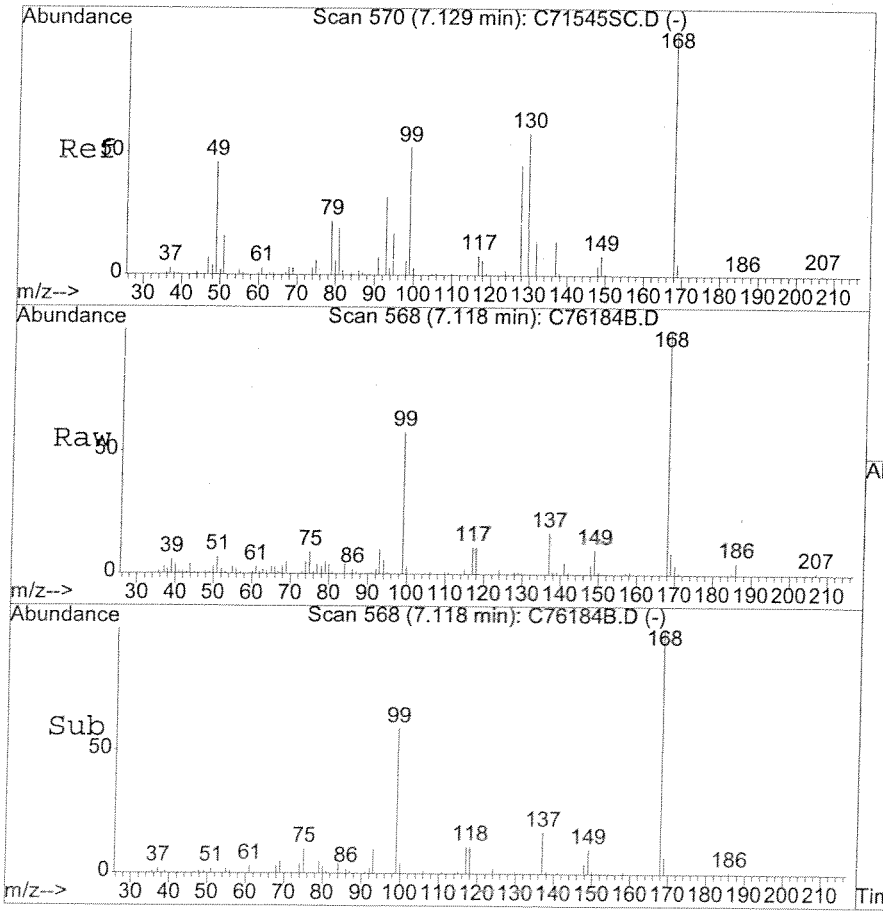


#5
Bromomethane
Concen: 1.23 ug/L
RT: 2.44 min Scan# 94
Delta R.T. -0.03 min
Lab File: C76184B.D
Acq: 13 Sep 2010 1:27 pm

Tgt Ion: 94 Resp: 2622

Ion	Ratio	Lower	Upper
94	100		
96	39.1	75.4	115.4#

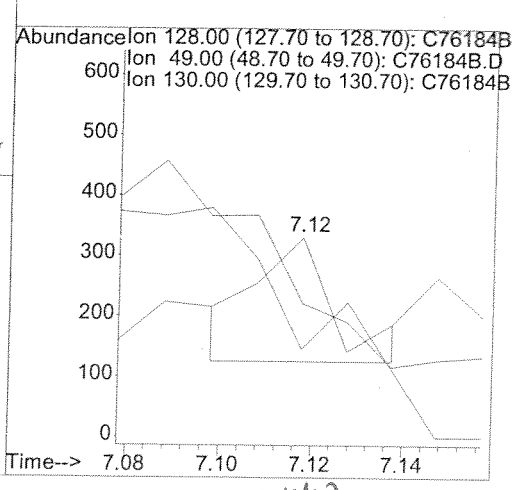




#30
Bromochloromethane
Concen: Below Cal
RT: 7.12 min Scan# 568
Delta R.T. 0.01 min
Lab File: C76184B.D
Acq: 13 Sep 2010 1:27 pm

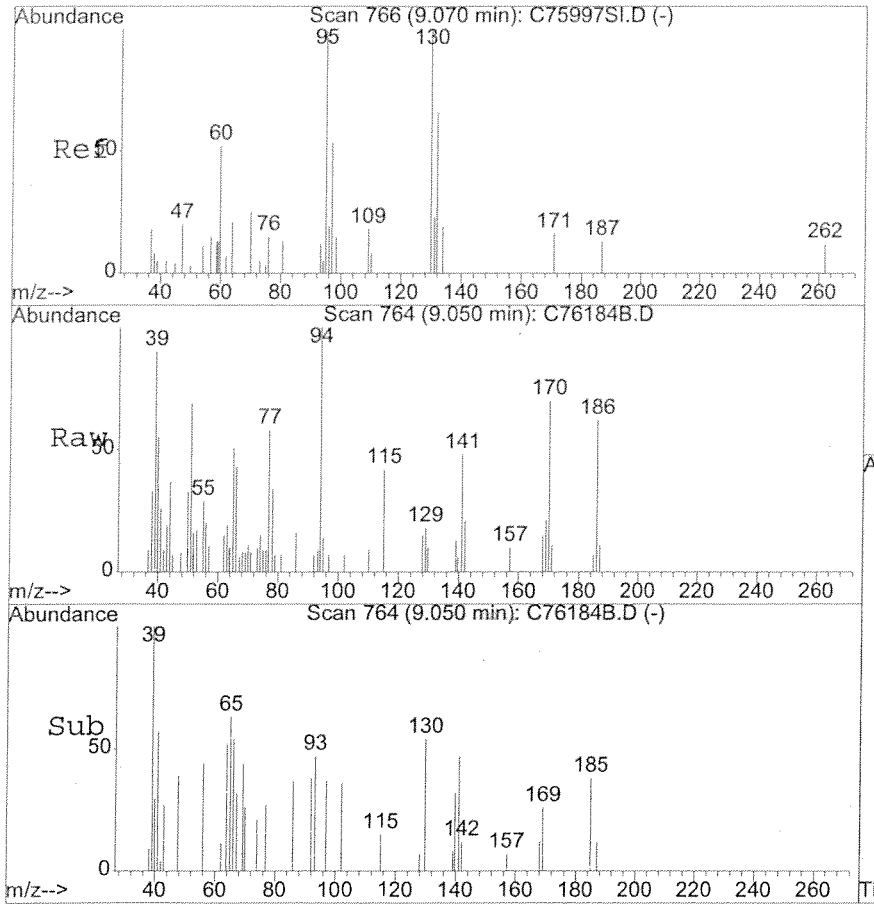
Tgt Ion:128 Resp: 243

Ion	Ratio	Lower	Upper
128	100		
49	22.2	175.1	215.1#
130	72.9	104.4	144.4#



9-14-10

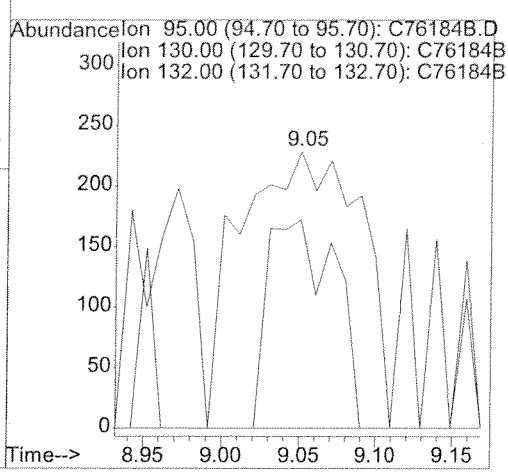
MT ~~9/22~~ 9/13/10

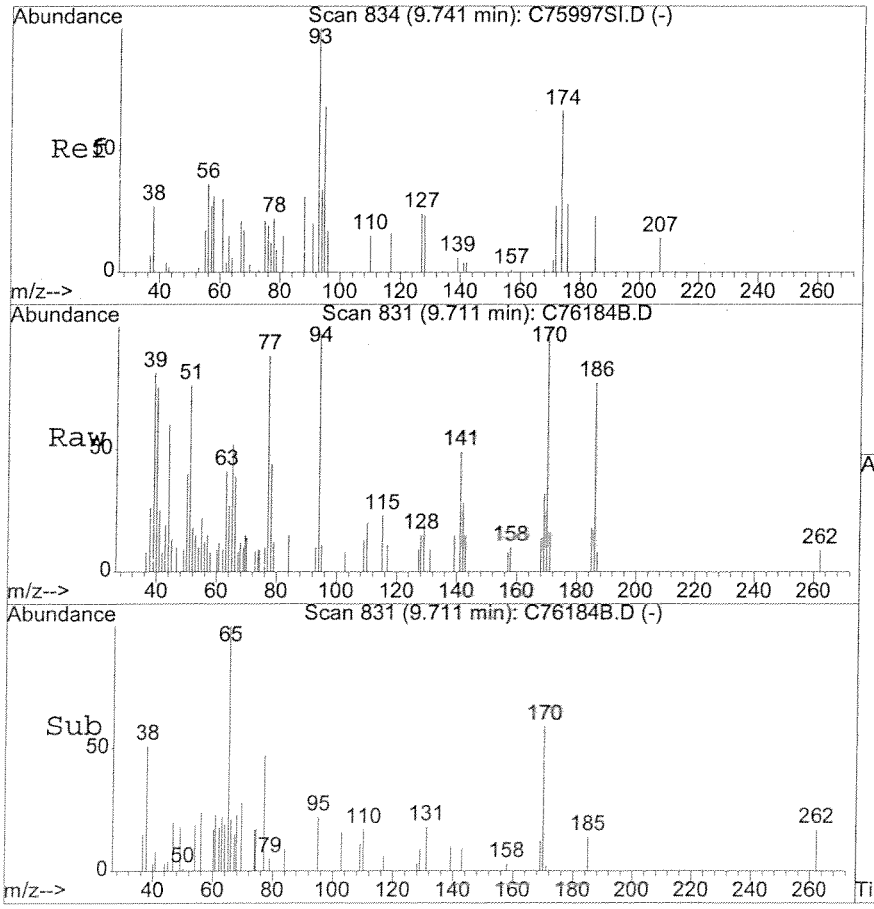


#40
Trichloroethene
Concen: Below Cal
RT: 9.05 min Scan# 764
Delta R.T. 0.01 min
Lab File: C76184B.D
Acq: 13 Sep 2010 1:27 pm

Tgt Ion: 95 Resp: 1235

Ion	Ratio	Lower	Upper
95	100		
130	75.4	78.9	118.9#
132	0.0	74.5	114.5#

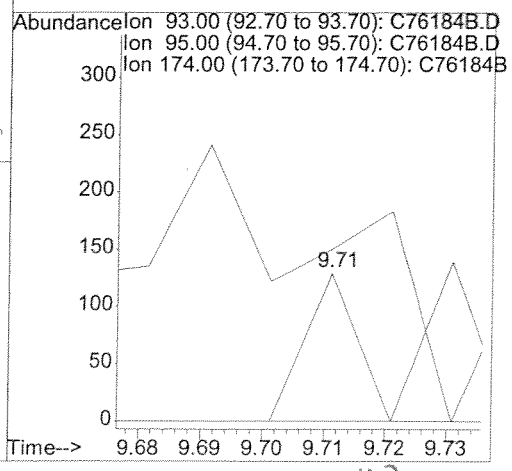




#46
Dibromomethane
Concen: Below Cal
RT: 9.71 min Scan# 831
Delta R.T. 0.00 min
Lab File: C76184B.D
Acq: 13 Sep 2010 1:27 pm

Tgt Ion: 93 Resp: 76

Ion	Ratio	Lower	Upper
93	100		
95	0.0	63.4	103.4#
174	0.0	68.6	108.6#



JI1410

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 14, 2010

SAMPLE DATA

Lab Sample ID: 67743-1
Matrix: Solid
Percent Solid: 82
Dilution Factor: 118
Collection Date: 09/10/10
Lab Receipt Date: 09/10/10
Analysis Date: 09/13/10

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Field Sample ID: IV-B82-GTM4-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	118	U	1,1,2-Trichloroethane	89	U
Chloromethane	118	U	1,3-Dichloropropane	118	U
Vinyl Chloride	118	U	Tetrachloroethene	118	U
Bromomethane	118	**100 J**	2-Hexanone	1180	U
Chloroethane	118	U	Dibromochloromethane	89	U
Trichlorofluoromethane	118	U	1,2-Dibromoethane	89	U
1,1-Dichloroethene	89	U	Chlorobenzene	118	U
Acetone	1180	U	1,1,1,2-Tetrachloroethane	118	U
Methyl iodide	118	U	Ethylbenzene	118	U
Carbon Disulfide	118	U	o-Xylene	118	**66 J**
Methylene Chloride	591	U	m,p-Xylene	118	**212**
trans-1,2-Dichloroethene	118	U	Styrene	118	U
Methyl-tert-butyl ether (MTBE)	89	U	Bromoform	89	U
1,1-Dichloroethane	118	U	Isopropylbenzene	118	**82 J**
Vinyl acetate	887	U	1,1,2,2-Tetrachloroethane	89	U
Methyl ethyl ketone	1180	U	Bromobenzene	118	U
cis-1,2-Dichloroethene	118	U	1,2,3-Trichloropropane	118	U
2,2-Dichloropropane	118	U	n-Propylbenzene	118	**189**
Bromochloromethane	118	U	2-Chlorotoluene	118	U
Chloroform	89	U	1,3,5-Trimethylbenzene	118	**458**
1,1,1-Trichloroethane	118	U	4-Chlorotoluene	118	U
1,1-Dichloropropene	118	U	tert-butylbenzene	118	U
Carbon Tetrachloride	118	U	1,2,4-Trimethylbenzene	118	**1430**
1,2-Dichloroethane	89	U	sec-butylbenzene	118	**155**
Benzene	118	U	p-isopropyltoluene	118	**724**
Trichloroethene	118	U	1,3-Dichlorobenzene	118	U
1,2-Dichloropropane	89	U	1,4-Dichlorobenzene	118	U
Dibromomethane	118	U	n-butylbenzene	118	U
Bromodichloromethane	89	U	1,2-Dichlorobenzene	118	U
cis-1,3-Dichloropropene	118	U	1,2-Dibromo-3-chloropropane	118	U
Methyl isobutyl ketone	1180	U	1,2,4-Trichlorobenzene	118	U
Toluene	118	U	Hexachlorobutadiene	118	U
trans-1,3-Dichloropropene	118	U	Naphthalene	118	**1890**
			1,2,3-Trichlorobenzene	118	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	85 %	d8-Toluene	84 %	Bromofluorobenzen	89 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A. Quantitation limits increased due to the presence of non-target analytes.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76192.D Vial: 4
Acq On : 13 Sep 2010 5:43 pm Operator: MT
Sample : 67743-1 Inst : Instr_C
Misc : 50,10.34,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:48 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/14/10

DF= ~~(15g)~~ (5000)(10) / (50ml)(10.34g)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	207920	20.00 ug/L	0.02
39) 1,4-Difluorobenzene	8.58	114	419724 ✓	20.00 ug/L	0.02
63) *d5-Chlorobenzene	13.12	117	364104	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.82	152	160584	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.97	65	134112	16.98 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	84.90% ✓	
36) d4-1,2-Dichloroethane	7.97	65	134112	16.97 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	84.85% ✓	
54) d8-Toluene	10.84	98	387751	16.75 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	83.75% ✓	
73) Bromofluorobenzene	14.99	95	153321	17.89 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	89.45% ✓	

Target Compounds					Qvalue
~~3)~~ Chloromethane	1.92	50	890	~~Below~~ Cal #	43
~~5)~~ Bromomethane	2.51	94	741	~~0.96~~ ug/L #	2
~~21)~~ 1,1-Dichloroethane	5.63	63	574	~~Below~~ Cal #	45
~~30)~~ Bromochloromethane	7.06	128	902	~~Below~~ Cal #	27
~~31)~~ Tetrahydrofuran	7.20	71	11334	~~12.34~~ ug/L #	1
~~40)~~ Trichloroethene	9.05	95	663	~~Below~~ Cal #	1
~~42)~~ Methylmethacrylate	9.40	69	2791	~~0.53~~ ug/L #	40
~~46)~~ Dibromomethane	9.70	93	240	~~Below~~ Cal #	6
48) Methylcyclohexane	9.14	83	20747	1.92 ug/L	95
67) m,p-Xylene	13.39	106	21670	✓1.79 ug/L	87
68) o-Xylene	14.05	106	6559	0.56 ug/L	94
71) Isopropylbenzene	14.62	105	21157	0.70 ug/L	97
~~72)~~ 1,1,2,2-Tetrachloroethane	14.84	83	6085	~~0.68~~ ug/L #	53
~~75)~~ trans-1,4-Dichloro-2-buten	15.23	89	1797	~~0.77~~ ug/L #	1
76) n-Propylbenzene	15.24	91	57036	✓1.60 ug/L	96
78) 1,3,5-Trimethylbenzene	15.49	105	92097	✓3.87 ug/L	100
~~81)~~ tert-butylbenzene	16.10	119	35669	~~1.69~~ ug/L	78
82) 1,2,4-Trimethylbenzene	16.10	105	308795	✓12.12 ug/L	100
~~83)~~ Diisobutylketone	15.12	57	44650	~~2.48~~ ug/L #	1
84) sec-butylbenzene	16.37	105	44206	✓1.31 ug/L	98
85) p-isopropyltoluene	16.60	119	164979	✓6.13 ug/L	97
~~89)~~ n-butylbenzene	17.24	91	96670	~~3.85~~ ug/L #	20
~~92)~~ 1,2-Dibromo-3-chloropropan	18.68	75	641	~~Below~~ Cal #	3
96) Naphthalene	20.48	128	343244	✓15.98 ug/L	100

9

9/14/10

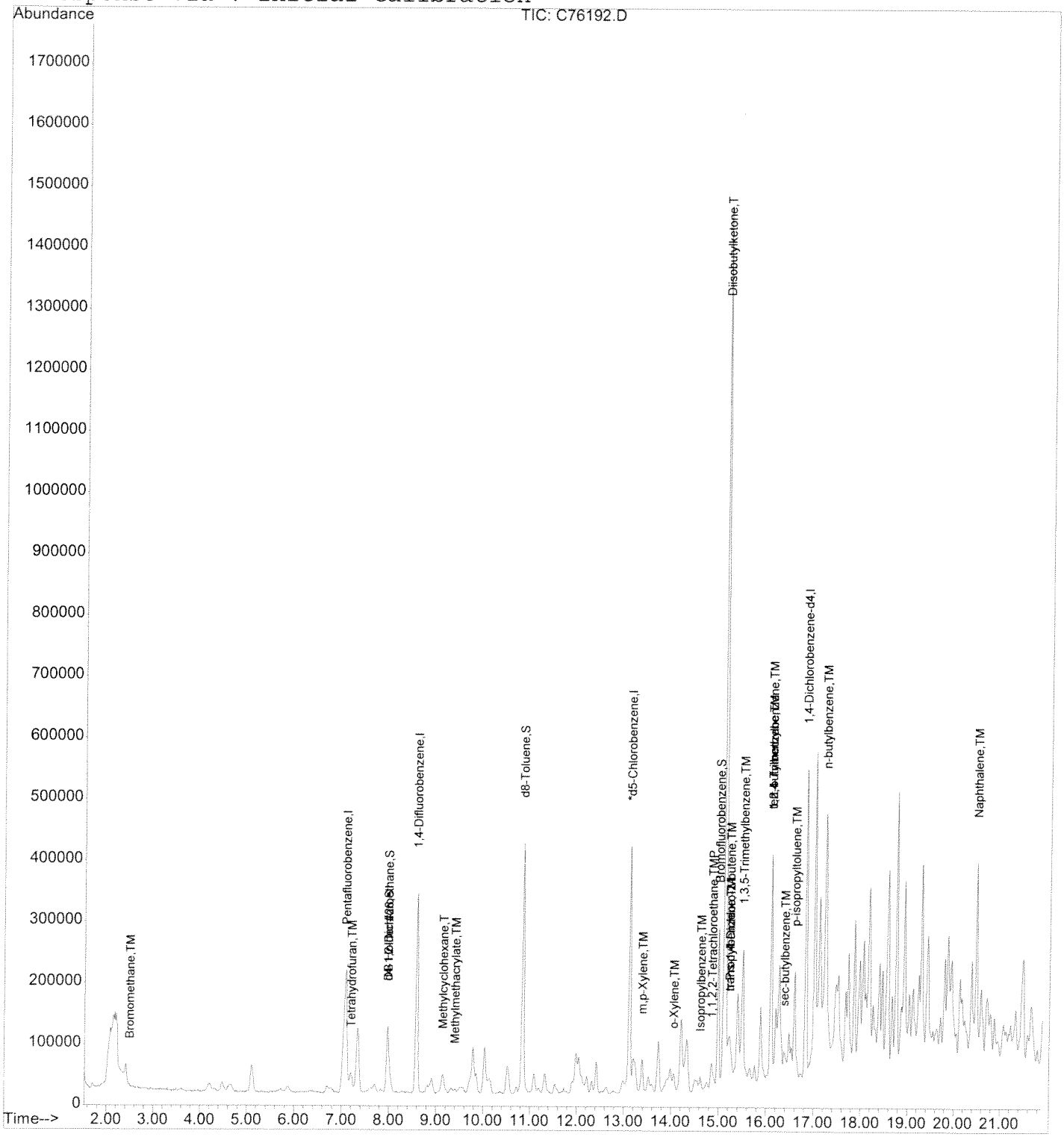
(#) = qualifier out of range (m) = manual integration
C76192.D V808100C.M Tue Sep 14 07:49:19 2010 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76192.D Vial: 4
Acq On : 13 Sep 2010 5:43 pm Operator: MT
Sample : 67743-1 Inst : Instr_C
Misc : 50,10.34,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:48 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

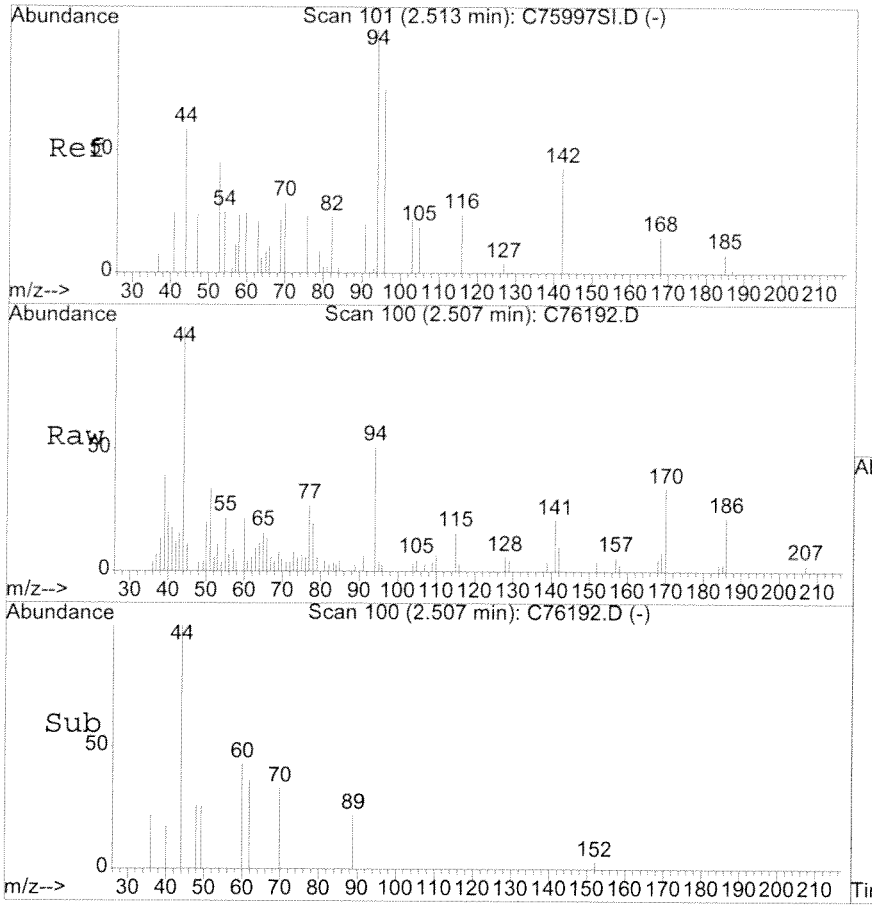
MT 9/14/10



C76192.D V808100C.M Tue Sep 14 07:49:19 2010 Page 2

JA 9/14/10

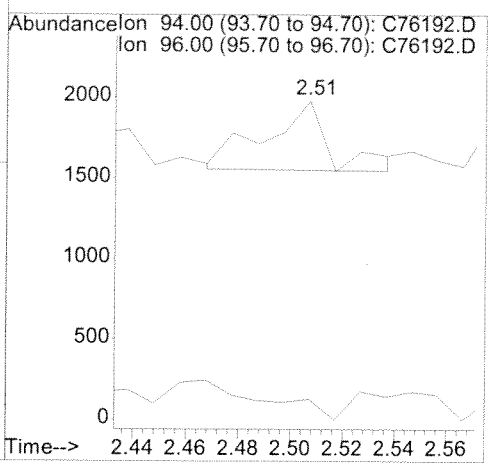
MT 9/14/10

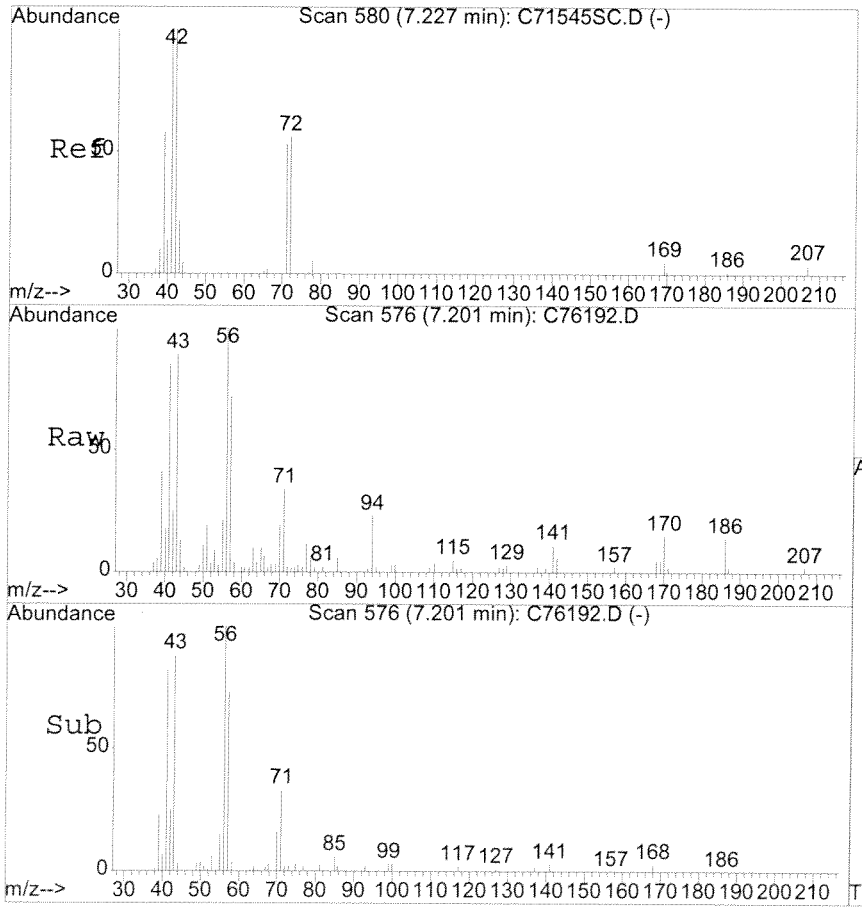


#5
Bromomethane
Concen: 0.96 ug/L
RT: 2.51 min Scan# 100
Delta R.T. 0.04 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion: 94 Resp: 741

Ion	Ratio	Lower	Upper
94	100		
96	0.0	75.4	115.4#

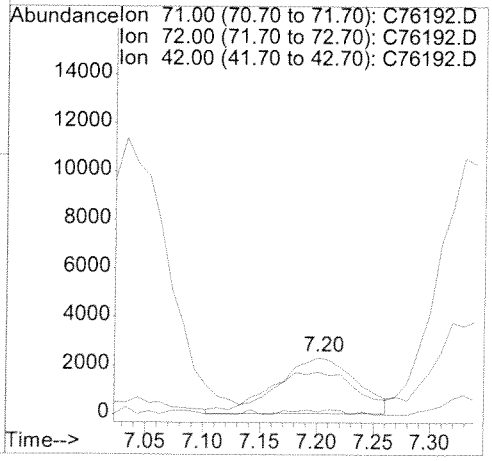




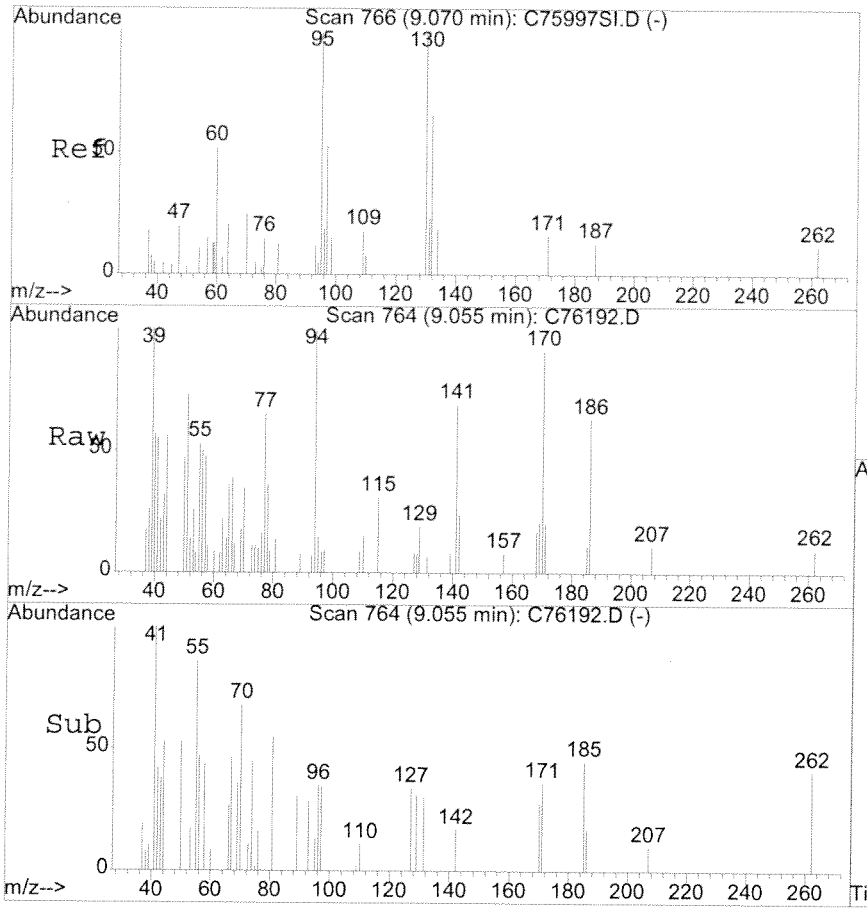
#31
Tetrahydrofuran
Concen: 12.34 ug/L
RT: 7.20 min Scan# 576
Delta R.T. -0.00 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion: 71 Resp: 11334

Ion	Ratio	Lower	Upper
71	100		
72	5.5	74.6	111.8#
42	66.8	229.1	343.7#



9.14.10

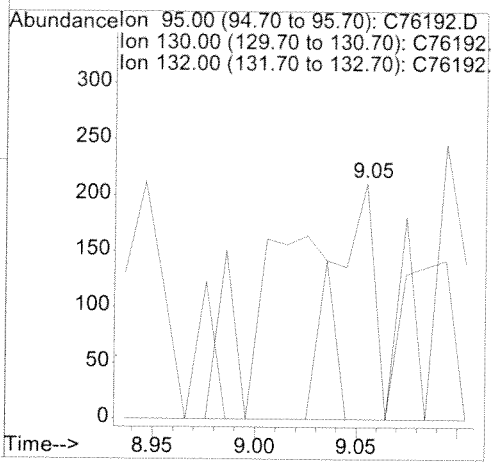


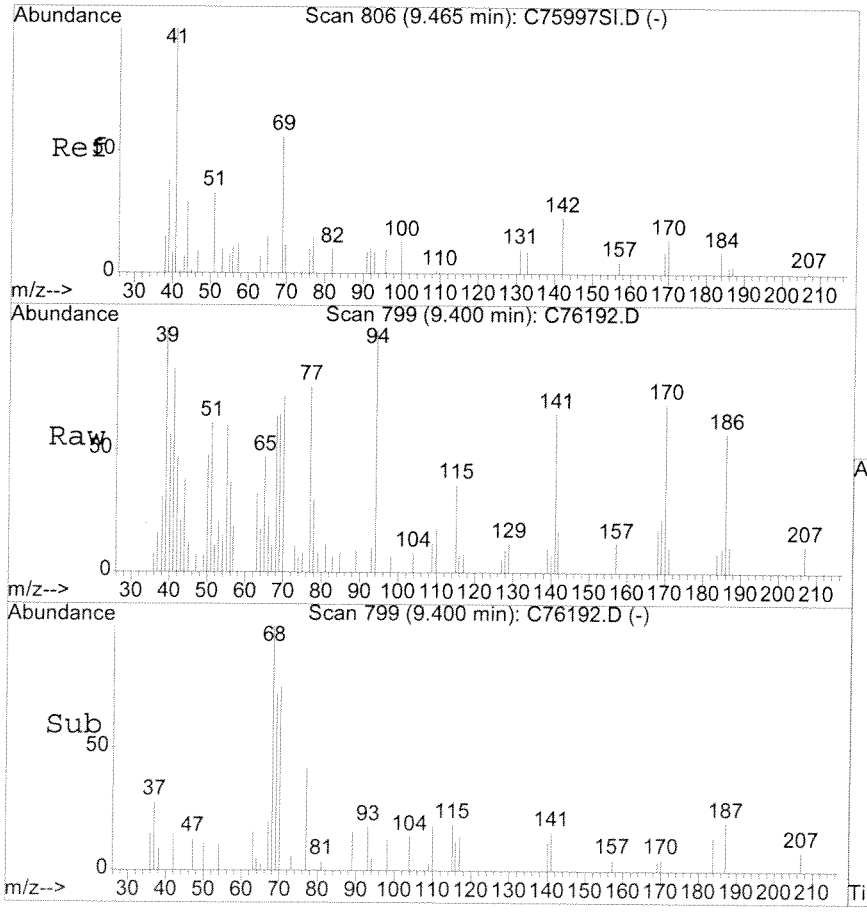
MT 9/14/10

#40
Trichloroethene
Concen: Below Cal
RT: 9.05 min Scan# 764
Delta R.T. 0.02 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion: 95 Resp: 663

Ion	Ratio	Lower	Upper
95	100		
130	0.0	78.9	118.9#
132	0.0	74.5	114.5#

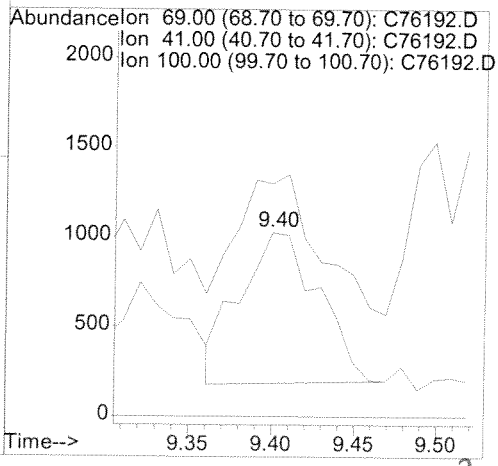




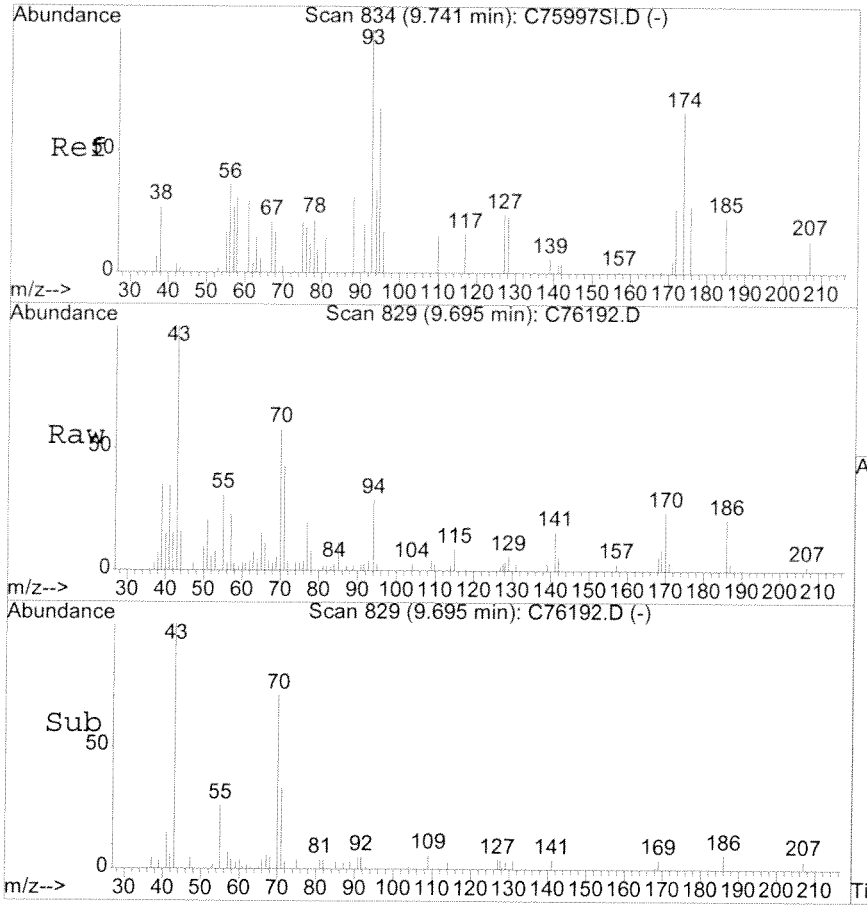
#42
Methylmethacrylate
Concen: 0.53 ug/L
RT: 9.40 min Scan# 799
Delta R.T. -0.04 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion: 69 Resp: 2791

Ion	Ratio	Lower	Upper
69	100		
41	92.0	137.4	206.2#
100	0.0	35.4	53.2#



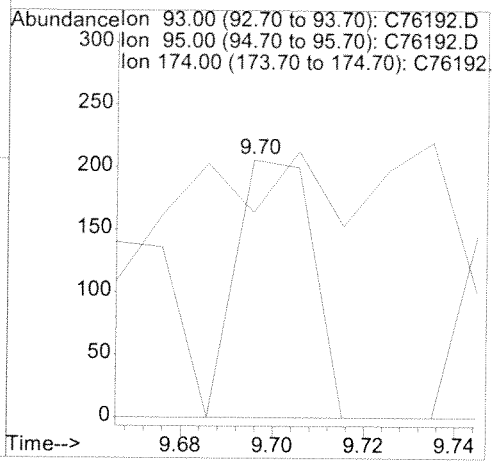
9/14/10

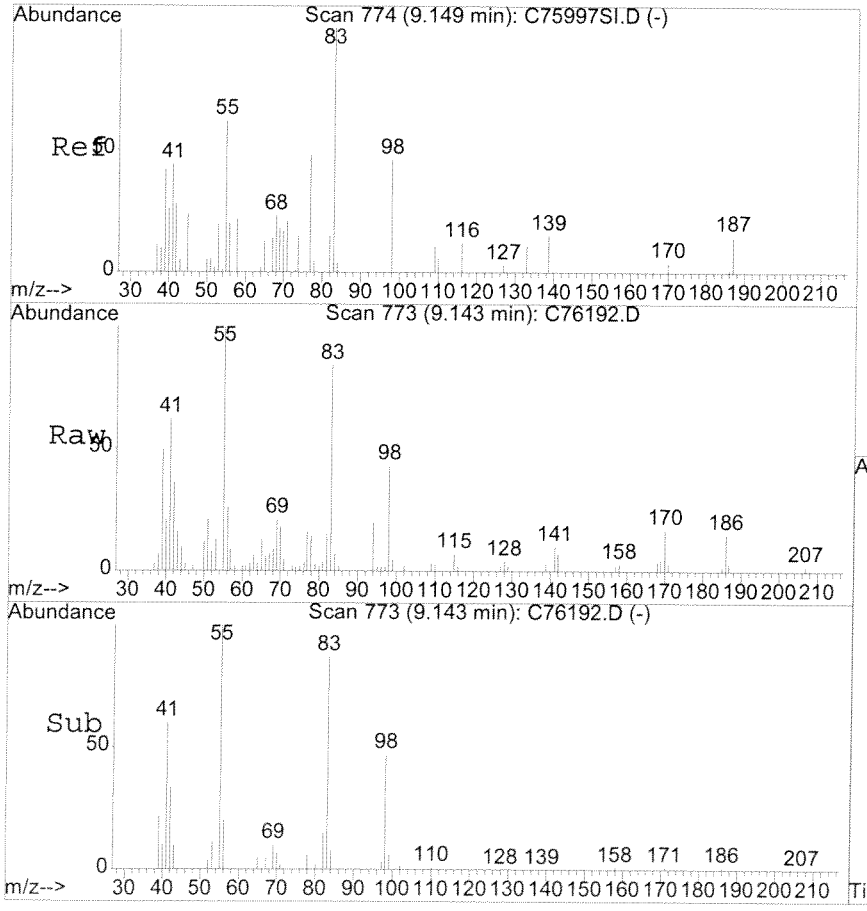


#46 MT 9/14/10
Dibromomethane
Concen: Below Cal
RT: 9.70 min Scan# 829
Delta R.T. -0.01 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion: 93 Resp: 240

Ion	Ratio	Lower	Upper
93	100		
95	0.0	63.4	103.4#
174	0.0	68.6	108.6#



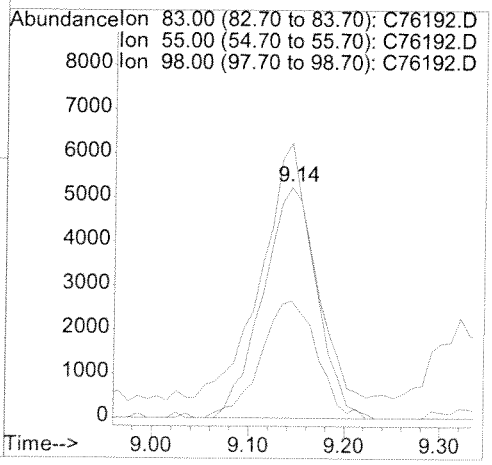


#48
Methylcyclohexane
Concen: 1.92 ug/L
RT: 9.14 min Scan# 773
Delta R.T. 0.02 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

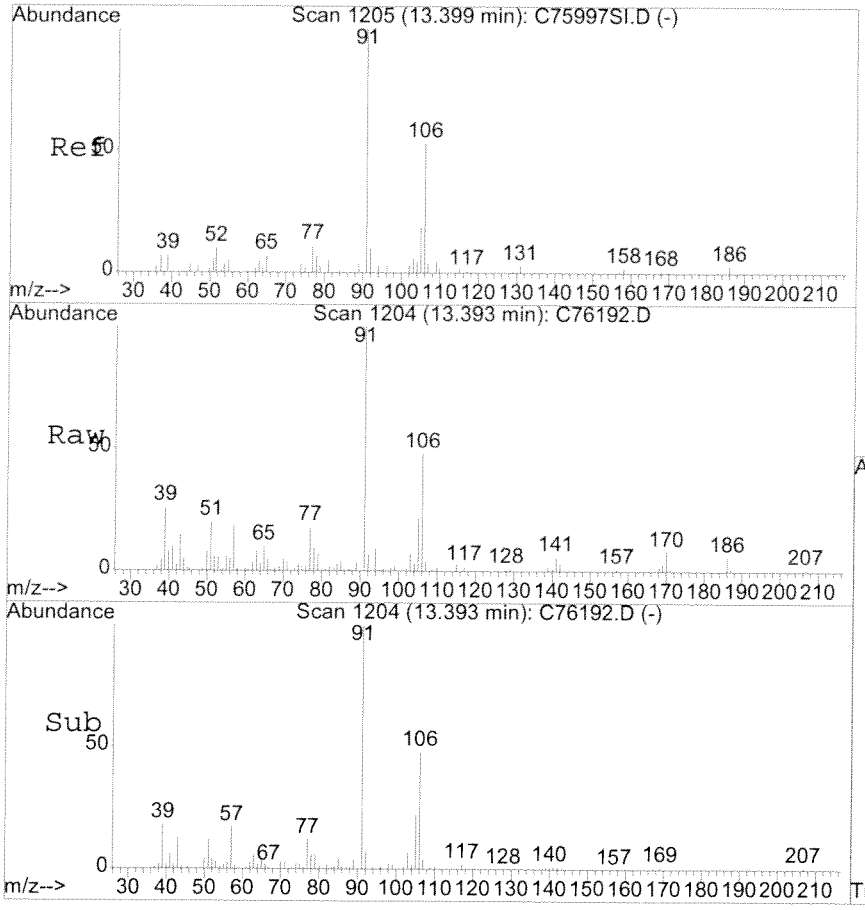
Tgt Ion: 83 Resp: 20747

Ion	Ratio	Lower	Upper
83	100		
55	107.0	80.2	120.4
98	51.7	43.2	64.8

MT



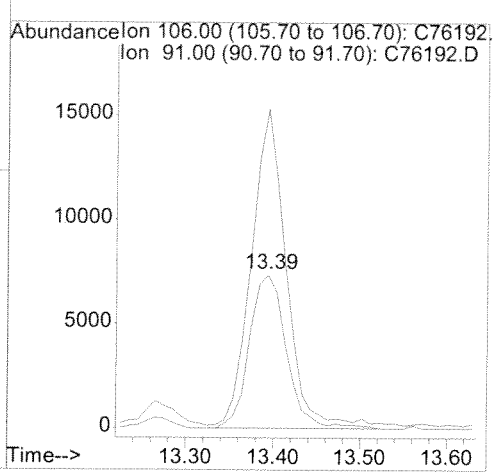
9.14.10

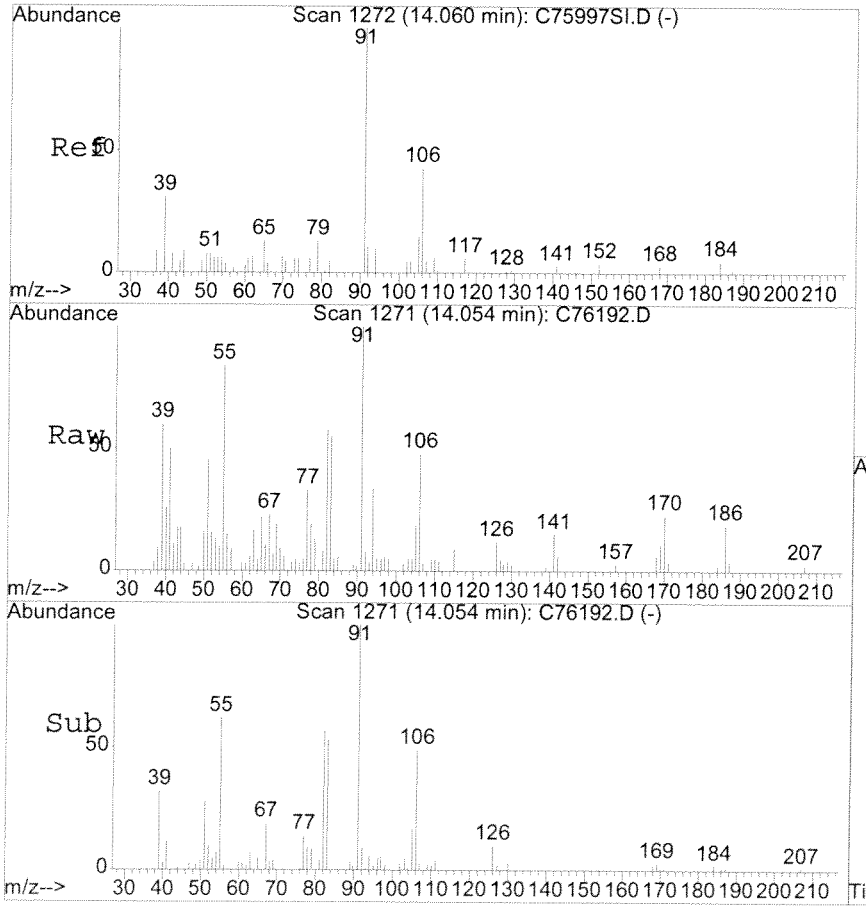


#67 MT 9/14/10
m,p-Xylene
Concen: 1.79 ug/L
RT: 13.39 min Scan# 1204
Delta R.T. 0.02 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion:106 Resp: 21670

Ion	Ratio	Lower	Upper
106	100		
91	206.9	147.7	227.7

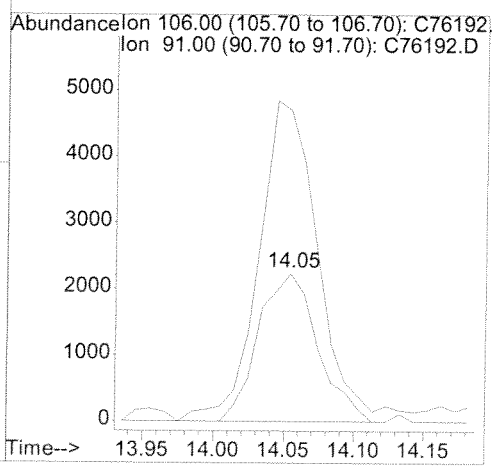




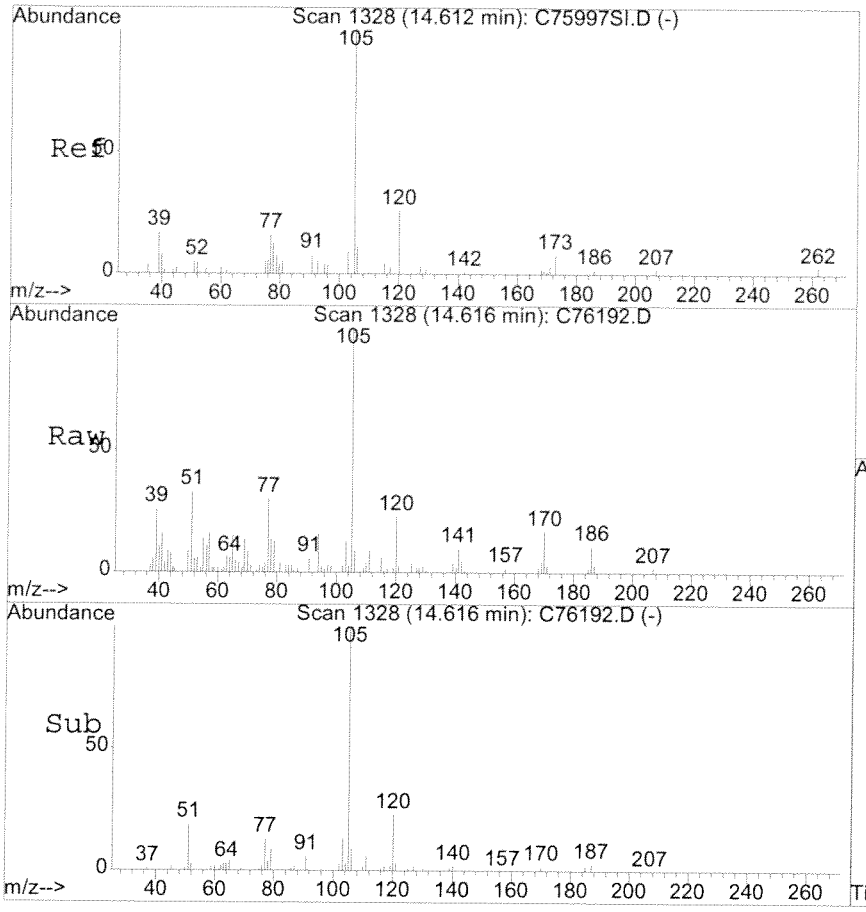
#68
o-Xylene
Concen: 0.56 ug/L
RT: 14.05 min Scan# 1271
Delta R.T. 0.02 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion:106 Resp: 6559

Ion	Ratio	Lower	Upper
106	100		
91	202.5	174.3	214.3



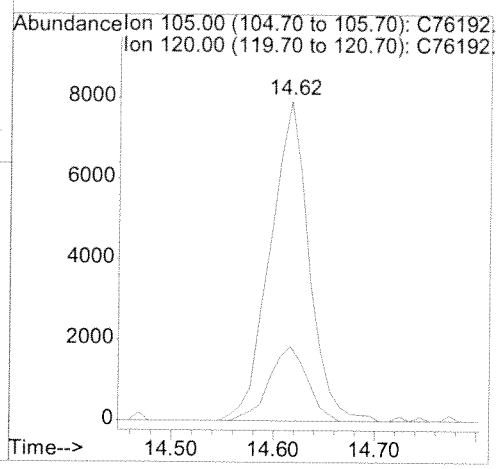
JT 9/14/10

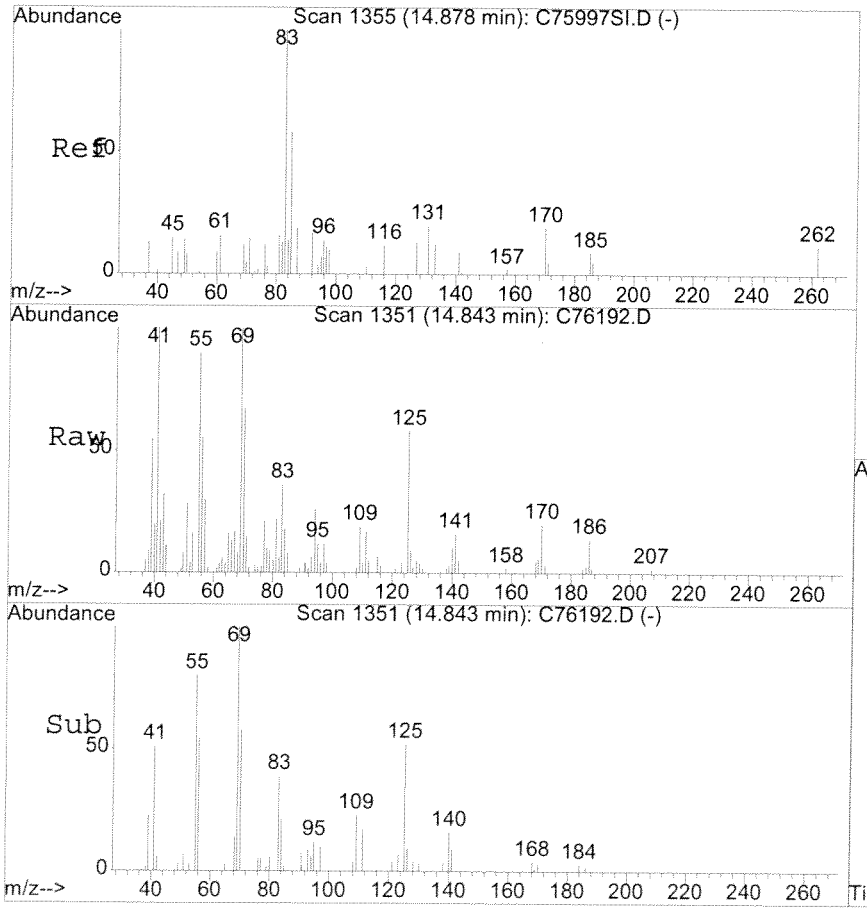


#71 NT 9/14/10
Isopropylbenzene
Concen: 0.70 ug/L
RT: 14.62 min Scan# 1328
Delta R.T. 0.02 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion:105 Resp: 21157

Ion	Ratio	Lower	Upper
105	100		
120	23.1	4.6	44.6

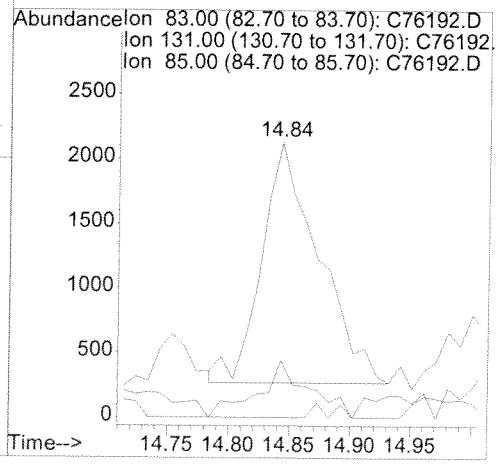


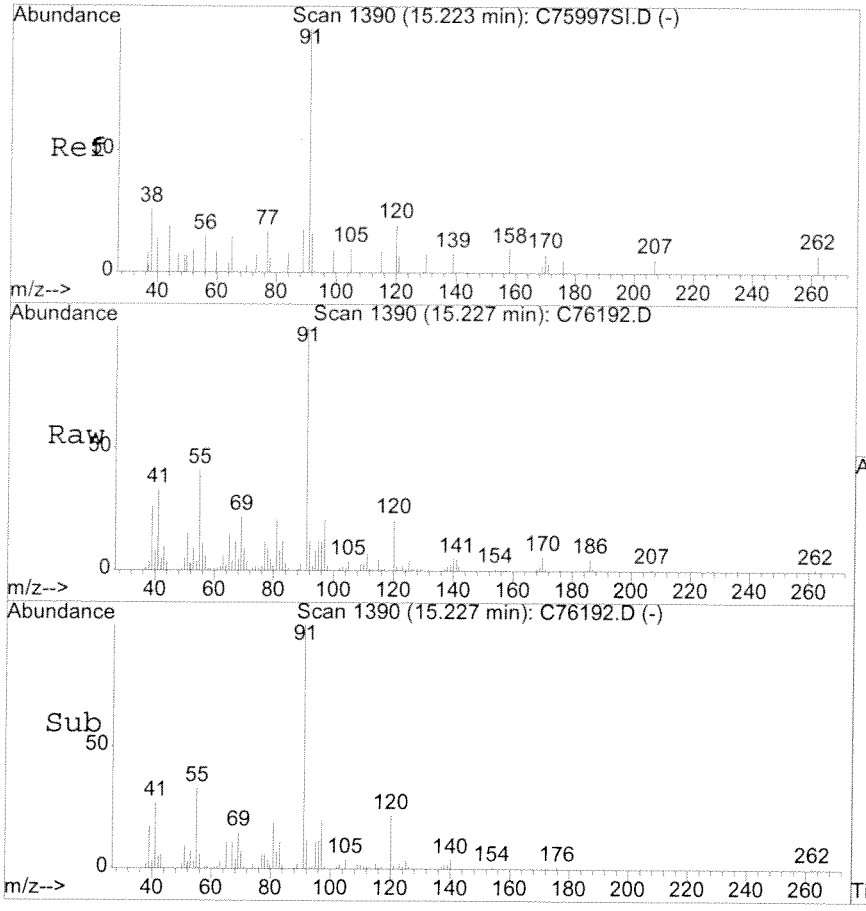


#72
1,1,2,2-Tetrachloroethane
Concen: 0.68 ug/L
RT: 14.84 min Scan# 1351
Delta R.T. -0.02 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion: 83 Resp: 6085

Ion	Ratio	Lower	Upper
83	100		
131	0.0	0.0	18.3
85	23.8	53.1	73.1#



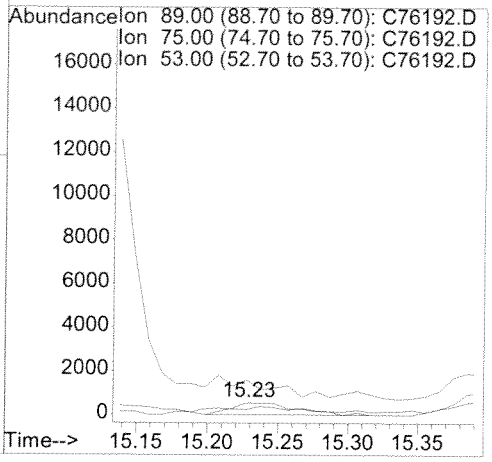


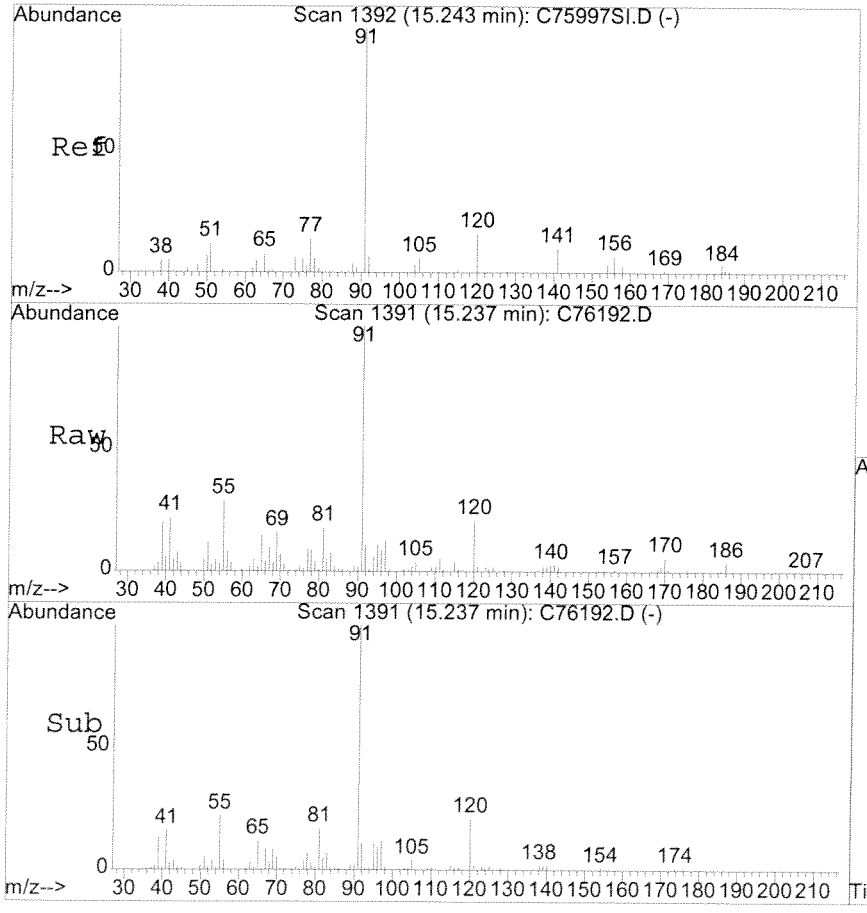
MT 9/14/10

#75
trans-1,4-Dichloro-2-butene
Concen: 0.77 ug/L
RT: 15.23 min Scan# 1390
Delta R.T. 0.02 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion: 89 Resp: 1797

Ion	Ratio	Lower	Upper
89	100		
75	0.0	136.6	204.8#
53	0.0	133.0	199.6#

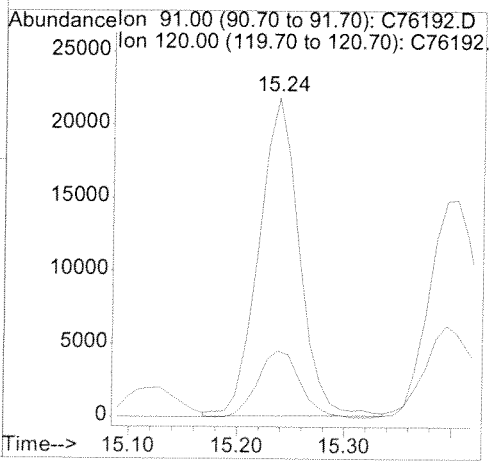




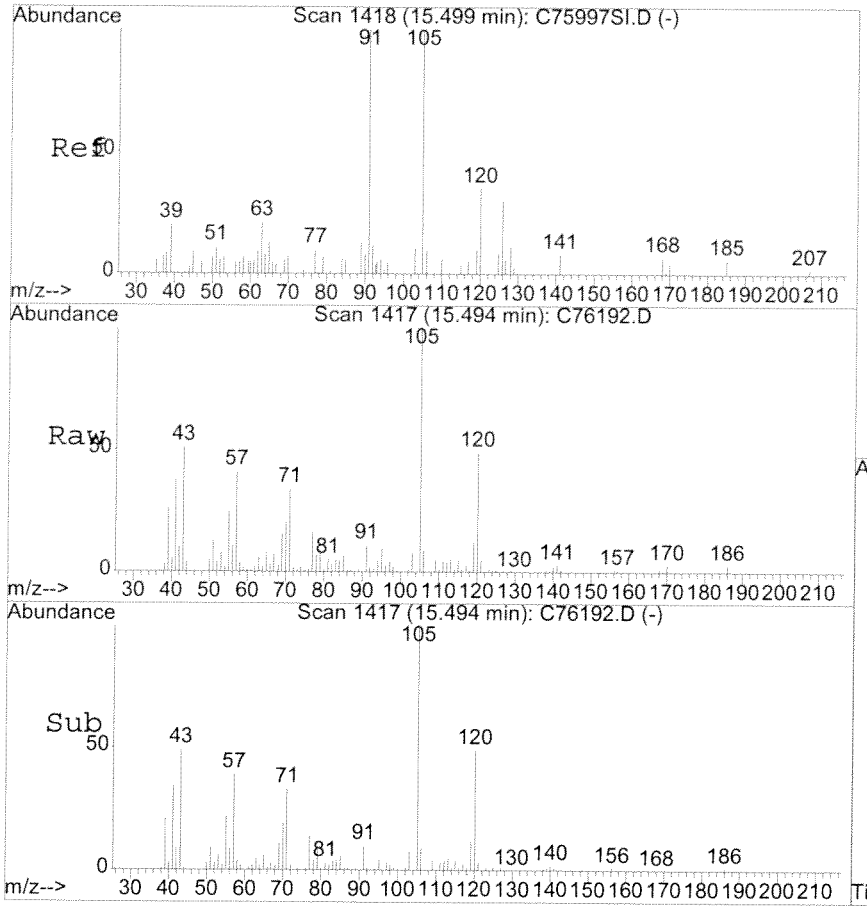
#76
n-Propylbenzene
Concen: 1.60 ug/L
RT: 15.24 min Scan# 1391
Delta R.T. 0.02 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion: 91 Resp: 57036

Ion	Ratio	Lower	Upper
91	100		
120	21.0	2.8	42.8



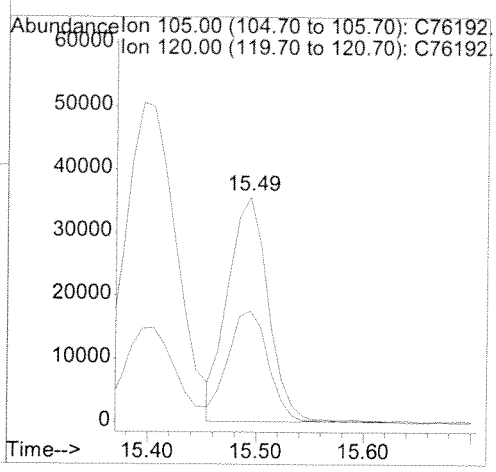
MT 9/14/10

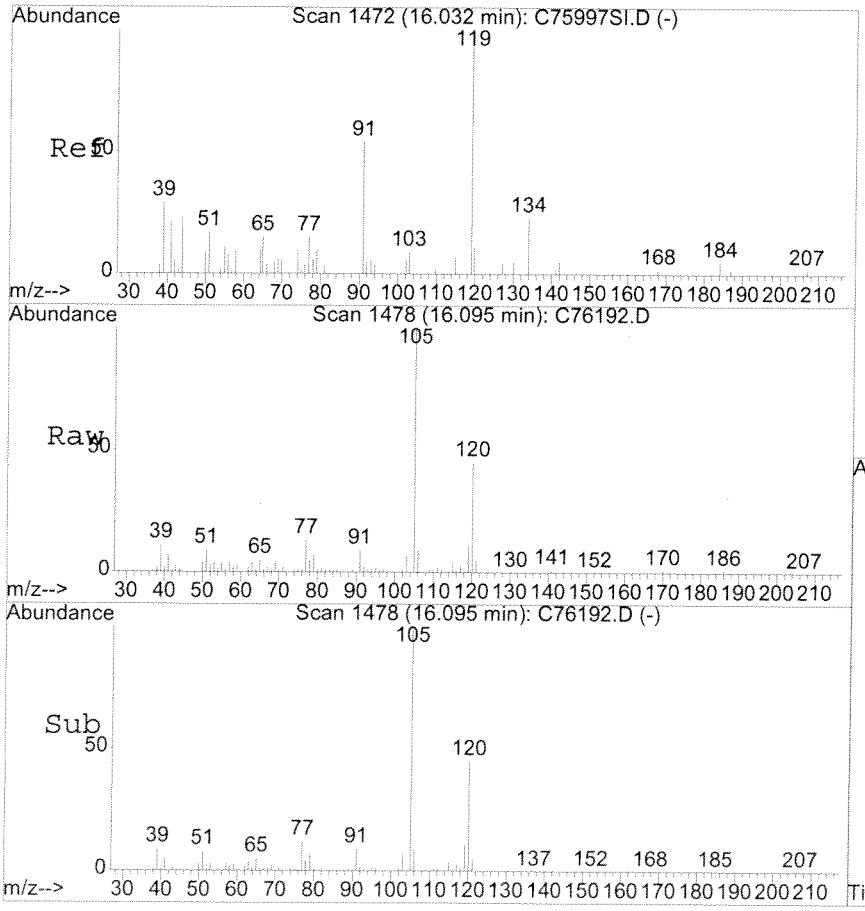


#78
1,3,5-Trimethylbenzene
Concen: 3.87 ug/L
RT: 15.49 min Scan# 1417
Delta R.T. 0.02 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion:105 Resp: 92097

Ion	Ratio	Lower	Upper
105	100		
120	49.2	29.1	69.1

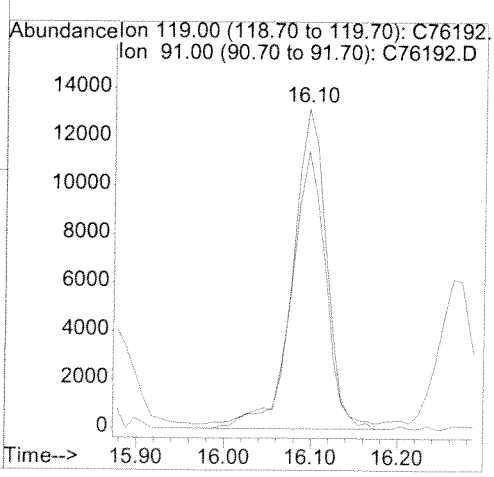




#81
tert-butylbenzene
Concen: 1.69 ug/L
RT: 16.10 min Scan# 1478
Delta R.T. 0.08 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

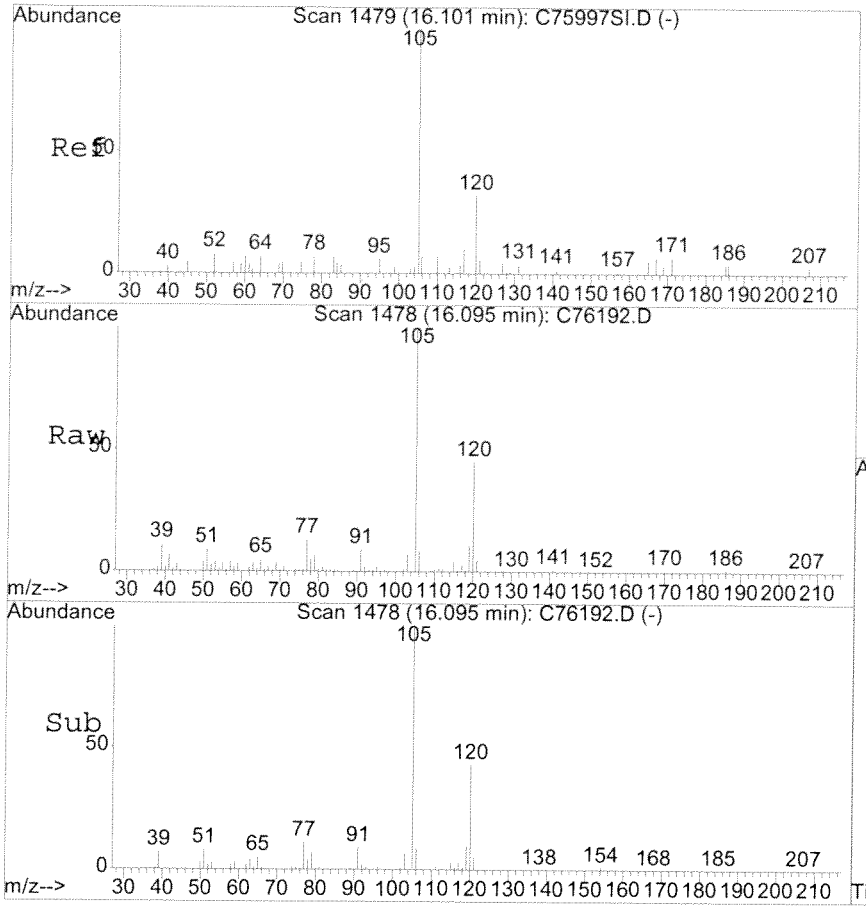
Tgt Ion:119 Resp: 35669

Ion	Ratio	Lower	Upper
119	100		
91	85.1	47.4	87.4



9-14-10

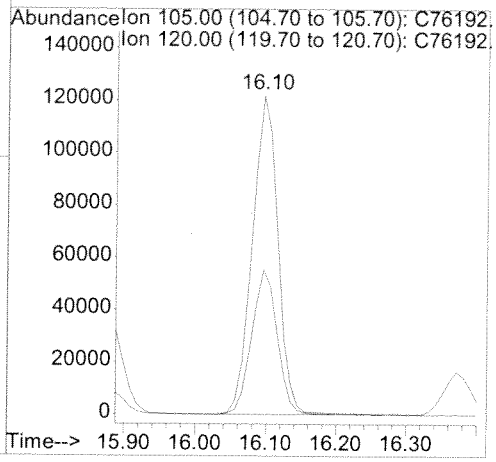
MT 9/14/10

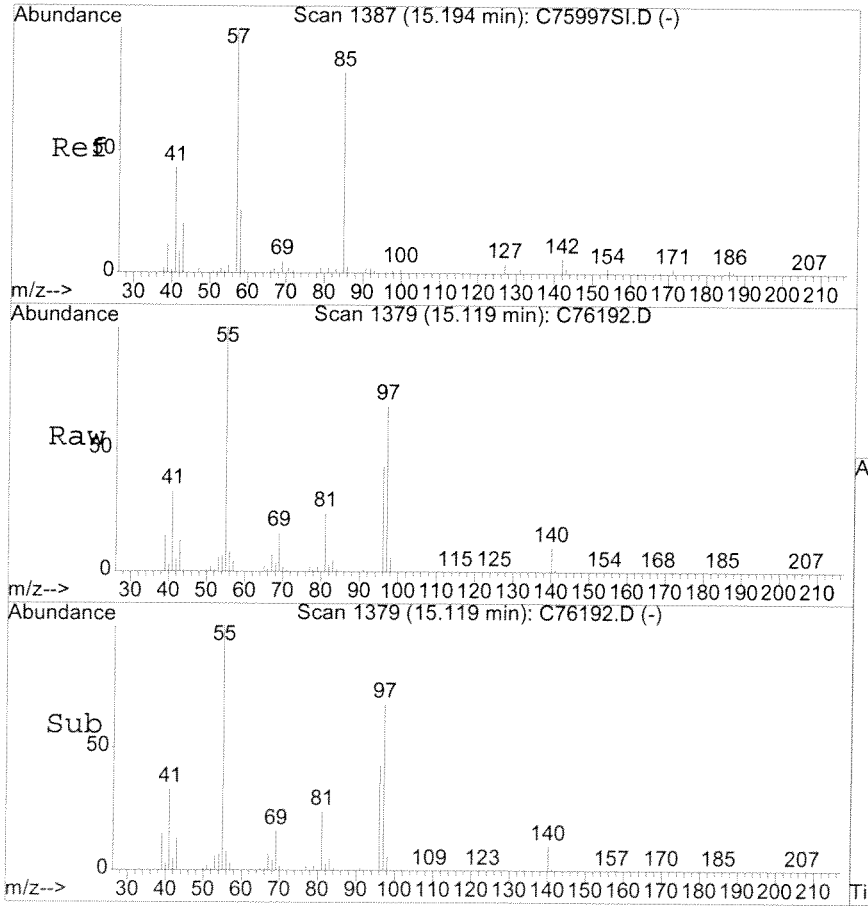


#82
1,2,4-Trimethylbenzene
Concen: 12.12 ug/L
RT: 16.10 min Scan# 1478
Delta R.T. 0.02 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion:105 Resp: 308795

Ion	Ratio	Lower	Upper
105	100		
120	45.4	25.2	65.2

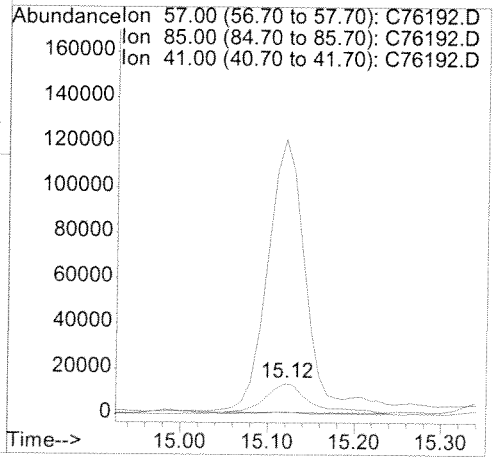




#83
Diisobutylketone
Concen: 2.48 ug/L
RT: 15.12 min Scan# 1379
Delta R.T. -0.06 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

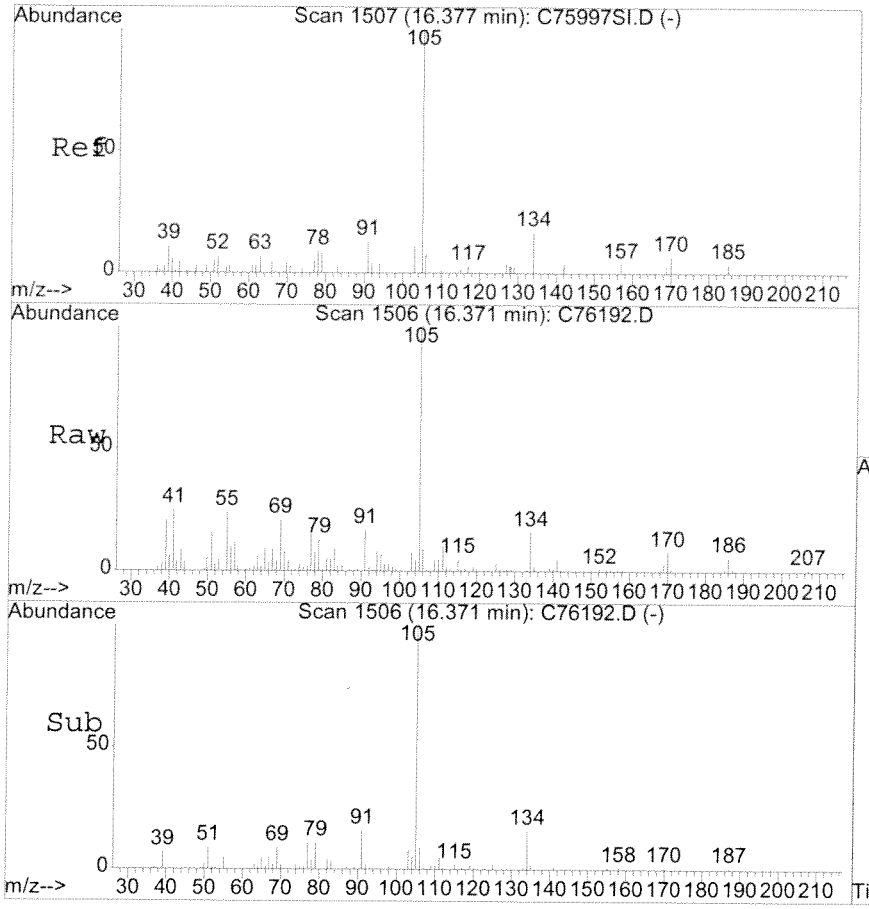
Tgt Ion: 57 Resp: 44650

Ion	Ratio	Lower	Upper
57	100		
85	6.3	63.3	94.9#
41	798.8	36.1	54.1#



5/14/10

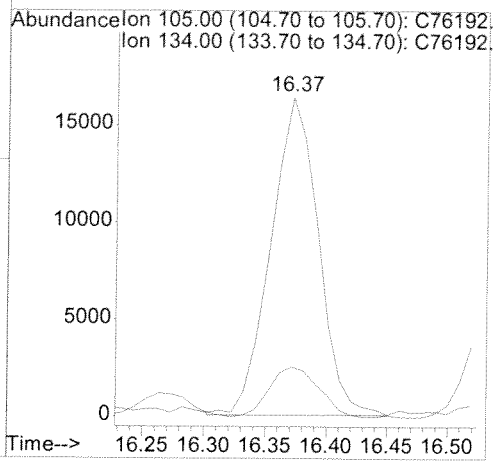
MT 9/14/10

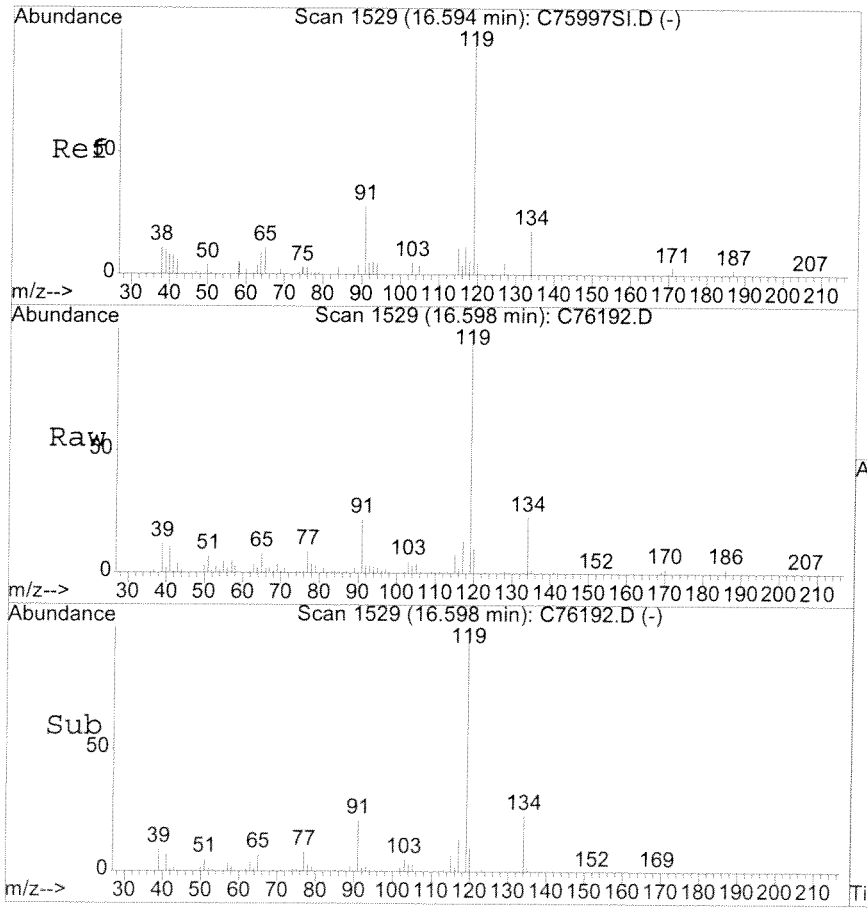


#84
sec-butylbenzene
Concen: 1.31 ug/L
RT: 16.37 min Scan# 1506
Delta R.T. 0.02 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion:105 Resp: 44206

Ion	Ratio	Lower	Upper
105	100		
134	15.2	0.0	36.1

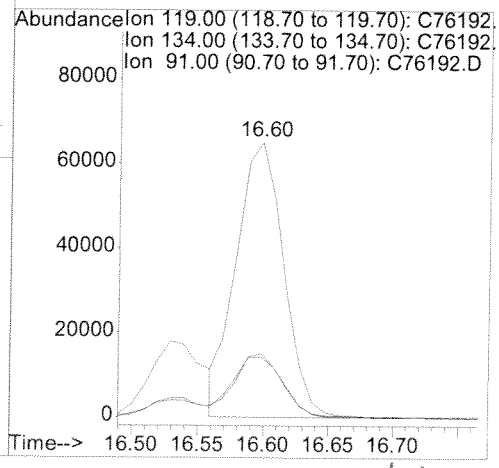




#85
p-isopropyltoluene
Concen: 6.13 ug/L
RT: 16.60 min Scan# 1529
Delta R.T. 0.02 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

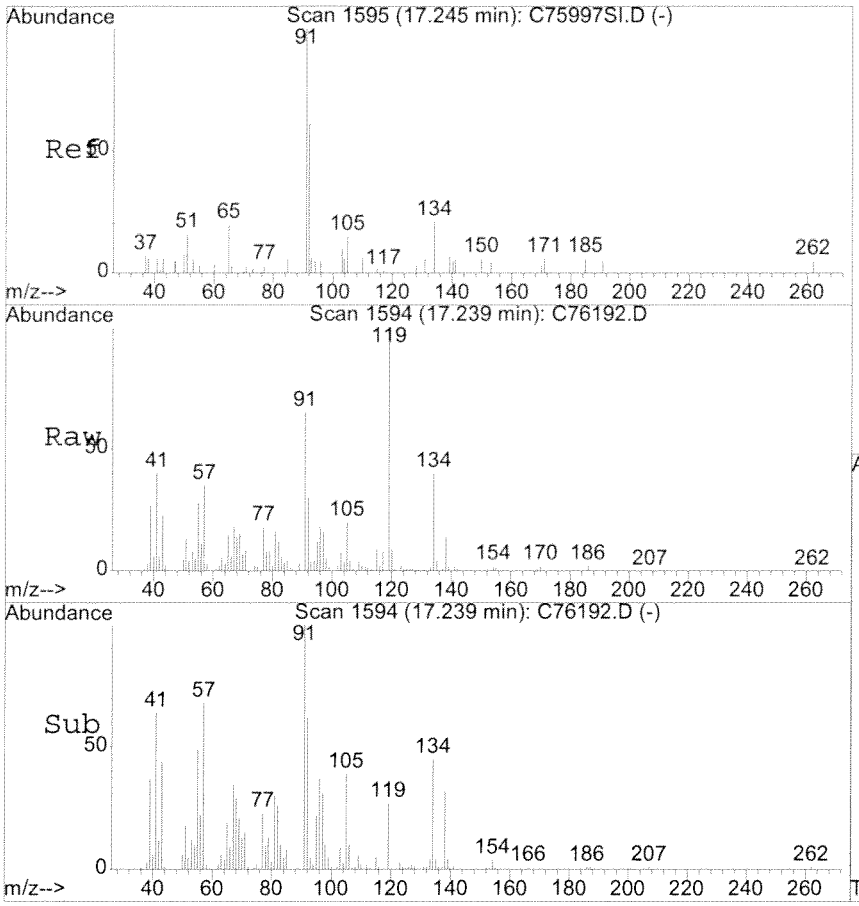
Tgt Ion:119 Resp: 164979

Ion	Ratio	Lower	Upper
119	100		
134	23.2	4.0	44.0
91	21.5	3.7	43.7



9/14/10

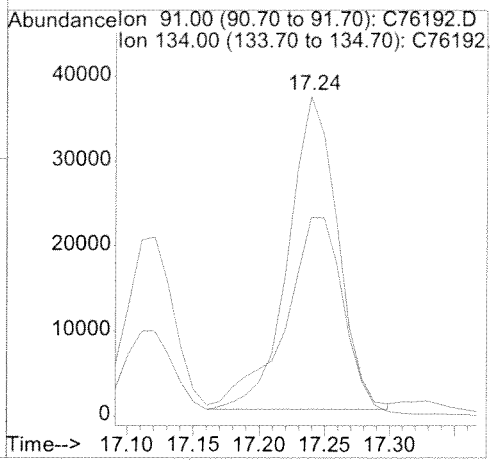
MT 9/14/10

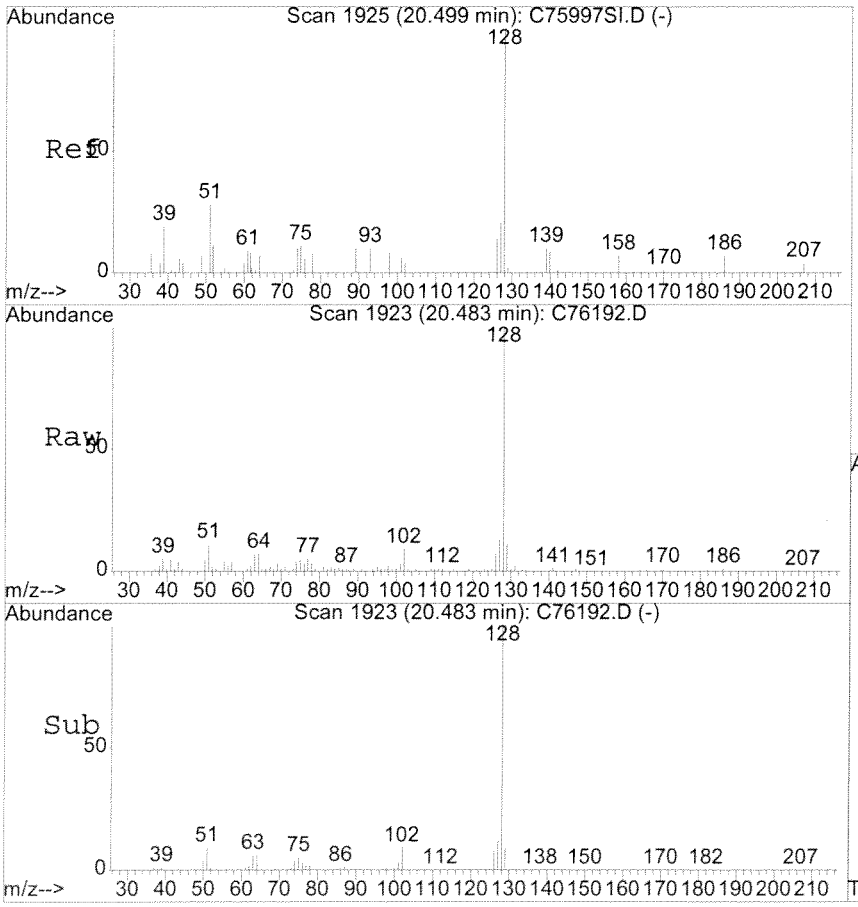


#89
n-butylbenzene
Concen: 3.85 ug/L
RT: 17.24 min Scan# 1594
Delta R.T. 0.02 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion: 91 Resp: 96670

Ion	Ratio	Lower	Upper
91	100		
134	61.8	3.1	43.1#

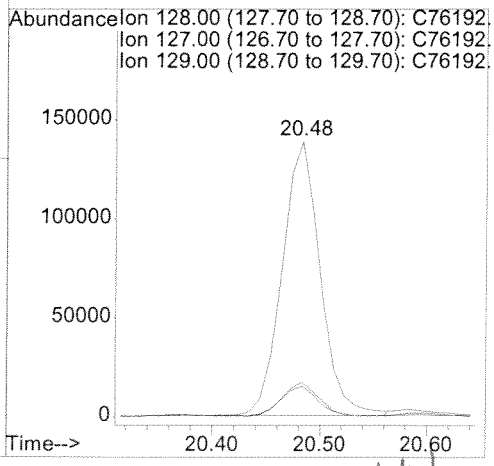




#96
Naphthalene
Concen: 15.98 ug/L
RT: 20.48 min Scan# 1923
Delta R.T. 0.02 min
Lab File: C76192.D
Acq: 13 Sep 2010 5:43 pm

Tgt Ion:128 Resp: 343244

Ion	Ratio	Lower	Upper
128	100		
127	12.3	0.0	32.4
129	10.8	0.0	30.7



JS 9/14/10

VOLATILE
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:VOCQC.doc

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): N

SDG: 67743

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	94		100		98	
LS09130C	95		100		100	
LS09130C2	96		100		101	
MB09130C	89		100		101	
67743-1	85		84		89	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

MT 9/13/10

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: BLK
Spike: LS09130C
Spike duplicate: LS09130C2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	2000	2000	49	82	25	0	1269	63		1353	68		6	
Chloromethane	2000	2000	75	125	25	0	1563	78		1777	89		13	
Vinyl Chloride	2000	2000	75	125	25	0	1538	77		1670	84		8	
Bromomethane	2000	2000	75	125	25	0	1823	91		1883	94		3	
Chloroethane	2000	2000	75	125	25	0	1562	78		1602	80		3	
t-Butyl alcohol (TBA)	10000	10000	60	140	25	0	7923	79		9839	98		22	
Trichlorofluoromethane	2000	2000	75	125	25	0	1669	83		1762	88		5	
Diethyl ether	2000	2000	75	125	25	0	2070	103		2184	109		5	
1,1,2-Trichlorotrifluoroethane	2000	2000	75	125	25	0	1960	98		2055	103		5	
Acetone	5000	5000	75	125	25	0	5997	120		5337	107		12	
1,1-Dichloroethene	2000	2000	75	125	25	0	1942	97		2072	104		7	
Methyl iodide	2000	2000	75	125	25	0	2467	123		2791	140	*	12	
Di-isopropyl ether (DIPE)	2000	2000	75	125	25	0	1874	94		1961	98		5	
Methylene Chloride	2000	2000	75	125	25	0	2024	101		2082	104		3	
Carbon Disulfide	2000	2000	75	125	25	0	1994	100		2118	106		6	
Acrylonitrile	2000	2000	75	125	25	0	1957	98		2028	101		4	
Methyl-tert-butyl ether (MTBE)	2000	2000	75	125	25	0	2156	108		2293	115		6	
trans-1,2-Dichloroethene	2000	2000	75	125	25	0	1949	97		2038	102		4	
1,1-Dichloroethane	2000	2000	75	125	25	0	1983	99		2097	105		6	
Methyl ethyl ketone	5000	5000	60	140	25	0	4792	96		5192	104		8	
Ethyl t-butyl ether (ETBE)	2000	2000	75	125	25	0	1937	97		1997	100		3	
2,2-Dichloropropane	2000	2000	75	125	25	0	2097	105		2329	116		11	
cis-1,2-Dichloroethene	2000	2000	75	125	25	0	1891	95		2021	101		7	
t-Amyl methyl ether (TAME)	2000	2000	75	125	25	0	1874	94		1941	97		4	
Chloroform	2000	2000	75	125	25	0	1866	93		2038	102		9	
Bromochloromethane	2000	2000	75	125	25	0	2157	108		2278	114		5	
Tetrahydrofuran	2000	2000	60	140	25	0	1862	93		2114	106		13	
1,1,1-Trichloroethane	2000	2000	75	125	25	0	1916	96		2081	104		8	
1,1-Dichloropropene	2000	2000	75	125	25	0	1878	94		2010	101		7	
Carbon Tetrachloride	2000	2000	75	125	25	0	2028	101		2181	109		7	
1,2-Dichloroethane	2000	2000	75	125	25	0	1855	93		2065	103		11	
Benzene	2000	2000	75	125	25	0	1876	94		1947	97		4	
Trichloroethene	2000	2000	75	125	25	0	2078	104		2091	105		1	
1,2-Dichloropropane	2000	2000	75	125	25	0	1936	97		2052	103		6	
Methylmethacrylate	2000	2000	75	125	25	0	1815	91		1934	97		6	
Bromodichloromethane	2000	2000	75	125	25	0	1950	98		2071	104		6	
Dibromomethane	2000	2000	75	125	25	0	2200	110		2333	117		6	
2-Hexanone	5000	5000	75	125	25	0	4622	92		4751	95		3	
Methyl isobutyl ketone	5000	5000	75	125	25	0	4730	95		4773	95		1	
cis-1,3-Dichloropropene	2000	2000	75	125	25	0	2004	100		2115	106		5	
Toluene	2000	2000	75	125	25	0	1938	97		1989	99		3	
trans-1,3-Dichloropropene	2000	2000	75	125	25	0	2006	100		2069	103		3	
1,1,2-Trichloroethane	2000	2000	75	125	25	0	2017	101		2112	106		5	
1,3-Dichloropropane	2000	2000	75	125	25	0	1834	92		1917	96		4	
Tetrachloroethene	2000	2000	75	125	25	0	1682	84		1729	86		3	
Dibromochloromethane	2000	2000	75	125	25	0	1891	95		2001	100		6	
1,2-Dibromoethane	2000	2000	75	125	25	0	1831	92		1914	96		4	
Chlorobenzene	2000	2000	75	125	25	0	1889	94		1915	96		1	
1,1,1,2-Tetrachloroethane	2000	2000	75	125	25	0	1918	96		1969	98		3	
Ethylbenzene	2000	2000	75	125	25	0	1886	94		1893	95		0	

NO 9/14

VOA FORM 3

9-2010

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

MT 9/13/10

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: BLK
Spike: LS09130C
Spike duplicate: LS09130C2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
m,p-Xylene	4000	4000	75	125	25	0	3803	95		3829	96		1	
o-Xylene	2000	2000	75	125	25	0	1917	96		1948	97		2	
Styrene	2000	2000	75	125	25	0	1921	96		1952	98		2	
Bromoform	2000	2000	75	125	25	0	1938	97		1954	98		1	
Isopropylbenzene	2000	2000	75	125	25	0	1905	95		1935	97		2	
1,1,2,2-Tetrachloroethane	2000	2000	75	125	25	0	1811	91		1885	94		4	
1,2,3-Trichloropropane	2000	2000	75	125	25	0	1946	97		2045	102		5	
trans-1,4-Dichloro-2-butene	2000	2000	75	125	25	0	2070	103		2115	106		2	
n-Propylbenzene	2000	2000	75	125	25	0	1887	94		1927	96		2	
Bromobenzene	2000	2000	75	125	25	0	1957	98		1994	100		2	
1,3,5-Trimethylbenzene	2000	2000	75	125	25	0	1940	97		1990	99		3	
2-Chlorotoluene	2000	2000	75	125	25	0	1966	98		2062	103		5	
4-Chlorotoluene	2000	2000	75	125	25	0	1922	96		1976	99		3	
tert-butylbenzene	2000	2000	75	125	25	0	1946	97		1946	97		0	
1,2,4-Trimethylbenzene	2000	2000	75	125	25	0	1894	95		1960	98		3	
sec-butylbenzene	2000	2000	75	125	25	0	1910	96		1955	98		2	
p-isopropyltoluene	2000	2000	75	125	25	0	1884	94		1973	99		5	
1,3-Dichlorobenzene	2000	2000	75	125	25	0	1897	95		1988	99		5	
1,4-Dichlorobenzene	2000	2000	75	125	25	0	1877	94		1891	95		1	
n-butylbenzene	2000	2000	75	125	25	0	1908	95		1900	95		0	
1,2-Dichlorobenzene	2000	2000	75	125	25	0	1920	96		1945	97		1	
1,2-Dibromo-3-chloropropane	2000	2000	75	125	25	0	1771	89		1849	92		4	
1,2,4-Trichlorobenzene	2000	2000	75	125	25	0	1926	96		1915	96		1	
Hexachlorobutadiene	2000	2000	75	125	25	0	1912	96		1900	95		1	
Naphthalene	2000	2000	75	125	25	0	1898	95		1921	96		1	
1,2,3-Trichlorobenzene	2000	2000	75	125	25	0	1922	96		1910	95		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 09-2010

VOA FORM 3

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76181Q.D Vial: 10
Acq On : 13 Sep 2010 11:41 am Operator: MT
Sample : LS09130C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

* Added Surr to 10mL MeOH in vial.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	216243	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.57	114	423790	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.11	117	367658 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.82	152	161114	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.96	65	81436	9.91 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~49.55%~~#	99%
36) d4-1,2-Dichloroethane	7.96	65	81538	9.92 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~49.60%~~#	99%
54) d8-Toluene	10.83	98	242306	10.37 ug/L	0.00 *
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~51.85%~~#	104%
73) Bromofluorobenzene	14.98	95	92093	10.64 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~53.20%~~#	106%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.66	85	103888	12.69 ug/L	99
3) Chloromethane	1.95	50	171970	15.63 ug/L	99
4) Vinyl Chloride	1.99	62	127373	15.38 ug/L	99
5) Bromomethane	2.45	94	120791	18.23 ug/L	94
6) Chloroethane	2.54	64	97865	15.62 ug/L	100
7) t-Butyl alcohol (TBA)	3.95	59	61745	79.23 ug/L #	79
8) Trichlorofluoromethane	2.86	101	212081	16.69 ug/L	96
9) Diethyl ether	3.30	74	70582	20.70 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.47	101	137721	19.60 ug/L	95
12) Acetone	3.57	43	171956	59.97 ug/L	100
13) 1,1-Dichloroethene	3.70	96	126894	19.42 ug/L	97
14) Methyl iodide	4.14	142	147467	24.67 ug/L	99
15) Di-isopropyl ether (DIPE)	5.55	45	601386	18.74 ug/L	98
16) Methylene Chloride	4.47	84	151616	20.24 ug/L	98
17) Carbon Disulfide	4.43	76	440717	19.94 ug/L	100
18) Acrylonitrile	4.71	53	68239	19.57 ug/L	97
19) Methyl-tert-butyl ether (M	4.80	73	325864	21.56 ug/L	95
20) trans-1,2-Dichloroethene	4.96	61	216876	19.49 ug/L	95
21) 1,1-Dichloroethane	5.65	63	256709	19.83 ug/L	98
23) Methyl ethyl ketone	6.39	72	37117	47.92 ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.21	59	455774	19.37 ug/L	99
25) 2,2-Dichloropropane	6.56	77	175733	20.97 ug/L	90
26) cis-1,2-Dichloroethene	6.62	96	150770	18.91 ug/L	99
27) t-Amyl methyl ether (TAME)	7.95	73	362422	18.74 ug/L	99
29) Chloroform	6.88	83	244473	18.66 ug/L	100
30) Bromochloromethane	7.10	128	74040	21.57 ug/L	88

(#) = qualifier out of range (m) = manual integration

9-2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76181Q.D Vial: 10
Acq On : 13 Sep 2010 11:41 am Operator: MT
Sample : LS09130C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.22	71	16998	18.62 ug/L	87
32) 1,1,1-Trichloroethane	7.50	97	195753	19.16 ug/L	96
34) 1,1-Dichloropropene	7.72	75	192223	18.78 ug/L	99
35) Carbon Tetrachloride	7.87	119	123520	20.28 ug/L	92
37) 1,2-Dichloroethane	8.10	62	181821	18.55 ug/L	98
38) Benzene	8.11	78	498898	18.76 ug/L	99
40) Trichloroethene	9.04	95	155324	20.78 ug/L	99
41) 1,2-Dichloropropane	9.31	63	143216	19.36 ug/L	96
42) Methylmethacrylate	9.45	69	97058	18.15 ug/L	97
43) Methyl acetate	4.30	43	16481	0.92 ug/L #	89
45) Bromodichloromethane	9.66	83	168022	19.50 ug/L	94
46) Dibromomethane	9.72	93	105233	22.00 ug/L	98
51) 2-Hexanone	11.52	58	141563	46.22 ug/L	99
52) Methyl isobutyl ketone	10.21	58	148491	47.30 ug/L	99
53) cis-1,3-Dichloropropene	10.48	75	228188	20.04 ug/L	99
55) Toluene	10.95	92	317278	19.38 ug/L	97
56) trans-1,3-Dichloropropene	11.24	75	214752	20.06 ug/L	97
58) 1,1,2-Trichloroethane	11.47	83	106888	20.17 ug/L	98
59) 1,3-Dichloropropane	11.85	76	211332	18.34 ug/L	99
60) Tetrachloroethene	11.93	166	131660	16.82 ug/L	96
61) Dibromochloromethane	12.22	129	148931	18.91 ug/L	99
62) 1,2-Dibromoethane	12.52	107	149311	18.31 ug/L	99
64) Chlorobenzene	13.17	112	361221	18.89 ug/L	98
65) 1,1,1,2-Tetrachloroethane	13.24	131	126792	19.18 ug/L	95
66) Ethylbenzene	13.26	91	564020	18.86 ug/L	100
67) m,p-Xylene	13.38	106	463904	38.03 ug/L	97
68) o-Xylene	14.04	106	225708	19.17 ug/L	100
69) Styrene	14.09	104	395919	19.21 ug/L	99
70) Bromoform	14.59	173	88448	19.38 ug/L	98
71) Isopropylbenzene	14.61	105	584350	19.05 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.87	83	164321	18.11 ug/L	99
74) 1,2,3-Trichloropropane	15.09	75	121493	19.46 ug/L	99
75) trans-1,4-Dichloro-2-buten	15.22	89	48605	20.70 ug/L #	77
76) n-Propylbenzene	15.23	91	681257	18.87 ug/L	100
77) Bromobenzene	15.26	156	135068	19.57 ug/L	98
78) 1,3,5-Trimethylbenzene	15.48	105	465737	19.40 ug/L	97
79) 2-Chlorotoluene	15.48	91	431145	19.66 ug/L	99
80) 4-Chlorotoluene	15.56	91	398433	19.22 ug/L	99
81) tert-butylbenzene	16.03	119	414307	19.46 ug/L	99
82) 1,2,4-Trimethylbenzene	16.09	105	487285	18.94 ug/L	99
84) sec-butylbenzene	16.36	105	649015	19.10 ug/L	100

(#) = qualifier out of range (m) = manual integration

9-2010

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76181Q.D Vial: 10
Acq On : 13 Sep 2010 11:41 am Operator: MT
Sample : LS09130C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85) p-isopropyltoluene	16.59	119	512303	18.84 ug/L	99
86) 1,3-Dichlorobenzene	16.71	146	238230	18.97 ug/L	97
88) 1,4-Dichlorobenzene	16.87	146	242956	18.77 ug/L	97
89) n-butylbenzene	17.23	91	481062	19.08 ug/L	99
90) 1,2-Dichlorobenzene	17.45	146	223251	19.20 ug/L	97
92) 1,2-Dibromo-3-chloropropan	18.68	75	26409	17.71 ug/L	93
94) 1,2,4-Trichlorobenzene	20.09	180	170890	19.26 ug/L	95
95) Hexachlorobutadiene	20.34	225	84202	19.12 ug/L	95
96) Naphthalene	20.47	128	408979	18.98 ug/L	100
97) 1,2,3-Trichlorobenzene	20.89	180	151197	19.22 ug/L	98

9-2010

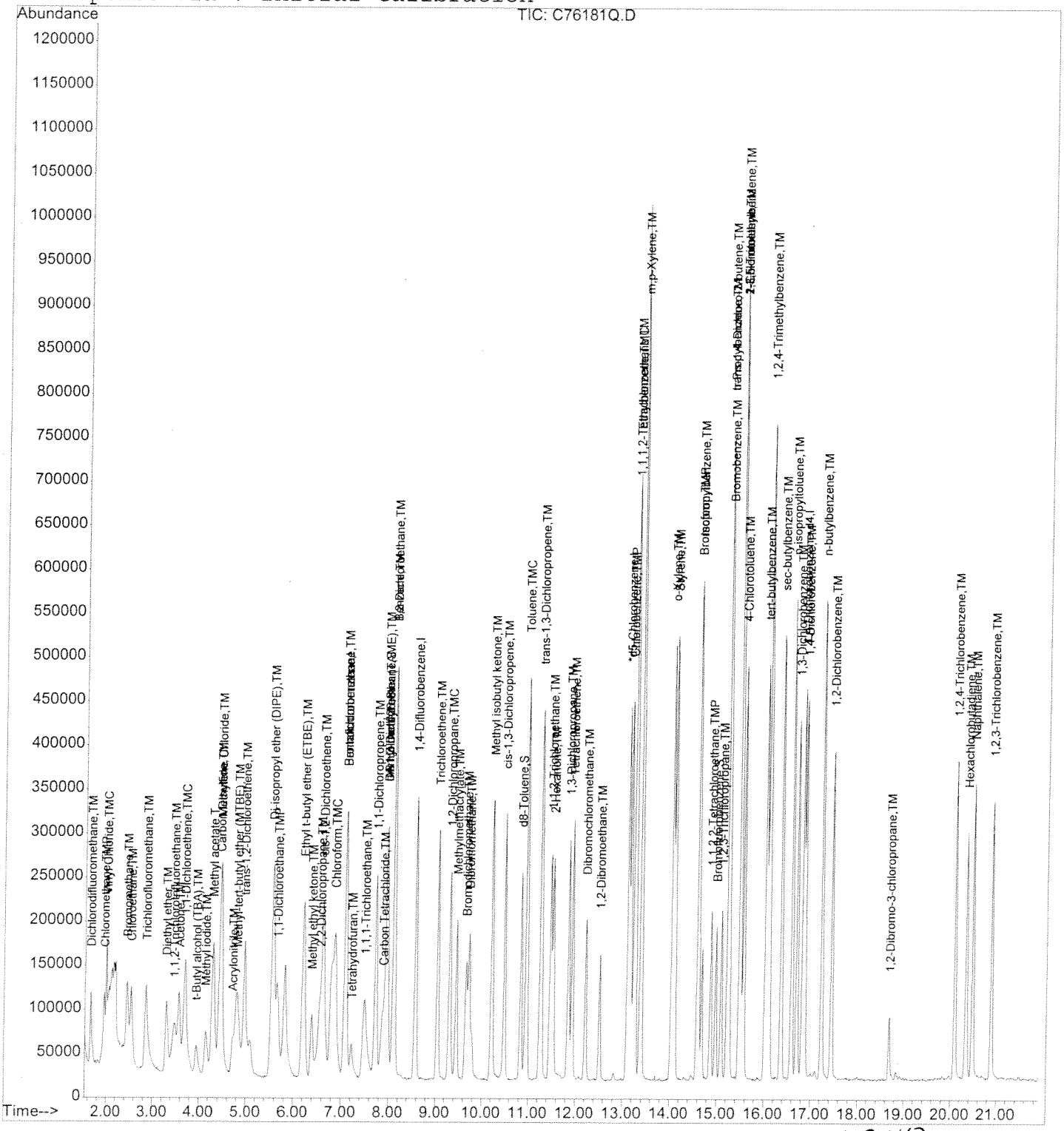
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76181Q.D Vial: 10
Acq On : 13 Sep 2010 11:41 am Operator: MT
Sample : LS09130C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/13/10



JY 2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76182Q.D Vial: 11
Acq On : 13 Sep 2010 12:20 pm Operator: MT
Sample : LS09130C2 Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

*Added Sul surr to 10mL MeOH in vial.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	211513	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.58	114	425087	20.00 ug/L	0.02
63) *d5-Chlorobenzene	13.10	117	378482 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.82	152	171418	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.96	65	81169	10.10 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~50.50%#~~	101%
36) d4-1,2-Dichloroethane	7.96	65	82007	10.20 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~51.00%#~~	102%
54) d8-Toluene	10.84	98	243724	10.40 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~52.00%#~~	104%
73) Bromofluorobenzene	14.98	95	93458	10.49 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	~~52.45%#~~	105%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.67	85	108391	13.53 ug/L	98
3) Chloromethane	1.95	50	191028	17.77 ug/L	99
4) Vinyl Chloride	2.00	62	135272	16.70 ug/L	97
5) Bromomethane	2.43	94	122167	18.83 ug/L	100
6) Chloroethane	2.53	64	98186	16.02 ug/L	94
7) t-Butyl alcohol (TBA)	3.98	59	74995	98.39 ug/L #	84
8) Trichlorofluoromethane	2.85	101	219038	17.62 ug/L	97
9) Diethyl ether	3.30	74	72834	21.84 ug/L	97
10) 1,1,2-Trichlorotrifluoroet	3.46	101	141204	20.55 ug/L	96
12) Acetone	3.58	43	150740	53.37 ug/L	99
13) 1,1-Dichloroethene	3.69	96	132479	20.72 ug/L	98
14) Methyl iodide	4.15	142	163293	27.91 ug/L	97
15) Di-isopropyl ether (DIPE)	5.56	45	615406	19.61 ug/L	99
16) Methylene Chloride	4.47	84	152358	20.82 ug/L	96
17) Carbon Disulfide	4.43	76	457861	21.18 ug/L	98
18) Acrylonitrile	4.71	53	69157	20.28 ug/L	96
19) Methyl-tert-butyl ether (M	4.80	73	339033	22.93 ug/L	99
20) trans-1,2-Dichloroethene	4.96	61	221750	20.38 ug/L	96
21) 1,1-Dichloroethane	5.66	63	265298	20.97 ug/L	97
23) Methyl ethyl ketone	6.40	72	39332	51.92 ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.21	59	459525	19.97 ug/L	99
25) 2,2-Dichloropropane	6.57	77	190944	23.29 ug/L	87
26) cis-1,2-Dichloroethene	6.62	96	157585	20.21 ug/L	93
27) t-Amyl methyl ether (TAME)	7.95	73	367219	19.41 ug/L	100
29) Chloroform	6.87	83	261070	20.38 ug/L	98
30) Bromochloromethane	7.11	128	76338	22.78 ug/L	99

(#) = qualifier out of range (m) = manual integration JG 2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76182Q.D Vial: 11
Acq On : 13 Sep 2010 12:20 pm Operator: MT
Sample : LS09130C2 Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.23	71	18675	21.14 ug/L	98
32) 1,1,1-Trichloroethane	7.49	97	207937	20.81 ug/L	97
34) 1,1-Dichloropropene	7.72	75	201276	20.10 ug/L	98
35) Carbon Tetrachloride	7.87	119	129921	21.81 ug/L	89
37) 1,2-Dichloroethane	8.10	62	197946	20.65 ug/L	99
38) Benzene	8.10	78	506473	19.47 ug/L	98
40) Trichloroethene	9.04	95	156779	20.91 ug/L	97
41) 1,2-Dichloropropane	9.31	63	152275	20.52 ug/L	98
42) Methylmethacrylate	9.45	69	103742	19.34 ug/L	98
45) Bromodichloromethane	9.65	83	178971	20.71 ug/L	99
46) Dibromomethane	9.72	93	111380	23.33 ug/L	95
47) 1,4-Dioxane	9.73	88	3392	36.74 ug/L	98
51) 2-Hexanone	11.53	58	145959	47.51 ug/L	99
52) Methyl isobutyl ketone	10.21	58	150281	47.73 ug/L	98
53) cis-1,3-Dichloropropene	10.48	75	241526	21.15 ug/L	99
55) Toluene	10.95	92	326649	19.89 ug/L	100
56) trans-1,3-Dichloropropene	11.25	75	222180	20.69 ug/L	95
58) 1,1,2-Trichloroethane	11.47	83	112276	21.12 ug/L	96
59) 1,3-Dichloropropane	11.85	76	221544	19.17 ug/L	99
60) Tetrachloroethene	11.93	166	135734	17.29 ug/L	99
61) Dibromochloromethane	12.22	129	158104	20.01 ug/L	95
62) 1,2-Dibromoethane	12.52	107	156513	19.14 ug/L	99
64) Chlorobenzene	13.16	112	376839	19.15 ug/L	98
65) 1,1,1,2-Tetrachloroethane	13.24	131	133972	19.69 ug/L	99
66) Ethylbenzene	13.26	91	582977	18.93 ug/L	98
67) m,p-Xylene	13.38	106	480819	38.29 ug/L	100
68) o-Xylene	14.04	106	236087	19.48 ug/L	98
69) Styrene	14.10	104	414214	19.52 ug/L	99
70) Bromoform	14.58	173	91860	19.54 ug/L	100
71) Isopropylbenzene	14.60	105	611153	19.35 ug/L	100
72) 1,1,2,2-Tetrachloroethane	14.87	83	176085	18.85 ug/L	97
74) 1,2,3-Trichloropropane	15.10	75	131167	20.45 ug/L	100
75) trans-1,4-Dichloro-2-buten	15.22	89	51126	21.15 ug/L #	79
76) n-Propylbenzene	15.23	91	715988	19.27 ug/L	100
77) Bromobenzene	15.26	156	141658	19.94 ug/L	96
78) 1,3,5-Trimethylbenzene	15.48	105	491627	19.90 ug/L	97
79) 2-Chlorotoluene	15.48	91	465571	20.62 ug/L	97
80) 4-Chlorotoluene	15.56	91	421754	19.76 ug/L	99
81) tert-butylbenzene	16.03	119	426454	19.46 ug/L	99
82) 1,2,4-Trimethylbenzene	16.09	105	518911	19.60 ug/L	98
84) sec-butylbenzene	16.37	105	683764	19.55 ug/L	98

(#) = qualifier out of range (m) = manual integration

9-2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76182Q.D Vial: 11
Acq On : 13 Sep 2010 12:20 pm Operator: MT
Sample : LS09130C2 Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85) p-isopropyltoluene	16.59	119	552150	19.73 ug/L	98
86) 1,3-Dichlorobenzene	16.70	146	257062	19.88 ug/L	99
88) 1,4-Dichlorobenzene	16.87	146	260438	18.91 ug/L	98
89) n-butylbenzene	17.24	91	509737	19.00 ug/L	99
90) 1,2-Dichlorobenzene	17.44	146	240657	19.45 ug/L	96
92) 1,2-Dibromo-3-chloropropan	18.69	75	29282	18.49 ug/L	86
94) 1,2,4-Trichlorobenzene	20.10	180	180791	19.15 ug/L	96
95) Hexachlorobutadiene	20.33	225	89062	19.00 ug/L	94
96) Naphthalene	20.48	128	440396	19.21 ug/L	99
97) 1,2,3-Trichlorobenzene	20.88	180	159899	19.10 ug/L	97

9-9-2010

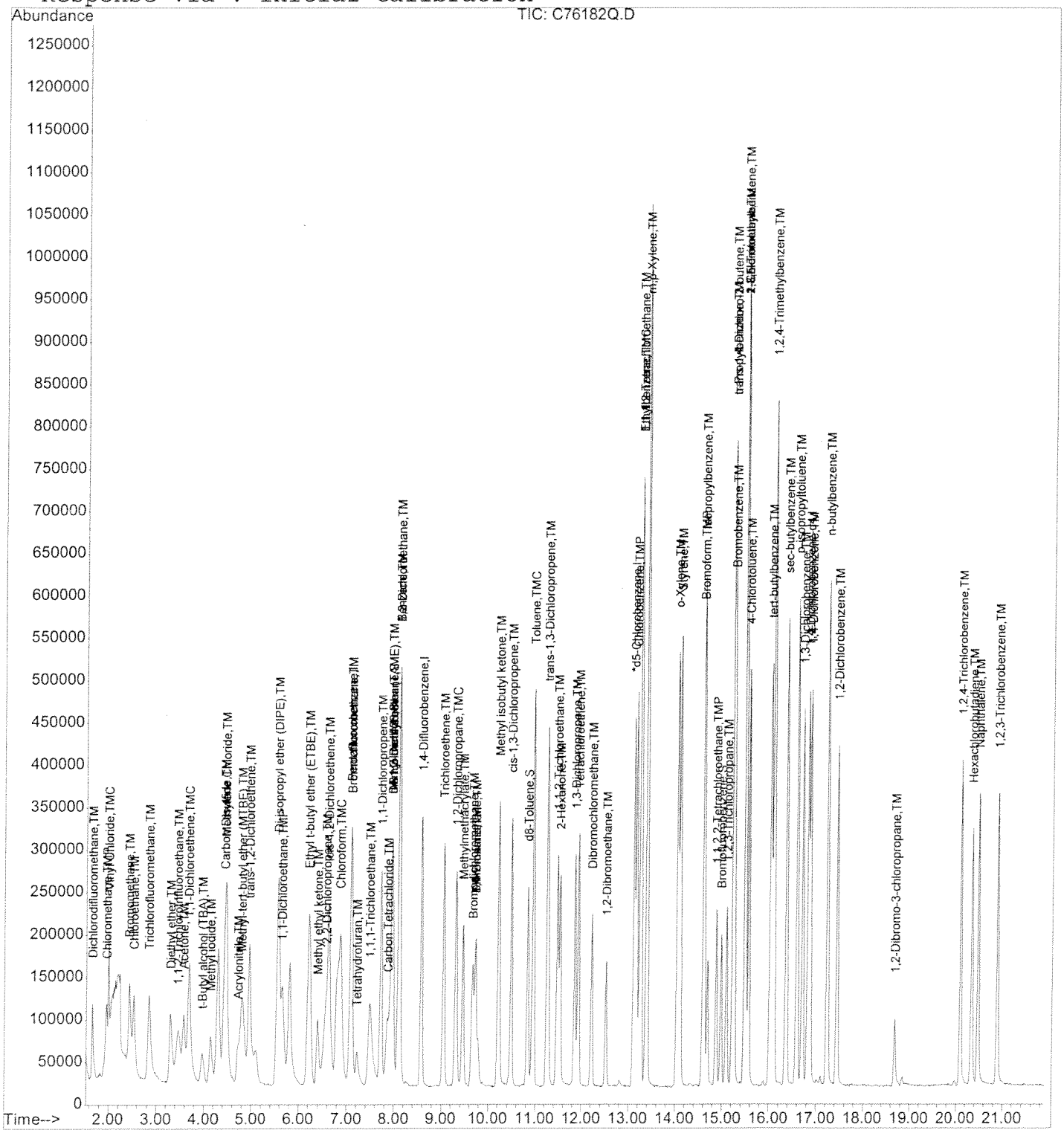
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76182Q.D Vial: 11
Acq On : 13 Sep 2010 12:20 pm Operator: MT
Sample : LS09130C2 Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 13:00 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/13/10



VOLATILE ORGANIC SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

MT 9/14/10

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: 67722-2
Spike: 67722-2,MS
Spike duplicate: 67722-2,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	1099	1102	49	82	25	0	596	54		579	53		3	
Chloromethane	1099	1102	75	125	25	0	790	72	* M	867	79		9	
Vinyl Chloride	1099	1102	75	125	25	0	803	73	* M	797	72	* M	1	
Bromomethane	1099	1102	75	125	25	0	836	76		864	78		3	
Chloroethane	1099	1102	75	125	25	0	914	83		779	71	* M	16	
t-Butyl alcohol (TBA)	5495	5512	60	140	25	0	4303	78		4773	87		10	
Trichlorofluoromethane	1099	1102	75	125	25	0	868	79		874	79		0	
Diethyl ether	1099	1102	75	125	25	0	1087	99		1138	103		4	
1,1,2-Trichlorotrifluoroethane	1099	1102	75	125	25	0	1030	94		1026	93		1	
Acetone	2748	2756	75	125	25	0	2366	86		2628	95		10	
1,1-Dichloroethene	1099	1102	75	125	25	0	1034	94		1013	92		2	
Methyl iodide	1099	1102	75	125	25	0	1598	145	*	1457	132	* M	10	
Di-isopropyl ether (DIPE)	1099	1102	75	125	25	0	1003	91		989	90		2	
Methylene Chloride	1099	1102	75	125	25	0	1090	99		1250	113		13	
Carbon Disulfide	1099	1102	75	125	25	0	1031	94		1038	94		0	
Acrylonitrile	1099	1102	75	125	25	0	947	86		1018	92		7	
Methyl-tert-butyl ether (MTBE)	1099	1102	75	125	25	0	1134	103		1196	108		5	
trans-1,2-Dichloroethene	1099	1102	75	125	25	0	1006	92		1036	94		3	
1,1-Dichloroethane	1099	1102	75	125	25	0	1094	100		1100	100		0	
Methyl ethyl ketone	2748	2756	60	140	25	0	2342	85		2562	93		9	
Ethyl t-butyl ether (ETBE)	1099	1102	75	125	25	0	1025	93		1018	92		1	
2,2-Dichloropropane	1099	1102	75	125	25	0	1089	99		1161	105		6	
cis-1,2-Dichloroethene	1099	1102	75	125	25	0	998	91		1033	94		3	
t-Amyl methyl ether (TAME)	1099	1102	75	125	25	0	992	90		986	89		1	
Chloroform	1099	1102	75	125	25	0	1033	94		1046	95		1	
Bromochloromethane	1099	1102	75	125	25	0	1189	108		1140	103		4	
Tetrahydrofuran	1099	1102	60	140	25	0	932	85		884	80		6	
1,1,1-Trichloroethane	1099	1102	75	125	25	0	1053	96		1065	97		1	
1,1-Dichloropropene	1099	1102	75	125	25	0	1001	91		1028	93		2	
Carbon Tetrachloride	1099	1102	75	125	25	0	938	85		1039	94		10	
1,2-Dichloroethane	1099	1102	75	125	25	0	1036	94		1032	94		1	
Benzene	1099	1102	75	125	25	0	1000	91		993	90		1	
Trichloroethene	1099	1102	75	125	25	0	1124	102		1048	95		7	
1,2-Dichloropropane	1099	1102	75	125	25	0	1038	94		1030	93		1	
Methylmethacrylate	1099	1102	75	125	25	0	916	83		930	84		1	
Bromodichloromethane	1099	1102	75	125	25	0	973	88		1017	92		4	
Dibromomethane	1099	1102	75	125	25	0	1219	111		1219	111		0	
2-Hexanone	2748	2756	75	125	25	0	2208	80		2398	87		8	
Methyl isobutyl ketone	2748	2756	75	125	25	0	2338	85		2407	87		3	
cis-1,3-Dichloropropene	1099	1102	75	125	25	0	1056	96		1046	95		1	
Toluene	1099	1102	75	125	25	0	1020	93		1009	92		1	
trans-1,3-Dichloropropene	1099	1102	75	125	25	0	1004	91		1015	92		1	
1,1,2-Trichloroethane	1099	1102	75	125	25	0	1082	98		1057	96		3	
1,3-Dichloropropane	1099	1102	75	125	25	0	968	88		964	87		1	
Tetrachloroethene	1099	1102	75	125	25	0	908	83		879	80		4	
Dibromochloromethane	1099	1102	75	125	25	0	946	86		964	87		2	
1,2-Dibromoethane	1099	1102	75	125	25	0	948	86		953	86		0	
Chlorobenzene	1099	1102	75	125	25	0	990	90		969	88		2	
1,1,1,2-Tetrachloroethane	1099	1102	75	125	25	0	981	89		997	90		1	
Ethylbenzene	1099	1102	75	125	25	0	977	89		972	88		1	

VOA FORM 3

SY-2010

VOLATILE ORGANIC SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

MT 9/14/10

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: 67722-2
Spike: 67722-2,MS
Spike duplicate: 67722-2,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
m,p-Xylene	2198	2205	75	125	25	0	1951	89		1983	90		1	
o-Xylene	1099	1102	75	125	25	0	992	90		988	90		1	
Styrene	1099	1102	75	125	25	0	993	90		1005	91		1	
Bromoform	1099	1102	75	125	25	0	898	82		939	85		4	
Isopropylbenzene	1099	1102	75	125	25	0	986	90		985	89		0	
1,1,2,2-Tetrachloroethane	1099	1102	75	125	25	0	954	87		988	90		3	
1,2,3-Trichloropropane	1099	1102	75	125	25	0	996	91		1013	92		1	
trans-1,4-Dichloro-2-butene	1099	1102	75	125	25	0	985	90		1016	92		3	
n-Propylbenzene	1099	1102	75	125	25	0	968	88		983	89		1	
Bromobenzene	1099	1102	75	125	25	0	1014	92		1013	92		0	
1,3,5-Trimethylbenzene	1099	1102	75	125	25	0	1011	92		1035	94		2	
2-Chlorotoluene	1099	1102	75	125	25	0	996	91		1031	94		3	
4-Chlorotoluene	1099	1102	75	125	25	0	1007	92		1019	92		1	
tert-butylbenzene	1099	1102	75	125	25	0	982	89		997	90		1	
1,2,4-Trimethylbenzene	1099	1102	75	125	25	33	998	88		1006	88		1	
sec-butylbenzene	1099	1102	75	125	25	33	1005	88		1014	89		1	
p-isopropyltoluene	1099	1102	75	125	25	32	1034	91		1066	94		3	
1,3-Dichlorobenzene	1099	1102	75	125	25	0	968	88		979	89		1	
1,4-Dichlorobenzene	1099	1102	75	125	25	0	949	86		953	86		0	
n-butylbenzene	1099	1102	75	125	25	0	1401	127	* M	1473	134	* M	5	
1,2-Dichlorobenzene	1099	1102	75	125	25	0	967	88		977	89		1	
1,2-Dibromo-3-chloropropane	1099	1102	75	125	25	0	933	85		966	88		3	
1,2,4-Trichlorobenzene	1099	1102	75	125	25	0	936	85		946	86		1	
Hexachlorobutadiene	1099	1102	75	125	25	0	917	83		933	85		1	
Naphthalene	1099	1102	75	125	25	109	1047	85		1100	90		5	
1,2,3-Trichlorobenzene	1099	1102	75	125	25	0	950	86		936	85		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

JG-2010

VOA FORM 3

VOLATILE ORGANIC SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

MT 9/14/10

Conversion Worksheet

Sample	Misc Info	Amt (uL) Analyzed	Wt (g) Extracted	Final Vol MeoH	% Solid	CF
67722-2	50,10.22,SOIL	50	10.22	5	0.9209	53.125941
67722-2,MS	50,9.88,SOIL	50	9.88	5	0.9209	54.954162
67722-2,MSD	50,9.85,SOIL	50	9.85	5	0.9209	55.121535

09-2010

VOA FORM 3

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76196SP.D Vial: 8
Acq On : 13 Sep 2010 7:36 pm Operator: MT
Sample : 67722-2,MS Inst : Instr_C
Misc : 50,9.88,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	209292	20.00 ug/L	0.01
39) 1,4-Difluorobenzene	8.59	114	415238 ✓	20.00 ug/L	0.02
63) *d5-Chlorobenzene	13.11	117	363446	20.00 ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	157698	20.00 ug/L	0.01

System Monitoring Compounds					
28) DB Holder #28	7.98	65	140688	17.70 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	88.50% ✓	
36) d4-1,2-Dichloroethane	7.98	65	140688	17.68 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	88.40% ✓	
54) d8-Toluene	10.84	98	420401	18.36 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	91.80% ✓	
73) Bromofluorobenzene	14.99	95	157624	18.43 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	92.15% ✓	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.66	85	86005	10.85 ug/L	95
3) Chloromethane	1.96	50	153198	14.37 ug/L	99
4) Vinyl Chloride	2.00	62	117086	14.61 ug/L	99
5) Bromomethane	2.45	94	96637	15.22 ug/L	99
6) Chloroethane	2.54	64	100859	16.63 ug/L	96
7) t-Butyl alcohol (TBA)	3.98	59	59064	78.31 ug/L #	84
8) Trichlorofluoromethane	2.86	101	194363	15.80 ug/L	99
9) Diethyl ether	3.31	74	65312	19.79 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.48	101	127488	18.75 ug/L	96
12) Acetone	3.59	43	122127	43.05 ug/L	97
13) 1,1-Dichloroethene	3.70	96	119017	18.82 ug/L	94
14) Methyl iodide	4.15	142	168455	29.09 ug/L	97
15) Di-isopropyl ether (DIPE)	5.56	45	566771	18.25 ug/L	100
16) Methylene Chloride	4.47	84	143931	19.84 ug/L	96
17) Carbon Disulfide	4.44	76	401448	18.77 ug/L	98
18) Acrylonitrile	4.72	53	58176	17.24 ug/L	94
19) Methyl-tert-butyl ether (M	4.81	73	301757	20.63 ug/L	97
20) trans-1,2-Dichloroethene	4.98	61	197133	18.31 ug/L	93
21) 1,1-Dichloroethane	5.67	63	249446	19.91 ug/L	96
23) Methyl ethyl ketone	6.40	72	31946	42.62 ug/L	94
24) Ethyl t-butyl ether (ETBE)	6.22	59	424948	18.66 ug/L	99
25) 2,2-Dichloropropane	6.58	77	160687	19.81 ug/L	91
26) cis-1,2-Dichloroethene	6.62	96	140163	18.16 ug/L	96
27) t-Amyl methyl ether (TAME)	7.96	73	337809	18.05 ug/L	97
29) Chloroform	6.88	83	238208	18.79 ug/L	94
30) Bromochloromethane	7.12	128	71871	21.64 ug/L	97

(#) = qualifier out of range (m) = manual integration 9/20/10

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76196SP.D Vial: 8
Acq On : 13 Sep 2010 7:36 pm Operator: MT
Sample : 67722-2,MS Inst : Instr_C
Misc : 50,9.88,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/14/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.23	71	15122	16.96 ug/L	88
32) 1,1,1-Trichloroethane	7.50	97	189402	19.16 ug/L	97
34) 1,1-Dichloropropene	7.73	75	180480	18.21 ug/L	98
35) Carbon Tetrachloride	7.87	119	100620	17.07 ug/L	89
37) 1,2-Dichloroethane	8.11	62	178880	18.86 ug/L	99
38) Benzene	8.11	78	468516	18.20 ug/L	99
40) Trichloroethene	9.05	95	149884	20.45 ug/L	94
41) 1,2-Dichloropropane	9.32	63	136954	18.89 ug/L	100
42) Methylmethacrylate	9.45	69	87396	16.68 ug/L	93
43) Methyl acetate	4.32	43	32411	2.68 ug/L #	96
45) Bromodichloromethane	9.66	83	149385	17.70 ug/L	98
46) Dibromomethane	9.73	93	103906	22.18 ug/L	99
47) 1,4-Dioxane	9.74	88	2310	25.62 ug/L #	53
51) 2-Hexanone	11.54	58	120606	40.19 ug/L	97
52) Methyl isobutyl ketone	10.22	58	130878	42.55 ug/L	98
53) cis-1,3-Dichloropropene	10.49	75	214397	19.22 ug/L	99
55) Toluene	10.95	92	297776	18.56 ug/L	99
56) trans-1,3-Dichloropropene	11.25	75	191684	18.27 ug/L	99
58) 1,1,2-Trichloroethane	11.48	83	102259	19.70 ug/L	97
59) 1,3-Dichloropropane	11.85	76	198926	17.62 ug/L	100
60) Tetrachloroethene	11.94	166	126746	16.53 ug/L	97
61) Dibromochloromethane	12.23	129	132902	17.22 ug/L	96
62) 1,2-Dibromoethane	12.52	107	137732	17.24 ug/L	99
64) Chlorobenzene	13.17	112	340508	18.02 ug/L	96
65) 1,1,1,2-Tetrachloroethane	13.25	131	116700	17.86 ug/L	96
66) Ethylbenzene	13.27	91	525594	17.78 ug/L	99
67) m,p-Xylene	13.39	106	428136	35.51 ug/L	99
68) o-Xylene	14.05	106	210029	18.04 ug/L	96
69) Styrene	14.11	104	368061	18.07 ug/L	100
70) Bromoform	14.59	173	73168	16.33 ug/L	99
71) Isopropylbenzene	14.61	105	544162	17.94 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.88	83	155689	17.36 ug/L	100
74) 1,2,3-Trichloropropane	15.10	75	112200	18.12 ug/L	99
75) trans-1,4-Dichloro-2-buten	15.23	89	41593	17.92 ug/L #	84
76) n-Propylbenzene	15.23	91	628323	17.61 ug/L	98
77) Bromobenzene	15.26	156	125863	18.45 ug/L	98
78) 1,3,5-Trimethylbenzene	15.49	105	436709	18.40 ug/L	99
79) 2-Chlorotoluene	15.49	91	393099	18.13 ug/L	99
80) 4-Chlorotoluene	15.57	91	375421	18.32 ug/L	97
81) tert-butylbenzene	16.04	119	376227	17.87 ug/L	97
82) 1,2,4-Trimethylbenzene	16.10	105	461604	18.15 ug/L	99

(#) = qualifier out of range (m) = manual integration

9-2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76196SP.D Vial: 8
Acq On : 13 Sep 2010 7:36 pm Operator: MT
Sample : 67722-2,MS Inst : Instr_C
Misc : 50,9.88,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/14/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
83)	Diisobutylketone	15.12	57	210761	11.72 ug/L #	48
84)	sec-butylbenzene	16.38	105	614287	18.29 ug/L	98
85)	p-isopropyltoluene	16.59	119	505548	18.81 ug/L	99
86)	1,3-Dichlorobenzene	16.71	146	218650	17.61 ug/L	99
88)	1,4-Dichlorobenzene	16.88	146	218938	17.28 ug/L	99
89)	n-butylbenzene	17.24	91	629400	25.50 ug/L	66
90)	1,2-Dichlorobenzene	17.45	146	200314	17.60 ug/L	95
92)	1,2-Dibromo-3-chloropropan	18.69	75	24826	16.97 ug/L	94
94)	1,2,4-Trichlorobenzene	20.09	180	147901	17.03 ug/L	98
95)	Hexachlorobutadiene	20.34	225	71932	16.68 ug/L	97
96)	Naphthalene	20.48	128	401923	19.06 ug/L	100
97)	1,2,3-Trichlorobenzene	20.89	180	133169	17.29 ug/L	99

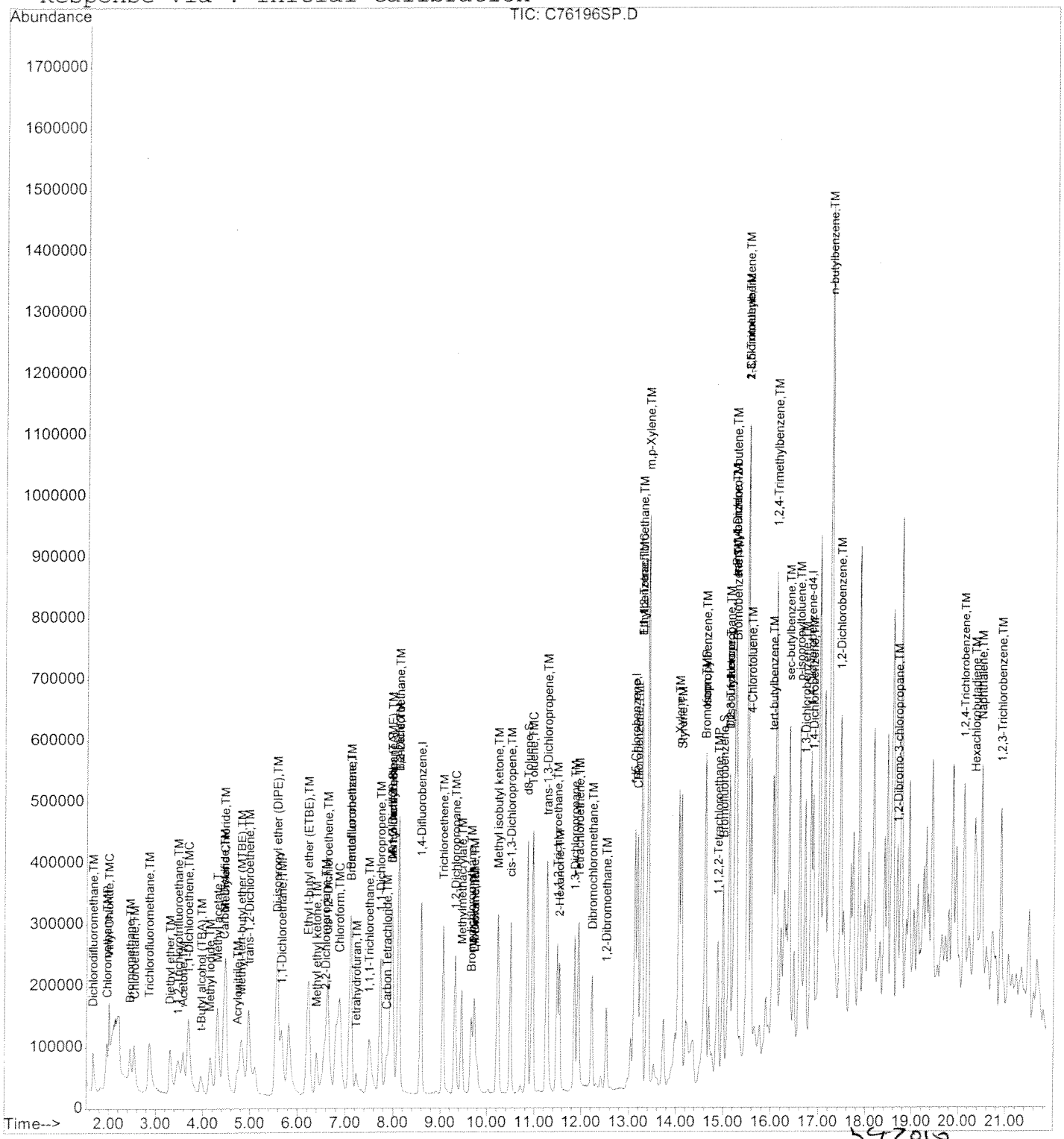
9-2010

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76196SP.D Vial: 8
Acq On : 13 Sep 2010 7:36 pm Operator: MT
Sample : 67722-2,MS Inst : Instr_C
Misc : 50,9.88,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/14/10



5-9-2010

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76197SP.D Vial: 10
Acq On : 13 Sep 2010 8:09 pm Operator: MT
Sample : 67722-2,MSD Inst : Instr_C
Misc : 50,9.85,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	208183	20.00 ug/L	0.02
39) 1,4-Difluorobenzene	8.58	114	419998 ✓	20.00 ug/L	0.02
63) *d5-Chlorobenzene	13.11	117	370150 ✓	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.83	152	163548	20.00 ug/L	0.02

System Monitoring Compounds					
28) DB Holder #28	7.97	65	147606	18.67 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.35% ✓	
36) d4-1,2-Dichloroethane	7.97	65	147606	18.65 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	93.25% ✓	
54) d8-Toluene	10.85	98	423537	18.29 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	91.45% ✓	
73) Bromofluorobenzene	14.99	95	166295	19.09 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.45% ✓	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.67	85	82859	10.51 ug/L	94
3) Chloromethane	1.95	50	166696	15.73 ug/L	97
4) Vinyl Chloride	2.00	62	115288	14.46 ug/L	100
5) Bromomethane	2.44	94	99174	15.68 ug/L	98
6) Chloroethane	2.54	64	85245	14.13 ug/L	94
7) t-Butyl alcohol (TBA)	3.96	59	64964	86.59 ug/L #	78
8) Trichlorofluoromethane	2.86	101	194042	15.86 ug/L	92
9) Diethyl ether	3.31	74	67802	20.65 ug/L	93
10) 1,1,2-Trichlorotrifluoroet	3.47	101	125952	18.62 ug/L	97
12) Acetone	3.59	43	133556	47.68 ug/L	98
13) 1,1-Dichloroethene	3.70	96	115612	18.37 ug/L	98
14) Methyl iodide	4.15	142	152136	26.42 ug/L	98
15) Di-isopropyl ether (DIPE)	5.57	45	554127	17.94 ug/L	99
16) Methylene Chloride	4.48	84	162920	22.68 ug/L	99
17) Carbon Disulfide	4.44	76	400729	18.84 ug/L	99
18) Acrylonitrile	4.72	53	62028	18.48 ug/L	99
19) Methyl-tert-butyl ether (M	4.81	73	315679	21.69 ug/L	96
20) trans-1,2-Dichloroethene	4.97	61	201264	18.79 ug/L	90
21) 1,1-Dichloroethane	5.67	63	248792	19.96 ug/L	99
23) Methyl ethyl ketone	6.41	72	34654	46.48 ug/L	98
24) Ethyl t-butyl ether (ETBE)	6.22	59	418456	18.47 ug/L	99
25) 2,2-Dichloropropane	6.57	77	170011	21.07 ug/L	92
26) cis-1,2-Dichloroethene	6.64	96	143912	18.75 ug/L	91
27) t-Amyl methyl ether (TAME)	7.96	73	333209	17.90 ug/L	97
29) Chloroform	6.88	83	239302	18.98 ug/L	99
30) Bromochloromethane	7.11	128	68444	20.69 ug/L	93

(#) = qualifier out of range (m) = manual integration 9-2010

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76197SP.D Vial: 10
Acq On : 13 Sep 2010 8:09 pm Operator: MT
Sample : 67722-2,MSD Inst : Instr_C
Misc : 50,9.85,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/14/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	7.23	71	14305	16.04 ug/L #	68
32) 1,1,1-Trichloroethane	7.49	97	189989	19.32 ug/L	94
34) 1,1-Dichloropropene	7.73	75	183779	18.65 ug/L	98
35) Carbon Tetrachloride	7.87	119	110584	18.86 ug/L	95
37) 1,2-Dichloroethane	8.11	62	176570	18.72 ug/L	99
38) Benzene	8.11	78	461331	18.01 ug/L	99
40) Trichloroethene	9.05	95	141400	19.01 ug/L	97
41) 1,2-Dichloropropane	9.32	63	137059	18.69 ug/L	97
42) Methylmethacrylate	9.46	69	89430	16.87 ug/L	97
43) Methyl acetate	4.32	43	21314	1.46 ug/L #	90
45) Bromodichloromethane	9.66	83	157471	18.44 ug/L	97
46) Dibromomethane	9.72	93	104775	22.11 ug/L	99
47) 1,4-Dioxane	9.74	88	2543	27.88 ug/L #	80
51) 2-Hexanone	11.53	58	132038	43.50 ug/L	99
52) Methyl isobutyl ketone	10.22	58	135850	43.67 ug/L	99
53) cis-1,3-Dichloropropene	10.49	75	214046	18.97 ug/L	100
55) Toluene	10.95	92	297022	18.31 ug/L	97
56) trans-1,3-Dichloropropene	11.25	75	195274	18.41 ug/L	98
58) 1,1,2-Trichloroethane	11.48	83	100661	19.17 ug/L	96
59) 1,3-Dichloropropane	11.85	76	199704	17.49 ug/L	100
60) Tetrachloroethene	11.94	166	123631	15.94 ug/L	99
61) Dibromochloromethane	12.23	129	136473	17.48 ug/L	94
62) 1,2-Dibromoethane	12.52	107	139687	17.29 ug/L	98
64) Chlorobenzene	13.17	112	338355	17.58 ug/L	99
65) 1,1,1,2-Tetrachloroethane	13.24	131	120380	18.09 ug/L	99
66) Ethylbenzene	13.27	91	530821	17.63 ug/L	96
67) m,p-Xylene	13.39	106	441718	35.97 ug/L	99
68) o-Xylene	14.05	106	212464	17.92 ug/L	94
69) Styrene	14.11	104	378423	18.24 ug/L	98
70) Bromoform	14.59	173	77894	17.04 ug/L	100
71) Isopropylbenzene	14.61	105	552183	17.88 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.88	83	163662	17.92 ug/L	98
74) 1,2,3-Trichloropropane	15.10	75	115800	18.38 ug/L	95
75) trans-1,4-Dichloro-2-buten	15.22	89	43565	18.43 ug/L #	81
76) n-Propylbenzene	15.23	91	648086	17.83 ug/L	99
77) Bromobenzene	15.26	156	127641	18.37 ug/L	98
78) 1,3,5-Trimethylbenzene	15.49	105	453711	18.77 ug/L	98
79) 2-Chlorotoluene	15.49	91	413024	18.71 ug/L	99
80) 4-Chlorotoluene	15.57	91	385995	18.49 ug/L	100
81) tert-butylbenzene	16.03	119	387807	18.09 ug/L	99
82) 1,2,4-Trimethylbenzene	16.09	105	472786	18.26 ug/L	98

(#) = qualifier out of range (m) = manual integration 9-2010

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76197SP.D Vial: 10
Acq On : 13 Sep 2010 8:09 pm Operator: MT
Sample : 67722-2,MSD Inst : Instr_C
Misc : 50,9.85,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/14/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
83) Diisobutylketone	15.13	57	194102	10.59 ug/L #	46
84) sec-butylbenzene	16.37	105	629094	18.39 ug/L	99
85) p-isopropyltoluene	16.59	119	529216	19.33 ug/L	98
86) 1,3-Dichlorobenzene	16.71	146	224552	17.76 ug/L	99
88) 1,4-Dichlorobenzene	16.88	146	227157	17.28 ug/L	97
89) n-butylbenzene	17.24	91	684035	26.72 ug/L	66
90) 1,2-Dichlorobenzene	17.45	146	209182	17.72 ug/L	97
92) 1,2-Dibromo-3-chloropropan	18.69	75	26543	17.53 ug/L	93
94) 1,2,4-Trichlorobenzene	20.10	180	154633	17.17 ug/L	96
95) Hexachlorobutadiene	20.34	225	75682	16.93 ug/L	98
96) Naphthalene	20.48	128	436410	19.96 ug/L	99
97) 1,2,3-Trichlorobenzene	20.89	180	135658	16.98 ug/L	98

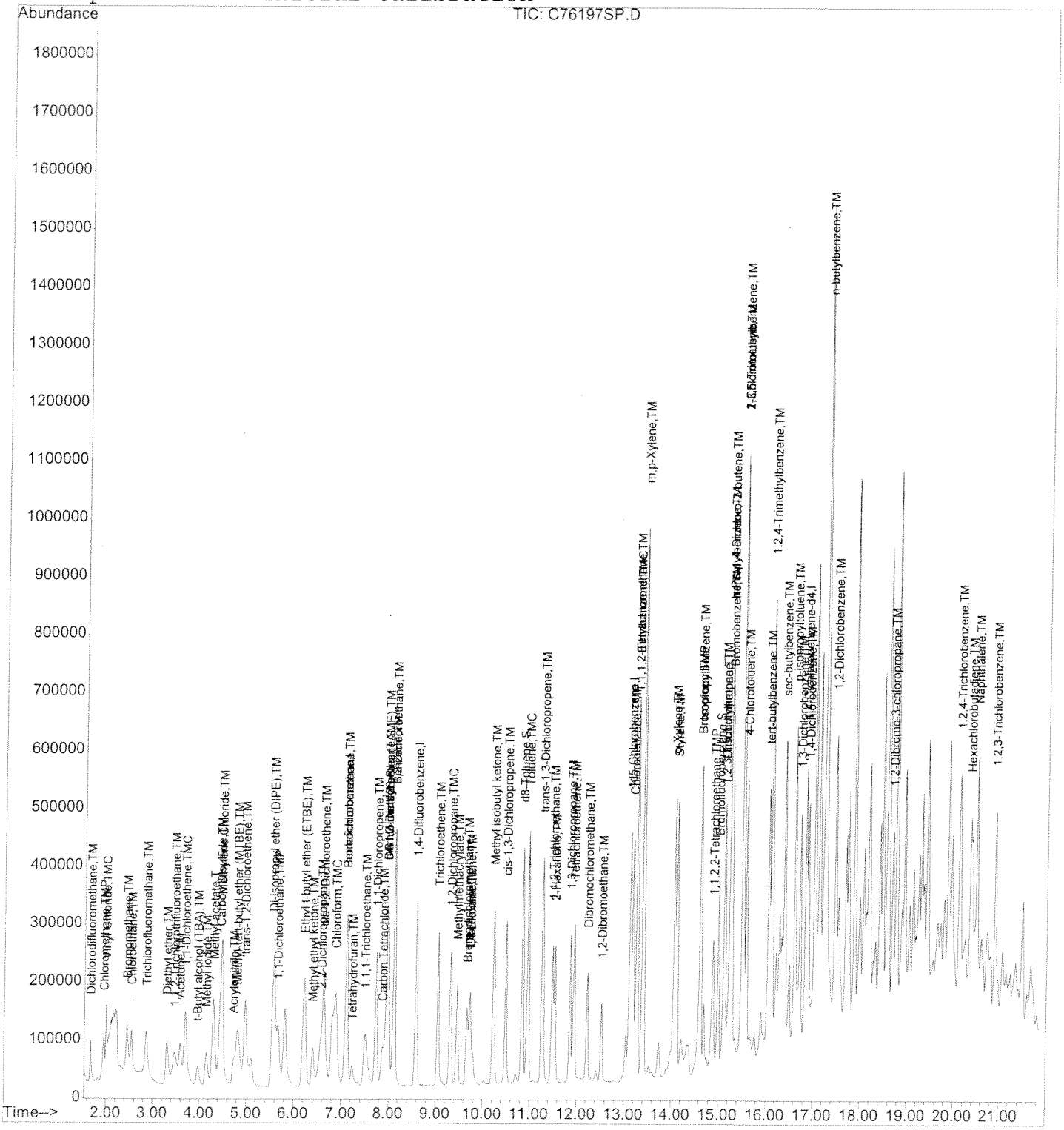
9-2010

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76197SP.D Vial: 10
Acq On : 13 Sep 2010 8:09 pm Operator: MT
Sample : 67722-2,MSD Inst : Instr_C
Misc : 50,9.85,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 14 7:39 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/14/10



5-1-2010

analytics environmental laboratory LLC

IS only V8970 Exp: x 8-11-12

SS+IS V8931 Exp: x 8-11-12

Voltage: 2094

Threshold: 100

GC/MS Volatiles Instrument C: 081010-C

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-C-081010-1-JH							
4	V8081D0C	BFB 50 Ng	5mL	2ml	V8951	✓	C75996T	JH	NA
5		0.2 PPB		0.05ml	V8953 V8941	✓	9751		
6		0.5 PPB		0.125ml		✓	9851		
7		1.0 PPB		0.25ml		✓	9951		
8		2.0 PPB		0.5ml		✓	C76000081		
9		5.0 PPB		1.25ml		✓	0151		
10		20.0 PPB		5ml		✓	0251		
11		50.0 PPB		12.5ml		✓	0351		
12		100.0 PPB		25ml		✓	0451		
13		Blank					0551		
14		20 PPB ICV		5ml	V0A5H V8944	✓	0CCC		
15		20 PPB ICV		5ml		✓	078C		
16									

JH 08.11.12

Analytics environmental laboratory LLC

IS only V9027 Exp: 9/27/10

SS+IS V9026 Exp: 9/27/10

091310-C

Voltage: 2094

Threshold: 100

GC/MS Volatiles Instrument C:

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-C-091310-1- MT							
6	V808100C	BFB 50ng	5ml	2ml	V9014	✓	C76178T ~~C76161~~	MT	MA
7		20ppb		5ml	V9020 V9013	RR Ketones ↓	~~62~~ 79		
8		20ppb	⊥	⊥	⊥	✓	~~63~~ 80		
10		LS091300C	50ml/5ml			✓	~~64~~ 81		
11		LS091300C2	⊥			✓	~~65~~ 82		
12		Bromoform	5ml	5ml	V9015	✓	~~66~~ 83		
13		MB091300C	50ml/5ml			✓	~~67~~ 84		
~~14~~ 13		67722-5				✓ TB	85		
~~15~~ 14		-1				✓ 10.57	86		
~~16~~ 15		-2				✓ 10.22	87		
~~17~~ ~~16~~		-3				✓ 9.84	88		
~~18~~ 1		-4	⊥			✓ 9.77	89		
2		BLK	5ml				90		
3		⊥	⊥				91		
4		~~67743-14~~ ~~67768-14~~	50ml/5ml			✓ Screen 10.34 ~~11.60~~	92		
5		~~67768-15~~ -16				Screen ~~10.07~~ 9.10	93		
6		⊥ ~~-16~~ -14	⊥			⊥ ~~9.78~~ 11.48	94		
7		~~-14~~ -15	⊥			⊥ 10.09	95		
8		67722-2,MS				✓ Spike Mong ✓ Reviews 9.88	96		
10		⊥ -2,MSD	⊥			✓ 9.85	97		
11	⊥	67708-1,400x	10ml			In hose waste	98	⊥	⊥

MT 9/13/10

MT 9/13/10

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1 12/16/09

[51]

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG:
BFB File ID: C75996T.D
BFB Injection Date: 08/10/10
BFB Injection Time: 11:05

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
0.2 PPB	C75997SI.D	8/10/10 11:40
0.5 PPB	C75998SI.D	8/10/10 12:13
1.0 PPB	C75999SI.D	8/10/10 12:55
2.0 PPB	C76000SI.D	8/10/10 13:29
5.0 PPB	C76001SI.D	8/10/10 14:07
20.0 PPB	C76002SI.D	8/10/10 14:39
50.0 PPB	C76003SI.D	8/10/10 15:08
100.0 PPB	C76004SI.D	8/10/10 15:14
20 PPB ICV	C76006CC.D	8/10/10 16:35
20 PPB ICV2	C76007CC.D	8/10/10 17:08

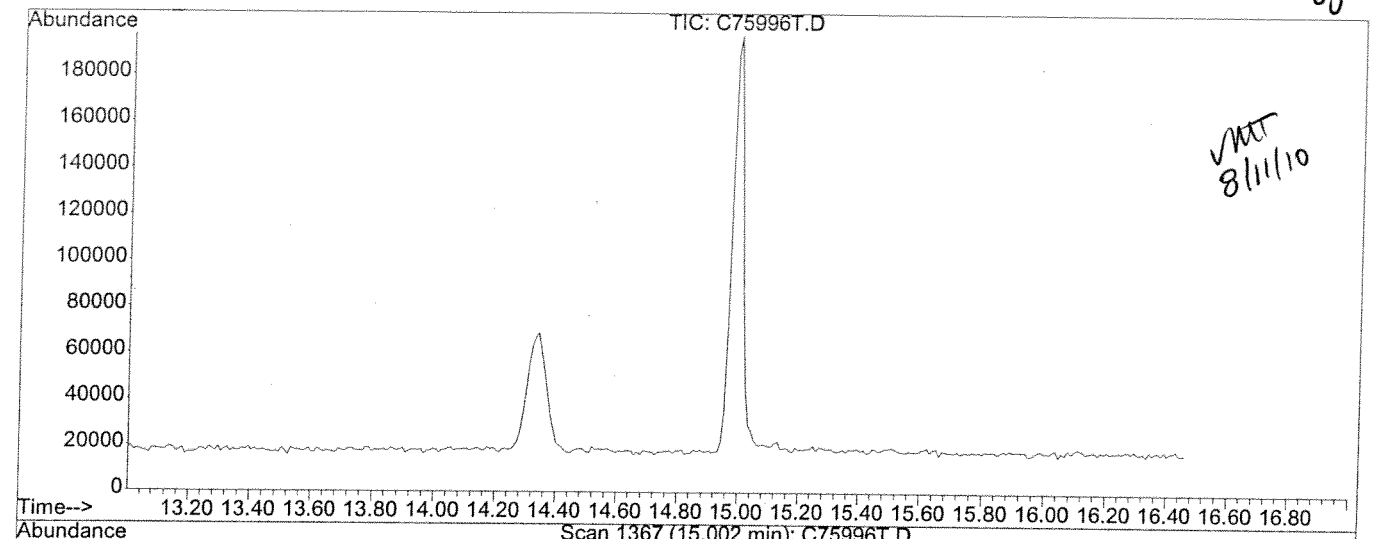
Refer to the BFB report C75996T.D for ion ratio evaluation.

VOA FORM 5

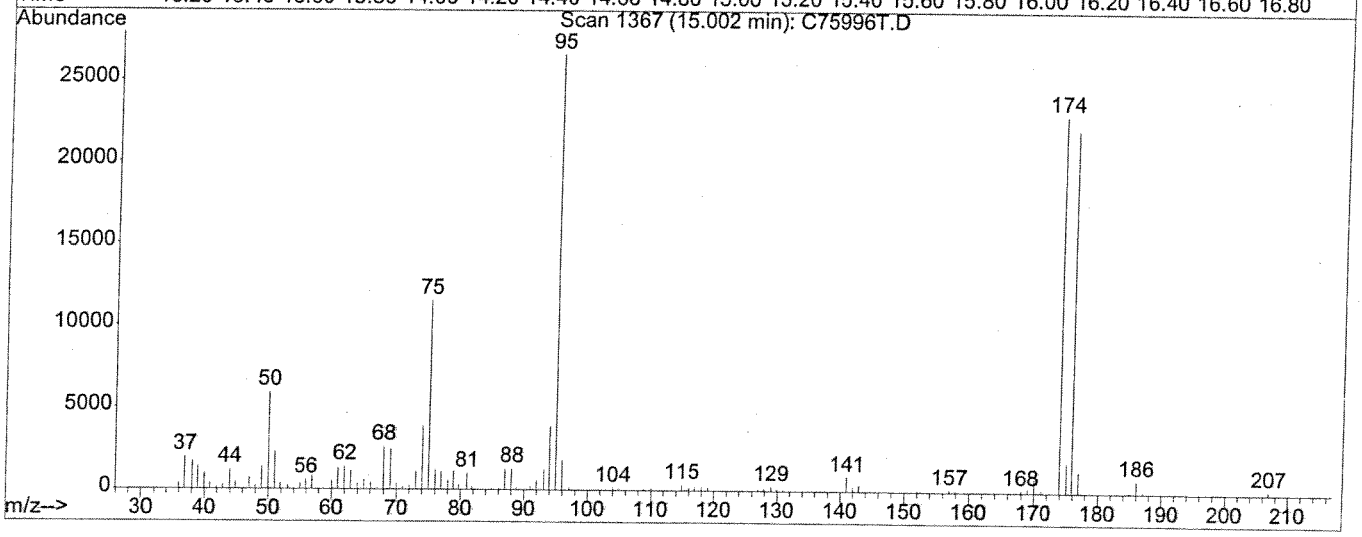
BFB

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75996T.D Vial: 4
Acq On : 10 Aug 2010 11:05 am Operator: JK
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator
Title : 8260 Purgable Organics

JL 08/10/10



VMT 8/11/10



Spectrum Information: Scan 1367

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	5911	PASS
75	95	30	60	43.3	11499	PASS
95	95	100	100	100.0	26584	PASS
96	95	5	9	6.8	1798	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.4	22960	PASS
175	174	5	9	7.9	1821	PASS
176	174	95	101	96.2	22096	PASS
177	176	5	9	5.9	1310	PASS

C75996T.D V808100C.M Tue Aug 10 11:07:26 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG: 67743
BFB File ID: C76178T.D
BFB Injection Date: 09/13/10
BFB Injection Time: 9:49

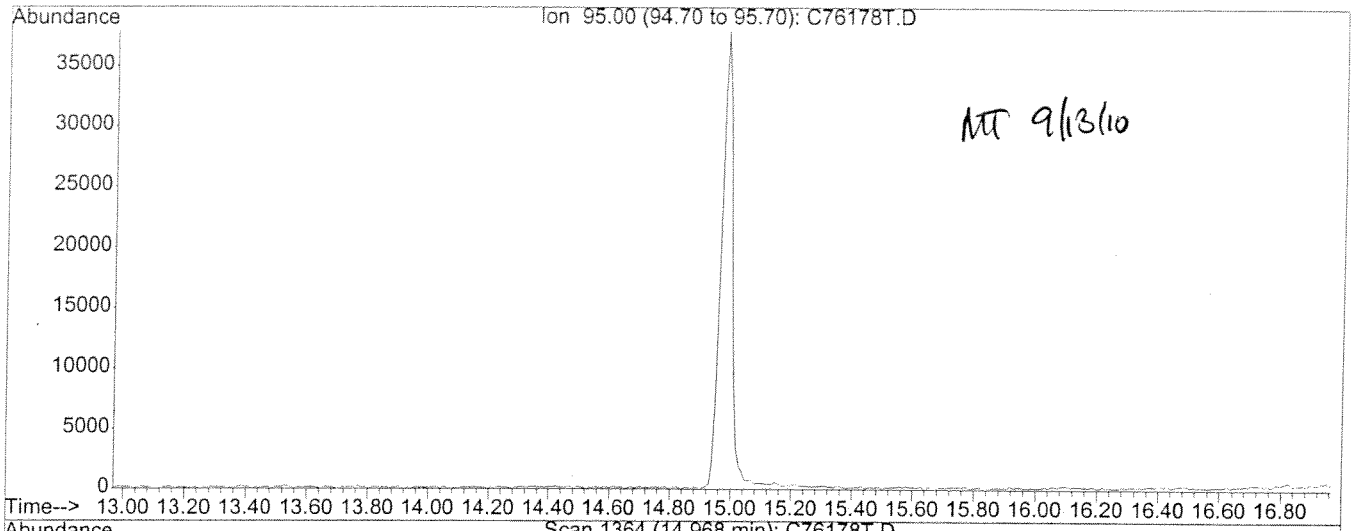
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
20 PPB	C76180SC.D	9/13/10 10:54
LS09130C	C76181Q.D	9/13/10 11:41
LS09130C2	C76182Q.D	9/13/10 12:20
MB09130C	C76184B.D	9/13/10 13:27
67743-1	C76192.D	9/13/10 17:43

Refer to the BFB report C76178T.D for ion ratio evaluation.

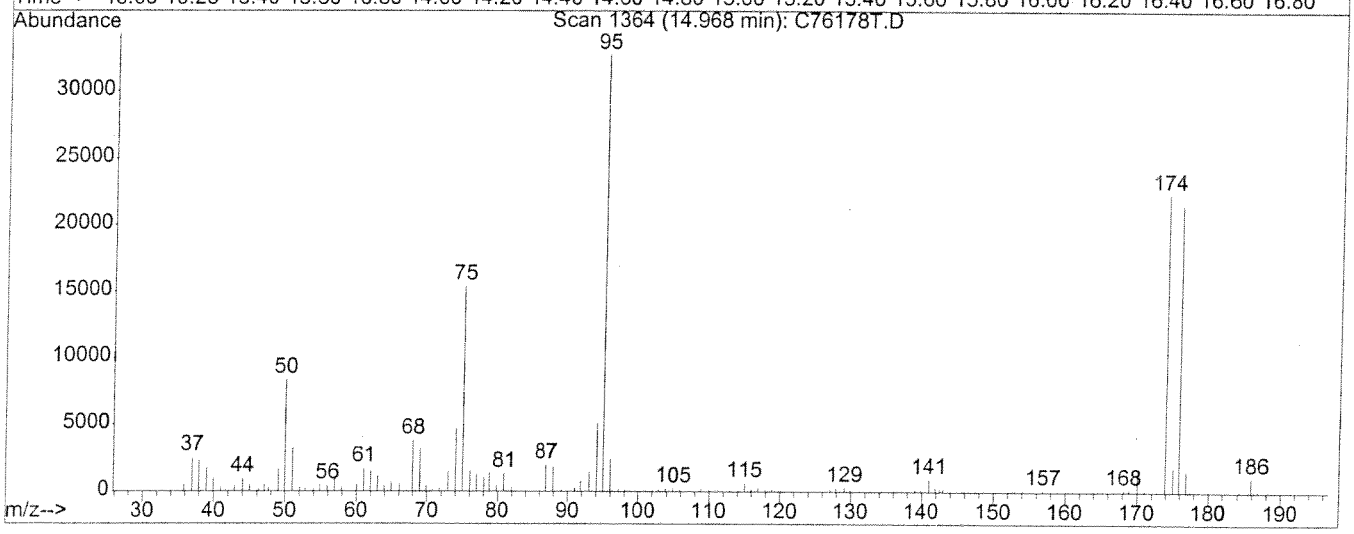
VOA FORM 5

BFB

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76178T.D Vial: 6
Acq On : 13 Sep 2010 9:49 am Operator: MT
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrato
Title : 8260 Purgable Organics



MT 9/13/10



Spectrum Information: Scan 1364

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.5	8327	PASS
75	95	30	60	47.0	15383	PASS
95	95	100	100	100.0	32712	PASS
96	95	5	9	7.4	2408	PASS ✓
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.3	22352	PASS
175	174	5	9	8.3	1848	PASS
176	174	95	101	96.1	21480	PASS
177	176	5	9	7.1	1534	PASS

9-2010

C76178T.D V808100C.M Mon Sep 13 11:08:17 2010

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

JK 08.11.
VMT 8/11/10

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	TM	Dichlorodifluoromet	0.928	0.735	0.729	0.730	0.722	0.700	0.757	11.16
3)	TMP	Chloromethane	1.420	0.977	1.073	0.990	1.014		1.195✓	~~24.77~~ L 1.0
4)	TMC	Vinyl Chloride	0.952	0.752	0.756	0.722	0.732	0.681	0.766	12.41✓
5)	TM	Bromomethane	0.626	0.365	0.424	0.580	0.638	0.637	0.522	~~23.92~~ L 1.0
6)	TM	Chloroethane	0.624	0.575	0.585	0.553	0.579	0.561	0.579	4.27
7)	TM	t-Butyl alcohol (TB	0.090	0.073	0.072	0.062	0.071	0.065	0.072#	13.43
8)	TM	Trichlorofluorometh	1.247	1.042	1.129	1.166	1.156	1.124	1.175	8.75
9)	TM	Diethyl ether	0.318	0.309	0.277	0.356	0.331	0.328	0.315	8.53
10)	TM	1,1,2-Trichlorotrif	0.666	0.667	0.591	0.639	0.604	0.602	0.650	10.07
11)	T	Acrolein	0.071	0.052	0.032	0.042	0.043	0.042	0.047#	~~28.02~~ L 1.0
12)	TM	Acetone	0.369	0.311	0.267	0.269	0.258	0.251	0.315	~~26.71~~ L 1.0
13)	TMC	1,1-Dichloroethene	0.696	0.665	0.538	0.592	0.569	0.566	0.604	10.31✓
14)	TM	Methyl iodide	0.428	0.420	0.389	0.626	0.545		0.481	~~20.83~~ L 0.9
15)	TM	Di-isopropyl ether	3.354	2.840	2.528	2.879	2.759	2.818	2.967	12.50
16)	TM	Methylene Chloride	1.157	1.081	0.691	0.694	0.680	0.672	0.829	~~27.25~~ L 1.0
[illegible])	TM	Carbon Disulfide	2.164	2.129	1.859	2.117	1.984	2.011	2.044	5.62
18)	TM	Acrylonitrile	0.299	0.337	0.322	0.329	0.330	0.318	0.323	4.13
19)	TM	Methyl-tert-butyl e	1.140	1.170	1.443	1.527	1.545	1.493	1.398	12.12
20)	TM	trans-1,2-Dichloroe	1.220	1.085	0.892	1.015	0.978	0.965	1.029	10.17
21)	TMP	1,1-Dichloroethane	1.675	1.298	1.132	1.236	1.194	1.177	1.344✓	~~17.78~~ L 1.0
22)	TM	Vinyl acetate	1.297	0.991	1.038	1.314	1.399	1.394	1.252	13.33
23)	TM	Methyl ethyl ketone	0.079	0.063	0.065	0.071	0.069	0.066	0.072#	12.46
24)	TM	Ethyl t-butyl ether	2.426	2.109	1.861	2.152	2.081	2.105	2.176	10.04
25)	TM	2,2-Dichloropropane	0.922	0.657	0.695	0.749	0.765	0.773	0.775	11.88
26)	TM	cis-1,2-Dichloroeth	0.867	0.780	0.639	0.747	0.701	0.691	0.737	10.82
27)	TM	t-Amyl methyl ether	1.938	1.816	1.523	1.710	1.652	1.674	1.789	12.65
28)	S	DB Holder #28	0.779	0.742	0.764	0.795	0.763	0.725	0.760	2.84
29)	TMC	Chloroform	1.409	1.213	1.043	1.185	1.120	1.113	1.211	11.69✓
30)	TM	Bromochloromethane	0.589	0.377	0.325	0.331	0.313	0.309	0.396	~~29.04~~ L 1.00
31)	TM	Tetrahydrofuran	0.123	0.136	0.115	0.085	0.082	0.078	0.103	~~23.91~~ L 0.90
32)	TM	1,1,1-Trichloroetha	1.085	0.903	0.843	0.968	0.922	0.898	0.945	8.37
33)	T	Ethanol	0.016	0.012	0.012	0.013	0.012	0.012	0.013#	12.33
34)	TM	1,1-Dichloropropene	1.154	1.000	0.820	0.928	0.902	0.878	0.947	12.42
35)	TM	Carbon Tetrachlorid	0.549	0.545	0.485	0.603	0.618	0.620	0.563	9.16
36)	S	d4-1,2-Dichloroetha	0.780	0.746	0.764	0.795	0.763	0.725	0.760	2.83
37)	TM	1,2-Dichloroethane	1.005	0.871	0.892	0.925	0.885	0.859	0.906	5.87
38)	TM	Benzene	2.793	2.402	2.144	2.379	2.276	2.309	2.460	11.57
39)	I	1,4-Difluorobenzene	----------ISTD----------							
40)	TM	Trichloroethene	0.566	0.424	0.357	0.385	0.346	0.340	0.432	~~25.45~~ L 0.999
[illegible])	TMC	1,2-Dichloropropane	0.417	0.351	0.317	0.345	0.340	0.324	0.349	10.21✓
[illegible])	TM	Methylmethacrylate	0.272	0.295	0.240	0.243	0.235	0.230	0.252	10.13

(#) = Out of Range ### Number of calibration levels exceeded format ###
V808100C.M Tue Aug 10 16:11:54 2010 Page 1

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

JL 08.11.

		Compound	1	2	5	20	50	100	Avg	%RSD
43)	T	Methyl acetate	0.794	0.560	0.412	0.488	0.462	0.445	0.527	~~36.59~~ L0.0
44)	T	Cyclohexane	0.651	0.617	0.537	0.578	0.533	0.514	0.572	9.35
45)	TM	Bromodichloromethan	0.449	0.422	0.360	0.419	0.401	0.389	0.407	7.50
46)	TM	Dibromomethane	0.366	0.303	0.246	0.252	0.229	0.206	0.267	~~21.78~~ L0.0
47)	TM	1,4-Dioxane	0.005	0.005	0.004	0.004	0.004	0.004	0.004#	5.02
48)	T	Methylcyclohexane	0.587	0.535	0.471	0.517	0.489	0.496	0.516	8.01
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl	0.222	0.193	0.175	0.187	0.210	0.168	0.198	11.31
51)	TM	2-Hexanone	0.157	0.139	0.130	0.143	0.138	0.133	0.145	10.31
52)	TM	Methyl isobutyl ket	0.174	0.147	0.137	0.151	0.142	0.138	0.148	9.40
53)	TM	cis-1,3-Dichloropro	0.603	0.562	0.474	0.555	0.532	0.498	0.537	8.61
54)	S	d8-Toluene	1.092	1.104	1.098	1.111	1.101	1.087	1.103	0.96
55)	TMC	Toluene	0.887	0.822	0.684	0.778	0.737	0.727	0.773	9.48 ✓
56)	TM	trans-1,3-Dichlorop	0.568	0.510	0.440	0.517	0.498	0.499	0.505	8.12
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.269	0.261	0.221	0.261	0.247	0.242	0.250	7.00
59)	TM	1,3-Dichloropropane	0.662	0.563	0.457	0.529	0.497	0.492	0.544	13.18
[illegible])	TM	Tetrachloroethene	0.384	0.371	0.386	0.352	0.332	0.332	0.369	9.27
61)	TM	Dibromochloromethan	0.357	0.355	0.301	0.366	0.361	0.353	0.372	12.91
62)	TM	1,2-Dibromoethane	0.384	0.364	0.318	0.377	0.364	0.352	0.385	13.15
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	1.140	1.044	0.907	1.002	0.947	0.966	1.040 ✓	12.30
65)	TM	1,1,1,2-Tetrachloro	0.394	0.347	0.323	0.354	0.337	0.344	0.360	9.50
66)	TMC	Ethylbenzene	1.790	1.638	1.435	1.568	1.480	1.489	1.627	12.30 ✓
67)	TM	m,p-Xylene	0.730	0.662	0.577	0.641	0.602	0.602	0.664	13.48
68)	TM	o-Xylene	0.702	0.659	0.573	0.636	0.583	0.584	0.641	10.36
69)	TM	Styrene	1.202	1.082	0.999	1.096	1.042	1.039	1.121	11.98
70)	TMP	Bromoform	0.170	0.192	0.188	0.246	0.250	0.257	0.212 ✓	~~17.56~~ L1.000
71)	TM	Isopropylbenzene	1.764	1.726	1.487	1.630	1.528	1.521	1.669	11.39
72)	TMP	1,1,2,2-Tetrachloro	0.525	0.500	0.431	0.482	0.455	0.435	0.494 ✓	13.76
73)	S	Bromofluorobenzene	0.471	0.478	0.477	0.477	0.463	0.459	0.471	1.59
74)	TM	1,2,3-Trichloroprop	0.481	0.382	0.332	0.360	0.338	0.326	0.370	~~15.71~~ L0.99
75)	TM	trans-1,4-Dichloro-	0.140	0.133	0.109	0.134	0.126	0.124	0.128	8.43
76)	TM	n-Propylbenzene	2.153	2.020	1.731	1.905	1.782	1.750	1.963	12.59
77)	TM	Bromobenzene	0.416	0.364	0.342	0.371	0.351	0.348	0.375	9.76
78)	TM	1,3,5-Trimethylbenz	1.505	1.385	1.204	1.306	1.221	1.213	1.306	9.21
79)	TM	2-Chlorotoluene	1.336	1.229	1.111	1.210	1.146	1.127	1.193	7.04
80)	TM	4-Chlorotoluene	1.288	1.131	0.994	1.120	1.038	1.038	1.128	10.52
81)	TM	tert-butylbenzene	1.302	1.198	1.016	1.145	1.043	1.020	1.158	12.52
82)	TM	1,2,4-Trimethylbenz	1.604	1.417	1.252	1.375	1.265	1.250	1.399	11.63
83)	T	Diisobutylketone	1.098	1.027	0.883	0.962	0.908	0.863	0.990	12.24
[illegible])	TM	sec-butylbenzene	2.024	1.892	1.655	1.808	1.684	1.652	1.848	11.63
[illegible])	TM	p-isopropyltoluene	1.663	1.477	1.281	1.444	1.341	1.319	1.479	13.56

VMT 8/11/10

(#) = Out of Range ### Number of calibration levels exceeded format ###
V808100C.M Tue Aug 10 16:11:54 2010 Page 2

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

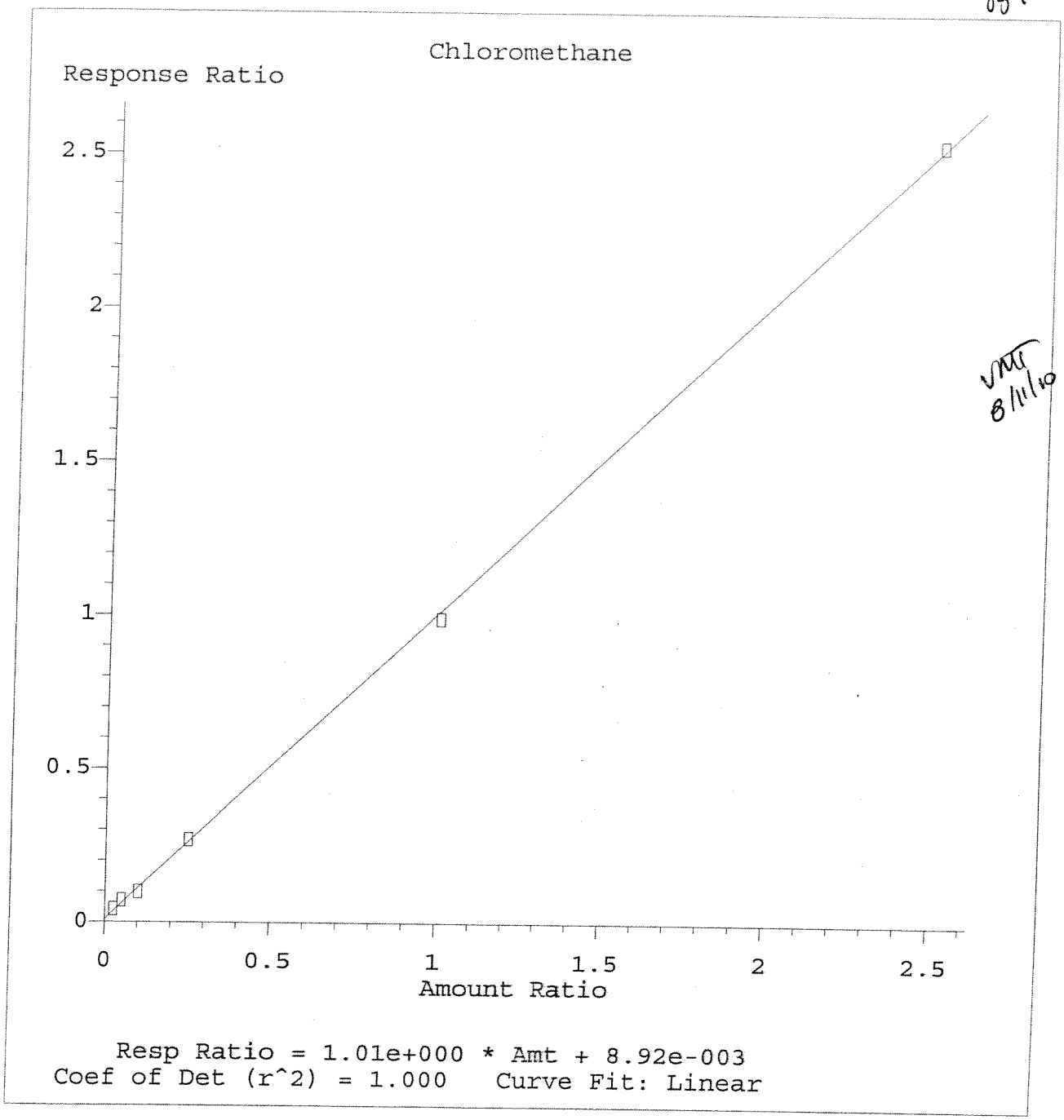
Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
86)	TM	1,3-Dichlorobenzene	0.754	0.731	0.599	0.660	0.627	0.611	0.683	11.50
87)	I	1,4-Dichlorobenzene-d	----------	----------	----------	ISTD	----------	----------	----------	
88)	TM	1,4-Dichlorobenzene	1.742	1.632	1.405	1.578	1.461	1.489	1.607	11.63
89)	TM	n-butylbenzene	3.415	3.118	2.755	3.100	2.864	2.925	3.130	10.95
90)	TM	1,2-Dichlorobenzene	1.596	1.500	1.275	1.447	1.331	1.334	1.444	9.44
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.305	0.237	0.198	0.186	0.182	0.177	0.214	~~22.99~~
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	1.187	1.128	1.000	1.130	1.008	0.971	1.102	10.41
95)	TM	Hexachlorobutadiene	0.626	0.574	0.469	0.547	0.489	0.489	0.547	12.35
96)	TM	Naphthalene	2.965	2.783	2.498	2.806	2.606	2.388	2.674	8.04
97)	TM	1,2,3-Trichlorobenz	1.120	0.980	0.874	1.005	0.921	0.842	0.977	10.84
98)	TM	1,3,5-Trichlorobenz	1.182	1.259	1.035	1.183	1.053	1.055	1.168	11.65

VMT 8/11/10

(#) = Out of Range ### Number of calibration levels exceeded format ###
V808100C.M Tue Aug 10 16:11:54 2010 Page 3

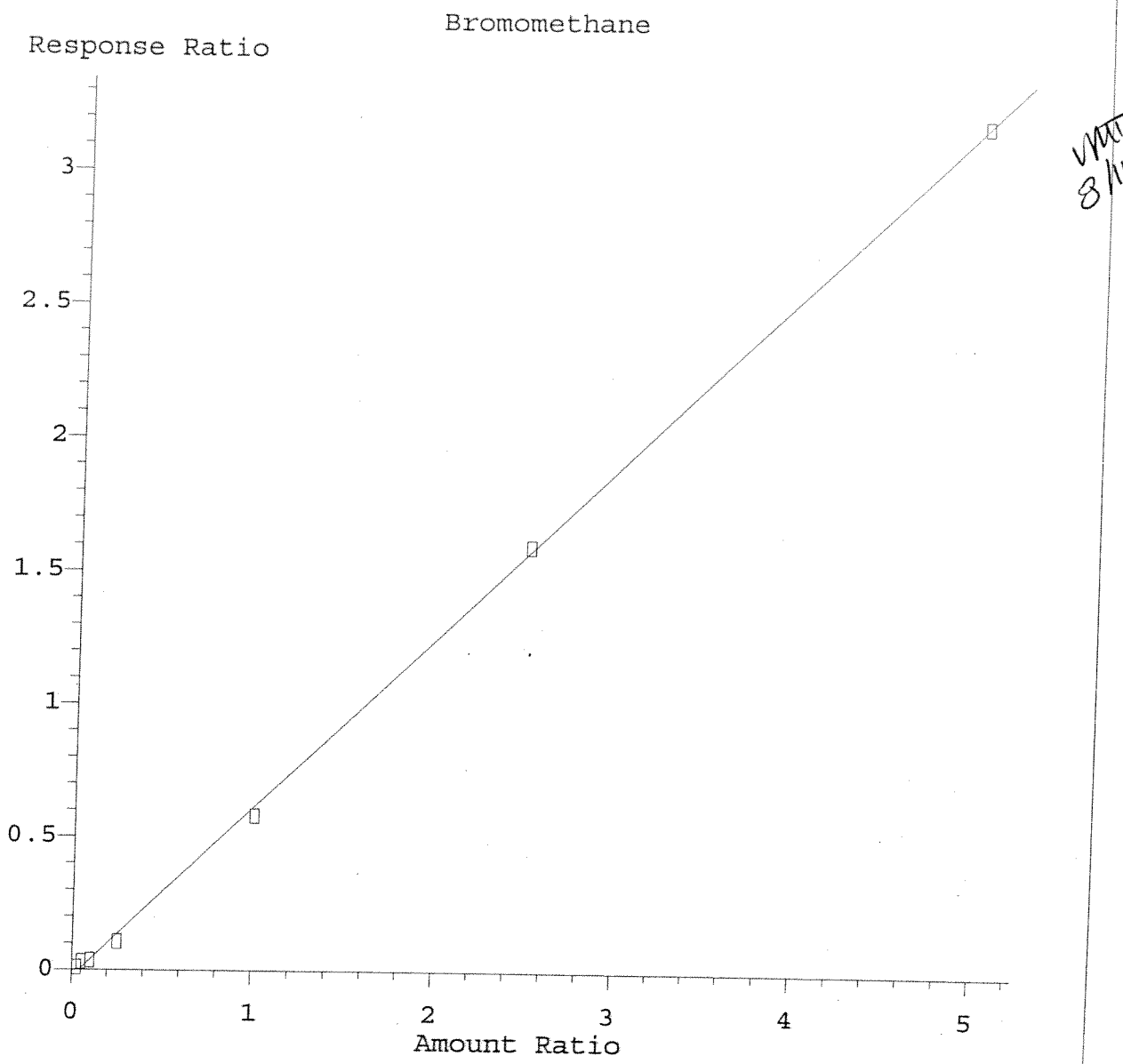
JL
08-11-10



VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:07 2010

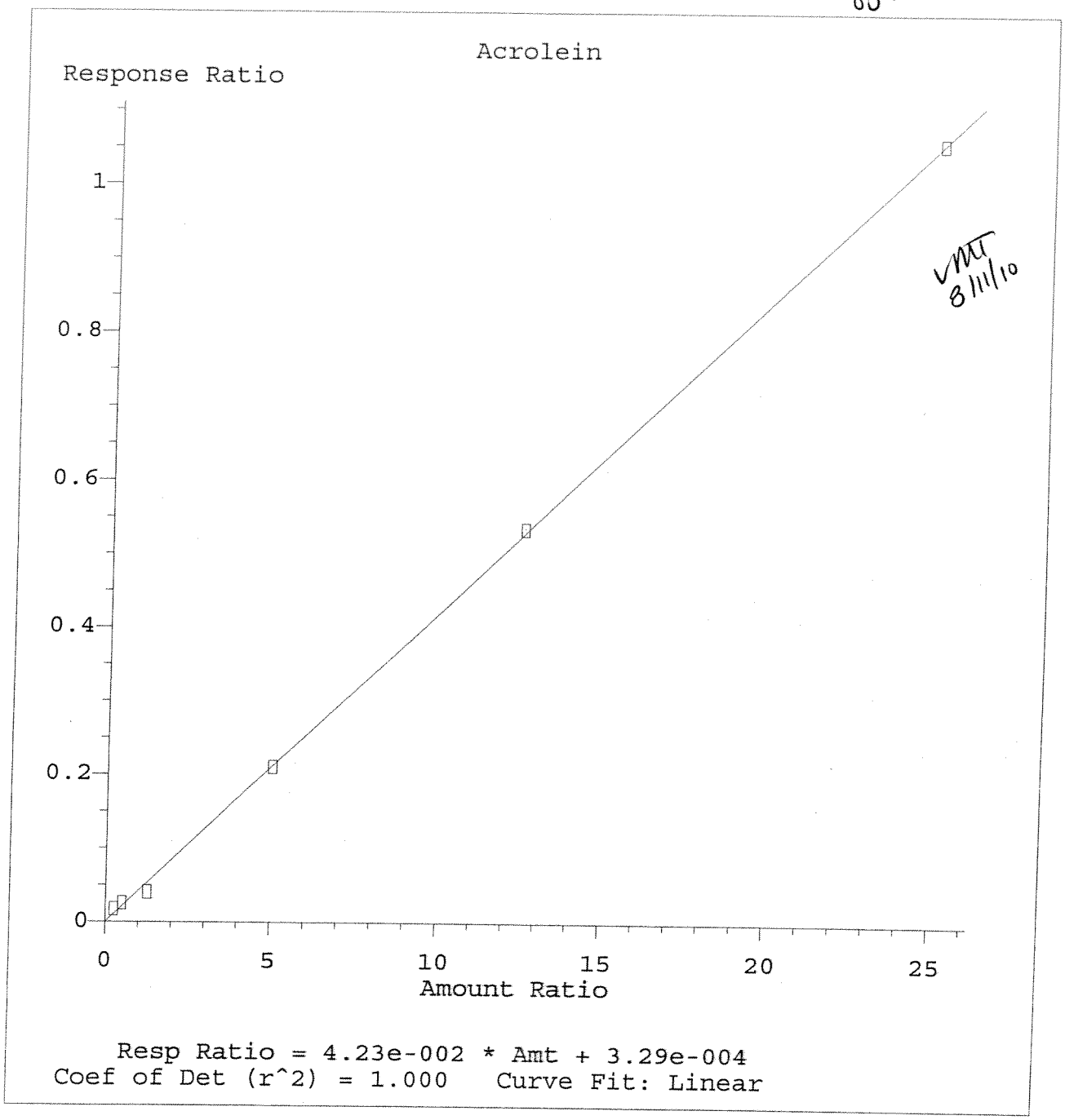
JL 08.11.10



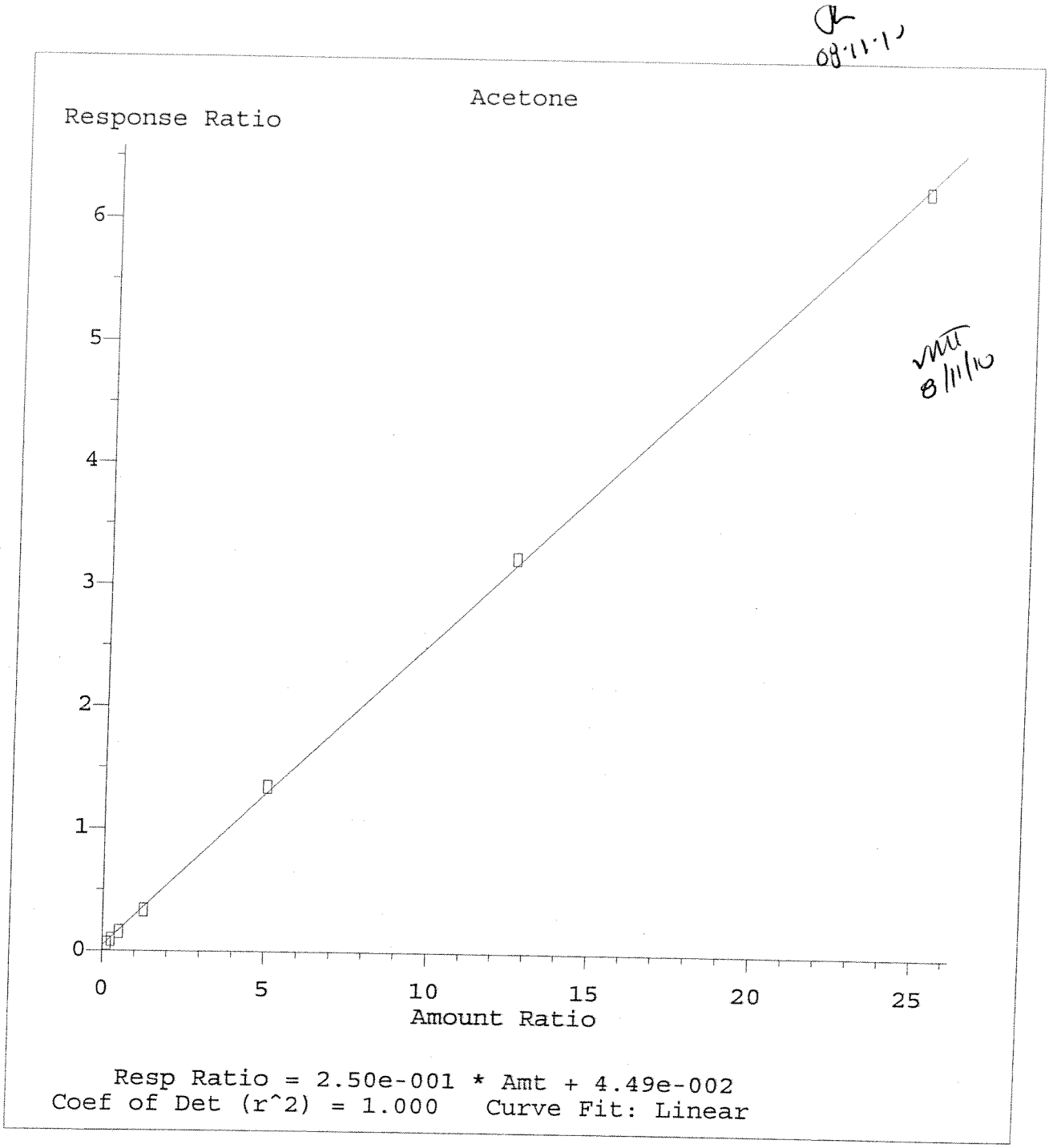
VMT 8/11/10

Resp Ratio = 6.43e-001 * Amt - 2.72e-002
Coef of Det (r^2) = 1.000 Curve Fit: Linear

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:59 2010

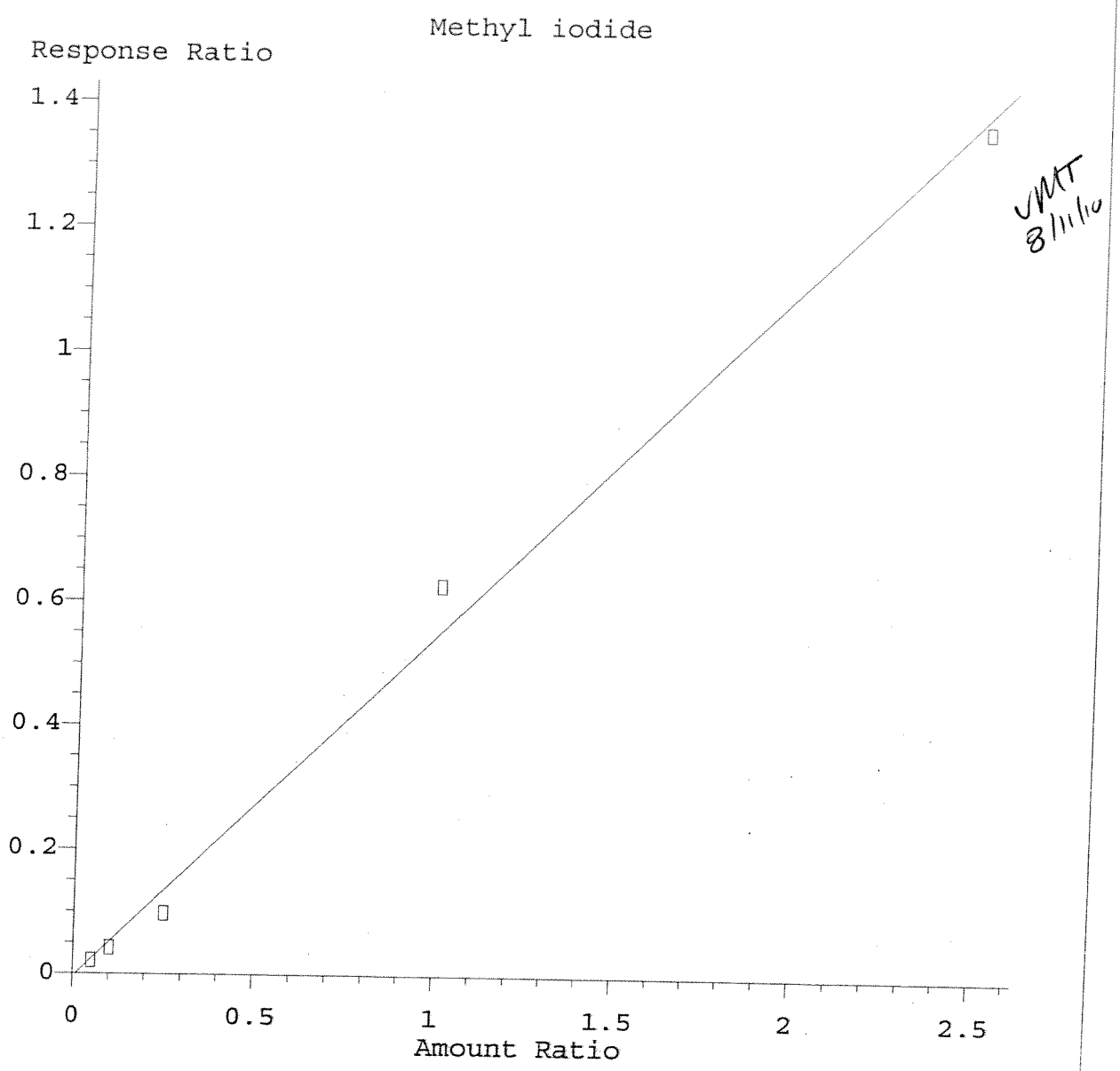


Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:01 2010



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:19 2010

JL 08/11/10

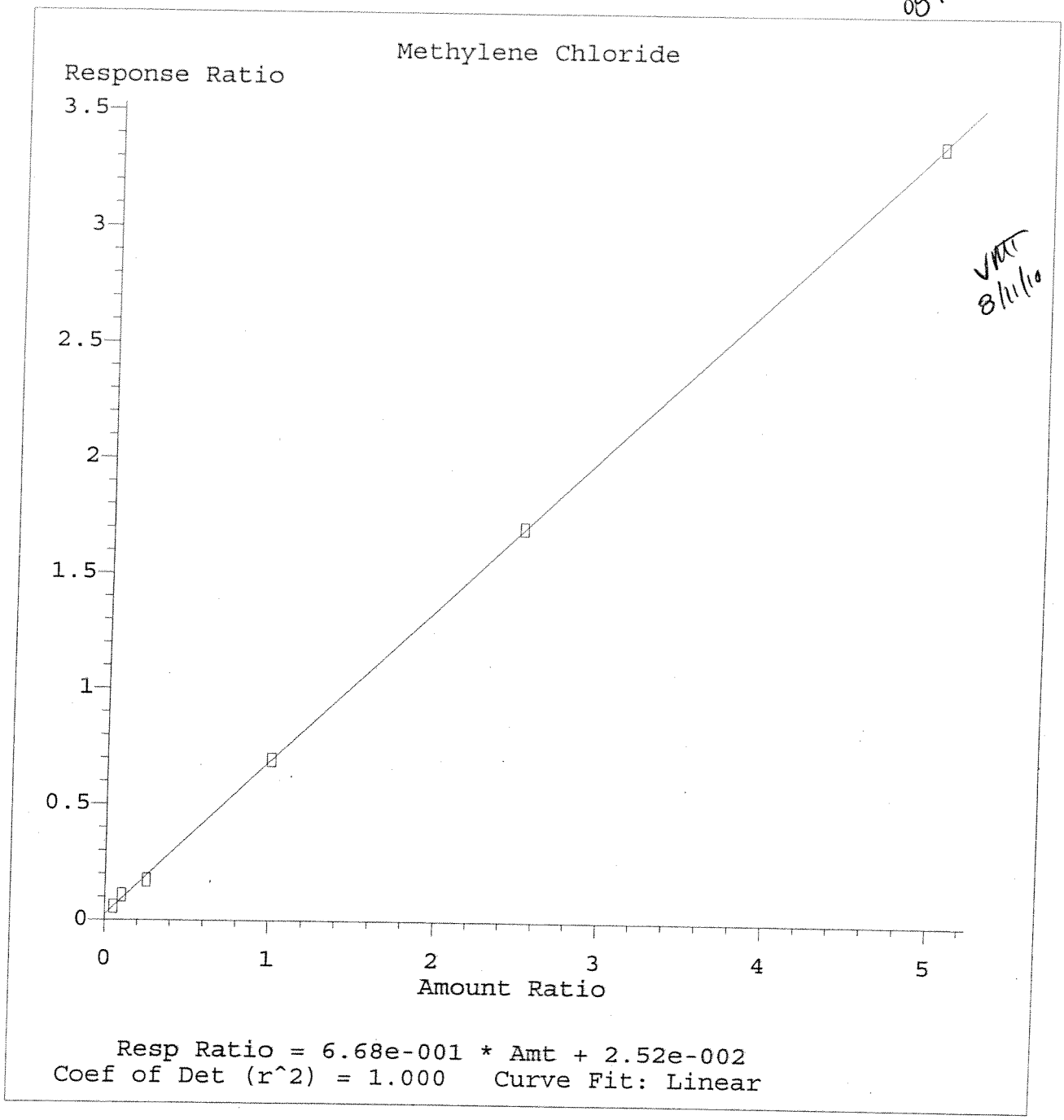


VMT 8/11/10

Resp Ratio = 5.57e-001 * Amt - 4.48e-003
Coef of Det (r^2) = 0.994 Curve Fit: Linear

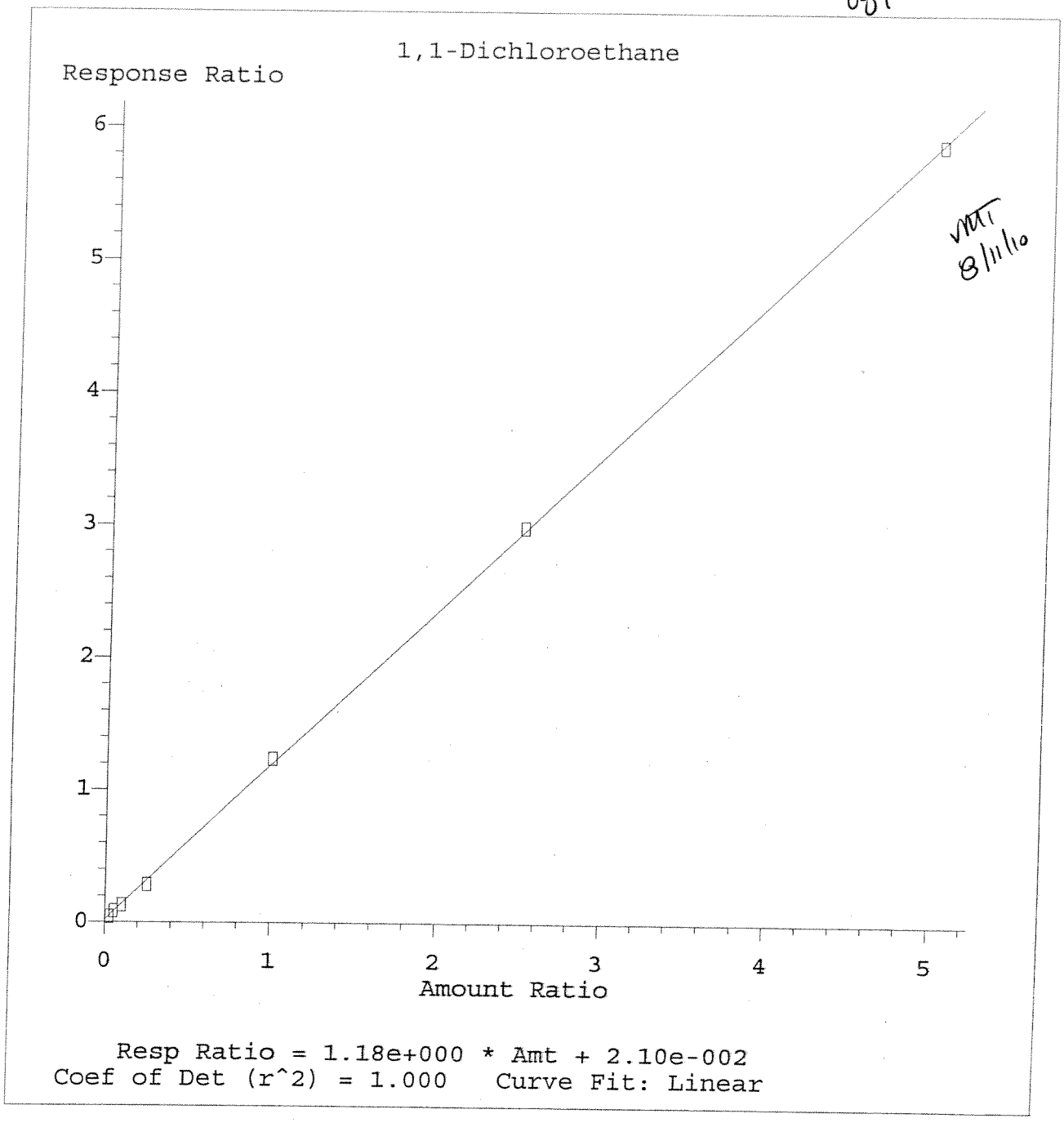
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:42:36 2010

JL
08-11-10



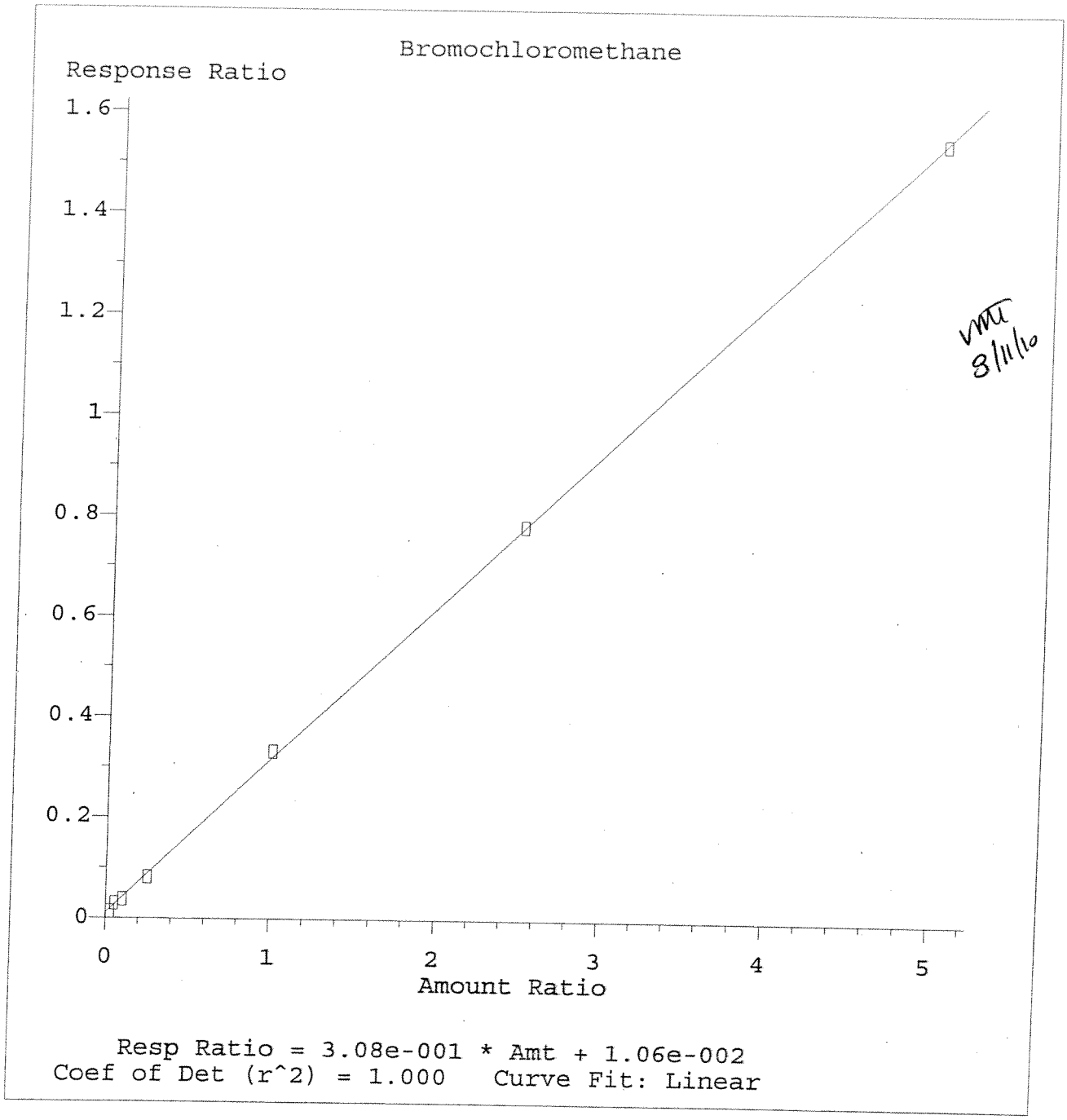
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:00:45 2010

JL 08/11/10



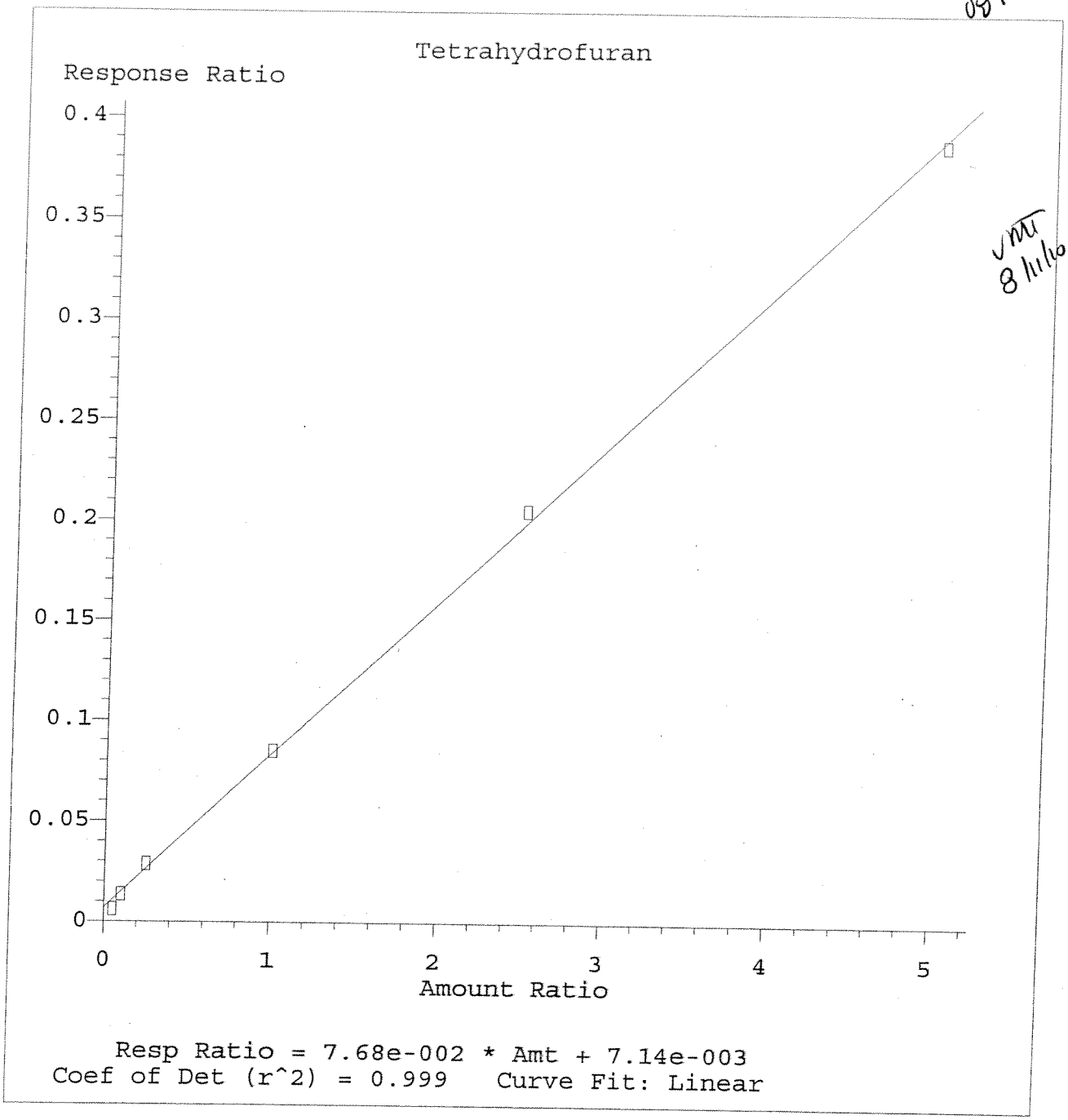
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:02:07 2010

JL
08.11.10



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:11:44 2010

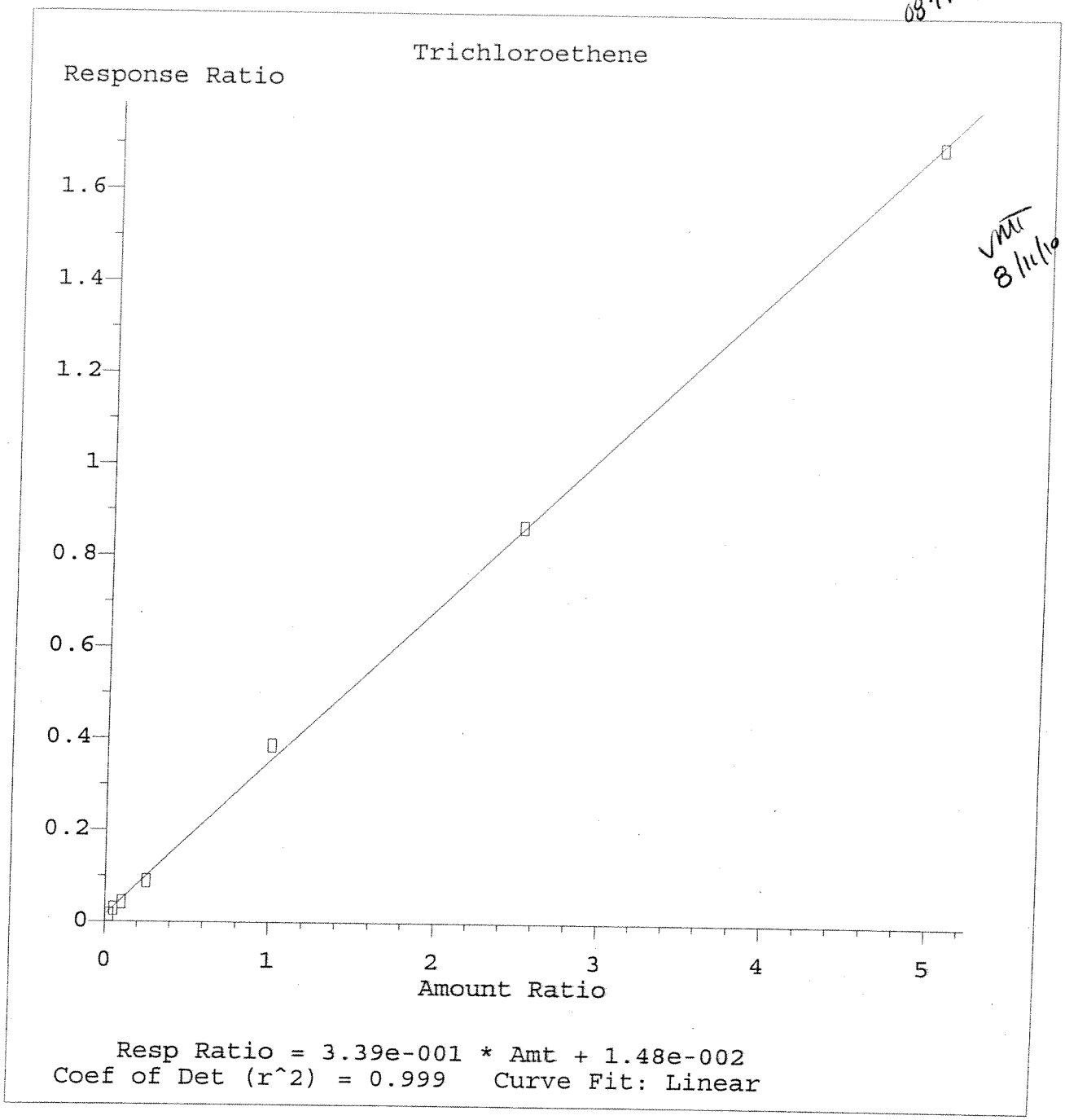
JL
08/11/10



VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:03:57 2010

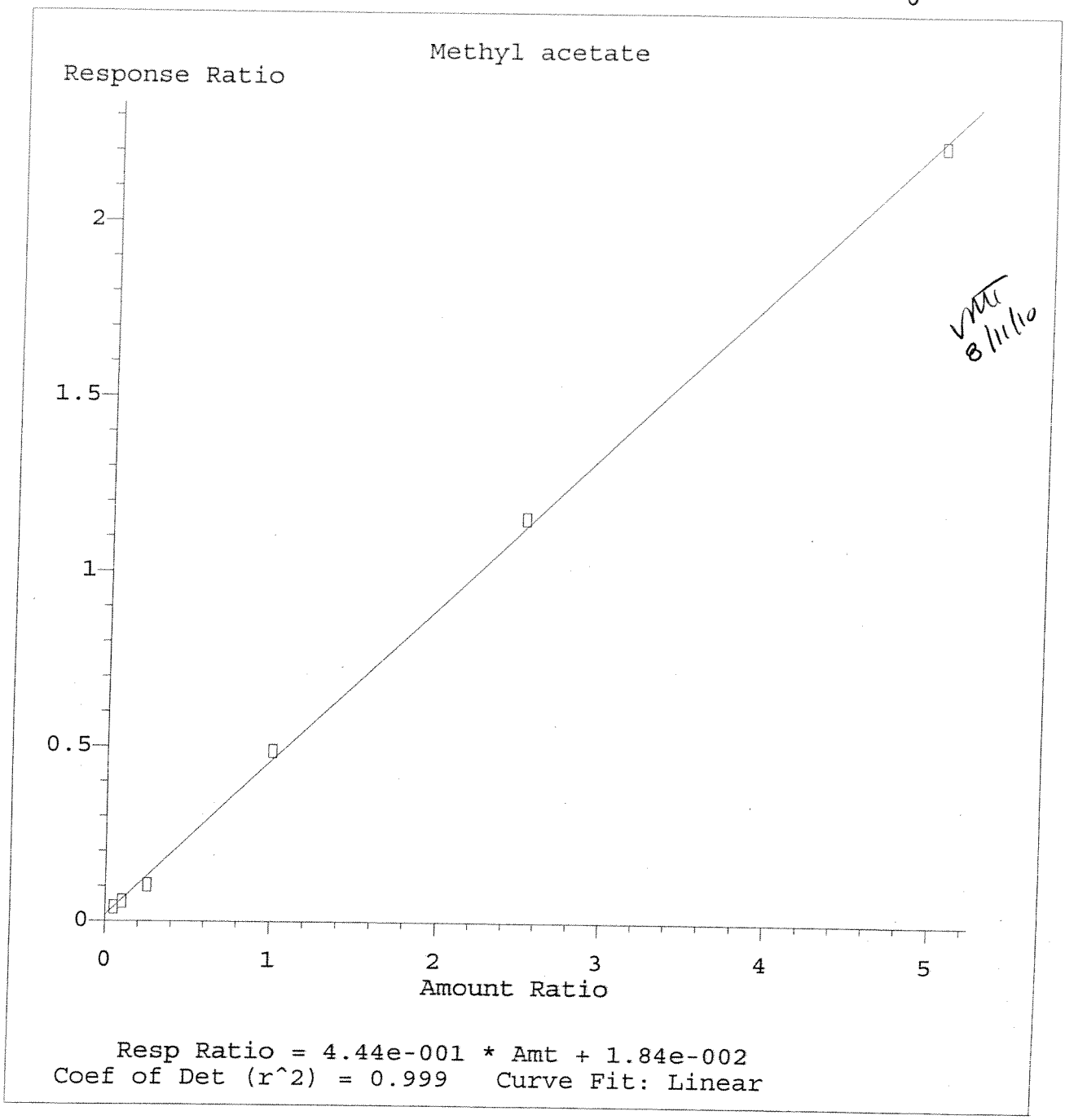
JL
08-11-10



VMT
8/11/10

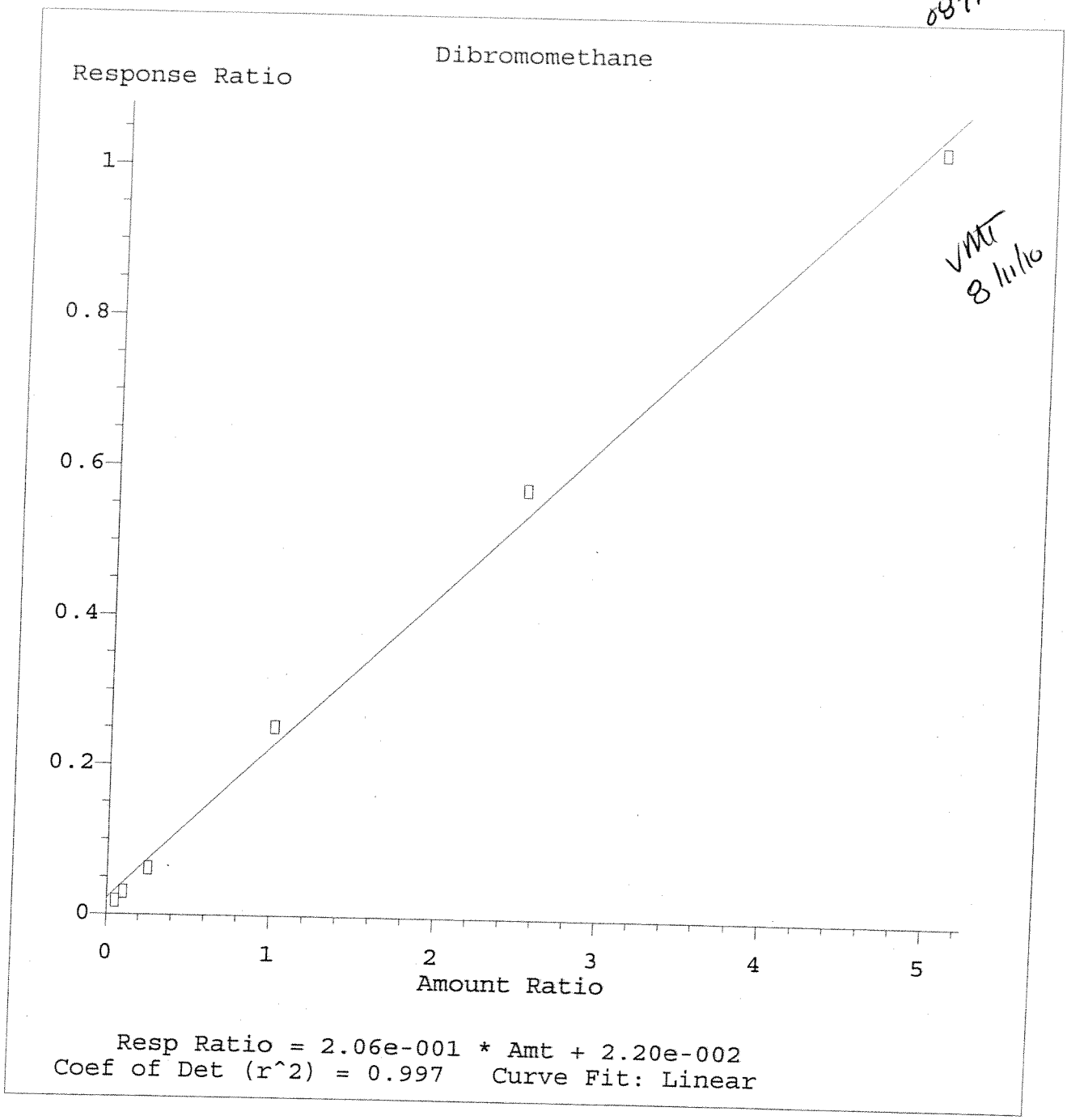
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:02 2010

JR 08.11.10

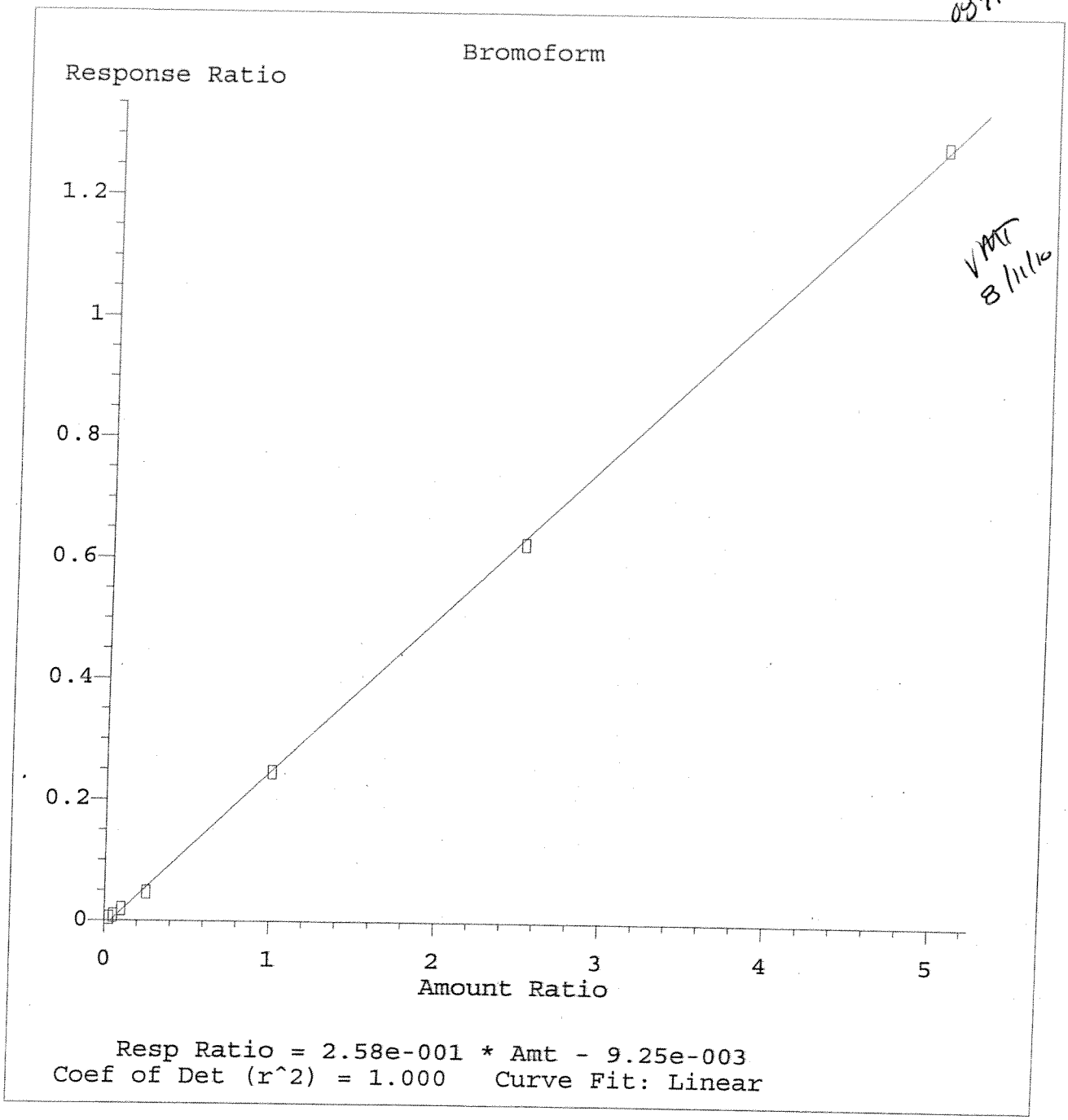


Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:39 2010

JL 08/11/10

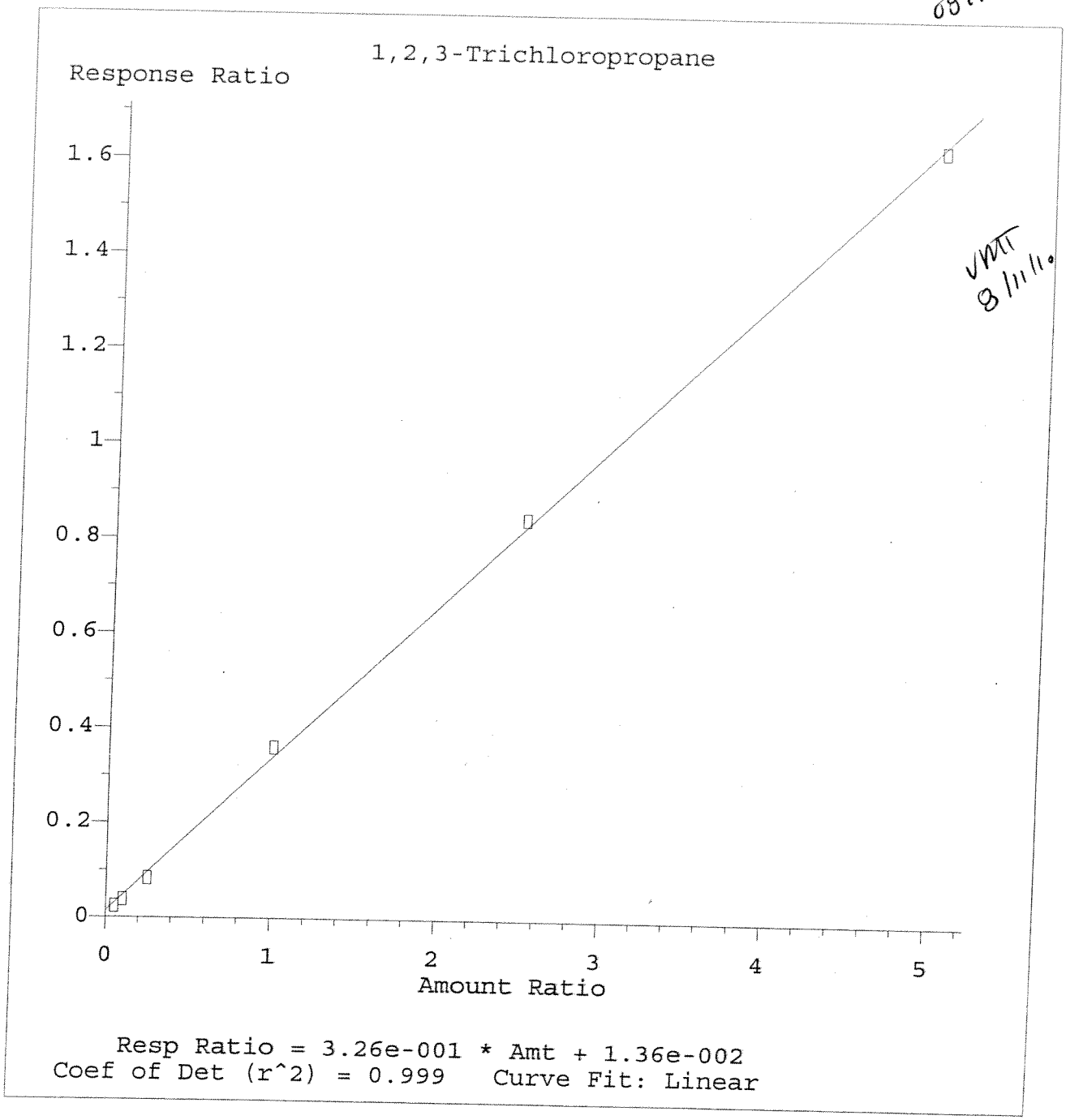


Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:06:08 2010



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:08:39 2010

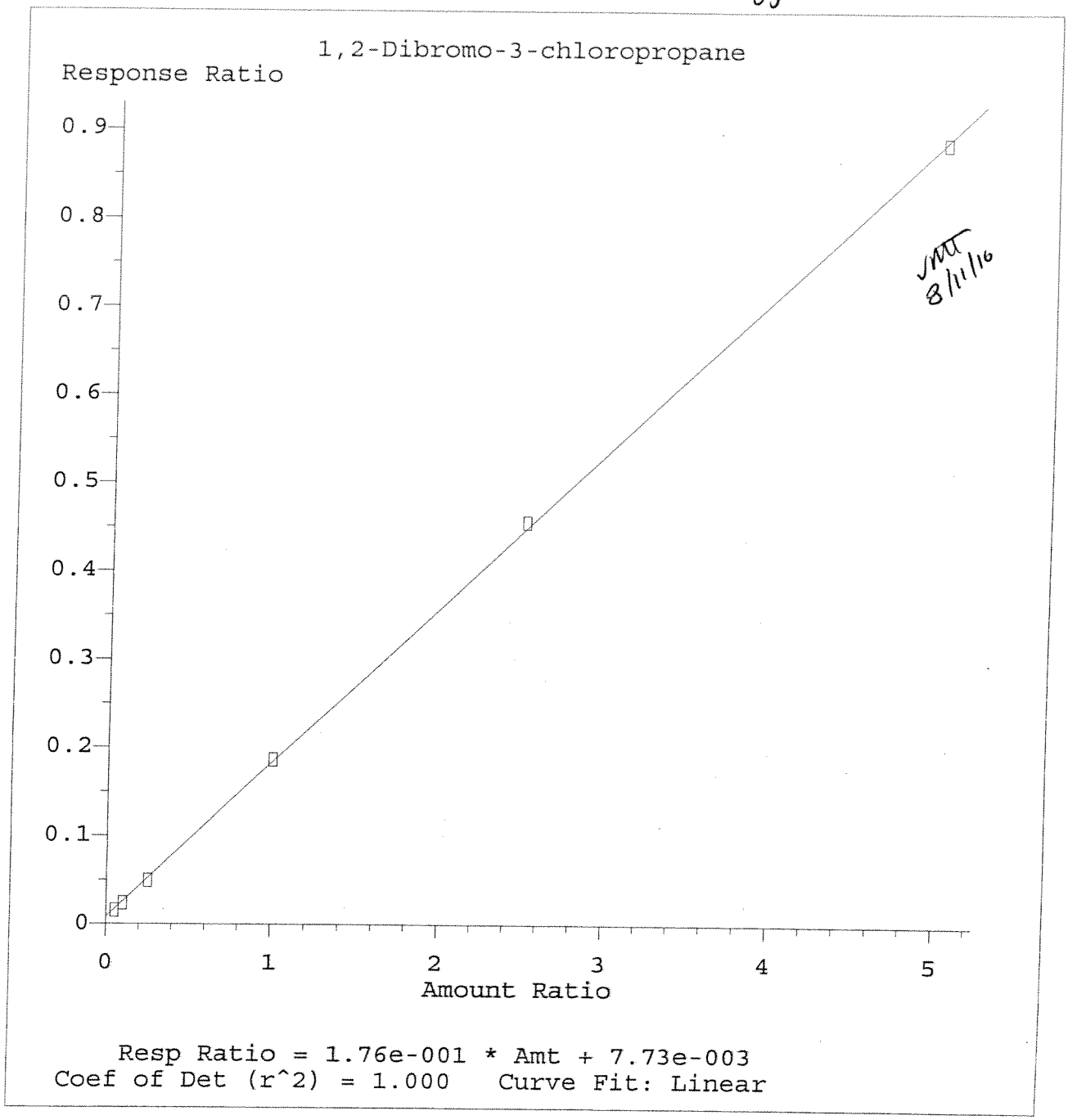
JR 08.11.10



VMT 8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:09:06 2010

JL 03.11.10



VMT 8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:10:49 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08-11-10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	195858	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	379188	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.11	117	335209	20.00 ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	150145	20.00 ug/L	0.00

System Monitoring Compounds

28) DB Holder #28	7.98	65	148991	21.05 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.25%		
36) d4-1,2-Dichloroethane	7.98	65	148991	21.04 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 105.20%		
54) d8-Toluene	10.85	98	420277	17.83 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 89.15%		
73) Bromofluorobenzene	14.99	95	159630	16.02 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.10%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.68	85	3445	Below Cal	99
3) Chloromethane	1.98	50	4811	0.48 ug/L	79
4) Vinyl Chloride	2.02	62	4323	0.66 ug/L	99
5) Bromomethane	2.51	94	1833	0.30 ug/L #	51
6) Chloroethane	2.59	64	3002	0.04 ug/L #	64
7) t-Butyl alcohol (TBA)	3.94	59	1288m	2.55 ug/L	
8) Trichlorofluoromethane	2.91	101	4617m	0.37 ug/L	
9) Diethyl ether	3.35	74	3305m	0.93 ug/L	
10) 1,1,2-Trichlorotrifluoroet	3.56	101	624	0.09 ug/L #	57
11) Acrolein	3.46	56	900	Below Cal #	1
12) Acetone	3.59	43	6777	Below Cal #	62
13) 1,1-Dichloroethene	3.75	96	2185	0.34 ug/L #	14
14) Methyl iodide	4.19	142	547	0.08 ug/L #	43
15) Di-isopropyl ether (DIPE)	5.60	45	8346	0.36 ug/L #	86
16) Methylene Chloride	4.50	84	13953	0.93 ug/L #	83
17) Carbon Disulfide	4.48	76	5851	0.25 ug/L	99
18) Acrylonitrile	4.73	53	1321	0.49 ug/L #	51
19) Methyl-tert-butyl ether (M	4.84	73	5719	0.34 ug/L #	74
20) trans-1,2-Dichloroethene	4.99	61	3501m	0.37 ug/L	
21) 1,1-Dichloroethane	5.72	63	4930m	0.42 ug/L	
22) Vinyl acetate	5.74	43	2894	0.25 ug/L #	74
23) Methyl ethyl ketone	6.42	72	995	Below Cal #	69
24) Ethyl t-butyl ether (ETBE)	6.25	59	6119	0.30 ug/L #	88
25) 2,2-Dichloropropane	6.65	77	523	0.06 ug/L	84
26) cis-1,2-Dichloroethene	6.63	96	2545	0.33 ug/L #	79
27) t-Amyl methyl ether (TAME)	7.98	73	6437	0.34 ug/L #	71

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

J 0871-1 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
29)	Chloroform	6.90	83	4401	0.31 ug/L		82
30)	Bromochloromethane	7.13	128	1064	Below Cal	#	12
31)	Tetrahydrofuran	7.26	71	320	Below Cal	#	53
32)	1,1,1-Trichloroethane	7.52	97	2812	0.24 ug/L		84
33)	Ethanol	2.70	45	2321	Below Cal	#	18
34)	1,1-Dichloropropene	7.74	75	3536	0.35 ug/L		83
35)	Carbon Tetrachloride	7.89	119	1023m	0.16 ug/L		
37)	1,2-Dichloroethane	8.11	62	4642	0.50 ug/L		76
38)	Benzene	8.12	78	7723	0.30 ug/L		99
40)	Trichloroethene	9.07	95	2380	0.24 ug/L	#	60
41)	1,2-Dichloropropane	9.32	63	2676	0.36 ug/L		81
42)	Methylmethacrylate	9.46	69	2123	0.39 ug/L	#	69
43)	Methyl acetate	4.31	43	640	0.07 ug/L	#	12
44)	Cyclohexane	7.53	56	1678	0.15 ug/L		96
45)	Bromodichloromethane	9.66	83	2764	0.24 ug/L		94
46)	Dibromomethane	9.74	93	2213	0.34 ug/L		91
47)	1,4-Dioxane	9.74	88	431	Below Cal	#	1
48)	Methylcyclohexane	9.15	83	3457	0.25 ug/L		89
50)	2-Chloroethylvinyl ether	10.17	63	742	0.18 ug/L	#	66
51)	2-Hexanone	11.56	58	3816	1.36 ug/L		76
52)	Methyl isobutyl ketone	10.23	58	4189	1.41 ug/L	#	79
53)	cis-1,3-Dichloropropene	10.50	75	3397	0.26 ug/L		86
55)	Toluene	10.96	92	5093	0.26 ug/L	#	73
56)	trans-1,3-Dichloropropene	11.26	75	3206	0.25 ug/L		79
58)	1,1,2-Trichloroethane	11.48	83	1596	0.25 ug/L	#	86
59)	1,3-Dichloropropane	11.86	76	2910	0.23 ug/L		94
60)	Tetrachloroethene	11.94	166	1900	0.24 ug/L	#	68
61)	Dibromochloromethane	12.25	129	1740	0.18 ug/L		97
62)	1,2-Dibromoethane	12.53	107	1788	0.22 ug/L	#	74
64)	Chlorobenzene	13.17	112	5158	0.29 ug/L	#	80
65)	1,1,1,2-Tetrachloroethane	13.25	131	2308	0.29 ug/L		83
66)	Ethylbenzene	13.27	91	8132	0.22 ug/L		81
67)	m,p-Xylene	13.40	106	6230	0.54 ug/L	#	54
68)	o-Xylene	14.06	106	3144	0.28 ug/L	#	73
69)	Styrene	14.12	104	5359	0.27 ug/L		77
70)	Bromoform	14.60	173	738	0.15 ug/L		98
71)	Isopropylbenzene	14.61	105	8203	0.27 ug/L		90
72)	1,1,2,2-Tetrachloroethane	14.88	83	2955	0.28 ug/L	#	89
75)	trans-1,4-Dichloro-2-buten	15.22	89	641	0.21 ug/L	#	1
76)	n-Propylbenzene	15.24	91	9352	0.21 ug/L		100
77)	Bromobenzene	15.27	156	1859	0.24 ug/L	#	58

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78)	1,3,5-Trimethylbenzene	15.50	105	7027	0.28 ug/L	95
79)	2-Chlorotoluene	15.50	91	6727	0.24 ug/L	56
80)	4-Chlorotoluene	15.57	91	6217	0.23 ug/L	89
81)	tert-butylbenzene	16.03	119	5965	0.27 ug/L #	60
82)	1,2,4-Trimethylbenzene	16.10	105	7932	0.30 ug/L	94
83)	Diisobutylketone	15.19	57	24454	1.42 ug/L #	80
84)	sec-butylbenzene	16.38	105	9916	0.30 ug/L	85
85)	p-isopropyltoluene	16.59	119	7142	0.25 ug/L	92
86)	1,3-Dichlorobenzene	16.71	146	3452	0.24 ug/L #	87
88)	1,4-Dichlorobenzene	16.88	146	3518	0.27 ug/L #	72
89)	n-butylbenzene	17.24	91	7720	0.29 ug/L	83
90)	1,2-Dichlorobenzene	17.45	146	2900	0.25 ug/L #	84
92)	1,2-Dibromo-3-chloropropan	18.69	75	776	Below Cal #	25
94)	1,2,4-Trichlorobenzene	20.10	180	2291	0.27 ug/L	97
95)	Hexachlorobutadiene	20.34	225	1076	0.18 ug/L	79
96)	Naphthalene	20.50	128	6488	0.30 ug/L	87
97)	1,2,3-Trichlorobenzene	20.91	180	2141	0.29 ug/L	92
98)	1,3,5-Trichlorobenzene	19.10	180	2409	0.28 ug/L	82

(#) = qualifier out of range (m) = manual integration

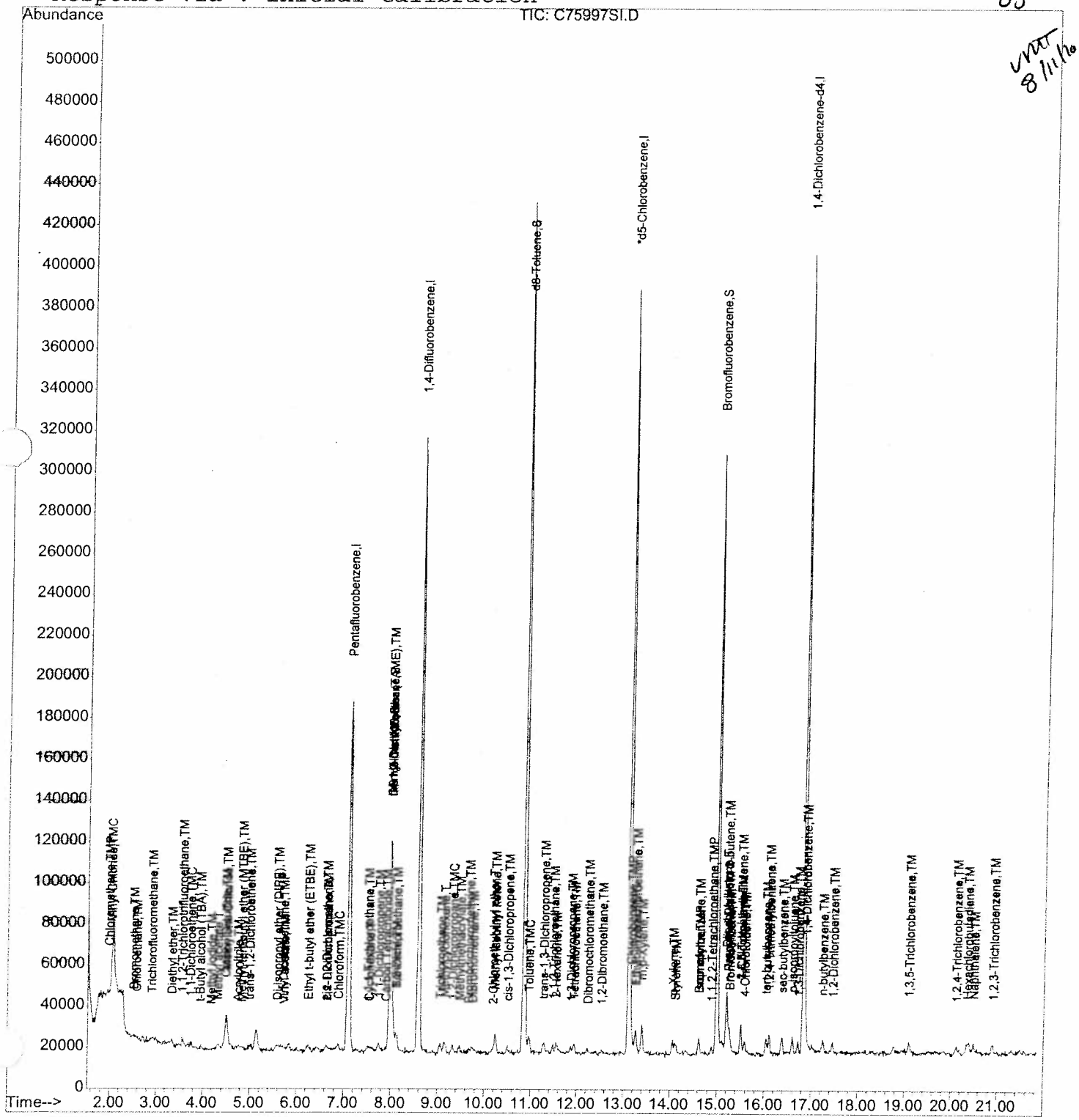
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JL 08-11-10

VMT 8/11/10



Quantitation Report (Qedit)

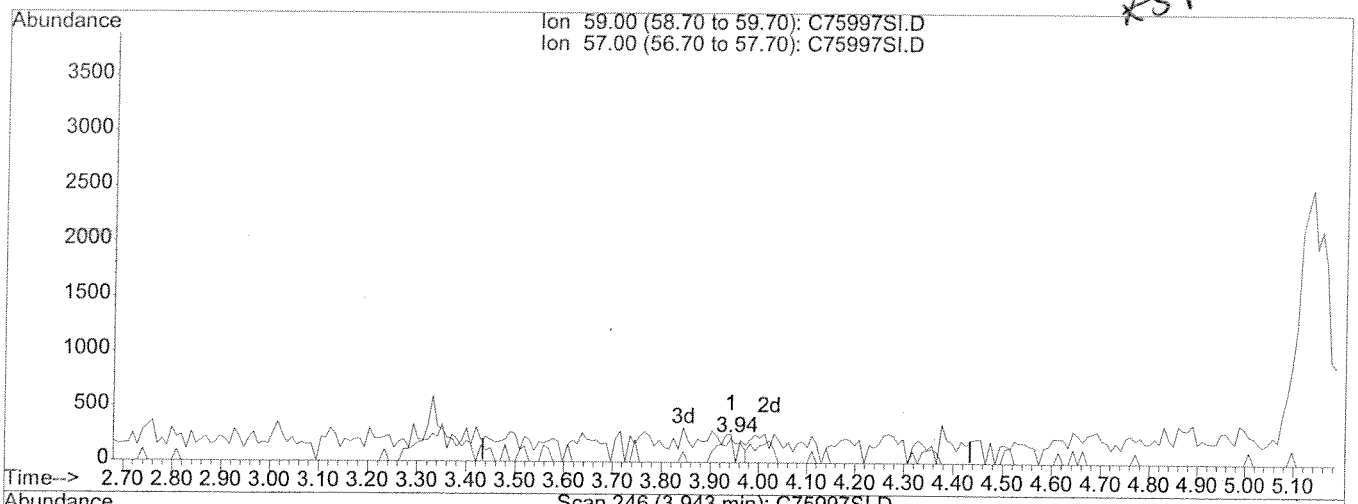
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 12:56 2010 Quant Results File: temp.res

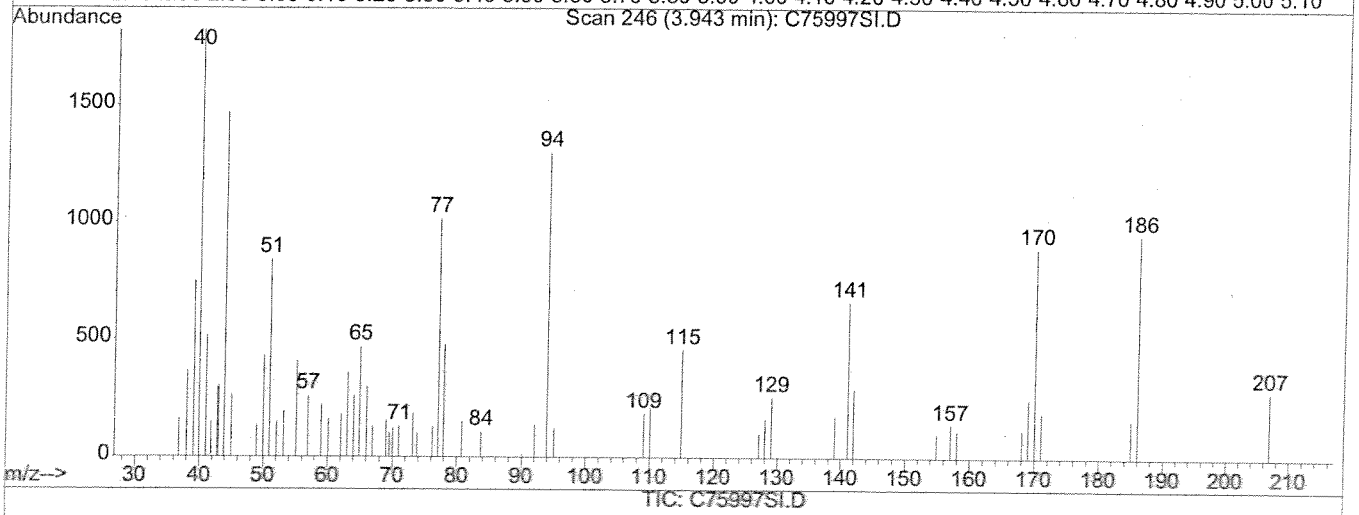
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

Jh 08.11.10 *SP

* Point Not used in the Curve

VMT 8/11/10





(7) t-Butyl alcohol (TBA) (TM)

3.94min 1.46ug/L

response 740

Ion	Exp%	Act%
59.00	100	100
57.00	8.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

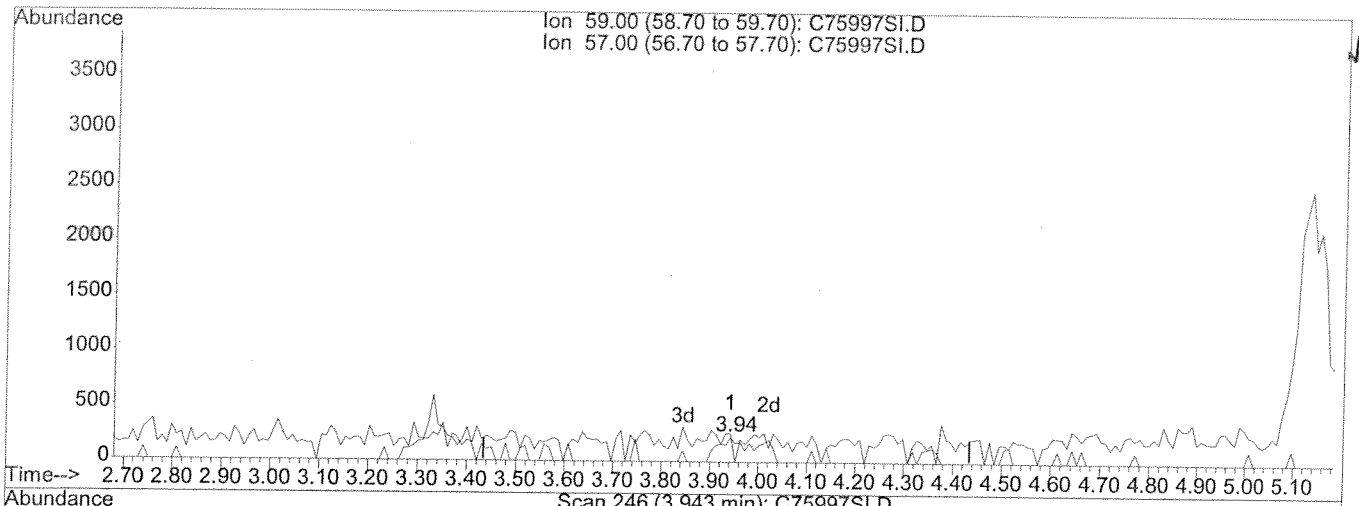
Quantitation Report (Qedit)

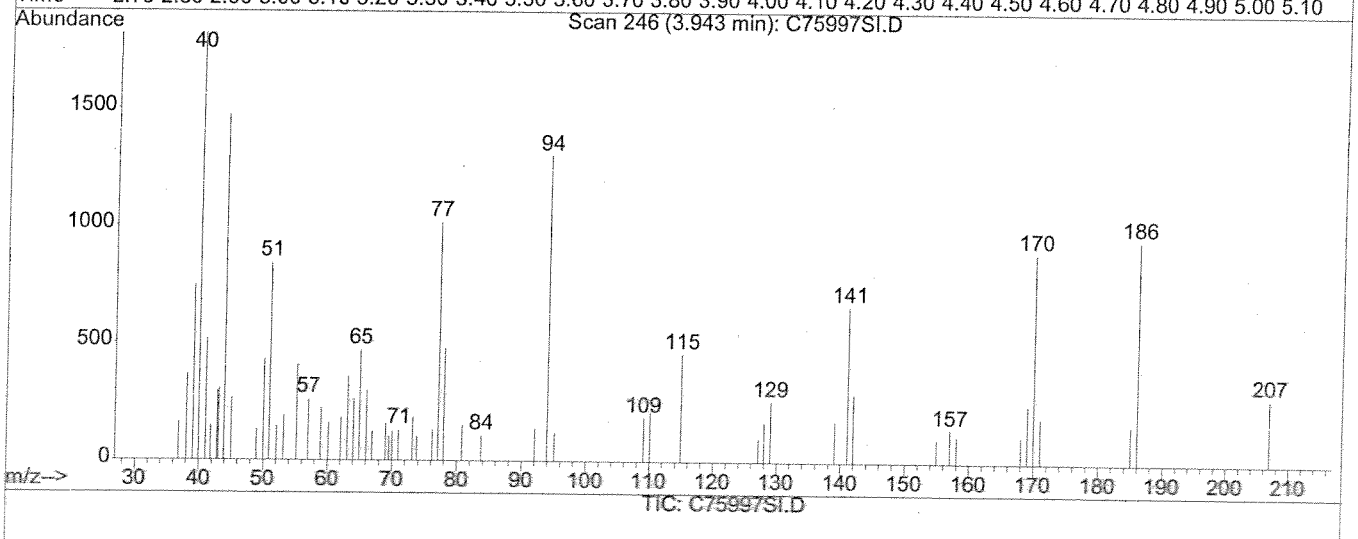
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10

MM 8/11/10





(7) t-Butyl alcohol (TBA) (TM)

3.94min 2.55ug/L m

response 1288

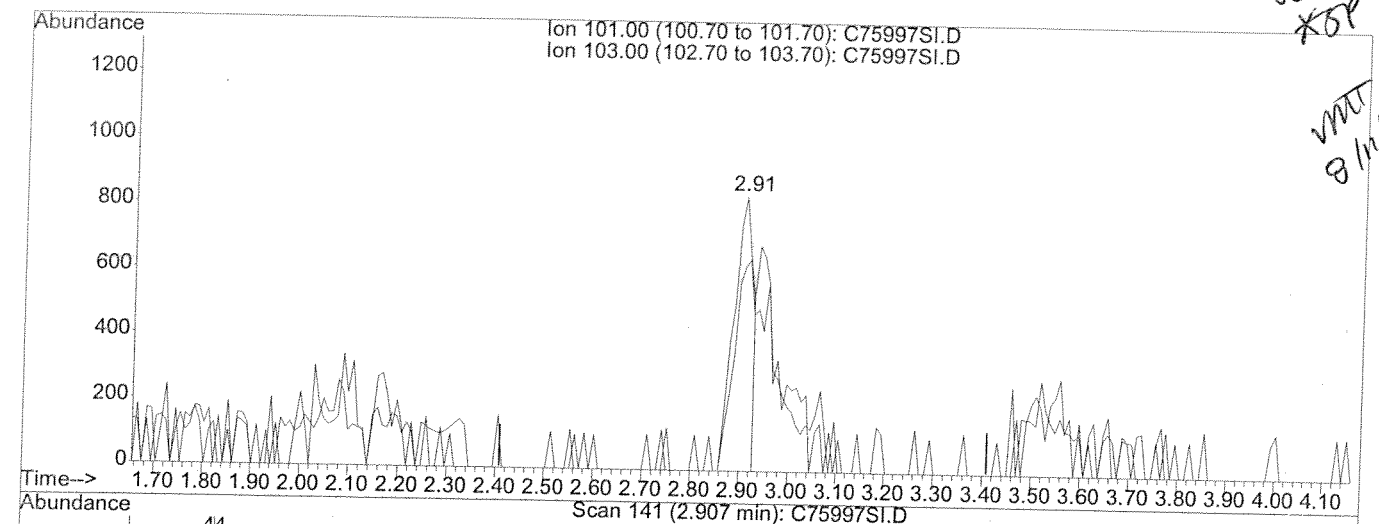
Ion	Exp%	Act%
59.00	100	100
57.00	8.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

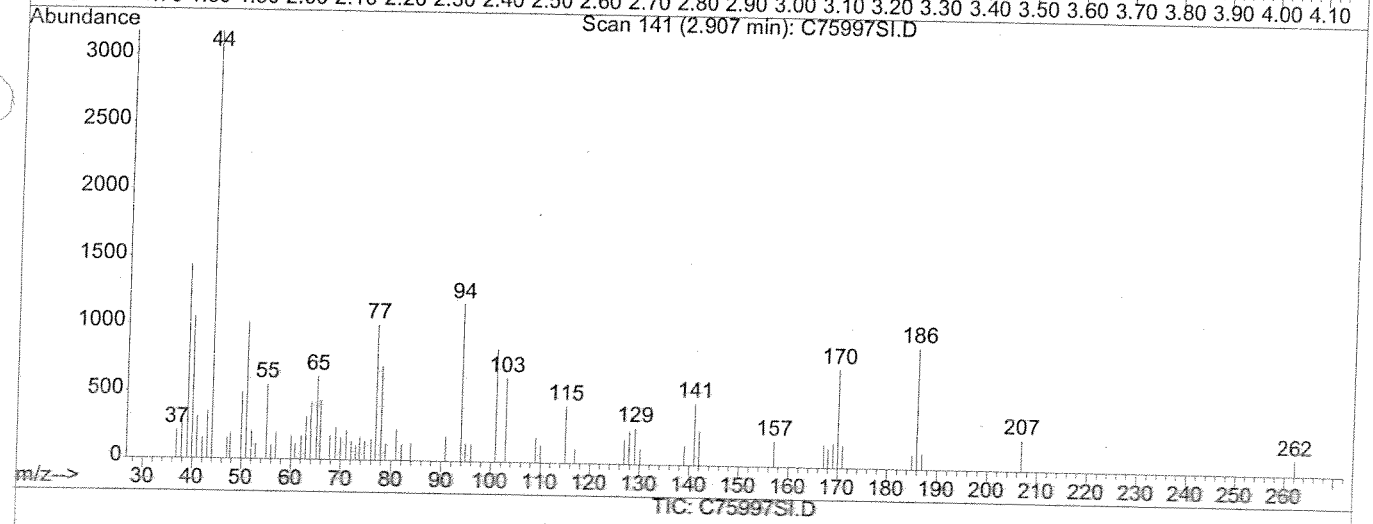
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10 KGP VMT 8/11/10





(8) Trichlorofluoromethane (TM)

2.91min 0.18ug/L

response 2288

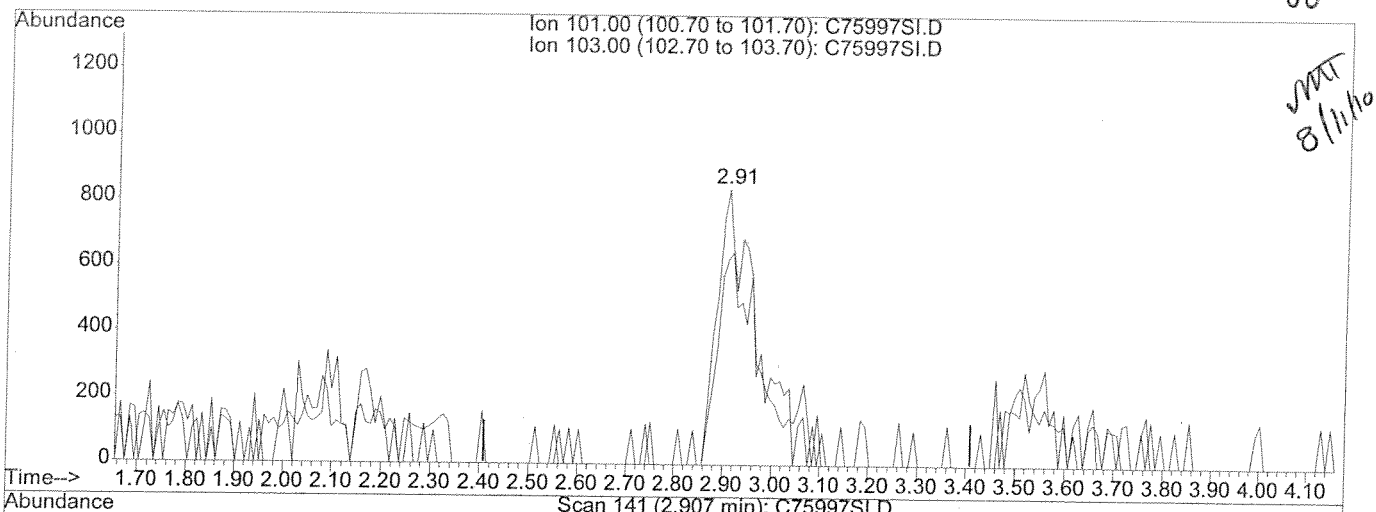
Ion	Exp%	Act%
101.00	100	100
103.00	65.60	74.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

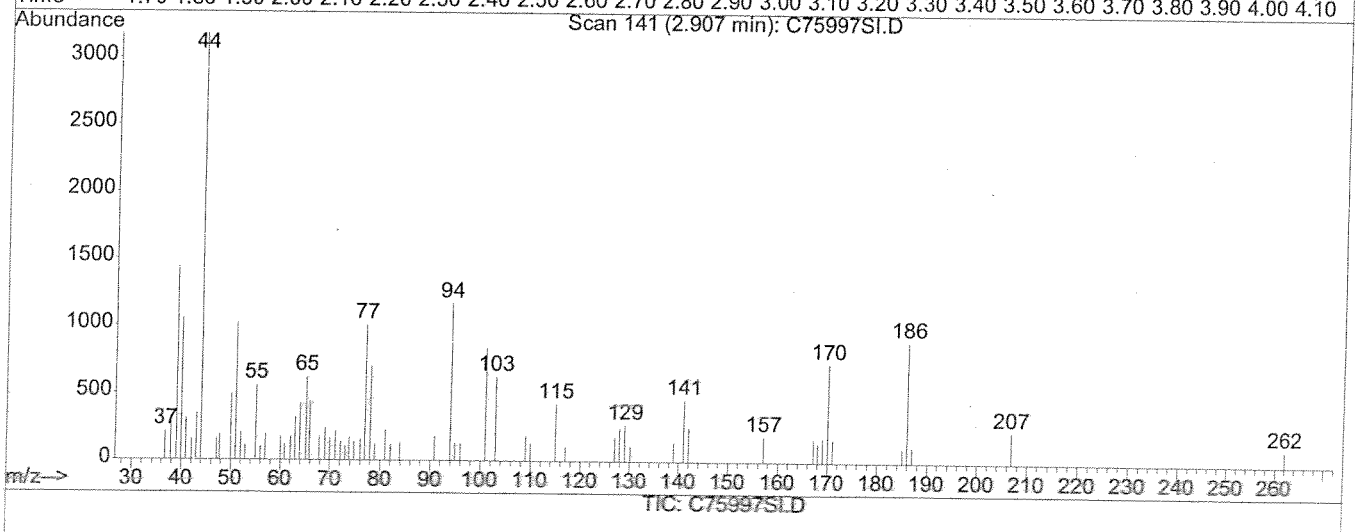
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10



VMT 8/11/10



TIC: C75997SI.D

(8) Trichlorofluoromethane (TM)

2.91min 0.37ug/L m

response 4617

Ion	Exp%	Act%
101.00	100	100
103.00	65.60	74.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

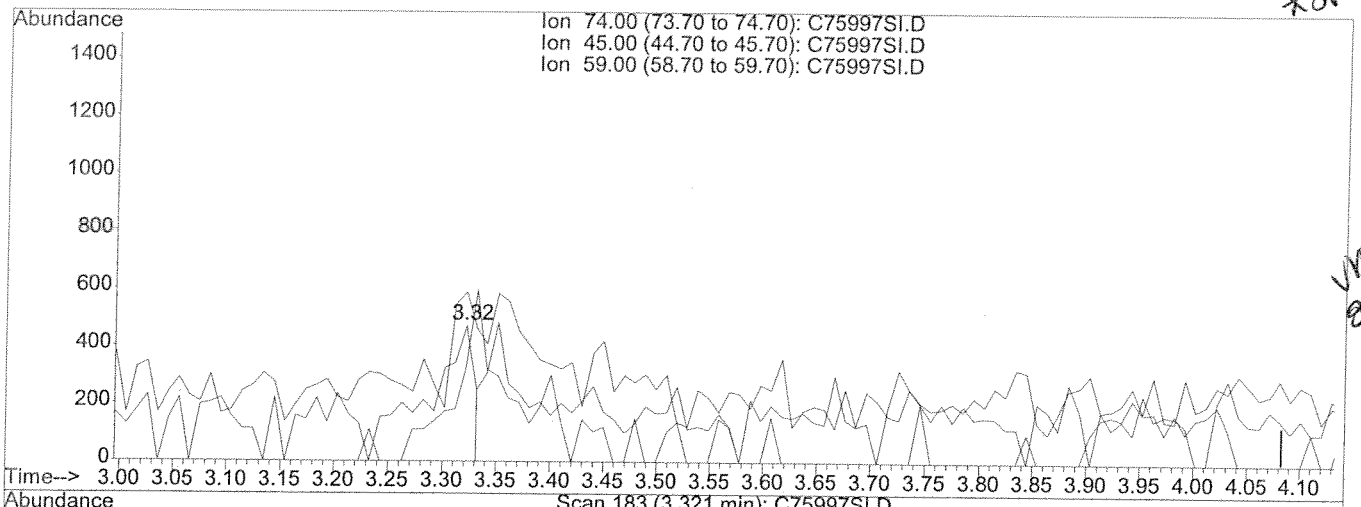
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

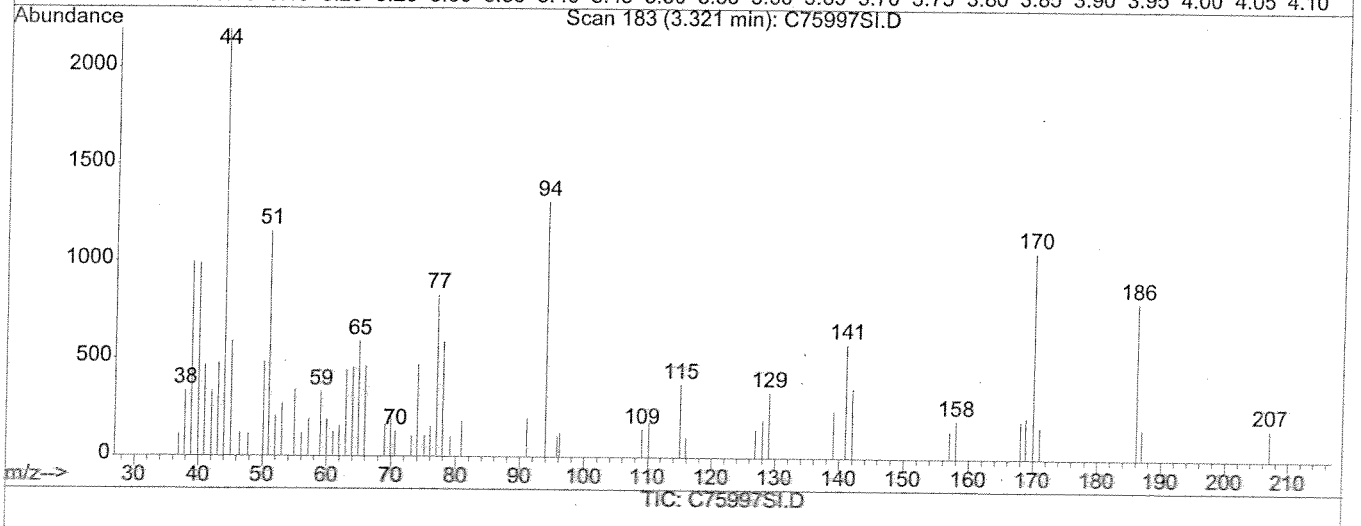
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 09 11-10 *SP

*Point Not used in the Curve

VMT 8/11/10





(9) Diethyl ether (TM)

3.32min 0.41ug/L

response 1456

Ion	Exp%	Act%
74.00	100	100
45.00	148.10	51.44#
59.00	162.00	114.56#
0.00	0.00	0.00

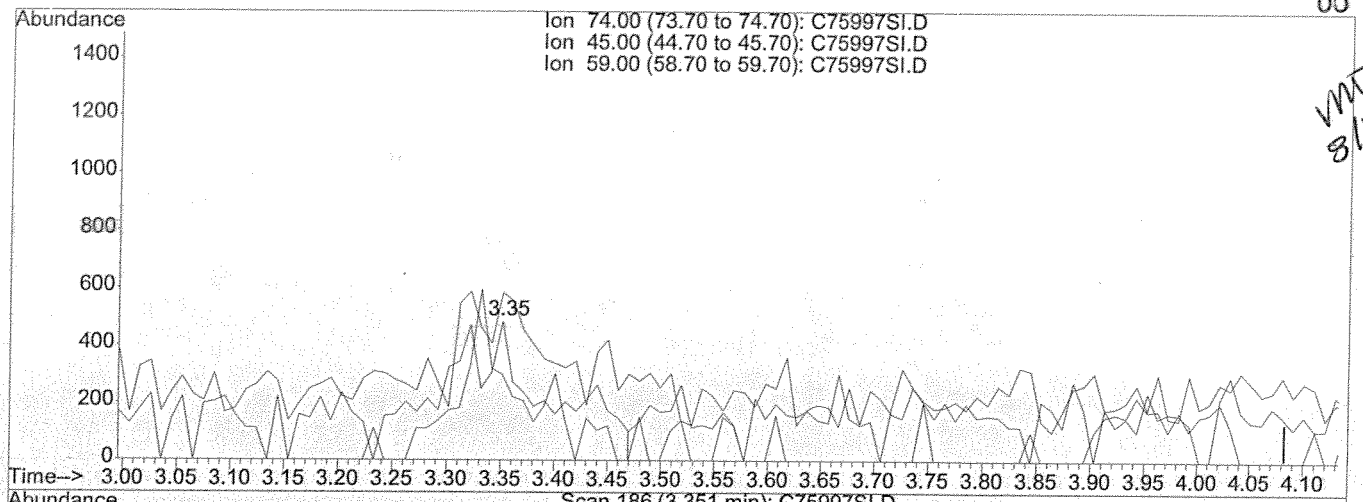
Quantitation Report (Qedit)

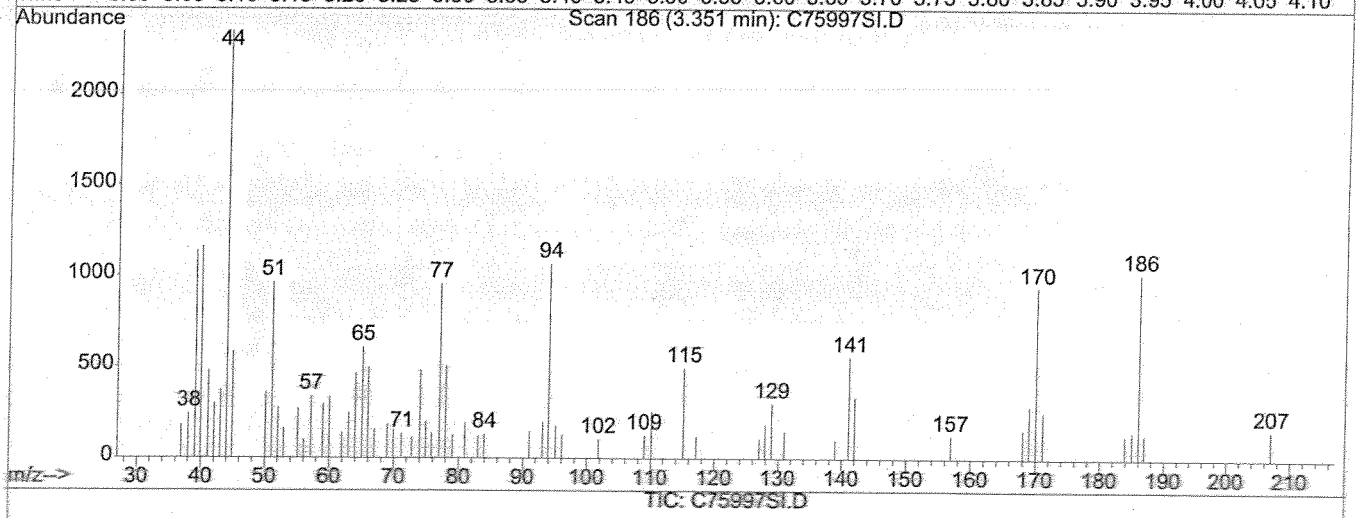
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JC 08-11-10

MT 8/11/10





(9) Diethyl ether (TM)

3.35min 0.93ug/L m

response 3305

Ion	Exp%	Act%
74.00	100	100
45.00	148.10	22.66#
59.00	162.00	50.47#
0.00	0.00	0.00

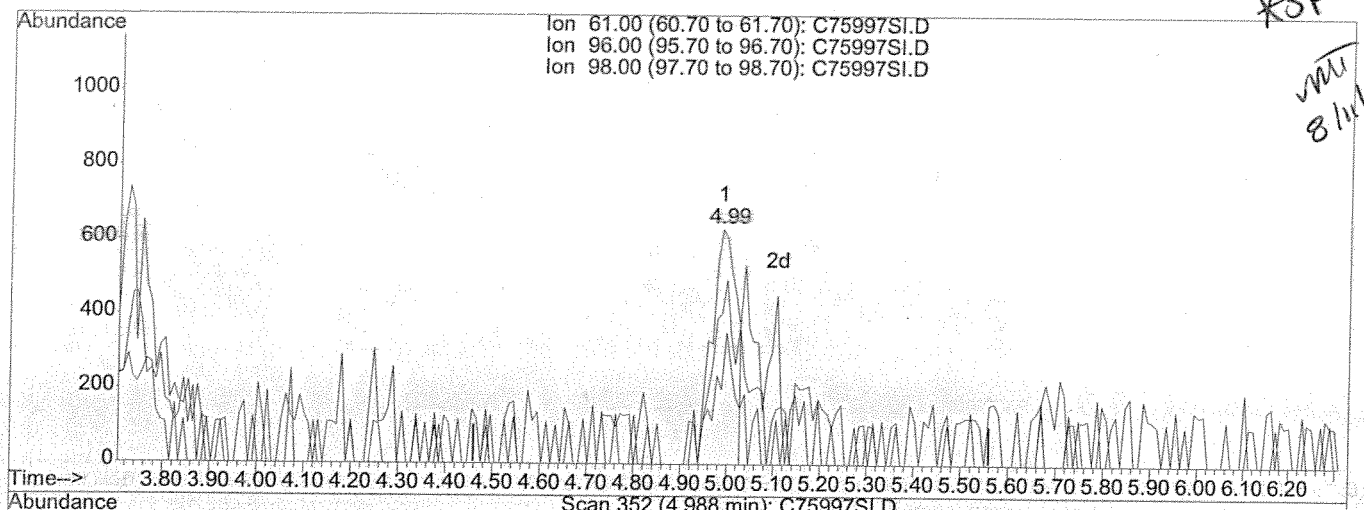
Quantitation Report (Qedit)

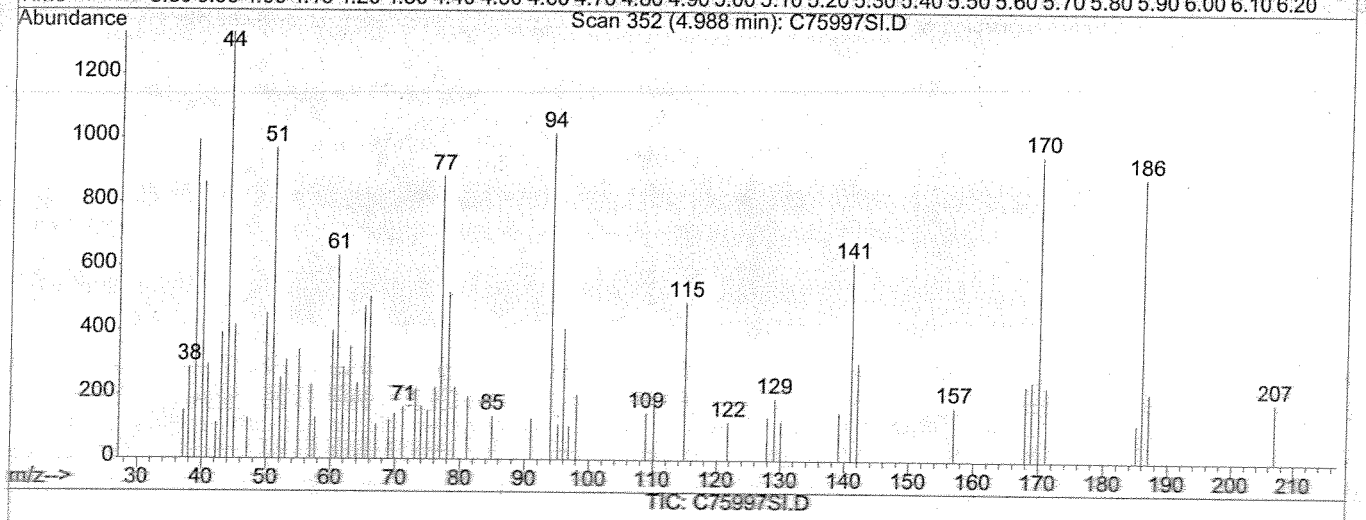
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10 KSP

MM 8/11/10





TIC: C75997SI.D

(20) trans-1,2-Dichloroethene (TM)

4.99min 0.26ug/L

response 2490

Ion	Exp%	Act%
61.00	100	100
96.00	80.00	64.30
98.00	50.20	31.91
0.00	0.00	0.00

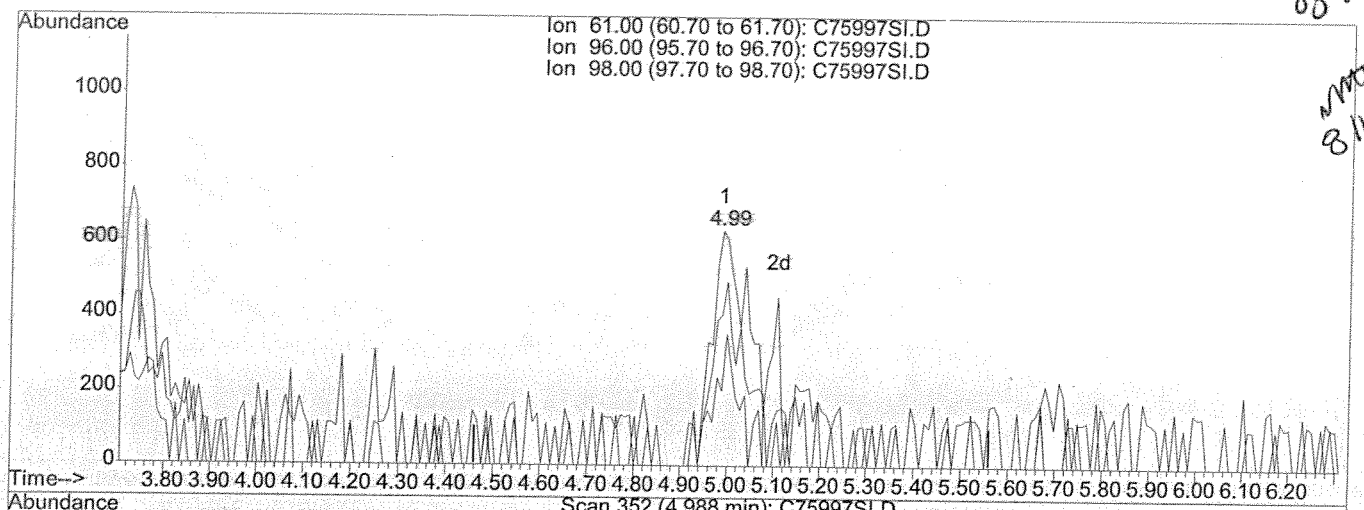
Quantitation Report (Qedit)

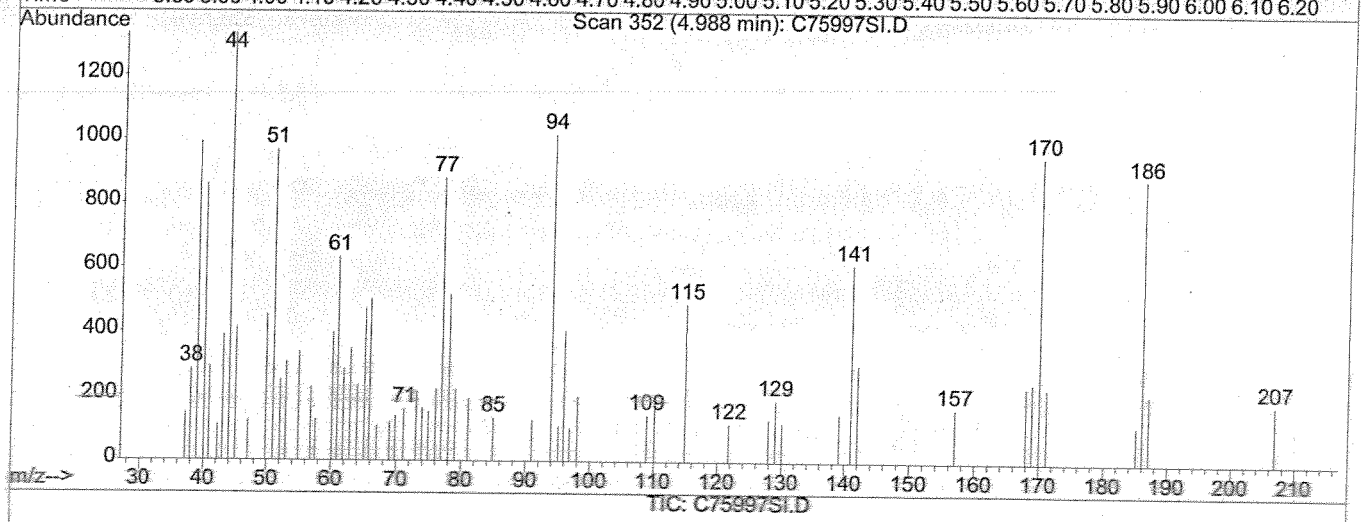
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:04 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL
08-11-10

MMT
8/11/10





(20) trans-1,2-Dichloroethene (TM)

4.99min 0.37ug/L m

response 3501

Ion	Exp%	Act%
61.00	100	100
96.00	80.00	64.30
98.00	50.20	31.91
0.00	0.00	0.00

Quantitation Report (Qedit)

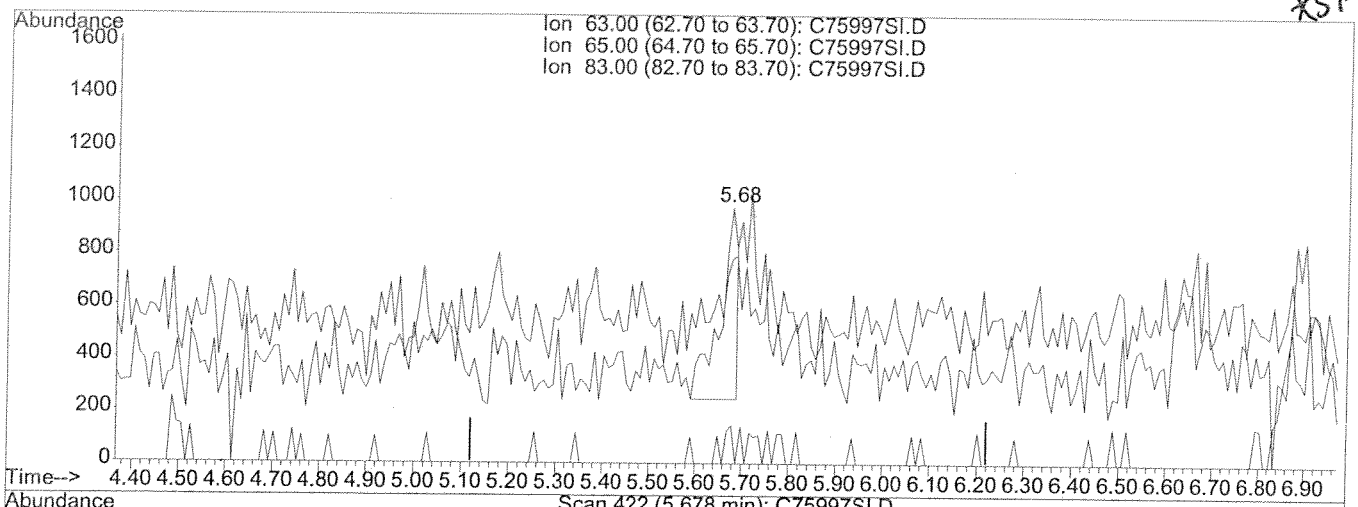
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:04 2010 Quant Results File: temp.res

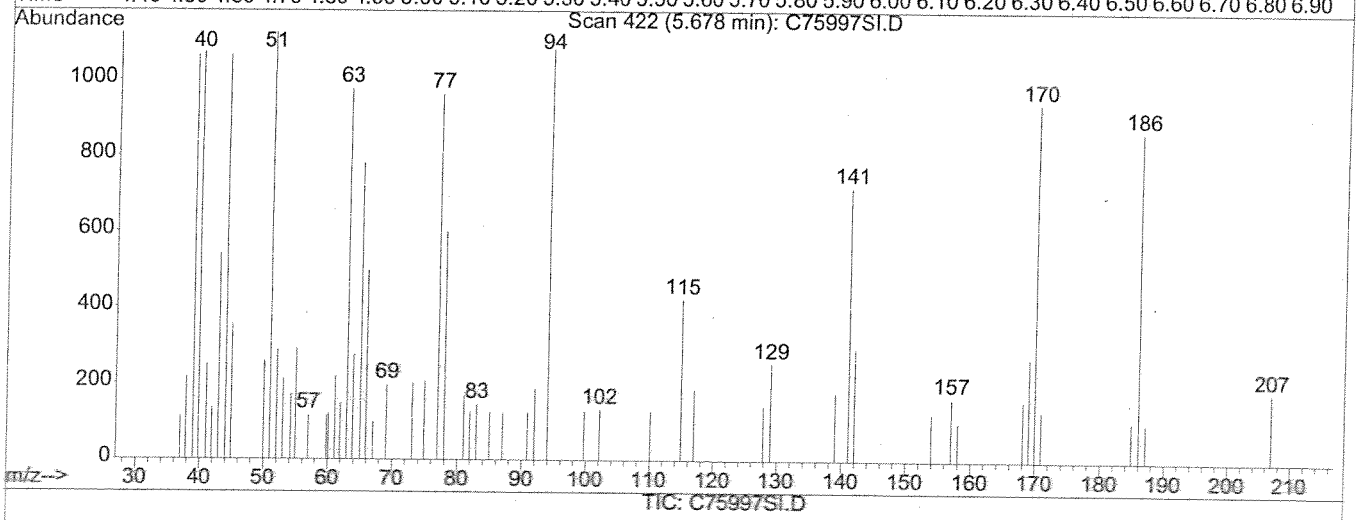
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10 KSP

* Point NOT USED IN TI Curve

VMT 8/11/10





(21) 1,1-Dichloroethane (TMP)

5.68min 0.16ug/L

response 1933

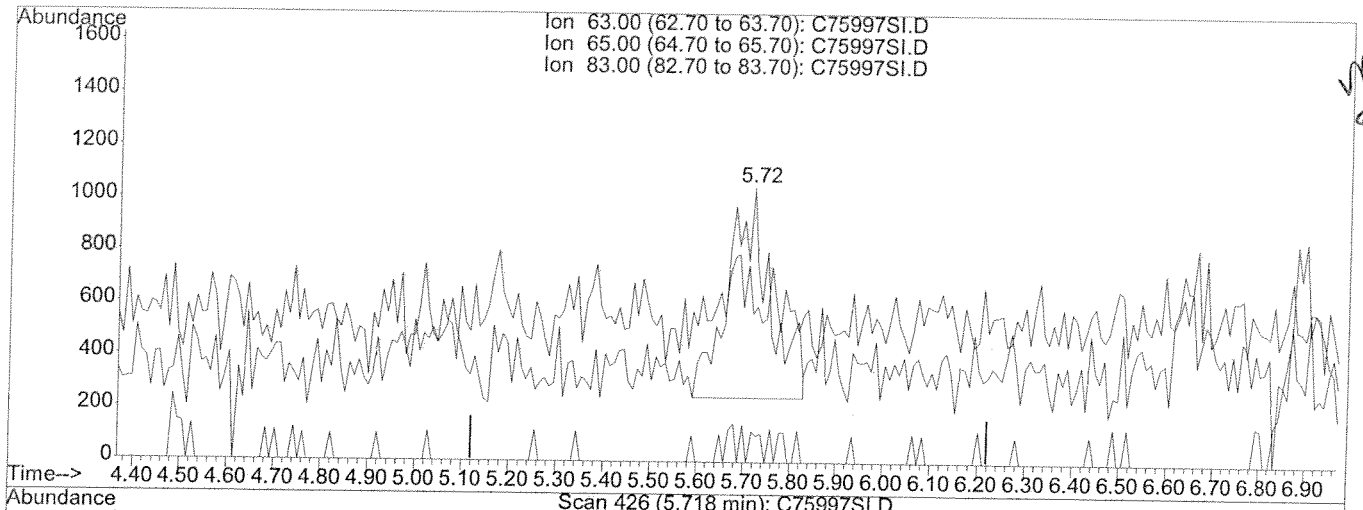
Ion	Exp%	Act%
63.00	100	100
65.00	30.20	28.45
83.00	19.30	19.97
0.00	0.00	0.00

Quantitation Report (Qedit)

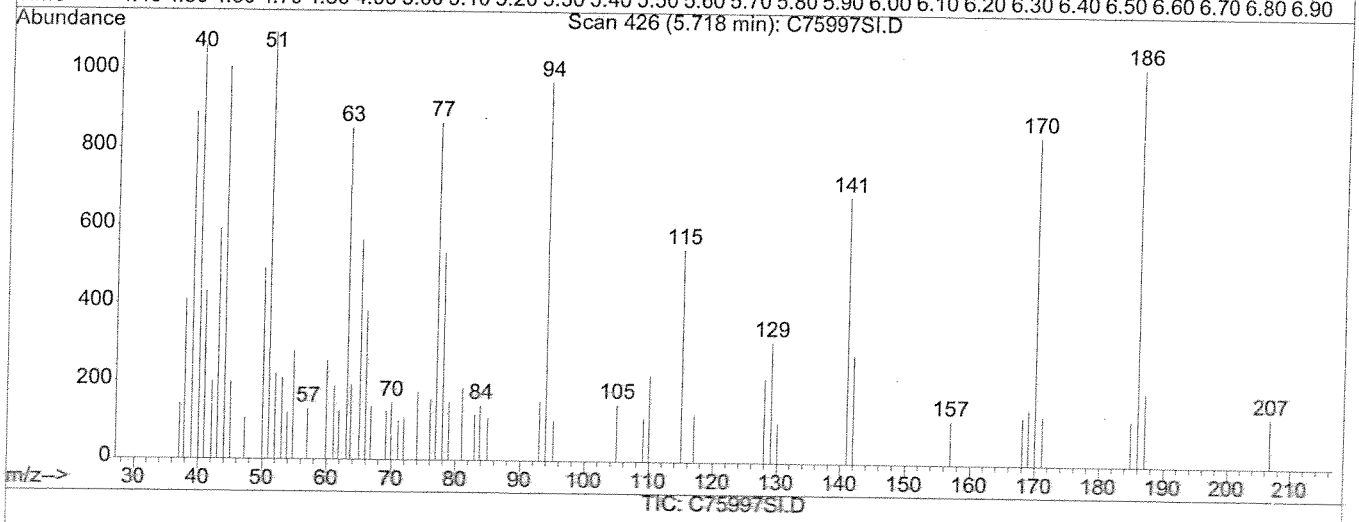
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

08/11/10



VMT 8/11/10



(21) 1,1-Dichloroethane (TMP)

5.72min 0.42ug/L m

response 4930

Ion	Exp%	Act%
63.00	100	100
65.00	30.20	66.24#
83.00	19.30	13.83
0.00	0.00	0.00

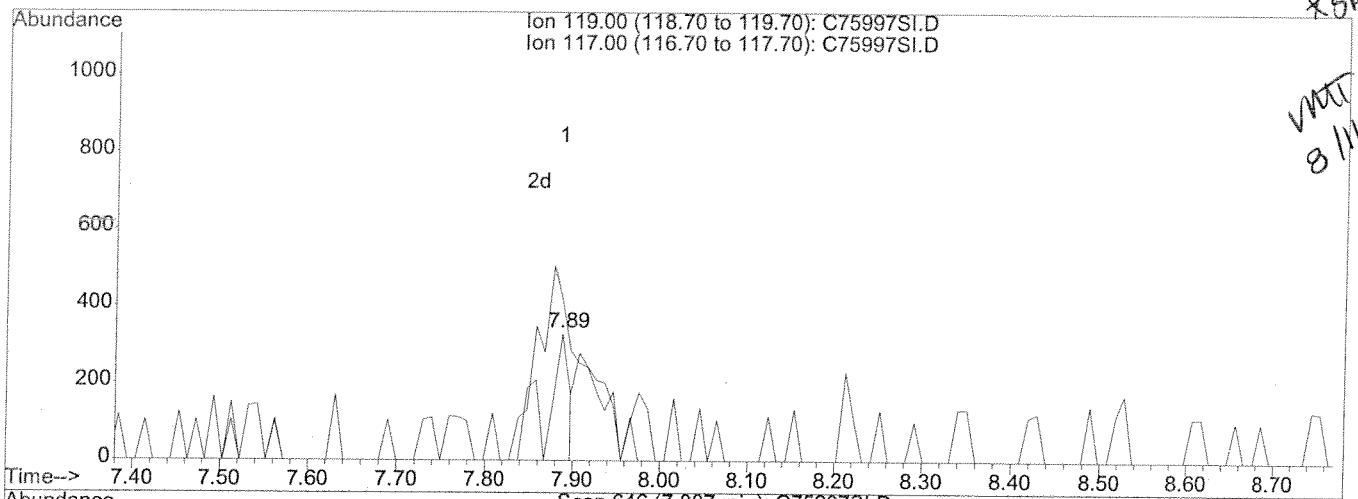
Quantitation Report (Qedit)

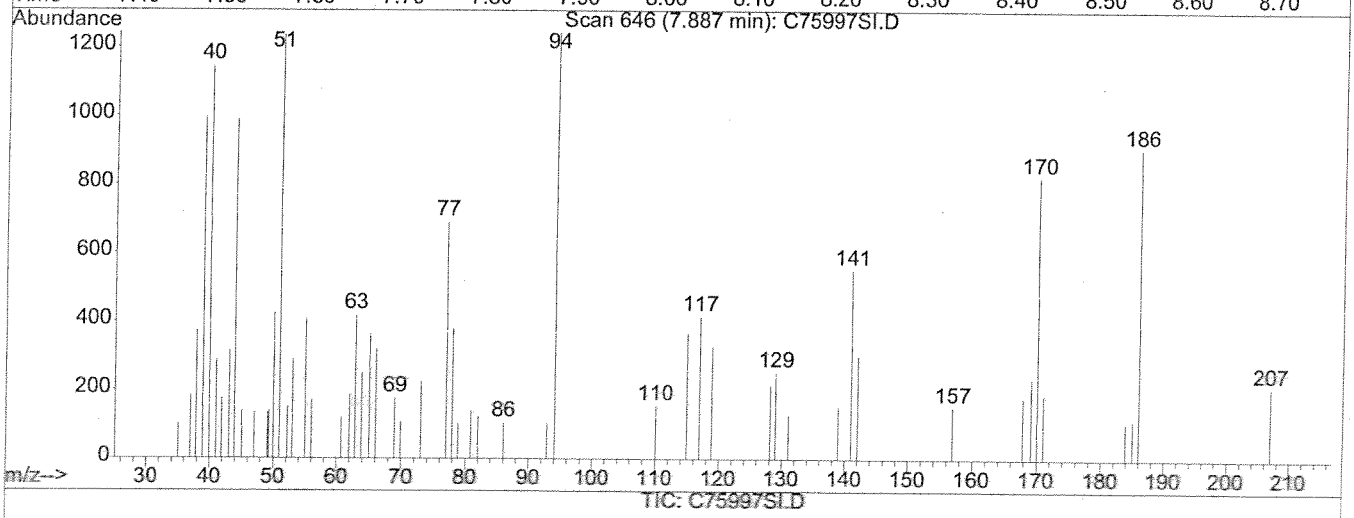
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

CJL 08/11/10 KSP

VMT 8/11/10





(35) Carbon Tetrachloride (TM)

7.89min 0.06ug/L

response 388

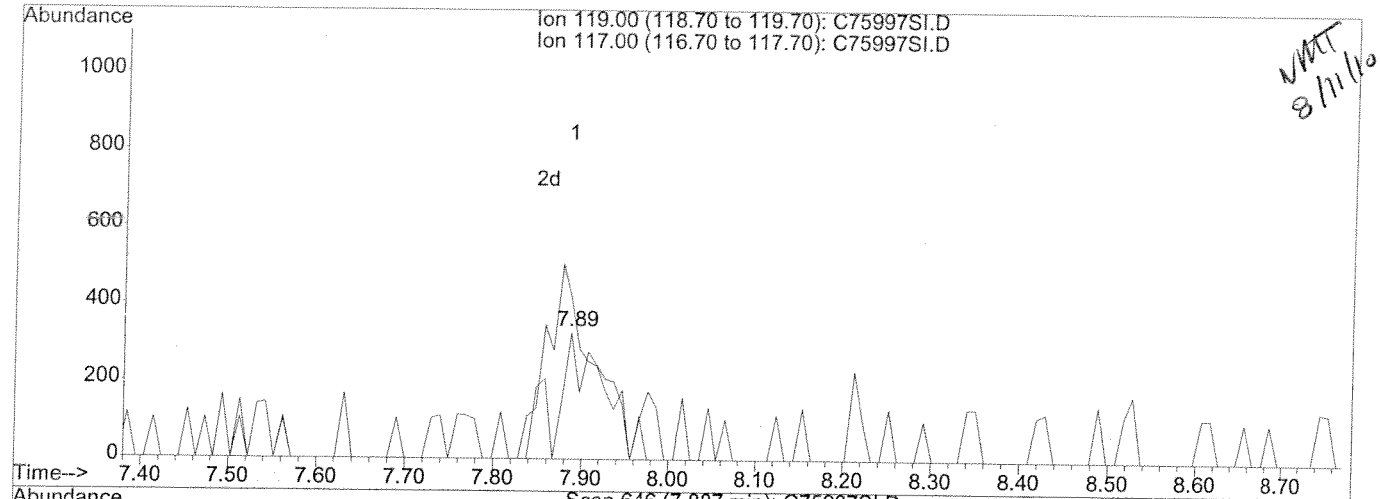
Ion	Exp%	Act%
119.00	100	100
117.00	101.10	41.16#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

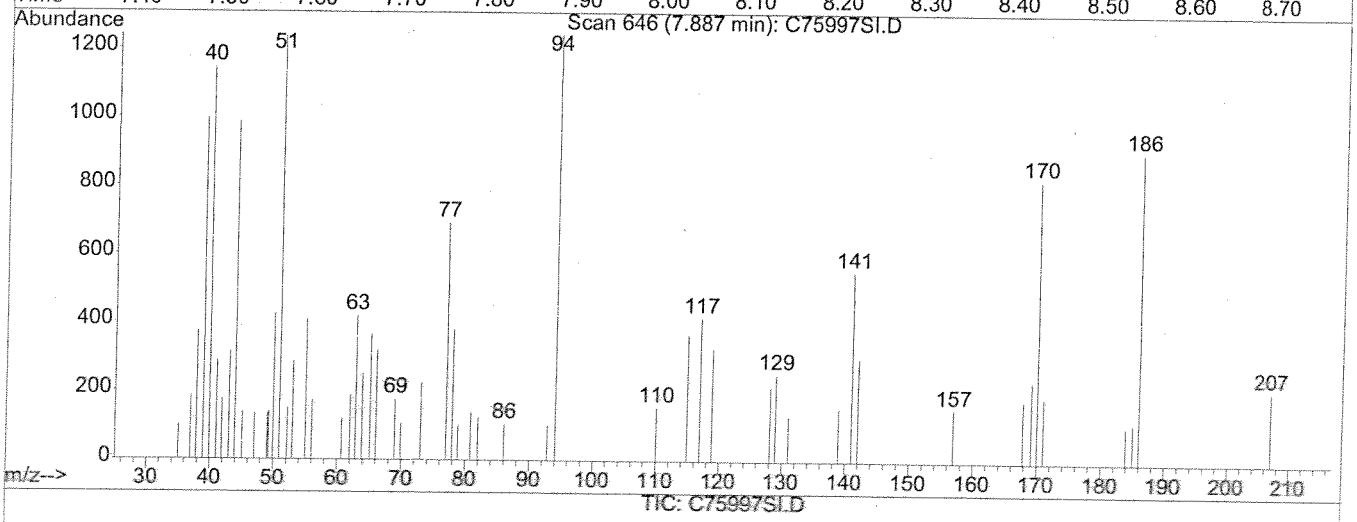
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08/11/10



NMT 8/11/10



(35) Carbon Tetrachloride (TM)

7.89min 0.16ug/L m

response 1023

Ion	Exp%	Act%
119.00	100	100
117.00	101.10	126.52#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08-11-10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	197160	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	377545	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.11	117	336495	20.00 ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	150633	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	147502	20.71 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.55%		
36) d4-1,2-Dichloroethane	7.98	65	147502	20.69 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 103.45%		
54) d8-Toluene	10.85	98	422894	18.02 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 90.10%		
73) Bromofluorobenzene	14.99	95	156189	15.62 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 78.10%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	5386	Below Cal	88
3) Chloromethane	1.97	50	8355	0.90 ug/L	85
4) Vinyl Chloride	2.02	62	5351	0.81 ug/L	88
5) Bromomethane	2.52	94	1903	0.31 ug/L #	44
6) Chloroethane	2.57	64	4135	0.29 ug/L	99
7) t-Butyl alcohol (TBA)	3.96	59	263	0.52 ug/L #	1
8) Trichlorofluoromethane	2.92	101	6719	0.53 ug/L	96
9) Diethyl ether	3.32	74	1421	0.40 ug/L #	60
10) 1,1,2-Trichlorotrifluoroet	3.55	101	3848m	0.56 ug/L	
11) Acrolein	3.57	56	544	Below Cal	89
12) Acetone	3.59	43	11879	1.45 ug/L #	75
13) 1,1-Dichloroethene	3.75	96	4283	0.66 ug/L	83
14) Methyl iodide	4.17	142	398	0.05 ug/L	92
15) Di-isopropyl ether (DIPE)	5.59	45	17718	0.75 ug/L	90
16) Methylene Chloride	4.51	84	8151	0.09 ug/L	92
17) Carbon Disulfide	4.48	76	85524	3.69 ug/L	96
18) Acrylonitrile	4.73	53	760	0.28 ug/L #	52
19) Methyl-tert-butyl ether (M	4.82	73	7222m	0.42 ug/L	
20) trans-1,2-Dichloroethene	4.99	61	5161	0.54 ug/L	87
21) 1,1-Dichloroethane	5.69	63	8363	0.70 ug/L	81
22) Vinyl acetate	5.73	43	6555	0.55 ug/L #	87
23) Methyl ethyl ketone	6.42	72	2175	Below Cal #	97
24) Ethyl t-butyl ether (ETBE)	6.23	59	12326	0.60 ug/L #	67
25) 2,2-Dichloropropane	6.60	77	4267	0.51 ug/L	91
26) cis-1,2-Dichloroethene	6.64	96	5214	0.67 ug/L	96
27) t-Amyl methyl ether (TAME)	7.99	73	10882	0.58 ug/L #	63

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08-11-10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	6886	0.48 ug/L	86
30)	Bromochloromethane	7.12	128	2610	Below Cal #	86
31)	Tetrahydrofuran	7.26	71	809	0.49 ug/L #	1
32)	1,1,1-Trichloroethane	7.52	97	4902	0.41 ug/L #	78
33)	Ethanol	2.71	45	3980	5.41 ug/L #	40
34)	1,1-Dichloropropene	7.74	75	6412	0.64 ug/L	81
35)	Carbon Tetrachloride	7.88	119	2580m	0.41 ug/L	
37)	1,2-Dichloroethane	8.11	62	6486	0.69 ug/L	76
38)	Benzene	8.12	78	14382	0.55 ug/L	96
40)	Trichloroethene	9.06	95	5734	0.58 ug/L #	49
41)	1,2-Dichloropropane	9.33	63	5435	0.73 ug/L	97
42)	Methylmethacrylate	9.47	69	3675	0.68 ug/L #	72
43)	Methyl acetate	4.32	43	5600	0.64 ug/L #	77
44)	Cyclohexane	7.51	56	7637m	0.68 ug/L	
45)	Bromodichloromethane	9.67	83	5261	0.46 ug/L	79
46)	Dibromomethane	9.73	93	3520	0.54 ug/L	81
47)	1,4-Dioxane	9.75	88	1448	Below Cal #	41
48)	Methylcyclohexane	9.16	83	6437	0.47 ug/L #	71
50)	2-Chloroethylvinyl ether	10.18	63	2198	0.53 ug/L #	76
51)	2-Hexanone	11.55	58	8106	2.91 ug/L #	64
52)	Methyl isobutyl ketone	10.23	58	9297	3.15 ug/L #	69
53)	cis-1,3-Dichloropropene	10.50	75	7079	0.55 ug/L	95
55)	Toluene	10.96	92	9530	0.50 ug/L #	79
56)	trans-1,3-Dichloropropene	11.25	75	6597	0.52 ug/L	97
58)	1,1,2-Trichloroethane	11.48	83	3334	0.51 ug/L	88
59)	1,3-Dichloropropane	11.86	76	5721	0.45 ug/L	92
60)	Tetrachloroethene	11.95	166	4043	0.52 ug/L #	79
61)	Dibromochloromethane	12.23	129	3983	0.41 ug/L	96
62)	1,2-Dibromoethane	12.53	107	4226	0.53 ug/L	98
64)	Chlorobenzene	13.17	112	10720	0.61 ug/L	87
65)	1,1,1,2-Tetrachloroethane	13.26	131	3522	0.44 ug/L	88
66)	Ethylbenzene	13.27	91	16750	0.46 ug/L	80
67)	m,p-Xylene	13.40	106	13980	1.21 ug/L #	42
68)	o-Xylene	14.06	106	6280	0.56 ug/L #	56
69)	Styrene	14.11	104	11682	0.58 ug/L #	57
70)	Bromoform	14.59	173	1528	0.32 ug/L	84
71)	Isopropylbenzene	14.62	105	17054	0.55 ug/L	94
72)	1,1,2,2-Tetrachloroethane	14.88	83	5269	0.51 ug/L #	88
74)	1,2,3-Trichloropropane	15.11	75	5413	0.72 ug/L	100
75)	trans-1,4-Dichloro-2-buten	15.24	89	1589	0.51 ug/L #	56
76)	n-Propylbenzene	15.24	91	20202	0.46 ug/L	82

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	3672	0.48 ug/L #	84
78)	1,3,5-Trimethylbenzene	15.49	105	14851	0.59 ug/L	95
79)	2-Chlorotoluene	15.49	91	13703	0.48 ug/L	71
80)	4-Chlorotoluene	15.58	91	10812	0.41 ug/L	70
81)	tert-butylbenzene	16.04	119	11641	0.52 ug/L #	64
82)	1,2,4-Trimethylbenzene	16.10	105	13723	0.52 ug/L #	52
83)	Diisobutylketone	15.19	57	50025	2.88 ug/L #	80
84)	sec-butylbenzene	16.38	105	18696	0.56 ug/L	83
85)	p-isopropyltoluene	16.59	119	15386	0.54 ug/L	87
86)	1,3-Dichlorobenzene	16.72	146	6736	0.46 ug/L #	80
88)	1,4-Dichlorobenzene	16.88	146	7320	0.56 ug/L	87
89)	n-butylbenzene	17.25	91	14075	0.53 ug/L	74
90)	1,2-Dichlorobenzene	17.45	146	6107	0.52 ug/L	91
92)	1,2-Dibromo-3-chloropropan	18.69	75	1648	0.24 ug/L #	81
94)	1,2,4-Trichlorobenzene	20.10	180	4845	0.58 ug/L	98
95)	Hexachlorobutadiene	20.34	225	2386	0.40 ug/L	95
96)	Naphthalene	20.49	128	13546	0.63 ug/L	96
97)	1,2,3-Trichlorobenzene	20.90	180	4125	0.55 ug/L	90
98)	1,3,5-Trichlorobenzene	19.10	180	5312	0.61 ug/L	92

(#) = qualifier out of range (m) = manual integration

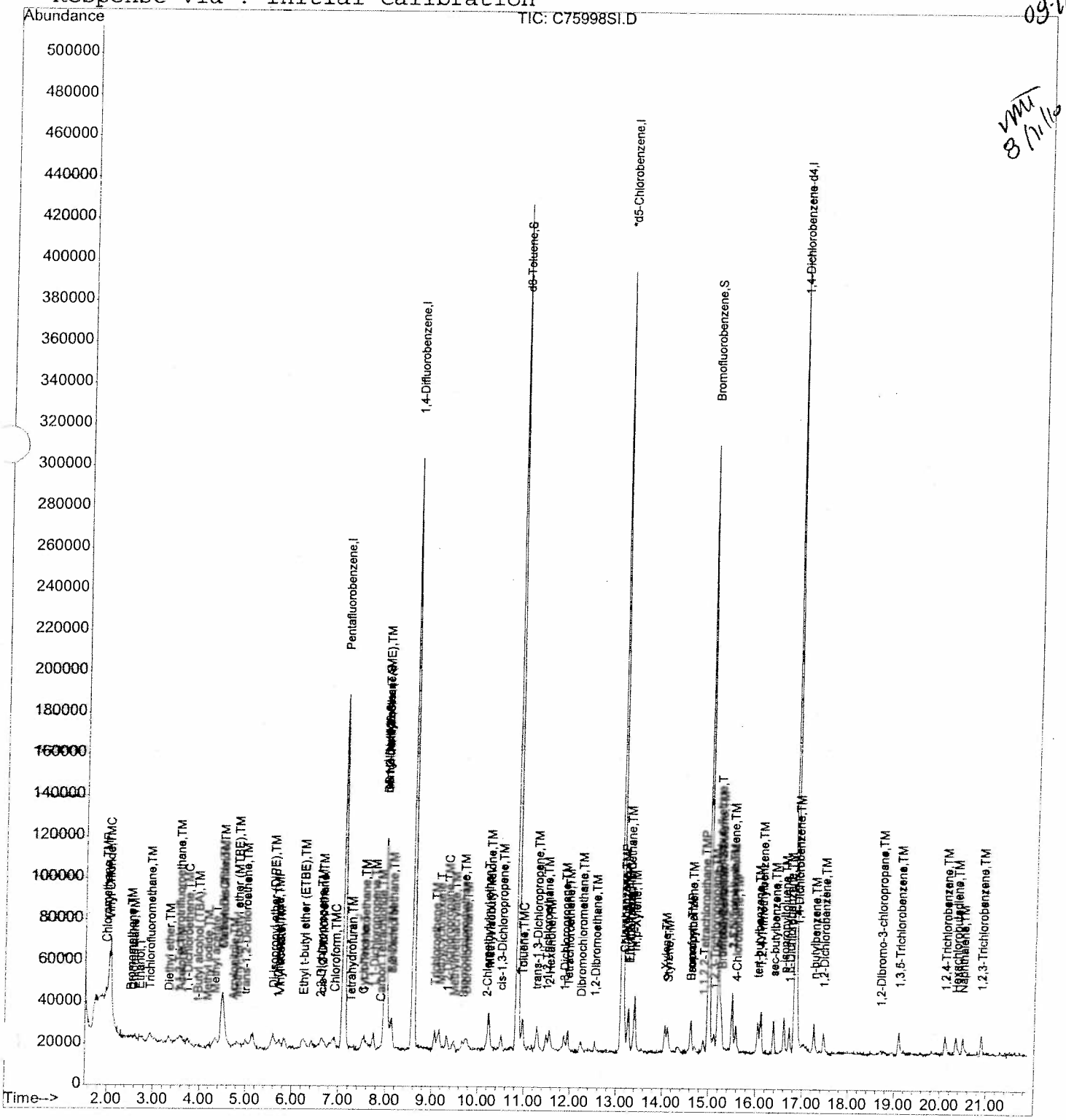
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JL 09.11.10

VMM 8/11/10



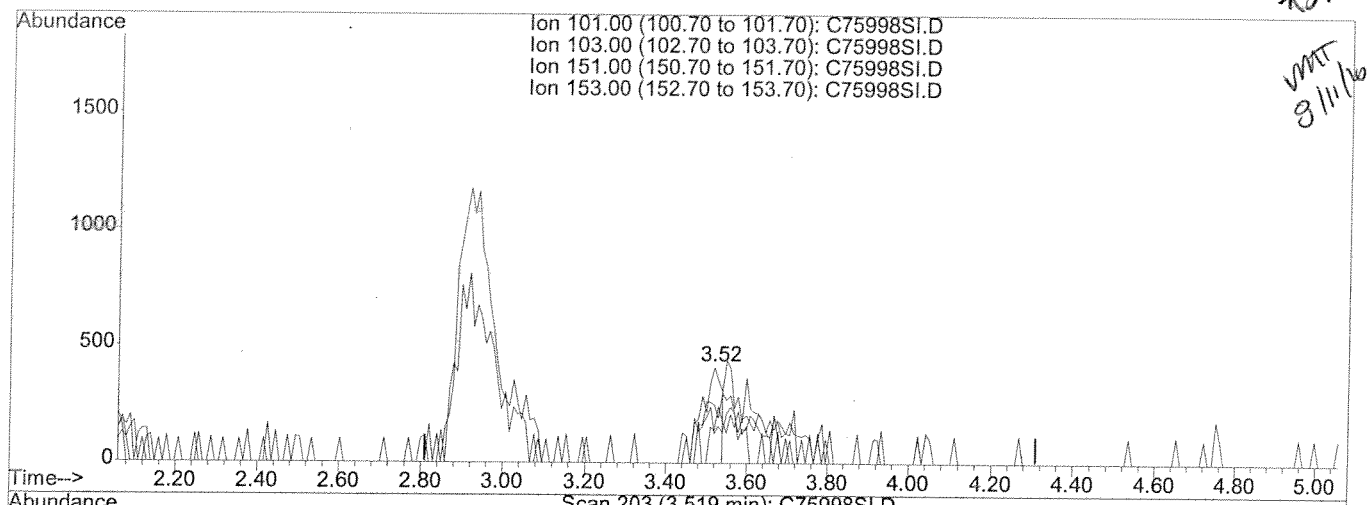
Quantitation Report (Qedit)

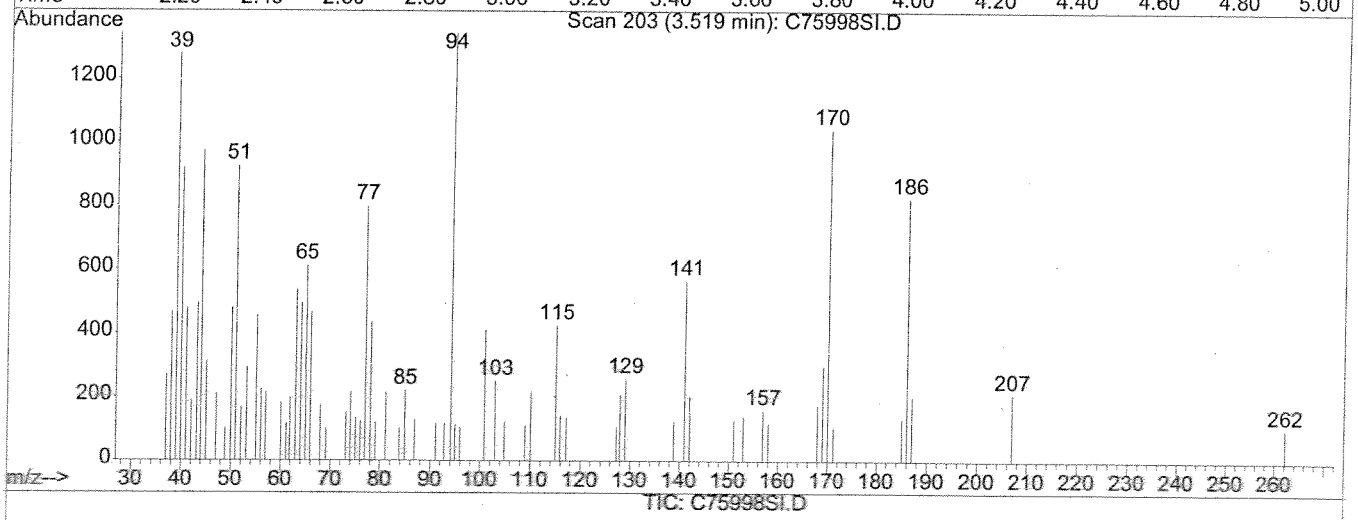
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL
09.11.10
KSP

VMT
8/11/10





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.52min 0.20ug/L

response 1358

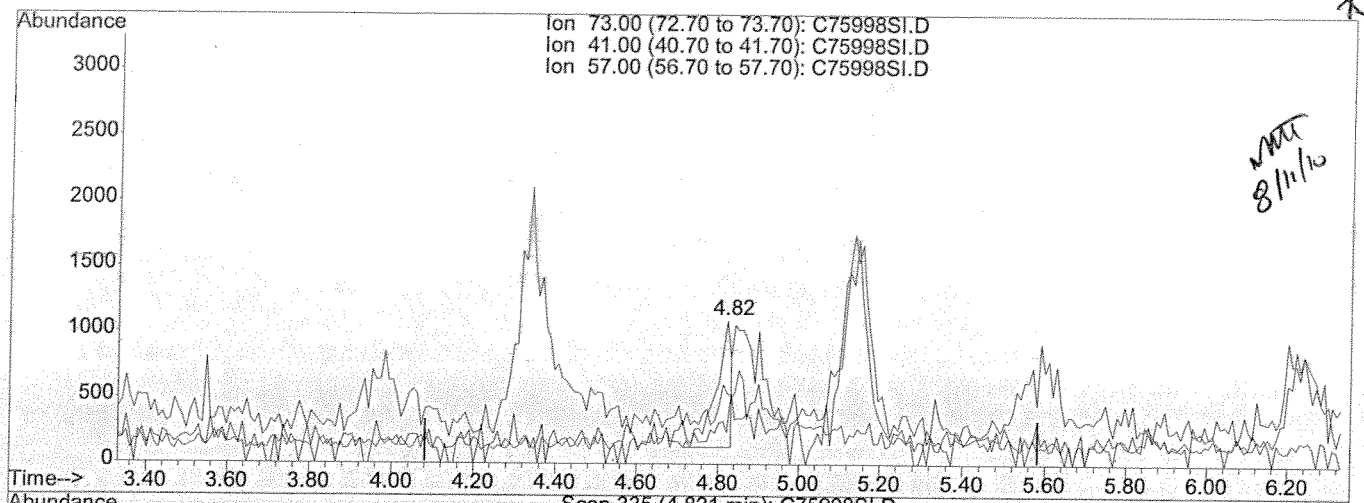
Ion	Exp%	Act%
101.00	100	100
103.00	57.00	28.57#
151.00	44.60	0.00#
153.00	24.40	37.19#

Quantitation Report (Qedit)

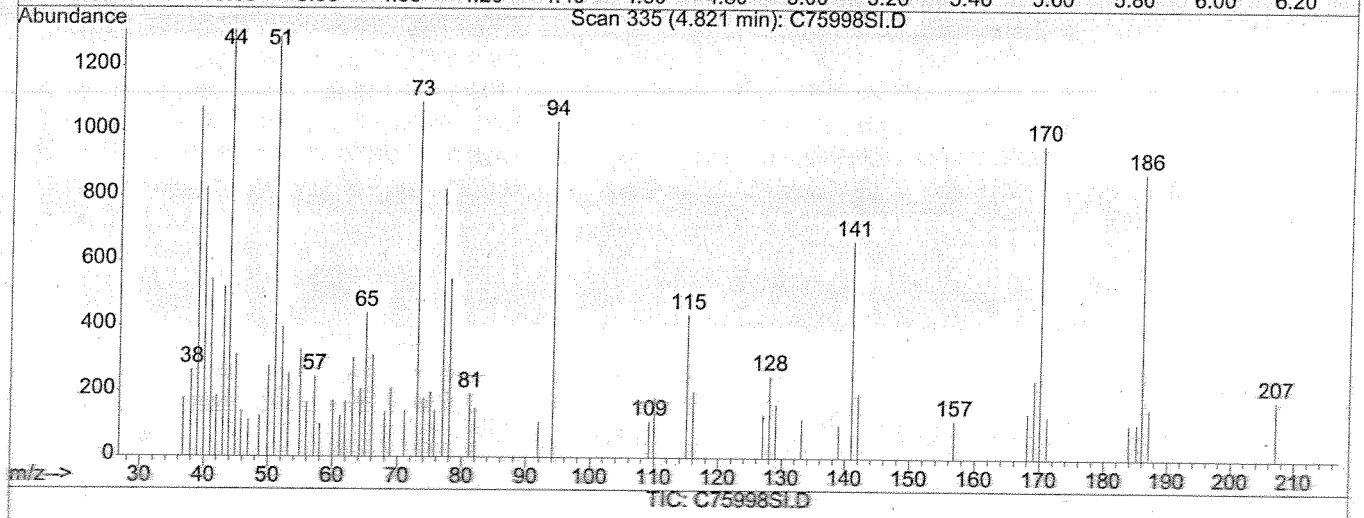
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 08.11.10 TBP



MMT 8/11/10



(19) Methyl-tert-butyl ether (MTBE) (TM)

4.82min 0.15ug/L

response 2513

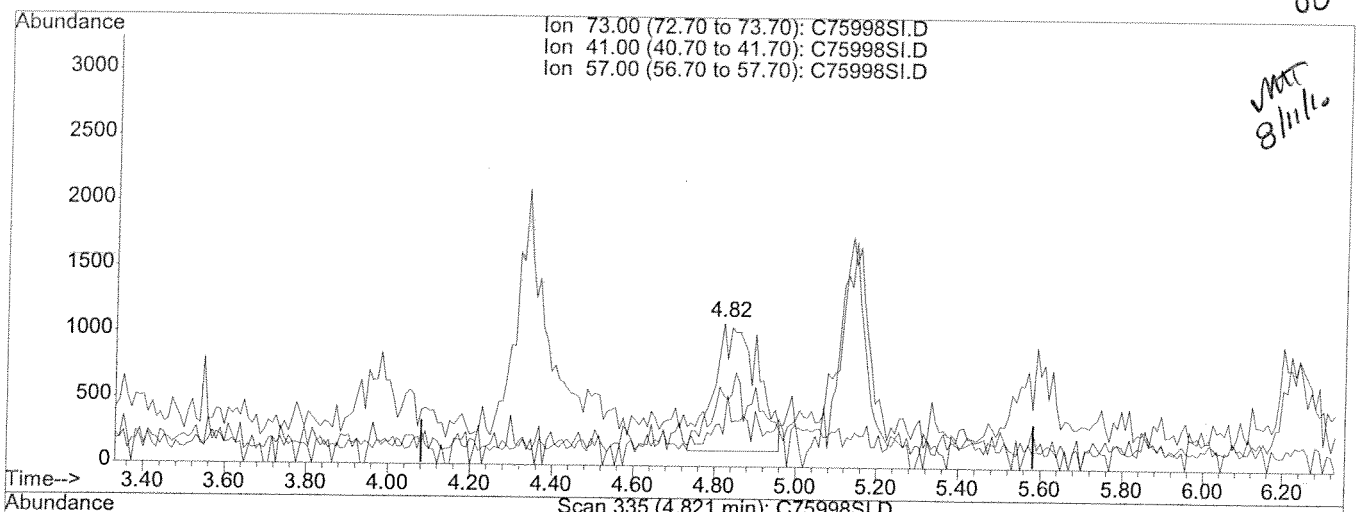
Ion	Exp%	Act%
73.00	100	100
41.00	22.90	22.68
57.00	16.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

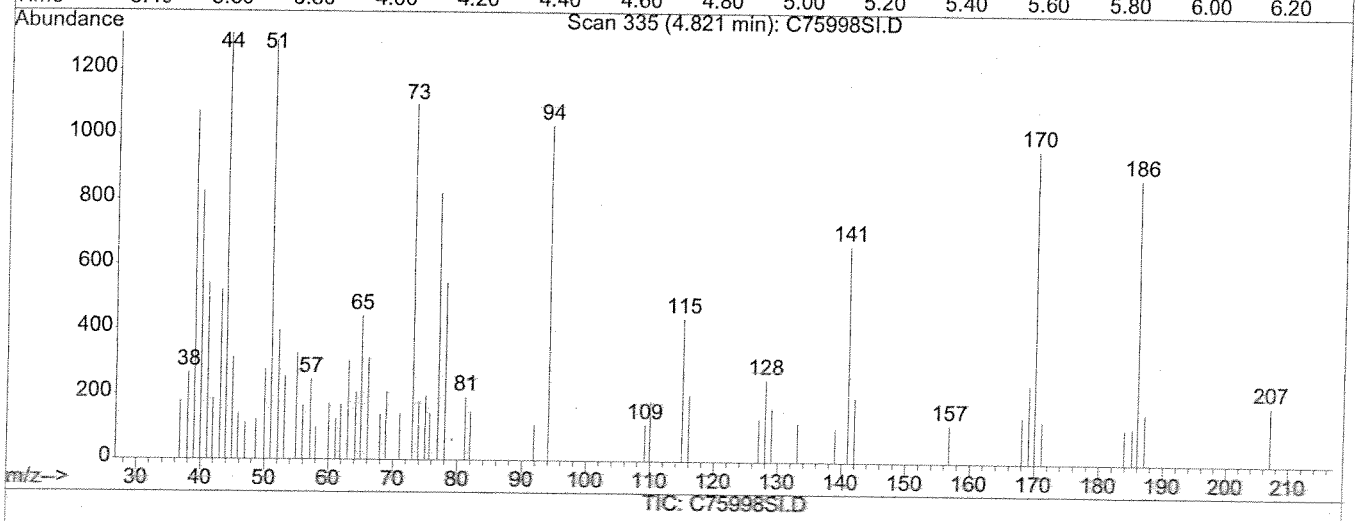
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08.11.10



VMT 8/11/10



TIC: C75998SI.D

(19) Methyl-tert-butyl ether (MTBE) (TM)

4.82min 0.42ug/L m

response 7222

Ion	Exp%	Act%
73.00	100	100
41.00	22.90	7.89#
57.00	16.50	0.00#
0.00	0.00	0.00

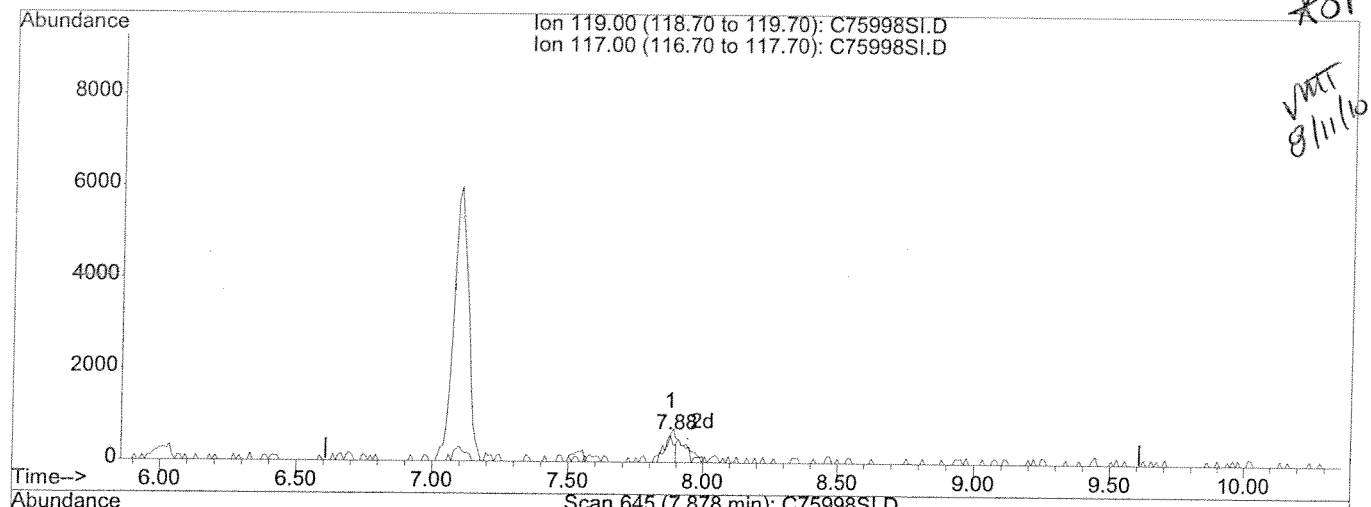
Quantitation Report (Qedit)

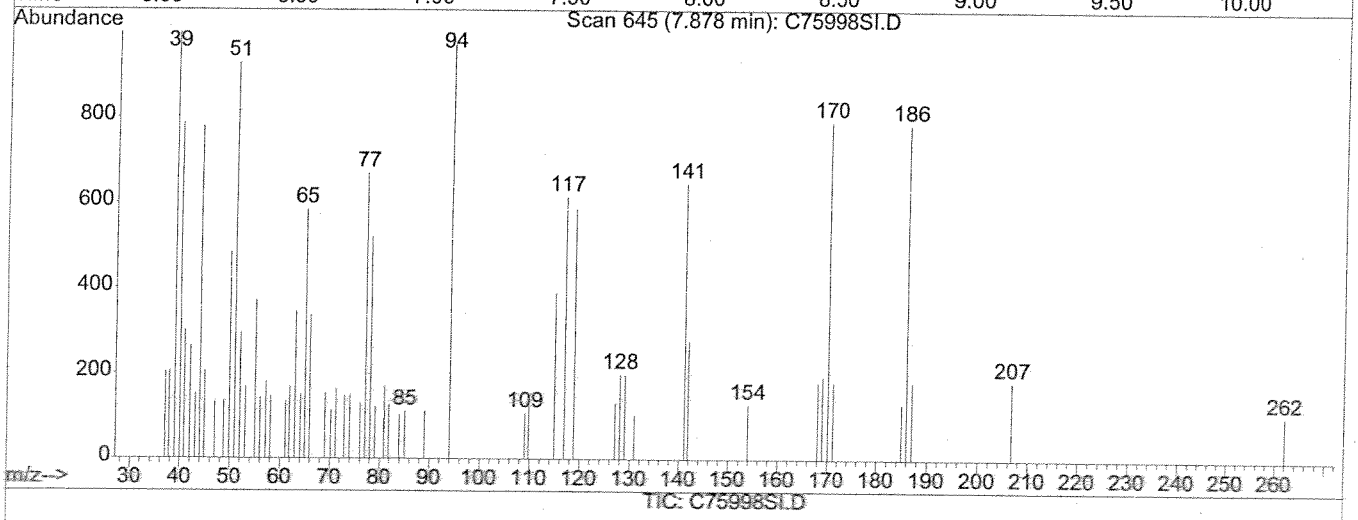
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

08/11/10
KSP

VMT
8/11/10





(35) Carbon Tetrachloride (TM)

7.88min 0.23ug/L

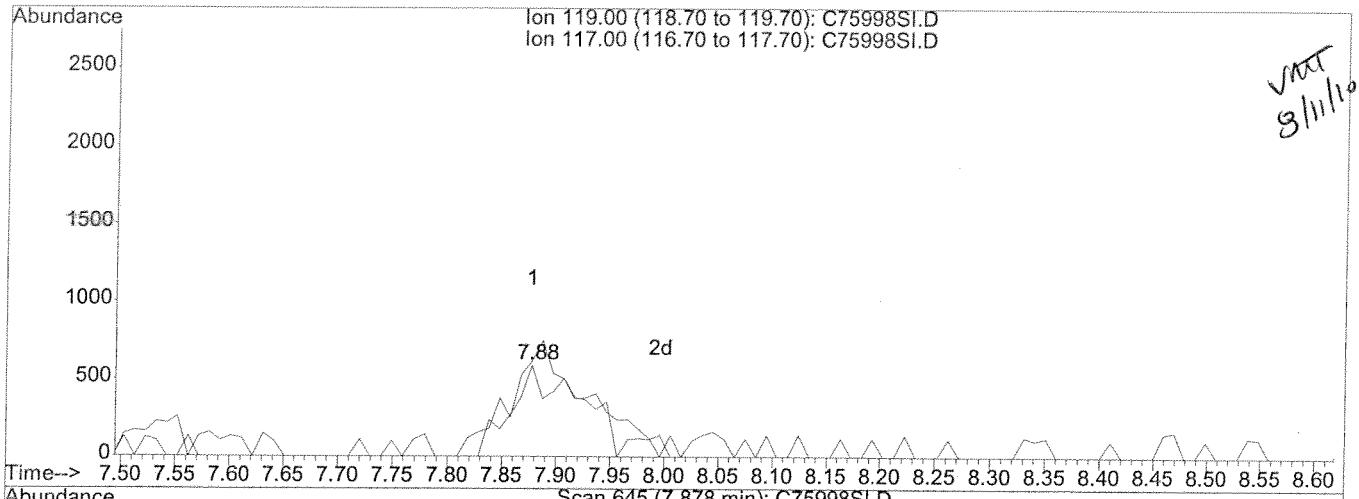
response 1448

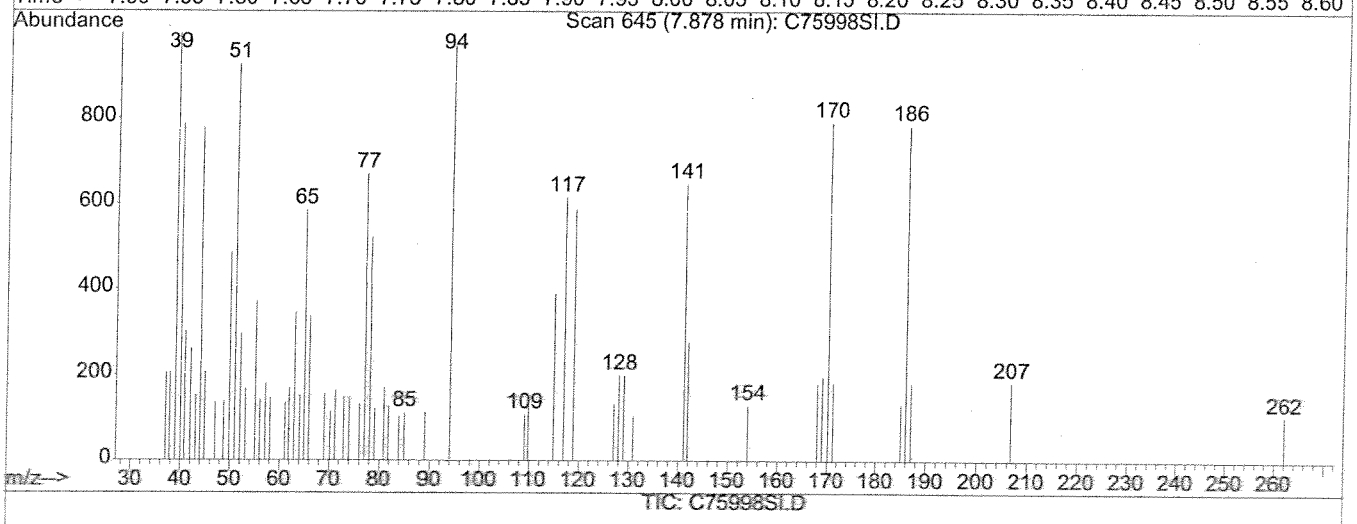
Ion	Exp%	Act%
119.00	100	100
117.00	101.10	84.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





TIC: C75998SI.D

(35) Carbon Tetrachloride (TM)

7.88min 0.41ug/L m

response 2580

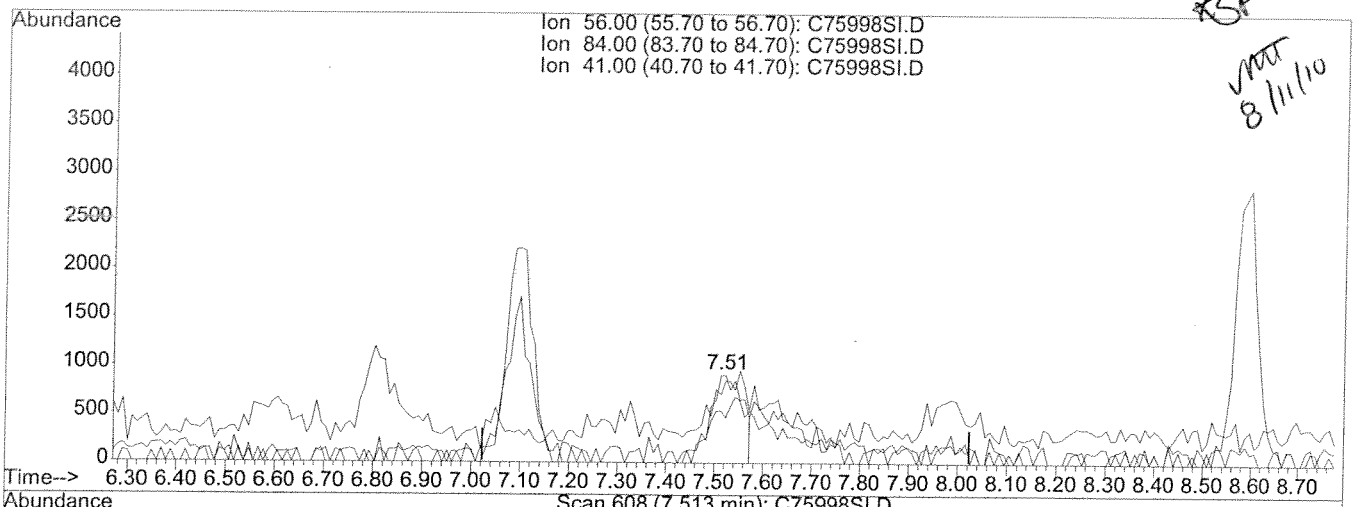
Ion	Exp%	Act%
119.00	100	100
117.00	101.10	104.77
0.00	0.00	0.00
0.00	0.00	0.00

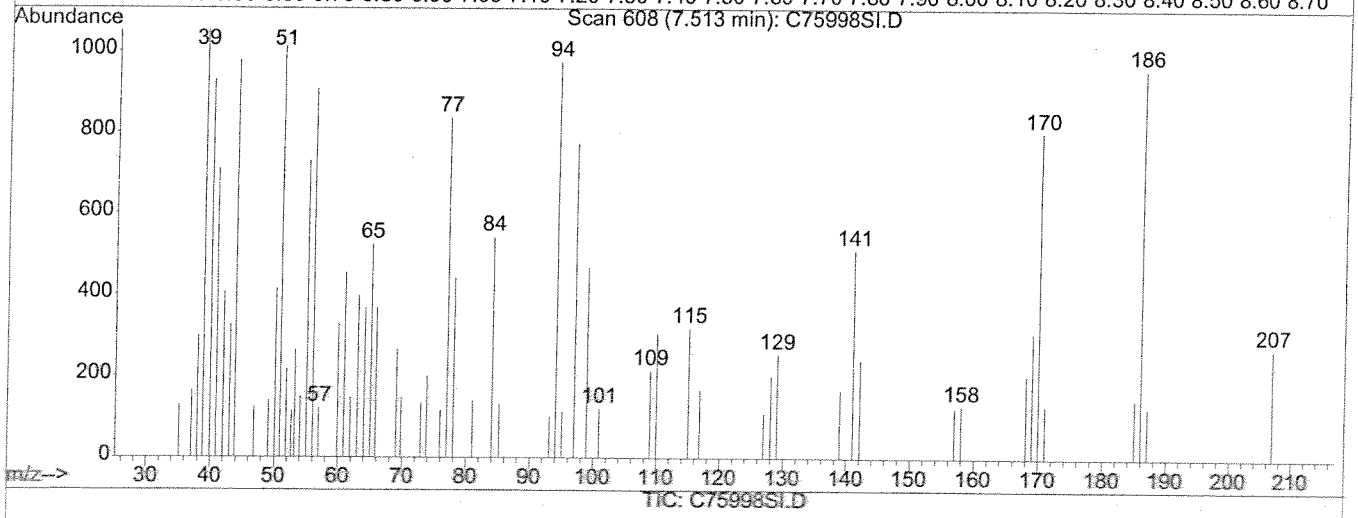
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10 TSP VMT 8/11/10





(44) Cyclohexane (T)

7.51min 0.39ug/L

response 4365

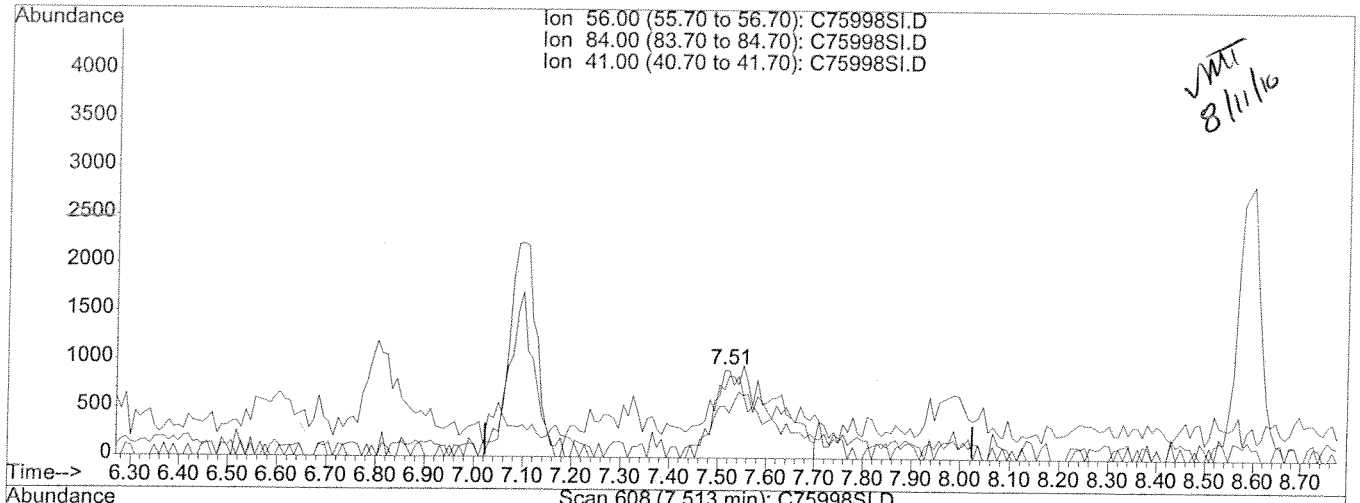
Ion	Exp%	Act%
56.00	100	100
84.00	102.90	109.05
41.00	85.20	47.31#
0.00	0.00	0.00

Quantitation Report (Qedit)

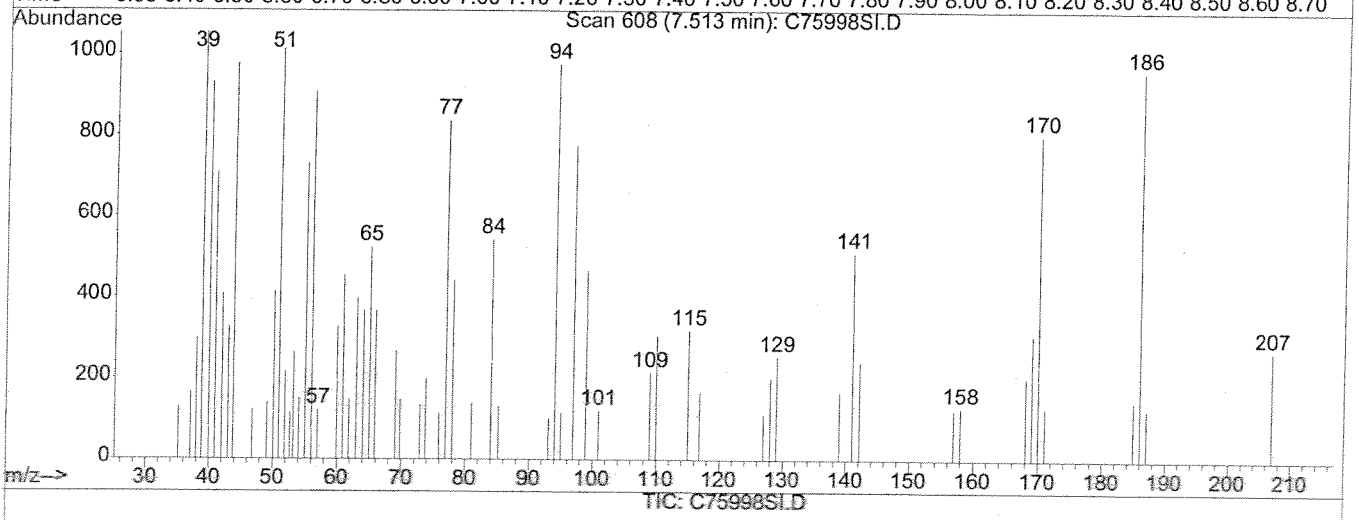
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08/11/10



VMT 8/11/10



(44) Cyclohexane (T)

7.51min 0.68ug/L m

response 7637

Ion	Exp%	Act%
56.00	100	100
84.00	102.90	62.33#
41.00	85.20	27.04#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08-11-10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	198221	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.59	114	390972	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	340345	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	151939	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	154484	21.57 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 107.85%		
36) d4-1,2-Dichloroethane	7.98	65	154629	21.58 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 107.90%		
54) d8-Toluene	10.85	98	426995	17.57 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 87.85%		
73) Bromofluorobenzene	14.99	95	160133	15.83 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 79.15%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	9197	0.40 ug/L	98
3) Chloromethane	1.99	50	14076	1.58 ug/L	97
4) Vinyl Chloride	2.03	62	9435	1.42 ug/L	91
5) Bromomethane	2.51	94	6200	1.00 ug/L #	70
6) Chloroethane	2.59	64	6183	0.76 ug/L	84
7) t-Butyl alcohol (TBA)	3.98	59	4448m	8.69 ug/L	
8) Trichlorofluoromethane	2.92	101	12357	0.97 ug/L	80
9) Diethyl ether	3.33	74	3156	0.88 ug/L	85
10) 1,1,2-Trichlorotrifluoroet	3.51	101	6600m	0.96 ug/L	
11) Acrolein	3.48	56	3509	4.24 ug/L #	38
12) Acetone	3.59	43	18274	4.61 ug/L	92
13) 1,1-Dichloroethene	3.74	96	6902	1.06 ug/L #	85
14) Methyl iodide	4.20	142	4238	0.58 ug/L #	42
15) Di-isopropyl ether (DIPE)	5.58	45	33239	1.40 ug/L #	85
16) Methylene Chloride	4.49	84	11472	0.55 ug/L #	82
17) Carbon Disulfide	4.49	76	21447	0.92 ug/L #	91
18) Acrylonitrile	4.75	53	2964	1.08 ug/L #	76
19) Methyl-tert-butyl ether (M	4.84	73	11303	0.66 ug/L #	91
20) trans-1,2-Dichloroethene	5.00	61	12094	1.27 ug/L	80
21) 1,1-Dichloroethane	5.68	63	16602	1.39 ug/L	96
22) Vinyl acetate	5.74	43	12856	1.08 ug/L	99
23) Methyl ethyl ketone	6.42	72	3902	Below Cal #	89
24) Ethyl t-butyl ether (ETBE)	6.24	59	24043	1.16 ug/L #	83
25) 2,2-Dichloropropane	6.57	77	9139	1.08 ug/L	99
26) cis-1,2-Dichloroethene	6.65	96	8589	1.11 ug/L	94
27) t-Amyl methyl ether (TAME)	7.97	73	19212	1.01 ug/L #	87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08-11-10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	13962	0.96 ug/L	88
30)	Bromochloromethane	7.13	128	5842	0.23 ug/L #	74
31)	Tetrahydrofuran	7.27	71	1219	1.07 ug/L #	87
32)	1,1,1-Trichloroethane	7.52	97	10756	0.89 ug/L	83
33)	Ethanol	2.72	45	7953	56.23 ug/L #	84
34)	1,1-Dichloropropene	7.74	75	11439	1.13 ug/L	96
35)	Carbon Tetrachloride	7.91	119	5445	0.85 ug/L #	76
37)	1,2-Dichloroethane	8.13	62	9960	1.05 ug/L	94
38)	Benzene	8.12	78	27681	1.06 ug/L	99
40)	Trichloroethene	9.06	95	11064	1.09 ug/L #	49
41)	1,2-Dichloropropane	9.33	63	8155	1.05 ug/L	90
42)	Methylmethacrylate	9.47	69	5310	0.95 ug/L #	84
43)	Methyl acetate	4.31	43	15519	1.71 ug/L #	85
44)	Cyclohexane	7.53	56	12718	1.09 ug/L #	34
45)	Bromodichloromethane	9.67	83	8768	0.74 ug/L	88
46)	Dibromomethane	9.73	93	7151	1.05 ug/L	89
47)	1,4-Dioxane	9.76	88	2244	Below Cal #	42
48)	Methylcyclohexane	9.16	83	11470	0.81 ug/L #	72
50)	2-Chloroethylvinyl ether	10.18	63	4344	1.01 ug/L #	85
51)	2-Hexanone	11.54	58	15373	5.32 ug/L	73
52)	Methyl isobutyl ketone	10.23	58	17051	5.59 ug/L #	67
53)	cis-1,3-Dichloropropene	10.50	75	11780	0.88 ug/L	99
55)	Toluene	10.96	92	17342	0.87 ug/L #	78
56)	trans-1,3-Dichloropropene	11.27	75	11100	0.84 ug/L	91
58)	1,1,2-Trichloroethane	11.48	83	5265	0.78 ug/L	93
59)	1,3-Dichloropropane	11.87	76	12933	0.98 ug/L	97
60)	Tetrachloroethene	11.95	166	7499	0.93 ug/L	95
61)	Dibromochloromethane	12.24	129	6972	0.69 ug/L	83
62)	1,2-Dibromoethane	12.54	107	7506	0.91 ug/L	99
64)	Chlorobenzene	13.18	112	19398	1.08 ug/L	84
65)	1,1,1,2-Tetrachloroethane	13.26	131	6705	0.82 ug/L	90
66)	Ethylbenzene	13.27	91	30453	0.82 ug/L	87
67)	m,p-Xylene	13.40	106	24835	2.12 ug/L #	51
68)	o-Xylene	14.06	106	11948	1.05 ug/L #	60
69)	Styrene	14.12	104	20450	1.00 ug/L	74
70)	Bromoform	14.60	173	2885	0.59 ug/L	99
71)	Isopropylbenzene	14.62	105	30016	0.96 ug/L	82
72)	1,1,2,2-Tetrachloroethane	14.88	83	8942	0.85 ug/L	93
74)	1,2,3-Trichloropropane	15.10	75	8180	1.08 ug/L	95
75)	trans-1,4-Dichloro-2-buten	15.24	89	2389	0.76 ug/L #	28
76)	n-Propylbenzene	15.24	91	36642	0.83 ug/L	86

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08-11-10 VMT 8/11/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) Bromobenzene	15.28	156	7083	0.92 ug/L #	71
78) 1,3,5-Trimethylbenzene	15.50	105	25617	1.00 ug/L	87
79) 2-Chlorotoluene	15.50	91	22735	0.79 ug/L	83
80) 4-Chlorotoluene	15.57	91	21921	0.81 ug/L	71
81) tert-butylbenzene	16.04	119	22157	0.97 ug/L #	73
82) 1,2,4-Trimethylbenzene	16.11	105	27304	1.02 ug/L	77
83) Diisobutylketone	15.20	57	93436	5.33 ug/L #	77
84) sec-butylbenzene	16.37	105	34438	1.02 ug/L	89
85) p-isopropyltoluene	16.60	119	28305	0.99 ug/L	82
86) 1,3-Dichlorobenzene	16.72	146	12831	0.87 ug/L #	80
88) 1,4-Dichlorobenzene	16.89	146	13236	1.00 ug/L #	82
89) n-butylbenzene	17.25	91	25940	0.96 ug/L	79
90) 1,2-Dichlorobenzene	17.46	146	12128	1.02 ug/L #	75
92) 1,2-Dibromo-3-chloropropan	18.70	75	2314	0.71 ug/L	92
94) 1,2,4-Trichlorobenzene	20.10	180	9017	1.07 ug/L	99
95) Hexachlorobutadiene	20.35	225	4758	0.79 ug/L	97
96) Naphthalene	20.49	128	22523	1.04 ug/L	98
97) 1,2,3-Trichlorobenzene	20.90	180	8508	1.12 ug/L #	77
98) 1,3,5-Trichlorobenzene	19.09	180	8980	1.02 ug/L	92

(#) = qualifier out of range (m) = manual integration

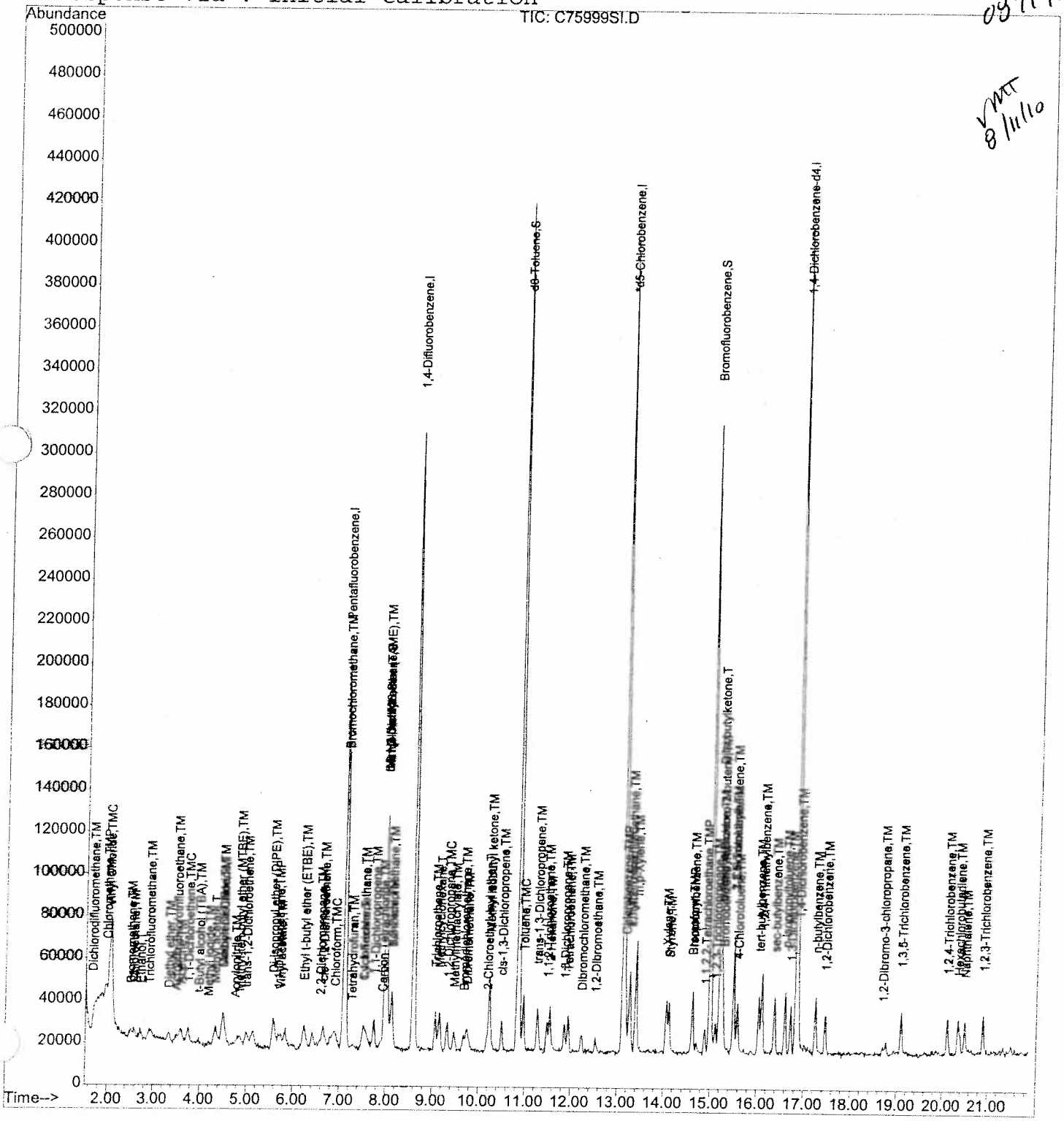
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JR 08.11.10

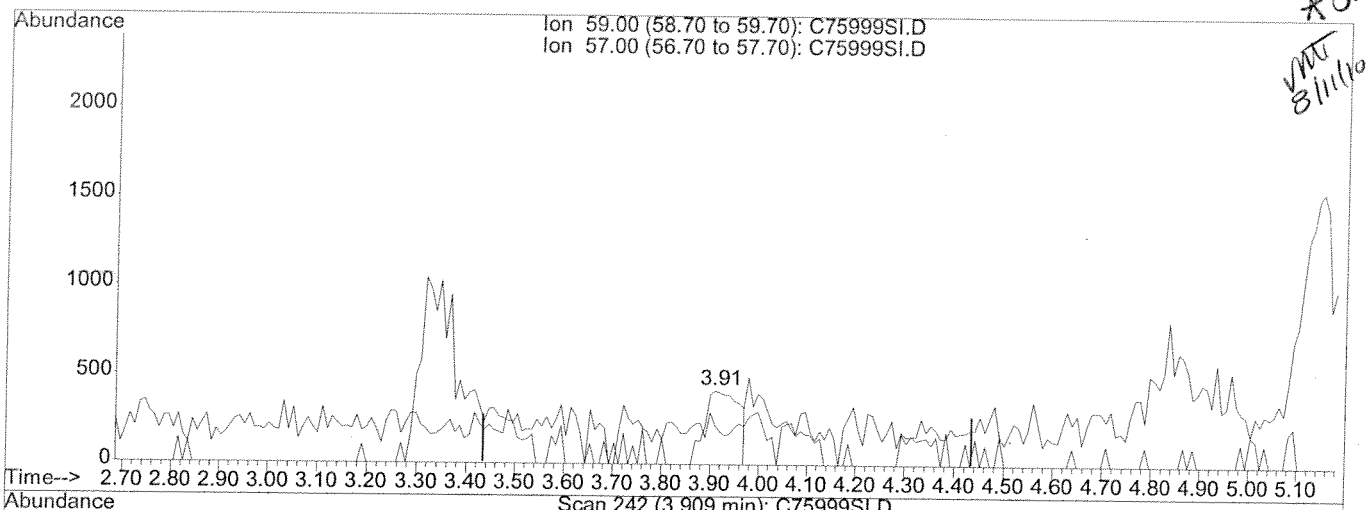
VMT 8/11/10

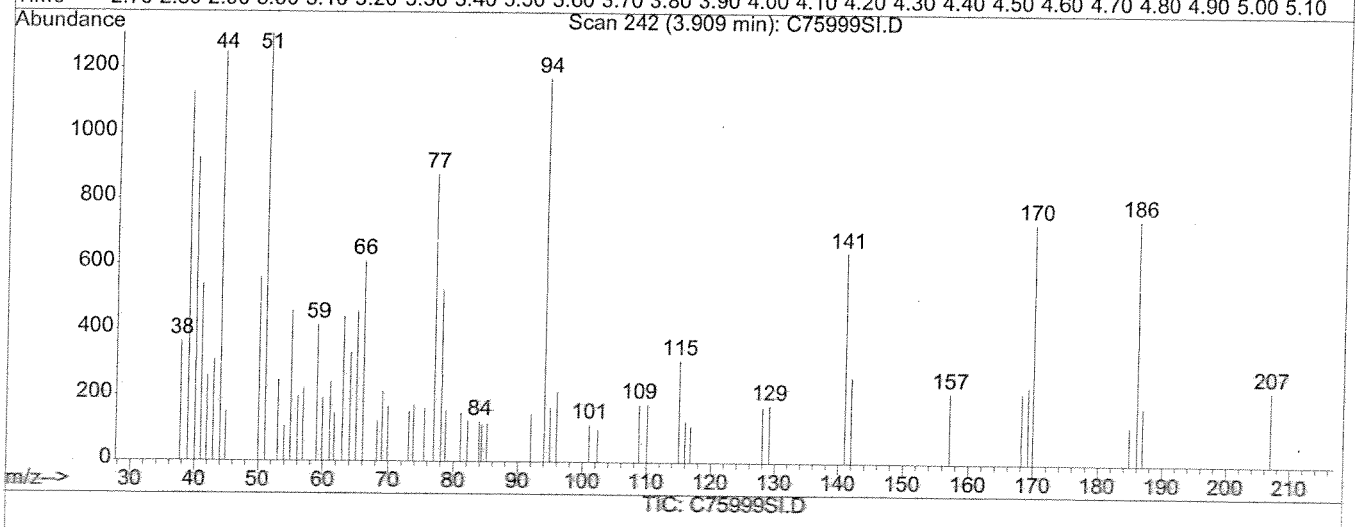


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:14 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





(7) t-Butyl alcohol (TBA) (TM)

3.91min 4.05ug/L

response 2075

Ion	Exp%	Act%
59.00	100	100
57.00	8.10	7.95
0.00	0.00	0.00
0.00	0.00	0.00

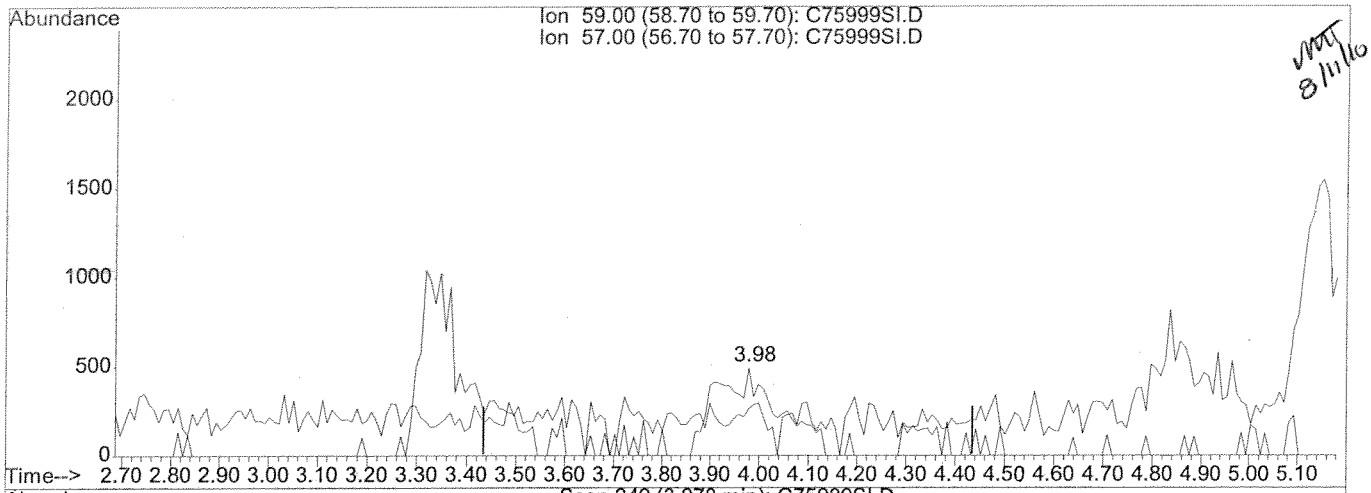
Quantitation Report (Qedit)

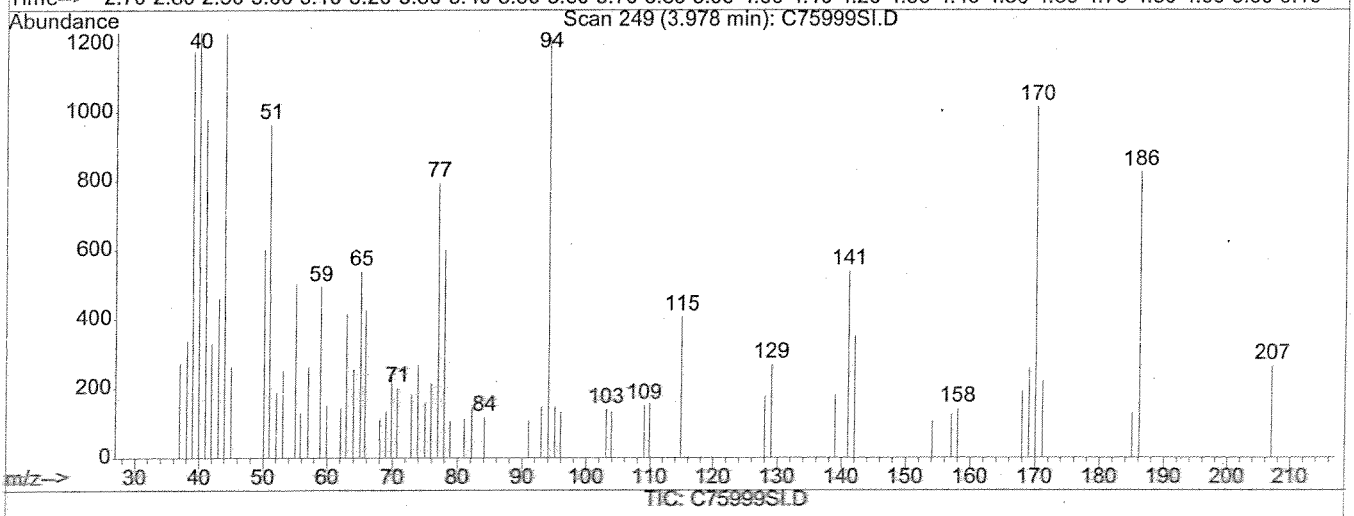
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:14 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 09.11.10

VMT 8/11/10





(7) t-Butyl alcohol (TBA) (TM)

3.98min 8.69ug/L m

response 4448

Ion	Exp%	Act%
59.00	100	100
57.00	8.10	3.71#
0.00	0.00	0.00
0.00	0.00	0.00

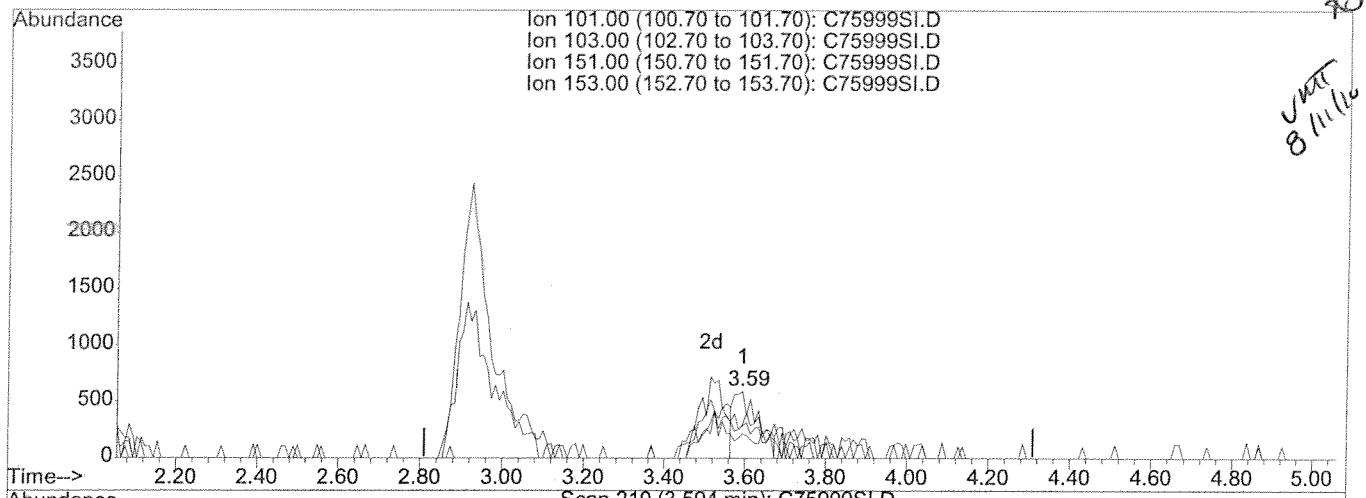
Quantitation Report (Qedit)

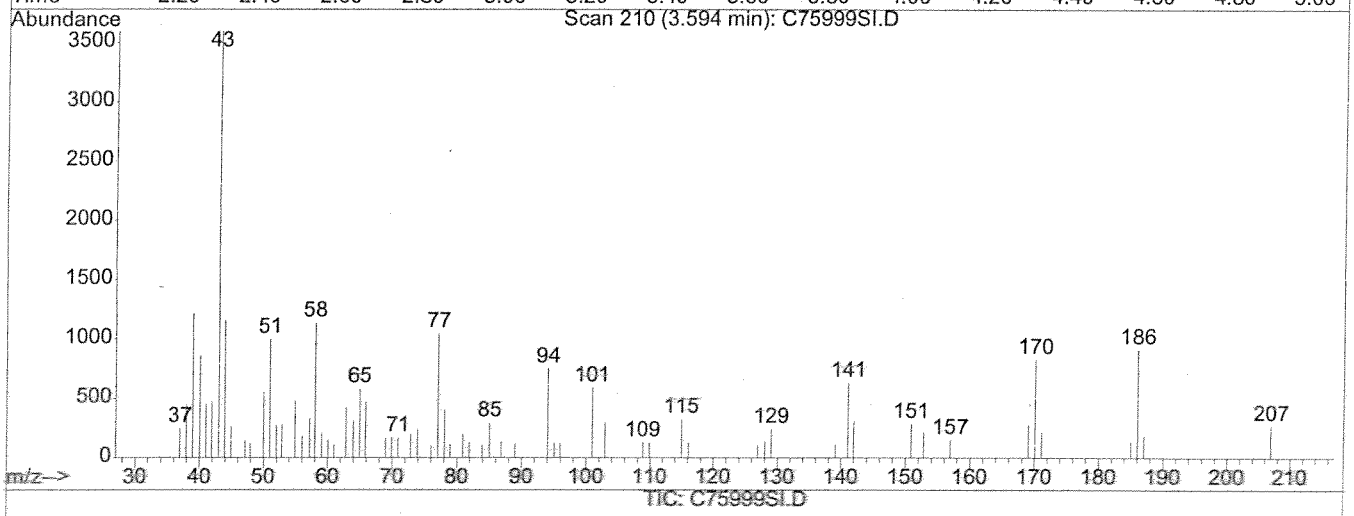
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:14 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08.11.10 TOP

VMT 8/11/10





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.59min 0.37ug/L

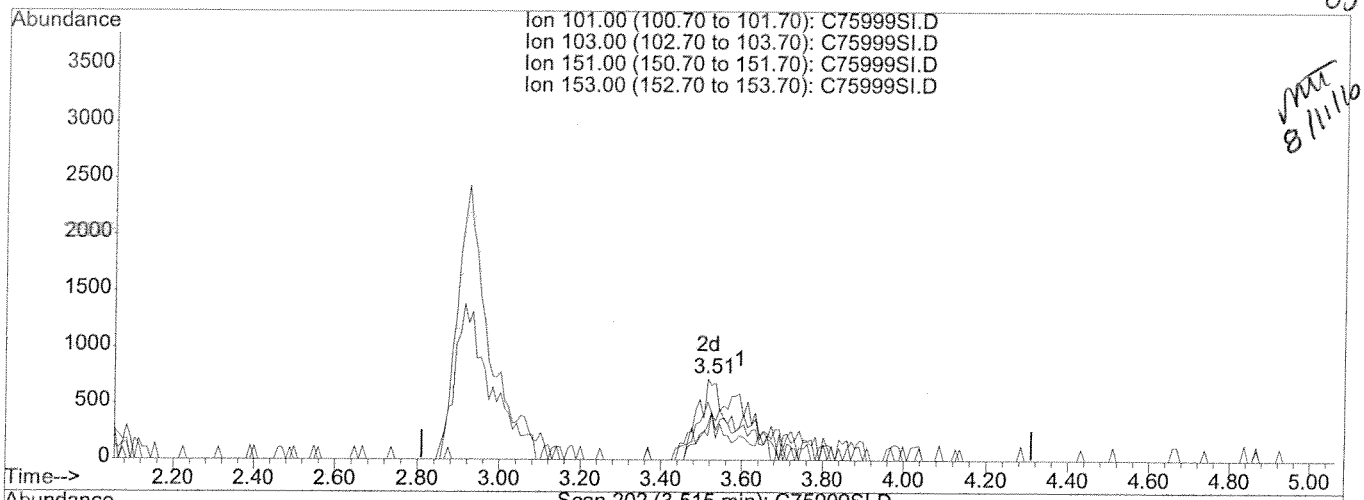
response 2526

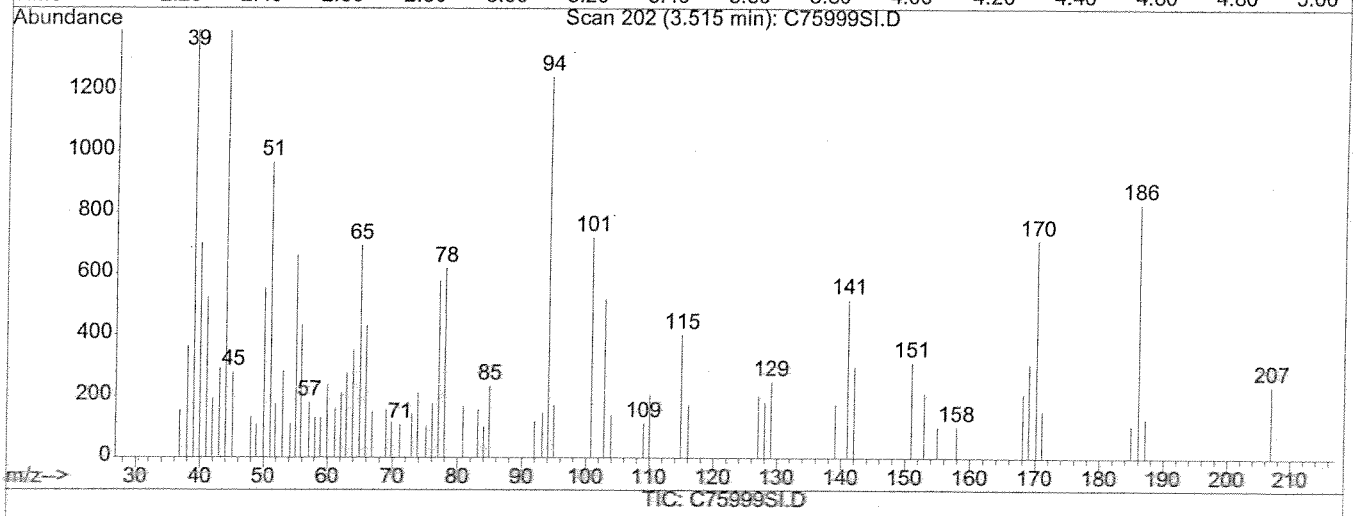
Ion	Exp%	Act%
101.00	100	100
103.00	57.00	32.90#
151.00	44.60	0.00#
153.00	24.40	0.00#

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.51min 0.96ug/L m

response 6600

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	12.59#
151.00	44.60	0.00#
153.00	24.40	0.00#

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08-11-10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	201313	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.59	114	385421	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	340024	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	151871	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	149434	20.54 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.70%		
36) d4-1,2-Dichloroethane	7.98	65	150166	20.63 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 103.15%		
54) d8-Toluene	10.84	98	425581	17.76 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 88.80%		
73) Bromofluorobenzene	14.99	95	162485	16.08 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.40%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	14796	1.08 ug/L	95
3) Chloromethane	1.98	50	19678	2.22 ug/L	92
4) Vinyl Chloride	2.02	62	15136	2.25 ug/L	96
5) Bromomethane	2.52	94	7346	1.17 ug/L	90
6) Chloroethane	2.59	64	11576	1.96 ug/L	96
7) t-Butyl alcohol (TBA)	3.95	59	7319	14.08 ug/L #	84
8) Trichlorofluoromethane	2.92	101	20977	1.62 ug/L	100
9) Diethyl ether	3.34	74	6224	1.71 ug/L	89
10) 1,1,2-Trichlorotrifluoroet	3.54	101	13419m	1.92 ug/L	
11) Acrolein	3.47	56	5209	8.08 ug/L #	68
12) Acetone	3.58	43	31342	10.88 ug/L #	80
13) 1,1-Dichloroethene	3.76	96	13389	2.03 ug/L #	88
14) Methyl iodide	4.21	142	8450	1.14 ug/L #	51
15) Di-isopropyl ether (DIPE)	5.58	45	57168	2.37 ug/L #	86
16) Methylene Chloride	4.50	84	21759	1.96 ug/L #	83
17) Carbon Disulfide	4.47	76	42861	1.81 ug/L	98
18) Acrylonitrile	4.73	53	6788	2.43 ug/L #	80
19) Methyl-tert-butyl ether (M	4.86	73	23557	1.35 ug/L #	77
20) trans-1,2-Dichloroethene	4.99	61	21851	2.26 ug/L	79
21) 1,1-Dichloroethane	5.69	63	26125	2.15 ug/L	94
22) Vinyl acetate	5.73	43	19956	1.65 ug/L #	94
23) Methyl ethyl ketone	6.41	72	6350	3.43 ug/L #	88
24) Ethyl t-butyl ether (ETBE)	6.24	59	42465	2.02 ug/L #	83
25) 2,2-Dichloropropane	6.61	77	13234	1.54 ug/L	100
26) cis-1,2-Dichloroethene	6.64	96	15707	1.99 ug/L #	85
27) t-Amyl methyl ether (TAME)	7.97	73	36551	1.89 ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

08-01-10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	24420	1.65 ug/L	99
30)	Bromochloromethane	7.11	128	7595	0.76 ug/L #	74
31)	Tetrahydrofuran	7.26	71	2735m	3.20 ug/L	
32)	1,1,1-Trichloroethane	7.51	97	18179	1.48 ug/L	83
33)	Ethanol	2.72	45	12258	109.18 ug/L #	83
34)	1,1-Dichloropropene	7.74	75	20134	1.96 ug/L	97
35)	Carbon Tetrachloride	7.90	119	10974	1.69 ug/L	94
37)	1,2-Dichloroethane	8.13	62	17543	1.83 ug/L	90
38)	Benzene	8.12	78	48351	1.82 ug/L	96
40)	Trichloroethene	9.06	95	16346	1.63 ug/L #	26
41)	1,2-Dichloropropane	9.33	63	13524	1.77 ug/L	90
42)	Methylmethacrylate	9.47	69	11377	2.06 ug/L #	76
43)	Methyl acetate	4.31	43	21584	2.41 ug/L #	96
44)	Cyclohexane	7.54	56	23766	2.06 ug/L #	69
45)	Bromodichloromethane	9.68	83	16255	1.40 ug/L	99
46)	Dibromomethane	9.75	93	11669	1.74 ug/L #	77
47)	1,4-Dioxane	9.75	88	4356	6.96 ug/L #	64
48)	Methylcyclohexane	9.16	83	20637	1.47 ug/L #	80
50)	2-Chloroethylvinyl ether	10.17	63	7454	1.75 ug/L #	81
51)	2-Hexanone	11.54	58	26876	9.44 ug/L	81
52)	Methyl isobutyl ketone	10.23	58	28281	9.40 ug/L #	71
53)	cis-1,3-Dichloropropene	10.50	75	21655	1.64 ug/L	98
55)	Toluene	10.97	92	31694	1.62 ug/L #	79
56)	trans-1,3-Dichloropropene	11.26	75	19649	1.51 ug/L	90
58)	1,1,2-Trichloroethane	11.48	83	10044	1.52 ug/L	97
59)	1,3-Dichloropropane	11.86	76	21711	1.66 ug/L	93
60)	Tetrachloroethene	11.94	166	14307	1.79 ug/L	84
61)	Dibromochloromethane	12.23	129	13692	1.38 ug/L	87
62)	1,2-Dibromoethane	12.53	107	14011	1.72 ug/L	84
64)	Chlorobenzene	13.18	112	35489	1.98 ug/L #	81
65)	1,1,1,2-Tetrachloroethane	13.25	131	11790	1.44 ug/L	87
66)	Ethylbenzene	13.28	91	55692	1.51 ug/L	88
67)	m,p-Xylene	13.40	106	45032	3.86 ug/L #	49
68)	o-Xylene	14.06	106	22399	1.96 ug/L #	51
69)	Styrene	14.11	104	36793	1.80 ug/L	78
70)	Bromoform	14.60	173	6543	1.34 ug/L	91
71)	Isopropylbenzene	14.62	105	58688	1.87 ug/L	90
72)	1,1,2,2-Tetrachloroethane	14.88	83	17007	1.61 ug/L	95
74)	1,2,3-Trichloropropane	15.10	75	12985	1.71 ug/L #	86
75)	trans-1,4-Dichloro-2-buten	15.24	89	4529	1.44 ug/L #	26
76)	n-Propylbenzene	15.24	91	68692	1.55 ug/L	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08.11.10
VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	12373	1.60 ug/L #	85
78)	1,3,5-Trimethylbenzene	15.50	105	47109	1.85 ug/L	86
79)	2-Chlorotoluene	15.50	91	41778	1.45 ug/L	68
80)	4-Chlorotoluene	15.57	91	38454	1.43 ug/L	59
81)	tert-butylbenzene	16.04	119	40743	1.79 ug/L #	77
82)	1,2,4-Trimethylbenzene	16.10	105	48187	1.80 ug/L	88
83)	Diisobutylketone	15.19	57	174614	9.96 ug/L #	78
84)	sec-butylbenzene	16.37	105	64346	1.90 ug/L	88
85)	p-isopropyltoluene	16.60	119	50224	1.75 ug/L	82
86)	1,3-Dichlorobenzene	16.72	146	24843	1.69 ug/L #	75
88)	1,4-Dichlorobenzene	16.89	146	24790	1.87 ug/L #	81
89)	n-butylbenzene	17.24	91	47346	1.76 ug/L	82
90)	1,2-Dichlorobenzene	17.45	146	22787	1.92 ug/L #	80
92)	1,2-Dibromo-3-chloropropan	18.70	75	3596	1.62 ug/L	96
94)	1,2,4-Trichlorobenzene	20.10	180	17129	2.03 ug/L	94
95)	Hexachlorobutadiene	20.35	225	8712	1.45 ug/L	98
96)	Naphthalene	20.49	128	42263	1.94 ug/L	98
97)	1,2,3-Trichlorobenzene	20.90	180	14887	1.97 ug/L	82
98)	1,3,5-Trichlorobenzene	19.09	180	19122	2.17 ug/L	96

(#) = qualifier out of range (m) = manual integration

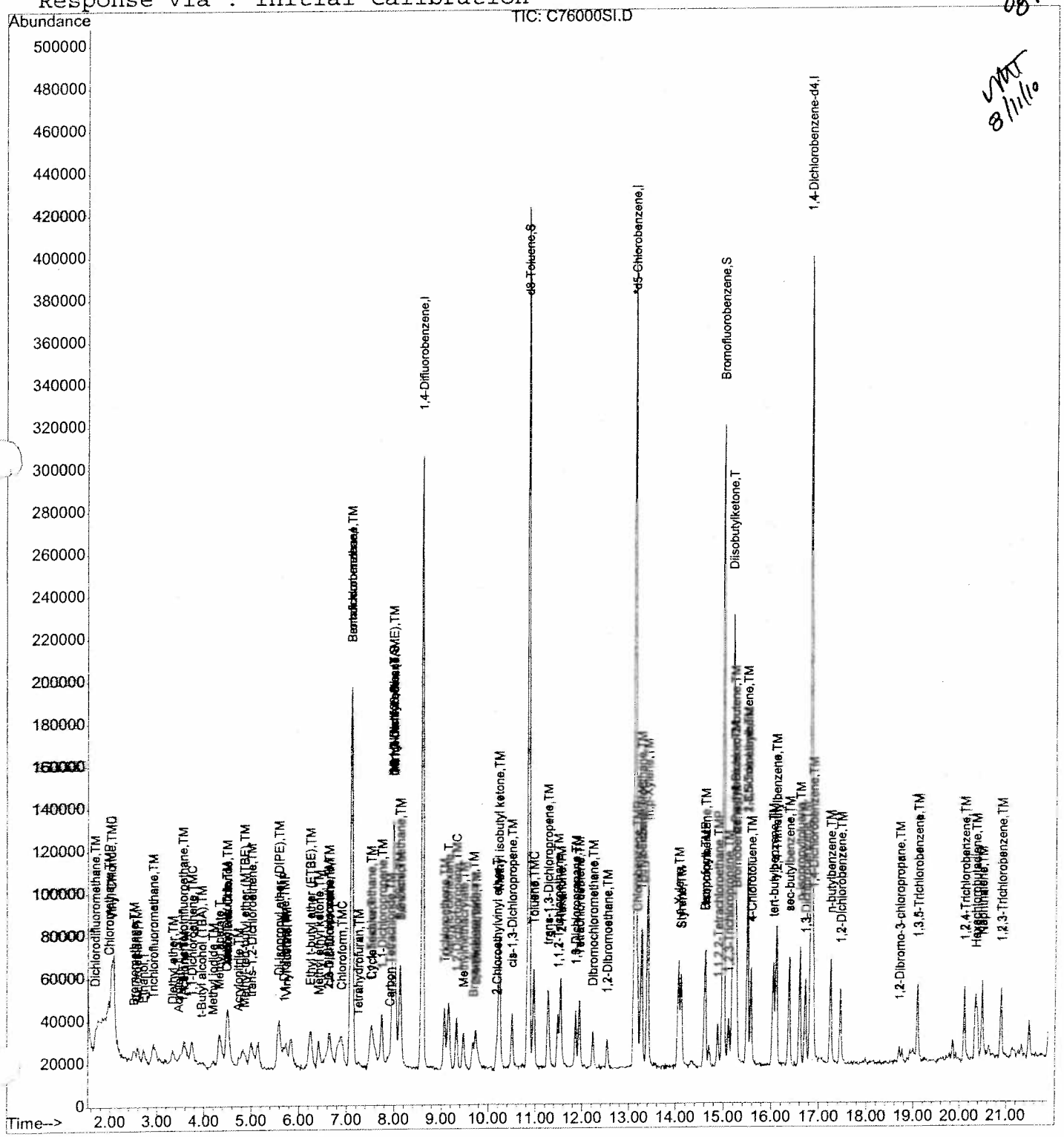
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JK 08/11/10

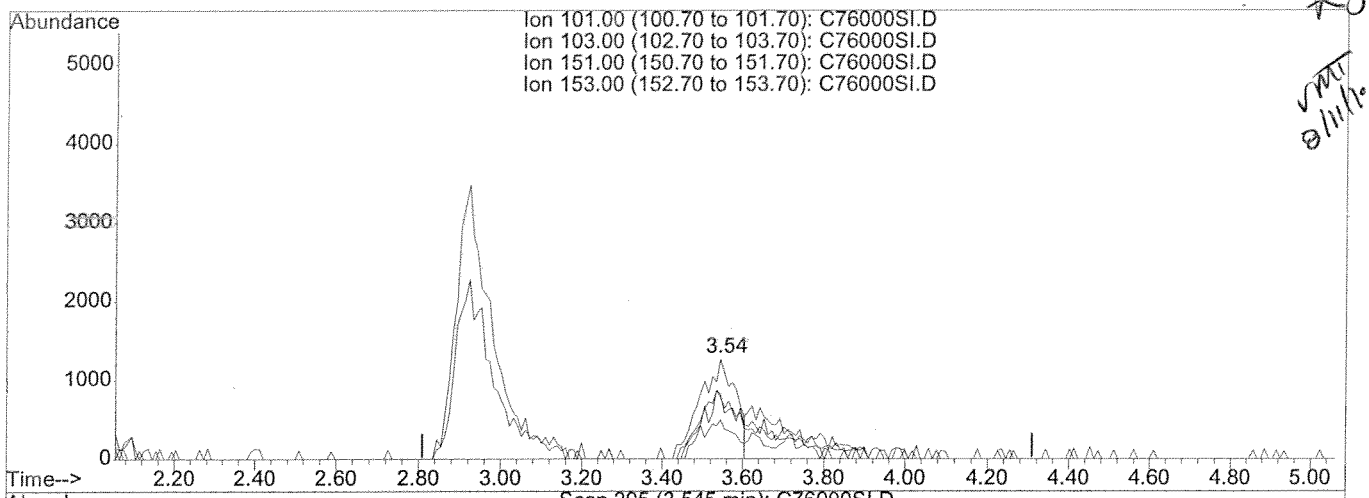
VMT 8/11/10

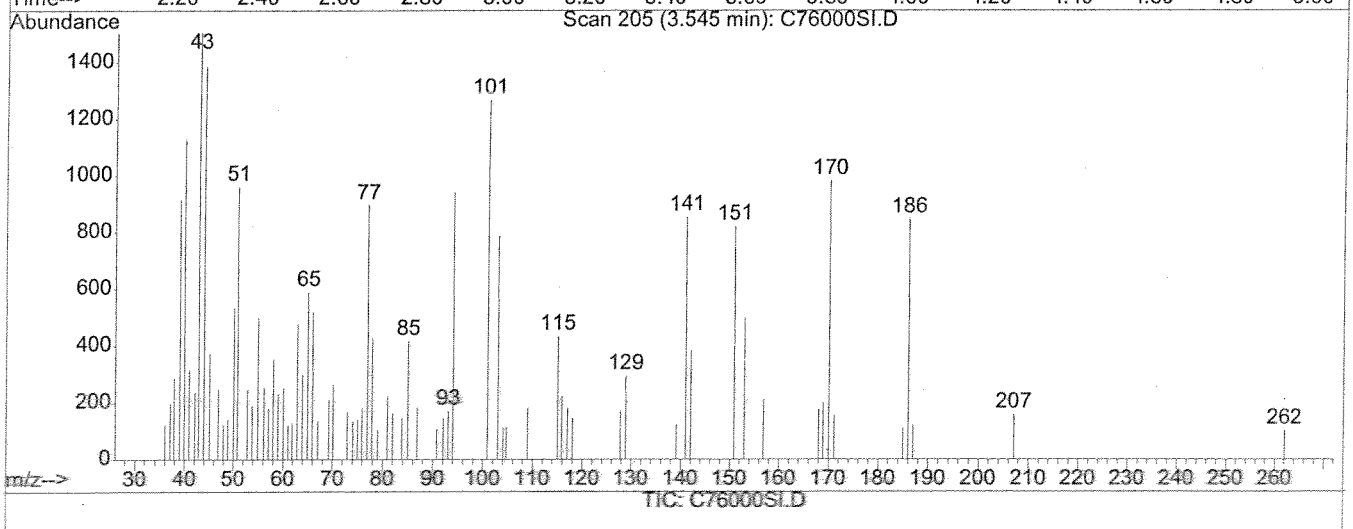

Abundance
TIC: C76000SI.D
Dichlorodifluoromethane,TM
Chloromethane,TMC
Bromomethane,TM
Ethanol,T
Trichlorofluoromethane,TM
Diethyl ether,TM
Acetone,TM
t-Butyl alcohol (TBA),TM
Methyl iodide,TM
Carbon disulfide,TM
Acrylonitrile,TM
trans-1,2-Dichloroethene,TM
Diisopropyl ether (DIPE),TM
Ethyl t-butyl ether (ETBE),TM
Methyl ethyl ketone,TM
2,2-Dichloropropane,TM
Chloroform,TMC
Tetrahydrofuran,TM
Cyclohexane,TM
1,1-Dichloroethane,TM
Carbon tetrachloride,TM
Methyl t-butyl ether (MTBE),TM
Methyl acrylate,TM
Methyl acrylate,TM
Methyl methacrylate,TM
Methyl methacrylate,TM
Methyl acrylate,TM
Methyl acrylate,TM
Methyl ac

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:32 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





TIC: C76000SI.D

(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.54min 1.12ug/L

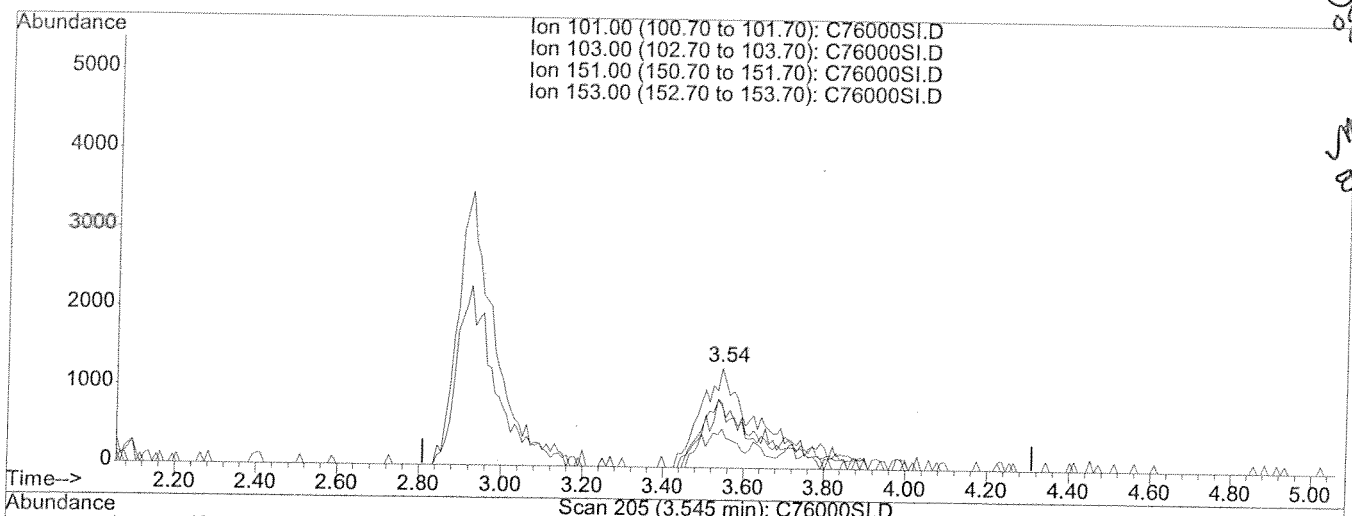
response 7842

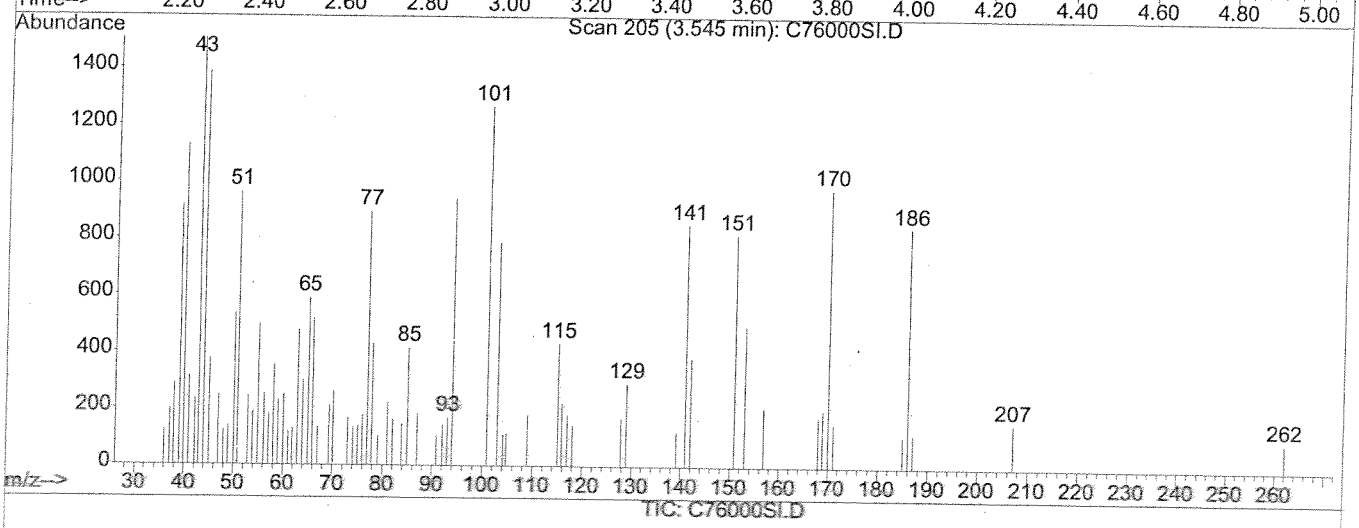
Ion	Exp%	Act%
101.00	100	100
103.00	57.00	80.57#
151.00	44.60	70.07#
153.00	24.40	22.63

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:32 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.54min 1.92ug/L m

response 13419

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	47.08
151.00	44.60	40.95
153.00	24.40	13.23#

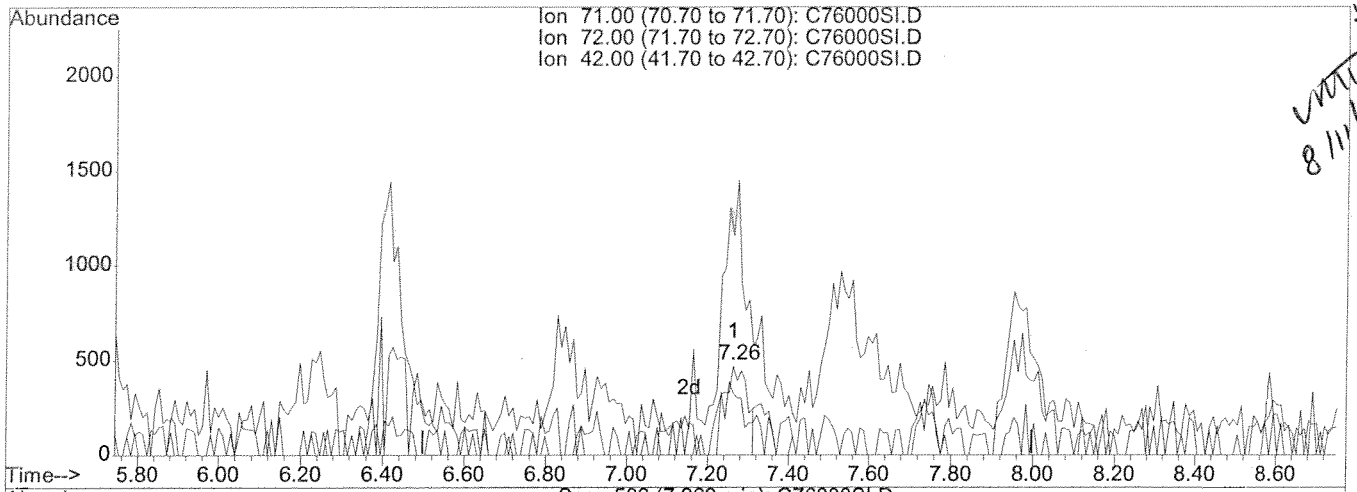
C76000SI.D V808100C.M Tue Aug 10 13:32:51 2010

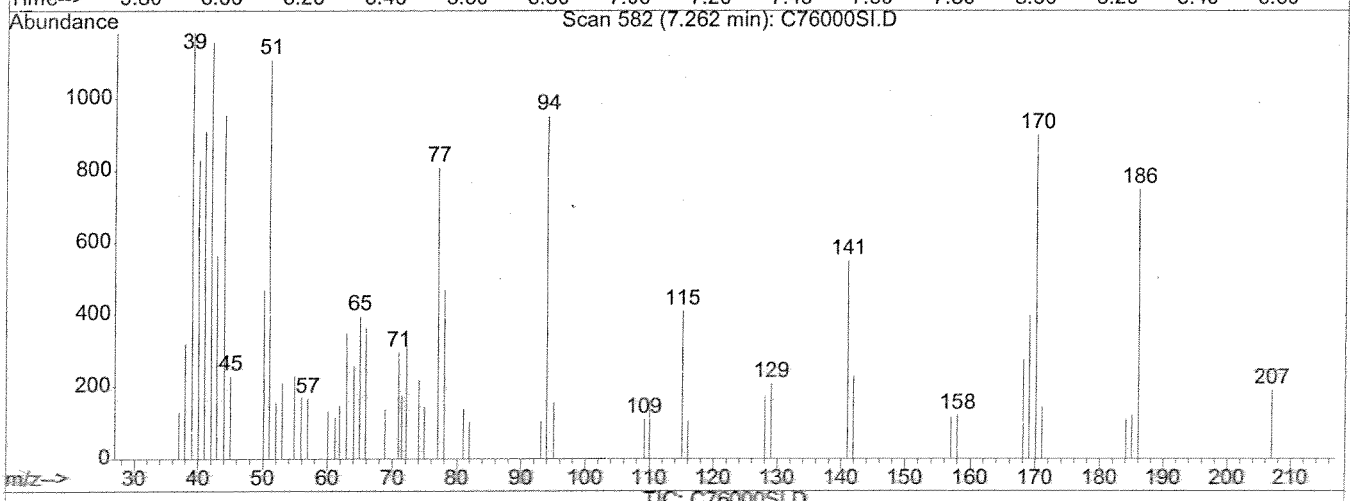
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:32 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 08.11.10 #5P
VMT 8/11/10





(31) Tetrahydrofuran (TM)

7.26min 2.27ug/L

response 2083

Ion	Exp%	Act%
71.00	100	100
72.00	87.30	60.97#
42.00	272.10	268.75
0.00	0.00	0.00

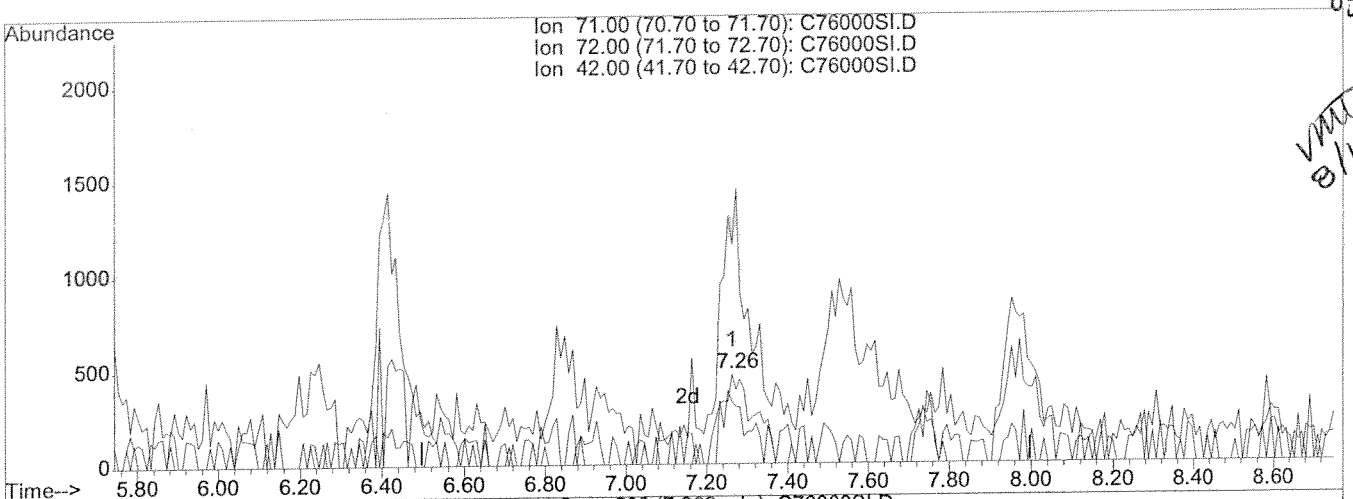
Quantitation Report (Qedit)

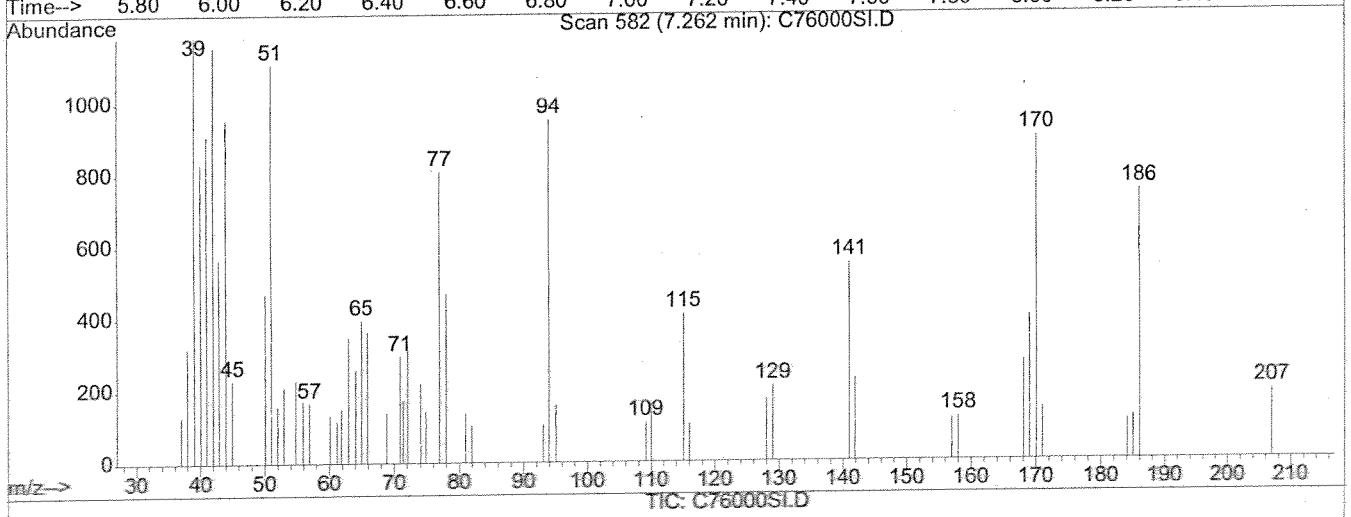
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 09/11/10

VMT 8/11/10





(31) Tetrahydrofuran (TM)

7.26min 3.20ug/L m

response 2735

Ion	Exp%	Act%
71.00	100	100
72.00	87.30	46.44#
42.00	272.10	204.68#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08/11/10 VMM 8/11/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	191436	20.00	ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	377072	20.00	ug/L	-0.01
63) *d5-Chlorobenzene	13.11	117	326733	20.00	ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	146462	20.00	ug/L	0.00

System Monitoring Compounds						
28) DB Holder #28	7.98	65	146343	21.16	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.80%			
36) d4-1,2-Dichloroethane	7.98	65	146343	21.14	ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 105.70%			
54) d8-Toluene	10.85	98	413991	17.66	ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 88.30%			
73) Bromofluorobenzene	14.99	95	155961	16.06	ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.30%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.69	85	34899	3.79	ug/L	96
3) Chloromethane	1.97	50	51355	6.33	ug/L	96
4) Vinyl Chloride	2.02	62	36194	5.66	ug/L	92
5) Bromomethane	2.50	94	20284	3.39	ug/L	94
6) Chloroethane	2.59	64	28010	6.00	ug/L	92
7) t-Butyl alcohol (TBA)	3.94	59	17231	34.86	ug/L #	90
8) Trichlorofluoromethane	2.91	101	54024	4.40	ug/L	98
9) Diethyl ether	3.32	74	13244	3.83	ug/L	89
10) 1,1,2-Trichlorotrifluoroet	3.52	101	28298m	4.27	ug/L	
11) Acrolein	3.48	56	7754	14.94	ug/L #	67
12) Acetone	3.58	43	63883	28.45	ug/L #	81
13) 1,1-Dichloroethene	3.74	96	25742	4.10	ug/L	88
14) Methyl iodide	4.19	142	18608	2.63	ug/L #	39
15) Di-isopropyl ether (DIPE)	5.58	45	121006	5.28	ug/L #	85
16) Methylene Chloride	4.51	84	33087	3.78	ug/L #	74
17) Carbon Disulfide	4.48	76	88956	3.95	ug/L #	91
18) Acrylonitrile	4.72	53	15408	5.81	ug/L #	87
19) Methyl-tert-butyl ether (M	4.84	73	69083	4.16	ug/L	99
20) trans-1,2-Dichloroethene	4.99	61	42711	4.64	ug/L	87
21) 1,1-Dichloroethane	5.69	63	54200	4.69	ug/L	90
22) Vinyl acetate	5.73	43	49691	4.31	ug/L #	93
23) Methyl ethyl ketone	6.40	72	15588	19.67	ug/L #	94
24) Ethyl t-butyl ether (ETBE)	6.23	59	89051	4.45	ug/L #	80
25) 2,2-Dichloropropane	6.60	77	33253	4.06	ug/L	97
26) cis-1,2-Dichloroethene	6.65	96	30585	4.08	ug/L	86
27) t-Amyl methyl ether (TAME)	7.97	73	72899	3.97	ug/L	90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 8/11/10 VMT 8/11/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.89	83	49918	3.56 ug/L	94
30) Bromochloromethane	7.13	128	15532	3.59 ug/L #	86
31) Tetrahydrofuran	7.26	71	5489	7.51 ug/L	82
32) 1,1,1-Trichloroethane	7.51	97	40362	3.46 ug/L #	78
33) Ethanol	2.71	45	28901	338.84 ug/L #	90
34) 1,1-Dichloropropene	7.74	75	39235	4.02 ug/L	93
35) Carbon Tetrachloride	7.89	119	23214	3.76 ug/L	99
37) 1,2-Dichloroethane	8.12	62	42684	4.68 ug/L	99
38) Benzene	8.12	78	102632	4.07 ug/L	97
40) Trichloroethene	9.06	95	33611	3.42 ug/L #	44
41) 1,2-Dichloropropane	9.33	63	29921	4.01 ug/L	99
42) Methylmethacrylate	9.47	69	22646	4.19 ug/L #	80
43) Methyl acetate	4.31	43	38872	4.44 ug/L #	91
44) Cyclohexane	7.54	56	50606	4.49 ug/L #	70
45) Bromodichloromethane	9.67	83	33909	2.98 ug/L	99
46) Dibromomethane	9.73	93	23222	3.55 ug/L #	80
47) 1,4-Dioxane	9.73	88	10059	71.51 ug/L #	75
48) Methylcyclohexane	9.15	83	44379	3.24 ug/L #	82
50) 2-Chloroethylvinyl ether	10.18	63	16489	3.96 ug/L	91
51) 2-Hexanone	11.54	58	61152	21.96 ug/L	76
52) Methyl isobutyl ketone	10.23	58	64623	21.95 ug/L #	64
53) cis-1,3-Dichloropropene	10.50	75	44726	3.46 ug/L	96
55) Toluene	10.96	92	64483	3.37 ug/L	87
56) trans-1,3-Dichloropropene	11.26	75	41479	3.27 ug/L	88
58) 1,1,2-Trichloroethane	11.48	83	20834	3.22 ug/L	96
59) 1,3-Dichloropropane	11.86	76	43036	3.37 ug/L	96
60) Tetrachloroethene	11.94	166	36401	4.66 ug/L	94
61) Dibromochloromethane	12.23	129	28362	2.91 ug/L	98
62) 1,2-Dibromoethane	12.53	107	30015	3.77 ug/L	99
64) Chlorobenzene	13.17	112	74063	4.31 ug/L	86
65) 1,1,1,2-Tetrachloroethane	13.25	131	26348	3.36 ug/L	95
66) Ethylbenzene	13.27	91	117180	3.31 ug/L	81
67) m,p-Xylene	13.39	106	94234	8.40 ug/L #	54
68) o-Xylene	14.05	106	46837	4.27 ug/L #	50
69) Styrene	14.11	104	81579	4.15 ug/L	73
70) Bromoform	14.59	173	15372	3.27 ug/L	100
71) Isopropylbenzene	14.61	105	121480	4.03 ug/L	90
72) 1,1,2,2-Tetrachloroethane	14.88	83	35172	3.47 ug/L	95
74) 1,2,3-Trichloropropane	15.11	75	27158	3.73 ug/L	96
75) trans-1,4-Dichloro-2-buten	15.23	89	8939	2.96 ug/L #	37
76) n-Propylbenzene	15.23	91	141389	3.32 ug/L	88

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	27899	3.76 ug/L #	76
78)	1,3,5-Trimethylbenzene	15.49	105	98322	4.02 ug/L	84
79)	2-Chlorotoluene	15.49	91	90789	3.28 ug/L	67
80)	4-Chlorotoluene	15.58	91	81217	3.14 ug/L	73
81)	tert-butylbenzene	16.04	119	82992	3.79 ug/L #	74
82)	1,2,4-Trimethylbenzene	16.10	105	102295	3.98 ug/L	85
83)	Diisobutylketone	15.19	57	360503	21.40 ug/L #	80
84)	sec-butylbenzene	16.38	105	135212	4.16 ug/L	87
85)	p-isopropyltoluene	16.60	119	104666	3.80 ug/L	83
86)	1,3-Dichlorobenzene	16.71	146	48912	3.47 ug/L #	83
88)	1,4-Dichlorobenzene	16.88	146	51429	4.03 ug/L #	83
89)	n-butylbenzene	17.25	91	100866	3.89 ug/L	67
90)	1,2-Dichlorobenzene	17.45	146	46677	4.07 ug/L #	82
92)	1,2-Dibromo-3-chloropropan	18.71	75	7238	4.41 ug/L	86
94)	1,2,4-Trichlorobenzene	20.11	180	36632	4.50 ug/L	98
95)	Hexachlorobutadiene	20.35	225	17165	2.97 ug/L	99
96)	Naphthalene	20.49	128	91457	4.36 ug/L	99
97)	1,2,3-Trichlorobenzene	20.89	180	31991	4.38 ug/L	85
98)	1,3,5-Trichlorobenzene	19.09	180	37894	4.46 ug/L	99

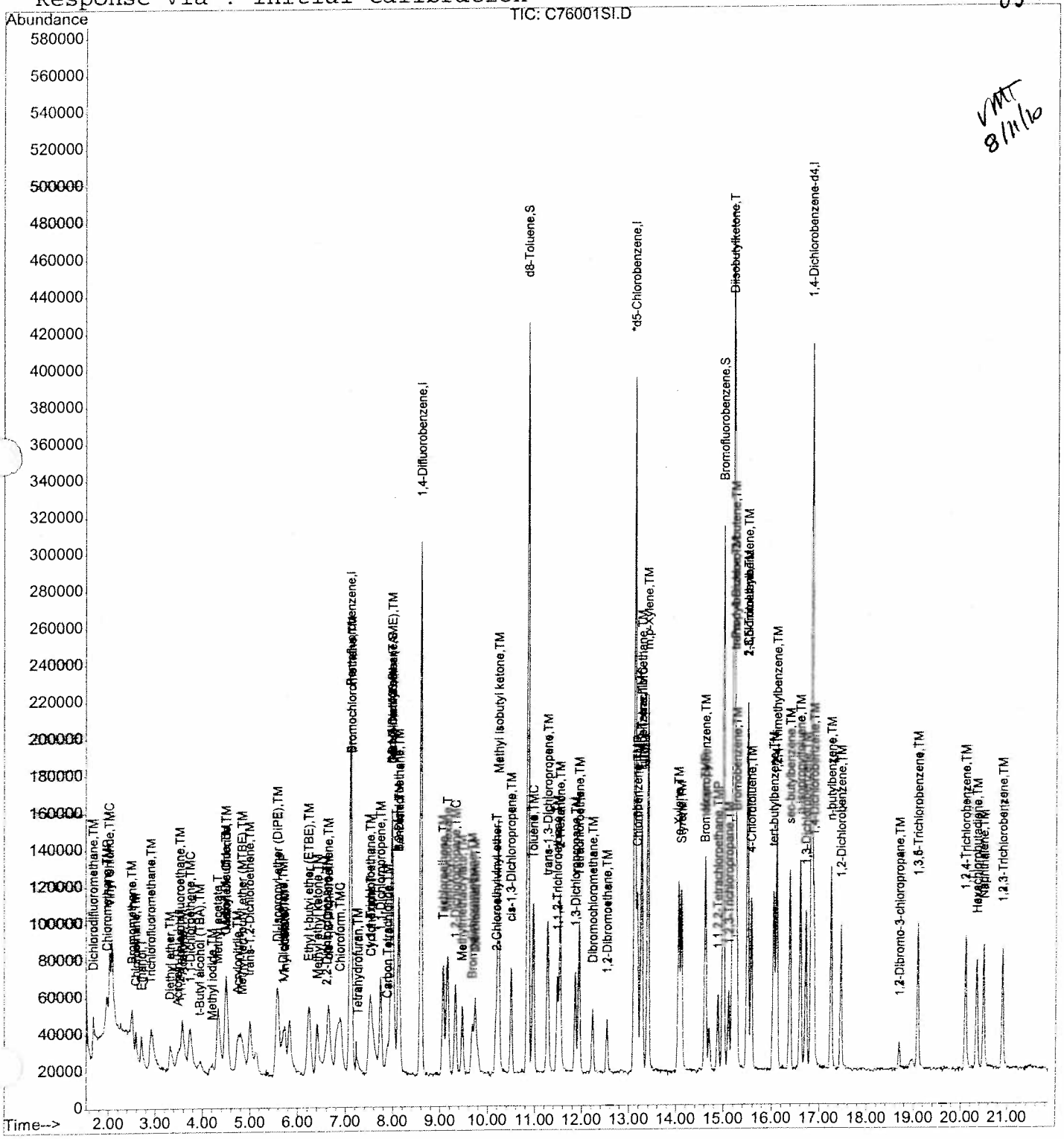
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

SL 08.11.10


TIC: C76001SI.D
Abundance
Time-->
d8-Toluene,S
*d5-Chlorobenzene,I
1,4-Difluorobenzene,I
1,4-Dichlorobenzene-d4,I
Bromofluorobenzene,S
Methyl isobutyl ketone,TM
Toluene,TMC
Tetrahydrofuran,TM
Chloroform,TMC
Dichlorodifluoromethane,TM
Chloromethane,TMC
Diethyl ether,TM
Ethyl t-butyl ether (ETBE),TM
Methyl ethyl ketone,TM
Methyl t-butyl ether (MTBE),TM
Carbon Tetrachloride,TM
cis-1,3-Dichloropropene,TM
trans-1,3-Dichloropropene,TM
1,2-Dibromoethane,TM
1,2-Dichlorobenzene,TM
1,2-Dibromo-3-chloropropane,TM
1,3,5-Trichlorobenzene,TM
1,2,4-Trichlorobenzene,TM
1,2,3-Trichlorobenzene,TM
Hexachlorobutadiene,TM
Naphthalene,TM
n-butylbenzene,TM
sec-butylbenzene,TM
tert-butylbenzene,TM
4-Chlorotoluene,TM
Bromobenzene,TM
Dibromochloromethane,TM
Bromochloromethane,TM
Styrene,TM
Xylene,TM
m,p-Xylene,TM
Chlorobenzene,TM
Dibromomethane,TM
Bromoform,TM
Tetrachloroethene,TM
Tetrachloroethane,TM
Carbon Tetrachloride,TM
Methyl acetate,T
Methyl iodide,TM
Methylene Chloride,TMC
Acrylonitrile,TM
t-Butyl alcohol (TBA),TM
Methyl acrylonitrile,TM
Ethanol,T
Acetone,T
Acrolein,T
Acetone,T
Methyl ethyl ketone,T
Methyl isobutyl ketone,T
Methyl t-butyl ket

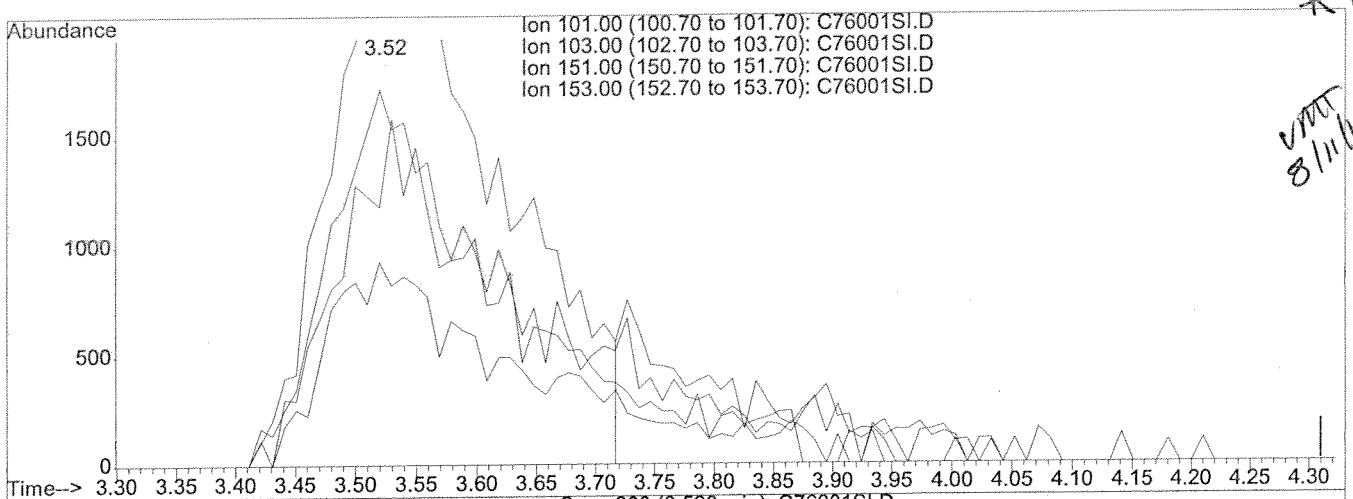
Quantitation Report (Qedit)

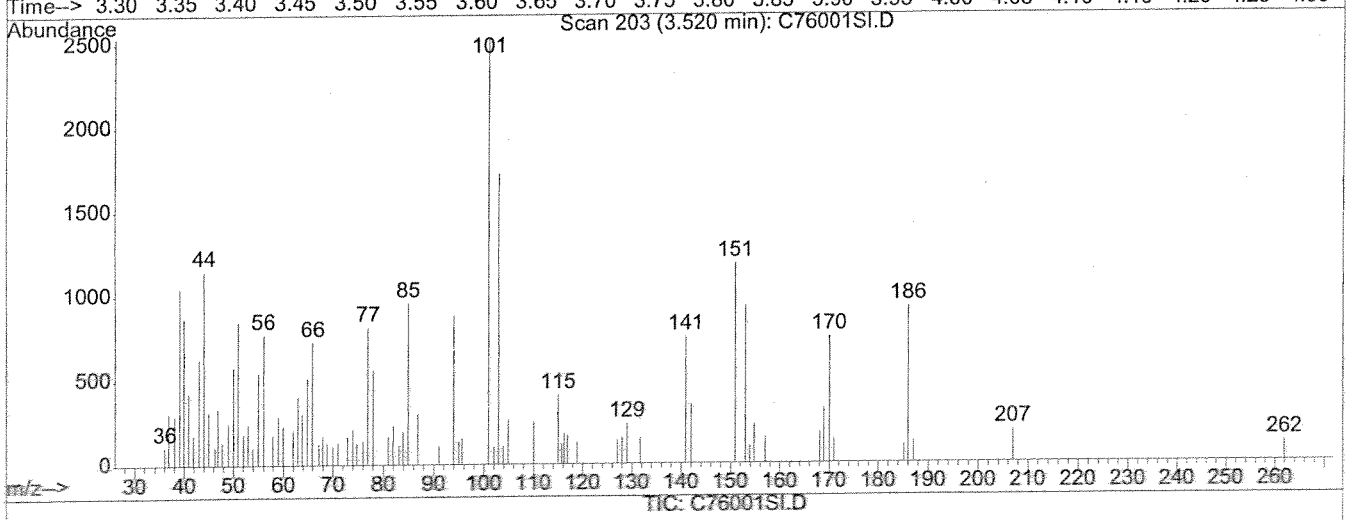
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JR 03-11-10 *Tailing

VMT 8/11/10





TIC: C76001SI.D

(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.52min 3.63ug/L

response 24082

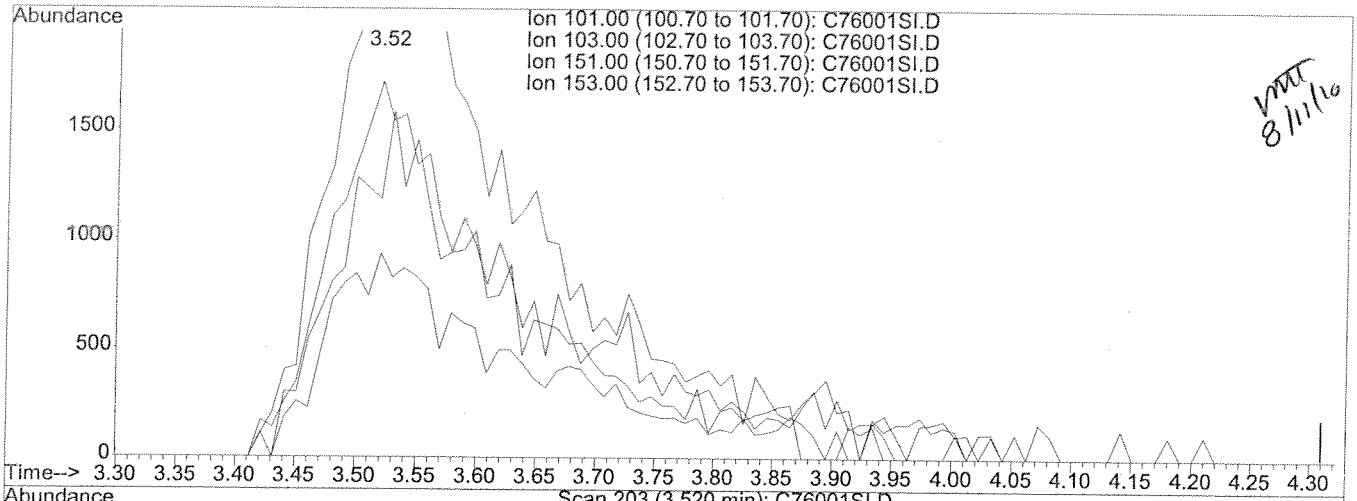
Ion	Exp%	Act%
101.00	100	100
103.00	57.00	57.93
151.00	44.60	35.84
153.00	24.40	22.02

Quantitation Report (Qedit)

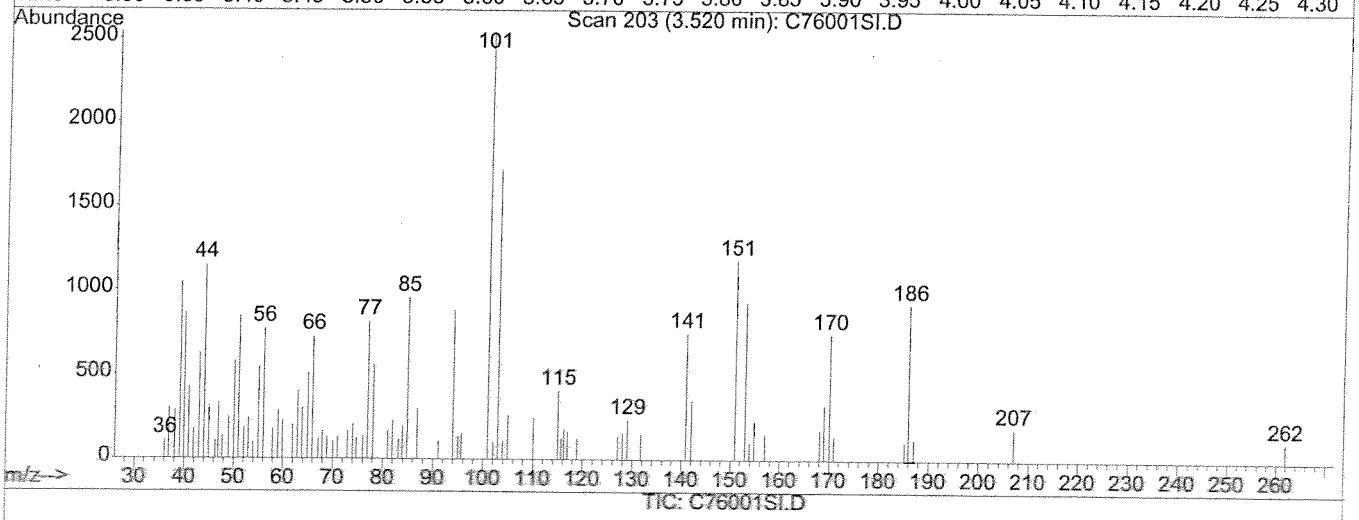
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 08-11-10



VMT 8/11/10



(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.52min 4.27ug/L m

response 28298

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	49.30
151.00	44.60	30.50#
153.00	24.40	18.74#

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

08-11-10 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	196981	20.00 ug/L	-0.02
39) 1,4-Difluorobenzene	8.59	114	387499	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	343169	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	149841	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	156525	21.99 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 109.95%		
36) d4-1,2-Dichloroethane	7.98	65	156692	22.00 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 110.00%		
54) d8-Toluene	10.85	98	430548	17.87 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 89.35%		
73) Bromofluorobenzene	14.99	95	163609	16.04 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.20%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	143775	17.44 ug/L	99
3) Chloromethane	1.97	50	194977	25.21 ug/L	95
4) Vinyl Chloride	2.02	62	142166	21.60 ug/L	95
5) Bromomethane	2.49	94	114196	18.54 ug/L	95
6) Chloroethane	2.59	64	108977	24.54 ug/L	89
7) t-Butyl alcohol (TBA)	3.92	59	60998	119.92 ug/L #	89
8) Trichlorofluoromethane	2.90	101	229734	18.18 ug/L	97
9) Diethyl ether	3.32	74	70160	19.70 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.52	101	125850	18.44 ug/L #	90
11) Acrolein	3.46	56	41435	94.63 ug/L	97
12) Acetone	3.56	43	264926	128.30 ug/L #	81
13) 1,1-Dichloroethene	3.74	96	116593	18.03 ug/L	86
14) Methyl iodide	4.18	142	123337	16.95 ug/L #	40
15) Di-isopropyl ether (DIPE)	5.58	45	567076	24.04 ug/L #	85
16) Methylene Chloride	4.50	84	136672	18.39 ug/L #	72
17) Carbon Disulfide	4.48	76	416926	17.99 ug/L	100
18) Acrylonitrile	4.72	53	64777	23.73 ug/L	96
19) Methyl-tert-butyl ether (M	4.82	73	300829	17.61 ug/L #	90
20) trans-1,2-Dichloroethene	4.99	61	199923	21.10 ug/L	88
21) 1,1-Dichloroethane	5.68	63	243519	20.46 ug/L	94
22) Vinyl acetate	5.73	43	258759	21.83 ug/L #	94
23) Methyl ethyl ketone	6.39	72	69867	108.64 ug/L	94
24) Ethyl t-butyl ether (ETBE)	6.23	59	423941	20.58 ug/L #	81
25) 2,2-Dichloropropane	6.58	77	147495	17.52 ug/L	98
26) cis-1,2-Dichloroethene	6.65	96	147166	19.06 ug/L #	86
27) t-Amyl methyl ether (TAME)	7.96	73	336881	17.83 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	233484	16.17 ug/L	96
30)	Bromochloromethane	7.12	128	65241	19.89 ug/L	88
31)	Tetrahydrofuran	7.24	71	16719	23.57 ug/L	84
32)	1,1,1-Trichloroethane	7.53	97	190754	15.88 ug/L	83
33)	Ethanol	2.71	45	125574	1579.25 ug/L #	90
34)	1,1-Dichloropropene	7.74	75	182766	18.22 ug/L	94
35)	Carbon Tetrachloride	7.89	119	118707	18.69 ug/L	99
37)	1,2-Dichloroethane	8.12	62	182181	19.41 ug/L	97
38)	Benzene	8.13	78	468573	18.05 ug/L	97
40)	Trichloroethene	9.06	95	149187	14.77 ug/L #	48
41)	1,2-Dichloropropane	9.32	63	133791	17.45 ug/L	96
42)	Methylmethacrylate	9.46	69	94259	16.95 ug/L	93
43)	Methyl acetate	4.29	43	188949	21.00 ug/L #	93
44)	Cyclohexane	7.54	56	223845	19.31 ug/L #	76
45)	Bromodichloromethane	9.68	83	162219	13.88 ug/L	97
46)	Dibromomethane	9.74	93	97497	14.49 ug/L #	72
47)	1,4-Dioxane	9.73	88	42691	422.03 ug/L #	67
48)	Methylcyclohexane	9.15	83	200480	14.22 ug/L #	81
50)	2-Chloroethylvinyl ether	10.17	63	72400	16.93 ug/L #	88
51)	2-Hexanone	11.53	58	276769	96.70 ug/L	83
52)	Methyl isobutyl ketone	10.22	58	292632	96.72 ug/L #	65
53)	cis-1,3-Dichloropropene	10.50	75	215178	16.22 ug/L	97
55)	Toluene	10.96	92	301507	15.32 ug/L #	84
56)	trans-1,3-Dichloropropene	11.25	75	200150	15.34 ug/L	91
58)	1,1,2-Trichloroethane	11.47	83	101222	15.22 ug/L	91
59)	1,3-Dichloropropane	11.86	76	204900	15.60 ug/L	97
60)	Tetrachloroethene	11.95	166	136315	17.00 ug/L	92
61)	Dibromochloromethane	12.23	129	141990	14.19 ug/L	92
62)	1,2-Dibromoethane	12.53	107	146001	17.85 ug/L	95
64)	Chlorobenzene	13.18	112	343982	19.06 ug/L	87
65)	1,1,1,2-Tetrachloroethane	13.25	131	121572	14.75 ug/L	97
66)	Ethylbenzene	13.28	91	537996	14.45 ug/L	80
67)	m,p-Xylene	13.39	106	440196	37.35 ug/L #	54
68)	o-Xylene	14.06	106	218381	18.95 ug/L #	50
69)	Styrene	14.10	104	375963	18.22 ug/L	76
70)	Bromoform	14.60	173	84475	17.10 ug/L	94
71)	Isopropylbenzene	14.62	105	559376	17.68 ug/L	92
72)	1,1,2,2-Tetrachloroethane	14.88	83	165463	15.56 ug/L	97
74)	1,2,3-Trichloropropane	15.10	75	123585	16.15 ug/L	94
75)	trans-1,4-Dichloro-2-buten	15.23	89	45928	14.50 ug/L #	60
76)	n-Propylbenzene	15.24	91	653841	14.64 ug/L	87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	127198	16.32 ug/L #	83
78)	1,3,5-Trimethylbenzene	15.50	105	448118	17.43 ug/L	82
79)	2-Chlorotoluene	15.50	91	415081	14.29 ug/L	71
80)	4-Chlorotoluene	15.57	91	384436	14.16 ug/L	64
81)	tert-butylbenzene	16.04	119	392986	17.11 ug/L #	73
82)	1,2,4-Trimethylbenzene	16.10	105	471738	17.49 ug/L	86
83)	Diisobutylketone	15.20	57	1651433	93.35 ug/L #	79
84)	sec-butylbenzene	16.37	105	620566	18.17 ug/L	88
85)	p-isopropyltoluene	16.60	119	495420	17.12 ug/L	82
86)	1,3-Dichlorobenzene	16.72	146	226616	15.29 ug/L #	85
88)	1,4-Dichlorobenzene	16.89	146	236401	18.11 ug/L #	83
89)	n-butylbenzene	17.24	91	464552	17.50 ug/L	78
90)	1,2-Dichlorobenzene	17.46	146	216777	18.47 ug/L #	82
92)	1,2-Dibromo-3-chloropropan	18.69	75	27912	19.21 ug/L #	75
94)	1,2,4-Trichlorobenzene	20.10	180	169333	20.33 ug/L	100
95)	Hexachlorobutadiene	20.35	225	81978	13.86 ug/L	96
96)	Naphthalene	20.48	128	420502	19.61 ug/L	99
97)	1,2,3-Trichlorobenzene	20.90	180	150655	20.16 ug/L	82
98)	1,3,5-Trichlorobenzene	19.08	180	177207	20.39 ug/L	99

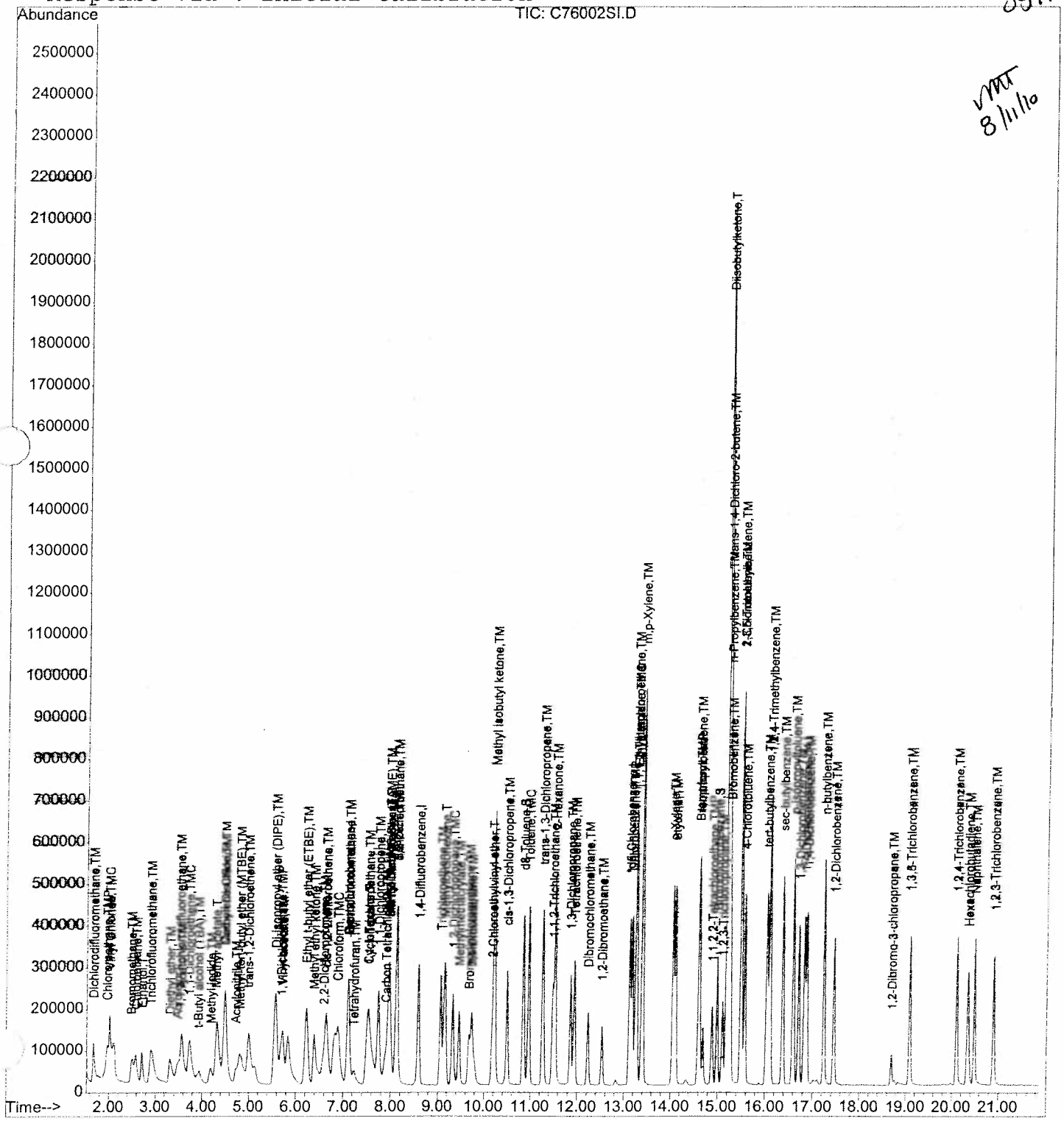
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JR 09.11.10



VMT 8/11/10

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 09.11.10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	187674	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	375824	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.12	117	333454	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.83	152	146646	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	143104	21.10 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.50%		
36) d4-1,2-Dichloroethane	7.98	65	143104	21.09 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 105.45%		
54) d8-Toluene	10.85	98	413920	17.72 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 88.60%		
73) Bromofluorobenzene	14.99	95	154358	15.57 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 77.85%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	338730	44.24 ug/L	98
3) Chloromethane	1.96	50	475697	80.38 ug/L	98
4) Vinyl Chloride	2.01	62	343484	54.77 ug/L	95
5) Bromomethane	2.47	94	299493	51.03 ug/L	99
6) Chloroethane	2.56	64	271547	65.24 ug/L	96
7) t-Butyl alcohol (TBA)	3.92	59	166906	344.41 ug/L	97
8) Trichlorofluoromethane	2.88	101	542416	45.05 ug/L	98
9) Diethyl ether	3.31	74	155473	45.82 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.50	101	283196	43.56 ug/L #	88
11) Acrolein	3.46	56	100263	246.59 ug/L	98
12) Acetone	3.57	43	606261	314.47 ug/L #	83
13) 1,1-Dichloroethene	3.72	96	267194	43.36 ug/L #	85
14) Methyl iodide	4.17	142	255482	36.85 ug/L #	41
15) Di-isopropyl ether (DIPE)	5.56	45	1294608	57.61 ug/L #	85
16) Methylene Chloride	4.49	84	319013	46.60 ug/L #	74
17) Carbon Disulfide	4.46	76	930786	42.16 ug/L	100
18) Acrylonitrile	4.71	53	154932	59.56 ug/L #	91
19) Methyl-tert-butyl ether (M	4.80	73	725076	44.55 ug/L #	89
20) trans-1,2-Dichloroethene	4.98	61	458643	50.79 ug/L	89
21) 1,1-Dichloroethane	5.68	63	560249	49.40 ug/L	94
22) Vinyl acetate	5.72	43	656395	58.11 ug/L #	93
23) Methyl ethyl ketone	6.39	72	161861	273.96 ug/L	91
24) Ethyl t-butyl ether (ETBE)	6.22	59	976286	49.73 ug/L #	82
25) 2,2-Dichloropropane	6.59	77	358883	44.75 ug/L	99
26) cis-1,2-Dichloroethene	6.64	96	328898	44.70 ug/L #	88
27) t-Amyl methyl ether (TAME)	7.96	73	775075	43.06 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 09/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.89	83	525392	38.19 ug/L	100
30)	Bromochloromethane	7.12	128	146622	49.21 ug/L	88
31)	Tetrahydrofuran	7.23	71	38478	57.92 ug/L	78
32)	1,1,1-Trichloroethane	7.50	97	432479	37.78 ug/L	85
33)	Ethanol	2.74	45	289318	3884.30 ug/L #	89
34)	1,1-Dichloropropene	7.73	75	423083	44.27 ug/L	97
35)	Carbon Tetrachloride	7.88	119	290098	47.93 ug/L	98
37)	1,2-Dichloroethane	8.11	62	415458	46.46 ug/L	96
38)	Benzene	8.11	78	1068075	43.19 ug/L	96
40)	Trichloroethene	9.06	95	325201	33.21 ug/L #	39
41)	1,2-Dichloropropane	9.32	63	319304	42.93 ug/L	95
42)	Methylmethacrylate	9.46	69	220443	40.88 ug/L	91
43)	Methyl acetate	4.30	43	433789	49.71 ug/L #	91
44)	Cyclohexane	7.51	56	500904	44.55 ug/L #	72
45)	Bromodichloromethane	9.67	83	376994	33.27 ug/L	98
46)	Dibromomethane	9.73	93	215135	32.97 ug/L #	82
47)	1,4-Dioxane	9.72	88	100866	1086.24 ug/L #	70
48)	Methylcyclohexane	9.15	83	459831	33.64 ug/L #	82
50)	2-Chloroethylvinyl ether	10.17	63	197194	47.54 ug/L	89
51)	2-Hexanone	11.53	58	647909	233.41 ug/L	82
52)	Methyl isobutyl ketone	10.21	58	664766	226.55 ug/L #	66
53)	cis-1,3-Dichloropropene	10.49	75	499466	38.81 ug/L	99
55)	Toluene	10.96	92	692116	36.26 ug/L	88
56)	trans-1,3-Dichloropropene	11.25	75	468226	36.99 ug/L	92
58)	1,1,2-Trichloroethane	11.48	83	231605	35.91 ug/L	96
59)	1,3-Dichloropropane	11.86	76	467390	36.68 ug/L	99
60)	Tetrachloroethene	11.94	166	312040	40.12 ug/L	94
61)	Dibromochloromethane	12.23	129	338923	34.93 ug/L	91
62)	1,2-Dibromoethane	12.53	107	341651	43.08 ug/L	98
64)	Chlorobenzene	13.17	112	789831	45.03 ug/L	90
65)	1,1,1,2-Tetrachloroethane	13.25	131	280599	35.04 ug/L	95
66)	Ethylbenzene	13.27	91	1234082	34.12 ug/L	80
67)	m,p-Xylene	13.39	106	1004057	87.67 ug/L #	54
68)	o-Xylene	14.05	106	486024	43.40 ug/L #	57
69)	Styrene	14.11	104	868770	43.33 ug/L	76
70)	Bromoform	14.59	173	208473	43.42 ug/L	100
71)	Isopropylbenzene	14.62	105	1273409	41.42 ug/L	92
72)	1,1,2,2-Tetrachloroethane	14.88	83	378896	36.68 ug/L	100
74)	1,2,3-Trichloropropane	15.11	75	281459	37.84 ug/L	96
75)	trans-1,4-Dichloro-2-buten	15.23	89	104724	34.02 ug/L #	59
76)	n-Propylbenzene	15.24	91	1485946	34.24 ug/L	85

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	292434	38.61 ug/L #	78
78)	1,3,5-Trimethylbenzene	15.50	105	1017840	40.75 ug/L	81
79)	2-Chlorotoluene	15.50	91	954976	33.83 ug/L	69
80)	4-Chlorotoluene	15.58	91	865678	32.81 ug/L	64
81)	tert-butylbenzene	16.04	119	869196	38.94 ug/L #	73
82)	1,2,4-Trimethylbenzene	16.10	105	1054360	40.22 ug/L	84
83)	Diisobutylketone	15.19	57	3783407	220.10 ug/L #	78
84)	sec-butylbenzene	16.38	105	1404045	42.31 ug/L	87
85)	p-isopropyltoluene	16.60	119	1117917	39.75 ug/L	81
86)	1,3-Dichlorobenzene	16.71	146	522652	36.29 ug/L #	83
88)	1,4-Dichlorobenzene	16.88	146	535565	41.92 ug/L #	84
89)	n-butylbenzene	17.25	91	1049928	40.42 ug/L	75
90)	1,2-Dichlorobenzene	17.45	146	488004	42.48 ug/L #	81
92)	1,2-Dibromo-3-chloropropan	18.70	75	66837	48.37 ug/L #	75
94)	1,2,4-Trichlorobenzene	20.10	180	369710	45.34 ug/L	100
95)	Hexachlorobutadiene	20.34	225	179103	30.94 ug/L	92
96)	Naphthalene	20.49	128	955522	45.53 ug/L	99
97)	1,2,3-Trichlorobenzene	20.89	180	337558	46.16 ug/L	86
98)	1,3,5-Trichlorobenzene	19.09	180	386084	45.38 ug/L	99

(#) = qualifier out of range (m) = manual integration

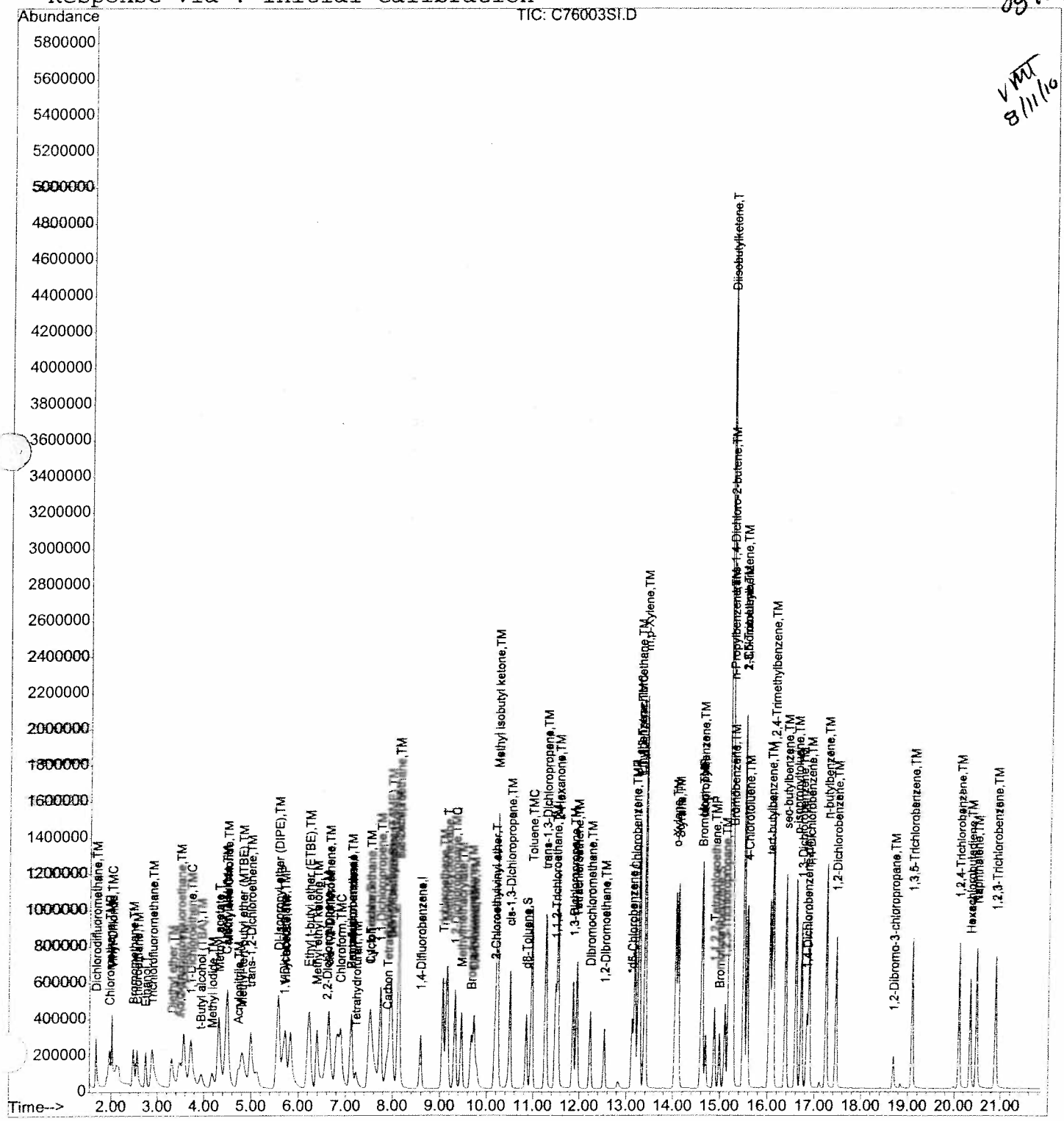
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JK 08-26-10

VMT 8/11/10



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 09.11.10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	212825	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	426996	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.12	117	369802	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	156214	20.00 ug/L	0.00

System Monitoring Compounds

28) DB Holder #28	7.98	65	154362	20.07 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.35%		
36) d4-1,2-Dichloroethane	7.98	65	154362	20.06 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 100.30%		
54) d8-Toluene	10.85	98	464164	17.49 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 87.45%		
73) Bromofluorobenzene	14.99	95	169889	15.46 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 77.30%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.66	85	744670	86.48 ug/L	98
3) Chloromethane	1.97	50	858289	Below Cal	96
4) Vinyl Chloride	2.00	62	724851	101.93 ug/L	96
5) Bromomethane	2.44	94	677893	101.85 ug/L	96
6) Chloroethane	2.54	64	596756	127.05 ug/L	93
7) t-Butyl alcohol (TBA)	3.94	59	345239	628.20 ug/L	98
8) Trichlorofluoromethane	2.87	101	1196061	87.60 ug/L	98
9) Diethyl ether	3.31	74	348546	90.58 ug/L	97
10) 1,1,2-Trichlorotrifluoroet	3.48	101	640255	86.84 ug/L #	84
11) Acrolein	3.45	56	224958	491.85 ug/L	99
12) Acetone	3.57	43	1333205	614.03 ug/L #	81
13) 1,1-Dichloroethene	3.71	96	602436	86.21 ug/L	86
14) Methyl iodide	4.16	142	485298m	61.73 ug/L	
15) Di-isopropyl ether (DIPE)	5.57	45	2998389	117.66 ug/L #	85
16) Methylene Chloride	4.48	84	715487	93.21 ug/L #	74
17) Carbon Disulfide	4.45	76	2140120	85.48 ug/L	100
18) Acrylonitrile	4.72	53	338216	114.66 ug/L #	93
19) Methyl-tert-butyl ether (M	4.81	73	1589082	86.10 ug/L #	90
20) trans-1,2-Dichloroethene	4.98	61	1026754	100.27 ug/L	88
21) 1,1-Dichloroethane	5.68	63	1252355	97.38 ug/L	93
22) Vinyl acetate	5.72	43	1482908	115.77 ug/L #	93
23) Methyl ethyl ketone	6.39	72	352632	532.62 ug/L	93
24) Ethyl t-butyl ether (ETBE)	6.22	59	2239819	100.62 ug/L #	81
25) 2,2-Dichloropropane	6.58	77	822225	90.40 ug/L	100
26) cis-1,2-Dichloroethene	6.63	96	734785	88.07 ug/L #	86
27) t-Amyl methyl ether (TAME)	7.96	73	1781551	87.28 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08-11-10 VMT 8/11/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.89	83	1184844	75.95 ug/L	98
30) Bromochloromethane	7.12	128	328918	99.01 ug/L	87
31) Tetrahydrofuran	7.22	71	82514	110.14 ug/L	76
32) 1,1,1-Trichloroethane	7.50	97	955072	73.58 ug/L #	81
33) Ethanol	2.77	45	629497	7495.00 ug/L #	89
34) 1,1-Dichloropropene	7.74	75	933795	86.15 ug/L	96
35) Carbon Tetrachloride	7.89	119	659340	96.07 ug/L	94
37) 1,2-Dichloroethane	8.11	62	914385	90.16 ug/L	97
38) Benzene	8.12	78	2457114	87.62 ug/L	97
40) Trichloroethene	9.06	95	725845	65.23 ug/L #	44
41) 1,2-Dichloropropane	9.33	63	692492	81.95 ug/L	96
42) Methylmethacrylate	9.46	69	490207	80.00 ug/L	94
43) Methyl acetate	4.30	43	949215	95.74 ug/L #	91
44) Cyclohexane	7.52	56	1098026	85.96 ug/L #	75
45) Bromodichloromethane	9.67	83	831520	64.58 ug/L	99
46) Dibromomethane	9.73	93	439426	59.27 ug/L #	77
47) 1,4-Dioxane	9.72	88	212408	2047.87 ug/L #	69
48) Methylcyclohexane	9.15	83	1059063	68.19 ug/L #	82
50) 2-Chloroethylvinyl ether	10.17	63	359177	76.22 ug/L	89
51) 2-Hexanone	11.53	58	1417719	449.52 ug/L	81
52) Methyl isobutyl ketone	10.22	58	1473777	442.07 ug/L #	65
53) cis-1,3-Dichloropropene	10.50	75	1063735	72.75 ug/L	96
55) Toluene	10.96	92	1552920	71.61 ug/L	88
56) trans-1,3-Dichloropropene	11.26	75	1064707	74.03 ug/L	87
58) 1,1,2-Trichloroethane	11.48	83	516176	70.44 ug/L	95
59) 1,3-Dichloropropane	11.86	76	1050711	72.57 ug/L	98
60) Tetrachloroethene	11.94	166	709610	80.29 ug/L	94
61) Dibromochloromethane	12.23	129	754363	68.42 ug/L	94
62) 1,2-Dibromoethane	12.53	107	752419	83.50 ug/L	95
64) Chlorobenzene	13.17	112	1785746	91.80 ug/L	90
65) 1,1,1,2-Tetrachloroethane	13.25	131	636774	71.70 ug/L	95
66) Ethylbenzene	13.27	91	2752410	68.61 ug/L	81
67) m,p-Xylene	13.40	106	2225160	175.19 ug/L #	53
68) o-Xylene	14.06	106	1079329	86.91 ug/L #	54
69) Styrene	14.11	104	1920464	86.38 ug/L	77
70) Bromoform	14.59	173	475480	89.30 ug/L	98
71) Isopropylbenzene	14.62	105	2812981	82.51 ug/L	92
72) 1,1,2,2-Tetrachloroethane	14.89	83	805241	70.29 ug/L	99
74) 1,2,3-Trichloropropane	15.10	75	602977	73.10 ug/L	97
75) trans-1,4-Dichloro-2-buten	15.23	89	229354	67.18 ug/L #	56
76) n-Propylbenzene	15.24	91	3236625	67.24 ug/L	85

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	643573	76.62 ug/L #	80
78)	1,3,5-Trimethylbenzene	15.50	105	2243493	80.99 ug/L	84
79)	2-Chlorotoluene	15.50	91	2083913	66.57 ug/L	72
80)	4-Chlorotoluene	15.58	91	1919050	65.58 ug/L	67
81)	tert-butylbenzene	16.04	119	1885462	76.16 ug/L #	74
82)	1,2,4-Trimethylbenzene	16.10	105	2310552	79.48 ug/L	84
83)	Diisobutylketone	15.20	57	7973897	418.29 ug/L #	78
84)	sec-butylbenzene	16.38	105	3053691	82.98 ug/L	87
85)	p-isopropyltoluene	16.60	119	2438447	78.18 ug/L	82
86)	1,3-Dichlorobenzene	16.71	146	1130622	70.79 ug/L #	84
88)	1,4-Dichlorobenzene	16.88	146	1162647	85.43 ug/L #	82
89)	n-butylbenzene	17.24	91	2284447	82.57 ug/L	77
90)	1,2-Dichlorobenzene	17.45	146	1042261	85.18 ug/L #	83
92)	1,2-Dibromo-3-chloropropan	18.69	75	138390	94.92 ug/L #	73
94)	1,2,4-Trichlorobenzene	20.10	180	758428	87.32 ug/L	96
95)	Hexachlorobutadiene	20.35	225	382324	62.01 ug/L	90
96)	Naphthalene	20.49	128	1865510	83.44 ug/L	99
97)	1,2,3-Trichlorobenzene	20.89	180	657645	84.42 ug/L	84
98)	1,3,5-Trichlorobenzene	19.09	180	824393	90.97 ug/L	97

(#) = qualifier out of range (m) = manual integration

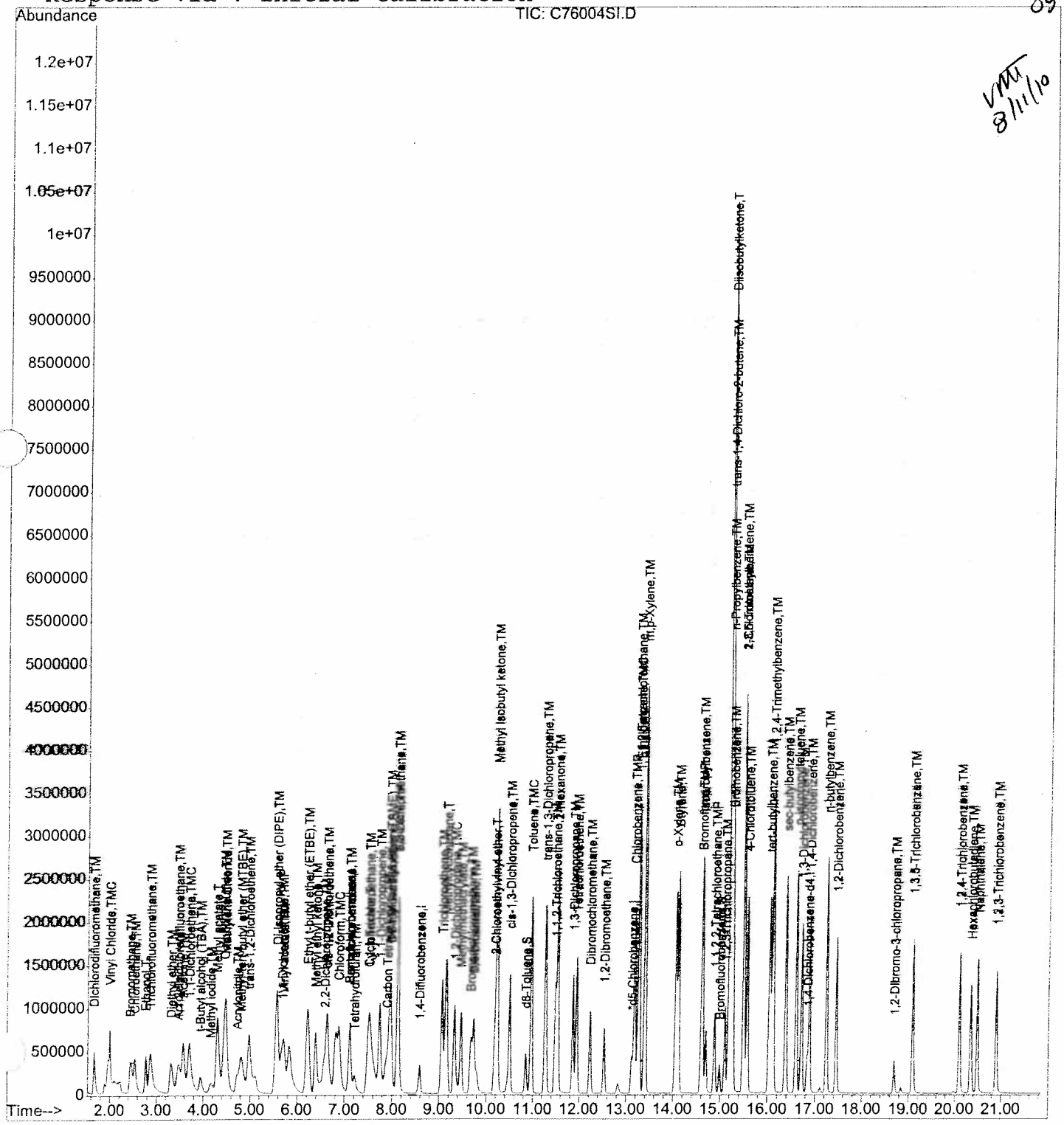
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JK 09/11/10

VMT 8/11/10



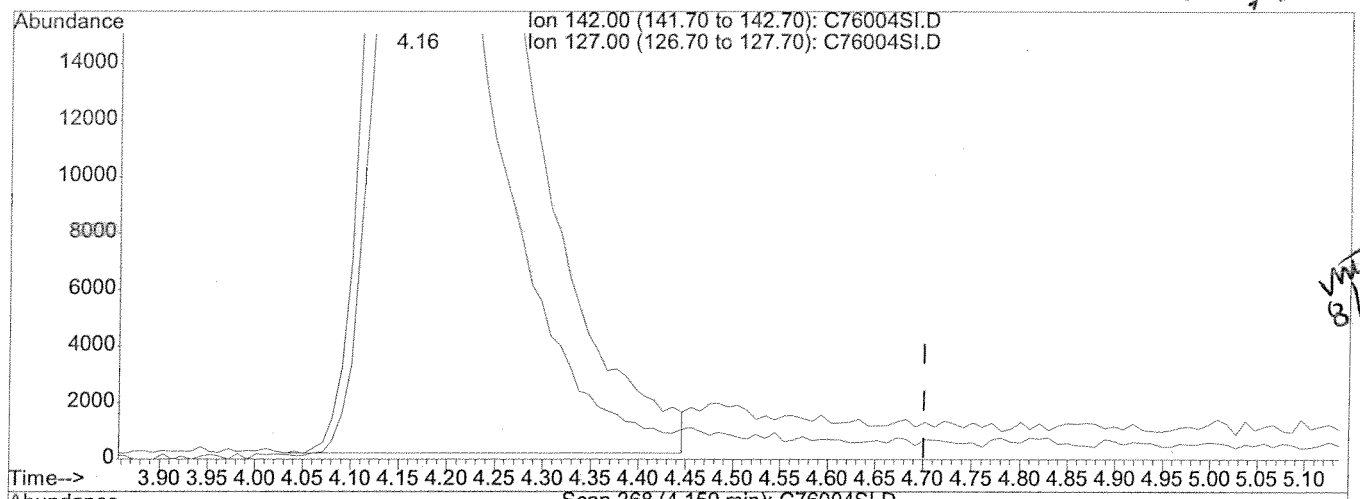
Quantitation Report (Qedit)

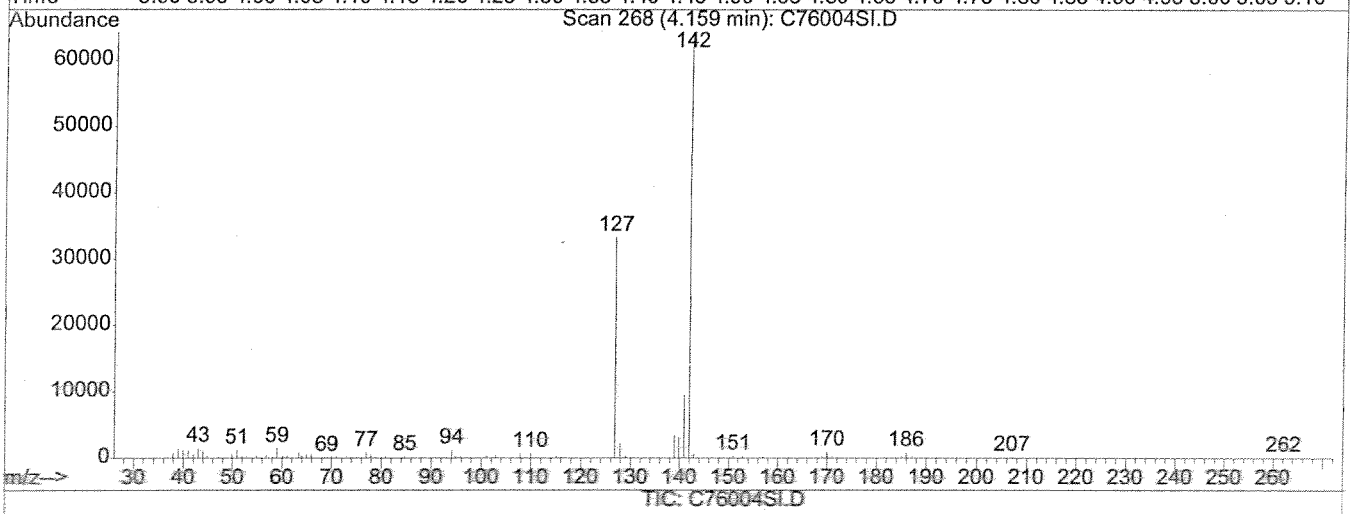
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:35 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 15:37:45 2010
Response via : Multiple Level Calibration

JK 08-11-10 *Tailing *Point NOT USED IN TH CURVE

VMT 8/11/10





(14) Methyl iodide (TM)

4.16min 59.39ug/L

response 466895

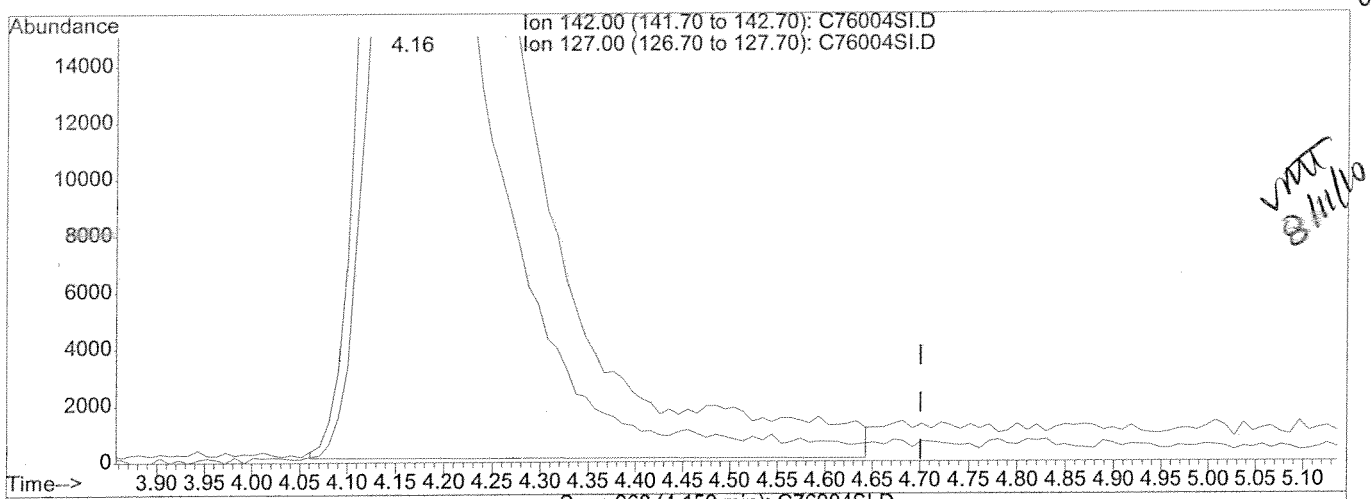
Ion	Exp%	Act%
142.00	100	100
127.00	114.00	50.30#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

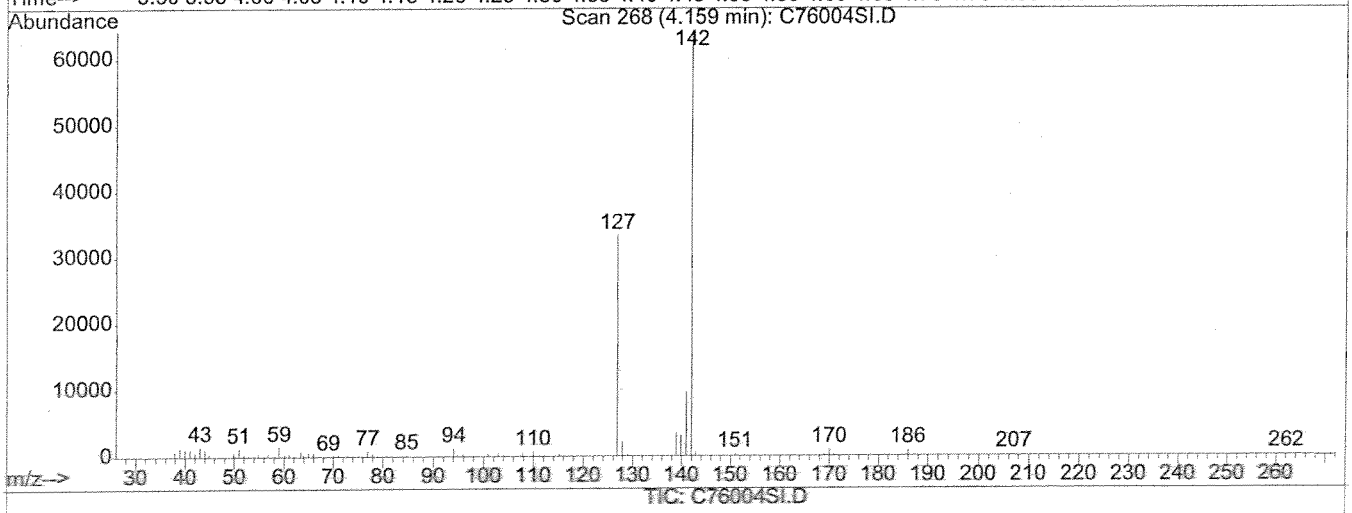
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 15:37:45 2010
Response via : Multiple Level Calibration

JR 08/11/10



VMT 8/11/10



(14) Methyl iodide (TM)

4.16min 61.73ug/L m

response 485298

Ion	Exp%	Act%
142.00	100	100
127.00	114.00	48.39#
0.00	0.00	0.00
0.00	0.00	0.00

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

VL
08.11.10

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	80	120	15	0.0	18	89		17	87		2	
Chloromethane	20	80	120	15	0.0	19	95		20	99		5	
Vinyl Chloride	20	80	120	15	0.0	19	95		19	94		1	
Bromomethane	20	80	120	15	0.0	20	100		21	103		3	
Chloroethane	20	80	120	15	0.0	17	84		19	95		12	
t-Butyl alcohol (TBA)	100	80	120	15	0.0	99	99		85	85		16	*
Trichlorofluoromethane	20	80	120	15	0.0	17	87		17	86		1	
Diethyl ether	20	80	120	15	0.0	20	102		21	106		4	
1,1,2-Trichlorotrifluoroethane	20	80	120	15	0.0	16	80		17	84		5	
Acetone	100	80	120	15	0.0	113	113		103	103		9	
1,1-Dichloroethene	20	80	120	15	0.0	18	91		17	85		6	
Methyl iodide	20	80	120	15	0.0	19	96		20	102		6	
Di-isopropyl ether (DIPE)	20	80	120	15	0.0	19	94		19	97		3	
Methylene Chloride	20	80	120	15	0.0	23	117		20	102		13	
Carbon Disulfide	20	80	120	15	0.0	19	94		19	97		4	
Acrylonitrile	20	80	120	15	0.0	22	109		21	105		4	
Methyl-tert-butyl ether (MTBE)	40	80	120	15	0.0	47	119		47	117		2	
trans-1,2-Dichloroethene	20	80	120	15	0.0	18	91		18	92		2	
1,1-Dichloroethane	20	80	120	15	0.0	19	95		19	96		2	
Vinyl acetate	20	80	120	15	0.0	15	74	*	15	76	*	3	
Methyl ethyl ketone	100	80	120	15	0.0	109	109		100	100		9	
Ethyl t-butyl ether (ETBE)	20	80	120	15	0.0	20	98		20	98		0	
2,2-Dichloropropane	20	80	120	15	0.0	18	92		17	87		5	
cis-1,2-Dichloroethene	20	80	120	15	0.0	19	96		19	96		0	
t-Amyl methyl ether (TAME)	20	80	120	15	0.0	20	98		19	95		3	
Chloroform	20	80	120	15	0.0	18	92		19	93		1	
Bromochloromethane	20	80	120	15	0.0	21	103		20	99		4	
Tetrahydrofuran	20	80	120	15	0.0	23	113		21	105		7	
1,1,1-Trichloroethane	20	80	120	15	0.0	19	97		19	97		0	
1,1-Dichloropropene	20	80	120	15	0.0	18	91		19	93		2	
Carbon Tetrachloride	20	80	120	15	0.0	23	114		22	108		6	
1,2-Dichloroethane	20	80	120	15	0.0	20	98		20	100		1	
Benzene	20	80	120	15	0.0	18	89		19	93		4	
Trichloroethene	20	80	120	15	0.0	20	98		19	97		1	
1,2-Dichloropropane	20	80	120	15	0.0	19	97		20	99		2	
Methylmethacrylate	20	80	120	15	0.0	21	105		19	95		11	
Bromodichloromethane	20	80	120	15	0.0	21	104		20	98		6	
Dibromomethane	20	80	120	15	0.0	21	107		19	97		9	
1,4-Dioxane	500	80	120	15	0.0	527	105		458	92		14	
2-Hexanone	100	80	120	15	0.0	113	113		105	105		8	
Methyl isobutyl ketone	100	80	120	15	0.0	111	111		104	104		6	
cis-1,3-Dichloropropene	20	80	120	15	0.0	21	103		20	99		3	
Toluene	20	80	120	15	0.0	19	97		20	98		1	
trans-1,3-Dichloropropene	20	80	120	15	0.0	18	91		17	87		4	
1,1,2-Trichloroethane	20	80	120	15	0.0	21	105		20	101		4	
1,3-Dichloropropane	20	80	120	15	0.0	19	96		19	95		2	
Tetrachloroethene	20	80	120	15	0.0	22	110		22	111		1	
Dibromochloromethane	20	80	120	15	0.0	19	95		19	96		1	
1,2-Dibromoethane	20	80	120	15	0.0	20	98		19	95		3	

JO12/11

VOA FORM 3

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

OK
08.11.1.

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Chlorobenzene	20	80	120	15	0.0	18	92		19	94		2	
1,1,1,2-Tetrachloroethane	20	80	120	15	0.0	19	95		19	96		1	
Ethylbenzene	20	80	120	15	0.0	19	93		19	95		2	
m,p-Xylene	40	80	120	15	0.0	37	92		38	95		3	
o-Xylene	20	80	120	15	0.0	19	93		19	95		2	
Styrene	20	80	120	15	0.0	19	95		19	96		1	
Bromoform	20	80	120	15	0.0	19	97		20	99		2	
Isopropylbenzene	20	80	120	15	0.0	16	82		17	83		2	
1,1,2,2-Tetrachloroethane	20	80	120	15	0.0	19	97		19	96		0	
1,2,3-Trichloropropane	20	80	120	15	0.0	21	105		21	103		2	
trans-1,4-Dichloro-2-butene	20	80	120	15	0.0	20	100		20	99		1	
n-Propylbenzene	20	80	120	15	0.0	18	92		19	93		1	
Bromobenzene	20	80	120	15	0.0	19	94		19	97		3	
1,3,5-Trimethylbenzene	20	80	120	15	0.0	19	95		20	98		3	
2-Chlorotoluene	20	80	120	15	0.0	20	98		20	99		1	
4-Chlorotoluene	20	80	120	15	0.0	19	95		19	97		2	
tert-butylbenzene	20	80	120	15	0.0	18	92		19	95		3	
1,2,4-Trimethylbenzene	20	80	120	15	0.0	18	90		19	93		3	
sec-butylbenzene	20	80	120	15	0.0	18	91		19	96		5	
p-isopropyltoluene	20	80	120	15	0.0	18	88		18	91		4	
1,3-Dichlorobenzene	20	80	120	15	0.0	19	93		19	95		2	
1,4-Dichlorobenzene	20	80	120	15	0.0	18	92		19	94		3	
n-butylbenzene	20	80	120	15	0.0	18	91		19	97		7	
1,2-Dichlorobenzene	20	80	120	15	0.0	19	93		20	98		5	
1,2-Dibromo-3-chloropropane	20	80	120	15	0.0	22	108		21	104		4	
1,2,4-Trichlorobenzene	20	80	120	15	0.0	18	91		19	95		4	
Hexachlorobutadiene	20	80	120	15	0.0	18	91		19	97		6	
Naphthalene	20	80	120	15	0.0	21	104		21	104		0	
1,2,3-Trichlorobenzene	20	80	120	15	0.0	20	98		20	102		3	
1,3,5-Trichlorobenzene	20	80	120	15	0.0	18	91		19	97		6	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

381210

VOA FORM 3

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 0811-12 JMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	136751	20.00 ug/L	-0.02
39) 1,4-Difluorobenzene	8.59	114	264160	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	237302	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	105646	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.97	65	102649	19.76 ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.80%		
36) d4-1,2-Dichloroethane	7.97	65	102649	19.74 ug/L	-0.02
Spiked Amount 20.000	Range 70 - 120		Recovery = 98.70%		
54) d8-Toluene	10.85	98	299585	20.57 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 102.85%		
73) Bromofluorobenzene	14.99	95	114916	20.58 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 102.90%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.67	85	91800	17.73 ug/L	98
3) Chloromethane	1.94	50	131402	18.92 ug/L	95
4) Vinyl Chloride	2.02	62	99663	19.03 ug/L	97
5) Bromomethane	2.48	94	83971	19.96 ug/L	98
6) Chloroethane	2.57	64	66943	16.90 ug/L	91
7) t-Butyl alcohol (TBA)	3.91	59	48856	99.14 ug/L	97
8) Trichlorofluoromethane	2.89	101	139999	17.42 ug/L	100
9) Diethyl ether	3.30	74	44001	20.40 ug/L	94
10) 1,1,2-Trichlorotrifluoroet	3.50	101	71276	16.04 ug/L #	89
11) Acrolein	3.45	56	36680	126.57 ug/L	99
12) Acetone	3.56	43	199012	112.72 ug/L #	80
13) 1,1-Dichloroethene	3.72	96	74893	18.12 ug/L	83
14) Methyl iodide	4.17	142	72677	19.26 ug/L #	42
15) Di-isopropyl ether (DIPE)	5.57	45	380180	18.74 ug/L #	86
16) Methylene Chloride	4.49	84	109913	23.32 ug/L #	69
17) Carbon Disulfide	4.46	76	261470	18.71 ug/L	98
18) Acrylonitrile	4.72	53	48244	21.88 ug/L	97
19) Methyl-tert-butyl ether (M	4.80	73	453158	47.41 ug/L #	85
20) trans-1,2-Dichloroethene	4.98	61	127600	18.14 ug/L	88
21) 1,1-Dichloroethane	5.67	63	155377	18.96 ug/L	92
22) Vinyl acetate	5.72	43	126273	14.75 ug/L #	93
23) Methyl ethyl ketone	6.38	72	53462	109.15 ug/L	93
24) Ethyl t-butyl ether (ETBE)	6.22	59	291594	19.60 ug/L #	82
25) 2,2-Dichloropropane	6.58	77	97123	18.32 ug/L	95
26) cis-1,2-Dichloroethene	6.63	96	97058	19.25 ug/L	89
27) t-Amyl methyl ether (TAME)	7.96	73	238606	19.51 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.10 JMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.89	83	153097	18.48 ug/L	99
30)	Bromochloromethane	7.12	128	44654	20.54 ug/L	89
31)	Tetrahydrofuran	7.22	71	12798	22.52 ug/L	86
32)	1,1,1-Trichloroethane	7.51	97	125501	19.43 ug/L	78
33)	Ethanol	2.71	45	92620	1052.53 ug/L #	91
34)	1,1-Dichloropropene	7.73	75	117555	18.16 ug/L	95
35)	Carbon Tetrachloride	7.88	119	88123	22.88 ug/L	98
37)	1,2-Dichloroethane	8.12	62	121712	19.64 ug/L	97
38)	Benzene	8.12	78	300370	17.86 ug/L	97
40)	Trichloroethene	9.06	95	91928	19.68 ug/L #	44
41)	1,2-Dichloropropane	9.32	63	89357	19.38 ug/L	96
42)	Methylmethacrylate	9.46	69	70235	21.07 ug/L	91
43)	Methyl acetate	4.29	43	60471	9.48 ug/L #	88
44)	Cyclohexane	7.54	56	182353	24.16 ug/L #	36
45)	Bromodichloromethane	9.67	83	112187	20.89 ug/L	97
46)	Dibromomethane	9.73	93	63735	21.31 ug/L #	77
47)	1,4-Dioxane	9.73	88	30232	526.97 ug/L #	66
48)	Methylcyclohexane	9.07	83	1631	0.24 ug/L #	1
50)	2-Chloroethylvinyl ether	10.17	63	180	0.07 ug/L #	42
51)	2-Hexanone	11.53	58	216411	113.35 ug/L	80
52)	Methyl isobutyl ketone	10.22	58	216322	110.55 ug/L #	66
53)	cis-1,3-Dichloropropene	10.50	75	145632	20.52 ug/L	96
55)	Toluene	10.97	92	198268	19.43 ug/L	86
56)	trans-1,3-Dichloropropene	11.25	75	120899	18.12 ug/L	85
58)	1,1,2-Trichloroethane	11.48	83	69335	20.99 ug/L	95
59)	1,3-Dichloropropane	11.86	76	138195	19.24 ug/L	99
60)	Tetrachloroethene	11.94	166	107533	22.04 ug/L	91
61)	Dibromochloromethane	12.23	129	93284	19.00 ug/L	92
62)	1,2-Dibromoethane	12.54	107	99215	19.52 ug/L	99
64)	Chlorobenzene	13.18	112	226122	18.32 ug/L	89
65)	1,1,1,2-Tetrachloroethane	13.25	131	81084	19.00 ug/L	97
66)	Ethylbenzene	13.28	91	359021	18.60 ug/L	83
67)	m,p-Xylene	13.39	106	291020	36.96 ug/L #	54
68)	o-Xylene	14.06	106	141321	18.59 ug/L #	58
69)	Styrene	14.11	104	253350	19.05 ug/L	78
70)	Bromoform	14.60	173	57050	19.37 ug/L	99
71)	Isopropylbenzene	14.62	105	323095	16.32 ug/L	91
72)	1,1,2,2-Tetrachloroethane	14.88	83	113055	19.31 ug/L	100
74)	1,2,3-Trichloropropane	15.10	75	84448	21.02 ug/L	92
75)	trans-1,4-Dichloro-2-buten	15.24	89	30358	20.03 ug/L #	75
76)	n-Propylbenzene	15.24	91	427810	18.36 ug/L	86

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08-11-10
VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.28	156	83937	18.85 ug/L #	77
78)	1,3,5-Trimethylbenzene	15.49	105	295414	19.07 ug/L	84
79)	2-Chlorotoluene	15.49	91	278347	19.66 ug/L	74
80)	4-Chlorotoluene	15.57	91	253349	18.93 ug/L	70
81)	tert-butylbenzene	16.04	119	252775	18.39 ug/L #	75
82)	1,2,4-Trimethylbenzene	16.11	105	298298	17.97 ug/L	82
83)	Diisobutylketone	15.24	57	5612	0.48 ug/L #	1
84)	sec-butylbenzene	16.38	105	398842	18.19 ug/L	87
85)	p-isopropyltoluene	16.60	119	307534	17.52 ug/L	82
86)	1,3-Dichlorobenzene	16.72	146	150087	18.51 ug/L #	81
88)	1,4-Dichlorobenzene	16.89	146	155562	18.32 ug/L #	81
89)	n-butylbenzene	17.24	91	301048	18.21 ug/L	79
90)	1,2-Dichlorobenzene	17.46	146	142349	18.67 ug/L #	84
92)	1,2-Dibromo-3-chloropropan	18.69	75	20994	21.66 ug/L	91
94)	1,2,4-Trichlorobenzene	20.10	180	106129	18.24 ug/L	99
95)	Hexachlorobutadiene	20.35	225	52609	18.21 ug/L	94
96)	Naphthalene	20.48	128	293886	20.80 ug/L	98
97)	1,2,3-Trichlorobenzene	20.90	180	101591	19.69 ug/L	86
98)	1,3,5-Trichlorobenzene	19.09	180	112789	18.28 ug/L	94

(#) = qualifier out of range (m) = manual integration

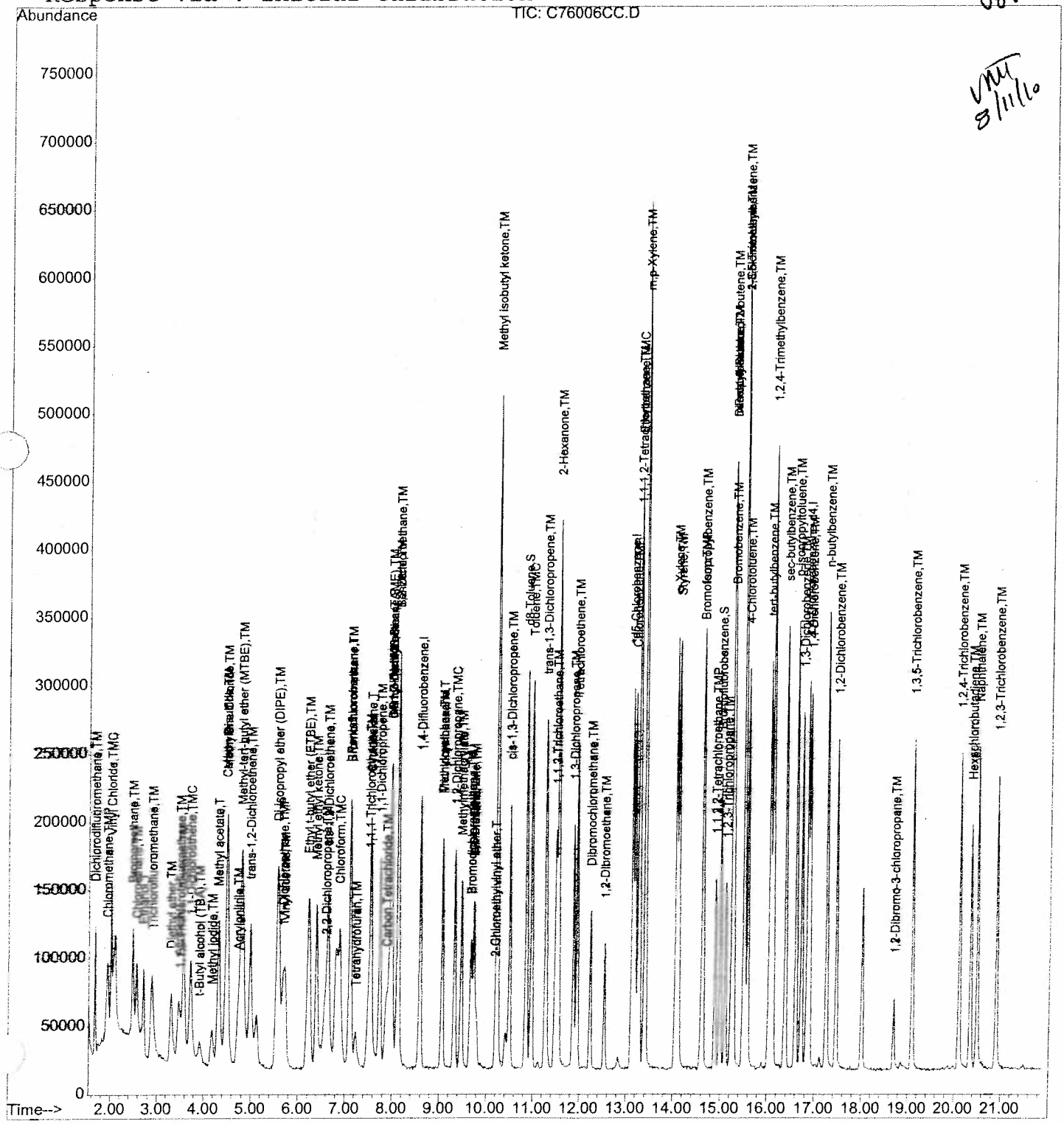
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JL 08/11/10

VMH 8/11/10



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08.11.10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	197193	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.59	114	389939	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	341660	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	149620	20.00	ug/L	0.00

MW 8/11/10

System Monitoring Compounds						
28) DB Holder #28	7.99	65	151441	20.22	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.10%			
36) d4-1,2-Dichloroethane	7.99	65	152282	20.31	ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 101.55%			
54) d8-Toluene	10.85	98	428903	19.95	ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 99.75%			
73) Bromofluorobenzene	14.99	95	160730	19.99	ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 99.95%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.68	85	130365	17.46	ug/L	97
3) Chloromethane	1.99	50	198474	19.82	ug/L	94
4) Vinyl Chloride	2.01	62	142231	18.84	ug/L	93
5) Bromomethane	2.50	94	125213	20.61	ug/L	94
6) Chloroethane	2.59	64	109072	19.09	ug/L	95
7) t-Butyl alcohol (TBA)	3.93	59	60289	84.84	ug/L #	89
8) Trichlorofluoromethane	2.92	101	200435	17.30	ug/L	100
9) Diethyl ether	3.33	74	65877	21.18	ug/L	96
10) 1,1,2-Trichlorotrifluoroet	3.55	101	107703	16.81	ug/L #	84
11) Acrolein	3.47	56	57305	137.15	ug/L	96
12) Acetone	3.57	43	263135	103.06	ug/L #	80
13) 1,1-Dichloroethene	3.74	96	101215	16.98	ug/L	86
14) Methyl iodide	4.18	142	111238	20.43	ug/L #	39
15) Di-isopropyl ether (DIPE)	5.56	45	565048	19.31	ug/L #	85
16) Methylene Chloride	4.51	84	139517	20.44	ug/L #	76
17) Carbon Disulfide	4.48	76	392640	19.48	ug/L	100
18) Acrylonitrile	4.73	53	66978	21.06	ug/L	91
19) Methyl-tert-butyl ether (M	4.83	73	643094	46.66	ug/L #	89
20) trans-1,2-Dichloroethene	5.00	61	186807	18.41	ug/L	89
21) 1,1-Dichloroethane	5.69	63	227671	19.27	ug/L	94
22) Vinyl acetate	5.73	43	186972	15.15	ug/L #	93
23) Methyl ethyl ketone	6.39	72	70554	99.90	ug/L	94
24) Ethyl t-butyl ether (ETBE)	6.22	59	421528	19.64	ug/L #	81
25) 2,2-Dichloropropane	6.60	77	132637	17.35	ug/L	91
26) cis-1,2-Dichloroethene	6.65	96	140205	19.28	ug/L	88
27) t-Amyl methyl ether (TAME)	7.96	73	333496	18.91	ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08.11.1' VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	222899	18.66 ug/L	99
30)	Bromochloromethane	7.13	128	62048	19.77 ug/L	91
31)	Tetrahydrofuran	7.24	71	17290	20.98 ug/L	90
32)	1,1,1-Trichloroethane	7.52	97	181370	19.47 ug/L #	80
33)	Ethanol	2.71	45	116853	920.89 ug/L #	90
34)	1,1-Dichloropropene	7.74	75	173690	18.60 ug/L	97
35)	Carbon Tetrachloride	7.89	119	119538	21.52 ug/L	98
37)	1,2-Dichloroethane	8.13	62	177954	19.91 ug/L	93
38)	Benzene	8.13	78	451433	18.61 ug/L	95
40)	Trichloroethene	9.07	95	134216	19.46 ug/L #	43
41)	1,2-Dichloropropane	9.33	63	134877	19.81 ug/L	96
42)	Methylmethacrylate	9.46	69	93118	18.92 ug/L	90
43)	Methyl acetate	4.31	43	65209	6.70 ug/L #	91
44)	Cyclohexane	7.56	56	263250	23.62 ug/L #	38
45)	Bromodichloromethane	9.68	83	156117	19.70 ug/L	95
46)	Dibromomethane	9.74	93	86599	19.45 ug/L #	75
47)	1,4-Dioxane	9.73	88	38812	458.31 ug/L #	68
48)	Methylcyclohexane	9.15	83	690	0.07 ug/L #	85
50)	2-Chloroethylvinyl ether	10.14	63	391	0.10 ug/L #	42
51)	2-Hexanone	11.53	58	294925	104.65 ug/L	80
52)	Methyl isobutyl ketone	10.22	58	300492	104.03 ug/L #	65
53)	cis-1,3-Dichloropropene	10.50	75	208082	19.86 ug/L	98
55)	Toluene	10.97	92	296443	19.68 ug/L	86
56)	trans-1,3-Dichloropropene	11.25	75	171243	17.39 ug/L	89
58)	1,1,2-Trichloroethane	11.48	83	98459	20.19 ug/L	97
59)	1,3-Dichloropropane	11.87	76	200366	18.90 ug/L	98
60)	Tetrachloroethene	11.94	166	159636	22.17 ug/L	93
61)	Dibromochloromethane	12.23	129	139108	19.19 ug/L	96
62)	1,2-Dibromoethane	12.54	107	142375	18.98 ug/L	95
64)	Chlorobenzene	13.18	112	333051	18.75 ug/L	90
65)	1,1,1,2-Tetrachloroethane	13.26	131	118088	19.22 ug/L	93
66)	Ethylbenzene	13.28	91	526355	18.94 ug/L	79
67)	m,p-Xylene	13.39	106	431975	38.11 ug/L #	53
68)	o-Xylene	14.05	106	208135	19.02 ug/L #	55
69)	Styrene	14.11	104	368122	19.22 ug/L	76
70)	Bromoform	14.60	173	84161	19.83 ug/L	95
71)	Isopropylbenzene	14.62	105	475642	16.68 ug/L	93
72)	1,1,2,2-Tetrachloroethane	14.88	83	162053	19.22 ug/L	96
74)	1,2,3-Trichloropropane	15.10	75	118967	20.55 ug/L	99
75)	trans-1,4-Dichloro-2-buten	15.24	89	43102	19.75 ug/L #	71
76)	n-Propylbenzene	15.24	91	623627	18.59 ug/L	85

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.28	156	125033	19.50 ug/L #	74
78)	1,3,5-Trimethylbenzene	15.49	105	436486	19.57 ug/L	82
79)	2-Chlorotoluene	15.49	91	404037	19.82 ug/L	73
80)	4-Chlorotoluene	15.57	91	372795	19.35 ug/L	70
81)	tert-butylbenzene	16.05	119	374429	18.92 ug/L #	72
82)	1,2,4-Trimethylbenzene	16.11	105	443759	18.57 ug/L	82
83)	Diisobutylketone	15.25	57	5050	0.30 ug/L #	1
84)	sec-butylbenzene	16.38	105	603169	19.10 ug/L	86
85)	p-isopropyltoluene	16.60	119	458933	18.16 ug/L	82
86)	1,3-Dichlorobenzene	16.72	146	221551	18.98 ug/L #	83
88)	1,4-Dichlorobenzene	16.88	146	226345	18.83 ug/L #	83
89)	n-butylbenzene	17.25	91	455145	19.43 ug/L	76
90)	1,2-Dichlorobenzene	17.46	146	212729	19.70 ug/L #	80
92)	1,2-Dibromo-3-chloropropan	18.70	75	28588	20.79 ug/L #	64
94)	1,2,4-Trichlorobenzene	20.10	180	157187	19.07 ug/L	96
95)	Hexachlorobutadiene	20.35	225	79511	19.44 ug/L	90
96)	Naphthalene	20.48	128	415414	20.76 ug/L	99
97)	1,2,3-Trichlorobenzene	20.90	180	148744	20.36 ug/L	83
98)	1,3,5-Trichlorobenzene	19.09	180	169692	19.42 ug/L	98

(#) = qualifier out of range (m) = manual integration

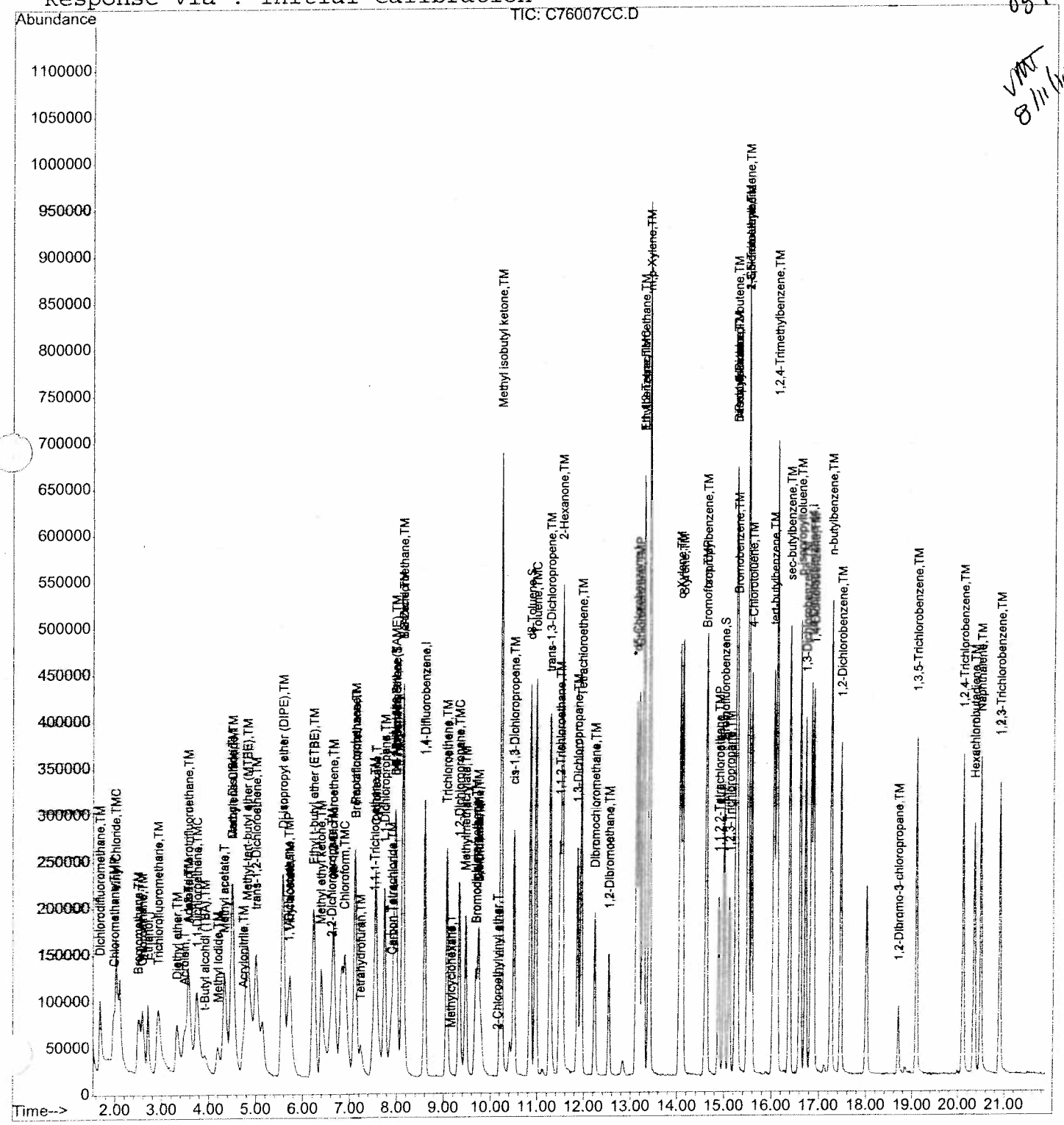
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JL 08-11-10

VMT 8/11/10



Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrato
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010 MT 9/14/10
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓105	0.01
2	TM	Dichlorodifluoromethane	0.757	0.748	1.2	108	0.00
3	TMP	Chloromethane	1.195	0.967 ✓	19.1	103	0.01
4	TMC	Vinyl Chloride	0.766	0.690	✓9.9	101	0.00
5	TM	Bromomethane	0.522	0.573	-9.8	104	0.02
6	TM	Chloroethane	0.579	0.533	7.9	101	0.01
7	TM	t-Butyl alcohol (TBA)	0.072	0.049#	31.9#	83	0.01
8	TM	Trichlorofluoromethane	1.175	1.088	7.4	98	0.01
9	TM	Diethyl ether	0.315	0.313	0.6	93	0.01
10	TM	1,1,2-Trichlorotrifluoroeth	0.650	0.644	0.9	106	0.01
11	T	Acrolein	0.047	0.048#	-2.1	120	0.02
12	TM	Acetone	0.315	0.228 Lin 88%	~~27.6#~~	89	0.01
13	TMC	1,1-Dichloroethene	0.604	0.590	✓2.3	105	0.02
14	TM	Methyl iodide	0.481	0.772 Lin 159%	~~-60.5#~~	130	0.02
15	TM	Di-isopropyl ether (DIPE)	2.967	2.807	5.4	103	0.01
16	TM	Methylene Chloride	0.829	0.721	13.0	109	0.01
17	TM	Carbon Disulfide	2.044	2.065	-1.0	103	0.01
18	TM	Acrylonitrile	0.323	0.282	12.7	90	0.01
19	TM	Methyl-tert-butyl ether (MT	1.398	1.559	-11.5	108	0.03
20	TM	trans-1,2-Dichloroethene	1.029	0.973	5.4	101	0.01
21	TMP	1,1-Dichloroethane	1.344	1.180 ✓	12.2	101	0.01
22	TM	Vinyl acetate	1.252	1.557 124%	-24.4#	125	0.01
23	TM	Methyl ethyl ketone	0.072	0.064#	11.1	95	0.01
24	TM	Ethyl t-butyl ether (ETBE)	2.176	2.093	3.8	102	0.01
25	TM	2,2-Dichloropropane	0.775	0.793	-2.3	112	0.02
26	TM	cis-1,2-Dichloroethene	0.737	0.710	3.7	100	0.02
27	TM	t-Amyl methyl ether (TAME)	1.789	1.652	7.7	102	0.00
28	S	DB Holder #28	0.760	0.713	6.2	95	0.01
29	TMC	Chloroform	1.211	1.151	✓5.0	102	0.01
30	TM	Bromochloromethane	0.396	0.346	12.6	110	0.00
31	TM	Tetrahydrofuran	0.103	0.077# Lin 91%	~~25.2#~~	95	0.02
32	TM	1,1,1-Trichloroethane	0.945	0.939	0.6	102	0.01
33	T	Ethanol	0.013	0.008#	38.5#	70	0.00
34	TM	1,1-Dichloropropene	0.947	0.897	5.3	102	0.01
35	TM	Carbon Tetrachloride	0.563	0.560	0.5	98	0.02
36	S	d4-1,2-Dichloroethane	0.760	0.713	6.2	95	0.01
37	TM	1,2-Dichloroethane	0.906	0.860	5.1	98	0.00
38	TM	Benzene	2.460	2.275	7.5	101	0.01
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓103	0.01
40	TM	Trichloroethene	0.432	0.375	13.2	101	0.01

(#) = Out of Range 5-9-2010

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrato
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010 MT 9/14/10
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	TMC	1,2-Dichloropropane	0.349	0.346	✓0.9	104	0.01
42	TM	Methylmethacrylate	0.252	0.222	11.9	94	0.00
43	T	Methyl acetate	0.527	0.420 ui-90%	~~20.3#~~	89	0.01
44	T	Cyclohexane	0.572	0.624	-9.1	112	0.02
45	TM	Bromodichloromethane	0.407	0.407	0.0	101	0.01
46	TM	Dibromomethane	0.267	0.256	4.1	105	0.01
47	TM	1,4-Dioxane	0.004	0.003#	25.0#	76	0.01
48	T	Methylcyclohexane	0.516	0.539	-4.5	108	0.01
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
50	T	2-Chloroethylvinyl ether	0.198	0.210	-6.1	116	0.00
51	TM	2-Hexanone	0.145	0.130	10.3	94	0.00
52	TM	Methyl isobutyl ketone	0.148	0.137	7.4	94	0.00
53	TM	cis-1,3-Dichloropropene	0.537	0.537	0.0	100	0.01
54	S	d8-Toluene	1.103	1.098	0.5	102	0.01
55	TMC	Toluene	0.773	0.775	✓-0.3	103	0.01
56	TM	trans-1,3-Dichloropropene	0.505	0.499	1.2	100	0.01
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
58	TM	1,1,2-Trichloroethane	0.250	0.250	0.0	99	0.01
59	TM	1,3-Dichloropropane	0.544	0.497	8.6	97	0.01
60	TM	Tetrachloroethene	0.369	0.331	10.3	97	0.00
61	TM	Dibromochloromethane	0.372	0.353	5.1	100	0.01
62	TM	1,2-Dibromoethane	0.385	0.355	7.8	97	0.01
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓104	0.00
64	TMP	Chlorobenzene	1.040	0.997✓	4.1	104	0.00
65	TM	1,1,1,2-Tetrachloroethane	0.360	0.343	4.7	101	0.01
66	TMC	Ethylbenzene	1.627	1.548	✓4.9	103	0.00
67	TM	m,p-Xylene	0.664	0.640	3.6	104	0.00
68	TM	o-Xylene	0.641	0.631	1.6	104	0.00
69	TM	Styrene	1.121	1.093	2.5	104	0.01
70	TMP	Bromoform	0.212	0.233✓	-9.9	99	0.01
71	TM	Isopropylbenzene	1.669	1.623	2.8	104	0.00
72	TMP	1,1,2,2-Tetrachloroethane	0.494	0.443✓	10.3	96	0.00
73	S	Bromofluorobenzene	0.471	0.461	2.1	101	0.00
74	TM	1,2,3-Trichloropropane	0.370	0.322	13.0	93	0.01
75	TM	trans-1,4-Dichloro-2-butene	0.128	0.131	-2.3	102	0.01
76	TM	n-Propylbenzene	1.963	1.861	5.2	102	0.01
77	TM	Bromobenzene	0.375	0.367	2.1	103	0.01
78	TM	1,3,5-Trimethylbenzene	1.306	1.295	0.8	103	0.00
79	TM	2-Chlorotoluene	1.193	1.166	2.3	101	0.00
80	TM	4-Chlorotoluene	1.128	1.122	0.5	105	0.00

(#) = Out of Range 5-9-2010

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrato
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Multiple Level Calibration

MT 9/14/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	TM	tert-butylbenzene	1.158	1.117	3.5	102	0.01
82	TM	1,2,4-Trimethylbenzene	1.399	1.350	3.5	102	0.01
83	T	Diisobutylketone	0.990	0.944	4.6	102	0.00
84	TM	sec-butylbenzene	1.848	1.795	2.9	104	0.01
85	TM	p-isopropyltoluene	1.479	1.433	3.1	104	0.00
86	TM	1,3-Dichlorobenzene	0.683	0.670	1.9	106	0.00
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓106	0.00
88	TM	1,4-Dichlorobenzene	1.607	1.523	5.2	102	0.00
89	TM	n-butylbenzene	3.130	3.001	4.1	103	0.01
90	TM	1,2-Dichlorobenzene	1.444	1.401	3.0	103	0.00
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
92	TM	1,2-Dibromo-3-chloropropane	0.214	0.164 Lin 89%	~~23.4#~~	93	0.00
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
94	TM	1,2,4-Trichlorobenzene	1.102	1.111	-0.8	104	0.00
95	TM	Hexachlorobutadiene	0.547	0.550	-0.5	107	0.00
96	TM	Naphthalene	2.674	2.654	0.7	100	0.00
97	TM	1,2,3-Trichlorobenzene	0.977	0.994	-1.7	105	0.00
98	TM	1,3,5-Trichlorobenzene	1.168	1.191	-2.0	107	0.00

9-2010

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	C76180SC.D
0=LINEAR	Date Acquired	9/13/10 10:54
3=QUADRATIC	Sample Name	20 PPB

MT 9/14/10

METHOD: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	19.75	20	1.3%	NA	OK
0	Chloromethane	19.04	20	4.8%		OK
1	Vinyl Chloride	18.01	20	9.9%	NA	OK
0	Bromomethane	18.68	20	6.6%		OK
1	Chloroethane	18.38	20	8.1%	NA	OK
1	t-Butyl alcohol (TBA)	67.67	100	32.3%	NA	* MT
1	Trichlorofluoromethane	18.51	20	7.5%	NA	OK
1	Diethyl ether	19.88	20	0.6%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	19.81	20	0.9%	NA	OK
0	Acrolein	112.77	100	12.8%		OK
0	Acetone	87.59	100	12.4%		OK
1	1,1-Dichloroethene	19.52	20	2.4%	NA	OK
0	Methyl iodide	27.89	20	39.5%		*
1	Di-isopropyl ether (DIPE)	18.92	20	5.4%	NA	OK
0	Methylene Chloride	20.83	20	4.1%		OK
1	Carbon Disulfide	20.21	20	1.0%	NA	OK
1	Acrylonitrile	17.49	20	12.6%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	22.30	20	11.5%	NA	OK
1	trans-1,2-Dichloroethene	18.91	20	5.5%	NA	OK
0	1,1-Dichloroethane	19.70	20	1.5%		OK
1	Vinyl acetate	24.87	20	24.4%	NA	*
1	Methyl ethyl ketone	89.52	100	10.5%	NA	OK
1	Ethyl t-butyl ether (ETBE)	19.23	20	3.8%	NA	OK
1	2,2-Dichloropropane	20.46	20	2.3%	NA	OK
1	cis-1,2-Dichloroethene	19.27	20	3.7%	NA	OK
1	t-Amyl methyl ether (TAME)	18.47	20	7.6%	NA	OK
1	Chloroform	19.01	20	5.0%	NA	OK
0	Bromochloromethane	21.80	20	9.0%		OK
0	Tetrahydrofuran	18.17	20	9.1%		OK
1	1,1,1-Trichloroethane	19.88	20	0.6%	NA	OK
1	Ethanol	659.85	1000	34.0%	NA	* MT
1	1,1-Dichloropropene	18.95	20	5.2%	NA	OK
1	Carbon Tetrachloride	19.87	20	0.7%	NA	OK
1	d4-1,2-Dichloroethane	18.76	20	6.2%	NA	OK
1	1,2-Dichloroethane	18.97	20	5.2%	NA	OK
1	Benzene	18.50	20	7.5%	NA	OK
0	Trichloroethene	21.29	20	6.4%		OK
1	1,2-Dichloropropane	19.81	20	1.0%	NA	OK
1	Methylmethacrylate	17.56	20	12.2%	NA	OK
0	Methyl acetate	18.08	20	9.6%		OK

5-7-2010

MT 9/14/10

1	Cyclohexane	21.83	20	9.2%	NA	OK
1	Bromodichloromethane	20.03	20	0.2%	NA	OK
0	Dibromomethane	22.78	20	13.9%		OK
1	1,4-Dioxane	371.81	500	25.6%	NA	* MT
1	Methylcyclohexane	20.89	20	4.4%	NA	OK
1	2-Chloroethylvinyl ether	21.22	20	6.1%	NA	OK
1	2-Hexanone	89.74	100	10.3%	NA	OK
1	Methyl isobutyl ketone	92.29	100	7.7%	NA	OK
1	cis-1,3-Dichloropropene	19.98	20	0.1%	NA	OK
1	d8-Toluene	19.92	20	0.4%	NA	OK
1	Toluene	20.06	20	0.3%	NA	OK
1	trans-1,3-Dichloropropene	19.75	20	1.3%	NA	OK
1	1,1,2-Trichloroethane	20.00	20	0.0%	NA	OK
1	1,3-Dichloropropane	18.28	20	8.6%	NA	OK
1	Tetrachloroethene	17.92	20	10.4%	NA	OK
1	Dibromochloromethane	19.00	20	5.0%	NA	OK
1	1,2-Dibromoethane	18.45	20	7.8%	NA	OK
1	Chlorobenzene	19.17	20	4.2%	NA	OK
1	1,1,1,2-Tetrachloroethane	19.09	20	4.6%	NA	OK
1	Ethylbenzene	19.03	20	4.8%	NA	OK
1	m,p-Xylene	38.59	40	3.5%	NA	OK
1	o-Xylene	19.71	20	1.4%	NA	OK
1	Styrene	19.51	20	2.5%	NA	OK
0	Bromoform	18.82	20	5.9%		OK
1	Isopropylbenzene	19.45	20	2.7%	NA	OK
1	1,1,2,2-Tetrachloroethane	17.95	20	10.3%	NA	OK
1	Bromofluorobenzene	19.60	20	2.0%	NA	OK
0	1,2,3-Trichloropropane	18.95	20	5.2%		OK
1	trans-1,4-Dichloro-2-butene	20.54	20	2.7%	NA	OK
1	n-Propylbenzene	18.95	20	5.2%	NA	OK
1	Bromobenzene	19.57	20	2.2%	NA	OK
1	1,3,5-Trimethylbenzene	19.84	20	0.8%	NA	OK
1	2-Chlorotoluene	19.54	20	2.3%	NA	OK
1	4-Chlorotoluene	19.90	20	0.5%	NA	OK
1	tert-butylbenzene	19.29	20	3.6%	NA	OK
1	1,2,4-Trimethylbenzene	19.30	20	3.5%	NA	OK
1	Diisobutylketone	95.36	100	4.6%	NA	OK
1	sec-butylbenzene	19.42	20	2.9%	NA	OK
1	p-isopropyltoluene	19.37	20	3.1%	NA	OK
1	1,3-Dichlorobenzene	19.61	20	2.0%	NA	OK
1	1,4-Dichlorobenzene	18.95	20	5.2%	NA	OK
1	n-butylbenzene	19.17	20	4.1%	NA	OK
1	1,2-Dichlorobenzene	19.42	20	2.9%	NA	OK
0	1,2-Dibromo-3-chloropropane	17.72	20	11.4%		OK
1	1,2,4-Trichlorobenzene	20.16	20	0.8%	NA	OK
1	Hexachlorobutadiene	20.12	20	0.6%	NA	OK
1	Naphthalene	19.85	20	0.8%	NA	OK
1	1,2,3-Trichlorobenzene	20.35	20	1.7%	NA	OK
1	1,3,5-Trichlorobenzene	20.39	20	1.9%	NA	OK

5-9-2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 11:08 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	207593	20.00 ug/L	0.01
39) 1,4-Difluorobenzene	8.58	114	400722	20.00 ug/L	0.01
63) *d5-Chlorobenzene	13.10	117	358051 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.82	152	159032	20.00 ug/L	0.00

System Monitoring Compounds

28) DB Holder #28	7.97	65	148082	18.78 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.90%		
36) d4-1,2-Dichloroethane	7.97	65	148082	18.76 ug/L	0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 93.80%		
54) d8-Toluene	10.84	98	440138	19.92 ug/L	0.01
Spiked Amount 20.000	Range 85 - 120		Recovery = 99.60%		
73) Bromofluorobenzene	14.98	95	165168	19.60 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 98.00%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.68	85	155205	19.75 ug/L	99
3) Chloromethane	1.96	50	200810	19.04 ug/L	97
4) Vinyl Chloride	2.01	62	143167	18.01 ug/L	99
5) Bromomethane	2.49	94	118959	18.68 ug/L	96
6) Chloroethane	2.58	64	110579	18.38 ug/L	99
7) t-Butyl alcohol (TBA)	3.91	59	50622	67.67 ug/L #	77
8) Trichlorofluoromethane	2.90	101	225804	18.51 ug/L	96
9) Diethyl ether	3.30	74	65079	19.88 ug/L	99
10) 1,1,2-Trichlorotrifluoroet	3.51	101	133622	19.81 ug/L	98
11) Acrolein	3.46	56	49617	112.77 ug/L	99
12) Acetone	3.56	43	236827	87.59 ug/L	100
13) 1,1-Dichloroethene	3.74	96	122500	19.52 ug/L	97
14) Methyl iodide	4.18	142	160185	27.89 ug/L	96
15) Di-isopropyl ether (DIPE)	5.56	45	582716	18.92 ug/L	98
16) Methylene Chloride	4.49	84	149574	20.83 ug/L	97
17) Carbon Disulfide	4.46	76	428718	20.21 ug/L	99
18) Acrylonitrile	4.71	53	58538	17.49 ug/L	95
19) Methyl-tert-butyl ether (M	4.81	73	323621	22.30 ug/L	96
20) trans-1,2-Dichloroethene	4.98	61	201908	18.91 ug/L	94
21) 1,1-Dichloroethane	5.68	63	244926	19.70 ug/L	99
22) Vinyl acetate	5.72	43	323156	24.87 ug/L	99
23) Methyl ethyl ketone	6.38	72	66564	89.52 ug/L	100
24) Ethyl t-butyl ether (ETBE)	6.21	59	434405	19.23 ug/L	100
25) 2,2-Dichloropropane	6.59	77	164626	20.46 ug/L	87
26) cis-1,2-Dichloroethene	6.64	96	147464	19.27 ug/L	97
27) t-Amyl methyl ether (TAME)	7.95	73	343017	18.47 ug/L	100

(#) = qualifier out of range (m) = manual integration 9-2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 11:08 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.88	83	239029	19.01 ug/L	93
30)	Bromochloromethane	7.11	128	71817	21.80 ug/L	99
31)	Tetrahydrofuran	7.23	71	15962	18.17 ug/L	93
32)	1,1,1-Trichloroethane	7.50	97	194973	19.88 ug/L	99
33)	Ethanol	2.70	45	88145	659.85 ug/L	98
34)	1,1-Dichloropropene	7.73	75	186272	18.95 ug/L	96
35)	Carbon Tetrachloride	7.88	119	116175	19.87 ug/L	96
37)	1,2-Dichloroethane	8.10	62	178435	18.97 ug/L	98
38)	Benzene	8.11	78	472360	18.50 ug/L	98
40)	Trichloroethene	9.05	95	150339	21.29 ug/L	98
41)	1,2-Dichloropropane	9.31	63	138584	19.81 ug/L	99
42)	Methylmethacrylate	9.45	69	88799	17.56 ug/L	96
43)	Methyl acetate	4.29	43	168272	18.08 ug/L	98
44)	Cyclohexane	7.52	56	250023	21.83 ug/L	96
45)	Bromodichloromethane	9.66	83	163192	20.03 ug/L	95
46)	Dibromomethane	9.72	93	102708	22.78 ug/L	98
47)	1,4-Dioxane	9.72	88	32358	371.81 ug/L	100
48)	Methylcyclohexane	9.14	83	215938	20.89 ug/L	100
50)	2-Chloroethylvinyl ether	10.16	63	84185	21.22 ug/L	99
51)	2-Hexanone	11.52	58	259897	89.74 ug/L	100
52)	Methyl isobutyl ketone	10.20	58	273951	92.29 ug/L	100
53)	cis-1,3-Dichloropropene	10.49	75	215095	19.98 ug/L	98
55)	Toluene	10.95	92	310598	20.06 ug/L	97
56)	trans-1,3-Dichloropropene	11.25	75	199909	19.75 ug/L	97
58)	1,1,2-Trichloroethane	11.47	83	100234	20.00 ug/L	96
59)	1,3-Dichloropropane	11.85	76	199170	18.28 ug/L	98
60)	Tetrachloroethene	11.93	166	132596	17.92 ug/L	94
61)	Dibromochloromethane	12.22	129	141551	19.00 ug/L	99
62)	1,2-Dibromoethane	12.52	107	142214	18.45 ug/L	97
64)	Chlorobenzene	13.16	112	356873	19.17 ug/L	99
65)	1,1,1,2-Tetrachloroethane	13.24	131	122898	19.09 ug/L	99
66)	Ethylbenzene	13.26	91	554439	19.03 ug/L	100
67)	m,p-Xylene	13.38	106	458460	38.59 ug/L	99
68)	o-Xylene	14.04	106	226074	19.71 ug/L	99
69)	Styrene	14.10	104	391513	19.51 ug/L	95
70)	Bromoform	14.58	173	83541	18.82 ug/L	97
71)	Isopropylbenzene	14.60	105	581229	19.45 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.87	83	158569	17.95 ug/L	98
74)	1,2,3-Trichloropropane	15.10	75	115373	18.95 ug/L	98
75)	trans-1,4-Dichloro-2-buten	15.22	89	46967	20.54 ug/L	93
76)	n-Propylbenzene	15.23	91	666198	18.95 ug/L	99

(#) = qualifier out of range (m) = manual integration 9-2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 11:08 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

MT 9/13/10

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
77)	Bromobenzene	15.26	156	131508	19.57 ug/L	#	90
78)	1,3,5-Trimethylbenzene	15.48	105	463686	19.84 ug/L		99
79)	2-Chlorotoluene	15.48	91	417323	19.54 ug/L		98
80)	4-Chlorotoluene	15.56	91	401876	19.90 ug/L		99
81)	tert-butylbenzene	16.03	119	399914	19.29 ug/L		97
82)	1,2,4-Trimethylbenzene	16.09	105	483486	19.30 ug/L		98
83)	Diisobutylketone	15.18	57	1690002	95.36 ug/L		99
84)	sec-butylbenzene	16.37	105	642659	19.42 ug/L		99
85)	p-isopropyltoluene	16.58	119	512989	19.37 ug/L		99
86)	1,3-Dichlorobenzene	16.70	146	239836	19.61 ug/L		99
88)	1,4-Dichlorobenzene	16.87	146	242219	18.95 ug/L		98
89)	n-butylbenzene	17.24	91	477298	19.17 ug/L		97
90)	1,2-Dichlorobenzene	17.44	146	222874	19.42 ug/L		97
92)	1,2-Dibromo-3-chloropropan	18.68	75	26079	17.72 ug/L	#	84
94)	1,2,4-Trichlorobenzene	20.09	180	176612	20.16 ug/L		92
95)	Hexachlorobutadiene	20.33	225	87491	20.12 ug/L		97
96)	Naphthalene	20.47	128	422086	19.85 ug/L		99
97)	1,2,3-Trichlorobenzene	20.88	180	158047	20.35 ug/L		96
98)	1,3,5-Trichlorobenzene	19.08	180	189375	20.39 ug/L		99

9-2010

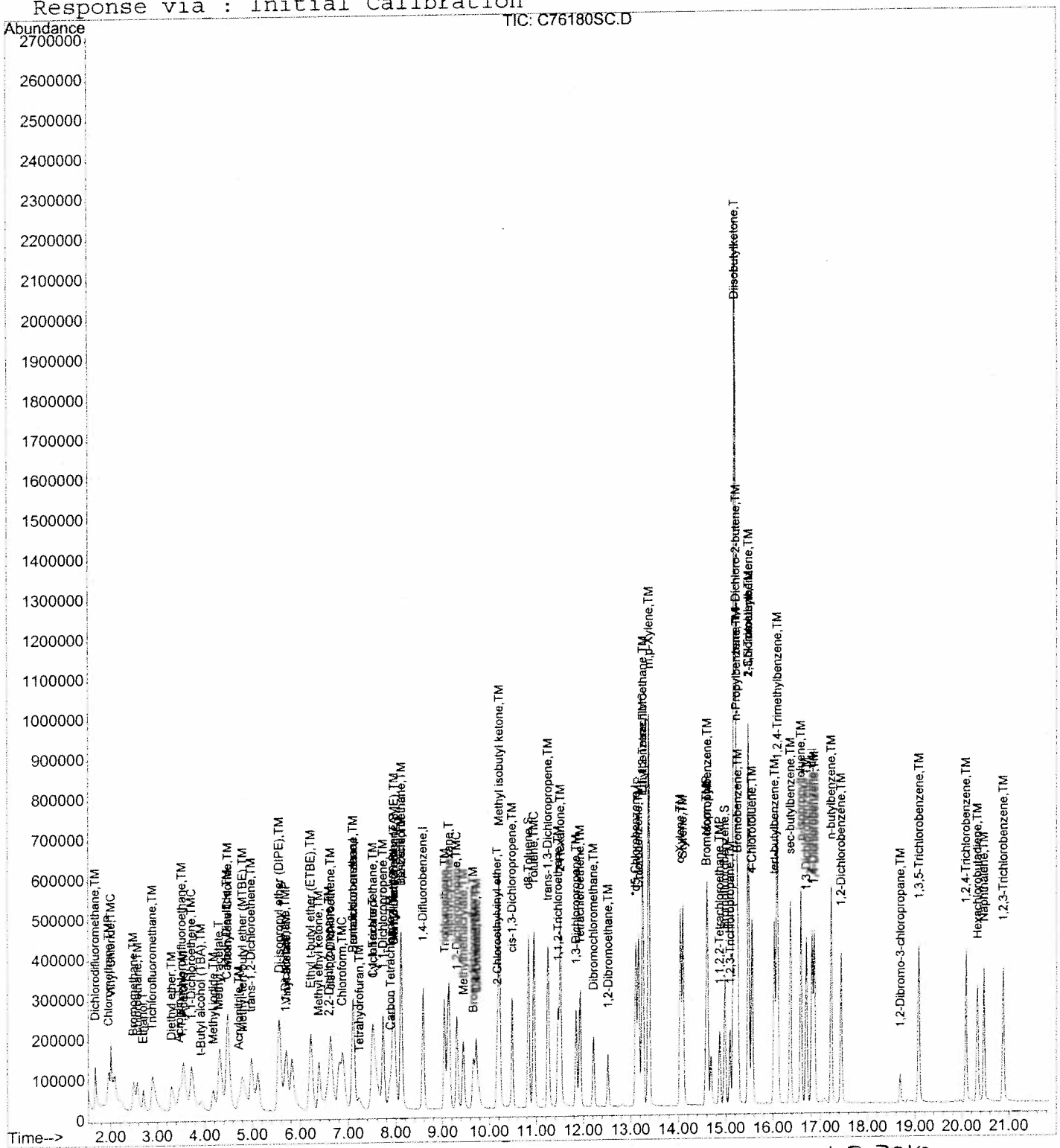
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D Vial: 8
Acq On : 13 Sep 2010 10:54 am Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 13 11:08 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 17 18:39:58 2010
Response via : Initial Calibration

MT 9/13/10



9-2010

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
TED PURGE (Y/N): N

SDG:

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
Upper Limit	393962		7.15		774998		8.65		686338		13.18		299682		16.90	
Lower limit	98491		7.03		193750		8.53		171585		13.06		74921		16.78	
SAMPLE ID																
0.2 PPB	195858		7.10		379188		8.59		335209		13.11		150145		16.83	
0.5 PPB	197160		7.10		377545		8.59		336495		13.11		150633		16.83	
1.0 PPB	198221		7.10		390972		8.59		340345		13.12		151939		16.84	
2.0 PPB	201313		7.10		385421		8.59		340024		13.12		151871		16.84	
5.0 PPB	191436		7.10		377072		8.59		326733		13.11		146462		16.83	
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
50.0 PPB	187674		7.10		375824		8.59		333454		13.12		146646		16.83	
100.0 PPB	212825		7.10		426996		8.59		369802		13.12		156214		16.84	
20 PPB ICV	136751		7.09		264160		8.59		237302		13.12		105646		16.84	
20 PPB ICV2	197193		7.10		389939		8.59		341660		13.12		149620		16.84	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\DATA\081010-C\C75996T.D
Tune Time : 10 Aug 2010 11:05 am

Daily Calibration File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D

						196981	387499	343169
						149841		

OL 08.11.10 VMT 8/11/10

File	Sample	Surrogate Recovery %				Internal Standard Responses		
75997SI.D	0.2 PPB	105	105	89	80	195858	379188	335209
				150145				
75998SI.D	0.5 PPB	104	103	90	78	197160	377545	336495
				150633				
75999SI.D	1.0 PPB	108	108	88	79	198221	390972	340345
				151939				
76000SI.D	2.0 PPB	103	103	89	80	201313	385421	340024
				151871				
76001SI.D	5.0 PPB	106	106	88	80	191436	377072	326733
				146462				
76002SI.D	20.0 PPB	110	110	89	80	196981	387499	343169
				149841				
76003SI.D	50.0 PPB	106	105	89	78	187674	375824	333454
				146646				
76004SI.D	100.0 PP	100	100	87	77	212825	426996	369802
				156214				
76006CC.D	20 PPB I	99	99	103	103	136751	264160	237302
				105646				
76007CC.D	20 PPB I	101	102	100	100	197193	389939	341660
				149620				

t - fails 12hr time check * - fails criteria

Created: Wed Aug 11 09:49:34 2010 Instr_C

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
TED PURGE (Y/N): N

SDG: 67743

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	207593		7.09		400722		8.58		358051		13.10		159032		16.82	
Upper Limit	415186		7.15		801444		8.64		716102		13.16		318064		16.88	
Lower limit	103797		7.03		200361		8.52		179026		13.04		79516		16.76	
SAMPLE ID																
LS09130C	216243		7.08		423790		8.57		367658		13.11		161114		16.82	
LS09130C2	211513		7.08		425087		8.58		378482		13.10		171418		16.82	
MB09130C	214534		7.09		431747		8.58		378639		13.11		163899		16.83	
67743-1	207920		7.09		419724		8.58		364104		13.12		160584		16.82	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\DATA\091310-C\C76178T.D
Tune Time : 13 Sep 2010 9:49 am

Daily Calibration File : C:\HPCHEM\1\DATA\DATA\091310-C\C76180SC.D

207593 400722 358051

MT 9/14/10

159032

File	Sample	Surrogate Recovery %				Internal Standard Responses		
		99	99	101	102			
C76181Q.D	LS09130C	~~50*~~	~~50*~~	~~52*~~	~~53*~~	216243	423790	367658
			161114					
		101	102	104	105			
C76182Q.D	LS09130C	~~51*~~	~~51*~~	~~52*~~	~~52*~~	211513	425087	378482
			171418					
C76183.D	BROMOFOR	92	92	99	98	218226	413382	367245
			160951					
		94	94	95	96			
C76184B.D	MB09130C	~~47*~~	~~47*~~	~~48*~~	~~48*~~	214534	431747	378639
			163899					
C76185.D	67722-5	93	93	97	100	225369	450317	385730
			163350					
C76186.D	67722-1	81	80	86	88	214598	424043	368429
			151004					
C76187.D	67722-2	82	82	88	83	159727	312559	278607
			117882					
C76188.D	67722-3	80	80	84	86	226869	458435	387194
			157693					
C76189.D	67722-4	81	81	87	87	232908	459284	397574
			155998					
C76192.D	67743-1	85	85	84	89	207920	419724	364104
			160584					
C76193.D	67686-16	93	93	97	99	218252	426626	370114
			160384					
C76194.D	67686-14	98	98	98	98	219321	436955	380738
			163431					
C76195.D	67686-15	97	97	98	99	220088	438328	375785
			159761					
C76196SP.D	67722-2,	88	88	92	92	209292	415238	363446
			157698					
C76197SP.D	67722-2,	93	93	91	95	208183	419998	370150
			163548					
C76198SP.D	67708-1,	92	92	99	99	219710	425309	379187
			169720					

9-2010

t - fails 12hr time check * - fails criteria

Created: Tue Sep 14 07:48:57 2010 Instr_C

MT 9/14/10

9-2010

VPH
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 14, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV091310K
Matrix: Soil
Percent Solid: 100
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/13/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				76
Surrogate % Recovery (2,5-Dibromotoluene) FID				78
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**MBV091310K**
Data File Name	K28861B.D
Date Acquired	9/13/2010 11:08
Misc Info	100,10.00,SOIL ✓
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**1.0000** ✓
% Moisture (divided by 100)	0.0000
Vol. entrained water (mL)	0.0000
Total MeOH/water vol (mL)	10.0000
Dilution Factor	50.00
Moisture Corrected Dilution Factor	50.00

gg 9/13/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2500	
Unadjusted C9-C12 Aliphatics	U		2500	
Benzene	U		100	
Ethylbenzene	U		100	
Methyl-t-butylether	U		100	
Naphthalene	U		100	ND
Toluene	U		100	
m,p-Xylenes	U		200	
o-Xylene	U		100	
C5-C8 Aliphatic Hydrocarbons	U		2500	
C9-C12 Aliphatic Hydrocarbons	U		2500	
C9-C10 Aromatic Hydrocarbons	U		500	
PID Surrogate % Recovery	76%		70-130%	PASS ✓
FID Surrogate % Recovery	78%		70-130%	PASS ✓

RAW DATA

	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
FID RESULTS									
C5-C8 ALIPHATICS	28.64 ✓	0.00	209803						0
C9-C12 ALIPHATICS	12.67 ✓	0.00	90309						0
2,5-Dibromotoluene	77.53		228049						
PID RESULTS									
Methyl-t-butylether #2	0.39	0.00	1814	2.170	2.183	0.0477	OK	0.00	0
Benzene #2	0.80	0.00	10345	3.512	3.512	0.0380	OK	0.00	0
Toluene #2	0.70	0.00	8318	4.881	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.68	0.00	7377	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	1.23	0.00	15387	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.67	0.00	7485	6.558	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.60	0.00	6094	10.245	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	5.25 ✓	0.00	61914						0
2,5-Dibromotoluene #2	75.89		598965						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

391310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28861B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 11:08 am
Operator : JJL
Sample : MBV091310K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 11:32:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
8)	S	2,5-Dibro...	11.354	11.353	228049	598965	77.532	75.886	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	77.53%	75.89%
		Target Compounds							
2)	Z	2-Methylp...	2.004	2.002	6909	578	0.844	NoCal	#
3)	TM	Methyl-t-...	0.000	2.170	0	1814	N.D.	0.389	#
4)	Z	2,2,4-Tri...	3.320	3.322	5775	3762	0.748	NoCal	#
5)	TM	Benzene	3.513	3.512	9754	10345	NoCal	0.795	#
6)	TM	Toluene	4.881	4.881	8995	8318	NoCal	0.697	#
7)	XH	C5-C8 ALI...	3.717	0.000	209803	0	28.643	N.D.	#
9)	TM	Ethylbenzene	6.121	6.121	8922	7377	NoCal	0.675	#
0)	TM	m,p-Xylene	6.187	6.187	15435	15387	NoCal	1.226	#
1)	TM	o-Xylene	6.559	6.558	12194	7485	NoCal	0.669	#
2)	Z	n-Decane	7.152	7.152	11627	2058	1.686	NoCal	#
3)	Z	n-Butylcy...	7.822	7.821	9040	4100	1.228	NoCal	#
4)	XH	C9-C12 AL...	8.070	0.000	90309	0	12.668	N.D.	#
5)	ZM	1,2,4-Tri...	7.715	7.715	12926	7580	NoCal	0.643	#
6)	XH	C9-C10 AR...	10.410	8.424	8	61914	NoCal	5.249	#
7)	TM	Naphthalene	10.245	10.245	15132	6094	NoCal	0.598	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

591360

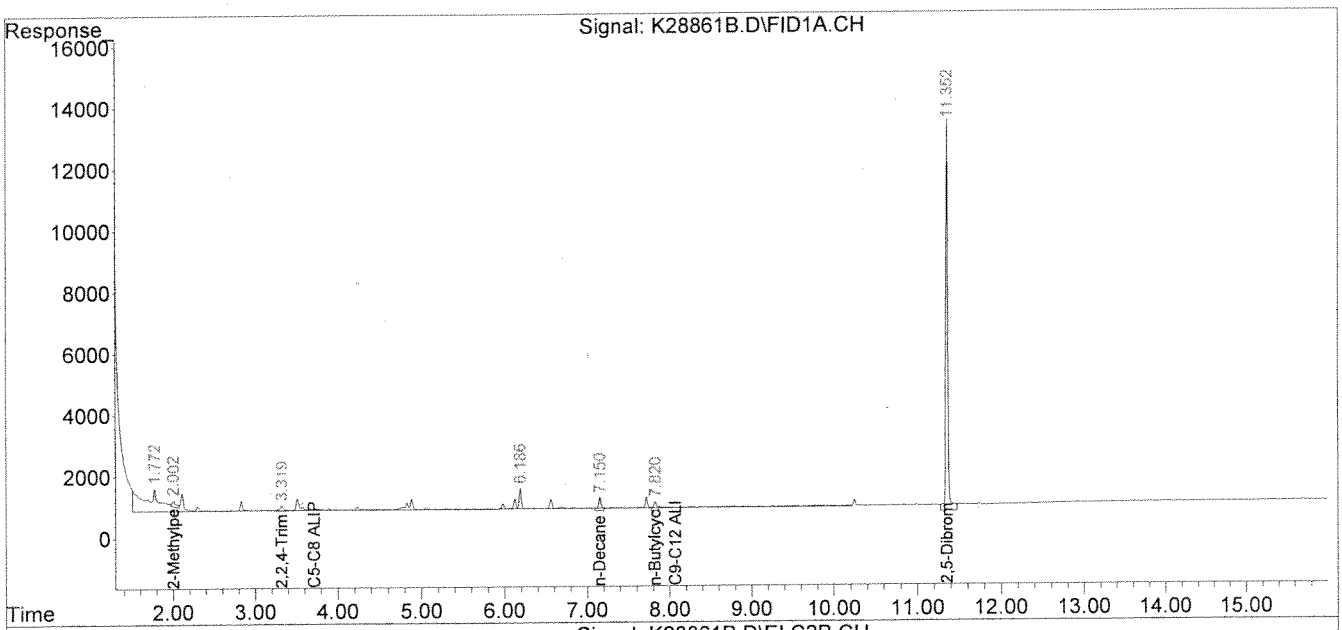
Quantitation Report (Not Reviewed)

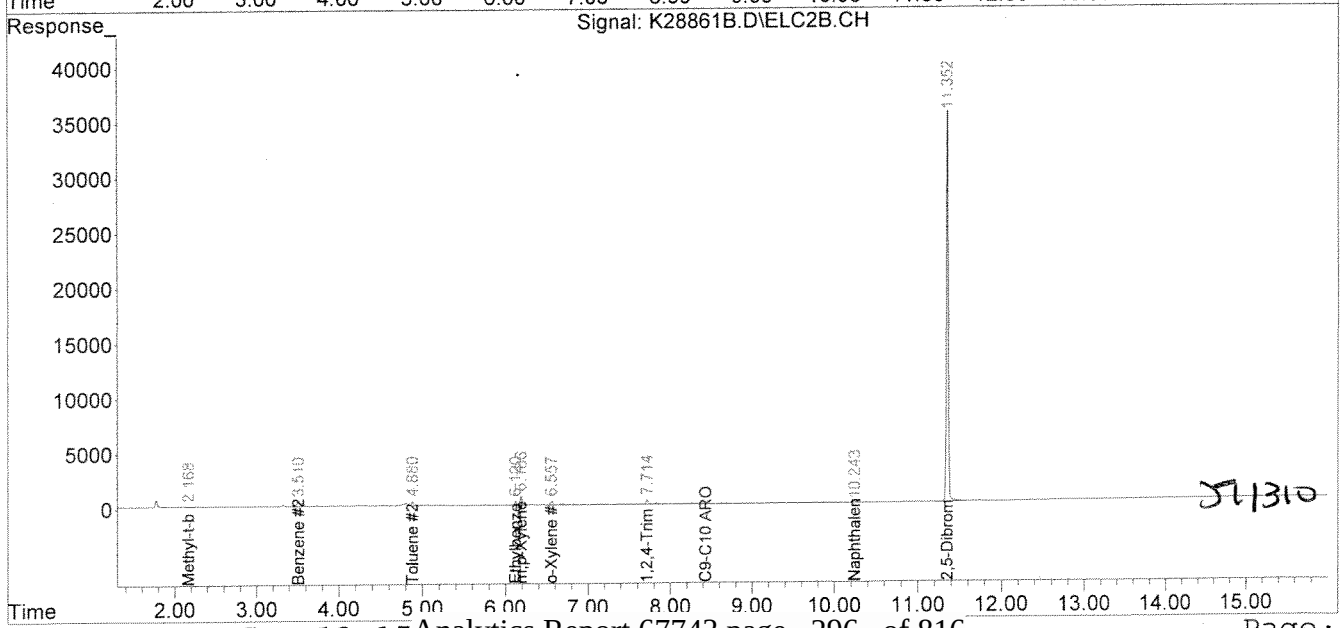
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28861B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 11:08 am
Operator : JJL
Sample : MBV091310K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 11:32:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





5/1310

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 14, 2010

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM4-01

SAMPLE DATA

Lab Sample ID: 67743-1
Matrix: Solid
Percent Solid: 82
Dilution Factor: 149.2
Collection Date: 09/10/10
Lab Receipt Date: 09/10/10
Analysis Date: 09/13/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	7460	µg/kg	**8520**
Unadjusted C9-C12 Aliphatics[1]	N/A	7460	µg/kg	**86300**
Benzene	C5-C8	300	µg/kg	U
Ethylbenzene	C9-C12	300	µg/kg	**190 J**
Methyl-tert-butyl ether	C5-C8	300	µg/kg	U
Naphthalene	N/A	300	µg/kg	**2870**
Toluene	C5-C8	300	µg/kg	U
m- & p-Xylenes	C9-C12	600	µg/kg	U
o-Xylene	C9-C12	300	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	7460	µg/kg	**8520**
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	7460	µg/kg	**48500**
C9-C10 Aromatic Hydrocarbons[1]	N/A	1490	µg/kg	**37700**
Surrogate % Recovery (2,5-Dibromotoluene) PID				99
Surrogate % Recovery (2,5-Dibromotoluene) FID				93
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VPH SOIL REPORT

Sample Name	**67743-1,2X**
Data File Name	K28866.D
Date Acquired	9/13/2010 13:31
Misc Info	50,9.63,SOIL
Vol. MeOH Analyzed (uL)	50
Soil Weight (g)	9.63
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.8180**
% Moisture (divided by 100)	0.1820
Vol. entrained water (mL)	1.7527
Total MeOH/water vol (mL)	11.7527
Dilution Factor	126.95
Moisture Corrected Dilution Factor	149.20

gs 9/14/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	8521		7460	
Unadjusted C9-C12 Aliphatics	86344		7460	
Benzene	U		298	
Ethylbenzene	190	J	298	
Methyl-t-butylether	U		298	
Naphthalene	2867		298	
Toluene	U		298	
m,p-Xylenes	U		597	
o-Xylene	U		298	
C5-C8 Aliphatic Hydrocarbons	8521		7460	
C9-C12 Aliphatic Hydrocarbons	48454		7460	
C9-C10 Aromatic Hydrocarbons	37699		1492	
PID Surrogate % Recovery	99%		70-130%	PASS
FID Surrogate % Recovery	93%		70-130%	PASS

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	57.11	8520.56	418310						8521
C9-C12 ALIPHATICS	578.73	86343.59	4125738						86344
2,5-Dibromotoluene	39.43		115975						
PID RESULTS									
Methyl-t-butylether #2	0.30	0.00	1421	2.149	2.183	0.0477	OK	0.00	0
Benzene #2	0.17	0.00	2225	3.517	3.512	0.0380	OK	0.00	0
Toluene #2	0.20	0.00	2361	4.881	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	1.28	190.33	13939	6.104	6.124	0.0344	OK	190.33	190
m,p-Xylene #2	1.51	0.00	18956	6.188	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.75	0.00	8355	6.561	6.561	0.0344	OK	0.00	0
Naphthalene #2	19.22	2867.31	195882	10.244	10.248	0.0344	OK	2867.31	2867
C9-C10 AROMATICS #2	252.68	37699.24	2980646						37699
2,5-Dibromotoluene #2	42.24		333395						

ADJUSTED RESULTS	
C5-C8 Aliphatic Hydrocarbons	8521
C9-C12 Aliphatic Hydrocarbons	48454

JS 9/14/10

9/14/2010 8:50 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28866.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:31 pm
Operator : JJL
Sample : 67743-1,2X
Misc : 50,9.63,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 09:01:30 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

98 9/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18)	S 2,5-Dibro...	11.352	11.352	115975	333395	39.429m	42.240m
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	39.43%# 42.24%#
	Target Compounds						
2)	Z 2-Methylp...	2.008	2.042	8845	2398	1.081	NoCal #
3)	TM Methyl-t-...	2.157	2.149	3982	1421	NoCal	0.305 #
4)	Z 2,2,4-Tri...	3.309	3.321	8836	2983	1.145	NoCal #
5)	TM Benzene	3.514	3.517	2392	2225	NoCal	0.171 #
6)	TM Toluene	4.886	4.881	1770	2361	NoCal	0.198 #
7)	XH C5-C8 ALI...	3.717	0.000	418310	0	57.110	N.D. #
9)	TM Ethylbenzene	6.098	6.104	24381	13939	NoCal	1.276 #
10)	TM m,p-Xylene	6.187	6.188	19792	18956	NoCal	1.511 #
11)	TM o-Xylene	6.563	6.561	11276	8355	NoCal	0.747 #
12)	Z n-Decane	7.164	7.163	347741	245364	50.422	NoCal #
13)	Z n-Butylcy...	7.813	7.813	66642	48641	9.053	NoCal #
14)	XH C9-C12 AL...	10.120f	0.000	4125738	0	578.727	N.D. #
15)	ZM 1,2,4-Tri...	7.716	7.715	122870	116149	NoCal	9.846 #
16)	XH C9-C10 AR...	10.410	8.424	352	2980646	NoCal	252.683 #
17)	TM Naphthalene	10.243	10.243	88525	124169	NoCal m	12.183m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

DJ 9/14/10

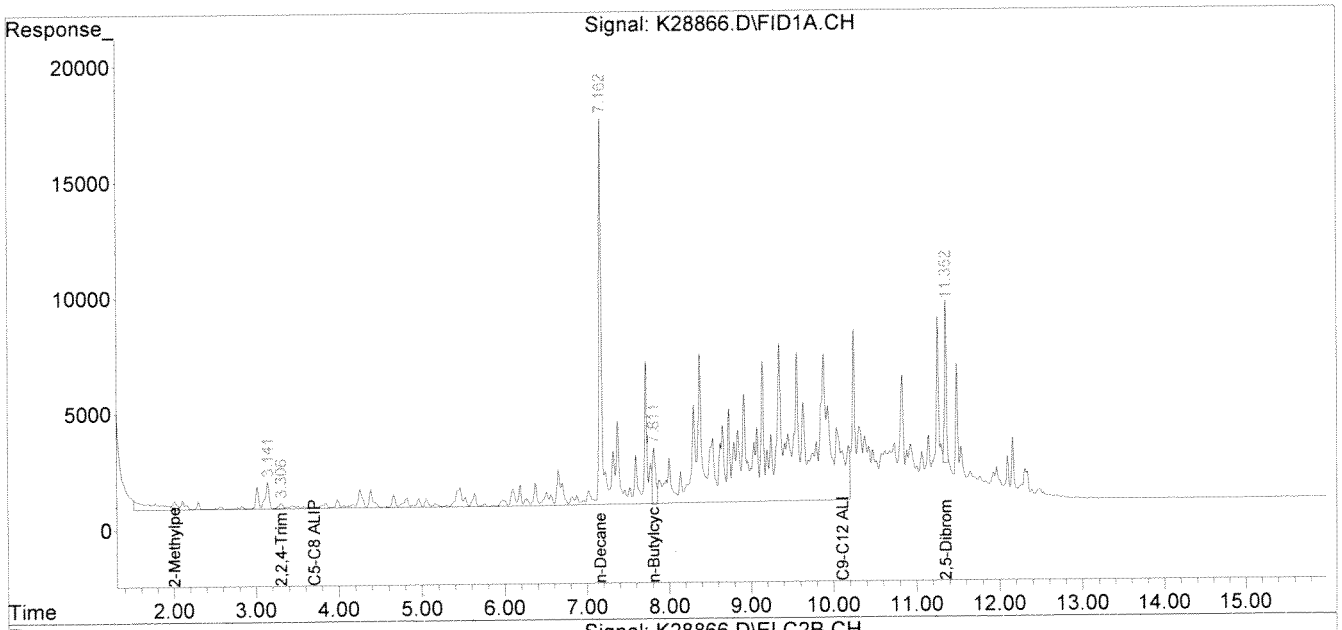
Quantitation Report (QT Reviewed)

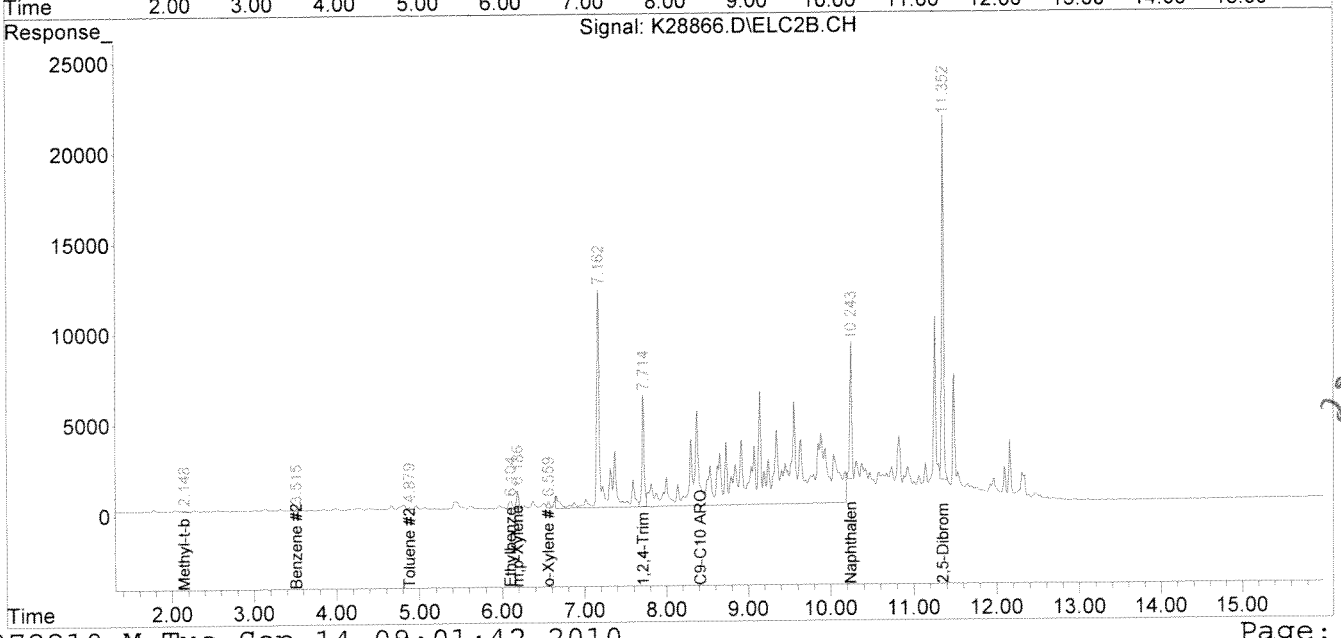
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28866.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:31 pm
Operator : JJL
Sample : 67743-1,2X
Misc : 50,9.63,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 09:01:30 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





37.44

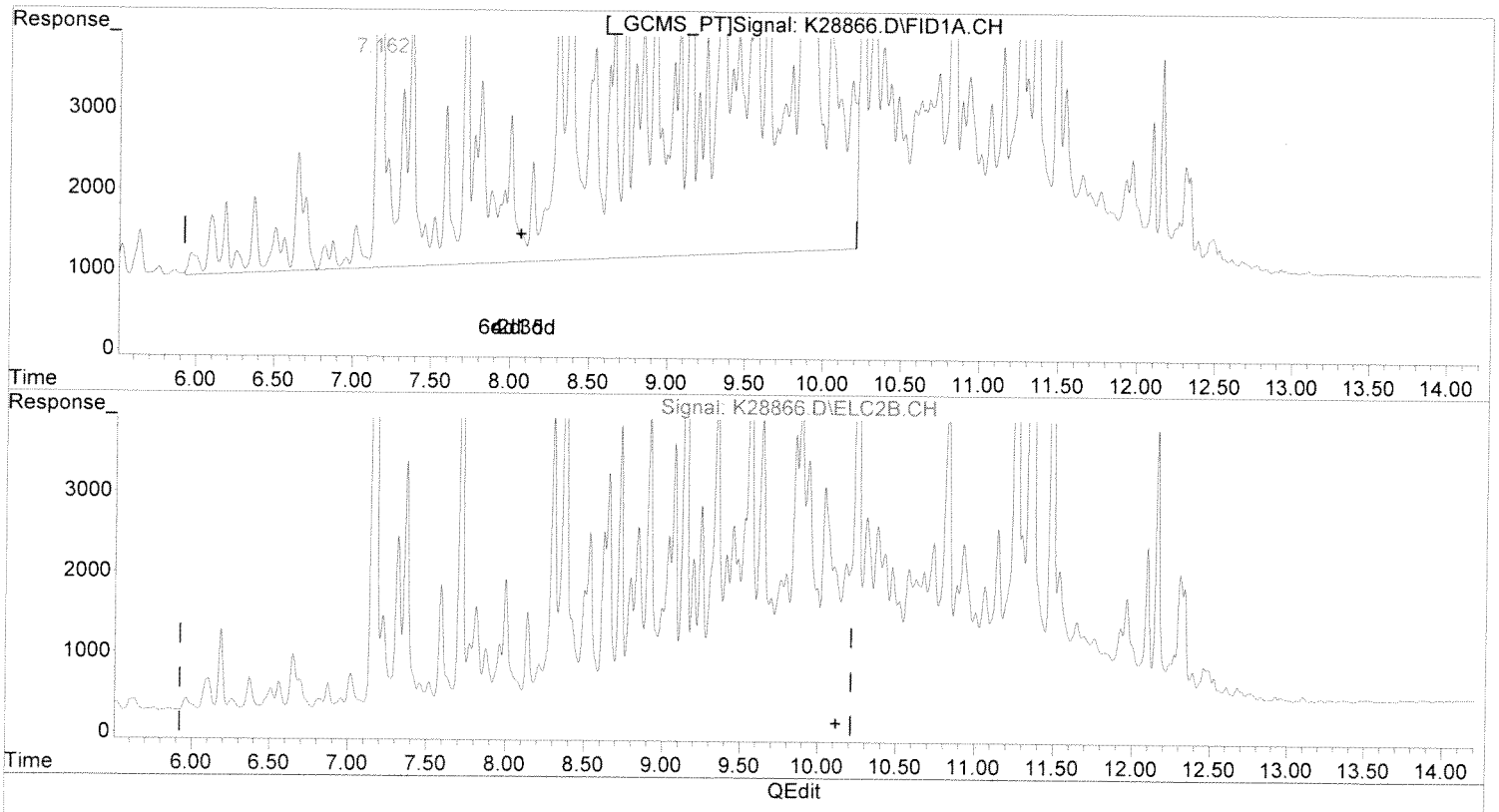
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28866.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:31 pm
Operator : JJL
Sample : 67743-1,2X
Misc : 50,9.63,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 08:43:53 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 9/14/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) C9-C12 ALIPHATICS (XH)
8.070min 536.584ug/L m
response 3825304

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

9/14/10

(+) = Expected Retention Time
VPH072210.M Tue Sep 14 08:44:11 2010

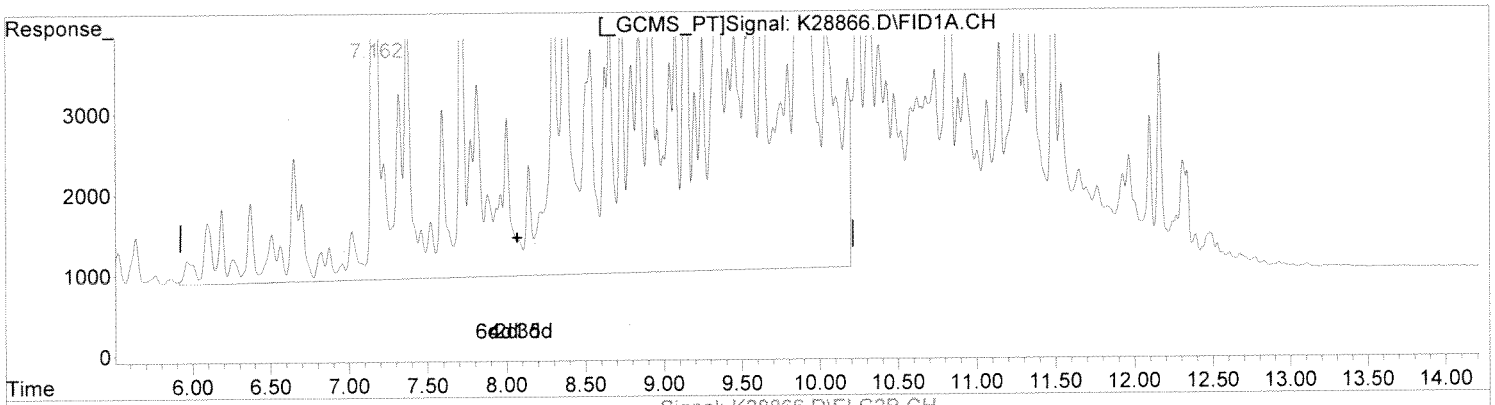
Quantitation Report (Qedit)

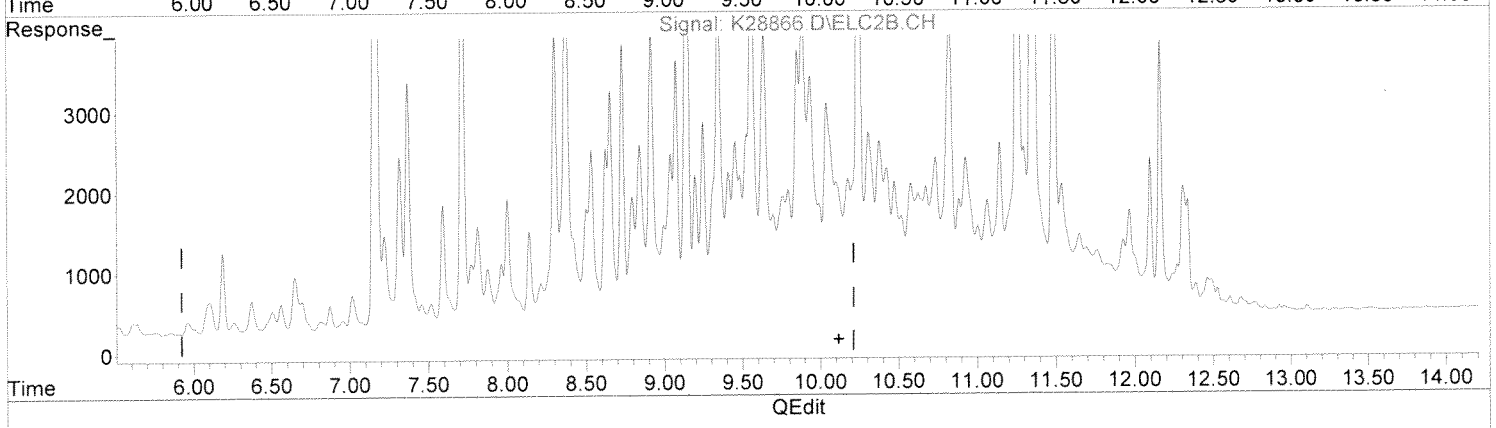
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28866.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:31 pm
Operator : JJL
Sample : 67743-1,2X
Misc : 50,9.63,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 08:43:53 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(14) C9-C12 ALIPHATICS (XH)
10.120min 578.727ug/L m
response 4125738

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

D91440

(+) = Expected Retention Time

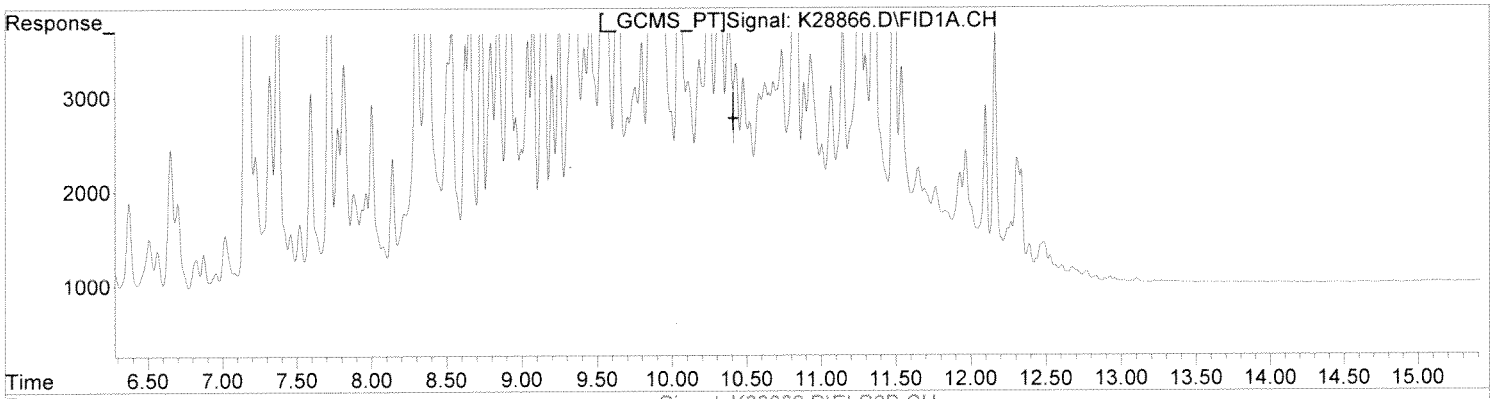
Quantitation Report (Qedit)

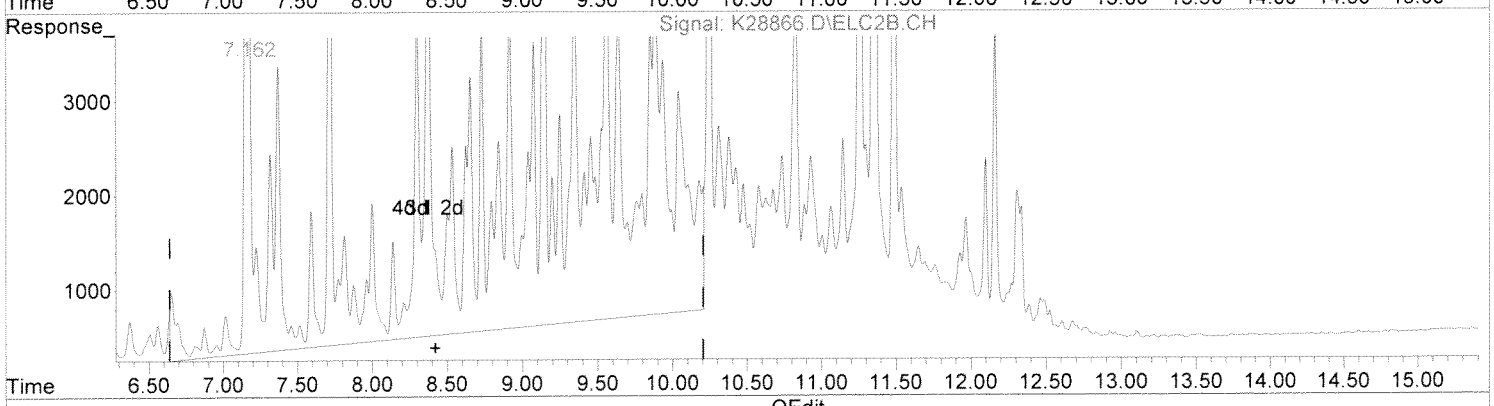
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28866.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:31 pm
Operator : JJL
Sample : 67743-1,2X
Misc : 50,9.63,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 08:43:53 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 9/14/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 352

(16) C9-C10 AROMATICS #2 (XH)
8.424min 222.570ug/L m
response 2625433

SJ 9/14/10

(+) = Expected Retention Time

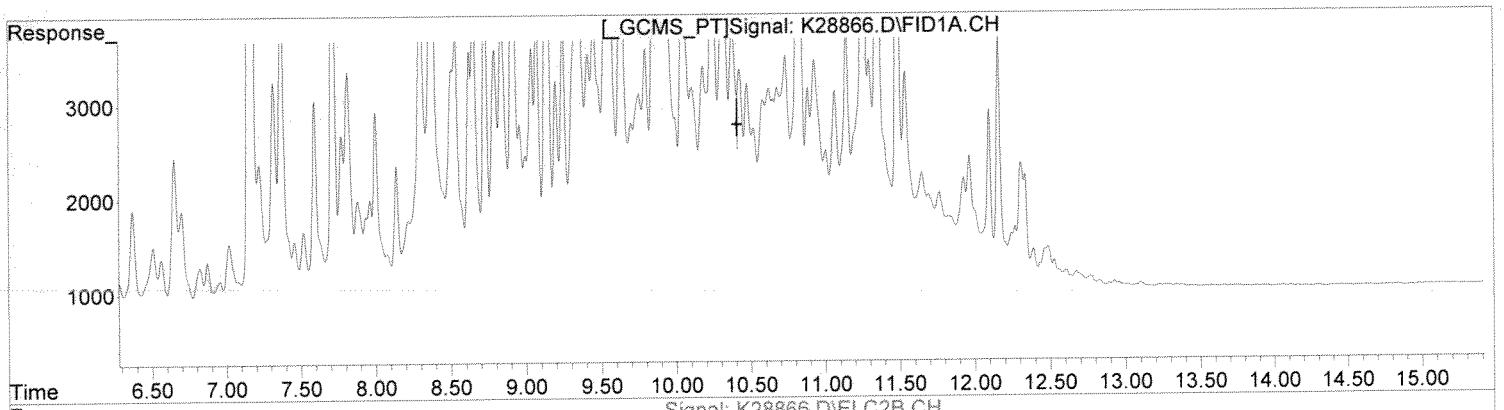
Quantitation Report (Qedit)

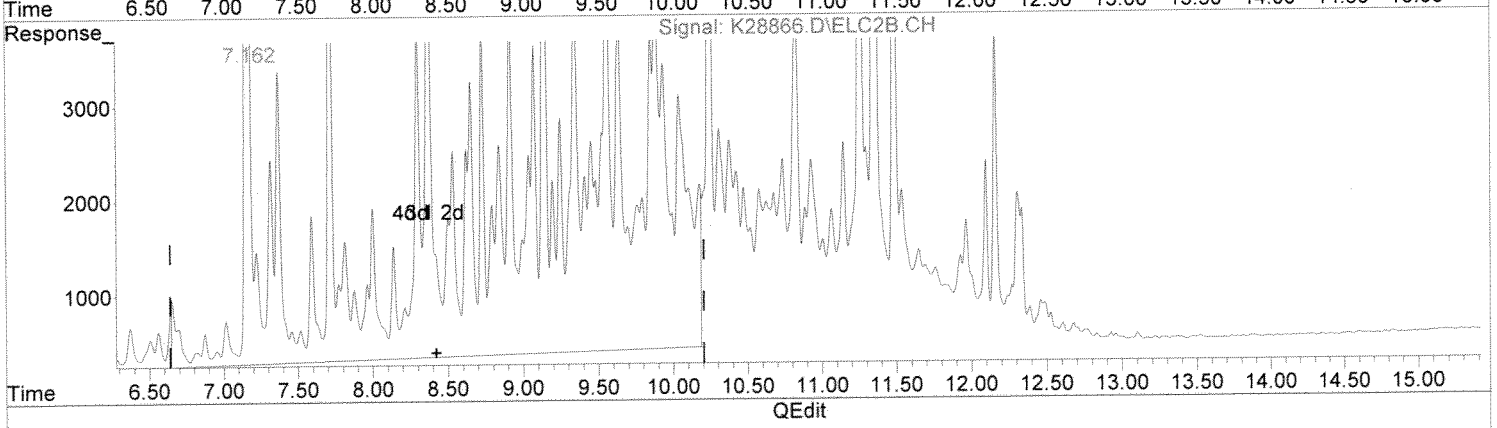
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28866.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:31 pm
Operator : JJL
Sample : 67743-1,2X
Misc : 50,9.63,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 08:43:53 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 352

(16) C9-C10 AROMATICS #2 (XH)
8.424min 252.683ug/L m
response 2980646

JJL 9/14/10

(+) = Expected Retention Time
VPH072210.M Tue Sep 14 08:44:48 2010

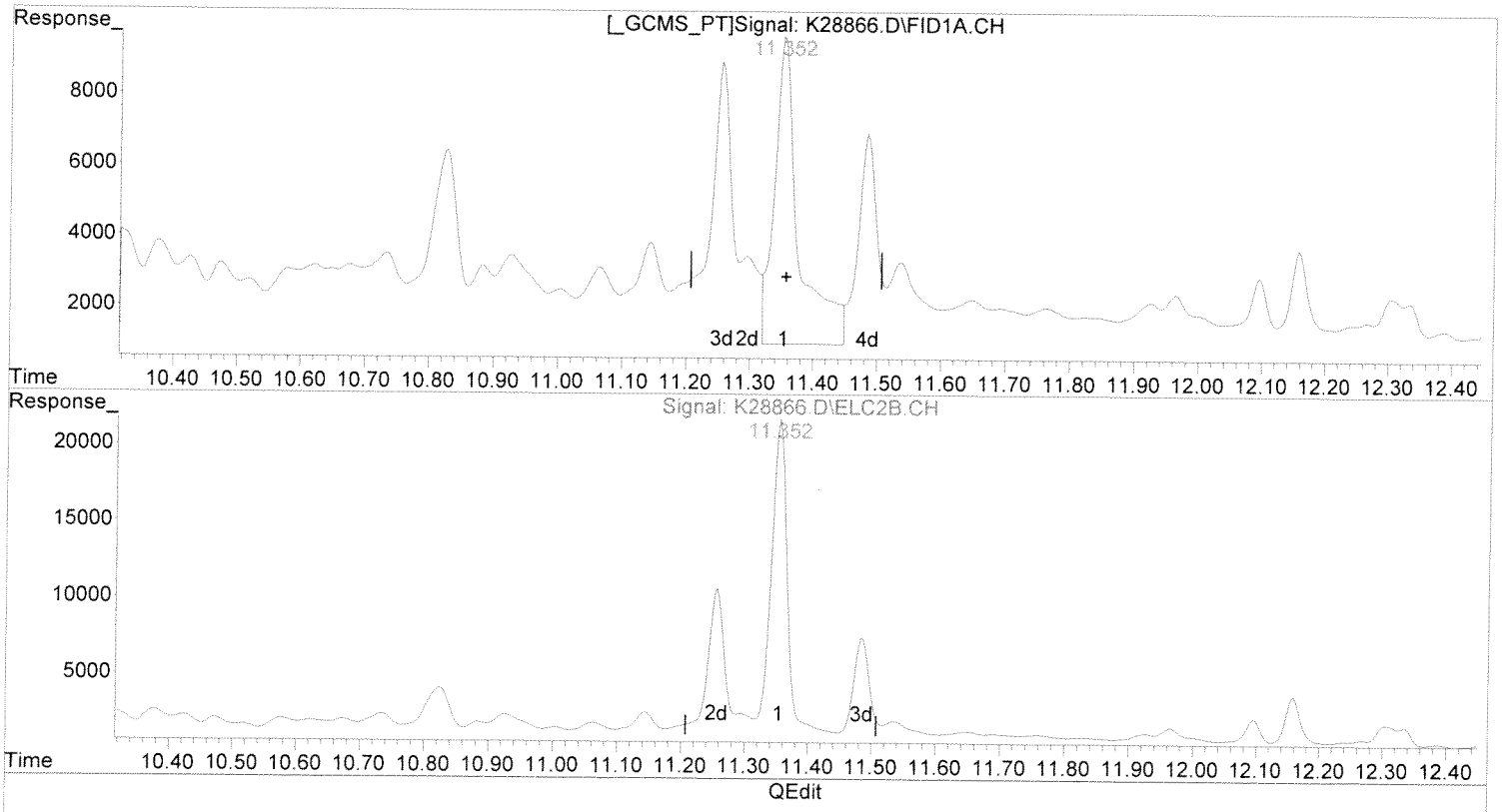
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28866.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:31 pm
Operator : JJL
Sample : 67743-1,2X
Misc : 50,9.63,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 08:43:53 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 9/14/10 + E.A.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,5-Dibromotoluene (S)
11.354min 79.177ug/L
response 232886

(18) 2,5-Dibromotoluene #2 (S)
11.353min 54.189ug/L
response 427708

D9140

(+) = Expected Retention Time

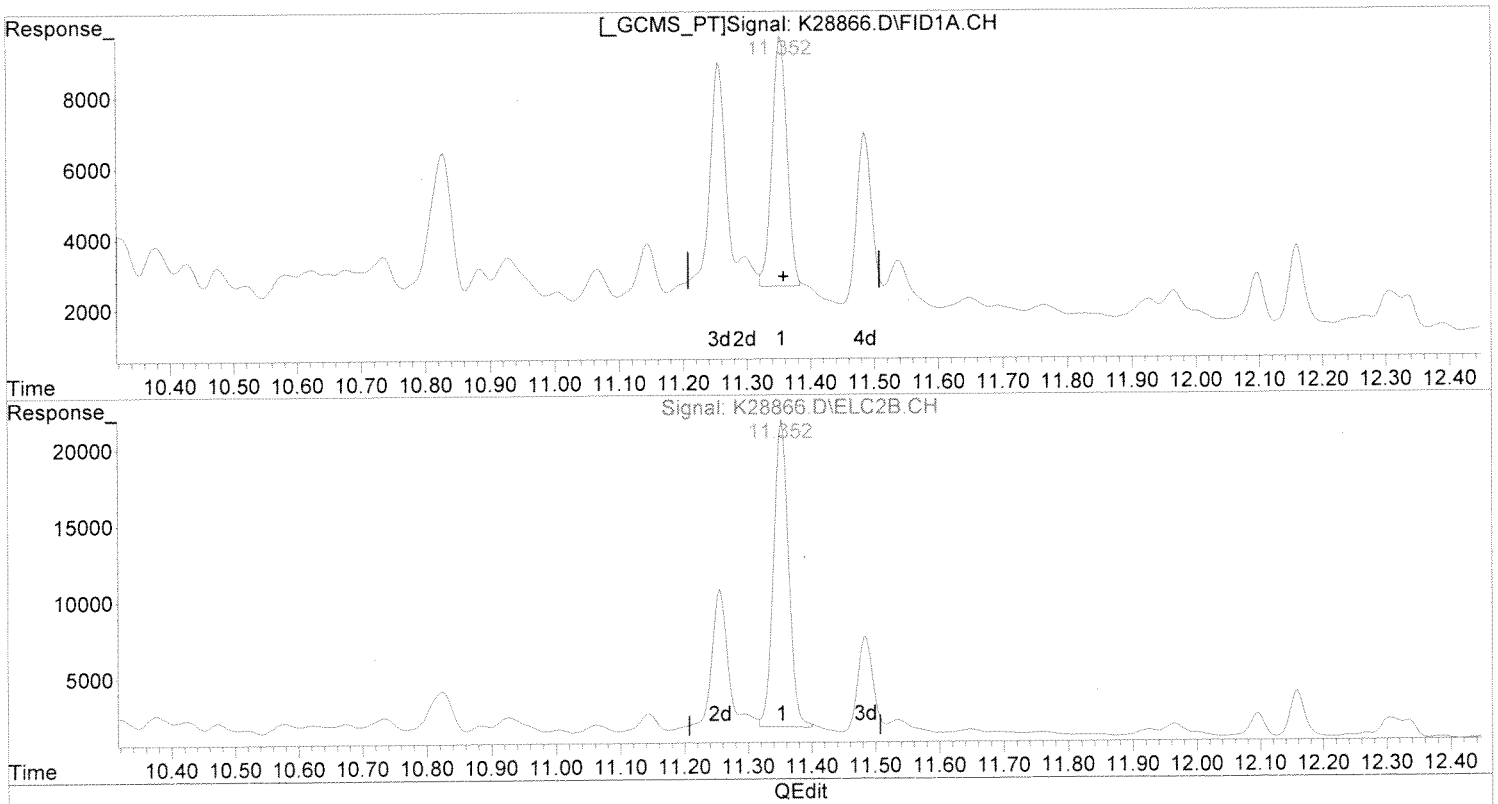
Quantitation Report (QEdit)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28866.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:31 pm
Operator : JJL
Sample : 67743-1,2X
Misc : 50,9.63,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 08:43:53 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,5-Dibromotoluene (S)
11.352min 39.429ug/L m
response 115975

(18) 2,5-Dibromotoluene #2 (S)
11.352min 42.240ug/L m
response 333395

39.4 40

(+) = Expected Retention Time

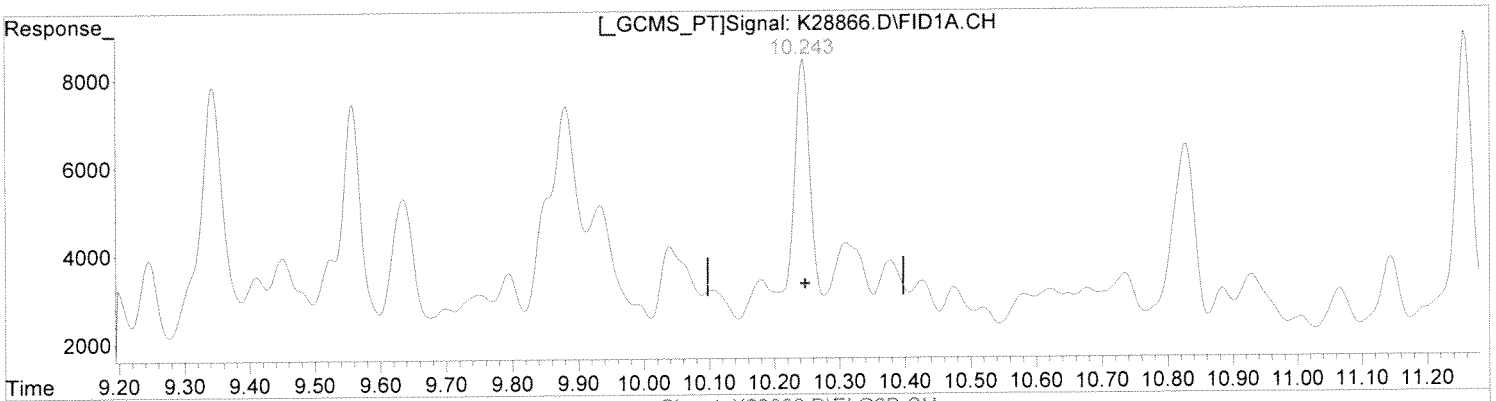
Quantitation Report (Qedit)

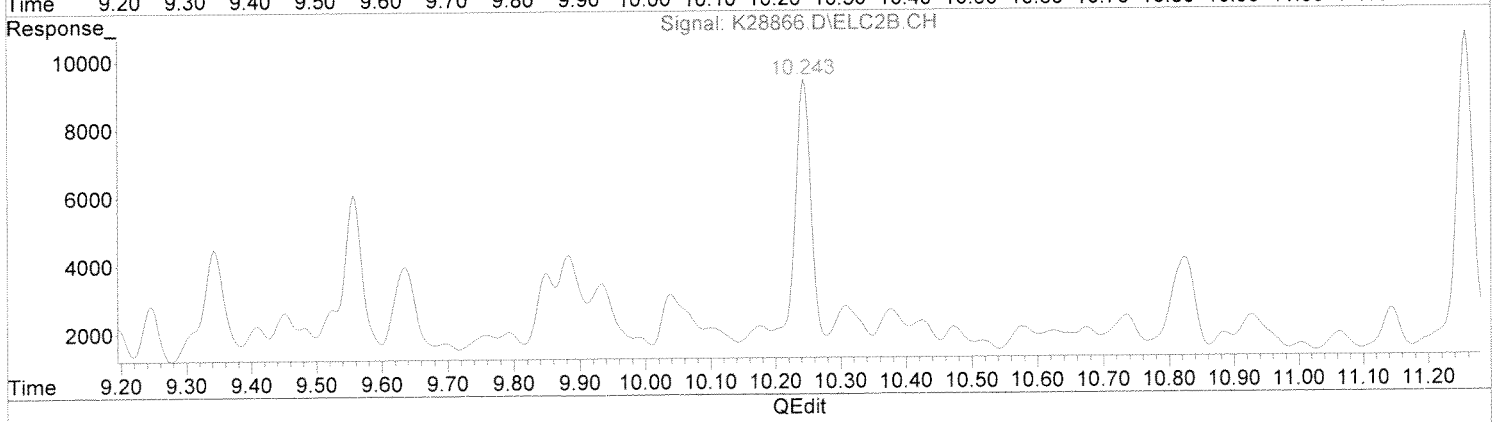
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28866.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:31 pm
Operator : JJL
Sample : 67743-1,2X
Misc : 50,9.63,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 08:45:01 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/14/10 * m.p.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(17) Naphthalene (TM)
10.245min 0.000ug/L
response 169946

(17) Naphthalene #2 (TM)
10.244min 19.218ug/L
response 195882

39940

(+) = Expected Retention Time

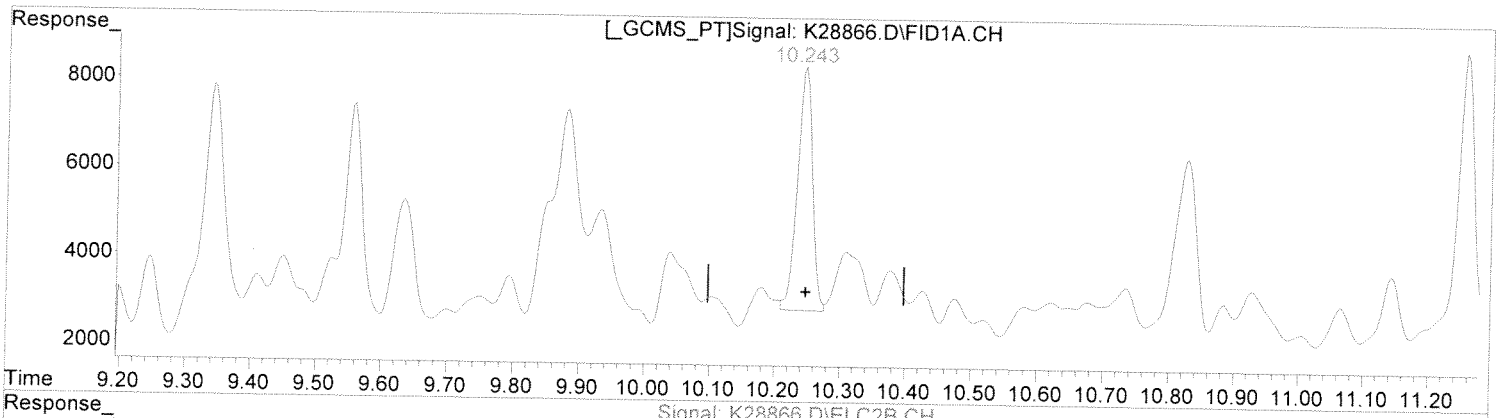
Quantitation Report (Qedit)

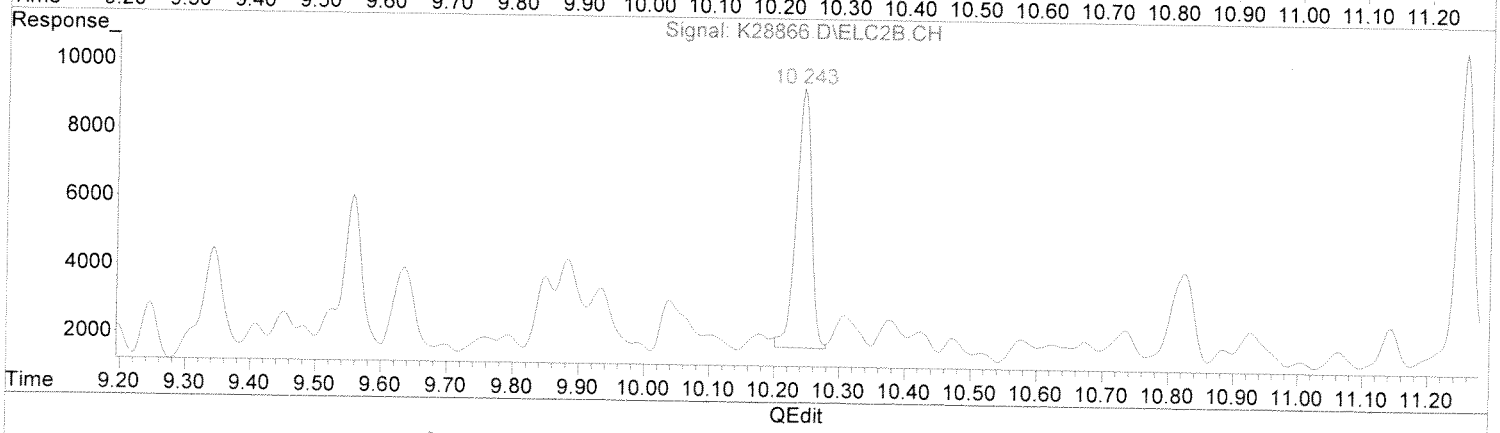
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28866.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:31 pm
Operator : JJL
Sample : 67743-1,2X
Misc : 50,9.63,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 14 08:45:01 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

98 9/14/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(17) Naphthalene (TM)
10.243min 0.000ug/L m
response 88525

(17) Naphthalene #2 (TM)
10.243min 12.183ug/L m
response 124169

JH 9/10

(+) = Expected Retention Time
VPH072210.M Tue Sep 14 09:01:33 2010

VPH
QC FORMS

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67743

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV091310K	87		84	
LSV091310K2	69	*	77	
MBV091310K	78		76	
67743-1,10X	93		102	
67743-1,2X	93		99	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV091310K
Spike: LSV091310K
Spike duplicate: LSV091310K2

86 9/13/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4567	91		4305	86		6	
2-Methylpentane	5000	5000	70	130	25	0	4473	89		4216	84		6	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	5048	101		4711	94		7	
n-Decane	5000	5000	70	130	25	0	4867	97		4399	88		10	
n-Butylcyclohexane	5000	5000	70	130	25	0	4701	94		4220	84		11	
Methyl-t-butylether #2	5000	5000	70	130	25	0	4049	81		3776	76		7	
Benzene #2	5000	5000	70	130	25	0	4433	89		4149	83		7	
Toluene #2	5000	5000	70	130	25	0	4419	88		4149	83		6	
Ethylbenzene #2	5000	5000	70	130	25	0	4285	86		4040	81		6	
m,p-Xylene #2	10000	10000	70	130	25	0	8861	89		8346	83		6	
o-Xylene #2	5000	5000	70	130	25	0	4230	85		3963	79		7	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4290	86		4000	80		7	
Naphthalene #2	5000	5000	70	130	25	0	3805	76		3357	67	*	12	
C5-C8 Aliphatics	15000	15000	70	130	25	0	14089	94		13233	88		6	
C9-C12 Aliphatics	10000	10000	70	130	25	0	9568	96		8619	86		10	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4290	86		4000	80		7	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: ↓ Naphthalene #2 in Spike Dup. Spike OK and RPD OK
C9-C10 Aromatics Range OK.

591310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28858Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 9:47 am
Operator : JJL
Sample : LSV091310K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 10:07:35 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.353	256711	666735	87.277	84.472	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 87.28% 84.47%							
		Target Compounds							
1)	Z	Pentane	1.560	1.560	639144	12927	91.340	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	732271	36007	89.467	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	342940	377626	NoCal	80.974	#
4)	Z	2,2,4-Tri...	3.281	3.280	779163	174072	100.968	NoCal	#
5)	TM	Benzene	3.509	3.508	925305	1153683	NoCal	88.661	#
6)	TM	Toluene	4.881	4.880	916304	1053884	NoCal	88.372	#
7)	XH	C5-C8 ALI...	3.717	0.000	4561218	0	622.722	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	901867	936431	NoCal	85.704	#
10)	TM	m,p-Xylene	6.188	6.188	1847402	2223453	NoCal	177.222	#
11)	TM	o-Xylene	6.558	6.558	927948	946413	NoCal	84.606	#
12)	Z	n-Decane	7.152	7.152	671353	105966	97.345	NoCal	#
13)	Z	n-Butylcy...	7.822	7.821	692045	416082	94.011	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	6507432	0	912.812	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.715	936093	1012186	NoCal	85.808	#
16)	XH	C9-C10 AR...	10.410	8.424	13	1657327	NoCal	140.499	#
17)	TM	Naphthalene	10.245	10.244	581671	775567	NoCal	76.093	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

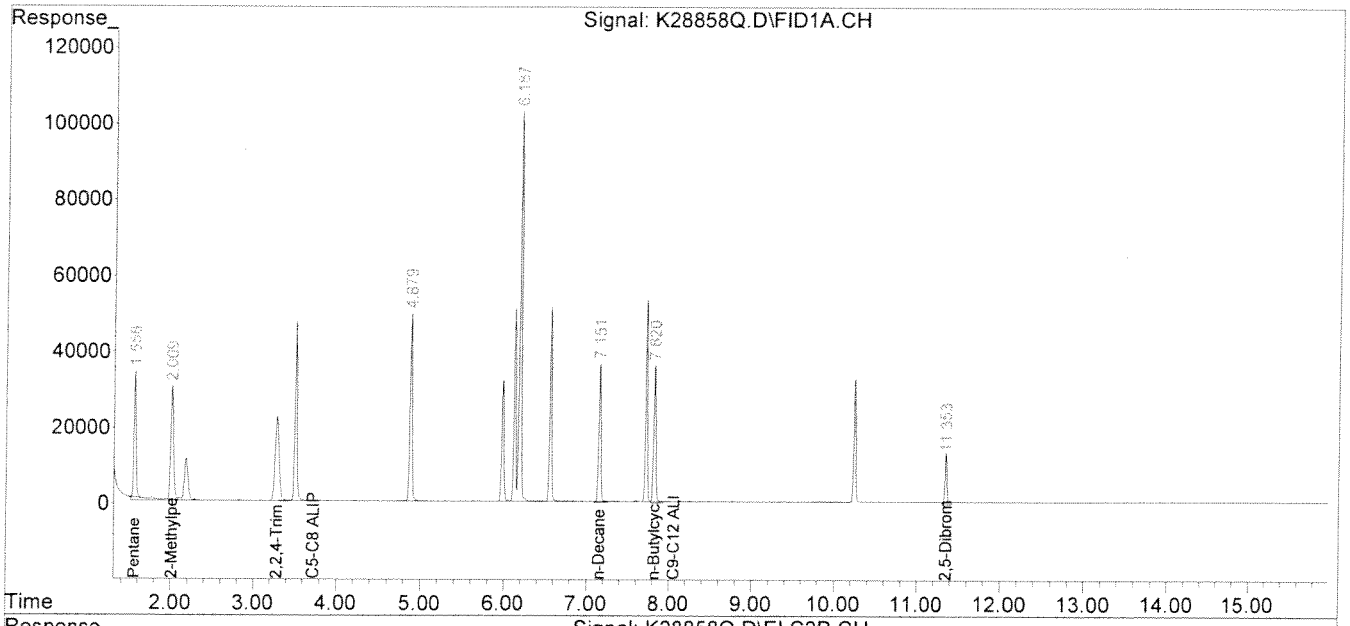
J91310

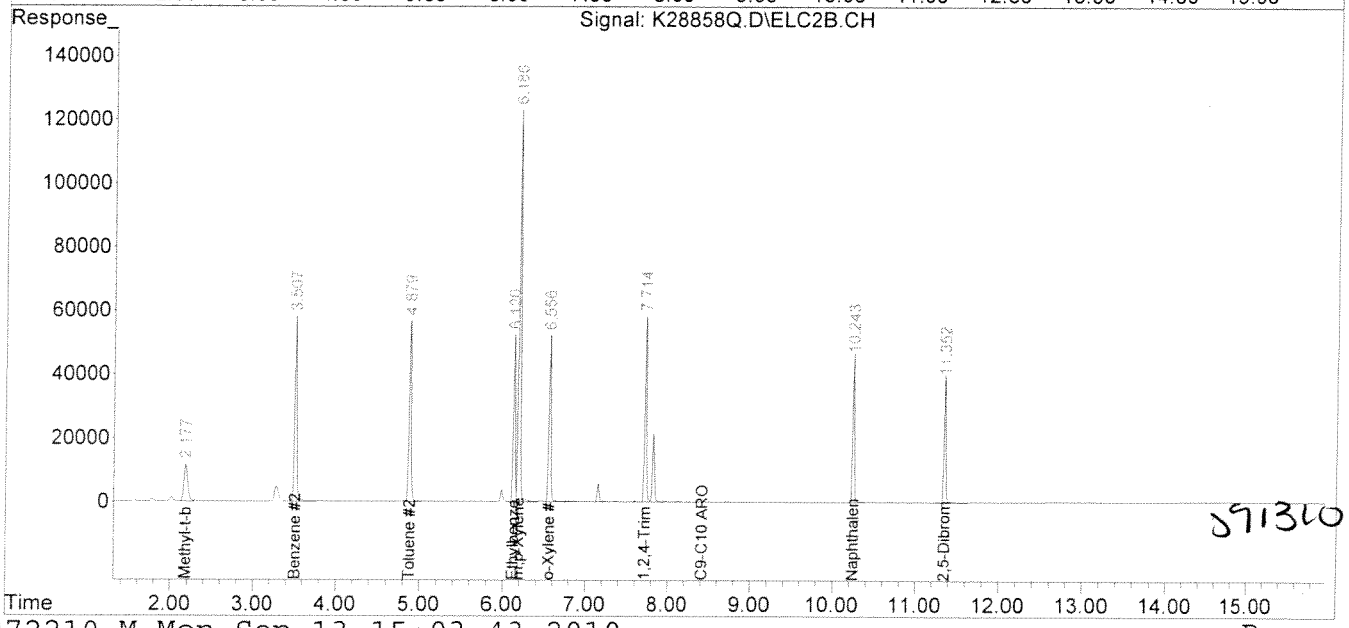
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28858Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 9:47 am
Operator : JJL
Sample : LSV091310K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 10:07:35 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





S71310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28859Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 10:11 am
Operator : JJL
Sample : LSV091310K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 10:28:02 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.353	204034	605937	69.368	76.770	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 69.37%# 76.77%							
		Target Compounds							
1)	Z	Pentane	1.560	1.560	602478	9814	86.100	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	690205	28384	84.328	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	319609	352162	NoCal	75.514	#
4)	Z	2,2,4-Tri...	3.281	3.281	727124	159004	94.225	NoCal	#
5)	TM	Benzene	3.509	3.509	870647	1079725	NoCal	82.978	#
6)	TM	Toluene	4.881	4.881	857151	989602	NoCal	82.981	#
7)	XH	C5-C8 ALI...	3.717	0.000	4296642	0	586.601	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	852033	882870	NoCal	80.802	#
10)	TM	m,p-Xylene	6.188	6.188	1729126	2094121	NoCal	166.914	#
11)	TM	o-Xylene	6.559	6.558	860467	886699	NoCal	79.268	#
12)	Z	n-Decane	7.152	7.152	606705	94950	87.971	NoCal	#
13)	Z	n-Butylcy...	7.822	7.821	621345	378932	84.406	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	6151752	0	862.920	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.715	864489	943692	NoCal	80.001	#
16)	XH	C9-C10 AR...	10.410	8.424	64	1491283	NoCal	126.423	#
17)	TM	Naphthalene	10.244	10.244	470786	684359	NoCal	67.144	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

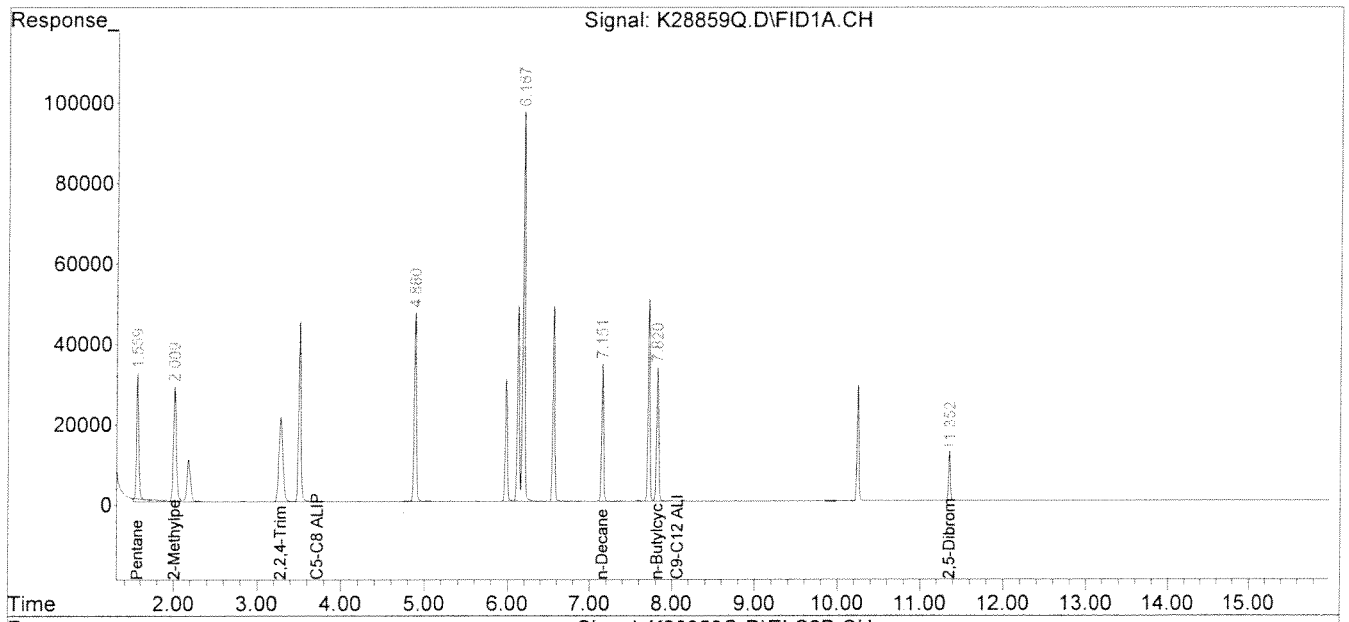
571310

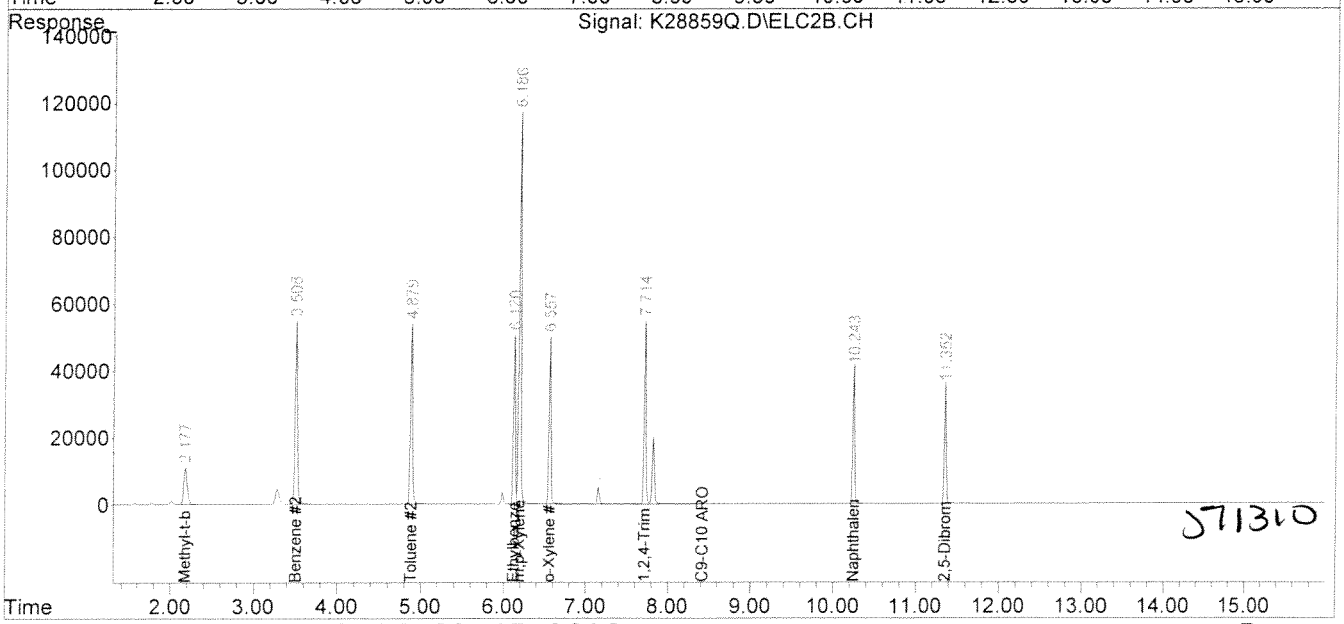
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28859Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 10:11 am
Operator : JJL
Sample : LSV091310K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 10:28:02 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





S71310

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

072210-K

VPH Surrogate: -

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	~~07~~ VPH072210.M	BLK	5ml	–	–		K27978	JJL	n/a
2		VPH 100		200ul	V8896	✓, changed trap + baked	79SC		
3		BLK		–	–		80		
4		VPH 100		200ul	V8896	✓	81SC		
5		LSV072210K	100ml/5ml	5ml	V8899	↑ Pentane, changed sparge tube	82Q		
6		BLK	5ml	–	–		83		
7		LSV072210K.RR	100ml/5ml	5ml	V8899	↑ Pentane, Recal	84Q		
8		BLK	5ml	–	–	co concern	85		
9		VPH 1		2ul	V8910	✓	86SI		
10		VPH 2		4ul		✓	87SI		
11		VPH 5		10ul		✓	88SI		
12		VPH 20		40ul		✓	89SI		
13		VPH 50		100ul		✓	90SI		
14		VPH 100		200ul		✓	91SI		
15		VPH 200		400ul		✓	92SI		
16		BLK		–	–	co concern	93		
17		VPH 500		1ml	V8910	✓	94SI		
18		BLK		–	–	co concern	95		
19		LV072210K, ICV		100ul	V8998	✓	96Q		
20		VPH 100		200ul	V8910	✓ Test theory on instr.	97		

gg 7/23/10

Analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: [illegible]

Unload: [illegible]

091310-K

VPH Surrogate: (1) V8999 x. 3/1/11 (2) V8996 x 9/30/10

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	VPH072210.m	BLK	5mL	–	–		K28856	JJL	n/a
2		VPH 100	⊥	200uL	V9000	✓	57SC		
3		LSV091310K	100uL/5mL	5uL	V8997	✓	58Q		
4		LSV091310K2	⊥	⊥	⊥	✓ Naphthalene, C9-C10 OK	59Q		
5		BLK	5mL	–	–		60		
6		MBV091310K	100uL/5mL	10uL	V8999	✓	61B		
7		67722-5	⊥	86uL	V8996	✓ T.B.	62		
8		⊥ -1, 10X	10uL/5mL	10uL	(1)	✓ 8:22	63		
9		67743-1, 10X	⊥	⊥	⊥	RR 2X 9:63	64		
10		67722-3, 50X	2uL/5mL	⊥	⊥	✓ 10:12	65		
11		67743-1, 2X	50uL/5mL	⊥	⊥	✓	66		
12		VPH 100	5mL	200uL	V9000	✓	67SC		
13		LV091310K	⊥	100uL	V9009	✓	68Q		
14		BLK	⊥	–	–		69		
15		BV091310K	⊥	86uL	V8996	✓	70B		
16		67731-1	⊥	⊥	(2)	RR 10X	71		L2
17		⊥ -2	⊥	⊥	⊥	✓	72		L2
18		⊥ -3	⊥	⊥	⊥	RR	73		L2
19		BLK	⊥	–	⊥	CO concern	74		n/a
20		LSV091310K3	100uL/5mL	5uL	V8997	✓	75Q		
21		LSV091310K4	⊥	⊥	⊥	✓	76Q		
22		BLK	5mL	–	–		77		
23		MBV091310K2	100uL/5mL	10uL	V8999	✓	78B		
24		67722-2, MS, 50X	2uL/5mL	5uL	V8997	several failures, few hits	79SP		
25		⊥ -2, MSD, 50X	⊥	⊥	⊥	for RPD, needs to run @ 20X	80SP		
26		VPH 100	5mL	200uL	V9000	✓	81SC		
27		VPH 100	⊥	⊥	⊥	✓	82SC		

[illegible] 9/14/10

Response Factor Report MT GISSON

Method Path : C:\msdchem\1\METHODS\
Method File : VPH072210.M
Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
Last Update : Fri Jul 23 15:04:23 2010
Response Via : Initial Calibration

Calibration Files
2 =K27987SI.D 5 =K27988SI.D 20 =K27989SI.D
50 =K27990SI.D 0.5 =K25795SI.D 100 =K27991SI.D

SB 7/26/10

		Compound	2	5	20	50	0.5	100	Avg		%RSD
1)	ZM	Pentane	6.623	6.311	7.147	7.202		7.570	6.997	E3	6.67
2)	ZM	2-Methylpentane	8.536	7.466	8.207	8.247		8.690	8.185	E3	5.68
3)	T	Methyl-t-buty...							0.000		-1.00
4)	ZM	2,2,4-Trimeth...	8.216	7.647	8.896	8.375		7.993	7.717	E3	12.43
5)	T	Benzene							0.000		-1.00
6)	T	Toluene							0.000		-1.00
7)	XH	C5-C8 ALIPHATICS	7.792	7.141	8.083	7.941		8.084	7.325	E3	12.19
8)		n-Nonane							0.000		-1.00
9)	T	Ethylbenzene							0.000		-1.00
10)	T	m,p-Xylene							0.000		-1.00
11)	T	o-Xylene							0.000		-1.00
12)	ZM	n-Decane	6.039	4.950	5.191	5.579		7.997	6.897	E3	23.76
13)	ZM	n-Butylcycloh...	6.357	6.435	6.593	6.777		8.029	7.361	E3	16.80
14)	XH	C9-C12 ALIPHA...	6.198	5.693	5.892	6.178		8.013	7.129	E3	19.33
15)	Z	1,2,4-Trimeth...							0.000		-1.00
16)	XH	C9-C10 AROMATICS							0.000		-1.00
17)	T	Naphthalene							0.000		-1.00
18)	S	2,5-Dibromoto...	3.791	2.742	2.584	2.712		2.859	2.941	E3	13.62

Signal #2 Calibration Files
2 =K27987SI.D 5 =K27988SI.D 20 =K27989SI.D
50 =K27990SI.D 0.5 =K25795SI.D 100 =K27991SI.D

MT 7/26/10

		Compound	2	5	20	50	0.5	100	Avg		%RSD
1)	Z	Pentane							0.000		-1.00
2)	Z	2-Methylpentane							0.000		-1.00
3)	TM	Methyl-t-buty...	5.373	4.158	4.484	4.526		4.479	4.664	E3	12.22
4)	Z	2,2,4-Trimeth...							0.000		-1.00
5)	TM	Benzene	1.280	1.265	1.309	1.312		1.321	1.301	E4	1.56
6)	TM	Toluene	1.248	1.135	1.190	1.197		1.223	1.193	E4	3.83
7)	XH	C5-C8 ALIPHATICS							0.000		-1.00
8)		n-Nonane							0.000		-1.00
9)	TM	Ethylbenzene	1.177	0.993	1.048	1.061		1.087	1.093	E4	6.11
10)	TM	m,p-Xylene	1.224	1.143	1.234	1.248		1.283	1.255	E4	5.18
11)	TM	o-Xylene	1.143	0.990	1.048	1.062		1.083	1.119	E4	12.52
12)	Z	n-Decane							0.000		-1.00
13)	Z	n-Butylcycloh...							0.000		-1.00
14)	XH	C9-C12 ALIPHA...							0.000		-1.00
15)	ZM	1,2,4-Trimeth...	1.101	0.986	1.065	1.097		1.136	1.180	E4	20.03
16)	XH	C9-C10 AROMATICS	1.101	0.986	1.065	1.097		1.136	1.180	E4	20.03
17)	TM	Naphthalene	1.007	0.881	0.939	0.971		0.997	1.019	E4	14.63
18)	S	2,5-Dibromoto...	8.562	6.808	7.149	7.585		8.153	7.893	E3	9.31

(#) = Out of Range ### Number of calibration levels exceeded format ###

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27986SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:32 pm
Operator : JJL
Sample : VPH 1 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

vmt 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.356	11.355	4554	12231	1.904	1.793
Spiked Amount		100.000	Range	70 - 130	Recovery	=	1.90%# 1.79%#
	Target Compounds						
1) Z	Pentane	1.559	1.562	4137	657	0.860	NoCal #
2) Z	2-Methylp...	2.008	2.005	6649	1753	0.960	NoCal #
3) TM	Methyl-t-...	2.181	2.179	5383	5724	NoCal	1.331 #
4) Z	2,2,4-Tri...	3.278	3.290	6186	1603	0.933	NoCal #
5) TM	Benzene	3.509	3.509	10306	12912	NoCal	0.976 #
6) TM	Toluene	4.881	4.881	11637	11146	NoCal	0.911 #
7) XH	C5-C8 ALI...	3.717	0.000	105864	0	17.864	N.D. #
9) TM	Ethylbenzene	6.122	6.121	10665	11978	NoCal	1.131 #
10) TM	m,p-Xylene	6.188	6.187	19542	27513	NoCal	2.221 #
11) TM	o-Xylene	6.559	6.558	11046	14480	NoCal	1.353 #
12) Z	n-Decane	7.153	7.154	7705	7492	1.316	NoCal #
13) Z	n-Butylcy...	7.823	7.821	6464	9529	1.010	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	146965	0	23.983	N.D. #
15) ZM	1,2,4-Tri...	7.715	7.715	12192	17478	NoCal	1.643 #
16) XH	C9-C10 AR...	10.410	8.424	7	261207	NoCal	24.557 #
17) TM	Naphthalene	10.246	10.246	7968	13733	NoCal	1.637 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

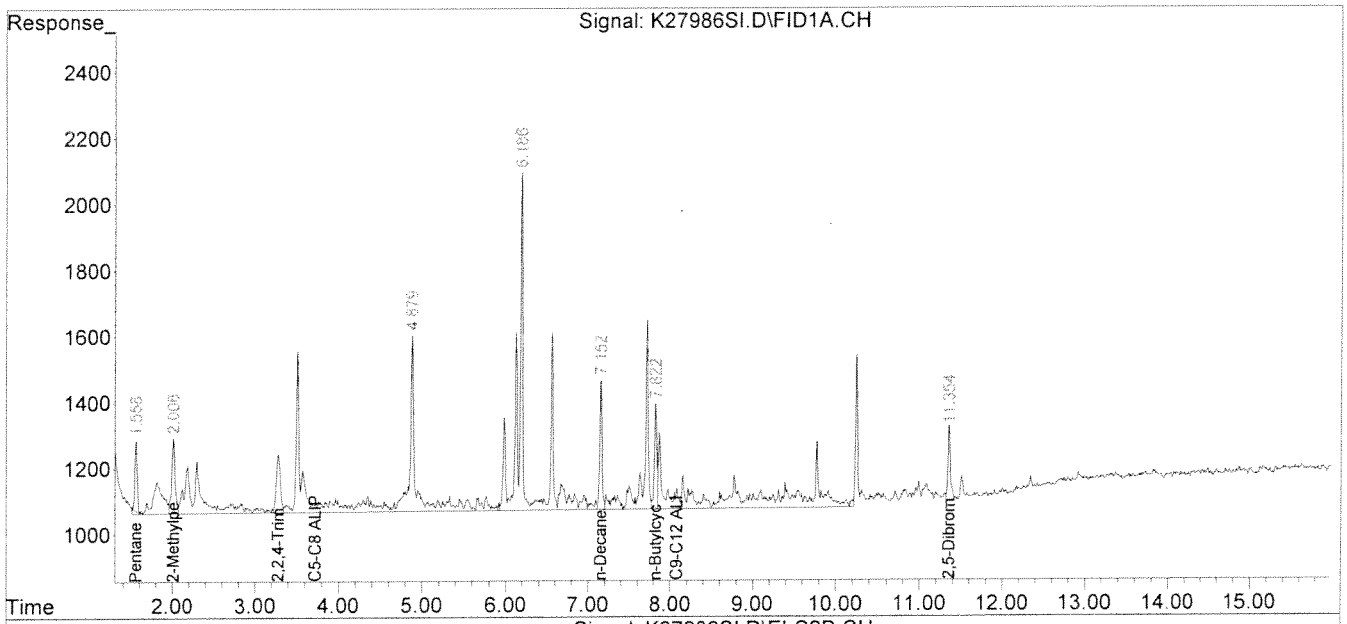
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27986SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:32 pm
Operator : JJL
Sample : VPH 1 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

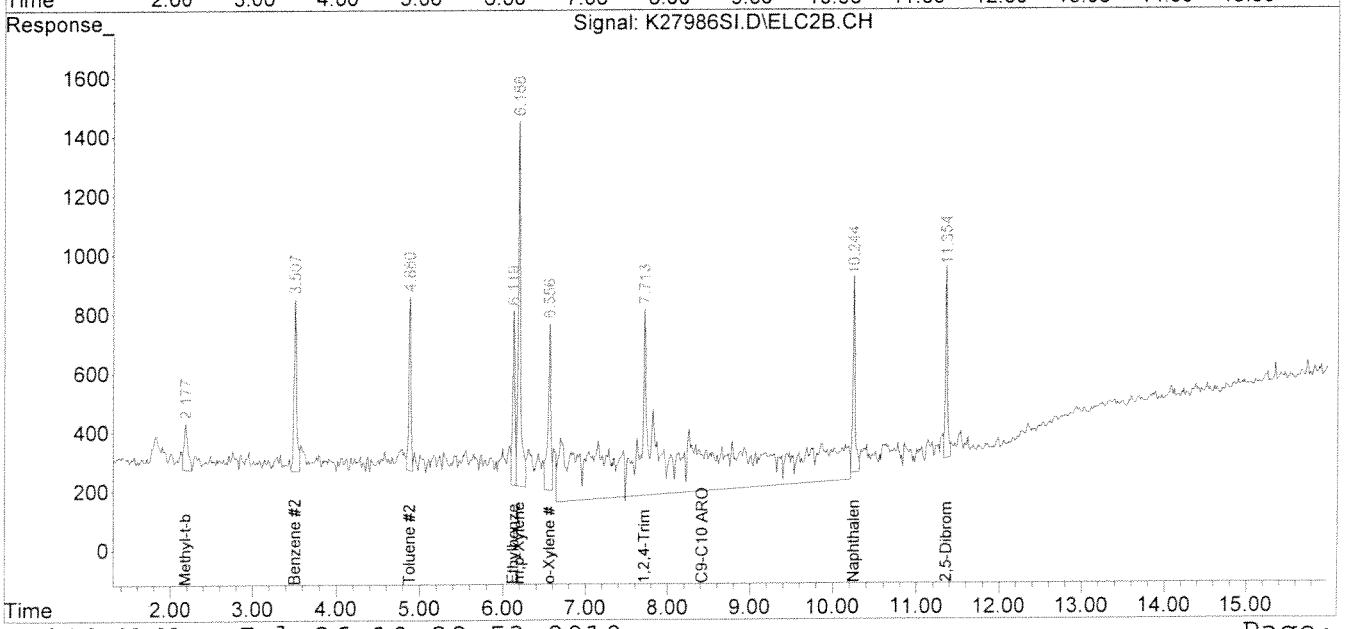
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27987SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:57 pm
Operator : JJL
Sample : VPH 2 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.355	7582	17124	3.170	2.511	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 3.17%# 2.51%#							
		Target Compounds							
1)	Z	Pentane	1.559	1.576	13246	196	2.755	NoCal	#
2)	Z	2-Methylp...	2.009	1.998	17073	1007	2.465	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	9810	10745	NoCal	2.499	#
4)	Z	2,2,4-Tri...	3.278	3.279	16432	3496	2.477	NoCal	#
5)	TM	Benzene	3.510	3.509	21209	25596	NoCal	1.934	#
6)	TM	Toluene	4.881	4.881	22868	24969	NoCal	2.041	#
7)	XH	C5-C8 ALI...	3.717	0.000	155766	0	26.285	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	22182	23546	NoCal	2.223	#
10)	TM	m,p-Xylene	6.188	6.187	42752	48976	NoCal	3.953	#
11)	TM	o-Xylene	6.559	6.558	22078	22865	NoCal	2.136	#
12)	Z	n-Decane	7.152	7.154	12077	2628	2.062	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	12714	7463	1.987	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	195953	0	31.978	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	21313	22012	NoCal	2.069	#
16)	XH	C9-C10 AR...	10.410	8.424	17	86037	NoCal	8.089	#
17)	TM	Naphthalene	10.246	10.246	13937	20141	NoCal	2.402	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

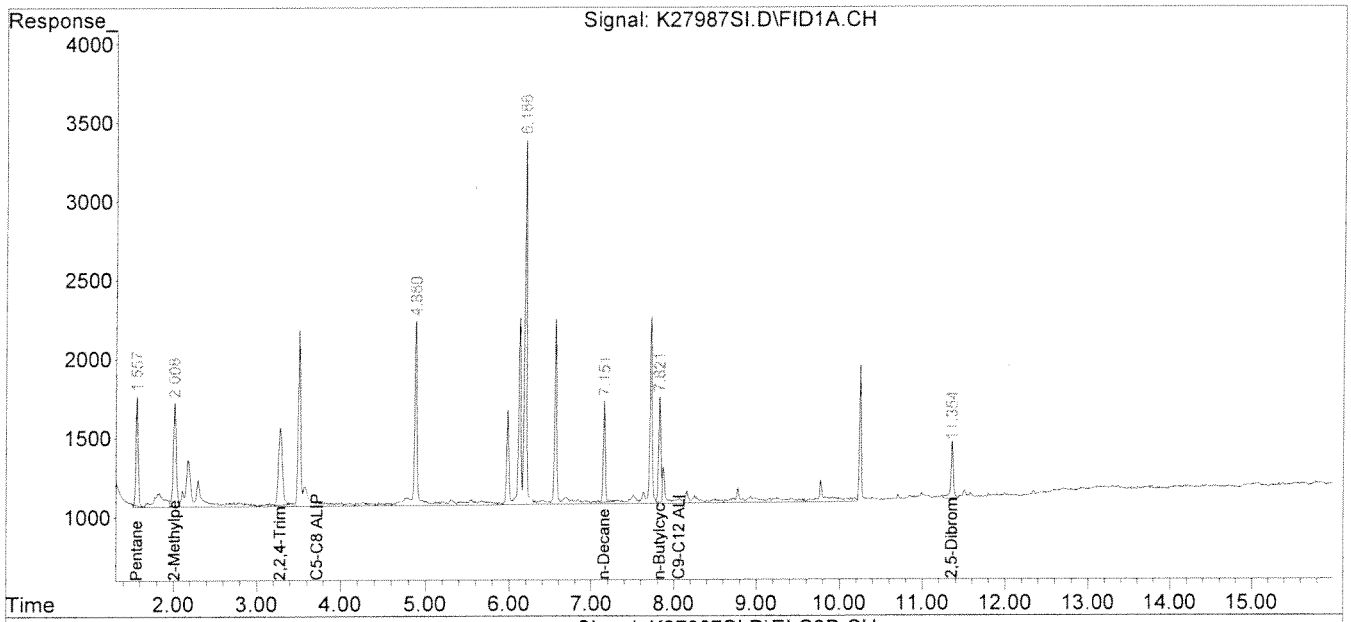
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27987SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:57 pm
Operator : JJL
Sample : VPH 2 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

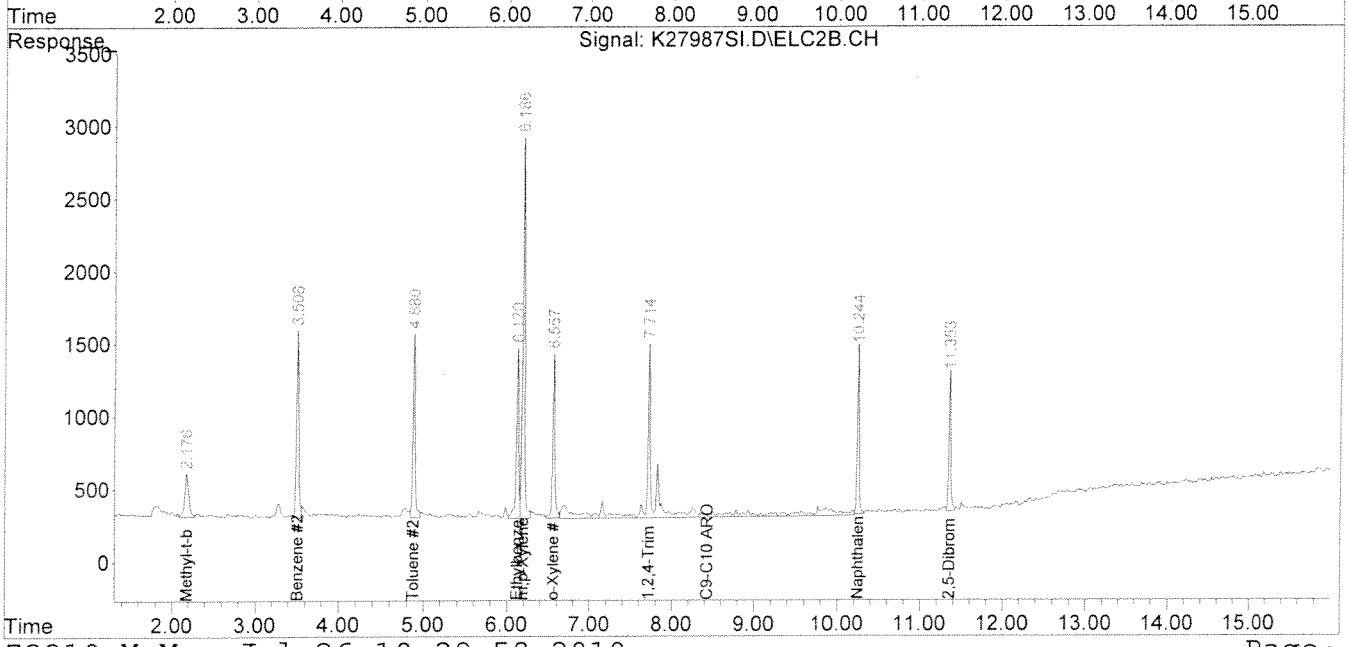
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27988SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:21 pm
Operator : JJL
Sample : VPH 5 UG/L
Misc : 5000
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

MTT 7/26/10

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	13711	34040	5.732	4.991	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	5.73%#	4.99%#
		Target Compounds							
1)	Z	Pentane	1.559	1.560	31554	800	6.563	NoCal	#
2)	Z	2-Methylp...	2.009	2.013	37332	935	5.389	NoCal	#
3)	TM	Methyl-t-...	2.178	2.177	21475	20790	NoCal	4.835	#
4)	Z	2,2,4-Tri...	3.278	3.278	38234	8636	5.764	NoCal	#
5)	TM	Benzene	3.509	3.509	49820	63236	NoCal	4.778	#
6)	TM	Toluene	4.881	4.881	51479	56741	NoCal	4.637	#
7)	XH	C5-C8 ALI...	3.717	0.000	284049	0	47.932	N.D.	#
9)	TM	Ethylbenzene	6.122	6.122	49284	49672	NoCal	4.690	#
10)	TM	m,p-Xylene	6.188	6.187	97868	114256	NoCal	9.222	#
11)	TM	o-Xylene	6.559	6.558	49457	49516	NoCal	4.627	#
12)	Z	n-Decane	7.152	7.152	24751	4594	4.226	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	32177	18542	5.028	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	377560	0	61.614	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	47838	49294	NoCal	4.634	#
16)	XH	C9-C10 AR...	10.410	8.424	21	117184	NoCal	11.017	#
17)	TM	Naphthalene	10.246	10.245	31659	44071	NoCal	5.255	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

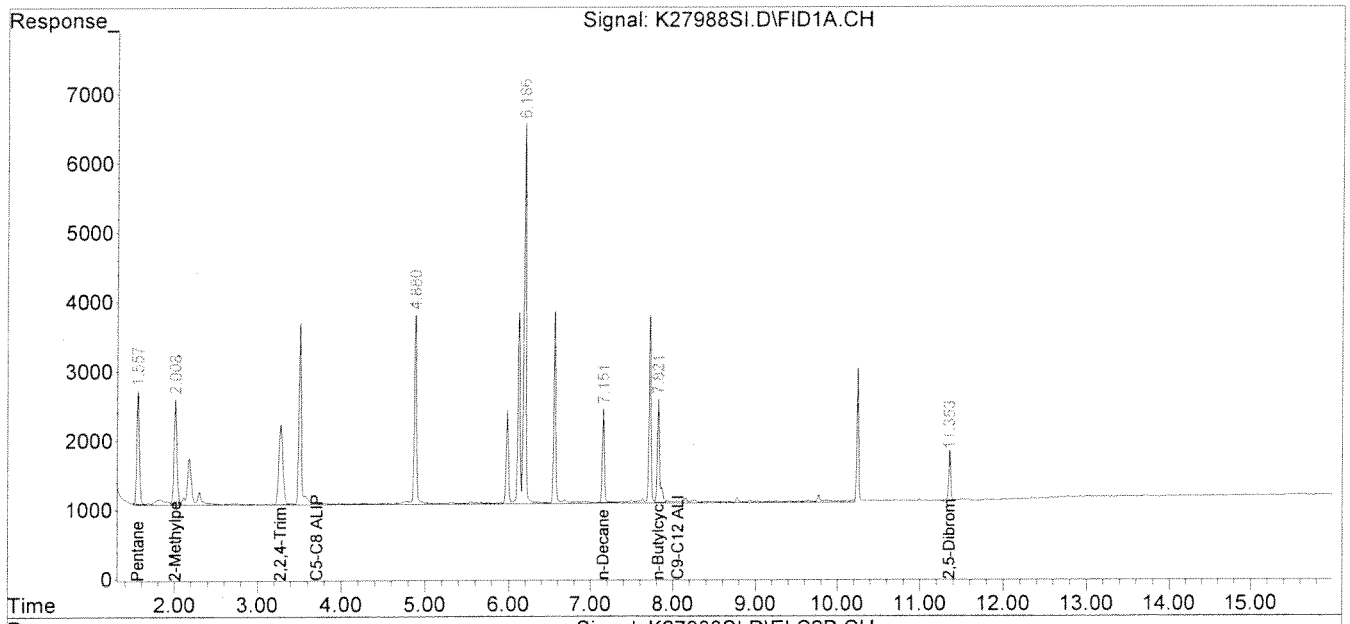
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27988SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:21 pm
Operator : JJL
Sample : VPH 5 UG/L
Misc : 5000
ALS Vial : 11 Sample Multiplier: 1

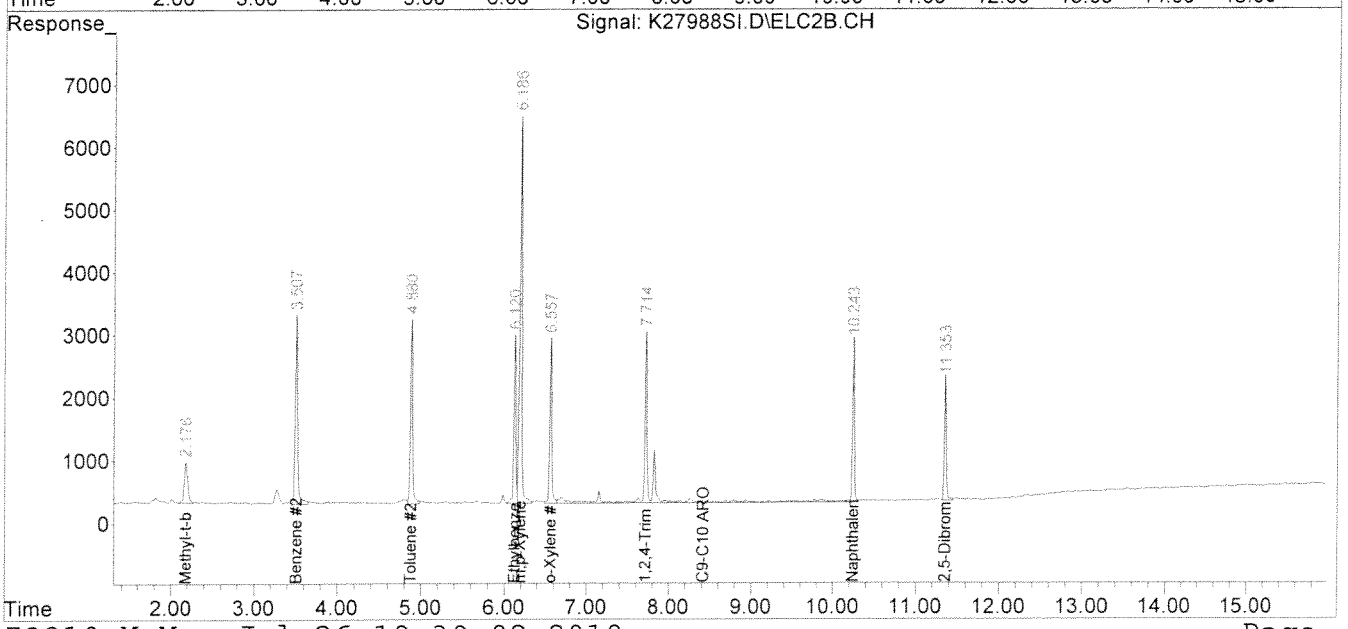
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27989SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:46 pm
Operator : JJL
Sample : VPH 20 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 7/26/10

JMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18)	S 2,5-Dibro...	11.354	11.354	51672	142985	21.603	20.965
	Spiked Amount 100.000 Range 70 - 130 Recovery = 21.60%# 20.97%#						
	Target Compounds						
1)	Z Pentane	1.558	1.560	142930	1914	29.727	NoCal #
2)	Z 2-Methylp...	2.009	2.009	164135	6953	23.695	NoCal #
3)	TM Methyl-t-...	2.177	2.177	86452	89681	NoCal	20.858 #
4)	Z 2,2,4-Tri...	3.279	3.279	177924	37078	26.823	NoCal #
5)	TM Benzene	3.509	3.508	224880	261797	NoCal	19.781 #
6)	TM Toluene	4.881	4.881	219703	238095	NoCal	19.458 #
7)	XH C5-C8 ALI...	3.717	0.000	1082237	0	182.622	N.D. #
9)	TM Ethylbenzene	6.122	6.121	214077	209568	NoCal	19.787 #
10)	TM m,p-Xylene	6.188	6.187	432228	493591	NoCal	39.840 #
11)	TM o-Xylene	6.559	6.558	216641	209641	NoCal	19.588 #
12)	Z n-Decane	7.152	7.152	103821	15722	17.728	NoCal #
13)	Z n-Butylcy...	7.822	7.821	131857	75965	20.605	NoCal #
14)	XH C9-C12 AL...	8.070	0.000	1472392	0	240.281	N.D. #
15)	ZM 1,2,4-Tri...	7.716	7.715	208184	213051	NoCal	20.030 #
16)	XH C9-C10 AR...	10.410	8.424	15	359365	NoCal	33.786 #
17)	TM Naphthalene	10.245	10.245	135712	187732	NoCal	22.384 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

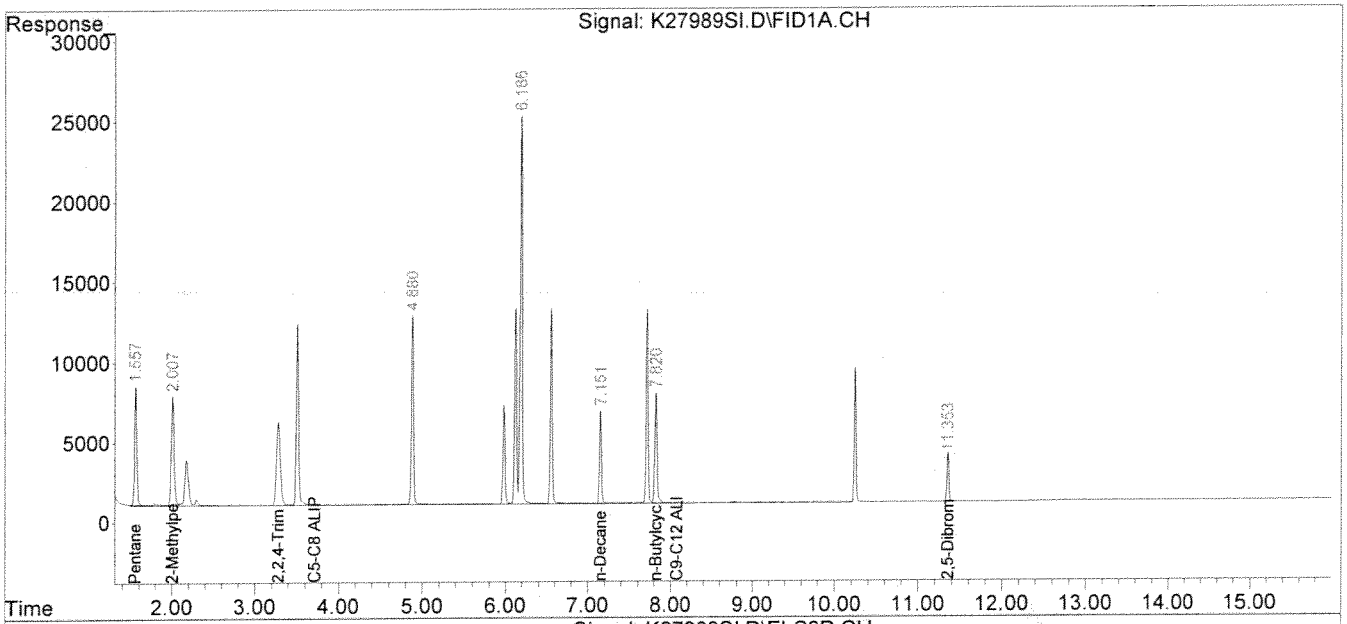
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27989SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:46 pm
Operator : JJL
Sample : VPH 20 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

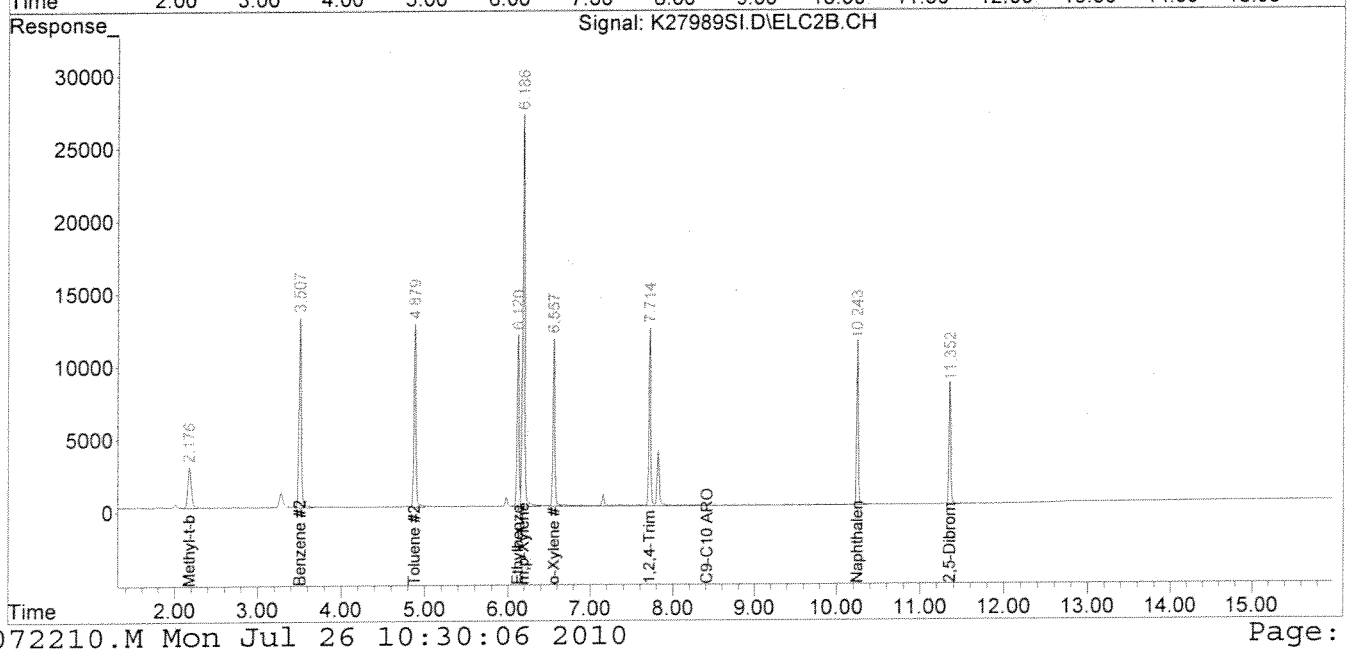
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

JMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27990SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:11 pm
Operator : JJL
Sample : VPH 50 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10
VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.355	11.354	135586	379266	56.686	55.609
Spiked Amount		100.000	Range	70 - 130	Recovery	=	56.69%# 55.61%#
	Target Compounds						
1) Z	Pentane	1.559	1.559	360111	5164	74.896	NoCal #
2) Z	2-Methylp...	2.009	2.009	412339	16154	59.526	NoCal #
3) TM	Methyl-t-...	2.177	2.177	219837	226301	NoCal	52.632 #
4) Z	2,2,4-Tri...	3.280	3.280	418763	84499	63.131	NoCal #
5) TM	Benzene	3.509	3.509	555846	656084	NoCal	49.572 #
6) TM	Toluene	4.881	4.881	551311	598686	NoCal	48.928 #
7) XH	C5-C8 ALI...	3.717	0.000	2615450	0	441.343	N.D. #
9) TM	Ethylbenzene	6.122	6.121	541215	530358	NoCal	50.076 #
10) TM	m,p-Xylene	6.188	6.188	1097619	1247921	NoCal	100.725 #
11) TM	o-Xylene	6.559	6.558	547299	530782	NoCal	49.594 #
12) Z	n-Decane	7.152	7.152	278934	40496	47.630	NoCal #
13) Z	n-Butylcy...	7.822	7.821	338833	193986	52.948	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	3696091	0	603.168	N.D. #
15) ZM	1,2,4-Tri...	7.716	7.715	533627	548257	NoCal	51.544 #
16) XH	C9-C10 AR...	10.410	8.424	54	849808	NoCal	79.895 #
17) TM	Naphthalene	10.245	10.245	353200	485287	NoCal	57.862 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

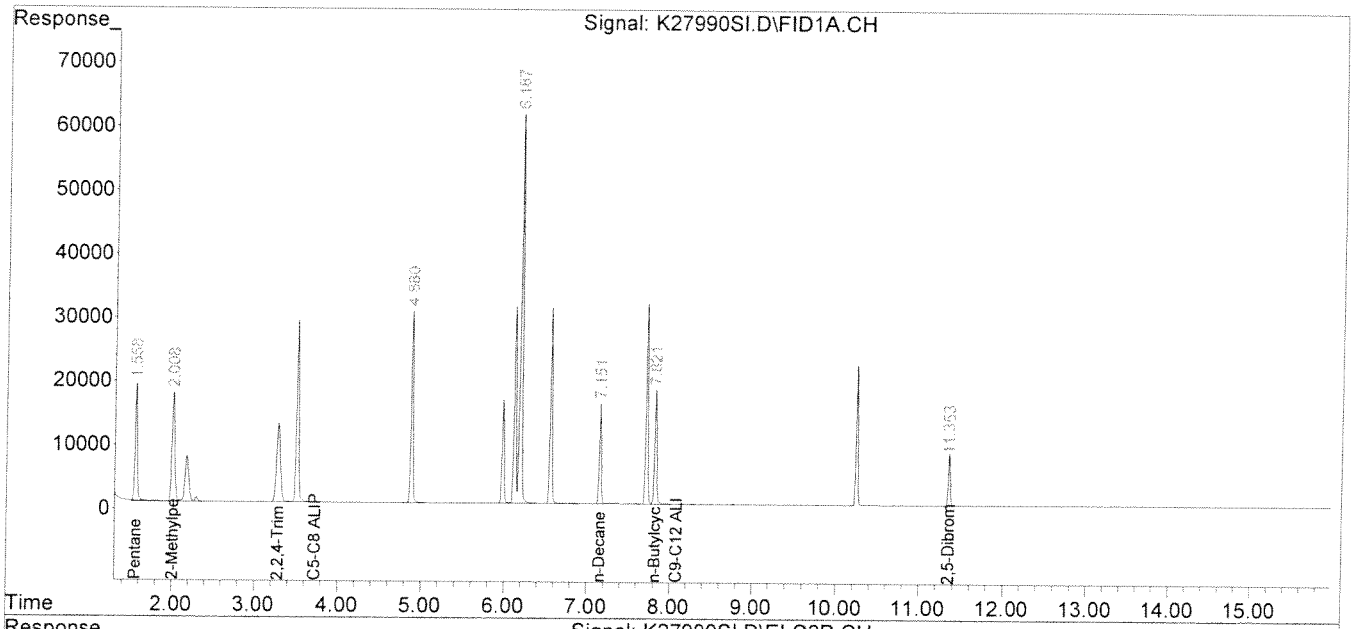
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27990SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:11 pm
Operator : JJL
Sample : VPH 50 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

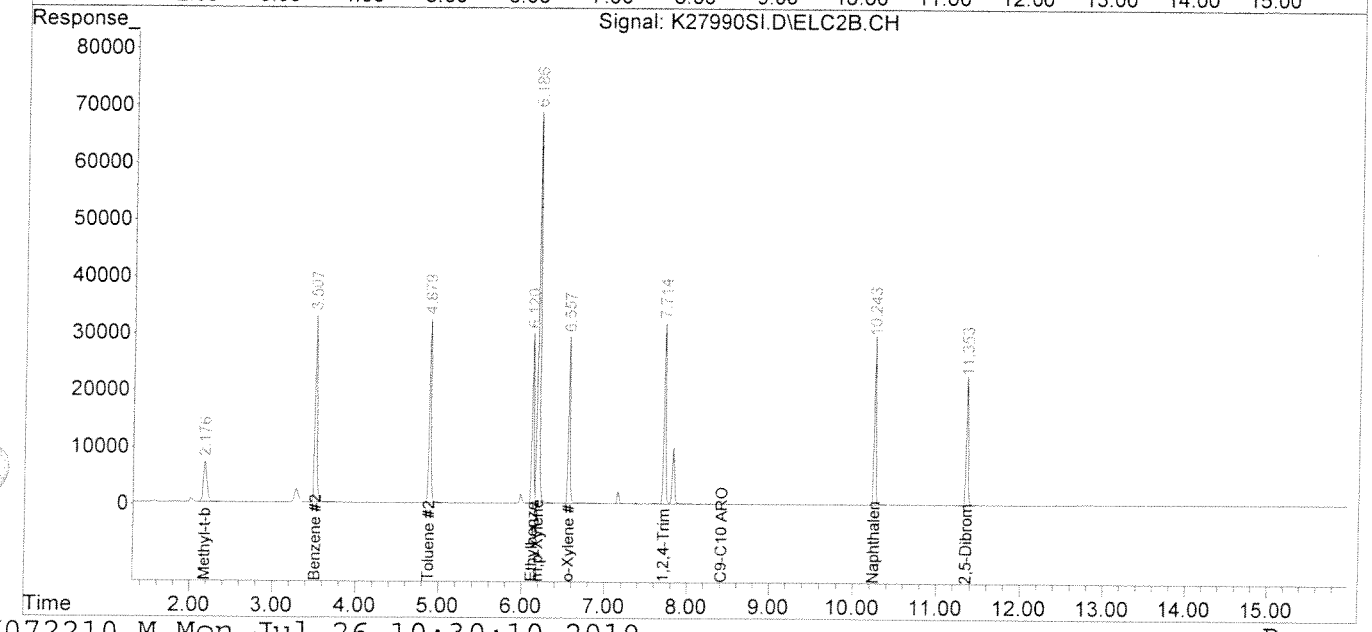
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27991SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:36 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:12:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	285904	815340	97.202	103.300	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 97.20% 103.30%							
		Target Compounds							
1)	Z	Pentane	1.559	1.559	757038	9686	108.188	NoCal	#
2)	Z	2-Methylp...	2.009	2.009	868989	32171	106.171	NoCal	#
3)	TM	Methyl-t-...	2.178	2.177	438527	447939	NoCal	96.052	#
4)	Z	2,2,4-Tri...	3.280	3.280	799271	162150	103.574	NoCal	#
5)	TM	Benzene	3.510	3.509	1127517	1320966	NoCal	101.517	#
6)	TM	Toluene	4.882	4.881	1117393	1223183	NoCal	102.568	#
7)	XH	C5-C8 ALI...	3.717	0.000	5246542	0	716.286	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1106103	1087175	NoCal	99.501	#
10)	TM	m,p-Xylene	6.190	6.189	2249248	2565975	NoCal	204.524	#
11)	TM	o-Xylene	6.560	6.559	1115798	1082680	NoCal	96.788	#
12)	Z	n-Decane	7.153	7.153	799691	117574	115.954	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	802941	461864	109.075	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7979371	0	1119.285	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.716	1100720	1135642	NoCal	96.274	#
16)	XH	C9-C10 AR...	10.410	8.424	20	1807342	NoCal	153.217	#
17)	TM	Naphthalene	10.246	10.245	721604	997055	NoCal	97.824	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

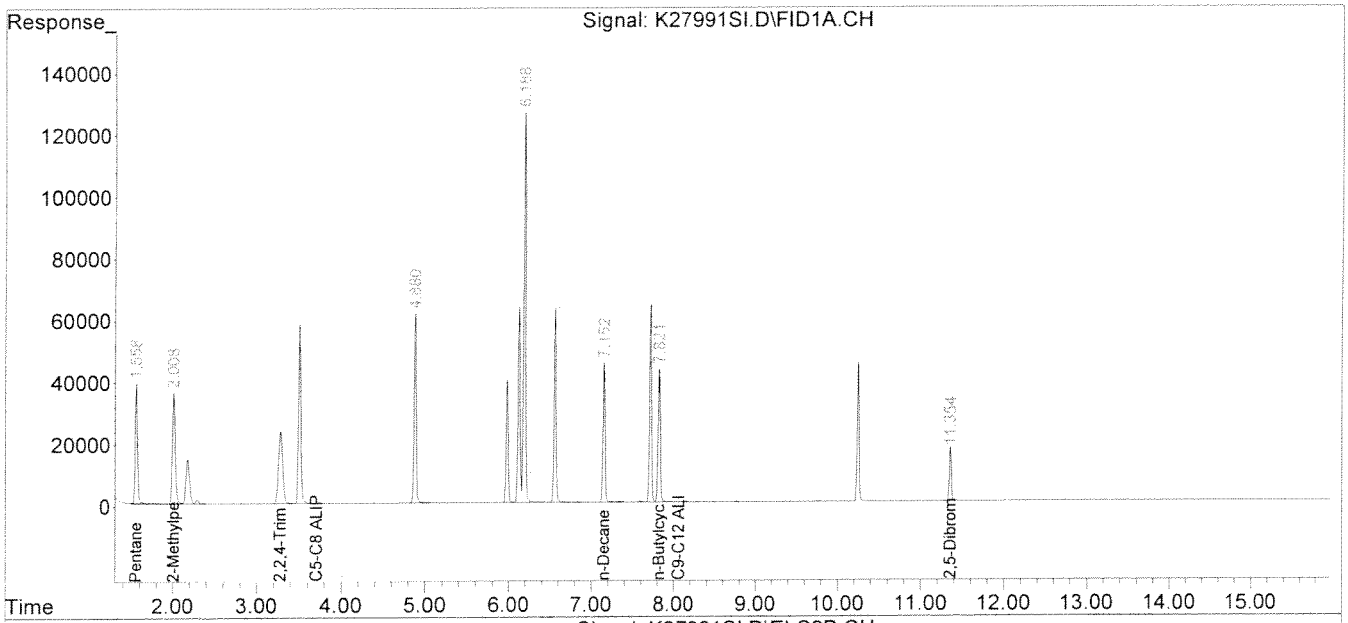
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27991SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:36 pm
perator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

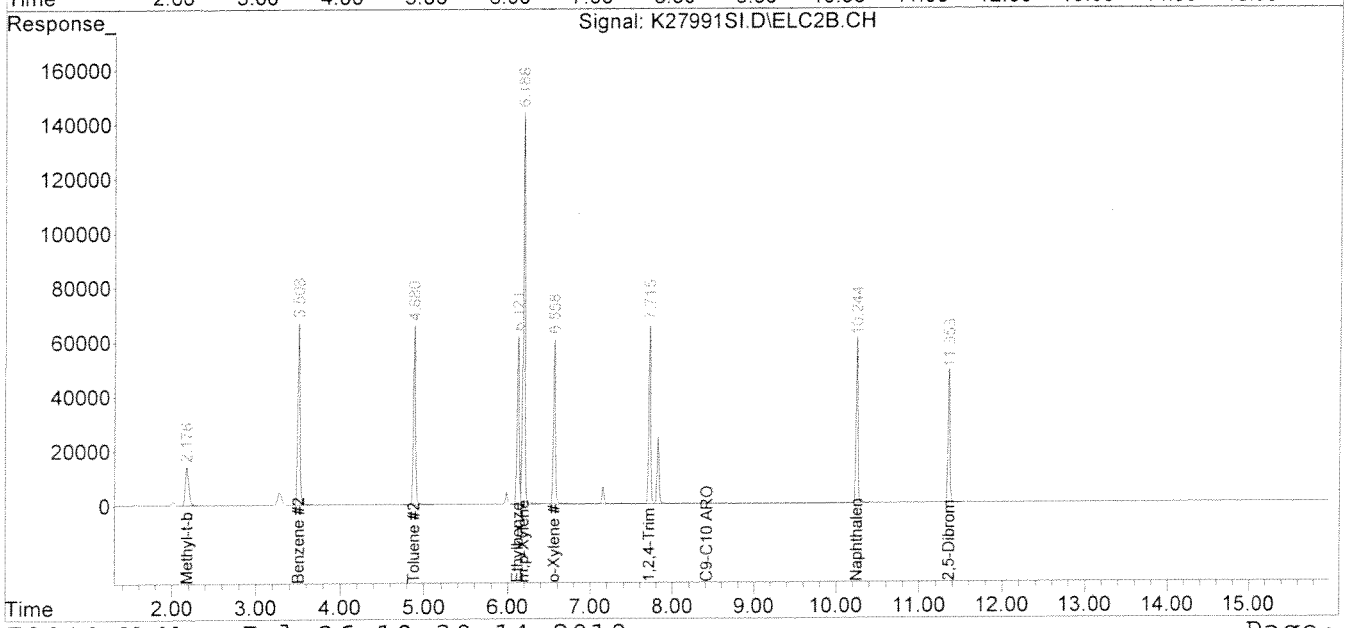
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:12:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27992SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:00 pm
Operator : JJL
Sample : VPH 200 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

JMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.356	11.355	573767	1641106	239.880	240.622
Spiked Amount		100.000	Range	70 - 130	Recovery	=	239.88%# 240.62%#
	Target Compounds						
1) Z	Pentane	1.560	1.559	1489524	22671	309.791	NoCal #
2) Z	2-Methylp...	2.010	2.009	1701064	67354	245.570	NoCal #
3) TM	Methyl-t-...	2.178	2.178	852664	873179	NoCal	203.081 #
4) Z	2,2,4-Tri...	3.281	3.281	1341020	278226	202.168	NoCal #
5) TM	Benzene	3.510	3.509	2234430	2633185	NoCal	198.955 #
6) TM	Toluene	4.883	4.882	2222155	2428518	NoCal	198.472 #
7) XH	C5-C8 ALI...	3.717	0.000	10054754	0	1696.684	N.D. #
9) TM	Ethylbenzene	6.124	6.124	2202865	2170453	NoCal	204.931 #
10) TM	m,p-Xylene	6.191	6.191	4475121	5070193	NoCal	409.237 #
11) TM	o-Xylene	6.560	6.560	2219154	2155584	NoCal	201.411 #
12) Z	n-Decane	7.154	7.154	1731319	253392	295.635	NoCal #
13) Z	n-Butylcy...	7.823	7.823	1724578	987446	269.494	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	16235446	0	2649.476	N.D. #
15) ZM	1,2,4-Tri...	7.717	7.717	2196553	2270927	NoCal	213.501 #
16) XH	C9-C10 AR...	10.410	8.424	218	3642615	NoCal	342.460 #
17) TM	Naphthalene	10.247	10.246	1421440	1959201	NoCal	233.600 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

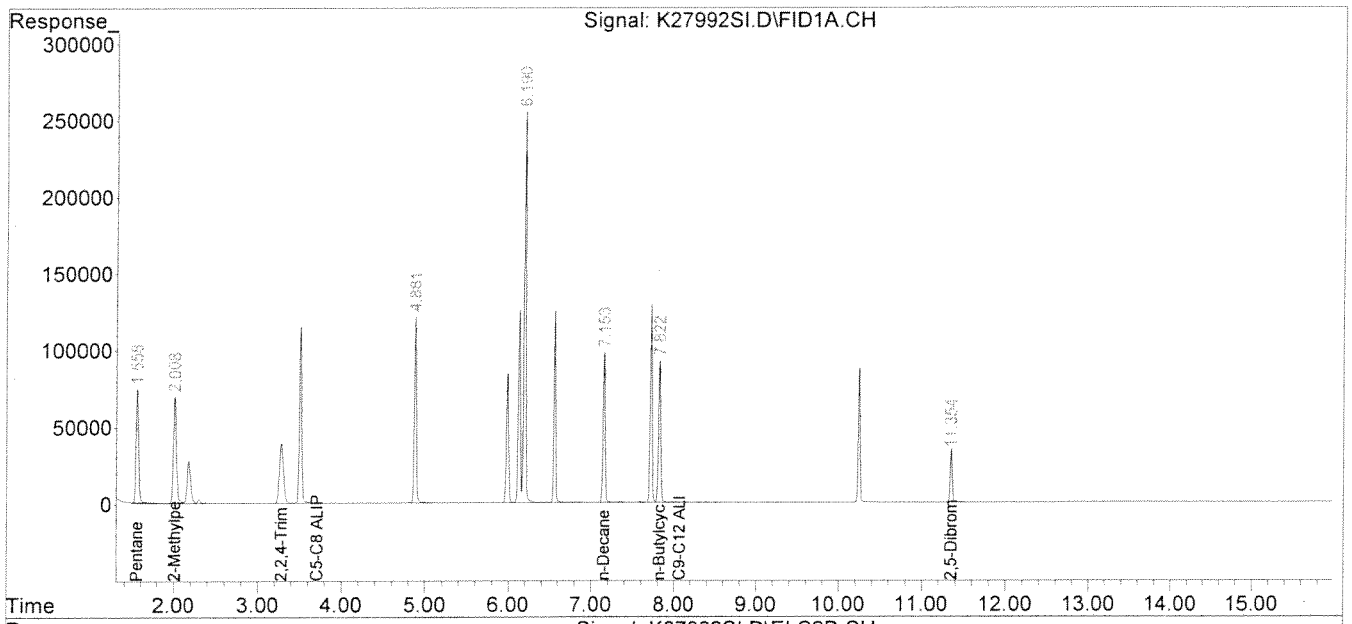
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27992SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:00 pm
Operator : JJL
Sample : VPH 200 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

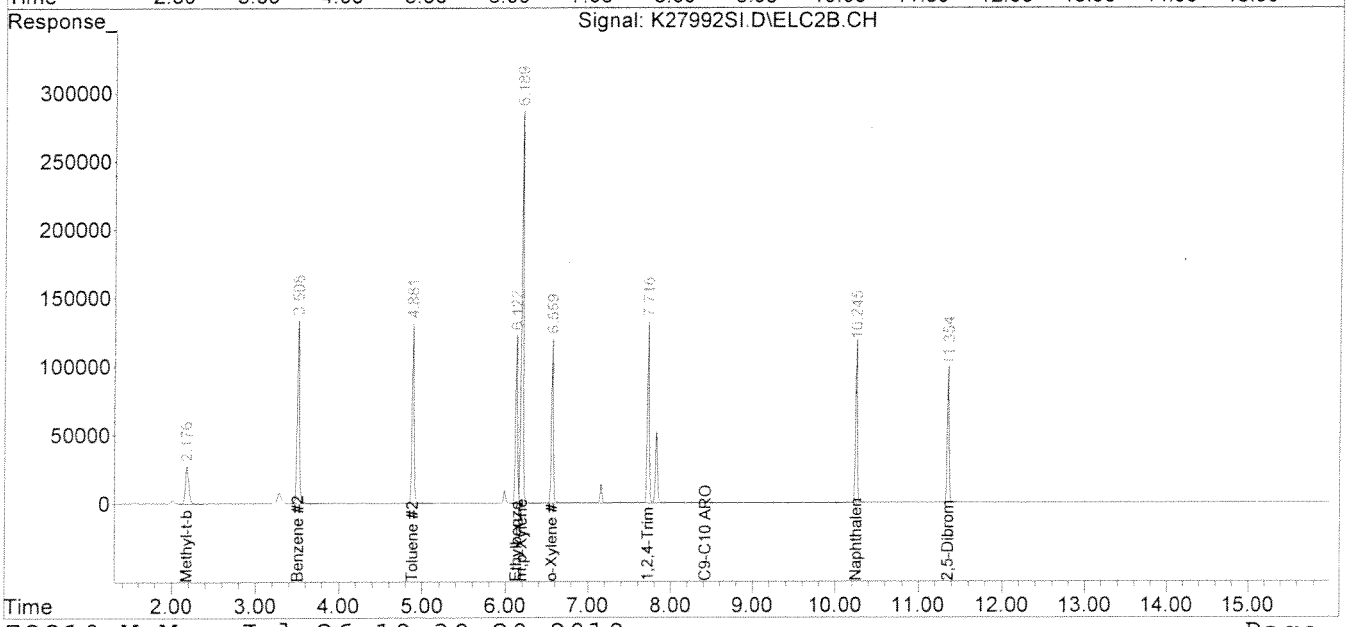
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

JMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27994SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:50 pm
Operator : JJL
Sample : VPH 500 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:22:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

vmr 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18)	S 2,5-Dibro...	11.358	11.358	1516288	4393616	633.927	644.200
	Spiked Amount 100.000 Range 70 - 130 Recovery = 633.93%# 644.20%#						
	Target Compounds						
1)	Z Pentane	1.563	1.563	3340630	49930	694.784	NoCal #
2)	Z 2-Methylp...	2.011	2.011	3820973	149080	551.605	NoCal #
3)	TM Methyl-t-...	2.179	2.179	2093459	2099278	NoCal	488.244 #
4)	Z 2,2,4-Tri...	3.281	3.281	2355729	492506	355.142	NoCal #
5)	TM Benzene	3.512	3.511	5595001	6576942	NoCal	496.932 #
6)	TM Toluene	4.885	4.884	5572149	6086295	NoCal	497.405 #
7)	XH C5-C8 ALI...	3.717	0.000	23833000	0	4021.686	N.D. #
9)	TM Ethylbenzene	6.128	6.127	5552765	5457691	NoCal	515.307 #
10)	TM m,p-Xylene	6.198	6.197	11281535	12618733	NoCal	1018.513 #
11)	TM o-Xylene	6.564	6.563	5686501	5485280	NoCal	512.526 #
12)	Z n-Decane	7.158	7.157	4528311	672488	773.240	NoCal #
13)	Z n-Butylcy...	7.827	7.827	4806171	2727272	751.045	NoCal #
14)	XH C9-C12 AL...	8.070	0.000	42134988	0	6876.044	N.D. #
15)	ZM 1,2,4-Tri...	7.722	7.721	5665905	5848096	NoCal	549.808 #
16)	XH C9-C10 AR...	10.410	8.424	201	9613009	NoCal	903.766 #
17)	TM Naphthalene	10.250	10.249	3644004	5031020	NoCal	599.860 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

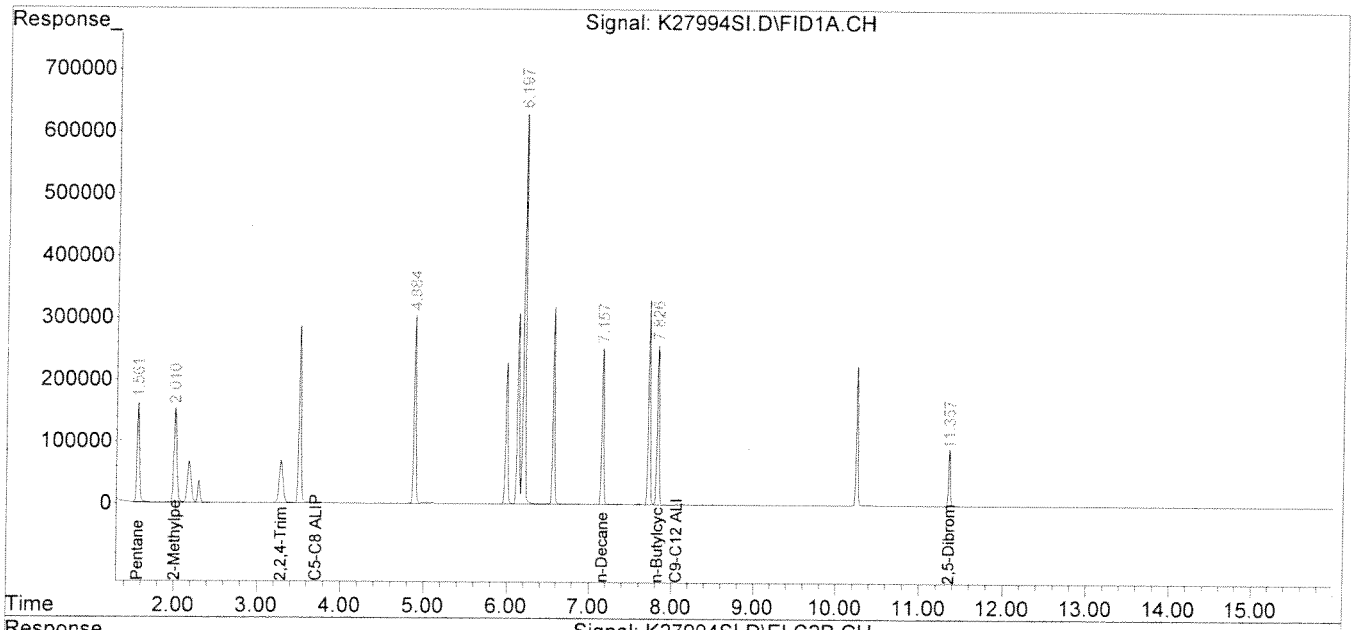
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27994SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:50 pm
Operator : JJL
Sample : VPH 500 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

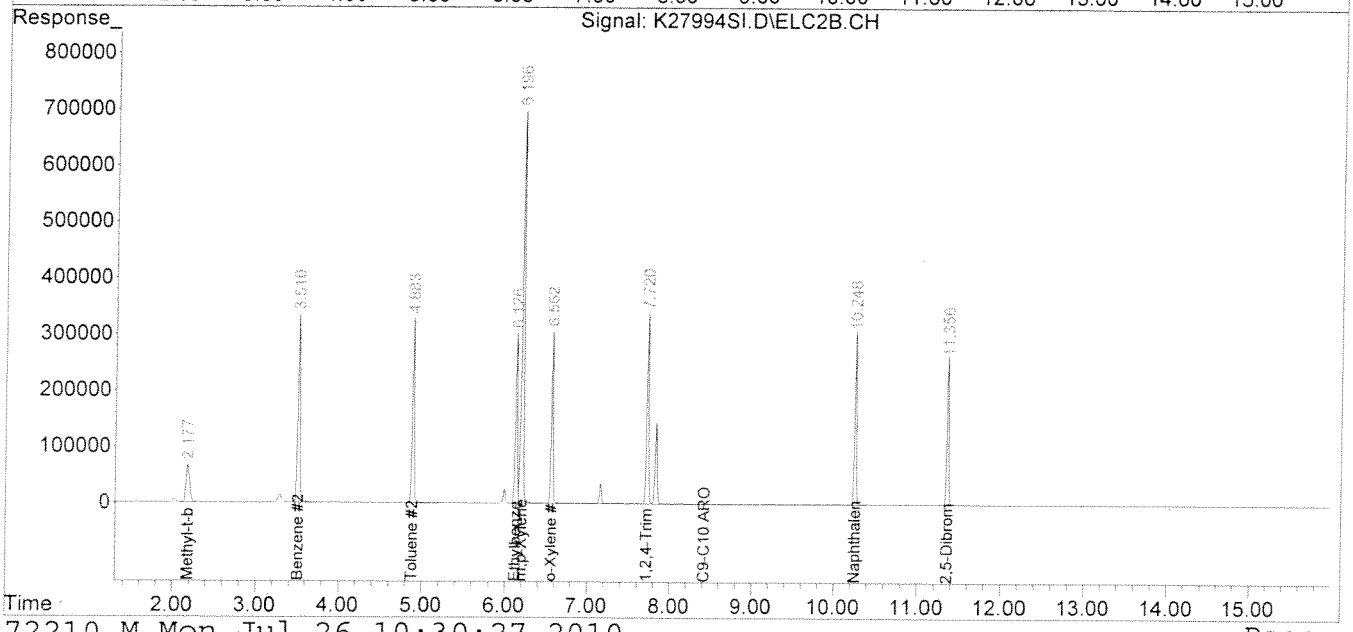
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:22:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

JMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS AQUEOUS
LABORATORY CONTROL SAMPLE

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: LV072210K,ICV
Spike: LV072210K,ICV

88 7/26/10

VMT 7/26/10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
Pentane	100	70	130	0.0	119	119	
2-Methylpentane	100	70	130	0.0	111	111	
2,2,4-Trimethylpentane	100	70	130	0.0	96	96	
n-Decane	100	70	130	0.0	111	111	
n-Butylcyclohexane	100	70	130	0.0	102	102	
Methyl-t-butylether #2	100	70	130	0.0	95	95	
Benzene #2	100	70	130	0.0	103	103	
Toluene #2	100	70	130	0.0	103	103	
Ethylbenzene #2	100	70	130	0.0	99	99	
m,p-Xylene #2	200	70	130	0.0	204	102	
o-Xylene #2	100	70	130	0.0	97	97	
1,2,4-Trimethylbenzene #2	100	70	130	0.0	97	97	
Naphthalene #2	100	70	130	0.0	100	100	
C5-C8 Aliphatics	300	70	130	0.0	326	109	
C9-C12 Aliphatics	200	70	130	0.0	213	107	
C9-C10 Aromatics #2	100	70	130	0.0	97	97	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VPH FORM 3

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27996SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 8:40 pm
Operator : JJL
Sample : LV072210K,ICV
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	285249	798627	96.979	101.183	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	96.98% ✓	101.18% ✓
		Target Compounds							
1)	Z	Pentane	1.561	1.561	834987	10878	119.328	NoCal	#
2)	Z	2-Methylp...	2.010	2.010	908647	31451	111.017	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	442200	444065	NoCal	95.221	#
4)	Z	2,2,4-Tri...	3.281	3.280	737656	145579	95.590	NoCal	#
5)	TM	Benzene	3.510	3.509	1150422	1337308	NoCal	102.773	#
6)	TM	Toluene	4.882	4.881	1133173	1225710	NoCal	102.780	#
7)	XH	C5-C8 ALI...	3.717	0.000	5289562	0	722.160	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1116218	1086585	NoCal	99.447	#
10)	TM	m,p-Xylene	6.189	6.189	2257214	2559629	NoCal	204.018	#
11)	TM	o-Xylene	6.560	6.559	1125050	1087200	NoCal	97.192	#
12)	Z	n-Decane	7.153	7.153	765948	107246	111.061	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	751300	425339	102.060	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7886409	0	1106.244	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	1124367	1147407	NoCal	97.271	#
16)	XH	C9-C10 AR...	10.410	8.424	108	1773360	NoCal	150.336	#
17)	TM	Naphthalene	10.246	10.245	748130	1019126	NoCal	99.989	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

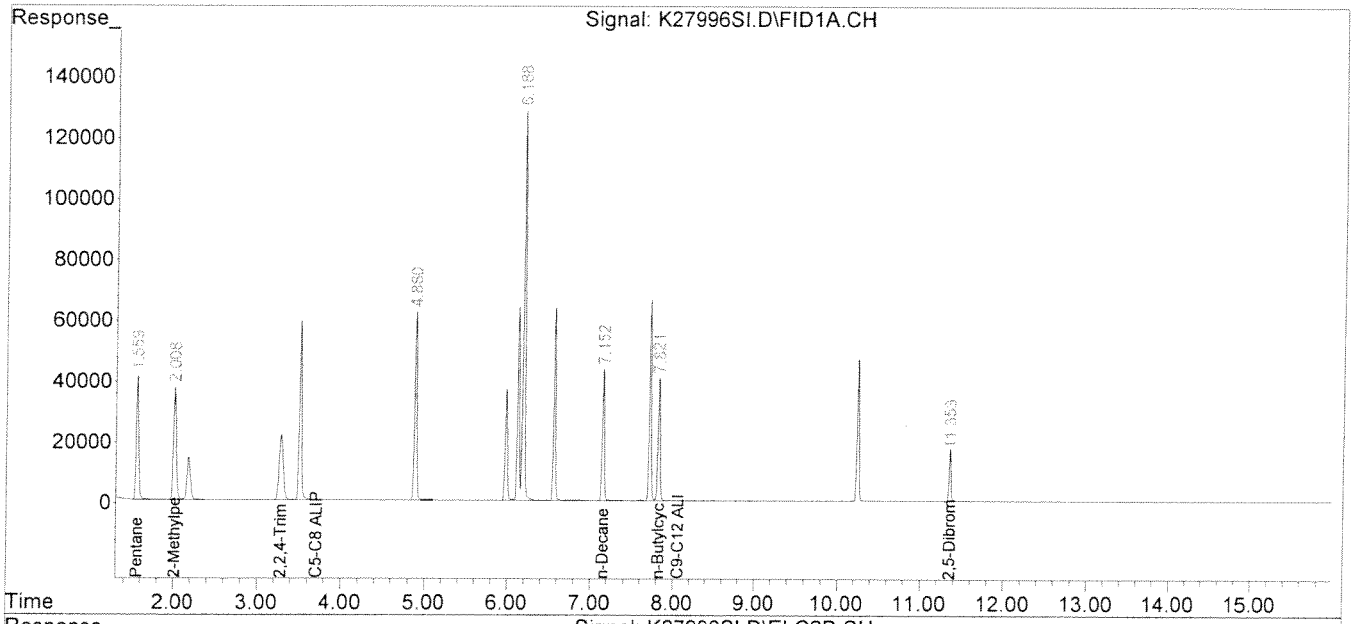
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27996SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 8:40 pm
Operator : JJL
Sample : LV072210K,ICV
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

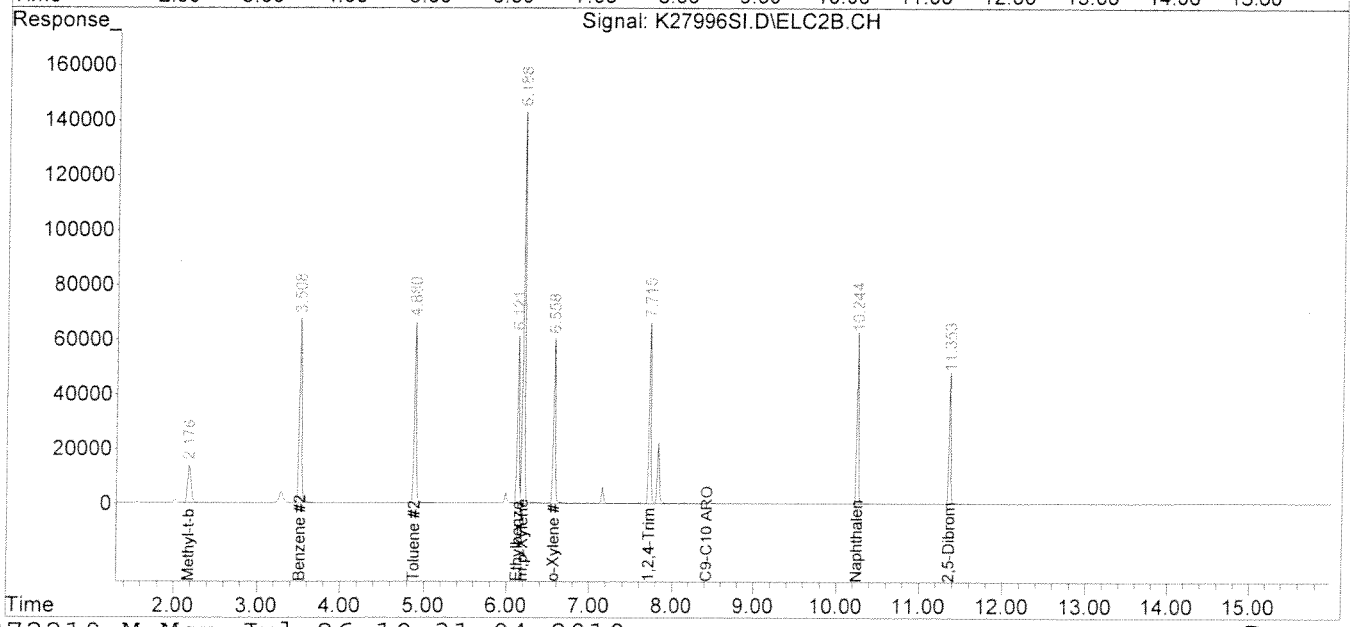
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28857SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	99	1.0	
2-Methylpentane	100	0.4	
2,2,4-Trimethylpentane	118	18.3	
n-Decane	109	8.9	
n-Butylcyclohexane	103	2.9	
2,5-Dibromotoluene	81	19.0	
Methyl-t-butylether #2	95	4.8	
Benzene #2	103	3.1	
Toluene #2	103	3.5	
Ethylbenzene #2	100	0.4	
m,p-Xylene #2	207	3.6	
o-Xylene #2	98	2.3	
1,2,4-Trimethylbenzene #2	96	3.9	
Naphthalene #2	87	12.9	
2,5-Dibromotoluene #2	91	9.2	

gg 9/13/10

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 9.13.10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28857SC.D
Date Acquired 9/13/2010 9:07

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5582	1.5680	0.0098	0.0438	OK	99.00	1.00	OK
2-Methylpentane	2.0098	2.0150	0.0052	0.0447	OK	100.37	0.37	OK
2,2,4-Trimethylpentane	3.2793	3.2850	0.0057	0.0405	OK	118.30	18.30	OK
C5-C8 ALIPHATICS						317.67	5.89	OK
n-Decane	7.1511	7.1540	0.0029	0.0380	OK	108.89	8.89	OK
n-Butylcyclohexane	7.8207	7.8240	0.0033	0.0380	OK	102.91	2.91	OK
C9-C12 ALIPHATICS						211.79	5.90	OK
2,5-Dibromotoluene	11.3526	11.3580	0.0054	0.0380	OK	81.04	18.96	OK
PID								
Methyl-t-butylether #2	2.1775	2.1830	0.0055	0.0447	OK	95.18	4.82	OK
Benzene #2	3.5082	3.5120	0.0038	0.0380	OK	103.15	3.15	OK
Toluene #2	4.8800	4.8830	0.0031	0.0344	OK	103.47	3.47	OK
Ethylbenzene #2	6.1203	6.1240	0.0037	0.0344	OK	100.42	0.42	OK
m,p-Xylene #2	6.1870	6.1900	0.0031	0.0344	OK	207.11	3.55	OK
o-Xylene #2	6.5569	6.5610	0.0041	0.0344	OK	97.70	2.30	OK
1,2,4-Trimethylbenzene #2	7.7141	7.7180	0.0039	0.0344	OK	96.09	3.91	OK
C9-C10 AROMATICS #2						96.09	3.91	OK
Naphthalene #2	10.2427	10.2480	0.0053	0.0344	OK	87.10	12.90	OK
2,5-Dibromotoluene #2	11.3520	11.3570	0.0050	0.0344	OK	90.78	9.22	OK

9/13/10

D91310

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28857SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 9:07 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:02:23 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.353	11.352	238378	716526	81.044	90.781	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	81.04%	90.78%
	Target Compounds							
1) Z	Pentane	1.558	1.558	692769	12099	99.004	NoCal	#
2) Z	2-Methylp...	2.010	2.009	821512	36304	100.371	NoCal	#
3) TM	Methyl-t-...	2.178	2.177	413111	443864	NoCal	95.178	#
4) Z	2,2,4-Tri...	3.279	3.279	912891	200841	118.297	NoCal	#
5) TM	Benzene	3.509	3.508	1069032	1342175	NoCal	103.147	#
6) TM	Toluene	4.880	4.880	1063270	1233956	NoCal	103.471	#
7) XH	C5-C8 ALI...	3.717	0.000	5369030	0	733.009	N.D.	#
9) TM	Ethylbenzene	6.121	6.120	1049395	1097182	NoCal	100.417	#
10) TM	m,p-Xylene	6.187	6.187	2131548	2598385	NoCal	207.107	#
11) TM	o-Xylene	6.557	6.557	1051271	1092896	NoCal	97.701	#
12) Z	n-Decane	7.151	7.151	750960	122250	108.888	NoCal	#
13) Z	n-Butylcy...	7.821	7.820	757519	466762	102.905	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	7566153	0	1061.321	N.D.	#
15) ZM	1,2,4-Tri...	7.715	7.714	1027899	1133423	NoCal	96.085	#
16) XH	C9-C10 AR...	10.410	8.424	96	1823424	NoCal	154.580	#
17) TM	Naphthalene	10.243	10.243	603589	887724	NoCal	87.097	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

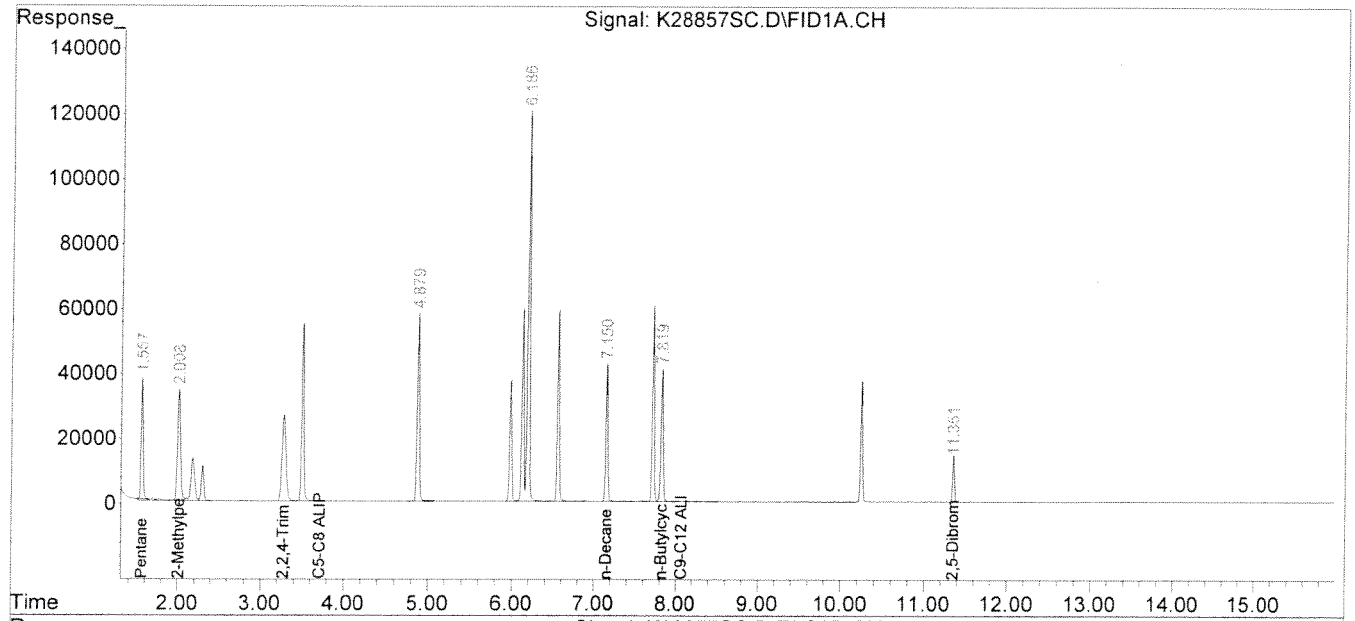
091310

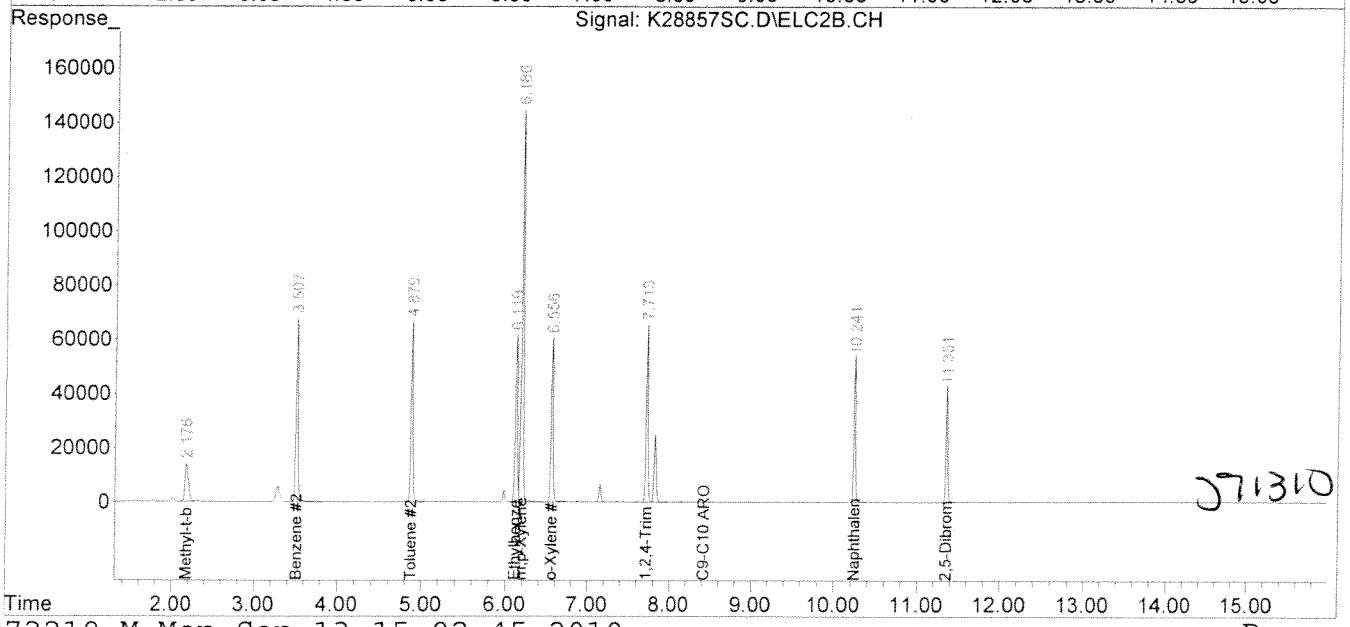
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28857SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 9:07 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 15:02:23 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J71310

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28867SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	100	0.1	
2-Methylpentane	101	0.8	
2,2,4-Trimethylpentane	112	12.2	
n-Decane	111	11.1	
n-Butylcyclohexane	107	6.7	
2,5-Dibromotoluene	91	8.8	
Methyl-t-butylether #2	92	8.2	
Benzene #2	100	0.5	
Toluene #2	101	0.9	
Ethylbenzene #2	98	1.8	
m,p-Xylene #2	202	1.0	
o-Xylene #2	96	4.1	
1,2,4-Trimethylbenzene #2	94	5.7	
Naphthalene #2	90	10.1	
2,5-Dibromotoluene #2	97	2.7	

88 9/13/10

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 591310

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28867SC.D
Date Acquired 9/13/2010 13:55

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5607	1.5680	0.0073	0.0438	OK	99.94	0.06	OK
2-Methylpentane	2.0110	2.0150	0.0040	0.0447	OK	100.80	0.80	OK
2,2,4-Trimethylpentane	3.2814	3.2850	0.0036	0.0405	OK	112.22	12.22	OK
C5-C8 ALIPHATICS						312.97	4.32	OK
n-Decane	7.1525	7.1540	0.0015	0.0380	OK	111.06	11.06	OK
n-Butylcyclohexane	7.8218	7.8240	0.0022	0.0380	OK	106.66	6.66	OK
C9-C12 ALIPHATICS						217.72	8.86	OK
2,5-Dibromotoluene	11.3541	11.3580	0.0039	0.0380	OK	91.17	8.83	OK
PID								
Methyl-t-butylether #2	2.1787	2.1830	0.0043	0.0447	OK	91.78	8.22	OK
Benzene #2	3.5092	3.5120	0.0028	0.0380	OK	99.50	0.50	OK
Toluene #2	4.8812	4.8830	0.0019	0.0344	OK	100.86	0.86	OK
Ethylbenzene #2	6.1215	6.1240	0.0025	0.0344	OK	98.16	1.84	OK
m,p-Xylene #2	6.1884	6.1900	0.0016	0.0344	OK	202.04	1.02	OK
o-Xylene #2	6.5582	6.5610	0.0028	0.0344	OK	95.93	4.07	OK
1,2,4-Trimethylbenzene #2	7.7154	7.7180	0.0026	0.0344	OK	94.35	5.65	OK
C9-C10 AROMATICS #2						94.35	5.65	OK
Naphthalene #2	10.2443	10.2480	0.0037	0.0344	OK	89.86	10.14	OK
2,5-Dibromotoluene #2	11.3536	11.3570	0.0034	0.0344	OK	97.25	2.75	OK

98 9/13/10

J9/1340

Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28867SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:55 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 14:17:48 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	268151	767593	91.166	97.251	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	91.17%	97.25%
	Target Compounds							
1) Z	Pentane	1.561	1.561	699346	9076	99.944	NoCal	#
2) Z	2-Methylp...	2.011	2.011	825004	29346	100.797	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	416574	428020	NoCal	91.781	#
4) Z	2,2,4-Tri...	3.281	3.281	866026	177407	112.224	NoCal	#
5) TM	Benzene	3.510	3.509	1074096	1294757	NoCal	99.503	#
6) TM	Toluene	4.882	4.881	1070375	1202831	NoCal	100.861	#
7) XH	C5-C8 ALI...	3.717	0.000	5269885	0	719.473	N.D.	#
9) TM	Ethylbenzene	6.122	6.122	1060610	1072493	NoCal	98.157	#
10) TM	m,p-Xylene	6.189	6.188	2154134	2534779	NoCal	202.037	#
11) TM	o-Xylene	6.559	6.558	1065078	1073106	NoCal	95.932	#
12) Z	n-Decane	7.153	7.152	765923	112305	111.057	NoCal	#
13) Z	n-Butylcy...	7.822	7.821	785197	462883	106.665	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	7722283	0	1083.222	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	1047129	1112927	NoCal	94.348	#
16) XH	C9-C10 AR...	10.410	8.424	10	1793716	NoCal	152.062	#
17) TM	Naphthalene	10.245	10.244	647367	915908	NoCal	89.862	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

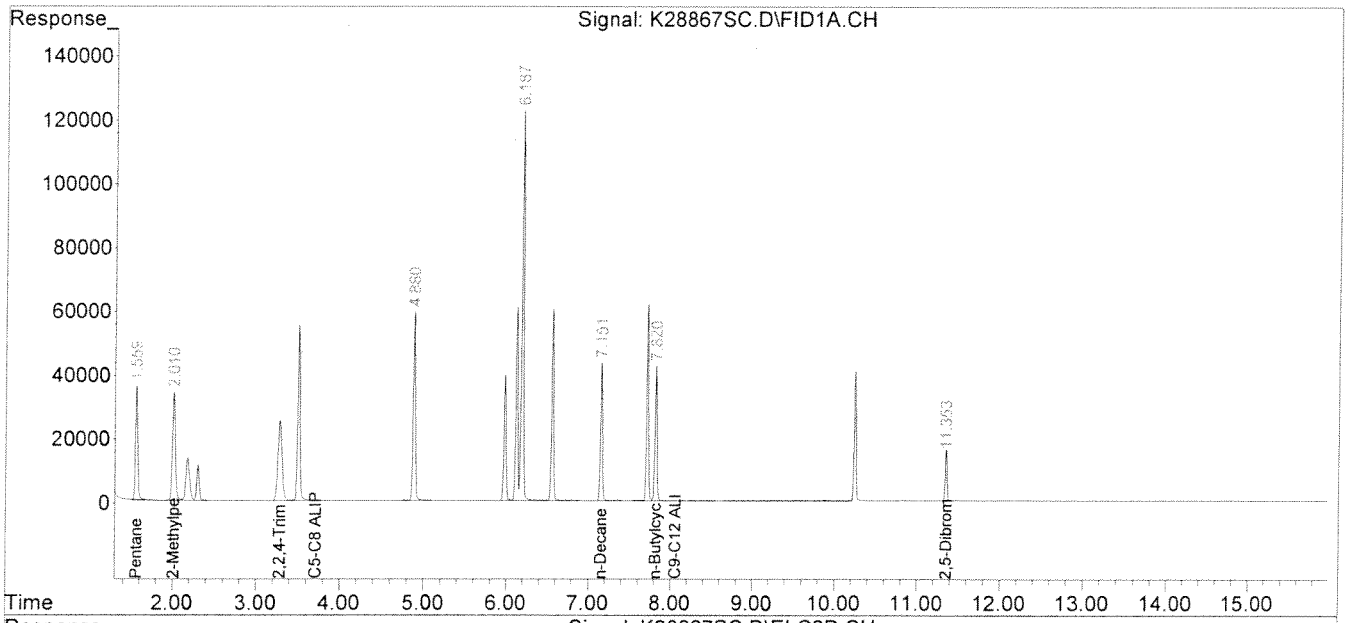
J91310

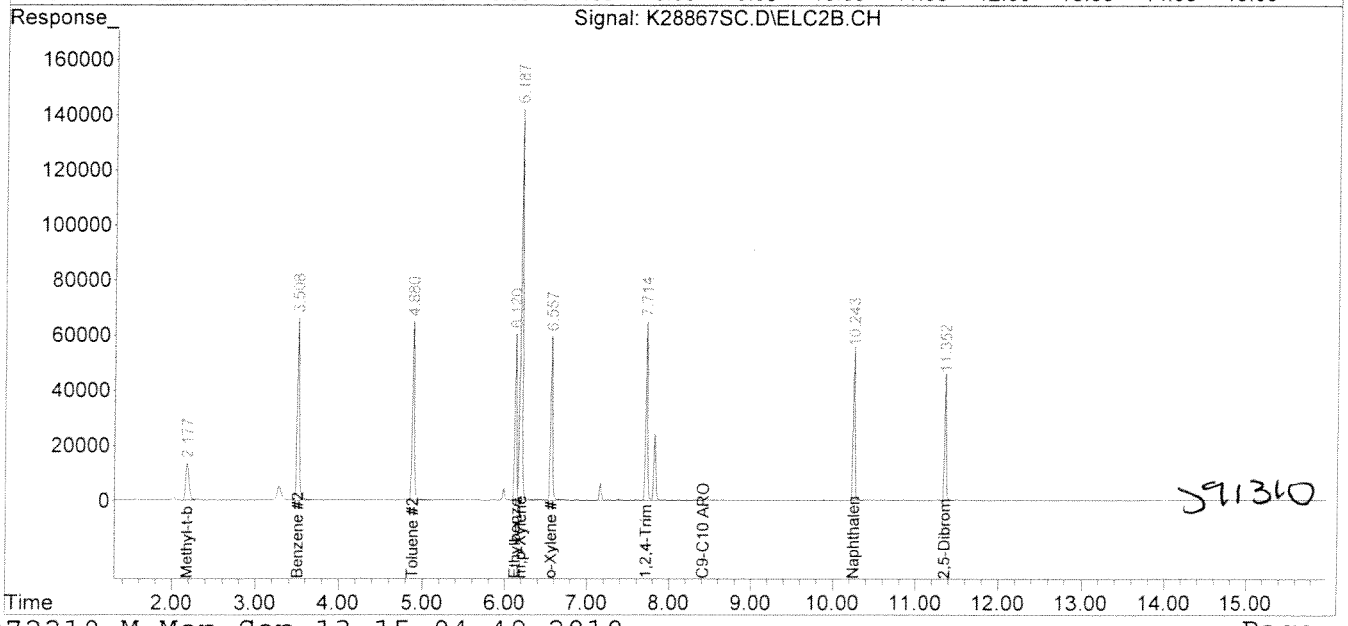
Data Path : C:\msdchem\1\DATA\091310-K\
Data File : K28867SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 13 Sep 2010 1:55 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 14:17:48 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/13/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





591360

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67743

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K28857SC.D	9/13/2010 9:07	11.353		11.352	
Upper Limit			11.383		11.382	
Lower limit			11.323		11.322	

SAMPLE ID

LSV091310K	K28858Q.D	9/13/2010 9:47	11.354		11.354	
LSV091310K2	K28859Q.D	9/13/2010 10:11	11.354		11.353	
MBV091310K	K28861B.D	9/13/2010 11:08	11.354		11.353	
67743-1,10X	K28864.D	9/13/2010 12:39	11.352		11.351	
67743-1,2X	K28866.D	9/13/2010 13:31	11.352		11.352	
VPH 100 UG/L	K28867SC.D	9/13/2010 13:55	11.354		11.354	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

EPH
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 14, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B091310EASE
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/13/10
Analysis Date: 09/14/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				44
Aromatic Surrogate % Recovery (O-Terphenyl)				87
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				83
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				82
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mahlull

EPH SOIL REPORT

Sample Name: B091310EASE

Dilution Factors	ARO	1.00		ALI	1.00
		ug/kg	RESULTS QUALIFIER	RL	
Unadjusted C11-C22 Aromatics		U		26667	
Naphthalene		U		267	
2-Methylnaphthalene		U		267	
Phenanthrene		U		267	
Acenaphthene		U		267	
Acenaphthylene		U		267	
Fluorene		U		267	
Anthracene		U		267	
Fluoranthene		U		267	
Pyrene		U		267	
Benzo[a]anthracene		U		267	
Chrysene		U		267	
Benzo[b] fluoranthene		U		267	
Benzo[k] fluoranthene		U		267	
Benzo[a] pyrene		U		267	
Indeno [1,2,3-cd] pyrene		U		267	
Dibenz [a,h] anthracene		U		267	
Benzo(g,h,i) perylene		U		267	
C9-C18 Aliphatics		U		26667	
C19-C36 Aliphatics		U		26667	
C11-C22 Aromatics		U		26667	
1-Chlorooctadecane (Ali)		44%		40-140%	PASS
o-terphenyl (Aro)		87%		40-140%	PASS
2-Fluorobiphenyl (Fraction)		83%		40-140%	PASS
2-Bromonaphthalene (Fraction)		82%		40-140%	PASS

591410

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	D71646B.D	---------
Date Acquired	9/14/2010 12:45	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	15.00	15.00
% Solid (divided by 100)	1.0000	1.0000
Final Volume (mL)	2.0	2.0
Dilution (1:X)	1	1
Calculation Factor	133.3333	133.3333

RAW DATA **AROMATICS**	Raw Inst. Amount ug/mL	J Flag Inst MDL	Final Inst Amount	Calculated Sample Amt ug/kg	Calibra
Naphthalene	0.00	1.00	0.00	0	Avg
2-Methylnaphthalene	0.00	1.00	0.00	0	Avg
Acenaphthylene	0.00	1.00	0.00	0	Avg
Acenaphthene	0.00	1.00	0.00	0	Avg
Fluorene	0.00	1.00	0.00	0	Avg
Phenanthrene	0.00	1.00	0.00	0	Avg
Anthracene	0.00	1.00	0.00	0	Avg
Fluoranthene	0.00	1.00	0.00	0	Avg
Pyrene	0.00	1.00	0.00	0	Avg
Benzo[a]anthracene	0.00	1.00	0.00	0	Avg
Chrysene	0.00	1.00	0.00	0	Avg
Benzo[b] fluoranthene	0.00	1.00	0.00	0	Qua
Benzo[k] fluoranthene	0.00	1.00	0.00	0	Avg
Benzo[a] pyrene	0.00	1.00	0.00	0	Qua
Indeno [1,2,3-cd] pyrene	0.00	1.00	0.00	0	Qua
Dibenz [a,h] anthracene	0.00	1.00	0.00	0	Qua
Benzo(g,h,i) perylene	0.00	1.00	0.00	0	Qua

C11-C22	69.934	C11-C22	-90
ARO Hexane Blank	70.610		
Adjusted C11-C22		Adj C11-C22	-90

ALIPHATICS

C9-C18	22.932	C9-C18	116
C9-C18 Hexane Blank	22.065		
C19-C36	34.398	C19-C36	174
C19-C36 Hexane Blank	33.091		

591410

Surrogates

1-Chlorooctadecane (Ali)	8.830	44%
2-Fluorobiphenyl (Fraction)	16.70	83%
2-Bromonaphthalene (Fraction)		82%

Data File : D:\HPCHEM\1\DATA\091310-D\D71646B.D Vial: 8
Acq On : 14 Sep 2010 12:45 am Operator: AR
Sample : B091310EASE Inst : GC/
Misc : SOIL,ARO Multiplr: 1.0
MS Integration Params: RTEINT.P
Quant Time: Sep 14 5:35 2010 Quant Results File: AR

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Internal Standards	R.T.	QIon	Response	Conc Units
1) 5-alpha-Androstane	10.79	95	28725	20.00 ug/

System Monitoring Compounds

9) 2-Fluorobiphenyl	7.59	172	126856	16.70 ug/
Spiked Amount 20.000	Range 40 - 140		Recovery =	83
10) 2-Bromonaphthalene	8.26	206	51509	16.36 ug/
Spiked Amount 20.000	Range 40 - 140		Recovery =	81
11) o-terphenyl	10.10	230	77254	17.36 ug/
Spiked Amount 20.000	Range 40 - 140		Recovery =	86

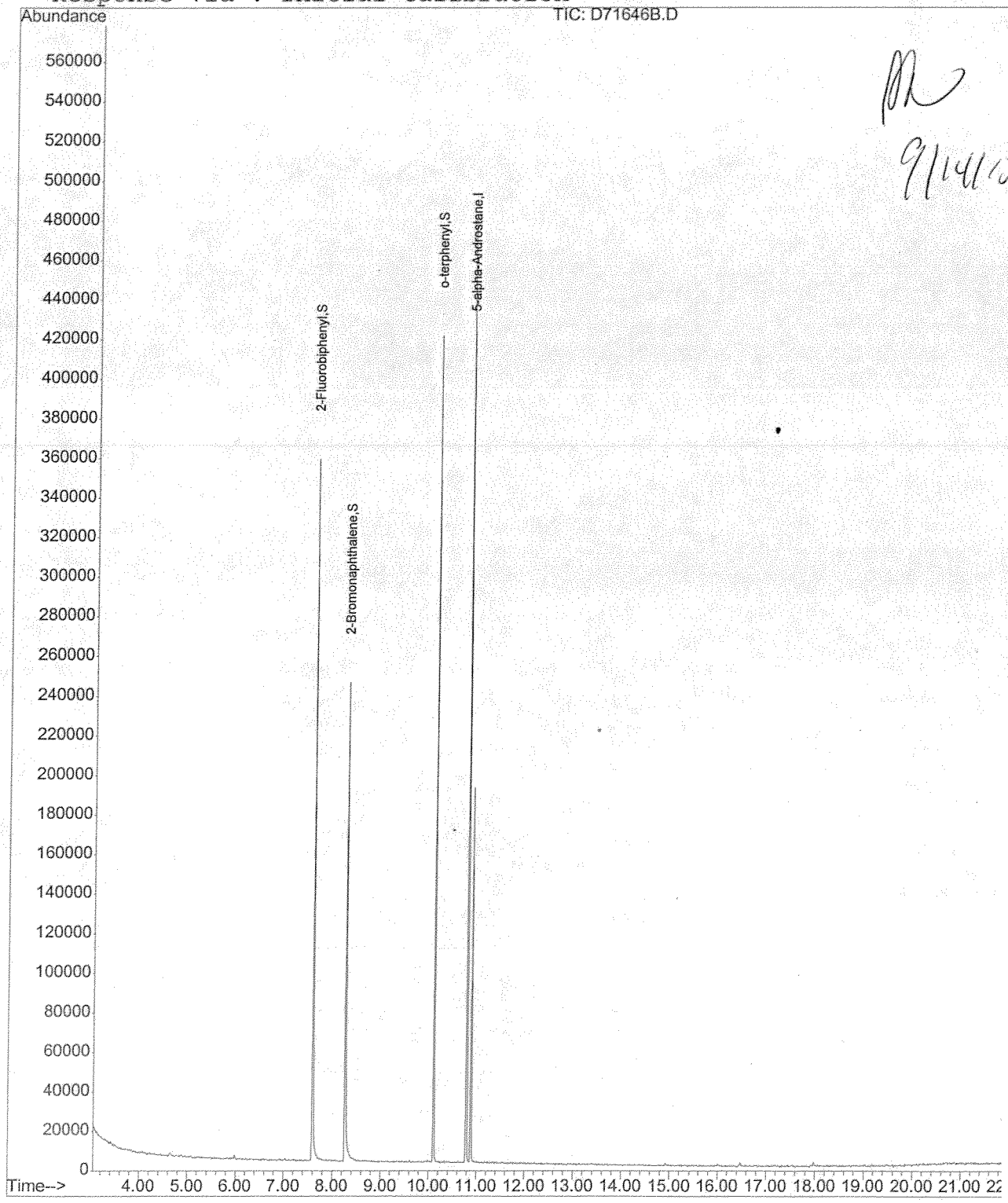
Target Compounds

D71410

(#) = qualifier out of range (m) = manual integration
D71646B.D ARM80410.M

Data File : D:\HPCHEM\1\DATA\091310-D\D71646B.D Vial:
Acq On : 14 Sep 2010 12:45 am Operator:
Sample : B091310EASE Inst :
Misc : SOIL,ARO Multiplr:
MS Integration Params: RTEINT.P
Quant Time: Sep 14 5:35 2010 Quant Results File:

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/14/10

Data File : D:\HPCHEM\1\DATA\091310-D\D71646B.D Vial
Acq On : 14 Sep 2010 12:45 am Operator
Sample : B091310EASE Inst
Misc : SOIL,ARO Multiplr
IntFile : autoint1.e
Quant Time: Sep 14 5:45 2010 Quant Results File: ARG80410.R

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation In
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

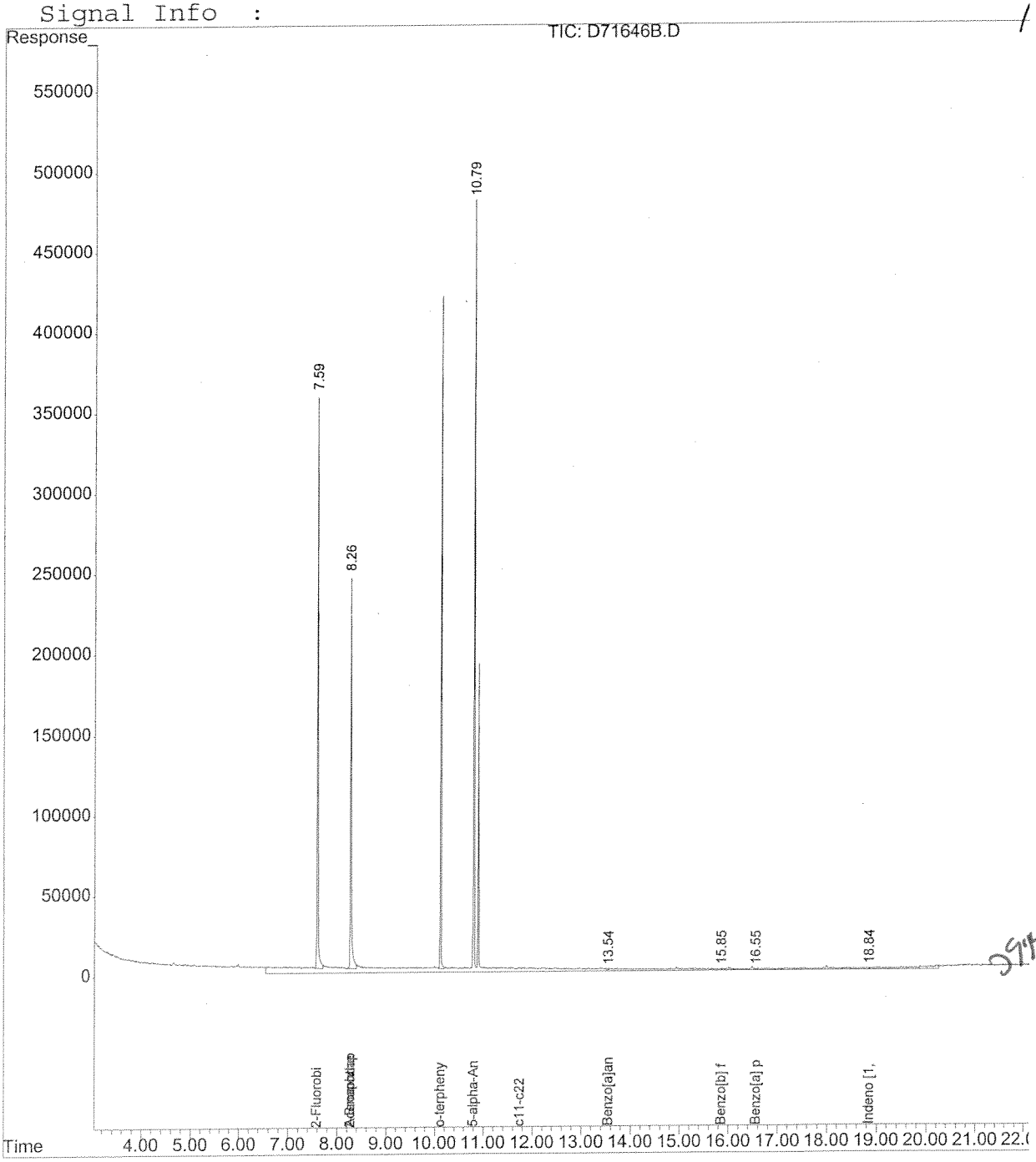
Compound	R.T.	Response	Conc U
Internal Standards			
1) I 5-alpha-Androstane	10.79	5307918	20.000
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	4222369	16.121
Spiked Amount 20.000 Range 40 - 140		Recovery =	80.60
10) S 2-Bromonaphthalene	8.26	3452463	18.958
Spiked Amount 20.000 Range 40 - 140		Recovery =	94.79
11) S o-terphenyl	10.11	4063739	16.349
Spiked Amount 20.000 Range 40 - 140		Recovery =	81.75
Target Compounds			
2) TZ Naphthalene	6.56	13359	<MDL
3) TZ 2-Methylnaphthalene	7.28	4883	<MDL
4) TZ Acenaphthylene	8.16	9389	<MDL
5) TZ Acenaphthene	8.26	3452463	11.209
6) TZ Fluorene	8.83	8326	<MDL
7) TZ Phenanthrene	9.78	12930	<MDL
8) TZ Anthracene	9.83	10115	<MDL
12) TZ Fluoranthene	11.04	21467	<MDL
13) TZ Pyrene	11.40	7737	<MDL
14) TZ Benzo[a]anthracene	13.54	11538	1.237
15) TZ Chrysene	13.61	25350	<MDL
16) TZ Benzo[b] fluoranthene	15.86	5109	1.260
17) TZ Benzo[k] fluoranthene	15.92	6441	<MDL
18) TZ Benzo[a] pyrene	16.55	10730	1.054
19) TZ Indeno [1,2,3-cd] pyrene	18.84	6120	2.036
20) TZ Dibenz [a,h] anthracene	18.87	16936	<MDL
21) TZ Benzo(g,h,i) perylene	19.32	17867	<MDL
22) XH c11-c22	11.73	16176233	69.934

70.610 39.140

Data File : D:\HPCHEM\1\DATA\091310-D\D71646B.D Vial
Acq On : 14 Sep 2010 12:45 am Operator
Sample : B091310EASE Inst
Misc : SOIL,ARO Multiplr
IntFile : autoint1.e
Quant Time: Sep 14 5:45 2010 Quant Results File: ARG80410.R

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation In
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Data File : D:\HPCHEM\1\DATA\091310-D\D71643B.D Vial
Acq On : 13 Sep 2010 11:15 pm Operator
Sample : B091310EASE Inst
Misc : SOIL,ALI Multiplr
IntFile : EVENTS.E
Quant Time: Sep 13 23:46 2010 Quant Results File: ALG80410.R

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation In
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/1

Compound	R.T.	Response	Conc	U
Internal Standards				
1) I 5-alpha-Androstane	10.79	5197713	20.000	
System Monitoring Compounds				
11) S 1-Chlorooctadecane	10.88	2816331	8.830	
Spiked Amount 20.000 Range 40 - 140 Recovery = 44.15				
Target Compounds				
2) TZM C-9	4.01	18199	<MDL	
3) TZM C-10	5.01	4013	<MDL	
4) TZM C-12	6.48	4256	<MDL	
5) TZM C-14	7.66	17073	<MDL	
6) TZM C-16	8.70	25464	<MDL	
7) TZM C-18	9.62	40050	<MDL	
8) XH C9-C18	7.38	7914468	22.932	
9) TZM C-19	10.03	9506	<MDL	
10) TZM C-20	10.44	36301	<MDL	
12) TZM C-22	11.42	36044	<MDL	
13) TZM C-24	12.71	68578	<MDL	
14) TZM C-26	14.18	31287	<MDL	
15) TZM C-28	15.72	22958	<MDL	
16) TZM C-30	17.25	19528	<MDL	
17) TZM C-36	21.28	31054	4.208	
18) XH C19-C36	11.90	9850392	34.398	

22.065/33.091

09/14/10

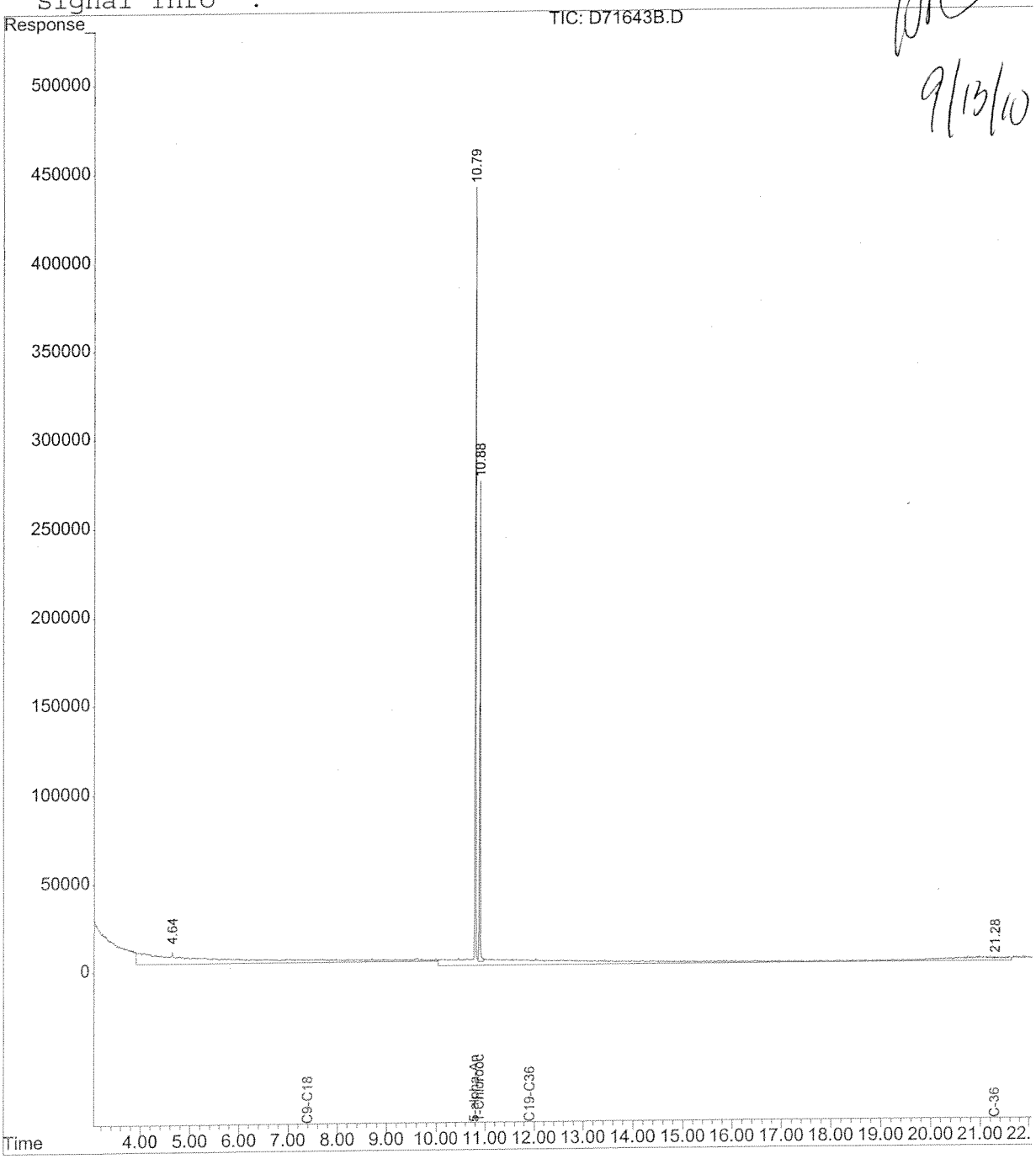
Data File : D:\HPCHEM\1\DATA\091310-D\D71643B.D
Acq On : 13 Sep 2010 11:15 pm
Sample : B091310EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Sep 13 23:46 2010 Quant Results File: ALG80410.R

Vial
Operator
Inst
Multiplr

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation In
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/13/10



091410

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 14, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS South Weymouth Building 82

Project Number:

Client Sample ID: IV-B82-GTM4-01

SAMPLE DATA

Lab Sample ID: 67743-1
Matrix: Solid
Percent Solid: 82
Dilution Factor: 1.2
Collection Date: 09/10/10
Lab Receipt Date: 09/10/10
Extraction Date: 09/13/10
Analysis Date: 09/14/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		30700	µg/kg	**51300**
Diesel PAH Analytes	Naphthalene	307	µg/kg	**979**
	2-Methylnaphthalene	307	µg/kg	**2000**
	Phenanthrene	307	µg/kg	U
	Acenaphthene	307	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	307	µg/kg	U
	Fluorene	307	µg/kg	**155 J**
	Anthracene	307	µg/kg	U
	Fluoranthene	307	µg/kg	U
	Pyrene	307	µg/kg	U
	Benzo[a]anthracene	307	µg/kg	U
	Chrysene	307	µg/kg	U
	Benzo[b]fluoranthene	307	µg/kg	**214 J**
	Benzo[k]fluoranthene	307	µg/kg	U
	Benzo[a]pyrene	307	µg/kg	U
	Indeno[1,2,3-cd]pyrene	307	µg/kg	U
	Dibenzo[a,h]anthracene	307	µg/kg	U
	Benzo[g,h,i]perylene	307	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		30700	µg/kg	**79800**
C19-C36 Aliphatic Hydrocarbons[1]		30700	µg/kg	**26100 J**
C11-C22 Aromatic Hydrocarbons[1,2]		30700	µg/kg	**47900**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				54
Aromatic Surrogate % Recovery (O-Terphenyl)				80
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				72
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				75
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Michelle Hull

EPH SOIL REPORT

Sample Name: 67743-1

Dilution Factors	ARO	1.15		ALI	1.15
		ug/kg	RESULTS QUALIFIER	RL	
Unadjusted C11-C22 Aromatics		51286		30620	
Naphthalene		979		306	
2-Methylnaphthalene		1999		306	
Phenanthrene		U		306	
Acenaphthene		U		306	
Acenaphthylene		U		306	
Fluorene		155	J	306	
Anthracene		U		306	
Fluoranthene		U		306	
Pyrene		U		306	
Benzo[a]anthracene		U		306	
Chrysene		U		306	
Benzo[b] fluoranthene		214	J	306	
Benzo[k] fluoranthene		U		306	
Benzo[a] pyrene		U		306	
Indeno [1,2,3-cd] pyrene		U		306	
Dibenz [a,h] anthracene		U		306	
Benzo(g,h,i) perylene		U		306	
C9-C18 Aliphatics		79755		30620	
C19-C36 Aliphatics		26133	J	30620	
C11-C22 Aromatics		47938		30620	
1-Chlorooctadecane (Ali)		54%		40-140%	PASS
o-terphenyl (Aro)		80%		40-140%	PASS
2-Fluorobiphenyl (Fraction)		72%		40-140%	PASS
2-Bromonaphthalene (Fraction)		75%		40-140%	PASS

J9-1410

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	D71650.D	---------
Date Acquired	9/14/2010 2:45	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.97**	15.97
% Solid (divided by 100)	**0.8180**	0.8180
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	1
Calculation Factor	153.0988	153.0988

RAW DATA **AROMATICS**	Raw Inst. Amount ug/mL	J Flag Inst MDL	Final Inst Amount	Calculated Sample Amt ug/kg	Calibration Fit
Naphthalene	6.40	1.00	6.40	979	Avg RF
2-Methylnaphthalene	13.06	1.00	13.06	1999	Avg RF
Acenaphthylene	0.29	1.00	0.00	0	Avg RF
Acenaphthene	0.36	1.00	0.00	0	Avg RF
Fluorene	1.02	1.00	1.02	155	Avg RF
Phenanthrene	0.24	1.00	0.00	0	Avg RF
Anthracene	0.23	1.00	0.00	0	Avg RF
Fluoranthene	0.10	1.00	0.00	0	Avg RF
Pyrene	0.08	1.00	0.00	0	Avg RF
Benzo[a]anthracene	0.01	1.00	0.00	0	Avg RF
Chrysene	0.01	1.00	0.00	0	Avg RF
Benzo[b] fluoranthene	1.40	1.00	1.40	214	Quadratic
Benzo[k] fluoranthene	0.01	1.00	0.00	0	Avg RF
Benzo[a] pyrene	0.00	1.00	0.00	0	Quadratic
Indeno [1,2,3-cd] pyrene	0.00	1.00	0.00	0	Quadratic
Dibenz [a,h] anthracene	0.00	1.00	0.00	0	Quadratic
Benzo(g,h,i) perylene	0.00	1.00	0.00	0	Quadratic

C11-C22	**405.599**	C11-C22	51286
ARO Hexane Blank	**70.610**		
Adjusted C11-C22		Adj C11-C22	47938

J9-1410

ALIPHATICS			
C9-C18	**543.004**	C9-C18	79755
C9-C18 Hexane Blank	**22.065**		
C19-C36	**203.782**	C19-C36	26133
C19-C36 Hexane Blank	**33.091**		

Surrogates		
1-Chlorooctadecane (Ali)	**10.748**	54%
2-Fluorobiphenyl (Fraction)	14.45	72%
2-Bromonaphthalene (Fraction)	14.90	75%
o-terphenyl (Aro)	16.10	80%

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091310-D\D71650.D
Acq On : 14 Sep 2010 2:45 am
Sample : 67743-1
Misc : SOIL,ARO
MS Integration Params: RTEINT.P
Quant Time: Sep 14 5:38 2010

Vial: 12
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/14/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	29420	20.00	ug/ml	-0.01
System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.59	172	112456	14.45	ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 72.25%			
10) 2-Bromonaphthalene	8.26	206	48048	14.90	ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 74.50%			
11) o-terphenyl	10.10	230	73354	16.10	ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 80.50%			
Target Compounds						Qvalue
2) Naphthalene	6.53	128	75918	6.40	ug/ml#	92
3) 2-Methylnaphthalene	7.22	141	84471	13.06	ug/ml	99
6) Fluorene	8.81	166	7354	1.02	ug/ml#	54
16) Benzo[b] fluoranthene	16.00	252	41	1.40	ug/ml#	58

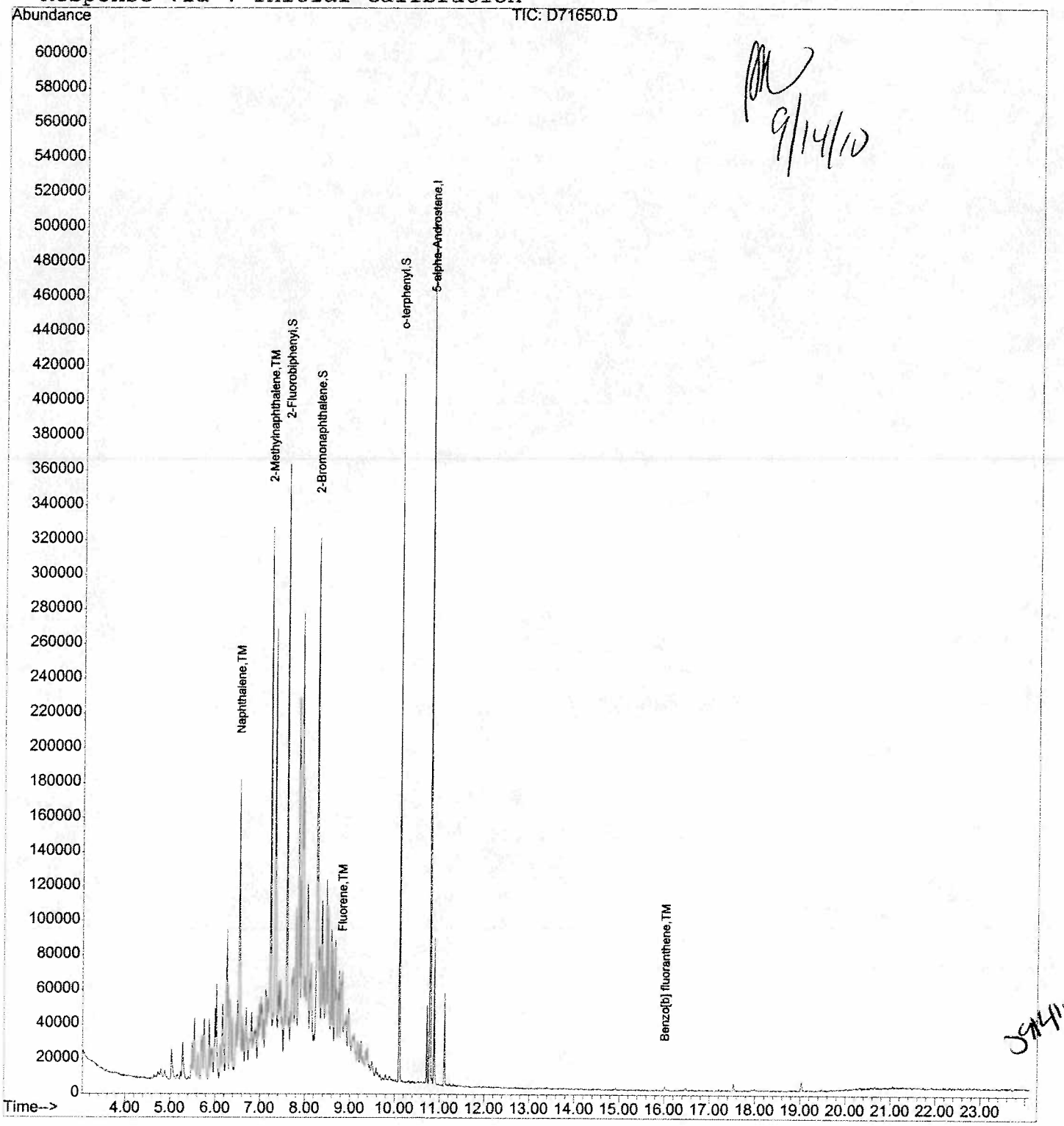
09-14-10

(#) = qualifier out of range (m) = manual integration
D71650.D ARM80410.M Tue Sep 14 05:38:43 2010

Quantitation Report

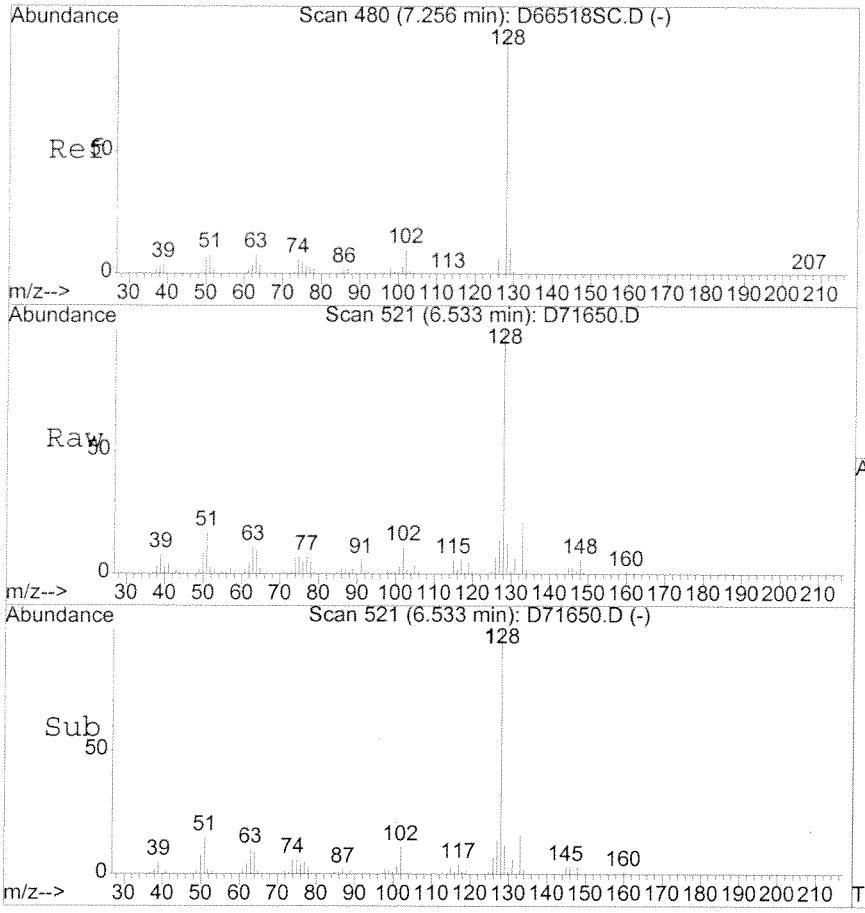
Data File : D:\HPCHEM\1\DATA\091310-D\D71650.D Vial: 12
Acq On : 14 Sep 2010 2:45 am Operator: AR
Sample : 67743-1 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 5:38 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/14/10

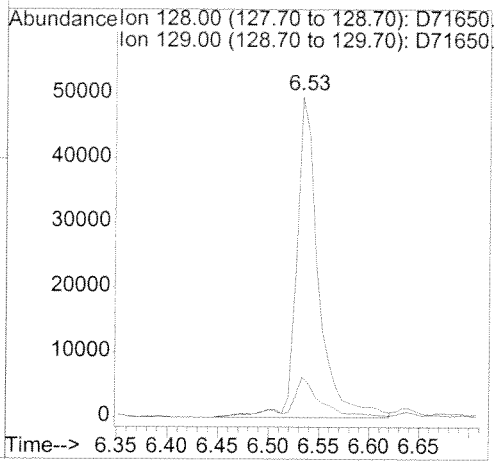
9/14/10

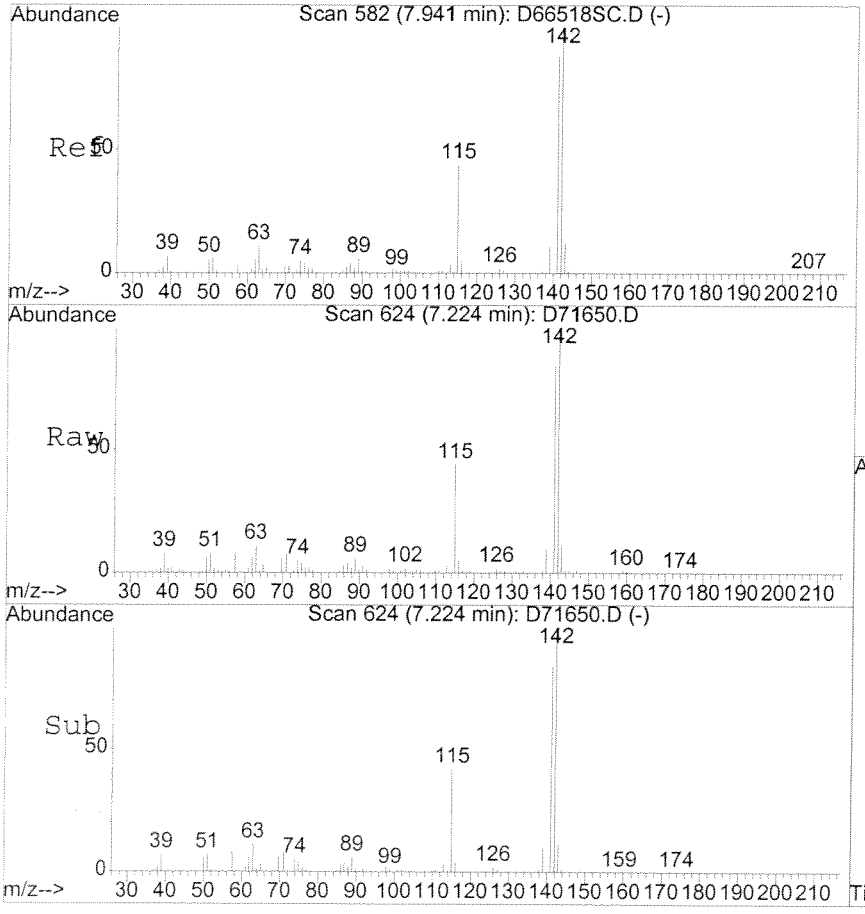


#2
Naphthalene
Concen: 6.40 ug/ml
RT: 6.53 min Scan# 521
Delta R.T. -0.01 min
Lab File: D71650.D
Acq: 14 Sep 2010 2:45 am

Tgt Ion:128 Resp: 75918

Ion	Ratio	Lower	Upper
128	100		
129	13.9	8.6	13.0#

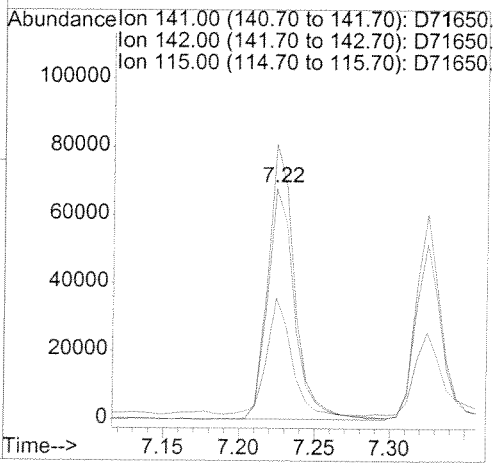


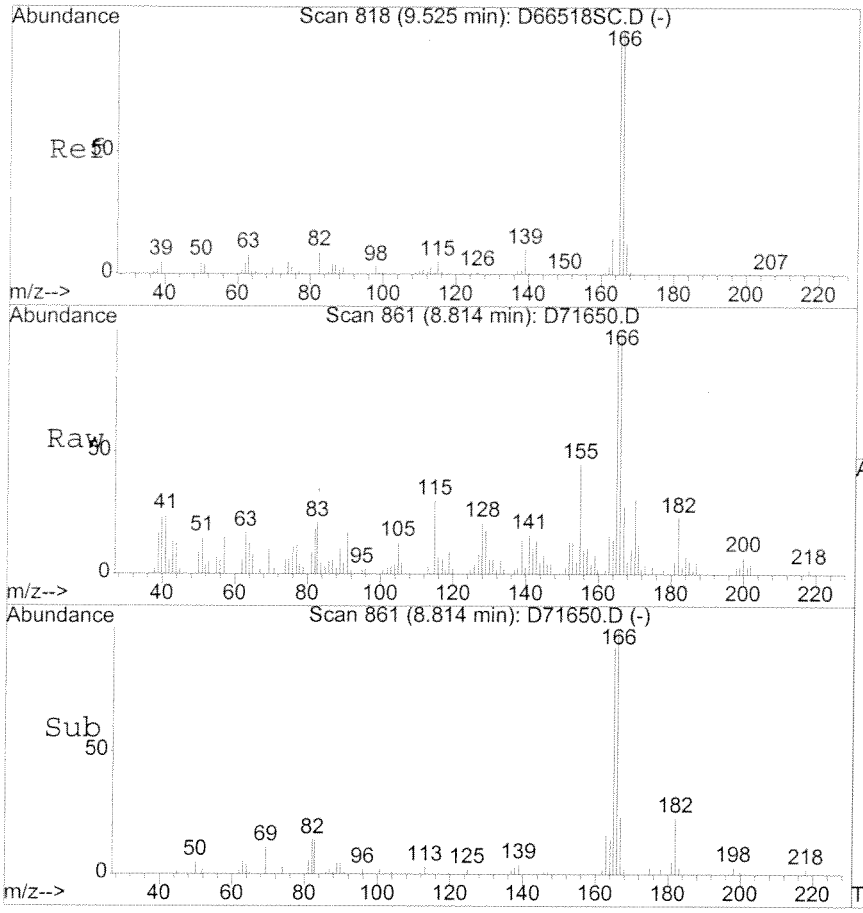


#3
2-Methylnaphthalene
Concen: 13.06 ug/ml
RT: 7.22 min Scan# 624
Delta R.T. -0.01 min
Lab File: D71650.D
Acq: 14 Sep 2010 2:45 am

Tgt Ion:141 Resp: 84471

Ion	Ratio	Lower	Upper
141	100		
142	119.2	95.5	143.3
115	47.9	36.7	55.1

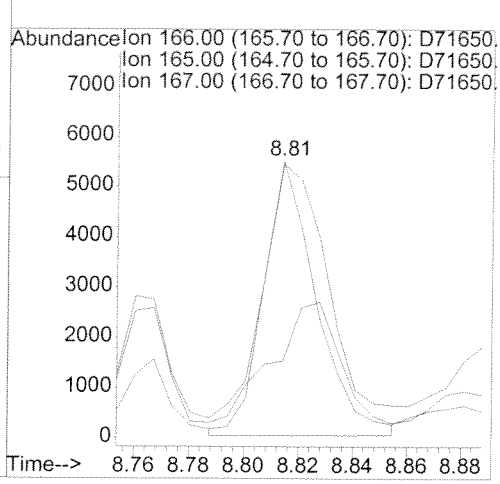




#6
Fluorene
Concen: 1.02 ug/ml
RT: 8.81 min Scan# 861
Delta R.T. -0.00 min
Lab File: D71650.D
Acq: 14 Sep 2010 2:45 am

Tgt Ion:166 Resp: 7354

Ion	Ratio	Lower	Upper
166	100		
165	125.2	73.5	110.3#
167	63.8	10.6	16.0#



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091310-D\D71650.D Vial: 12
Acq On : 14 Sep 2010 2:45 am Operator: AR
Sample : 67743-1 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 14 5:45 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/14/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5676142	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	4108048	14.667 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	73.33%
10) S 2-Bromonaphthalene	8.26	6292924	32.314 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	161.57%#
11) S o-terphenyl	10.11	3882777	14.607 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	73.03%
Target Compounds			
2) TZ Naphthalene	6.54	2994920	9.794 ug/ml
3) TZ 2-Methylnaphthalene	7.23	4209971	14.229 ug/ml
4) TZ Acenaphthylene	8.13	391966	1.401 ug/ml
5) TZ Acenaphthene	8.26	6292924	19.467 ug/ml
6) TZ Fluorene	8.83	1010554	3.725 ug/ml
7) TZ Phenanthrene	9.80	86828	<MDL ug/ml
8) TZ Anthracene	9.80	86828	<MDL ug/ml
12) TZ Fluoranthene	11.07	7643	<MDL ug/ml
13) TZ Pyrene	11.35	18129	<MDL ug/ml
14) TZ Benzo[a]anthracene	13.55	7748	1.220 ug/ml
15) TZ Chrysene	13.62	10981	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	15.85	7847	1.271 ug/ml
17) TZ Benzo[k] fluoranthene	15.92	4561	<MDL ug/ml
18) TZ Benzo[a] pyrene	16.53	8983	1.042 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.82	10908	2.059 ug/ml
20) TZ Dibenz [a,h] anthracene	18.86	18564	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	19.35	10065	<MDL ug/ml
22) XH c11-c22	11.73	100326489	405.599 ug/ml

70-60
391410

(f)=RT Delta > 1/2 Window (m)=manual int.

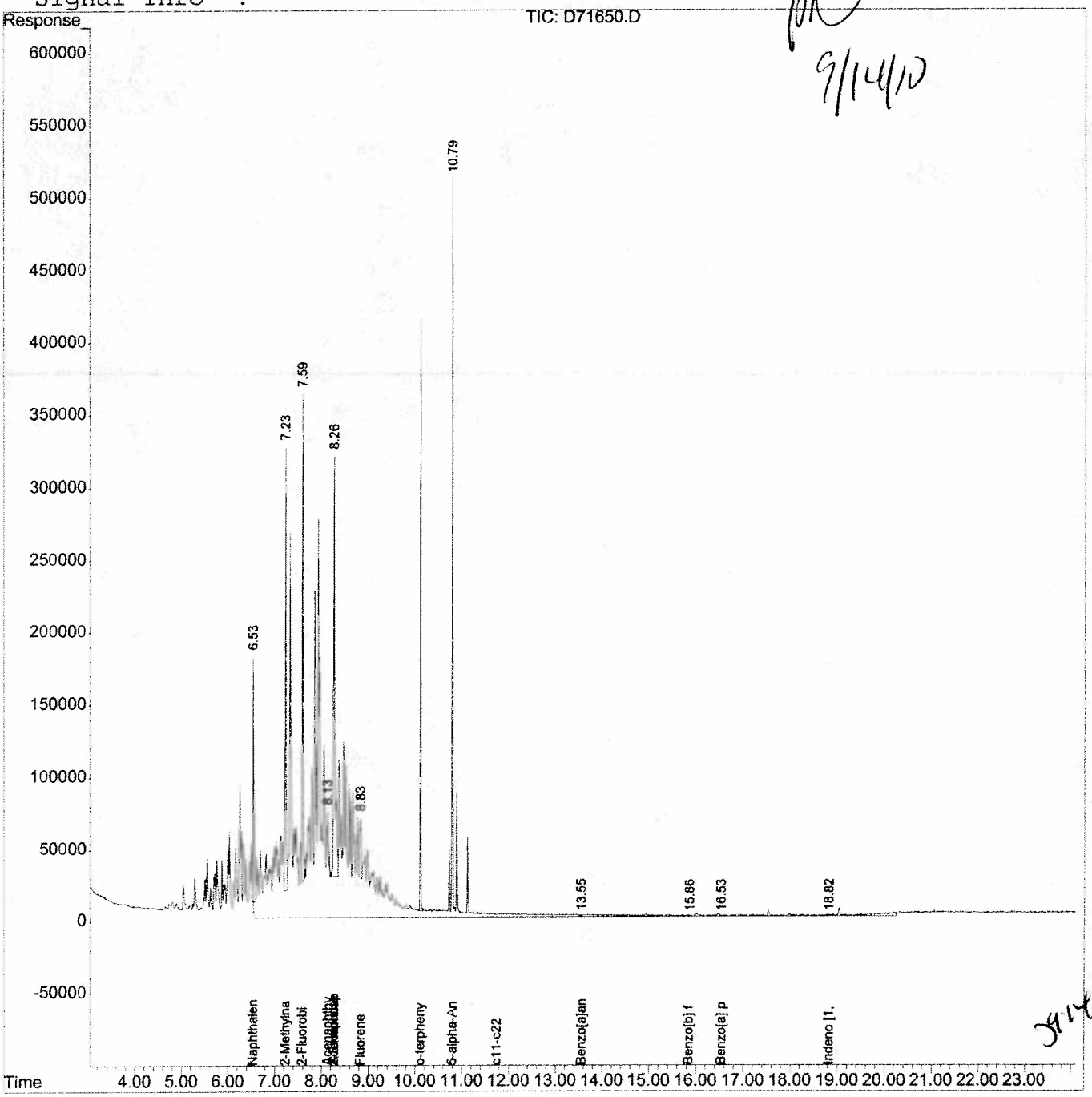
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091310-D\D71650.D Vial: 12
Acq On : 14 Sep 2010 2:45 am Operator: AR
Sample : 67743-1 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 14 5:45 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/14/10



9/14/10

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\091310-D\D71649.D Vial: 11
Acq On : 14 Sep 2010 2:15 am Operator: AR
Sample : 67743-1 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 14 2:43 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/14/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5692318	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	3754479	10.748 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	53.74%
Target Compounds			
2) TZM C-9	4.00	98012	<MDL ug/ml
3) TZM C-10	5.04	119385	<MDL ug/ml
4) TZM C-12	6.49	1452320	3.741 ug/ml
5) TZM C-14	7.68	2258742	5.673 ug/ml
6) TZM C-16	8.69	328422	<MDL ug/ml
7) TZM C-18	9.60	64334	<MDL ug/ml
8) XH C9-C18	7.38	205239936	543.004 ug/ml
9) TZM C-19	10.02	66417	<MDL ug/ml
10) TZM C-20	10.49	356250	<MDL ug/ml
12) TZM C-22	11.43	44401	<MDL ug/ml
13) TZM C-24	12.70	69604	<MDL ug/ml
14) TZM C-26	14.17	114786	<MDL ug/ml
15) TZM C-28	15.70	134767	<MDL ug/ml
16) TZM C-30	17.21	122388	<MDL ug/ml
17) TZM C-36	21.25	16457	4.125 ug/ml
18) XH C19-C36	11.90	63908165	203.782 ug/ml

22.065/33.091

9-14-10

(f)=RT Delta > 1/2 Window (m)=manual int.

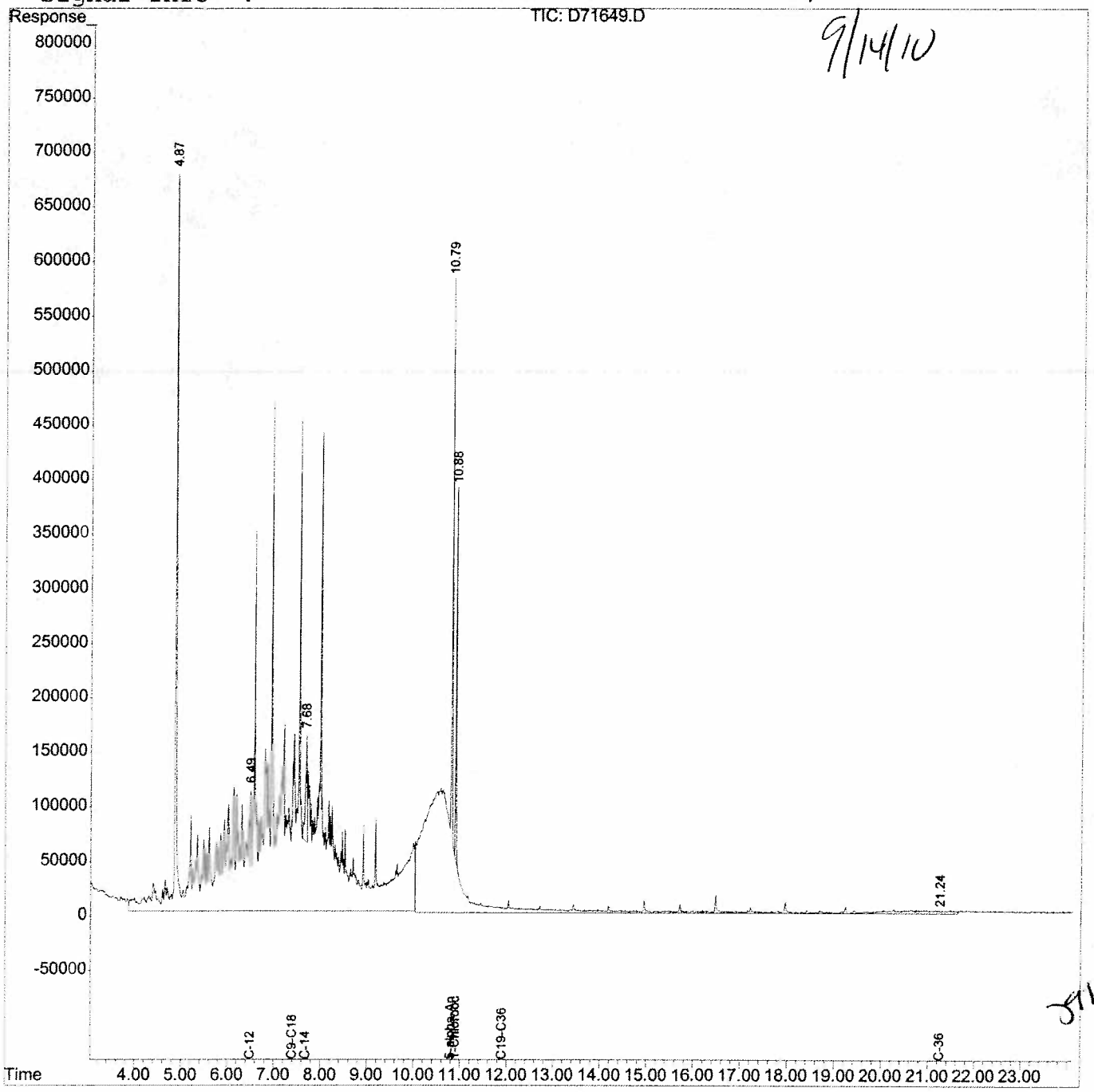
Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\091310-D\D71649.D Vial: 11
Acq On : 14 Sep 2010 2:15 am Operator: AR
Sample : 67743-1 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 14 2:43 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/14/10



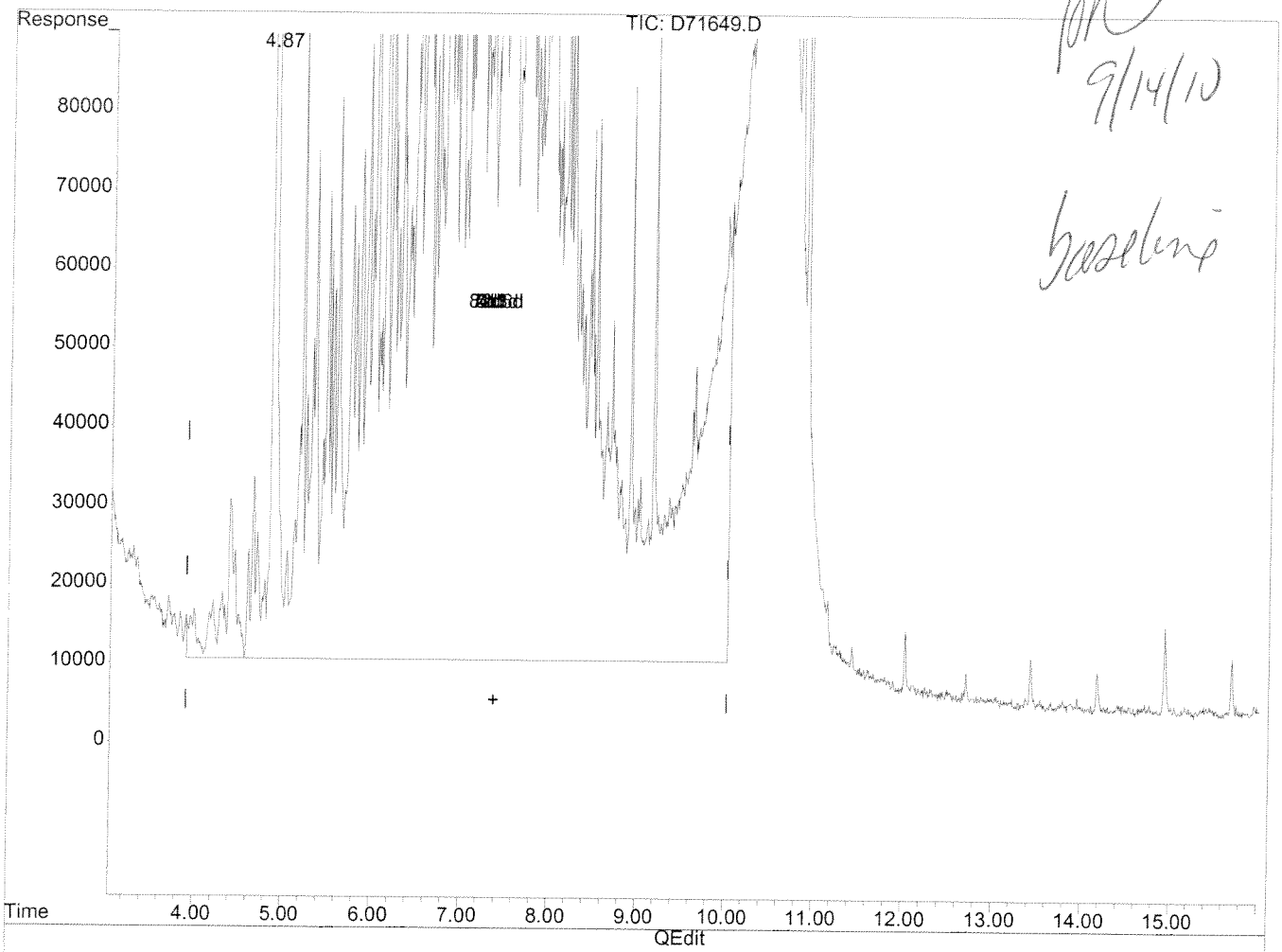
9/14/10

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091310-D\D71649.D
Acq On : 14 Sep 2010 2:15 am
Sample : 67743-1
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Sep 14 2:42 2010 Quant Results File: ALG80410.RES

Vial: 11
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration



9/14/10

baseline

(8) C9-C18 (XH)

7.38min 486.352ug/ml m

response 183827079

59.1410

(+) = Expected Retention Time

D71649.D ALG80410.M Tue Sep 14 02:42:57 2010

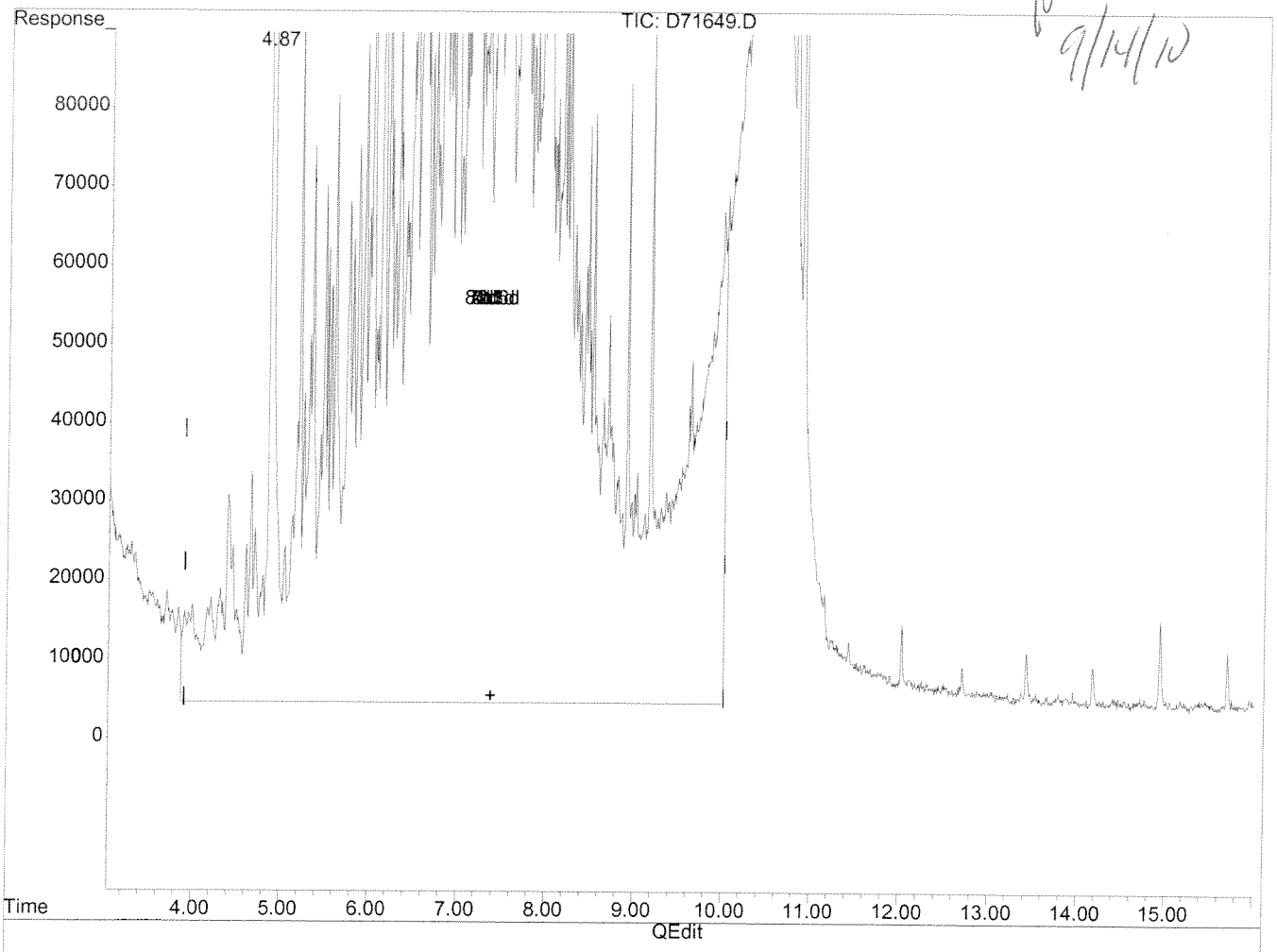
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\091310-D\D71649.D
Acq On : 14 Sep 2010 2:15 am
Sample : 67743-1
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Sep 14 2:42 2010 Quant Results File: ALG80410.RES

Vial: 11
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration

9/14/10



(8) C9-C18 (XH)

7.38min 543.004ug/ml m

response 205239936

9-14-10

(+) = Expected Retention Time
D71649.D ALG80410.M Tue Sep 14 02:43:07 2010

EPH
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:EPHQC.doc

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743

SAMPLE ID	SMC 1 (%)	#
B091310EASE	44	
L091310EASE	57	
LD091310EASE	72	
67743-1	54	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B091310EASE	83		82		87	
L091310EASE	73		74		85	
LD091310EASE	70		68		85	
67743-1	72		75		80	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743

SAMPLE ID	SMC 1 (%)	#
B091310EASE,,RR	43	
67743-1,MS	40	
67743-1,MSD	63	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B091310EASE,,RR	80		78		82	
67743-1,MS	82		80		82	
67743-1,MSD	80		77		73	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

PN 9/14/10

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B091310EASE
Spike: L091310EASE
Spike duplicate: LD091310EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3333	3333	30	140	25	0	2046	61		2008	60		2	
C-10	3333	3333	40	140	25	0	2322	70		2327	70		0	
C-12	3333	3333	40	140	25	0	2566	77		2438	73		5	
C-14	3333	3333	40	140	25	0	2672	80		2634	79		1	
C-16	3333	3333	40	140	25	0	2650	79		2733	82		3	
C-18	3333	3333	40	140	25	0	2814	84		2691	81		4	
C-19	3333	3333	40	140	25	0	2814	84		2858	86		2	
C-20	3333	3333	40	140	25	0	2793	84		2774	83		1	
C-22	3333	3333	40	140	25	0	2702	81		2644	79		2	
C-24	3333	3333	40	140	25	0	2462	74		2558	77		4	
C-26	3333	3333	40	140	25	0	2446	73		2370	71		3	
C-28	3333	3333	40	140	25	0	2371	71		2425	73		2	
C-30	3333	3333	40	140	25	0	2318	70		2373	71		2	
C-36	3333	3333	40	140	25	0	2144	64		2025	61		6	
C9-C18 Aliphatics	20000	20000	40	140	25	0	15070	75		14830	74		2	
C19-C36 Aliphatics	26667	26667	40	140	25	0	20050	75		20028	75		0	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

391410

Data File : D:\HPCHEM\1\DATA\091310-D\D71645Q.D
Acq On : 14 Sep 2010 12:15 am
Sample : LD091310EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Sep 14 5:42 2010 Quant Results File: ALG80410.RES

Vial: 7
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

OK 9/14/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5530260	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	4871520	14.354 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	71.77%
Target Compounds			
2) TZM C-9	4.03	5172719	15.063 ug/ml
3) TZM C-10	5.02	6128438	17.451 ug/ml
4) TZM C-12	6.49	6896429	18.286 ug/ml
5) TZM C-14	7.67	7640771	19.754 ug/ml
6) TZM C-16	8.69	7652251	20.495 ug/ml
7) TZM C-18	9.60	7494106	20.179 ug/ml
9) TZM C-19	10.02	7873980	21.435 ug/ml
10) TZM C-20	10.45	7490106	20.805 ug/ml
12) TZM C-22	11.43	7073637	19.834 ug/ml
13) TZM C-24	12.70	6567232	19.184 ug/ml
14) TZM C-26	14.17	5635556	17.774 ug/ml
15) TZM C-28	15.71	5060095	18.187 ug/ml
16) TZM C-30	17.21	4458811	17.800 ug/ml
17) TZM C-36	21.25	2329041	15.191 ug/ml
18) XH C19-C36	11.90	54452551	178.719 ug/ml

9/14/10

(f)=RT Delta > 1/2 Window (m)=manual int.

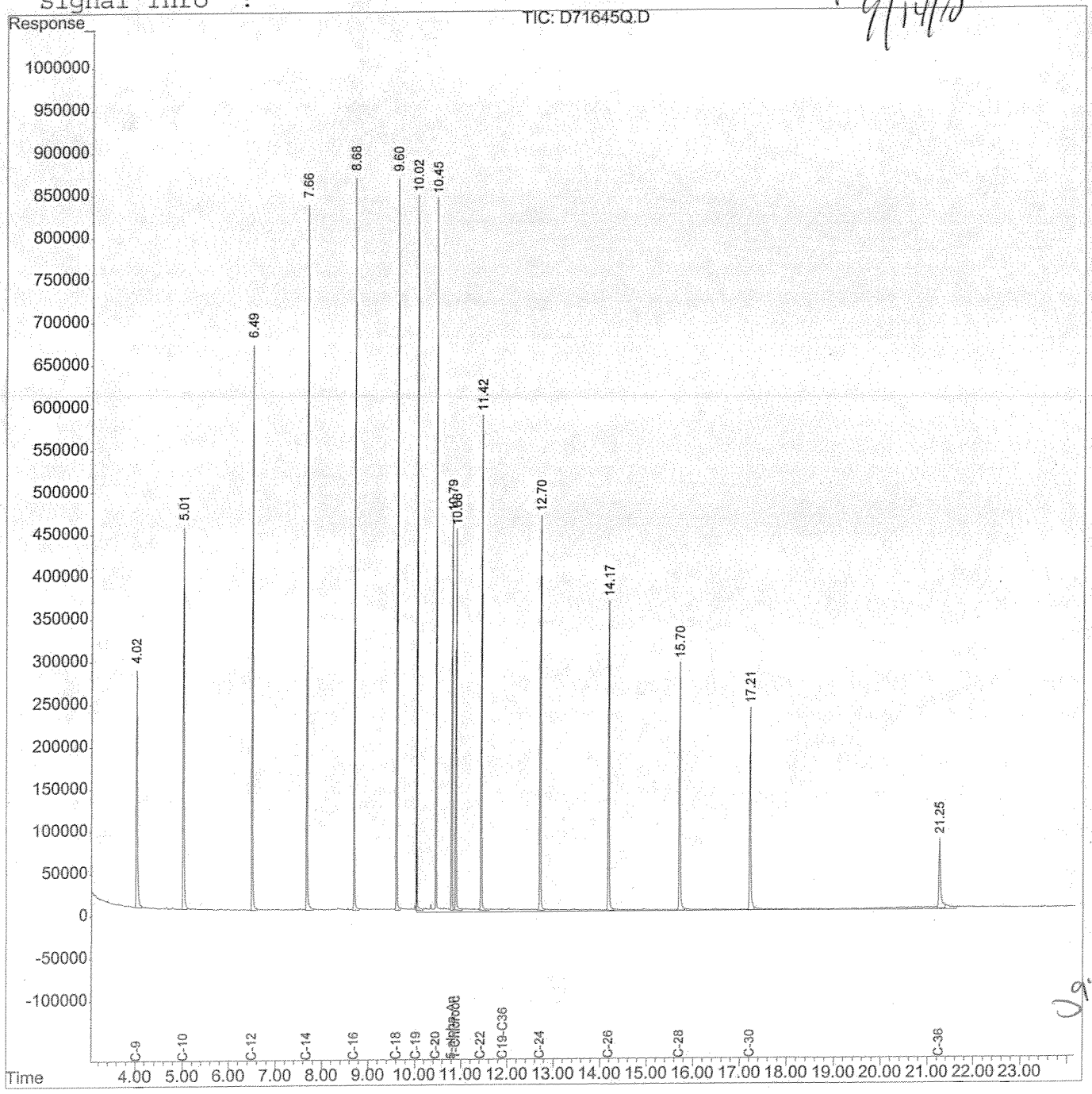
Data File : D:\HPCHEM\1\DATA\091310-D\D71645Q.D
Acq On : 14 Sep 2010 12:15 am
Sample : LD091310EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Sep 14 5:42 2010 Quant Results File: ALG80410.RES

Vial: 7
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/14/10



9/14/10

Data File : D:\HPCHEM\1\DATA\091310-D\D71644Q.D Vial: 6
Acq On : 13 Sep 2010 11:45 pm Operator: AR
Sample : L091310EASE Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 14 5:42 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PK 9/14/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5177341 ✓	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	3642508	11.465 ug/ml ✓
Spiked Amount 20.000 Range 40 - 140		Recovery =	57.33% ✓
Target Compounds			
2) TZM C-9	4.03	4932863	15.344 ug/ml
3) TZM C-10	5.01	5726425	17.418 ug/ml
4) TZM C-12	6.49	6793983	19.243 ug/ml
5) TZM C-14	7.67	7258016	20.044 ug/ml
6) TZM C-16	8.69	6946449	19.873 ug/ml
7) TZM C-18	9.60	7338169	21.106 ug/ml
8) XH C9-C18	7.38	50301365	146.320 ug/ml
9) TZM C-19	10.02	7258290	21.105 ug/ml
10) TZM C-20	10.45	7060878	20.950 ug/ml
12) TZM C-22	11.43	6767256	20.268 ug/ml
13) TZM C-24	12.70	5916580	18.462 ug/ml
14) TZM C-26	14.17	5444984	18.344 ug/ml
15) TZM C-28	15.71	4630855	17.779 ug/ml
16) TZM C-30	17.21	4076278	17.382 ug/ml
17) TZM C-36	21.25	2359708	16.083 ug/ml
18) XH C19-C36	11.90	50493847	177.023 ug/ml

J91410

(f)=RT Delta > 1/2 Window (m)=manual int.

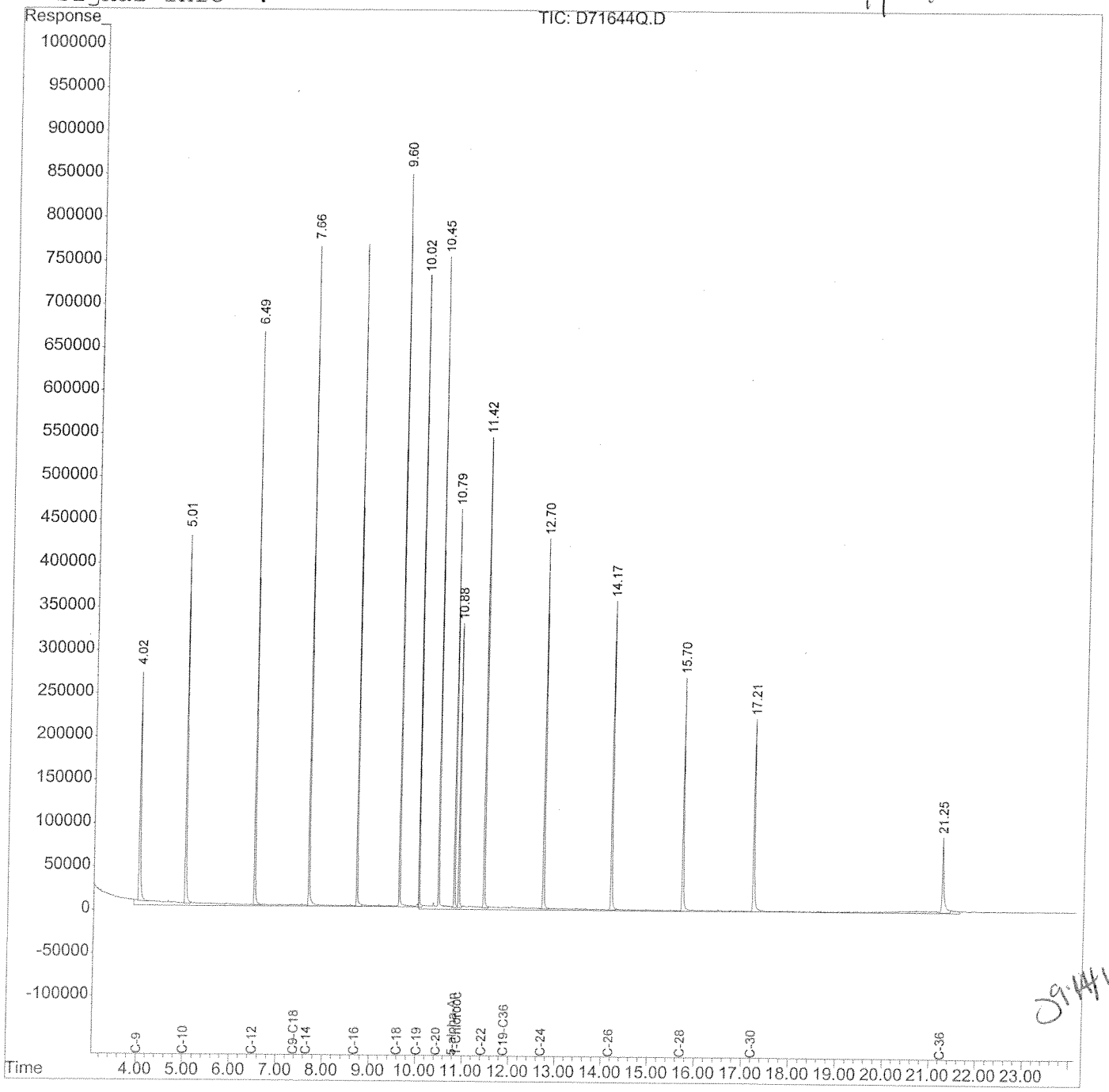
Data File : D:\HPCHEM\1\DATA\091310-D\D71644Q.D
Acq On : 13 Sep 2010 11:45 pm
Sample : L091310EASE
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Sep 14 5:42 2010 Quant Results File: ALG80410.RES

Vial: 6
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/14/10



9/14/10

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: L091310EASE
Aromatic LCS: L091310EASE

9/14/10

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	14.9	0.0	
2-Methylnaphthalene	0	5	0.00	16.1	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

_____

091410

EPH ARO BREAKTHROUGH

Data File : D:\HPCHEM\1\DATA\091310-D\D71644Q.D
Acq On : 13 Sep 2010 11:45 pm
Sample : L091310EASE
Misc : SOIL,ALI
MS Integration Params: RTEINT.P
Quant Time: Sep 14 5:35 2010

Vial: 6
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	26772	20.00 ug/ml	0.00

System Monitoring Compounds

9) 2-Fluorobiphenyl		0.00	172	0	0.00 ug/ml
Spiked Amount	20.000	Range	40 - 140	Recovery	= 0.00%#
10) 2-Bromonaphthalene		0.00	206	0	0.00 ug/ml
Spiked Amount	20.000	Range	40 - 140	Recovery	= 0.00%#
11) o-terphenyl		0.00	230	0	0.00 ug/ml
Spiked Amount	20.000	Range	40 - 140	Recovery	= 0.00%#

Target Compounds Qvalue

3/14/10

(#) = qualifier out of range (m) = manual integration
D71644Q.D ARM80410.M Tue Sep 14 05:35:09 2010

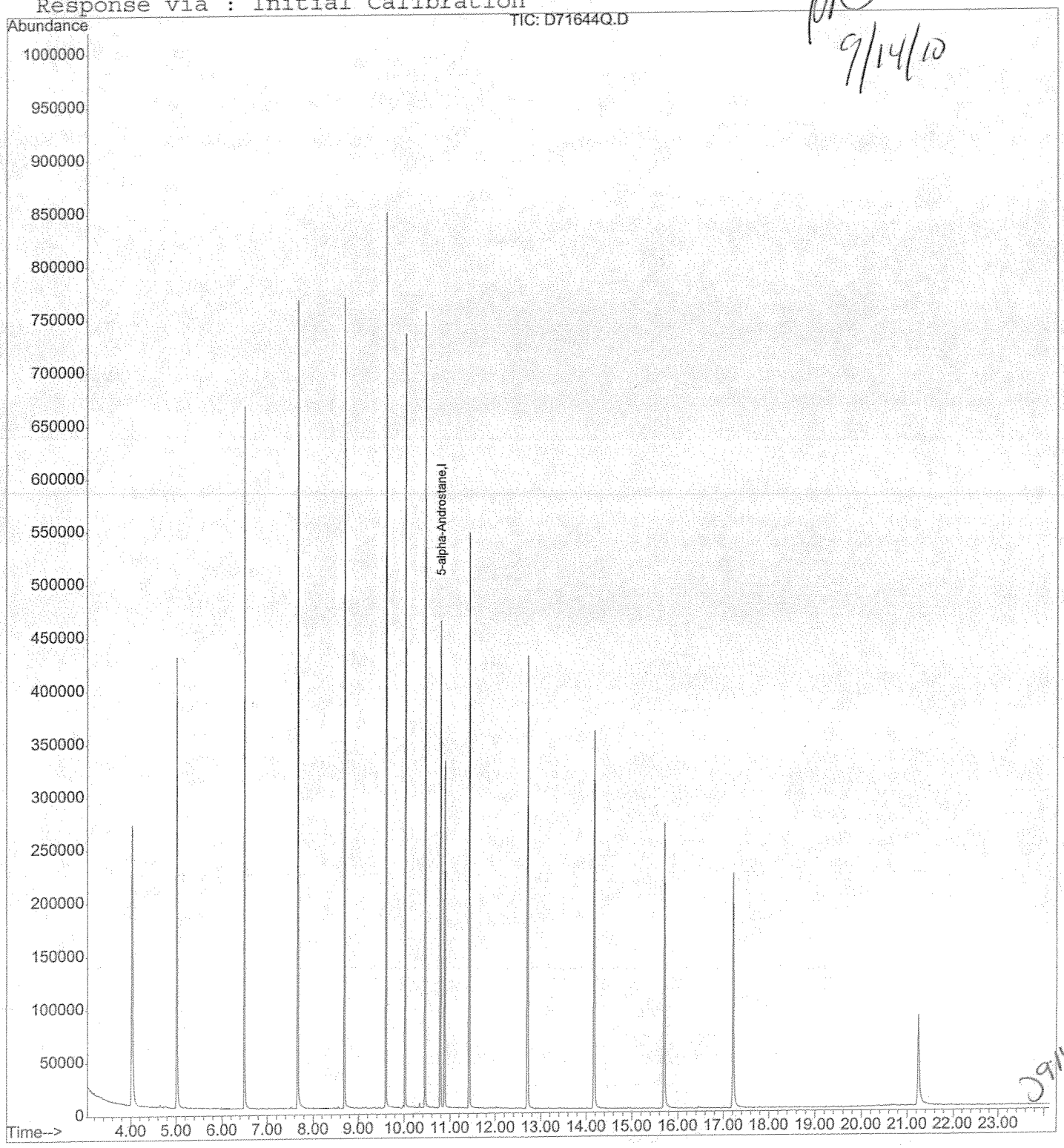
Data File : D:\HPCHEM\1\DATA\091310-D\D71644Q.D
Acq On : 13 Sep 2010 11:45 pm
Sample : L091310EASE
Misc : SOIL,ALI
MS Integration Params: RTEINT.P
Quant Time: Sep 14 5:35 2010

Vial: 6
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration

9/14/10



D91410

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: LD091310EASE
Aromatic LCS: LD091310EASE

9/14/10

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	17.7	0.0	
2-Methylnaphthalene	0	5	0.00	18.1	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

9-14-10

Data File : D:\HPCHEM\1\DATA\091310-D\D71645Q.D Vial: 7
Acq On : 14 Sep 2010 12:15 am Operator: AR
Sample : LD091310EASE Inst : GC/MS Ins
Misc : SOIL,ALL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 5:35 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	28604	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	0.00	172	0	0.00 ug/ml	
Spiked Amount 20.000	Range 40 - 140		Recovery = 0.00%#		
10) 2-Bromonaphthalene	8.33	206	1365	0.44 ug/ml	0.06
Spiked Amount 20.000	Range 40 - 140		Recovery = 2.20%#		
11) o-terphenyl	0.00	230	0	0.00 ug/ml	
Spiked Amount 20.000	Range 40 - 140		Recovery = 0.00%#		

Target Compounds					Qvalue
16) Benzo[b] fluoranthene	15.71	252	50	1.41 ug/ml#	1

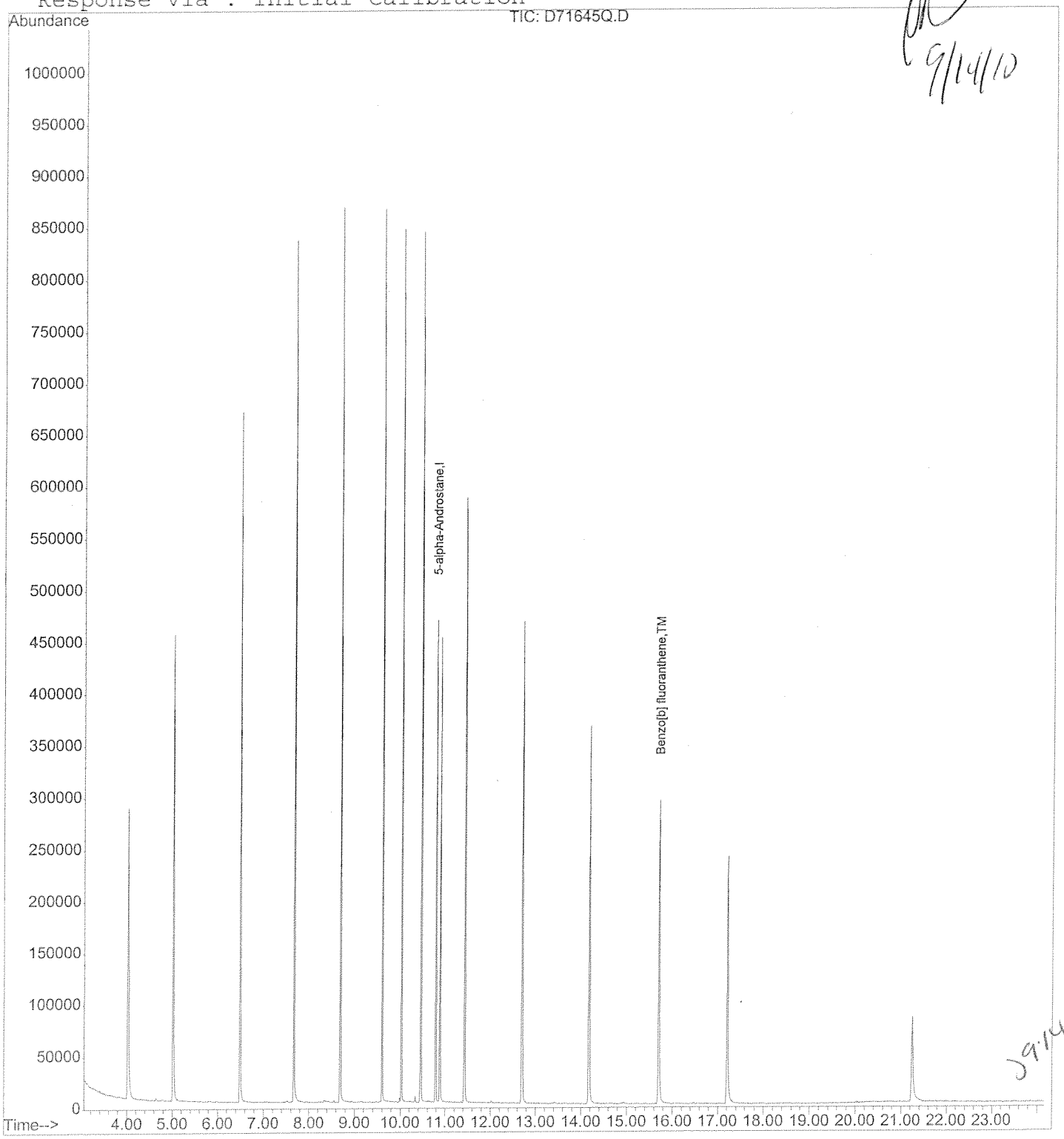
9/14/10

(#) = qualifier out of range (m) = manual integration
D71645Q.D ARM80410.M Tue Sep 14 05:35:10 2010 Page 1

Data File : D:\HPCHEM\1\DATA\091310-D\D71645Q.D Vial: 7
Acq On : 14 Sep 2010 12:15 am Operator: AR
Sample : LD091310EASE Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 5:35 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration

9/14/10



9/14/10

EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

9/14/10

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B091310EASE
Spike: L091310EASE
Spike duplicate: LD091310EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3333	3333	40	140	30	0	1988	60		2360	71		17	
2-Methylnaphthalene	3333	3333	40	140	30	0	2151	65		2410	72		11	
Acenaphthylene	3333	3333	40	140	30	0	2306	69		2502	75		8	
Acenaphthene	3333	3333	40	140	30	0	2389	72		2520	76		5	
Fluorene	3333	3333	40	140	30	0	2448	73		2659	80		8	
Phenanthrene	3333	3333	40	140	30	0	2647	79		2863	86		8	
Anthracene	3333	3333	40	140	30	0	2662	80		2738	82		3	
Fluoranthene	3333	3333	40	140	30	0	2698	81		2860	86		6	
Pyrene	3333	3333	40	140	30	0	2669	80		2835	85		6	
Benzo[a]anthracene	3333	3333	40	140	30	0	2683	80		2859	86		6	
Chrysene	3333	3333	40	140	30	0	2616	78		2781	83		6	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	2587	78		2670	80		3	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	2728	82		2813	84		3	
Benzo[a] pyrene	3333	3333	40	140	30	0	2743	82		2680	80		2	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	3560	107		2743	82		26	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	2826	85		2661	80		6	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	2925	88		2843	85		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

9/14/10

EPH ARO FORM 3

Data File : D:\HPCHEM\1\DATA\091310-D\D71647Q.D Vial: 9
Acq On : 14 Sep 2010 1:15 am Operator: AR
Sample : L091310EASE Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 5:35 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

PN 9/14/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	10.78	95	29753	20.00	ug/ml	-0.01

System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.59	172	114170	14.51	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 72.55%			
10) 2-Bromonaphthalene	8.26	206	48400	14.84	ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 74.20%			
11) o-terphenyl	10.11	230	78084	16.94	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 84.70%			

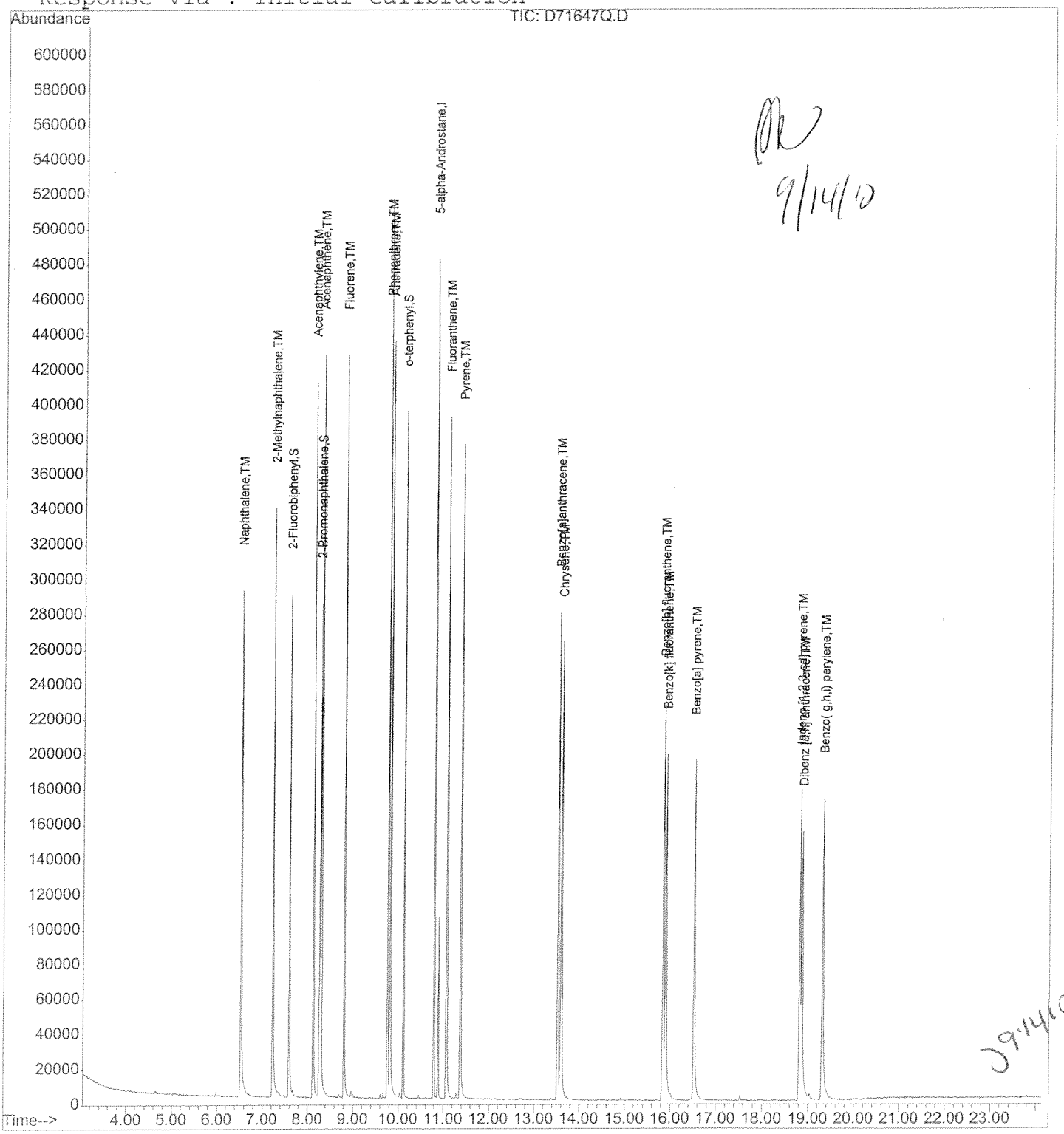
Target Compounds						Qvalue
2) Naphthalene	6.53	128	178989	14.91	ug/ml	99
3) 2-Methylnaphthalene	7.23	141	105512	16.13	ug/ml	98
4) Acenaphthylene	8.12	152	195387	17.29	ug/ml	100
5) Acenaphthene	8.29	154	112950	17.91	ug/ml	99
6) Fluorene	8.80	166	134488	18.36	ug/ml	100
7) Phenanthrene	9.76	178	196015	19.86	ug/ml	99
8) Anthracene	9.81	178	205106	19.97	ug/ml	100
12) Fluoranthene	11.07	202	207905	20.23	ug/ml	99
13) Pyrene	11.37	202	211264	20.02	ug/ml	98
14) Benzo[a]anthracene	13.52	228	163077	20.12	ug/ml	98
15) Chrysene	13.60	228	167932	19.62	ug/ml	99
16) Benzo[b] fluoranthene	15.84	252	137362	19.40	ug/ml	99
17) Benzo[k] fluoranthene	15.90	252	148919	20.46	ug/ml	98
18) Benzo[a] pyrene	16.51	252	137475	20.58	ug/ml	99
19) Indeno [1,2,3-cd] pyrene	18.81	276	146264	26.70	ug/ml#	87
20) Dibenz [a,h] anthracene	18.86	278	116817	21.19	ug/ml	98
21) Benzo(g,h,i) perylene	19.31	276	131551	21.94	ug/ml	98

D9/14/10

(#) = qualifier out of range (m) = manual integration
D71647Q.D ARM80410.M Tue Sep 14 05:35:14 2010 Page 1

Data File : D:\HPCHEM\1\DATA\091310-D\D71647Q.D Vial: 9
Acq On : 14 Sep 2010 1:15 am Operator: AR
Sample : L091310EASE Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 5:35 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/14/10

9/14/10

Data File : D:\HPCHEM\1\DATA\091310-D\D71648Q.D
Acq On : 14 Sep 2010 1:45 am
Sample : LD091310EASE
Misc : SOIL,ARO
MS Integration Params: RTEINT.P
Quant Time: Sep 14 5:35 2010

Vial: 10
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.78	95	30006	20.00 ug/ml	-0.01
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.59	172	111510	14.05 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	70.25%	
10) 2-Bromonaphthalene	8.26	206	44711	13.60 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery =	68.00%	
11) o-terphenyl	10.11	230	78830	16.96 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	84.80%	

Target Compounds					Qvalue
2) Naphthalene	6.53	128	214269	17.70 ug/ml	100
3) 2-Methylnaphthalene	7.23	141	119239	18.07 ug/ml	99
4) Acenaphthylene	8.12	152	213768	18.76 ug/ml	100
5) Acenaphthene	8.29	154	120196	18.90 ug/ml	99
6) Fluorene	8.80	166	147296	19.94 ug/ml	100
7) Phenanthrene	9.76	178	213760	21.47 ug/ml	99
8) Anthracene	9.81	178	212748	20.54 ug/ml	99
12) Fluoranthene	11.07	202	222259	21.45 ug/ml	99
13) Pyrene	11.37	202	226307	21.26 ug/ml	99
14) Benzo[a]anthracene	13.52	228	175262	21.44 ug/ml	98
15) Chrysene	13.60	228	180045	20.86 ug/ml	99
16) Benzo[b] fluoranthene	15.84	252	143374	20.03 ug/ml	100
17) Benzo[k] fluoranthene	15.90	252	154828	21.09 ug/ml	100
18) Benzo[a] pyrene	16.51	252	135211	20.10 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	18.81	276	111600	20.57 ug/ml	98
20) Dibenz [a,h] anthracene	18.86	278	110598	19.96 ug/ml	98
21) Benzo(g,h,i) perylene	19.31	276	129005	21.33 ug/ml	99

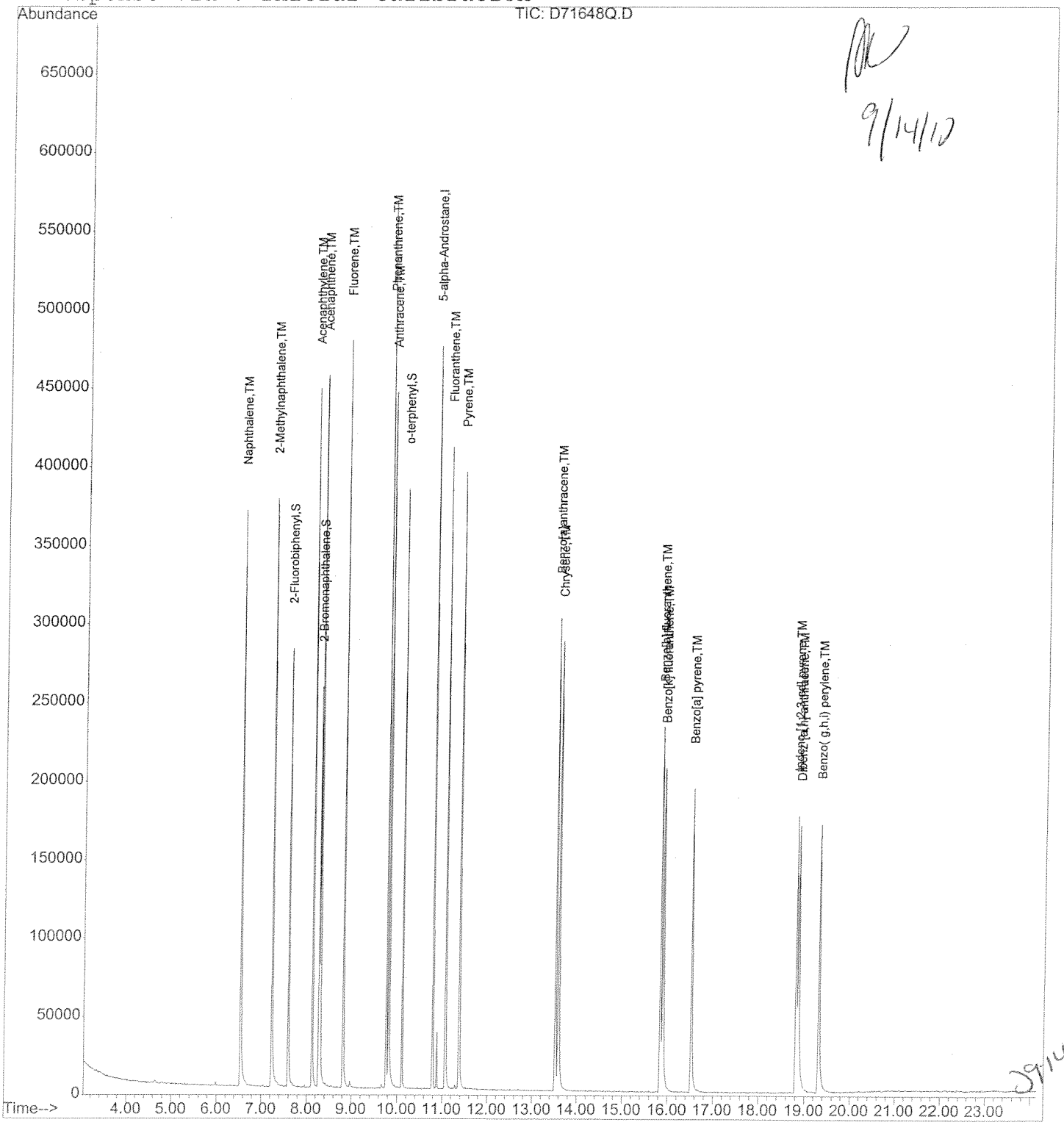
D 9/14/10

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\091310-D\D71648Q.D Vial: 10
Acq On : 14 Sep 2010 1:45 am Operator: AR
Sample : LD091310EASE Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 5:35 2010 Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/14/10

D91410

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

9/15/10

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67743-1
Spike: 67743-1,MS
Spike duplicate: 67743-1,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3898	4029	30	140	50	0	2116	54		2215	55		5	
C-10	3898	4029	40	140	50	0	2505	64		2665	66		6	
C-12	3898	4029	40	140	50	0	2981	76		3532	88		17	
C-14	3898	4029	40	140	50	0	3261	84		3469	86		6	
C-16	3898	4029	40	140	50	0	3156	81		3200	79		1	
C-18	3898	4029	40	140	50	0	3203	82		3086	77		4	
C-19	3898	4029	40	140	50	0	3209	82		3151	78		2	
C-20	3898	4029	40	140	50	0	3158	81		3341	83		6	
C-22	3898	4029	40	140	50	0	3137	80		3090	77		1	
C-24	3898	4029	40	140	50	0	2909	75		3122	77		7	
C-26	3898	4029	40	140	50	0	3059	78		2916	72		5	
C-28	3898	4029	40	140	50	0	3084	79		3137	78		2	
C-30	3898	4029	40	140	50	0	3132	80		2923	73		7	
C-36	3898	4029	40	140	50	0	2756	71		2609	65		5	

C9-C18 Aliphatics	23390	24176	40	140	50	0	17222	74		18166	75		5	
C19-C36 Aliphatics	31186	32235	40	140	50	0	24444	78		24289	75		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

SM520

EPH ALI FORM 3

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67743-1	SOIL,ALI	2.0	15.97	0.01597	0.8180	1	153.0988
67743-1,MS	SOIL,ALI	2.0	15.68	0.01568	0.8180	1	155.9303
67743-1,MSD	SOIL,ALI	2.0	15.17	0.01517	0.8180	1	161.1726

9/15/10

09W20

EPH ALI FORM 3

Data File : D:\HPCHEM\1\DATA\091310-D\D71659SP.D Vial: 13
Acq On : 14 Sep 2010 7:35 am Operator: AR
Sample : 67743-1,MS Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 15 3:53 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/15/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5281740	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	2594488	8.005 ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	40.03%
Target Compounds			
2) TZM C-9	4.03	4450838	13.571 ug/ml
3) TZM C-10	5.02	5387180	16.062 ug/ml
4) TZM C-12	6.49	6885652	19.117 ug/ml
5) TZM C-14	7.67	7726291	20.915 ug/ml
6) TZM C-16	8.69	7218215	20.242 ug/ml
7) TZM C-18	9.60	7284714	20.538 ug/ml
8) XH C9-C18	7.38	154254862	439.837 ug/ml
9) TZM C-19	10.02	7220537	20.581 ug/ml
10) TZM C-20	10.45	6964554	20.256 ug/ml
12) TZM C-22	11.43	6851595	20.115 ug/ml
13) TZM C-24	12.71	6098463	18.653 ug/ml
14) TZM C-26	14.17	5941267	19.620 ug/ml
15) TZM C-28	15.71	5255228	19.777 ug/ml
16) TZM C-30	17.21	4805835	20.088 ug/ml
17) TZM C-36	21.25	2735006	17.675 ug/ml
18) XH C19-C36	11.90	87161153	299.532 ug/ml

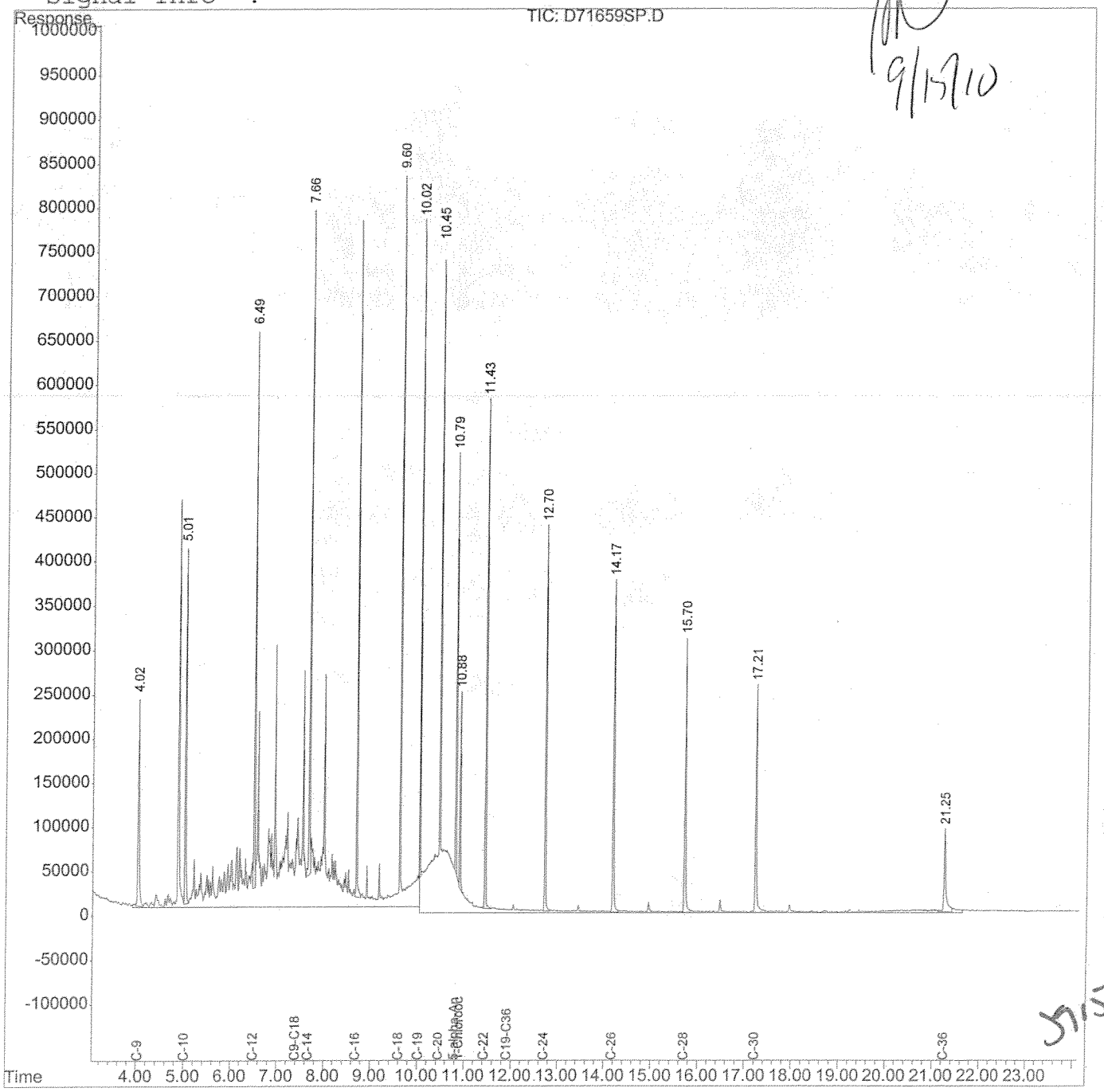
39520

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\091310-D\D71659SP.D Vial: 13
Acq On : 14 Sep 2010 7:35 am Operator: AR
Sample : 67743-1,MS Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 15 3:53 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

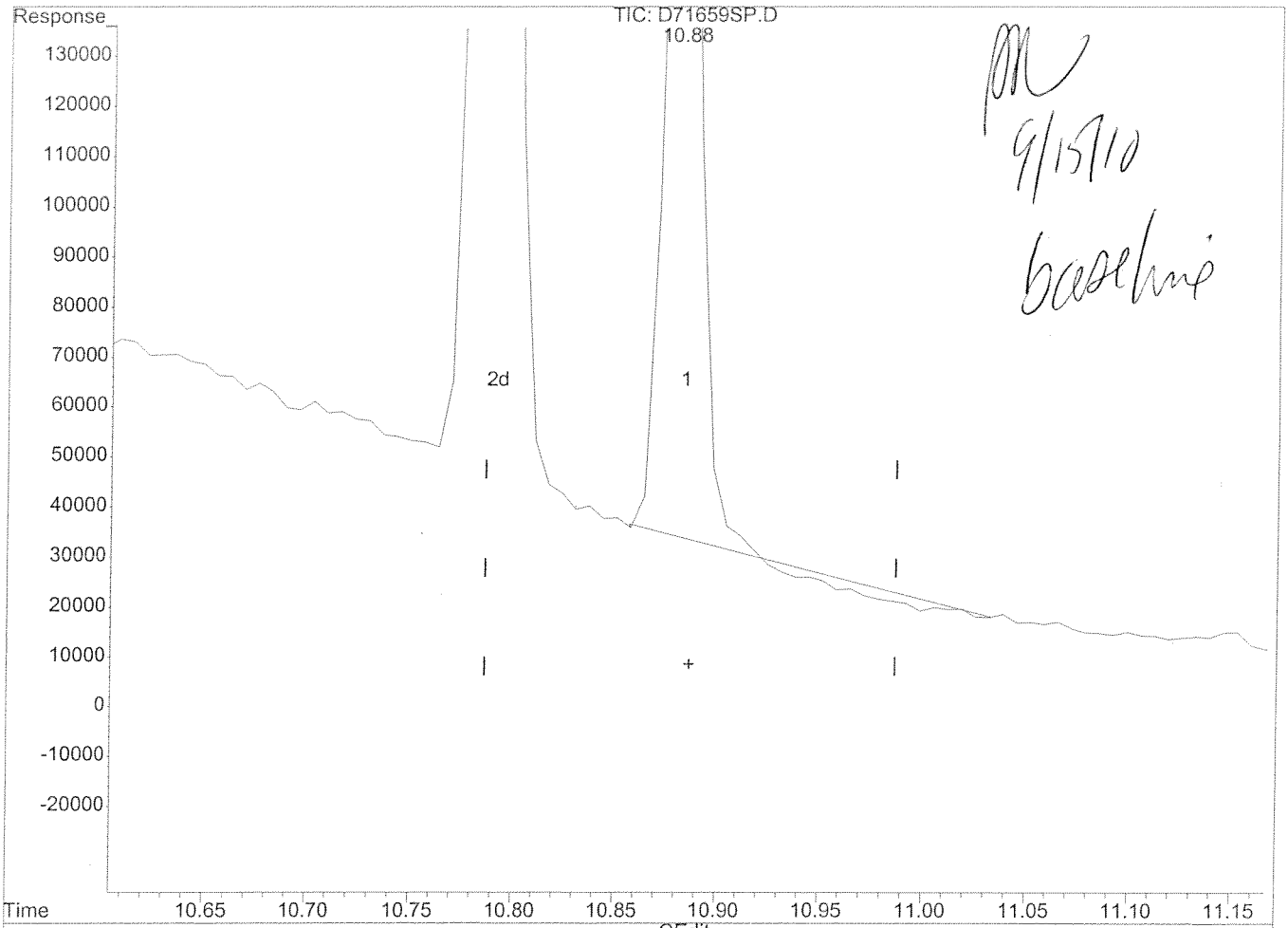
Volume Inj. :
Signal Phase :
Signal Info :



9/15/10

Data File : D:\HPCHEM\1\DATA\091310-D\D71659SP.D Vial: 13
Acq On : 14 Sep 2010 7:35 am Operator: AR
Sample : 67743-1,MS Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 15 3:53 2010 Quant Results File: ALG80410.RES

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration



PM 9/15/10 baseline

(11) 1-Chlorooctadecane (S)

10.88min 7.273ug/ml

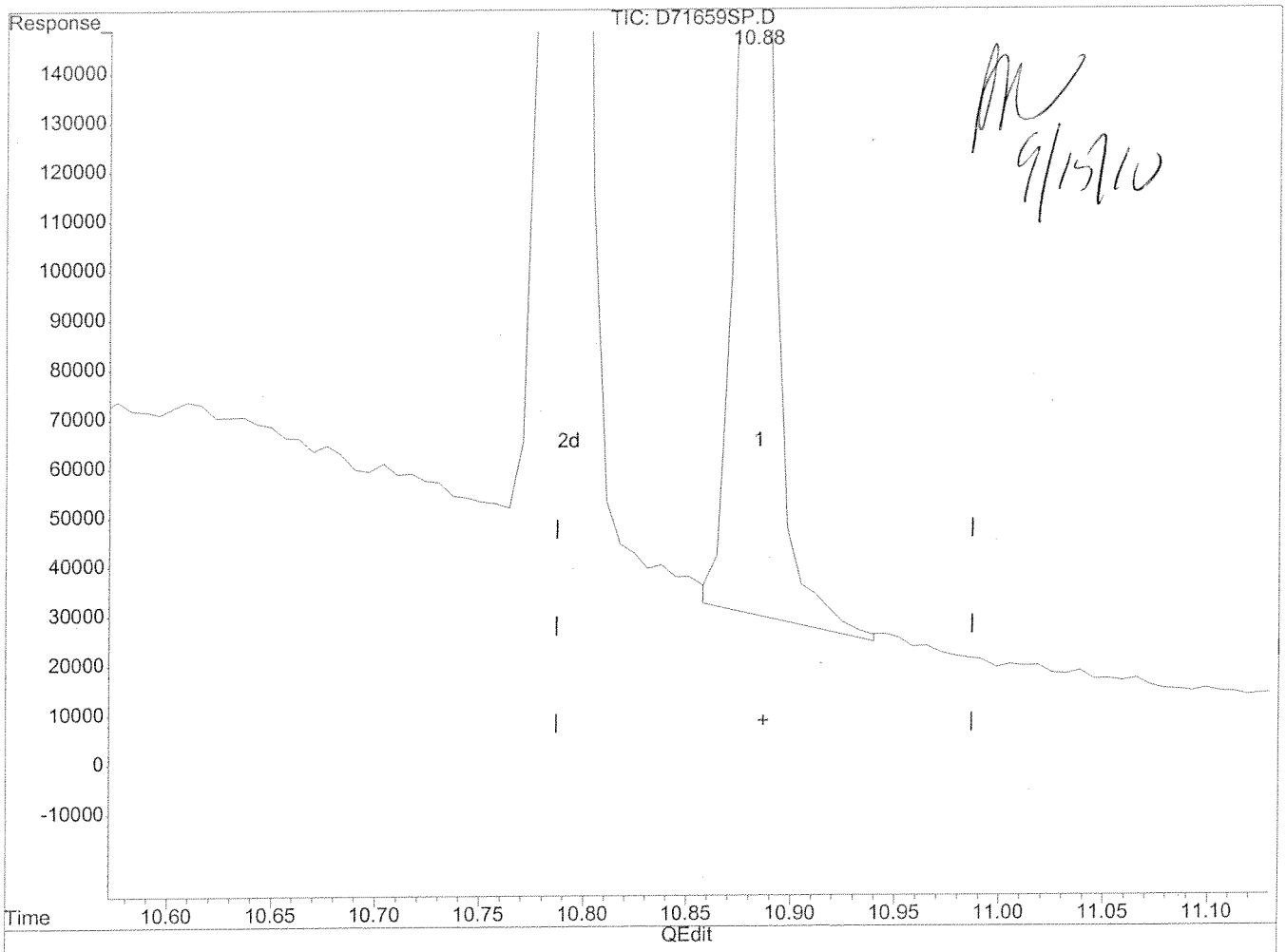
response 2357305

37.520

(+) = Expected Retention Time
D71659SP.D ALG80410.M Wed Sep 15 03:53:18 2010

Data File : D:\HPCHEM\1\DATA\091310-D\D71659SP.D Vial: 13
Acq On : 14 Sep 2010 7:35 am Operator: AR
Sample : 67743-1,MS Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 15 3:53 2010 Quant Results File: ALG80410.RES

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration



MV 9/15/10

(11) 1-Chlorooctadecane (S)

10.88min 8.005ug/ml m

response 2594488

9/15/10

(+) = Expected Retention Time
D71659SP.D ALG80410.M Wed Sep 15 03:53:48 2010

Data File : D:\HPCHEM\1\DATA\091310-D\D71660SP.D Vial: 14
Acq On : 14 Sep 2010 8:05 am Operator: AR
Sample : 67743-1,MSD Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 15 3:55 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/15/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5508602	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	4260398	12.603 ug/ml m
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.02%
Target Compounds			
2) TZM C-9	4.03	4700154	13.741 ug/ml
3) TZM C-10	5.02	5785031	16.538 ug/ml
4) TZM C-12	6.49	8232807	21.916 ug/ml
5) TZM C-14	7.67	8291624	21.521 ug/ml
6) TZM C-16	8.69	7383414	19.853 ug/ml
7) TZM C-18	9.60	7082151	19.145 ug/ml
8) XH C9-C18	7.38	162022850	442.961 ug/ml
9) TZM C-19	10.02	7153812	19.551 ug/ml
10) TZM C-20	10.45	7433899	20.730 ug/ml
12) TZM C-22	11.43	6811203	19.173 ug/ml
13) TZM C-24	12.70	6605017	19.371 ug/ml
14) TZM C-26	14.17	5713372	18.090 ug/ml
15) TZM C-28	15.70	5394432	19.465 ug/ml
16) TZM C-30	17.21	4524754	18.134 ug/ml
17) TZM C-36	21.25	2532983	16.188 ug/ml
18) XH C19-C36	11.90	92884968	306.057 ug/ml

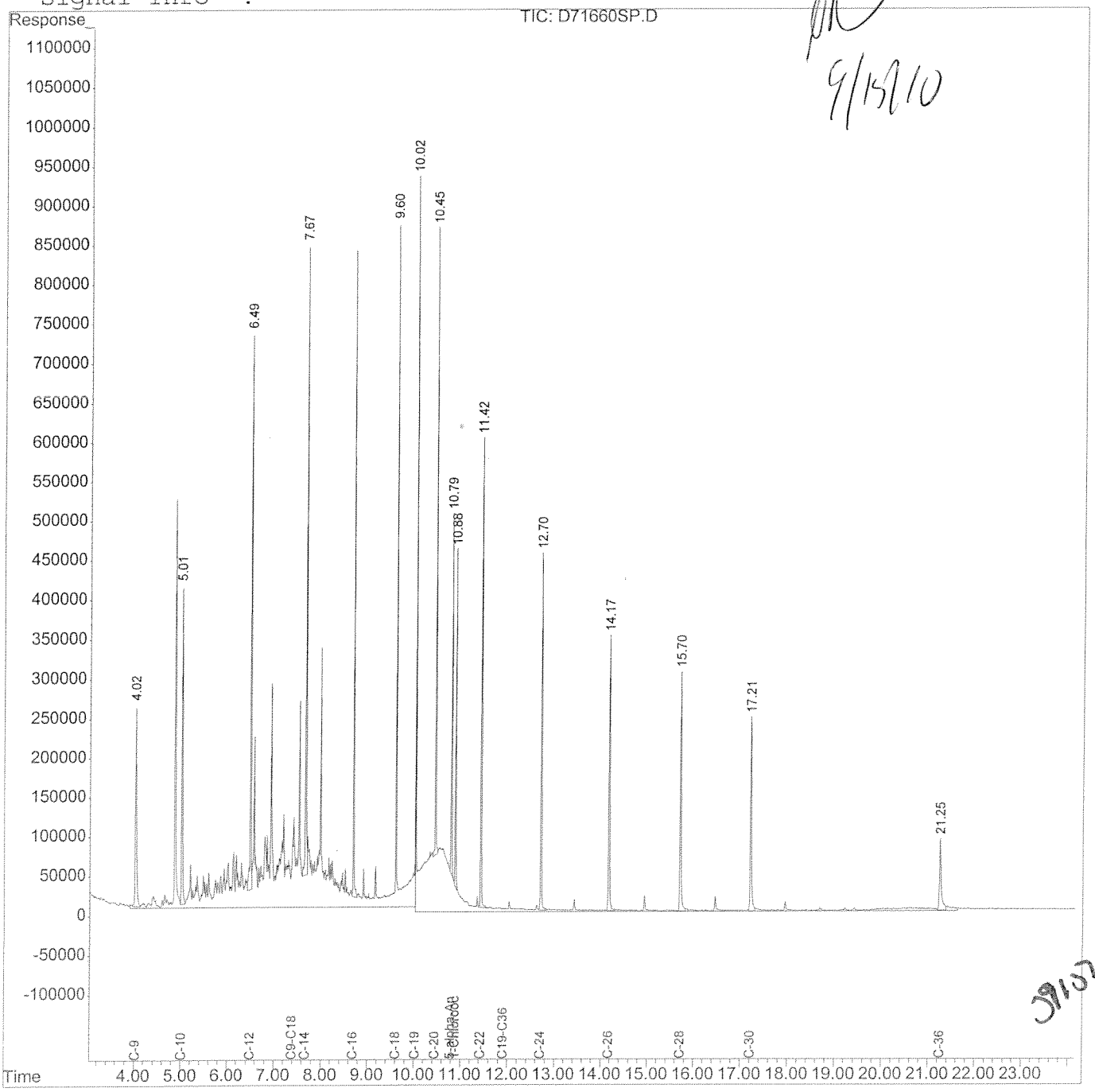
D71670

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\091310-D\D71660SP.D Vial: 14
Acq On : 14 Sep 2010 8:05 am Operator: AR
Sample : 67743-1,MSD Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 15 3:55 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



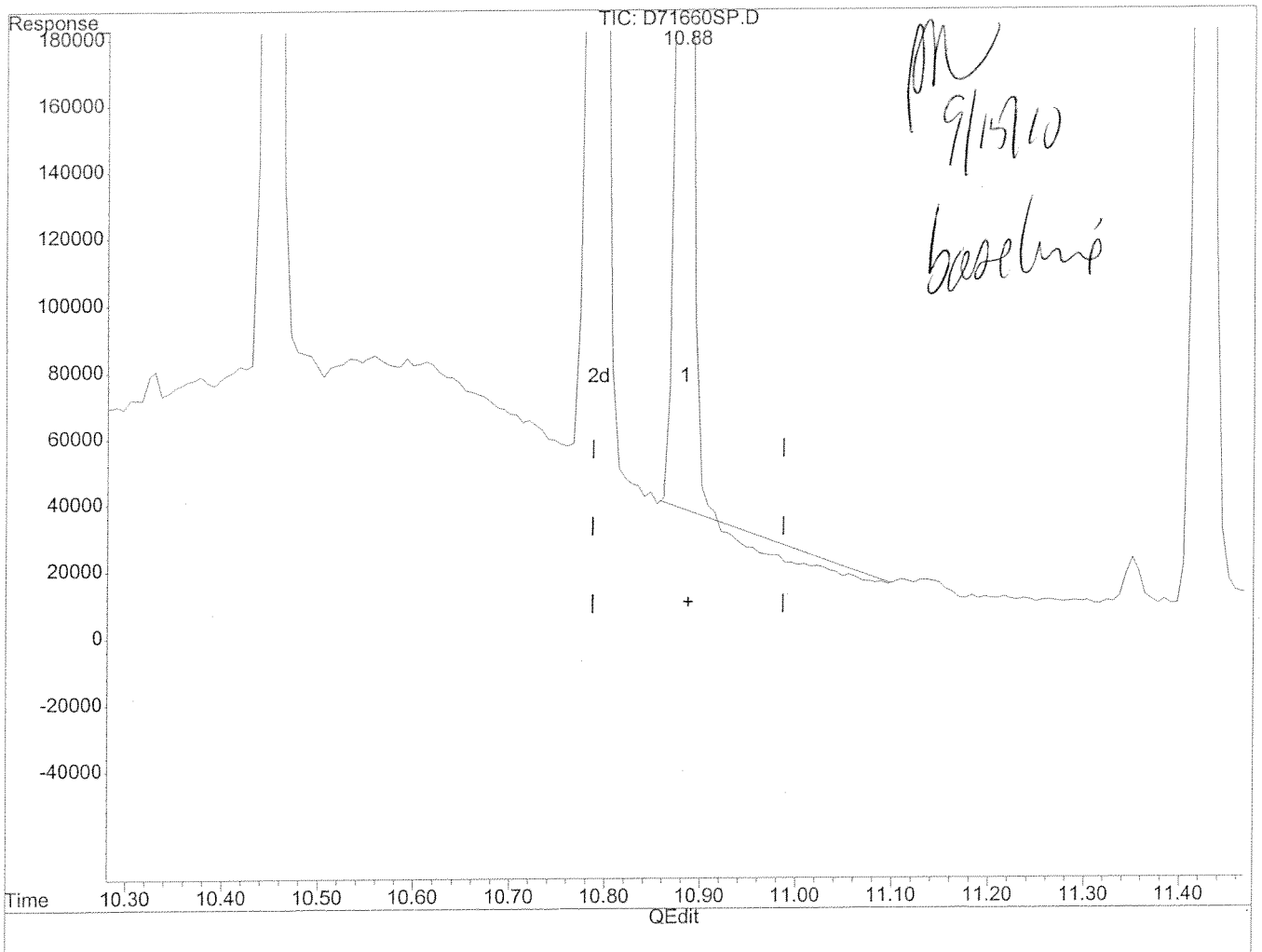
9/15/10

391520

D71660SP.D ALG80410.M Wed Sep 15 03:55:35 2010 Page 2

Data File : D:\HPCHEM\1\DATA\091310-D\D71660SP.D Vial: 14
Acq On : 14 Sep 2010 8:05 am Operator: AR
Sample : 67743-1,MSD Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 15 1:48 2010 Quant Results File: ALG80410.RES

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration



PM 9/15/10
baseline

(11) 1-Chlorooctadecane (S)

10.88min 11.305ug/ml

response 3821629

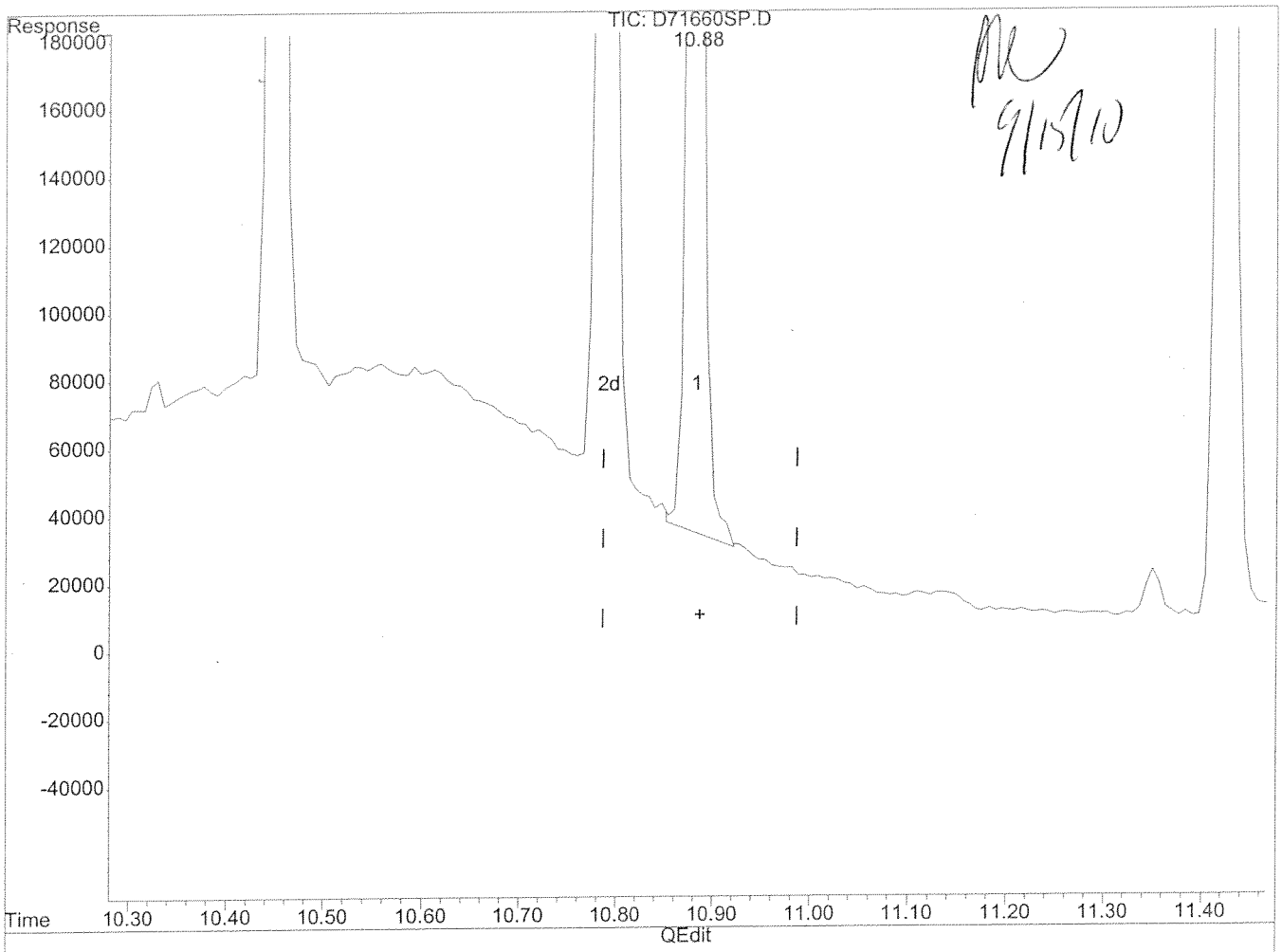
391570

(+) = Expected Retention Time
D71660SP.D ALG80410.M Wed Sep 15 03:55:15 2010

Data File : D:\HPCHEM\1\DATA\091310-D\D71660SP.D
Acq On : 14 Sep 2010 8:05 am
Sample : 67743-1,MSD
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Sep 15 1:48 2010 Quant Results File: ALG80410.RES

Vial: 14
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration



(11) 1-Chlorooctadecane (S)

10.88min 12.603ug/ml m

response 4260398

(+) = Expected Retention Time
D71660SP.D ALG80410.M Wed Sep 15 03:55:25 2010

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

BK 9/15/10

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67743-1
Spike: 67743-1,MS
Spike duplicate: 67743-1,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3898	4029	40	140	50	979	3339	61		3759	69		12	
2-Methylnaphthalene	3898	4029	40	140	50	1999	3881	48		4452	61		14	
Acenaphthylene	3898	4029	40	140	50	0	2485	64		2633	65		6	
Acenaphthene	3898	4029	40	140	50	0	2638	68		2755	68		4	
Fluorene	3898	4029	40	140	50	155	2767	67		2936	69		6	
Phenanthrene	3898	4029	40	140	50	0	2943	75		3017	75		2	
Anthracene	3898	4029	40	140	50	0	2885	74		2812	70		3	
Fluoranthene	3898	4029	40	140	50	0	3075	79		3050	76		1	
Pyrene	3898	4029	40	140	50	0	3009	77		3016	75		0	
Benzo[a]anthracene	3898	4029	40	140	50	0	3244	83		3063	76		6	
Chrysene	3898	4029	40	140	50	0	3012	77		2898	72		4	
Benzo[b] fluoranthene	3898	4029	40	140	50	0	3113	80		3036	75		2	
Benzo[k] fluoranthene	3898	4029	40	140	50	0	3319	85		2949	73		12	
Benzo[a] pyrene	3898	4029	40	140	50	0	3230	83		3057	76		5	
Indeno [1,2,3-cd] pyrene	3898	4029	40	140	50	0	3229	83		3847	95		17	
Dibenz [a,h] anthracene	3898	4029	40	140	50	0	3232	83		2954	73		9	
Benzo(g,h,i) perylene	3898	4029	40	140	50	0	3270	84		3384	84		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

09/15/10

EPH ARO FORM 3

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

9/15/10

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67743-1	SOIL,ARO	2.0	15.97	0.01597	0.8180	1	153.0988
67743-1,MS	SOIL,ARO	2.0	15.68	0.01568	0.8180	1	155.9303
67743-1,MSD	SOIL,ARO	2.0	15.17	0.01517	0.8180	1	161.1726

MSIL C

Data File : D:\HPCHEM\1\DATA\091310-D\D71661SP.D Vial: 15
Acq On : 14 Sep 2010 8:35 am Operator: AR
Sample : 67743-1,MS Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 9:40 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

PM 9/15/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	29587	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.59	172	128552	16.43 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 82.15%		
10) 2-Bromonaphthalene	8.26	206	51653	15.93 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 79.65%		
11) o-terphenyl	10.10	230	75316	16.43 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 82.15%		

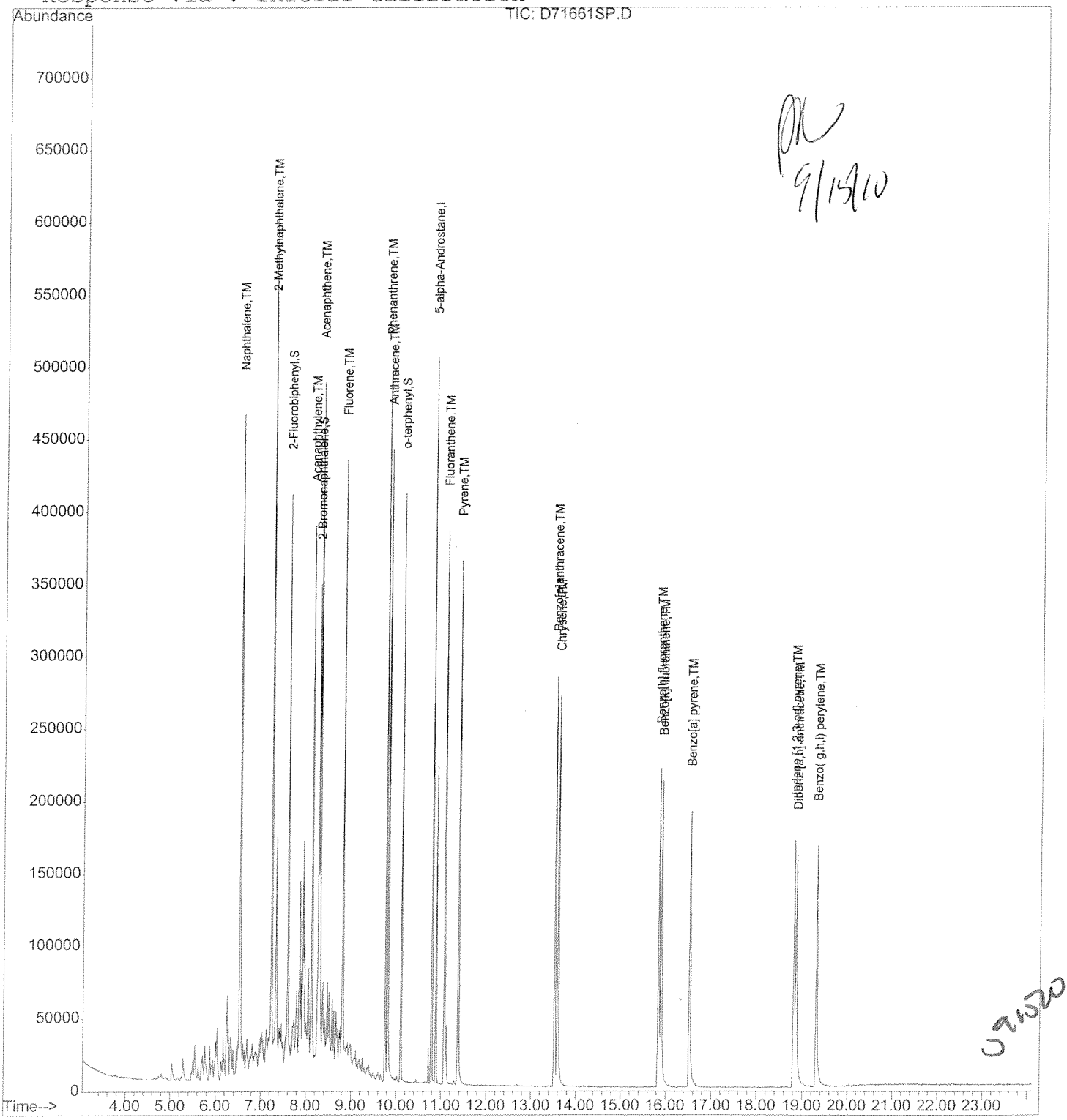
Target Compounds					Qvalue
2) Naphthalene	6.53	128	255563	21.41 ug/ml	96
3) 2-Methylnaphthalene	7.23	141	161925	24.89 ug/ml	99
4) Acenaphthylene	8.13	152	179022	15.94 ug/ml	99
5) Acenaphthene	8.29	154	106064	16.92 ug/ml	99
6) Fluorene	8.80	166	129242	17.74 ug/ml	99
7) Phenanthrene	9.76	178	185278	18.87 ug/ml	99
8) Anthracene	9.81	178	188989	18.50 ug/ml	99
12) Fluoranthene	11.06	202	201492	19.72 ug/ml	99
13) Pyrene	11.37	202	202532	19.30 ug/ml	99
14) Benzo[a]anthracene	13.52	228	167681	20.80 ug/ml	98
15) Chrysene	13.59	228	164389	19.32 ug/ml	98
16) Benzo[b] fluoranthene	15.84	252	140882	19.96 ug/ml	99
17) Benzo[k] fluoranthene	15.90	252	154065	21.29 ug/ml	99
18) Benzo[a] pyrene	16.52	252	137672	20.71 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	18.81	276	110857	20.71 ug/ml	97
20) Dibenz [a,h] anthracene	18.86	278	113502	20.73 ug/ml	99
21) Benzo(g,h,i) perylene	19.31	276	125105	20.97 ug/ml	99

091520

(#) = qualifier out of range (m) = manual integration
D71661SP.D ARM80410.M Tue Sep 14 09:40:02 2010 Page 1

Data File : D:\HPCHEM\1\DATA\091310-D\D71661SP.D Vial: 15
Acq On : 14 Sep 2010 8:35 am Operator: AR
Sample : 67743-1,MS Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 9:40 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



PK 9/15/10

J9/520

D71661SP.D ARM80410.M Tue Sep 14 09:40:03 2010 Page 2

Data File : D:\HPCHEM\1\DATA\091310-D\D71662SP.D Vial: 16
Acq On : 14 Sep 2010 9:05 am Operator: AR
Sample : 67743-1,MSD Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 9:40 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

MV 9/15/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	29282	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.59	172	123412	15.93 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 79.65%		
10) 2-Bromonaphthalene	8.26	206	49287	15.36 ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 76.80%		
11) o-terphenyl	10.11	230	66457	14.65 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 73.25%		

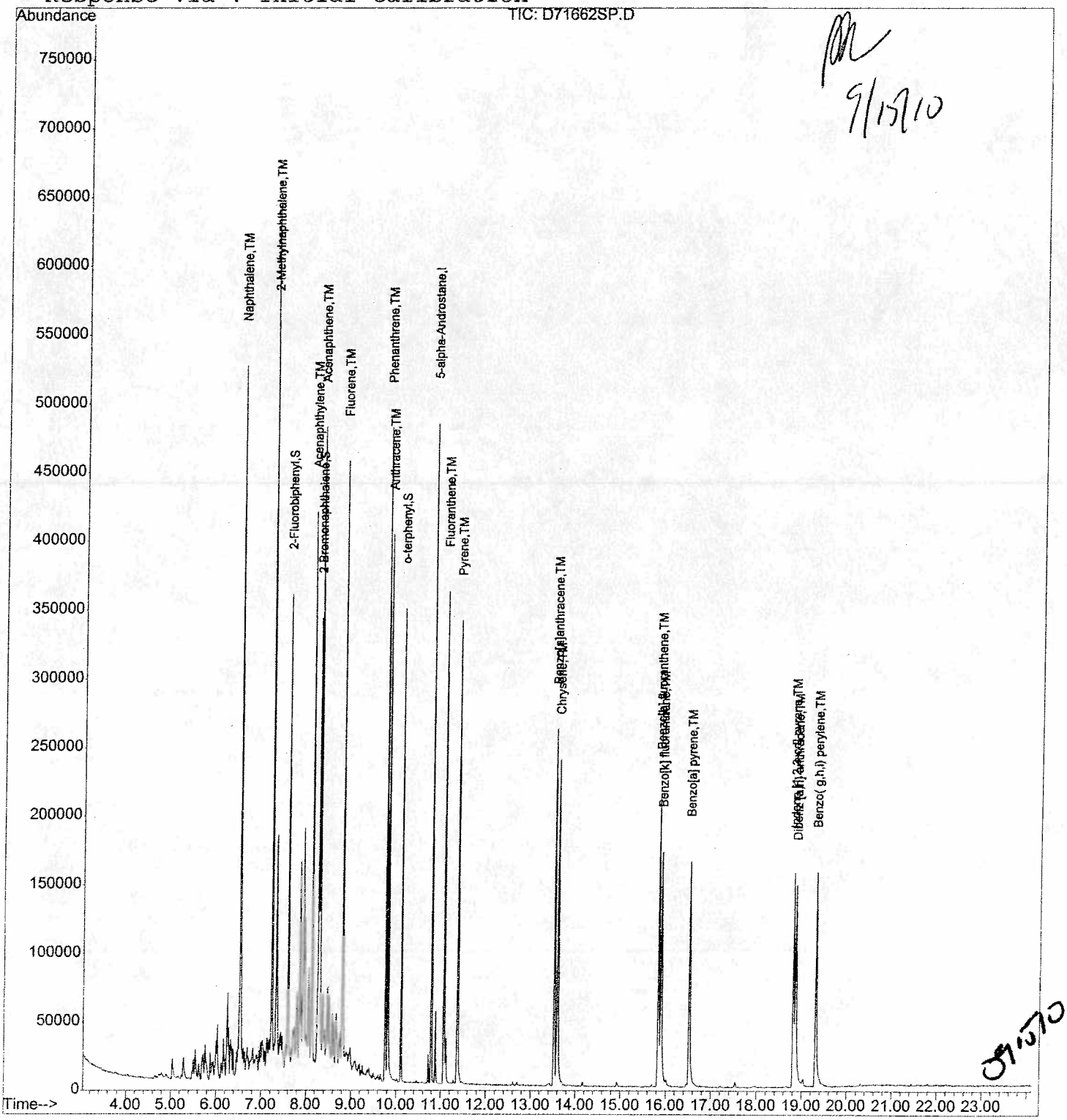
Target Compounds					Qvalue
2) Naphthalene	6.53	128	275556	23.33 ug/ml	97
3) 2-Methylnaphthalene	7.23	141	177840	27.62 ug/ml	99
4) Acenaphthylene	8.12	152	181637	16.34 ug/ml	98
5) Acenaphthene	8.29	154	106059	17.09 ug/ml	99
6) Fluorene	8.80	166	131306	18.21 ug/ml	99
7) Phenanthrene	9.76	178	181887	18.72 ug/ml	99
8) Anthracene	9.81	178	176357	17.44 ug/ml	99
12) Fluoranthene	11.07	202	191384	18.93 ug/ml	99
13) Pyrene	11.37	202	194343	18.71 ug/ml	99
14) Benzo[a]anthracene	13.52	228	151603	19.00 ug/ml	98
15) Chrysene	13.59	228	151460	17.98 ug/ml	99
16) Benzo[b] fluoranthene	15.84	252	130898	18.84 ug/ml	99
17) Benzo[k] fluoranthene	15.90	252	131060	18.30 ug/ml	98
18) Benzo[a] pyrene	16.52	252	124042	18.97 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	18.81	276	127790	23.87 ug/ml#	87
20) Dibenz [a,h] anthracene	18.86	278	98687	18.33 ug/ml	95
21) Benzo(g,h,i) perylene	19.31	276	123973	21.00 ug/ml	99

D91520

(#) = qualifier out of range (m) = manual integration
D71662SP.D ARM80410.M Tue Sep 14 09:40:04 2010 Page 1

Data File : D:\HPCHEM\1\DATA\091310-D\D71662SP.D Vial: 16
Acq On : 14 Sep 2010 9:05 am Operator: AR
Sample : 67743-1,MSD Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 9:40 2010 Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



D71662SP.D ARM80410.M Tue Sep 14 09:40:05 2010 Page 2

Instrument D

analytics environmental laboratory LLC

Seq. ID: 080410-D

IS only#: EPH S9970 ~~S8170~~ AHL 8/4/10

EXP: 1/30/11

Tune File: ABN.u

Date: 8/4/10

Loading Check: AHL

Voltage: 1965

Analyst: AHL/NP

Unloading Check: NP

filament 2

Vial	Meth File	Sample	DF	Data File #	Comments
1	tunemix	S9836 tunemix	50ng	D71435T-45T	adjust mtune
1	tunemix	S9836 tunemix	50ng	46T	✓
2	ALG80410	S9700 Ali 5		47,5T	✓
3		S9701 Ali 10		48	✓
4		S9702 Ali 20		49	✓
5		S9936 Ali 40		50	✓
6		S9704 Ali 50		51	✓
7		S9705 Ali 100		52	✓
8		S9715 Ali 20 ICV		53	✓
9	ARM80410	S9706 ARO 2		54,5T	✓
10		S9707 ARO 5		55	✓
11		S9708 ARO 10		56	✓
12		S9937 ARO 20		57	✓
13		S9710 ARO 50		58	✓
14		S9711 ARO 100		59	✓
15		S9716 ARO 20 ICV		60	✓ ARO80510 ~~Shl not used~~ OK
~~15~~		~~S9716 ARO 20 ICV~~		~~66~~	AHL 8/6/10
1	tunemix	S9836 tunemix			Not needed
5	ALG80410	S9936 Ali 40			
12	ARM80410	S9937 ARO 20			
16		Hexane w/IS			
15		S9716 ARO 20 ICV			
15		S9716 ARO 20 ICV			

AHL 8/6/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

Rev 2 03/19/10

Instrument D

analytics environmental laboratory LLC

Seq. ID: 091310-D

EPH
IS only#: S10081

EXP: 3/13/11

Tune File: ARU.u

Date: 9/13/10

Loading Check: AUR

Voltage: 1965

Analyst: AUR

Unloading Check: [illegible]

W-D-091310-1-AUR

Vial	Meth File	Sample	DF	Data File #	Comments
100		mecl2		D71638	✓
1	tunemix	S9836 tunemix 50ng		39T	✓
2	ALG80410	S10042 Ali 40		40SC	✓
3	ARM80410	S10041 ARO 20		41SC	✓
4		Hexane w IES		42	✓
5		B091310EASE Ali		43B	✓
6		L091310EASE		44Q	✓
7		LD091310EASE		45Q	✓
8		B091310EASE ARO		46B	✓
9		L091310EASE		47Q	✓
10		LD091310EASE		48Q	✓
11		67743-1 Ali		49	✓
12		-1 ARO		50	✓
2		S10042 Ali 40		51SC	✓
3		S10041 ARO 20		52SC	✓
1	tunemix	S9836 tunemix 50ng		53T	✓
2	ALG80410	S10042 Ali 40		54SC	✓
3	ARM80410	S10041 ARO 20		55SC	✓
4		Hexane w IES		56	✓
5		B091310EASE, RR Ali		57B	✓
6		B091310EASE, RR ARO		58B	✓
13		67743-1, ms Ali		59SP	✓
14		-1, msD		60SP	✓
15		-1, ms ARO		61SP	✓
16		-1 msD		62SP	✓
17		67734-1 Ali		63	✓
18		-1 ARO		64	✓
19		-2 Ali		65	✓
20		-2 ARO		66	✓
21		-3 Ali		67	✓
22		-3 ARO		68	✓
23		-4 Ali		69	✓
24		-4 ARO		70	✓
2		S10042 Ali	40	71SC	✓
3		S10041 ARO	20	72SC	✓
2		S10042 Ali	40	73SC	✓
3		S10041 ARO	20	74SC	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:4- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9700 ALI 5	D71447SI.D	8/5/10 2:18
S9701 ALI 10	D71448SI.D	8/5/10 2:48
S9702 ALI 20	D71449SI.D	8/5/10 3:19
S9936 ALI 40	D71450SI.D	8/5/10 3:49
S9704 ALI 50	D71451SI.D	8/5/10 4:20
S9705 ALI 100	D71452SI.D	8/5/10 4:50
S9715 ALI 20 ICV	D71453.D	8/5/10 5:21

Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9706 ARO 2	D71454SI.D	8/5/10 5:51
S9707 ARO 5	D71455SI.D	8/5/10 6:22
S9708 ARO 10	D71456SI.D	8/5/10 6:52
S9937 ARO 20	D71457SI.D	8/5/10 7:22
S9710 ARO 50	D71458SI.D	8/5/10 7:53
S9711 ARO 100	D71459SI.D	8/5/10 8:23
S9716 ARO 20 ICV	D71460.D	8/5/10 8:53

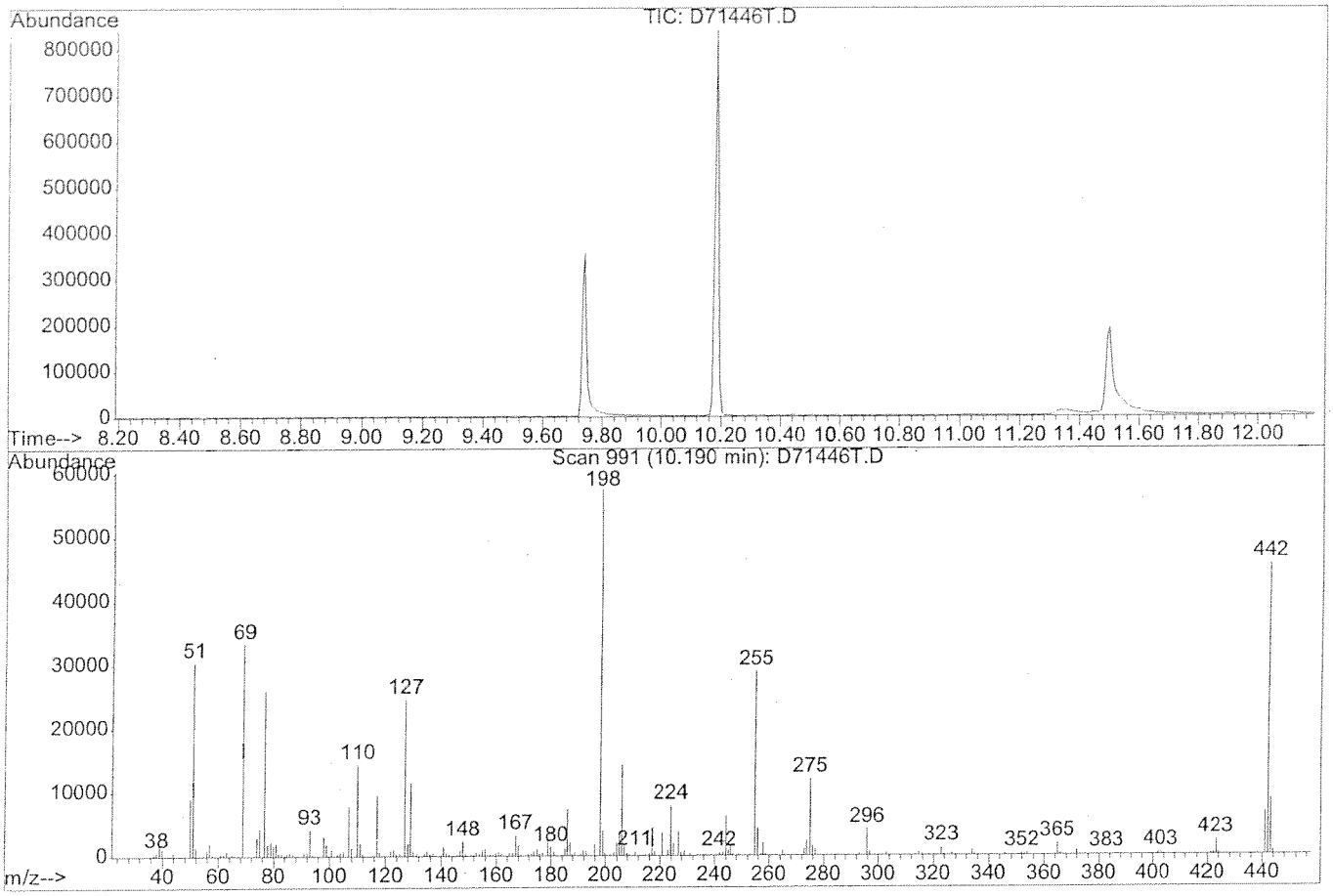
Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

W080560



Spectrum Information: Scan 991

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.9	30392	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.0	33320	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.7	24560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	57496	PASS
199	198	5	9	6.9	3944	PASS
275	198	10	30	20.9	12023	PASS
365	198	1	100	3.2	1842	PASS
441	443	0.01	100	76.4	6759	PASS
442	198	40	100	79.4	45640	PASS
443	442	17	23	19.4	8852	PASS

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:04 2010

8/5/10

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71446T.D**
Date Acquired **8/5/2010 1:47**

N080510

Name	Target Response
PENTACHLOROPHENOL	39778.00
BENZIDINE	151505.00
DDE	53.00
DDD	1884
DDT	149663

(0% - 20%)

%DDT BREAKDOWN = 1.28% **OK** ✓

8/5/10

8/5/10 2:16 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
; Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP080510

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.74	266	39778	15.78	UG/L	95
2) DFTPP	10.18	198	75090	24.58	ug/ml#	60
3) BENZIDINE	11.50	184	151505	18.88	UG/L #	100
4) DDE	11.79	246	53	0.53	UG/L #	24
5) DDD	12.36	235	1884	18.84	UG/L #	19
6) DDT	12.93	235	149663	33.12	UG/L #	86

✓ AR 8/5/10

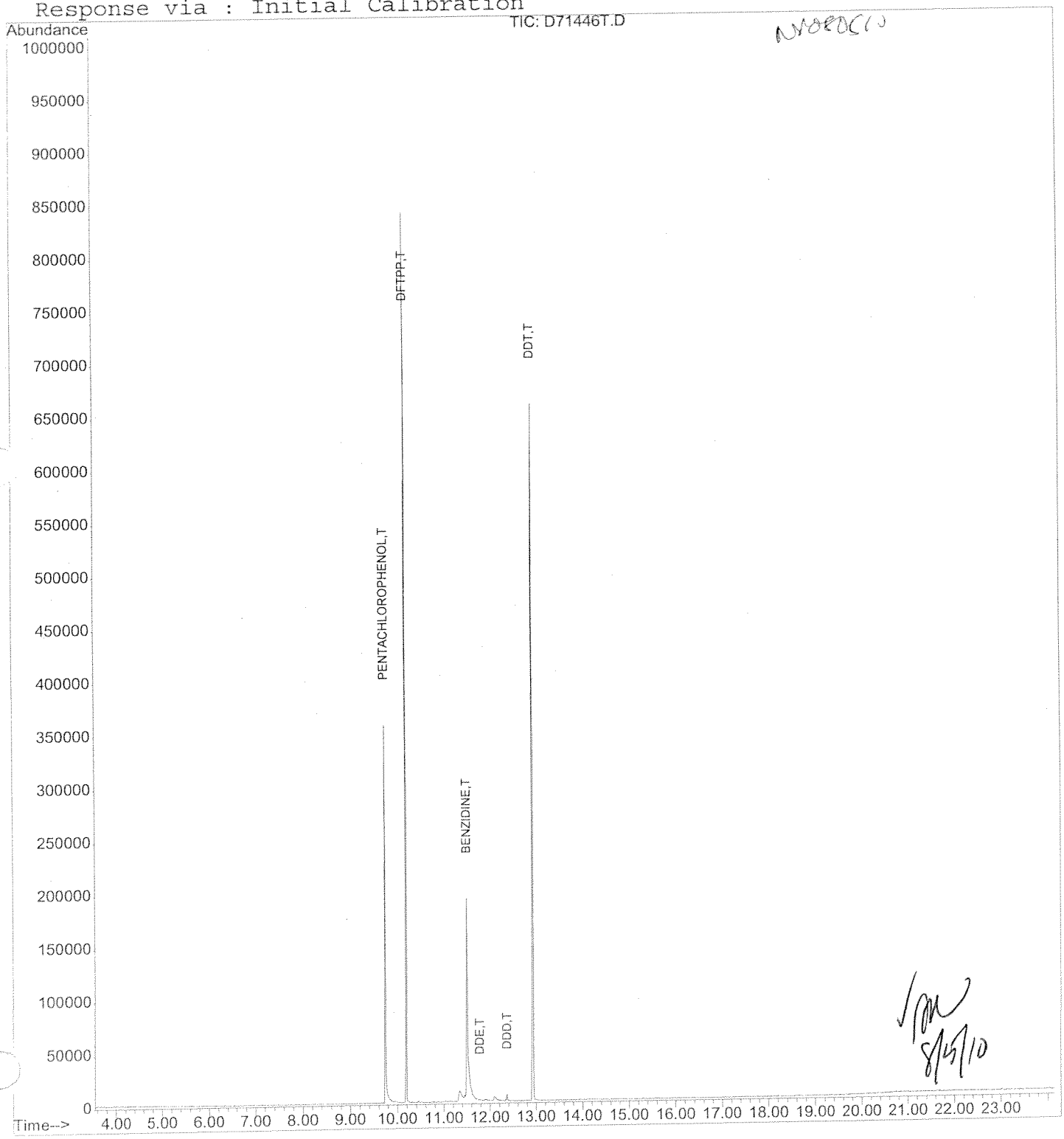
(#) = qualifier out of range (m) = manual integration
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration



D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010 Page 2

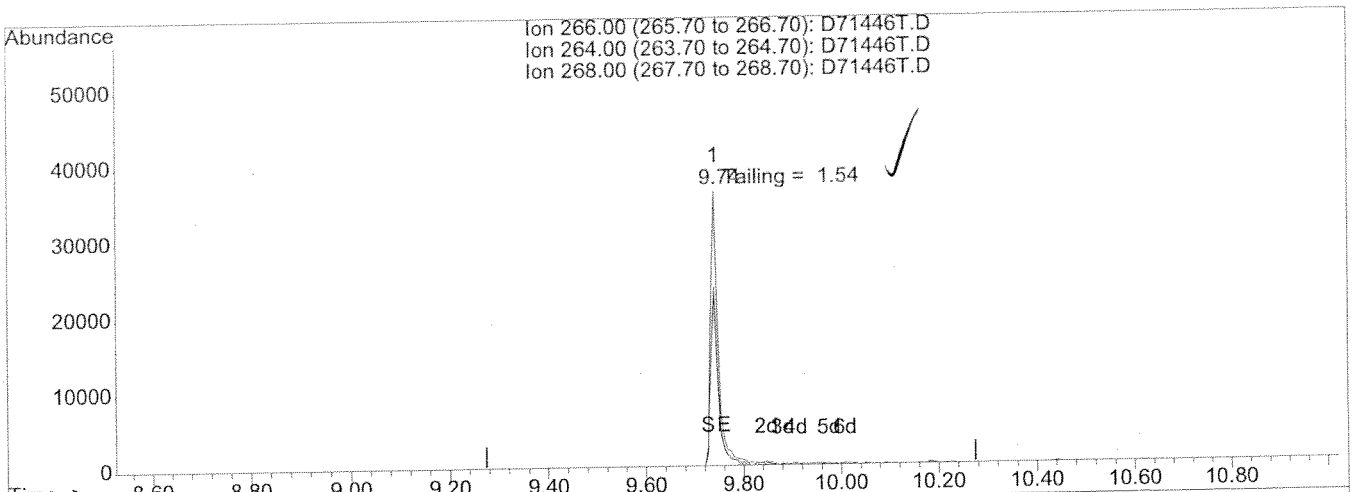
Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

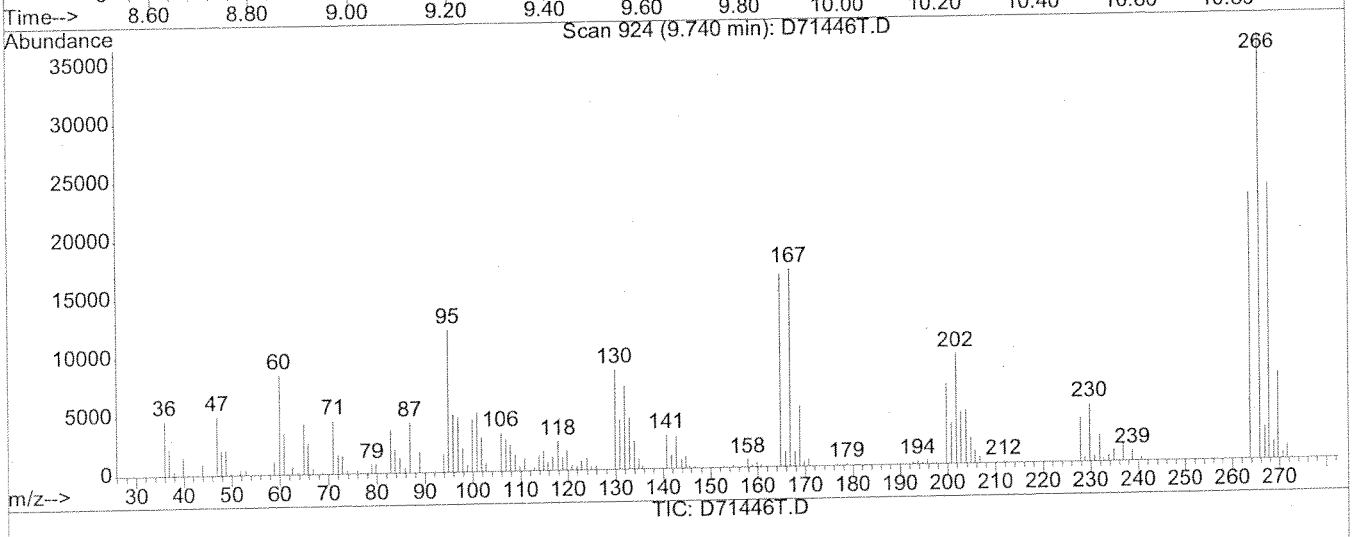
Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

N108050





(1) PENTACHLOROPHENOL (T)

9.74min 15.78UG/L

response 39778

Ion	Exp%	Act%
266.00	100	100
264.00	59.50	61.59
268.00	58.20	63.08
0.00	0.00	0.00

8/5/10

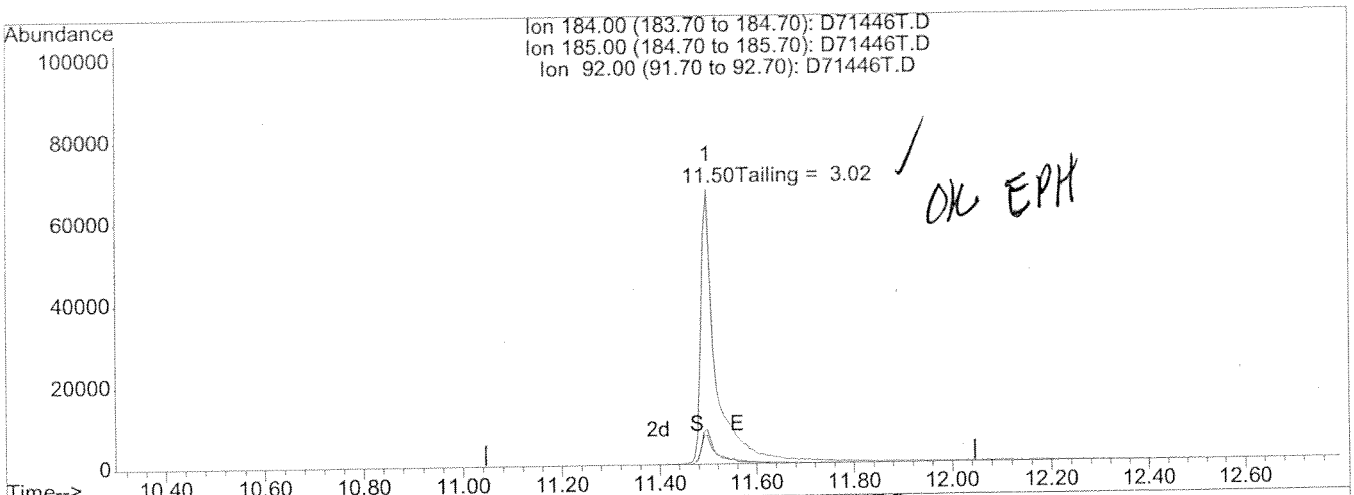
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:40 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

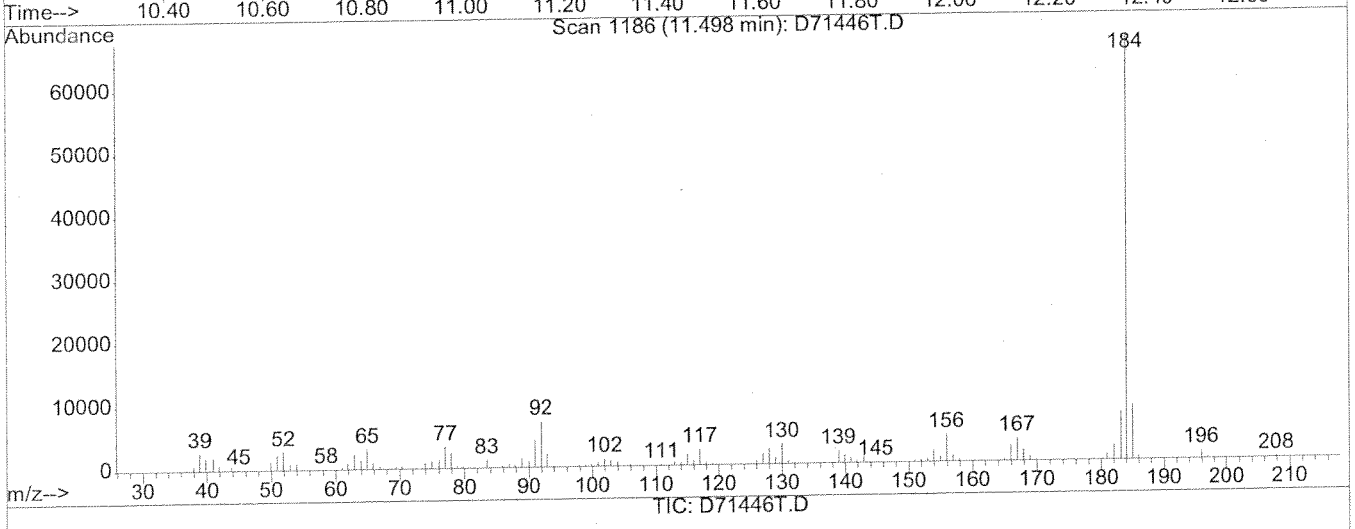
Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

N 080510



OK EPH



(3) BENZIDINE (T)

11.50min 18.88UG/L

response 151505

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.18#
92.00	0.00	10.90#
0.00	0.00	0.00

OK 8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:19:09 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
DFTPP File ID: D71639T.D
DFTPP Injection Date: 09/13/10
DFTPP Injection Time: 21:06

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71640SC.D	9/13/10 21:36
HEXANE W/IS	D71642.D	9/13/10 22:45
B091310EASE	D71643B.D	9/13/10 23:15
L091310EASE	D71644Q.D	9/13/10 23:45
LD091310EASE	D71645Q.D	9/14/10 0:15
67743-1	D71649.D	9/14/10 2:15
S10042 ALI 40	D71651SC.D	9/14/10 3:15

Refer to the DFTPP report D71639T.D for ion ratio evaluation.

EPH FORM 5

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
DFTPP File ID: D71639T.D
DFTPP Injection Date: 09/13/10
DFTPP Injection Time: 21:06

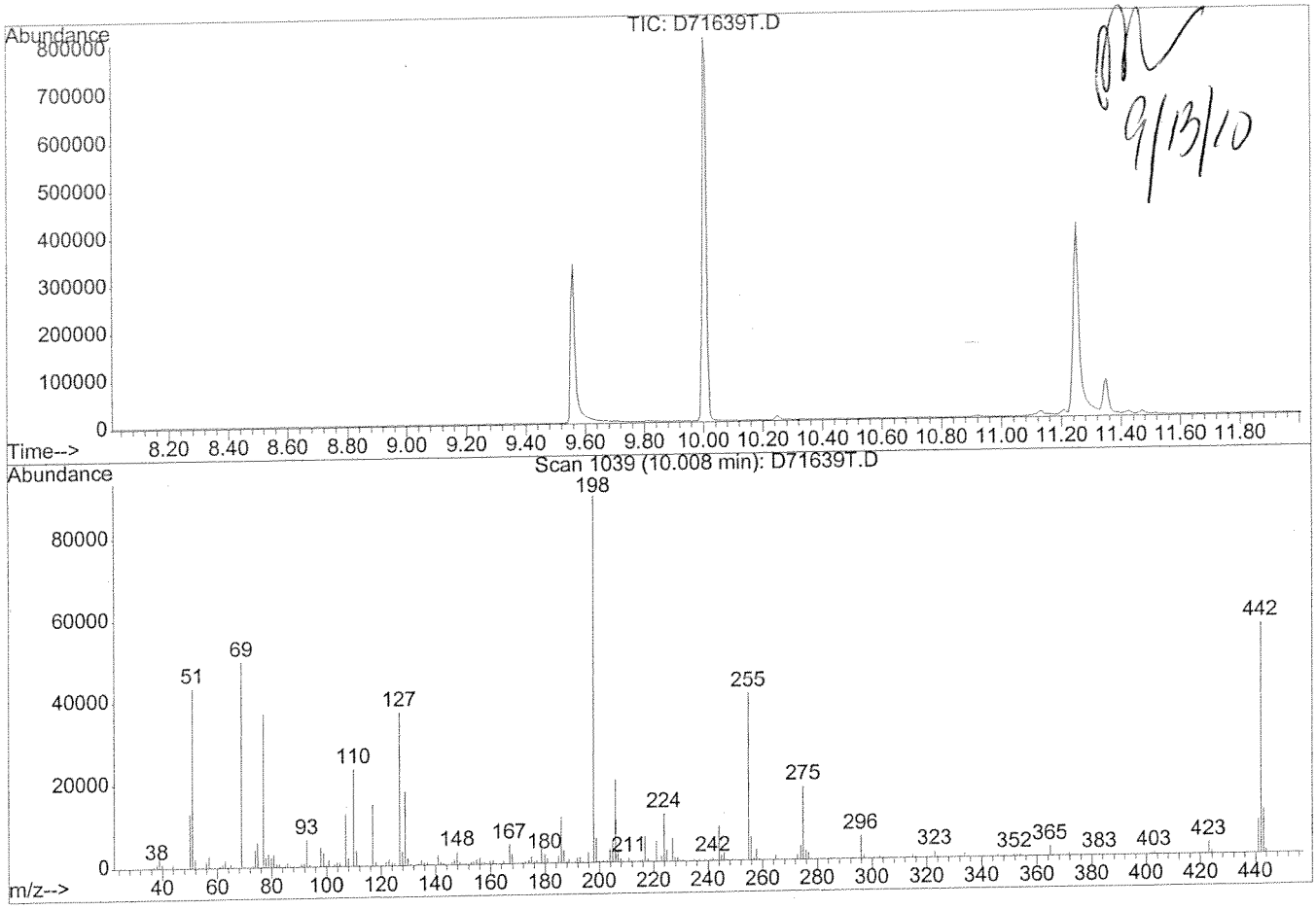
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10041 ARO 20	D71641SC.D	9/13/10 22:06
HEXANE W/IS	D71642.D	9/13/10 22:45
B091310EASE	D71646B.D	9/14/10 0:45
L091310EASE	D71647Q.D	9/14/10 1:15
LD091310EASE	D71648Q.D	9/14/10 1:45
67743-1	D71650.D	9/14/10 2:45
S10041 ARO 20	D71652SC.D	9/14/10 3:45

Refer to the DFTPP report D71639T.D for ion ratio evaluation.

DFTPP

Data File : D:\HPCHEM\1\DATA\091310-D\D71639T.D
Acq On : 13 Sep 2010 9:06 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00



9/13/10

Spectrum Information: Scan 1039

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	48.8	43416	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	56.0	49856	PASS
70	69	0.00	2	0.6	282	PASS
127	198	40	60	41.6	37008	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	89048	PASS
199	198	5	9	6.7	5943	PASS
275	198	10	30	19.8	17672	PASS
365	198	1	100	2.6	2330	PASS
441	443	0.01	100	77.0	8246	PASS
442	198	40	100	62.8	55920	PASS
443	442	17	23	19.2	10712	PASS

9/14/10

D71639T.D TUNMXEPH.M Mon Sep 13 22:32:47 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71639T.D**
Date Acquired **9/13/2010 9:06**

9/13/10

Name	Target Response
PENTACHLOROPHENOL	38123.00
BENZIDINE	217294.00
DDE	386.00
DDD	2070
DDT	154339

(0% - 20%)

%DDT BREAKDOWN = 1.57% **OK**

9/14/10

9/13/10 10:32 PM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\091310-D\D71639T.D
Acq On : 13 Sep 2010 9:06 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 13 22:32 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/13/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.56	266	38123	15.13 UG/L	99
2) DFTPP	10.01	198	86977	28.47 ug/ml	96
3) BENZIDINE	11.25	184	217294	27.08 UG/L #	100
4) DDE	11.52	246	386	3.86 UG/L #	100
5) DDD	12.07	235	2070	20.70 UG/L	98
6) DDT	12.62	235	154339	34.16 UG/L	99

9/14/10

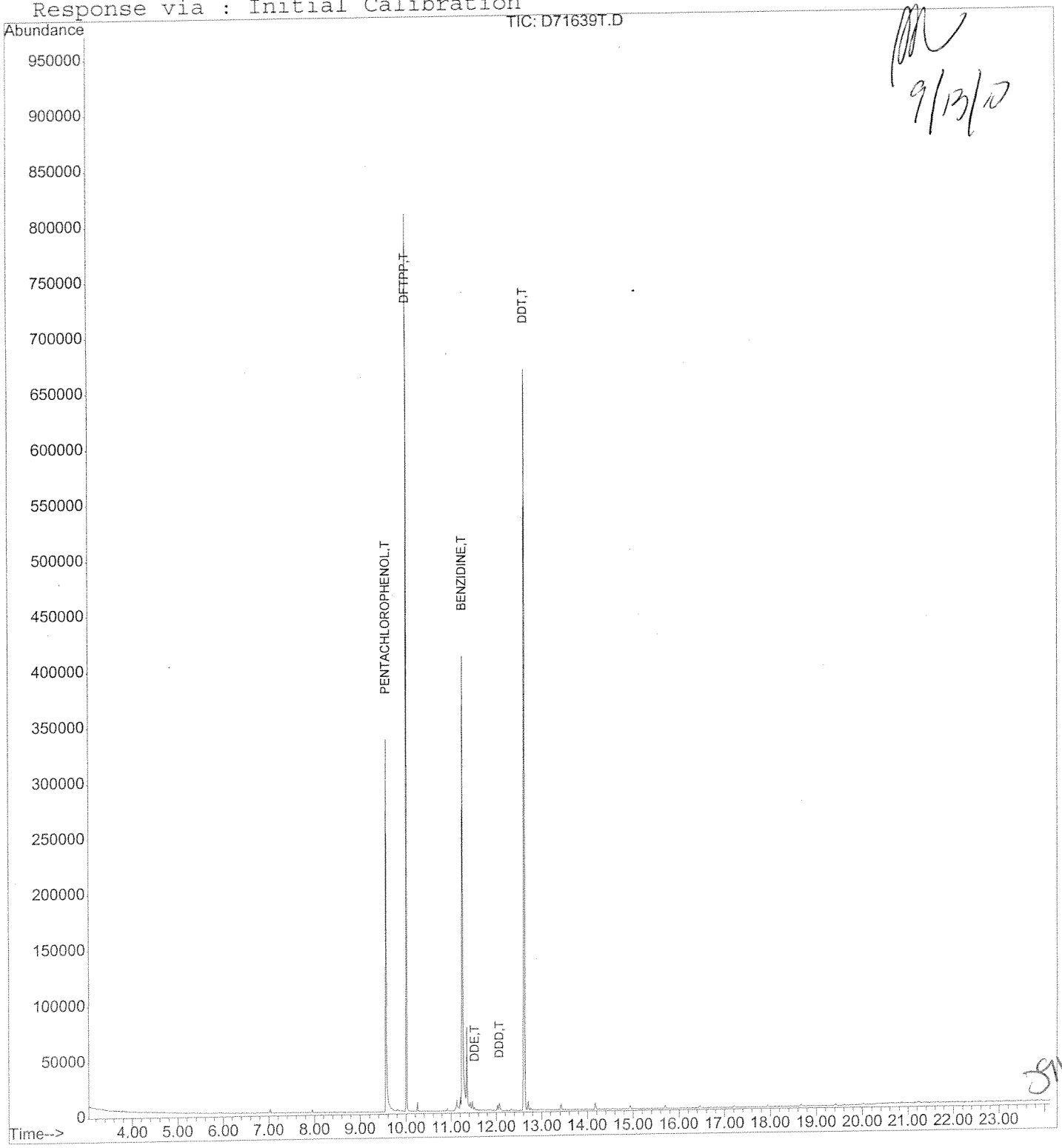
(#) = qualifier out of range (m) = manual integration
D71639T.D TUNMXEPH.M Mon Sep 13 22:33:11 2010 Page 1

Data File : D:\HPCHEM\1\DATA\091310-D\D71639T.D
Acq On : 13 Sep 2010 9:06 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 13 22:32 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration



9/13/10

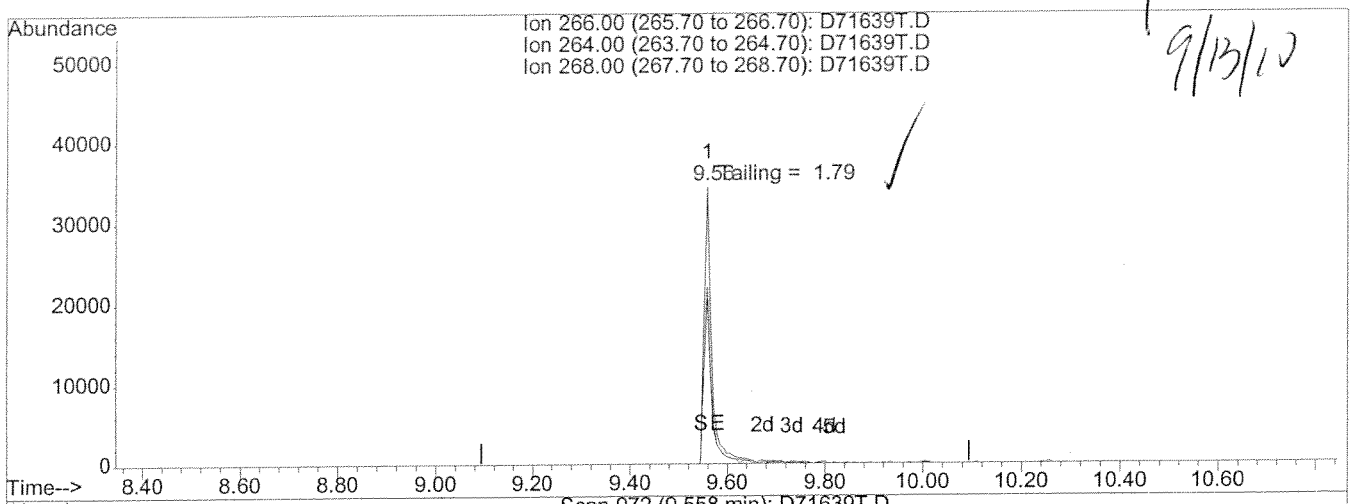
371410

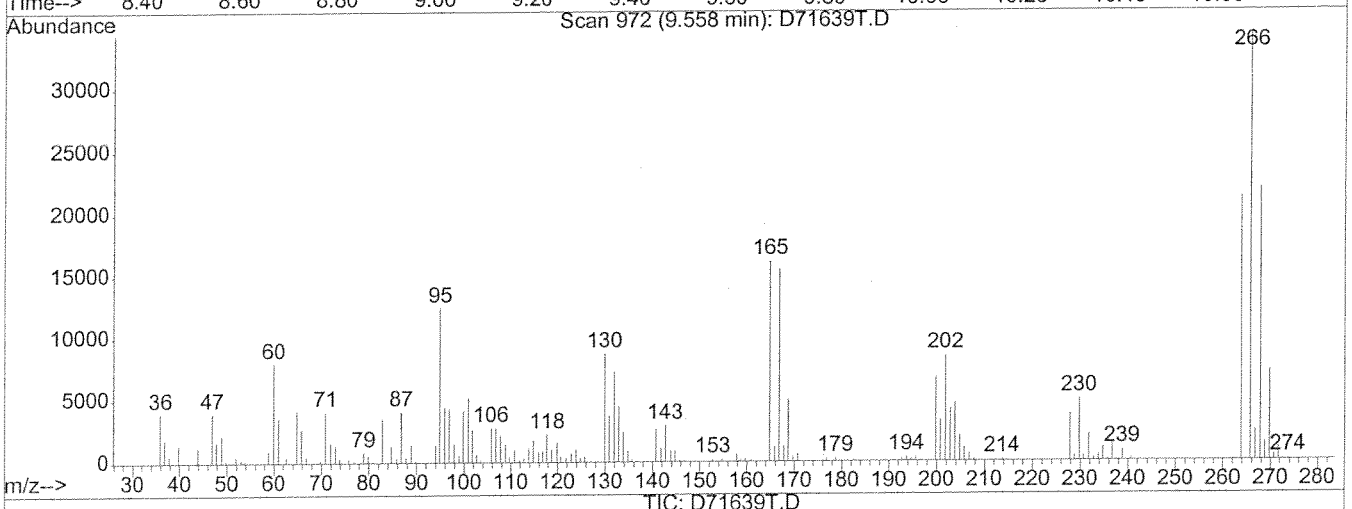
Data File : D:\HPCHEM\1\DATA\091310-D\D71639T.D
Acq On : 13 Sep 2010 9:06 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 13 22:32 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

MV 9/13/10





(1) PENTACHLOROPHENOL (T)

9.56min 15.13UG/L

response 38123

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	62.14
268.00	62.40	62.24
0.00	0.00	0.00

J91410

D71639T.D TUNMXEPH.M Mon Sep 13 22:33:20 2010

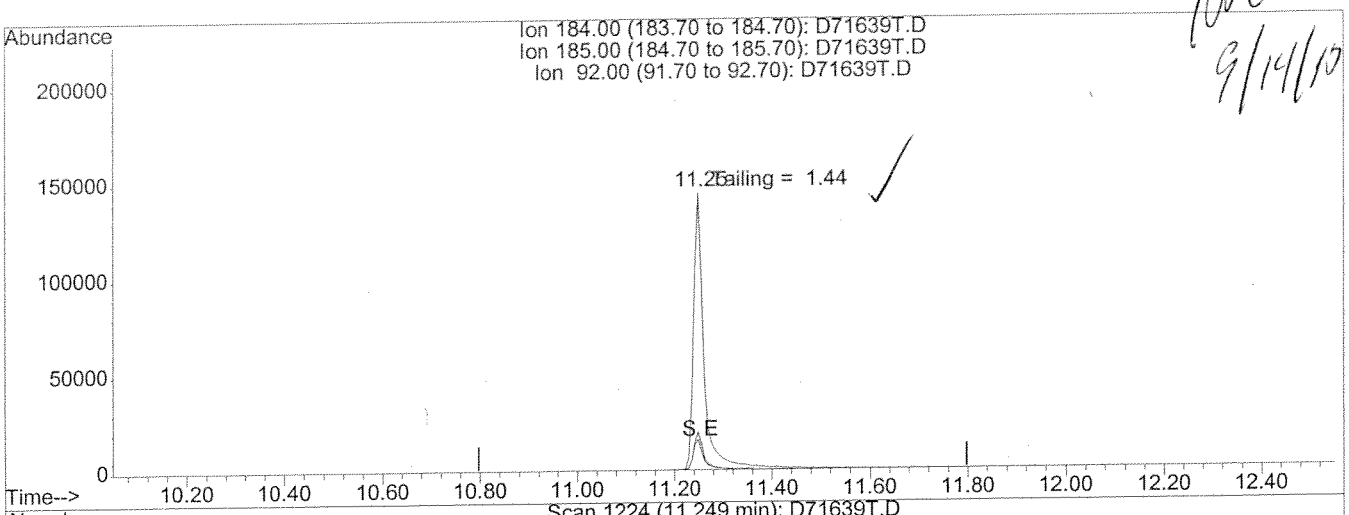
Data File : D:\HPCHEM\1\DATA\091310-D\D71639T.D
Acq On : 13 Sep 2010 9:06 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 13 22:32 2010

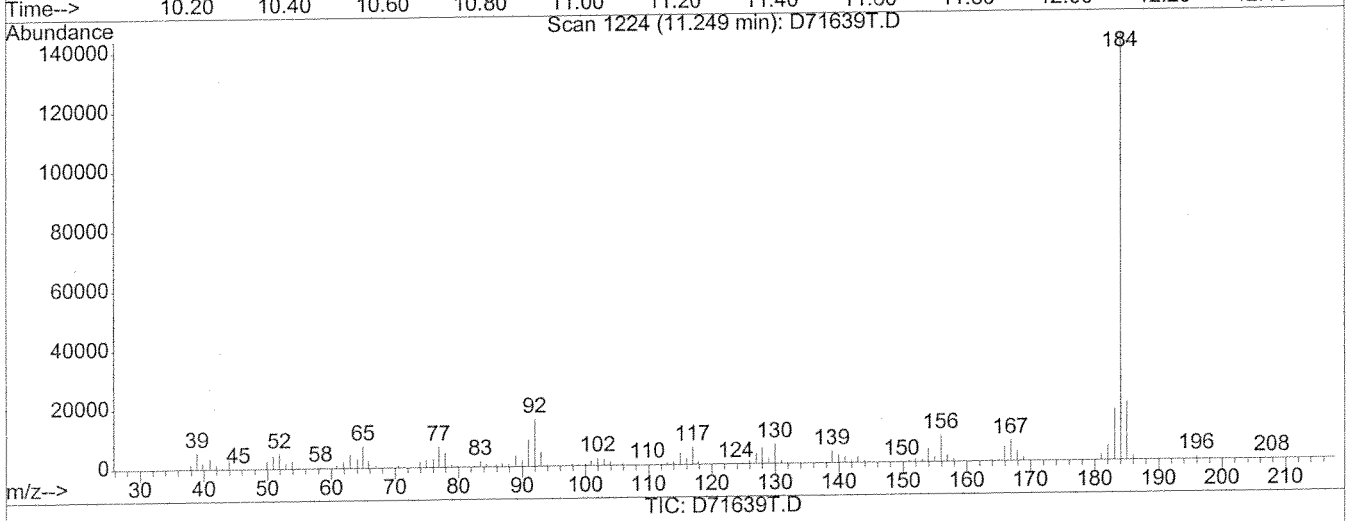
Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/14/10





(3) BENZIDINE (T)

11.25min 27.08UG/L

response 217294

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.41#
92.00	0.00	11.32#
0.00	0.00	0.00

J91410

D71639T.D TUNMXEPH.M Mon Sep 13 22:33:27 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
DFTPP File ID: D71653T.D
DFTPP Injection Date: 09/14/10
DFTPP Injection Time: 4:15

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71654SC.D	9/14/10 4:45
HEXANE W/IS	D71656.D	9/14/10 6:06
B091310EASE,,RR	D71657B.D	9/14/10 6:36
67743-1,MS	D71659SP.D	9/14/10 7:35
67743-1,MSD	D71660SP.D	9/14/10 8:05
S10042 ALI 40	D71671SC.D	9/14/10 13:34
S10042 ALI 40	D71673SC.D	9/14/10 14:34

Refer to the DFTPP report D71653T.D for ion ratio evaluation.

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743
DFTPP File ID: D71653T.D
DFTPP Injection Date: 09/14/10
DFTPP Injection Time: 4:15

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10041 ARO 20	D71655SC.D	9/14/10 5:15
HEXANE W/IS	D71656.D	9/14/10 6:06
B091310EASE,,RR	D71658B.D	9/14/10 7:05
67743-1,MS	D71661SP.D	9/14/10 8:35
67743-1,MSD	D71662SP.D	9/14/10 9:05
S10041 ARO 20	D71672SC.D	9/14/10 14:04
S10041 ARO 20	D71674SC.D	9/14/10 15:04

Refer to the DFTPP report D71653T.D for ion ratio evaluation.

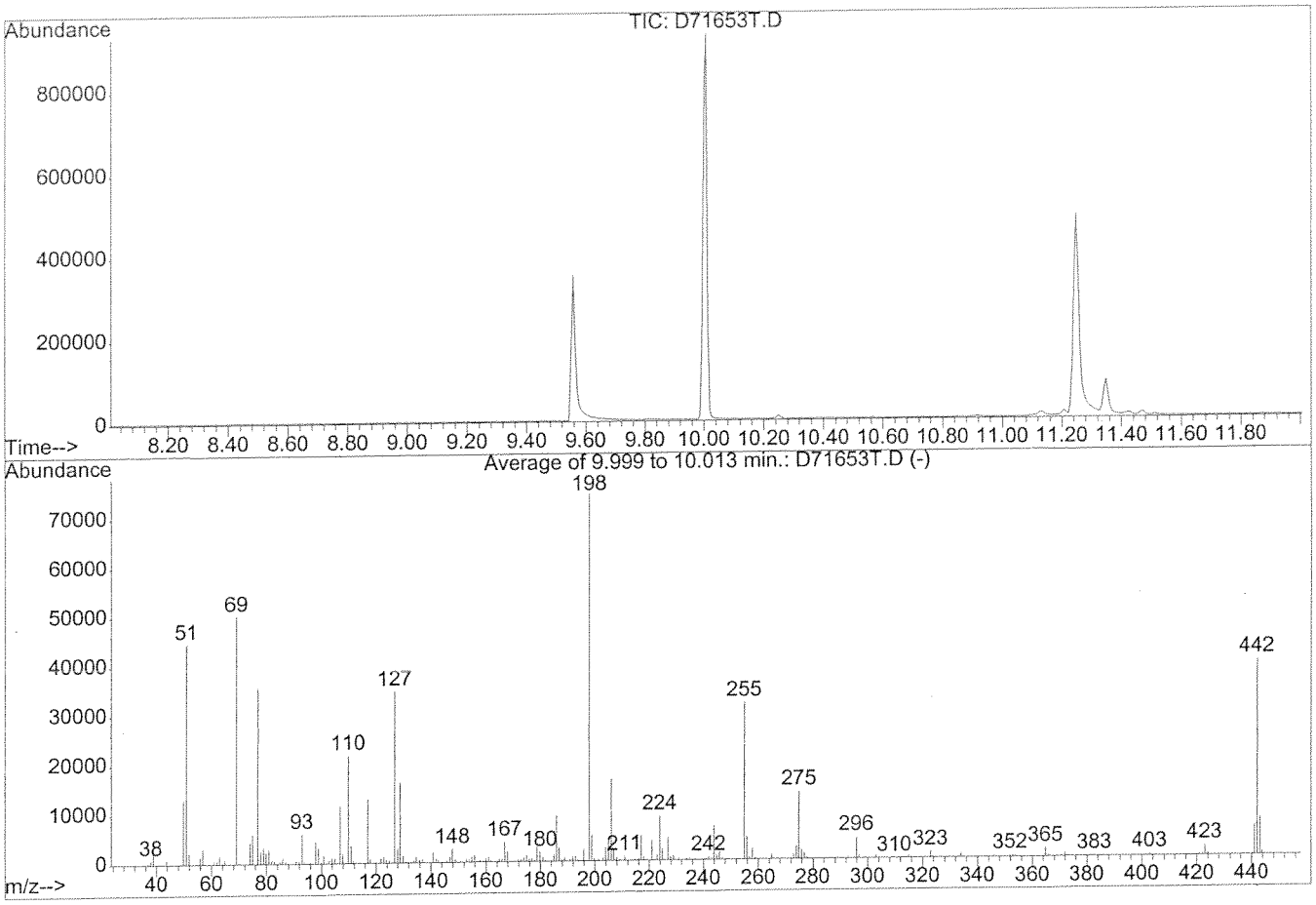
EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\091310-D\D71653T.D
Acq On : 14 Sep 2010 4:15 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

091410



AutoFind: Scans 1037, 1038, 1039; Background Corrected with Scan 1032

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	59.7	44529	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	67.2	50143	PASS
70	69	0.00	2	0.4	185	PASS
127	198	40	60	46.6	34736	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	74576	PASS
199	198	5	9	7.0	5192	PASS
275	198	10	30	18.3	13646	PASS
365	198	1	100	2.3	1707	PASS
441	443	0.01	100	79.9	6006	PASS
442	198	40	100	53.0	39549	PASS
443	442	17	23	19.0	7515	PASS

D71653T.D TUNMXEPH.M Tue Sep 14 09:01:47 2010

9/15/10

SEMI-VOLATILE
TUNE MIX CHECK

9-14-10

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71653T.D**
Date Acquired **9/14/2010 4:15**

Name	Target Response
PENTACHLOROPHENOL	38897.00
BENZIDINE	257600.00
DDE	267.00
DDD	2460
DDT	170147

(0% - 20%)

%DDT BREAKDOWN = 1.58% **OK** ✓

✓ 9/15/10

9/14/10 9:01 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\091310-D\D71653T.D
Acq On : 14 Sep 2010 4:15 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 14 9:00 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/14/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.56	266	38897	15.43 UG/L	97
2) DFTPP	10.01	198	98047	32.09 ug/ml	97
3) BENZIDINE	11.25	184	257600	32.10 UG/L #	100
4) DDE	11.52	246	267	2.67 UG/L #	100
5) DDD	12.07	235	2460	24.60 UG/L	91
6) DDT	12.62	235	170147	37.66 UG/L	99

✓ 9/15/10

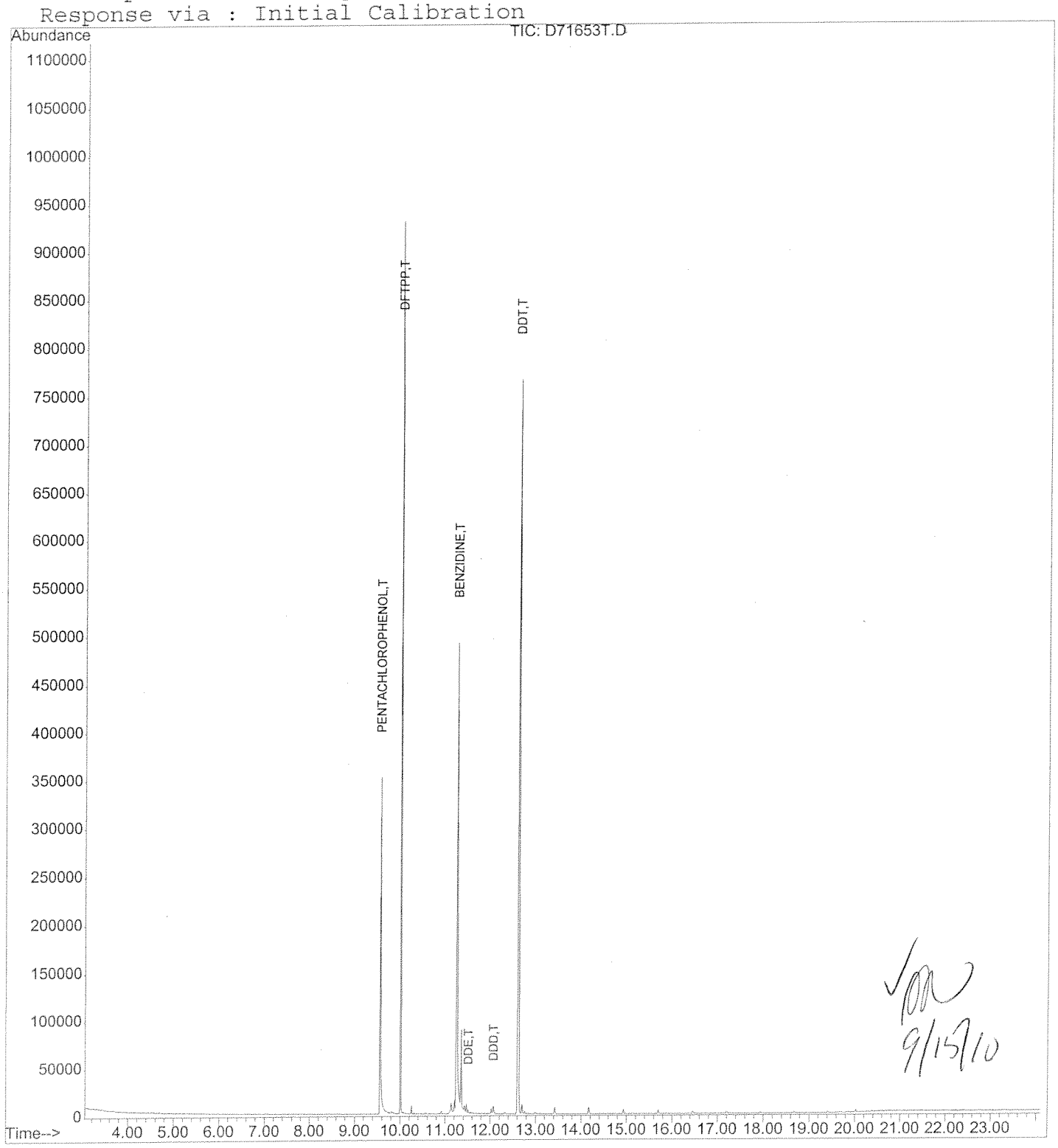
(#) = qualifier out of range (m) = manual integration
D71653T.D TUNMXEPH.M Tue Sep 14 09:28:47 2010

Data File : D:\HPCHEM\1\DATA\091310-D\D71653T.D
Acq On : 14 Sep 2010 4:15 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 14 9:00 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration

9-14-10



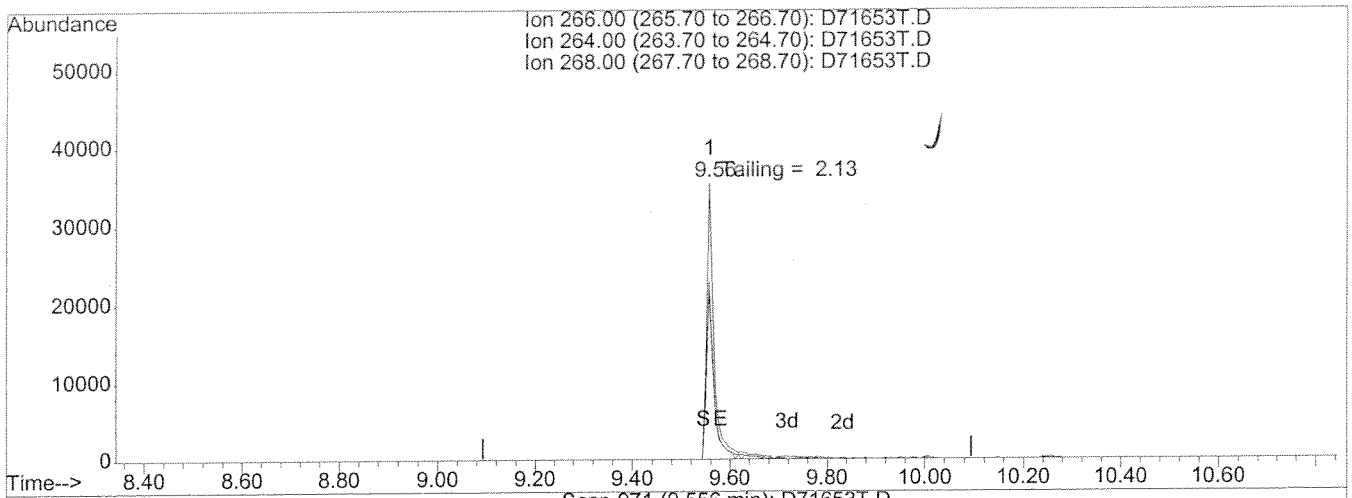
9/15/10

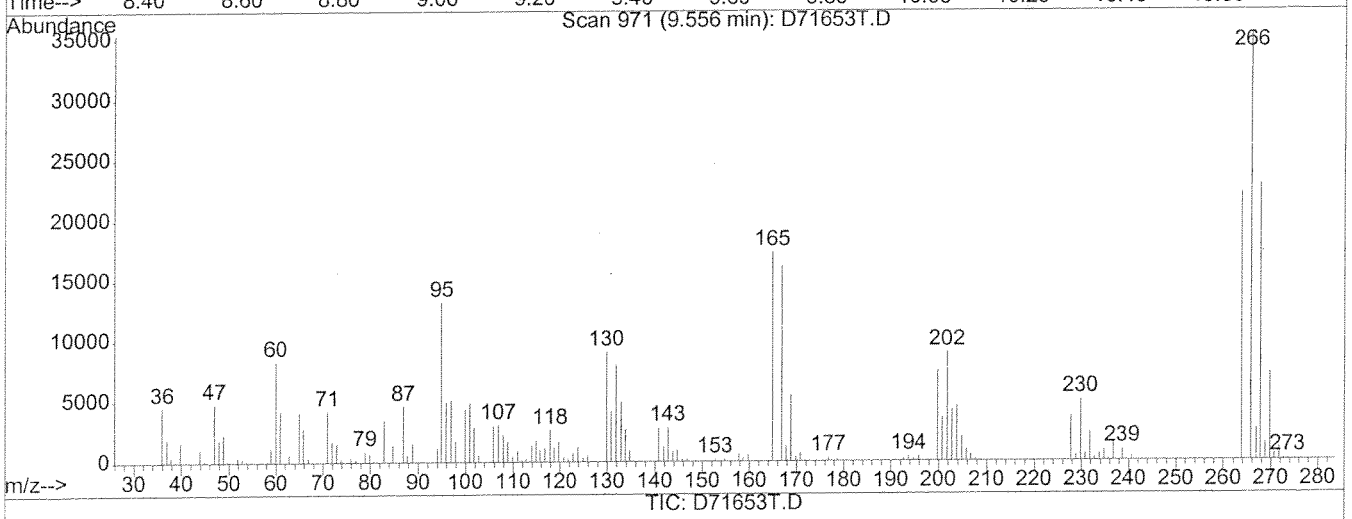
Data File : D:\HPCHEM\1\DATA\091310-D\D71653T.D
Acq On : 14 Sep 2010 4:15 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 14 9:00 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

JG 9/14/10





(1) PENTACHLOROPHENOL (T)

9.56min 15.43UG/L

response 38897

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	61.99
268.00	62.40	60.23
0.00	0.00	0.00

VON
9/15/10

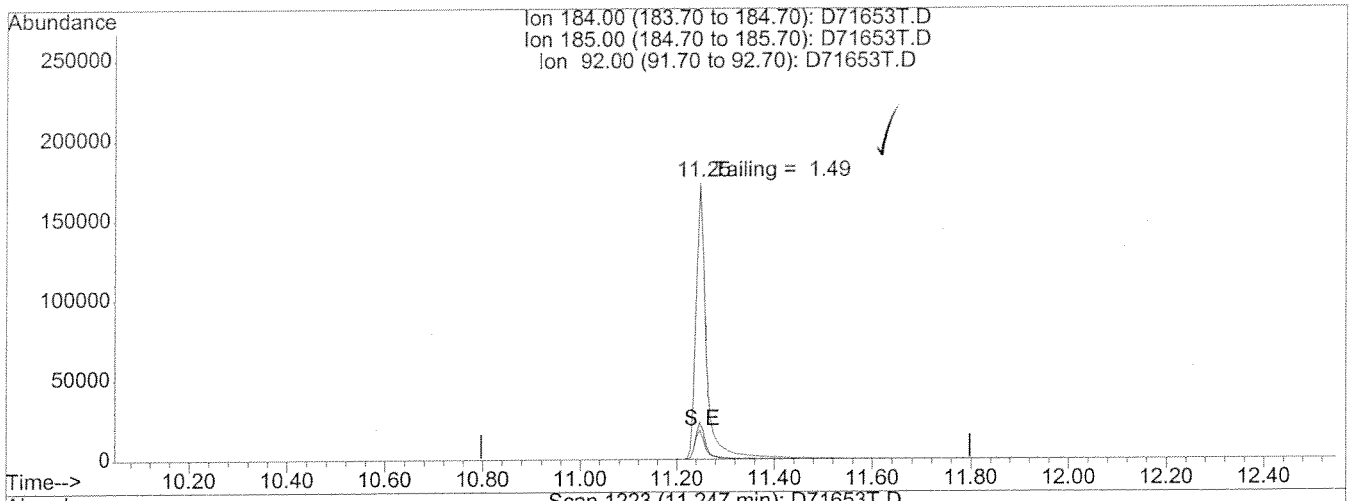
D71653T.D TUNMXEPH.M Tue Sep 14 09:00:32 2010

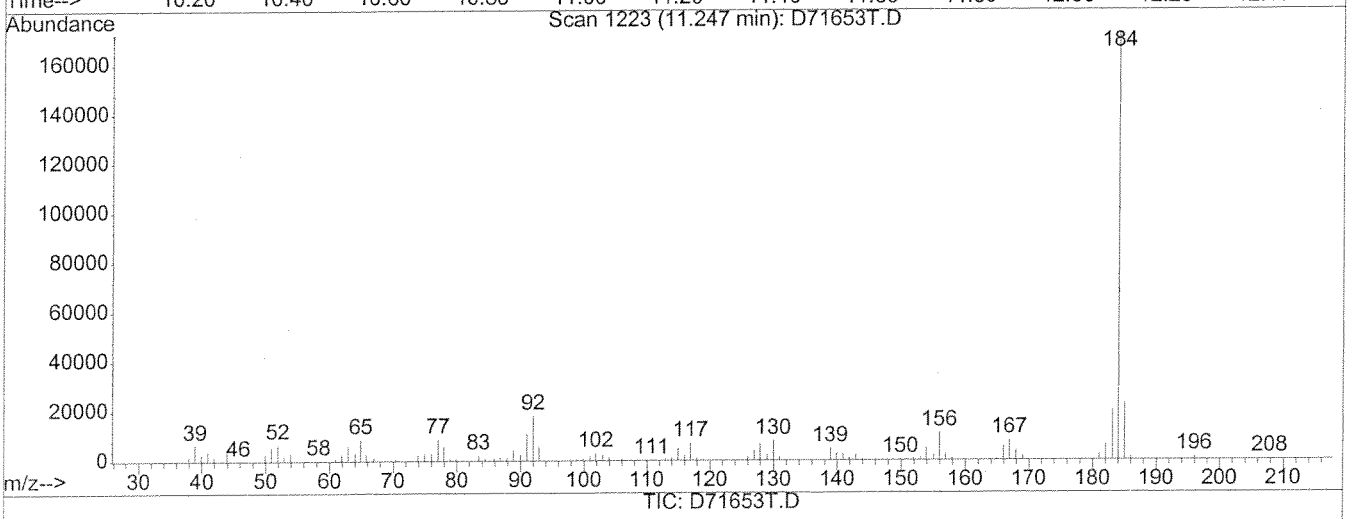
Data File : D:\HPCHEM\1\DATA\091310-D\D71653T.D
Acq On : 14 Sep 2010 4:15 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 14 9:00 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/14/10





TIC: D71653T.D

(3) BENZIDINE (T)

11.25min 32.10UG/L

response 257600

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.31#
92.00	0.00	10.94#
0.00	0.00	0.00

9/15/10

D71653T.D TUNMXEPH.M Tue Sep 14 09:00:41 2010

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010

N080510

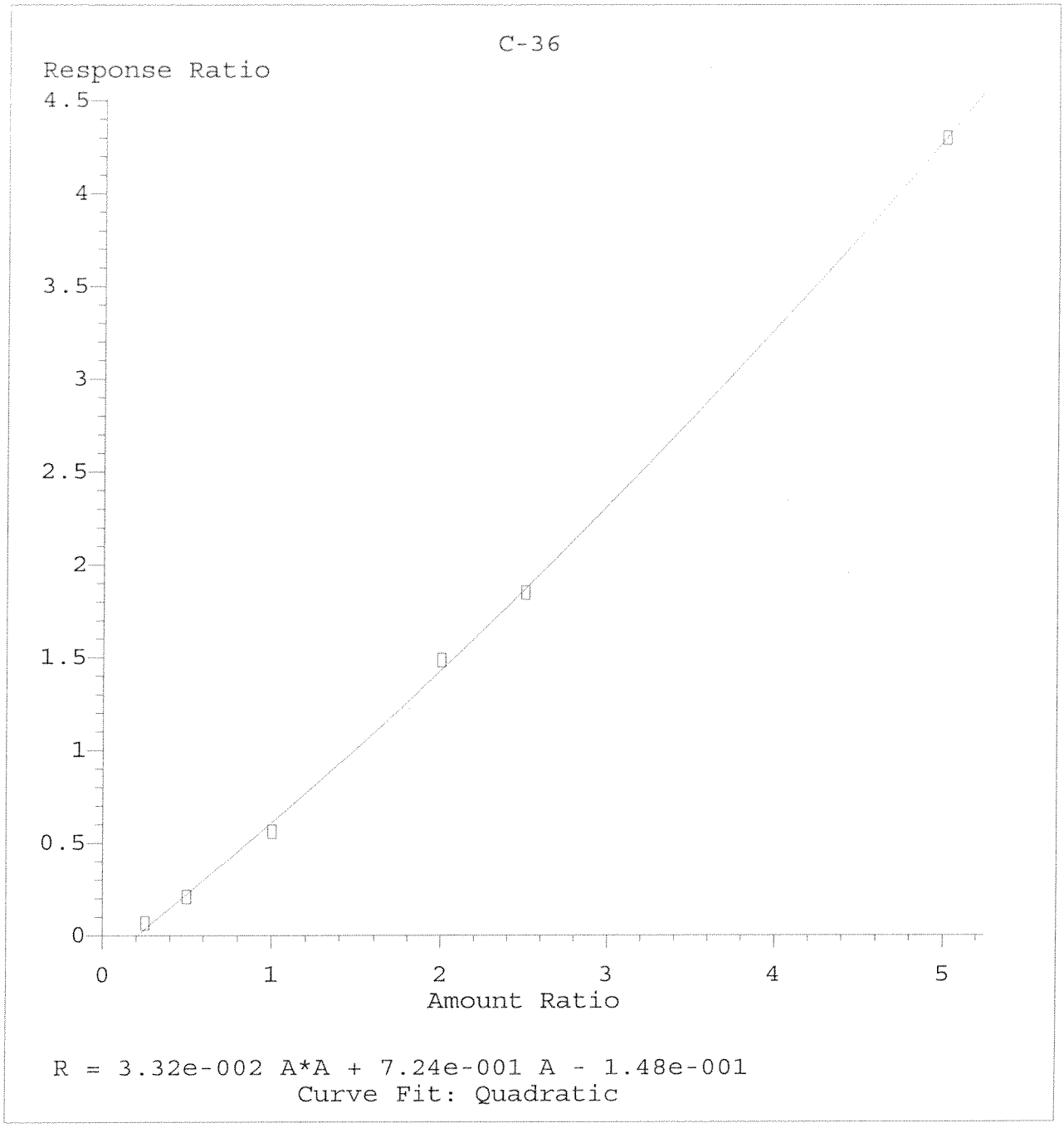
Calibration Files
5 =D71447SI.D 10 =D71448SI.D 20 =D71449SI.D
40 =D71450SI.D 50 =D71451SI.D 100 =D71452SI.D

	Compound	5	10	20	40	50	100	Avg		%RSD
1)	I 5-alpha-Androstane	----------ISTD----------								
2)	TZM C-9	1.183	1.207	1.210	1.297	1.278	1.277	1.242	0	3.8
3)	TZM C-10	1.208	1.243	1.232	1.328	1.325	1.283	1.270	0	3.9
4)	TZM C-12	1.226	1.320	1.372	1.449	1.422	1.394	1.364	0	5.9
5)	TZM C-14	1.287	1.336	1.376	1.498	1.486	1.410	1.399	0	5.9
6)	TZM C-16	1.221	1.308	1.370	1.410	1.411	1.381	1.350	0	5.4
7)	TZM C-18	1.202	1.290	1.351	1.451	1.435	1.329	1.343	0	6.8
8)	XH C9-C18 ✓	1.221	1.284	1.319	1.405	1.393	1.346	1.328	0	5.2
9)	TZM C-19	1.201	1.280	1.351	1.418	1.425	1.296	1.329	0	6.5
10)	TZM C-20	1.160	1.240	1.286	1.445	1.394	1.287	1.302	0	7.9
11)	S 1-Chlorooctadecane	1.087	1.167	1.211	1.310	1.301	1.288	1.227	0	7.2
12)	TZM C-22	1.146	1.251	1.294	1.401	1.365	1.282	1.290	0	6.9
13)	TZM C-24	0.999	1.219	1.235	1.377	1.347	1.251	1.238	0	10.7
14)	TZM C-26	0.897	1.133	1.184	1.311	1.208	1.147	1.147	0	12.0
15)	TZM C-28	0.701	0.966	1.045	1.149	1.115	1.062	1.006	0	16.1
16)	TZM C-30	0.584	0.821	0.931	1.078	1.043	0.979	0.906	0	20.0
[illegible]	TZM C-36	0.268	0.418	0.560	0.742	0.740	0.860	0.598	0	37.5
[illegible]	XH C19-C36 ✓	0.869	1.041	1.111	1.240	1.205	1.145	1.102	0	12.1

✓ PM 8/5/10

(#) = Out of Range

N10 80510



Method Name: D:\HPCHEM\1\METHODS\ALG80410.M
Calibration Table Last Updated: Thu Aug 05 08:16:42 2010

JON 8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71447SI.D
Acq On : 5 Aug 2010 2:18 am
Sample : S9700 ALI 5
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N 080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6392677	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	694715	1.771 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	8.85%#
Target Compounds			
2) TZM C-9	4.24	1891193	4.764 ug/ml
3) TZM C-10	5.20	1931056	4.757 ug/ml
4) TZM C-12	6.66	1959344	4.494 ug/ml
5) TZM C-14	7.84	2056697	4.600 ug/ml
6) TZM C-16	8.86	1951643	4.522 ug/ml
7) TZM C-18	9.77	1921309	4.476 ug/ml
8) XH C9-C18	7.58	13597137	32.033 ug/ml
9) TZM C-19	10.20	1920131	4.522 ug/ml
10) TZM C-20	10.65	1853445	4.454 ug/ml
12) TZM C-22	11.68	1831839	4.443 ug/ml
13) TZM C-24	13.01	1596452	4.034 ug/ml
14) TZM C-26	14.50	1432921	3.910 ug/ml
15) TZM C-28	16.04	1119751	3.482 ug/ml
16) TZM C-30	17.55	933127	3.223 ug/ml
17) TZM C-36	21.63	428162	5.856 ug/ml
18) XH C19-C36	12.10	18819045	53.433 ug/ml

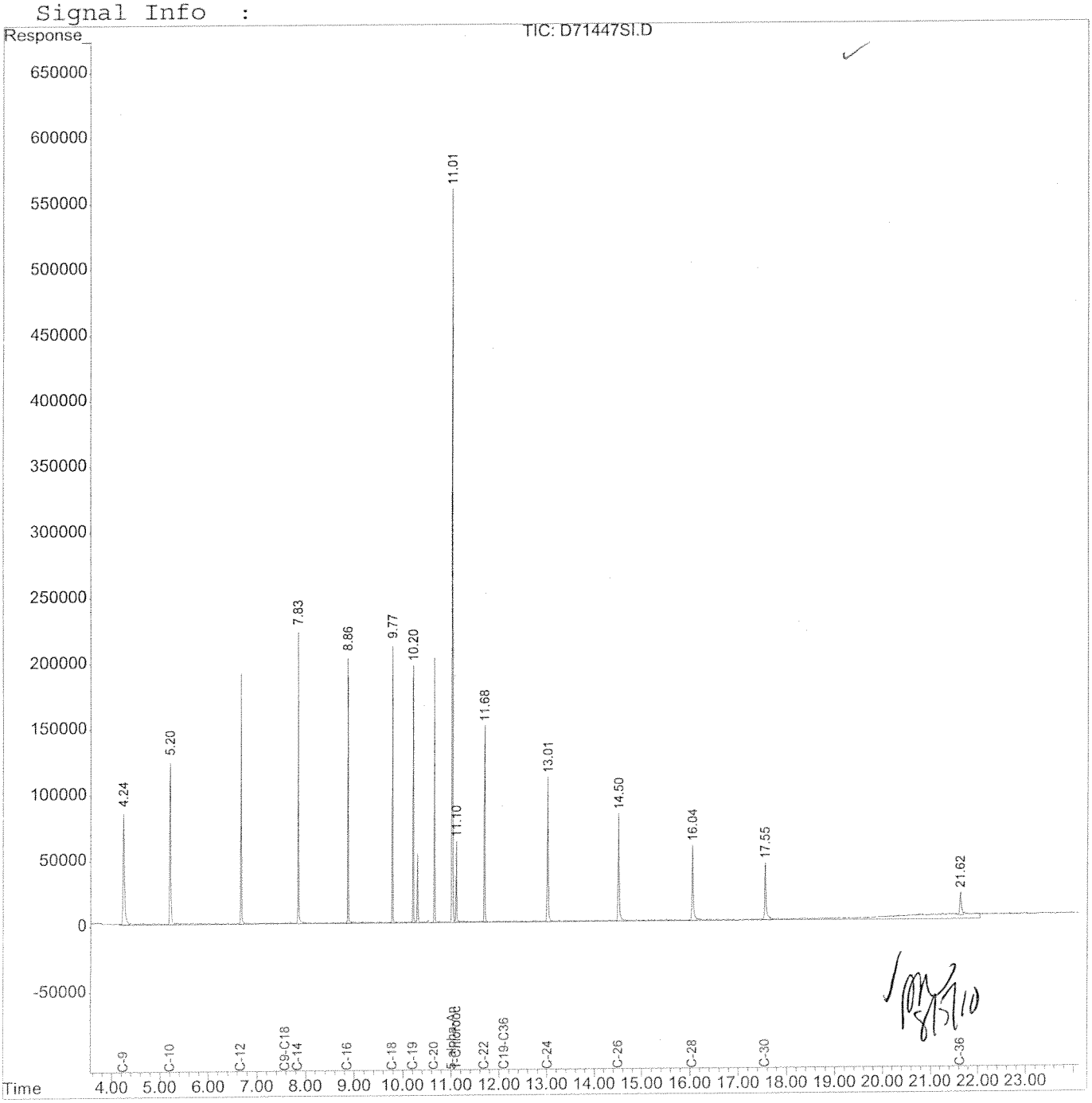
AR 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71447SI.D Vial: 2
Acq On : 5 Aug 2010 2:18 am Operator: AR/NP
Sample : S9700 ALI 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration NP080410
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



D71447SI.D ALG80410.M Thu Aug 05 08:19:47 2010 Page 2

Data File : D:\HPCHEM\1\DATA\080410-D\D71448SI.D
Acq On : 5 Aug 2010 2:48 am
Sample : S9701 ALI 10
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 3
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6336218	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	1479291	3.804 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	19.02%#
Target Compounds			
2) TZM C-9	4.24	3822700	9.716 ug/ml
3) TZM C-10	5.20	3938623	9.789 ug/ml
4) TZM C-12	6.66	4181325	9.677 ug/ml
5) TZM C-14	7.84	4233963	9.554 ug/ml
6) TZM C-16	8.86	4142955	9.685 ug/ml
7) TZM C-18	9.78	4088278	9.608 ug/ml
8) XH C9-C18	7.58	26462635	62.897 ug/ml
9) TZM C-19	10.20	4053948	9.632 ug/ml
10) TZM C-20	10.65	3929689	9.527 ug/ml
12) TZM C-22	11.68	3962671	9.698 ug/ml
13) TZM C-24	13.01	3863046	9.849 ug/ml
14) TZM C-26	14.50	3588388	9.878 ug/ml
15) TZM C-28	16.04	3060440	9.601 ug/ml
16) TZM C-30	17.55	2600258	9.060 ug/ml
17) TZM C-36	21.63	1322837	9.639 ug/ml
18) XH C19-C36	12.10	35862300	102.732 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window
(m)=manual int.

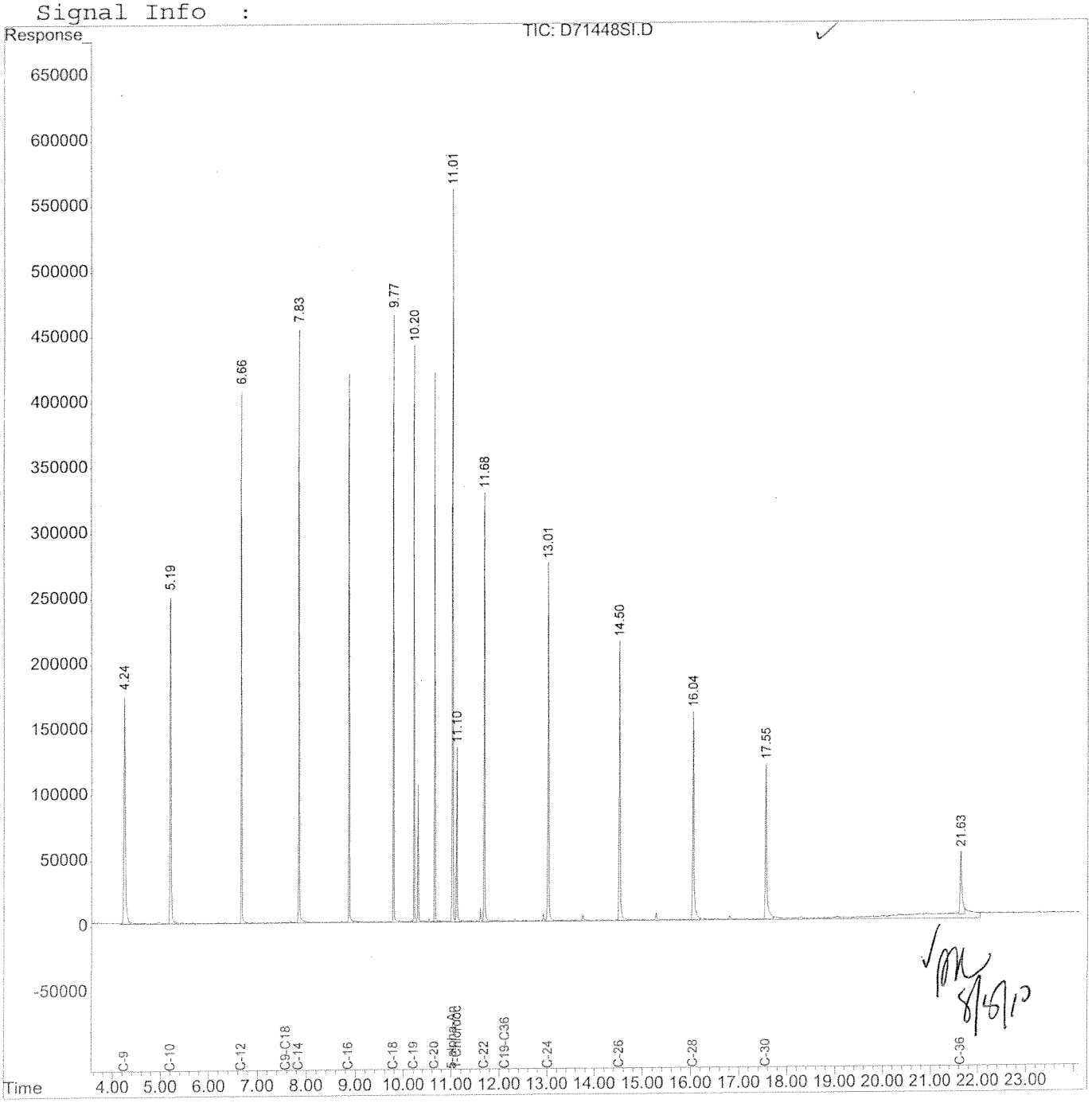
Data File : D:\HPCHEM\1\DATA\080410-D\D71448SI.D
Acq On : 5 Aug 2010 2:48 am
Sample : S9701 ALI 10
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 3
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NP080410

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71449SI.D
Acq On : 5 Aug 2010 3:19 am
Sample : S9702 ALI 20
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 4
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7097682	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	3438982	7.895 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	39.48%#
Target Compounds			
2) TZM C-9	4.24	8588165	19.486 ug/ml
3) TZM C-10	5.20	8746659	19.406 ug/ml
4) TZM C-12	6.66	9739787	20.122 ug/ml
5) TZM C-14	7.84	9764383	19.669 ug/ml
6) TZM C-16	8.86	9726068	20.297 ug/ml
7) TZM C-18	9.77	9590287	20.121 ug/ml
8) XH C9-C18	7.58	59053936	125.303 ug/ml
9) TZM C-19	10.20	9591604	20.344 ug/ml
10) TZM C-20	10.65	9128743	19.757 ug/ml
12) TZM C-22	11.68	9185337	20.067 ug/ml
13) TZM C-24	13.01	8763475	19.947 ug/ml
14) TZM C-26	14.50	8407095	20.660 ug/ml
15) TZM C-28	16.04	7415225	20.766 ug/ml
16) TZM C-30	17.55	6607521	20.553 ug/ml
17) TZM C-36	21.63	3975883	18.754 ug/ml
18) XH C19-C36	12.10	74373245	190.194 ug/ml

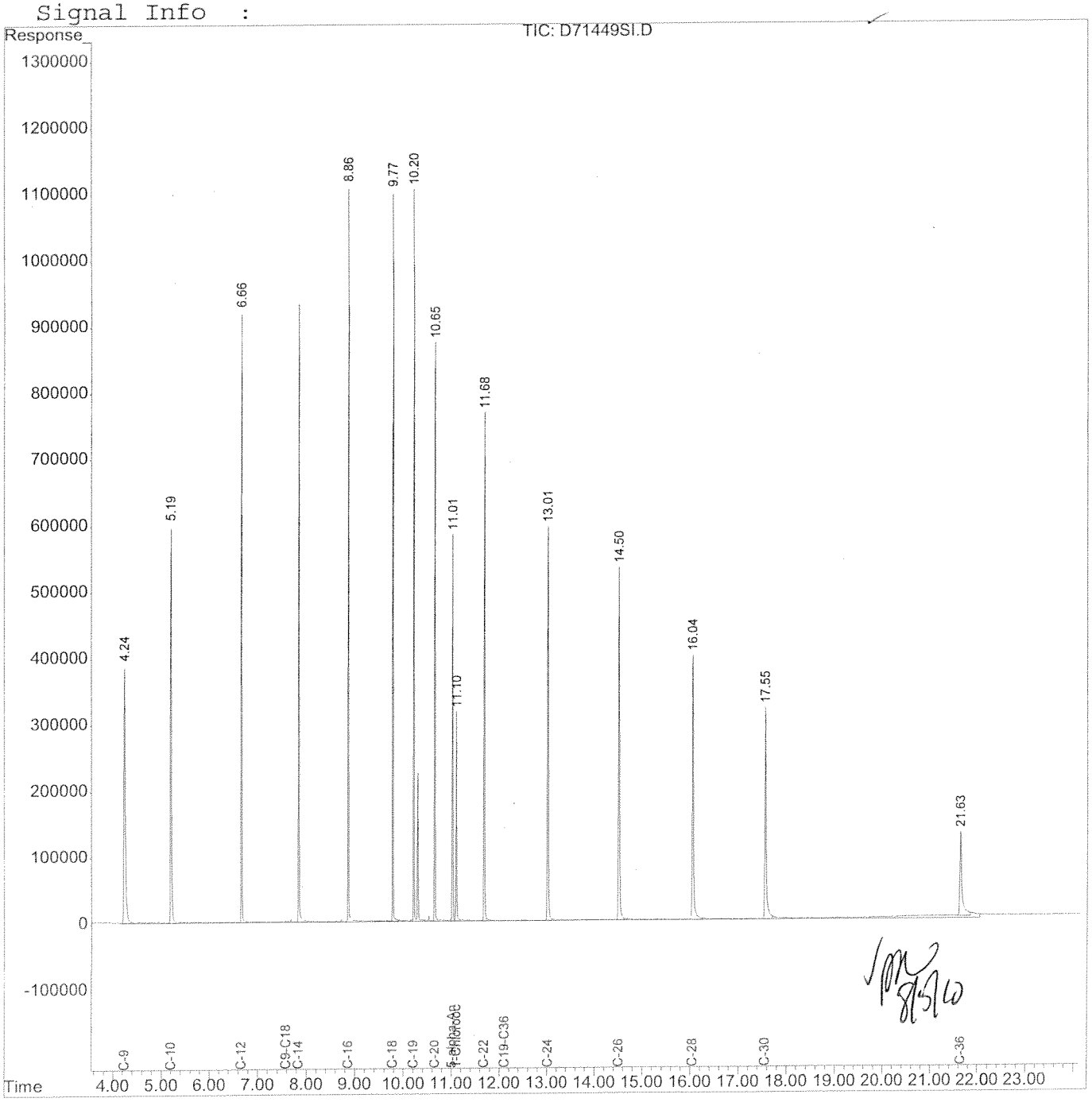
8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71449SI.D Vial: 4
Acq On : 5 Aug 2010 3:19 am Operator: AR/NP
Sample : S9702 ALI 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration AN080410
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D
Acq On : 5 Aug 2010 3:49 am
Sample : S9936 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 5
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NM80410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6995121	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	7331733	17.080 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.40%
Target Compounds			
2) TZM C-9	4.24	18142546	41.768 ug/ml
3) TZM C-10	5.20	18581737	41.832 ug/ml
4) TZM C-12	6.66	20277452	42.507 ug/ml
5) TZM C-14	7.84	20955405	42.832 ug/ml
6) TZM C-16	8.86	19724958	41.766 ug/ml
7) TZM C-18	9.78	20294947	43.204 ug/ml
8) XH C9-C18	7.58	121466705	261.512 ug/ml
9) TZM C-19	10.21	19831232	42.680 ug/ml
10) TZM C-20	10.65	20212359	44.386 ug/ml
12) TZM C-22	11.68	19594057	43.434 ug/ml
13) TZM C-24	13.02	19266627	44.496 ug/ml
14) TZM C-26	14.51	18335389	45.718 ug/ml
15) TZM C-28	16.05	16077236	45.684 ug/ml
16) TZM C-30	17.56	15083647	47.606 ug/ml
17) TZM C-36	21.64	10386932	41.215 ug/ml
18) XH C19-C36	12.10	154317013	400.420 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

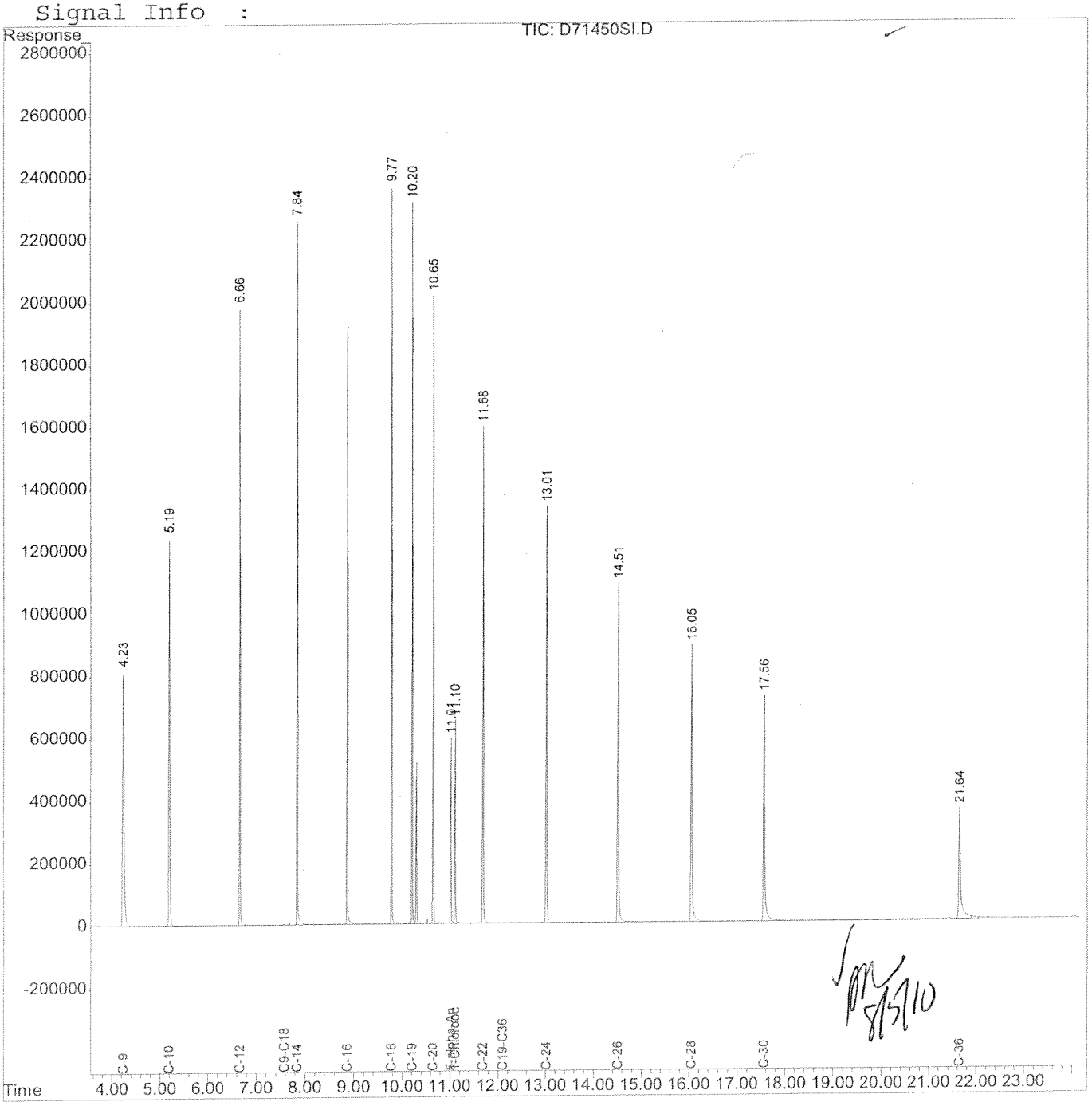
Data File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D
Acq On : 5 Aug 2010 3:49 am
Sample : S9936 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 5
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NP 082410

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71451SI.D Vial: 6
Acq On : 5 Aug 2010 4:20 am Operator: AR/NP
Sample : S9704 ALI 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NPD80410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6719901	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.11	8740750	21.196 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	105.98%
Target Compounds			
2) TZM C-9	4.23	21471611	51.457 ug/ml
3) TZM C-10	5.20	22257625	52.159 ug/ml
4) TZM C-12	6.66	23885748	52.122 ug/ml
5) TZM C-14	7.84	24969534	53.126 ug/ml
6) TZM C-16	8.86	23711711	52.264 ug/ml
7) TZM C-18	9.78	24100785	53.407 ug/ml
8) XH C9-C18	7.58	143898899	322.496 ug/ml
9) TZM C-19	10.21	23935439	53.622 ug/ml
10) TZM C-20	10.65	23417674	53.531 ug/ml
12) TZM C-22	11.69	22935371	52.923 ug/ml
13) TZM C-24	13.02	22630520	54.406 ug/ml
14) TZM C-26	14.51	20297682	52.684 ug/ml
15) TZM C-28	16.05	18730549	55.403 ug/ml
16) TZM C-30	17.56	17517785	57.553 ug/ml
17) TZM C-36	21.64	12428650	49.555 ug/ml
18) XH C19-C36	12.10	179826756	485.724 ug/ml

JM 8/5/10

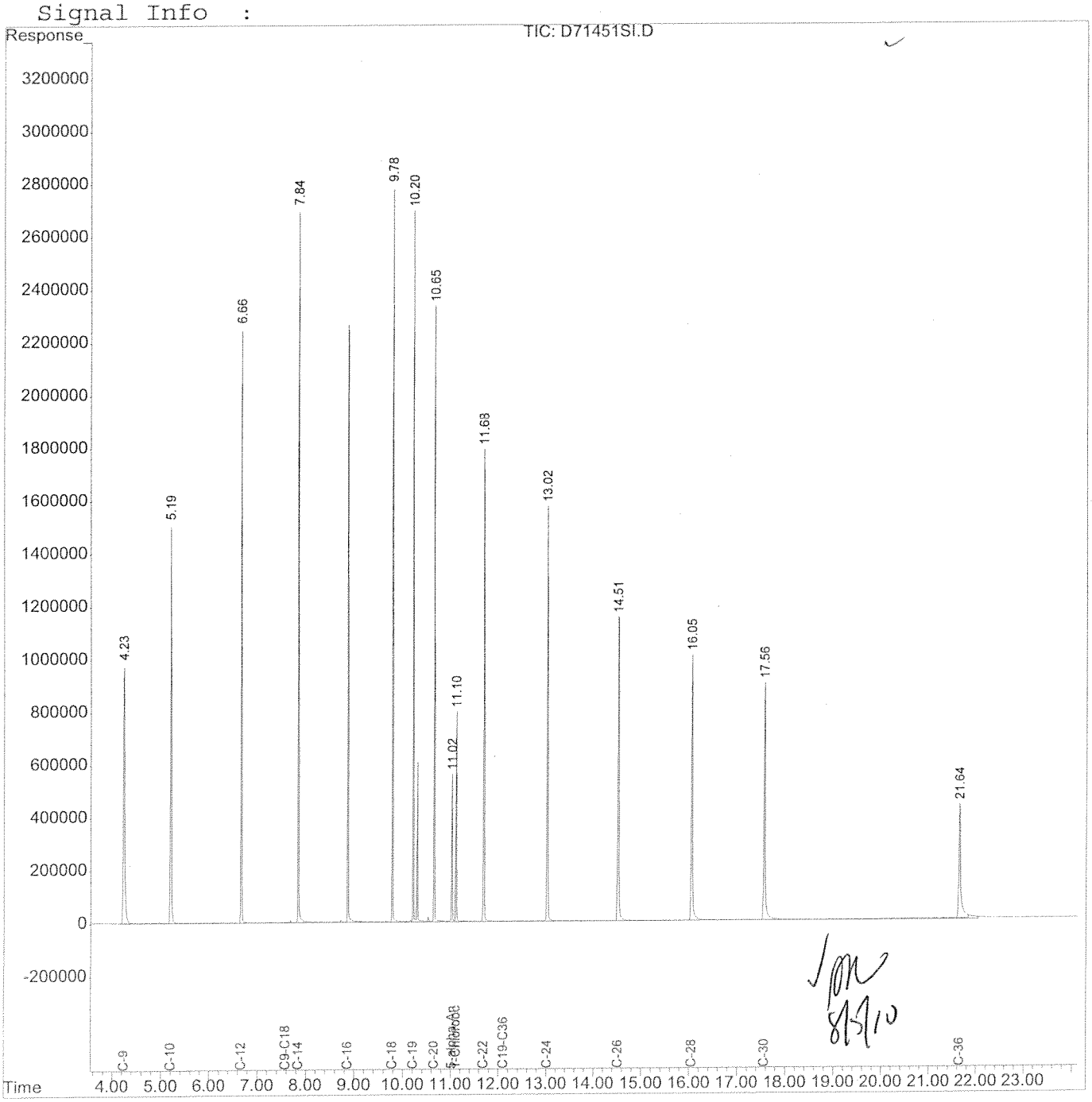
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71451SI.D Vial: 6
Acq On : 5 Aug 2010 4:20 am Operator: AR/NP
Sample : S9704 ALI 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

N1080410

Volume Inj. :
Signal Phase :
Signal Info :



JPN 8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71452SI.D Vial: 7
Acq On : 5 Aug 2010 4:50 am Operator: AR/NP
Sample : S9705 ALI 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NTP 80410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6944560	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.11	17886066	41.970 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	209.85%#
Target Compounds			
2) TZM C-9	4.24	44324733	102.789 ug/ml
3) TZM C-10	5.20	44561099	101.047 ug/ml
4) TZM C-12	6.67	48409664	102.219 ug/ml
5) TZM C-14	7.84	48952535	100.784 ug/ml
6) TZM C-16	8.87	47958211	102.288 ug/ml
7) TZM C-18	9.78	46158283	98.978 ug/ml
8) XH C9-C18	7.58	285737875	619.660 ug/ml
9) TZM C-19	10.21	45011659	97.577 ug/ml
10) TZM C-20	10.66	44684225	98.841 ug/ml
12) TZM C-22	11.69	44512571	99.390 ug/ml
13) TZM C-24	13.03	43429087	101.030 ug/ml
14) TZM C-26	14.52	39840863	100.065 ug/ml
15) TZM C-28	16.06	36863838	105.513 ug/ml
16) TZM C-30	17.57	33990751	108.060 ug/ml
17) TZM C-36	21.66	29861269	99.974 ug/ml
18) XH C19-C36	12.10	345902377	904.079 ug/ml

8/5/10

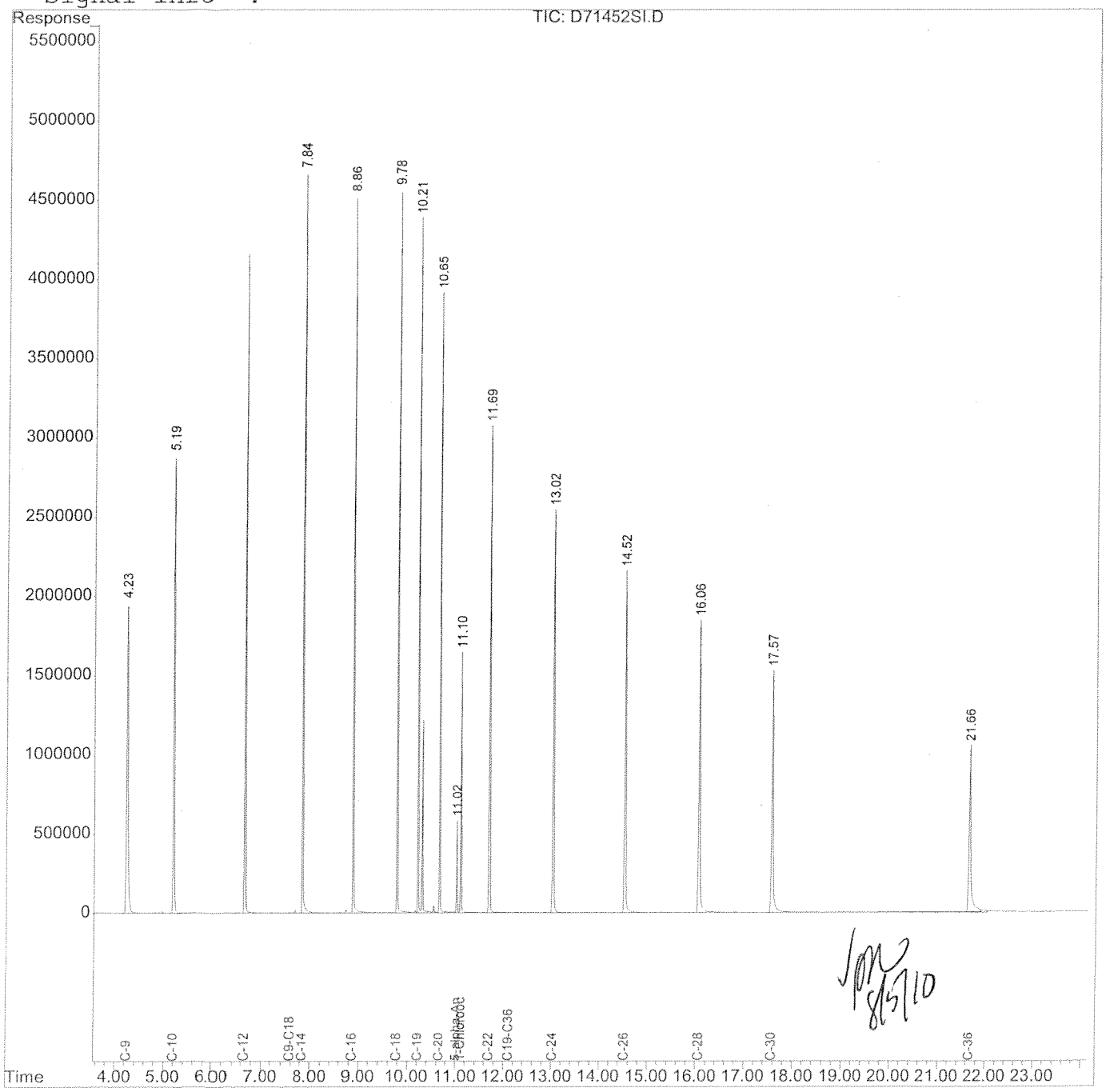
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71452SI.D Vial: 7
Acq On : 5 Aug 2010 4:50 am Operator: AR/NP
Sample : S9705 ALI 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NTS 80410

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

GC ALIPHATIC
2ND SOURCE CHECK

Data File Name D71453.D
Sample Name S9715 ALI 20 ICV
Date Acquired 8/5/2010 5:21

Np8040

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
C-9	20.65	20	103%	OK	20.65		
C-10	21.26	20	106%	OK	21.26		
C-12	22.50	20	113%	OK	22.50		
C-14	21.19	20	106%	OK	21.19		
C-16	21.45	20	107%	OK	21.45		
C-18	20.57	20	103%	OK	20.57		
C9-C18		120			**127.62**	106%	OK
C-19	20.54	20	103%	OK	20.54		
C-20	21.18	20	106%	OK	21.18		
C-22	21.05	20	105%	OK	21.05		
C-24	20.76	20	104%	OK	20.76		
C-26	20.40	20	102%	OK	20.40		
C-28	21.22	20	106%	OK	21.22		
C-30	20.68	20	103%	OK	20.68		
C-36	18.98	20	95%	OK	18.98		
C19-C36		160			**164.81**	103%	OK
1-Chlorooctadecane	19.20	20	96%	OK			

JM 8/5/10

8/5/10 8:18 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ALGICVSUMPRCT.CRT

Data File : D:\HPCHEM\1\DATA\080410-D\D71453.D
Acq On : 5 Aug 2010 5:21 am
Sample : S9715 ALI 20 ICV
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 8
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP 8/5/10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6985246	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	8231904	19.204 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	96.02%
Target Compounds			
2) TZM C-9	4.22	8955604	20.647 ug/ml
3) TZM C-10	5.19	9430103	21.259 ug/ml
4) TZM C-12	6.66	10720219	22.504 ug/ml
5) TZM C-14	7.84	10353883	21.193 ug/ml
6) TZM C-16	8.86	10118153	21.455 ug/ml
7) TZM C-18	9.77	9647389	20.566 ug/ml
8) XH C9-C18	7.58	64711701	139.518 ug/ml
9) TZM C-19	10.20	9531821	20.543 ug/ml
10) TZM C-20	10.65	9632283	21.182 ug/ml
12) TZM C-22	11.68	9484344	21.054 ug/ml
13) TZM C-24	13.01	8975020	20.757 ug/ml
14) TZM C-26	14.51	8171275	20.404 ug/ml
15) TZM C-28	16.05	7456659	21.218 ug/ml
16) TZM C-30	17.55	6541762	20.676 ug/ml
17) TZM C-36	21.64	3973572	18.975 ug/ml
18) XH C19-C36	12.10	80336204	208.750 ug/ml

NP 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

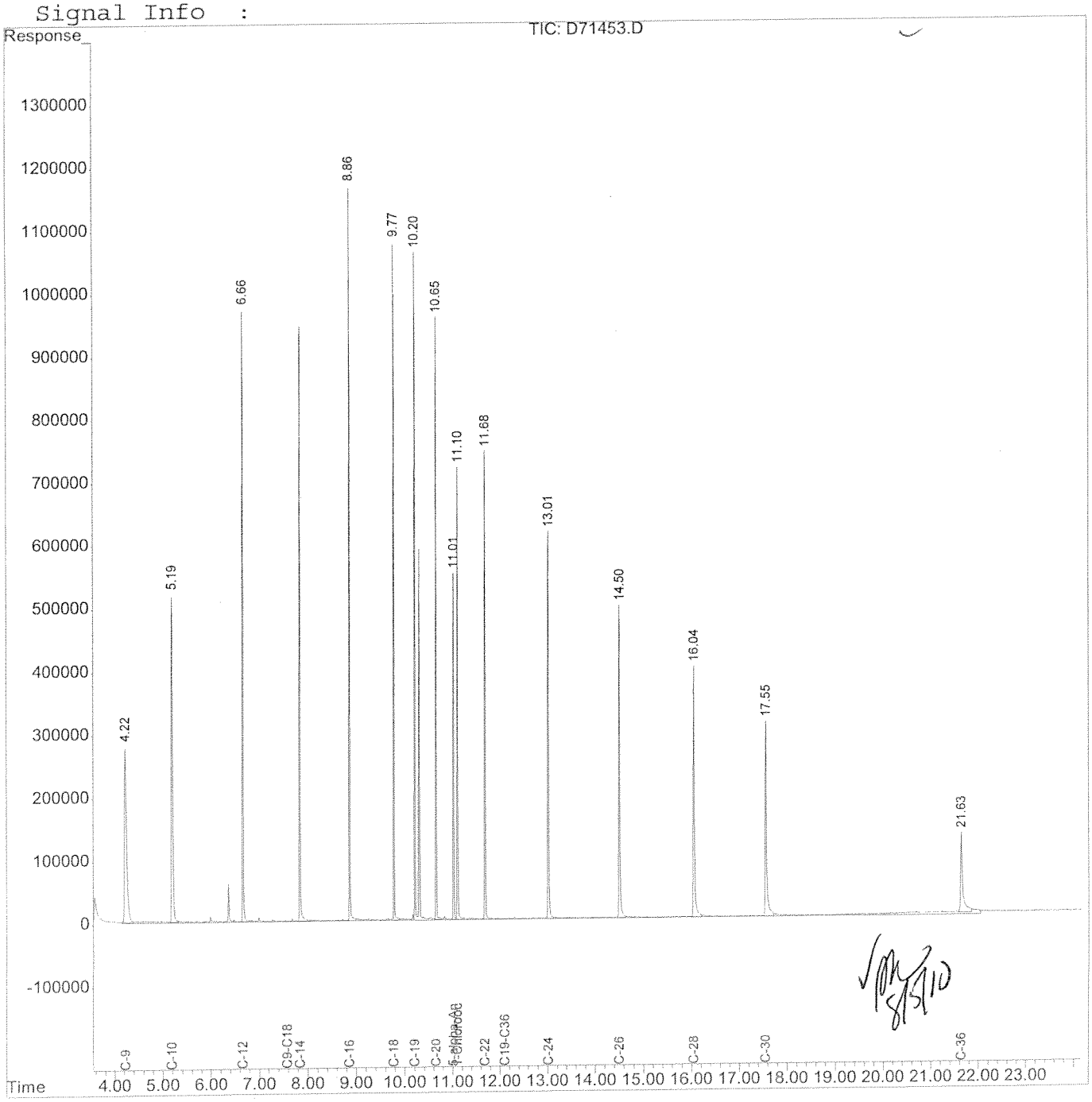
Data File : D:\HPCHEM\1\DATA\080410-D\D71453.D
Acq On : 5 Aug 2010 5:21 am
Sample : S9715 ALI 20 ICV
Misc :
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Vial: 8
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NP080410

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Response Factor Report GC/MS TMS

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Initial Calibration

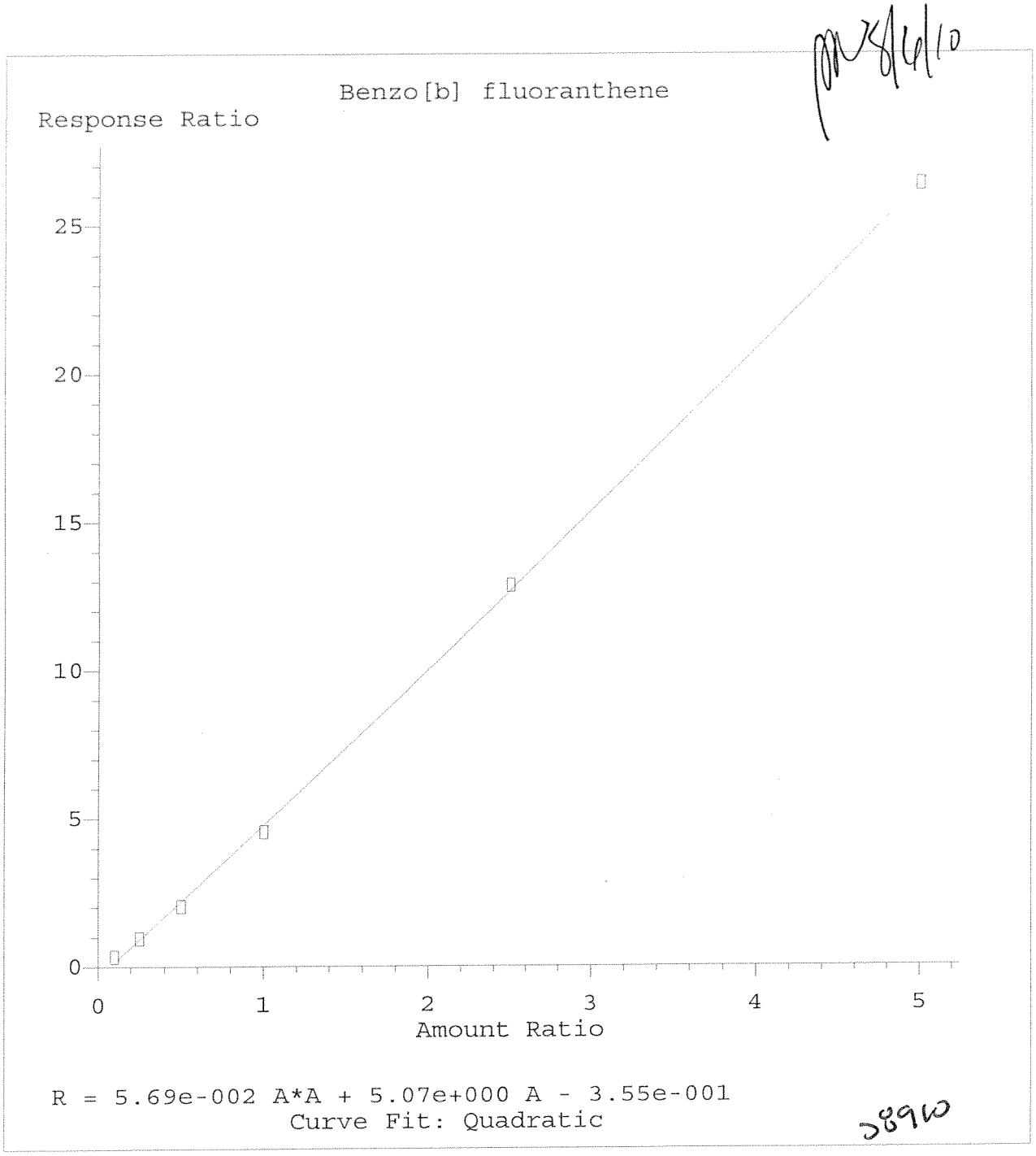
PM 8/6/10

Calibration Files
2 =D71454SI.D 5 =D71455SI.D 10 =D71456SI.D
20 =D71457SI.D 50 =D71458SI.D 100 =D71459SI.D

		Compound	2	5	10	20	50	100	Avg	%RSD
1)	I	5-alpha-Androstane	ISTD							
2)	TM	Naphthalene	7.529	8.067	8.021	8.065	8.411	8.319	8.069	3.81
3)	TM	2-Methylnaphthalene	4.272	4.227	4.490	4.367	4.567	4.461	4.397	3.00
4)	TM	Acenaphthylene	7.175	7.196	7.568	7.725	7.847	8.054	7.594	4.67
5)	TM	Acenaphthene	3.988	4.266	4.200	4.253	4.341	4.381	4.238	3.27
6)	TM	Fluorene	4.766	4.754	4.726	5.019	5.094	5.183	4.924	4.04
7)	TM	Phenanthrene	5.790	6.350	6.654	6.612	7.164	7.247	6.636	8.12
8)	TM	Anthracene	6.252	6.723	6.969	6.962	7.342	7.181	6.905	5.55
9)	S	2-Fluorobiphenyl	4.962	5.070	5.126	5.346	5.555	5.684	5.290	5.43
10)	S	2-Bromonaphthalene	1.949	2.082	2.148	2.219	2.314	2.438	2.192	7.88
11)	S	o-terphenyl	2.922	2.941	3.027	3.071	3.178	3.450	3.098	6.32
12)	TM	Fluoranthene	6.548	6.616	6.619	6.843	7.312	7.503	6.907	5.86
13)	TM	Pyrene	6.654	6.794	6.950	7.180	7.455	7.533	7.094	5.02
14)	TM	Benzo[a]anthracene	4.500	4.828	5.075	5.629	6.236	6.423	5.449	14.28
15)	TM	Chrysene	5.455	5.333	5.504	5.870	6.131	6.226	5.753	6.53
16)	TM	Benzo[b] fluoranthe	3.542	3.820	4.066	4.549	5.141	5.276	4.399	16.15 Q
17)	TM	Benzo[k] fluoranthe	4.512	4.443	4.728	5.002	5.179	5.489	4.892	8.30
18)	TM	Benzo[a] pyrene	3.547	3.725	4.157	4.501	4.785	5.149	4.311	14.35 Q
19)	TM	Indeno [1,2,3-cd] p	2.140	2.497	3.013	3.516	3.793	3.712	3.112	21.89 Q
20)	TM	Dibenz [a,h] anthra	2.720	3.042	3.475	3.725	3.843	3.976	3.463	14.18 Q
21)	TM	Benzo(g,h,i) peryl	3.427	3.604	3.780	4.136	3.851	3.459	3.709	7.24 Q
22)		c11-c22							0.000#	-1.00

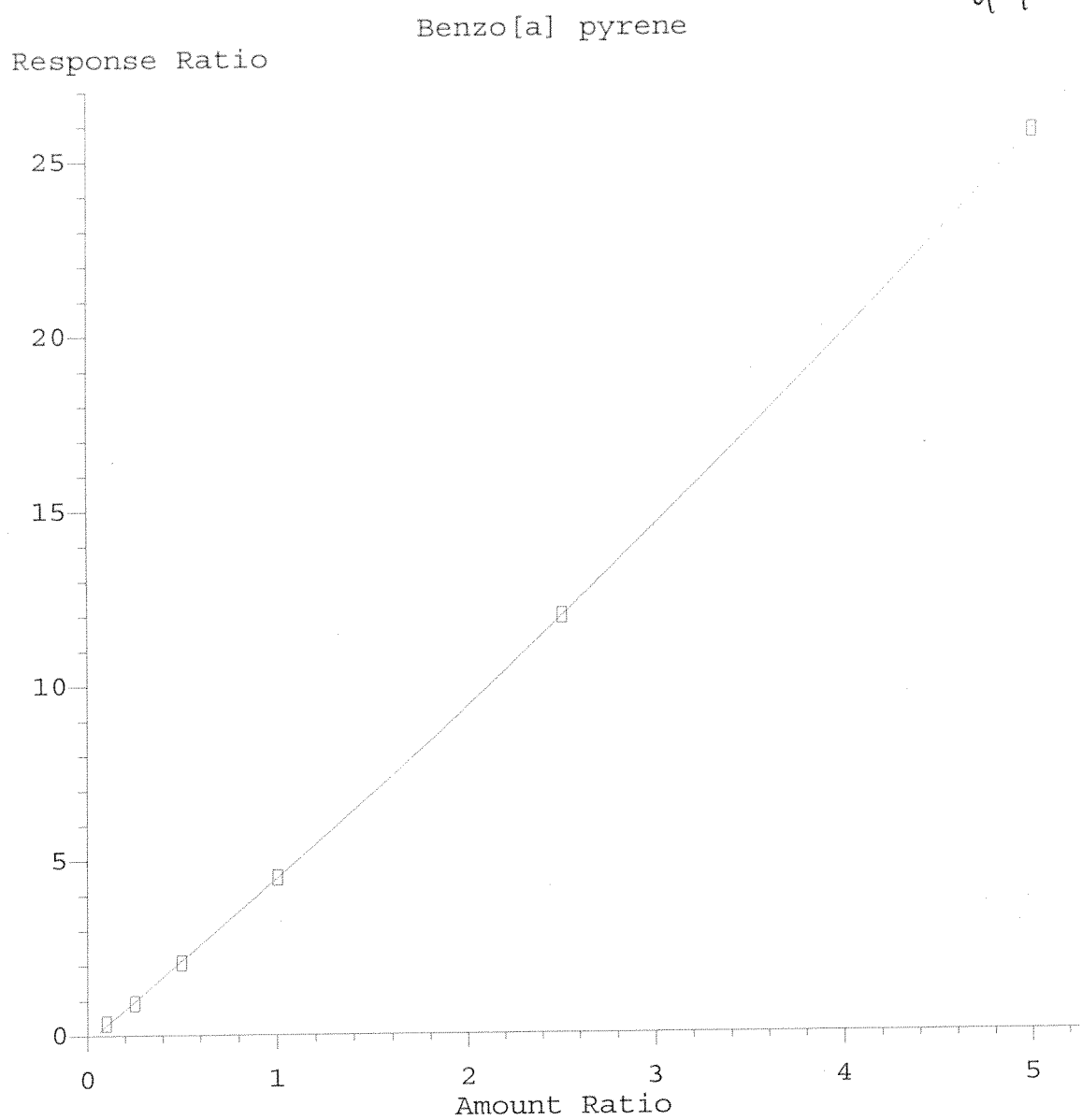
08910

(#) = Out of Range
ARM80410.M Fri Aug 06 01:48:15 2010 Page 1



Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10

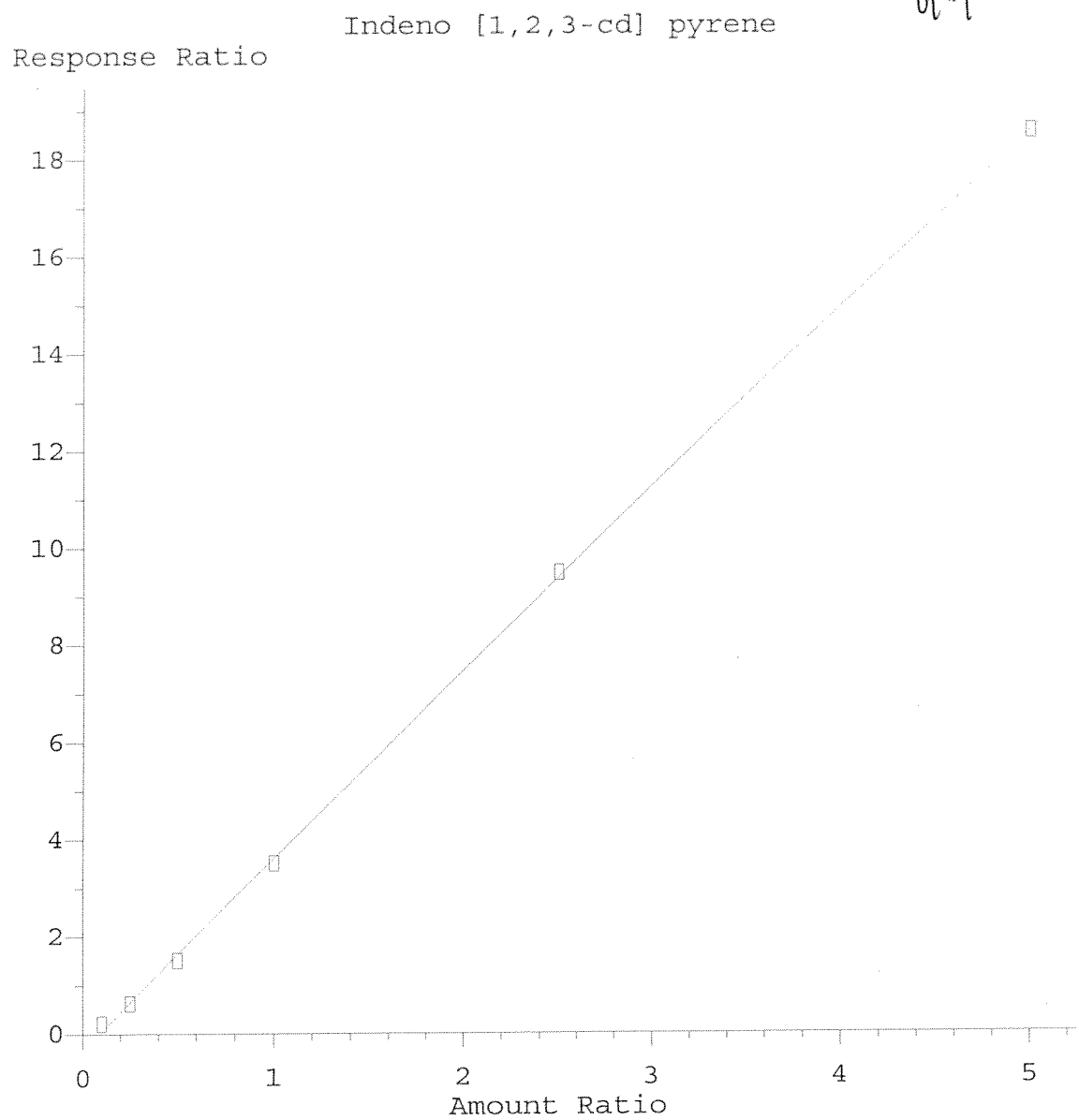


R = 1.34e-001 A*A + 4.51e+000 A - 1.63e-001
Curve Fit: Quadratic

38910

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10

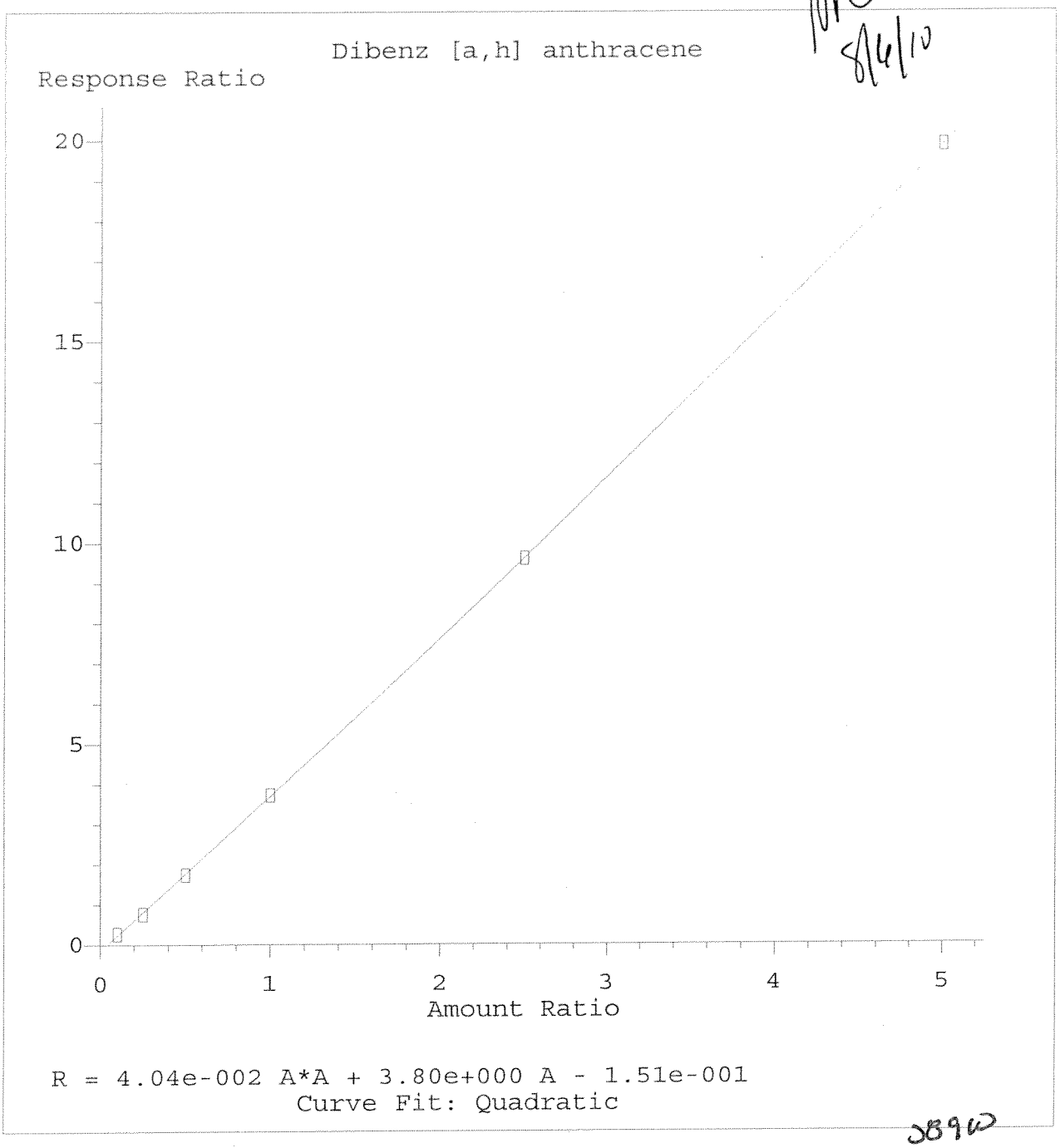


R = -4.35e-002 A*A + 4.00e+000 A - 3.53e-001
Curve Fit: Quadratic

3890

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

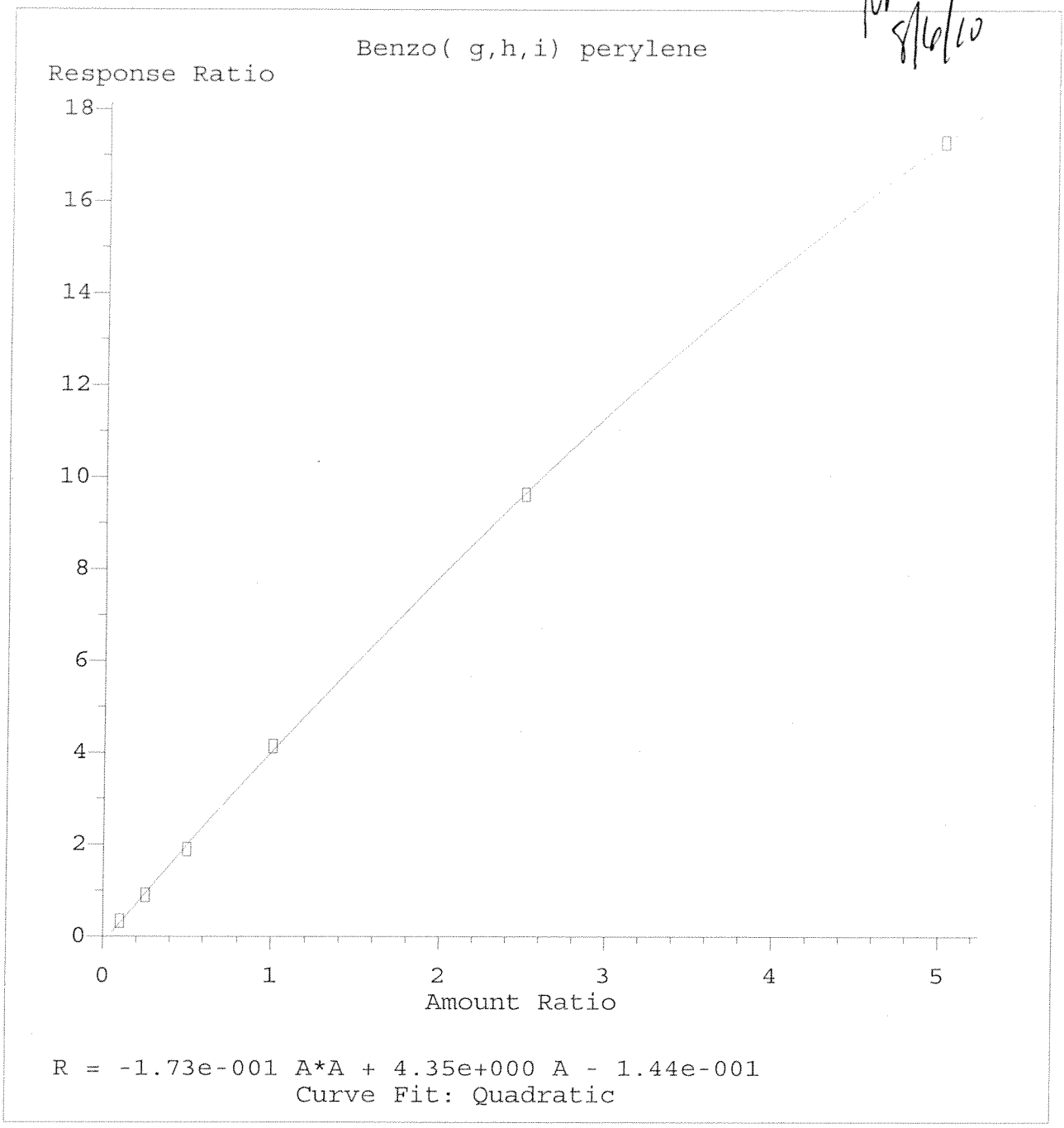
8/6/10



JB 9/10

Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

8/6/10



Method Name: D:\HPCHEM\1\METHODS\ARM80410.M
Calibration Table Last Updated: Fri Aug 06 00:57:48 2010

DBGW

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D
Acq On : 5 Aug 2010 5:51 am
Sample : S9706 ARO 2
Misc :
Integration Params: RTEINT.P
Quant Time: Aug 5 11:11 2010

Vial: 9
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP080510
Q

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.01	95	39531 ✓	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.77	172	11768	1.13 ug/ml	0.01
Spiked Amount 20.000	Range 40 - 140		Recovery	= 5.65%#	
10) 2-Bromonaphthalene	8.45	206	4623	1.07 ug/ml	0.01
Spiked Amount 20.000	Range 40 - 140		Recovery	= 5.35%#	
11) o-terphenyl	10.30	230	4621	0.75 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 3.75%#	

Target Compounds					Qvalue
2) Naphthalene	6.72	128	29763	1.87 ug/ml	98
3) 2-Methylnaphthalene	7.41	141	16889	1.95 ug/ml	96
4) Acenaphthylene	8.31	152	28363	1.89 ug/ml	99
5) Acenaphthene	8.48	154	15766	1.88 ug/ml	98
6) Fluorene	8.99	166	18839	1.94 ug/ml	99
7) Phenanthrene	9.95	178	22887	1.74 ug/ml	99
8) Anthracene	10.00	178	24715	1.82 ug/ml	99
12) Fluoranthene	11.31	202	25886	1.90 ug/ml#	89
13) Pyrene	11.64	202	26304	1.88 ug/ml#	87
14) Benzo[a]anthracene	13.86	228	17789	1.65 ug/ml	99
15) Chrysene	13.93	228	21564	1.90 ug/ml	99
16) Benzo[b] fluoranthene	16.20	252	14002	3.17 ug/ml#	88
17) Benzo[k] fluoranthene	16.26	252	17836	1.87 ug/ml#	90
18) Benzo[a] pyrene	16.89	252	14022	1.66 ug/ml#	89
19) Indeno [1,2,3-cd] pyrene	19.21	276	8461m	1.74 ug/ml	
20) Dibenz [a,h] anthracene	19.26	278	10751	1.58 ug/ml#	81
21) Benzo(g,h,i) perylene	19.70	276	13548	1.86 ug/ml#	73

8/6/10

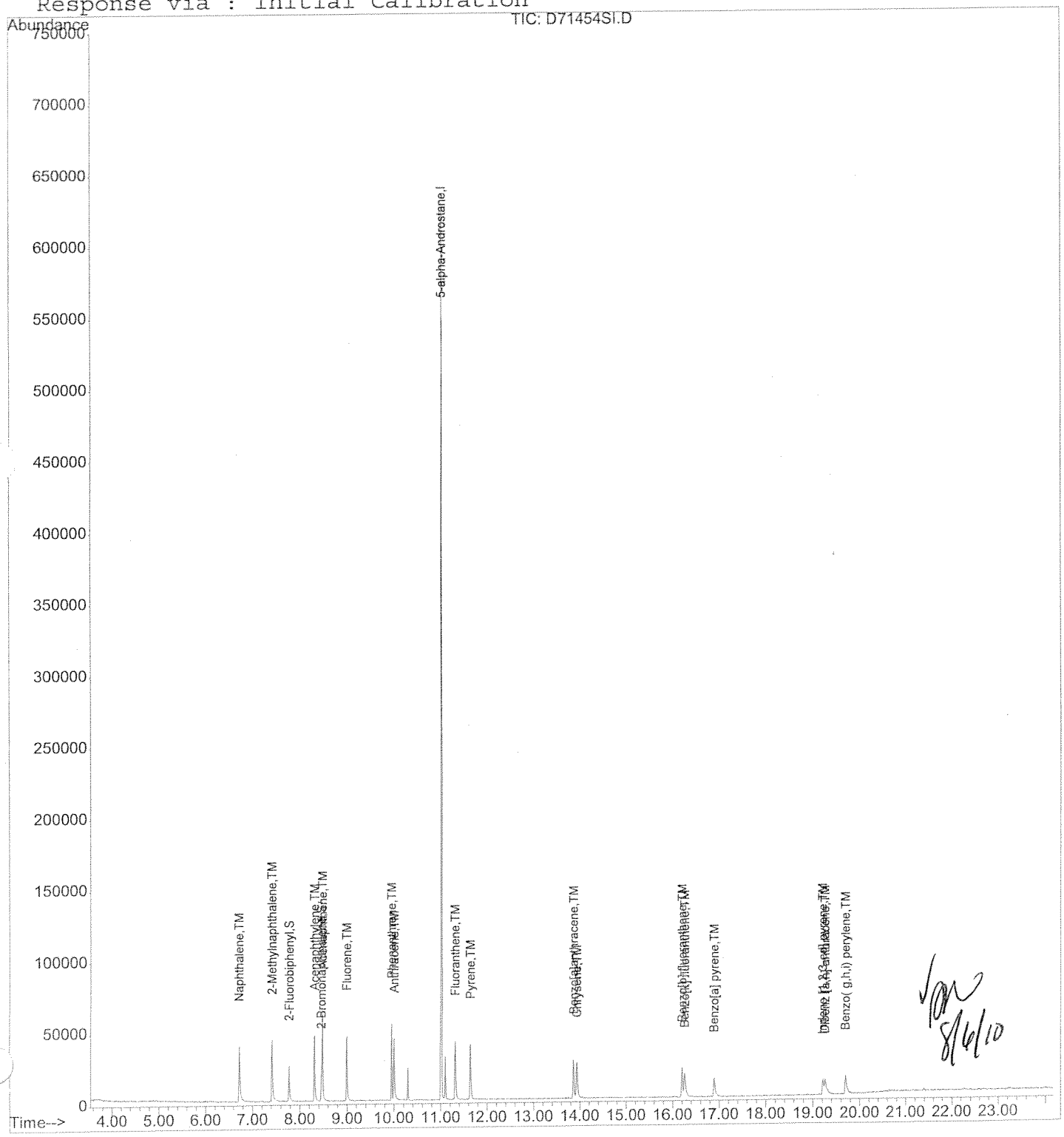
(#) = qualifier out of range (m) = manual integration
D71454SI.D ARM80410.M Thu Aug 05 11:11:55 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D
Acq On : 5 Aug 2010 5:51 am
Sample : S9706 ARO 2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:11 2010

Vial: 9
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration

NP080510



8/6/10

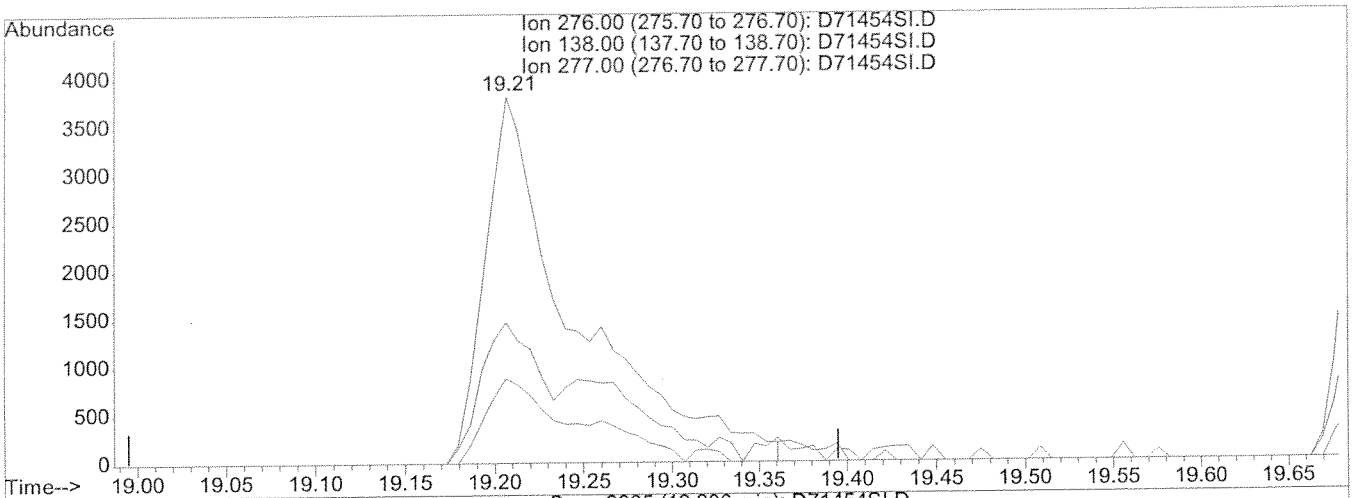
D71454SI.D ARM80410.M Thu Aug 05 11:11:55 2010 Page 2

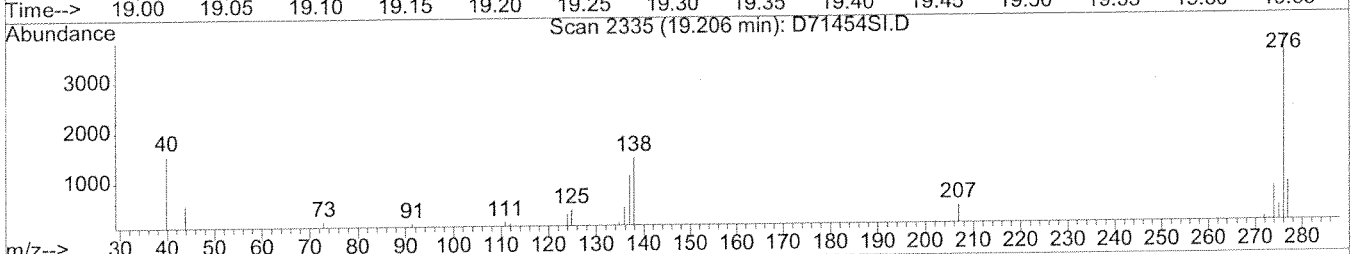
Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D
Acq On : 5 Aug 2010 5:51 am
Sample : S9706 ARO 2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:11 2010

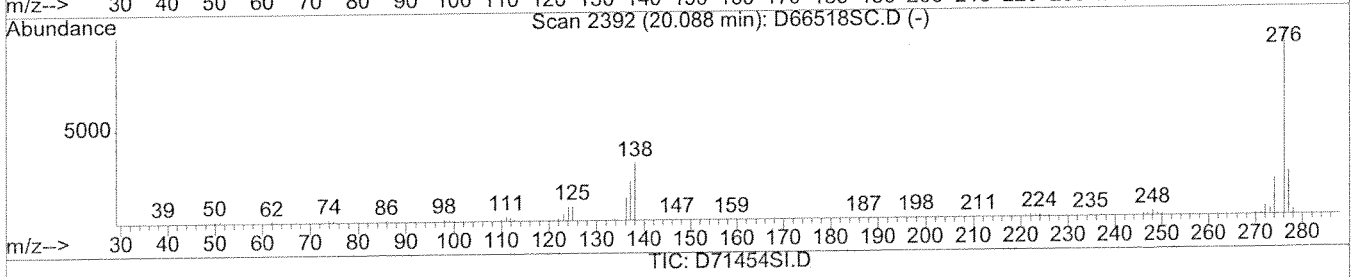
Vial: 9
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Multiple Level Calibration

Np 80510
Cal







TIC: D71454SI.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.21min 2.53ug/ml

response 13465

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	27.17#
277.00	23.80	23.30
0.00	0.00	0.00

Jm 8/6/10

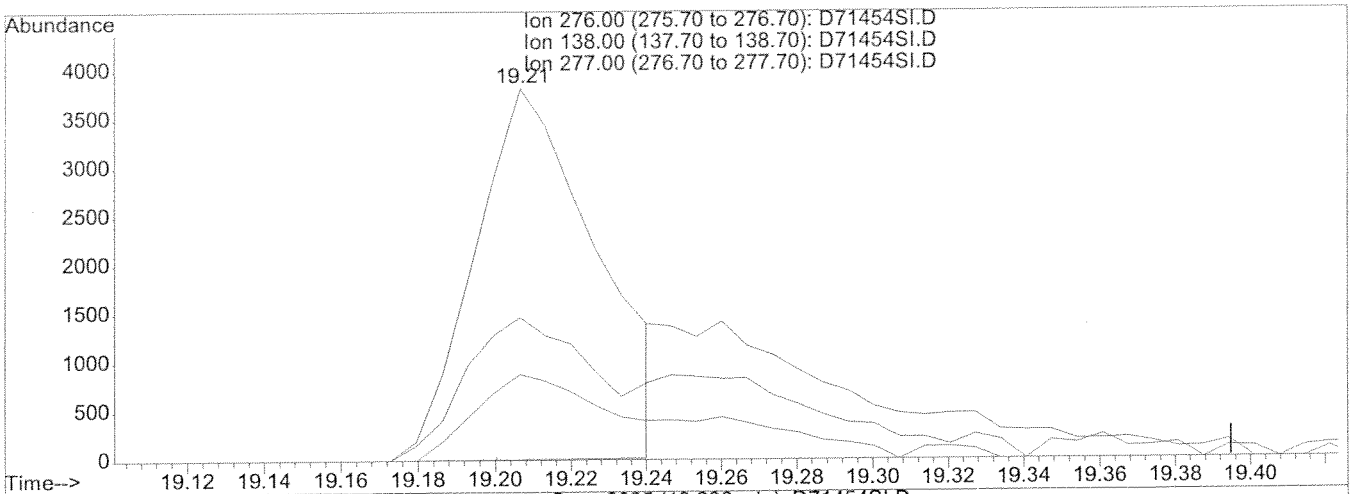
D71454SI.D ARM80410.M Thu Aug 05 11:11:14 2010

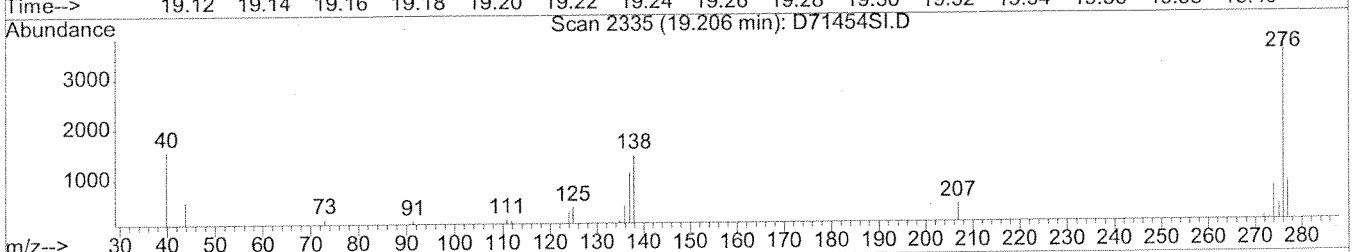
Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D
Acq On : 5 Aug 2010 5:51 am
Sample : S9706 ARO 2
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:11 2010

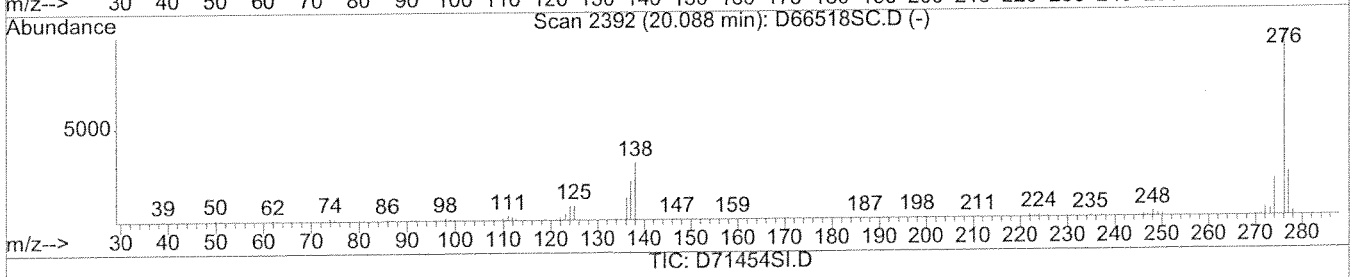
Vial: 9
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Multiple Level Calibration

WP080510







TIC: D71454SI.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.21min 1.74ug/ml m

response 8461

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	43.23#
277.00	23.80	37.08#
0.00	0.00	0.00

JA 8/6/10

D71454SI.D ARM80410.M Thu Aug 05 11:11:47 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D
Acq On : 5 Aug 2010 6:22 am
Sample : S9707 ARO 5
Misc :
Integration Params: RTEINT.P
Quant Time: Aug 6 0:53 2010

Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	38539	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.77	172	29309	2.88	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	=	14.40%#	
10) 2-Bromonaphthalene	8.45	206	12037	2.85	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	=	14.25%#	
11) o-terphenyl	10.29	230	11333	1.90	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	=	9.50%#	

Target Compounds						Qvalue
2) Naphthalene	6.72	128	77719	5.02	ug/ml	100
3) 2-Methylnaphthalene	7.41	141	40724	4.81	ug/ml	95
4) Acenaphthylene	8.31	152	69331	4.74	ug/ml	99
5) Acenaphthene	8.47	154	41099	5.04	ug/ml	97
6) Fluorene	8.99	166	45802	4.83	ug/ml	99
7) Phenanthrene	9.94	178	61180	4.78	ug/ml	99
8) Anthracene	10.00	178	64779	4.89	ug/ml	99
12) Fluoranthene	11.31	202	63748	4.79	ug/ml#	90
13) Pyrene	11.63	202	65455	4.79	ug/ml#	88
14) Benzo[a]anthracene	13.85	228	46518	4.43	ug/ml	99
15) Chrysene	13.93	228	51386	4.65	ug/ml	99
16) Benzo[b] fluoranthene	16.19	252	36802	5.41	ug/ml#	91
17) Benzo[k] fluoranthene	16.25	252	42806	4.62	ug/ml#	89
18) Benzo[a] pyrene	16.87	252	35885	4.34	ug/ml#	90
19) Indeno [1,2,3-cd] pyrene	19.20	276	24056m	4.29	ug/ml	
20) Dibenz [a,h] anthracene	19.25	278	29306	4.43	ug/ml#	83
21) Benzo(g,h,i) perylene	19.69	276	34727	4.90	ug/ml#	74

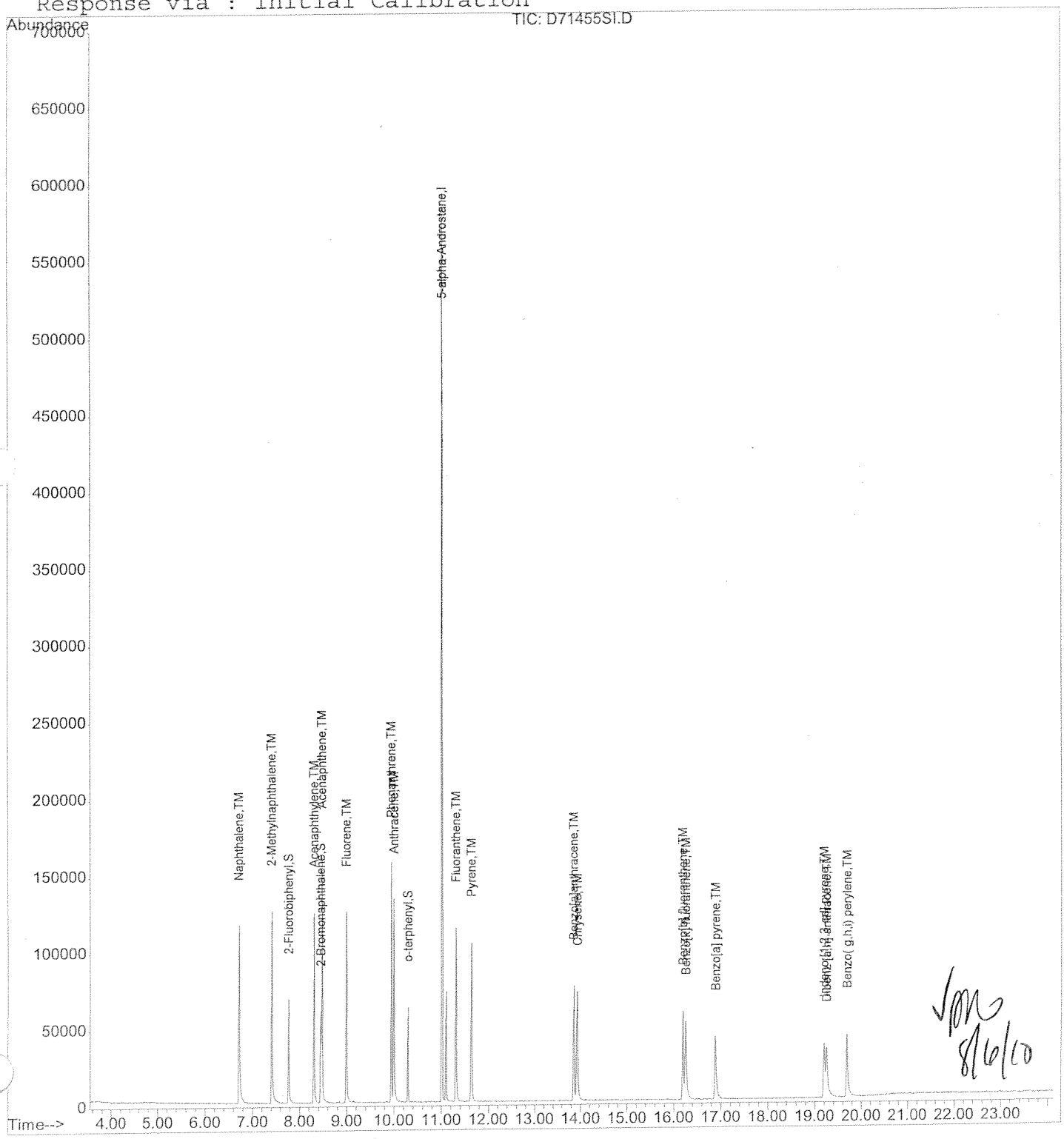
8/6/10

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D
Acq On : 5 Aug 2010 6:22 am
Sample : S9707 ARO 5
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 0:53 2010

Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Initial Calibration



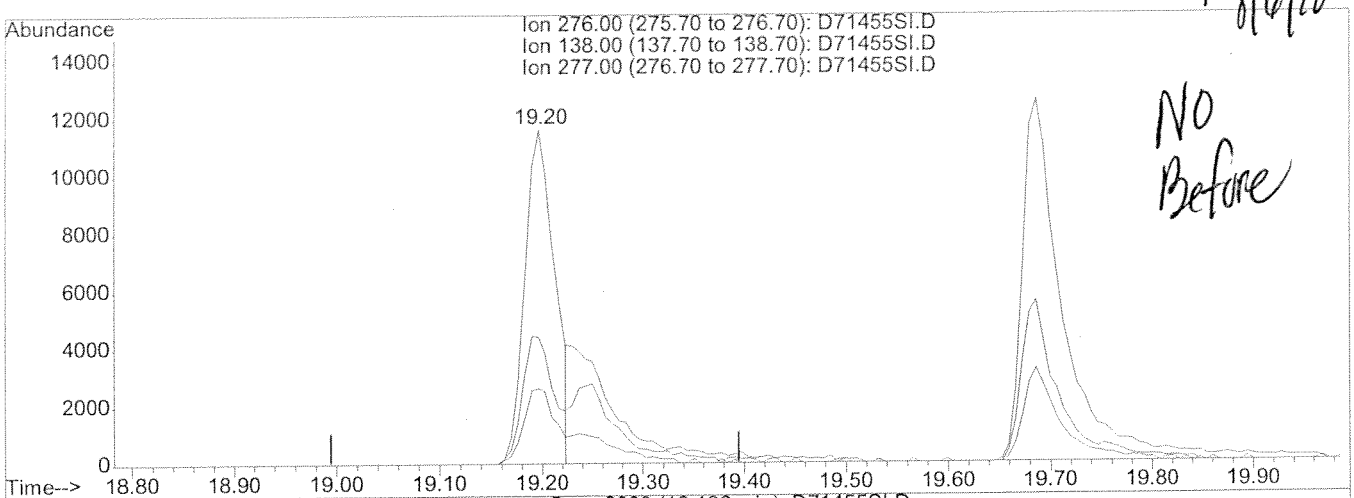
JAN 8/6/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D
Acq On : 5 Aug 2010 6:22 am
Sample : S9707 ARO 5
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 0:53 2010

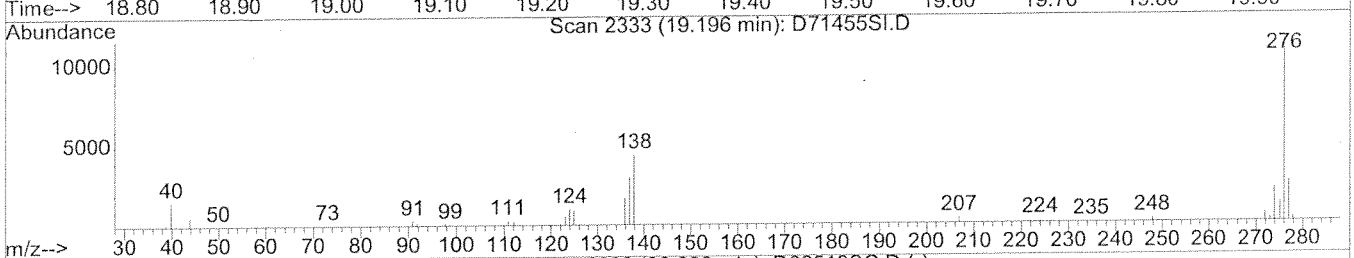
Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

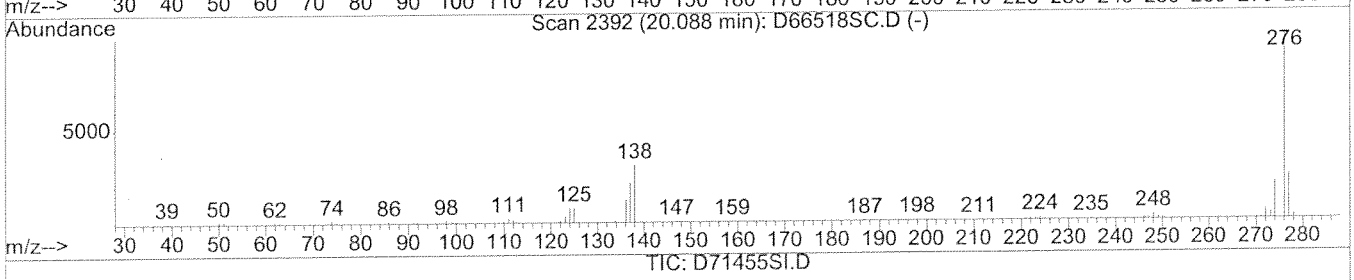
Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Multiple Level Calibration

PM 8/6/10



NO Before





TIC: D71455SI.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.20min 4.29ug/ml m

response 24056

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	40.69#
277.00	23.80	38.34#
0.00	0.00	0.00

08/10

D71455SI.D ARM80410.M Fri Aug 06 01:43:42 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D
Acq On : 5 Aug 2010 6:52 am
Sample : S9708 ARO 10
Misc :
Integration Params: RTEINT.P
Quant Time: Aug 5 11:15 2010

Vial: 11
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N080510

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	37361	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.76	172	57455	5.83 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 29.15%#	
10) 2-Bromonaphthalene	8.44	206	24071	5.88 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 29.40%#	
11) o-terphenyl	10.29	230	22618	3.91 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 19.55%#	

Target Compounds					Qvalue
2) Naphthalene	6.71	128	149841	9.99 ug/ml	100
3) 2-Methylnaphthalene	7.40	141	83872	10.23 ug/ml	100
4) Acenaphthylene	8.30	152	141367	9.97 ug/ml	99
5) Acenaphthene	8.48	154	78456	9.92 ug/ml	99
6) Fluorene	8.99	166	88293	9.61 ug/ml	99
7) Phenanthrene	9.94	178	124294	10.03 ug/ml	99
8) Anthracene	9.99	178	130189	10.15 ug/ml	100
12) Fluoranthene	11.31	202	123651	9.59 ug/ml#	90
13) Pyrene	11.63	202	129826	9.81 ug/ml#	88
14) Benzo[a]anthracene	13.85	228	94806	9.31 ug/ml	100
15) Chrysene	13.92	228	102812	9.60 ug/ml	99
16) Benzo[b] fluoranthene	16.19	252	75950	9.43 ug/ml#	92
17) Benzo[k] fluoranthene	16.25	252	88319	9.82 ug/ml#	91
18) Benzo[a] pyrene	16.88	252	77653	9.70 ug/ml#	91
19) Indeno [1,2,3-cd] pyrene	19.19	276	56292m	9.59 ug/ml	
20) Dibenz [a,h] anthracene	19.24	278	64914	10.12 ug/ml#	83
21) Benzo(g,h,i) perylene	19.68	276	70614	10.27 ug/ml#	74

8/6/10

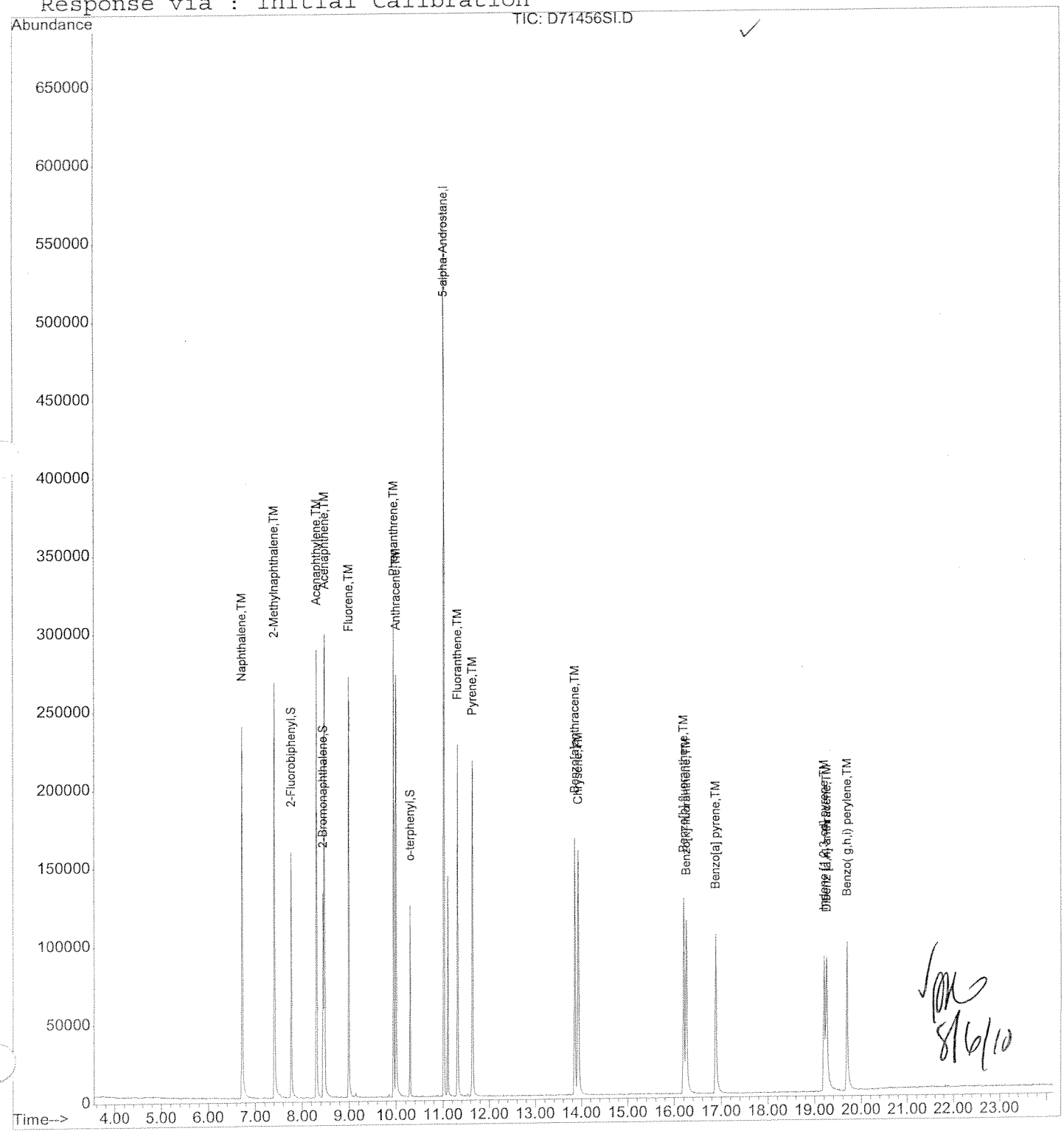
(#) = qualifier out of range (m) = manual integration
D71456SI.D ARM80410.M Thu Aug 05 11:15:38 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D
Acq On : 5 Aug 2010 6:52 am
Sample : S9708 ARO 10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:15 2010

Vial: 11
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration

Pro80510



8/6/10

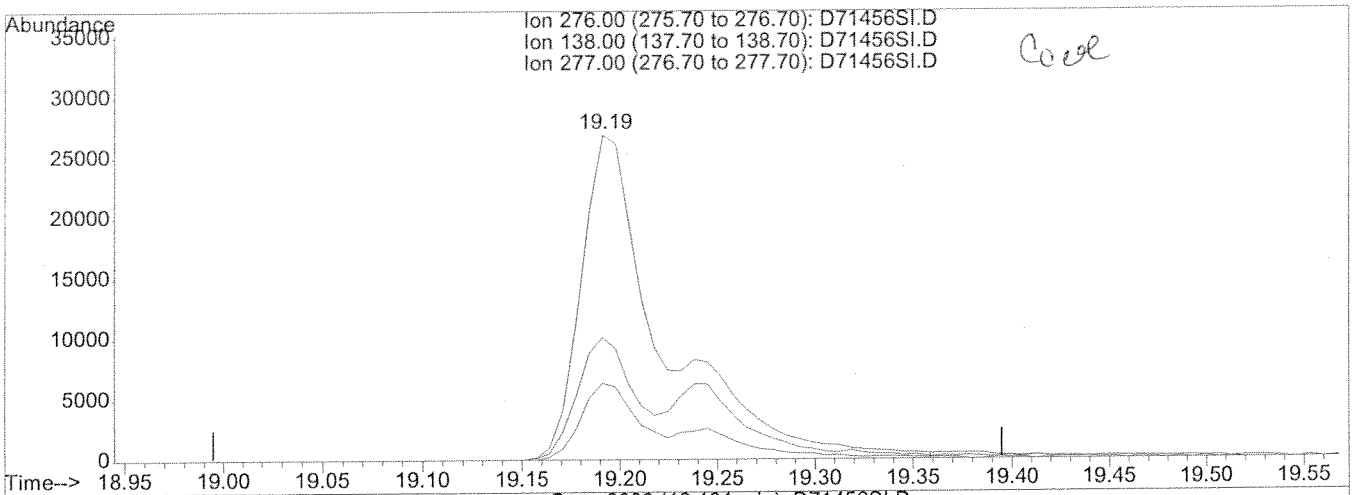
D71456SI.D ARM80410.M Thu Aug 05 11:15:38 2010 Page 2

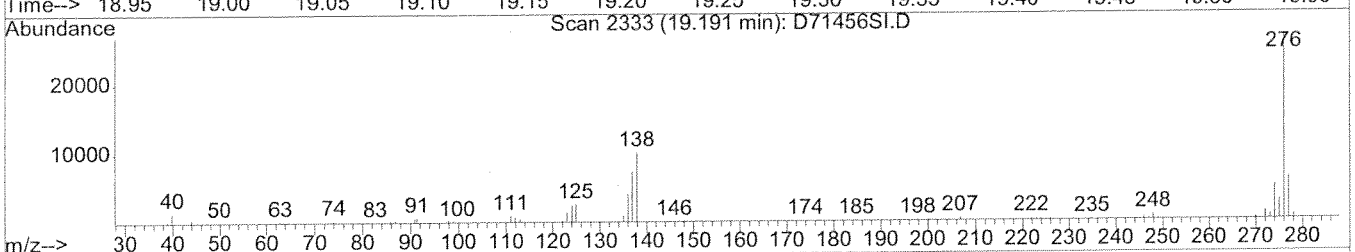
Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D
Acq On : 5 Aug 2010 6:52 am
Sample : S9708 ARO 10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:12 2010

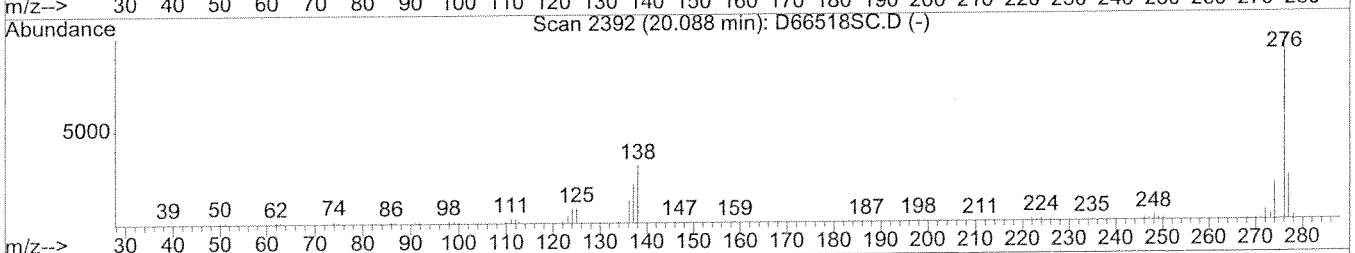
Vial: 11
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Multiple Level Calibration

DM 8/6/10







TIC: D71456SI.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.19min 13.20ug/ml

response 79644

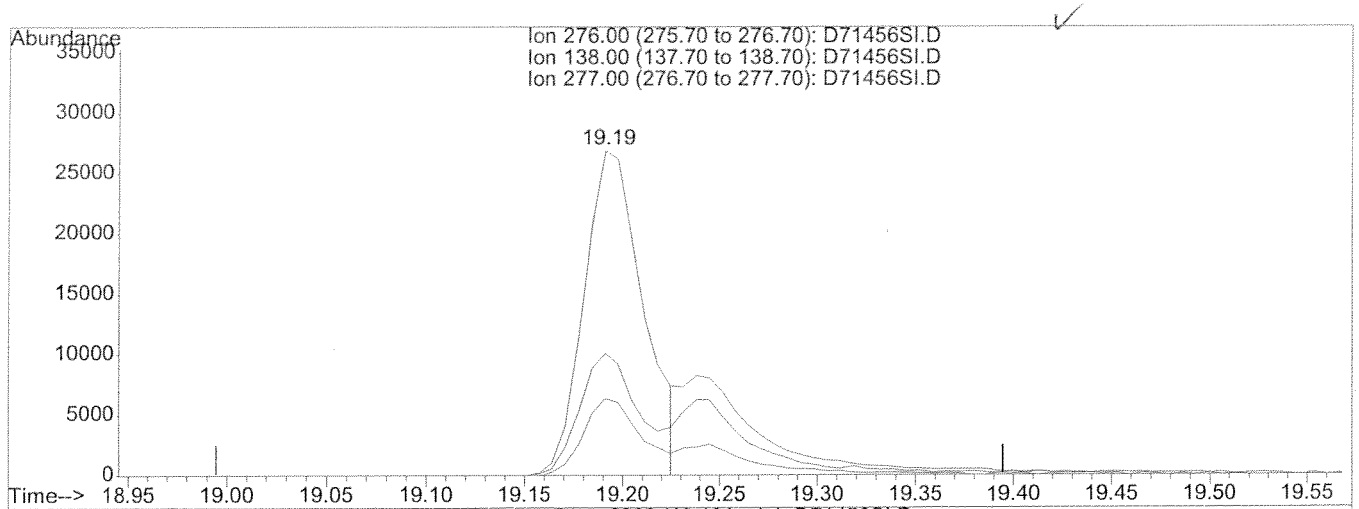
Ion	Exp%	Act%
276.00	100	100
138.00	10.70	25.68#
277.00	23.80	16.44#
0.00	0.00	0.00

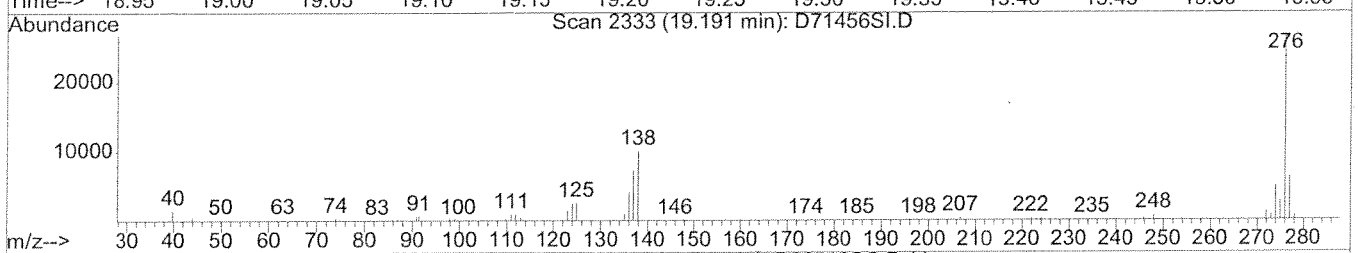
DM 8/6/10

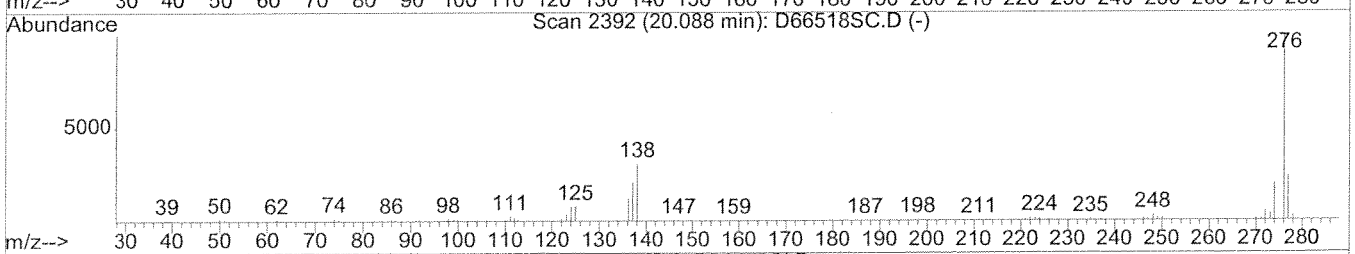
D71456SI.D ARM80410.M Thu Aug 05 11:15:26 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D Vial: 11
Acq On : 5 Aug 2010 6:52 am Operator: AR/NP
Sample : S9708 ARO 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:15 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010 N1080510
Response via : Multiple Level Calibration







TIC: D71456SI.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.19min 9.59ug/ml m

response 56292

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	36.33#
277.00	23.80	23.25
0.00	0.00	0.00

8/6/10

D71456SI.D ARM80410.M Thu Aug 05 11:15:33 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D Vial: 12
Acq On : 5 Aug 2010 7:22 am Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
Integration Params: RTEINT.P
Quant Time: Aug 5 11:12 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010 M080510
Response via : Initial Calibration
DataAcq Meth : EPHJ

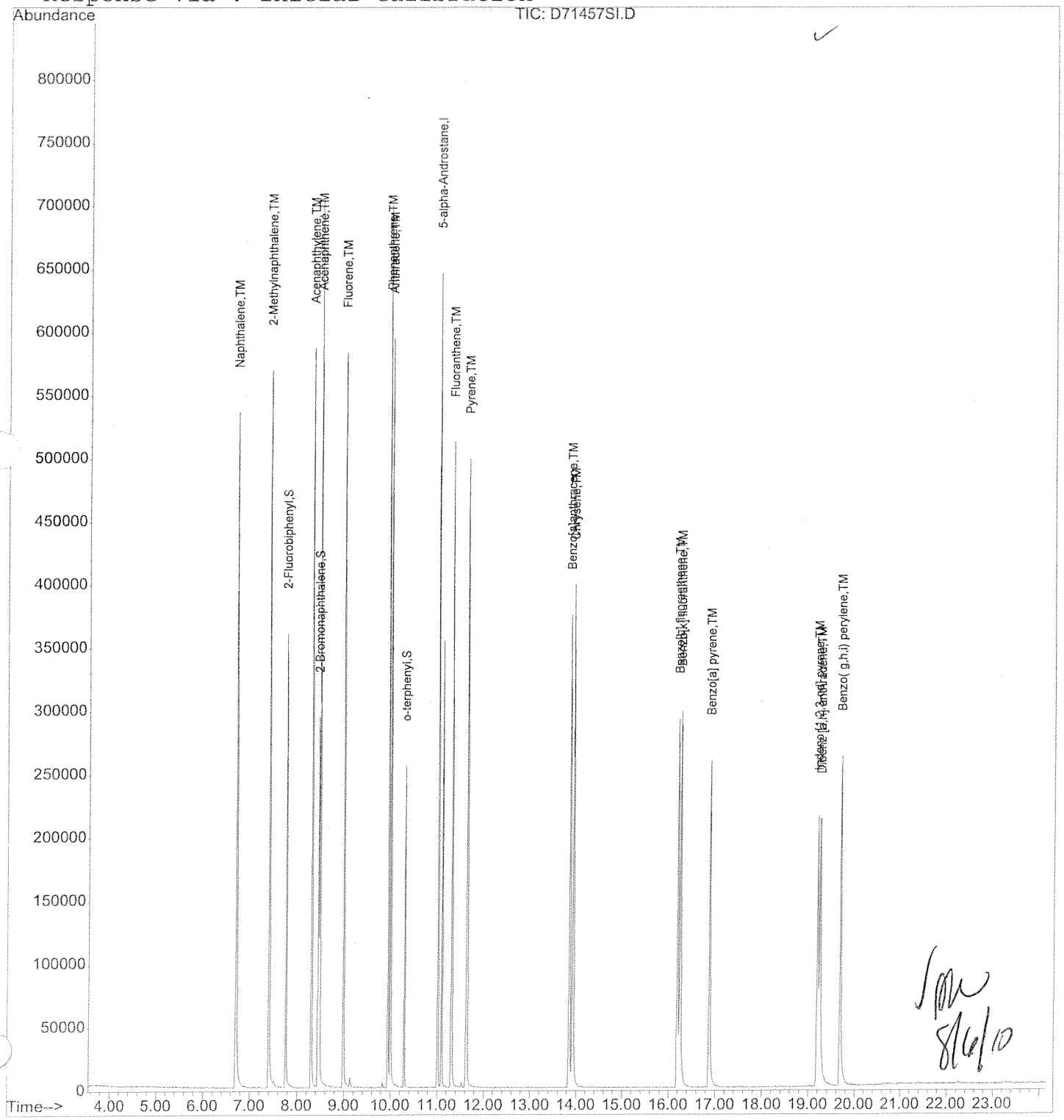
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	39978	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.76	172	128231	12.15 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 60.75%		
10) 2-Bromonaphthalene	8.44	206	53235	12.16 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 60.80%		
11) o-terphenyl	10.29	230	49103	7.93 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 39.65%#		
Target Compounds					Qvalue
2) Naphthalene	6.71	128	322407	20.08 ug/ml	100
3) 2-Methylnaphthalene	7.41	141	174567	19.89 ug/ml	98
4) Acenaphthylene	8.30	152	308847	20.35 ug/ml	100
5) Acenaphthene	8.47	154	170018	20.08 ug/ml	100
6) Fluorene	8.99	166	200664	20.40 ug/ml	99
7) Phenanthrene	9.94	178	264344	19.93 ug/ml	99
8) Anthracene	10.00	178	278317	20.27 ug/ml	98
12) Fluoranthene	11.30	202	273575	19.83 ug/ml#	90
13) Pyrene	11.63	202	287052	20.26 ug/ml#	89
14) Benzo[a]anthracene	13.85	228	225029	20.66 ug/ml	99
15) Chrysene	13.93	228	234687	20.49 ug/ml	100
16) Benzo[b] fluoranthene	16.20	252	181878	18.83 ug/ml#	92
17) Benzo[k] fluoranthene	16.25	252	199969	20.79 ug/ml#	92
18) Benzo[a] pyrene	16.88	252	179937	21.00 ug/ml#	91
19) Indeno [1,2,3-cd] pyrene	19.20	276	140562	20.86 ug/ml#	74
20) Dibenz [a,h] anthracene	19.25	278	148899	21.70 ug/ml#	84
21) Benzo(g,h,i) perylene	19.69	276	165343	22.47 ug/ml#	75

8/6/10

(#) = qualifier out of range (m) = manual integration
D71457SI.D ARM80410.M Thu Aug 05 11:12:29 2010 Page 1

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D Vial: 12
Acq On : 5 Aug 2010 7:22 am Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:12 2010 Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010 Nro80510
Response via : Initial Calibration



8/6/10

D71457SI.D ARM80410.M Thu Aug 05 11:12:30 2010 Page 2

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71458SI.D
Acq On : 5 Aug 2010 7:53 am
Sample : S9710 ARO 50
Misc :
Integration Params: RTEINT.P
Quant Time: Aug 5 11:12 2010

Vial: 13
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Quant Results File: ARM80410.RE

N/080510

Internal Standards

	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	35122	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	7.76	172	292664	31.57 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 157.85%#		
10) 2-Bromonaphthalene	8.44	206	121914	31.69 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 158.45%#		
11) o-terphenyl	10.30	230	111606	20.51 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 102.55%		
Target Compounds					Qvalue
2) Naphthalene	6.71	128	738548	52.36 ug/ml	100
3) 2-Methylnaphthalene	7.41	141	401048	52.02 ug/ml	98
4) Acenaphthylene	8.30	152	688979	51.66 ug/ml	99
5) Acenaphthene	8.47	154	381189	51.25 ug/ml	98
6) Fluorene	8.99	166	447248	51.76 ug/ml	100
7) Phenanthrene	9.94	178	629012	53.98 ug/ml	99
8) Anthracene	10.00	178	644653	53.45 ug/ml	99
12) Fluoranthene	11.31	202	642044	52.96 ug/ml#	92
13) Pyrene	11.64	202	654630	52.60 ug/ml#	91
14) Benzo[a]anthracene	13.86	228	547594	57.23 ug/ml	99
15) Chrysene	13.94	228	538298	53.49 ug/ml	100
16) Benzo[b] fluoranthene	16.21	252	451386	49.82 ug/ml#	92
17) Benzo[k] fluoranthene	16.27	252	454773	53.81 ug/ml#	92
18) Benzo[a] pyrene	16.89	252	420154	55.82 ug/ml#	92
19) Indeno [1,2,3-cd] pyrene	19.21	276	333059	49.73 ug/ml#	75
20) Dibenz [a,h] anthracene	19.26	278	337426	55.97 ug/ml#	85
21) Benzo(g,h,i) perylene	19.70	276	338108	52.30 ug/ml#	76

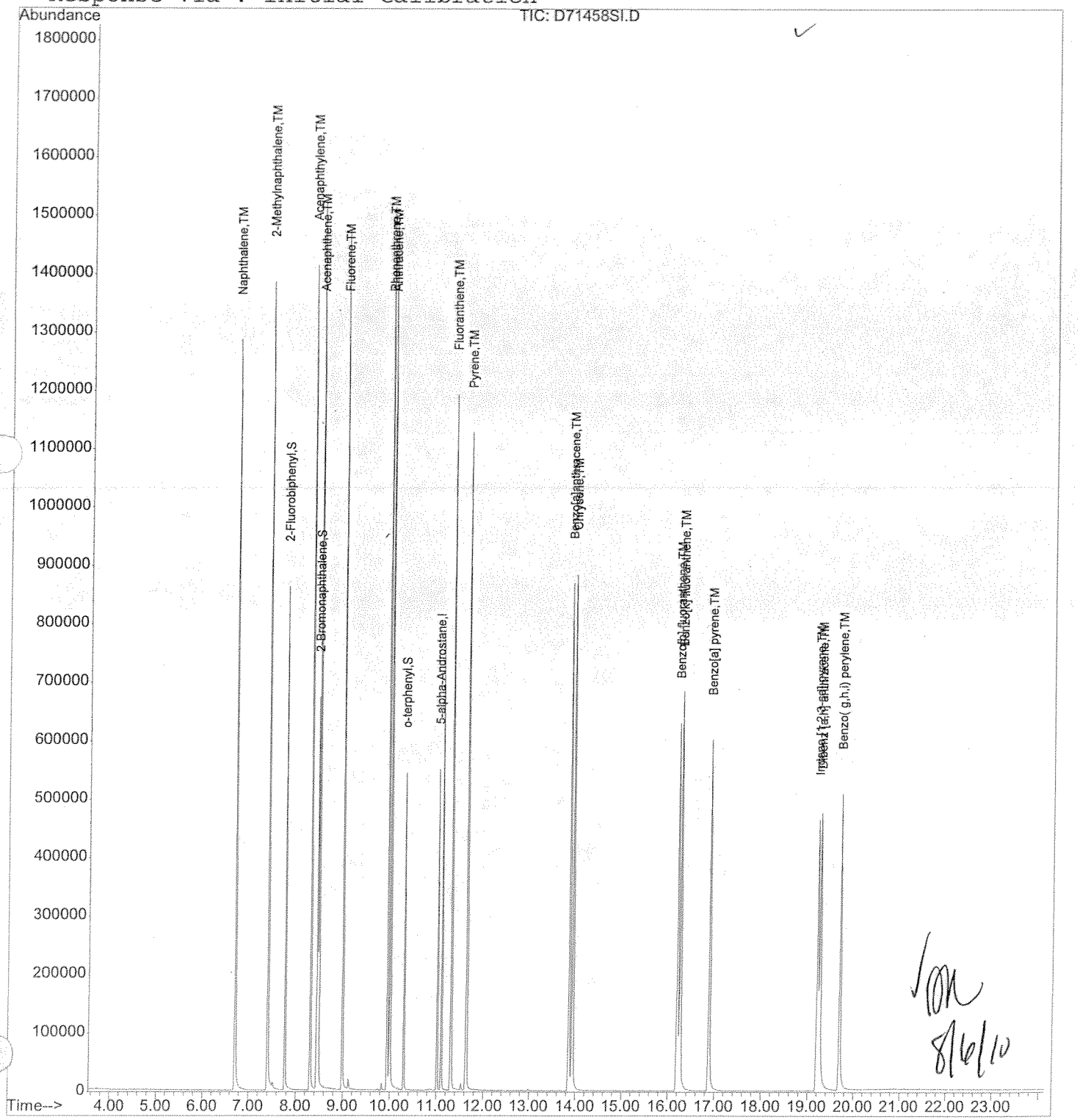
8/6/10

(#) = qualifier out of range (m) = manual integration
D71458SI.D ARM80410.M Thu Aug 05 11:12:34 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71458SI.D Vial: 13
Acq On : 5 Aug 2010 7:53 am Operator: AR/NP
Sample : S9710 ARO 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:12 2010 Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration

NP080510



8/6/10

D71458SI.D ARM80410.M Thu Aug 05 11:12:35 2010 Page 2

Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D Vial: 14
Acq On : 5 Aug 2010 8:23 am Operator: AR/NP
Sample : S9711 ARO 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
3 Integration Params: RTEINT.P
Quant Time: Aug 6 1:45 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

8/6/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	33554	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.76	172	572169	64.61	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 323.05%#			
10) 2-Bromonaphthalene	8.44	206	245417	66.78	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 333.90%#			
11) o-terphenyl	10.29	230	231550	44.55	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 222.75%#			

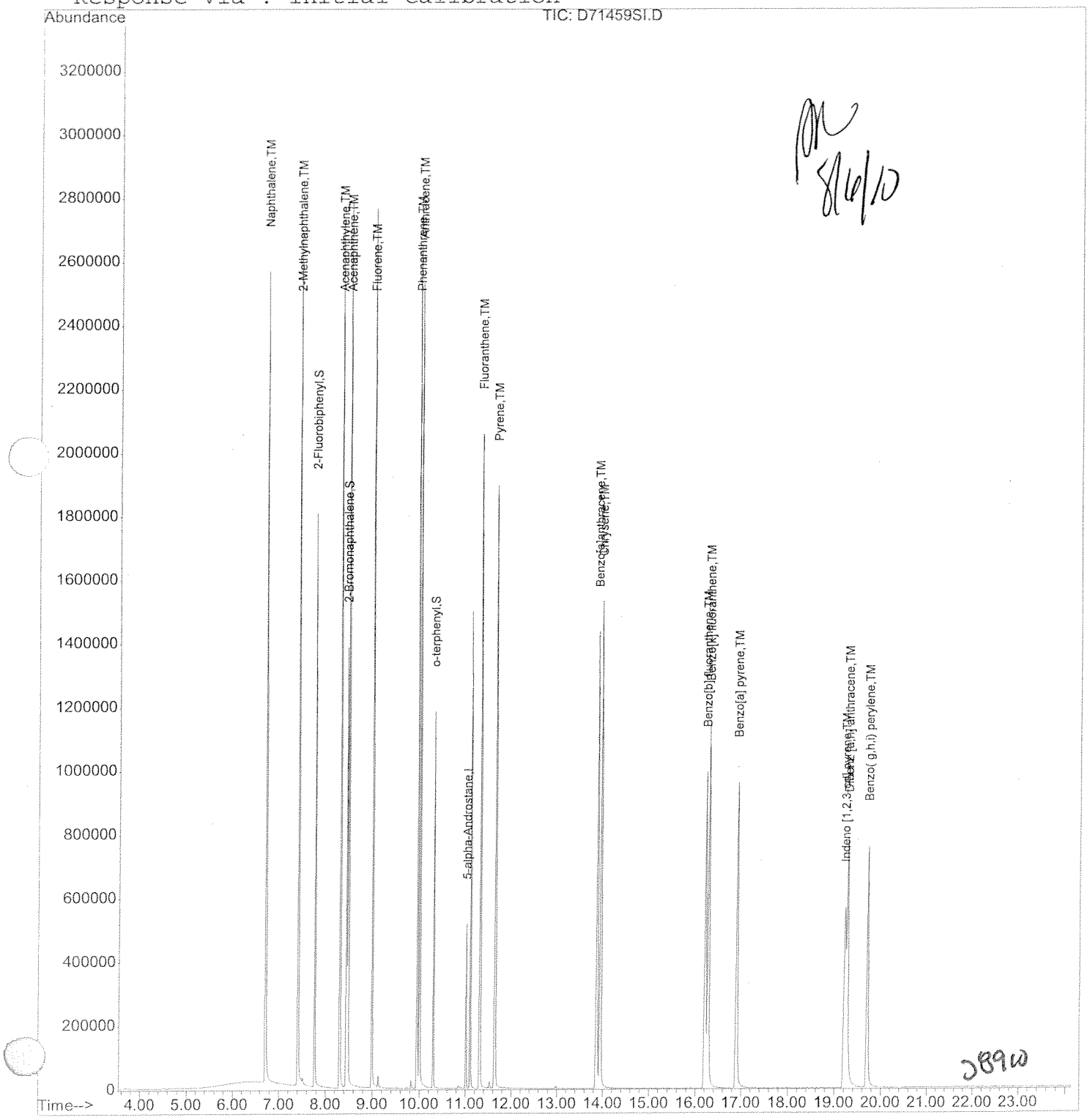
Target Compounds						Qvalue
2) Naphthalene	6.71	128	1395735	103.59	ug/ml	100
3) 2-Methylnaphthalene	7.41	141	748466	101.63	ug/ml	96
4) Acenaphthylene	8.31	152	1351225	106.06	ug/ml	99
5) Acenaphthene	8.48	154	734944	103.43	ug/ml	99
6) Fluorene	8.99	166	869543	105.33	ug/ml	100
7) Phenanthrene	9.95	178	1215885	109.21	ug/ml	100
8) Anthracene	10.00	178	1204828	104.55	ug/ml	99
12) Fluoranthene	11.32	202	1258695	108.68	ug/ml#	93
13) Pyrene	11.65	202	1263795	106.29	ug/ml#	92
14) Benzo[a]anthracene	13.88	228	1077645	117.89	ug/ml	99
15) Chrysene	13.96	228	1044462	108.63	ug/ml	99
16) Benzo[b] fluoranthene ✓	16.23	252	885234	100.34	ug/ml#	94
17) Benzo[k] fluoranthene	16.29	252	920948m	114.05	ug/ml	
18) Benzo[a] pyrene	16.92	252	863829	120.13	ug/ml#	93
19) Indeno [1,2,3-cd] pyrene	19.23	276	622812m	85.69	ug/ml	
20) Dibenz [a,h] anthracene	19.29	278	667114	115.83	ug/ml#	87
21) Benzo(g,h,i) perylene	19.72	276	580281	93.96	ug/ml#	79

38960

(#) = qualifier out of range (m) = manual integration
D71459SI.D ARM80410.M Fri Aug 06 01:46:23 2010 Page 1

Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D Vial: 14
Acq On : 5 Aug 2010 8:23 am Operator: AR/NP
Sample : S9711 ARO 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:45 2010 Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Initial Calibration



PM 8/6/10

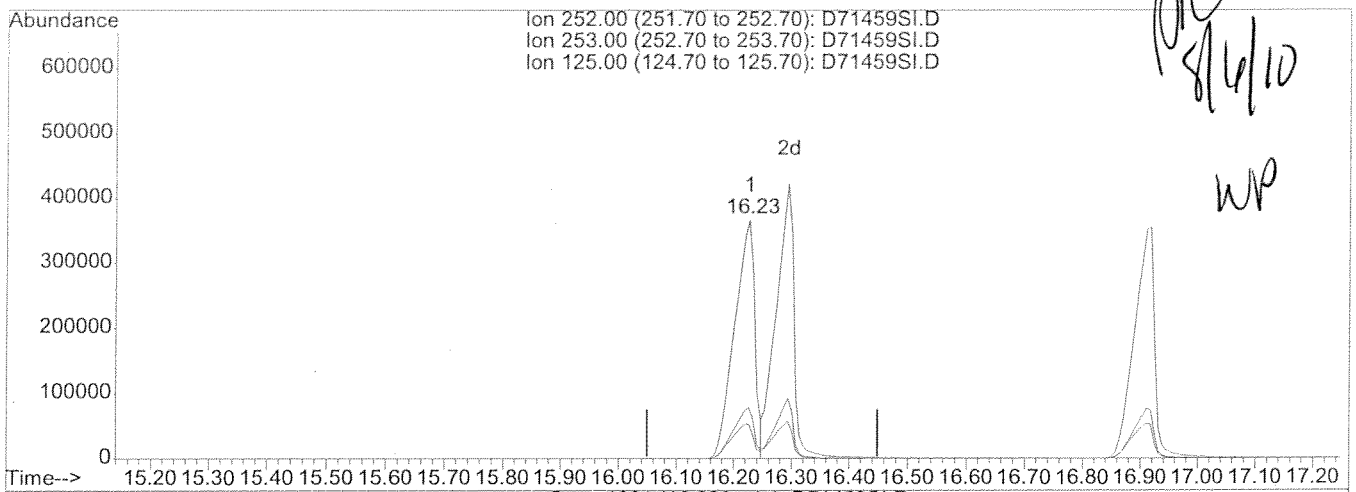
D890

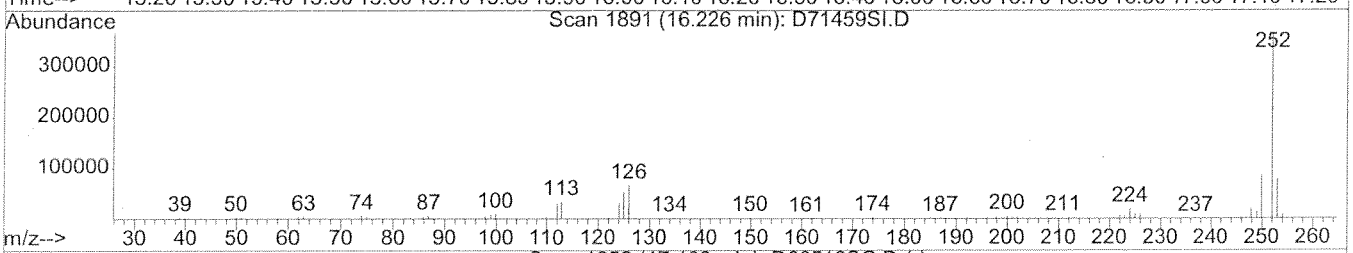
D71459SI.D ARM80410.M Fri Aug 06 01:46:23 2010 Page 2

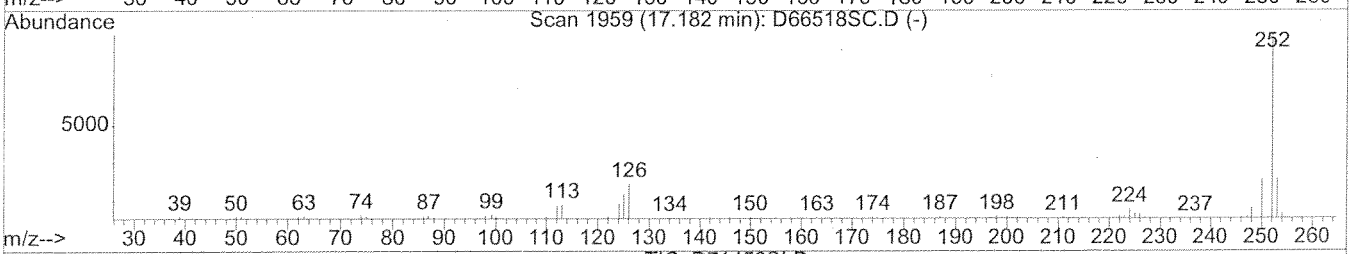
Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D Vial: 14
Acq On : 5 Aug 2010 8:23 am Operator: AR/NP
Sample : S9711 ARO 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 0:54 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Multiple Level Calibration

8/6/10
WP







TIC: D71459SI.D

(17) Benzo[k] fluoranthene (TM)

16.23min 109.63ug/ml

response 885234

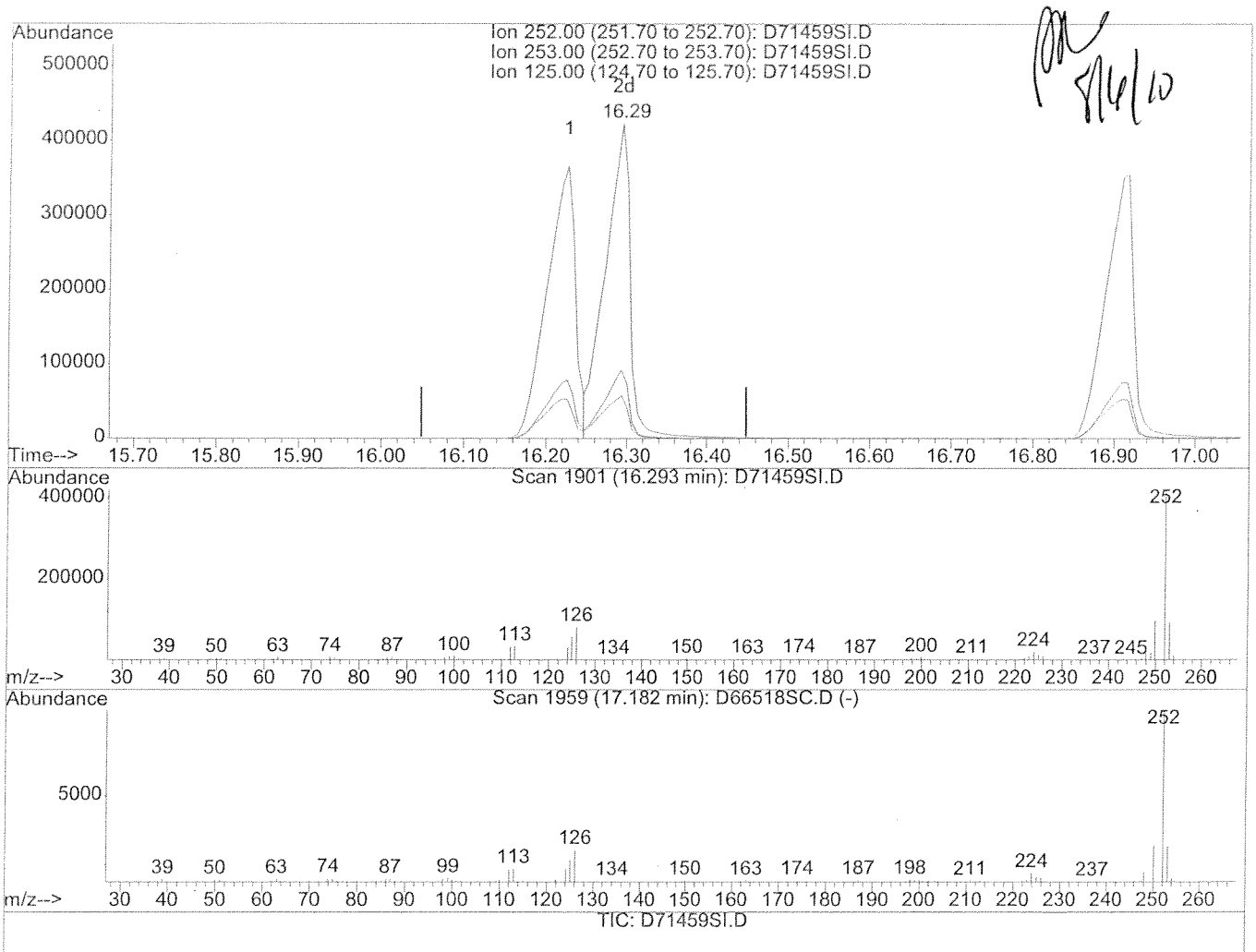
Ion	Exp%	Act%
252.00	100	100
253.00	21.80	21.80
125.00	5.30	15.80#
0.00	0.00	0.00

D89W

D71459SI.D ARM80410.M Fri Aug 06 01:45:18 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D Vial: 14
Acq On : 5 Aug 2010 8:23 am Operator: AR/NP
Sample : S9711 ARO 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:45 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Multiple Level Calibration



8/6/10

(17) Benzo[k] fluoranthene (TM)

16.29min 114.05ug/ml m

response 920948

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	20.96
125.00	5.30	15.19#
0.00	0.00	0.00

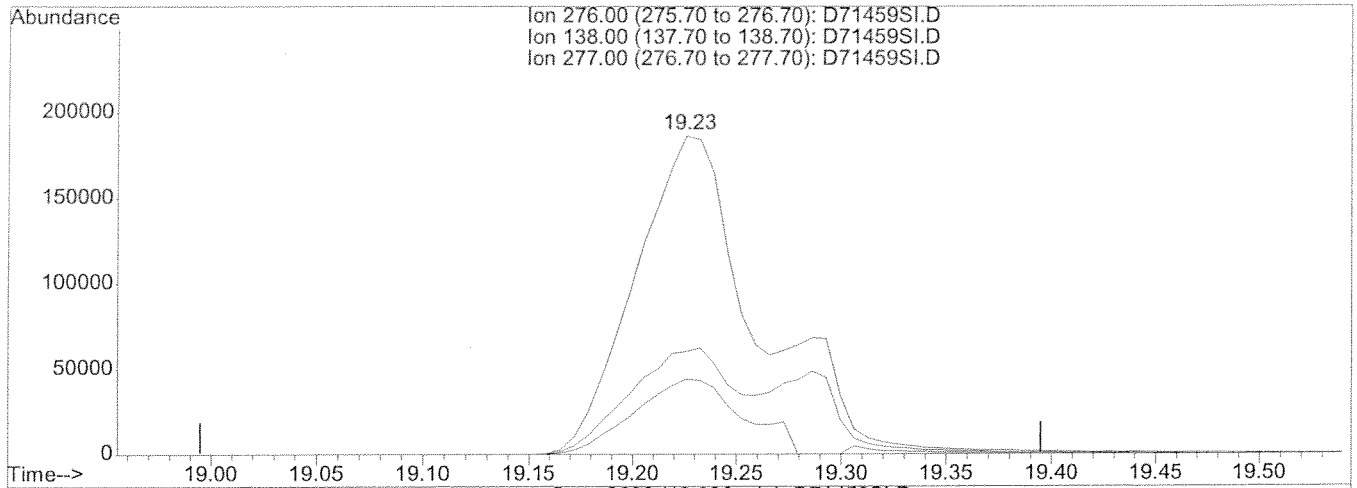
D8900

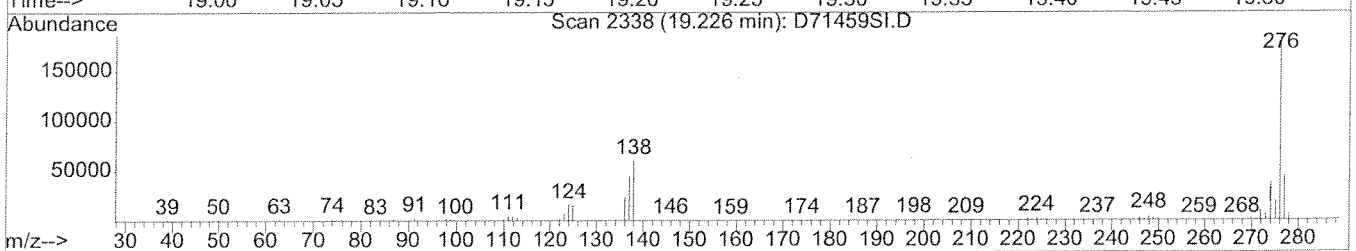
D71459SI.D ARM80410.M Fri Aug 06 01:45:59 2010

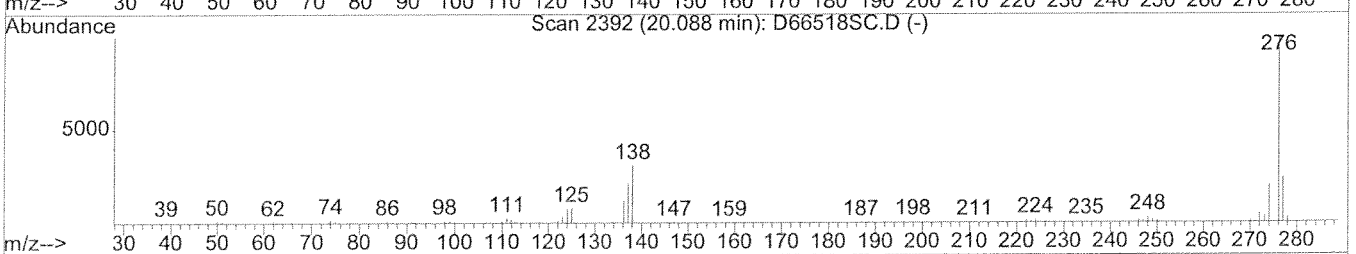
Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D Vial: 14
Acq On : 5 Aug 2010 8:23 am Operator: AR/NP
Sample : S9711 ARO 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 11:16 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Thu Aug 05 11:10:43 2010
Response via : Multiple Level Calibration

NRO 80510
Coal







TIC: D71459SI.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.23min 100.35ug/ml

response 764613

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	28.57#
277.00	23.80	20.77
0.00	0.00	0.00

8/6/10

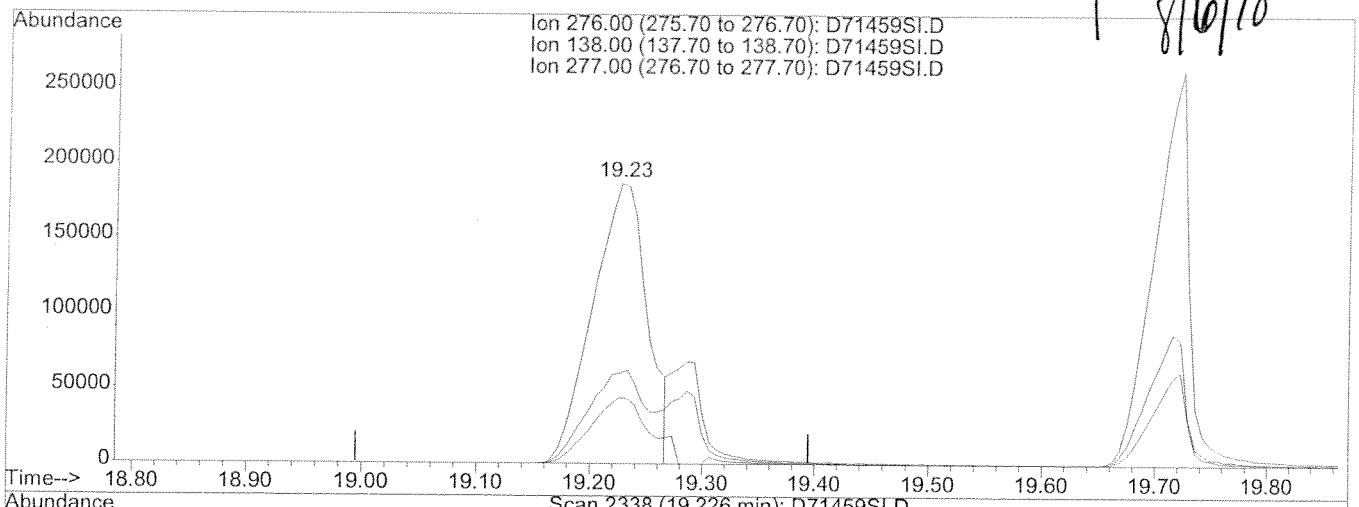
D71459SI.D ARM80410.M Thu Aug 05 11:16:52 2010

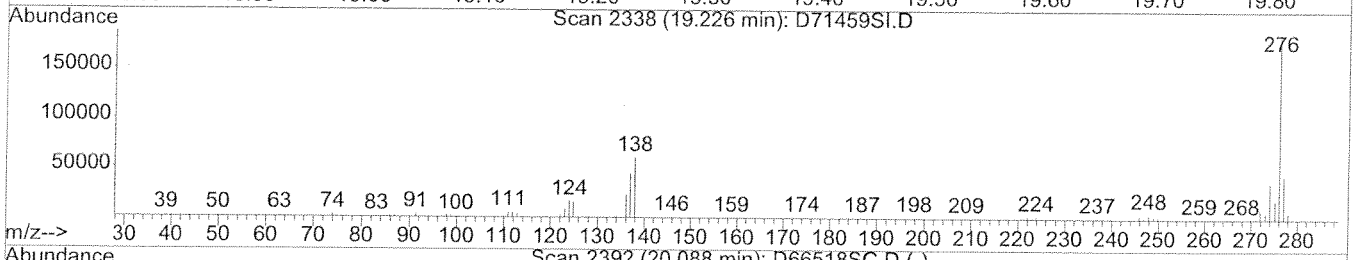
Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D
Acq On : 5 Aug 2010 8:23 am
Sample : S9711 ARO 100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:45 2010

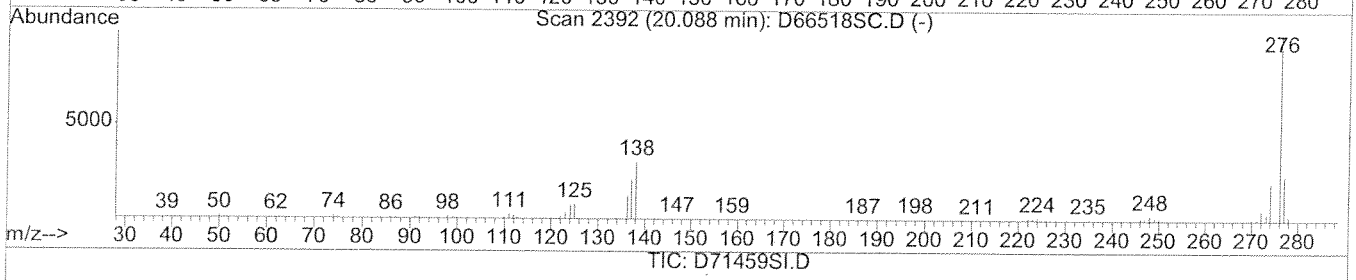
Vial: 14
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 00:57:48 2010
Response via : Multiple Level Calibration

8/6/10







(19) Indeno [1,2,3-cd] pyrene (TM)

19.23min 85.69ug/ml m

response 622812

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	35.07#
277.00	23.80	25.50
0.00	0.00	0.00

D890

D71459SI.D ARM80410.M Fri Aug 06 01:47:16 2010

MS AROMATIC
ICV

Data File Name D71460.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/5/2010 8:53

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	22.55	20	113%	OK
2-Methylnaphthalene	22.33	20	112%	OK
Acenaphthylene	22.20	20	111%	OK
Acenaphthene	22.24	20	111%	OK
Fluorene	22.47	20	112%	OK
Phenanthrene	21.99	20	110%	OK
Anthracene	22.53	20	113%	OK
o-terphenyl	23.18	20	116%	OK
Fluoranthene	21.67	20	108%	OK
Pyrene	22.24	20	111%	OK
Benzo[a]anthracene	22.19	20	111%	OK
Chrysene	22.58	20	113%	OK
Benzo[b] fluoranthene	20.30	20	102%	OK
Benzo[k] fluoranthene	22.10	20	110%	OK
Benzo[a] pyrene	22.55	20	113%	OK
Indeno [1,2,3-cd] pyrene	20.32	20	102%	OK
Dibenz [a,h] anthracene	22.10	20	111%	OK
Benzo(g,h,i) perylene	22.94	20	115%	OK

8/6/10

08910

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
3 Integration Params: RTEINT.P
Quant Time: Aug 6 1:50 2010

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

8/6/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	11.02	95	30229	20.00 ug/ml	0.00

System Monitoring Compounds

9) 2-Fluorobiphenyl	0.00	172	0	0.00 ug/ml	
Spiked Amount 20.000	Range 40 - 140		Recovery = 0.00%#		
10) 2-Bromonaphthalene	0.00	206	0	0.00 ug/ml	
Spiked Amount 20.000	Range 40 - 140		Recovery = 0.00%#		
11) o-terphenyl	10.29	230	108521	23.18 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 115.90%		

Target Compounds

					Qvalue
2) Naphthalene	6.71	128	275055	22.55 ug/ml	100
3) 2-Methylnaphthalene	7.41	141	148382	22.33 ug/ml	98
4) Acenaphthylene	8.30	152	254844	22.20 ug/ml	99
5) Acenaphthene	8.47	154	142432	22.24 ug/ml	99
6) Fluorene	8.99	166	167212	22.47 ug/ml	99
7) Phenanthrene	9.94	178	220537	21.99 ug/ml	100
8) Anthracene	10.00	178	235154	22.53 ug/ml	99
12) Fluoranthene	11.30	202	226258	21.67 ug/ml#	91
13) Pyrene	11.63	202	238512	22.24 ug/ml#	90
14) Benzo[a]anthracene	13.85	228	182759	22.19 ug/ml	99
15) Chrysene	13.93	228	196332	22.58 ug/ml	99
16) Benzo[b] fluoranthene	16.20	252	146621	20.30 ug/ml#	92
17) Benzo[k] fluoranthene	16.25	252	163381	22.10 ug/ml#	92
18) Benzo[a] pyrene	16.88	252	153981	22.55 ug/ml#	91
19) Indeno [1,2,3-cd] pyrene	19.20	276	110941m	20.32 ug/ml	
20) Dibenz [a,h] anthracene	19.25	278	124041	22.10 ug/ml#	86
21) Benzo(g,h,i) perylene	19.69	276	139676	22.94 ug/ml#	75

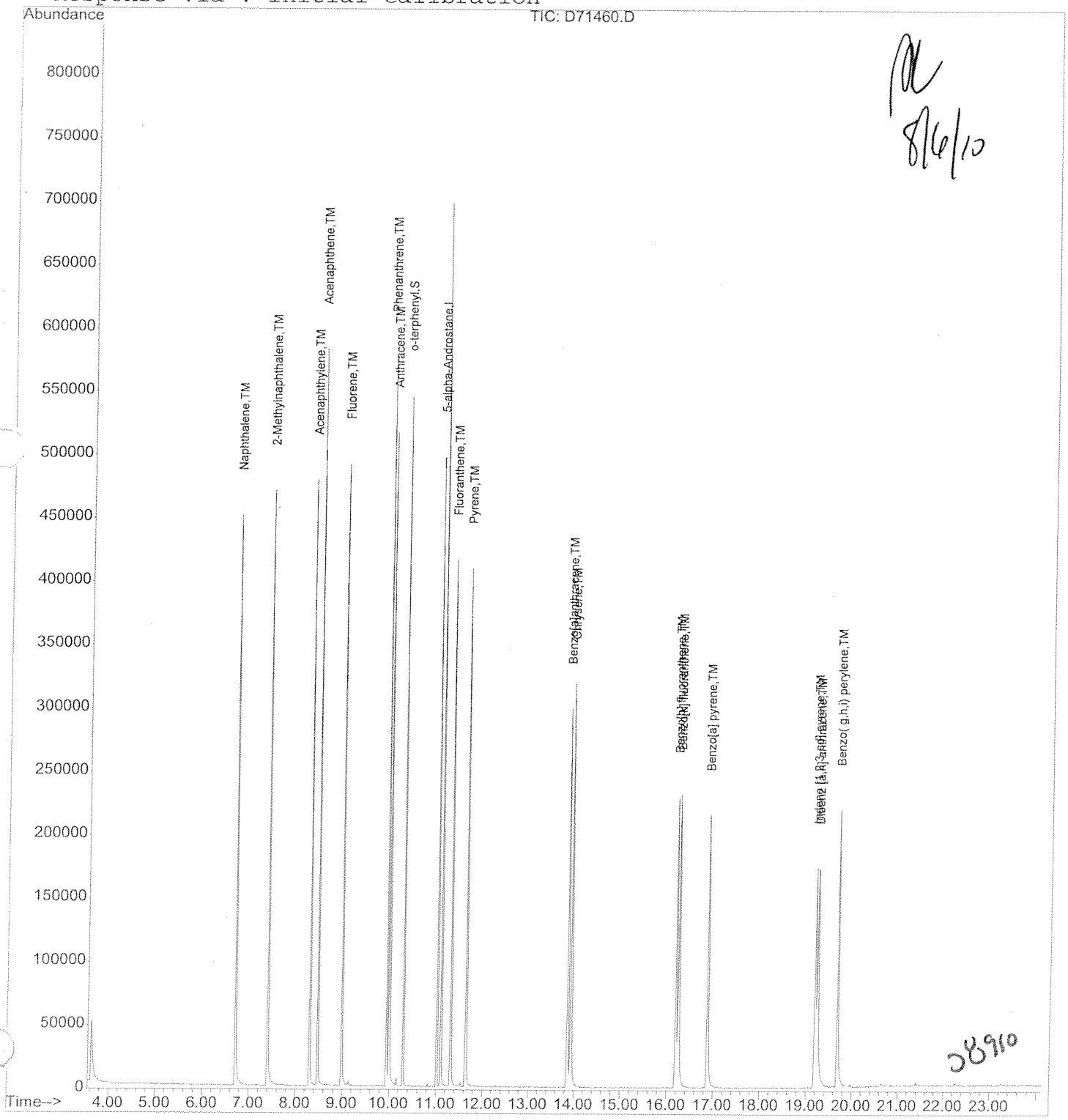
5/8/10

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:50 2010

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Initial Calibration



8/6/10

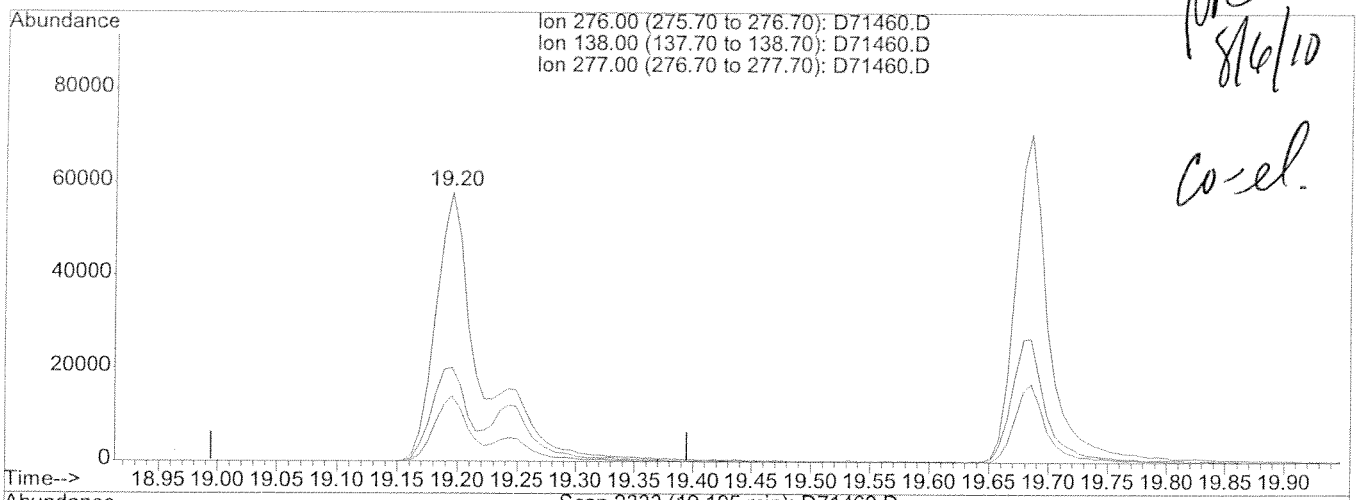
D71460.D ARM80410.M Fri Aug 06 01:50:42 2010 Page 2

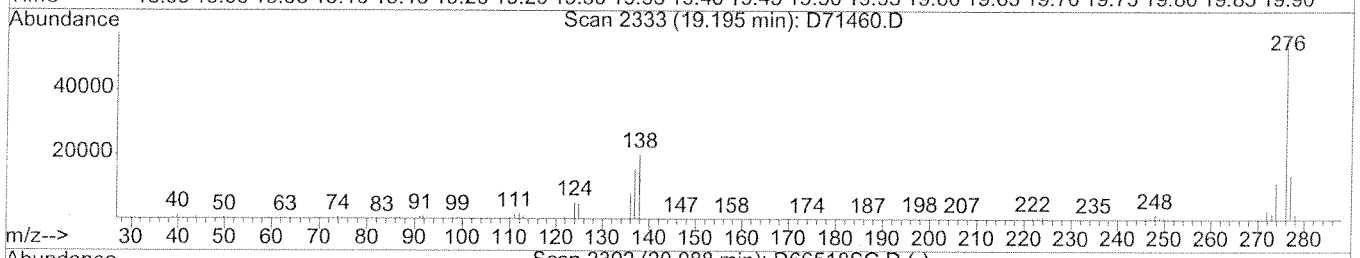
Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D Vial: 15
Acq On : 5 Aug 2010 8:53 am Operator: AR/NP
Sample : S9716 ARO 20 ICV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:49 2010 Quant Results File: temp.res

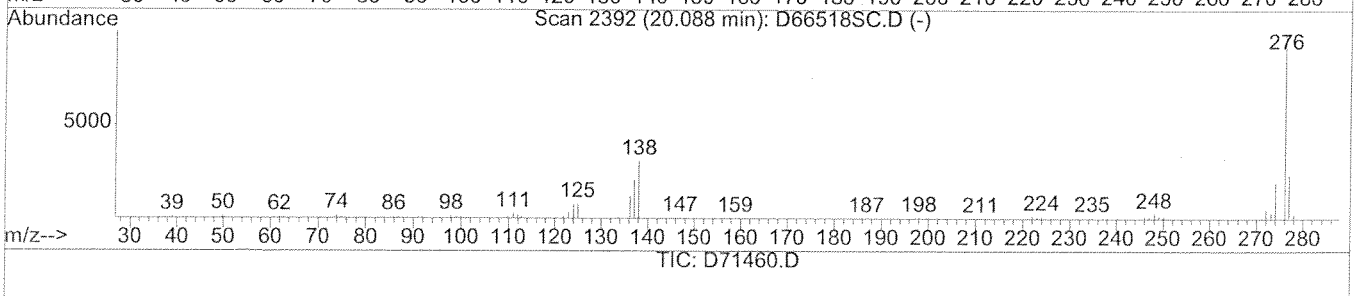
Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Multiple Level Calibration

PM 8/6/10

Co-el.







TIC: D71460.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.20min 27.72ug/ml

response 154553

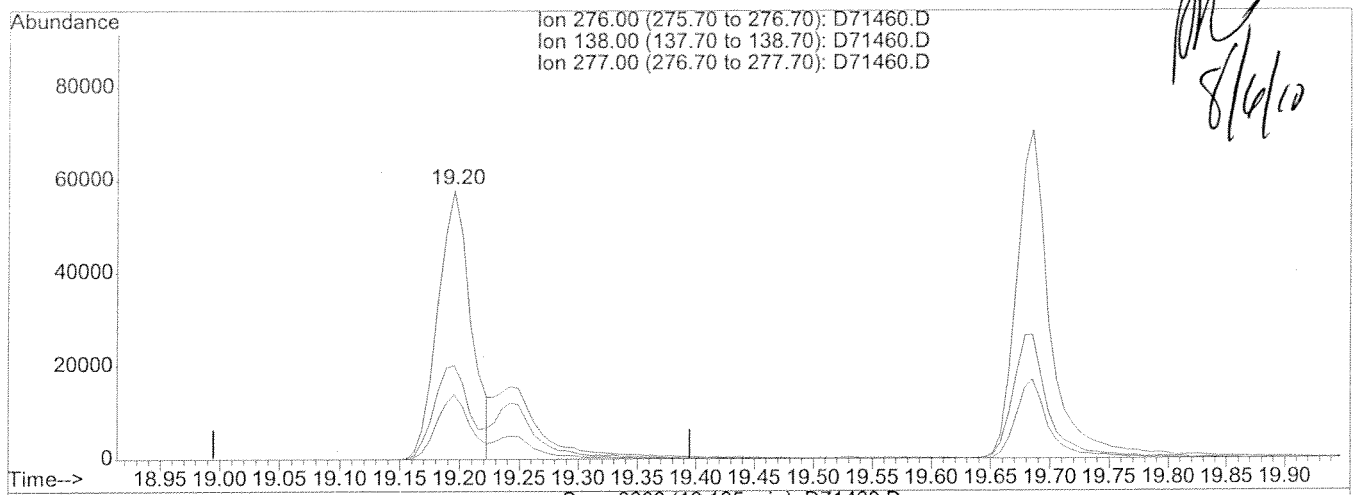
Ion	Exp%	Act%
276.00	100	100
138.00	10.70	27.68#
277.00	23.80	17.45#
0.00	0.00	0.00

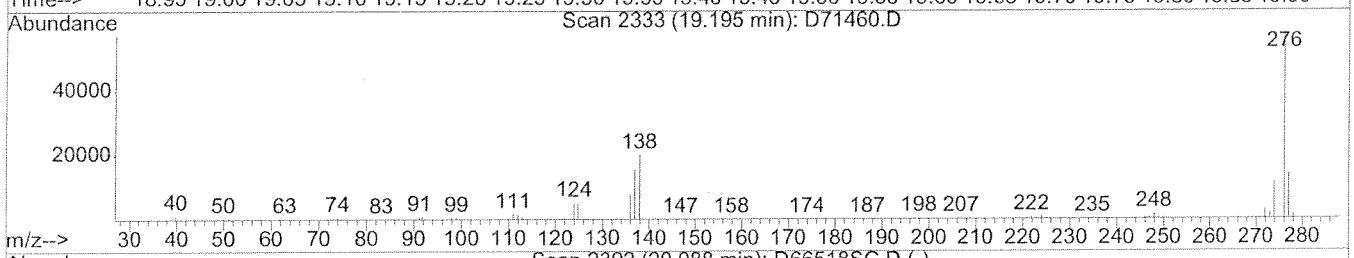
38910

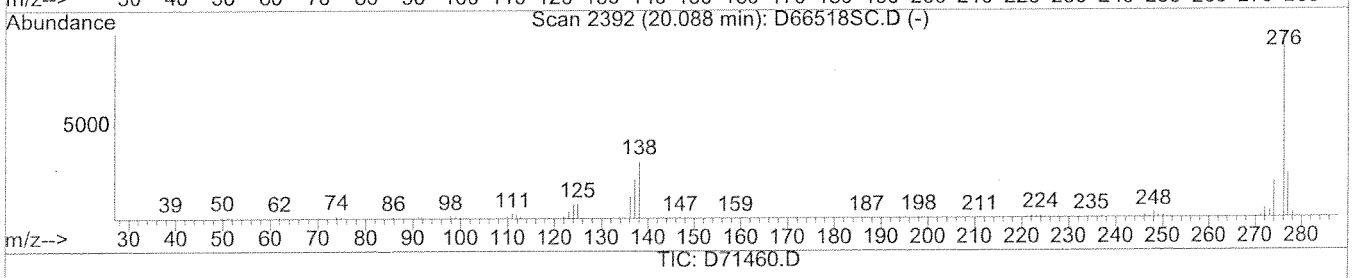
D71460.D ARM80410.M Fri Aug 06 01:50:12 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D Vial: 15
Acq On : 5 Aug 2010 8:53 am Operator: AR/NP
Sample : S9716 ARO 20 ICV Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 1:50 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Fri Aug 06 01:48:12 2010
Response via : Multiple Level Calibration







TIC: D71460.D

(19) Indeno [1,2,3-cd] pyrene (TM)

19.20min 20.32ug/ml m

response 110941

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	38.56#
277.00	23.80	24.31
0.00	0.00	0.00

D71460.D ARM80410.M Fri Aug 06 01:50:22 2010

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010

N1080510

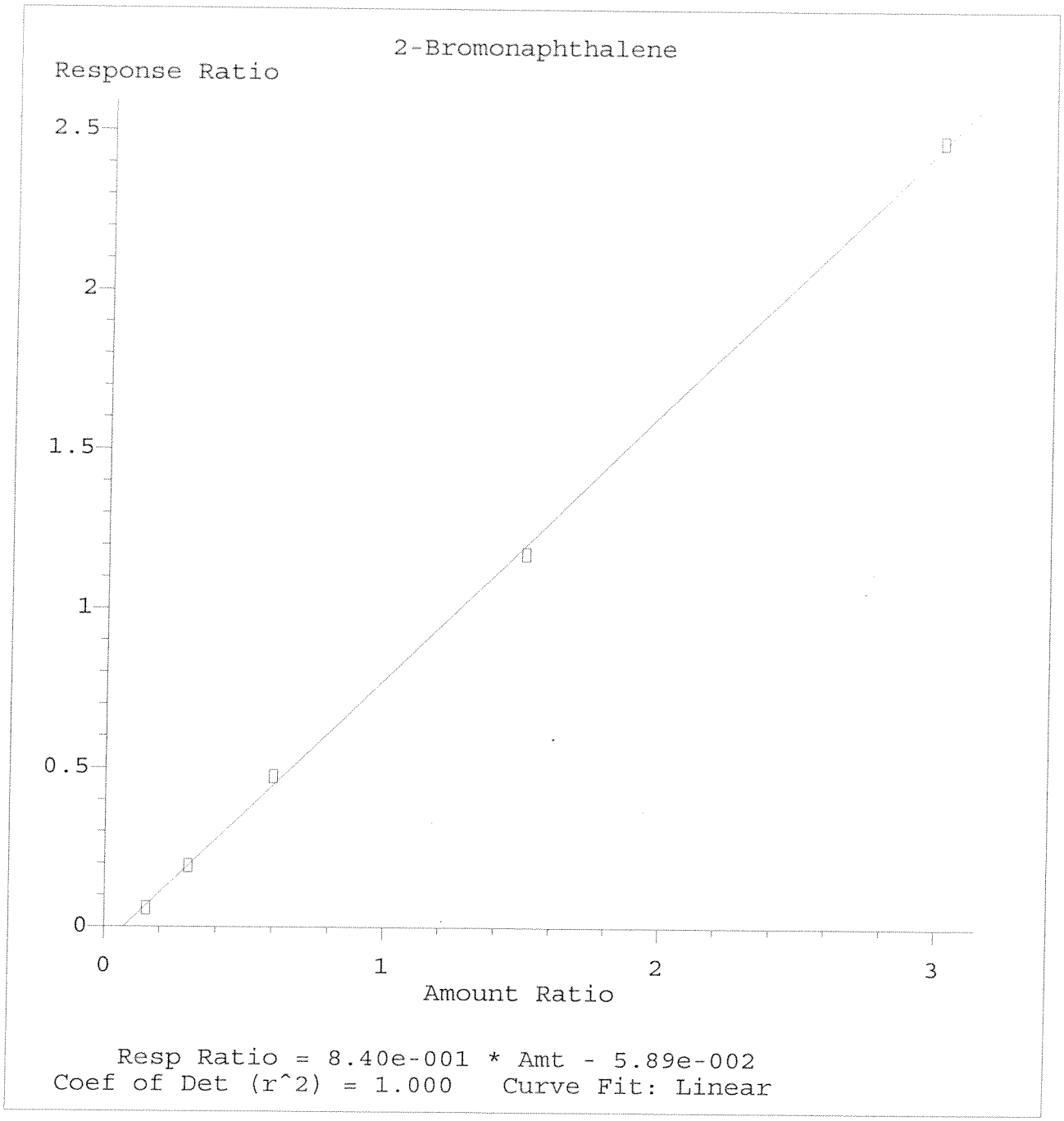
Calibration Files
2 =D71454SI.D 5 =D71455SI.D 10 =D71456SI.D
20 =D71457SI.D 50 =D71458SI.D 100 =D71459SI.D

		Compound	2	5	10	20	50	100	Avg		%RS
1)	I	5-alpha-Androstane	----------ISTD----------								
2)	TZ	Naphthalene	1.010	1.076	1.056	1.046	1.104	1.173	1.077	0	5.2
3)	TZ	2-Methylnaphthalene	1.004	1.010	1.043	1.027	1.082	1.088	1.042	0	3.4
4)	TZ	Acenaphthylene	0.939	0.946	0.990	0.995	1.017	1.029	0.986	0	3.7
5)	TZ	Acenaphthene	1.282	1.228	1.176	1.150	1.116	1.112	1.177	0	5.6
6)	TZ	Fluorene	0.909	0.933	0.933	0.972	0.997	0.991	0.956	0	3.7
7)	TZ	Phenanthrene	0.869	0.968	1.002	0.976	1.049	1.030	0.982	0	6.5
8)	TZ	Anthracene	0.898	1.009	1.039	0.998	1.047	0.991	0.997	0	5.3
9)	S	2-Fluorobiphenyl	—	0.934	0.957	0.978	1.013	1.053	0.987	0	4.7
10)	S	2-Bromonaphthalene	—	0.396	0.639	0.790	0.782	0.824	0.686	0	25.7
11)	S	o-terphenyl	—	0.912	0.920	0.914	0.948	0.989	0.937	0	3.4
12)	TZ	Fluoranthene	0.939	0.958	0.937	0.951	1.014	1.013	0.969	0	3.6
13)	TZ	Pyrene	0.947	0.972	0.990	1.010	1.028	1.021	0.995	0	3.1
14)	TZ	Benzo[a]anthracene	0.676	0.747	0.781	0.845	0.927	0.925	0.817	0	12.3
15)	TZ	Chrysene	0.847	0.902	0.906	0.959	0.990	0.970	0.929	0	5.7
16)	TZ	Benzo[b] fluoranthe	0.543	0.598	0.639	0.694	0.770	0.782	0.671	0	14.2
[illegible])	TZ	Benzo[k] fluoranthe	0.702	0.751	0.761	0.804	0.827	0.811	0.776	0	6.0
[illegible])	TZ	Benzo[a] pyrene	0.517	0.592	0.663	0.712	0.752	0.765	0.667	0	14.5
19)	TZ	Indeno [1,2,3-cd] p	0.318	0.413	0.475	0.552	0.606	0.562	0.488	0	22.1
20)	TZ	Dibenz [a,h] anthra	0.552	0.650	0.708	0.746	0.695	0.691	0.673	0	9.9
21)	TZ	Benzo(g,h,i) peryl	0.506	0.600	0.638	0.715	0.651	0.572	0.614	0	11.6
22)	XH	c11-c22	0.792	0.844	0.867	0.891	0.922	0.913	0.872	0	5.5

8/5/10

(#) = Out of Range

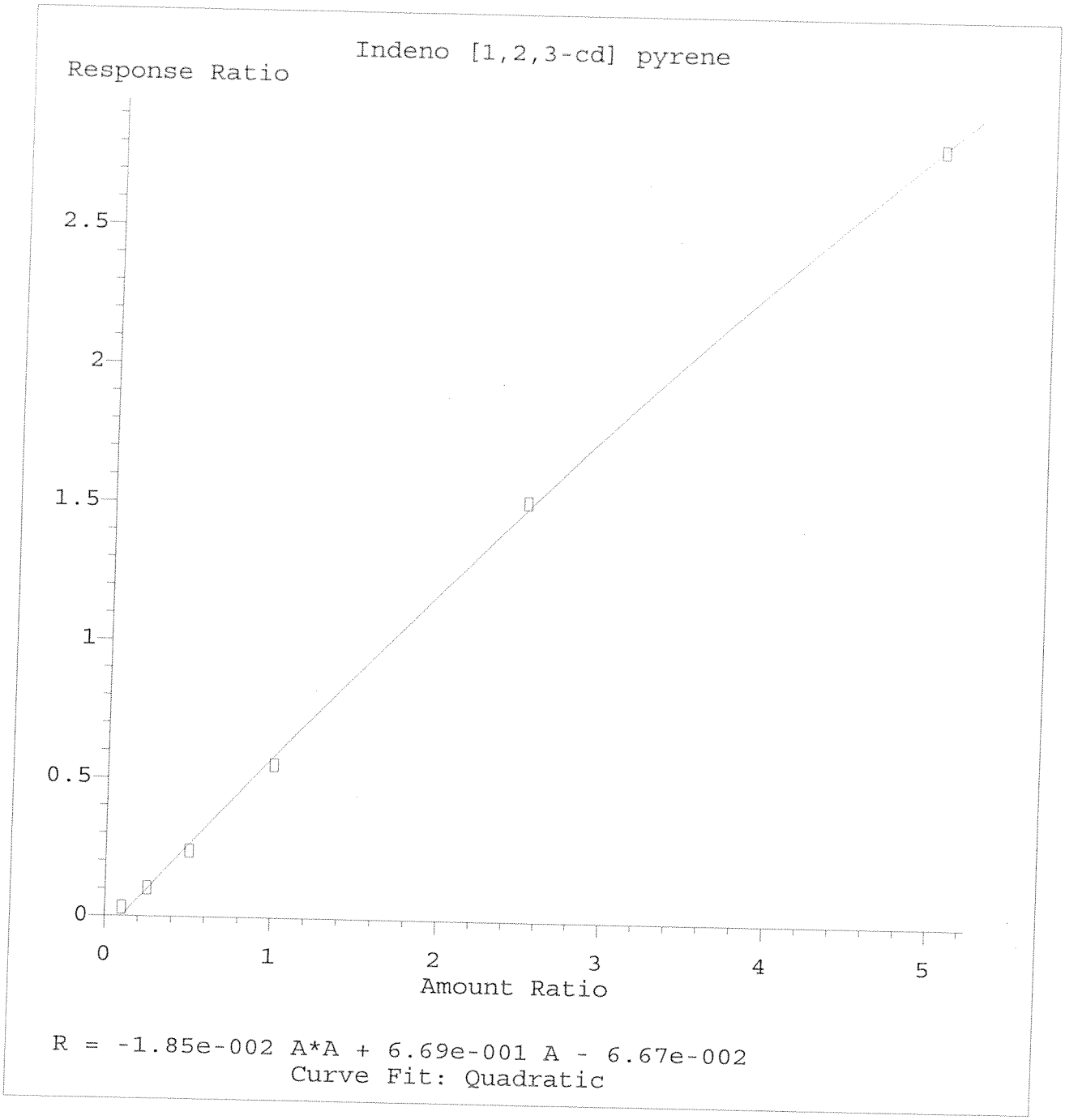
W108050



Method Name: D:\HPCHEM\1\METHODS\ARG80410.M
Calibration Table Last Updated: Thu Aug 05 10:32:35 2010

✓ PM 8/5/10

NR080510



Method Name: D:\HPCHEM\1\METHODS\ARG80410.M
Calibration Table Last Updated: Thu Aug 05 10:34:13 2010

✓ 8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:22 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Nro 80510
Q

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7321140	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	400952	1.075 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	5.38%#
10) S 2-Bromonaphthalene	8.45	259067	<MDL ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
11) S o-terphenyl	10.30	263140	<MDL ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
Target Compounds			
2) TZ Naphthalene	6.72	739434	2.118 ug/ml
3) TZ 2-Methylnaphthalene	7.41	735081	2.008 ug/ml
4) TZ Acenaphthylene	8.31	687457	1.884 ug/ml
5) TZ Acenaphthene	8.47	938876	1.070 ug/mlm
6) TZ Fluorene	8.99	665453	1.746 ug/ml
7) TZ Phenanthrene	9.95	635887	1.640 ug/ml
8) TZ Anthracene	10.00	657438	1.739 ug/ml
12) TZ Fluoranthene	11.31	687294	1.734 ug/ml
13) TZ Pyrene	11.64	693311	1.686 ug/ml
14) TZ Benzo[a]anthracene	13.86	494989	2.649 ug/ml
15) TZ Chrysene	13.93	620391	1.674 ug/ml
16) TZ Benzo[b] fluoranthene	16.20	397338	2.158 ug/ml
17) TZ Benzo[k] fluoranthene	16.26	513847	1.888 ug/ml
18) TZ Benzo[a] pyrene	16.89	378441	2.595 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.21	232930	2.844 ug/ml
20) TZ Dibenz [a,h] anthracene	19.26	403891	1.151 ug/ml
21) TZ Benzo(g,h,i) perylene	19.70	370741	2.257 ug/ml
22) XH c11-c22	11.79	15652020	43.463 ug/ml

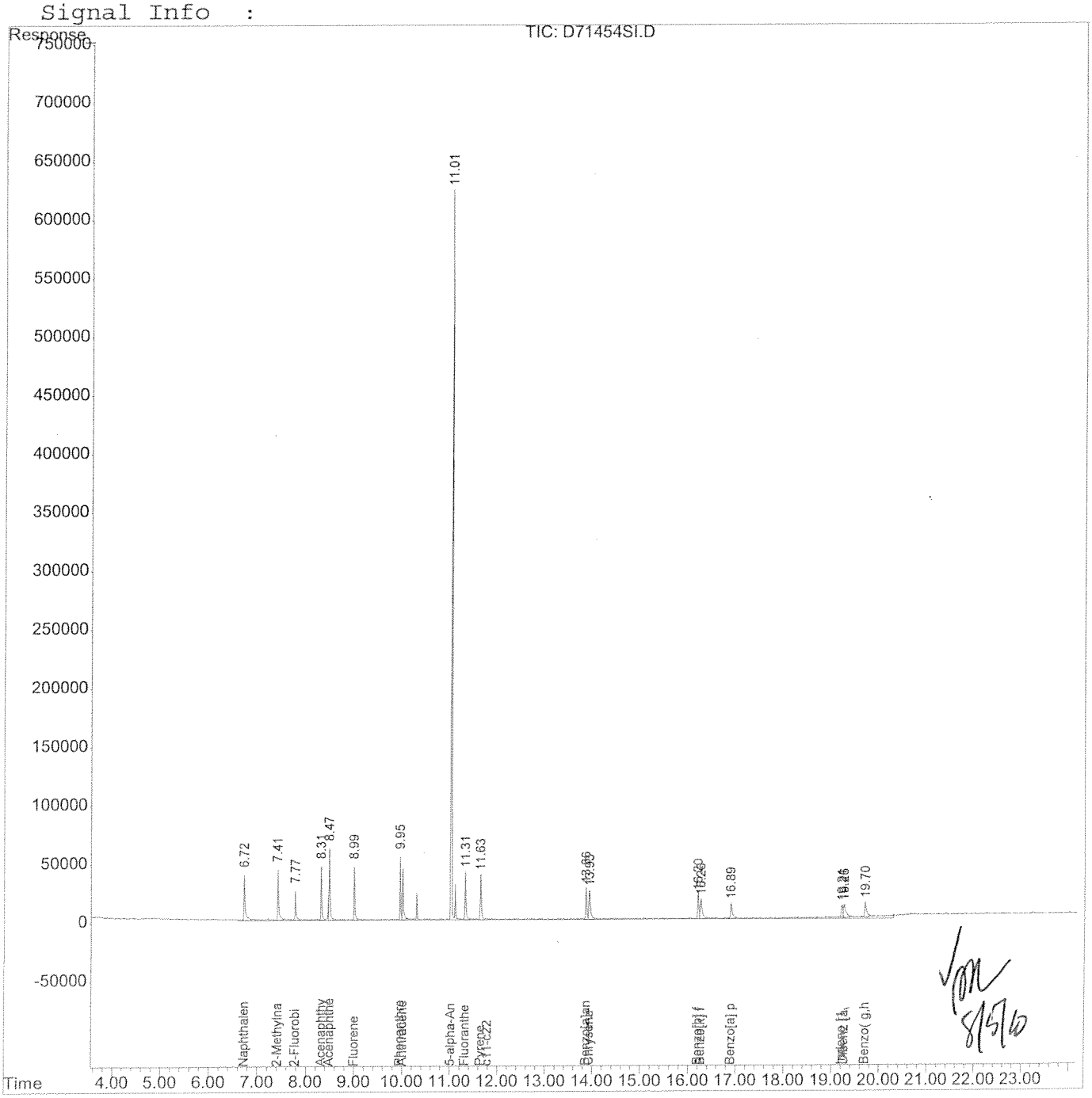
8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:22 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration MA080510
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

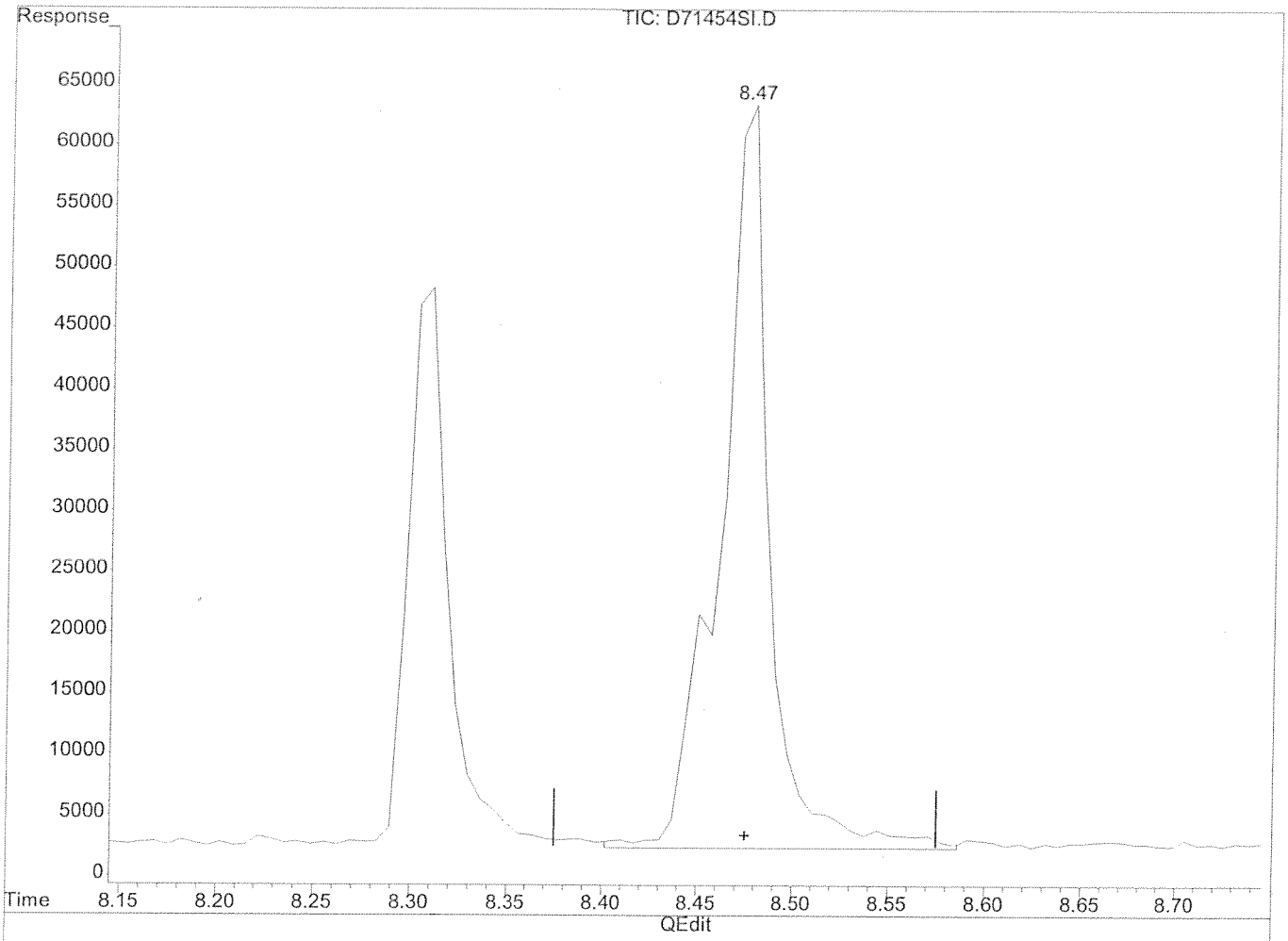
Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D
Acq On : 5 Aug 2010 5:51 am
Sample : S9706 ARO 2
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 8:28 2010 Quant Results File: ARG80410.RES

Vial: 9
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration

RM 080710

Coel



(5) Acenaphthene (TZ)

8.48min 1.447ug/ml

response 1104428

8/5/10

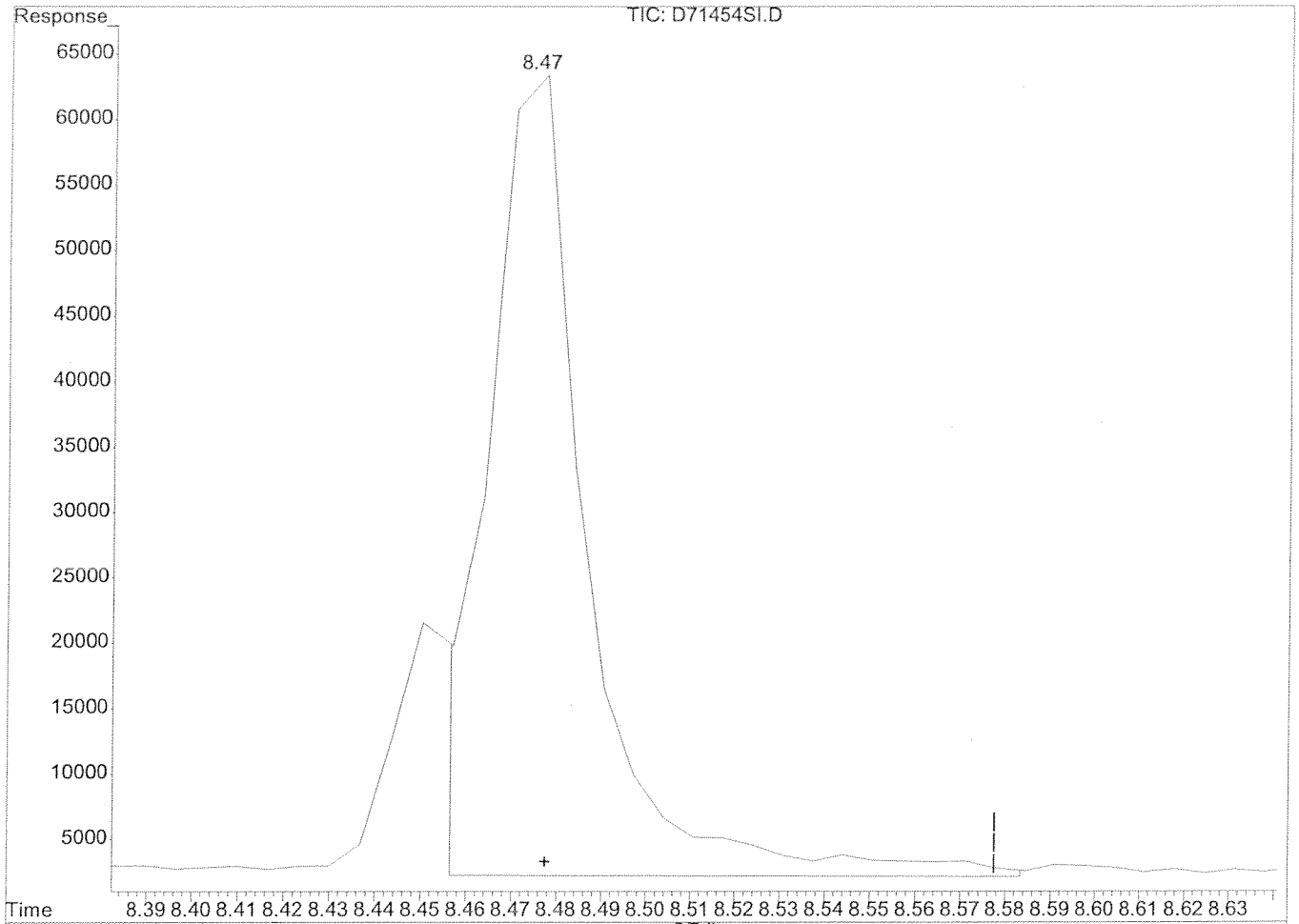
(+) = Expected Retention Time

D71454SI.D ARG80410.M Thu Aug 05 08:30:56 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D Vial: 9
Acq On : 5 Aug 2010 5:51 am Operator: AR/NP
Sample : S9706 ARO 2 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:22 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration

NRO8056



(5) Acenaphthene (TZ)

8.47min 1.070ug/ml m

response 938876

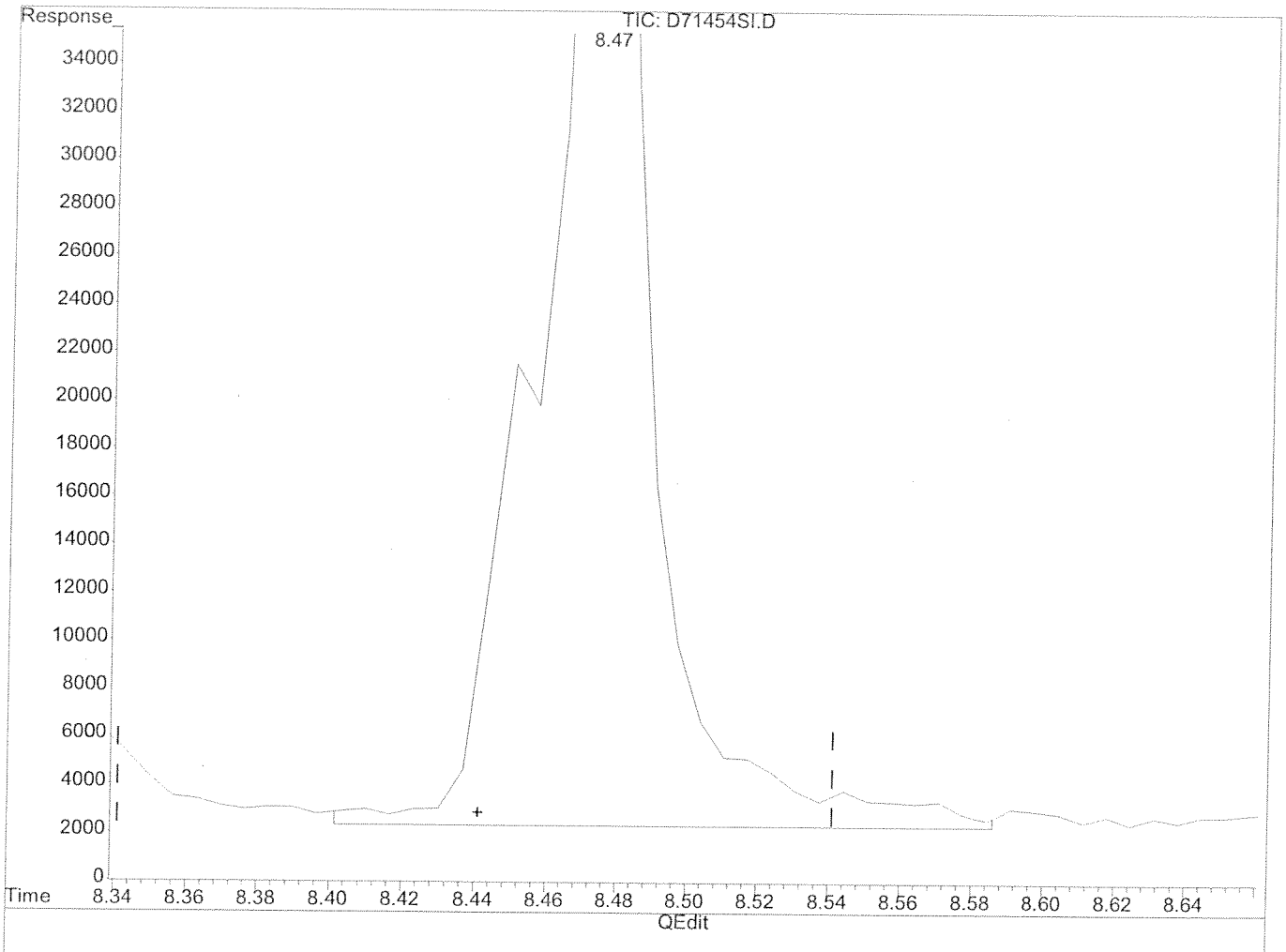
8/5/10

(+) = Expected Retention Time
D71454SI.D ARG80410.M Thu Aug 05 10:22:30 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D
Acq On : 5 Aug 2010 5:51 am
Sample : S9706 ARO 2
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 8:27 2010 Quant Results File: ARG80410.RES

Vial: 9
Operator: AR/NP
Inst : GC/MS In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration



(10) 2-Bromonaphthalene (S)

8.48min 3.821ug/ml

response 1104428

(+) = Expected Retention Time

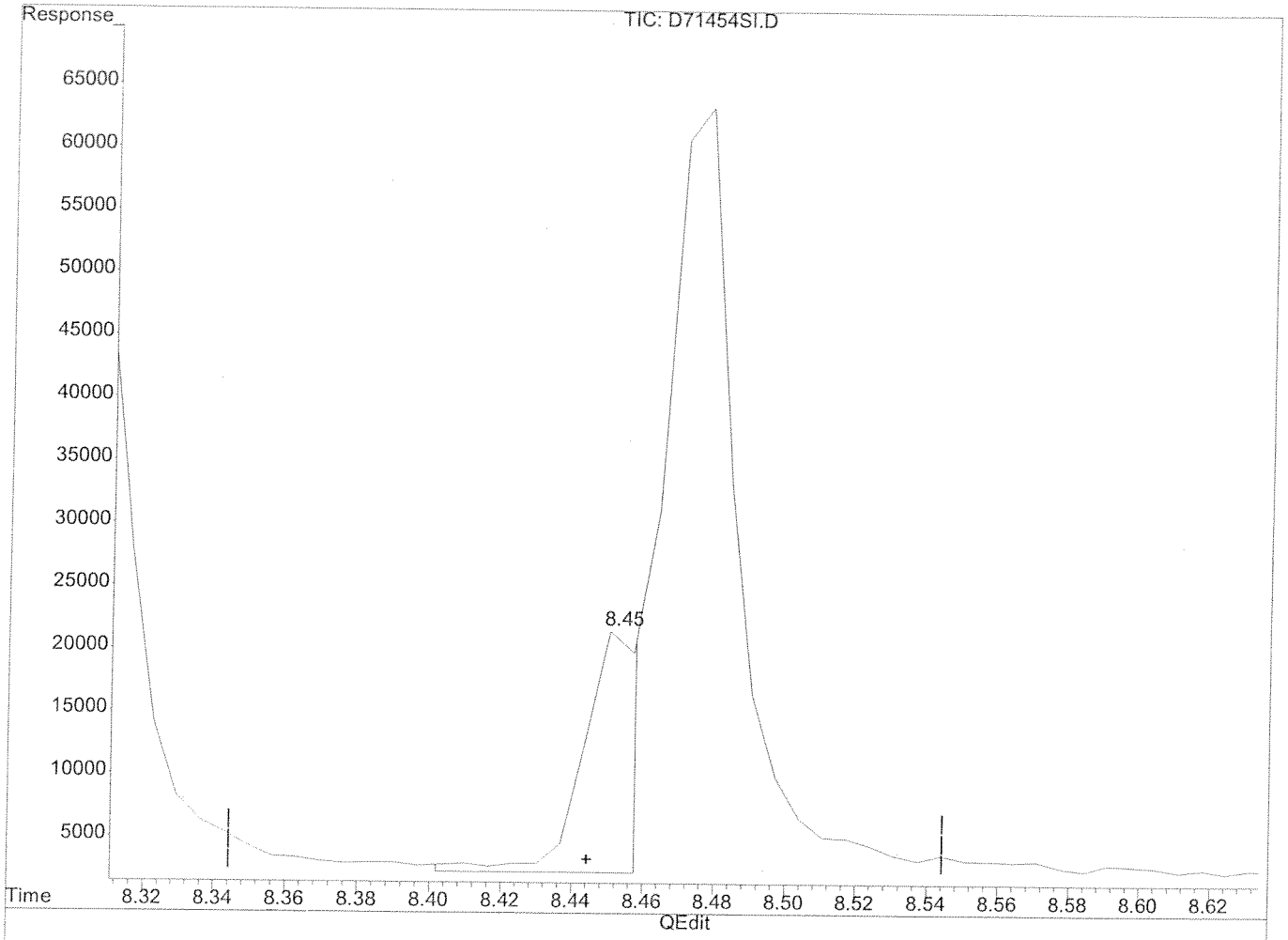
D71454SI.D ARG80410.M Thu Aug 05 08:27:47 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71454SI.D
Acq On : 5 Aug 2010 5:51 am
Sample : S9706 ARO 2
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:22 2010 Quant Results File: ARG80410.RES

Vial: 9
Operator: AR/NP
Inst : GC/MS In:
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration

N-080520



(10) 2-Bromonaphthalene (S)

8.45min 0.896ug/ml m

response 259067

JM 8/5/10

(+) = Expected Retention Time
D71454SI.D ARG80410.M Thu Aug 05 10:22:45 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D Vial: 10
Acq On : 5 Aug 2010 6:22 am Operator: AR/NP
Sample : S9707 ARO 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:26 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

MM080510

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7034296	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	985691	2.749 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	13.75%#
10) S 2-Bromonaphthalene	8.45	417787	1.504 ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	7.52%#
11) S o-terphenyl	10.29	641633	1.393 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	6.97%#
Target Compounds			
2) TZ Naphthalene	6.72	1891898	5.641 ug/ml
3) TZ 2-Methylnaphthalene	7.41	1775647	5.048 ug/ml
4) TZ Acenaphthylene	8.31	1663312	4.743 ug/ml
5) TZ Acenaphthene	8.47	2159813	4.069 ug/mlm
6) TZ Fluorene	8.99	1640841	4.480 ug/ml
7) TZ Phenanthrene	9.95	1701825	4.567 ug/ml
8) TZ Anthracene	10.00	1775029	4.888 ug/ml
12) TZ Fluoranthene	11.31	1684148	4.422 ug/ml
13) TZ Pyrene	11.63	1708938	4.325 ug/ml
14) TZ Benzo[a]anthracene	13.85	1314199	4.769 ug/ml
15) TZ Chrysene	13.93	1586729	4.455 ug/ml
16) TZ Benzo[b] fluoranthene	16.19	1051658	4.139 ug/ml
17) TZ Benzo[k] fluoranthene	16.25	1321090	4.086 ug/ml
18) TZ Benzo[a] pyrene	16.88	1040877	4.559 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.20	727145	4.369 ug/ml
20) TZ Dibenz [a,h] anthracene	19.25	1142689	3.389 ug/ml
21) TZ Benzo(g,h,i) perylene	19.69	1055296	4.053 ug/ml
22) XH c11-c22	11.79	31324045	90.529 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

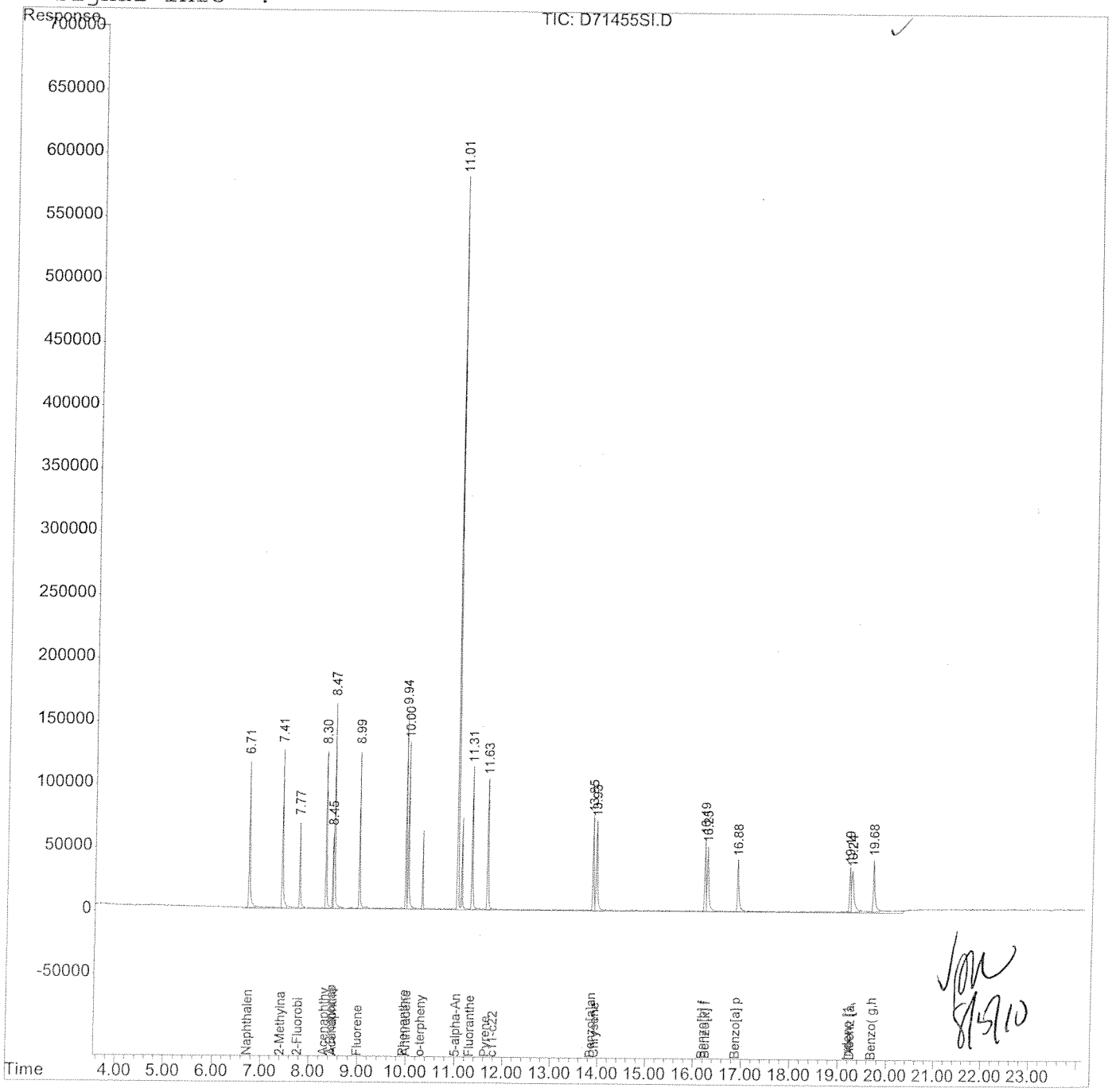
Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D
Acq On : 5 Aug 2010 6:22 am
Sample : S9707 ARO 5
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:26 2010 Quant Results File: ARG80410.RES

Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Nw 80510

Volume Inj. :
Signal Phase :
Signal Info :

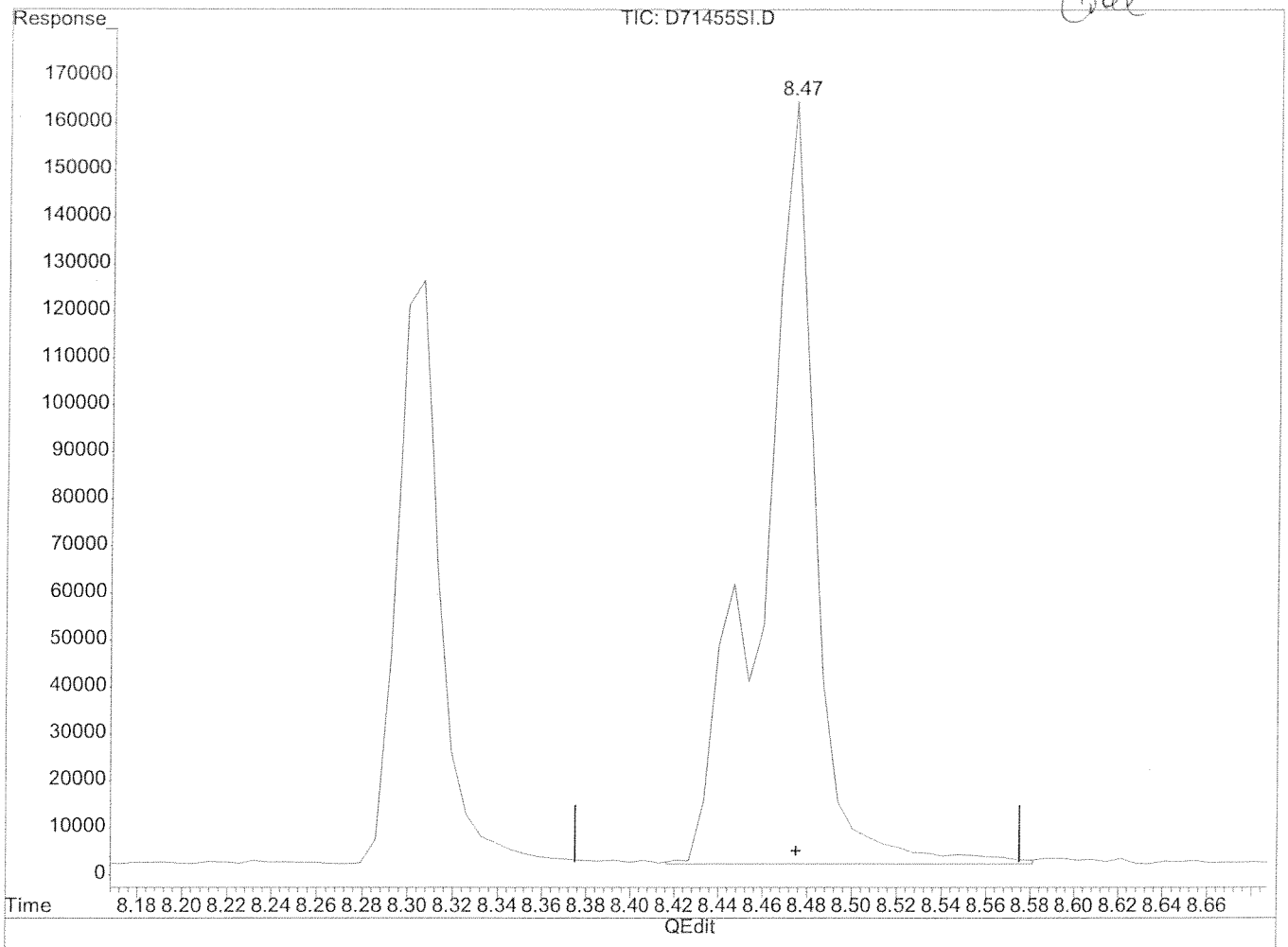


JAN 8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D Vial: 10
Acq On : 5 Aug 2010 6:22 am Operator: AR/NP
Sample : S9707 ARO 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 8:28 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration

NR080510
Gal



(5) Acenaphthene (TZ)

8.48min 5.466ug/ml

response 2740647

8/5/10

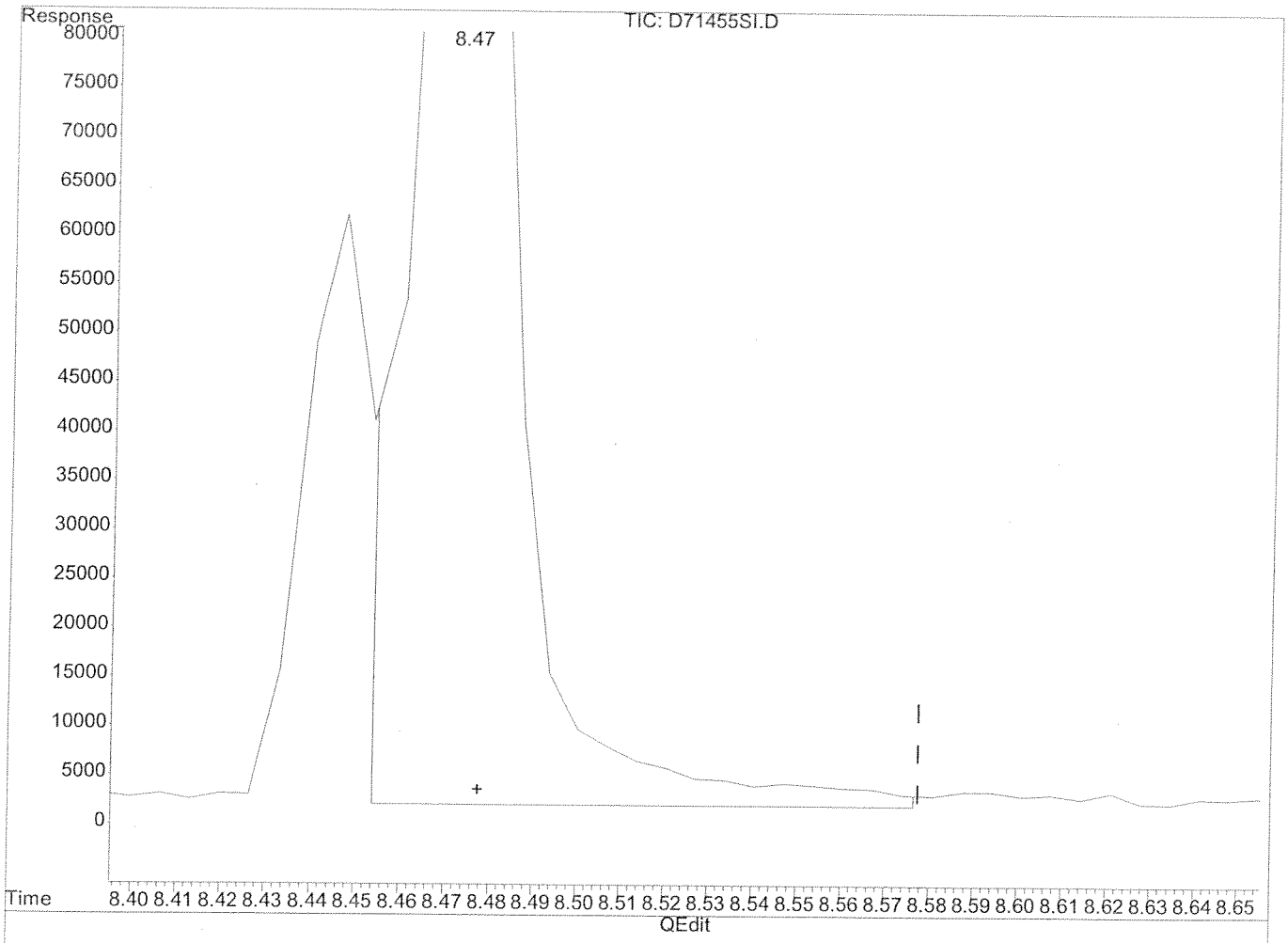
(+) = Expected Retention Time
D71455SI.D ARG80410.M Thu Aug 05 08:31:19 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D
Acq On : 5 Aug 2010 6:22 am
Sample : S9707 ARO 5
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:25 2010 Quant Results File: ARG80410.RES

Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration

ARO80410



(5) Acenaphthene (TZ)

8.47min 4.069ug/ml m

response 2159813

8/5/10

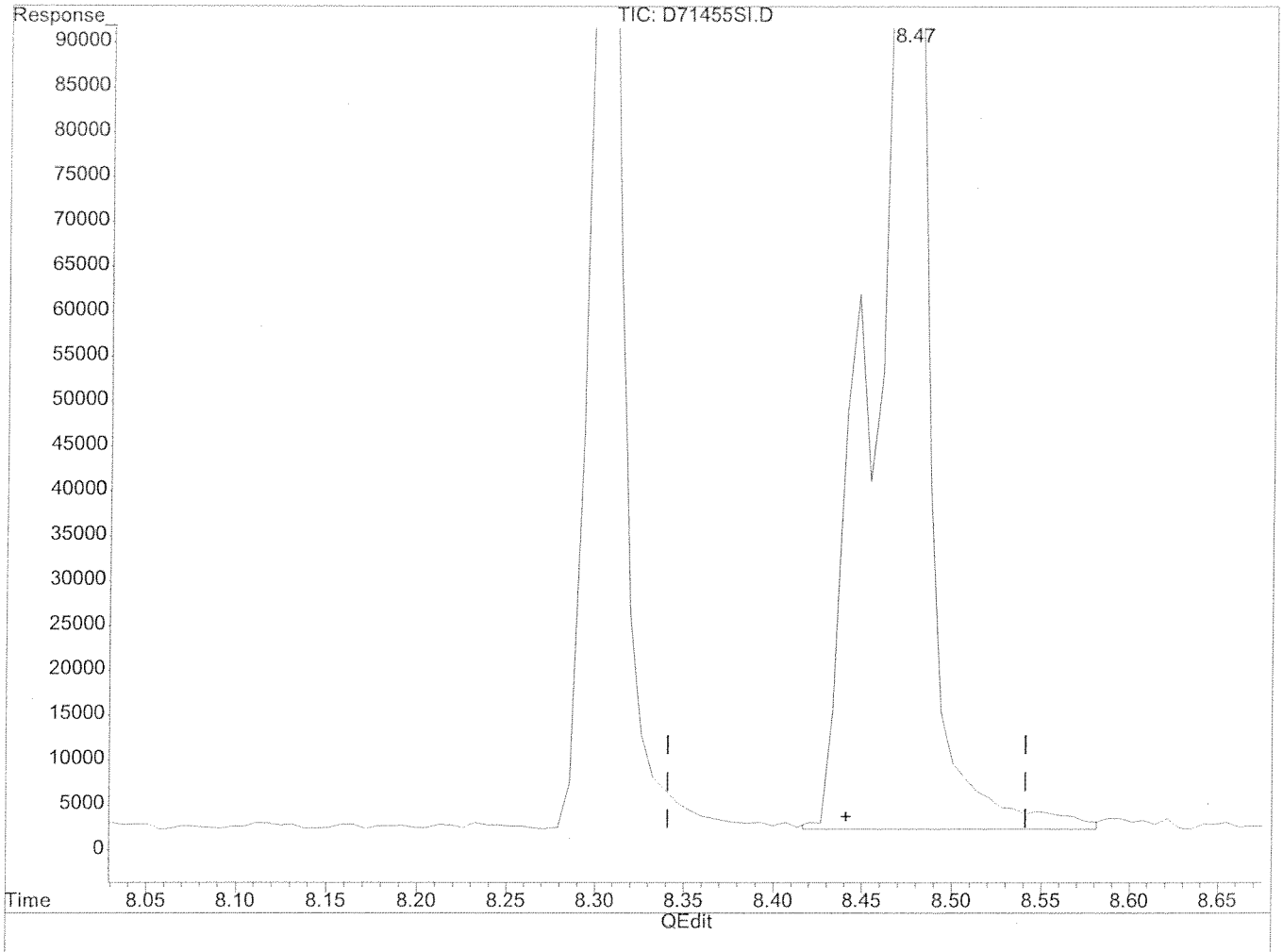
(+) = Expected Retention Time

D71455SI.D ARG80410.M Thu Aug 05 10:25:58 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D Vial: 10
Acq On : 5 Aug 2010 6:22 am Operator: AR/NP
Sample : S9707 ARO 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 8:28 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration

NK 080510
Cord



(10) 2-Bromonaphthalene (S)

8.48min 9.869ug/ml

response 2740647

8/5/10

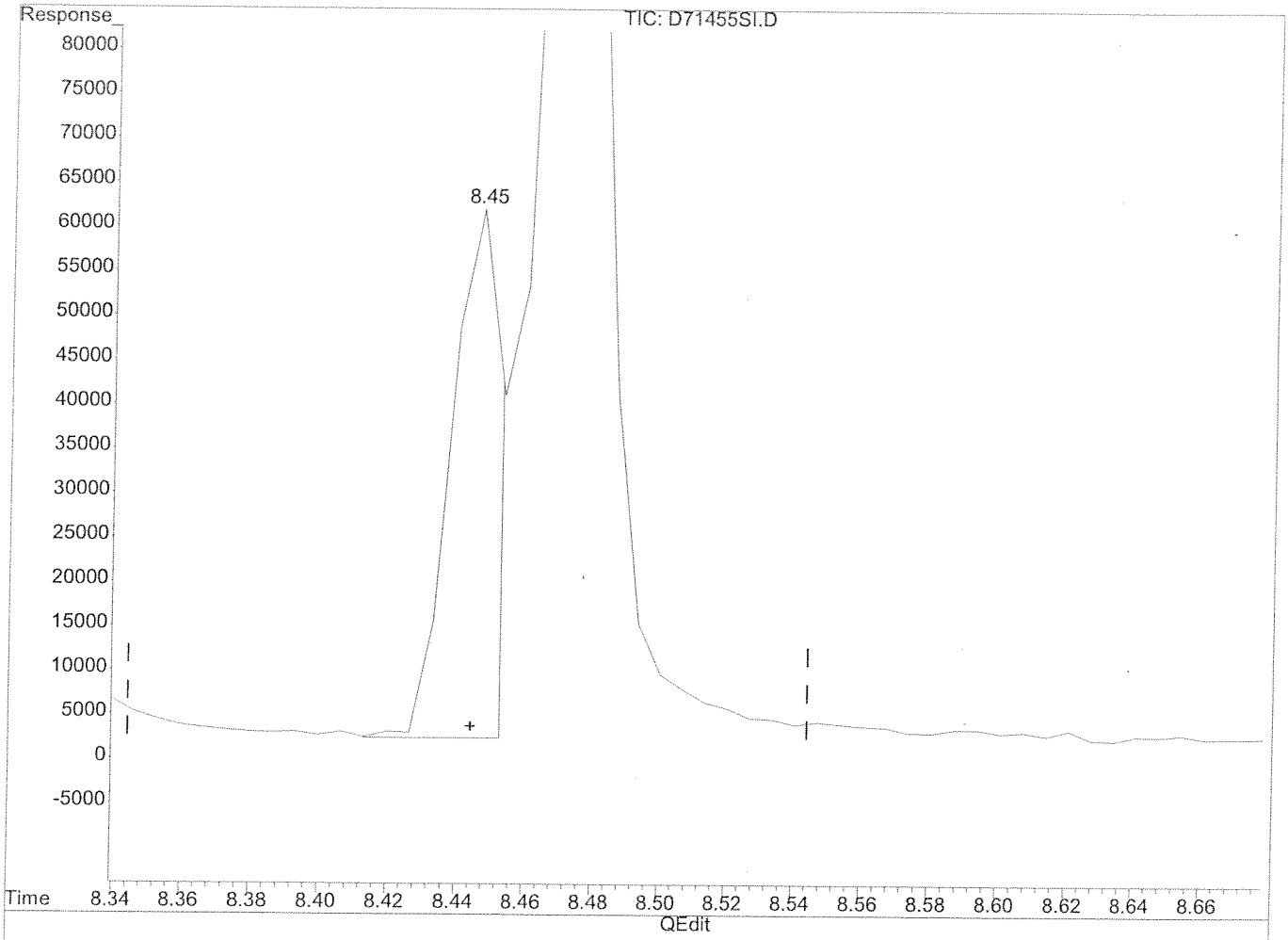
(+) = Expected Retention Time
D71455SI.D ARG80410.M Thu Aug 05 08:28:46 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71455SI.D
Acq On : 5 Aug 2010 6:22 am
Sample : S9707 ARO 5
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:25 2010 Quant Results File: ARG80410.RES

Vial: 10
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration

NPO 80510



(10) 2-Bromonaphthalene (S)

8.45min 1.504ug/ml m

response 417787

8/5/10

(+) = Expected Retention Time
D71455SI.D ARG80410.M Thu Aug 05 10:26:11 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D Vial: 11
Acq On : 5 Aug 2010 6:52 am Operator: AR/NP
Sample : S9708 ARO 10 Inst : GC/MS In:
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 10:27 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP080510

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6843375	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	1963831	5.631 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	28.16%#
10) S 2-Bromonaphthalene	8.45	1312454	4.858 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	24.29%#
11) S o-terphenyl	10.30	1258970	2.810 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	14.05%#
Target Compounds			
2) TZ Naphthalene	6.72	3614591	11.079 ug/ml
3) TZ 2-Methylnaphthalene	7.41	3569589	10.431 ug/ml
4) TZ Acenaphthylene	8.31	3386712	9.927 ug/ml
5) TZ Acenaphthene	8.48	4023382	8.850 ug/ml
6) TZ Fluorene	8.99	3193887	8.964 ug/ml
7) TZ Phenanthrene	9.95	3428407	9.458 ug/ml
8) TZ Anthracene	10.00	3554869	10.062 ug/ml
12) TZ Fluoranthene	11.31	3207107	8.656 ug/ml
13) TZ Pyrene	11.63	3387500	8.812 ug/ml
14) TZ Benzo[a]anthracene	13.85	2671621	8.399 ug/ml
15) TZ Chrysene	13.93	3100817	8.949 ug/ml
16) TZ Benzo[b] fluoranthene	16.19	2187020	7.645 ug/ml
17) TZ Benzo[k] fluoranthene	16.25	2604952	7.672 ug/ml
18) TZ Benzo[a] pyrene	16.88	2267851	8.284 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.20	1624988	7.226 ug/ml
20) TZ Dibenz [a,h] anthracene	19.25	2420977	7.380 ug/ml
21) TZ Benzo(g,h,i) perylene	19.68	2183818	7.140 ug/ml
22) XH c11-c22	11.79	57509639	170.844 ug/ml

Jon 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

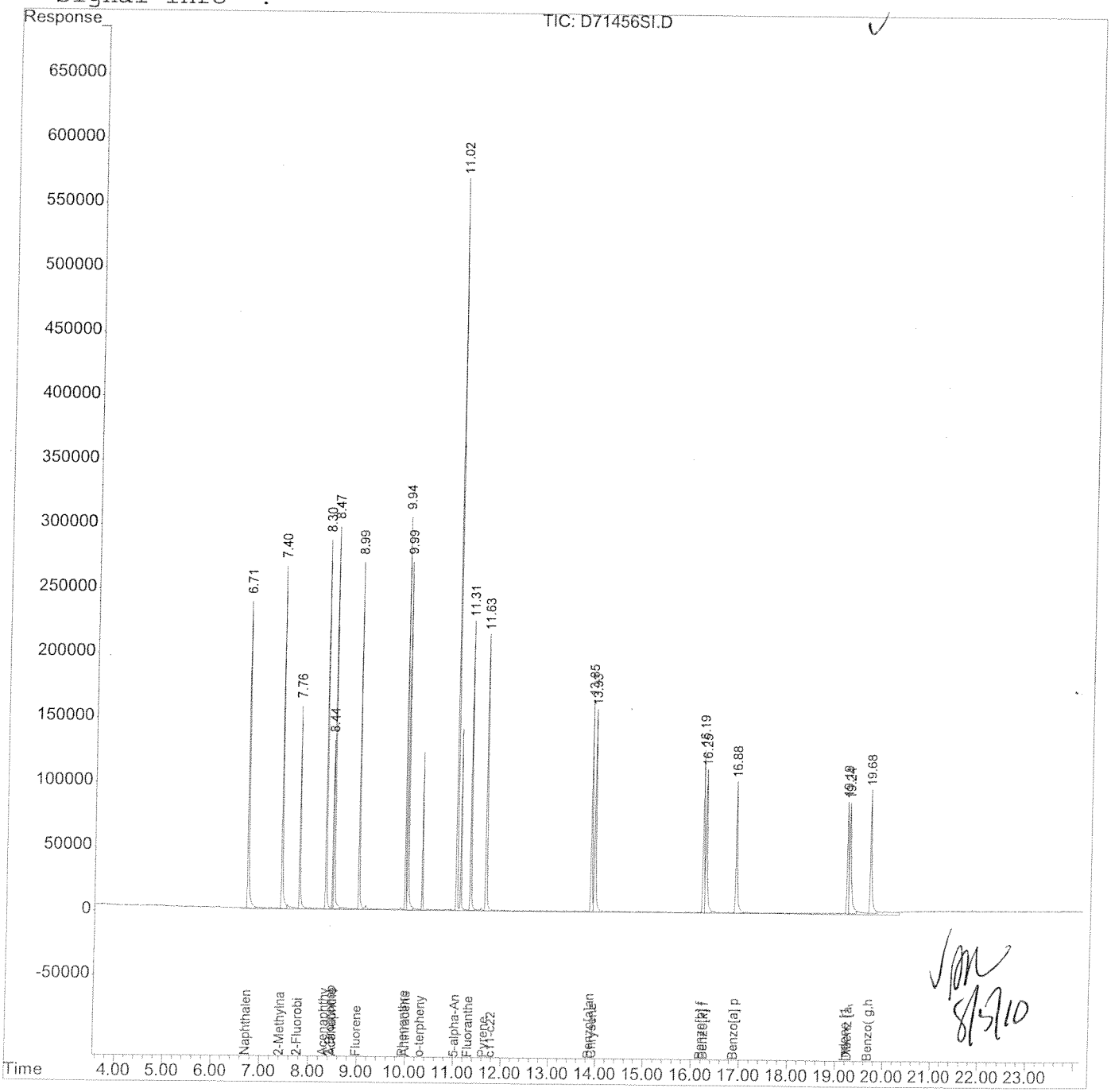
Data File : D:\HPCHEM\1\DATA\080410-D\D71456SI.D
Acq On : 5 Aug 2010 6:52 am
Sample : S9708 ARO 10
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:27 2010 Quant Results File: ARG80410.RES

Vial: 11
Operator: AR/NP
Inst : GC/MS In:
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NP080540

Volume Inj. :
Signal Phase :
Signal Info :



8/3/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D
Acq On : 5 Aug 2010 7:22 am
Sample : S9937 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:29 2010 Quant Results File: ARG80410.RES

Vial: 12
Operator: AR/NP
Inst : GC/MS In
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Np080510
CP

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7445706	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	4369326	11.514 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	57.57%
10) S 2-Bromonaphthalene	8.44	3527170	11.999 ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	59.99%
11) S o-terphenyl	10.30	2722720	5.585 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	27.93%#
Target Compounds			
2) TZ Naphthalene	6.71	7785311	21.931 ug/ml
3) TZ 2-Methylnaphthalene	7.41	7649130	20.543 ug/ml
4) TZ Acenaphthylene	8.30	7408549	19.959 ug/ml
5) TZ Acenaphthene	8.47	8560540	18.677 ug/mlm
6) TZ Fluorene	8.99	7235146	18.663 ug/ml
7) TZ Phenanthrene	9.94	7267786	18.427 ug/ml
8) TZ Anthracene	10.00	7431383	19.333 ug/ml
12) TZ Fluoranthene	11.31	7084420	17.574 ug/ml
13) TZ Pyrene	11.63	7519689	17.979 ug/ml
14) TZ Benzo[a]anthracene	13.85	6294247	16.557 ug/ml
15) TZ Chrysene	13.93	7143103	18.948 ug/ml
16) TZ Benzo[b] fluoranthene	16.20	5165084	15.216 ug/ml
17) TZ Benzo[k] fluoranthene	16.25	5985008	15.470 ug/ml
18) TZ Benzo[a] pyrene	16.88	5301530	15.940 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.20	4110683	13.924 ug/ml
20) TZ Dibenz [a,h] anthracene	19.25	5554687	15.563 ug/ml
21) TZ Benzo(g,h,i) perylene	19.69	5324392	14.532 ug/ml
22) XH c11-c22	11.79	122025673	333.176 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window
(m)=manual int.

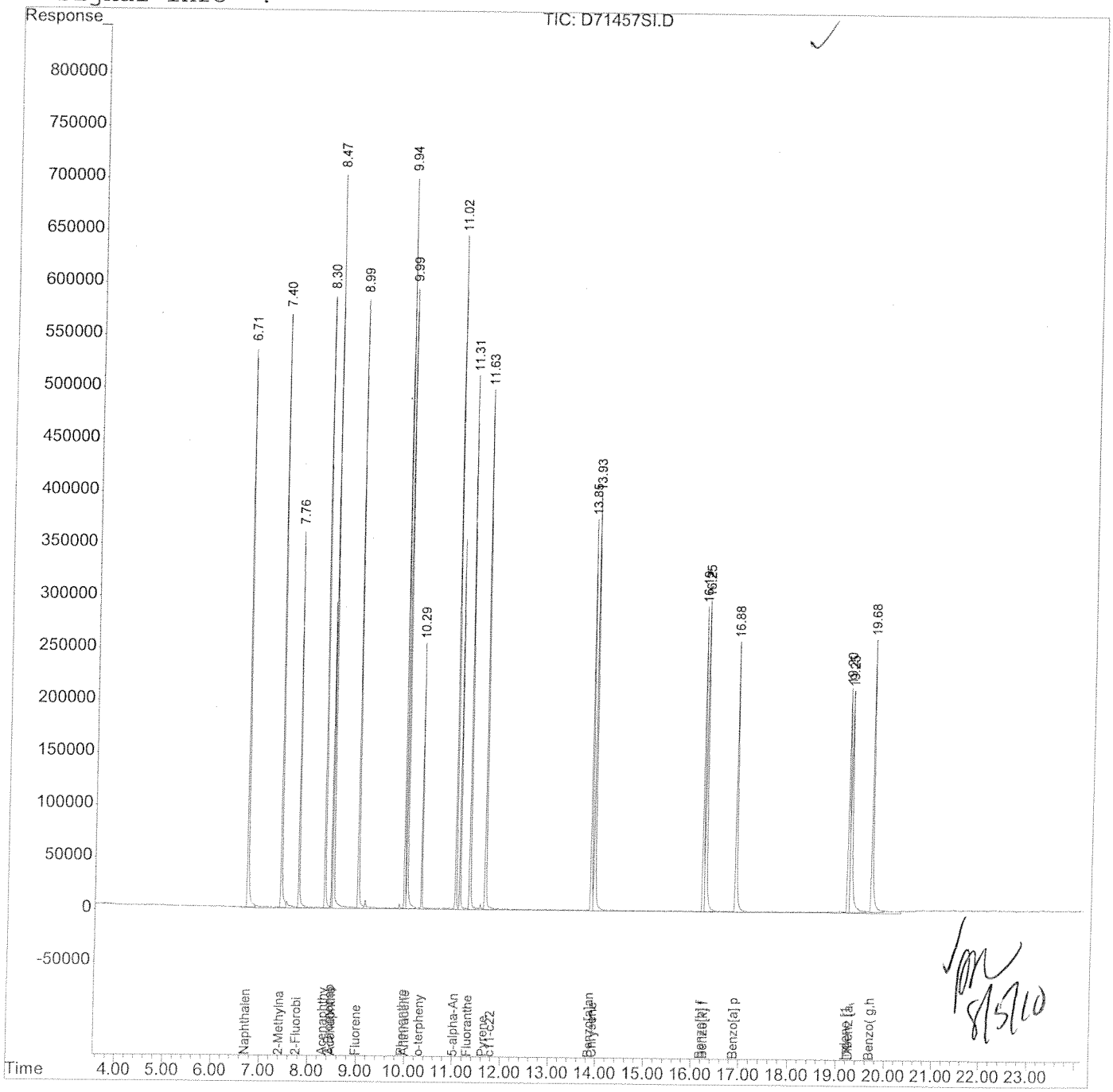
Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D
Acq On : 5 Aug 2010 7:22 am
Sample : S9937 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:29 2010 Quant Results File: ARG80410.RES

Vial: 12
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

N080510

Volume Inj. :
Signal Phase :
Signal Info :



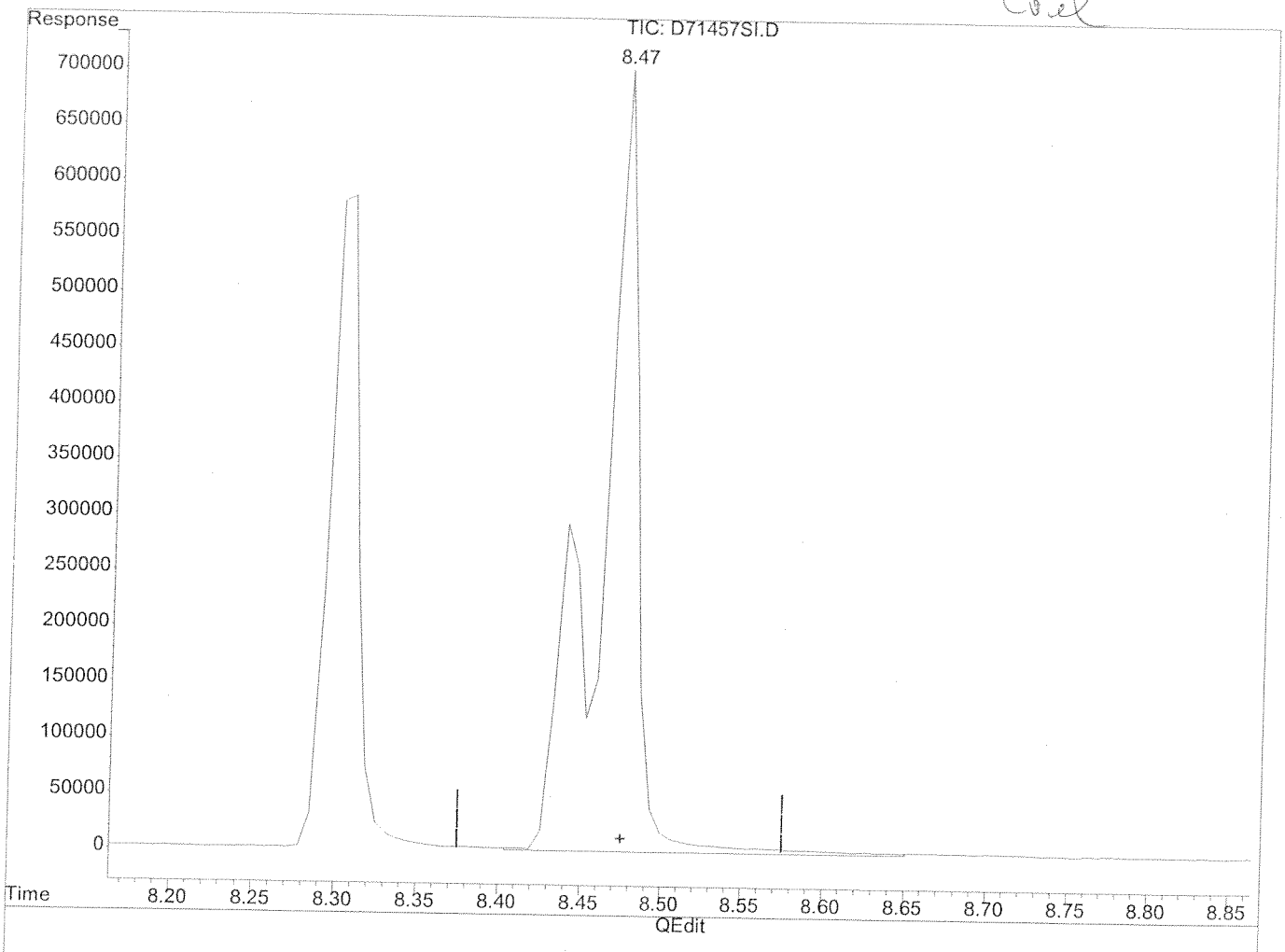
8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D
Acq On : 5 Aug 2010 7:22 am
Sample : S9937 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 8:29 2010 Quant Results File: ARG80410.RES

Vial: 12
Operator: AR/NP
Inst : GC/MS In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010
Response via : Multiple Level Calibration

N080510
Cool



(5) Acenaphthene (TZ)

8.48min 26.135ug/ml

response. 11630549

8/5/10

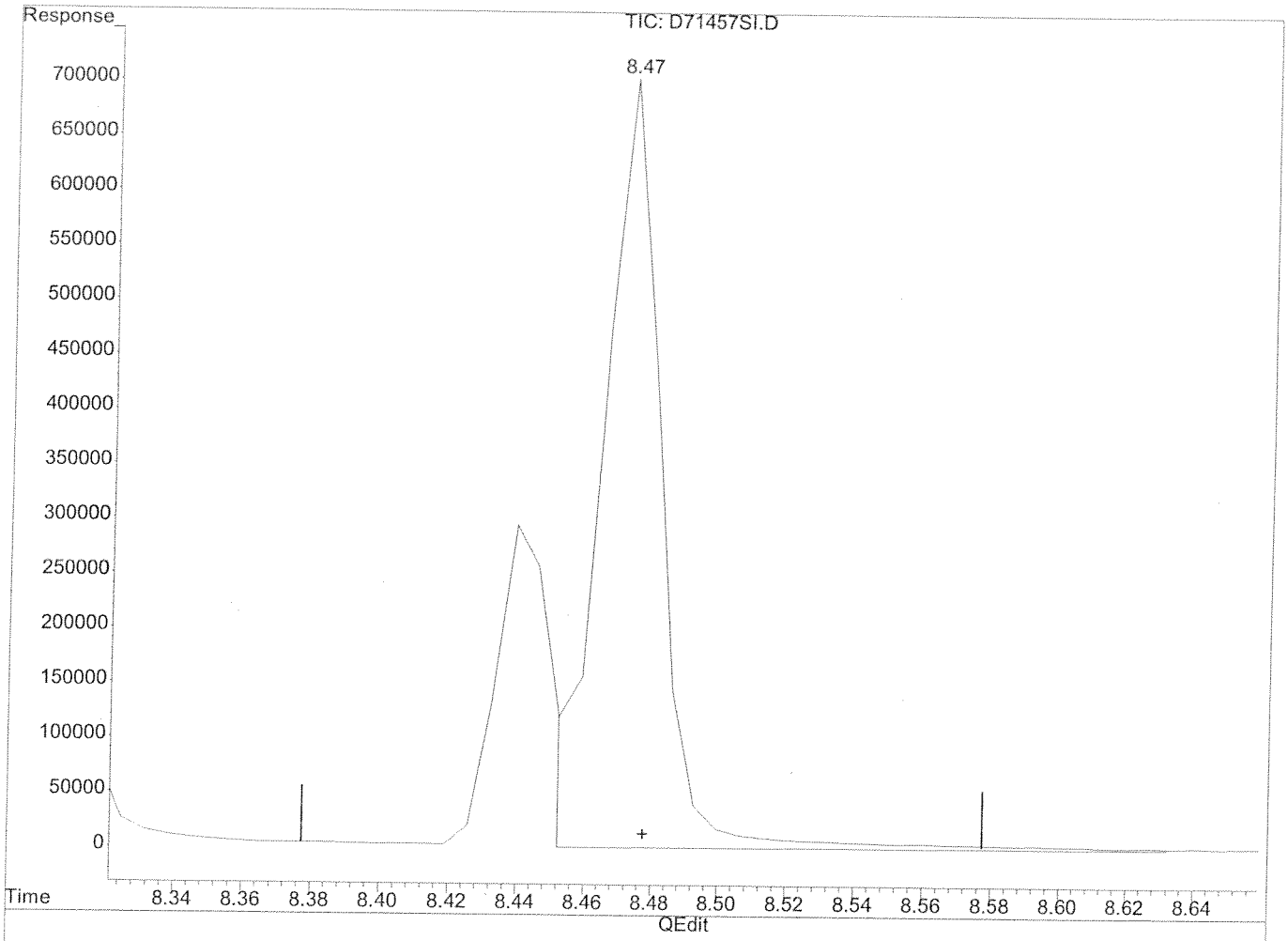
(+) = Expected Retention Time
D71457SI.D ARG80410.M Thu Aug 05 08:32:19 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D
Acq On : 5 Aug 2010 7:22 am
Sample : S9937 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:27 2010 Quant Results File: ARG80410.RES

Vial: 12
Operator: AR/NP
Inst : GC/MS In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration

N080510



(5) Acenaphthene (TZ)

8.47min 18.677ug/ml m

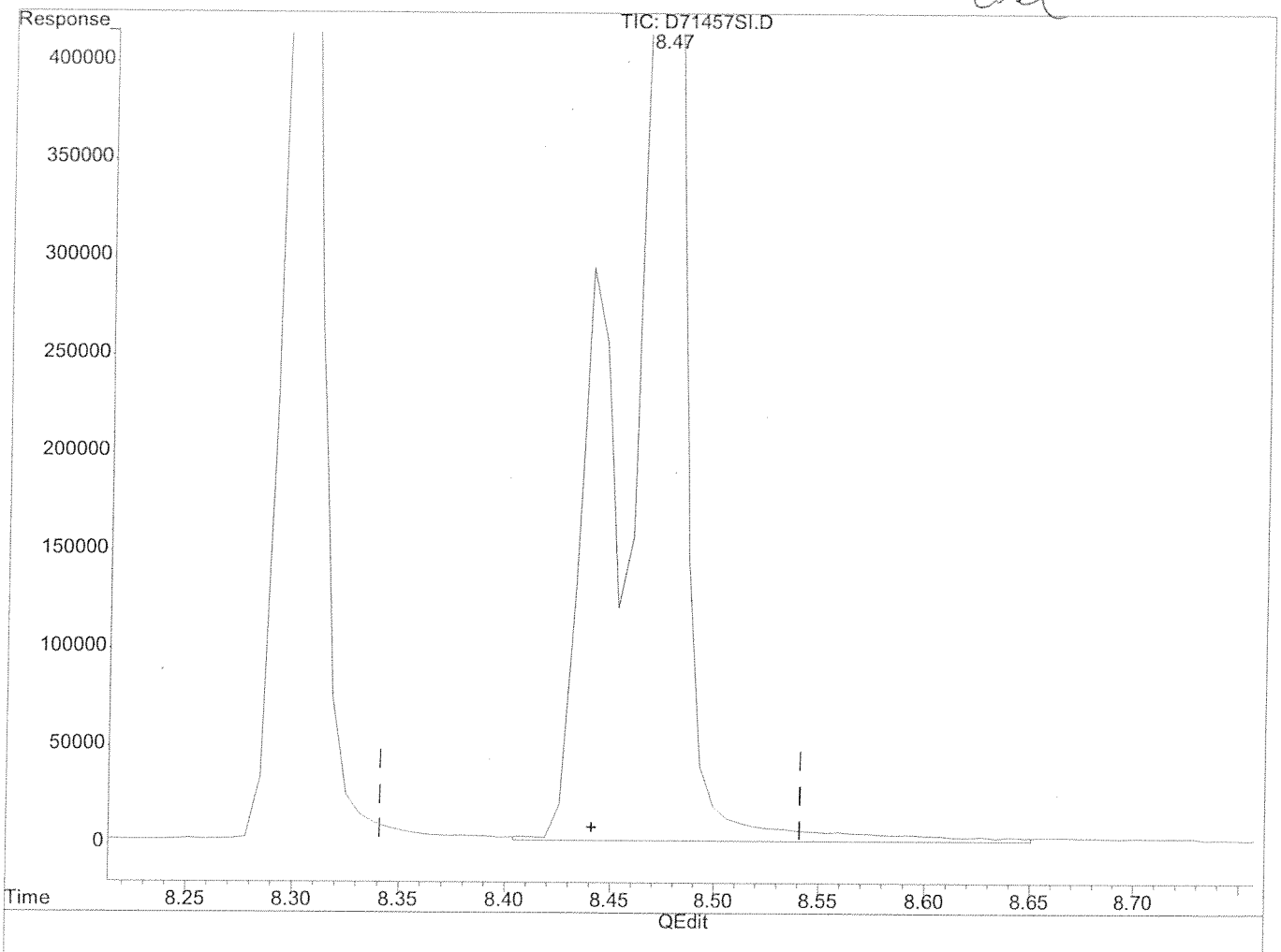
response 8560540

8/5/10

(+) = Expected Retention Time
D71457SI.D ARG80410.M Thu Aug 05 10:28:43 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D Vial: 12
Acq On : 5 Aug 2010 7:22 am Operator: AR/NP
Sample : S9937 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 5 8:29 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 08:22:05 2010 N080570
Response via : Multiple Level Calibration Cal



(10) 2-Bromonaphthalene (S)

8.48min 39.566ug/ml

response 11630549

8/5/10

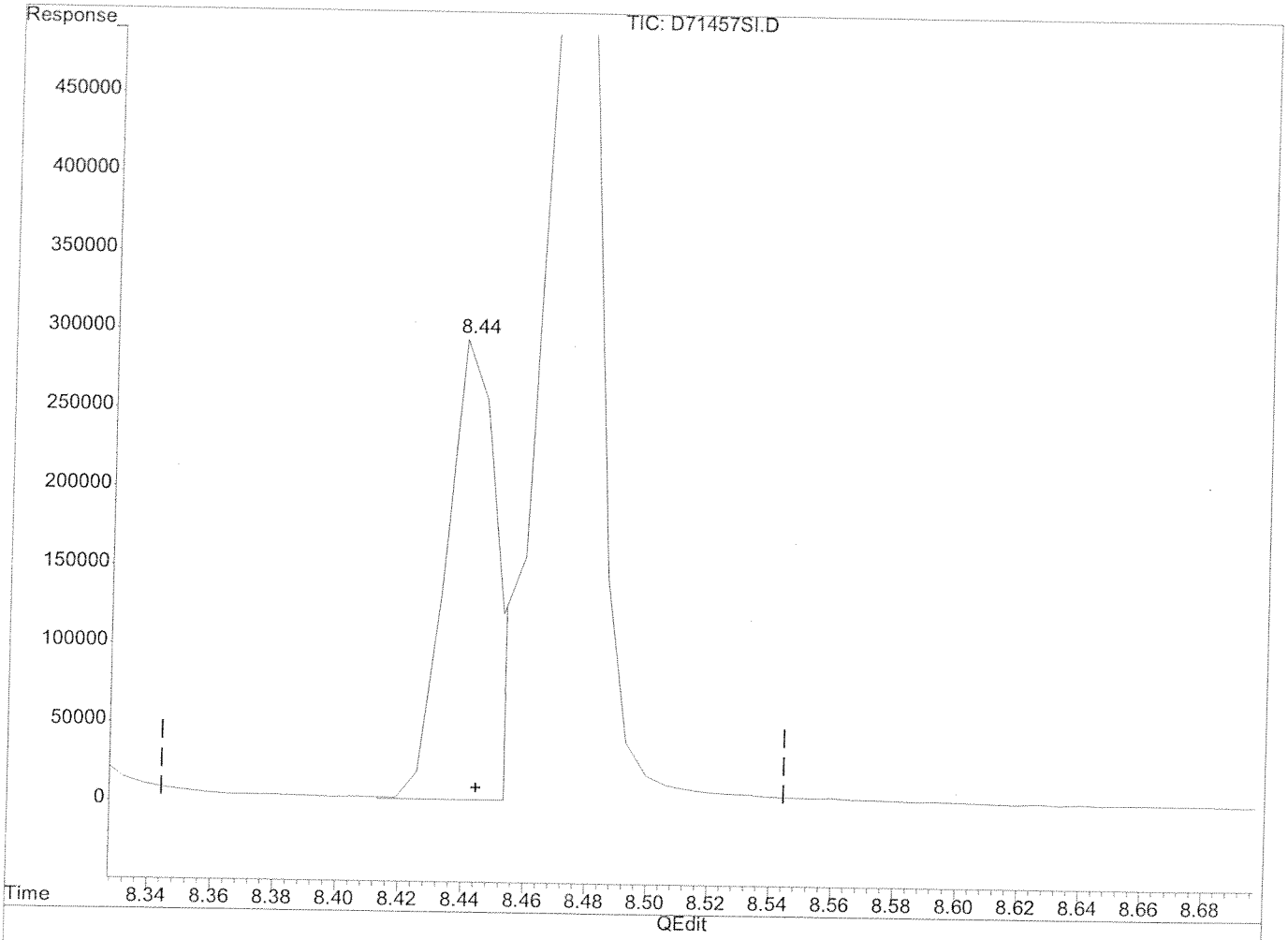
(+) = Expected Retention Time
D71457SI.D ARG80410.M Thu Aug 05 08:29:36 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D
Acq On : 5 Aug 2010 7:22 am
Sample : S9937 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:27 2010 Quant Results File: ARG80410.RES

Vial: 12
Operator: AR/NP
Inst : GC/MS In
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration

N-080510



(10) 2-Bromonaphthalene (S)

8.44min 11.999ug/ml m

response 3527170

8/5/10

(+) = Expected Retention Time
D71457SI.D ARG80410.M Thu Aug 05 10:29:03 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71458SI.D
Acq On : 5 Aug 2010 7:53 am
Sample : S9710 ARO 50
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:30 2010 Quant Results File: ARG80410.RES

Vial: 13
Operator: AR/NP
Inst : GC/MS In
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N080510

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6487126	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	9857272	29.814 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	149.07%#
10) S 2-Bromonaphthalene	8.44	7613538	29.727 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	148.64%#
11) S o-terphenyl	10.30	6147360	14.473 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	72.36%
Target Compounds			
2) TZ Naphthalene	6.71	17897687	57.868 ug/ml
3) TZ 2-Methylnaphthalene	7.41	17553877	54.110 ug/ml
4) TZ Acenaphthylene	8.31	16495003	51.005 ug/ml
5) TZ Acenaphthene	8.48	18105630	49.818 ug/ml
6) TZ Fluorene	8.99	16163969	47.855 ug/ml
7) TZ Phenanthrene	9.95	17015336	49.517 ug/ml
8) TZ Anthracene	10.00	16972907	50.680 ug/ml
12) TZ Fluoranthene	11.31	16449361	46.835 ug/ml
13) TZ Pyrene	11.64	16671040	45.748 ug/ml
14) TZ Benzo[a]anthracene	13.86	15038552	43.411 ug/ml
15) TZ Chrysene	13.94	16056267	48.884 ug/ml
16) TZ Benzo[b] fluoranthene	16.21	12488203	38.919 ug/ml
17) TZ Benzo[k] fluoranthene	16.27	13412212	38.201 ug/ml
18) TZ Benzo[a] pyrene	16.89	12188856	38.837 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.21	9830491	34.384 ug/ml
20) TZ Dibenz [a,h] anthracene	19.27	11268195	36.237 ug/ml
21) TZ Benzo(g,h,i) perylene	19.70	10556443	32.544 ug/ml
22) XH c11-c22	11.79	271709439	851.493 ug/ml

✓ 8/5/10

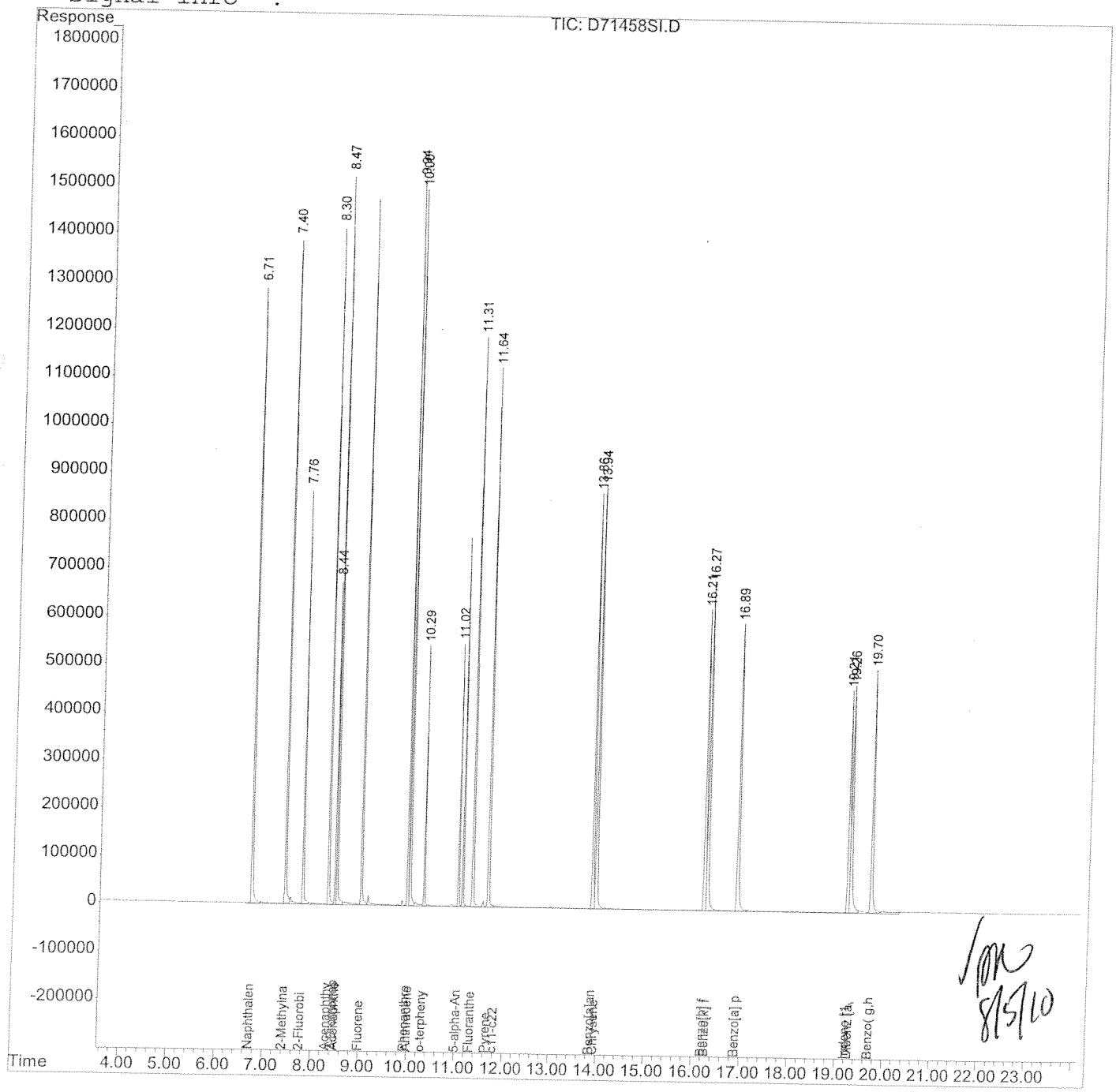
(f)=RT Delta > 1/2 Window
(m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71458SI.D
Acq On : 5 Aug 2010 7:53 am
Sample : S9710 ARO 50
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:30 2010 Quant Results File: ARG80410.RES

Vial: 13
Operator: AR/NP
Inst : GC/MS In
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Nro 8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D
Acq On : 5 Aug 2010 8:23 am
Sample : S9711 ARO 100
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:31 2010 Quant Results File: ARG80410.RES

Vial: 14
Operator: AR/NP
Inst : GC/MS In
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Nr 080510

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6270986	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.77	19802199	61.957 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	309.79%#
10) S 2-Bromonaphthalene	8.45	15496358	62.592 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	312.96%#
11) S o-terphenyl	10.30	12404922	30.212 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	151.06%#
Target Compounds			
2) TZ Naphthalene	6.72	36788869	123.048 ug/ml
3) TZ 2-Methylnaphthalene	7.41	34123453	108.812 ug/ml
4) TZ Acenaphthylene	8.31	32266565	103.212 ug/ml
5) TZ Acenaphthene	8.48	34855101	115.456 ug/ml
6) TZ Fluorene	9.00	31087340	95.210 ug/ml
7) TZ Phenanthrene	9.95	32306060	97.256 ug/ml
8) TZ Anthracene	10.00	31086329	96.021 ug/ml
12) TZ Fluoranthene	11.32	31754490	93.528 ug/ml
13) TZ Pyrene	11.65	32006396	90.858 ug/ml
14) TZ Benzo[a]anthracene	13.88	29006857	86.948 ug/ml
15) TZ Chrysene	13.96	30399774	95.744 ug/ml
16) TZ Benzo[b] fluoranthene	16.23	24525657	73.934 ug/ml
17) TZ Benzo[k] fluoranthene	16.30	25426889	72.423 ug/ml
18) TZ Benzo[a] pyrene	16.91	23972045	75.241 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.23	17614656	61.743 ug/ml
20) TZ Dibenz [a,h] anthracene	19.29	21653195	72.034 ug/ml
21) TZ Benzo(g,h,i) perylene	19.72	17926112	59.632 ug/ml
22) XH c11-c22	11.79	527012200	1708.495 ug/ml

8/5/10

(f)=RT Delta > 1/2 Window
(m)=manual int.

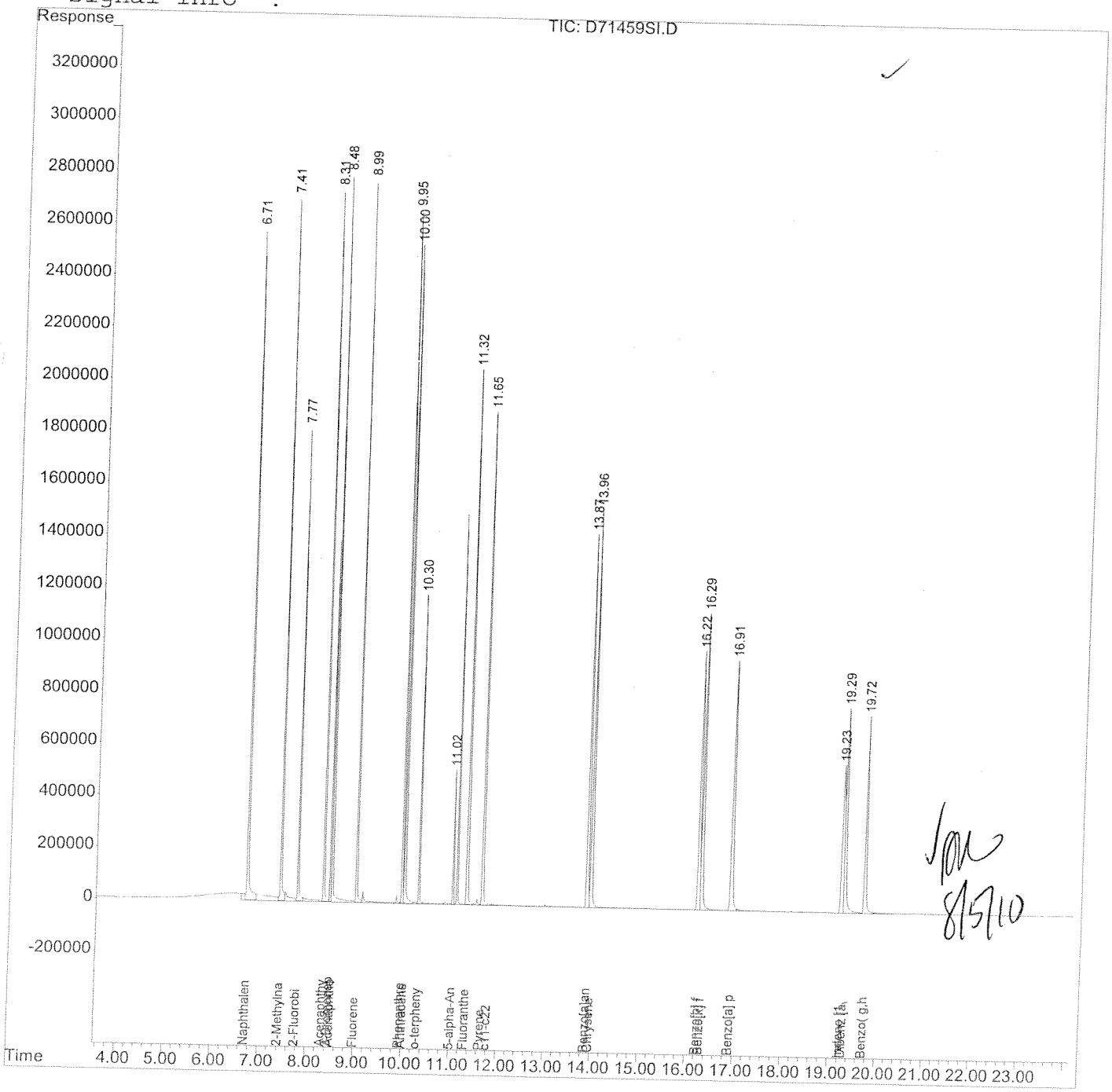
Data File : D:\HPCHEM\1\DATA\080410-D\D71459SI.D
Acq On : 5 Aug 2010 8:23 am
Sample : S9711 ARO 100
Misc :
IntFile : autoint1.e
Quant Time: Aug 5 10:31 2010 Quant Results File: ARG80410.RES

Vial: 14
Operator: AR/NP
Inst : GC/MS In
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:19:50 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NP 080510

Volume Inj. :
Signal Phase :
Signal Info :



JAN 8/5/10

GC AROMATIC 2ND SOURCE CHECK

Data File Name D71460.D
Sample Name S9716 ARO 20 ICV
Date Acquired 8/5/2010 8:53

8/6/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.60	20	108%	OK	21.60		
2-Methylnaphthalene	21.89	20	109%	OK	21.89		
Acenaphthylene	21.51	20	108%	OK	21.51		
Acenaphthene	20.46	20	102%	OK	20.46		
Fluorene	21.82	20	109%	OK	21.82		
Phenanthrene	21.50	20	108%	OK	21.50		
Anthracene	22.09	20	110%	OK	22.09		
Fluoranthene	21.39	20	107%	OK	21.39		
Pyrene	21.75	20	109%	OK	21.75		
Benzo[a]anthracene	19.96	20	100%	OK	19.96		
Chrysene	22.62	20	113%	OK	22.62		
Benzo[b] fluoranthene	19.97	20	100%	OK	19.97		
Benzo[k] fluoranthene	21.06	20	105%	OK	21.06		
Benzo[a] pyrene	22.21	20	111%	OK	22.21		
Indeno [1,2,3-cd] pyrene	20.83	20	104%	OK	20.83		
Dibenz [a,h] anthracene	23.74	20	119%	OK	23.74		
Benzo(g,h,i) perylene	22.43	20	112%	OK	22.43		
c11-c22		340			**366.84**	108%	OK

38960

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
IntFile : autoint1.e
Quant Time: Aug 6 0:49 2010 Quant Results File: ARG80410.RES

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

8/6/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	5726956	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.75	28820	<MDL ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	0.00%#
10) S 2-Bromonaphthalene	8.48	6664153	33.917 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	169.59%#
11) S o-terphenyl	10.30	5897523	21.990 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	109.95%
Target Compounds			
2) TZ Naphthalene	6.71	6663107	21.597 ug/ml
3) TZ 2-Methylnaphthalene	7.41	6534317	21.889 ug/ml
4) TZ Acenaphthylene	8.30	6071585	21.505 ug/ml
5) TZ Acenaphthene	8.48	6664153	20.458 ug/ml
6) TZ Fluorene	8.99	5972809	21.821 ug/ml
7) TZ Phenanthrene	9.95	6048852	21.505 ug/ml
8) TZ Anthracene	10.00	6308057	22.094 ug/ml
12) TZ Fluoranthene	11.31	5933223	21.390 ug/ml
13) TZ Pyrene	11.63	6194682	21.751 ug/ml
14) TZ Benzo[a]anthracene	13.85	5046598	19.965 ug/ml
15) TZ Chrysene	13.93	6019221	22.624 ug/ml
16) TZ Benzo[b] fluoranthene	16.20	4142173	19.967 ug/ml
17) TZ Benzo[k] fluoranthene	16.25	4925636	21.061 ug/ml
18) TZ Benzo[a] pyrene	16.88	4608462	22.214 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	19.19	3491958	20.832 ug/mlm
20) TZ Dibenz [a,h] anthracene	19.25	4578158	23.742 ug/mlm
21) TZ Benzo(g,h,i) perylene	19.69	4421539	22.428 ug/ml
22) XH c11-c22	11.79	99648860	399.285 ug/ml

08960

(f)=RT Delta > 1/2 Window (m)=manual int.

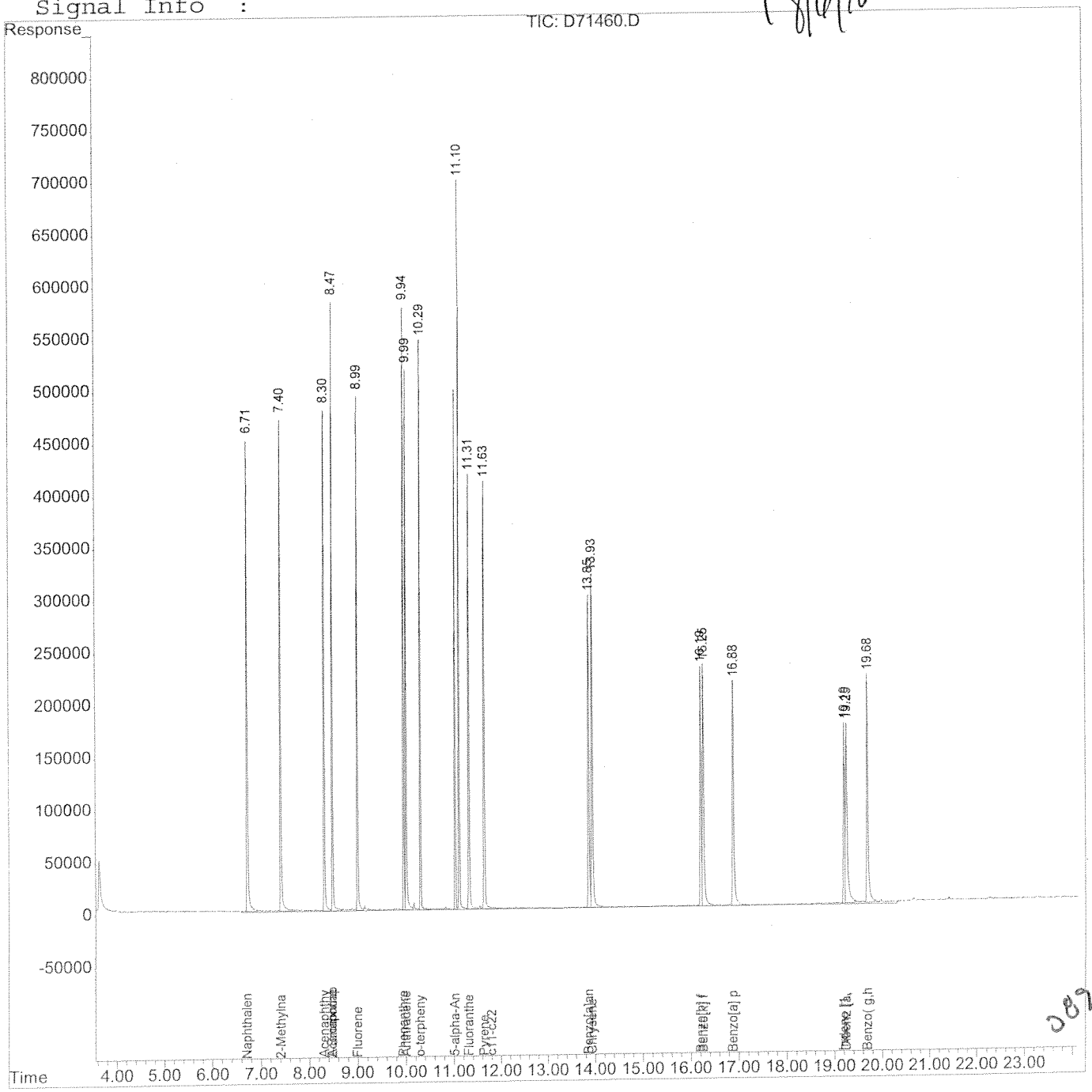
Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
IntFile : autoint1.e
Quant Time: Aug 6 0:49 2010 Quant Results File: ARG80410.RES

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

8/6/10



D8/10

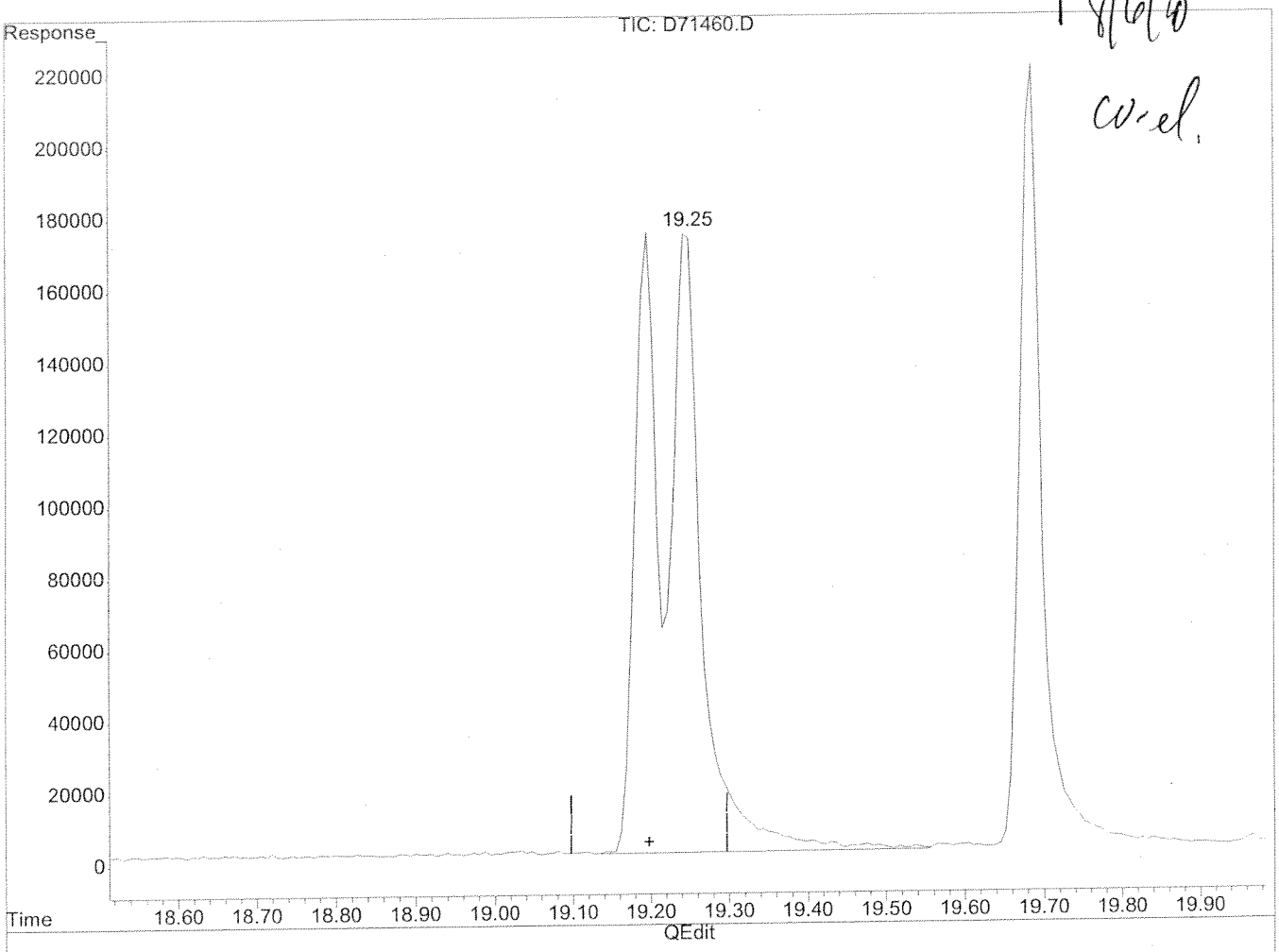
D71460.D ARG80410.M Fri Aug 06 00:49:21 2010 Page 2

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
IntFile : autoint1.e
Quant Time: Aug 6 0:46 2010 Quant Results File: ARG80410.RES

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Multiple Level Calibration

8/6/10
cv-el.



(19) Indeno [1,2,3-cd] pyrene (TZ)

19.25min 46.749ug/ml

response 7990386

58960

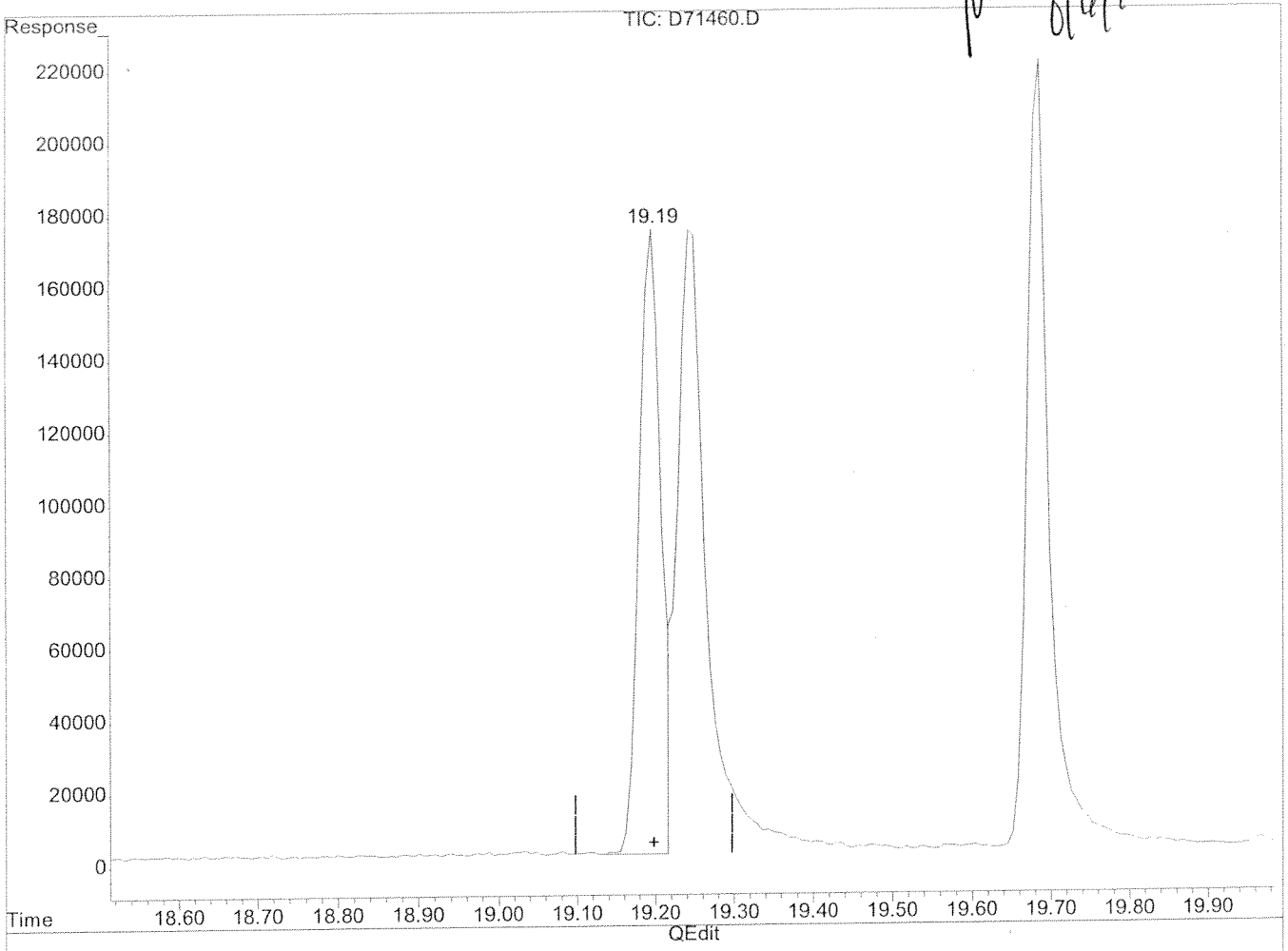
(+) = Expected Retention Time
D71460.D ARG80410.M Fri Aug 06 00:46:51 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
IntFile : autoint1.e
Quant Time: Aug 6 0:46 2010 Quant Results File: ARG80410.RES

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Multiple Level Calibration

8/6/10



(19) Indeno [1,2,3-cd] pyrene (TZ)

19.19min 20.832ug/ml m

response 3491958

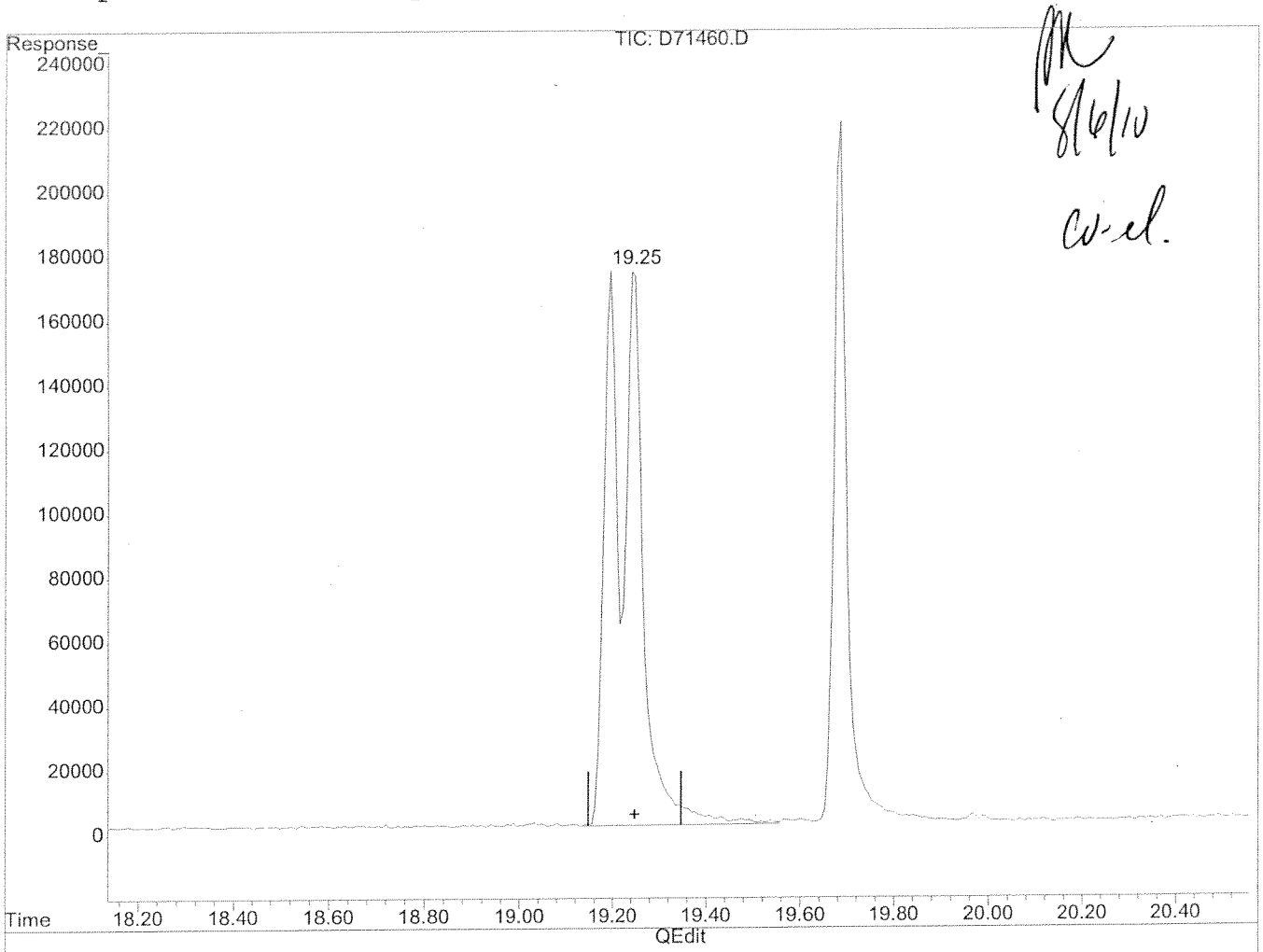
080910

(+) = Expected Retention Time
D71460.D ARG80410.M Fri Aug 06 00:47:08 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D
Acq On : 5 Aug 2010 8:53 am
Sample : S9716 ARO 20 ICV
Misc :
IntFile : autointl.e
Quant Time: Aug 6 0:46 2010 Quant Results File: ARG80410.RES

Vial: 15
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Multiple Level Calibration



8/6/10
co-el.

(20) Dibenz [a,h] anthracene (TZ)

19.25min 41.438ug/ml

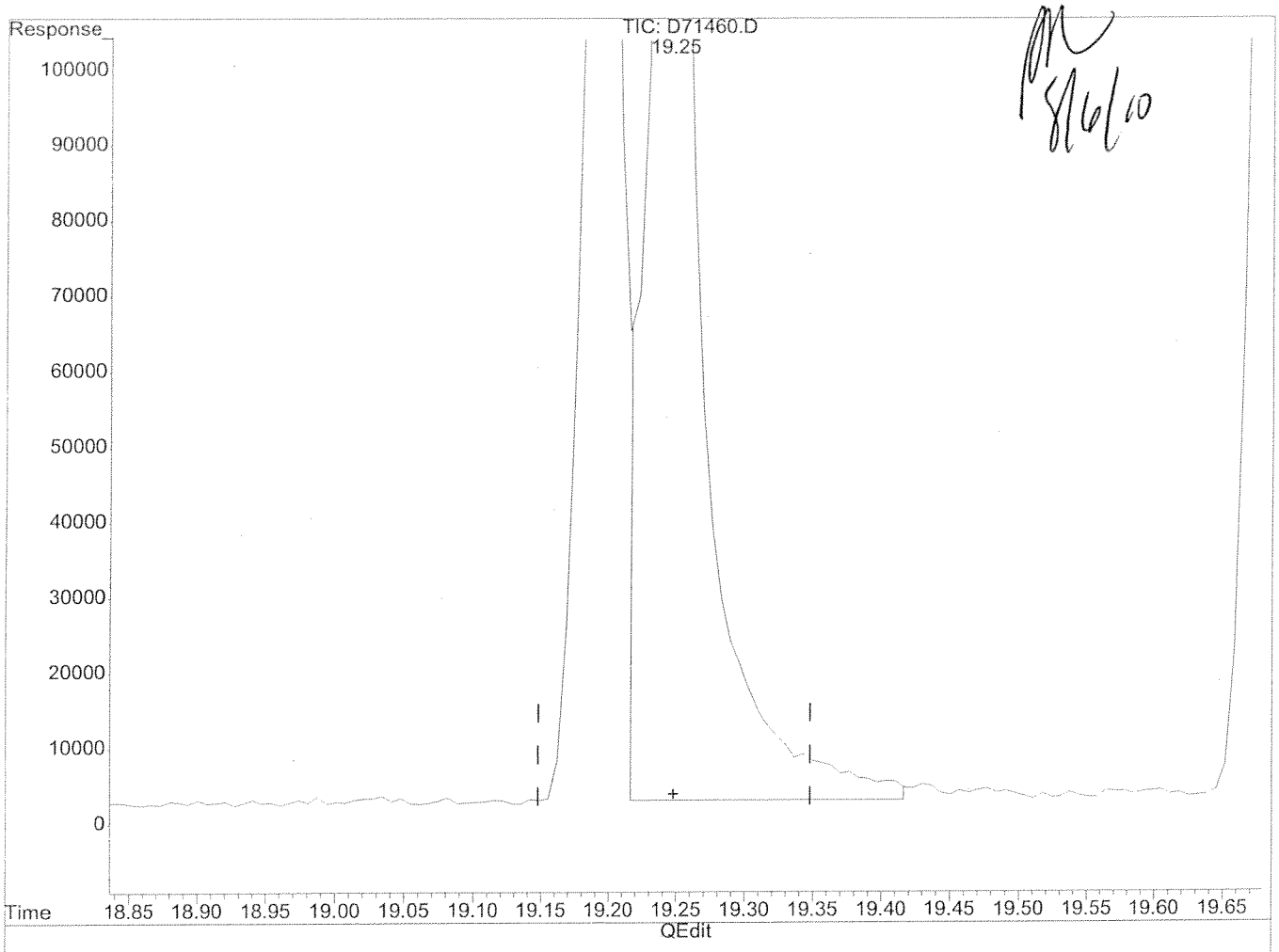
response 7990386

080910

(+) = Expected Retention Time
D71460.D ARG80410.M Fri Aug 06 00:47:12 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71460.D Vial: 15
Acq On : 5 Aug 2010 8:53 am Operator: AR/NP
Sample : S9716 ARO 20 ICV Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Aug 6 0:47 2010 Quant Results File: ARG80410.RES

Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Aug 05 10:32:35 2010
Response via : Multiple Level Calibration



8/6/10

(20) Dibenz [a,h] anthracene (TZ)

19.25min 23.742ug/ml m

response 4578158

b 8/6/10

(+) = Expected Retention Time
D71460.D ARG80410.M Fri Aug 06 00:49:14 2010

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71640SC.D

9/13/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.9	2.4	
C-10	41.2	3.1	
C-12	37.6	5.9	
C-14	37.5	6.3	
C-16	38.7	3.3	
C-18	38.4	3.9	
C-19	37.9	5.3	
C-20	38.2	4.6	
1-Chlorooctadecane	15.6	2.4	
C-22	38.2	4.4	
C-24	37.6	6.1	
C-26	38.4	4.1	
C-28	38.8	3.0	
C-30	41.0	2.6	
C-36	42.8	7.0	

C9-C18 Aliphatics	234.5	2.3	
C19-C36 Aliphatics	312.8	2.2	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

39410

EPH ALI FORM 7

Data File : D:\HPCHEM\1\DATA\091310-D\D71640SC.D
Acq On : 13 Sep 2010 9:36 pm
Sample : S10042 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Sep 13 22:00 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/13/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	6518677	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	6245529	15.613 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	78.06%
Target Compounds			
2) TZM C-9	4.02	16575258	40.949 ug/ml
3) TZM C-10	5.01	17073634	41.246 ug/ml
4) TZM C-12	6.49	16734145	37.644 ug/ml
5) TZM C-14	7.67	17094406	37.494 ug/ml
6) TZM C-16	8.69	17031233	38.698 ug/ml
7) TZM C-18	9.60	16821586	38.427 ug/ml
8) XH C9-C18	7.38	109484076	252.942 ug/ml
9) TZM C-19	10.03	16400551	37.876 ug/ml
10) TZM C-20	10.45	16191858	38.156 ug/ml
12) TZM C-22	11.43	16078227	38.246 ug/ml
13) TZM C-24	12.71	15160315	37.572 ug/ml
14) TZM C-26	14.18	14334378	38.354 ug/ml
15) TZM C-28	15.71	12731087	38.820 ug/ml
16) TZM C-30	17.22	12113845	41.027 ug/ml
17) TZM C-36	21.26	10123198	42.792 ug/ml
18) XH C19-C36	11.90	124466480	346.570 ug/ml

S91410

(f)=RT Delta > 1/2 Window (m)=manual int.

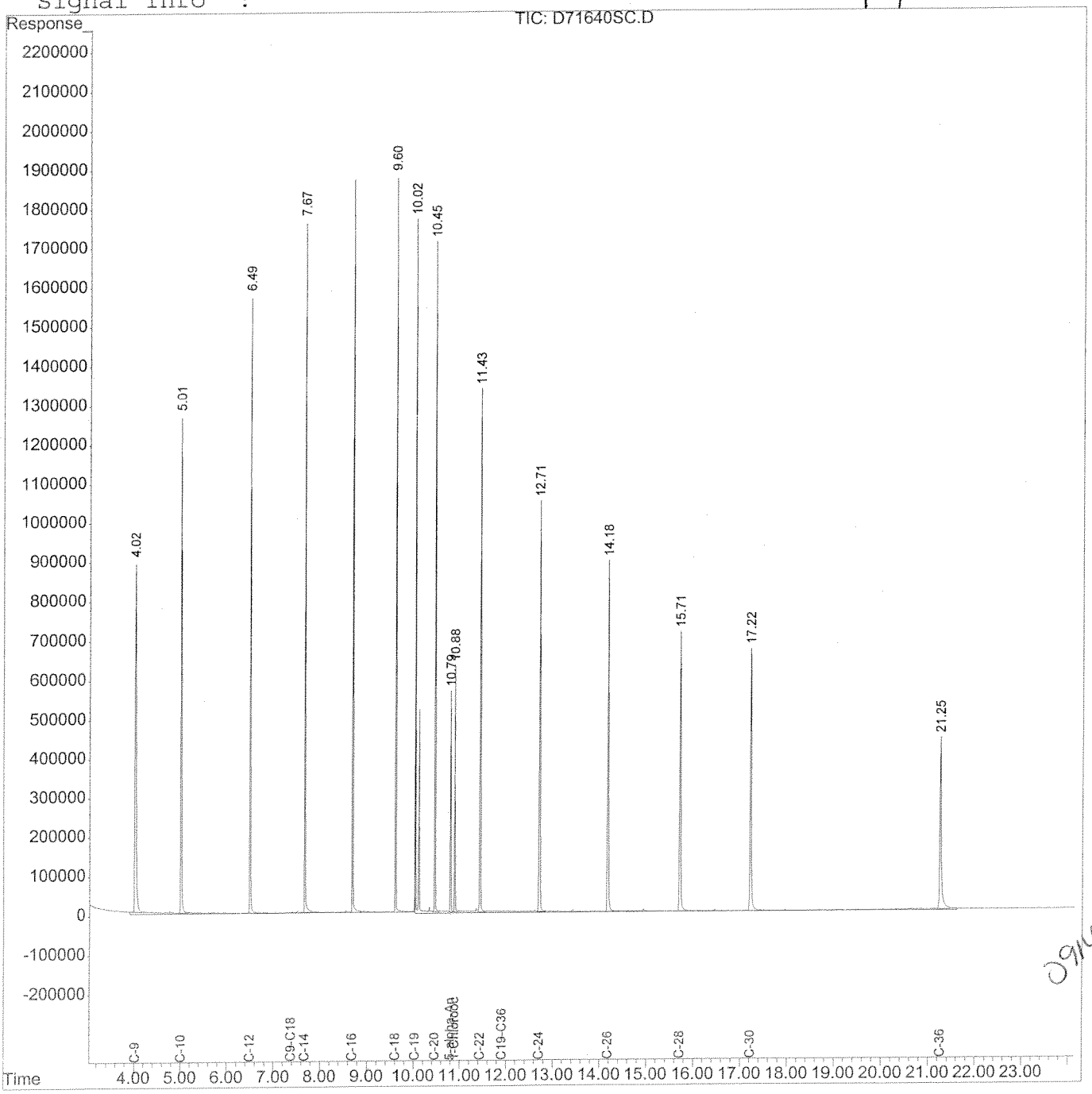
Data File : D:\HPCHEM\1\DATA\091310-D\D71640SC.D
Acq On : 13 Sep 2010 9:36 pm
Sample : S10042 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Sep 13 22:00 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV
9/13/10



091410

EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

MC 9/13/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: D71641SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.4	2.2	
2-Methylnaphthalene	20.3	1.6	
Acenaphthylene	20.8	4.0	
Acenaphthene	20.3	1.7	
Fluorene	20.8	4.0	
Phenanthrene	21.2	6.2	
Anthracene	20.6	3.0	
2-Fluorobiphenyl	12.6	5.1	
2-Bromonaphthalene	12.8	6.5	
o-terphenyl	8.8	10.3	
Fluoranthene	21.7	8.4	
Pyrene	21.5	7.7	
Benzo[a]anthracene	21.7	8.3	
Chrysene	20.4	2.0	
Benzo[b] fluoranthene	21.2	6.0	
Benzo[k] fluoranthene	21.3	6.5	
Benzo[a] pyrene	21.1	5.7	
Indeno [1,2,3-cd] pyrene	21.7	8.7	
Dibenz [a,h] anthracene	21.6	7.8	
Benzo(g,h,i) perylene	21.6	8.1	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

J91410

EPH ARO FORM 7

Data File : D:\HPCHEM\1\DATA\091310-D\D71641SC.D
Acq On : 13 Sep 2010 10:06 pm
Sample : S10041 ARO 20
Misc :
MS Integration Params: RTEINT.P
Quant Time: Sep 13 22:31 2010

Vial: 3
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/13/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	39853	20.00	ug/ml	-0.01

System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.59	172	132920	12.61	ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 63.05%			
10) 2-Bromonaphthalene	8.26	206	55828	12.78	ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 63.90%			
11) o-terphenyl	10.10	230	54470	8.82	ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 44.10%			

Target Compounds						Qvalue
2) Naphthalene	6.53	128	328553	20.43	ug/ml	100
3) 2-Methylnaphthalene	7.22	141	178105	20.33	ug/ml	99
4) Acenaphthylene	8.12	152	314880	20.81	ug/ml	100
5) Acenaphthene	8.29	154	171737	20.34	ug/ml	99
6) Fluorene	8.81	166	204159	20.81	ug/ml	100
7) Phenanthrene	9.76	178	280837	21.24	ug/ml	99
8) Anthracene	9.81	178	283315	20.59	ug/ml	99
12) Fluoranthene	11.07	202	298260	21.67	ug/ml	98
13) Pyrene	11.37	202	304368	21.53	ug/ml	98
14) Benzo[a]anthracene	13.52	228	235186	21.66	ug/ml	98
15) Chrysene	13.60	228	233969	20.41	ug/ml	99
16) Benzo[b] fluoranthene	15.84	252	202487	21.19	ug/ml	99
17) Benzo[k] fluoranthene	15.90	252	207585	21.29	ug/ml	99
18) Benzo[a] pyrene	16.52	252	189590	21.15	ug/ml	98
19) Indeno [1,2,3-cd] pyrene	18.81	276	157410	21.75	ug/ml	95
20) Dibenz [a,h] anthracene	18.86	278	159254	21.55	ug/ml	98
21) Benzo(g,h,i) perylene	19.31	276	173723	21.63	ug/ml	97

S91410

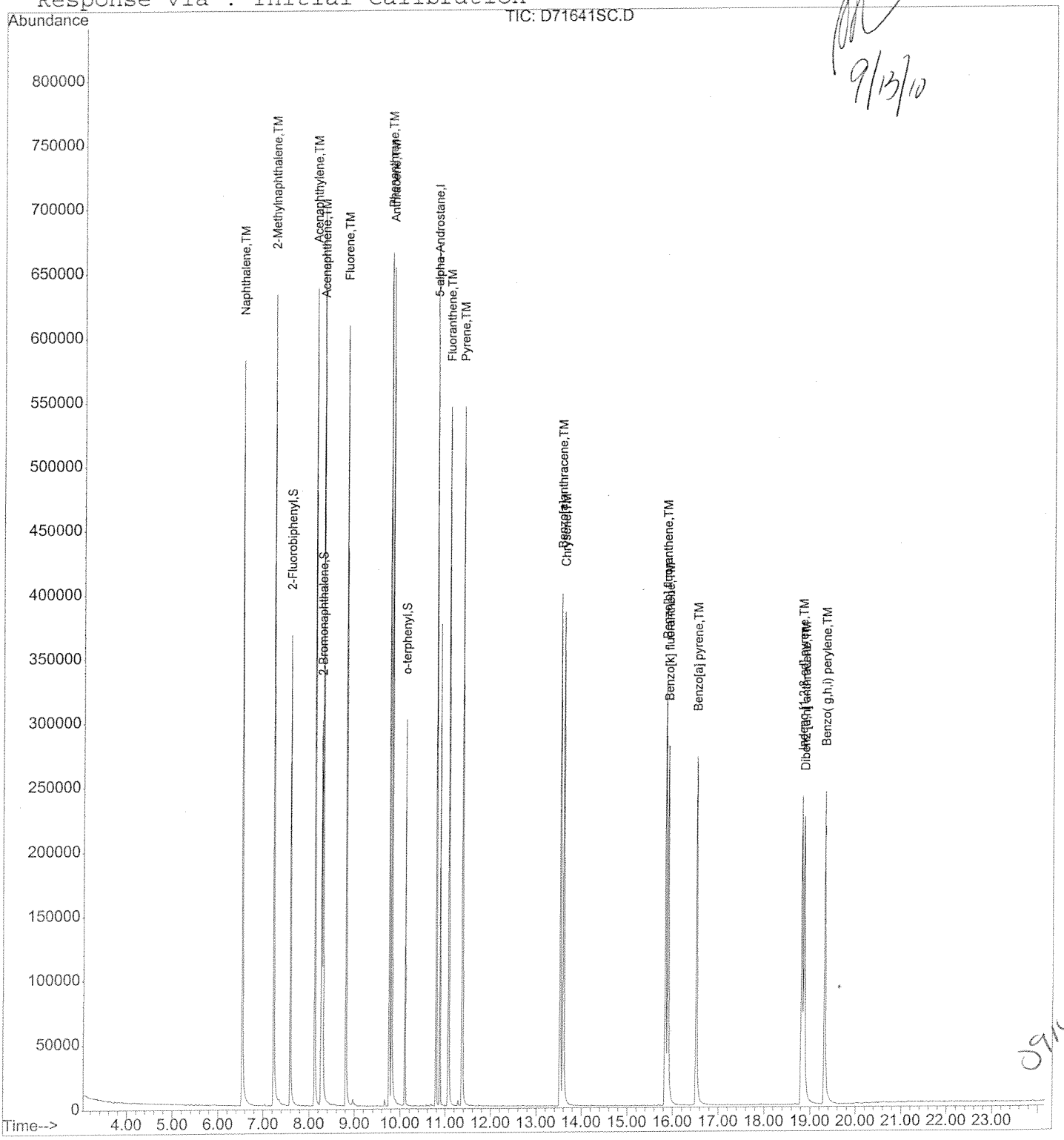
(#) = qualifier out of range (m) = manual integration
D71641SC.D ARM80410.M Mon Sep 13 22:31:52 2010

Data File : D:\HPCHEM\1\DATA\091310-D\D71641SC.D
Acq On : 13 Sep 2010 10:06 pm
Sample : S10041 ARO 20
Misc :
MS Integration Params: RTEINT.P
Quant Time: Sep 13 22:31 2010

Vial: 3
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration

9/13/10



091410

D71641SC.D ARM80410.M Mon Sep 13 22:31:53 2010 Page 2

9/13/10

GC AROMATIC CONT CALIBRATION CHECK

Data File Name D71641SC.D
Sample Name S10041 ARO 20
Date Acquired 9/13/2010 10:06

Name	Amount	UG/L EXPECTED	% DIFFERENCE	LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	19.66	20	2	20	OK	19.66		
2-Methylnaphthalene	20.06	20	0	20	OK	20.06		
Acenaphthylene	20.40	20	2	20	OK	20.40		
Acenaphthene	19.64	20	2	20	OK	19.64		
Fluorene	20.27	20	1	20	OK	20.27		
Phenanthrene	20.58	20	3	20	OK	20.58		
Anthracene	20.35	20	2	20	OK	20.35		
Fluoranthene	21.03	20	5	20	OK	21.03		
Pyrene	21.06	20	5	20	OK	21.06		
Benzo[a]anthracene	19.28	20	4	20	OK	19.28		
Chrysene	19.89	20	1	20	OK	19.89		
Benzo[b] fluoranthene	20.56	20	3	20	OK	20.56		
Benzo[k] fluoranthene	19.20	20	4	20	OK	19.20		
Benzo[a] pyrene	19.67	20	2	20	OK	19.67		
Indeno [1,2,3-cd] pyrene	20.41	20	2	20	OK	20.41		
Dibenz [a,h] anthracene	20.85	20	4	20	OK	20.85		
Benzo(g,h,i) perylene	20.32	20	2	20	OK	20.32		
c11-c22		340				**343.22**	101%	OK

9/14/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091310-D\D71641SC.D Vial: 3
Acq On : 13 Sep 2010 10:06 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 13 23:44 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/13/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	7455319	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	4423408	12.024 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	60.12%
10) S 2-Bromonaphthalene	8.26	3274508	12.802 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.01%
11) S o-terphenyl	10.10	2899624	8.305 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	41.52%
Target Compounds			
2) TZ Naphthalene	6.53	7895657	19.659 ug/ml
3) TZ 2-Methylnaphthalene	7.23	7797377	20.065 ug/ml
4) TZ Acenaphthylene	8.12	7499420	20.405 ug/ml
5) TZ Acenaphthene	8.29	8335671	19.637 ug/ml
6) TZ Fluorene	8.81	7223235	20.272 ug/ml
7) TZ Phenanthrene	9.76	7534988	20.578 ug/ml
8) TZ Anthracene	9.81	7562272	20.347 ug/ml
12) TZ Fluoranthene	11.07	7592959	21.027 ug/ml
13) TZ Pyrene	11.37	7806017	21.055 ug/ml
14) TZ Benzo[a]anthracene	13.53	6331778	19.285 ug/ml
15) TZ Chrysene	13.60	6887300	19.885 ug/ml
16) TZ Benzo[b] fluoranthene	15.84	5564479	20.561 ug/ml
17) TZ Benzo[k] fluoranthene	15.90	5831225	19.200 ug/ml
18) TZ Benzo[a] pyrene	16.52	5275452	19.666 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.81	4445439	20.405 ug/ml
20) TZ Dibenz [a,h] anthracene	18.87	5234475	20.853 ug/ml
21) TZ Benzo(g,h,i) perylene	19.32	5221134	20.318 ug/ml
22) XH c11-c22	11.73	119869553	368.958 ug/ml

D91410

(f)=RT Delta > 1/2 Window (m)=manual int.

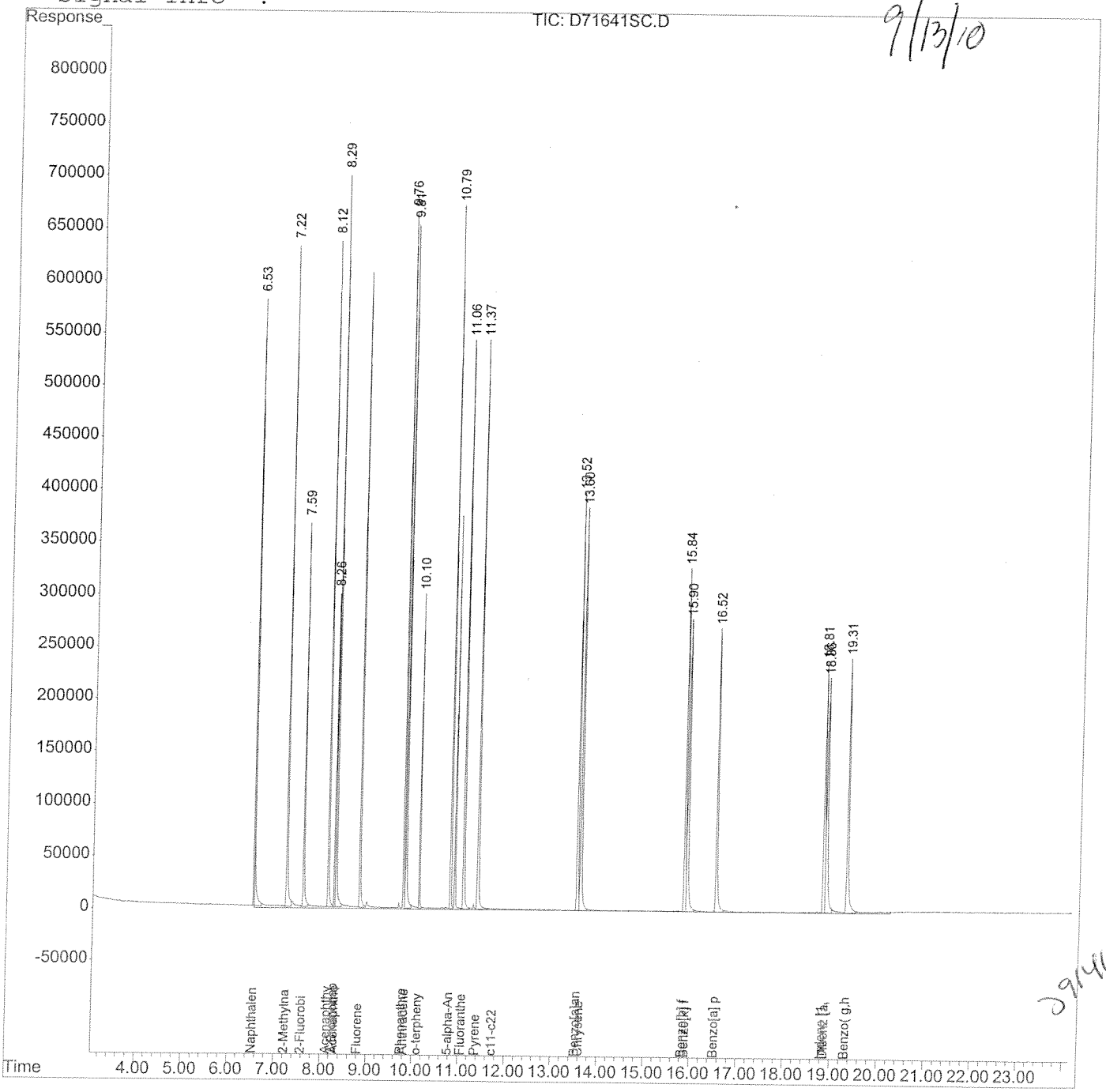
Data File : D:\HPCHEM\1\DATA\091310-D\D71641SC.D
Acq On : 13 Sep 2010 10:06 pm
Sample : S10041 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Sep 13 23:44 2010 Quant Results File: ARG80410.RES

Vial: 3
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/13/10



D91410

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

9/14/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71651SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	41.5	3.9	
C-10	40.9	2.3	
C-12	39.1	2.2	
C-14	38.0	5.0	
C-16	38.8	3.1	
C-18	38.5	3.9	
C-19	36.4	8.9	
C-20	37.6	6.0	
1-Chlorooctadecane	15.7	2.1	
C-22	38.0	5.1	
C-24	37.0	7.4	
C-26	36.3	9.3	
C-28	39.3	1.9	
C-30	39.2	2.0	
C-36	44.7	11.7	

C9-C18 Aliphatics	236.8	1.3	
C19-C36 Aliphatics	308.4	3.6	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 09-14-10

EPH ALI FORM 7

Data File : D:\HPCHEM\1\DATA\091310-D\D71651SC.D
Acq On : 14 Sep 2010 3:15 am
Sample : S10042 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Sep 14 3:51 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/14/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	7003517	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	6733202	15.666 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	78.33%
Target Compounds			
2) TZM C-9	4.03	18065679	41.542 ug/ml
3) TZM C-10	5.02	18195822	40.914 ug/ml
4) TZM C-12	6.49	18692481	39.138 ug/ml
5) TZM C-14	7.67	18617751	38.008 ug/ml
6) TZM C-16	8.69	18334120	38.775 ug/ml
7) TZM C-18	9.60	18084501	38.452 ug/ml
8) XH C9-C18	7.38	119145881	256.208 ug/ml
9) TZM C-19	10.03	16945139	36.425 ug/ml
10) TZM C-20	10.45	17142973	37.601 ug/ml
12) TZM C-22	11.43	17146636	37.964 ug/ml
13) TZM C-24	12.71	16053165	37.030 ug/ml
14) TZM C-26	14.18	14570887	36.288 ug/ml
15) TZM C-28	15.71	13829917	39.251 ug/ml
16) TZM C-30	17.22	12433231	39.194 ug/ml
17) TZM C-36	21.26	11450902	44.681 ug/ml
18) XH C19-C36	11.90	132887716	344.403 ug/ml

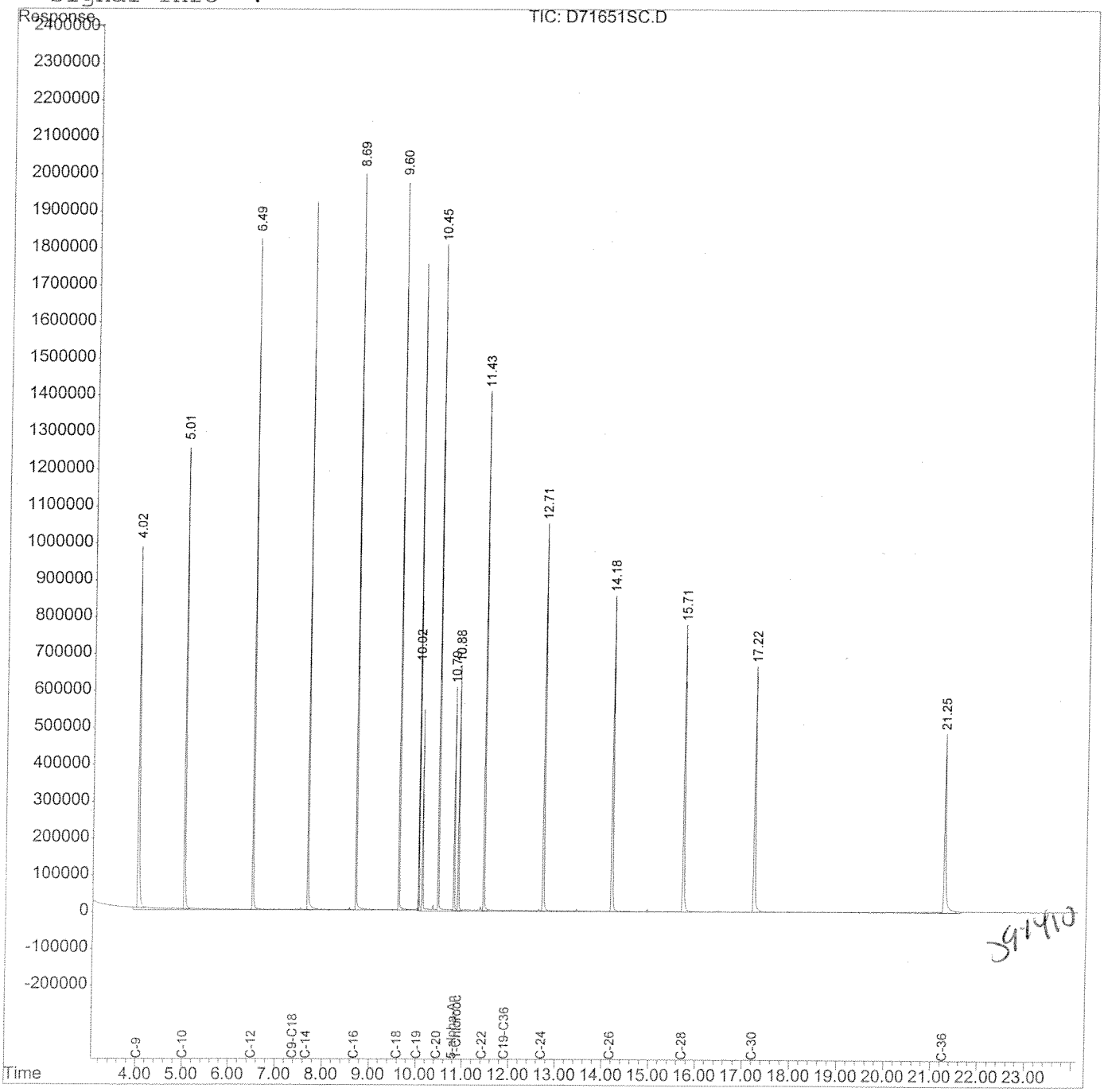
9-14-10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\091310-D\D71651SC.D Vial: 2
Acq On : 14 Sep 2010 3:15 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 14 3:51 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



D71651SC.D ALG80410.M Tue Sep 14 05:50:58 2010 Page 2

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

9/14/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: D71652SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.6	8.0	
2-Methylnaphthalene	21.8	8.8	
Acenaphthylene	21.5	7.4	
Acenaphthene	21.2	5.9	
Fluorene	21.6	7.8	
Phenanthrene	22.3	11.5	
Anthracene	22.4	11.8	
2-Fluorobiphenyl	13.2	10.3	
2-Bromonaphthalene	13.8	15.2	
o-terphenyl	9.3	15.8	
Fluoranthene	22.1	10.4	
Pyrene	22.7	13.4	
Benzo[a]anthracene	22.6	13.0	
Chrysene	21.3	6.4	
Benzo[b] fluoranthene	21.9	9.3	
Benzo[k] fluoranthene	22.4	12.1	
Benzo[a] pyrene	22.0	10.2	
Indeno [1,2,3-cd] pyrene	22.9	14.6	
Dibenz [a,h] anthracene	22.4	12.0	
Benzo(g,h,i) perylene	23.0	15.0	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 09/14/10

EPH ARO FORM 7

Data File : D:\HPCHEM\1\DATA\091310-D\D71652SC.D Vial: 3
Acq On : 14 Sep 2010 3:45 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 5:35 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/14/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	40977	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.59	172	143466	13.24	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 66.20%			
10) 2-Bromonaphthalene	8.26	206	62082	13.83	ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 69.15%			
11) o-terphenyl	10.11	230	58802	9.26	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 46.30%			

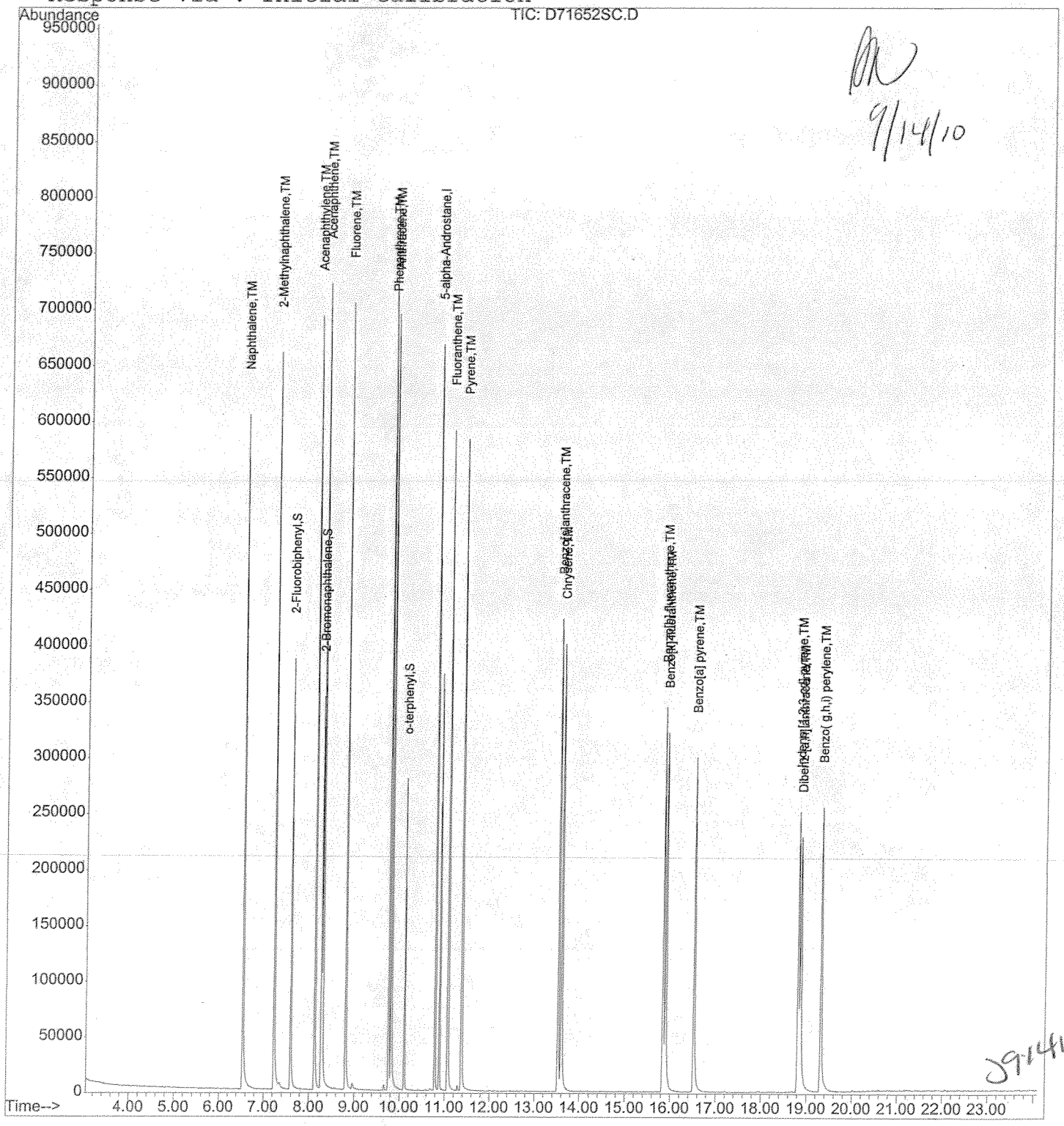
Target Compounds						Qvalue
2) Naphthalene	6.53	128	356954	21.59	ug/ml	100
3) 2-Methylnaphthalene	7.23	141	196000	21.75	ug/ml	99
4) Acenaphthylene	8.12	152	334074	21.47	ug/ml	100
5) Acenaphthene	8.29	154	183836	21.17	ug/ml	100
6) Fluorene	8.80	166	217575	21.57	ug/ml	100
7) Phenanthrene	9.76	178	303068	22.29	ug/ml	99
8) Anthracene	9.81	178	316467	22.37	ug/ml	99
12) Fluoranthene	11.07	202	312523	22.08	ug/ml	98
13) Pyrene	11.37	202	329603	22.68	ug/ml	98
14) Benzo[a]anthracene	13.52	228	252373	22.61	ug/ml	98
15) Chrysene	13.60	228	250909	21.29	ug/ml	100
16) Benzo[b] fluoranthene	15.84	252	215355	21.87	ug/ml	100
17) Benzo[k] fluoranthene	15.90	252	224741	22.42	ug/ml	100
18) Benzo[a] pyrene	16.52	252	203796	22.05	ug/ml	98
19) Indeno [1,2,3-cd] pyrene	18.82	276	171304	22.93	ug/ml	95
20) Dibenz [a,h] anthracene	18.87	278	170540	22.40	ug/ml	99
21) Benzo(g,h,i) perylene	19.32	276	189778	23.00	ug/ml	98

9/14/10

(#) = qualifier out of range (m) = manual integration
D71652SC.D ARM80410.M Tue Sep 14 05:35:17 2010 Page 1

Data File : D:\HPCHEM\1\DATA\091310-D\D71652SC.D Vial: 3
Acq On : 14 Sep 2010 3:45 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 5:35 2010 Quant Results File: ARM80410.RE

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/14/10

J91410

D71652SC.D ARM80410.M Tue Sep 14 05:35:18 2010 Page 2

MK 9/14/10

GC AROMATIC CLOSING CONT CALIBRATION CHECK

Data File Name D71652SC.D
Sample Name S10041 ARO 20
Date Acquired 9/14/2010 3:45

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.53	20	3	20	OK	20.53		
2-Methylnaphthalene	21.10	20	5	20	OK	21.10		
Acenaphthylene	20.66	20	3	20	OK	20.66		
Acenaphthene	20.22	20	1	20	OK	20.22		
Fluorene	20.86	20	4	20	OK	20.86		
Phenanthrene	21.41	20	7	20	OK	21.41		
Anthracene	21.89	20	9	20	OK	21.89		
Fluoranthene	21.09	20	5	20	OK	21.09		
Pyrene	21.74	20	9	20	OK	21.74		
Benzo[a]anthracene	20.04	20	0	20	OK	20.04		
Chrysene	20.54	20	3	20	OK	20.54		
Benzo[b] fluoranthene	20.90	20	4	20	OK	20.90		
Benzo[k] fluoranthene	20.37	20	2	20	OK	20.37		
Benzo[a] pyrene	20.51	20	3	20	OK	20.51		
Indeno [1,2,3-cd] pyrene	21.10	20	5	20	OK	21.10		
Dibenz [a,h] anthracene	21.87	20	9	20	OK	21.87		
Benzo(g,h,i) perylene	21.39	20	7	20	OK	21.39		
c11-c22		340				**356.21**	105%	OK

9/14/10

9/14/10 5:50 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ARGPT3SUMPRCTCLOS.CRT

Data File : D:\HPCHEM\1\DATA\091310-D\D71652SC.D Vial: 3
Acq On : 14 Sep 2010 3:45 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 14 5:49 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/14/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	7737545	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	4685058	12.271 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	61.36%
10) S 2-Bromonaphthalene	8.26	3584502	13.503 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	67.52%
11) S o-terphenyl	10.11	3136386	8.656 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	43.28%
Target Compounds			
2) TZ Naphthalene	6.53	8557651	20.530 ug/ml
3) TZ 2-Methylnaphthalene	7.23	8509077	21.098 ug/ml
4) TZ Acenaphthylene	8.12	7882002	20.663 ug/ml
5) TZ Acenaphthene	8.30	8903430	20.225 ug/ml
6) TZ Fluorene	8.81	7713501	20.858 ug/ml
7) TZ Phenanthrene	9.76	8135282	21.407 ug/ml
8) TZ Anthracene	9.81	8443154	21.888 ug/ml
12) TZ Fluoranthene	11.07	7905514	21.094 ug/ml
13) TZ Pyrene	11.38	8365410	21.741 ug/ml
14) TZ Benzo[a]anthracene	13.53	6846778	20.043 ug/ml
15) TZ Chrysene	13.60	7382478	20.538 ug/ml
16) TZ Benzo[b] fluoranthene	15.84	5876336	20.898 ug/ml
17) TZ Benzo[k] fluoranthene	15.90	6430601	20.368 ug/ml
18) TZ Benzo[a] pyrene	16.52	5723298	20.508 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.82	4783141	21.100 ug/ml
20) TZ Dibenz [a,h] anthracene	18.87	5697212	21.868 ug/ml
21) TZ Benzo(g,h,i) perylene	19.32	5700461	21.386 ug/ml
22) XH c11-c22	11.73	130372508	386.649 ug/ml

9/14/10

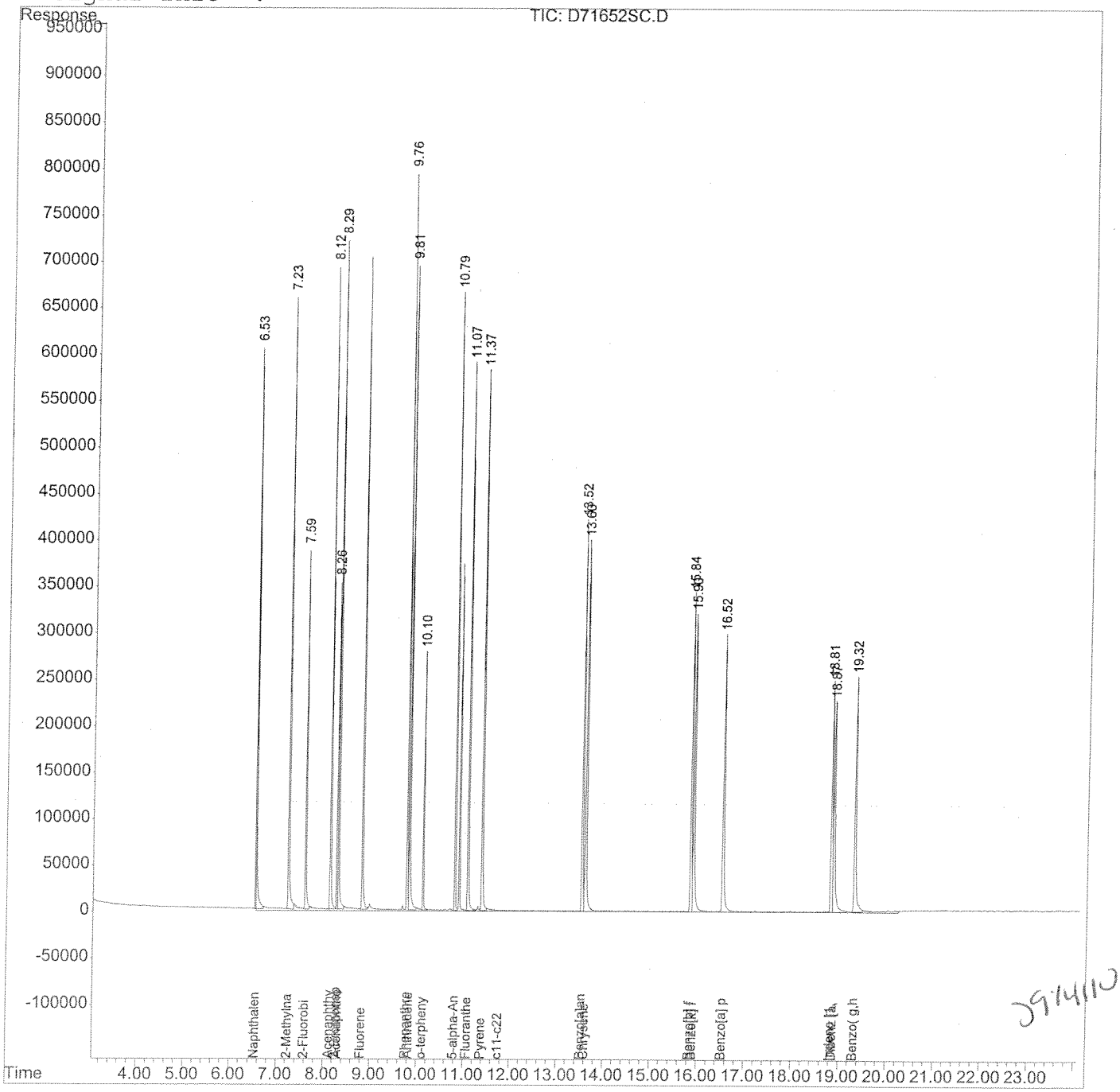
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\091310-D\D71652SC.D Vial: 3
Acq On : 14 Sep 2010 3:45 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 14 5:49 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/14/10



9/14/10

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

J 9.14.10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71654SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	39.8	0.6	
C-10	40.9	2.2	
C-12	37.7	5.6	
C-14	36.7	8.4	
C-16	37.9	5.3	
C-18	37.3	6.7	
C-19	36.5	8.9	
C-20	37.3	6.9	
1-Chlorooctadecane	15.9	0.5	
C-22	35.6	11.1	
C-24	36.4	8.9	
C-26	38.3	4.4	
C-28	39.5	1.1	
C-30	38.9	2.8	
C-36	43.1	7.6	

C9-C18 Aliphatics	230.3	4.1	
C19-C36 Aliphatics	305.5	4.5	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/15/10

EPH ALI FORM 7

Data File : D:\HPCHEM\1\DATA\091310-D\D71654SC.D Vial: 2
Acq On : 14 Sep 2010 4:45 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 14 9:32 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/15/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	6947166	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	6785536	15.916 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.58%
Target Compounds			
2) TZM C-9	4.03	17157295	39.773 ug/ml
3) TZM C-10	5.02	18036351	40.884 ug/ml
4) TZM C-12	6.49	17883356	37.747 ug/ml
5) TZM C-14	7.67	17809205	36.652 ug/ml
6) TZM C-16	8.69	17759400	37.864 ug/ml
7) TZM C-18	9.60	17417536	37.335 ug/ml
8) XH C9-C18	7.38	115453633	250.282 ug/ml
9) TZM C-19	10.03	16824219	36.458 ug/ml
10) TZM C-20	10.45	16846544	37.250 ug/ml
12) TZM C-22	11.43	15934364	35.566 ug/ml
13) TZM C-24	12.71	15671285	36.443 ug/ml
14) TZM C-26	14.18	15238438	38.259 ug/ml
15) TZM C-28	15.71	13821636	39.546 ug/ml
16) TZM C-30	17.22	12232360	38.873 ug/ml
17) TZM C-36	21.26	10869011	43.060 ug/ml
18) XH C19-C36	11.90	129926571	339.460 ug/ml

59,570

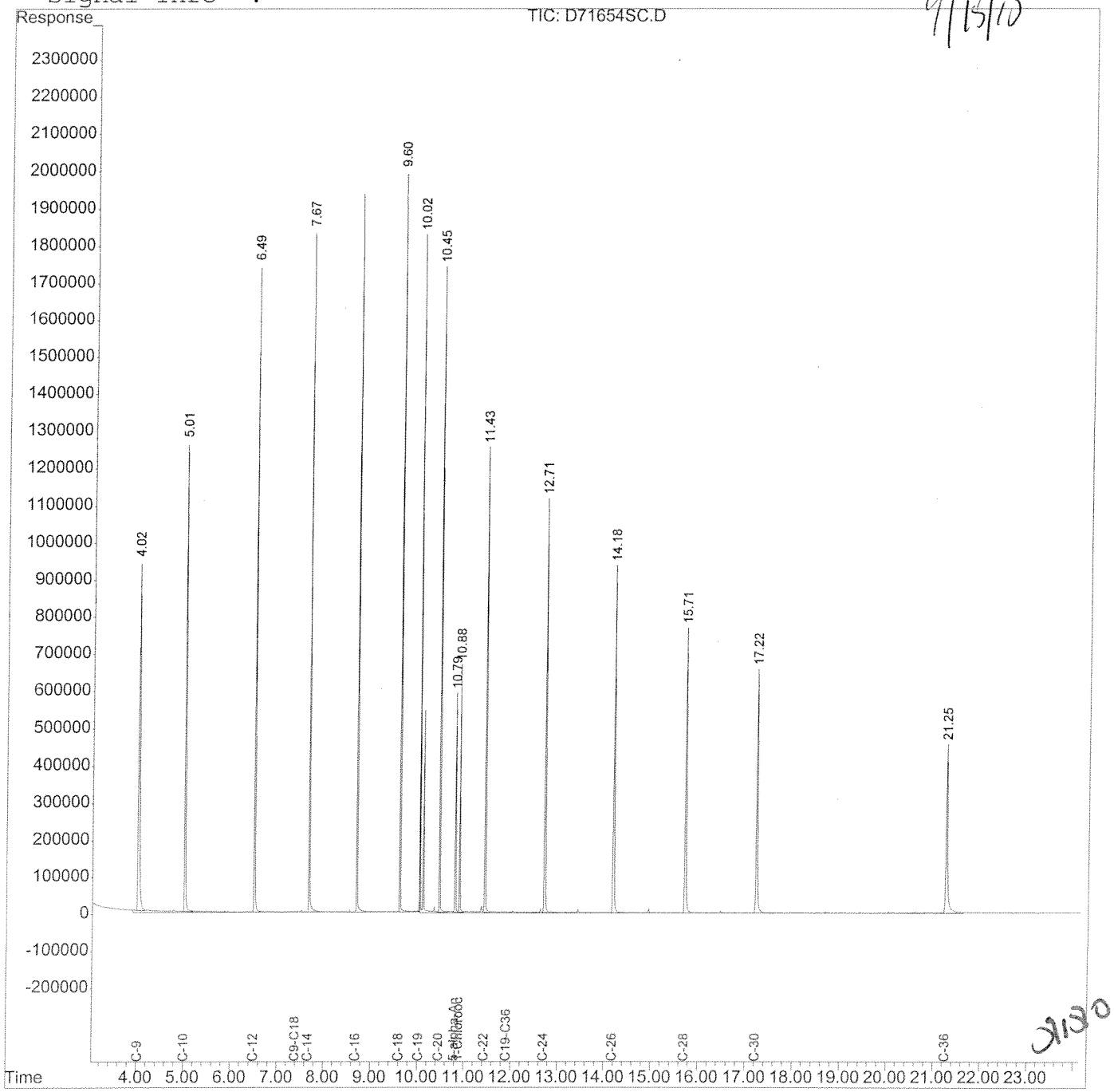
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\091310-D\D71654SC.D Vial: 2
Acq On : 14 Sep 2010 4:45 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 14 9:32 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/15/10



D71654SC.D ALG80410.M Tue Sep 14 09:32:46 2010 Page 2

EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: D71655SC.D

PN 9/15/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.0	5.0	
2-Methylnaphthalene	20.9	4.4	
Acenaphthylene	21.3	6.7	
Acenaphthene	21.4	7.0	
Fluorene	21.6	7.8	
Phenanthrene	22.0	10.1	
Anthracene	20.8	4.1	
2-Fluorobiphenyl	12.5	4.5	
2-Bromonaphthalene	13.4	11.5	
o-terphenyl	8.9	11.4	
Fluoranthene	21.9	9.3	
Pyrene	22.4	11.8	
Benzo[a]anthracene	22.7	13.4	
Chrysene	21.2	6.2	
Benzo[b] fluoranthene	20.1	0.7	
Benzo[k] fluoranthene	21.7	8.4	
Benzo[a] pyrene	21.5	7.6	
Indeno [1,2,3-cd] pyrene	21.7	8.5	
Dibenz [a,h] anthracene	21.6	8.2	
Benzo(g,h,i) perylene	22.7	13.5	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

J 9/15/10

EPH ARO FORM 7

Data File : D:\HPCHEM\1\DATA\091310-D\D71655SC.D
Acq On : 14 Sep 2010 5:15 am
Sample : S10041 ARO 20
Misc :
MS Integration Params: RTEINT.P
Quant Time: Sep 14 9:39 2010

Vial: 3
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/15/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	41358	20.00	ug/ml	-0.01
System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.59	172	137145	12.54	ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 62.70%			
10) 2-Bromonaphthalene	8.26	206	60655	13.38	ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 66.90%			
11) o-terphenyl	10.10	230	57100	8.91	ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 44.55%			
Target Compounds						Qvalue
2) Naphthalene	6.53	128	350546	21.01	ug/ml	100
3) 2-Methylnaphthalene	7.22	141	189874	20.88	ug/ml	99
4) Acenaphthylene	8.12	152	335123	21.34	ug/ml	100
5) Acenaphthene	8.29	154	187608	21.41	ug/ml	98
6) Fluorene	8.81	166	219510	21.56	ug/ml	100
7) Phenanthrene	9.76	178	302277	22.03	ug/ml	99
8) Anthracene	9.81	178	297317	20.82	ug/ml	99
12) Fluoranthene	11.07	202	312231	21.86	ug/ml	98
13) Pyrene	11.37	202	328168	22.37	ug/ml	98
14) Benzo[a]anthracene	13.52	228	255473	22.67	ug/ml	98
15) Chrysene	13.60	228	252678	21.24	ug/ml	98
16) Benzo[b] fluoranthene	15.84	252	198757	20.13	ug/ml	99
17) Benzo[k] fluoranthene	15.90	252	219360	21.68	ug/ml	98
18) Benzo[a] pyrene	16.52	252	200521	21.53	ug/ml	98
19) Indeno [1,2,3-cd] pyrene	18.82	276	162918	21.69	ug/ml	98
20) Dibenz [a,h] anthracene	18.86	278	165912	21.63	ug/ml	98
21) Benzo(g,h,i) perylene	19.31	276	189090	22.70	ug/ml	97

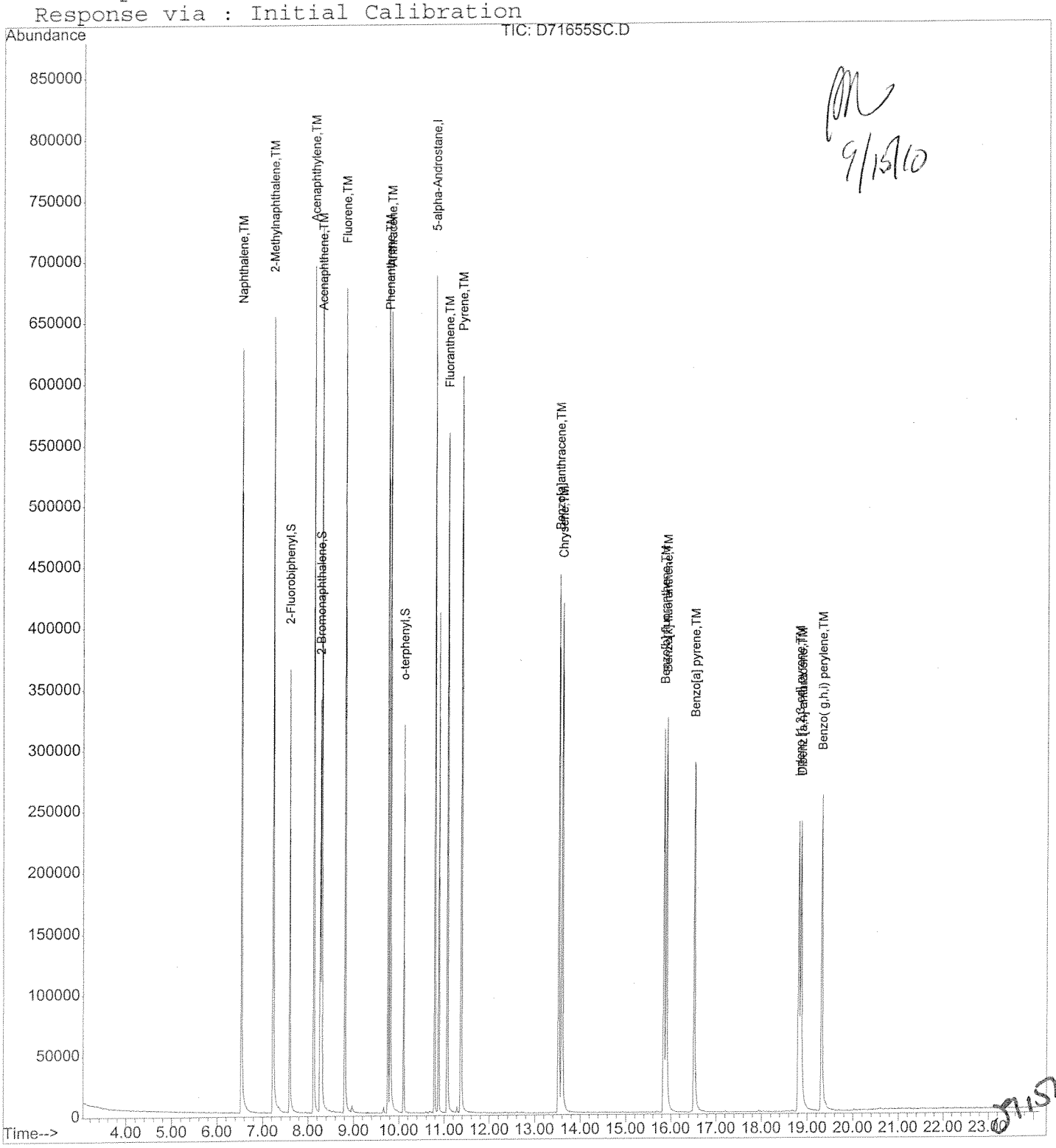
S71520

(#) = qualifier out of range (m) = manual integration
D71655SC.D ARM80410.M Tue Sep 14 09:39:57 2010

Data File : D:\HPCHEM\1\DATA\091310-D\D71655SC.D
Acq On : 14 Sep 2010 5:15 am
Sample : S10041 ARO 20
Misc :
MS Integration Params: RTEINT.P
Quant Time: Sep 14 9:39 2010

Vial: 3
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/15/10

D71520

D71655SC.D ARM80410.M Tue Sep 14 09:39:58 2010 Page 2

GC AROMATIC CONT CALIBRATION CHECK

Data File Name D71655SC.D
Sample Name S10041 ARO 20
Date Acquired 9/14/2010 5:15

9/15/10

Name	Amount	UG/L EXPECTED	% DIFFERENCE	LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	19.99	20	0	20	OK	19.99		
2-Methylnaphthalene	20.16	20	1	20	OK	20.16		
Acenaphthylene	20.52	20	3	20	OK	20.52		
Acenaphthene	20.35	20	2	20	OK	20.35		
Fluorene	20.65	20	3	20	OK	20.65		
Phenanthrene	20.84	20	4	20	OK	20.84		
Anthracene	20.27	20	1	20	OK	20.27		
Fluoranthene	20.86	20	4	20	OK	20.86		
Pyrene	21.38	20	7	20	OK	21.38		
Benzo[a]anthracene	19.99	20	0	20	OK	19.99		
Chrysene	20.35	20	2	20	OK	20.35		
Benzo[b] fluoranthene	19.47	20	3	20	OK	19.47		
Benzo[k] fluoranthene	19.47	20	3	20	OK	19.47		
Benzo[a] pyrene	19.74	20	1	20	OK	19.74		
Indeno [1,2,3-cd] pyrene	20.22	20	1	20	OK	20.22		
Dibenz [a,h] anthracene	21.03	20	5	20	OK	21.03		
Benzo(g,h,i) perylene	20.85	20	4	20	OK	20.85		
c11-c22		340				**346.14**	102%	OK

591570

9/15/10 2:26 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ARGPT3SUMPRCTOPEN.CRT

Data File : D:\HPCHEM\1\DATA\091310-D\D71655SC.D
Acq On : 14 Sep 2010 5:15 am
Sample : S10041 ARO 20
Misc :
IntFile : autoint1.e
Quant Time: Sep 15 2:26 2010 Quant Results File: ARG80410.RES

Vial: 3
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/15/10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	7861759	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	4655311	12.000 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	60.00%
10) S 2-Bromonaphthalene	8.26	3564293	13.214 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	66.07%
11) S o-terphenyl	10.11	3085182	8.380 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	41.90%
Target Compounds			
2) TZ Naphthalene	6.54	8464545	19.986 ug/ml
3) TZ 2-Methylnaphthalene	7.23	8261532	20.160 ug/ml
4) TZ Acenaphthylene	8.12	7952827	20.520 ug/ml
5) TZ Acenaphthene	8.29	9100623	20.349 ug/ml
6) TZ Fluorene	8.81	7758091	20.647 ug/ml
7) TZ Phenanthrene	9.76	8048041	20.843 ug/ml
8) TZ Anthracene	9.81	7944228	20.269 ug/ml
12) TZ Fluoranthene	11.07	7943867	20.862 ug/ml
13) TZ Pyrene	11.37	8357512	21.377 ug/ml
14) TZ Benzo[a]anthracene	13.53	6938707	19.994 ug/ml
15) TZ Chrysene	13.60	7432577	20.350 ug/ml
16) TZ Benzo[b] fluoranthene	15.84	5534036	19.468 ug/ml
17) TZ Benzo[k] fluoranthene	15.90	6237316	19.468 ug/ml
18) TZ Benzo[a] pyrene	16.52	5583799	19.735 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.82	4642253	20.222 ug/ml
20) TZ Dibenz [a,h] anthracene	18.87	5567641	21.033 ug/ml
21) TZ Benzo(g,h,i) perylene	19.32	5649244	20.853 ug/ml
22) XH c11-c22	11.73	128846091	376.085 ug/ml

37450

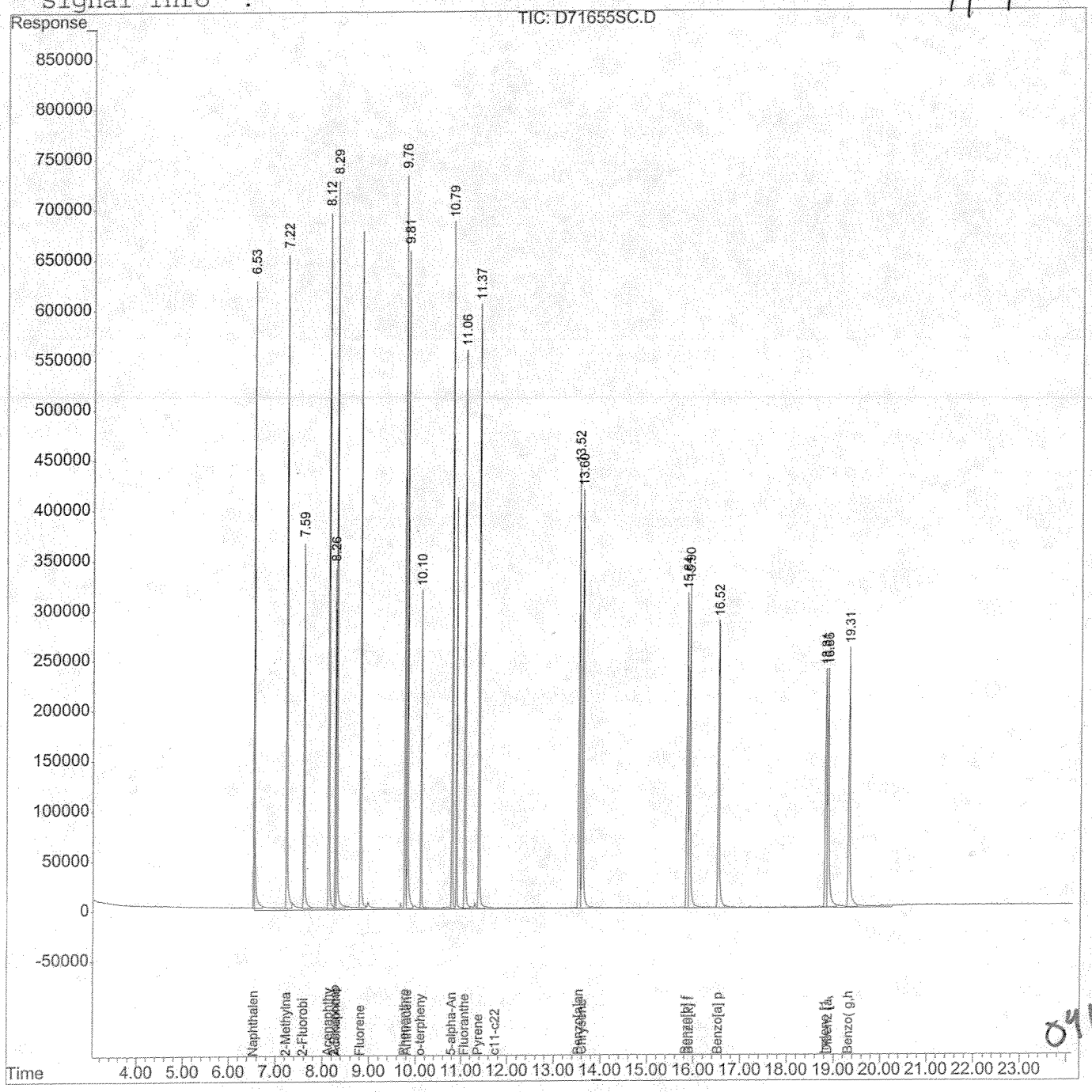
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\091310-D\D71655SC.D Vial: 3
Acq On : 14 Sep 2010 5:15 am Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 15 2:26 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/15/10



071010

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

9/15/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71671SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	42.6	6.4	
C-10	42.1	5.3	
C-12	40.9	2.3	
C-14	40.5	1.3	
C-16	40.2	0.6	
C-18	39.5	1.1	
C-19	38.2	4.6	
C-20	39.3	1.8	
1-Chlorooctadecane	16.2	1.1	
C-22	39.2	2.1	
C-24	38.0	5.0	
C-26	40.2	0.4	
C-28	40.4	1.0	
C-30	42.5	6.3	
C-36	43.1	7.7	

C9-C18 Aliphatics	245.9	2.5	
C19-C36 Aliphatics	320.8	0.3	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

JW 09/20/10

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091310-D\D71671SC.D
Acq On : 14 Sep 2010 1:34 pm
Sample : S10042 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Sep 14 16:32 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/15/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	6791157	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	6742554	16.179 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	80.89%
Target Compounds			
2) TZM C-9	4.03	17949899	42.566 ug/ml
3) TZM C-10	5.02	18169448	42.132 ug/ml
4) TZM C-12	6.49	18957851	40.935 ug/ml
5) TZM C-14	7.67	19251249	40.530 ug/ml
6) TZM C-16	8.69	18443621	40.226 ug/ml
7) TZM C-18	9.60	18035434	39.547 ug/ml
8) XH C9-C18	7.38	117709352	261.034 ug/ml
9) TZM C-19	10.03	17220602	38.174 ug/ml
10) TZM C-20	10.46	17360334	39.268 ug/ml
12) TZM C-22	11.43	17158827	39.179 ug/ml
13) TZM C-24	12.71	15969517	37.989 ug/ml
14) TZM C-26	14.18	15636329	40.159 ug/ml
15) TZM C-28	15.71	13806294	40.409 ug/ml
16) TZM C-30	17.22	13084439	42.537 ug/ml
17) TZM C-36	21.26	10635491	43.095 ug/ml
18) XH C19-C36	11.90	134448111	359.343 ug/ml

591570

(f)=RT Delta > 1/2 Window (m)=manual int.

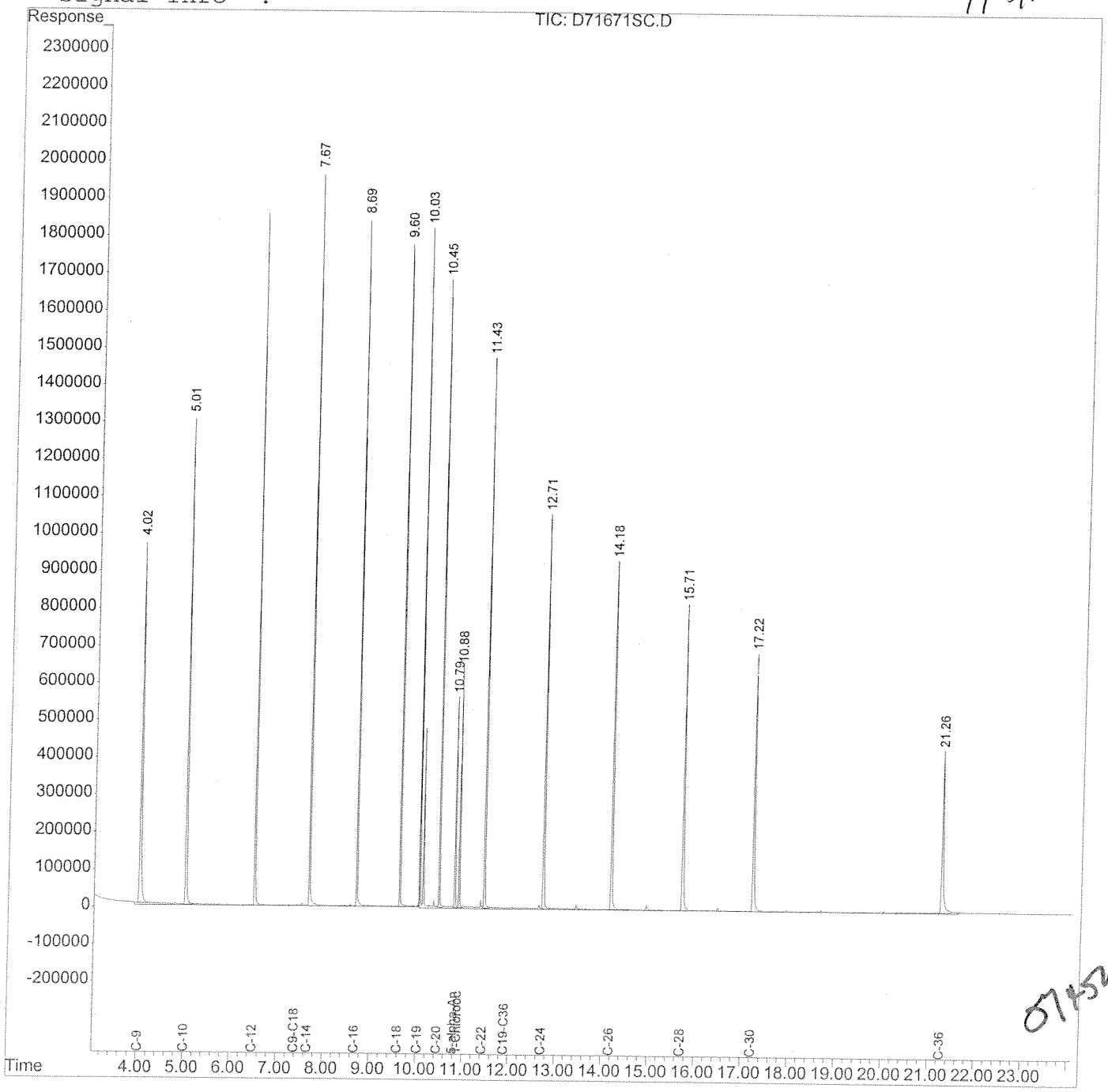
Data File : D:\HPCHEM\1\DATA\091310-D\D71671SC.D
Acq On : 14 Sep 2010 1:34 pm
Sample : S10042 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Sep 14 16:32 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/15/10



074520

D71671SC.D ALG80410.M Tue Sep 14 16:32:34 2010 Page 2

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

MR 9/15/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: D71672SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.0	4.9	
2-Methylnaphthalene	20.6	3.0	
Acenaphthylene	21.1	5.6	
Acenaphthene	20.9	4.3	
Fluorene	21.2	5.9	
Phenanthrene	21.4	7.0	
Anthracene	21.1	5.4	
2-Fluorobiphenyl	12.7	5.8	
2-Bromonaphthalene	12.8	6.6	
o-terphenyl	8.5	5.8	
Fluoranthene	20.7	3.4	
Pyrene	20.9	4.3	
Benzo[a]anthracene	21.6	7.9	
Chrysene	20.4	2.1	
Benzo[b] fluoranthene	20.3	1.5	
Benzo[k] fluoranthene	20.9	4.5	
Benzo[a] pyrene	20.5	2.7	
Indeno [1,2,3-cd] pyrene	21.0	4.8	
Dibenz [a,h] anthracene	21.7	8.7	
Benzo(g,h,i) perylene	21.1	5.5	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

J91520

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\091310-D\D71672SC.D Vial: 3
Acq On : 14 Sep 2010 2:04 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 16:28 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

PM 9/15/10

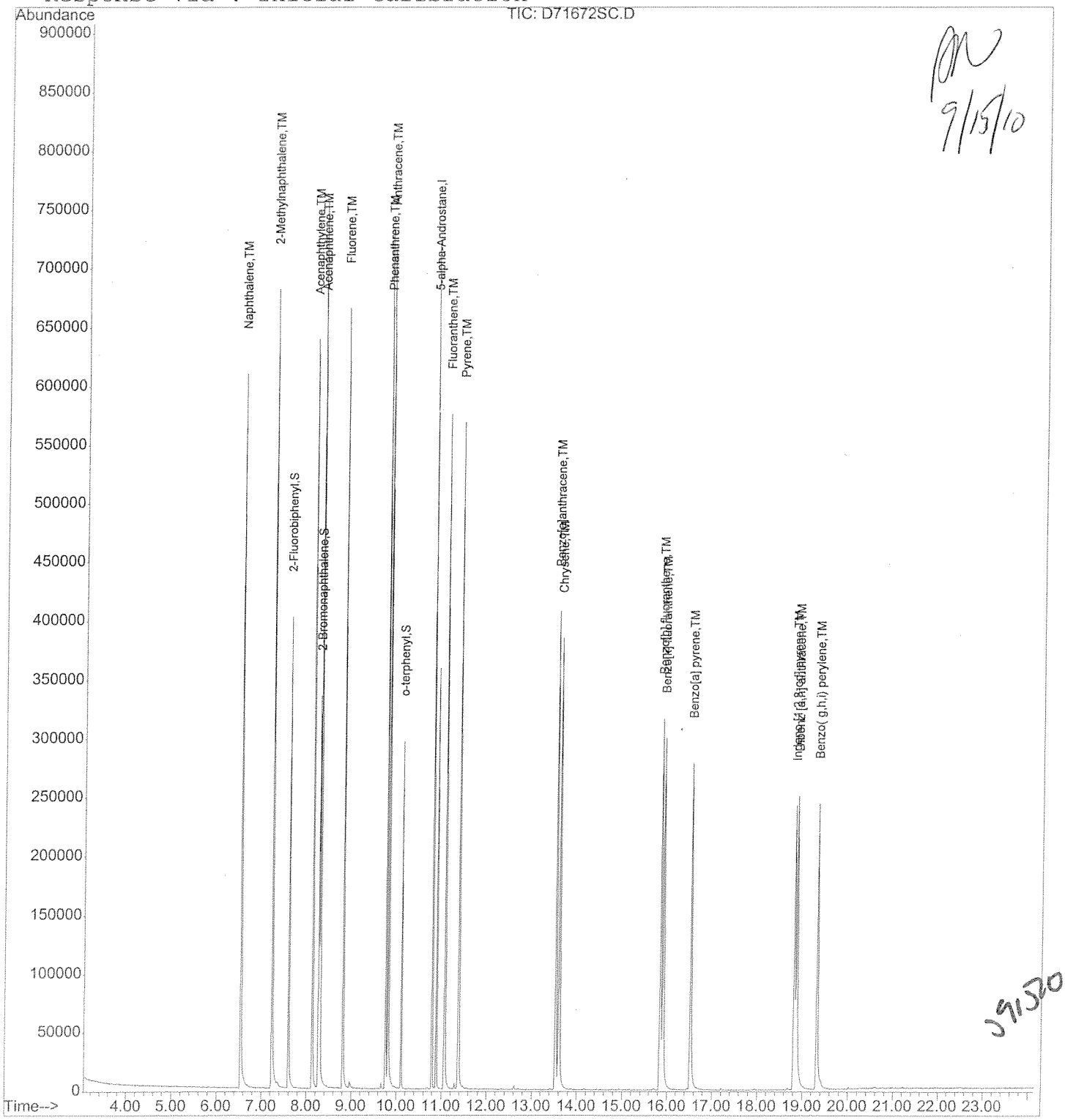
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	41356	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.59	172	138864	12.69	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 63.45%			
10) 2-Bromonaphthalene	8.26	206	57963	12.79	ug/ml	-0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 63.95%			
11) o-terphenyl	10.11	230	54200	8.46	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 42.30%			
Target Compounds						Qvalue
2) Naphthalene	6.54	128	350130	20.99	ug/ml	100
3) 2-Methylnaphthalene	7.23	141	187234	20.59	ug/ml	96
4) Acenaphthylene	8.13	152	331637	21.12	ug/ml	100
5) Acenaphthene	8.29	154	182747	20.85	ug/ml	100
6) Fluorene	8.80	166	215701	21.19	ug/ml	100
7) Phenanthrene	9.76	178	293534	21.39	ug/ml	99
8) Anthracene	9.81	178	301081	21.09	ug/ml	100
12) Fluoranthene	11.07	202	295299	20.68	ug/ml	99
13) Pyrene	11.37	202	306000	20.86	ug/ml	99
14) Benzo[a]anthracene	13.53	228	243059	21.57	ug/ml	98
15) Chrysene	13.60	228	242974	20.42	ug/ml	99
16) Benzo[b] fluoranthene	15.84	252	200638	20.31	ug/ml	99
17) Benzo[k] fluoranthene	15.90	252	211462	20.90	ug/ml	99
18) Benzo[a] pyrene	16.52	252	190720	20.54	ug/ml	99
19) Indeno [1,2,3-cd] pyrene	18.82	276	156997	20.96	ug/ml	99
20) Dibenz [a,h] anthracene	18.87	278	166844	21.75	ug/ml	99
21) Benzo(g,h,i) perylene	19.32	276	175877	21.09	ug/ml	99

S91510

(#) = qualifier out of range (m) = manual integration
D71672SC.D ARM80410.M Tue Sep 14 16:28:54 2010 Page 1

Data File : D:\HPCHEM\1\DATA\091310-D\D71672SC.D Vial: 3
Acq On : 14 Sep 2010 2:04 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 16:28 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



PM 9/15/10

J91520

PM 9/15/10

GC AROMATIC CLOSING CONT CALIBRATION CHECK

Data File Name D71672SC.D
Sample Name S10041 ARO 20
Date Acquired 9/14/2010 2:04

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.36	20	2	20	OK	20.36		
2-Methylnaphthalene	20.43	20	2	20	OK	20.43		
Acenaphthylene	20.50	20	2	20	OK	20.50		
Acenaphthene	20.16	20	1	20	OK	20.16		
Fluorene	20.52	20	3	20	OK	20.52		
Phenanthrene	20.69	20	3	20	OK	20.69		
Anthracene	21.00	20	5	20	OK	21.00		
Fluoranthene	20.12	20	1	20	OK	20.12		
Pyrene	20.42	20	2	20	OK	20.42		
Benzo[a]anthracene	19.47	20	3	20	OK	19.47		
Chrysene	19.89	20	1	20	OK	19.89		
Benzo[b] fluoranthene	19.88	20	1	20	OK	19.88		
Benzo[k] fluoranthene	19.11	20	4	20	OK	19.11		
Benzo[a] pyrene	19.60	20	2	20	OK	19.60		
Indeno [1,2,3-cd] pyrene	19.95	20	0	20	OK	19.95		
Dibenz [a,h] anthracene	22.15	20	11	20	OK	22.15		
Benzo(g,h,i) perylene	20.27	20	1	20	OK	20.27		
c11-c22		340				**344.51**	101%	OK

091510

9/15/10 2:26 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ARGPT3SUMPRCTCLOS.CRT

Data File : D:\HPCHEM\1\DATA\091310-D\D71672SC.D Vial: 3
Acq On : 14 Sep 2010 2:04 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 14 16:34 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MN 9/15/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	7812679	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	4694785	12.178 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	60.89%
10) S 2-Bromonaphthalene	8.27	3476051	12.968 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.84%
11) S o-terphenyl	10.11	2951640	8.068 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	40.34%
Target Compounds			
2) TZ Naphthalene	6.54	8568969	20.359 ug/ml
3) TZ 2-Methylnaphthalene	7.23	8321407	20.434 ug/ml
4) TZ Acenaphthylene	8.13	7894019	20.496 ug/ml
5) TZ Acenaphthene	8.30	8959993	20.156 ug/ml
6) TZ Fluorene	8.81	7663547	20.524 ug/ml
7) TZ Phenanthrene	9.76	7938225	20.687 ug/ml
8) TZ Anthracene	9.81	8180235	21.003 ug/ml
12) TZ Fluoranthene	11.07	7612680	20.118 ug/ml
13) TZ Pyrene	11.38	7935081	20.424 ug/ml
14) TZ Benzo[a]anthracene	13.53	6704268	19.473 ug/ml
15) TZ Chrysene	13.60	7220085	19.893 ug/ml
16) TZ Benzo[b] fluoranthene	15.85	5624371	19.880 ug/ml
17) TZ Benzo[k] fluoranthene	15.90	6080312	19.107 ug/ml
18) TZ Benzo[a] pyrene	16.53	5507274	19.595 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.82	4545456	19.947 ug/ml
20) TZ Dibenz [a,h] anthracene	18.87	5826986	22.151 ug/ml
21) TZ Benzo(g,h,i) perylene	19.32	5457316	20.266 ug/ml
22) XH c11-c22	11.73	127581026	374.732 ug/ml

371570

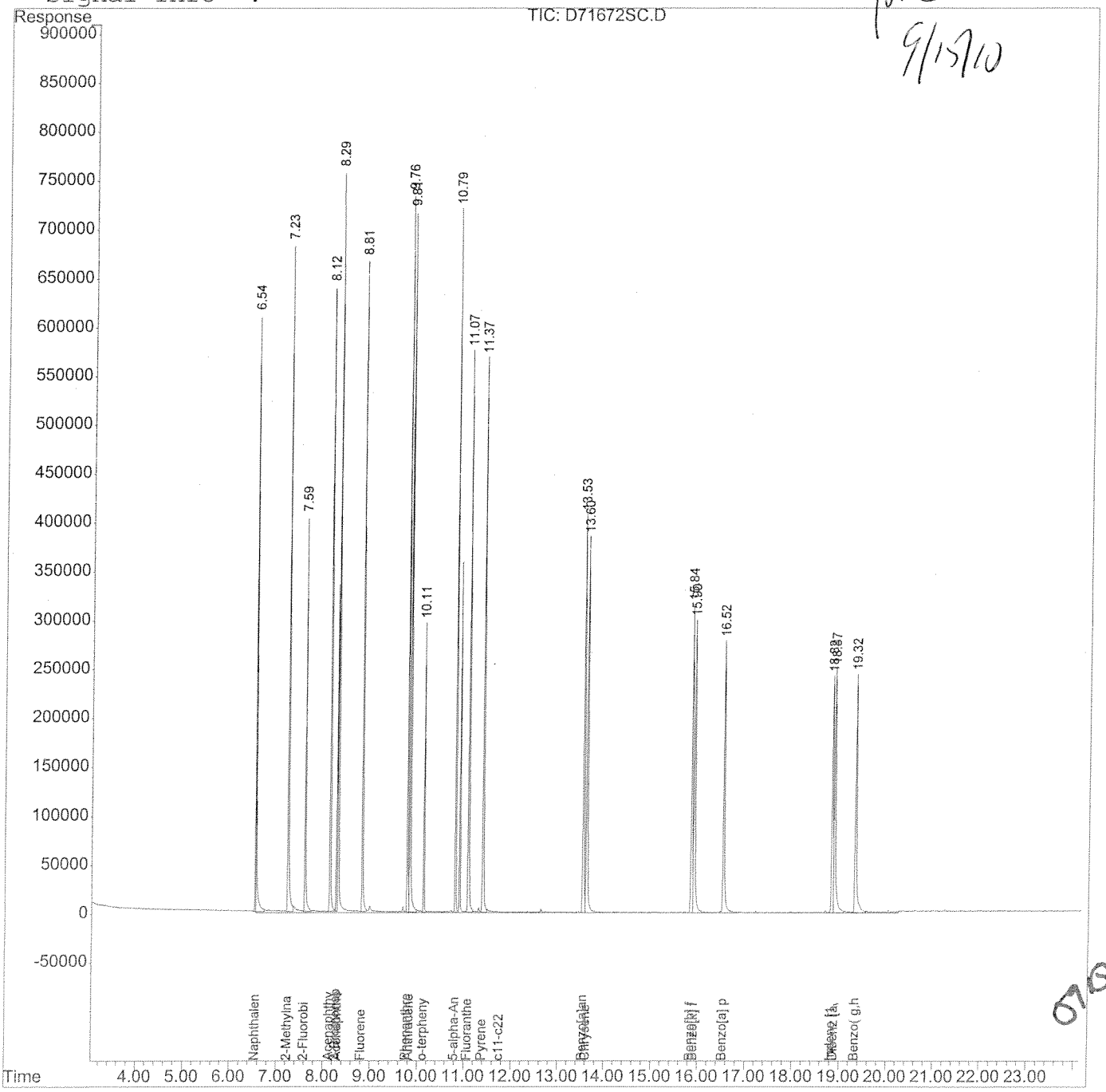
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\091310-D\D71672SC.D Vial: 3
Acq On : 14 Sep 2010 2:04 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 14 16:34 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/15/10



67000

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

PN 9/15/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71673SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	41.8	4.6	
C-10	42.7	6.7	
C-12	37.5	6.3	
C-14	38.4	4.1	
C-16	39.6	0.9	
C-18	39.0	2.5	
C-19	37.8	5.4	
C-20	37.9	5.2	
1-Chlorooctadecane	16.4	2.4	
C-22	38.3	4.3	
C-24	38.4	4.1	
C-26	39.1	2.4	
C-28	39.0	2.6	
C-30	41.6	4.0	
C-36	43.8	9.4	

C9-C18 Aliphatics	239.0	0.4	
C19-C36 Aliphatics	315.8	1.3	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

091320

EPH ALI FORM 7

Data File : D:\HPCHEM\1\DATA\091310-D\D71673SC.D Vial: 2
Acq On : 14 Sep 2010 2:34 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 14 16:32 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MN 9/15/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	7133070	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.89	7173484	16.388 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	81.94%
Target Compounds			
2) TZM C-9	4.03	18529972	41.835 ug/ml
3) TZM C-10	5.02	19327682	42.669 ug/ml
4) TZM C-12	6.50	18229041	37.474 ug/ml
5) TZM C-14	7.67	19135788	38.356 ug/ml
6) TZM C-16	8.69	19082584	39.625 ug/ml
7) TZM C-18	9.60	18678653	38.994 ug/ml
8) XH C9-C18	7.38	120947071	255.358 ug/ml
9) TZM C-19	10.03	17933305	37.849 ug/ml
10) TZM C-20	10.46	17615618	37.936 ug/ml
12) TZM C-22	11.43	17607255	38.275 ug/ml
13) TZM C-24	12.71	16941892	38.371 ug/ml
14) TZM C-26	14.18	15970630	39.052 ug/ml
15) TZM C-28	15.72	13980792	38.959 ug/ml
16) TZM C-30	17.22	13437680	41.591 ug/ml
17) TZM C-36	21.26	11380178	43.771 ug/ml
18) XH C19-C36	11.90	139205164	354.223 ug/ml

37120

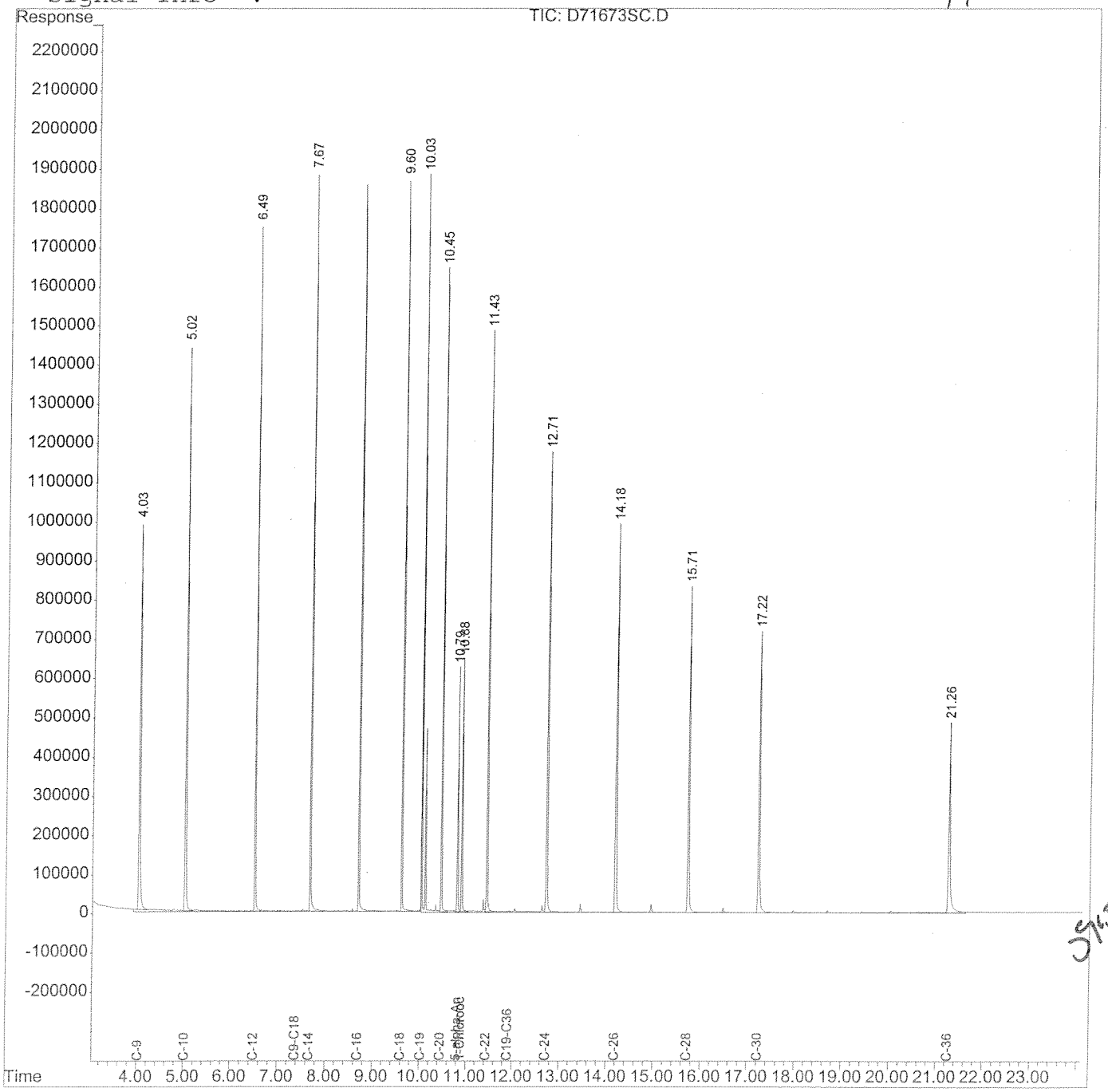
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\091310-D\D71673SC.D Vial: 2
Acq On : 14 Sep 2010 2:34 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 14 16:32 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/15/10



35.570

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: D71674SC.D

MN 9/15/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.9	4.4	
2-Methylnaphthalene	20.8	3.8	
Acenaphthylene	20.9	4.4	
Acenaphthene	20.8	4.2	
Fluorene	21.2	6.0	
Phenanthrene	20.6	3.0	
Anthracene	21.0	4.9	
2-Fluorobiphenyl	12.5	4.2	
2-Bromonaphthalene	12.8	6.8	
o-terphenyl	9.0	13.0	
Fluoranthene	21.0	5.2	
Pyrene	21.0	5.2	
Benzo[a]anthracene	21.9	9.4	
Chrysene	21.2	6.0	
Benzo[b] fluoranthene	19.9	0.5	
Benzo[k] fluoranthene	21.1	5.3	
Benzo[a] pyrene	20.8	3.9	
Indeno [1,2,3-cd] pyrene	21.5	7.6	
Dibenz [a,h] anthracene	21.3	6.4	
Benzo(g,h,i) perylene	21.2	5.8	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

391520

EPH ARO FORM 7

Data File : D:\HPCHEM\1\DATA\091310-D\D71674SC.D Vial: 3
Acq On : 14 Sep 2010 3:04 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 16:28 2010 Quant Results File: ARM80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/15/10

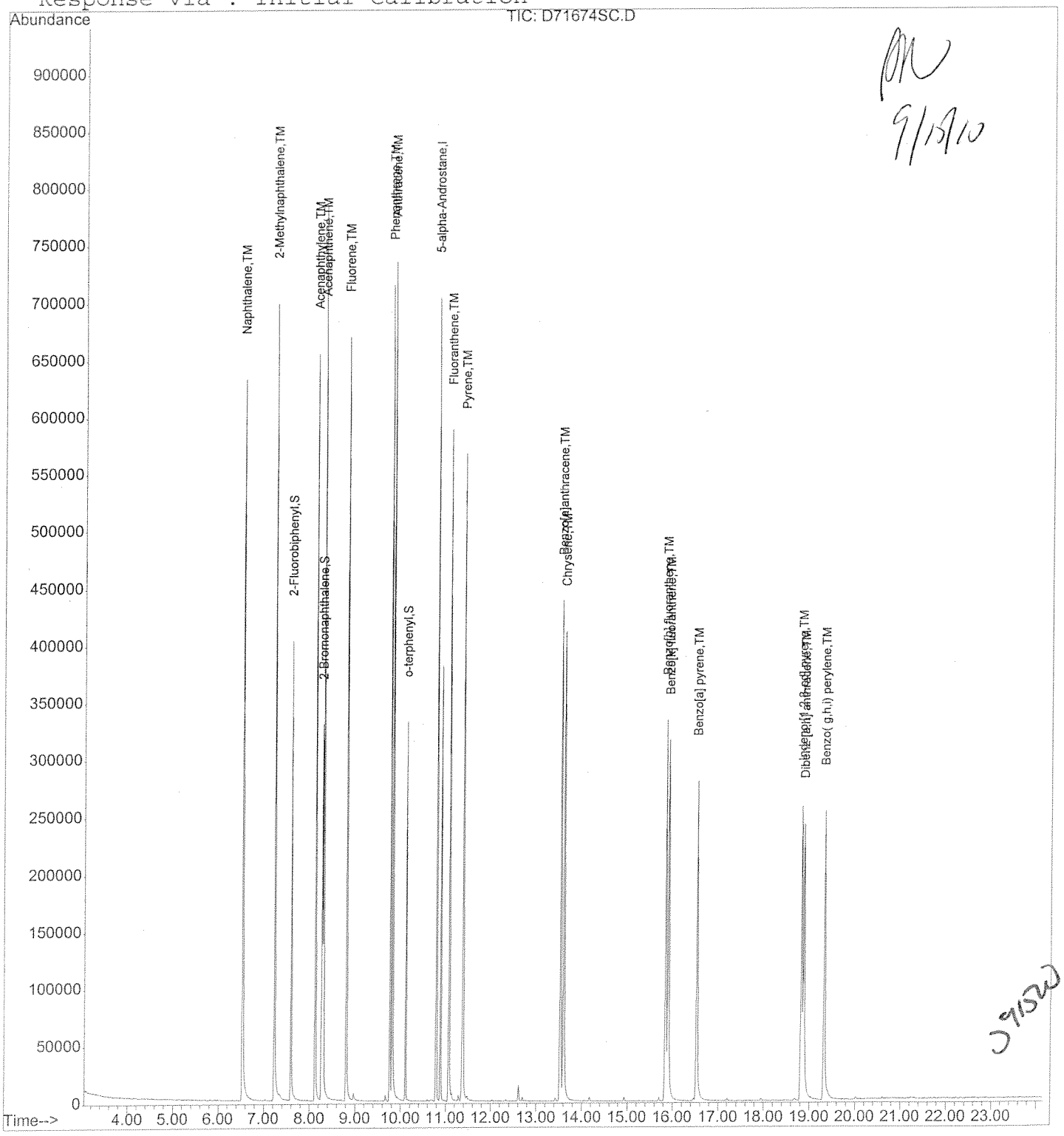
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	10.79	95	42443	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	7.59	172	140399	12.51	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 62.55%			
10) 2-Bromonaphthalene	8.27	206	59615	12.82	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 64.10%			
11) o-terphenyl	10.11	230	59441	9.04	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 45.20%			
Target Compounds						Qvalue
2) Naphthalene	6.54	128	357695	20.89	ug/ml	100
3) 2-Methylnaphthalene	7.23	141	193637	20.75	ug/ml	99
4) Acenaphthylene	8.13	152	336642	20.89	ug/ml	100
5) Acenaphthene	8.29	154	187389	20.84	ug/ml	99
6) Fluorene	8.80	166	221563	21.20	ug/ml	100
7) Phenanthrene	9.76	178	290094	20.60	ug/ml	99
8) Anthracene	9.81	178	307508	20.99	ug/ml	99
12) Fluoranthene	11.07	202	308321	21.03	ug/ml	99
13) Pyrene	11.37	202	316794	21.04	ug/ml	99
14) Benzo[a]anthracene	13.53	228	252997	21.88	ug/ml	98
15) Chrysene	13.60	228	258909	21.21	ug/ml	100
16) Benzo[b] fluoranthene	15.84	252	201351	19.89	ug/ml	100
17) Benzo[k] fluoranthene	15.90	252	218640	21.06	ug/ml	100
18) Benzo[a] pyrene	16.52	252	198256	20.79	ug/ml	99
19) Indeno [1,2,3-cd] pyrene	18.82	276	165679	21.51	ug/ml	98
20) Dibenz [a,h] anthracene	18.87	278	167295	21.27	ug/ml	100
21) Benzo(g,h,i) perylene	19.32	276	181082	21.16	ug/ml	99

591520

(#) = qualifier out of range (m) = manual integration
D71674SC.D ARM80410.M Tue Sep 14 16:28:56 2010 Page 1

Data File : D:\HPCHEM\1\DATA\091310-D\D71674SC.D Vial: 3
Acq On : 14 Sep 2010 3:04 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 14 16:28 2010 Quant Results File: ARM80410.RES

Method : D:\HPCHEM\1\METHODS\ARM80410.M (RTE Integrator)
Title : EPH MS AROMATICS
Last Update : Wed Sep 08 23:16:34 2010
Response via : Initial Calibration



9/15/10

J91520

D71674SC.D ARM80410.M Tue Sep 14 16:28:57 2010 Page 2

GC AROMATIC CLOSING CONT CALIBRATION CHECK

Data File Name D71674SC.D
Sample Name S10041 ARO 20
Date Acquired 9/14/2010 3:04

MN 9/15/10

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.47	20	2	20	OK	20.47		
2-Methylnaphthalene	20.90	20	4	20	OK	20.90		
Acenaphthylene	20.77	20	4	20	OK	20.77		
Acenaphthene	20.67	20	3	20	OK	20.67		
Fluorene	20.89	20	4	20	OK	20.89		
Phenanthrene	20.33	20	2	20	OK	20.33		
Anthracene	21.28	20	6	20	OK	21.28		
Fluoranthene	20.22	20	1	20	OK	20.22		
Pyrene	21.63	20	8	20	OK	21.63		
Benzo[a]anthracene	20.19	20	1	20	OK	20.19		
Chrysene	20.86	20	4	20	OK	20.86		
Benzo[b] fluoranthene	19.76	20	1	20	OK	19.76		
Benzo[k] fluoranthene	19.78	20	1	20	OK	19.78		
Benzo[a] pyrene	19.90	20	0	20	OK	19.90		
Indeno [1,2,3-cd] pyrene	20.86	20	4	20	OK	20.86		
Dibenz [a,h] anthracene	21.43	20	7	20	OK	21.43		
Benzo(g,h,i) perylene	20.56	20	3	20	OK	20.56		
c11-c22		340				**350.49**	103%	OK

J7176

Data File : D:\HPCHEM\1\DATA\091310-D\D71674SC.D Vial: 3
Acq On : 14 Sep 2010 3:04 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 14 16:34 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

AMO
9/15/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	7879392	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	7.59	4744774	12.204 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	61.02%
10) S 2-Bromonaphthalene	8.27	3529359	13.056 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	65.28%
11) S o-terphenyl	10.11	3162552	8.571 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	42.85%
Target Compounds			
2) TZ Naphthalene	6.54	8688029	20.467 ug/ml
3) TZ 2-Methylnaphthalene	7.23	8583428	20.899 ug/ml
4) TZ Acenaphthylene	8.13	8067834	20.770 ug/ml
5) TZ Acenaphthene	8.30	9263412	20.675 ug/ml
6) TZ Fluorene	8.81	7868127	20.893 ug/ml
7) TZ Phenanthrene	9.76	7866154	20.326 ug/ml
8) TZ Anthracene	9.81	8357854	21.277 ug/ml
12) TZ Fluoranthene	11.07	7716981	20.221 ug/ml
13) TZ Pyrene	11.38	8475795	21.631 ug/ml
14) TZ Benzo[a]anthracene	13.53	7026085	20.189 ug/ml
15) TZ Chrysene	13.60	7634100	20.855 ug/ml
16) TZ Benzo[b] fluoranthene	15.85	5634379	19.756 ug/ml
17) TZ Benzo[k] fluoranthene	15.90	6354261	19.780 ug/ml
18) TZ Benzo[a] pyrene	16.52	5647137	19.905 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	18.82	4810615	20.857 ug/ml
20) TZ Dibenz [a,h] anthracene	18.87	5685266	21.430 ug/ml
21) TZ Benzo(g,h,i) perylene	19.32	5584211	20.564 ug/ml
22) XH c11-c22	11.73	131580781	383.208 ug/ml

591520

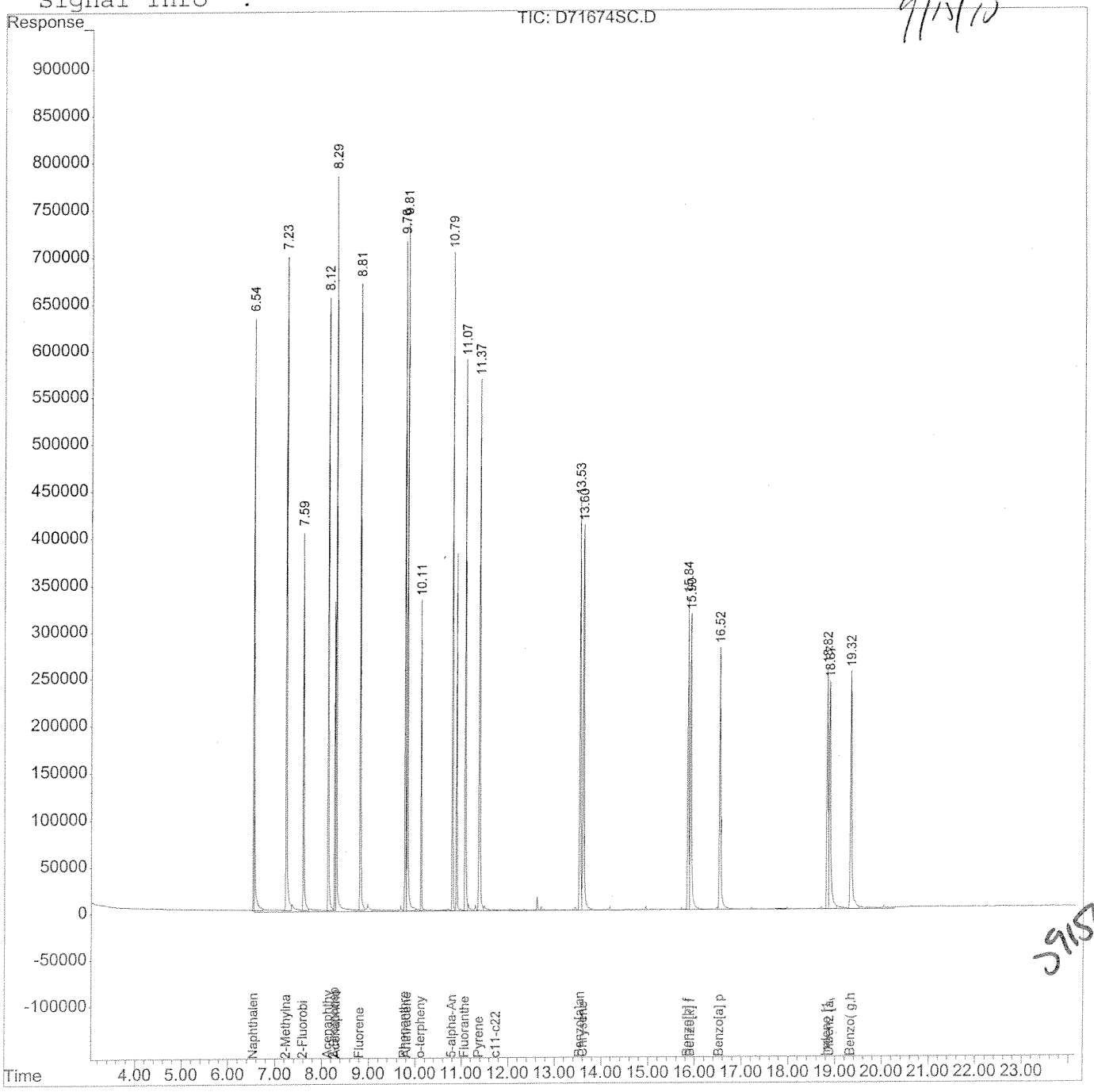
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\091310-D\D71674SC.D Vial: 3
Acq On : 14 Sep 2010 3:04 pm Operator: AR
Sample : S10041 ARO 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Sep 14 16:34 2010 Quant Results File: ARG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG80410.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Thu Sep 09 00:52:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

AW 9/15/10



J91520

D71674SC.D ARG80410.M Wed Sep 15 02:28:24 2010 Page 2

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67743
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	6995120		11.02	
Upper Limit	13990240		11.08	
Lower limit	3497560		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9700 ALI 5	6392680		11.02	
S9701 ALI 10	6336220		11.02	
S9702 ALI 20	7097680		11.02	
S9704 ALI 50	6719900		11.02	
S9705 ALI 100	6944560		11.02	
S9715 ALI 20 ICV	6985250		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Tune File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Tune Time : 5 Aug 2010 1:47 am

Daily Calibration File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D

Shi GC

8/6/10

6995120

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71447SI.D	S9700 AL	9*	6392677
D71448SI.D	S9701 AL	19*	6336218
D71449SI.D	S9702 AL	39*	7097682
D71451SI.D	S9704 AL	106	6719901
D71452SI.D	S9705 AL	210*	6944560
D71453.D	S9715 AL	96	6985246

t - fails 12hr time check * - fails criteria

Created: Fri Aug 06 01:53:06 2010 GC
MS Ins

08910

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9937 ARO 20	39978		11.02	
Upper Limit	79956		11.08	
Lower limit	19989		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	39531		11.01	
S9707 ARO 5	38539		11.02	
S9708 ARO 10	37361		11.02	
S9710 ARO 50	35122		11.02	
S9711 ARO 100	33554		11.02	
S9716 ARO 20 ICV	30229		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Tune File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Tune Time : 5 Aug 2010 1:47 am

NRO MS

Daily Calibration File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D

MV 8/6/10

39978

File	Sample	Surrogate Recovery %			Internal Standard Responses
D71454SI.D	S9706 AR	6*	5*	4*	39531
D71455SI.D	S9707 AR	14*	14*	9*	38539
D71456SI.D	S9708 AR	29*	29*	20*	37361
D71458SI.D	S9710 AR	158*	158*	103	35122
D71459SI.D	S9711 AR	323*	334*	223*	33554
D71460.D	S9716 AR	0*	0*	116	30229

t - fails 12hr time check * - fails criteria

Created: Fri Aug 06 00:58:33 2010 GC
MS Ins

20900

Tune File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Tune Time : 5 Aug 2010 1:47 am

SRO GC

Daily Calibration File : D:\HPCHEM\1\DATA\080410-D\D71457SI.D

8/6/10

7445710

File	Sample	Surrogate Recovery %			Internal Standard Responses
D71454SI.D	S9706 AR	5*	4*	3*	7321140
D71455SI.D	S9707 AR	14*	8*	7*	7034296
D71456SI.D	S9708 AR	28*	24*	14*	6843375
D71458SI.D	S9710 AR	149*	149*	72	6487126
D71459SI.D	S9711 AR	310*	313*	151*	6270986
D71460.D	S9716 AR	1*	170*	110	5726956

t - fails 12hr time check * - fails criteria

Created: Fri Aug 06 01:54:22 2010 GC
MS Ins

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6518680		10.79	
Upper Limit	13037360		10.85	
Lower limit	3259340		10.73	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	5557360		10.79	
B091310EASE	5197710		10.79	
L091310EASE	5177340		10.79	
LD091310EASE	5530260		10.79	
67743-1	5692320		10.79	
S10042 ALI 40	7003520		10.79	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Tune File : D:\HPCHEM\1\DATA\091310-D\D71639T.D
Tune Time : 13 Sep 2010 9:06 pm

Daily Calibration File : D:\HPCHEM\1\DATA\091310-D\D71640SC.D

Ali GC

9/15/10

6518680

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71642.D	HEXANE W	0*	5557360
D71643B.D	B091310E	44	5197713
D71644Q.D	L091310E	57	5177341
D71645Q.D	LD091310	72	5530260
D71649.D	67743-1	54	5692318
D71651SC.D	S10042 A	78	7003517

t - fails 12hr time check * - fails criteria

Created: Wed Sep 15 01:39:59 2010 GC
MS Ins

59.570

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67743
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	39853		10.79	
Upper Limit	79706		10.85	
Lower limit	19927		10.73	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	29504		10.79	
B091310EASE	28725		10.79	
L091310EASE	29753		10.78	
LD091310EASE	30006		10.78	
67743-1	29420		10.79	
S10041 ARO 20	40977		10.79	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Tune File : D:\HPCHEM\1\DATA\091310-D\D71639T.D
Tune Time : 13 Sep 2010 9:06 pm

Daily Calibration File : D:\HPCHEM\1\DATA\091310-D\D71641SC.D

39853

File	Sample	Surrogate Recovery %			Internal Standard Responses
D71642.D	HEXANE W	0*	0*	0*	29504
D71644Q.D	L091310E	0*	0*	0*	26772
D71645Q.D	LD091310	0*	2*	0*	28604
D71646B.D	B091310E	83	82	87	28725
D71647Q.D	L091310E	73	74	85	29753
D71648Q.D	LD091310	70	68	85	30006
D71650.D	67743-1	72	75	80	29420
D71652SC.D	S10041 A	66	69	46	40977

t - fails 12hr time check * - fails criteria

Created: Wed Sep 15 01:42:07 2010 GC
MS Ins

Tune File : D:\HPCHEM\1\DATA\091310-D\D71639T.D
Tune Time : 13 Sep 2010 9:06 pm

Daily Calibration File : D:\HPCHEM\1\DATA\091310-D\D71641SC.D

7455320

File	Sample	Surrogate Recovery %			Internal Standard Responses	
D71642.D	HEXANE W	0*	0*	0*	5575691	
D71646B.D	B091310E	81	95	82	5307918	
D71650.D	67743-1	73	162*	73	5676142	Matrix interference
D71652SC.D	S10041 A	61	68	43	7737545	

t - fails 12hr time check * - fails criteria

Created: Wed Sep 15 01:41:19 2010 GC
MS Ins

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67743

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6947170		10.79	
Upper Limit	13894340		10.85	
Lower limit	3473585		10.73	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	5734550		10.79	
B091310EASE,,RR	5541700		10.79	
67743-1,MS	5281740		10.79	
67743-1,MSD	5508600		10.79	
S10042 ALI 40	6791160		10.79	
S10042 ALI 40	7133070		10.79	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Tune File : D:\HPCHEM\1\DATA\091310-D\D71653T.D
Tune Time : 14 Sep 2010 4:15 am

Daily Calibration File : D:\HPCHEM\1\DATA\091310-D\D71654SC.D

6947170

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71656.D	HEXANE W	0*	5734546
D71657B.D	B091310E	43	5541696
D71659SP.D	67743-1,	40	5281740
D71660SP.D	67743-1,	63	5508602
D71663.D	67734-1	65	5667293
D71665.D	67734-2	67	5746066
D71667.D	67734-3	59	5679554
D71669.D	67734-4	53	5297356
D71671SC.D	S10042 A	81	6791157
D71673SC.D	S10042 A	82	7133070

t - fails 12hr time check * - fails criteria

Created: Wed Sep 15 04:14:35 2010 GC
MS Ins

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67743
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	41358		10.79	
Upper Limit	82716		10.85	
Lower limit	20679		10.73	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	30758		10.79	
B091310EASE,,RR	28679		10.79	
67743-1,MS	29587		10.79	
67743-1,MSD	29282		10.79	
S10041 ARO 20	41356		10.79	
S10041 ARO 20	42443		10.79	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Tune File : D:\HPCHEM\1\DATA\091310-D\D71653T.D ARO NS
Tune Time : 14 Sep 2010 4:15 am

Daily Calibration File : D:\HPCHEM\1\DATA\091310-D\D71655SC.D

9/15/10

41358

File	Sample	Surrogate Recovery %			Internal Standard Responses
D71656.D	HEXANE W	0*	0*	0*	30758
D71658B.D	B091310E	80	78	82	28679
D71661SP.D	67743-1,	82	80	82	29587
D71662SP.D	67743-1,	80	77	73	29282
D71664.D	67734-1	81	81	82	30967
D71666.D	67734-2	79	79	84	29918
D71668.D	67734-3	72	73	80	30864
D71670.D	67734-4	86	81	76	28775
D71672SC.D	S10041 A	63	64	42	41356
D71674SC.D	S10041 A	63	64	45	42443

t - fails 12hr time check * - fails criteria

Created: Wed Sep 15 04:17:57 2010 GC
MS Ins

, V3915W

Tune File : D:\HPCHEM\1\DATA\091310-D\D71653T.D
Tune Time : 14 Sep 2010 4:15 am

MRO GC

Daily Calibration File : D:\HPCHEM\1\DATA\091310-D\D71655SC.D

9/15/10

7861760

File	Sample	Surrogate Recovery %			Internal Standard Responses
D71656.D	HEXANE W	0*	0*	0*	5700773
D71658B.D	B091310E	76	89	78	5405331
D71664.D	67734-1	79	95	78	5706912
D71666.D	67734-2	76	92	79	5547676
D71668.D	67734-3	68	84	75	5768277
D71670.D	67734-4	82	93	72	5430754
D71672SC.D	S10041 A	61	65	40	7812679
D71674SC.D	S10041 A	61	65	43	7879392

t - fails 12hr time check * - fails criteria

Created: Wed Sep 15 04:16:55 2010 GC
MS Ins

591520

SUBCONTRACTED REPORTS
&
NARRATIVES

ANALYTICAL REPORT

Job Number: 680-61154-1

SDG Number: 67743

Job Description: South Weymouth B82

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
9/28/2010 6:02 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
09/28/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

TestAmerica Laboratories, Inc.
TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com

Table of Contents

Cover Title Page 1

Data Summaries 4

- Report Narrative 4
- Sample Summary 5
- Executive Summary 6
- Method Summary 7
- Method / Analyst Summary 8
- Sample Datasheets 9
- QC Data Summary 11
- Data Qualifiers 19
- QC Association Summary 20
- Lab Chronicle 21

Inorganic Sample Data 23

- Metals Data 23
  - Met Cover Page 24
  - Met Sample Data 25
  - Met QC Data 26
    - Met ICV/CCV 26
    - Met CRQL 30
    - Met Blanks 33
    - Met ICSA/ICSAB 39
    - Met MS/MSD/PDS 43
    - Met LCS/LCSD 48
    - Met Serial Dilution 50
  - Met MDL 51
  - Met Linear Ranges 55

Table of Contents

Met Preparation Log 56

Met Analysis Run Log 58

Met Raw Data 72

Met Prep Data 233

Shipping and Receiving Documents 237

Client Chain of Custody 237

Job Narrative
680-61154-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
Method(s) 6010C: Due to the high concentration of aluminum, iron, and magnesium, the matrix spike / matrix spike duplicate (MS/MSD) for batch 680-180221 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 6010C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 680-180221 were outside control limits for manganese, calcium, vanadium, and zinc. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010C: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 680-180221 was outside control limits for zinc. Non-homogeneity of the sample matrix is suspected.

Method(s) 6010C: The post digestion spike % recovery for aluminum and iron was outside of control limits.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-61154-1	IV-B82-GTM4-01	Solid	09/10/2010 0930	09/11/2010 1036

EXECUTIVE SUMMARY - Detections

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
680-61154-1	**IV-B82-GTM4-01**					
Aluminum		6600	J	22	mg/Kg	6010C
Nickel		6.4		4.4	mg/Kg	6010C
Lead		7.8		1.1	mg/Kg	6010C
Magnesium		2900	J	55	mg/Kg	6010C
Iron		13000	J	22	mg/Kg	6010C
Manganese		180	J	1.1	mg/Kg	6010C
Potassium		350		110	mg/Kg	6010C
Chromium		9.6		1.1	mg/Kg	6010C
Copper		6.9		2.7	mg/Kg	6010C
Barium		16		1.1	mg/Kg	6010C
Beryllium		0.49		0.44	mg/Kg	6010C
Arsenic		0.94	J	2.2	mg/Kg	6010C
Calcium		1500	J	55	mg/Kg	6010C
Cobalt		3.6		1.1	mg/Kg	6010C
Vanadium		25	J	1.1	mg/Kg	6010C
Zinc		46	J	2.2	mg/Kg	6010C
Percent Moisture		14		0.010	%	Moisture

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SAV	SW846 7471B	
Preparation, Mercury	TAL SAV		SW846 7471B
Percent Moisture	TAL SAV	EPA Moisture	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Method	Analyst	Analyst ID
SW846 6010C	Bland, Brian	BCB
SW846 7471B	Eaton, Cliff	CE
EPA Moisture	Swafford, Frances	FS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Client Sample ID: **IV-B82-GTM4-01**

Lab Sample ID: 680-61154-1
Client Matrix: Solid
% Moisture: 13.8

Date Sampled: 09/10/2010 0930
Date Received: 09/11/2010 1036

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-180410		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-180221		Lab File ID:	091810.chr
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Date Analyzed:	09/18/2010 1124			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2010 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6600	J	11	22
Antimony		0.58	U	0.58	2.2
Selenium		1.1	U	1.1	2.7
Nickel		6.4		0.34	4.4
Lead		7.8		0.58	1.1
Magnesium		2900	J	2.6	55
Iron		13000	J	7.7	22
Manganese		180	J	0.33	1.1
Potassium		350		8.8	110
Chromium		9.6		0.55	1.1
Copper		6.9		1.2	2.7
Barium		16		0.33	1.1
Beryllium		0.49		0.022	0.44
Silver		0.11	U	0.11	1.1
Arsenic		0.94	J	0.65	2.2
Cadmium		0.11	U	0.11	0.55
Calcium		1500	J	22	55
Cobalt		3.6		0.13	1.1
Sodium		90	U	90	220
Thallium		1.1	U	1.1	2.7
Vanadium		25	J	0.26	1.1
Zinc		46	J	1.3	2.2

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-179917		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-179745		Lab File ID:	b091410.chr
Dilution:	1.0			Initial Weight/Volume:	0.54 g
Date Analyzed:	09/14/2010 1846			Final Weight/Volume:	50 mL
Date Prepared:	09/13/2010 1305				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0088	U	0.0088	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

General Chemistry

Client Sample ID: **IV-B82-GTM4-01**

Lab Sample ID: 680-61154-1
Client Matrix: Solid

Date Sampled: 09/10/2010 0930
Date Received: 09/11/2010 1036

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-179704 Date Analyzed: 09/13/2010 0958 DryWt Corrected: N

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Method Blank - Batch: 680-180221

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 680-180221/9-A	Analysis Batch:	680-180410	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-180221	Lab File ID:	091810.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	09/18/2010 1114			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2010 1000				

Analyte	Result	Qual	MDL	RL
Aluminum	10	U	10	20
Antimony	0.53	U	0.53	2.0
Selenium	1.0	U	1.0	2.5
Nickel	0.31	U	0.31	4.0
Lead	0.53	U	0.53	1.0
Magnesium	2.4	U	2.4	50
Iron	7.0	U	7.0	20
Manganese	0.30	U	0.30	1.0
Potassium	8.0	U	8.0	100
Chromium	0.50	U	0.50	1.0
Copper	1.1	U	1.1	2.5
Barium	0.30	U	0.30	1.0
Beryllium	0.020	U	0.020	0.40
Silver	0.096	U	0.096	1.0
Arsenic	0.59	U	0.59	2.0
Cadmium	0.10	U	0.10	0.50
Calcium	20	U	20	50
Cobalt	0.12	U	0.12	1.0
Sodium	82	U	82	200
Thallium	0.99	U	0.99	2.5
Vanadium	0.24	U	0.24	1.0
Zinc	1.2	U	1.2	2.0

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Lab Control Sample - Batch: 680-180221

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 680-180221/10-A	Analysis Batch:	680-180410	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-180221	Lab File ID:	091810.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	09/18/2010 1119			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2010 1000				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	194	97	75 - 125	
Antimony	50.0	48.1	96	75 - 125	
Selenium	200	200	100	75 - 125	
Nickel	50.0	50.2	100	75 - 125	
Lead	50.0	49.8	100	75 - 125	
Magnesium	500	498	100	75 - 125	
Iron	100	102	102	75 - 125	
Manganese	50.0	50.3	101	75 - 125	
Potassium	500	481	96	75 - 125	
Chromium	20.0	20.2	101	75 - 125	
Copper	25.0	25.2	101	75 - 125	
Barium	200	202	101	75 - 125	
Beryllium	5.00	4.96	99	75 - 125	
Silver	5.00	4.92	98	75 - 125	
Arsenic	200	199	99	75 - 125	
Cadmium	5.00	5.03	101	75 - 125	
Calcium	500	494	99	75 - 125	
Cobalt	50.0	50.0	100	75 - 125	
Sodium	500	476	95	75 - 125	
Thallium	200	206	103	75 - 125	
Vanadium	50.0	49.3	99	75 - 125	
Zinc	50.0	51.1	102	75 - 125	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Post Digestion Spike - Batch: 680-180221

Method: 6010C
Preparation: 3050B

Lab Sample ID: 680-61154-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/18/2010 1135
Date Prepared: 09/17/2010 1000

Analysis Batch: 680-180410
Prep Batch: 680-180221
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 091810.chr
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	6600		219	6710	32	75 - 125	J
Antimony	0.58	U	54.7	48.9	89	75 - 125	
Selenium	1.1	U	219	202	92	75 - 125	
Nickel	6.4		54.7	55.6	90	75 - 125	
Lead	7.8		54.7	56.9	90	75 - 125	
Magnesium	2900		547	3350	86	75 - 125	
Iron	13000		109	13200	-183	75 - 125	J
Manganese	180		54.7	230	85	75 - 125	
Potassium	350		547	884	98	75 - 125	
Chromium	9.6		21.9	29.5	91	75 - 125	
Copper	6.9		27.4	32.1	92	75 - 125	
Barium	16		219	222	94	75 - 125	
Beryllium	0.49		5.47	5.52	92	75 - 125	
Silver	0.11	U	5.47	4.90	90	75 - 125	
Arsenic	0.94	J	219	203	92	75 - 125	
Cadmium	0.11	U	5.47	5.02	92	75 - 125	
Calcium	1500		547	1930	84	75 - 125	
Cobalt	3.6		54.7	53.2	91	75 - 125	
Sodium	90	U	547	491	90	75 - 125	
Thallium	1.1	U	219	206	94	75 - 125	
Vanadium	25		54.7	73.0	87	75 - 125	
Zinc	46		54.7	95.0	90	75 - 125	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-180221

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-61154-1	Analysis Batch:	680-180410	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-180221	Lab File ID:	091810.chr
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Date Analyzed:	09/18/2010 1140			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2010 1000				

MSD Lab Sample ID:	680-61154-1	Analysis Batch:	680-180410	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-180221	Lab File ID:	091810.chr
Dilution:	1.0			Initial Weight/Volume:	1.06 g
Date Analyzed:	09/18/2010 1145			Final Weight/Volume:	100 mL
Date Prepared:	09/17/2010 1000				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	-940	-1127	75 - 125	9	20	4	4
Antimony	93	99	75 - 125	6	20		
Selenium	98	102	75 - 125	4	20		
Nickel	94	96	75 - 125	2	20		
Lead	91	97	75 - 125	6	20		
Magnesium	-109	-158	75 - 125	12	20	4	4
Iron	-4558	-5494	75 - 125	13	20	4	4
Manganese	-34	-66	75 - 125	11	20	J	J
Potassium	93	89	75 - 125	2	20		
Chromium	84	95	75 - 125	8	20		
Copper	93	95	75 - 125	2	20		
Barium	98	103	75 - 125	5	20		
Beryllium	95	99	75 - 125	5	20		
Silver	96	100	75 - 125	5	20		
Arsenic	97	102	75 - 125	4	20		
Cadmium	98	102	75 - 125	4	20		
Calcium	70	58	75 - 125	4	20	J	J
Cobalt	95	99	75 - 125	3	20		
Sodium	96	103	75 - 125	6	20		
Thallium	100	105	75 - 125	5	20		
Vanadium	69	73	75 - 125	3	20	J	J
Zinc	178	114	75 - 125	28	20	J	J

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-180221

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-61154-1	Units: mg/Kg	MSD Lab Sample ID:	680-61154-1
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/18/2010 1140		Date Analyzed:	09/18/2010 1145
Date Prepared:	09/17/2010 1000		Date Prepared:	09/17/2010 1000

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aluminum	6600		219	219	4580	4	4170	4
Antimony	0.58	U	54.7	54.7	51.0		54.0	
Selenium	1.1	U	219	219	214		222	
Nickel	6.4		54.7	54.7	57.7		59.0	
Lead	7.8		54.7	54.7	57.6		61.0	
Magnesium	2900		547	547	2280	4	2020	4
Iron	13000		109	109	8370	4	7350	4
Manganese	180		54.7	54.7	165	J	147	J
Potassium	350		547	547	857		837	
Chromium	9.6		21.9	21.9	28.1		30.4	
Copper	6.9		27.4	27.4	32.2		33.0	
Barium	16		219	219	231		242	
Beryllium	0.49		5.47	5.47	5.67		5.93	
Silver	0.11	U	5.47	5.47	5.24		5.49	
Arsenic	0.94	J	219	219	214		224	
Cadmium	0.11	U	5.47	5.47	5.36		5.58	
Calcium	1500		547	547	1850	J	1790	J
Cobalt	3.6		54.7	54.7	55.8		57.6	
Sodium	90	U	547	547	528		561	
Thallium	1.1	U	219	219	219		229	
Vanadium	25		54.7	54.7	63.3	J	65.2	J
Zinc	46		54.7	54.7	143	J	108	J

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Serial Dilution - Batch: 680-180221

Method: 6010C
Preparation: 3050B

Lab Sample ID: 680-61154-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 09/18/2010 1130
Date Prepared: 09/17/2010 1000

Analysis Batch: 680-180410
Prep Batch: 680-180221
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 091810.chr
Initial Weight/Volume: 1.06 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	6600		6730	1.3	10	
Antimony	0.58	U	2.9	NC	10	U
Selenium	1.1	U	5.5	NC	10	U
Nickel	6.4		5.91	NC	10	J
Lead	7.8		8.73	NC	10	
Magnesium	2900		2940	2.0	10	
Iron	13000		13700	2.4	10	
Manganese	180		189	2.6	10	
Potassium	350		344	NC	10	J
Chromium	9.6		9.84	NC	10	
Copper	6.9		6.75	NC	10	J
Barium	16		16.1	0.35	10	
Beryllium	0.49		0.505	NC	10	J
Silver	0.11	U	0.53	NC	10	U
Arsenic	0.94	J	3.2	NC	10	U
Cadmium	0.11	U	0.55	NC	10	U
Calcium	1500		1480	0.37	10	
Cobalt	3.6		3.57	NC	10	J
Sodium	90	U	450	NC	10	U
Thallium	1.1	U	5.4	NC	10	U
Vanadium	25		24.7	2.8	10	
Zinc	46		47.6	NC	10	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Method Blank - Batch: 680-179745

Method: 7471B
Preparation: 7471B

Lab Sample ID: MB 680-179745/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2010 1723
Date Prepared: 09/13/2010 1305

Analysis Batch: 680-179917
Prep Batch: 680-179745
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b091410.chr
Initial Weight/Volume: 0.53 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Hg	0.0077	U	0.0077	0.019

Lab Control Sample - Batch: 680-179745

Method: 7471B
Preparation: 7471B

Lab Sample ID: LCS 680-179745/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2010 1727
Date Prepared: 09/13/2010 1305

Analysis Batch: 680-179917
Prep Batch: 680-179745
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b091410.chr
Initial Weight/Volume: 0.53 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.236	0.214	91	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-179745

Method: 7471B
Preparation: 7471B

MS Lab Sample ID: 680-61109-A-2-E MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2010 1735
Date Prepared: 09/13/2010 1305

Analysis Batch: 680-179917
Prep Batch: 680-179745

Instrument ID: LEEMAN1
Lab File ID: b091410.chr
Initial Weight/Volume: 0.54 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-61109-A-2-F MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2010 1738
Date Prepared: 09/13/2010 1305

Analysis Batch: 680-179917
Prep Batch: 680-179745

Instrument ID: LEEMAN1
Lab File ID: b091410.chr
Initial Weight/Volume: 0.54 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hg	78	98	80 - 120	13	20	J	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-179745

Method: 7471B
Preparation: 7471B

MS Lab Sample ID:	680-61109-A-2-E MS	Units: mg/Kg	MSD Lab Sample ID:	680-61109-A-2-F MSD
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/14/2010 1735		Date Analyzed:	09/14/2010 1738
Date Prepared:	09/13/2010 1305		Date Prepared:	09/13/2010 1305

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual
Hg	0.056	0.105	0.101	0.137	J	0.156

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	U	Undetected at the Limit of Detection.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
Sdg Number: 67743

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-179745					
LCS 680-179745/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-179745/1-A	Method Blank	T	Solid	7471B	
680-61109-A-2-E MS	Matrix Spike	T	Solid	7471B	
680-61109-A-2-F MSD	Matrix Spike Duplicate	T	Solid	7471B	
680-61154-1	IV-B82-GTM4-01	T	Solid	7471B	
Analysis Batch:680-179917					
LCS 680-179745/2-A	Lab Control Sample	T	Solid	7471B	680-179745
MB 680-179745/1-A	Method Blank	T	Solid	7471B	680-179745
680-61109-A-2-E MS	Matrix Spike	T	Solid	7471B	680-179745
680-61109-A-2-F MSD	Matrix Spike Duplicate	T	Solid	7471B	680-179745
680-61154-1	IV-B82-GTM4-01	T	Solid	7471B	680-179745
Prep Batch: 680-180221					
LCS 680-180221/10-A	Lab Control Sample	T	Solid	3050B	
MB 680-180221/9-A	Method Blank	T	Solid	3050B	
680-61154-1	IV-B82-GTM4-01	T	Solid	3050B	
680-61154-1MS	Matrix Spike	T	Solid	3050B	
680-61154-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
Analysis Batch:680-180410					
LCS 680-180221/10-A	Lab Control Sample	T	Solid	6010C	680-180221
MB 680-180221/9-A	Method Blank	T	Solid	6010C	680-180221
680-61154-1	IV-B82-GTM4-01	T	Solid	6010C	680-180221
680-61154-1MS	Matrix Spike	T	Solid	6010C	680-180221
680-61154-1MSD	Matrix Spike Duplicate	T	Solid	6010C	680-180221

Report Basis
T = Total

General Chemistry

Analysis Batch:680-179704					
680-61154-1	IV-B82-GTM4-01	T	Solid	Moisture	

Report Basis
T = Total

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
SDG: 67743

Laboratory Chronicle

Lab ID: **680-61154-1** **Client ID:** **IV-B82-GTM4-01**

Sample Date/Time: 09/10/2010 09:30 Received Date/Time: 09/11/2010 10:36

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61154-A-1-F		680-180410	680-180221	09/17/2010 10:00	1	TAL SAV	HM
A:6010C	680-61154-A-1-F		680-180410	680-180221	09/18/2010 11:24	1	TAL SAV	BCB
P:7471B	680-61154-A-1-B		680-179917	680-179745	09/13/2010 13:05	1	TAL SAV	JV
A:7471B	680-61154-A-1-B		680-179917	680-179745	09/14/2010 18:46	1	TAL SAV	CE
A:Moisture	680-61154-A-1		680-179704		09/13/2010 09:58	1	TAL SAV	FS

Lab ID: **680-61154-1 MS** **Client ID:** **IV-B82-GTM4-01**

Sample Date/Time: 09/10/2010 09:30 Received Date/Time: 09/11/2010 10:36

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61154-A-1-G MS		680-180410	680-180221	09/17/2010 10:00	1	TAL SAV	HM
A:6010C	680-61154-A-1-G MS		680-180410	680-180221	09/18/2010 11:40	1	TAL SAV	BCB

Lab ID: **680-61154-1 MSD** **Client ID:** **IV-B82-GTM4-01**

Sample Date/Time: 09/10/2010 09:30 Received Date/Time: 09/11/2010 10:36

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61154-A-1-H MSD		680-180410	680-180221	09/17/2010 10:00	1	TAL SAV	HM
A:6010C	680-61154-A-1-H MSD		680-180410	680-180221	09/18/2010 11:45	1	TAL SAV	BCB

Lab ID: **680-61154-1 SD** **Client ID:** **IV-B82-GTM4-01**

Sample Date/Time: 09/10/2010 09:30 Received Date/Time: 09/11/2010 10:36

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61154-A-1-F SD		680-180410	680-180221	09/17/2010 10:00	5	TAL SAV	HM
A:6010C	680-61154-A-1-F SD		680-180410	680-180221	09/18/2010 11:30	5	TAL SAV	BCB
P:3050B	680-61154-A-1-F PDS		680-180410	680-180221	09/17/2010 10:00	1	TAL SAV	HM
A:6010C	680-61154-A-1-F PDS		680-180410	680-180221	09/18/2010 11:35	1	TAL SAV	BCB

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61154-1
SDG: 67743

Laboratory Chronicle

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	MB 680-180221/9-A		680-180410	680-180221	09/17/2010 10:00	1	TAL SAV	HM
A:6010C	MB 680-180221/9-A		680-180410	680-180221	09/18/2010 11:14	1	TAL SAV	BCB
P:7471B	MB 680-179745/1-A		680-179917	680-179745	09/13/2010 13:05	1	TAL SAV	JV
A:7471B	MB 680-179745/1-A		680-179917	680-179745	09/14/2010 17:23	1	TAL SAV	CE

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCS 680-180221/10-A		680-180410	680-180221	09/17/2010 10:00	1	TAL SAV	HM
A:6010C	LCS 680-180221/10-A		680-180410	680-180221	09/18/2010 11:19	1	TAL SAV	BCB
P:7471B	LCS 680-179745/2-A		680-179917	680-179745	09/13/2010 13:05	1	TAL SAV	JV
A:7471B	LCS 680-179745/2-A		680-179917	680-179745	09/14/2010 17:27	1	TAL SAV	CE

Lab ID: **MS** **Client ID:** **N/A**

Sample Date/Time: 09/09/2010 10:00 Received Date/Time: 09/10/2010 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	680-61109-A-2-E MS		680-179917	680-179745	09/13/2010 13:05	1	TAL SAV	JV
A:7471B	680-61109-A-2-E MS		680-179917	680-179745	09/14/2010 17:35	1	TAL SAV	CE

Lab ID: **MSD** **Client ID:** **N/A**

Sample Date/Time: 09/09/2010 10:00 Received Date/Time: 09/10/2010 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	680-61109-A-2-F MSD		680-179917	680-179745	09/13/2010 13:05	1	TAL SAV	JV
A:7471B	680-61109-A-2-F MSD		680-179917	680-179745	09/14/2010 17:38	1	TAL SAV	CE

Lab References:
TAL SAV = TestAmerica Savannah

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-61154-1

SDG No.: 67743

Project: South Weymouth B82

Client Sample ID	Lab Sample ID
IV-B82-GTM4-01	680-61154-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: IV-B82-GTM4-01
Lab Sample ID: 680-61154-1
Lab Name: TestAmerica Savannah
Job No.: 680-61154-1
SDG ID.: 67743
Matrix: Solid
Date Sampled: 09/10/2010 09:30
Reporting Basis: DRY
Date Received: 09/11/2010 10:36
% Solids: 86.2

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6600	22	11	mg/Kg		J	1	6010C
7440-36-0	Antimony	0.58	2.2	0.58	mg/Kg	U		1	6010C
7782-49-2	Selenium	1.1	2.7	1.1	mg/Kg	U		1	6010C
7440-02-0	Nickel	6.4	4.4	0.34	mg/Kg			1	6010C
7439-92-1	Lead	7.8	1.1	0.58	mg/Kg			1	6010C
7439-95-4	Magnesium	2900	55	2.6	mg/Kg		J	1	6010C
7439-89-6	Iron	13000	22	7.7	mg/Kg		J	1	6010C
7439-96-5	Manganese	180	1.1	0.33	mg/Kg		J	1	6010C
7440-09-7	Potassium	350	110	8.8	mg/Kg			1	6010C
7440-47-3	Chromium	9.6	1.1	0.55	mg/Kg			1	6010C
7440-50-8	Copper	6.9	2.7	1.2	mg/Kg			1	6010C
7440-39-3	Barium	16	1.1	0.33	mg/Kg			1	6010C
7440-41-7	Beryllium	0.49	0.44	0.022	mg/Kg			1	6010C
7440-22-4	Silver	0.11	1.1	0.11	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.94	2.2	0.65	mg/Kg	J		1	6010C
7440-43-9	Cadmium	0.11	0.55	0.11	mg/Kg	U		1	6010C
7440-70-2	Calcium	1500	55	22	mg/Kg		J	1	6010C
7440-48-4	Cobalt	3.6	1.1	0.13	mg/Kg			1	6010C
7440-23-5	Sodium	90	220	90	mg/Kg	U		1	6010C
7440-28-0	Thallium	1.1	2.7	1.1	mg/Kg	U		1	6010C
7440-62-2	Vanadium	25	1.1	0.26	mg/Kg		J	1	6010C
7440-66-6	Zinc	46	2.2	1.3	mg/Kg		J	1	6010C
7439-97-6	Hg	0.0088	0.021	0.0088	mg/Kg	U		1	7471B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	ICV 680-180410/4 09/18/2010 09:20				CCV 680-180410/10 09/18/2010 10:13				CCV 680-180410/19 09/18/2010 11:50			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	971		1000	97	4870		5000	97	4850		5000	97
Antimony	947		1000	95	496		500	99	492		500	98
Arsenic	1000		1000	100	499		500	100	494		500	99
Barium	982		1000	98	4990		5000	100	4960		5000	99
Beryllium	978		1000	98	498		500	100	493		500	99
Cadmium	989		1000	99	498		500	100	494		500	99
Calcium	973		1000	97	4930		5000	99	4900		5000	98
Chromium	989		1000	99	4980		5000	100	4930		5000	99
Cobalt	976		1000	98	493		500	99	488		500	98
Copper	990		1000	99	4950		5000	99	4920		5000	98
Iron	1000		1000	100	4960		5000	99	4910		5000	98
Lead	973		1000	97	499		500	100	496		500	99
Magnesium	982		1000	98	4960		5000	99	4910		5000	98
Manganese	984		1000	98	4980		5000	100	4940		5000	99
Nickel	986		1000	99	2490		2500	99	2470		2500	99
Potassium	19200		20000	96	9850		10000	98	9760		10000	98
Selenium	991		1000	99	5000		5000	100	4970		5000	99
Silver	959		1000	96	493		500	99	487		500	97
Sodium	9720		10000	97	7310		7500	97	7200		7500	96
Thallium	972		1000	97	5010		5000	100	4970		5000	99
Vanadium	966		1000	97	4970		5000	99	4910		5000	98
Zinc	993		1000	99	2510		2500	100	2480		2500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	CCV 680-180410/224 09/19/2010 08:09				CCV 680-180410/234 09/19/2010 09:05							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4870		5000	97	4870		5000	97				
Antimony	493		500	99	492		500	98				
Arsenic	492		500	98	498		500	100				
Barium	4870		5000	97	4870		5000	97				
Beryllium	490		500	98	493		500	99				
Cadmium	499		500	100	502		500	100				
Calcium	4900		5000	98	4920		5000	98				
Chromium	4950		5000	99	4990		5000	100				
Cobalt	489		500	98	492		500	98				
Copper	4830		5000	97	4840		5000	97				
Iron	4860		5000	97	4870		5000	97				
Lead	503		500	101	508		500	102				
Magnesium	5010		5000	100	5040		5000	101				
Manganese	4940		5000	99	4970		5000	99				
Nickel	2480		2500	99	2500		2500	100				
Potassium	9880		10000	99	9860		10000	99				
Selenium	4970		5000	99	4980		5000	100				
Silver	487		500	97	489		500	98				
Sodium	7510		7500	100	7350		7500	98				
Thallium	5030		5000	101	5060		5000	101				
Vanadium	4900		5000	98	4920		5000	98				
Zinc	2460		2500	98	2460		2500	99				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

ICV Source: Hg_CLPICVstk_00002 Concentration Units: ug/L

CCV Source: HG_3.0_std_00090

Analyte	ICV 680-179917/7 09/14/2010 14:57				CCV 680-179917/9 09/14/2010 15:10				CCV 680-179917/20 09/14/2010 15:43			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	3.65		4.00	91	3.05		3.00	102	3.13		3.00	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

ICV Source: Hg_CLPICVstk_00002 Concentration Units: ug/L

CCV Source: HG_3.0_std_00090

Analyte	CCV 680-179917/22 09/14/2010 17:15											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	3.04		3.00	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Analysis Method: 6010C Instrument ID: ICPD

Lab Sample ID: CRI 680-180410/7 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	214		107	50-150
Antimony	20.0	17.4	J	87	50-150
Selenium	20.0	22.0	J	110	50-150
Nickel	40.0	41.2		103	50-150
Lead	10.0	10.7		107	50-150
Magnesium	500	503		101	50-150
Iron	50.0	70	U	101	50-150
Manganese	10.0	10.0		100	50-150
Potassium	1000	975	J	98	50-150
Chromium	10.0	9.89	J	99	50-150
Copper	20.0	21.3		106	50-150
Barium	10.0	10.1		101	50-150
Beryllium	4.00	3.96	J	99	50-150
Silver	10.0	10.3		103	50-150
Arsenic	20.0	17.7	J	88	50-150
Cadmium	5.00	4.94	J	99	50-150
Calcium	500	501		100	50-150
Cobalt	10.0	9.91	J	99	50-150
Sodium	1000	837	J	84	50-150
Thallium	25.0	30.9		124	50-150
Vanadium	10.0	10.1		101	50-150
Zinc	20.0	22.0		110	50-150

Lab Sample ID: CRI 680-180410/231 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	210		105	50-150
Antimony	20.0	19.5	J	97	50-150
Selenium	20.0	25.4		127	50-150
Nickel	40.0	40.6		102	50-150
Lead	10.0	8.97	J	90	50-150
Magnesium	500	504		101	50-150
Iron	50.0	70	U	120	50-150
Manganese	10.0	9.83	J	98	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Analysis Method: 6010C Instrument ID: ICPD

Lab Sample ID: CRI 680-180410/231 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Potassium	1000	992	J	99	50-150
Chromium	10.0	9.91	J	99	50-150
Copper	20.0	20.0		100	50-150
Barium	10.0	9.71	J	97	50-150
Beryllium	4.00	3.92	J	98	50-150
Silver	10.0	9.86	J	99	50-150
Arsenic	20.0	19.6	J	98	50-150
Cadmium	5.00	4.88	J	98	50-150
Calcium	500	496	J	99	50-150
Cobalt	10.0	9.62	J	96	50-150
Sodium	1000	1000	J	100	50-150
Thallium	25.0	26.7		107	50-150
Vanadium	10.0	10.5		105	50-150
Zinc	20.0	21.0		105	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Analysis Method: 7471B Instrument ID: LEEMAN1

Lab Sample ID: CRA 680-179917/11 Concentration Units: ug/L

CRQL Check Standard Source: HG_0.2_std_00101

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Hg	0.200	0.143	J	72	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Concentration Units: ug/L

Analyte	RL	ICB 680-180410/5 09/18/2010 09:27		CCB 680-180410/11 09/18/2010 10:21		CCB 680-180410/20 09/18/2010 11:55		CCB 680-180410/225 09/19/2010 08:14	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	100	U	100	U	100	U	100	U
Antimony	20	5.3	U	5.3	U	5.3	U	5.3	U
Arsenic	20	5.9	U	5.9	U	5.9	U	5.9	U
Barium	10	3.0	U	3.0	U	3.0	U	3.0	U
Beryllium	4.0	0.20	U	0.20	U	0.20	U	0.20	U
Cadmium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	500	200	U	200	U	200	U	200	U
Chromium	10	5.0	U	5.0	U	5.0	U	5.0	U
Cobalt	10	1.2	U	1.2	U	1.2	U	1.2	U
Copper	20	11	U	11	U	11	U	11	U
Iron	200	70	U	70	U	70	U	70	U
Lead	10	5.3	U	5.3	U	5.3	U	5.3	U
Magnesium	500	24	U	24	U	24	U	24	U
Manganese	10	3.0	U	3.0	U	3.0	U	3.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	1000	80	U	80	U	80	U	80	U
Selenium	25	10	U	10	U	10	U	10	U
Silver	10	0.96	U	0.96	U	0.96	U	0.96	U
Sodium	2000	820	U	820	U	820	U	820	U
Thallium	25	9.9	U	9.9	U	9.9	U	9.9	U
Vanadium	10	2.4	U	2.4	U	2.4	U	2.4	U
Zinc	20	12	U	12	U	12	U	12	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Concentration Units: ug/L

Analyte	RL	CCB 680-180410/235 09/19/2010 09:10							
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	100	U						
Antimony	20	5.3	U						
Arsenic	20	5.9	U						
Barium	10	3.0	U						
Beryllium	4.0	0.20	U						
Cadmium	5.0	1.0	U						
Calcium	500	200	U						
Chromium	10	5.0	U						
Cobalt	10	1.2	U						
Copper	20	11	U						
Iron	200	70	U						
Lead	10	5.3	U						
Magnesium	500	24	U						
Manganese	10	3.0	U						
Nickel	40	3.0	U						
Potassium	1000	80	U						
Selenium	25	10	U						
Silver	10	0.96	U						
Sodium	2000	820	U						
Thallium	25	9.9	U						
Vanadium	10	2.4	U						
Zinc	20	12	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Concentration Units: ug/L

Analyte	RL	ICB 680-179917/8 09/14/2010 15:00		CCB 680-179917/10 09/14/2010 15:13		CCB 680-179917/21 09/14/2010 15:46		CCB 680-179917/23 09/14/2010 17:19	
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	0.080	U	0.080	U	0.080	U	0.080	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Concentration Units: ug/L

Analyte	RL	CCB 680-179917/33 09/14/2010 17:50		CCB 680-179917/45 09/14/2010 18:27		CCB 680-179917/53 09/14/2010 18:52			
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	0.080	U	0.080	U	0.080	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Concentration Units: mg/Kg Lab Sample ID: MB 680-180221/9-A

Instrument Code: ICPD Batch No.: 180410

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	10	U		6010C
7440-36-0	Antimony	0.53	U		6010C
7782-49-2	Selenium	1.0	U		6010C
7440-02-0	Nickel	0.31	U		6010C
7439-92-1	Lead	0.53	U		6010C
7439-95-4	Magnesium	2.4	U		6010C
7439-89-6	Iron	7.0	U		6010C
7439-96-5	Manganese	0.30	U		6010C
7440-09-7	Potassium	8.0	U		6010C
7440-47-3	Chromium	0.50	U		6010C
7440-50-8	Copper	1.1	U		6010C
7440-39-3	Barium	0.30	U		6010C
7440-41-7	Beryllium	0.020	U		6010C
7440-22-4	Silver	0.096	U		6010C
7440-38-2	Arsenic	0.59	U		6010C
7440-43-9	Cadmium	0.10	U		6010C
7440-70-2	Calcium	20	U		6010C
7440-48-4	Cobalt	0.12	U		6010C
7440-23-5	Sodium	82	U		6010C
7440-28-0	Thallium	0.99	U		6010C
7440-62-2	Vanadium	0.24	U		6010C
7440-66-6	Zinc	1.2	U		6010C

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Concentration Units: mg/Kg Lab Sample ID: MB 680-179745/1-A

Instrument Code: LEEMAN1 Batch No.: 179917

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Hg	0.0077	U		7471B

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Lab Sample ID: ICSA 680-180410/8 Instrument ID: ICPD

Lab File ID: 091810.chr ICS Source: P_ICSA_wk_00022

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**529743**	**106**
Antimony		**3.20**	
Arsenic		**-2.88**	
Barium		**0.878**	
Beryllium		**0.0799**	
Cadmium		**-0.235**	
Calcium	**500000**	**541383**	**108**
Chromium		**1.54**	
Cobalt		**-0.0076**	
Copper		**1.40**	
Iron	**200000**	**194087**	**97**
Lead		**-3.41**	
Magnesium	**500000**	**525281**	**105**
Manganese		**-1.28**	
Nickel		**-0.887**	
Potassium		**-7.51**	
Selenium		**5.03**	
Silver		**0.126**	
Sodium		**21.5**	
Thallium		**-2.50**	
Vanadium		**-9.93**	
Zinc		**3.76**	
Boron		*14.1*	
Molybdenum		*0.184*	
Strontium		*2.40*	
Tin		*-0.543*	
Titanium		*1.80*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Lab Sample ID: ICSAB 680-180410/9 Instrument ID: ICPD

Lab File ID: 091810.chr ICS Source: P_ICSAB_wk_00038

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**521443**	**104**
Antimony	**600**	**614**	**102**
Arsenic	**100**	**99.4**	**99**
Barium	**500**	**533**	**107**
Beryllium	**500**	**515**	**103**
Cadmium	**1000**	**978**	**98**
Calcium	**500000**	**533727**	**107**
Chromium	**500**	**494**	**99**
Cobalt	**500**	**476**	**95**
Copper	**500**	**539**	**108**
Iron	**200000**	**193375**	**97**
Lead	**50.0**	**46.2**	**92**
Magnesium	**500000**	**522194**	**104**
Manganese	**500**	**497**	**99**
Nickel	**1000**	**950**	**95**
Potassium		**-16.9**	
Selenium	**50.0**	**58.8**	**118**
Silver	**200**	**210**	**105**
Sodium		**-145**	
Thallium	**100**	**106**	**106**
Vanadium	**500**	**496**	**99**
Zinc	**1000**	**985**	**98**
Boron		*14.4*	
Molybdenum	*1000*	*995*	*99*
Strontium		*2.40*	
Tin	*1000*	*980*	*98*
Titanium		*1.90*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Lab Sample ID: ICSA 680-180410/232 Instrument ID: ICPD

Lab File ID: 091810.chr ICS Source: P_ICSA_wk_00022

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**515161**	**103**
Antimony		**-1.73**	
Arsenic		**-5.70**	
Barium		**0.671**	
Beryllium		**0.0981**	
Cadmium		**-0.206**	
Calcium	**500000**	**527654**	**106**
Chromium		**1.41**	
Cobalt		**0.419**	
Copper		**1.74**	
Iron	**200000**	**188399**	**94**
Lead		**-3.71**	
Magnesium	**500000**	**523857**	**105**
Manganese		**-1.33**	
Nickel		**0.0281**	
Potassium		**-8.79**	
Selenium		**9.40**	
Silver		**0.455**	
Sodium		**-163**	
Thallium		**4.13**	
Vanadium		**-7.69**	
Zinc		**4.94**	
Boron		*22.5*	
Molybdenum		*-1.28*	
Strontium		*2.35*	
Tin		*3.63*	
Titanium		*1.69*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Lab Sample ID: ICSAB 680-180410/233 Instrument ID: ICPD

Lab File ID: 091810.chr ICS Source: P_ICSAB_wk_00038

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**511453**	**102**
Antimony	**600**	**607**	**101**
Arsenic	**100**	**99.2**	**99**
Barium	**500**	**517**	**103**
Beryllium	**500**	**504**	**101**
Cadmium	**1000**	**975**	**97**
Calcium	**500000**	**522827**	**105**
Chromium	**500**	**489**	**98**
Cobalt	**500**	**470**	**94**
Copper	**500**	**521**	**104**
Iron	**200000**	**187529**	**94**
Lead	**50.0**	**45.9**	**92**
Magnesium	**500000**	**519758**	**104**
Manganese	**500**	**489**	**98**
Nickel	**1000**	**942**	**94**
Potassium		**-8.67**	
Selenium	**50.0**	**57.0**	**114**
Silver	**200**	**205**	**103**
Sodium		**-93.8**	
Thallium	**100**	**102**	**102**
Vanadium	**500**	**485**	**97**
Zinc	**1000**	**955**	**96**
Boron		*22.3*	
Molybdenum	*1000*	*988*	*99*
Strontium		*2.33*	
Tin	*1000*	*981*	*98*
Titanium		*1.84*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: IV-B82-GTM4-01 MS
Lab ID: 680-61154-1 MS
Lab Name: TestAmerica Savannah
Job No.: 680-61154-1
SDG No.: 67743
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 86.2

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	4580		6600		219	-940	75-125	4	6010C
Antimony	51.0		0.58	U	54.7	93	75-125		6010C
Selenium	214		1.1	U	219	98	75-125		6010C
Nickel	57.7		6.4		54.7	94	75-125		6010C
Lead	57.6		7.8		54.7	91	75-125		6010C
Magnesium	2280		2900		547	-109	75-125	4	6010C
Iron	8370		13000		109	-4558	75-125	4	6010C
Manganese	165		180		54.7	-34	75-125	J	6010C
Potassium	857		350		547	93	75-125		6010C
Chromium	28.1		9.6		21.9	84	75-125		6010C
Copper	32.2		6.9		27.4	93	75-125		6010C
Barium	231		16		219	98	75-125		6010C
Beryllium	5.67		0.49		5.47	95	75-125		6010C
Silver	5.24		0.11	U	5.47	96	75-125		6010C
Arsenic	214		0.94	J	219	97	75-125		6010C
Cadmium	5.36		0.11	U	5.47	98	75-125		6010C
Calcium	1850		1500		547	70	75-125	J	6010C
Cobalt	55.8		3.6		54.7	95	75-125		6010C
Sodium	528		90	U	547	96	75-125		6010C
Thallium	219		1.1	U	219	100	75-125		6010C
Vanadium	63.3		25		54.7	69	75-125	J	6010C
Zinc	143		46		54.7	178	75-125	J	6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-61109-A-2-E MS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Matrix: Solid Concentration Units: mg/Kg

% Solids: 88.5

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Hg	0.137		0.056		0.105	78	80-120	J	7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: IV-B82-GTM4-01 MSD
Lab ID: 680-61154-1 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-61154-1
SDG No.: 67743
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 86.2

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	4170		219	-1127	75-125	9	20	4	6010C
Antimony	54.0		54.7	99	75-125	6	20		6010C
Selenium	222		219	102	75-125	4	20		6010C
Nickel	59.0		54.7	96	75-125	2	20		6010C
Lead	61.0		54.7	97	75-125	6	20		6010C
Magnesium	2020		547	-158	75-125	12	20	4	6010C
Iron	7350		109	-5494	75-125	13	20	4	6010C
Manganese	147		54.7	-66	75-125	11	20	J	6010C
Potassium	837		547	89	75-125	2	20		6010C
Chromium	30.4		21.9	95	75-125	8	20		6010C
Copper	33.0		27.4	95	75-125	2	20		6010C
Barium	242		219	103	75-125	5	20		6010C
Beryllium	5.93		5.47	99	75-125	5	20		6010C
Silver	5.49		5.47	100	75-125	5	20		6010C
Arsenic	224		219	102	75-125	4	20		6010C
Cadmium	5.58		5.47	102	75-125	4	20		6010C
Calcium	1790		547	58	75-125	4	20	J	6010C
Cobalt	57.6		54.7	99	75-125	3	20		6010C
Sodium	561		547	103	75-125	6	20		6010C
Thallium	229		219	105	75-125	5	20		6010C
Vanadium	65.2		54.7	73	75-125	3	20	J	6010C
Zinc	108		54.7	114	75-125	28	20	J	6010C

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-61109-A-2-F MSD

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Matrix: Solid Concentration Units: mg/Kg

% Solids: 91.3

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Hg	0.156		0.101	98	80-120	13	20		7471B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: IV-B82-GTM4-01 PDS Lab ID: 680-61154-1 PDS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	6710		6600		219	32	75-125	J	6010C
Antimony	48.9		0.58	U	54.7	89	75-125		6010C
Selenium	202		1.1	U	219	92	75-125		6010C
Nickel	55.6		6.4		54.7	90	75-125		6010C
Lead	56.9		7.8		54.7	90	75-125		6010C
Magnesium	3350		2900		547	86	75-125		6010C
Iron	13200		13000		109	-183	75-125	J	6010C
Manganese	230		180		54.7	85	75-125		6010C
Potassium	884		350		547	98	75-125		6010C
Chromium	29.5		9.6		21.9	91	75-125		6010C
Copper	32.1		6.9		27.4	92	75-125		6010C
Barium	222		16		219	94	75-125		6010C
Beryllium	5.52		0.49		5.47	92	75-125		6010C
Silver	4.90		0.11	U	5.47	90	75-125		6010C
Arsenic	203		0.94	J	219	92	75-125		6010C
Cadmium	5.02		0.11	U	5.47	92	75-125		6010C
Calcium	1930		1500		547	84	75-125		6010C
Cobalt	53.2		3.6		54.7	91	75-125		6010C
Sodium	491		90	U	547	90	75-125		6010C
Thallium	206		1.1	U	219	94	75-125		6010C
Vanadium	73.0		25		54.7	87	75-125		6010C
Zinc	95.0		46		54.7	90	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-180221/10-A

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

Sample Matrix: Solid LCS Source: P_TEFLONCH_00007

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	200	194		97	75	125		6010C
Antimony	50.0	48.1		96	75	125		6010C
Selenium	200	200		100	75	125		6010C
Nickel	50.0	50.2		100	75	125		6010C
Lead	50.0	49.8		100	75	125		6010C
Magnesium	500	498		100	75	125		6010C
Iron	100	102		102	75	125		6010C
Manganese	50.0	50.3		101	75	125		6010C
Potassium	500	481		96	75	125		6010C
Chromium	20.0	20.2		101	75	125		6010C
Copper	25.0	25.2		101	75	125		6010C
Barium	200	202		101	75	125		6010C
Beryllium	5.00	4.96		99	75	125		6010C
Silver	5.00	4.92		98	75	125		6010C
Arsenic	200	199		99	75	125		6010C
Cadmium	5.00	5.03		101	75	125		6010C
Calcium	500	494		99	75	125		6010C
Cobalt	50.0	50.0		100	75	125		6010C
Sodium	500	476		95	75	125		6010C
Thallium	200	206		103	75	125		6010C
Vanadium	50.0	49.3		99	75	125		6010C
Zinc	50.0	51.1		102	75	125		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-179745/2-A

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

Sample Matrix: Solid LCS Source: Hg_Int_Cal_00048

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Hg	0.236	0.214		91	80	120		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 680-61154-1

SDG No: 67743

Lab Name: TestAmerica Savannah Job No: 680-61154-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	6600		6730		1.3		6010C
Antimony	0.58	U	2.9	U	NC		6010C
Selenium	1.1	U	5.5	U	NC		6010C
Nickel	6.4		5.91	J	NC		6010C
Lead	7.8		8.73		NC		6010C
Magnesium	2900		2940		2.0		6010C
Iron	13000		13700		2.4		6010C
Manganese	180		189		2.6		6010C
Potassium	350		344	J	NC		6010C
Chromium	9.6		9.84		NC		6010C
Copper	6.9		6.75	J	NC		6010C
Barium	16		16.1		0.35		6010C
Beryllium	0.49		0.505	J	NC		6010C
Silver	0.11	U	0.53	U	NC		6010C
Arsenic	0.94	J	3.2	U	NC		6010C
Cadmium	0.11	U	0.55	U	NC		6010C
Calcium	1500		1480		0.37		6010C
Cobalt	3.6		3.57	J	NC		6010C
Sodium	90	U	450	U	NC		6010C
Thallium	1.1	U	5.4	U	NC		6010C
Vanadium	25		24.7		2.8		6010C
Zinc	46		47.6		NC		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-61154-1

SDG Number: 67743

Matrix: Solid Instrument ID: ICPD

Analysis Method: 6010C MDL Date: 06/02/2009 00:00

Prep Method: 3050B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		20	10
Antimony		2	0.53
Arsenic		2	0.59
Barium		1	0.3
Beryllium		0.4	0.02
Cadmium		0.5	0.1
Calcium		50	20
Chromium		1	0.5
Cobalt		1	0.12
Copper		2.5	1.1
Iron		20	7
Lead		1	0.53
Magnesium		50	2.4
Manganese		1	0.3
Nickel		4	0.31
Potassium		100	8
Selenium		2.5	1
Silver		1	0.096
Sodium		200	82
Thallium		2.5	0.99
Vanadium		1	0.24
Zinc		2	1.2

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-61154-1

SDG Number: 67743

Matrix: Solid Instrument ID: ICPD

Analysis Method: 6010C XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	100
Antimony		20	5.3
Arsenic		20	5.9
Barium		10	3
Beryllium		4	0.2
Cadmium		5	1
Calcium		500	200
Chromium		10	5
Cobalt		10	1.2
Copper		20	11
Iron		200	70
Lead		10	5.3
Magnesium		500	24
Manganese		10	3
Nickel		40	3
Potassium		1000	80
Selenium		25	10
Silver		10	0.96
Sodium		2000	820
Thallium		25	9.9
Vanadium		10	2.4
Zinc		20	12

FORM IX - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-61154-1

SDG Number: 67743

Matrix: Solid Instrument ID: LEEMAN1

Analysis Method: 7471B MDL Date: 06/02/2009 00:00

Prep Method: 7471B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Hg		0.02	0.0082

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-61154-1

SDG Number: 67743

Matrix: Solid Instrument ID: LEEMAN1

Analysis Method: 7471B XMDL Date: 06/01/2008 15:53

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Hg		0.2	0.08

FORM IX - IN

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Savannah Job No: 680-61154-1

SDG No.: 67743

Instrument ID: ICPD Date: 01/25/2010 13:16

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		720000	6010C
Antimony		45000	6010C
Selenium		22500	6010C
Nickel		9000	6010C
Lead		18000	6010C
Magnesium		450000	6010C
Iron		900000	6010C
Manganese		27000	6010C
Potassium		31500	6010C
Chromium		22500	6010C
Copper		45000	6010C
Barium		18000	6010C
Beryllium		9000	6010C
Silver		1800	6010C
Arsenic		18000	6010C
Cadmium		9000	6010C
Calcium		720000	6010C
Cobalt		22500	6010C
Sodium		72000	6010C
Thallium		27000	6010C
Vanadium		45000	6010C
Zinc		31500	6010C

FORM XI - IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
680-61154-1	09/17/2010 10:00	180221	1.06		100
680-61154-1 MS	09/17/2010 10:00	180221	1.06		100
680-61154-1 MSD	09/17/2010 10:00	180221	1.06		100
MB 680-180221/9-A	09/17/2010 10:00	180221	1.00		100
LCS 680-180221/10-A	09/17/2010 10:00	180221	1.00		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Preparation Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-179745/1-A	09/13/2010 13:05	179745	0.53		50
LCS 680-179745/2-A	09/13/2010 13:05	179745	0.53		50
680-61109-A-2-E MS	09/13/2010 13:05	179745	0.54		50
680-61109-A-2-F MSD	09/13/2010 13:05	179745	0.54		50
680-61154-1	09/13/2010 13:05	179745	0.54		50

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
STD0 680-180410/1 IC			09:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD1 680-180410/2 IC			09:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			09:11																				
ICV 680-180410/4	1		09:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 680-180410/5	1		09:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			09:35																				
CRI 680-180410/7	1		09:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 680-180410/8	1		09:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 680-180410/9	1		10:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-180410/10	1		10:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-180410/11	1		10:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 680-180221/9-A	1	T	11:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 680-180221/10-A	1	T	11:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61154-1	1	T	11:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61154-1 SD	5	T	11:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61154-1 PDS	1	T	11:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61154-1 MS	1	T	11:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61154-1 MSD	1	T	11:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-180410/19	1		11:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-180410/20	1		11:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:01																				
ZZZZZZ			12:06																				
ZZZZZZ			12:11																				
ZZZZZZ			12:16																				
ZZZZZZ			12:21																				
ZZZZZZ			12:26																				
ZZZZZZ			12:31																				
ZZZZZZ			12:37																				
ZZZZZZ			12:42																				
ZZZZZZ			12:47																				
CCV 680-180410/31			12:52																				
CCB 680-180410/32			12:57																				
ZZZZZZ			13:02																				
ZZZZZZ			13:07																				
ZZZZZZ			13:13																				
ZZZZZZ			13:18																				
ZZZZZZ			13:23																				
ZZZZZZ			13:28																				
ZZZZZZ			13:33																				
ZZZZZZ			13:38																				
ZZZZZZ			13:44																				
ZZZZZZ			13:49																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
CCV 680-180410/43			13:54																				
CCB 680-180410/44			13:59																				
ZZZZZZ			14:04																				
ZZZZZZ			14:09																				
ZZZZZZ			14:14																				
ZZZZZZ			14:20																				
ZZZZZZ			14:25																				
ZZZZZZ			14:30																				
ZZZZZZ			14:35																				
ZZZZZZ			14:40																				
ZZZZZZ			14:45																				
ZZZZZZ			14:50																				
CCV 680-180410/55			14:56																				
CCB 680-180410/56			15:01																				
ZZZZZZ			15:06																				
ZZZZZZ			15:11																				
ZZZZZZ			15:16																				
ZZZZZZ			15:21																				
ZZZZZZ			15:27																				
ZZZZZZ			15:32																				
ZZZZZZ			15:37																				
ZZZZZZ			15:42																				
ZZZZZZ			15:47																				
CCV 680-180410/66			15:52																				
CCB 680-180410/67			15:58																				
ZZZZZZ			16:03																				
ZZZZZZ			16:08																				
ZZZZZZ			16:13																				
ZZZZZZ			16:18																				
ZZZZZZ			16:23																				
ZZZZZZ			16:28																				
ZZZZZZ			16:34																				
ZZZZZZ			16:39																				
ZZZZZZ			16:44																				
ZZZZZZ			16:49																				
CCV 680-180410/78			16:54																				
CCB 680-180410/79			16:59																				
ZZZZZZ			17:05																				
ZZZZZZ			17:10																				
ZZZZZZ			17:15																				
ZZZZZZ			17:20																				
ZZZZZZ			17:25																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			17:30																				
ZZZZZZ			17:35																				
CCV 680-180410/87			17:41																				
CCB 680-180410/88			17:46																				
ZZZZZZ			17:51																				
ZZZZZZ			17:56																				
ZZZZZZ			18:01																				
ZZZZZZ			18:06																				
ZZZZZZ			18:12																				
ZZZZZZ			18:17																				
ZZZZZZ			18:22																				
ZZZZZZ			18:27																				
CCV 680-180410/97			18:32																				
CCB 680-180410/98			18:37																				
ZZZZZZ			18:43																				
ZZZZZZ			18:48																				
ZZZZZZ			18:53																				
ZZZZZZ			18:58																				
ZZZZZZ			19:03																				
ZZZZZZ			19:08																				
ZZZZZZ			19:14																				
ZZZZZZ			19:19																				
ZZZZZZ			19:24																				
ZZZZZZ			19:29																				
CCV 680-180410/109			19:34																				
CCB 680-180410/110			19:39																				
ZZZZZZ			19:45																				
ZZZZZZ			19:50																				
ZZZZZZ			19:55																				
ZZZZZZ			20:00																				
ZZZZZZ			20:05																				
ZZZZZZ			20:10																				
ZZZZZZ			20:16																				
ZZZZZZ			20:21																				
ZZZZZZ			20:26																				
ZZZZZZ			20:31																				
CCV 680-180410/121			20:36																				
CCB 680-180410/122			20:41																				
ZZZZZZ			20:47																				
ZZZZZZ			20:52																				
ZZZZZZ			20:57																				
ZZZZZZ			21:02																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			21:07																				
ZZZZZZ			21:12																				
ZZZZZZ			21:18																				
ZZZZZZ			21:23																				
ZZZZZZ			21:28																				
ZZZZZZ			21:33																				
CCV 680-180410/133			21:38																				
CCB 680-180410/134			21:43																				
ZZZZZZ			21:49																				
ZZZZZZ			21:54																				
ZZZZZZ			21:59																				
ZZZZZZ			22:04																				
ZZZZZZ			22:09																				
ZZZZZZ			22:14																				
ZZZZZZ			22:20																				
ZZZZZZ			22:25																				
ZZZZZZ			22:30																				
ZZZZZZ			22:35																				
CCV 680-180410/145			22:40																				
CCB 680-180410/146			22:45																				
ZZZZZZ			22:51																				
ZZZZZZ			22:56																				
ZZZZZZ			23:01																				
ZZZZZZ			23:06																				
ZZZZZZ			23:11																				
ZZZZZZ			23:17																				
ZZZZZZ			23:22																				
ZZZZZZ			23:27																				
ZZZZZZ			23:32																				
ZZZZZZ			23:37																				
CCV 680-180410/157			23:42																				
CCB 680-180410/158			23:48																				
ZZZZZZ			23:53																				
ZZZZZZ			23:58																				
ZZZZZZ			00:03																				
ZZZZZZ			00:08																				
ZZZZZZ			00:13																				
ZZZZZZ			00:19																				
ZZZZZZ			00:24																				
ZZZZZZ			00:29																				
ZZZZZZ			00:34																				
CCV 680-180410/168			00:39																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
CCB 680-180410/169			00:45																				
ZZZZZZ			00:50																				
ZZZZZZ			00:55																				
ZZZZZZ			01:00																				
ZZZZZZ			01:05																				
ZZZZZZ			01:11																				
ZZZZZZ			01:16																				
ZZZZZZ			01:21																				
ZZZZZZ			01:26																				
ZZZZZZ			01:31																				
ZZZZZZ			01:36																				
CCV 680-180410/180			01:42																				
CCB 680-180410/181			01:47																				
ZZZZZZ			01:52																				
CCV 680-180410/183			01:57																				
CCB 680-180410/184			02:02																				
ZZZZZZ			02:08																				
ZZZZZZ			02:13																				
ZZZZZZ			02:18																				
ZZZZZZ			02:23																				
ZZZZZZ			02:28																				
ZZZZZZ			02:34																				
ZZZZZZ			02:39																				
ZZZZZZ			02:44																				
ZZZZZZ			02:49																				
ZZZZZZ			02:54																				
CCV 680-180410/195			02:59																				
CCB 680-180410/196			03:05																				
ZZZZZZ			03:10																				
ZZZZZZ			03:15																				
ZZZZZZ			03:20																				
ZZZZZZ			03:25																				
ZZZZZZ			03:31																				
ZZZZZZ			03:36																				
ZZZZZZ			03:41																				
CCV 680-180410/204			03:46																				
CCB 680-180410/205			03:51																				
ZZZZZZ			03:57																				
ZZZZZZ			04:02																				
ZZZZZZ			04:07																				
ZZZZZZ			04:12																				
ZZZZZZ			04:17																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
CCV 680-180410/211			04:22																				
CCB 680-180410/212			04:28																				
CCV 680-180410/213			07:08																				
CCB 680-180410/214			07:15																				
ZZZZZZ			07:20																				
ZZZZZZ			07:31																				
ZZZZZZ			07:36																				
ZZZZZZ			07:42																				
ZZZZZZ			07:47																				
ZZZZZZ			07:52																				
ZZZZZZ			07:56																				
ZZZZZZ			08:00																				
ZZZZZZ			08:05																				
CCV 680-180410/224	1		08:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-180410/225	1		08:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			08:19																				
ZZZZZZ			08:23																				
ZZZZZZ			08:28																				
ZZZZZZ			08:32																				
ZZZZZZ			08:41																				
CRI 680-180410/231	1		08:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 680-180410/232	1		08:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 680-180410/233	1		08:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-180410/234	1		09:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-180410/235	1		09:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
STD0 680-180410/1 IC			09:06	X	X																		
STD1 680-180410/2 IC			09:07	X	X																		
ZZZZZZ			09:11																				
ICV 680-180410/4	1		09:20	X	X																		
ICB 680-180410/5	1		09:27	X	X																		
ZZZZZZ			09:35																				
CRI 680-180410/7	1		09:48	X	X																		
ICSA 680-180410/8	1		09:53	X	X																		
ICSAB 680-180410/9	1		10:05	X	X																		
CCV 680-180410/10	1		10:13	X	X																		
CCB 680-180410/11	1		10:21	X	X																		
MB 680-180221/9-A	1	T	11:14	X	X																		
LCS 680-180221/10-A	1	T	11:19	X	X																		
680-61154-1	1	T	11:24	X	X																		
680-61154-1 SD	5	T	11:30	X	X																		
680-61154-1 PDS	1	T	11:35	X	X																		
680-61154-1 MS	1	T	11:40	X	X																		
680-61154-1 MSD	1	T	11:45	X	X																		
CCV 680-180410/19	1		11:50	X	X																		
CCB 680-180410/20	1		11:55	X	X																		
ZZZZZZ			12:01																				
ZZZZZZ			12:06																				
ZZZZZZ			12:11																				
ZZZZZZ			12:16																				
ZZZZZZ			12:21																				
ZZZZZZ			12:26																				
ZZZZZZ			12:31																				
ZZZZZZ			12:37																				
ZZZZZZ			12:42																				
ZZZZZZ			12:47																				
CCV 680-180410/31			12:52																				
CCB 680-180410/32			12:57																				
ZZZZZZ			13:02																				
ZZZZZZ			13:07																				
ZZZZZZ			13:13																				
ZZZZZZ			13:18																				
ZZZZZZ			13:23																				
ZZZZZZ			13:28																				
ZZZZZZ			13:33																				
ZZZZZZ			13:38																				
ZZZZZZ			13:44																				
ZZZZZZ			13:49																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
CCV 680-180410/43			13:54																				
CCB 680-180410/44			13:59																				
ZZZZZZ			14:04																				
ZZZZZZ			14:09																				
ZZZZZZ			14:14																				
ZZZZZZ			14:20																				
ZZZZZZ			14:25																				
ZZZZZZ			14:30																				
ZZZZZZ			14:35																				
ZZZZZZ			14:40																				
ZZZZZZ			14:45																				
ZZZZZZ			14:50																				
CCV 680-180410/55			14:56																				
CCB 680-180410/56			15:01																				
ZZZZZZ			15:06																				
ZZZZZZ			15:11																				
ZZZZZZ			15:16																				
ZZZZZZ			15:21																				
ZZZZZZ			15:27																				
ZZZZZZ			15:32																				
ZZZZZZ			15:37																				
ZZZZZZ			15:42																				
ZZZZZZ			15:47																				
CCV 680-180410/66			15:52																				
CCB 680-180410/67			15:58																				
ZZZZZZ			16:03																				
ZZZZZZ			16:08																				
ZZZZZZ			16:13																				
ZZZZZZ			16:18																				
ZZZZZZ			16:23																				
ZZZZZZ			16:28																				
ZZZZZZ			16:34																				
ZZZZZZ			16:39																				
ZZZZZZ			16:44																				
ZZZZZZ			16:49																				
CCV 680-180410/78			16:54																				
CCB 680-180410/79			16:59																				
ZZZZZZ			17:05																				
ZZZZZZ			17:10																				
ZZZZZZ			17:15																				
ZZZZZZ			17:20																				
ZZZZZZ			17:25																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			17:30																				
ZZZZZZ			17:35																				
CCV 680-180410/87			17:41																				
CCB 680-180410/88			17:46																				
ZZZZZZ			17:51																				
ZZZZZZ			17:56																				
ZZZZZZ			18:01																				
ZZZZZZ			18:06																				
ZZZZZZ			18:12																				
ZZZZZZ			18:17																				
ZZZZZZ			18:22																				
ZZZZZZ			18:27																				
CCV 680-180410/97			18:32																				
CCB 680-180410/98			18:37																				
ZZZZZZ			18:43																				
ZZZZZZ			18:48																				
ZZZZZZ			18:53																				
ZZZZZZ			18:58																				
ZZZZZZ			19:03																				
ZZZZZZ			19:08																				
ZZZZZZ			19:14																				
ZZZZZZ			19:19																				
ZZZZZZ			19:24																				
ZZZZZZ			19:29																				
CCV 680-180410/109			19:34																				
CCB 680-180410/110			19:39																				
ZZZZZZ			19:45																				
ZZZZZZ			19:50																				
ZZZZZZ			19:55																				
ZZZZZZ			20:00																				
ZZZZZZ			20:05																				
ZZZZZZ			20:10																				
ZZZZZZ			20:16																				
ZZZZZZ			20:21																				
ZZZZZZ			20:26																				
ZZZZZZ			20:31																				
CCV 680-180410/121			20:36																				
CCB 680-180410/122			20:41																				
ZZZZZZ			20:47																				
ZZZZZZ			20:52																				
ZZZZZZ			20:57																				
ZZZZZZ			21:02																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			21:07																				
ZZZZZZ			21:12																				
ZZZZZZ			21:18																				
ZZZZZZ			21:23																				
ZZZZZZ			21:28																				
ZZZZZZ			21:33																				
CCV 680-180410/133			21:38																				
CCB 680-180410/134			21:43																				
ZZZZZZ			21:49																				
ZZZZZZ			21:54																				
ZZZZZZ			21:59																				
ZZZZZZ			22:04																				
ZZZZZZ			22:09																				
ZZZZZZ			22:14																				
ZZZZZZ			22:20																				
ZZZZZZ			22:25																				
ZZZZZZ			22:30																				
ZZZZZZ			22:35																				
CCV 680-180410/145			22:40																				
CCB 680-180410/146			22:45																				
ZZZZZZ			22:51																				
ZZZZZZ			22:56																				
ZZZZZZ			23:01																				
ZZZZZZ			23:06																				
ZZZZZZ			23:11																				
ZZZZZZ			23:17																				
ZZZZZZ			23:22																				
ZZZZZZ			23:27																				
ZZZZZZ			23:32																				
ZZZZZZ			23:37																				
CCV 680-180410/157			23:42																				
CCB 680-180410/158			23:48																				
ZZZZZZ			23:53																				
ZZZZZZ			23:58																				
ZZZZZZ			00:03																				
ZZZZZZ			00:08																				
ZZZZZZ			00:13																				
ZZZZZZ			00:19																				
ZZZZZZ			00:24																				
ZZZZZZ			00:29																				
ZZZZZZ			00:34																				
CCV 680-180410/168			00:39																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
CCB 680-180410/169			00:45																				
ZZZZZZ			00:50																				
ZZZZZZ			00:55																				
ZZZZZZ			01:00																				
ZZZZZZ			01:05																				
ZZZZZZ			01:11																				
ZZZZZZ			01:16																				
ZZZZZZ			01:21																				
ZZZZZZ			01:26																				
ZZZZZZ			01:31																				
ZZZZZZ			01:36																				
CCV 680-180410/180			01:42																				
CCB 680-180410/181			01:47																				
ZZZZZZ			01:52																				
CCV 680-180410/183			01:57																				
CCB 680-180410/184			02:02																				
ZZZZZZ			02:08																				
ZZZZZZ			02:13																				
ZZZZZZ			02:18																				
ZZZZZZ			02:23																				
ZZZZZZ			02:28																				
ZZZZZZ			02:34																				
ZZZZZZ			02:39																				
ZZZZZZ			02:44																				
ZZZZZZ			02:49																				
ZZZZZZ			02:54																				
CCV 680-180410/195			02:59																				
CCB 680-180410/196			03:05																				
ZZZZZZ			03:10																				
ZZZZZZ			03:15																				
ZZZZZZ			03:20																				
ZZZZZZ			03:25																				
ZZZZZZ			03:31																				
ZZZZZZ			03:36																				
ZZZZZZ			03:41																				
CCV 680-180410/204			03:46																				
CCB 680-180410/205			03:51																				
ZZZZZZ			03:57																				
ZZZZZZ			04:02																				
ZZZZZZ			04:07																				
ZZZZZZ			04:12																				
ZZZZZZ			04:17																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Instrument ID: ICPD Method: 6010C

Start Date: 09/18/2010 09:06 End Date: 09/19/2010 09:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
CCV 680-180410/211			04:22																				
CCB 680-180410/212			04:28																				
CCV 680-180410/213			07:08																				
CCB 680-180410/214			07:15																				
ZZZZZZ			07:20																				
ZZZZZZ			07:31																				
ZZZZZZ			07:36																				
ZZZZZZ			07:42																				
ZZZZZZ			07:47																				
ZZZZZZ			07:52																				
ZZZZZZ			07:56																				
ZZZZZZ			08:00																				
ZZZZZZ			08:05																				
CCV 680-180410/224	1		08:09	X	X																		
CCB 680-180410/225	1		08:14	X	X																		
ZZZZZZ			08:19																				
ZZZZZZ			08:23																				
ZZZZZZ			08:28																				
ZZZZZZ			08:32																				
ZZZZZZ			08:41																				
CRI 680-180410/231	1		08:49	X	X																		
ICSA 680-180410/232	1		08:54	X	X																		
ICSAB 680-180410/233	1		08:58	X	X																		
CCV 680-180410/234	1		09:05	X	X																		
CCB 680-180410/235	1		09:10	X	X																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 09/14/2010 14:37 End Date: 09/14/2010 18:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD01REP1 680-179917/1 IC			14:37	X																			
STD02REP1 680-179917/2 IC			14:40	X																			
STD03REP1 680-179917/3 IC			14:43	X																			
STD04REP1 680-179917/4 IC			14:46	X																			
STD05REP1 680-179917/5 IC			14:50	X																			
STD06REP1 680-179917/6 IC			14:53	X																			
ICV 680-179917/7	1		14:57	X																			
ICB 680-179917/8	1		15:00	X																			
CCV 680-179917/9	1		15:10	X																			
CCB 680-179917/10	1		15:13	X																			
CRA 680-179917/11	1		15:16	X																			
ZZZZZZ			15:19																				
ZZZZZZ			15:22																				
ZZZZZZ			15:25																				
ZZZZZZ			15:28																				
ZZZZZZ			15:31																				
ZZZZZZ			15:34																				
ZZZZZZ			15:37																				
ZZZZZZ			15:40																				
CCV 680-179917/20	1		15:43	X																			
CCB 680-179917/21	1		15:46	X																			
CCV 680-179917/22	1		17:15	X																			
CCB 680-179917/23	1		17:19	X																			
MB 680-179745/1-A	1	T	17:23	X																			
LCS 680-179745/2-A	1	T	17:27	X																			
ZZZZZZ			17:29																				
ZZZZZZ			17:32																				
680-61109-A-2-E MS	1	T	17:35	X																			
680-61109-A-2-F MSD	1	T	17:38	X																			
ZZZZZZ			17:41																				
ZZZZZZ			17:44																				
CCV 680-179917/32	1		17:47	X																			
CCB 680-179917/33	1		17:50	X																			
ZZZZZZ			17:54																				
ZZZZZZ			17:57																				
ZZZZZZ			18:00																				
ZZZZZZ			18:02																				
ZZZZZZ			18:06																				
ZZZZZZ			18:09																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61154-1

SDG No.: 67743

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 09/14/2010 14:37 End Date: 09/14/2010 18:52

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			18:12																				
ZZZZZZ			18:15																				
ZZZZZZ			18:18																				
ZZZZZZ			18:21																				
CCV 680-179917/44	1		18:24	X																			
CCB 680-179917/45	1		18:27	X																			
ZZZZZZ			18:31																				
ZZZZZZ			18:34																				
ZZZZZZ			18:36																				
ZZZZZZ			18:40																				
ZZZZZZ			18:43																				
680-61154-1	1	T	18:46	X																			
CCV 680-179917/52	1		18:49	X																			
CCB 680-179917/53	1		18:52	X																			

Prep Types
T = Total/NA

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	HIGH STD 00034	D091810	2PTTR2	09/18/10	09:11	BR	S	CONC
2	ICV 00190	D091810	2PTTR2	09/18/10	09:20	BR	S	CONC
3	ICB	D091810	2PTTR2	09/18/10	09:27	BR	S	CONC
4	RL ICP 00045	D091810	2PTTR2	09/18/10	09:35	BR	S	CONC
5	RL ICP 00045	D091810	2PTTR2	09/18/10	09:48	BR	S	CONC
6	ICSA61 00022	D091810	2PTTR2	09/18/10	09:53	BR	S	CONC
7	ICSAB61 00038	D091810	2PTTR2	09/18/10	10:05	BR	S	CONC
8	CCV 00072	D091810	2PTTR2	09/18/10	10:13	BR	S	CONC
9	CCB	D091810	2PTTR2	09/18/10	10:21	BR	S	CONC
10	PBS 180221	D091810	2PTTR2	09/18/10	11:14	BR	S	CONC
11	LCSS-1	D091810	2PTTR2	09/18/10	11:19	BR	S	CONC
12	61154-1	D091810	2PTTR2	09/18/10	11:24	BR	S	CONC
13	61154-1L	D091810	2PTTR2	09/18/10	11:30	BR	S	CONC
14	61154-1A	D091810	2PTTR2	09/18/10	11:35	BR	S	CONC
15	61154-1S	D091810	2PTTR2	09/18/10	11:40	BR	S	CONC
16	61154-1SD	D091810	2PTTR2	09/18/10	11:45	BR	S	CONC
17	CCV	D091810	2PTTR2	09/18/10	11:50	BR	S	CONC
18	CCB	D091810	2PTTR2	09/18/10	11:55	BR	S	CONC
19	PBS 180131	D091810	2PTTR2	09/18/10	12:01	BR	S	CONC
20	LCSS-1	D091810	2PTTR2	09/18/10	12:06	BR	S	CONC
21	61109-1	D091810	2PTTR2	09/18/10	12:11	BR	S	CONC
22	61109-2	D091810	2PTTR2	09/18/10	12:16	BR	S	CONC
23	61109-2L	D091810	2PTTR2	09/18/10	12:21	BR	S	CONC
24	61109-2A	D091810	2PTTR2	09/18/10	12:26	BR	S	CONC
25	61109-2S	D091810	2PTTR2	09/18/10	12:31	BR	S	CONC
26	61109-2SD	D091810	2PTTR2	09/18/10	12:37	BR	S	CONC
27	61109-3	D091810	2PTTR2	09/18/10	12:42	BR	S	CONC
28	61109-4	D091810	2PTTR2	09/18/10	12:47	BR	S	CONC
29	CCV	D091810	2PTTR2	09/18/10	12:52	BR	S	CONC
30	CCB	D091810	2PTTR2	09/18/10	12:57	BR	S	CONC
31	60987-4	D091810	2PTTR2	09/18/10	13:02	BR	S	CONC
32	60987-5	D091810	2PTTR2	09/18/10	13:07	BR	S	CONC
33	60987-6	D091810	2PTTR2	09/18/10	13:13	BR	S	CONC
34	60987-6S	D091810	2PTTR2	09/18/10	13:18	BR	S	CONC
35	60987-6SD	D091810	2PTTR2	09/18/10	13:23	BR	S	CONC
36	PBS 179451	D091810	2PTTR2	09/18/10	13:28	BR	S	CONC
37	LCSS-1	D091810	2PTTR2	09/18/10	13:33	BR	S	CONC
38	60980-1	D091810	2PTTR2	09/18/10	13:38	BR	S	CONC
39	60980-1L	D091810	2PTTR2	09/18/10	13:44	BR	S	CONC
40	60980-1A	D091810	2PTTR2	09/18/10	13:49	BR	S	CONC
41	CCV	D091810	2PTTR2	09/18/10	13:54	BR	S	CONC
42	CCB	D091810	2PTTR2	09/18/10	13:59	BR	S	CONC
43	60980-1S	D091810	2PTTR2	09/18/10	14:04	BR	S	CONC
44	60980-1SD	D091810	2PTTR2	09/18/10	14:09	BR	S	CONC
45	60980-2	D091810	2PTTR2	09/18/10	14:14	BR	S	CONC
46	60980-3	D091810	2PTTR2	09/18/10	14:20	BR	S	CONC
47	60980-4	D091810	2PTTR2	09/18/10	14:25	BR	S	CONC
48	60980-5	D091810	2PTTR2	09/18/10	14:30	BR	S	CONC
49	60980-6	D091810	2PTTR2	09/18/10	14:35	BR	S	CONC
50	60980-7	D091810	2PTTR2	09/18/10	14:40	BR	S	CONC
51	60980-8	D091810	2PTTR2	09/18/10	14:45	BR	S	CONC
52	60980-9	D091810	2PTTR2	09/18/10	14:50	BR	S	CONC
53	CCV	D091810	2PTTR2	09/18/10	14:56	BR	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	CCB	D091810	2PTTR2	09/18/10	15:01	BR	S	CONC
55	60980-10	D091810	2PTTR2	09/18/10	15:06	BR	S	CONC
56	60961-1	D091810	2PTTR2	09/18/10	15:11	BR	S	CONC
57	60961-2	D091810	2PTTR2	09/18/10	15:16	BR	S	CONC
58	60961-3	D091810	2PTTR2	09/18/10	15:21	BR	S	CONC
59	60920-1	D091810	2PTTR2	09/18/10	15:27	BR	S	CONC
60	60920-1 1/20	D091810	2PTTR2	09/18/10	15:32	BR	S	CONC
61	60920-1 1/100	D091810	2PTTR2	09/18/10	15:37	BR	S	CONC
62	61005-1	D091810	2PTTR2	09/18/10	15:42	BR	S	CONC
63	61005-2	D091810	2PTTR2	09/18/10	15:47	BR	S	CONC
64	CCV	D091810	2PTTR2	09/18/10	15:52	BR	S	CONC
65	CCB	D091810	2PTTR2	09/18/10	15:58	BR	S	CONC
66	60870-2	D091810	2PTTR2	09/18/10	16:03	BR	S	CONC
67	60869-4	D091810	2PTTR2	09/18/10	16:08	BR	S	CONC
68	60975-1	D091810	2PTTR2	09/18/10	16:13	BR	S	CONC
69	PBW 179540	D091810	2PTTR2	09/18/10	16:18	BR	S	CONC
70	LCSW-1	D091810	2PTTR2	09/18/10	16:23	BR	S	CONC
71	60986-1	D091810	2PTTR2	09/18/10	16:28	BR	S	CONC
72	60986-1S	D091810	2PTTR2	09/18/10	16:34	BR	S	CONC
73	60986-1SD	D091810	2PTTR2	09/18/10	16:39	BR	S	CONC
74	60994-1	D091810	2PTTR2	09/18/10	16:44	BR	S	CONC
75	60994-1L	D091810	2PTTR2	09/18/10	16:49	BR	S	CONC
76	CCV	D091810	2PTTR2	09/18/10	16:54	BR	S	CONC
77	CCB	D091810	2PTTR2	09/18/10	16:59	BR	S	CONC
78	60994-1A	D091810	2PTTR2	09/18/10	17:05	BR	S	CONC
79	60944-2	D091810	2PTTR2	09/18/10	17:10	BR	S	CONC
80	61012-1	D091810	2PTTR2	09/18/10	17:15	BR	S	CONC
81	61012-2	D091810	2PTTR2	09/18/10	17:20	BR	S	CONC
82	61012-9	D091810	2PTTR2	09/18/10	17:25	BR	S	CONC
83	60994-1	D091810	2PTTR2	09/18/10	17:30	BR	S	CONC
84	60994-2	D091810	2PTTR2	09/18/10	17:35	BR	S	CONC
85	CCV	D091810	2PTTR2	09/18/10	17:41	BR	S	CONC
86	CCB	D091810	2PTTR2	09/18/10	17:46	BR	S	CONC
87	PBW 179845	D091810	2PTTR2	09/18/10	17:51	BR	S	CONC
88	LCSW-1	D091810	2PTTR2	09/18/10	17:56	BR	S	CONC
89	60917-5	D091810	2PTTR2	09/18/10	18:01	BR	S	CONC
90	60917-5S	D091810	2PTTR2	09/18/10	18:06	BR	S	CONC
91	60917-5SD	D091810	2PTTR2	09/18/10	18:12	BR	S	CONC
92	61093-1	D091810	2PTTR2	09/18/10	18:17	BR	S	CONC
93	61093-1L	D091810	2PTTR2	09/18/10	18:22	BR	S	CONC
94	61093-1A	D091810	2PTTR2	09/18/10	18:27	BR	S	CONC
95	CCV	D091810	2PTTR2	09/18/10	18:32	BR	S	CONC
96	CCB	D091810	2PTTR2	09/18/10	18:37	BR	S	CONC
97	PBW 179840	D091810	2PTTR2	09/18/10	18:43	BR	S	CONC
98	LCSW-1	D091810	2PTTR2	09/18/10	18:48	BR	S	CONC
99	61032-1	D091810	2PTTR2	09/18/10	18:53	BR	S	CONC
100	61032-1L	D091810	2PTTR2	09/18/10	18:58	BR	S	CONC
101	61032-1A	D091810	2PTTR2	09/18/10	19:03	BR	S	CONC
102	61032-1S	D091810	2PTTR2	09/18/10	19:08	BR	S	CONC
103	61032-1SD	D091810	2PTTR2	09/18/10	19:14	BR	S	CONC
104	61031-3	D091810	2PTTR2	09/18/10	19:19	BR	S	CONC
105	61052-1	D091810	2PTTR2	09/18/10	19:24	BR	S	CONC
106	61052-1S	D091810	2PTTR2	09/18/10	19:29	BR	S	CONC
107	CCV	D091810	2PTTR2	09/18/10	19:34	BR	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	CCB	D091810	2PTTR2	09/18/10	19:39	BR	S	CONC
109	61052-1SD	D091810	2PTTR2	09/18/10	19:45	BR	S	CONC
110	61052-2	D091810	2PTTR2	09/18/10	19:50	BR	S	CONC
111	61056-1	D091810	2PTTR2	09/18/10	19:55	BR	S	CONC
112	61067-1	D091810	2PTTR2	09/18/10	20:00	BR	S	CONC
113	61093-1	D091810	2PTTR2	09/18/10	20:05	BR	S	CONC
114	61096-1	D091810	2PTTR2	09/18/10	20:10	BR	S	CONC
115	61065-1	D091810	2PTTR2	09/18/10	20:16	BR	S	CONC
116	61123-1	D091810	2PTTR2	09/18/10	20:21	BR	S	CONC
117	61124-1	D091810	2PTTR2	09/18/10	20:26	BR	S	CONC
118	61124-2	D091810	2PTTR2	09/18/10	20:31	BR	S	CONC
119	CCV	D091810	2PTTR2	09/18/10	20:36	BR	S	CONC
120	CCB	D091810	2PTTR2	09/18/10	20:41	BR	S	CONC
121	61124-4	D091810	2PTTR2	09/18/10	20:47	BR	S	CONC
122	61173-1	D091810	2PTTR2	09/18/10	20:52	BR	S	CONC
123	61181-1	D091810	2PTTR2	09/18/10	20:57	BR	S	CONC
124	61181-2	D091810	2PTTR2	09/18/10	21:02	BR	S	CONC
125	PBW 179841	D091810	2PTTR2	09/18/10	21:07	BR	S	CONC
126	LCSW-1	D091810	2PTTR2	09/18/10	21:12	BR	S	CONC
127	61090-1	D091810	2PTTR2	09/18/10	21:18	BR	S	CONC
128	61093-1	D091810	2PTTR2	09/18/10	21:23	BR	S	CONC
129	61130-1	D091810	2PTTR2	09/18/10	21:28	BR	S	CONC
130	61130-1L	D091810	2PTTR2	09/18/10	21:33	BR	S	CONC
131	CCV	D091810	2PTTR2	09/18/10	21:38	BR	S	CONC
132	CCB	D091810	2PTTR2	09/18/10	21:43	BR	S	CONC
133	61130-1A	D091810	2PTTR2	09/18/10	21:49	BR	S	CONC
134	61130-1S	D091810	2PTTR2	09/18/10	21:54	BR	S	CONC
135	61130-1SD	D091810	2PTTR2	09/18/10	21:59	BR	S	CONC
136	61130-2	D091810	2PTTR2	09/18/10	22:04	BR	S	CONC
137	61130-3	D091810	2PTTR2	09/18/10	22:09	BR	S	CONC
138	61150-1	D091810	2PTTR2	09/18/10	22:14	BR	S	CONC
139	61150-7	D091810	2PTTR2	09/18/10	22:20	BR	S	CONC
140	PBW 180019	D091810	2PTTR2	09/18/10	22:25	BR	S	CONC
141	LCSW-1	D091810	2PTTR2	09/18/10	22:30	BR	S	CONC
142	RL LCSW-1	D091810	2PTTR2	09/18/10	22:35	BR	S	CONC
143	CCV	D091810	2PTTR2	09/18/10	22:40	BR	S	CONC
144	CCB	D091810	2PTTR2	09/18/10	22:45	BR	S	CONC
145	61177-1	D091810	2PTTR2	09/18/10	22:51	BR	S	CONC
146	61177-1L	D091810	2PTTR2	09/18/10	22:56	BR	S	CONC
147	61177-1A	D091810	2PTTR2	09/18/10	23:01	BR	S	CONC
148	61177-1S	D091810	2PTTR2	09/18/10	23:06	BR	S	CONC
149	61177-1SD	D091810	2PTTR2	09/18/10	23:11	BR	S	CONC
150	61061-1	D091810	2PTTR2	09/18/10	23:17	BR	S	CONC
151	61061-2	D091810	2PTTR2	09/18/10	23:22	BR	S	CONC
152	61061-3	D091810	2PTTR2	09/18/10	23:27	BR	S	CONC
153	61121-1	D091810	2PTTR2	09/18/10	23:32	BR	S	CONC
154	61121-3	D091810	2PTTR2	09/18/10	23:37	BR	S	CONC
155	CCV	D091810	2PTTR2	09/18/10	23:42	BR	S	CONC
156	CCB	D091810	2PTTR2	09/18/10	23:48	BR	S	CONC
157	61122-1	D091810	2PTTR2	09/18/10	23:53	BR	S	CONC
158	21993-1	D091810	2PTTR2	09/18/10	23:58	BR	S	CONC
159	21993-2	D091810	2PTTR2	09/19/10	00:03	BR	S	CONC
160	61061-1 1/20	D091810	2PTTR2	09/19/10	00:08	BR	S	CONC
161	61061-2 1/20	D091810	2PTTR2	09/19/10	00:13	BR	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
162	61061-3 1/20	D091810	2PTTR2	09/19/10	00:19	BR	S	CONC
163	61121-1 1/20	D091810	2PTTR2	09/19/10	00:24	BR	S	CONC
164	61121-3 1/20	D091810	2PTTR2	09/19/10	00:29	BR	S	CONC
165	61122-1 1/20	D091810	2PTTR2	09/19/10	00:34	BR	S	CONC
166	CCV	D091810	2PTTR2	09/19/10	00:39	BR	S	CONC
167	CCB	D091810	2PTTR2	09/19/10	00:45	BR	S	CONC
168	PBW 180017	D091810	2PTTR2	09/19/10	00:50	BR	S	CONC
169	LCSW-1	D091810	2PTTR2	09/19/10	00:55	BR	S	CONC
170	RL LCSW-1	D091810	2PTTR2	09/19/10	01:00	BR	S	CONC
171	29873-9 1/10	D091810	2PTTR2	09/19/10	01:05	BR	S	CONC
172	29873-15 1/10	D091810	2PTTR2	09/19/10	01:11	BR	S	CONC
173	29873-16 1/10	D091810	2PTTR2	09/19/10	01:16	BR	S	CONC
174	61112-1	D091810	2PTTR2	09/19/10	01:21	BR	S	CONC
175	61112-1L	D091810	2PTTR2	09/19/10	01:26	BR	S	CONC
176	61112-1A	D091810	2PTTR2	09/19/10	01:31	BR	S	CONC
177	61112-1S	D091810	2PTTR2	09/19/10	01:36	BR	S	CONC
178	CCV	D091810	2PTTR2	09/19/10	01:42	BR	S	CONC
179	CCB	D091810	2PTTR2	09/19/10	01:47	BR	S	CONC
180	61112-1SD	D091810	2PTTR2	09/19/10	01:52	BR	S	CONC
181	CCV	D091810	2PTTR2	09/19/10	01:57	BR	S	CONC
182	CCB	D091810	2PTTR2	09/19/10	02:02	BR	S	CONC
183	PBW 180163	D091810	2PTTR2	09/19/10	02:08	BR	S	CONC
184	LCSW-1	D091810	2PTTR2	09/19/10	02:13	BR	S	CONC
185	LCSD	D091810	2PTTR2	09/19/10	02:18	BR	S	CONC
186	61291-1	D091810	2PTTR2	09/19/10	02:23	BR	S	CONC
187	61291-2	D091810	2PTTR2	09/19/10	02:28	BR	S	CONC
188	61291-3	D091810	2PTTR2	09/19/10	02:34	BR	S	CONC
189	61291-4	D091810	2PTTR2	09/19/10	02:39	BR	S	CONC
190	61291-5	D091810	2PTTR2	09/19/10	02:44	BR	S	CONC
191	61291-5L	D091810	2PTTR2	09/19/10	02:49	BR	S	CONC
192	61291-5A	D091810	2PTTR2	09/19/10	02:54	BR	S	CONC
193	CCV	D091810	2PTTR2	09/19/10	02:59	BR	S	CONC
194	CCB	D091810	2PTTR2	09/19/10	03:05	BR	S	CONC
195	61291-5S	D091810	2PTTR2	09/19/10	03:10	BR	S	CONC
196	61291-5SD	D091810	2PTTR2	09/19/10	03:15	BR	S	CONC
197	61291-6	D091810	2PTTR2	09/19/10	03:20	BR	S	CONC
198	61291-7	D091810	2PTTR2	09/19/10	03:25	BR	S	CONC
199	61291-8	D091810	2PTTR2	09/19/10	03:31	BR	S	CONC
200	61291-9	D091810	2PTTR2	09/19/10	03:36	BR	S	CONC
201	61291-10	D091810	2PTTR2	09/19/10	03:41	BR	S	CONC
202	CCV	D091810	2PTTR2	09/19/10	03:46	BR	S	CONC
203	CCB	D091810	2PTTR2	09/19/10	03:51	BR	S	CONC
204	61322-1 180221	D091810	2PTTR2	09/19/10	03:57	BR	S	CONC
205	61322-2	D091810	2PTTR2	09/19/10	04:02	BR	S	CONC
206	61322-3	D091810	2PTTR2	09/19/10	04:07	BR	S	CONC
207	61322-4	D091810	2PTTR2	09/19/10	04:12	BR	S	CONC
208	61283-1	D091810	2PTTR2	09/19/10	04:17	BR	S	CONC
209	CCV	D091810	2PTTR2	09/19/10	04:22	BR	S	CONC
210	CCB	D091810	2PTTR2	09/19/10	04:28	BR	S	CONC
211	CCV	D091810	2PTTR2	09/19/10	07:08	BR	S	CONC
212	CCB	D091810	2PTTR2	09/19/10	07:15	BR	S	CONC
213	PBS 180221	D091810	2PTTR2	09/19/10	07:20	BR	S	CONC
214	PBS 180221	D091810	2PTTR2	09/19/10	07:31	BR	S	CONC
215	61056-1 179840	D091810	2PTTR2	09/19/10	07:36	BR	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
216	61056-1L	D091810	2PTTR2	09/19/10	07:42	BR	S	CONC
217	61056-1A	D091810	2PTTR2	09/19/10	07:47	BR	S	CONC
218	61173-1 1/5	D091810	2PTTR2	09/19/10	07:52	BR	S	CONC
219	PBW 180017	D091810	2PTTR2	09/19/10	07:56	BR	S	CONC
220	LCSW-1	D091810	2PTTR2	09/19/10	08:00	BR	S	CONC
221	RL LCSW-1	D091810	2PTTR2	09/19/10	08:05	BR	S	CONC
222	CCV	D091810	2PTTR2	09/19/10	08:09	BR	S	CONC
223	CCB	D091810	2PTTR2	09/19/10	08:14	BR	S	CONC
224	61322-1 1/10 180221	D091810	2PTTR2	09/19/10	08:19	BR	S	CONC
225	61322-2 1/10	D091810	2PTTR2	09/19/10	08:23	BR	S	CONC
226	61322-3 1/10	D091810	2PTTR2	09/19/10	08:28	BR	S	CONC
227	61322-4 1/10	D091810	2PTTR2	09/19/10	08:32	BR	S	CONC
228	RL ICP	D091810	2PTTR2	09/19/10	08:41	BR	S	CONC
229	RL ICP	D091810	2PTTR2	09/19/10	08:49	BR	S	CONC
230	ICSA61	D091810	2PTTR2	09/19/10	08:54	BR	S	CONC
231	ICSAB61	D091810	2PTTR2	09/19/10	08:58	BR	S	CONC
232	CCV	D091810	2PTTR2	09/19/10	09:05	BR	S	CONC
233	CCB	D091810	2PTTR2	09/19/10	09:10	BR	S	CONC

#	Sample Name	Ag	Al	2Al	As	B	Ba
1	HIGH STD 00034	989.62	9914.5	9.9148	990.35	9944.2	9920.8
2	ICV 00190	958.71	971.39	.97147	1001.1	989.19	981.70
3	ICB	.30494	4.1827	.00418	-1.6459	9.6637	-.04569
4	RL ICP 00045	10.445	208.64	.20866	20.344	104.57	10.093
5	RL ICP 00045	10.300	214.42	.21444	17.660	105.64	10.128
6	ICSA61 00022	.12621	529740.	529.76	-2.8812	14.103	.87798
7	ICSAB61 00038	210.30	521440.	521.48	99.426	14.408	533.44
8	CCV 00072	493.37	4872.5	4.8729	499.43	4963.0	4992.5
9	CCB	.42108	.14761	.00014	-1.5000	8.3212	-.01315
10	PBS 180221	-.02636	4.9590	.00495	-4.2888	.68432	-.09502
11	LCSS-1	49.249	1937.5	1.9376	1989.7	1007.5	2020.1
12	61154-1	-.60950	60666.	60.667	8.5893	14.318	146.54
13	61154-1L	.04478	12296.	12.296	1.7024	4.6179	29.408
14	61154-1A	44.753	61308.	61.308	1854.4	975.14	2032.3
15	61154-1S	47.862	41865.	41.868	1955.7	992.39	2112.5
16	61154-1SD	50.161	38124.	38.125	2043.9	1040.8	2214.3
17	CCV	487.02	4850.1	4.8505	493.74	4929.9	4962.9
18	CCB	.11645	6.0689	.00606	-2.1466	17.286	.62644
19	PBS 180131	.11376	6.1815	.00618	-.41729	6.1491	-.10219
20	LCSS-1	51.071	2050.5	2.0505	2091.1	1059.0	2140.9
21	61109-1	.47395	42076.	42.077	7.3865	13.881	152.29
22	61109-2	-.47627	40317.	40.320	7.3529	10.828	119.29
23	61109-2L	-.09570	8206.6	8.2069	-.72677	4.4217	24.037
24	61109-2A	47.971	41914.	41.916	1946.1	997.59	2111.2
25	61109-2S	48.730	37569.	37.572	1955.2	1009.3	2143.3
26	61109-2SD	51.556	50450.	50.450	2078.2	1078.6	2280.1
27	61109-3	-.18518	31958.	31.958	5.7243	12.972	120.45
28	61109-4	-.50593	34292.	34.295	16.467	14.319	158.81
29	CCV	477.91	4753.3	4.7535	483.36	4840.3	4874.0
30	CCB	.18786	5.4710	.00547	-3.5765	15.219	.57003
31	60987-4	.81101	115060.	115.07	61.731	65.023	755.07
32	60987-5	.27195	114000.	114.00	40.404	273.40	615.40
33	60987-6	.52118	112100.	112.11	50.994	42.760	637.41
34	60987-6S	48.099	118240.	118.24	1975.1	1025.2	2609.9
35	60987-6SD	50.440	114030.	114.04	2057.2	1081.2	2795.4
36	PBS 179451	.54413	11.188	.01118	-4.6087	5.5674	.07101
37	LCSS-1	51.049	2026.2	2.0263	2081.2	1039.4	2113.6
38	60980-1	.24409	262770.	262.78	210.13	135.74	1272.4
39	60980-1L	-.02496	50925.	50.926	39.651	29.163	250.07
40	60980-1A	46.586	260720.	260.73	2059.1	1089.9	3146.3
41	CCV	482.22	4758.9	4.7587	486.78	4880.4	4899.7
42	CCB	.42589	18.159	.01816	-.99048	16.425	1.1639
43	60980-1S	49.035	274220.	274.23	1994.2	1101.3	2625.9
44	60980-1SD	50.012	272590.	272.60	2110.2	1094.8	2963.5
45	60980-2	-.00488	256910.	256.91	27.774	210.96	1651.1
46	60980-3	-.11861	264730.	264.74	153.04	133.90	1556.6
47	60980-4	-.30786	127630.	127.63	24.615	118.15	1002.6
48	60980-5	.50774	206640.	206.65	18.777	118.71	918.30
49	60980-6	.17790	265970.	265.98	21.090	198.20	1217.2
50	60980-7	.57790	63141.	63.142	61.855	103.77	961.59
51	60980-8	-.23536	109570.	109.58	29.841	76.745	695.29
52	60980-9	.28364	103090.	103.09	44.996	89.748	1176.8
53	CCV	491.21	4791.6	4.7917	496.14	4988.1	4978.4

#	Sample Name	Ag	Al	2Al	As	B	Ba
54	CCB	.75735	16.628	.01662	-4.3257	15.930	.39691
55	60980-10	.48683	257880.	257.89	50.437	144.30	1028.7
56	60961-1	1.0194	114410.	114.42	97.739	137.56	851.79
57	60961-2	.86581	116760.	116.76	93.271	141.54	785.76
58	60961-3	.40217	68274.	68.278	288.43	168.10	503.30
59	60920-1	962.29	42492.	42.494	576.09	2560.7	3632.0
60	60920-1 1/20	45.385	2028.4	2.0285	28.402	138.78	174.90
61	60920-1 1/100	8.7750	420.18	.42022	.98686	30.856	35.029
62	61005-1	.30496	79961.	79.964	23.292	421.33	325.27
63	61005-2	-.72798	67797.	67.800	15.119	220.59	83.926
64	CCV	488.23	4739.0	4.7391	495.14	4974.6	4948.8
65	CCB	.69821	22.715	.02271	-4.9325	17.202	.54237
66	60870-2	1.2220	834.77	.83475	-3.1629	22.310	635.76
67	60869-4	11.520	32817.	32.818	.57885	496.35	261.89
68	60975-1	-.67464	165810.	165.83	246.09	207.88	1322.4
69	PBW 179540	.53576	31.219	.03122	-1.8399	4.5877	-.05828
70	LCSW-1	51.549	1984.0	1.9841	2100.0	1073.7	2103.6
71	60986-1	.16354	1103.3	1.1032	.52036	201.69	78.252
72	60986-1S	50.986	3781.2	3.7815	2107.2	1268.2	2182.8
73	60986-1SD	51.444	4039.4	4.0394	2115.7	1276.0	2188.7
74	60994-1	.56040	1314.1	1.3142	-1.5120	11.435	137.21
75	60994-1L	-.07199	457.77	.45781	-1.2949	5.6169	28.266
76	CCV	491.81	4770.6	4.7708	505.72	5027.8	4985.1
77	CCB	.41096	15.216	.01521	-3.1443	15.520	.50402
78	60994-1A	47.620	3069.0	3.0693	1936.2	1021.4	2063.2
79	60944-2	-.16730	8676.3	8.6762	3.9422	61.432	208.84
80	61012-1	.30648	4623.7	4.6241	.16757	17.992	669.49
81	61012-2	.39073	940.45	.94054	-3.5845	33.496	98.912
82	61012-9	-.16051	29650.	29.652	1.7416	25.491	2686.6
83	60994-1	.60805	34.066	.03406	-1.8844	7.2633	122.57
84	60994-2	.77735	9151.8	9.1522	5.5283	59.391	193.94
85	CCV	488.00	4745.2	4.7455	499.97	4989.9	4948.6
86	CCB	.02233	30.494	.03049	-3.0617	17.842	.44897
87	PBW 179845	-.42146	31.841	.03184	-1.1608	6.7081	.04474
88	LCSW-1	50.518	1984.4	1.9846	2095.8	1071.2	2093.0
89	60917-5	-.07133	35.956	.03595	1.9892	252.34	42.490
90	60917-5S	51.994	2036.6	2.0366	2175.2	1357.3	2174.1
91	60917-5SD	52.117	2021.1	2.0212	2160.2	1341.9	2155.6
92	61093-1	.09461	75.412	.07541	-1.9010	72.393	24.246
93	61093-1L	.12326	40.904	.04090	.52192	16.924	4.7871
94	61093-1A	46.934	1872.0	1.8721	1953.2	1100.8	1941.1
95	CCV	488.76	4757.4	4.7574	497.14	5006.7	4953.7
96	CCB	1.0646	26.759	.02676	-4.9101	19.578	.46119
97	PBW 179840	.85223	27.250	.02725	-3.5896	8.0420	-.06546
98	LCSW-1	48.844	1885.7	1.8858	1992.7	1017.3	1987.6
99	61032-1	-1.8468	2128.8	2.1290	-1.7915	47.271	1.4989
100	61032-1L	.05028	439.22	.43926	-1.4805	12.557	.27544
101	61032-1A	48.753	4053.7	4.0538	2030.0	1080.7	1920.8
102	61032-1S	50.893	3924.5	3.9247	2073.3	1088.2	1384.9
103	61032-1SD	52.153	4185.2	4.1856	2186.1	1137.4	1978.5
104	61031-3	-.21607	968.28	.96827	.16530	1198.7	17.718
105	61052-1	.16915	28377.	28.377	.30714	45.923	86.970
106	61052-1S	50.038	30487.	30.488	2042.6	1074.9	2126.0
107	CCV	478.62	4698.3	4.6984	489.33	4877.7	4848.9

#	Sample Name	Ag	Al	2Al	As	B	Ba
108	CCB	.23941	19.009	.01901	-1.4394	19.556	.65661
109	61052-1SD	48.640	29264.	29.265	2003.9	1054.7	2074.0
110	61052-2	1.1931	73.172	.07317	.58058	31.037	138.68
111	61056-1	.17179	11207.	11.208	4.2515	212.62	173.39
112	61067-1	.09536	161.47	.16149	9.9044	240.85	27.537
113	61093-1	.22270	425.93	.42596	-3.7160	66.110	24.078
114	61096-1	.19898	3092.3	3.0922	-2.3526	1282.9	42.868
115	61065-1	-.09443	21.744	.02174	-2.0885	20.789	19.855
116	61123-1	.48854	21735.	21.736	-.43342	1067.0	7.4725
117	61124-1	.95680	7761.5	7.7616	22.646	56045.	126.82
118	61124-2	.37323	233.11	.23313	15.259	56206.	.28250
119	CCV	489.68	4801.8	4.8021	496.39	5257.9	4908.9
120	CCB	.07606	16.555	.01655	-.37820	155.90	.37995
121	61124-4	.14995	128.66	.12867	5.4211	26040.	.41538
122	61173-1	.22267	22.515	.02251	-2.6729	170.34	1.5513
123	61181-1	.05505	238.98	.23900	-1.2435	98.879	32.029
124	61181-2	-.02178	246.87	.24689	-3.5862	69.865	59.302
125	PBW 179841	-.19259	9.6862	.00968	-1.1428	35.908	-.27251
126	LCSW-1	50.189	1966.4	1.9665	2055.3	1055.2	2035.8
127	61090-1	.31931	37.512	.03751	-.83104	242.03	161.88
128	61093-1	.17526	426.03	.42607	1.8618	83.795	24.092
129	61130-1	-.48389	104.19	.10419	-2.5331	59.364	17.033
130	61130-1L	-.06979	26.392	.02639	.70896	20.755	2.7292
131	CCV	484.27	4793.0	4.7933	496.87	4888.5	4882.5
132	CCB	.19928	8.1460	.00814	-2.8250	29.310	.23451
133	61130-1A	50.392	2083.9	2.0840	2065.2	1078.7	2073.7
134	61130-1S	50.639	2090.7	2.0908	2076.3	1104.5	2086.9
135	61130-1SD	50.965	2082.4	2.0824	2066.0	1092.7	2062.7
136	61130-2	-.21563	145.85	.14586	-3.0712	33.197	25.887
137	61130-3	-.74828	115.60	.11560	1.2006	34.991	16.312
138	61150-1	.58465	87.382	.08739	-1.3571	198.71	6.7651
139	61150-7	.00320	35.811	.03581	-3.4495	148.12	6.8122
140	PBW 180019	.38277	7.3280	.00732	-3.5504	9.6541	-.19726
141	LCSW-1	39.257	1986.9	1.9871	2068.1	1060.0	2017.6
142	RL LCSW-1	9.5320	217.47	.21749	18.940	116.61	10.458
143	CCV	488.79	4854.6	4.8546	496.96	4926.7	4917.5
144	CCB	.07875	14.633	.01463	-2.3899	26.945	.63318
145	61177-1	-.53020	12.353	.01235	-3.0792	43.402	5.8872
146	61177-1L	.12581	56.888	.05689	-2.8246	18.334	1.1975
147	61177-1A	44.338	1957.9	1.9580	2025.1	1009.7	1994.7
148	61177-1S	43.104	1906.6	1.9068	1977.3	1054.0	1952.8
149	61177-1SD	45.088	1976.7	1.9768	2054.9	1101.0	2027.9
150	61061-1	.19753	26.831	.02683	16.922	54.179	86.671
151	61061-2	.22587	32.503	.03250	-2.6796	92.399	39.955
152	61061-3	-.39079	18.440	.01844	-2.3649	103.18	25.153
153	61121-1	-.06962	11.772	.01177	18.563	50.451	64.995
154	61121-3	.34980	11.285	.01128	-1.5051	85.987	27.874
155	CCV	487.87	4871.1	4.8713	497.62	4911.0	4907.9
156	CCB	.37443	8.8342	.00883	-2.9658	27.411	.63997
157	61122-1	.54822	20.001	.02000	-1.0011	167.01	6.3559
158	21993-1	-.33636	14.726	.01472	-.75122	44.328	46.875
159	21993-2	-.04532	23.210	.02321	1.0741	44.305	53.244
160	61061-1 1/20	-.36461	6.5180	.00651	-.41891	15.058	4.2128
161	61061-2 1/20	-.58858	11.712	.01171	-1.5931	17.582	1.9502

#	Sample Name	Ag	Al	2Al	As	B	Ba
162	61061-3 1/20	.37010	10.200	.01020	-4.9704	17.115	1.1817
163	61121-1 1/20	-.46173	6.0693	.00606	-.80556	14.943	2.9421
164	61121-3 1/20	.96517	8.0092	.00801	-2.8432	16.362	1.3661
165	61122-1 1/20	-.36209	2.6725	.00267	-.56430	20.958	.05892
166	CCV	488.73	4866.3	4.8666	492.43	4910.7	4899.5
167	CCB	.17949	7.5146	.00751	.75969	27.691	.31841
168	PBW 180017	.48697	3.0773	.00307	-4.2229	17.217	.08612
169	LCSW-1	51.555	1956.6	1.9567	2015.4	1049.1	1992.8
170	RL LCSW-1	10.543	217.16	.21718	19.667	118.11	10.317
171	29873-9 1/10	.33475	101300.	101.31	-.79019	23.995	1.3409
172	29873-15 1/10	-.19280	67088.	67.089	1.5305	20.636	1.6200
173	29873-16 1/10	.50264	440.74	.44078	-1.2995	15.982	-.06324
174	61112-1	.40186	13.122	.01312	-3.4667	60.427	-.04250
175	61112-1L	.32355	10.412	.01041	-5.5366	24.087	-.21765
176	61112-1A	47.298	1910.2	1.9102	1963.7	1045.4	1929.2
177	61112-1S	51.314	2050.8	2.0510	2106.5	1110.5	2069.1
178	CCV	489.15	4887.3	4.8873	499.41	4916.9	4911.8
179	CCB	.10305	3.2024	.00320	.45023	28.597	.30938
180	61112-1SD	49.815	1995.3	1.9954	2057.5	1086.8	2013.5
181	CCV	490.52	4904.2	4.9042	502.02	4931.1	4917.4
182	CCB	-.31605	4.9178	.00491	-3.2287	30.452	.43264
183	PBW 180163	.17690	7.7391	.00773	-2.2729	19.530	-.14294
184	LCSW-1	51.072	2003.2	2.0033	2058.5	1054.4	2052.2
185	LCSD	50.329	1998.8	1.9989	2066.6	1027.6	2056.4
186	61291-1	-.21642	15820.	15.821	-1.3498	44.539	52.916
187	61291-2	.00414	6263.0	6.2631	-2.0238	36.181	38.473
188	61291-3	-1.9643	H1487e3	1486.8	74.548	154.61	2087.1
189	61291-4	.19678	8655.8	8.6559	1.0855	37.214	25.147
190	61291-5	.00348	14130.	14.131	2.8815	39.592	34.881
191	61291-5L	.42456	2829.2	2.8294	-.51545	21.642	6.5916
192	61291-5A	49.285	16428.	16.429	2029.0	1046.3	2078.0
193	CCV	488.21	4833.3	4.8334	499.30	4925.3	4902.5
194	CCB	.69990	11.260	.01126	.14052	37.516	.83112
195	61291-5S	47.914	29911.	29.912	1958.1	1049.2	2016.9
196	61291-5SD	46.845	29700.	29.700	1898.9	1022.4	1958.0
197	61291-6	-.34039	35291.	35.292	13.873	55.808	100.66
198	61291-7	-.04411	8631.6	8.6319	8.0815	40.305	23.978
199	61291-8	.29951	4606.1	4.6066	3.6726	116.93	14.075
200	61291-9	.15297	4084.1	4.0843	-.87591	40.970	13.445
201	61291-10	.55219	9415.8	9.4162	2.3754	124.55	23.403
202	CCV	484.11	4792.9	4.7932	495.44	4877.8	4864.4
203	CCB	.00662	7.4578	.00745	-3.2281	37.836	.85904
204	61322-1 180221	3.5248	7648.4	7.6490	73.528	202.77	2572.8
205	61322-2	5.5486	10399.	10.399	97.726	225.98	715.36
206	61322-3	2.3659	25461.	25.462	77.523	141.89	1442.4
207	61322-4	2.1510	28071.	28.072	82.944	127.38	8288.6
208	61283-1	.45477	91102.	91.104	81.290	35.108	302.04
209	CCV	492.23	4867.8	4.8680	501.28	4953.5	4922.9
210	CCB	.28341	11.368	.01136	-2.9108	31.908	.83786
211	CCV	483.12	4815.6	4.8158	493.24	4824.7	4818.8
212	CCB	.26708	3.3792	.00337	-.80419	17.040	-.05226
213	PBS 180221	-.22037	7.2564	.00725	-1.0605	11.989	-.10030
214	PBS 180221	.49512	9.6146	.00961	-3.1241	9.4309	.03263
215	61056-1 179840	-.14411	11365.	11.365	3.3782	208.43	169.75

#	Sample Name	Ag	Al	2Al	As	B	Ba
216	61056-1L	.16304	2274.0	2.2741	-1.1299	52.061	33.723
217	61056-1A	50.734	13293.	13.295	2099.5	1204.1	2240.9
218	61173-1 1/5	.73899	6.4353	.00643	.80844	13.341	.24718
219	PBW 180017	-.11809	4.2629	.00426	-2.6119	9.5168	-.09379
220	LCSW-1	52.420	1967.4	1.9675	2020.0	1042.1	1994.7
221	RL LCSW-1	10.376	210.91	.21093	20.544	113.37	10.120
222	CCV	487.02	4867.9	4.8680	492.30	4876.3	4871.3
223	CCB	-.27486	2.9264	.00292	-2.8391	23.436	-.15317
224	61322-1 1/10 180221	.56351	782.18	.78226	7.1173	33.972	249.08
225	61322-2 1/10	.39654	1007.2	1.0073	5.2698	33.689	75.343
226	61322-3 1/10	-.09273	2508.1	2.5082	3.1029	22.946	147.75
227	61322-4 1/10	.11418	2723.7	2.7237	6.9969	20.673	802.17
228	RL ICP	10.087	210.32	.21033	19.353	109.85	9.8139
229	RL ICP	9.8635	209.96	.20998	19.578	108.02	9.7118
230	ICSA61	.45508	515160.	515.17	-5.6966	22.499	.67098
231	ICSAB61	205.23	511450.	511.46	99.186	22.269	517.01
232	CCV	488.56	4869.4	4.8696	498.38	4891.6	4870.4
233	CCB	-.06766	2.9337	.00293	-1.8993	22.062	-.09319

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
1	HIGH STD 00034	993.47	9934.9	990.77	984.94	9936.2	9920.2
2	ICV 00190	978.45	973.28	989.09	975.78	989.17	989.90
3	ICB	-.00858	.38767	-.21824	-.59406	.05583	-.38052
4	RL ICP 00045	3.9435	500.29	4.8006	9.6620	9.5348	21.023
5	RL ICP 00045	3.9553	501.30	4.9366	9.9066	9.8903	21.255
6	ICSA61 00022	.07987	541380.	-.23496	-.00755	1.5392	1.3986
7	ICSAB61 00038	515.03	533730.	978.04	476.00	493.60	538.89
8	CCV 00072	497.97	4931.6	498.01	492.85	4978.5	4951.6
9	CCB	.01005	-.75360	.17610	-.39450	.03633	-.19279
10	PBS 180221	.01259	33.426	-.23450	.07075	.52202	-.08917
11	LCSS-1	49.642	4940.5	50.289	499.57	202.11	252.14
12	61154-1	4.4646	13454.	.05868	33.343	88.008	62.667
13	61154-1L	.92232	2700.7	-.13956	6.5285	17.985	12.335
14	61154-1A	50.452	17675.	45.900	486.36	269.56	293.20
15	61154-1S	51.772	16941.	48.980	510.13	256.83	293.99
16	61154-1SD	54.210	16353.	50.974	525.93	277.32	301.07
17	CCV	492.91	4898.9	494.32	487.85	4928.4	4917.8
18	CCB	.04613	1.3975	-.07776	-.25998	.44501	.45888
19	PBS 180131	-.00128	10.531	-.12994	-.32583	1.2055	-.72788
20	LCSS-1	52.428	5232.1	52.981	525.72	212.50	273.57
21	61109-1	3.4508	12637.	-.10738	31.420	64.088	52.604
22	61109-2	3.2878	23047.	14.307	27.100	65.064	65.173
23	61109-2L	.66148	4708.9	2.6456	5.0776	13.365	12.737
24	61109-2A	51.849	27689.	62.518	506.79	259.93	310.41
25	61109-2S	52.726	29645.	64.011	505.79	245.74	309.47
26	61109-2SD	55.676	35116.	76.471	546.43	280.52	344.03
27	61109-3	3.9199	9927.2	2.5069	18.324	34.839	38.290
28	61109-4	5.1981	9625.5	5.0236	44.737	39.691	44.838
29	CCV	484.36	4824.4	486.50	477.76	4840.7	4823.5
30	CCB	.06943	1.4491	-.23142	-.51229	.41012	-.49704
31	60987-4	4.9961	16557.	1.4679	80.986	187.94	1019.2
32	60987-5	4.6637	16205.	.60578	76.762	191.18	658.74

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
33	60987-6	4.7391	13942.	.38654	75.893	184.58	934.81
34	60987-6S	53.673	20340.	48.450	553.64	384.87	1115.3
35	60987-6SD	56.542	22720.	50.784	578.72	388.86	1277.3
36	PBS 179451	-.00899	15.159	-.16963	-.45099	1.1230	-.45115
37	LCSS-1	52.290	5119.7	53.356	521.13	211.50	260.94
38	60980-1	10.260	94835.	1.4385	85.107	243.72	116.62
39	60980-1L	2.0232	18575.	.01741	16.496	48.683	21.475
40	60980-1A	56.598	98433.	47.370	531.83	423.93	348.95
41	CCV	489.25	4866.0	493.75	482.29	4883.3	4845.5
42	CCB	.09404	2.7114	.03392	-.28609	1.1601	.71312
43	60980-1S	59.758	178180.	50.372	536.92	440.83	365.74
44	60980-1SD	60.425	124860.	50.041	550.03	443.89	365.78
45	60980-2	10.985	347190.	.68919	63.141	229.02	104.98
46	60980-3	10.330	288300.	.74436	94.884	236.87	97.002
47	60980-4	5.2804	H990210.	.16448	30.724	127.47	48.216
48	60980-5	8.8768	507560.	.47555	42.877	186.88	81.753
49	60980-6	10.373	351360.	.74737	58.516	234.18	94.728
50	60980-7	3.2696	H1570e3	4.2165	46.800	149.10	312.62
51	60980-8	5.0436	H1133e3	.32229	31.515	118.31	45.102
52	60980-9	4.8212	H1442e3	3.0349	38.657	124.52	132.51
53	CCV	500.31	4935.4	507.28	491.09	4977.1	4906.2
54	CCB	.03982	26.262	.09974	-.50904	-.01581	-1.1662
55	60980-10	9.6025	589790.	.54116	47.707	220.75	80.890
56	60961-1	7.0418	147030.	2.7034	82.975	196.89	369.65
57	60961-2	6.6397	201930.	2.4490	75.350	183.61	274.30
58	60961-3	5.6797	220160.	3.3235	53.095	143.03	357.18
59	60920-1	1.4658	284210.	H71646.	238.73	H42264.	47700.
60	60920-1 1/20	.06057	14345.	4317.0	12.766	2227.9	2222.5
61	60920-1 1/100	-.00441	2876.7	868.98	2.3904	445.94	444.65
62	61005-1	1.2948	225700.	.20977	9.3307	220.71	298.42
63	61005-2	.73011	64950.	-1.3483	3.1858	97.897	104.47
64	CCV	501.07	4855.8	508.32	490.19	4989.8	4851.0
65	CCB	.05282	.83834	-.03063	.04041	.67669	-.10708
66	60870-2	.03313	843.78	1562.8	132.90	1850.9	110.60
67	60869-4	.53504	182840.	66.387	1067.3	800.60	317.39
68	60975-1	9.8096	189350.	-1.5046	39.947	1030.1	107.67
69	PBW 179540	-.01783	10.044	-.04316	-.59375	.11039	-1.6944
70	LCSW-1	52.767	5129.1	54.115	522.00	212.05	253.69
71	60986-1	.01947	8404.8	2.1834	.44526	75.669	6.0763
72	60986-1S	53.178	13467.	55.936	525.17	291.16	265.51
73	60986-1SD	53.447	13480.	56.425	528.27	297.25	268.10
74	60994-1	.17023	57007.	-.13820	8.1749	5.5283	3.4654
75	60994-1L	.04551	11283.	-.12384	1.4340	.93957	-.81771
76	CCV	505.85	4905.6	516.10	494.64	5033.8	4874.7
77	CCB	.05240	-1.6548	-.12391	-.70820	-.11951	-1.4952
78	60994-1A	49.366	60298.	49.630	484.08	200.31	237.52
79	60944-2	-.01877	16981.	.04181	12.107	16.414	106.95
80	61012-1	1.3993	544.07	-.10826	1.0452	12.547	.30273
81	61012-2	.20880	12798.	.31177	-.21224	2.3324	-.64388
82	61012-9	6.8933	2784.1	-.76687	2.0155	84.759	4.1570
83	60994-1	.07190	56521.	-.18134	8.1956	1.1822	-.97108
84	60994-2	-.01058	16288.	.12665	11.683	15.261	111.59
85	CCV	504.64	4899.3	515.88	494.00	5013.7	4852.7
86	CCB	.03090	-3.8432	-.09762	-.13777	.25506	-.56493

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
87	PBW 179845	-.00599	9.3720	-.12130	-.42562	.40086	-1.3011
88	LCSW-1	52.607	5157.0	54.119	522.61	212.50	250.21
89	60917-5	-.01018	89785.	-.29846	.53930	.10824	-1.5239
90	60917-5S	54.526	96211.	54.758	528.82	215.96	259.69
91	60917-5SD	53.895	94517.	54.553	523.87	213.51	256.88
92	61093-1	-.02579	63348.	-.37070	-.04003	.11517	.57308
93	61093-1L	-.03351	12655.	-.33729	.12159	-.40874	-.80020
94	61093-1A	48.545	67576.	48.849	467.22	193.81	229.37
95	CCV	504.31	4914.1	515.82	493.63	5019.9	4852.7
96	CCB	.03261	-2.2223	-.23881	.12894	.80490	-.98778
97	PBW 179840	-.01916	11.259	-.05441	.15280	-.42651	-1.7615
98	LCSW-1	49.823	4891.1	52.159	495.78	201.59	240.43
99	61032-1	-.08129	7720.2	-.22645	-.21826	.93011	1.0323
100	61032-1L	-.02520	1536.6	-.16965	-.25798	.27199	-.43245
101	61032-1A	47.173	12738.	51.413	488.04	193.37	250.05
102	61032-1S	47.527	12078.	52.100	490.47	193.72	250.17
103	61032-1SD	50.662	12828.	55.288	524.83	207.05	268.11
104	61031-3	-.00496	16854.	-.28228	3.1256	10.716	12.888
105	61052-1	1.9833	15667.	-.11635	9.2895	34.848	580.61
106	61052-1S	52.965	20771.	52.451	518.56	236.89	825.27
107	CCV	491.97	4830.4	501.08	485.10	4912.6	4766.1
108	CCB	.03840	-.83586	.00936	-.14496	.49588	-.86731
109	61052-1SD	51.541	19975.	51.285	505.54	230.33	796.71
110	61052-2	.52055	30401.	1.3401	15.383	.33163	5778.4
111	61056-1	.56000	71852.	-.04466	6.8670	15.461	8.9514
112	61067-1	-.04703	30473.	-.04460	.63670	10.701	12.463
113	61093-1	.00664	62056.	-.20008	.43418	.49274	7.9692
114	61096-1	-.00857	10056.	1.5085	-.42713	.32299	30.292
115	61065-1	-.00113	33331.	-.21744	.15146	.16037	1.0848
116	61123-1	-.00557	8683.9	-.01676	2.5677	6.4677	108.02
117	61124-1	1.3430	79371.	5.7776	11.428	57.543	1873.3
118	61124-2	-.04415	3730.4	1.9018	4.7649	2.8298	1.9093
119	CCV	499.23	4912.7	507.11	491.95	4984.5	4872.0
120	CCB	.03154	-.07173	.25840	.08705	1.0477	-.17635
121	61124-4	-.01543	13757.	.99522	2.6179	2.2508	45.224
122	61173-1	.00266	221.44	.05674	-.23401	.10903	.19851
123	61181-1	.00446	6105.9	-.15335	-.52007	.58235	1.8080
124	61181-2	.00924	1839.7	-.28540	-.28996	.09037	11.045
125	PBW 179841	-.00913	21.976	-.37660	.05986	.00976	-.68020
126	LCSW-1	50.686	5033.0	52.250	508.97	205.95	246.79
127	61090-1	.07943	61753.	-.32452	.07620	1.3920	-.02638
128	61093-1	.02870	62520.	-.05773	.49707	.84346	8.1013
129	61130-1	.00037	1478.1	-.28280	-.05634	1.1033	.37169
130	61130-1L	-.02815	263.05	-.31070	-.96868	-.21892	-.91521
131	CCV	492.24	4869.2	499.34	488.48	4941.5	4830.3
132	CCB	.05819	.06878	-.16234	.09047	.45729	.25294
133	61130-1A	51.542	6510.9	53.126	514.23	208.13	257.69
134	61130-1S	51.685	6531.8	53.138	518.27	210.12	259.05
135	61130-1SD	51.185	6468.3	52.641	511.55	206.68	255.80
136	61130-2	.04204	1897.4	-.43762	.03116	.67658	-.38082
137	61130-3	-.00493	1394.6	-.38308	-.80157	1.0229	.50097
138	61150-1	.01587	39118.	-.15275	.20304	1.4263	7.3146
139	61150-7	-.01012	45175.	-.36484	-.29562	.68352	7.4351
140	PBW 180019	.00119	4.3156	-.20436	-.35853	-.20182	-.45208

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
141	LCSW-1	50.104	5156.5	52.411	506.36	204.17	240.79
142	RL LCSW-1	4.0065	510.77	5.0912	10.030	10.346	21.444
143	CCV	494.68	4922.7	502.92	491.96	4979.7	4872.8
144	CCB	.06223	5.6689	.13180	-.41456	1.0800	1.2013
145	61177-1	-.00439	20644.	-.29620	-.44958	.08670	1.6613
146	61177-1L	.00540	4232.1	-.10454	-.62062	.27771	1.8003
147	61177-1A	49.434	25054.	50.576	493.36	199.20	246.28
148	61177-1S	48.313	25055.	49.862	481.32	195.80	240.04
149	61177-1SD	50.297	25567.	52.097	501.58	203.12	249.50
150	61061-1	-.01683	26684.	-.38854	-.38219	-.27358	-.06111
151	61061-2	-.00711	50040.	-.15297	-.20442	-.42985	-.27586
152	61061-3	-.02483	47203.	-.30971	.16871	-.31348	-.24079
153	61121-1	-.03002	26744.	-.14943	-.29035	.51540	.01324
154	61121-3	-.00798	46790.	-.28322	-.41294	-.31315	.07778
155	CCV	492.30	4913.9	499.83	490.68	4961.5	4869.0
156	CCB	.07005	1.3131	.24756	-.45323	.71633	1.1754
157	61122-1	.02331	33256.	-.11269	-.51751	-.25372	2.3110
158	21993-1	-.01570	8924.3	-.25243	.05029	-.37119	13.333
159	21993-2	-.00026	9691.9	-.05833	-.03575	.16910	2.2893
160	61061-1 1/20	-.02843	1349.9	-.35660	-.20293	-.17741	-.79099
161	61061-2 1/20	-.02457	2526.1	-.25345	-.75425	-.25521	-.71228
162	61061-3 1/20	.01075	2376.9	-.29869	.02250	-.25474	-.07526
163	61121-1 1/20	-.01168	1353.6	-.41602	-.46662	.55569	.07052
164	61121-3 1/20	.01027	2349.5	-.19061	-.19087	.15290	8.3384
165	61122-1 1/20	.00137	1656.5	-.23733	.15460	-.12142	-.20092
166	CCV	492.28	4924.0	499.63	491.45	4960.2	4866.5
167	CCB	.04557	.49678	-.11140	.20279	.62627	.05085
168	PBW 180017	.01870	9.3871	-.12478	-.42713	.01156	-.32143
169	LCSW-1	49.506	5165.1	50.773	500.81	202.70	241.54
170	RL LCSW-1	4.0357	518.15	5.0856	10.896	10.225	21.356
171	29873-9 1/10	.37325	51123.	-.48053	.78501	-.07436	-.23749
172	29873-15 1/10	.69477	24220.	-.29504	.76490	1.6351	-.55611
173	29873-16 1/10	.00513	154.59	.08114	.58573	-.07741	.06562
174	61112-1	.02114	229.86	.01685	-.79817	-.35207	.44630
175	61112-1L	-.00651	46.852	-.39187	-.00281	-.21642	-.89269
176	61112-1A	48.089	5175.9	49.730	485.22	193.42	242.69
177	61112-1S	51.542	5461.0	53.208	521.41	207.43	261.11
178	CCV	494.50	4941.5	502.01	492.18	4981.8	4876.1
179	CCB	.04863	.79717	-.09843	-.46521	.03688	.22128
180	61112-1SD	50.128	5326.2	51.570	506.50	202.25	254.34
181	CCV	495.80	4951.2	501.30	493.68	4992.2	4878.0
182	CCB	.05889	2.4604	-.06110	-.03385	.48495	-.00846
183	PBW 180163	.00463	13.513	-.14661	-.13946	.55888	-.21743
184	LCSW-1	50.983	5226.1	52.034	514.22	209.13	252.66
185	LCSD	51.069	5063.7	52.191	515.68	209.86	253.69
186	61291-1	.26571	892.65	-.05921	1.1893	26.121	5.9558
187	61291-2	.10631	11193.	-.34197	.09727	10.408	2.1626
188	61291-3	11.163	20764.	-1.6540	48.104	1385.8	350.39
189	61291-4	.16238	640.31	-.41090	.40839	38.522	8.8027
190	61291-5	.15298	371.03	-.31273	-.06764	19.939	6.8718
191	61291-5L	.04601	79.648	.15912	-.37973	3.9974	.93799
192	61291-5A	51.168	5443.1	51.358	510.59	226.73	259.64
193	CCV	494.01	4927.7	498.86	490.67	4968.4	4872.1
194	CCB	.08518	1.5820	-.04923	-.65390	.09913	.05198

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
195	61291-5S	49.745	5361.5	49.804	495.59	228.71	253.24
196	61291-5SD	48.282	5156.7	48.019	480.36	221.40	245.27
197	61291-6	.38094	3694.5	-.84574	.79227	48.322	9.6546
198	61291-7	.17074	6477.4	-.42856	.22112	12.732	1.1758
199	61291-8	.08827	404.99	-.23623	.10761	7.5571	1.2157
200	61291-9	.09435	274.16	-.20088	.14393	6.9112	.79242
201	61291-10	.14861	335.16	-.36358	.89145	12.962	4.6211
202	CCV	490.19	4885.3	495.12	487.06	4927.3	4830.6
203	CCB	.10181	1.7582	.09356	.07700	.87330	.79673
204	61322-1 180221	.26429	H900880.	164.48	128.62	16670.	734.13
205	61322-2	.35272	566260.	309.63	114.93	10786.	867.81
206	61322-3	.29977	308020.	93.742	63.597	21265.	301.94
207	61322-4	.37454	567960.	252.36	52.325	12112.	367.40
208	61283-1	2.6434	2869.9	-.66397	36.675	122.76	77.762
209	CCV	497.93	4933.1	505.29	494.24	5016.3	4893.3
210	CCB	.07547	5.3665	.00580	-.36590	1.1115	.03909
211	CCV	482.99	4812.2	489.57	482.95	4877.8	4802.6
212	CCB	.01793	-1.3012	-.18338	-.45188	.09440	-.02552
213	PBS 180221	.00984	14.091	.09037	-.61886	.81103	.36876
214	PBS 180221	-.00441	19.423	-.20482	-.04082	.35366	.32185
215	61056-1 179840	.55095	70601.	-.38701	6.2195	15.768	9.1858
216	61056-1L	.13274	14035.	.12374	1.3366	3.0772	1.0848
217	61056-1A	51.994	75263.	51.515	511.29	222.04	261.55
218	61173-1 1/5	.00464	48.881	.24358	-.56905	-.06612	-.36134
219	PBW 180017	-.00817	8.2460	-.38954	-.83832	.23038	.07442
220	LCSW-1	49.511	5172.1	51.337	503.48	202.92	243.43
221	RL LCSW-1	3.9647	510.90	5.0309	8.9323	9.9590	21.015
222	CCV	490.30	4900.0	499.26	488.77	4950.6	4833.0
223	CCB	.00832	-1.1582	-.32975	-1.3856	-.29045	-.78859
224	61322-1 1/10 180221	.01373	79176.	16.373	13.377	1705.4	69.129
225	61322-2 1/10	.04677	51944.	30.634	11.585	1088.0	78.400
226	61322-3 1/10	.04414	28354.	8.7654	5.8168	2063.4	27.629
227	61322-4 1/10	.02205	51213.	25.467	5.4309	1196.4	34.834
228	RL ICP	3.9220	498.06	5.1007	9.6774	10.366	21.102
229	RL ICP	3.9182	495.91	4.8829	9.6186	9.9124	20.001
230	ICSA61	.09810	527650.	-.20633	.41854	1.4121	1.7357
231	ICSAB61	504.49	522830.	974.70	470.38	488.59	520.64
232	CCV	492.82	4924.3	501.79	492.38	4987.8	4844.6
233	CCB	.02475	-.94046	.03012	.06854	-.19146	.27099

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
1	HIGH STD 00034	9935.2	9.9352	19843.	9942.7	9.9428	9947.0
2	ICV 00190	1002.7	1.0030	19156.	982.24	.98223	984.36
3	ICB	-5.6174	-.00561	-6.4477	1.3269	.00132	-.02247
4	RL ICP 00045	61.039	.06103	967.48	502.92	.50277	9.8974
5	RL ICP 00045	50.677	.05067	975.25	502.68	.50253	10.016
6	ICSA61 00022	194090.	194.06	-7.5100	525280.	525.07	-1.2793
7	ICSAB61 00038	193370.	193.35	-16.864	522190.	522.00	496.64
8	CCV 00072	4958.9	4.9592	9846.9	4960.0	4.9600	4982.5
9	CCB	9.2368	.00923	-3.9313	1.3295	.00132	-.01695
10	PBS 180221	58.489	.05848	-.17767	1.3443	.00133	.79888
11	LCSS-1	1023.4	1.0236	4814.5	4976.1	4.9747	503.32

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
12	61154-1	122060.	122.04	3182.6	26315.	26.286	1678.3
13	61154-1L	24998.	24.995	628.54	5368.5	5.3627	344.52
14	61154-1A	120230.	120.21	8080.2	30618.	30.587	2105.4
15	61154-1S	76475.	76.467	7829.6	20843.	20.824	1510.3
16	61154-1SD	67116.	67.108	7650.8	18432.	18.416	1346.2
17	CCV	4912.8	4.9130	9760.4	4905.8	4.9058	4938.2
18	CCB	9.7841	.00978	-11.193	-.00469	.00000	.62440
19	PBS 180131	34.509	.03450	-4.0370	.01277	.00000	.37112
20	LCSS-1	1072.0	1.0721	5051.6	5263.4	5.2620	531.13
21	61109-1	70191.	70.181	3981.6	18362.	18.345	1112.8
22	61109-2	77950.	77.941	2951.6	20870.	20.851	1157.9
23	61109-2L	15946.	15.945	586.15	4267.6	4.2637	237.35
24	61109-2A	77859.	77.850	7928.9	25597.	25.577	1630.7
25	61109-2S	64241.	64.236	7314.5	18323.	18.307	1444.1
26	61109-2SD	86877.	86.863	8709.2	25957.	25.934	1915.8
27	61109-3	62745.	62.735	3355.0	11470.	11.456	993.88
28	61109-4	140290.	140.27	4003.2	12588.	12.560	1056.7
29	CCV	4819.5	4.8198	9638.6	4815.2	4.8152	4845.2
30	CCB	11.896	.01189	-8.5458	-1.3474	-.00134	.73889
31	60987-4	243460.	243.44	15918.	40131.	40.078	3799.5
32	60987-5	220190.	220.15	15144.	40840.	40.789	3421.1
33	60987-6	221160.	221.13	15642.	39013.	38.964	3400.9
34	60987-6S	225650.	225.62	20479.	44630.	44.579	3915.6
35	60987-6SD	271440.	271.41	20224.	43885.	43.826	4214.6
36	PBS 179451	31.093	.03109	17.796	1.3365	.00133	.39748
37	LCSS-1	1045.7	1.0458	4854.1	5102.6	5.1013	527.09
38	60980-1	181030.	181.01	H47570.	48582.	48.539	8113.9
39	60980-1L	36130.	36.125	8934.4	9668.2	9.6598	1625.7
40	60980-1A	179320.	179.30	H52144.	52730.	52.687	8458.9
41	CCV	4815.6	4.8159	9638.4	4840.7	4.8407	4891.6
42	CCB	9.3644	.00936	7.8802	4.0364	.00403	1.2349
43	60980-1S	170540.	170.52	H54936.	53019.	52.974	3843.7
44	60980-1SD	181040.	181.02	H53334.	54335.	54.288	4687.6
45	60980-2	175070.	175.04	H49422.	53783.	53.734	3491.6
46	60980-3	170670.	170.65	H46822.	51385.	51.342	6581.1
47	60980-4	86436.	86.422	25365.	28037.	28.014	1532.5
48	60980-5	132030.	132.01	H38542.	41038.	41.003	2251.8
49	60980-6	157690.	157.67	H47026.	52555.	52.511	3075.5
50	60980-7	416880.	416.81	14301.	21319.	21.242	4532.2
51	60980-8	87136.	87.127	21875.	24278.	24.256	1316.4
52	60980-9	95282.	95.272	21623.	23860.	23.837	1348.5
53	CCV	4912.9	4.9132	9736.3	4920.0	4.9201	4967.3
54	CCB	9.3816	.00938	-10.344	-5.4010	-.00540	.46007
55	60980-10	147220.	147.20	H40848.	57063.	57.020	2389.3
56	60961-1	204080.	204.05	21848.	56882.	56.831	4298.2
57	60961-2	193210.	193.18	21520.	73812.	73.754	4307.9
58	60961-3	200550.	200.52	15470.	62997.	62.944	2324.4
59	60920-1	H2689e3	2688.7	H106200.	209410.	208.97	H233700.
60	60920-1 1/20	144070.	144.05	4525.2	10981.	10.960	16949.
61	60920-1 1/100	28910.	28.906	889.54	2191.1	2.1870	3407.9
62	61005-1	293840.	293.80	1174.3	9166.7	9.1129	921.59
63	61005-2	150770.	150.75	596.73	3075.6	3.0484	357.80
64	CCV	4852.6	4.8528	9717.5	4920.4	4.9204	4980.6
65	CCB	8.0742	.00807	-1.9414	1.3369	.00133	.98976

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
66	60870-2	1530.3	1.5302	121.99	698.88	.69859	404.70
67	60869-4	5426.5	5.4265	5202.0	9203.9	9.2008	1015.6
68	60975-1	230810.	230.79	26783.	124480.	124.40	365.31
69	PBW 179540	38.786	.03878	1.8495	1.3350	.00132	.02166
70	LCSW-1	1015.6	1.0157	5098.1	5220.5	5.2191	525.30
71	60986-1	1117.8	1.1177	4374.4	1451.4	1.4508	25.311
72	60986-1S	2191.5	2.1916	9661.6	6679.2	6.6772	553.78
73	60986-1SD	2242.7	2.2427	9647.3	6707.9	6.7059	555.69
74	60994-1	4337.6	4.3373	3303.5	9058.3	9.0575	5421.7
75	60994-1L	825.60	.82553	611.57	1868.9	1.8687	1041.5
76	CCV	4898.8	4.8990	9776.7	4949.4	4.9494	5005.3
77	CCB	-7.5400	-.00753	-10.598	.00406	.00000	.51080
78	60994-1A	5133.2	5.1330	8337.3	13789.	13.786	5736.5
79	60944-2	77.279	.07728	H716150.	5.3908	.00537	1.3890
80	61012-1	5556.9	5.5565	553.26	1458.2	1.4568	5.6401
81	61012-2	1338.5	1.3384	1376.5	2503.9	2.5030	2.1211
82	61012-9	31356.	31.353	2828.9	3446.0	3.4395	19.091
83	60994-1	2318.5	2.3183	3065.7	8786.8	8.7864	5368.0
84	60994-2	78.520	.07852	H730600.	8.2666	.00825	1.1566
85	CCV	4875.1	4.8754	9808.0	4956.6	4.9567	4981.6
86	CCB	-12.768	-.01276	14.913	1.3341	.00133	.64076
87	PBW 179845	-9.1859	-.00918	-8.6939	2.6546	.00265	.21621
88	LCSW-1	1017.1	1.0172	5292.7	5206.8	5.2054	523.25
89	60917-5	-.59265	-.00059	5988.4	16856.	16.852	.37543
90	60917-5S	1050.3	1.0504	11586.	22451.	22.445	536.10
91	60917-5SD	1019.6	1.0198	11532.	22079.	22.072	530.82
92	61093-1	17.101	.01709	2825.7	27924.	27.916	3.0368
93	61093-1L	-.88453	-.00088	532.26	5642.3	5.6407	.59996
94	61093-1A	954.64	.95476	8245.2	32777.	32.766	484.93
95	CCV	4903.4	4.9037	9709.4	4964.9	4.9649	4978.7
96	CCB	7.7530	.00775	-14.832	-1.3615	-.00136	.54968
97	PBW 179840	.51867	.00051	8.1101	-5.4155	-.00541	-.05562
98	LCSW-1	954.21	.95434	4873.6	4955.8	4.9544	497.90
99	61032-1	.78672	.00078	28343.	2118.6	2.1180	3.8245
100	61032-1L	2.6893	.00268	4124.6	429.67	.42954	.77305
101	61032-1A	950.75	.95088	H37922.	7162.8	7.1608	484.76
102	61032-1S	940.24	.94037	H35892.	6819.3	6.8174	488.67
103	61032-1SD	1006.5	1.0067	H37724.	7260.2	7.2582	521.43
104	61031-3	1998.2	1.9981	7171.9	2526.0	2.5250	88.530
105	61052-1	19358.	19.355	3795.7	7021.2	7.0159	146.26
106	61052-1S	20428.	20.426	9313.0	12198.	12.192	660.09
107	CCV	4807.3	4.8075	9548.5	4897.0	4.8970	4886.3
108	CCB	15.187	.01518	-3.0157	1.3350	.00133	.56818
109	61052-1SD	19558.	19.557	9104.9	11759.	11.752	642.16
110	61052-2	112.18	.11217	7158.4	15005.	15.001	83.422
111	61056-1	14591.	14.590	2068.5	23503.	23.494	1496.9
112	61067-1	429.61	.42957	12136.	4108.7	4.1074	39.764
113	61093-1	694.24	.69418	2680.0	27397.	27.389	25.176
114	61096-1	11.421	.01142	8743.5	33.459	.03344	.96080
115	61065-1	49.501	.04949	2074.9	5037.2	5.0358	7.2998
116	61123-1	421.97	.42194	H135050.	9088.5	9.0859	127.99
117	61124-1	41112.	41.106	31057.	10946.	10.936	1235.5
118	61124-2	2618.7	2.6186	28005.	2602.6	2.6015	26.847
119	CCV	4887.6	4.8878	9650.5	4980.6	4.9806	4966.0

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
120	CCB	5.3934	.00539	-5.4014	-.05341	-.00005	.44629
121	61124-4	2690.1	2.6899	9181.1	5385.2	5.3832	45.900
122	61173-1	13.963	.01396	35.489	45.720	.04570	1.3025
123	61181-1	74.773	.07476	2033.4	3251.0	3.2501	8.2033
124	61181-2	17.109	.01710	1641.6	937.98	.93771	1.5718
125	PBW 179841	-3.1571	-.00315	-18.225	1.3278	.00132	.04342
126	LCSW-1	986.55	.98669	5134.2	5127.1	5.1257	511.47
127	61090-1	3722.7	3.7225	4004.0	28733.	28.726	7607.5
128	61093-1	494.16	.49412	2799.7	27689.	27.681	24.406
129	61130-1	905.96	.90589	1285.2	316.04	.31581	59.673
130	61130-1L	156.47	.15646	183.80	53.738	.05369	10.532
131	CCV	4836.1	4.8364	9663.8	4944.2	4.9442	4933.5
132	CCB	6.5163	.00651	-12.584	2.7354	.00273	.53675
133	61130-1A	1874.1	1.8742	6843.4	5580.6	5.5790	580.40
134	61130-1S	1897.2	1.8973	6904.0	5555.0	5.5534	583.81
135	61130-1SD	1911.6	1.9117	6823.4	5470.0	5.4684	578.21
136	61130-2	3620.6	3.6203	3230.1	748.77	.74798	120.41
137	61130-3	1958.2	1.9581	2510.6	400.69	.40024	36.740
138	61150-1	50.452	.05044	12747.	6068.5	6.0668	28.711
139	61150-7	18.191	.01818	9842.0	7278.4	7.2763	4.7530
140	PBW 180019	-8.8371	-.00883	-5.7136	-.03634	-.00003	-.03262
141	LCSW-1	975.14	.97527	5708.8	5286.2	5.2848	507.74
142	RL LCSW-1	45.223	.04522	1110.3	520.74	.52058	10.346
143	CCV	4891.0	4.8912	9718.4	4995.5	4.9955	4969.8
144	CCB	-9.4893	-.00948	-4.3992	5.5247	.00552	.93880
145	61177-1	272.04	.27202	2732.0	8230.9	8.2285	3.4490
146	61177-1L	62.141	.06213	492.58	1672.5	1.6720	1.0775
147	61177-1A	1236.9	1.2371	8129.5	12973.	12.970	501.33
148	61177-1S	1224.1	1.2242	8204.2	13001.	12.997	490.94
149	61177-1SD	1252.9	1.2530	8530.9	13407.	13.403	509.70
150	61061-1	149.51	.14950	4126.4	10437.	10.434	5.6145
151	61061-2	88.365	.08835	10292.	34285.	34.274	11.983
152	61061-3	.66744	.00066	9929.5	38020.	38.006	-.17608
153	61121-1	144.46	.14445	4041.4	9597.4	9.5947	5.9109
154	61121-3	1.7663	.00176	6116.6	34085.	34.075	-.13458
155	CCV	4878.6	4.8789	9753.9	4987.8	4.9878	4958.1
156	CCB	9.3474	.00934	-7.5146	2.7352	.00273	.84699
157	61122-1	32.016	.03201	6468.8	7880.6	7.8784	17.242
158	21993-1	3.2601	.00325	3160.6	3190.4	3.1895	1.5781
159	21993-2	154.72	.15471	3262.8	3055.9	3.0551	48.770
160	61061-1 1/20	1.7414	.00174	160.55	521.37	.52122	.17888
161	61061-2 1/20	-3.5638	-.00356	377.42	1724.9	1.7244	.58732
162	61061-3 1/20	5.4379	.00543	373.69	1906.5	1.9060	-.04211
163	61121-1 1/20	-1.4887	-.00148	151.08	485.65	.48551	.32417
164	61121-3 1/20	7.1374	.00713	259.72	1711.5	1.7110	-.01667
165	61122-1 1/20	11.825	.01182	272.96	390.55	.39043	.73753
166	CCV	4901.3	4.9016	9736.7	5000.6	5.0005	4957.7
167	CCB	2.3161	.00231	-1.3760	1.3320	.00133	.46906
168	PBW 180017	1.1854	.00118	-2.3633	-1.4348	-.00143	.15493
169	LCSW-1	978.96	.97909	5446.0	5278.4	5.2769	502.73
170	RL LCSW-1	40.458	.04045	1048.8	517.26	.51710	10.214
171	29873-9 1/10	1208.0	1.2079	273.12	3903.7	3.9024	31.112
172	29873-15 1/10	2534.1	2.5339	180.83	2682.2	2.6810	17.917
173	29873-16 1/10	16.944	.01694	-1.6273	19.733	.01972	.15521

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
174	61112-1	44.065	.04406	483.35	78.955	.07892	.55094
175	61112-1L	-12.782	-.01278	70.091	15.324	.01532	.06407
176	61112-1A	949.06	.94919	6614.2	5214.0	5.2126	487.97
177	61112-1S	1022.0	1.0222	6929.0	5468.9	5.4674	524.19
178	CCV	4913.1	4.9133	9792.7	5014.7	5.0147	4975.7
179	CCB	6.6075	.00660	-14.224	2.7310	.00272	.48316
180	61112-1SD	994.93	.99507	6806.6	5331.6	5.3302	510.53
181	CCV	4935.2	4.9355	9817.7	5027.9	5.0279	4985.0
182	CCB	4.4590	.00445	-12.489	-.07428	-.00007	.64368
183	PBW 180163	2.2825	.00228	-12.649	-.07354	-.00007	.02292
184	LCSW-1	1015.9	1.0160	5205.3	5324.7	5.3233	518.59
185	LCSD	1010.8	1.0109	5021.5	5148.1	5.1467	519.13
186	61291-1	7678.1	7.6776	300.17	2533.5	2.5315	20.751
187	61291-2	4299.0	4.2987	271.25	2528.8	2.5273	7.6105
188	61291-3	198080.	198.06	17931.	55239.	55.188	178.98
189	61291-4	7655.2	7.6547	240.01	1615.5	1.6137	40.717
190	61291-5	3636.9	3.6366	316.44	1435.7	1.4347	7.8567
191	61291-5L	718.85	.71879	56.887	284.80	.28459	1.6240
192	61291-5A	4665.2	4.6651	5485.5	6712.6	6.7101	527.12
193	CCV	4915.3	4.9155	9790.6	4997.7	4.9977	4958.7
194	CCB	2.9286	.00292	2.7812	1.3353	.00133	.90352
195	61291-5S	5970.5	5.9703	5495.7	6793.6	6.7909	512.30
196	61291-5SD	5848.1	5.8479	5295.7	6619.0	6.6163	496.79
197	61291-6	6301.6	6.3012	813.24	2444.2	2.4424	14.846
198	61291-7	2886.9	2.8867	229.81	2120.0	2.1189	12.868
199	61291-8	1865.8	1.8657	211.47	1077.0	1.0764	9.4120
200	61291-9	1867.4	1.8673	154.02	1086.2	1.0856	6.2188
201	61291-10	2950.9	2.9507	233.44	1469.3	1.4684	6.8501
202	CCV	4863.3	4.8636	9746.8	4947.4	4.9474	4917.3
203	CCB	6.2240	.00622	-6.2686	-2.9451	-.00294	.98494
204	61322-1 180221	H1523e3	1523.2	12644.	28428.	28.156	10602.
205	61322-2	H2079e3	2078.4	15371.	21057.	20.692	12975.
206	61322-3	512200.	512.13	16405.	21903.	21.809	3264.8
207	61322-4	281410.	281.38	8544.9	23344.	23.290	2678.5
208	61283-1	131300.	131.28	2973.9	4154.8	4.1315	2011.9
209	CCV	4896.5	4.8967	9855.1	5033.0	5.0330	5008.3
210	CCB	-3.0681	-.00306	-6.5732	-2.9496	-.00294	.93039
211	CCV	4798.5	4.7987	9743.2	4923.1	4.9231	4879.4
212	CCB	-.82472	-.00082	.54067	-.13937	-.00013	-.10569
213	PBS 180221	51.998	.05199	7.5364	-.10808	-.00011	.63031
214	PBS 180221	50.547	.05054	18.730	-1.5632	-.00157	.62214
215	61056-1 179840	14327.	14.325	2072.3	23292.	23.284	1471.8
216	61056-1L	2895.3	2.8951	382.16	4692.3	4.6906	297.33
217	61056-1A	15248.	15.247	7582.9	28256.	28.247	1979.8
218	61173-1 1/5	6.0183	.00601	22.980	11.690	.01168	.29875
219	PBW 180017	-13.689	-.01368	3.5974	-.12399	-.00012	-.04482
220	LCSW-1	962.99	.96312	5536.3	5315.9	5.3145	504.06
221	RL LCSW-1	64.965	.06496	1066.2	515.72	.51556	10.163
222	CCV	4858.2	4.8585	9882.2	5006.1	5.0061	4942.5
223	CCB	-1.8641	-.00186	3.0427	-1.6352	-.00163	-.06196
224	61322-1 1/10 180221	155750.	155.73	1025.3	2972.4	2.9447	1080.5
225	61322-2 1/10	211030.	211.01	1211.3	2182.0	2.1449	1298.0
226	61322-3 1/10	50645.	50.637	1314.9	2158.4	2.1490	316.43
227	61322-4 1/10	28189.	28.185	703.67	2343.7	2.3382	264.66

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
228	RL ICP	48.895	.04889	995.35	507.76	.50761	9.9105
229	RL ICP	59.877	.05987	991.92	503.55	.50340	9.8268
230	ICSA61	188400.	188.37	-8.7871	523860.	523.63	-1.3278
231	ICSAB61	187530.	187.50	-8.6719	519760.	519.54	488.98
232	CCV	4869.3	4.8696	9861.3	5039.9	5.0399	4969.4
233	CCB	3.5642	.00356	4.7530	-3.0181	-.00301	-.03278

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
1	HIGH STD 00034	993.48	14960.	4952.2	993.22	9924.1	994.19
2	ICV 00190	991.80	9719.5	985.80	973.41	991.44	946.77
3	ICB	.89337	-112.46	-.28480	-.39118	4.1821	-.89897
4	RL ICP 00045	9.1891	931.79	41.208	10.499	25.185	20.032
5	RL ICP 00045	10.297	837.27	41.186	10.683	22.031	17.413
6	ICSA61 00022	.18440	21.479	-.88727	-3.4065	5.0332	3.2014
7	ICSAB61 00038	994.94	-144.53	949.91	46.224	58.827	613.62
8	CCV 00072	501.44	7305.3	2487.1	499.50	4997.6	496.00
9	CCB	1.0721	-149.71	.08808	.68658	3.5563	2.7513
10	PBS 180221	.28719	-41.742	.75422	1.0763	5.2892	-1.7253
11	LCSS-1	506.13	4759.2	501.93	497.88	2002.7	480.59
12	61154-1	3.1103	-440.42	58.655	71.227	2.0683	3.0462
13	61154-1L	.28928	-333.35	10.793	15.947	4.9901	2.6008
14	61154-1A	472.07	4488.8	508.06	519.58	1848.9	446.62
15	61154-1S	484.42	4821.2	527.25	526.07	1956.8	465.52
16	61154-1SD	512.64	5128.7	539.13	557.20	2032.6	493.65
17	CCV	496.30	7200.0	2465.6	495.99	4971.4	492.16
18	CCB	.18321	-112.30	.95220	.83190	1.9186	.75236
19	PBS 180131	-1.7121	-277.26	-.16555	.73941	.09074	-2.5000
20	LCSS-1	532.52	5050.2	527.22	521.57	2093.3	502.03
21	61109-1	1.9367	-44.924	47.785	45.828	2.2751	3.5302
22	61109-2	6.3368	-261.44	49.325	80.928	3.5766	2.6858
23	61109-2L	-.41191	-232.29	9.8435	14.810	2.6960	-.16186
24	61109-2A	487.52	4776.4	526.26	554.11	1945.9	470.55
25	61109-2S	497.65	4674.4	520.18	558.35	1946.2	470.88
26	61109-2SD	526.80	5111.9	565.54	611.15	2082.9	490.84
27	61109-3	5.0236	-150.48	23.418	113.54	5.9025	-1.3693
28	61109-4	7.4689	-131.39	51.468	108.87	3.5299	1.6092
29	CCV	486.44	7135.2	2425.9	488.75	4893.2	482.89
30	CCB	-.95345	-269.77	.15981	-1.0069	1.1007	-.92547
31	60987-4	5.7949	-311.75	203.16	3329.9	9.5161	167.71
32	60987-5	4.9010	-208.52	197.63	2112.5	8.5419	89.460
33	60987-6	4.6402	-149.87	193.29	3192.2	6.1063	189.56
34	60987-6S	491.60	4463.8	668.02	2974.1	1954.7	580.51
35	60987-6SD	511.51	4874.0	726.15	3295.2	2003.9	636.39
36	PBS 179451	-.17203	32.786	2.1785	1.4105	3.1764	1.2177
37	LCSS-1	521.00	4962.6	523.84	520.84	2106.0	507.40
38	60980-1	3.3988	5019.8	130.74	264.71	7.6412	2.5471
39	60980-1L	-.66528	746.95	25.466	56.133	.57182	-5.4402
40	60980-1A	474.96	9900.6	577.60	703.55	1873.4	454.91
41	CCV	493.76	7163.5	2445.6	490.33	4946.0	488.59
42	CCB	-.42324	-186.60	1.4948	.50879	5.5073	1.5445
43	60980-1S	447.49	10006.	598.15	816.41	1989.0	167.02
44	60980-1SD	438.57	10102.	604.11	653.66	1990.2	145.74

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
45	60980-2	1.0083	1890.3	128.27	146.44	5.5431	1.4830
46	60980-3	1.4276	1211.7	127.83	143.24	6.1502	-2.9368
47	60980-4	-.45911	651.16	63.540	64.950	1.6753	-.65272
48	60980-5	.77722	432.84	97.754	103.40	5.7744	2.2012
49	60980-6	.45907	1125.8	120.63	108.87	8.1626	.39419
50	60980-7	8.8904	688.25	190.95	1802.6	9.3535	7.0837
51	60980-8	1.7112	521.67	65.257	76.170	9.2076	.29754
52	60980-9	2.6126	568.91	74.512	736.11	4.7715	5.1676
53	CCV	507.40	7081.3	2492.9	501.13	5039.1	497.18
54	CCB	.50888	-186.49	1.1828	.06588	4.8538	-.33878
55	60980-10	1.6579	890.96	112.10	96.111	7.4771	3.1433
56	60961-1	35.651	370.54	275.81	349.07	10.901	5.3173
57	60961-2	38.511	294.05	242.74	276.73	11.234	6.5847
58	60961-3	247.52	859.24	225.86	475.16	7.3691	8.1867
59	60920-1	1044.1	H173980.	3957.7	H162260.	196.40	1563.5
60	60920-1 1/20	51.533	5446.2	214.10	8748.7	10.578	74.641
61	60920-1 1/100	12.222	904.85	43.719	1753.0	4.2873	14.749
62	61005-1	13.584	34.562	87.746	53.903	6.6800	182.67
63	61005-2	5.1929	-21.359	34.772	73.055	.99655	34.252
64	CCV	508.20	7311.0	2496.6	504.02	5063.9	494.52
65	CCB	.53619	-329.08	.40349	.07121	5.3516	-.58769
66	60870-2	302.33	152.55	3.4560	8375.5	185.59	128.68
67	60869-4	274.01	9183.2	22.846	3227.6	7.6659	118.42
68	60975-1	26.567	865.89	114.97	57.619	12.582	.77041
69	PBW 179540	.18294	-31.657	.22086	.50189	2.7289	3.5592
70	LCSW-1	537.83	4959.3	526.73	528.38	2157.9	504.19
71	60986-1	.04272	38607.	4.7222	.27228	.78176	-.22705
72	60986-1S	537.24	43968.	533.70	526.72	2143.1	512.11
73	60986-1SD	541.26	43851.	535.58	526.49	2148.4	517.69
74	60994-1	2.0232	11105.	1.7901	8.8615	7.2045	-.80474
75	60994-1L	-.80487	1932.3	1.0126	2.9081	4.2238	-2.0187
76	CCV	515.60	7289.9	2520.1	510.02	5121.2	493.47
77	CCB	.80543	-226.68	1.7554	-.79780	4.5521	1.1208
78	60994-1A	502.25	15823.	481.61	488.81	1986.3	470.98
79	60944-2	66.139	H1140e3	33.756	3.2312	15.051	.01208
80	61012-1	-1.0816	27264.	1.4448	7.7990	6.9425	-.92182
81	61012-2	-1.2508	5863.6	.82148	2.6291	2.4406	-.79342
82	61012-9	.04506	9548.4	3.6260	74.715	4.5684	1.8292
83	60994-1	1.4583	11127.	.40457	-.92037	7.4852	-1.0177
84	60994-2	68.378	H1181e3	35.979	2.4858	8.5200	-1.9208
85	CCV	512.88	7393.3	2509.7	507.60	5084.3	493.25
86	CCB	-.62533	-54.342	-.06609	2.0379	3.6916	-.54864
87	PBW 179845	-1.9271	-239.97	-.03908	.27494	3.2911	1.3488
88	LCSW-1	542.02	4969.4	527.62	526.82	2154.7	511.89
89	60917-5	14.121	24840.	1.0655	.14857	3.3088	-.62492
90	60917-5S	567.15	30787.	532.43	533.19	2220.5	526.99
91	60917-5SD	562.94	30156.	528.06	526.12	2194.3	525.62
92	61093-1	63.865	11791.	15.999	.45729	2.7587	3.0591
93	61093-1L	12.425	1917.1	3.3601	.47928	1.8024	.42617
94	61093-1A	578.78	16598.	489.31	474.34	1978.5	460.52
95	CCV	514.15	7302.3	2516.4	508.72	5121.7	497.44
96	CCB	.00603	-201.97	-.41733	.96136	3.2754	-2.1538
97	PBW 179840	-.88796	-179.25	.11067	1.7664	3.5703	-1.3932
98	LCSW-1	515.72	4702.8	499.76	504.06	2043.5	477.16

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
99	61032-1	59.425	H3484e3	4.1311	.76426	.71149	-5.6409
100	61032-1L	11.361	H620510.	1.6810	.14327	1.8477	-.90457
101	61032-1A	592.64	H3547e3	495.97	496.77	2090.3	481.85
102	61032-1S	593.16	H3367e3	498.51	493.58	2148.5	494.05
103	61032-1SD	625.35	H3545e3	533.06	534.65	2255.5	530.16
104	61031-3	53.032	H122540.	180.91	1.5511	2.3527	-1.3977
105	61052-1	.69269	61314.	19.572	4.9892	7.1161	-1.4316
106	61052-1S	522.38	67566.	532.44	512.73	2055.7	492.19
107	CCV	500.39	7399.4	2462.4	500.47	5006.4	486.45
108	CCB	.40109	-147.41	1.0184	-.38027	5.5219	-.53391
109	61052-1SD	508.72	64769.	515.08	504.23	2018.3	481.16
110	61052-2	5.0119	H697560.	13.376	.76108	4.7753	1.1143
111	61056-1	2.0844	33917.	15.660	7.1788	-.41820	.43924
112	61067-1	1.5739	H7196e3	30.681	1.4651	-.37887	3.0942
113	61093-1	61.416	11763.	19.461	.64030	.09070	3.8377
114	61096-1	.37382	H687860.	21.286	.24055	4.2156	-2.2556
115	61065-1	.83944	6636.4	.57488	-1.1201	2.1811	-.51797
116	61123-1	49.611	H2068e3	158.13	4.5335	2.3185	-.60342
117	61124-1	391.52	H1196e3	56.546	405.41	-3.2785	17.419
118	61124-2	243.83	H1194e3	32.185	65.669	-4.0825	15.095
119	CCV	505.42	7633.0	2495.3	507.78	5069.8	491.77
120	CCB	-.73077	-137.72	1.0054	1.1803	7.9403	4.2137
121	61124-4	137.61	H313870.	15.197	33.353	-.14162	8.3925
122	61173-1	-.18021	2047.4	-.85040	2.3237	2.7884	-1.2513
123	61181-1	-.00006	6021.6	3.1849	1.1393	3.6913	1.3559
124	61181-2	-2.5365	3439.2	1.0901	1.7186	2.6168	-1.9865
125	PBW 179841	-.35863	-131.38	-.90596	1.7643	-1.3189	-1.6222
126	LCSW-1	518.34	4815.5	511.67	517.56	2087.9	491.46
127	61090-1	28.603	61918.	2.9111	-.32596	5.1466	-.05761
128	61093-1	59.476	11677.	20.169	-.41996	3.3212	4.4314
129	61130-1	-1.2117	50572.	-.14319	.68035	-.16330	-2.7589
130	61130-1L	-2.1848	8620.8	-.70949	-.83919	1.7492	-2.8277
131	CCV	498.93	7283.7	2474.8	503.22	5009.1	490.29
132	CCB	.73874	-346.02	.20154	-1.2025	.81260	2.9024
133	61130-1A	505.98	54775.	516.71	515.85	2085.5	489.23
134	61130-1S	522.59	55138.	519.95	519.34	2102.4	500.84
135	61130-1SD	514.79	55905.	515.82	511.39	2081.5	499.05
136	61130-2	-.90461	17350.	.04876	2.5015	5.7078	-1.4965
137	61130-3	-.76403	13590.	1.0749	.61714	2.4296	.33501
138	61150-1	5.8269	44577.	2.1123	1.8152	5.1649	3.2422
139	61150-7	12.269	65125.	1.5221	.29008	3.6226	-5.4661
140	PBW 180019	.36451	-238.99	1.2626	1.3819	2.0403	-2.1875
141	LCSW-1	517.05	5044.0	509.56	513.91	2117.9	444.49
142	RL LCSW-1	9.9531	819.57	42.030	11.330	26.985	19.199
143	CCV	503.46	7292.6	2495.5	506.20	5042.8	491.36
144	CCB	.56045	-144.01	.49854	.71513	3.4708	-.08179
145	61177-1	.69871	16366.	.61440	1.7270	-.01344	-.20207
146	61177-1L	-.54379	3277.9	1.2899	1.2146	5.7628	-2.1387
147	61177-1A	469.07	21130.	495.23	511.62	2104.1	451.66
148	61177-1S	495.43	21312.	484.72	487.18	2011.3	439.36
149	61177-1SD	518.82	21583.	503.23	508.70	2084.0	456.04
150	61061-1	49.137	21333.	.76996	2.2447	15.556	2.2428
151	61061-2	1.2678	H238170.	.10836	.73962	9.3984	-2.2175
152	61061-3	9.0186	H176370.	.23539	.41005	8.3338	-3.4690

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
153	61121-1	26.369	20399.	.43508	-.95080	10.060	-6.4745
154	61121-3	12.933	H104090.	.80813	.96628	15.144	-.74288
155	CCV	498.54	7225.7	2485.8	505.71	5020.2	493.72
156	CCB	.52382	-230.44	1.3269	.84614	4.2874	-2.1960
157	61122-1	1.6412	28321.	.86072	.54880	1.9884	-2.7435
158	21993-1	.69963	19141.	1.2401	2.1776	5.2006	-3.6539
159	21993-2	1.1862	19401.	1.2508	-.17712	5.2898	-.78117
160	61061-1 1/20	1.4521	820.32	.36678	-1.5302	3.5454	-5.8064
161	61061-2 1/20	1.2381	10205.	-.50164	-.81017	4.2324	.53311
162	61061-3 1/20	-1.2527	7496.2	-.66756	1.4596	5.2354	-.21161
163	61121-1 1/20	.81834	831.23	-.69110	-.45353	-.82130	-1.5705
164	61121-3 1/20	1.3045	4815.3	.79939	-1.3262	2.2579	-2.6281
165	61122-1 1/20	-.10771	1052.1	-.24423	.10306	4.6180	2.8345
166	CCV	497.54	7344.7	2490.2	504.23	5013.8	497.42
167	CCB	.37773	-245.63	-.29981	.74648	4.3061	-1.2287
168	PBW 180017	-.69429	-285.15	1.5734	.28514	7.3022	2.4387
169	LCSW-1	519.51	4943.4	504.30	508.37	2054.1	483.77
170	RL LCSW-1	10.227	821.26	41.791	10.454	22.714	19.540
171	29873-9 1/10	1.1421	1343.1	10.566	.63441	4.3169	-1.5168
172	29873-15 1/10	-.22279	1242.4	2.9215	2.5640	3.8884	-.83389
173	29873-16 1/10	.56587	-16.108	.11473	.72103	3.7524	-2.1295
174	61112-1	-.03599	H159360.	-.19947	-1.0454	2.7307	-1.5749
175	61112-1L	-2.2227	28543.	.10080	1.4536	5.9610	-1.6884
176	61112-1A	494.05	H162100.	489.08	490.39	1984.9	465.45
177	61112-1S	532.76	H163440.	525.54	521.22	2120.4	506.96
178	CCV	500.31	7442.6	2493.7	507.49	5027.7	495.49
179	CCB	1.4562	-57.332	.88009	.39799	5.7645	-2.6443
180	61112-1SD	519.41	H162180.	510.53	507.62	2066.0	493.12
181	CCV	501.62	7298.5	2496.7	507.84	5037.6	495.77
182	CCB	1.0849	13.951	1.0316	1.1955	1.9170	-4.2961
183	PBW 180163	.70796	-104.93	.40865	.85063	3.0461	-2.2569
184	LCSW-1	534.36	5113.6	518.44	522.29	2084.1	493.74
185	LCSD	516.05	4795.2	518.99	522.98	2088.3	500.67
186	61291-1	1.6283	6234.7	17.102	13.152	3.0865	-2.4441
187	61291-2	.70654	5679.4	6.7783	7.7651	2.9379	-2.5893
188	61291-3	70.014	10605.	333.10	858.41	110.36	24.696
189	61291-4	4.6647	7454.3	14.946	8.9629	1.4639	.77031
190	61291-5	1.1460	7270.7	7.8500	13.447	7.3410	1.4139
191	61291-5L	1.2295	1215.0	1.5669	2.4104	1.9379	-.77178
192	61291-5A	502.00	12282.	519.35	523.50	2034.0	487.71
193	CCV	502.96	7409.6	2489.1	505.51	5014.1	493.85
194	CCB	-.40952	-119.20	.88924	-.14628	5.0147	-.40941
195	61291-5S	500.94	11841.	502.20	506.29	1961.8	457.87
196	61291-5SD	489.44	11319.	489.24	493.86	1915.7	448.52
197	61291-6	3.1270	6057.1	11.350	38.318	3.5485	1.4918
198	61291-7	.75308	1706.5	8.0895	7.1488	.01148	-2.9509
199	61291-8	-.59309	3084.8	9.8471	5.7820	.29160	-1.6489
200	61291-9	-1.8241	2703.0	9.1970	3.7246	2.3066	.77333
201	61291-10	.45708	2892.6	9.7870	7.0523	5.3242	1.2443
202	CCV	496.61	7326.6	2469.2	500.00	4965.2	486.55
203	CCB	1.6291	-229.19	1.8622	.10345	4.2810	-1.9639
204	61322-1 180221	56.179	75253.	600.41	H33910.	10.881	132.10
205	61322-2	72.034	H213020.	463.03	H24972.	16.299	117.44
206	61322-3	33.695	H158330.	209.37	H43999.	7.4745	38577.

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
207	61322-4	18.192	H103280.	217.70	H22220.	5.7151	H77965.
208	61283-1	13.096	-274.65	54.796	93.618	8.6236	122.44
209	CCV	501.44	7250.2	2504.4	509.66	5035.5	528.51
210	CCB	-.45312	-254.09	1.1400	1.0394	2.5989	15.987
211	CCV	489.29	7369.7	2447.7	497.94	4913.8	490.51
212	CCB	-1.4768	-154.29	.22511	-.91700	4.5272	1.2536
213	PBS 180221	1.3846	-1.8006	.40394	-.59956	3.6244	.18374
214	PBS 180221	-.00043	-187.93	-.20092	.46038	-.31164	-2.7239
215	61056-1 179840	.65978	33758.	13.987	6.4655	5.4181	-1.1274
216	61056-1L	-.03803	6641.4	3.2432	2.4200	5.9916	-2.3816
217	61056-1A	495.95	38926.	516.34	516.09	2058.3	500.08
218	61173-1 1/5	2.7068	203.06	.43229	2.2429	4.2237	1.9791
219	PBW 180017	1.0877	-24.572	-.16030	.94624	4.0422	1.6768
220	LCSW-1	521.22	4857.8	506.52	506.93	2053.2	483.46
221	RL LCSW-1	11.114	750.86	41.629	10.292	24.014	21.117
222	CCV	500.25	7511.6	2484.5	502.86	4974.1	492.77
223	CCB	.82313	-86.887	.59198	-1.3674	3.4654	-1.7190
224	61322-1 1/10 180221	4.8707	6723.8	61.422	3619.8	1.5621	10.603
225	61322-2 1/10	6.9256	15279.	47.702	2601.8	6.7065	11.274
226	61322-3 1/10	2.4640	12990.	20.327	4357.9	4.0433	3495.1
227	61322-4 1/10	1.3215	7352.7	22.105	2193.8	4.4726	7470.0
228	RL ICP	9.4040	888.23	41.537	9.1449	25.137	26.189
229	RL ICP	10.455	999.68	40.615	8.9654	25.374	19.494
230	ICSA61	-1.2836	-163.17	.02813	-3.7133	9.3982	-1.7282
231	ICSAB61	987.81	-93.830	942.25	45.856	56.989	606.79
232	CCV	500.83	7345.7	2496.1	507.61	4976.9	491.97
233	CCB	1.2294	-325.86	-.26512	.20628	3.0364	-1.9882

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
1	HIGH STD 00034	9916.3	4969.0	992.74	9927.7	9959.5	4960.3
2	ICV 00190	985.19	1005.7	959.62	972.29	966.09	993.03
3	ICB	.06030	-.02664	.18551	2.3437	.34795	-.16416
4	RL ICP 00045	52.733	10.248	10.165	29.364	10.698	21.462
5	RL ICP 00045	49.824	10.371	9.9870	30.930	10.085	21.995
6	ICSA61 00022	-.54314	2.4022	1.8018	-2.4967	-9.9287	3.7583
7	ICSAB61 00038	980.26	2.3952	1.9025	106.48	495.58	984.76
8	CCV 00072	4984.8	2536.0	497.60	5009.0	4968.5	2506.0
9	CCB	-.80273	-.03667	.08193	1.7899	.76923	-.57182
10	PBS 180221	11.703	.05401	.32478	.23775	.51487	1.8904
11	LCSS-1	1011.7	517.13	696.08	2063.0	492.69	511.23
12	61154-1	18.075	132.77	4555.5	3.0595	232.41	419.69
13	61154-1L	3.1520	26.128	912.46	.24601	45.202	86.933
14	61154-1A	986.19	631.46	5341.3	1882.6	666.75	867.65
15	61154-1S	983.38	620.85	3691.5	1997.7	578.14	1310.3
16	61154-1SD	1033.5	678.87	3699.3	2095.8	595.83	990.03
17	CCV	4926.5	2515.4	495.52	4972.2	4914.9	2478.3
18	CCB	-.73086	.31738	.37373	2.5465	1.3164	.16245
19	PBS 180131	12.377	-.00743	.15836	4.3838	.30073	1.7172
20	LCSS-1	1064.3	551.92	740.91	2172.3	518.18	533.59
21	61109-1	19.132	113.77	3701.0	6.1048	106.16	286.90
22	61109-2	17.337	290.74	3598.2	5.5597	118.03	1090.1
23	61109-2L	2.9157	59.443	733.49	4.2129	24.717	226.37

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
24	61109-2A	1004.1	803.19	4537.2	1995.6	593.75	1558.4
25	61109-2S	991.37	933.32	3877.1	2017.5	566.53	1431.6
26	61109-2SD	1061.1	944.29	4277.1	2140.6	629.84	1843.2
27	61109-3	17.746	122.47	2786.5	4.3304	72.043	213.09
28	61109-4	15.621	109.20	3073.8	3.7337	82.985	301.74
29	CCV	4826.5	2480.3	485.65	4891.8	4814.5	2431.3
30	CCB	-1.1028	.33492	.27964	3.5302	1.5171	1.1440
31	60987-4	147.92	155.68	7436.8	10.102	262.40	1284.7
32	60987-5	86.960	144.90	7332.8	4.4612	261.55	937.50
33	60987-6	119.21	140.69	7417.4	12.493	249.46	1039.1
34	60987-6S	1094.2	666.14	8182.9	1979.6	727.96	1420.1
35	60987-6SD	1170.5	689.07	7909.4	2050.0	747.46	2128.9
36	PBS 179451	10.670	-.01975	1.3211	.49961	-.02108	2.7686
37	LCSS-1	1036.2	535.26	716.14	2175.7	513.77	533.89
38	60980-1	17.321	521.44	1760.7	13.046	336.38	573.47
39	60980-1L	-1.6511	103.41	347.73	3.7253	64.992	114.73
40	60980-1A	985.77	1021.0	2677.5	1904.5	781.03	1021.4
41	CCV	4878.6	2506.6	487.34	4960.6	4837.6	2448.6
42	CCB	.24355	.52967	.39407	3.0414	1.7267	.41251
43	60980-1S	964.84	1075.3	2129.2	2044.8	780.00	1063.0
44	60980-1SD	967.16	1079.5	1939.2	2056.0	792.63	1055.7
45	60980-2	17.077	921.41	718.60	13.936	333.94	509.53
46	60980-3	18.073	746.25	1452.9	1.6604	324.88	500.93
47	60980-4	14.096	1140.9	800.84	4.3588	206.46	234.11
48	60980-5	17.445	834.39	721.96	7.8391	284.22	387.24
49	60980-6	21.226	869.30	1335.1	8.7875	288.07	501.30
50	60980-7	2446.4	1854.1	505.36	8.2596	181.48	2332.3
51	60980-8	28.884	1072.0	608.11	5.5063	201.97	217.85
52	60980-9	102.58	1616.7	669.25	2.3777	232.77	1449.3
53	CCV	4977.2	2564.1	494.64	5075.3	4902.8	2494.2
54	CCB	-.92130	.21032	.05762	2.3253	.59719	.05486
55	60980-10	20.055	1487.2	1231.8	6.4242	341.11	405.86
56	60961-1	29.940	263.39	1329.4	5.0170	273.63	1155.4
57	60961-2	23.454	322.17	1371.5	8.1882	273.16	953.98
58	60961-3	31.501	323.10	1804.2	1.2848	195.57	1496.4
59	60920-1	5581.6	471.08	2913.2	-19.630	5787.0	H423930.
60	60920-1 1/20	295.48	23.118	146.83	5.2487	285.32	H75421.
61	60920-1 1/100	58.123	4.5587	29.632	3.4015	56.700	16262.
62	61005-1	348.44	195.31	917.52	5.8984	231.18	352.49
63	61005-2	69.871	80.960	604.34	4.5943	236.51	112.01
64	CCV	4991.4	2569.7	492.37	5111.3	4877.2	2446.3
65	CCB	-.76923	.27765	.36416	3.8022	.12461	2.7176
66	60870-2	52.072	14.631	38.643	.38735	-1.2086	210.94
67	60869-4	163.04	297.89	2910.5	3.2736	795.48	14736.
68	60975-1	19.835	1226.1	1162.4	4.1708	420.86	1540.4
69	PBW 179540	-.15462	-.01033	.35534	4.0701	.09736	2.5915
70	LCSW-1	1054.0	554.04	725.88	2210.7	507.35	524.42
71	60986-1	-2.1886	134.00	3.0417	3.2532	3.6287	57.967
72	60986-1S	1055.3	684.60	727.68	2198.8	509.77	584.57
73	60986-1SD	1063.3	686.60	729.28	2219.4	511.25	587.38
74	60994-1	-1.7932	225.48	55.938	.52419	3.4096	117.28
75	60994-1L	-.78197	44.179	20.597	-.40607	1.6271	36.940
76	CCV	5036.6	2603.2	496.69	5166.5	4903.4	2483.9
77	CCB	-1.3604	.19132	-.00130	9.1913	.50831	15.443

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
78	60994-1A	1013.3	742.76	1032.8	2024.9	472.75	594.01
79	60944-2	80.122	3407.6	.95066	5.3841	61.998	11.325
80	61012-1	2.1605	704.60	30.276	4.2509	12.869	6.0595
81	61012-2	1.9009	135.05	5.1604	4.6282	3.9276	4.2290
82	61012-9	1.0166	3053.0	136.71	2.7650	80.706	13.271
83	60994-1	-1.8237	221.69	.44086	7.3232	.11213	18.356
84	60994-2	89.058	3298.6	.85610	2.5120	66.834	10.569
85	CCV	5015.4	2582.7	493.95	5134.7	4873.8	2495.6
86	CCB	-.54034	.35391	.36451	3.9678	.69067	.83236
87	PBW 179845	-.64034	.14671	.37501	2.6100	.24726	.29282
88	LCSW-1	1050.3	552.11	722.45	2223.9	505.42	529.63
89	60917-5	-1.6555	408.18	.54245	1.3167	-.78713	3.6453
90	60917-5S	1079.1	964.74	737.96	2261.2	517.66	537.19
91	60917-5SD	1068.9	953.57	730.38	2242.2	513.69	532.02
92	61093-1	-.77580	76.038	.24764	2.9223	-.23662	.96038
93	61093-1L	-1.8013	15.206	.16561	3.2821	.10069	.33538
94	61093-1A	1050.3	613.91	1006.8	2022.2	464.31	477.42
95	CCV	5038.0	2588.1	495.14	5159.6	4880.8	2499.2
96	CCB	.56603	.30981	.20478	2.4633	.27673	3.3678
97	PBW 179840	.85368	-.03312	.02581	4.3316	.72093	1.0679
98	LCSW-1	1007.0	522.72	688.15	2130.2	481.90	503.50
99	61032-1	84.371	18.752	.31352	-2.9947	.39003	15.330
100	61032-1L	16.249	3.7381	.21434	2.1557	.40479	3.6046
101	61032-1A	1178.3	534.68	990.68	2126.7	475.65	535.62
102	61032-1S	1137.4	511.87	675.27	2204.9	479.98	537.42
103	61032-1SD	1206.3	546.86	720.61	2291.9	511.41	571.14
104	61031-3	-.05575	137.35	2.2481	2.9960	1.9562	62.959
105	61052-1	-3.1247	81.681	287.26	1.8894	27.633	74.922
106	61052-1S	1043.5	612.39	990.27	2145.0	520.11	587.42
107	CCV	4932.4	2506.6	484.59	5025.0	4807.3	2460.7
108	CCB	1.9571	.23293	.12794	5.7896	.85812	.36252
109	61052-1SD	1014.4	595.81	959.97	2111.5	509.88	570.55
110	61052-2	-.69684	169.43	.91902	5.0545	2.9444	35.341
111	61056-1	1.2986	219.43	149.93	1.4154	21.498	39.605
112	61067-1	18.537	99.399	1.7671	-8.7980	.21859	50.329
113	61093-1	-2.7306	73.457	.36823	.42031	-.04660	17.668
114	61096-1	-.45557	160.77	.07844	4.5006	.02399	8.9711
115	61065-1	-.25825	250.83	.00681	1.0844	.26030	56.735
116	61123-1	16.287	139.72	16.786	4.2218	25.374	75.198
117	61124-1	62.374	435.52	76.919	-3.2297	13.149	2907.9
118	61124-2	17.492	18.404	.71543	-2.5262	4.9003	781.85
119	CCV	5000.3	2528.4	490.91	5086.0	4899.3	2502.5
120	CCB	1.2140	.22430	.18619	5.5409	.41193	.43103
121	61124-4	5.9343	120.95	.51192	1.1606	2.2187	237.85
122	61173-1	.81099	3.4349	.11185	-5.7210	.46227	H61120.
123	61181-1	-1.0320	214.67	.05446	-1.2743	.69588	22.167
124	61181-2	.49823	16.765	.23293	.62914	.66656	23.166
125	PBW 179841	-1.5018	-.01563	.16716	-.42953	-.30854	1.2320
126	LCSW-1	1031.1	526.56	702.96	2153.9	498.19	516.70
127	61090-1	-4.3368	602.06	.23733	8.0724	-1.8775	7.7981
128	61093-1	-.31433	72.927	.39113	1.2447	-.02713	4.9895
129	61130-1	-4.3747	29.481	.27406	.62643	-.79532	22.174
130	61130-1L	-1.6313	5.1425	.05058	.14214	-.93605	4.8687
131	CCV	4969.2	2498.3	487.07	5025.0	4868.7	2470.9

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
132	CCB	1.6852	.19820	.32587	2.9671	.43720	.49015
133	61130-1A	1056.6	559.46	1004.8	2132.9	500.46	551.73
134	61130-1S	1045.9	559.31	711.05	2171.0	504.61	555.53
135	61130-1SD	1039.6	551.37	701.17	2150.6	499.33	549.76
136	61130-2	.99317	77.799	1.4812	3.7782	.00338	1.2087
137	61130-3	-.69556	39.281	.86600	6.5615	.81098	8.6641
138	61150-1	1.6506	71.217	.54308	2.5873	1.8775	46.369
139	61150-7	-3.9457	91.780	.22291	-4.0525	2.1703	36.102
140	PBW 180019	-2.5610	-.01949	-.05125	2.6764	-.48166	-.05239
141	LCSW-1	985.24	535.64	706.09	2122.5	497.91	521.80
142	RL LCSW-1	38.182	10.662	10.076	26.960	9.7426	22.544
143	CCV	5023.7	2507.1	492.34	5068.1	4922.4	2502.4
144	CCB	.94266	.40663	.59774	7.0121	.82968	.38102
145	61177-1	-2.9560	332.91	-.01299	1.2515	.17645	249.72
146	61177-1L	1.2098	68.064	.18882	5.1607	.49669	51.251
147	61177-1A	933.54	814.51	930.08	2071.9	485.60	752.36
148	61177-1S	959.09	826.50	676.43	2011.8	475.65	740.39
149	61177-1SD	1016.4	855.66	709.60	2100.3	494.54	764.76
150	61061-1	1.9523	4455.0	.62660	7.4999	.69310	.71311
151	61061-2	-1.9297	H12688.	.51728	2.3102	-.38644	.49441
152	61061-3	-2.5418	H12860.	.28305	.12495	-1.0289	.47115
153	61121-1	-.52734	3816.8	.32238	2.9126	.87417	1.1696
154	61121-3	-3.3155	H14961.	.21583	5.1725	-.62668	-.41673
155	CCV	5014.1	2479.2	490.64	5045.1	4918.6	2493.9
156	CCB	.91357	.48703	.44472	5.6398	1.4534	.26908
157	61122-1	-1.8553	72.995	.23919	7.6944	1.7795	18.624
158	21993-1	-.24431	86.659	.29099	2.8005	.43679	23.383
159	21993-2	3.2186	90.540	.21835	3.6019	.74161	.43440
160	61061-1 1/20	-1.6594	229.58	.06221	.33846	-.38740	.58016
161	61061-2 1/20	-.46292	681.76	-.00726	4.1842	.21689	-.24523
162	61061-3 1/20	-1.6156	693.20	.30169	2.4358	-.01967	.15041
163	61121-1 1/20	-1.7070	197.91	.20556	-.69127	-.51557	.49211
164	61121-3 1/20	55.331	808.50	.29967	3.2572	.24573	1.0086
165	61122-1 1/20	-1.1875	3.6628	.07928	1.3981	-.32140	.68634
166	CCV	5017.7	2475.0	489.98	5041.6	4918.4	2502.2
167	CCB	-.10235	.22282	.12492	4.1891	.52026	.21521
168	PBW 180017	-.69409	.01542	-.05058	1.2771	.53358	.59593
169	LCSW-1	1054.6	528.45	710.04	2099.1	491.41	515.37
170	RL LCSW-1	55.550	10.447	10.251	29.460	9.9338	22.546
171	29873-9 1/10	.96303	78.794	.50631	-.79928	.41816	12.367
172	29873-15 1/10	-.43535	68.755	.32357	2.2027	1.6209	10.572
173	29873-16 1/10	1.7703	.43676	.42384	3.2626	-.08308	6.0772
174	61112-1	.66597	1.7984	.24827	.49746	.28810	5.3129
175	61112-1L	-.41881	.35177	-.01319	-2.1437	-.34295	.63576
176	61112-1A	1035.5	510.43	974.67	2010.6	473.08	514.73
177	61112-1S	1094.9	538.89	723.22	2175.5	506.94	551.94
178	CCV	5041.7	2479.0	491.93	5053.5	4936.9	2514.5
179	CCB	-.70627	.23844	.14875	6.8452	.22749	.43922
180	61112-1SD	1065.6	525.16	703.15	2112.1	493.85	536.95
181	CCV	5047.3	2490.8	492.28	5076.0	4944.4	2517.3
182	CCB	.46950	.29108	.22546	9.0278	.64791	.24121
183	PBW 180163	-.66973	-.00790	.10703	2.2735	.36201	.21039
184	LCSW-1	1064.1	536.04	725.09	2145.8	507.36	524.56
185	LCSD	1032.5	518.34	701.58	2159.2	507.63	527.42

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
186	61291-1	-2.6060	80.794	81.610	-.62022	19.393	15.571
187	61291-2	-2.1798	140.00	49.640	1.2761	11.262	3.0782
188	61291-3	25.159	4763.1	1423.5	9.5070	1176.5	110.53
189	61291-4	-.78605	70.987	77.594	-2.7626	12.301	9.8985
190	61291-5	-1.0713	122.36	74.080	2.7547	18.546	4.8935
191	61291-5L	-.97671	24.123	16.334	3.2955	3.7890	1.2698
192	61291-5A	1036.6	646.97	1092.6	2108.6	515.95	522.22
193	CCV	5019.2	2486.9	490.94	5062.0	4918.8	2503.0
194	CCB	-.48664	.41190	.17977	8.1711	1.1458	.24329
195	61291-5S	1010.4	656.06	724.96	2046.8	506.55	504.98
196	61291-5SD	984.40	640.45	708.75	1997.9	493.11	488.64
197	61291-6	-.58181	405.36	157.72	1.6607	43.030	9.4485
198	61291-7	-2.8786	140.14	50.942	.78678	11.137	6.3233
199	61291-8	-2.5801	31.909	44.767	2.6366	5.6475	12.277
200	61291-9	-3.8905	29.344	38.986	-2.6513	6.1086	5.0768
201	61291-10	-1.3391	51.396	71.369	3.0813	9.9430	5.6401
202	CCV	4964.6	2474.0	485.76	5008.6	4868.9	2481.5
203	CCB	2.1420	.49386	.37745	8.3331	1.5307	.45248
204	61322-1 180221	27.144	803.36	797.43	13.551	610.40	H187090.
205	61322-2	42.869	543.52	1554.0	10.256	516.56	H438850.
206	61322-3	94.802	554.01	7906.6	-1.5564	254.59	H305570.
207	61322-4	121.23	1514.7	5768.6	.49781	347.01	H405530.
208	61283-1	16.844	23.141	998.16	7.9543	262.73	249.08
209	CCV	5060.2	2505.6	494.06	5103.8	4938.8	2437.4
210	CCB	2.7966	.42325	.13172	5.1732	.57817	10.420
211	CCV	4925.2	2442.3	481.28	4949.8	4846.8	2410.2
212	CCB	.26412	-.01631	.04282	3.8136	.15310	.14324
213	PBS 180221	13.418	.03330	.09320	3.4142	.58669	2.2283
214	PBS 180221	11.629	-.01298	.03446	.96179	-.00849	3.0987
215	61056-1 179840	-.31495	210.23	146.71	2.6869	21.583	38.570
216	61056-1L	-1.1593	42.110	29.640	2.6638	4.7806	7.8653
217	61056-1A	1033.8	722.29	1128.7	2134.6	532.19	547.34
218	61173-1 1/5	1.2554	.67567	.37339	2.7169	.42831	12516.
219	PBW 180017	-1.2063	-.06696	.14845	-.86575	.34530	.96845
220	LCSW-1	1059.5	531.75	711.49	2111.2	493.86	508.09
221	RL LCSW-1	53.203	10.386	10.271	28.767	9.8582	22.116
222	CCV	5004.4	2473.4	487.65	5026.1	4896.8	2459.0
223	CCB	-1.1553	-.06341	.00334	4.6527	.31681	-.12344
224	61322-1 1/10 180221	3.2184	78.401	82.375	2.8803	57.946	26129.
225	61322-2 1/10	4.9241	51.711	164.68	8.0768	50.293	H116070.
226	61322-3 1/10	8.4220	52.850	757.12	.15668	23.255	H45641.
227	61322-4 1/10	12.044	148.89	585.63	5.5553	33.496	H84850.
228	RL ICP	51.483	10.118	9.9322	27.738	10.179	21.617
229	RL ICP	51.732	10.091	9.6300	26.723	10.457	21.031
230	ICSA61	3.6277	2.3494	1.6888	4.1327	-7.6862	4.9390
231	ICSAB61	980.63	2.3268	1.8401	102.25	485.24	955.44
232	CCV	5045.5	2474.7	488.94	5055.9	4921.6	2464.2
233	CCB	1.9516	-.06693	.08200	1.0389	.36667	-.06780

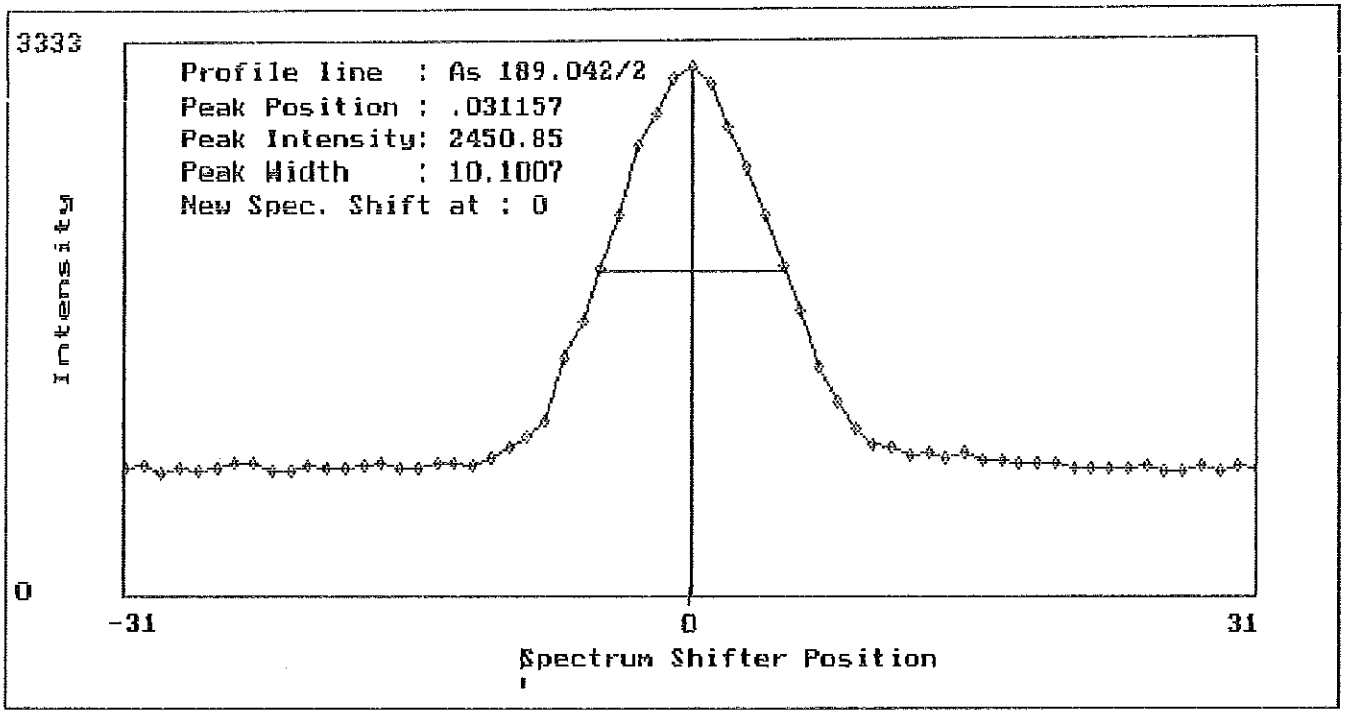
#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
1	HIGH STD 00034	988.34	995.64	9866.2	9953.0	992.278
2	ICV 00190	971.35	974.44	985.14	994.58	1011.39
3	ICB	-1.4096	.11728	2.3480	5.0978	1004.49
4	RL ICP 00045	9.0236	11.235	21.251	27.149	1006.95
5	RL ICP 00045	9.0640	11.492	26.064	20.017	991.309
6	ICSA61 00022	65.409	-37.763	2.6451	6.2254	936.437
7	ICSAB61 00038	112.27	13.249	57.574	59.453	926.89
8	CCV 00072	496.42	501.03	4979.0	5006.9	994.347
9	CCB	3.1663	-.55141	1.3826	4.6415	1007.25
10	PBS 180221	1.3546	.93744	5.7287	5.0698	1023.76
11	LCSS-1	496.39	498.62	1999.7	2004.2	1002.64
12	61154-1	82.481	65.609	-.39099	3.2961	1059.54
13	61154-1L	16.253	15.795	2.7956	6.0857	1012.97
14	61154-1A	530.41	514.17	1840.5	1853.0	1053.59
15	61154-1S	532.72	522.75	1939.7	1965.3	1060.68
16	61154-1SD	561.78	554.92	2018.6	2039.5	1016.43
17	CCV	492.67	497.65	4945.5	4984.3	1024.16
18	CCB	.55171	.97178	.38948	2.6820	1004.94
19	PBS 180131	1.4932	.36307	-1.1457	.70802	1017.28
20	LCSS-1	515.89	524.40	2075.7	2102.1	998.869
21	61109-1	55.300	41.099	-.68109	3.7510	1037.03
22	61109-2	87.447	77.673	4.5391	3.0961	1055.22
23	61109-2L	15.856	14.288	-.53922	4.3112	1022.23
24	61109-2A	558.87	551.74	1934.2	1951.7	1044.06
25	61109-2S	559.62	557.71	1929.9	1954.4	1014.28
26	61109-2SD	617.46	608.00	2059.4	2094.5	1033.37
27	61109-3	116.97	111.82	.88819	8.4059	1046.52
28	61109-4	115.68	105.47	-2.2897	6.4354	1038.03
29	CCV	481.84	492.19	4840.2	4919.7	1030.75
30	CCB	1.6953	-2.3560	-4.8604	4.0768	1003.81
31	60987-4	3322.3	3333.8	7.4620	10.542	1042.88
32	60987-5	2111.1	2113.2	-.39459	13.003	1028.74
33	60987-6	3167.2	3204.7	-4.4736	11.388	1032.38
34	60987-6S	2963.1	2979.6	1926.6	1968.8	1027.54
35	60987-6SD	3288.1	3298.7	1977.9	2016.9	1023.43
36	PBS 179451	3.7252	.25489	-.45771	4.9907	998.118
37	LCSS-1	515.15	523.68	2075.3	2121.3	992.313
38	60980-1	301.64	246.27	.28246	11.315	1042.62
39	60980-1L	53.947	57.224	-2.1649	1.9382	1009.11
40	60980-1A	737.29	686.70	1839.2	1890.5	1039.06
41	CCV	486.15	492.41	4860.3	4988.8	1011.35
42	CCB	2.5769	-.52370	5.7747	5.3739	998.463
43	60980-1S	843.52	802.88	1940.2	2013.4	1032
44	60980-1SD	687.04	636.99	1950.2	2010.2	1043.96
45	60980-2	184.28	127.55	1.3499	7.6365	1034.87
46	60980-3	184.89	122.45	.28082	9.0804	1031.33
47	60980-4	82.056	56.409	-3.2320	4.1253	997.459
48	60980-5	137.30	86.467	1.7408	7.7881	1018.73
49	60980-6	151.65	87.512	7.4703	8.5083	1035.5
50	60980-7	1781.6	1813.1	1.0891	13.480	984.268
51	60980-8	94.585	66.976	7.9269	9.8471	1005.08
52	60980-9	738.27	735.03	-2.8335	8.5683	996.32
53	CCV	490.98	506.20	4927.0	5095.1	1003

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
54	CCB	.80948	-.30535	7.1771	3.6939	999.345
55	60980-10	141.70	73.349	9.5936	6.4204	1016.43
56	60961-1	363.06	342.09	11.291	10.705	1038.56
57	60961-2	294.61	267.80	8.0378	12.830	1031.21
58	60961-3	477.86	473.82	1.2605	10.419	998.502
59	60920-1	158840.	163970.	195.25	196.98	923.097
60	60920-1 1/20	8511.2	8867.3	8.9318	11.401	1002.58
61	60920-1 1/100	1710.9	1774.0	5.9537	3.4553	1023.59
62	61005-1	68.791	46.470	1.4033	9.3143	1004.35
63	61005-2	83.051	68.064	-2.4653	2.7249	1012.29
64	CCV	499.02	506.52	4923.5	5134.1	1012.62
65	CCB	2.4140	-1.0984	2.5527	6.7490	1011.51
66	60870-2	8169.5	8478.3	178.79	188.99	1024.32
67	60869-4	3152.6	3265.0	9.9040	6.5486	1003.32
68	60975-1	90.389	41.259	11.530	13.107	1021.5
69	PBW 179540	1.3077	.09961	.98188	3.6011	1011.78
70	LCSW-1	515.27	534.92	2084.9	2194.4	1008.38
71	60986-1	3.3404	-1.2595	1.2600	.54300	1006.03
72	60986-1S	512.11	534.01	2077.4	2175.8	1003.72
73	60986-1SD	509.89	534.78	2058.9	2193.1	1002.65
74	60994-1	10.016	8.2849	1.3677	10.119	1008.11
75	60994-1L	7.2578	.73658	.94680	5.8598	1010.24
76	CCV	498.31	515.86	4956.7	5203.4	1002.56
77	CCB	.69376	-1.5425	4.1238	4.7660	1029.8
78	60994-1A	477.25	494.58	1921.1	2018.8	1013.09
79	60944-2	5.8987	1.8995	14.972	15.090	999.118
80	61012-1	9.4124	6.9935	5.2691	7.7780	1025.9
81	61012-2	5.5867	1.1525	4.6792	1.3229	1020.87
82	61012-9	78.845	72.653	2.1346	5.7835	1130.48
83	60994-1	1.4052	-2.0814	6.7579	7.8482	1008.37
84	60994-2	6.7318	.36597	11.831	6.8672	972.622
85	CCV	495.56	513.61	4928.2	5162.2	1008.45
86	CCB	-.62258	3.3662	.16549	5.4520	1014.36
87	PBW 179845	.11204	.35627	-1.7802	5.8229	1015
88	LCSW-1	513.29	533.57	2079.8	2192.1	1019.57
89	60917-5	-1.7609	1.1019	-2.1370	6.0275	1011.72
90	60917-5S	519.11	540.22	2145.5	2258.0	1011.52
91	60917-5SD	515.67	531.34	2122.5	2230.2	1012.31
92	61093-1	-1.1506	1.2600	-.74105	4.5060	997.302
93	61093-1L	1.9139	-.23696	2.0400	1.6837	991.008
94	61093-1A	464.17	479.41	1901.2	2017.1	991.204
95	CCV	500.07	513.04	4938.3	5213.3	999.629
96	CCB	3.0392	-.07599	2.9062	3.4597	998.904
97	PBW 179840	3.5773	.86231	5.3288	2.6923	998.398
98	LCSW-1	494.15	509.01	1975.9	2077.2	994.504
99	61032-1	-4.9235	3.6039	-2.5906	2.3601	930.535
100	61032-1L	-2.7387	1.5821	-2.4412	3.9889	987.219
101	61032-1A	488.50	500.90	2030.7	2120.1	926.786
102	61032-1S	484.86	497.93	2084.8	2180.2	931.412
103	61032-1SD	526.77	538.59	2204.1	2281.2	927.92
104	61031-3	3.3691	.64349	-2.3898	4.7204	970.082
105	61052-1	8.9199	3.0268	8.0562	6.6468	984.543
106	61052-1S	513.06	512.57	1997.6	2084.7	985.866
107	CCV	494.01	503.69	4871.3	5073.8	1000.14

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
108	CCB	1.8773	-1.5074	5.7535	5.4062	990.436
109	61052-1SD	504.92	503.88	1970.2	2042.3	989.463
110	61052-2	3.1261	-.41963	3.6136	5.3553	955.014
111	61056-1	9.4687	6.0355	-3.0658	.90361	976.184
112	61067-1	-.60266	2.4974	28.719	-14.906	883.672
113	61093-1	1.2768	.32253	-1.3618	.81588	970.772
114	61096-1	3.4443	-1.3589	4.8772	3.8853	964.111
115	61065-1	4.4353	-3.8936	3.3755	1.5847	982.204
116	61123-1	7.2120	3.1962	1.3447	2.8047	935.489
117	61124-1	403.08	406.57	38.424	-24.099	1034.16
118	61124-2	65.200	65.903	21.270	-16.740	961.051
119	CCV	503.88	509.72	4972.7	5118.3	974.085
120	CCB	-.55183	2.0451	1.1377	11.336	972.234
121	61124-4	34.231	32.915	1.7903	-1.1061	966.887
122	61173-1	.73037	3.1191	-1.9357	5.1469	970.994
123	61181-1	4.2451	-.41129	.57199	5.2486	956.441
124	61181-2	1.6362	1.7597	-1.7589	4.8014	970.475
125	PBW 179841	-.03190	2.6611	-4.8490	.44352	980.558
126	LCSW-1	511.84	520.41	2048.4	2107.7	975.508
127	61090-1	-1.7752	.39754	6.8308	4.3058	972.395
128	61093-1	-2.2203	.47885	-3.7720	6.8624	966.428
129	61130-1	-4.1860	3.1099	-5.9540	2.7277	973.238
130	61130-1L	-2.1192	-.20012	-7.1978	6.2159	978.297
131	CCV	501.79	503.93	4951.4	5038.0	978.249
132	CCB	-.34598	-1.6301	-1.3358	1.8852	969.017
133	61130-1A	512.49	517.53	2056.4	2100.1	970.615
134	61130-1S	517.72	520.15	2075.2	2115.9	971.466
135	61130-1SD	511.80	511.19	2057.1	2093.7	970.331
136	61130-2	.53151	3.4850	3.1024	7.0086	978.515
137	61130-3	.64972	.60088	2.7007	2.2943	976.027
138	61150-1	2.9517	1.2478	3.2136	6.1391	974.862
139	61150-7	-1.2228	1.0454	-.43563	5.6486	971.906
140	PBW 180019	2.4153	.86594	4.6394	.74266	991.859
141	LCSW-1	513.40	514.17	2092.8	2130.4	977.93
142	RL LCSW-1	10.463	11.763	26.503	27.225	972.4
143	CCV	505.49	506.55	4998.3	5065.0	967.083
144	CCB	-2.8642	2.5021	1.1688	4.6201	963.548
145	61177-1	2.1090	1.5363	-.77064	.36458	976.739
146	61177-1L	2.0385	.80322	3.4927	6.8961	975.783
147	61177-1A	494.35	520.24	2033.1	2139.6	971.322
148	61177-1S	488.55	486.50	1996.7	2018.6	974.032
149	61177-1SD	505.35	510.38	2059.8	2096.1	973.089
150	61061-1	3.7604	1.4880	12.584	17.039	968.502
151	61061-2	-.00421	1.1110	11.752	8.2228	960.579
152	61061-3	1.2749	-.02173	8.9315	8.0355	954.35
153	61121-1	-2.3472	-.25365	10.230	9.9748	966.76
154	61121-3	3.0511	-.07456	15.855	14.788	957.925
155	CCV	504.47	506.33	4986.3	5037.1	955.254
156	CCB	.01611	1.2605	1.8671	5.4958	958.807
157	61122-1	2.3095	-.33021	1.7540	2.1055	957.794
158	21993-1	.73631	2.8973	1.0651	7.2652	975.433
159	21993-2	-.29965	-.11595	1.4041	7.2298	966.036
160	61061-1 1/20	-3.2727	-.66031	.49320	5.0692	960.702
161	61061-2 1/20	.41924	-1.4240	3.1731	4.7613	955.564

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
162	61061-3 1/20	.98911	1.6945	1.2291	7.2355	966.93
163	61121-1 1/20	-2.9358	.78571	-1.0832	-.69057	964.818
164	61121-3 1/20	.77939	-2.3774	2.0520	2.3608	959.864
165	61122-1 1/20	.99056	-.34002	1.2390	6.3050	968.777
166	CCV	499.76	506.45	4970.6	5035.3	964.18
167	CCB	3.1451	-.45103	3.4758	4.7206	953.037
168	PBW 180017	1.2389	-.19100	11.296	5.3081	974.342
169	LCSW-1	506.15	509.48	2036.7	2062.7	981.68
170	RL LCSW-1	11.976	9.6939	20.301	23.919	971.134
171	29873-9 1/10	20.686	-9.3763	4.4740	4.2384	938.741
172	29873-15 1/10	13.315	-2.8036	4.5606	3.5528	965.682
173	29873-16 1/10	-.27544	1.2185	-1.6793	6.4641	951.443
174	61112-1	.92287	-2.0280	5.1740	1.5109	954.241
175	61112-1L	.58523	1.8871	5.7838	6.0495	961.972
176	61112-1A	493.97	488.61	1970.3	1992.3	959.139
177	61112-1S	523.47	520.10	2109.3	2126.0	960.544
178	CCV	502.46	509.99	5008.6	5037.3	951.718
179	CCB	2.6008	-.70174	6.0930	5.6006	958.397
180	61112-1SD	508.55	507.16	2048.3	2074.8	960.505
181	CCV	509.23	507.15	5004.1	5054.3	943.813
182	CCB	-1.1544	2.3687	-2.4230	4.0838	957.467
183	PBW 180163	-.56269	1.5562	6.3822	1.3806	962.4
184	LCSW-1	519.62	523.62	2051.4	2100.5	949.859
185	LCSD	522.36	523.29	2062.1	2101.3	963.377
186	61291-1	13.424	13.017	.13047	4.5623	966.865
187	61291-2	9.5630	6.8675	-2.8837	5.8443	966.826
188	61291-3	1120.2	727.70	98.287	116.39	960.54
189	61291-4	11.821	7.5362	-.57432	2.4815	972.919
190	61291-5	16.688	11.829	.62494	10.694	968.384
191	61291-5L	3.1871	2.0226	-1.3647	3.5867	960.047
192	61291-5A	529.80	520.35	2012.2	2044.8	959.815
193	CCV	504.89	505.81	4968.5	5036.9	961.78
194	CCB	2.9254	-1.6798	6.6205	4.2130	953.028
195	61291-5S	510.67	504.10	1945.6	1969.9	965.058
196	61291-5SD	497.72	491.92	1882.9	1932.1	968.917
197	61291-6	45.708	34.628	3.2117	3.7166	960.23
198	61291-7	9.0880	6.1807	-4.9900	2.5085	951.753
199	61291-8	5.1331	6.1060	-1.3552	1.1138	959.335
200	61291-9	4.4094	3.3827	-3.6109	5.2610	957.375
201	61291-10	11.162	5.0007	3.8750	6.0478	950.719
202	CCV	499.41	500.29	4922.0	4986.7	958.432
203	CCB	.17721	.06663	-1.8443	7.3390	943.233
204	61322-1 180221	33723.	34003.	-7.2128	19.915	927.65
205	61322-2	24931.	24993.	-.10984	24.491	900.949
206	61322-3	43853.	44072.	-1.5373	11.974	932.32
207	61322-4	22130.	22265.	-2.4022	9.7677	916.471
208	61283-1	111.38	84.750	3.5093	11.177	948.659
209	CCV	505.33	511.82	4977.5	5064.5	939.387
210	CCB	3.9738	-.42558	4.1544	1.8223	942.089
211	CCV	498.79	497.51	4896.6	4922.3	925.581
212	CCB	-3.1863	.21595	1.1092	6.2337	918.767
213	PBS 180221	.39615	-1.0967	1.6030	4.6336	929.37
214	PBS 180221	4.8206	-1.7165	.00834	-.47139	924.433
215	61056-1 179840	6.5386	6.4290	2.0764	7.0864	918.396

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
216	61056-1L	2.2838	2.4880	3.1947	7.3879	924.481
217	61056-1A	523.88	512.20	2060.2	2057.3	911.403
218	61173-1 1/5	1.6888	2.5195	3.7553	4.4576	909.072
219	PBW 180017	2.3069	.26694	6.2264	2.9517	924.232
220	LCSW-1	508.24	506.28	2033.6	2063.0	925.044
221	RL LCSW-1	8.7922	11.041	25.357	23.344	934.769
222	CCV	500.58	503.99	4933.4	4994.4	907.505
223	CCB	-2.6029	-.75053	-1.4321	5.9105	909.164
224	61322-1 1/10 180221	3447.6	3705.8	3.1739	.75742	900.875
225	61322-2 1/10	2574.9	2615.3	3.4419	8.3364	917.65
226	61322-3 1/10	4270.5	4401.5	-4.0061	8.0619	912.508
227	61322-4 1/10	2167.5	2207.0	1.4750	5.9692	913.966
228	RL ICP	9.4528	8.9912	25.088	25.161	914.873
229	RL ICP	9.6043	8.6464	25.286	25.418	911.805
230	ICSA61	79.274	-45.145	7.6843	10.254	865.798
231	ICSAB61	127.85	4.9192	49.695	60.631	857.334
232	CCV	508.89	506.97	4967.2	4981.8	907.588
233	CCB	1.0529	-.21640	2.5882	3.2602	929.64


3333
Profile line : As 189.042/2
Peak Position : .031157
Peak Intensity: 2450.85
Peak Width : 10.1007
New Spec. Shift at : 0
Intensity
0
-31
0
31
Spectrum Shifter Position

D 091810

Method: 2PTTR2 Standard Name: CALBLK Operator: BR
Run Time: 09/18/10 09:02:21
Comment:
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	.0025095	.8624295	.8624295	.0819340	.0334839	-.001966	-.085352
SDev	.0063383	.0021263	.0021263	.0975100	.0529320	.004193	.000766
%RSD	252.5707	.2465438	.2465438	119.0105	158.0820	213.2647	.8974980
#1	-.001972	.8609260	.8609260	.1508839	-.003945	-.004931	-.084811
#2	.0069914	.8639330	.8639330	.0129840	.0709124	.0009988	-.085894
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	.0808830	-.007933	.0113536	.0094442	.2467133	.0030089	.0030089
SDev	.0000242	.001332	.0132314	.0035935	.0211616	.0070445	.0070445
%RSD	.0298842	16.79349	116.5398	38.05010	8.577390	234.1234	234.1234
#1	.0808659	-.008876	.0207096	.0069032	.2317499	-.001972	-.001972
#2	.0809001	-.006991	.0019975	.0119852	.2616768	.0079901	.0079901
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	.2353598	-.000493	-.000493	.0104367	-.001087	.0184079	-.075029
SDev	.0343930	.000697	.000697	.0036024	.021062	.0106915	.022428
%RSD	14.61293	141.4214	141.4214	34.51709	1937.755	58.08105	29.89208
#1	.2110403	-.000986	-.000986	.0078894	.0138064	.0108479	-.059170
#2	.2596793	.0000000	.0000000	.0129840	-.015980	.0259679	-.090888
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	.0363686	-.006416	.0089826	-.023263	-.124300	-.001979	.0050001
SDev	.0782699	.007662	.0113087	.013125	.055726	.001386	.0084659
%RSD	215.2128	119.4079	125.8952	56.41758	44.83228	70.03541	169.3137
#1	.0917138	-.011834	.0009862	-.032544	-.163704	-.002959	-.000986
#2	-.018977	-.000999	.0169790	-.013983	-.084895	-.000999	.0109864
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	.0119996	.0068843	-.139059	-.099409
SDev	.0904184	.0139733	.026511	.147559

%RSD	753.5117	202.9732	19.06469	148.4361
#1	.0759351	.0167649	-.120313	.0049308
#2	-.051936	-.002996	-.157805	-.203748
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1008	--	--	--	--	--	--
SDev	9.043491	--	--	--	--	--	--
%RSD	.8975015	--	--	--	--	--	--
#1	1014	--	--	--	--	--	--
#2	1001	--	--	--	--	--	--

Method: 2PTTR2 Standard Name: HIGH STD Operator: BR
Run Time: 09/18/10 09:06:48
Comment: 00034
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	21.15487	52.08840	52.08386	46.44368	234.2473	769.3895	145.8690
SDev	.01059	.05991	.06062	.05569	.4459	.1049	.2106
%RSD	.0500593	.1150197	.1163918	.1199097	.1903734	.0136309	.1443997
#1	21.16235	52.04604	52.04099	46.48306	233.9320	769.4637	146.0179
#2	21.14738	52.13077	52.12672	46.40430	234.5627	769.3154	145.7200
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	19.42540	84.38072	39.88981	268.2047	283.4410	9.586130	9.585625
SDev	.00557	.45829	.43660	.2386	.1950	.004128	.003414
%RSD	.0286675	.5431256	1.094504	.0889704	.0688089	.0430661	.0356182
#1	19.42146	84.05666	39.58109	268.0360	283.3031	9.589049	9.588039
#2	19.42934	84.70479	40.19852	268.3734	283.5789	9.583211	9.583211
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	50.98489	3.683789	3.683789	884.2251	14.00505	.9897902	289.4174
SDev	.04550	.004345	.004345	1.0122	.02693	.0059773	.6911
%RSD	.0892363	.1179539	.1179539	.1144772	.1922552	.6038922	.2387884
#1	51.01706	3.680717	3.680717	883.5093	14.02409	.9855636	288.9287
#2	50.95271	3.686862	3.686862	884.9409	13.98601	.9940168	289.9060
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	20.86943	244.9269	751.4970	47.56540	180.9724	199.5698	91.18169
SDev	.05415	.4643	4.3146	.06546	.0390	.1860	.00555
%RSD	.2594782	.1895747	.5741379	.1376163	.0215646	.0931906	.0060881

#1	20.83114	244.5985	754.5479	47.51911	180.9448	199.4383	91.17776
#2	20.90772	245.2552	748.4461	47.61168	181.0000	199.7013	91.18562
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	62.96435	65.92622	223.3022	196.0169
SDev	.11944	.06212	.7145	.3197
%RSD	.1896873	.0942282	.3199882	.1630794
#1	63.04881	65.88230	222.7970	195.7909
#2	62.87990	65.97015	223.8075	196.2430
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	990	--	--	--	--	--	--
SDev	.9753361	--	--	--	--	--	--
%RSD	.0985580	--	--	--	--	--	--
#1	990	--	--	--	--	--	--
#2	989	--	--	--	--	--	--

Method: 2PTTR2
Mode: Concentration
Standards Table: 2PTONLY
Data File: DD091810

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
Ag	328.068	09/18/10 09:11	Linear	1.000000
Al	308.215	09/18/10 09:11	Linear	1.000000
2Al	308.215	09/18/10 09:11	Linear	1.000000
As	189.042/2	09/18/10 09:11	Linear	1.000000
B	249.678/2	09/18/10 09:11	Linear	1.000000
Ba	493.409	09/18/10 09:11	Linear	1.000000
Be	313.042	09/18/10 09:11	Linear	1.000000
Ca	317.933	09/18/10 09:11	Linear	1.000000
Cd	226.502/2	09/18/10 09:11	Linear	1.000000
Co	228.616	09/18/10 09:11	Linear	1.000000
Cr	267.716	09/18/10 09:11	Linear	1.000000
Cu	324.753	09/18/10 09:11	Linear	1.000000
Fe	271.441	09/18/10 09:11	Linear	1.000000
2Fe	271.441	09/18/10 09:11	Linear	1.000000
K	766.491	09/18/10 09:11	Linear	1.000000
Mg	279.078	09/18/10 09:11	Linear	1.000000
2Mg	279.078	09/18/10 09:11	Linear	1.000000
Mn	257.610	09/18/10 09:11	Linear	1.000000
Mo	202.030/2	09/18/10 09:11	Linear	1.000000
Na	330.231	[illegible]	[illegible]	1.000000
Ni	231.604/2	09/18/10 09:11	Linear	1.000000

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
Sb	206.838/2	09/18/10 09:11	Linear	1.000000
Sn	189.989	09/18/10 09:11	Linear	1.000000
Sr	421.542	09/18/10 09:11	Linear	1.000000
Ti	334.941	09/18/10 09:11	Linear	1.000000
Tl	190.864/2	09/18/10 09:11	Linear	1.000000
V	292.402	09/18/10 09:11	Linear	1.000000
Zn	206.200	09/18/10 09:11	Linear	1.000000
2203/1	220.351	09/18/10 09:11	Linear	1.000000
2203/2	220.352/2	09/18/10 09:11	Linear	1.000000
1960/1	196.021	09/18/10 09:11	Linear	1.000000
1960/2	196.022/2	09/18/10 09:11	Linear	1.000000

Element:	Ag	Al	2Al	As	B
Wavelength:	328.068	308.215	308.215	189.042/2	249.678/2
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	04/27/99	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	16:03	STDIZED
Offset (A0):	.00251	.862429	.862429	.081934	.033484
Gain (A1):	.021152	.005032	5.03108	.047664	.023424
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/18/10	09/18/10	09/18/10	09/18/10	09/18/10
Time of Fit:	09:11	09:11	09:11	09:11	09:11

Element:	Ba	Be	Ca	Cd	Co
Wavelength:	493.409	313.042	317.933	226.502/2	228.616
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.001966	-.085352	.080883	-.007933	.011354
Gain (A1):	.076939	.145939	.001935	.084329	.039889
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/18/10	09/18/10	09/18/10	09/18/10	09/18/10
Time of Fit:	09:11	09:11	09:11	09:11	09:11

Element:	Cr	Cu	Fe	2Fe	K
Wavelength:	267.716	324.753	271.441	271.441	766.491
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	.009444	.246713	.003009	.003009	.23536
Gain (A1):	.026825	.028322	.000967	.96755	.002537
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/18/10	09/18/10	09/18/10	09/18/10	09/18/10
Time of Fit:	09:11	09:11	09:11	09:11	09:11

Element:	Mg	2Mg	Mn	Mo	Na
Wavelength:	279.078	279.078	257.610	202.030/2	330.231
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.000493	-.000493	.010437	-.001087	.018408
Gain (A1):	.000371	.371399	.088431	.014006	.000066
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/18/10	09/18/10	09/18/10	09/18/10	09/18/10
Time of Fit:	09:11	09:11	09:11	09:11	09:11

Element:	Ni	Sm	Sm	Sb	Sn
Wavelength:	231.604/2	220.353	196.026	206.838/2	189.989
Y - intercept:	0	0	0	0	0
Slope:	1	0	0	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.075029	0	0	.036369	-.006416

Gain (A1):	.057905	1	1	.019725	.024498
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/18/10	NO FIT	NO FIT	09/18/10	09/18/10
Time of Fit:	09:11			09:11	09:11

Element:	Sr	Ti	Tl	V	Zn
Wavelength:	421.542	334.941	190.864/2	292.402	206.200
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	04/27/99	NOT	NOT
Time Standardized:	STDIZED	STDIZED	16:03	STDIZED	STDIZED
Offset (A0):	.008983	-.023263	-.1243	-.001979	.005
Gain (A1):	.150298	.047592	.01817	.020031	.018288
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/18/10	09/18/10	09/18/10	09/18/10	09/18/10
Time of Fit:	09:11	09:11	09:11	09:11	09:11

Element:	Pb	Pb	Se	Se
Wavelength:	220.351	220.352/2	196.021	196.022/2
Y - intercept:	0	0	0	0
Slope:	1	1	1	1
Date Standardized:	04/27/99	04/27/99	04/27/99	04/27/99
Time Standardized:	16:03	16:03	16:03	16:03
Offset (A0):	.012	.006884	-.139059	-.099409
Gain (A1):	.062542	.066139	.022335	.01961
Curvature (A2):	0	0	0	0
Exponent (n):	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE
Date of Fit:	09/18/10	09/18/10	09/18/10	09/18/10
Time of Fit:	09:11	09:11	09:11	09:11

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
HIGH STD 00034	Ag	989.61633	1003.39617	975.83642	1.96921	ug/L	09/18/10	09:11	
HIGH STD 00034	Al	9914.53710	10032.64062	9796.43261	1.68464	ug/L	09/18/10	09:11	
HIGH STD 00034	2Al	9.91483	10.03314	9.79652	1.68752	mg/L	09/18/10	09:11	
HIGH STD 00034	As	990.35424	1005.17358	975.53497	2.11617	ug/L	09/18/10	09:11	
HIGH STD 00034	B	9944.16992	10065.32910	9823.00976	1.72307	ug/L	09/18/10	09:11	
HIGH STD 00034	Ba	9920.81250	10024.57031	9817.05468	1.47906	ug/L	09/18/10	09:11	
HIGH STD 00034	Be	993.47192	1004.12432	982.81945	1.51638	ug/L	09/18/10	09:11	
HIGH STD 00034	Ca	9934.85742	10044.43261	9825.28125	1.55979	ug/L	09/18/10	09:11	
HIGH STD 00034	Cd	990.76794	1002.52130	979.01458	1.67766	ug/L	09/18/10	09:11	
HIGH STD 00034	Co	984.93823	995.27636	974.60003	1.48439	ug/L	09/18/10	09:11	
HIGH STD 00034	Cr	9936.16796	10045.14355	9827.19140	1.55105	ug/L	09/18/10	09:11	
HIGH STD 00034	Cu	9920.22363	10022.47656	9817.97070	1.45770	ug/L	09/18/10	09:11	
HIGH STD 00034	Fe	9935.19433	10050.23046	9820.15820	1.63746	ug/L	09/18/10	09:11	
HIGH STD 00034	2Fe	9.93519	10.05075	9.81963	1.64489	mg/L	09/18/10	09:11	
HIGH STD 00034	K	19842.78906	20059.49804	19626.08007	1.54450	ug/L	09/18/10	09:11	
HIGH STD 00034	Mg	9942.74804	10066.35742	9819.13769	1.75817	ug/L	09/18/10	09:11	
HIGH STD 00034	2Mg	9.94275	10.06635	9.81914	1.75810	mg/L	09/18/10	09:11	
HIGH STD 00034	Mn	9947.04492	10056.00292	9838.08593	1.54910	ug/L	09/18/10	09:11	
HIGH STD 00034	Mo	993.48358	1008.37347	978.59368	2.11956	ug/L	09/18/10	09:11	
HIGH STD 00034	Na	14960.28808	15285.90429	14634.67187	3.07808	ug/L	09/18/10	09:11	
HIGH STD 00034	Ni	4952.23388	5009.35302	4895.11474	1.63115	ug/L	09/18/10	09:11	
HIGH STD 00034	Pb	993.21813	1005.81195	980.62432	1.79319	ug/L	09/18/10	09:11	
HIGH STD 00034	Se	9924.06054	10051.36914	9796.75292	1.81418	ug/L	09/18/10	09:11	
HIGH STD 00034	Sb	994.19128	1008.27221	980.11029	2.00298	ug/L	09/18/10	09:11	
HIGH STD 00034	Sn	9916.29101	10041.26171	9791.31933	1.78227	ug/L	09/18/10	09:11	
HIGH STD 00034	Sr	4969.00488	5015.41210	4922.59716	1.32078	ug/L	09/18/10	09:11	
HIGH STD 00034	Ti	992.73724	1003.81329	981.66119	1.57784	ug/L	09/18/10	09:11	
HIGH STD 00034	Tl	9927.67382	10061.27246	9794.07617	1.90312	ug/L	09/18/10	09:11	
HIGH STD 00034	V	9959.51953	10074.58789	9844.45117	1.63392	ug/L	09/18/10	09:11	
HIGH STD 00034	Zn	4960.27001	5018.06835	4902.47167	1.64787	ug/L	09/18/10	09:11	
HIGH STD 00034	2203/1	988.34228	997.32458	979.35992	1.28527	ug/L	09/18/10	09:11	
HIGH STD 00034	2203/2	995.64349	1010.04028	981.24670	2.04492	ug/L	09/18/10	09:11	
HIGH STD 00034	1960/1	9866.15332	9963.10449	9769.20214	1.38969	ug/L	09/18/10	09:11	
HIGH STD 00034	1960/2	9952.97070	10095.43457	9810.50781	2.02425	ug/L	09/18/10	09:11	
HIGH STD 00034	Y	992.27795	983.47814	1001.07781	1.25416		09/18/10	09:11	
ICV 00190	Ag	958.70849	959.09814	958.31878	0.05748	ug/L	09/18/10	09:20	
ICV 00190	Al	971.39044	970.21649	972.56439	0.17091	ug/L	09/18/10	09:20	
ICV 00190	2Al	0.97147	0.97030	0.97265	0.17091	mg/L	09/18/10	09:20	
ICV 00190	As	1001.05908	1002.44256	999.67553	0.19545	ug/L	09/18/10	09:20	
ICV 00190	B	989.18994	986.89605	991.48382	0.32794	ug/L	09/18/10	09:20	
ICV 00190	Ba	981.69812	981.79199	981.60430	0.01351	ug/L	09/18/10	09:20	
ICV 00190	Be	978.45465	978.70745	978.20184	0.03653	ug/L	09/18/10	09:20	
ICV 00190	Ca	973.27697	973.91156	972.64245	0.09220	ug/L	09/18/10	09:20	
ICV 00190	Cd	989.09143	988.74383	989.43902	0.04969	ug/L	09/18/10	09:20	
ICV 00190	Co	975.77740	976.27490	975.27990	0.07210	ug/L	09/18/10	09:20	
ICV 00190	Cr	989.17102	989.49560	988.84637	0.04641	ug/L	09/18/10	09:20	
ICV 00190	Cu	989.89611	989.68347	990.10876	0.03037	ug/L	09/18/10	09:20	
ICV 00190	Fe	1002.71508	992.64440	1012.78582	1.42035	ug/L	09/18/10	09:20	
ICV 00190	2Fe	1.00304	0.99297	1.01311	1.41973	mg/L	09/18/10	09:20	
ICV 00190	K	19156.31445	19156.08593	19156.54296	0.00168	ug/L	09/18/10	09:20	
ICV 00190	Mg	982.23876	986.84521	977.63226	0.66323	ug/L	09/18/10	09:20	
ICV 00190	2Mg	0.98223	0.98684	0.97762	0.66334	mg/L	09/18/10	09:20	
ICV 00190	Mn	984.36181	984.98919	983.73449	0.09013	ug/L	09/18/10	09:20	
ICV 00190	Mo	991.80432	991.82489	991.78381	0.00292	ug/L	09/18/10	09:20	
ICV 00190	Na	9719.45214	9576.94824	9861.95605	2.07348	ug/L	09/18/10	09:20	
ICV 00190	Ni	985.79553	984.24438	987.34667	0.22252	ug/L	09/18/10	09:20	
ICV 00190	Pb	973.41186	973.83972	972.98406	0.06215	ug/L	09/18/10	09:20	
ICV 00190	Se	991.43603	990.34271	992.52929	0.15595	ug/L	09/18/10	09:20	
ICV 00190	Sb	946.76684	949.61004	943.92358	0.42470	ug/L	09/18/10	09:20	
ICV 00190	Sn	985.19134	985.91192	984.47076	0.10343	ug/L	09/18/10	09:20	
ICV 00190	Sr	1005.70031	1005.06988	1006.33074	0.08865	ug/L	09/18/10	09:20	
ICV 00190	Ti	959.61889	960.42687	958.81097	0.11906	ug/L	09/18/10	09:20	
ICV 00190	Tl	972.29089	979.42590	965.15582	1.03780	ug/L	09/18/10	09:20	
ICV 00190	V	966.08728	967.92407	964.25054	0.26887	ug/L	09/18/10	09:20	
ICV 00190	Zn	993.03222	992.62609	993.43829	0.05783	ug/L	09/18/10	09:20	
ICV 00190	2203/1	971.34875	971.11273	971.58471	0.03435	ug/L	09/18/10	09:20	
ICV 00190	2203/2	974.44189	975.20117	973.68267	0.11018	ug/L	09/18/10	09:20	
ICV 00190	1960/1	985.14099	987.08093	983.20098	0.27849	ug/L	09/18/10	09:20	
ICV 00190	1960/2	994.57879	991.97113	997.18646	0.37078	ug/L	09/18/10	09:20	
ICV 00190	Y	1011.39233	1010.75939	1012.02520	0.08849		09/18/10	09:20	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICB	Ag	0.30494	0.30572	0.30416	0.36023	ug/L	09/18/10	09:27	
ICB	Al	4.18266	1.43788	6.92744	92.80467	ug/L	09/18/10	09:27	
ICB	2Al	0.00418	0.00143	0.00692	92.80467	mg/L	09/18/10	09:27	
ICB	As	-1.64594	-1.94958	-1.34230	26.08889	ug/L	09/18/10	09:27	
ICB	B	9.66372	10.36507	8.96237	10.26375	ug/L	09/18/10	09:27	
ICB	Ba	-0.04569	-0.09111	-0.00027	140.56164	ug/L	09/18/10	09:27	
ICB	Be	-0.00858	-0.01655	-0.00061	131.26640	ug/L	09/18/10	09:27	
ICB	Ca	0.38767	0.46558	0.30976	28.42167	ug/L	09/18/10	09:27	
ICB	Cd	-0.21824	-0.16633	-0.27015	33.63529	ug/L	09/18/10	09:27	
ICB	Co	-0.59406	-0.10998	-1.07813	115.23913	ug/L	09/18/10	09:27	
ICB	Cr	0.05583	-0.16609	0.27775	562.13232	ug/L	09/18/10	09:27	
ICB	Cu	-0.38052	-0.43547	-0.32556	20.42381	ug/L	09/18/10	09:27	
ICB	Fe	-5.61736	3.08962	-14.32435	219.20509	ug/L	09/18/10	09:27	
ICB	2Fe	-0.00561	0.00308	-0.01432	219.20291	mg/L	09/18/10	09:27	
ICB	K	-6.44772	-10.21276	-2.68269	82.58049	ug/L	09/18/10	09:27	
ICB	Mg	1.32685	1.32766	1.32604	0.08643	ug/L	09/18/10	09:27	
ICB	2Mg	0.00132	0.00132	0.00132	0.08140	mg/L	09/18/10	09:27	
ICB	Mn	-0.02247	-0.11798	0.07304	601.06256	ug/L	09/18/10	09:27	
ICB	Mo	0.89337	0.00639	1.78035	140.40882	ug/L	09/18/10	09:27	
ICB	Na	-112.45771	-247.12081	22.20540	169.34579	ug/L	09/18/10	09:27	
ICB	Ni	-0.28480	0.64049	-1.21009	459.46282	ug/L	09/18/10	09:27	
ICB	Pb	-0.39118	0.21635	-0.99872	219.64002	ug/L	09/18/10	09:27	
ICB	Se	4.18213	5.34399	3.02027	39.28888	ug/L	09/18/10	09:27	
ICB	Sb	-0.89897	-1.23607	-0.56188	53.02886	ug/L	09/18/10	09:27	
ICB	Sn	0.06030	1.60361	-1.48300	3619.25756	ug/L	09/18/10	09:27	
ICB	Sr	-0.02664	-0.02658	-0.02670	0.32232	ug/L	09/18/10	09:27	
ICB	Ti	0.18551	0.19541	0.17560	7.54959	ug/L	09/18/10	09:27	
ICB	Tl	2.34366	0.85893	3.82840	89.59140	ug/L	09/18/10	09:27	
ICB	V	0.34795	0.34708	0.34883	0.35523	ug/L	09/18/10	09:27	
ICB	Zn	-0.16416	-0.00096	-0.32735	140.58821	ug/L	09/18/10	09:27	
ICB	2203/1	-1.40963	-0.89438	-1.92489	51.69295	ug/L	09/18/10	09:27	
ICB	2203/2	0.11728	0.77089	-0.53633	788.13879	ug/L	09/18/10	09:27	
ICB	1960/1	2.34800	2.43048	2.26553	4.96738	ug/L	09/18/10	09:27	
ICB	1960/2	5.09782	6.79856	3.39708	47.18108	ug/L	09/18/10	09:27	
ICB	Y	1004.49121	1002.64923	1006.33325	0.25933		09/18/10	09:27	
RL ICP 00045	Ag	10.44506	10.44273	10.44740	0.03162	ug/L	09/18/10	09:35	
RL ICP 00045	Al	208.64340	206.08862	211.19819	1.73166	ug/L	09/18/10	09:35	
RL ICP 00045	2Al	0.20866	0.20610	0.21121	1.73167	mg/L	09/18/10	09:35	
RL ICP 00045	As	20.34449	20.80817	19.88081	3.22319	ug/L	09/18/10	09:35	
RL ICP 00045	B	104.56904	103.78270	105.35537	1.06345	ug/L	09/18/10	09:35	
RL ICP 00045	Ba	10.09345	10.18158	10.00532	1.23477	ug/L	09/18/10	09:35	
RL ICP 00045	Be	3.94349	3.93246	3.95451	0.39527	ug/L	09/18/10	09:35	
RL ICP 00045	Ca	500.28567	499.65261	500.91873	0.17895	ug/L	09/18/10	09:35	
RL ICP 00045	Cd	4.80063	4.95253	4.64873	4.47476	ug/L	09/18/10	09:35	
RL ICP 00045	Co	9.66200	9.76970	9.55430	1.57639	ug/L	09/18/10	09:35	
RL ICP 00045	Cr	9.53482	9.60672	9.46292	1.06639	ug/L	09/18/10	09:35	
RL ICP 00045	Cu	21.02310	21.15694	20.88925	0.90035	ug/L	09/18/10	09:35	
RL ICP 00045	Fe	61.03914	63.07344	59.00484	4.71326	ug/L	09/18/10	09:35	
RL ICP 00045	2Fe	0.06103	0.06307	0.05900	4.71306	mg/L	09/18/10	09:35	
RL ICP 00045	K	967.47576	965.67590	969.27563	0.26309	ug/L	09/18/10	09:35	
RL ICP 00045	Mg	502.91876	501.47061	504.36688	0.40721	ug/L	09/18/10	09:35	
RL ICP 00045	2Mg	0.50277	0.50132	0.50421	0.40733	mg/L	09/18/10	09:35	
RL ICP 00045	Mn	9.89744	9.86156	9.93331	0.51259	ug/L	09/18/10	09:35	
RL ICP 00045	Mo	9.18907	8.15894	10.21920	15.85388	ug/L	09/18/10	09:35	
RL ICP 00045	Na	931.79370	938.93627	924.65112	1.08405	ug/L	09/18/10	09:35	
RL ICP 00045	Ni	41.20778	41.39704	41.01852	0.64951	ug/L	09/18/10	09:35	
RL ICP 00045	Pb	10.49871	10.42254	10.57487	1.02594	ug/L	09/18/10	09:35	
RL ICP 00045	Se	25.18524	23.49897	26.87151	9.46881	ug/L	09/18/10	09:35	
RL ICP 00045	Sb	20.03215	21.49806	18.56623	10.34895	ug/L	09/18/10	09:35	
RL ICP 00045	Sn	52.73321	53.43319	52.03323	1.87722	ug/L	09/18/10	09:35	
RL ICP 00045	Sr	10.24802	10.21270	10.28333	0.48736	ug/L	09/18/10	09:35	
RL ICP 00045	Ti	10.16455	10.06850	10.26059	1.33627	ug/L	09/18/10	09:35	
RL ICP 00045	Tl	29.36428	24.46850	34.26005	23.57854	ug/L	09/18/10	09:35	
RL ICP 00045	V	10.69805	10.89403	10.50207	2.59067	ug/L	09/18/10	09:35	
RL ICP 00045	Zn	21.46190	21.78303	21.14077	2.11603	ug/L	09/18/10	09:35	
RL ICP 00045	2203/1	9.02359	11.97570	6.07148	46.26666	ug/L	09/18/10	09:35	
RL ICP 00045	2203/2	11.23516	9.64713	12.82319	19.98913	ug/L	09/18/10	09:35	
RL ICP 00045	1960/1	21.25125	18.93598	23.56653	15.40754	ug/L	09/18/10	09:35	
RL ICP 00045	1960/2	27.14926	25.77702	28.52149	7.14802	ug/L	09/18/10	09:35	
RL ICP 00045	Y	1006.94873	1007.17138	1006.72613	0.03126		09/18/10	09:35	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP 00045	Ag	10.29989	10.07569	10.52409	3.07836	ug/L	09/18/10	09:48	
RL ICP 00045	Al	214.42333	210.88633	217.96034	2.33280	ug/L	09/18/10	09:48	
RL ICP 00045	2Al	0.21444	0.21090	0.21798	2.33279	mg/L	09/18/10	09:48	
RL ICP 00045	As	17.65999	15.50973	19.81025	17.21930	ug/L	09/18/10	09:48	
RL ICP 00045	B	105.63855	105.83268	105.44442	0.25988	ug/L	09/18/10	09:48	
RL ICP 00045	Ba	10.12849	10.21824	10.03875	1.25307	ug/L	09/18/10	09:48	
RL ICP 00045	Be	3.95528	3.97950	3.93105	0.86621	ug/L	09/18/10	09:48	
RL ICP 00045	Ca	501.30261	504.47183	498.13336	0.89406	ug/L	09/18/10	09:48	
RL ICP 00045	Cd	4.93659	5.05919	4.81398	3.51224	ug/L	09/18/10	09:48	
RL ICP 00045	Co	9.90664	9.45759	10.35568	6.41032	ug/L	09/18/10	09:48	
RL ICP 00045	Cr	9.89028	9.01566	10.76491	12.50625	ug/L	09/18/10	09:48	
RL ICP 00045	Cu	21.25483	20.55775	21.95190	4.63806	ug/L	09/18/10	09:48	
RL ICP 00045	Fe	50.67662	64.71145	36.64180	39.16645	ug/L	09/18/10	09:48	
RL ICP 00045	2Fe	0.05067	0.06471	0.03664	39.16284	mg/L	09/18/10	09:48	
RL ICP 00045	K	975.24914	998.35491	952.14343	3.35057	ug/L	09/18/10	09:48	
RL ICP 00045	Mg	502.67947	502.73458	502.62435	0.01550	ug/L	09/18/10	09:48	
RL ICP 00045	2Mg	0.50253	0.50258	0.50248	0.01481	mg/L	09/18/10	09:48	
RL ICP 00045	Mn	10.01602	10.08237	9.94968	0.93674	ug/L	09/18/10	09:48	
RL ICP 00045	Mo	10.29670	9.30049	11.29290	13.68248	ug/L	09/18/10	09:48	
RL ICP 00045	Na	837.27380	907.09875	767.44885	11.79391	ug/L	09/18/10	09:48	
RL ICP 00045	Ni	41.18637	41.65515	40.71758	1.60966	ug/L	09/18/10	09:48	
RL ICP 00045	Pb	10.68327	10.05799	11.30855	8.27720	ug/L	09/18/10	09:48	
RL ICP 00045	Se	22.03074	22.09066	21.97082	0.38462	ug/L	09/18/10	09:48	
RL ICP 00045	Sb	17.41283	19.19993	15.62574	14.51421	ug/L	09/18/10	09:48	
RL ICP 00045	Sn	49.82442	49.12306	50.52578	1.99073	ug/L	09/18/10	09:48	
RL ICP 00045	Sr	10.37052	10.38928	10.35175	0.25590	ug/L	09/18/10	09:48	
RL ICP 00045	Ti	9.98696	9.78962	10.18431	2.79453	ug/L	09/18/10	09:48	
RL ICP 00045	Tl	30.93033	33.57113	28.28952	12.07441	ug/L	09/18/10	09:48	
RL ICP 00045	V	10.08517	10.03556	10.13479	0.69572	ug/L	09/18/10	09:48	
RL ICP 00045	Zn	21.99499	21.59779	22.39218	2.55387	ug/L	09/18/10	09:48	
RL ICP 00045	2203/1	9.06398	8.95560	9.17237	1.69104	ug/L	09/18/10	09:48	
RL ICP 00045	2203/2	11.49170	10.60836	12.37503	10.87070	ug/L	09/18/10	09:48	
RL ICP 00045	1960/1	26.06392	25.12151	27.00633	5.11344	ug/L	09/18/10	09:48	
RL ICP 00045	1960/2	20.01715	20.57748	19.45682	3.95873	ug/L	09/18/10	09:48	
RL ICP 00045	Y	991.30895	983.14642	999.47149	1.16447		09/18/10	09:48	
ICSA61 00022	Ag	0.12621	1.69006	-1.43763	1752.31091	ug/L	09/18/10	09:53	
ICSA61 00022	Al	529742.75000	529597.43750	529888.12500	0.03880	ug/L	09/18/10	09:53	
ICSA61 00022	2Al	529.76232	529.59527	529.92932	0.04458	mg/L	09/18/10	09:53	
ICSA61 00022	As	-2.88115	-4.63969	-1.12262	86.31752	ug/L	09/18/10	09:53	
ICSA61 00022	B	14.10295	13.62141	14.58449	4.82876	ug/L	09/18/10	09:53	
ICSA61 00022	Ba	0.87798	1.11675	0.63922	38.45866	ug/L	09/18/10	09:53	
ICSA61 00022	Be	0.07987	0.13360	0.02615	95.11964	ug/L	09/18/10	09:53	
ICSA61 00022	Ca	541383.37500	541697.93750	541068.81250	0.08217	ug/L	09/18/10	09:53	
ICSA61 00022	Cd	-0.23496	0.23708	-0.70701	284.12292	ug/L	09/18/10	09:53	
ICSA61 00022	Co	-0.00755	0.16857	-0.18368	3297.59130	ug/L	09/18/10	09:53	
ICSA61 00022	Cr	1.53920	1.03300	2.04539	46.50878	ug/L	09/18/10	09:53	
ICSA61 00022	Cu	1.39856	0.85394	1.94317	55.07107	ug/L	09/18/10	09:53	
ICSA61 00022	Fe	194087.15625	193979.43750	194194.85937	0.07848	ug/L	09/18/10	09:53	
ICSA61 00022	2Fe	194.06121	193.94528	194.17715	0.08448	mg/L	09/18/10	09:53	
ICSA61 00022	K	-7.51000	31.21551	-46.23551	729.24304	ug/L	09/18/10	09:53	
ICSA61 00022	Mg	525280.50000	525020.25000	525540.68750	0.07005	ug/L	09/18/10	09:53	
ICSA61 00022	2Mg	525.06652	524.78643	525.34655	0.07543	mg/L	09/18/10	09:53	
ICSA61 00022	Mn	-1.27934	-1.29347	-1.26521	1.56202	ug/L	09/18/10	09:53	
ICSA61 00022	Mo	0.18440	1.74687	-1.37807	1198.28491	ug/L	09/18/10	09:53	
ICSA61 00022	Na	21.47936	-52.31843	95.27717	485.88888	ug/L	09/18/10	09:53	
ICSA61 00022	Ni	-0.88727	0.91636	-2.69091	287.48025	ug/L	09/18/10	09:53	
ICSA61 00022	Pb	-3.40653	-4.39889	-2.41417	41.19756	ug/L	09/18/10	09:53	
ICSA61 00022	Se	5.03320	13.12188	-3.05548	227.27337	ug/L	09/18/10	09:53	
ICSA61 00022	Sb	3.20143	10.44963	-4.04676	320.18444	ug/L	09/18/10	09:53	
ICSA61 00022	Sn	-0.54314	5.29971	-6.38599	1521.34619	ug/L	09/18/10	09:53	
ICSA61 00022	Sr	2.40218	2.39381	2.41055	0.49280	ug/L	09/18/10	09:53	
ICSA61 00022	Ti	1.80183	1.83018	1.77348	2.22526	ug/L	09/18/10	09:53	
ICSA61 00022	Tl	-2.49668	1.85681	-6.85017	246.59791	ug/L	09/18/10	09:53	
ICSA61 00022	V	-9.92868	-7.15996	-12.69741	39.43690	ug/L	09/18/10	09:53	
ICSA61 00022	Zn	3.75829	3.67965	3.83692	2.95887	ug/L	09/18/10	09:53	
ICSA61 00022	2203/1	65.40924	78.67508	52.14340	28.68207	ug/L	09/18/10	09:53	
ICSA61 00022	2203/2	-37.76284	-45.87361	-29.65207	30.37473	ug/L	09/18/10	09:53	
ICSA61 00022	1960/1	2.64514	13.74172	-8.45143	593.27246	ug/L	09/18/10	09:53	
ICSA61 00022	1960/2	6.22543	12.81243	-0.36155	149.63465	ug/L	09/18/10	09:53	
ICSA61 00022	Y	936.43652	940.97174	931.90130	0.68491		09/18/10	09:53	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB61 00038	Ag	210.30258	210.30941	210.29573	0.00460	ug/L	09/18/10	10:05	
ICSAB61 00038	Al	521443.43750	521847.90625	521039.00000	0.10969	ug/L	09/18/10	10:05	
ICSAB61 00038	2Al	521.47766	521.88989	521.06549	0.11178	mg/L	09/18/10	10:05	
ICSAB61 00038	As	99.42559	99.94325	98.90794	0.73630	ug/L	09/18/10	10:05	
ICSAB61 00038	B	14.40838	14.12752	14.68925	2.75675	ug/L	09/18/10	10:05	
ICSAB61 00038	Ba	533.44030	533.62188	533.25866	0.04814	ug/L	09/18/10	10:05	
ICSAB61 00038	Be	515.02612	514.71936	515.33288	0.08423	ug/L	09/18/10	10:05	
ICSAB61 00038	Ca	533727.00000	533990.25000	533463.68750	0.06976	ug/L	09/18/10	10:05	
ICSAB61 00038	Cd	978.04498	980.50952	975.58044	0.35636	ug/L	09/18/10	10:05	
ICSAB61 00038	Co	476.00173	476.62921	475.37426	0.18642	ug/L	09/18/10	10:05	
ICSAB61 00038	Cr	493.59902	493.62997	493.56808	0.00886	ug/L	09/18/10	10:05	
ICSAB61 00038	Cu	538.88793	538.87591	538.89990	0.00314	ug/L	09/18/10	10:05	
ICSAB61 00038	Fe	193374.98437	193409.90625	193340.06250	0.02553	ug/L	09/18/10	10:05	
ICSAB61 00038	2Fe	193.35473	193.39244	193.31704	0.02757	mg/L	09/18/10	10:05	
ICSAB61 00038	K	-16.86420	-20.37457	-13.35384	29.43752	ug/L	09/18/10	10:05	
ICSAB61 00038	Mg	522193.50000	522395.21875	521991.81250	0.05462	ug/L	09/18/10	10:05	
ICSAB61 00038	2Mg	521.99633	522.20520	521.78747	0.05658	mg/L	09/18/10	10:05	
ICSAB61 00038	Mn	496.63601	496.65252	496.61950	0.00470	ug/L	09/18/10	10:05	
ICSAB61 00038	Mo	994.94000	992.25463	997.62536	0.38169	ug/L	09/18/10	10:05	
ICSAB61 00038	Na	-144.52928	-192.90696	-96.15159	47.33738	ug/L	09/18/10	10:05	
ICSAB61 00038	Ni	949.91455	949.06402	950.76501	0.12661	ug/L	09/18/10	10:05	
ICSAB61 00038	Pb	46.22370	45.13316	47.31423	3.33649	ug/L	09/18/10	10:05	
ICSAB61 00038	Se	58.82748	56.84267	60.81228	4.77146	ug/L	09/18/10	10:05	
ICSAB61 00038	Sb	613.61914	608.72192	618.51641	1.12867	ug/L	09/18/10	10:05	
ICSAB61 00038	Sn	980.26098	986.67083	973.85113	0.92474	ug/L	09/18/10	10:05	
ICSAB61 00038	Sr	2.39521	2.40574	2.38468	0.62178	ug/L	09/18/10	10:05	
ICSAB61 00038	Ti	1.90252	2.05941	1.74563	11.66211	ug/L	09/18/10	10:05	
ICSAB61 00038	Tl	106.48164	105.63211	107.33116	1.12828	ug/L	09/18/10	10:05	
ICSAB61 00038	V	495.58233	495.54809	495.61660	0.00977	ug/L	09/18/10	10:05	
ICSAB61 00038	Zn	984.76013	983.92169	985.59857	0.12040	ug/L	09/18/10	10:05	
ICSAB61 00038	2203/1	112.27284	111.47244	113.07324	1.00820	ug/L	09/18/10	10:05	
ICSAB61 00038	2203/2	13.24864	12.01325	14.48402	13.18703	ug/L	09/18/10	10:05	
ICSAB61 00038	1960/1	57.57377	63.69746	51.45007	15.04194	ug/L	09/18/10	10:05	
ICSAB61 00038	1960/2	59.45339	53.42042	65.48636	14.35058	ug/L	09/18/10	10:05	
ICSAB61 00038	Y	926.89025	925.62445	928.15612	0.19313		09/18/10	10:05	
CCV 00072	Ag	493.37445	494.18710	492.56176	0.23294	ug/L	09/18/10	10:13	
CCV 00072	Al	4872.51367	4879.38818	4865.63964	0.19952	ug/L	09/18/10	10:13	
CCV 00072	2Al	4.87285	4.87982	4.86587	0.20242	mg/L	09/18/10	10:13	
CCV 00072	As	499.43075	499.91726	498.94424	0.13776	ug/L	09/18/10	10:13	
CCV 00072	B	4962.97949	4964.06298	4961.89599	0.03087	ug/L	09/18/10	10:13	
CCV 00072	Ba	4992.53808	4997.83837	4987.23828	0.15013	ug/L	09/18/10	10:13	
CCV 00072	Be	497.96710	498.53735	497.39688	0.16194	ug/L	09/18/10	10:13	
CCV 00072	Ca	4931.63574	4934.52490	4928.74707	0.08284	ug/L	09/18/10	10:13	
CCV 00072	Cd	498.00665	498.24969	497.76364	0.06901	ug/L	09/18/10	10:13	
CCV 00072	Co	492.85369	493.27822	492.42919	0.12181	ug/L	09/18/10	10:13	
CCV 00072	Cr	4978.46386	4982.03027	4974.89697	0.10131	ug/L	09/18/10	10:13	
CCV 00072	Cu	4951.62011	4955.46142	4947.77929	0.10970	ug/L	09/18/10	10:13	
CCV 00072	Fe	4958.94970	4956.77539	4961.12402	0.06200	ug/L	09/18/10	10:13	
CCV 00072	2Fe	4.95920	4.95703	4.96138	0.06199	mg/L	09/18/10	10:13	
CCV 00072	K	9846.89648	9857.33593	9836.45800	0.14992	ug/L	09/18/10	10:13	
CCV 00072	Mg	4959.95312	4965.20849	4954.69824	0.14983	ug/L	09/18/10	10:13	
CCV 00072	2Mg	4.95996	4.96521	4.95470	0.14985	mg/L	09/18/10	10:13	
CCV 00072	Mn	4982.49072	4986.57861	4978.40283	0.11602	ug/L	09/18/10	10:13	
CCV 00072	Mo	501.44226	500.84490	502.03964	0.16847	ug/L	09/18/10	10:13	
CCV 00072	Na	7305.29687	7432.95996	7177.63330	2.47140	ug/L	09/18/10	10:13	
CCV 00072	Ni	2487.08349	2485.00366	2489.16357	0.11827	ug/L	09/18/10	10:13	
CCV 00072	Pb	499.49566	498.53607	500.45526	0.27168	ug/L	09/18/10	10:13	
CCV 00072	Se	4997.57470	4994.19140	5000.95800	0.09574	ug/L	09/18/10	10:13	
CCV 00072	Sb	496.00354	499.10528	492.90176	0.88437	ug/L	09/18/10	10:13	
CCV 00072	Sn	4984.78027	4983.08740	4986.47265	0.04802	ug/L	09/18/10	10:13	
CCV 00072	Sr	2535.96875	2545.97167	2525.96582	0.55782	ug/L	09/18/10	10:13	
CCV 00072	Ti	497.59753	497.83847	497.35656	0.06848	ug/L	09/18/10	10:13	
CCV 00072	Tl	5009.00585	5011.97509	5006.03662	0.08383	ug/L	09/18/10	10:13	
CCV 00072	V	4968.46777	4969.46435	4967.47167	0.02835	ug/L	09/18/10	10:13	
CCV 00072	Zn	2505.98779	2507.30078	2504.67480	0.07409	ug/L	09/18/10	10:13	
CCV 00072	2203/1	496.41784	492.84841	499.98727	1.01687	ug/L	09/18/10	10:13	
CCV 00072	2203/2	501.02786	501.37121	500.68450	0.09691	ug/L	09/18/10	10:13	
CCV 00072	1960/1	4978.99072	4990.69921	4967.28222	0.33256	ug/L	09/18/10	10:13	
CCV 00072	1960/2	5006.85302	4995.93505	5017.77099	0.30838	ug/L	09/18/10	10:13	
CCV 00072	Y	994.34698	992.47003	996.22393	0.26695		09/18/10	10:13	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP..	TIMESTMP	COMMENT.....
CCB	Ag	0.42108	0.39845	0.44371	7.60123	ug/L	09/18/10	10:21	
CCB	Al	0.14761	0.70316	-0.40793	532.23956	ug/L	09/18/10	10:21	
CCB	2Al	0.00014	0.00070	-0.00040	532.25524	mg/L	09/18/10	10:21	
CCB	As	-1.50004	-1.76017	-1.23992	24.52380	ug/L	09/18/10	10:21	
CCB	B	8.32123	9.22566	7.41680	15.37098	ug/L	09/18/10	10:21	
CCB	Ba	-0.01315	-0.01321	-0.01309	0.64369	ug/L	09/18/10	10:21	
CCB	Be	0.01005	-0.00095	0.02106	154.89015	ug/L	09/18/10	10:21	
CCB	Ca	-0.75360	-0.69045	-0.81674	11.84925	ug/L	09/18/10	10:21	
CCB	Cd	0.17610	0.36504	-0.01284	151.73281	ug/L	09/18/10	10:21	
CCB	Co	-0.39450	-0.47863	-0.31037	30.15956	ug/L	09/18/10	10:21	
CCB	Cr	0.03633	-0.20356	0.27622	933.79797	ug/L	09/18/10	10:21	
CCB	Cu	-0.19279	-0.03951	-0.34607	112.43518	ug/L	09/18/10	10:21	
CCB	Fe	9.23677	3.11092	15.36261	93.79090	ug/L	09/18/10	10:21	
CCB	2Fe	0.00923	0.00311	0.01536	93.79131	mg/L	09/18/10	10:21	
CCB	K	-3.93134	0.90112	-8.76380	173.83734	ug/L	09/18/10	10:21	
CCB	Mg	1.32951	1.32818	1.33084	0.14148	ug/L	09/18/10	10:21	
CCB	2Mg	0.00132	0.00132	0.00132	0.02853	mg/L	09/18/10	10:21	
CCB	Mn	-0.01695	-0.05043	0.01653	279.38555	ug/L	09/18/10	10:21	
CCB	Mo	1.07205	2.42037	-0.27626	177.86492	ug/L	09/18/10	10:21	
CCB	Na	-149.70614	97.21077	-396.62307	233.25245	ug/L	09/18/10	10:21	
CCB	Ni	0.08808	-0.23075	0.40692	511.90252	ug/L	09/18/10	10:21	
CCB	Pb	0.68658	2.06467	-0.69151	283.85891	ug/L	09/18/10	10:21	
CCB	Se	3.55625	4.95729	2.15520	55.71538	ug/L	09/18/10	10:21	
CCB	Sb	2.75125	3.13003	2.37248	19.46985	ug/L	09/18/10	10:21	
CCB	Sn	-0.80273	2.53962	-4.14508	588.84130	ug/L	09/18/10	10:21	
CCB	Sr	-0.03667	-0.05314	-0.02019	63.54690	ug/L	09/18/10	10:21	
CCB	Ti	0.08193	0.02915	0.13471	91.10054	ug/L	09/18/10	10:21	
CCB	Tl	1.78989	2.68307	0.89670	70.57148	ug/L	09/18/10	10:21	
CCB	V	0.76923	1.09165	0.44682	59.27496	ug/L	09/18/10	10:21	
CCB	Zn	-0.57182	-0.49119	-0.65244	19.94044	ug/L	09/18/10	10:21	
CCB	2203/1	3.16629	4.11634	2.21623	42.43375	ug/L	09/18/10	10:21	
CCB	2203/2	-0.55141	1.04038	-2.14321	408.24856	ug/L	09/18/10	10:21	
CCB	1960/1	1.38259	2.39694	0.36824	103.75497	ug/L	09/18/10	10:21	
CCB	1960/2	4.64145	6.23555	3.04734	48.57111	ug/L	09/18/10	10:21	
CCB	Y	1007.25427	1005.69598	1008.81262	0.21879		09/18/10	10:21	
PBS 180221	Ag	-0.02636	0.06591	-0.11863	494.98764	ug/L	09/18/10	11:14	
PBS 180221	Al	4.95903	2.36847	7.54960	73.87738	ug/L	09/18/10	11:14	
PBS 180221	2Al	0.00495	0.00236	0.00755	73.87738	mg/L	09/18/10	11:14	
PBS 180221	As	-4.28884	-4.37924	-4.19845	2.98060	ug/L	09/18/10	11:14	
PBS 180221	B	0.68432	-0.63215	2.00080	272.06106	ug/L	09/18/10	11:14	
PBS 180221	Ba	-0.09502	-0.12665	-0.06339	47.07552	ug/L	09/18/10	11:14	
PBS 180221	Be	0.01259	0.00972	0.01547	32.26772	ug/L	09/18/10	11:14	
PBS 180221	Ca	33.42574	34.36829	32.48318	3.98785	ug/L	09/18/10	11:14	
PBS 180221	Cd	-0.23450	-0.24514	-0.22387	6.41326	ug/L	09/18/10	11:14	
PBS 180221	Co	0.07075	-0.28578	0.42730	712.59283	ug/L	09/18/10	11:14	
PBS 180221	Cr	0.52202	0.44851	0.59554	19.91541	ug/L	09/18/10	11:14	
PBS 180221	Cu	-0.08917	-0.09664	-0.08169	11.85422	ug/L	09/18/10	11:14	
PBS 180221	Fe	58.48883	49.38084	67.59682	22.02240	ug/L	09/18/10	11:14	
PBS 180221	2Fe	0.05848	0.04937	0.06759	22.02256	mg/L	09/18/10	11:14	
PBS 180221	K	-0.17767	4.16711	-4.52246	3458.28906	ug/L	09/18/10	11:14	
PBS 180221	Mg	1.34432	1.34230	1.34635	0.21296	ug/L	09/18/10	11:14	
PBS 180221	2Mg	0.00133	0.00133	0.00133	0.04748	mg/L	09/18/10	11:14	
PBS 180221	Mn	0.79888	0.74288	0.85487	9.91236	ug/L	09/18/10	11:14	
PBS 180221	Mo	0.28719	-0.13143	0.70582	206.14035	ug/L	09/18/10	11:14	
PBS 180221	Na	-41.74152	-71.32310	-12.15994	100.22314	ug/L	09/18/10	11:14	
PBS 180221	Ni	0.75422	1.53292	-0.02446	146.00926	ug/L	09/18/10	11:14	
PBS 180221	Pb	1.07634	0.60464	1.54805	61.97712	ug/L	09/18/10	11:14	
PBS 180221	Se	5.28921	3.55800	7.02042	46.28866	ug/L	09/18/10	11:14	
PBS 180221	Sb	-1.72525	2.15684	-5.60735	318.22009	ug/L	09/18/10	11:14	
PBS 180221	Sn	11.70257	12.21654	11.18860	6.21113	ug/L	09/18/10	11:14	
PBS 180221	Sr	0.05401	-0.00132	0.10936	144.89219	ug/L	09/18/10	11:14	
PBS 180221	Ti	0.32478	0.42755	0.22200	44.75117	ug/L	09/18/10	11:14	
PBS 180221	Tl	0.23775	2.12365	-1.64814	1121.76049	ug/L	09/18/10	11:14	
PBS 180221	V	0.51487	0.92835	0.10138	113.57334	ug/L	09/18/10	11:14	
PBS 180221	Zn	1.89042	2.02193	1.75892	9.83803	ug/L	09/18/10	11:14	
PBS 180221	2203/1	1.35457	3.00230	-0.29315	172.02799	ug/L	09/18/10	11:14	
PBS 180221	2203/2	0.93744	-0.59238	2.46727	230.78773	ug/L	09/18/10	11:14	
PBS 180221	1960/1	5.72874	1.72716	9.73031	98.78413	ug/L	09/18/10	11:14	
PBS 180221	1960/2	5.06978	4.47204	5.66751	16.67376	ug/L	09/18/10	11:14	
PBS 180221	Y	1023.75836	1024.66625	1022.85046	0.12541		09/18/10	11:14	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSS-1	Ag	49.24946	49.35241	49.14651	0.29561	ug/L	09/18/10	11:19	
LCSS-1	Al	1937.47753	1930.81616	1944.13879	0.48622	ug/L	09/18/10	11:19	
LCSS-1	2Al	1.93756	1.93080	1.94432	0.49349	mg/L	09/18/10	11:19	
LCSS-1	As	1989.70947	1984.42395	1994.99487	0.37567	ug/L	09/18/10	11:19	
LCSS-1	B	1007.48675	1006.80157	1008.17193	0.09617	ug/L	09/18/10	11:19	
LCSS-1	Ba	2020.12060	2017.66357	2022.57751	0.17200	ug/L	09/18/10	11:19	
LCSS-1	Be	49.64177	49.54247	49.74107	0.28288	ug/L	09/18/10	11:19	
LCSS-1	Ca	4940.53417	4933.91064	4947.15771	0.18959	ug/L	09/18/10	11:19	
LCSS-1	Cd	50.28907	50.38199	50.19614	0.26132	ug/L	09/18/10	11:19	
LCSS-1	Co	499.56582	498.81170	500.31994	0.21348	ug/L	09/18/10	11:19	
LCSS-1	Cr	202.10668	202.21235	202.00102	0.07393	ug/L	09/18/10	11:19	
LCSS-1	Cu	252.14016	251.83877	252.44155	0.16904	ug/L	09/18/10	11:19	
LCSS-1	Fe	1023.42822	1024.11181	1022.74468	0.09445	ug/L	09/18/10	11:19	
LCSS-1	2Fe	1.02356	1.02424	1.02287	0.09438	mg/L	09/18/10	11:19	
LCSS-1	K	4814.53613	4806.29541	4822.77636	0.24205	ug/L	09/18/10	11:19	
LCSS-1	Mg	4976.09423	4966.30810	4985.88037	0.27812	ug/L	09/18/10	11:19	
LCSS-1	2Mg	4.97474	4.96495	4.98452	0.27813	mg/L	09/18/10	11:19	
LCSS-1	Mn	503.31683	502.59014	504.04354	0.20418	ug/L	09/18/10	11:19	
LCSS-1	Mo	506.12963	506.72207	505.53723	0.16553	ug/L	09/18/10	11:19	
LCSS-1	Na	4759.21337	4708.29687	4810.12988	1.51299	ug/L	09/18/10	11:19	
LCSS-1	Ni	501.92990	502.37667	501.48312	0.12588	ug/L	09/18/10	11:19	
LCSS-1	Pb	497.87567	499.97052	495.78079	0.59504	ug/L	09/18/10	11:19	
LCSS-1	Se	2002.71069	2002.20104	2003.22045	0.03599	ug/L	09/18/10	11:19	
LCSS-1	Sb	480.58618	476.45632	484.71606	1.21528	ug/L	09/18/10	11:19	
LCSS-1	Sn	1011.72601	1010.81451	1012.63751	0.12741	ug/L	09/18/10	11:19	
LCSS-1	Sr	517.13134	517.13818	517.12457	0.00186	ug/L	09/18/10	11:19	
LCSS-1	Ti	696.08251	695.11242	697.05261	0.19709	ug/L	09/18/10	11:19	
LCSS-1	Tl	2063.04663	2058.56323	2067.53002	0.30733	ug/L	09/18/10	11:19	
LCSS-1	V	492.68789	491.42578	493.95001	0.36227	ug/L	09/18/10	11:19	
LCSS-1	Zn	511.22589	510.57415	511.87765	0.18029	ug/L	09/18/10	11:19	
LCSS-1	2203/1	496.38671	496.52554	496.24786	0.03955	ug/L	09/18/10	11:19	
LCSS-1	2203/2	498.61901	501.69042	495.54760	0.87113	ug/L	09/18/10	11:19	
LCSS-1	1960/1	1999.66284	1995.53747	2003.78833	0.29176	ug/L	09/18/10	11:19	
LCSS-1	1960/2	2004.23193	2005.52734	2002.93640	0.09141	ug/L	09/18/10	11:19	
LCSS-1	Y	1002.63610	1000.54528	1004.72692	0.29490		09/18/10	11:19	
61154-1	Ag	-0.60950	-0.78814	-0.43087	41.44773	ug/L	09/18/10	11:24	
61154-1	Al	60666.14453	60571.09375	60761.19531	0.22157	ug/L	09/18/10	11:24	
61154-1	2Al	60.66658	60.57236	60.76079	0.21962	mg/L	09/18/10	11:24	
61154-1	As	8.58929	10.71955	6.45903	35.07443	ug/L	09/18/10	11:24	
61154-1	B	14.31847	15.81761	12.81933	14.80678	ug/L	09/18/10	11:24	
61154-1	Ba	146.53503	146.49011	146.57997	0.04336	ug/L	09/18/10	11:24	
61154-1	Be	4.46458	4.44329	4.48588	0.67459	ug/L	09/18/10	11:24	
61154-1	Ca	13453.77539	13425.65039	13481.90136	0.29564	ug/L	09/18/10	11:24	
61154-1	Cd	0.05868	-0.19792	0.31528	618.39831	ug/L	09/18/10	11:24	
61154-1	Co	33.34303	33.61783	33.06822	1.16555	ug/L	09/18/10	11:24	
61154-1	Cr	88.00770	88.14152	87.87389	0.21503	ug/L	09/18/10	11:24	
61154-1	Cu	62.66741	62.12577	63.20906	1.22232	ug/L	09/18/10	11:24	
61154-1	Fe	122058.47656	121775.25000	122341.70312	0.32815	ug/L	09/18/10	11:24	
61154-1	2Fe	122.03874	121.75749	122.31999	0.32591	mg/L	09/18/10	11:24	
61154-1	K	3182.59912	3177.70043	3187.49755	0.21767	ug/L	09/18/10	11:24	
61154-1	Mg	26315.14453	26261.23437	26369.05273	0.28971	ug/L	09/18/10	11:24	
61154-1	2Mg	26.28575	26.23317	26.33832	0.28286	mg/L	09/18/10	11:24	
61154-1	Mn	1678.32409	1674.81872	1681.82946	0.29537	ug/L	09/18/10	11:24	
61154-1	Mo	3.11032	4.32422	1.89641	55.19432	ug/L	09/18/10	11:24	
61154-1	Na	-440.42153	-611.03436	-269.80871	54.78455	ug/L	09/18/10	11:24	
61154-1	Ni	58.65459	57.77585	59.53333	2.11872	ug/L	09/18/10	11:24	
61154-1	Pb	71.22712	71.86240	70.59185	1.26133	ug/L	09/18/10	11:24	
61154-1	Se	2.06827	2.44417	1.69236	25.70323	ug/L	09/18/10	11:24	
61154-1	Sb	3.04617	1.82208	4.27027	56.82954	ug/L	09/18/10	11:24	
61154-1	Sn	18.07525	14.10844	22.04207	31.03648	ug/L	09/18/10	11:24	
61154-1	Sr	132.77485	132.35598	133.19372	0.44614	ug/L	09/18/10	11:24	
61154-1	Ti	4555.47265	4544.61132	4566.33398	0.33718	ug/L	09/18/10	11:24	
61154-1	Tl	3.05950	6.28634	-0.16733	149.15629	ug/L	09/18/10	11:24	
61154-1	V	232.41252	231.88223	232.94281	0.32267	ug/L	09/18/10	11:24	
61154-1	Zn	419.68975	418.48303	420.89648	0.40662	ug/L	09/18/10	11:24	
61154-1	2203/1	82.48082	84.11064	80.85100	2.79448	ug/L	09/18/10	11:24	
61154-1	2203/2	65.60871	65.74746	65.46997	0.29907	ug/L	09/18/10	11:24	
61154-1	1960/1	-0.39099	-0.65924	-0.12274	97.02506	ug/L	09/18/10	11:24	
61154-1	1960/2	3.29605	3.99356	2.59855	29.92716	ug/L	09/18/10	11:24	
61154-1	Y	1059.54260	1059.20214	1059.88305	0.04544		09/18/10	11:24	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61154-1L	Ag	0.04478	-0.11863	0.20820	516.06848	ug/L	09/18/10	11:30	
61154-1L	Al	12295.60546	12347.57910	12243.63281	0.59778	ug/L	09/18/10	11:30	
61154-1L	2Al	12.29593	12.34761	12.24425	0.59444	mg/L	09/18/10	11:30	
61154-1L	As	1.70238	4.17634	-0.77158	205.51884	ug/L	09/18/10	11:30	
61154-1L	B	4.61787	5.55892	3.67683	28.81922	ug/L	09/18/10	11:30	
61154-1L	Ba	29.40822	29.54852	29.26793	0.67467	ug/L	09/18/10	11:30	
61154-1L	Be	0.92232	0.92212	0.92251	0.02997	ug/L	09/18/10	11:30	
61154-1L	Ca	2700.74804	2707.90014	2693.59594	0.37451	ug/L	09/18/10	11:30	
61154-1L	Cd	-0.13956	-0.20842	-0.07069	69.78218	ug/L	09/18/10	11:30	
61154-1L	Co	6.52852	6.27015	6.78689	5.59683	ug/L	09/18/10	11:30	
61154-1L	Cr	17.98455	17.82888	18.14022	1.22411	ug/L	09/18/10	11:30	
61154-1L	Cu	12.33465	12.34141	12.32789	0.07755	ug/L	09/18/10	11:30	
61154-1L	Fe	24998.42773	25131.70898	24865.14648	0.75400	ug/L	09/18/10	11:30	
61154-1L	2Fe	24.99505	25.12781	24.86229	0.75116	mg/L	09/18/10	11:30	
61154-1L	K	628.53918	630.14868	626.92962	0.36214	ug/L	09/18/10	11:30	
61154-1L	Mg	5368.45410	5389.92187	5346.98583	0.56553	ug/L	09/18/10	11:30	
61154-1L	2Mg	5.36270	5.38414	5.34126	0.56538	mg/L	09/18/10	11:30	
61154-1L	Mn	344.51995	345.86093	343.17898	0.55045	ug/L	09/18/10	11:30	
61154-1L	Mo	0.28928	-0.20419	0.78276	241.24633	ug/L	09/18/10	11:30	
61154-1L	Na	-333.35278	-286.81365	-379.89190	19.74372	ug/L	09/18/10	11:30	
61154-1L	Ni	10.79349	10.46327	11.12371	4.32670	ug/L	09/18/10	11:30	
61154-1L	Pb	15.94740	16.73296	15.16183	6.96635	ug/L	09/18/10	11:30	
61154-1L	Se	4.99009	6.06193	3.91826	30.37626	ug/L	09/18/10	11:30	
61154-1L	Sb	2.60082	-0.78638	5.98803	184.18144	ug/L	09/18/10	11:30	
61154-1L	Sn	3.15202	4.96024	1.34379	81.12960	ug/L	09/18/10	11:30	
61154-1L	Sr	26.12793	26.25368	26.00219	0.68061	ug/L	09/18/10	11:30	
61154-1L	Ti	912.46337	915.33709	909.58966	0.44539	ug/L	09/18/10	11:30	
61154-1L	Tl	0.24601	1.36315	-0.87112	642.18084	ug/L	09/18/10	11:30	
61154-1L	V	45.20170	45.49892	44.90449	0.92989	ug/L	09/18/10	11:30	
61154-1L	Zn	86.93269	87.05384	86.81154	0.19708	ug/L	09/18/10	11:30	
61154-1L	2203/1	16.25305	15.60682	16.89927	5.62295	ug/L	09/18/10	11:30	
61154-1L	2203/2	15.79480	17.29518	14.29442	13.43390	ug/L	09/18/10	11:30	
61154-1L	1960/1	2.79564	-3.00929	8.60057	293.65039	ug/L	09/18/10	11:30	
61154-1L	1960/2	6.08567	10.59074	1.58061	104.69046	ug/L	09/18/10	11:30	
61154-1L	Y	1012.96807	1013.43951	1012.49664	0.06581		09/18/10	11:30	
61154-1A	Ag	44.75268	44.45792	45.04745	0.93147	ug/L	09/18/10	11:35	
61154-1A	Al	61307.50000	61143.30078	61471.69921	0.37876	ug/L	09/18/10	11:35	
61154-1A	2Al	61.30787	61.14347	61.47228	0.37924	mg/L	09/18/10	11:35	
61154-1A	As	1854.40893	1851.68969	1857.12817	0.20737	ug/L	09/18/10	11:35	
61154-1A	B	975.14044	972.11053	978.17034	0.43941	ug/L	09/18/10	11:35	
61154-1A	Ba	2032.33288	2028.13220	2036.53356	0.29230	ug/L	09/18/10	11:35	
61154-1A	Be	50.45230	50.44443	50.46017	0.02205	ug/L	09/18/10	11:35	
61154-1A	Ca	17674.88281	17653.06445	17696.69921	0.17456	ug/L	09/18/10	11:35	
61154-1A	Cd	45.90039	46.08863	45.71215	0.57997	ug/L	09/18/10	11:35	
61154-1A	Co	486.35870	485.80310	486.91427	0.16155	ug/L	09/18/10	11:35	
61154-1A	Cr	269.56121	268.98730	270.13510	0.30108	ug/L	09/18/10	11:35	
61154-1A	Cu	293.19891	292.69393	293.70385	0.24356	ug/L	09/18/10	11:35	
61154-1A	Fe	120228.89062	120048.71093	120409.06250	0.21193	ug/L	09/18/10	11:35	
61154-1A	2Fe	120.20941	120.02925	120.38957	0.21195	mg/L	09/18/10	11:35	
61154-1A	K	8080.18066	8066.87060	8093.49072	0.23295	ug/L	09/18/10	11:35	
61154-1A	Mg	30617.97265	30586.35546	30649.58789	0.14603	ug/L	09/18/10	11:35	
61154-1A	2Mg	30.58659	30.55501	30.61817	0.14600	mg/L	09/18/10	11:35	
61154-1A	Mn	2105.43505	2102.07055	2108.79931	0.22598	ug/L	09/18/10	11:35	
61154-1A	Mo	472.06579	470.64279	473.48883	0.42630	ug/L	09/18/10	11:35	
61154-1A	Na	4488.82324	4555.56738	4422.07958	2.10278	ug/L	09/18/10	11:35	
61154-1A	Ni	508.06005	508.27917	507.84094	0.06099	ug/L	09/18/10	11:35	
61154-1A	Pb	519.57812	517.30529	521.85101	0.61863	ug/L	09/18/10	11:35	
61154-1A	Se	1848.86083	1846.34472	1851.37695	0.19246	ug/L	09/18/10	11:35	
61154-1A	Sb	446.61596	448.11724	445.11471	0.47537	ug/L	09/18/10	11:35	
61154-1A	Sn	986.19329	983.53576	988.85083	0.38109	ug/L	09/18/10	11:35	
61154-1A	Sr	631.45727	629.99902	632.91546	0.32658	ug/L	09/18/10	11:35	
61154-1A	Ti	5341.31347	5331.79833	5350.82861	0.25193	ug/L	09/18/10	11:35	
61154-1A	Tl	1882.63049	1878.83264	1886.42834	0.28529	ug/L	09/18/10	11:35	
61154-1A	V	666.74780	665.90270	667.59283	0.17924	ug/L	09/18/10	11:35	
61154-1A	Zn	867.65393	867.06677	868.24114	0.09570	ug/L	09/18/10	11:35	
61154-1A	2203/1	530.41015	528.78155	532.03869	0.43421	ug/L	09/18/10	11:35	
61154-1A	2203/2	514.17028	511.57580	516.76477	0.71360	ug/L	09/18/10	11:35	
61154-1A	1960/1	1840.50366	1840.22326	1840.78405	0.02154	ug/L	09/18/10	11:35	
61154-1A	1960/2	1853.03320	1849.40075	1856.66552	0.27721	ug/L	09/18/10	11:35	
61154-1A	Y	1053.58874	1053.13476	1054.04272	0.06093		09/18/10	11:35	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61154-1S	Ag	47.86232	47.92769	47.79695	0.19314	ug/L	09/18/10	11:40	
61154-1S	Al	41865.10156	41915.53125	41814.66796	0.17035	ug/L	09/18/10	11:40	
61154-1S	2Al	41.86790	41.91797	41.81784	0.16910	mg/L	09/18/10	11:40	
61154-1S	As	1955.74743	1957.48071	1954.01416	0.12533	ug/L	09/18/10	11:40	
61154-1S	B	992.39208	990.90893	993.87518	0.21135	ug/L	09/18/10	11:40	
61154-1S	Ba	2112.51562	2112.49536	2112.53564	0.00134	ug/L	09/18/10	11:40	
61154-1S	Be	51.77201	51.69482	51.84918	0.21082	ug/L	09/18/10	11:40	
61154-1S	Ca	16940.51953	16923.31054	16957.72851	0.14366	ug/L	09/18/10	11:40	
61154-1S	Cd	48.98009	48.85822	49.10195	0.35187	ug/L	09/18/10	11:40	
61154-1S	Co	510.13470	509.43392	510.83544	0.19426	ug/L	09/18/10	11:40	
61154-1S	Cr	256.82714	256.13067	257.52365	0.38351	ug/L	09/18/10	11:40	
61154-1S	Cu	293.98883	294.14849	293.82916	0.07680	ug/L	09/18/10	11:40	
61154-1S	Fe	76474.70312	76432.56250	76516.84375	0.07792	ug/L	09/18/10	11:40	
61154-1S	2Fe	76.46682	76.42420	76.50945	0.07883	mg/L	09/18/10	11:40	
61154-1S	K	7829.56152	7818.49804	7840.62500	0.19983	ug/L	09/18/10	11:40	
61154-1S	Mg	20842.50781	20838.72265	20846.29296	0.02568	ug/L	09/18/10	11:40	
61154-1S	2Mg	20.82387	20.82009	20.82764	0.02565	mg/L	09/18/10	11:40	
61154-1S	Mn	1510.32897	1509.54931	1511.10864	0.07300	ug/L	09/18/10	11:40	
61154-1S	Mo	484.42333	485.62881	483.21789	0.35191	ug/L	09/18/10	11:40	
61154-1S	Na	4821.24902	4673.26464	4969.23339	4.34081	ug/L	09/18/10	11:40	
61154-1S	Ni	527.25378	525.25329	529.25433	0.53658	ug/L	09/18/10	11:40	
61154-1S	Pb	526.07067	525.91802	526.22332	0.04103	ug/L	09/18/10	11:40	
61154-1S	Se	1956.78710	1961.98291	1951.59143	0.37550	ug/L	09/18/10	11:40	
61154-1S	Sb	465.52221	468.82678	462.21768	1.00389	ug/L	09/18/10	11:40	
61154-1S	Sn	983.37536	983.77874	982.97192	0.05801	ug/L	09/18/10	11:40	
61154-1S	Sr	620.85424	621.38757	620.32086	0.12149	ug/L	09/18/10	11:40	
61154-1S	Ti	3691.45825	3691.10278	3691.81372	0.01361	ug/L	09/18/10	11:40	
61154-1S	Tl	1997.71276	1997.38110	1998.04443	0.02347	ug/L	09/18/10	11:40	
61154-1S	V	578.13946	577.89074	578.38818	0.06084	ug/L	09/18/10	11:40	
61154-1S	Zn	1310.26977	1311.24804	1309.29138	0.10559	ug/L	09/18/10	11:40	
61154-1S	2203/1	532.71923	532.92535	532.51318	0.05470	ug/L	09/18/10	11:40	
61154-1S	2203/2	522.75134	522.41961	523.08312	0.08975	ug/L	09/18/10	11:40	
61154-1S	1960/1	1939.67980	1940.35778	1939.00183	0.04943	ug/L	09/18/10	11:40	
61154-1S	1960/2	1965.32812	1972.77929	1957.87683	0.53617	ug/L	09/18/10	11:40	
61154-1S	Y	1060.68188	1062.68542	1058.67834	0.26713		09/18/10	11:40	
61154-1SD	Ag	50.16063	50.27105	50.05020	0.31132	ug/L	09/18/10	11:45	
61154-1SD	Al	38123.65625	38154.35546	38092.96093	0.11387	ug/L	09/18/10	11:45	
61154-1SD	2Al	38.12516	38.15399	38.09631	0.10698	mg/L	09/18/10	11:45	
61154-1SD	As	2043.93774	2043.58703	2044.28845	0.02426	ug/L	09/18/10	11:45	
61154-1SD	B	1040.76538	1044.72924	1036.80163	0.53861	ug/L	09/18/10	11:45	
61154-1SD	Ba	2214.28955	2217.79492	2210.78442	0.22387	ug/L	09/18/10	11:45	
61154-1SD	Be	54.20986	54.29829	54.12143	0.23069	ug/L	09/18/10	11:45	
61154-1SD	Ca	16352.96875	16369.73632	16336.20019	0.14501	ug/L	09/18/10	11:45	
61154-1SD	Cd	50.97433	50.95010	50.99856	0.06723	ug/L	09/18/10	11:45	
61154-1SD	Co	525.93066	527.09320	524.76818	0.31259	ug/L	09/18/10	11:45	
61154-1SD	Cr	277.31805	278.01934	276.61679	0.35762	ug/L	09/18/10	11:45	
61154-1SD	Cu	301.06695	300.73153	301.40240	0.15756	ug/L	09/18/10	11:45	
61154-1SD	Fe	67115.84375	67143.66406	67088.03125	0.05861	ug/L	09/18/10	11:45	
61154-1SD	2Fe	67.10754	67.13179	67.08329	0.05111	mg/L	09/18/10	11:45	
61154-1SD	K	7650.81738	7662.98681	7638.64794	0.22494	ug/L	09/18/10	11:45	
61154-1SD	Mg	18432.35937	18467.70312	18397.01367	0.27118	ug/L	09/18/10	11:45	
61154-1SD	2Mg	18.41596	18.45130	18.38064	0.27131	mg/L	09/18/10	11:45	
61154-1SD	Mn	1346.20239	1348.21398	1344.19067	0.21132	ug/L	09/18/10	11:45	
61154-1SD	Mo	512.64166	513.78491	511.49844	0.31538	ug/L	09/18/10	11:45	
61154-1SD	Na	5128.71240	5069.16113	5188.26367	1.64209	ug/L	09/18/10	11:45	
61154-1SD	Ni	539.13342	539.89312	538.37377	0.19927	ug/L	09/18/10	11:45	
61154-1SD	Pb	557.20391	555.22552	559.18231	0.50212	ug/L	09/18/10	11:45	
61154-1SD	Se	2032.55212	2031.45959	2033.64465	0.07601	ug/L	09/18/10	11:45	
61154-1SD	Sb	493.64697	493.45880	493.83517	0.05391	ug/L	09/18/10	11:45	
61154-1SD	Sn	1033.47338	1033.13854	1033.80822	0.04581	ug/L	09/18/10	11:45	
61154-1SD	Sr	678.87280	680.86499	676.88055	0.41501	ug/L	09/18/10	11:45	
61154-1SD	Ti	3699.34423	3704.45922	3694.22900	0.19554	ug/L	09/18/10	11:45	
61154-1SD	Tl	2095.75854	2100.97851	2090.53857	0.35224	ug/L	09/18/10	11:45	
61154-1SD	V	595.83325	596.12591	595.54052	0.06947	ug/L	09/18/10	11:45	
61154-1SD	Zn	990.02746	990.72186	989.33300	0.09919	ug/L	09/18/10	11:45	
61154-1SD	2203/1	561.77856	561.02551	562.53161	0.18957	ug/L	09/18/10	11:45	
61154-1SD	2203/2	554.91998	552.32983	557.51013	0.66009	ug/L	09/18/10	11:45	
61154-1SD	1960/1	2018.59143	2024.45056	2012.73229	0.41048	ug/L	09/18/10	11:45	
61154-1SD	1960/2	2039.52197	2034.95886	2044.08520	0.31641	ug/L	09/18/10	11:45	
61154-1SD	Y	1016.43389	1015.14184	1017.72595	0.17976		09/18/10	11:45	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	487.01818	487.52313	486.51324	0.14662	ug/L	09/18/10	11:50	
CCV	Al	4850.08496	4855.40722	4844.76269	0.15518	ug/L	09/18/10	11:50	
CCV	2Al	4.85052	4.85584	4.84519	0.15518	mg/L	09/18/10	11:50	
CCV	As	493.73608	495.59609	491.87609	0.53276	ug/L	09/18/10	11:50	
CCV	B	4929.87597	4931.12109	4928.63085	0.03571	ug/L	09/18/10	11:50	
CCV	Ba	4962.91210	4966.06396	4959.76074	0.08980	ug/L	09/18/10	11:50	
CCV	Be	492.91168	493.77301	492.05032	0.24712	ug/L	09/18/10	11:50	
CCV	Ca	4898.92822	4901.42724	4896.42919	0.07214	ug/L	09/18/10	11:50	
CCV	Cd	494.32226	493.60308	495.04147	0.20575	ug/L	09/18/10	11:50	
CCV	Co	487.84716	487.86132	487.83297	0.00410	ug/L	09/18/10	11:50	
CCV	Cr	4928.39843	4936.38574	4920.41064	0.22920	ug/L	09/18/10	11:50	
CCV	Cu	4917.84277	4922.56250	4913.12255	0.13573	ug/L	09/18/10	11:50	
CCV	Fe	4912.75976	4918.15673	4907.36279	0.15536	ug/L	09/18/10	11:50	
CCV	2Fe	4.91301	4.91841	4.90761	0.15534	mg/L	09/18/10	11:50	
CCV	K	9760.36718	9761.85449	9758.87890	0.02155	ug/L	09/18/10	11:50	
CCV	Mg	4905.80957	4906.53125	4905.08740	0.02081	ug/L	09/18/10	11:50	
CCV	2Mg	4.90582	4.90654	4.90509	0.02083	mg/L	09/18/10	11:50	
CCV	Mn	4938.23925	4942.55468	4933.92431	0.12357	ug/L	09/18/10	11:50	
CCV	Mo	496.29727	495.96524	496.62930	0.09461	ug/L	09/18/10	11:50	
CCV	Na	7200.00390	7121.90087	7278.10693	1.53408	ug/L	09/18/10	11:50	
CCV	Ni	2465.62353	2468.90942	2462.33740	0.18847	ug/L	09/18/10	11:50	
CCV	Pb	495.99200	493.51632	498.46768	0.70588	ug/L	09/18/10	11:50	
CCV	Se	4971.39257	4961.28808	4981.49658	0.28743	ug/L	09/18/10	11:50	
CCV	Sb	492.16009	496.40457	487.91561	1.21964	ug/L	09/18/10	11:50	
CCV	Sn	4926.51171	4931.23388	4921.78955	0.13555	ug/L	09/18/10	11:50	
CCV	Sr	2515.41992	2519.06738	2511.77270	0.20505	ug/L	09/18/10	11:50	
CCV	Ti	495.52069	496.15374	494.88760	0.18067	ug/L	09/18/10	11:50	
CCV	Tl	4972.24414	4981.41357	4963.07421	0.26080	ug/L	09/18/10	11:50	
CCV	V	4914.92968	4919.78076	4910.07910	0.13957	ug/L	09/18/10	11:50	
CCV	Zn	2478.29003	2479.63793	2476.94238	0.07690	ug/L	09/18/10	11:50	
CCV	2203/1	492.66552	487.49035	497.84072	1.48555	ug/L	09/18/10	11:50	
CCV	2203/2	497.64843	496.52050	498.77636	0.32053	ug/L	09/18/10	11:50	
CCV	1960/1	4945.47607	4947.23925	4943.71289	0.05042	ug/L	09/18/10	11:50	
CCV	1960/2	4984.33105	4968.30175	5000.36035	0.45480	ug/L	09/18/10	11:50	
CCV	Y	1024.15551	1024.84082	1023.47027	0.09462		09/18/10	11:50	
CCB	Ag	0.11645	-0.07156	0.30447	228.32884	ug/L	09/18/10	11:55	
CCB	Al	6.06885	4.32391	7.81379	40.66198	ug/L	09/18/10	11:55	
CCB	2Al	0.00606	0.00432	0.00781	40.66205	mg/L	09/18/10	11:55	
CCB	As	-2.14664	-3.68512	-0.60815	101.35570	ug/L	09/18/10	11:55	
CCB	B	17.28625	19.61306	14.95943	19.03602	ug/L	09/18/10	11:55	
CCB	Ba	0.62644	-0.15563	1.40851	176.55639	ug/L	09/18/10	11:55	
CCB	Be	0.04613	-0.01566	0.10793	189.45339	ug/L	09/18/10	11:55	
CCB	Ca	1.39751	-0.11748	2.91250	153.31010	ug/L	09/18/10	11:55	
CCB	Cd	-0.07776	-0.13048	-0.02503	95.89246	ug/L	09/18/10	11:55	
CCB	Co	-0.25998	-0.21313	-0.30683	25.48370	ug/L	09/18/10	11:55	
CCB	Cr	0.44501	-0.68605	1.57609	359.44338	ug/L	09/18/10	11:55	
CCB	Cu	0.45888	-0.06193	0.97970	160.50799	ug/L	09/18/10	11:55	
CCB	Fe	9.78410	3.08852	16.47969	96.77923	ug/L	09/18/10	11:55	
CCB	2Fe	0.00978	0.00308	0.01647	96.77979	mg/L	09/18/10	11:55	
CCB	K	-11.19319	-23.68835	1.30196	157.87115	ug/L	09/18/10	11:55	
CCB	Mg	-0.00469	1.32860	-1.33799	40168.31250	ug/L	09/18/10	11:55	
CCB	2Mg	0.00000	0.00132	-0.00133	30785.79492	mg/L	09/18/10	11:55	
CCB	Mn	0.62440	0.00587	1.24292	140.09002	ug/L	09/18/10	11:55	
CCB	Mo	0.18321	-1.27317	1.63959	1124.17602	ug/L	09/18/10	11:55	
CCB	Na	-112.29631	-277.13354	52.54092	207.58923	ug/L	09/18/10	11:55	
CCB	Ni	0.95220	0.55547	1.34892	58.92204	ug/L	09/18/10	11:55	
CCB	Pb	0.83190	-0.92287	2.58667	298.30679	ug/L	09/18/10	11:55	
CCB	Se	1.91862	-0.39579	4.23304	170.59559	ug/L	09/18/10	11:55	
CCB	Sb	0.75236	-1.40212	2.90685	404.97772	ug/L	09/18/10	11:55	
CCB	Sn	-0.73086	0.99155	-2.45328	333.28475	ug/L	09/18/10	11:55	
CCB	Sr	0.31738	-0.03326	0.66804	156.24346	ug/L	09/18/10	11:55	
CCB	Ti	0.37373	0.25865	0.48882	43.54784	ug/L	09/18/10	11:55	
CCB	Tl	2.54650	3.06074	2.03226	28.55868	ug/L	09/18/10	11:55	
CCB	V	1.31640	0.39263	2.24016	99.24044	ug/L	09/18/10	11:55	
CCB	Zn	0.16245	0.05229	0.27261	95.89466	ug/L	09/18/10	11:55	
CCB	2203/1	0.55171	-1.08538	2.18882	419.63848	ug/L	09/18/10	11:55	
CCB	2203/2	0.97178	-0.84173	2.78530	263.91632	ug/L	09/18/10	11:55	
CCB	1960/1	0.38948	0.25224	0.52672	49.83149	ug/L	09/18/10	11:55	
CCB	1960/2	2.68204	-0.71933	6.08342	179.35107	ug/L	09/18/10	11:55	
CCB	Y	1004.93652	1004.27301	1005.59997	0.09336		09/18/10	11:55	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBS 180131	Ag	0.11376	-0.02571	0.25323	173.39132	ug/L	09/18/10	12:01	
PBS 180131	Al	6.18150	8.87438	3.48862	61.60816	ug/L	09/18/10	12:01	
PBS 180131	2Al	0.00618	0.00887	0.00348	61.60815	mg/L	09/18/10	12:01	
PBS 180131	As	-0.41729	0.96365	-1.79823	468.00637	ug/L	09/18/10	12:01	
PBS 180131	B	6.14911	7.26058	5.03764	25.56232	ug/L	09/18/10	12:01	
PBS 180131	Ba	-0.10219	-0.16604	-0.03834	88.35765	ug/L	09/18/10	12:01	
PBS 180131	Be	-0.00128	-0.00114	-0.00142	15.30123	ug/L	09/18/10	12:01	
PBS 180131	Ca	10.53054	10.00984	11.05125	6.99285	ug/L	09/18/10	12:01	
PBS 180131	Cd	-0.12994	-0.00247	-0.25742	138.72656	ug/L	09/18/10	12:01	
PBS 180131	Co	-0.32583	-0.11703	-0.53463	90.62410	ug/L	09/18/10	12:01	
PBS 180131	Cr	1.20547	1.00349	1.40744	23.69484	ug/L	09/18/10	12:01	
PBS 180131	Cu	-0.72788	-1.11176	-0.34400	74.58457	ug/L	09/18/10	12:01	
PBS 180131	Fe	34.50890	45.65854	23.35926	45.69246	ug/L	09/18/10	12:01	
PBS 180131	2Fe	0.03450	0.04565	0.02335	45.69279	mg/L	09/18/10	12:01	
PBS 180131	K	-4.03703	-11.80748	3.73341	272.20642	ug/L	09/18/10	12:01	
PBS 180131	Mg	0.01277	1.33892	-1.31336	14675.75292	ug/L	09/18/10	12:01	
PBS 180131	2Mg	0.00000	0.00133	-0.00131	27220.07421	mg/L	09/18/10	12:01	
PBS 180131	Mn	0.37112	0.38209	0.36015	4.17904	ug/L	09/18/10	12:01	
PBS 180131	Mo	-1.71206	-1.88707	-1.53705	14.45624	ug/L	09/18/10	12:01	
PBS 180131	Na	-277.26333	-321.60501	-232.92167	22.61697	ug/L	09/18/10	12:01	
PBS 180131	Ni	-0.16555	-0.69170	0.36058	449.43212	ug/L	09/18/10	12:01	
PBS 180131	Pb	0.73941	-0.23169	1.71052	185.73493	ug/L	09/18/10	12:01	
PBS 180131	Se	0.09074	1.83911	-1.65761	2724.59521	ug/L	09/18/10	12:01	
PBS 180131	Sb	-2.50002	-2.92448	-2.07555	24.01127	ug/L	09/18/10	12:01	
PBS 180131	Sn	12.37678	12.09224	12.66132	3.25120	ug/L	09/18/10	12:01	
PBS 180131	Sr	-0.00743	-0.02053	0.00565	248.95281	ug/L	09/18/10	12:01	
PBS 180131	Ti	0.15836	0.30303	0.01370	129.18296	ug/L	09/18/10	12:01	
PBS 180131	Tl	4.38379	5.60396	3.16363	39.36255	ug/L	09/18/10	12:01	
PBS 180131	V	0.30073	0.15240	0.44907	69.75531	ug/L	09/18/10	12:01	
PBS 180131	Zn	1.71715	1.77011	1.66419	4.36173	ug/L	09/18/10	12:01	
PBS 180131	2203/1	1.49323	0.85459	2.13187	60.48410	ug/L	09/18/10	12:01	
PBS 180131	2203/2	0.36307	-0.77402	1.50016	442.91439	ug/L	09/18/10	12:01	
PBS 180131	1960/1	-1.14565	3.50001	-5.79132	573.46917	ug/L	09/18/10	12:01	
PBS 180131	1960/2	0.70802	1.00990	0.40614	60.29745	ug/L	09/18/10	12:01	
PBS 180131	Y	1017.27636	1017.53387	1017.01879	0.03580		09/18/10	12:01	
LCSS-1	Ag	51.07144	49.95668	52.18621	3.08688	ug/L	09/18/10	12:06	
LCSS-1	Al	2050.47363	2049.55322	2051.39428	0.06348	ug/L	09/18/10	12:06	
LCSS-1	2Al	2.05047	2.04955	2.05139	0.06344	mg/L	09/18/10	12:06	
LCSS-1	As	2091.12817	2089.60009	2092.65625	0.10334	ug/L	09/18/10	12:06	
LCSS-1	B	1058.97607	1058.20483	1059.74743	0.10300	ug/L	09/18/10	12:06	
LCSS-1	Ba	2140.93310	2141.70117	2140.16503	0.05073	ug/L	09/18/10	12:06	
LCSS-1	Be	52.42803	52.46346	52.39261	0.09556	ug/L	09/18/10	12:06	
LCSS-1	Ca	5232.07031	5228.56738	5235.57373	0.09468	ug/L	09/18/10	12:06	
LCSS-1	Cd	52.98056	52.80768	53.15342	0.46143	ug/L	09/18/10	12:06	
LCSS-1	Co	525.71582	526.61224	524.81933	0.24115	ug/L	09/18/10	12:06	
LCSS-1	Cr	212.50471	212.14665	212.86277	0.23828	ug/L	09/18/10	12:06	
LCSS-1	Cu	273.57116	273.95858	273.18377	0.20026	ug/L	09/18/10	12:06	
LCSS-1	Fe	1072.01721	1066.76025	1077.27416	0.69350	ug/L	09/18/10	12:06	
LCSS-1	2Fe	1.07215	1.06690	1.07741	0.69333	mg/L	09/18/10	12:06	
LCSS-1	K	5051.62500	5054.85693	5048.39355	0.09047	ug/L	09/18/10	12:06	
LCSS-1	Mg	5263.38281	5256.62597	5270.14013	0.18155	ug/L	09/18/10	12:06	
LCSS-1	2Mg	5.26195	5.25519	5.26870	0.18152	mg/L	09/18/10	12:06	
LCSS-1	Mn	531.13269	530.86138	531.40399	0.07223	ug/L	09/18/10	12:06	
LCSS-1	Mo	532.52197	531.16186	533.88208	0.36120	ug/L	09/18/10	12:06	
LCSS-1	Na	5050.22460	5194.42919	4906.02050	4.03815	ug/L	09/18/10	12:06	
LCSS-1	Ni	527.22247	526.55981	527.88513	0.17775	ug/L	09/18/10	12:06	
LCSS-1	Pb	521.56604	519.02453	524.10754	0.68912	ug/L	09/18/10	12:06	
LCSS-1	Se	2093.33837	2090.95996	2095.71704	0.16068	ug/L	09/18/10	12:06	
LCSS-1	Sb	502.03411	502.03274	502.03549	0.00038	ug/L	09/18/10	12:06	
LCSS-1	Sn	1064.32983	1063.73925	1064.92028	0.07846	ug/L	09/18/10	12:06	
LCSS-1	Sr	551.91638	552.18328	551.64953	0.06838	ug/L	09/18/10	12:06	
LCSS-1	Ti	740.90856	740.44873	741.36840	0.08777	ug/L	09/18/10	12:06	
LCSS-1	Tl	2172.33764	2169.92944	2174.74584	0.15677	ug/L	09/18/10	12:06	
LCSS-1	V	518.17700	517.83770	518.51635	0.09260	ug/L	09/18/10	12:06	
LCSS-1	Zn	533.59094	533.04223	534.13970	0.14543	ug/L	09/18/10	12:06	
LCSS-1	2203/1	515.89086	515.88873	515.89306	0.00059	ug/L	09/18/10	12:06	
LCSS-1	2203/2	524.39935	520.59008	528.20861	1.02729	ug/L	09/18/10	12:06	
LCSS-1	1960/1	2075.72143	2071.69384	2079.74902	0.27440	ug/L	09/18/10	12:06	
LCSS-1	1960/2	2102.13330	2100.57812	2103.68847	0.10462	ug/L	09/18/10	12:06	
LCSS-1	Y	998.86914	1001.68890	996.04931	0.39923		09/18/10	12:06	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61109-1	Ag	0.47395	0.70176	0.24614	67.97542	ug/L	09/18/10	12:11	
61109-1	Al	42075.93750	42129.53515	42022.33984	0.18014	ug/L	09/18/10	12:11	
61109-1	2Al	42.07740	42.12927	42.02552	0.17436	mg/L	09/18/10	12:11	
61109-1	As	7.38647	9.05443	5.71850	31.93479	ug/L	09/18/10	12:11	
61109-1	B	13.88052	14.58501	13.17604	7.17759	ug/L	09/18/10	12:11	
61109-1	Ba	152.28515	152.42105	152.14927	0.12619	ug/L	09/18/10	12:11	
61109-1	Be	3.45082	3.46993	3.43171	0.78325	ug/L	09/18/10	12:11	
61109-1	Ca	12637.39843	12648.33496	12626.46093	0.12239	ug/L	09/18/10	12:11	
61109-1	Cd	-0.10738	-0.27808	0.06331	224.80308	ug/L	09/18/10	12:11	
61109-1	Co	31.42003	31.90508	30.93499	2.18318	ug/L	09/18/10	12:11	
61109-1	Cr	64.08796	64.36167	63.81425	0.60398	ug/L	09/18/10	12:11	
61109-1	Cu	52.60398	53.04999	52.15795	1.19908	ug/L	09/18/10	12:11	
61109-1	Fe	70190.64062	70247.52343	70133.75000	0.11461	ug/L	09/18/10	12:11	
61109-1	2Fe	70.18147	70.23535	70.12757	0.10859	mg/L	09/18/10	12:11	
61109-1	K	3981.63916	3989.67797	3973.60009	0.28553	ug/L	09/18/10	12:11	
61109-1	Mg	18361.58203	18371.86523	18351.29882	0.07920	ug/L	09/18/10	12:11	
61109-1	2Mg	18.34456	18.35483	18.33429	0.07918	mg/L	09/18/10	12:11	
61109-1	Mn	1112.76708	1113.09069	1112.44360	0.04111	ug/L	09/18/10	12:11	
61109-1	Mo	1.93671	0.97243	2.90099	70.41295	ug/L	09/18/10	12:11	
61109-1	Na	-44.92358	-138.97358	49.12641	296.07339	ug/L	09/18/10	12:11	
61109-1	Ni	47.78491	48.54944	47.02038	2.26265	ug/L	09/18/10	12:11	
61109-1	Pb	45.82808	46.47954	45.17662	2.01034	ug/L	09/18/10	12:11	
61109-1	Se	2.27512	-0.25103	4.80129	157.02574	ug/L	09/18/10	12:11	
61109-1	Sb	3.53021	4.09946	2.96096	22.80430	ug/L	09/18/10	12:11	
61109-1	Sn	19.13157	24.40425	13.85888	38.97589	ug/L	09/18/10	12:11	
61109-1	Sr	113.77428	113.85523	113.69332	0.10062	ug/L	09/18/10	12:11	
61109-1	Ti	3700.96533	3700.86474	3701.06591	0.00384	ug/L	09/18/10	12:11	
61109-1	Tl	6.10485	8.64151	3.56819	58.76266	ug/L	09/18/10	12:11	
61109-1	V	106.16111	107.22300	105.09922	1.41458	ug/L	09/18/10	12:11	
61109-1	Zn	286.90283	286.81405	286.99163	0.04376	ug/L	09/18/10	12:11	
61109-1	2203/1	55.30001	56.11649	54.48353	2.08802	ug/L	09/18/10	12:11	
61109-1	2203/2	41.09922	41.66830	40.53015	1.95817	ug/L	09/18/10	12:11	
61109-1	1960/1	-0.68109	-2.55508	1.19290	389.11395	ug/L	09/18/10	12:11	
61109-1	1960/2	3.75102	0.89926	6.60277	107.51731	ug/L	09/18/10	12:11	
61109-1	Y	1037.02795	1037.25488	1036.80102	0.03094		09/18/10	12:11	
61109-2	Ag	-0.47627	-0.83390	-0.11863	106.19314	ug/L	09/18/10	12:16	
61109-2	Al	40317.48437	40213.64453	40421.32031	0.36423	ug/L	09/18/10	12:16	
61109-2	2Al	40.31995	40.21553	40.42436	0.36622	mg/L	09/18/10	12:16	
61109-2	As	7.35286	4.71840	9.98733	50.66992	ug/L	09/18/10	12:16	
61109-2	B	10.82769	11.61842	10.03696	10.32776	ug/L	09/18/10	12:16	
61109-2	Ba	119.29272	119.05588	119.52956	0.28077	ug/L	09/18/10	12:16	
61109-2	Be	3.28784	3.28514	3.29054	0.11612	ug/L	09/18/10	12:16	
61109-2	Ca	23047.44921	23000.49804	23094.40234	0.28810	ug/L	09/18/10	12:16	
61109-2	Cd	14.30739	14.27803	14.33675	0.29018	ug/L	09/18/10	12:16	
61109-2	Co	27.09992	27.51793	26.68192	2.18137	ug/L	09/18/10	12:16	
61109-2	Cr	65.06384	65.23843	64.88925	0.37948	ug/L	09/18/10	12:16	
61109-2	Cu	65.17301	64.86122	65.48480	0.67656	ug/L	09/18/10	12:16	
61109-2	Fe	77949.56250	77677.74218	78221.38281	0.49315	ug/L	09/18/10	12:16	
61109-2	2Fe	77.94087	77.66810	78.21364	0.49493	mg/L	09/18/10	12:16	
61109-2	K	2951.58447	2948.83154	2954.33715	0.13189	ug/L	09/18/10	12:16	
61109-2	Mg	20870.09375	20817.93750	20922.24804	0.35341	ug/L	09/18/10	12:16	
61109-2	2Mg	20.85102	20.79893	20.90311	0.35332	mg/L	09/18/10	12:16	
61109-2	Mn	1157.94433	1154.90173	1160.98681	0.37158	ug/L	09/18/10	12:16	
61109-2	Mo	6.33679	6.08625	6.58732	5.59133	ug/L	09/18/10	12:16	
61109-2	Na	-261.43817	-276.67919	-246.19715	8.24441	ug/L	09/18/10	12:16	
61109-2	Ni	49.32467	48.75109	49.89825	1.64453	ug/L	09/18/10	12:16	
61109-2	Pb	80.92783	80.57358	81.28208	0.61904	ug/L	09/18/10	12:16	
61109-2	Se	3.57662	1.70715	5.44608	73.91940	ug/L	09/18/10	12:16	
61109-2	Sb	2.68579	-0.52348	5.89508	168.98554	ug/L	09/18/10	12:16	
61109-2	Sn	17.33675	15.65008	19.02342	13.75868	ug/L	09/18/10	12:16	
61109-2	Sr	290.73748	290.34271	291.13226	0.19202	ug/L	09/18/10	12:16	
61109-2	Ti	3598.20312	3588.60327	3607.80297	0.37730	ug/L	09/18/10	12:16	
61109-2	Tl	5.55965	4.76432	6.35498	20.23080	ug/L	09/18/10	12:16	
61109-2	V	118.02680	118.05424	117.99937	0.03287	ug/L	09/18/10	12:16	
61109-2	Zn	1090.09790	1086.54187	1093.65380	0.46132	ug/L	09/18/10	12:16	
61109-2	2203/1	87.44721	87.45751	87.43693	0.01663	ug/L	09/18/10	12:16	
61109-2	2203/2	77.67301	77.13677	78.20926	0.97635	ug/L	09/18/10	12:16	
61109-2	1960/1	4.53913	5.11144	3.96681	17.83104	ug/L	09/18/10	12:16	
61109-2	1960/2	3.09608	0.00756	6.18460	141.07568	ug/L	09/18/10	12:16	
61109-2	Y	1055.22119	1057.53466	1052.90783	0.31004		09/18/10	12:16	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61109-2L	Ag	-0.09570	0.25114	-0.44255	512.52612	ug/L	09/18/10	12:21	
61109-2L	Al	8206.58007	8240.31152	8172.84863	0.58128	ug/L	09/18/10	12:21	
61109-2L	2Al	8.20690	8.24092	8.17287	0.58634	mg/L	09/18/10	12:21	
61109-2L	As	-0.72677	-2.54202	1.08847	353.22467	ug/L	09/18/10	12:21	
61109-2L	B	4.42167	3.88286	4.96049	17.23322	ug/L	09/18/10	12:21	
61109-2L	Ba	24.03710	24.09390	23.98029	0.33421	ug/L	09/18/10	12:21	
61109-2L	Be	0.66148	0.65817	0.66479	0.70762	ug/L	09/18/10	12:21	
61109-2L	Ca	4708.90625	4723.50634	4694.30664	0.43847	ug/L	09/18/10	12:21	
61109-2L	Cd	2.64562	2.72089	2.57035	4.02343	ug/L	09/18/10	12:21	
61109-2L	Co	5.07764	4.86167	5.29362	6.01530	ug/L	09/18/10	12:21	
61109-2L	Cr	13.36488	13.61255	13.11721	2.62071	ug/L	09/18/10	12:21	
61109-2L	Cu	12.73693	12.72455	12.74930	0.13738	ug/L	09/18/10	12:21	
61109-2L	Fe	15946.48828	16000.46679	15892.50878	0.47871	ug/L	09/18/10	12:21	
61109-2L	2Fe	15.94480	15.99928	15.89032	0.48320	mg/L	09/18/10	12:21	
61109-2L	K	586.15362	580.77075	591.53649	1.29872	ug/L	09/18/10	12:21	
61109-2L	Mg	4267.55664	4279.73388	4255.37988	0.40353	ug/L	09/18/10	12:21	
61109-2L	2Mg	4.26365	4.27582	4.25149	0.40347	mg/L	09/18/10	12:21	
61109-2L	Mn	237.34939	238.08786	236.61094	0.43999	ug/L	09/18/10	12:21	
61109-2L	Mo	-0.41191	0.70586	-1.52969	383.76101	ug/L	09/18/10	12:21	
61109-2L	Na	-232.28802	-348.16943	-116.40660	70.55080	ug/L	09/18/10	12:21	
61109-2L	Ni	9.84345	10.86808	8.81881	14.72097	ug/L	09/18/10	12:21	
61109-2L	Pb	14.81041	15.07410	14.54673	2.51788	ug/L	09/18/10	12:21	
61109-2L	Se	2.69603	2.47001	2.92205	11.85607	ug/L	09/18/10	12:21	
61109-2L	Sb	-0.16186	-2.28257	1.95884	1852.89855	ug/L	09/18/10	12:21	
61109-2L	Sn	2.91566	3.83032	2.00100	44.36455	ug/L	09/18/10	12:21	
61109-2L	Sr	59.44333	59.61258	59.27408	0.40265	ug/L	09/18/10	12:21	
61109-2L	Ti	733.48767	736.64318	730.33221	0.60839	ug/L	09/18/10	12:21	
61109-2L	Tl	4.21293	0.83645	7.58942	113.34302	ug/L	09/18/10	12:21	
61109-2L	V	24.71716	24.19089	25.24343	3.01111	ug/L	09/18/10	12:21	
61109-2L	Zn	226.36672	226.80488	225.92855	0.27374	ug/L	09/18/10	12:21	
61109-2L	2203/1	15.85596	17.28330	14.42863	12.73058	ug/L	09/18/10	12:21	
61109-2L	2203/2	14.28842	13.97115	14.60569	3.14018	ug/L	09/18/10	12:21	
61109-2L	1960/1	-0.53922	-1.51851	0.44006	256.83645	ug/L	09/18/10	12:21	
61109-2L	1960/2	4.31124	4.46128	4.16119	4.92200	ug/L	09/18/10	12:21	
61109-2L	Y	1022.23059	1022.78930	1021.67187	0.07729		09/18/10	12:21	
61109-2A	Ag	47.97132	47.51160	48.43104	1.35527	ug/L	09/18/10	12:26	
61109-2A	Al	41913.94140	41910.66015	41917.22265	0.01107	ug/L	09/18/10	12:26	
61109-2A	2Al	41.91606	41.91136	41.92077	0.01587	mg/L	09/18/10	12:26	
61109-2A	As	1946.11914	1938.52917	1953.70910	0.55155	ug/L	09/18/10	12:26	
61109-2A	B	997.59423	993.73846	1001.45007	0.54660	ug/L	09/18/10	12:26	
61109-2A	Ba	2111.16064	2105.52246	2116.79882	0.37768	ug/L	09/18/10	12:26	
61109-2A	Be	51.84889	51.62796	52.06983	0.60260	ug/L	09/18/10	12:26	
61109-2A	Ca	27688.91796	27621.70703	27756.12695	0.34327	ug/L	09/18/10	12:26	
61109-2A	Cd	62.51810	62.13978	62.89641	0.85578	ug/L	09/18/10	12:26	
61109-2A	Co	506.79052	504.76632	508.81472	0.56485	ug/L	09/18/10	12:26	
61109-2A	Cr	259.92633	258.79656	261.05606	0.61467	ug/L	09/18/10	12:26	
61109-2A	Cu	310.41217	309.49783	311.32653	0.41657	ug/L	09/18/10	12:26	
61109-2A	Fe	77858.73437	77710.29687	78007.16406	0.26961	ug/L	09/18/10	12:26	
61109-2A	2Fe	77.84973	77.69884	78.00061	0.27409	mg/L	09/18/10	12:26	
61109-2A	K	7928.94628	7913.62792	7944.26513	0.27322	ug/L	09/18/10	12:26	
61109-2A	Mg	25596.79296	25544.05468	25649.53125	0.29137	ug/L	09/18/10	12:26	
61109-2A	2Mg	25.57662	25.52392	25.62932	0.29138	mg/L	09/18/10	12:26	
61109-2A	Mn	1630.71801	1627.09533	1634.34082	0.31417	ug/L	09/18/10	12:26	
61109-2A	Mo	487.52056	488.26196	486.77920	0.21506	ug/L	09/18/10	12:26	
61109-2A	Na	4776.44140	4756.40185	4796.48144	0.59334	ug/L	09/18/10	12:26	
61109-2A	Ni	526.26489	525.33337	527.19647	0.25033	ug/L	09/18/10	12:26	
61109-2A	Pb	554.11267	551.95501	556.27032	0.55067	ug/L	09/18/10	12:26	
61109-2A	Se	1945.85888	1942.63745	1949.08032	0.23412	ug/L	09/18/10	12:26	
61109-2A	Sb	470.54779	466.06909	475.02651	1.34606	ug/L	09/18/10	12:26	
61109-2A	Sn	1004.08276	1002.46948	1005.69610	0.22722	ug/L	09/18/10	12:26	
61109-2A	Sr	803.18768	802.46978	803.90557	0.12640	ug/L	09/18/10	12:26	
61109-2A	Ti	4537.16894	4527.53613	4546.80126	0.30024	ug/L	09/18/10	12:26	
61109-2A	Tl	1995.61376	1983.71777	2007.50976	0.84302	ug/L	09/18/10	12:26	
61109-2A	V	593.75396	591.60644	595.90148	0.51150	ug/L	09/18/10	12:26	
61109-2A	Zn	1558.42980	1554.66662	1562.19299	0.34149	ug/L	09/18/10	12:26	
61109-2A	2203/1	558.86926	555.03979	562.69879	0.96905	ug/L	09/18/10	12:26	
61109-2A	2203/2	551.73791	550.41497	553.06091	0.33910	ug/L	09/18/10	12:26	
61109-2A	1960/1	1934.20104	1935.51403	1932.88806	0.09600	ug/L	09/18/10	12:26	
61109-2A	1960/2	1951.67907	1946.19384	1957.16430	0.39746	ug/L	09/18/10	12:26	
61109-2A	Y	1044.05566	1047.15478	1040.95642	0.41979		09/18/10	12:26	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61109-2S	Ag	48.72998	48.33280	49.12715	1.15266	ug/L	09/18/10	12:31	
61109-2S	Al	37568.84375	37385.38671	37752.29687	0.69058	ug/L	09/18/10	12:31	
61109-2S	2Al	37.57234	37.38867	37.75601	0.69132	mg/L	09/18/10	12:31	
61109-2S	As	1955.17309	1946.46008	1963.88610	0.63022	ug/L	09/18/10	12:31	
61109-2S	B	1009.25921	1003.77935	1014.73907	0.76785	ug/L	09/18/10	12:31	
61109-2S	Ba	2143.33886	2133.45410	2153.22338	0.65220	ug/L	09/18/10	12:31	
61109-2S	Be	52.72574	52.52254	52.92893	0.54501	ug/L	09/18/10	12:31	
61109-2S	Ca	29644.64843	29524.04492	29765.25390	0.57535	ug/L	09/18/10	12:31	
61109-2S	Cd	64.01074	63.72785	64.29364	0.62501	ug/L	09/18/10	12:31	
61109-2S	Co	505.78961	503.42578	508.15341	0.66093	ug/L	09/18/10	12:31	
61109-2S	Cr	245.74288	244.76477	246.72102	0.56289	ug/L	09/18/10	12:31	
61109-2S	Cu	309.47457	308.32736	310.62179	0.52424	ug/L	09/18/10	12:31	
61109-2S	Fe	64240.50781	63930.62109	64550.39453	0.68219	ug/L	09/18/10	12:31	
61109-2S	2Fe	64.23596	63.92610	64.54583	0.68219	mg/L	09/18/10	12:31	
61109-2S	K	7314.48291	7293.94384	7335.02197	0.39711	ug/L	09/18/10	12:31	
61109-2S	Mg	18323.12109	18232.52148	18413.72070	0.69926	ug/L	09/18/10	12:31	
61109-2S	2Mg	18.30731	18.21679	18.39783	0.69927	mg/L	09/18/10	12:31	
61109-2S	Mn	1444.09375	1436.99621	1451.19128	0.69506	ug/L	09/18/10	12:31	
61109-2S	Mo	497.64913	495.14990	500.14837	0.71023	ug/L	09/18/10	12:31	
61109-2S	Na	4674.36962	4761.35107	4587.38818	2.63159	ug/L	09/18/10	12:31	
61109-2S	Ni	520.18267	517.84667	522.51867	0.63508	ug/L	09/18/10	12:31	
61109-2S	Pb	558.34912	553.62731	563.07098	1.19596	ug/L	09/18/10	12:31	
61109-2S	Se	1946.24987	1938.30603	1954.19372	0.57722	ug/L	09/18/10	12:31	
61109-2S	Sb	470.87988	473.15267	468.60708	0.68259	ug/L	09/18/10	12:31	
61109-2S	Sn	991.37280	988.68969	994.05584	0.38274	ug/L	09/18/10	12:31	
61109-2S	Sr	933.32019	929.70379	936.93664	0.54797	ug/L	09/18/10	12:31	
61109-2S	Ti	3877.13330	3858.68164	3895.58496	0.67303	ug/L	09/18/10	12:31	
61109-2S	Tl	2017.46166	2010.59814	2024.32531	0.48112	ug/L	09/18/10	12:31	
61109-2S	V	566.52673	564.25762	568.79583	0.56643	ug/L	09/18/10	12:31	
61109-2S	Zn	1431.56250	1423.69653	1439.42834	0.77705	ug/L	09/18/10	12:31	
61109-2S	2203/1	559.62292	557.80102	561.44488	0.46041	ug/L	09/18/10	12:31	
61109-2S	2203/2	557.71319	551.54357	563.88281	1.56445	ug/L	09/18/10	12:31	
61109-2S	1960/1	1929.87683	1911.18457	1948.56909	1.36976	ug/L	09/18/10	12:31	
61109-2S	1960/2	1954.42407	1951.84631	1957.00170	0.18652	ug/L	09/18/10	12:31	
61109-2S	Y	1014.28198	1016.72198	1011.84191	0.34021		09/18/10	12:31	
61109-2SD	Ag	51.55635	51.96046	51.15224	1.10850	ug/L	09/18/10	12:37	
61109-2SD	Al	50450.19531	50508.52343	50391.87109	0.16349	ug/L	09/18/10	12:37	
61109-2SD	2Al	50.45016	50.50809	50.39222	0.16241	mg/L	09/18/10	12:37	
61109-2SD	As	2078.19897	2077.03149	2079.36645	0.07944	ug/L	09/18/10	12:37	
61109-2SD	B	1078.58081	1078.71057	1078.45104	0.01701	ug/L	09/18/10	12:37	
61109-2SD	Ba	2280.10937	2282.97631	2277.24218	0.17782	ug/L	09/18/10	12:37	
61109-2SD	Be	55.67585	55.65357	55.69814	0.05661	ug/L	09/18/10	12:37	
61109-2SD	Ca	35116.01171	35131.60156	35100.42187	0.06278	ug/L	09/18/10	12:37	
61109-2SD	Cd	76.47074	76.47711	76.46436	0.01179	ug/L	09/18/10	12:37	
61109-2SD	Co	546.43341	547.59051	545.27630	0.29946	ug/L	09/18/10	12:37	
61109-2SD	Cr	280.51580	280.98754	280.04406	0.23782	ug/L	09/18/10	12:37	
61109-2SD	Cu	344.02960	344.34930	343.70986	0.13142	ug/L	09/18/10	12:37	
61109-2SD	Fe	86877.35937	86929.77343	86824.94531	0.08532	ug/L	09/18/10	12:37	
61109-2SD	2Fe	86.86315	86.91455	86.81175	0.08368	mg/L	09/18/10	12:37	
61109-2SD	K	8709.22265	8713.29296	8705.15136	0.06610	ug/L	09/18/10	12:37	
61109-2SD	Mg	25957.42968	25970.60156	25944.25976	0.07175	ug/L	09/18/10	12:37	
61109-2SD	2Mg	25.93440	25.94625	25.92254	0.06464	mg/L	09/18/10	12:37	
61109-2SD	Mn	1915.80419	1916.88391	1914.72460	0.07969	ug/L	09/18/10	12:37	
61109-2SD	Mo	526.79748	525.43273	528.16229	0.36638	ug/L	09/18/10	12:37	
61109-2SD	Na	5111.85498	5280.84228	4942.86767	4.67509	ug/L	09/18/10	12:37	
61109-2SD	Ni	565.53686	566.35968	564.71411	0.20575	ug/L	09/18/10	12:37	
61109-2SD	Pb	611.14807	613.18670	609.10937	0.47175	ug/L	09/18/10	12:37	
61109-2SD	Se	2082.85253	2086.90893	2078.79638	0.27541	ug/L	09/18/10	12:37	
61109-2SD	Sb	490.83590	491.69909	489.97271	0.24870	ug/L	09/18/10	12:37	
61109-2SD	Sn	1061.08618	1065.48828	1056.68395	0.58671	ug/L	09/18/10	12:37	
61109-2SD	Sr	944.29223	942.94622	945.63818	0.20157	ug/L	09/18/10	12:37	
61109-2SD	Ti	4277.06298	4281.35156	4272.77441	0.14180	ug/L	09/18/10	12:37	
61109-2SD	Tl	2140.61425	2141.05053	2140.17797	0.02882	ug/L	09/18/10	12:37	
61109-2SD	V	629.83715	630.19720	629.47711	0.08084	ug/L	09/18/10	12:37	
61109-2SD	Zn	1843.19921	1844.09667	1842.30187	0.06885	ug/L	09/18/10	12:37	
61109-2SD	2203/1	617.46240	619.46044	615.46435	0.45762	ug/L	09/18/10	12:37	
61109-2SD	2203/2	607.99560	610.05456	605.93664	0.47891	ug/L	09/18/10	12:37	
61109-2SD	1960/1	2059.43554	2068.65502	2050.21606	0.63310	ug/L	09/18/10	12:37	
61109-2SD	1960/2	2094.54345	2096.02221	2093.06494	0.09983	ug/L	09/18/10	12:37	
61109-2SD	Y	1033.36572	1031.23120	1035.50024	0.29212		09/18/10	12:37	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61109-3	Ag	-0.18518	-0.61415	0.24378	327.58822	ug/L	09/18/10	12:42	
61109-3	Al	31957.63671	31908.56250	32006.70898	0.21716	ug/L	09/18/10	12:42	
61109-3	2Al	31.95783	31.90886	32.00681	0.21673	mg/L	09/18/10	12:42	
61109-3	As	5.72427	5.00286	6.44568	17.82280	ug/L	09/18/10	12:42	
61109-3	B	12.97238	14.14321	11.80155	12.76409	ug/L	09/18/10	12:42	
61109-3	Ba	120.45277	120.10600	120.79955	0.40714	ug/L	09/18/10	12:42	
61109-3	Be	3.91993	3.92688	3.91298	0.25062	ug/L	09/18/10	12:42	
61109-3	Ca	9927.15332	9918.72363	9935.58300	0.12008	ug/L	09/18/10	12:42	
61109-3	Cd	2.50694	2.69900	2.31487	10.83467	ug/L	09/18/10	12:42	
61109-3	Co	18.32433	18.45558	18.19307	1.01297	ug/L	09/18/10	12:42	
61109-3	Cr	34.83882	35.00643	34.67120	0.68038	ug/L	09/18/10	12:42	
61109-3	Cu	38.29049	38.41011	38.17088	0.44177	ug/L	09/18/10	12:42	
61109-3	Fe	62745.45312	62638.11328	62852.79296	0.24193	ug/L	09/18/10	12:42	
61109-3	2Fe	62.73538	62.62856	62.84220	0.24080	mg/L	09/18/10	12:42	
61109-3	K	3355.00634	3345.44458	3364.56787	0.40304	ug/L	09/18/10	12:42	
61109-3	Mg	11469.67187	11460.42773	11478.91601	0.11398	ug/L	09/18/10	12:42	
61109-3	2Mg	11.45585	11.44663	11.46507	0.11385	mg/L	09/18/10	12:42	
61109-3	Mn	993.87750	992.82226	994.93273	0.15015	ug/L	09/18/10	12:42	
61109-3	Mo	5.02357	5.11192	4.93522	2.48715	ug/L	09/18/10	12:42	
61109-3	Na	-150.47599	-126.96141	-173.99058	22.09963	ug/L	09/18/10	12:42	
61109-3	Ni	23.41767	22.88455	23.95079	3.21956	ug/L	09/18/10	12:42	
61109-3	Pb	113.53750	113.28581	113.78920	0.31351	ug/L	09/18/10	12:42	
61109-3	Se	5.90248	5.79859	6.00638	2.48928	ug/L	09/18/10	12:42	
61109-3	Sb	-1.36925	-1.80760	-0.93091	45.27378	ug/L	09/18/10	12:42	
61109-3	Sn	17.74575	18.41815	17.07334	5.35860	ug/L	09/18/10	12:42	
61109-3	Sr	122.46994	122.27920	122.66069	0.22025	ug/L	09/18/10	12:42	
61109-3	Ti	2786.48901	2782.60595	2790.37207	0.19707	ug/L	09/18/10	12:42	
61109-3	Tl	4.33035	7.40610	1.25460	100.44821	ug/L	09/18/10	12:42	
61109-3	V	72.04344	71.69544	72.39144	0.68312	ug/L	09/18/10	12:42	
61109-3	Zn	213.09173	213.08963	213.09384	0.00139	ug/L	09/18/10	12:42	
61109-3	2203/1	116.96786	117.34996	116.58575	0.46199	ug/L	09/18/10	12:42	
61109-3	2203/2	111.82490	111.25678	112.39302	0.71848	ug/L	09/18/10	12:42	
61109-3	1960/1	0.88819	-3.65040	5.42679	722.65051	ug/L	09/18/10	12:42	
61109-3	1960/2	8.40587	10.51600	6.29574	35.50109	ug/L	09/18/10	12:42	
61109-3	Y	1046.51745	1049.47692	1043.55798	0.39992		09/18/10	12:42	
61109-4	Ag	-0.50593	-0.57519	-0.43667	19.35969	ug/L	09/18/10	12:47	
61109-4	Al	34292.24218	34381.23046	34203.25781	0.36697	ug/L	09/18/10	12:47	
61109-4	2Al	34.29456	34.38365	34.20547	0.36737	mg/L	09/18/10	12:47	
61109-4	As	16.46697	18.27161	14.66232	15.49866	ug/L	09/18/10	12:47	
61109-4	B	14.31949	14.29841	14.34056	0.20818	ug/L	09/18/10	12:47	
61109-4	Ba	158.81283	159.01788	158.60778	0.18259	ug/L	09/18/10	12:47	
61109-4	Be	5.19814	5.20270	5.19358	0.12398	ug/L	09/18/10	12:47	
61109-4	Ca	9625.50585	9658.01855	9592.99218	0.47769	ug/L	09/18/10	12:47	
61109-4	Cd	5.02358	5.15251	4.89466	3.62941	ug/L	09/18/10	12:47	
61109-4	Co	44.73697	44.66509	44.80886	0.22723	ug/L	09/18/10	12:47	
61109-4	Cr	39.69129	40.12993	39.25265	1.56288	ug/L	09/18/10	12:47	
61109-4	Cu	44.83838	45.20567	44.47109	1.15844	ug/L	09/18/10	12:47	
61109-4	Fe	140288.03125	140826.76562	139749.29687	0.54308	ug/L	09/18/10	12:47	
61109-4	2Fe	140.27319	140.81237	139.73400	0.54359	mg/L	09/18/10	12:47	
61109-4	K	4003.18554	4016.00537	3990.36547	0.45289	ug/L	09/18/10	12:47	
61109-4	Mg	12588.09570	12625.27050	12550.92089	0.41764	ug/L	09/18/10	12:47	
61109-4	2Mg	12.56035	12.59743	12.52328	0.41739	mg/L	09/18/10	12:47	
61109-4	Mn	1056.72277	1060.28723	1053.15832	0.47703	ug/L	09/18/10	12:47	
61109-4	Mo	7.46891	6.35201	8.58581	21.14815	ug/L	09/18/10	12:47	
61109-4	Na	-131.38624	-208.03356	-54.73891	82.50155	ug/L	09/18/10	12:47	
61109-4	Ni	51.46778	52.19675	50.73881	2.00303	ug/L	09/18/10	12:47	
61109-4	Pb	108.87159	108.71192	109.03127	0.20740	ug/L	09/18/10	12:47	
61109-4	Se	3.52993	-1.36559	8.42546	196.13179	ug/L	09/18/10	12:47	
61109-4	Sb	1.60921	0.84159	2.37682	67.45982	ug/L	09/18/10	12:47	
61109-4	Sn	15.62087	15.91284	15.32890	2.64333	ug/L	09/18/10	12:47	
61109-4	Sr	109.19784	109.49911	108.89657	0.39017	ug/L	09/18/10	12:47	
61109-4	Ti	3073.77294	3086.19482	3061.35107	0.57151	ug/L	09/18/10	12:47	
61109-4	Tl	3.73366	3.92146	3.54585	7.11363	ug/L	09/18/10	12:47	
61109-4	V	82.98452	83.06494	82.90412	0.13703	ug/L	09/18/10	12:47	
61109-4	Zn	301.74063	303.42465	300.05661	0.78927	ug/L	09/18/10	12:47	
61109-4	2203/1	115.67936	115.17523	116.18350	0.61631	ug/L	09/18/10	12:47	
61109-4	2203/2	105.47282	105.48512	105.46052	0.01649	ug/L	09/18/10	12:47	
61109-4	1960/1	-2.28969	-6.96062	2.38123	288.49694	ug/L	09/18/10	12:47	
61109-4	1960/2	6.43538	1.42772	11.44304	110.04621	ug/L	09/18/10	12:47	
61109-4	Y	1038.02758	1035.50024	1040.55493	0.34432		09/18/10	12:47	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	477.91436	479.53070	476.29806	0.47829	ug/L	09/18/10	12:52	
CCV	Al	4753.34960	4766.10595	4740.59326	0.37952	ug/L	09/18/10	12:52	
CCV	2Al	4.75348	4.76615	4.74082	0.37669	mg/L	09/18/10	12:52	
CCV	As	483.36135	483.86846	482.85424	0.14836	ug/L	09/18/10	12:52	
CCV	B	4840.30859	4859.53125	4821.08593	0.56163	ug/L	09/18/10	12:52	
CCV	Ba	4873.95751	4895.94091	4851.97412	0.63786	ug/L	09/18/10	12:52	
CCV	Be	484.36221	486.36669	482.35772	0.58525	ug/L	09/18/10	12:52	
CCV	Ca	4824.41943	4840.13867	4808.70019	0.46078	ug/L	09/18/10	12:52	
CCV	Cd	486.50122	488.81494	484.18753	0.67257	ug/L	09/18/10	12:52	
CCV	Co	477.76431	479.41912	476.10949	0.48983	ug/L	09/18/10	12:52	
CCV	Cr	4840.73291	4860.78515	4820.68066	0.58582	ug/L	09/18/10	12:52	
CCV	Cu	4823.52050	4842.74707	4804.29443	0.56369	ug/L	09/18/10	12:52	
CCV	Fe	4819.50585	4814.56689	4824.44531	0.14493	ug/L	09/18/10	12:52	
CCV	2Fe	4.81975	4.81481	4.82469	0.14484	mg/L	09/18/10	12:52	
CCV	K	9638.61035	9666.40527	9610.81542	0.40781	ug/L	09/18/10	12:52	
CCV	Mg	4815.15283	4828.16210	4802.14355	0.38208	ug/L	09/18/10	12:52	
CCV	2Mg	4.81516	4.82818	4.80215	0.38226	mg/L	09/18/10	12:52	
CCV	Mn	4845.15722	4865.48779	4824.82617	0.59341	ug/L	09/18/10	12:52	
CCV	Mo	486.43838	486.98074	485.89602	0.15767	ug/L	09/18/10	12:52	
CCV	Na	7135.20117	7017.50634	7252.89648	2.33274	ug/L	09/18/10	12:52	
CCV	Ni	2425.87060	2433.70361	2418.03735	0.45664	ug/L	09/18/10	12:52	
CCV	Pb	488.74514	489.56463	487.92565	0.23712	ug/L	09/18/10	12:52	
CCV	Se	4893.23437	4904.95068	4881.51855	0.33861	ug/L	09/18/10	12:52	
CCV	Sb	482.89230	480.95385	484.83074	0.56769	ug/L	09/18/10	12:52	
CCV	Sn	4826.46777	4845.33886	4807.59667	0.55294	ug/L	09/18/10	12:52	
CCV	Sr	2480.34619	2489.18896	2471.50317	0.50419	ug/L	09/18/10	12:52	
CCV	Ti	485.65447	487.57870	483.73025	0.56032	ug/L	09/18/10	12:52	
CCV	Tl	4891.82177	4902.21386	4881.42968	0.30043	ug/L	09/18/10	12:52	
CCV	V	4814.53857	4834.07958	4794.99755	0.57399	ug/L	09/18/10	12:52	
CCV	Zn	2431.28076	2440.14233	2422.41918	0.51545	ug/L	09/18/10	12:52	
CCV	2203/1	481.84109	481.97540	481.70678	0.03941	ug/L	09/18/10	12:52	
CCV	2203/2	492.18774	493.34927	491.02621	0.33374	ug/L	09/18/10	12:52	
CCV	1960/1	4840.18457	4840.61132	4839.75732	0.01247	ug/L	09/18/10	12:52	
CCV	1960/2	4919.71972	4937.07226	4902.36767	0.49880	ug/L	09/18/10	12:52	
CCV	Y	1030.74682	1033.04711	1028.44641	0.31561		09/18/10	12:52	
CCB	Ag	0.18786	-0.16568	0.54140	266.15032	ug/L	09/18/10	12:57	
CCB	Al	5.47102	7.17808	3.76396	44.12609	ug/L	09/18/10	12:57	
CCB	2Al	0.00547	0.00717	0.00376	44.12639	mg/L	09/18/10	12:57	
CCB	As	-3.57653	-5.31095	-1.84211	68.58136	ug/L	09/18/10	12:57	
CCB	B	15.21925	17.77340	12.66510	23.73382	ug/L	09/18/10	12:57	
CCB	Ba	0.57003	-0.06498	1.20505	157.54396	ug/L	09/18/10	12:57	
CCB	Be	0.06943	0.01878	0.12009	103.16657	ug/L	09/18/10	12:57	
CCB	Ca	1.44915	-0.65700	3.55530	205.53758	ug/L	09/18/10	12:57	
CCB	Cd	-0.23142	-0.43701	-0.02583	125.63309	ug/L	09/18/10	12:57	
CCB	Co	-0.51229	-0.33750	-0.68708	48.25152	ug/L	09/18/10	12:57	
CCB	Cr	0.41012	-0.12931	0.94957	186.01052	ug/L	09/18/10	12:57	
CCB	Cu	-0.49704	-1.05089	0.05680	157.58367	ug/L	09/18/10	12:57	
CCB	Fe	11.89558	1.04311	22.74805	129.02026	ug/L	09/18/10	12:57	
CCB	2Fe	0.01189	0.00104	0.02274	129.02058	mg/L	09/18/10	12:57	
CCB	K	-8.54576	-4.90509	-12.18643	60.24837	ug/L	09/18/10	12:57	
CCB	Mg	-1.34736	-1.35052	-1.34420	0.33174	ug/L	09/18/10	12:57	
CCB	2Mg	-0.00134	-0.00135	-0.00134	0.15723	mg/L	09/18/10	12:57	
CCB	Mn	0.73889	0.19717	1.28061	103.68315	ug/L	09/18/10	12:57	
CCB	Mo	-0.95345	-1.20131	-0.70560	36.76241	ug/L	09/18/10	12:57	
CCB	Na	-269.77145	-172.30609	-367.23681	51.09392	ug/L	09/18/10	12:57	
CCB	Ni	0.15981	0.07523	0.24438	74.83985	ug/L	09/18/10	12:57	
CCB	Pb	-1.00692	-1.61970	-0.39414	86.06453	ug/L	09/18/10	12:57	
CCB	Se	1.10069	3.17287	-0.97148	266.24105	ug/L	09/18/10	12:57	
CCB	Sb	-0.92547	-0.49693	-1.35401	65.48542	ug/L	09/18/10	12:57	
CCB	Sn	-1.10277	-0.02302	-2.18252	138.46853	ug/L	09/18/10	12:57	
CCB	Sr	0.33492	0.03955	0.63029	124.72039	ug/L	09/18/10	12:57	
CCB	Ti	0.27964	0.13332	0.42596	73.99562	ug/L	09/18/10	12:57	
CCB	Tl	3.53018	1.52947	5.53088	80.14944	ug/L	09/18/10	12:57	
CCB	V	1.51710	0.79243	2.24177	67.55196	ug/L	09/18/10	12:57	
CCB	Zn	1.14395	0.70589	1.58201	54.15513	ug/L	09/18/10	12:57	
CCB	2203/1	1.69532	-0.79925	4.18990	208.09349	ug/L	09/18/10	12:57	
CCB	2203/2	-2.35601	-2.02931	-2.68272	19.61086	ug/L	09/18/10	12:57	
CCB	1960/1	-4.86042	-2.15039	-7.57045	78.85249	ug/L	09/18/10	12:57	
CCB	1960/2	4.07678	5.83051	2.32305	60.83586	ug/L	09/18/10	12:57	
CCB	Y	1003.81469	1004.87536	1002.75396	0.14943		09/18/10	12:57	

0091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60987-4	Ag	0.81101	0.51527	1.10674	51.56951	ug/L	09/18/10	13:02	
60987-4	Al	115057.96875	114860.06250	115255.86718	0.24324	ug/L	09/18/10	13:02	
60987-4	2Al	115.06681	114.86794	115.26569	0.24442	mg/L	09/18/10	13:02	
60987-4	As	61.73117	63.15498	60.30737	3.26183	ug/L	09/18/10	13:02	
60987-4	B	65.02256	65.97735	64.06777	2.07663	ug/L	09/18/10	13:02	
60987-4	Ba	755.07019	754.13873	756.00170	0.17446	ug/L	09/18/10	13:02	
60987-4	Be	4.99611	4.97782	5.01440	0.51774	ug/L	09/18/10	13:02	
60987-4	Ca	16557.44726	16523.57421	16591.32031	0.28931	ug/L	09/18/10	13:02	
60987-4	Cd	1.46793	1.66143	1.27443	18.64194	ug/L	09/18/10	13:02	
60987-4	Co	80.98570	81.57276	80.39863	1.02516	ug/L	09/18/10	13:02	
60987-4	Cr	187.93997	187.61433	188.26560	0.24503	ug/L	09/18/10	13:02	
60987-4	Cu	1019.20349	1017.67388	1020.73303	0.21223	ug/L	09/18/10	13:02	
60987-4	Fe	243459.25000	243074.82812	243843.65625	0.22329	ug/L	09/18/10	13:02	
60987-4	2Fe	243.43630	243.04995	243.82266	0.22444	mg/L	09/18/10	13:02	
60987-4	K	15918.00976	15893.02343	15942.99707	0.22199	ug/L	09/18/10	13:02	
60987-4	Mg	40130.60156	40068.55468	40192.65234	0.21866	ug/L	09/18/10	13:02	
60987-4	2Mg	40.07820	40.01623	40.14017	0.21866	mg/L	09/18/10	13:02	
60987-4	Mn	3799.49853	3793.51000	3805.48681	0.22289	ug/L	09/18/10	13:02	
60987-4	Mo	5.79490	5.13789	6.45192	16.03403	ug/L	09/18/10	13:02	
60987-4	Na	-311.74578	-386.69885	-236.79275	34.00193	ug/L	09/18/10	13:02	
60987-4	Ni	203.16201	203.44908	202.87496	0.19982	ug/L	09/18/10	13:02	
60987-4	Pb	3329.94873	3317.09423	3342.80322	0.54592	ug/L	09/18/10	13:02	
60987-4	Se	9.51605	8.61178	10.42032	13.43865	ug/L	09/18/10	13:02	
60987-4	Sb	167.70707	166.60397	168.81018	0.93020	ug/L	09/18/10	13:02	
60987-4	Sn	147.92333	146.80995	149.03672	1.06444	ug/L	09/18/10	13:02	
60987-4	Sr	155.68327	155.30174	156.06480	0.34657	ug/L	09/18/10	13:02	
60987-4	Ti	7436.75292	7423.29589	7450.20996	0.25590	ug/L	09/18/10	13:02	
60987-4	Tl	10.10169	8.14865	12.05472	27.34202	ug/L	09/18/10	13:02	
60987-4	V	262.39581	261.63983	263.15179	0.40744	ug/L	09/18/10	13:02	
60987-4	Zn	1284.66650	1282.65222	1286.68078	0.22174	ug/L	09/18/10	13:02	
60987-4	2203/1	3322.26855	3308.74243	3335.79467	0.57577	ug/L	09/18/10	13:02	
60987-4	2203/2	3333.78271	3321.26367	3346.30200	0.53107	ug/L	09/18/10	13:02	
60987-4	1960/1	7.46198	10.09694	4.82703	49.93823	ug/L	09/18/10	13:02	
60987-4	1960/2	10.54155	7.87032	13.21278	35.83614	ug/L	09/18/10	13:02	
60987-4	Y	1042.88146	1044.09057	1041.67236	0.16396		09/18/10	13:02	
60987-5	Ag	0.27195	0.11116	0.43274	83.61297	ug/L	09/18/10	13:07	
60987-5	Al	113996.97656	114214.73437	113779.21875	0.27014	ug/L	09/18/10	13:07	
60987-5	2Al	113.99961	114.21865	113.78057	0.27172	mg/L	09/18/10	13:07	
60987-5	As	40.40359	41.06657	39.74061	2.32057	ug/L	09/18/10	13:07	
60987-5	B	273.40313	274.28540	272.52084	0.45637	ug/L	09/18/10	13:07	
60987-5	Ba	615.40307	616.84478	613.96136	0.33130	ug/L	09/18/10	13:07	
60987-5	Be	4.66374	4.65094	4.67654	0.38806	ug/L	09/18/10	13:07	
60987-5	Ca	16205.32812	16232.18359	16178.47167	0.23436	ug/L	09/18/10	13:07	
60987-5	Cd	0.60578	0.43792	0.77363	39.18548	ug/L	09/18/10	13:07	
60987-5	Co	76.76237	77.23310	76.29164	0.86724	ug/L	09/18/10	13:07	
60987-5	Cr	191.17872	191.56719	190.79025	0.28736	ug/L	09/18/10	13:07	
60987-5	Cu	658.73522	660.76184	656.70867	0.43507	ug/L	09/18/10	13:07	
60987-5	Fe	220185.68750	220702.84375	219668.53125	0.33216	ug/L	09/18/10	13:07	
60987-5	2Fe	220.15336	220.67250	219.63423	0.33347	mg/L	09/18/10	13:07	
60987-5	K	15144.11914	15161.70214	15126.53613	0.16419	ug/L	09/18/10	13:07	
60987-5	Mg	40840.36718	40938.98828	40741.74218	0.34151	ug/L	09/18/10	13:07	
60987-5	2Mg	40.78907	40.88757	40.69056	0.34153	mg/L	09/18/10	13:07	
60987-5	Mn	3421.08740	3428.38842	3413.78613	0.30181	ug/L	09/18/10	13:07	
60987-5	Mo	4.90103	4.58937	5.21268	8.99297	ug/L	09/18/10	13:07	
60987-5	Na	-208.52479	-215.62669	-201.42289	4.81650	ug/L	09/18/10	13:07	
60987-5	Ni	197.63082	198.62245	196.63922	0.70958	ug/L	09/18/10	13:07	
60987-5	Pb	2112.46923	2119.39062	2105.54809	0.46335	ug/L	09/18/10	13:07	
60987-5	Se	8.54192	8.65946	8.42438	1.94595	ug/L	09/18/10	13:07	
60987-5	Sb	89.45978	88.96909	89.95047	0.77570	ug/L	09/18/10	13:07	
60987-5	Sn	86.95989	89.07837	84.84141	3.44524	ug/L	09/18/10	13:07	
60987-5	Sr	144.90426	144.81399	144.99455	0.08810	ug/L	09/18/10	13:07	
60987-5	Ti	7332.77636	7346.97656	7318.57666	0.27386	ug/L	09/18/10	13:07	
60987-5	Tl	4.46117	6.13983	2.78250	53.21453	ug/L	09/18/10	13:07	
60987-5	V	261.55371	262.11752	260.98986	0.30485	ug/L	09/18/10	13:07	
60987-5	Zn	937.50274	939.88964	935.11584	0.36006	ug/L	09/18/10	13:07	
60987-5	2203/1	2111.09472	2108.98803	2113.20141	0.14112	ug/L	09/18/10	13:07	
60987-5	2203/2	2113.15576	2124.58398	2101.72729	0.76483	ug/L	09/18/10	13:07	
60987-5	1960/1	-0.39459	-4.51111	3.72193	1475.35546	ug/L	09/18/10	13:07	
60987-5	1960/2	13.00348	15.23488	10.77209	24.26786	ug/L	09/18/10	13:07	
60987-5	Y	1028.74316	1028.60351	1028.88281	0.01919		09/18/10	13:07	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60987-6	Ag	0.52118	1.16101	-0.11863	173.61367	ug/L	09/18/10	13:13	
60987-6	Al	112102.65625	112024.62500	112180.69531	0.09844	ug/L	09/18/10	13:13	
60987-6	2Al	112.10955	112.03353	112.18556	0.09589	mg/L	09/18/10	13:13	
60987-6	As	50.99437	50.27499	51.71375	1.99504	ug/L	09/18/10	13:13	
60987-6	B	42.75997	43.38522	42.13473	2.06789	ug/L	09/18/10	13:13	
60987-6	Ba	637.41058	637.73748	637.08367	0.07252	ug/L	09/18/10	13:13	
60987-6	Be	4.73912	4.74748	4.73076	0.24952	ug/L	09/18/10	13:13	
60987-6	Ca	13942.31054	13947.72753	13936.89355	0.05494	ug/L	09/18/10	13:13	
60987-6	Cd	0.38654	0.13522	0.63787	91.94777	ug/L	09/18/10	13:13	
60987-6	Co	75.89255	75.93872	75.84638	0.08602	ug/L	09/18/10	13:13	
60987-6	Cr	184.57846	184.85940	184.29753	0.21525	ug/L	09/18/10	13:13	
60987-6	Cu	934.81054	935.35266	934.26837	0.08201	ug/L	09/18/10	13:13	
60987-6	Fe	221158.09375	221161.23437	221154.93750	0.00201	ug/L	09/18/10	13:13	
60987-6	2Fe	221.13375	221.14093	221.12657	0.00459	mg/L	09/18/10	13:13	
60987-6	K	15641.97460	15648.55664	15635.39355	0.05950	ug/L	09/18/10	13:13	
60987-6	Mg	39012.60937	39013.15625	39012.06250	0.00198	ug/L	09/18/10	13:13	
60987-6	2Mg	38.96427	38.96481	38.96372	0.00198	mg/L	09/18/10	13:13	
60987-6	Mn	3400.92431	3401.54125	3400.30761	0.02564	ug/L	09/18/10	13:13	
60987-6	Mo	4.64023	5.53018	3.75029	27.12300	ug/L	09/18/10	13:13	
60987-6	Na	-149.87490	-242.38539	-57.36441	87.29252	ug/L	09/18/10	13:13	
60987-6	Ni	193.29141	193.27532	193.30751	0.01177	ug/L	09/18/10	13:13	
60987-6	Pb	3192.20019	3186.41040	3197.98999	0.25650	ug/L	09/18/10	13:13	
60987-6	Se	6.10627	6.47961	5.73293	8.64658	ug/L	09/18/10	13:13	
60987-6	Sb	189.56141	187.53895	191.58387	1.50884	ug/L	09/18/10	13:13	
60987-6	Sn	119.21360	119.74800	118.67920	0.63394	ug/L	09/18/10	13:13	
60987-6	Sr	140.68673	141.00521	140.36825	0.32014	ug/L	09/18/10	13:13	
60987-6	Ti	7417.43164	7419.89990	7414.96386	0.04705	ug/L	09/18/10	13:13	
60987-6	Tl	12.49311	9.03664	15.94959	39.12710	ug/L	09/18/10	13:13	
60987-6	V	249.45863	249.02406	249.89320	0.24636	ug/L	09/18/10	13:13	
60987-6	Zn	1039.08666	1039.34399	1038.82946	0.03501	ug/L	09/18/10	13:13	
60987-6	2203/1	3167.22558	3157.74487	3176.70605	0.42332	ug/L	09/18/10	13:13	
60987-6	2203/2	3204.66894	3200.72167	3208.61596	0.17418	ug/L	09/18/10	13:13	
60987-6	1960/1	-4.47358	-8.27319	-0.67398	120.11513	ug/L	09/18/10	13:13	
60987-6	1960/2	11.38827	13.84496	8.93159	30.50750	ug/L	09/18/10	13:13	
60987-6	Y	1032.38354	1034.44384	1030.32336	0.28222		09/18/10	13:13	
60987-6S	Ag	48.09860	48.02481	48.17238	0.21695	ug/L	09/18/10	13:18	
60987-6S	Al	118236.89062	118405.92187	118067.85937	0.20217	ug/L	09/18/10	13:18	
60987-6S	2Al	118.24369	118.41506	118.07231	0.20496	mg/L	09/18/10	13:18	
60987-6S	As	1975.05676	1978.47204	1971.64147	0.24454	ug/L	09/18/10	13:18	
60987-6S	B	1025.17968	1024.78967	1025.56958	0.05379	ug/L	09/18/10	13:18	
60987-6S	Ba	2609.91235	2614.32690	2605.49780	0.23920	ug/L	09/18/10	13:18	
60987-6S	Be	53.67332	53.74677	53.59987	0.19353	ug/L	09/18/10	13:18	
60987-6S	Ca	20340.12695	20362.94140	20317.31250	0.15862	ug/L	09/18/10	13:18	
60987-6S	Cd	48.45035	48.32743	48.57328	0.35880	ug/L	09/18/10.	13:18	
60987-6S	Co	553.63507	555.24438	552.02575	0.41108	ug/L	09/18/10	13:18	
60987-6S	Cr	384.86923	385.37768	384.36077	0.18683	ug/L	09/18/10	13:18	
60987-6S	Cu	1115.34057	1118.56408	1112.11706	0.40873	ug/L	09/18/10	13:18	
60987-6S	Fe	225645.29687	226004.10937	225286.48437	0.22488	ug/L	09/18/10	13:18	
60987-6S	2Fe	225.61978	225.98260	225.25697	0.22741	mg/L	09/18/10	13:18	
60987-6S	K	20478.59765	20513.99023	20443.20703	0.24440	ug/L	09/18/10	13:18	
60987-6S	Mg	44630.37500	44701.06250	44559.68750	0.22398	ug/L	09/18/10	13:18	
60987-6S	2Mg	44.57858	44.65050	44.50666	0.22815	mg/L	09/18/10	13:18	
60987-6S	Mn	3915.62500	3921.54028	3909.70971	0.21364	ug/L	09/18/10	13:18	
60987-6S	Mo	491.60427	492.27648	490.93206	0.19337	ug/L	09/18/10	13:18	
60987-6S	Na	4463.79833	4748.78808	4178.80859	9.02900	ug/L	09/18/10	13:18	
60987-6S	Ni	668.01879	669.48394	666.55364	0.31017	ug/L	09/18/10	13:18	
60987-6S	Pb	2974.08862	2968.10205	2980.07519	0.28466	ug/L	09/18/10	13:18	
60987-6S	Se	1954.71789	1948.04284	1961.39294	0.48293	ug/L	09/18/10	13:18	
60987-6S	Sb	580.51367	585.96569	575.06164	1.32819	ug/L	09/18/10	13:18	
60987-6S	Sn	1094.23327	1096.48486	1091.98168	0.29100	ug/L	09/18/10	13:18	
60987-6S	Sr	666.14019	667.38922	664.89117	0.26516	ug/L	09/18/10	13:18	
60987-6S	Ti	8182.94628	8194.15820	8171.73437	0.19376	ug/L	09/18/10	13:18	
60987-6S	Tl	1979.61694	1983.37036	1975.86364	0.26813	ug/L	09/18/10	13:18	
60987-6S	V	727.95867	728.23059	727.68676	0.05282	ug/L	09/18/10	13:18	
60987-6S	Zn	1420.05432	1421.20385	1418.90478	0.11448	ug/L	09/18/10	13:18	
60987-6S	2203/1	2963.08471	2961.52514	2964.64428	0.07443	ug/L	09/18/10	13:18	
60987-6S	2203/2	2979.58227	2971.38549	2987.77905	0.38904	ug/L	09/18/10	13:18	
60987-6S	1960/1	1926.55688	1918.29553	1934.81811	0.60643	ug/L	09/18/10	13:18	
60987-6S	1960/2	1968.77734	1962.89428	1974.66040	0.42259	ug/L	09/18/10	13:18	
60987-6S	Y	1027.54272	1027.15429	1027.93127	0.05346		09/18/10	13:18	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60987-6SD	Ag	50.44019	50.95611	49.92427	1.44650	ug/L	09/18/10	13:23	
60987-6SD	Al	114029.31250	114098.80468	113959.82812	0.08618	ug/L	09/18/10	13:23	
60987-6SD	2Al	114.03608	114.10985	113.96231	0.09148	mg/L	09/18/10	13:23	
60987-6SD	As	2057.16064	2059.52099	2054.80053	0.16225	ug/L	09/18/10	13:23	
60987-6SD	B	1081.18725	1080.00415	1082.37036	0.15475	ug/L	09/18/10	13:23	
60987-6SD	Ba	2795.38623	2793.23193	2797.54077	0.10899	ug/L	09/18/10	13:23	
60987-6SD	Be	56.54219	56.52177	56.56260	0.05105	ug/L	09/18/10	13:23	
60987-6SD	Ca	22719.80078	22722.01171	22717.58984	0.01376	ug/L	09/18/10	13:23	
60987-6SD	Cd	50.78405	50.87748	50.69062	0.26017	ug/L	09/18/10	13:23	
60987-6SD	Co	578.71862	578.78393	578.65325	0.01596	ug/L	09/18/10	13:23	
60987-6SD	Cr	388.86071	388.81591	388.90548	0.01628	ug/L	09/18/10	13:23	
60987-6SD	Cu	1277.31713	1278.01354	1276.62060	0.07711	ug/L	09/18/10	13:23	
60987-6SD	Fe	271440.12500	271527.09375	271353.15625	0.04531	ug/L	09/18/10	13:23	
60987-6SD	2Fe	271.41018	271.50726	271.31311	0.05058	mg/L	09/18/10	13:23	
60987-6SD	K	20223.52734	20222.38085	20224.67382	0.00801	ug/L	09/18/10	13:23	
60987-6SD	Mg	43885.44531	43923.52343	43847.37109	0.12270	ug/L	09/18/10	13:23	
60987-6SD	2Mg	43.82594	43.86530	43.78657	0.12702	mg/L	09/18/10	13:23	
60987-6SD	Mn	4214.64501	4215.86572	4213.42431	0.04096	ug/L	09/18/10	13:23	
60987-6SD	Mo	511.50830	509.81866	513.19793	0.46714	ug/L	09/18/10	13:23	
60987-6SD	Na	4873.98095	4979.16455	4768.79736	3.05196	ug/L	09/18/10	13:23	
60987-6SD	Ni	726.15087	727.64404	724.65777	0.29079	ug/L	09/18/10	13:23	
60987-6SD	Pb	3295.19262	3294.23120	3296.15405	0.04126	ug/L	09/18/10	13:23	
60987-6SD	Se	2003.92395	2007.43798	2000.40991	0.24799	ug/L	09/18/10	13:23	
60987-6SD	Sb	636.38830	636.04876	636.72790	0.07546	ug/L	09/18/10	13:23	
60987-6SD	Sn	1170.50024	1170.60668	1170.39379	0.01286	ug/L	09/18/10	13:23	
60987-6SD	Sr	689.07397	688.35821	689.78979	0.14690	ug/L	09/18/10	13:23	
60987-6SD	Ti	7909.40283	7913.54687	7905.25878	0.07409	ug/L	09/18/10	13:23	
60987-6SD	Tl	2049.96679	2047.07763	2052.85595	0.19931	ug/L	09/18/10	13:23	
60987-6SD	V	747.46264	748.28314	746.64208	0.15524	ug/L	09/18/10	13:23	
60987-6SD	Zn	2128.89990	2129.72460	2128.07519	0.05478	ug/L	09/18/10	13:23	
60987-6SD	2203/1	3288.13769	3281.90307	3294.37231	0.26814	ug/L	09/18/10	13:23	
60987-6SD	2203/2	3298.71484	3300.38598	3297.04345	0.07164	ug/L	09/18/10	13:23	
60987-6SD	1960/1	1977.89184	1977.38916	1978.39440	0.03593	ug/L	09/18/10	13:23	
60987-6SD	1960/2	2016.92053	2022.43994	2011.40112	0.38700	ug/L	09/18/10	13:23	
60987-6SD	Y	1023.43103	1023.74090	1023.12109	0.04282		09/18/10	13:23	
PBS 179451	Ag	0.54413	0.26073	0.82753	73.65663	ug/L	09/18/10	13:28	
PBS 179451	Al	11.18754	9.41127	12.96381	22.45372	ug/L	09/18/10	13:28	
PBS 179451	2Al	0.01118	0.00941	0.01296	22.45371	mg/L	09/18/10	13:28	
PBS 179451	As	-4.60865	-6.80875	-2.40856	67.51216	ug/L	09/18/10	13:28	
PBS 179451	B	5.56741	5.68255	5.45228	2.92457	ug/L	09/18/10	13:28	
PBS 179451	Ba	0.07101	-0.02659	0.16862	194.38662	ug/L	09/18/10	13:28	
PBS 179451	Be	-0.00899	-0.01309	-0.00489	64.44532	ug/L	09/18/10	13:28	
PBS 179451	Ca	15.15944	14.70926	15.60962	4.19971	ug/L	09/18/10	13:28	
PBS 179451	Cd	-0.16963	-0.24116	-0.09810	59.63086	ug/L	09/18/10	13:28	
PBS 179451	Co	-0.45099	-0.51364	-0.38834	19.64447	ug/L	09/18/10	13:28	
PBS 179451	Cr	1.12304	0.99410	1.25198	16.23681	ug/L	09/18/10	13:28	
PBS 179451	Cu	-0.45115	-0.42370	-0.47859	8.60332	ug/L	09/18/10	13:28	
PBS 179451	Fe	31.09327	30.10525	32.08128	4.49377	ug/L	09/18/10	13:28	
PBS 179451	2Fe	0.03109	0.03010	0.03207	4.49383	mg/L	09/18/10	13:28	
PBS 179451	K	17.79585	13.97899	21.61270	30.33204	ug/L	09/18/10	13:28	
PBS 179451	Mg	1.33648	1.33644	1.33652	0.00432	ug/L	09/18/10	13:28	
PBS 179451	2Mg	0.00133	0.00133	0.00133	0.01497	mg/L	09/18/10	13:28	
PBS 179451	Mn	0.39748	0.41510	0.37986	6.26971	ug/L	09/18/10	13:28	
PBS 179451	Mo	-0.17203	0.43569	-0.77975	499.58309	ug/L	09/18/10	13:28	
PBS 179451	Na	32.78616	86.28101	-20.70867	230.74711	ug/L	09/18/10	13:28	
PBS 179451	Ni	2.17846	1.86824	2.48868	20.13881	ug/L	09/18/10	13:28	
PBS 179451	Pb	1.41051	1.80804	1.01298	39.85750	ug/L	09/18/10	13:28	
PBS 179451	Se	3.17636	1.69264	4.66008	66.05974	ug/L	09/18/10	13:28	
PBS 179451	Sb	1.21773	1.51009	0.92537	33.95356	ug/L	09/18/10	13:28	
PBS 179451	Sn	10.67027	8.90401	12.43653	23.40957	ug/L	09/18/10	13:28	
PBS 179451	Sr	-0.01975	-0.00637	-0.03313	95.78892	ug/L	09/18/10	13:28	
PBS 179451	Ti	1.32106	1.83780	0.80431	55.31805	ug/L	09/18/10	13:28	
PBS 179451	Tl	0.49961	-4.08367	5.08291	1297.34252	ug/L	09/18/10	13:28	
PBS 179451	V	-0.02108	0.10291	-0.14508	831.70495	ug/L	09/18/10	13:28	
PBS 179451	Zn	2.76858	2.63505	2.90211	6.82078	ug/L	09/18/10	13:28	
PBS 179451	2203/1	3.72521	2.92971	4.52071	30.19991	ug/L	09/18/10	13:28	
PBS 179451	2203/2	0.25489	1.24805	-0.73825	551.02032	ug/L	09/18/10	13:28	
PBS 179451	1960/1	-0.45771	-1.58725	0.67182	348.99639	ug/L	09/18/10	13:28	
PBS 179451	1960/2	4.99068	3.33013	6.65123	47.05506	ug/L	09/18/10	13:28	
PBS 179451	Y	998.11834	996.93109	999.30560	0.16821		09/18/10	13:28	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSS-1	Ag	51.04907	50.48637	51.61178	1.55887	ug/L	09/18/10	13:33	
LCSS-1	Al	2026.23730	2025.82177	2026.65270	0.02899	ug/L	09/18/10	13:33	
LCSS-1	2Al	2.02633	2.02581	2.02684	0.03598	mg/L	09/18/10	13:33	
LCSS-1	As	2081.19360	2075.52197	2086.86523	0.38539	ug/L	09/18/10	13:33	
LCSS-1	B	1039.36657	1035.70007	1043.03308	0.49888	ug/L	09/18/10	13:33	
LCSS-1	Ba	2113.59228	2113.15209	2114.03247	0.02945	ug/L	09/18/10	13:33	
LCSS-1	Be	52.28987	52.26436	52.31537	0.06897	ug/L	09/18/10	13:33	
LCSS-1	Ca	5119.74414	5114.66162	5124.82617	0.14038	ug/L	09/18/10	13:33	
LCSS-1	Cd	53.35574	53.34071	53.37078	0.03984	ug/L	09/18/10	13:33	
LCSS-1	Co	521.13433	520.11236	522.15631	0.27733	ug/L	09/18/10	13:33	
LCSS-1	Cr	211.50401	211.03413	211.97389	0.31418	ug/L	09/18/10	13:33	
LCSS-1	Cu	260.93923	260.34634	261.53213	0.32133	ug/L	09/18/10	13:33	
LCSS-1	Fe	1045.69946	1052.73657	1038.66247	0.95169	ug/L	09/18/10	13:33	
LCSS-1	2Fe	1.04584	1.05287	1.03880	0.95145	mg/L	09/18/10	13:33	
LCSS-1	K	4854.08593	4847.01367	4861.15869	0.20605	ug/L	09/18/10	13:33	
LCSS-1	Mg	5102.64941	5103.54785	5101.75048	0.02490	ug/L	09/18/10	13:33	
LCSS-1	2Mg	5.10126	5.10216	5.10036	0.02487	mg/L	09/18/10	13:33	
LCSS-1	Mn	527.09240	527.16241	527.02246	0.01877	ug/L	09/18/10	13:33	
LCSS-1	Mo	520.99816	520.01055	521.98577	0.26807	ug/L	09/18/10	13:33	
LCSS-1	Na	4962.56054	5077.26562	4847.85595	3.26881	ug/L	09/18/10	13:33	
LCSS-1	Ni	523.83959	523.74737	523.93188	0.02490	ug/L	09/18/10	13:33	
LCSS-1	Pb	520.84375	520.35217	521.33526	0.13346	ug/L	09/18/10	13:33	
LCSS-1	Se	2105.99877	2110.76879	2101.22875	0.32031	ug/L	09/18/10	13:33	
LCSS-1	Sb	507.40423	504.95376	509.85467	0.68297	ug/L	09/18/10	13:33	
LCSS-1	Sn	1036.18872	1035.95581	1036.42163	0.03178	ug/L	09/18/10	13:33	
LCSS-1	Sr	535.25787	534.72515	535.79058	0.14074	ug/L	09/18/10	13:33	
LCSS-1	Ti	716.14306	716.12072	716.16540	0.00441	ug/L	09/18/10	13:33	
LCSS-1	Tl	2175.72070	2168.88964	2182.55151	0.44400	ug/L	09/18/10	13:33	
LCSS-1	V	513.76977	513.90734	513.63214	0.03787	ug/L	09/18/10	13:33	
LCSS-1	Zn	533.88952	533.59704	534.18200	0.07747	ug/L	09/18/10	13:33	
LCSS-1	2203/1	515.15270	512.91485	517.39056	0.61434	ug/L	09/18/10	13:33	
LCSS-1	2203/2	523.68493	524.06524	523.30468	0.10269	ug/L	09/18/10	13:33	
LCSS-1	1960/1	2075.28906	2082.33154	2068.24682	0.47990	ug/L	09/18/10	13:33	
LCSS-1	1960/2	2121.33007	2124.96557	2117.69433	0.24237	ug/L	09/18/10	13:33	
LCSS-1	Y	992.31286	992.13830	992.48748	0.02488		09/18/10	13:33	
60980-1	Ag	0.24409	0.15345	0.33474	52.51626	ug/L	09/18/10	13:38	
60980-1	Al	262765.75000	262836.81250	262694.71875	0.03823	ug/L	09/18/10	13:38	
60980-1	2Al	262.77832	262.86193	262.69470	0.04500	mg/L	09/18/10	13:38	
60980-1	As	210.13497	208.45828	211.81166	1.12841	ug/L	09/18/10	13:38	
60980-1	B	135.74246	135.73640	135.74853	0.00631	ug/L	09/18/10	13:38	
60980-1	Ba	1272.37402	1273.03417	1271.71374	0.07338	ug/L	09/18/10	13:38	
60980-1	Be	10.25996	10.24792	10.27200	0.16596	ug/L	09/18/10	13:38	
60980-1	Ca	94834.99218	94793.06250	94876.92187	0.06252	ug/L	09/18/10	13:38	
60980-1	Cd	1.43851	1.41140	1.46562	2.66505	ug/L	09/18/10	13:38	
60980-1	Co	85.10724	85.15159	85.06289	0.07369	ug/L	09/18/10	13:38	
60980-1	Cr	243.72494	243.44958	244.00028	0.15977	ug/L	09/18/10	13:38	
60980-1	Cu	116.61846	116.66716	116.56977	0.05905	ug/L	09/18/10	13:38	
60980-1	Fe	181028.96875	181026.89062	181031.06250	0.00162	ug/L	09/18/10	13:38	
60980-1	2Fe	181.00671	181.01354	180.99989	0.00533	mg/L	09/18/10	13:38	
60980-1	K	47570.31250	47582.32421	47558.30078	0.03570	ug/L	09/18/10	13:38	
60980-1	Mg	48581.84375	48542.33203	48621.35937	0.11502	ug/L	09/18/10	13:38	
60980-1	2Mg	48.53872	48.50051	48.57693	0.11133	mg/L	09/18/10	13:38	
60980-1	Mn	8113.88378	8114.86718	8112.90039	0.01714	ug/L	09/18/10	13:38	
60980-1	Mo	3.39875	2.88555	3.91194	21.35411	ug/L	09/18/10	13:38	
60980-1	Na	5019.75585	5006.09912	5033.41259	0.38475	ug/L	09/18/10	13:38	
60980-1	Ni	130.73510	130.70610	130.76412	0.03138	ug/L	09/18/10	13:38	
60980-1	Pb	264.70825	265.04721	264.36932	0.18108	ug/L	09/18/10	13:38	
60980-1	Se	7.64121	6.91076	8.37167	13.51903	ug/L	09/18/10	13:38	
60980-1	Sb	2.54714	-2.24638	7.34066	266.14385	ug/L	09/18/10	13:38	
60980-1	Sn	17.32063	15.69179	18.94946	13.29928	ug/L	09/18/10	13:38	
60980-1	Sr	521.43676	522.63696	520.23651	0.32551	ug/L	09/18/10	13:38	
60980-1	Ti	1760.72290	1761.21093	1760.23474	0.03920	ug/L	09/18/10	13:38	
60980-1	Tl	13.04568	15.71038	10.38098	28.88664	ug/L	09/18/10	13:38	
60980-1	V	336.37908	336.17166	336.58648	0.08720	ug/L	09/18/10	13:38	
60980-1	Zn	573.47021	573.37969	573.56079	0.02232	ug/L	09/18/10	13:38	
60980-1	2203/1	301.63793	305.04443	298.23147	1.59710	ug/L	09/18/10	13:38	
60980-1	2203/2	246.27111	245.07859	247.46362	0.68480	ug/L	09/18/10	13:38	
60980-1	1960/1	0.28246	-2.40253	2.96746	1344.28759	ug/L	09/18/10	13:38	
60980-1	1960/2	11.31507	11.56043	11.06972	3.06654	ug/L	09/18/10	13:38	
60980-1	Y	1042.62390	1042.50170	1042.74609	0.01657		09/18/10	13:38	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-1L	Ag	-0.02496	0.53721	-0.58715	3184.21118	ug/L	09/18/10	13:44	
60980-1L	Al	50925.29687	56262.75000	45587.84765	14.82229	ug/L	09/18/10	13:44	
60980-1L	2Al	50.92617	56.26317	45.58918	14.82075	mg/L	09/18/10	13:44	
60980-1L	As	39.65056	44.01685	35.28427	15.57322	ug/L	09/18/10	13:44	
60980-1L	B	29.16267	31.60362	26.72171	11.83716	ug/L	09/18/10	13:44	
60980-1L	Ba	250.07467	276.40216	223.74717	14.88863	ug/L	09/18/10	13:44	
60980-1L	Be	2.02322	2.23353	1.81292	14.69993	ug/L	09/18/10	13:44	
60980-1L	Ca	18575.44140	20515.92578	16634.95507	14.77359	ug/L	09/18/10	13:44	
60980-1L	Cd	0.01741	0.15431	-0.11948	1111.52185	ug/L	09/18/10	13:44	
60980-1L	Co	16.49554	18.62009	14.37099	18.21442	ug/L	09/18/10	13:44	
60980-1L	Cr	48.68307	54.14949	43.21665	15.87960	ug/L	09/18/10	13:44	
60980-1L	Cu	21.47469	23.70544	19.24395	14.69053	ug/L	09/18/10	13:44	
60980-1L	Fe	36130.12500	39877.22265	32383.02343	14.66698	ug/L	09/18/10	13:44	
60980-1L	2Fe	36.12489	39.87120	32.37858	14.66601	mg/L	09/18/10	13:44	
60980-1L	K	8934.37304	9886.45410	7982.29296	15.07039	ug/L	09/18/10	13:44	
60980-1L	Mg	9668.17187	10670.50585	8665.83691	14.66166	ug/L	09/18/10	13:44	
60980-1L	2Mg	9.65983	10.66130	8.65836	14.66167	mg/L	09/18/10	13:44	
60980-1L	Mn	1625.71057	1794.92407	1456.49707	14.71996	ug/L	09/18/10	13:44	
60980-1L	Mo	-0.66528	-0.91288	-0.41768	52.63267	ug/L	09/18/10	13:44	
60980-1L	Na	746.95288	744.97363	748.93206	0.37472	ug/L	09/18/10	13:44	
60980-1L	Ni	25.46557	28.73869	22.19244	18.17708	ug/L	09/18/10	13:44	
60980-1L	Pb	56.13279	63.98589	48.27970	19.78513	ug/L	09/18/10	13:44	
60980-1L	Se	0.57182	-0.81977	1.96342	344.16531	ug/L	09/18/10	13:44	
60980-1L	Sb	-5.44020	-10.32843	-0.55198	127.07218	ug/L	09/18/10	13:44	
60980-1L	Sn	-1.65114	-3.46360	0.16131	155.23844	ug/L	09/18/10	13:44	
60980-1L	Sr	103.40625	114.22436	92.58815	14.79515	ug/L	09/18/10	13:44	
60980-1L	Ti	347.72735	384.07110	311.38360	14.78106	ug/L	09/18/10	13:44	
60980-1L	Tl	3.72529	3.63498	3.81559	3.42820	ug/L	09/18/10	13:44	
60980-1L	V	64.99241	71.50484	58.47999	14.17082	ug/L	09/18/10	13:44	
60980-1L	Zn	114.72813	126.92275	102.53350	15.03188	ug/L	09/18/10	13:44	
60980-1L	2203/1	53.94712	60.54896	47.34529	17.30658	ug/L	09/18/10	13:44	
60980-1L	2203/2	57.22399	65.70178	48.74621	20.95169	ug/L	09/18/10	13:44	
60980-1L	1960/1	-2.16493	-0.10385	-4.22601	134.63711	ug/L	09/18/10	13:44	
60980-1L	1960/2	1.93815	-1.17720	5.05350	227.31829	ug/L	09/18/10	13:44	
60980-1L	Y	1009.11376	1009.16180	1009.06579	0.00672		09/18/10	13:44	
60980-1A	Ag	46.58563	46.47546	46.69580	0.33445	ug/L	09/18/10	13:49	
60980-1A	Al	260716.96875	260700.79687	260733.14062	0.00877	ug/L	09/18/10	13:49	
60980-1A	2Al	260.73327	260.72244	260.74411	0.00587	mg/L	09/18/10	13:49	
60980-1A	As	2059.08276	2057.01147	2061.15405	0.14225	ug/L	09/18/10	13:49	
60980-1A	B	1089.88818	1092.41735	1087.35900	0.32817	ug/L	09/18/10	13:49	
60980-1A	Ba	3146.34912	3149.05493	3143.64355	0.12161	ug/L	09/18/10	13:49	
60980-1A	Be	56.59793	56.63220	56.56365	0.08563	ug/L	09/18/10	13:49	
60980-1A	Ca	98433.37500	98377.05468	98489.70312	0.08092	ug/L	09/18/10	13:49	
60980-1A	Cd	47.36989	46.73581	48.00398	1.89304	ug/L	09/18/10	13:49	
60980-1A	Co	531.83026	531.87847	531.78204	0.01282	ug/L	09/18/10	13:49	
60980-1A	Cr	423.93243	423.76876	424.09606	0.05459	ug/L	09/18/10	13:49	
60980-1A	Cu	348.95037	349.65927	348.24148	0.28729	ug/L	09/18/10	13:49	
60980-1A	Fe	179321.42187	179422.46875	179220.37500	0.07969	ug/L	09/18/10	13:49	
60980-1A	2Fe	179.30242	179.40742	179.19741	0.08281	mg/L	09/18/10	13:49	
60980-1A	K	52143.66796	52107.01953	52180.31640	0.09939	ug/L	09/18/10	13:49	
60980-1A	Mg	52730.46484	52748.95703	52711.97265	0.04959	ug/L	09/18/10	13:49	
60980-1A	2Mg	52.68663	52.70639	52.66686	0.05304	mg/L	09/18/10	13:49	
60980-1A	Mn	8458.91992	8462.33593	8455.50390	0.05711	ug/L	09/18/10	13:49	
60980-1A	Mo	474.95556	475.43612	474.47500	0.14309	ug/L	09/18/10	13:49	
60980-1A	Na	9900.62304	9809.87500	9991.37207	1.29625	ug/L	09/18/10	13:49	
60980-1A	Ni	577.59936	578.75671	576.44201	0.28336	ug/L	09/18/10	13:49	
60980-1A	Pb	703.54907	703.94488	703.15319	0.07956	ug/L	09/18/10	13:49	
60980-1A	Se	1873.38281	1876.02917	1870.73657	0.19976	ug/L	09/18/10	13:49	
60980-1A	Sb	454.91284	453.64422	456.18145	0.39438	ug/L	09/18/10	13:49	
60980-1A	Sn	985.76660	988.39526	983.13793	0.37711	ug/L	09/18/10	13:49	
60980-1A	Sr	1020.97137	1020.81048	1021.13226	0.02228	ug/L	09/18/10	13:49	
60980-1A	Ti	2677.50439	2678.26171	2676.74707	0.04000	ug/L	09/18/10	13:49	
60980-1A	Tl	1904.45336	1908.60241	1900.30444	0.30809	ug/L	09/18/10	13:49	
60980-1A	V	781.02893	781.39782	780.66009	0.06679	ug/L	09/18/10	13:49	
60980-1A	Zn	1021.38476	1021.97845	1020.79113	0.08219	ug/L	09/18/10	13:49	
60980-1A	2203/1	737.28771	738.14062	736.43481	0.16359	ug/L	09/18/10	13:49	
60980-1A	2203/2	686.70495	686.87268	686.53729	0.03453	ug/L	09/18/10	13:49	
60980-1A	1960/1	1839.16601	1841.38244	1836.94970	0.17042	ug/L	09/18/10	13:49	
60980-1A	1960/2	1890.46557	1893.32666	1887.60461	0.21402	ug/L	09/18/10	13:49	
60980-1A	Y	1039.06201	1036.95812	1041.16601	0.28635		09/18/10	13:49	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	482.21673	485.15994	479.27352	0.86316	ug/L	09/18/10	13:54	
CCV	Al	4758.86523	4775.02148	4742.70947	0.48011	ug/L	09/18/10	13:54	
CCV	2Al	4.75870	4.77485	4.74255	0.48007	mg/L	09/18/10	13:54	
CCV	As	486.78485	491.06588	482.50381	1.24373	ug/L	09/18/10	13:54	
CCV	B	4880.40917	4896.67382	4864.14453	0.47130	ug/L	09/18/10	13:54	
CCV	Ba	4899.72900	4919.72119	4879.73681	0.57703	ug/L	09/18/10	13:54	
CCV	Be	489.25399	491.52456	486.98342	0.65631	ug/L	09/18/10	13:54	
CCV	Ca	4865.99023	4884.06689	4847.91308	0.52537	ug/L	09/18/10	13:54	
CCV	Cd	493.75497	496.04388	491.46606	0.65558	ug/L	09/18/10	13:54	
CCV	Co	482.28881	485.00704	479.57058	0.79706	ug/L	09/18/10	13:54	
CCV	Cr	4883.25048	4909.86621	4856.63476	0.77080	ug/L	09/18/10	13:54	
CCV	Cu	4845.51611	4865.55664	4825.47558	0.58490	ug/L	09/18/10	13:54	
CCV	Fe	4815.61035	4822.64257	4808.57763	0.20652	ug/L	09/18/10	13:54	
CCV	2Fe	4.81586	4.82289	4.80882	0.20658	mg/L	09/18/10	13:54	
CCV	K	9638.41308	9668.49707	9608.32910	0.44141	ug/L	09/18/10	13:54	
CCV	Mg	4840.68945	4865.64453	4815.73486	0.72905	ug/L	09/18/10	13:54	
CCV	2Mg	4.84071	4.86567	4.81576	0.72912	mg/L	09/18/10	13:54	
CCV	Mn	4891.55664	4915.19287	4867.92041	0.68335	ug/L	09/18/10	13:54	
CCV	Mo	493.76416	495.52633	492.00201	0.50470	ug/L	09/18/10	13:54	
CCV	Na	7163.53906	7407.12451	6919.95361	4.80882	ug/L	09/18/10	13:54	
CCV	Ni	2445.60839	2461.17089	2430.04614	0.89992	ug/L	09/18/10	13:54	
CCV	Pb	490.33056	491.58901	489.07211	0.36296	ug/L	09/18/10	13:54	
CCV	Se	4945.99121	4974.83154	4917.15087	0.82463	ug/L	09/18/10	13:54	
CCV	Sb	488.59423	488.15820	489.03030	0.12621	ug/L	09/18/10	13:54	
CCV	Sn	4878.58398	4906.09179	4851.07568	0.79740	ug/L	09/18/10	13:54	
CCV	Sr	2506.58374	2514.31567	2498.85180	0.43623	ug/L	09/18/10	13:54	
CCV	Ti	487.34222	490.02029	484.66412	0.77715	ug/L	09/18/10	13:54	
CCV	Tl	4960.60400	4980.29882	4940.90917	0.56147	ug/L	09/18/10	13:54	
CCV	V	4837.61718	4861.48535	4813.74951	0.69774	ug/L	09/18/10	13:54	
CCV	Zn	2448.56884	2461.12792	2436.01000	0.72536	ug/L	09/18/10	13:54	
CCV	2203/1	486.15051	489.70199	482.59902	1.03312	ug/L	09/18/10	13:54	
CCV	2203/2	492.41320	492.52685	492.29956	0.03263	ug/L	09/18/10	13:54	
CCV	1960/1	4860.34521	4883.54687	4837.14355	0.67509	ug/L	09/18/10	13:54	
CCV	1960/2	4988.75000	5020.40576	4957.09472	0.89737	ug/L	09/18/10	13:54	
CCV	Y	1011.35302	1005.57379	1017.13226	0.80813		09/18/10	13:54	
CCB	Ag	0.42589	0.45002	0.40175	8.01387	ug/L	09/18/10	13:59	
CCB	Al	18.15859	15.05910	21.25807	24.13916	ug/L	09/18/10	13:59	
CCB	2Al	0.01816	0.01506	0.02126	24.13908	mg/L	09/18/10	13:59	
CCB	As	-0.99048	-0.30795	-1.67301	97.45108	ug/L	09/18/10	13:59	
CCB	B	16.42517	19.49758	13.35275	26.45361	ug/L	09/18/10	13:59	
CCB	Ba	1.16386	0.33823	1.98950	100.32291	ug/L	09/18/10	13:59	
CCB	Be	0.09404	0.02157	0.16651	108.98246	ug/L	09/18/10	13:59	
CCB	Ca	2.71143	-0.35711	5.77998	160.04751	ug/L	09/18/10	13:59	
CCB	Cd	0.03392	-0.10879	0.17665	594.90643	ug/L	09/18/10	13:59	
CCB	Co	-0.28609	0.03960	-0.61180	160.99850	ug/L	09/18/10	13:59	
CCB	Cr	1.16013	0.84376	1.47650	38.56581	ug/L	09/18/10	13:59	
CCB	Cu	0.71312	0.49109	0.93515	44.03097	ug/L	09/18/10	13:59	
CCB	Fe	9.36440	11.39752	7.33128	30.70422	ug/L	09/18/10	13:59	
CCB	2Fe	0.00936	0.01139	0.00733	30.70352	mg/L	09/18/10	13:59	
CCB	K	7.88015	-9.40168	25.16200	310.14892	ug/L	09/18/10	13:59	
CCB	Mg	4.03640	4.03319	4.03961	0.11253	ug/L	09/18/10	13:59	
CCB	2Mg	0.00403	0.00403	0.00403	0.13753	mg/L	09/18/10	13:59	
CCB	Mn	1.23491	0.46009	2.00973	88.73215	ug/L	09/18/10	13:59	
CCB	Mo	-0.42324	-0.78120	-0.06528	119.60612	ug/L	09/18/10	13:59	
CCB	Na	-186.60050	-246.88775	-126.31325	45.69068	ug/L	09/18/10	13:59	
CCB	Ni	1.49475	0.58693	2.40258	85.89066	ug/L	09/18/10	13:59	
CCB	Pb	0.50879	0.52096	0.49662	3.38211	ug/L	09/18/10	13:59	
CCB	Se	5.50733	2.98680	8.02787	64.72406	ug/L	09/18/10	13:59	
CCB	Sb	1.54453	1.64637	1.44268	9.32529	ug/L	09/18/10	13:59	
CCB	Sn	0.24355	-0.51272	0.99982	439.13769	ug/L	09/18/10	13:59	
CCB	Sr	0.52967	0.17366	0.88568	95.05416	ug/L	09/18/10	13:59	
CCB	Ti	0.39407	0.34136	0.44679	18.91751	ug/L	09/18/10	13:59	
CCB	Tl	3.04144	1.10685	4.97602	89.95463	ug/L	09/18/10	13:59	
CCB	V	1.72672	0.35284	3.10060	112.52276	ug/L	09/18/10	13:59	
CCB	Zn	0.41251	0.05666	0.76837	121.99562	ug/L	09/18/10	13:59	
CCB	2203/1	2.57689	0.25047	4.90330	127.67524	ug/L	09/18/10	13:59	
CCB	2203/2	-0.52370	0.65600	-1.70342	318.56661	ug/L	09/18/10	13:59	
CCB	1960/1	5.77469	2.50146	9.04793	80.16087	ug/L	09/18/10	13:59	
CCB	1960/2	5.37385	3.22910	7.51860	56.44238	ug/L	09/18/10	13:59	
CCB	Y	998.46313	997.62072	999.30560	0.11932		09/18/10	13:59	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-1S	Ag	49.03544	48.80189	49.26900	0.67359	ug/L	09/18/10	14:04	
60980-1S	Al	274222.06250	274571.28125	273872.87500	0.18009	ug/L	09/18/10	14:04	
60980-1S	2Al	274.22674	274.57360	273.87988	0.17888	mg/L	09/18/10	14:04	
60980-1S	As	1994.15405	1994.48461	1993.82348	0.02344	ug/L	09/18/10	14:04	
60980-1S	B	1101.33032	1101.91711	1100.74340	0.07535	ug/L	09/18/10	14:04	
60980-1S	Ba	2625.87890	2628.87646	2622.88134	0.16143	ug/L	09/18/10	14:04	
60980-1S	Be	59.75827	59.79323	59.72330	0.08275	ug/L	09/18/10	14:04	
60980-1S	Ca	178182.21875	178182.75000	178181.67187	0.00042	ug/L	09/18/10	14:04	
60980-1S	Cd	50.37243	50.52756	50.21730	0.43553	ug/L	09/18/10	14:04	
60980-1S	Co	536.91503	537.31872	536.51141	0.10632	ug/L	09/18/10	14:04	
60980-1S	Cr	440.83441	440.85763	440.81115	0.00745	ug/L	09/18/10	14:04	
60980-1S	Cu	365.73660	365.66635	365.80685	0.02716	ug/L	09/18/10	14:04	
60980-1S	Fe	170542.96875	170646.93750	170438.98437	0.08622	ug/L	09/18/10	14:04	
60980-1S	2Fe	170.51705	170.61950	170.41461	0.08496	mg/L	09/18/10	14:04	
60980-1S	K	54936.32031	54961.10156	54911.54296	0.06378	ug/L	09/18/10	14:04	
60980-1S	Mg	53019.31250	53049.26171	52989.35937	0.07989	ug/L	09/18/10	14:04	
60980-1S	2Mg	52.97351	53.00343	52.94358	0.07988	mg/L	09/18/10	14:04	
60980-1S	Mn	3843.69433	3845.77856	3841.61010	0.07668	ug/L	09/18/10	14:04	
60980-1S	Mo	447.48513	445.37234	449.59793	0.66771	ug/L	09/18/10	14:04	
60980-1S	Na	10005.97851	10132.41699	9879.53906	1.78704	ug/L	09/18/10	14:04	
60980-1S	Ni	598.14709	596.12402	600.17022	0.47832	ug/L	09/18/10	14:04	
60980-1S	Pb	816.41485	818.66021	814.16949	0.38894	ug/L	09/18/10	14:04	
60980-1S	Se	1989.02929	1986.96215	1991.09631	0.14697	ug/L	09/18/10	14:04	
60980-1S	Sb	167.02311	164.19456	169.85166	2.39498	ug/L	09/18/10	14:04	
60980-1S	Sn	964.84338	968.10760	961.57922	0.47844	ug/L	09/18/10	14:04	
60980-1S	Sr	1075.29565	1077.20800	1073.38342	0.25150	ug/L	09/18/10	14:04	
60980-1S	Ti	2129.20141	2130.60986	2127.79296	0.09354	ug/L	09/18/10	14:04	
60980-1S	Tl	2044.82519	2054.85034	2034.80017	0.69334	ug/L	09/18/10	14:04	
60980-1S	V	780.00146	780.96893	779.03405	0.17540	ug/L	09/18/10	14:04	
60980-1S	Zn	1062.99926	1062.60412	1063.39428	0.05256	ug/L	09/18/10	14:04	
60980-1S	2203/1	843.52355	844.01495	843.03216	0.08238	ug/L	09/18/10	14:04	
60980-1S	2203/2	802.88085	806.00183	799.75982	0.54974	ug/L	09/18/10	14:04	
60980-1S	1960/1	1940.15869	1938.69836	1941.61889	0.10644	ug/L	09/18/10	14:04	
60980-1S	1960/2	2013.42797	2011.05786	2015.79797	0.16647	ug/L	09/18/10	14:04	
60980-1S	Y	1031.99511	1030.16613	1033.82409	0.25063		09/18/10	14:04	
60980-1SD	Ag	50.01165	50.57626	49.44703	1.59660	ug/L	09/18/10	14:09	
60980-1SD	Al	272588.50000	272167.59375	273009.40625	0.21836	ug/L	09/18/10	14:09	
60980-1SD	2Al	272.59924	272.16299	273.03552	0.22632	mg/L	09/18/10	14:09	
60980-1SD	As	2110.22827	2114.48852	2105.96801	0.28550	ug/L	09/18/10	14:09	
60980-1SD	B	1094.84252	1090.95141	1098.73352	0.50260	ug/L	09/18/10	14:09	
60980-1SD	Ba	2963.48608	2957.31176	2969.66040	0.29464	ug/L	09/18/10	14:09	
60980-1SD	Be	60.42536	60.31304	60.53769	0.26289	ug/L	09/18/10	14:09	
60980-1SD	Ca	124856.89062	124624.60156	125089.17968	0.26310	ug/L	09/18/10	14:09	
60980-1SD	Cd	50.04082	50.01984	50.06180	0.05928	ug/L	09/18/10	14:09	
60980-1SD	Co	550.03125	548.92401	551.13842	0.28468	ug/L	09/18/10	14:09	
60980-1SD	Cr	443.89129	443.20507	444.57751	0.21862	ug/L	09/18/10	14:09	
60980-1SD	Cu	365.78033	364.92510	366.63558	0.33066	ug/L	09/18/10	14:09	
60980-1SD	Fe	181044.40625	180610.20312	181478.59375	0.33916	ug/L	09/18/10	14:09	
60980-1SD	2Fe	181.02087	180.57632	181.46542	0.34730	mg/L	09/18/10	14:09	
60980-1SD	K	53334.14843	53201.31250	53466.98046	0.35222	ug/L	09/18/10	14:09	
60980-1SD	Mg	54335.16015	54232.82031	54437.50000	0.26636	ug/L	09/18/10	14:09	
60980-1SD	2Mg	54.28755	54.18275	54.39237	0.27303	mg/L	09/18/10	14:09	
60980-1SD	Mn	4687.55468	4678.36474	4696.74511	0.27726	ug/L	09/18/10	14:09	
60980-1SD	Mo	438.56774	438.33700	438.79846	0.07440	ug/L	09/18/10	14:09	
60980-1SD	Na	10102.35156	9986.50976	10218.19335	1.62165	ug/L	09/18/10	14:09	
60980-1SD	Ni	604.10571	603.94995	604.26153	0.03647	ug/L	09/18/10	14:09	
60980-1SD	Pb	653.65576	652.04919	655.26226	0.34758	ug/L	09/18/10	14:09	
60980-1SD	Se	1990.23547	1993.00415	1987.46679	0.19673	ug/L	09/18/10	14:09	
60980-1SD	Sb	145.74327	146.00715	145.47938	0.25606	ug/L	09/18/10	14:09	
60980-1SD	Sn	967.16485	966.23663	968.09307	0.13572	ug/L	09/18/10	14:09	
60980-1SD	Sr	1079.48754	1076.00817	1082.96691	0.45582	ug/L	09/18/10	14:09	
60980-1SD	Ti	1939.23339	1935.65405	1942.81262	0.26102	ug/L	09/18/10	14:09	
60980-1SD	Tl	2055.96533	2059.13305	2052.79785	0.21788	ug/L	09/18/10	14:09	
60980-1SD	V	792.63281	791.67993	793.58575	0.17001	ug/L	09/18/10	14:09	
60980-1SD	Zn	1055.65234	1053.30029	1058.00427	0.31508	ug/L	09/18/10	14:09	
60980-1SD	2203/1	687.03564	686.21905	687.85223	0.16808	ug/L	09/18/10	14:09	
60980-1SD	2203/2	636.99084	634.98986	638.99176	0.44423	ug/L	09/18/10	14:09	
60980-1SD	1960/1	1950.15844	1948.42541	1951.89160	0.12568	ug/L	09/18/10	14:09	
60980-1SD	1960/2	2010.24389	2015.26000	2005.22778	0.35288	ug/L	09/18/10	14:09	
60980-1SD	Y	1043.95520	1045.40002	1042.51037	0.19572		09/18/10	14:09	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-2	Ag	-0.00488	-0.25593	0.24616	7267.10644	ug/L	09/18/10	14:14	
60980-2	Al	256905.06250	257484.39062	256325.71875	0.31891	ug/L	09/18/10	14:14	
60980-2	2Al	256.90789	257.49011	256.32565	0.32050	mg/L	09/18/10	14:14	
60980-2	As	27.77357	29.00050	26.54663	6.24747	ug/L	09/18/10	14:14	
60980-2	B	210.96304	211.36259	210.56349	0.26784	ug/L	09/18/10	14:14	
60980-2	Ba	1651.13940	1656.18603	1646.09265	0.43225	ug/L	09/18/10	14:14	
60980-2	Be	10.98456	10.98677	10.98236	0.02841	ug/L	09/18/10	14:14	
60980-2	Ca	347191.75000	347751.68750	346631.81250	0.22807	ug/L	09/18/10	14:14	
60980-2	Cd	0.68919	0.28085	1.09753	83.78960	ug/L	09/18/10	14:14	
60980-2	Co	63.14137	62.41866	63.86407	1.61868	ug/L	09/18/10	14:14	
60980-2	Cr	229.01773	228.80128	229.23419	0.13366	ug/L	09/18/10	14:14	
60980-2	Cu	104.98220	104.53945	105.42497	0.59644	ug/L	09/18/10	14:14	
60980-2	Fe	175065.53125	175340.67187	174790.37500	0.22227	ug/L	09/18/10	14:14	
60980-2	2Fe	175.03762	175.31471	174.76054	0.22386	mg/L	09/18/10	14:14	
60980-2	K	49421.53906	49562.33593	49280.74218	0.40289	ug/L	09/18/10	14:14	
60980-2	Mg	53782.53906	53871.81250	53693.26562	0.23474	ug/L	09/18/10	14:14	
60980-2	2Mg	53.73427	53.82477	53.64378	0.23816	mg/L	09/18/10	14:14	
60980-2	Mn	3491.57275	3497.39013	3485.75537	0.23562	ug/L	09/18/10	14:14	
60980-2	Mo	1.00830	0.63053	1.38608	52.98496	ug/L	09/18/10	14:14	
60980-2	Na	1890.28588	1879.80761	1900.76403	0.78392	ug/L	09/18/10	14:14	
60980-2	Ni	128.26657	128.36999	128.16314	0.11403	ug/L	09/18/10	14:14	
60980-2	Pb	146.44261	147.85983	145.02539	1.36862	ug/L	09/18/10	14:14	
60980-2	Se	5.54307	5.82761	5.25853	7.25947	ug/L	09/18/10	14:14	
60980-2	Sb	1.48304	0.38640	2.57968	104.57424	ug/L	09/18/10	14:14	
60980-2	Sn	17.07704	15.94470	18.20938	9.37732	ug/L	09/18/10	14:14	
60980-2	Sr	921.41076	924.49835	918.32318	0.47389	ug/L	09/18/10	14:14	
60980-2	Ti	718.59918	720.18945	717.00891	0.31296	ug/L	09/18/10	14:14	
60980-2	Tl	13.93588	14.41829	13.45347	4.89549	ug/L	09/18/10	14:14	
60980-2	V	333.94143	333.86468	334.01818	0.03250	ug/L	09/18/10	14:14	
60980-2	Zn	509.53094	510.50323	508.55865	0.26986	ug/L	09/18/10	14:14	
60980-2	2203/1	184.27648	188.77989	179.77310	3.45609	ug/L	09/18/10	14:14	
60980-2	2203/2	127.55403	127.43048	127.67757	0.13697	ug/L	09/18/10	14:14	
60980-2	1960/1	1.34986	-1.75339	4.45312	325.12014	ug/L	09/18/10	14:14	
60980-2	1960/2	7.63654	9.61244	5.66064	36.59173	ug/L	09/18/10	14:14	
60980-2	Y	1034.87158	1033.00341	1036.73986	0.25530		09/18/10	14:14	
60980-3	Ag	-0.11861	0.38563	-0.62285	601.21679	ug/L	09/18/10	14:20	
60980-3	Al	264730.12500	264523.34375	264936.90625	0.11046	ug/L	09/18/10	14:20	
60980-3	2Al	264.74414	264.53186	264.95645	0.11340	mg/L	09/18/10	14:20	
60980-3	As	153.04345	152.30090	153.78602	0.68617	ug/L	09/18/10	14:20	
60980-3	B	133.89523	134.57325	133.21719	0.71614	ug/L	09/18/10	14:20	
60980-3	Ba	1556.62109	1556.47399	1556.76831	0.01336	ug/L	09/18/10	14:20	
60980-3	Be	10.32952	10.34016	10.31889	0.14560	ug/L	09/18/10	14:20	
60980-3	Ca	288303.81250	288299.87500	288307.75000	0.00193	ug/L	09/18/10	14:20	
60980-3	Cd	0.74436	0.85975	0.62896	21.92370	ug/L	09/18/10	14:20	
60980-3	Co	94.88403	94.90569	94.86237	0.03228	ug/L	09/18/10	14:20	
60980-3	Cr	236.87077	236.81259	236.92895	0.03473	ug/L	09/18/10	14:20	
60980-3	Cu	97.00152	97.67475	96.32829	0.98152	ug/L	09/18/10	14:20	
60980-3	Fe	170672.18750	170752.46875	170591.89062	0.06652	ug/L	09/18/10	14:20	
60980-3	2Fe	170.65209	170.72886	170.57531	0.06362	mg/L	09/18/10	14:20	
60980-3	K	46822.02734	46859.77343	46784.28125	0.11400	ug/L	09/18/10	14:20	
60980-3	Mg	51384.60937	51373.30468	51395.91015	0.03110	ug/L	09/18/10	14:20	
60980-3	2Mg	51.34180	51.32918	51.35441	0.03475	mg/L	09/18/10	14:20	
60980-3	Mn	6581.09082	6581.45947	6580.72265	0.00791	ug/L	09/18/10	14:20	
60980-3	Mo	1.42764	2.84691	0.00838	140.59118	ug/L	09/18/10	14:20	
60980-3	Na	1211.73510	1211.65246	1211.81774	0.00964	ug/L	09/18/10	14:20	
60980-3	Ni	127.82944	127.81318	127.84570	0.01798	ug/L	09/18/10	14:20	
60980-3	Pb	143.24166	143.71841	142.76490	0.47069	ug/L	09/18/10	14:20	
60980-3	Se	6.15015	7.25229	5.04801	25.34340	ug/L	09/18/10	14:20	
60980-3	Sb	-2.93679	-0.58267	-5.29091	113.36273	ug/L	09/18/10	14:20	
60980-3	Sn	18.07324	17.89475	18.25172	1.39664	ug/L	09/18/10	14:20	
60980-3	Sr	746.24670	745.05871	747.43463	0.22513	ug/L	09/18/10	14:20	
60980-3	Ti	1452.93896	1452.69897	1453.17907	0.02336	ug/L	09/18/10	14:20	
60980-3	Tl	1.66036	3.50959	-0.18885	157.50741	ug/L	09/18/10	14:20	
60980-3	V	324.87854	325.09075	324.66629	0.09238	ug/L	09/18/10	14:20	
60980-3	Zn	500.92578	500.61074	501.24081	0.08894	ug/L	09/18/10	14:20	
60980-3	2203/1	184.88917	190.14807	179.63027	4.02251	ug/L	09/18/10	14:20	
60980-3	2203/2	122.44911	120.53838	124.35985	2.20678	ug/L	09/18/10	14:20	
60980-3	1960/1	0.28082	8.09703	-7.53537	3936.14624	ug/L	09/18/10	14:20	
60980-3	1960/2	9.08042	6.83056	11.33028	35.04004	ug/L	09/18/10	14:20	
60980-3	Y	1031.32727	1031.26611	1031.38842	0.00838		09/18/10	14:20	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-4	Ag	-0.30786	-0.21379	-0.40194	43.21325	ug/L	09/18/10	14:25	
60980-4	Al	127629.17968	128318.80468	126939.55468	0.76414	ug/L	09/18/10	14:25	
60980-4	2Al	127.63031	128.32305	126.93756	0.76760	mg/L	09/18/10	14:25	
60980-4	As	24.61529	28.62899	20.60159	23.05976	ug/L	09/18/10	14:25	
60980-4	B	118.14523	119.23785	117.05261	1.30788	ug/L	09/18/10	14:25	
60980-4	Ba	1002.57434	1006.92108	998.22753	0.61314	ug/L	09/18/10	14:25	
60980-4	Be	5.28035	5.33941	5.22128	1.58201	ug/L	09/18/10	14:25	
60980-4	Ca	990207.50000	997294.37500	983120.68750	1.01214	ug/L	09/18/10	14:25	
60980-4	Cd	0.16448	0.13641	0.19255	24.13578	ug/L	09/18/10	14:25	
60980-4	Co	30.72356	30.75126	30.69585	0.12754	ug/L	09/18/10	14:25	
60980-4	Cr	127.47308	127.99665	126.94950	0.58086	ug/L	09/18/10	14:25	
60980-4	Cu	48.21568	48.78518	47.64619	1.67038	ug/L	09/18/10	14:25	
60980-4	Fe	86435.89062	86912.28906	85959.50000	0.77944	ug/L	09/18/10	14:25	
60980-4	2Fe	86.42227	86.90068	85.94387	0.78285	mg/L	09/18/10	14:25	
60980-4	K	25365.30078	25477.52343	25253.08007	0.62567	ug/L	09/18/10	14:25	
60980-4	Mg	28037.25976	28200.62695	27873.89257	0.82403	ug/L	09/18/10	14:25	
60980-4	2Mg	28.01350	28.17809	27.84891	0.83088	mg/L	09/18/10	14:25	
60980-4	Mn	1532.50549	1541.27551	1523.73547	0.80930	ug/L	09/18/10	14:25	
60980-4	Mo	-0.45911	-0.42536	-0.49285	10.39568	ug/L	09/18/10	14:25	
60980-4	Na	651.16064	693.10589	609.21533	9.10982	ug/L	09/18/10	14:25	
60980-4	Ni	63.54019	63.96788	63.11250	0.95190	ug/L	09/18/10	14:25	
60980-4	Pb	64.94963	65.48049	64.41875	1.15592	ug/L	09/18/10	14:25	
60980-4	Se	1.67531	4.18039	-0.82977	211.46685	ug/L	09/18/10	14:25	
60980-4	Sb	-0.65272	0.26561	-1.57107	198.96974	ug/L	09/18/10	14:25	
60980-4	Sn	14.09605	15.95523	12.23687	18.65257	ug/L	09/18/10	14:25	
60980-4	Sr	1140.92163	1147.16491	1134.67822	0.77388	ug/L	09/18/10	14:25	
60980-4	Ti	800.83776	805.04541	796.63006	0.74304	ug/L	09/18/10	14:25	
60980-4	Tl	4.35882	1.17664	7.54100	103.24532	ug/L	09/18/10	14:25	
60980-4	V	206.46176	207.69863	205.22489	0.84722	ug/L	09/18/10	14:25	
60980-4	Zn	234.10871	235.27420	232.94323	0.70404	ug/L	09/18/10	14:25	
60980-4	2203/1	82.05598	82.94849	81.16347	1.53821	ug/L	09/18/10	14:25	
60980-4	2203/2	56.40927	56.75960	56.05895	0.87828	ug/L	09/18/10	14:25	
60980-4	1960/1	-3.23203	-0.77105	-5.69301	107.68299	ug/L	09/18/10	14:25	
60980-4	1960/2	4.12530	6.65241	1.59820	86.63275	ug/L	09/18/10	14:25	
60980-4	Y	997.45922	993.66607	1001.25244	0.53780		09/18/10	14:25	
60980-5	Ag	0.50774	0.62322	0.39227	32.16187	ug/L	09/18/10	14:30	
60980-5	Al	206643.20312	205976.46875	207309.93750	0.45629	ug/L	09/18/10	14:30	
60980-5	2Al	206.64950	205.99052	207.30847	0.45097	mg/L	09/18/10	14:30	
60980-5	As	18.77667	21.80157	15.75178	22.78278	ug/L	09/18/10	14:30	
60980-5	B	118.70893	117.72443	119.69345	1.17287	ug/L	09/18/10	14:30	
60980-5	Ba	918.29766	915.75744	920.83789	0.39120	ug/L	09/18/10	14:30	
60980-5	Be	8.87678	8.86630	8.88726	0.16698	ug/L	09/18/10	14:30	
60980-5	Ca	507558.18750	506136.34375	508980.06250	0.39617	ug/L	09/18/10	14:30	
60980-5	Cd	0.47555	0.62876	0.32234	45.56105	ug/L	09/18/10	14:30	
60980-5	Co	42.87662	42.61153	43.14171	0.87435	ug/L	09/18/10	14:30	
60980-5	Cr	186.88162	185.58438	188.17887	0.98168	ug/L	09/18/10	14:30	
60980-5	Cu	81.75335	81.01840	82.48830	1.27135	ug/L	09/18/10	14:30	
60980-5	Fe	132025.68750	131543.56250	132507.79687	0.51642	ug/L	09/18/10	14:30	
60980-5	2Fe	132.00729	131.52980	132.48480	0.51155	mg/L	09/18/10	14:30	
60980-5	K	38541.71093	38485.08593	38598.33203	0.20776	ug/L	09/18/10	14:30	
60980-5	Mg	41038.29687	40899.39453	41177.19921	0.47866	ug/L	09/18/10	14:30	
60980-5	2Mg	41.00320	40.86574	41.14067	0.47411	mg/L	09/18/10	14:30	
60980-5	Mn	2251.84228	2244.73901	2258.94531	0.44609	ug/L	09/18/10	14:30	
60980-5	Mo	0.77722	2.17830	-0.62384	254.93414	ug/L	09/18/10	14:30	
60980-5	Na	432.83633	460.94754	404.72512	9.18482	ug/L	09/18/10	14:30	
60980-5	Ni	97.75436	98.79026	96.71846	1.49863	ug/L	09/18/10	14:30	
60980-5	Pb	103.39596	102.88989	103.90204	0.69219	ug/L	09/18/10	14:30	
60980-5	Se	5.77438	8.17772	3.37105	58.86042	ug/L	09/18/10	14:30	
60980-5	Sb	2.20124	3.89374	0.50875	108.73595	ug/L	09/18/10	14:30	
60980-5	Sn	17.44504	18.60426	16.28582	9.39743	ug/L	09/18/10	14:30	
60980-5	Sr	834.38952	832.13537	836.64361	0.38205	ug/L	09/18/10	14:30	
60980-5	Ti	721.96191	719.80023	724.12359	0.42344	ug/L	09/18/10	14:30	
60980-5	Tl	7.83905	11.18008	4.49801	60.27433	ug/L	09/18/10	14:30	
60980-5	V	284.21578	283.95886	284.47271	0.12784	ug/L	09/18/10	14:30	
60980-5	Zn	387.24151	386.01718	388.46588	0.44713	ug/L	09/18/10	14:30	
60980-5	2203/1	137.30450	140.67915	133.92987	3.47582	ug/L	09/18/10	14:30	
60980-5	2203/2	86.46711	84.02359	88.91064	3.99651	ug/L	09/18/10	14:30	
60980-5	1960/1	1.74082	9.11362	-5.63196	598.95031	ug/L	09/18/10	14:30	
60980-5	1960/2	7.78814	7.71047	7.86581	1.41033	ug/L	09/18/10	14:30	
60980-5	Y	1018.73425	1019.62036	1017.84814	0.12301		09/18/10	14:30	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-6	Ag	0.17790	0.11034	0.24547	53.70709	ug/L	09/18/10	14:35	
60980-6	Al	265973.31250	266535.65625	265411.00000	0.29899	ug/L	09/18/10	14:35	
60980-6	2Al	265.97726	266.53747	265.41705	0.29786	mg/L	09/18/10	14:35	
60980-6	As	21.09050	21.78638	20.39461	4.66622	ug/L	09/18/10	14:35	
60980-6	B	198.20236	198.45599	197.94874	0.18096	ug/L	09/18/10	14:35	
60980-6	Ba	1217.15600	1220.43750	1213.87451	0.38127	ug/L	09/18/10	14:35	
60980-6	Be	10.37348	10.37739	10.36957	0.05333	ug/L	09/18/10	14:35	
60980-6	Ca	351363.87500	351873.09375	350854.68750	0.20495	ug/L	09/18/10	14:35	
60980-6	Cd	0.74737	0.58621	0.90853	30.49555	ug/L	09/18/10	14:35	
60980-6	Co	58.51593	58.60664	58.42523	0.21921	ug/L	09/18/10	14:35	
60980-6	Cr	234.17794	234.07653	234.27935	0.06124	ug/L	09/18/10	14:35	
60980-6	Cu	94.72795	94.74227	94.71363	0.02137	ug/L	09/18/10	14:35	
60980-6	Fe	157689.62500	158053.93750	157325.31250	0.32672	ug/L	09/18/10	14:35	
60980-6	2Fe	157.66502	158.02827	157.30177	0.32582	mg/L	09/18/10	14:35	
60980-6	K	47026.24218	47133.98046	46918.50000	0.32400	ug/L	09/18/10	14:35	
60980-6	Mg	52554.98828	52642.34375	52467.63281	0.23506	ug/L	09/18/10	14:35	
60980-6	2Mg	52.51123	52.59849	52.42397	0.23500	mg/L	09/18/10	14:35	
60980-6	Mn	3075.54638	3082.00756	3069.08520	0.29710	ug/L	09/18/10	14:35	
60980-6	Mo	0.45907	1.18422	-0.26607	223.38858	ug/L	09/18/10	14:35	
60980-6	Na	1125.82763	1027.34497	1224.31030	12.37094	ug/L	09/18/10	14:35	
60980-6	Ni	120.63410	120.92696	120.34125	0.34331	ug/L	09/18/10	14:35	
60980-6	Pb	108.86996	110.03556	107.70436	1.51410	ug/L	09/18/10	14:35	
60980-6	Se	8.16262	4.52378	11.80146	63.04462	ug/L	09/18/10	14:35	
60980-6	Sb	0.39419	-2.76477	3.55315	1133.31567	ug/L	09/18/10	14:35	
60980-6	Sn	21.22596	19.97954	22.47238	8.30446	ug/L	09/18/10	14:35	
60980-6	Sr	869.29895	871.70019	866.89776	0.39064	ug/L	09/18/10	14:35	
60980-6	Ti	1335.11572	1337.38952	1332.84179	0.24085	ug/L	09/18/10	14:35	
60980-6	Tl	8.78749	9.24648	8.32850	7.38674	ug/L	09/18/10	14:35	
60980-6	V	288.07098	288.71533	287.42660	0.31633	ug/L	09/18/10	14:35	
60980-6	Zn	501.30419	501.32565	501.28274	0.00605	ug/L	09/18/10	14:35	
60980-6	2203/1	151.65075	152.13270	151.16882	0.44943	ug/L	09/18/10	14:35	
60980-6	2203/2	87.51164	89.01855	86.00472	2.43522	ug/L	09/18/10	14:35	
60980-6	1960/1	7.47025	3.42647	11.51402	76.55381	ug/L	09/18/10	14:35	
60980-6	1960/2	8.50829	5.07161	11.94497	57.12300	ug/L	09/18/10	14:35	
60980-6	Y	1035.50463	1032.29626	1038.71289	0.43816		09/18/10	14:35	
60980-7	Ag	0.57790	0.65078	0.50502	17.83432	ug/L	09/18/10	14:40	
60980-7	Al	63140.79687	63068.41015	63213.18750	0.16213	ug/L	09/18/10	14:40	
60980-7	2Al	63.14186	63.06835	63.21538	0.16464	mg/L	09/18/10	14:40	
60980-7	As	61.85466	62.60243	61.10689	1.70965	ug/L	09/18/10	14:40	
60980-7	B	103.76965	103.14472	104.39459	0.85168	ug/L	09/18/10	14:40	
60980-7	Ba	961.58782	960.68817	962.48748	0.13231	ug/L	09/18/10	14:40	
60980-7	Be	3.26955	3.25878	3.28032	0.46574	ug/L	09/18/10	14:40	
60980-7	Ca	1569605.75000	1569246.12500	1569965.50000	0.03240	ug/L	09/18/10	14:40	
60980-7	Cd	4.21647	4.42456	4.00838	6.97937	ug/L	09/18/10	14:40	
60980-7	Co	46.79951	46.33593	47.26309	1.40087	ug/L	09/18/10	14:40	
60980-7	Cr	149.09954	148.63410	149.56500	0.44147	ug/L	09/18/10	14:40	
60980-7	Cu	312.62344	311.83029	313.41659	0.35879	ug/L	09/18/10	14:40	
60980-7	Fe	416878.62500	416331.09375	417426.12500	0.18573	ug/L	09/18/10	14:40	
60980-7	2Fe	416.81414	416.25927	417.36901	0.18826	mg/L	09/18/10	14:40	
60980-7	K	14301.08789	14282.02441	14320.15234	0.18852	ug/L	09/18/10	14:40	
60980-7	Mg	21319.42773	21283.01171	21355.84375	0.24156	ug/L	09/18/10	14:40	
60980-7	2Mg	21.24219	21.20587	21.27850	0.24174	mg/L	09/18/10	14:40	
60980-7	Mn	4532.20117	4524.93603	4539.46582	0.22669	ug/L	09/18/10	14:40	
60980-7	Mo	8.89039	8.35686	9.42391	8.48689	ug/L	09/18/10	14:40	
60980-7	Na	688.24658	742.20593	634.28723	11.08760	ug/L	09/18/10	14:40	
60980-7	Ni	190.95321	191.19830	190.70812	0.18151	ug/L	09/18/10	14:40	
60980-7	Pb	1802.62158	1801.24877	1803.99426	0.10769	ug/L	09/18/10	14:40	
60980-7	Se	9.35350	10.59637	8.11063	18.79167	ug/L	09/18/10	14:40	
60980-7	Sb	7.08370	9.31418	4.85322	44.53006	ug/L	09/18/10	14:40	
60980-7	Sn	2446.38647	2443.16674	2449.60620	0.18612	ug/L	09/18/10	14:40	
60980-7	Sr	1854.08422	1853.37939	1854.78906	0.05376	ug/L	09/18/10	14:40	
60980-7	Ti	505.36169	504.15295	506.57046	0.33826	ug/L	09/18/10	14:40	
60980-7	Tl	8.25958	4.60089	11.91827	62.64441	ug/L	09/18/10	14:40	
60980-7	V	181.48219	182.31245	180.65193	0.64698	ug/L	09/18/10	14:40	
60980-7	Zn	2332.33251	2329.28100	2335.38403	0.18502	ug/L	09/18/10	14:40	
60980-7	2203/1	1781.59509	1786.94372	1776.24645	0.42456	ug/L	09/18/10	14:40	
60980-7	2203/2	1813.11901	1808.39062	1817.84741	0.36880	ug/L	09/18/10	14:40	
60980-7	1960/1	1.08910	7.34197	-5.16376	811.94110	ug/L	09/18/10	14:40	
60980-7	1960/2	13.47951	12.22113	14.73789	13.20234	ug/L	09/18/10	14:40	
60980-7	Y	984.26818	983.09399	985.44238	0.16871		09/18/10	14:40	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-8	Ag	-0.23536	-0.68199	0.21126	268.36123	ug/L	09/18/10	14:45	
60980-8	Al	109572.06250	109380.67968	109763.43750	0.24700	ug/L	09/18/10	14:45	
60980-8	2Al	109.57908	109.38770	109.77047	0.24700	mg/L	09/18/10	14:45	
60980-8	As	29.84072	28.62779	31.05365	5.74832	ug/L	09/18/10	14:45	
60980-8	B	76.74458	75.96447	77.52468	1.43754	ug/L	09/18/10	14:45	
60980-8	Ba	695.29162	693.79022	696.79309	0.30538	ug/L	09/18/10	14:45	
60980-8	Be	5.04364	5.03156	5.05572	0.33872	ug/L	09/18/10	14:45	
60980-8	Ca	1132710.50000	1128251.62500	1137169.25000	0.55669	ug/L	09/18/10	14:45	
60980-8	Cd	0.32229	0.27648	0.36811	20.10287	ug/L	09/18/10	14:45	
60980-8	Co	31.51535	31.41678	31.61393	0.44234	ug/L	09/18/10	14:45	
60980-8	Cr	118.30726	117.07503	119.53948	1.47297	ug/L	09/18/10	14:45	
60980-8	Cu	45.10231	45.13885	45.06576	0.11459	ug/L	09/18/10	14:45	
60980-8	Fe	87136.43750	86862.00781	87410.85937	0.44538	ug/L	09/18/10	14:45	
60980-8	2Fe	87.12692	86.85252	87.40132	0.44539	mg/L	09/18/10	14:45	
60980-8	K	21875.02343	21839.53710	21910.51171	0.22942	ug/L	09/18/10	14:45	
60980-8	Mg	24277.82812	24190.37304	24365.28515	0.50944	ug/L	09/18/10	14:45	
60980-8	2Mg	24.25625	24.16887	24.34364	0.50948	mg/L	09/18/10	14:45	
60980-8	Mn	1316.35778	1312.57031	1320.14526	0.40690	ug/L	09/18/10	14:45	
60980-8	Mo	1.71117	1.85007	1.57228	11.47906	ug/L	09/18/10	14:45	
60980-8	Na	521.66540	527.54724	515.78363	1.59453	ug/L	09/18/10	14:45	
60980-8	Ni	65.25704	65.80941	64.70467	1.19706	ug/L	09/18/10	14:45	
60980-8	Pb	76.17002	76.51159	75.82845	0.63418	ug/L	09/18/10	14:45	
60980-8	Se	9.20764	10.16956	8.24572	14.77426	ug/L	09/18/10	14:45	
60980-8	Sb	0.29754	-2.95070	3.54579	1543.88061	ug/L	09/18/10	14:45	
60980-8	Sn	28.88379	29.35169	28.41588	2.29096	ug/L	09/18/10	14:45	
60980-8	Sr	1071.96044	1070.39440	1073.52648	0.20660	ug/L	09/18/10	14:45	
60980-8	Ti	608.11199	606.73406	609.48992	0.32044	ug/L	09/18/10	14:45	
60980-8	Tl	5.50632	9.70972	1.30292	107.95777	ug/L	09/18/10	14:45	
60980-8	V	201.97454	201.92076	202.02833	0.03766	ug/L	09/18/10	14:45	
60980-8	Zn	217.84741	216.33349	219.36134	0.98280	ug/L	09/18/10	14:45	
60980-8	2203/1	94.58535	96.11058	93.06011	2.28048	ug/L	09/18/10	14:45	
60980-8	2203/2	66.97616	66.72679	67.22554	0.52655	ug/L	09/18/10	14:45	
60980-8	1960/1	7.92685	7.42935	8.42435	8.87582	ug/L	09/18/10	14:45	
60980-8	1960/2	9.84707	11.53761	8.15653	24.27910	ug/L	09/18/10	14:45	
60980-8	Y	1005.07617	1007.03167	1003.12066	0.27515		09/18/10	14:45	
60980-9	Ag	0.28364	0.07210	0.49519	105.47173	ug/L	09/18/10	14:50	
60980-9	Al	103086.51562	103311.96093	102861.07812	0.30927	ug/L	09/18/10	14:50	
60980-9	2Al	103.09307	103.31892	102.86722	0.30981	mg/L	09/18/10	14:50	
60980-9	As	44.99565	43.78268	46.20861	3.81234	ug/L	09/18/10	14:50	
60980-9	B	89.74757	90.39447	89.10067	1.01936	ug/L	09/18/10	14:50	
60980-9	Ba	1176.80786	1180.59106	1173.02453	0.45464	ug/L	09/18/10	14:50	
60980-9	Be	4.82118	4.85228	4.79008	0.91229	ug/L	09/18/10	14:50	
60980-9	Ca	1442203.25000	1447520.50000	1436885.87500	0.52141	ug/L	09/18/10	14:50	
60980-9	Cd	3.03491	2.98824	3.08157	2.17449	ug/L	09/18/10	14:50	
60980-9	Co	38.65727	39.11208	38.20246	1.66383	ug/L	09/18/10	14:50	
60980-9	Cr	124.52214	125.51222	123.53205	1.12444	ug/L	09/18/10	14:50	
60980-9	Cu	132.51469	133.01768	132.01170	0.53679	ug/L	09/18/10	14:50	
60980-9	Fe	95282.06250	95603.21875	94960.89843	0.47667	ug/L	09/18/10	14:50	
60980-9	2Fe	95.27244	95.59408	94.95079	0.47744	mg/L	09/18/10	14:50	
60980-9	K	21622.58593	21693.12109	21552.04882	0.46133	ug/L	09/18/10	14:50	
60980-9	Mg	23860.32812	23945.54101	23775.11523	0.50506	ug/L	09/18/10	14:50	
60980-9	2Mg	23.83745	23.92259	23.75232	0.50507	mg/L	09/18/10	14:50	
60980-9	Mn	1348.48901	1352.14562	1344.83251	0.38347	ug/L	09/18/10	14:50	
60980-9	Mo	2.61261	0.79776	4.42746	98.23808	ug/L	09/18/10	14:50	
60980-9	Na	568.90826	738.81311	399.00338	42.23559	ug/L	09/18/10	14:50	
60980-9	Ni	74.51197	75.48914	73.53481	1.85462	ug/L	09/18/10	14:50	
60980-9	Pb	736.10638	740.91467	731.29809	0.92377	ug/L	09/18/10	14:50	
60980-9	Se	4.77154	7.28390	2.25918	74.46247	ug/L	09/18/10	14:50	
60980-9	Sb	5.16760	6.27021	4.06500	30.17491	ug/L	09/18/10	14:50	
60980-9	Sn	102.58123	101.58601	103.57646	1.37204	ug/L	09/18/10	14:50	
60980-9	Sr	1616.71240	1620.44091	1612.98388	0.32615	ug/L	09/18/10	14:50	
60980-9	Ti	669.25354	671.24133	667.26580	0.42003	ug/L	09/18/10	14:50	
60980-9	Tl	2.37770	1.19583	3.55958	70.29566	ug/L	09/18/10	14:50	
60980-9	V	232.76715	233.41703	232.11727	0.39484	ug/L	09/18/10	14:50	
60980-9	Zn	1449.29052	1452.70996	1445.87121	0.33366	ug/L	09/18/10	14:50	
60980-9	2203/1	738.26666	737.46423	739.06909	0.15371	ug/L	09/18/10	14:50	
60980-9	2203/2	735.02789	742.63732	727.41845	1.46407	ug/L	09/18/10	14:50	
60980-9	1960/1	-2.83345	-3.06339	-2.60352	11.47622	ug/L	09/18/10	14:50	
60980-9	1960/2	8.56834	12.44979	4.68689	64.06365	ug/L	09/18/10	14:50	
60980-9	Y	996.31994	991.40496	1001.23498	0.69765		09/18/10	14:50	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	491.21380	490.58514	491.84246	0.18099	ug/L	09/18/10	14:56	
CCV	Al	4791.57910	4780.04736	4803.11035	0.34034	ug/L	09/18/10	14:56	
CCV	2Al	4.79171	4.78047	4.80294	0.33156	mg/L	09/18/10	14:56	
CCV	As	496.13714	494.37753	497.89672	0.50156	ug/L	09/18/10	14:56	
CCV	B	4988.09765	4978.87841	4997.31738	0.26138	ug/L	09/18/10	14:56	
CCV	Ba	4978.44726	4979.50683	4977.38769	0.03009	ug/L	09/18/10	14:56	
CCV	Be	500.31185	500.36630	500.25741	0.01538	ug/L	09/18/10	14:56	
CCV	Ca	4935.35937	4859.00097	5011.71777	2.18802	ug/L	09/18/10	14:56	
CCV	Cd	507.27905	506.44427	508.11386	0.23272	ug/L	09/18/10	14:56	
CCV	Co	491.09014	491.67608	490.50424	0.16873	ug/L	09/18/10	14:56	
CCV	Cr	4977.14746	4977.84521	4976.44921	0.01983	ug/L	09/18/10	14:56	
CCV	Cu	4906.18945	4908.43750	4903.94091	0.06480	ug/L	09/18/10	14:56	
CCV	Fe	4912.93847	4906.80371	4919.07324	0.17659	ug/L	09/18/10	14:56	
CCV	2Fe	4.91319	4.90706	4.91932	0.17654	mg/L	09/18/10	14:56	
CCV	K	9736.29101	9751.92871	9720.65429	0.22713	ug/L	09/18/10	14:56	
CCV	Mg	4920.04394	4920.48144	4919.60644	0.01257	ug/L	09/18/10	14:56	
CCV	2Mg	4.92006	4.92050	4.91962	0.01260	mg/L	09/18/10	14:56	
CCV	Mn	4967.26855	4966.91162	4967.62500	0.01015	ug/L	09/18/10	14:56	
CCV	Mo	507.40390	507.05908	507.74871	0.09610	ug/L	09/18/10	14:56	
CCV	Na	7081.27343	7326.74560	6835.80078	4.90237	ug/L	09/18/10	14:56	
CCV	Ni	2492.90917	2496.18334	2489.63476	0.18574	ug/L	09/18/10	14:56	
CCV	Pb	501.13232	501.09832	501.16629	0.00958	ug/L	09/18/10	14:56	
CCV	Se	5039.10742	5034.98095	5043.23437	0.11581	ug/L	09/18/10	14:56	
CCV	Sb	497.18167	498.69696	495.66638	0.43101	ug/L	09/18/10	14:56	
CCV	Sn	4977.24267	4977.39843	4977.08691	0.00442	ug/L	09/18/10	14:56	
CCV	Sr	2564.09570	2562.81884	2565.37231	0.07041	ug/L	09/18/10	14:56	
CCV	Ti	494.63687	494.87255	494.40118	0.06738	ug/L	09/18/10	14:56	
CCV	Tl	5075.32568	5084.22509	5066.42626	0.24797	ug/L	09/18/10	14:56	
CCV	V	4902.76464	4906.32373	4899.20556	0.10266	ug/L	09/18/10	14:56	
CCV	Zn	2494.20336	2493.84765	2494.55908	0.02016	ug/L	09/18/10	14:56	
CCV	2203/1	490.98141	490.76837	491.19445	0.06136	ug/L	09/18/10	14:56	
CCV	2203/2	506.19589	506.25131	506.14047	0.01548	ug/L	09/18/10	14:56	
CCV	1960/1	4927.01855	4906.88867	4947.14892	0.57779	ug/L	09/18/10	14:56	
CCV	1960/2	5095.06835	5098.93115	5091.20507	0.10722	ug/L	09/18/10	14:56	
CCV	Y	1003.00280	1006.49914	999.50640	0.49298		09/18/10	14:56	
CCB	Ag	0.75735	0.44756	1.06713	57.84714	ug/L	09/18/10	15:01	
CCB	Al	16.62789	14.44730	18.80848	18.54608	ug/L	09/18/10	15:01	
CCB	2Al	0.01662	0.01444	0.01881	18.54607	mg/L	09/18/10	15:01	
CCB	As	-4.32574	-2.89227	-5.75922	46.86438	ug/L	09/18/10	15:01	
CCB	B	15.92994	18.59574	13.26413	23.66624	ug/L	09/18/10	15:01	
CCB	Ba	0.39691	0.12932	0.66450	95.34200	ug/L	09/18/10	15:01	
CCB	Be	0.03982	0.01718	0.06246	80.38484	ug/L	09/18/10	15:01	
CCB	Ca	26.26217	6.16920	46.35514	108.20028	ug/L	09/18/10	15:01	
CCB	Cd	0.09974	-0.04768	0.24718	209.03424	ug/L	09/18/10	15:01	
CCB	Co	-0.50904	-0.63642	-0.38166	35.38817	ug/L	09/18/10	15:01	
CCB	Cr	-0.01581	-0.16593	0.13429	1341.95019	ug/L	09/18/10	15:01	
CCB	Cu	-1.16624	-1.76873	-0.56375	73.05873	ug/L	09/18/10	15:01	
CCB	Fe	9.38155	-3.05494	21.81805	187.47288	ug/L	09/18/10	15:01	
CCB	2Fe	0.00938	-0.00305	0.02181	187.47573	mg/L	09/18/10	15:01	
CCB	K	-10.34395	-6.61605	-14.07184	50.96739	ug/L	09/18/10	15:01	
CCB	Mg	-5.40100	-6.73567	-4.06633	34.94734	ug/L	09/18/10	15:01	
CCB	2Mg	-0.00540	-0.00673	-0.00406	34.88475	mg/L	09/18/10	15:01	
CCB	Mn	0.46007	0.11908	0.80105	104.81526	ug/L	09/18/10	15:01	
CCB	Mo	0.50888	-0.49245	1.51023	278.27590	ug/L	09/18/10	15:01	
CCB	Na	-186.49459	-307.23742	-65.75175	91.56091	ug/L	09/18/10	15:01	
CCB	Ni	1.18276	1.34691	1.01862	19.62656	ug/L	09/18/10	15:01	
CCB	Pb	0.06588	0.14431	-0.01254	168.33842	ug/L	09/18/10	15:01	
CCB	Se	4.85383	2.95964	6.74802	55.18906	ug/L	09/18/10	15:01	
CCB	Sb	-0.33878	-0.88769	0.21011	229.13236	ug/L	09/18/10	15:01	
CCB	Sn	-0.92130	-1.49094	-0.35167	87.43965	ug/L	09/18/10	15:01	
CCB	Sr	0.21032	0.03984	0.38080	114.63192	ug/L	09/18/10	15:01	
CCB	Ti	0.05762	0.19525	-0.08000	337.76971	ug/L	09/18/10	15:01	
CCB	Tl	2.32530	2.77523	1.87537	27.36405	ug/L	09/18/10	15:01	
CCB	V	0.59719	0.49504	0.69934	24.18963	ug/L	09/18/10	15:01	
CCB	Zn	0.05486	0.05379	0.05594	2.76719	ug/L	09/18/10	15:01	
CCB	2203/1	0.80948	0.69647	0.92250	19.74434	ug/L	09/18/10	15:01	
CCB	2203/2	-0.30535	-0.13134	-0.47936	80.58940	ug/L	09/18/10	15:01	
CCB	1960/1	7.17712	3.32138	11.03287	75.97537	ug/L	09/18/10	15:01	
CCB	1960/2	3.69393	2.77905	4.60881	35.02594	ug/L	09/18/10	15:01	
CCB	Y	999.34490	1001.95953	996.73028	0.37000		09/18/10	15:01	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60980-10	Ag	0.48683	1.13876	-0.16509	189.37940	ug/L	09/18/10	15:06	
60980-10	Al	257875.32812	257937.75000	257812.90625	0.03423	ug/L	09/18/10	15:06	
60980-10	2Al	257.88674	257.93753	257.83596	0.02784	mg/L	09/18/10	15:06	
60980-10	As	50.43706	50.28463	50.58948	0.42739	ug/L	09/18/10	15:06	
60980-10	B	144.30453	143.78814	144.82090	0.50606	ug/L	09/18/10	15:06	
60980-10	Ba	1028.72583	1029.00170	1028.45007	0.03791	ug/L	09/18/10	15:06	
60980-10	Be	9.60248	9.59700	9.60796	0.08071	ug/L	09/18/10	15:06	
60980-10	Ca	589789.50000	589467.75000	590111.25000	0.07715	ug/L	09/18/10	15:06	
60980-10	Cd	0.54116	0.58826	0.49405	12.30950	ug/L	09/18/10	15:06	
60980-10	Co	47.70671	47.85813	47.55529	0.44885	ug/L	09/18/10	15:06	
60980-10	Cr	220.74658	221.19076	220.30238	0.28457	ug/L	09/18/10	15:06	
60980-10	Cu	80.89031	80.93566	80.84497	0.07927	ug/L	09/18/10	15:06	
60980-10	Fe	147222.14062	147169.04687	147275.23437	0.05100	ug/L	09/18/10	15:06	
60980-10	2Fe	147.20364	147.14393	147.26336	0.05736	mg/L	09/18/10	15:06	
60980-10	K	40848.22265	40855.71484	40840.73046	0.02593	ug/L	09/18/10	15:06	
60980-10	Mg	57063.48437	57020.19531	57106.77734	0.10728	ug/L	09/18/10	15:06	
60980-10	2Mg	57.01993	56.97401	57.06585	0.11389	mg/L	09/18/10	15:06	
60980-10	Mn	2389.27636	2388.70605	2389.84692	0.03376	ug/L	09/18/10	15:06	
60980-10	Mo	1.65785	1.48423	1.83146	14.80981	ug/L	09/18/10	15:06	
60980-10	Na	890.96435	950.36126	831.56738	9.42798	ug/L	09/18/10	15:06	
60980-10	Ni	112.10096	111.43406	112.76786	0.84132	ug/L	09/18/10	15:06	
60980-10	Pb	96.11122	94.32740	97.89505	2.62478	ug/L	09/18/10	15:06	
60980-10	Se	7.47712	3.75376	11.20047	70.42306	ug/L	09/18/10	15:06	
60980-10	Sb	3.14325	3.57196	2.71454	19.28858	ug/L	09/18/10	15:06	
60980-10	Sn	20.05490	18.02636	22.08343	14.30466	ug/L	09/18/10	15:06	
60980-10	Sr	1487.21923	1484.70800	1489.73034	0.23878	ug/L	09/18/10	15:06	
60980-10	Ti	1231.75878	1230.86560	1232.65197	0.10254	ug/L	09/18/10	15:06	
60980-10	Tl	6.42421	7.76121	5.08721	29.43243	ug/L	09/18/10	15:06	
60980-10	V	341.10775	341.55661	340.65890	0.18609	ug/L	09/18/10	15:06	
60980-10	Zn	405.86383	405.16641	406.56127	0.24301	ug/L	09/18/10	15:06	
60980-10	2203/1	141.70385	139.60861	143.79910	2.09106	ug/L	09/18/10	15:06	
60980-10	2203/2	73.34909	71.72074	74.97744	3.13956	ug/L	09/18/10	15:06	
60980-10	1960/1	9.59364	4.94103	14.24626	68.58486	ug/L	09/18/10	15:06	
60980-10	1960/2	6.42044	3.16102	9.67987	71.79434	ug/L	09/18/10	15:06	
60980-10	Y	1016.43389	1015.15057	1017.71722	0.17855		09/18/10	15:06	
60961-1	Ag	1.01937	1.02178	1.01697	0.33310	ug/L	09/18/10	15:11	
60961-1	Al	114411.13281	114834.39062	113987.87500	0.52318	ug/L	09/18/10	15:11	
60961-1	2Al	114.41675	114.83612	113.99739	0.51834	mg/L	09/18/10	15:11	
60961-1	As	97.73927	99.61821	95.86032	2.71869	ug/L	09/18/10	15:11	
60961-1	B	137.56329	137.25329	137.87330	0.31869	ug/L	09/18/10	15:11	
60961-1	Ba	851.78558	854.54003	849.03112	0.45732	ug/L	09/18/10	15:11	
60961-1	Be	7.04180	7.06193	7.02166	0.40434	ug/L	09/18/10	15:11	
60961-1	Ca	147033.40625	147478.59375	146588.20312	0.42820	ug/L	09/18/10	15:11	
60961-1	Cd	2.70340	2.71797	2.68883	0.76231	ug/L	09/18/10	15:11	
60961-1	Co	82.97540	83.28942	82.66138	0.53521	ug/L	09/18/10	15:11	
60961-1	Cr	196.89294	198.11674	195.66912	0.87901	ug/L	09/18/10	15:11	
60961-1	Cu	369.64852	371.80612	367.49093	0.82545	ug/L	09/18/10	15:11	
60961-1	Fe	204079.26562	204632.25000	203526.28125	0.38320	ug/L	09/18/10	15:11	
60961-1	2Fe	204.05422	204.60020	203.50827	0.37838	mg/L	09/18/10	15:11	
60961-1	K	21847.89843	21922.08007	21773.71679	0.48017	ug/L	09/18/10	15:11	
60961-1	Mg	56882.12109	57063.13671	56701.10546	0.45004	ug/L	09/18/10	15:11	
60961-1	2Mg	56.83084	57.01042	56.65127	0.44687	mg/L	09/18/10	15:11	
60961-1	Mn	4298.23828	4313.19189	4283.28466	0.49200	ug/L	09/18/10	15:11	
60961-1	Mo	35.65120	34.45445	36.84795	4.74726	ug/L	09/18/10	15:11	
60961-1	Na	370.54241	438.20745	302.87741	25.82505	ug/L	09/18/10	15:11	
60961-1	Ni	275.80902	275.74688	275.87115	0.03185	ug/L	09/18/10	15:11	
60961-1	Pb	349.06964	350.90274	347.23657	0.74265	ug/L	09/18/10	15:11	
60961-1	Se	10.90055	5.92071	15.88040	64.60737	ug/L	09/18/10	15:11	
60961-1	Sb	5.31734	3.33200	7.30268	52.80262	ug/L	09/18/10	15:11	
60961-1	Sn	29.94034	30.14140	29.73927	0.94970	ug/L	09/18/10	15:11	
60961-1	Sr	263.39245	264.14691	262.63803	0.40507	ug/L	09/18/10	15:11	
60961-1	Ti	1329.36767	1333.97314	1324.76232	0.48993	ug/L	09/18/10	15:11	
60961-1	Tl	5.01695	5.09188	4.94203	2.11203	ug/L	09/18/10	15:11	
60961-1	V	273.63336	274.35351	272.91323	0.37218	ug/L	09/18/10	15:11	
60961-1	Zn	1155.36694	1158.04333	1152.69067	0.32759	ug/L	09/18/10	15:11	
60961-1	2203/1	363.05841	362.63586	363.48092	0.16458	ug/L	09/18/10	15:11	
60961-1	2203/2	342.08575	345.04495	339.12655	1.22335	ug/L	09/18/10	15:11	
60961-1	1960/1	11.29134	3.05054	19.53215	103.21402	ug/L	09/18/10	15:11	
60961-1	1960/2	10.70545	7.35364	14.05726	44.27812	ug/L	09/18/10	15:11	
60961-1	Y	1038.56445	1036.37316	1040.75561	0.29837		09/18/10	15:11	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60961-2	Ag	0.86581	1.06614	0.66549	32.72066	ug/L	09/18/10	15:16	
60961-2	Al	116762.82812	116099.65625	117426.00000	0.80322	ug/L	09/18/10	15:16	
60961-2	2Al	116.76429	116.10150	117.42708	0.80274	mg/L	09/18/10	15:16	
60961-2	As	93.27101	95.55503	90.98699	3.46311	ug/L	09/18/10	15:16	
60961-2	B	141.53887	141.58941	141.48832	0.05050	ug/L	09/18/10	15:16	
60961-2	Ba	785.75592	781.31097	790.20086	0.80000	ug/L	09/18/10	15:16	
60961-2	Be	6.63970	6.60617	6.67324	0.71426	ug/L	09/18/10	15:16	
60961-2	Ca	201929.81250	201138.89062	202720.75000	0.55392	ug/L	09/18/10	15:16	
60961-2	Cd	2.44900	2.54299	2.35500	5.42791	ug/L	09/18/10	15:16	
60961-2	Co	75.35047	75.74769	74.95324	0.74552	ug/L	09/18/10	15:16	
60961-2	Cr	183.60620	182.85047	184.36192	0.58208	ug/L	09/18/10	15:16	
60961-2	Cu	274.30163	273.26586	275.33737	0.53400	ug/L	09/18/10	15:16	
60961-2	Fe	193206.12500	192282.06250	194130.17187	0.67638	ug/L	09/18/10	15:16	
60961-2	2Fe	193.17532	192.25195	194.09869	0.67598	mg/L	09/18/10	15:16	
60961-2	K	21519.62500	21396.94726	21642.30273	0.80620	ug/L	09/18/10	15:16	
60961-2	Mg	73812.50000	73575.80468	74049.18750	0.45348	ug/L	09/18/10	15:16	
60961-2	2Mg	73.75444	73.51800	73.99087	0.45335	mg/L	09/18/10	15:16	
60961-2	Mn	4307.92480	4289.13574	4326.71337	0.61680	ug/L	09/18/10	15:16	
60961-2	Mo	38.51114	37.30838	39.71390	4.41680	ug/L	09/18/10	15:16	
60961-2	Na	294.04849	408.46456	179.63240	55.02792	ug/L	09/18/10	15:16	
60961-2	Ni	242.73825	241.88436	243.59213	0.49747	ug/L	09/18/10	15:16	
60961-2	Pb	276.72564	275.46630	277.98495	0.64358	ug/L	09/18/10	15:16	
60961-2	Se	11.23442	9.79247	12.67636	18.15151	ug/L	09/18/10	15:16	
60961-2	Sb	6.58471	8.97435	4.19507	51.32285	ug/L	09/18/10	15:16	
60961-2	Sn	23.45365	24.04976	22.85754	3.59442	ug/L	09/18/10	15:16	
60961-2	Sr	322.16503	320.48846	323.84161	0.73596	ug/L	09/18/10	15:16	
60961-2	Ti	1371.49853	1365.27294	1377.72399	0.64194	ug/L	09/18/10	15:16	
60961-2	Tl	8.18815	11.21880	5.15750	52.34372	ug/L	09/18/10	15:16	
60961-2	V	273.16387	272.31610	274.01165	0.43890	ug/L	09/18/10	15:16	
60961-2	Zn	953.97943	952.08111	955.87774	0.28141	ug/L	09/18/10	15:16	
60961-2	2203/1	294.60955	291.63626	297.58285	1.42727	ug/L	09/18/10	15:16	
60961-2	2203/2	267.79705	267.39343	268.20071	0.21315	ug/L	09/18/10	15:16	
60961-2	1960/1	8.03781	2.56513	13.51049	96.28914	ug/L	09/18/10	15:16	
60961-2	1960/2	12.83033	13.40073	12.25993	6.28721	ug/L	09/18/10	15:16	
60961-2	Y	1031.20947	1037.47314	1024.94567	0.85901		09/18/10	15:16	
60961-3	Ag	0.40217	0.40172	0.40263	0.16011	ug/L	09/18/10	15:21	
60961-3	Al	68273.82812	68156.56250	68391.08593	0.24289	ug/L	09/18/10	15:21	
60961-3	2Al	68.27786	68.16268	68.39304	0.23856	mg/L	09/18/10	15:21	
60961-3	As	288.42883	288.89050	287.96713	0.22637	ug/L	09/18/10	15:21	
60961-3	B	168.10311	168.31735	167.88888	0.18022	ug/L	09/18/10	15:21	
60961-3	Ba	503.30004	502.90557	503.69451	0.11084	ug/L	09/18/10	15:21	
60961-3	Be	5.67972	5.69929	5.66015	0.48723	ug/L	09/18/10	15:21	
60961-3	Ca	220161.68750	219911.17187	220412.18750	0.16091	ug/L	09/18/10	15:21	
60961-3	Cd	3.32354	3.00055	3.64654	13.74373	ug/L	09/18/10	15:21	
60961-3	Co	53.09479	53.28580	52.90378	0.50876	ug/L	09/18/10	15:21	
60961-3	Cr	143.03411	143.30067	142.76754	0.26355	ug/L	09/18/10	15:21	
60961-3	Cu	357.17541	356.82019	357.53067	0.14065	ug/L	09/18/10	15:21	
60961-3	Fe	200547.04687	200357.18750	200736.90625	0.13388	ug/L	09/18/10	15:21	
60961-3	2Fe	200.52499	200.34135	200.70861	0.12950	mg/L	09/18/10	15:21	
60961-3	K	15470.02734	15447.73730	15492.31738	0.20376	ug/L	09/18/10	15:21	
60961-3	Mg	62997.43359	62967.98828	63026.87890	0.06610	ug/L	09/18/10	15:21	
60961-3	2Mg	62.94410	62.91605	62.97216	0.06303	mg/L	09/18/10	15:21	
60961-3	Mn	2324.36328	2323.55371	2325.17260	0.04924	ug/L	09/18/10	15:21	
60961-3	Mo	247.51870	247.26660	247.77079	0.14403	ug/L	09/18/10	15:21	
60961-3	Na	859.24499	783.08355	935.40643	12.53525	ug/L	09/18/10	15:21	
60961-3	Ni	225.85531	226.75625	224.95439	0.56412	ug/L	09/18/10	15:21	
60961-3	Pb	475.16101	472.08047	478.24154	0.91685	ug/L	09/18/10	15:21	
60961-3	Se	7.36909	8.60329	6.13488	23.68577	ug/L	09/18/10	15:21	
60961-3	Sb	8.18667	6.47378	9.89956	29.58943	ug/L	09/18/10	15:21	
60961-3	Sn	31.50130	32.30830	30.69431	3.62290	ug/L	09/18/10	15:21	
60961-3	Sr	323.10070	323.04138	323.16000	0.02596	ug/L	09/18/10	15:21	
60961-3	Ti	1804.20495	1803.00622	1805.40368	0.09396	ug/L	09/18/10	15:21	
60961-3	Tl	1.28481	-3.14720	5.71682	487.83947	ug/L	09/18/10	15:21	
60961-3	V	195.56820	195.02478	196.11164	0.39297	ug/L	09/18/10	15:21	
60961-3	Zn	1496.35253	1494.16833	1498.53674	0.20643	ug/L	09/18/10	15:21	
60961-3	2203/1	477.85620	473.70330	482.00906	1.22904	ug/L	09/18/10	15:21	
60961-3	2203/2	473.81542	471.27026	476.36062	0.75966	ug/L	09/18/10	15:21	
60961-3	1960/1	1.26053	-1.67261	4.19369	329.07495	ug/L	09/18/10	15:21	
60961-3	1960/2	10.41879	13.73354	7.10403	44.99347	ug/L	09/18/10	15:21	
60961-3	Y	998.50244	999.37548	997.62945	0.12364		09/18/10	15:21	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60920-1	Ag	962.29040	965.47436	959.10644	0.46792	ug/L	09/18/10	15:27	
60920-1	Al	42492.05468	42653.89453	42330.21093	0.53863	ug/L	09/18/10	15:27	
60920-1	2Al	42.49370	42.65330	42.33411	0.53112	mg/L	09/18/10	15:27	
60920-1	As	576.08666	575.96160	576.21173	0.03070	ug/L	09/18/10	15:27	
60920-1	B	2560.66601	2569.62597	2551.70581	0.49485	ug/L	09/18/10	15:27	
60920-1	Ba	3631.95605	3646.11523	3617.79711	0.55132	ug/L	09/18/10	15:27	
60920-1	Be	1.46576	1.47186	1.45965	0.58879	ug/L	09/18/10	15:27	
60920-1	Ca	284212.28125	284978.71875	283445.84375	0.38137	ug/L	09/18/10	15:27	
60920-1	Cd	71646.29687	71748.96875	71543.61718	0.20266	ug/L	09/18/10	15:27	
60920-1	Co	238.73182	239.00662	238.45703	0.16278	ug/L	09/18/10	15:27	
60920-1	Cr	42264.04687	42405.16406	42122.93359	0.47219	ug/L	09/18/10	15:27	
60920-1	Cu	47700.29687	47901.71093	47498.88671	0.59714	ug/L	09/18/10	15:27	
60920-1	Fe	2689104.25000	2700992.75000	2677215.75000	0.62522	ug/L	09/18/10	15:27	
60920-1	2Fe	2688.74755	2700.49291	2677.00219	0.61777	mg/L	09/18/10	15:27	
60920-1	K	106204.85937	106601.51562	105808.21093	0.52817	ug/L	09/18/10	15:27	
60920-1	Mg	209406.96875	209911.95312	208902.00000	0.34103	ug/L	09/18/10	15:27	
60920-1	2Mg	208.97039	209.46173	208.47908	0.33250	mg/L	09/18/10	15:27	
60920-1	Mn	233701.65625	234267.06250	233136.26562	0.34214	ug/L	09/18/10	15:27	
60920-1	Mo	1044.08483	1043.88562	1044.28405	0.02698	ug/L	09/18/10	15:27	
60920-1	Na	173984.46875	173954.40625	174014.53125	0.02443	ug/L	09/18/10	15:27	
60920-1	Ni	3957.67578	3969.35668	3945.99511	0.41739	ug/L	09/18/10	15:27	
60920-1	Pb	162259.54687	162740.39062	161778.70312	0.41909	ug/L	09/18/10	15:27	
60920-1	Se	196.40281	197.87437	194.93125	1.05960	ug/L	09/18/10	15:27	
60920-1	Sb	1563.51489	1563.64050	1563.38916	0.01136	ug/L	09/18/10	15:27	
60920-1	Sn	5581.60400	5600.49511	5562.71289	0.47864	ug/L	09/18/10	15:27	
60920-1	Sr	471.07882	473.27072	468.88693	0.65802	ug/L	09/18/10	15:27	
60920-1	Ti	2913.15893	2923.56494	2902.75292	0.50516	ug/L	09/18/10	15:27	
60920-1	Tl	-19.63003	-20.37053	-18.88954	5.33476	ug/L	09/18/10	15:27	
60920-1	V	5786.96191	5809.68505	5764.23828	0.55531	ug/L	09/18/10	15:27	
60920-1	Zn	423928.12500	425284.37500	422571.84375	0.45244	ug/L	09/18/10	15:27	
60920-1	2203/1	158842.90625	159223.71875	158462.09375	0.33904	ug/L	09/18/10	15:27	
60920-1	2203/2	163965.31250	164496.09375	163434.53125	0.45780	ug/L	09/18/10	15:27	
60920-1	1960/1	195.24896	197.52038	192.97752	1.64522	ug/L	09/18/10	15:27	
60920-1	1960/2	196.97885	198.05108	195.90663	0.76980	ug/L	09/18/10	15:27	
60920-1	Y	923.09710	920.26422	925.92999	0.43400		09/18/10	15:27	
60920-1 1/20	Ag	45.38481	45.18271	45.58691	0.62975	ug/L	09/18/10	15:32	
60920-1 1/20	Al	2028.39172	2029.98706	2026.79638	0.11122	ug/L	09/18/10	15:32	
60920-1 1/20	2Al	2.02848	2.02998	2.02699	0.10430	mg/L	09/18/10	15:32	
60920-1 1/20	As	28.40170	26.72288	30.08053	8.35942	ug/L	09/18/10	15:32	
60920-1 1/20	B	138.77551	137.60737	139.94363	1.19040	ug/L	09/18/10	15:32	
60920-1 1/20	Ba	174.90274	175.40107	174.40441	0.40293	ug/L	09/18/10	15:32	
60920-1 1/20	Be	0.06057	0.04888	0.07226	27.28634	ug/L	09/18/10	15:32	
60920-1 1/20	Ca	14344.81835	14387.09277	14302.54394	0.41677	ug/L	09/18/10	15:32	
60920-1 1/20	Cd	4316.96484	4326.44824	4307.48095	0.31067	ug/L	09/18/10	15:32	
60920-1 1/20	Co	12.76574	12.70480	12.82668	0.67508	ug/L	09/18/10	15:32	
60920-1 1/20	Cr	2227.89257	2235.42431	2220.36108	0.47808	ug/L	09/18/10	15:32	
60920-1 1/20	Cu	2222.53222	2230.67333	2214.39086	0.51803	ug/L	09/18/10	15:32	
60920-1 1/20	Fe	144065.95312	144589.75000	143542.15625	0.51418	ug/L	09/18/10	15:32	
60920-1 1/20	2Fe	144.04859	144.56666	143.53053	0.50861	mg/L	09/18/10	15:32	
60920-1 1/20	K	4525.15087	4531.84960	4518.45214	0.20935	ug/L	09/18/10	15:32	
60920-1 1/20	Mg	10980.62500	11017.03515	10944.21484	0.46893	ug/L	09/18/10	15:32	
60920-1 1/20	2Mg	10.95995	10.99629	10.92361	0.46890	mg/L	09/18/10	15:32	
60920-1 1/20	Mn	16949.46484	17015.52539	16883.40234	0.55119	ug/L	09/18/10	15:32	
60920-1 1/20	Mo	51.53274	52.71006	50.35543	3.23090	ug/L	09/18/10	15:32	
60920-1 1/20	Na	5446.15820	5443.04101	5449.27587	0.08095	ug/L	09/18/10	15:32	
60920-1 1/20	Ni	214.09594	214.14964	214.04225	0.03546	ug/L	09/18/10	15:32	
60920-1 1/20	Pb	8748.73046	8775.00585	8722.45410	0.42474	ug/L	09/18/10	15:32	
60920-1 1/20	Se	10.57846	9.92829	11.22863	8.69199	ug/L	09/18/10	15:32	
60920-1 1/20	Sb	74.64077	71.01749	78.26406	6.86501	ug/L	09/18/10	15:32	
60920-1 1/20	Sn	295.48278	295.53369	295.43191	0.02435	ug/L	09/18/10	15:32	
60920-1 1/20	Sr	23.11791	23.19968	23.03613	0.50027	ug/L	09/18/10	15:32	
60920-1 1/20	Ti	146.82632	147.21696	146.43568	0.37626	ug/L	09/18/10	15:32	
60920-1 1/20	Tl	5.24874	5.27893	5.21854	0.81367	ug/L	09/18/10	15:32	
60920-1 1/20	V	285.32275	287.91400	282.73153	1.28435	ug/L	09/18/10	15:32	
60920-1 1/20	Zn	75420.51562	75565.61718	75275.42187	0.27207	ug/L	09/18/10	15:32	
60920-1 1/20	2203/1	8511.17382	8537.05761	8485.29101	0.43007	ug/L	09/18/10	15:32	
60920-1 1/20	2203/2	8867.33007	8893.80175	8840.85839	0.42218	ug/L	09/18/10	15:32	
60920-1 1/20	1960/1	8.93179	10.25807	7.60550	20.99970	ug/L	09/18/10	15:32	
60920-1 1/20	1960/2	11.40056	9.76364	13.03747	20.30557	ug/L	09/18/10	15:32	
60920-1 1/20	Y	1002.57934	999.75958	1005.39916	0.39775		09/18/10	15:32	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60920-1 1/100	Ag	8.77501	9.26350	8.28651	7.87275	ug/L	09/18/10	15:37	
60920-1 1/100	Al	420.18060	423.47885	416.88238	1.11009	ug/L	09/18/10	15:37	
60920-1 1/100	2Al	0.42022	0.42352	0.41692	1.11009	mg/L	09/18/10	15:37	
60920-1 1/100	As	0.98686	-1.04574	3.01946	291.28076	ug/L	09/18/10	15:37	
60920-1 1/100	B	30.85567	31.16659	30.54474	1.42507	ug/L	09/18/10	15:37	
60920-1 1/100	Ba	35.02907	35.40888	34.64926	1.53339	ug/L	09/18/10	15:37	
60920-1 1/100	Be	-0.00441	-0.00762	-0.00119	103.20808	ug/L	09/18/10	15:37	
60920-1 1/100	Ca	2876.67626	2895.77270	2857.57958	0.93881	ug/L	09/18/10	15:37	
60920-1 1/100	Cd	868.98443	874.84088	863.12799	0.95309	ug/L	09/18/10	15:37	
60920-1 1/100	Co	2.39038	2.44473	2.33603	3.21550	ug/L	09/18/10	15:37	
60920-1 1/100	Cr	445.94082	448.81842	443.06323	0.91257	ug/L	09/18/10	15:37	
60920-1 1/100	Cu	444.65057	448.35757	440.94360	1.17900	ug/L	09/18/10	15:37	
60920-1 1/100	Fe	28909.89648	29119.00390	28700.78906	1.02291	ug/L	09/18/10	15:37	
60920-1 1/100	2Fe	28.90623	29.11380	28.69866	1.01551	mg/L	09/18/10	15:37	
60920-1 1/100	K	889.53845	912.74053	866.33630	3.68873	ug/L	09/18/10	15:37	
60920-1 1/100	Mg	2191.10791	2204.71777	2177.49804	0.87842	ug/L	09/18/10	15:37	
60920-1 1/100	2Mg	2.18696	2.20054	2.17338	0.87821	mg/L	09/18/10	15:37	
60920-1 1/100	Mn	3407.94848	3432.82397	3383.07299	1.03227	ug/L	09/18/10	15:37	
60920-1 1/100	Mo	12.22184	13.54527	10.89841	15.31366	ug/L	09/18/10	15:37	
60920-1 1/100	Na	904.85424	970.10406	839.60449	10.19801	ug/L	09/18/10	15:37	
60920-1 1/100	Ni	43.71920	45.16566	42.27274	4.67895	ug/L	09/18/10	15:37	
60920-1 1/100	Pb	1752.99291	1763.80053	1742.18518	0.87190	ug/L	09/18/10	15:37	
60920-1 1/100	Se	4.28729	6.11623	2.45836	60.32958	ug/L	09/18/10	15:37	
60920-1 1/100	Sb	14.74902	19.93243	9.56562	49.70117	ug/L	09/18/10	15:37	
60920-1 1/100	Sn	58.12330	58.93301	57.31359	1.97013	ug/L	09/18/10	15:37	
60920-1 1/100	Sr	4.55874	4.58781	4.52967	0.90183	ug/L	09/18/10	15:37	
60920-1 1/100	Ti	29.63153	29.88685	29.37620	1.21858	ug/L	09/18/10	15:37	
60920-1 1/100	Tl	3.40147	2.66911	4.13383	30.44899	ug/L	09/18/10	15:37	
60920-1 1/100	V	56.70034	57.52015	55.88054	2.04475	ug/L	09/18/10	15:37	
60920-1 1/100	Zn	16261.99316	16358.49316	16165.49316	0.83920	ug/L	09/18/10	15:37	
60920-1 1/100	2203/1	1710.94384	1723.93457	1697.95300	1.07377	ug/L	09/18/10	15:37	
60920-1 1/100	2203/2	1773.98596	1783.70373	1764.26818	0.77469	ug/L	09/18/10	15:37	
60920-1 1/100	1960/1	5.95372	7.02456	4.88289	25.43596	ug/L	09/18/10	15:37	
60920-1 1/100	1960/2	3.45533	5.66275	1.24791	90.34632	ug/L	09/18/10	15:37	
60920-1 1/100	Y	1023.58813	1017.86560	1029.31066	0.79063		09/18/10	15:37	
61005-1	Ag	0.30496	0.68150	-0.07156	174.60740	ug/L	09/18/10	15:42	
61005-1	Al	79960.73437	79864.85937	80056.60156	0.16956	ug/L	09/18/10	15:42	
61005-1	2Al	79.96405	79.86916	80.05894	0.16781	mg/L	09/18/10	15:42	
61005-1	As	23.29208	22.72239	23.86177	3.45896	ug/L	09/18/10	15:42	
61005-1	B	421.33050	421.98178	420.67926	0.21859	ug/L	09/18/10	15:42	
61005-1	Ba	325.27239	325.06155	325.48324	0.09167	ug/L	09/18/10	15:42	
61005-1	Be	1.29477	1.29819	1.29136	0.37320	ug/L	09/18/10	15:42	
61005-1	Ca	225700.03125	225475.09375	225924.98437	0.14094	ug/L	09/18/10	15:42	
61005-1	Cd	0.20977	0.18477	0.23478	16.85838	ug/L	09/18/10	15:42	
61005-1	Co	9.33074	9.69525	8.96622	5.52472	ug/L	09/18/10	15:42	
61005-1	Cr	220.71018	220.59730	220.82307	0.07233	ug/L	09/18/10	15:42	
61005-1	Cu	298.42346	298.62698	298.21990	0.09645	ug/L	09/18/10	15:42	
61005-1	Fe	293835.62500	293336.96875	294334.31250	0.24000	ug/L	09/18/10	15:42	
61005-1	2Fe	293.79742	293.30288	294.29199	0.23805	mg/L	09/18/10	15:42	
61005-1	K	1174.26171	1184.74060	1163.78295	1.26200	ug/L	09/18/10	15:42	
61005-1	Mg	9166.74804	9152.41406	9181.08203	0.22113	ug/L	09/18/10	15:42	
61005-1	2Mg	9.11291	9.09867	9.12716	0.22103	mg/L	09/18/10	15:42	
61005-1	Mn	921.59387	920.55285	922.63494	0.15975	ug/L	09/18/10	15:42	
61005-1	Mo	13.58426	14.72044	12.44808	11.82839	ug/L	09/18/10	15:42	
61005-1	Na	34.56206	146.78240	-77.65828	459.18423	ug/L	09/18/10	15:42	
61005-1	Ni	87.74560	88.28060	87.21060	0.86227	ug/L	09/18/10	15:42	
61005-1	Pb	53.90260	54.36001	53.44519	1.20007	ug/L	09/18/10	15:42	
61005-1	Se	6.67997	5.34521	8.01473	28.25810	ug/L	09/18/10	15:42	
61005-1	Sb	182.66836	184.81549	180.52122	1.66230	ug/L	09/18/10	15:42	
61005-1	Sn	348.43927	351.37582	345.50271	1.19186	ug/L	09/18/10	15:42	
61005-1	Sr	195.31494	195.03211	195.59776	0.20478	ug/L	09/18/10	15:42	
61005-1	Ti	917.51580	916.99114	918.04046	0.08086	ug/L	09/18/10	15:42	
61005-1	Tl	5.89844	10.59866	1.19822	112.69261	ug/L	09/18/10	15:42	
61005-1	V	231.18130	231.50387	230.85874	0.19732	ug/L	09/18/10	15:42	
61005-1	Zn	352.49230	352.10607	352.87854	0.15495	ug/L	09/18/10	15:42	
61005-1	2203/1	68.79108	70.98224	66.59992	4.50461	ug/L	09/18/10	15:42	
61005-1	2203/2	46.46952	46.06135	46.87768	1.24218	ug/L	09/18/10	15:42	
61005-1	1960/1	1.40333	1.36221	1.44445	4.14388	ug/L	09/18/10	15:42	
61005-1	1960/2	9.31433	7.33372	11.29494	30.07195	ug/L	09/18/10	15:42	
61005-1	Y	1004.34716	1004.43884	1004.25555	0.01290		09/18/10	15:42	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61005-2	Ag	-0.72798	-1.38387	-0.07209	127.41582	ug/L	09/18/10	15:47	
61005-2	Al	67797.10937	68171.17968	67423.03906	0.78029	ug/L	09/18/10	15:47	
61005-2	2Al	67.79977	68.17651	67.42302	0.78583	mg/L	09/18/10	15:47	
61005-2	As	15.11915	17.78101	12.45729	24.89848	ug/L	09/18/10	15:47	
61005-2	B	220.59158	223.25453	217.92864	1.70721	ug/L	09/18/10	15:47	
61005-2	Ba	83.92599	84.20356	83.64841	0.46773	ug/L	09/18/10	15:47	
61005-2	Be	0.73011	0.73740	0.72282	1.41183	ug/L	09/18/10	15:47	
61005-2	Ca	64950.31250	65288.78906	64611.83593	0.73699	ug/L	09/18/10	15:47	
61005-2	Cd	-1.34826	-1.44512	-1.25141	10.15918	ug/L	09/18/10	15:47	
61005-2	Co	3.18576	2.91198	3.45955	12.15387	ug/L	09/18/10	15:47	
61005-2	Cr	97.89654	98.68952	97.10356	1.14553	ug/L	09/18/10	15:47	
61005-2	Cu	104.47201	104.76586	104.17816	0.39777	ug/L	09/18/10	15:47	
61005-2	Fe	150767.64062	151573.09375	149962.18750	0.75552	ug/L	09/18/10	15:47	
61005-2	2Fe	150.74783	151.55882	149.93684	0.76081	mg/L	09/18/10	15:47	
61005-2	K	596.73321	603.73876	589.72766	1.66026	ug/L	09/18/10	15:47	
61005-2	Mg	3075.64013	3095.41674	3055.86376	0.90934	ug/L	09/18/10	15:47	
61005-2	2Mg	3.04842	3.06805	3.02879	0.91062	mg/L	09/18/10	15:47	
61005-2	Mn	357.80209	359.70620	355.89797	0.75260	ug/L	09/18/10	15:47	
61005-2	Mo	5.19290	5.73919	4.64661	14.87749	ug/L	09/18/10	15:47	
61005-2	Na	-21.35856	24.70829	-67.42542	305.02224	ug/L	09/18/10	15:47	
61005-2	Ni	34.77225	35.41460	34.12990	2.61249	ug/L	09/18/10	15:47	
61005-2	Pb	73.05468	73.19175	72.91761	0.26535	ug/L	09/18/10	15:47	
61005-2	Se	0.99655	3.29433	-1.30123	326.07992	ug/L	09/18/10	15:47	
61005-2	Sb	34.25197	34.67693	33.82702	1.75457	ug/L	09/18/10	15:47	
61005-2	Sn	69.87144	68.03401	71.70887	3.71900	ug/L	09/18/10	15:47	
61005-2	Sr	80.95974	81.37530	80.54419	0.72589	ug/L	09/18/10	15:47	
61005-2	Ti	604.34020	607.35034	601.33013	0.70439	ug/L	09/18/10	15:47	
61005-2	Tl	4.59428	7.84019	1.34837	99.91561	ug/L	09/18/10	15:47	
61005-2	V	236.51440	237.73881	235.28997	0.73212	ug/L	09/18/10	15:47	
61005-2	Zn	112.00877	112.38950	111.62804	0.48070	ug/L	09/18/10	15:47	
61005-2	2203/1	83.05106	82.76904	83.33308	0.48023	ug/L	09/18/10	15:47	
61005-2	2203/2	68.06398	68.41029	67.71767	0.71955	ug/L	09/18/10	15:47	
61005-2	1960/1	-2.46530	-1.19997	-3.73064	72.58538	ug/L	09/18/10	15:47	
61005-2	1960/2	2.72488	5.53812	-0.08834	146.00666	ug/L	09/18/10	15:47	
61005-2	Y	1012.29150	1008.86499	1015.71801	0.47869		09/18/10	15:47	
CCV	Ag	488.23059	487.39669	489.06448	0.24154	ug/L	09/18/10	15:52	
CCV	Al	4738.97705	4708.58056	4769.37353	0.90709	ug/L	09/18/10	15:52	
CCV	2Al	4.73910	4.70880	4.76940	0.90418	mg/L	09/18/10	15:52	
CCV	As	495.13952	495.23965	495.03939	0.02859	ug/L	09/18/10	15:52	
CCV	B	4974.58203	4952.17919	4996.98437	0.63687	ug/L	09/18/10	15:52	
CCV	Ba	4948.78955	4937.24121	4960.33789	0.33001	ug/L	09/18/10	15:52	
CCV	Be	501.06625	500.01986	502.11264	0.29533	ug/L	09/18/10	15:52	
CCV	Ca	4855.76074	4837.30712	4874.21435	0.53745	ug/L	09/18/10	15:52	
CCV	Cd	508.32098	506.11273	510.52923	0.61436	ug/L	09/18/10	15:52	
CCV	Co	490.19259	488.53866	491.84652	0.47716	ug/L	09/18/10	15:52	
CCV	Cr	4989.77343	4976.42675	5003.12060	0.37828	ug/L	09/18/10	15:52	
CCV	Cu	4850.99316	4834.45996	4867.52685	0.48200	ug/L	09/18/10	15:52	
CCV	Fe	4852.56542	4836.17480	4868.95556	0.47767	ug/L	09/18/10	15:52	
CCV	2Fe	4.85282	4.83643	4.86921	0.47767	mg/L	09/18/10	15:52	
CCV	K	9717.54785	9714.79687	9720.29882	0.04003	ug/L	09/18/10	15:52	
CCV	Mg	4920.38574	4909.85351	4930.91796	0.30271	ug/L	09/18/10	15:52	
CCV	2Mg	4.92042	4.90989	4.93095	0.30271	mg/L	09/18/10	15:52	
CCV	Mn	4980.56933	4967.79345	4993.34570	0.36277	ug/L	09/18/10	15:52	
CCV	Mo	508.19708	506.81927	509.57485	0.38341	ug/L	09/18/10	15:52	
CCV	Na	7310.95019	7616.48779	7005.41259	5.91024	ug/L	09/18/10	15:52	
CCV	Ni	2496.63476	2490.96582	2502.30371	0.32111	ug/L	09/18/10	15:52	
CCV	Pb	504.02313	502.24349	505.80273	0.49933	ug/L	09/18/10	15:52	
CCV	Se	5063.93164	5042.72363	5085.14013	0.59228	ug/L	09/18/10	15:52	
CCV	Sb	494.51684	493.16860	495.86505	0.38556	ug/L	09/18/10	15:52	
CCV	Sn	4991.42480	4977.69921	5005.15087	0.38889	ug/L	09/18/10	15:52	
CCV	Sr	2569.69897	2565.14770	2574.25024	0.25047	ug/L	09/18/10	15:52	
CCV	Ti	492.36941	490.89074	493.84808	0.42471	ug/L	09/18/10	15:52	
CCV	Tl	5111.29003	5105.49365	5117.08642	0.16037	ug/L	09/18/10	15:52	
CCV	V	4877.24804	4861.36230	4893.13330	0.46061	ug/L	09/18/10	15:52	
CCV	Zn	2446.30444	2439.66186	2452.94702	0.38400	ug/L	09/18/10	15:52	
CCV	2203/1	499.02337	497.86645	500.18029	0.32786	ug/L	09/18/10	15:52	
CCV	2203/2	506.51504	504.42456	508.60552	0.58367	ug/L	09/18/10	15:52	
CCV	1960/1	4923.48193	4906.97460	4939.98925	0.47415	ug/L	09/18/10	15:52	
CCV	1960/2	5134.05126	5110.49609	5157.60644	0.64884	ug/L	09/18/10	15:52	
CCV	Y	1012.61889	1017.54260	1007.69512	0.68764		09/18/10	15:52	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.69821	0.54014	0.85628	32.01617	ug/L	09/18/10	15:58	
CCB	Al	22.71495	21.86685	23.56305	5.28018	ug/L	09/18/10	15:58	
CCB	2Al	0.02271	0.02186	0.02356	5.28015	mg/L	09/18/10	15:58	
CCB	As	-4.93247	-3.49324	-6.37169	41.26468	ug/L	09/18/10	15:58	
CCB	B	17.20232	19.90174	14.50290	22.19210	ug/L	09/18/10	15:58	
CCB	Ba	0.54237	0.01261	1.07213	138.13171	ug/L	09/18/10	15:58	
CCB	Be	0.05282	0.01197	0.09368	109.35748	ug/L	09/18/10	15:58	
CCB	Ca	0.83834	-2.70686	4.38354	598.04522	ug/L	09/18/10	15:58	
CCB	Cd	-0.03063	-0.18914	0.12787	731.75555	ug/L	09/18/10	15:58	
CCB	Co	0.04041	0.38951	-0.30869	1221.72998	ug/L	09/18/10	15:58	
CCB	Cr	0.67669	0.20450	1.14887	98.68120	ug/L	09/18/10	15:58	
CCB	Cu	-0.10708	-0.17110	-0.04306	84.54833	ug/L	09/18/10	15:58	
CCB	Fe	8.07419	-0.05204	16.20043	142.33285	ug/L	09/18/10	15:58	
CCB	2Fe	0.00807	-0.00005	0.01619	142.33065	mg/L	09/18/10	15:58	
CCB	K	-1.94137	2.95763	-6.84038	356.87319	ug/L	09/18/10	15:58	
CCB	Mg	1.33690	1.33034	1.34346	0.69391	ug/L	09/18/10	15:58	
CCB	2Mg	0.00133	0.00133	0.00134	0.57610	mg/L	09/18/10	15:58	
CCB	Mn	0.98976	0.30968	1.66984	97.17232	ug/L	09/18/10	15:58	
CCB	Mo	0.53619	0.50399	0.56838	8.49162	ug/L	09/18/10	15:58	
CCB	Na	-329.07830	-292.12438	-366.03219	15.88093	ug/L	09/18/10	15:58	
CCB	Ni	0.40349	-0.20004	1.00704	211.53639	ug/L	09/18/10	15:58	
CCB	Pb	0.07121	-0.11929	0.26172	378.31109	ug/L	09/18/10	15:58	
CCB	Se	5.35164	6.96084	3.74245	42.52423	ug/L	09/18/10	15:58	
CCB	Sb	-0.58769	-0.52668	-0.64870	14.68152	ug/L	09/18/10	15:58	
CCB	Sn	-0.76923	1.96808	-3.50656	503.24581	ug/L	09/18/10	15:58	
CCB	Sr	0.27765	0.07930	0.47599	101.02624	ug/L	09/18/10	15:58	
CCB	Ti	0.36416	0.36329	0.36503	0.33791	ug/L	09/18/10	15:58	
CCB	Tl	3.80222	4.59707	3.00737	29.56404	ug/L	09/18/10	15:58	
CCB	V	0.12461	0.00001	0.24920	141.39950	ug/L	09/18/10	15:58	
CCB	Zn	2.71759	1.19641	4.23878	79.16105	ug/L	09/18/10	15:58	
CCB	2203/1	2.41404	3.39703	1.43105	57.58607	ug/L	09/18/10	15:58	
CCB	2203/2	-1.09844	-1.87481	-0.32206	99.95629	ug/L	09/18/10	15:58	
CCB	1960/1	2.55270	2.61619	2.48921	3.51734	ug/L	09/18/10	15:58	
CCB	1960/2	6.74901	9.12990	4.36812	49.89002	ug/L	09/18/10	15:58	
CCB	Y	1011.50579	1004.67456	1018.33703	0.95509		09/18/10	15:58	
60870-2	Ag	1.22201	1.42141	1.02261	23.07616	ug/L	09/18/10	16:03	
60870-2	Al	834.77148	846.06665	823.47631	1.91355	ug/L	09/18/10	16:03	
60870-2	2Al	0.83475	0.84615	0.82336	1.93003	mg/L	09/18/10	16:03	
60870-2	As	-3.16294	-4.52546	-1.80042	60.92102	ug/L	09/18/10	16:03	
60870-2	B	22.30984	21.76023	22.85946	3.48401	ug/L	09/18/10	16:03	
60870-2	Ba	635.75799	643.38452	628.13146	1.69648	ug/L	09/18/10	16:03	
60870-2	Be	0.03313	0.03033	0.03594	11.95188	ug/L	09/18/10	16:03	
60870-2	Ca	843.77880	853.29376	834.26379	1.59475	ug/L	09/18/10	16:03	
60870-2	Cd	1562.81274	1581.48742	1544.13793	1.68990	ug/L	09/18/10	16:03	
60870-2	Co	132.90040	134.06132	131.73948	1.23535	ug/L	09/18/10	16:03	
60870-2	Cr	1850.86120	1873.35156	1828.37084	1.71845	ug/L	09/18/10	16:03	
60870-2	Cu	110.60038	111.86453	109.33624	1.61642	ug/L	09/18/10	16:03	
60870-2	Fe	1530.25561	1558.28100	1502.23022	2.59001	ug/L	09/18/10	16:03	
60870-2	2Fe	1.53017	1.55819	1.50214	2.58998	mg/L	09/18/10	16:03	
60870-2	K	121.98964	127.43582	116.54347	6.31369	ug/L	09/18/10	16:03	
60870-2	Mg	698.88073	706.57598	691.18554	1.55715	ug/L	09/18/10	16:03	
60870-2	2Mg	0.69859	0.70629	0.69090	1.55676	mg/L	09/18/10	16:03	
60870-2	Mn	404.69982	409.20843	400.19122	1.57552	ug/L	09/18/10	16:03	
60870-2	Mo	302.33291	304.69049	299.97534	1.10279	ug/L	09/18/10	16:03	
60870-2	Na	152.54528	46.93838	258.15219	97.90582	ug/L	09/18/10	16:03	
60870-2	Ni	3.45599	3.00877	3.90321	18.30033	ug/L	09/18/10	16:03	
60870-2	Pb	8375.46875	8461.97656	8288.96093	1.46070	ug/L	09/18/10	16:03	
60870-2	Se	185.59098	187.94013	183.24183	1.79006	ug/L	09/18/10	16:03	
60870-2	Sb	128.67639	131.87040	125.48239	3.51036	ug/L	09/18/10	16:03	
60870-2	Sn	52.07196	51.29110	52.85281	2.12070	ug/L	09/18/10	16:03	
60870-2	Sr	14.63144	14.77723	14.48566	1.40907	ug/L	09/18/10	16:03	
60870-2	Ti	38.64271	38.95066	38.33475	1.12703	ug/L	09/18/10	16:03	
60870-2	Tl	0.38735	3.94230	-3.16758	1297.88867	ug/L	09/18/10	16:03	
60870-2	V	-1.20857	-1.47956	-0.93757	31.71036	ug/L	09/18/10	16:03	
60870-2	Zn	210.93852	212.97721	208.89982	1.36682	ug/L	09/18/10	16:03	
60870-2	2203/1	8169.54736	8275.80859	8063.28613	1.83946	ug/L	09/18/10	16:03	
60870-2	2203/2	8478.27539	8554.92089	8401.62988	1.27848	ug/L	09/18/10	16:03	
60870-2	1960/1	178.78613	180.93029	176.64198	1.69604	ug/L	09/18/10	16:03	
60870-2	1960/2	188.98831	191.43980	186.53681	1.83446	ug/L	09/18/10	16:03	
60870-2	Y	1024.31701	1013.02044	1035.61364	1.55965		09/18/10	16:03	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60869-4	Ag	11.51991	11.57178	11.46803	0.63688	ug/L	09/18/10	16:08	
60869-4	Al	32817.19531	32855.73828	32778.64843	0.16610	ug/L	09/18/10	16:08	
60869-4	2Al	32.81774	32.85559	32.77988	0.16312	mg/L	09/18/10	16:08	
60869-4	As	0.57885	-0.56031	1.71801	278.31530	ug/L	09/18/10	16:08	
60869-4	B	496.34814	495.01794	497.67834	0.37900	ug/L	09/18/10	16:08	
60869-4	Ba	261.88940	261.89932	261.87945	0.00536	ug/L	09/18/10	16:08	
60869-4	Be	0.53504	0.53504	0.53505	0.00153	ug/L	09/18/10	16:08	
60869-4	Ca	182843.84375	182811.21875	182876.46875	0.02523	ug/L	09/18/10	16:08	
60869-4	Cd	66.38671	66.13737	66.63605	0.53116	ug/L	09/18/10	16:08	
60869-4	Co	1067.29248	1068.37915	1066.20593	0.14398	ug/L	09/18/10	16:08	
60869-4	Cr	800.59887	800.75921	800.43847	0.02832	ug/L	09/18/10	16:08	
60869-4	Cu	317.38714	318.04846	316.72583	0.29466	ug/L	09/18/10	16:08	
60869-4	Fe	5426.47558	5411.65332	5441.29785	0.38628	ug/L	09/18/10	16:08	
60869-4	2Fe	5.42649	5.41167	5.44131	0.38624	mg/L	09/18/10	16:08	
60869-4	K	5202.02343	5198.68994	5205.35742	0.09063	ug/L	09/18/10	16:08	
60869-4	Mg	9203.89648	9223.76171	9184.03125	0.30523	ug/L	09/18/10	16:08	
60869-4	2Mg	9.20080	9.22067	9.18094	0.30529	mg/L	09/18/10	16:08	
60869-4	Mn	1015.59057	1015.78613	1015.39501	0.02723	ug/L	09/18/10	16:08	
60869-4	Mo	274.01174	274.37283	273.65066	0.18636	ug/L	09/18/10	16:08	
60869-4	Na	9183.23925	9134.97851	9231.50000	0.74321	ug/L	09/18/10	16:08	
60869-4	Ni	22.84557	22.97344	22.71771	0.79153	ug/L	09/18/10	16:08	
60869-4	Pb	3227.55322	3222.69433	3232.41210	0.21290	ug/L	09/18/10	16:08	
60869-4	Se	7.66595	7.02017	8.31172	11.91326	ug/L	09/18/10	16:08	
60869-4	Sb	118.41760	115.99513	120.84007	2.89305	ug/L	09/18/10	16:08	
60869-4	Sn	163.04171	165.26142	160.82199	1.92537	ug/L	09/18/10	16:08	
60869-4	Sr	297.89093	298.13214	297.64968	0.11452	ug/L	09/18/10	16:08	
60869-4	Ti	2910.49511	2911.77856	2909.21142	0.06236	ug/L	09/18/10	16:08	
60869-4	Tl	3.27360	3.43677	3.11043	7.04890	ug/L	09/18/10	16:08	
60869-4	V	795.48211	795.93298	795.03125	0.08015	ug/L	09/18/10	16:08	
60869-4	Zn	14736.28515	14735.00781	14737.56250	0.01225	ug/L	09/18/10	16:08	
60869-4	2203/1	3152.57592	3146.24023	3158.91162	0.28421	ug/L	09/18/10	16:08	
60869-4	2203/2	3264.98583	3260.86425	3269.10717	0.17851	ug/L	09/18/10	16:08	
60869-4	1960/1	9.90395	11.22110	8.58680	18.80795	ug/L	09/18/10	16:08	
60869-4	1960/2	6.54862	4.92285	8.17439	35.10940	ug/L	09/18/10	16:08	
60869-4	Y	1003.32141	1002.91113	1003.73175	0.05783		09/18/10	16:08	
60975-1	Ag	-0.67464	-1.09201	-0.25727	87.49098	ug/L	09/18/10	16:13	
60975-1	Al	165813.75000	165884.40625	165743.10937	0.06025	ug/L	09/18/10	16:13	
60975-1	2Al	165.82696	165.89549	165.75843	0.05844	mg/L	09/18/10	16:13	
60975-1	As	246.08621	248.60334	243.56909	1.44654	ug/L	09/18/10	16:13	
60975-1	B	207.88183	208.76144	207.00222	0.59839	ug/L	09/18/10	16:13	
60975-1	Ba	1322.44531	1322.90539	1321.98510	0.04920	ug/L	09/18/10	16:13	
60975-1	Be	9.80959	9.81685	9.80234	0.10453	ug/L	09/18/10	16:13	
60975-1	Ca	189348.56250	189369.15625	189327.98437	0.01537	ug/L	09/18/10	16:13	
60975-1	Cd	-1.50458	-1.39833	-1.61082	9.98640	ug/L	09/18/10	16:13	
60975-1	Co	39.94658	41.00263	38.89054	3.73867	ug/L	09/18/10	16:13	
60975-1	Cr	1030.13342	1031.00317	1029.26367	0.11940	ug/L	09/18/10	16:13	
60975-1	Cu	107.67024	107.88397	107.45649	0.28074	ug/L	09/18/10	16:13	
60975-1	Fe	230808.12500	230781.25000	230834.98437	0.01646	ug/L	09/18/10	16:13	
60975-1	2Fe	230.78701	230.75712	230.81692	0.01832	mg/L	09/18/10	16:13	
60975-1	K	26782.65429	26791.40234	26773.90625	0.04619	ug/L	09/18/10	16:13	
60975-1	Mg	124477.14062	124477.38281	124476.90625	0.00027	ug/L	09/18/10	16:13	
60975-1	2Mg	124.40026	124.39919	124.40135	0.00122	mg/L	09/18/10	16:13	
60975-1	Mn	365.31225	365.54119	365.08334	0.08862	ug/L	09/18/10	16:13	
60975-1	Mo	26.56681	26.04784	27.08578	2.76261	ug/L	09/18/10	16:13	
60975-1	Na	865.88903	719.61187	1012.16613	23.89071	ug/L	09/18/10	16:13	
60975-1	Ni	114.96888	114.84581	115.09196	0.15139	ug/L	09/18/10	16:13	
60975-1	Pb	57.61945	58.86976	56.36914	3.06876	ug/L	09/18/10	16:13	
60975-1	Se	12.58206	10.50763	14.65649	23.31642	ug/L	09/18/10	16:13	
60975-1	Sb	0.77041	1.36988	0.17095	110.04045	ug/L	09/18/10	16:13	
60975-1	Sn	19.83545	18.40347	21.26743	10.20961	ug/L	09/18/10	16:13	
60975-1	Sr	1226.13183	1227.33398	1224.92956	0.13866	ug/L	09/18/10	16:13	
60975-1	Ti	1162.44042	1163.03869	1161.84204	0.07279	ug/L	09/18/10	16:13	
60975-1	Tl	4.17080	8.58399	-0.24238	149.64001	ug/L	09/18/10	16:13	
60975-1	V	420.85803	421.32107	420.39498	0.15559	ug/L	09/18/10	16:13	
60975-1	Zn	1540.36889	1540.18896	1540.54870	0.01651	ug/L	09/18/10	16:13	
60975-1	2203/1	90.38865	89.31935	91.45795	1.67302	ug/L	09/18/10	16:13	
60975-1	2203/2	41.25941	43.66779	38.85103	8.25498	ug/L	09/18/10	16:13	
60975-1	1960/1	11.53033	8.47661	14.58405	37.45440	ug/L	09/18/10	16:13	
60975-1	1960/2	13.10714	11.52162	14.69266	17.10717	ug/L	09/18/10	16:13	
60975-1	Y	1021.50164	1019.95208	1023.05120	0.21452		09/18/10	16:13	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 179540	Ag	0.53576	0.58565	0.48587	13.16926	ug/L	09/18/10	16:18	
PBW 179540	Al	31.21923	32.30630	30.13216	4.92437	ug/L	09/18/10	16:18	
PBW 179540	2Al	0.03122	0.03230	0.03013	4.92442	mg/L	09/18/10	16:18	
PBW 179540	As	-1.83992	-1.25896	-2.42089	44.65426	ug/L	09/18/10	16:18	
PBW 179540	B	4.58772	4.59490	4.58055	0.22124	ug/L	09/18/10	16:18	
PBW 179540	Ba	-0.05828	-0.12934	0.01276	172.40139	ug/L	09/18/10	16:18	
PBW 179540	Be	-0.01783	-0.00720	-0.02846	84.30193	ug/L	09/18/10	16:18	
PBW 179540	Ca	10.04386	9.01697	11.07076	14.45906	ug/L	09/18/10	16:18	
PBW 179540	Cd	-0.04316	0.02115	-0.10749	210.73130	ug/L	09/18/10	16:18	
PBW 179540	Co	-0.59375	-0.41025	-0.77726	43.70634	ug/L	09/18/10	16:18	
PBW 179540	Cr	0.11039	0.49939	-0.27860	498.33126	ug/L	09/18/10	16:18	
PBW 179540	Cu	-1.69440	-1.17190	-2.21690	43.60971	ug/L	09/18/10	16:18	
PBW 179540	Fe	38.78586	31.81464	45.75708	25.41852	ug/L	09/18/10	16:18	
PBW 179540	2Fe	0.03878	0.03181	0.04575	25.41862	mg/L	09/18/10	16:18	
PBW 179540	K	1.84954	-7.82006	11.51916	739.36407	ug/L	09/18/10	16:18	
PBW 179540	Mg	1.33500	1.33373	1.33626	0.13386	ug/L	09/18/10	16:18	
PBW 179540	2Mg	0.00132	0.00132	0.00132	0.00423	mg/L	09/18/10	16:18	
PBW 179540	Mn	0.02166	0.01669	0.02663	32.43526	ug/L	09/18/10	16:18	
PBW 179540	Mo	0.18294	0.07760	0.28828	81.43063	ug/L	09/18/10	16:18	
PBW 179540	Na	-31.65687	-52.63254	-10.68120	93.70499	ug/L	09/18/10	16:18	
PBW 179540	Ni	0.22086	-0.10984	0.55158	211.75743	ug/L	09/18/10	16:18	
PBW 179540	Pb	0.50189	0.78851	0.21528	80.76042	ug/L	09/18/10	16:18	
PBW 179540	Se	2.72892	3.63702	1.82082	47.06052	ug/L	09/18/10	16:18	
PBW 179540	Sb	3.55920	1.47677	5.64163	82.74316	ug/L	09/18/10	16:18	
PBW 179540	Sn	-0.15462	0.06213	-0.37137	198.24821	ug/L	09/18/10	16:18	
PBW 179540	Sr	-0.01033	0.01292	-0.03358	318.28558	ug/L	09/18/10	16:18	
PBW 179540	Ti	0.35534	0.65581	0.05487	119.58156	ug/L	09/18/10	16:18	
PBW 179540	Tl	4.07014	3.83811	4.30217	8.06215	ug/L	09/18/10	16:18	
PBW 179540	V	0.09736	-0.39417	0.58889	713.97570	ug/L	09/18/10	16:18	
PBW 179540	Zn	2.59147	2.65992	2.52301	3.73577	ug/L	09/18/10	16:18	
PBW 179540	2203/1	1.30767	-2.69882	5.31417	433.29260	ug/L	09/18/10	16:18	
PBW 179540	2203/2	0.09961	2.52957	-2.33034	3449.76342	ug/L	09/18/10	16:18	
PBW 179540	1960/1	0.98188	-3.99982	5.96358	717.52075	ug/L	09/18/10	16:18	
PBW 179540	1960/2	3.60113	7.44972	-0.24744	151.13899	ug/L	09/18/10	16:18	
PBW 179540	Y	1011.77642	1006.88323	1016.66961	0.68394		09/18/10	16:18	
LCSW-1	Ag	51.54945	50.86479	52.23411	1.87830	ug/L	09/18/10	16:23	
LCSW-1	Al	1984.03735	1973.75854	1994.31604	0.73266	ug/L	09/18/10	16:23	
LCSW-1	2Al	1.98413	1.97375	1.99450	0.73969	mg/L	09/18/10	16:23	
LCSW-1	As	2100.04248	2092.36718	2107.71777	0.51687	ug/L	09/18/10	16:23	
LCSW-1	B	1073.71362	1068.29040	1079.13696	0.71431	ug/L	09/18/10	16:23	
LCSW-1	Ba	2103.56396	2098.01220	2109.11596	0.37324	ug/L	09/18/10	16:23	
LCSW-1	Be	52.76651	52.53512	52.99790	0.62015	ug/L	09/18/10	16:23	
LCSW-1	Ca	5129.08984	5108.00195	5150.17724	0.58143	ug/L	09/18/10	16:23	
LCSW-1	Cd	54.11524	53.63720	54.59329	1.24929	ug/L	09/18/10	16:23	
LCSW-1	Co	521.99682	520.29278	523.70086	0.46166	ug/L	09/18/10	16:23	
LCSW-1	Cr	212.05041	211.32945	212.77137	0.48082	ug/L	09/18/10	16:23	
LCSW-1	Cu	253.68557	252.50157	254.86958	0.66004	ug/L	09/18/10	16:23	
LCSW-1	Fe	1015.58184	1005.13549	1026.02819	1.45467	ug/L	09/18/10	16:23	
LCSW-1	2Fe	1.01572	1.00527	1.02617	1.45446	mg/L	09/18/10	16:23	
LCSW-1	K	5098.05371	5057.41601	5138.69189	1.12730	ug/L	09/18/10	16:23	
LCSW-1	Mg	5220.50146	5194.69433	5246.30859	0.69910	ug/L	09/18/10	16:23	
LCSW-1	2Mg	5.21908	5.19329	5.24488	0.69906	mg/L	09/18/10	16:23	
LCSW-1	Mn	525.29833	523.38952	527.20721	0.51390	ug/L	09/18/10	16:23	
LCSW-1	Mo	537.83209	538.13470	537.52947	0.07957	ug/L	09/18/10	16:23	
LCSW-1	Na	4959.27246	4788.15722	5130.38769	4.87961	ug/L	09/18/10	16:23	
LCSW-1	Ni	526.72607	524.46966	528.98254	0.60583	ug/L	09/18/10	16:23	
LCSW-1	Pb	528.37890	524.60070	532.15716	1.01124	ug/L	09/18/10	16:23	
LCSW-1	Se	2157.92089	2145.54614	2170.29541	0.81098	ug/L	09/18/10	16:23	
LCSW-1	Sb	504.19351	499.22171	509.16531	1.39454	ug/L	09/18/10	16:23	
LCSW-1	Sn	1054.04467	1052.37084	1055.71838	0.22456	ug/L	09/18/10	16:23	
LCSW-1	Sr	554.04162	551.61151	556.47167	0.62028	ug/L	09/18/10	16:23	
LCSW-1	Ti	725.88104	723.10095	728.66113	0.54163	ug/L	09/18/10	16:23	
LCSW-1	Tl	2210.74291	2196.48876	2224.99707	0.91183	ug/L	09/18/10	16:23	
LCSW-1	V	507.35461	504.88980	509.81942	0.68704	ug/L	09/18/10	16:23	
LCSW-1	Zn	524.41638	522.33331	526.49951	0.56175	ug/L	09/18/10	16:23	
LCSW-1	2203/1	515.26739	511.72805	518.80676	0.97141	ug/L	09/18/10	16:23	
LCSW-1	2203/2	534.92492	531.02740	538.82238	1.03040	ug/L	09/18/10	16:23	
LCSW-1	1960/1	2084.93725	2069.08251	2100.79199	1.07542	ug/L	09/18/10	16:23	
LCSW-1	1960/2	2194.35717	2183.71997	2204.99438	0.68554	ug/L	09/18/10	16:23	
LCSW-1	Y	1008.38049	1012.59271	1004.16821	0.59075		09/18/10	16:23	

35

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60986-1	Ag	0.16354	0.06887	0.25821	81.86126	ug/L	09/18/10	16:28	
60986-1	Al	1103.25854	1101.06066	1105.45629	0.28172	ug/L	09/18/10	16:28	
60986-1	2Al	1.10316	1.10097	1.10536	0.28172	mg/L	09/18/10	16:28	
60986-1	As	0.52036	-1.53077	2.57151	557.44451	ug/L	09/18/10	16:28	
60986-1	B	201.69027	200.75312	202.62744	0.65711	ug/L	09/18/10	16:28	
60986-1	Ba	78.25228	78.23118	78.27339	0.03813	ug/L	09/18/10	16:28	
60986-1	Be	0.01947	0.02080	0.01813	9.72671	ug/L	09/18/10	16:28	
60986-1	Ca	8404.82421	8397.76953	8411.87792	0.11869	ug/L	09/18/10	16:28	
60986-1	Cd	2.18335	2.26126	2.10544	5.04656	ug/L	09/18/10	16:28	
60986-1	Co	0.44526	0.13160	0.75891	99.62038	ug/L	09/18/10	16:28	
60986-1	Cr	75.66870	74.79953	76.53787	1.62443	ug/L	09/18/10	16:28	
60986-1	Cu	6.07629	5.53178	6.62081	12.67319	ug/L	09/18/10	16:28	
60986-1	Fe	1117.75585	1108.91223	1126.59960	1.11892	ug/L	09/18/10	16:28	
60986-1	2Fe	1.11767	1.10882	1.12651	1.11892	mg/L	09/18/10	16:28	
60986-1	K	4374.35742	4364.14941	4384.56591	0.33002	ug/L	09/18/10	16:28	
60986-1	Mg	1451.38696	1449.21997	1453.55395	0.21114	ug/L	09/18/10	16:28	
60986-1	2Mg	1.45079	1.44862	1.45295	0.21103	mg/L	09/18/10	16:28	
60986-1	Mn	25.31068	25.23802	25.38334	0.40599	ug/L	09/18/10	16:28	
60986-1	Mo	0.04272	-0.20558	0.29102	821.99639	ug/L	09/18/10	16:28	
60986-1	Na	38606.74218	38377.96875	38835.51953	0.83803	ug/L	09/18/10	16:28	
60986-1	Ni	4.72216	3.91640	5.52792	24.13120	ug/L	09/18/10	16:28	
60986-1	Pb	0.27228	-1.35354	1.89811	844.44256	ug/L	09/18/10	16:28	
60986-1	Se	0.78176	-2.12600	3.68953	526.01745	ug/L	09/18/10	16:28	
60986-1	Sb	-0.22705	1.05549	-1.50960	798.83264	ug/L	09/18/10	16:28	
60986-1	Sn	-2.18855	-2.58645	-1.79065	25.71183	ug/L	09/18/10	16:28	
60986-1	Sr	134.00486	133.62796	134.38177	0.39776	ug/L	09/18/10	16:28	
60986-1	Ti	3.04165	2.95205	3.13126	4.16624	ug/L	09/18/10	16:28	
60986-1	Tl	3.25315	1.61949	4.88681	71.01847	ug/L	09/18/10	16:28	
60986-1	V	3.62874	3.96375	3.29372	13.05638	ug/L	09/18/10	16:28	
60986-1	Zn	57.96652	57.85197	58.08108	0.27948	ug/L	09/18/10	16:28	
60986-1	2203/1	3.34041	0.70990	5.97093	111.36669	ug/L	09/18/10	16:28	
60986-1	2203/2	-1.25948	-2.38372	-0.13523	126.23597	ug/L	09/18/10	16:28	
60986-1	1960/1	1.25998	1.69450	0.82547	48.77021	ug/L	09/18/10	16:28	
60986-1	1960/2	0.54300	-4.03339	5.11941	1191.88330	ug/L	09/18/10	16:28	
60986-1	Y	1006.03210	1008.46337	1003.60076	0.34177		09/18/10	16:28	
60986-1S	Ag	50.98622	51.35372	50.61872	1.01934	ug/L	09/18/10	16:34	
60986-1S	Al	3781.22998	3792.06787	3770.39233	0.40534	ug/L	09/18/10	16:34	
60986-1S	2Al	3.78149	3.79223	3.77075	0.40164	mg/L	09/18/10	16:34	
60986-1S	As	2107.15258	2110.12158	2104.18359	0.19926	ug/L	09/18/10	16:34	
60986-1S	B	1268.23461	1268.28161	1268.18762	0.00524	ug/L	09/18/10	16:34	
60986-1S	Ba	2182.81591	2184.99169	2180.64013	0.14096	ug/L	09/18/10	16:34	
60986-1S	Be	53.17827	53.25886	53.09768	0.21431	ug/L	09/18/10	16:34	
60986-1S	Ca	13467.15429	13486.50683	13447.80175	0.20322	ug/L	09/18/10	16:34	
60986-1S	Cd	55.93604	55.89253	55.97954	0.10999	ug/L	09/18/10	16:34	
60986-1S	Co	525.17205	525.73516	524.60894	0.15163	ug/L	09/18/10	16:34	
60986-1S	Cr	291.15692	291.00964	291.30422	0.07154	ug/L	09/18/10	16:34	
60986-1S	Cu	265.51473	265.70626	265.32321	0.10201	ug/L	09/18/10	16:34	
60986-1S	Fe	2191.50927	2200.82763	2182.19091	0.60132	ug/L	09/18/10	16:34	
60986-1S	2Fe	2.19156	2.20088	2.18224	0.60128	mg/L	09/18/10	16:34	
60986-1S	K	9661.59375	9679.95800	9643.23046	0.26879	ug/L	09/18/10	16:34	
60986-1S	Mg	6679.24560	6687.65527	6670.83593	0.17806	ug/L	09/18/10	16:34	
60986-1S	2Mg	6.67722	6.68563	6.66882	0.17803	mg/L	09/18/10	16:34	
60986-1S	Mn	553.77954	554.47991	553.07910	0.17886	ug/L	09/18/10	16:34	
60986-1S	Mo	537.23663	538.59136	535.88189	0.35661	ug/L	09/18/10	16:34	
60986-1S	Na	43968.13281	43951.21875	43985.04296	0.05439	ug/L	09/18/10	16:34	
60986-1S	Ni	533.70068	533.99273	533.40869	0.07738	ug/L	09/18/10	16:34	
60986-1S	Pb	526.71862	526.34405	527.09326	0.10057	ug/L	09/18/10	16:34	
60986-1S	Se	2143.06762	2140.02026	2146.11499	0.20109	ug/L	09/18/10	16:34	
60986-1S	Sb	512.10656	514.96600	509.24707	0.78965	ug/L	09/18/10	16:34	
60986-1S	Sn	1055.27587	1056.48254	1054.06909	0.16171	ug/L	09/18/10	16:34	
60986-1S	Sr	684.59631	685.74700	683.44567	0.23770	ug/L	09/18/10	16:34	
60986-1S	Ti	727.68029	728.20800	727.15264	0.10255	ug/L	09/18/10	16:34	
60986-1S	Tl	2198.78100	2203.26928	2194.29272	0.28867	ug/L	09/18/10	16:34	
60986-1S	V	509.76712	509.81527	509.71896	0.01335	ug/L	09/18/10	16:34	
60986-1S	Zn	584.56628	585.01934	584.11315	0.10961	ug/L	09/18/10	16:34	
60986-1S	2203/1	512.11334	513.04223	511.18447	0.25651	ug/L	09/18/10	16:34	
60986-1S	2203/2	534.01037	532.98498	535.03570	0.27154	ug/L	09/18/10	16:34	
60986-1S	1960/1	2077.43286	2077.23876	2077.62695	0.01321	ug/L	09/18/10	16:34	
60986-1S	1960/2	2175.83496	2171.36303	2180.30688	0.29065	ug/L	09/18/10	16:34	
60986-1S	Y	1003.72302	1002.05560	1005.39044	0.23493		09/18/10	16:34	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60986-1SD	Ag	51.44408	52.84893	50.03922	3.86199	ug/L	09/18/10	16:39	
60986-1SD	Al	4039.44799	4039.95605	4038.93994	0.01778	ug/L	09/18/10	16:39	
60986-1SD	2Al	4.03944	4.03995	4.03893	0.01777	mg/L	09/18/10	16:39	
60986-1SD	As	2115.74121	2119.88867	2111.59350	0.27723	ug/L	09/18/10	16:39	
60986-1SD	B	1275.97192	1279.07897	1272.86486	0.34436	ug/L	09/18/10	16:39	
60986-1SD	Ba	2188.71411	2191.53735	2185.89086	0.18242	ug/L	09/18/10	16:39	
60986-1SD	Be	53.44676	53.55759	53.33593	0.29326	ug/L	09/18/10	16:39	
60986-1SD	Ca	13480.31738	13486.78125	13473.85351	0.06781	ug/L	09/18/10	16:39	
60986-1SD	Cd	56.42513	56.68470	56.16555	0.65058	ug/L	09/18/10	16:39	
60986-1SD	Co	528.26623	528.68652	527.84588	0.11252	ug/L	09/18/10	16:39	
60986-1SD	Cr	297.25067	297.07580	297.42553	0.08319	ug/L	09/18/10	16:39	
60986-1SD	Cu	268.09545	267.67285	268.51803	0.22291	ug/L	09/18/10	16:39	
60986-1SD	Fe	2242.66284	2254.64477	2230.68090	0.75557	ug/L	09/18/10	16:39	
60986-1SD	2Fe	2.24271	2.25469	2.23073	0.75552	mg/L	09/18/10	16:39	
60986-1SD	K	9647.26367	9654.53417	9639.99218	0.10658	ug/L	09/18/10	16:39	
60986-1SD	Mg	6707.89257	6708.53271	6707.25244	0.01349	ug/L	09/18/10	16:39	
60986-1SD	2Mg	6.70585	6.70649	6.70522	0.01346	mg/L	09/18/10	16:39	
60986-1SD	Mn	555.68707	556.43615	554.93798	0.19064	ug/L	09/18/10	16:39	
60986-1SD	Mo	541.26281	541.04547	541.48016	0.05678	ug/L	09/18/10	16:39	
60986-1SD	Na	43850.81250	43927.85937	43773.76953	0.24847	ug/L	09/18/10	16:39	
60986-1SD	Ni	535.58447	536.59301	534.57592	0.26630	ug/L	09/18/10	16:39	
60986-1SD	Pb	526.48889	530.59246	522.38531	1.10227	ug/L	09/18/10	16:39	
60986-1SD	Se	2148.38574	2153.62182	2143.14941	0.34468	ug/L	09/18/10	16:39	
60986-1SD	Sb	517.68908	517.70440	517.67376	0.00418	ug/L	09/18/10	16:39	
60986-1SD	Sn	1063.28417	1066.77502	1059.79321	0.46430	ug/L	09/18/10	16:39	
60986-1SD	Sr	686.60168	688.14544	685.05798	0.31796	ug/L	09/18/10	16:39	
60986-1SD	Ti	729.27673	729.87329	728.68017	0.11568	ug/L	09/18/10	16:39	
60986-1SD	Tl	2219.42333	2221.62109	2217.22558	0.14004	ug/L	09/18/10	16:39	
60986-1SD	V	511.24548	512.46240	510.02856	0.33662	ug/L	09/18/10	16:39	
60986-1SD	Zn	587.38366	588.37023	586.39709	0.23753	ug/L	09/18/10	16:39	
60986-1SD	2203/1	509.88787	518.24835	501.52740	2.31884	ug/L	09/18/10	16:39	
60986-1SD	2203/2	534.77697	536.75531	532.79864	0.52316	ug/L	09/18/10	16:39	
60986-1SD	1960/1	2058.85107	2083.76684	2033.93530	1.71145	ug/L	09/18/10	16:39	
60986-1SD	1960/2	2193.08520	2188.49633	2197.67407	0.29591	ug/L	09/18/10	16:39	
60986-1SD	Y	1002.64923	1000.54528	1004.75317	0.29675		09/18/10	16:39	
60994-1	Ag	0.56040	1.19249	-0.07167	159.50875	ug/L	09/18/10	16:44	
60994-1	Al	1314.11401	1319.89050	1308.33764	0.62164	ug/L	09/18/10	16:44	
60994-1	2Al	1.31424	1.32002	1.30846	0.62164	mg/L	09/18/10	16:44	
60994-1	As	-1.51205	-2.39619	-0.62791	82.69300	ug/L	09/18/10	16:44	
60994-1	B	11.43516	12.64774	10.22258	14.99624	ug/L	09/18/10	16:44	
60994-1	Ba	137.20979	137.36119	137.05839	0.15604	ug/L	09/18/10	16:44	
60994-1	Be	0.17023	0.16404	0.17641	5.13745	ug/L	09/18/10	16:44	
60994-1	Ca	57006.54687	57004.62109	57008.46875	0.00477	ug/L	09/18/10	16:44	
60994-1	Cd	-0.13820	-0.08128	-0.19513	58.24878	ug/L	09/18/10	16:44	
60994-1	Co	8.17494	8.25263	8.09725	1.34401	ug/L	09/18/10	16:44	
60994-1	Cr	5.52833	5.44576	5.61090	2.11221	ug/L	09/18/10	16:44	
60994-1	Cu	3.46542	3.53460	3.39625	2.82287	ug/L	09/18/10	16:44	
60994-1	Fe	4337.59082	4361.92382	4313.25732	0.79335	ug/L	09/18/10	16:44	
60994-1	2Fe	4.33727	4.36160	4.31294	0.79335	mg/L	09/18/10	16:44	
60994-1	K	3303.54296	3316.49609	3290.59008	0.55450	ug/L	09/18/10	16:44	
60994-1	Mg	9058.31250	9057.00683	9059.61816	0.02038	ug/L	09/18/10	16:44	
60994-1	2Mg	9.05747	9.05616	9.05878	0.02042	mg/L	09/18/10	16:44	
60994-1	Mn	5421.69628	5424.11621	5419.27587	0.06312	ug/L	09/18/10	16:44	
60994-1	Mo	2.02318	3.40134	0.64502	96.33382	ug/L	09/18/10	16:44	
60994-1	Na	11105.31250	11013.71191	11196.91308	1.16649	ug/L	09/18/10	16:44	
60994-1	Ni	1.79006	3.12671	0.45341	105.59974	ug/L	09/18/10	16:44	
60994-1	Pb	8.86150	7.49329	10.22972	21.83546	ug/L	09/18/10	16:44	
60994-1	Se	7.20448	9.33705	5.07192	41.86149	ug/L	09/18/10	16:44	
60994-1	Sb	-0.80474	1.24964	-2.85913	361.02774	ug/L	09/18/10	16:44	
60994-1	Sn	-1.79316	-3.71024	0.12390	151.19367	ug/L	09/18/10	16:44	
60994-1	Sr	225.47558	225.59368	225.35748	0.07407	ug/L	09/18/10	16:44	
60994-1	Ti	55.93823	55.82551	56.05095	0.28496	ug/L	09/18/10	16:44	
60994-1	Tl	0.52419	1.06657	-0.01817	146.32575	ug/L	09/18/10	16:44	
60994-1	V	3.40963	3.85552	2.96374	18.49428	ug/L	09/18/10	16:44	
60994-1	Zn	117.27575	117.48126	117.07024	0.24782	ug/L	09/18/10	16:44	
60994-1	2203/1	10.01640	12.54044	7.49237	35.63679	ug/L	09/18/10	16:44	
60994-1	2203/2	8.28494	4.97353	11.59635	56.52466	ug/L	09/18/10	16:44	
60994-1	1960/1	1.36770	2.77330	-0.03788	145.33833	ug/L	09/18/10	16:44	
60994-1	1960/2	10.11850	12.61401	7.62299	34.87854	ug/L	09/18/10	16:44	
60994-1	Y	1008.11419	1009.60705	1006.62133	0.20942		09/18/10	16:44	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60994-1L	Ag	-0.07199	-0.30594	0.16195	459.55993	ug/L	09/18/10	16:49	
60994-1L	Al	457.76974	428.56515	486.97433	9.02233	ug/L	09/18/10	16:49	
60994-1L	2Al	0.45781	0.42860	0.48702	9.02233	mg/L	09/18/10	16:49	
60994-1L	As	-1.29490	-1.08704	-1.50276	22.70099	ug/L	09/18/10	16:49	
60994-1L	B	5.61688	4.88429	6.34946	18.44496	ug/L	09/18/10	16:49	
60994-1L	Ba	28.26550	28.59258	27.93843	1.63646	ug/L	09/18/10	16:49	
60994-1L	Be	0.04551	0.02830	0.06272	53.48465	ug/L	09/18/10	16:49	
60994-1L	Ca	11282.86718	11448.05859	11117.67675	2.07053	ug/L	09/18/10	16:49	
60994-1L	Cd	-0.12384	-0.19010	-0.05757	75.66912	ug/L	09/18/10	16:49	
60994-1L	Co	1.43395	0.96931	1.89858	45.82374	ug/L	09/18/10	16:49	
60994-1L	Cr	0.93957	0.60815	1.27100	49.88423	ug/L	09/18/10	16:49	
60994-1L	Cu	-0.81771	-1.05768	-0.57774	41.50232	ug/L	09/18/10	16:49	
60994-1L	Fe	825.59741	846.61932	804.57556	3.60095	ug/L	09/18/10	16:49	
60994-1L	2Fe	0.82553	0.84655	0.80451	3.60091	mg/L	09/18/10	16:49	
60994-1L	K	611.57019	619.63360	603.50683	1.86460	ug/L	09/18/10	16:49	
60994-1L	Mg	1868.85339	1884.89636	1852.81042	1.21401	ug/L	09/18/10	16:49	
60994-1L	2Mg	1.86865	1.88470	1.85261	1.21432	mg/L	09/18/10	16:49	
60994-1L	Mn	1041.49755	1064.21826	1018.77697	3.08515	ug/L	09/18/10	16:49	
60994-1L	Mo	-0.80487	0.64335	-2.25310	254.46356	ug/L	09/18/10	16:49	
60994-1L	Na	1932.28271	2208.88452	1655.68090	20.24414	ug/L	09/18/10	16:49	
60994-1L	Ni	1.01262	1.22459	0.80066	29.60298	ug/L	09/18/10	16:49	
60994-1L	Pb	2.90814	2.19895	3.61732	34.48735	ug/L	09/18/10	16:49	
60994-1L	Se	4.22379	5.61713	2.83045	46.65179	ug/L	09/18/10	16:49	
60994-1L	Sb	-2.01873	-4.65681	0.61935	184.81010	ug/L	09/18/10	16:49	
60994-1L	Sn	-0.78197	-1.19131	-0.37263	74.02981	ug/L	09/18/10	16:49	
60994-1L	Sr	44.17890	44.99130	43.36649	2.60059	ug/L	09/18/10	16:49	
60994-1L	Ti	20.59697	19.37375	21.82020	8.39880	ug/L	09/18/10	16:49	
60994-1L	Tl	-0.40607	1.18531	-1.99746	554.22644	ug/L	09/18/10	16:49	
60994-1L	V	1.62711	0.89236	2.36186	63.86106	ug/L	09/18/10	16:49	
60994-1L	Zn	36.93984	36.07038	37.80929	3.32864	ug/L	09/18/10	16:49	
60994-1L	2203/1	7.25776	6.76257	7.75295	9.64907	ug/L	09/18/10	16:49	
60994-1L	2203/2	0.73658	-0.07943	1.55261	156.67263	ug/L	09/18/10	16:49	
60994-1L	1960/1	0.94680	4.37573	-2.48212	512.16687	ug/L	09/18/10	16:49	
60994-1L	1960/2	5.85983	6.23690	5.48276	9.10016	ug/L	09/18/10	16:49	
60994-1L	Y	1010.24426	1009.58953	1010.89904	0.09165		09/18/10	16:49	
CCV	Ag	491.80697	492.79940	490.81454	0.28537	ug/L	09/18/10	16:54	
CCV	Al	4770.57714	4777.10205	4764.05273	0.19342	ug/L	09/18/10	16:54	
CCV	2Al	4.77080	4.77733	4.76428	0.19342	mg/L	09/18/10	16:54	
CCV	As	505.71911	510.93478	500.50344	1.45853	ug/L	09/18/10	16:54	
CCV	B	5027.79492	5027.46484	5028.12451	0.00927	ug/L	09/18/10	16:54	
CCV	Ba	4985.12109	4986.62304	4983.61962	0.04260	ug/L	09/18/10	16:54	
CCV	Be	505.85186	505.91491	505.78881	0.01762	ug/L	09/18/10	16:54	
CCV	Ca	4905.59277	4910.29785	4900.88818	0.13563	ug/L	09/18/10	16:54	
CCV	Cd	516.10156	516.40783	515.79522	0.08393	ug/L	09/18/10	16:54	
CCV	Co	494.63793	495.70678	493.56909	0.30559	ug/L	09/18/10	16:54	
CCV	Cr	5033.79589	5036.70263	5030.88867	0.08166	ug/L	09/18/10	16:54	
CCV	Cu	4874.65673	4880.16259	4869.15087	0.15973	ug/L	09/18/10	16:54	
CCV	Fe	4898.78417	4916.96728	4880.60107	0.52492	ug/L	09/18/10	16:54	
CCV	2Fe	4.89904	4.91722	4.88085	0.52489	mg/L	09/18/10	16:54	
CCV	K	9776.67871	9772.04199	9781.31542	0.06707	ug/L	09/18/10	16:54	
CCV	Mg	4949.36035	4955.66162	4943.05957	0.18004	ug/L	09/18/10	16:54	
CCV	2Mg	4.94939	4.95569	4.94309	0.17995	mg/L	09/18/10	16:54	
CCV	Mn	5005.30126	5009.37353	5001.22900	0.11505	ug/L	09/18/10	16:54	
CCV	Mo	515.60400	516.19781	515.01025	0.16286	ug/L	09/18/10	16:54	
CCV	Na	7289.87597	7041.18164	7538.56982	4.82458	ug/L	09/18/10	16:54	
CCV	Ni	2520.11279	2521.71020	2518.51513	0.08964	ug/L	09/18/10	16:54	
CCV	Pb	510.02062	511.43954	508.60168	0.39344	ug/L	09/18/10	16:54	
CCV	Se	5121.23779	5114.29296	5128.18261	0.19177	ug/L	09/18/10	16:54	
CCV	Sb	493.47052	496.74688	490.19415	0.93895	ug/L	09/18/10	16:54	
CCV	Sn	5036.55078	5045.48095	5027.62109	0.25074	ug/L	09/18/10	16:54	
CCV	Sr	2603.22363	2605.77294	2600.67431	0.13849	ug/L	09/18/10	16:54	
CCV	Ti	496.69073	496.70825	496.67318	0.00499	ug/L	09/18/10	16:54	
CCV	Tl	5166.47998	5165.62451	5167.33544	0.02341	ug/L	09/18/10	16:54	
CCV	V	4903.35009	4911.75146	4894.94873	0.24231	ug/L	09/18/10	16:54	
CCV	Zn	2483.90625	2486.95654	2480.85620	0.17366	ug/L	09/18/10	16:54	
CCV	2203/1	498.31146	499.11437	497.50854	0.22786	ug/L	09/18/10	16:54	
CCV	2203/2	515.86218	517.58868	514.13562	0.47332	ug/L	09/18/10	16:54	
CCV	1960/1	4956.68066	4961.02636	4952.33544	0.12398	ug/L	09/18/10	16:54	
CCV	1960/2	5203.39257	5190.81103	5215.97412	0.34194	ug/L	09/18/10	16:54	
CCV	Y	1002.55755	1002.64923	1002.46588	0.01293		09/18/10	16:54	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.41096	0.75781	0.06411	119.35689	ug/L	09/18/10	16:59	
CCB	Al	15.21551	15.72655	14.70446	4.74990	ug/L	09/18/10	16:59	
CCB	2Al	0.01521	0.01572	0.01470	4.74985	mg/L	09/18/10	16:59	
CCB	As	-3.14430	-5.09833	-1.19026	87.88659	ug/L	09/18/10	16:59	
CCB	B	15.52016	18.81474	12.22558	30.02056	ug/L	09/18/10	16:59	
CCB	Ba	0.50402	0.26650	0.74153	66.64276	ug/L	09/18/10	16:59	
CCB	Be	0.05240	0.01659	0.08822	96.64739	ug/L	09/18/10	16:59	
CCB	Ca	-1.65484	-1.96429	-1.34538	26.44589	ug/L	09/18/10	16:59	
CCB	Cd	-0.12391	-0.07929	-0.16852	50.91898	ug/L	09/18/10	16:59	
CCB	Co	-0.70820	-0.57624	-0.84015	26.35030	ug/L	09/18/10	16:59	
CCB	Cr	-0.11951	-0.71574	0.47671	705.54071	ug/L	09/18/10	16:59	
CCB	Cu	-1.49522	-1.82075	-1.16969	30.78973	ug/L	09/18/10	16:59	
CCB	Fe	-7.53995	-2.05378	-13.02611	102.89994	ug/L	09/18/10	16:59	
CCB	2Fe	-0.00753	-0.00205	-0.01302	102.89799	mg/L	09/18/10	16:59	
CCB	K	-10.59775	3.76358	-24.95909	191.64445	ug/L	09/18/10	16:59	
CCB	Mg	0.00406	-3.92851	3.93663	136945.57812	ug/L	09/18/10	16:59	
CCB	2Mg	0.00000	-0.00392	0.00393	98968.84375	mg/L	09/18/10	16:59	
CCB	Mn	0.51080	-0.04072	1.06234	152.69653	ug/L	09/18/10	16:59	
CCB	Mo	0.80543	0.77425	0.83661	5.47517	ug/L	09/18/10	16:59	
CCB	Na	-226.67581	-189.90405	-263.44757	22.94162	ug/L	09/18/10	16:59	
CCB	Ni	1.75542	1.31308	2.19776	35.63587	ug/L	09/18/10	16:59	
CCB	Pb	-0.79780	-1.41758	-0.17802	109.86383	ug/L	09/18/10	16:59	
CCB	Se	4.55214	4.17422	4.93005	11.74070	ug/L	09/18/10	16:59	
CCB	Sb	1.12085	0.89241	1.34930	28.82369	ug/L	09/18/10	16:59	
CCB	Sn	-1.36037	-1.17027	-1.55046	19.76159	ug/L	09/18/10	16:59	
CCB	Sr	0.19132	0.00515	0.37748	137.61097	ug/L	09/18/10	16:59	
CCB	Ti	-0.00130	-0.08526	0.08265	9086.45019	ug/L	09/18/10	16:59	
CCB	Tl	9.19132	9.36322	9.01943	2.64485	ug/L	09/18/10	16:59	
CCB	V	0.50831	0.28954	0.72709	60.86506	ug/L	09/18/10	16:59	
CCB	Zn	15.44324	15.30520	15.58128	1.26407	ug/L	09/18/10	16:59	
CCB	2203/1	0.69376	0.31721	1.07030	76.75728	ug/L	09/18/10	16:59	
CCB	2203/2	-1.54247	-2.28368	-0.80125	67.95826	ug/L	09/18/10	16:59	
CCB	1960/1	4.12377	5.57056	2.67698	49.61641	ug/L	09/18/10	16:59	
CCB	1960/2	4.76600	3.47710	6.05490	38.24544	ug/L	09/18/10	16:59	
CCB	Y	1029.79516	1024.86706	1034.72326	0.67677		09/18/10	16:59	
60994-1A	Ag	47.61970	48.09744	47.14196	1.41878	ug/L	09/18/10	17:05	
60994-1A	Al	3069.04223	3068.50244	3069.58203	0.02487	ug/L	09/18/10	17:05	
60994-1A	2Al	3.06934	3.06880	3.06988	0.02487	mg/L	09/18/10	17:05	
60994-1A	As	1936.21508	1932.44030	1939.98986	0.27571	ug/L	09/18/10	17:05	
60994-1A	B	1021.36828	1018.43487	1024.30163	0.40616	ug/L	09/18/10	17:05	
60994-1A	Ba	2063.23803	2061.50781	2064.96826	0.11859	ug/L	09/18/10	17:05	
60994-1A	Be	49.36634	49.27251	49.46017	0.26878	ug/L	09/18/10	17:05	
60994-1A	Ca	60297.83593	60196.73437	60398.94140	0.23712	ug/L	09/18/10	17:05	
60994-1A	Cd	49.63000	49.81018	49.44982	0.51342	ug/L	09/18/10	17:05	
60994-1A	Co	484.07733	482.10977	486.04492	0.57481	ug/L	09/18/10	17:05	
60994-1A	Cr	200.30961	199.95751	200.66171	0.24858	ug/L	09/18/10	17:05	
60994-1A	Cu	237.51870	237.28285	237.75457	0.14043	ug/L	09/18/10	17:05	
60994-1A	Fe	5133.15283	5121.77734	5144.52832	0.31340	ug/L	09/18/10	17:05	
60994-1A	2Fe	5.13297	5.12160	5.14435	0.31341	mg/L	09/18/10	17:05	
60994-1A	K	8337.30859	8333.74804	8340.87011	0.06040	ug/L	09/18/10	17:05	
60994-1A	Mg	13788.58984	13766.31835	13810.86035	0.22842	ug/L	09/18/10	17:05	
60994-1A	2Mg	13.78642	13.76415	13.80868	0.22840	mg/L	09/18/10	17:05	
60994-1A	Mn	5736.46777	5728.30712	5744.62792	0.20117	ug/L	09/18/10	17:05	
60994-1A	Mo	502.24777	502.04965	502.44589	0.05578	ug/L	09/18/10	17:05	
60994-1A	Na	15823.03125	15743.68945	15902.37207	0.70912	ug/L	09/18/10	17:05	
60994-1A	Ni	481.60876	480.49313	482.72439	0.32759	ug/L	09/18/10	17:05	
60994-1A	Pb	488.81103	490.33905	487.28298	0.44208	ug/L	09/18/10	17:05	
60994-1A	Se	1986.28723	1986.19799	1986.37646	0.00635	ug/L	09/18/10	17:05	
60994-1A	Sb	470.97534	472.27835	469.67230	0.39126	ug/L	09/18/10	17:05	
60994-1A	Sn	1013.34204	1011.07849	1015.60565	0.31590	ug/L	09/18/10	17:05	
60994-1A	Sr	742.76391	741.92449	743.60327	0.15981	ug/L	09/18/10	17:05	
60994-1A	Ti	1032.80322	1031.26599	1034.34057	0.21050	ug/L	09/18/10	17:05	
60994-1A	Tl	2024.85595	2016.87500	2032.83703	0.55741	ug/L	09/18/10	17:05	
60994-1A	V	472.74554	471.73400	473.75708	0.30259	ug/L	09/18/10	17:05	
60994-1A	Zn	594.01318	593.24603	594.78027	0.18263	ug/L	09/18/10	17:05	
60994-1A	2203/1	477.25195	479.05096	475.45294	0.53309	ug/L	09/18/10	17:05	
60994-1A	2203/2	494.58187	495.97463	493.18911	0.39824	ug/L	09/18/10	17:05	
60994-1A	1960/1	1921.10852	1924.30017	1917.91687	0.23495	ug/L	09/18/10	17:05	
60994-1A	1960/2	2018.82763	2017.10046	2020.55493	0.12099	ug/L	09/18/10	17:05	
60994-1A	Y	1013.08593	1013.84106	1012.33081	0.10541		09/18/10	17:05	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60944-2	Ag	-0.16730	-0.54602	0.21140	320.11660	ug/L	09/18/10	17:10	
60944-2	Al	8676.28515	8686.59375	8665.97656	0.16802	ug/L	09/18/10	17:10	
60944-2	2Al	8.67624	8.68645	8.66603	0.16637	mg/L	09/18/10	17:10	
60944-2	As	3.94223	4.44469	3.43976	18.02506	ug/L	09/18/10	17:10	
60944-2	B	61.43155	60.88675	61.97635	1.25418	ug/L	09/18/10	17:10	
60944-2	Ba	208.84373	209.28988	208.39758	0.30211	ug/L	09/18/10	17:10	
60944-2	Be	-0.01877	-0.03129	-0.00624	94.35250	ug/L	09/18/10	17:10	
60944-2	Ca	16981.23437	17009.91796	16952.54882	0.23888	ug/L	09/18/10	17:10	
60944-2	Cd	0.04181	-0.02365	0.10728	221.43424	ug/L	09/18/10	17:10	
60944-2	Co	12.10736	11.99787	12.21685	1.27886	ug/L	09/18/10	17:10	
60944-2	Cr	16.41392	16.43631	16.39153	0.19290	ug/L	09/18/10	17:10	
60944-2	Cu	106.95139	106.94029	106.96249	0.01467	ug/L	09/18/10	17:10	
60944-2	Fe	77.27946	77.04813	77.51080	0.42334	ug/L	09/18/10	17:10	
60944-2	2Fe	0.07728	0.07705	0.07751	0.42343	mg/L	09/18/10	17:10	
60944-2	K	716148.43750	718127.50000	714169.37500	0.39081	ug/L	09/18/10	17:10	
60944-2	Mg	5.39081	4.05787	6.72375	34.96813	ug/L	09/18/10	17:10	
60944-2	2Mg	0.00537	0.00404	0.00670	35.05051	mg/L	09/18/10	17:10	
60944-2	Mn	1.38898	1.45654	1.32142	6.87871	ug/L	09/18/10	17:10	
60944-2	Mo	66.13854	64.98086	67.29621	2.47541	ug/L	09/18/10	17:10	
60944-2	Na	1139752.00000	1140760.75000	1138743.37500	0.12515	ug/L	09/18/10	17:10	
60944-2	Ni	33.75554	33.55979	33.95129	0.82009	ug/L	09/18/10	17:10	
60944-2	Pb	3.23120	2.38529	4.07711	37.02326	ug/L	09/18/10	17:10	
60944-2	Se	15.05069	16.14177	13.95960	10.25219	ug/L	09/18/10	17:10	
60944-2	Sb	0.01208	-0.83708	0.86125	9936.41015	ug/L	09/18/10	17:10	
60944-2	Sn	80.12195	80.40528	79.83863	0.50009	ug/L	09/18/10	17:10	
60944-2	Sr	3407.56201	3412.53295	3402.59106	0.20630	ug/L	09/18/10	17:10	
60944-2	Ti	0.95066	0.96256	0.93875	1.77148	ug/L	09/18/10	17:10	
60944-2	Tl	5.38408	-0.84758	11.61575	163.68443	ug/L	09/18/10	17:10	
60944-2	V	61.99763	61.54297	62.45230	1.03712	ug/L	09/18/10	17:10	
60944-2	Zn	11.32491	11.17470	11.47512	1.87575	ug/L	09/18/10	17:10	
60944-2	2203/1	5.89871	3.12738	8.67003	66.44241	ug/L	09/18/10	17:10	
60944-2	2203/2	1.89945	2.01480	1.78409	8.58853	ug/L	09/18/10	17:10	
60944-2	1960/1	14.97166	15.51857	14.42475	5.16607	ug/L	09/18/10	17:10	
60944-2	1960/2	15.09015	16.45291	13.72738	12.77150	ug/L	09/18/10	17:10	
60944-2	Y	999.11791	995.55169	1002.68414	0.50478		09/18/10	17:10	
61012-1	Ag	0.30648	-0.95651	1.56949	582.78369	ug/L	09/18/10	17:15	
61012-1	Al	4623.71777	4674.38476	4573.05078	1.54970	ug/L	09/18/10	17:15	
61012-1	2Al	4.62407	4.67464	4.57350	1.54674	mg/L	09/18/10	17:15	
61012-1	As	0.16757	1.20721	-0.87207	877.40856	ug/L	09/18/10	17:15	
61012-1	B	17.99152	17.08116	18.90188	7.15582	ug/L	09/18/10	17:15	
61012-1	Ba	669.48999	676.64776	662.33215	1.51199	ug/L	09/18/10	17:15	
61012-1	Be	1.39929	1.38735	1.41124	1.20721	ug/L	09/18/10	17:15	
61012-1	Ca	544.07275	549.94219	538.20336	1.52564	ug/L	09/18/10	17:15	
61012-1	Cd	-0.10826	-0.34006	0.12353	302.79208	ug/L	09/18/10	17:15	
61012-1	Co	1.04516	1.03162	1.05870	1.83237	ug/L	09/18/10	17:15	
61012-1	Cr	12.54728	12.24044	12.85413	3.45848	ug/L	09/18/10	17:15	
61012-1	Cu	0.30273	0.11797	0.48749	86.30970	ug/L	09/18/10	17:15	
61012-1	Fe	5556.87402	5593.43994	5520.30810	0.93059	ug/L	09/18/10	17:15	
61012-1	2Fe	5.55646	5.59302	5.51990	0.93059	mg/L	09/18/10	17:15	
61012-1	K	553.25573	522.27490	584.23663	7.91922	ug/L	09/18/10	17:15	
61012-1	Mg	1458.19897	1471.48095	1444.91687	1.28814	ug/L	09/18/10	17:15	
61012-1	2Mg	1.45681	1.47008	1.44354	1.28838	mg/L	09/18/10	17:15	
61012-1	Mn	5.64011	5.71983	5.56039	1.99896	ug/L	09/18/10	17:15	
61012-1	Mo	-1.08163	-2.17196	0.00870	142.55895	ug/L	09/18/10	17:15	
61012-1	Na	27264.01562	27356.44921	27171.58007	0.47946	ug/L	09/18/10	17:15	
61012-1	Ni	1.44484	1.25957	1.63012	18.13478	ug/L	09/18/10	17:15	
61012-1	Pb	7.79902	9.25065	6.34740	26.32263	ug/L	09/18/10	17:15	
61012-1	Se	6.94252	6.36433	7.52071	11.77788	ug/L	09/18/10	17:15	
61012-1	Sb	-0.92182	-3.69126	1.84762	424.87478	ug/L	09/18/10	17:15	
61012-1	Sn	2.16045	1.04142	3.27949	73.25083	ug/L	09/18/10	17:15	
61012-1	Sr	704.60290	712.91210	696.29376	1.66774	ug/L	09/18/10	17:15	
61012-1	Ti	30.27585	30.57432	29.97738	1.39418	ug/L	09/18/10	17:15	
61012-1	Tl	4.25090	1.24441	7.25740	100.02167	ug/L	09/18/10	17:15	
61012-1	V	12.86860	12.74996	12.98724	1.30376	ug/L	09/18/10	17:15	
61012-1	Zn	6.05947	5.93576	6.18319	2.88741	ug/L	09/18/10	17:15	
61012-1	2203/1	9.41244	8.54997	10.27491	12.95857	ug/L	09/18/10	17:15	
61012-1	2203/2	6.99353	9.60047	4.38659	52.71686	ug/L	09/18/10	17:15	
61012-1	1960/1	5.26914	4.82257	5.71570	11.98563	ug/L	09/18/10	17:15	
61012-1	1960/2	7.77796	7.13405	8.42186	11.70762	ug/L	09/18/10	17:15	
61012-1	Y	1025.90161	1015.62200	1036.18115	1.41704		09/18/10	17:15	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61012-2	Ag	0.39073	0.43675	0.34472	16.65533	ug/L	09/18/10	17:20	
61012-2	Al	940.45422	947.11682	933.79156	1.00189	ug/L	09/18/10	17:20	
61012-2	2Al	0.94054	0.94721	0.93388	1.00189	mg/L	09/18/10	17:20	
61012-2	As	-3.58454	-1.41423	-5.75486	85.62548	ug/L	09/18/10	17:20	
61012-2	B	33.49642	34.71145	32.28139	5.12983	ug/L	09/18/10	17:20	
61012-2	Ba	98.91194	98.70251	99.12138	0.29944	ug/L	09/18/10	17:20	
61012-2	Be	0.20880	0.22910	0.18850	13.74828	ug/L	09/18/10	17:20	
61012-2	Ca	12797.89648	12793.83203	12801.96093	0.04491	ug/L	09/18/10	17:20	
61012-2	Cd	0.31177	0.38047	0.24307	31.16322	ug/L	09/18/10	17:20	
61012-2	Co	-0.21224	0.51016	-0.93465	481.35684	ug/L	09/18/10	17:20	
61012-2	Cr	2.33243	2.82387	1.84099	29.79739	ug/L	09/18/10	17:20	
61012-2	Cu	-0.64388	0.02595	-1.31373	147.12249	ug/L	09/18/10	17:20	
61012-2	Fe	1338.50317	1349.83227	1327.17407	1.19699	ug/L	09/18/10	17:20	
61012-2	2Fe	1.33840	1.34973	1.32707	1.19700	mg/L	09/18/10	17:20	
61012-2	K	1376.49511	1386.07629	1366.91381	0.98437	ug/L	09/18/10	17:20	
61012-2	Mg	2503.93383	2503.82177	2504.04589	0.00632	ug/L	09/18/10	17:20	
61012-2	2Mg	2.50299	2.50287	2.50310	0.00642	mg/L	09/18/10	17:20	
61012-2	Mn	2.12105	2.20284	2.03925	5.45355	ug/L	09/18/10	17:20	
61012-2	Mo	-1.25077	-2.01932	-0.48221	86.89830	ug/L	09/18/10	17:20	
61012-2	Na	5863.62695	6007.70947	5719.54492	3.47503	ug/L	09/18/10	17:20	
61012-2	Ni	0.82148	1.00800	0.63497	32.10956	ug/L	09/18/10	17:20	
61012-2	Pb	2.62913	2.82507	2.43318	10.53992	ug/L	09/18/10	17:20	
61012-2	Se	2.44056	3.83679	1.04433	80.90632	ug/L	09/18/10	17:20	
61012-2	Sb	-0.79342	-0.50979	-1.07705	50.55449	ug/L	09/18/10	17:20	
61012-2	Sn	1.90094	1.36077	2.44111	40.18590	ug/L	09/18/10	17:20	
61012-2	Sr	135.05369	134.87200	135.23538	0.19025	ug/L	09/18/10	17:20	
61012-2	Ti	5.16036	5.28120	5.03951	3.31173	ug/L	09/18/10	17:20	
61012-2	Tl	4.62822	5.22691	4.02953	18.29369	ug/L	09/18/10	17:20	
61012-2	V	3.92762	3.97683	3.87841	1.77195	ug/L	09/18/10	17:20	
61012-2	Zn	4.22901	4.70921	3.74881	16.05825	ug/L	09/18/10	17:20	
61012-2	2203/1	5.58673	4.08415	7.08931	38.03594	ug/L	09/18/10	17:20	
61012-2	2203/2	1.15254	2.19647	0.10860	128.09463	ug/L	09/18/10	17:20	
61012-2	1960/1	4.67919	4.96566	4.39273	8.65791	ug/L	09/18/10	17:20	
61012-2	1960/2	1.32292	3.27321	-0.62735	208.48629	ug/L	09/18/10	17:20	
61012-2	Y	1020.86871	1021.45361	1020.28381	0.08102		09/18/10	17:20	
61012-9	Ag	-0.16051	-0.20238	-0.11863	36.89113	ug/L	09/18/10	17:25	
61012-9	Al	29649.88476	29689.01562	29610.75390	0.18664	ug/L	09/18/10	17:25	
61012-9	2Al	29.65183	29.69088	29.61278	0.18624	mg/L	09/18/10	17:25	
61012-9	As	1.74155	2.45028	1.03282	57.55206	ug/L	09/18/10	17:25	
61012-9	B	25.49111	24.76239	26.21982	4.04282	ug/L	09/18/10	17:25	
61012-9	Ba	2686.64599	2686.35888	2686.93310	0.01511	ug/L	09/18/10	17:25	
61012-9	Be	6.89327	6.88275	6.90379	0.21584	ug/L	09/18/10	17:25	
61012-9	Ca	2784.07226	2784.78442	2783.36035	0.03616	ug/L	09/18/10	17:25	
61012-9	Cd	-0.76687	-0.83205	-0.70169	12.01987	ug/L	09/18/10	17:25	
61012-9	Co	2.01546	2.81483	1.21608	56.09068	ug/L	09/18/10	17:25	
61012-9	Cr	84.75910	84.87985	84.63836	0.20146	ug/L	09/18/10	17:25	
61012-9	Cu	4.15700	4.31383	4.00017	5.33535	ug/L	09/18/10	17:25	
61012-9	Fe	31355.88281	31338.89843	31372.86523	0.07659	ug/L	09/18/10	17:25	
61012-9	2Fe	31.35265	31.33567	31.36963	0.07660	mg/L	09/18/10	17:25	
61012-9	K	2828.90869	2819.93505	2837.88256	0.44861	ug/L	09/18/10	17:25	
61012-9	Mg	3446.01464	3444.26489	3447.76464	0.07181	ug/L	09/18/10	17:25	
61012-9	2Mg	3.43953	3.43779	3.44128	0.07181	mg/L	09/18/10	17:25	
61012-9	Mn	19.09073	19.02930	19.15217	0.45512	ug/L	09/18/10	17:25	
61012-9	Mo	0.04506	-0.74443	0.83455	2477.83789	ug/L	09/18/10	17:25	
61012-9	Na	9548.40820	9513.79003	9583.02734	0.51273	ug/L	09/18/10	17:25	
61012-9	Ni	3.62603	3.29933	3.95272	12.74184	ug/L	09/18/10	17:25	
61012-9	Pb	74.71517	75.75617	73.67418	1.97039	ug/L	09/18/10	17:25	
61012-9	Se	4.56842	2.45840	6.67843	65.31828	ug/L	09/18/10	17:25	
61012-9	Sb	1.82922	-0.08238	3.74083	147.79039	ug/L	09/18/10	17:25	
61012-9	Sn	1.01656	-0.57411	2.60724	221.29042	ug/L	09/18/10	17:25	
61012-9	Sr	3052.99267	3053.14819	3052.83691	0.00720	ug/L	09/18/10	17:25	
61012-9	Ti	136.71377	136.88049	136.54704	0.17246	ug/L	09/18/10	17:25	
61012-9	Tl	2.76503	-0.11691	5.64699	147.40138	ug/L	09/18/10	17:25	
61012-9	V	80.70626	81.15689	80.25564	0.78963	ug/L	09/18/10	17:25	
61012-9	Zn	13.27087	13.50514	13.03660	2.49649	ug/L	09/18/10	17:25	
61012-9	2203/1	78.84497	79.64475	78.04520	1.43452	ug/L	09/18/10	17:25	
61012-9	2203/2	72.65338	73.81479	71.49195	2.26072	ug/L	09/18/10	17:25	
61012-9	1960/1	2.13457	0.40443	3.86471	114.62670	ug/L	09/18/10	17:25	
61012-9	1960/2	5.78352	3.48385	8.08319	56.23258	ug/L	09/18/10	17:25	
61012-9	Y	1130.47827	1129.09448	1131.86193	0.17310		09/18/10	17:25	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60994-1	Ag	0.60805	0.67833	0.53776	16.34684	ug/L	09/18/10	17:30	
60994-1	Al	34.06602	31.98454	36.14750	8.64104	ug/L	09/18/10	17:30	
60994-1	2Al	0.03406	0.03198	0.03615	8.64104	mg/L	09/18/10	17:30	
60994-1	As	-1.88435	-1.84203	-1.92666	3.17545	ug/L	09/18/10	17:30	
60994-1	B	7.26325	8.44825	6.07825	23.07285	ug/L	09/18/10	17:30	
60994-1	Ba	122.57130	122.63529	122.50730	0.07383	ug/L	09/18/10	17:30	
60994-1	Be	0.07190	0.06175	0.08204	19.95044	ug/L	09/18/10	17:30	
60994-1	Ca	56520.75781	56534.49218	56507.02343	0.03436	ug/L	09/18/10	17:30	
60994-1	Cd	-0.18134	-0.15785	-0.20483	18.32034	ug/L	09/18/10	17:30	
60994-1	Co	8.19558	7.99659	8.39456	3.43361	ug/L	09/18/10	17:30	
60994-1	Cr	1.18215	1.38540	0.97890	24.31449	ug/L	09/18/10	17:30	
60994-1	Cu	-0.97108	-0.95406	-0.98811	2.47935	ug/L	09/18/10	17:30	
60994-1	Fe	2318.51123	2318.90747	2318.11474	0.02417	ug/L	09/18/10	17:30	
60994-1	2Fe	2.31834	2.31873	2.31794	0.02417	mg/L	09/18/10	17:30	
60994-1	K	3065.66284	3058.64575	3072.67993	0.32370	ug/L	09/18/10	17:30	
60994-1	Mg	8786.82128	8786.33593	8787.30664	0.00781	ug/L	09/18/10	17:30	
60994-1	2Mg	8.78639	8.78590	8.78687	0.00781	mg/L	09/18/10	17:30	
60994-1	Mn	5368.02343	5368.83740	5367.20947	0.02144	ug/L	09/18/10	17:30	
60994-1	Mo	1.45827	1.77681	1.13973	30.89179	ug/L	09/18/10	17:30	
60994-1	Na	11127.12695	11014.55273	11239.70117	1.43077	ug/L	09/18/10	17:30	
60994-1	Ni	0.40457	0.21488	0.59426	66.30778	ug/L	09/18/10	17:30	
60994-1	Pb	-0.92037	-0.80435	-1.03640	17.82806	ug/L	09/18/10	17:30	
60994-1	Se	7.48515	4.56399	10.40632	55.19118	ug/L	09/18/10	17:30	
60994-1	Sb	-1.01774	-3.35274	1.31724	324.45977	ug/L	09/18/10	17:30	
60994-1	Sn	-1.82367	-1.72589	-1.92144	7.58207	ug/L	09/18/10	17:30	
60994-1	Sr	221.68684	221.84591	221.52777	0.10147	ug/L	09/18/10	17:30	
60994-1	Ti	0.44086	0.60769	0.27402	53.51846	ug/L	09/18/10	17:30	
60994-1	Tl	7.32321	9.39777	5.24864	40.06270	ug/L	09/18/10	17:30	
60994-1	V	0.11213	0.13575	0.08851	29.79286	ug/L	09/18/10	17:30	
60994-1	Zn	18.35552	18.21919	18.49184	1.05033	ug/L	09/18/10	17:30	
60994-1	2203/1	1.40517	1.73869	1.07165	33.56648	ug/L	09/18/10	17:30	
60994-1	2203/2	-2.08141	-2.07397	-2.08885	0.50563	ug/L	09/18/10	17:30	
60994-1	1960/1	6.75789	3.40541	10.11038	70.15686	ug/L	09/18/10	17:30	
60994-1	1960/2	7.84824	5.14241	10.55406	48.75757	ug/L	09/18/10	17:30	
60994-1	Y	1008.37170	1008.42846	1008.31500	0.00795		09/18/10	17:30	
60994-2	Ag	0.77735	0.12560	1.42910	118.57040	ug/L	09/18/10	17:35	
60994-2	Al	9151.75195	9163.97167	9139.53320	0.18882	ug/L	09/18/10	17:35	
60994-2	2Al	9.15224	9.16425	9.14023	0.18564	mg/L	09/18/10	17:35	
60994-2	As	5.52825	1.84215	9.21436	94.29618	ug/L	09/18/10	17:35	
60994-2	B	59.39138	59.05649	59.72626	0.79742	ug/L	09/18/10	17:35	
60994-2	Ba	193.93832	194.00462	193.87203	0.04834	ug/L	09/18/10	17:35	
60994-2	Be	-0.01058	-0.02066	-0.00050	134.62928	ug/L	09/18/10	17:35	
60994-2	Ca	16288.23730	16255.48632	16320.98828	0.28435	ug/L	09/18/10	17:35	
60994-2	Cd	0.12665	0.14506	0.10824	20.55886	ug/L	09/18/10	17:35	
60994-2	Co	11.68334	11.10856	12.25813	6.95748	ug/L	09/18/10	17:35	
60994-2	Cr	15.26090	15.14660	15.37520	1.05920	ug/L	09/18/10	17:35	
60994-2	Cu	111.58776	110.95021	112.22531	0.80800	ug/L	09/18/10	17:35	
60994-2	Fe	78.51965	78.43170	78.60758	0.15838	ug/L	09/18/10	17:35	
60994-2	2Fe	0.07852	0.07843	0.07861	0.15872	mg/L	09/18/10	17:35	
60994-2	K	730597.37500	732179.81250	729015.00000	0.30630	ug/L	09/18/10	17:35	
60994-2	Mg	8.26658	6.91592	9.61723	23.10645	ug/L	09/18/10	17:35	
60994-2	2Mg	0.00825	0.00690	0.00960	23.14378	mg/L	09/18/10	17:35	
60994-2	Mn	1.15665	1.10480	1.20850	6.33964	ug/L	09/18/10	17:35	
60994-2	Mo	68.37812	67.43220	69.32404	1.95637	ug/L	09/18/10	17:35	
60994-2	Na	1180754.50000	1180671.87500	1180837.00000	0.00988	ug/L	09/18/10	17:35	
60994-2	Ni	35.97885	35.71355	36.24416	1.04284	ug/L	09/18/10	17:35	
60994-2	Pb	2.48579	3.59265	1.37894	62.97071	ug/L	09/18/10	17:35	
60994-2	Se	8.52004	7.75403	9.28604	12.71467	ug/L	09/18/10	17:35	
60994-2	Sb	-1.92082	-6.28963	2.44797	321.65362	ug/L	09/18/10	17:35	
60994-2	Sn	89.05841	89.57542	88.54138	0.82100	ug/L	09/18/10	17:35	
60994-2	Sr	3298.62988	3298.28320	3298.97656	0.01486	ug/L	09/18/10	17:35	
60994-2	Ti	0.85610	0.72739	0.98480	21.26115	ug/L	09/18/10	17:35	
60994-2	Tl	2.51195	1.94955	3.07435	31.66262	ug/L	09/18/10	17:35	
60994-2	V	66.83380	66.75258	66.91503	0.17186	ug/L	09/18/10	17:35	
60994-2	Zn	10.56883	10.14445	10.99321	5.67864	ug/L	09/18/10	17:35	
60994-2	2203/1	6.73180	5.81654	7.64707	19.22783	ug/L	09/18/10	17:35	
60994-2	2203/2	0.36597	2.48237	-1.75041	817.81951	ug/L	09/18/10	17:35	
60994-2	1960/1	11.83065	8.56741	15.09390	39.00822	ug/L	09/18/10	17:35	
60994-2	1960/2	6.86721	7.34795	6.38646	9.90030	ug/L	09/18/10	17:35	
60994-2	Y	972.62237	967.79907	977.44567	0.70131		09/18/10	17:35	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	488.00128	489.51101	486.49157	0.43751	ug/L	09/18/10	17:41	
CCV	Al	4745.16699	4773.14111	4717.19335	0.83371	ug/L	09/18/10	17:41	
CCV	2Al	4.74549	4.77337	4.71761	0.83079	mg/L	09/18/10	17:41	
CCV	As	499.97094	502.93344	497.00848	0.83796	ug/L	09/18/10	17:41	
CCV	B	4989.91699	4996.52978	4983.30468	0.18740	ug/L	09/18/10	17:41	
CCV	Ba	4948.55322	4963.23193	4933.87451	0.41949	ug/L	09/18/10	17:41	
CCV	Be	504.63839	506.09982	503.17697	0.40955	ug/L	09/18/10	17:41	
CCV	Ca	4899.29345	4911.61425	4886.97265	0.35564	ug/L	09/18/10	17:41	
CCV	Cd	515.88024	517.72686	514.03369	0.50621	ug/L	09/18/10	17:41	
CCV	Co	494.00415	496.08779	491.92047	0.59650	ug/L	09/18/10	17:41	
CCV	Cr	5013.72460	5029.69189	4997.75683	0.45039	ug/L	09/18/10	17:41	
CCV	Cu	4852.69238	4872.47265	4832.91259	0.57644	ug/L	09/18/10	17:41	
CCV	Fe	4875.13281	4887.74365	4862.52246	0.36581	ug/L	09/18/10	17:41	
CCV	2Fe	4.87538	4.88800	4.86277	0.36583	mg/L	09/18/10	17:41	
CCV	K	9808.03515	9767.22167	9848.84960	0.58849	ug/L	09/18/10	17:41	
CCV	Mg	4956.64355	4983.91406	4929.37255	0.77808	ug/L	09/18/10	17:41	
CCV	2Mg	4.95666	4.98393	4.92940	0.77800	mg/L	09/18/10	17:41	
CCV	Mn	4981.64257	4998.06005	4965.22558	0.46606	ug/L	09/18/10	17:41	
CCV	Mo	512.88293	514.95843	510.80740	0.57229	ug/L	09/18/10	17:41	
CCV	Na	7393.28027	7198.11767	7588.44287	3.73314	ug/L	09/18/10	17:41	
CCV	Ni	2509.69677	2512.87792	2506.51586	0.17925	ug/L	09/18/10	17:41	
CCV	Pb	507.60412	506.75347	508.45474	0.23699	ug/L	09/18/10	17:41	
CCV	Se	5084.29003	5073.17578	5095.40380	0.30914	ug/L	09/18/10	17:41	
CCV	Sb	493.25399	491.84826	494.65972	0.40303	ug/L	09/18/10	17:41	
CCV	Sn	5015.44433	5028.91992	5001.96826	0.37998	ug/L	09/18/10	17:41	
CCV	Sr	2582.65112	2585.69580	2579.60644	0.16672	ug/L	09/18/10	17:41	
CCV	Ti	493.95404	495.47357	492.43453	0.43504	ug/L	09/18/10	17:41	
CCV	Tl	5134.66259	5151.58789	5117.73730	0.46616	ug/L	09/18/10	17:41	
CCV	V	4873.81494	4887.81396	4859.81591	0.40620	ug/L	09/18/10	17:41	
CCV	Zn	2495.60644	2505.99877	2485.21435	0.58890	ug/L	09/18/10	17:41	
CCV	2203/1	495.55871	493.51980	497.59759	0.58185	ug/L	09/18/10	17:41	
CCV	2203/2	513.61364	513.35626	513.87103	0.07086	ug/L	09/18/10	17:41	
CCV	1960/1	4928.18212	4923.16210	4933.20214	0.14405	ug/L	09/18/10	17:41	
CCV	1960/2	5162.22656	5148.07031	5176.38330	0.38782	ug/L	09/18/10	17:41	
CCV	Y	1008.44592	1005.61743	1011.27447	0.39666		09/18/10	17:41	
CCB	Ag	0.02233	-0.86337	0.90804	5607.29052	ug/L	09/18/10	17:46	
CCB	Al	30.49356	27.99941	32.98772	11.56724	ug/L	09/18/10	17:46	
CCB	2Al	0.03049	0.02800	0.03299	11.56724	mg/L	09/18/10	17:46	
CCB	As	-3.06168	-4.13700	-1.98637	49.66949	ug/L	09/18/10	17:46	
CCB	B	17.84218	19.75289	15.93147	15.14474	ug/L	09/18/10	17:46	
CCB	Ba	0.44897	-0.00003	0.89799	141.43388	ug/L	09/18/10	17:46	
CCB	Be	0.03090	0.00458	0.05722	120.43431	ug/L	09/18/10	17:46	
CCB	Ca	-3.84317	-5.67644	-2.00990	67.46061	ug/L	09/18/10	17:46	
CCB	Cd	-0.09762	-0.24347	0.04822	211.28353	ug/L	09/18/10	17:46	
CCB	Co	-0.13777	-0.68323	0.40769	559.91101	ug/L	09/18/10	17:46	
CCB	Cr	0.25506	-0.20537	0.71551	255.29385	ug/L	09/18/10	17:46	
CCB	Cu	-0.56493	-1.09775	-0.03210	133.38357	ug/L	09/18/10	17:46	
CCB	Fe	-12.76765	-13.24743	-12.28787	5.31430	ug/L	09/18/10	17:46	
CCB	2Fe	-0.01276	-0.01324	-0.01228	5.31768	mg/L	09/18/10	17:46	
CCB	K	14.91314	-22.52479	52.35108	355.02392	ug/L	09/18/10	17:46	
CCB	Mg	1.33407	-1.32485	3.99301	281.86566	ug/L	09/18/10	17:46	
CCB	2Mg	0.00133	-0.00132	0.00399	281.34506	mg/L	09/18/10	17:46	
CCB	Mn	0.64076	0.14912	1.13240	108.50846	ug/L	09/18/10	17:46	
CCB	Mo	-0.62533	-1.32827	0.07760	158.97187	ug/L	09/18/10	17:46	
CCB	Na	-54.34162	-69.48749	-39.19574	39.41638	ug/L	09/18/10	17:46	
CCB	Ni	-0.06609	-0.45841	0.32623	839.48663	ug/L	09/18/10	17:46	
CCB	Pb	2.03792	1.73793	2.33791	20.81756	ug/L	09/18/10	17:46	
CCB	Se	3.69161	-1.55072	8.93395	200.82759	ug/L	09/18/10	17:46	
CCB	Sb	-0.54864	-4.90456	3.80728	1122.81286	ug/L	09/18/10	17:46	
CCB	Sn	-0.54034	-2.63849	1.55779	549.12951	ug/L	09/18/10	17:46	
CCB	Sr	0.35391	0.01229	0.69553	136.50956	ug/L	09/18/10	17:46	
CCB	Ti	0.36451	0.34394	0.38507	7.97922	ug/L	09/18/10	17:46	
CCB	Tl	3.96777	2.33896	5.59658	58.05471	ug/L	09/18/10	17:46	
CCB	V	0.69067	-0.59186	1.97321	262.61203	ug/L	09/18/10	17:46	
CCB	Zn	0.83236	0.58768	1.07705	41.57298	ug/L	09/18/10	17:46	
CCB	2203/1	-0.62258	-4.48286	3.23769	876.86633	ug/L	09/18/10	17:46	
CCB	2203/2	3.36618	4.84367	1.88869	62.07281	ug/L	09/18/10	17:46	
CCB	1960/1	0.16549	-6.86613	7.19713	6008.65771	ug/L	09/18/10	17:46	
CCB	1960/2	5.45203	1.10300	9.80106	112.81034	ug/L	09/18/10	17:46	
CCB	Y	1014.36486	1015.69183	1013.03790	0.18500		09/18/10	17:46	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 179845	Ag	-0.42146	-0.95713	0.11421	179.74746	ug/L	09/18/10	17:51	
PBW 179845	Al	31.84058	28.74190	34.93927	13.76294	ug/L	09/18/10	17:51	
PBW 179845	2Al	0.03184	0.02874	0.03494	13.76288	mg/L	09/18/10	17:51	
PBW 179845	As	-1.16084	-1.94697	-0.37471	95.77118	ug/L	09/18/10	17:51	
PBW 179845	B	6.70807	6.18286	7.23327	11.07253	ug/L	09/18/10	17:51	
PBW 179845	Ba	0.04474	-0.07690	0.16639	384.47198	ug/L	09/18/10	17:51	
PBW 179845	Be	-0.00599	-0.00265	-0.00932	78.64763	ug/L	09/18/10	17:51	
PBW 179845	Ca	9.37203	9.12353	9.62053	3.74982	ug/L	09/18/10	17:51	
PBW 179845	Cd	-0.12130	0.02500	-0.26760	170.57044	ug/L	09/18/10	17:51	
PBW 179845	Co	-0.42562	-0.75838	-0.09285	110.56684	ug/L	09/18/10	17:51	
PBW 179845	Cr	0.40086	0.08866	0.71305	110.13964	ug/L	09/18/10	17:51	
PBW 179845	Cu	-1.30111	-1.33504	-1.26717	3.68887	ug/L	09/18/10	17:51	
PBW 179845	Fe	-9.18586	-13.24438	-5.12734	62.48314	ug/L	09/18/10	17:51	
PBW 179845	2Fe	-0.00918	-0.01324	-0.00512	62.48474	mg/L	09/18/10	17:51	
PBW 179845	K	-8.69387	-13.92501	-3.46272	85.09399	ug/L	09/18/10	17:51	
PBW 179845	Mg	2.65460	1.32672	3.98248	70.74131	ug/L	09/18/10	17:51	
PBW 179845	2Mg	0.00265	0.00132	0.00398	70.65954	mg/L	09/18/10	17:51	
PBW 179845	Mn	0.21621	0.13822	0.29421	51.01436	ug/L	09/18/10	17:51	
PBW 179845	Mo	-1.92711	-1.61082	-2.24340	23.21101	ug/L	09/18/10	17:51	
PBW 179845	Na	-239.97061	-188.01557	-291.92562	30.61854	ug/L	09/18/10	17:51	
PBW 179845	Ni	-0.03908	0.30738	-0.38556	1253.61779	ug/L	09/18/10	17:51	
PBW 179845	Pb	0.27494	0.74011	-0.19022	239.26466	ug/L	09/18/10	17:51	
PBW 179845	Se	3.29107	3.22928	3.35287	2.65548	ug/L	09/18/10	17:51	
PBW 179845	Sb	1.34883	-2.36536	5.06302	389.42352	ug/L	09/18/10	17:51	
PBW 179845	Sn	-0.64034	-1.39011	0.10942	165.58840	ug/L	09/18/10	17:51	
PBW 179845	Sr	0.14671	0.09102	0.20240	53.68359	ug/L	09/18/10	17:51	
PBW 179845	Ti	0.37501	0.38535	0.36468	3.89716	ug/L	09/18/10	17:51	
PBW 179845	Tl	2.61000	1.30545	3.91456	70.68627	ug/L	09/18/10	17:51	
PBW 179845	V	0.24726	-0.24624	0.74077	282.25534	ug/L	09/18/10	17:51	
PBW 179845	Zn	0.29282	0.21163	0.37400	39.20988	ug/L	09/18/10	17:51	
PBW 179845	2203/1	0.11204	-1.69814	1.92224	2284.71533	ug/L	09/18/10	17:51	
PBW 179845	2203/2	0.35627	1.95742	-1.24487	635.56945	ug/L	09/18/10	17:51	
PBW 179845	1960/1	-1.78021	-1.36218	-2.19824	33.20854	ug/L	09/18/10	17:51	
PBW 179845	1960/2	5.82292	5.52157	6.12427	7.31889	ug/L	09/18/10	17:51	
PBW 179845	Y	1014.99780	1014.87121	1015.12438	0.01763		09/18/10	17:51	
LCSW-1	Ag	50.51848	51.13915	49.89781	1.73749	ug/L	09/18/10	17:56	
LCSW-1	Al	1984.38110	1991.70214	1977.06018	0.52174	ug/L	09/18/10	17:56	
LCSW-1	2Al	1.98457	1.99189	1.97725	0.52174	mg/L	09/18/10	17:56	
LCSW-1	As	2095.76562	2100.19604	2091.33520	0.29896	ug/L	09/18/10	17:56	
LCSW-1	B	1071.15258	1072.02429	1070.28088	0.11508	ug/L	09/18/10	17:56	
LCSW-1	Ba	2092.97851	2097.92236	2088.03491	0.33404	ug/L	09/18/10	17:56	
LCSW-1	Be	52.60747	52.74581	52.46912	0.37191	ug/L	09/18/10	17:56	
LCSW-1	Ca	5156.96826	5166.18359	5147.75292	0.25271	ug/L	09/18/10	17:56	
LCSW-1	Cd	54.11897	54.20932	54.02862	0.23608	ug/L	09/18/10	17:56	
LCSW-1	Co	522.60772	523.49114	521.72430	0.23906	ug/L	09/18/10	17:56	
LCSW-1	Cr	212.49926	213.22572	211.77279	0.48347	ug/L	09/18/10	17:56	
LCSW-1	Cu	250.21237	250.33445	250.09028	0.06900	ug/L	09/18/10	17:56	
LCSW-1	Fe	1017.08630	1002.99523	1031.17736	1.95930	ug/L	09/18/10	17:56	
LCSW-1	2Fe	1.01723	1.00314	1.03131	1.95883	mg/L	09/18/10	17:56	
LCSW-1	K	5292.71289	5283.03125	5302.39453	0.25869	ug/L	09/18/10	17:56	
LCSW-1	Mg	5206.79443	5219.76611	5193.82275	0.35232	ug/L	09/18/10	17:56	
LCSW-1	2Mg	5.20538	5.21835	5.19241	0.35240	mg/L	09/18/10	17:56	
LCSW-1	Mn	523.25231	524.72180	521.78289	0.39715	ug/L	09/18/10	17:56	
LCSW-1	Mo	542.02368	543.77984	540.26745	0.45821	ug/L	09/18/10	17:56	
LCSW-1	Na	4969.38281	4893.99902	5044.76660	2.14531	ug/L	09/18/10	17:56	
LCSW-1	Ni	527.61627	527.75238	527.48016	0.03648	ug/L	09/18/10	17:56	
LCSW-1	Pb	526.81652	528.47662	525.15649	0.44563	ug/L	09/18/10	17:56	
LCSW-1	Se	2154.71923	2162.45825	2146.98046	0.50792	ug/L	09/18/10	17:56	
LCSW-1	Sb	511.89233	506.71646	517.06817	1.42994	ug/L	09/18/10	17:56	
LCSW-1	Sn	1050.30273	1050.40490	1050.20068	0.01374	ug/L	09/18/10	17:56	
LCSW-1	Sr	552.10888	553.02764	551.19012	0.23533	ug/L	09/18/10	17:56	
LCSW-1	Ti	722.45281	724.52764	720.37799	0.40615	ug/L	09/18/10	17:56	
LCSW-1	Tl	2223.87231	2224.99096	2222.75366	0.07113	ug/L	09/18/10	17:56	
LCSW-1	V	505.41772	505.88003	504.95541	0.12935	ug/L	09/18/10	17:56	
LCSW-1	Zn	529.62573	530.49316	528.75830	0.23162	ug/L	09/18/10	17:56	
LCSW-1	2203/1	513.28808	513.44665	513.12945	0.04369	ug/L	09/18/10	17:56	
LCSW-1	2203/2	533.57067	535.98034	531.16094	0.63868	ug/L	09/18/10	17:56	
LCSW-1	1960/1	2079.78417	2086.68432	2072.88427	0.46918	ug/L	09/18/10	17:56	
LCSW-1	1960/2	2192.12988	2200.28784	2183.97216	0.52628	ug/L	09/18/10	17:56	
LCSW-1	Y	1019.56799	1015.47357	1023.66235	0.56792		09/18/10	17:56	

44

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60917-5	Ag	-0.07133	-0.77229	0.62963	1389.74267	ug/L	09/18/10	18:01	
60917-5	Al	35.95556	36.47626	35.43486	2.04801	ug/L	09/18/10	18:01	
60917-5	2Al	0.03595	0.03647	0.03543	2.04801	mg/L	09/18/10	18:01	
60917-5	As	1.98915	1.93449	2.04381	3.88633	ug/L	09/18/10	18:01	
60917-5	B	252.34161	251.11637	253.56684	0.68666	ug/L	09/18/10	18:01	
60917-5	Ba	42.49043	42.44883	42.53203	0.13845	ug/L	09/18/10	18:01	
60917-5	Be	-0.01018	-0.02322	0.00285	181.00050	ug/L	09/18/10	18:01	
60917-5	Ca	89784.68750	89666.34375	89903.03906	0.18641	ug/L	09/18/10	18:01	
60917-5	Cd	-0.29846	-0.27910	-0.31783	9.17573	ug/L	09/18/10	18:01	
60917-5	Co	0.53930	0.34061	0.73798	52.10029	ug/L	09/18/10	18:01	
60917-5	Cr	0.10824	0.23676	-0.02027	167.91687	ug/L	09/18/10	18:01	
60917-5	Cu	-1.52389	-1.52976	-1.51802	0.54487	ug/L	09/18/10	18:01	
60917-5	Fe	-0.59265	-20.50743	19.32211	4752.09912	ug/L	09/18/10	18:01	
60917-5	2Fe	-0.00059	-0.02050	0.01932	4752.88037	mg/L	09/18/10	18:01	
60917-5	K	5988.36914	5965.60839	6011.13037	0.53752	ug/L	09/18/10	18:01	
60917-5	Mg	16856.31445	16833.03125	16879.59765	0.19534	ug/L	09/18/10	18:01	
60917-5	2Mg	16.85155	16.82828	16.87482	0.19530	mg/L	09/18/10	18:01	
60917-5	Mn	0.37543	0.32475	0.42611	19.09046	ug/L	09/18/10	18:01	
60917-5	Mo	14.12097	14.25048	13.99146	1.29701	ug/L	09/18/10	18:01	
60917-5	Na	24839.89062	24610.66796	25069.11523	1.30504	ug/L	09/18/10	18:01	
60917-5	Ni	1.06552	0.33913	1.79190	96.40956	ug/L	09/18/10	18:01	
60917-5	Pb	0.14857	0.04549	0.25165	98.11911	ug/L	09/18/10	18:01	
60917-5	Se	3.30878	1.79096	4.82660	64.87339	ug/L	09/18/10	18:01	
60917-5	Sb	-0.62492	-2.55414	1.30429	436.58621	ug/L	09/18/10	18:01	
60917-5	Sn	-1.65553	-0.70865	-2.60240	80.88532	ug/L	09/18/10	18:01	
60917-5	Sr	408.17944	408.44958	407.90930	0.09359	ug/L	09/18/10	18:01	
60917-5	Ti	0.54245	0.58359	0.50131	10.72555	ug/L	09/18/10	18:01	
60917-5	Tl	1.31672	3.14215	-0.50871	196.05902	ug/L	09/18/10	18:01	
60917-5	V	-0.78713	-1.05821	-0.51604	48.70477	ug/L	09/18/10	18:01	
60917-5	Zn	3.64526	3.61518	3.67535	1.16721	ug/L	09/18/10	18:01	
60917-5	2203/1	-1.76085	-2.14539	-1.37631	30.88422	ug/L	09/18/10	18:01	
60917-5	2203/2	1.10186	1.13929	1.06442	4.80487	ug/L	09/18/10	18:01	
60917-5	1960/1	-2.13698	-5.58260	1.30863	228.02420	ug/L	09/18/10	18:01	
60917-5	1960/2	6.02745	5.47222	6.58268	13.02732	ug/L	09/18/10	18:01	
60917-5	Y	1011.71966	1012.55773	1010.88159	0.11714		09/18/10	18:01	
60917-5S	Ag	51.99387	52.08015	51.90759	0.23467	ug/L	09/18/10	18:06	
60917-5S	Al	2036.62487	2041.72460	2031.52514	0.35412	ug/L	09/18/10	18:06	
60917-5S	2Al	2.03662	2.04172	2.03152	0.35414	mg/L	09/18/10	18:06	
60917-5S	As	2175.24633	2179.27050	2171.22216	0.26162	ug/L	09/18/10	18:06	
60917-5S	B	1357.31396	1359.57458	1355.05346	0.23553	ug/L	09/18/10	18:06	
60917-5S	Ba	2174.06445	2178.79467	2169.33398	0.30770	ug/L	09/18/10	18:06	
60917-5S	Be	54.52597	54.61678	54.43516	0.23553	ug/L	09/18/10	18:06	
60917-5S	Ca	96210.97656	96339.49218	96082.46093	0.18890	ug/L	09/18/10	18:06	
60917-5S	Cd	54.75780	54.55078	54.96482	0.53466	ug/L	09/18/10	18:06	
60917-5S	Co	528.82482	528.91058	528.73901	0.02294	ug/L	09/18/10	18:06	
60917-5S	Cr	215.96080	215.91249	216.00910	0.03163	ug/L	09/18/10	18:06	
60917-5S	Cu	259.68750	260.03430	259.34066	0.18887	ug/L	09/18/10	18:06	
60917-5S	Fe	1050.29223	1052.68859	1047.89587	0.32266	ug/L	09/18/10	18:06	
60917-5S	2Fe	1.05043	1.05283	1.04804	0.32259	mg/L	09/18/10	18:06	
60917-5S	K	11586.42089	11592.21093	11580.63085	0.07067	ug/L	09/18/10	18:06	
60917-5S	Mg	22451.34765	22461.56835	22441.12890	0.06437	ug/L	09/18/10	18:06	
60917-5S	2Mg	22.44507	22.45528	22.43485	0.06438	mg/L	09/18/10	18:06	
60917-5S	Mn	536.10351	537.01318	535.19390	0.23995	ug/L	09/18/10	18:06	
60917-5S	Mo	567.15130	567.56707	566.73553	0.10367	ug/L	09/18/10	18:06	
60917-5S	Na	30787.02734	30619.85742	30954.19726	0.76790	ug/L	09/18/10	18:06	
60917-5S	Ni	532.43347	532.46234	532.40454	0.00767	ug/L	09/18/10	18:06	
60917-5S	Pb	533.19177	533.23199	533.15148	0.01067	ug/L	09/18/10	18:06	
60917-5S	Se	2220.53417	2224.14233	2216.92578	0.22980	ug/L	09/18/10	18:06	
60917-5S	Sb	526.99255	526.60083	527.38433	0.10512	ug/L	09/18/10	18:06	
60917-5S	Sn	1079.13586	1077.06970	1081.20202	0.27077	ug/L	09/18/10	18:06	
60917-5S	Sr	964.73681	967.47808	961.99554	0.40184	ug/L	09/18/10	18:06	
60917-5S	Ti	737.96374	739.55596	736.37145	0.30513	ug/L	09/18/10	18:06	
60917-5S	Tl	2261.17480	2256.54248	2265.80737	0.28972	ug/L	09/18/10	18:06	
60917-5S	V	517.66009	517.51306	517.80712	0.04016	ug/L	09/18/10	18:06	
60917-5S	Zn	537.19293	538.17285	536.21301	0.25797	ug/L	09/18/10	18:06	
60917-5S	2203/1	519.11273	519.36285	518.86260	0.06814	ug/L	09/18/10	18:06	
60917-5S	2203/2	540.22070	540.15612	540.28521	0.01689	ug/L	09/18/10	18:06	
60917-5S	1960/1	2145.49365	2143.47192	2147.51538	0.13326	ug/L	09/18/10	18:06	
60917-5S	1960/2	2257.99707	2264.41601	2251.57788	0.40203	ug/L	09/18/10	18:06	
60917-5S	Y	1011.51892	1011.65856	1011.37921	0.01952		09/18/10	18:06	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60917-5SD	Ag	52.11681	51.74561	52.48801	1.00727	ug/L	09/18/10	18:12	
60917-5SD	Al	2021.12475	2023.37695	2018.87255	0.15758	ug/L	09/18/10	18:12	
60917-5SD	2Al	2.02122	2.02337	2.01906	0.15073	mg/L	09/18/10	18:12	
60917-5SD	As	2160.22265	2163.79028	2156.65478	0.23356	ug/L	09/18/10	18:12	
60917-5SD	B	1341.86901	1343.69140	1340.04663	0.19206	ug/L	09/18/10	18:12	
60917-5SD	Ba	2155.57958	2158.50292	2152.65649	0.19178	ug/L	09/18/10	18:12	
60917-5SD	Be	53.89477	53.96467	53.82487	0.18342	ug/L	09/18/10	18:12	
60917-5SD	Ca	94516.67187	94543.34375	94489.99218	0.03991	ug/L	09/18/10	18:12	
60917-5SD	Cd	54.55335	54.33276	54.77395	0.57186	ug/L	09/18/10	18:12	
60917-5SD	Co	523.87268	524.72351	523.02191	0.22967	ug/L	09/18/10	18:12	
60917-5SD	Cr	213.50807	213.44084	213.57530	0.04453	ug/L	09/18/10	18:12	
60917-5SD	Cu	256.87988	256.96551	256.79425	0.04714	ug/L	09/18/10	18:12	
60917-5SD	Fe	1019.61895	1014.03662	1025.20129	0.77427	ug/L	09/18/10	18:12	
60917-5SD	2Fe	1.01976	1.01418	1.02534	0.77406	mg/L	09/18/10	18:12	
60917-5SD	K	11531.75195	11545.77734	11517.72753	0.17199	ug/L	09/18/10	18:12	
60917-5SD	Mg	22078.59960	22092.36328	22064.83593	0.08816	ug/L	09/18/10	18:12	
60917-5SD	2Mg	22.07243	22.08619	22.05867	0.08817	mg/L	09/18/10	18:12	
60917-5SD	Mn	530.81640	531.06140	530.57141	0.06527	ug/L	09/18/10	18:12	
60917-5SD	Mo	562.93615	561.33508	564.53717	0.40221	ug/L	09/18/10	18:12	
60917-5SD	Na	30156.34765	30003.01757	30309.67968	0.71906	ug/L	09/18/10	18:12	
60917-5SD	Ni	528.06024	528.68347	527.43701	0.16690	ug/L	09/18/10	18:12	
60917-5SD	Pb	526.12243	527.72546	524.51940	0.43089	ug/L	09/18/10	18:12	
60917-5SD	Se	2194.32128	2195.73022	2192.91210	0.09081	ug/L	09/18/10	18:12	
60917-5SD	Sb	525.62060	522.88714	528.35412	0.73546	ug/L	09/18/10	18:12	
60917-5SD	Sn	1068.87817	1063.88928	1073.86706	0.66007	ug/L	09/18/10	18:12	
60917-5SD	Sr	953.57287	954.68902	952.45672	0.16553	ug/L	09/18/10	18:12	
60917-5SD	Ti	730.38049	730.47222	730.28869	0.01776	ug/L	09/18/10	18:12	
60917-5SD	Tl	2242.16406	2247.79663	2236.53173	0.35525	ug/L	09/18/10	18:12	
60917-5SD	V	513.68914	514.02655	513.35174	0.09288	ug/L	09/18/10	18:12	
60917-5SD	Zn	532.01702	531.61456	532.41949	0.10698	ug/L	09/18/10	18:12	
60917-5SD	2203/1	515.66662	517.64636	513.68695	0.54293	ug/L	09/18/10	18:12	
60917-5SD	2203/2	531.34252	532.75750	529.92749	0.37661	ug/L	09/18/10	18:12	
60917-5SD	1960/1	2122.46337	2121.57031	2123.35644	0.05950	ug/L	09/18/10	18:12	
60917-5SD	1960/2	2230.19531	2232.75366	2227.63696	0.16223	ug/L	09/18/10	18:12	
60917-5SD	Y	1012.30895	1012.71490	1011.90301	0.05671		09/18/10	18:12	
61093-1	Ag	0.09461	-0.07121	0.26044	247.87228	ug/L	09/18/10	18:17	
61093-1	Al	75.41209	75.01319	75.81098	0.74805	ug/L	09/18/10	18:17	
61093-1	2Al	0.07541	0.07502	0.07581	0.74805	mg/L	09/18/10	18:17	
61093-1	As	-1.90104	-2.63645	-1.16564	54.70755	ug/L	09/18/10	18:17	
61093-1	B	72.39292	73.59951	71.18634	2.35710	ug/L	09/18/10	18:17	
61093-1	Ba	24.24632	24.18408	24.30857	0.36305	ug/L	09/18/10	18:17	
61093-1	Be	-0.02579	-0.02250	-0.02908	18.01932	ug/L	09/18/10	18:17	
61093-1	Ca	63348.18750	63339.44531	63356.92968	0.01951	ug/L	09/18/10	18:17	
61093-1	Cd	-0.37070	-0.28806	-0.45333	31.52578	ug/L	09/18/10	18:17	
61093-1	Co	-0.04003	0.49088	-0.57095	1875.47473	ug/L	09/18/10	18:17	
61093-1	Cr	0.11517	0.24614	-0.01579	160.81561	ug/L	09/18/10	18:17	
61093-1	Cu	0.57308	0.62956	0.51661	13.93663	ug/L	09/18/10	18:17	
61093-1	Fe	17.10071	22.76715	11.43428	46.86090	ug/L	09/18/10	18:17	
61093-1	2Fe	0.01709	0.02276	0.01143	46.86228	mg/L	09/18/10	18:17	
61093-1	K	2825.69091	2830.18652	2821.19531	0.22499	ug/L	09/18/10	18:17	
61093-1	Mg	27923.84765	27922.57226	27925.12109	0.00645	ug/L	09/18/10	18:17	
61093-1	2Mg	27.91596	27.91468	27.91723	0.00645	mg/L	09/18/10	18:17	
61093-1	Mn	3.03680	2.99840	3.07520	1.78834	ug/L	09/18/10	18:17	
61093-1	Mo	63.86518	65.17866	62.55171	2.90852	ug/L	09/18/10	18:17	
61093-1	Na	11790.52929	11674.39453	11906.66308	1.39297	ug/L	09/18/10	18:17	
61093-1	Ni	15.99875	15.86740	16.13011	1.16110	ug/L	09/18/10	18:17	
61093-1	Pb	0.45729	0.42715	0.48744	9.32135	ug/L	09/18/10	18:17	
61093-1	Se	2.75873	1.59811	3.91935	59.49710	ug/L	09/18/10	18:17	
61093-1	Sb	3.05910	5.13634	0.98187	96.02973	ug/L	09/18/10	18:17	
61093-1	Sn	-0.77580	-1.32566	-0.22593	100.23543	ug/L	09/18/10	18:17	
61093-1	Sr	76.03831	76.09130	75.98532	0.09855	ug/L	09/18/10	18:17	
61093-1	Ti	0.24764	0.23675	0.25854	6.22202	ug/L	09/18/10	18:17	
61093-1	Tl	2.92230	-1.16469	7.00930	197.78524	ug/L	09/18/10	18:17	
61093-1	V	-0.23662	-0.41195	-0.06130	104.78385	ug/L	09/18/10	18:17	
61093-1	Zn	0.96038	0.87880	1.04196	12.01265	ug/L	09/18/10	18:17	
61093-1	2203/1	-1.15062	0.54828	-2.84953	208.80947	ug/L	09/18/10	18:17	
61093-1	2203/2	1.26005	0.36668	2.15342	100.26666	ug/L	09/18/10	18:17	
61093-1	1960/1	-0.74105	-0.74371	-0.73838	0.50871	ug/L	09/18/10	18:17	
61093-1	1960/2	4.50600	2.76727	6.24473	54.57027	ug/L	09/18/10	18:17	
61093-1	Y	997.30212	996.91363	997.69055	0.05508		09/18/10	18:17	

46

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61093-1L	Ag	0.12326	0.36516	-0.11863	277.53991	ug/L	09/18/10	18:22	
61093-1L	Al	40.90443	42.15777	39.65109	4.33325	ug/L	09/18/10	18:22	
61093-1L	2Al	0.04090	0.04216	0.03965	4.33321	mg/L	09/18/10	18:22	
61093-1L	As	0.52192	-0.01869	1.06254	146.48616	ug/L	09/18/10	18:22	
61093-1L	B	16.92423	17.09547	16.75299	1.43088	ug/L	09/18/10	18:22	
61093-1L	Ba	4.78712	4.84047	4.73377	1.57600	ug/L	09/18/10	18:22	
61093-1L	Be	-0.03351	-0.05948	-0.00754	109.59104	ug/L	09/18/10	18:22	
61093-1L	Ca	12654.68554	12930.48925	12378.88183	3.08222	ug/L	09/18/10	18:22	
61093-1L	Cd	-0.33729	-0.39194	-0.28264	22.91402	ug/L	09/18/10	18:22	
61093-1L	Co	0.12159	0.04971	0.19347	83.60123	ug/L	09/18/10	18:22	
61093-1L	Cr	-0.40874	-0.42827	-0.38920	6.75882	ug/L	09/18/10	18:22	
61093-1L	Cu	-0.80020	-0.58282	-1.01758	38.41788	ug/L	09/18/10	18:22	
61093-1L	Fe	-0.88453	9.58727	-11.35635	1674.24694	ug/L	09/18/10	18:22	
61093-1L	2Fe	-0.00088	0.00958	-0.01135	1674.34936	mg/L	09/18/10	18:22	
61093-1L	K	532.26055	552.11932	512.40179	5.27646	ug/L	09/18/10	18:22	
61093-1L	Mg	5642.30273	5764.52587	5520.07958	3.06345	ug/L	09/18/10	18:22	
61093-1L	2Mg	5.64071	5.76289	5.51852	3.06341	mg/L	09/18/10	18:22	
61093-1L	Mn	0.59996	0.58692	0.61299	3.07237	ug/L	09/18/10	18:22	
61093-1L	Mo	12.42519	11.84106	13.00931	6.64839	ug/L	09/18/10	18:22	
61093-1L	Na	1917.10900	1772.91650	2061.30151	10.63679	ug/L	09/18/10	18:22	
61093-1L	Ni	3.36011	3.92922	2.79101	23.95263	ug/L	09/18/10	18:22	
61093-1L	Pb	0.47928	-1.64420	2.60277	626.57189	ug/L	09/18/10	18:22	
61093-1L	Se	1.80236	1.88309	1.72162	6.33461	ug/L	09/18/10	18:22	
61093-1L	Sb	0.42617	0.54980	0.30253	41.02674	ug/L	09/18/10	18:22	
61093-1L	Sn	-1.80127	-0.69713	-2.90541	86.68792	ug/L	09/18/10	18:22	
61093-1L	Sr	15.20573	15.55980	14.85166	3.29304	ug/L	09/18/10	18:22	
61093-1L	Ti	0.16561	0.14069	0.19053	21.28034	ug/L	09/18/10	18:22	
61093-1L	Tl	3.28205	2.84548	3.71861	18.81142	ug/L	09/18/10	18:22	
61093-1L	V	0.10069	0.40777	-0.20639	431.30786	ug/L	09/18/10	18:22	
61093-1L	Zn	0.33538	0.50939	0.16137	73.37513	ug/L	09/18/10	18:22	
61093-1L	2203/1	1.91393	0.69181	3.13606	90.30319	ug/L	09/18/10	18:22	
61093-1L	2203/2	-0.23696	-2.81046	2.33653	1535.87255	ug/L	09/18/10	18:22	
61093-1L	1960/1	2.04003	8.14900	-4.06893	423.49295	ug/L	09/18/10	18:22	
61093-1L	1960/2	1.68370	-1.24516	4.61257	246.00762	ug/L	09/18/10	18:22	
61093-1L	Y	991.00775	977.17504	1004.84045	1.97399		09/18/10	18:22	
61093-1A	Ag	46.93365	46.86659	47.00070	0.20205	ug/L	09/18/10	18:27	
61093-1A	Al	1872.00927	1848.96606	1895.05261	1.74080	ug/L	09/18/10	18:27	
61093-1A	2Al	1.87208	1.84914	1.89503	1.73326	mg/L	09/18/10	18:27	
61093-1A	As	1953.15625	1928.73132	1977.58117	1.76852	ug/L	09/18/10	18:27	
61093-1A	B	1100.79272	1084.57507	1117.01037	2.08351	ug/L	09/18/10	18:27	
61093-1A	Ba	1941.13598	1916.79370	1965.47827	1.77345	ug/L	09/18/10	18:27	
61093-1A	Be	48.54526	47.94962	49.14090	1.73521	ug/L	09/18/10	18:27	
61093-1A	Ca	67575.62500	66713.83593	68437.42187	1.80354	ug/L	09/18/10	18:27	
61093-1A	Cd	48.84883	48.49871	49.19896	1.01364	ug/L	09/18/10	18:27	
61093-1A	Co	467.21777	461.65542	472.78012	1.68365	ug/L	09/18/10	18:27	
61093-1A	Cr	193.81365	191.28961	196.33769	1.84173	ug/L	09/18/10	18:27	
61093-1A	Cu	229.36946	226.82873	231.91018	1.56652	ug/L	09/18/10	18:27	
61093-1A	Fe	954.64196	941.90716	967.37677	1.88654	ug/L	09/18/10	18:27	
61093-1A	2Fe	0.95476	0.94203	0.96750	1.88650	mg/L	09/18/10	18:27	
61093-1A	K	8245.17285	8148.43115	8341.91503	1.65931	ug/L	09/18/10	18:27	
61093-1A	Mg	32776.73437	32359.92187	33193.54687	1.79841	ug/L	09/18/10	18:27	
61093-1A	2Mg	32.76616	32.35084	33.18149	1.79258	mg/L	09/18/10	18:27	
61093-1A	Mn	484.92568	478.87048	490.98089	1.76591	ug/L	09/18/10	18:27	
61093-1A	Mo	578.77984	570.09802	587.46166	2.12135	ug/L	09/18/10	18:27	
61093-1A	Na	16597.92187	16512.20507	16683.63867	0.73034	ug/L	09/18/10	18:27	
61093-1A	Ni	489.30572	482.68737	495.92407	1.91286	ug/L	09/18/10	18:27	
61093-1A	Pb	474.33520	473.11599	475.55444	0.36350	ug/L	09/18/10	18:27	
61093-1A	Se	1978.52160	1970.30187	1986.74133	0.58753	ug/L	09/18/10	18:27	
61093-1A	Sb	460.51898	456.27816	464.75976	1.30231	ug/L	09/18/10	18:27	
61093-1A	Sn	1050.34179	1039.66748	1061.01611	1.43722	ug/L	09/18/10	18:27	
61093-1A	Sr	613.91021	607.16931	620.65112	1.55284	ug/L	09/18/10	18:27	
61093-1A	Ti	1006.75042	994.45269	1019.04815	1.72750	ug/L	09/18/10	18:27	
61093-1A	Tl	2022.18762	1993.81958	2050.55566	1.98391	ug/L	09/18/10	18:27	
61093-1A	V	464.30511	459.24429	469.36596	1.54146	ug/L	09/18/10	18:27	
61093-1A	Zn	477.42095	471.06619	483.77572	1.88240	ug/L	09/18/10	18:27	
61093-1A	2203/1	464.16589	465.71945	462.61230	0.47334	ug/L	09/18/10	18:27	
61093-1A	2203/2	479.41226	476.80871	482.01580	0.76801	ug/L	09/18/10	18:27	
61093-1A	1960/1	1901.15380	1909.29797	1893.00964	0.60582	ug/L	09/18/10	18:27	
61093-1A	1960/2	2017.14672	2000.75732	2033.53601	1.14905	ug/L	09/18/10	18:27	
61093-1A	Y	991.20422	1000.15246	982.25592	1.27670		09/18/10	18:27	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	488.75592	489.57534	487.93652	0.23709	ug/L	09/18/10	18:32	
CCV	Al	4757.39550	4758.29931	4756.49121	0.02687	ug/L	09/18/10	18:32	
CCV	2Al	4.75742	4.75832	4.75652	0.02686	mg/L	09/18/10	18:32	
CCV	As	497.13720	495.87252	498.40185	0.35976	ug/L	09/18/10	18:32	
CCV	B	5006.65478	5006.07617	5007.23339	0.01634	ug/L	09/18/10	18:32	
CCV	Ba	4953.72363	4960.75488	4946.69189	0.20073	ug/L	09/18/10	18:32	
CCV	Be	504.31311	504.02752	504.59866	0.08008	ug/L	09/18/10	18:32	
CCV	Ca	4914.14550	4920.06054	4908.22998	0.17023	ug/L	09/18/10	18:32	
CCV	Cd	515.82312	516.42016	515.22607	0.16368	ug/L	09/18/10	18:32	
CCV	Co	493.63058	495.20004	492.06112	0.44963	ug/L	09/18/10	18:32	
CCV	Cr	5019.86376	5026.34912	5013.37841	0.18270	ug/L	09/18/10	18:32	
CCV	Cu	4852.74511	4862.89746	4842.59228	0.29587	ug/L	09/18/10	18:32	
CCV	Fe	4903.40039	4917.34521	4889.45556	0.40218	ug/L	09/18/10	18:32	
CCV	2Fe	4.90365	4.91760	4.88970	0.40219	mg/L	09/18/10	18:32	
CCV	K	9709.42187	9750.15136	9668.69335	0.59323	ug/L	09/18/10	18:32	
CCV	Mg	4964.89746	4972.86865	4956.92675	0.22704	ug/L	09/18/10	18:32	
CCV	2Mg	4.96491	4.97288	4.95694	0.22698	mg/L	09/18/10	18:32	
CCV	Mn	4978.74365	4984.38134	4973.10595	0.16013	ug/L	09/18/10	18:32	
CCV	Mo	514.15051	514.16540	514.13562	0.00409	ug/L	09/18/10	18:32	
CCV	Na	7302.25292	7381.76611	7222.73925	1.53992	ug/L	09/18/10	18:32	
CCV	Ni	2516.36987	2518.78955	2513.95019	0.13598	ug/L	09/18/10	18:32	
CCV	Pb	508.72311	509.86911	507.57711	0.31857	ug/L	09/18/10	18:32	
CCV	Se	5121.74023	5124.31835	5119.16210	0.07118	ug/L	09/18/10	18:32	
CCV	Sb	497.43875	499.21218	495.66531	0.50418	ug/L	09/18/10	18:32	
CCV	Sn	5038.04345	5045.11279	5030.97412	0.19844	ug/L	09/18/10	18:32	
CCV	Sr	2588.13623	2590.82080	2585.45141	0.14669	ug/L	09/18/10	18:32	
CCV	Ti	495.13919	495.94058	494.33779	0.22889	ug/L	09/18/10	18:32	
CCV	Tl	5159.62353	5164.09277	5155.15429	0.12249	ug/L	09/18/10	18:32	
CCV	V	4880.79003	4891.28662	4870.29394	0.30413	ug/L	09/18/10	18:32	
CCV	Zn	2499.24169	2502.17626	2496.30712	0.16605	ug/L	09/18/10	18:32	
CCV	2203/1	500.07135	502.69549	497.44717	0.74211	ug/L	09/18/10	18:32	
CCV	2203/2	513.03833	513.44635	512.63031	0.11247	ug/L	09/18/10	18:32	
CCV	1960/1	4938.34960	4938.11181	4938.58789	0.00681	ug/L	09/18/10	18:32	
CCV	1960/2	5213.29785	5217.28173	5209.31347	0.10807	ug/L	09/18/10	18:32	
CCV	Y	999.62866	999.11358	1000.14367	0.07286		09/18/10	18:32	
CCB	Ag	1.06455	1.06509	1.06402	0.07143	ug/L	09/18/10	18:37	
CCB	Al	26.75881	27.05462	26.46300	1.56336	ug/L	09/18/10	18:37	
CCB	2Al	0.02676	0.02705	0.02646	1.56336	mg/L	09/18/10	18:37	
CCB	As	-4.91012	-6.78079	-3.03944	53.87918	ug/L	09/18/10	18:37	
CCB	B	19.57840	22.38818	16.76862	20.29597	ug/L	09/18/10	18:37	
CCB	Ba	0.46119	-0.07858	1.00097	165.51922	ug/L	09/18/10	18:37	
CCB	Be	0.03261	-0.01909	0.08432	224.20051	ug/L	09/18/10	18:37	
CCB	Ca	-2.22234	-3.49757	-0.94710	81.15096	ug/L	09/18/10	18:37	
CCB	Cd	-0.23881	-0.20391	-0.27370	20.66388	ug/L	09/18/10	18:37	
CCB	Co	0.12894	-0.15986	0.41775	316.74877	ug/L	09/18/10	18:37	
CCB	Cr	0.80490	0.84267	0.76714	6.63533	ug/L	09/18/10	18:37	
CCB	Cu	-0.98778	-1.14340	-0.83216	22.27960	ug/L	09/18/10	18:37	
CCB	Fe	7.75301	15.53274	-0.02670	141.90844	ug/L	09/18/10	18:37	
CCB	2Fe	0.00775	0.01553	-0.00002	141.90487	mg/L	09/18/10	18:37	
CCB	K	-14.83170	-7.89211	-21.77130	66.16953	ug/L	09/18/10	18:37	
CCB	Mg	-1.36148	1.33071	-4.05367	279.64620	ug/L	09/18/10	18:37	
CCB	2Mg	-0.00136	0.00132	-0.00405	279.24966	mg/L	09/18/10	18:37	
CCB	Mn	0.54968	-0.00478	1.10415	142.65155	ug/L	09/18/10	18:37	
CCB	Mo	0.00603	-0.20842	0.22049	5028.16650	ug/L	09/18/10	18:37	
CCB	Na	-201.96533	-277.33868	-126.59199	52.77836	ug/L	09/18/10	18:37	
CCB	Ni	-0.41733	-0.93673	0.10207	176.01182	ug/L	09/18/10	18:37	
CCB	Pb	0.96136	0.98365	0.93907	3.27902	ug/L	09/18/10	18:37	
CCB	Se	3.27535	-1.34804	7.89876	199.62655	ug/L	09/18/10	18:37	
CCB	Sb	-2.15381	-2.10649	-2.20113	3.10727	ug/L	09/18/10	18:37	
CCB	Sn	0.56603	1.15879	-0.02673	148.10025	ug/L	09/18/10	18:37	
CCB	Sr	0.30981	0.10682	0.51280	92.65686	ug/L	09/18/10	18:37	
CCB	Ti	0.20478	0.15206	0.25751	36.41138	ug/L	09/18/10	18:37	
CCB	Tl	2.46333	1.88166	3.04499	33.39358	ug/L	09/18/10	18:37	
CCB	V	0.27673	-0.09631	0.64978	190.64085	ug/L	09/18/10	18:37	
CCB	Zn	3.36784	2.90425	3.83144	19.46714	ug/L	09/18/10	18:37	
CCB	2203/1	3.03920	2.72806	3.35033	14.47795	ug/L	09/18/10	18:37	
CCB	2203/2	-0.07599	0.11275	-0.26474	351.25683	ug/L	09/18/10	18:37	
CCB	1960/1	2.90618	-4.17662	9.98898	344.66531	ug/L	09/18/10	18:37	
CCB	1960/2	3.45966	0.06412	6.85521	138.80030	ug/L	09/18/10	18:37	
CCB	Y	998.90405	998.45007	999.35803	0.06427		09/18/10	18:37	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 179840	Ag	0.85223	0.59119	1.11327	43.31706	ug/L	09/18/10	18:43	
PBW 179840	Al	27.25011	25.74553	28.75469	7.80840	ug/L	09/18/10	18:43	
PBW 179840	2Al	0.02725	0.02574	0.02875	7.80840	mg/L	09/18/10	18:43	
PBW 179840	As	-3.58955	-5.54291	-1.63619	76.95860	ug/L	09/18/10	18:43	
PBW 179840	B	8.04202	7.75766	8.32638	5.00047	ug/L	09/18/10	18:43	
PBW 179840	Ba	-0.06546	-0.23464	0.10371	365.45007	ug/L	09/18/10	18:43	
PBW 179840	Be	-0.01916	-0.05307	0.01475	250.29571	ug/L	09/18/10	18:43	
PBW 179840	Ca	11.25931	10.96721	11.55140	3.66887	ug/L	09/18/10	18:43	
PBW 179840	Cd	-0.05441	0.02321	-0.13204	201.75953	ug/L	09/18/10	18:43	
PBW 179840	Co	0.15280	0.03985	0.26575	104.53834	ug/L	09/18/10	18:43	
PBW 179840	Cr	-0.42651	-0.53862	-0.31440	37.17294	ug/L	09/18/10	18:43	
PBW 179840	Cu	-1.76148	-1.92502	-1.59794	13.12980	ug/L	09/18/10	18:43	
PBW 179840	Fe	0.51867	-4.14611	5.18345	1271.90185	ug/L	09/18/10	18:43	
PBW 179840	2Fe	0.00051	-0.00414	0.00518	1271.62219	mg/L	09/18/10	18:43	
PBW 179840	K	8.11013	-10.30718	26.52745	321.15420	ug/L	09/18/10	18:43	
PBW 179840	Mg	-5.41548	-6.76070	-4.07026	35.12945	ug/L	09/18/10	18:43	
PBW 179840	2Mg	-0.00541	-0.00675	-0.00407	35.10697	mg/L	09/18/10	18:43	
PBW 179840	Mn	-0.05562	-0.02741	-0.08383	71.71430	ug/L	09/18/10	18:43	
PBW 179840	Mo	-0.88796	-0.63707	-1.13885	39.95821	ug/L	09/18/10	18:43	
PBW 179840	Na	-179.25410	-171.69100	-186.81719	5.96685	ug/L	09/18/10	18:43	
PBW 179840	Ni	0.11067	-0.90310	1.12445	1295.42553	ug/L	09/18/10	18:43	
PBW 179840	Pb	1.76641	2.26742	1.26539	40.11200	ug/L	09/18/10	18:43	
PBW 179840	Se	3.57025	5.89479	1.24571	92.07741	ug/L	09/18/10	18:43	
PBW 179840	Sb	-1.39317	-5.90846	3.12211	458.34695	ug/L	09/18/10	18:43	
PBW 179840	Sn	0.85368	0.17189	1.53548	112.94506	ug/L	09/18/10	18:43	
PBW 179840	Sr	-0.03312	-0.01314	-0.05309	85.29319	ug/L	09/18/10	18:43	
PBW 179840	Ti	0.02581	0.15236	-0.10074	693.42694	ug/L	09/18/10	18:43	
PBW 179840	Tl	4.33160	9.87087	-1.20766	180.85026	ug/L	09/18/10	18:43	
PBW 179840	V	0.72093	0.04462	1.39723	132.66687	ug/L	09/18/10	18:43	
PBW 179840	Zn	1.06794	0.87525	1.26063	25.51626	ug/L	09/18/10	18:43	
PBW 179840	2203/1	3.57732	4.24868	2.90596	26.54083	ug/L	09/18/10	18:43	
PBW 179840	2203/2	0.86231	1.27828	0.44634	68.21997	ug/L	09/18/10	18:43	
PBW 179840	1960/1	5.32875	5.91226	4.74524	15.48590	ug/L	09/18/10	18:43	
PBW 179840	1960/2	2.69231	5.88607	-0.50143	167.76046	ug/L	09/18/10	18:43	
PBW 179840	Y	998.39770	999.01751	997.77789	0.08779		09/18/10	18:43	
LCSW-1	Ag	48.84392	49.20024	48.48760	1.03167	ug/L	09/18/10	18:48	
LCSW-1	Al	1885.66259	1883.84509	1887.48022	0.13631	ug/L	09/18/10	18:48	
LCSW-1	2Al	1.88584	1.88402	1.88766	0.13631	mg/L	09/18/10	18:48	
LCSW-1	As	1992.65185	1999.00512	1986.29858	0.45090	ug/L	09/18/10	18:48	
LCSW-1	B	1017.25061	1018.20672	1016.29449	0.13292	ug/L	09/18/10	18:48	
LCSW-1	Ba	1987.64550	1988.58239	1986.70849	0.06666	ug/L	09/18/10	18:48	
LCSW-1	Be	49.82331	49.79663	49.85000	0.07574	ug/L	09/18/10	18:48	
LCSW-1	Ca	4891.08935	4897.02636	4885.15234	0.17166	ug/L	09/18/10	18:48	
LCSW-1	Cd	52.15911	52.34318	51.97502	0.49910	ug/L	09/18/10	18:48	
LCSW-1	Co	495.77716	496.46041	495.09393	0.19489	ug/L	09/18/10	18:48	
LCSW-1	Cr	201.58540	201.30068	201.87011	0.19973	ug/L	09/18/10	18:48	
LCSW-1	Cu	240.42544	240.45875	240.39212	0.01959	ug/L	09/18/10	18:48	
LCSW-1	Fe	954.20538	942.91949	965.49127	1.67266	ug/L	09/18/10	18:48	
LCSW-1	2Fe	0.95434	0.94305	0.96562	1.67227	mg/L	09/18/10	18:48	
LCSW-1	K	4873.55468	4852.16601	4894.94287	0.62065	ug/L	09/18/10	18:48	
LCSW-1	Mg	4955.75048	4965.37890	4946.12207	0.27476	ug/L	09/18/10	18:48	
LCSW-1	2Mg	4.95441	4.96403	4.94478	0.27481	mg/L	09/18/10	18:48	
LCSW-1	Mn	497.89843	498.23379	497.56304	0.09525	ug/L	09/18/10	18:48	
LCSW-1	Mo	515.72412	515.08050	516.36767	0.17648	ug/L	09/18/10	18:48	
LCSW-1	Na	4702.81494	4479.34619	4926.28369	6.72007	ug/L	09/18/10	18:48	
LCSW-1	Ni	499.76303	501.35580	498.17025	0.45071	ug/L	09/18/10	18:48	
LCSW-1	Pb	504.05798	502.39419	505.72174	0.46679	ug/L	09/18/10	18:48	
LCSW-1	Se	2043.45874	2037.91333	2049.00415	0.38378	ug/L	09/18/10	18:48	
LCSW-1	Sb	477.16357	476.66821	477.65890	0.14681	ug/L	09/18/10	18:48	
LCSW-1	Sn	1007.03863	1005.96667	1008.11059	0.15053	ug/L	09/18/10	18:48	
LCSW-1	Sr	522.72082	523.14227	522.29937	0.11402	ug/L	09/18/10	18:48	
LCSW-1	Ti	688.14514	687.75140	688.53887	0.08091	ug/L	09/18/10	18:48	
LCSW-1	Tl	2130.19360	2126.94946	2133.43774	0.21537	ug/L	09/18/10	18:48	
LCSW-1	V	481.89715	481.45321	482.34109	0.13028	ug/L	09/18/10	18:48	
LCSW-1	Zn	503.50308	503.32308	503.68307	0.05055	ug/L	09/18/10	18:48	
LCSW-1	2203/1	494.14849	489.32788	498.96908	1.37961	ug/L	09/18/10	18:48	
LCSW-1	2203/2	509.00531	508.91757	509.09301	0.02437	ug/L	09/18/10	18:48	
LCSW-1	1960/1	1975.85766	1977.25769	1974.45776	0.10020	ug/L	09/18/10	18:48	
LCSW-1	1960/2	2077.20800	2068.19506	2086.22070	0.61361	ug/L	09/18/10	18:48	
LCSW-1	Y	994.50415	996.92236	992.08593	0.34387		09/18/10	18:48	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61032-1	Ag	-1.84677	-3.42257	-0.27098	120.67028	ug/L	09/18/10	18:53	
61032-1	Al	2128.76000	2132.58422	2124.93579	0.25405	ug/L	09/18/10	18:53	
61032-1	2Al	2.12896	2.13279	2.12514	0.25405	mg/L	09/18/10	18:53	
61032-1	As	-1.79153	-1.35196	-2.23111	34.69944	ug/L	09/18/10	18:53	
61032-1	B	47.27059	48.23160	46.30958	2.87510	ug/L	09/18/10	18:53	
61032-1	Ba	1.49888	0.98977	2.00798	48.03450	ug/L	09/18/10	18:53	
61032-1	Be	-0.08129	-0.13321	-0.02938	90.31232	ug/L	09/18/10	18:53	
61032-1	Ca	7720.17382	7722.81152	7717.53613	0.04831	ug/L	09/18/10	18:53	
61032-1	Cd	-0.22645	-0.53690	0.08399	193.87959	ug/L	09/18/10	18:53	
61032-1	Co	-0.21826	-0.12721	-0.30930	58.99083	ug/L	09/18/10	18:53	
61032-1	Cr	0.93011	1.21065	0.64957	42.65570	ug/L	09/18/10	18:53	
61032-1	Cu	1.03227	1.56828	0.49626	73.43323	ug/L	09/18/10	18:53	
61032-1	Fe	0.78672	-25.36425	26.93769	4700.91015	ug/L	09/18/10	18:53	
61032-1	2Fe	0.00078	-0.02536	0.02693	4701.18212	mg/L	09/18/10	18:53	
61032-1	K	28342.85937	28316.57421	28369.14257	0.13114	ug/L	09/18/10	18:53	
61032-1	Mg	2118.56347	2121.02954	2116.09765	0.16461	ug/L	09/18/10	18:53	
61032-1	2Mg	2.11796	2.12043	2.11549	0.16491	mg/L	09/18/10	18:53	
61032-1	Mn	3.82452	3.88083	3.76822	2.08209	ug/L	09/18/10	18:53	
61032-1	Mo	59.42540	58.11135	60.73945	3.12719	ug/L	09/18/10	18:53	
61032-1	Na	3484371.50000	3479167.25000	3489575.50000	0.21122	ug/L	09/18/10	18:53	
61032-1	Ni	4.13105	2.77384	5.48827	46.46242	ug/L	09/18/10	18:53	
61032-1	Pb	0.76426	1.70235	-0.17381	173.58445	ug/L	09/18/10	18:53	
61032-1	Se	0.71149	-1.42154	2.84453	423.97836	ug/L	09/18/10	18:53	
61032-1	Sb	-5.64093	-12.58131	1.29943	173.99888	ug/L	09/18/10	18:53	
61032-1	Sn	84.37071	81.17673	87.56470	5.35372	ug/L	09/18/10	18:53	
61032-1	Sr	18.75230	18.78998	18.71460	0.28424	ug/L	09/18/10	18:53	
61032-1	Ti	0.31352	0.43762	0.18942	55.97624	ug/L	09/18/10	18:53	
61032-1	Tl	-2.99474	-5.81706	-0.17241	133.27935	ug/L	09/18/10	18:53	
61032-1	V	0.39003	-1.99645	2.77652	865.30651	ug/L	09/18/10	18:53	
61032-1	Zn	15.32982	15.60219	15.05744	2.51273	ug/L	09/18/10	18:53	
61032-1	2203/1	-4.92353	-16.48020	6.63313	331.94860	ug/L	09/18/10	18:53	
61032-1	2203/2	3.60390	10.78000	-3.57218	281.59811	ug/L	09/18/10	18:53	
61032-1	1960/1	-2.59062	-12.12190	6.94064	520.30828	ug/L	09/18/10	18:53	
61032-1	1960/2	2.36007	3.92060	0.79954	93.51066	ug/L	09/18/10	18:53	
61032-1	Y	930.53503	930.08544	930.98461	0.06832		09/18/10	18:53	
61032-1L	Ag	0.05028	0.45788	-0.35730	1146.29797	ug/L	09/18/10	18:58	
61032-1L	Al	439.21731	448.44293	429.99169	2.97050	ug/L	09/18/10	18:58	
61032-1L	2Al	0.43926	0.44848	0.43003	2.97051	mg/L	09/18/10	18:58	
61032-1L	As	-1.48049	-1.79757	-1.16341	30.28862	ug/L	09/18/10	18:58	
61032-1L	B	12.55749	11.71674	13.39823	9.46839	ug/L	09/18/10	18:58	
61032-1L	Ba	0.27544	0.19726	0.35363	40.14260	ug/L	09/18/10	18:58	
61032-1L	Be	-0.02520	-0.02714	-0.02325	10.93196	ug/L	09/18/10	18:58	
61032-1L	Ca	1536.61816	1544.59997	1528.63647	0.73459	ug/L	09/18/10	18:58	
61032-1L	Cd	-0.16965	-0.24290	-0.09640	61.05802	ug/L	09/18/10	18:58	
61032-1L	Co	-0.25798	0.17409	-0.69007	236.85525	ug/L	09/18/10	18:58	
61032-1L	Cr	0.27199	0.55715	-0.01317	148.26963	ug/L	09/18/10	18:58	
61032-1L	Cu	-0.43245	-0.28062	-0.58428	49.65175	ug/L	09/18/10	18:58	
61032-1L	Fe	2.68930	7.38338	-2.00476	246.84500	ug/L	09/18/10	18:58	
61032-1L	2Fe	0.00268	0.00738	-0.00200	246.85504	mg/L	09/18/10	18:58	
61032-1L	K	4124.55126	4129.20019	4119.90234	0.15940	ug/L	09/18/10	18:58	
61032-1L	Mg	429.66683	433.78079	425.55288	1.35407	ug/L	09/18/10	18:58	
61032-1L	2Mg	0.42954	0.43365	0.42543	1.35381	mg/L	09/18/10	18:58	
61032-1L	Mn	0.77305	0.84461	0.70149	13.09142	ug/L	09/18/10	18:58	
61032-1L	Mo	11.36083	11.68658	11.03507	4.05504	ug/L	09/18/10	18:58	
61032-1L	Na	620512.25000	625486.50000	615537.93750	1.13369	ug/L	09/18/10	18:58	
61032-1L	Ni	1.68095	1.96106	1.40084	23.56635	ug/L	09/18/10	18:58	
61032-1L	Pb	0.14327	-0.07621	0.36276	216.65565	ug/L	09/18/10	18:58	
61032-1L	Se	1.84772	2.26611	1.42934	32.02225	ug/L	09/18/10	18:58	
61032-1L	Sb	-0.90457	-2.67119	0.86205	276.19497	ug/L	09/18/10	18:58	
61032-1L	Sn	16.24944	15.61638	16.88250	5.50961	ug/L	09/18/10	18:58	
61032-1L	Sr	3.73813	3.78074	3.69553	1.61177	ug/L	09/18/10	18:58	
61032-1L	Ti	0.21434	0.39439	0.03429	118.79437	ug/L	09/18/10	18:58	
61032-1L	Tl	2.15571	9.08315	-4.77172	454.46084	ug/L	09/18/10	18:58	
61032-1L	V	0.40479	0.15475	0.65482	87.35319	ug/L	09/18/10	18:58	
61032-1L	Zn	3.60464	3.72836	3.48092	4.85392	ug/L	09/18/10	18:58	
61032-1L	2203/1	-2.73868	-5.11475	-0.36262	122.69621	ug/L	09/18/10	18:58	
61032-1L	2203/2	1.58209	2.43927	0.72491	76.62230	ug/L	09/18/10	18:58	
61032-1L	1960/1	-2.44115	-3.55745	-1.32485	64.66969	ug/L	09/18/10	18:58	
61032-1L	1960/2	3.98894	5.17352	2.80437	41.99710	ug/L	09/18/10	18:58	
61032-1L	Y	987.21893	984.02813	990.40972	0.45708		09/18/10	18:58	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61032-1A	Ag	48.75288	49.51793	47.98783	2.21924	ug/L	09/18/10	19:03	
61032-1A	Al	4053.68383	4054.52709	4052.84057	0.02941	ug/L	09/18/10	19:03	
61032-1A	2Al	4.05375	4.05470	4.05280	0.03311	mg/L	09/18/10	19:03	
61032-1A	As	2029.95288	2030.99182	2028.91406	0.07237	ug/L	09/18/10	19:03	
61032-1A	B	1080.68359	1078.77270	1082.59448	0.25006	ug/L	09/18/10	19:03	
61032-1A	Ba	1920.78930	1919.63964	1921.93884	0.08464	ug/L	09/18/10	19:03	
61032-1A	Be	47.17321	47.18251	47.16390	0.02789	ug/L	09/18/10	19:03	
61032-1A	Ca	12737.88281	12737.66796	12738.09863	0.00239	ug/L	09/18/10	19:03	
61032-1A	Cd	51.41307	51.62114	51.20499	0.57235	ug/L	09/18/10	19:03	
61032-1A	Co	488.04461	487.87640	488.21279	0.04873	ug/L	09/18/10	19:03	
61032-1A	Cr	193.36605	193.95263	192.77946	0.42900	ug/L	09/18/10	19:03	
61032-1A	Cu	250.04812	250.13777	249.95849	0.05069	ug/L	09/18/10	19:03	
61032-1A	Fe	950.74804	949.82360	951.67242	0.13750	ug/L	09/18/10	19:03	
61032-1A	2Fe	0.95088	0.94995	0.95180	0.13748	mg/L	09/18/10	19:03	
61032-1A	K	37921.52343	37924.94531	37918.10156	0.01276	ug/L	09/18/10	19:03	
61032-1A	Mg	7162.76562	7169.38476	7156.14599	0.13069	ug/L	09/18/10	19:03	
61032-1A	2Mg	7.16079	7.16741	7.15418	0.13069	mg/L	09/18/10	19:03	
61032-1A	Mn	484.76425	484.71926	484.80923	0.01312	ug/L	09/18/10	19:03	
61032-1A	Mo	592.64147	590.49194	594.79107	0.51294	ug/L	09/18/10	19:03	
61032-1A	Na	3547329.00000	3546267.00000	3548390.75000	0.04233	ug/L	09/18/10	19:03	
61032-1A	Ni	495.97399	497.10256	494.84539	0.32180	ug/L	09/18/10	19:03	
61032-1A	Pb	496.76983	498.38522	495.15447	0.45986	ug/L	09/18/10	19:03	
61032-1A	Se	2090.32397	2086.89013	2093.75781	0.23231	ug/L	09/18/10	19:03	
61032-1A	Sb	481.85253	477.02792	486.67718	1.41600	ug/L	09/18/10	19:03	
61032-1A	Sn	1178.26501	1177.44421	1179.08581	0.09851	ug/L	09/18/10	19:03	
61032-1A	Sr	534.67529	535.01855	534.33203	0.09079	ug/L	09/18/10	19:03	
61032-1A	Ti	990.68115	990.25567	991.10662	0.06073	ug/L	09/18/10	19:03	
61032-1A	Tl	2126.73046	2123.70727	2129.75366	0.20103	ug/L	09/18/10	19:03	
61032-1A	V	475.64508	475.07247	476.21768	0.17024	ug/L	09/18/10	19:03	
61032-1A	Zn	535.61968	535.84954	535.38983	0.06069	ug/L	09/18/10	19:03	
61032-1A	2203/1	488.50408	488.58294	488.42520	0.02283	ug/L	09/18/10	19:03	
61032-1A	2203/2	500.89654	503.27902	498.51406	0.67266	ug/L	09/18/10	19:03	
61032-1A	1960/1	2030.73974	2031.45983	2030.01953	0.05015	ug/L	09/18/10	19:03	
61032-1A	1960/2	2120.07080	2114.56298	2125.57836	0.36739	ug/L	09/18/10	19:03	
61032-1A	Y	926.78552	922.91815	930.65289	0.59013		09/18/10	19:03	
61032-1S	Ag	50.89331	49.88923	51.89738	2.79010	ug/L	09/18/10	19:08	
61032-1S	Al	3924.50390	3911.31787	3937.69018	0.47516	ug/L	09/18/10	19:08	
61032-1S	2Al	3.92467	3.91127	3.93807	0.48288	mg/L	09/18/10	19:08	
61032-1S	As	2073.25244	2064.68701	2081.81787	0.58426	ug/L	09/18/10	19:08	
61032-1S	B	1088.19677	1086.04199	1090.35144	0.28002	ug/L	09/18/10	19:08	
61032-1S	Ba	1384.92382	1381.59265	1388.25488	0.34015	ug/L	09/18/10	19:08	
61032-1S	Be	47.52679	47.42777	47.62582	0.29465	ug/L	09/18/10	19:08	
61032-1S	Ca	12077.82421	12047.30566	12108.34277	0.35734	ug/L	09/18/10	19:08	
61032-1S	Cd	52.09983	51.78608	52.41359	0.85167	ug/L	09/18/10	19:08	
61032-1S	Co	490.47406	490.64611	490.30203	0.04960	ug/L	09/18/10	19:08	
61032-1S	Cr	193.72424	192.75244	194.69606	0.70943	ug/L	09/18/10	19:08	
61032-1S	Cu	250.16543	249.96388	250.36697	0.11393	ug/L	09/18/10	19:08	
61032-1S	Fe	940.23730	933.33203	947.14263	1.03862	ug/L	09/18/10	19:08	
61032-1S	2Fe	0.94037	0.93346	0.94727	1.03842	mg/L	09/18/10	19:08	
61032-1S	K	35891.79687	35775.37109	36008.22265	0.45874	ug/L	09/18/10	19:08	
61032-1S	Mg	6819.26269	6806.72216	6831.80371	0.26007	ug/L	09/18/10	19:08	
61032-1S	2Mg	6.81739	6.80486	6.82993	0.26006	mg/L	09/18/10	19:08	
61032-1S	Mn	488.66656	487.41201	489.92111	0.36306	ug/L	09/18/10	19:08	
61032-1S	Mo	593.15661	592.69519	593.61804	0.11001	ug/L	09/18/10	19:08	
61032-1S	Na	3367454.50000	3361793.50000	3373115.25000	0.23773	ug/L	09/18/10	19:08	
61032-1S	Ni	498.50982	496.11914	500.90051	0.67820	ug/L	09/18/10	19:08	
61032-1S	Pb	493.57916	493.22262	493.93572	0.10216	ug/L	09/18/10	19:08	
61032-1S	Se	2148.46289	2144.68627	2152.23950	0.24859	ug/L	09/18/10	19:08	
61032-1S	Sb	494.04772	491.21871	496.87670	0.80980	ug/L	09/18/10	19:08	
61032-1S	Sn	1137.35644	1133.11511	1141.59765	0.52736	ug/L	09/18/10	19:08	
61032-1S	Sr	511.86776	509.54791	514.18762	0.64094	ug/L	09/18/10	19:08	
61032-1S	Ti	675.26977	673.71820	676.82135	0.32494	ug/L	09/18/10	19:08	
61032-1S	Tl	2204.91235	2199.15014	2210.67456	0.36958	ug/L	09/18/10	19:08	
61032-1S	V	479.97583	477.99154	481.96011	0.58465	ug/L	09/18/10	19:08	
61032-1S	Zn	537.42187	535.59338	539.25030	0.48115	ug/L	09/18/10	19:08	
61032-1S	2203/1	484.86230	482.99612	486.72845	0.54431	ug/L	09/18/10	19:08	
61032-1S	2203/2	497.93109	498.32821	497.53396	0.11279	ug/L	09/18/10	19:08	
61032-1S	1960/1	2084.80273	2082.22460	2087.38085	0.17488	ug/L	09/18/10	19:08	
61032-1S	1960/2	2180.24462	2175.86962	2184.61938	0.28377	ug/L	09/18/10	19:08	
61032-1S	Y	931.41241	932.13702	930.68780	0.11002		09/18/10	19:08	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61032-1SD	Ag	52.15311	51.76824	52.53798	1.04363	ug/L	09/18/10	19:14	
61032-1SD	Al	4185.15673	4188.14306	4182.17041	0.10091	ug/L	09/18/10	19:14	
61032-1SD	2Al	4.18556	4.18855	4.18257	0.10092	mg/L	09/18/10	19:14	
61032-1SD	As	2186.08813	2185.20141	2186.97485	0.05736	ug/L	09/18/10	19:14	
61032-1SD	B	1137.36791	1137.69458	1137.04138	0.04060	ug/L	09/18/10	19:14	
61032-1SD	Ba	1978.54016	1982.29992	1974.78039	0.26873	ug/L	09/18/10	19:14	
61032-1SD	Be	50.66203	50.57157	50.75249	0.25251	ug/L	09/18/10	19:14	
61032-1SD	Ca	12827.57324	12836.81542	12818.33105	0.10189	ug/L	09/18/10	19:14	
61032-1SD	Cd	55.28780	55.21865	55.35694	0.17686	ug/L	09/18/10	19:14	
61032-1SD	Co	524.83148	524.76751	524.89544	0.01723	ug/L	09/18/10	19:14	
61032-1SD	Cr	207.05271	206.46343	207.64199	0.40249	ug/L	09/18/10	19:14	
61032-1SD	Cu	268.10748	267.70584	268.50909	0.21185	ug/L	09/18/10	19:14	
61032-1SD	Fe	1006.51342	994.97320	1018.05358	1.62146	ug/L	09/18/10	19:14	
61032-1SD	2Fe	1.00665	0.99512	1.01819	1.62111	mg/L	09/18/10	19:14	
61032-1SD	K	37723.89843	37747.71093	37700.08593	0.08926	ug/L	09/18/10	19:14	
61032-1SD	Mg	7260.20996	7259.90869	7260.51171	0.00587	ug/L	09/18/10	19:14	
61032-1SD	2Mg	7.25822	7.25792	7.25852	0.00582	mg/L	09/18/10	19:14	
61032-1SD	Mn	521.43182	522.14160	520.72204	0.19250	ug/L	09/18/10	19:14	
61032-1SD	Mo	625.35363	624.18365	626.52362	0.26458	ug/L	09/18/10	19:14	
61032-1SD	Na	3544917.75000	3548163.50000	3541672.00000	0.12948	ug/L	09/18/10	19:14	
61032-1SD	Ni	533.06420	533.88366	532.24468	0.21740	ug/L	09/18/10	19:14	
61032-1SD	Pb	534.65466	537.52886	531.78051	0.76024	ug/L	09/18/10	19:14	
61032-1SD	Se	2255.54345	2256.09472	2254.99243	0.03455	ug/L	09/18/10	19:14	
61032-1SD	Sb	530.16137	533.98962	526.33312	1.02119	ug/L	09/18/10	19:14	
61032-1SD	Sn	1206.27075	1207.00280	1205.53857	0.08583	ug/L	09/18/10	19:14	
61032-1SD	Sr	546.85791	547.82006	545.89575	0.24882	ug/L	09/18/10	19:14	
61032-1SD	Ti	720.61291	721.34436	719.88153	0.14354	ug/L	09/18/10	19:14	
61032-1SD	Tl	2291.89599	2294.09960	2289.69238	0.13597	ug/L	09/18/10	19:14	
61032-1SD	V	511.40921	511.61187	511.20654	0.05604	ug/L	09/18/10	19:14	
61032-1SD	Zn	571.13818	571.67071	570.60565	0.13186	ug/L	09/18/10	19:14	
61032-1SD	2203/1	526.77478	531.69464	521.85491	1.32081	ug/L	09/18/10	19:14	
61032-1SD	2203/2	538.58874	540.44158	536.73590	0.48651	ug/L	09/18/10	19:14	
61032-1SD	1960/1	2204.13378	2210.45507	2197.81250	0.40558	ug/L	09/18/10	19:14	
61032-1SD	1960/2	2281.20922	2278.87963	2283.53881	0.14442	ug/L	09/18/10	19:14	
61032-1SD	Y	927.92041	924.80383	931.03704	0.47499		09/18/10	19:14	
61031-3	Ag	-0.21607	-0.02115	-0.41099	127.57509	ug/L	09/18/10	19:19	
61031-3	Al	968.27996	963.15136	973.40856	0.74905	ug/L	09/18/10	19:19	
61031-3	2Al	0.96827	0.96324	0.97329	0.73417	mg/L	09/18/10	19:19	
61031-3	As	0.16530	-0.30988	0.64050	406.52554	ug/L	09/18/10	19:19	
61031-3	B	1198.73754	1197.33056	1200.14440	0.16598	ug/L	09/18/10	19:19	
61031-3	Ba	17.71778	17.72743	17.70814	0.07698	ug/L	09/18/10	19:19	
61031-3	Be	-0.00496	0.00210	-0.01203	201.38551	ug/L	09/18/10	19:19	
61031-3	Ca	16854.00781	16848.83007	16859.18750	0.04345	ug/L	09/18/10	19:19	
61031-3	Cd	-0.28228	-0.24541	-0.31915	18.47150	ug/L	09/18/10	19:19	
61031-3	Co	3.12563	2.78065	3.47061	15.60885	ug/L	09/18/10	19:19	
61031-3	Cr	10.71556	10.60202	10.82910	1.49846	ug/L	09/18/10	19:19	
61031-3	Cu	12.88786	13.18239	12.59333	3.23197	ug/L	09/18/10	19:19	
61031-3	Fe	1998.21508	1994.83825	2001.59191	0.23899	ug/L	09/18/10	19:19	
61031-3	2Fe	1.99806	1.99469	2.00144	0.23900	mg/L	09/18/10	19:19	
61031-3	K	7171.94921	7176.61181	7167.28662	0.09194	ug/L	09/18/10	19:19	
61031-3	Mg	2526.04223	2526.46166	2525.62280	0.02348	ug/L	09/18/10	19:19	
61031-3	2Mg	2.52501	2.52543	2.52459	0.02352	mg/L	09/18/10	19:19	
61031-3	Mn	88.52964	88.52103	88.53826	0.01375	ug/L	09/18/10	19:19	
61031-3	Mo	53.03249	54.47649	51.58849	3.85070	ug/L	09/18/10	19:19	
61031-3	Na	122537.73437	122348.55468	122726.90625	0.21832	ug/L	09/18/10	19:19	
61031-3	Ni	180.90985	180.00476	181.81495	0.70753	ug/L	09/18/10	19:19	
61031-3	Pb	1.55113	1.77410	1.32815	20.32921	ug/L	09/18/10	19:19	
61031-3	Se	2.35270	-0.12410	4.82950	148.88150	ug/L	09/18/10	19:19	
61031-3	Sb	-1.39774	-2.03074	-0.76475	64.04507	ug/L	09/18/10	19:19	
61031-3	Sn	-0.05575	-0.18310	0.07160	323.03976	ug/L	09/18/10	19:19	
61031-3	Sr	137.34667	137.23237	137.46096	0.11768	ug/L	09/18/10	19:19	
61031-3	Ti	2.24810	2.20501	2.29119	2.71068	ug/L	09/18/10	19:19	
61031-3	Tl	2.99597	6.82205	-0.83010	180.60523	ug/L	09/18/10	19:19	
61031-3	V	1.95621	1.49333	2.41910	33.46337	ug/L	09/18/10	19:19	
61031-3	Zn	62.95872	62.48995	63.42749	1.05297	ug/L	09/18/10	19:19	
61031-3	2203/1	3.36912	2.83642	3.90181	22.36043	ug/L	09/18/10	19:19	
61031-3	2203/2	0.64349	1.24374	0.04325	131.91511	ug/L	09/18/10	19:19	
61031-3	1960/1	-2.38982	-2.29914	-2.48051	5.36645	ug/L	09/18/10	19:19	
61031-3	1960/2	4.72040	0.96177	8.47903	112.60688	ug/L	09/18/10	19:19	
61031-3	Y	970.08197	969.92047	970.24346	0.02354		09/18/10	19:19	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61052-1	Ag	0.16915	0.55307	-0.21475	320.96032	ug/L	09/18/10	19:24	
61052-1	Al	28376.99609	28353.44921	28400.54296	0.11734	ug/L	09/18/10	19:24	
61052-1	2Al	28.37666	28.35321	28.40010	0.11684	mg/L	09/18/10	19:24	
61052-1	As	0.30714	-2.32549	2.93979	1212.15368	ug/L	09/18/10	19:24	
61052-1	B	45.92278	46.77439	45.07117	2.62257	ug/L	09/18/10	19:24	
61052-1	Ba	86.96954	86.96540	86.97369	0.00674	ug/L	09/18/10	19:24	
61052-1	Be	1.98332	1.99621	1.97042	0.91943	ug/L	09/18/10	19:24	
61052-1	Ca	15666.83984	15662.82812	15670.85156	0.03621	ug/L	09/18/10	19:24	
61052-1	Cd	-0.11635	0.01573	-0.24843	160.54122	ug/L	09/18/10	19:24	
61052-1	Co	9.28951	9.29801	9.28101	0.12941	ug/L	09/18/10	19:24	
61052-1	Cr	34.84806	34.80080	34.89532	0.19178	ug/L	09/18/10	19:24	
61052-1	Cu	580.61218	580.76403	580.46038	0.03698	ug/L	09/18/10	19:24	
61052-1	Fe	19358.33398	19350.58984	19366.07812	0.05657	ug/L	09/18/10	19:24	
61052-1	2Fe	19.35480	19.34706	19.36254	0.05655	mg/L	09/18/10	19:24	
61052-1	K	3795.74707	3812.02319	3779.47119	0.60640	ug/L	09/18/10	19:24	
61052-1	Mg	7021.18408	7022.36181	7020.00634	0.02372	ug/L	09/18/10	19:24	
61052-1	2Mg	7.01586	7.01704	7.01468	0.02376	mg/L	09/18/10	19:24	
61052-1	Mn	146.25645	146.37379	146.13911	0.11346	ug/L	09/18/10	19:24	
61052-1	Mo	0.69269	2.32385	-0.93846	333.02075	ug/L	09/18/10	19:24	
61052-1	Na	61313.54687	61416.88671	61210.21093	0.23835	ug/L	09/18/10	19:24	
61052-1	Ni	19.57190	20.22602	18.91778	4.72649	ug/L	09/18/10	19:24	
61052-1	Pb	4.98919	4.68391	5.29448	8.65340	ug/L	09/18/10	19:24	
61052-1	Se	7.11614	9.55819	4.67409	48.53166	ug/L	09/18/10	19:24	
61052-1	Sb	-1.43164	2.40038	-5.26366	378.53738	ug/L	09/18/10	19:24	
61052-1	Sn	-3.12467	-1.64432	-4.60501	66.99970	ug/L	09/18/10	19:24	
61052-1	Sr	81.68069	81.64514	81.71624	0.06154	ug/L	09/18/10	19:24	
61052-1	Ti	287.26394	287.12866	287.39923	0.06660	ug/L	09/18/10	19:24	
61052-1	Tl	1.88935	4.32724	-0.54854	182.48086	ug/L	09/18/10	19:24	
61052-1	V	27.63295	27.96654	27.29936	1.70726	ug/L	09/18/10	19:24	
61052-1	Zn	74.92205	75.25013	74.59397	0.61927	ug/L	09/18/10	19:24	
61052-1	2203/1	8.91985	8.22184	9.61787	11.06682	ug/L	09/18/10	19:24	
61052-1	2203/2	3.02681	2.91760	3.13602	5.10261	ug/L	09/18/10	19:24	
61052-1	1960/1	8.05615	6.78131	9.33100	22.37910	ug/L	09/18/10	19:24	
61052-1	1960/2	6.64683	10.94454	2.34912	91.44019	ug/L	09/18/10	19:24	
61052-1	Y	984.54321	985.33764	983.74877	0.11411		09/18/10	19:24	
61052-1S	Ag	50.03845	50.94842	49.12848	2.57180	ug/L	09/18/10	19:29	
61052-1S	Al	30487.48046	30431.66992	30543.29101	0.25888	ug/L	09/18/10	19:29	
61052-1S	2Al	30.48816	30.43265	30.54366	0.25745	mg/L	09/18/10	19:29	
61052-1S	As	2042.56323	2038.47216	2046.65441	0.28325	ug/L	09/18/10	19:29	
61052-1S	B	1074.89733	1072.74414	1077.05053	0.28329	ug/L	09/18/10	19:29	
61052-1S	Ba	2126.00781	2122.25390	2129.76171	0.24970	ug/L	09/18/10	19:29	
61052-1S	Be	52.96504	52.92140	53.00867	0.11649	ug/L	09/18/10	19:29	
61052-1S	Ca	20770.64062	20740.61718	20800.66210	0.20441	ug/L	09/18/10	19:29	
61052-1S	Cd	52.45051	52.46983	52.43119	0.05208	ug/L	09/18/10	19:29	
61052-1S	Co	518.55999	518.23114	518.88885	0.08968	ug/L	09/18/10	19:29	
61052-1S	Cr	236.88580	235.70864	238.06295	0.70276	ug/L	09/18/10	19:29	
61052-1S	Cu	825.27130	823.98779	826.55480	0.21994	ug/L	09/18/10	19:29	
61052-1S	Fe	20428.08984	20420.85937	20435.32031	0.05005	ug/L	09/18/10	19:29	
61052-1S	2Fe	20.42574	20.41851	20.43297	0.05003	mg/L	09/18/10	19:29	
61052-1S	K	9312.97656	9315.96289	9309.99023	0.04534	ug/L	09/18/10	19:29	
61052-1S	Mg	12198.23339	12199.86718	12196.59960	0.01894	ug/L	09/18/10	19:29	
61052-1S	2Mg	12.19150	12.19313	12.18986	0.01896	mg/L	09/18/10	19:29	
61052-1S	Mn	660.09130	659.23773	660.94488	0.18287	ug/L	09/18/10	19:29	
61052-1S	Mo	522.37689	522.46008	522.29370	0.02252	ug/L	09/18/10	19:29	
61052-1S	Na	67565.87500	67500.14843	67631.60156	0.13757	ug/L	09/18/10	19:29	
61052-1S	Ni	532.44036	532.28802	532.59271	0.04046	ug/L	09/18/10	19:29	
61052-1S	Pb	512.73400	511.58926	513.87872	0.31573	ug/L	09/18/10	19:29	
61052-1S	Se	2055.68847	2061.14306	2050.23364	0.37525	ug/L	09/18/10	19:29	
61052-1S	Sb	492.19146	489.75875	494.62417	0.69899	ug/L	09/18/10	19:29	
61052-1S	Sn	1043.53540	1043.10607	1043.96459	0.05817	ug/L	09/18/10	19:29	
61052-1S	Sr	612.38610	610.96295	613.80926	0.32865	ug/L	09/18/10	19:29	
61052-1S	Ti	990.27465	988.46820	992.08111	0.25798	ug/L	09/18/10	19:29	
61052-1S	Tl	2145.03857	2140.46484	2149.61254	0.30155	ug/L	09/18/10	19:29	
61052-1S	V	520.10791	520.12335	520.09246	0.00419	ug/L	09/18/10	19:29	
61052-1S	Zn	587.42041	587.07946	587.76135	0.08208	ug/L	09/18/10	19:29	
61052-1S	2203/1	513.06207	512.65716	513.46697	0.11160	ug/L	09/18/10	19:29	
61052-1S	2203/2	512.57019	511.05612	514.08428	0.41774	ug/L	09/18/10	19:29	
61052-1S	1960/1	1997.64233	2000.06054	1995.22399	0.17119	ug/L	09/18/10	19:29	
61052-1S	1960/2	2084.66699	2091.63769	2077.69653	0.47287	ug/L	09/18/10	19:29	
61052-1S	Y	985.86578	988.71612	983.01544	0.40887		09/18/10	19:29	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	478.62207	480.21112	477.03298	0.46953	ug/L	09/18/10	19:34	
CCV	Al	4698.27929	4721.01513	4675.54394	0.68435	ug/L	09/18/10	19:34	
CCV	2Al	4.69840	4.72124	4.67556	0.68740	mg/L	09/18/10	19:34	
CCV	As	489.32846	487.12216	491.53475	0.63764	ug/L	09/18/10	19:34	
CCV	B	4877.74023	4891.03564	4864.44482	0.38547	ug/L	09/18/10	19:34	
CCV	Ba	4848.91015	4864.86572	4832.95410	0.46536	ug/L	09/18/10	19:34	
CCV	Be	491.97320	493.49774	490.44866	0.43823	ug/L	09/18/10	19:34	
CCV	Ca	4830.41845	4844.98583	4815.85107	0.42649	ug/L	09/18/10	19:34	
CCV	Cd	501.07879	502.56243	499.59518	0.41872	ug/L	09/18/10	19:34	
CCV	Co	485.10403	486.54302	483.66503	0.41950	ug/L	09/18/10	19:34	
CCV	Cr	4912.57519	4927.46289	4897.68701	0.42858	ug/L	09/18/10	19:34	
CCV	Cu	4766.05664	4785.21337	4746.90039	0.56842	ug/L	09/18/10	19:34	
CCV	Fe	4807.26904	4832.18408	4782.35400	0.73295	ug/L	09/18/10	19:34	
CCV	2Fe	4.80752	4.83243	4.78260	0.73290	mg/L	09/18/10	19:34	
CCV	K	9548.46484	9580.31738	9516.61132	0.47177	ug/L	09/18/10	19:34	
CCV	Mg	4896.99560	4908.58251	4885.40869	0.33462	ug/L	09/18/10	19:34	
CCV	2Mg	4.89700	4.90859	4.88542	0.33458	mg/L	09/18/10	19:34	
CCV	Mn	4886.26464	4900.89306	4871.63574	0.42339	ug/L	09/18/10	19:34	
CCV	Mo	500.39404	500.09820	500.68991	0.08361	ug/L	09/18/10	19:34	
CCV	Na	7399.39941	7373.76074	7425.03808	0.49002	ug/L	09/18/10	19:34	
CCV	Ni	2462.40478	2472.41259	2452.39672	0.57477	ug/L	09/18/10	19:34	
CCV	Pb	500.47039	502.82290	498.11785	0.66476	ug/L	09/18/10	19:34	
CCV	Se	5006.37988	5023.02246	4989.73730	0.47012	ug/L	09/18/10	19:34	
CCV	Sb	486.44702	487.83734	485.05667	0.40420	ug/L	09/18/10	19:34	
CCV	Sn	4932.39355	4944.43652	4920.35107	0.34528	ug/L	09/18/10	19:34	
CCV	Sr	2506.64770	2516.38183	2496.91357	0.54918	ug/L	09/18/10	19:34	
CCV	Ti	484.58593	486.64505	482.52685	0.60092	ug/L	09/18/10	19:34	
CCV	Tl	5024.96386	5051.09179	4998.83593	0.73533	ug/L	09/18/10	19:34	
CCV	V	4807.25781	4820.47851	4794.03662	0.38893	ug/L	09/18/10	19:34	
CCV	Zn	2460.72119	2469.31713	2452.12548	0.49401	ug/L	09/18/10	19:34	
CCV	2203/1	494.01104	498.42953	489.59255	1.26488	ug/L	09/18/10	19:34	
CCV	2203/2	503.69104	505.01211	502.36996	0.37091	ug/L	09/18/10	19:34	
CCV	1960/1	4871.25390	4879.41308	4863.09472	0.23687	ug/L	09/18/10	19:34	
CCV	1960/2	5073.84130	5094.71923	5052.96337	0.58192	ug/L	09/18/10	19:34	
CCV	Y	1000.14367	1001.66271	998.62469	0.21478		09/18/10	19:34	
CCB	Ag	0.23941	0.21472	0.26409	14.57894	ug/L	09/18/10	19:39	
CCB	Al	19.00900	19.99069	18.02731	7.30346	ug/L	09/18/10	19:39	
CCB	2Al	0.01901	0.01999	0.01802	7.30351	mg/L	09/18/10	19:39	
CCB	As	-1.43943	-2.56368	-0.31519	110.45401	ug/L	09/18/10	19:39	
CCB	B	19.55636	22.74097	16.37176	23.02935	ug/L	09/18/10	19:39	
CCB	Ba	0.65661	0.14339	1.16983	110.53799	ug/L	09/18/10	19:39	
CCB	Be	0.03840	-0.00182	0.07863	148.15278	ug/L	09/18/10	19:39	
CCB	Ca	-0.83586	-2.23401	0.56229	236.55738	ug/L	09/18/10	19:39	
CCB	Cd	0.00936	-0.06201	0.08073	1078.31384	ug/L	09/18/10	19:39	
CCB	Co	-0.14496	-0.05596	-0.23396	86.82238	ug/L	09/18/10	19:39	
CCB	Cr	0.49588	0.09863	0.89313	113.29159	ug/L	09/18/10	19:39	
CCB	Cu	-0.86731	-1.27738	-0.45724	66.86531	ug/L	09/18/10	19:39	
CCB	Fe	15.18654	11.47646	18.89661	34.54928	ug/L	09/18/10	19:39	
CCB	2Fe	0.01518	0.01147	0.01889	34.54943	mg/L	09/18/10	19:39	
CCB	K	-3.01574	-8.19354	2.16204	242.80908	ug/L	09/18/10	19:39	
CCB	Mg	1.33497	1.33077	1.33916	0.44453	ug/L	09/18/10	19:39	
CCB	2Mg	0.00133	0.00132	0.00133	0.39892	mg/L	09/18/10	19:39	
CCB	Mn	0.56818	0.09844	1.03792	116.91831	ug/L	09/18/10	19:39	
CCB	Mo	0.40109	0.79683	0.00535	139.53363	ug/L	09/18/10	19:39	
CCB	Na	-147.41235	-383.38754	88.56283	226.38490	ug/L	09/18/10	19:39	
CCB	Ni	1.01841	0.14646	1.89035	121.08212	ug/L	09/18/10	19:39	
CCB	Pb	-0.38027	-0.06807	-0.69247	116.10456	ug/L	09/18/10	19:39	
CCB	Se	5.52186	4.58864	6.45508	23.90083	ug/L	09/18/10	19:39	
CCB	Sb	-0.53391	-1.83369	0.76587	344.28637	ug/L	09/18/10	19:39	
CCB	Sn	1.95705	-0.56281	4.47693	182.09175	ug/L	09/18/10	19:39	
CCB	Sr	0.23293	0.02066	0.44521	128.87567	ug/L	09/18/10	19:39	
CCB	Ti	0.12794	0.21361	0.04228	94.68822	ug/L	09/18/10	19:39	
CCB	Tl	5.78960	5.62374	5.95547	4.05147	ug/L	09/18/10	19:39	
CCB	V	0.85812	0.30073	1.41551	91.85907	ug/L	09/18/10	19:39	
CCB	Zn	0.36252	0.22248	0.50255	54.62892	ug/L	09/18/10	19:39	
CCB	2203/1	1.87730	0.60547	3.14914	95.80968	ug/L	09/18/10	19:39	
CCB	2203/2	-1.50737	-0.40434	-2.61040	103.48572	ug/L	09/18/10	19:39	
CCB	1960/1	5.75346	4.96346	6.54347	19.41847	ug/L	09/18/10	19:39	
CCB	1960/2	5.40624	4.40152	6.41096	26.28238	ug/L	09/18/10	19:39	
CCB	Y	990.43591	992.68829	988.18359	0.32160		09/18/10	19:39	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61052-1SD	Ag	48.64012	49.06542	48.21482	1.23655	ug/L	09/18/10	19:45	
61052-1SD	Al	29264.13281	29305.39453	29222.87109	0.19940	ug/L	09/18/10	19:45	
61052-1SD	2Al	29.26520	29.30707	29.22333	0.20233	mg/L	09/18/10	19:45	
61052-1SD	As	2003.92431	2003.90270	2003.94580	0.00152	ug/L	09/18/10	19:45	
61052-1SD	B	1054.66516	1052.58288	1056.74743	0.27921	ug/L	09/18/10	19:45	
61052-1SD	Ba	2074.02734	2074.81372	2073.24121	0.05361	ug/L	09/18/10	19:45	
61052-1SD	Be	51.54117	51.56314	51.51920	0.06028	ug/L	09/18/10	19:45	
61052-1SD	Ca	19975.21875	19980.19531	19970.24218	0.03523	ug/L	09/18/10	19:45	
61052-1SD	Cd	51.28511	51.61799	50.95224	0.91791	ug/L	09/18/10	19:45	
61052-1SD	Co	505.53924	505.17462	505.90386	0.10200	ug/L	09/18/10	19:45	
61052-1SD	Cr	230.32942	230.08125	230.57759	0.15237	ug/L	09/18/10	19:45	
61052-1SD	Cu	796.70947	797.84271	795.57629	0.20115	ug/L	09/18/10	19:45	
61052-1SD	Fe	19558.44335	19584.07226	19532.81445	0.18531	ug/L	09/18/10	19:45	
61052-1SD	2Fe	19.55668	19.58283	19.53053	0.18909	mg/L	09/18/10	19:45	
61052-1SD	K	9104.93847	9109.10156	9100.77539	0.06466	ug/L	09/18/10	19:45	
61052-1SD	Mg	11758.95898	11761.59960	11756.31835	0.03175	ug/L	09/18/10	19:45	
61052-1SD	2Mg	11.75249	11.75512	11.74985	0.03171	mg/L	09/18/10	19:45	
61052-1SD	Mn	642.16430	642.62750	641.70111	0.10200	ug/L	09/18/10	19:45	
61052-1SD	Mo	508.71746	507.62530	509.80963	0.30361	ug/L	09/18/10	19:45	
61052-1SD	Na	64769.47656	64960.42187	64578.53125	0.41692	ug/L	09/18/10	19:45	
61052-1SD	Ni	515.08422	514.12872	516.03967	0.26233	ug/L	09/18/10	19:45	
61052-1SD	Pb	504.22662	504.78918	503.66409	0.15777	ug/L	09/18/10	19:45	
61052-1SD	Se	2018.29504	2025.48327	2011.10681	0.50367	ug/L	09/18/10	19:45	
61052-1SD	Sb	481.15728	481.73464	480.57989	0.16970	ug/L	09/18/10	19:45	
61052-1SD	Sn	1014.41430	1014.29632	1014.53234	0.01645	ug/L	09/18/10	19:45	
61052-1SD	Sr	595.80639	595.25164	596.36108	0.13166	ug/L	09/18/10	19:45	
61052-1SD	Ti	959.97229	960.75787	959.18664	0.11573	ug/L	09/18/10	19:45	
61052-1SD	Tl	2111.49365	2113.46728	2109.51977	0.13219	ug/L	09/18/10	19:45	
61052-1SD	V	509.87725	510.55990	509.19464	0.18933	ug/L	09/18/10	19:45	
61052-1SD	Zn	570.54699	570.76452	570.32940	0.05392	ug/L	09/18/10	19:45	
61052-1SD	2203/1	504.92474	505.63870	504.21081	0.19996	ug/L	09/18/10	19:45	
61052-1SD	2203/2	503.87811	504.36508	503.39114	0.13667	ug/L	09/18/10	19:45	
61052-1SD	1960/1	1970.24658	1973.16809	1967.32519	0.20969	ug/L	09/18/10	19:45	
61052-1SD	1960/2	2042.28259	2051.60107	2032.96411	0.64527	ug/L	09/18/10	19:45	
61052-1SD	Y	989.46252	990.04309	988.88201	0.08297		09/18/10	19:45	
61052-2	Ag	1.19315	1.51478	0.87152	38.12207	ug/L	09/18/10	19:50	
61052-2	Al	73.17238	77.20430	69.14046	7.79255	ug/L	09/18/10	19:50	
61052-2	2Al	0.07317	0.07721	0.06914	7.79255	mg/L	09/18/10	19:50	
61052-2	As	0.58058	1.55807	-0.39690	238.10076	ug/L	09/18/10	19:50	
61052-2	B	31.03710	31.74824	30.32597	3.24029	ug/L	09/18/10	19:50	
61052-2	Ba	138.67936	138.62396	138.73477	0.05650	ug/L	09/18/10	19:50	
61052-2	Be	0.52055	0.51333	0.52778	1.96383	ug/L	09/18/10	19:50	
61052-2	Ca	30400.83203	30373.27148	30428.39062	0.12820	ug/L	09/18/10	19:50	
61052-2	Cd	1.34012	1.45219	1.22806	11.82614	ug/L	09/18/10	19:50	
61052-2	Co	15.38332	15.47172	15.29492	0.81267	ug/L	09/18/10	19:50	
61052-2	Cr	0.33163	0.54626	0.11701	91.52183	ug/L	09/18/10	19:50	
61052-2	Cu	5778.39257	5773.08935	5783.69628	0.12979	ug/L	09/18/10	19:50	
61052-2	Fe	112.17782	106.20672	118.14892	7.52769	ug/L	09/18/10	19:50	
61052-2	2Fe	0.11217	0.10620	0.11814	7.52731	mg/L	09/18/10	19:50	
61052-2	K	7158.43945	7158.50244	7158.37646	0.00124	ug/L	09/18/10	19:50	
61052-2	Mg	15005.15820	14989.47851	15020.83691	0.14777	ug/L	09/18/10	19:50	
61052-2	2Mg	15.00094	14.98526	15.01661	0.14776	mg/L	09/18/10	19:50	
61052-2	Mn	83.42170	83.36565	83.47776	0.09502	ug/L	09/18/10	19:50	
61052-2	Mo	5.01189	4.11424	5.90953	25.32898	ug/L	09/18/10	19:50	
61052-2	Na	697555.93750	697482.50000	697629.37500	0.01488	ug/L	09/18/10	19:50	
61052-2	Ni	13.37587	13.21055	13.54119	1.74789	ug/L	09/18/10	19:50	
61052-2	Pb	0.76108	1.67498	-0.15281	169.81649	ug/L	09/18/10	19:50	
61052-2	Se	4.77532	5.98851	3.56213	35.92866	ug/L	09/18/10	19:50	
61052-2	Sb	1.11430	-1.10295	3.33155	281.40264	ug/L	09/18/10	19:50	
61052-2	Sn	-0.69684	1.84320	-3.23689	515.49218	ug/L	09/18/10	19:50	
61052-2	Sr	169.42694	169.45442	169.39947	0.02293	ug/L	09/18/10	19:50	
61052-2	Ti	0.91902	0.81978	1.01827	15.27223	ug/L	09/18/10	19:50	
61052-2	Tl	5.05454	6.46586	3.64321	39.48754	ug/L	09/18/10	19:50	
61052-2	V	2.94437	2.96954	2.91920	1.20886	ug/L	09/18/10	19:50	
61052-2	Zn	35.34124	35.28055	35.40193	0.24287	ug/L	09/18/10	19:50	
61052-2	2203/1	3.12607	3.76090	2.49124	28.71906	ug/L	09/18/10	19:50	
61052-2	2203/2	-0.41963	0.63359	-1.47286	354.94763	ug/L	09/18/10	19:50	
61052-2	1960/1	3.61361	1.85569	5.37152	68.79737	ug/L	09/18/10	19:50	
61052-2	1960/2	5.35530	8.05182	2.65879	71.20876	ug/L	09/18/10	19:50	
61052-2	Y	955.01397	955.11437	954.91357	0.01486		09/18/10	19:50	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61056-1	Ag	0.17179	0.12420	0.21939	39.17850	ug/L	09/18/10	19:55	
61056-1	Al	11207.03125	11235.16894	11178.89257	0.35507	ug/L	09/18/10	19:55	
61056-1	2Al	11.20783	11.23627	11.17938	0.35893	mg/L	09/18/10	19:55	
61056-1	As	4.25153	4.51332	3.98974	8.70796	ug/L	09/18/10	19:55	
61056-1	B	212.62431	213.67396	211.57466	0.69814	ug/L	09/18/10	19:55	
61056-1	Ba	173.38665	173.82518	172.94812	0.35768	ug/L	09/18/10	19:55	
61056-1	Be	0.56000	0.54228	0.57772	4.47513	ug/L	09/18/10	19:55	
61056-1	Ca	71852.28125	71949.64843	71754.92187	0.19163	ug/L	09/18/10	19:55	
61056-1	Cd	-0.04466	-0.20709	0.11775	514.23999	ug/L	09/18/10	19:55	
61056-1	Co	6.86698	6.57637	7.15758	5.98481	ug/L	09/18/10	19:55	
61056-1	Cr	15.46063	14.89503	16.02622	5.17361	ug/L	09/18/10	19:55	
61056-1	Cu	8.95142	8.93025	8.97260	0.33454	ug/L	09/18/10	19:55	
61056-1	Fe	14591.19238	14606.17187	14576.21289	0.14518	ug/L	09/18/10	19:55	
61056-1	2Fe	14.59011	14.60509	14.57513	0.14518	mg/L	09/18/10	19:55	
61056-1	K	2068.48217	2065.20898	2071.75537	0.22378	ug/L	09/18/10	19:55	
61056-1	Mg	23502.55468	23542.51367	23462.59570	0.24044	ug/L	09/18/10	19:55	
61056-1	2Mg	23.49403	23.53398	23.45409	0.24045	mg/L	09/18/10	19:55	
61056-1	Mn	1496.85986	1498.95727	1494.76245	0.19816	ug/L	09/18/10	19:55	
61056-1	Mo	2.08442	0.51770	3.65114	106.29679	ug/L	09/18/10	19:55	
61056-1	Na	33917.25781	33945.96875	33888.55078	0.11970	ug/L	09/18/10	19:55	
61056-1	Ni	15.65980	15.23937	16.08024	3.79687	ug/L	09/18/10	19:55	
61056-1	Pb	7.17877	9.31757	5.03996	42.13431	ug/L	09/18/10	19:55	
61056-1	Se	-0.41820	-5.28981	4.45340	1647.38806	ug/L	09/18/10	19:55	
61056-1	Sb	0.43924	-2.60907	3.48757	981.44415	ug/L	09/18/10	19:55	
61056-1	Sn	1.29856	0.41874	2.17838	95.81741	ug/L	09/18/10	19:55	
61056-1	Sr	219.43139	220.23286	218.62992	0.51653	ug/L	09/18/10	19:55	
61056-1	Ti	149.92642	150.07540	149.77745	0.14052	ug/L	09/18/10	19:55	
61056-1	Tl	1.41540	2.46337	0.36744	104.70815	ug/L	09/18/10	19:55	
61056-1	V	21.49835	21.30136	21.69534	1.29583	ug/L	09/18/10	19:55	
61056-1	Zn	39.60450	39.80231	39.40669	0.70634	ug/L	09/18/10	19:55	
61056-1	2203/1	9.46869	8.58278	10.35460	13.23169	ug/L	09/18/10	19:55	
61056-1	2203/2	6.03552	9.68442	2.38663	85.49905	ug/L	09/18/10	19:55	
61056-1	1960/1	-3.06581	-0.61627	-5.51536	112.99373	ug/L	09/18/10	19:55	
61056-1	1960/2	0.90361	-7.62308	9.43031	1334.48498	ug/L	09/18/10	19:55	
61056-1	Y	976.18420	973.37750	978.99090	0.40661		09/18/10	19:55	
61067-1	Ag	0.09536	0.09472	0.09599	0.94529	ug/L	09/18/10	20:00	
61067-1	Al	161.47416	158.24482	164.70350	2.82830	ug/L	09/18/10	20:00	
61067-1	2Al	0.16149	0.15826	0.16471	2.82829	mg/L	09/18/10	20:00	
61067-1	As	9.90443	8.37329	11.43558	21.86261	ug/L	09/18/10	20:00	
61067-1	B	240.85476	239.74703	241.96250	0.65042	ug/L	09/18/10	20:00	
61067-1	Ba	27.53726	27.56563	27.50890	0.14567	ug/L	09/18/10	20:00	
61067-1	Be	-0.04703	-0.04129	-0.05276	17.24259	ug/L	09/18/10	20:00	
61067-1	Ca	30472.83007	30470.56054	30475.09960	0.01053	ug/L	09/18/10	20:00	
61067-1	Cd	-0.04460	0.03606	-0.12527	255.77642	ug/L	09/18/10	20:00	
61067-1	Co	0.63670	0.87403	0.39937	52.71401	ug/L	09/18/10	20:00	
61067-1	Cr	10.70127	10.45728	10.94525	3.22433	ug/L	09/18/10	20:00	
61067-1	Cu	12.46339	12.20052	12.72626	2.98277	ug/L	09/18/10	20:00	
61067-1	Fe	429.60632	431.80233	427.41027	0.72290	ug/L	09/18/10	20:00	
61067-1	2Fe	0.42957	0.43177	0.42737	0.72292	mg/L	09/18/10	20:00	
61067-1	K	12135.70019	12160.37500	12111.02539	0.28754	ug/L	09/18/10	20:00	
61067-1	Mg	4108.65283	4107.08740	4110.21826	0.05388	ug/L	09/18/10	20:00	
61067-1	2Mg	4.10743	4.10587	4.10900	0.05389	mg/L	09/18/10	20:00	
61067-1	Mn	39.76371	39.71517	39.81226	0.17265	ug/L	09/18/10	20:00	
61067-1	Mo	1.57391	1.04427	2.10354	47.58924	ug/L	09/18/10	20:00	
61067-1	Na	7196207.00000	7204483.00000	7187930.50000	0.16264	ug/L	09/18/10	20:00	
61067-1	Ni	30.68091	30.52421	30.83760	0.72227	ug/L	09/18/10	20:00	
61067-1	Pb	1.46510	3.06275	-0.13254	154.21501	ug/L	09/18/10	20:00	
61067-1	Se	-0.37887	-0.43463	-0.32312	20.81065	ug/L	09/18/10	20:00	
61067-1	Sb	3.09416	1.75412	4.43420	61.24778	ug/L	09/18/10	20:00	
61067-1	Sn	18.53717	19.42766	17.64668	6.79359	ug/L	09/18/10	20:00	
61067-1	Sr	99.39864	99.51274	99.28453	0.16234	ug/L	09/18/10	20:00	
61067-1	Ti	1.76709	1.70455	1.82964	5.00539	ug/L	09/18/10	20:00	
61067-1	Tl	-8.79804	-15.29087	-2.30521	104.36698	ug/L	09/18/10	20:00	
61067-1	V	0.21859	-0.40343	0.84063	402.42724	ug/L	09/18/10	20:00	
61067-1	Zn	50.32885	50.33253	50.32518	0.01032	ug/L	09/18/10	20:00	
61067-1	2203/1	-0.60266	0.66587	-1.87120	297.67453	ug/L	09/18/10	20:00	
61067-1	2203/2	2.49744	4.25940	0.73548	99.77342	ug/L	09/18/10	20:00	
61067-1	1960/1	28.71906	25.08041	32.35771	17.91781	ug/L	09/18/10	20:00	
61067-1	1960/2	-14.90604	-13.17303	-16.63904	16.44195	ug/L	09/18/10	20:00	
61067-1	Y	883.67242	886.30450	881.04034	0.42123		09/18/10	20:00	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61093-1	Ag	0.22270	0.66134	-0.21593	278.54708	ug/L	09/18/10	20:05	
61093-1	Al	425.92532	429.11795	422.73269	1.06005	ug/L	09/18/10	20:05	
61093-1	2Al	0.42596	0.42916	0.42277	1.06005	mg/L	09/18/10	20:05	
61093-1	As	-3.71595	-2.98315	-4.44874	27.88857	ug/L	09/18/10	20:05	
61093-1	B	66.10998	65.51915	66.70082	1.26389	ug/L	09/18/10	20:05	
61093-1	Ba	24.07821	24.09606	24.06035	0.10486	ug/L	09/18/10	20:05	
61093-1	Be	0.00664	0.00958	0.00370	62.58739	ug/L	09/18/10	20:05	
61093-1	Ca	62055.64843	62057.53125	62053.76953	0.00428	ug/L	09/18/10	20:05	
61093-1	Cd	-0.20008	-0.18809	-0.21208	8.47931	ug/L	09/18/10	20:05	
61093-1	Co	0.43418	0.13838	0.72998	96.34719	ug/L	09/18/10	20:05	
61093-1	Cr	0.49274	0.49365	0.49182	0.26301	ug/L	09/18/10	20:05	
61093-1	Cu	7.96921	7.44069	8.49772	9.37900	ug/L	09/18/10	20:05	
61093-1	Fe	694.23522	693.88519	694.58532	0.07131	ug/L	09/18/10	20:05	
61093-1	2Fe	0.69418	0.69383	0.69453	0.07136	mg/L	09/18/10	20:05	
61093-1	K	2679.95385	2694.96264	2664.94506	0.79201	ug/L	09/18/10	20:05	
61093-1	Mg	27397.16796	27409.86914	27384.46484	0.06556	ug/L	09/18/10	20:05	
61093-1	2Mg	27.38932	27.40202	27.37662	0.06556	mg/L	09/18/10	20:05	
61093-1	Mn	25.17627	25.20221	25.15033	0.14572	ug/L	09/18/10	20:05	
61093-1	Mo	61.41590	61.55205	61.27974	0.31351	ug/L	09/18/10	20:05	
61093-1	Na	11762.69726	11712.83691	11812.55664	0.59945	ug/L	09/18/10	20:05	
61093-1	Ni	19.46146	20.05165	18.87126	4.28881	ug/L	09/18/10	20:05	
61093-1	Pb	0.64030	1.11318	0.16742	104.44309	ug/L	09/18/10	20:05	
61093-1	Se	0.09070	4.02612	-3.84470	6135.56201	ug/L	09/18/10	20:05	
61093-1	Sb	3.83770	7.55251	0.12288	136.89279	ug/L	09/18/10	20:05	
61093-1	Sn	-2.73059	-3.71618	-1.74500	51.04505	ug/L	09/18/10	20:05	
61093-1	Sr	73.45733	73.37130	73.54335	0.16561	ug/L	09/18/10	20:05	
61093-1	Ti	0.36823	0.22693	0.50953	54.26754	ug/L	09/18/10	20:05	
61093-1	Tl	0.42031	3.21921	-2.37859	941.74279	ug/L	09/18/10	20:05	
61093-1	V	-0.04660	0.20873	-0.30193	774.88122	ug/L	09/18/10	20:05	
61093-1	Zn	17.66784	17.71431	17.62136	0.37201	ug/L	09/18/10	20:05	
61093-1	2203/1	1.27680	4.62904	-2.07543	371.30004	ug/L	09/18/10	20:05	
61093-1	2203/2	0.32253	-0.64210	1.28717	422.96234	ug/L	09/18/10	20:05	
61093-1	1960/1	-1.36181	4.25709	-6.98071	583.51135	ug/L	09/18/10	20:05	
61093-1	1960/2	0.81588	3.91081	-2.27905	536.46264	ug/L	09/18/10	20:05	
61093-1	Y	970.77160	969.78076	971.76245	0.14434		09/18/10	20:05	
61096-1	Ag	0.19898	-0.21697	0.61493	295.63174	ug/L	09/18/10	20:10	
61096-1	Al	3092.25952	3093.57836	3090.94067	0.06031	ug/L	09/18/10	20:10	
61096-1	2Al	3.09225	3.09346	3.09103	0.05556	mg/L	09/18/10	20:10	
61096-1	As	-2.35256	-3.70498	-1.00014	81.29873	ug/L	09/18/10	20:10	
61096-1	B	1282.89562	1281.52893	1284.26232	0.15065	ug/L	09/18/10	20:10	
61096-1	Ba	42.86829	42.78071	42.95587	0.28892	ug/L	09/18/10	20:10	
61096-1	Be	-0.00857	-0.00660	-0.01054	32.52205	ug/L	09/18/10	20:10	
61096-1	Ca	10056.12792	10067.06347	10045.19238	0.15378	ug/L	09/18/10	20:10	
61096-1	Cd	1.50852	1.59150	1.42555	7.77845	ug/L	09/18/10	20:10	
61096-1	Co	-0.42713	-0.49219	-0.36207	21.54077	ug/L	09/18/10	20:10	
61096-1	Cr	0.32299	-0.27460	0.92059	261.65338	ug/L	09/18/10	20:10	
61096-1	Cu	30.29192	30.35955	30.22430	0.31571	ug/L	09/18/10	20:10	
61096-1	Fe	11.42148	21.64355	1.19940	126.57025	ug/L	09/18/10	20:10	
61096-1	2Fe	0.01142	0.02164	0.00119	126.57109	mg/L	09/18/10	20:10	
61096-1	K	8743.48242	8749.14062	8737.82421	0.09151	ug/L	09/18/10	20:10	
61096-1	Mg	33.45944	32.15026	34.76861	5.53342	ug/L	09/18/10	20:10	
61096-1	2Mg	0.03344	0.03213	0.03475	5.54132	mg/L	09/18/10	20:10	
61096-1	Mn	0.96080	0.94019	0.98141	3.03331	ug/L	09/18/10	20:10	
61096-1	Mo	0.37382	0.37461	0.37303	0.29985	ug/L	09/18/10	20:10	
61096-1	Na	687855.75000	687908.00000	687803.50000	0.01074	ug/L	09/18/10	20:10	
61096-1	Ni	21.28573	21.66296	20.90851	2.50627	ug/L	09/18/10	20:10	
61096-1	Pb	0.24055	-0.06916	0.55028	182.08306	ug/L	09/18/10	20:10	
61096-1	Se	4.21558	4.00393	4.42723	7.10033	ug/L	09/18/10	20:10	
61096-1	Sb	-2.25557	0.00834	-4.51950	141.94476	ug/L	09/18/10	20:10	
61096-1	Sn	-0.45557	0.24437	-1.15551	217.28047	ug/L	09/18/10	20:10	
61096-1	Sr	160.76808	160.82920	160.70695	0.05377	ug/L	09/18/10	20:10	
61096-1	Ti	0.07844	-0.08623	0.24312	296.88757	ug/L	09/18/10	20:10	
61096-1	Tl	4.50063	-0.98542	9.98669	172.38575	ug/L	09/18/10	20:10	
61096-1	V	0.02399	-0.36783	0.41582	2309.36401	ug/L	09/18/10	20:10	
61096-1	Zn	8.97111	8.65469	9.28754	4.98812	ug/L	09/18/10	20:10	
61096-1	2203/1	3.44433	1.59838	5.29029	75.79325	ug/L	09/18/10	20:10	
61096-1	2203/2	-1.35892	-0.90168	-1.81616	47.58412	ug/L	09/18/10	20:10	
61096-1	1960/1	4.87717	2.92363	6.83071	56.64592	ug/L	09/18/10	20:10	
61096-1	1960/2	3.88528	4.54327	3.22730	23.95014	ug/L	09/18/10	20:10	
61096-1	Y	964.11065	961.53094	966.69036	0.37840		09/18/10	20:10	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61065-1	Ag	-0.09443	0.02592	-0.21479	180.25282	ug/L	09/18/10	20:16	
61065-1	Al	21.74383	23.89628	19.59139	13.99944	ug/L	09/18/10	20:16	
61065-1	2Al	0.02174	0.02389	0.01959	13.99948	mg/L	09/18/10	20:16	
61065-1	As	-2.08854	0.50595	-4.68305	175.68125	ug/L	09/18/10	20:16	
61065-1	B	20.78859	22.42353	19.15365	11.12221	ug/L	09/18/10	20:16	
61065-1	Ba	19.85480	19.79222	19.91737	0.44568	ug/L	09/18/10	20:16	
61065-1	Be	-0.00113	-0.02282	0.02056	2710.57275	ug/L	09/18/10	20:16	
61065-1	Ca	33330.95312	33308.83203	33353.07812	0.09386	ug/L	09/18/10	20:16	
61065-1	Cd	-0.21744	-0.28451	-0.15036	43.62330	ug/L	09/18/10	20:16	
61065-1	Co	0.15146	0.40433	-0.10141	236.11039	ug/L	09/18/10	20:16	
61065-1	Cr	0.16037	0.21795	0.10280	50.77054	ug/L	09/18/10	20:16	
61065-1	Cu	1.08477	1.47393	0.69560	50.73533	ug/L	09/18/10	20:16	
61065-1	Fe	49.50074	53.75704	45.24444	12.16005	ug/L	09/18/10	20:16	
61065-1	2Fe	0.04949	0.05375	0.04524	12.16033	mg/L	09/18/10	20:16	
61065-1	K	2074.90820	2076.06640	2073.75024	0.07893	ug/L	09/18/10	20:16	
61065-1	Mg	5037.21777	5036.31640	5038.11962	0.02531	ug/L	09/18/10	20:16	
61065-1	2Mg	5.03579	5.03488	5.03669	0.02532	mg/L	09/18/10	20:16	
61065-1	Mn	7.29982	7.33164	7.26799	0.61656	ug/L	09/18/10	20:16	
61065-1	Mo	0.83944	-0.35905	2.03794	201.91183	ug/L	09/18/10	20:16	
61065-1	Na	6636.38916	6537.26025	6735.51806	2.11243	ug/L	09/18/10	20:16	
61065-1	Ni	0.57488	0.87276	0.27701	73.27712	ug/L	09/18/10	20:16	
61065-1	Pb	-1.12005	0.33031	-2.57042	183.12803	ug/L	09/18/10	20:16	
61065-1	Se	2.18111	-1.51518	5.87741	239.66409	ug/L	09/18/10	20:16	
61065-1	Sb	-0.51797	-0.81684	-0.21910	81.59978	ug/L	09/18/10	20:16	
61065-1	Sn	-0.25825	-0.57096	0.05446	171.24581	ug/L	09/18/10	20:16	
61065-1	Sr	250.82609	250.74670	250.90548	0.04476	ug/L	09/18/10	20:16	
61065-1	Ti	0.00681	0.09131	-0.07769	1754.50988	ug/L	09/18/10	20:16	
61065-1	Tl	1.08437	1.52719	0.64154	57.75229	ug/L	09/18/10	20:16	
61065-1	V	0.26030	0.15783	0.36277	55.67252	ug/L	09/18/10	20:16	
61065-1	Zn	56.73548	56.74728	56.72368	0.02941	ug/L	09/18/10	20:16	
61065-1	2203/1	4.43531	4.40705	4.46357	0.90105	ug/L	09/18/10	20:16	
61065-1	2203/2	-3.89357	-1.70499	-6.08214	79.49288	ug/L	09/18/10	20:16	
61065-1	1960/1	3.37552	1.43517	5.31587	81.29323	ug/L	09/18/10	20:16	
61065-1	1960/2	1.58473	-2.98822	6.15769	408.08969	ug/L	09/18/10	20:16	
61065-1	Y	982.20355	981.04248	983.36462	0.16717		09/18/10	20:16	
61123-1	Ag	0.48854	0.94436	0.03272	131.94969	ug/L	09/18/10	20:21	
61123-1	Al	21735.10937	21699.92187	21770.29492	0.22894	ug/L	09/18/10	20:21	
61123-1	2Al	21.73597	21.70099	21.77095	0.22759	mg/L	09/18/10	20:21	
61123-1	As	-0.43342	-1.42874	0.56188	324.75704	ug/L	09/18/10	20:21	
61123-1	B	1067.04541	1064.53283	1069.55810	0.33301	ug/L	09/18/10	20:21	
61123-1	Ba	7.47254	7.49867	7.44642	0.49442	ug/L	09/18/10	20:21	
61123-1	Be	-0.00557	-0.01381	0.00267	209.22706	ug/L	09/18/10	20:21	
61123-1	Ca	8683.90039	8674.74804	8693.05371	0.14905	ug/L	09/18/10	20:21	
61123-1	Cd	-0.01676	-0.35890	0.32538	2886.96533	ug/L	09/18/10	20:21	
61123-1	Co	2.56772	2.66800	2.46744	5.52311	ug/L	09/18/10	20:21	
61123-1	Cr	6.46771	6.59842	6.33701	2.85791	ug/L	09/18/10	20:21	
61123-1	Cu	108.02026	107.87221	108.16830	0.19382	ug/L	09/18/10	20:21	
61123-1	Fe	421.97290	416.58325	427.36257	1.80630	ug/L	09/18/10	20:21	
61123-1	2Fe	0.42194	0.41655	0.42733	1.80628	mg/L	09/18/10	20:21	
61123-1	K	135045.00000	134936.68750	135153.32812	0.11343	ug/L	09/18/10	20:21	
61123-1	Mg	9088.49707	9080.38671	9096.60742	0.12620	ug/L	09/18/10	20:21	
61123-1	2Mg	9.08591	9.07780	9.09402	0.12619	mg/L	09/18/10	20:21	
61123-1	Mn	127.98579	127.83368	128.13790	0.16807	ug/L	09/18/10	20:21	
61123-1	Mo	49.61106	50.37930	48.84281	2.18995	ug/L	09/18/10	20:21	
61123-1	Na	2068468.50000	2068396.25000	2068540.87500	0.00494	ug/L	09/18/10	20:21	
61123-1	Ni	158.13227	156.17362	160.09092	1.75166	ug/L	09/18/10	20:21	
61123-1	Pb	4.53345	4.56717	4.49973	1.05186	ug/L	09/18/10	20:21	
61123-1	Se	2.31853	3.88217	0.75488	95.37639	ug/L	09/18/10	20:21	
61123-1	Sb	-0.60342	-2.29969	1.09284	397.54434	ug/L	09/18/10	20:21	
61123-1	Sn	16.28707	14.36753	18.20660	16.66741	ug/L	09/18/10	20:21	
61123-1	Sr	139.72460	139.44210	140.00709	0.28592	ug/L	09/18/10	20:21	
61123-1	Ti	16.78595	16.68899	16.88290	0.81683	ug/L	09/18/10	20:21	
61123-1	Tl	4.22180	4.48038	3.96322	8.66192	ug/L	09/18/10	20:21	
61123-1	V	25.37435	25.20147	25.54723	0.96352	ug/L	09/18/10	20:21	
61123-1	Zn	75.19818	75.26386	75.13251	0.12350	ug/L	09/18/10	20:21	
61123-1	2203/1	7.21199	7.07110	7.35289	2.76284	ug/L	09/18/10	20:21	
61123-1	2203/2	3.19619	3.31709	3.07530	5.34923	ug/L	09/18/10	20:21	
61123-1	1960/1	1.34466	-0.72164	3.41097	217.31890	ug/L	09/18/10	20:21	
61123-1	1960/2	2.80473	6.18064	-0.57117	170.22120	ug/L	09/18/10	20:21	
61123-1	Y	935.48931	933.95281	937.02581	0.23227		09/18/10	20:21	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61124-1	Ag	0.95680	0.29207	1.62152	98.25048	ug/L	09/18/10	20:26	
61124-1	Al	7761.45703	7754.70996	7768.20410	0.12293	ug/L	09/18/10	20:26	
61124-1	2Al	7.76164	7.75470	7.76858	0.12644	mg/L	09/18/10	20:26	
61124-1	As	22.64640	21.42907	23.86372	7.60190	ug/L	09/18/10	20:26	
61124-1	B	56045.46093	56070.61328	56020.30468	0.06347	ug/L	09/18/10	20:26	
61124-1	Ba	126.81733	126.86758	126.76708	0.05603	ug/L	09/18/10	20:26	
61124-1	Be	1.34304	1.32538	1.36069	1.85886	ug/L	09/18/10	20:26	
61124-1	Ca	79371.32812	79299.54687	79443.10937	0.12789	ug/L	09/18/10	20:26	
61124-1	Cd	5.77764	5.61886	5.93641	3.88635	ug/L	09/18/10	20:26	
61124-1	Co	11.42788	11.39094	11.46482	0.45711	ug/L	09/18/10	20:26	
61124-1	Cr	57.54277	57.26210	57.82344	0.68980	ug/L	09/18/10	20:26	
61124-1	Cu	1873.30627	1874.73486	1871.87768	0.10784	ug/L	09/18/10	20:26	
61124-1	Fe	41112.08593	41118.22265	41105.95312	0.02110	ug/L	09/18/10	20:26	
61124-1	2Fe	41.10604	41.11119	41.10091	0.01768	mg/L	09/18/10	20:26	
61124-1	K	31056.65039	31073.49218	31039.80859	0.07669	ug/L	09/18/10	20:26	
61124-1	Mg	10945.61523	10929.26269	10961.96679	0.21127	ug/L	09/18/10	20:26	
61124-1	2Mg	10.93586	10.91951	10.95221	0.21140	mg/L	09/18/10	20:26	
61124-1	Mn	1235.54162	1235.63415	1235.44909	0.01059	ug/L	09/18/10	20:26	
61124-1	Mo	391.52349	394.22732	388.81970	0.97663	ug/L	09/18/10	20:26	
61124-1	Na	1196444.12500	1193071.50000	1199816.75000	0.39864	ug/L	09/18/10	20:26	
61124-1	Ni	56.54603	56.90114	56.19092	0.88812	ug/L	09/18/10	20:26	
61124-1	Pb	405.40515	404.73916	406.07113	0.23232	ug/L	09/18/10	20:26	
61124-1	Se	-3.27852	-3.06969	-3.48735	9.00815	ug/L	09/18/10	20:26	
61124-1	Sb	17.41884	17.53029	17.30740	0.90478	ug/L	09/18/10	20:26	
61124-1	Sn	62.37443	59.20795	65.54092	7.17936	ug/L	09/18/10	20:26	
61124-1	Sr	435.51959	435.92846	435.11074	0.13276	ug/L	09/18/10	20:26	
61124-1	Ti	76.91905	76.79714	77.04096	0.22413	ug/L	09/18/10	20:26	
61124-1	Tl	-3.22970	1.08464	-7.54405	188.91522	ug/L	09/18/10	20:26	
61124-1	V	13.14938	13.12357	13.17519	0.27756	ug/L	09/18/10	20:26	
61124-1	Zn	2907.88427	2906.77832	2908.99023	0.05378	ug/L	09/18/10	20:26	
61124-1	2203/1	403.08093	403.53298	402.62887	0.15860	ug/L	09/18/10	20:26	
61124-1	2203/2	406.56552	405.34136	407.78967	0.42581	ug/L	09/18/10	20:26	
61124-1	1960/1	38.42430	39.69122	37.15737	4.66293	ug/L	09/18/10	20:26	
61124-1	1960/2	-24.09867	-24.41809	-23.77925	1.87448	ug/L	09/18/10	20:26	
61124-1	Y	1034.16015	1035.95422	1032.36608	0.24533		09/18/10	20:26	
61124-2	Ag	0.37323	0.52067	0.22580	55.86305	ug/L	09/18/10	20:31	
61124-2	Al	233.11163	231.85861	234.36466	0.76017	ug/L	09/18/10	20:31	
61124-2	2Al	0.23313	0.23188	0.23438	0.76017	mg/L	09/18/10	20:31	
61124-2	As	15.25936	13.32092	17.19779	17.96515	ug/L	09/18/10	20:31	
61124-2	B	56206.10937	56166.02734	56246.19531	0.10085	ug/L	09/18/10	20:31	
61124-2	Ba	0.28250	0.28243	0.28258	0.03739	ug/L	09/18/10	20:31	
61124-2	Be	-0.04415	-0.03331	-0.05500	34.73324	ug/L	09/18/10	20:31	
61124-2	Ca	3730.36352	3728.72900	3731.99804	0.06196	ug/L	09/18/10	20:31	
61124-2	Cd	1.90182	2.04959	1.75405	10.98854	ug/L	09/18/10	20:31	
61124-2	Co	4.76489	4.33196	5.19782	12.84918	ug/L	09/18/10	20:31	
61124-2	Cr	2.82982	2.36340	3.29624	23.30937	ug/L	09/18/10	20:31	
61124-2	Cu	1.90927	1.55725	2.26129	26.07461	ug/L	09/18/10	20:31	
61124-2	Fe	2618.74462	2614.78564	2622.70361	0.21379	ug/L	09/18/10	20:31	
61124-2	2Fe	2.61855	2.61459	2.62251	0.21380	mg/L	09/18/10	20:31	
61124-2	K	28004.83398	28002.40625	28007.26171	0.01225	ug/L	09/18/10	20:31	
61124-2	Mg	2602.64794	2601.89160	2603.40454	0.04110	ug/L	09/18/10	20:31	
61124-2	2Mg	2.60146	2.60070	2.60222	0.04107	mg/L	09/18/10	20:31	
61124-2	Mn	26.84707	26.87452	26.81962	0.14459	ug/L	09/18/10	20:31	
61124-2	Mo	243.82608	243.23519	244.41697	0.34272	ug/L	09/18/10	20:31	
61124-2	Na	1194145.12500	1193562.75000	1194727.50000	0.06897	ug/L	09/18/10	20:31	
61124-2	Ni	32.18532	31.32228	33.04836	3.79216	ug/L	09/18/10	20:31	
61124-2	Pb	65.66912	64.13961	67.19864	3.29388	ug/L	09/18/10	20:31	
61124-2	Se	-4.08250	-6.05881	-2.10619	68.46089	ug/L	09/18/10	20:31	
61124-2	Sb	15.09533	14.21624	15.97443	8.23583	ug/L	09/18/10	20:31	
61124-2	Sn	17.49204	17.10342	17.88066	3.14194	ug/L	09/18/10	20:31	
61124-2	Sr	18.40418	18.39189	18.41647	0.09443	ug/L	09/18/10	20:31	
61124-2	Ti	0.71543	0.64977	0.78109	12.97923	ug/L	09/18/10	20:31	
61124-2	Tl	-2.52619	0.79585	-5.84825	185.97482	ug/L	09/18/10	20:31	
61124-2	V	4.90031	4.79212	5.00851	3.12235	ug/L	09/18/10	20:31	
61124-2	Zn	781.84863	782.30334	781.39385	0.08225	ug/L	09/18/10	20:31	
61124-2	2203/1	65.19987	65.67247	64.72728	1.02507	ug/L	09/18/10	20:31	
61124-2	2203/2	65.90339	63.37432	68.43247	5.42710	ug/L	09/18/10	20:31	
61124-2	1960/1	21.26993	24.03751	18.50234	18.40135	ug/L	09/18/10	20:31	
61124-2	1960/2	-16.73972	-21.08442	-12.39502	36.70509	ug/L	09/18/10	20:31	
61124-2	Y	961.05078	961.33013	960.77142	0.04110		09/18/10	20:31	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	489.68231	491.14248	488.22210	0.42170	ug/L	09/18/10	20:36	
CCV	Al	4801.78857	4814.32519	4789.25195	0.36922	ug/L	09/18/10	20:36	
CCV	2Al	4.80211	4.81475	4.78947	0.37223	mg/L	09/18/10	20:36	
CCV	As	496.38659	496.00973	496.76342	0.10736	ug/L	09/18/10	20:36	
CCV	B	5257.85449	5311.29833	5204.41113	1.43748	ug/L	09/18/10	20:36	
CCV	Ba	4908.87158	4915.46191	4902.28125	0.18986	ug/L	09/18/10	20:36	
CCV	Be	499.22802	500.43218	498.02389	0.34111	ug/L	09/18/10	20:36	
CCV	Ca	4912.74707	4918.77246	4906.72119	0.17345	ug/L	09/18/10	20:36	
CCV	Cd	507.11468	507.82220	506.40719	0.19730	ug/L	09/18/10	20:36	
CCV	Co	491.94534	493.37625	490.51443	0.41134	ug/L	09/18/10	20:36	
CCV	Cr	4984.53515	4993.88476	4975.18603	0.26526	ug/L	09/18/10	20:36	
CCV	Cu	4871.96386	4882.03662	4861.89160	0.29238	ug/L	09/18/10	20:36	
CCV	Fe	4887.56542	4893.85449	4881.27636	0.18197	ug/L	09/18/10	20:36	
CCV	2Fe	4.88782	4.89411	4.88153	0.18198	mg/L	09/18/10	20:36	
CCV	K	9650.46093	9658.60839	9642.31347	0.11939	ug/L	09/18/10	20:36	
CCV	Mg	4980.56347	4994.48632	4966.64111	0.39532	ug/L	09/18/10	20:36	
CCV	2Mg	4.98057	4.99449	4.96665	0.39532	mg/L	09/18/10	20:36	
CCV	Mn	4965.95996	4976.92724	4954.99218	0.31233	ug/L	09/18/10	20:36	
CCV	Mo	505.41931	507.24771	503.59094	0.51160	ug/L	09/18/10	20:36	
CCV	Na	7633.01953	7542.64697	7723.39208	1.67438	ug/L	09/18/10	20:36	
CCV	Ni	2495.33959	2496.89624	2493.78295	0.08822	ug/L	09/18/10	20:36	
CCV	Pb	507.78289	506.27395	509.29187	0.42025	ug/L	09/18/10	20:36	
CCV	Se	5069.83691	5083.00537	5056.66894	0.36732	ug/L	09/18/10	20:36	
CCV	Sb	491.77151	492.75662	490.78640	0.28329	ug/L	09/18/10	20:36	
CCV	Sn	5000.33886	5010.04492	4990.63330	0.27450	ug/L	09/18/10	20:36	
CCV	Sr	2528.36889	2530.32666	2526.41113	0.10950	ug/L	09/18/10	20:36	
CCV	Ti	490.90612	491.15209	490.66015	0.07086	ug/L	09/18/10	20:36	
CCV	Tl	5086.00878	5095.95068	5076.06738	0.27643	ug/L	09/18/10	20:36	
CCV	V	4899.28955	4910.33544	4888.24365	0.31884	ug/L	09/18/10	20:36	
CCV	Zn	2502.50732	2508.10571	2496.90869	0.31638	ug/L	09/18/10	20:36	
CCV	2203/1	503.88464	502.24816	505.52108	0.45929	ug/L	09/18/10	20:36	
CCV	2203/2	509.72488	508.27960	511.17016	0.40098	ug/L	09/18/10	20:36	
CCV	1960/1	4972.70312	4975.51757	4969.88818	0.08004	ug/L	09/18/10	20:36	
CCV	1960/2	5118.33203	5136.66894	5099.99462	0.50666	ug/L	09/18/10	20:36	
CCV	Y	974.08465	975.71716	972.45214	0.23701		09/18/10	20:36	
CCB	Ag	0.07606	-0.36165	0.51379	813.78289	ug/L	09/18/10	20:41	
CCB	Al	16.55477	15.15504	17.95450	11.95738	ug/L	09/18/10	20:41	
CCB	2Al	0.01655	0.01515	0.01795	11.95734	mg/L	09/18/10	20:41	
CCB	As	-0.37820	-1.09115	0.33473	266.58599	ug/L	09/18/10	20:41	
CCB	B	155.89608	168.11788	143.67430	11.08701	ug/L	09/18/10	20:41	
CCB	Ba	0.37995	0.07900	0.68091	112.01657	ug/L	09/18/10	20:41	
CCB	Be	0.03154	0.00723	0.05585	108.97931	ug/L	09/18/10	20:41	
CCB	Ca	-0.07173	-1.95188	1.80841	3706.56274	ug/L	09/18/10	20:41	
CCB	Cd	0.25840	0.20320	0.31360	30.20822	ug/L	09/18/10	20:41	
CCB	Co	0.08705	0.48920	-0.31510	653.32403	ug/L	09/18/10	20:41	
CCB	Cr	1.04767	0.75925	1.33609	38.93291	ug/L	09/18/10	20:41	
CCB	Cu	-0.17635	-0.47118	0.11847	236.42781	ug/L	09/18/10	20:41	
CCB	Fe	5.39337	8.53350	2.25323	82.33850	ug/L	09/18/10	20:41	
CCB	2Fe	0.00539	0.00853	0.00225	82.33857	mg/L	09/18/10	20:41	
CCB	K	-5.40142	-4.83418	-5.96865	14.85144	ug/L	09/18/10	20:41	
CCB	Mg	-0.05341	1.33037	-1.43720	3663.72021	ug/L	09/18/10	20:41	
CCB	2Mg	-0.00005	0.00132	-0.00143	3611.55468	mg/L	09/18/10	20:41	
CCB	Mn	0.44629	0.11442	0.77816	105.16164	ug/L	09/18/10	20:41	
CCB	Mo	-0.73077	0.51801	-1.97957	241.66893	ug/L	09/18/10	20:41	
CCB	Na	-137.71734	-215.21260	-60.22207	79.57955	ug/L	09/18/10	20:41	
CCB	Ni	1.00543	0.23312	1.77774	108.63020	ug/L	09/18/10	20:41	
CCB	Pb	1.18030	0.62389	1.73672	66.66834	ug/L	09/18/10	20:41	
CCB	Se	7.94026	8.87588	7.00464	16.66398	ug/L	09/18/10	20:41	
CCB	Sb	4.21371	4.62097	3.80646	13.66843	ug/L	09/18/10	20:41	
CCB	Sn	1.21396	-0.23441	2.66235	168.72988	ug/L	09/18/10	20:41	
CCB	Sr	0.22430	0.08388	0.36472	88.53564	ug/L	09/18/10	20:41	
CCB	Ti	0.18619	0.27276	0.09961	65.75615	ug/L	09/18/10	20:41	
CCB	Tl	5.54086	6.50356	4.57817	24.57107	ug/L	09/18/10	20:41	
CCB	V	0.41193	-0.51278	1.33665	317.46585	ug/L	09/18/10	20:41	
CCB	Zn	0.43103	0.62714	0.23492	64.34383	ug/L	09/18/10	20:41	
CCB	2203/1	-0.55183	-1.06917	-0.03449	132.57998	ug/L	09/18/10	20:41	
CCB	2203/2	2.04508	1.46915	2.62101	39.82636	ug/L	09/18/10	20:41	
CCB	1960/1	1.13769	0.74885	1.52654	48.33502	ug/L	09/18/10	20:41	
CCB	1960/2	11.33644	12.93330	9.73959	19.92067	ug/L	09/18/10	20:41	
CCB	Y	972.23388	972.68786	971.77990	0.06603		09/18/10	20:41	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61124-4	Ag	0.14995	-0.26543	0.56535	391.74908	ug/L	09/18/10	20:47	
61124-4	Al	128.66221	122.54413	134.78030	6.72480	ug/L	09/18/10	20:47	
61124-4	2Al	0.12867	0.12255	0.13479	6.72479	mg/L	09/18/10	20:47	
61124-4	As	5.42114	5.85995	4.98234	11.44710	ug/L	09/18/10	20:47	
61124-4	B	26039.69335	25973.62109	26105.76562	0.35883	ug/L	09/18/10	20:47	
61124-4	Ba	0.41538	0.41568	0.41507	0.10365	ug/L	09/18/10	20:47	
61124-4	Be	-0.01543	-0.01601	-0.01486	5.28414	ug/L	09/18/10	20:47	
61124-4	Ca	13756.71875	13737.55566	13775.88183	0.19699	ug/L	09/18/10	20:47	
61124-4	Cd	0.99522	1.05208	0.93836	8.07944	ug/L	09/18/10	20:47	
61124-4	Co	2.61792	2.30496	2.93088	16.90621	ug/L	09/18/10	20:47	
61124-4	Cr	2.25085	2.31048	2.19121	3.74688	ug/L	09/18/10	20:47	
61124-4	Cu	45.22354	45.19289	45.25419	0.09585	ug/L	09/18/10	20:47	
61124-4	Fe	2690.11914	2678.86840	2701.36962	0.59145	ug/L	09/18/10	20:47	
61124-4	2Fe	2.68992	2.67867	2.70117	0.59147	mg/L	09/18/10	20:47	
61124-4	K	9181.09179	9149.20703	9212.97753	0.49114	ug/L	09/18/10	20:47	
61124-4	Mg	5385.15429	5379.60644	5390.70166	0.14568	ug/L	09/18/10	20:47	
61124-4	2Mg	5.38318	5.37763	5.38872	0.14563	mg/L	09/18/10	20:47	
61124-4	Mn	45.89991	45.84811	45.95172	0.15961	ug/L	09/18/10	20:47	
61124-4	Mo	137.60784	135.90611	139.30957	1.74888	ug/L	09/18/10	20:47	
61124-4	Na	313870.84375	313345.03125	314396.65625	0.23691	ug/L	09/18/10	20:47	
61124-4	Ni	15.19685	15.67103	14.72267	4.41271	ug/L	09/18/10	20:47	
61124-4	Pb	33.35338	32.96038	33.74637	1.66634	ug/L	09/18/10	20:47	
61124-4	Se	-0.14162	-2.37951	2.09626	2234.67675	ug/L	09/18/10	20:47	
61124-4	Sb	8.39245	6.56683	10.21807	30.76350	ug/L	09/18/10	20:47	
61124-4	Sn	5.93431	5.59811	6.27051	8.01204	ug/L	09/18/10	20:47	
61124-4	Sr	120.94827	120.79505	121.10150	0.17916	ug/L	09/18/10	20:47	
61124-4	Ti	0.51192	0.51170	0.51214	0.06110	ug/L	09/18/10	20:47	
61124-4	Tl	1.16063	0.49692	1.82434	80.87155	ug/L	09/18/10	20:47	
61124-4	V	2.21866	1.44436	2.99297	49.35540	ug/L	09/18/10	20:47	
61124-4	Zn	237.85217	237.72718	237.97717	0.07431	ug/L	09/18/10	20:47	
61124-4	2203/1	34.23123	33.28546	35.17700	3.90732	ug/L	09/18/10	20:47	
61124-4	2203/2	32.91511	32.79808	33.03213	0.50280	ug/L	09/18/10	20:47	
61124-4	1960/1	1.79027	-2.91329	6.49384	371.55514	ug/L	09/18/10	20:47	
61124-4	1960/2	-1.10612	-2.11302	-0.09922	128.73562	ug/L	09/18/10	20:47	
61124-4	Y	966.88677	966.13165	967.64190	0.11044		09/18/10	20:47	
61173-1	Ag	0.22267	0.41829	0.02705	124.23822	ug/L	09/18/10	20:52	
61173-1	Al	22.51490	18.80779	26.22200	23.28516	ug/L	09/18/10	20:52	
61173-1	2Al	0.02251	0.01880	0.02622	23.28516	mg/L	09/18/10	20:52	
61173-1	As	-2.67289	-4.05787	-1.28790	73.27883	ug/L	09/18/10	20:52	
61173-1	B	170.34103	193.31005	147.37202	19.06944	ug/L	09/18/10	20:52	
61173-1	Ba	1.55131	1.47486	1.62775	6.96890	ug/L	09/18/10	20:52	
61173-1	Be	0.00266	0.01175	-0.00643	483.42214	ug/L	09/18/10	20:52	
61173-1	Ca	221.43803	220.77497	222.10108	0.42346	ug/L	09/18/10	20:52	
61173-1	Cd	0.05674	0.16608	-0.05259	272.50085	ug/L	09/18/10	20:52	
61173-1	Co	-0.23401	-0.38919	-0.07884	93.77575	ug/L	09/18/10	20:52	
61173-1	Cr	0.10903	0.22541	-0.00734	150.94876	ug/L	09/18/10	20:52	
61173-1	Cu	0.19851	0.43927	-0.04225	171.52595	ug/L	09/18/10	20:52	
61173-1	Fe	13.96319	20.40723	7.51914	65.26629	ug/L	09/18/10	20:52	
61173-1	2Fe	0.01396	0.02040	0.00751	65.26607	mg/L	09/18/10	20:52	
61173-1	K	35.48927	31.34991	39.62863	16.49495	ug/L	09/18/10	20:52	
61173-1	Mg	45.72032	45.83365	45.60698	0.35055	ug/L	09/18/10	20:52	
61173-1	2Mg	0.04570	0.04581	0.04559	0.34700	mg/L	09/18/10	20:52	
61173-1	Mn	1.30245	1.25949	1.34542	4.66514	ug/L	09/18/10	20:52	
61173-1	Mo	-0.18021	-0.36469	0.00426	144.76492	ug/L	09/18/10	20:52	
61173-1	Na	2047.44287	2068.13037	2026.75537	1.42893	ug/L	09/18/10	20:52	
61173-1	Ni	-0.85040	-1.73726	0.03646	147.48541	ug/L	09/18/10	20:52	
61173-1	Pb	2.32365	2.35135	2.29594	1.68593	ug/L	09/18/10	20:52	
61173-1	Se	2.78839	2.42254	3.15423	18.55476	ug/L	09/18/10	20:52	
61173-1	Sb	-1.25130	-3.05465	0.55204	203.81294	ug/L	09/18/10	20:52	
61173-1	Sn	0.81099	2.36508	-0.74308	271.00000	ug/L	09/18/10	20:52	
61173-1	Sr	3.43485	3.43001	3.43969	0.19943	ug/L	09/18/10	20:52	
61173-1	Ti	0.11185	0.10006	0.12363	14.90085	ug/L	09/18/10	20:52	
61173-1	Tl	-5.72097	-10.03146	-1.41047	106.55461	ug/L	09/18/10	20:52	
61173-1	V	0.46227	0.61819	0.30635	47.69869	ug/L	09/18/10	20:52	
61173-1	Zn	61119.64062	61132.77343	61106.50390	0.03039	ug/L	09/18/10	20:52	
61173-1	2203/1	0.73037	-2.14788	3.60863	557.31427	ug/L	09/18/10	20:52	
61173-1	2203/2	3.11909	4.59759	1.64059	67.03613	ug/L	09/18/10	20:52	
61173-1	1960/1	-1.93566	-2.14053	-1.73078	14.96811	ug/L	09/18/10	20:52	
61173-1	1960/2	5.14687	4.70066	5.59308	12.26049	ug/L	09/18/10	20:52	
61173-1	Y	970.99426	968.53234	973.45611	0.35856		09/18/10	20:52	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61181-1	Ag	0.05505	-0.16791	0.27802	572.74298	ug/L	09/18/10	20:57	
61181-1	Al	238.98165	241.02764	236.93566	1.21074	ug/L	09/18/10	20:57	
61181-1	2Al	0.23900	0.24105	0.23695	1.21074	mg/L	09/18/10	20:57	
61181-1	As	-1.24348	-1.80302	-0.68395	63.63573	ug/L	09/18/10	20:57	
61181-1	B	98.87870	104.79225	92.96515	8.45785	ug/L	09/18/10	20:57	
61181-1	Ba	32.02854	31.90175	32.15533	0.55983	ug/L	09/18/10	20:57	
61181-1	Be	0.00446	0.02782	-0.01890	740.67346	ug/L	09/18/10	20:57	
61181-1	Ca	6105.87890	6093.22949	6118.52880	0.29298	ug/L	09/18/10	20:57	
61181-1	Cd	-0.15335	0.07734	-0.38405	212.74305	ug/L	09/18/10	20:57	
61181-1	Co	-0.52007	-0.70054	-0.33960	49.07412	ug/L	09/18/10	20:57	
61181-1	Cr	0.58235	0.93024	0.23445	84.48442	ug/L	09/18/10	20:57	
61181-1	Cu	1.80802	2.32894	1.28710	40.74580	ug/L	09/18/10	20:57	
61181-1	Fe	74.77317	66.98017	82.56617	14.73919	ug/L	09/18/10	20:57	
61181-1	2Fe	0.07476	0.06697	0.08256	14.73931	mg/L	09/18/10	20:57	
61181-1	K	2033.38061	2031.29553	2035.46582	0.14502	ug/L	09/18/10	20:57	
61181-1	Mg	3250.98291	3254.94653	3247.01928	0.17242	ug/L	09/18/10	20:57	
61181-1	2Mg	3.25005	3.25401	3.24609	0.17248	mg/L	09/18/10	20:57	
61181-1	Mn	8.20330	8.17141	8.23519	0.54977	ug/L	09/18/10	20:57	
61181-1	Mo	-0.00006	0.97061	-0.97074	2105195.75000	ug/L	09/18/10	20:57	
61181-1	Na	6021.64941	5923.26367	6120.03515	2.31063	ug/L	09/18/10	20:57	
61181-1	Ni	3.18487	2.70105	3.66870	21.48381	ug/L	09/18/10	20:57	
61181-1	Pb	1.13925	2.22022	0.05828	134.18656	ug/L	09/18/10	20:57	
61181-1	Se	3.69133	4.28399	3.09866	22.70606	ug/L	09/18/10	20:57	
61181-1	Sb	1.35591	2.28434	0.42747	96.83601	ug/L	09/18/10	20:57	
61181-1	Sn	-1.03198	-1.21855	-0.84541	25.56737	ug/L	09/18/10	20:57	
61181-1	Sr	214.66795	214.01353	215.32237	0.43112	ug/L	09/18/10	20:57	
61181-1	Ti	0.05446	0.01193	0.09700	110.43737	ug/L	09/18/10	20:57	
61181-1	Tl	-1.27431	-4.04147	1.49285	307.09609	ug/L	09/18/10	20:57	
61181-1	V	0.69588	0.77627	0.61549	16.33768	ug/L	09/18/10	20:57	
61181-1	Zn	22.16705	22.29780	22.03629	0.83419	ug/L	09/18/10	20:57	
61181-1	2203/1	4.24506	4.41481	4.07532	5.65485	ug/L	09/18/10	20:57	
61181-1	2203/2	-0.41129	1.12464	-1.94722	528.12579	ug/L	09/18/10	20:57	
61181-1	1960/1	0.57199	-2.07912	3.22311	655.47113	ug/L	09/18/10	20:57	
61181-1	1960/2	5.24864	7.46074	3.03653	59.60378	ug/L	09/18/10	20:57	
61181-1	Y	956.44134	959.41827	953.46441	0.44017		09/18/10	20:57	
61181-2	Ag	-0.02178	-0.36262	0.31905	2212.81518	ug/L	09/18/10	21:02	
61181-2	Al	246.87210	246.44468	247.29949	0.24484	ug/L	09/18/10	21:02	
61181-2	2Al	0.24689	0.24646	0.24732	0.24484	mg/L	09/18/10	21:02	
61181-2	As	-3.58621	-1.48152	-5.69089	82.99780	ug/L	09/18/10	21:02	
61181-2	B	69.86509	74.00634	65.72385	8.38272	ug/L	09/18/10	21:02	
61181-2	Ba	59.30161	59.26713	59.33609	0.08222	ug/L	09/18/10	21:02	
61181-2	Be	0.00924	0.01876	-0.00028	145.78793	ug/L	09/18/10	21:02	
61181-2	Ca	1839.73364	1840.49157	1838.97570	0.05826	ug/L	09/18/10	21:02	
61181-2	Cd	-0.28540	-0.27164	-0.29917	6.82059	ug/L	09/18/10	21:02	
61181-2	Co	-0.28996	0.22337	-0.80329	250.36520	ug/L	09/18/10	21:02	
61181-2	Cr	0.09037	0.41765	-0.23691	512.16735	ug/L	09/18/10	21:02	
61181-2	Cu	11.04520	11.22430	10.86610	2.29320	ug/L	09/18/10	21:02	
61181-2	Fe	17.10894	-12.71362	46.93150	246.51132	ug/L	09/18/10	21:02	
61181-2	2Fe	0.01710	-0.01271	0.04692	246.51022	mg/L	09/18/10	21:02	
61181-2	K	1641.61730	1638.43579	1644.79882	0.27408	ug/L	09/18/10	21:02	
61181-2	Mg	937.98400	940.93829	935.02966	0.44542	ug/L	09/18/10	21:02	
61181-2	2Mg	0.93771	0.94067	0.93475	0.44622	mg/L	09/18/10	21:02	
61181-2	Mn	1.57178	1.65036	1.49319	7.07061	ug/L	09/18/10	21:02	
61181-2	Mo	-2.53652	-3.97551	-1.09753	80.22942	ug/L	09/18/10	21:02	
61181-2	Na	3439.22900	3515.32958	3363.12841	3.12926	ug/L	09/18/10	21:02	
61181-2	Ni	1.09009	1.18648	0.99370	12.50523	ug/L	09/18/10	21:02	
61181-2	Pb	1.71860	0.17327	3.26392	127.16266	ug/L	09/18/10	21:02	
61181-2	Se	2.61683	-0.41729	5.65095	163.97332	ug/L	09/18/10	21:02	
61181-2	Sb	-1.98652	-3.94124	-0.03181	139.15646	ug/L	09/18/10	21:02	
61181-2	Sn	0.49823	2.03096	-1.03449	435.05648	ug/L	09/18/10	21:02	
61181-2	Sr	16.76467	16.82032	16.70902	0.46944	ug/L	09/18/10	21:02	
61181-2	Ti	0.23293	0.26496	0.20090	19.44555	ug/L	09/18/10	21:02	
61181-2	Tl	0.62914	-3.94863	5.20692	1029.00305	ug/L	09/18/10	21:02	
61181-2	V	0.66656	0.82278	0.51035	33.14340	ug/L	09/18/10	21:02	
61181-2	Zn	23.16644	23.20623	23.12664	0.24291	ug/L	09/18/10	21:02	
61181-2	2203/1	1.63620	-3.71301	6.98542	462.34631	ug/L	09/18/10	21:02	
61181-2	2203/2	1.75973	2.11350	1.40596	28.43080	ug/L	09/18/10	21:02	
61181-2	1960/1	-1.75889	-4.44922	0.93143	216.31185	ug/L	09/18/10	21:02	
61181-2	1960/2	4.80141	1.59564	8.00718	94.42301	ug/L	09/18/10	21:02	
61181-2	Y	970.47485	968.84667	972.10296	0.23725		09/18/10	21:02	

0091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 179841	Ag	-0.19259	-0.74726	0.36207	407.29837	ug/L	09/18/10	21:07	
PBW 179841	Al	9.68619	4.44159	14.93080	76.57274	ug/L	09/18/10	21:07	
PBW 179841	2Al	0.00968	0.00444	0.01493	76.57274	mg/L	09/18/10	21:07	
PBW 179841	As	-1.14283	-1.61119	-0.67447	57.95771	ug/L	09/18/10	21:07	
PBW 179841	B	35.90798	37.38782	34.42814	5.82825	ug/L	09/18/10	21:07	
PBW 179841	Ba	-0.27251	-0.21374	-0.33128	30.49926	ug/L	09/18/10	21:07	
PBW 179841	Be	-0.00913	-0.00388	-0.01439	81.31217	ug/L	09/18/10	21:07	
PBW 179841	Ca	21.97586	21.63562	22.31610	2.18955	ug/L	09/18/10	21:07	
PBW 179841	Cd	-0.37660	-0.13520	-0.61800	90.64844	ug/L	09/18/10	21:07	
PBW 179841	Co	0.05986	0.22781	-0.10808	396.73339	ug/L	09/18/10	21:07	
PBW 179841	Cr	0.00976	0.25795	-0.23842	3593.69140	ug/L	09/18/10	21:07	
PBW 179841	Cu	-0.68020	-0.36844	-0.99195	64.81743	ug/L	09/18/10	21:07	
PBW 179841	Fe	-3.15712	-15.81806	9.50381	567.13867	ug/L	09/18/10	21:07	
PBW 179841	2Fe	-0.00315	-0.01581	0.00950	567.13391	mg/L	09/18/10	21:07	
PBW 179841	K	-18.22466	-26.64634	-9.80298	65.35131	ug/L	09/18/10	21:07	
PBW 179841	Mg	1.32778	1.32565	1.32992	0.22752	ug/L	09/18/10	21:07	
PBW 179841	2Mg	0.00132	0.00132	0.00132	0.01023	mg/L	09/18/10	21:07	
PBW 179841	Mn	0.04342	0.05543	0.03141	39.12352	ug/L	09/18/10	21:07	
PBW 179841	Mo	-0.35863	-0.14147	-0.57578	85.63161	ug/L	09/18/10	21:07	
PBW 179841	Na	-131.37635	-154.05941	-108.69329	24.41740	ug/L	09/18/10	21:07	
PBW 179841	Ni	-0.90596	-0.64953	-1.16239	40.02898	ug/L	09/18/10	21:07	
PBW 179841	Pb	1.76431	0.62367	2.90496	91.43009	ug/L	09/18/10	21:07	
PBW 179841	Se	-1.31888	-3.55796	0.92018	240.09126	ug/L	09/18/10	21:07	
PBW 179841	Sb	-1.62224	-3.81800	0.57350	191.41778	ug/L	09/18/10	21:07	
PBW 179841	Sn	-1.50180	1.13309	-4.13670	248.12220	ug/L	09/18/10	21:07	
PBW 179841	Sr	-0.01563	-0.00532	-0.02593	93.26661	ug/L	09/18/10	21:07	
PBW 179841	Ti	0.16716	0.03764	0.29668	109.57093	ug/L	09/18/10	21:07	
PBW 179841	Tl	-0.42953	-0.92944	0.07037	164.59059	ug/L	09/18/10	21:07	
PBW 179841	V	-0.30854	-0.25740	-0.35968	23.43859	ug/L	09/18/10	21:07	
PBW 179841	Zn	1.23196	1.12521	1.33871	12.25391	ug/L	09/18/10	21:07	
PBW 179841	2203/1	-0.03190	-5.57281	5.50900	24560.91992	ug/L	09/18/10	21:07	
PBW 179841	2203/2	2.66108	3.71726	1.60489	56.13032	ug/L	09/18/10	21:07	
PBW 179841	1960/1	-4.84900	-13.42069	3.72268	249.99342	ug/L	09/18/10	21:07	
PBW 179841	1960/2	0.44352	1.36601	-0.47895	294.13940	ug/L	09/18/10	21:07	
PBW 179841	Y	980.55798	977.67266	983.44323	0.41613		09/18/10	21:07	
LCSW-1	Ag	50.18875	49.76407	50.61343	1.19665	ug/L	09/18/10	21:12	
LCSW-1	Al	1966.35205	1948.67761	1984.02648	1.27115	ug/L	09/18/10	21:12	
LCSW-1	2Al	1.96654	1.94886	1.98421	1.27115	mg/L	09/18/10	21:12	
LCSW-1	As	2055.27685	2034.10986	2076.44384	1.45647	ug/L	09/18/10	21:12	
LCSW-1	B	1055.16015	1045.93444	1064.38598	1.23651	ug/L	09/18/10	21:12	
LCSW-1	Ba	2035.76489	2020.70996	2050.81982	1.04584	ug/L	09/18/10	21:12	
LCSW-1	Be	50.68597	50.25055	51.12139	1.21489	ug/L	09/18/10	21:12	
LCSW-1	Ca	5032.98046	4995.41357	5070.54736	1.05558	ug/L	09/18/10	21:12	
LCSW-1	Cd	52.25025	52.00820	52.49230	0.65514	ug/L	09/18/10	21:12	
LCSW-1	Co	508.97479	505.61672	512.33288	0.93305	ug/L	09/18/10	21:12	
LCSW-1	Cr	205.94882	204.43252	207.46510	1.04120	ug/L	09/18/10	21:12	
LCSW-1	Cu	246.79046	245.32519	248.25575	0.83966	ug/L	09/18/10	21:12	
LCSW-1	Fe	986.54907	973.19555	999.90252	1.91421	ug/L	09/18/10	21:12	
LCSW-1	2Fe	0.98669	0.97333	1.00004	1.91402	mg/L	09/18/10	21:12	
LCSW-1	K	5134.20361	5107.42187	5160.98535	0.73770	ug/L	09/18/10	21:12	
LCSW-1	Mg	5127.06542	5090.90478	5163.22558	0.99742	ug/L	09/18/10	21:12	
LCSW-1	2Mg	5.12567	5.08952	5.16182	0.99740	mg/L	09/18/10	21:12	
LCSW-1	Mn	511.47161	507.58203	515.36120	1.07546	ug/L	09/18/10	21:12	
LCSW-1	Mo	518.33605	512.58093	524.09118	1.57021	ug/L	09/18/10	21:12	
LCSW-1	Na	4815.45507	4796.68212	4834.22753	0.55132	ug/L	09/18/10	21:12	
LCSW-1	Ni	511.67004	507.88369	515.45642	1.04651	ug/L	09/18/10	21:12	
LCSW-1	Pb	517.55511	510.32864	524.78161	1.97462	ug/L	09/18/10	21:12	
LCSW-1	Se	2087.93359	2070.41430	2105.45312	1.18663	ug/L	09/18/10	21:12	
LCSW-1	Sb	491.45895	486.55133	496.36657	1.41220	ug/L	09/18/10	21:12	
LCSW-1	Sn	1031.11315	1023.64129	1038.58508	1.02480	ug/L	09/18/10	21:12	
LCSW-1	Sr	526.56005	523.78735	529.33282	0.74469	ug/L	09/18/10	21:12	
LCSW-1	Ti	702.95593	696.53771	709.37414	1.29122	ug/L	09/18/10	21:12	
LCSW-1	Tl	2153.91210	2131.84912	2175.97509	1.44860	ug/L	09/18/10	21:12	
LCSW-1	V	498.18988	493.71670	502.66302	1.26979	ug/L	09/18/10	21:12	
LCSW-1	Zn	516.70312	512.66210	520.74414	1.10602	ug/L	09/18/10	21:12	
LCSW-1	2203/1	511.83746	506.25018	517.42474	1.54377	ug/L	09/18/10	21:12	
LCSW-1	2203/2	520.40966	512.36480	528.45452	2.18619	ug/L	09/18/10	21:12	
LCSW-1	1960/1	2048.37158	2036.44445	2060.29882	0.82346	ug/L	09/18/10	21:12	
LCSW-1	1960/2	2107.68457	2087.37329	2127.99584	1.36284	ug/L	09/18/10	21:12	
LCSW-1	Y	975.50769	981.86309	969.15222	0.92136		09/18/10	21:12	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61090-1	Ag	0.31931	-0.16721	0.80584	215.48109	ug/L	09/18/10	21:18	
61090-1	Al	37.51176	40.20558	34.81794	10.15584	ug/L	09/18/10	21:18	
61090-1	2Al	0.03751	0.04020	0.03482	10.15583	mg/L	09/18/10	21:18	
61090-1	As	-0.83104	-2.21309	0.55101	235.18966	ug/L	09/18/10	21:18	
61090-1	B	242.02661	240.79914	243.25405	0.71722	ug/L	09/18/10	21:18	
61090-1	Ba	161.88436	161.68080	162.08793	0.17783	ug/L	09/18/10	21:18	
61090-1	Be	0.07943	0.07983	0.07903	0.71909	ug/L	09/18/10	21:18	
61090-1	Ca	61753.29687	61783.11718	61723.48046	0.06828	ug/L	09/18/10	21:18	
61090-1	Cd	-0.32452	-0.40946	-0.23957	37.01791	ug/L	09/18/10	21:18	
61090-1	Co	0.07620	-0.14333	0.29573	407.44506	ug/L	09/18/10	21:18	
61090-1	Cr	1.39199	1.21807	1.56591	17.66956	ug/L	09/18/10	21:18	
61090-1	Cu	-0.02638	0.32975	-0.38251	1909.09326	ug/L	09/18/10	21:18	
61090-1	Fe	3722.74267	3718.70190	3726.78320	0.15349	ug/L	09/18/10	21:18	
61090-1	2Fe	3.72246	3.71842	3.72650	0.15349	mg/L	09/18/10	21:18	
61090-1	K	4004.03564	3982.70898	4025.36254	0.75325	ug/L	09/18/10	21:18	
61090-1	Mg	28733.07031	28736.35937	28729.77929	0.01619	ug/L	09/18/10	21:18	
61090-1	2Mg	28.72640	28.73107	28.72172	0.02301	mg/L	09/18/10	21:18	
61090-1	Mn	7607.49609	7609.89550	7605.09667	0.04460	ug/L	09/18/10	21:18	
61090-1	Mo	28.60292	28.54329	28.66256	0.29484	ug/L	09/18/10	21:18	
61090-1	Na	61918.03906	61759.63671	62076.44531	0.36179	ug/L	09/18/10	21:18	
61090-1	Ni	2.91107	3.72657	2.09557	39.61733	ug/L	09/18/10	21:18	
61090-1	Pb	-0.32596	0.10134	-0.75327	185.38902	ug/L	09/18/10	21:18	
61090-1	Se	5.14658	5.23527	5.05788	2.43717	ug/L	09/18/10	21:18	
61090-1	Sb	-0.05761	-0.50202	0.38680	1090.91430	ug/L	09/18/10	21:18	
61090-1	Sn	-4.33679	-0.95437	-7.71921	110.29943	ug/L	09/18/10	21:18	
61090-1	Sr	602.06274	602.64294	601.48260	0.13627	ug/L	09/18/10	21:18	
61090-1	Ti	0.23733	0.24897	0.22569	6.93699	ug/L	09/18/10	21:18	
61090-1	Tl	8.07238	8.41726	7.72750	6.04199	ug/L	09/18/10	21:18	
61090-1	V	-1.87749	-1.89125	-1.86374	1.03594	ug/L	09/18/10	21:18	
61090-1	Zn	7.79814	7.81953	7.77676	0.38780	ug/L	09/18/10	21:18	
61090-1	2203/1	-1.77516	-3.97937	0.42903	175.60140	ug/L	09/18/10	21:18	
61090-1	2203/2	0.39754	2.13864	-1.34354	619.36230	ug/L	09/18/10	21:18	
61090-1	1960/1	6.83075	6.41462	7.24688	8.61537	ug/L	09/18/10	21:18	
61090-1	1960/2	4.30575	4.64648	3.96502	11.19105	ug/L	09/18/10	21:18	
61090-1	Y	972.39538	973.17675	971.61407	0.11363		09/18/10	21:18	
61093-1	Ag	0.17526	-0.26526	0.61579	355.45803	ug/L	09/18/10	21:23	
61093-1	Al	426.03466	427.11505	424.95428	0.35863	ug/L	09/18/10	21:23	
61093-1	2Al	0.42607	0.42715	0.42499	0.35863	mg/L	09/18/10	21:23	
61093-1	As	1.86180	2.93333	0.79028	81.39189	ug/L	09/18/10	21:23	
61093-1	B	83.79459	84.51212	83.07706	1.21098	ug/L	09/18/10	21:23	
61093-1	Ba	24.09220	24.02339	24.16102	0.40392	ug/L	09/18/10	21:23	
61093-1	Be	0.02870	0.02913	0.02828	2.10129	ug/L	09/18/10	21:23	
61093-1	Ca	62519.98437	62579.53515	62460.43359	0.13470	ug/L	09/18/10	21:23	
61093-1	Cd	-0.05773	-0.03879	-0.07667	46.39258	ug/L	09/18/10	21:23	
61093-1	Co	0.49707	0.98671	0.00743	139.30726	ug/L	09/18/10	21:23	
61093-1	Cr	0.84346	1.11235	0.57456	45.08449	ug/L	09/18/10	21:23	
61093-1	Cu	8.10134	7.95847	8.24422	2.49407	ug/L	09/18/10	21:23	
61093-1	Fe	494.16116	488.34848	499.97384	1.66350	ug/L	09/18/10	21:23	
61093-1	2Fe	0.49412	0.48831	0.49993	1.66341	mg/L	09/18/10	21:23	
61093-1	K	2799.65380	2790.92431	2808.38330	0.44096	ug/L	09/18/10	21:23	
61093-1	Mg	27688.80273	27722.30859	27655.29687	0.17113	ug/L	09/18/10	21:23	
61093-1	2Mg	27.68091	27.71440	27.64741	0.17113	mg/L	09/18/10	21:23	
61093-1	Mn	24.40586	23.94453	24.86719	2.67319	ug/L	09/18/10	21:23	
61093-1	Mo	59.47620	58.24051	60.71190	2.93821	ug/L	09/18/10	21:23	
61093-1	Na	11677.24609	11650.79980	11703.69335	0.32029	ug/L	09/18/10	21:23	
61093-1	Ni	20.16924	19.34806	20.99041	5.75785	ug/L	09/18/10	21:23	
61093-1	Pb	-0.41996	0.76522	-1.60515	399.10769	ug/L	09/18/10	21:23	
61093-1	Se	3.32115	2.75324	3.88906	24.18256	ug/L	09/18/10	21:23	
61093-1	Sb	4.43141	4.43409	4.42873	0.08540	ug/L	09/18/10	21:23	
61093-1	Sn	-0.31433	0.61547	-1.24414	418.32662	ug/L	09/18/10	21:23	
61093-1	Sr	72.92720	72.96797	72.88642	0.07907	ug/L	09/18/10	21:23	
61093-1	Ti	0.39113	0.31605	0.46621	27.14630	ug/L	09/18/10	21:23	
61093-1	Tl	1.24468	-2.28108	4.77046	400.59826	ug/L	09/18/10	21:23	
61093-1	V	-0.02713	-0.22494	0.17066	1030.85705	ug/L	09/18/10	21:23	
61093-1	Zn	4.98954	5.32466	4.65442	9.49845	ug/L	09/18/10	21:23	
61093-1	2203/1	-2.22029	-3.06222	-1.37837	53.62644	ug/L	09/18/10	21:23	
61093-1	2203/2	0.47885	2.67608	-1.71837	648.91632	ug/L	09/18/10	21:23	
61093-1	1960/1	-3.77204	-3.99464	-3.54945	8.34545	ug/L	09/18/10	21:23	
61093-1	1960/2	6.86244	6.12213	7.60274	15.25619	ug/L	09/18/10	21:23	
61093-1	Y	966.42846	967.30145	965.55541	0.12775		09/18/10	21:23	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61130-1	Ag	-0.48389	-0.84914	-0.11863	106.74780	ug/L	09/18/10	21:28	
61130-1	Al	104.18800	102.76136	105.61463	1.93647	ug/L	09/18/10	21:28	
61130-1	2Al	0.10419	0.10277	0.10562	1.93645	mg/L	09/18/10	21:28	
61130-1	As	-2.53307	-4.26075	-0.80540	96.45581	ug/L	09/18/10	21:28	
61130-1	B	59.36431	60.11026	58.61837	1.77704	ug/L	09/18/10	21:28	
61130-1	Ba	17.03260	16.97576	17.08943	0.47189	ug/L	09/18/10	21:28	
61130-1	Be	0.00037	-0.01532	0.01607	5972.81201	ug/L	09/18/10	21:28	
61130-1	Ca	1478.06494	1480.07727	1476.05261	0.19253	ug/L	09/18/10	21:28	
61130-1	Cd	-0.28280	-0.32571	-0.23989	21.45799	ug/L	09/18/10	21:28	
61130-1	Co	-0.05634	-0.16379	0.05110	269.68972	ug/L	09/18/10	21:28	
61130-1	Cr	1.10331	1.10684	1.09978	0.45193	ug/L	09/18/10	21:28	
61130-1	Cu	0.37169	0.70348	0.03990	126.23991	ug/L	09/18/10	21:28	
61130-1	Fe	905.96496	898.71520	913.21472	1.13168	ug/L	09/18/10	21:28	
61130-1	2Fe	0.90589	0.89864	0.91314	1.13171	mg/L	09/18/10	21:28	
61130-1	K	1285.17968	1269.25329	1301.10595	1.75253	ug/L	09/18/10	21:28	
61130-1	Mg	316.03610	318.21945	313.85275	0.97701	ug/L	09/18/10	21:28	
61130-1	2Mg	0.31581	0.31799	0.31363	0.97801	mg/L	09/18/10	21:28	
61130-1	Mn	59.67258	59.77832	59.56684	0.25059	ug/L	09/18/10	21:28	
61130-1	Mo	-1.21172	-3.37914	0.95569	252.96110	ug/L	09/18/10	21:28	
61130-1	Na	50572.43750	50415.68359	50729.19140	0.43834	ug/L	09/18/10	21:28	
61130-1	Ni	-0.14319	-0.14693	-0.13945	3.69394	ug/L	09/18/10	21:28	
61130-1	Pb	0.68035	0.73495	0.62575	11.34893	ug/L	09/18/10	21:28	
61130-1	Se	-0.16330	-0.70589	0.37927	469.86752	ug/L	09/18/10	21:28	
61130-1	Sb	-2.75888	-2.89452	-2.62323	6.95338	ug/L	09/18/10	21:28	
61130-1	Sn	-4.37472	-4.40773	-4.34171	1.06721	ug/L	09/18/10	21:28	
61130-1	Sr	29.48066	29.57642	29.38489	0.45938	ug/L	09/18/10	21:28	
61130-1	Ti	0.27406	0.32748	0.22065	27.56121	ug/L	09/18/10	21:28	
61130-1	Tl	0.62643	-0.69342	1.94628	297.96597	ug/L	09/18/10	21:28	
61130-1	V	-0.79532	-1.61906	0.02842	146.47517	ug/L	09/18/10	21:28	
61130-1	Zn	22.17372	21.97807	22.36937	1.24782	ug/L	09/18/10	21:28	
61130-1	2203/1	-4.18601	-7.64505	-0.72697	116.86095	ug/L	09/18/10	21:28	
61130-1	2203/2	3.10989	4.91867	1.30111	82.25379	ug/L	09/18/10	21:28	
61130-1	1960/1	-5.95396	-3.84564	-8.06227	50.07773	ug/L	09/18/10	21:28	
61130-1	1960/2	2.72767	0.86162	4.59373	96.74895	ug/L	09/18/10	21:28	
61130-1	Y	973.23785	970.75854	975.71716	0.36026		09/18/10	21:28	
61130-1L	Ag	-0.06979	-0.35982	0.22024	587.71936	ug/L	09/18/10	21:33	
61130-1L	Al	26.39227	21.68472	31.09982	25.22512	ug/L	09/18/10	21:33	
61130-1L	2Al	0.02639	0.02168	0.03110	25.22509	mg/L	09/18/10	21:33	
61130-1L	As	0.70896	-2.01894	3.43687	544.14978	ug/L	09/18/10	21:33	
61130-1L	B	20.75506	21.71913	19.79098	6.56904	ug/L	09/18/10	21:33	
61130-1L	Ba	2.72919	2.71766	2.74072	0.59737	ug/L	09/18/10	21:33	
61130-1L	Be	-0.02815	-0.02353	-0.03278	23.23632	ug/L	09/18/10	21:33	
61130-1L	Ca	263.04876	277.29272	248.80482	7.65789	ug/L	09/18/10	21:33	
61130-1L	Cd	-0.31070	-0.61938	-0.00202	140.50143	ug/L	09/18/10	21:33	
61130-1L	Co	-0.96868	-1.00591	-0.93146	5.43470	ug/L	09/18/10	21:33	
61130-1L	Cr	-0.21892	-0.20032	-0.23753	12.01828	ug/L	09/18/10	21:33	
61130-1L	Cu	-0.91521	-1.39863	-0.43179	74.69893	ug/L	09/18/10	21:33	
61130-1L	Fe	156.47473	160.39796	152.55149	3.54580	ug/L	09/18/10	21:33	
61130-1L	2Fe	0.15646	0.16038	0.15253	3.54571	mg/L	09/18/10	21:33	
61130-1L	K	183.80209	178.66975	188.93443	3.94893	ug/L	09/18/10	21:33	
61130-1L	Mg	53.73772	56.40180	51.07365	7.01103	ug/L	09/18/10	21:33	
61130-1L	2Mg	0.05369	0.05636	0.05103	7.01295	mg/L	09/18/10	21:33	
61130-1L	Mn	10.53209	11.17736	9.88681	8.66453	ug/L	09/18/10	21:33	
61130-1L	Mo	-2.18481	-2.18073	-2.18890	0.26463	ug/L	09/18/10	21:33	
61130-1L	Na	8620.77148	9405.36230	7836.18115	12.87098	ug/L	09/18/10	21:33	
61130-1L	Ni	-0.70949	-0.71585	-0.70313	1.26803	ug/L	09/18/10	21:33	
61130-1L	Pb	-0.83919	-2.14420	0.46581	219.92117	ug/L	09/18/10	21:33	
61130-1L	Se	1.74916	0.92152	2.57680	66.91537	ug/L	09/18/10	21:33	
61130-1L	Sb	-2.82767	-4.82043	-0.83490	99.66484	ug/L	09/18/10	21:33	
61130-1L	Sn	-1.63127	-6.61721	3.35466	432.24923	ug/L	09/18/10	21:33	
61130-1L	Sr	5.14254	5.42558	4.85949	7.78381	ug/L	09/18/10	21:33	
61130-1L	Ti	0.05058	0.06223	0.03893	32.56505	ug/L	09/18/10	21:33	
61130-1L	Tl	0.14214	1.53151	-1.24723	1382.35144	ug/L	09/18/10	21:33	
61130-1L	V	-0.93605	-1.90465	0.03255	146.33912	ug/L	09/18/10	21:33	
61130-1L	Zn	4.86871	4.80355	4.93387	1.89271	ug/L	09/18/10	21:33	
61130-1L	2203/1	-2.11924	-5.72645	1.48797	240.71693	ug/L	09/18/10	21:33	
61130-1L	2203/2	-0.20012	-0.35576	-0.04449	109.97962	ug/L	09/18/10	21:33	
61130-1L	1960/1	-7.19778	-8.84363	-5.55192	32.33766	ug/L	09/18/10	21:33	
61130-1L	1960/2	6.21593	5.79678	6.63507	9.53617	ug/L	09/18/10	21:33	
61130-1L	Y	978.29687	980.06469	976.52905	0.25555		09/18/10	21:33	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	484.27264	481.94323	486.60208	0.68025	ug/L	09/18/10	21:38	
CCV	Al	4793.04980	4779.74462	4806.35546	0.39258	ug/L	09/18/10	21:38	
CCV	2Al	4.79327	4.78017	4.80638	0.38658	mg/L	09/18/10	21:38	
CCV	As	496.87213	494.39538	499.34890	0.70494	ug/L	09/18/10	21:38	
CCV	B	4888.49511	4863.88232	4913.10742	0.71202	ug/L	09/18/10	21:38	
CCV	Ba	4882.45947	4872.15478	4892.76416	0.29847	ug/L	09/18/10	21:38	
CCV	Be	492.24035	490.77639	493.70428	0.42059	ug/L	09/18/10	21:38	
CCV	Ca	4869.24511	4857.43017	4881.06005	0.34315	ug/L	09/18/10	21:38	
CCV	Cd	499.33538	497.41052	501.26022	0.54515	ug/L	09/18/10	21:38	
CCV	Co	488.48010	486.90957	490.05062	0.45468	ug/L	09/18/10	21:38	
CCV	Cr	4941.48193	4927.24414	4955.71972	0.40747	ug/L	09/18/10	21:38	
CCV	Cu	4830.31542	4816.37500	4844.25585	0.40814	ug/L	09/18/10	21:38	
CCV	Fe	4836.12792	4816.87841	4855.37744	0.56290	ug/L	09/18/10	21:38	
CCV	2Fe	4.83638	4.81713	4.85563	0.56289	mg/L	09/18/10	21:38	
CCV	K	9663.78710	9664.06640	9663.50683	0.00409	ug/L	09/18/10	21:38	
CCV	Mg	4944.21289	4926.95068	4961.47509	0.49375	ug/L	09/18/10	21:38	
CCV	2Mg	4.94422	4.92696	4.96148	0.49373	mg/L	09/18/10	21:38	
CCV	Mn	4933.48144	4916.95507	4950.00732	0.47373	ug/L	09/18/10	21:38	
CCV	Mo	498.93356	497.40390	500.46322	0.43357	ug/L	09/18/10	21:38	
CCV	Na	7283.72851	7221.03906	7346.41796	1.21718	ug/L	09/18/10	21:38	
CCV	Ni	2474.78759	2466.25805	2483.31738	0.48742	ug/L	09/18/10	21:38	
CCV	Pb	503.21862	501.11358	505.32363	0.59158	ug/L	09/18/10	21:38	
CCV	Se	5009.13134	4989.60449	5028.65820	0.55129	ug/L	09/18/10	21:38	
CCV	Sb	490.29107	487.58584	492.99633	0.78031	ug/L	09/18/10	21:38	
CCV	Sn	4969.23828	4951.95849	4986.51806	0.49177	ug/L	09/18/10	21:38	
CCV	Sr	2498.25244	2491.89233	2504.61230	0.36002	ug/L	09/18/10	21:38	
CCV	Ti	487.07254	485.72415	488.42092	0.39150	ug/L	09/18/10	21:38	
CCV	Tl	5025.02294	4996.32617	5053.71972	0.80762	ug/L	09/18/10	21:38	
CCV	V	4868.67968	4852.89550	4884.46337	0.45847	ug/L	09/18/10	21:38	
CCV	Zn	2470.89331	2463.51562	2478.27099	0.42226	ug/L	09/18/10	21:38	
CCV	2203/1	501.79095	500.39855	503.18338	0.39242	ug/L	09/18/10	21:38	
CCV	2203/2	503.92709	501.46633	506.38784	0.69058	ug/L	09/18/10	21:38	
CCV	1960/1	4951.37353	4934.20507	4968.54199	0.49036	ug/L	09/18/10	21:38	
CCV	1960/2	5037.96679	5017.26269	5058.67089	0.58118	ug/L	09/18/10	21:38	
CCV	Y	978.24890	981.39166	975.10607	0.45434		09/18/10	21:38	
CCB	Ag	0.19928	-0.06999	0.46857	191.09460	ug/L	09/18/10	21:43	
CCB	Al	8.14599	10.59187	5.70011	42.46254	ug/L	09/18/10	21:43	
CCB	2Al	0.00814	0.01059	0.00570	42.46267	mg/L	09/18/10	21:43	
CCB	As	-2.82504	-1.67523	-3.97484	57.55909	ug/L	09/18/10	21:43	
CCB	B	29.30978	33.53421	25.08534	20.38312	ug/L	09/18/10	21:43	
CCB	Ba	0.23451	-0.12154	0.59058	214.71784	ug/L	09/18/10	21:43	
CCB	Be	0.05819	0.02093	0.09545	90.55099	ug/L	09/18/10	21:43	
CCB	Ca	0.06878	-0.85733	0.99491	1904.02148	ug/L	09/18/10	21:43	
CCB	Cd	-0.16234	-0.50359	0.17890	297.26751	ug/L	09/18/10	21:43	
CCB	Co	0.09047	0.43991	-0.25896	546.18823	ug/L	09/18/10	21:43	
CCB	Cr	0.45729	-0.00688	0.92147	143.55154	ug/L	09/18/10	21:43	
CCB	Cu	0.25294	0.08024	0.42564	96.55635	ug/L	09/18/10	21:43	
CCB	Fe	6.51631	-2.08028	15.11291	186.56912	ug/L	09/18/10	21:43	
CCB	2Fe	0.00651	-0.00208	0.01511	186.56576	mg/L	09/18/10	21:43	
CCB	K	-12.58431	-29.49887	4.33025	190.08432	ug/L	09/18/10	21:43	
CCB	Mg	2.73540	-1.44249	6.91330	215.99851	ug/L	09/18/10	21:43	
CCB	2Mg	0.00273	-0.00144	0.00690	216.00114	mg/L	09/18/10	21:43	
CCB	Mn	0.53675	0.12631	0.94719	108.14153	ug/L	09/18/10	21:43	
CCB	Mo	0.73874	1.39988	0.07760	126.56509	ug/L	09/18/10	21:43	
CCB	Na	-346.02090	-695.50036	3.45855	142.83489	ug/L	09/18/10	21:43	
CCB	Ni	0.20154	0.14152	0.26156	42.11593	ug/L	09/18/10	21:43	
CCB	Pb	-1.20248	-0.35232	-2.05264	99.98558	ug/L	09/18/10	21:43	
CCB	Se	0.81260	-0.87490	2.50012	293.68521	ug/L	09/18/10	21:43	
CCB	Sb	2.90238	1.30499	4.49976	77.83412	ug/L	09/18/10	21:43	
CCB	Sn	1.68518	-0.82788	4.19824	210.89810	ug/L	09/18/10	21:43	
CCB	Sr	0.19820	0.03607	0.36033	115.68167	ug/L	09/18/10	21:43	
CCB	Ti	0.32587	0.42393	0.22782	42.55346	ug/L	09/18/10	21:43	
CCB	Tl	2.96711	-1.59454	7.52877	217.42184	ug/L	09/18/10	21:43	
CCB	V	0.43720	-0.10690	0.98131	176.00059	ug/L	09/18/10	21:43	
CCB	Zn	0.49015	0.12040	0.85989	106.68120	ug/L	09/18/10	21:43	
CCB	2203/1	-0.34598	-2.38352	1.69156	832.85278	ug/L	09/18/10	21:43	
CCB	2203/2	-1.63008	0.66175	-3.92193	198.83332	ug/L	09/18/10	21:43	
CCB	1960/1	-1.33578	-6.58069	3.90912	555.28466	ug/L	09/18/10	21:43	
CCB	1960/2	1.88519	1.97370	1.79667	6.64020	ug/L	09/18/10	21:43	
CCB	Y	969.01690	971.91961	966.11419	0.42363		09/18/10	21:43	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61130-1A	Ag	50.39199	49.89034	50.89363	1.40783	ug/L	09/18/10	21:49	
61130-1A	Al	2083.88525	2091.87963	2075.89086	0.54253	ug/L	09/18/10	21:49	
61130-1A	2Al	2.08398	2.09187	2.07609	0.53562	mg/L	09/18/10	21:49	
61130-1A	As	2065.16381	2075.84301	2054.48461	0.73130	ug/L	09/18/10	21:49	
61130-1A	B	1078.72900	1082.64538	1074.81262	0.51343	ug/L	09/18/10	21:49	
61130-1A	Ba	2073.72241	2076.37597	2071.06884	0.18096	ug/L	09/18/10	21:49	
61130-1A	Be	51.54163	51.62974	51.45352	0.24175	ug/L	09/18/10	21:49	
61130-1A	Ca	6510.91894	6516.09570	6505.74267	0.11243	ug/L	09/18/10	21:49	
61130-1A	Cd	53.12592	52.85593	53.39590	0.71869	ug/L	09/18/10	21:49	
61130-1A	Co	514.23229	515.25109	513.21356	0.28017	ug/L	09/18/10	21:49	
61130-1A	Cr	208.13052	208.37892	207.88212	0.16878	ug/L	09/18/10	21:49	
61130-1A	Cu	257.68621	258.07806	257.29434	0.21505	ug/L	09/18/10	21:49	
61130-1A	Fe	1874.07568	1866.03735	1882.11389	0.60658	ug/L	09/18/10	21:49	
61130-1A	2Fe	1.87415	1.86611	1.88219	0.60649	mg/L	09/18/10	21:49	
61130-1A	K	6843.36914	6833.26953	6853.46923	0.20871	ug/L	09/18/10	21:49	
61130-1A	Mg	5580.64355	5582.16015	5579.12695	0.03843	ug/L	09/18/10	21:49	
61130-1A	2Mg	5.57900	5.58052	5.57748	0.03848	mg/L	09/18/10	21:49	
61130-1A	Mn	580.39501	580.86718	579.92285	0.11505	ug/L	09/18/10	21:49	
61130-1A	Mo	505.98461	503.28146	508.68780	0.75552	ug/L	09/18/10	21:49	
61130-1A	Na	54774.60937	54739.71484	54809.50000	0.09008	ug/L	09/18/10	21:49	
61130-1A	Ni	516.71386	517.39514	516.03253	0.18646	ug/L	09/18/10	21:49	
61130-1A	Pb	515.85009	517.12005	514.58013	0.34816	ug/L	09/18/10	21:49	
61130-1A	Se	2085.53027	2082.32592	2088.73461	0.21728	ug/L	09/18/10	21:49	
61130-1A	Sb	489.23071	488.71636	489.74508	0.14868	ug/L	09/18/10	21:49	
61130-1A	Sn	1056.55163	1055.15710	1057.94616	0.18666	ug/L	09/18/10	21:49	
61130-1A	Sr	559.45507	560.66864	558.24157	0.30676	ug/L	09/18/10	21:49	
61130-1A	Ti	1004.78283	1005.82525	1003.74047	0.14671	ug/L	09/18/10	21:49	
61130-1A	Tl	2132.94189	2134.25244	2131.63110	0.08690	ug/L	09/18/10	21:49	
61130-1A	V	500.46463	499.79150	501.13775	0.19021	ug/L	09/18/10	21:49	
61130-1A	Zn	551.73352	552.31347	551.15356	0.14865	ug/L	09/18/10	21:49	
61130-1A	2203/1	512.49133	513.40069	511.58203	0.25092	ug/L	09/18/10	21:49	
61130-1A	2203/2	517.52697	518.97698	516.07696	0.39623	ug/L	09/18/10	21:49	
61130-1A	1960/1	2056.38037	2056.00903	2056.75170	0.02553	ug/L	09/18/10	21:49	
61130-1A	1960/2	2100.08300	2095.46411	2104.70166	0.31103	ug/L	09/18/10	21:49	
61130-1A	Y	970.61450	972.76641	968.46252	0.31354		09/18/10	21:49	
61130-1S	Ag	50.63875	50.52577	50.75173	0.31551	ug/L	09/18/10	21:54	
61130-1S	Al	2090.74218	2091.53564	2089.94897	0.05366	ug/L	09/18/10	21:54	
61130-1S	2Al	2.09084	2.09173	2.08994	0.06059	mg/L	09/18/10	21:54	
61130-1S	As	2076.29882	2072.38159	2080.21582	0.26680	ug/L	09/18/10	21:54	
61130-1S	B	1104.46923	1104.05615	1104.88220	0.05288	ug/L	09/18/10	21:54	
61130-1S	Ba	2086.94580	2089.86035	2084.03100	0.19751	ug/L	09/18/10	21:54	
61130-1S	Be	51.68513	51.70498	51.66528	0.05431	ug/L	09/18/10	21:54	
61130-1S	Ca	6531.79003	6535.69873	6527.88134	0.08462	ug/L	09/18/10	21:54	
61130-1S	Cd	53.13844	52.85794	53.41894	0.74652	ug/L	09/18/10	21:54	
61130-1S	Co	518.26519	518.90734	517.62304	0.17522	ug/L	09/18/10	21:54	
61130-1S	Cr	210.11730	210.23463	210.00000	0.07896	ug/L	09/18/10	21:54	
61130-1S	Cu	259.05053	259.22030	258.88073	0.09268	ug/L	09/18/10	21:54	
61130-1S	Fe	1897.18017	1890.44458	1903.91577	0.50209	ug/L	09/18/10	21:54	
61130-1S	2Fe	1.89725	1.89052	1.90399	0.50200	mg/L	09/18/10	21:54	
61130-1S	K	6903.99414	6910.34130	6897.64697	0.13001	ug/L	09/18/10	21:54	
61130-1S	Mg	5554.98925	5563.20654	5546.77148	0.20920	ug/L	09/18/10	21:54	
61130-1S	2Mg	5.55335	5.56157	5.54513	0.20923	mg/L	09/18/10	21:54	
61130-1S	Mn	583.81066	583.97875	583.64251	0.04072	ug/L	09/18/10	21:54	
61130-1S	Mo	522.58734	521.59454	523.58013	0.26866	ug/L	09/18/10	21:54	
61130-1S	Na	55138.11718	55115.34765	55160.88281	0.05839	ug/L	09/18/10	21:54	
61130-1S	Ni	519.94989	520.47375	519.42602	0.14248	ug/L	09/18/10	21:54	
61130-1S	Pb	519.33911	516.41998	522.25817	0.79490	ug/L	09/18/10	21:54	
61130-1S	Se	2102.35791	2103.08178	2101.63378	0.04870	ug/L	09/18/10	21:54	
61130-1S	Sb	500.83935	498.26373	503.41497	0.72727	ug/L	09/18/10	21:54	
61130-1S	Sn	1045.86718	1049.49780	1042.23669	0.49092	ug/L	09/18/10	21:54	
61130-1S	Sr	559.31384	558.99200	559.63562	0.08136	ug/L	09/18/10	21:54	
61130-1S	Ti	711.04931	711.77117	710.32739	0.14357	ug/L	09/18/10	21:54	
61130-1S	Tl	2170.99584	2177.52587	2164.46582	0.42537	ug/L	09/18/10	21:54	
61130-1S	V	504.60522	505.22573	503.98471	0.17390	ug/L	09/18/10	21:54	
61130-1S	Zn	555.53271	555.11041	555.95495	0.10749	ug/L	09/18/10	21:54	
61130-1S	2203/1	517.71759	517.28222	518.15295	0.11892	ug/L	09/18/10	21:54	
61130-1S	2203/2	520.14862	515.98950	524.30773	1.13080	ug/L	09/18/10	21:54	
61130-1S	1960/1	2075.18994	2067.84375	2082.53637	0.50064	ug/L	09/18/10	21:54	
61130-1S	1960/2	2115.92041	2120.67358	2111.16748	0.31767	ug/L	09/18/10	21:54	
61130-1S	Y	971.46569	972.69659	970.23474	0.17919		09/18/10	21:54	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61130-1SD	Ag	50.96530	51.05129	50.87932	0.23859	ug/L	09/18/10	21:59	
61130-1SD	Al	2082.37011	2077.28881	2087.45141	0.34508	ug/L	09/18/10	21:59	
61130-1SD	2Al	2.08236	2.07728	2.08744	0.34501	mg/L	09/18/10	21:59	
61130-1SD	As	2065.96679	2055.43847	2076.49511	0.72069	ug/L	09/18/10	21:59	
61130-1SD	B	1092.65502	1089.33532	1095.97485	0.42967	ug/L	09/18/10	21:59	
61130-1SD	Ba	2062.69946	2054.77539	2070.62353	0.54328	ug/L	09/18/10	21:59	
61130-1SD	Be	51.18453	50.98427	51.38480	0.55332	ug/L	09/18/10	21:59	
61130-1SD	Ca	6468.32128	6438.40527	6498.23681	0.65406	ug/L	09/18/10	21:59	
61130-1SD	Cd	52.64059	52.16115	53.12003	1.28804	ug/L	09/18/10	21:59	
61130-1SD	Co	511.55471	509.20928	513.90014	0.64840	ug/L	09/18/10	21:59	
61130-1SD	Cr	206.68182	205.65417	207.70945	0.70316	ug/L	09/18/10	21:59	
61130-1SD	Cu	255.80441	254.98103	256.62780	0.45520	ug/L	09/18/10	21:59	
61130-1SD	Fe	1911.63037	1899.55712	1923.70361	0.89317	ug/L	09/18/10	21:59	
61130-1SD	2Fe	1.91170	1.89963	1.92377	0.89314	mg/L	09/18/10	21:59	
61130-1SD	K	6823.35742	6807.46533	6839.24951	0.32938	ug/L	09/18/10	21:59	
61130-1SD	Mg	5470.03808	5444.97460	5495.10205	0.64799	ug/L	09/18/10	21:59	
61130-1SD	2Mg	5.46842	5.44336	5.49347	0.64796	mg/L	09/18/10	21:59	
61130-1SD	Mn	578.20532	575.97827	580.43237	0.54470	ug/L	09/18/10	21:59	
61130-1SD	Mo	514.79479	511.73330	517.85632	0.84103	ug/L	09/18/10	21:59	
61130-1SD	Na	55905.39453	55624.17187	56186.61718	0.71139	ug/L	09/18/10	21:59	
61130-1SD	Ni	515.81567	514.20361	517.42779	0.44198	ug/L	09/18/10	21:59	
61130-1SD	Pb	511.39001	506.58889	516.19110	1.32771	ug/L	09/18/10	21:59	
61130-1SD	Se	2081.54101	2071.62060	2091.46118	0.67399	ug/L	09/18/10	21:59	
61130-1SD	Sb	499.04605	501.44326	496.64883	0.67933	ug/L	09/18/10	21:59	
61130-1SD	Sn	1039.59765	1037.42932	1041.76611	0.29497	ug/L	09/18/10	21:59	
61130-1SD	Sr	551.37316	549.89343	552.85284	0.37952	ug/L	09/18/10	21:59	
61130-1SD	Ti	701.17114	698.45971	703.88250	0.54686	ug/L	09/18/10	21:59	
61130-1SD	Tl	2150.62060	2135.35742	2165.88378	1.00368	ug/L	09/18/10	21:59	
61130-1SD	V	499.33306	497.11523	501.55090	0.62813	ug/L	09/18/10	21:59	
61130-1SD	Zn	549.76464	548.13067	551.39862	0.42032	ug/L	09/18/10	21:59	
61130-1SD	2203/1	511.79949	506.55123	517.04779	1.45021	ug/L	09/18/10	21:59	
61130-1SD	2203/2	511.18554	506.60769	515.76342	1.26648	ug/L	09/18/10	21:59	
61130-1SD	1960/1	2057.14746	2040.74694	2073.54785	1.12747	ug/L	09/18/10	21:59	
61130-1SD	1960/2	2093.71875	2087.03344	2100.40380	0.45155	ug/L	09/18/10	21:59	
61130-1SD	Y	970.33081	977.48937	963.17218	1.04333		09/18/10	21:59	
61130-2	Ag	-0.21563	-0.40906	-0.02219	126.86621	ug/L	09/18/10	22:04	
61130-2	Al	145.84848	145.02297	146.67396	0.80043	ug/L	09/18/10	22:04	
61130-2	2Al	0.14586	0.14503	0.14668	0.80043	mg/L	09/18/10	22:04	
61130-2	As	-3.07121	-2.50499	-3.63743	26.07287	ug/L	09/18/10	22:04	
61130-2	B	33.19710	35.18050	31.21370	8.44937	ug/L	09/18/10	22:04	
61130-2	Ba	25.88676	25.81578	25.95773	0.38775	ug/L	09/18/10	22:04	
61130-2	Be	0.04204	0.02362	0.06047	61.97285	ug/L	09/18/10	22:04	
61130-2	Ca	1897.39941	1901.83288	1892.96582	0.33045	ug/L	09/18/10	22:04	
61130-2	Cd	-0.43762	-0.69230	-0.18294	82.30141	ug/L	09/18/10	22:04	
61130-2	Co	0.03116	0.32953	-0.26720	1353.76391	ug/L	09/18/10	22:04	
61130-2	Cr	0.67658	0.67850	0.67465	0.40265	ug/L	09/18/10	22:04	
61130-2	Cu	-0.38082	0.30221	-1.06386	253.64820	ug/L	09/18/10	22:04	
61130-2	Fe	3620.55053	3616.24267	3624.85839	0.16826	ug/L	09/18/10	22:04	
61130-2	2Fe	3.62028	3.61597	3.62458	0.16826	mg/L	09/18/10	22:04	
61130-2	K	3230.08129	3222.02416	3238.13842	0.35276	ug/L	09/18/10	22:04	
61130-2	Mg	748.77496	747.42352	750.12640	0.25524	ug/L	09/18/10	22:04	
61130-2	2Mg	0.74798	0.74663	0.74933	0.25528	mg/L	09/18/10	22:04	
61130-2	Mn	120.40643	120.53456	120.27830	0.15049	ug/L	09/18/10	22:04	
61130-2	Mo	-0.90461	0.58932	-2.39855	233.55158	ug/L	09/18/10	22:04	
61130-2	Na	17349.50000	17305.69335	17393.30468	0.35707	ug/L	09/18/10	22:04	
61130-2	Ni	0.04876	-0.93308	1.03062	2847.17944	ug/L	09/18/10	22:04	
61130-2	Pb	2.50146	3.81945	1.18346	74.51341	ug/L	09/18/10	22:04	
61130-2	Se	5.70783	3.26229	8.15337	60.59240	ug/L	09/18/10	22:04	
61130-2	Sb	-1.49647	-1.50149	-1.49144	0.47521	ug/L	09/18/10	22:04	
61130-2	Sn	0.99317	1.14052	0.84581	20.98238	ug/L	09/18/10	22:04	
61130-2	Sr	77.79898	78.05059	77.54737	0.45737	ug/L	09/18/10	22:04	
61130-2	Ti	1.48122	1.60120	1.36125	11.45447	ug/L	09/18/10	22:04	
61130-2	Tl	3.77819	2.28141	5.27496	56.02562	ug/L	09/18/10	22:04	
61130-2	V	0.00338	-0.02201	0.02878	1060.74719	ug/L	09/18/10	22:04	
61130-2	Zn	1.20870	1.35119	1.06621	16.67174	ug/L	09/18/10	22:04	
61130-2	2203/1	0.53151	-0.77289	1.83593	347.06512	ug/L	09/18/10	22:04	
61130-2	2203/2	3.48495	6.11218	0.85772	106.61444	ug/L	09/18/10	22:04	
61130-2	1960/1	3.10235	0.39621	5.80848	123.35964	ug/L	09/18/10	22:04	
61130-2	1960/2	7.00862	4.69318	9.32406	46.72134	ug/L	09/18/10	22:04	
61130-2	Y	978.51513	976.67749	980.35278	0.26558		09/18/10	22:04	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61130-3	Ag	-0.74828	-0.65166	-0.84490	18.26027	ug/L	09/18/10	22:09	
61130-3	Al	115.59538	120.90650	110.28426	6.49771	ug/L	09/18/10	22:09	
61130-3	2Al	0.11560	0.12091	0.11029	6.49770	mg/L	09/18/10	22:09	
61130-3	As	1.20064	1.35085	1.05043	17.69246	ug/L	09/18/10	22:09	
61130-3	B	34.99129	35.07184	34.91074	0.32555	ug/L	09/18/10	22:09	
61130-3	Ba	16.31163	16.25167	16.37158	0.51979	ug/L	09/18/10	22:09	
61130-3	Be	-0.00493	-0.01226	0.00238	209.72166	ug/L	09/18/10	22:09	
61130-3	Ca	1394.60412	1394.12963	1395.07861	0.04811	ug/L	09/18/10	22:09	
61130-3	Cd	-0.38308	-0.38941	-0.37674	2.33763	ug/L	09/18/10	22:09	
61130-3	Co	-0.80157	-0.26501	-1.33814	94.66544	ug/L	09/18/10	22:09	
61130-3	Cr	1.02293	0.64153	1.40433	52.72906	ug/L	09/18/10	22:09	
61130-3	Cu	0.50097	1.30070	-0.29875	225.75604	ug/L	09/18/10	22:09	
61130-3	Fe	1958.23388	1960.05065	1956.41711	0.13120	ug/L	09/18/10	22:09	
61130-3	2Fe	1.95808	1.95990	1.95627	0.13121	mg/L	09/18/10	22:09	
61130-3	K	2510.56689	2513.03979	2508.09423	0.13929	ug/L	09/18/10	22:09	
61130-3	Mg	400.68682	399.46997	401.90371	0.42949	ug/L	09/18/10	22:09	
61130-3	2Mg	0.40024	0.39902	0.40146	0.42994	mg/L	09/18/10	22:09	
61130-3	Mn	36.74043	36.77280	36.70805	0.12461	ug/L	09/18/10	22:09	
61130-3	Mo	-0.76403	-1.75191	0.22384	182.85516	ug/L	09/18/10	22:09	
61130-3	Na	13589.52734	13633.85644	13545.19921	0.46131	ug/L	09/18/10	22:09	
61130-3	Ni	1.07491	1.51050	0.63933	57.30768	ug/L	09/18/10	22:09	
61130-3	Pb	0.61714	1.47499	-0.24070	196.57916	ug/L	09/18/10	22:09	
61130-3	Se	2.42959	-1.20163	6.06082	211.36592	ug/L	09/18/10	22:09	
61130-3	Sb	0.33501	4.09046	-3.42044	1585.32568	ug/L	09/18/10	22:09	
61130-3	Sn	-0.69556	2.82293	-4.21405	715.37969	ug/L	09/18/10	22:09	
61130-3	Sr	39.28051	39.35105	39.20996	0.25398	ug/L	09/18/10	22:09	
61130-3	Ti	0.86600	1.05990	0.67211	31.66363	ug/L	09/18/10	22:09	
61130-3	Tl	6.56149	5.97144	7.15153	12.71734	ug/L	09/18/10	22:09	
61130-3	V	0.81098	0.70609	0.91586	18.28985	ug/L	09/18/10	22:09	
61130-3	Zn	8.66408	8.86326	8.46490	3.25112	ug/L	09/18/10	22:09	
61130-3	2203/1	0.64972	2.27796	-0.97852	354.41006	ug/L	09/18/10	22:09	
61130-3	2203/2	0.60088	1.07411	0.12765	111.37723	ug/L	09/18/10	22:09	
61130-3	1960/1	2.70065	5.61227	-0.21096	152.46875	ug/L	09/18/10	22:09	
61130-3	1960/2	2.29426	-4.60348	9.19201	425.18576	ug/L	09/18/10	22:09	
61130-3	Y	976.02709	975.62988	976.42431	0.05755		09/18/10	22:09	
61150-1	Ag	0.58465	0.22072	0.94857	88.03062	ug/L	09/18/10	22:14	
61150-1	Al	87.38187	85.37959	89.38415	3.24054	ug/L	09/18/10	22:14	
61150-1	2Al	0.08739	0.08538	0.08939	3.24053	mg/L	09/18/10	22:14	
61150-1	As	-1.35713	-1.28118	-1.43308	7.91452	ug/L	09/18/10	22:14	
61150-1	B	198.70538	199.30102	198.10974	0.42392	ug/L	09/18/10	22:14	
61150-1	Ba	6.76513	6.66308	6.86717	2.13320	ug/L	09/18/10	22:14	
61150-1	Be	0.01587	0.00900	0.02273	61.18066	ug/L	09/18/10	22:14	
61150-1	Ca	39118.28125	39158.05859	39078.50781	0.14379	ug/L	09/18/10	22:14	
61150-1	Cd	-0.15275	-0.00651	-0.29898	135.39189	ug/L	09/18/10	22:14	
61150-1	Co	0.20304	0.70365	-0.29755	348.66714	ug/L	09/18/10	22:14	
61150-1	Cr	1.42630	1.75064	1.10196	32.15891	ug/L	09/18/10	22:14	
61150-1	Cu	7.31461	7.54516	7.08406	4.45742	ug/L	09/18/10	22:14	
61150-1	Fe	50.45153	47.74067	53.16240	7.59886	ug/L	09/18/10	22:14	
61150-1	2Fe	0.05044	0.04773	0.05315	7.59848	mg/L	09/18/10	22:14	
61150-1	K	12747.17871	12758.63085	12735.72656	0.12705	ug/L	09/18/10	22:14	
61150-1	Mg	6068.50634	6074.94726	6062.06542	0.15010	ug/L	09/18/10	22:14	
61150-1	2Mg	6.06679	6.07323	6.06035	0.15010	mg/L	09/18/10	22:14	
61150-1	Mn	28.71079	28.69611	28.72546	0.07229	ug/L	09/18/10	22:14	
61150-1	Mo	5.82689	5.56881	6.08498	6.26383	ug/L	09/18/10	22:14	
61150-1	Na	44576.70312	44501.25390	44652.14843	0.23935	ug/L	09/18/10	22:14	
61150-1	Ni	2.11230	2.71576	1.50884	40.40224	ug/L	09/18/10	22:14	
61150-1	Pb	1.81517	2.55229	1.07806	57.42894	ug/L	09/18/10	22:14	
61150-1	Se	5.16492	6.21239	4.11745	28.68099	ug/L	09/18/10	22:14	
61150-1	Sb	3.24221	5.65326	0.83117	105.16667	ug/L	09/18/10	22:14	
61150-1	Sn	1.65057	1.40248	1.89865	21.25605	ug/L	09/18/10	22:14	
61150-1	Sr	71.21749	71.19921	71.23579	0.03632	ug/L	09/18/10	22:14	
61150-1	Ti	0.54308	0.60814	0.47802	16.94129	ug/L	09/18/10	22:14	
61150-1	Tl	2.58732	1.85513	3.31951	40.02081	ug/L	09/18/10	22:14	
61150-1	V	1.87752	1.46993	2.28510	30.70072	ug/L	09/18/10	22:14	
61150-1	Zn	46.36882	46.77578	45.96187	1.24117	ug/L	09/18/10	22:14	
61150-1	2203/1	2.95172	1.37699	4.52646	75.44775	ug/L	09/18/10	22:14	
61150-1	2203/2	1.24775	3.13906	-0.64355	214.36187	ug/L	09/18/10	22:14	
61150-1	1960/1	3.21355	5.99305	0.43404	122.32000	ug/L	09/18/10	22:14	
61150-1	1960/2	6.13914	6.32190	5.95639	4.20995	ug/L	09/18/10	22:14	
61150-1	Y	974.86163	975.15844	974.56481	0.04305		09/18/10	22:14	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61150-7	Ag	0.00320	0.17362	-0.16721	7524.19824	ug/L	09/18/10	22:20	
61150-7	Al	35.81061	32.53465	39.08657	12.93724	ug/L	09/18/10	22:20	
61150-7	2Al	0.03581	0.03253	0.03909	12.93720	mg/L	09/18/10	22:20	
61150-7	As	-3.44947	-3.55107	-3.34788	4.16519	ug/L	09/18/10	22:20	
61150-7	B	148.11560	148.07920	148.15197	0.03474	ug/L	09/18/10	22:20	
61150-7	Ba	6.81215	6.68115	6.94315	2.71953	ug/L	09/18/10	22:20	
61150-7	Be	-0.01012	-0.02166	0.00141	161.17037	ug/L	09/18/10	22:20	
61150-7	Ca	45175.08203	45262.56250	45087.60156	0.27385	ug/L	09/18/10	22:20	
61150-7	Cd	-0.36484	-0.45551	-0.27417	35.14643	ug/L	09/18/10	22:20	
61150-7	Co	-0.29562	-0.00351	-0.58774	139.74124	ug/L	09/18/10	22:20	
61150-7	Cr	0.68352	0.33967	1.02738	71.14298	ug/L	09/18/10	22:20	
61150-7	Cu	7.43512	7.22175	7.64849	4.05845	ug/L	09/18/10	22:20	
61150-7	Fe	18.19121	-2.01372	38.39615	157.07635	ug/L	09/18/10	22:20	
61150-7	2Fe	0.01818	-0.00201	0.03839	157.07490	mg/L	09/18/10	22:20	
61150-7	K	9842.01562	9850.12597	9833.90625	0.11653	ug/L	09/18/10	22:20	
61150-7	Mg	7278.37207	7291.23876	7265.50585	0.24999	ug/L	09/18/10	22:20	
61150-7	2Mg	7.27631	7.28918	7.26344	0.25007	mg/L	09/18/10	22:20	
61150-7	Mn	4.75298	4.77713	4.72883	0.71850	ug/L	09/18/10	22:20	
61150-7	Mo	12.26910	10.08219	14.45601	25.20771	ug/L	09/18/10	22:20	
61150-7	Na	65125.04687	65122.65625	65127.43359	0.00518	ug/L	09/18/10	22:20	
61150-7	Ni	1.52211	0.49105	2.55317	95.79706	ug/L	09/18/10	22:20	
61150-7	Pb	0.29008	-1.58671	2.16687	914.98284	ug/L	09/18/10	22:20	
61150-7	Se	3.62258	4.17746	3.06769	21.66213	ug/L	09/18/10	22:20	
61150-7	Sb	-5.46609	-6.82849	-4.10369	35.24865	ug/L	09/18/10	22:20	
61150-7	Sn	-3.94571	-4.07966	-3.81177	4.80082	ug/L	09/18/10	22:20	
61150-7	Sr	91.77999	91.84925	91.71073	0.10672	ug/L	09/18/10	22:20	
61150-7	Ti	0.22291	-0.01506	0.46089	150.97904	ug/L	09/18/10	22:20	
61150-7	Tl	-4.05250	-6.47733	-1.62766	84.62025	ug/L	09/18/10	22:20	
61150-7	V	2.17027	1.75962	2.58092	26.75887	ug/L	09/18/10	22:20	
61150-7	Zn	36.10190	36.63011	35.57368	2.06917	ug/L	09/18/10	22:20	
61150-7	2203/1	-1.22283	-4.55292	2.10726	385.12722	ug/L	09/18/10	22:20	
61150-7	2203/2	1.04540	-0.10583	2.19664	155.73820	ug/L	09/18/10	22:20	
61150-7	1960/1	-0.43563	-2.44922	1.57796	653.68444	ug/L	09/18/10	22:20	
61150-7	1960/2	5.64864	7.48584	3.81144	45.99679	ug/L	09/18/10	22:20	
61150-7	Y	971.90649	970.55773	973.25531	0.19626		09/18/10	22:20	
PBW 180019	Ag	0.38277	0.64672	0.11883	97.51743	ug/L	09/18/10	22:25	
PBW 180019	Al	7.32802	3.76200	10.89403	68.81946	ug/L	09/18/10	22:25	
PBW 180019	2Al	0.00732	0.00376	0.01089	68.81929	mg/L	09/18/10	22:25	
PBW 180019	As	-3.55040	-3.90611	-3.19468	14.16890	ug/L	09/18/10	22:25	
PBW 180019	B	9.65414	10.05918	9.24910	5.93333	ug/L	09/18/10	22:25	
PBW 180019	Ba	-0.19726	-0.21116	-0.18336	9.96525	ug/L	09/18/10	22:25	
PBW 180019	Be	0.00119	0.02327	-0.02087	2604.19653	ug/L	09/18/10	22:25	
PBW 180019	Ca	4.31563	5.26197	3.36930	31.01097	ug/L	09/18/10	22:25	
PBW 180019	Cd	-0.20436	-0.26495	-0.14378	41.92412	ug/L	09/18/10	22:25	
PBW 180019	Co	-0.35853	-0.08148	-0.63559	109.28128	ug/L	09/18/10	22:25	
PBW 180019	Cr	-0.20182	-0.20132	-0.20232	0.34992	ug/L	09/18/10	22:25	
PBW 180019	Cu	-0.45208	-0.38692	-0.51723	20.38227	ug/L	09/18/10	22:25	
PBW 180019	Fe	-8.83713	-12.52824	-5.14602	59.06908	ug/L	09/18/10	22:25	
PBW 180019	2Fe	-0.00883	-0.01252	-0.00514	59.06684	mg/L	09/18/10	22:25	
PBW 180019	K	-5.71362	1.35196	-12.77921	174.88459	ug/L	09/18/10	22:25	
PBW 180019	Mg	-0.03634	-1.39968	1.32699	5304.52685	ug/L	09/18/10	22:25	
PBW 180019	2Mg	-0.00003	-0.00139	0.00132	5536.53369	mg/L	09/18/10	22:25	
PBW 180019	Mn	-0.03262	-0.04943	-0.01581	72.85427	ug/L	09/18/10	22:25	
PBW 180019	Mo	0.36451	0.07760	0.65142	111.31269	ug/L	09/18/10	22:25	
PBW 180019	Na	-238.99057	-140.13348	-337.84765	58.49813	ug/L	09/18/10	22:25	
PBW 180019	Ni	1.26261	2.09942	0.42580	93.72877	ug/L	09/18/10	22:25	
PBW 180019	Pb	1.38187	1.18351	1.58022	20.29973	ug/L	09/18/10	22:25	
PBW 180019	Se	2.04029	-0.04779	4.12837	144.73399	ug/L	09/18/10	22:25	
PBW 180019	Sb	-2.18754	-0.14808	-4.22699	131.84802	ug/L	09/18/10	22:25	
PBW 180019	Sn	-2.56105	-2.75334	-2.36875	10.61864	ug/L	09/18/10	22:25	
PBW 180019	Sr	-0.01949	-0.01264	-0.02634	49.71238	ug/L	09/18/10	22:25	
PBW 180019	Ti	-0.05125	-0.02140	-0.08111	82.36972	ug/L	09/18/10	22:25	
PBW 180019	Tl	2.67639	2.82800	2.52477	8.01152	ug/L	09/18/10	22:25	
PBW 180019	V	-0.48166	-0.66019	-0.30313	52.41705	ug/L	09/18/10	22:25	
PBW 180019	Zn	-0.05239	0.16892	-0.27370	597.39764	ug/L	09/18/10	22:25	
PBW 180019	2203/1	2.41527	1.82950	3.00105	34.29880	ug/L	09/18/10	22:25	
PBW 180019	2203/2	0.86594	0.86100	0.87087	0.80602	ug/L	09/18/10	22:25	
PBW 180019	1960/1	4.63944	2.82807	6.45081	55.21487	ug/L	09/18/10	22:25	
PBW 180019	1960/2	0.74266	-1.48356	2.96889	423.92929	ug/L	09/18/10	22:25	
PBW 180019	Y	991.85894	988.31457	995.40332	0.50536		09/18/10	22:25	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	39.25664	39.10344	39.40985	0.55192	ug/L	09/18/10	22:30	
LCSW-1	Al	1986.93432	1980.44946	1993.41931	0.46156	ug/L	09/18/10	22:30	
LCSW-1	2Al	1.98712	1.98064	1.99361	0.46157	mg/L	09/18/10	22:30	
LCSW-1	As	2068.09375	2068.57690	2067.61059	0.03303	ug/L	09/18/10	22:30	
LCSW-1	B	1059.96667	1055.11425	1064.81909	0.64741	ug/L	09/18/10	22:30	
LCSW-1	Ba	2017.62817	2007.16394	2028.09228	0.73346	ug/L	09/18/10	22:30	
LCSW-1	Be	50.10350	49.93072	50.27628	0.48768	ug/L	09/18/10	22:30	
LCSW-1	Ca	5156.52734	5133.00195	5180.05224	0.64519	ug/L	09/18/10	22:30	
LCSW-1	Cd	52.41106	52.05723	52.76489	0.95473	ug/L	09/18/10	22:30	
LCSW-1	Co	506.36062	504.41213	508.30911	0.54419	ug/L	09/18/10	22:30	
LCSW-1	Cr	204.16995	203.66151	204.67839	0.35217	ug/L	09/18/10	22:30	
LCSW-1	Cu	240.78616	239.69631	241.87602	0.64010	ug/L	09/18/10	22:30	
LCSW-1	Fe	975.13745	964.00927	986.26568	1.61389	ug/L	09/18/10	22:30	
LCSW-1	2Fe	0.97527	0.96415	0.98640	1.61367	mg/L	09/18/10	22:30	
LCSW-1	K	5708.82226	5673.90234	5743.74218	0.86505	ug/L	09/18/10	22:30	
LCSW-1	Mg	5286.23144	5262.19384	5310.26904	0.64307	ug/L	09/18/10	22:30	
LCSW-1	2Mg	5.28480	5.26077	5.30883	0.64303	mg/L	09/18/10	22:30	
LCSW-1	Mn	507.74304	505.50344	509.98263	0.62379	ug/L	09/18/10	22:30	
LCSW-1	Mo	517.04980	513.39031	520.70928	1.00092	ug/L	09/18/10	22:30	
LCSW-1	Na	5043.96582	4959.24121	5128.69091	2.37549	ug/L	09/18/10	22:30	
LCSW-1	Ni	509.55902	507.39117	511.72689	0.60166	ug/L	09/18/10	22:30	
LCSW-1	Pb	513.91259	511.68627	516.13885	0.61264	ug/L	09/18/10	22:30	
LCSW-1	Se	2117.88330	2109.24047	2126.52636	0.57713	ug/L	09/18/10	22:30	
LCSW-1	Sb	444.49111	430.93969	458.04254	4.31158	ug/L	09/18/10	22:30	
LCSW-1	Sn	985.23645	975.80651	994.66644	1.35358	ug/L	09/18/10	22:30	
LCSW-1	Sr	535.64294	533.75817	537.52764	0.49761	ug/L	09/18/10	22:30	
LCSW-1	Ti	706.09387	702.45904	709.72863	0.72800	ug/L	09/18/10	22:30	
LCSW-1	Tl	2122.50439	2111.74707	2133.26196	0.71676	ug/L	09/18/10	22:30	
LCSW-1	V	497.90991	494.99786	500.82196	0.82710	ug/L	09/18/10	22:30	
LCSW-1	Zn	521.79589	519.74255	523.84930	0.55652	ug/L	09/18/10	22:30	
LCSW-1	2203/1	513.40039	508.89611	517.90472	1.24075	ug/L	09/18/10	22:30	
LCSW-1	2203/2	514.16827	513.07928	515.25726	0.29952	ug/L	09/18/10	22:30	
LCSW-1	1960/1	2092.76586	2076.67504	2108.85668	1.08735	ug/L	09/18/10	22:30	
LCSW-1	1960/2	2130.42285	2125.49804	2135.34741	0.32690	ug/L	09/18/10	22:30	
LCSW-1	Y	977.93023	977.53302	978.32745	0.05744		09/18/10	22:30	
RL LCSW-1	Ag	9.53201	9.79914	9.26487	3.96339	ug/L	09/18/10	22:35	
RL LCSW-1	Al	217.46911	214.09184	220.84638	2.19625	ug/L	09/18/10	22:35	
RL LCSW-1	2Al	0.21749	0.21411	0.22086	2.19625	mg/L	09/18/10	22:35	
RL LCSW-1	As	18.93989	18.63770	19.24208	2.25642	ug/L	09/18/10	22:35	
RL LCSW-1	B	116.60856	116.40634	116.81077	0.24524	ug/L	09/18/10	22:35	
RL LCSW-1	Ba	10.45786	10.46426	10.45146	0.08658	ug/L	09/18/10	22:35	
RL LCSW-1	Be	4.00649	3.98890	4.02409	0.62099	ug/L	09/18/10	22:35	
RL LCSW-1	Ca	510.77380	508.36599	513.18157	0.66666	ug/L	09/18/10	22:35	
RL LCSW-1	Cd	5.09116	5.07975	5.10256	0.31679	ug/L	09/18/10	22:35	
RL LCSW-1	Co	10.03022	9.69845	10.36198	4.67773	ug/L	09/18/10	22:35	
RL LCSW-1	Cr	10.34587	10.26884	10.42290	1.05290	ug/L	09/18/10	22:35	
RL LCSW-1	Cu	21.44403	21.60643	21.28164	1.07097	ug/L	09/18/10	22:35	
RL LCSW-1	Fe	45.22268	32.48451	57.96086	39.83509	ug/L	09/18/10	22:35	
RL LCSW-1	2Fe	0.04522	0.03248	0.05796	39.83185	mg/L	09/18/10	22:35	
RL LCSW-1	K	1110.31506	1091.84252	1128.78759	2.35285	ug/L	09/18/10	22:35	
RL LCSW-1	Mg	520.73736	519.33581	522.13891	0.38063	ug/L	09/18/10	22:35	
RL LCSW-1	2Mg	0.52058	0.51918	0.52198	0.38002	mg/L	09/18/10	22:35	
RL LCSW-1	Mn	10.34616	10.28770	10.40461	0.79901	ug/L	09/18/10	22:35	
RL LCSW-1	Mo	9.95306	11.60483	8.30129	23.46970	ug/L	09/18/10	22:35	
RL LCSW-1	Na	819.56738	718.86968	920.26507	17.37600	ug/L	09/18/10	22:35	
RL LCSW-1	Ni	42.03003	41.94153	42.11854	0.29780	ug/L	09/18/10	22:35	
RL LCSW-1	Pb	11.32992	10.75050	11.90934	7.23234	ug/L	09/18/10	22:35	
RL LCSW-1	Se	26.98497	31.84635	22.12358	25.47728	ug/L	09/18/10	22:35	
RL LCSW-1	Sb	19.19872	21.59303	16.80441	17.63693	ug/L	09/18/10	22:35	
RL LCSW-1	Sn	38.18152	39.59032	36.77272	5.21807	ug/L	09/18/10	22:35	
RL LCSW-1	Sr	10.66214	10.64132	10.68295	0.27609	ug/L	09/18/10	22:35	
RL LCSW-1	Ti	10.07608	10.10821	10.04394	0.45102	ug/L	09/18/10	22:35	
RL LCSW-1	Tl	26.95965	25.48402	28.43528	7.74066	ug/L	09/18/10	22:35	
RL LCSW-1	V	9.74264	9.43438	10.05091	4.47466	ug/L	09/18/10	22:35	
RL LCSW-1	Zn	22.54418	22.45911	22.62926	0.53368	ug/L	09/18/10	22:35	
RL LCSW-1	2203/1	10.46252	8.86123	12.06380	21.64452	ug/L	09/18/10	22:35	
RL LCSW-1	2203/2	11.76297	11.69372	11.83222	0.83253	ug/L	09/18/10	22:35	
RL LCSW-1	1960/1	26.50336	35.27350	17.73323	46.79724	ug/L	09/18/10	22:35	
RL LCSW-1	1960/2	27.22538	30.13532	24.31544	15.11558	ug/L	09/18/10	22:35	
RL LCSW-1	Y	972.39978	972.42596	972.37359	0.00380		09/18/10	22:35	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	488.78540	489.65759	487.91317	0.25235	ug/L	09/18/10	22:40	
CCV	Al	4854.58691	4856.08105	4853.09228	0.04353	ug/L	09/18/10	22:40	
CCV	2Al	4.85461	4.85610	4.85312	0.04349	mg/L	09/18/10	22:40	
CCV	As	496.95959	496.34536	497.57379	0.17478	ug/L	09/18/10	22:40	
CCV	B	4926.65917	4931.73583	4921.58203	0.14573	ug/L	09/18/10	22:40	
CCV	Ba	4917.50488	4923.86523	4911.14404	0.18292	ug/L	09/18/10	22:40	
CCV	Be	494.67782	494.79031	494.56533	0.03215	ug/L	09/18/10	22:40	
CCV	Ca	4922.71826	4927.41308	4918.02343	0.13487	ug/L	09/18/10	22:40	
CCV	Cd	502.92126	504.16122	501.68133	0.34867	ug/L	09/18/10	22:40	
CCV	Co	491.96325	491.61865	492.30786	0.09906	ug/L	09/18/10	22:40	
CCV	Cr	4979.73339	4988.77001	4970.69628	0.25664	ug/L	09/18/10	22:40	
CCV	Cu	4872.81542	4878.18798	4867.44287	0.15592	ug/L	09/18/10	22:40	
CCV	Fe	4890.96875	4881.18750	4900.74951	0.28281	ug/L	09/18/10	22:40	
CCV	2Fe	4.89122	4.88144	4.90100	0.28276	mg/L	09/18/10	22:40	
CCV	K	9718.36816	9719.29882	9717.43750	0.01354	ug/L	09/18/10	22:40	
CCV	Mg	4995.52929	5003.57568	4987.48339	0.22778	ug/L	09/18/10	22:40	
CCV	2Mg	4.99553	5.00358	4.98748	0.22783	mg/L	09/18/10	22:40	
CCV	Mn	4969.79589	4974.34570	4965.24658	0.12946	ug/L	09/18/10	22:40	
CCV	Mo	503.46002	500.64984	506.27023	0.78938	ug/L	09/18/10	22:40	
CCV	Na	7292.64892	7311.87207	7273.42578	0.37278	ug/L	09/18/10	22:40	
CCV	Ni	2495.45825	2500.39599	2490.52050	0.27982	ug/L	09/18/10	22:40	
CCV	Pb	506.20022	506.65225	505.74819	0.12628	ug/L	09/18/10	22:40	
CCV	Se	5042.79687	5053.37792	5032.21630	0.29673	ug/L	09/18/10	22:40	
CCV	Sb	491.36129	492.21087	490.51171	0.24452	ug/L	09/18/10	22:40	
CCV	Sn	5023.74609	5031.80712	5015.68554	0.22691	ug/L	09/18/10	22:40	
CCV	Sr	2507.14575	2512.05468	2502.23681	0.27689	ug/L	09/18/10	22:40	
CCV	Ti	492.34216	493.36605	491.31829	0.29410	ug/L	09/18/10	22:40	
CCV	Tl	5068.06542	5073.43701	5062.69433	0.14988	ug/L	09/18/10	22:40	
CCV	V	4922.44287	4927.28173	4917.60400	0.13902	ug/L	09/18/10	22:40	
CCV	Zn	2502.40527	2504.15258	2500.65820	0.09874	ug/L	09/18/10	22:40	
CCV	2203/1	505.49420	503.57159	507.41677	0.53788	ug/L	09/18/10	22:40	
CCV	2203/2	506.54843	508.18597	504.91088	0.45717	ug/L	09/18/10	22:40	
CCV	1960/1	4998.33496	5020.55957	4976.10986	0.62882	ug/L	09/18/10	22:40	
CCV	1960/2	5064.99511	5069.76269	5060.22753	0.13311	ug/L	09/18/10	22:40	
CCV	Y	967.08319	963.61737	970.54901	0.50682		09/18/10	22:40	
CCB	Ag	0.07875	-1.00087	1.15838	1938.74853	ug/L	09/18/10	22:45	
CCB	Al	14.63292	13.21768	16.04817	13.67776	ug/L	09/18/10	22:45	
CCB	2Al	0.01463	0.01321	0.01604	13.67770	mg/L	09/18/10	22:45	
CCB	As	-2.38989	-3.37055	-1.40922	58.03066	ug/L	09/18/10	22:45	
CCB	B	26.94516	29.19562	24.69470	11.81150	ug/L	09/18/10	22:45	
CCB	Ba	0.63318	0.03902	1.22733	132.70443	ug/L	09/18/10	22:45	
CCB	Be	0.06223	0.00939	0.11508	120.07838	ug/L	09/18/10	22:45	
CCB	Ca	5.66885	4.27700	7.06070	34.72259	ug/L	09/18/10	22:45	
CCB	Cd	0.13180	0.05886	0.20474	78.26475	ug/L	09/18/10	22:45	
CCB	Co	-0.41456	-0.49534	-0.33379	27.55509	ug/L	09/18/10	22:45	
CCB	Cr	1.07995	0.73004	1.42987	45.82123	ug/L	09/18/10	22:45	
CCB	Cu	1.20129	1.17269	1.22989	3.36714	ug/L	09/18/10	22:45	
CCB	Fe	-9.48927	-22.36654	3.38798	191.91351	ug/L	09/18/10	22:45	
CCB	2Fe	-0.00948	-0.02236	0.00338	191.91416	mg/L	09/18/10	22:45	
CCB	K	-4.39919	-13.89908	5.10070	305.39422	ug/L	09/18/10	22:45	
CCB	Mg	5.52471	6.91190	4.13753	35.50911	ug/L	09/18/10	22:45	
CCB	2Mg	0.00552	0.00691	0.00413	35.54779	mg/L	09/18/10	22:45	
CCB	Mn	0.93880	0.44465	1.43295	74.43819	ug/L	09/18/10	22:45	
CCB	Mo	0.56045	-0.58858	1.70948	289.94042	ug/L	09/18/10	22:45	
CCB	Na	-144.01318	-198.78398	-89.24237	53.78509	ug/L	09/18/10	22:45	
CCB	Ni	0.49854	0.07859	0.91849	119.12604	ug/L	09/18/10	22:45	
CCB	Pb	0.71513	1.25180	0.17846	106.12966	ug/L	09/18/10	22:45	
CCB	Se	3.47080	0.38571	6.55589	125.70520	ug/L	09/18/10	22:45	
CCB	Sb	-0.08179	0.61401	-0.77760	1203.03112	ug/L	09/18/10	22:45	
CCB	Sn	0.94266	-1.64128	3.52661	387.65039	ug/L	09/18/10	22:45	
CCB	Sr	0.40663	0.11958	0.69369	99.83312	ug/L	09/18/10	22:45	
CCB	Ti	0.59774	0.72845	0.46702	30.92610	ug/L	09/18/10	22:45	
CCB	Tl	7.01211	7.63591	6.38830	12.58098	ug/L	09/18/10	22:45	
CCB	V	0.82968	-0.15697	1.81634	168.17727	ug/L	09/18/10	22:45	
CCB	Zn	0.38102	0.12446	0.63759	95.22554	ug/L	09/18/10	22:45	
CCB	2203/1	-2.86417	-6.80924	1.08090	194.79225	ug/L	09/18/10	22:45	
CCB	2203/2	2.50210	5.27629	-0.27208	156.79983	ug/L	09/18/10	22:45	
CCB	1960/1	1.16876	-6.77172	9.10924	960.80590	ug/L	09/18/10	22:45	
CCB	1960/2	4.62009	3.95905	5.28112	20.23428	ug/L	09/18/10	22:45	
CCB	Y	963.54754	964.56024	962.53485	0.14863		09/18/10	22:45	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61177-1	Ag	-0.53020	-0.69996	-0.36044	45.28109	ug/L	09/18/10	22:51	
61177-1	Al	12.35309	14.55180	10.15437	25.17147	ug/L	09/18/10	22:51	
61177-1	2Al	0.01235	0.01455	0.01015	25.17147	mg/L	09/18/10	22:51	
61177-1	As	-3.07916	-1.76011	-4.39820	60.58174	ug/L	09/18/10	22:51	
61177-1	B	43.40214	43.04592	43.75835	1.16069	ug/L	09/18/10	22:51	
61177-1	Ba	5.88715	5.83236	5.94195	1.31637	ug/L	09/18/10	22:51	
61177-1	Be	-0.00439	-0.00490	-0.00387	16.60660	ug/L	09/18/10	22:51	
61177-1	Ca	20644.33007	20550.06835	20738.59179	0.64572	ug/L	09/18/10	22:51	
61177-1	Cd	-0.29620	-0.42293	-0.16947	60.50431	ug/L	09/18/10	22:51	
61177-1	Co	-0.44958	-0.12929	-0.76986	100.75057	ug/L	09/18/10	22:51	
61177-1	Cr	0.08670	-0.12288	0.29629	341.86264	ug/L	09/18/10	22:51	
61177-1	Cu	1.66129	1.01971	2.30287	54.61608	ug/L	09/18/10	22:51	
61177-1	Fe	272.04449	257.43185	286.65716	7.59633	ug/L	09/18/10	22:51	
61177-1	2Fe	0.27202	0.25741	0.28663	7.59633	mg/L	09/18/10	22:51	
61177-1	K	2731.98217	2717.48510	2746.47924	0.75044	ug/L	09/18/10	22:51	
61177-1	Mg	8230.89355	8195.28613	8266.50097	0.61179	ug/L	09/18/10	22:51	
61177-1	2Mg	8.22852	8.19292	8.26411	0.61176	mg/L	09/18/10	22:51	
61177-1	Mn	3.44899	3.48126	3.41672	1.32323	ug/L	09/18/10	22:51	
61177-1	Mo	0.69871	0.44341	0.95401	51.67401	ug/L	09/18/10	22:51	
61177-1	Na	16365.94921	16287.86230	16444.03515	0.67476	ug/L	09/18/10	22:51	
61177-1	Ni	0.61440	0.05637	1.17244	128.44628	ug/L	09/18/10	22:51	
61177-1	Pb	1.72702	2.28258	1.17146	45.49304	ug/L	09/18/10	22:51	
61177-1	Se	-0.01344	-1.95523	1.92833	20419.37109	ug/L	09/18/10	22:51	
61177-1	Sb	-0.20207	-1.05902	0.65487	599.73083	ug/L	09/18/10	22:51	
61177-1	Sn	-2.95600	-2.79285	-3.11914	7.80511	ug/L	09/18/10	22:51	
61177-1	Sr	332.90594	331.80499	334.00689	0.46769	ug/L	09/18/10	22:51	
61177-1	Ti	-0.01299	-0.10037	0.07438	950.77899	ug/L	09/18/10	22:51	
61177-1	Tl	1.25155	6.31614	-3.81304	572.28332	ug/L	09/18/10	22:51	
61177-1	V	0.17645	-0.08541	0.43832	209.87495	ug/L	09/18/10	22:51	
61177-1	Zn	249.72229	248.56710	250.87747	0.65419	ug/L	09/18/10	22:51	
61177-1	2203/1	2.10903	2.45514	1.76291	23.20870	ug/L	09/18/10	22:51	
61177-1	2203/2	1.53630	2.19642	0.87618	60.76603	ug/L	09/18/10	22:51	
61177-1	1960/1	-0.77064	6.37364	-7.91494	1311.04638	ug/L	09/18/10	22:51	
61177-1	1960/2	0.36458	-6.11342	6.84259	2512.80664	ug/L	09/18/10	22:51	
61177-1	Y	976.73858	975.89178	977.58538	0.12260		09/18/10	22:51	
61177-1L	Ag	0.12581	0.56310	-0.31146	491.50558	ug/L	09/18/10	22:56	
61177-1L	Al	56.88836	51.93120	61.84552	12.32322	ug/L	09/18/10	22:56	
61177-1L	2Al	0.05689	0.05193	0.06185	12.32323	mg/L	09/18/10	22:56	
61177-1L	As	-2.82462	-2.69069	-2.95856	6.70579	ug/L	09/18/10	22:56	
61177-1L	B	18.33416	18.93845	17.72987	4.66120	ug/L	09/18/10	22:56	
61177-1L	Ba	1.19752	1.16349	1.23155	4.01876	ug/L	09/18/10	22:56	
61177-1L	Be	0.00540	-0.00805	0.01886	352.19445	ug/L	09/18/10	22:56	
61177-1L	Ca	4232.11914	4176.66650	4287.57226	1.85302	ug/L	09/18/10	22:56	
61177-1L	Cd	-0.10454	-0.05769	-0.15140	63.38280	ug/L	09/18/10	22:56	
61177-1L	Co	-0.62062	-0.69912	-0.54212	17.88776	ug/L	09/18/10	22:56	
61177-1L	Cr	0.27771	0.14723	0.40820	66.44599	ug/L	09/18/10	22:56	
61177-1L	Cu	1.80027	1.79910	1.80143	0.09179	ug/L	09/18/10	22:56	
61177-1L	Fe	62.14093	72.54146	51.74040	23.66969	ug/L	09/18/10	22:56	
61177-1L	2Fe	0.06213	0.07253	0.05173	23.66971	mg/L	09/18/10	22:56	
61177-1L	K	492.58459	477.57366	507.59548	4.30964	ug/L	09/18/10	22:56	
61177-1L	Mg	1672.51110	1654.74768	1690.27453	1.50200	ug/L	09/18/10	22:56	
61177-1L	2Mg	1.67202	1.65426	1.68978	1.50216	mg/L	09/18/10	22:56	
61177-1L	Mn	1.07753	1.19964	0.95542	16.02658	ug/L	09/18/10	22:56	
61177-1L	Mo	-0.54379	-0.43718	-0.65040	27.72542	ug/L	09/18/10	22:56	
61177-1L	Na	3277.87500	3149.25366	3406.49658	5.54927	ug/L	09/18/10	22:56	
61177-1L	Ni	1.28991	0.38735	2.19246	98.95292	ug/L	09/18/10	22:56	
61177-1L	Pb	1.21457	0.82371	1.60543	45.50996	ug/L	09/18/10	22:56	
61177-1L	Se	5.76275	8.10166	3.42383	57.39839	ug/L	09/18/10	22:56	
61177-1L	Sb	-2.13871	-2.00826	-2.26916	8.62583	ug/L	09/18/10	22:56	
61177-1L	Sn	1.20980	2.90895	-0.48935	198.62458	ug/L	09/18/10	22:56	
61177-1L	Sr	68.06410	67.25302	68.87519	1.68525	ug/L	09/18/10	22:56	
61177-1L	Ti	0.18882	0.17592	0.20172	9.66071	ug/L	09/18/10	22:56	
61177-1L	Tl	5.16066	5.66126	4.66007	13.71823	ug/L	09/18/10	22:56	
61177-1L	V	0.49669	0.59717	0.39621	28.60961	ug/L	09/18/10	22:56	
61177-1L	Zn	51.25077	50.47455	52.02700	2.14192	ug/L	09/18/10	22:56	
61177-1L	2203/1	2.03850	0.92051	3.15648	77.56026	ug/L	09/18/10	22:56	
61177-1L	2203/2	0.80322	0.77539	0.83106	4.90090	ug/L	09/18/10	22:56	
61177-1L	1960/1	3.49270	11.44010	-4.45468	321.79382	ug/L	09/18/10	22:56	
61177-1L	1960/2	6.89607	6.43495	7.35719	9.45638	ug/L	09/18/10	22:56	
61177-1L	Y	975.78265	970.84582	980.71948	0.71550		09/18/10	22:56	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61177-1A	Ag	44.33836	46.03909	42.63763	5.42464	ug/L	09/18/10	23:01	
61177-1A	Al	1957.92272	2027.60766	1888.23779	5.03336	ug/L	09/18/10	23:01	
61177-1A	2Al	1.95800	2.02759	1.88841	5.02625	mg/L	09/18/10	23:01	
61177-1A	As	2025.08325	2105.93676	1944.22973	5.64639	ug/L	09/18/10	23:01	
61177-1A	B	1009.70257	1043.37817	976.02697	4.71668	ug/L	09/18/10	23:01	
61177-1A	Ba	1994.65600	2068.60180	1920.71008	5.24277	ug/L	09/18/10	23:01	
61177-1A	Be	49.43369	51.36471	47.50267	5.52432	ug/L	09/18/10	23:01	
61177-1A	Ca	25054.29882	25115.48632	24993.11132	0.34537	ug/L	09/18/10	23:01	
61177-1A	Cd	50.57566	52.62295	48.52836	5.72470	ug/L	09/18/10	23:01	
61177-1A	Co	493.35620	511.29449	475.41787	5.14204	ug/L	09/18/10	23:01	
61177-1A	Cr	199.20237	207.57110	190.83364	5.94127	ug/L	09/18/10	23:01	
61177-1A	Cu	246.27885	255.52459	237.03311	5.30920	ug/L	09/18/10	23:01	
61177-1A	Fe	1236.93554	1273.92053	1199.95068	4.22856	ug/L	09/18/10	23:01	
61177-1A	2Fe	1.23705	1.27404	1.20006	4.22872	mg/L	09/18/10	23:01	
61177-1A	K	8129.52832	8273.87109	7985.18505	2.51099	ug/L	09/18/10	23:01	
61177-1A	Mg	12973.34277	13103.55371	12843.13183	1.41941	ug/L	09/18/10	23:01	
61177-1A	2Mg	12.96969	13.09986	12.83951	1.41944	mg/L	09/18/10	23:01	
61177-1A	Mn	501.32910	520.31768	482.34051	5.35654	ug/L	09/18/10	23:01	
61177-1A	Mo	469.06982	485.17755	452.96209	4.85636	ug/L	09/18/10	23:01	
61177-1A	Na	21130.30078	21091.60156	21169.00000	0.25900	ug/L	09/18/10	23:01	
61177-1A	Ni	495.22753	512.71594	477.73910	4.99414	ug/L	09/18/10	23:01	
61177-1A	Pb	511.62145	530.85943	492.38351	5.31771	ug/L	09/18/10	23:01	
61177-1A	Se	2104.12402	2185.79589	2022.45227	5.48928	ug/L	09/18/10	23:01	
61177-1A	Sb	451.66003	462.82449	440.49554	3.49576	ug/L	09/18/10	23:01	
61177-1A	Sn	933.54309	966.94549	900.14068	5.06009	ug/L	09/18/10	23:01	
61177-1A	Sr	814.51190	831.30834	797.71545	2.91631	ug/L	09/18/10	23:01	
61177-1A	Ti	930.07775	965.67852	894.47698	5.41321	ug/L	09/18/10	23:01	
61177-1A	Tl	2071.93212	2141.38549	2002.47851	4.74060	ug/L	09/18/10	23:01	
61177-1A	V	485.59777	504.54846	466.64709	5.51903	ug/L	09/18/10	23:01	
61177-1A	Zn	752.36279	769.40917	735.31646	3.20419	ug/L	09/18/10	23:01	
61177-1A	2203/1	494.35308	512.04437	476.66180	5.06100	ug/L	09/18/10	23:01	
61177-1A	2203/2	520.24273	540.25286	500.23257	5.43950	ug/L	09/18/10	23:01	
61177-1A	1960/1	2033.09399	2110.77026	1955.41772	5.40313	ug/L	09/18/10	23:01	
61177-1A	1960/2	2139.58520	2223.25170	2055.91870	5.53015	ug/L	09/18/10	23:01	
61177-1A	Y	971.32165	974.04101	968.60223	0.39593		09/18/10	23:01	
61177-1S	Ag	43.10364	43.23073	42.97655	0.41697	ug/L	09/18/10	23:06	
61177-1S	Al	1906.61828	1901.48535	1911.75122	0.38072	ug/L	09/18/10	23:06	
61177-1S	2Al	1.90680	1.90166	1.91193	0.38072	mg/L	09/18/10	23:06	
61177-1S	As	1977.30480	1977.37219	1977.23742	0.00481	ug/L	09/18/10	23:06	
61177-1S	B	1054.04711	1052.50573	1055.58850	0.20680	ug/L	09/18/10	23:06	
61177-1S	Ba	1952.76318	1947.10937	1958.41711	0.40945	ug/L	09/18/10	23:06	
61177-1S	Be	48.31291	48.24491	48.38090	0.19903	ug/L	09/18/10	23:06	
61177-1S	Ca	25055.20898	24997.47460	25112.94335	0.32587	ug/L	09/18/10	23:06	
61177-1S	Cd	49.86155	49.50842	50.21468	1.00158	ug/L	09/18/10	23:06	
61177-1S	Co	481.31683	479.75640	482.87722	0.45848	ug/L	09/18/10	23:06	
61177-1S	Cr	195.79570	195.26705	196.32434	0.38183	ug/L	09/18/10	23:06	
61177-1S	Cu	240.04138	239.48861	240.59413	0.32565	ug/L	09/18/10	23:06	
61177-1S	Fe	1224.08618	1214.60095	1233.57141	1.09584	ug/L	09/18/10	23:06	
61177-1S	2Fe	1.22419	1.21471	1.23368	1.09572	mg/L	09/18/10	23:06	
61177-1S	K	8204.20703	8172.17822	8236.23535	0.55209	ug/L	09/18/10	23:06	
61177-1S	Mg	13000.98828	12969.83203	13032.14453	0.33890	ug/L	09/18/10	23:06	
61177-1S	2Mg	12.99732	12.96618	13.02847	0.33888	mg/L	09/18/10	23:06	
61177-1S	Mn	490.93591	489.78814	492.08370	0.33063	ug/L	09/18/10	23:06	
61177-1S	Mo	495.43054	492.51708	498.34399	0.83164	ug/L	09/18/10	23:06	
61177-1S	Na	21311.94531	21224.30468	21399.58789	0.58157	ug/L	09/18/10	23:06	
61177-1S	Ni	484.72241	485.22036	484.22445	0.14528	ug/L	09/18/10	23:06	
61177-1S	Pb	487.18011	486.76089	487.59930	0.12168	ug/L	09/18/10	23:06	
61177-1S	Se	2011.31518	2013.40490	2009.22546	0.14693	ug/L	09/18/10	23:06	
61177-1S	Sb	439.35534	425.66998	453.04074	4.40510	ug/L	09/18/10	23:06	
61177-1S	Sn	959.08502	955.76336	962.40667	0.48979	ug/L	09/18/10	23:06	
61177-1S	Sr	826.50189	825.42004	827.58374	0.18511	ug/L	09/18/10	23:06	
61177-1S	Ti	676.42602	675.77563	677.07641	0.13597	ug/L	09/18/10	23:06	
61177-1S	Tl	2011.76708	2002.42114	2021.11315	0.65699	ug/L	09/18/10	23:06	
61177-1S	V	475.65185	475.09793	476.20581	0.16469	ug/L	09/18/10	23:06	
61177-1S	Zn	740.39208	738.00500	742.77917	0.45595	ug/L	09/18/10	23:06	
61177-1S	2203/1	488.54986	488.58438	488.51538	0.00998	ug/L	09/18/10	23:06	
61177-1S	2203/2	486.49621	485.85052	487.14193	0.18770	ug/L	09/18/10	23:06	
61177-1S	1960/1	1996.65942	2010.02648	1983.29235	0.94677	ug/L	09/18/10	23:06	
61177-1S	1960/2	2018.63134	2015.09094	2022.17187	0.24803	ug/L	09/18/10	23:06	
61177-1S	Y	974.03228	969.52758	978.53698	0.65404		09/18/10	23:06	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61177-1SD	Ag	45.08829	45.40774	44.76885	1.00194	ug/L	09/18/10	23:11	
61177-1SD	Al	1976.74279	1974.59448	1978.89111	0.15369	ug/L	09/18/10	23:11	
61177-1SD	2Al	1.97683	1.97478	1.97887	0.14640	mg/L	09/18/10	23:11	
61177-1SD	As	2054.91796	2058.96215	2050.87402	0.27831	ug/L	09/18/10	23:11	
61177-1SD	B	1100.96948	1097.87756	1104.06152	0.39716	ug/L	09/18/10	23:11	
61177-1SD	Ba	2027.91589	2022.30285	2033.52893	0.39143	ug/L	09/18/10	23:11	
61177-1SD	Be	50.29714	50.18125	50.41302	0.32583	ug/L	09/18/10	23:11	
61177-1SD	Ca	25567.43554	25483.71289	25651.15820	0.46309	ug/L	09/18/10	23:11	
61177-1SD	Cd	52.09697	52.02214	52.17180	0.20312	ug/L	09/18/10	23:11	
61177-1SD	Co	501.57611	500.18402	502.96823	0.39250	ug/L	09/18/10	23:11	
61177-1SD	Cr	203.11759	202.57823	203.65696	0.37553	ug/L	09/18/10	23:11	
61177-1SD	Cu	249.49990	247.96066	251.03913	0.87246	ug/L	09/18/10	23:11	
61177-1SD	Fe	1252.88854	1250.41210	1255.36499	0.27953	ug/L	09/18/10	23:11	
61177-1SD	2Fe	1.25300	1.25053	1.25548	0.27956	mg/L	09/18/10	23:11	
61177-1SD	K	8530.91796	8500.63183	8561.20312	0.50206	ug/L	09/18/10	23:11	
61177-1SD	Mg	13406.89062	13366.44628	13447.33496	0.42662	ug/L	09/18/10	23:11	
61177-1SD	2Mg	13.40311	13.36268	13.44355	0.42662	mg/L	09/18/10	23:11	
61177-1SD	Mn	509.70220	508.37219	511.03222	0.36902	ug/L	09/18/10	23:11	
61177-1SD	Mo	518.81567	515.62921	522.00213	0.86858	ug/L	09/18/10	23:11	
61177-1SD	Na	21583.16015	21382.49804	21783.82226	1.31481	ug/L	09/18/10	23:11	
61177-1SD	Ni	503.22888	500.98239	505.47534	0.63132	ug/L	09/18/10	23:11	
61177-1SD	Pb	508.70379	509.02954	508.37802	0.09056	ug/L	09/18/10	23:11	
61177-1SD	Se	2084.03613	2079.70629	2088.36621	0.29382	ug/L	09/18/10	23:11	
61177-1SD	Sb	456.03930	444.88858	467.19000	3.45792	ug/L	09/18/10	23:11	
61177-1SD	Sn	1016.37145	1007.87902	1024.86389	1.18166	ug/L	09/18/10	23:11	
61177-1SD	Sr	855.65905	852.56585	858.75231	0.51124	ug/L	09/18/10	23:11	
61177-1SD	Ti	709.59558	707.39575	711.79547	0.43842	ug/L	09/18/10	23:11	
61177-1SD	Tl	2100.26123	2096.37377	2104.14892	0.26177	ug/L	09/18/10	23:11	
61177-1SD	V	494.54199	493.08926	495.99472	0.41542	ug/L	09/18/10	23:11	
61177-1SD	Zn	764.76037	762.40496	767.11572	0.43556	ug/L	09/18/10	23:11	
61177-1SD	2203/1	505.34906	505.07095	505.62713	0.07782	ug/L	09/18/10	23:11	
61177-1SD	2203/2	510.37866	511.00588	509.75140	0.17380	ug/L	09/18/10	23:11	
61177-1SD	1960/1	2059.84667	2061.46313	2058.23046	0.11097	ug/L	09/18/10	23:11	
61177-1SD	1960/2	2096.11230	2088.81347	2103.41088	0.49243	ug/L	09/18/10	23:11	
61177-1SD	Y	973.08947	973.01086	973.16802	0.01142		09/18/10	23:11	
61061-1	Ag	0.19753	-0.21653	0.61159	296.44265	ug/L	09/18/10	23:17	
61061-1	Al	26.83058	24.28397	29.37718	13.42292	ug/L	09/18/10	23:17	
61061-1	2Al	0.02683	0.02428	0.02938	13.42288	mg/L	09/18/10	23:17	
61061-1	As	16.92161	16.74535	17.09787	1.47308	ug/L	09/18/10	23:17	
61061-1	B	54.17852	56.57484	51.78220	6.25508	ug/L	09/18/10	23:17	
61061-1	Ba	86.67073	86.30667	87.03479	0.59403	ug/L	09/18/10	23:17	
61061-1	Be	-0.01683	-0.03617	0.00250	162.44145	ug/L	09/18/10	23:17	
61061-1	Ca	26684.41601	26614.62304	26754.20898	0.36988	ug/L	09/18/10	23:17	
61061-1	Cd	-0.38854	-0.51755	-0.25953	46.95585	ug/L	09/18/10	23:17	
61061-1	Co	-0.38219	-0.48727	-0.27711	38.88088	ug/L	09/18/10	23:17	
61061-1	Cr	-0.27358	0.22702	-0.77420	258.77243	ug/L	09/18/10	23:17	
61061-1	Cu	-0.06111	-0.23819	0.11596	409.75311	ug/L	09/18/10	23:17	
61061-1	Fe	149.51382	138.19363	160.83399	10.70747	ug/L	09/18/10	23:17	
61061-1	2Fe	0.14950	0.13818	0.16082	10.70751	mg/L	09/18/10	23:17	
61061-1	K	4126.44628	4110.94287	4141.95019	0.53134	ug/L	09/18/10	23:17	
61061-1	Mg	10436.54785	10410.39648	10462.69921	0.35436	ug/L	09/18/10	23:17	
61061-1	2Mg	10.43357	10.40743	10.45972	0.35434	mg/L	09/18/10	23:17	
61061-1	Mn	5.61453	5.62447	5.60460	0.25021	ug/L	09/18/10	23:17	
61061-1	Mo	49.13687	48.78969	49.48404	0.99920	ug/L	09/18/10	23:17	
61061-1	Na	21332.92968	20947.88867	21717.96875	2.55252	ug/L	09/18/10	23:17	
61061-1	Ni	0.76996	0.38397	1.15595	70.89559	ug/L	09/18/10	23:17	
61061-1	Pb	2.24471	2.33277	2.15665	5.54776	ug/L	09/18/10	23:17	
61061-1	Se	15.55566	13.88996	17.22137	15.14339	ug/L	09/18/10	23:17	
61061-1	Sb	2.24276	0.17626	4.30926	130.30654	ug/L	09/18/10	23:17	
61061-1	Sn	1.95225	2.12222	1.78228	12.31294	ug/L	09/18/10	23:17	
61061-1	Sr	4455.00000	4447.65478	4462.34472	0.23316	ug/L	09/18/10	23:17	
61061-1	Ti	0.62660	0.72346	0.52973	21.86215	ug/L	09/18/10	23:17	
61061-1	Tl	7.49992	9.88655	5.11330	45.00308	ug/L	09/18/10	23:17	
61061-1	V	0.69310	0.79400	0.59221	20.58657	ug/L	09/18/10	23:17	
61061-1	Zn	0.71311	0.29303	1.13319	83.30834	ug/L	09/18/10	23:17	
61061-1	2203/1	3.76044	0.99935	6.52152	103.83802	ug/L	09/18/10	23:17	
61061-1	2203/2	1.48798	2.99848	-0.02250	143.56031	ug/L	09/18/10	23:17	
61061-1	1960/1	12.58375	13.68681	11.48069	12.39660	ug/L	09/18/10	23:17	
61061-1	1960/2	17.03922	13.99122	20.08723	25.29767	ug/L	09/18/10	23:17	
61061-1	Y	968.50183	965.89593	971.10772	0.38051		09/18/10	23:17	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61061-2	Ag	0.22587	0.22566	0.22608	0.12938	ug/L	09/18/10	23:22	
61061-2	Al	32.50294	35.18529	29.82058	11.67100	ug/L	09/18/10	23:22	
61061-2	2Al	0.03250	0.03518	0.02982	11.67104	mg/L	09/18/10	23:22	
61061-2	As	-2.67961	-3.18171	-2.17751	26.49899	ug/L	09/18/10	23:22	
61061-2	B	92.39926	93.71997	91.07855	2.02141	ug/L	09/18/10	23:22	
61061-2	Ba	39.95473	39.67370	40.23576	0.99472	ug/L	09/18/10	23:22	
61061-2	Be	-0.00711	-0.02825	0.01402	420.01278	ug/L	09/18/10	23:22	
61061-2	Ca	50039.62500	49866.71484	50212.53906	0.48868	ug/L	09/18/10	23:22	
61061-2	Cd	-0.15297	-0.25728	-0.04867	96.42664	ug/L	09/18/10	23:22	
61061-2	Co	-0.20442	-0.33840	-0.07044	92.68651	ug/L	09/18/10	23:22	
61061-2	Cr	-0.42985	-0.27471	-0.58500	51.04220	ug/L	09/18/10	23:22	
61061-2	Cu	-0.27586	-0.59316	0.04143	162.66258	ug/L	09/18/10	23:22	
61061-2	Fe	88.36502	81.85209	94.87796	10.42344	ug/L	09/18/10	23:22	
61061-2	2Fe	0.08835	0.08184	0.09487	10.42362	mg/L	09/18/10	23:22	
61061-2	K	10291.50878	10227.43261	10355.58496	0.88050	ug/L	09/18/10	23:22	
61061-2	Mg	34285.06250	34156.55468	34413.57421	0.53008	ug/L	09/18/10	23:22	
61061-2	2Mg	34.27397	34.14690	34.40104	0.52431	mg/L	09/18/10	23:22	
61061-2	Mn	11.98325	12.01190	11.95461	0.33806	ug/L	09/18/10	23:22	
61061-2	Mo	1.26777	-0.29380	2.82936	174.19587	ug/L	09/18/10	23:22	
61061-2	Na	238166.75000	236996.56250	239336.92187	0.69484	ug/L	09/18/10	23:22	
61061-2	Ni	0.10836	-0.72022	0.93694	1081.38415	ug/L	09/18/10	23:22	
61061-2	Pb	0.73962	1.64398	-0.16473	172.92015	ug/L	09/18/10	23:22	
61061-2	Se	9.39844	13.46604	5.33085	61.20631	ug/L	09/18/10	23:22	
61061-2	Sb	-2.21752	-6.17141	1.73636	252.15698	ug/L	09/18/10	23:22	
61061-2	Sn	-1.92966	-1.19055	-2.66878	54.16811	ug/L	09/18/10	23:22	
61061-2	Sr	12687.95019	12661.74218	12714.15820	0.29211	ug/L	09/18/10	23:22	
61061-2	Ti	0.51728	0.47237	0.56219	12.27756	ug/L	09/18/10	23:22	
61061-2	Tl	2.31019	-0.81236	5.43274	191.15110	ug/L	09/18/10	23:22	
61061-2	V	-0.38644	-1.02196	0.24907	232.57180	ug/L	09/18/10	23:22	
61061-2	Zn	0.49441	0.57956	0.40926	24.35597	ug/L	09/18/10	23:22	
61061-2	2203/1	-0.00421	1.76799	-1.77641	59510.42968	ug/L	09/18/10	23:22	
61061-2	2203/2	1.11098	1.58207	0.63989	59.96696	ug/L	09/18/10	23:22	
61061-2	1960/1	11.75218	10.09435	13.41001	19.94971	ug/L	09/18/10	23:22	
61061-2	1960/2	8.22282	15.14884	1.29681	119.11792	ug/L	09/18/10	23:22	
61061-2	Y	960.57934	961.15551	960.00317	0.08482		09/18/10	23:22	
61061-3	Ag	-0.39079	-0.61333	-0.16824	80.53603	ug/L	09/18/10	23:27	
61061-3	Al	18.44000	15.78624	21.09375	20.35237	ug/L	09/18/10	23:27	
61061-3	2Al	0.01844	0.01578	0.02109	20.35235	mg/L	09/18/10	23:27	
61061-3	As	-2.36490	-1.97916	-2.75064	23.06752	ug/L	09/18/10	23:27	
61061-3	B	103.17842	103.63783	102.71901	0.62968	ug/L	09/18/10	23:27	
61061-3	Ba	25.15279	24.99585	25.30972	0.88235	ug/L	09/18/10	23:27	
61061-3	Be	-0.02483	-0.01686	-0.03280	45.39490	ug/L	09/18/10	23:27	
61061-3	Ca	47203.32812	46936.14453	47470.51171	0.80048	ug/L	09/18/10	23:27	
61061-3	Cd	-0.30971	-0.33932	-0.28010	13.51865	ug/L	09/18/10	23:27	
61061-3	Co	0.16871	0.10109	0.23632	56.67917	ug/L	09/18/10	23:27	
61061-3	Cr	-0.31348	-0.11824	-0.50873	88.07978	ug/L	09/18/10	23:27	
61061-3	Cu	-0.24079	0.26575	-0.74733	297.50143	ug/L	09/18/10	23:27	
61061-3	Fe	0.66744	-11.78897	13.12386	2639.31396	ug/L	09/18/10	23:27	
61061-3	2Fe	0.00066	-0.01178	0.01312	2639.50512	mg/L	09/18/10	23:27	
61061-3	K	9929.48339	9848.46777	10010.49902	1.15387	ug/L	09/18/10	23:27	
61061-3	Mg	38019.60937	37822.27734	38216.94531	0.73402	ug/L	09/18/10	23:27	
61061-3	2Mg	38.00605	37.80878	38.20333	0.73405	mg/L	09/18/10	23:27	
61061-3	Mn	-0.17608	-0.13956	-0.21261	29.33268	ug/L	09/18/10	23:27	
61061-3	Mo	9.01857	8.37044	9.66671	10.16345	ug/L	09/18/10	23:27	
61061-3	Na	176368.73437	174572.42187	178165.04687	1.44037	ug/L	09/18/10	23:27	
61061-3	Ni	0.23539	0.02719	0.44359	125.08164	ug/L	09/18/10	23:27	
61061-3	Pb	0.41005	0.36681	0.45328	14.91106	ug/L	09/18/10	23:27	
61061-3	Se	8.33383	6.22680	10.44085	35.75526	ug/L	09/18/10	23:27	
61061-3	Sb	-3.46900	-6.13241	-0.80560	108.57933	ug/L	09/18/10	23:27	
61061-3	Sn	-2.54179	-4.53096	-0.55262	110.67401	ug/L	09/18/10	23:27	
61061-3	Sr	12860.37695	12792.45312	12928.30078	0.74693	ug/L	09/18/10	23:27	
61061-3	Ti	0.28305	0.22667	0.33943	28.16964	ug/L	09/18/10	23:27	
61061-3	Tl	0.12495	-2.37662	2.62652	2831.28540	ug/L	09/18/10	23:27	
61061-3	V	-1.02894	-1.06965	-0.98823	5.59548	ug/L	09/18/10	23:27	
61061-3	Zn	0.47115	0.35582	0.58649	34.61840	ug/L	09/18/10	23:27	
61061-3	2203/1	1.27492	2.14595	0.40389	96.61930	ug/L	09/18/10	23:27	
61061-3	2203/2	-0.02173	-0.52141	0.47795	3251.72607	ug/L	09/18/10	23:27	
61061-3	1960/1	8.93145	3.41489	14.44800	87.34957	ug/L	09/18/10	23:27	
61061-3	1960/2	8.03547	7.63065	8.44028	7.12463	ug/L	09/18/10	23:27	
61061-3	Y	954.35046	955.65563	953.04534	0.19340		09/18/10	23:27	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61121-1	Ag	-0.06962	-0.26525	0.12600	397.36834	ug/L	09/18/10	23:32	
61121-1	Al	11.77231	9.62421	13.92040	25.80520	ug/L	09/18/10	23:32	
61121-1	2Al	0.01177	0.00962	0.01392	25.80512	mg/L	09/18/10	23:32	
61121-1	As	18.56298	21.09147	16.03448	19.26325	ug/L	09/18/10	23:32	
61121-1	B	50.45121	51.59083	49.31160	3.19448	ug/L	09/18/10	23:32	
61121-1	Ba	64.99475	64.53371	65.45578	1.00316	ug/L	09/18/10	23:32	
61121-1	Be	-0.03002	-0.05096	-0.00907	98.65696	ug/L	09/18/10	23:32	
61121-1	Ca	26744.32031	26620.83398	26867.80859	0.65298	ug/L	09/18/10	23:32	
61121-1	Cd	-0.14943	-0.29610	-0.00277	138.79823	ug/L	09/18/10	23:32	
61121-1	Co	-0.29035	-0.56436	-0.01633	133.46286	ug/L	09/18/10	23:32	
61121-1	Cr	0.51540	1.07386	-0.04306	153.23678	ug/L	09/18/10	23:32	
61121-1	Cu	0.01324	-0.24739	0.27389	2781.94433	ug/L	09/18/10	23:32	
61121-1	Fe	144.46450	139.04696	149.88206	5.30342	ug/L	09/18/10	23:32	
61121-1	2Fe	0.14445	0.13903	0.14987	5.30353	mg/L	09/18/10	23:32	
61121-1	K	4041.37231	4004.12963	4078.61499	1.30324	ug/L	09/18/10	23:32	
61121-1	Mg	9597.39062	9557.01953	9637.76074	0.59487	ug/L	09/18/10	23:32	
61121-1	2Mg	9.59465	9.55430	9.63501	0.59486	mg/L	09/18/10	23:32	
61121-1	Mn	5.91093	5.85494	5.96693	1.33961	ug/L	09/18/10	23:32	
61121-1	Mo	26.36939	25.61567	27.12311	4.04224	ug/L	09/18/10	23:32	
61121-1	Na	20398.96679	20246.80078	20551.13281	1.05493	ug/L	09/18/10	23:32	
61121-1	Ni	0.43508	-0.52884	1.39900	313.31912	ug/L	09/18/10	23:32	
61121-1	Pb	-0.95080	-0.67277	-1.22882	41.35301	ug/L	09/18/10	23:32	
61121-1	Se	10.05976	11.59257	8.52695	21.54842	ug/L	09/18/10	23:32	
61121-1	Sb	-6.47449	-6.11812	-6.83086	7.78416	ug/L	09/18/10	23:32	
61121-1	Sn	-0.52734	-2.82761	1.77291	616.87249	ug/L	09/18/10	23:32	
61121-1	Sr	3816.83569	3798.11938	3835.55200	0.69347	ug/L	09/18/10	23:32	
61121-1	Ti	0.32238	0.35422	0.29055	13.96424	ug/L	09/18/10	23:32	
61121-1	Tl	2.91259	0.89057	4.93461	98.17948	ug/L	09/18/10	23:32	
61121-1	V	0.87417	0.12384	1.62450	121.38668	ug/L	09/18/10	23:32	
61121-1	Zn	1.16963	1.19787	1.14138	3.41525	ug/L	09/18/10	23:32	
61121-1	2203/1	-2.34717	-3.31213	-1.38222	58.14037	ug/L	09/18/10	23:32	
61121-1	2203/2	-0.25365	0.64492	-1.15224	500.98446	ug/L	09/18/10	23:32	
61121-1	1960/1	10.22966	16.31753	4.14179	84.16259	ug/L	09/18/10	23:32	
61121-1	1960/2	9.97478	9.23348	10.71609	10.51009	ug/L	09/18/10	23:32	
61121-1	Y	966.76019	967.31890	966.20147	0.08173		09/18/10	23:32	
61121-3	Ag	0.34980	0.71942	-0.01982	149.43675	ug/L	09/18/10	23:37	
61121-3	Al	11.28543	14.51166	8.05921	40.42884	ug/L	09/18/10	23:37	
61121-3	2Al	0.01128	0.01451	0.00806	40.42874	mg/L	09/18/10	23:37	
61121-3	As	-1.50505	-2.41402	-0.59607	85.41152	ug/L	09/18/10	23:37	
61121-3	B	85.98745	85.86859	86.10632	0.19549	ug/L	09/18/10	23:37	
61121-3	Ba	27.87436	27.72832	28.02039	0.74092	ug/L	09/18/10	23:37	
61121-3	Be	-0.00798	-0.00725	-0.00872	13.02120	ug/L	09/18/10	23:37	
61121-3	Ca	46789.64843	46643.83984	46935.45312	0.44069	ug/L	09/18/10	23:37	
61121-3	Cd	-0.28322	-0.61073	0.04428	163.53125	ug/L	09/18/10	23:37	
61121-3	Co	-0.41294	-0.33205	-0.49383	27.70337	ug/L	09/18/10	23:37	
61121-3	Cr	-0.31315	-0.42999	-0.19631	52.76609	ug/L	09/18/10	23:37	
61121-3	Cu	0.07778	0.19691	-0.04134	216.60009	ug/L	09/18/10	23:37	
61121-3	Fe	1.76633	0.13245	3.40022	130.81671	ug/L	09/18/10	23:37	
61121-3	2Fe	0.00176	0.00013	0.00339	130.83094	mg/L	09/18/10	23:37	
61121-3	K	6116.56445	6090.38134	6142.74755	0.60538	ug/L	09/18/10	23:37	
61121-3	Mg	34084.74609	33995.14843	34174.34375	0.37175	ug/L	09/18/10	23:37	
61121-3	2Mg	34.07512	33.98554	34.16469	0.37176	mg/L	09/18/10	23:37	
61121-3	Mn	-0.13458	-0.12836	-0.14079	6.53124	ug/L	09/18/10	23:37	
61121-3	Mo	12.93333	14.07441	11.79224	12.47740	ug/L	09/18/10	23:37	
61121-3	Na	104089.35937	103156.67968	105022.03906	1.26718	ug/L	09/18/10	23:37	
61121-3	Ni	0.80813	1.17048	0.44577	63.41083	ug/L	09/18/10	23:37	
61121-3	Pb	0.96628	-0.38424	2.31681	197.65832	ug/L	09/18/10	23:37	
61121-3	Se	15.14365	12.46477	17.82253	25.01717	ug/L	09/18/10	23:37	
61121-3	Sb	-0.74288	1.41611	-2.90188	411.00476	ug/L	09/18/10	23:37	
61121-3	Sn	-3.31551	-5.99290	-0.63812	114.20246	ug/L	09/18/10	23:37	
61121-3	Sr	14960.65234	14916.35742	15004.94628	0.41871	ug/L	09/18/10	23:37	
61121-3	Ti	0.21583	0.40183	0.02984	121.86488	ug/L	09/18/10	23:37	
61121-3	Tl	5.17254	5.28916	5.05592	3.18845	ug/L	09/18/10	23:37	
61121-3	V	-0.62668	-0.86676	-0.38660	54.17782	ug/L	09/18/10	23:37	
61121-3	Zn	-0.41673	-0.27403	-0.55943	48.42649	ug/L	09/18/10	23:37	
61121-3	2203/1	3.05111	2.75435	3.34787	13.75504	ug/L	09/18/10	23:37	
61121-3	2203/2	-0.07456	-1.95119	1.80206	3559.20776	ug/L	09/18/10	23:37	
61121-3	1960/1	15.85508	14.81603	16.89413	9.26794	ug/L	09/18/10	23:37	
61121-3	1960/2	14.78847	11.29090	18.28604	33.44708	ug/L	09/18/10	23:37	
61121-3	Y	957.92541	958.98175	956.86907	0.15594		09/18/10	23:37	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	487.86758	490.46154	485.27362	0.75192	ug/L	09/18/10	23:42	
CCV	Al	4871.11230	4880.99560	4861.22851	0.28694	ug/L	09/18/10	23:42	
CCV	2Al	4.87134	4.88143	4.86125	0.29298	mg/L	09/18/10	23:42	
CCV	As	497.62335	497.33666	497.91006	0.08147	ug/L	09/18/10	23:42	
CCV	B	4911.00097	4926.38769	4895.61474	0.44308	ug/L	09/18/10	23:42	
CCV	Ba	4907.87255	4922.10498	4893.64013	0.41011	ug/L	09/18/10	23:42	
CCV	Be	492.29925	494.22680	490.37173	0.55371	ug/L	09/18/10	23:42	
CCV	Ca	4913.87695	4927.61718	4900.13671	0.39544	ug/L	09/18/10	23:42	
CCV	Cd	499.82876	500.64285	499.01467	0.23033	ug/L	09/18/10	23:42	
CCV	Co	490.68145	492.23519	489.12774	0.44780	ug/L	09/18/10	23:42	
CCV	Cr	4961.53125	4977.61425	4945.44775	0.45843	ug/L	09/18/10	23:42	
CCV	Cu	4869.00390	4885.72705	4852.28027	0.48573	ug/L	09/18/10	23:42	
CCV	Fe	4878.64550	4896.64306	4860.64843	0.52170	ug/L	09/18/10	23:42	
CCV	2Fe	4.87890	4.89690	4.86090	0.52167	mg/L	09/18/10	23:42	
CCV	K	9753.93554	9780.43164	9727.44042	0.38415	ug/L	09/18/10	23:42	
CCV	Mg	4987.76708	5005.66894	4969.86523	0.50758	ug/L	09/18/10	23:42	
CCV	2Mg	4.98777	5.00567	4.96987	0.50756	mg/L	09/18/10	23:42	
CCV	Mn	4958.11132	4974.91259	4941.31054	0.47921	ug/L	09/18/10	23:42	
CCV	Mo	498.53656	500.40155	496.67153	0.52905	ug/L	09/18/10	23:42	
CCV	Na	7225.73535	7197.43994	7254.03076	0.55379	ug/L	09/18/10	23:42	
CCV	Ni	2485.80444	2494.36303	2477.24584	0.48691	ug/L	09/18/10	23:42	
CCV	Pb	505.71276	509.20214	502.22338	0.97579	ug/L	09/18/10	23:42	
CCV	Se	5020.18750	5038.70019	5001.67431	0.52151	ug/L	09/18/10	23:42	
CCV	Sb	493.71661	489.80523	497.62802	1.12038	ug/L	09/18/10	23:42	
CCV	Sn	5014.05664	5024.23535	5003.87792	0.28709	ug/L	09/18/10	23:42	
CCV	Sr	2479.17919	2482.71020	2475.64843	0.20141	ug/L	09/18/10	23:42	
CCV	Ti	490.63708	492.32049	488.95367	0.48522	ug/L	09/18/10	23:42	
CCV	Tl	5045.06738	5056.75537	5033.37939	0.32763	ug/L	09/18/10	23:42	
CCV	V	4918.57373	4930.97900	4906.16845	0.35668	ug/L	09/18/10	23:42	
CCV	Zn	2493.86669	2502.56469	2485.16894	0.49323	ug/L	09/18/10	23:42	
CCV	2203/1	504.47436	508.06399	500.88473	1.00629	ug/L	09/18/10	23:42	
CCV	2203/2	506.32672	509.76605	502.88739	0.96063	ug/L	09/18/10	23:42	
CCV	1960/1	4986.29150	5009.05371	4963.52929	0.64558	ug/L	09/18/10	23:42	
CCV	1960/2	5037.10986	5053.50146	5020.71826	0.46020	ug/L	09/18/10	23:42	
CCV	Y	955.25402	951.82318	958.68493	0.50792		09/18/10	23:42	
CCB	Ag	0.37443	0.37633	0.37254	0.71556	ug/L	09/18/10	23:48	
CCB	Al	8.83418	16.89379	0.77458	129.02153	ug/L	09/18/10	23:48	
CCB	2Al	0.00883	0.01689	0.00077	129.02171	mg/L	09/18/10	23:48	
CCB	As	-2.96580	-3.43095	-2.50066	22.17991	ug/L	09/18/10	23:48	
CCB	B	27.41092	29.81484	25.00699	12.40258	ug/L	09/18/10	23:48	
CCB	Ba	0.63997	0.02555	1.25439	135.77462	ug/L	09/18/10	23:48	
CCB	Be	0.07005	0.00375	0.13635	133.84539	ug/L	09/18/10	23:48	
CCB	Ca	1.31311	-0.67763	3.30386	214.40254	ug/L	09/18/10	23:48	
CCB	Cd	0.24756	0.13063	0.36448	66.79448	ug/L	09/18/10	23:48	
CCB	Co	-0.45323	-0.17954	-0.72692	85.39849	ug/L	09/18/10	23:48	
CCB	Cr	0.71633	0.42874	1.00393	56.77757	ug/L	09/18/10	23:48	
CCB	Cu	1.17537	0.86348	1.48725	37.52647	ug/L	09/18/10	23:48	
CCB	Fe	9.34740	9.90630	8.78851	8.45579	ug/L	09/18/10	23:48	
CCB	2Fe	0.00934	0.00990	0.00878	8.45646	mg/L	09/18/10	23:48	
CCB	K	-7.51458	-20.13431	5.10513	237.49781	ug/L	09/18/10	23:48	
CCB	Mg	2.73516	1.33172	4.13860	72.56470	ug/L	09/18/10	23:48	
CCB	2Mg	0.00273	0.00132	0.00413	72.61701	mg/L	09/18/10	23:48	
CCB	Mn	0.84699	0.26095	1.43303	97.85060	ug/L	09/18/10	23:48	
CCB	Mo	0.52382	0.37661	0.67104	39.74462	ug/L	09/18/10	23:48	
CCB	Na	-230.44413	-371.69418	-89.19408	86.68379	ug/L	09/18/10	23:48	
CCB	Ni	1.32694	0.40689	2.24698	98.05554	ug/L	09/18/10	23:48	
CCB	Pb	0.84614	1.53354	0.15875	114.88780	ug/L	09/18/10	23:48	
CCB	Se	4.28741	3.07648	5.49834	39.94271	ug/L	09/18/10	23:48	
CCB	Sb	-2.19595	-4.92021	0.52831	175.44511	ug/L	09/18/10	23:48	
CCB	Sn	0.91357	-0.42890	2.25605	207.81607	ug/L	09/18/10	23:48	
CCB	Sr	0.48703	0.12135	0.85271	106.18395	ug/L	09/18/10	23:48	
CCB	Ti	0.44472	0.37879	0.51065	20.96500	ug/L	09/18/10	23:48	
CCB	Tl	5.63985	5.69213	5.58756	1.31110	ug/L	09/18/10	23:48	
CCB	V	1.45335	0.98936	1.91735	45.14990	ug/L	09/18/10	23:48	
CCB	Zn	0.26908	0.18520	0.35295	44.08327	ug/L	09/18/10	23:48	
CCB	2203/1	0.01611	-1.18642	1.21866	10550.08496	ug/L	09/18/10	23:48	
CCB	2203/2	1.26053	2.89148	-0.37041	182.97850	ug/L	09/18/10	23:48	
CCB	1960/1	1.86709	-2.30539	6.03957	316.04119	ug/L	09/18/10	23:48	
CCB	1960/2	5.49576	5.76339	5.22813	6.88688	ug/L	09/18/10	23:48	
CCB	Y	958.80712	955.12310	962.49121	0.54338		09/18/10	23:48	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61122-1	Ag	0.54822	0.22632	0.87013	83.03908	ug/L	09/18/10	23:53	
61122-1	Al	20.00147	15.00879	24.99416	35.30099	ug/L	09/18/10	23:53	
61122-1	2Al	0.02000	0.01501	0.02499	35.30109	mg/L	09/18/10	23:53	
61122-1	As	-1.00108	-4.56228	2.56011	503.08303	ug/L	09/18/10	23:53	
61122-1	B	167.01327	166.78880	167.23773	0.19006	ug/L	09/18/10	23:53	
61122-1	Ba	6.35586	6.42034	6.29138	1.43472	ug/L	09/18/10	23:53	
61122-1	Be	0.02331	0.03500	0.01162	70.90271	ug/L	09/18/10	23:53	
61122-1	Ca	33256.39062	33123.91406	33388.87109	0.56335	ug/L	09/18/10	23:53	
61122-1	Cd	-0.11269	0.00449	-0.22988	147.06379	ug/L	09/18/10	23:53	
61122-1	Co	-0.51751	-0.17450	-0.86052	93.73548	ug/L	09/18/10	23:53	
61122-1	Cr	-0.25372	-0.66245	0.15499	227.81202	ug/L	09/18/10	23:53	
61122-1	Cu	2.31096	2.32997	2.29195	1.16327	ug/L	09/18/10	23:53	
61122-1	Fe	32.01593	42.19616	21.83571	44.96827	ug/L	09/18/10	23:53	
61122-1	2Fe	0.03201	0.04219	0.02183	44.96897	mg/L	09/18/10	23:53	
61122-1	K	6468.79589	6452.50927	6485.08251	0.35605	ug/L	09/18/10	23:53	
61122-1	Mg	7880.61718	7853.91992	7907.31445	0.47909	ug/L	09/18/10	23:53	
61122-1	2Mg	7.87839	7.85170	7.90508	0.47913	mg/L	09/18/10	23:53	
61122-1	Mn	17.24208	17.24389	17.24027	0.01485	ug/L	09/18/10	23:53	
61122-1	Mo	1.64122	2.75687	0.52558	96.13278	ug/L	09/18/10	23:53	
61122-1	Na	28321.20312	28377.60351	28264.80273	0.28163	ug/L	09/18/10	23:53	
61122-1	Ni	0.86072	1.27517	0.44628	68.09471	ug/L	09/18/10	23:53	
61122-1	Pb	0.54880	0.54311	0.55450	1.46842	ug/L	09/18/10	23:53	
61122-1	Se	1.98843	6.30334	-2.32647	306.88467	ug/L	09/18/10	23:53	
61122-1	Sb	-2.74347	-4.39192	-1.09502	84.97484	ug/L	09/18/10	23:53	
61122-1	Sn	-1.85534	0.59606	-4.30675	186.85575	ug/L	09/18/10	23:53	
61122-1	Sr	72.99504	72.79101	73.19905	0.39527	ug/L	09/18/10	23:53	
61122-1	Ti	0.23919	0.31574	0.16264	45.25933	ug/L	09/18/10	23:53	
61122-1	Tl	7.69435	8.47254	6.91616	14.30308	ug/L	09/18/10	23:53	
61122-1	V	1.77954	2.26851	1.29058	38.85832	ug/L	09/18/10	23:53	
61122-1	Zn	18.62367	18.47859	18.76875	1.10170	ug/L	09/18/10	23:53	
61122-1	2203/1	2.30950	1.89751	2.72149	25.22776	ug/L	09/18/10	23:53	
61122-1	2203/2	-0.33021	-0.13307	-0.52735	84.42897	ug/L	09/18/10	23:53	
61122-1	1960/1	1.75399	5.47753	-1.96953	300.22100	ug/L	09/18/10	23:53	
61122-1	1960/2	2.10547	6.71563	-2.50467	309.65612	ug/L	09/18/10	23:53	
61122-1	Y	957.79443	959.33093	956.25799	0.22686		09/18/10	23:53	
21993-1	Ag	-0.33636	-0.02158	-0.65113	132.34410	ug/L	09/18/10	23:58	
21993-1	Al	14.72570	18.50751	10.94389	36.31938	ug/L	09/18/10	23:58	
21993-1	2Al	0.01472	0.01850	0.01094	36.31938	mg/L	09/18/10	23:58	
21993-1	As	-0.75122	-0.29862	-1.20381	85.20295	ug/L	09/18/10	23:58	
21993-1	B	44.32812	43.96815	44.68808	1.14839	ug/L	09/18/10	23:58	
21993-1	Ba	46.87482	46.78464	46.96500	0.27205	ug/L	09/18/10	23:58	
21993-1	Be	-0.01570	-0.00591	-0.02550	88.21479	ug/L	09/18/10	23:58	
21993-1	Ca	8924.28808	8887.12304	8961.45312	0.58894	ug/L	09/18/10	23:58	
21993-1	Cd	-0.25243	-0.11350	-0.39136	77.83235	ug/L	09/18/10	23:58	
21993-1	Co	0.05029	-0.10385	0.20445	433.43841	ug/L	09/18/10	23:58	
21993-1	Cr	-0.37119	-0.46666	-0.27572	36.37471	ug/L	09/18/10	23:58	
21993-1	Cu	13.33274	13.06972	13.59576	2.78986	ug/L	09/18/10	23:58	
21993-1	Fe	3.26012	9.64468	-3.12443	276.95660	ug/L	09/18/10	23:58	
21993-1	2Fe	0.00325	0.00964	-0.00312	276.95098	mg/L	09/18/10	23:58	
21993-1	K	3160.59204	3155.01391	3166.17016	0.24959	ug/L	09/18/10	23:58	
21993-1	Mg	3190.41064	3180.44531	3200.37622	0.44173	ug/L	09/18/10	23:58	
21993-1	2Mg	3.18951	3.17954	3.19947	0.44178	mg/L	09/18/10	23:58	
21993-1	Mn	1.57805	1.60341	1.55269	2.27297	ug/L	09/18/10	23:58	
21993-1	Mo	0.69963	0.59059	0.80867	22.04179	ug/L	09/18/10	23:58	
21993-1	Na	19140.73437	19140.98632	19140.48437	0.00185	ug/L	09/18/10	23:58	
21993-1	Ni	1.24012	0.93763	1.54261	34.49539	ug/L	09/18/10	23:58	
21993-1	Pb	2.17763	1.26225	3.09301	59.44704	ug/L	09/18/10	23:58	
21993-1	Se	5.20056	6.20769	4.19344	27.38722	ug/L	09/18/10	23:58	
21993-1	Sb	-3.65389	-6.15184	-1.15595	96.68107	ug/L	09/18/10	23:58	
21993-1	Sn	-0.24431	0.67208	-1.16071	530.45739	ug/L	09/18/10	23:58	
21993-1	Sr	86.65907	86.33032	86.98781	0.53649	ug/L	09/18/10	23:58	
21993-1	Ti	0.29099	0.34422	0.23776	25.86968	ug/L	09/18/10	23:58	
21993-1	Tl	2.80053	-5.24289	10.84397	406.17672	ug/L	09/18/10	23:58	
21993-1	V	0.43679	0.87003	0.00355	140.26937	ug/L	09/18/10	23:58	
21993-1	Zn	23.38274	23.24290	23.52258	0.84575	ug/L	09/18/10	23:58	
21993-1	2203/1	0.73631	0.57177	0.90086	31.60337	ug/L	09/18/10	23:58	
21993-1	2203/2	2.89725	1.60706	4.18744	62.97685	ug/L	09/18/10	23:58	
21993-1	1960/1	1.06505	3.56058	-1.43047	331.36505	ug/L	09/18/10	23:58	
21993-1	1960/2	7.26522	7.52926	7.00118	5.13969	ug/L	09/18/10	23:58	
21993-1	Y	975.43347	974.25927	976.60760	0.17023		09/18/10	23:58	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
21993-2	Ag	-0.04532	-0.36339	0.27275	992.52703	ug/L	09/19/10	00:03	
21993-2	Al	23.20976	19.97209	26.44743	19.72771	ug/L	09/19/10	00:03	
21993-2	2Al	0.02321	0.01997	0.02645	19.72775	mg/L	09/19/10	00:03	
21993-2	As	1.07409	1.65100	0.49719	75.95827	ug/L	09/19/10	00:03	
21993-2	B	44.30532	45.18031	43.43033	2.79293	ug/L	09/19/10	00:03	
21993-2	Ba	53.24382	53.21164	53.27600	0.08547	ug/L	09/19/10	00:03	
21993-2	Be	-0.00026	-0.01107	0.01053	5716.93750	ug/L	09/19/10	00:03	
21993-2	Ca	9691.91992	9666.28808	9717.55175	0.37401	ug/L	09/19/10	00:03	
21993-2	Cd	-0.05833	0.02113	-0.13780	192.64634	ug/L	09/19/10	00:03	
21993-2	Co	-0.03575	0.31448	-0.38598	1385.39794	ug/L	09/19/10	00:03	
21993-2	Cr	0.16910	0.38149	-0.04328	177.62179	ug/L	09/19/10	00:03	
21993-2	Cu	2.28925	2.21921	2.35929	4.32677	ug/L	09/19/10	00:03	
21993-2	Fe	154.72286	158.48460	150.96113	3.43833	ug/L	09/19/10	00:03	
21993-2	2Fe	0.15471	0.15847	0.15094	3.43842	mg/L	09/19/10	00:03	
21993-2	K	3262.81835	3244.38085	3281.25561	0.79913	ug/L	09/19/10	00:03	
21993-2	Mg	3055.94189	3044.25219	3067.63183	0.54097	ug/L	09/19/10	00:03	
21993-2	2Mg	3.05507	3.04338	3.06676	0.54100	mg/L	09/19/10	00:03	
21993-2	Mn	48.77003	48.73698	48.80308	0.09583	ug/L	09/19/10	00:03	
21993-2	Mo	1.18621	1.18652	1.18590	0.03702	ug/L	09/19/10	00:03	
21993-2	Na	19400.82812	19094.52929	19707.12500	2.23274	ug/L	09/19/10	00:03	
21993-2	Ni	1.25076	1.92049	0.58103	75.72471	ug/L	09/19/10	00:03	
21993-2	Pb	-0.17712	0.37056	-0.72481	437.28753	ug/L	09/19/10	00:03	
21993-2	Se	5.28981	5.67329	4.90634	10.25198	ug/L	09/19/10	00:03	
21993-2	Sb	-0.78117	-1.88412	0.32178	199.67745	ug/L	09/19/10	00:03	
21993-2	Sn	3.21861	1.31621	5.12101	83.58872	ug/L	09/19/10	00:03	
21993-2	Sr	90.54034	90.21791	90.86277	0.50363	ug/L	09/19/10	00:03	
21993-2	Ti	0.21835	0.30505	0.13165	56.15322	ug/L	09/19/10	00:03	
21993-2	Tl	3.60190	5.25491	1.94890	64.90168	ug/L	09/19/10	00:03	
21993-2	V	0.74161	0.76746	0.71577	4.92889	ug/L	09/19/10	00:03	
21993-2	Zn	0.43440	0.51981	0.34899	27.80500	ug/L	09/19/10	00:03	
21993-2	2203/1	-0.29965	1.17415	-1.77347	695.55310	ug/L	09/19/10	00:03	
21993-2	2203/2	-0.11595	-0.03062	-0.20128	104.06841	ug/L	09/19/10	00:03	
21993-2	1960/1	1.40409	-1.14622	3.95441	256.86975	ug/L	09/19/10	00:03	
21993-2	1960/2	7.22976	9.07793	5.38159	36.15201	ug/L	09/19/10	00:03	
21993-2	Y	966.03558	965.76495	966.30621	0.03961		09/19/10	00:03	
61061-1 1/20	Ag	-0.36461	-0.51211	-0.21711	57.21063	ug/L	09/19/10	00:08	
61061-1 1/20	Al	6.51804	4.35787	8.67820	46.86885	ug/L	09/19/10	00:08	
61061-1 1/20	2Al	0.00651	0.00435	0.00867	46.86877	mg/L	09/19/10	00:08	
61061-1 1/20	As	-0.41891	-1.39166	0.55383	328.39172	ug/L	09/19/10	00:08	
61061-1 1/20	B	15.05784	13.49340	16.62227	14.69296	ug/L	09/19/10	00:08	
61061-1 1/20	Ba	4.21276	4.21731	4.20820	0.15299	ug/L	09/19/10	00:08	
61061-1 1/20	Be	-0.02843	-0.02806	-0.02881	1.87583	ug/L	09/19/10	00:08	
61061-1 1/20	Ca	1349.87231	1348.86950	1350.87500	0.10505	ug/L	09/19/10	00:08	
61061-1 1/20	Cd	-0.35660	-0.30054	-0.41265	22.22908	ug/L	09/19/10	00:08	
61061-1 1/20	Co	-0.20293	-0.67075	0.26487	326.00610	ug/L	09/19/10	00:08	
61061-1 1/20	Cr	-0.17741	-0.39095	0.03611	170.21176	ug/L	09/19/10	00:08	
61061-1 1/20	Cu	-0.79099	-0.99741	-0.58458	36.90453	ug/L	09/19/10	00:08	
61061-1 1/20	Fe	1.74143	-1.99499	5.47786	303.43444	ug/L	09/19/10	00:08	
61061-1 1/20	2Fe	0.00174	-0.00199	0.00547	303.46578	mg/L	09/19/10	00:08	
61061-1 1/20	K	160.55325	160.21464	160.89187	0.29826	ug/L	09/19/10	00:08	
61061-1 1/20	Mg	521.36914	522.49584	520.24249	0.30561	ug/L	09/19/10	00:08	
61061-1 1/20	2Mg	0.52122	0.52234	0.52009	0.30577	mg/L	09/19/10	00:08	
61061-1 1/20	Mn	0.17888	0.13750	0.22025	32.71298	ug/L	09/19/10	00:08	
61061-1 1/20	Mo	1.45207	2.23168	0.67246	75.92858	ug/L	09/19/10	00:08	
61061-1 1/20	Na	820.32434	725.62420	915.02441	16.32600	ug/L	09/19/10	00:08	
61061-1 1/20	Ni	0.36678	-0.00179	0.73536	142.11466	ug/L	09/19/10	00:08	
61061-1 1/20	Pb	-1.53022	-2.19862	-0.86182	61.77278	ug/L	09/19/10	00:08	
61061-1 1/20	Se	3.54537	4.04924	3.04149	20.09913	ug/L	09/19/10	00:08	
61061-1 1/20	Sb	-5.80644	-6.76880	-4.84408	23.43912	ug/L	09/19/10	00:08	
61061-1 1/20	Sn	-1.65938	-0.38515	-2.93360	108.59629	ug/L	09/19/10	00:08	
61061-1 1/20	Sr	229.58023	229.79855	229.36190	0.13448	ug/L	09/19/10	00:08	
61061-1 1/20	Ti	0.06221	-0.02504	0.14948	198.34233	ug/L	09/19/10	00:08	
61061-1 1/20	Tl	0.33846	-0.66310	1.34003	418.49188	ug/L	09/19/10	00:08	
61061-1 1/20	V	-0.38740	-0.51768	-0.25712	47.55953	ug/L	09/19/10	00:08	
61061-1 1/20	Zn	0.58016	0.46557	0.69476	27.93294	ug/L	09/19/10	00:08	
61061-1 1/20	2203/1	-3.27265	-4.63462	-1.91068	58.85493	ug/L	09/19/10	00:08	
61061-1 1/20	2203/2	-0.66031	-0.98245	-0.33818	68.99259	ug/L	09/19/10	00:08	
61061-1 1/20	1960/1	0.49320	1.47474	-0.48833	281.44491	ug/L	09/19/10	00:08	
61061-1 1/20	1960/2	5.06916	5.33457	4.80376	7.40432	ug/L	09/19/10	00:08	
61061-1 1/20	Y	960.70153	961.20788	960.19525	0.07453		09/19/10	00:08	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61061-2 1/20	Ag	-0.58858	-0.61215	-0.56502	5.66153	ug/L	09/19/10	00:13	
61061-2 1/20	Al	11.71195	18.42664	4.99726	81.07963	ug/L	09/19/10	00:13	
61061-2 1/20	2Al	0.01171	0.01842	0.00499	81.07964	mg/L	09/19/10	00:13	
61061-2 1/20	As	-1.59313	0.69024	-3.87650	202.69430	ug/L	09/19/10	00:13	
61061-2 1/20	B	17.58163	16.88501	18.27825	5.60342	ug/L	09/19/10	00:13	
61061-2 1/20	Ba	1.95022	1.93861	1.96183	0.84189	ug/L	09/19/10	00:13	
61061-2 1/20	Be	-0.02457	-0.03028	-0.01886	32.87009	ug/L	09/19/10	00:13	
61061-2 1/20	Ca	2526.07421	2525.60766	2526.54077	0.02611	ug/L	09/19/10	00:13	
61061-2 1/20	Cd	-0.25345	-0.11523	-0.39167	77.12518	ug/L	09/19/10	00:13	
61061-2 1/20	Co	-0.75425	-0.67611	-0.83239	14.65124	ug/L	09/19/10	00:13	
61061-2 1/20	Cr	-0.25521	0.03716	-0.54760	162.01660	ug/L	09/19/10	00:13	
61061-2 1/20	Cu	-0.71228	-0.38100	-1.04355	65.77331	ug/L	09/19/10	00:13	
61061-2 1/20	Fe	-3.56376	-14.92282	7.79530	450.76358	ug/L	09/19/10	00:13	
61061-2 1/20	2Fe	-0.00356	-0.01492	0.00779	450.73394	mg/L	09/19/10	00:13	
61061-2 1/20	K	377.41696	372.11798	382.71594	1.98557	ug/L	09/19/10	00:13	
61061-2 1/20	Mg	1724.85900	1724.77819	1724.93981	0.00662	ug/L	09/19/10	00:13	
61061-2 1/20	2Mg	1.72437	1.72429	1.72445	0.00646	mg/L	09/19/10	00:13	
61061-2 1/20	Mn	0.58732	0.56780	0.60684	4.69984	ug/L	09/19/10	00:13	
61061-2 1/20	Mo	1.23806	0.30119	2.17493	107.01615	ug/L	09/19/10	00:13	
61061-2 1/20	Na	10205.43554	10257.95312	10152.91894	0.72775	ug/L	09/19/10	00:13	
61061-2 1/20	Ni	-0.50164	-0.72247	-0.28082	62.25444	ug/L	09/19/10	00:13	
61061-2 1/20	Pb	-0.81017	-0.81979	-0.80056	1.67833	ug/L	09/19/10	00:13	
61061-2 1/20	Se	4.23243	9.03359	-0.56873	160.42480	ug/L	09/19/10	00:13	
61061-2 1/20	Sb	0.53311	1.54725	-0.48102	269.02584	ug/L	09/19/10	00:13	
61061-2 1/20	Sn	-0.46292	-0.58760	-0.33825	38.08739	ug/L	09/19/10	00:13	
61061-2 1/20	Sr	681.75762	683.37182	680.14343	0.33484	ug/L	09/19/10	00:13	
61061-2 1/20	Ti	-0.00726	-0.19288	0.17835	3612.91308	ug/L	09/19/10	00:13	
61061-2 1/20	Tl	4.18421	6.32049	2.04793	72.20370	ug/L	09/19/10	00:13	
61061-2 1/20	V	0.21689	0.40126	0.03252	120.21353	ug/L	09/19/10	00:13	
61061-2 1/20	Zn	-0.24523	-0.21628	-0.27419	16.69969	ug/L	09/19/10	00:13	
61061-2 1/20	2203/1	0.41924	-1.28228	2.12076	573.96911	ug/L	09/19/10	00:13	
61061-2 1/20	2203/2	-1.42396	-0.58889	-2.25903	82.93516	ug/L	09/19/10	00:13	
61061-2 1/20	1960/1	3.17309	5.99160	0.35458	125.61772	ug/L	09/19/10	00:13	
61061-2 1/20	1960/2	4.76129	10.55228	-1.02969	172.00579	ug/L	09/19/10	00:13	
61061-2 1/20	Y	955.56396	957.95159	953.17633	0.35336		09/19/10	00:13	
61061-3 1/20	Ag	0.37010	0.46693	0.27326	37.00053	ug/L	09/19/10	00:19	
61061-3 1/20	Al	10.20016	8.70583	11.69449	20.71837	ug/L	09/19/10	00:19	
61061-3 1/20	2Al	0.01020	0.00870	0.01169	20.71844	mg/L	09/19/10	00:19	
61061-3 1/20	As	-4.97045	-7.22169	-2.71921	64.05310	ug/L	09/19/10	00:19	
61061-3 1/20	B	17.11515	16.85826	17.37203	2.12259	ug/L	09/19/10	00:19	
61061-3 1/20	Ba	1.18165	1.12563	1.23768	6.70533	ug/L	09/19/10	00:19	
61061-3 1/20	Be	0.01075	0.01191	0.00960	15.18925	ug/L	09/19/10	00:19	
61061-3 1/20	Ca	2376.94287	2376.22460	2377.66137	0.04274	ug/L	09/19/10	00:19	
61061-3 1/20	Cd	-0.29869	-0.32253	-0.27485	11.28744	ug/L	09/19/10	00:19	
61061-3 1/20	Co	0.02250	0.30876	-0.26375	1798.88000	ug/L	09/19/10	00:19	
61061-3 1/20	Cr	-0.25474	-0.73674	0.22726	267.58587	ug/L	09/19/10	00:19	
61061-3 1/20	Cu	-0.07526	0.10865	-0.25918	345.56307	ug/L	09/19/10	00:19	
61061-3 1/20	Fe	5.43794	6.47881	4.39708	27.06912	ug/L	09/19/10	00:19	
61061-3 1/20	2Fe	0.00543	0.00647	0.00439	27.07288	mg/L	09/19/10	00:19	
61061-3 1/20	K	373.69244	383.17370	364.21115	3.58812	ug/L	09/19/10	00:19	
61061-3 1/20	Mg	1906.54333	1902.81933	1910.26733	0.27623	ug/L	09/19/10	00:19	
61061-3 1/20	2Mg	1.90600	1.90228	1.90972	0.27624	mg/L	09/19/10	00:19	
61061-3 1/20	Mn	-0.04211	-0.04805	-0.03617	19.94519	ug/L	09/19/10	00:19	
61061-3 1/20	Mo	-1.25265	-0.65934	-1.84597	66.98324	ug/L	09/19/10	00:19	
61061-3 1/20	Na	7496.18164	7652.25927	7340.10449	2.94452	ug/L	09/19/10	00:19	
61061-3 1/20	Ni	-0.66756	-1.41253	0.07739	157.81723	ug/L	09/19/10	00:19	
61061-3 1/20	Pb	1.45958	1.31587	1.60329	13.92433	ug/L	09/19/10	00:19	
61061-3 1/20	Se	5.23540	3.31311	7.15769	51.92582	ug/L	09/19/10	00:19	
61061-3 1/20	Sb	-0.21161	2.07728	-2.50051	1529.64978	ug/L	09/19/10	00:19	
61061-3 1/20	Sn	-1.61562	-2.22068	-1.01055	52.96395	ug/L	09/19/10	00:19	
61061-3 1/20	Sr	693.19543	693.40924	692.98168	0.04361	ug/L	09/19/10	00:19	
61061-3 1/20	Ti	0.30169	0.13911	0.46427	76.21070	ug/L	09/19/10	00:19	
61061-3 1/20	Tl	2.43583	0.02741	4.84426	139.82995	ug/L	09/19/10	00:19	
61061-3 1/20	V	-0.01967	0.46867	-0.50803	3509.52929	ug/L	09/19/10	00:19	
61061-3 1/20	Zn	0.15041	0.12062	0.18021	28.01275	ug/L	09/19/10	00:19	
61061-3 1/20	2203/1	0.98911	-0.34370	2.32193	190.56391	ug/L	09/19/10	00:19	
61061-3 1/20	2203/2	1.69446	2.14441	1.24450	37.55351	ug/L	09/19/10	00:19	
61061-3 1/20	1960/1	1.22908	-0.52088	2.97904	201.35520	ug/L	09/19/10	00:19	
61061-3 1/20	1960/2	7.23554	5.22723	9.24385	39.25307	ug/L	09/19/10	00:19	
61061-3 1/20	Y	966.93041	968.82049	965.04040	0.27643		09/19/10	00:19	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61121-1 1/20	Ag	-0.46173	-0.51141	-0.41205	15.21549	ug/L	09/19/10	00:24	
61121-1 1/20	Al	6.06925	6.11488	6.02362	1.06326	ug/L	09/19/10	00:24	
61121-1 1/20	2Al	0.00606	0.00611	0.00602	1.06340	mg/L	09/19/10	00:24	
61121-1 1/20	As	-0.80556	-1.67360	0.06246	152.38716	ug/L	09/19/10	00:24	
61121-1 1/20	B	14.94317	15.50595	14.38038	5.32618	ug/L	09/19/10	00:24	
61121-1 1/20	Ba	2.94209	2.95460	2.92959	0.60094	ug/L	09/19/10	00:24	
61121-1 1/20	Be	-0.01168	-0.02704	0.00366	185.78068	ug/L	09/19/10	00:24	
61121-1 1/20	Ca	1353.58178	1355.53662	1351.62695	0.20423	ug/L	09/19/10	00:24	
61121-1 1/20	Cd	-0.41602	-0.49657	-0.33547	27.38160	ug/L	09/19/10	00:24	
61121-1 1/20	Co	-0.46662	-1.24559	0.31235	236.08770	ug/L	09/19/10	00:24	
61121-1 1/20	Cr	0.55569	0.49949	0.61189	14.30247	ug/L	09/19/10	00:24	
61121-1 1/20	Cu	0.07052	-0.57087	0.71192	1286.20520	ug/L	09/19/10	00:24	
61121-1 1/20	Fe	-1.48874	-6.25378	3.27629	452.64785	ug/L	09/19/10	00:24	
61121-1 1/20	2Fe	-0.00148	-0.00625	0.00327	452.61065	mg/L	09/19/10	00:24	
61121-1 1/20	K	151.07723	140.12234	162.03213	10.25472	ug/L	09/19/10	00:24	
61121-1 1/20	Mg	485.65289	485.21337	486.09237	0.12798	ug/L	09/19/10	00:24	
61121-1 1/20	2Mg	0.48551	0.48507	0.48595	0.12773	mg/L	09/19/10	00:24	
61121-1 1/20	Mn	0.32417	0.26643	0.38192	25.19049	ug/L	09/19/10	00:24	
61121-1 1/20	Mo	0.81834	1.18981	0.44687	64.19471	ug/L	09/19/10	00:24	
61121-1 1/20	Na	831.23394	802.19012	860.27777	4.94134	ug/L	09/19/10	00:24	
61121-1 1/20	Ni	-0.69110	-0.22876	-1.15344	94.60848	ug/L	09/19/10	00:24	
61121-1 1/20	Pb	-0.45353	0.48597	-1.39303	292.95910	ug/L	09/19/10	00:24	
61121-1 1/20	Se	-0.82130	-0.46478	-1.17783	61.38964	ug/L	09/19/10	00:24	
61121-1 1/20	Sb	-1.57052	-0.04079	-3.10024	137.74797	ug/L	09/19/10	00:24	
61121-1 1/20	Sn	-1.70697	-1.34895	-2.06500	29.66191	ug/L	09/19/10	00:24	
61121-1 1/20	Sr	197.91040	198.31904	197.50177	0.29200	ug/L	09/19/10	00:24	
61121-1 1/20	Ti	0.20556	0.17232	0.23879	22.86339	ug/L	09/19/10	00:24	
61121-1 1/20	Tl	-0.69127	-0.82402	-0.55853	27.15642	ug/L	09/19/10	00:24	
61121-1 1/20	V	-0.51557	-0.72400	-0.30714	57.17192	ug/L	09/19/10	00:24	
61121-1 1/20	Zn	0.49211	0.29517	0.68904	56.59404	ug/L	09/19/10	00:24	
61121-1 1/20	2203/1	-2.93575	-2.55148	-3.32002	18.51094	ug/L	09/19/10	00:24	
61121-1 1/20	2203/2	0.78571	2.00242	-0.43098	218.99472	ug/L	09/19/10	00:24	
61121-1 1/20	1960/1	-1.08315	-1.26012	-0.90619	23.10569	ug/L	09/19/10	00:24	
61121-1 1/20	1960/2	-0.69057	-0.06771	-1.31344	127.55483	ug/L	09/19/10	00:24	
61121-1 1/20	Y	964.81774	962.91027	966.72528	0.27959		09/19/10	00:24	
61121-3 1/20	Ag	0.96517	0.22601	1.70433	108.30473	ug/L	09/19/10	00:29	
61121-3 1/20	Al	8.00923	7.85003	8.16843	2.81104	ug/L	09/19/10	00:29	
61121-3 1/20	2Al	0.00801	0.00785	0.00816	2.81104	mg/L	09/19/10	00:29	
61121-3 1/20	As	-2.84317	-4.14318	-1.54317	64.66313	ug/L	09/19/10	00:29	
61121-3 1/20	B	16.36205	15.73358	16.99052	5.43200	ug/L	09/19/10	00:29	
61121-3 1/20	Ba	1.36611	1.29795	1.43426	7.05547	ug/L	09/19/10	00:29	
61121-3 1/20	Be	0.01027	-0.00015	0.02070	143.59396	ug/L	09/19/10	00:29	
61121-3 1/20	Ca	2349.51123	2355.97656	2343.04565	0.38916	ug/L	09/19/10	00:29	
61121-3 1/20	Cd	-0.19061	-0.07944	-0.30177	82.47780	ug/L	09/19/10	00:29	
61121-3 1/20	Co	-0.19087	-0.17487	-0.20687	11.85309	ug/L	09/19/10	00:29	
61121-3 1/20	Cr	0.15290	-0.00265	0.30845	143.87266	ug/L	09/19/10	00:29	
61121-3 1/20	Cu	8.33835	8.42436	8.25235	1.45865	ug/L	09/19/10	00:29	
61121-3 1/20	Fe	7.13737	8.74356	5.53118	31.82530	ug/L	09/19/10	00:29	
61121-3 1/20	2Fe	0.00713	0.00874	0.00553	31.82506	mg/L	09/19/10	00:29	
61121-3 1/20	K	259.72424	252.83119	266.61727	3.75330	ug/L	09/19/10	00:29	
61121-3 1/20	Mg	1711.52294	1715.15649	1707.88940	0.30023	ug/L	09/19/10	00:29	
61121-3 1/20	2Mg	1.71103	1.71467	1.70740	0.30021	mg/L	09/19/10	00:29	
61121-3 1/20	Mn	-0.01667	-0.02265	-0.01069	50.71249	ug/L	09/19/10	00:29	
61121-3 1/20	Mo	1.30450	2.53140	0.07760	133.00822	ug/L	09/19/10	00:29	
61121-3 1/20	Na	4815.25390	4758.55517	4871.95263	1.66521	ug/L	09/19/10	00:29	
61121-3 1/20	Ni	0.79939	0.89892	0.69986	17.60792	ug/L	09/19/10	00:29	
61121-3 1/20	Pb	-1.32616	-2.31404	-0.33828	105.34730	ug/L	09/19/10	00:29	
61121-3 1/20	Se	2.25793	-0.06856	4.58444	145.71585	ug/L	09/19/10	00:29	
61121-3 1/20	Sb	-2.62806	-1.92376	-3.33236	37.89976	ug/L	09/19/10	00:29	
61121-3 1/20	Sn	55.33061	56.58892	54.07229	3.21616	ug/L	09/19/10	00:29	
61121-3 1/20	Sr	808.50219	811.61627	805.38818	0.54470	ug/L	09/19/10	00:29	
61121-3 1/20	Ti	0.29967	0.20128	0.39805	46.43004	ug/L	09/19/10	00:29	
61121-3 1/20	Tl	3.25718	7.75892	-1.24454	195.45709	ug/L	09/19/10	00:29	
61121-3 1/20	V	0.24573	-0.01416	0.50563	149.57379	ug/L	09/19/10	00:29	
61121-3 1/20	Zn	1.00857	1.03640	0.98074	3.90232	ug/L	09/19/10	00:29	
61121-3 1/20	2203/1	0.77939	-0.02886	1.58764	146.65843	ug/L	09/19/10	00:29	
61121-3 1/20	2203/2	-2.37736	-3.45492	-1.29980	64.10054	ug/L	09/19/10	00:29	
61121-3 1/20	1960/1	2.05197	0.49074	3.61321	107.59951	ug/L	09/19/10	00:29	
61121-3 1/20	1960/2	2.36076	-0.34780	5.06932	162.25640	ug/L	09/19/10	00:29	
61121-3 1/20	Y	959.86352	960.18652	959.54046	0.04759		09/19/10	00:29	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61122-1 1/20	Ag	-0.36209	-0.60554	-0.11863	95.08479	ug/L	09/19/10	00:34	
61122-1 1/20	Al	2.67246	3.00705	2.33787	17.70568	ug/L	09/19/10	00:34	
61122-1 1/20	2Al	0.00267	0.00300	0.00233	17.70567	mg/L	09/19/10	00:34	
61122-1 1/20	As	-0.56430	1.06854	-2.19714	409.21044	ug/L	09/19/10	00:34	
61122-1 1/20	B	20.95766	21.08315	20.83216	0.84684	ug/L	09/19/10	00:34	
61122-1 1/20	Ba	0.05892	0.13264	-0.01478	176.90455	ug/L	09/19/10	00:34	
61122-1 1/20	Be	0.00137	-0.02203	0.02479	2406.31933	ug/L	09/19/10	00:34	
61122-1 1/20	Ca	1656.54345	1658.08337	1655.00366	0.13145	ug/L	09/19/10	00:34	
61122-1 1/20	Cd	-0.23733	-0.21164	-0.26302	15.30959	ug/L	09/19/10	00:34	
61122-1 1/20	Co	0.15460	0.28424	0.02496	118.58721	ug/L	09/19/10	00:34	
61122-1 1/20	Cr	-0.12142	-0.04504	-0.19781	88.95960	ug/L	09/19/10	00:34	
61122-1 1/20	Cu	-0.20092	-0.20178	-0.20007	0.60379	ug/L	09/19/10	00:34	
61122-1 1/20	Fe	11.82453	5.37458	18.27449	77.14138	ug/L	09/19/10	00:34	
61122-1 1/20	2Fe	0.01182	0.00537	0.01827	77.14113	mg/L	09/19/10	00:34	
61122-1 1/20	K	272.95861	270.92095	274.99630	1.05572	ug/L	09/19/10	00:34	
61122-1 1/20	Mg	390.54913	389.67794	391.42031	0.31546	ug/L	09/19/10	00:34	
61122-1 1/20	2Mg	0.39043	0.38956	0.39130	0.31506	mg/L	09/19/10	00:34	
61122-1 1/20	Mn	0.73753	0.70640	0.76866	5.96899	ug/L	09/19/10	00:34	
61122-1 1/20	Mo	-0.10771	0.37174	-0.58716	629.49957	ug/L	09/19/10	00:34	
61122-1 1/20	Na	1052.12329	1056.89074	1047.35595	0.64081	ug/L	09/19/10	00:34	
61122-1 1/20	Ni	-0.24423	-0.40887	-0.07958	95.33839	ug/L	09/19/10	00:34	
61122-1 1/20	Pb	0.10306	0.01017	0.19594	127.45909	ug/L	09/19/10	00:34	
61122-1 1/20	Se	4.61804	4.41905	4.81702	6.09364	ug/L	09/19/10	00:34	
61122-1 1/20	Sb	2.83449	5.00176	0.66722	108.13172	ug/L	09/19/10	00:34	
61122-1 1/20	Sn	-1.18751	-1.15994	-1.21509	3.28391	ug/L	09/19/10	00:34	
61122-1 1/20	Sr	3.66279	3.59266	3.73292	2.70774	ug/L	09/19/10	00:34	
61122-1 1/20	Ti	0.07928	0.00433	0.15423	133.69615	ug/L	09/19/10	00:34	
61122-1 1/20	Tl	1.39806	-2.45413	5.25026	389.66857	ug/L	09/19/10	00:34	
61122-1 1/20	V	-0.32140	-0.62898	-0.01382	135.33776	ug/L	09/19/10	00:34	
61122-1 1/20	Zn	0.68634	0.51497	0.85771	35.31049	ug/L	09/19/10	00:34	
61122-1 1/20	2203/1	0.99056	-0.88495	2.86609	267.76397	ug/L	09/19/10	00:34	
61122-1 1/20	2203/2	-0.34002	0.45706	-1.13712	331.52133	ug/L	09/19/10	00:34	
61122-1 1/20	1960/1	1.23901	-0.46006	2.93810	193.93334	ug/L	09/19/10	00:34	
61122-1 1/20	1960/2	6.30502	6.85496	5.75507	12.33518	ug/L	09/19/10	00:34	
61122-1 1/20	Y	968.77679	970.94183	966.61175	0.31605		09/19/10	00:34	
CCV	Ag	488.73413	488.72409	488.74414	0.00290	ug/L	09/19/10	00:39	
CCV	Al	4866.34277	4864.19238	4868.49365	0.06249	ug/L	09/19/10	00:39	
CCV	2Al	4.86657	4.86463	4.86852	0.05650	mg/L	09/19/10	00:39	
CCV	As	492.42602	495.63662	489.21539	0.92206	ug/L	09/19/10	00:39	
CCV	B	4910.68359	4904.47753	4916.89013	0.17873	ug/L	09/19/10	00:39	
CCV	Ba	4899.46093	4902.33447	4896.58740	0.08294	ug/L	09/19/10	00:39	
CCV	Be	492.27716	492.47448	492.07980	0.05669	ug/L	09/19/10	00:39	
CCV	Ca	4923.97558	4925.06005	4922.89160	0.03114	ug/L	09/19/10	00:39	
CCV	Cd	499.63421	499.92880	499.33966	0.08337	ug/L	09/19/10	00:39	
CCV	Co	491.44851	490.52481	492.37222	0.26580	ug/L	09/19/10	00:39	
CCV	Cr	4960.24023	4961.33251	4959.14746	0.03114	ug/L	09/19/10	00:39	
CCV	Cu	4866.52539	4868.30859	4864.74218	0.05181	ug/L	09/19/10	00:39	
CCV	Fe	4901.29980	4898.18310	4904.41601	0.08992	ug/L	09/19/10	00:39	
CCV	2Fe	4.90155	4.89844	4.90467	0.08992	mg/L	09/19/10	00:39	
CCV	K	9736.65820	9744.33105	9728.98632	0.11143	ug/L	09/19/10	00:39	
CCV	Mg	5000.55175	5007.35351	4993.75048	0.19235	ug/L	09/19/10	00:39	
CCV	2Mg	5.00054	5.00735	4.99374	0.19234	mg/L	09/19/10	00:39	
CCV	Mn	4957.69335	4959.89990	4955.48730	0.06293	ug/L	09/19/10	00:39	
CCV	Mo	497.54333	498.34603	496.74060	0.22816	ug/L	09/19/10	00:39	
CCV	Na	7344.69726	7381.51464	7307.87939	0.70891	ug/L	09/19/10	00:39	
CCV	Ni	2490.19775	2494.07299	2486.32275	0.22007	ug/L	09/19/10	00:39	
CCV	Pb	504.22540	506.33663	502.11416	0.59214	ug/L	09/19/10	00:39	
CCV	Se	5013.75097	5020.92333	5006.57812	0.20231	ug/L	09/19/10	00:39	
CCV	Sb	497.42340	497.83609	497.01071	0.11733	ug/L	09/19/10	00:39	
CCV	Sn	5017.72216	5015.58105	5019.86328	0.06034	ug/L	09/19/10	00:39	
CCV	Sr	2475.01733	2477.37866	2472.65600	0.13492	ug/L	09/19/10	00:39	
CCV	Ti	489.98358	490.21850	489.74865	0.06780	ug/L	09/19/10	00:39	
CCV	Tl	5041.55273	5025.52441	5057.58154	0.44961	ug/L	09/19/10	00:39	
CCV	V	4918.43847	4917.74658	4919.13085	0.01990	ug/L	09/19/10	00:39	
CCV	Zn	2502.19970	2501.79614	2502.60327	0.02280	ug/L	09/19/10	00:39	
CCV	2203/1	499.75799	502.16653	497.34948	0.68156	ug/L	09/19/10	00:39	
CCV	2203/2	506.45141	508.41421	504.48858	0.54809	ug/L	09/19/10	00:39	
CCV	1960/1	4970.56933	4979.72314	4961.41601	0.26043	ug/L	09/19/10	00:39	
CCV	1960/2	5035.30859	5041.49267	5029.12500	0.17367	ug/L	09/19/10	00:39	
CCV	Y	964.18048	964.49041	963.87054	0.04546		09/19/10	00:39	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.17949	0.57671	-0.21772	312.96713	ug/L	09/19/10	00:45	
CCB	Al	7.51459	8.57897	6.45022	20.03103	ug/L	09/19/10	00:45	
CCB	2Al	0.00751	0.00857	0.00645	20.03116	mg/L	09/19/10	00:45	
CCB	As	0.75969	0.95088	0.56850	35.59105	ug/L	09/19/10	00:45	
CCB	B	27.69050	30.14685	25.23417	12.54505	ug/L	09/19/10	00:45	
CCB	Ba	0.31841	0.03920	0.59762	124.00739	ug/L	09/19/10	00:45	
CCB	Be	0.04557	0.00178	0.08935	135.87513	ug/L	09/19/10	00:45	
CCB	Ca	0.49678	0.55033	0.44322	15.24545	ug/L	09/19/10	00:45	
CCB	Cd	-0.11140	-0.13087	-0.09192	24.72152	ug/L	09/19/10	00:45	
CCB	Co	0.20279	0.34909	0.05650	102.01548	ug/L	09/19/10	00:45	
CCB	Cr	0.62627	0.90124	0.35130	62.09164	ug/L	09/19/10	00:45	
CCB	Cu	0.05085	0.04318	0.05852	21.33428	ug/L	09/19/10	00:45	
CCB	Fe	2.31613	9.89831	-5.26603	462.96105	ug/L	09/19/10	00:45	
CCB	2Fe	0.00231	0.00989	-0.00526	462.93920	mg/L	09/19/10	00:45	
CCB	K	-1.37595	-8.29098	5.53907	710.73065	ug/L	09/19/10	00:45	
CCB	Mg	1.33196	1.33146	1.33245	0.05267	ug/L	09/19/10	00:45	
CCB	2Mg	0.00133	0.00132	0.00133	0.20610	mg/L	09/19/10	00:45	
CCB	Mn	0.46906	0.22652	0.71160	73.12496	ug/L	09/19/10	00:45	
CCB	Mo	0.37773	0.75269	0.00278	140.37933	ug/L	09/19/10	00:45	
CCB	Na	-245.62731	-261.44073	-229.81391	9.10466	ug/L	09/19/10	00:45	
CCB	Ni	-0.29981	-0.46374	-0.13588	77.32447	ug/L	09/19/10	00:45	
CCB	Pb	0.74648	1.20338	0.28959	86.55893	ug/L	09/19/10	00:45	
CCB	Se	4.30606	3.34580	5.26631	31.53707	ug/L	09/19/10	00:45	
CCB	Sb	-1.22870	0.76985	-3.22725	230.02995	ug/L	09/19/10	00:45	
CCB	Sn	-0.10235	1.07809	-1.28279	1631.01904	ug/L	09/19/10	00:45	
CCB	Sr	0.22282	0.10100	0.34464	77.31498	ug/L	09/19/10	00:45	
CCB	Ti	0.12492	0.04730	0.20254	87.86891	ug/L	09/19/10	00:45	
CCB	Tl	4.18914	5.86101	2.51727	56.44060	ug/L	09/19/10	00:45	
CCB	V	0.52026	0.20883	0.83168	84.65425	ug/L	09/19/10	00:45	
CCB	Zn	0.21521	0.24490	0.18552	19.51202	ug/L	09/19/10	00:45	
CCB	2203/1	3.14513	4.10478	2.18548	43.15093	ug/L	09/19/10	00:45	
CCB	2203/2	-0.45103	-0.24513	-0.65693	64.55988	ug/L	09/19/10	00:45	
CCB	1960/1	3.47578	2.03984	4.91173	58.42520	ug/L	09/19/10	00:45	
CCB	1960/2	4.72057	3.99781	5.44334	21.65298	ug/L	09/19/10	00:45	
CCB	Y	953.03662	951.84063	954.23266	0.17747		09/19/10	00:45	
PBW 180017	Ag	0.48697	0.89807	0.07587	119.38791	ug/L	09/19/10	00:50	
PBW 180017	Al	3.07727	9.11989	-2.96534	277.69860	ug/L	09/19/10	00:50	
PBW 180017	2Al	0.00307	0.00912	-0.00296	277.69967	mg/L	09/19/10	00:50	
PBW 180017	As	-4.22285	-6.48867	-1.95704	75.88085	ug/L	09/19/10	00:50	
PBW 180017	B	17.21728	15.75182	18.68274	12.03716	ug/L	09/19/10	00:50	
PBW 180017	Ba	0.08612	-0.16079	0.33303	405.45892	ug/L	09/19/10	00:50	
PBW 180017	Be	0.01870	0.00243	0.03496	122.99011	ug/L	09/19/10	00:50	
PBW 180017	Ca	9.38705	9.00931	9.76479	5.69086	ug/L	09/19/10	00:50	
PBW 180017	Cd	-0.12478	-0.25777	0.00821	150.73225	ug/L	09/19/10	00:50	
PBW 180017	Co	-0.42713	-0.64326	-0.21100	71.55879	ug/L	09/19/10	00:50	
PBW 180017	Cr	0.01156	-0.00835	0.03148	243.64434	ug/L	09/19/10	00:50	
PBW 180017	Cu	-0.32143	-0.46677	-0.17609	63.94377	ug/L	09/19/10	00:50	
PBW 180017	Fe	1.18536	-4.11201	6.48275	632.01000	ug/L	09/19/10	00:50	
PBW 180017	2Fe	0.00118	-0.00411	0.00648	632.06335	mg/L	09/19/10	00:50	
PBW 180017	K	-2.36327	1.68564	-6.41219	242.29208	ug/L	09/19/10	00:50	
PBW 180017	Mg	-1.43482	-1.43019	-1.43946	0.45657	ug/L	09/19/10	00:50	
PBW 180017	2Mg	-0.00143	-0.00142	-0.00144	0.54598	mg/L	09/19/10	00:50	
PBW 180017	Mn	0.15493	0.09050	0.21936	58.80947	ug/L	09/19/10	00:50	
PBW 180017	Mo	-0.69429	0.44319	-1.83179	231.69458	ug/L	09/19/10	00:50	
PBW 180017	Na	-285.15362	-246.41110	-323.89611	19.21426	ug/L	09/19/10	00:50	
PBW 180017	Ni	1.57339	0.87291	2.27388	62.96179	ug/L	09/19/10	00:50	
PBW 180017	Pb	0.28514	0.08782	0.48246	97.86502	ug/L	09/19/10	00:50	
PBW 180017	Se	7.30219	7.42782	7.17656	2.43308	ug/L	09/19/10	00:50	
PBW 180017	Sb	2.43868	2.83530	2.04206	23.00021	ug/L	09/19/10	00:50	
PBW 180017	Sn	-0.69409	-2.45087	1.06267	357.94036	ug/L	09/19/10	00:50	
PBW 180017	Sr	0.01542	-0.01888	0.04973	314.54449	ug/L	09/19/10	00:50	
PBW 180017	Ti	-0.05058	0.10154	-0.20271	425.32476	ug/L	09/19/10	00:50	
PBW 180017	Tl	1.27710	1.25985	1.29436	1.91029	ug/L	09/19/10	00:50	
PBW 180017	V	0.53358	0.55856	0.50860	6.62036	ug/L	09/19/10	00:50	
PBW 180017	Zn	0.59593	0.84655	0.34532	59.47311	ug/L	09/19/10	00:50	
PBW 180017	2203/1	1.23886	-0.86638	3.34411	240.32270	ug/L	09/19/10	00:50	
PBW 180017	2203/2	-0.19100	0.56420	-0.94622	559.15893	ug/L	09/19/10	00:50	
PBW 180017	1960/1	11.29637	14.66238	7.93036	42.13962	ug/L	09/19/10	00:50	
PBW 180017	1960/2	5.30809	3.81596	6.80022	39.75415	ug/L	09/19/10	00:50	
PBW 180017	Y	974.34216	976.47668	972.20770	0.30981		09/19/10	00:50	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	51.55529	51.34979	51.76079	0.56371	ug/L	09/19/10	00:55	
LCSW-1	Al	1956.60888	1952.65795	1960.55969	0.28556	ug/L	09/19/10	00:55	
LCSW-1	2Al	1.95669	1.95264	1.96074	0.29288	mg/L	09/19/10	00:55	
LCSW-1	As	2015.38220	2014.83459	2015.92980	0.03842	ug/L	09/19/10	00:55	
LCSW-1	B	1049.10986	1048.78259	1049.43701	0.04410	ug/L	09/19/10	00:55	
LCSW-1	Ba	1992.76098	1991.55651	1993.96557	0.08548	ug/L	09/19/10	00:55	
LCSW-1	Be	49.50649	49.47301	49.53996	0.09562	ug/L	09/19/10	00:55	
LCSW-1	Ca	5165.11718	5162.50439	5167.73046	0.07154	ug/L	09/19/10	00:55	
LCSW-1	Cd	50.77327	50.86960	50.67695	0.26829	ug/L	09/19/10	00:55	
LCSW-1	Co	500.80941	501.09423	500.52459	0.08042	ug/L	09/19/10	00:55	
LCSW-1	Cr	202.70451	202.59675	202.81227	0.07517	ug/L	09/19/10	00:55	
LCSW-1	Cu	241.54092	241.24549	241.83633	0.17296	ug/L	09/19/10	00:55	
LCSW-1	Fe	978.95703	975.50366	982.41033	0.49887	ug/L	09/19/10	00:55	
LCSW-1	2Fe	0.97909	0.97564	0.98254	0.49876	mg/L	09/19/10	00:55	
LCSW-1	K	5446.01513	5426.16943	5465.86083	0.51535	ug/L	09/19/10	00:55	
LCSW-1	Mg	5278.37939	5279.81005	5276.94873	0.03833	ug/L	09/19/10	00:55	
LCSW-1	2Mg	5.27694	5.27837	5.27551	0.03834	mg/L	09/19/10	00:55	
LCSW-1	Mn	502.73364	502.81558	502.65167	0.02305	ug/L	09/19/10	00:55	
LCSW-1	Mo	519.51464	513.85784	525.17144	1.53988	ug/L	09/19/10	00:55	
LCSW-1	Na	4943.36425	4788.43457	5098.29443	4.43228	ug/L	09/19/10	00:55	
LCSW-1	Ni	504.30029	502.78683	505.81378	0.42442	ug/L	09/19/10	00:55	
LCSW-1	Pb	508.37121	508.96981	507.77258	0.16652	ug/L	09/19/10	00:55	
LCSW-1	Se	2054.05175	2057.54907	2050.55468	0.24078	ug/L	09/19/10	00:55	
LCSW-1	Sb	483.77197	486.28851	481.25546	0.73565	ug/L	09/19/10	00:55	
LCSW-1	Sn	1054.55810	1052.17883	1056.93750	0.31908	ug/L	09/19/10	00:55	
LCSW-1	Sr	528.44665	528.11169	528.78155	0.08963	ug/L	09/19/10	00:55	
LCSW-1	Ti	710.03582	709.50598	710.56567	0.10553	ug/L	09/19/10	00:55	
LCSW-1	Tl	2099.11132	2097.41113	2100.81152	0.11454	ug/L	09/19/10	00:55	
LCSW-1	V	491.40887	490.13989	492.67785	0.36519	ug/L	09/19/10	00:55	
LCSW-1	Zn	515.37353	514.79943	515.94757	0.15752	ug/L	09/19/10	00:55	
LCSW-1	2203/1	506.14776	506.52816	505.76739	0.10628	ug/L	09/19/10	00:55	
LCSW-1	2203/2	509.48120	510.18878	508.77365	0.19640	ug/L	09/19/10	00:55	
LCSW-1	1960/1	2036.73413	2034.26831	2039.20007	0.17121	ug/L	09/19/10	00:55	
LCSW-1	1960/2	2062.69726	2069.17138	2056.22290	0.44388	ug/L	09/19/10	00:55	
LCSW-1	Y	981.67974	981.92419	981.43530	0.03521		09/19/10	00:55	
RL LCSW-1	Ag	10.54261	10.56696	10.51827	0.32654	ug/L	09/19/10	01:00	
RL LCSW-1	Al	217.16241	220.81571	213.50910	2.37911	ug/L	09/19/10	01:00	
RL LCSW-1	2Al	0.21718	0.22083	0.21353	2.37912	mg/L	09/19/10	01:00	
RL LCSW-1	As	19.66726	19.05712	20.27740	4.38731	ug/L	09/19/10	01:00	
RL LCSW-1	B	118.10517	119.21440	116.99594	1.32820	ug/L	09/19/10	01:00	
RL LCSW-1	Ba	10.31733	10.22037	10.41428	1.32895	ug/L	09/19/10	01:00	
RL LCSW-1	Be	4.03570	4.05074	4.02066	0.52692	ug/L	09/19/10	01:00	
RL LCSW-1	Ca	518.15014	519.42926	516.87097	0.34912	ug/L	09/19/10	01:00	
RL LCSW-1	Cd	5.08559	4.98643	5.18474	2.75731	ug/L	09/19/10	01:00	
RL LCSW-1	Co	10.89640	11.15754	10.63526	3.38927	ug/L	09/19/10	01:00	
RL LCSW-1	Cr	10.22490	9.96111	10.48868	3.64845	ug/L	09/19/10	01:00	
RL LCSW-1	Cu	21.35585	21.24242	21.46928	0.75115	ug/L	09/19/10	01:00	
RL LCSW-1	Fe	40.45836	49.58472	31.33199	31.90102	ug/L	09/19/10	01:00	
RL LCSW-1	2Fe	0.04045	0.04958	0.03133	31.89774	mg/L	09/19/10	01:00	
RL LCSW-1	K	1048.75610	1038.37683	1059.13549	1.39961	ug/L	09/19/10	01:00	
RL LCSW-1	Mg	517.25512	518.43463	516.07562	0.32248	ug/L	09/19/10	01:00	
RL LCSW-1	2Mg	0.51710	0.51828	0.51592	0.32204	mg/L	09/19/10	01:00	
RL LCSW-1	Mn	10.21430	10.22041	10.20820	0.08451	ug/L	09/19/10	01:00	
RL LCSW-1	Mo	10.22670	11.72027	8.73314	20.65394	ug/L	09/19/10	01:00	
RL LCSW-1	Na	821.25512	893.56555	748.94476	12.45195	ug/L	09/19/10	01:00	
RL LCSW-1	Ni	41.79081	42.19402	41.38761	1.36446	ug/L	09/19/10	01:00	
RL LCSW-1	Pb	10.45398	11.00826	9.89970	7.49829	ug/L	09/19/10	01:00	
RL LCSW-1	Se	22.71435	21.81012	23.61858	5.62981	ug/L	09/19/10	01:00	
RL LCSW-1	Sb	19.53956	18.80093	20.27820	5.34599	ug/L	09/19/10	01:00	
RL LCSW-1	Sn	55.54998	55.82223	55.27774	0.69310	ug/L	09/19/10	01:00	
RL LCSW-1	Sr	10.44672	10.50154	10.39190	0.74212	ug/L	09/19/10	01:00	
RL LCSW-1	Ti	10.25100	10.29493	10.20708	0.60601	ug/L	09/19/10	01:00	
RL LCSW-1	Tl	29.45956	32.03487	26.88426	12.36281	ug/L	09/19/10	01:00	
RL LCSW-1	V	9.93376	9.77538	10.09215	2.25480	ug/L	09/19/10	01:00	
RL LCSW-1	Zn	22.54608	22.76670	22.32547	1.38381	ug/L	09/19/10	01:00	
RL LCSW-1	2203/1	11.97636	12.45515	11.49758	5.65368	ug/L	09/19/10	01:00	
RL LCSW-1	2203/2	9.69393	10.28590	9.10196	8.63603	ug/L	09/19/10	01:00	
RL LCSW-1	1960/1	20.30097	18.23559	22.36636	14.38795	ug/L	09/19/10	01:00	
RL LCSW-1	1960/2	23.91920	23.59467	24.24373	1.91875	ug/L	09/19/10	01:00	
RL LCSW-1	Y	971.13391	968.91650	973.35131	0.32290		09/19/10	01:00	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
29873-9 1/10	Ag	0.33475	0.43609	0.23340	42.81648	ug/L	09/19/10	01:05	
29873-9 1/10	Al	101298.71875	101637.12500	100960.32031	0.47243	ug/L	09/19/10	01:05	
29873-9 1/10	2Al	101.30605	101.64205	100.97005	0.46904	mg/L	09/19/10	01:05	
29873-9 1/10	As	-0.79019	1.19946	-2.77985	356.08935	ug/L	09/19/10	01:05	
29873-9 1/10	B	23.99528	24.03077	23.95979	0.20919	ug/L	09/19/10	01:05	
29873-9 1/10	Ba	1.34085	1.32882	1.35288	1.26871	ug/L	09/19/10	01:05	
29873-9 1/10	Be	0.37325	0.38754	0.35896	5.41417	ug/L	09/19/10	01:05	
29873-9 1/10	Ca	51123.34375	51264.76171	50981.92578	0.39120	ug/L	09/19/10	01:05	
29873-9 1/10	Cd	-0.48053	-0.16534	-0.79573	92.76109	ug/L	09/19/10	01:05	
29873-9 1/10	Co	0.78501	0.67882	0.89121	19.13138	ug/L	09/19/10	01:05	
29873-9 1/10	Cr	-0.07436	-0.31219	0.16345	452.24795	ug/L	09/19/10	01:05	
29873-9 1/10	Cu	-0.23749	-0.05651	-0.41847	107.76667	ug/L	09/19/10	01:05	
29873-9 1/10	Fe	1208.01171	1212.99694	1203.02661	0.58361	ug/L	09/19/10	01:05	
29873-9 1/10	2Fe	1.20792	1.21290	1.20293	0.58361	mg/L	09/19/10	01:05	
29873-9 1/10	K	273.11886	279.29156	266.94616	3.19623	ug/L	09/19/10	01:05	
29873-9 1/10	Mg	3903.67504	3914.80297	3892.54711	0.40313	ug/L	09/19/10	01:05	
29873-9 1/10	2Mg	3.90237	3.91349	3.89125	0.40313	mg/L	09/19/10	01:05	
29873-9 1/10	Mn	31.11171	31.17288	31.05054	0.27806	ug/L	09/19/10	01:05	
29873-9 1/10	Mo	1.14208	0.91538	1.36878	28.07164	ug/L	09/19/10	01:05	
29873-9 1/10	Na	1343.13256	1393.60046	1292.66455	5.31388	ug/L	09/19/10	01:05	
29873-9 1/10	Ni	10.56626	10.24595	10.88657	4.28707	ug/L	09/19/10	01:05	
29873-9 1/10	Pb	0.63441	0.87744	0.39139	54.17427	ug/L	09/19/10	01:05	
29873-9 1/10	Se	4.31685	6.27617	2.35754	64.18770	ug/L	09/19/10	01:05	
29873-9 1/10	Sb	-1.51677	-4.91995	1.88640	317.30612	ug/L	09/19/10	01:05	
29873-9 1/10	Sn	0.96303	-0.36309	2.28917	194.74153	ug/L	09/19/10	01:05	
29873-9 1/10	Sr	78.79407	78.96321	78.62493	0.30358	ug/L	09/19/10	01:05	
29873-9 1/10	Ti	0.50631	0.67477	0.33785	47.05387	ug/L	09/19/10	01:05	
29873-9 1/10	Tl	-0.79928	-0.25138	-1.34719	96.94284	ug/L	09/19/10	01:05	
29873-9 1/10	V	0.41816	0.49747	0.33884	26.82468	ug/L	09/19/10	01:05	
29873-9 1/10	Zn	12.36692	12.50054	12.23331	1.52796	ug/L	09/19/10	01:05	
29873-9 1/10	2203/1	20.68597	17.58668	23.78525	21.18849	ug/L	09/19/10	01:05	
29873-9 1/10	2203/2	-9.37632	-7.46465	-11.28800	28.83344	ug/L	09/19/10	01:05	
29873-9 1/10	1960/1	4.47396	1.87253	7.07540	82.23101	ug/L	09/19/10	01:05	
29873-9 1/10	1960/2	4.23841	8.47469	0.00214	141.34986	ug/L	09/19/10	01:05	
29873-9 1/10	Y	938.74121	937.44482	940.03765	0.19530		09/19/10	01:05	
29873-15 1/10	Ag	-0.19280	-0.41335	0.02774	161.77105	ug/L	09/19/10	01:11	
29873-15 1/10	Al	67087.84375	67662.83593	66512.85937	1.21207	ug/L	09/19/10	01:11	
29873-15 1/10	2Al	67.08868	67.66186	66.51551	1.20824	mg/L	09/19/10	01:11	
29873-15 1/10	As	1.53047	1.26806	1.79288	24.24761	ug/L	09/19/10	01:11	
29873-15 1/10	B	20.63621	20.77558	20.49685	0.95505	ug/L	09/19/10	01:11	
29873-15 1/10	Ba	1.62001	1.48397	1.75605	11.87566	ug/L	09/19/10	01:11	
29873-15 1/10	Be	0.69477	0.69150	0.69804	0.66583	ug/L	09/19/10	01:11	
29873-15 1/10	Ca	24220.01171	24402.63476	24037.38671	1.06634	ug/L	09/19/10	01:11	
29873-15 1/10	Cd	-0.29504	-0.26483	-0.32525	14.48141	ug/L	09/19/10	01:11	
29873-15 1/10	Co	0.76490	0.54452	0.98528	40.74613	ug/L	09/19/10	01:11	
29873-15 1/10	Cr	1.63514	1.27492	1.99537	31.15555	ug/L	09/19/10	01:11	
29873-15 1/10	Cu	-0.55611	-0.54721	-0.56501	2.26296	ug/L	09/19/10	01:11	
29873-15 1/10	Fe	2534.13964	2542.02050	2526.25878	0.43980	ug/L	09/19/10	01:11	
29873-15 1/10	2Fe	2.53395	2.54183	2.52607	0.43979	mg/L	09/19/10	01:11	
29873-15 1/10	K	180.83352	168.06874	193.59832	9.98274	ug/L	09/19/10	01:11	
29873-15 1/10	Mg	2682.20556	2705.03320	2659.37792	1.20360	ug/L	09/19/10	01:11	
29873-15 1/10	2Mg	2.68101	2.70383	2.65819	1.20373	mg/L	09/19/10	01:11	
29873-15 1/10	Mn	17.91704	18.02936	17.80472	0.88655	ug/L	09/19/10	01:11	
29873-15 1/10	Mo	-0.22279	-1.62854	1.18296	892.33148	ug/L	09/19/10	01:11	
29873-15 1/10	Na	1242.40625	990.08270	1494.72985	28.72163	ug/L	09/19/10	01:11	
29873-15 1/10	Ni	2.92151	2.58552	3.25749	16.26403	ug/L	09/19/10	01:11	
29873-15 1/10	Pb	2.56402	2.69687	2.43117	7.32752	ug/L	09/19/10	01:11	
29873-15 1/10	Se	3.88837	2.19626	5.58047	61.54236	ug/L	09/19/10	01:11	
29873-15 1/10	Sb	-0.83389	-3.57691	1.90912	465.19256	ug/L	09/19/10	01:11	
29873-15 1/10	Sn	-0.43535	-0.64549	-0.22522	68.26062	ug/L	09/19/10	01:11	
29873-15 1/10	Sr	68.75503	69.29653	68.21354	1.11378	ug/L	09/19/10	01:11	
29873-15 1/10	Ti	0.32357	0.33472	0.31242	4.87352	ug/L	09/19/10	01:11	
29873-15 1/10	Tl	2.20268	4.21058	0.19478	128.91508	ug/L	09/19/10	01:11	
29873-15 1/10	V	1.62086	1.23703	2.00468	33.48890	ug/L	09/19/10	01:11	
29873-15 1/10	Zn	10.57188	10.35248	10.79128	2.93496	ug/L	09/19/10	01:11	
29873-15 1/10	2203/1	13.31538	12.11623	14.51453	12.73604	ug/L	09/19/10	01:11	
29873-15 1/10	2203/2	-2.80359	-2.00574	-3.60145	40.24591	ug/L	09/19/10	01:11	
29873-15 1/10	1960/1	4.56057	-0.77617	9.89732	165.49031	ug/L	09/19/10	01:11	
29873-15 1/10	1960/2	3.55277	3.68026	3.42529	5.07468	ug/L	09/19/10	01:11	
29873-15 1/10	Y	965.68200	962.48248	968.88159	0.46856		09/19/10	01:11	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
29873-16 1/10	Ag	0.50264	0.82595	0.17933	90.96512	ug/L	09/19/10	01:16	
29873-16 1/10	Al	440.74401	441.38070	440.10729	0.20429	ug/L	09/19/10	01:16	
29873-16 1/10	2Al	0.44078	0.44142	0.44015	0.20429	mg/L	09/19/10	01:16	
29873-16 1/10	As	-1.29955	-0.74565	-1.85346	60.27741	ug/L	09/19/10	01:16	
29873-16 1/10	B	15.98222	16.44020	15.52425	4.05246	ug/L	09/19/10	01:16	
29873-16 1/10	Ba	-0.06324	-0.07012	-0.05636	15.37988	ug/L	09/19/10	01:16	
29873-16 1/10	Be	0.00513	0.00848	0.00179	92.12661	ug/L	09/19/10	01:16	
29873-16 1/10	Ca	154.59115	153.88160	155.30068	0.64909	ug/L	09/19/10	01:16	
29873-16 1/10	Cd	0.08114	-0.26779	0.43008	608.12622	ug/L	09/19/10	01:16	
29873-16 1/10	Co	0.58573	1.35222	-0.18075	185.06434	ug/L	09/19/10	01:16	
29873-16 1/10	Cr	-0.07741	0.66722	-0.82206	1360.28454	ug/L	09/19/10	01:16	
29873-16 1/10	Cu	0.06562	0.60833	-0.47707	1169.46398	ug/L	09/19/10	01:16	
29873-16 1/10	Fe	16.94366	16.36019	17.52714	4.87001	ug/L	09/19/10	01:16	
29873-16 1/10	2Fe	0.01694	0.01635	0.01752	4.86767	mg/L	09/19/10	01:16	
29873-16 1/10	K	-1.62731	0.49262	-3.74725	184.23300	ug/L	09/19/10	01:16	
29873-16 1/10	Mg	19.73267	21.15781	18.30753	10.21378	ug/L	09/19/10	01:16	
29873-16 1/10	2Mg	0.01972	0.02114	0.01829	10.21602	mg/L	09/19/10	01:16	
29873-16 1/10	Mn	0.15521	0.15538	0.15503	0.15636	ug/L	09/19/10	01:16	
29873-16 1/10	Mo	0.56587	1.50415	-0.37239	234.49003	ug/L	09/19/10	01:16	
29873-16 1/10	Na	-16.10758	-7.99125	-24.22390	71.25970	ug/L	09/19/10	01:16	
29873-16 1/10	Ni	0.11473	0.22249	0.00696	132.83631	ug/L	09/19/10	01:16	
29873-16 1/10	Pb	0.72103	1.98723	-0.54516	248.34838	ug/L	09/19/10	01:16	
29873-16 1/10	Se	3.75239	4.26461	3.24017	19.30470	ug/L	09/19/10	01:16	
29873-16 1/10	Sb	-2.12953	-3.00138	-1.25769	57.89864	ug/L	09/19/10	01:16	
29873-16 1/10	Sn	1.77025	2.32751	1.21299	44.51826	ug/L	09/19/10	01:16	
29873-16 1/10	Sr	0.43676	0.48598	0.38754	15.93630	ug/L	09/19/10	01:16	
29873-16 1/10	Ti	0.42384	0.53422	0.31346	36.82956	ug/L	09/19/10	01:16	
29873-16 1/10	Tl	3.26263	5.34614	1.17911	90.31150	ug/L	09/19/10	01:16	
29873-16 1/10	V	-0.08308	0.21007	-0.37623	499.01364	ug/L	09/19/10	01:16	
29873-16 1/10	Zn	6.07722	6.16790	5.98654	2.11024	ug/L	09/19/10	01:16	
29873-16 1/10	2203/1	-0.27544	0.99321	-1.54410	651.36676	ug/L	09/19/10	01:16	
29873-16 1/10	2203/2	1.21852	2.48349	-0.04644	146.81166	ug/L	09/19/10	01:16	
29873-16 1/10	1960/1	-1.67925	-2.71908	-0.63942	87.57091	ug/L	09/19/10	01:16	
29873-16 1/10	1960/2	6.46414	7.75122	5.17706	28.15851	ug/L	09/19/10	01:16	
29873-16 1/10	Y	951.44335	950.93267	951.95410	0.07591		09/19/10	01:16	
61112-1	Ag	0.40186	0.57617	0.22755	61.34025	ug/L	09/19/10	01:21	
61112-1	Al	13.12209	12.40194	13.84223	7.76123	ug/L	09/19/10	01:21	
61112-1	2Al	0.01312	0.01240	0.01384	7.76123	mg/L	09/19/10	01:21	
61112-1	As	-3.46674	-3.01954	-3.91394	18.24305	ug/L	09/19/10	01:21	
61112-1	B	60.42679	60.73519	60.11838	0.72178	ug/L	09/19/10	01:21	
61112-1	Ba	-0.04250	-0.01537	-0.06962	90.24768	ug/L	09/19/10	01:21	
61112-1	Be	0.02114	0.01652	0.02576	30.91757	ug/L	09/19/10	01:21	
61112-1	Ca	229.85540	230.05657	229.65425	0.12376	ug/L	09/19/10	01:21	
61112-1	Cd	0.01685	0.32767	-0.29395	2607.16479	ug/L	09/19/10	01:21	
61112-1	Co	-0.79817	-1.18160	-0.41473	67.93711	ug/L	09/19/10	01:21	
61112-1	Cr	-0.35207	-0.39114	-0.31299	15.69447	ug/L	09/19/10	01:21	
61112-1	Cu	0.44630	0.29585	0.59675	47.67405	ug/L	09/19/10	01:21	
61112-1	Fe	44.06513	40.38320	47.74706	11.81666	ug/L	09/19/10	01:21	
61112-1	2Fe	0.04406	0.04037	0.04774	11.81713	mg/L	09/19/10	01:21	
61112-1	K	483.35165	474.02832	492.67498	2.72786	ug/L	09/19/10	01:21	
61112-1	Mg	78.95452	77.67700	80.23204	2.28826	ug/L	09/19/10	01:21	
61112-1	2Mg	0.07892	0.07764	0.08020	2.28737	mg/L	09/19/10	01:21	
61112-1	Mn	0.55094	0.47508	0.62680	19.47233	ug/L	09/19/10	01:21	
61112-1	Mo	-0.03599	-0.82181	0.74982	3087.62988	ug/L	09/19/10	01:21	
61112-1	Na	159362.43750	159750.37500	158974.48437	0.34427	ug/L	09/19/10	01:21	
61112-1	Ni	-0.19947	-0.89825	0.49930	495.42147	ug/L	09/19/10	01:21	
61112-1	Pb	-1.04536	-0.96348	-1.12724	11.07685	ug/L	09/19/10	01:21	
61112-1	Se	2.73072	1.32876	4.13268	72.60583	ug/L	09/19/10	01:21	
61112-1	Sb	-1.57487	-0.57525	-2.57448	89.76396	ug/L	09/19/10	01:21	
61112-1	Sn	0.66597	0.51844	0.81350	31.32898	ug/L	09/19/10	01:21	
61112-1	Sr	1.79837	1.77720	1.81954	1.66507	ug/L	09/19/10	01:21	
61112-1	Ti	0.24827	0.15977	0.33676	50.40985	ug/L	09/19/10	01:21	
61112-1	Tl	0.49746	-2.11095	3.10588	741.53295	ug/L	09/19/10	01:21	
61112-1	V	0.28810	0.26176	0.31444	12.93164	ug/L	09/19/10	01:21	
61112-1	Zn	5.31287	5.12196	5.50378	5.08170	ug/L	09/19/10	01:21	
61112-1	2203/1	0.92287	0.87519	0.97055	7.30583	ug/L	09/19/10	01:21	
61112-1	2203/2	-2.02801	-1.88145	-2.17457	10.22011	ug/L	09/19/10	01:21	
61112-1	1960/1	5.17400	6.27480	4.07320	30.08825	ug/L	09/19/10	01:21	
61112-1	1960/2	1.51091	-1.14054	4.16237	248.17596	ug/L	09/19/10	01:21	
61112-1	Y	954.24133	952.58264	955.90008	0.24582		09/19/10	01:21	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61112-1L	Ag	0.32355	0.07803	0.56907	107.31521	ug/L	09/19/10	01:26	
61112-1L	Al	10.41178	9.66916	11.15439	10.08680	ug/L	09/19/10	01:26	
61112-1L	2Al	0.01041	0.00967	0.01115	10.08681	mg/L	09/19/10	01:26	
61112-1L	As	-5.53663	-3.98883	-7.08442	39.53503	ug/L	09/19/10	01:26	
61112-1L	B	24.08655	23.47793	24.69516	3.57341	ug/L	09/19/10	01:26	
61112-1L	Ba	-0.21765	-0.24479	-0.19052	17.62977	ug/L	09/19/10	01:26	
61112-1L	Be	-0.00651	-0.01382	0.00080	158.86035	ug/L	09/19/10	01:26	
61112-1L	Ca	46.85189	46.89304	46.81073	0.12422	ug/L	09/19/10	01:26	
61112-1L	Cd	-0.39187	-0.37423	-0.40951	6.36558	ug/L	09/19/10	01:26	
61112-1L	Co	-0.00281	0.31268	-0.31831	15848.51953	ug/L	09/19/10	01:26	
61112-1L	Cr	-0.21642	-0.04198	-0.39086	113.98740	ug/L	09/19/10	01:26	
61112-1L	Cu	-0.89269	-0.92605	-0.85934	5.28399	ug/L	09/19/10	01:26	
61112-1L	Fe	-12.78205	-4.21416	-21.34995	94.79565	ug/L	09/19/10	01:26	
61112-1L	2Fe	-0.01278	-0.00421	-0.02134	94.79648	mg/L	09/19/10	01:26	
61112-1L	K	70.09101	70.37048	69.81156	0.56386	ug/L	09/19/10	01:26	
61112-1L	Mg	15.32371	12.53229	18.11513	25.76182	ug/L	09/19/10	01:26	
61112-1L	2Mg	0.01532	0.01252	0.01811	25.77171	mg/L	09/19/10	01:26	
61112-1L	Mn	0.06407	0.11707	0.01107	116.96775	ug/L	09/19/10	01:26	
61112-1L	Mo	-2.22266	-1.03620	-3.40912	75.49097	ug/L	09/19/10	01:26	
61112-1L	Na	28542.55468	28688.87500	28396.23632	0.72497	ug/L	09/19/10	01:26	
61112-1L	Ni	0.10080	-0.14293	0.34453	341.95059	ug/L	09/19/10	01:26	
61112-1L	Pb	1.45357	3.37674	-0.46959	187.10961	ug/L	09/19/10	01:26	
61112-1L	Se	5.96104	5.25972	6.66235	16.63815	ug/L	09/19/10	01:26	
61112-1L	Sb	-1.68835	-3.12295	-0.25375	120.16606	ug/L	09/19/10	01:26	
61112-1L	Sn	-0.41881	0.63952	-1.47715	357.37191	ug/L	09/19/10	01:26	
61112-1L	Sr	0.35177	0.36233	0.34120	4.24674	ug/L	09/19/10	01:26	
61112-1L	Ti	-0.01319	0.00842	-0.03480	231.72341	ug/L	09/19/10	01:26	
61112-1L	Tl	-2.14372	-2.26000	-2.02744	7.67099	ug/L	09/19/10	01:26	
61112-1L	V	-0.34295	-0.36799	-0.31790	10.32674	ug/L	09/19/10	01:26	
61112-1L	Zn	0.63576	0.63643	0.63510	0.14822	ug/L	09/19/10	01:26	
61112-1L	2203/1	0.58523	-1.87459	3.04505	594.41693	ug/L	09/19/10	01:26	
61112-1L	2203/2	1.88709	5.99847	-2.22429	308.11300	ug/L	09/19/10	01:26	
61112-1L	1960/1	5.78381	5.85357	5.71405	1.70571	ug/L	09/19/10	01:26	
61112-1L	1960/2	6.04952	4.96324	7.13579	25.39410	ug/L	09/19/10	01:26	
61112-1L	Y	961.97180	961.53094	962.41265	0.06481		09/19/10	01:26	
61112-1A	Ag	47.29798	47.43748	47.15847	0.41713	ug/L	09/19/10	01:31	
61112-1A	Al	1910.17797	1911.98388	1908.37219	0.13369	ug/L	09/19/10	01:31	
61112-1A	2Al	1.91015	1.91196	1.90834	0.13375	mg/L	09/19/10	01:31	
61112-1A	As	1963.74133	1966.86975	1960.61291	0.22529	ug/L	09/19/10	01:31	
61112-1A	B	1045.41284	1046.81604	1044.00952	0.18983	ug/L	09/19/10	01:31	
61112-1A	Ba	1929.18017	1930.81896	1927.54150	0.12012	ug/L	09/19/10	01:31	
61112-1A	Be	48.08940	48.10443	48.07437	0.04419	ug/L	09/19/10	01:31	
61112-1A	Ca	5175.90771	5180.54296	5171.27246	0.12664	ug/L	09/19/10	01:31	
61112-1A	Cd	49.72967	49.88702	49.57233	0.44746	ug/L	09/19/10	01:31	
61112-1A	Co	485.22387	486.07809	484.36962	0.24897	ug/L	09/19/10	01:31	
61112-1A	Cr	193.42117	193.05523	193.78710	0.26755	ug/L	09/19/10	01:31	
61112-1A	Cu	242.69189	243.33595	242.04785	0.37530	ug/L	09/19/10	01:31	
61112-1A	Fe	949.05895	953.86450	944.25347	0.71607	ug/L	09/19/10	01:31	
61112-1A	2Fe	0.94919	0.95399	0.94438	0.71597	mg/L	09/19/10	01:31	
61112-1A	K	6614.23535	6624.39111	6604.08007	0.21713	ug/L	09/19/10	01:31	
61112-1A	Mg	5214.02246	5222.13525	5205.91015	0.22003	ug/L	09/19/10	01:31	
61112-1A	2Mg	5.21260	5.22071	5.20449	0.22001	mg/L	09/19/10	01:31	
61112-1A	Mn	487.96759	488.23999	487.69522	0.07894	ug/L	09/19/10	01:31	
61112-1A	Mo	494.05346	494.36126	493.74563	0.08811	ug/L	09/19/10	01:31	
61112-1A	Na	162102.32812	162103.31250	162101.34375	0.00085	ug/L	09/19/10	01:31	
61112-1A	Ni	489.07843	488.91082	489.24603	0.04846	ug/L	09/19/10	01:31	
61112-1A	Pb	490.39465	489.03930	491.75000	0.39085	ug/L	09/19/10	01:31	
61112-1A	Se	1984.94970	1977.14038	1992.75915	0.55639	ug/L	09/19/10	01:31	
61112-1A	Sb	465.45397	462.43099	468.47692	0.91848	ug/L	09/19/10	01:31	
61112-1A	Sn	1035.52465	1039.26159	1031.78784	0.51034	ug/L	09/19/10	01:31	
61112-1A	Sr	510.42602	510.97775	509.87432	0.15286	ug/L	09/19/10	01:31	
61112-1A	Ti	974.67224	975.15393	974.19055	0.06989	ug/L	09/19/10	01:31	
61112-1A	Tl	2010.57055	2016.64184	2004.49914	0.42705	ug/L	09/19/10	01:31	
61112-1A	V	473.07592	473.65039	472.50143	0.17173	ug/L	09/19/10	01:31	
61112-1A	Zn	514.72814	515.16955	514.28668	0.12128	ug/L	09/19/10	01:31	
61112-1A	2203/1	493.97125	491.04718	496.89532	0.83714	ug/L	09/19/10	01:31	
61112-1A	2203/2	488.60903	488.03689	489.18118	0.16559	ug/L	09/19/10	01:31	
61112-1A	1960/1	1970.29565	1968.95800	1971.63342	0.09601	ug/L	09/19/10	01:31	
61112-1A	1960/2	1992.26538	1981.22497	2003.30578	0.78370	ug/L	09/19/10	01:31	
61112-1A	Y	959.13891	962.29913	955.97863	0.46596		09/19/10	01:31	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61112-1S	Ag	51.31417	51.27584	51.35250	0.10564	ug/L	09/19/10	01:36	
61112-1S	Al	2050.83007	2052.76611	2048.89428	0.13349	ug/L	09/19/10	01:36	
61112-1S	2Al	2.05102	2.05296	2.04909	0.13349	mg/L	09/19/10	01:36	
61112-1S	As	2106.54638	2114.87158	2098.22143	0.55889	ug/L	09/19/10	01:36	
61112-1S	B	1110.49340	1111.90893	1109.07800	0.18025	ug/L	09/19/10	01:36	
61112-1S	Ba	2069.10009	2072.76757	2065.43286	0.25066	ug/L	09/19/10	01:36	
61112-1S	Be	51.54238	51.61503	51.46974	0.19931	ug/L	09/19/10	01:36	
61112-1S	Ca	5461.03808	5467.43017	5454.64550	0.16553	ug/L	09/19/10	01:36	
61112-1S	Cd	53.20792	53.20558	53.21026	0.00622	ug/L	09/19/10	01:36	
61112-1S	Co	521.40917	522.14208	520.67626	0.19878	ug/L	09/19/10	01:36	
61112-1S	Cr	207.42546	207.73664	207.11427	0.21216	ug/L	09/19/10	01:36	
61112-1S	Cu	261.10748	261.09024	261.12475	0.00934	ug/L	09/19/10	01:36	
61112-1S	Fe	1022.01818	1018.51068	1025.52575	0.48535	ug/L	09/19/10	01:36	
61112-1S	2Fe	1.02216	1.01865	1.02566	0.48519	mg/L	09/19/10	01:36	
61112-1S	K	6928.98046	6937.08105	6920.87988	0.16533	ug/L	09/19/10	01:36	
61112-1S	Mg	5468.86816	5483.02978	5454.70703	0.36620	ug/L	09/19/10	01:36	
61112-1S	2Mg	5.46738	5.48154	5.45322	0.36623	mg/L	09/19/10	01:36	
61112-1S	Mn	524.18682	525.32067	523.05297	0.30590	ug/L	09/19/10	01:36	
61112-1S	Mo	532.76312	533.51824	532.00799	0.20044	ug/L	09/19/10	01:36	
61112-1S	Na	163442.96875	163886.35937	162999.56250	0.38365	ug/L	09/19/10	01:36	
61112-1S	Ni	525.54199	525.71881	525.36517	0.04758	ug/L	09/19/10	01:36	
61112-1S	Pb	521.22296	522.81964	519.62628	0.43322	ug/L	09/19/10	01:36	
61112-1S	Se	2120.41699	2125.98046	2114.85375	0.37104	ug/L	09/19/10	01:36	
61112-1S	Sb	506.95904	508.64990	505.26821	0.47167	ug/L	09/19/10	01:36	
61112-1S	Sn	1094.85644	1099.10095	1090.61181	0.54826	ug/L	09/19/10	01:36	
61112-1S	Sr	538.88989	540.40002	537.37982	0.39629	ug/L	09/19/10	01:36	
61112-1S	Ti	723.22082	724.24633	722.19531	0.20053	ug/L	09/19/10	01:36	
61112-1S	Tl	2175.47900	2174.64648	2176.31152	0.05411	ug/L	09/19/10	01:36	
61112-1S	V	506.93896	508.14733	505.73059	0.33710	ug/L	09/19/10	01:36	
61112-1S	Zn	551.93853	552.26770	551.60937	0.08434	ug/L	09/19/10	01:36	
61112-1S	2203/1	523.46777	521.70288	525.23266	0.47680	ug/L	09/19/10	01:36	
61112-1S	2203/2	520.10223	523.37713	516.82733	0.89048	ug/L	09/19/10	01:36	
61112-1S	1960/1	2109.30273	2113.49096	2105.11450	0.28080	ug/L	09/19/10	01:36	
61112-1S	1960/2	2125.96533	2132.21533	2119.71557	0.41574	ug/L	09/19/10	01:36	
61112-1S	Y	960.54443	961.26031	959.82855	0.10539		09/19/10	01:36	
CCV	Ag	489.14862	489.45794	488.83926	0.08943	ug/L	09/19/10	01:42	
CCV	Al	4887.28857	4891.56054	4883.01660	0.12361	ug/L	09/19/10	01:42	
CCV	2Al	4.88731	4.89137	4.88324	0.11762	mg/L	09/19/10	01:42	
CCV	As	499.41040	502.09719	496.72360	0.76083	ug/L	09/19/10	01:42	
CCV	B	4916.91992	4920.02148	4913.81835	0.08920	ug/L	09/19/10	01:42	
CCV	Ba	4911.77832	4915.60351	4907.95312	0.11013	ug/L	09/19/10	01:42	
CCV	Be	494.49670	494.60513	494.38824	0.03101	ug/L	09/19/10	01:42	
CCV	Ca	4941.47363	4941.05615	4941.89062	0.01194	ug/L	09/19/10	01:42	
CCV	Cd	502.00671	501.47396	502.53942	0.15007	ug/L	09/19/10	01:42	
CCV	Co	492.18469	492.16464	492.20474	0.00576	ug/L	09/19/10	01:42	
CCV	Cr	4981.76269	4983.09716	4980.42822	0.03788	ug/L	09/19/10	01:42	
CCV	Cu	4876.08300	4882.37988	4869.78564	0.18263	ug/L	09/19/10	01:42	
CCV	Fe	4913.05468	4904.61328	4921.49609	0.24298	ug/L	09/19/10	01:42	
CCV	2Fe	4.91331	4.90487	4.92175	0.24294	mg/L	09/19/10	01:42	
CCV	K	9792.74121	9778.26855	9807.21386	0.20900	ug/L	09/19/10	01:42	
CCV	Mg	5014.71582	5014.10107	5015.33105	0.01734	ug/L	09/19/10	01:42	
CCV	2Mg	5.01471	5.01410	5.01532	0.01725	mg/L	09/19/10	01:42	
CCV	Mn	4975.73144	4978.72607	4972.73632	0.08512	ug/L	09/19/10	01:42	
CCV	Mo	500.31433	497.70233	502.92633	0.73832	ug/L	09/19/10	01:42	
CCV	Na	7442.62695	7491.30664	7393.94775	0.92498	ug/L	09/19/10	01:42	
CCV	Ni	2493.73535	2493.02148	2494.44946	0.04049	ug/L	09/19/10	01:42	
CCV	Pb	507.48703	506.29217	508.68188	0.33297	ug/L	09/19/10	01:42	
CCV	Se	5027.73144	5028.57128	5026.89111	0.02363	ug/L	09/19/10	01:42	
CCV	Sb	495.49255	490.15805	500.82702	1.52254	ug/L	09/19/10	01:42	
CCV	Sn	5041.71435	5042.95996	5040.46875	0.03493	ug/L	09/19/10	01:42	
CCV	Sr	2479.01660	2477.61914	2480.41430	0.07972	ug/L	09/19/10	01:42	
CCV	Ti	491.93356	491.79776	492.06936	0.03904	ug/L	09/19/10	01:42	
CCV	Tl	5053.47851	5062.99707	5043.95996	0.26637	ug/L	09/19/10	01:42	
CCV	V	4936.91015	4940.10156	4933.71875	0.09142	ug/L	09/19/10	01:42	
CCV	Zn	2514.50488	2515.78735	2513.22265	0.07212	ug/L	09/19/10	01:42	
CCV	2203/1	502.46038	500.77090	504.14987	0.47551	ug/L	09/19/10	01:42	
CCV	2203/2	509.99224	509.04434	510.94012	0.26285	ug/L	09/19/10	01:42	
CCV	1960/1	5008.55371	5005.88720	5011.21972	0.07528	ug/L	09/19/10	01:42	
CCV	1960/2	5037.30566	5039.89599	5034.71484	0.07272	ug/L	09/19/10	01:42	
CCV	Y	951.71838	954.54693	948.88989	0.42030		09/19/10	01:42	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.10305	-0.06923	0.27534	236.42601	ug/L	09/19/10	01:47	
CCB	Al	3.20235	4.75031	1.65439	68.36058	ug/L	09/19/10	01:47	
CCB	2Al	0.00320	0.00475	0.00165	68.36058	mg/L	09/19/10	01:47	
CCB	As	0.45023	1.19796	-0.29750	234.86993	ug/L	09/19/10	01:47	
CCB	B	28.59662	30.11395	27.07930	7.50375	ug/L	09/19/10	01:47	
CCB	Ba	0.30938	-0.27328	0.89206	266.34167	ug/L	09/19/10	01:47	
CCB	Be	0.04863	-0.00225	0.09952	147.97979	ug/L	09/19/10	01:47	
CCB	Ca	0.79717	-0.75199	2.34634	274.82843	ug/L	09/19/10	01:47	
CCB	Cd	-0.09843	-0.25222	0.05535	220.95123	ug/L	09/19/10	01:47	
CCB	Co	-0.46521	-0.75237	-0.17805	87.29366	ug/L	09/19/10	01:47	
CCB	Cr	0.03688	-0.00157	0.07535	147.46313	ug/L	09/19/10	01:47	
CCB	Cu	0.22128	-0.62986	1.07244	543.95617	ug/L	09/19/10	01:47	
CCB	Fe	6.60748	-9.55031	22.76529	345.82870	ug/L	09/19/10	01:47	
CCB	2Fe	0.00660	-0.00954	0.02276	345.83947	mg/L	09/19/10	01:47	
CCB	K	-14.22427	-20.26351	-8.18504	60.04358	ug/L	09/19/10	01:47	
CCB	Mg	2.73101	-1.48749	6.94951	218.44886	ug/L	09/19/10	01:47	
CCB	2Mg	0.00272	-0.00148	0.00694	218.38533	mg/L	09/19/10	01:47	
CCB	Mn	0.48316	0.13009	0.83623	103.34350	ug/L	09/19/10	01:47	
CCB	Mo	1.45622	1.71922	1.19322	25.54114	ug/L	09/19/10	01:47	
CCB	Na	-57.33166	-151.34173	36.67840	231.89682	ug/L	09/19/10	01:47	
CCB	Ni	0.88009	1.09563	0.66455	34.63454	ug/L	09/19/10	01:47	
CCB	Pb	0.39799	0.52323	0.27275	44.50265	ug/L	09/19/10	01:47	
CCB	Se	5.76455	6.89232	4.63679	27.66738	ug/L	09/19/10	01:47	
CCB	Sb	-2.64429	-2.66762	-2.62096	1.24767	ug/L	09/19/10	01:47	
CCB	Sn	-0.70627	-4.34951	2.93695	729.50048	ug/L	09/19/10	01:47	
CCB	Sr	0.23844	0.05149	0.42539	110.88076	ug/L	09/19/10	01:47	
CCB	Ti	0.14875	0.00567	0.29182	136.02423	ug/L	09/19/10	01:47	
CCB	Tl	6.84516	9.13634	4.55398	47.33592	ug/L	09/19/10	01:47	
CCB	V	0.22749	-0.73588	1.19087	598.87231	ug/L	09/19/10	01:47	
CCB	Zn	0.43922	0.06947	0.80896	119.05116	ug/L	09/19/10	01:47	
CCB	2203/1	2.60077	2.59759	2.60395	0.17300	ug/L	09/19/10	01:47	
CCB	2203/2	-0.70174	-0.51239	-0.89110	38.16025	ug/L	09/19/10	01:47	
CCB	1960/1	6.09301	10.43706	1.74895	100.82746	ug/L	09/19/10	01:47	
CCB	1960/2	5.60057	5.12260	6.07854	12.06930	ug/L	09/19/10	01:47	
CCB	Y	958.39685	956.82543	959.96826	0.23187		09/19/10	01:47	
61112-1SD	Ag	49.81505	49.73192	49.89819	0.23601	ug/L	09/19/10	01:52	
61112-1SD	Al	1995.29174	1997.47314	1993.11022	0.15461	ug/L	09/19/10	01:52	
61112-1SD	2Al	1.99538	1.99766	1.99309	0.16196	mg/L	09/19/10	01:52	
61112-1SD	As	2057.53808	2056.10375	2058.97265	0.09859	ug/L	09/19/10	01:52	
61112-1SD	B	1086.75793	1087.15478	1086.36108	0.05164	ug/L	09/19/10	01:52	
61112-1SD	Ba	2013.53100	2016.28186	2010.78027	0.19320	ug/L	09/19/10	01:52	
61112-1SD	Be	50.12777	50.10412	50.15142	0.06672	ug/L	09/19/10	01:52	
61112-1SD	Ca	5326.18603	5330.29833	5322.07373	0.10919	ug/L	09/19/10	01:52	
61112-1SD	Cd	51.56995	51.52361	51.61629	0.12708	ug/L	09/19/10	01:52	
61112-1SD	Co	506.49838	507.16671	505.83004	0.18660	ug/L	09/19/10	01:52	
61112-1SD	Cr	202.25021	201.76614	202.73426	0.33847	ug/L	09/19/10	01:52	
61112-1SD	Cu	254.33695	254.12289	254.55102	0.11902	ug/L	09/19/10	01:52	
61112-1SD	Fe	994.93090	990.92523	998.93664	0.56937	ug/L	09/19/10	01:52	
61112-1SD	2Fe	0.99507	0.99106	0.99907	0.56922	mg/L	09/19/10	01:52	
61112-1SD	K	6806.59375	6813.30957	6799.87841	0.13953	ug/L	09/19/10	01:52	
61112-1SD	Mg	5331.59667	5334.81298	5328.38085	0.08530	ug/L	09/19/10	01:52	
61112-1SD	2Mg	5.33015	5.33336	5.32693	0.08532	mg/L	09/19/10	01:52	
61112-1SD	Mn	510.52792	510.93313	510.12271	0.11224	ug/L	09/19/10	01:52	
61112-1SD	Mo	519.40600	517.04205	521.76989	0.64363	ug/L	09/19/10	01:52	
61112-1SD	Na	162176.50000	162656.48437	161696.53125	0.41854	ug/L	09/19/10	01:52	
61112-1SD	Ni	510.53344	510.94400	510.12289	0.11372	ug/L	09/19/10	01:52	
61112-1SD	Pb	507.62145	508.97299	506.26995	0.37652	ug/L	09/19/10	01:52	
61112-1SD	Se	2065.99658	2066.83813	2065.15502	0.05760	ug/L	09/19/10	01:52	
61112-1SD	Sb	493.11660	496.48010	489.75311	0.96461	ug/L	09/19/10	01:52	
61112-1SD	Sn	1065.55761	1067.91430	1063.20092	0.31278	ug/L	09/19/10	01:52	
61112-1SD	Sr	525.15576	526.20086	524.11065	0.28144	ug/L	09/19/10	01:52	
61112-1SD	Ti	703.14611	704.05432	702.23791	0.18266	ug/L	09/19/10	01:52	
61112-1SD	Tl	2112.07275	2107.64526	2116.50024	0.29645	ug/L	09/19/10	01:52	
61112-1SD	V	493.85430	493.83554	493.87307	0.00537	ug/L	09/19/10	01:52	
61112-1SD	Zn	536.95275	537.67755	536.22802	0.19088	ug/L	09/19/10	01:52	
61112-1SD	2203/1	508.54916	506.68057	510.41775	0.51963	ug/L	09/19/10	01:52	
61112-1SD	2203/2	507.15832	510.11749	504.19915	0.82516	ug/L	09/19/10	01:52	
61112-1SD	1960/1	2048.31152	2053.89746	2042.72546	0.38567	ug/L	09/19/10	01:52	
61112-1SD	1960/2	2074.82519	2073.29785	2076.35229	0.10409	ug/L	09/19/10	01:52	
61112-1SD	Y	960.50512	960.68408	960.32617	0.02634		09/19/10	01:52	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	490.51733	490.26779	490.76684	0.07194	ug/L	09/19/10	01:57	
CCV	Al	4904.17187	4904.16113	4904.18310	0.00031	ug/L	09/19/10	01:57	
CCV	2Al	4.90419	4.90439	4.90399	0.00574	mg/L	09/19/10	01:57	
CCV	As	502.01953	502.67459	501.36444	0.18453	ug/L	09/19/10	01:57	
CCV	B	4931.11279	4925.37890	4936.84667	0.16444	ug/L	09/19/10	01:57	
CCV	Ba	4917.41650	4921.59326	4913.23974	0.12012	ug/L	09/19/10	01:57	
CCV	Be	495.80279	495.78713	495.81845	0.00446	ug/L	09/19/10	01:57	
CCV	Ca	4951.16894	4950.32666	4952.01123	0.02405	ug/L	09/19/10	01:57	
CCV	Cd	501.29772	501.44506	501.15039	0.04156	ug/L	09/19/10	01:57	
CCV	Co	493.68048	493.34197	494.01901	0.09697	ug/L	09/19/10	01:57	
CCV	Cr	4992.24462	4991.51220	4992.97705	0.02074	ug/L	09/19/10	01:57	
CCV	Cu	4877.97753	4881.84667	4874.10791	0.11218	ug/L	09/19/10	01:57	
CCV	Fe	4935.20214	4926.66503	4943.73974	0.24464	ug/L	09/19/10	01:57	
CCV	2Fe	4.93546	4.92692	4.94399	0.24461	mg/L	09/19/10	01:57	
CCV	K	9817.66601	9820.55957	9814.77246	0.04168	ug/L	09/19/10	01:57	
CCV	Mg	5027.92382	5032.01806	5023.83007	0.11515	ug/L	09/19/10	01:57	
CCV	2Mg	5.02792	5.03201	5.02382	0.11517	mg/L	09/19/10	01:57	
CCV	Mn	4985.04589	4986.62207	4983.46923	0.04472	ug/L	09/19/10	01:57	
CCV	Mo	501.62219	502.25973	500.98468	0.17973	ug/L	09/19/10	01:57	
CCV	Na	7298.46582	7200.86816	7396.06396	1.89114	ug/L	09/19/10	01:57	
CCV	Ni	2496.70361	2497.98657	2495.42089	0.07266	ug/L	09/19/10	01:57	
CCV	Pb	507.84478	508.26779	507.42181	0.11779	ug/L	09/19/10	01:57	
CCV	Se	5037.56250	5053.74414	5021.38134	0.45426	ug/L	09/19/10	01:57	
CCV	Sb	495.76556	495.00100	496.53009	0.21809	ug/L	09/19/10	01:57	
CCV	Sn	5047.30273	5046.61035	5047.99560	0.01940	ug/L	09/19/10	01:57	
CCV	Sr	2490.82885	2497.38671	2484.27099	0.37233	ug/L	09/19/10	01:57	
CCV	Ti	492.27575	492.51132	492.04019	0.06767	ug/L	09/19/10	01:57	
CCV	Tl	5076.02099	5081.26806	5070.77392	0.14618	ug/L	09/19/10	01:57	
CCV	V	4944.41113	4945.92431	4942.89843	0.04327	ug/L	09/19/10	01:57	
CCV	Zn	2517.33593	2518.46289	2516.20874	0.06331	ug/L	09/19/10	01:57	
CCV	2203/1	509.23315	509.86465	508.60162	0.17538	ug/L	09/19/10	01:57	
CCV	2203/2	507.14733	507.46618	506.82849	0.08891	ug/L	09/19/10	01:57	
CCV	1960/1	5004.12890	4998.06884	5010.18847	0.17125	ug/L	09/19/10	01:57	
CCV	1960/2	5054.25488	5081.54003	5026.96923	0.76346	ug/L	09/19/10	01:57	
CCV	Y	943.81335	943.04077	944.58599	0.11576		09/19/10	01:57	
CCB	Ag	-0.31605	-0.06924	-0.56286	110.43679	ug/L	09/19/10	02:02	
CCB	Al	4.91780	2.59591	7.23970	66.77079	ug/L	09/19/10	02:02	
CCB	2Al	0.00491	0.00259	0.00724	66.77095	mg/L	09/19/10	02:02	
CCB	As	-3.22865	-1.89344	-4.56387	58.48492	ug/L	09/19/10	02:02	
CCB	B	30.45179	32.33528	28.56830	8.74714	ug/L	09/19/10	02:02	
CCB	Ba	0.43264	0.01197	0.85331	137.50741	ug/L	09/19/10	02:02	
CCB	Be	0.05889	0.03377	0.08401	60.31332	ug/L	09/19/10	02:02	
CCB	Ca	2.46039	1.93586	2.98492	30.14943	ug/L	09/19/10	02:02	
CCB	Cd	-0.06110	-0.21574	0.09352	357.88095	ug/L	09/19/10	02:02	
CCB	Co	-0.03385	0.06171	-0.12942	399.20306	ug/L	09/19/10	02:02	
CCB	Cr	0.48495	-0.11827	1.08817	175.91352	ug/L	09/19/10	02:02	
CCB	Cu	-0.00846	-0.70630	0.68937	11657.57519	ug/L	09/19/10	02:02	
CCB	Fe	4.45900	1.21356	7.70444	102.93193	ug/L	09/19/10	02:02	
CCB	2Fe	0.00445	0.00121	0.00770	102.93022	mg/L	09/19/10	02:02	
CCB	K	-12.48939	-5.87563	-19.10315	74.88964	ug/L	09/19/10	02:02	
CCB	Mg	-0.07428	-4.29807	4.14949	8040.92138	ug/L	09/19/10	02:02	
CCB	2Mg	-0.00007	-0.00429	0.00414	7987.60449	mg/L	09/19/10	02:02	
CCB	Mn	0.64368	0.20105	1.08630	97.24765	ug/L	09/19/10	02:02	
CCB	Mo	1.08487	2.76302	-0.59327	218.75973	ug/L	09/19/10	02:02	
CCB	Na	13.95100	194.97041	-167.06840	1834.99414	ug/L	09/19/10	02:02	
CCB	Ni	1.03163	0.85795	1.20531	23.80932	ug/L	09/19/10	02:02	
CCB	Pb	1.19548	0.47703	1.91393	84.98968	ug/L	09/19/10	02:02	
CCB	Se	1.91704	3.62690	0.20718	126.13754	ug/L	09/19/10	02:02	
CCB	Sb	-4.29605	-8.16224	-0.42987	127.27039	ug/L	09/19/10	02:02	
CCB	Sn	0.46950	2.59541	-1.65641	640.36077	ug/L	09/19/10	02:02	
CCB	Sr	0.29108	0.07926	0.50290	102.91174	ug/L	09/19/10	02:02	
CCB	Ti	0.22546	0.20342	0.24751	13.82525	ug/L	09/19/10	02:02	
CCB	Tl	9.02784	9.20024	8.85545	2.70055	ug/L	09/19/10	02:02	
CCB	V	0.64791	0.46328	0.83254	40.30006	ug/L	09/19/10	02:02	
CCB	Zn	0.24121	0.06920	0.41322	100.85007	ug/L	09/19/10	02:02	
CCB	2203/1	-1.15443	-1.21200	-1.09687	7.05173	ug/L	09/19/10	02:02	
CCB	2203/2	2.36868	1.32029	3.41708	62.59397	ug/L	09/19/10	02:02	
CCB	1960/1	-2.42301	3.51242	-8.35844	346.42709	ug/L	09/19/10	02:02	
CCB	1960/2	4.08381	3.68405	4.48357	13.84353	ug/L	09/19/10	02:02	
CCB	Y	957.46710	957.13098	957.80322	0.04964		09/19/10	02:02	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 180163	Ag	0.17690	-0.21668	0.57049	314.64099	ug/L	09/19/10	02:08	
PBW 180163	Al	7.73908	6.85942	8.61873	16.07456	ug/L	09/19/10	02:08	
PBW 180163	2Al	0.00773	0.00686	0.00861	16.07456	mg/L	09/19/10	02:08	
PBW 180163	As	-2.27291	-2.34882	-2.19699	4.72366	ug/L	09/19/10	02:08	
PBW 180163	B	19.53047	19.50921	19.55173	0.15393	ug/L	09/19/10	02:08	
PBW 180163	Ba	-0.14294	-0.29790	0.01202	153.31378	ug/L	09/19/10	02:08	
PBW 180163	Be	0.00463	-0.00483	0.01411	288.88946	ug/L	09/19/10	02:08	
PBW 180163	Ca	13.51302	13.39916	13.62688	1.19164	ug/L	09/19/10	02:08	
PBW 180163	Cd	-0.14661	-0.01650	-0.27671	125.49931	ug/L	09/19/10	02:08	
PBW 180163	Co	-0.13946	-0.38678	0.10785	250.78887	ug/L	09/19/10	02:08	
PBW 180163	Cr	0.55888	0.26644	0.85131	73.99961	ug/L	09/19/10	02:08	
PBW 180163	Cu	-0.21743	-0.43668	0.00182	142.60845	ug/L	09/19/10	02:08	
PBW 180163	Fe	2.28249	-0.93698	5.50197	199.47650	ug/L	09/19/10	02:08	
PBW 180163	2Fe	0.00228	-0.00093	0.00550	199.48411	mg/L	09/19/10	02:08	
PBW 180163	K	-12.64877	-36.76848	11.47094	269.67382	ug/L	09/19/10	02:08	
PBW 180163	Mg	-0.07354	1.32837	-1.47546	2695.83471	ug/L	09/19/10	02:08	
PBW 180163	2Mg	-0.00007	0.00132	-0.00147	2682.69262	mg/L	09/19/10	02:08	
PBW 180163	Mn	0.02292	0.06959	-0.02374	287.89593	ug/L	09/19/10	02:08	
PBW 180163	Mo	0.70796	0.81795	0.59798	21.97028	ug/L	09/19/10	02:08	
PBW 180163	Na	-104.93090	-167.94773	-41.91408	84.93135	ug/L	09/19/10	02:08	
PBW 180163	Ni	0.40865	-0.80146	1.61877	418.78369	ug/L	09/19/10	02:08	
PBW 180163	Pb	0.85063	0.97878	0.72248	21.30549	ug/L	09/19/10	02:08	
PBW 180163	Se	3.04609	6.12454	-0.03235	142.92370	ug/L	09/19/10	02:08	
PBW 180163	Sb	-2.25689	-3.46378	-1.05000	75.62617	ug/L	09/19/10	02:08	
PBW 180163	Sn	-0.66973	-2.96007	1.62061	483.63323	ug/L	09/19/10	02:08	
PBW 180163	Sr	-0.00790	-0.01147	-0.00434	63.72681	ug/L	09/19/10	02:08	
PBW 180163	Ti	0.10703	0.00957	0.20449	128.77290	ug/L	09/19/10	02:08	
PBW 180163	Tl	2.27354	-1.03570	5.58278	205.84529	ug/L	09/19/10	02:08	
PBW 180163	V	0.36201	0.10060	0.62342	102.11912	ug/L	09/19/10	02:08	
PBW 180163	Zn	0.21039	0.18057	0.24021	20.04363	ug/L	09/19/10	02:08	
PBW 180163	2203/1	-0.56269	0.56859	-1.69399	284.32501	ug/L	09/19/10	02:08	
PBW 180163	2203/2	1.55624	1.18357	1.92891	33.86564	ug/L	09/19/10	02:08	
PBW 180163	1960/1	6.38215	9.61505	3.14924	71.63758	ug/L	09/19/10	02:08	
PBW 180163	1960/2	1.38056	4.38190	-1.62077	307.44973	ug/L	09/19/10	02:08	
PBW 180163	Y	962.39953	964.37689	960.42218	0.29056		09/19/10	02:08	
LCSW-1	Ag	51.07167	51.51355	50.62979	1.22359	ug/L	09/19/10	02:13	
LCSW-1	Al	2003.21630	2001.50598	2004.92663	0.12074	ug/L	09/19/10	02:13	
LCSW-1	2Al	2.00330	2.00148	2.00512	0.12814	mg/L	09/19/10	02:13	
LCSW-1	As	2058.48095	2058.39746	2058.56445	0.00573	ug/L	09/19/10	02:13	
LCSW-1	B	1054.39257	1052.84875	1055.93627	0.20705	ug/L	09/19/10	02:13	
LCSW-1	Ba	2052.20507	2052.65844	2051.75146	0.03125	ug/L	09/19/10	02:13	
LCSW-1	Be	50.98295	51.09868	50.86722	0.32102	ug/L	09/19/10	02:13	
LCSW-1	Ca	5226.08886	5232.37988	5219.79833	0.17023	ug/L	09/19/10	02:13	
LCSW-1	Cd	52.03386	52.23978	51.82794	0.55966	ug/L	09/19/10	02:13	
LCSW-1	Co	514.21691	515.16497	513.26885	0.26073	ug/L	09/19/10	02:13	
LCSW-1	Cr	209.13401	209.05404	209.21398	0.05407	ug/L	09/19/10	02:13	
LCSW-1	Cu	252.65689	252.71617	252.59761	0.03318	ug/L	09/19/10	02:13	
LCSW-1	Fe	1015.90185	1022.20581	1009.59796	0.87755	ug/L	09/19/10	02:13	
LCSW-1	2Fe	1.01604	1.02234	1.00973	0.87741	mg/L	09/19/10	02:13	
LCSW-1	K	5205.26269	5222.35449	5188.17138	0.46435	ug/L	09/19/10	02:13	
LCSW-1	Mg	5324.72753	5326.68701	5322.76757	0.05204	ug/L	09/19/10	02:13	
LCSW-1	2Mg	5.32328	5.32524	5.32132	0.05202	mg/L	09/19/10	02:13	
LCSW-1	Mn	518.58630	518.98535	518.18731	0.10881	ug/L	09/19/10	02:13	
LCSW-1	Mo	534.35803	531.77331	536.94274	0.68406	ug/L	09/19/10	02:13	
LCSW-1	Na	5113.59472	5194.90185	5032.28808	2.24861	ug/L	09/19/10	02:13	
LCSW-1	Ni	518.43823	518.49963	518.37689	0.01674	ug/L	09/19/10	02:13	
LCSW-1	Pb	522.28979	524.13018	520.44946	0.49831	ug/L	09/19/10	02:13	
LCSW-1	Se	2084.13769	2092.48144	2075.79418	0.56616	ug/L	09/19/10	02:13	
LCSW-1	Sb	493.74060	491.32434	496.15682	0.69208	ug/L	09/19/10	02:13	
LCSW-1	Sn	1064.10388	1064.77038	1063.43737	0.08857	ug/L	09/19/10	02:13	
LCSW-1	Sr	536.03698	535.97491	536.09912	0.01638	ug/L	09/19/10	02:13	
LCSW-1	Ti	725.08953	725.45550	724.72357	0.07137	ug/L	09/19/10	02:13	
LCSW-1	Tl	2145.76733	2141.92211	2149.61254	0.25342	ug/L	09/19/10	02:13	
LCSW-1	V	507.35845	507.48999	507.22695	0.03665	ug/L	09/19/10	02:13	
LCSW-1	Zn	524.55926	525.24133	523.87719	0.18388	ug/L	09/19/10	02:13	
LCSW-1	2203/1	519.62402	517.50091	521.74707	0.57781	ug/L	09/19/10	02:13	
LCSW-1	2203/2	523.62072	527.43988	519.80163	1.03148	ug/L	09/19/10	02:13	
LCSW-1	1960/1	2051.42358	2052.24682	2050.60034	0.05675	ug/L	09/19/10	02:13	
LCSW-1	1960/2	2100.46972	2112.56811	2088.37158	0.81455	ug/L	09/19/10	02:13	
LCSW-1	Y	949.85888	949.50970	950.20812	0.05199		09/19/10	02:13	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSD	Ag	50.32870	50.33835	50.31904	0.02713	ug/L	09/19/10	02:18	
LCSD	Al	1998.78369	2002.49560	1995.07189	0.26262	ug/L	09/19/10	02:18	
LCSD	2Al	1.99887	2.00248	1.99526	0.25530	mg/L	09/19/10	02:18	
LCSD	As	2066.57983	2069.89526	2063.26440	0.22688	ug/L	09/19/10	02:18	
LCSD	B	1027.62548	1030.49707	1024.75402	0.39517	ug/L	09/19/10	02:18	
LCSD	Ba	2056.41284	2060.94921	2051.87646	0.31197	ug/L	09/19/10	02:18	
LCSD	Be	51.06853	51.21765	50.91941	0.41295	ug/L	09/19/10	02:18	
LCSD	Ca	5063.67968	5074.86425	5052.49560	0.31236	ug/L	09/19/10	02:18	
LCSD	Cd	52.19126	52.35474	52.02779	0.44295	ug/L	09/19/10	02:18	
LCSD	Co	515.68298	516.96801	514.39801	0.35240	ug/L	09/19/10	02:18	
LCSD	Cr	209.85777	211.08341	208.63212	0.82595	ug/L	09/19/10	02:18	
LCSD	Cu	253.68560	254.35377	253.01742	0.37248	ug/L	09/19/10	02:18	
LCSD	Fe	1010.77172	1014.42352	1007.11999	0.51093	ug/L	09/19/10	02:18	
LCSD	2Fe	1.01091	1.01456	1.00726	0.51089	mg/L	09/19/10	02:18	
LCSD	K	5021.48974	5022.32324	5020.65625	0.02347	ug/L	09/19/10	02:18	
LCSD	Mg	5148.10302	5162.12109	5134.08496	0.38508	ug/L	09/19/10	02:18	
LCSD	2Mg	5.14670	5.16072	5.13269	0.38508	mg/L	09/19/10	02:18	
LCSD	Mn	519.12750	520.77770	517.47729	0.44955	ug/L	09/19/10	02:18	
LCSD	Mo	516.04528	516.96588	515.12469	0.25228	ug/L	09/19/10	02:18	
LCSD	Na	4795.20019	4799.97607	4790.42382	0.14085	ug/L	09/19/10	02:18	
LCSD	Ni	518.98901	521.57592	516.40209	0.70491	ug/L	09/19/10	02:18	
LCSD	Pb	522.98199	525.09271	520.87127	0.57076	ug/L	09/19/10	02:18	
LCSD	Se	2088.25341	2095.63061	2080.87622	0.49960	ug/L	09/19/10	02:18	
LCSD	Sb	500.66717	500.06915	501.26516	0.16891	ug/L	09/19/10	02:18	
LCSD	Sn	1032.53308	1034.92114	1030.14501	0.32708	ug/L	09/19/10	02:18	
LCSD	Sr	518.34143	520.92395	515.75897	0.70459	ug/L	09/19/10	02:18	
LCSD	Ti	701.58251	703.93200	699.23297	0.47360	ug/L	09/19/10	02:18	
LCSD	Tl	2159.22021	2163.88842	2154.55175	0.30575	ug/L	09/19/10	02:18	
LCSD	V	507.62890	509.15884	506.09893	0.42623	ug/L	09/19/10	02:18	
LCSD	Zn	527.42492	529.49456	525.35528	0.55494	ug/L	09/19/10	02:18	
LCSD	2203/1	522.35522	525.36132	519.34912	0.81386	ug/L	09/19/10	02:18	
LCSD	2203/2	523.29492	524.95861	521.63122	0.44961	ug/L	09/19/10	02:18	
LCSD	1960/1	2062.14208	2070.07055	2054.21337	0.54374	ug/L	09/19/10	02:18	
LCSD	1960/2	2101.28906	2108.39086	2094.18701	0.47797	ug/L	09/19/10	02:18	
LCSD	Y	963.37731	959.44445	967.31018	0.57733		09/19/10	02:18	
61291-1	Ag	-0.21642	-0.31421	-0.11863	63.89803	ug/L	09/19/10	02:23	
61291-1	Al	15820.40917	15784.24218	15856.57617	0.32330	ug/L	09/19/10	02:23	
61291-1	2Al	15.82135	15.78559	15.85711	0.31963	mg/L	09/19/10	02:23	
61291-1	As	-1.34977	0.34274	-3.04229	177.33224	ug/L	09/19/10	02:23	
61291-1	B	44.53865	44.84208	44.23523	0.96344	ug/L	09/19/10	02:23	
61291-1	Ba	52.91590	52.66482	53.16698	0.67101	ug/L	09/19/10	02:23	
61291-1	Be	0.26571	0.25871	0.27271	3.72589	ug/L	09/19/10	02:23	
61291-1	Ca	892.64880	889.39697	895.90069	0.51518	ug/L	09/19/10	02:23	
61291-1	Cd	-0.05921	-0.05088	-0.06755	19.90117	ug/L	09/19/10	02:23	
61291-1	Co	1.18933	1.34608	1.03259	18.63857	ug/L	09/19/10	02:23	
61291-1	Cr	26.12068	26.06150	26.17987	0.32045	ug/L	09/19/10	02:23	
61291-1	Cu	5.95577	6.24724	5.66429	6.92118	ug/L	09/19/10	02:23	
61291-1	Fe	7678.13671	7646.76318	7709.50976	0.57785	ug/L	09/19/10	02:23	
61291-1	2Fe	7.67756	7.64619	7.70894	0.57785	mg/L	09/19/10	02:23	
61291-1	K	300.17120	298.11547	302.22695	0.96853	ug/L	09/19/10	02:23	
61291-1	Mg	2533.53417	2526.44946	2540.61914	0.39547	ug/L	09/19/10	02:23	
61291-1	2Mg	2.53147	2.52440	2.53855	0.39537	mg/L	09/19/10	02:23	
61291-1	Mn	20.75133	20.60415	20.89852	1.00305	ug/L	09/19/10	02:23	
61291-1	Mo	1.62829	2.51435	0.74223	76.95656	ug/L	09/19/10	02:23	
61291-1	Na	6234.70800	6343.67480	6125.74072	2.47169	ug/L	09/19/10	02:23	
61291-1	Ni	17.10175	16.78113	17.42237	2.65134	ug/L	09/19/10	02:23	
61291-1	Pb	13.15246	14.02591	12.27902	9.39166	ug/L	09/19/10	02:23	
61291-1	Se	3.08651	5.10492	1.06811	92.48123	ug/L	09/19/10	02:23	
61291-1	Sb	-2.44412	0.21626	-5.10451	153.93464	ug/L	09/19/10	02:23	
61291-1	Sn	-2.60602	-1.67384	-3.53821	50.58677	ug/L	09/19/10	02:23	
61291-1	Sr	80.79423	80.59446	80.99401	0.34967	ug/L	09/19/10	02:23	
61291-1	Ti	81.60990	81.98653	81.23329	0.65264	ug/L	09/19/10	02:23	
61291-1	Tl	-0.62022	-2.90189	1.66145	520.26110	ug/L	09/19/10	02:23	
61291-1	V	19.39315	18.64253	20.14376	5.47375	ug/L	09/19/10	02:23	
61291-1	Zn	15.57124	15.82495	15.31754	2.30417	ug/L	09/19/10	02:23	
61291-1	2203/1	13.42398	14.85219	11.99577	15.04616	ug/L	09/19/10	02:23	
61291-1	2203/2	13.01691	13.61339	12.42043	6.48037	ug/L	09/19/10	02:23	
61291-1	1960/1	0.13047	-1.09759	1.35854	1331.12536	ug/L	09/19/10	02:23	
61291-1	1960/2	4.56232	8.20153	0.92312	112.80670	ug/L	09/19/10	02:23	
61291-1	Y	966.86492	966.90856	966.82128	0.00638		09/19/10	02:23	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61291-2	Ag	0.00414	-0.65608	0.66437	22525.00781	ug/L	09/19/10	02:28	
61291-2	Al	6262.97656	6260.59228	6265.36035	0.05383	ug/L	09/19/10	02:28	
61291-2	2Al	6.26307	6.26079	6.26536	0.05149	mg/L	09/19/10	02:28	
61291-2	As	-2.02384	-4.86662	0.81894	198.64717	ug/L	09/19/10	02:28	
61291-2	B	36.18083	35.28819	37.07347	3.48909	ug/L	09/19/10	02:28	
61291-2	Ba	38.47331	38.41500	38.53161	0.21432	ug/L	09/19/10	02:28	
61291-2	Be	0.10631	0.11013	0.10248	5.09117	ug/L	09/19/10	02:28	
61291-2	Ca	11192.74218	11180.62011	11204.86425	0.15316	ug/L	09/19/10	02:28	
61291-2	Cd	-0.34197	-0.09575	-0.58819	101.82085	ug/L	09/19/10	02:28	
61291-2	Co	0.09727	0.23647	-0.04193	202.38545	ug/L	09/19/10	02:28	
61291-2	Cr	10.40774	10.55321	10.26226	1.97673	ug/L	09/19/10	02:28	
61291-2	Cu	2.16259	1.66098	2.66420	32.80224	ug/L	09/19/10	02:28	
61291-2	Fe	4299.04980	4288.04296	4310.05615	0.36207	ug/L	09/19/10	02:28	
61291-2	2Fe	4.29873	4.28772	4.30973	0.36206	mg/L	09/19/10	02:28	
61291-2	K	271.25134	265.24728	277.25540	3.13031	ug/L	09/19/10	02:28	
61291-2	Mg	2528.76879	2523.91650	2533.62109	0.27136	ug/L	09/19/10	02:28	
61291-2	2Mg	2.52730	2.52245	2.53215	0.27134	mg/L	09/19/10	02:28	
61291-2	Mn	7.61052	7.61594	7.60510	0.10069	ug/L	09/19/10	02:28	
61291-2	Mo	0.70654	-0.80783	2.22092	303.11764	ug/L	09/19/10	02:28	
61291-2	Na	5679.43457	5822.47314	5536.39648	3.56174	ug/L	09/19/10	02:28	
61291-2	Ni	6.77834	6.23818	7.31850	11.26974	ug/L	09/19/10	02:28	
61291-2	Pb	7.76513	8.99466	6.53560	22.39258	ug/L	09/19/10	02:28	
61291-2	Se	2.93787	1.73240	4.14335	58.02826	ug/L	09/19/10	02:28	
61291-2	Sb	-2.58934	-2.26907	-2.90961	17.49203	ug/L	09/19/10	02:28	
61291-2	Sn	-2.17979	-3.78166	-0.57792	103.92645	ug/L	09/19/10	02:28	
61291-2	Sr	140.00492	139.80789	140.20196	0.19903	ug/L	09/19/10	02:28	
61291-2	Ti	49.64006	49.43688	49.84325	0.57885	ug/L	09/19/10	02:28	
61291-2	Tl	1.27614	1.28017	1.27211	0.44663	ug/L	09/19/10	02:28	
61291-2	V	11.26246	11.43401	11.09090	2.15417	ug/L	09/19/10	02:28	
61291-2	Zn	3.07820	3.30192	2.85449	10.27801	ug/L	09/19/10	02:28	
61291-2	2203/1	9.56301	10.60474	8.52128	15.40550	ug/L	09/19/10	02:28	
61291-2	2203/2	6.86754	8.19083	5.54425	27.25003	ug/L	09/19/10	02:28	
61291-2	1960/1	-2.88366	-1.69549	-4.07182	58.27050	ug/L	09/19/10	02:28	
61291-2	1960/2	5.84428	3.44377	8.24478	58.08793	ug/L	09/19/10	02:28	
61291-2	Y	966.82568	967.61572	966.03558	0.11556		09/19/10	02:28	
61291-3	Ag	-1.96425	-1.94616	-1.98235	1.30259	ug/L	09/19/10	02:34	
61291-3	Al	1486739.00000	1492513.00000	1480965.00000	0.54923	ug/L	09/19/10	02:34	
61291-3	2Al	1486.84790	1492.59826	1481.09765	0.54693	mg/L	09/19/10	02:34	
61291-3	As	74.54845	75.03995	74.05695	0.93239	ug/L	09/19/10	02:34	
61291-3	B	154.60565	155.22915	153.98216	0.57032	ug/L	09/19/10	02:34	
61291-3	Ba	2087.12451	2091.57128	2082.67797	0.30130	ug/L	09/19/10	02:34	
61291-3	Be	11.16307	11.17886	11.14728	0.20000	ug/L	09/19/10	02:34	
61291-3	Ca	20764.37500	20813.61328	20715.13476	0.33535	ug/L	09/19/10	02:34	
61291-3	Cd	-1.65400	-1.59934	-1.70865	4.67301	ug/L	09/19/10	02:34	
61291-3	Co	48.10397	48.24292	47.96502	0.40850	ug/L	09/19/10	02:34	
61291-3	Cr	1385.80615	1388.87622	1382.73596	0.31330	ug/L	09/19/10	02:34	
61291-3	Cu	350.38677	351.98681	348.78677	0.64579	ug/L	09/19/10	02:34	
61291-3	Fe	198081.87500	198643.00000	197520.73437	0.40062	ug/L	09/19/10	02:34	
61291-3	2Fe	198.06300	198.62086	197.50514	0.39832	mg/L	09/19/10	02:34	
61291-3	K	17930.73242	17989.03906	17872.42578	0.45986	ug/L	09/19/10	02:34	
61291-3	Mg	55238.82031	55377.75781	55099.87890	0.35571	ug/L	09/19/10	02:34	
61291-3	2Mg	55.18847	55.32727	55.04967	0.35568	mg/L	09/19/10	02:34	
61291-3	Mn	178.98284	179.60963	178.35607	0.49524	ug/L	09/19/10	02:34	
61291-3	Mo	70.01416	67.65953	72.36878	4.75609	ug/L	09/19/10	02:34	
61291-3	Na	10604.71093	10400.02832	10809.39453	2.72959	ug/L	09/19/10	02:34	
61291-3	Ni	333.10357	333.73532	332.47183	0.26821	ug/L	09/19/10	02:34	
61291-3	Pb	858.41271	859.69665	857.12872	0.21153	ug/L	09/19/10	02:34	
61291-3	Se	110.35923	109.97878	110.73967	0.48752	ug/L	09/19/10	02:34	
61291-3	Sb	24.69554	23.97525	25.41583	4.12479	ug/L	09/19/10	02:34	
61291-3	Sn	25.15871	28.99607	21.32135	21.57043	ug/L	09/19/10	02:34	
61291-3	Sr	4763.07373	4771.34765	4754.79980	0.24566	ug/L	09/19/10	02:34	
61291-3	Ti	1423.51525	1428.50683	1418.52368	0.49589	ug/L	09/19/10	02:34	
61291-3	Tl	9.50700	7.06203	11.95197	36.37011	ug/L	09/19/10	02:34	
61291-3	V	1176.47985	1179.93859	1173.02111	0.41576	ug/L	09/19/10	02:34	
61291-3	Zn	110.52864	111.17345	109.88384	0.82502	ug/L	09/19/10	02:34	
61291-3	2203/1	1120.23681	1120.26086	1120.21289	0.00302	ug/L	09/19/10	02:34	
61291-3	2203/2	727.69689	729.60986	725.78387	0.37177	ug/L	09/19/10	02:34	
61291-3	1960/1	98.28729	102.89591	93.67866	6.63115	ug/L	09/19/10	02:34	
61291-3	1960/2	116.38614	113.51490	119.25739	3.48886	ug/L	09/19/10	02:34	
61291-3	Y	960.54003	957.14843	963.93164	0.49934		09/19/10	02:34	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61291-4	Ag	0.19678	0.60949	-0.21592	296.59783	ug/L	09/19/10	02:39	
61291-4	Al	8655.78222	8670.00488	8641.55957	0.23237	ug/L	09/19/10	02:39	
61291-4	2Al	8.65592	8.66983	8.64200	0.22740	mg/L	09/19/10	02:39	
61291-4	As	1.08553	3.11981	-0.94874	265.02163	ug/L	09/19/10	02:39	
61291-4	B	37.21391	36.18759	38.24022	3.90021	ug/L	09/19/10	02:39	
61291-4	Ba	25.14722	25.18153	25.11292	0.19293	ug/L	09/19/10	02:39	
61291-4	Be	0.16238	0.15574	0.16902	5.78397	ug/L	09/19/10	02:39	
61291-4	Ca	640.31225	640.67437	639.95007	0.07998	ug/L	09/19/10	02:39	
61291-4	Cd	-0.41090	-0.17918	-0.64262	79.75194	ug/L	09/19/10	02:39	
61291-4	Co	0.40839	0.18719	0.62959	76.59724	ug/L	09/19/10	02:39	
61291-4	Cr	38.52226	38.30984	38.73467	0.77980	ug/L	09/19/10	02:39	
61291-4	Cu	8.80265	8.78467	8.82064	0.28892	ug/L	09/19/10	02:39	
61291-4	Fe	7655.22265	7653.20947	7657.23632	0.03719	ug/L	09/19/10	02:39	
61291-4	2Fe	7.65465	7.65264	7.65667	0.03719	mg/L	09/19/10	02:39	
61291-4	K	240.00820	236.62837	243.38803	1.99151	ug/L	09/19/10	02:39	
61291-4	Mg	1615.48779	1612.44653	1618.52893	0.26622	ug/L	09/19/10	02:39	
61291-4	2Mg	1.61370	1.61066	1.61674	0.26642	mg/L	09/19/10	02:39	
61291-4	Mn	40.71662	40.70951	40.72372	0.02467	ug/L	09/19/10	02:39	
61291-4	Mo	4.66471	4.10961	5.21981	16.82902	ug/L	09/19/10	02:39	
61291-4	Na	7454.32958	7361.29980	7547.35937	1.76493	ug/L	09/19/10	02:39	
61291-4	Ni	14.94630	14.93300	14.95960	0.12584	ug/L	09/19/10	02:39	
61291-4	Pb	8.96286	8.65462	9.27109	4.86350	ug/L	09/19/10	02:39	
61291-4	Se	1.46389	2.64459	0.28319	114.06297	ug/L	09/19/10	02:39	
61291-4	Sb	0.77031	2.01196	-0.47133	227.95419	ug/L	09/19/10	02:39	
61291-4	Sn	-0.78605	-0.92946	-0.64264	25.80147	ug/L	09/19/10	02:39	
61291-4	Sr	70.98714	70.94150	71.03278	0.09092	ug/L	09/19/10	02:39	
61291-4	Ti	77.59367	77.62245	77.56490	0.05244	ug/L	09/19/10	02:39	
61291-4	Tl	-2.76257	-0.49010	-5.03504	116.33206	ug/L	09/19/10	02:39	
61291-4	V	12.30140	12.03086	12.57193	3.11020	ug/L	09/19/10	02:39	
61291-4	Zn	9.89847	9.77537	10.02158	1.75883	ug/L	09/19/10	02:39	
61291-4	2203/1	11.82053	11.75846	11.88261	0.74265	ug/L	09/19/10	02:39	
61291-4	2203/2	7.53616	7.10503	7.96729	8.09043	ug/L	09/19/10	02:39	
61291-4	1960/1	-0.57432	-0.86603	-0.28261	71.83042	ug/L	09/19/10	02:39	
61291-4	1960/2	2.48147	4.39727	0.56567	109.18303	ug/L	09/19/10	02:39	
61291-4	Y	972.91918	973.91876	971.91961	0.14529		09/19/10	02:39	
61291-5	Ag	0.00348	0.12560	-0.11863	4962.04736	ug/L	09/19/10	02:44	
61291-5	Al	14130.07714	14143.69042	14116.46386	0.13624	ug/L	09/19/10	02:44	
61291-5	2Al	14.13105	14.14446	14.11765	0.13418	mg/L	09/19/10	02:44	
61291-5	As	2.88145	4.49814	1.26476	79.34673	ug/L	09/19/10	02:44	
61291-5	B	39.59249	39.17605	40.00894	1.48750	ug/L	09/19/10	02:44	
61291-5	Ba	34.88145	34.79450	34.96840	0.35251	ug/L	09/19/10	02:44	
61291-5	Be	0.15298	0.15265	0.15331	0.30476	ug/L	09/19/10	02:44	
61291-5	Ca	371.02911	370.73742	371.32077	0.11117	ug/L	09/19/10	02:44	
61291-5	Cd	-0.31273	-0.37441	-0.25104	27.89612	ug/L	09/19/10	02:44	
61291-5	Co	-0.06764	0.13737	-0.27266	428.63296	ug/L	09/19/10	02:44	
61291-5	Cr	19.93906	20.10493	19.77318	1.17648	ug/L	09/19/10	02:44	
61291-5	Cu	6.87184	7.28218	6.46149	8.44481	ug/L	09/19/10	02:44	
61291-5	Fe	3636.89062	3642.21044	3631.57080	0.20686	ug/L	09/19/10	02:44	
61291-5	2Fe	3.63662	3.64194	3.63130	0.20686	mg/L	09/19/10	02:44	
61291-5	K	316.44189	313.62948	319.25433	1.25690	ug/L	09/19/10	02:44	
61291-5	Mg	1435.74206	1437.97338	1433.51074	0.21978	ug/L	09/19/10	02:44	
61291-5	2Mg	1.43470	1.43693	1.43247	0.21979	mg/L	09/19/10	02:44	
61291-5	Mn	7.85672	7.82051	7.89292	0.65171	ug/L	09/19/10	02:44	
61291-5	Mo	1.14599	0.00383	2.28815	140.94828	ug/L	09/19/10	02:44	
61291-5	Na	7270.66455	7204.98828	7336.34082	1.27746	ug/L	09/19/10	02:44	
61291-5	Ni	7.85001	7.23797	8.46205	11.02621	ug/L	09/19/10	02:44	
61291-5	Pb	13.44724	12.14277	14.75170	13.71875	ug/L	09/19/10	02:44	
61291-5	Se	7.34104	4.57826	10.10382	53.22348	ug/L	09/19/10	02:44	
61291-5	Sb	1.41391	0.24732	2.58050	116.68374	ug/L	09/19/10	02:44	
61291-5	Sn	-1.07128	0.65457	-2.79714	227.83192	ug/L	09/19/10	02:44	
61291-5	Sr	122.35867	122.22771	122.48962	0.15135	ug/L	09/19/10	02:44	
61291-5	Ti	74.07951	73.93820	74.22082	0.26977	ug/L	09/19/10	02:44	
61291-5	Tl	2.75473	0.76401	4.74546	102.19891	ug/L	09/19/10	02:44	
61291-5	V	18.54626	18.55789	18.53463	0.08869	ug/L	09/19/10	02:44	
61291-5	Zn	4.89352	4.78384	5.00321	3.16987	ug/L	09/19/10	02:44	
61291-5	2203/1	16.68831	15.54043	17.83618	9.72738	ug/L	09/19/10	02:44	
61291-5	2203/2	11.82913	10.44649	13.21178	16.53000	ug/L	09/19/10	02:44	
61291-5	1960/1	0.62494	2.07832	-0.82844	328.89367	ug/L	09/19/10	02:44	
61291-5	1960/2	10.69406	5.82636	15.56176	64.37186	ug/L	09/19/10	02:44	
61291-5	Y	968.38397	967.81652	968.95141	0.08286		09/19/10	02:44	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61291-5L	Ag	0.42456	-0.46275	1.31187	295.56353	ug/L	09/19/10	02:49	
61291-5L	Al	2829.18798	2849.71508	2808.66088	1.02607	ug/L	09/19/10	02:49	
61291-5L	2Al	2.82936	2.84999	2.80873	1.03130	mg/L	09/19/10	02:49	
61291-5L	As	-0.51545	2.00720	-3.03812	692.11914	ug/L	09/19/10	02:49	
61291-5L	B	21.64244	22.18155	21.10333	3.52277	ug/L	09/19/10	02:49	
61291-5L	Ba	6.59158	6.58030	6.60287	0.24210	ug/L	09/19/10	02:49	
61291-5L	Be	0.04601	0.03628	0.05574	29.91842	ug/L	09/19/10	02:49	
61291-5L	Ca	79.64767	80.24692	79.04841	1.06402	ug/L	09/19/10	02:49	
61291-5L	Cd	0.15912	-0.02663	0.34489	165.09674	ug/L	09/19/10	02:49	
61291-5L	Co	-0.37973	-0.41856	-0.34090	14.46266	ug/L	09/19/10	02:49	
61291-5L	Cr	3.99741	4.14509	3.84973	5.22460	ug/L	09/19/10	02:49	
61291-5L	Cu	0.93799	1.23381	0.64216	44.60136	ug/L	09/19/10	02:49	
61291-5L	Fe	718.85253	723.52197	714.18316	0.91862	ug/L	09/19/10	02:49	
61291-5L	2Fe	0.71879	0.72346	0.71413	0.91860	mg/L	09/19/10	02:49	
61291-5L	K	56.88676	47.80399	65.96952	22.57989	ug/L	09/19/10	02:49	
61291-5L	Mg	284.80432	287.12326	282.48538	1.15148	ug/L	09/19/10	02:49	
61291-5L	2Mg	0.28459	0.28691	0.28228	1.15158	mg/L	09/19/10	02:49	
61291-5L	Mn	1.62398	1.58554	1.66242	3.34723	ug/L	09/19/10	02:49	
61291-5L	Mo	1.22949	1.71090	0.74807	55.37457	ug/L	09/19/10	02:49	
61291-5L	Na	1214.98730	1126.37939	1303.59509	10.31372	ug/L	09/19/10	02:49	
61291-5L	Ni	1.56692	0.50354	2.63030	95.97474	ug/L	09/19/10	02:49	
61291-5L	Pb	2.41040	3.40129	1.41951	58.13689	ug/L	09/19/10	02:49	
61291-5L	Se	1.93790	0.87205	3.00374	77.78155	ug/L	09/19/10	02:49	
61291-5L	Sb	-0.77178	-3.54075	1.99719	507.38763	ug/L	09/19/10	02:49	
61291-5L	Sn	-0.97671	0.31865	-2.27207	187.56030	ug/L	09/19/10	02:49	
61291-5L	Sr	24.12327	24.37625	23.87029	1.48307	ug/L	09/19/10	02:49	
61291-5L	Ti	16.33426	16.76664	15.90188	3.74354	ug/L	09/19/10	02:49	
61291-5L	Tl	3.29545	1.72497	4.86592	67.39553	ug/L	09/19/10	02:49	
61291-5L	V	3.78895	3.00382	4.57408	29.30462	ug/L	09/19/10	02:49	
61291-5L	Zn	1.26976	1.49516	1.04436	25.10400	ug/L	09/19/10	02:49	
61291-5L	2203/1	3.18711	2.38920	3.98503	35.40579	ug/L	09/19/10	02:49	
61291-5L	2203/2	2.02263	3.90658	0.13867	131.72529	ug/L	09/19/10	02:49	
61291-5L	1960/1	-1.36470	-3.61308	0.88367	232.99505	ug/L	09/19/10	02:49	
61291-5L	1960/2	3.58673	3.11126	4.06219	18.74708	ug/L	09/19/10	02:49	
61291-5L	Y	960.04681	961.69677	958.39685	0.24305		09/19/10	02:49	
61291-5A	Ag	49.28460	48.58671	49.98249	2.00257	ug/L	09/19/10	02:54	
61291-5A	Al	16428.01171	16390.86523	16465.15625	0.31976	ug/L	09/19/10	02:54	
61291-5A	2Al	16.42900	16.39143	16.46656	0.32335	mg/L	09/19/10	02:54	
61291-5A	As	2028.97192	2025.64440	2032.29956	0.23193	ug/L	09/19/10	02:54	
61291-5A	B	1046.26538	1045.10900	1047.42163	0.15629	ug/L	09/19/10	02:54	
61291-5A	Ba	2078.02099	2075.57910	2080.46264	0.16617	ug/L	09/19/10	02:54	
61291-5A	Be	51.16841	51.13133	51.20550	0.10249	ug/L	09/19/10	02:54	
61291-5A	Ca	5443.09472	5434.09277	5452.09667	0.23388	ug/L	09/19/10	02:54	
61291-5A	Cd	51.35750	51.41151	51.30348	0.14873	ug/L	09/19/10	02:54	
61291-5A	Co	510.58947	509.21087	511.96807	0.38184	ug/L	09/19/10	02:54	
61291-5A	Cr	226.73310	226.03440	227.43180	0.43580	ug/L	09/19/10	02:54	
61291-5A	Cu	259.63818	259.07806	260.19830	0.30508	ug/L	09/19/10	02:54	
61291-5A	Fe	4665.24023	4651.60644	4678.87353	0.41328	ug/L	09/19/10	02:54	
61291-5A	2Fe	4.66511	4.65147	4.67874	0.41328	mg/L	09/19/10	02:54	
61291-5A	K	5485.54785	5475.57617	5495.51953	0.25707	ug/L	09/19/10	02:54	
61291-5A	Mg	6712.55859	6703.00146	6722.11621	0.20135	ug/L	09/19/10	02:54	
61291-5A	2Mg	6.71008	6.70053	6.71963	0.20133	mg/L	09/19/10	02:54	
61291-5A	Mn	527.12426	525.98101	528.26745	0.30671	ug/L	09/19/10	02:54	
61291-5A	Mo	502.00042	501.35809	502.64279	0.18095	ug/L	09/19/10	02:54	
61291-5A	Na	12281.94531	12051.89355	12511.99707	2.64894	ug/L	09/19/10	02:54	
61291-5A	Ni	519.35278	518.50744	520.19805	0.23017	ug/L	09/19/10	02:54	
61291-5A	Pb	523.50012	521.63391	525.36633	0.50414	ug/L	09/19/10	02:54	
61291-5A	Se	2033.96972	2026.08886	2041.85070	0.54795	ug/L	09/19/10	02:54	
61291-5A	Sb	487.71313	483.40277	492.02352	1.24987	ug/L	09/19/10	02:54	
61291-5A	Sn	1036.56127	1032.93493	1040.18762	0.49475	ug/L	09/19/10	02:54	
61291-5A	Sr	646.96514	646.87359	647.05670	0.02001	ug/L	09/19/10	02:54	
61291-5A	Ti	1092.64086	1091.70178	1093.57995	0.12154	ug/L	09/19/10	02:54	
61291-5A	Tl	2108.62060	2105.99145	2111.24975	0.17633	ug/L	09/19/10	02:54	
61291-5A	V	515.94787	514.76641	517.12927	0.32382	ug/L	09/19/10	02:54	
61291-5A	Zn	522.21966	520.84893	523.59039	0.37120	ug/L	09/19/10	02:54	
61291-5A	2203/1	529.80438	528.12963	531.47912	0.44704	ug/L	09/19/10	02:54	
61291-5A	2203/2	520.35278	518.39093	522.31457	0.53318	ug/L	09/19/10	02:54	
61291-5A	1960/1	2012.22412	2002.81384	2021.63439	0.66136	ug/L	09/19/10	02:54	
61291-5A	1960/2	2044.82617	2037.70886	2051.94360	0.49224	ug/L	09/19/10	02:54	
61291-5A	Y	959.81549	959.97698	959.65399	0.02379		09/19/10	02:54	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	488.20944	491.93450	484.48437	1.07905	ug/L	09/19/10	02:59	
CCV	Al	4833.25732	4863.86865	4802.64599	0.89568	ug/L	09/19/10	02:59	
CCV	2Al	4.83338	4.86430	4.80246	0.90474	mg/L	09/19/10	02:59	
CCV	As	499.29534	503.50689	495.08380	1.19288	ug/L	09/19/10	02:59	
CCV	B	4925.30273	4939.74804	4910.85742	0.41477	ug/L	09/19/10	02:59	
CCV	Ba	4902.46777	4928.86865	4876.06640	0.76159	ug/L	09/19/10	02:59	
CCV	Be	494.00653	497.11346	490.89956	0.88943	ug/L	09/19/10	02:59	
CCV	Ca	4927.70214	4957.65136	4897.75244	0.85952	ug/L	09/19/10	02:59	
CCV	Cd	498.85736	503.26406	494.45068	1.24925	ug/L	09/19/10	02:59	
CCV	Co	490.66632	494.72427	486.60839	1.16959	ug/L	09/19/10	02:59	
CCV	Cr	4968.36132	5001.26123	4935.46093	0.93648	ug/L	09/19/10	02:59	
CCV	Cu	4872.13574	4901.90283	4842.36816	0.86404	ug/L	09/19/10	02:59	
CCV	Fe	4915.25390	4940.18554	4890.32226	0.71733	ug/L	09/19/10	02:59	
CCV	2Fe	4.91551	4.94044	4.89057	0.71734	mg/L	09/19/10	02:59	
CCV	K	9790.57519	9833.68750	9747.46289	0.62274	ug/L	09/19/10	02:59	
CCV	Mg	4997.73535	5026.60009	4968.87109	0.81678	ug/L	09/19/10	02:59	
CCV	2Mg	4.99773	5.02659	4.96886	0.81681	mg/L	09/19/10	02:59	
CCV	Mn	4958.70068	4989.14892	4928.25244	0.86837	ug/L	09/19/10	02:59	
CCV	Mo	502.96008	505.62188	500.29830	0.74843	ug/L	09/19/10	02:59	
CCV	Na	7409.61816	7233.18896	7586.04736	3.36736	ug/L	09/19/10	02:59	
CCV	Ni	2489.09521	2505.84643	2472.34375	0.95175	ug/L	09/19/10	02:59	
CCV	Pb	505.50921	510.53335	500.48507	1.40555	ug/L	09/19/10	02:59	
CCV	Se	5014.12304	5051.03417	4977.21142	1.04107	ug/L	09/19/10	02:59	
CCV	Sb	493.84609	496.35427	491.33792	0.71826	ug/L	09/19/10	02:59	
CCV	Sn	5019.16015	5057.54882	4980.77099	1.08165	ug/L	09/19/10	02:59	
CCV	Sr	2486.85546	2499.46630	2474.24487	0.71714	ug/L	09/19/10	02:59	
CCV	Ti	490.94122	493.92663	487.95581	0.85998	ug/L	09/19/10	02:59	
CCV	Tl	5061.95800	5098.85693	5025.05859	1.03089	ug/L	09/19/10	02:59	
CCV	V	4918.81542	4948.32666	4889.30371	0.84848	ug/L	09/19/10	02:59	
CCV	Zn	2502.98681	2520.92700	2485.04687	1.01363	ug/L	09/19/10	02:59	
CCV	2203/1	504.89392	509.03753	500.75033	1.16062	ug/L	09/19/10	02:59	
CCV	2203/2	505.81213	511.27581	500.34844	1.52760	ug/L	09/19/10	02:59	
CCV	1960/1	4968.45312	4997.79736	4939.10888	0.83525	ug/L	09/19/10	02:59	
CCV	1960/2	5036.92382	5077.61279	4996.23437	1.14242	ug/L	09/19/10	02:59	
CCV	Y	961.77972	955.41119	968.14825	0.93643		09/19/10	02:59	
CCB	Ag	0.69990	0.67382	0.72598	5.26924	ug/L	09/19/10	03:05	
CCB	Al	11.25993	9.52519	12.99468	21.78787	ug/L	09/19/10	03:05	
CCB	2Al	0.01126	0.00952	0.01299	21.78780	mg/L	09/19/10	03:05	
CCB	As	0.14052	0.65304	-0.37199	515.80322	ug/L	09/19/10	03:05	
CCB	B	37.51569	40.47828	34.55310	11.16794	ug/L	09/19/10	03:05	
CCB	Ba	0.83112	0.22980	1.43244	102.31879	ug/L	09/19/10	03:05	
CCB	Be	0.08518	0.03205	0.13831	88.20275	ug/L	09/19/10	03:05	
CCB	Ca	1.58201	1.51421	1.64981	6.06102	ug/L	09/19/10	03:05	
CCB	Cd	-0.04923	-0.03007	-0.06839	55.03993	ug/L	09/19/10	03:05	
CCB	Co	-0.65390	-0.83769	-0.47010	39.74968	ug/L	09/19/10	03:05	
CCB	Cr	0.09913	-0.62531	0.82359	1033.44738	ug/L	09/19/10	03:05	
CCB	Cu	0.05198	-0.49891	0.60288	1498.66650	ug/L	09/19/10	03:05	
CCB	Fe	2.92864	-0.87190	6.72920	183.52482	ug/L	09/19/10	03:05	
CCB	2Fe	0.00292	-0.00087	0.00672	183.53610	mg/L	09/19/10	03:05	
CCB	K	2.78118	-5.22439	10.78675	407.07852	ug/L	09/19/10	03:05	
CCB	Mg	1.33534	1.32992	1.34077	0.57455	ug/L	09/19/10	03:05	
CCB	2Mg	0.00133	0.00132	0.00133	0.53440	mg/L	09/19/10	03:05	
CCB	Mn	0.90352	0.27299	1.53405	98.69123	ug/L	09/19/10	03:05	
CCB	Mo	-0.40952	-0.29639	-0.52265	39.06804	ug/L	09/19/10	03:05	
CCB	Na	-119.20292	-71.88759	-166.51824	56.13451	ug/L	09/19/10	03:05	
CCB	Ni	0.88924	-0.06303	1.84152	151.44580	ug/L	09/19/10	03:05	
CCB	Pb	-0.14628	-0.74732	0.45476	581.07403	ug/L	09/19/10	03:05	
CCB	Se	5.01473	6.04457	3.98488	29.04282	ug/L	09/19/10	03:05	
CCB	Sb	-0.40941	-3.11802	2.29920	935.62005	ug/L	09/19/10	03:05	
CCB	Sn	-0.48664	-1.36764	0.39434	256.02011	ug/L	09/19/10	03:05	
CCB	Sr	0.41190	0.13540	0.68840	94.93096	ug/L	09/19/10	03:05	
CCB	Ti	0.17977	0.42277	-0.06323	191.16339	ug/L	09/19/10	03:05	
CCB	Tl	8.17105	7.99351	8.34860	3.07279	ug/L	09/19/10	03:05	
CCB	V	1.14584	0.61741	1.67426	65.21889	ug/L	09/19/10	03:05	
CCB	Zn	0.24329	0.12670	0.35989	67.77256	ug/L	09/19/10	03:05	
CCB	2203/1	2.92539	2.11639	3.73438	39.10908	ug/L	09/19/10	03:05	
CCB	2203/2	-1.67981	-2.17703	-1.18259	41.86044	ug/L	09/19/10	03:05	
CCB	1960/1	6.62053	9.60320	3.63786	63.71282	ug/L	09/19/10	03:05	
CCB	1960/2	4.21303	4.26793	4.15814	1.84271	ug/L	09/19/10	03:05	
CCB	Y	953.02795	954.51202	951.54382	0.22022		09/19/10	03:05	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61291-5S	Ag	47.91416	47.96995	47.85836	0.16467	ug/L	09/19/10	03:10	
61291-5S	Al	29910.50781	30001.76757	29819.25000	0.43148	ug/L	09/19/10	03:10	
61291-5S	2Al	29.91159	30.00120	29.82197	0.42369	mg/L	09/19/10	03:10	
61291-5S	As	1958.05761	1965.33911	1950.77612	0.52590	ug/L	09/19/10	03:10	
61291-5S	B	1049.17895	1054.30505	1044.05285	0.69095	ug/L	09/19/10	03:10	
61291-5S	Ba	2016.93017	2025.88659	2007.97387	0.62799	ug/L	09/19/10	03:10	
61291-5S	Be	49.74481	49.99861	49.49102	0.72151	ug/L	09/19/10	03:10	
61291-5S	Ca	5361.53417	5384.95605	5338.11230	0.61779	ug/L	09/19/10	03:10	
61291-5S	Cd	49.80368	50.38851	49.21884	1.66068	ug/L	09/19/10	03:10	
61291-5S	Co	495.59005	497.99740	493.18270	0.68695	ug/L	09/19/10	03:10	
61291-5S	Cr	228.70819	229.55998	227.85639	0.52670	ug/L	09/19/10	03:10	
61291-5S	Cu	253.23806	254.69697	251.77914	0.81473	ug/L	09/19/10	03:10	
61291-5S	Fe	5970.49804	6004.63427	5936.36132	0.80858	ug/L	09/19/10	03:10	
61291-5S	2Fe	5.97026	6.00440	5.93613	0.80856	mg/L	09/19/10	03:10	
61291-5S	K	5495.72363	5506.64550	5484.80175	0.28105	ug/L	09/19/10	03:10	
61291-5S	Mg	6793.62255	6828.54638	6758.69873	0.72700	ug/L	09/19/10	03:10	
61291-5S	2Mg	6.79088	6.82579	6.75598	0.72698	mg/L	09/19/10	03:10	
61291-5S	Mn	512.29846	514.33593	510.26092	0.56245	ug/L	09/19/10	03:10	
61291-5S	Mo	500.94262	501.83261	500.05261	0.25125	ug/L	09/19/10	03:10	
61291-5S	Na	11841.33105	11883.13964	11799.52246	0.49932	ug/L	09/19/10	03:10	
61291-5S	Ni	502.20190	503.07705	501.32678	0.24644	ug/L	09/19/10	03:10	
61291-5S	Pb	506.28875	507.92919	504.64828	0.45822	ug/L	09/19/10	03:10	
61291-5S	Se	1961.82836	1969.99060	1953.66625	0.58838	ug/L	09/19/10	03:10	
61291-5S	Sb	457.86853	459.21078	456.52624	0.41458	ug/L	09/19/10	03:10	
61291-5S	Sn	1010.39636	1014.87695	1005.91571	0.62713	ug/L	09/19/10	03:10	
61291-5S	Sr	656.05786	658.48291	653.63275	0.52275	ug/L	09/19/10	03:10	
61291-5S	Ti	724.96331	728.52148	721.40515	0.69410	ug/L	09/19/10	03:10	
61291-5S	Tl	2046.80114	2054.74096	2038.86132	0.54859	ug/L	09/19/10	03:10	
61291-5S	V	506.54541	508.26821	504.82263	0.48098	ug/L	09/19/10	03:10	
61291-5S	Zn	504.97558	507.13897	502.81216	0.60587	ug/L	09/19/10	03:10	
61291-5S	2203/1	510.67248	511.55062	509.79434	0.24318	ug/L	09/19/10	03:10	
61291-5S	2203/2	504.10015	506.12118	502.07910	0.56698	ug/L	09/19/10	03:10	
61291-5S	1960/1	1945.62756	1954.64135	1936.61376	0.65518	ug/L	09/19/10	03:10	
61291-5S	1960/2	1969.91674	1977.65380	1962.17980	0.55544	ug/L	09/19/10	03:10	
61291-5S	Y	965.05786	960.49206	969.62365	0.66908		09/19/10	03:10	
61291-5SD	Ag	46.84503	46.31888	47.37119	1.58842	ug/L	09/19/10	03:15	
61291-5SD	Al	29699.74218	29605.55859	29793.92773	0.44847	ug/L	09/19/10	03:15	
61291-5SD	2Al	29.70040	29.60723	29.79357	0.44362	mg/L	09/19/10	03:15	
61291-5SD	As	1898.90527	1894.79809	1903.01245	0.30588	ug/L	09/19/10	03:15	
61291-5SD	B	1022.36071	1019.03289	1025.68847	0.46032	ug/L	09/19/10	03:15	
61291-5SD	Ba	1957.97570	1952.90991	1963.04150	0.36589	ug/L	09/19/10	03:15	
61291-5SD	Be	48.28165	48.17542	48.38788	0.31115	ug/L	09/19/10	03:15	
61291-5SD	Ca	5156.66894	5138.26513	5175.07226	0.50471	ug/L	09/19/10	03:15	
61291-5SD	Cd	48.01918	47.82785	48.21050	0.56347	ug/L	09/19/10	03:15	
61291-5SD	Co	480.36297	479.31698	481.40899	0.30794	ug/L	09/19/10	03:15	
61291-5SD	Cr	221.40386	220.60795	222.19979	0.50839	ug/L	09/19/10	03:15	
61291-5SD	Cu	245.26675	243.90824	246.62527	0.78332	ug/L	09/19/10	03:15	
61291-5SD	Fe	5848.13134	5823.81982	5872.44287	0.58790	ug/L	09/19/10	03:15	
61291-5SD	2Fe	5.84790	5.82359	5.87221	0.58789	mg/L	09/19/10	03:15	
61291-5SD	K	5295.69140	5281.59179	5309.79150	0.37653	ug/L	09/19/10	03:15	
61291-5SD	Mg	6618.98583	6604.59277	6633.37890	0.30752	ug/L	09/19/10	03:15	
61291-5SD	2Mg	6.61631	6.60193	6.63070	0.30747	mg/L	09/19/10	03:15	
61291-5SD	Mn	496.79296	495.39508	498.19085	0.39793	ug/L	09/19/10	03:15	
61291-5SD	Mo	489.44281	485.84274	493.04290	1.04022	ug/L	09/19/10	03:15	
61291-5SD	Na	11319.40234	11349.84570	11288.95800	0.38035	ug/L	09/19/10	03:15	
61291-5SD	Ni	489.23822	488.40124	490.07516	0.24193	ug/L	09/19/10	03:15	
61291-5SD	Pb	493.85583	492.24008	495.47155	0.46268	ug/L	09/19/10	03:15	
61291-5SD	Se	1915.70227	1912.17199	1919.23254	0.26061	ug/L	09/19/10	03:15	
61291-5SD	Sb	448.51953	449.42672	447.61230	0.28605	ug/L	09/19/10	03:15	
61291-5SD	Sn	984.39514	980.17687	988.61334	0.60600	ug/L	09/19/10	03:15	
61291-5SD	Sr	640.45043	638.77569	642.12512	0.36980	ug/L	09/19/10	03:15	
61291-5SD	Ti	708.74792	706.48052	711.01525	0.45242	ug/L	09/19/10	03:15	
61291-5SD	Tl	1997.89599	1990.03662	2005.75524	0.55632	ug/L	09/19/10	03:15	
61291-5SD	V	493.11383	492.24789	493.97973	0.24833	ug/L	09/19/10	03:15	
61291-5SD	Zn	488.63940	487.28125	489.99752	0.39307	ug/L	09/19/10	03:15	
61291-5SD	2203/1	497.72332	495.16558	500.28106	0.72674	ug/L	09/19/10	03:15	
61291-5SD	2203/2	491.92498	490.77954	493.07040	0.32929	ug/L	09/19/10	03:15	
61291-5SD	1960/1	1882.88208	1878.69274	1887.07141	0.31465	ug/L	09/19/10	03:15	
61291-5SD	1960/2	1932.08789	1928.88659	1935.28906	0.23431	ug/L	09/19/10	03:15	
61291-5SD	Y	968.91650	970.20855	967.62445	0.18858		09/19/10	03:15	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61291-6	Ag	-0.34039	-0.46383	-0.21695	51.28533	ug/L	09/19/10	03:20	
61291-6	Al	35290.54687	35303.21093	35277.87890	0.05075	ug/L	09/19/10	03:20	
61291-6	2Al	35.29164	35.30337	35.27990	0.04702	mg/L	09/19/10	03:20	
61291-6	As	13.87258	11.96536	15.77980	19.44280	ug/L	09/19/10	03:20	
61291-6	B	55.80784	56.96576	54.64993	2.93424	ug/L	09/19/10	03:20	
61291-6	Ba	100.65567	100.49860	100.81273	0.22067	ug/L	09/19/10	03:20	
61291-6	Be	0.38094	0.37709	0.38479	1.42899	ug/L	09/19/10	03:20	
61291-6	Ca	3694.51684	3696.72680	3692.30688	0.08459	ug/L	09/19/10	03:20	
61291-6	Cd	-0.84574	-0.77281	-0.91868	12.19568	ug/L	09/19/10	03:20	
61291-6	Co	0.79227	1.76108	-0.17653	172.93334	ug/L	09/19/10	03:20	
61291-6	Cr	48.32174	48.88478	47.75870	1.64781	ug/L	09/19/10	03:20	
61291-6	Cu	9.65457	9.70223	9.60690	0.69823	ug/L	09/19/10	03:20	
61291-6	Fe	6301.61376	6305.68505	6297.54248	0.09136	ug/L	09/19/10	03:20	
61291-6	2Fe	6.30115	6.30522	6.29708	0.09137	mg/L	09/19/10	03:20	
61291-6	K	813.24237	816.94934	809.53540	0.64463	ug/L	09/19/10	03:20	
61291-6	Mg	2444.15405	2446.65942	2441.64868	0.14496	ug/L	09/19/10	03:20	
61291-6	2Mg	2.44236	2.44486	2.43985	0.14498	mg/L	09/19/10	03:20	
61291-6	Mn	14.84577	14.87554	14.81599	0.28361	ug/L	09/19/10	03:20	
61291-6	Mo	3.12697	3.65233	2.60161	23.76005	ug/L	09/19/10	03:20	
61291-6	Na	6057.05859	6004.45556	6109.66113	1.22817	ug/L	09/19/10	03:20	
61291-6	Ni	11.34958	10.95038	11.74877	4.97418	ug/L	09/19/10	03:20	
61291-6	Pb	38.31790	38.40421	38.23158	0.31855	ug/L	09/19/10	03:20	
61291-6	Se	3.54845	5.83970	1.25720	91.31636	ug/L	09/19/10	03:20	
61291-6	Sb	1.49181	-1.48222	4.46585	281.93353	ug/L	09/19/10	03:20	
61291-6	Sn	-0.58181	0.13408	-1.29771	174.01409	ug/L	09/19/10	03:20	
61291-6	Sr	405.35809	405.48022	405.23599	0.04260	ug/L	09/19/10	03:20	
61291-6	Ti	157.71890	158.01423	157.42358	0.26480	ug/L	09/19/10	03:20	
61291-6	Tl	1.66074	1.53866	1.78282	10.39568	ug/L	09/19/10	03:20	
61291-6	V	43.03044	42.50394	43.55693	1.73034	ug/L	09/19/10	03:20	
61291-6	Zn	9.44854	9.72105	9.17603	4.07879	ug/L	09/19/10	03:20	
61291-6	2203/1	45.70816	47.21360	44.20271	4.65785	ug/L	09/19/10	03:20	
61291-6	2203/2	34.62830	34.00611	35.25049	2.54100	ug/L	09/19/10	03:20	
61291-6	1960/1	3.21168	2.81023	3.61313	17.67712	ug/L	09/19/10	03:20	
61291-6	1960/2	3.71658	7.35216	0.08100	138.33908	ug/L	09/19/10	03:20	
61291-6	Y	960.23010	958.69366	961.76660	0.22628		09/19/10	03:20	
61291-7	Ag	-0.04411	-0.11863	0.03041	238.94654	ug/L	09/19/10	03:25	
61291-7	Al	8631.61328	8637.33789	8625.88769	0.09380	ug/L	09/19/10	03:25	
61291-7	2Al	8.63194	8.63777	8.62611	0.09550	mg/L	09/19/10	03:25	
61291-7	As	8.08153	7.35128	8.81177	12.77876	ug/L	09/19/10	03:25	
61291-7	B	40.30518	40.74238	39.86799	1.53401	ug/L	09/19/10	03:25	
61291-7	Ba	23.97842	24.02645	23.93039	0.28329	ug/L	09/19/10	03:25	
61291-7	Be	0.17074	0.14558	0.19590	20.84097	ug/L	09/19/10	03:25	
61291-7	Ca	6477.36718	6481.00439	6473.72998	0.07941	ug/L	09/19/10	03:25	
61291-7	Cd	-0.42856	-0.33503	-0.52209	30.86265	ug/L	09/19/10	03:25	
61291-7	Co	0.22112	-0.17616	0.61842	254.08912	ug/L	09/19/10	03:25	
61291-7	Cr	12.73239	12.88543	12.57936	1.69982	ug/L	09/19/10	03:25	
61291-7	Cu	1.17582	1.06195	1.28969	13.69515	ug/L	09/19/10	03:25	
61291-7	Fe	2886.92187	2887.23803	2886.60546	0.01549	ug/L	09/19/10	03:25	
61291-7	2Fe	2.88670	2.88702	2.88639	0.01548	mg/L	09/19/10	03:25	
61291-7	K	229.80786	226.40652	233.20918	2.09314	ug/L	09/19/10	03:25	
61291-7	Mg	2120.04394	2120.87622	2119.21191	0.05551	ug/L	09/19/10	03:25	
61291-7	2Mg	2.11894	2.11977	2.11811	0.05552	mg/L	09/19/10	03:25	
61291-7	Mn	12.86845	12.88862	12.84829	0.22158	ug/L	09/19/10	03:25	
61291-7	Mo	0.75308	-0.44736	1.95353	225.43211	ug/L	09/19/10	03:25	
61291-7	Na	1706.51269	1792.82922	1620.19616	7.15318	ug/L	09/19/10	03:25	
61291-7	Ni	8.08946	7.58773	8.59120	8.77138	ug/L	09/19/10	03:25	
61291-7	Pb	7.14881	7.21557	7.08204	1.32081	ug/L	09/19/10	03:25	
61291-7	Se	0.01148	-0.97429	0.99726	12138.19531	ug/L	09/19/10	03:25	
61291-7	Sb	-2.95090	-4.45936	-1.44244	72.29257	ug/L	09/19/10	03:25	
61291-7	Sn	-2.87858	-2.72969	-3.02747	7.31493	ug/L	09/19/10	03:25	
61291-7	Sr	140.14303	140.48545	139.80062	0.34553	ug/L	09/19/10	03:25	
61291-7	Ti	50.94219	50.59720	51.28718	0.95773	ug/L	09/19/10	03:25	
61291-7	Tl	0.78678	2.83924	-1.26568	368.92324	ug/L	09/19/10	03:25	
61291-7	V	11.13722	10.97759	11.29686	2.02703	ug/L	09/19/10	03:25	
61291-7	Zn	6.32327	6.17805	6.46850	3.24800	ug/L	09/19/10	03:25	
61291-7	2203/1	9.08799	7.46128	10.71469	25.31368	ug/L	09/19/10	03:25	
61291-7	2203/2	6.18067	7.09290	5.26844	20.87298	ug/L	09/19/10	03:25	
61291-7	1960/1	-4.99001	-8.70297	-1.27705	105.22858	ug/L	09/19/10	03:25	
61291-7	1960/2	2.50848	2.88425	2.13271	21.18497	ug/L	09/19/10	03:25	
61291-7	Y	951.75329	952.01519	951.49139	0.03891		09/19/10	03:25	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61291-8	Ag	0.29951	0.66828	-0.06926	174.12507	ug/L	09/19/10	03:31	
61291-8	Al	4606.13671	4604.29248	4607.98095	0.05662	ug/L	09/19/10	03:31	
61291-8	2Al	4.60659	4.60474	4.60843	0.05662	mg/L	09/19/10	03:31	
61291-8	As	3.67257	4.18668	3.15847	19.79671	ug/L	09/19/10	03:31	
61291-8	B	116.93206	118.61122	115.25291	2.03082	ug/L	09/19/10	03:31	
61291-8	Ba	14.07521	13.99334	14.15709	0.82262	ug/L	09/19/10	03:31	
61291-8	Be	0.08827	0.10000	0.07654	18.78904	ug/L	09/19/10	03:31	
61291-8	Ca	404.98818	404.64611	405.33026	0.11945	ug/L	09/19/10	03:31	
61291-8	Cd	-0.23623	-0.30280	-0.16966	39.85057	ug/L	09/19/10	03:31	
61291-8	Co	0.10761	0.27658	-0.06136	222.06752	ug/L	09/19/10	03:31	
61291-8	Cr	7.55706	7.44426	7.66987	2.11102	ug/L	09/19/10	03:31	
61291-8	Cu	1.21574	0.53366	1.89782	79.34300	ug/L	09/19/10	03:31	
61291-8	Fe	1865.79174	1851.85546	1879.72814	1.05633	ug/L	09/19/10	03:31	
61291-8	2Fe	1.86565	1.85171	1.87958	1.05632	mg/L	09/19/10	03:31	
61291-8	K	211.46939	197.51911	225.41967	9.32932	ug/L	09/19/10	03:31	
61291-8	Mg	1076.98754	1072.05957	1081.91552	0.64710	ug/L	09/19/10	03:31	
61291-8	2Mg	1.07635	1.07143	1.08128	0.64697	mg/L	09/19/10	03:31	
61291-8	Mn	9.41200	9.46393	9.36007	0.78020	ug/L	09/19/10	03:31	
61291-8	Mo	-0.59309	-0.14522	-1.04095	106.79221	ug/L	09/19/10	03:31	
61291-8	Na	3084.77270	3023.50976	3146.03564	2.80859	ug/L	09/19/10	03:31	
61291-8	Ni	9.84708	9.07350	10.62067	11.10997	ug/L	09/19/10	03:31	
61291-8	Pb	5.78200	5.67868	5.88532	2.52712	ug/L	09/19/10	03:31	
61291-8	Se	0.29160	1.41990	-0.83670	547.20819	ug/L	09/19/10	03:31	
61291-8	Sb	-1.64894	-2.75262	-0.54526	94.65674	ug/L	09/19/10	03:31	
61291-8	Sn	-2.58005	-0.66117	-4.49893	105.18022	ug/L	09/19/10	03:31	
61291-8	Sr	31.90938	31.91921	31.89954	0.04360	ug/L	09/19/10	03:31	
61291-8	Ti	44.76677	45.23805	44.29549	1.48880	ug/L	09/19/10	03:31	
61291-8	Tl	2.63664	-0.39624	5.66953	162.67448	ug/L	09/19/10	03:31	
61291-8	V	5.64746	5.27091	6.02400	9.42921	ug/L	09/19/10	03:31	
61291-8	Zn	12.27713	12.36626	12.18799	1.02673	ug/L	09/19/10	03:31	
61291-8	2203/1	5.13307	5.22086	5.04528	2.41870	ug/L	09/19/10	03:31	
61291-8	2203/2	6.10598	5.90725	6.30472	4.60289	ug/L	09/19/10	03:31	
61291-8	1960/1	-1.35517	0.89955	-3.60990	235.29521	ug/L	09/19/10	03:31	
61291-8	1960/2	1.11375	1.67969	0.54781	71.86106	ug/L	09/19/10	03:31	
61291-8	Y	959.33532	961.22534	957.44525	0.27862		09/19/10	03:31	
61291-9	Ag	0.15297	-0.36553	0.67149	479.33901	ug/L	09/19/10	03:36	
61291-9	Al	4084.05102	4088.73608	4079.36596	0.16223	ug/L	09/19/10	03:36	
61291-9	2Al	4.08434	4.08913	4.07956	0.16582	mg/L	09/19/10	03:36	
61291-9	As	-0.87591	-0.17496	-1.57686	113.17206	ug/L	09/19/10	03:36	
61291-9	B	40.97009	40.12098	41.81919	2.93096	ug/L	09/19/10	03:36	
61291-9	Ba	13.44538	13.34295	13.54781	1.07739	ug/L	09/19/10	03:36	
61291-9	Be	0.09435	0.09079	0.09790	5.33351	ug/L	09/19/10	03:36	
61291-9	Ca	274.16033	274.68588	273.63476	0.27110	ug/L	09/19/10	03:36	
61291-9	Cd	-0.20088	-0.31857	-0.08319	82.85356	ug/L	09/19/10	03:36	
61291-9	Co	0.14393	-0.60382	0.89169	734.71313	ug/L	09/19/10	03:36	
61291-9	Cr	6.91118	6.81350	7.00887	1.99883	ug/L	09/19/10	03:36	
61291-9	Cu	0.79242	0.23879	1.34606	98.80501	ug/L	09/19/10	03:36	
61291-9	Fe	1867.43762	1867.94580	1866.92944	0.03848	ug/L	09/19/10	03:36	
61291-9	2Fe	1.86730	1.86780	1.86679	0.03846	mg/L	09/19/10	03:36	
61291-9	K	154.02386	149.27876	158.76895	4.35684	ug/L	09/19/10	03:36	
61291-9	Mg	1086.18835	1084.73229	1087.64440	0.18957	ug/L	09/19/10	03:36	
61291-9	2Mg	1.08555	1.08410	1.08701	0.18964	mg/L	09/19/10	03:36	
61291-9	Mn	6.21883	6.20674	6.23093	0.27505	ug/L	09/19/10	03:36	
61291-9	Mo	-1.82408	-1.86128	-1.78688	2.88422	ug/L	09/19/10	03:36	
61291-9	Na	2703.00927	2860.59863	2545.41992	8.24506	ug/L	09/19/10	03:36	
61291-9	Ni	9.19703	9.68308	8.71097	7.47403	ug/L	09/19/10	03:36	
61291-9	Pb	3.72458	2.73479	4.71438	37.58226	ug/L	09/19/10	03:36	
61291-9	Se	2.30664	1.05393	3.55935	76.80413	ug/L	09/19/10	03:36	
61291-9	Sb	0.77333	-0.33861	1.88529	203.34519	ug/L	09/19/10	03:36	
61291-9	Sn	-3.89045	-4.21160	-3.56930	11.67422	ug/L	09/19/10	03:36	
61291-9	Sr	29.34438	29.36389	29.32487	0.09402	ug/L	09/19/10	03:36	
61291-9	Ti	38.98638	39.66499	38.30776	2.46164	ug/L	09/19/10	03:36	
61291-9	Tl	-2.65125	-8.08449	2.78198	289.81637	ug/L	09/19/10	03:36	
61291-9	V	6.10857	6.08105	6.13609	0.63709	ug/L	09/19/10	03:36	
61291-9	Zn	5.07683	5.21924	4.93442	3.96693	ug/L	09/19/10	03:36	
61291-9	2203/1	4.40937	2.47825	6.34048	61.93655	ug/L	09/19/10	03:36	
61291-9	2203/2	3.38271	2.86286	3.90255	21.73313	ug/L	09/19/10	03:36	
61291-9	1960/1	-3.61087	-7.95956	0.73780	170.31776	ug/L	09/19/10	03:36	
61291-9	1960/2	5.26097	5.55392	4.96801	7.87504	ug/L	09/19/10	03:36	
61291-9	Y	957.37542	957.41906	957.33178	0.00644		09/19/10	03:36	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61291-10	Ag	0.55219	0.32985	0.77454	56.94374	ug/L	09/19/10	03:41	
61291-10	Al	9415.79882	9446.85546	9384.74218	0.46645	ug/L	09/19/10	03:41	
61291-10	2Al	9.41620	9.44715	9.38524	0.46490	mg/L	09/19/10	03:41	
61291-10	As	2.37536	1.43611	3.31461	55.91977	ug/L	09/19/10	03:41	
61291-10	B	124.55276	124.55077	124.55476	0.00226	ug/L	09/19/10	03:41	
61291-10	Ba	23.40293	23.38427	23.42159	0.11276	ug/L	09/19/10	03:41	
61291-10	Be	0.14861	0.12259	0.17462	24.75244	ug/L	09/19/10	03:41	
61291-10	Ca	335.15844	335.41592	334.90100	0.10863	ug/L	09/19/10	03:41	
61291-10	Cd	-0.36358	-0.51397	-0.21319	58.49500	ug/L	09/19/10	03:41	
61291-10	Co	0.89145	0.58225	1.20065	49.05150	ug/L	09/19/10	03:41	
61291-10	Cr	12.96226	13.04920	12.87533	0.94848	ug/L	09/19/10	03:41	
61291-10	Cu	4.62111	4.51911	4.72310	3.12140	ug/L	09/19/10	03:41	
61291-10	Fe	2950.88378	2953.90869	2947.85864	0.14497	ug/L	09/19/10	03:41	
61291-10	2Fe	2.95066	2.95369	2.94764	0.14496	mg/L	09/19/10	03:41	
61291-10	K	233.44381	219.21449	247.67312	8.62018	ug/L	09/19/10	03:41	
61291-10	Mg	1469.34094	1472.46093	1466.22094	0.30029	ug/L	09/19/10	03:41	
61291-10	2Mg	1.46841	1.47152	1.46529	0.30034	mg/L	09/19/10	03:41	
61291-10	Mn	6.85011	6.85887	6.84134	0.18097	ug/L	09/19/10	03:41	
61291-10	Mo	0.45708	2.33535	-1.42117	581.12646	ug/L	09/19/10	03:41	
61291-10	Na	2892.56445	2701.11791	3084.01123	9.36008	ug/L	09/19/10	03:41	
61291-10	Ni	9.78699	9.08489	10.48909	10.14531	ug/L	09/19/10	03:41	
61291-10	Pb	7.05226	7.41789	6.68663	7.33202	ug/L	09/19/10	03:41	
61291-10	Se	5.32424	4.88582	5.76266	11.64520	ug/L	09/19/10	03:41	
61291-10	Sb	1.24431	-3.30981	5.79843	517.59649	ug/L	09/19/10	03:41	
61291-10	Sn	-1.33912	-3.49594	0.81769	227.77629	ug/L	09/19/10	03:41	
61291-10	Sr	51.39582	51.48770	51.30393	0.25283	ug/L	09/19/10	03:41	
61291-10	Ti	71.36882	71.27638	71.46126	0.18317	ug/L	09/19/10	03:41	
61291-10	Tl	3.08131	4.60368	1.55893	69.87164	ug/L	09/19/10	03:41	
61291-10	V	9.94300	9.09875	10.78725	12.00792	ug/L	09/19/10	03:41	
61291-10	Zn	5.64013	5.45147	5.82878	4.73025	ug/L	09/19/10	03:41	
61291-10	2203/1	11.16155	11.43447	10.88863	3.45801	ug/L	09/19/10	03:41	
61291-10	2203/2	5.00070	5.41261	4.58879	11.64893	ug/L	09/19/10	03:41	
61291-10	1960/1	3.87500	2.33935	5.41064	56.04479	ug/L	09/19/10	03:41	
61291-10	1960/2	6.04778	6.15715	5.93841	2.55755	ug/L	09/19/10	03:41	
61291-10	Y	950.71881	948.69781	952.73980	0.30062		09/19/10	03:41	
CCV	Ag	484.10668	488.62850	479.58489	1.32094	ug/L	09/19/10	03:46	
CCV	Al	4792.90234	4823.64208	4762.16259	0.90701	ug/L	09/19/10	03:46	
CCV	2Al	4.79323	4.82386	4.76259	0.90394	mg/L	09/19/10	03:46	
CCV	As	495.43847	502.15518	488.72174	1.91726	ug/L	09/19/10	03:46	
CCV	B	4877.79394	4910.04296	4845.54541	0.93498	ug/L	09/19/10	03:46	
CCV	Ba	4864.37109	4899.21826	4829.52392	1.01310	ug/L	09/19/10	03:46	
CCV	Be	490.18798	493.81127	486.56469	1.04533	ug/L	09/19/10	03:46	
CCV	Ca	4885.26660	4919.05126	4851.48193	0.97801	ug/L	09/19/10	03:46	
CCV	Cd	495.11645	497.86602	492.36691	0.78536	ug/L	09/19/10	03:46	
CCV	Co	487.06396	490.02557	484.10232	0.85992	ug/L	09/19/10	03:46	
CCV	Cr	4927.25976	4963.30175	4891.21728	1.03447	ug/L	09/19/10	03:46	
CCV	Cu	4830.56152	4865.59912	4795.52392	1.02577	ug/L	09/19/10	03:46	
CCV	Fe	4863.32910	4899.03417	4827.62353	1.03827	ug/L	09/19/10	03:46	
CCV	2Fe	4.86358	4.89929	4.82787	1.03826	mg/L	09/19/10	03:46	
CCV	K	9746.79882	9811.23535	9682.36328	0.93493	ug/L	09/19/10	03:46	
CCV	Mg	4947.41308	4986.12207	4908.70410	1.10649	ug/L	09/19/10	03:46	
CCV	2Mg	4.94741	4.98612	4.90870	1.10647	mg/L	09/19/10	03:46	
CCV	Mn	4917.29785	4953.67187	4880.92333	1.04612	ug/L	09/19/10	03:46	
CCV	Mo	496.61193	500.64172	492.58215	1.14757	ug/L	09/19/10	03:46	
CCV	Na	7326.59179	7537.47607	7115.70703	4.07059	ug/L	09/19/10	03:46	
CCV	Ni	2469.16186	2485.62255	2452.70117	0.94278	ug/L	09/19/10	03:46	
CCV	Pb	500.00204	504.95272	495.05136	1.40025	ug/L	09/19/10	03:46	
CCV	Se	4965.15820	5017.71630	4912.60058	1.49699	ug/L	09/19/10	03:46	
CCV	Sb	486.55242	489.90786	483.19696	0.97529	ug/L	09/19/10	03:46	
CCV	Sn	4964.57958	5007.61523	4921.54394	1.22591	ug/L	09/19/10	03:46	
CCV	Sr	2474.00708	2496.10278	2451.91137	1.26305	ug/L	09/19/10	03:46	
CCV	Ti	485.75891	489.52185	481.99597	1.09552	ug/L	09/19/10	03:46	
CCV	Tl	5008.64208	5047.58203	4969.70214	1.09948	ug/L	09/19/10	03:46	
CCV	V	4868.87890	4903.27294	4834.48437	0.99901	ug/L	09/19/10	03:46	
CCV	Zn	2481.51220	2501.87646	2461.14794	1.16055	ug/L	09/19/10	03:46	
CCV	2203/1	499.41284	503.60543	495.22027	1.18723	ug/L	09/19/10	03:46	
CCV	2203/2	500.29196	505.62112	494.96279	1.50643	ug/L	09/19/10	03:46	
CCV	1960/1	4921.95166	4971.51855	4872.38476	1.42419	ug/L	09/19/10	03:46	
CCV	1960/2	4986.72949	5040.78076	4932.67822	1.53286	ug/L	09/19/10	03:46	
CCV	Y	958.43176	950.65332	966.21020	1.14774		09/19/10	03:46	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.00662	-0.11863	0.13188	2675.27563	ug/L	09/19/10	03:51	
CCB	Al	7.45783	6.04728	8.86838	26.74790	ug/L	09/19/10	03:51	
CCB	2Al	0.00745	0.00604	0.00886	26.74785	mg/L	09/19/10	03:51	
CCB	As	-3.22807	-2.22904	-4.22709	43.76701	ug/L	09/19/10	03:51	
CCB	B	37.83575	41.17503	34.49647	12.48145	ug/L	09/19/10	03:51	
CCB	Ba	0.85904	0.35637	1.36172	82.75329	ug/L	09/19/10	03:51	
CCB	Be	0.10181	0.04713	0.15650	75.95918	ug/L	09/19/10	03:51	
CCB	Ca	1.75824	0.40247	3.11401	109.04872	ug/L	09/19/10	03:51	
CCB	Cd	0.09356	-0.13245	0.31958	341.63226	ug/L	09/19/10	03:51	
CCB	Co	0.07700	-0.23028	0.38429	564.34887	ug/L	09/19/10	03:51	
CCB	Cr	0.87330	0.47844	1.26817	63.94380	ug/L	09/19/10	03:51	
CCB	Cu	0.79673	0.23850	1.35496	99.08615	ug/L	09/19/10	03:51	
CCB	Fe	6.22395	2.40963	10.03827	86.66937	ug/L	09/19/10	03:51	
CCB	2Fe	0.00622	0.00240	0.01003	86.66976	mg/L	09/19/10	03:51	
CCB	K	-6.26857	-11.67129	-0.86585	121.88734	ug/L	09/19/10	03:51	
CCB	Mg	-2.94508	1.33143	-7.22161	205.35627	ug/L	09/19/10	03:51	
CCB	2Mg	-0.00294	0.00133	-0.00722	205.33071	mg/L	09/19/10	03:51	
CCB	Mn	0.98494	0.39780	1.57209	84.30316	ug/L	09/19/10	03:51	
CCB	Mo	1.62909	0.91051	2.34767	62.37952	ug/L	09/19/10	03:51	
CCB	Na	-229.19235	-293.01638	-165.36833	39.38211	ug/L	09/19/10	03:51	
CCB	Ni	1.86218	1.95141	1.77296	6.77569	ug/L	09/19/10	03:51	
CCB	Pb	0.10345	-0.94893	1.15585	1438.57812	ug/L	09/19/10	03:51	
CCB	Se	4.28096	2.11407	6.44785	71.58300	ug/L	09/19/10	03:51	
CCB	Sb	-1.96393	-6.29783	2.36997	312.08175	ug/L	09/19/10	03:51	
CCB	Sn	2.14201	3.10984	1.17418	63.89867	ug/L	09/19/10	03:51	
CCB	Sr	0.49386	0.18720	0.80052	87.81434	ug/L	09/19/10	03:51	
CCB	Ti	0.37745	0.44423	0.31067	25.02091	ug/L	09/19/10	03:51	
CCB	Tl	8.33312	4.74284	11.92340	60.93058	ug/L	09/19/10	03:51	
CCB	V	1.53073	1.26567	1.79580	24.48863	ug/L	09/19/10	03:51	
CCB	Zn	0.45248	0.42317	0.48179	9.16057	ug/L	09/19/10	03:51	
CCB	2203/1	0.17721	-0.68638	1.04081	689.18145	ug/L	09/19/10	03:51	
CCB	2203/2	0.06663	-1.08001	1.21328	2433.58447	ug/L	09/19/10	03:51	
CCB	1960/1	-1.84431	-2.93861	-0.75000	83.91088	ug/L	09/19/10	03:51	
CCB	1960/2	7.33901	4.63663	10.04139	52.07430	ug/L	09/19/10	03:51	
CCB	Y	943.23284	942.91857	943.54711	0.04711		09/19/10	03:51	
61322-1 180221	Ag	3.52477	3.35621	3.69334	6.76317	ug/L	09/19/10	03:57	
61322-1 180221	Al	7648.35302	7653.64990	7643.05615	0.09794	ug/L	09/19/10	03:57	
61322-1 180221	2Al	7.64899	7.65418	7.64380	0.09594	mg/L	09/19/10	03:57	
61322-1 180221	As	73.52807	75.67739	71.37875	4.13393	ug/L	09/19/10	03:57	
61322-1 180221	B	202.76782	205.40461	200.13104	1.83903	ug/L	09/19/10	03:57	
61322-1 180221	Ba	2572.78393	2577.55786	2568.01000	0.26241	ug/L	09/19/10	03:57	
61322-1 180221	Be	0.26429	0.25955	0.26902	2.53347	ug/L	09/19/10	03:57	
61322-1 180221	Ca	900878.87500	901951.56250	899806.25000	0.16838	ug/L	09/19/10	03:57	
61322-1 180221	Cd	164.47741	164.72856	164.22628	0.21593	ug/L	09/19/10	03:57	
61322-1 180221	Co	128.61825	129.52769	127.70881	0.99996	ug/L	09/19/10	03:57	
61322-1 180221	Cr	16670.44531	16694.15820	16646.73437	0.20115	ug/L	09/19/10	03:57	
61322-1 180221	Cu	734.13360	735.51251	732.75469	0.26562	ug/L	09/19/10	03:57	
61322-1 180221	Fe	1523395.50000	1526448.25000	1520342.62500	0.28340	ug/L	09/19/10	03:57	
61322-1 180221	2Fe	1523.24194	1526.28710	1520.19665	0.28272	mg/L	09/19/10	03:57	
61322-1 180221	K	12644.06835	12654.98339	12633.15332	0.12208	ug/L	09/19/10	03:57	
61322-1 180221	Mg	28427.51562	28465.98046	28389.04882	0.19135	ug/L	09/19/10	03:57	
61322-1 180221	2Mg	28.15648	28.19441	28.11855	0.19049	mg/L	09/19/10	03:57	
61322-1 180221	Mn	10602.00781	10615.44628	10588.56933	0.17925	ug/L	09/19/10	03:57	
61322-1 180221	Mo	56.17902	53.71318	58.64486	6.20734	ug/L	09/19/10	03:57	
61322-1 180221	Na	75253.25000	75664.32812	74842.17187	0.77252	ug/L	09/19/10	03:57	
61322-1 180221	Ni	600.41003	602.16296	598.65710	0.41288	ug/L	09/19/10	03:57	
61322-1 180221	Pb	33909.94921	34097.13281	33722.76562	0.78064	ug/L	09/19/10	03:57	
61322-1 180221	Se	10.88115	13.40562	8.35668	32.81029	ug/L	09/19/10	03:57	
61322-1 180221	Sb	132.09881	133.77720	130.42041	1.79684	ug/L	09/19/10	03:57	
61322-1 180221	Sn	27.14418	29.04436	25.24401	9.89992	ug/L	09/19/10	03:57	
61322-1 180221	Sr	803.35882	804.61035	802.10729	0.22031	ug/L	09/19/10	03:57	
61322-1 180221	Ti	797.43261	799.13647	795.72882	0.30216	ug/L	09/19/10	03:57	
61322-1 180221	Tl	13.55058	12.31326	14.78789	12.91330	ug/L	09/19/10	03:57	
61322-1 180221	V	610.39904	612.23272	608.56542	0.42483	ug/L	09/19/10	03:57	
61322-1 180221	Zn	187092.81250	187657.85937	186527.78125	0.42710	ug/L	09/19/10	03:57	
61322-1 180221	2203/1	33723.17968	33885.40234	33560.96093	0.68028	ug/L	09/19/10	03:57	
61322-1 180221	2203/2	34003.19531	34202.83984	33803.54687	0.83034	ug/L	09/19/10	03:57	
61322-1 180221	1960/1	-7.21283	-8.30304	-6.12262	21.37566	ug/L	09/19/10	03:57	
61322-1 180221	1960/2	19.91458	24.24368	15.58548	30.74265	ug/L	09/19/10	03:57	
61322-1 180221	Y	927.64978	925.15301	930.14654	0.38063		09/19/10	03:57	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61322-2	Ag	5.54862	5.07501	6.02223	12.07116	ug/L	09/19/10	04:02	
61322-2	Al	10398.87890	10400.46777	10397.29003	0.02160	ug/L	09/19/10	04:02	
61322-2	2Al	10.39912	10.40104	10.39720	0.02611	mg/L	09/19/10	04:02	
61322-2	As	97.72585	95.71238	99.73931	2.91373	ug/L	09/19/10	04:02	
61322-2	B	225.97860	224.58988	227.36732	0.86908	ug/L	09/19/10	04:02	
61322-2	Ba	715.35668	715.13635	715.57696	0.04355	ug/L	09/19/10	04:02	
61322-2	Be	0.35272	0.34512	0.36033	3.04843	ug/L	09/19/10	04:02	
61322-2	Ca	566263.50000	565781.62500	566745.31250	0.12033	ug/L	09/19/10	04:02	
61322-2	Cd	309.63006	309.46292	309.79724	0.07634	ug/L	09/19/10	04:02	
61322-2	Co	114.93252	115.39123	114.47382	0.56442	ug/L	09/19/10	04:02	
61322-2	Cr	10786.40429	10775.95996	10796.84765	0.13693	ug/L	09/19/10	04:02	
61322-2	Cu	867.80932	867.69964	867.91894	0.01786	ug/L	09/19/10	04:02	
61322-2	Fe	2078742.75000	2078133.75000	2079351.62500	0.04142	ug/L	09/19/10	04:02	
61322-2	2Fe	2078.43652	2077.87426	2078.99902	0.03826	mg/L	09/19/10	04:02	
61322-2	K	15371.10644	15366.77929	15375.43359	0.03981	ug/L	09/19/10	04:02	
61322-2	Mg	21057.15429	21035.64843	21078.66015	0.14443	ug/L	09/19/10	04:02	
61322-2	2Mg	20.69166	20.67025	20.71306	0.14629	mg/L	09/19/10	04:02	
61322-2	Mn	12974.57714	12964.48632	12984.66796	0.10998	ug/L	09/19/10	04:02	
61322-2	Mo	72.03390	70.98661	73.08119	2.05611	ug/L	09/19/10	04:02	
61322-2	Na	213017.67187	211956.65625	214078.68750	0.70440	ug/L	09/19/10	04:02	
61322-2	Ni	463.03100	462.61395	463.44805	0.12737	ug/L	09/19/10	04:02	
61322-2	Pb	24972.33593	24969.38671	24975.28320	0.01669	ug/L	09/19/10	04:02	
61322-2	Se	16.29864	16.03101	16.56626	2.32214	ug/L	09/19/10	04:02	
61322-2	Sb	117.43892	116.12847	118.74937	1.57805	ug/L	09/19/10	04:02	
61322-2	Sn	42.86908	42.97040	42.76775	0.33426	ug/L	09/19/10	04:02	
61322-2	Sr	543.52429	543.94909	543.09948	0.11053	ug/L	09/19/10	04:02	
61322-2	Ti	1554.01635	1552.93334	1555.09924	0.09855	ug/L	09/19/10	04:02	
61322-2	Tl	10.25572	11.06413	9.44731	11.14756	ug/L	09/19/10	04:02	
61322-2	V	516.55908	515.48950	517.62872	0.29283	ug/L	09/19/10	04:02	
61322-2	Zn	438852.37500	438548.50000	439156.21875	0.09791	ug/L	09/19/10	04:02	
61322-2	2203/1	24931.48437	24962.71289	24900.25390	0.17714	ug/L	09/19/10	04:02	
61322-2	2203/2	24992.73046	24972.71875	25012.74218	0.11323	ug/L	09/19/10	04:02	
61322-2	1960/1	-0.10984	-3.11632	2.89662	3870.55859	ug/L	09/19/10	04:02	
61322-2	1960/2	24.49058	25.59033	23.39084	6.35050	ug/L	09/19/10	04:02	
61322-2	Y	900.94909	901.16296	900.73516	0.03357		09/19/10	04:02	
61322-3	Ag	2.36590	2.32345	2.40835	2.53738	ug/L	09/19/10	04:07	
61322-3	Al	25460.59375	25460.43164	25460.75781	0.00090	ug/L	09/19/10	04:07	
61322-3	2Al	25.46161	25.46293	25.46029	0.00734	mg/L	09/19/10	04:07	
61322-3	As	77.52256	78.79529	76.24982	2.32180	ug/L	09/19/10	04:07	
61322-3	B	141.88516	142.26435	141.50596	0.37795	ug/L	09/19/10	04:07	
61322-3	Ba	1442.36328	1443.10803	1441.61853	0.07302	ug/L	09/19/10	04:07	
61322-3	Be	0.29977	0.28779	0.31176	5.65312	ug/L	09/19/10	04:07	
61322-3	Ca	308021.43750	308028.84375	308014.06250	0.00339	ug/L	09/19/10	04:07	
61322-3	Cd	93.74191	93.42220	94.06163	0.48232	ug/L	09/19/10	04:07	
61322-3	Co	63.59749	63.34828	63.84670	0.55416	ug/L	09/19/10	04:07	
61322-3	Cr	21264.51953	21259.01562	21270.02148	0.03659	ug/L	09/19/10	04:07	
61322-3	Cu	301.94448	302.30651	301.58245	0.16956	ug/L	09/19/10	04:07	
61322-3	Fe	512199.12500	512237.78125	512160.43750	0.01067	ug/L	09/19/10	04:07	
61322-3	2Fe	512.13067	512.19860	512.06274	0.01875	mg/L	09/19/10	04:07	
61322-3	K	16404.79296	16394.11328	16415.47070	0.09205	ug/L	09/19/10	04:07	
61322-3	Mg	21903.26171	21889.03320	21917.48828	0.09186	ug/L	09/19/10	04:07	
61322-3	2Mg	21.80851	21.79427	21.82275	0.09232	mg/L	09/19/10	04:07	
61322-3	Mn	3264.77441	3264.71777	3264.83129	0.00245	ug/L	09/19/10	04:07	
61322-3	Mo	33.69541	33.42426	33.96656	1.13803	ug/L	09/19/10	04:07	
61322-3	Na	158325.81250	158327.15625	158324.48437	0.00119	ug/L	09/19/10	04:07	
61322-3	Ni	209.37496	209.24499	209.50494	0.08779	ug/L	09/19/10	04:07	
61322-3	Pb	43999.17968	44095.66796	43902.69531	0.31012	ug/L	09/19/10	04:07	
61322-3	Se	7.47452	6.65167	8.29737	15.56868	ug/L	09/19/10	04:07	
61322-3	Sb	38577.00781	38518.14453	38635.87109	0.21578	ug/L	09/19/10	04:07	
61322-3	Sn	94.80178	94.26439	95.33917	0.80165	ug/L	09/19/10	04:07	
61322-3	Sr	554.00799	554.07995	553.93603	0.01836	ug/L	09/19/10	04:07	
61322-3	Ti	7906.59082	7907.76855	7905.41259	0.02106	ug/L	09/19/10	04:07	
61322-3	Tl	-1.55644	2.30679	-5.41969	351.02047	ug/L	09/19/10	04:07	
61322-3	V	254.58891	254.58776	254.59005	0.00063	ug/L	09/19/10	04:07	
61322-3	Zn	305565.62500	305654.03125	305477.18750	0.04092	ug/L	09/19/10	04:07	
61322-3	2203/1	43853.21093	43899.11328	43807.31250	0.14802	ug/L	09/19/10	04:07	
61322-3	2203/2	44072.05468	44193.79687	43950.31640	0.39064	ug/L	09/19/10	04:07	
61322-3	1960/1	-1.53730	-2.08399	-0.99061	50.29169	ug/L	09/19/10	04:07	
61322-3	1960/2	11.97368	11.01296	12.93441	11.34710	ug/L	09/19/10	04:07	
61322-3	Y	932.32031	929.22119	935.41949	0.47010		09/19/10	04:07	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61322-4	Ag	2.15102	2.10299	2.19904	3.15768	ug/L	09/19/10	04:12	
61322-4	Al	28070.83398	28097.31640	28044.35156	0.13341	ug/L	09/19/10	04:12	
61322-4	2Al	28.07229	28.09942	28.04516	0.13669	mg/L	09/19/10	04:12	
61322-4	As	82.94418	84.28144	81.60692	2.28005	ug/L	09/19/10	04:12	
61322-4	B	127.37850	127.73712	127.01988	0.39815	ug/L	09/19/10	04:12	
61322-4	Ba	8288.60449	8292.85644	8284.35253	0.07254	ug/L	09/19/10	04:12	
61322-4	Be	0.37454	0.36305	0.38602	4.33644	ug/L	09/19/10	04:12	
61322-4	Ca	567958.93750	568409.87500	567508.00000	0.11228	ug/L	09/19/10	04:12	
61322-4	Cd	252.35961	252.11187	252.60736	0.13883	ug/L	09/19/10	04:12	
61322-4	Co	52.32482	52.34289	52.30675	0.04883	ug/L	09/19/10	04:12	
61322-4	Cr	12112.41992	12119.64453	12105.19433	0.08435	ug/L	09/19/10	04:12	
61322-4	Cu	367.39797	367.44818	367.34777	0.01932	ug/L	09/19/10	04:12	
61322-4	Fe	281410.81250	281790.90625	281030.68750	0.19102	ug/L	09/19/10	04:12	
61322-4	2Fe	281.37750	281.76431	280.99072	0.19440	mg/L	09/19/10	04:12	
61322-4	K	8544.87109	8544.64550	8545.09667	0.00373	ug/L	09/19/10	04:12	
61322-4	Mg	23344.49609	23367.83007	23321.16210	0.14135	ug/L	09/19/10	04:12	
61322-4	2Mg	23.28965	23.31291	23.26639	0.14123	mg/L	09/19/10	04:12	
61322-4	Mn	2678.49926	2681.17895	2675.81958	0.14148	ug/L	09/19/10	04:12	
61322-4	Mo	18.19162	18.96010	17.42314	5.97413	ug/L	09/19/10	04:12	
61322-4	Na	103277.34375	103435.07812	103119.60937	0.21599	ug/L	09/19/10	04:12	
61322-4	Ni	217.70022	217.61299	217.78746	0.05666	ug/L	09/19/10	04:12	
61322-4	Pb	22220.11914	22264.27343	22175.96484	0.28102	ug/L	09/19/10	04:12	
61322-4	Se	5.71513	8.06325	3.36702	58.10419	ug/L	09/19/10	04:12	
61322-4	Sb	77965.31250	77823.49218	78107.14062	0.25725	ug/L	09/19/10	04:12	
61322-4	Sn	121.22914	121.49001	120.96827	0.30431	ug/L	09/19/10	04:12	
61322-4	Sr	1514.72851	1515.19287	1514.26428	0.04334	ug/L	09/19/10	04:12	
61322-4	Ti	5768.58496	5776.45117	5760.71875	0.19284	ug/L	09/19/10	04:12	
61322-4	Tl	0.49781	-0.45266	1.44830	270.01528	ug/L	09/19/10	04:12	
61322-4	V	347.00991	346.94442	347.07540	0.02669	ug/L	09/19/10	04:12	
61322-4	Zn	405529.59375	405746.18750	405313.00000	0.07553	ug/L	09/19/10	04:12	
61322-4	2203/1	22130.47265	22197.84960	22063.09765	0.43055	ug/L	09/19/10	04:12	
61322-4	2203/2	22264.87500	22297.43554	22232.31250	0.20682	ug/L	09/19/10	04:12	
61322-4	1960/1	-2.40217	0.73343	-5.53778	184.60014	ug/L	09/19/10	04:12	
61322-4	1960/2	9.76771	11.72266	7.81275	28.30478	ug/L	09/19/10	04:12	
61322-4	Y	916.47100	915.03491	917.90710	0.22160		09/19/10	04:12	
61283-1	Ag	0.45477	0.13028	0.77926	100.90542	ug/L	09/19/10	04:17	
61283-1	Al	91101.82031	90983.85937	91219.78125	0.18311	ug/L	09/19/10	04:17	
61283-1	2Al	91.10366	90.98445	91.22288	0.18506	mg/L	09/19/10	04:17	
61283-1	As	81.29017	82.02661	80.55374	1.28117	ug/L	09/19/10	04:17	
61283-1	B	35.10787	35.87769	34.33806	3.10096	ug/L	09/19/10	04:17	
61283-1	Ba	302.03698	301.93966	302.13430	0.04556	ug/L	09/19/10	04:17	
61283-1	Be	2.64342	2.64511	2.64173	0.09037	ug/L	09/19/10	04:17	
61283-1	Ca	2869.87158	2869.19506	2870.54785	0.03333	ug/L	09/19/10	04:17	
61283-1	Cd	-0.66397	-0.78551	-0.54244	25.88594	ug/L	09/19/10	04:17	
61283-1	Co	36.67518	36.29433	37.05603	1.46856	ug/L	09/19/10	04:17	
61283-1	Cr	122.75910	122.30457	123.21365	0.52364	ug/L	09/19/10	04:17	
61283-1	Cu	77.76220	77.32398	78.20043	0.79697	ug/L	09/19/10	04:17	
61283-1	Fe	131295.56250	131130.96875	131460.17187	0.17729	ug/L	09/19/10	04:17	
61283-1	2Fe	131.27609	131.10932	131.44285	0.17965	mg/L	09/19/10	04:17	
61283-1	K	2973.89819	2957.18383	2990.61254	0.79483	ug/L	09/19/10	04:17	
61283-1	Mg	4154.79394	4146.46484	4163.12255	0.28349	ug/L	09/19/10	04:17	
61283-1	2Mg	4.13145	4.12315	4.13975	0.28403	mg/L	09/19/10	04:17	
61283-1	Mn	2011.93554	2010.88757	2012.98352	0.07366	ug/L	09/19/10	04:17	
61283-1	Mo	13.09627	14.66400	11.52854	16.92926	ug/L	09/19/10	04:17	
61283-1	Na	-274.64569	-344.80996	-204.48143	36.12918	ug/L	09/19/10	04:17	
61283-1	Ni	54.79637	54.61236	54.98039	0.47490	ug/L	09/19/10	04:17	
61283-1	Pb	93.61772	93.42166	93.81377	0.29616	ug/L	09/19/10	04:17	
61283-1	Se	8.62360	7.42540	9.82180	19.64969	ug/L	09/19/10	04:17	
61283-1	Sb	122.44450	146.55534	98.33366	27.84761	ug/L	09/19/10	04:17	
61283-1	Sn	16.84440	16.30446	17.38434	4.53322	ug/L	09/19/10	04:17	
61283-1	Sr	23.14103	23.16739	23.11468	0.16106	ug/L	09/19/10	04:17	
61283-1	Ti	998.16259	999.51049	996.81469	0.19097	ug/L	09/19/10	04:17	
61283-1	Tl	7.95428	3.94942	11.95915	71.20353	ug/L	09/19/10	04:17	
61283-1	V	262.73431	263.10272	262.36590	0.19830	ug/L	09/19/10	04:17	
61283-1	Zn	249.08380	249.99177	248.17584	0.51551	ug/L	09/19/10	04:17	
61283-1	2203/1	111.37988	110.60975	112.15000	0.97784	ug/L	09/19/10	04:17	
61283-1	2203/2	84.74994	84.84049	84.65940	0.15109	ug/L	09/19/10	04:17	
61283-1	1960/1	3.50933	8.91384	-1.89518	217.79499	ug/L	09/19/10	04:17	
61283-1	1960/2	11.17690	6.68229	15.67151	56.87031	ug/L	09/19/10	04:17	
61283-1	Y	948.65850	949.58825	947.72875	0.13860		09/19/10	04:17	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	492.22509	493.38488	491.06530	0.33321	ug/L	09/19/10	04:22	
CCV	Al	4867.78222	4876.75439	4858.81054	0.26065	ug/L	09/19/10	04:22	
CCV	2Al	4.86800	4.87698	4.85903	0.26066	mg/L	09/19/10	04:22	
CCV	As	501.27618	504.24642	498.30590	0.83797	ug/L	09/19/10	04:22	
CCV	B	4953.48681	4958.04150	4948.93212	0.13003	ug/L	09/19/10	04:22	
CCV	Ba	4922.93261	4934.91992	4910.94482	0.34436	ug/L	09/19/10	04:22	
CCV	Be	497.93194	499.16705	496.69686	0.35078	ug/L	09/19/10	04:22	
CCV	Ca	4933.14550	4939.58007	4926.71044	0.18447	ug/L	09/19/10	04:22	
CCV	Cd	505.29162	507.03356	503.54971	0.48753	ug/L	09/19/10	04:22	
CCV	Co	494.24182	495.76446	492.71920	0.43568	ug/L	09/19/10	04:22	
CCV	Cr	5016.33593	5028.05566	5004.61621	0.33040	ug/L	09/19/10	04:22	
CCV	Cu	4893.32519	4910.03173	4876.61816	0.48284	ug/L	09/19/10	04:22	
CCV	Fe	4896.46826	4898.38720	4894.54931	0.05542	ug/L	09/19/10	04:22	
CCV	2Fe	4.89672	4.89864	4.89480	0.05547	mg/L	09/19/10	04:22	
CCV	K	9855.12500	9876.42089	9833.82910	0.30559	ug/L	09/19/10	04:22	
CCV	Mg	5032.95410	5044.94726	5020.96044	0.33700	ug/L	09/19/10	04:22	
CCV	2Mg	5.03296	5.04496	5.02097	0.33704	mg/L	09/19/10	04:22	
CCV	Mn	5008.31689	5020.08398	4996.54980	0.33227	ug/L	09/19/10	04:22	
CCV	Mo	501.43905	499.55279	503.32531	0.53198	ug/L	09/19/10	04:22	
CCV	Na	7250.18701	7233.79687	7266.57714	0.31970	ug/L	09/19/10	04:22	
CCV	Ni	2504.43310	2505.81738	2503.04882	0.07816	ug/L	09/19/10	04:22	
CCV	Pb	509.66418	507.89825	511.43008	0.49000	ug/L	09/19/10	04:22	
CCV	Se	5035.48925	5030.86816	5040.11083	0.12978	ug/L	09/19/10	04:22	
CCV	Sb	528.51269	528.32098	528.70446	0.05130	ug/L	09/19/10	04:22	
CCV	Sn	5060.21875	5072.70019	5047.73681	0.34883	ug/L	09/19/10	04:22	
CCV	Sr	2505.63818	2518.33276	2492.94360	0.71649	ug/L	09/19/10	04:22	
CCV	Ti	494.05535	495.17584	492.93487	0.32073	ug/L	09/19/10	04:22	
CCV	Tl	5103.83447	5120.35205	5087.31689	0.45768	ug/L	09/19/10	04:22	
CCV	V	4938.76660	4953.39648	4924.13720	0.41891	ug/L	09/19/10	04:22	
CCV	Zn	2437.43139	2429.19140	2445.67138	0.47808	ug/L	09/19/10	04:22	
CCV	2203/1	505.32806	502.96594	507.69015	0.66106	ug/L	09/19/10	04:22	
CCV	2203/2	511.82467	510.35638	513.29296	0.40570	ug/L	09/19/10	04:22	
CCV	1960/1	4977.47851	4968.40087	4986.55664	0.25792	ug/L	09/19/10	04:22	
CCV	1960/2	5064.45117	5062.05517	5066.84765	0.06691	ug/L	09/19/10	04:22	
CCV	Y	939.38726	939.57495	939.19958	0.02825		09/19/10	04:22	
CCB	Ag	0.28341	0.48533	0.08149	100.75498	ug/L	09/19/10	04:28	
CCB	Al	11.36842	5.90397	16.83288	67.97689	ug/L	09/19/10	04:28	
CCB	2Al	0.01136	0.00590	0.01683	67.97686	mg/L	09/19/10	04:28	
CCB	As	-2.91081	-3.97281	-1.84882	51.59672	ug/L	09/19/10	04:28	
CCB	B	31.90814	34.79383	29.02244	12.78981	ug/L	09/19/10	04:28	
CCB	Ba	0.83786	0.27462	1.40111	95.06863	ug/L	09/19/10	04:28	
CCB	Be	0.07547	0.00850	0.14243	125.47609	ug/L	09/19/10	04:28	
CCB	Ca	5.36654	1.66533	9.06774	97.53585	ug/L	09/19/10	04:28	
CCB	Cd	0.00580	-0.13308	0.14469	3383.29272	ug/L	09/19/10	04:28	
CCB	Co	-0.36590	-0.41935	-0.31245	20.65897	ug/L	09/19/10	04:28	
CCB	Cr	1.11145	0.87827	1.34463	29.67021	ug/L	09/19/10	04:28	
CCB	Cu	0.03909	-0.40356	0.48176	1601.11987	ug/L	09/19/10	04:28	
CCB	Fe	-3.06806	-0.87715	-5.25897	100.98918	ug/L	09/19/10	04:28	
CCB	2Fe	-0.00306	-0.00087	-0.00525	100.98424	mg/L	09/19/10	04:28	
CCB	K	-6.57316	-4.22681	-8.91950	50.48148	ug/L	09/19/10	04:28	
CCB	Mg	-2.94957	-1.53743	-4.36170	67.70686	ug/L	09/19/10	04:28	
CCB	2Mg	-0.00294	-0.00153	-0.00435	67.69598	mg/L	09/19/10	04:28	
CCB	Mn	0.93039	0.26725	1.59354	100.79863	ug/L	09/19/10	04:28	
CCB	Mo	-0.45312	-0.53048	-0.37577	24.14258	ug/L	09/19/10	04:28	
CCB	Na	-254.09169	-373.70336	-134.48001	66.57299	ug/L	09/19/10	04:28	
CCB	Ni	1.13995	1.12221	1.15769	2.20110	ug/L	09/19/10	04:28	
CCB	Pb	1.03942	2.60641	-0.52756	213.19990	ug/L	09/19/10	04:28	
CCB	Se	2.59885	2.32004	2.87767	15.17226	ug/L	09/19/10	04:28	
CCB	Sb	15.98680	17.84297	14.13064	16.41990	ug/L	09/19/10	04:28	
CCB	Sn	2.79660	1.89676	3.69643	45.50384	ug/L	09/19/10	04:28	
CCB	Sr	0.42325	0.16690	0.67960	85.65431	ug/L	09/19/10	04:28	
CCB	Ti	0.13172	0.04142	0.22202	96.94770	ug/L	09/19/10	04:28	
CCB	Tl	5.17324	4.14457	6.20190	28.12064	ug/L	09/19/10	04:28	
CCB	V	0.57817	0.15591	1.00042	103.28386	ug/L	09/19/10	04:28	
CCB	Zn	10.41979	4.55969	16.27989	79.53544	ug/L	09/19/10	04:28	
CCB	2203/1	3.97384	5.09973	2.84794	40.06838	ug/L	09/19/10	04:28	
CCB	2203/2	-0.42558	1.36161	-2.21278	593.88079	ug/L	09/19/10	04:28	
CCB	1960/1	4.15438	2.79411	5.51465	46.30559	ug/L	09/19/10	04:28	
CCB	1960/2	1.82226	2.08336	1.56116	20.26336	ug/L	09/19/10	04:28	
CCB	Y	942.08923	939.30432	944.87408	0.41805		09/19/10	04:28	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	483.12249	483.49560	482.74938	0.10921	ug/L	09/19/10	07:08	
CCV	Al	4815.60937	4815.49658	4815.72216	0.00331	ug/L	09/19/10	07:08	
CCV	2Al	4.81582	4.81593	4.81572	0.00299	mg/L	09/19/10	07:08	
CCV	As	493.23797	491.93634	494.53961	0.37320	ug/L	09/19/10	07:08	
CCV	B	4824.71289	4815.96142	4833.46386	0.25651	ug/L	09/19/10	07:08	
CCV	Ba	4818.78125	4821.68066	4815.88134	0.08509	ug/L	09/19/10	07:08	
CCV	Be	482.98754	483.57470	482.40039	0.17192	ug/L	09/19/10	07:08	
CCV	Ca	4812.15917	4814.08203	4810.23632	0.05650	ug/L	09/19/10	07:08	
CCV	Cd	489.57373	490.21591	488.93151	0.18550	ug/L	09/19/10	07:08	
CCV	Co	482.95281	483.24209	482.66357	0.08470	ug/L	09/19/10	07:08	
CCV	Cr	4877.83398	4881.24853	4874.41943	0.09899	ug/L	09/19/10	07:08	
CCV	Cu	4802.55517	4805.37402	4799.73632	0.08300	ug/L	09/19/10	07:08	
CCV	Fe	4798.45117	4802.55468	4794.34814	0.12093	ug/L	09/19/10	07:08	
CCV	2Fe	4.79870	4.80281	4.79460	0.12091	mg/L	09/19/10	07:08	
CCV	K	9743.15039	9763.95410	9722.34667	0.30196	ug/L	09/19/10	07:08	
CCV	Mg	4923.12597	4920.79931	4925.45214	0.06682	ug/L	09/19/10	07:08	
CCV	2Mg	4.92312	4.92080	4.92545	0.06683	mg/L	09/19/10	07:08	
CCV	Mn	4879.37500	4879.75927	4878.99121	0.01113	ug/L	09/19/10	07:08	
CCV	Mo	489.28588	488.11831	490.45349	0.33747	ug/L	09/19/10	07:08	
CCV	Na	7369.65771	7157.01464	7582.30078	4.08055	ug/L	09/19/10	07:08	
CCV	Ni	2447.67089	2445.71044	2449.63134	0.11327	ug/L	09/19/10	07:08	
CCV	Pb	497.93542	498.30004	497.57080	0.10355	ug/L	09/19/10	07:08	
CCV	Se	4913.75976	4917.33544	4910.18408	0.10291	ug/L	09/19/10	07:08	
CCV	Sb	490.51245	488.13388	492.89099	0.68576	ug/L	09/19/10	07:08	
CCV	Sn	4925.19042	4929.77343	4920.60791	0.13158	ug/L	09/19/10	07:08	
CCV	Sr	2442.31835	2439.82128	2444.81567	0.14459	ug/L	09/19/10	07:08	
CCV	Ti	481.28039	481.63693	480.92382	0.10477	ug/L	09/19/10	07:08	
CCV	Tl	4949.76660	4945.99609	4953.53662	0.10772	ug/L	09/19/10	07:08	
CCV	V	4846.83203	4844.33935	4849.32519	0.07273	ug/L	09/19/10	07:08	
CCV	Zn	2410.24365	2408.93188	2411.55566	0.07697	ug/L	09/19/10	07:08	
CCV	2203/1	498.78726	496.82296	500.75155	0.55693	ug/L	09/19/10	07:08	
CCV	2203/2	497.50592	499.03323	495.97857	0.43415	ug/L	09/19/10	07:08	
CCV	1960/1	4896.57324	4900.02636	4893.11962	0.09973	ug/L	09/19/10	07:08	
CCV	1960/2	4922.33984	4925.97656	4918.70361	0.10447	ug/L	09/19/10	07:08	
CCV	Y	925.58081	925.74664	925.41491	0.02534		09/19/10	07:08	
CCB	Ag	0.26708	0.65280	-0.11863	204.24137	ug/L	09/19/10	07:15	
CCB	Al	3.37924	0.69065	6.06783	112.51753	ug/L	09/19/10	07:15	
CCB	2Al	0.00337	0.00069	0.00606	112.51753	mg/L	09/19/10	07:15	
CCB	As	-0.80419	-4.34456	2.73618	622.59332	ug/L	09/19/10	07:15	
CCB	B	17.03988	18.30829	15.77146	10.52713	ug/L	09/19/10	07:15	
CCB	Ba	-0.05226	-0.03100	-0.07352	57.52644	ug/L	09/19/10	07:15	
CCB	Be	0.01793	0.01825	0.01762	2.48922	ug/L	09/19/10	07:15	
CCB	Ca	-1.30116	-1.32175	-1.28056	2.23820	ug/L	09/19/10	07:15	
CCB	Cd	-0.18338	-0.11226	-0.25451	54.84786	ug/L	09/19/10	07:15	
CCB	Co	-0.45188	-0.23247	-0.67128	68.66532	ug/L	09/19/10	07:15	
CCB	Cr	0.09440	-0.14921	0.33803	364.94134	ug/L	09/19/10	07:15	
CCB	Cu	-0.02552	-0.14527	0.09421	663.34771	ug/L	09/19/10	07:15	
CCB	Fe	-0.82472	-0.83757	-0.81187	2.20377	ug/L	09/19/10	07:15	
CCB	2Fe	-0.00082	-0.00083	-0.00081	2.18712	mg/L	09/19/10	07:15	
CCB	K	0.54067	-0.57908	1.66044	292.88900	ug/L	09/19/10	07:15	
CCB	Mg	-0.13937	1.32716	-1.60591	1488.06213	ug/L	09/19/10	07:15	
CCB	2Mg	-0.00013	0.00132	-0.00160	1489.10217	mg/L	09/19/10	07:15	
CCB	Mn	-0.10569	-0.09338	-0.11801	16.48032	ug/L	09/19/10	07:15	
CCB	Mo	-1.47683	-1.00978	-1.94387	44.72469	ug/L	09/19/10	07:15	
CCB	Na	-154.28857	-178.94491	-129.63223	22.60007	ug/L	09/19/10	07:15	
CCB	Ni	0.22511	0.09371	0.35650	82.54536	ug/L	09/19/10	07:15	
CCB	Pb	-0.91700	-0.21665	-1.61735	108.00851	ug/L	09/19/10	07:15	
CCB	Se	4.52724	6.26103	2.79345	54.15988	ug/L	09/19/10	07:15	
CCB	Sb	1.25358	0.62546	1.88170	70.86013	ug/L	09/19/10	07:15	
CCB	Sn	0.26412	-0.22560	0.75384	262.21817	ug/L	09/19/10	07:15	
CCB	Sr	-0.01631	-0.01633	-0.01629	0.19145	ug/L	09/19/10	07:15	
CCB	Ti	0.04282	0.05448	0.03116	38.50645	ug/L	09/19/10	07:15	
CCB	Tl	3.81357	5.70325	1.92390	70.07595	ug/L	09/19/10	07:15	
CCB	V	0.15310	0.36936	-0.06315	199.75277	ug/L	09/19/10	07:15	
CCB	Zn	0.14324	0.32123	-0.03474	175.72503	ug/L	09/19/10	07:15	
CCB	2203/1	-3.18633	-3.34042	-3.03224	6.83914	ug/L	09/19/10	07:15	
CCB	2203/2	0.21595	1.34288	-0.91096	737.96856	ug/L	09/19/10	07:15	
CCB	1960/1	1.10918	1.64767	0.57068	68.65825	ug/L	09/19/10	07:15	
CCB	1960/2	6.23371	8.56425	3.90317	52.87195	ug/L	09/19/10	07:15	
CCB	Y	918.76702	919.23406	918.29998	0.07188		09/19/10	07:15	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBS 180221	Ag	-0.22037	-0.22044	-0.22030	0.04599	ug/L	09/19/10	07:20	
PBS 180221	Al	7.25637	6.41603	8.09671	16.37759	ug/L	09/19/10	07:20	
PBS 180221	2Al	0.00725	0.00641	0.00809	16.37772	mg/L	09/19/10	07:20	
PBS 180221	As	-1.06048	-0.13480	-1.98616	123.44467	ug/L	09/19/10	07:20	
PBS 180221	B	11.98927	11.35582	12.62272	7.47196	ug/L	09/19/10	07:20	
PBS 180221	Ba	-0.10030	-0.08640	-0.11419	19.59319	ug/L	09/19/10	07:20	
PBS 180221	Be	0.00984	0.00952	0.01015	4.54198	ug/L	09/19/10	07:20	
PBS 180221	Ca	14.09091	13.29610	14.88572	7.97698	ug/L	09/19/10	07:20	
PBS 180221	Cd	0.09037	0.21784	-0.03709	199.45921	ug/L	09/19/10	07:20	
PBS 180221	Co	-0.61886	-0.60232	-0.63540	3.77876	ug/L	09/19/10	07:20	
PBS 180221	Cr	0.81103	0.45090	1.17117	62.79751	ug/L	09/19/10	07:20	
PBS 180221	Cu	0.36876	0.75488	-0.01735	148.07879	ug/L	09/19/10	07:20	
PBS 180221	Fe	51.99775	53.70785	50.28766	4.65104	ug/L	09/19/10	07:20	
PBS 180221	2Fe	0.05199	0.05370	0.05028	4.65114	mg/L	09/19/10	07:20	
PBS 180221	K	7.53638	12.90757	2.16518	100.79123	ug/L	09/19/10	07:20	
PBS 180221	Mg	-0.10808	-1.55819	1.34202	1897.32263	ug/L	09/19/10	07:20	
PBS 180221	2Mg	-0.00011	-0.00156	0.00133	1754.02075	mg/L	09/19/10	07:20	
PBS 180221	Mn	0.63031	0.57612	0.68451	12.15906	ug/L	09/19/10	07:20	
PBS 180221	Mo	1.38457	2.76831	0.00083	141.33599	ug/L	09/19/10	07:20	
PBS 180221	Na	-1.80062	-1.65025	-1.95100	11.81036	ug/L	09/19/10	07:20	
PBS 180221	Ni	0.40394	0.47632	0.33155	25.34201	ug/L	09/19/10	07:20	
PBS 180221	Pb	-0.59956	-0.72264	-0.47648	29.03054	ug/L	09/19/10	07:20	
PBS 180221	Se	3.62442	6.78658	0.46226	123.38413	ug/L	09/19/10	07:20	
PBS 180221	Sb	0.18374	-2.08492	2.45241	1746.08264	ug/L	09/19/10	07:20	
PBS 180221	Sn	13.41766	14.06038	12.77493	6.77429	ug/L	09/19/10	07:20	
PBS 180221	Sr	0.03330	0.04053	0.02608	30.67491	ug/L	09/19/10	07:20	
PBS 180221	Ti	0.09320	0.01379	0.17262	120.49668	ug/L	09/19/10	07:20	
PBS 180221	Tl	3.41424	4.59683	2.23165	48.98406	ug/L	09/19/10	07:20	
PBS 180221	V	0.58669	0.80043	0.37295	51.52141	ug/L	09/19/10	07:20	
PBS 180221	Zn	2.22831	2.20014	2.25648	1.78796	ug/L	09/19/10	07:20	
PBS 180221	2203/1	0.39615	1.55810	-0.76578	414.79101	ug/L	09/19/10	07:20	
PBS 180221	2203/2	-1.09667	-1.86130	-0.33205	98.60129	ug/L	09/19/10	07:20	
PBS 180221	1960/1	1.60298	1.64772	1.55824	3.94701	ug/L	09/19/10	07:20	
PBS 180221	1960/2	4.63363	9.35216	-0.08489	144.01251	ug/L	09/19/10	07:20	
PBS 180221	Y	929.36962	928.71484	930.02435	0.09963		09/19/10	07:20	
PBS 180221	Ag	0.49512	0.44307	0.54717	14.86791	ug/L	09/19/10	07:31	
PBS 180221	Al	9.61457	12.78127	6.44786	46.57926	ug/L	09/19/10	07:31	
PBS 180221	2Al	0.00961	0.01278	0.00644	46.57926	mg/L	09/19/10	07:31	
PBS 180221	As	-3.12408	-3.57564	-2.67253	20.44096	ug/L	09/19/10	07:31	
PBS 180221	B	9.43089	8.07665	10.78512	20.30752	ug/L	09/19/10	07:31	
PBS 180221	Ba	0.03263	-0.00252	0.06779	152.36109	ug/L	09/19/10	07:31	
PBS 180221	Be	-0.00441	-0.01462	0.00579	327.09893	ug/L	09/19/10	07:31	
PBS 180221	Ca	19.42294	19.05289	19.79298	2.69437	ug/L	09/19/10	07:31	
PBS 180221	Cd	-0.20482	-0.07683	-0.33282	88.37104	ug/L	09/19/10	07:31	
PBS 180221	Co	-0.04082	0.09575	-0.17741	473.10003	ug/L	09/19/10	07:31	
PBS 180221	Cr	0.35366	0.33249	0.37483	8.46401	ug/L	09/19/10	07:31	
PBS 180221	Cu	0.32185	0.17462	0.46909	64.69438	ug/L	09/19/10	07:31	
PBS 180221	Fe	50.54666	60.52388	40.56946	27.91460	ug/L	09/19/10	07:31	
PBS 180221	2Fe	0.05054	0.06051	0.04056	27.91480	mg/L	09/19/10	07:31	
PBS 180221	K	18.73020	15.79339	21.66702	22.17425	ug/L	09/19/10	07:31	
PBS 180221	Mg	-1.56318	-7.38440	4.25804	526.64801	ug/L	09/19/10	07:31	
PBS 180221	2Mg	-0.00157	-0.00739	0.00425	523.92480	mg/L	09/19/10	07:31	
PBS 180221	Mn	0.62214	0.56605	0.67823	12.74920	ug/L	09/19/10	07:31	
PBS 180221	Mo	-0.00043	0.54031	-0.54118	176626.84375	ug/L	09/19/10	07:31	
PBS 180221	Na	-187.92913	-98.48316	-277.37509	67.31031	ug/L	09/19/10	07:31	
PBS 180221	Ni	-0.20092	0.17420	-0.57604	264.03460	ug/L	09/19/10	07:31	
PBS 180221	Pb	0.46038	0.16019	0.76058	92.21244	ug/L	09/19/10	07:31	
PBS 180221	Se	-0.31164	-2.63530	2.01202	1054.45983	ug/L	09/19/10	07:31	
PBS 180221	Sb	-2.72386	-3.97648	-1.47125	65.03467	ug/L	09/19/10	07:31	
PBS 180221	Sn	11.62919	11.19097	12.06740	5.32911	ug/L	09/19/10	07:31	
PBS 180221	Sr	-0.01298	-0.00945	-0.01651	38.42730	ug/L	09/19/10	07:31	
PBS 180221	Ti	0.03446	-0.03304	0.10198	277.00656	ug/L	09/19/10	07:31	
PBS 180221	Tl	0.96179	-3.84950	5.77309	707.44769	ug/L	09/19/10	07:31	
PBS 180221	V	-0.00849	0.20736	-0.22436	3591.75024	ug/L	09/19/10	07:31	
PBS 180221	Zn	3.09865	3.15276	3.04454	2.46940	ug/L	09/19/10	07:31	
PBS 180221	2203/1	4.82063	2.38980	7.25145	71.31225	ug/L	09/19/10	07:31	
PBS 180221	2203/2	-1.71646	-0.95293	-2.47998	62.90769	ug/L	09/19/10	07:31	
PBS 180221	1960/1	0.00834	-2.62172	2.63841	44570.60937	ug/L	09/19/10	07:31	
PBS 180221	1960/2	-0.47139	-2.64209	1.69929	651.21691	ug/L	09/19/10	07:31	
PBS 180221	Y	924.43273	925.80773	923.05780	0.21034		09/19/10	07:31	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61056-1 179840	Ag	-0.14411	-0.27275	-0.01547	126.23763	ug/L	09/19/10	07:36	
61056-1 179840	Al	11364.82226	11366.77246	11362.87304	0.02426	ug/L	09/19/10	07:36	
61056-1 179840	2Al	11.36507	11.36702	11.36312	0.02428	mg/L	09/19/10	07:36	
61056-1 179840	As	3.37817	4.79502	1.96131	59.31439	ug/L	09/19/10	07:36	
61056-1 179840	B	208.42840	208.55297	208.30383	0.08452	ug/L	09/19/10	07:36	
61056-1 179840	Ba	169.74517	169.79682	169.69354	0.04302	ug/L	09/19/10	07:36	
61056-1 179840	Be	0.55095	0.54732	0.55459	0.93335	ug/L	09/19/10	07:36	
61056-1 179840	Ca	70600.51562	70538.83593	70662.20312	0.12355	ug/L	09/19/10	07:36	
61056-1 179840	Cd	-0.38701	-0.43863	-0.33538	18.86382	ug/L	09/19/10	07:36	
61056-1 179840	Co	6.21952	6.67007	5.76896	10.24484	ug/L	09/19/10	07:36	
61056-1 179840	Cr	15.76760	15.49071	16.04449	2.48346	ug/L	09/19/10	07:36	
61056-1 179840	Cu	9.18584	9.60998	8.76171	6.52975	ug/L	09/19/10	07:36	
61056-1 179840	Fe	14326.69726	14311.04296	14342.35253	0.15453	ug/L	09/19/10	07:36	
61056-1 179840	2Fe	14.32451	14.30886	14.34016	0.15451	mg/L	09/19/10	07:36	
61056-1 179840	K	2072.31152	2075.33447	2069.28881	0.20628	ug/L	09/19/10	07:36	
61056-1 179840	Mg	23292.39843	23286.67773	23298.12109	0.03473	ug/L	09/19/10	07:36	
61056-1 179840	2Mg	23.28397	23.27826	23.28969	0.03471	mg/L	09/19/10	07:36	
61056-1 179840	Mn	1471.82592	1471.28735	1472.36462	0.05175	ug/L	09/19/10	07:36	
61056-1 179840	Mo	0.65978	1.08615	0.23341	91.39080	ug/L	09/19/10	07:36	
61056-1 179840	Na	33757.59765	33572.55859	33942.63671	0.77518	ug/L	09/19/10	07:36	
61056-1 179840	Ni	13.98706	14.41207	13.56205	4.29725	ug/L	09/19/10	07:36	
61056-1 179840	Pb	6.46546	7.18654	5.74438	15.77236	ug/L	09/19/10	07:36	
61056-1 179840	Se	5.41810	8.73064	2.10555	86.46283	ug/L	09/19/10	07:36	
61056-1 179840	Sb	-1.12741	-1.09397	-1.16084	4.19369	ug/L	09/19/10	07:36	
61056-1 179840	Sn	-0.31495	-0.15759	-0.47232	70.65879	ug/L	09/19/10	07:36	
61056-1 179840	Sr	210.23089	210.25154	210.21026	0.01388	ug/L	09/19/10	07:36	
61056-1 179840	Ti	146.71060	146.90016	146.52104	0.18272	ug/L	09/19/10	07:36	
61056-1 179840	Tl	2.68693	4.02107	1.35279	70.21981	ug/L	09/19/10	07:36	
61056-1 179840	V	21.58292	21.80852	21.35732	1.47824	ug/L	09/19/10	07:36	
61056-1 179840	Zn	38.57031	38.19176	38.94885	1.38797	ug/L	09/19/10	07:36	
61056-1 179840	2203/1	6.53858	9.26485	3.81232	58.96568	ug/L	09/19/10	07:36	
61056-1 179840	2203/2	6.42895	6.14894	6.70897	6.15964	ug/L	09/19/10	07:36	
61056-1 179840	1960/1	2.07643	7.86208	-3.70920	394.04644	ug/L	09/19/10	07:36	
61056-1 179840	1960/2	7.08642	9.16427	5.00857	41.46688	ug/L	09/19/10	07:36	
61056-1 179840	Y	918.39599	920.29913	916.49285	0.29305		09/19/10	07:36	
61056-1L	Ag	0.16304	0.24127	0.08481	67.85697	ug/L	09/19/10	07:42	
61056-1L	Al	2273.96386	2344.05712	2203.87036	4.35921	ug/L	09/19/10	07:42	
61056-1L	2Al	2.27408	2.34428	2.20387	4.36607	mg/L	09/19/10	07:42	
61056-1L	As	-1.12988	-0.70600	-1.55377	53.05450	ug/L	09/19/10	07:42	
61056-1L	B	52.06061	52.86550	51.25573	2.18645	ug/L	09/19/10	07:42	
61056-1L	Ba	33.72279	34.61510	32.83048	3.74204	ug/L	09/19/10	07:42	
61056-1L	Be	0.13274	0.15253	0.11295	21.08517	ug/L	09/19/10	07:42	
61056-1L	Ca	14035.15820	14443.45800	13626.85839	4.11411	ug/L	09/19/10	07:42	
61056-1L	Cd	0.12374	-0.01539	0.26289	159.01469	ug/L	09/19/10	07:42	
61056-1L	Co	1.33660	1.20867	1.46454	13.53618	ug/L	09/19/10	07:42	
61056-1L	Cr	3.07720	3.21673	2.93767	6.41254	ug/L	09/19/10	07:42	
61056-1L	Cu	1.08484	0.98463	1.18505	13.06311	ug/L	09/19/10	07:42	
61056-1L	Fe	2895.29052	2975.83032	2814.75048	3.93399	ug/L	09/19/10	07:42	
61056-1L	2Fe	2.89507	2.97561	2.81454	3.93399	mg/L	09/19/10	07:42	
61056-1L	K	382.15579	387.28317	377.02841	1.89744	ug/L	09/19/10	07:42	
61056-1L	Mg	4692.29785	4828.45019	4556.14501	4.10350	ug/L	09/19/10	07:42	
61056-1L	2Mg	4.69060	4.82670	4.55449	4.10352	mg/L	09/19/10	07:42	
61056-1L	Mn	297.33377	306.06158	288.60595	4.15122	ug/L	09/19/10	07:42	
61056-1L	Mo	-0.03803	-0.00004	-0.07602	141.25468	ug/L	09/19/10	07:42	
61056-1L	Na	6641.44921	6931.77636	6351.12207	6.18215	ug/L	09/19/10	07:42	
61056-1L	Ni	3.24320	2.64625	3.84015	26.03023	ug/L	09/19/10	07:42	
61056-1L	Pb	2.41999	2.43124	2.40874	0.65741	ug/L	09/19/10	07:42	
61056-1L	Se	5.99155	1.89613	10.08697	96.66597	ug/L	09/19/10	07:42	
61056-1L	Sb	-2.38159	-3.04366	-1.71953	39.31385	ug/L	09/19/10	07:42	
61056-1L	Sn	-1.15931	1.06310	-3.38173	271.10678	ug/L	09/19/10	07:42	
61056-1L	Sr	42.11026	43.32083	40.89970	4.06551	ug/L	09/19/10	07:42	
61056-1L	Ti	29.64038	30.40307	28.87769	3.63897	ug/L	09/19/10	07:42	
61056-1L	Tl	2.66377	7.77691	-2.44937	271.46008	ug/L	09/19/10	07:42	
61056-1L	V	4.78063	4.83206	4.72920	1.52148	ug/L	09/19/10	07:42	
61056-1L	Zn	7.86527	8.11650	7.61404	4.51728	ug/L	09/19/10	07:42	
61056-1L	2203/1	2.28377	0.10913	4.45842	134.66345	ug/L	09/19/10	07:42	
61056-1L	2203/2	2.48799	3.59055	1.38544	62.67094	ug/L	09/19/10	07:42	
61056-1L	1960/1	3.19466	1.92073	4.46859	56.39432	ug/L	09/19/10	07:42	
61056-1L	1960/2	7.38789	1.88385	12.89194	105.36003	ug/L	09/19/10	07:42	
61056-1L	Y	924.48083	919.47851	929.48309	0.76521		09/19/10	07:42	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61056-1A	Ag	50.73444	49.63968	51.82919	3.05161	ug/L	09/19/10	07:47	
61056-1A	Al	13293.42480	13296.44238	13290.40722	0.03210	ug/L	09/19/10	07:47	
61056-1A	2Al	13.29451	13.29730	13.29171	0.02977	mg/L	09/19/10	07:47	
61056-1A	As	2099.54296	2062.19555	2136.89013	2.51564	ug/L	09/19/10	07:47	
61056-1A	B	1204.05126	1185.84204	1222.26049	2.13875	ug/L	09/19/10	07:47	
61056-1A	Ba	2240.92773	2203.49365	2278.36206	2.36241	ug/L	09/19/10	07:47	
61056-1A	Be	51.99434	51.11500	52.87368	2.39173	ug/L	09/19/10	07:47	
61056-1A	Ca	75262.93750	75492.12500	75033.74218	0.43065	ug/L	09/19/10	07:47	
61056-1A	Cd	51.51461	50.68238	52.34685	2.28471	ug/L	09/19/10	07:47	
61056-1A	Co	511.29031	502.97534	519.60528	2.29989	ug/L	09/19/10	07:47	
61056-1A	Cr	222.03878	218.16946	225.90812	2.46446	ug/L	09/19/10	07:47	
61056-1A	Cu	261.55456	257.08068	266.02844	2.41900	ug/L	09/19/10	07:47	
61056-1A	Fe	15247.98437	15299.32226	15196.64550	0.47615	ug/L	09/19/10	07:47	
61056-1A	2Fe	15.24707	15.29840	15.19574	0.47610	mg/L	09/19/10	07:47	
61056-1A	K	7582.94042	7470.42578	7695.45458	2.09838	ug/L	09/19/10	07:47	
61056-1A	Mg	28256.42578	28273.65039	28239.20117	0.08620	ug/L	09/19/10	07:47	
61056-1A	2Mg	28.24667	28.26388	28.22946	0.08615	mg/L	09/19/10	07:47	
61056-1A	Mn	1979.84179	1977.53283	1982.15087	0.16493	ug/L	09/19/10	07:47	
61056-1A	Mo	495.94766	488.72415	503.17117	2.05981	ug/L	09/19/10	07:47	
61056-1A	Na	38926.00781	38936.97265	38915.04296	0.03983	ug/L	09/19/10	07:47	
61056-1A	Ni	516.33575	505.94265	526.72888	2.84661	ug/L	09/19/10	07:47	
61056-1A	Pb	516.09277	503.89382	528.29174	3.34279	ug/L	09/19/10	07:47	
61056-1A	Se	2058.28979	2013.53063	2103.04907	3.07532	ug/L	09/19/10	07:47	
61056-1A	Sb	500.07531	493.48626	506.66439	1.86338	ug/L	09/19/10	07:47	
61056-1A	Sn	1033.76257	1015.87622	1051.64892	2.44689	ug/L	09/19/10	07:47	
61056-1A	Sr	722.29266	715.11614	729.46917	1.40512	ug/L	09/19/10	07:47	
61056-1A	Ti	1128.68066	1111.92309	1145.43835	2.09969	ug/L	09/19/10	07:47	
61056-1A	Tl	2134.58935	2093.12377	2176.05493	2.74718	ug/L	09/19/10	07:47	
61056-1A	V	532.18774	522.89013	541.48529	2.47069	ug/L	09/19/10	07:47	
61056-1A	Zn	547.34027	538.24536	556.43518	2.34993	ug/L	09/19/10	07:47	
61056-1A	2203/1	523.88122	511.37313	536.38928	3.37654	ug/L	09/19/10	07:47	
61056-1A	2203/2	512.20440	500.15975	524.24908	3.32557	ug/L	09/19/10	07:47	
61056-1A	1960/1	2060.17651	2016.00634	2104.34667	3.03207	ug/L	09/19/10	07:47	
61056-1A	1960/2	2057.34790	2012.29467	2102.40112	3.09694	ug/L	09/19/10	07:47	
61056-1A	Y	911.40325	905.45812	917.34838	0.92249		09/19/10	07:47	
61173-1 1/5	Ag	0.73899	0.91892	0.55907	34.43193	ug/L	09/19/10	07:52	
61173-1 1/5	Al	6.43530	8.06949	4.80111	35.91273	ug/L	09/19/10	07:52	
61173-1 1/5	2Al	0.00643	0.00807	0.00480	35.91273	mg/L	09/19/10	07:52	
61173-1 1/5	As	0.80844	1.11554	0.50134	53.72043	ug/L	09/19/10	07:52	
61173-1 1/5	B	13.34088	13.18824	13.49353	1.61808	ug/L	09/19/10	07:52	
61173-1 1/5	Ba	0.24718	0.23949	0.25486	4.39931	ug/L	09/19/10	07:52	
61173-1 1/5	Be	0.00464	-0.00143	0.01072	185.07295	ug/L	09/19/10	07:52	
61173-1 1/5	Ca	48.88061	50.64996	47.11126	5.11908	ug/L	09/19/10	07:52	
61173-1 1/5	Cd	0.24358	0.27533	0.21183	18.43436	ug/L	09/19/10	07:52	
61173-1 1/5	Co	-0.56905	-0.47034	-0.66777	24.53211	ug/L	09/19/10	07:52	
61173-1 1/5	Cr	-0.06612	0.42536	-0.55761	1051.19482	ug/L	09/19/10	07:52	
61173-1 1/5	Cu	-0.36134	-0.14876	-0.57391	83.19680	ug/L	09/19/10	07:52	
61173-1 1/5	Fe	6.01827	12.81929	-0.78274	159.81484	ug/L	09/19/10	07:52	
61173-1 1/5	2Fe	0.00601	0.01281	-0.00078	159.82044	mg/L	09/19/10	07:52	
61173-1 1/5	K	22.97967	28.76652	17.19282	35.61338	ug/L	09/19/10	07:52	
61173-1 1/5	Mg	11.68988	16.10957	7.27019	53.46829	ug/L	09/19/10	07:52	
61173-1 1/5	2Mg	0.01168	0.01610	0.00726	53.45786	mg/L	09/19/10	07:52	
61173-1 1/5	Mn	0.29875	0.26666	0.33083	15.18842	ug/L	09/19/10	07:52	
61173-1 1/5	Mo	2.70684	3.44654	1.96714	38.64643	ug/L	09/19/10	07:52	
61173-1 1/5	Na	203.06217	262.34802	143.77633	41.28924	ug/L	09/19/10	07:52	
61173-1 1/5	Ni	0.43229	0.52134	0.34324	29.13176	ug/L	09/19/10	07:52	
61173-1 1/5	Pb	2.24289	1.83870	2.64708	25.48535	ug/L	09/19/10	07:52	
61173-1 1/5	Se	4.22371	0.49603	7.95138	124.81269	ug/L	09/19/10	07:52	
61173-1 1/5	Sb	1.97907	4.48614	-0.52798	179.15042	ug/L	09/19/10	07:52	
61173-1 1/5	Sn	1.25542	0.22403	2.28682	116.18473	ug/L	09/19/10	07:52	
61173-1 1/5	Sr	0.67567	0.72145	0.62989	9.58173	ug/L	09/19/10	07:52	
61173-1 1/5	Ti	0.37339	0.46614	0.28064	35.12838	ug/L	09/19/10	07:52	
61173-1 1/5	Tl	2.71692	5.99849	-0.56464	170.81250	ug/L	09/19/10	07:52	
61173-1 1/5	V	0.42831	0.92541	-0.06878	164.13284	ug/L	09/19/10	07:52	
61173-1 1/5	Zn	12516.19531	13104.53125	11927.86035	6.64764	ug/L	09/19/10	07:52	
61173-1 1/5	2203/1	1.68877	1.10271	2.27483	49.07796	ug/L	09/19/10	07:52	
61173-1 1/5	2203/2	2.51954	2.20615	2.83293	17.59051	ug/L	09/19/10	07:52	
61173-1 1/5	1960/1	3.75526	-3.05994	10.57048	256.65740	ug/L	09/19/10	07:52	
61173-1 1/5	1960/2	4.45758	2.27136	6.64380	69.36000	ug/L	09/19/10	07:52	
61173-1 1/5	Y	909.07238	911.28979	906.85491	0.34495		09/19/10	07:52	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 180017	Ag	-0.11809	-0.01578	-0.22039	122.51778	ug/L	09/19/10	07:56	
PBW 180017	Al	4.26287	1.75758	6.76817	83.11333	ug/L	09/19/10	07:56	
PBW 180017	2Al	0.00426	0.00175	0.00676	83.11364	mg/L	09/19/10	07:56	
PBW 180017	As	-2.61185	-4.20644	-1.01726	86.34064	ug/L	09/19/10	07:56	
PBW 180017	B	9.51675	9.62117	9.41233	1.55167	ug/L	09/19/10	07:56	
PBW 180017	Ba	-0.09379	-0.05927	-0.12831	52.04376	ug/L	09/19/10	07:56	
PBW 180017	Be	-0.00817	-0.00387	-0.01247	74.41641	ug/L	09/19/10	07:56	
PBW 180017	Ca	8.24598	8.23441	8.25754	0.19832	ug/L	09/19/10	07:56	
PBW 180017	Cd	-0.38954	-1.03979	0.26071	236.07115	ug/L	09/19/10	07:56	
PBW 180017	Co	-0.83832	-0.79838	-0.87826	6.73774	ug/L	09/19/10	07:56	
PBW 180017	Cr	0.23038	-0.23026	0.69103	282.76473	ug/L	09/19/10	07:56	
PBW 180017	Cu	0.07442	-0.14599	0.29483	418.84121	ug/L	09/19/10	07:56	
PBW 180017	Fe	-13.68910	-17.65646	-9.72175	40.98653	ug/L	09/19/10	07:56	
PBW 180017	2Fe	-0.01368	-0.01765	-0.00972	40.98528	mg/L	09/19/10	07:56	
PBW 180017	K	3.59735	0.70263	6.49206	113.79907	ug/L	09/19/10	07:56	
PBW 180017	Mg	-0.12399	1.32420	-1.57220	1651.68627	ug/L	09/19/10	07:56	
PBW 180017	2Mg	-0.00012	0.00132	-0.00157	1684.89404	mg/L	09/19/10	07:56	
PBW 180017	Mn	-0.04482	-0.09334	0.00368	153.05892	ug/L	09/19/10	07:56	
PBW 180017	Mo	1.08768	2.17460	0.00076	141.32170	ug/L	09/19/10	07:56	
PBW 180017	Na	-24.57166	-14.99363	-34.14970	55.12602	ug/L	09/19/10	07:56	
PBW 180017	Ni	-0.16030	-0.07504	-0.24556	75.21283	ug/L	09/19/10	07:56	
PBW 180017	Pb	0.94624	0.49891	1.39356	66.85496	ug/L	09/19/10	07:56	
PBW 180017	Se	4.04217	6.43533	1.64900	83.72843	ug/L	09/19/10	07:56	
PBW 180017	Sb	1.67677	1.05553	2.29801	52.39628	ug/L	09/19/10	07:56	
PBW 180017	Sn	-1.20627	-3.68849	1.27593	291.00918	ug/L	09/19/10	07:56	
PBW 180017	Sr	-0.06696	-0.06700	-0.06692	0.08149	ug/L	09/19/10	07:56	
PBW 180017	Ti	0.14845	0.26029	0.03660	106.55017	ug/L	09/19/10	07:56	
PBW 180017	Tl	-0.86575	0.73102	-2.46253	260.83477	ug/L	09/19/10	07:56	
PBW 180017	V	0.34530	0.69568	-0.00508	143.50254	ug/L	09/19/10	07:56	
PBW 180017	Zn	0.96845	0.79695	1.13994	25.04340	ug/L	09/19/10	07:56	
PBW 180017	2203/1	2.30688	3.80928	0.80447	92.10362	ug/L	09/19/10	07:56	
PBW 180017	2203/2	0.26694	-1.15378	1.68766	752.67352	ug/L	09/19/10	07:56	
PBW 180017	1960/1	6.22644	10.94925	1.50363	107.26930	ug/L	09/19/10	07:56	
PBW 180017	1960/2	2.95167	4.18176	1.72158	58.93638	ug/L	09/19/10	07:56	
PBW 180017	Y	924.23199	919.27770	929.18627	0.75807		09/19/10	07:56	
LCSW-1	Ag	52.42010	52.10935	52.73085	0.83834	ug/L	09/19/10	08:00	
LCSW-1	Al	1967.40893	1965.15466	1969.66320	0.16204	ug/L	09/19/10	08:00	
LCSW-1	2Al	1.96749	1.96512	1.96985	0.16974	mg/L	09/19/10	08:00	
LCSW-1	As	2019.98815	2012.41040	2027.56591	0.53052	ug/L	09/19/10	08:00	
LCSW-1	B	1042.11718	1042.38195	1041.85229	0.03593	ug/L	09/19/10	08:00	
LCSW-1	Ba	1994.66967	1992.32495	1997.01452	0.16624	ug/L	09/19/10	08:00	
LCSW-1	Be	49.51133	49.49432	49.52834	0.04858	ug/L	09/19/10	08:00	
LCSW-1	Ca	5172.11718	5165.71386	5178.52050	0.17508	ug/L	09/19/10	08:00	
LCSW-1	Cd	51.33689	51.31817	51.35562	0.05159	ug/L	09/19/10	08:00	
LCSW-1	Co	503.48474	502.74511	504.22436	0.20774	ug/L	09/19/10	08:00	
LCSW-1	Cr	202.92228	202.21286	203.63171	0.49441	ug/L	09/19/10	08:00	
LCSW-1	Cu	243.42985	243.03720	243.82250	0.22811	ug/L	09/19/10	08:00	
LCSW-1	Fe	962.98742	957.27844	968.69641	0.83840	ug/L	09/19/10	08:00	
LCSW-1	2Fe	0.96312	0.95741	0.96883	0.83824	mg/L	09/19/10	08:00	
LCSW-1	K	5536.34863	5527.57617	5545.12109	0.22408	ug/L	09/19/10	08:00	
LCSW-1	Mg	5315.93359	5305.83935	5326.02832	0.26854	ug/L	09/19/10	08:00	
LCSW-1	2Mg	5.31449	5.30440	5.32458	0.26852	mg/L	09/19/10	08:00	
LCSW-1	Mn	504.05987	503.51507	504.60464	0.15284	ug/L	09/19/10	08:00	
LCSW-1	Mo	521.21917	519.65765	522.78070	0.42368	ug/L	09/19/10	08:00	
LCSW-1	Na	4857.81689	4851.25634	4864.37744	0.19099	ug/L	09/19/10	08:00	
LCSW-1	Ni	506.52478	506.55258	506.49697	0.00776	ug/L	09/19/10	08:00	
LCSW-1	Pb	506.93164	508.96536	504.89791	0.56735	ug/L	09/19/10	08:00	
LCSW-1	Se	2053.19018	2045.98937	2060.39086	0.49597	ug/L	09/19/10	08:00	
LCSW-1	Sb	483.45590	484.52392	482.38787	0.31242	ug/L	09/19/10	08:00	
LCSW-1	Sn	1059.54833	1053.68627	1065.41027	0.78242	ug/L	09/19/10	08:00	
LCSW-1	Sr	531.74584	531.89294	531.59875	0.03912	ug/L	09/19/10	08:00	
LCSW-1	Ti	711.49060	710.60949	712.37164	0.17512	ug/L	09/19/10	08:00	
LCSW-1	Tl	2111.20312	2114.33642	2108.06958	0.20989	ug/L	09/19/10	08:00	
LCSW-1	V	493.85845	494.31900	493.39794	0.13187	ug/L	09/19/10	08:00	
LCSW-1	Zn	508.09118	507.51361	508.66879	0.16076	ug/L	09/19/10	08:00	
LCSW-1	2203/1	508.23529	507.22888	509.24172	0.28004	ug/L	09/19/10	08:00	
LCSW-1	2203/2	506.28076	509.83227	502.72924	0.99205	ug/L	09/19/10	08:00	
LCSW-1	1960/1	2033.60888	2032.01025	2035.20751	0.11117	ug/L	09/19/10	08:00	
LCSW-1	1960/2	2062.96533	2052.96777	2072.96313	0.68536	ug/L	09/19/10	08:00	
LCSW-1	Y	925.04388	927.81567	922.27209	0.42375		09/19/10	08:00	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL LCSW-1	Ag	10.37572	10.70549	10.04596	4.49473	ug/L	09/19/10	08:05	
RL LCSW-1	Al	210.91079	213.06860	208.75299	1.44686	ug/L	09/19/10	08:05	
RL LCSW-1	2Al	0.21093	0.21308	0.20877	1.44687	mg/L	09/19/10	08:05	
RL LCSW-1	As	20.54420	20.64750	20.44090	0.71110	ug/L	09/19/10	08:05	
RL LCSW-1	B	113.37027	114.72893	112.01161	1.69482	ug/L	09/19/10	08:05	
RL LCSW-1	Ba	10.12005	10.14885	10.09125	0.40244	ug/L	09/19/10	08:05	
RL LCSW-1	Be	3.96470	3.96492	3.96448	0.00788	ug/L	09/19/10	08:05	
RL LCSW-1	Ca	510.90060	510.67843	511.12277	0.06149	ug/L	09/19/10	08:05	
RL LCSW-1	Cd	5.03089	4.72049	5.34128	8.72536	ug/L	09/19/10	08:05	
RL LCSW-1	Co	8.93234	9.18386	8.68082	3.98222	ug/L	09/19/10	08:05	
RL LCSW-1	Cr	9.95897	10.25915	9.65879	4.26263	ug/L	09/19/10	08:05	
RL LCSW-1	Cu	21.01465	21.20669	20.82262	1.29230	ug/L	09/19/10	08:05	
RL LCSW-1	Fe	64.96467	66.06437	63.86497	2.39393	ug/L	09/19/10	08:05	
RL LCSW-1	2Fe	0.06496	0.06606	0.06386	2.39403	mg/L	09/19/10	08:05	
RL LCSW-1	K	1066.20605	1062.94702	1069.46508	0.43227	ug/L	09/19/10	08:05	
RL LCSW-1	Mg	515.71502	520.08703	511.34298	1.19891	ug/L	09/19/10	08:05	
RL LCSW-1	2Mg	0.51556	0.51993	0.51119	1.19887	mg/L	09/19/10	08:05	
RL LCSW-1	Mn	10.16266	10.10319	10.22213	0.82755	ug/L	09/19/10	08:05	
RL LCSW-1	Mo	11.11430	9.54960	12.67900	19.90964	ug/L	09/19/10	08:05	
RL LCSW-1	Na	750.85565	678.62658	823.08471	13.60412	ug/L	09/19/10	08:05	
RL LCSW-1	Ni	41.62898	40.77448	42.48348	2.90290	ug/L	09/19/10	08:05	
RL LCSW-1	Pb	10.29184	11.87623	8.70744	21.77129	ug/L	09/19/10	08:05	
RL LCSW-1	Se	24.01422	22.43548	25.59296	9.29729	ug/L	09/19/10	08:05	
RL LCSW-1	Sb	21.11716	22.18055	20.05377	7.12153	ug/L	09/19/10	08:05	
RL LCSW-1	Sn	53.20343	55.80857	50.59830	6.92476	ug/L	09/19/10	08:05	
RL LCSW-1	Sr	10.38555	10.38301	10.38808	0.03451	ug/L	09/19/10	08:05	
RL LCSW-1	Ti	10.27084	10.58649	9.95519	4.34623	ug/L	09/19/10	08:05	
RL LCSW-1	Tl	28.76705	31.83279	25.70131	15.07143	ug/L	09/19/10	08:05	
RL LCSW-1	V	9.85820	10.18107	9.53532	4.63178	ug/L	09/19/10	08:05	
RL LCSW-1	Zn	22.11615	22.08952	22.14277	0.17025	ug/L	09/19/10	08:05	
RL LCSW-1	2203/1	8.79222	8.21937	9.36508	9.21426	ug/L	09/19/10	08:05	
RL LCSW-1	2203/2	11.04052	13.70192	8.37912	34.09063	ug/L	09/19/10	08:05	
RL LCSW-1	1960/1	25.35722	27.05960	23.65484	9.49446	ug/L	09/19/10	08:05	
RL LCSW-1	1960/2	23.34370	20.12687	26.56054	19.48832	ug/L	09/19/10	08:05	
RL LCSW-1	Y	934.76910	934.67742	934.86077	0.01386		09/19/10	08:05	
CCV	Ag	487.01727	487.26547	486.76907	0.07207	ug/L	09/19/10	08:09	
CCV	Al	4867.92968	4856.79638	4879.06347	0.32344	ug/L	09/19/10	08:09	
CCV	2Al	4.86804	4.85723	4.87884	0.31392	mg/L	09/19/10	08:09	
CCV	As	492.30401	490.01528	494.59271	0.65746	ug/L	09/19/10	08:09	
CCV	B	4876.33007	4866.42480	4886.23583	0.28727	ug/L	09/19/10	08:09	
CCV	Ba	4871.32910	4867.50927	4875.14843	0.11088	ug/L	09/19/10	08:09	
CCV	Be	490.30157	490.10757	490.49557	0.05595	ug/L	09/19/10	08:09	
CCV	Ca	4900.00830	4895.00000	4905.01660	0.14454	ug/L	09/19/10	08:09	
CCV	Cd	499.26025	498.41397	500.10656	0.23972	ug/L	09/19/10	08:09	
CCV	Co	488.77484	487.84713	489.70251	0.26841	ug/L	09/19/10	08:09	
CCV	Cr	4950.64843	4944.80908	4956.48779	0.16680	ug/L	09/19/10	08:09	
CCV	Cu	4832.97705	4826.81738	4839.13671	0.18024	ug/L	09/19/10	08:09	
CCV	Fe	4858.24804	4838.72998	4877.76611	0.56816	ug/L	09/19/10	08:09	
CCV	2Fe	4.85850	4.83898	4.87802	0.56810	mg/L	09/19/10	08:09	
CCV	K	9882.17480	9876.47656	9887.87304	0.08154	ug/L	09/19/10	08:09	
CCV	Mg	5006.05371	5001.97070	5010.13720	0.11535	ug/L	09/19/10	08:09	
CCV	2Mg	5.00605	5.00196	5.01013	0.11528	mg/L	09/19/10	08:09	
CCV	Mn	4942.48437	4937.92285	4947.04638	0.13052	ug/L	09/19/10	08:09	
CCV	Mo	500.24902	499.46383	501.03417	0.22196	ug/L	09/19/10	08:09	
CCV	Na	7511.55175	7453.85693	7569.24609	1.08622	ug/L	09/19/10	08:09	
CCV	Ni	2484.45166	2488.15576	2480.74780	0.21084	ug/L	09/19/10	08:09	
CCV	Pb	502.85659	503.64889	502.06430	0.22282	ug/L	09/19/10	08:09	
CCV	Se	4974.09619	4976.31396	4971.87841	0.06305	ug/L	09/19/10	08:09	
CCV	Sb	492.76660	491.58306	493.95010	0.33966	ug/L	09/19/10	08:09	
CCV	Sn	5004.40234	4994.98144	5013.82373	0.26623	ug/L	09/19/10	08:09	
CCV	Sr	2473.38330	2469.70361	2477.06323	0.21040	ug/L	09/19/10	08:09	
CCV	Ti	487.64990	487.15716	488.14260	0.14289	ug/L	09/19/10	08:09	
CCV	Tl	5026.05957	5013.20214	5038.91650	0.36177	ug/L	09/19/10	08:09	
CCV	V	4896.76171	4893.75292	4899.77001	0.08688	ug/L	09/19/10	08:09	
CCV	Zn	2459.00415	2457.50927	2460.49902	0.08597	ug/L	09/19/10	08:09	
CCV	2203/1	500.57546	501.77572	499.37521	0.33909	ug/L	09/19/10	08:09	
CCV	2203/2	503.99121	504.57983	503.40255	0.16517	ug/L	09/19/10	08:09	
CCV	1960/1	4933.40917	4913.75781	4953.06005	0.56332	ug/L	09/19/10	08:09	
CCV	1960/2	4994.40917	5007.54541	4981.27343	0.37195	ug/L	09/19/10	08:09	
CCV	Y	907.50531	907.43109	907.57952	0.01156		09/19/10	08:09	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.27486	-0.63895	0.08922	187.33110	ug/L	09/19/10	08:14	
CCB	Al	2.92639	4.02403	1.82875	53.04459	ug/L	09/19/10	08:14	
CCB	2Al	0.00292	0.00402	0.00182	53.04460	mg/L	09/19/10	08:14	
CCB	As	-2.83912	-3.63611	-2.04213	39.69951	ug/L	09/19/10	08:14	
CCB	B	23.43559	26.43324	20.43793	18.08926	ug/L	09/19/10	08:14	
CCB	Ba	-0.15317	-0.20332	-0.10302	46.29796	ug/L	09/19/10	08:14	
CCB	Be	0.00832	-0.01092	0.02757	327.09423	ug/L	09/19/10	08:14	
CCB	Ca	-1.15816	-1.98554	-0.33078	101.02996	ug/L	09/19/10	08:14	
CCB	Cd	-0.32975	-0.45425	-0.20525	53.39402	ug/L	09/19/10	08:14	
CCB	Co	-1.38561	-1.16719	-1.60403	22.29280	ug/L	09/19/10	08:14	
CCB	Cr	-0.29045	-0.22898	-0.35192	29.93093	ug/L	09/19/10	08:14	
CCB	Cu	-0.78859	-0.86130	-0.71587	13.04023	ug/L	09/19/10	08:14	
CCB	Fe	-1.86409	2.66238	-6.39057	343.40499	ug/L	09/19/10	08:14	
CCB	2Fe	-0.00186	0.00266	-0.00639	343.33123	mg/L	09/19/10	08:14	
CCB	K	3.04268	3.10201	2.98336	2.75756	ug/L	09/19/10	08:14	
CCB	Mg	-1.63515	-1.63576	-1.63453	0.05329	ug/L	09/19/10	08:14	
CCB	2Mg	-0.00163	-0.00163	-0.00163	0.11996	mg/L	09/19/10	08:14	
CCB	Mn	-0.06196	-0.00599	-0.11793	127.72952	ug/L	09/19/10	08:14	
CCB	Mo	0.82313	-0.00097	1.64724	141.58877	ug/L	09/19/10	08:14	
CCB	Na	-86.88722	-327.11816	153.34371	391.01016	ug/L	09/19/10	08:14	
CCB	Ni	0.59198	0.72451	0.45946	31.65875	ug/L	09/19/10	08:14	
CCB	Pb	-1.36736	-0.81005	-1.92467	57.64024	ug/L	09/19/10	08:14	
CCB	Se	3.46540	3.12143	3.80936	14.03694	ug/L	09/19/10	08:14	
CCB	Sb	-1.71899	-1.73038	-1.70759	0.93726	ug/L	09/19/10	08:14	
CCB	Sn	-1.15534	-1.85214	-0.45853	85.29318	ug/L	09/19/10	08:14	
CCB	Sr	-0.06341	-0.04511	-0.08170	40.79691	ug/L	09/19/10	08:14	
CCB	Ti	0.00334	-0.18185	0.18853	7833.48486	ug/L	09/19/10	08:14	
CCB	Tl	4.65274	-3.03598	12.34147	233.70097	ug/L	09/19/10	08:14	
CCB	V	0.31681	-0.01242	0.64606	146.96896	ug/L	09/19/10	08:14	
CCB	Zn	-0.12344	-0.09319	-0.15370	34.65781	ug/L	09/19/10	08:14	
CCB	2203/1	-2.60288	-3.62517	-1.58058	55.54420	ug/L	09/19/10	08:14	
CCB	2203/2	-0.75053	0.59539	-2.09646	253.60990	ug/L	09/19/10	08:14	
CCB	1960/1	-1.43213	-1.90435	-0.95991	46.63105	ug/L	09/19/10	08:14	
CCB	1960/2	5.91049	5.63056	6.19042	6.69793	ug/L	09/19/10	08:14	
CCB	Y	909.16406	908.60095	909.72711	0.08758		09/19/10	08:14	
61322-1 1/10 180221	Ag	0.56351	0.61529	0.51174	12.99240	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Al	782.18487	846.76049	717.60925	11.67546	ug/L	09/19/10	08:19	
61322-1 1/10 180221	2Al	0.78226	0.84684	0.71767	11.67546	mg/L	09/19/10	08:19	
61322-1 1/10 180221	As	7.11726	9.33189	4.90264	44.00499	ug/L	09/19/10	08:19	
61322-1 1/10 180221	B	33.97178	36.33481	31.60875	9.83707	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Ba	249.07894	269.58175	228.57615	11.64102	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Be	0.01373	0.00677	0.02070	71.69101	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Ca	79176.28125	85716.43750	72636.13281	11.68174	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Cd	16.37277	17.50743	15.23812	9.80066	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Co	13.37717	14.45225	12.30210	11.36552	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Cr	1705.37097	1844.17150	1566.57043	11.51031	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Cu	69.12854	74.64435	63.61273	11.28409	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Fe	155751.03125	168374.21875	143127.84375	11.46180	ug/L	09/19/10	08:19	
61322-1 1/10 180221	2Fe	155.73089	168.34570	143.11608	11.45567	mg/L	09/19/10	08:19	
61322-1 1/10 180221	K	1025.28735	1116.43115	934.14355	12.57177	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Mg	2972.43457	3217.42578	2727.44360	11.65609	ug/L	09/19/10	08:19	
61322-1 1/10 180221	2Mg	2.94470	3.18744	2.70196	11.65792	mg/L	09/19/10	08:19	
61322-1 1/10 180221	Mn	1080.54248	1168.87634	992.20867	11.56112	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Mo	4.87066	6.56964	3.17169	49.33029	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Na	6723.75488	7527.13769	5920.37158	16.89763	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Ni	61.42241	66.81574	56.02909	12.41780	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Pb	3619.77392	3956.33496	3283.21313	13.14913	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Se	1.56210	-0.42413	3.54833	179.81942	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Sb	10.60269	13.79069	7.41469	42.52231	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Sn	3.21839	2.33796	4.09882	38.68733	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Sr	78.40132	84.95589	71.84674	11.82322	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Ti	82.37492	89.20016	75.54969	11.71757	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Tl	2.88030	4.57213	1.18848	83.06763	ug/L	09/19/10	08:19	
61322-1 1/10 180221	V	57.94567	61.64913	54.24222	9.03858	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Zn	26128.79492	28208.96093	24048.62890	11.25883	ug/L	09/19/10	08:19	
61322-1 1/10 180221	2203/1	3447.55395	3707.37231	3187.73559	10.65795	ug/L	09/19/10	08:19	
61322-1 1/10 180221	2203/2	3705.75488	4080.62939	3330.88037	14.30619	ug/L	09/19/10	08:19	
61322-1 1/10 180221	1960/1	3.17386	-0.11935	6.46708	146.73979	ug/L	09/19/10	08:19	
61322-1 1/10 180221	1960/2	0.75742	-0.57629	2.09114	249.02264	ug/L	09/19/10	08:19	
61322-1 1/10 180221	Y	900.87487	901.80895	899.94079	0.14663		09/19/10	08:19	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61322-2 1/10	Ag	0.39654	0.39738	0.39570	0.29975	ug/L	09/19/10	08:23	
61322-2 1/10	Al	1007.21948	1029.27478	985.16418	3.09673	ug/L	09/19/10	08:23	
61322-2 1/10	2Al	1.00731	1.02937	0.98526	3.09672	mg/L	09/19/10	08:23	
61322-2 1/10	As	5.26978	5.74847	4.79109	12.84629	ug/L	09/19/10	08:23	
61322-2 1/10	B	33.68869	34.14782	33.22955	1.92739	ug/L	09/19/10	08:23	
61322-2 1/10	Ba	75.34296	76.63435	74.05157	2.42398	ug/L	09/19/10	08:23	
61322-2 1/10	Be	0.04677	0.01606	0.07748	92.84172	ug/L	09/19/10	08:23	
61322-2 1/10	Ca	51943.92187	52891.64453	50996.19921	2.58024	ug/L	09/19/10	08:23	
61322-2 1/10	Cd	30.63415	31.06263	30.20568	1.97802	ug/L	09/19/10	08:23	
61322-2 1/10	Co	11.58540	11.13552	12.03528	5.49165	ug/L	09/19/10	08:23	
61322-2 1/10	Cr	1087.96093	1108.82983	1067.09216	2.71268	ug/L	09/19/10	08:23	
61322-2 1/10	Cu	78.39976	79.94189	76.85764	2.78176	ug/L	09/19/10	08:23	
61322-2 1/10	Fe	211033.78125	214864.79687	207202.75000	2.56730	ug/L	09/19/10	08:23	
61322-2 1/10	2Fe	211.00856	214.83195	207.18516	2.56250	mg/L	09/19/10	08:23	
61322-2 1/10	K	1211.32885	1230.84960	1191.80810	2.27902	ug/L	09/19/10	08:23	
61322-2 1/10	Mg	2182.02709	2221.58276	2142.47143	2.56367	ug/L	09/19/10	08:23	
61322-2 1/10	2Mg	2.14489	2.18378	2.10601	2.56370	mg/L	09/19/10	08:23	
61322-2 1/10	Mn	1298.01696	1322.12524	1273.90869	2.62664	ug/L	09/19/10	08:23	
61322-2 1/10	Mo	6.92556	7.63697	6.21414	14.52720	ug/L	09/19/10	08:23	
61322-2 1/10	Na	15279.33398	15403.74707	15154.91992	1.15153	ug/L	09/19/10	08:23	
61322-2 1/10	Ni	47.70191	47.97420	47.42963	0.80725	ug/L	09/19/10	08:23	
61322-2 1/10	Pb	2601.84667	2647.33911	2556.35400	2.47271	ug/L	09/19/10	08:23	
61322-2 1/10	Se	6.70653	4.87203	8.54103	38.68429	ug/L	09/19/10	08:23	
61322-2 1/10	Sb	11.27361	9.52161	13.02561	21.97784	ug/L	09/19/10	08:23	
61322-2 1/10	Sn	4.92409	3.10566	6.74253	52.22592	ug/L	09/19/10	08:23	
61322-2 1/10	Sr	51.71086	52.74514	50.67657	2.82862	ug/L	09/19/10	08:23	
61322-2 1/10	Ti	164.68316	168.15214	161.21418	2.97897	ug/L	09/19/10	08:23	
61322-2 1/10	Tl	8.07675	10.93667	5.21683	50.07633	ug/L	09/19/10	08:23	
61322-2 1/10	V	50.29347	50.91237	49.67458	1.74027	ug/L	09/19/10	08:23	
61322-2 1/10	Zn	116065.56250	117934.09375	114197.03906	2.27672	ug/L	09/19/10	08:23	
61322-2 1/10	2203/1	2574.85888	2620.40747	2529.31030	2.50170	ug/L	09/19/10	08:23	
61322-2 1/10	2203/2	2615.32031	2660.78491	2569.85571	2.45846	ug/L	09/19/10	08:23	
61322-2 1/10	1960/1	3.44186	6.94209	-0.05836	143.81945	ug/L	09/19/10	08:23	
61322-2 1/10	1960/2	8.33641	3.83855	12.83428	76.30308	ug/L	09/19/10	08:23	
61322-2 1/10	Y	917.64959	916.15240	919.14678	0.23073		09/19/10	08:23	
61322-3 1/10	Ag	-0.09273	-0.06683	-0.11863	39.49822	ug/L	09/19/10	08:28	
61322-3 1/10	Al	2508.08251	2588.24072	2427.92456	4.51981	ug/L	09/19/10	08:28	
61322-3 1/10	2Al	2.50822	2.58827	2.42816	4.51385	mg/L	09/19/10	08:28	
61322-3 1/10	As	3.10291	6.50802	-0.30219	155.19429	ug/L	09/19/10	08:28	
61322-3 1/10	B	22.94561	24.43056	21.46066	9.15224	ug/L	09/19/10	08:28	
61322-3 1/10	Ba	147.75122	152.56922	142.93322	4.61159	ug/L	09/19/10	08:28	
61322-3 1/10	Be	0.04414	0.04421	0.04408	0.21839	ug/L	09/19/10	08:28	
61322-3 1/10	Ca	28353.64257	29222.99218	27484.29296	4.33611	ug/L	09/19/10	08:28	
61322-3 1/10	Cd	8.76539	9.17163	8.35916	6.55420	ug/L	09/19/10	08:28	
61322-3 1/10	Co	5.81679	6.07153	5.56205	6.19337	ug/L	09/19/10	08:28	
61322-3 1/10	Cr	2063.37646	2128.35083	1998.40185	4.45327	ug/L	09/19/10	08:28	
61322-3 1/10	Cu	27.62919	28.31090	26.94747	3.48939	ug/L	09/19/10	08:28	
61322-3 1/10	Fe	50644.59765	52181.20703	49107.98828	4.29086	ug/L	09/19/10	08:28	
61322-3 1/10	2Fe	50.63743	52.17166	49.10321	4.28482	mg/L	09/19/10	08:28	
61322-3 1/10	K	1314.94848	1363.36645	1266.53039	5.20730	ug/L	09/19/10	08:28	
61322-3 1/10	Mg	2158.36523	2226.33740	2090.39282	4.45371	ug/L	09/19/10	08:28	
61322-3 1/10	2Mg	2.14899	2.21668	2.08130	4.45440	mg/L	09/19/10	08:28	
61322-3 1/10	Mn	316.42880	326.24874	306.60885	4.38882	ug/L	09/19/10	08:28	
61322-3 1/10	Mo	2.46401	2.50284	2.42517	2.22899	ug/L	09/19/10	08:28	
61322-3 1/10	Na	12990.44531	13506.36621	12474.52539	5.61660	ug/L	09/19/10	08:28	
61322-3 1/10	Ni	20.32738	20.33439	20.32037	0.04874	ug/L	09/19/10	08:28	
61322-3 1/10	Pb	4357.88183	4509.66601	4206.09716	4.92568	ug/L	09/19/10	08:28	
61322-3 1/10	Se	4.04328	4.77666	3.30990	25.65118	ug/L	09/19/10	08:28	
61322-3 1/10	Sb	3495.08300	3592.24316	3397.92285	3.93138	ug/L	09/19/10	08:28	
61322-3 1/10	Sn	8.42204	9.41913	7.42495	16.74299	ug/L	09/19/10	08:28	
61322-3 1/10	Sr	52.85012	54.60467	51.09558	4.69498	ug/L	09/19/10	08:28	
61322-3 1/10	Ti	757.11724	780.44012	733.79437	4.35646	ug/L	09/19/10	08:28	
61322-3 1/10	Tl	0.15668	-1.91046	2.22383	1865.79235	ug/L	09/19/10	08:28	
61322-3 1/10	V	23.25487	23.55408	22.95565	1.81962	ug/L	09/19/10	08:28	
61322-3 1/10	Zn	45641.14062	46955.70703	44326.57031	4.07325	ug/L	09/19/10	08:28	
61322-3 1/10	2203/1	4270.51269	4369.39990	4171.62548	3.27472	ug/L	09/19/10	08:28	
61322-3 1/10	2203/2	4401.50048	4579.69384	4223.30712	5.72539	ug/L	09/19/10	08:28	
61322-3 1/10	1960/1	-4.00610	-5.04764	-2.96455	36.76814	ug/L	09/19/10	08:28	
61322-3 1/10	1960/2	8.06194	9.68145	6.44243	28.40913	ug/L	09/19/10	08:28	
61322-3 1/10	Y	912.50756	912.61669	912.39849	0.01690		09/19/10	08:28	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61322-4 1/10	Ag	0.11418	0.14055	0.08781	32.66400	ug/L	09/19/10	08:32	
61322-4 1/10	Al	2723.70239	2770.49487	2676.90991	2.42958	ug/L	09/19/10	08:32	
61322-4 1/10	2Al	2.72375	2.77054	2.67695	2.42974	mg/L	09/19/10	08:32	
61322-4 1/10	As	6.99687	6.05134	7.94240	19.11114	ug/L	09/19/10	08:32	
61322-4 1/10	B	20.67336	20.75391	20.59282	0.55099	ug/L	09/19/10	08:32	
61322-4 1/10	Ba	802.16833	818.17596	786.16076	2.82212	ug/L	09/19/10	08:32	
61322-4 1/10	Be	0.02205	0.01314	0.03097	57.15110	ug/L	09/19/10	08:32	
61322-4 1/10	Ca	51212.83203	52198.45703	50227.20703	2.72174	ug/L	09/19/10	08:32	
61322-4 1/10	Cd	25.46726	26.12360	24.81092	3.64468	ug/L	09/19/10	08:32	
61322-4 1/10	Co	5.43087	4.92377	5.93796	13.20493	ug/L	09/19/10	08:32	
61322-4 1/10	Cr	1196.44970	1219.34460	1173.55493	2.70618	ug/L	09/19/10	08:32	
61322-4 1/10	Cu	34.83390	35.39007	34.27771	2.25802	ug/L	09/19/10	08:32	
61322-4 1/10	Fe	28189.17187	28731.62109	27646.72265	2.72139	ug/L	09/19/10	08:32	
61322-4 1/10	2Fe	28.18538	28.72722	27.64354	2.71869	mg/L	09/19/10	08:32	
61322-4 1/10	K	703.66870	710.58880	696.74859	1.39078	ug/L	09/19/10	08:32	
61322-4 1/10	Mg	2343.73120	2391.71435	2295.74804	2.89531	ug/L	09/19/10	08:32	
61322-4 1/10	2Mg	2.33823	2.38611	2.29035	2.89568	mg/L	09/19/10	08:32	
61322-4 1/10	Mn	264.65829	269.89059	259.42599	2.79590	ug/L	09/19/10	08:32	
61322-4 1/10	Mo	1.32150	-1.40990	4.05291	292.30209	ug/L	09/19/10	08:32	
61322-4 1/10	Na	7352.68017	7616.07666	7089.28369	5.06616	ug/L	09/19/10	08:32	
61322-4 1/10	Ni	22.10517	22.28066	21.92968	1.12272	ug/L	09/19/10	08:32	
61322-4 1/10	Pb	2193.83593	2250.31225	2137.35961	3.64063	ug/L	09/19/10	08:32	
61322-4 1/10	Se	4.47262	4.55286	4.39238	2.53724	ug/L	09/19/10	08:32	
61322-4 1/10	Sb	7469.98046	7612.54101	7327.42041	2.69894	ug/L	09/19/10	08:32	
61322-4 1/10	Sn	12.04436	14.33719	9.75154	26.92165	ug/L	09/19/10	08:32	
61322-4 1/10	Sr	148.88729	151.83818	145.93643	2.80290	ug/L	09/19/10	08:32	
61322-4 1/10	Ti	585.62963	596.77038	574.48889	2.69033	ug/L	09/19/10	08:32	
61322-4 1/10	Tl	5.55529	4.67162	6.43895	22.49546	ug/L	09/19/10	08:32	
61322-4 1/10	V	33.49626	33.59474	33.39777	0.41580	ug/L	09/19/10	08:32	
61322-4 1/10	Zn	84850.18750	86489.58593	83210.78125	2.73242	ug/L	09/19/10	08:32	
61322-4 1/10	2203/1	2167.52368	2209.96191	2125.08544	2.76890	ug/L	09/19/10	08:32	
61322-4 1/10	2203/2	2206.97241	2270.45727	2143.48754	4.06806	ug/L	09/19/10	08:32	
61322-4 1/10	1960/1	1.47499	2.43916	0.51083	92.44338	ug/L	09/19/10	08:32	
61322-4 1/10	1960/2	5.96919	5.60813	6.33024	8.55408	ug/L	09/19/10	08:32	
61322-4 1/10	Y	913.96551	911.96197	915.96905	0.31001		09/19/10	08:32	
RL ICP	Ag	10.08713	10.01356	10.16070	1.03142	ug/L	09/19/10	08:41	
RL ICP	Al	210.31781	214.81010	205.82550	3.02070	ug/L	09/19/10	08:41	
RL ICP	2Al	0.21033	0.21483	0.20584	3.02069	mg/L	09/19/10	08:41	
RL ICP	As	19.35330	18.06542	20.64118	9.41098	ug/L	09/19/10	08:41	
RL ICP	B	109.84554	111.03186	108.65922	1.52733	ug/L	09/19/10	08:41	
RL ICP	Ba	9.81392	9.78929	9.83855	0.35492	ug/L	09/19/10	08:41	
RL ICP	Be	3.92198	3.92711	3.91685	0.18502	ug/L	09/19/10	08:41	
RL ICP	Ca	498.05886	497.98501	498.13272	0.02097	ug/L	09/19/10	08:41	
RL ICP	Cd	5.10069	5.17388	5.02750	2.02930	ug/L	09/19/10	08:41	
RL ICP	Co	9.67744	9.50635	9.84853	2.50028	ug/L	09/19/10	08:41	
RL ICP	Cr	10.36642	10.00383	10.72900	4.94641	ug/L	09/19/10	08:41	
RL ICP	Cu	21.10205	21.51858	20.68551	2.79154	ug/L	09/19/10	08:41	
RL ICP	Fe	48.89528	49.49333	48.29723	1.72976	ug/L	09/19/10	08:41	
RL ICP	2Fe	0.04889	0.04949	0.04829	1.72946	mg/L	09/19/10	08:41	
RL ICP	K	995.35009	994.90905	995.79113	0.06266	ug/L	09/19/10	08:41	
RL ICP	Mg	507.76025	510.90002	504.62051	0.87448	ug/L	09/19/10	08:41	
RL ICP	2Mg	0.50761	0.51075	0.50447	0.87445	mg/L	09/19/10	08:41	
RL ICP	Mn	9.91050	9.92054	9.90046	0.14323	ug/L	09/19/10	08:41	
RL ICP	Mo	9.40401	10.85137	7.95666	21.76590	ug/L	09/19/10	08:41	
RL ICP	Na	888.22802	962.79058	813.66540	11.87166	ug/L	09/19/10	08:41	
RL ICP	Ni	41.53694	42.08108	40.99280	1.85263	ug/L	09/19/10	08:41	
RL ICP	Pb	9.14489	7.35542	10.93435	27.67325	ug/L	09/19/10	08:41	
RL ICP	Se	25.13714	23.53250	26.74178	9.02769	ug/L	09/19/10	08:41	
RL ICP	Sb	26.18872	26.27690	26.10054	0.47618	ug/L	09/19/10	08:41	
RL ICP	Sn	51.48348	51.72658	51.24038	0.66777	ug/L	09/19/10	08:41	
RL ICP	Sr	10.11816	10.11119	10.12514	0.09750	ug/L	09/19/10	08:41	
RL ICP	Ti	9.93216	9.98174	9.88258	0.70596	ug/L	09/19/10	08:41	
RL ICP	Tl	27.73805	28.34738	27.12873	3.10662	ug/L	09/19/10	08:41	
RL ICP	V	10.17880	10.18150	10.17610	0.03752	ug/L	09/19/10	08:41	
RL ICP	Zn	21.61717	21.74465	21.48970	0.83394	ug/L	09/19/10	08:41	
RL ICP	2203/1	9.45281	6.18667	12.71895	48.86400	ug/L	09/19/10	08:41	
RL ICP	2203/2	8.99116	7.93892	10.04339	16.55055	ug/L	09/19/10	08:41	
RL ICP	1960/1	25.08845	27.56699	22.60991	13.97131	ug/L	09/19/10	08:41	
RL ICP	1960/2	25.16143	21.51825	28.80460	20.47666	ug/L	09/19/10	08:41	
RL ICP	Y	914.87341	914.51989	915.22698	0.05465		09/19/10	08:41	

D091810

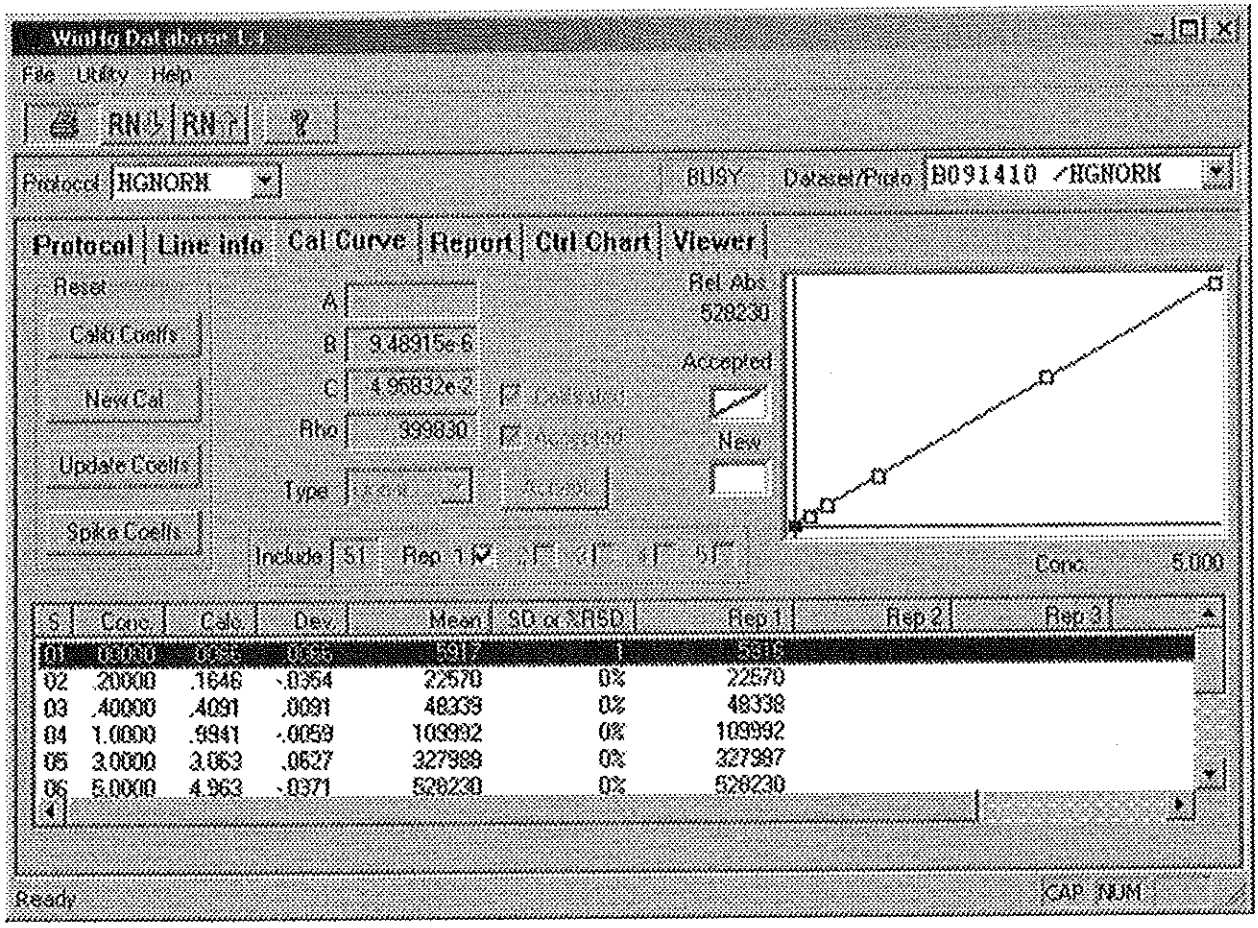
SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP	Ag	9.86345	10.28070	9.44620	5.98251	ug/L	09/19/10	08:49	
RL ICP	Al	209.96429	210.93728	208.99130	0.65535	ug/L	09/19/10	08:49	
RL ICP	2Al	0.20998	0.21095	0.20901	0.65536	mg/L	09/19/10	08:49	
RL ICP	As	19.57840	17.25813	21.89868	16.76012	ug/L	09/19/10	08:49	
RL ICP	B	108.01854	107.41782	108.61927	0.78648	ug/L	09/19/10	08:49	
RL ICP	Ba	9.71175	9.81770	9.60581	1.54273	ug/L	09/19/10	08:49	
RL ICP	Be	3.91824	3.91650	3.91998	0.06283	ug/L	09/19/10	08:49	
RL ICP	Ca	495.90844	496.02081	495.79608	0.03204	ug/L	09/19/10	08:49	
RL ICP	Cd	4.88294	4.99343	4.77244	3.20020	ug/L	09/19/10	08:49	
RL ICP	Co	9.61856	9.89592	9.34121	4.07796	ug/L	09/19/10	08:49	
RL ICP	Cr	9.91238	10.02337	9.80140	1.58343	ug/L	09/19/10	08:49	
RL ICP	Cu	20.00112	19.83090	20.17134	1.20357	ug/L	09/19/10	08:49	
RL ICP	Fe	59.87706	69.10918	50.64495	21.80497	ug/L	09/19/10	08:49	
RL ICP	2Fe	0.05987	0.06910	0.05064	21.80373	mg/L	09/19/10	08:49	
RL ICP	K	991.91595	1004.29284	979.53906	1.76462	ug/L	09/19/10	08:49	
RL ICP	Mg	503.55249	502.02908	505.07589	0.42784	ug/L	09/19/10	08:49	
RL ICP	2Mg	0.50340	0.50187	0.50492	0.42828	mg/L	09/19/10	08:49	
RL ICP	Mn	9.82682	9.94195	9.71169	1.65684	ug/L	09/19/10	08:49	
RL ICP	Mo	10.45520	11.30690	9.60351	11.52035	ug/L	09/19/10	08:49	
RL ICP	Na	999.68139	1118.98120	880.38165	16.87691	ug/L	09/19/10	08:49	
RL ICP	Ni	40.61508	39.92286	41.30729	2.41029	ug/L	09/19/10	08:49	
RL ICP	Pb	8.96538	7.80455	10.12621	18.31108	ug/L	09/19/10	08:49	
RL ICP	Se	25.37403	21.96924	28.77882	18.97649	ug/L	09/19/10	08:49	
RL ICP	Sb	19.49360	21.14954	17.83766	12.01342	ug/L	09/19/10	08:49	
RL ICP	Sn	51.73221	50.71699	52.74744	2.77532	ug/L	09/19/10	08:49	
RL ICP	Sr	10.09050	10.12666	10.05434	0.50679	ug/L	09/19/10	08:49	
RL ICP	Ti	9.62999	9.71358	9.54639	1.22761	ug/L	09/19/10	08:49	
RL ICP	Tl	26.72309	26.78218	26.66399	0.31272	ug/L	09/19/10	08:49	
RL ICP	V	10.45713	10.62379	10.29046	2.25398	ug/L	09/19/10	08:49	
RL ICP	Zn	21.03093	21.21157	20.85029	1.21470	ug/L	09/19/10	08:49	
RL ICP	2203/1	9.60428	7.87799	11.33058	25.41937	ug/L	09/19/10	08:49	
RL ICP	2203/2	8.64641	7.76789	9.52492	14.36911	ug/L	09/19/10	08:49	
RL ICP	1960/1	25.28633	20.99505	29.57761	24.00027	ug/L	09/19/10	08:49	
RL ICP	1960/2	25.41779	22.45557	28.38000	16.48136	ug/L	09/19/10	08:49	
RL ICP	Y	911.80480	909.21203	914.39764	0.40214		09/19/10	08:49	
ICSA61	Ag	0.45508	0.59320	0.31697	42.91928	ug/L	09/19/10	08:54	
ICSA61	Al	515161.43750	515564.59375	514758.31250	0.11066	ug/L	09/19/10	08:54	
ICSA61	2Al	515.16772	515.58569	514.74975	0.11473	mg/L	09/19/10	08:54	
ICSA61	As	-5.69662	-9.26032	-2.13291	88.47062	ug/L	09/19/10	08:54	
ICSA61	B	22.49907	23.36093	21.63722	5.41730	ug/L	09/19/10	08:54	
ICSA61	Ba	0.67098	0.64276	0.69920	5.94805	ug/L	09/19/10	08:54	
ICSA61	Be	0.09810	0.07694	0.11926	30.49673	ug/L	09/19/10	08:54	
ICSA61	Ca	527653.87500	528284.37500	527023.31250	0.16899	ug/L	09/19/10	08:54	
ICSA61	Cd	-0.20633	0.08507	-0.49773	199.73121	ug/L	09/19/10	08:54	
ICSA61	Co	0.41854	0.43437	0.40272	5.34591	ug/L	09/19/10	08:54	
ICSA61	Cr	1.41212	1.58923	1.23501	17.73763	ug/L	09/19/10	08:54	
ICSA61	Cu	1.73573	1.99174	1.47971	20.85958	ug/L	09/19/10	08:54	
ICSA61	Fe	188399.01562	188545.59375	188252.43750	0.11002	ug/L	09/19/10	08:54	
ICSA61	2Fe	188.36895	188.52084	188.21705	0.11403	mg/L	09/19/10	08:54	
ICSA61	K	-8.78706	-13.78708	-3.78703	80.47181	ug/L	09/19/10	08:54	
ICSA61	Mg	523856.68750	524456.56250	523256.81250	0.16194	ug/L	09/19/10	08:54	
ICSA61	2Mg	523.63220	524.24725	523.01708	0.16611	mg/L	09/19/10	08:54	
ICSA61	Mn	-1.32784	-1.31293	-1.34275	1.58846	ug/L	09/19/10	08:54	
ICSA61	Mo	-1.28364	-1.49360	-1.07367	23.13200	ug/L	09/19/10	08:54	
ICSA61	Na	-163.17462	-49.72314	-276.62609	98.32694	ug/L	09/19/10	08:54	
ICSA61	Ni	0.02813	0.03453	0.02173	32.17377	ug/L	09/19/10	08:54	
ICSA61	Pb	-3.71328	-5.27314	-2.15341	59.40775	ug/L	09/19/10	08:54	
ICSA61	Se	9.39822	10.42356	8.37289	15.42885	ug/L	09/19/10	08:54	
ICSA61	Sb	-1.72815	-1.78802	-1.66829	4.89900	ug/L	09/19/10	08:54	
ICSA61	Sn	3.62772	4.81708	2.43836	46.36546	ug/L	09/19/10	08:54	
ICSA61	Sr	2.34944	2.36001	2.33887	0.63632	ug/L	09/19/10	08:54	
ICSA61	Ti	1.68879	1.77034	1.60725	6.82872	ug/L	09/19/10	08:54	
ICSA61	Tl	4.13268	4.79754	3.46782	22.75163	ug/L	09/19/10	08:54	
ICSA61	V	-7.68618	-7.89544	-7.47693	3.85017	ug/L	09/19/10	08:54	
ICSA61	Zn	4.93904	4.92226	4.95581	0.48025	ug/L	09/19/10	08:54	
ICSA61	2203/1	79.27369	81.71754	76.82984	4.35974	ug/L	09/19/10	08:54	
ICSA61	2203/2	-45.14455	-48.70327	-41.58584	11.14815	ug/L	09/19/10	08:54	
ICSA61	1960/1	7.68433	6.43123	8.93744	23.06196	ug/L	09/19/10	08:54	
ICSA61	1960/2	10.25389	12.41673	8.09104	29.82988	ug/L	09/19/10	08:54	
ICSA61	Y	865.79772	863.37951	868.21594	0.39499		09/19/10	08:54	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB61	Ag	205.23135	204.45581	206.00691	0.53441	ug/L	09/19/10	08:58	
ICSAB61	Al	511452.53125	510492.46875	512412.59375	0.26546	ug/L	09/19/10	08:58	
ICSAB61	2Al	511.46368	510.52316	512.40417	0.26005	mg/L	09/19/10	08:58	
ICSAB61	As	99.18635	97.94338	100.42932	1.77224	ug/L	09/19/10	08:58	
ICSAB61	B	22.26923	22.44782	22.09065	1.13409	ug/L	09/19/10	08:58	
ICSAB61	Ba	517.01385	516.47741	517.55029	0.14673	ug/L	09/19/10	08:58	
ICSAB61	Be	504.49343	503.74487	505.24200	0.20984	ug/L	09/19/10	08:58	
ICSAB61	Ca	522826.56250	522259.59375	523393.53125	0.15336	ug/L	09/19/10	08:58	
ICSAB61	Cd	974.70251	975.12762	974.27740	0.06167	ug/L	09/19/10	08:58	
ICSAB61	Co	470.37561	469.87335	470.87783	0.15100	ug/L	09/19/10	08:58	
ICSAB61	Cr	488.59390	488.53204	488.65576	0.01790	ug/L	09/19/10	08:58	
ICSAB61	Cu	520.63909	519.72467	521.55352	0.24838	ug/L	09/19/10	08:58	
ICSAB61	Fe	187528.78125	187277.06250	187780.48437	0.18982	ug/L	09/19/10	08:58	
ICSAB61	2Fe	187.50064	187.25613	187.74514	0.18441	mg/L	09/19/10	08:58	
ICSAB61	K	-8.67192	-18.92973	1.58588	167.28392	ug/L	09/19/10	08:58	
ICSAB61	Mg	519758.15625	519020.18750	520496.12500	0.20079	ug/L	09/19/10	08:58	
ICSAB61	2Mg	519.53955	518.82208	520.25695	0.19529	mg/L	09/19/10	08:58	
ICSAB61	Mn	488.97808	488.25271	489.70343	0.20978	ug/L	09/19/10	08:58	
ICSAB61	Mo	987.81042	979.59783	996.02294	1.17576	ug/L	09/19/10	08:58	
ICSAB61	Na	-93.83033	-198.37678	10.71611	157.57270	ug/L	09/19/10	08:58	
ICSAB61	Ni	942.25463	939.99542	944.51385	0.33908	ug/L	09/19/10	08:58	
ICSAB61	Pb	45.85596	45.90785	45.80407	0.16002	ug/L	09/19/10	08:58	
ICSAB61	Se	56.98941	55.55318	58.42564	3.56406	ug/L	09/19/10	08:58	
ICSAB61	Sb	606.79223	610.28857	603.29589	0.81487	ug/L	09/19/10	08:58	
ICSAB61	Sn	980.62780	983.56958	977.68603	0.42424	ug/L	09/19/10	08:58	
ICSAB61	Sr	2.32676	2.36286	2.29067	2.19373	ug/L	09/19/10	08:58	
ICSAB61	Ti	1.84007	1.66564	2.01451	13.40637	ug/L	09/19/10	08:58	
ICSAB61	Tl	102.25173	100.55575	103.94772	2.34566	ug/L	09/19/10	08:58	
ICSAB61	V	485.23944	486.49447	483.98437	0.36578	ug/L	09/19/10	08:58	
ICSAB61	Zn	955.44348	953.11743	957.76947	0.34428	ug/L	09/19/10	08:58	
ICSAB61	2203/1	127.85235	133.21206	122.49263	5.92854	ug/L	09/19/10	08:58	
ICSAB61	2203/2	4.91923	2.32119	7.51727	74.69016	ug/L	09/19/10	08:58	
ICSAB61	1960/1	49.69477	56.52948	42.86005	19.45022	ug/L	09/19/10	08:58	
ICSAB61	1960/2	60.63126	55.06575	66.19676	12.98144	ug/L	09/19/10	08:58	
ICSAB61	Y	857.33398	854.12573	860.54229	0.52922		09/19/10	08:58	
CCV	Ag	488.56134	488.67584	488.44683	0.03314	ug/L	09/19/10	09:05	
CCV	Al	4869.42089	4870.09960	4868.74218	0.01971	ug/L	09/19/10	09:05	
CCV	2Al	4.86964	4.87010	4.86918	0.01335	mg/L	09/19/10	09:05	
CCV	As	498.38244	497.81710	498.94778	0.16042	ug/L	09/19/10	09:05	
CCV	B	4891.56054	4880.17480	4902.94628	0.32917	ug/L	09/19/10	09:05	
CCV	Ba	4870.43554	4866.74169	4874.12988	0.10726	ug/L	09/19/10	09:05	
CCV	Be	492.82360	492.51620	493.13104	0.08821	ug/L	09/19/10	09:05	
CCV	Ca	4924.33203	4925.63232	4923.03173	0.03734	ug/L	09/19/10	09:05	
CCV	Cd	501.78820	501.39660	502.17977	0.11036	ug/L	09/19/10	09:05	
CCV	Co	492.37506	492.43399	492.31613	0.01692	ug/L	09/19/10	09:05	
CCV	Cr	4987.78710	4985.14013	4990.43408	0.07505	ug/L	09/19/10	09:05	
CCV	Cu	4844.55957	4843.39746	4845.72216	0.03393	ug/L	09/19/10	09:05	
CCV	Fe	4869.34375	4863.40039	4875.28710	0.17261	ug/L	09/19/10	09:05	
CCV	2Fe	4.86960	4.86366	4.87554	0.17258	mg/L	09/19/10	09:05	
CCV	K	9861.28515	9866.80566	9855.76464	0.07916	ug/L	09/19/10	09:05	
CCV	Mg	5039.93017	5041.42480	5038.43554	0.04193	ug/L	09/19/10	09:05	
CCV	2Mg	5.03992	5.04142	5.03843	0.04192	mg/L	09/19/10	09:05	
CCV	Mn	4969.38037	4967.43798	4971.32275	0.05527	ug/L	09/19/10	09:05	
CCV	Mo	500.83380	499.56466	502.10296	0.35837	ug/L	09/19/10	09:05	
CCV	Na	7345.67480	7115.08398	7576.26562	4.43941	ug/L	09/19/10	09:05	
CCV	Ni	2496.06347	2491.59008	2500.53686	0.25345	ug/L	09/19/10	09:05	
CCV	Pb	507.61254	507.75173	507.47338	0.03877	ug/L	09/19/10	09:05	
CCV	Se	4976.92382	4967.28369	4986.56396	0.27392	ug/L	09/19/10	09:05	
CCV	Sb	491.96734	489.24472	494.69000	0.78265	ug/L	09/19/10	09:05	
CCV	Sn	5045.48437	5042.27539	5048.69287	0.08993	ug/L	09/19/10	09:05	
CCV	Sr	2474.68090	2472.27099	2477.09082	0.13771	ug/L	09/19/10	09:05	
CCV	Ti	488.93701	488.72473	489.14926	0.06139	ug/L	09/19/10	09:05	
CCV	Tl	5055.87792	5061.09863	5050.65722	0.14603	ug/L	09/19/10	09:05	
CCV	V	4921.61035	4923.66796	4919.55224	0.05913	ug/L	09/19/10	09:05	
CCV	Zn	2464.19824	2460.75463	2467.64184	0.19762	ug/L	09/19/10	09:05	
CCV	2203/1	508.89202	506.98663	510.79742	0.52951	ug/L	09/19/10	09:05	
CCV	2203/2	506.96948	508.12939	505.80957	0.32356	ug/L	09/19/10	09:05	
CCV	1960/1	4967.17138	4955.03417	4979.30859	0.34556	ug/L	09/19/10	09:05	
CCV	1960/2	4981.79296	4973.39941	4990.18652	0.23827	ug/L	09/19/10	09:05	
CCV	Y	907.58825	908.39141	906.78509	0.12514		09/19/10	09:05	

D091810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.06766	0.13578	-0.27111	425.20578	ug/L	09/19/10	09:10	
CCB	Al	2.93373	3.99017	1.87728	50.92610	ug/L	09/19/10	09:10	
CCB	2Al	0.00293	0.00399	0.00187	50.92610	mg/L	09/19/10	09:10	
CCB	As	-1.89932	-1.62822	-2.17042	20.18558	ug/L	09/19/10	09:10	
CCB	B	22.06162	24.57853	19.54471	16.13414	ug/L	09/19/10	09:10	
CCB	Ba	-0.09319	0.06752	-0.25390	243.88833	ug/L	09/19/10	09:10	
CCB	Be	0.02475	0.03913	0.01037	82.13265	ug/L	09/19/10	09:10	
CCB	Ca	-0.94046	-0.63813	-1.24279	45.46289	ug/L	09/19/10	09:10	
CCB	Cd	0.03012	0.17024	-0.10998	657.72741	ug/L	09/19/10	09:10	
CCB	Co	0.06854	0.04073	0.09634	57.37323	ug/L	09/19/10	09:10	
CCB	Cr	-0.19146	0.00922	-0.39216	148.23722	ug/L	09/19/10	09:10	
CCB	Cu	0.27099	-0.12239	0.66437	205.29302	ug/L	09/19/10	09:10	
CCB	Fe	3.56417	5.80224	1.32610	88.80353	ug/L	09/19/10	09:10	
CCB	2Fe	0.00356	0.00580	0.00132	88.80355	mg/L	09/19/10	09:10	
CCB	K	4.75297	13.28904	-3.78309	253.98472	ug/L	09/19/10	09:10	
CCB	Mg	-3.01814	-4.46860	-1.56768	67.96442	ug/L	09/19/10	09:10	
CCB	2Mg	-0.00301	-0.00446	-0.00156	67.96759	mg/L	09/19/10	09:10	
CCB	Mn	-0.03278	0.00381	-0.06939	157.89013	ug/L	09/19/10	09:10	
CCB	Mo	1.22939	0.84606	1.61271	44.09503	ug/L	09/19/10	09:10	
CCB	Na	-325.85888	-358.24169	-293.47610	14.05399	ug/L	09/19/10	09:10	
CCB	Ni	-0.26512	0.99871	-1.52896	674.14801	ug/L	09/19/10	09:10	
CCB	Pb	0.20628	-0.22084	0.63341	292.82684	ug/L	09/19/10	09:10	
CCB	Se	3.03644	3.40042	2.67245	16.95246	ug/L	09/19/10	09:10	
CCB	Sb	-1.98823	0.67676	-4.65323	189.55915	ug/L	09/19/10	09:10	
CCB	Sn	1.95159	5.44746	-1.54426	253.32519	ug/L	09/19/10	09:10	
CCB	Sr	-0.06693	-0.08841	-0.04545	45.37334	ug/L	09/19/10	09:10	
CCB	Ti	0.08200	0.17217	-0.00816	155.49407	ug/L	09/19/10	09:10	
CCB	Tl	1.03894	-2.21914	4.29702	443.49267	ug/L	09/19/10	09:10	
CCB	V	0.36667	0.85083	-0.11748	186.73495	ug/L	09/19/10	09:10	
CCB	Zn	-0.06780	-0.03798	-0.09762	62.19683	ug/L	09/19/10	09:10	
CCB	2203/1	1.05294	-0.55528	2.66116	216.00160	ug/L	09/19/10	09:10	
CCB	2203/2	-0.21640	-0.05388	-0.37893	106.21047	ug/L	09/19/10	09:10	
CCB	1960/1	2.58824	0.05762	5.11885	138.27287	ug/L	09/19/10	09:10	
CCB	1960/2	3.26020	5.06932	1.45108	78.47593	ug/L	09/19/10	09:10	
CCB	Y	929.64025	929.09020	930.19024	0.08367		09/19/10	09:10	


File Utility Help
Protocol HGNORM
BUSY
Dataset/Plate B091410 /HGNORM
Protocol
Line Info
Cal Curve
Report
Ctrl Chart
Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 9.48915e-6
C 4.95832e-2
Rho .999830
Type
Rel Abs
528230
Accepted
New
Include
Rep 1
Conc. 5.000
S Conc Calc Dev Mean SD or %RSD Rep 1 Rep 2 Rep 3
02 .20000 .1646 -.0354 22570 0% 22570
03 .40000 .4091 .0091 48339 0% 48339
04 1.0000 .9941 -.0059 109992 0% 109992
05 3.0000 3.063 .0627 327999 0% 327997
06 5.0000 4.963 -.0371 528230 0% 528230
Ready
CAP NUM

Folder: B091410
14:37:31 14 Sep 2010 Protocol: HGNORM

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  1       14:37:31 14 Sep 10   HG

Hg    .0000   ppb      5916

*** Standard: 2 Rep: 1              Seq:  2       14:40:31 14 Sep 10   HG

Hg    .2000   ppb      22570

*** Standard: 3 Rep: 1              Seq:  3       14:43:22 14 Sep 10   HG

Hg    .4000   ppb      48338

*** Standard: 4 Rep: 1              Seq:  4       14:46:16 14 Sep 10   HG

Hg    1.000   ppb      109992

*** Standard: 5 Rep: 1              Seq:  5       14:50:22 14 Sep 10   HG

Hg    3.000   ppb      327987

*** Standard: 6 Rep: 1              Seq:  6       14:53:34 14 Sep 10   HG

Hg    5.000   ppb      528230

*** Check Standard: 3  Ck3ICV       Seq:  7       14:57:32 14 Sep 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           91.27    3.651   4.000  ppb        .0000 %

*** Check Standard: 4  Ck4ICB       Seq:  8       15:00:22 14 Sep 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg       L  -58.67   -.0587   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  9       15:10:09 14 Sep 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           101.7    3.052   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  10      15:13:01 14 Sep 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg       L  -34.04   -.0340   .1000  ppb        .0000 %

*** Sample ID: 0.20 RL    B091410    Seq:  11     15:16:02 14 Sep 10   HG

Hg    .1434   ppb       .0000 %   .1434

*** Sample ID: PBW        B091410    Seq:  12     15:19:41 14 Sep 10   HG
                           7470 CE 179730
Hg   -.0489   ppb       .0000 %  -.0489

*** Sample ID: LCS        B091410    Seq:  13     15:22:44 14 Sep 10   HG
                           7470 CE 179730
Hg    2.494   ppb       .0000 %   2.494

*** Sample ID: 61149-2    B091410    Seq:  14     15:25:37 14 Sep 10   HG
                           7470 CE 179730
Hg   -.0650   ppb       .0000 %  -.0650
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 61149-4    B091410    Seq:  15     15:28:36 14 Sep 10   HG
                           7470 CE 179730
Hg   -.0257   ppb       .0000 %  -.0257

*** Sample ID: 61149-6    B091410    Seq:  16     15:31:34 14 Sep 10   HG
                           7470 CE 179730
Hg   -.0383   ppb       .0000 %  -.0383

*** Sample ID: 61149-8    B091410    Seq:  17     15:34:26 14 Sep 10   HG
                           7470 CE 179730
Hg   -.0406   ppb       .0000 %  -.0406

*** Sample ID: 61149-8D   B091410    Seq:  18     15:37:25 14 Sep 10   HG
                           7470 CE 179730
Hg   -.0297   ppb       .0000 %  -.0297

*** Sample ID: 61149-8S   B091410    Seq:  19     15:40:14 14 Sep 10   HG
                           7470 CE 179730
Hg    1.000   ppb       .0000 %   1.000

*** Check Standard: 7  Ck7CCV       Seq:  20     15:43:15 14 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          104.2    3.126   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  21     15:46:05 14 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -46.75   -.0467   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  22     17:15:49 14 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.3    3.039   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  23     17:19:45 14 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -18.46   -.0185   .1000  ppb        .0000 %

*** Sample ID: MB 179745  B091410    Seq:  24     17:23:51 14 Sep 10   HG
                           7471 CE 179745
Hg   -.0137   ppb       .0000 %  -.0137

*** Sample ID: LCS 179745 B091410    Seq:  25     17:27:05 14 Sep 10   HG
                           7471 CE 179745
Hg    2.271   ppb       .0000 %   2.271

*** Sample ID: 61109-1    B091410    Seq:  26     17:29:54 14 Sep 10   HG
                           7471 CE 179745
Hg   -.0295   ppb       .0000 %  -.0295

*** Sample ID: 61109-2    B091410    Seq:  27     17:32:46 14 Sep 10   HG
                           7471 CE 179745
Hg    .5053   ppb       .0000 %   .5053

*** Sample ID: 61109-2MS  B091410    Seq:  28     17:35:44 14 Sep 10   HG
                           7471 CE 179745
Hg    1.309   ppb       .0000 %   1.309
```

Folder: B091410
17:38:37 14 Sep 2010 Protocol: HGNORM

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 61109-2MSD B091410 Seq: 29 17:38:37 14 Sep 10 HG
7471 CE 179745

Hg	1.536	ppb	.0000 %	1.536				

*** Sample ID: 61109-3 B091410 Seq: 30 17:41:46 14 Sep 10 HG
7471 CE 179745

Hg	.0085	ppb	.0000 %	.0085				

*** Sample ID: 61109-4 B091410 Seq: 31 17:44:39 14 Sep 10 HG
7471 CE 179745

Hg	.0064	ppb	.0000 %	.0064				

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 61151-11              Seq:  46     18:31:16 14 Sep 10   HG
                            7471 CE 179745
Hg    1.913   ppb       .0000 %   1.913

*** Sample ID: 61151-12              Seq:  47     18:34:07 14 Sep 10   HG
                            7471 CE 179745
Hg    2.609   ppb       .0000 %   2.609

*** Sample ID: 61151-13              Seq:  48     18:36:56 14 Sep 10   HG
                            7471 CE 179745
Hg    .0243   ppb       .0000 %   .0243

*** Sample ID: 61151-14              Seq:  49     18:40:10 14 Sep 10   HG
                            7471 CE 179745
Hg    .0887   ppb       .0000 %   .0887

*** Sample ID: 61151-15              Seq:  50     18:43:10 14 Sep 10   HG
                            7471 CE 179745
Hg    .0974   ppb       .0000 %   .0974

*** Sample ID: 61154-1               Seq:  51     18:46:10 14 Sep 10   HG
                            7471 CE 179745
Hg    .0690   ppb       .0000 %   .0690

*** Check Standard: 7  Ck7CCV        Seq:  52     18:49:10 14 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          105.5    3.166   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  53     18:52:21 14 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -49.81   -.0498   .1000  ppb        .0000 %
```

Metals Worksheet

Batch Number: 680-179745
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Sep 13 2010 1:05PM
Batch End: Sep 13 2010 2:00PM

Lab ID	Client ID	Method Chain	Basis	Target Amount of Sample to Use	Initial weight/volume of sample	Final weight/volume of sample	Hg_Int_Cal_00048
MB~680-179745/1		7471B, 7471B			0.53 g	50 mL	
LCS~680-179745/2		7471B, 7471B			0.53 g	50 mL	0.25 mL
680-61109-A-1			T	56.9393 g	0.52 g	50 mL	
680-61109-A-2			T	55.2986 g	0.50 g	50 mL	
680-61109-A-2~MS		7471B, 7471B	T	56.5254 g	0.54 g	50 mL	0.10 mL
680-61109-A-2~MSD		7471B, 7471B	T	54.7597 g	0.54 g	50 mL	0.10 mL
680-61109-A-3			T	55.2032 g	0.53 g	50 mL	
680-61109-A-4			T	54.4023 g	0.51 g	50 mL	
680-61151-D-1			T		0.52 g	50 mL	
680-61151-D-2			T		0.55 g	50 mL	
680-61151-D-3			T		0.52 g	50 mL	
680-61151-D-4			T		0.54 g	50 mL	
680-61151-D-5			T		0.54 g	50 mL	
680-61151-D-6			T		0.55 g	50 mL	
680-61151-D-7			T		0.55 g	50 mL	
680-61151-D-8			T		0.53 g	50 mL	
680-61151-D-9			T		0.53 g	50 mL	
680-61151-D-10			T		0.51 g	50 mL	
680-61151-D-11			T		0.53 g	50 mL	
680-61151-D-12			T		0.51 g	50 mL	
680-61151-D-13			T		0.50 g	50 mL	
680-61151-D-14			T		0.51 g	50 mL	
680-61151-D-15			T		0.51 g	50 mL	
680-61154-A-1	IV-B82-GTM4-01	7471B, 7471B	T		0.54 g	50 mL	

Acid used for pH adjustment:	N/A	Potassium Permanganate Lot Number:	1959851
Nominal Amount Used:	50 g	Sulfuric Acid Lot Number:	1920588
SOP Number:	ME 28	Hydroxylamine Sulfate Lot Number:	1959852
Digestion Tube/Cup Lot #:	1005282	Potassium Persulfate Lot Number:	1959850
Hot Block ID number:	HF-6	Stannous Chloride Lot Number:	N/A
Hood ID or number:	HF-6	Oven, Bath or Block Temperature 1:	92 %
Balance ID:	7	Oven, Bath or Block Temperature 2:	90 %
Blank Soil Lot Number:	P_SOIL 0001	NaCL Lot #:	1483774
Lot # of Nitric Acid:	1907877	Aqua Regia Lot Number:	1950570
ID number of the thermometer:	MEWB2B	Hydroxylamine Hydrochloride Lot:	1914492
Lot # of hydrochloric acid:	1907836		

Metals Worksheet

Batch Number: 680-179745
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Sep 13 2010 1:05PM
Batch End: Sep 13 2010 2:00PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-179745/1		7471B, 7471B		
LCS~680-179745/2		7471B, 7471B		
680-61109-A-1			T	
680-61109-A-2			T	
680-61109-A-2~MS		7471B, 7471B	T	
680-61109-A-2~MSD		7471B, 7471B	T	
680-61109-A-3			T	
680-61109-A-4			T	
680-61151-D-1			T	
680-61151-D-2			T	
680-61151-D-3			T	
680-61151-D-4			T	
680-61151-D-5			T	
680-61151-D-6			T	
680-61151-D-7			T	
680-61151-D-8			T	
680-61151-D-9			T	
680-61151-D-10			T	
680-61151-D-11			T	
680-61151-D-12			T	
680-61151-D-13			T	
680-61151-D-14			T	
680-61151-D-15			T	
680-61154-A-1	IV-B82-GTM4-01	7471B, 7471B	T	

Batch Comment: N/A

Metals Worksheet

Batch Number: 680-180221
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Sep 17 2010 10:00AM
Batch End: Sep 17 2010 1:45PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	P_Spike1_00052	P_SPIKEII_00023	P_TEFLONCH_00007
680-61322-A-1			T	1.00 g	100 mL			
680-61322-A-2			T	1.02 g	100 mL			
680-61322-A-3			T	1.04 g	100 mL			
680-61322-A-4			T	1.00 g	100 mL			
680-61283-B-1			T	1.05 g	100 mL			
680-61154-A-1	IV-B82-GTM4-01	3050B, 6010C	T	1.06 g	100 mL			
680-61154-A-1~MS	IV-B82-GTM4-01	3050B, 6010C	T	1.06 g	100 mL	1.0 mL	1.0 mL	
680-61154-A-1~MSD	IV-B82-GTM4-01	3050B, 6010C	T	1.06 g	100 mL	1.0 mL	1.0 mL	
MB~680-180221/9		3050B, 6010C		1.00 g	100 mL			1.00 g
LCS~680-180221/10		3050B, 6010C		1.00 g	100 mL	1.0 mL	1.0 mL	1.00 g

Nominal Amount Used:	1.0 g
Digestion Tube/Cup Lot #:	1001171
Blank Soil Lot Number:	P-TEFLONCH-00007
Balance ID:	8
Hood ID or number:	FH-8
Hot Block ID number:	9
Lot # of hydrochloric acid:	H45A18
Lot # of Nitric Acid:	J10024
Logbook ID for diluted Nitric:	N/A
Hydrogen peroxide lot number:	50153024
ID number of the thermometer:	MESD1
Temperature:	94 Degrees C
Acid used for pH adjustment:	N/A
Pipette ID:	PREP-20
Analyst:	HM
First Start time:	N/A
First End time:	N/A
Person's name who witnessed reagent drop:	N/A
Oven, Bath or Block Temperature 1:	94 Degrees C
Oven, Bath or Block Temperature 2:	N/A Degrees C

Metals Worksheet

Batch Number: 680-180221
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Sep 17 2010 10:00AM
Batch End: Sep 17 2010 1:45PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
680-61322-A-1			T	
680-61322-A-2			T	
680-61322-A-3			T	
680-61322-A-4			T	
680-61283-B-1			T	
680-61154-A-1	IV-B82-GTM4-01	3050B, 6010C	T	
680-61154-A-1~MS	IV-B82-GTM4-01	3050B, 6010C	T	
680-61154-A-1~MSD	IV-B82-GTM4-01	3050B, 6010C	T	
MB~680-180221/9		3050B, 6010C		
LCS~680-180221/10		3050B, 6010C		

Batch Comment: N/A

Chain Of Custody Form

TA-GA

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 2.9
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: Proj. Name: South Weymouth - B82
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 67743 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
IV-B82-GTM4-01	9/10/10	930	TAL Metals		X						S	1	G		67743-1

9/10/10

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
- [ ] 24hr*
- [ ] 48hr*
- [x] 72hr*
- [ ] 5 Days*
- [ ]

*Fee may apply; lab approval required

Comments / Instructions:

Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements
*Fee may apply

Report Type:
- [ ] MCP*
- [ ] CTRCP*
- [x] DOD*
- [ ] Standard
- [ ] Level II*
- [ ] Level III*
- [x] Level IV*

State:
- [ ] NH
- [x] MA
- [ ] ME
- [ ] CT
- [ ] RI
- Other:

State Standard: (eg. S-1 or GW-1)

EDD Required: Y* N
Type: Tetra Tech

	Relinquished By Sampler:	Relinquished By:	Relinquished By:
Received By:	CP 9/10/10	UPS	Patricia Dougherty
Time:		530	1036
Date:		9/10/10	9/10/10

Page 1 of 1 680-61154

Analytics\AEL Documents\AEL COC

9/10
09/28/2010

CHAIN OF CUSTODIES

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:COC.doc

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 5 06/18/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 3.2°
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: JBB 9/10/10

Project#: Proj. Name: South Weymouth - B82
Company: Tetra Tech Inc.
Contact: Brian Corbett (617) 470-8651
Address: 133 Federal Street
Boston, MA 02110
Phone: 1-617-457-8200 PO# Quote #
Sampler (Signature): Paul W Anderson

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
IV-B82-GTM4-01	9-10-10	0930	TCL VOC		✓				✓	✓	S	4	40ml		67743-1
IV-B82-GTM4-01	"	"	TAL Metals		✓						S	1	4oz		
IV-B82-GTM4-01	"	"	EPH		✓						S	1	4oz		
IV-B82-GTM4-01	"	"	VPH-98-1		✓				✓		S	2	40ml		
* ~~Trip Blank~~ CP 9/10/10															JRB 9/10/10

Received By: Paul W Anderson Time: 1345 Date: 9-10-10
Received By: Time: Date: 091010
Received By: Time: Date:
Relinquished By: Paul W Anderson
Relinquished By:
Relinquished By:

Email Results to:

Turnaround Time (TAT)
- [ ] 24hr*
- [x] 48hr*
- [x] 72hr*
- [ ] 5 Days*
- [ ] 10 Days

*Fee may apply; lab approval required

Comments / Instructions:
* No trip blank present, waiting for ok from Brian - CP 9/10/10
Diss. Pb samples field filtered.
* OK from Brian, see email KEZ 09/14/10

TCL VOC
EPH
VPH

TAL Metals

Project Requirements:
*Fee may apply

Report Type:
- [ ] MCP*
- [ ] Level II*
- [ ] CTRCP*
- [ ] Level III*
- [ ] DOD*
- [ ] Level IV*
- [ ] Standard

State:
- [ ] NH
- [ ] MA
- [ ] ME
- [ ] CT
- [ ] RI

Other:

State Standard: (eg. S-1 or GW-1)

EDD Required: Y* N
Type:

Analytics\AEL Documents\AEL COC

Page ____ of ____

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 67743

CLIENT: TTMA

PROJECT: South Weymouth - BSA

COOLER NUMBER: 79

NUMBER OF COOLERS: 1

DATE RECEIVED: 9/10/10

A: PRELIMINARY EXAMINATION:

DATE COOLER OPENED: 9/10/10

1. Cooler received by(initials): IA

Date Received: 9/10/10

2. Circle one: Hand delivered (If so, skip 3) Shipped

3. Did cooler come with a shipping slip? Y N/A

3a. Enter carrier name and airbill number here: _____

4. Were custody seals on the outside of cooler? Y N
How many & where: — Seal Date: — Seal Name: —

5. Did the custody seals arrive unbroken and intact upon arrival? Y N/A

6. COC#: N/A

7. Were Custody papers filled out properly (ink,signed, etc)? Y N

8. Were custody papers sealed in a plastic bag? Y N

9. Did you sign the COC in the appropriate place? Y N

10. Was the project identifiable from the COC papers? Y N

11. Was enough ice used to chill the cooler? Y N Temp. of cooler: 3.2°

B. Log-In: Date samples were logged in: 9/10/10 By: CP

12. Type of packing in cooler(bubble wrap, popcorn) Y N

13. Were all bottles sealed in separate plastic bags? Y N - EPH and TAL Mets not in baggies

14. Did all bottles arrive unbroken and were labels in good condition? Y N

15. Were all bottle labels complete(ID,Date,time,etc.) Y N

16. Did all bottle labels agree with custody papers? Y N

17. Were the correct containers used for the tests indicated: Y N

18. Were samples received at the correct pH? Y N/A

19. Was sufficient amount of sample sent for the tests indicated? Y N

20. Were bubbles absent in VOA samples? Y N/A

If NO, List Sample ID's and Lab #s: _____

21. Laboratory labeling verified by (initials): JBB Date: 9/10/10

C:ANLYTICS LLC\AEL DOCUMENTS\FORMS\SMPL CHKLST\Edit 4908 Rev. 2, 4/13/10

From: Kate Zaleski <kzaleski@analyticslab.com>
Subject: **Fwd: trip blank**
Date: September 14, 2010 3:20:41 PM EDT
To: Casey Payne <cpayne@analyticslab.com>

Kate Zaleski
Project Manager
Analytics Environmental Lab, LLC
195 Commerce Way, Suite E
Portsmouth, NH 03801
phone: (603) 436-5111
fax: (603) 430-2151
kzaleski@analyticslab.com

Begin forwarded message:

> **From:** "Corbett, Brian" <Brian.Corbett@tetratech.com>
> **Date:** September 14, 2010 3:18:00 PM EDT
> **To:** Kate Zaleski <kzaleski@analyticslab.com>
> **Cc:** "Craigie, Keir" <Keir.Craigie@tetratech.com>, "Anderson, Paul" <Paul.Anderson@tetratech.com>
> **Subject: RE: trip blank**
>
> Thanks Kate:
>
> If it wasn't there u should cross off. Keir will this make the data VOC data unusable? o just a note in the data validation?
>
> Brian D. Corbett I Project Manager
> Direct: 617.443.7517 Cell: 617.470.8651
> brian.corbett@tteci.com
>
> Tetra Tech EC I Engineering
> 160 Federal Street, 3rd floor I Boston, MA 02110 I www.tetratech.com
>
> PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.
> Think Green - Not every email needs to be printed.
>
> -----Original Message-----
> From: Kate Zaleski [mailto:kzaleski@analyticslab.com]
> Sent: Tuesday, September 14, 2010 2:06 PM
> To: Corbett, Brian
> Subject: trip blank
>
> Brian,
> I just talked with Casey about the message she left. It is actually different from what you and I discussed. She left you a message because we did not receive a trip blank that was on the COC on Fri 09/10/10. So she wanted to confirm that it is ok to cross off the COC since we did not receive it and she is preparing the report package today.
>
> Thanks,

Kate

Kate Zaleski
Project Manager
Analytics Environmental Lab, LLC
195 Commerce Way, Suite E
Portsmouth, NH 03801
phone: (603) 436-5111
fax: (603) 430-2151
kzaleski@analyticslab.com

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

September 28, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston, MA 02110

RE: Analytical Results Case Narrative
Analytics # 67799
NAS-SOWEY Piping &Soil
South Weymouth, MA

Dear Mr. Corbett:

Enclosed please find the analytical results for samples collected from the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Method 8270C.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level IV package has been assembled in the following order:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- Summary Report
- PAH Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- PAH Form 2 Surrogate Recoveries
- PAH Form 3 MS/MSD (LCS) Recoveries
- PAH Form 4 Method Blank Summary (equiv.) GC Logbook Sheets
- PAH Form 5 DFTPP Tune Summaries
- PAH Form 6 Initial Calibration Data
- PAH Form 7 Continuing Calibration Check
- PAH Form 8 Internal Standard Summary
- Chain of Custody (COC) Forms and Sample Data Receipt Checklist AEL

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No exceptions.

PAHs by EPA Methods 8270C:
2-Fluorobiphenyl, d14-p-terphenyl, Benzo[a]anthracene and Benzo[b] fluoranthene used quadratic fit for quantitation.

The laboratory control samples (L091610SIMASE/LD091610SIMASE) had several analytes with high RPDS. The MS/MSD analyzed on sample 67799-1 was in control for all analyte recoveries and RPDs. Results were reported without qualification.

If you have any questions or I can be of further assistance, please do not hesitate to contact me.

Sincerely
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

Report Number: 67799

Revision: Rev. 0

Re: NAS SOWEY Piping & Soil (Project No: 106-2282)

Enclosed are the results of the analyses on your sample(s). Samples were received on 16 September 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
67799-1	09/15/10	C-B82-DC-B-1	EPA 8270 (PAH only)	
67799-2	09/15/10	C-B82-DC-B-2	EPA 8270 (PAH only)	
67799-3	09/15/10	C-B82-DC-B-3	EPA 8270 (PAH only)	
67799-4	09/15/10	C-B82-DC-B-4	Electronic Data Deliverable	
	09/15/10	C-B82-DC-B-4	EPA 8270 (PAH only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 09/20/2010

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

Summary Report

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY Piping & Soil

Project Number: 106-2282

Field Sample ID:

SAMPLE DATA

Lab Sample ID: B091610SIMASE
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date: N/A
Lab Receipt Date: N/A
Extraction Date: 09/16/10
Analysis Date: 09/18/10

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	7	U
Acenaphthylene	7	U
Acenaphthene	7	U
Fluorene	7	U
Phenanthrene	7	U
Anthracene	7	U
Fluoranthene	7	U
Pyrene	7	U
Benzo[a]anthracene	7	U
Chrysene	7	U
Benzo[b] fluoranthene	7	U
Benzo[k] fluoranthene	7	U
Benzo[a] pyrene	7	U
Dibenz [a,h] anthracene	7	U
Benzo(g,h,i) perylene	7	U
Indeno [1,2,3-cd] pyrene	7	U
2-Methylnaphthalene	7	U

Surrogate Standard Recovery

d5-nitrobenzene	70	%	2-Fluorobiphenyl	77	%	d14-p-terphenyl	98	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

SAMPLE DATA

Lab Sample ID:	67799-1
Matrix:	Solid
Percent Solid:	92
Dilution Factor:	1.1
Collection Date:	09/15/10
Lab Receipt Date:	09/16/10
Extraction Date:	09/16/10
Analysis Date:	09/18/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY Piping & Soil
Project Number:	106-2282
Field Sample ID:	C-B82-DC-B-1

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	7	U
Acenaphthylene	7	U
Acenaphthene	7	U
Fluorene	7	U
Phenanthrene	7	**5.9 J**
Anthracene	7	U
Fluoranthene	7	**10**
Pyrene	7	**8.8**
Benzo[a]anthracene	7	**4.9 J**
Chrysene	7	**4.2 J**
Benzo[b] fluoranthene	7	**6.2 J**
Benzo[k] fluoranthene	7	U
Benzo[a] pyrene	7	**4.2 J**
Dibenz [a,h] anthracene	7	U
Benzo(g,h,i) perylene	7	**4.2 J**
Indeno [1,2,3-cd] pyrene	7	U
2-Methylnaphthalene	7	U

Surrogate Standard Recovery

d5-nitrobenzene	70	%	2-Fluorobiphenyl	83	%	d14-p-terphenyl	89	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

SAMPLE DATA

Lab Sample ID: 67799-2
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.0
Collection Date: 09/15/10
Lab Receipt Date: 09/16/10
Extraction Date: 09/16/10
Analysis Date: 09/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY Piping & Soil

Project Number: 106-2282

Field Sample ID: C-B82-DC-B-2

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	7	U
Acenaphthylene	7	U
Acenaphthene	7	U
Fluorene	7	U
Phenanthrene	7	**12**
Anthracene	7	U
Fluoranthene	7	**8.4**
Pyrene	7	**7.2**
Benzo[a]anthracene	7	U
Chrysene	7	U
Benzo[b] fluoranthene	7	U
Benzo[k] fluoranthene	7	U
Benzo[a] pyrene	7	U
Dibenz [a,h] anthracene	7	U
Benzo(g,h,i) perylene	7	U
Indeno [1,2,3-cd] pyrene	7	U
2-Methylnaphthalene	7	U

Surrogate Standard Recovery

d5-nitrobenzene	72	%	2-Fluorobiphenyl	85	%	d14-p-terphenyl	101	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

SAMPLE DATA

Lab Sample ID:	67799-3
Matrix:	Solid
Percent Solid:	86
Dilution Factor:	1.1
Collection Date:	09/15/10
Lab Receipt Date:	09/16/10
Extraction Date:	09/16/10
Analysis Date:	09/18/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY Piping & Soil
Project Number:	106-2282
Field Sample ID:	C-B82-DC-B-3

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	8	**14**
Acenaphthylene	8	**13**
Acenaphthene	8	**15**
Fluorene	8	**19**
Phenanthrene	8	**98**
Anthracene	8	**29**
Fluoranthene	8	**207**
Pyrene	8	**229**
Benzo[a]anthracene	8	**80**
Chrysene	8	**98**
Benzo[b] fluoranthene	8	**162**
Benzo[k] fluoranthene	8	**43**
Benzo[a] pyrene	8	**88**
Dibenz [a,h] anthracene	8	**17**
Benzo(g,h,i) perylene	8	**80**
Indeno [1,2,3-cd] pyrene	8	**104**
2-Methylnaphthalene	8	**33**

Surrogate Standard Recovery

d5-nitrobenzene	75	%	2-Fluorobiphenyl	86	%	d14-p-terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

SAMPLE DATA

Lab Sample ID: 67799-4
Matrix: Solid
Percent Solid: 84
Dilution Factor: 1.1
Collection Date: 09/15/10
Lab Receipt Date: 09/16/10
Extraction Date: 09/16/10
Analysis Date: 09/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY Piping & Soil

Project Number: 106-2282

Field Sample ID: C-B82-DC-B-4

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	8	U
Acenaphthylene	8	U
Acenaphthene	8	U
Fluorene	8	U
Phenanthrene	8	**11**
Anthracene	8	U
Fluoranthene	8	**30**
Pyrene	8	**26**
Benzo[a]anthracene	8	**12**
Chrysene	8	**13**
Benzo[b] fluoranthene	8	**19**
Benzo[k] fluoranthene	8	**6.7 J**
Benzo[a] pyrene	8	**14**
Dibenz [a,h] anthracene	8	U
Benzo(g,h,i) perylene	8	**11**
Indeno [1,2,3-cd] pyrene	8	**14**
2-Methylnaphthalene	8	U

Surrogate Standard Recovery

d5-nitrobenzene	75	%	2-Fluorobiphenyl	86	%	d14-p-terphenyl	101	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis.

Authorized signature

SEMIVOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67799

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B091610SIMASE	70		77		98	
L091610SIMASE	60		70		93	
LD091610SIMASE	49		55		68	
67799-1	70		83		89	
67799-1,MS	75		83		90	
67799-1,MSD	77		88		102	
67799-2	72		85		101	
67799-3	75		86		95	
67799-4	75		86		101	

		Lower Limit	Upper Limit
SMC #1 =	d5-nitrobenzene	35	100
SMC #2 =	2-Fluorobiphenyl	45	105
SMC #3 =	d14-p-terphenyl	30	125

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

SVOA SIM FORM 2

SEMIVOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67799
Non-spiked sample: B091610SIMASE
Spike: L091610SIMASE
Spike duplicate: LD091610SIMASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	333	333	40	105	25	0	196	59		161	48		20	
2-Methylnaphthalene	333	333	45	105	25	0	199	60		156	47		25	
2-Chloronaphthalene	333	333	30	130	25	0	228	68		179	54		24	
Acenaphthylene	333	333	45	105	25	0	243	73		189	57		25	*
Acenaphthene	333	333	45	110	25	0	224	67		174	52		25	*
Fluorene	333	333	50	110	25	0	236	71		183	55		25	*
Phenanthrene	333	333	50	110	25	0	245	74		181	55		30	*
Anthracene	333	333	55	105	25	0	255	77		191	57		29	*
Fluoranthene	333	333	50	115	25	0	295	88		220	66		29	*
Pyrene	333	333	45	125	25	0	286	86		213	64		29	*
Benzo[a]anthracene	333	333	50	110	25	0	296	89		211	63		34	*
Chrysene	333	333	55	110	25	0	268	81		201	60		29	*
Benzo[b] fluoranthene	333	333	45	115	25	0	330	99		225	68		38	*
Benzo[k] fluoranthene	333	333	45	125	25	0	288	86		221	66		26	*
Benzo[a] pyrene	333	333	50	110	25	0	307	92		221	66		32	*
Indeno [1,2,3-cd] pyrene	333	333	40	120	25	0	320	96		224	67		35	*
Dibenz [a,h] anthracene	333	333	40	125	25	0	305	92		222	67		32	*
Benzo(g,h,i) perylene	333	333	40	125	25	0	293	88		213	64		32	*

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

SVOA SIM FORM 3

SEMIVOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67799
Non-spiked sample: 67799-1
Spike: 67799-1,MS
Spike duplicate: 67799-1,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	342	343	40	105	25	0	261	76		256	75		2	
2-Methylnaphthalene	342	343	45	105	25	0	260	76		264	77		2	
2-Chloronaphthalene	342	343	30	130	25	0	276	81		291	85		5	
Acenaphthylene	342	343	45	105	25	0	292	85		308	90		5	
Acenaphthene	342	343	45	110	25	0	269	79		290	85		7	
Fluorene	342	343	50	110	25	0	279	81		300	87		7	
Phenanthrene	342	343	50	110	25	6	268	77		292	84		9	
Anthracene	342	343	55	105	25	0	276	81		304	89		10	
Fluoranthene	342	343	50	115	25	10	303	86		332	94		9	
Pyrene	342	343	45	125	25	9	302	86		331	94		9	
Benzo[a]anthracene	342	343	50	110	25	5	292	84		334	96		14	
Chrysene	342	343	55	110	25	5	261	75		303	87		15	
Benzo[b] fluoranthene	342	343	45	115	25	6	310	89		367	105		17	
Benzo[k] fluoranthene	342	343	45	125	25	0	293	86		313	91		7	
Benzo[a] pyrene	342	343	50	110	25	4	304	88		336	97		10	
Indeno [1,2,3-cd] pyrene	342	343	40	120	25	4	326	94		345	99		6	
Dibenz [a,h] anthracene	342	343	40	125	25	0	303	89		334	97		10	
Benzo(g,h,i) perylene	342	343	40	125	25	4	290	83		319	92		9	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

Instrument J

analytics environmental laboratory LLC

091710-J

ABN IS only#: S10106 EXP: 3/16/11

Tune File: ABN.u Date: 9/17/10 Loading Check: ALR

Voltage: 1953 Analyst: ALR Unloading Check: ALR

W-J-091710-1-ALR

Vial	Meth File	Sample	DF	Data File #	Comments
99		S9899 Col. Cmd.		J35839-40	
1	tunemix	S9836 tunemix 50ng		41T	✓
2		S10096 2/4 HST		42	OK
2	SIM091710	S10119 0.05/0.1		43ST	✓
3		S10118 0.1/0.2		44	✓
4		S10117 0.2/0.4		45	✓
5		S10116 1/2		46	✓
6	ABN091710	S10115 2/4		47	✓
7		S10114 4/8		48	✓
8		S10113 10/20		49	✓
9		S10112 20/40		50	✓
10		S10111 40/80		51	✓
11		S10110 80/100		52	✓
12		S10109 100/200		53	✓
13		S10120 20/40 ICV		54	✓
14		S10121 2/4 ICV		55	✓
1	tunemix	S9836 tunemix 50ng		56T	✓
6	SIM091710	S10115 2/4		57SC	✓
9	ABN091710	S10112 20/40		58SC	✓
100		MeCl2 lot # J20S01		59	✓
15		B091610SIMASE		59B 60B	✓
16		L091610SIMASE		60Q 61Q	✓ } Rec. OK but ↑ RPD's
17		LD091610SIMASE		61Q 62Q	✓
18		M091610SIMASE	-1	62 63	✓
19			-2	63	✓
20			-3	64	↑ 2-Methylnaphthalene
21			-4	65	✓
22			-5	66	✓
23			-6	67	✓
24			-7	68	✓
25		67799-1		69	✓
26		-1,MS		70SP	✓
27		-1,MSD		71SP	✓
28		-2		72	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Cont. pg. 5

Instrument J

analytics environmental laboratory LLC

Cont.
091710-J

IS only#: ABN S10106 EXP: 3/16/11

Tune File: ABN.u Date: 9/17/10 Loading Check: ALR

Voltage: 1953 Analyst: ALR Unloading Check: ALR

Vial	Meth File	Sample	DF	Data File #	Comments
29	ABN091710	67799-3		J35873	✓
30		-4		74	✓
31		B091310AW		75 B	✓
32		L091310AW		76Q	✓
32		L091310AW, RR		77Q	✓ Confirms
33		67727-1 BN		78	↓Surr.
34		67728-1 BN		79	↓Surr.
35		67729-1		80	✓
36		67749-1 BN		81	↓Surr. RR
37		-1 AC		82 ✓	~~↓Surr. RR~~ AW 9/28/10

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

SEMIVOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67799
DFTPP File ID: J35841T.D
DFTPP Injection Date: 09/17/10
DFTPP Injection Time: 22:49

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10119 0.05/0.1	J35843SI.D	9/17/10 23:37
S10118 0.1/0.2	J35844SI.D	9/17/10 23:58
S10117 0.2/0.4	J35845SI.D	9/18/10 0:19
S10116 1/2	J35846SI.D	9/18/10 0:40
S10115 2/4	J35847SI.D	9/18/10 1:01
S10114 4/8	J35848SI.D	9/18/10 1:22
S10113 10/20	J35849SI.D	9/18/10 1:43
S10112 20/40	J35850SI.D	9/18/10 2:04
S10115 2/4	J35857SC.D	9/18/10 4:32

Refer to the DFTPP report J35841T.D for ion ratio evaluation.

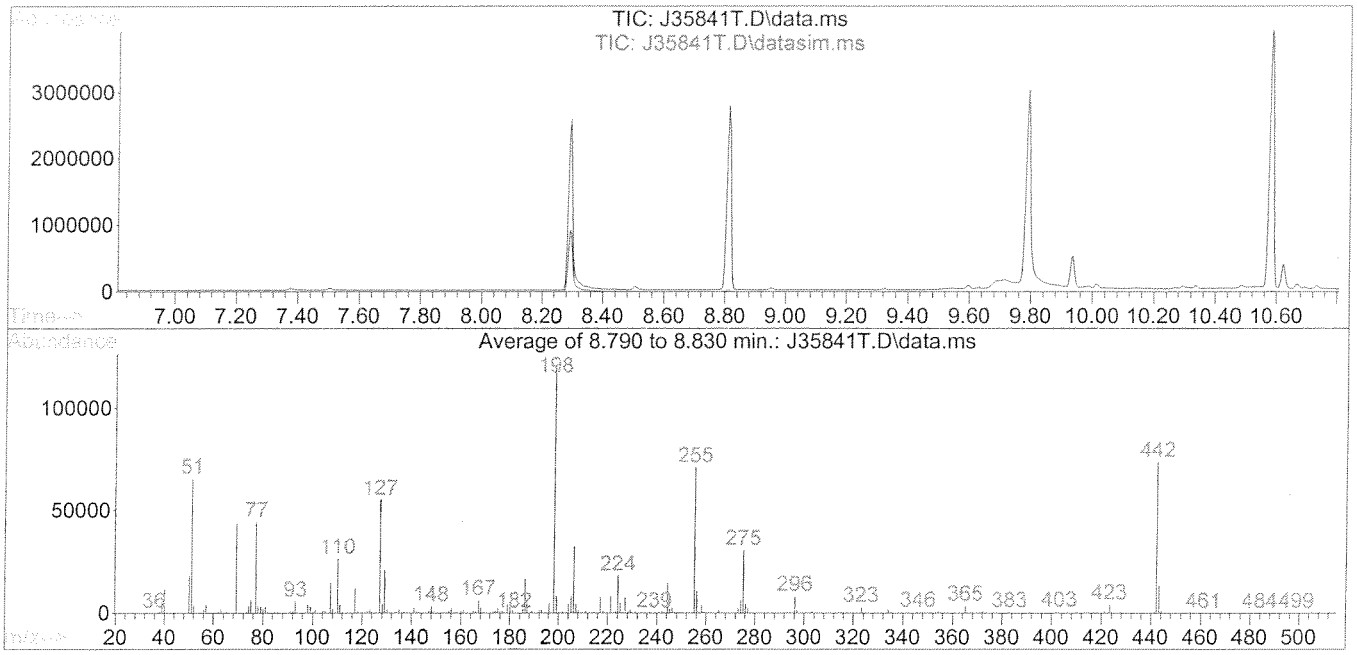
SVOA FORM 5

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIX.M
Title : ABN FULL SCAN
Last Update : Wed Sep 15 23:56:57 2010

MV 9/18/10



Spectrum Information: Average of 8.790 to 8.830 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.4	65631	PASS
68	69	0.00	2	0.0	10	PASS
69	198	0.00	100	35.9	43354	PASS
70	69	0.00	2	0.6	243	PASS
127	198	40	60	45.7	55151	PASS
197	198	0.00	1	0.0	3	PASS
198	198	100	100	100.0	120631	PASS
199	198	5	9	6.8	8242	PASS
275	198	10	30	25.4	30639	PASS
365	198	1	100	2.9	3446	PASS
441	443	0.01	100	6.9	917	PASS
442	198	40	100	61.1	73663	PASS
443	442	17	23	18.2	13379	PASS

J92010

9/18/10

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35841T.D**
Date Acquired **9/17/2010 22:49**

Name	Target Response
Pentachlorophenol	375964.00
Benzidine	1465270.00
DDE	1676.00
DDD	24137
DDT	852693

(0% - 20%)

%DDT BREAKDOWN = 2.94% **OK** ✓

392010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) Pentachlorophenol	8.294	266	375964	25.71 ug/ml	99
2) DFTPP	8.812	198	326277	27.01 ug/ml	97
3) Benzidine	9.792	184	1465270	23.68 ug/ml	99
4) DDE	9.973	246	1676	1.14 ug/ml	99
5) DDD	10.293	235	24137	1.50 ug/ml#	71
6) DDT	10.586	235	852693	27.79 ug/ml	99

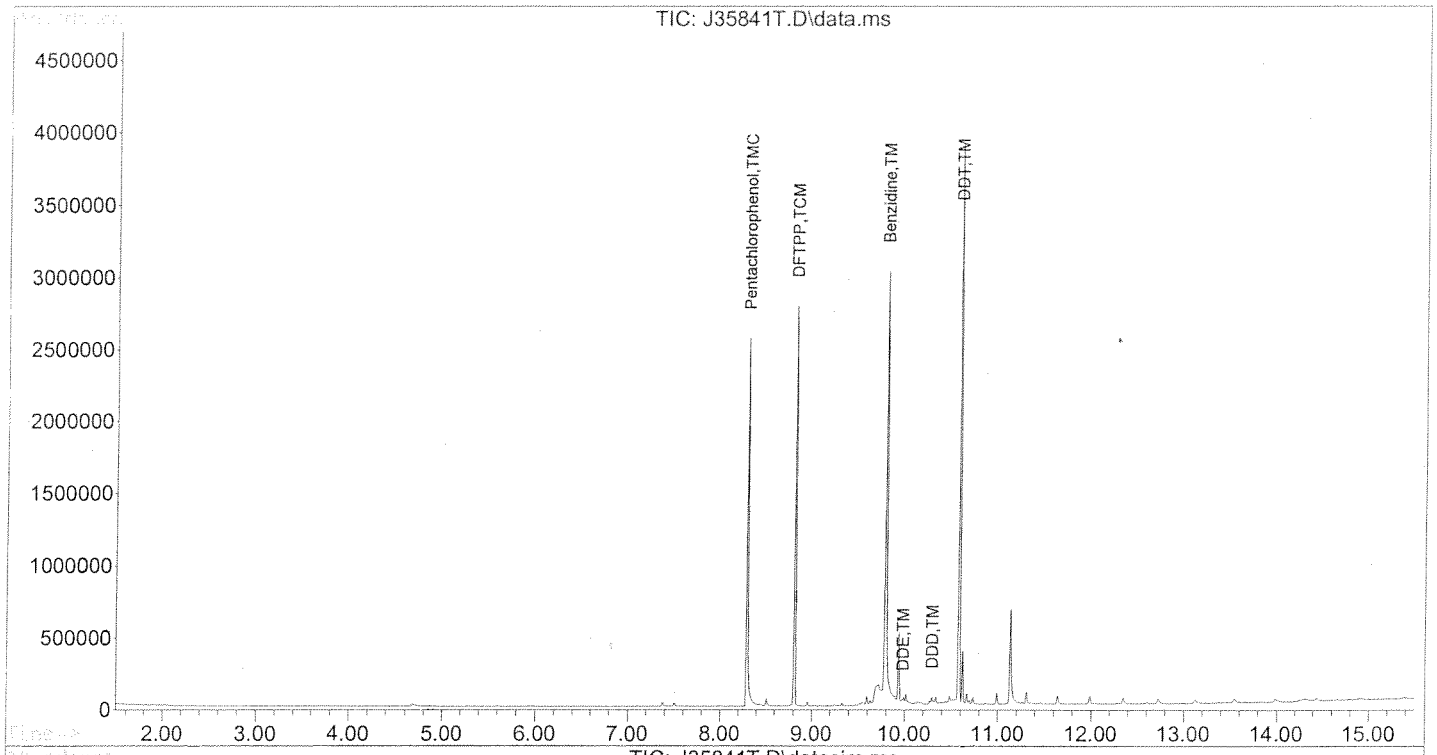
(#) = qualifier out of range (m) = manual integration (+) = signals summed

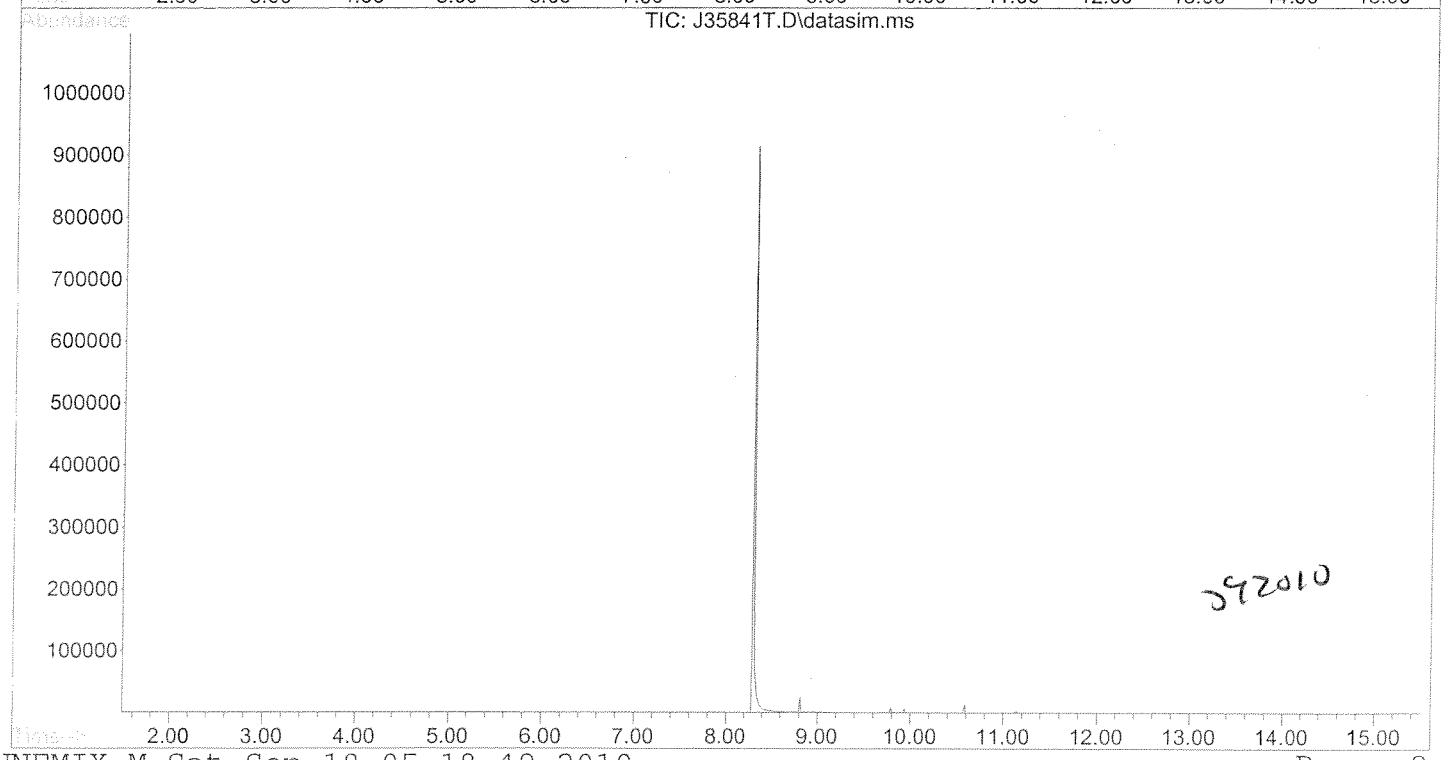
9/2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10



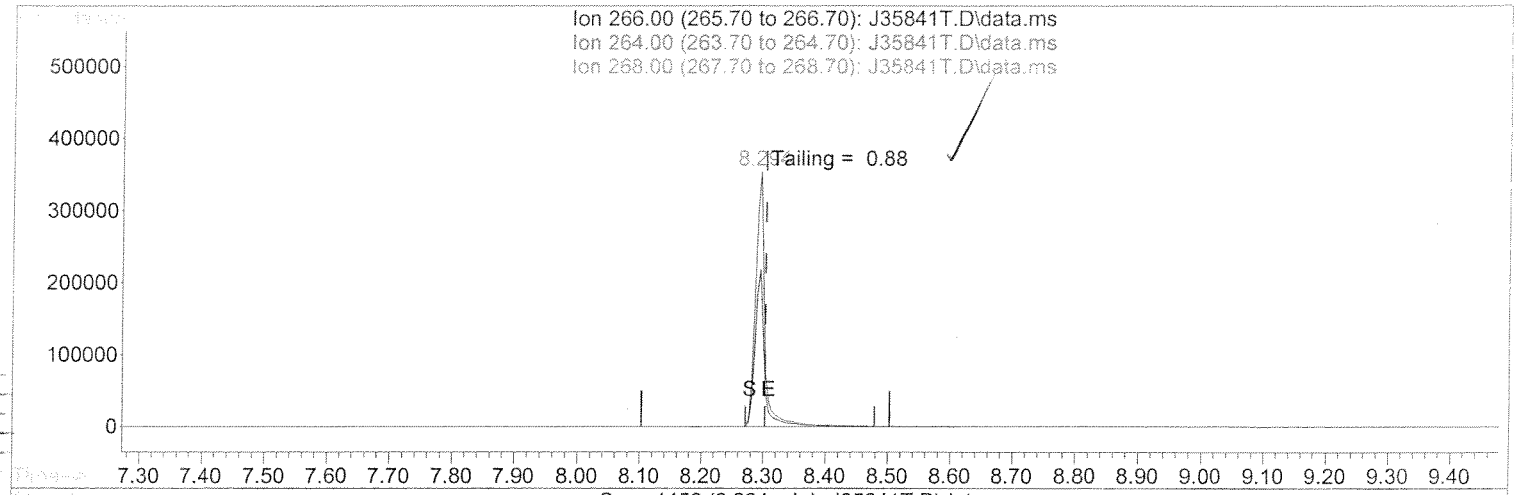


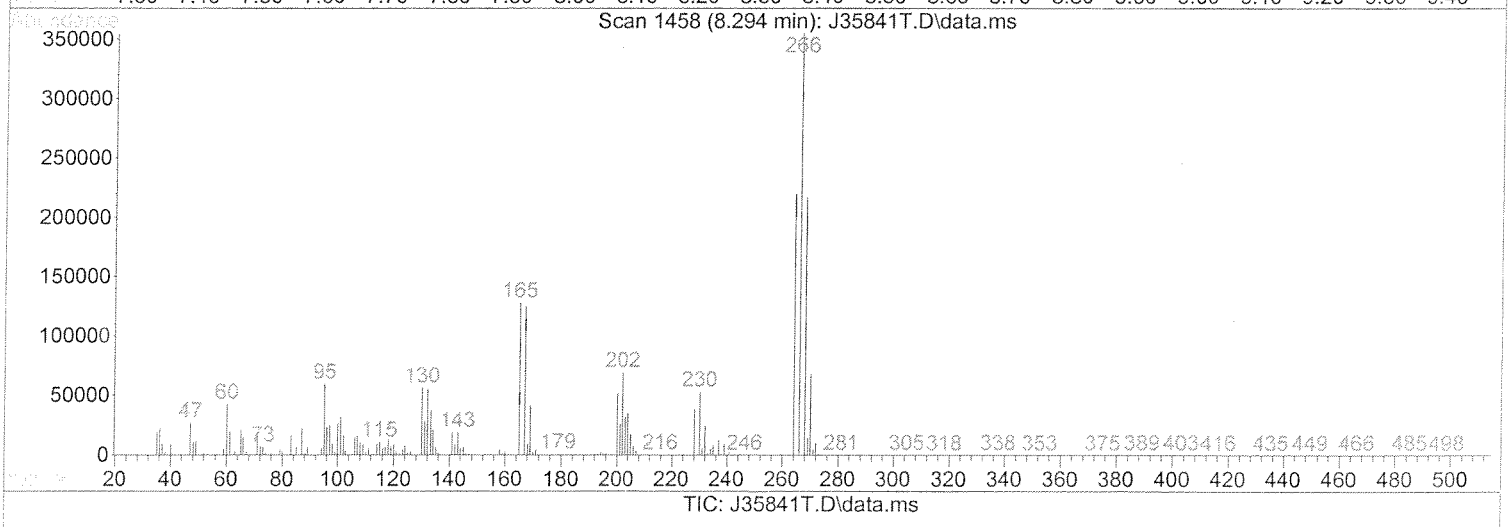
J92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10





(1) Pentachlorophenol (TMC)

8.294min (-0.009) 25.71ug/ml

response 375964

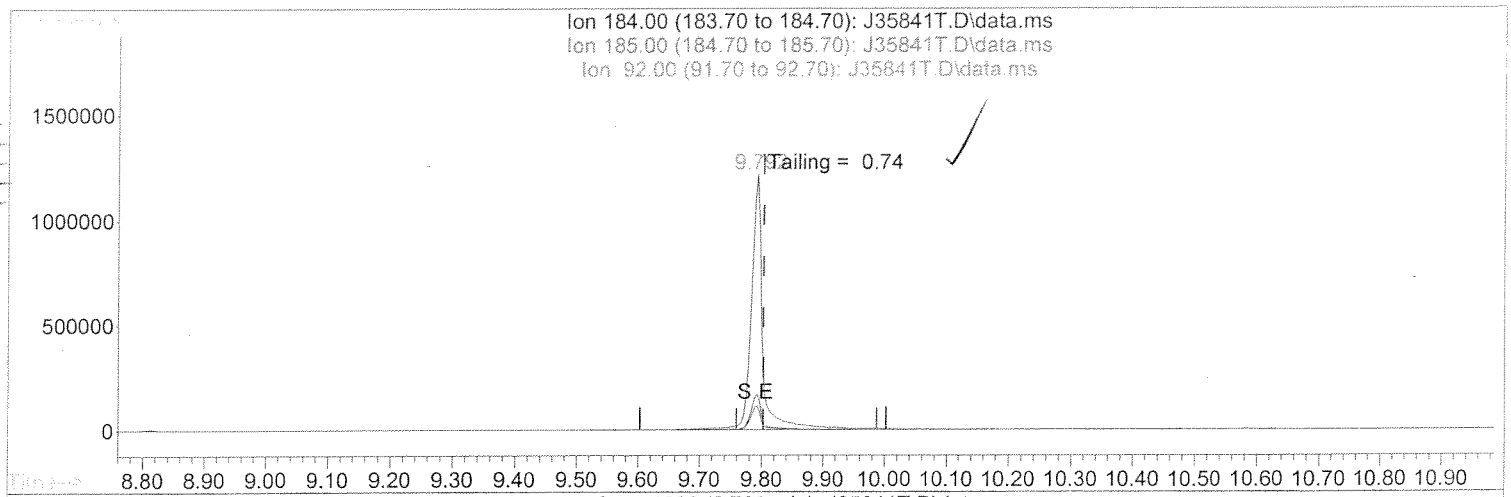
Ion	Exp%	Act%
266.00	100	100
264.00	62.10	62.66
268.00	59.70	61.00
0.00	0.00	0.00

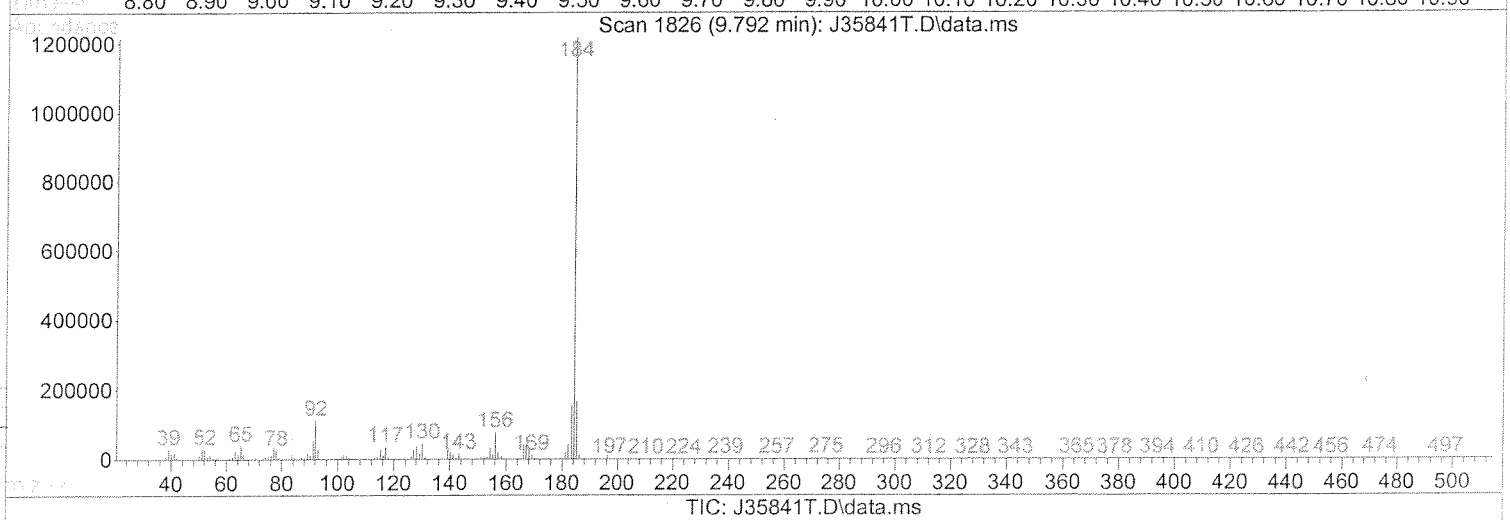
5/92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10





(3) Benzidine (TM)

9.792min (-0.011) 23.68ug/ml

response 1465270

Ion	Exp%	Act%
184.00	100	100
185.00	12.90	13.24
92.00	9.10	9.25
0.00	0.00	0.00

J92010

SEMIVOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67799
DFTPP File ID: J35856T.D
DFTPP Injection Date: 09/18/10
DFTPP Injection Time: 4:10

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
S10115 2/4	J35857SC.D	9/18/10	4:32
B091610SIMASE	J35859B.D	9/18/10	5:35
L091610SIMASE	J35860Q.D	9/18/10	5:56
LD091610SIMASE	J35861Q.D	9/18/10	6:17
67799-1	J35869.D	9/18/10	9:05
67799-1,MS	J35870SP.D	9/18/10	9:26
67799-1,MSD	J35871SP.D	9/18/10	9:47
67799-2	J35872.D	9/18/10	10:09
67799-3	J35873.D	9/18/10	10:30
67799-4	J35874.D	9/18/10	10:51

Refer to the DFTPP report J35856T.D for ion ratio evaluation.

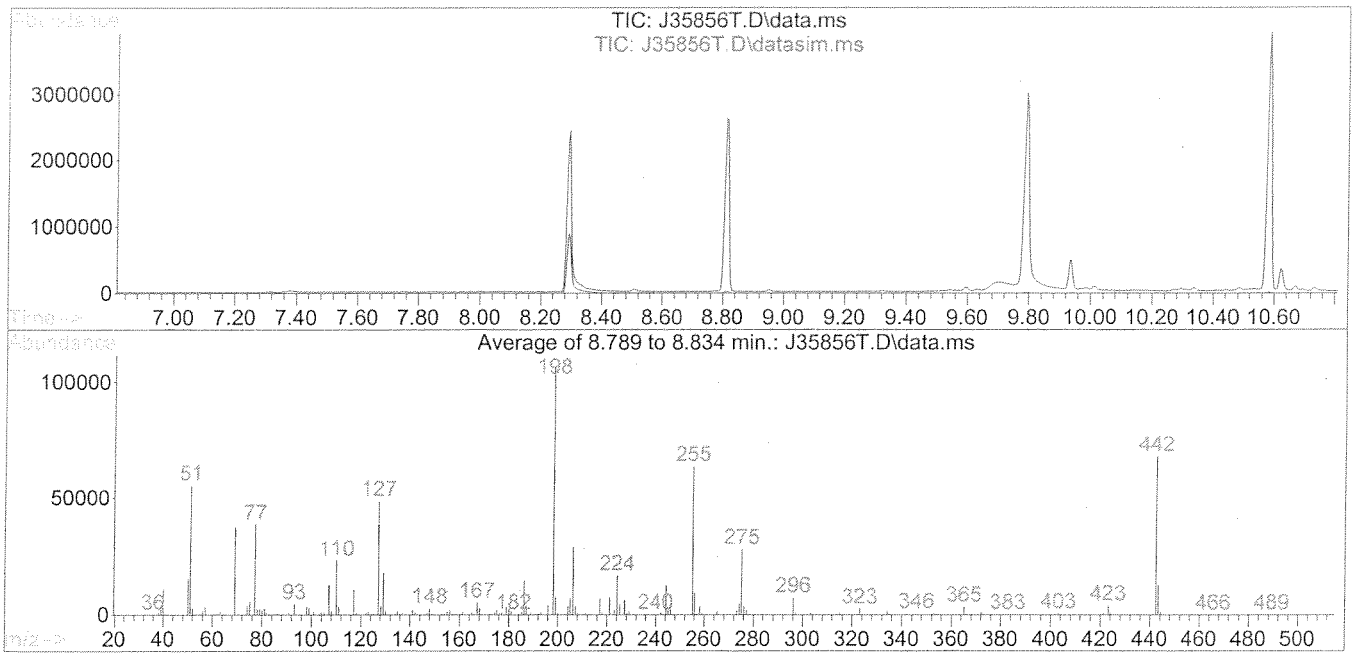
SVOA FORM 5

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35856T.D
Acq On : 18 Sep 2010 4:10 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIX.M
Title : ABN FULL SCAN
Last Update : Wed Sep 15 23:56:57 2010

MV 9/18/10



Spectrum Information: Average of 8.789 to 8.834 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.2	55494	PASS
68	69	0.00	2	0.0	6	PASS
69	198	0.00	100	35.3	37499	PASS
70	69	0.00	2	0.5	175	PASS
127	198	40	60	45.8	48715	PASS
197	198	0.00	1	0.0	1	PASS
198	198	100	100	100.0	106371	PASS
199	198	5	9	7.1	7518	PASS
275	198	10	30	26.3	27987	PASS
365	198	1	100	3.2	3444	PASS
441	443	0.01	100	1.4	168	PASS
442	198	40	100	63.9	67921	PASS
443	442	17	23	18.2	12371	PASS

J92010

SEMI-VOLATILE
TUNE MIX CHECK

9/18/10

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35856T.D**
Date Acquired **9/18/2010 4:10**

Name	Target Response
Pentachlorophenol	372698.00
Benzidine	1492911.00
DDE	2273.00
DDD	10836
DDT	861541

(0% - 20%)

%DDT BREAKDOWN = 1.50% **OK**

092010

9/18/2010 5:21 AM

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35856T.D
Acq On : 18 Sep 2010 4:10 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 05:19:19 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) Pentachlorophenol	8.294	266	372698	25.49 ug/ml	99
2) DFTPP	8.812	198	316572	26.21 ug/ml	99
3) Benzidine	9.792	184	1492911	24.12 ug/ml	98
4) DDE	9.976	246	2273	1.55 ug/ml	99
5) DDD	10.293	235	10836	0.67 ug/ml	88
6) DDT	10.584	235	861541	28.07 ug/ml	99

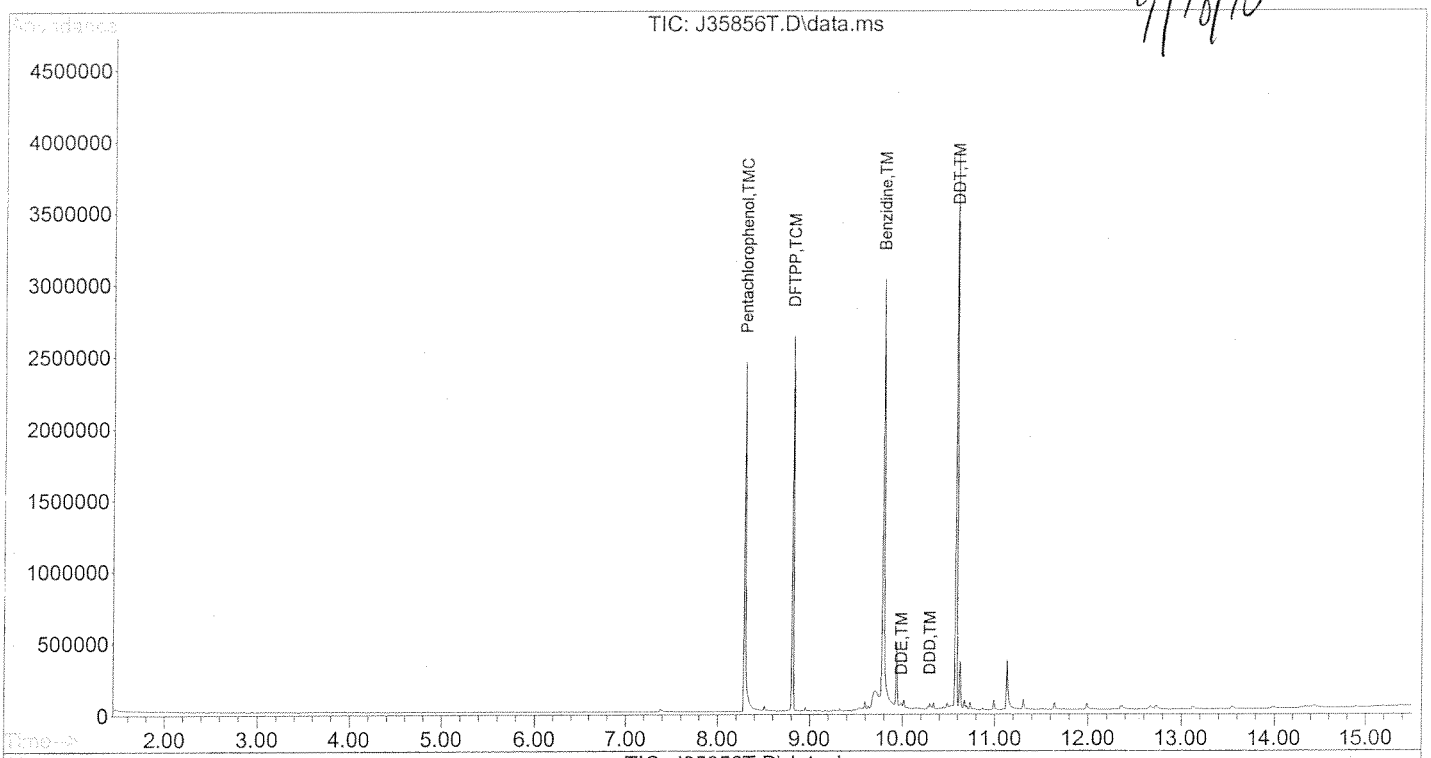
(#) = qualifier out of range (m) = manual integration (+) = signals summed

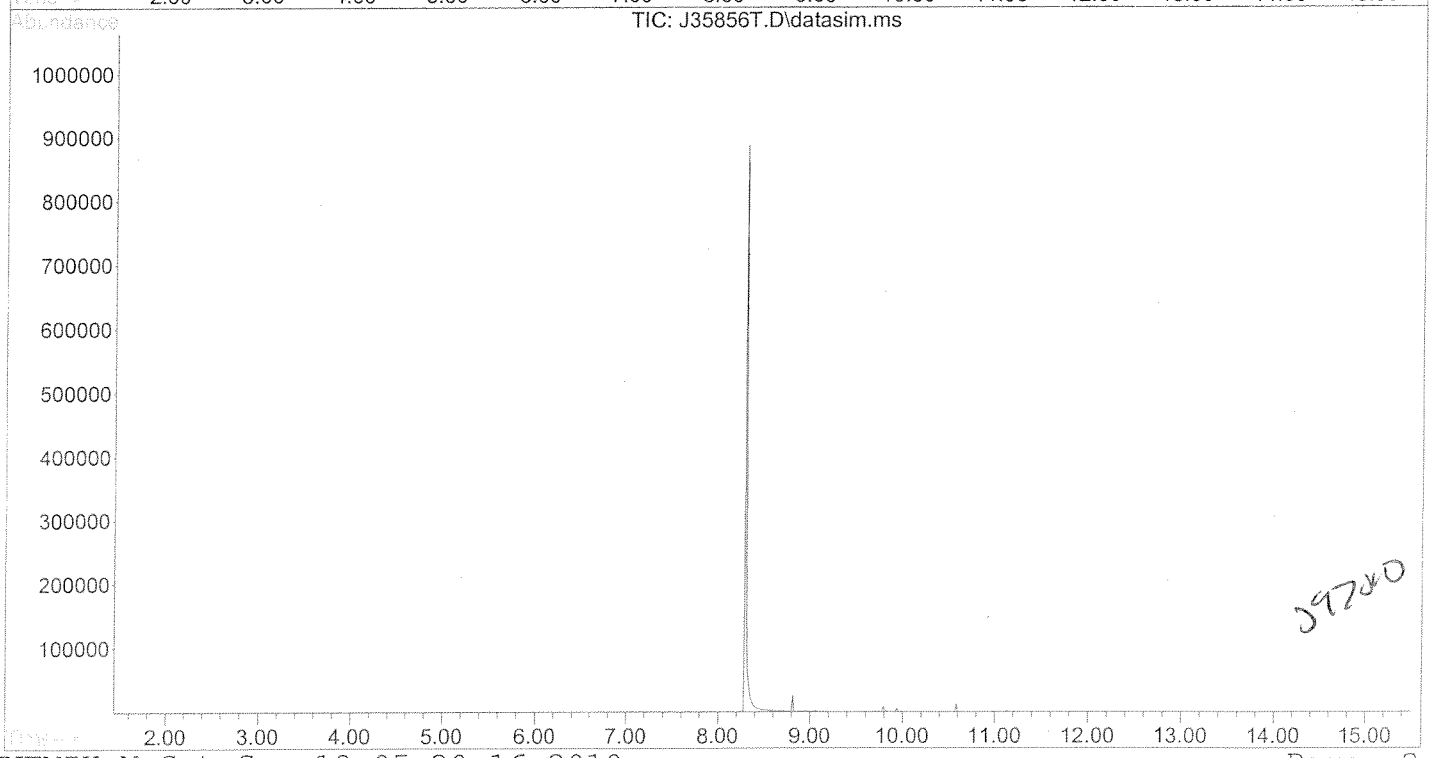
9/20/10

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35856T.D
Acq On : 18 Sep 2010 4:10 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 05:19:19 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10



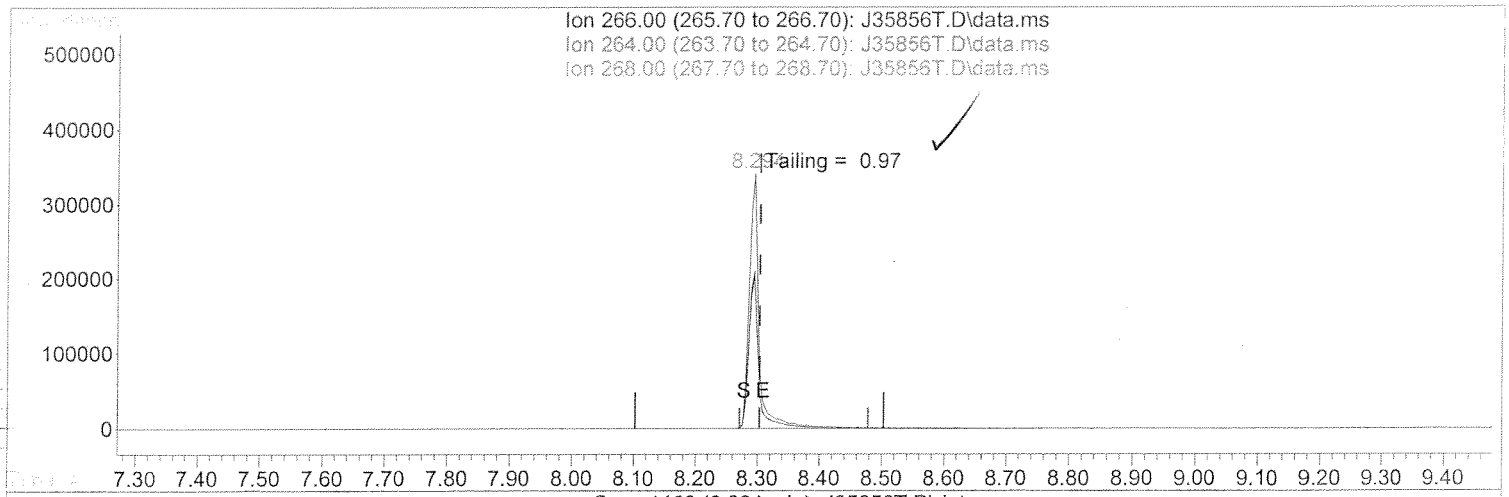


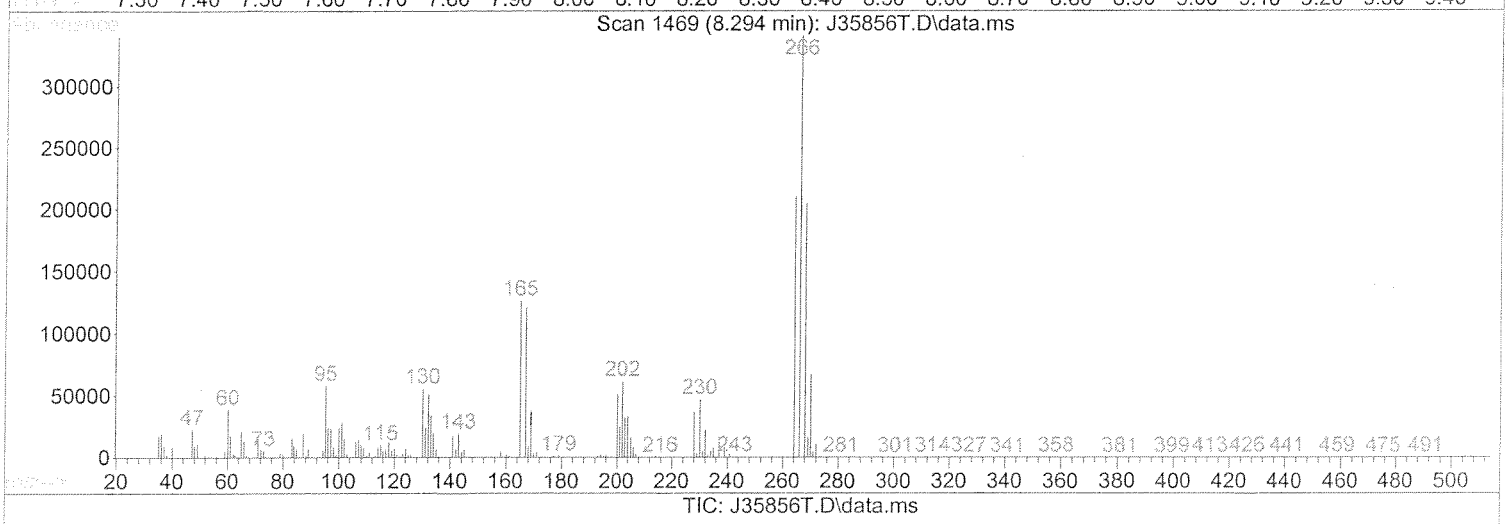
J97280

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35856T.D
Acq On : 18 Sep 2010 4:10 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 05:19:19 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10





(1) Pentachlorophenol (TMC)

8.294min (-0.009) 25.49ug/ml

response 372698

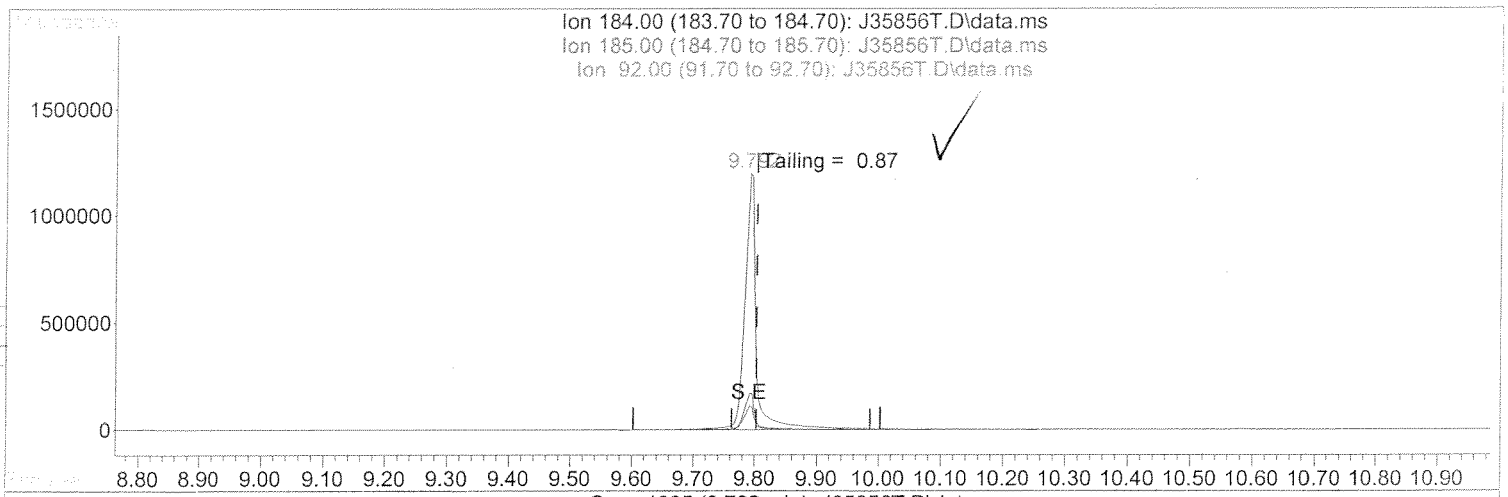
Ion	Exp%	Act%
266.00	100	100
264.00	62.10	62.88
268.00	59.70	60.91
0.00	0.00	0.00

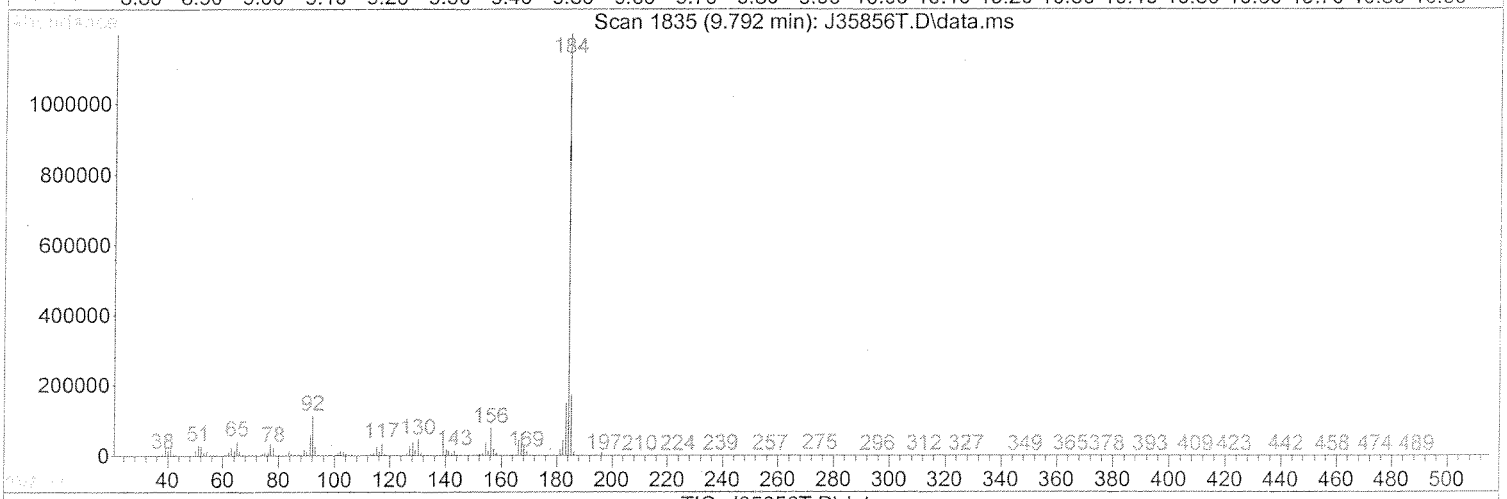
3/2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35856T.D
Acq On : 18 Sep 2010 4:10 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 05:19:19 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

MC
9/18/10





(3) Benzidine (TM)

9.792min (-0.011) 24.12ug/ml

response 1492911

Ion	Exp%	Act%
184.00	100	100
185.00	12.90	14.02
92.00	9.10	9.26
0.00	0.00	0.00

J 9 2010

Method Path : C:\msdchem\1\METHODS\
Method File : SIM091710.M
Title : ABN SIM
Last Update : Sat Sep 18 02:42:08 2010
Response Via : Initial Calibration

MN 9/18/10

Calibration Files
0.1 =J35844SI.D 0.2 =J35845SI.D 1 =J35846SI.D 2 =J35847SI.D 4 =J35848SI.D 10 =J35849SI.D
20 =J35850SI.D 0.05=J35843SI.D

		Compound	0.1	0.2	1	2	4	10	20	0.05	Avg	%RSD
1)	I	d8-Naphthalene	----------ISTD----------									
2)	S	d5-nitrobenzene	0.438	0.488	0.512	0.482	0.480	0.444	0.387	——	0.462	9.01
3)	TM	Naphthalene	1.460	1.437	1.481	1.454	1.457	1.281	1.142	1.474	1.398	8.71
4)	TM	2-Methylnaphth...	0.911	0.946	0.989	0.979	0.887	0.794	0.684	0.770	0.870	12.62
5)	I	d10-Acenaphthene	----------ISTD----------									
6)	S	2-Fluorobiphenyl	2.252	2.238	2.159	2.009	1.871	1.535	1.279	——	1.906	19.58 Q
7)	TM	2-Chloronaphth...	1.831	1.970	1.980	1.887	1.833	1.597	1.412	1.901	1.802	10.96
8)	TM	Acenaphthylene	2.842	2.996	3.018	2.904	2.834	2.467	2.195	2.858	2.764	10.32
9)	TM	Acenaphthene	1.615	1.676	1.673	1.614	1.601	1.481	1.323	1.684	1.583	7.83
0)	TM	Fluorene	2.096	2.161	2.224	2.153	2.094	1.860	1.598	2.131	2.040	10.20
1)	I	d10-Phenanthrene	----------ISTD----------									
2)	TM	Phenanthrene	1.875	1.801	1.768	1.684	1.685	1.499	1.294	2.087	1.712	13.97
3)	TM	Anthracene	1.861	1.869	1.916	1.843	1.825	1.623	1.387	1.806	1.766	9.98
4)	T	Biphenyl	1.394	1.359	1.413	1.323	1.280	1.064	0.879	1.335	1.256	14.87
5)	TM	Fluoranthene	1.889	1.914	2.010	2.010	2.002	1.729	1.437	2.046	1.880	10.95
6)	I	d12-Chrysene	----------ISTD----------									
7)	TM	Pyrene	2.226	2.181	2.287	2.347	2.347	2.060	1.840	2.386	2.209	8.28
8)	S	d14-p-terphenyl	1.070	1.066	1.064	1.001	0.950	0.805	0.700	——	0.951	15.30 Q
9)	TM	Benzo[a]anthra...	0.556	0.476	0.446	0.437	0.446	0.411	0.377	0.654	0.475	18.69 Q
0)	TM	Chrysene	1.943	1.909	1.841	1.820	1.818	1.551	1.438	2.063	1.798	11.46
1)	I	d12-Perylene	----------ISTD----------									
2)	TM	Benzo[b] fluor...	1.604	1.653	1.825	1.773	1.746	1.651	1.533	1.732	1.690	5.71 Q
3)	TM	Benzo[k] fluor...	2.015	2.206	2.118	2.114	2.043	1.747	1.499	2.231	1.997	12.55
4)	TM	Benzo[a] pyrene	1.738	1.791	1.882	1.876	1.921	1.713	1.540	1.812	1.784	6.84
5)	TM	Indeno [1,2,3-...	1.158	1.132	1.292	1.311	1.388	1.341	1.241	1.330	1.274	7.06
6)	TM	Dibenz [a,h] a...	1.442	1.482	1.535	1.519	1.512	1.401	1.258	1.376	1.441	6.48
7)	TM	Benzo(g,h,i) ...	1.757	1.719	1.720	1.693	1.684	1.534	1.380	2.059	1.693	11.44

J92010

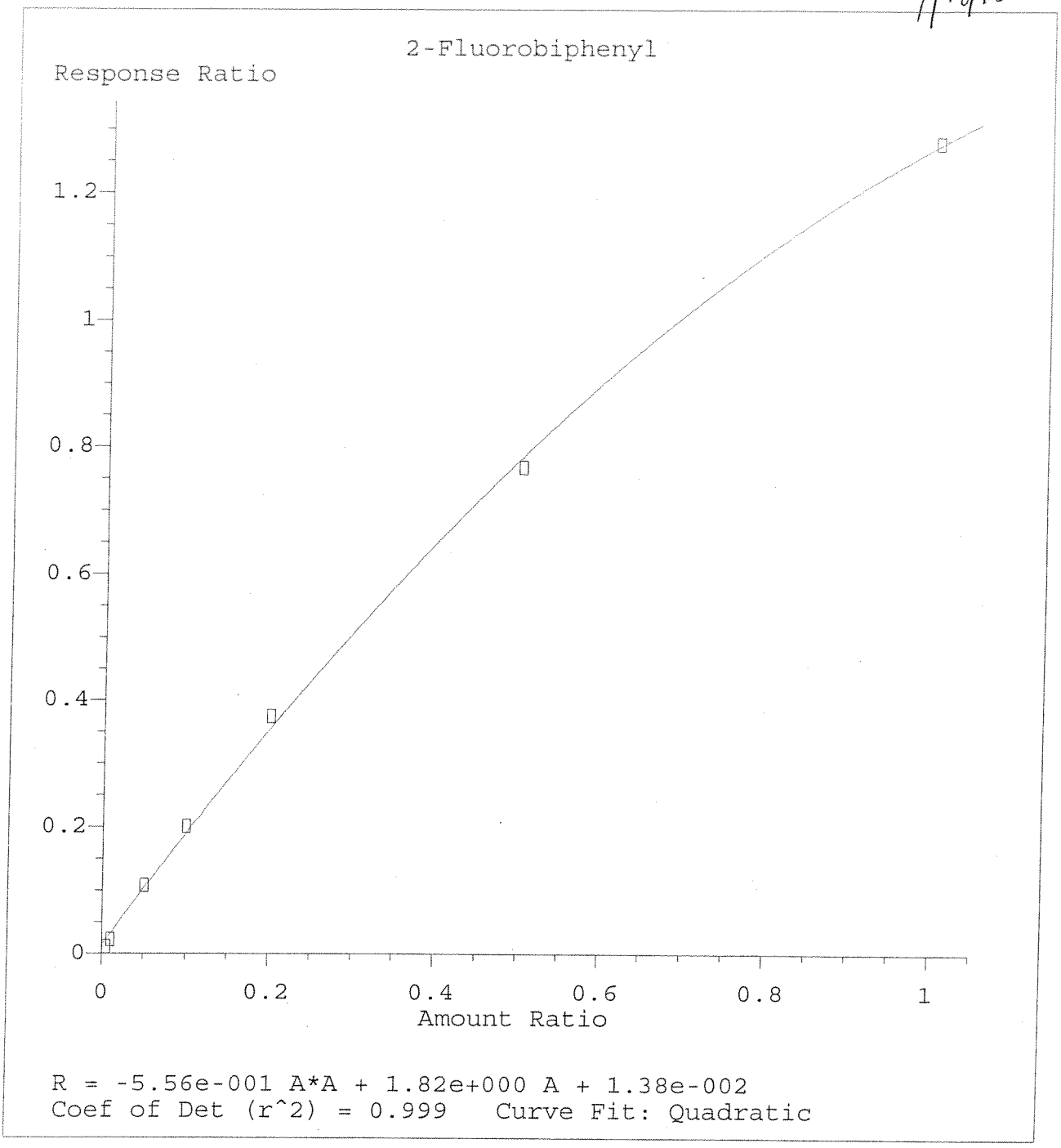
Method Path : C:\msdchem\1\METHODS\
Method File : SIM091710.M
Title : ABN SIM

(#) = Out of Range

9/18/10

J92010

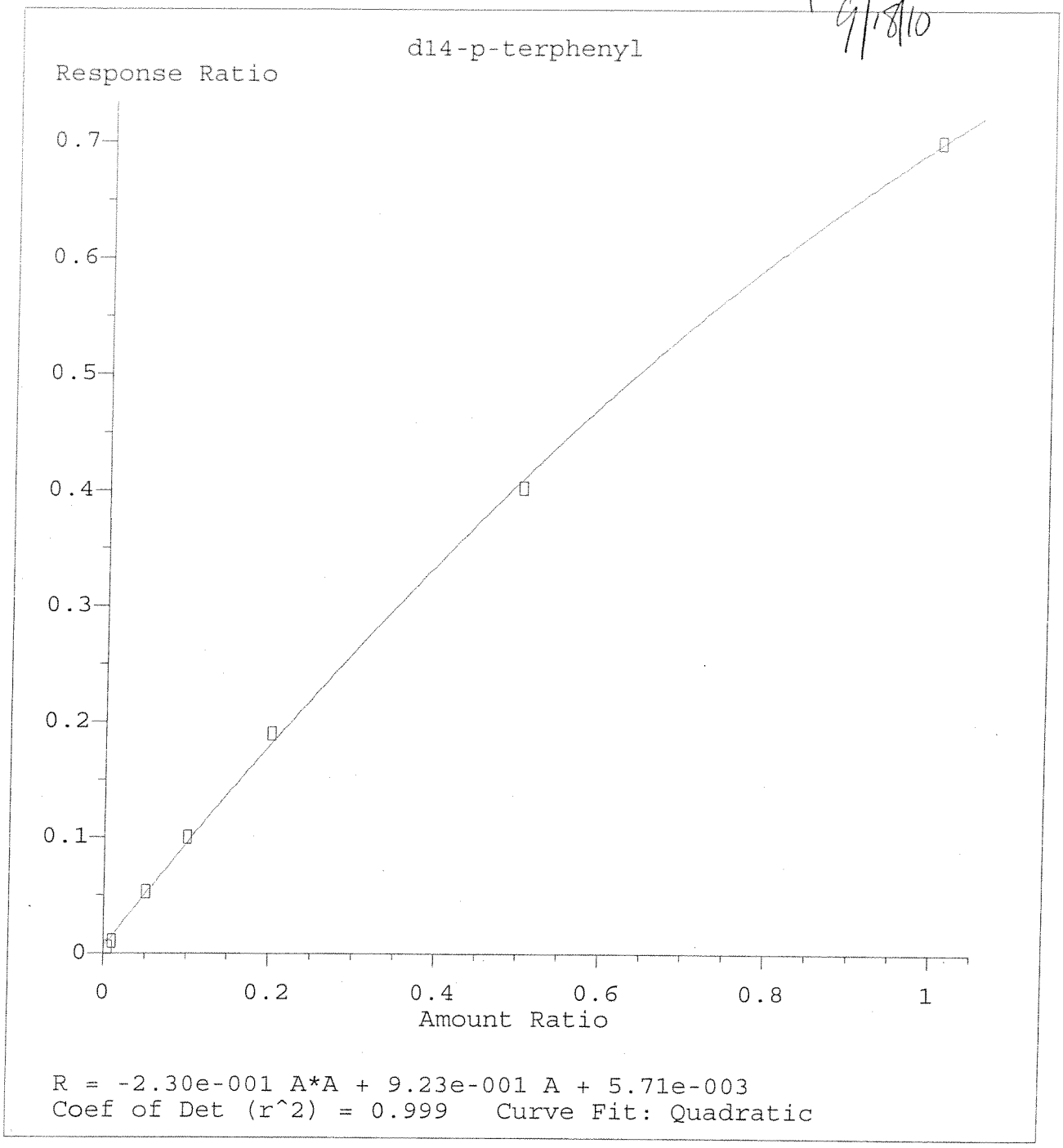
9/18/10



Method Name: C:\msdchem\1\METHODS\SIM091710.M
Calibration Table Last Updated: Sat Sep 18 02:40:17 2010

J92010

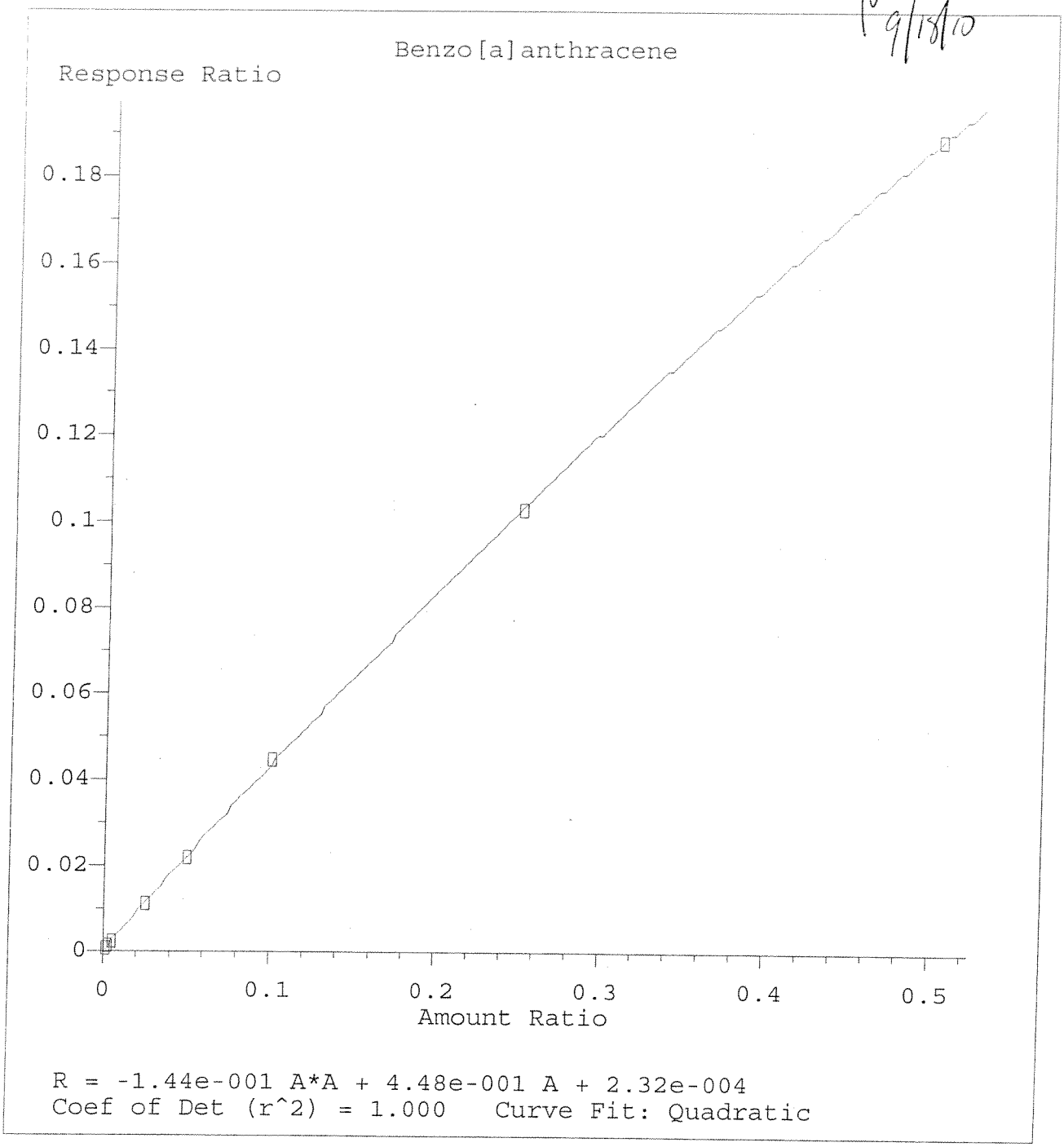
MN 9/18/10



Method Name: C:\msdchem\1\METHODS\SIM091710.M
Calibration Table Last Updated: Sat Sep 18 02:41:41 2010

392010

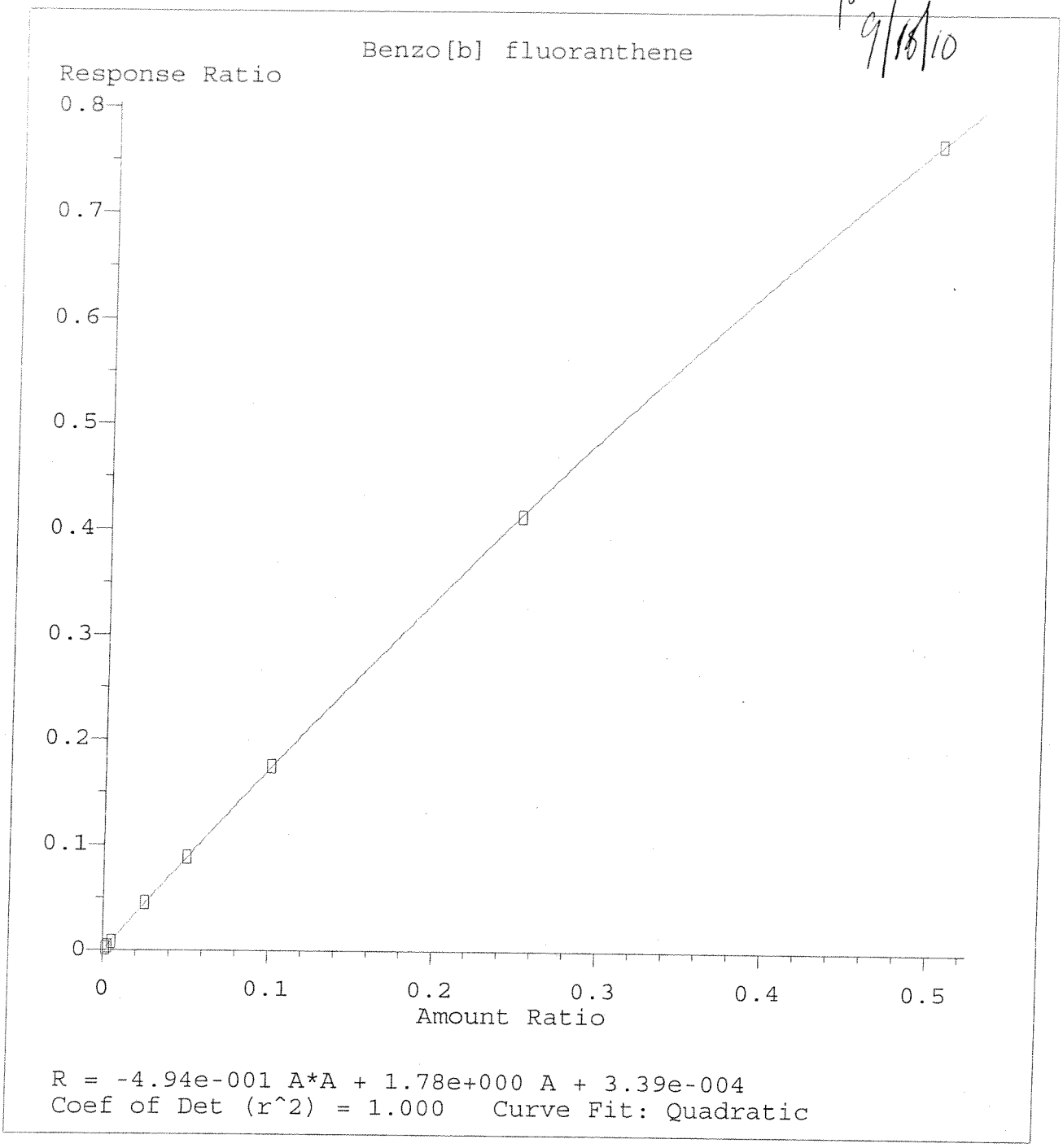
9/18/10



Method Name: C:\msdchem\1\METHODS\SIM091710.M
Calibration Table Last Updated: Sat Sep 18 02:42:01 2010

3 9 2010

9/18/10



Method Name: C:\msdchem\1\METHODS\SIM091710.M
Calibration Table Last Updated: Sat Sep 18 04:08:57 2010

3 9 2010

SIM ICV

Data File Name: J35855.D
Date Acquired: 9/18/2010 3:49
Sample Name: S10121 2/4 ICV

9/18/10

Name	Amount	Expected	% Recovery	80-120%
Naphthalene	2.08	2.00	104%	OK
2-Methylnaphthalene	2.13	2.00	106%	OK
2-Chloronaphthalene	2.18	2.00	109%	OK
Acenaphthylene	2.32	2.00	116%	OK
Acenaphthene	2.10	2.00	105%	OK
Fluorene	2.16	2.00	108%	OK
Phenanthrene	2.00	2.00	100%	OK
Anthracene	2.15	2.00	108%	OK
Biphenyl	2.26	2.00	113%	OK
Fluoranthene	2.23	2.00	112%	OK
Pyrene	2.22	2.00	111%	OK
Benzo[a]anthracene	2.13	2.00	106%	OK
Chrysene	2.12	2.00	106%	OK
Benzo[b] fluoranthene	2.34	2.00	117%	OK
Benzo[k] fluoranthene	2.20	2.00	110%	OK
Benzo[a] pyrene	2.27	2.00	113%	OK
Indeno [1,2,3-cd] pyrene	2.14	2.00	107%	OK
Dibenz [a,h] anthracene	2.18	2.00	109%	OK
Benzo(g,h,i) perylene	2.09	2.00	104%	OK
d5-nitrobenzene	4.45	4.00	111%	OK
2-Fluorobiphenyl	4.57	4.00	114%	OK
d14-p-terphenyl	4.50	4.00	112%	OK

392010

9/18/2010 4:11 AM

SIM CCV

Data File Name J35857SC.D
Sample Name S10115 2/4
Date Acquired 9/18/2010 4:32

9/18/10

Name	Amount	ug/ml Expected	% RECOVERY	80%-120%
Naphthalene	2.04	2.0	102%	OK
2-Methylnaphthalene	2.19	2.0	110%	OK
2-Chloronaphthalene	2.10	2.0	105%	OK
Acenaphthylene	2.08	2.0	104%	OK
Acenaphthene	2.03	2.0	101%	OK
Fluorene	2.09	2.0	104%	OK
Phenanthrene	1.97	2.0	99%	OK
Anthracene	2.08	2.0	104%	OK
Biphenyl	2.13	2.0	107%	OK
Fluoranthene	2.15	2.0	107%	OK
Pyrene	2.10	2.0	105%	OK
Benzo[a]anthracene	1.92	2.0	96%	OK
Chrysene	2.00	2.0	100%	OK
Benzo[b] fluoranthene	2.06	2.0	103%	OK
Benzo[k] fluoranthene	1.99	2.0	100%	OK
Benzo[a] pyrene	2.10	2.0	105%	OK
Indeno [1,2,3-cd] pyrene	1.94	2.0	97%	OK
Dibenz [a,h] anthracene	2.03	2.0	102%	OK
Benzo(g,h,i) perylene	1.93	2.0	97%	OK
d5-nitrobenzene	4.13	4.0	103%	OK
2-Fluorobiphenyl	4.32	4.0	108%	OK
d14-p-terphenyl	4.20	4.0	105%	OK

J92010

9/18/2010 5:16 AM

C:\msdchem\custrpt\ABN CUSTRPT\SIM CONT CAL.CRT

SIM PAH % DRIFT EVALUATION

1=AVERAGE RF	Data File Name	J35857SC.D
0=LINEAR	Date Acquired	9/18/2010 4:32
3=QUADRATIC	Sample Name	S10115 2/4

9/18/10

METHOD: C:\msdchem\1\METHODS\SIM091710.M

CAL FIT	Name	ug/mL Amount	ug/mL Expected	% DRIFT		<20%
1	d5-nitrobenzene	4.13	4	3.3%	NA	OK
1	Naphthalene	2.04	2	2.2%	NA	OK
1	2-Methylnaphthalene	2.19	2	9.6%	NA	OK
3	2-Fluorobiphenyl	4.32	4	8.1%		OK
1	2-Chloronaphthalene	2.10	2	5.1%	NA	OK
1	Acenaphthylene	2.08	2	4.2%	NA	OK
1	Acenaphthene	2.03	2	1.4%	NA	OK
1	Fluorene	2.09	2	4.5%	NA	OK
1	Phenanthrene	1.97	2	1.3%	NA	OK
1	Anthracene	2.08	2	4.0%	NA	OK
1	Biphenyl	2.13	2	6.5%	NA	OK
1	Fluoranthene	2.15	2	7.3%	NA	OK
1	Pyrene	2.10	2	4.9%	NA	OK
3	d14-p-terphenyl	4.20	4	5.1%		OK
3	Benzo[a]anthracene	1.92	2	4.0%		OK
1	Chrysene	2.00	2	0.1%	NA	OK
3	Benzo[b] fluoranthene	2.06	2	2.9%		OK
1	Benzo[k] fluoranthene	1.99	2	0.5%	NA	OK
1	Benzo[a] pyrene	2.10	2	5.0%	NA	OK
1	Indeno [1,2,3-cd] pyrene	1.94	2	3.0%	NA	OK
1	Dibenz [a,h] anthracene	2.03	2	1.6%	NA	OK

JR2020

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35857SC.D
Acq On : 18 Sep 2010 4:32 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 05:16:02 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 04:08:59 2010
Response via : Initial Calibration

9/18/10

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	d8-Naphthalene	1.000	1.000	0.0	95	0.00
2	S	d5-nitrobenzene	0.462	0.477	-3.2	94	0.00
3	TM	Naphthalene	1.398	1.429	-2.2	94	0.00
4	TM	2-Methylnaphthalene	0.870	0.954	-9.7	93	0.00
5	I	d10-Acenaphthene	1.000	1.000	0.0	97	0.00
6	S	2-Fluorobiphenyl	1.906	2.038	-6.9	99	0.00
7	TM	2-Chloronaphthalene	1.802	1.894	-5.1	98	0.00
8	TM	Acenaphthylene	2.764	2.881	-4.2	97	0.00
9	TM	Acenaphthene	1.583	1.605	-1.4	97	0.00
10	TM	Fluorene	2.040	2.131	-4.5	96	0.00
11	I	d10-Phenanthrene	1.000	1.000	0.0	97	0.00
12	TM	Phenanthrene	1.712	1.689	1.3	97	0.00
13	TM	Anthracene	1.766	1.836	-4.0	97	0.00
14	T	Biphenyl	1.256	1.338	-6.5	98	0.00
15	TM	Fluoranthene	1.880	2.017	-7.3	98	0.00
16	I	d12-Chrysene	1.000	1.000	0.0	97	0.00
17	TM	Pyrene	2.209	2.318	-4.9	96	0.00
18	S	d14-p-terphenyl	0.951	1.002	-5.4	97	0.00
19	TM	Benzo[a]anthracene	0.475	0.428	9.9	95	0.00
20	TM	Chrysene	1.798	1.799	-0.1	96	0.00
21	I	d12-Perylene	1.000	1.000	0.0	97	0.00
22	TM	Benzo[b] fluoranthene	1.690	1.811	-7.2	99	0.00
23	TM	Benzo[k] fluoranthene	1.997	1.987	0.5	91	0.00
24	TM	Benzo[a] pyrene	1.784	1.873	-5.0	96	0.00
25	TM	Indeno [1,2,3-cd] pyrene	1.274	1.236	3.0	91	0.00
26	TM	Dibenz [a,h] anthracene	1.441	1.464	-1.6	93	0.00
27	TM	Benzo(g,h,i) perylene	1.693	1.635	3.4	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

092010

SEMIVOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67799

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#	IS 5 AREA	#	IS 5 RT	#
S10115 2/4	1221390		5.31		669372		7.03		1159460		8.46		1.05E+06		11.00		939744		12.47	
Upper Limit	2442780		5.37		1338744		7.09		2318920		8.52		2092860		11.06		1879488		12.53	
Lower limit	610695		5.25		334686		6.97		579730		8.40		523215		10.94		469872		12.41	
SAMPLE ID																				
S10119 0.05/0.1	1206860		5.31		671601		7.03		1123870		8.46		1.05E+06		11.00		939666		12.47	
S10118 0.1/0.2	1259240		5.31		683510		7.03		1162010		8.46		1.04E+06		11.00		934377		12.47	
S10117 0.2/0.4	1240190		5.31		681948		7.03		1169460		8.46		1.05E+06		11.00		935240		12.47	
S10116 1/2	1211810		5.31		686659		7.03		1180520		8.46		1.06E+06		11.00		942801		12.47	
S10114 4/8	1190310		5.31		657325		7.03		1127670		8.46		997143		11.00		920219		12.47	
S10113 10/20	1198760		5.31		672205		7.03		1162390		8.46		1.00E+06		11.01		926661		12.47	
S10112 20/40	1232380		5.32		671827		7.04		1176370		8.46		954648		11.01		919074		12.47	
S10121 2/4 ICV	1159160		5.31		640462		7.03		1094830		8.46		963272		11.00		849696		12.47	

IS 1 = d8-Naphthalene
IS 2 = d10-Acenaphthene
IS 3 = d10-Phenanthrene
IS 4 = d12-Chrysene
IS 5 = d12-Perylene

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

SVOA SIM FORM 8

SEMIVOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67799

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#	IS 5 AREA	#	IS 5 RT	#
S10115 2/4	1165520		5.31		652201		7.03		1127100		8.46		1.02E+06		11.00		907545		12.47	
Upper Limit	2331040		5.37		1304402		7.09		2254200		8.52		2030120		11.06		1815090		12.53	
Lower limit	582760		5.25		326101		6.97		563550		8.40		507530		10.94		453773		12.41	
SAMPLE ID																				
B091610SIMASE	1166360		5.31		629332		7.03		1071450		8.46		956884		11.00		837457		12.46	
L091610SIMASE	1195230		5.31		654467		7.03		1104640		8.46		974251		11.00		854272		12.47	
LD091610SIMASE	1208570		5.31		647919		7.03		1118080		8.46		976085		11.00		885816		12.47	
67799-1	1219430		5.31		666669		7.03		1130380		8.46		997465		11.00		868425		12.47	
67799-1,MS	1219600		5.31		669702		7.03		1147020		8.46		983523		11.00		863911		12.47	
67799-1,MSD	1211930		5.31		654855		7.03		1132970		8.46		974059		11.00		878570		12.47	
67799-2	1197320		5.31		656944		7.03		1134270		8.46		987496		11.00		901625		12.47	
67799-3	1200950		5.31		649927		7.03		1123160		8.46		950273		11.00		885537		12.47	
67799-4	1220780		5.31		674514		7.03		1145280		8.46		1.00E+06		11.00		894455		12.47	

IS 1 = d8-Naphthalene
IS 2 = d10-Acenaphthene
IS 3 = d10-Phenanthrene
IS 4 = d12-Chrysene
IS 5 = d12-Perylene

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

SVOA SIM FORM 8

EXTRACTION
LOGBOOK PAGES

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 09/17/10

Initials: SMC

EXTRACT TRANSFER SHEET

Semi-Volatile Compounds:

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
67799-1	PAHSIMS	09/16/10	Solid		15.46	1.0		
67799-2	PAHSIMS	09/16/10	Solid		15.59	1.0		
67799-3	PAHSIMS	09/16/10	Solid		15.25	1.0		
67799-4	PAHSIMS	09/16/10	Solid		15.58	1.0		

9/17/10

KE 9:17:10

analytics environmental laboratory LLC

Base Neutral Acid Extractables Solid Preparation Logbook

Circle Method Reference: SW-846 3550B Sonication
SW-846 3545 Accelerated Solvent Extraction (ASE)
PAH8310MSC

Date: 9.16.10 Time: 5:15 pm QC Batch ID: Q-P 090710-1-EB
Initials: SC Prep. Batch ID: P-P 091610-2-SC

Sample #	Matrix	Weight (g)	(1) mL Surrogate	(2) mL Spike	Final Vol $MeCl_2$	Cook Down Date	TurboVap #
B091610Simase	Na_2SO_4	15.00	1.0	—	1ml	9.16.10 SC	4
L091610Simase	Sisand	15.16	1.0	1.0			
LD091610Simase		15.09	1.0	1.0			
M091610Simase-1		15.34	1.0	10ul			
-2		15.30	1.0	10ul			
-3		15.07	1.0	10ul			
-4		15.20	1.0	10ul			1
-5		15.90	1.0	10ul			
-6		15.71	1.0	10ul			
-7		15.73	1.0	10ul			
67799-1	clay mud	15.46	1.0	—			
-1MS		15.88	1.0	1.0			2
-1MSD		15.87	1.0	1.0			
-2		15.59	1.0	—			
-3	wet sand	15.25	1.0	—			
-4		15.58	1.0	—			
LOD							
LOQ							

SC 9/16/10

JSW 9.17.10

	Lot #	Exp. Date
$MeCl_2$:	J04500	4.30.11
1:1 Acetone/MeCl2:	—	—
Silica Sand:	F161203SP	1.13.15
Na_2SO_4:	E0310	5.21.15

	Lot #	Exp Date	Syringe #
ABN Surrogate:	—	—	—
ABN Spike (40 ug/mL):	—	—	—
Benzidines Spike (80 ug/mL):	—	—	—
(1) PAH Surrogate (5.0 ug/mL):	S10066	3.7.11	PS-038
(2) PAH MS (5.0 ug/mL):	S9728	11.12.10	PS-055 PS-013

Balance Used: SCI-3
ASE Used: ASE-2
Sonicator Used: —

1ml vol: 1680

Rev 2 10/12/09

SEMI-VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

SAMPLE DATA

Lab Sample ID: B091610SIMASE
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date: N/A
Lab Receipt Date: N/A
Extraction Date: 09/16/10
Analysis Date: 09/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY Piping & Soil

Project Number: 106-2282

Field Sample ID:

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	7	U
Acenaphthylene	7	U
Acenaphthene	7	U
Fluorene	7	U
Phenanthrene	7	U
Anthracene	7	U
Fluoranthene	7	U
Pyrene	7	U
Benzo[a]anthracene	7	U
Chrysene	7	U
Benzo[b] fluoranthene	7	U
Benzo[k] fluoranthene	7	U
Benzo[a] pyrene	7	U
Dibenz [a,h] anthracene	7	U
Benzo(g,h,i) perylene	7	U
Indeno [1,2,3-cd] pyrene	7	U
2-Methylnaphthalene	7	U

Surrogate Standard Recovery

d5-nitrobenzene	70	%	2-Fluorobiphenyl	77	%	d14-p-terphenyl	98	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis.

Authorized signature

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35859B.D
Acq On : 18 Sep 2010 5:35 am
Operator : AR/MG
Sample : B091610SIMASE
Misc : SOIL
ALS Vial : 15 Sample Multiplier: 1

Q

Quant Time: Sep 18 20:16:34 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d8-Naphthalene	5.308	136	1166355	40.00	ug/ml	0.00
5) d10-Acenaphthene	7.030	164	629332	40.00	ug/ml	0.00
11) d10-Phenanthrene	8.459	188	1071451	40.00	ug/ml	0.00
16) d12-Chrysene	11.002	240	956884	40.00	ug/ml	0.00
21) d12-Perylene	12.463	264	837457	40.00	ug/ml	0.00

System Monitoring Compounds						
2) d5-nitrobenzene	4.592	82	46842	3.48	ug/ml	0.00
Spiked Amount 5.000	Range 35 - 100		Recovery	=	69.60%	
6) 2-Fluorobiphenyl	6.397	172	115714	3.85	ug/ml	0.00
Spiked Amount 5.000	Range 45 - 105		Recovery	=	77.00%	
18) d14-p-terphenyl	10.018	244	110565	4.91	ug/ml	0.00
Spiked Amount 5.000	Range 30 - 125		Recovery	=	98.20%	

Target Compounds						Qvalue
~~9)~~ Acenaphthene	~~7.030~~	154	2091	~~0.08~~	ug/ml#	1
~~20)~~ Chrysene	~~11.002~~	228	2951	~~0.07~~	ug/ml#	70
~~22)~~ Benzo[b] fluoranthene	~~12.056~~	252	117	Below Cal	#	70
~~24)~~ Benzo[a] pyrene	~~12.467~~	252	2884	~~0.08~~	ug/ml#	82

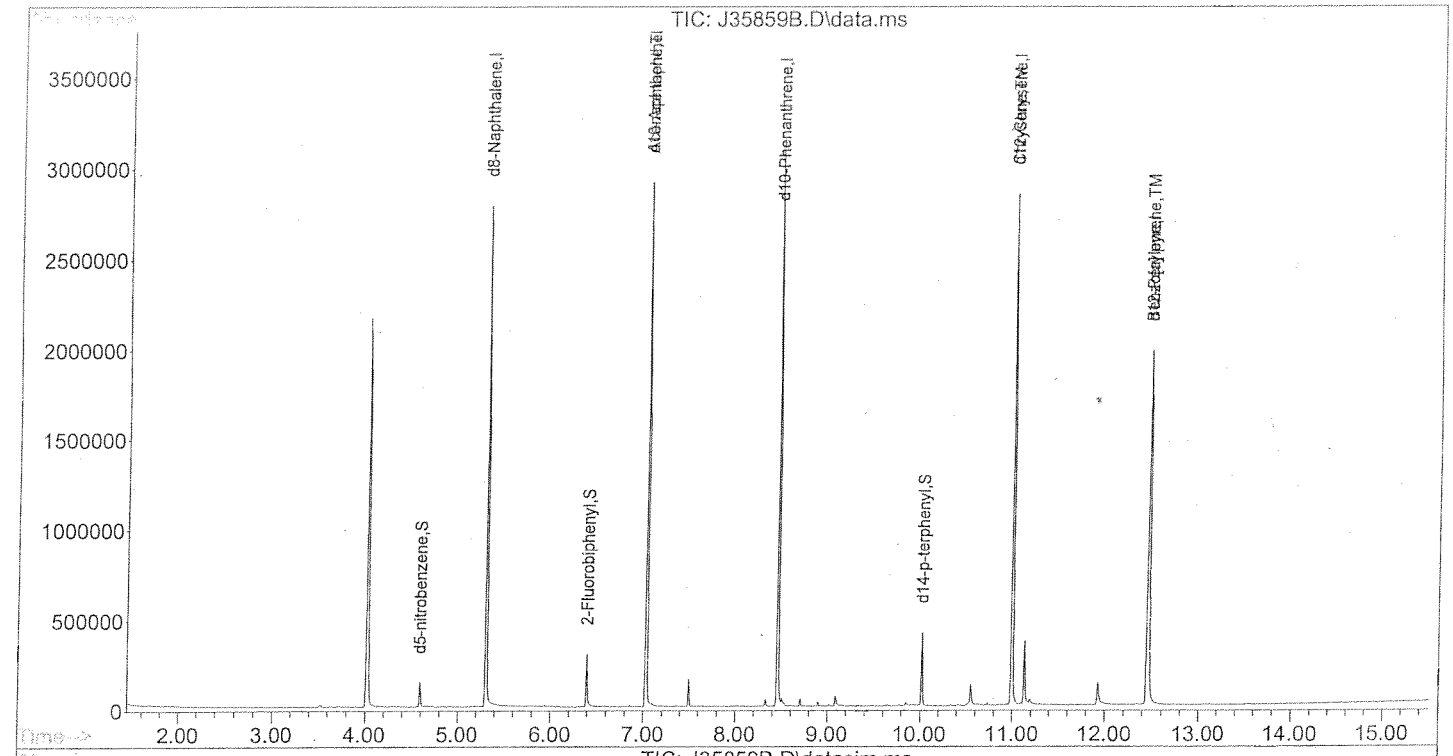
(#) = qualifier out of range (m) = manual integration (+) = signals summed

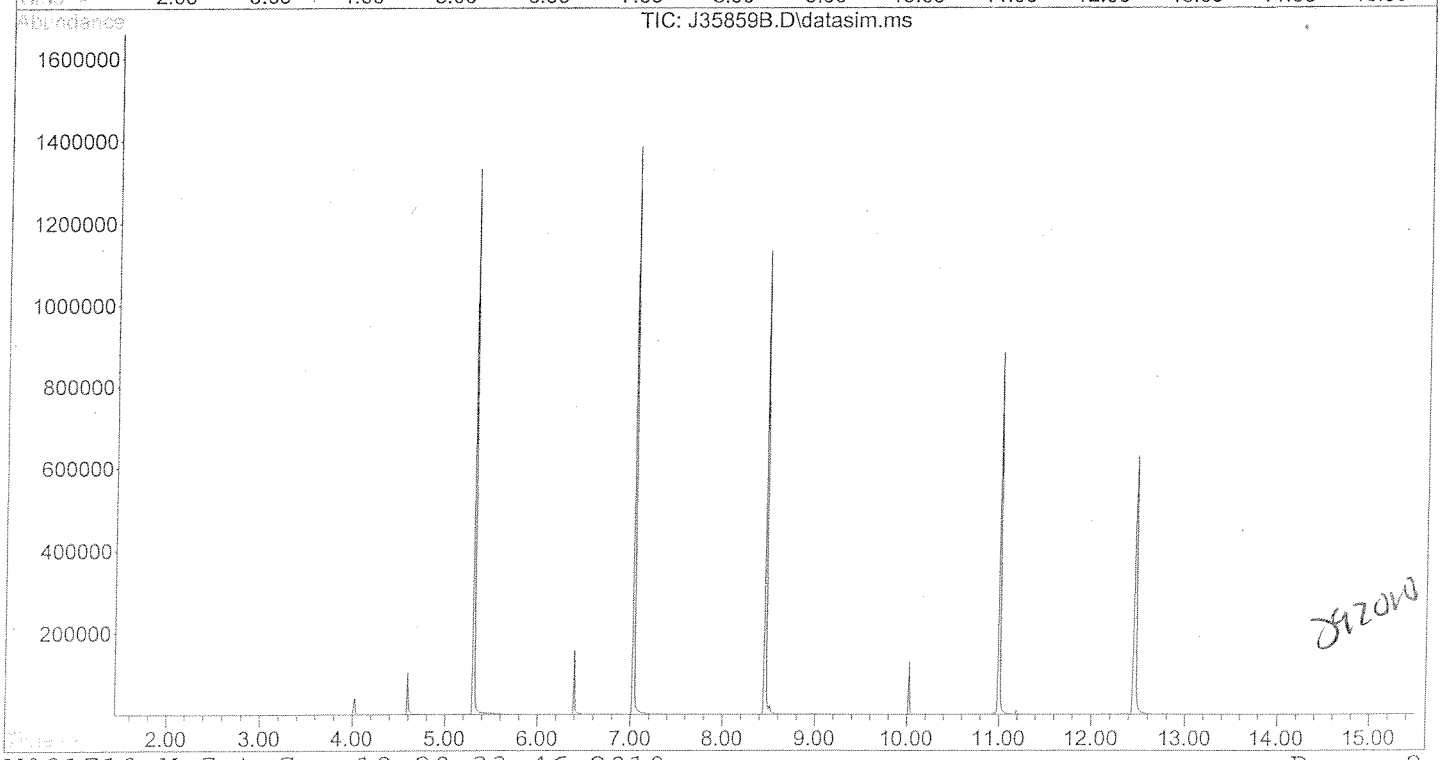
J92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35859B.D
Acq On : 18 Sep 2010 5:35 am
Operator : AR/MG
Sample : B091610SIMASE
Misc : SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 18 20:16:34 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10





DF2000

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

SAMPLE DATA

Lab Sample ID:	67799-1
Matrix:	Solid
Percent Solid:	92
Dilution Factor:	1.1
Collection Date:	09/15/10
Lab Receipt Date:	09/16/10
Extraction Date:	09/16/10
Analysis Date:	09/18/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY Piping & Soil
Project Number:	106-2282
Field Sample ID:	C-B82-DC-B-1

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	7	U
Acenaphthylene	7	U
Acenaphthene	7	U
Fluorene	7	U
Phenanthrene	7	**5.9 J**
Anthracene	7	U
Fluoranthene	7	**10**
Pyrene	7	**8.8**
Benzo[a]anthracene	7	**4.9 J**
Chrysene	7	**4.2 J**
Benzo[b] fluoranthene	7	**6.2 J**
Benzo[k] fluoranthene	7	U
Benzo[a] pyrene	7	**4.2 J**
Dibenz [a,h] anthracene	7	U
Benzo(g,h,i) perylene	7	**4.2 J**
Indeno [1,2,3-cd] pyrene	7	U
2-Methylnaphthalene	7	U

Surrogate Standard Recovery

d5-nitrobenzene	70	%	2-Fluorobiphenyl	83	%	d14-p-terphenyl	89	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35869.D
Acq On : 18 Sep 2010 9:05 am
Operator : AR/MG
Sample : 67799-1
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

DF=1.06

9/18/10

Quant Time: Sep 18 21:01:36 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d8-Naphthalene	5.308	136	1219431	40.00 ug/ml	0.00
5) d10-Acenaphthene	7.030	164	666669	40.00 ug/ml	0.00
11) d10-Phenanthrene	8.458	188	1130382	40.00 ug/ml	0.00
16) d12-Chrysene	11.002	240	997465	40.00 ug/ml	0.00
21) d12-Perylene	12.467	264	868425	40.00 ug/ml	0.00
System Monitoring Compounds					
2) d5-nitrobenzene	4.592	82	49425	3.51 ug/ml	0.00
Spiked Amount 5.000	Range 35 - 100		Recovery	= 70.20%	
6) 2-Fluorobiphenyl	6.397	172	130536	4.13 ug/ml	0.00
Spiked Amount 5.000	Range 45 - 105		Recovery	= 82.60%	
18) d14-p-terphenyl	10.018	244	105153	4.44 ug/ml	0.00
Spiked Amount 5.000	Range 30 - 125		Recovery	= 88.80%	
Target Compounds					Qvalue
12) Phenanthrene	8.476	178	4060	0.08 ug/ml	97
15) Fluoranthene 10 ng/kg	9.618	202	7684	0.14 ug/ml	99
17) Pyrene	9.827	202	6855	0.12 ug/ml	99
19) Benzo[a]anthracene 4.9 J	10.983	226	996	0.07 ug/ml#	33
20) Chrysene 4.2 J	11.021	228	2882	0.06 ug/ml	95
22) Benzo[b] fluoranthene	12.056	252	3666	0.09 ug/ml#	74
24) Benzo[a] pyrene 4.25 J	12.391	252	2421m	0.06 ug/ml	
27) Benzo(g,h,i) perylene 4.25	13.923	276	2170	0.06 ug/ml	94

8

(#) = qualifier out of range (m) = manual integration (+) = signals summed

J92010

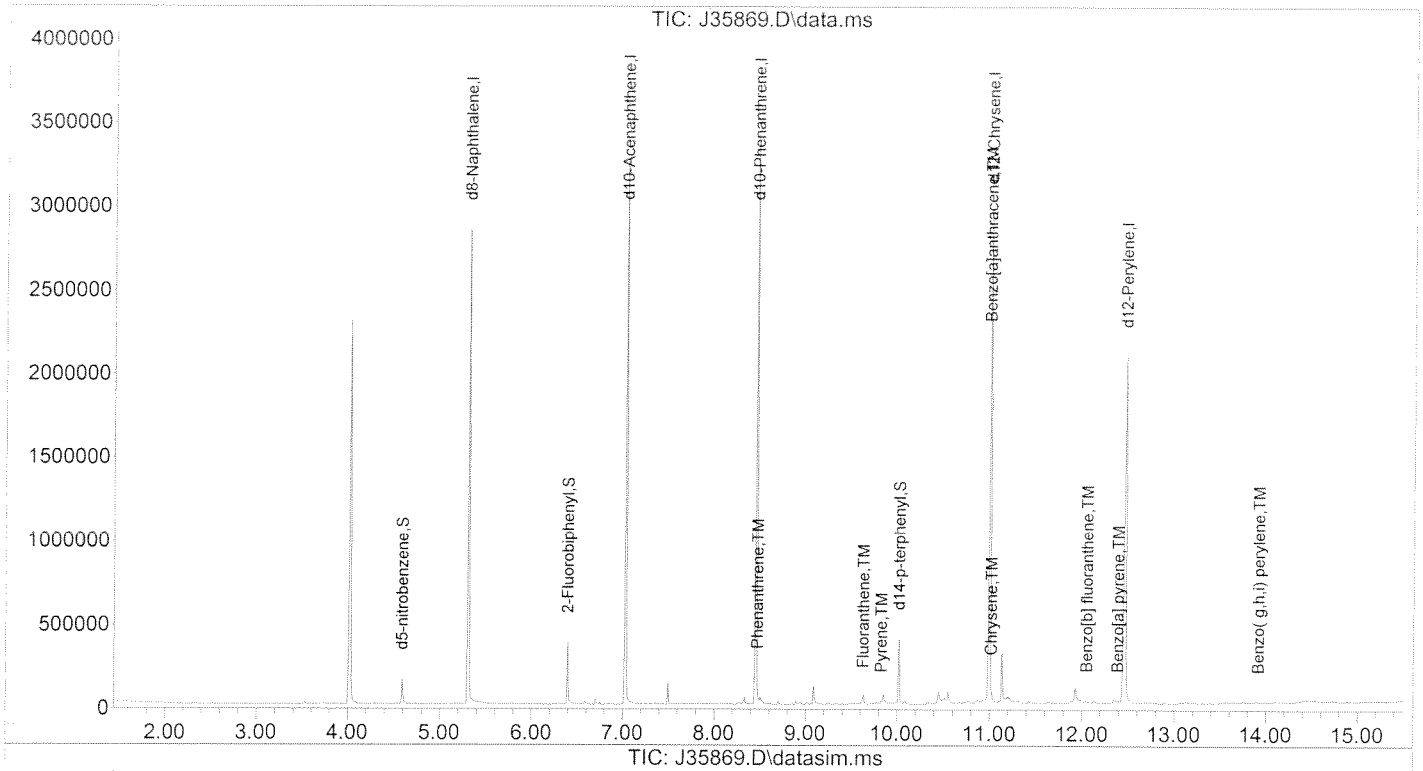
15.469
%SCG = 91.84

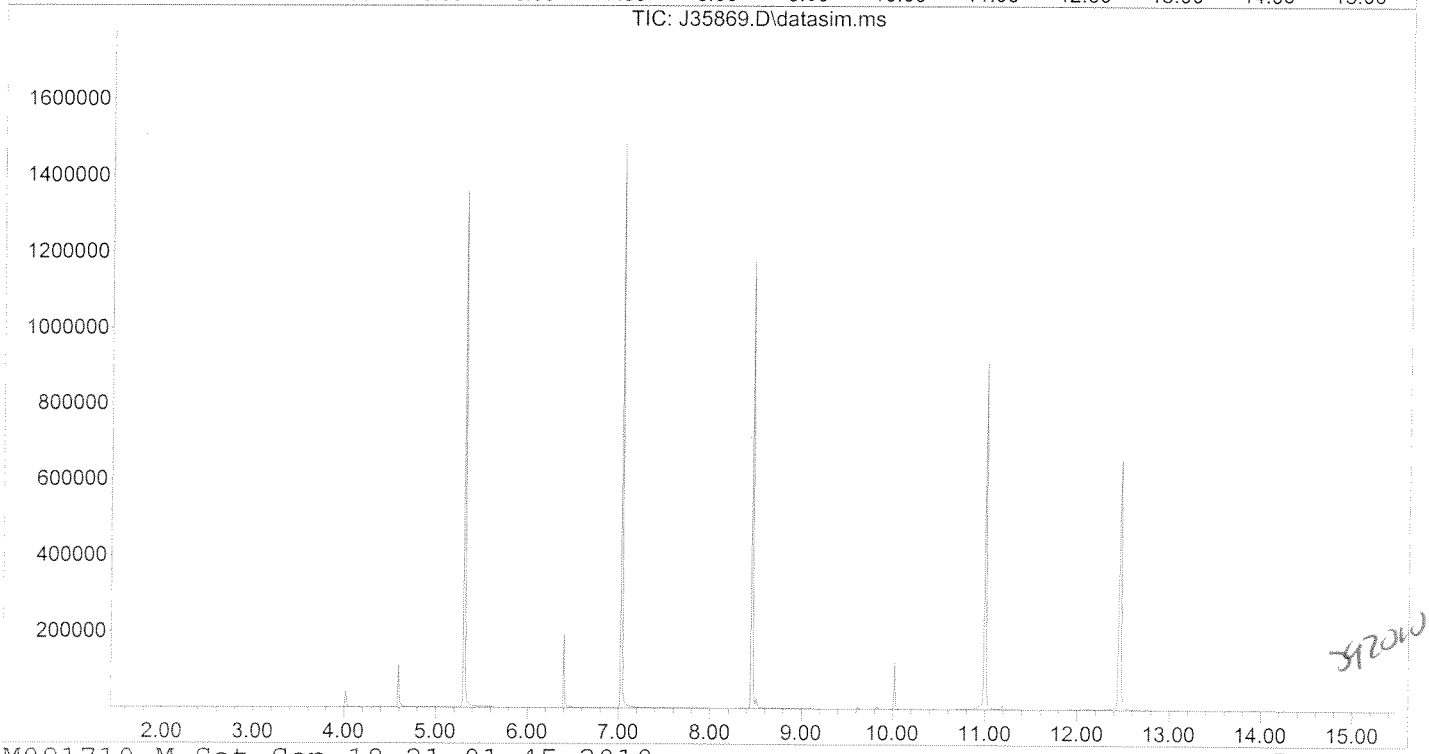
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35869.D
Acq On : 18 Sep 2010 9:05 am
Operator : AR/MG
Sample : 67799-1
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 21:01:36 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10





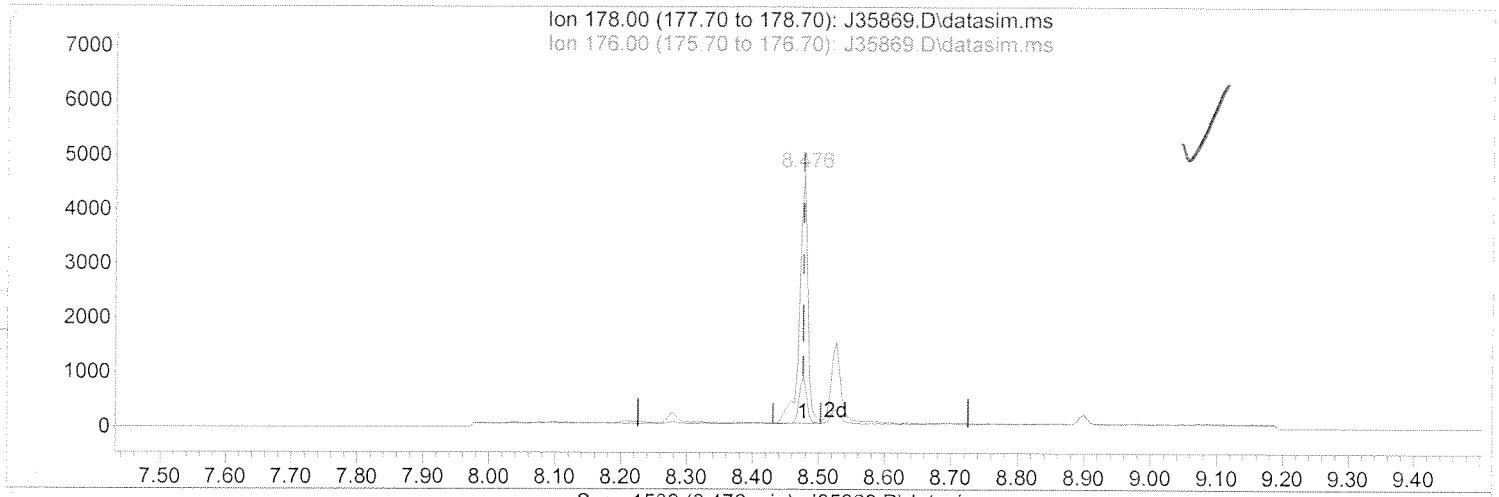
9/20/10

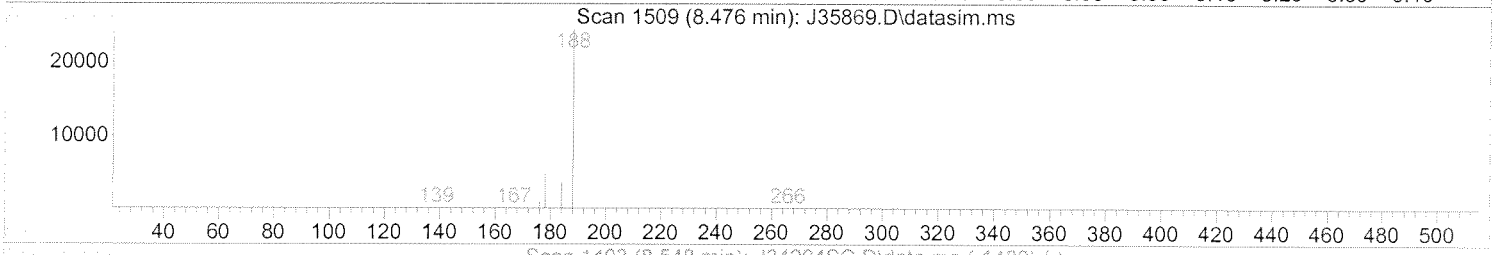
Quantitation Report (Qedit)

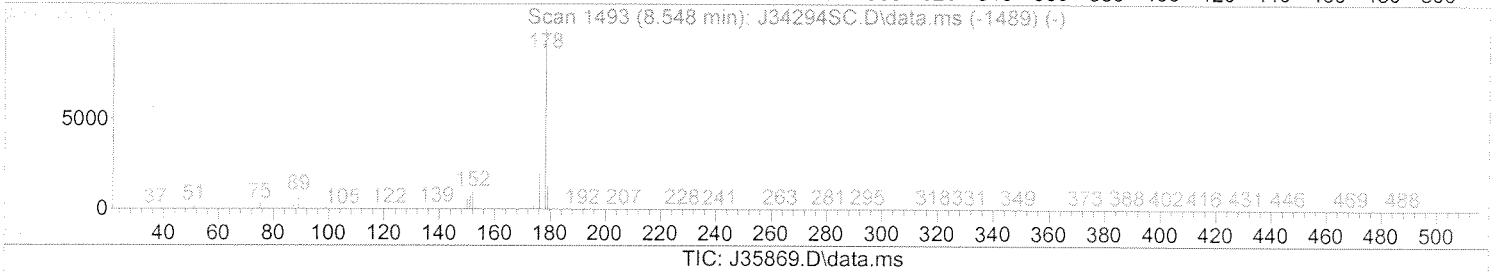
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35869.D
Acq On : 18 Sep 2010 9:05 am
Operator : AR/MG
Sample : 67799-1
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 21:01:36 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35869.D\data.ms

(12) Phenanthrene (TM)

8.476min (-0.000) 0.08ug/ml

response 4060

Ion	Exp%	Act%
-178.00	100	100
176.00	18.80	17.64
0.00	0.00	0.00
0.00	0.00	0.00

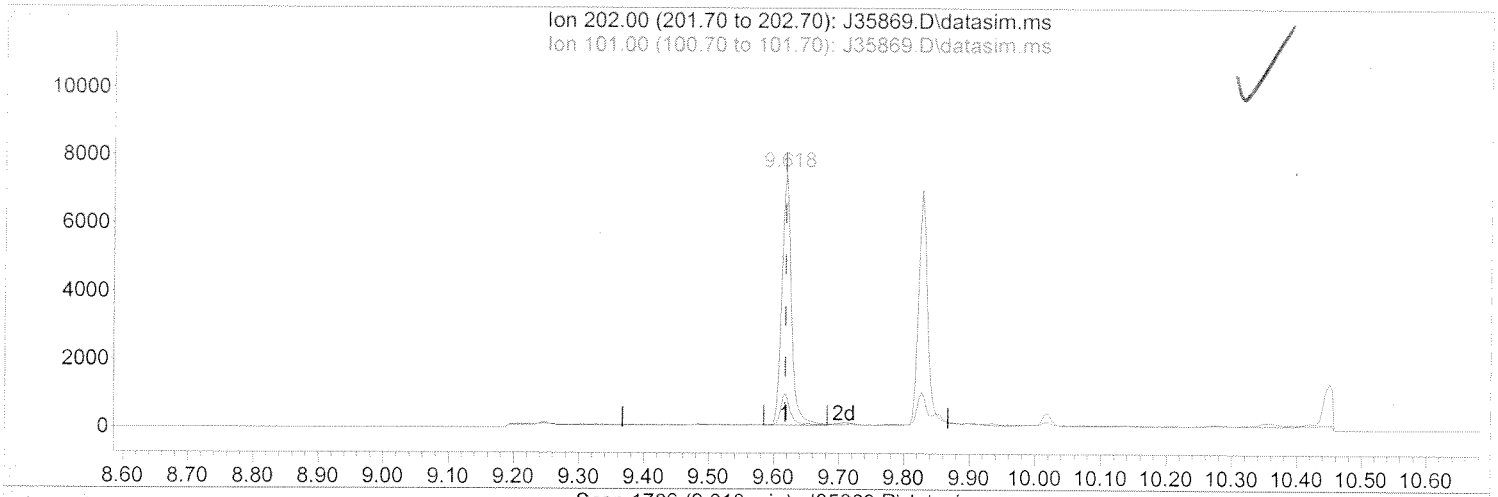
9-2010

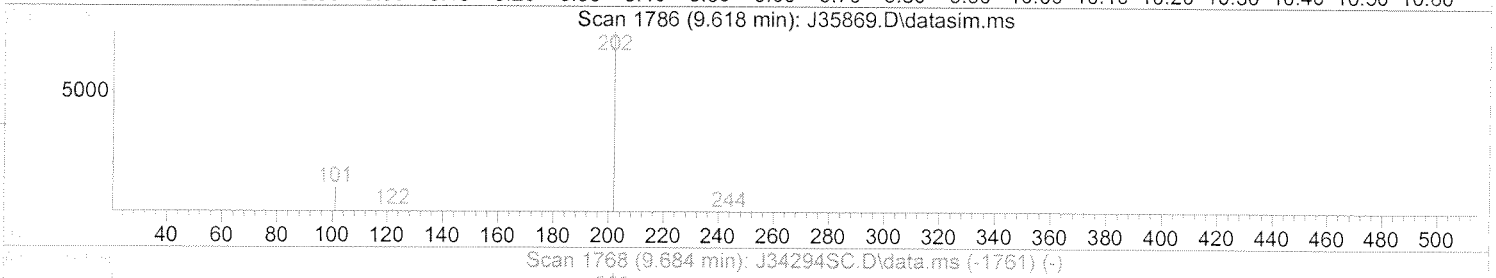
Quantitation Report (Qedit)

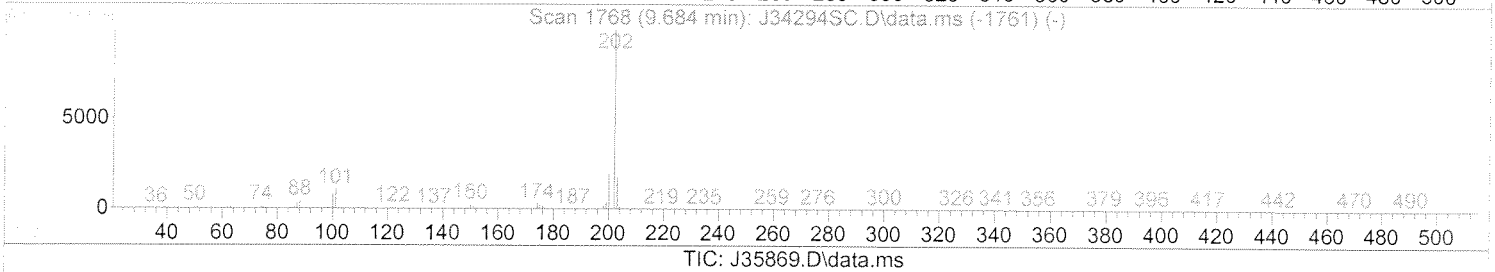
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35869.D
Acq On : 18 Sep 2010 9:05 am
Operator : AR/MG
Sample : 67799-1
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 21:01:36 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







(15) Fluoranthene (TM)

9.618min (-0.000) 0.14ug/ml

response 7684

Ion	Exp%	Act%
-202.00	100	100
101.00	11.90	12.48
0.00	0.00	0.00
0.00	0.00	0.00

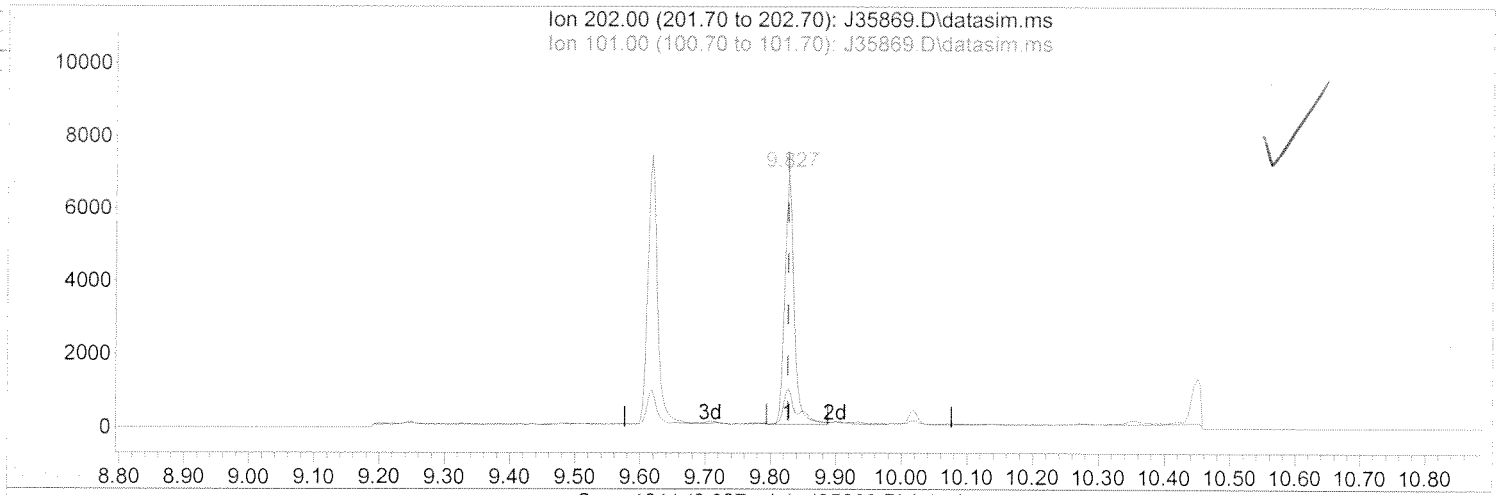
3/2010

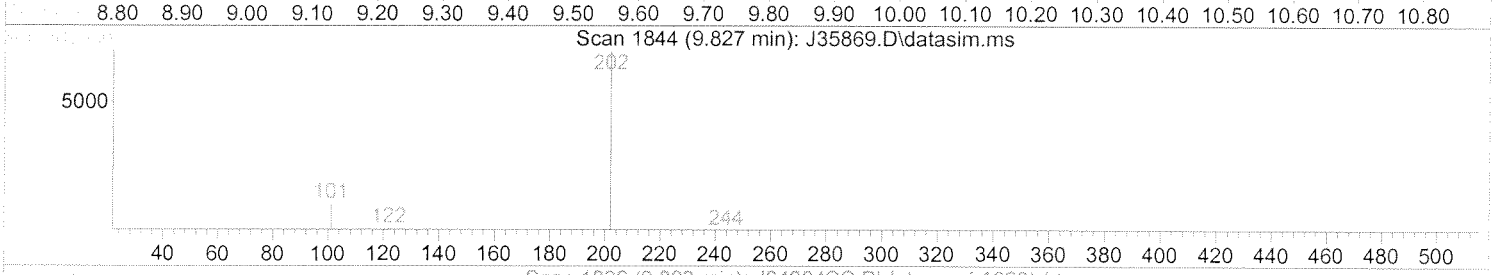
Quantitation Report (Qedit)

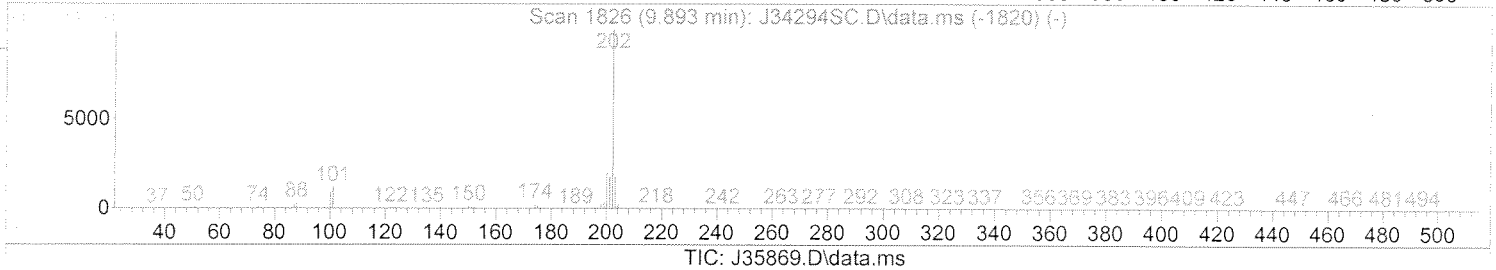
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35869.D
Acq On : 18 Sep 2010 9:05 am
Operator : AR/MG
Sample : 67799-1
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 21:01:36 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35869.D\data.ms

(17) Pyrene (TM)

9.827min (-0.000) 0.12ug/ml

response 6855

Ion	Exp%	Act%
-202.00	100	100
101.00	13.70	13.93
0.00	0.00	0.00
0.00	0.00	0.00

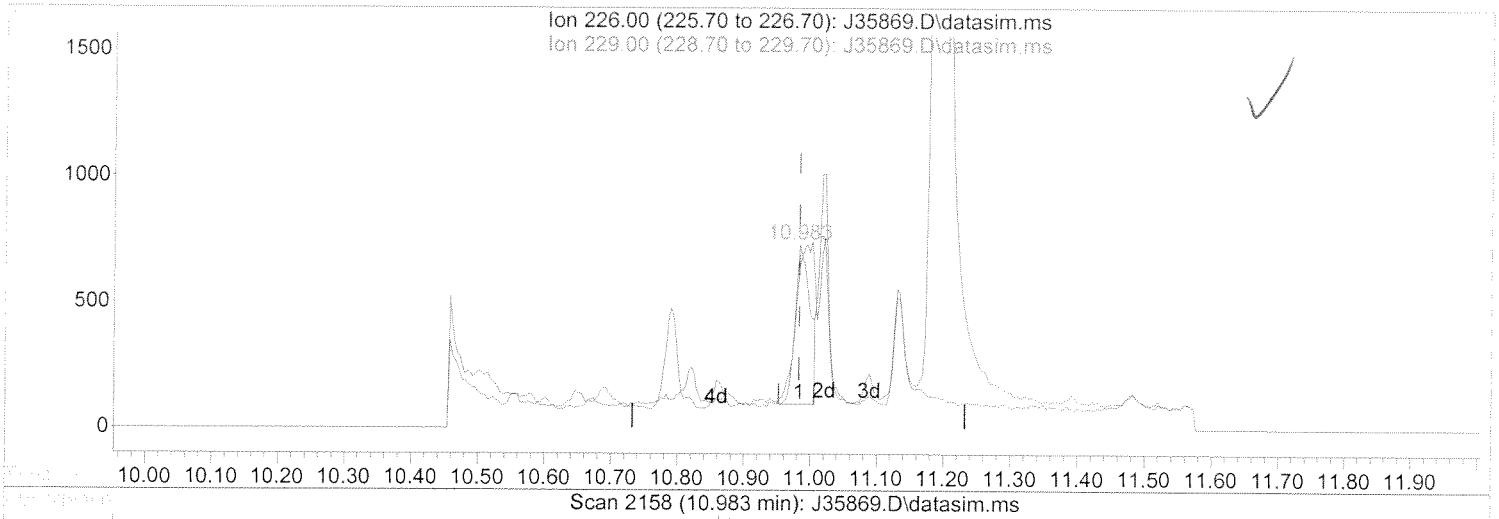
J92010

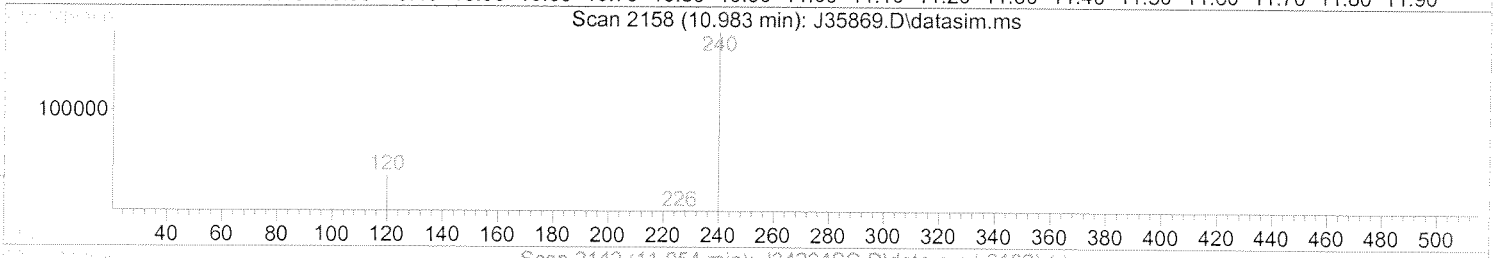
Quantitation Report (Qedit)

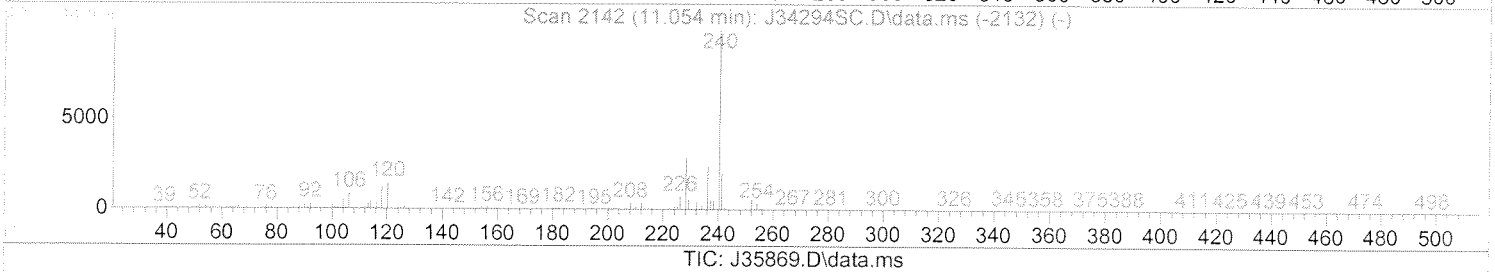
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35869.D
Acq On : 18 Sep 2010 9:05 am
Operator : AR/MG
Sample : 67799-1
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 21:01:36 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







(19) Benzo[a]anthracene (TM)

10.983min (-0.000) 0.07ug/ml

response 996

Ion	Exp%	Act%
-226.00	100	100
229.00	71.20	126.61#
0.00	0.00	0.00
0.00	0.00	0.00

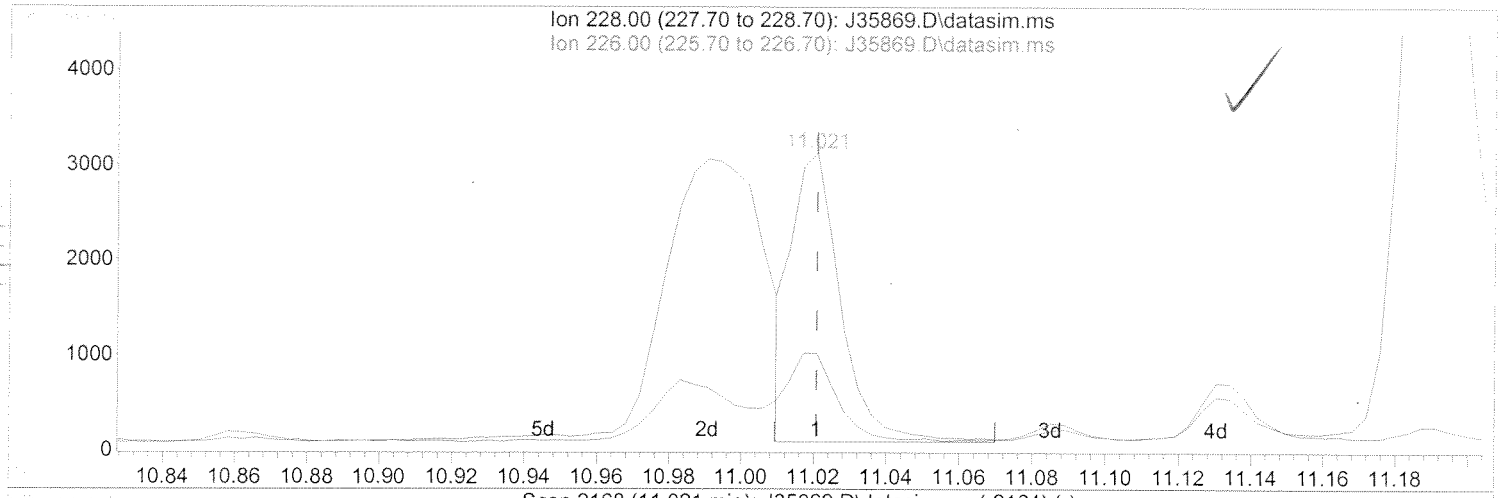
J92010

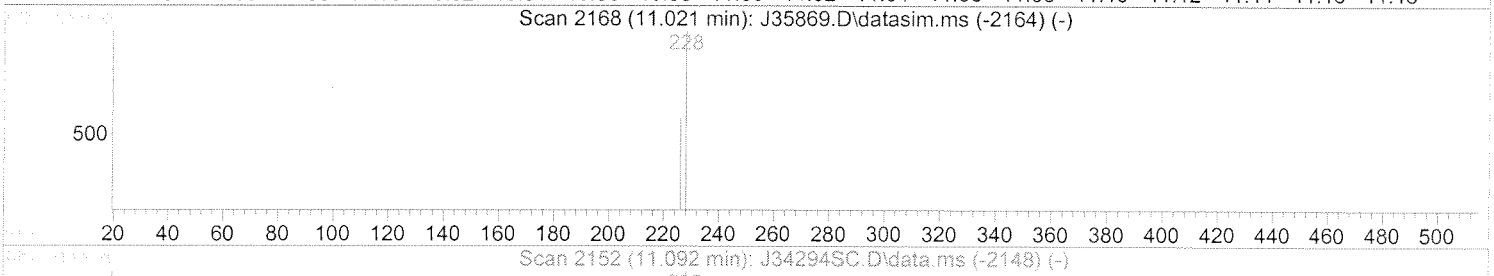
Quantitation Report (Qedit)

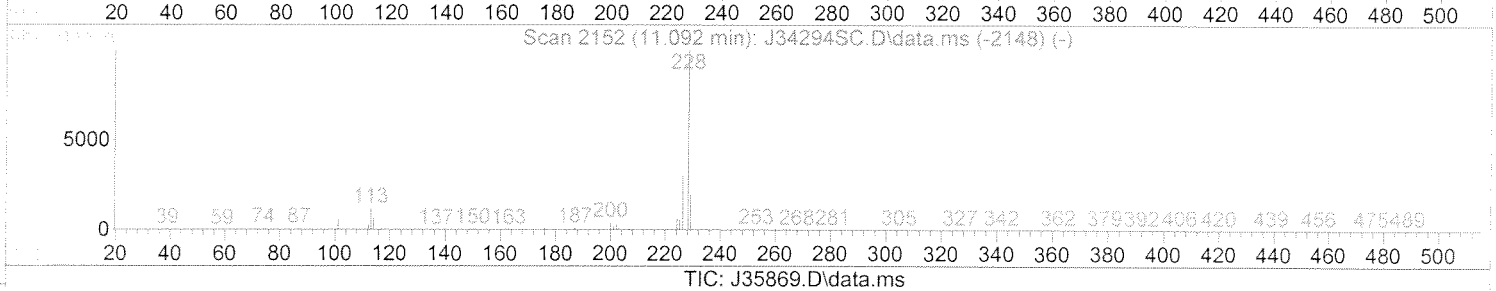
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35869.D
Acq On : 18 Sep 2010 9:05 am
Operator : AR/MG
Sample : 67799-1
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 21:01:36 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







(20) Chrysene (TM)

11.021min (-0.000) 0.06ug/ml

response 2882

Ion	Exp%	Act%
-228.00	100	100
226.00	29.00	31.58
0.00	0.00	0.00
0.00	0.00	0.00

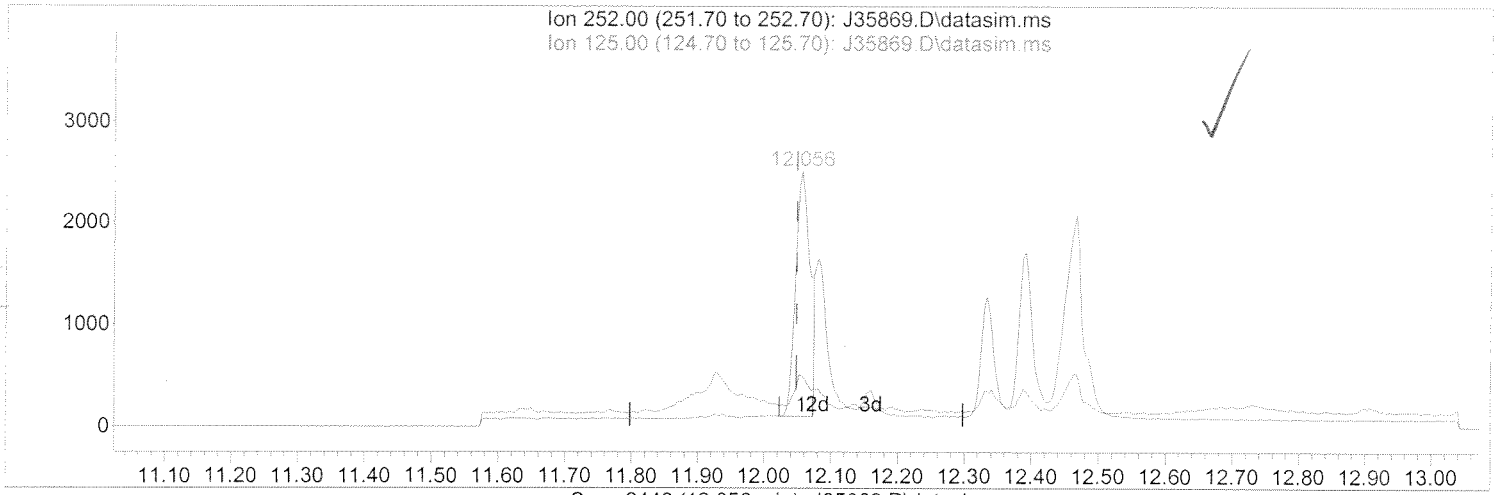
5/2010

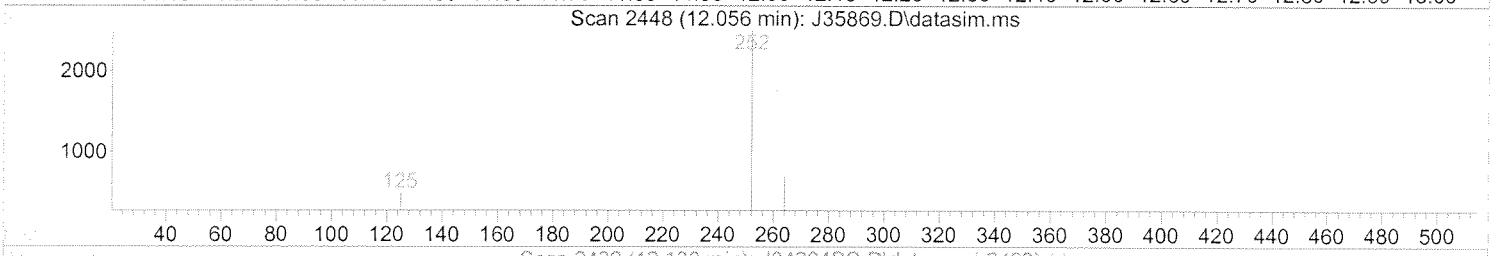
Quantitation Report (Qedit)

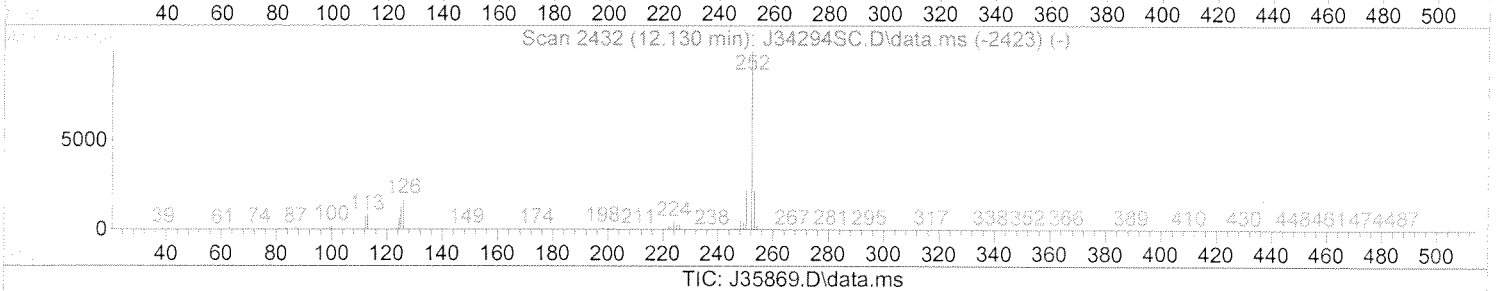
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35869.D
Acq On : 18 Sep 2010 9:05 am
Operator : AR/MG
Sample : 67799-1
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

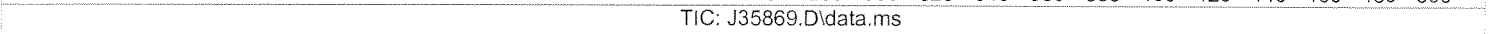
Quant Time: Sep 18 21:01:36 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10









(22) Benzo[b] fluoranthene (TM)

12.056min (+0.007) 0.09ug/ml

response 3666

Ion	Exp%	Act%
-252.00	100	100
125.00	11.70	21.90#
0.00	0.00	0.00
0.00	0.00	0.00

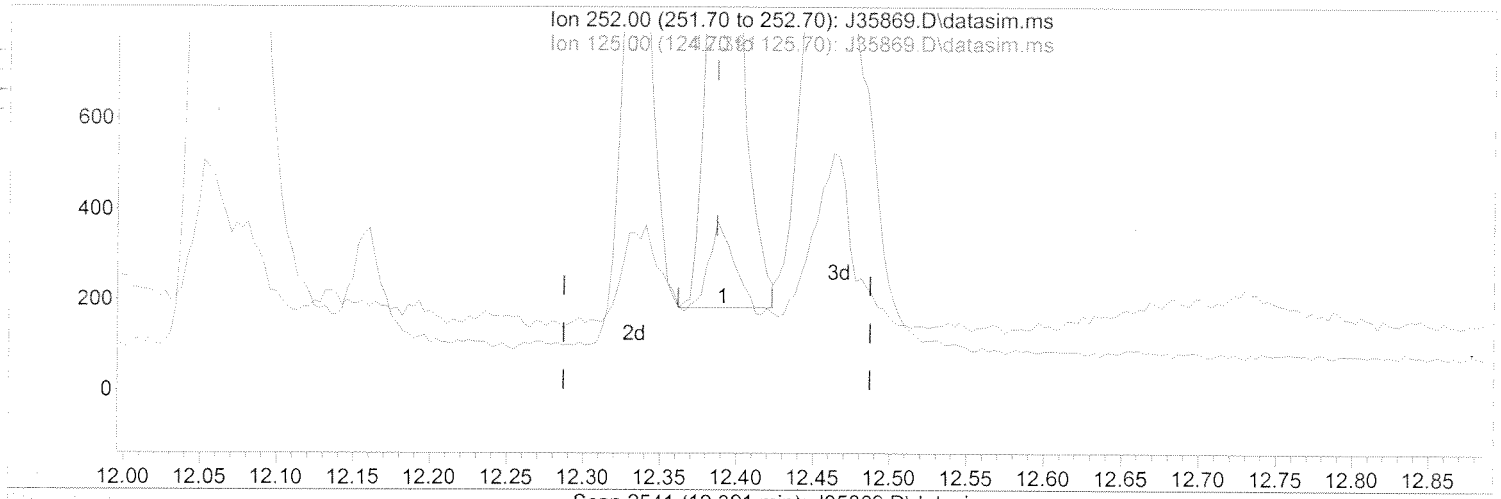
9/20/10

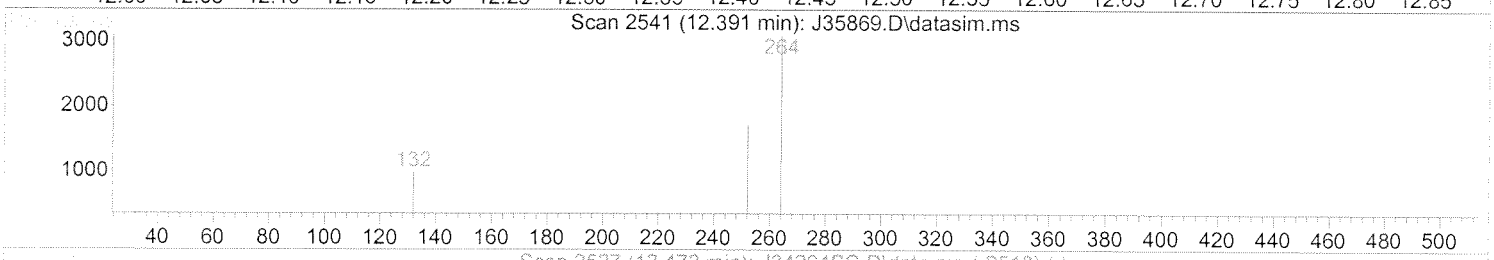
Quantitation Report (Qedit)

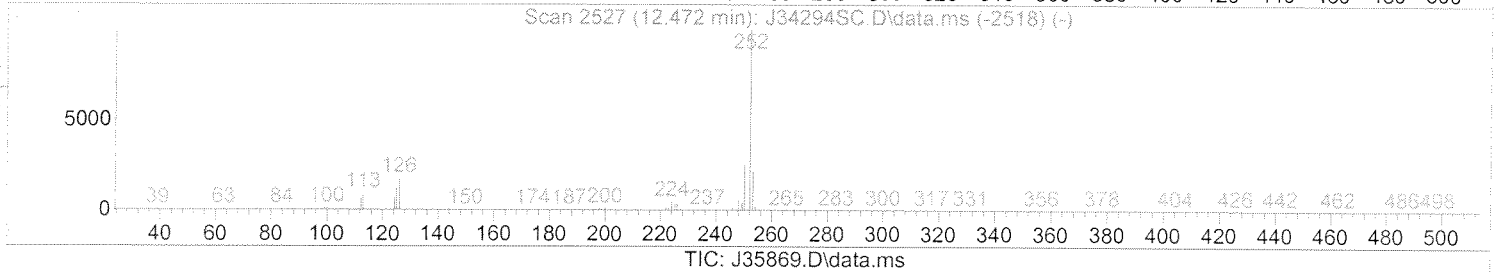
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35869.D
Acq On : 18 Sep 2010 9:05 am
Operator : AR/MG
Sample : 67799-1
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 20:16:44 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10
baseline







(24) Benzo[a] pyrene (TM)

12.391min (+0.004) 0.05ug/ml

response 2082

Ion	Exp%	Act%
-252.00	100	100
125.00	13.60	12.25
0.00	0.00	0.00
0.00	0.00	0.00

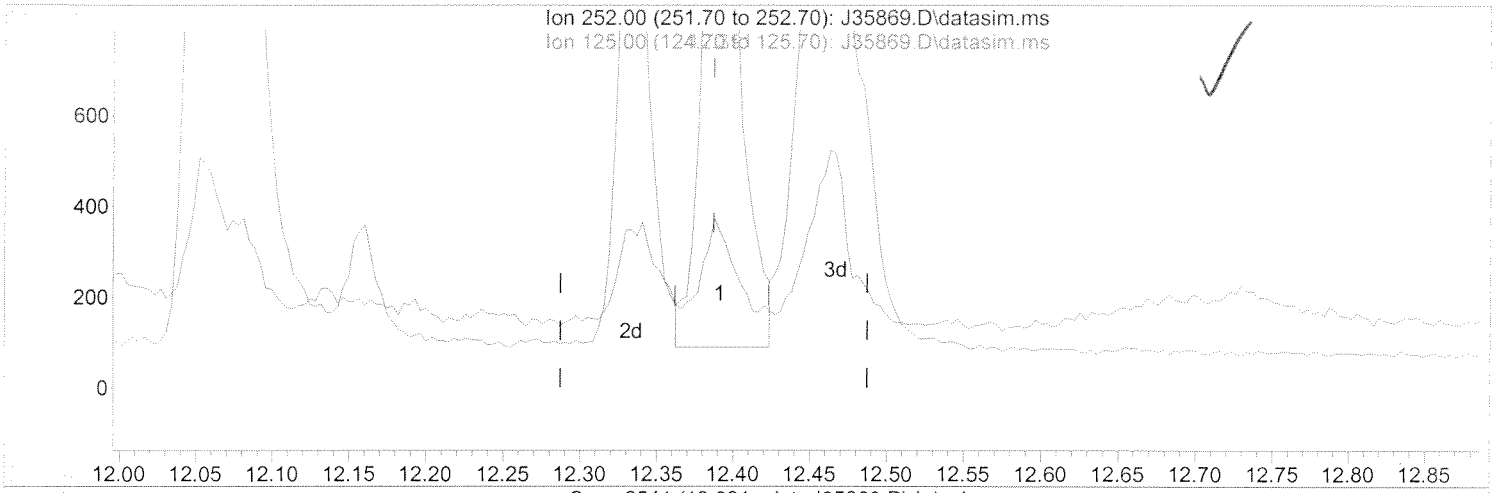
J92010

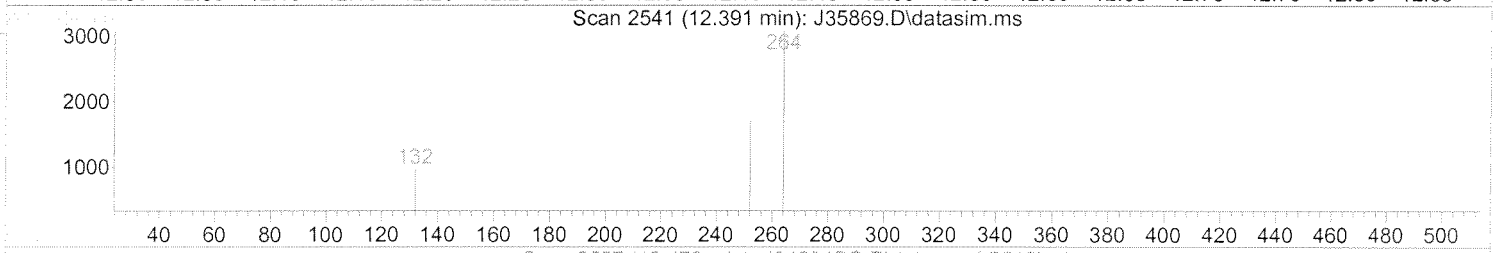
Quantitation Report (Qedit)

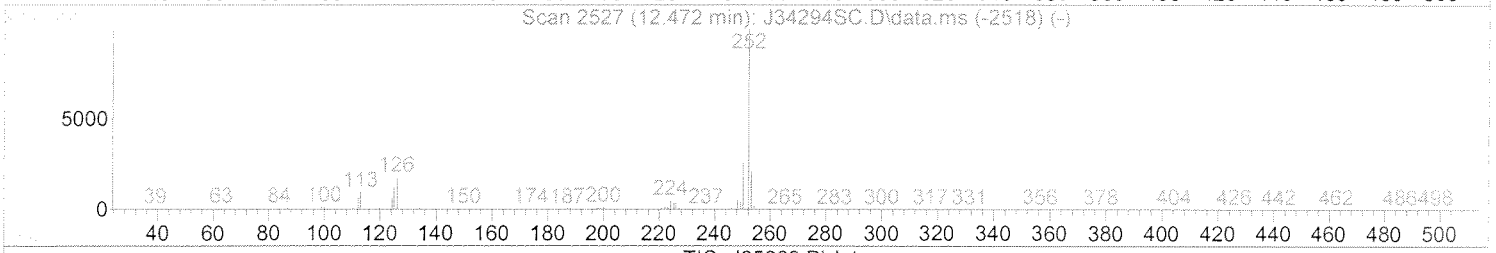
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35869.D
Acq On : 18 Sep 2010 9:05 am
Operator : AR/MG
Sample : 67799-1
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 20:16:44 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

AR 9/18/10







TIC: J35869.D\data.ms

(24) Benzo[a] pyrene (TM)

12.391min (+0.004) 0.06ug/ml m

response 2421

Ion	Exp%	Act%
-252.00	100	100
125.00	13.60	10.53#
0.00	0.00	0.00
0.00	0.00	0.00

J92010

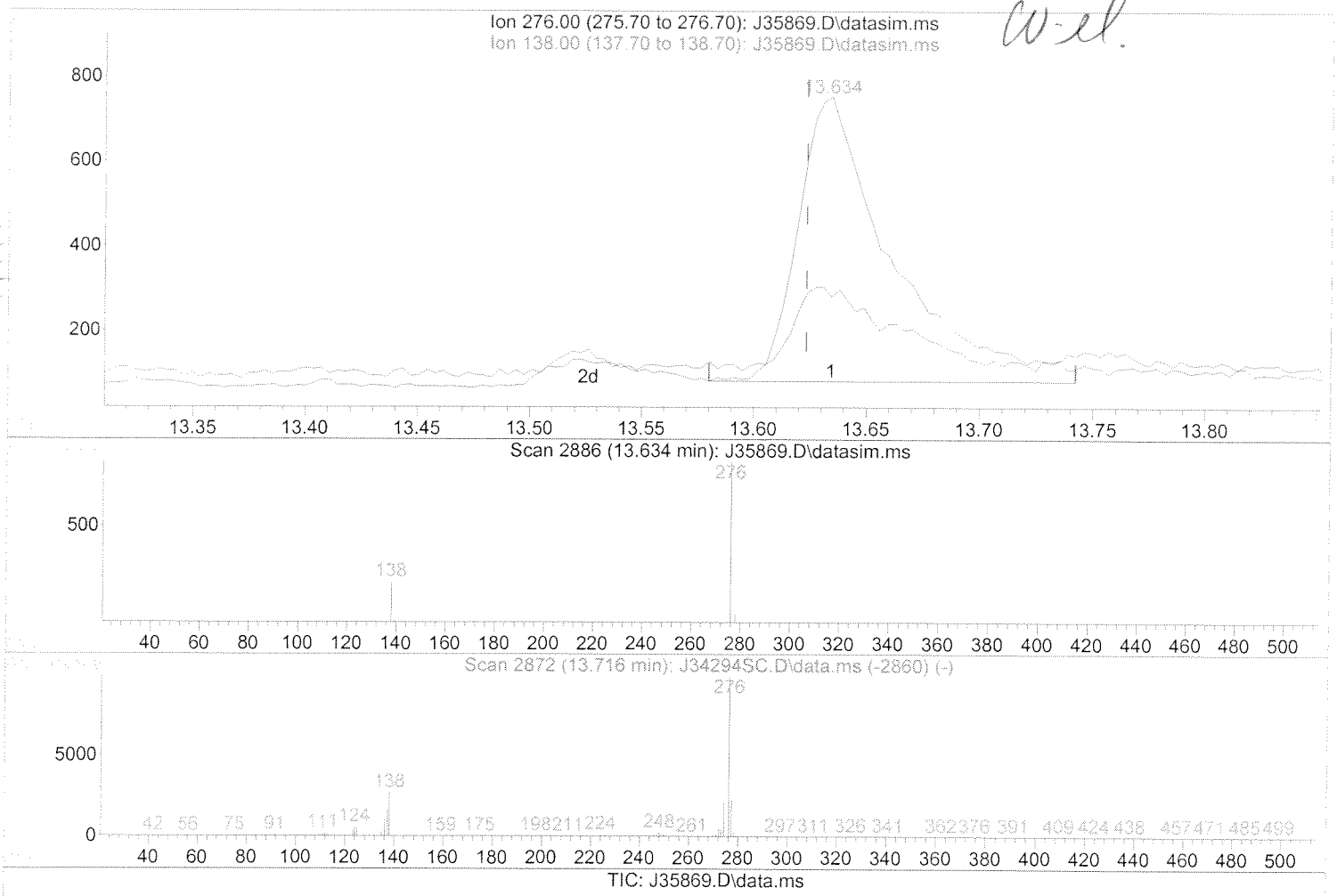
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35869.D
Acq On : 18 Sep 2010 9:05 am
Operator : AR/MG
Sample : 67799-1
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 20:16:44 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10

w-el.



(25) Indeno [1,2,3-cd] pyrene (TM)

13.634min (+0.011) 0.07ug/ml

response 1959

Ion	Exp%	Act%
-276.00	100	100
138.00	30.20	32.67
0.00	0.00	0.00
0.00	0.00	0.00

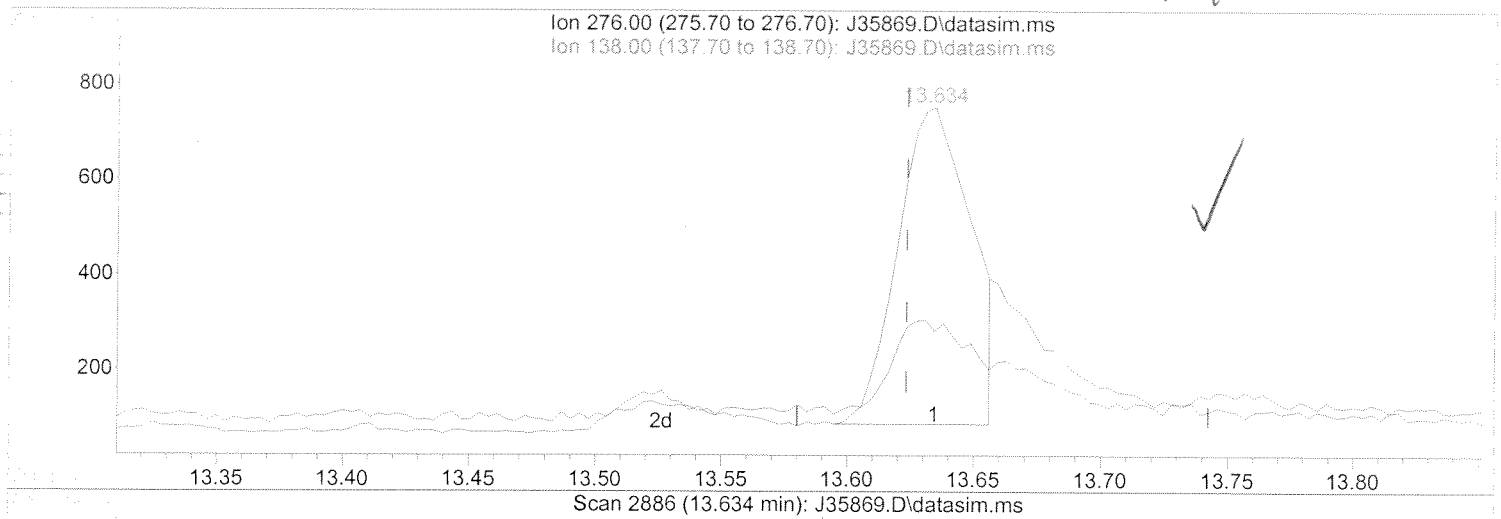
392dw

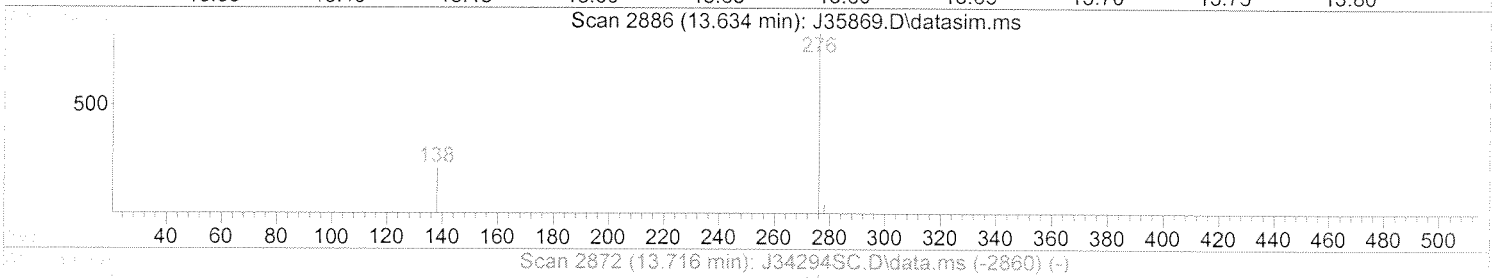
Quantitation Report (Qedit)

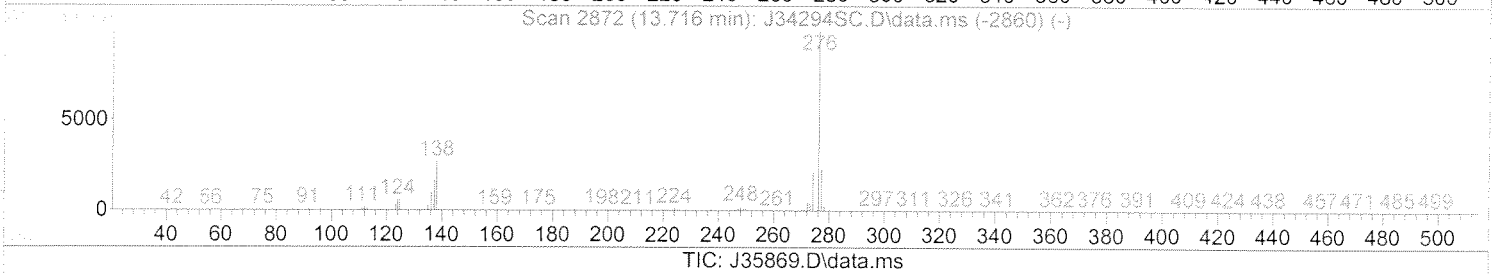
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35869.D
Acq On : 18 Sep 2010 9:05 am
Operator : AR/MG
Sample : 67799-1
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 20:16:44 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35869.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.634min (+0.011) 0.05ug/ml m

response 1342

ion	Exp%	Act%
-276.00	100	100
138.00	30.20	47.69#
0.00	0.00	0.00
0.00	0.00	0.00

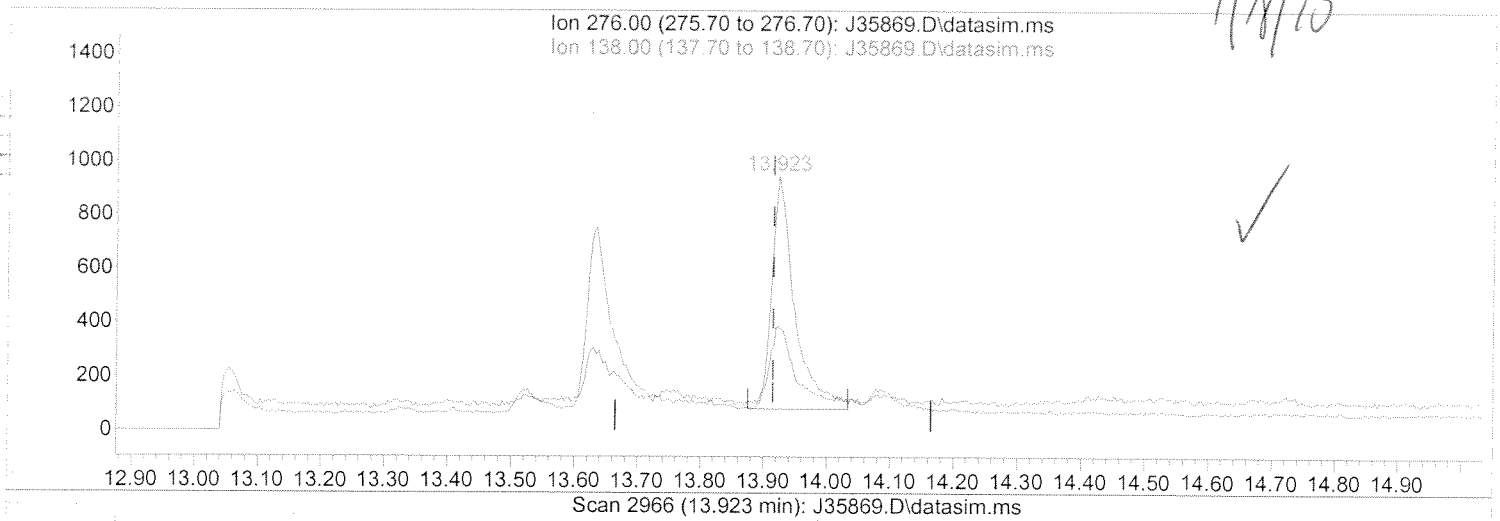
3092010

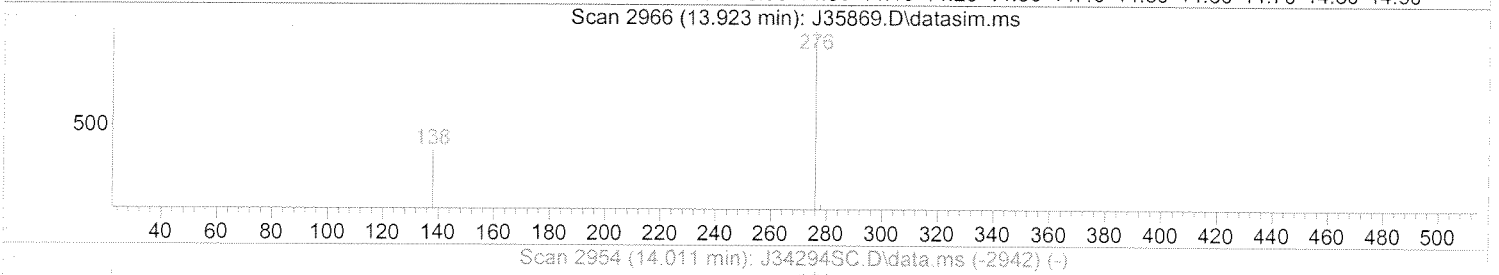
Quantitation Report (Qedit)

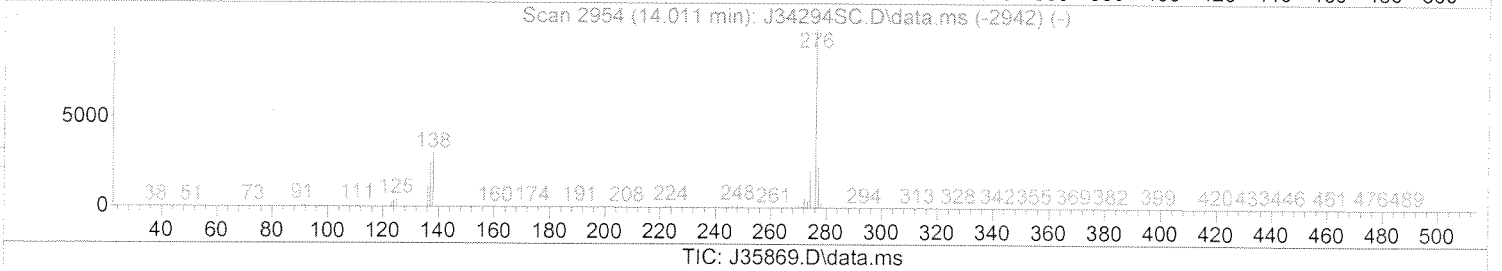
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35869.D
Acq On : 18 Sep 2010 9:05 am
Operator : AR/MG
Sample : 67799-1
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 18 21:01:36 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35869.D\data.ms

(27) Benzo(g,h,i) perylene (TM)

13.923min (+0.007) 0.06ug/ml

response 2170

Ion	Exp%	Act%
276.00	100	100
138.00	32.20	35.58
0.00	0.00	0.00
0.00	0.00	0.00

9/20/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

SAMPLE DATA

Lab Sample ID:	67799-2
Matrix:	Solid
Percent Solid:	92
Dilution Factor:	1.0
Collection Date:	09/15/10
Lab Receipt Date:	09/16/10
Extraction Date:	09/16/10
Analysis Date:	09/18/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY Piping & Soil
Project Number:	106-2282
Field Sample ID:	C-B82-DC-B-2

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	7	U
Acenaphthylene	7	U
Acenaphthene	7	U
Fluorene	7	U
Phenanthrene	7	**12**
Anthracene	7	U
Fluoranthene	7	**8.4**
Pyrene	7	**7.2**
Benzo[a]anthracene	7	U
Chrysene	7	U
Benzo[b] fluoranthene	7	U
Benzo[k] fluoranthene	7	U
Benzo[a] pyrene	7	U
Dibenz [a,h] anthracene	7	U
Benzo(g,h,i) perylene	7	U
Indeno [1,2,3-cd] pyrene	7	U
2-Methylnaphthalene	7	U

Surrogate Standard Recovery

d5-nitrobenzene	72	%	2-Fluorobiphenyl	85	%	d14-p-terphenyl	101	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35872.D
Acq On : 18 Sep 2010 10:09 am
Operator : AR/MG
Sample : 67799-2
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

DF = 1.05

Quant Time: Sep 18 21:11:35 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MC 9/18/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d8-Naphthalene	5.308	136	1197316	40.00	ug/ml	0.00
5) d10-Acenaphthene	7.031	164	656944	40.00	ug/ml	0.00
11) d10-Phenanthrene	8.459	188	1134270	40.00	ug/ml	0.00
16) d12-Chrysene	11.002	240	987496	40.00	ug/ml	0.00
21) d12-Perylene	12.467	264	901625	40.00	ug/ml	0.00
System Monitoring Compounds						
2) d5-nitrobenzene	4.592	82	49595	3.59	ug/ml	0.00
Spiked Amount 5.000	Range 35 - 100		Recovery = 71.80%			
6) 2-Fluorobiphenyl	6.397	172	132386	4.27	ug/ml	0.00
Spiked Amount 5.000	Range 45 - 105		Recovery = 85.40%			
18) d14-p-terphenyl	10.018	244	117427	5.07	ug/ml	0.00
Spiked Amount 5.000	Range 30 - 125		Recovery = 101.40%			
Target Compounds						Qvalue
12) Phenanthrene 12-9-10	8.477	178	8037	0.17	ug/ml	100
15) Fluoranthene	9.618	202	6428	0.12	ug/ml	99
17) Pyrene	9.827	202	5632	0.10	ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

9-9-2010

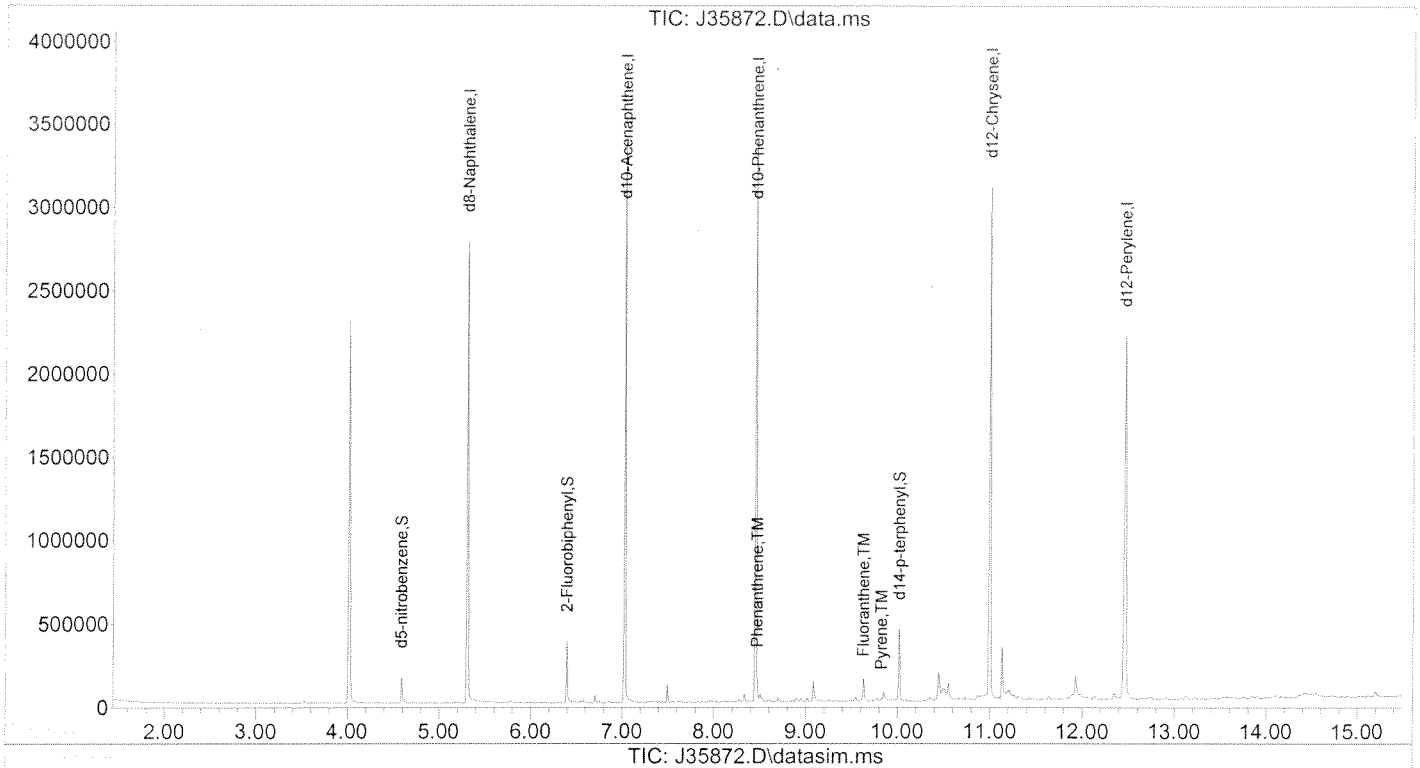
15.59g
%SD = 91.74

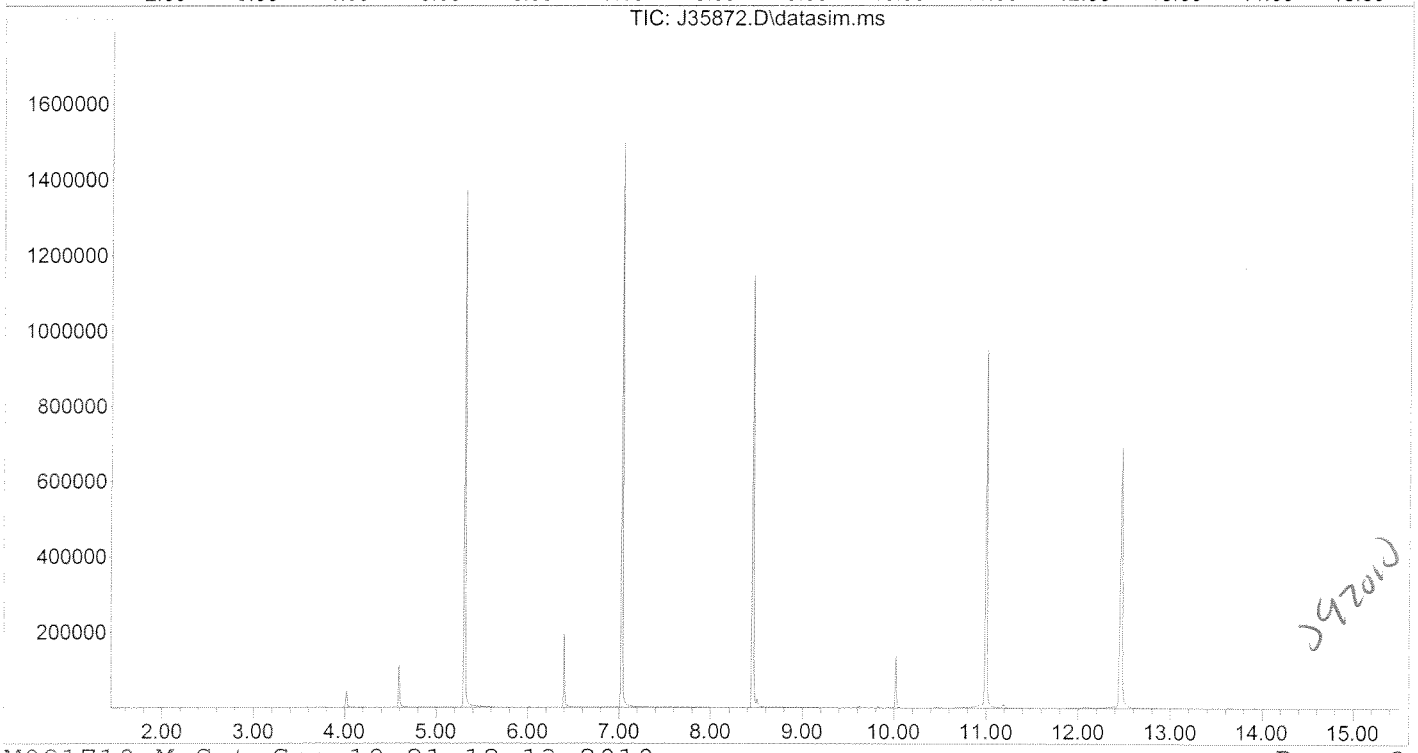
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35872.D
Acq On : 18 Sep 2010 10:09 am
Operator : AR/MG
Sample : 67799-2
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 18 21:11:35 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10





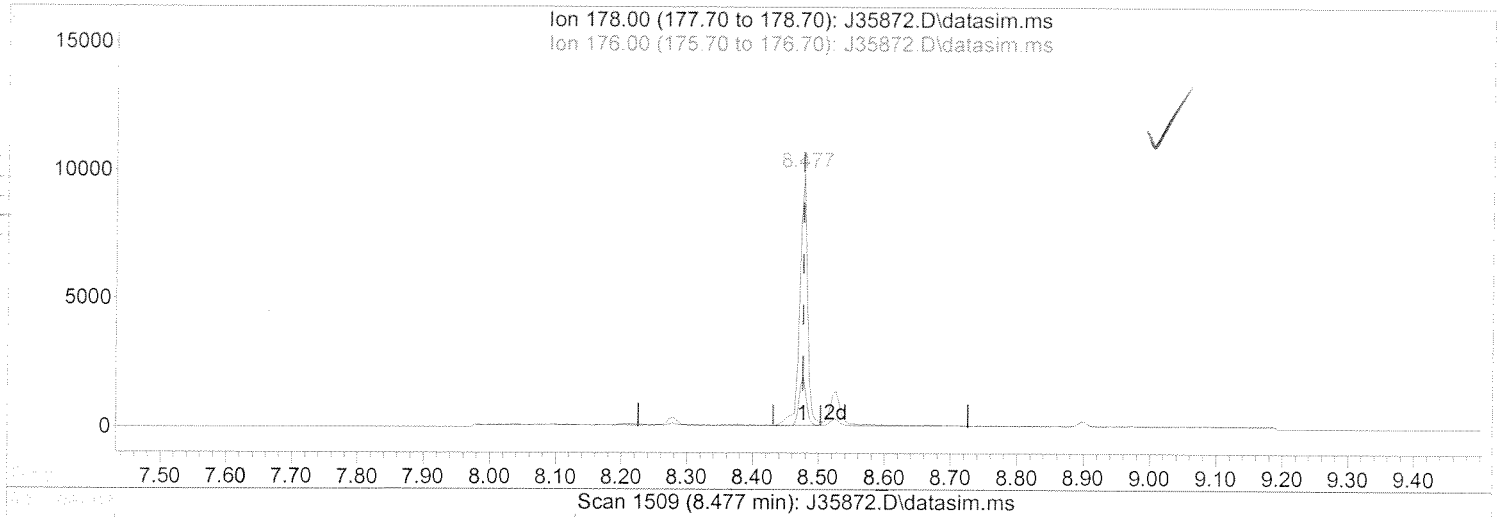
J92010

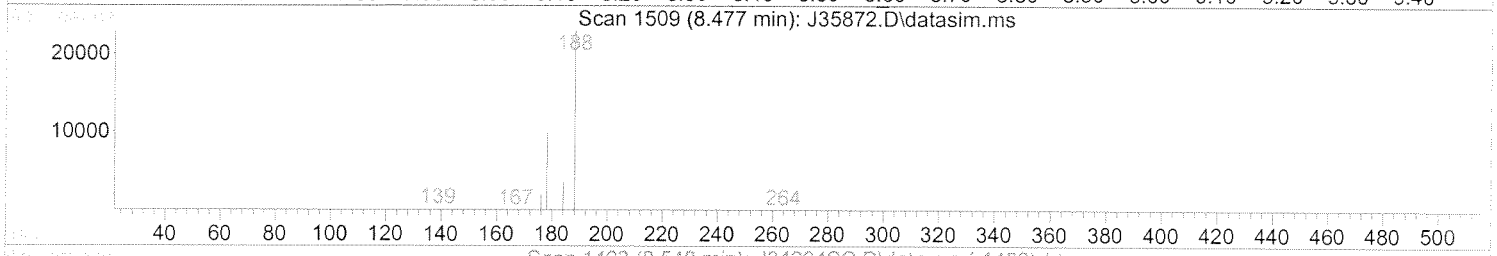
Quantitation Report (Qedit)

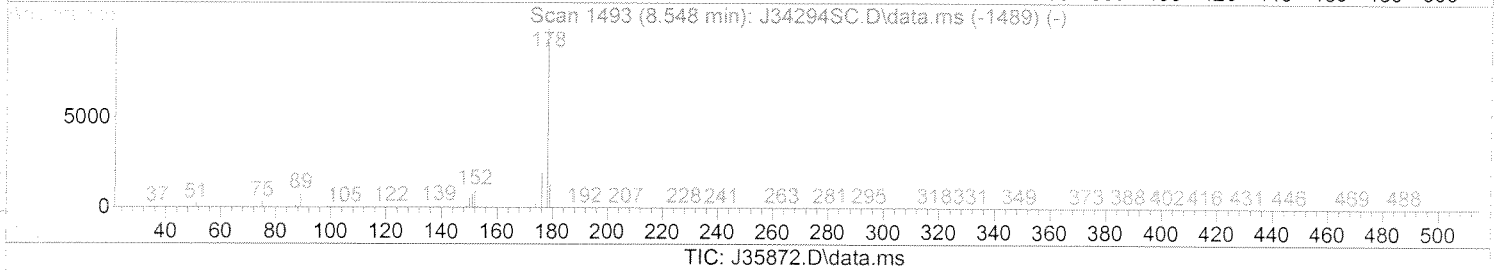
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35872.D
Acq On : 18 Sep 2010 10:09 am
Operator : AR/MG
Sample : 67799-2
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 18 20:16:47 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MC
9/18/10







(12) Phenanthrene (TM)

8.477min (+0.000) 0.17ug/ml

response 8037

Ion	Exp%	Act%
-178.00	100	100
176.00	18.80	18.60
0.00	0.00	0.00
0.00	0.00	0.00

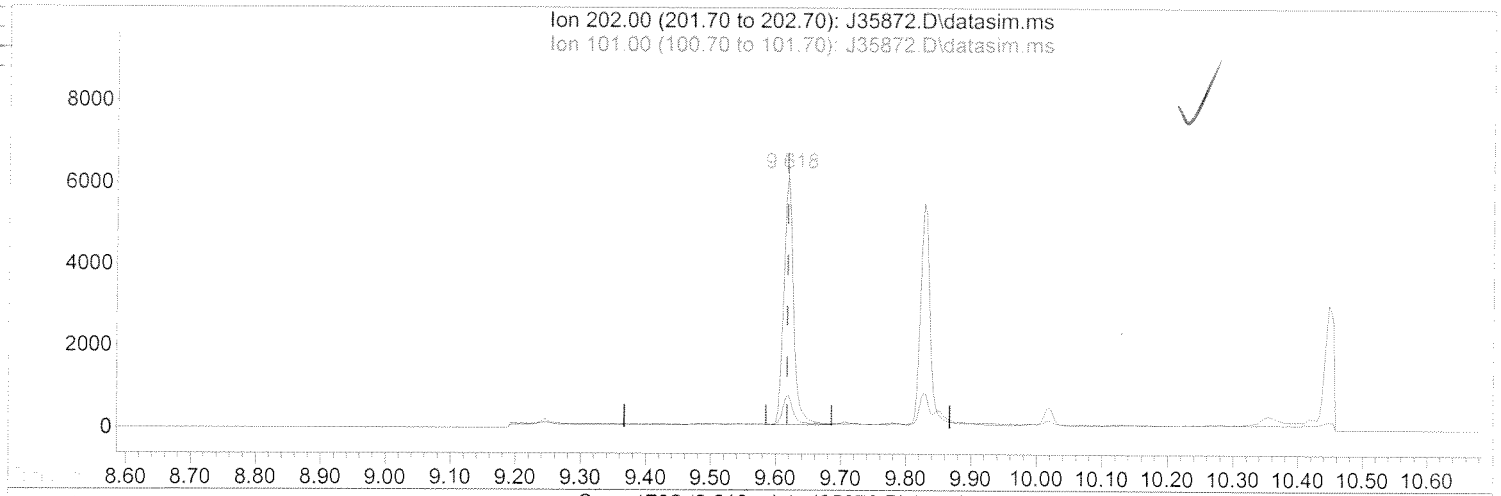
39200

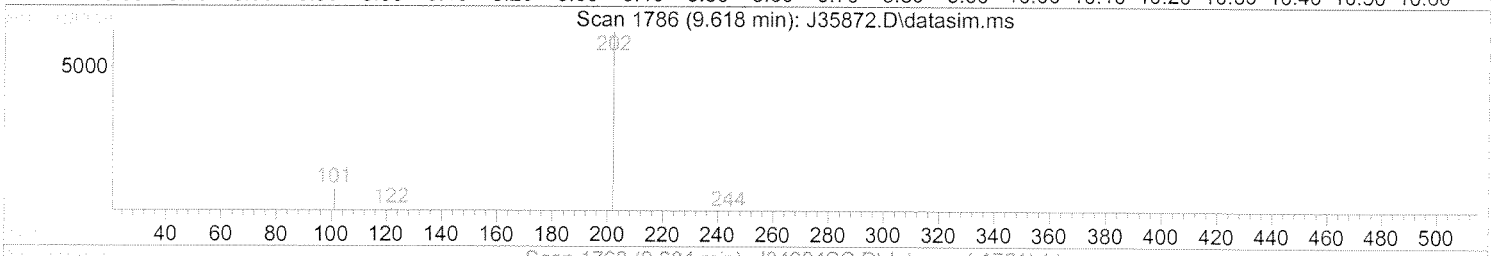
Quantitation Report (Qedit)

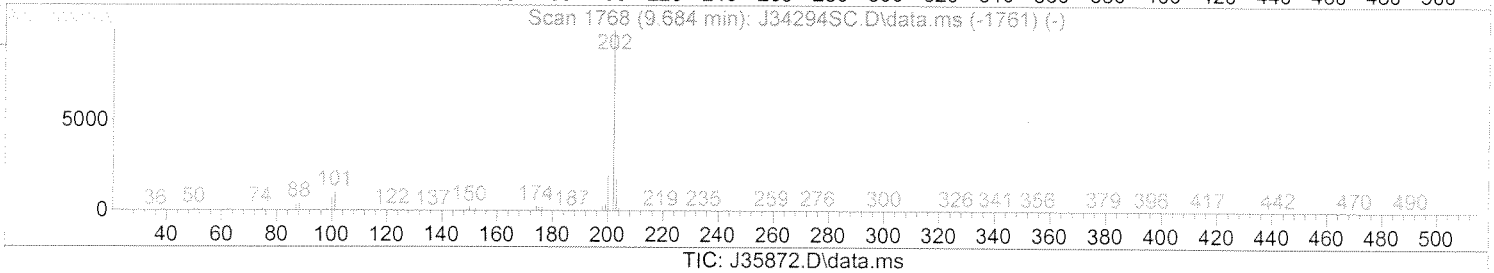
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35872.D
Acq On : 18 Sep 2010 10:09 am
Operator : AR/MG
Sample : 67799-2
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 18 20:16:47 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35872.D\data.ms

(15) Fluoranthene (TM)

9.618min (+0.000) 0.12ug/ml

response 6428

Ion	Exp%	Act%
202.00	100	100
101.00	11.90	12.40
0.00	0.00	0.00
0.00	0.00	0.00

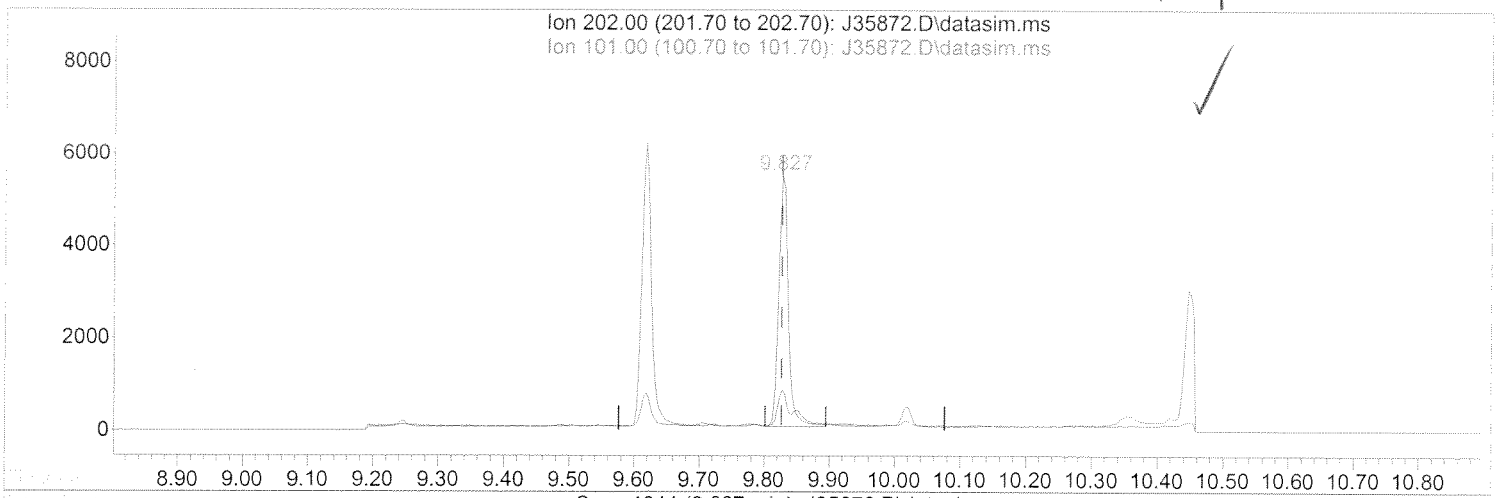
J92010

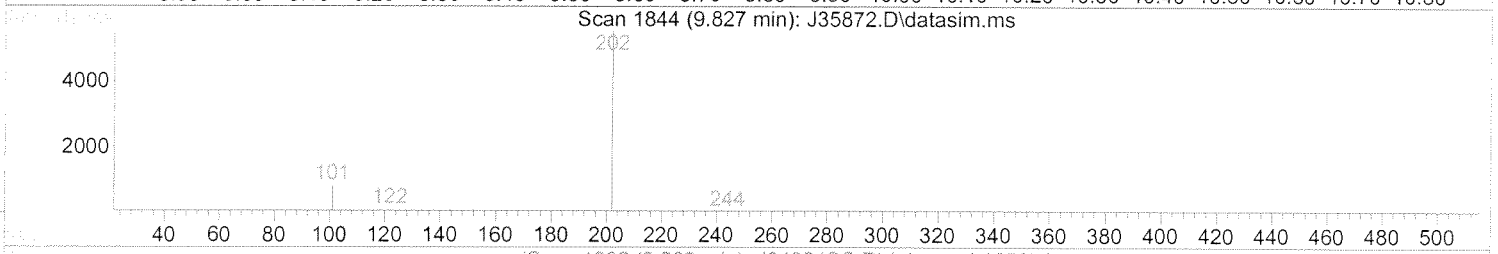
Quantitation Report (Qedit)

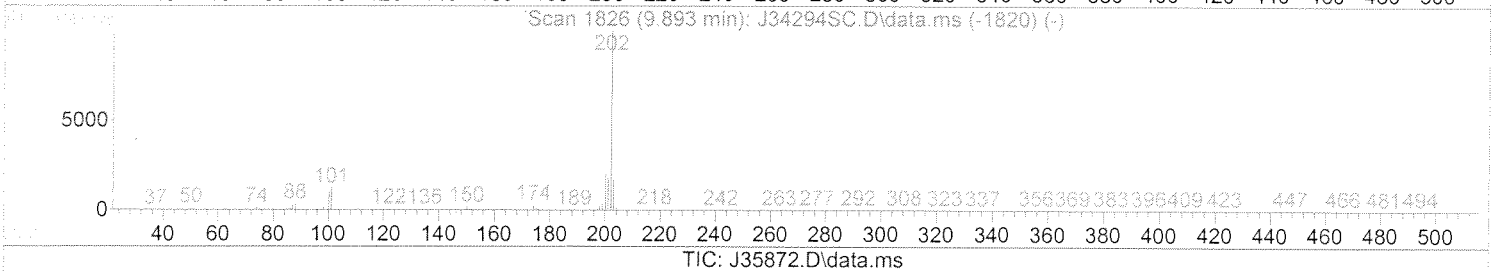
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35872.D
Acq On : 18 Sep 2010 10:09 am
Operator : AR/MG
Sample : 67799-2
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 18 20:16:47 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35872.D\data.ms

(17) Pyrene (TM)

9.827min (+0.000) 0.10ug/ml

response 5632

Ion	Exp%	Act%
202.00	100	100
101.00	13.70	13.85
0.00	0.00	0.00
0.00	0.00	0.00

J7200

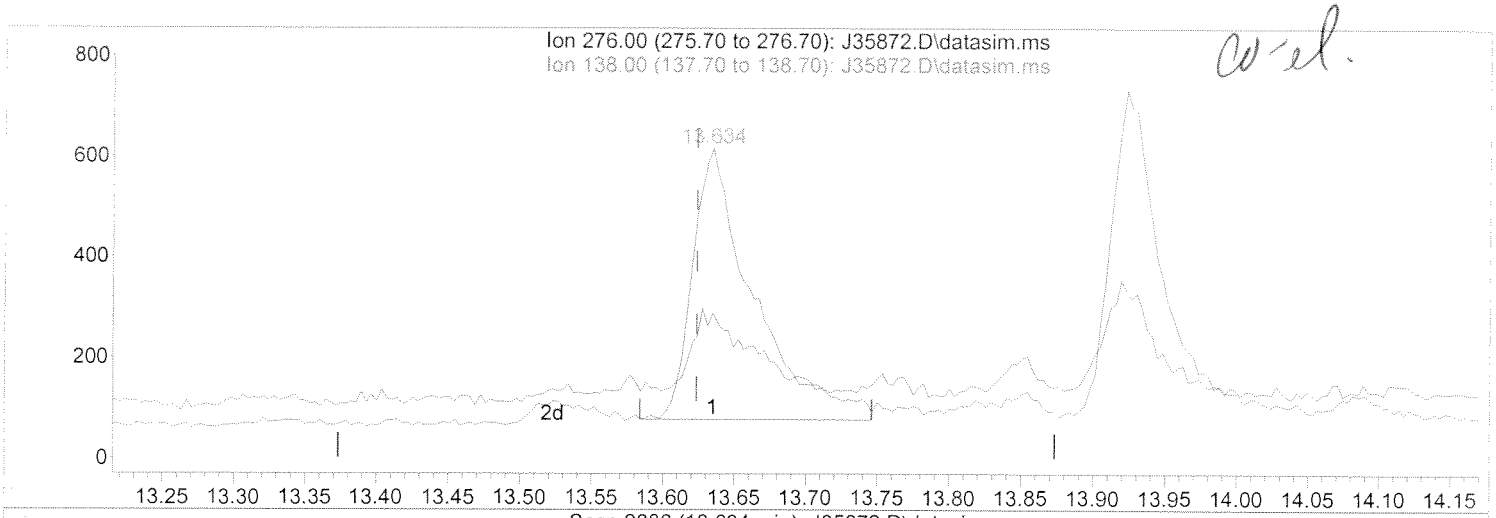
Quantitation Report (Qedit)

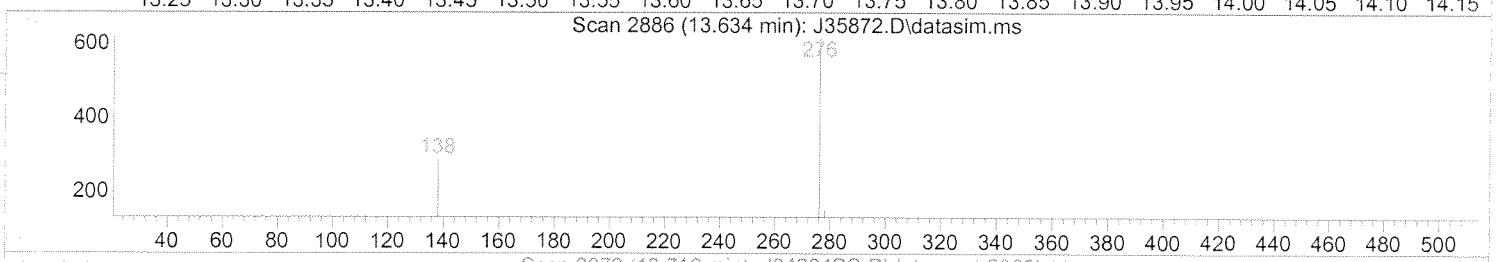
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35872.D
Acq On : 18 Sep 2010 10:09 am
Operator : AR/MG
Sample : 67799-2
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

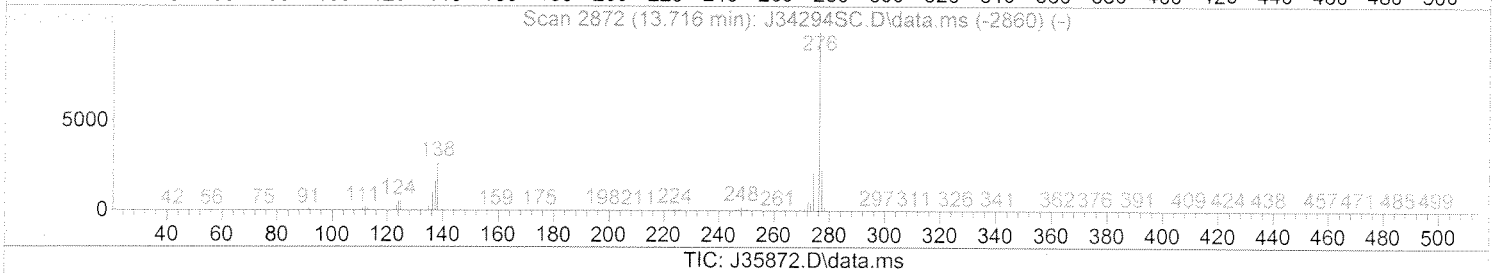
Quant Time: Sep 18 20:16:47 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10

co-el.







TIC: J35872.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.634min (+0.011) 0.06ug/ml

response 1594

Ion	Exp%	Act%
-276.00	100	100
138.00	30.20	29.36
0.00	0.00	0.00
0.00	0.00	0.00

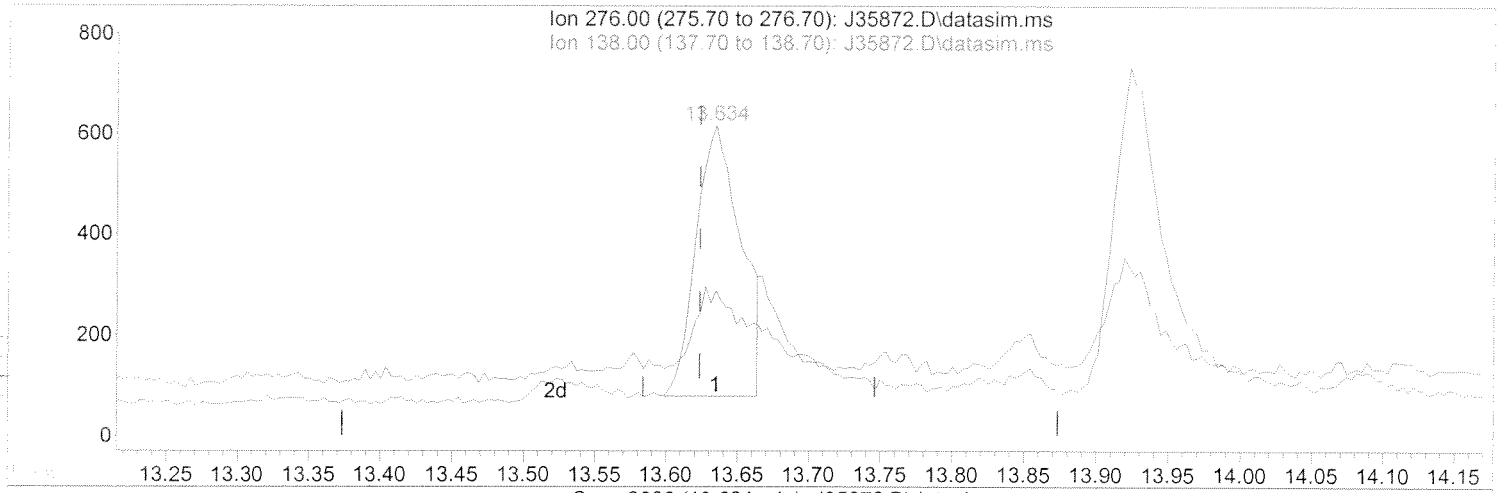
J9200

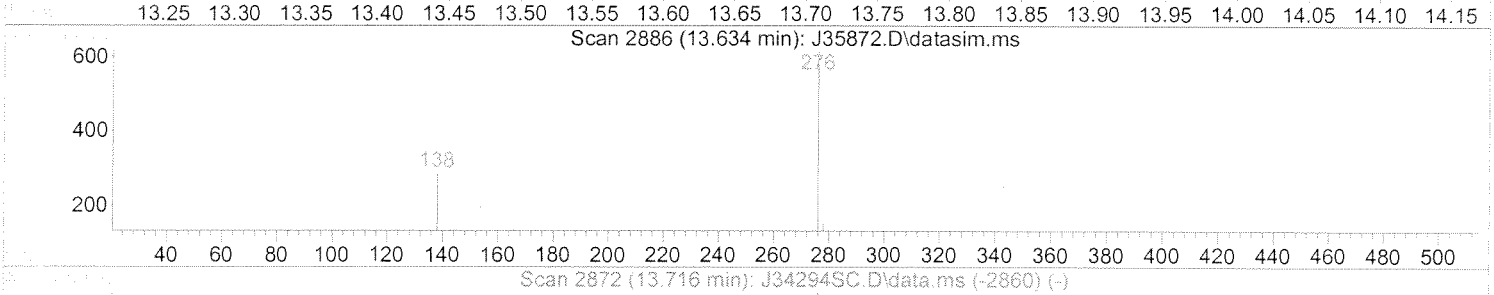
Quantitation Report (Qedit)

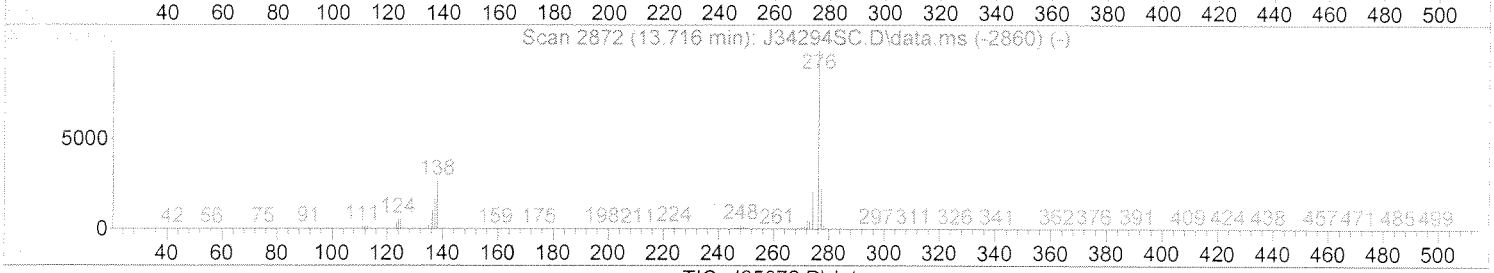
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35872.D
Acq On : 18 Sep 2010 10:09 am
Operator : AR/MG
Sample : 67799-2
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 18 20:16:47 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35872.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.634min (+0.011) 0.04ug/ml m

response 1166

<DL

Ion	Exp%	Act%
-276.00	100	100
138.00	30.20	40.14#
0.00	0.00	0.00
0.00	0.00	0.00

J9220

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

SAMPLE DATA

Lab Sample ID:	67799-3
Matrix:	Solid
Percent Solid:	86
Dilution Factor:	1.1
Collection Date:	09/15/10
Lab Receipt Date:	09/16/10
Extraction Date:	09/16/10
Analysis Date:	09/18/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY Piping & Soil
Project Number:	106-2282
Field Sample ID:	C-B82-DC-B-3

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	8	**14**
Acenaphthylene	8	**13**
Acenaphthene	8	**15**
Fluorene	8	**19**
Phenanthrene	8	**98**
Anthracene	8	**29**
Fluoranthene	8	**207**
Pyrene	8	**229**
Benzo[a]anthracene	8	**80**
Chrysene	8	**98**
Benzo[b] fluoranthene	8	**162**
Benzo[k] fluoranthene	8	**43**
Benzo[a] pyrene	8	**88**
Dibenz [a,h] anthracene	8	**17**
Benzo(g,h,i) perylene	8	**80**
Indeno [1,2,3-cd] pyrene	8	**104**
2-Methylnaphthalene	8	**33**

Surrogate Standard Recovery

d5-nitrobenzene	75	%	2-Fluorobiphenyl	86	%	d14-p-terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

DF=1.15

9/18/10

Quant Time: Sep 18 21:14:53 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d8-Naphthalene	5.308	136	1200952	40.00 ug/ml	0.00
5) d10-Acenaphthene	7.030	164	649927	40.00 ug/ml	0.00
11) d10-Phenanthrene	8.458	188	1123158	40.00 ug/ml	0.00
16) d12-Chrysene	11.002	240	950273	40.00 ug/ml	0.00
21) d12-Perylene	12.466	264	885537	40.00 ug/ml	0.00
System Monitoring Compounds					
2) d5-nitrobenzene	4.592	82	52092	3.76 ug/ml	0.00
Spiked Amount 5.000	Range 35 - 100		Recovery = 75.20%		
6) 2-Fluorobiphenyl	6.397	172	131244	4.28 ug/ml	0.00
Spiked Amount 5.000	Range 45 - 105		Recovery = 85.60%		
18) d14-p-terphenyl	10.018	244	106906	4.77 ug/ml	0.00
Spiked Amount 5.000	Range 30 - 125		Recovery = 95.40%		
Target Compounds					Qvalue
3) Naphthalene	5.327	128	7939	0.19 ug/ml#	90
4) 2-Methylnaphthalene	6.021	141	11113	0.43 ug/ml	95
8) Acenaphthylene	6.885	152	7488	0.17 ug/ml#	93
9) Acenaphthene	7.059	154	4933	0.19 ug/ml#	85
10) Fluorene	7.559	166	8403	0.25 ug/ml	94
12) Phenanthrene	8.476	178	61673	1.28 ug/ml	99
13) Anthracene	8.521	178	18493	0.37 ug/ml	98
15) Fluoranthene 207 ng/g	9.614	202	142674	2.70 ug/ml	100
17) Pyrene	9.827	202	156877	2.99 ug/ml	97
19) Benzo[a]anthracene	10.987	226	11246	1.04 ug/ml#	68
20) Chrysene	11.017	228	54757	1.28 ug/ml	100
22) Benzo[b] fluoranthene	12.056	252	82457m	2.12 ug/ml	
23) Benzo[k] fluoranthene	12.077	252	24551m	0.56 ug/ml	
24) Benzo[a] pyrene	12.391	252	45154	1.14 ug/ml	98
25) Indeno [1,2,3-cd] pyrene	13.623	276	38460	1.36 ug/ml	98
26) Dibenz [a,h] anthracene	13.656	278	6901	0.22 ug/ml#	88
27) Benzo(g,h,i) perylene	13.919	276	39220	1.05 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

15.25g
%SD=85.64

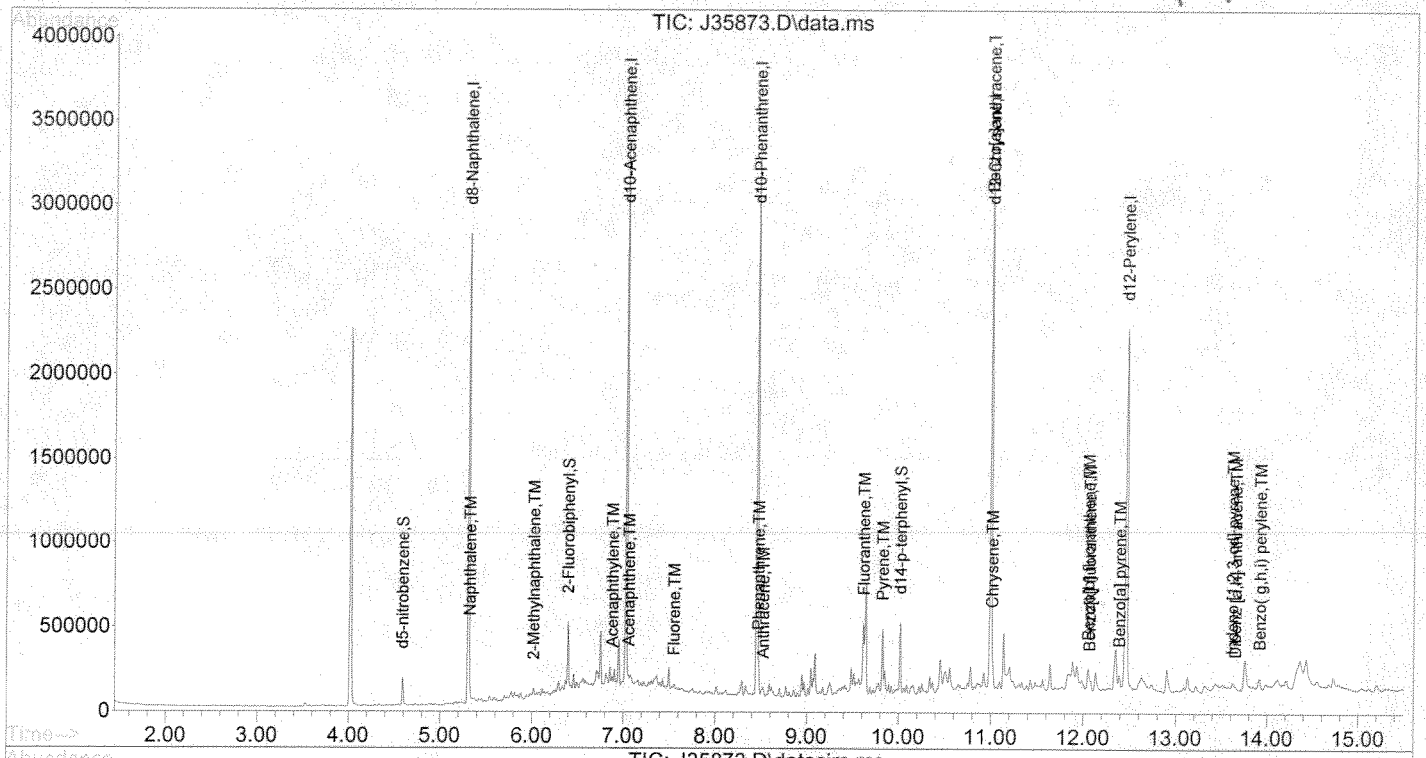
J 9/20/10

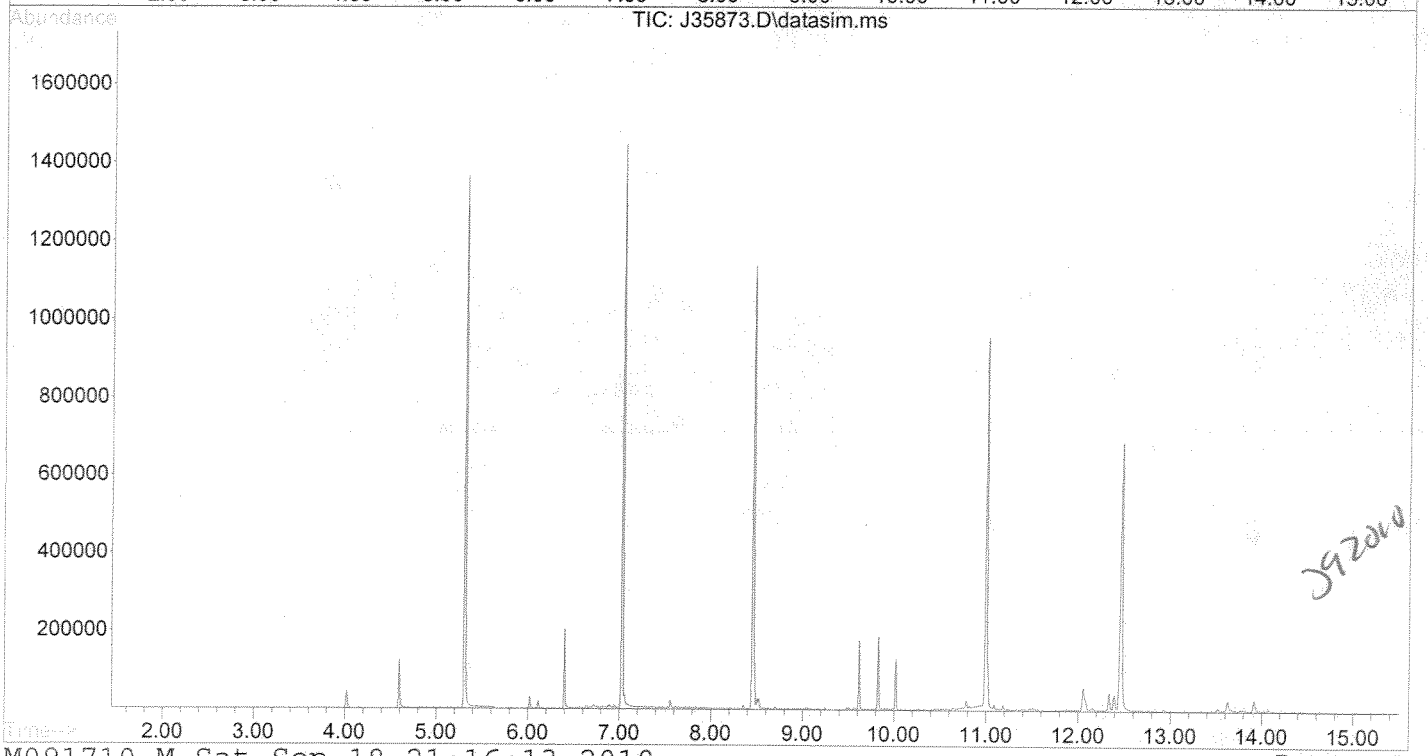
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 21:14:53 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10



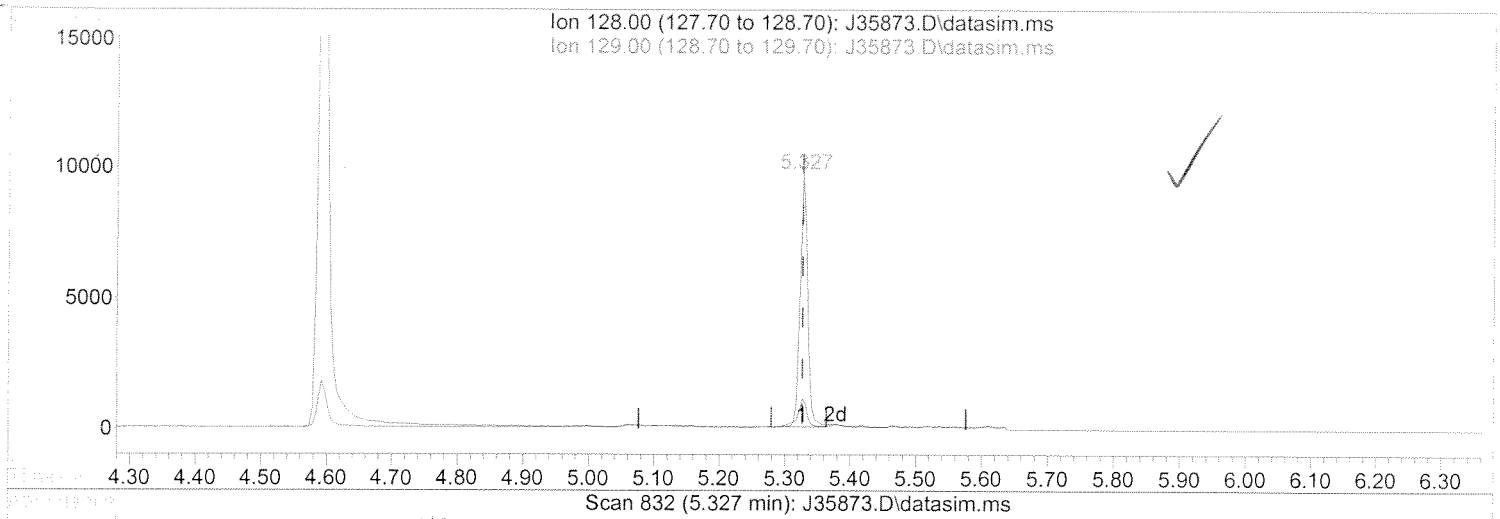


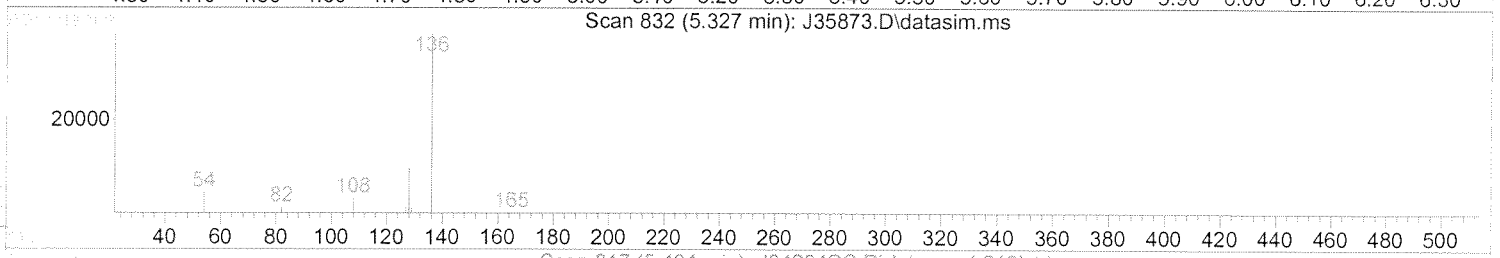
Quantitation Report (Qedit)

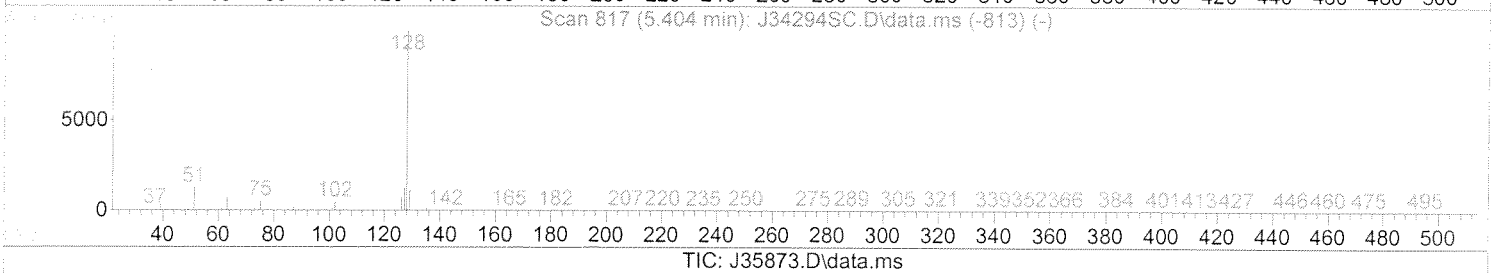
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

PN 9/18/10







TIC: J35873.D\data.ms

(3) Naphthalene (TM)

5.327min (-0.000) 0.19ug/ml

response 7939

Ion	Exp%	Act%
-128.00	100	100
129.00	11.20	14.90#
0.00	0.00	0.00
0.00	0.00	0.00

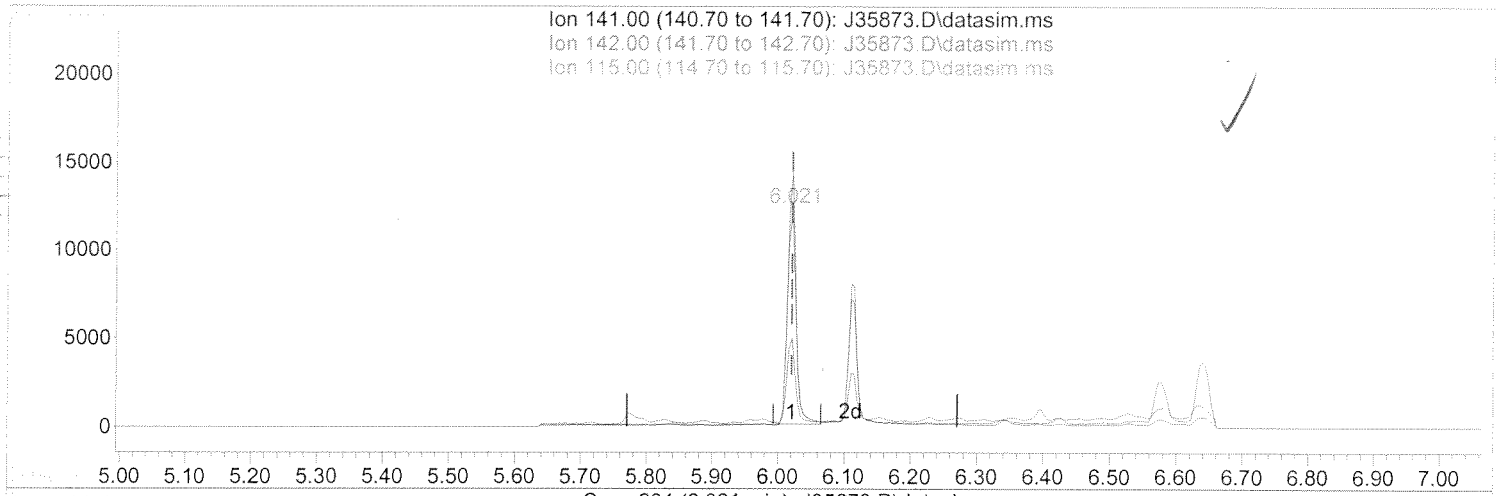
J92010

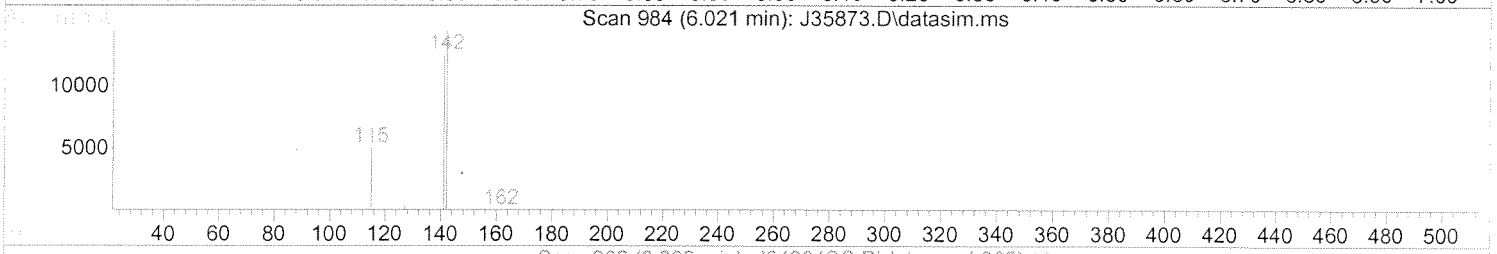
Quantitation Report (Qedit)

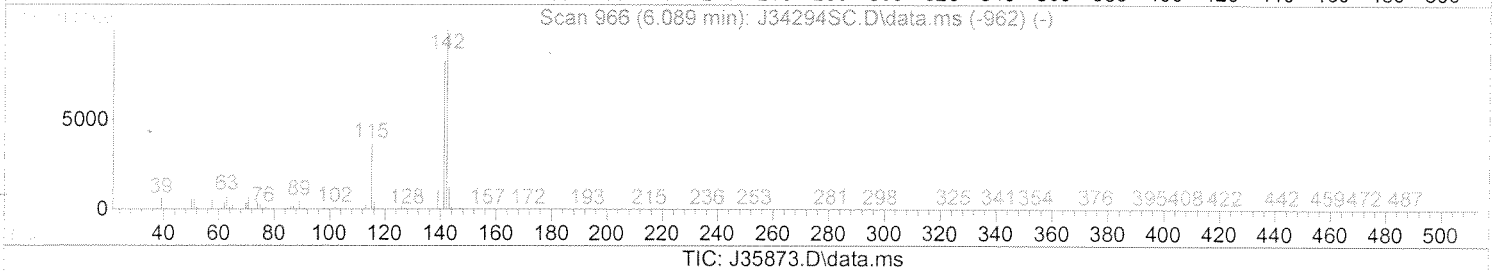
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MN 9/18/10







TIC: J35873.D\data.ms

(4) 2-Methylnaphthalene (TM)

6.021min (-0.000) 0.43ug/ml

response 11113

Ion	Exp%	Act%
-141.00	100	100
142.00	124.40	118.02
115.00	37.40	38.11
0.00	0.00	0.00

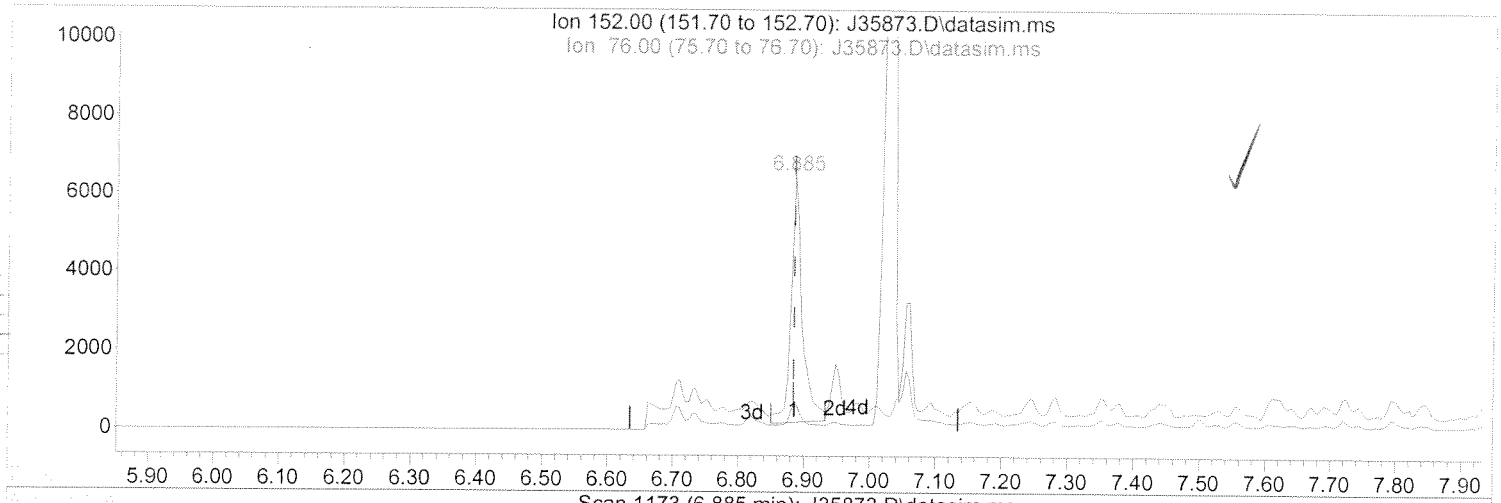
592.10

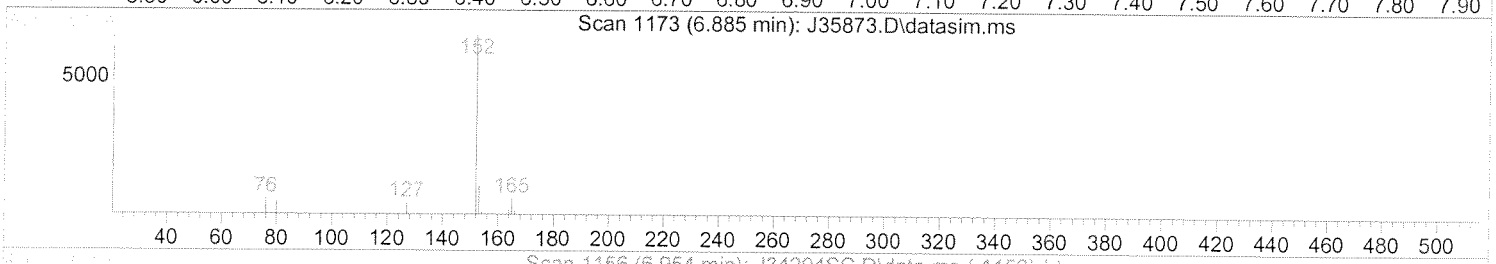
Quantitation Report (Qedit)

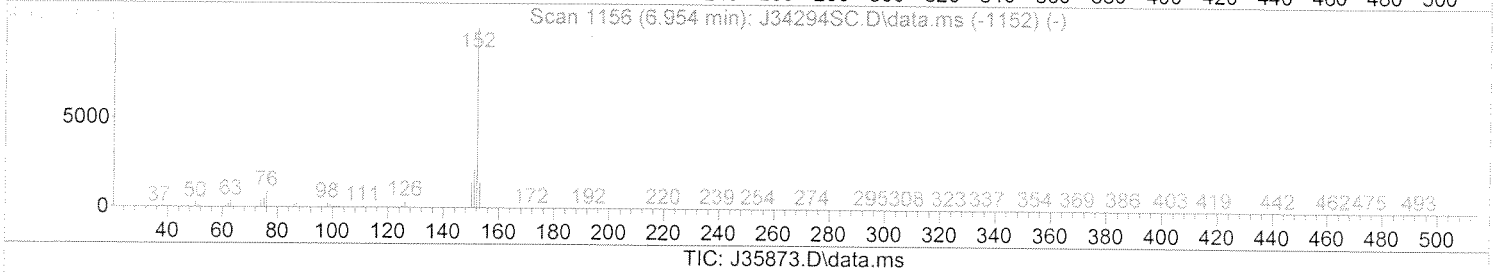
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







(8) Acenaphthylene (TM)

6.885min (-0.000) 0.17ug/ml

response 7488

Ion	Exp%	Act%
-152.00	100	100
76.00	10.80	8.13#
0.00	0.00	0.00
0.00	0.00	0.00

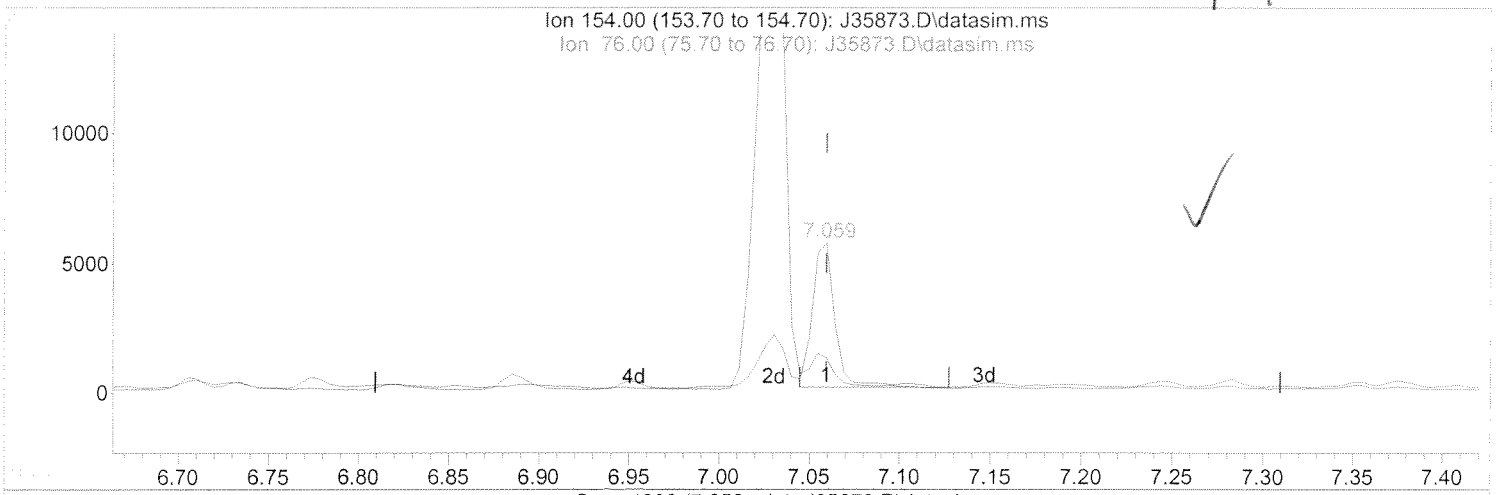
5/92010

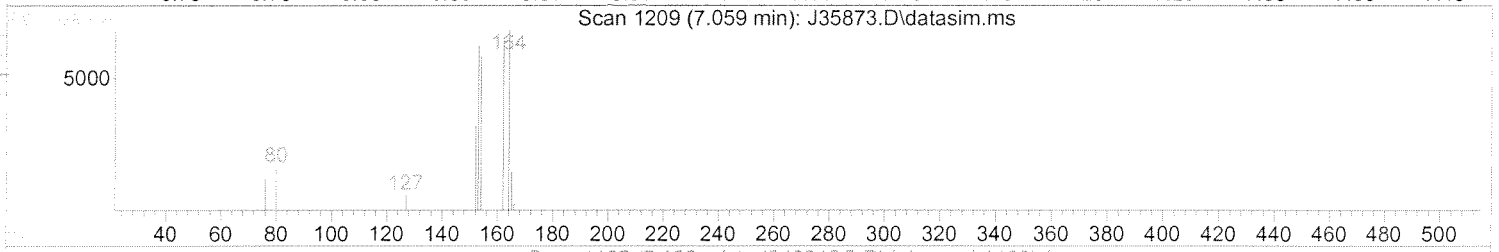
Quantitation Report (Qedit)

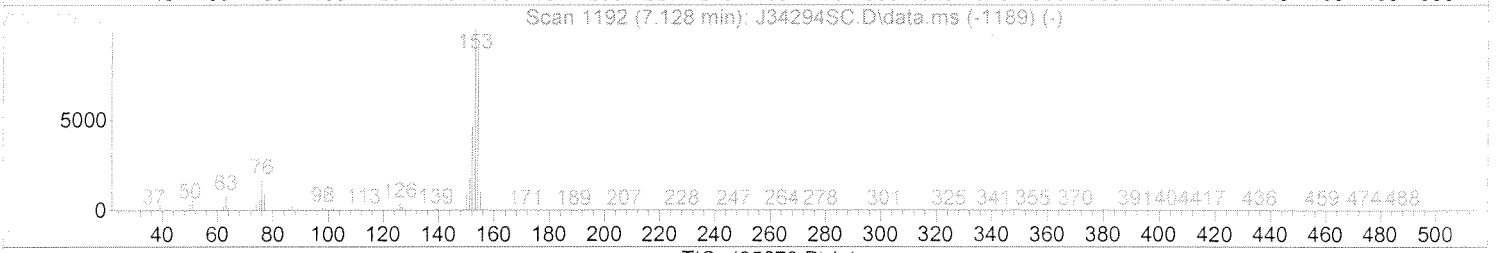
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35873.D\data.ms

(9) Acenaphthene (TM)

7.059min (-0.000) 0.19ug/ml

response 4933

Ion	Exp%	Act%
-154.00	100	100
76.00	18.90	25.74#
0.00	0.00	0.00
0.00	0.00	0.00

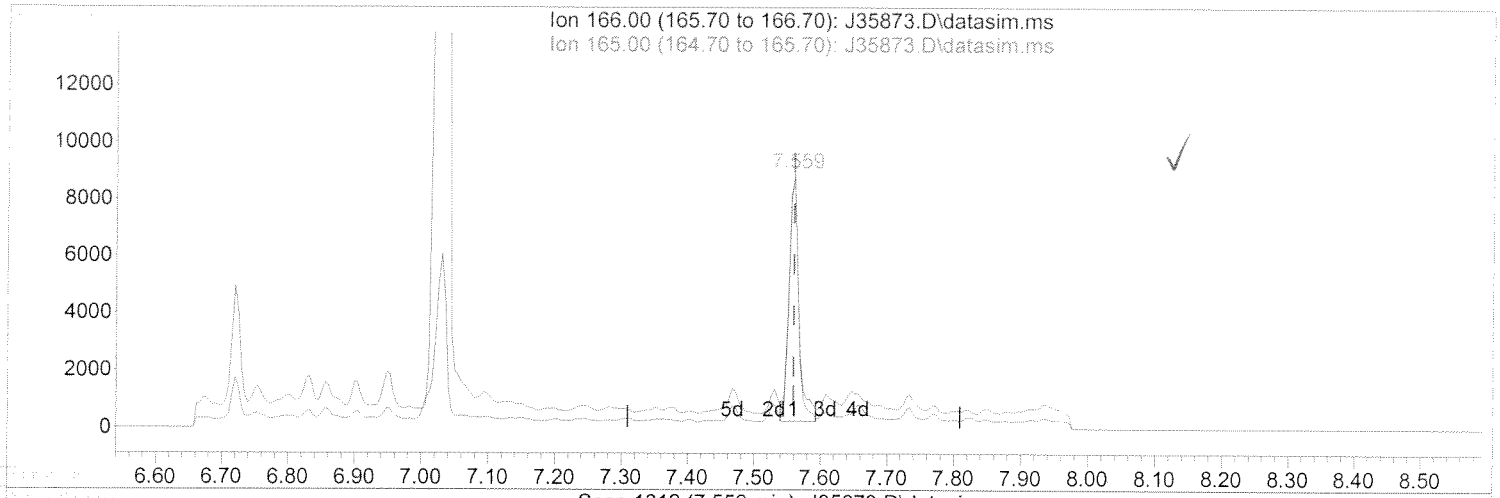
b92010

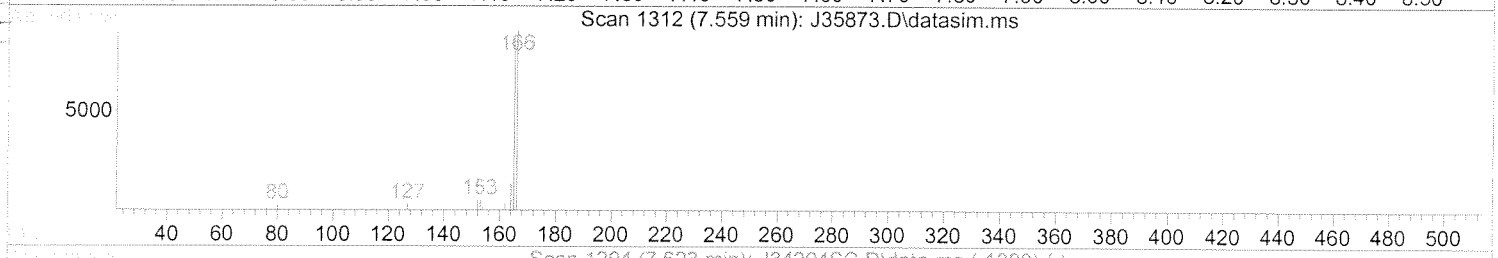
Quantitation Report (Qedit)

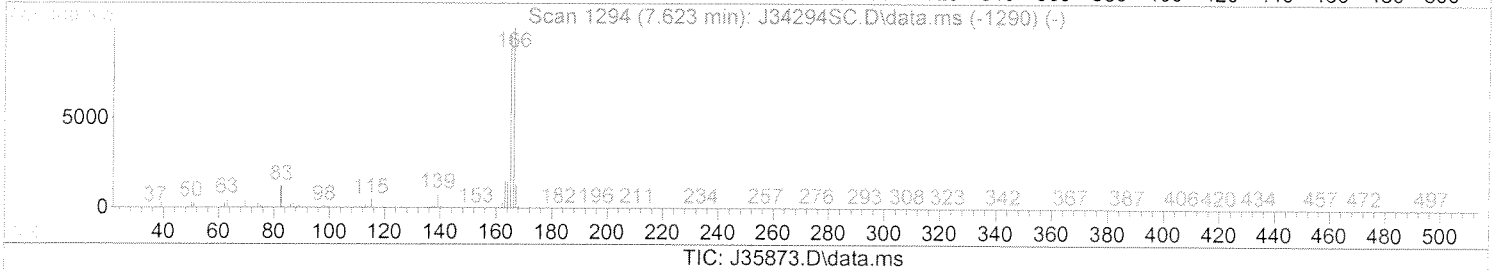
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35873.D\data.ms

(10) Fluorene (TM)

7.559min (-0.000) 0.25ug/ml

response 8403

Ion	Exp%	Act%
-166.00	100	100
165.00	93.80	100.06
0.00	0.00	0.00
0.00	0.00	0.00

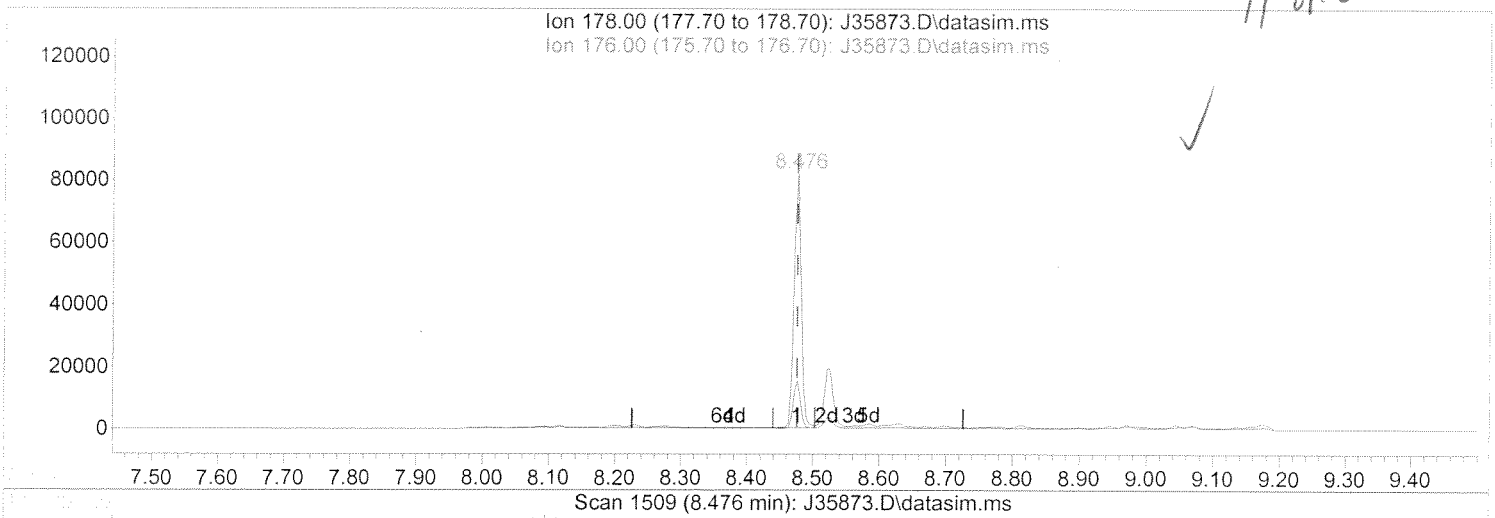
092010

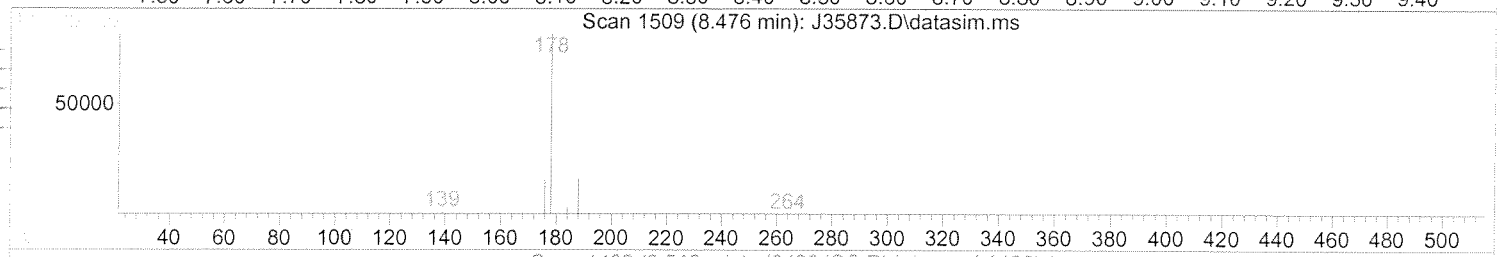
Quantitation Report (Qedit)

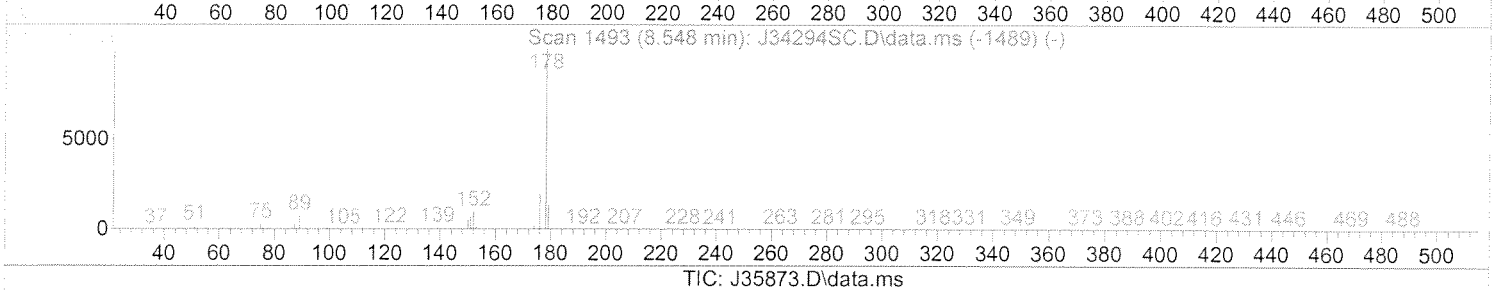
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MV
9/18/10







TIC: J35873.D\data.ms

(12) Phenanthrene (TM)

8.476min (-0.000) 1.28ug/ml

response 61673

Ion	Exp%	Act%
-178.00	100	100
176.00	18.80	19.11
0.00	0.00	0.00
0.00	0.00	0.00

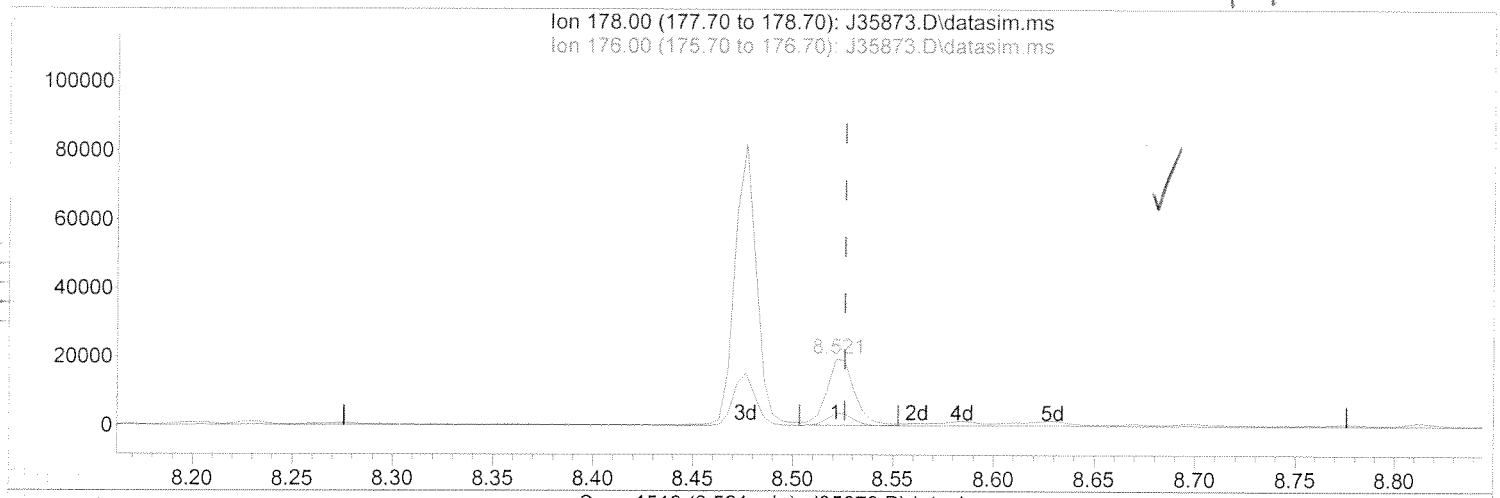
3/2010

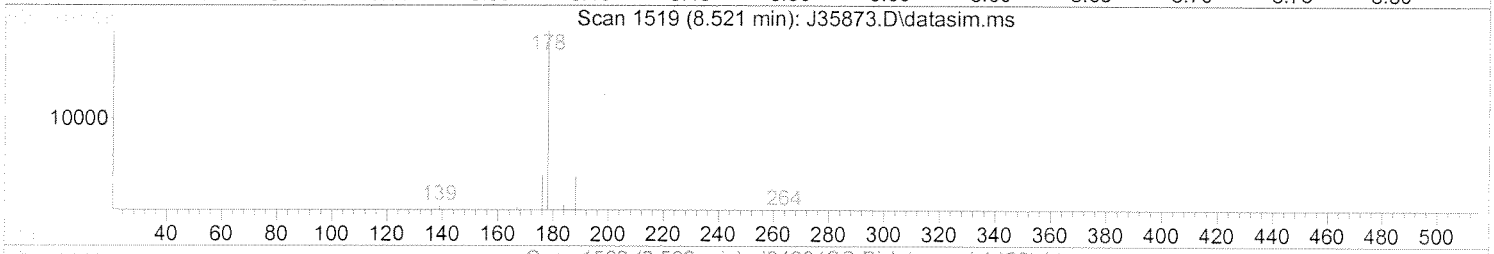
Quantitation Report (Qedit)

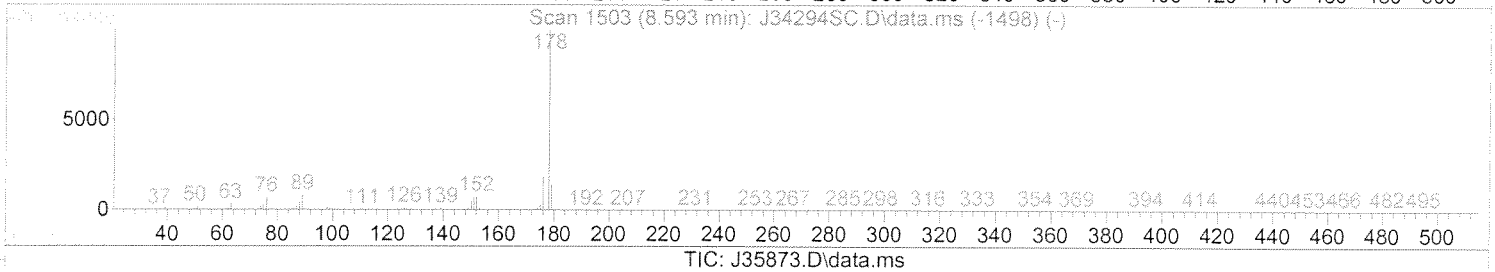
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







(13) Anthracene (TM)

8.521min (-0.005) 0.37ug/ml

response 18493

Ion	Exp%	Act%
-178.00	100	100
176.00	18.20	19.19
0.00	0.00	0.00
0.00	0.00	0.00

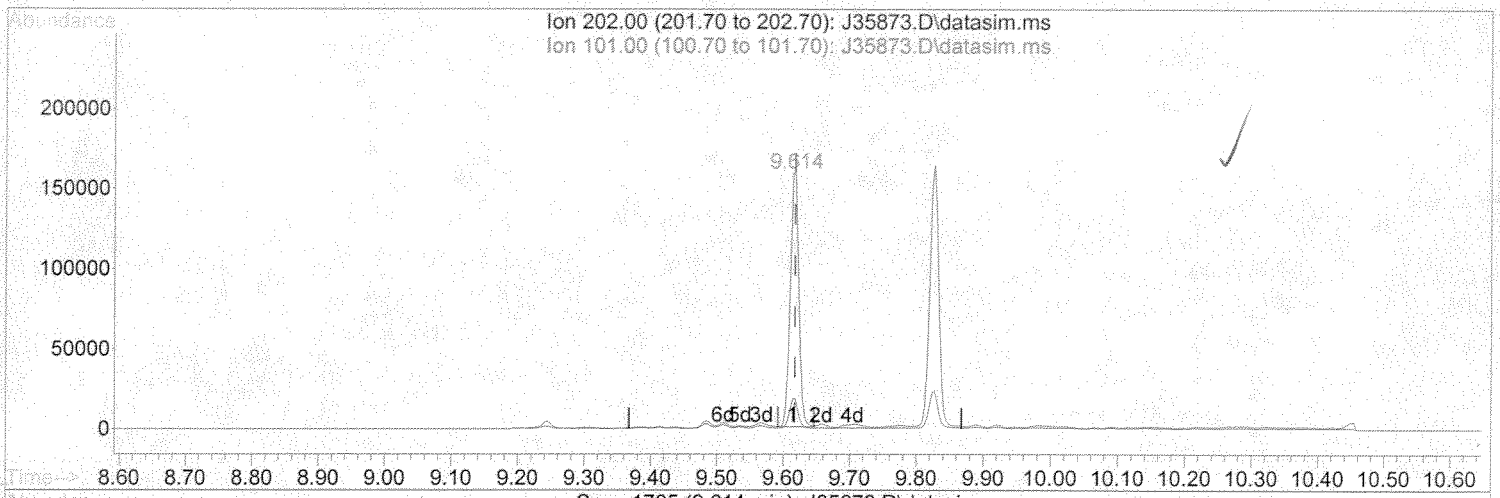
J92010

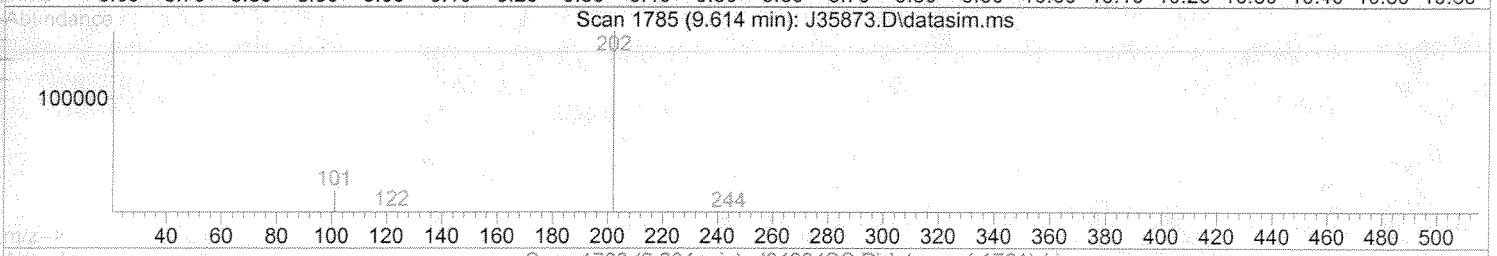
Quantitation Report (Qedit)

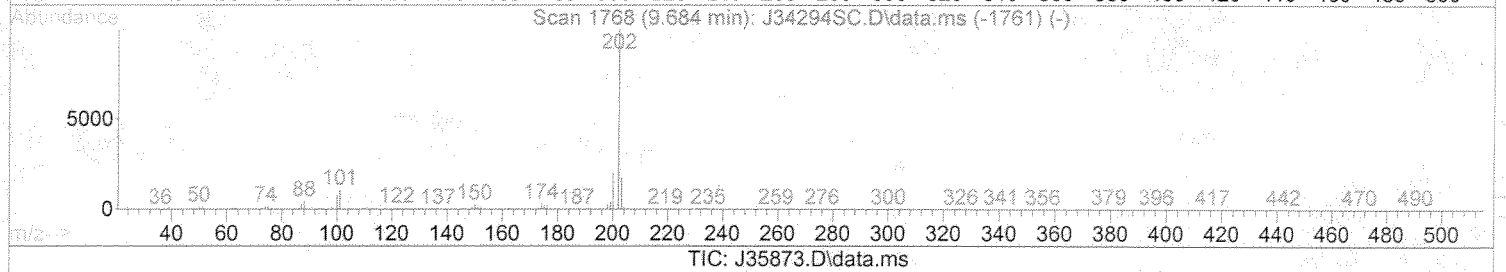
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35873.D\data.ms

(15) Fluoranthene (TM)

9.614min (-0.004) 2.70ug/ml

response 142674

Ion	Exp%	Act%
-202.00	100	100
101.00	11.90	11.95
0.00	0.00	0.00
0.00	0.00	0.00

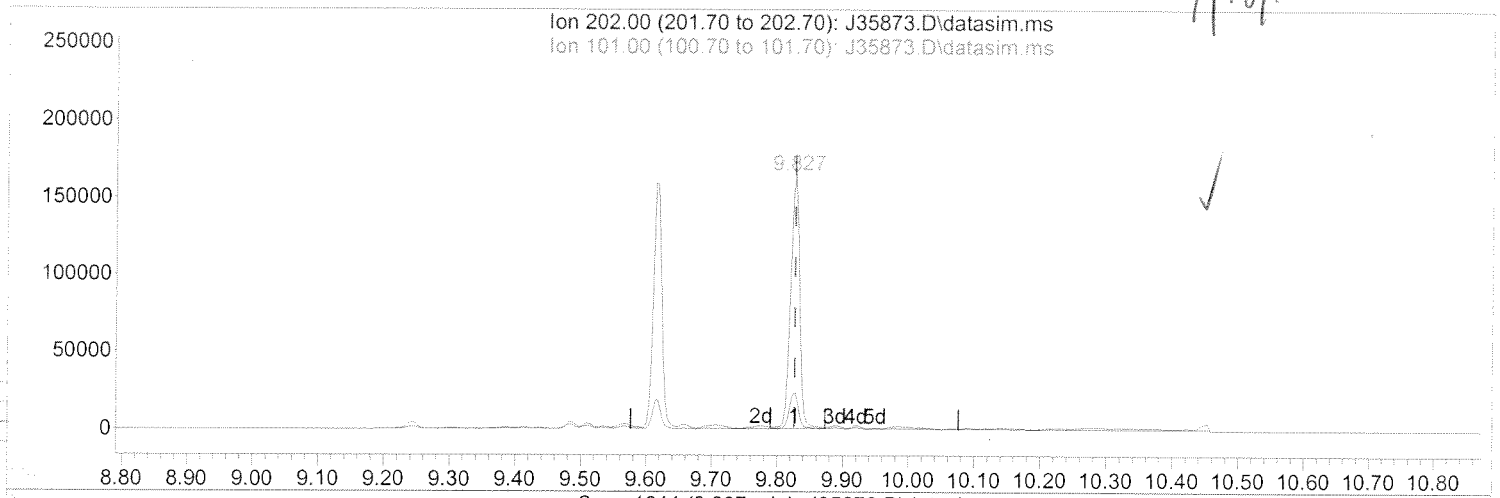
092010

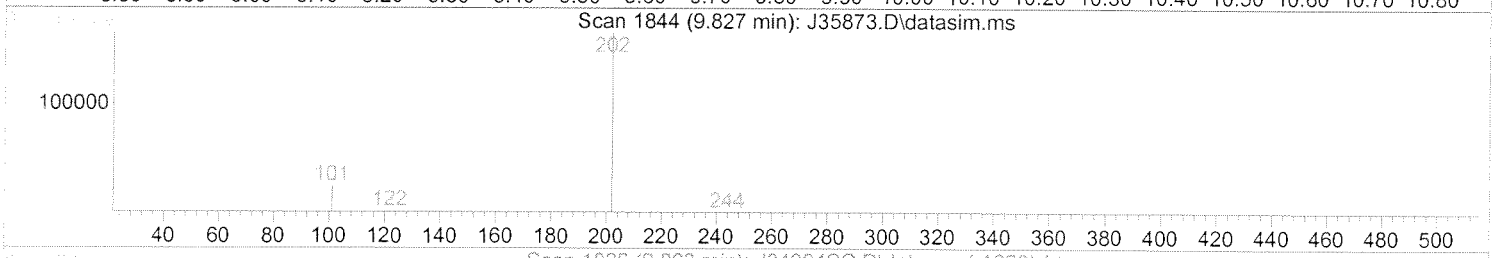
Quantitation Report (Qedit)

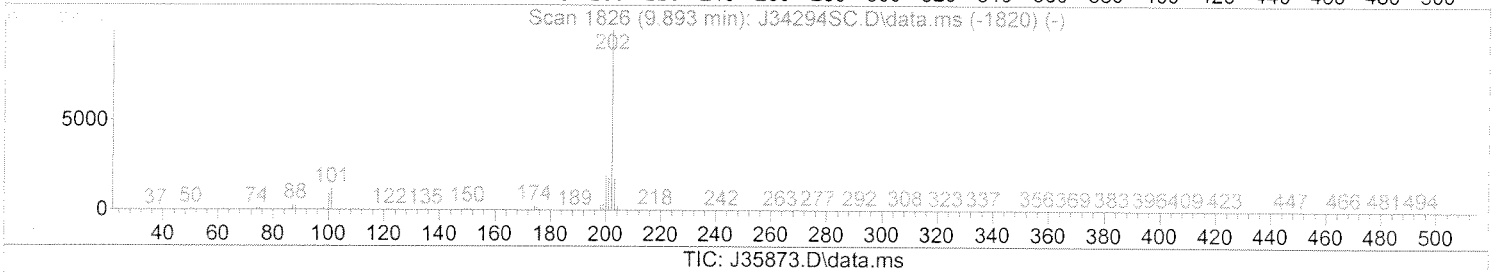
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







(17) Pyrene (TM)

9.827min (-0.000) 2.99ug/ml

response 156877

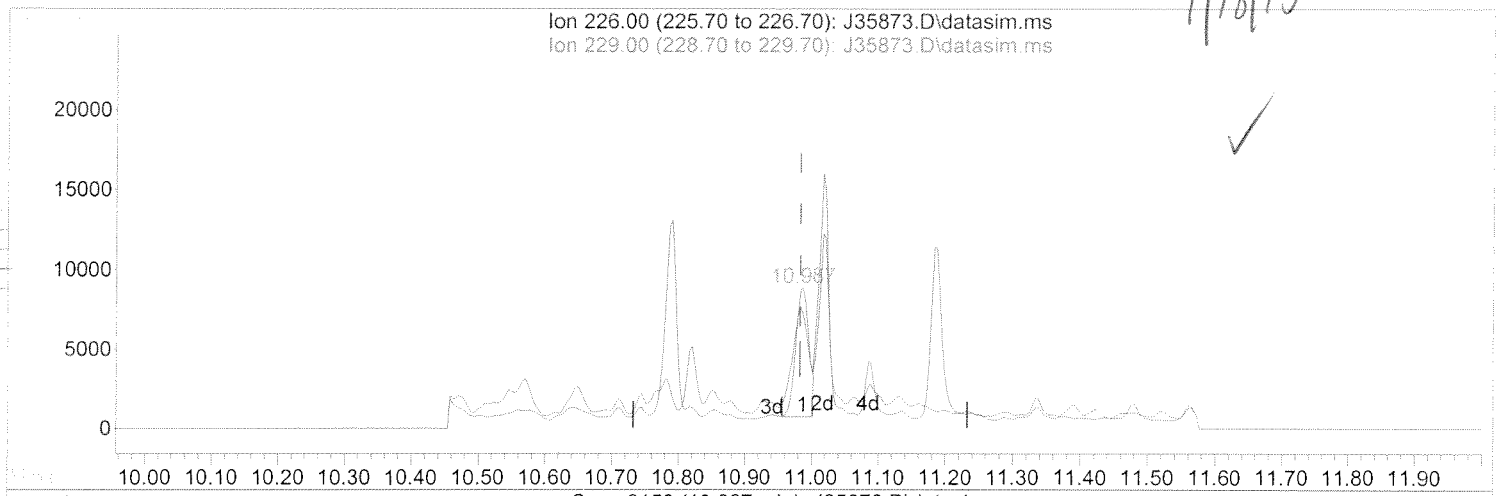
Ion	Exp%	Act%
-202.00	100	100
101.00	13.70	14.96
0.00	0.00	0.00
0.00	0.00	0.00

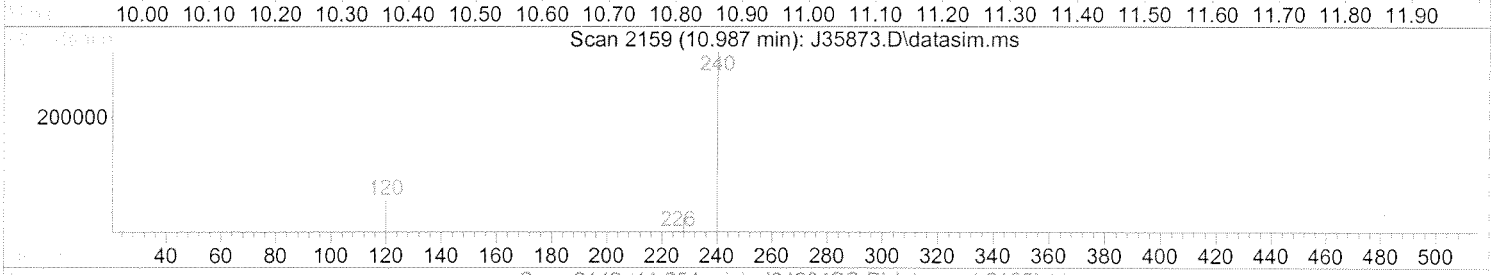
Quantitation Report (Qedit)

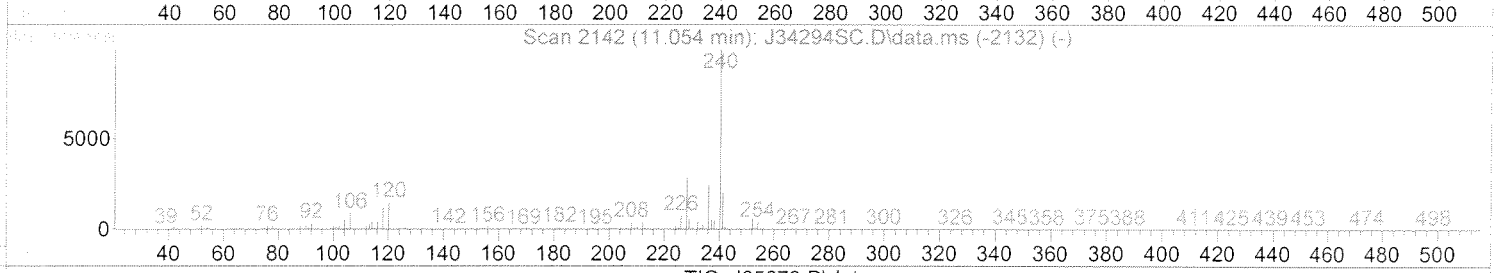
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MO 9/18/10







TIC: J35873.D\data.ms

(19) Benzo[a]anthracene (TM)

10.987min (+0.004) 1.04ug/ml

response 11246

Ion	Exp%	Act%
-226.00	100	100
229.00	71.20	97.40#
0.00	0.00	0.00
0.00	0.00	0.00

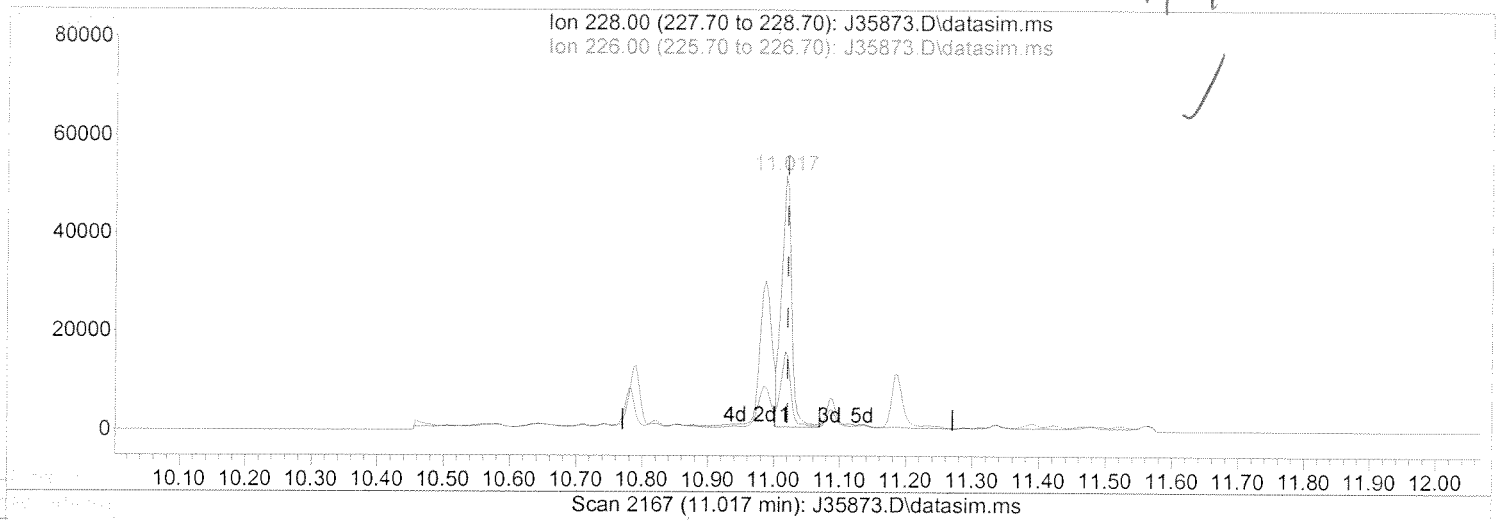
J92010

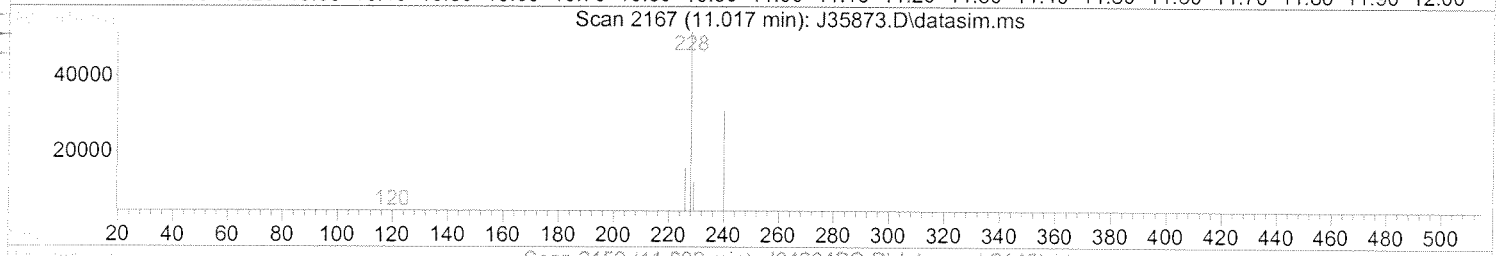
Quantitation Report (Qedit)

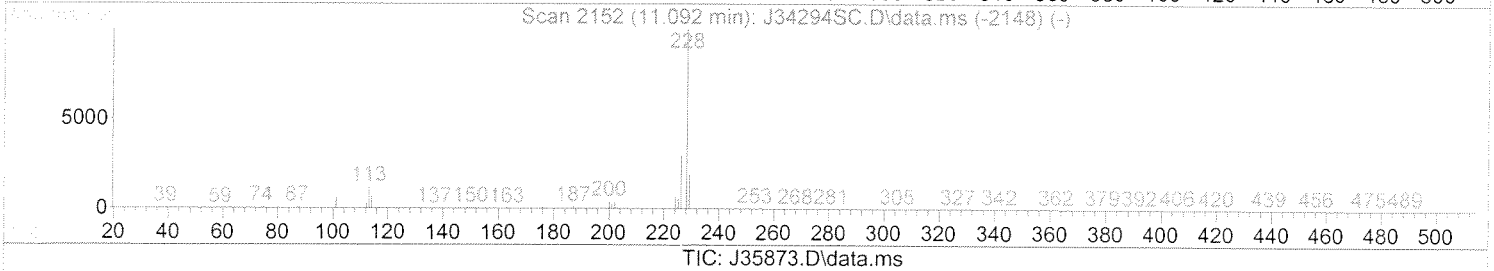
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35873.D\data.ms

(20) Chrysene (TM)

11.017min (-0.004) 1.28ug/ml

response 54757

Ion	Exp%	Act%
-228.00	100	100
226.00	29.00	29.06
0.00	0.00	0.00
0.00	0.00	0.00

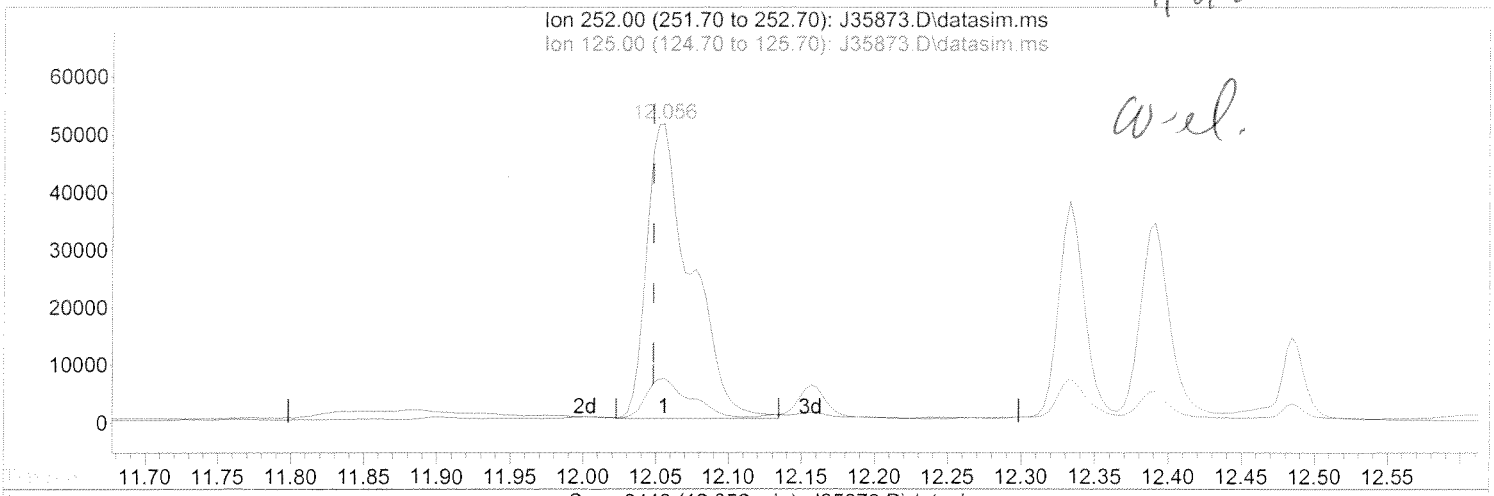
J72010

Quantitation Report (Qedit)

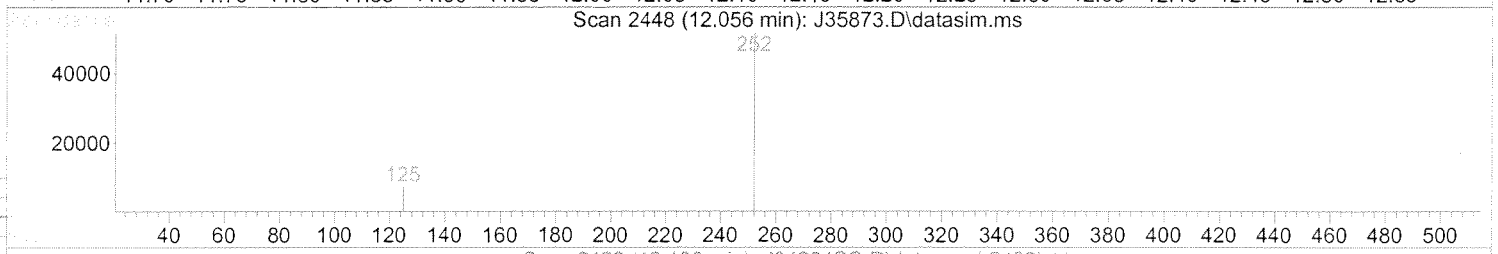
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

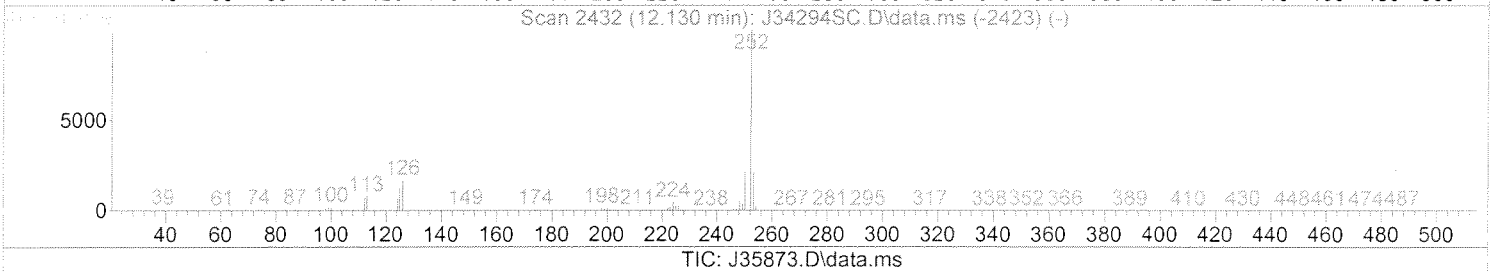
Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10



w-el.





TIC: J35873.D\data.ms

(22) Benzo[b] fluoranthene (TM)

12.056min (+0.007) 2.79ug/ml

response 108087

Ion	Exp%	Act%
-252.00	100	100
125.00	11.70	12.72
0.00	0.00	0.00
0.00	0.00	0.00

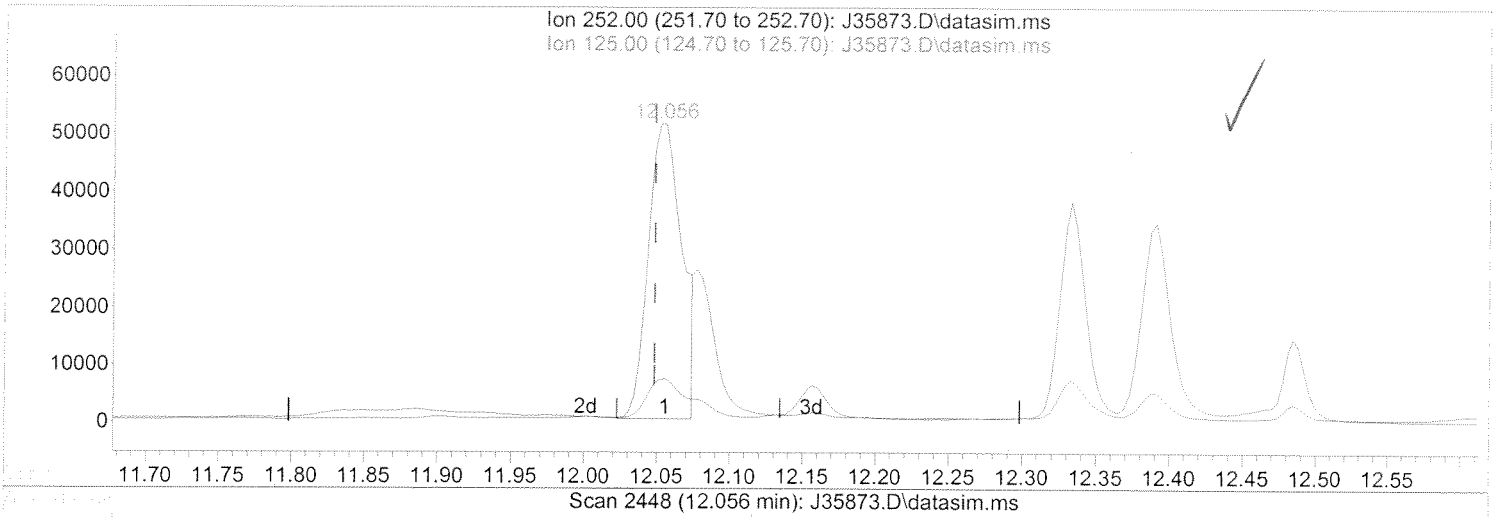
J72010

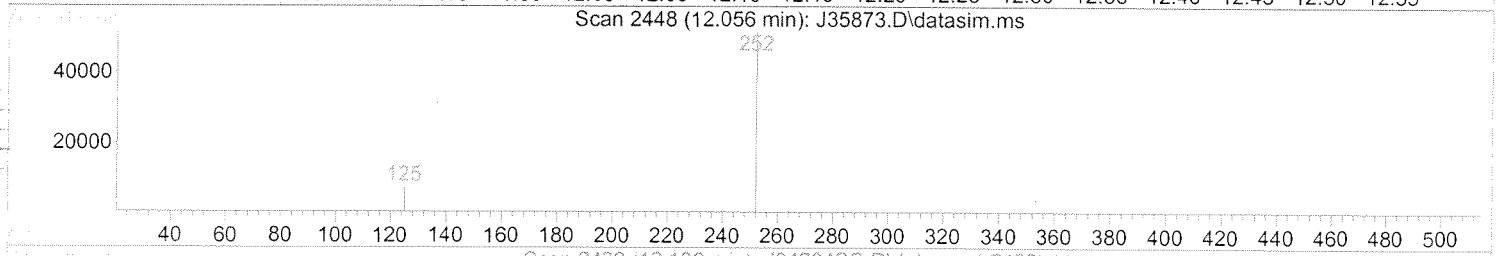
Quantitation Report (Qedit)

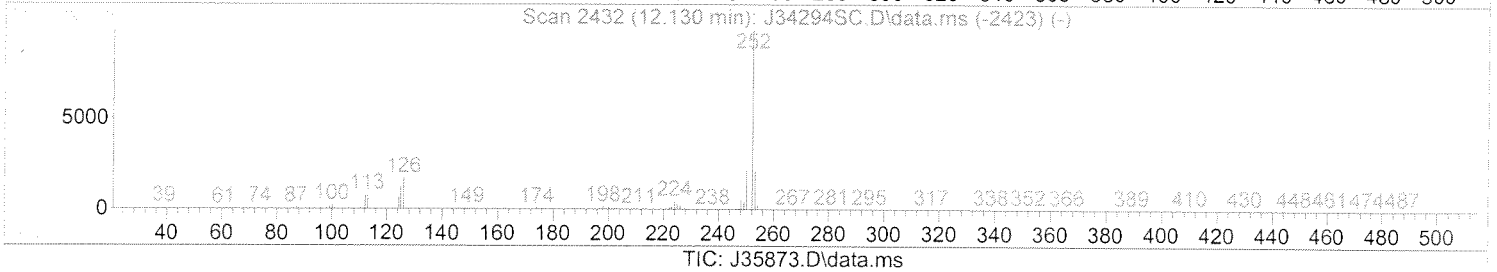
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MN 9/18/10







TIC: J35873.D\data.ms

(22) Benzo[b] fluoranthene (TM)

12.056min (+0.007) 2.12ug/ml m

response 82457

Ion	Exp%	Act%
-252.00	100	100
125.00	11.70	16.68#
0.00	0.00	0.00
0.00	0.00	0.00

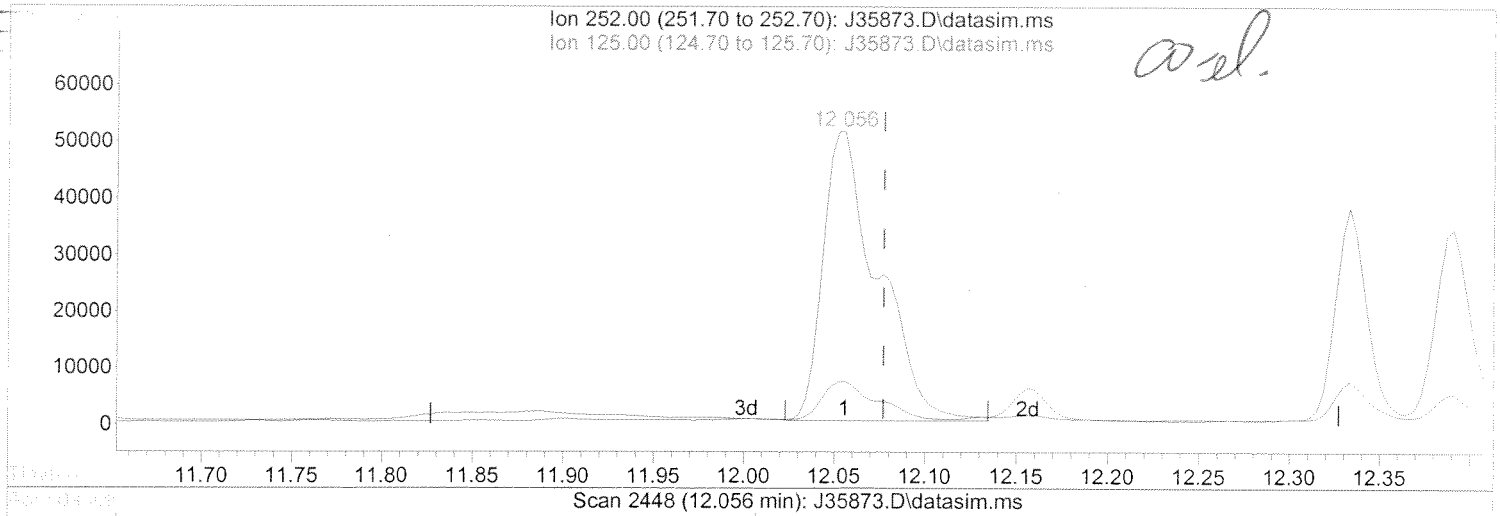
J 9/20/10

Quantitation Report (Qedit)

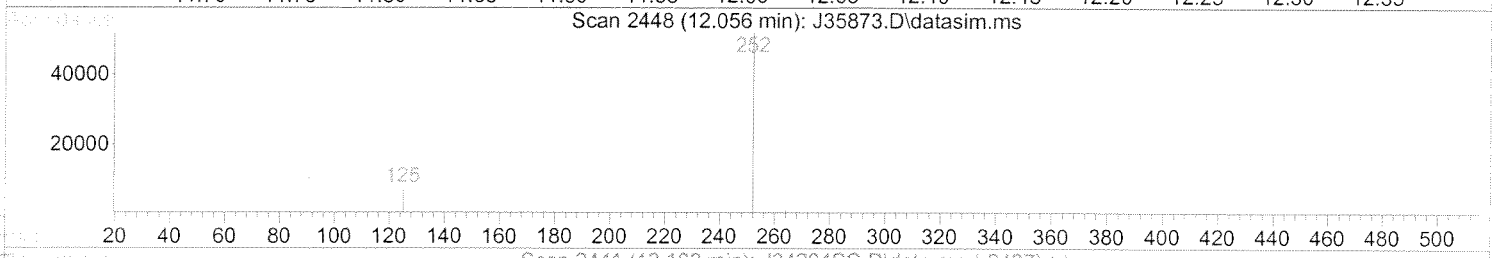
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

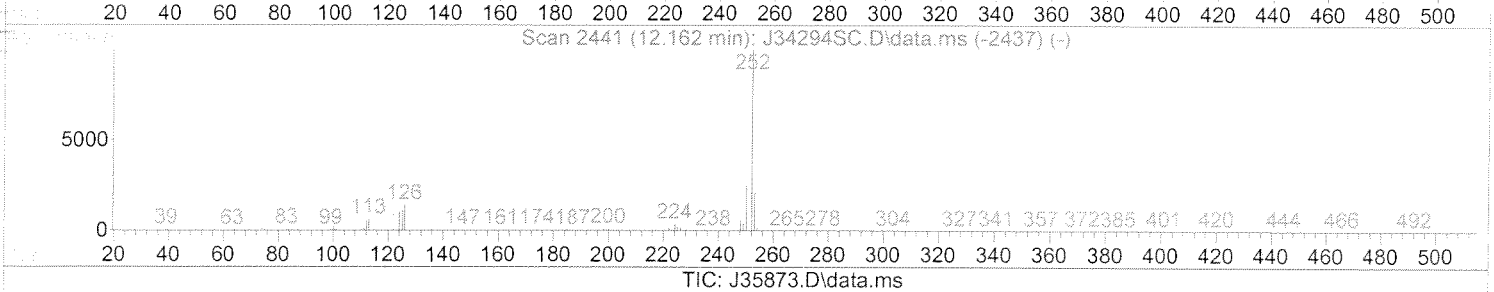
Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MR 9/18/10



ao el.





TIC: J35873.D\data.ms

(23) Benzo[k] fluoranthene (TM)

12.056min (-0.022) 2.45ug/ml

response 108087

Ion	Exp%	Act%
-252.00	100	100
125.00	13.10	12.72
0.00	0.00	0.00
0.00	0.00	0.00

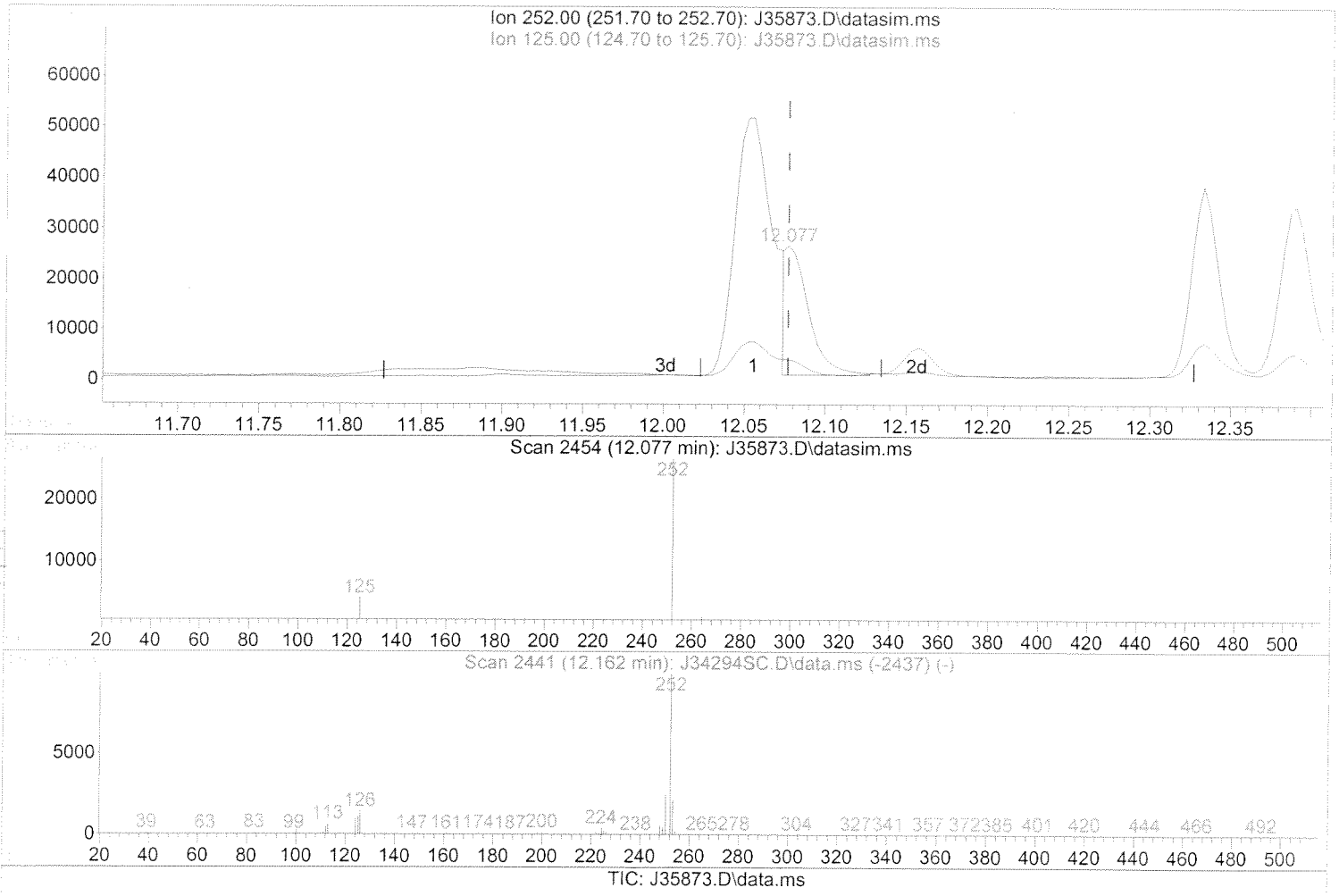
J92310

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MV 9/18/10



(23) Benzo[k] fluoranthene (TM)

12.077min (-0.000) 0.56ug/ml m

response 24551

Ion	Exp%	Act%
-252.00	100	100
125.00	13.10	56.01#
0.00	0.00	0.00
0.00	0.00	0.00

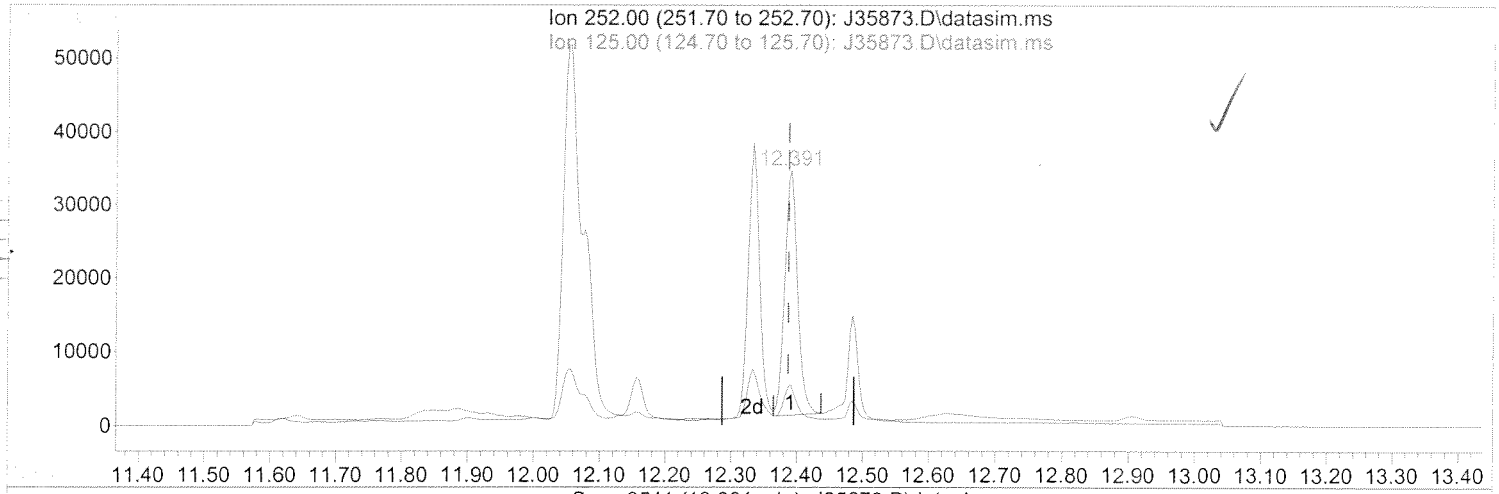
092310

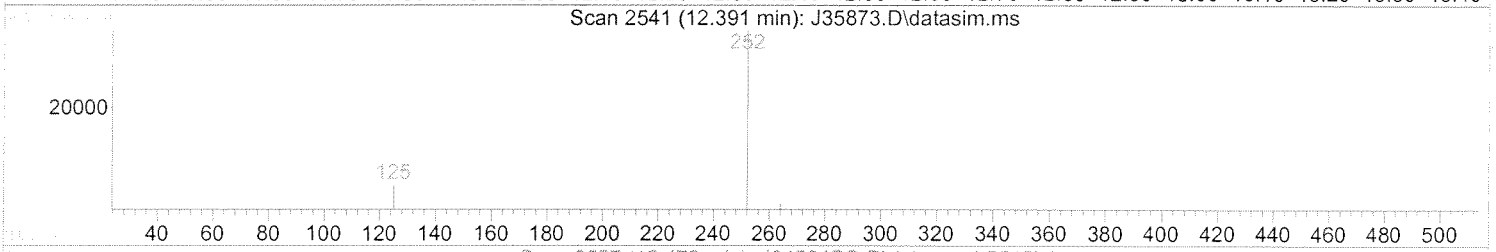
Quantitation Report (Qedit)

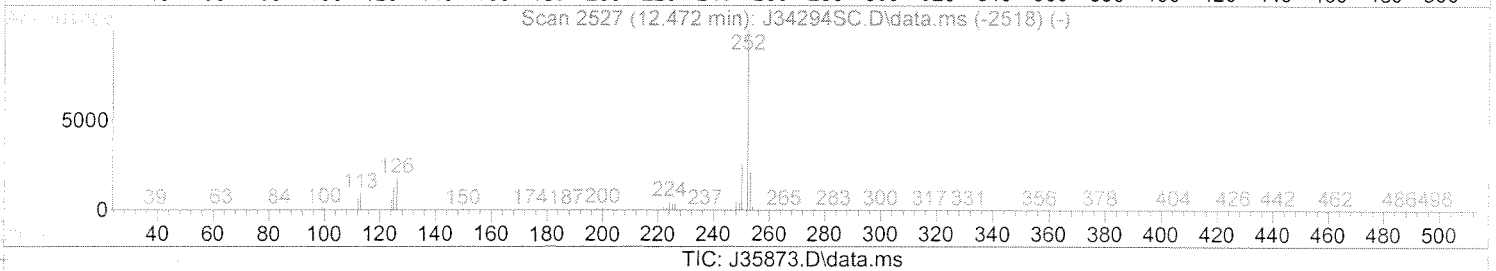
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MN
9/18/10







TIC: J35873.D\data.ms

(24) Benzo[a] pyrene (TM)

12.391min (+0.004) 1.14ug/ml

response 45154

Ion	Exp%	Act%
-252.00	100	100
125.00	13.60	14.22
0.00	0.00	0.00
0.00	0.00	0.00

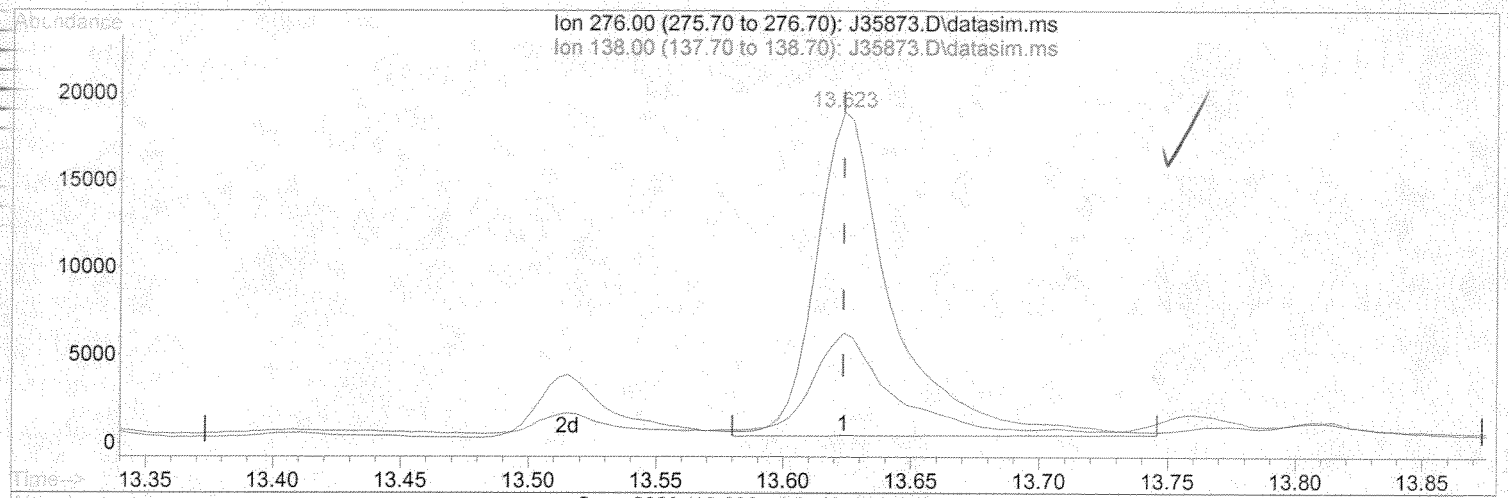
J92010

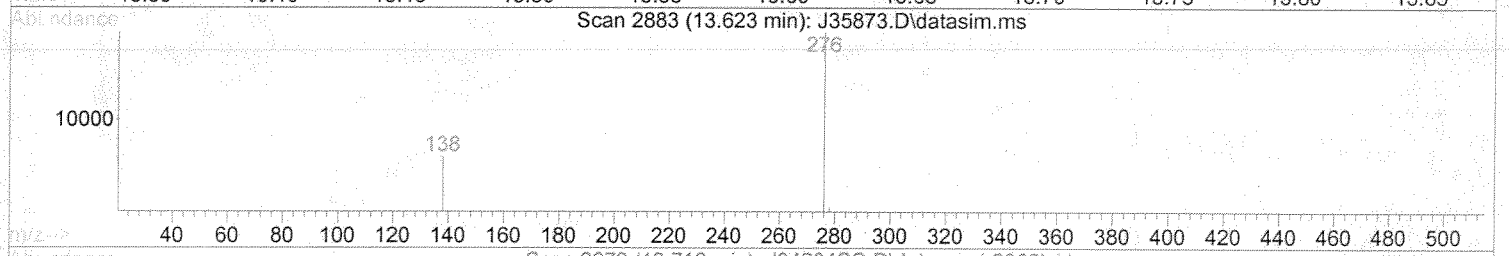
Quantitation Report (Qedit)

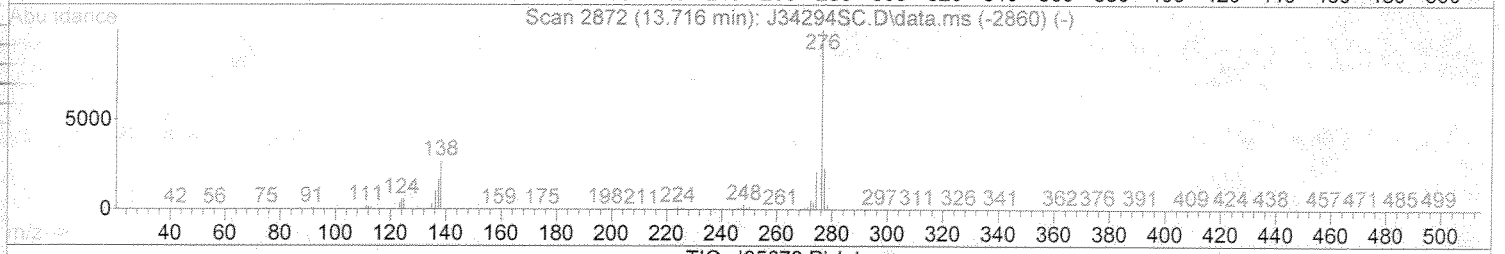
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MC 9/18/10







TIC: J35873.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.623min (-0.000) 1.36ug/ml

response 38460

Ion	Exp%	Act%
-276.00	100	100
138.00	30.20	31.33
0.00	0.00	0.00
0.00	0.00	0.00

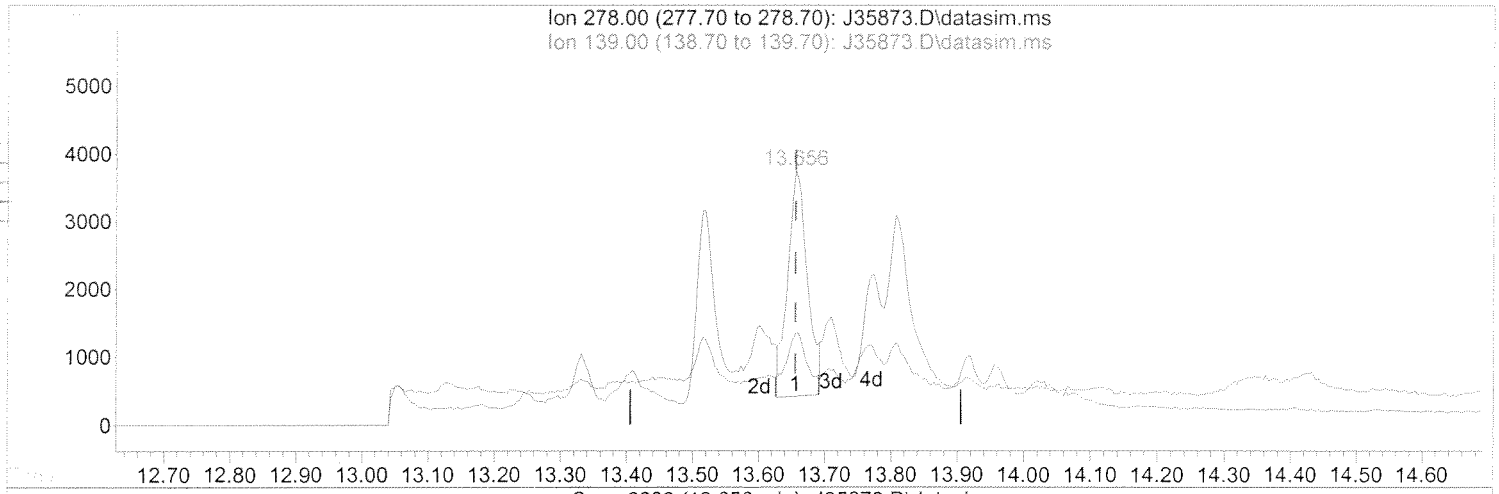
J92010

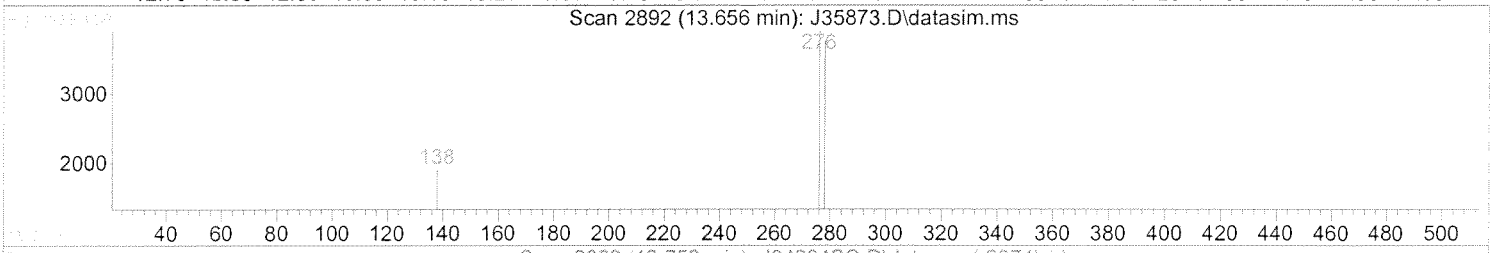
Quantitation Report (Qedit)

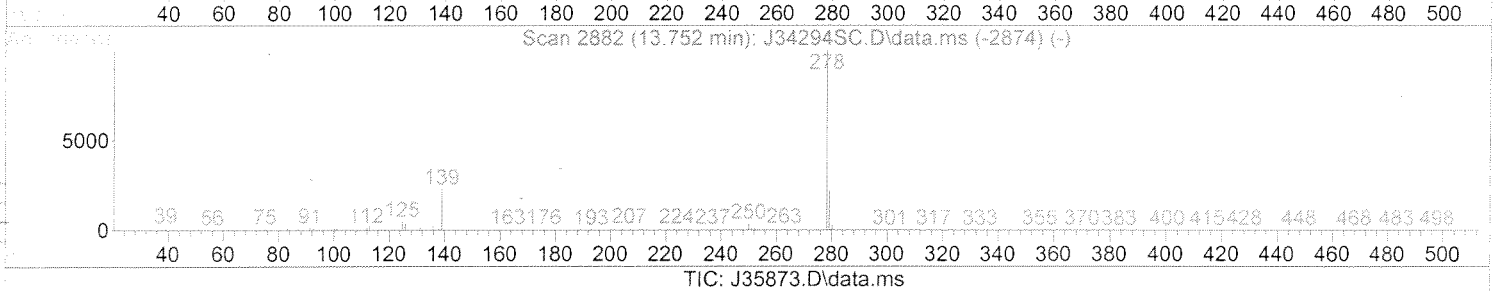
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35873.D\data.ms

(26) Dibenz [a,h] anthracene (TM)

13.656min (-0.000) 0.22ug/ml

response 6901

Ion	Exp%	Act%
-278.00	100	100
139.00	25.60	19.62#
0.00	0.00	0.00
0.00	0.00	0.00

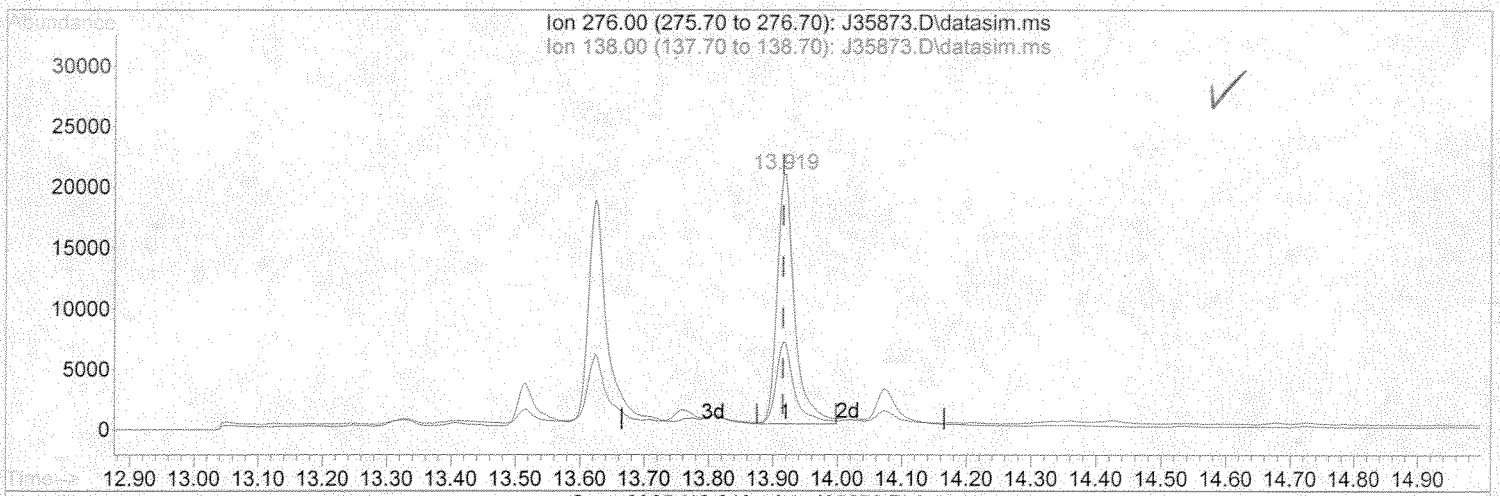
J7240

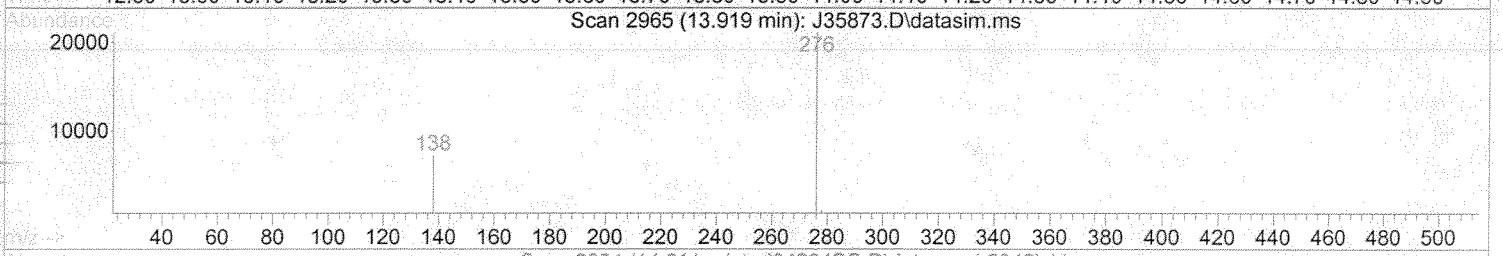
Quantitation Report (Qedit)

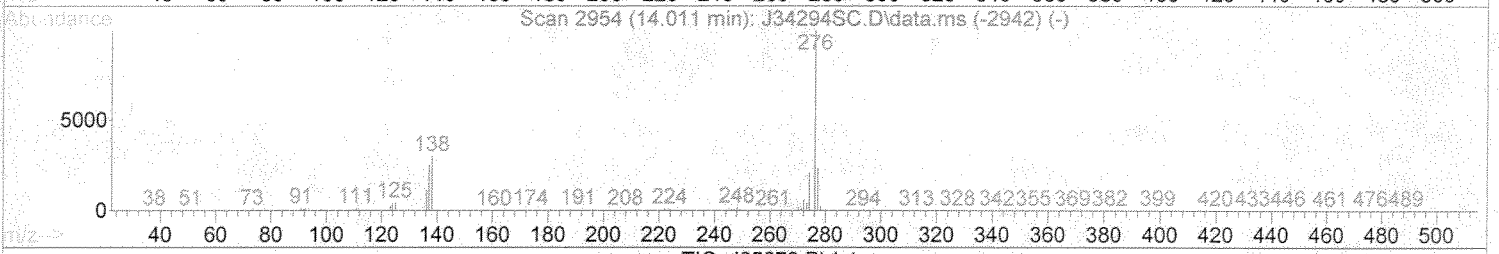
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35873.D
Acq On : 18 Sep 2010 10:30 am
Operator : AR/MG
Sample : 67799-3
Misc : SOIL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 18 20:16:48 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MC 9/18/10







TIC: J35873.D\data.ms

(27) Benzo(g,h,i) perylene (TM)

13.919min (+0.003) 1.05ug/ml

response 39220

Ion	Exp%	Act%
-276.00	100	100
138.00	32.20	32.70
0.00	0.00	0.00
0.00	0.00	0.00

092010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY Piping & Soil

Project Number: 106-2282

Field Sample ID: C-B82-DC-B-4

SAMPLE DATA

Lab Sample ID: 67799-4
Matrix: Solid
Percent Solid: 84
Dilution Factor: 1.1
Collection Date: 09/15/10
Lab Receipt Date: 09/16/10
Extraction Date: 09/16/10
Analysis Date: 09/18/10

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	8	U
Acenaphthylene	8	U
Acenaphthene	8	U
Fluorene	8	U
Phenanthrene	8	**11**
Anthracene	8	U
Fluoranthene	8	**30**
Pyrene	8	**26**
Benzo[a]anthracene	8	**12**
Chrysene	8	**13**
Benzo[b] fluoranthene	8	**19**
Benzo[k] fluoranthene	8	**6.7 J**
Benzo[a] pyrene	8	**14**
Dibenz [a,h] anthracene	8	U
Benzo(g,h,i) perylene	8	**11**
Indeno [1,2,3-cd] pyrene	8	**14**
2-Methylnaphthalene	8	U

Surrogate Standard Recovery

d5-nitrobenzene	75	%	2-Fluorobiphenyl	86	%	d14-p-terphenyl	101	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis.

Authorized signature

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35874.D
Acq On : 18 Sep 2010 10:51 am
Operator : AR/MG
Sample : 67799-4
Misc : SOIL
ALS Vial : 30 Sample Multiplier: 1

DF = 1.15

9/18/10

Quant Time: Sep 18 21:18:14 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d8-Naphthalene	5.308	136	1220781	40.00 ug/ml	0.00
5) d10-Acenaphthene	7.030	164	674514	40.00 ug/ml	0.00
11) d10-Phenanthrene	8.459	188	1145277	40.00 ug/ml	0.00
16) d12-Chrysene	11.002	240	1002752	40.00 ug/ml	0.00
21) d12-Perylene	12.467	264	894455	40.00 ug/ml	0.00
System Monitoring Compounds					
2) d5-nitrobenzene	4.592	82	52697	3.74 ug/ml	0.00
Spiked Amount 5.000	Range 35 - 100		Recovery	= 74.80%	
6) 2-Fluorobiphenyl	6.397	172	137372	4.32 ug/ml	0.00
Spiked Amount 5.000	Range 45 - 105		Recovery	= 86.40%	
18) d14-p-terphenyl	10.018	244	118747	5.04 ug/ml	0.00
Spiked Amount 5.000	Range 30 - 125		Recovery	= 100.80%	
Target Compounds					Qvalue
12) Phenanthrene	8.477	178	7067	0.14 ug/ml	98
15) Fluoranthene 30 ng/kg	9.618	202	21123	0.39 ug/ml	99
17) Pyrene	9.827	202	18852	0.34 ug/ml	98
19) Benzo[a]anthracene	10.983	226	2038	0.16 ug/ml#	53
20) Chrysene	11.021	228	7675	0.17 ug/ml	98
22) Benzo[b] fluoranthene	12.056	252	10233m	0.25 ug/ml	
23) Benzo[k] fluoranthene	12.077	252	3905m	0.09 ug/ml	
24) Benzo[a] pyrene	12.387	252	7201m	0.18 ug/ml	
25) Indeno [1,2,3-cd] pyrene	13.627	276	5058	0.18 ug/ml	100
27) Benzo(g,h,i) perylene	13.919	276	5519	0.15 ug/ml	96

10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

9-2010

15.58g

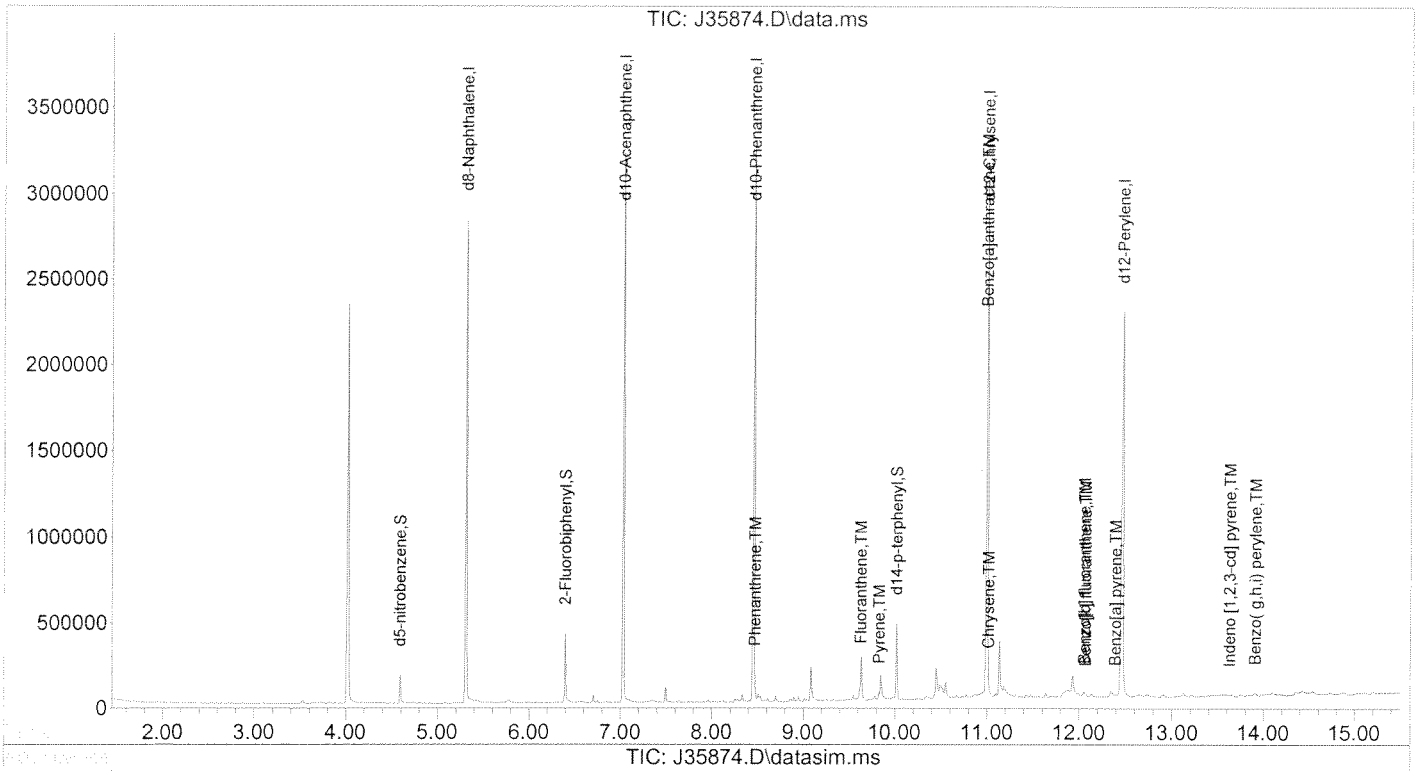
%SD = 83.73

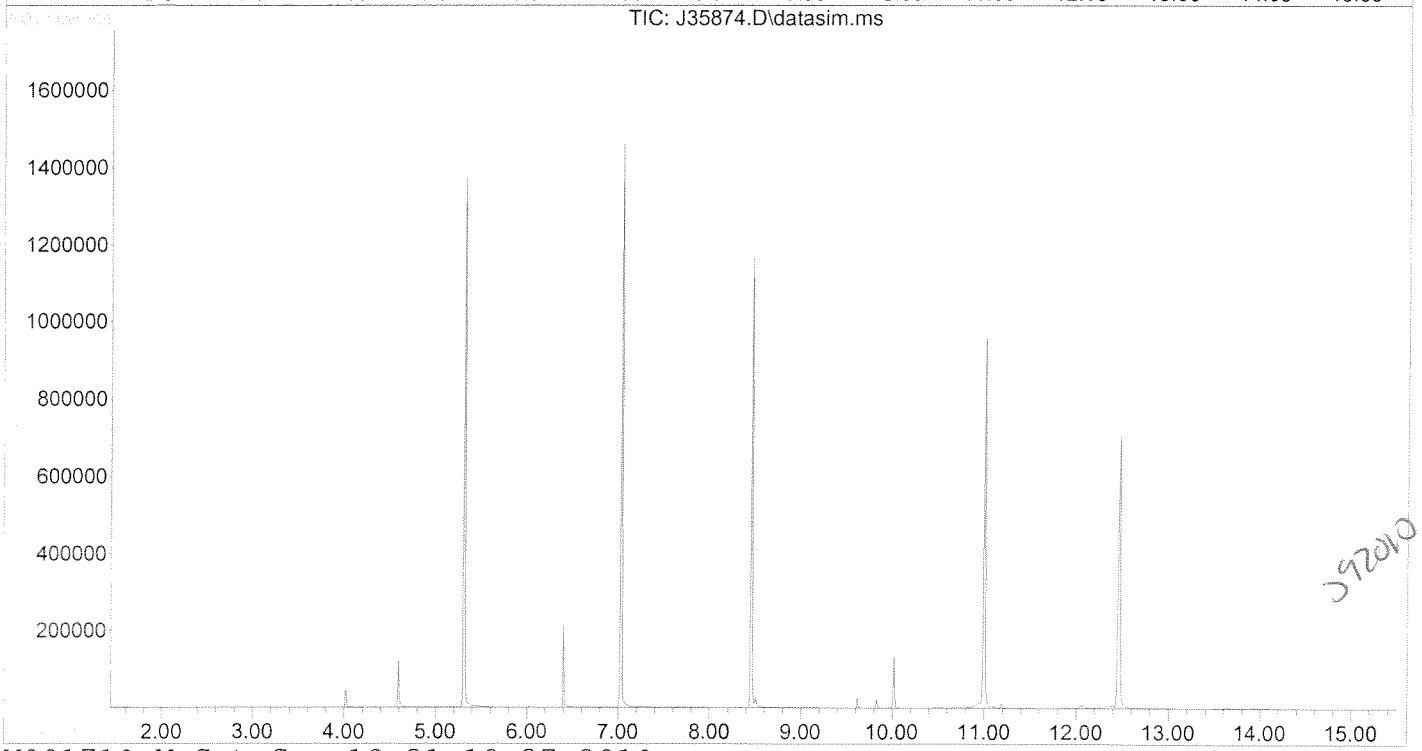
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35874.D
Acq On : 18 Sep 2010 10:51 am
Operator : AR/MG
Sample : 67799-4
Misc : SOIL
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 21:18:14 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10





J92010

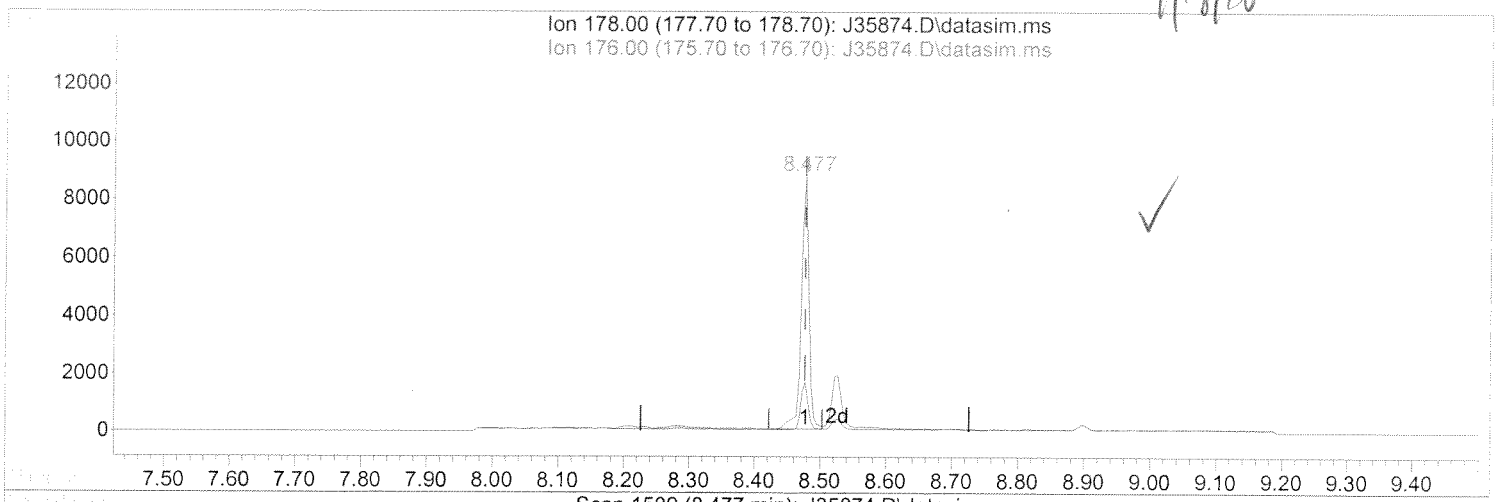
SIM091710.M Sat Sep 18 21:18:27 2010 Page: 2

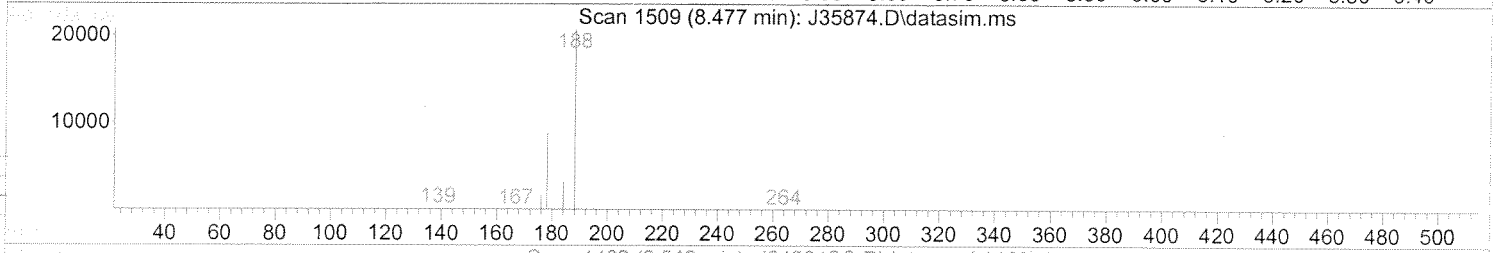
Quantitation Report (Qedit)

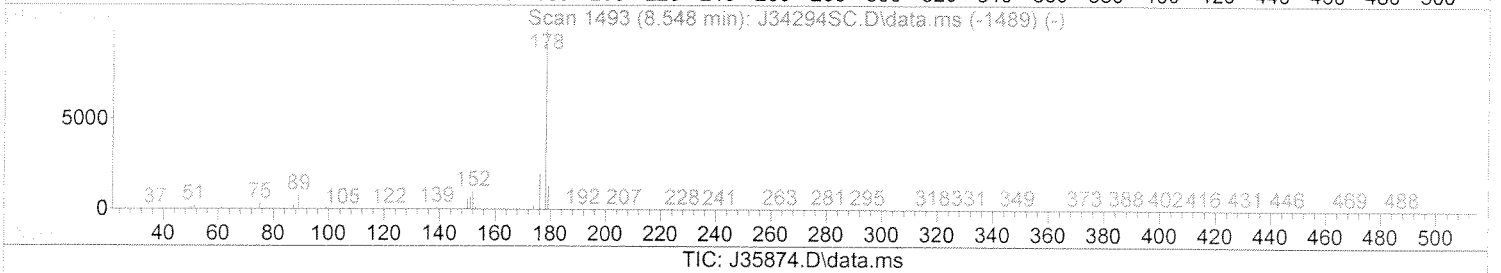
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35874.D
Acq On : 18 Sep 2010 10:51 am
Operator : AR/MG
Sample : 67799-4
Misc : SOIL
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 20:16:49 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35874.D\data.ms

(12) Phenanthrene (TM)

8.477min (+0.000) 0.14ug/ml

response 7067

Ion	Exp%	Act%
-178.00	100	100
176.00	18.80	18.11
0.00	0.00	0.00
0.00	0.00	0.00

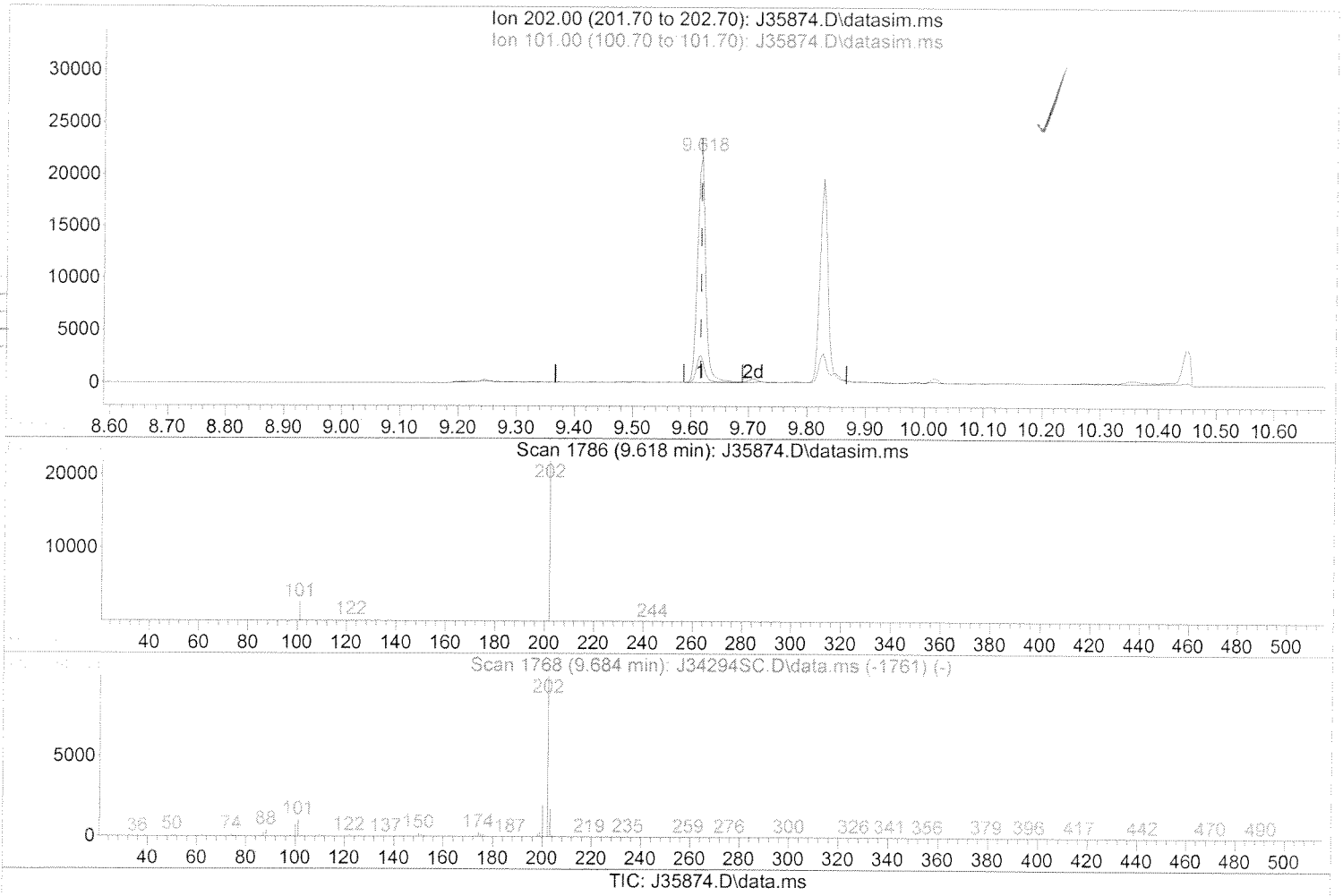
J 92010

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35874.D
Acq On : 18 Sep 2010 10:51 am
Operator : AR/MG
Sample : 67799-4
Misc : SOIL
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 20:16:49 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10



(15) Fluoranthene (TM)

9.618min (+0.000) 0.39ug/ml

response 21123

Ion	Exp%	Act%
-202.00	100	100
101.00	11.90	12.27
0.00	0.00	0.00
0.00	0.00	0.00

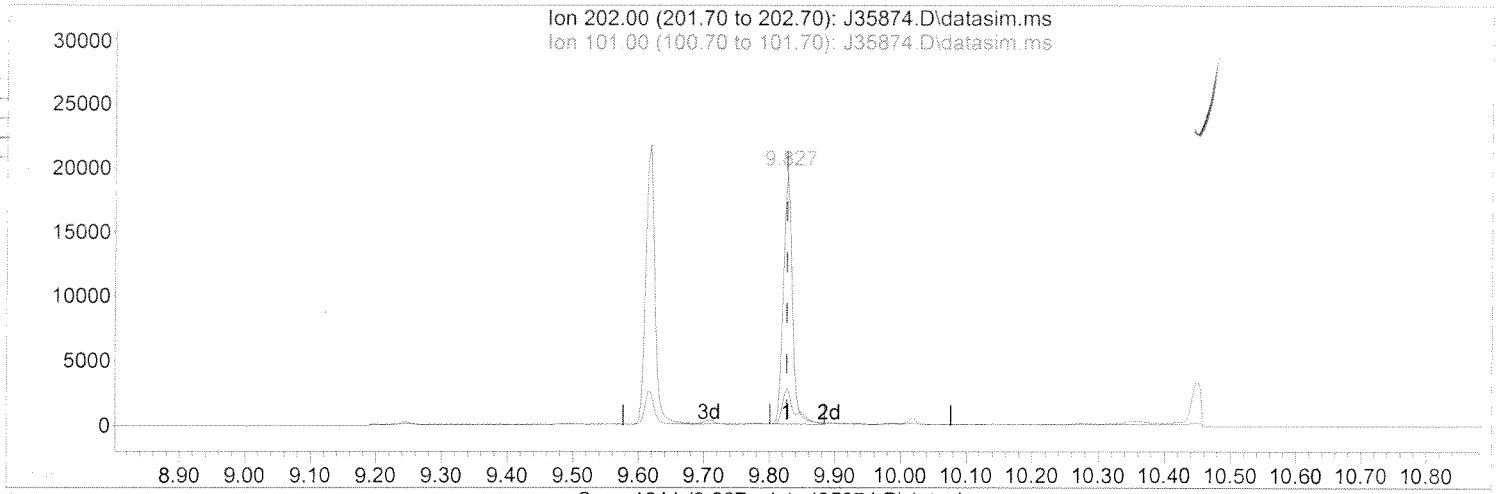
392010

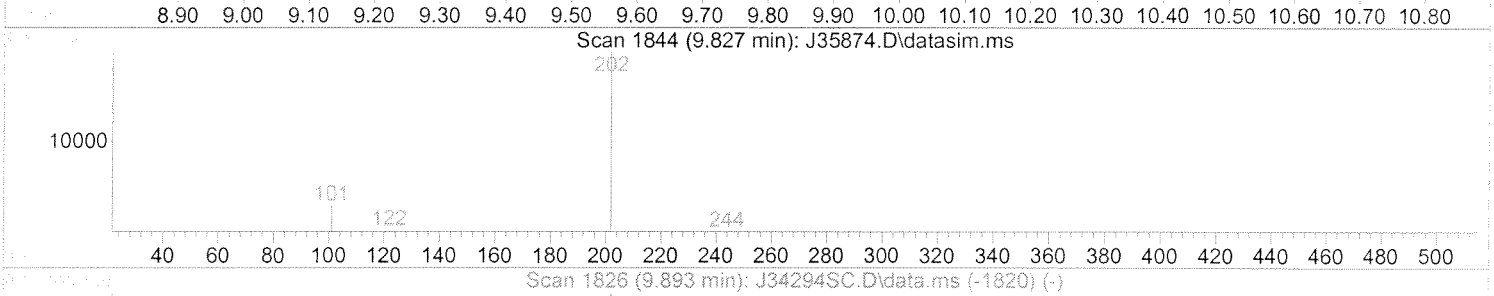
Quantitation Report (Qedit)

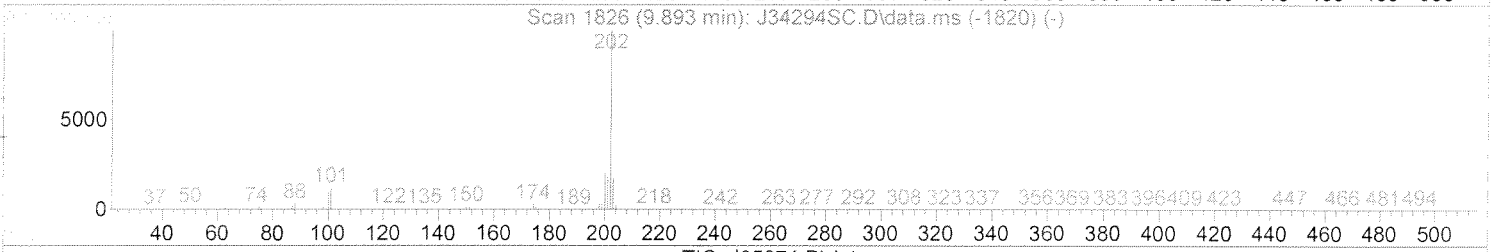
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35874.D
Acq On : 18 Sep 2010 10:51 am
Operator : AR/MG
Sample : 67799-4
Misc : SOIL
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 20:16:49 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35874.D\data.ms

(17) Pyrene (TM)

9.827min (+0.000) 0.34ug/ml

response 18852

Ion	Exp%	Act%
-202.00	100	100
101.00	13.70	14.51
0.00	0.00	0.00
0.00	0.00	0.00

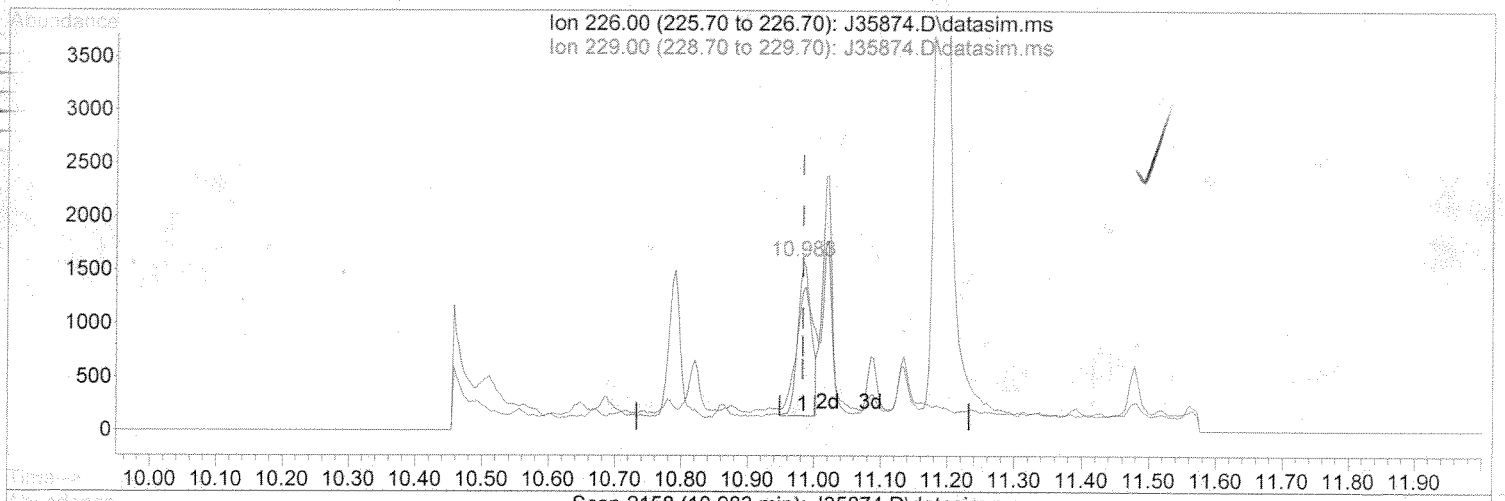
092010

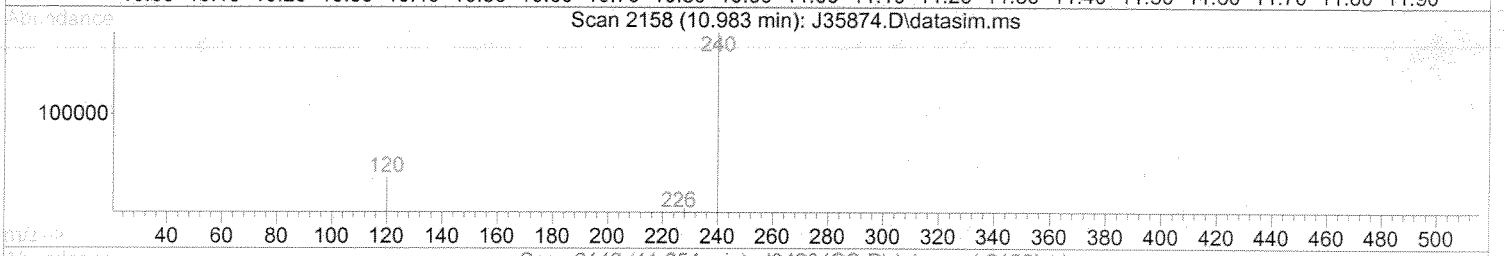
Quantitation Report (Qedit)

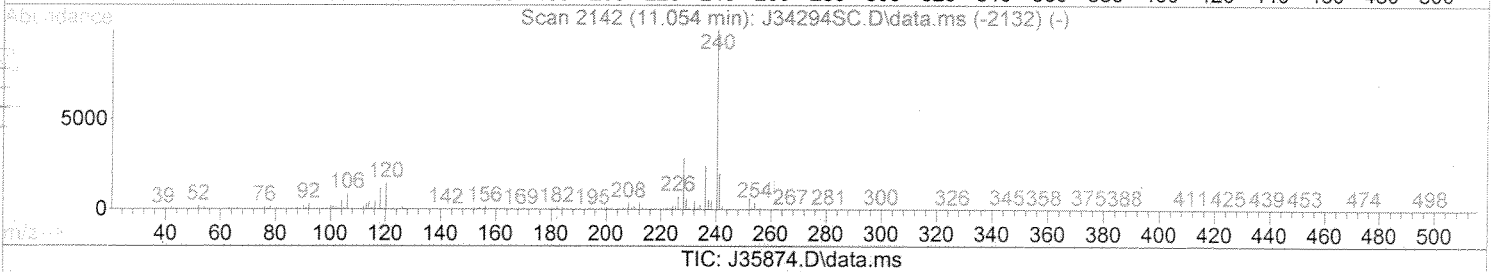
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35874.D
Acq On : 18 Sep 2010 10:51 am
Operator : AR/MG
Sample : 67799-4
Misc : SOIL
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 20:16:49 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MO 9/18/10







TIC: J35874.D\data.ms

(19) Benzo[a]anthracene (TM)

10.983min (+0.000) 0.16ug/ml

response 2038

Ion	Exp%	Act%
-226.00	100	100
229.00	71.20	110.30#
0.00	0.00	0.00
0.00	0.00	0.00

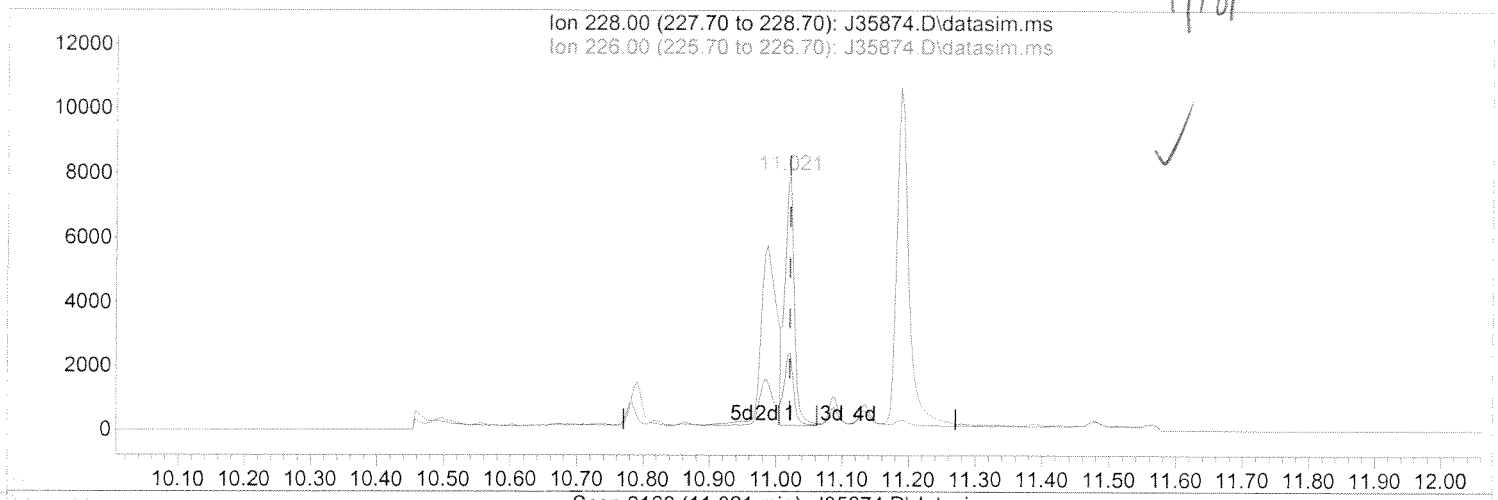
0 9/22/10

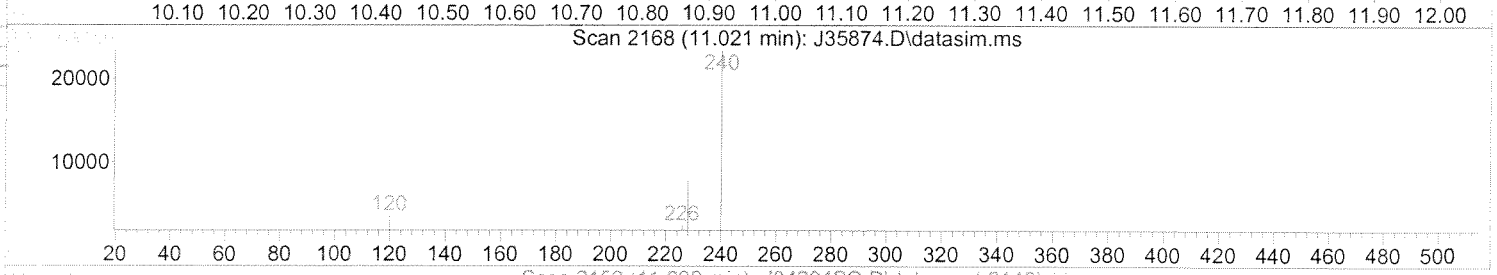
Quantitation Report (Qedit)

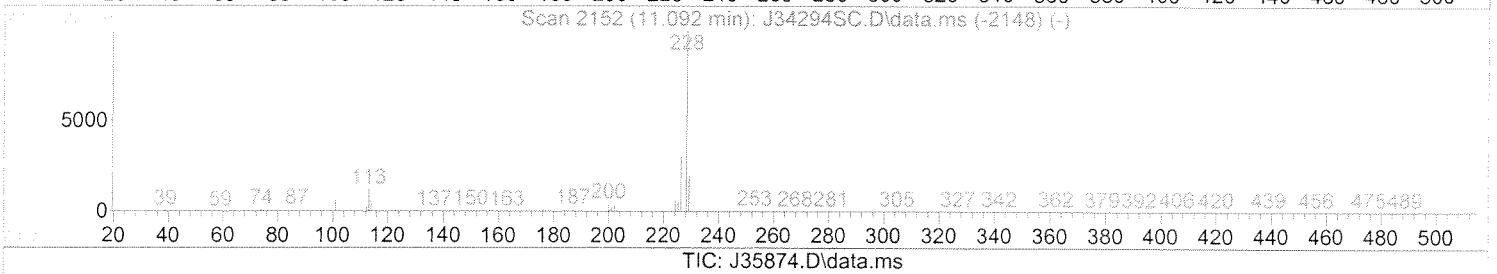
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35874.D
Acq On : 18 Sep 2010 10:51 am
Operator : AR/MG
Sample : 67799-4
Misc : SOIL
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 20:16:49 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35874.D\data.ms

(20) Chrysene (TM)

11.021min (+0.000) 0.17ug/ml

response 7675

Ion	Exp%	Act%
-228.00	100	100
226.00	29.00	30.03
0.00	0.00	0.00
0.00	0.00	0.00

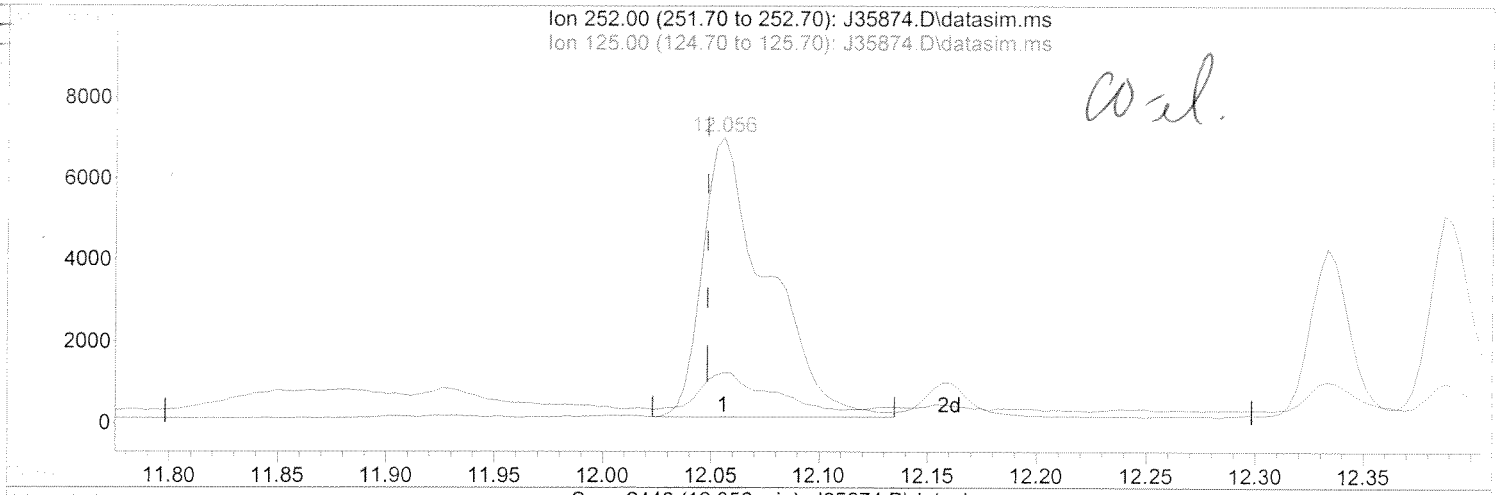
J92010

Quantitation Report (Qedit)

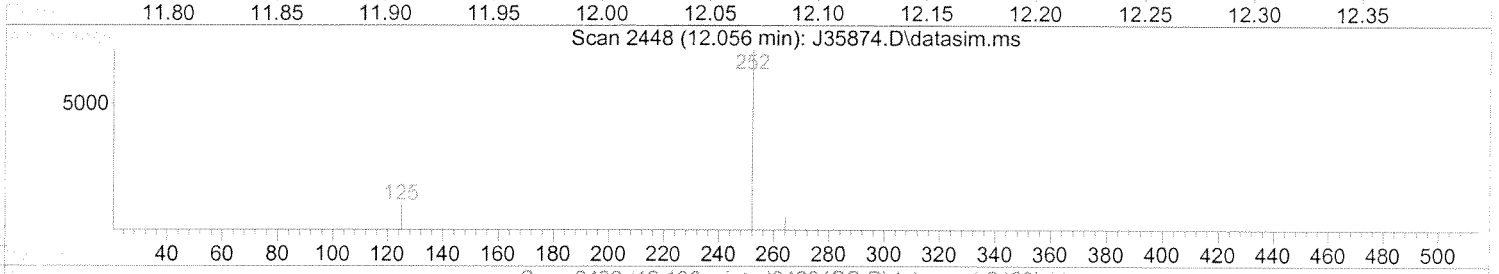
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35874.D
Acq On : 18 Sep 2010 10:51 am
Operator : AR/MG
Sample : 67799-4
Misc : SOIL
ALS Vial : 30 Sample Multiplier: 1

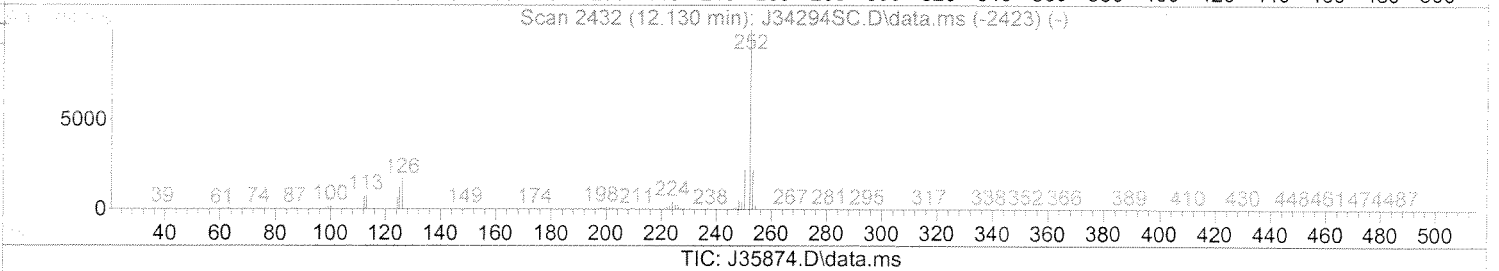
Quant Time: Sep 18 20:16:49 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MN 9/18/10



Cal.





TIC: J35874.D\data.ms

(22) Benzo[b] fluoranthene (TM)

12.056min (+0.007) 0.35ug/ml

response 14260

Ion	Exp%	Act%
-252.00	100	100
125.00	11.70	12.97
0.00	0.00	0.00
0.00	0.00	0.00

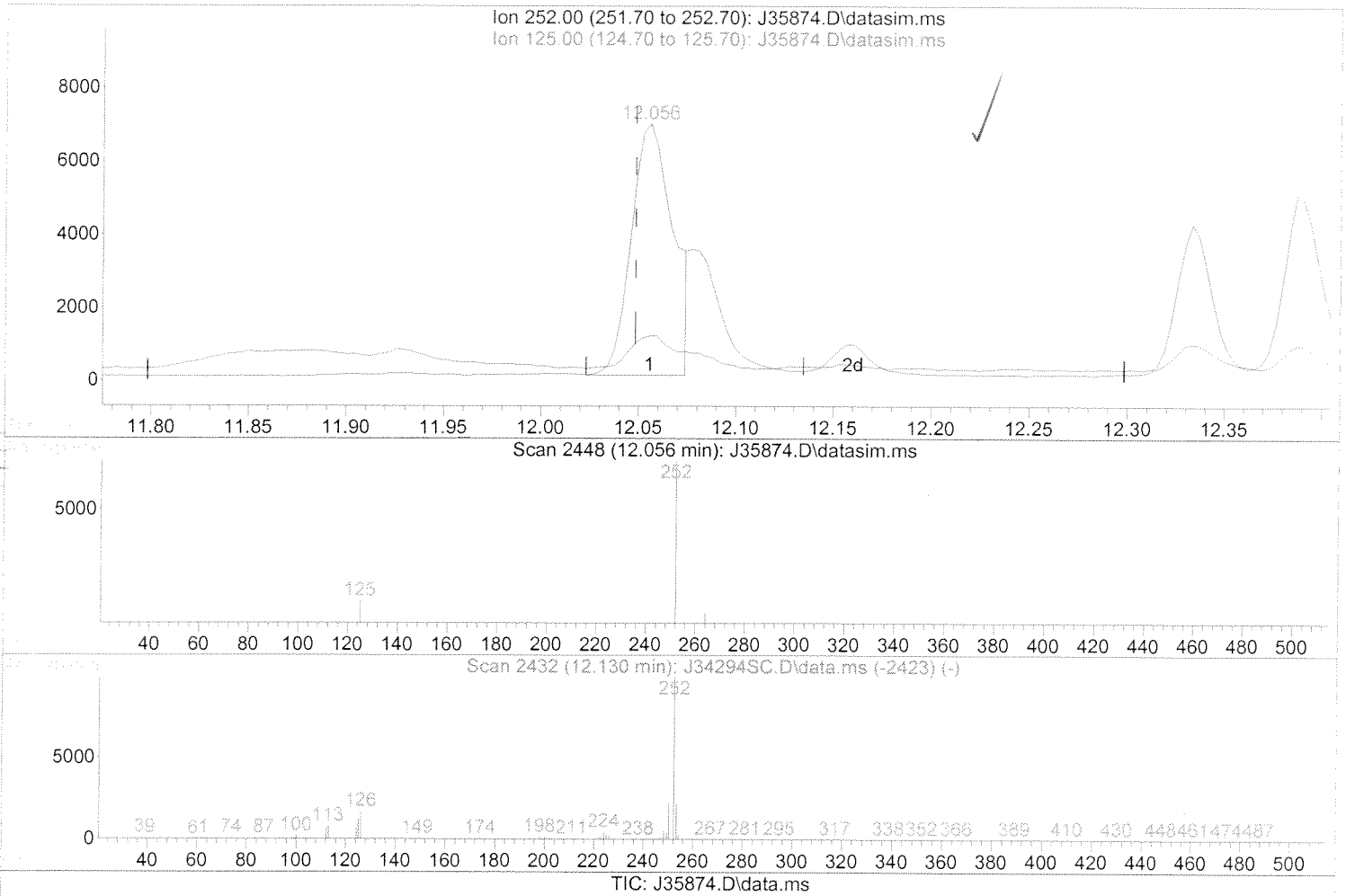
JR 2010

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35874.D
Acq On : 18 Sep 2010 10:51 am
Operator : AR/MG
Sample : 67799-4
Misc : SOIL
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 20:16:49 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MN 9/18/10



(22) Benzo[b] fluoranthene (TM)

12.056min (+0.007) 0.25ug/ml m

response 10233

Ion	Exp%	Act%
-252.00	100	100
125.00	11.70	18.08#
0.00	0.00	0.00
0.00	0.00	0.00

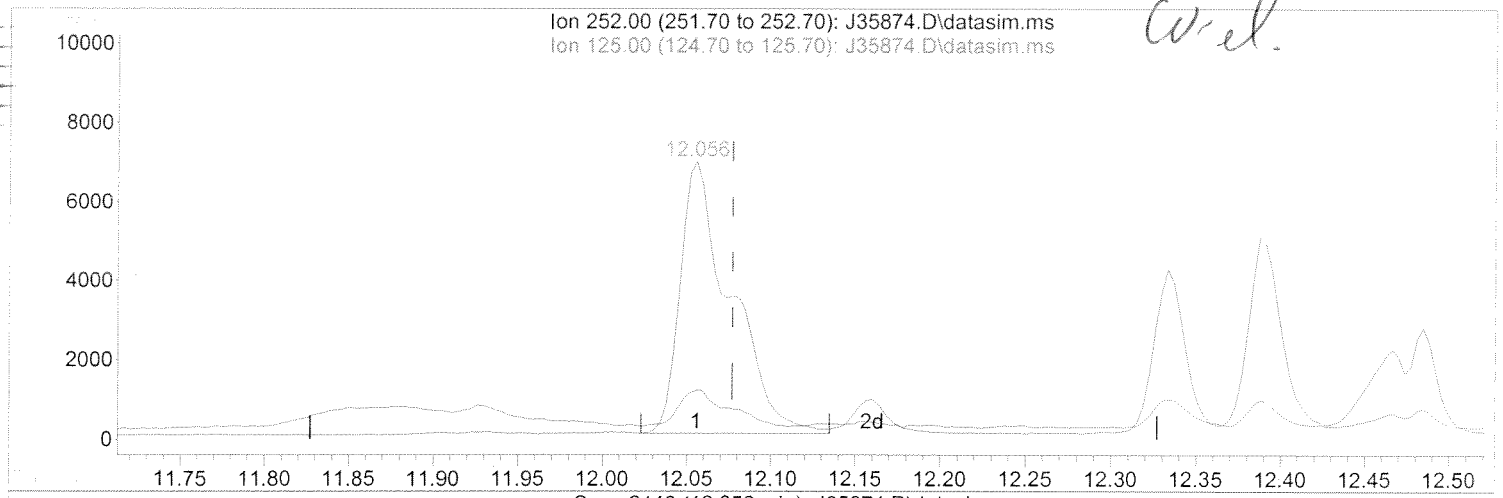
J92010

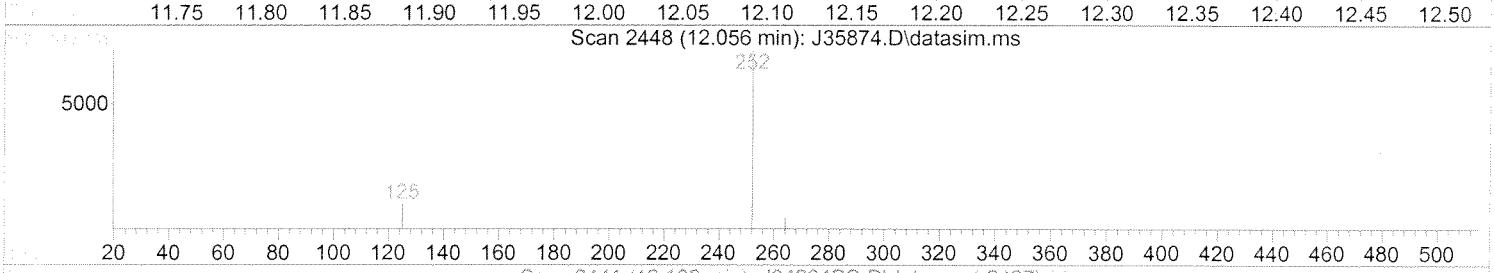
Quantitation Report (Qedit)

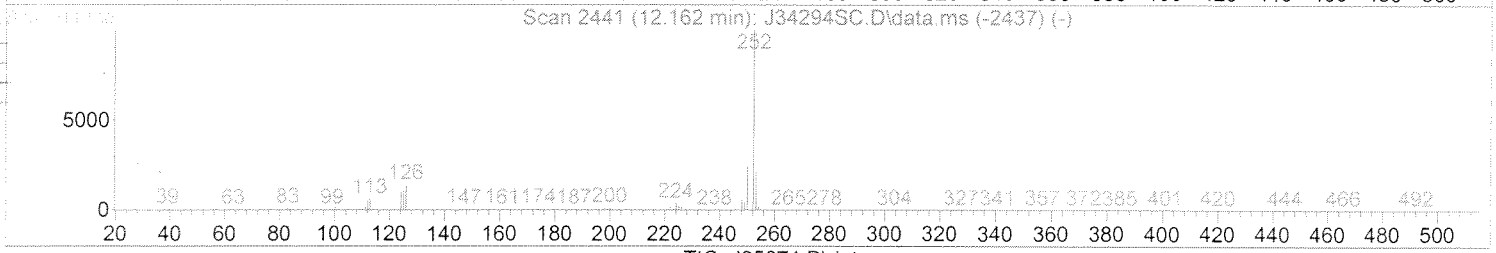
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35874.D
Acq On : 18 Sep 2010 10:51 am
Operator : AR/MG
Sample : 67799-4
Misc : SOIL
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 20:16:49 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35874.D\data.ms

(23) Benzo[k] fluoranthene (TM)

12.056min (-0.022) 0.32ug/ml

response 14260

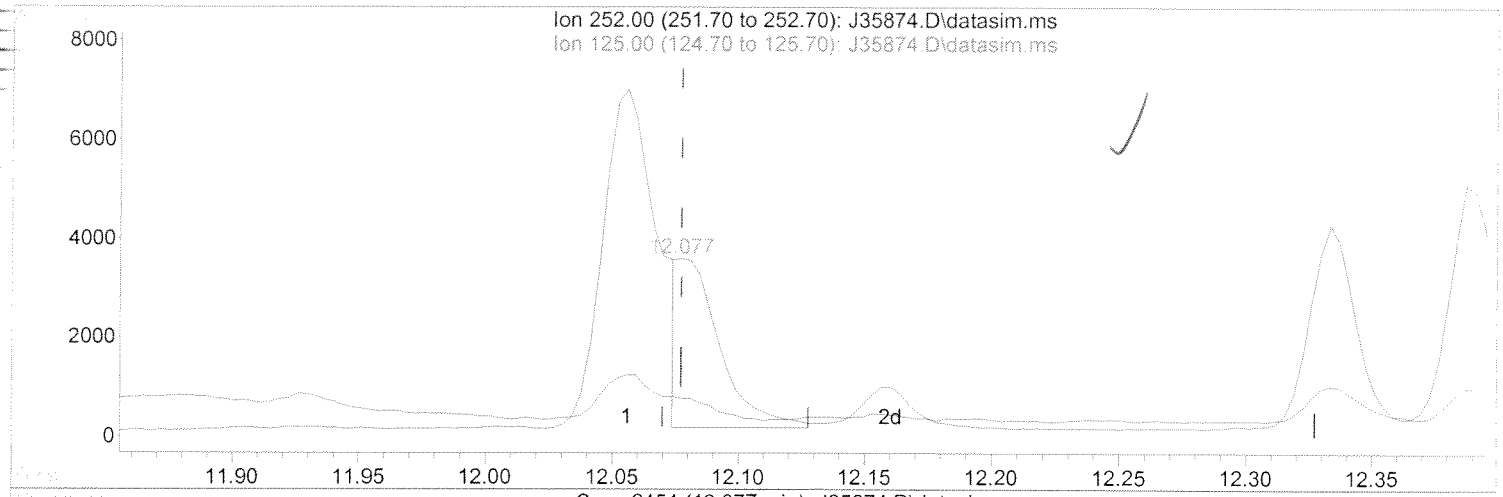
Ion	Exp%	Act%
-252.00	100	100
125.00	13.10	12.97
0.00	0.00	0.00
0.00	0.00	0.00

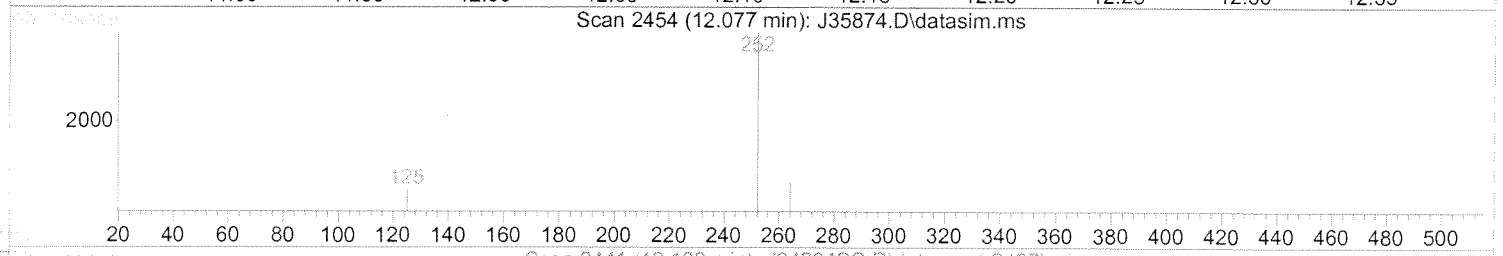
Quantitation Report (Qedit)

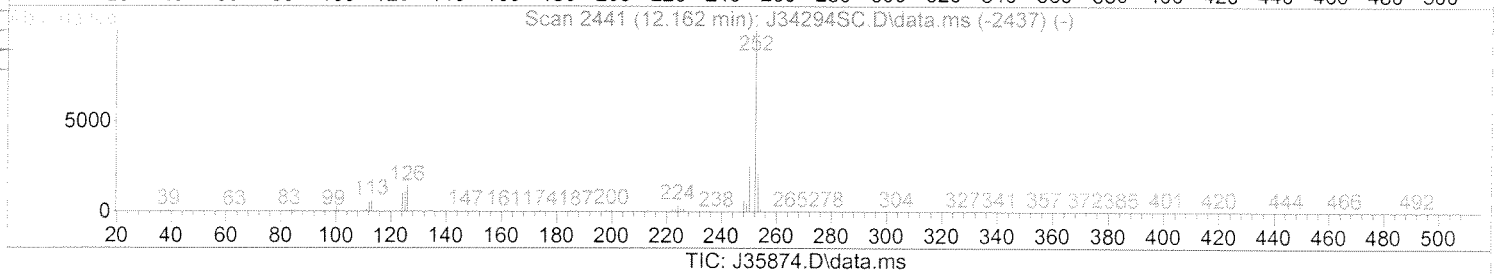
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35874.D
Acq On : 18 Sep 2010 10:51 am
Operator : AR/MG
Sample : 67799-4
Misc : SOIL
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 20:16:49 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







(23) Benzo[k] fluoranthene (TM)

12.077min (+0.000) 0.09ug/ml m

response 3905

Ion	Exp%	Act%
-252.00	100	100
125.00	13.10	47.38#
0.00	0.00	0.00
0.00	0.00	0.00

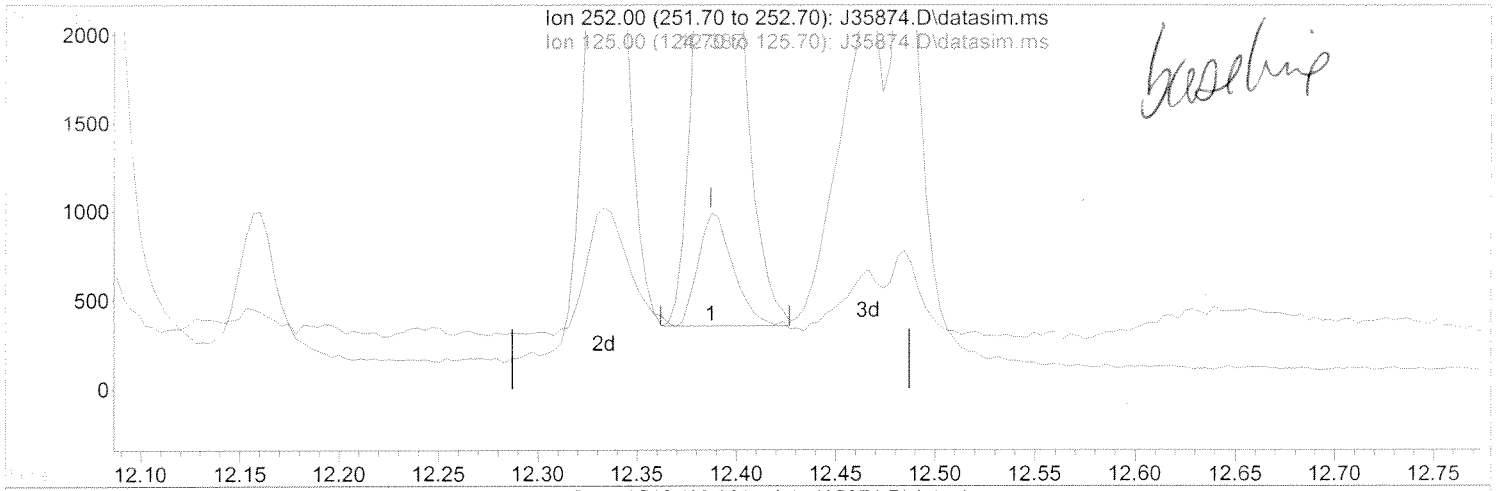
32.0

Quantitation Report (Qedit)

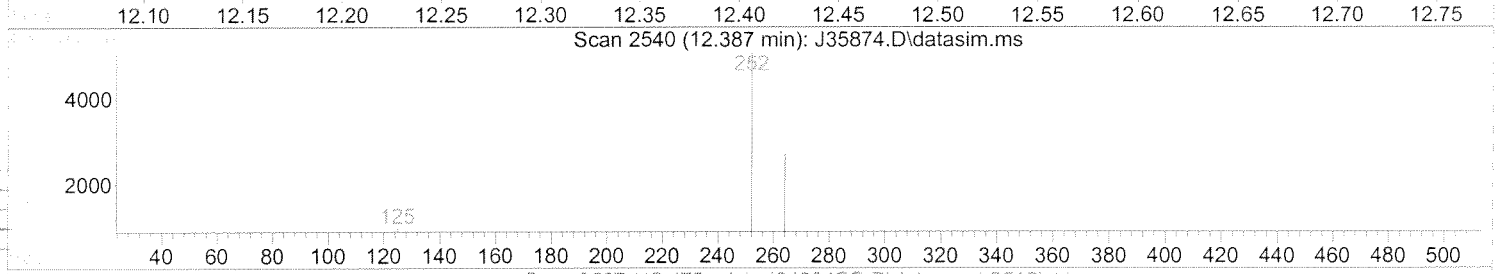
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35874.D
Acq On : 18 Sep 2010 10:51 am
Operator : AR/MG
Sample : 67799-4
Misc : SOIL
ALS Vial : 30 Sample Multiplier: 1

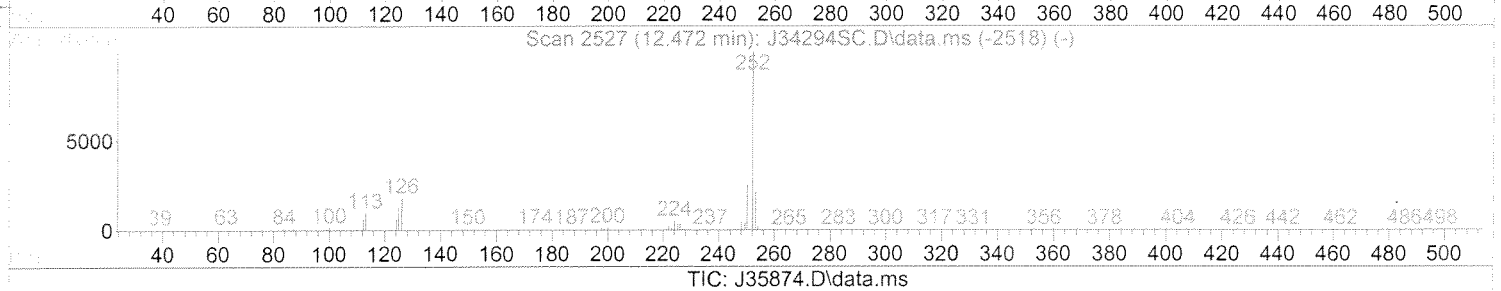
Quant Time: Sep 18 20:16:49 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10



baseline





TIC: J35874.D\data.ms

(24) Benzo[a] pyrene (TM)

12.387min (+0.000) 0.16ug/ml

response 6274

Ion	Exp%	Act%
-252.00	100	100
125.00	13.60	13.96
0.00	0.00	0.00
0.00	0.00	0.00

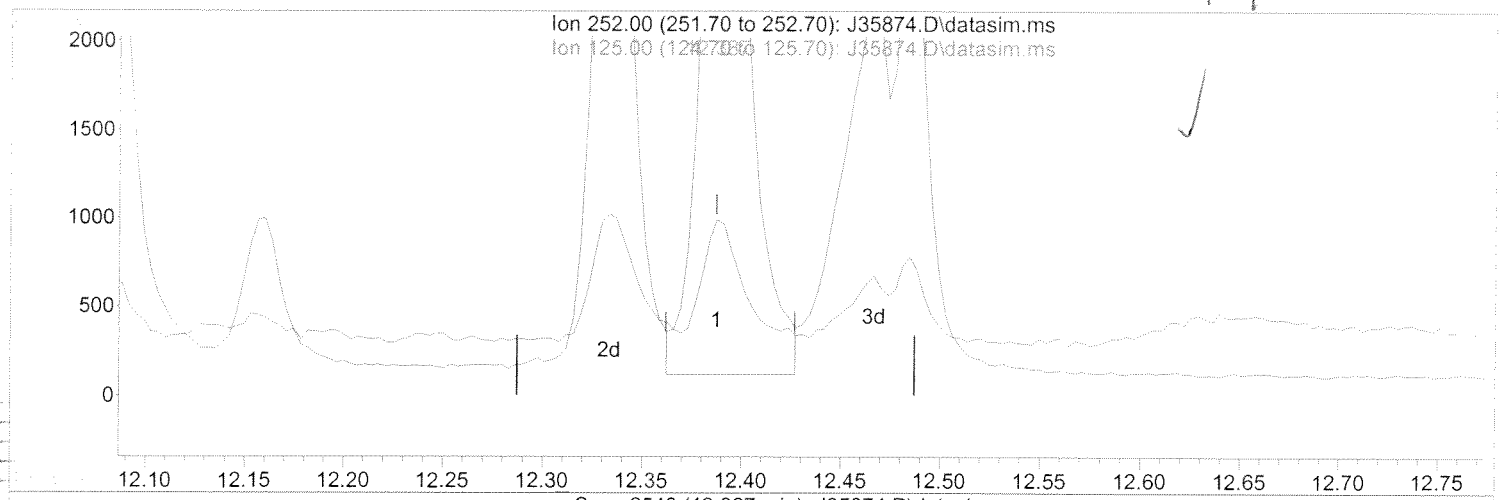
J420

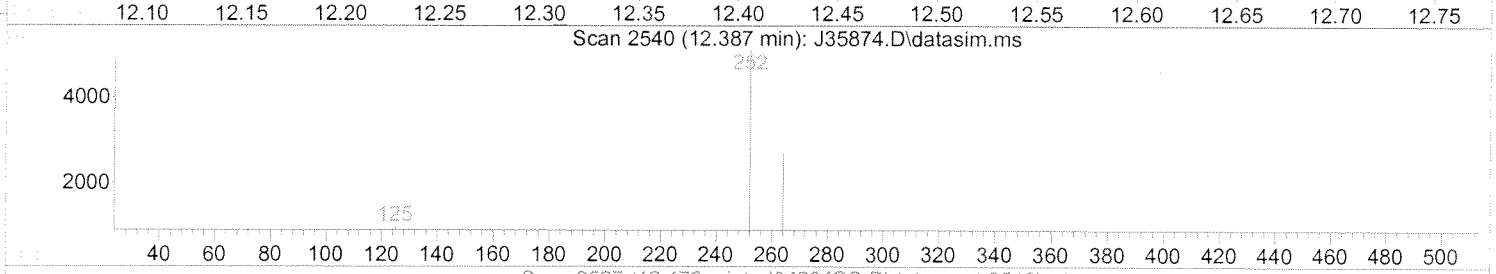
Quantitation Report (Qedit)

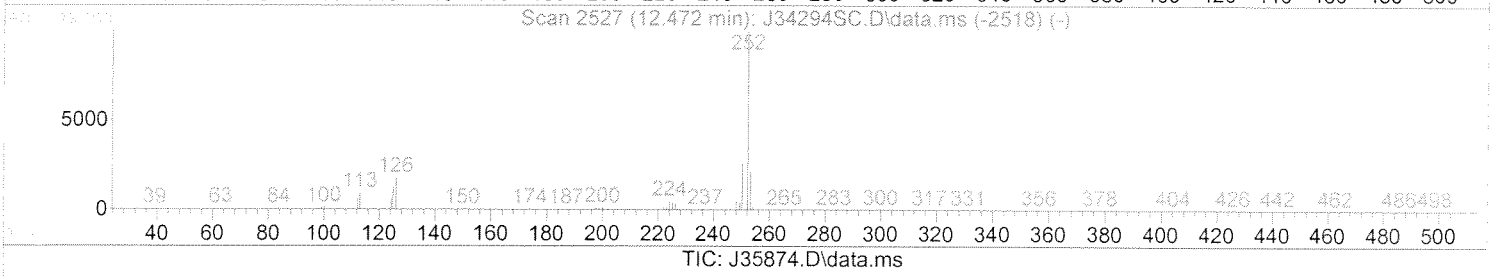
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35874.D
Acq On : 18 Sep 2010 10:51 am
Operator : AR/MG
Sample : 67799-4
Misc : SOIL
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 18 20:16:49 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35874.D\data.ms

(24) Benzo[a] pyrene (TM)

12.387min (+0.000) 0.18ug/ml m

response 7201

Ion	Exp%	Act%
-252.00	100	100
125.00	13.60	12.16
0.00	0.00	0.00
0.00	0.00	0.00

J92010

SEMI-VOLATILE
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:SVOCQC.doc

SEMIVOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67799

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B091610SIMASE	70		77		98	
L091610SIMASE	60		70		93	
LD091610SIMASE	49		55		68	
67799-1	70		83		89	
67799-1,MS	75		83		90	
67799-1,MSD	77		88		102	
67799-2	72		85		101	
67799-3	75		86		95	
67799-4	75		86		101	

		Lower Limit	Upper Limit
SMC #1 =	d5-nitrobenzene	35	100
SMC #2 =	2-Fluorobiphenyl	45	105
SMC #3 =	d14-p-terphenyl	30	125

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

SVOA SIM FORM 2

SEMIVOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

9/18/10

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B091610SIMASE
Spike: L091610SIMASE
Spike duplicate: LD091610SIMASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	333	333	40	105	25	0	196	59		161	48		20	
2-Methylnaphthalene	333	333	45	105	25	0	199	60		156	47		25	
2-Chloronaphthalene	333	333	30	130	25	0	228	68		179	54		24	
Acenaphthylene	333	333	45	105	25	0	243	73		189	57		25	*
Acenaphthene	333	333	45	110	25	0	224	67		174	52		25	*
Fluorene	333	333	50	110	25	0	236	71		183	55		25	*
Phenanthrene	333	333	50	110	25	0	245	74		181	55		30	*
Anthracene	333	333	55	105	25	0	255	77		191	57		29	*
Fluoranthene	333	333	50	115	25	0	295	88		220	66		29	*
Pyrene	333	333	45	125	25	0	286	86		213	64		29	*
Benzo[a]anthracene	333	333	50	110	25	0	296	89		211	63		34	*
Chrysene	333	333	55	110	25	0	268	81		201	60		29	*
Benzo[b] fluoranthene	333	333	45	115	25	0	330	99		225	68		38	*
Benzo[k] fluoranthene	333	333	45	125	25	0	288	86		221	66		26	*
Benzo[a] pyrene	333	333	50	110	25	0	307	92		221	66		32	*
Indeno [1,2,3-cd] pyrene	333	333	40	120	25	0	320	96		224	67		35	*
Dibenz [a,h] anthracene	333	333	40	125	25	0	305	92		222	67		32	*
Benzo(g,h,i) perylene	333	333	40	125	25	0	293	88		213	64		32	*

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: ↑ RPDs

592010

SVOA SIM FORM 3

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35860Q.D
Acq On : 18 Sep 2010 5:56 am
Operator : AR/MG
Sample : L091610SIMASE
Misc : SOIL
ALS Vial : 16 Sample Multiplier: 1

MV 9/18/10

Quant Time: Sep 18 20:36:16 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d8-Naphthalene	5.308	136	1195227	40.00 ug/ml	0.00
5) d10-Acenaphthene	7.031	164	654467	40.00 ug/ml	0.00
11) d10-Phenanthrene	8.459	188	1104644	40.00 ug/ml	0.00
16) d12-Chrysene	11.002	240	974251	40.00 ug/ml	0.00
21) d12-Perylene	12.467	264	854272	40.00 ug/ml	0.00
System Monitoring Compounds					
2) d5-nitrobenzene	4.592	82	41205	2.99 ug/ml	0.00
Spiked Amount 5.000	Range 35 - 100		Recovery	= 59.80%	
6) 2-Fluorobiphenyl	6.397	172	110152	3.49 ug/ml	0.00
Spiked Amount 5.000	Range 45 - 105		Recovery	= 69.80%	
18) d14-p-terphenyl	10.018	244	107262	4.66 ug/ml	0.00
Spiked Amount 5.000	Range 30 - 125		Recovery	= 93.20%	
Target Compounds					Qvalue
3) Naphthalene	5.327	128	122601	2.93 ug/ml	100
4) 2-Methylnaphthalene	6.021	141	77785	2.99 ug/ml	96
7) 2-Chloronaphthalene	6.491	162	100724	3.42 ug/ml	95
8) Acenaphthylene	6.885	152	164845	3.64 ug/ml	96
9) Acenaphthene	7.060	154	86920	3.36 ug/ml	100
10) Fluorene	7.559	166	118033	3.54 ug/ml	98
12) Phenanthrene	8.477	178	173985	3.68 ug/ml	100
13) Anthracene	8.522	178	186555	3.82 ug/ml	100
15) Fluoranthene	9.614	202	229446	4.42 ug/ml	100
17) Pyrene	9.827	202	230486	4.28 ug/ml	98
19) Benzo[a]anthracene	10.987	226	46892	4.43 ug/ml	99
20) Chrysene	11.021	228	176255	4.02 ug/ml	100
22) Benzo[b] fluoranthene	12.049	252	181822	4.95 ug/ml	100
23) Benzo[k] fluoranthene	12.081	252	184083	4.32 ug/ml	100
24) Benzo[a] pyrene	12.387	252	175406	4.60 ug/ml	99
25) Indeno [1,2,3-cd] pyrene	13.620	276	130435m	4.79 ug/ml	
26) Dibenz [a,h] anthracene	13.656	278	140877	4.58 ug/ml	99
27) Benzo(g,h,i) perylene	13.916	276	159210	4.40 ug/ml	100

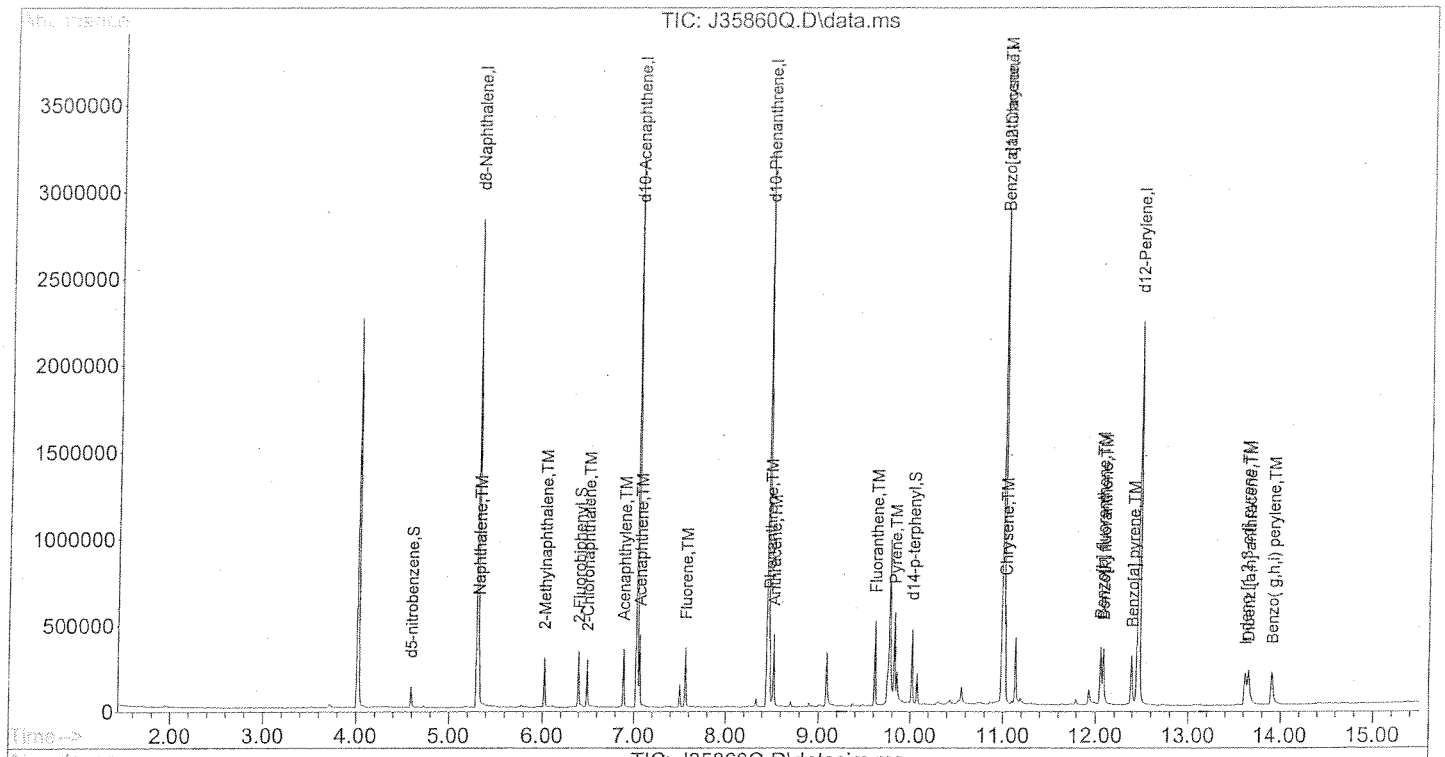
(#) = qualifier out of range (m) = manual integration (+) = signals summed

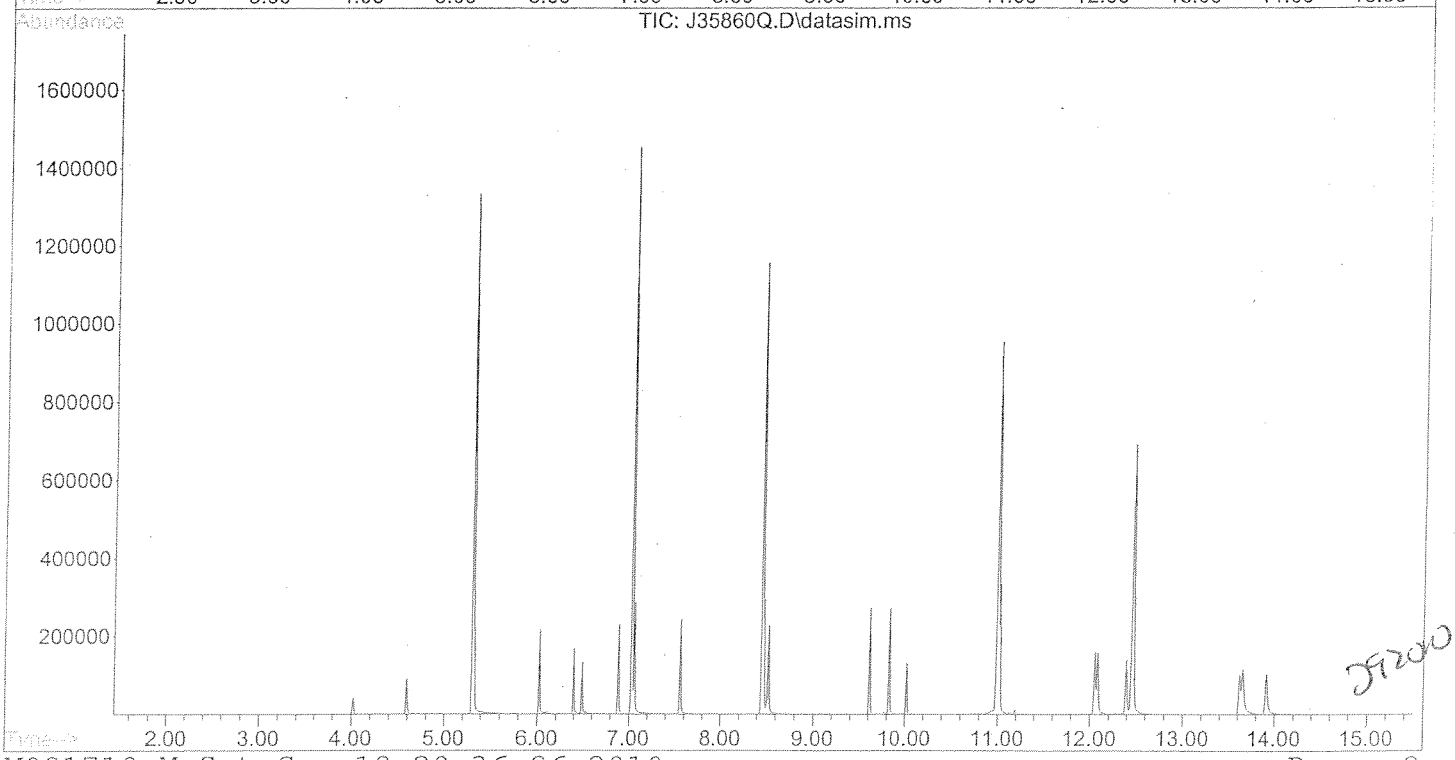
9/20/10

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35860Q.D
Acq On : 18 Sep 2010 5:56 am
Operator : AR/MG
Sample : L091610SIMASE
Misc : SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 18 20:36:16 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10



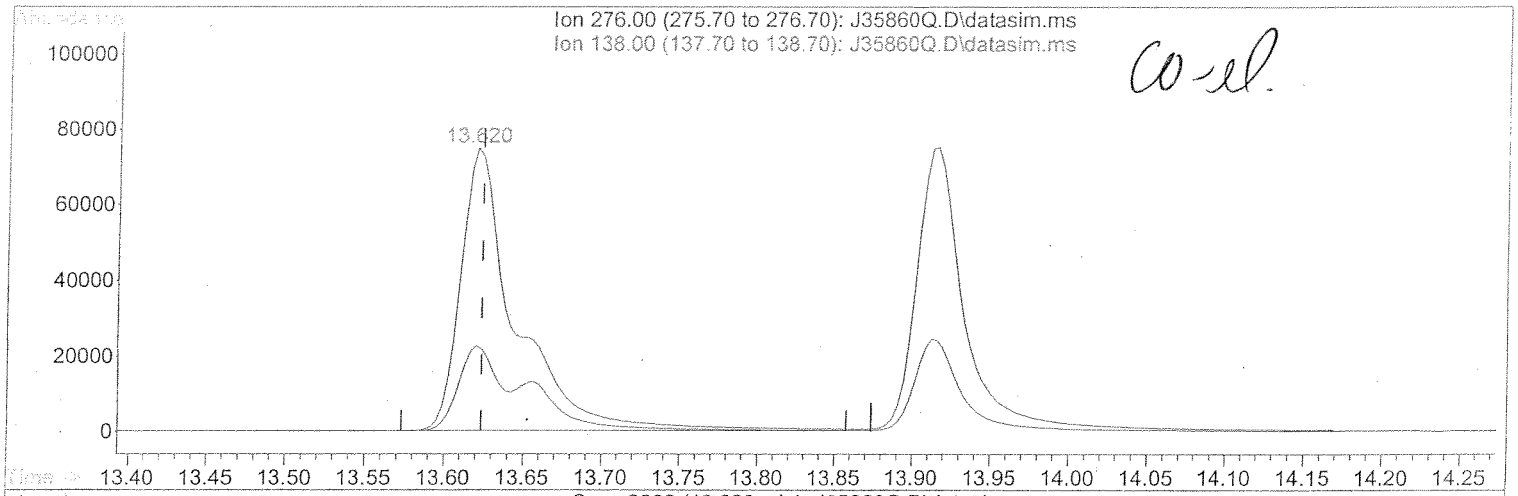


J5200

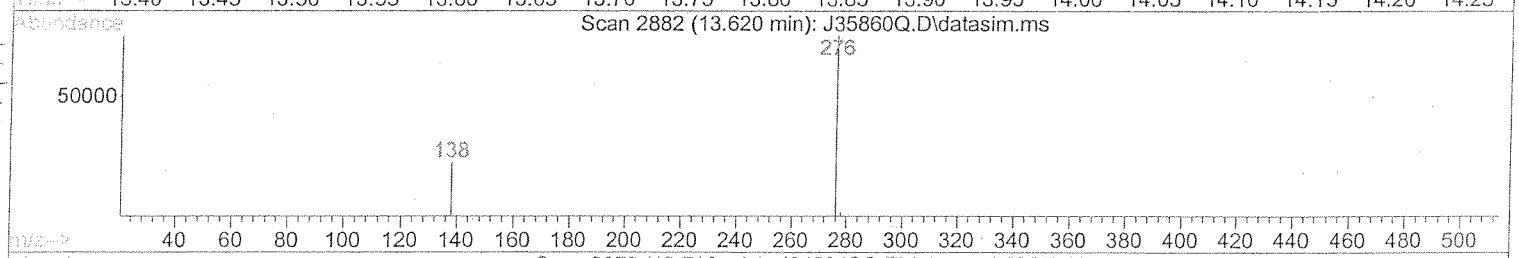
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35860Q.D
Acq On : 18 Sep 2010 5:56 am
Operator : AR/MG
Sample : L091610SIMASE
Misc : SOIL
ALS Vial : 16 Sample Multiplier: 1

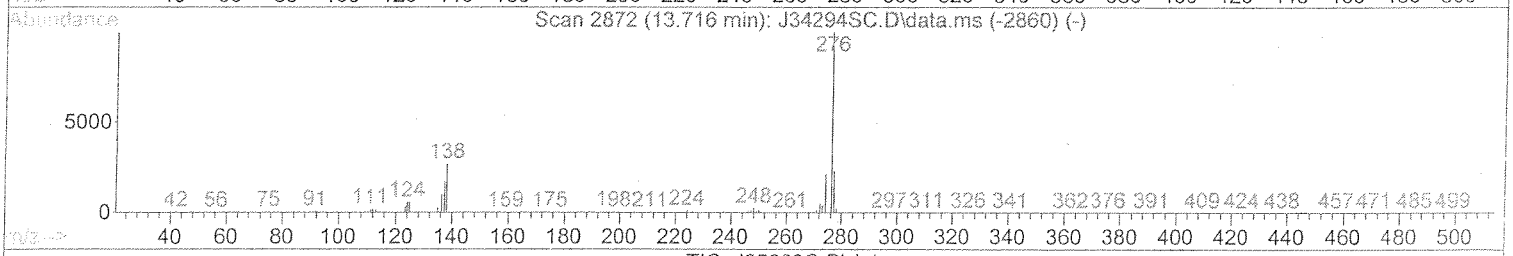
Quant Time: Sep 18 20:16:35 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10



co-el.





TIC: J35860Q.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.620min (-0.004) 6.76ug/ml

response 183845

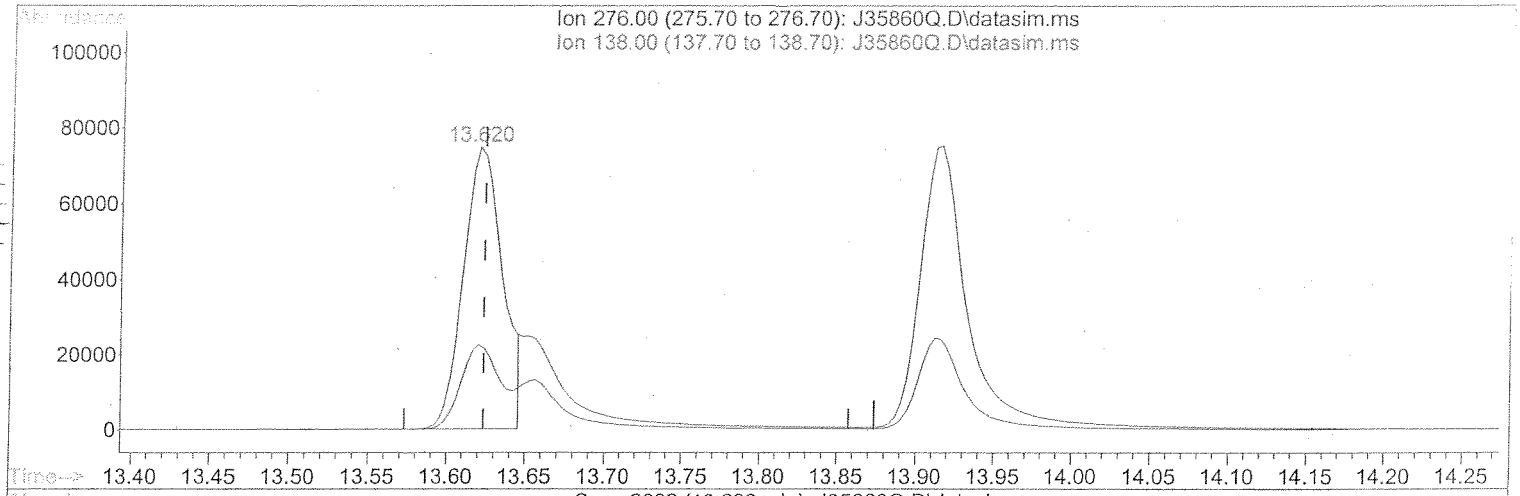
Ion	Exp%	Act%
276.00	100	100
138.00	30.20	21.22#
0.00	0.00	0.00
0.00	0.00	0.00

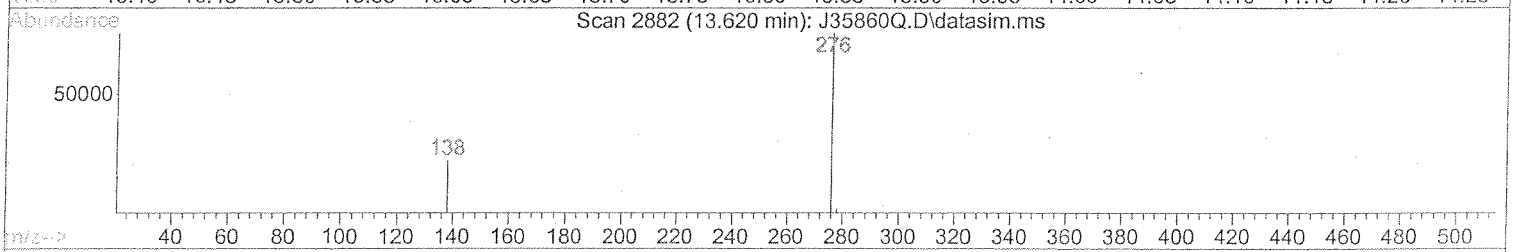
5/9/2010

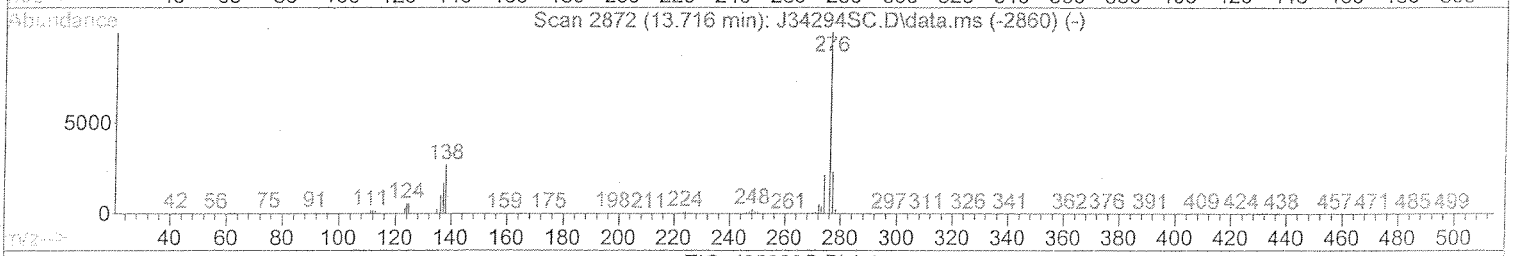
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35860Q.D
Acq On : 18 Sep 2010 5:56 am
Operator : AR/MG
Sample : L091610SIMASE
Misc : SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 18 20:16:35 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

AR 9/18/10







TIC: J35860Q.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.620min (-0.004) 4.79ug/ml m

response 130435

Ion	Exp%	Act%
-276.00	100	100
138.00	30.20	29.92
0.00	0.00	0.00
0.00	0.00	0.00

392010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35861Q.D
Acq On : 18 Sep 2010 6:17 am
Operator : AR/MG
Sample : LD091610SIMASE
Misc : SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 18 20:40:22 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d8-Naphthalene	5.308	136	1208572	40.00	ug/ml	0.00
5) d10-Acenaphthene	7.031	164	647919	40.00	ug/ml	0.00
11) d10-Phenanthrene	8.459	188	1118077	40.00	ug/ml	0.00
16) d12-Chrysene	11.002	240	976085	40.00	ug/ml	0.00
21) d12-Perylene	12.467	264	885816	40.00	ug/ml	0.00
System Monitoring Compounds						
2) d5-nitrobenzene	4.592	82	34235	2.45	ug/ml	0.00
Spiked Amount 5.000	Range 35 - 100		Recovery = 49.00%			
6) 2-Fluorobiphenyl	6.397	172	88195	2.75	ug/ml	0.00
Spiked Amount 5.000	Range 45 - 105		Recovery = 55.00%			
18) d14-p-terphenyl	10.018	244	80320	3.39	ug/ml	0.00
Spiked Amount 5.000	Range 30 - 125		Recovery = 67.80%			
Target Compounds						Qvalue
3) Naphthalene	5.327	128	101728	2.41	ug/ml	100
4) 2-Methylnaphthalene	6.021	141	61468	2.34	ug/ml	95
7) 2-Chloronaphthalene	6.491	162	78350	2.68	ug/ml	95
8) Acenaphthylene	6.885	152	126603	2.83	ug/ml	96
9) Acenaphthene	7.060	154	66808	2.60	ug/ml	100
10) Fluorene	7.559	166	90799	2.75	ug/ml	99
12) Phenanthrene	8.477	178	130253	2.72	ug/ml	100
13) Anthracene	8.522	178	141403	2.86	ug/ml	100
15) Fluoranthene	9.614	202	173605	3.30	ug/ml	99
17) Pyrene	9.827	202	172245	3.19	ug/ml	98
19) Benzo[a]anthracene	10.983	226	33870	3.16	ug/ml	98
20) Chrysene	11.021	228	132114	3.01	ug/ml	100
22) Benzo[b] fluoranthene	12.049	252	130070	3.37	ug/ml	98
23) Benzo[k] fluoranthene	12.077	252	146615	3.32	ug/ml	98
24) Benzo[a] pyrene	12.387	252	131209	3.32	ug/ml	99
25) Indeno [1,2,3-cd] pyrene	13.620	276	94686m	3.36	ug/ml	
26) Dibenz [a,h] anthracene	13.656	278	106030	3.32	ug/ml	99
27) Benzo(g,h,i) perylene	13.912	276	119721	3.19	ug/ml	100

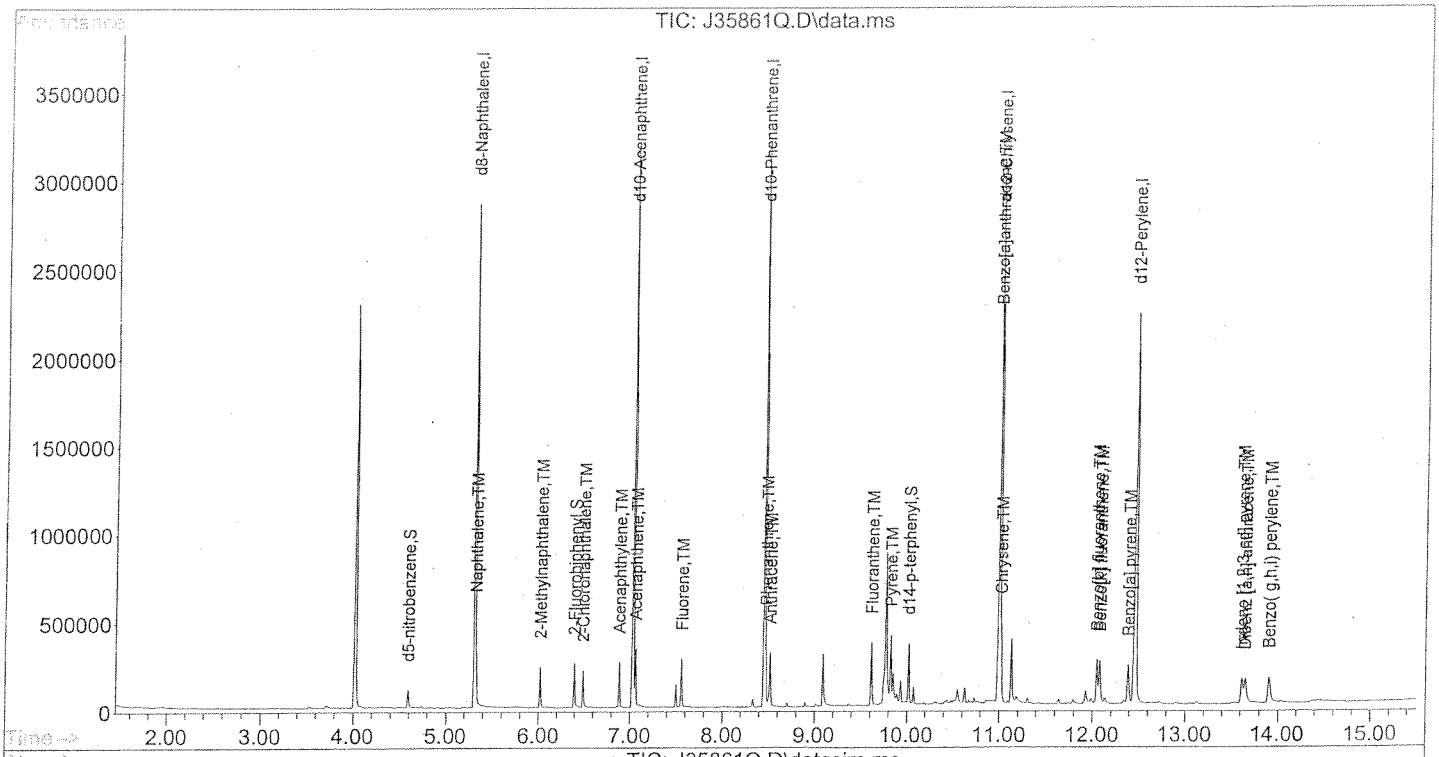
(#) = qualifier out of range (m) = manual integration (+) = signals summed

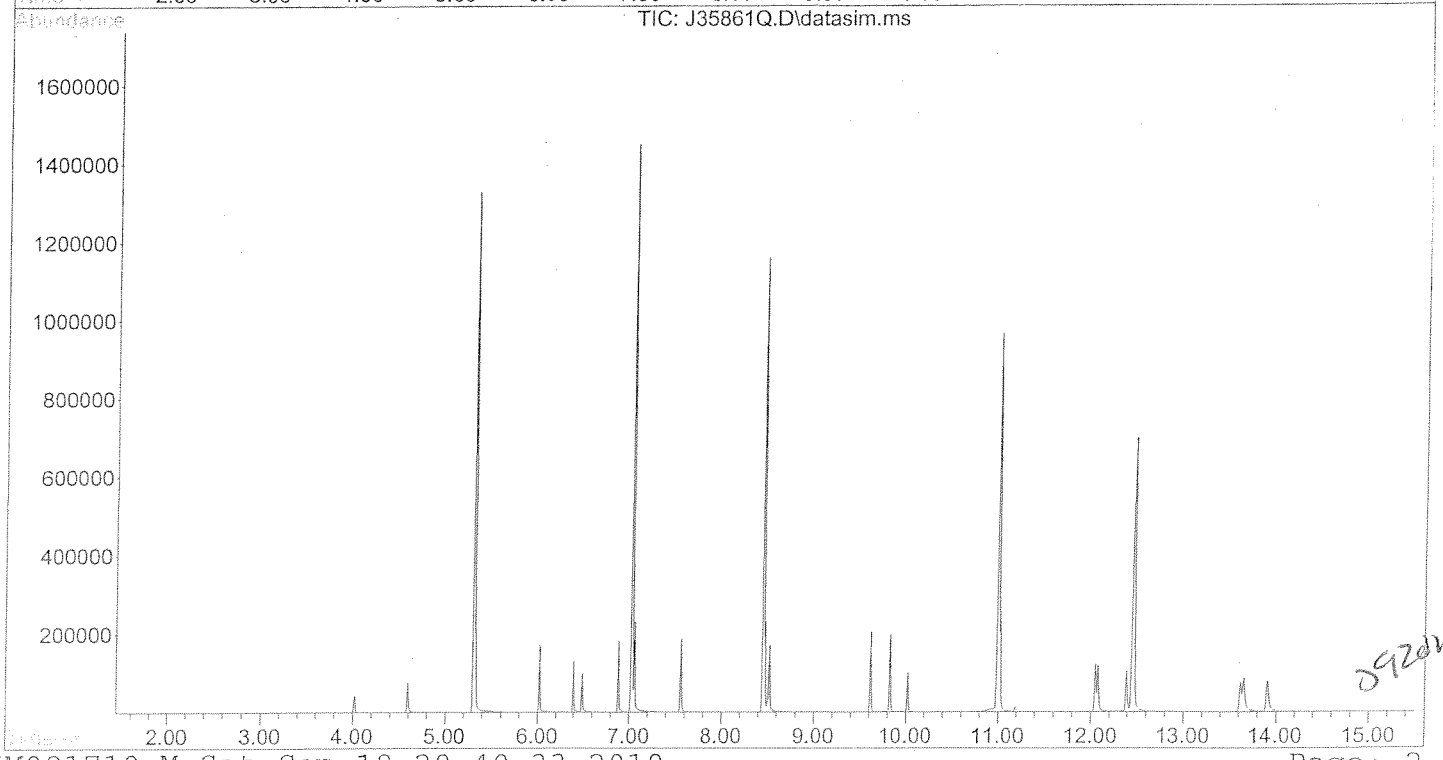
59220

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35861Q.D
Acq On : 18 Sep 2010 6:17 am
Operator : AR/MG
Sample : LD091610SIMASE
Misc : SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 18 20:40:22 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10





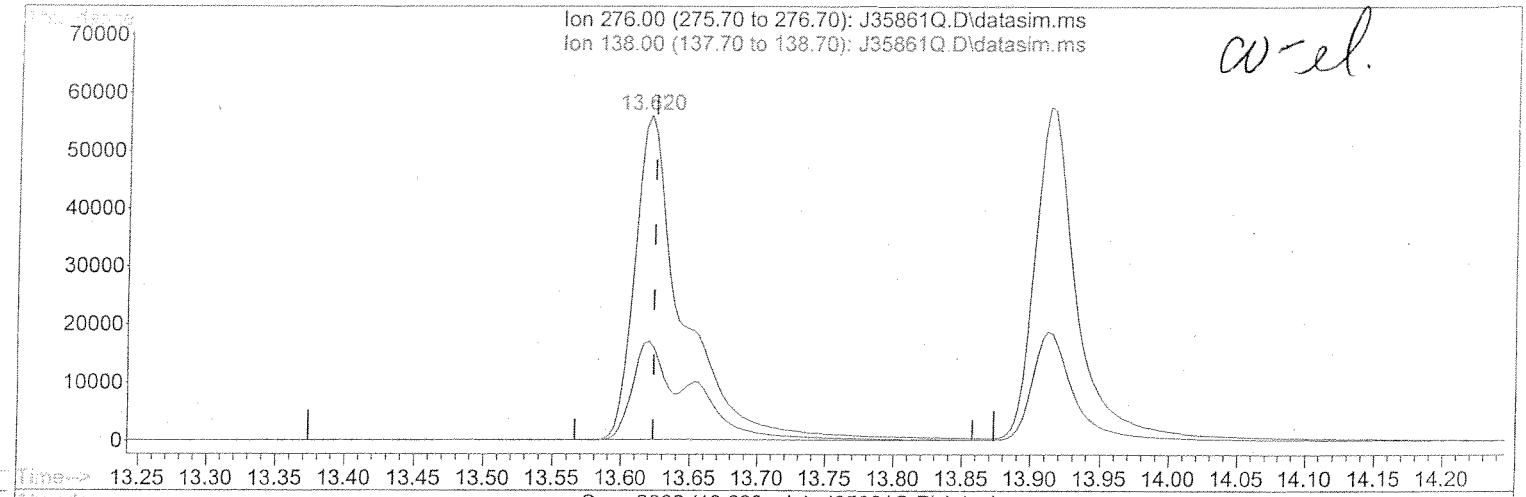
SIM091710.M Sat Sep 18 20:40:33 2010 Page: 2

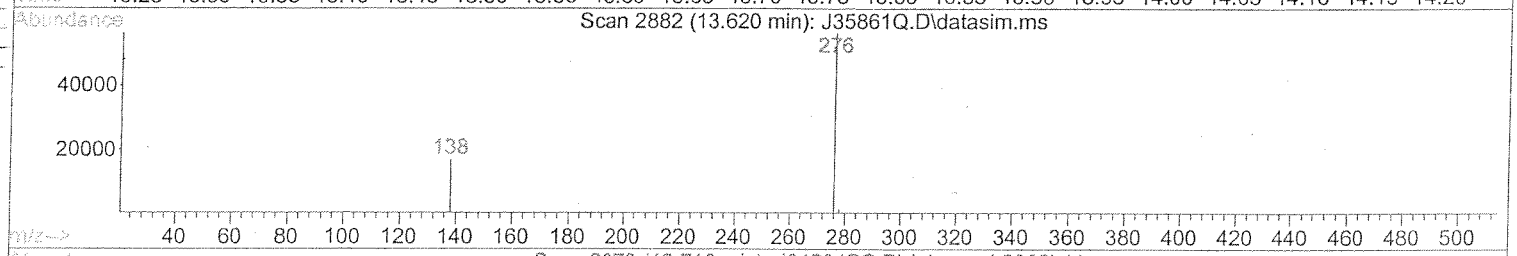
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35861Q.D
Acq On : 18 Sep 2010 6:17 am
Operator : AR/MG
Sample : LD091610SIMASE
Misc : SOIL
ALS Vial : 17 Sample Multiplier: 1

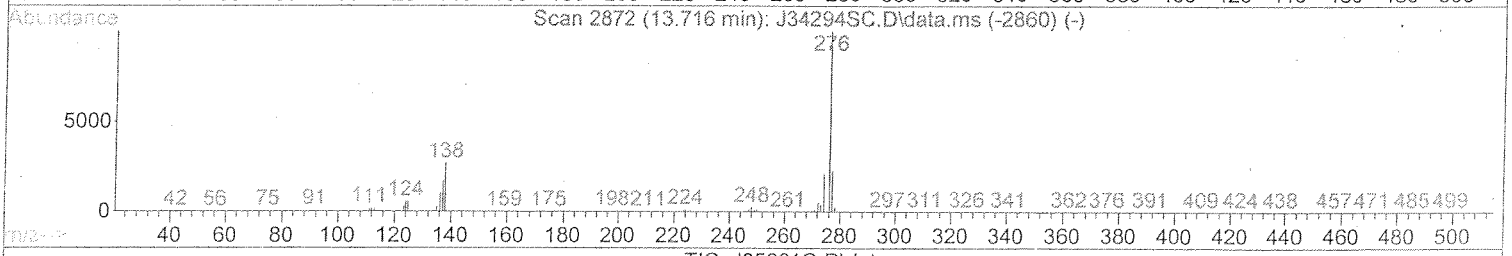
Quant Time: Sep 18 20:16:36 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10

co-el.







TIC: J35861Q.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.620min (-0.004) 4.93ug/ml

response 139008

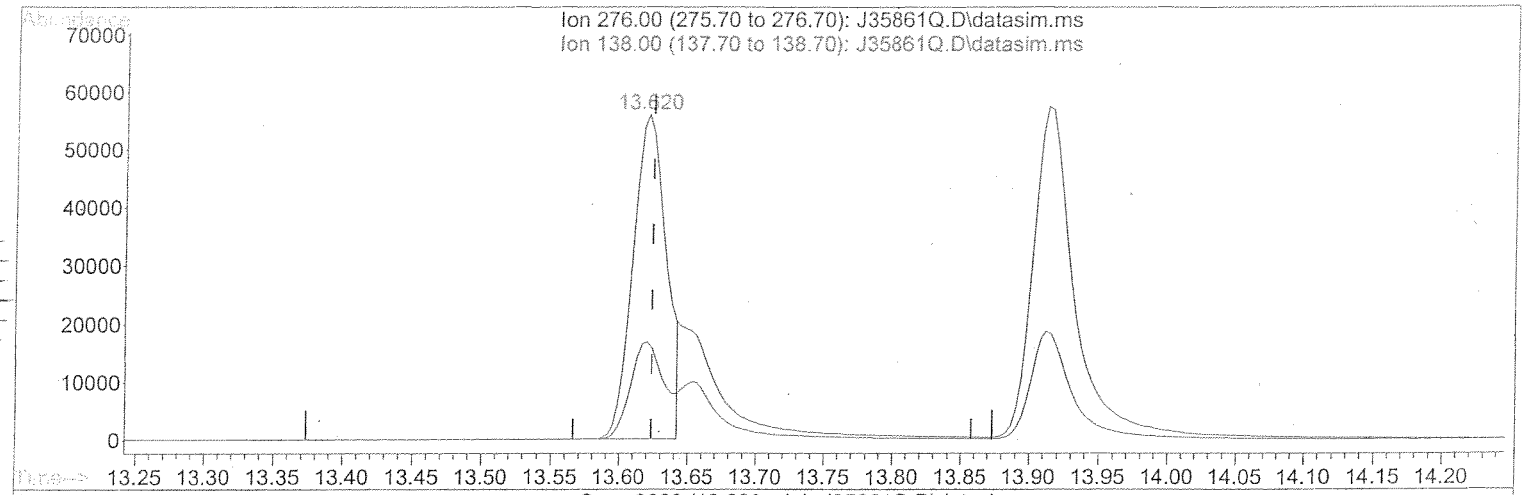
Ion	Exp%	Act%
276.00	100	100
138.00	30.20	21.42#
0.00	0.00	0.00
0.00	0.00	0.00

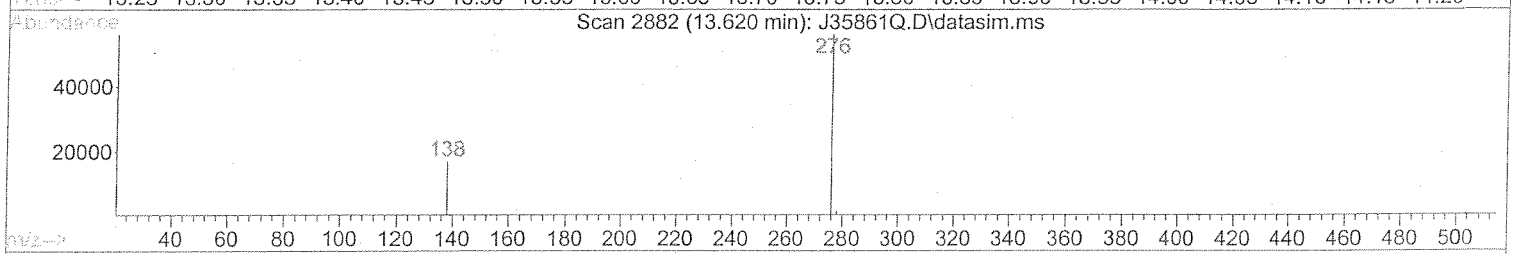
J12200

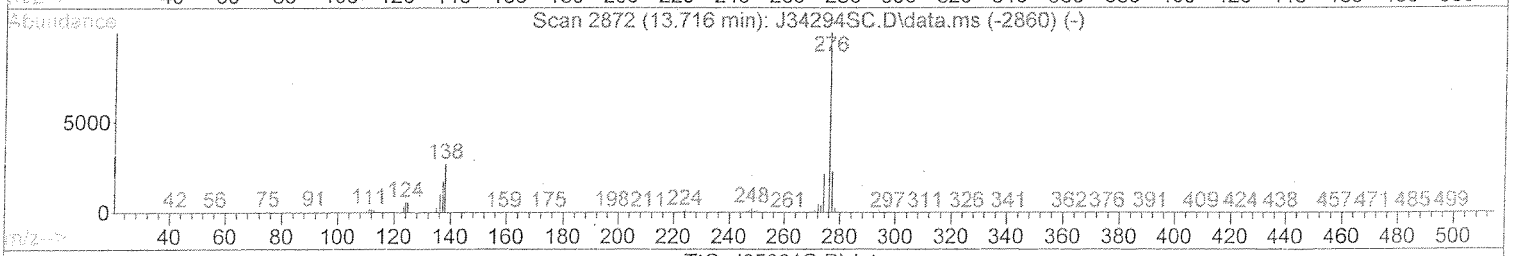
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35861Q.D
Acq On : 18 Sep 2010 6:17 am
Operator : AR/MG
Sample : LD091610SIMASE
Misc : SOIL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 18 20:16:36 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35861Q.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.620min (-0.004) 3.36ug/ml m

response 94686

Ion	Exp%	Act%
-276.00	100	100
138.00	30.20	31.44
0.00	0.00	0.00
0.00	0.00	0.00

D72010

SEMIVOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

9/18/10

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67799-1
Spike: 67799-1,MS
Spike duplicate: 67799-1,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	342	343	40	105	25	0	261	76		256	75		2	
2-Methylnaphthalene	342	343	45	105	25	0	260	76		264	77		2	
2-Chloronaphthalene	342	343	30	130	25	0	276	81		291	85		5	
Acenaphthylene	342	343	45	105	25	0	292	85		308	90		5	
Acenaphthene	342	343	45	110	25	0	269	79		290	85		7	
Fluorene	342	343	50	110	25	0	279	81		300	87		7	
Phenanthrene	342	343	50	110	25	6	268	77		292	84		9	
Anthracene	342	343	55	105	25	0	276	81		304	89		10	
Fluoranthene	342	343	50	115	25	10	303	86		332	94		9	
Pyrene	342	343	45	125	25	9	302	86		331	94		9	
Benzo[a]anthracene	342	343	50	110	25	5	292	84		334	96		14	
Chrysene	342	343	55	110	25	5	261	75		303	87		15	
Benzo[b] fluoranthene	342	343	45	115	25	6	310	89		367	105		17	
Benzo[k] fluoranthene	342	343	45	125	25	0	293	86		313	91		7	
Benzo[a] pyrene	342	343	50	110	25	4	304	88		336	97		10	
Indeno [1,2,3-cd] pyrene	342	343	40	120	25	4	326	94		345	99		6	
Dibenz [a,h] anthracene	342	343	40	125	25	0	303	89		334	97		10	
Benzo(g,h,i) perylene	342	343	40	125	25	4	290	83		319	92		9	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

9-2010

SVOA SIM FORM 3

SEMIVOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67799-1	SOIL	1.0	15.46	0.01546	0.9184	1.0000	70.4302
67799-1,MS	SOIL	1.0	15.88	0.01588	0.9184	1.0000	68.5674
67799-1,MSD	SOIL	1.0	15.87	0.01587	0.9184	1.0000	68.6106

9/18/10

592210

SVOA SIM FORM 3

SEMIVOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67799-1
Spike: 67799-1,MS
Spike duplicate: 67799-1,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	342	343	40	105	25	0	261	76		256	75		2	
2-Methylnaphthalene	342	343	45	105	25	0	260	76		264	77		2	
2-Chloronaphthalene	342	343	30	130	25	0	276	81		291	85		5	
Acenaphthylene	342	343	45	105	25	0	292	85		308	90		5	
Acenaphthene	342	343	45	110	25	0	269	79		290	85		7	
Fluorene	342	343	50	110	25	0	279	81		300	87		7	
Phenanthrene	342	343	50	110	25	6	268	77		292	84		9	
Anthracene	342	343	55	105	25	0	276	81		304	89		10	
Fluoranthene	342	343	50	115	25	10	303	86		332	94		9	
Pyrene	342	343	45	125	25	9	302	86		331	94		9	
Benzo[a]anthracene	342	343	50	110	25	5	292	84		334	96		14	
Chrysene	342	343	55	110	25	5	261	75		303	87		15	
Benzo[b] fluoranthene	342	343	45	115	25	6	310	89		367	105		17	
Benzo[k] fluoranthene	342	343	45	125	25	0	293	86		313	91		7	
Benzo[a] pyrene	342	343	50	110	25	4	304	88		336	97		10	
Indeno [1,2,3-cd] pyrene	342	343	40	120	25	4	326	94		345	99		6	
Dibenz [a,h] anthracene	342	343	40	125	25	0	303	89		334	97		10	
Benzo(g,h,i) perylene	342	343	40	125	25	4	290	83		319	92		9	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

SVOA SIM FORM 3

SEMIVOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67799-1	SOIL	1.0	15.46	0.01546	0.9184	1.0000	70.4302
67799-1,MS	SOIL	1.0	15.88	0.01588	0.9184	1.0000	68.5674
67799-1,MSD	SOIL	1.0	15.87	0.01587	0.9184	1.0000	68.6106

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35870SP.D
Acq On : 18 Sep 2010 9:26 am
Operator : AR/MG
Sample : 67799-1,MS
Misc : SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 21:08:41 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MC 9/18/10

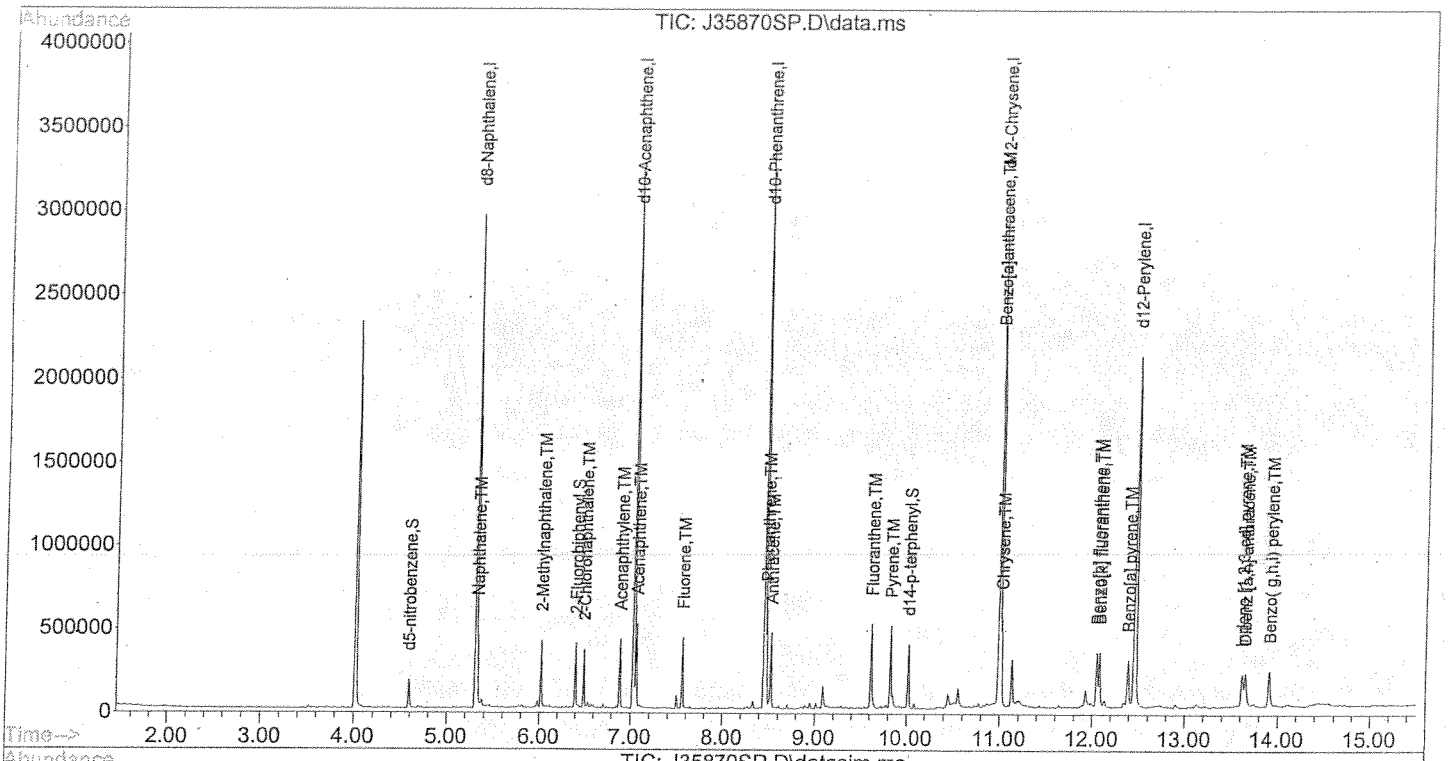
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d8-Naphthalene	5.308	136	1219603	40.00 ug/ml	0.00
5) d10-Acenaphthene	7.030	164	669702	40.00 ug/ml	0.00
11) d10-Phenanthrene	8.459	188	1147017	40.00 ug/ml	0.00
16) d12-Chrysene	11.002	240	983523	40.00 ug/ml	0.00
21) d12-Perylene	12.467	264	863911	40.00 ug/ml	0.00
System Monitoring Compounds					
2) d5-nitrobenzene	4.592	82	52960	3.76 ug/ml	0.00
Spiked Amount 5.000	Range 35 - 100		Recovery	= 75.20%	
6) 2-Fluorobiphenyl	6.397	172	131080	4.13 ug/ml	0.00
Spiked Amount 5.000	Range 45 - 105		Recovery	= 82.60%	
18) d14-p-terphenyl	10.018	244	104732	4.49 ug/ml	0.00
Spiked Amount 5.000	Range 30 - 125		Recovery	= 89.80%	
Target Compounds					Qvalue
3) Naphthalene	5.327	128	162531	3.81 ug/ml	100
4) 2-Methylnaphthalene	6.021	141	100507	3.79 ug/ml	97
7) 2-Chloronaphthalene	6.491	162	121313	4.02 ug/ml	95
8) Acenaphthylene	6.885	152	196853	4.25 ug/ml	96
9) Acenaphthene	7.060	154	104118	3.93 ug/ml	99
10) Fluorene	7.559	166	138727	4.06 ug/ml	97
12) Phenanthrene	8.477	178	191549	3.90 ug/ml	100
13) Anthracene	8.522	178	204022	4.03 ug/ml	100
15) Fluoranthene	9.614	202	238000	4.42 ug/ml	100
17) Pyrene	9.823	202	239545	4.41 ug/ml	99
19) Benzo[a]anthracene	10.983	226	45533	4.26 ug/ml	97
20) Chrysene	11.021	228	168597	3.81 ug/ml	100
22) Benzo[b] fluoranthene	12.048	252	168548	4.52 ug/ml	97
23) Benzo[k] fluoranthene	12.077	252	184321	4.27 ug/ml	98
24) Benzo[a] pyrene	12.387	252	170743	4.43 ug/ml	99
25) Indeno [1,2,3-cd] pyrene	13.620	276	130942m	4.76 ug/ml	
26) Dibenz [a,h] anthracene	13.656	278	137717	4.43 ug/ml	99
27) Benzo(g,h,i) perylene	13.915	276	154486	4.22 ug/ml	100

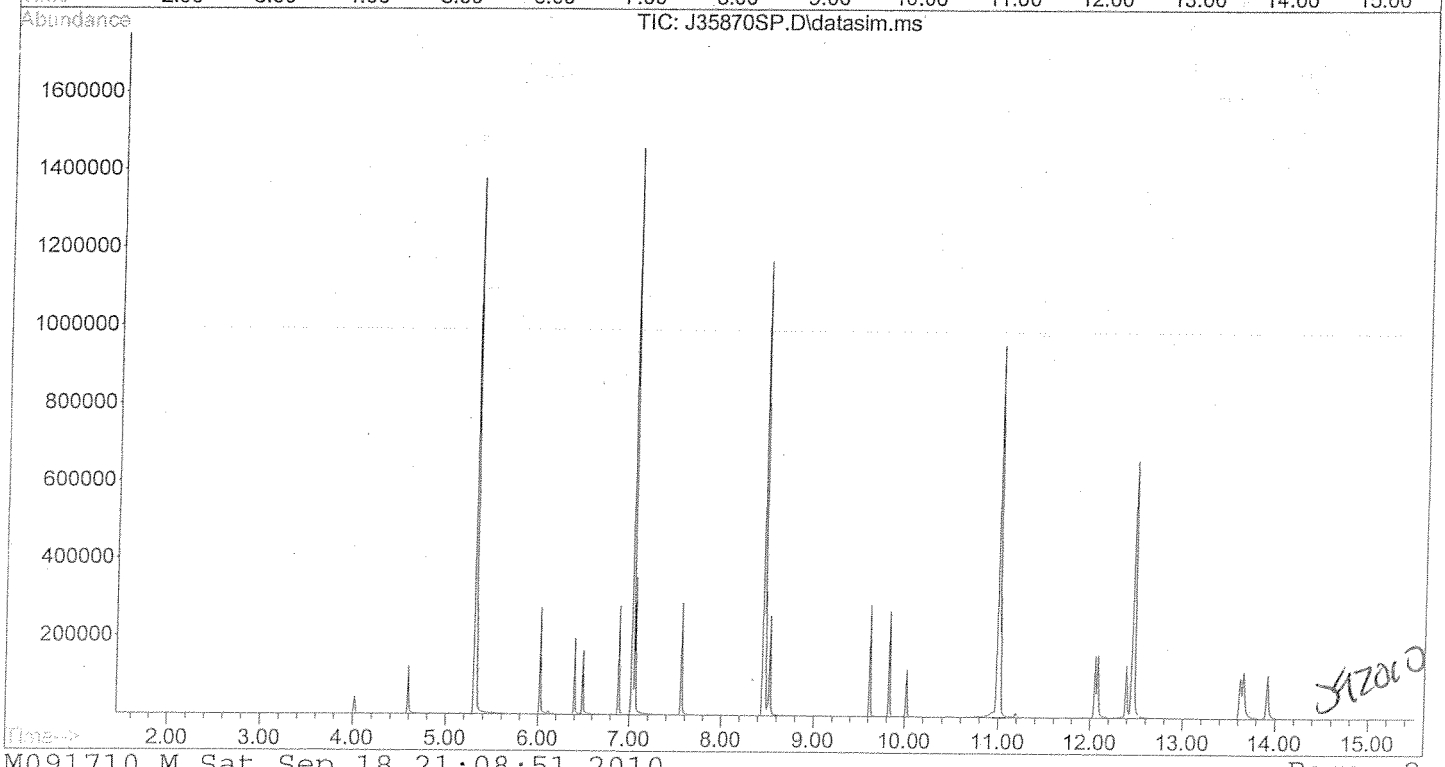
(#) = qualifier out of range (m) = manual integration (+) = signals summed

9-2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35870SP.D
Acq On : 18 Sep 2010 9:26 am
Operator : AR/MG
Sample : 67799-1,MS
Misc : SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 21:08:41 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration



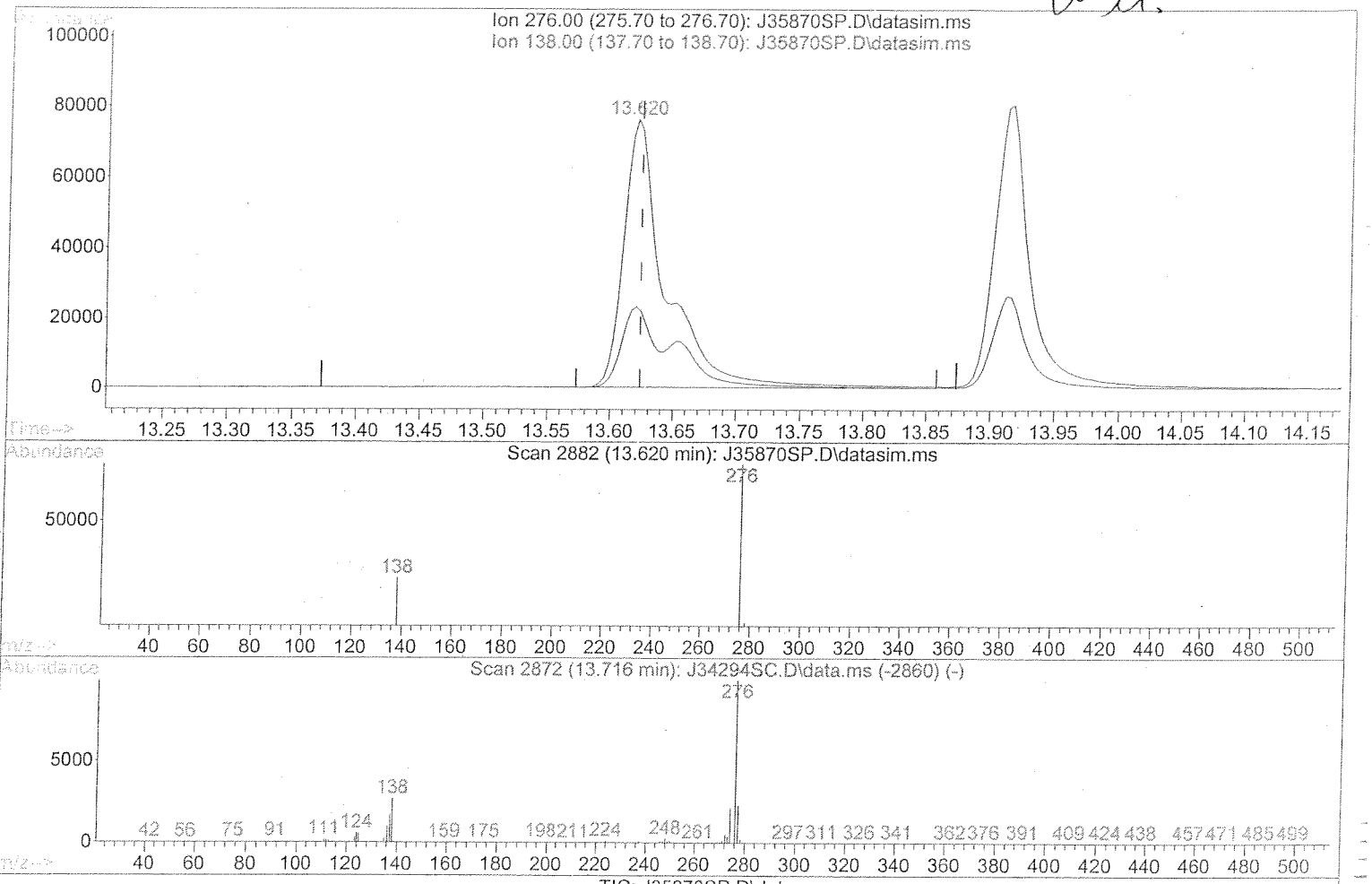


SIM091710.M Sat Sep 18 21:08:51 2010 Page: 2

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35870SP.D
Acq On : 18 Sep 2010 9:26 am
Operator : AR/MG
Sample : 67799-1,MS
Misc : SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 18 20:16:45 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

AR 9/18/10



(25) Indeno [1,2,3-cd] pyrene (TM)

13.620min (-0.004) 6.52ug/ml

response 179543

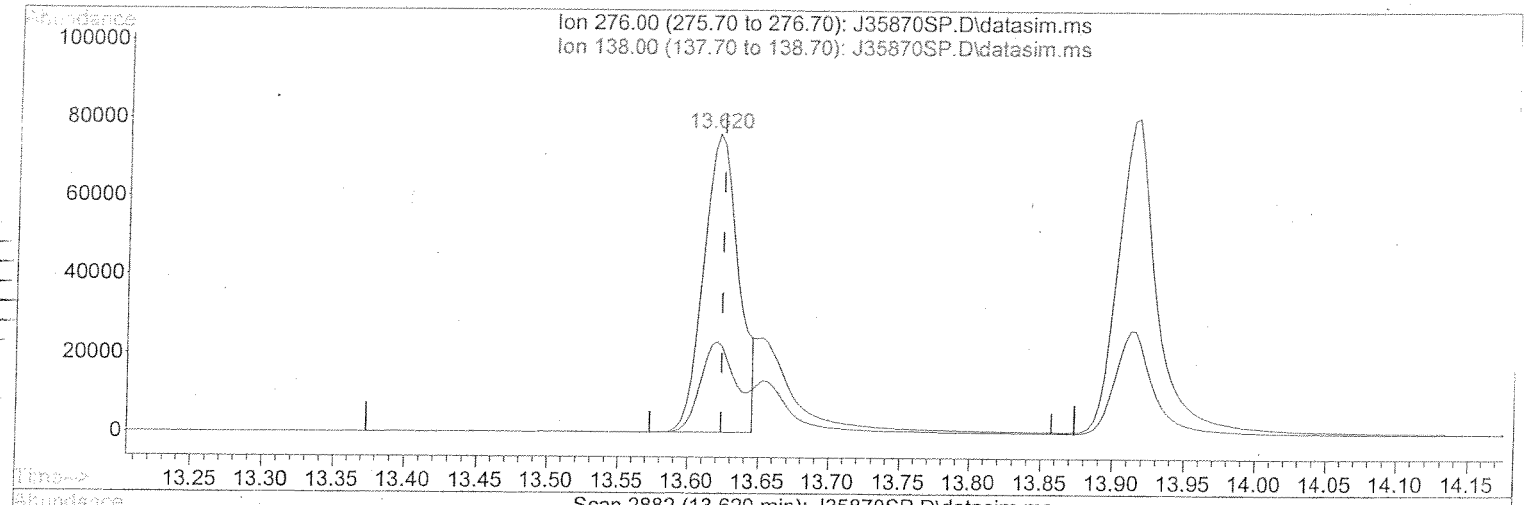
Ion	Exp%	Act%
276.00	100	100
138.00	30.20	22.13#
0.00	0.00	0.00
0.00	0.00	0.00

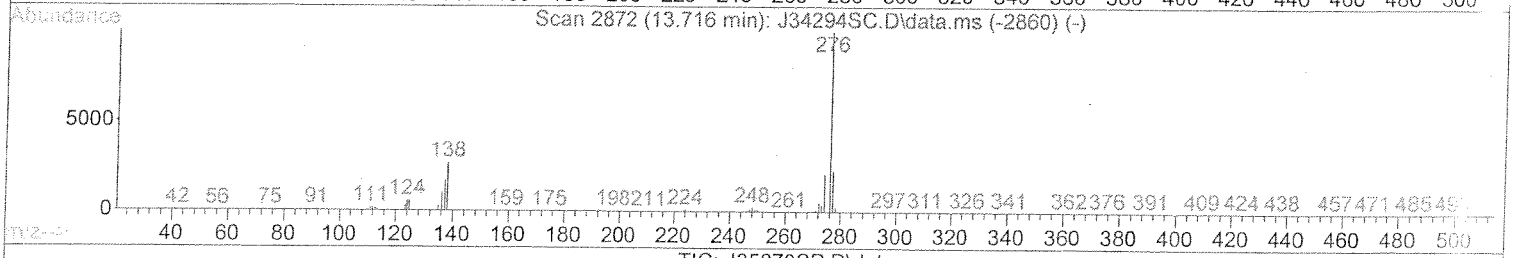
5/20/10

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35870SP.D
Acq On : 18 Sep 2010 9:26 am
Operator : AR/MG
Sample : 67799-1,MS
Misc : SOIL
ALS Vial : 26 Sample Multiplier: 1

9/18/10

Quant Time: Sep 18 20:16:45 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration





TIC: J35870SP.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.620min (-0.004) 4.76ug/ml m

response 130942

Ion	Exp%	Act%
-276.00	100	100
138.00	30.20	30.34
0.00	0.00	0.00
0.00	0.00	0.00

SIM091710.M Sat Sep 18 21:08:45 2010

Page: 1

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35871SP.D
Acq On : 18 Sep 2010 9:47 am
Operator : AR/MG
Sample : 67799-1,MSD
Misc : SOIL
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 21:09:08 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MN 9/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d8-Naphthalene	5.308	136	1211928	40.00 ug/ml	0.0
5) d10-Acenaphthene	7.031	164	654855	40.00 ug/ml	0.0
11) d10-Phenanthrene	8.459	188	1132974	40.00 ug/ml	0.0
16) d12-Chrysene	11.002	240	974059	40.00 ug/ml	0.0
21) d12-Perylene	12.467	264	878570	40.00 ug/ml	0.0
System Monitoring Compounds					
2) d5-nitrobenzene	4.592	82	53895	3.85 ug/ml	0.00
Spiked Amount 5.000	Range 35 - 100		Recovery	= 77.00%	
6) 2-Fluorobiphenyl	6.397	172	136101	4.42 ug/ml	0.00
Spiked Amount 5.000	Range 45 - 105		Recovery	= 88.40%	
18) d14-p-terphenyl	10.018	244	116081	5.08 ug/ml	0.00
Spiked Amount 5.000	Range 30 - 125		Recovery	= 101.60%	
Target Compounds					Qvalue
3) Naphthalene	5.327	128	157985	3.73 ug/ml	100
4) 2-Methylnaphthalene	6.021	141	101382	3.85 ug/ml	97
7) 2-Chloronaphthalene	6.491	162	125236	4.25 ug/ml	94
8) Acenaphthylene	6.885	152	203037	4.49 ug/ml	96
9) Acenaphthene	7.055	154	109606	4.23 ug/ml	99
10) Fluorene	7.559	166	146024	4.37 ug/ml	98
12) Phenanthrene	8.477	178	206616	4.26 ug/ml	99
13) Anthracene	8.522	178	221502	4.43 ug/ml	100
15) Fluoranthene	9.614	202	257968	4.85 ug/ml	99
17) Pyrene	9.823	202	259172	4.82 ug/ml	100
19) Benzo[a]anthracene	10.987	226	51301	4.87 ug/ml	97
20) Chrysene	11.021	228	193254	4.41 ug/ml	100
22) Benzo[b] fluoranthene	12.049	252	201337	5.34 ug/ml	99
23) Benzo[k] fluoranthene	12.081	252	200294	4.57 ug/ml	99
24) Benzo[a] pyrene	12.387	252	192047	4.90 ug/ml	99
25) Indeno [1,2,3-cd] pyrene	13.620	276	140685m	5.03 ug/ml	
26) Dibenz [a,h] anthracene	13.656	278	154045	4.87 ug/ml	100
27) Benzo(g,h,i) perylene	13.916	276	172653	4.64 ug/ml	100

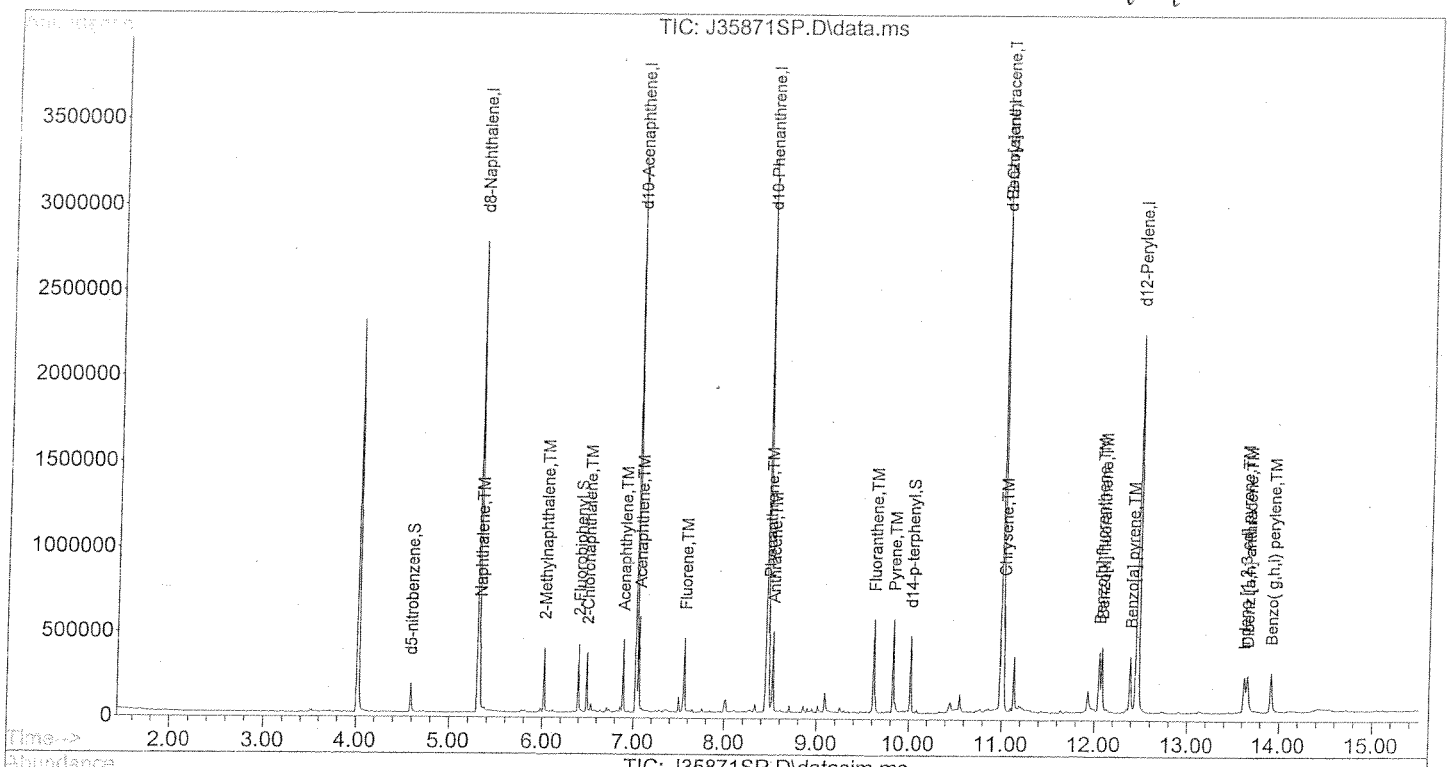
(#) = qualifier out of range (m) = manual integration (+) = signals summed

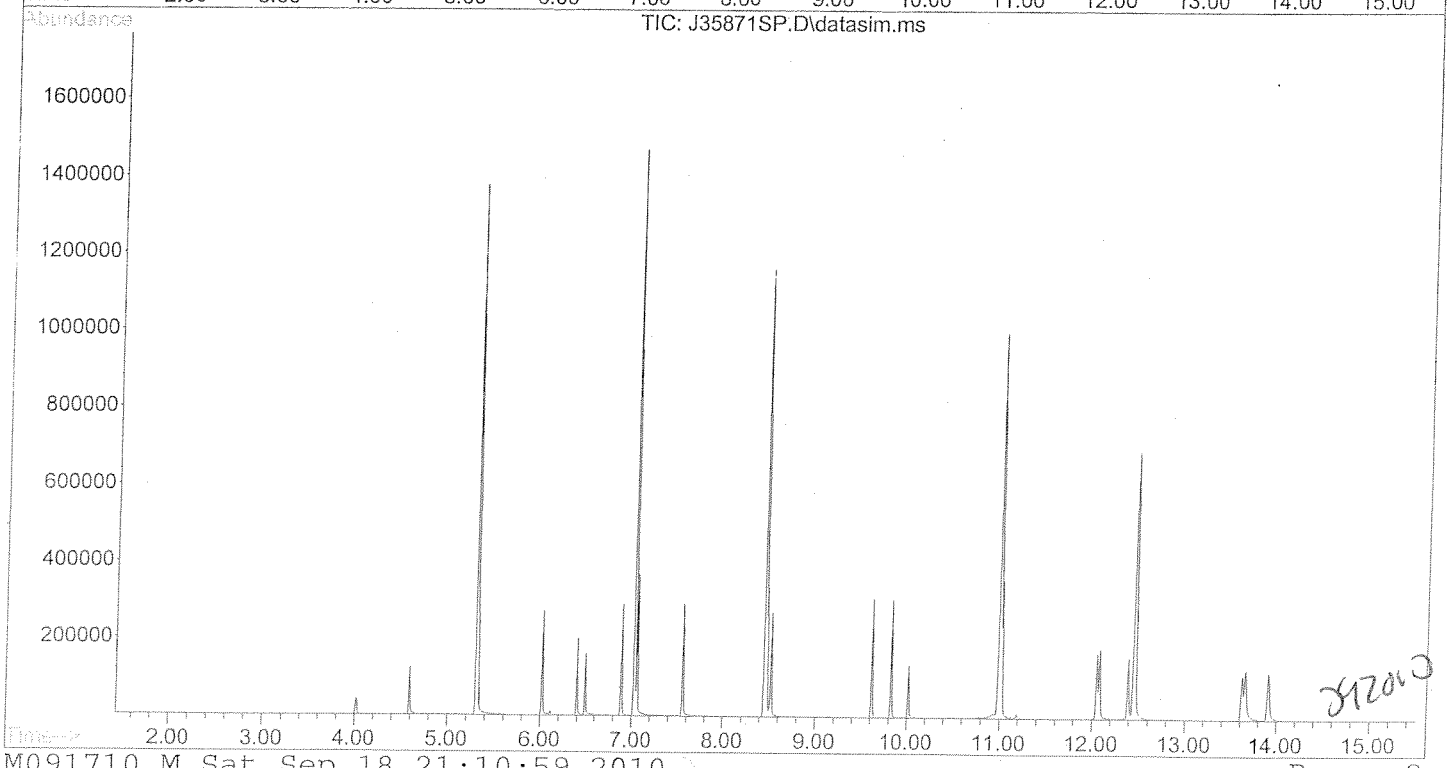
JY 2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35871SP.D
Acq On : 18 Sep 2010 9:47 am
Operator : AR/MG
Sample : 67799-1,MSD
Misc : SOIL
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 21:09:08 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10



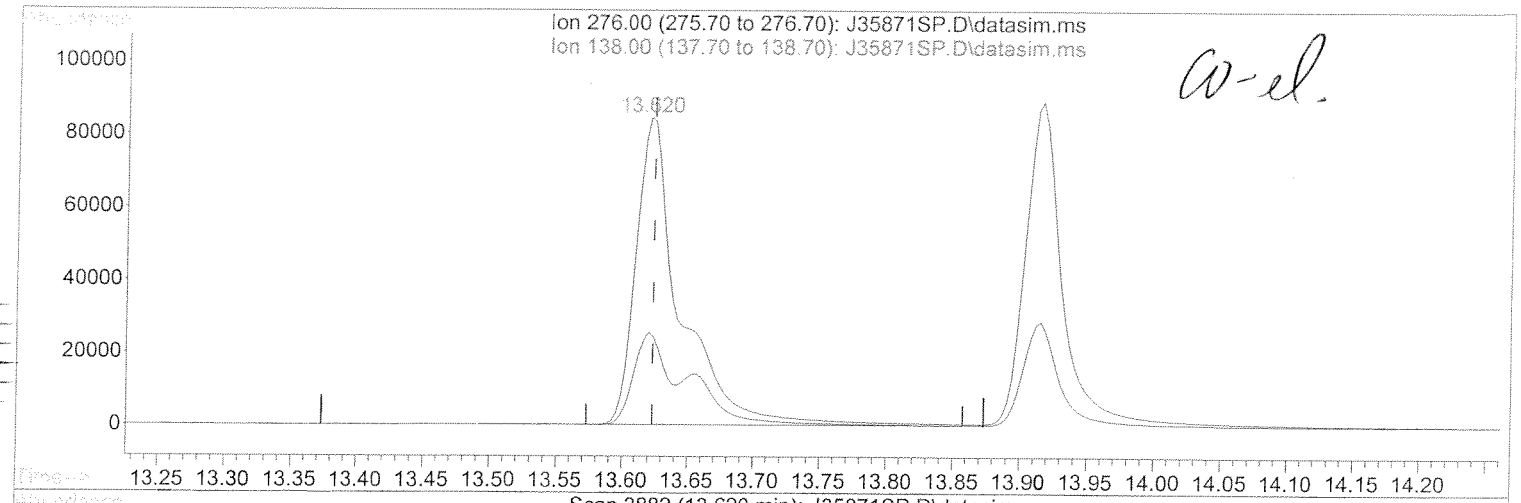


SIM091710.M Sat Sep 18 21:10:59 2010 Page: 2

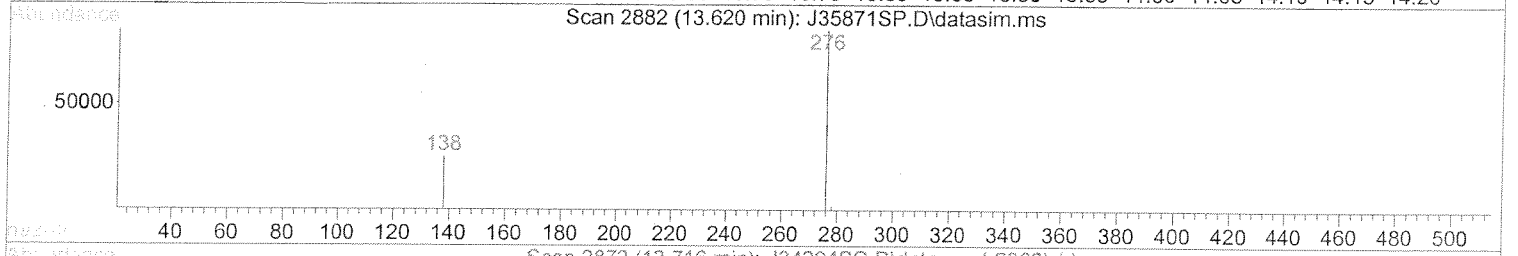
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35871SP.D
Acq On : 18 Sep 2010 9:47 am
Operator : AR/MG
Sample : 67799-1,MSD
Misc : SOIL
ALS Vial : 27 Sample Multiplier: 1

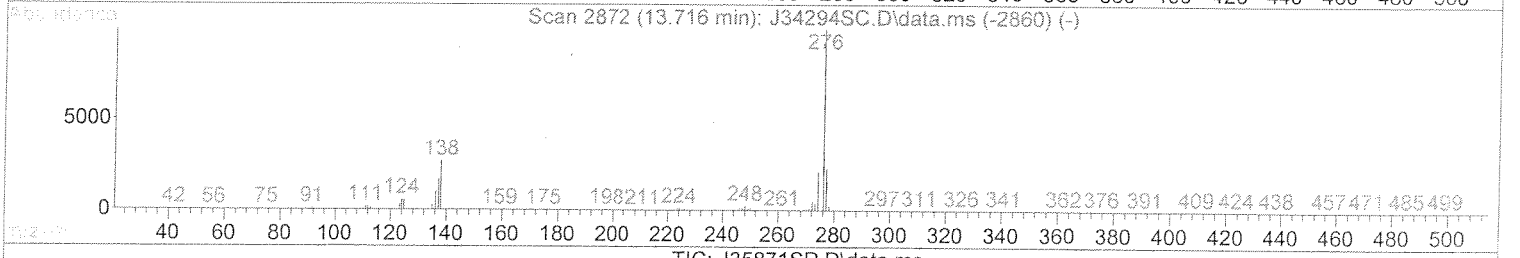
Quant Time: Sep 18 20:16:46 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

MV 9/18/10



a-el.





TIC: J35871SP.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.620min (-0.004) 7.18ug/ml

response 201037

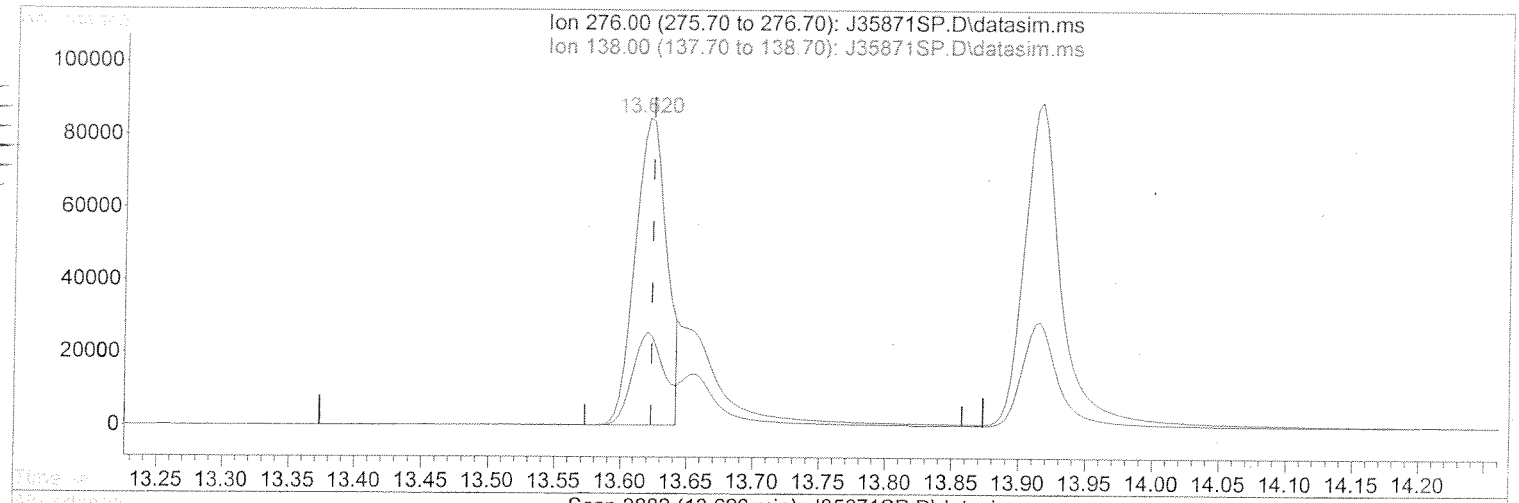
Ion	Exp%	Act%
276.00	100	100
138.00	30.20	21.53#
0.00	0.00	0.00
0.00	0.00	0.00

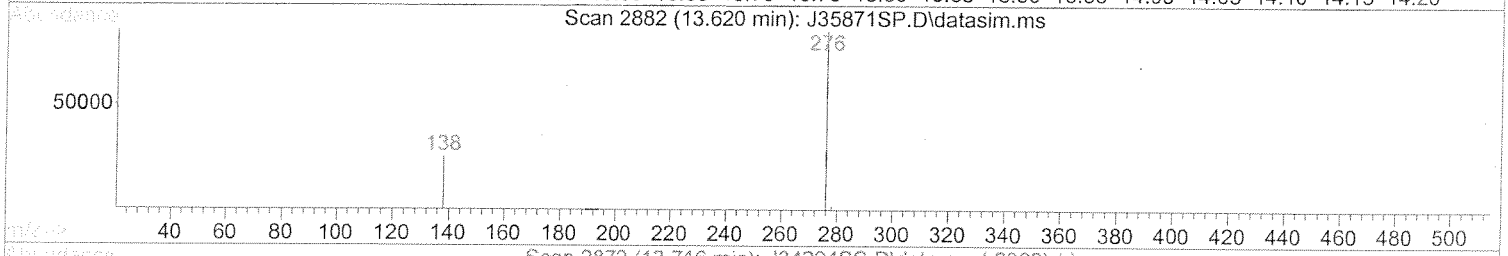
592010

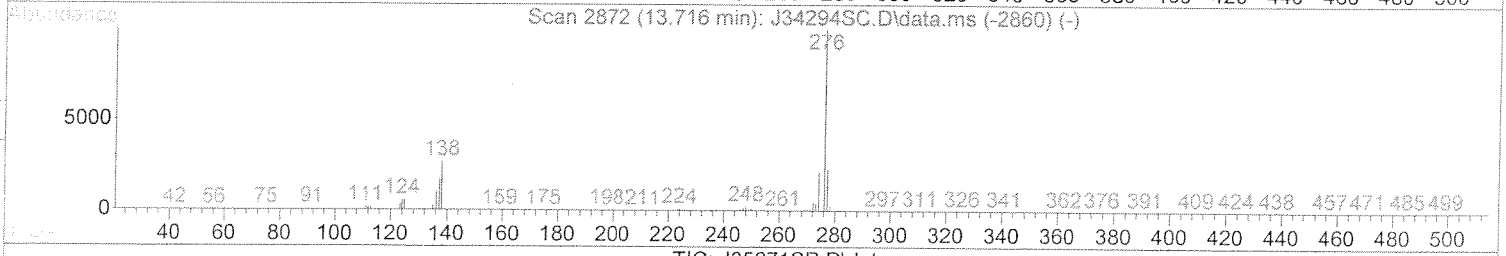
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35871SP.D
Acq On : 18 Sep 2010 9:47 am
Operator : AR/MG
Sample : 67799-1,MSD
Misc : SOIL
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 18 20:16:46 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 20:16:03 2010
Response via : Initial Calibration

9/18/10







TIC: J35871SP.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.620min (-0.004) 5.03ug/ml m

response 140685

Ion	Exp%	Act%
-276.00	100	100
138.00	30.20	30.77
0.00	0.00	0.00
0.00	0.00	0.00

09/20/10

Instrument J

analytics environmental laboratory LLC

091710-J

ABN IS only#: S10106 EXP: 3/16/11

Tune File: ABN.u Date: 9/17/10 Loading Check: AUR

Voltage: 1953 Analyst: AUR Unloading Check: AUR

W-J-091710-1-AUR

Vial	Meth File	Sample	DF	Data File #	Comments
99		S9599 Col. Cmd.		J35839-40	
1	tunemix	S9836 tunemix 50ng		41T	✓
2		S10096 2/4 ~~ISTD~~		42	OK
2	SIM091710	S10119 0.05/0.1		43ST	✓
3		S10118 0.1/0.2		44	✓
4		S10117 0.2/0.4		45	✓
5		S10116 1/2		46	✓
6	ABN091710	S10115 2/4		47	✓
7		S10114 4/8		48	✓
8		S10113 10/20		49	✓
9		S10112 20/40		50	✓
10		S10111 40/80		51	✓
11		S10110 80/100		52	✓
12		S10109 100/200		53	✓
13		S10120 20/40 ICV		54	✓
14		S10121 2/4 ICV		55	✓
1	tunemix	S9836 tunemix 50ng		56 ~~IT~~	✓
6	SIM091710	S10115 2/4		57SC	✓
9	ABN091710	S10112 20/40		58SC	✓
100		Meth lot #J20S01		59	✓
15		B091610SIMASE		59B ~~60B~~	✓
16		L091610SIMASE		60Q 61Q	✓ } Rec. ok but ARDs
17		LD091610SIMASE		61Q 62Q	✓
18		M091610SIMASE-1		62 ~~63~~	✓
19			-2	63	✓
20			-3	64	↑ 2-Methylnaphthalene
21			-4	65	✓
22			-5	66	✓
23			-6	67	✓
24			-7	68	✓
25		67799-1		69	✓
26		-1,MS		70SP	✓
27		-1,MSD		71SP	✓
28		-2		72	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Cont. pg. 5

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 3 11/25/09

[4]

Instrument J

analytics environmental laboratory LLC

Cont.
091710-J

IS only#: ABN S10106 EXP: 3/16/11

Tune File: ABN.u Date: 9/17/10 Loading Check: ALR

Voltage: 1953 Analyst: ALR Unloading Check: ALR

Vial	Meth File	Sample	DF	Data File #	Comments
29	ABN091710	67799-3		J35873	✓
30		-4		74	✓
31		B091310AW		75B	✓
32		L091310AW		76Q	✓
32		L091310AW, RR		77Q	✓ Confirms
33		67727-1 BN		78	↓Surr.
34		67728-1 BN		79	↓Surr.
35		67729-1		80	✓
36		67745-1 BN		81	↓Surr. RR
37		-1 AC		82	✓ ~~↓Surr. RR~~ AW 9/23/10

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 3 11/25/09

[51]

SEMIVOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67799
DFTPP File ID: J35841T.D
DFTPP Injection Date: 09/17/10
DFTPP Injection Time: 22:49

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10119 0.05/0.1	J35843SI.D	9/17/10 23:37
S10118 0.1/0.2	J35844SI.D	9/17/10 23:58
S10117 0.2/0.4	J35845SI.D	9/18/10 0:19
S10116 1/2	J35846SI.D	9/18/10 0:40
S10115 2/4	J35847SI.D	9/18/10 1:01
S10114 4/8	J35848SI.D	9/18/10 1:22
S10113 10/20	J35849SI.D	9/18/10 1:43
S10112 20/40	J35850SI.D	9/18/10 2:04
S10115 2/4	J35857SC.D	9/18/10 4:32

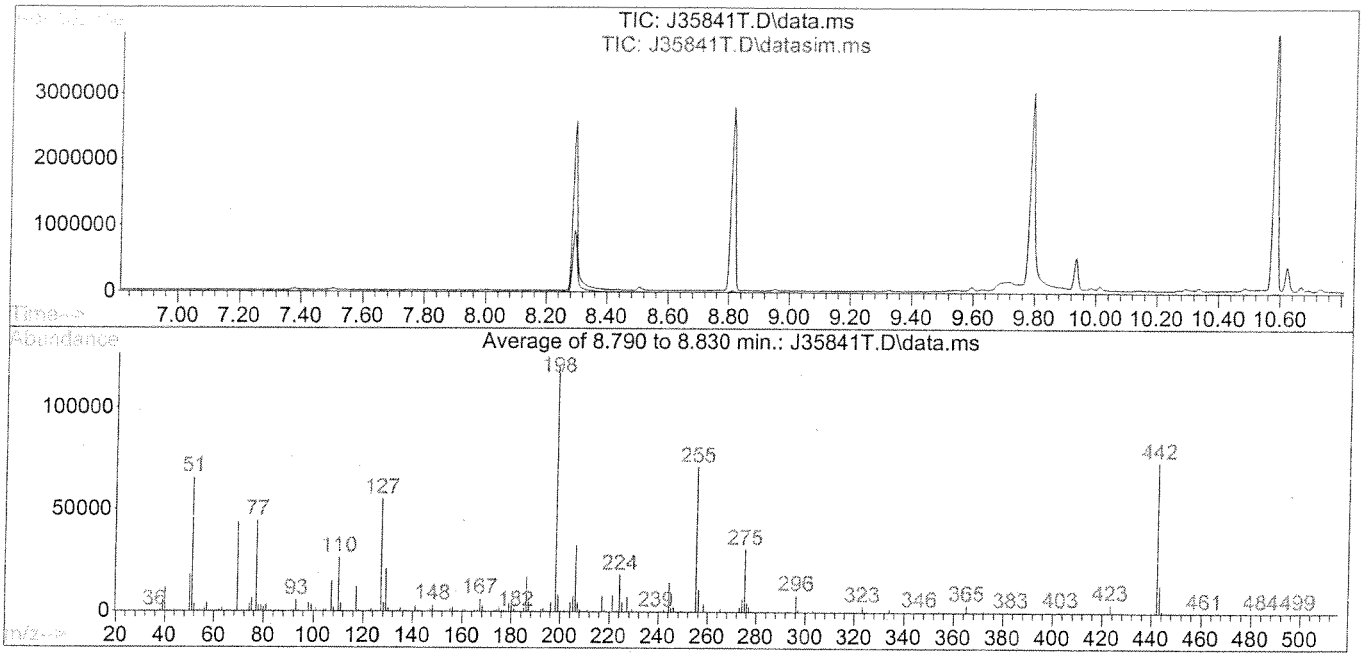
Refer to the DFTPP report J35841T.D for ion ratio evaluation.

SVOA FORM 5

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIX.M
Title : ABN FULL SCAN
Last Update : Wed Sep 15 23:56:57 2010



Spectrum Information: Average of 8.790 to 8.830 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.4	65631	PASS
68	69	0.00	2	0.0	10	PASS
69	198	0.00	100	35.9	43354	PASS
70	69	0.00	2	0.6	243	PASS
127	198	40	60	45.7	55151	PASS
197	198	0.00	1	0.0	3	PASS
198	198	100	100	100.0	120631	PASS
199	198	5	9	6.8	8242	PASS
275	198	10	30	25.4	30639	PASS
365	198	1	100	2.9	3446	PASS
441	443	0.01	100	6.9	917	PASS
442	198	40	100	61.1	73663	PASS
443	442	17	23	18.2	13379	PASS

PM 9/18/10

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35841T.D**
Date Acquired **9/17/2010 22:49**

Name	Target Response
Pentachlorophenol	375964.00
Benzidine	1465270.00
DDE	1676.00
DDD	24137
DDT	852693

(0% - 20%)

%DDT BREAKDOWN = 2.94% **OK** ✓

392010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	8.294	266	375964	25.71 ug/ml	99
2) DFTPP	8.812	198	326277	27.01 ug/ml	97
3) Benzidine	9.792	184	1465270	23.68 ug/ml	99
4) DDE	9.973	246	1676	1.14 ug/ml	99
5) DDD	10.293	235	24137	1.50 ug/ml#	71
6) DDT	10.586	235	852693	27.79 ug/ml	99

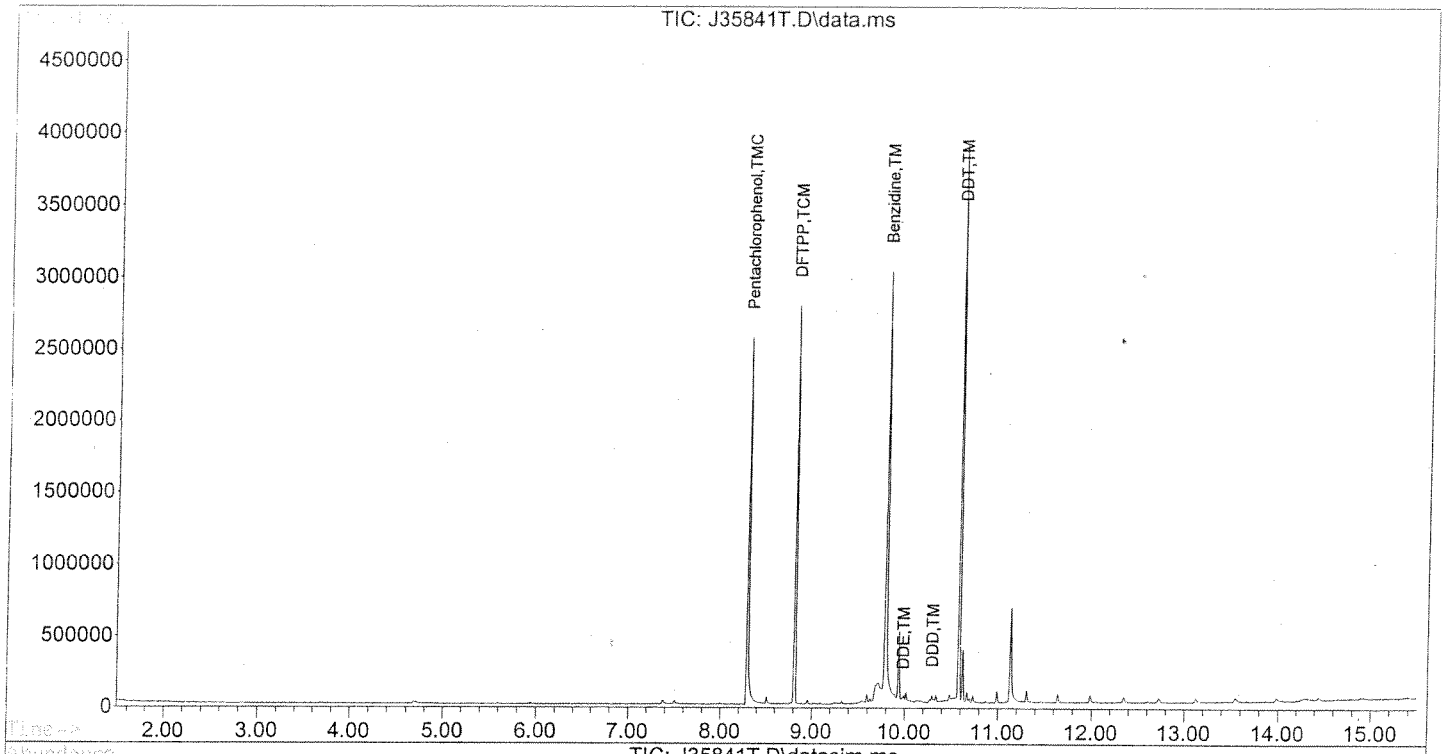
(#) = qualifier out of range (m) = manual integration (+) = signals summed

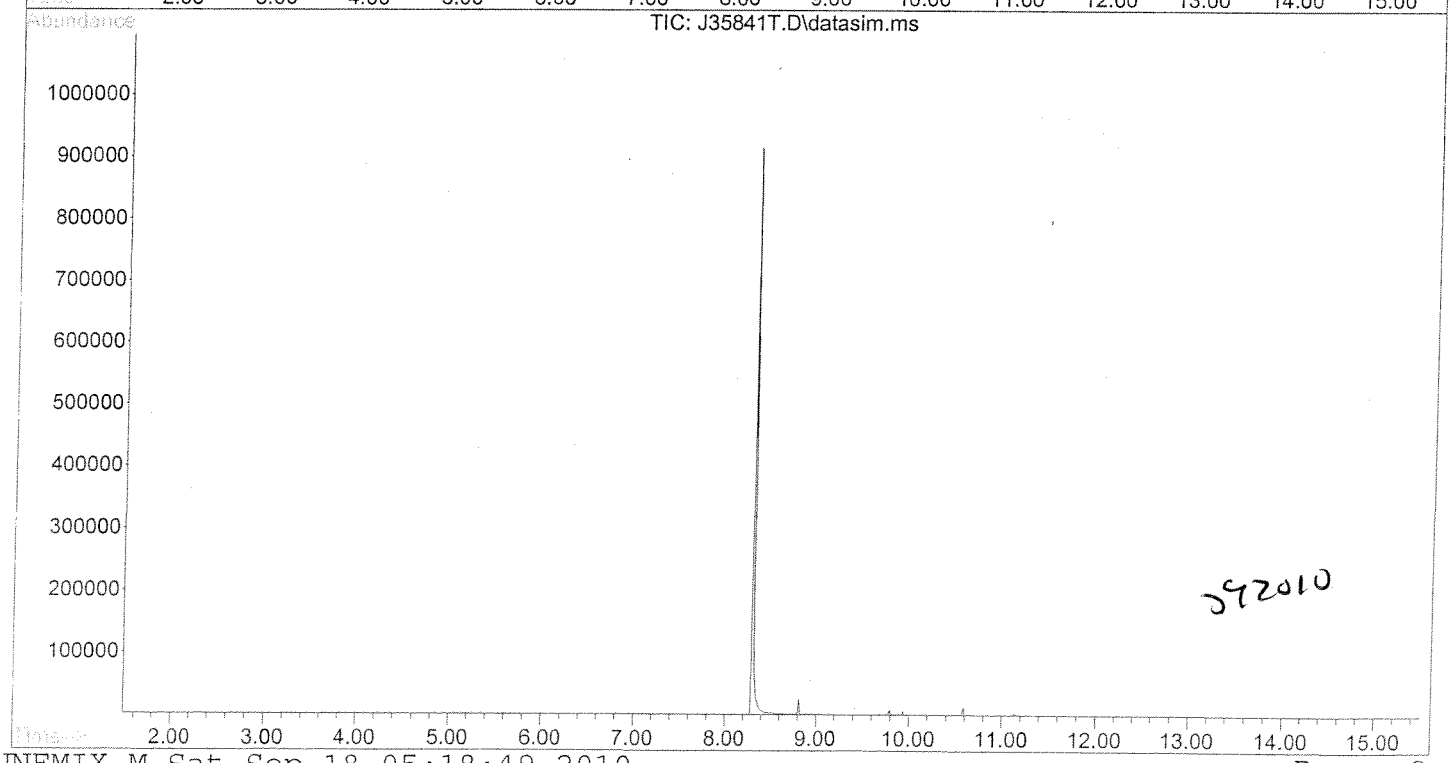
3/92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10



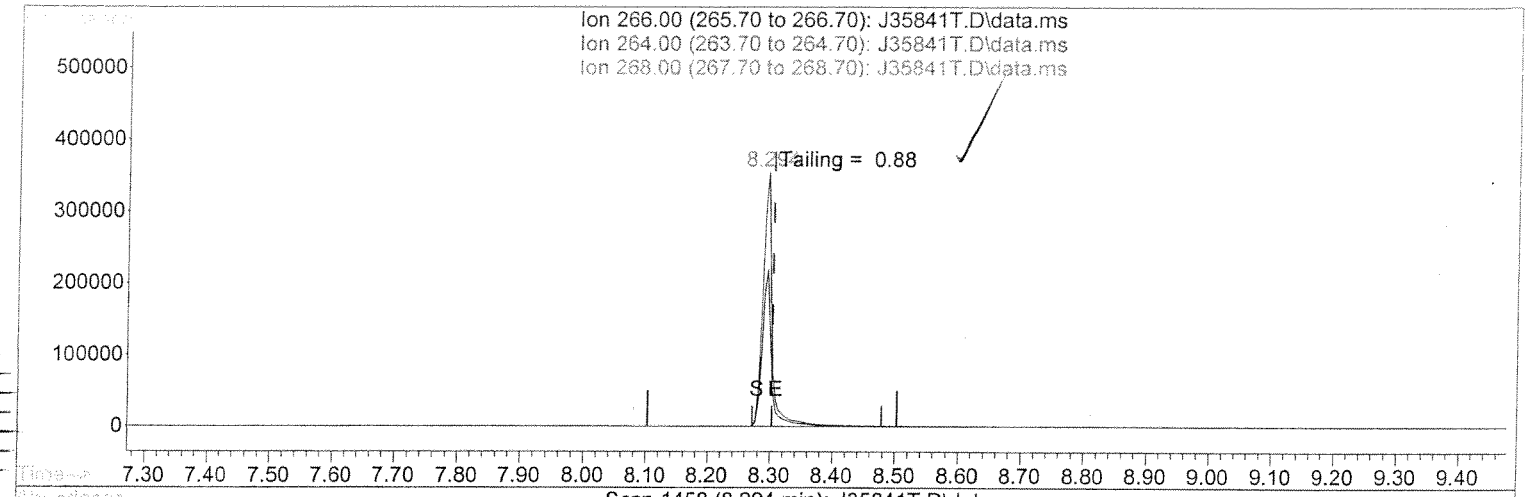


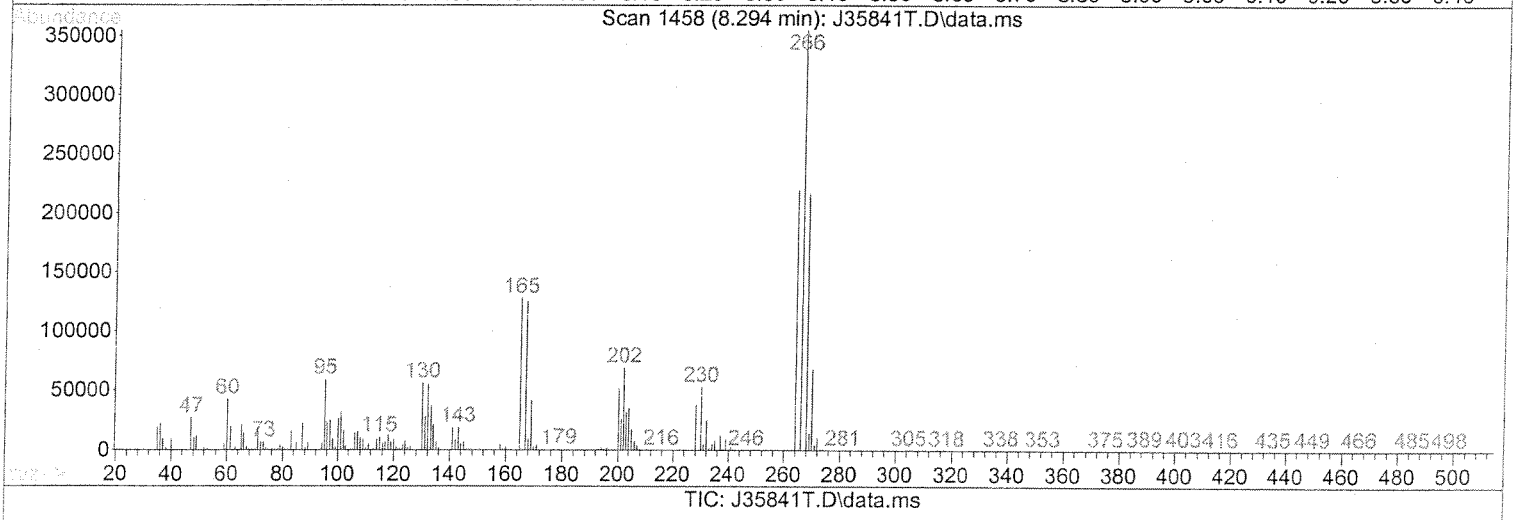
J92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10





(1) Pentachlorophenol (TMC)

8.294min (-0.009) 25.71ug/ml

response 375964

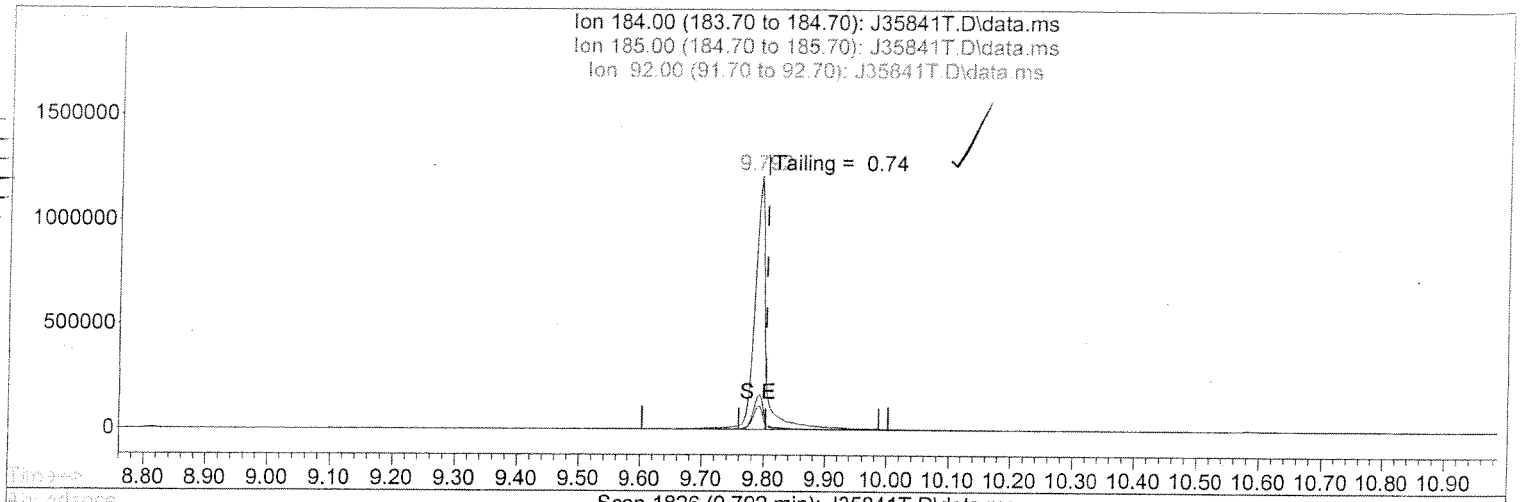
Ion	Exp%	Act%
266.00	100	100
264.00	62.10	62.66
268.00	59.70	61.00
0.00	0.00	0.00

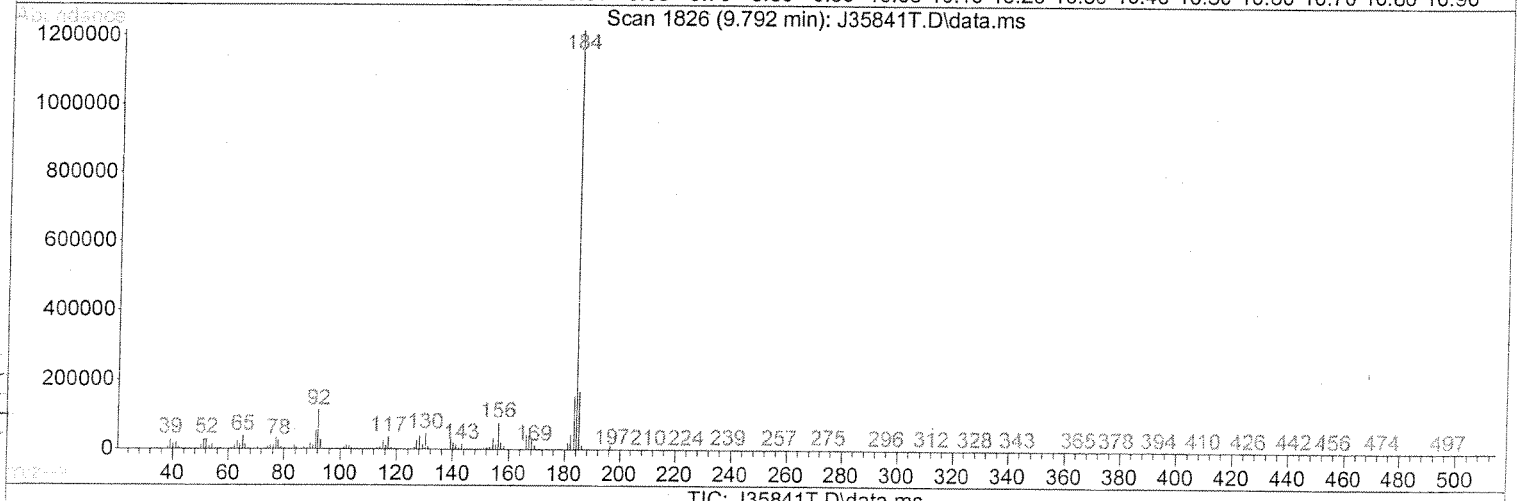
J92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10





(3) Benzidine (TM)

9.792min (-0.011) 23.68ug/ml

response 1465270

Ion	Exp%	Act%
184.00	100	100
185.00	12.90	13.24
92.00	9.10	9.25
0.00	0.00	0.00

J92010

SEMIVOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67799
DFTPP File ID: J35856T.D
DFTPP Injection Date: 09/18/10
DFTPP Injection Time: 4:10

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10115 2/4	J35857SC.D	9/18/10 4:32
B091610SIMASE	J35859B.D	9/18/10 5:35
L091610SIMASE	J35860Q.D	9/18/10 5:56
LD091610SIMASE	J35861Q.D	9/18/10 6:17
67799-1	J35869.D	9/18/10 9:05
67799-1,MS	J35870SP.D	9/18/10 9:26
67799-1,MSD	J35871SP.D	9/18/10 9:47
67799-2	J35872.D	9/18/10 10:09
67799-3	J35873.D	9/18/10 10:30
67799-4	J35874.D	9/18/10 10:51

Refer to the DFTPP report J35856T.D for ion ratio evaluation.

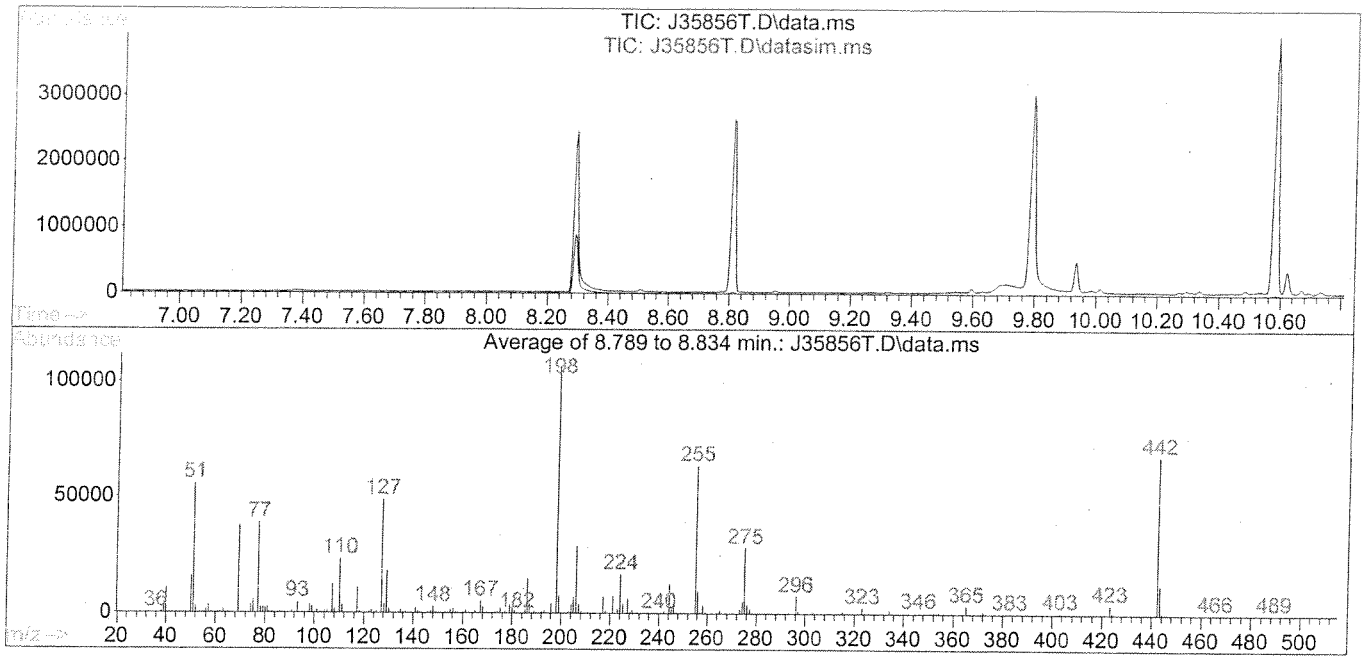
SVOA FORM 5

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35856T.D
Acq On : 18 Sep 2010 4:10 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIX.M
Title : ABN FULL SCAN
Last Update : Wed Sep 15 23:56:57 2010

MV 9/18/10



Spectrum Information: Average of 8.789 to 8.834 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.2	55494	PASS
68	69	0.00	2	0.0	6	PASS
69	198	0.00	100	35.3	37499	PASS
70	69	0.00	2	0.5	175	PASS
127	198	40	60	45.8	48715	PASS
197	198	0.00	1	0.0	1	PASS
198	198	100	100	100.0	106371	PASS
199	198	5	9	7.1	7518	PASS
275	198	10	30	26.3	27987	PASS
365	198	1	100	3.2	3444	PASS
441	443	0.01	100	1.4	168	PASS
442	198	40	100	63.9	67921	PASS
443	442	17	23	18.2	12371	PASS

J92010

SEMI-VOLATILE
TUNE MIX CHECK

9/18/10

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35856T.D**
Date Acquired **9/18/2010 4:10**

Name	Target Response
Pentachlorophenol	372698.00
Benzidine	1492911.00
DDE	2273.00
DDD	10836
DDT	861541

(0% - 20%)

%DDT BREAKDOWN = 1.50% **OK**

092010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35856T.D
Acq On : 18 Sep 2010 4:10 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 05:19:19 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

MR 9/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	8.294	266	372698	25.49 ug/ml	99
2) DFTPP	8.812	198	316572	26.21 ug/ml	99
3) Benzidine	9.792	184	1492911	24.12 ug/ml	98
4) DDE	9.976	246	2273	1.55 ug/ml	99
5) DDD	10.293	235	10836	0.67 ug/ml	88
6) DDT	10.584	235	861541	28.07 ug/ml	99

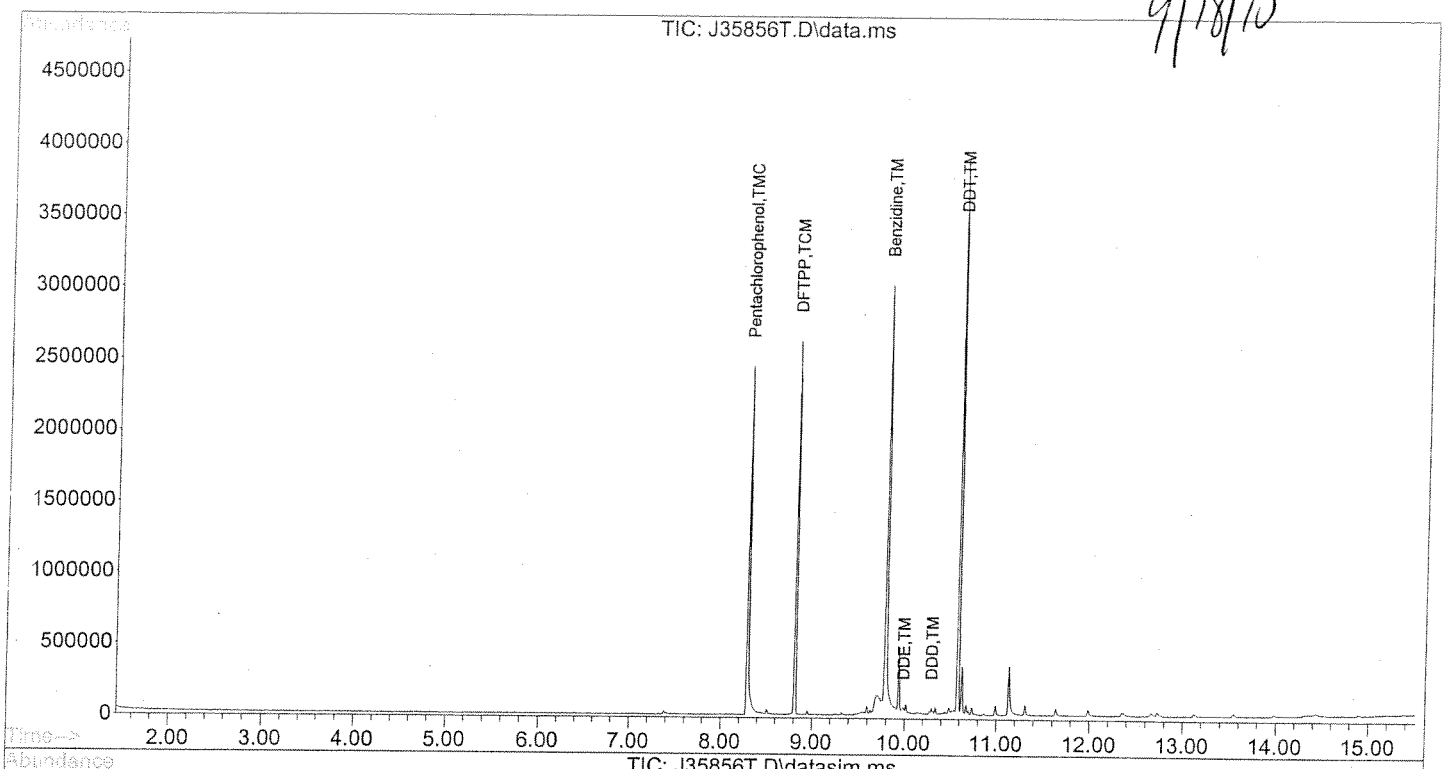
(#) = qualifier out of range (m) = manual integration (+) = signals summed

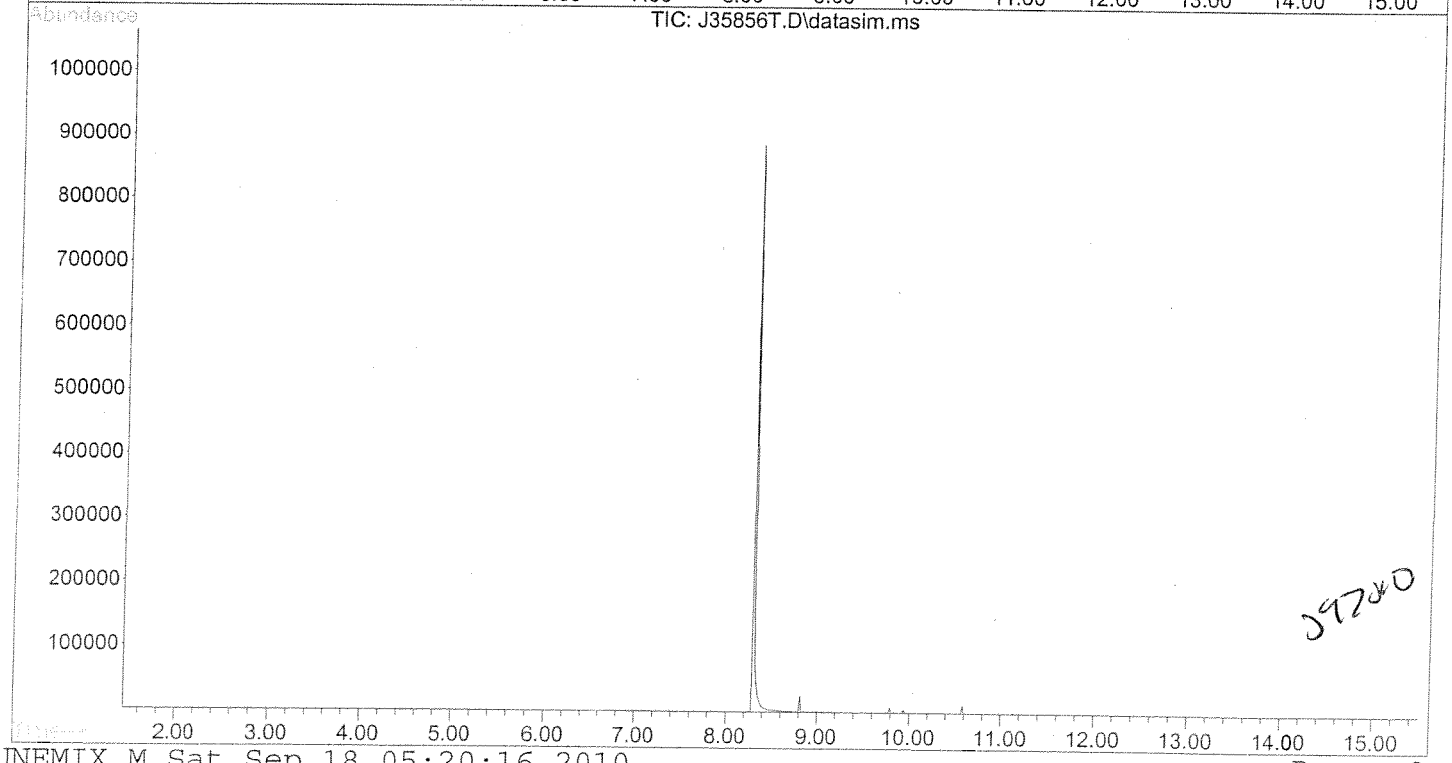
5/9/2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35856T.D
Acq On : 18 Sep 2010 4:10 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 05:19:19 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

MK 9/18/10



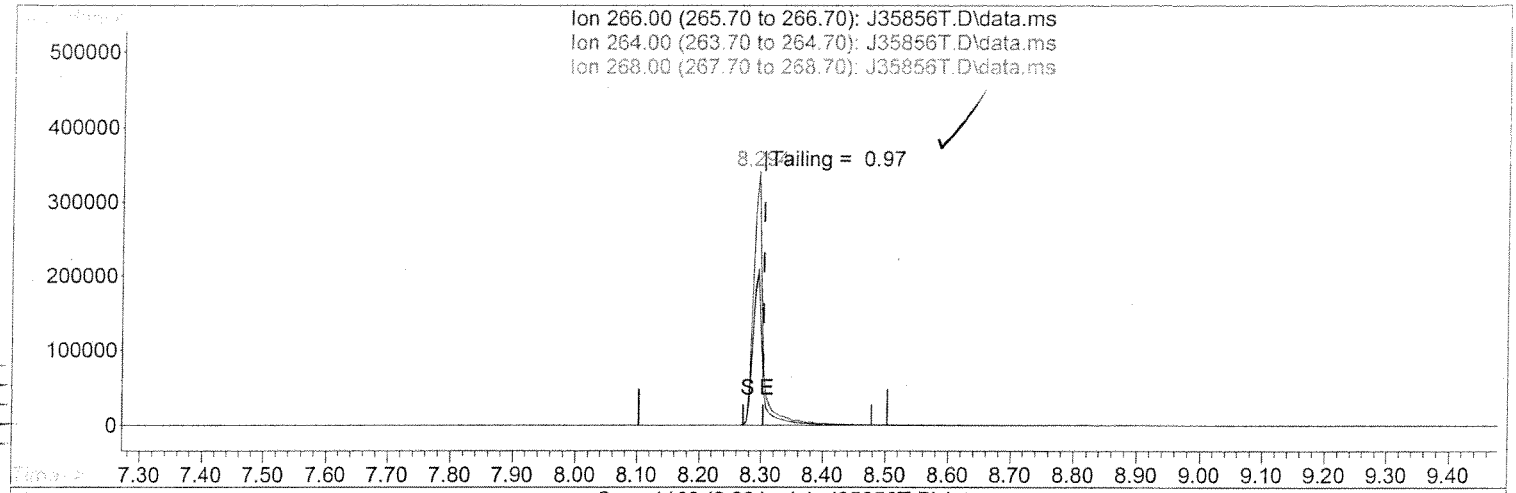


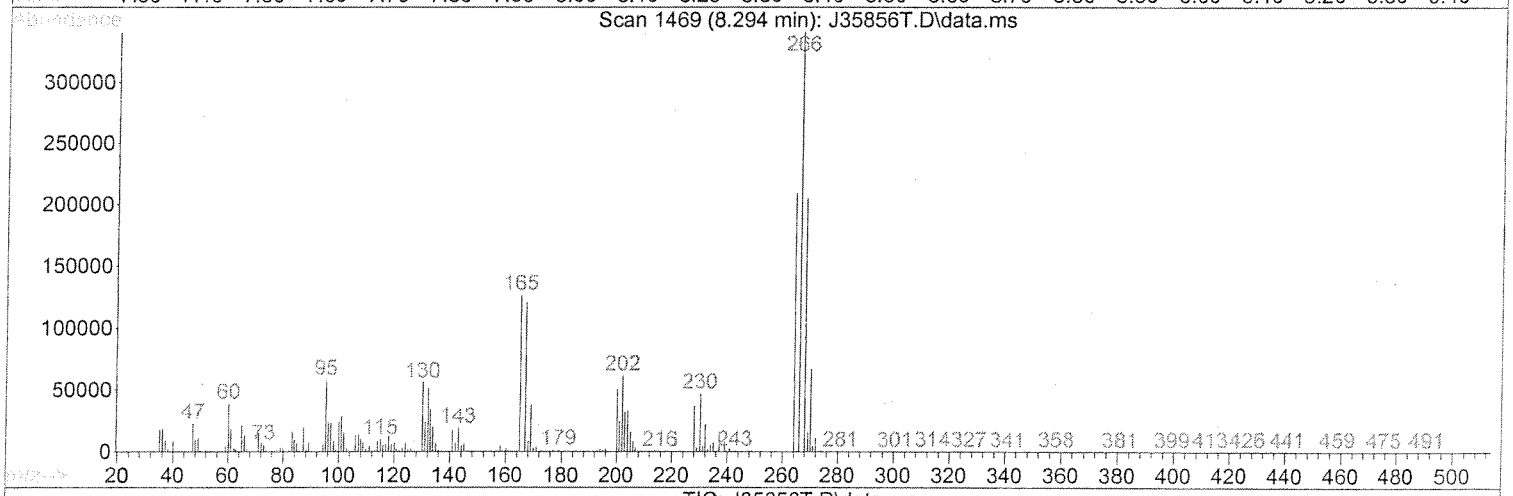
J97280

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35856T.D
Acq On : 18 Sep 2010 4:10 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 05:19:19 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

MC 9/18/10





TIC: J35856T.D\data.ms

(1) Pentachlorophenol (TMC)

8.294min (-0.009) 25.49ug/ml

response 372698

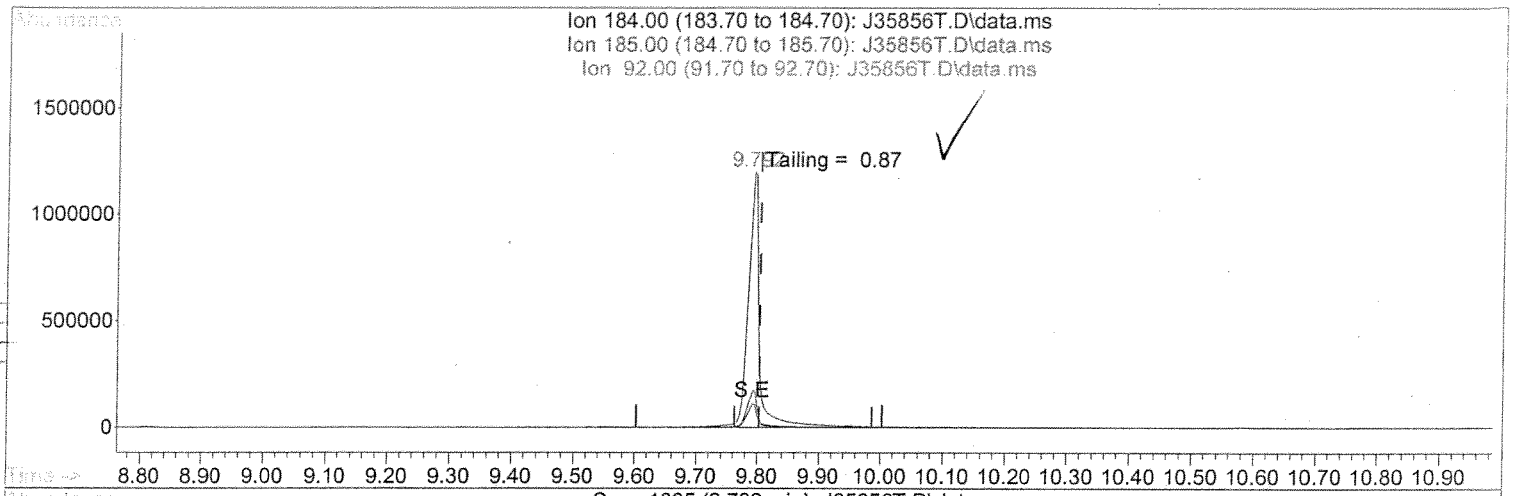
Ion	Exp%	Act%
266.00	100	100
264.00	62.10	62.88
268.00	59.70	60.91
0.00	0.00	0.00

392012

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35856T.D
Acq On : 18 Sep 2010 4:10 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 18 05:19:19 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10



(3) Benzidine (TM)

9.792min (-0.011) 24.12ug/ml

response 1492911

Ion	Exp%	Act%
184.00	100	100
185.00	12.90	14.02
92.00	9.10	9.26
0.00	0.00	0.00

9/20/10

Method Path : C:\msdchem\1\METHODS\
Method File : SIM091710.M
Title : ABN SIM
Last Update : Sat Sep 18 02:42:08 2010
Response Via : Initial Calibration

9/18/10

Calibration Files
0.1 =J35844SI.D 0.2 =J35845SI.D 1 =J35846SI.D 2 =J35847SI.D 4 =J35848SI.D 10 =J35849SI.D
20 =J35850SI.D 0.05=J35843SI.D

		Compound	0.1	0.2	1	2	4	10	20	0.05	Avg	%RSD
1)	I	d8-Naphthalene	----------ISTD----------									
2)	S	d5-nitrobenzene	0.438	0.488	0.512	0.482	0.480	0.444	0.387	——	0.462	9.01
3)	TM	Naphthalene	1.460	1.437	1.481	1.454	1.457	1.281	1.142	1.474	1.398	8.71
4)	TM	2-Methylnaphth...	0.911	0.946	0.989	0.979	0.887	0.794	0.684	0.770	0.870	12.62
5)	I	d10-Acenaphthene	----------ISTD----------									
6)	S	2-Fluorobiphenyl	2.252	2.238	2.159	2.009	1.871	1.535	1.279	——	1.906	19.58 Q
7)	TM	2-Chloronaphth...	1.831	1.970	1.980	1.887	1.833	1.597	1.412	1.901	1.802	10.96
8)	TM	Acenaphthylene	2.842	2.996	3.018	2.904	2.834	2.467	2.195	2.858	2.764	10.32
9)	TM	Acenaphthene	1.615	1.676	1.673	1.614	1.601	1.481	1.323	1.684	1.583	7.83
10)	TM	Fluorene	2.096	2.161	2.224	2.153	2.094	1.860	1.598	2.131	2.040	10.20
11)	I	d10-Phenanthrene	----------ISTD----------									
12)	TM	Phenanthrene	1.875	1.801	1.768	1.684	1.685	1.499	1.294	2.087	1.712	13.97
13)	TM	Anthracene	1.861	1.869	1.916	1.843	1.825	1.623	1.387	1.806	1.766	9.98
14)	T	Biphenyl	1.394	1.359	1.413	1.323	1.280	1.064	0.879	1.335	1.256	14.87
15)	TM	Fluoranthene	1.889	1.914	2.010	2.010	2.002	1.729	1.437	2.046	1.880	10.95
16)	I	d12-Chrysene	----------ISTD----------									
17)	TM	Pyrene	2.226	2.181	2.287	2.347	2.347	2.060	1.840	2.386	2.209	8.28
18)	S	d14-p-terphenyl	1.070	1.066	1.064	1.001	0.950	0.805	0.700	——	0.951	15.30 Q
19)	TM	Benzo[a]anthra...	0.556	0.476	0.446	0.437	0.446	0.411	0.377	0.654	0.475	18.69 Q
20)	TM	Chrysene	1.943	1.909	1.841	1.820	1.818	1.551	1.438	2.063	1.798	11.46
21)	I	d12-Perylene	----------ISTD----------									
22)	TM	Benzo[b] fluor...	1.604	1.653	1.825	1.773	1.746	1.651	1.533	1.732	1.690	5.71 Q
23)	TM	Benzo[k] fluor...	2.015	2.206	2.118	2.114	2.043	1.747	1.499	2.231	1.997	12.55
24)	TM	Benzo[a] pyrene	1.738	1.791	1.882	1.876	1.921	1.713	1.540	1.812	1.784	6.84
25)	TM	Indeno [1,2,3-...	1.158	1.132	1.292	1.311	1.388	1.341	1.241	1.330	1.274	7.06
26)	TM	Dibenz [a,h] a...	1.442	1.482	1.535	1.519	1.512	1.401	1.258	1.376	1.441	6.48
27)	TM	Benzo(g,h,i) ...	1.757	1.719	1.720	1.693	1.684	1.534	1.380	2.059	1.693	11.44

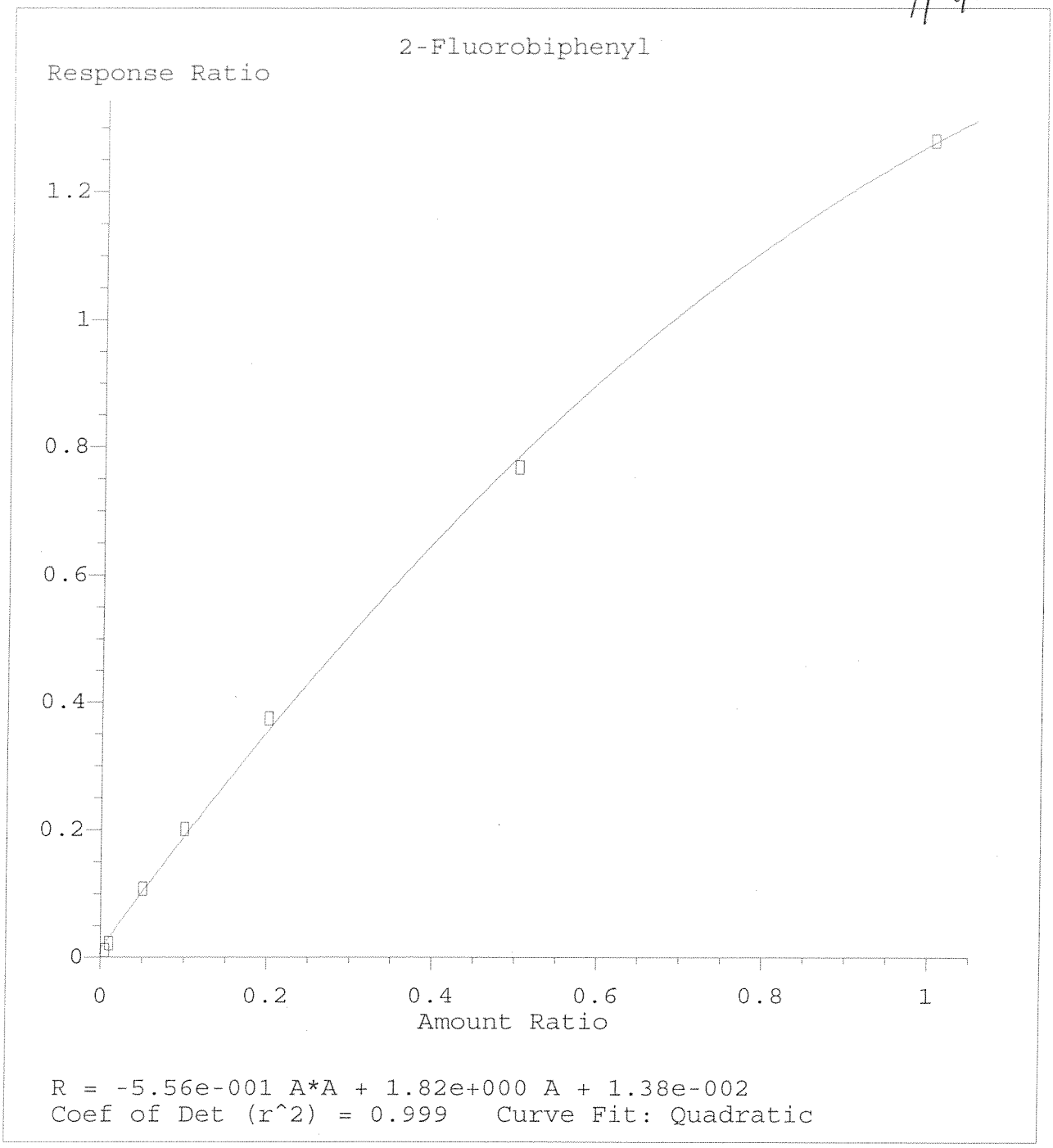
J92010

Method Path : C:\msdchem\1\METHODS\
Method File : SIM091710.M
Title : ABN SIM

(#) = Out of Range

9/18/10

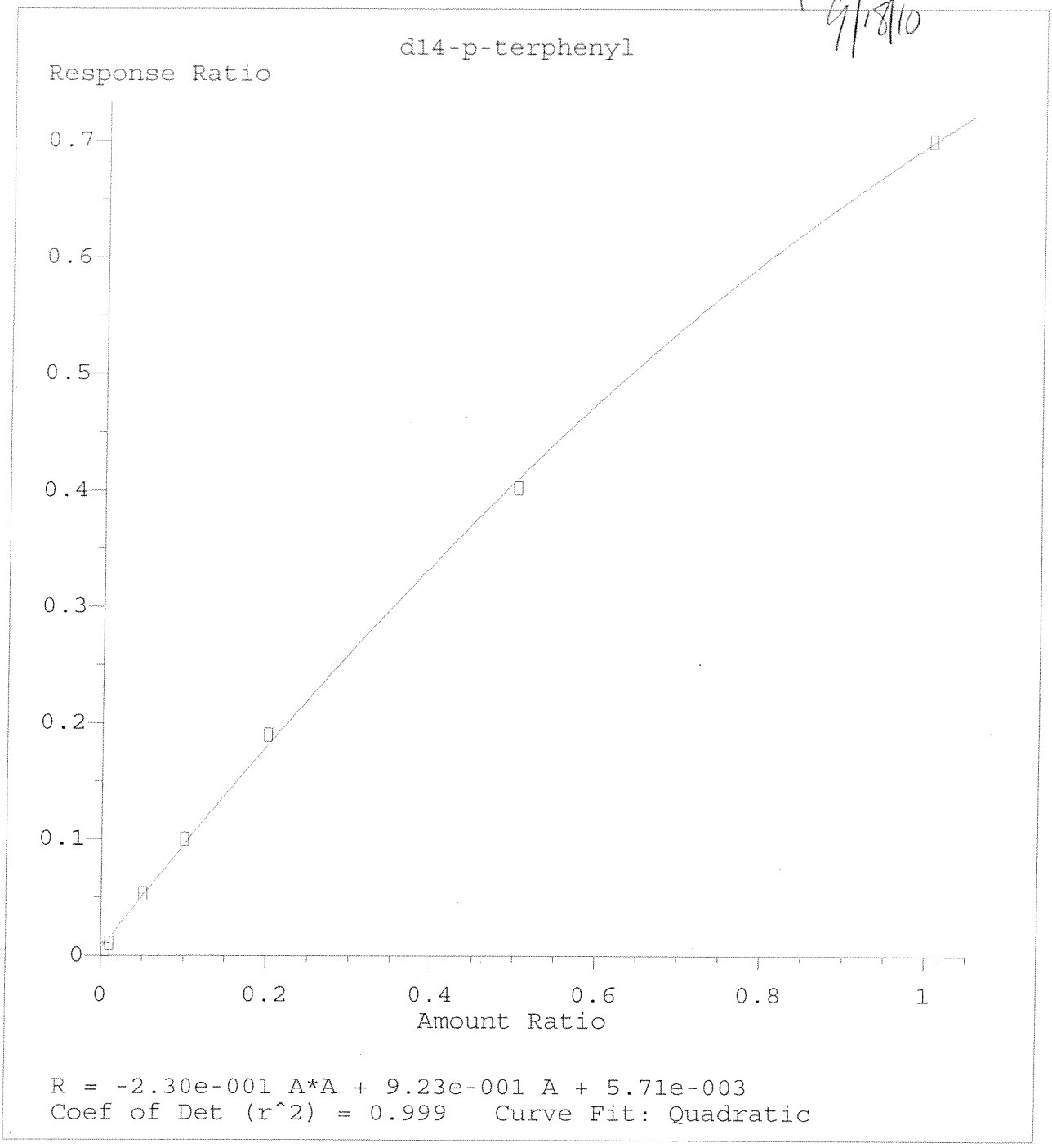
9/18/10



Method Name: C:\msdchem\1\METHODS\SIM091710.M
Calibration Table Last Updated: Sat Sep 18 02:40:17 2010

592010

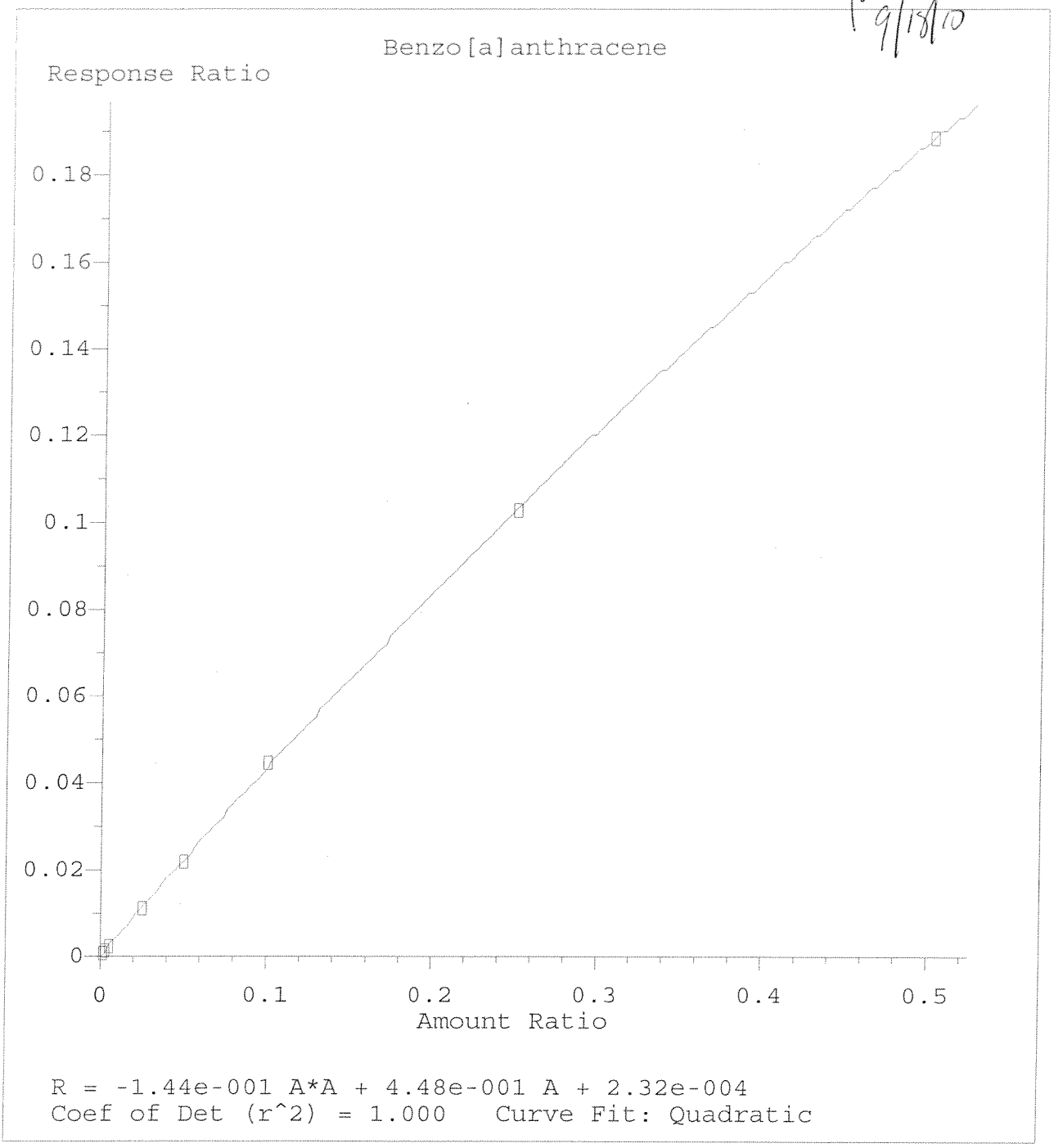
MN 9/18/10



Method Name: C:\msdchem\1\METHODS\SIM091710.M
Calibration Table Last Updated: Sat Sep 18 02:41:41 2010

392010

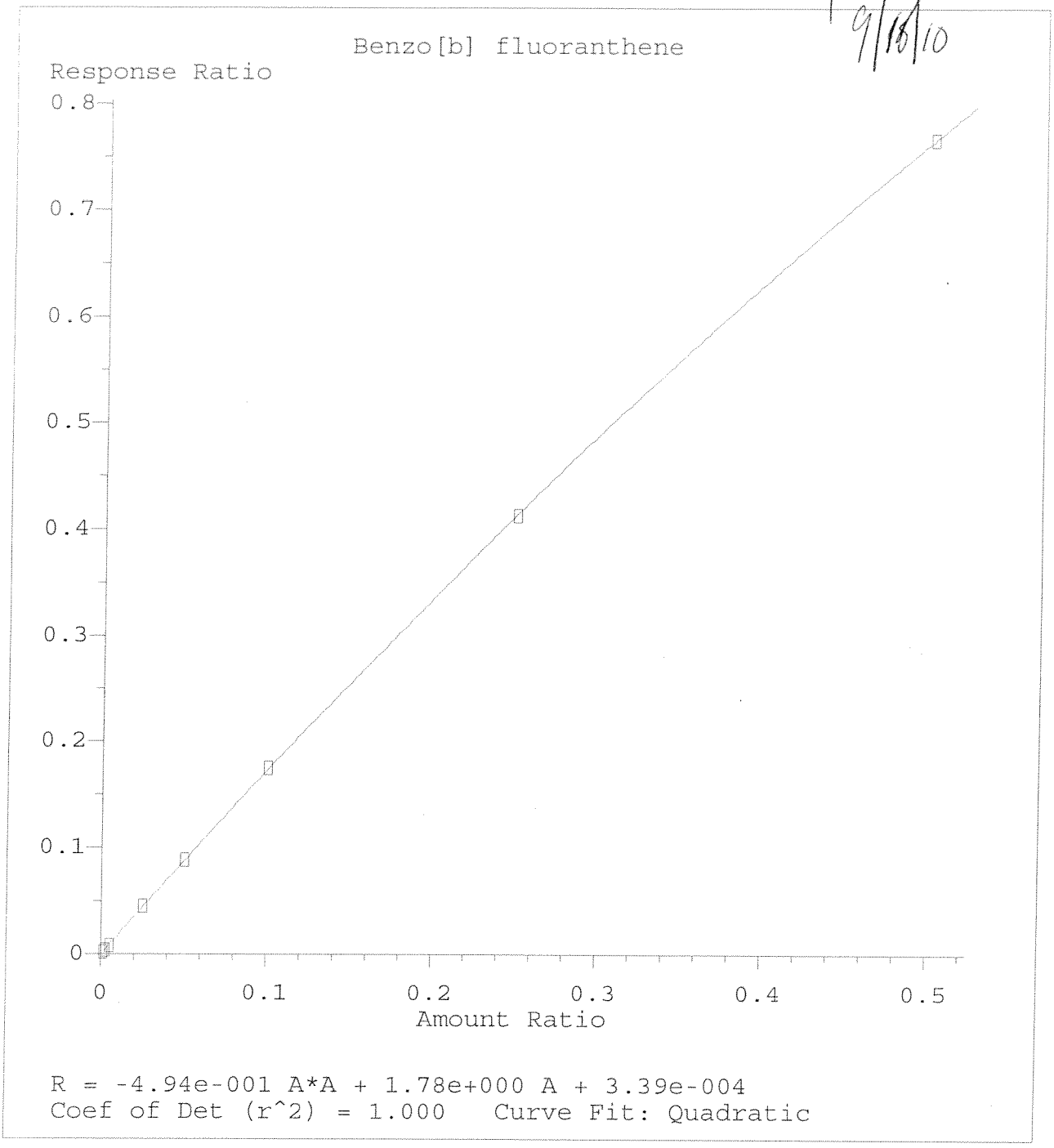
PM 9/18/10



Method Name: C:\msdchem\1\METHODS\SIM091710.M
Calibration Table Last Updated: Sat Sep 18 02:42:01 2010

3/9/2010

PN 9/18/10



Method Name: C:\msdchem\1\METHODS\SIM091710.M
Calibration Table Last Updated: Sat Sep 18 04:08:57 2010

3 9 2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35843SI.D
Acq On : 17 Sep 2010 11:37 pm
Operator : AR/MG
Sample : S10119 0.05/0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

MC
9/18/10

Quant Time: Sep 18 02:35:56 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Thu Sep 16 00:33:10 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d8-Naphthalene	5.311	136	1206864	40.00	ug/ml	-0.01
5) d10-Acenaphthene	7.029	164	671601	40.00	ug/ml	-0.01
11) d10-Phenanthrene	8.457	188	1123865	40.00	ug/ml	-0.02
16) d12-Chrysene	11.004	240	1046577	40.00	ug/ml	-0.01
21) d12-Perylene	12.469	264	939666	40.00	ug/ml	-0.02
System Monitoring Compounds						
2) d5-nitrobenzene	4.596	82	1366	0.09	ug/ml	0.00
Spiked Amount 5.000	Range 21 - 110		Recovery = 1.80%#			
6) 2-Fluorobiphenyl	6.401	172	3828m	0.11	ug/ml	0.00
Spiked Amount 5.000	Range 44 - 102		Recovery = 2.20%#			
18) d14-p-terphenyl	10.024	244	2812	0.11	ug/ml	0.00
Spiked Amount 5.000	Range 33 - 132		Recovery = 2.20%#			
Target Compounds						Qvalue
3) Naphthalene	5.330	128	2223	0.05	ug/ml#	80
7) 2-Chloronaphthalene	6.495	162	1596	0.05	ug/ml	100
9) Acenaphthene	7.058	154	1414	0.05	ug/ml#	58
10) Fluorene	7.563	166	1789	0.05	ug/ml	100
12) Phenanthrene	8.475	178	2932	0.06	ug/ml	96
13) Anthracene	8.525	178	2537	0.05	ug/ml	99
14) Biphenyl	6.490	154	1876	0.05	ug/ml	98
15) Fluoranthene	9.624	202	2874	0.05	ug/ml	100
17) Pyrene	9.833	202	3122	0.05	ug/ml	98
19) Benzo[a]anthracene	10.985	226	855	0.07	ug/ml#	26
20) Chrysene	11.019	228	2699	0.06	ug/ml	97
22) Benzo[b] fluoranthene	12.054	252	2034	0.05	ug/ml	97
23) Benzo[k] fluoranthene	12.083	252	2620	0.06	ug/ml	97
24) Benzo[a] pyrene	12.393	252	2128	0.05	ug/ml	99
25) Indeno [1,2,3-cd] pyrene	13.637	276	1562m	0.05	ug/ml	
27) Benzo(g,h,i) perylene	13.928	276	2419	0.06	ug/ml	100

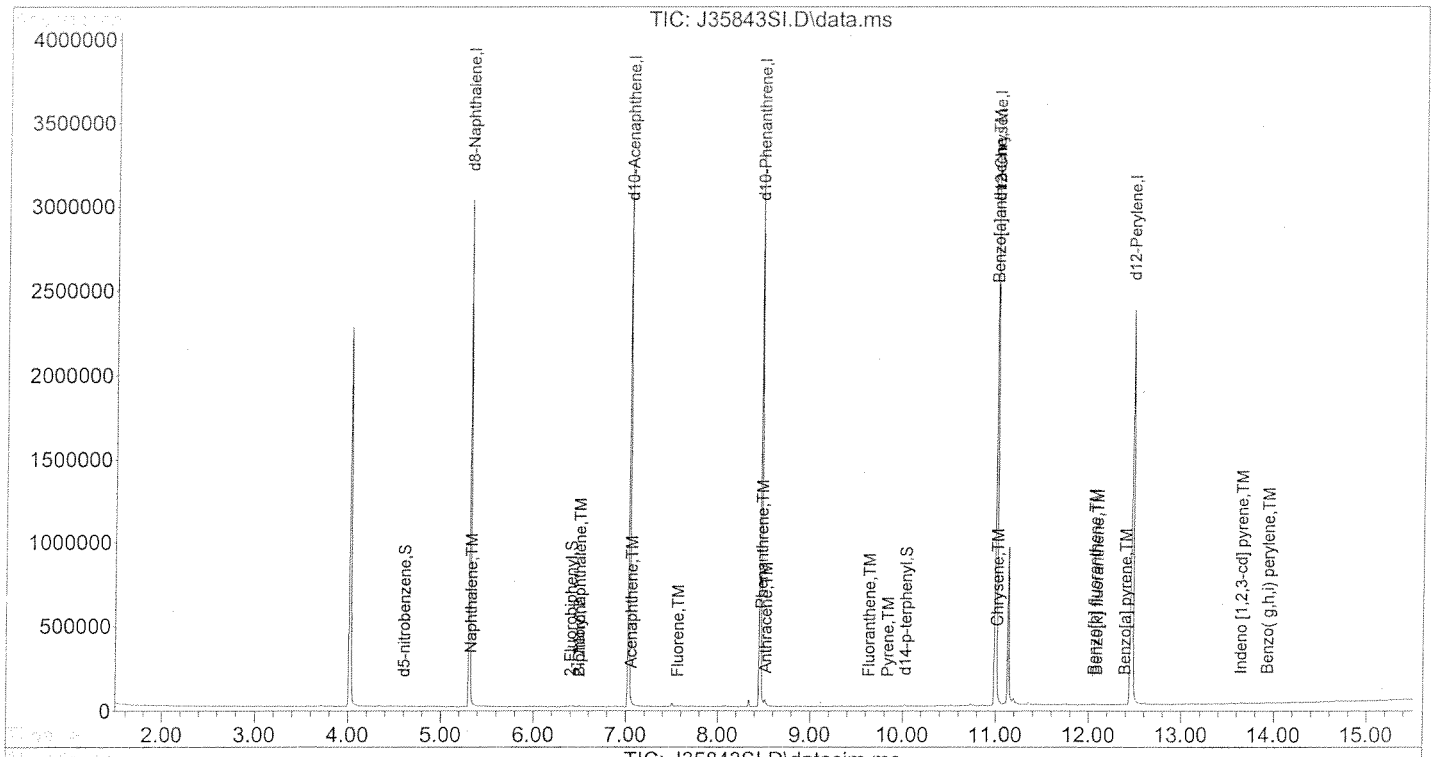
(#) = qualifier out of range (m) = manual integration (+) = signals summed

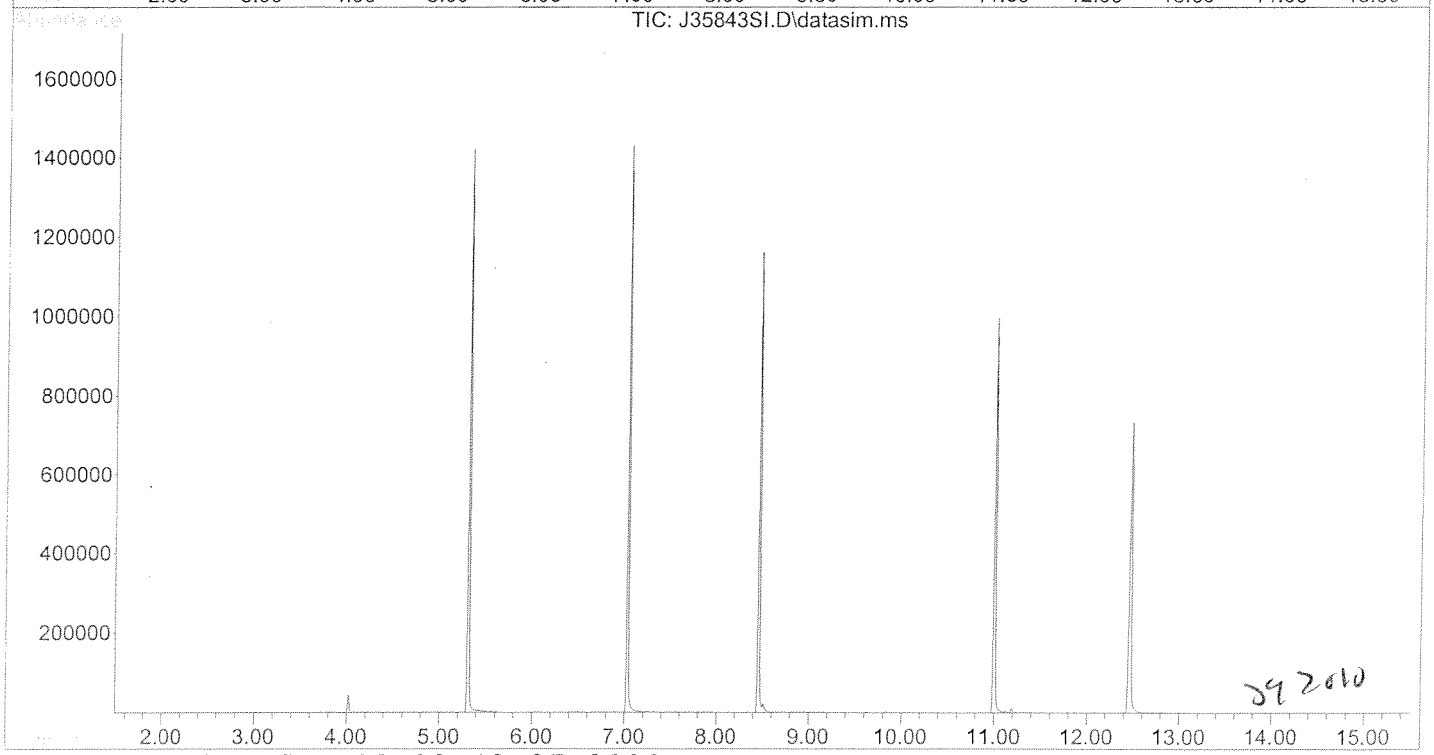
092010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35843SI.D
Acq On : 17 Sep 2010 11:37 pm
Operator : AR/MG
Sample : S10119 0.05/0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 02:35:56 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Thu Sep 16 00:33:10 2010
Response via : Initial Calibration

MV 9/18/10



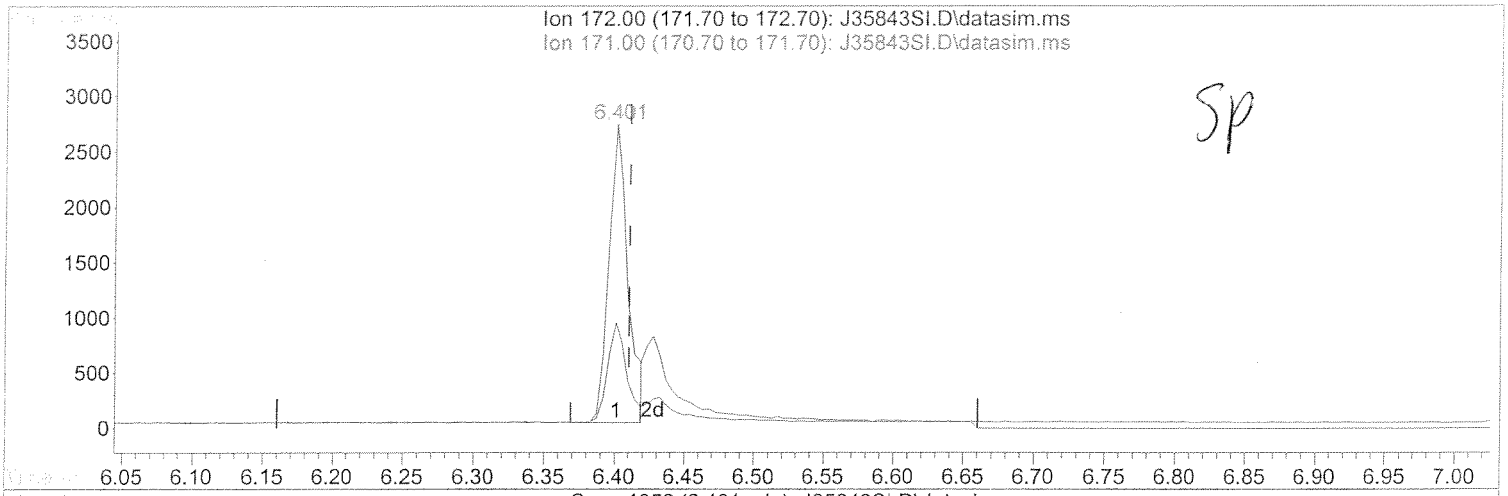


SG 2010

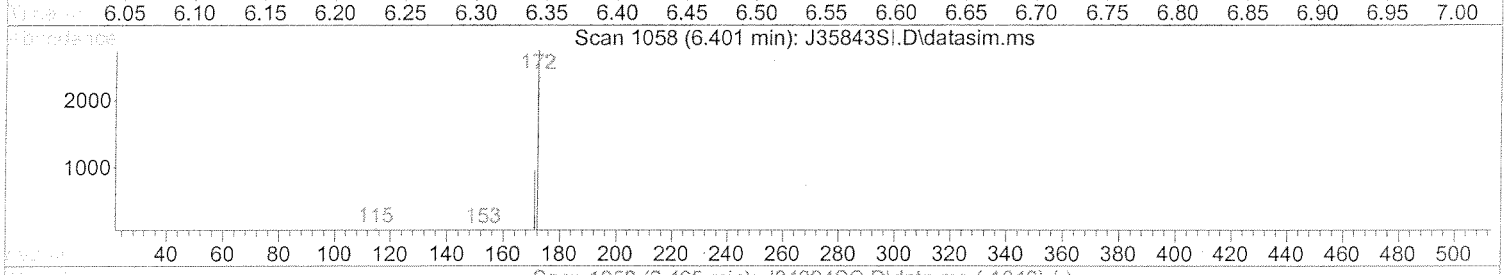
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35843SI.D
Acq On : 17 Sep 2010 11:37 pm
Operator : AR/MG
Sample : S10119 0.05/0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

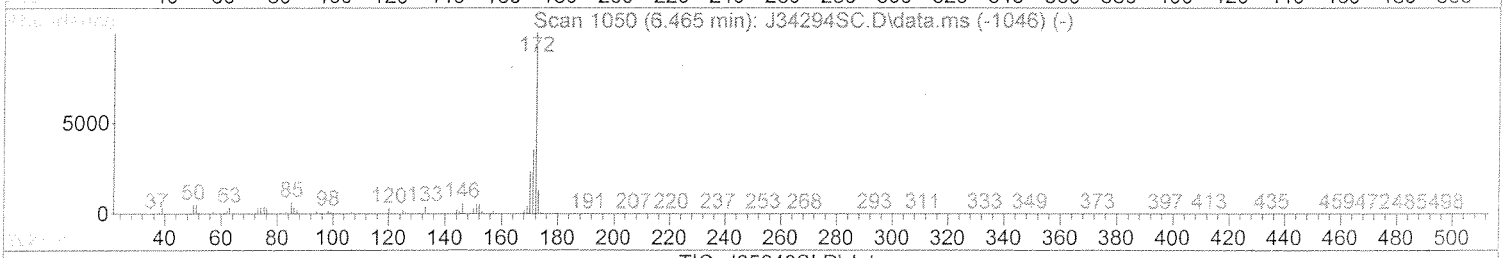
Quant Time: Sep 18 00:50:50 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Thu Sep 16 00:33:10 2010
Response via : Initial Calibration

9/18/10



Sp





TIC: J35843SI.D\data.ms

(6) 2-Fluorobiphenyl (S)

6.401min (-0.010) 0.08ug/ml

response 2590

Ion	Exp%	Act%
-172.00	100	100
171.00	33.60	33.44
0.00	0.00	0.00
0.00	0.00	0.00

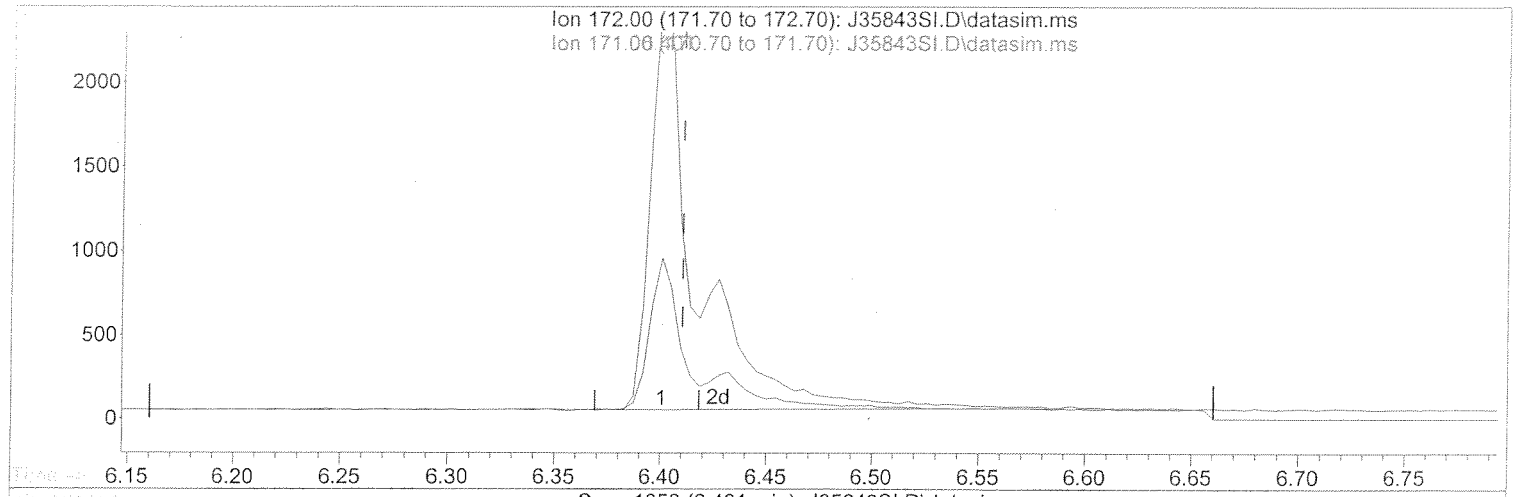
S92010

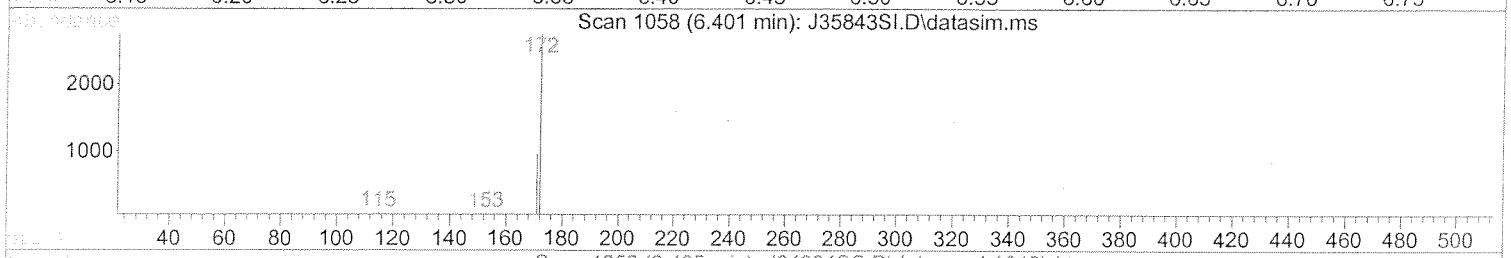
SIM091710.M Sat Sep 18 02:35:42 2010

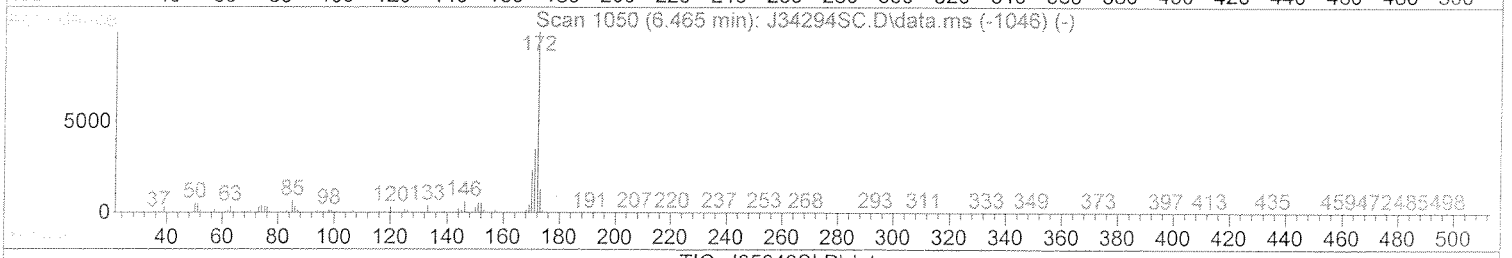
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35843SI.D
Acq On : 17 Sep 2010 11:37 pm
Operator : AR/MG
Sample : S10119 0.05/0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 00:50:50 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Thu Sep 16 00:33:10 2010
Response via : Initial Calibration

MV 9/18/10







TIC: J35843SI.D\data.ms

(6) 2-Fluorobiphenyl (S)

6.401min (-0.010) 0.11ug/ml m

response 3828

Ion	Exp%	Act%
-172.00	100	100
171.00	33.60	22.62#
0.00	0.00	0.00
0.00	0.00	0.00

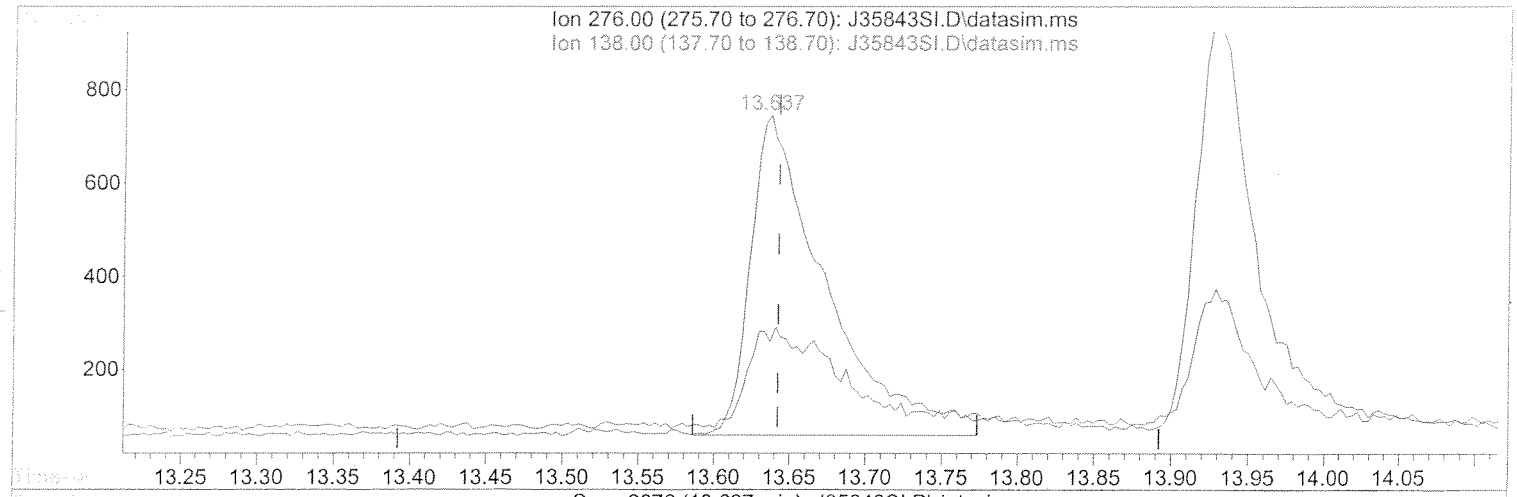
J92010

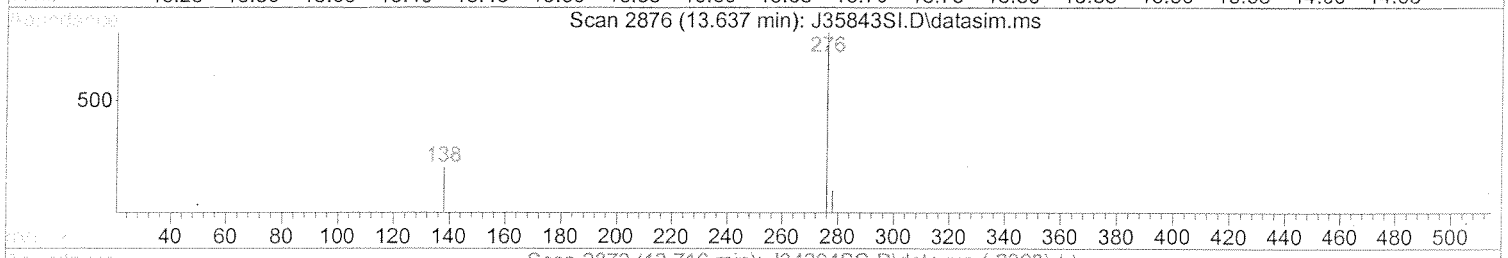
SIM091710.M Sat Sep 18 02:36:03 2010

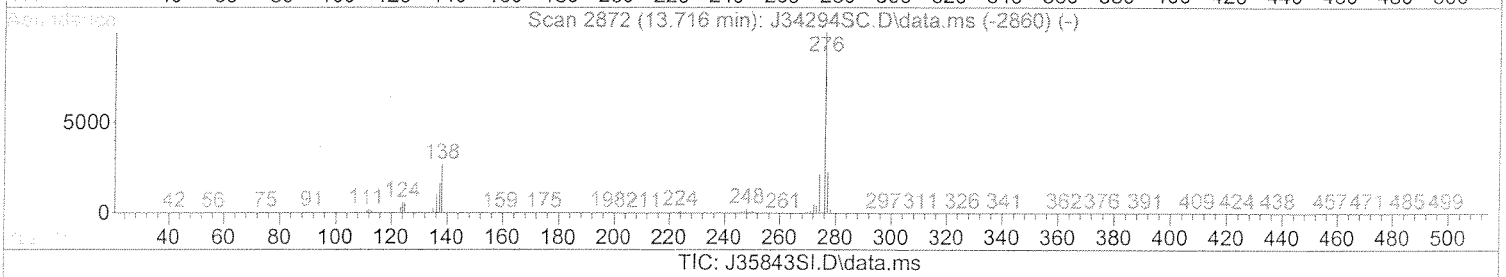
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35843SI.D
Acq On : 17 Sep 2010 11:37 pm
Operator : AR/MG
Sample : S10119 0.05/0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 00:50:02 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Thu Sep 16 00:33:10 2010
Response via : Initial Calibration

9/18/10







TIC: J35843SI.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.637min (-0.006) 0.08ug/ml

response 2376

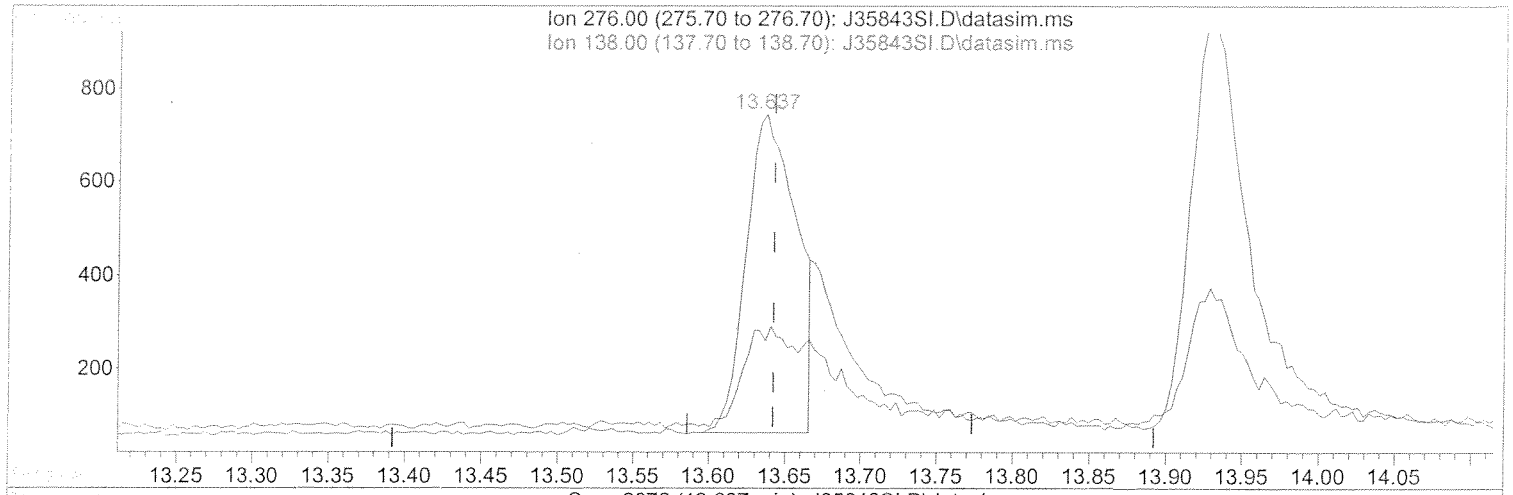
Ion	Exp%	Act%
276.00	100	100
138.00	30.60	35.98
0.00	0.00	0.00
0.00	0.00	0.00

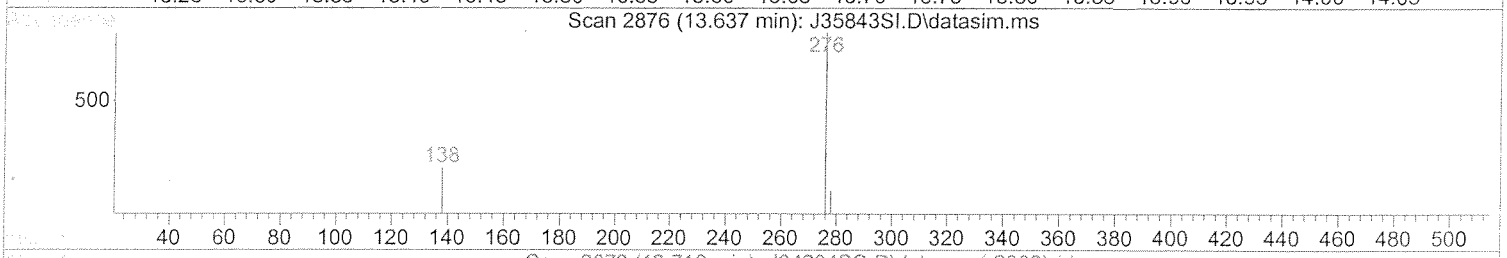
J92010

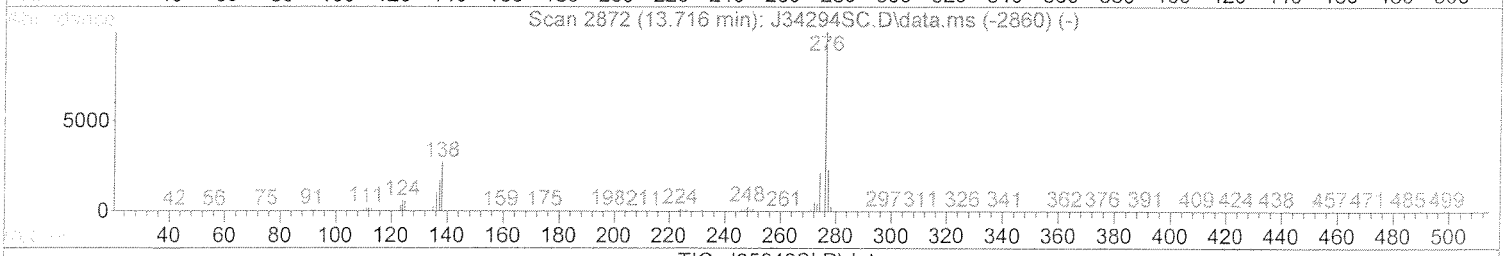
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35843SI.D
Acq On : 17 Sep 2010 11:37 pm
Operator : AR/MG
Sample : S10119 0.05/0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 18 00:50:02 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Thu Sep 16 00:33:10 2010
Response via : Initial Calibration

MN 9/18/10







TIC: J35843SI.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.637min (-0.006) 0.05ug/ml m

response 1562

Ion	Exp%	Act%
-276.00	100	100
138.00	30.60	54.74#
0.00	0.00	0.00
0.00	0.00	0.00

J92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35844SI.D
Acq On : 17 Sep 2010 11:58 pm
Operator : AR/MG
Sample : S10118 0.1/0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 01:03:31 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 00:49:43 2010
Response via : Initial Calibration

9/18/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d8-Naphthalene	5.308	136	1259243	40.00	ug/ml	-0.02
5) d10-Acenaphthene	7.030	164	683510	40.00	ug/ml	-0.01
11) d10-Phenanthrene	8.458	188	1162006	40.00	ug/ml	-0.01
16) d12-Chrysene	11.002	240	1044546	40.00	ug/ml	-0.02
21) d12-Perylene	12.467	264	934377	40.00	ug/ml	-0.02

System Monitoring Compounds						
2) d5-nitrobenzene	4.597	82	2760	0.18	ug/ml	0.00
Spiked Amount 5.000	Range 21 - 110		Recovery = 3.60%#			
6) 2-Fluorobiphenyl	6.402	172	7698	0.23	ug/ml	0.00
Spiked Amount 5.000	Range 44 - 102		Recovery = 4.60%#			
18) d14-p-terphenyl	10.025	244	5586	0.22	ug/ml	0.00
Spiked Amount 5.000	Range 33 - 132		Recovery = 4.40%#			

Target Compounds						Qvalue
3) Naphthalene	5.327	128	4595	0.10	ug/ml#	88
4) 2-Methylnaphthalene	6.025	141	2869	0.10	ug/ml	83
7) 2-Chloronaphthalene	6.496	162	3129	0.10	ug/ml	96
8) Acenaphthylene	6.885	152	4856	0.10	ug/ml#	93
9) Acenaphthene	7.060	154	2759	0.10	ug/ml#	58
10) Fluorene	7.564	166	3582	0.10	ug/ml	98
12) Phenanthrene	8.476	178	5447	0.11	ug/ml	98
13) Anthracene	8.526	178	5407	0.10	ug/ml	100
14) Biphenyl	6.491	154	4049	0.11	ug/ml	99
15) Fluoranthene	9.625	202	5487	0.10	ug/ml	99
17) Pyrene	9.834	202	5812	0.10	ug/ml	98
19) Benzo[a]anthracene	10.987	226	1452	0.11	ug/ml#	65
20) Chrysene	11.021	228	5075	0.11	ug/ml	100
22) Benzo[b] fluoranthene	12.056	252	3746	0.10	ug/ml	96
23) Benzo[k] fluoranthene	12.084	252	4706	0.10	ug/ml	97
24) Benzo[a] pyrene	12.391	252	4059	0.10	ug/ml	99
25) Indeno [1,2,3-cd] pyrene	13.634	276	2706m	0.09	ug/ml	
26) Dibenz [a,h] anthracene	13.670	278	3368	0.10	ug/ml	95
27) Benzo(g,h,i) perylene	13.926	276	4105	0.11	ug/ml	97

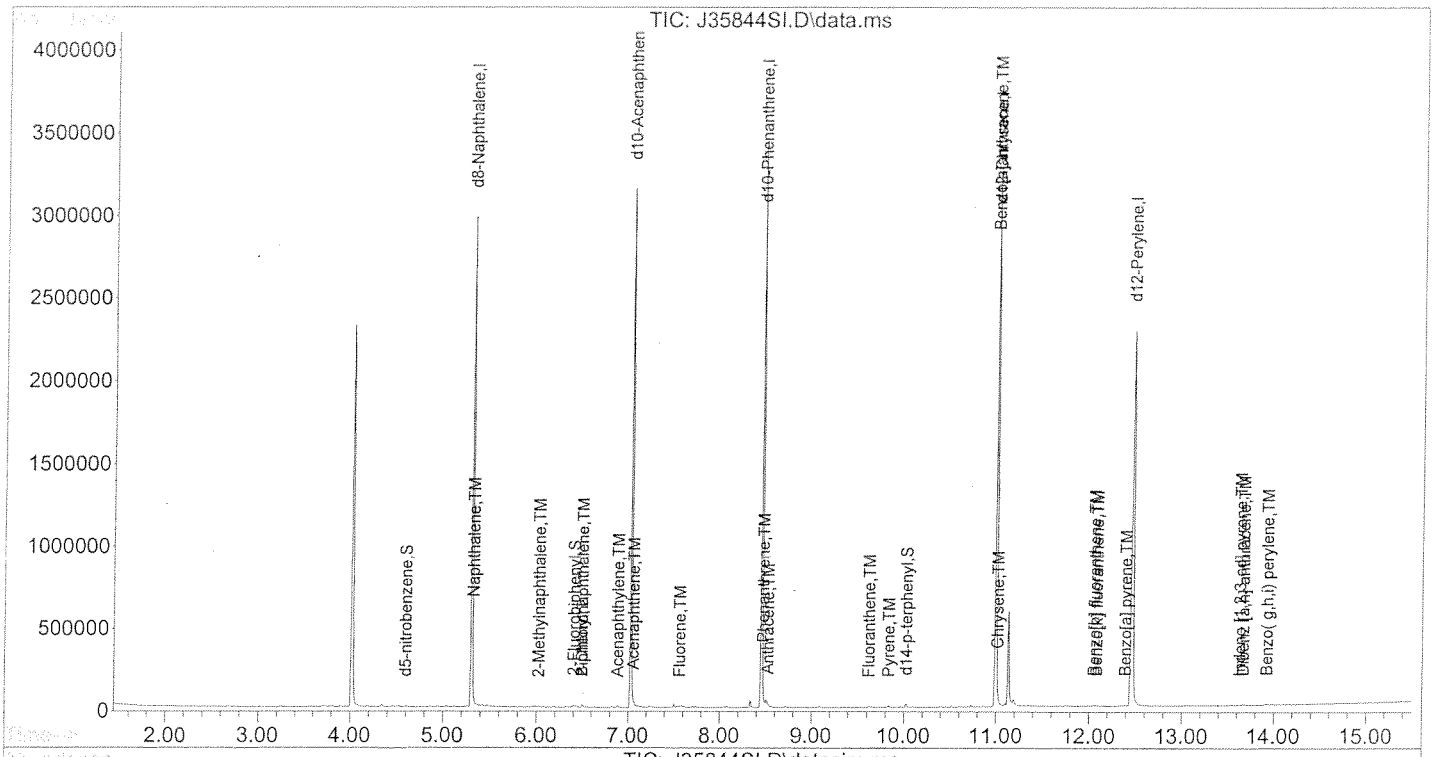
(#) = qualifier out of range (m) = manual integration (+) = signals summed

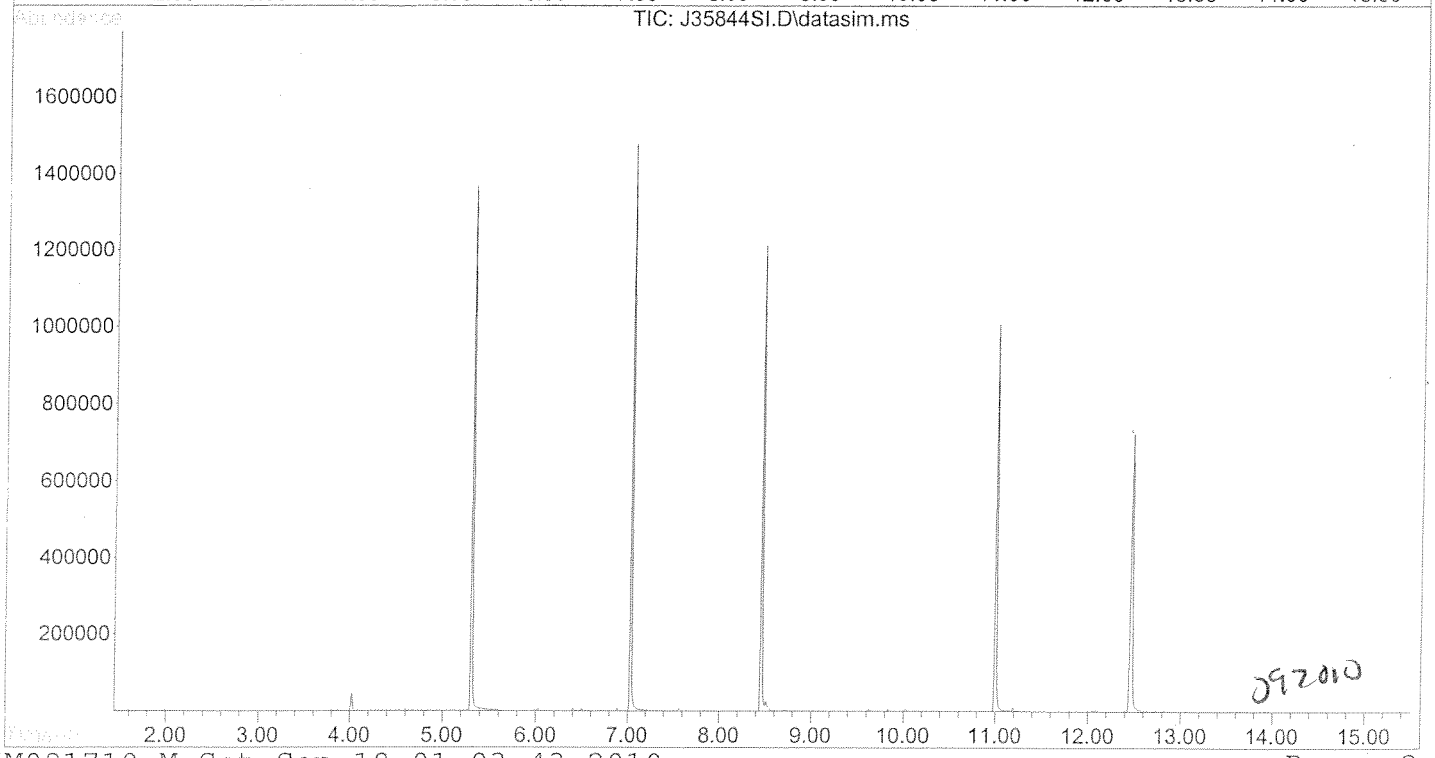
J92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35844SI.D
Acq On : 17 Sep 2010 11:58 pm
Operator : AR/MG
Sample : S10118 0.1/0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 01:03:31 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 00:49:43 2010
Response via : Initial Calibration

MO
9/18/10





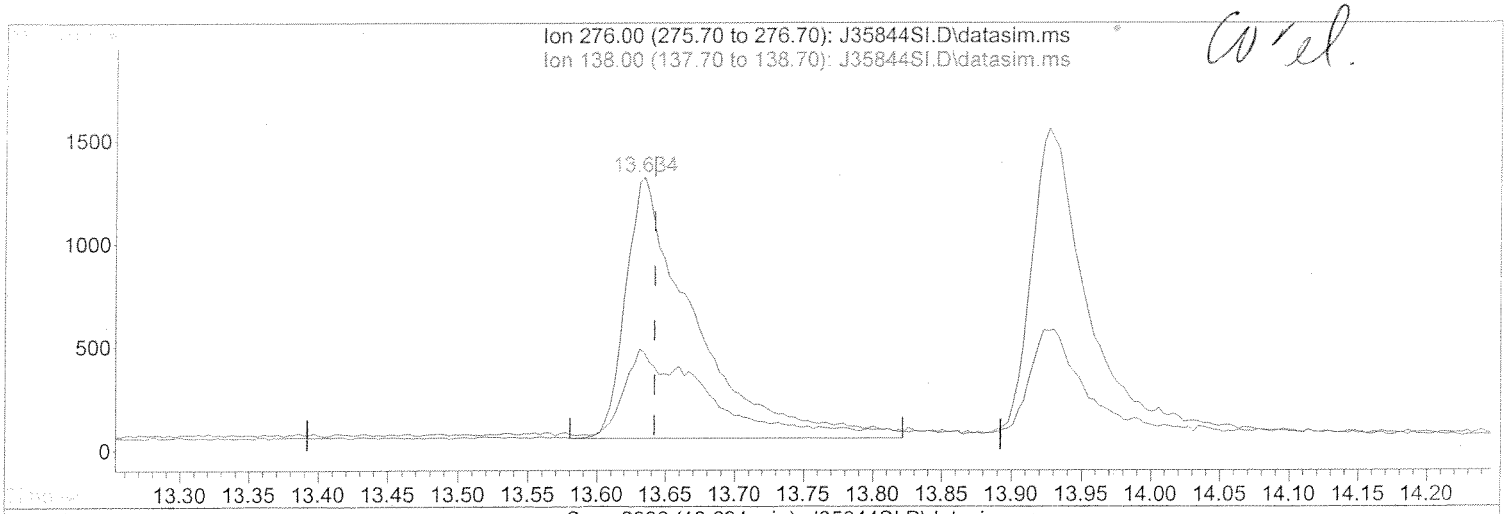
092010

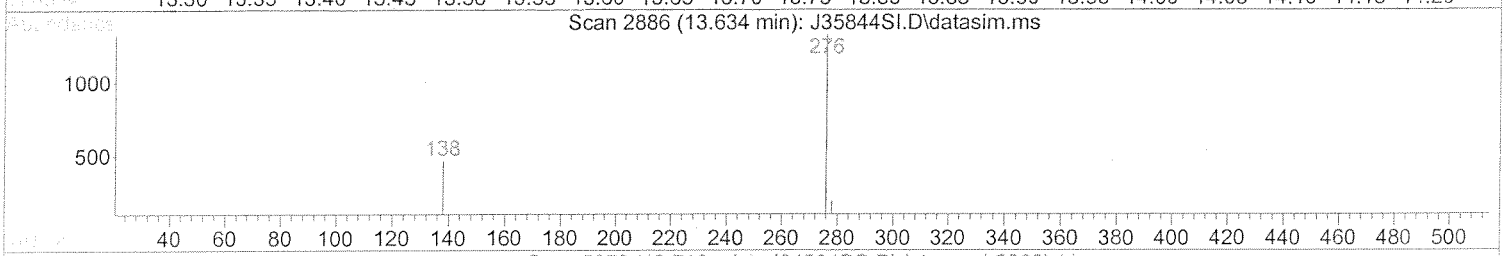
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35844SI.D
Acq On : 17 Sep 2010 11:58 pm
Operator : AR/MG
Sample : S10118 0.1/0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

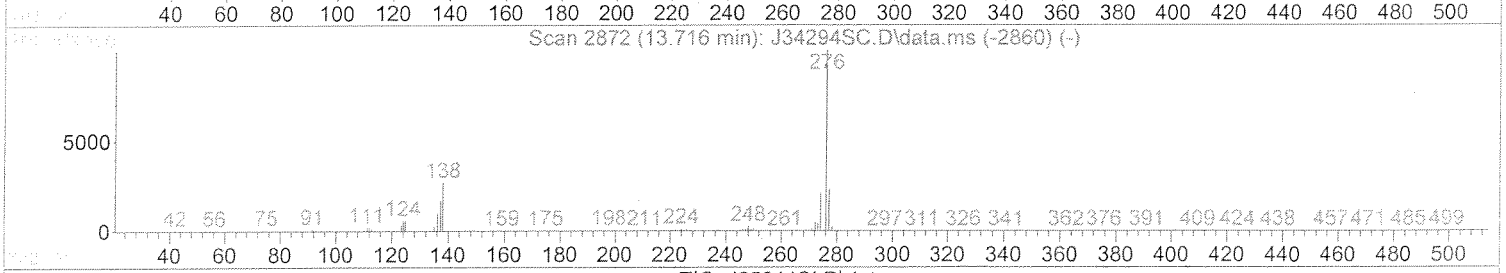
Quant Time: Sep 18 00:51:15 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 00:49:43 2010
Response via : Initial Calibration

PN 9/18/10

Cw/el.







TIC: J35844SI.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.634min (-0.008) 0.15ug/ml

response 4411

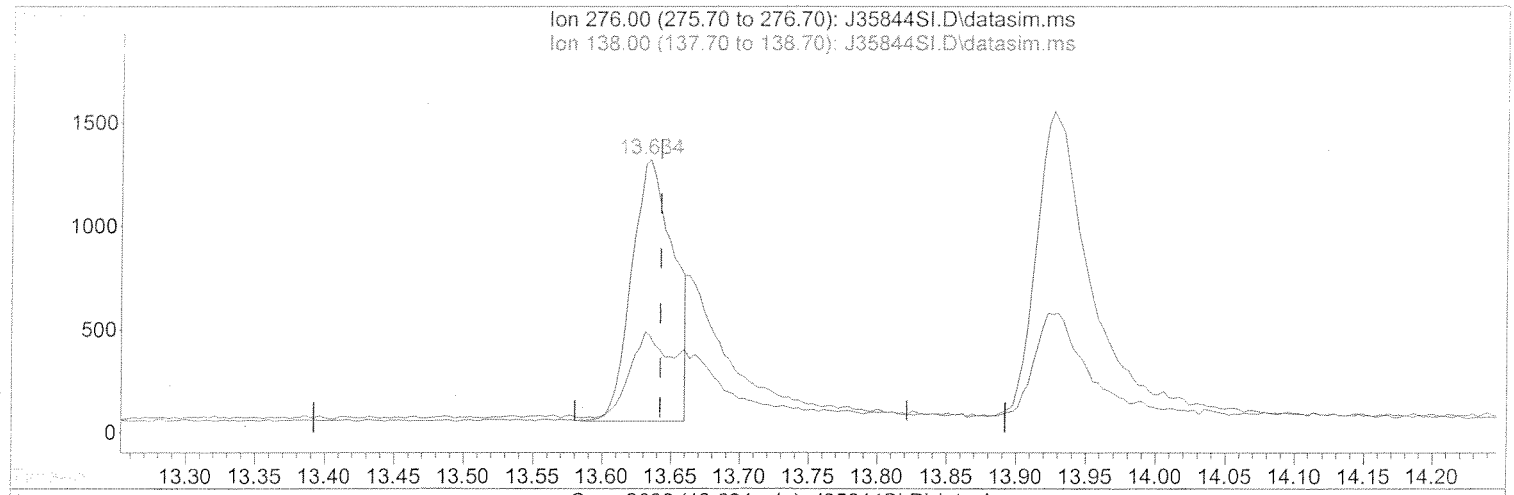
Ion	Exp%	Act%
276.00	100	100
138.00	30.60	37.68#
0.00	0.00	0.00
0.00	0.00	0.00

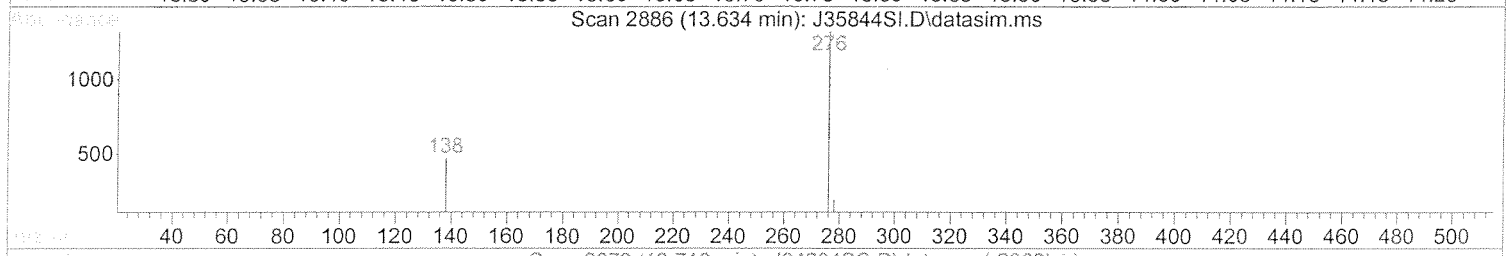
J92010

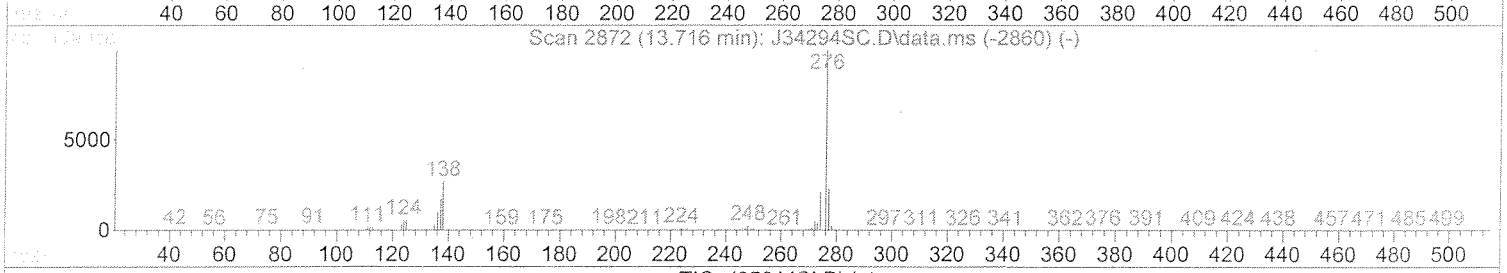
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35844SI.D
Acq On : 17 Sep 2010 11:58 pm
Operator : AR/MG
Sample : S10118 0.1/0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 18 00:51:15 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 00:49:43 2010
Response via : Initial Calibration

MC
9/18/10







TIC: J35844SI.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.634min (-0.008) 0.09ug/ml m

response 2706

Ion	Exp%	Act%
-276.00	100	100
138.00	30.60	61.42#
0.00	0.00	0.00
0.00	0.00	0.00

J92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35845SI.D
Acq On : 18 Sep 2010 12:19 am
Operator : AR/MG
Sample : S10117 0.2/0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

MV
9/18/10

Quant Time: Sep 18 01:04:35 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 00:49:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d8-Naphthalene	5.308	136	1240194	40.00	ug/ml	-0.02
5) d10-Acenaphthene	7.030	164	681948	40.00	ug/ml	-0.01
11) d10-Phenanthrene	8.459	188	1169461	40.00	ug/ml	-0.01
16) d12-Chrysene	11.002	240	1050908	40.00	ug/ml	-0.02
21) d12-Perylene	12.467	264	935240	40.00	ug/ml	-0.02
System Monitoring Compounds						
2) d5-nitrobenzene	4.592	82	6054	0.40	ug/ml	-0.01
Spiked Amount 5.000	Range 21 - 110		Recovery	=	8.00%#	
6) 2-Fluorobiphenyl	6.402	172	15259	0.45	ug/ml	0.00
Spiked Amount 5.000	Range 44 - 102		Recovery	=	9.00%#	
18) d14-p-terphenyl	10.022	244	11205	0.43	ug/ml	-0.01
Spiked Amount 5.000	Range 33 - 132		Recovery	=	8.60%#	
Target Compounds						Qvalue
3) Naphthalene	5.327	128	8913	0.20	ug/ml	96
4) 2-Methylnaphthalene	6.021	141	5865	0.22	ug/ml	89
7) 2-Chloronaphthalene	6.491	162	6717	0.22	ug/ml	97
8) Acenaphthylene	6.885	152	10215	0.21	ug/ml	96
9) Acenaphthene	7.060	154	5716	0.20	ug/ml#	87
10) Fluorene	7.559	166	7370	0.21	ug/ml	98
12) Phenanthrene	8.477	178	10530	0.20	ug/ml	99
13) Anthracene	8.526	178	10929	0.21	ug/ml	99
14) Biphenyl	6.491	154	7947	0.21	ug/ml	99
15) Fluoranthene	9.621	202	11194	0.20	ug/ml	99
17) Pyrene	9.831	202	11462	0.20	ug/ml	99
19) Benzo[a]anthracene	10.987	226	2500	0.19	ug/ml#	77
20) Chrysene	11.021	228	10032	0.22	ug/ml	98
22) Benzo[b] fluoranthene	12.052	252	7732m	0.20	ug/ml	
23) Benzo[k] fluoranthene	12.081	252	10318	0.23	ug/ml	99
24) Benzo[a] pyrene	12.391	252	8373	0.21	ug/ml	100
25) Indeno [1,2,3-cd] pyrene	13.631	276	5295m	0.18	ug/ml	
26) Dibenz [a,h] anthracene	13.667	278	6931	0.21	ug/ml	99
27) Benzo(g,h,i) perylene	13.923	276	8037	0.22	ug/ml	100

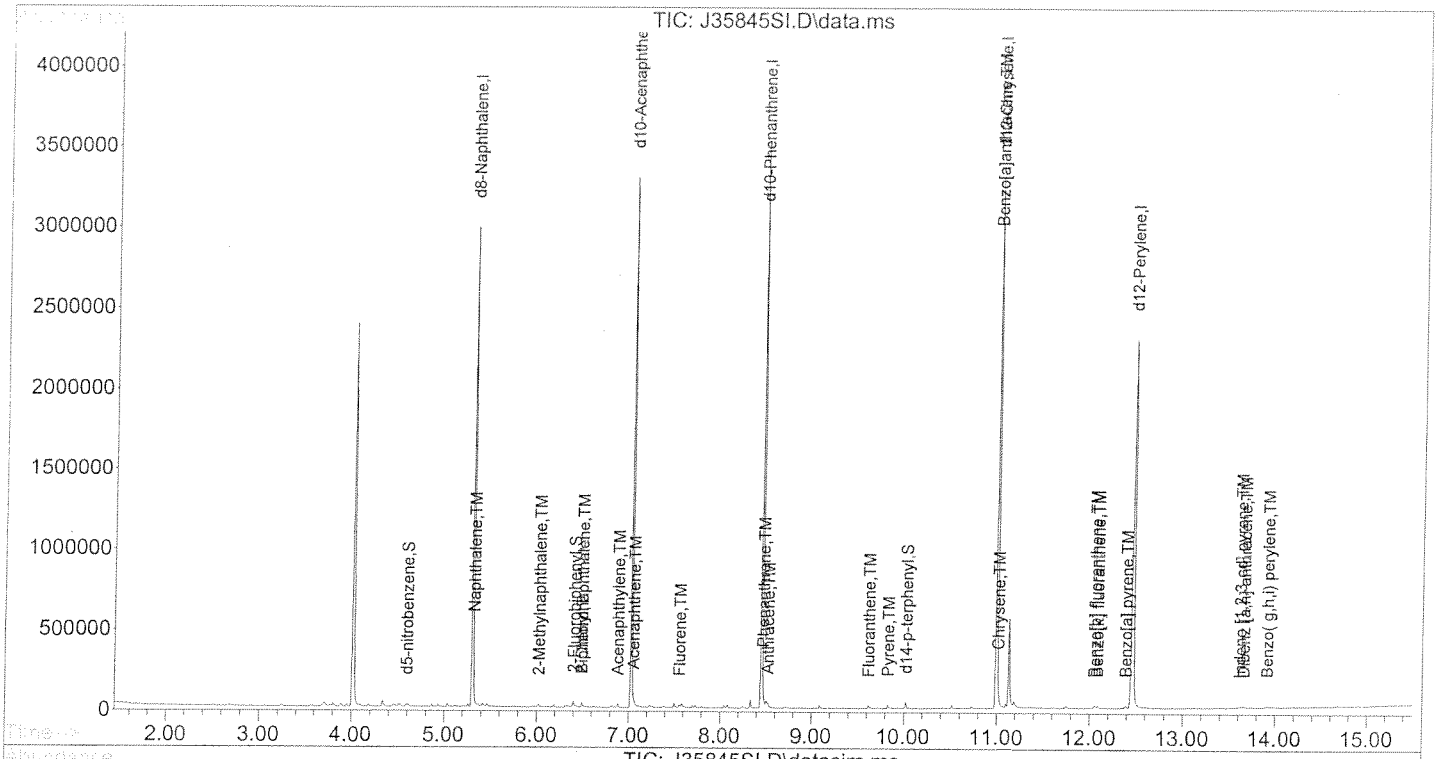
(#) = qualifier out of range (m) = manual integration (+) = signals summed

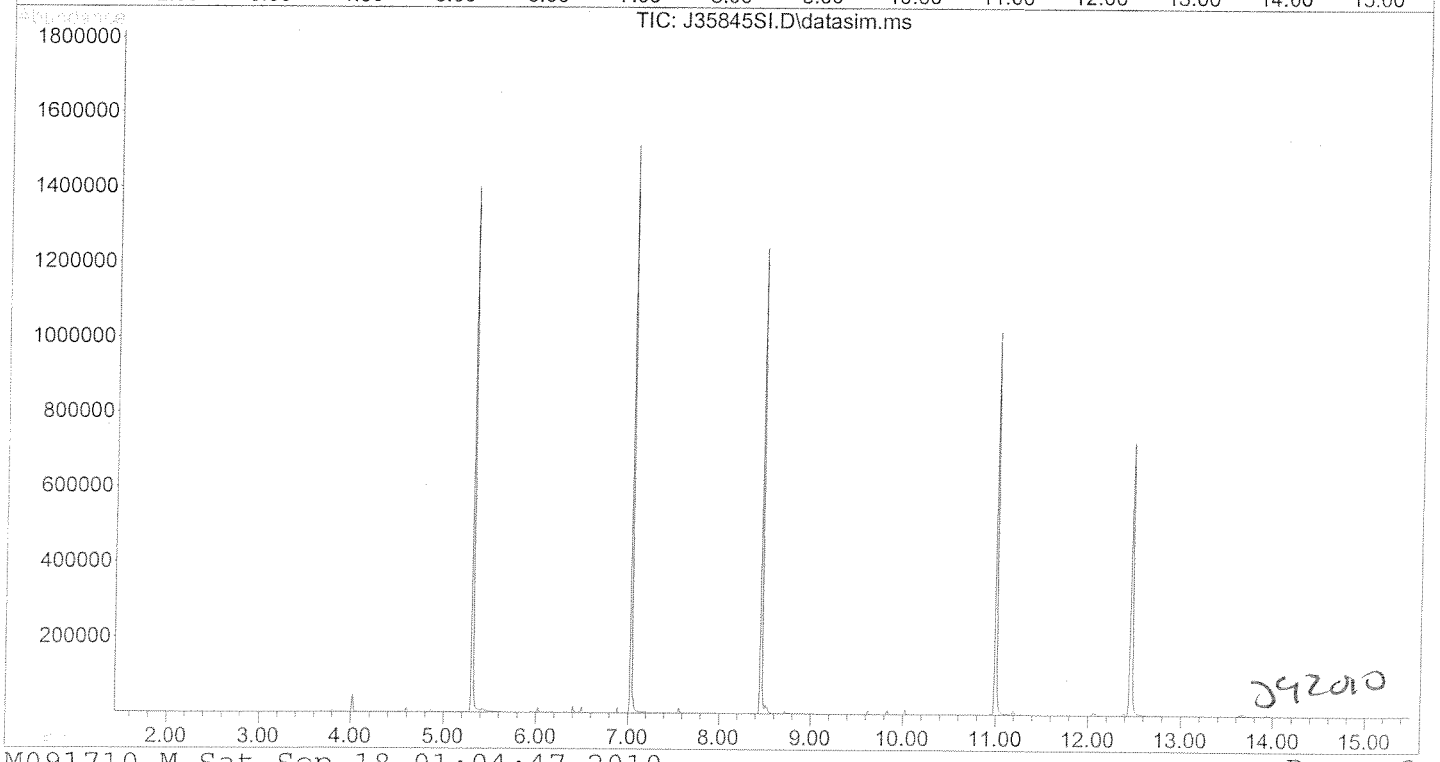
J92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35845SI.D
Acq On : 18 Sep 2010 12:19 am
Operator : AR/MG
Sample : S10117 0.2/0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 01:04:35 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 00:49:43 2010
Response via : Initial Calibration

MN
9/18/10



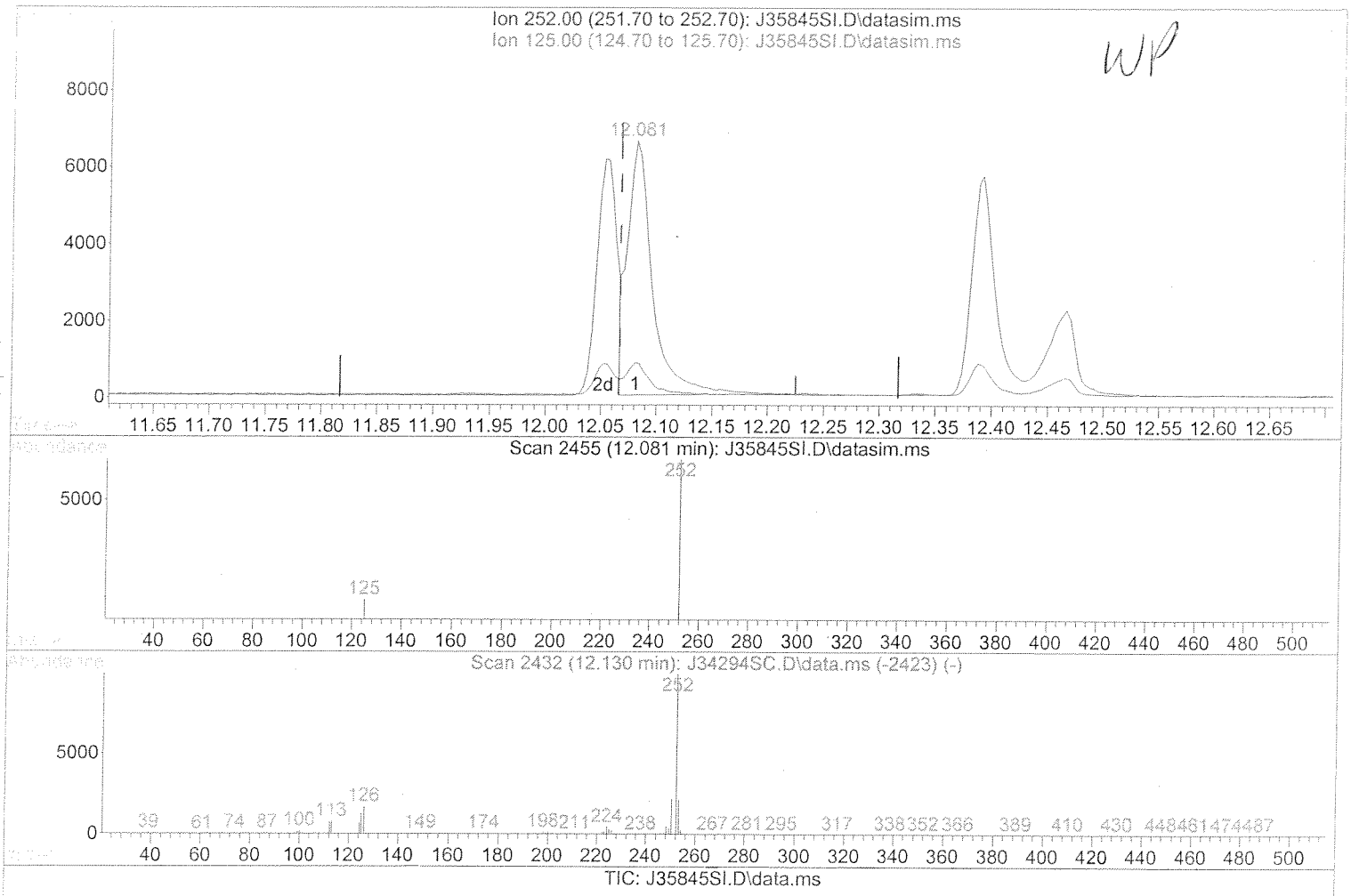


SIM091710.M Sat Sep 18 01:04:47 2010 Page: 2

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35845SI.D
Acq On : 18 Sep 2010 12:19 am
Operator : AR/MG
Sample : S10117 0.2/0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 01:03:50 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 00:49:43 2010
Response via : Initial Calibration

MC 9/18/10



WP

(22) Benzo[b] fluoranthene (TM)

12.081min (+0.014) 0.27ug/ml

response 10318

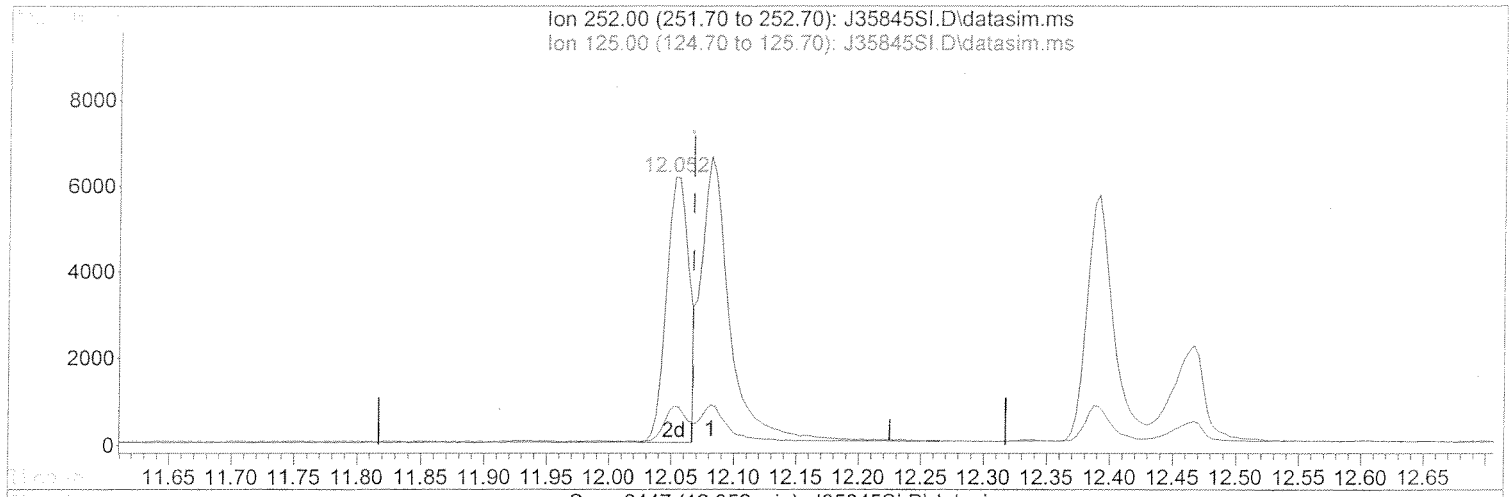
Ion	Exp%	Act%
-252.00	100	100
125.00	13.10	11.85
0.00	0.00	0.00
0.00	0.00	0.00

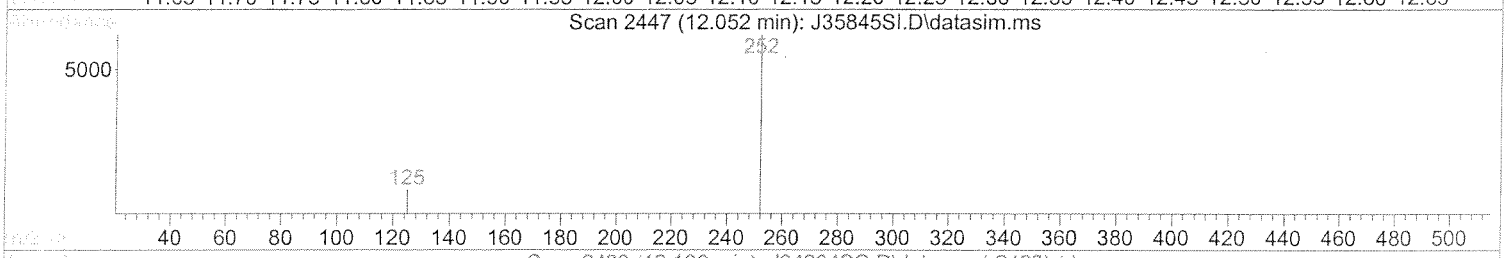
3/9/2010

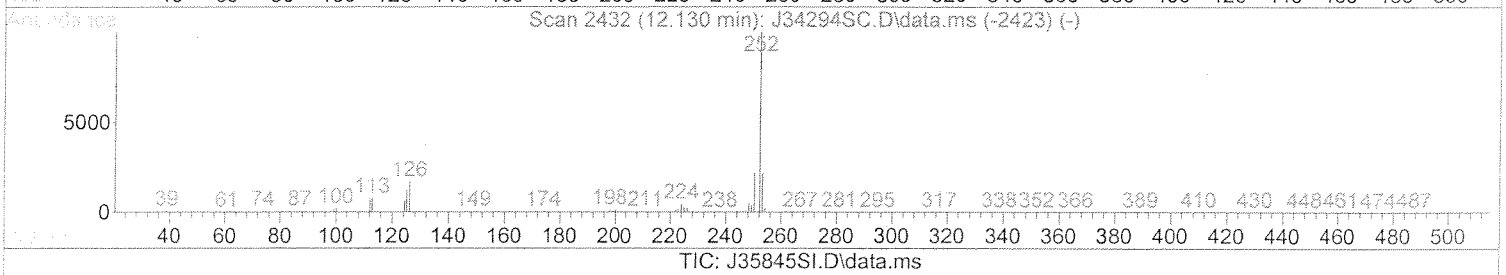
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35845SI.D
Acq On : 18 Sep 2010 12:19 am
Operator : AR/MG
Sample : S10117 0.2/0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 01:03:50 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 00:49:43 2010
Response via : Initial Calibration

MC
9/18/10







TIC: J35845SI.D\data.ms

(22) Benzo[b] fluoranthene (TM)

12.052min (-0.015) 0.20ug/ml m

response 7732

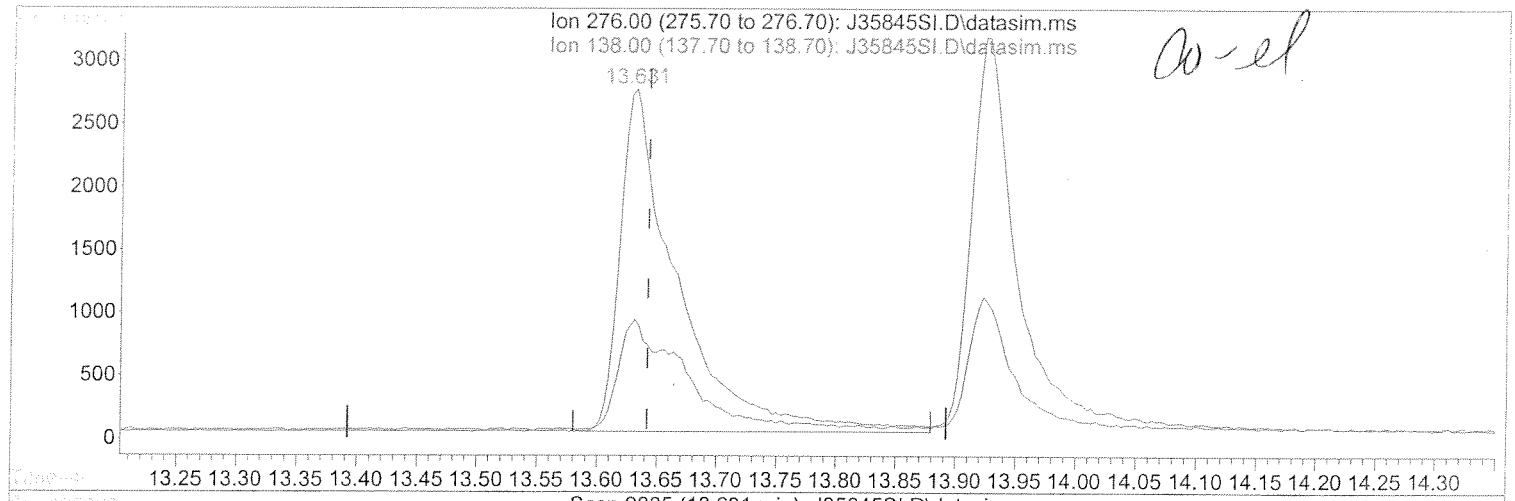
Ion	Exp%	Act%
-252.00	100	100
125.00	13.10	15.82#
0.00	0.00	0.00
0.00	0.00	0.00

J92010

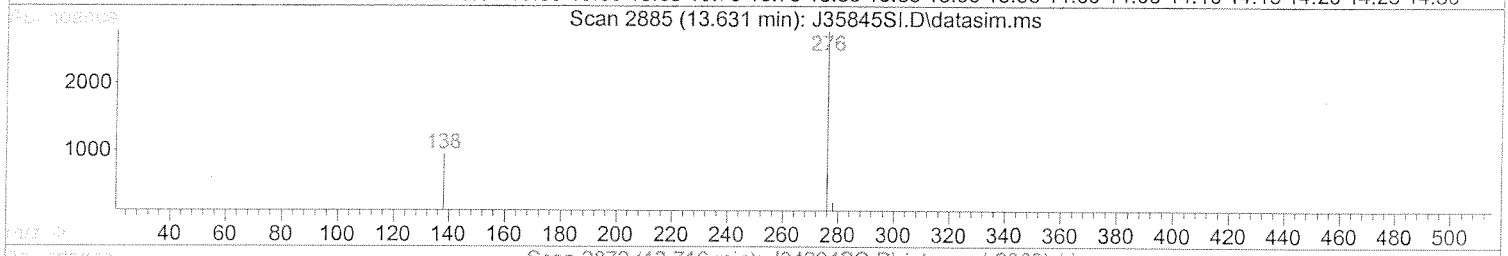
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35845SI.D
Acq On : 18 Sep 2010 12:19 am
Operator : AR/MG
Sample : S10117 0.2/0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

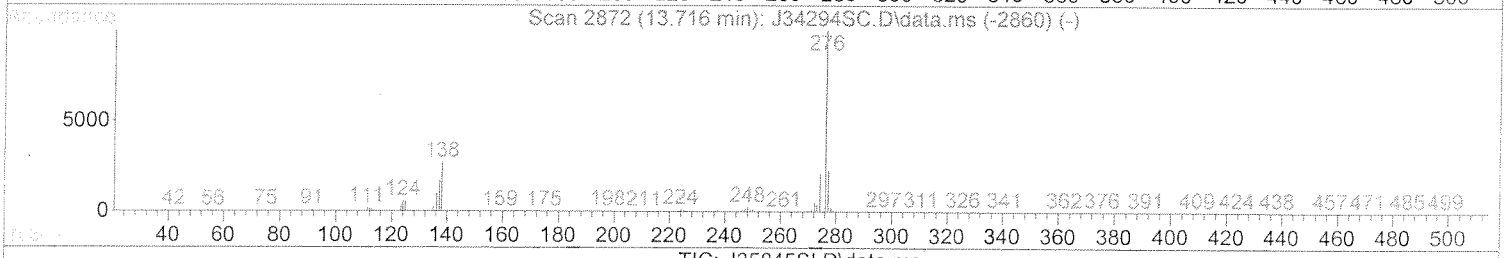
Quant Time: Sep 18 01:03:50 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 00:49:43 2010
Response via : Initial Calibration

MO
9/18/10



Ao-el





TIC: J35845SI.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.631min (-0.011) 0.31ug/ml

response 9166

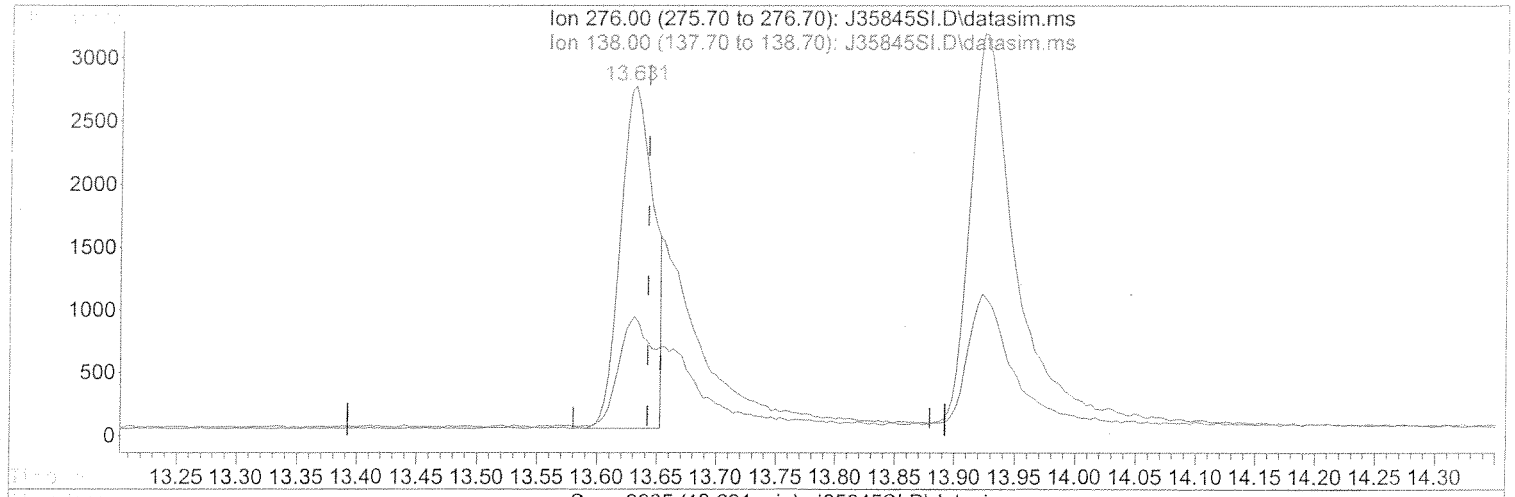
Ion	Exp%	Act%
276.00	100	100
138.00	30.60	36.76#
0.00	0.00	0.00
0.00	0.00	0.00

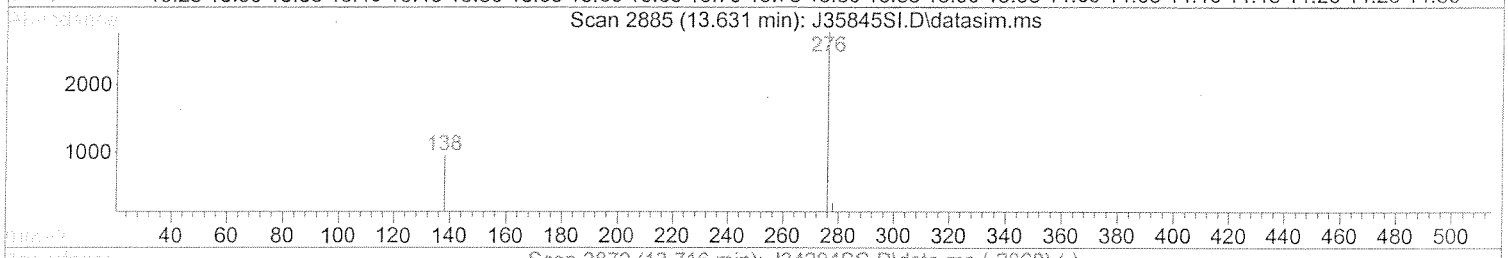
J92010

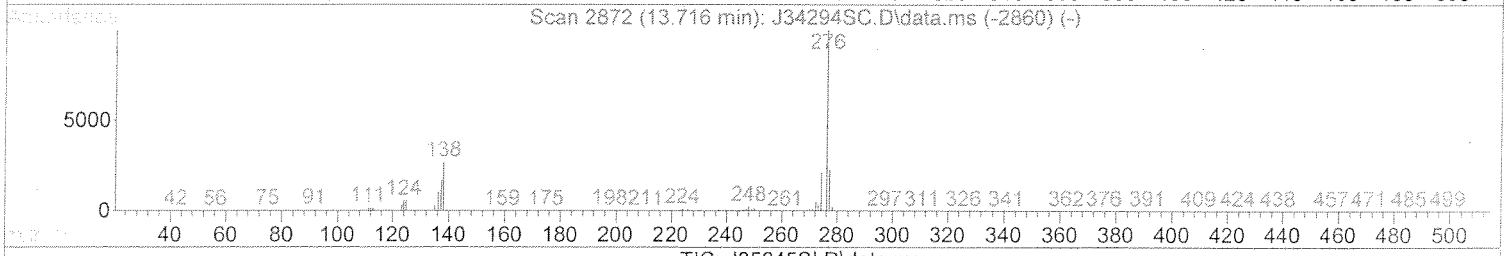
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35845SI.D
Acq On : 18 Sep 2010 12:19 am
Operator : AR/MG
Sample : S10117 0.2/0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 18 01:03:50 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 00:49:43 2010
Response via : Initial Calibration

9/18/10







TIC: J35845SI.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.631min (-0.011) 0.18ug/ml m

response 5295

Ion	Exp%	Act%
-276.00	100	100
138.00	30.60	63.63#
0.00	0.00	0.00
0.00	0.00	0.00

3 92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35846SI.D
Acq On : 18 Sep 2010 12:40 am
Operator : AR/MG
Sample : S10116 1/2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 01:06:08 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:05:31 2010
Response via : Initial Calibration

9/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d8-Naphthalene	5.313	136	1211809	40.00 ug/ml	0.00
5) d10-Acenaphthene	7.030	164	686659	40.00 ug/ml	0.00
11) d10-Phenanthrene	8.458	188	1180518	40.00 ug/ml	0.00
16) d12-Chrysene	11.002	240	1061038	40.00 ug/ml	0.00
21) d12-Perylene	12.467	264	942801	40.00 ug/ml	0.00
System Monitoring Compounds					
2) d5-nitrobenzene	4.592	82	31008	2.10 ug/ml	0.00
Spiked Amount 5.000	Range 21 - 110		Recovery = 42.00%		
6) 2-Fluorobiphenyl	6.397	172	74134	2.18 ug/ml	0.00
Spiked Amount 5.000	Range 44 - 102		Recovery = 43.60%#		
18) d14-p-terphenyl	10.022	244	56434	2.16 ug/ml	0.00
Spiked Amount 5.000	Range 33 - 132		Recovery = 43.20%		
Target Compounds					Qvalue
3) Naphthalene	5.327	128	44877	1.02 ug/ml	100
4) 2-Methylnaphthalene	6.021	141	29973	1.13 ug/ml	100
7) 2-Chloronaphthalene	6.491	162	33997	1.08 ug/ml	100
8) Acenaphthylene	6.885	152	51807	1.05 ug/ml	100
9) Acenaphthene	7.060	154	28728	1.01 ug/ml	100
10) Fluorene	7.559	166	38184	1.07 ug/ml	100
12) Phenanthrene	8.476	178	52181	1.01 ug/ml	100
13) Anthracene	8.526	178	56548	1.06 ug/ml	100
14) Biphenyl	6.487	154	41705	1.08 ug/ml	100
15) Fluoranthene	9.618	202	59315	1.06 ug/ml	100
17) Pyrene	9.827	202	60670	1.03 ug/ml	100
19) Benzo[a]anthracene	10.987	226	11836	0.91 ug/ml	100
20) Chrysene	11.021	228	48842	1.05 ug/ml	100
22) Benzo[b] fluoranthene	12.052	252	43016	1.11 ug/ml	97
23) Benzo[k] fluoranthene	12.081	252	49921	1.08 ug/ml	100
24) Benzo[a] pyrene	12.391	252	44365	1.08 ug/ml	100
25) Indeno [1,2,3-cd] pyrene	13.623	276	30449m	1.02 ug/ml	
26) Dibenz [a,h] anthracene	13.660	278	36172	1.09 ug/ml	100
27) Benzo(g,h,i) perylene	13.919	276	40538	1.08 ug/ml	100

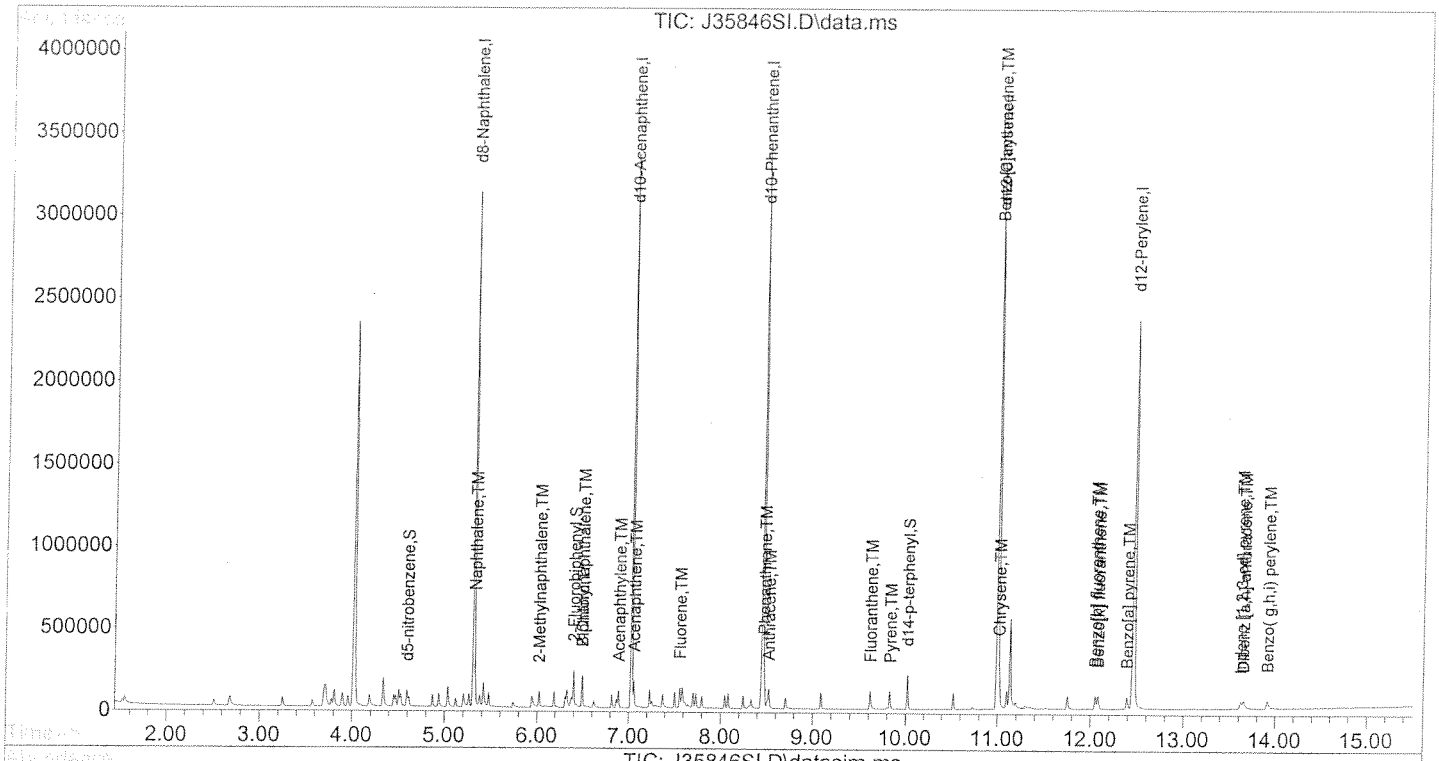
(#) = qualifier out of range (m) = manual integration (+) = signals summed

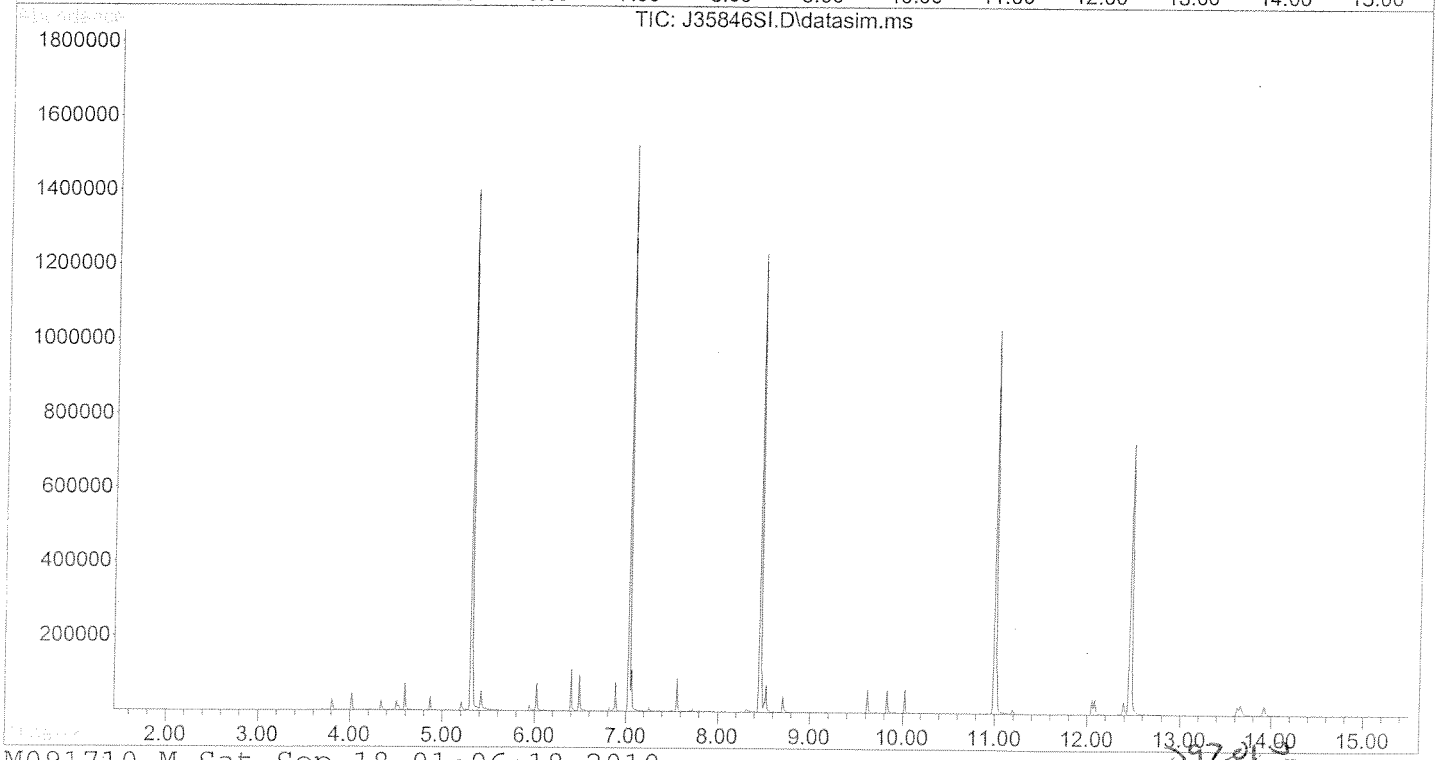
9/2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35846SI.D
Acq On : 18 Sep 2010 12:40 am
Operator : AR/MG
Sample : S10116 1/2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 01:06:08 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:05:31 2010
Response via : Initial Calibration

MR 9/18/10



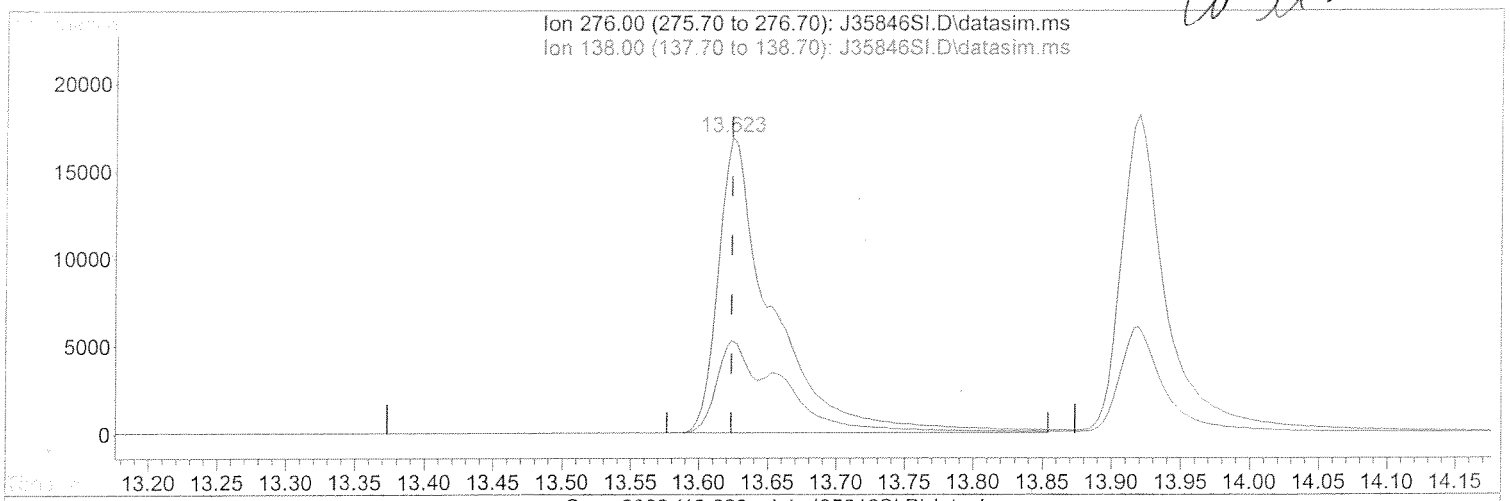


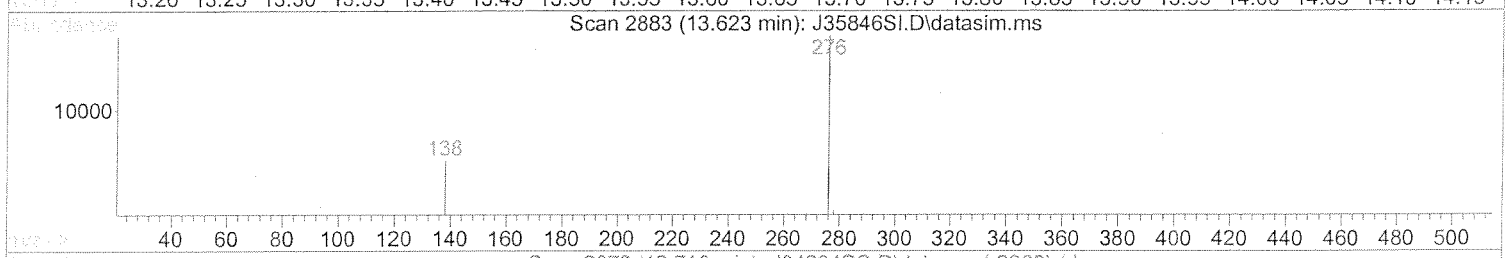
SIM091710.M Sat Sep 18 01:06:18 2010 Page: 2

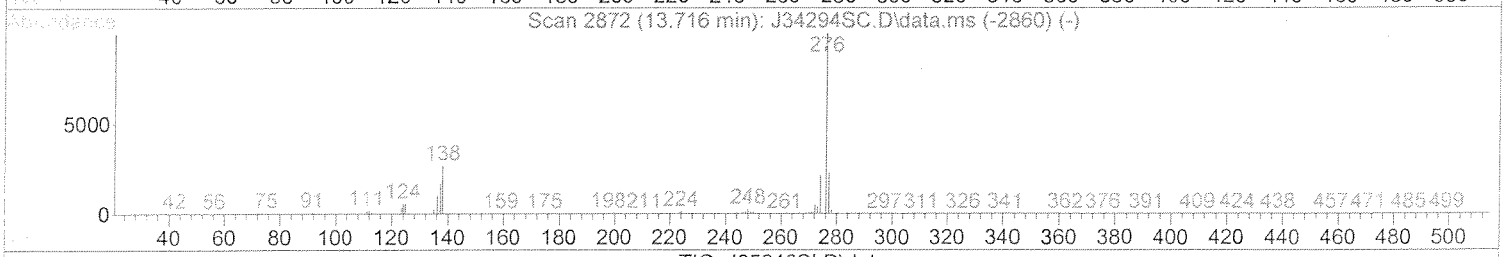
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35846SI.D
Acq On : 18 Sep 2010 12:40 am
Operator : AR/MG
Sample : S10116 1/2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 01:05:34 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:05:31 2010
Response via : Initial Calibration

MN 9/18/10 co-el.







TIC: J35846SI.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.623min (0.000) 1.54ug/ml

response 46167

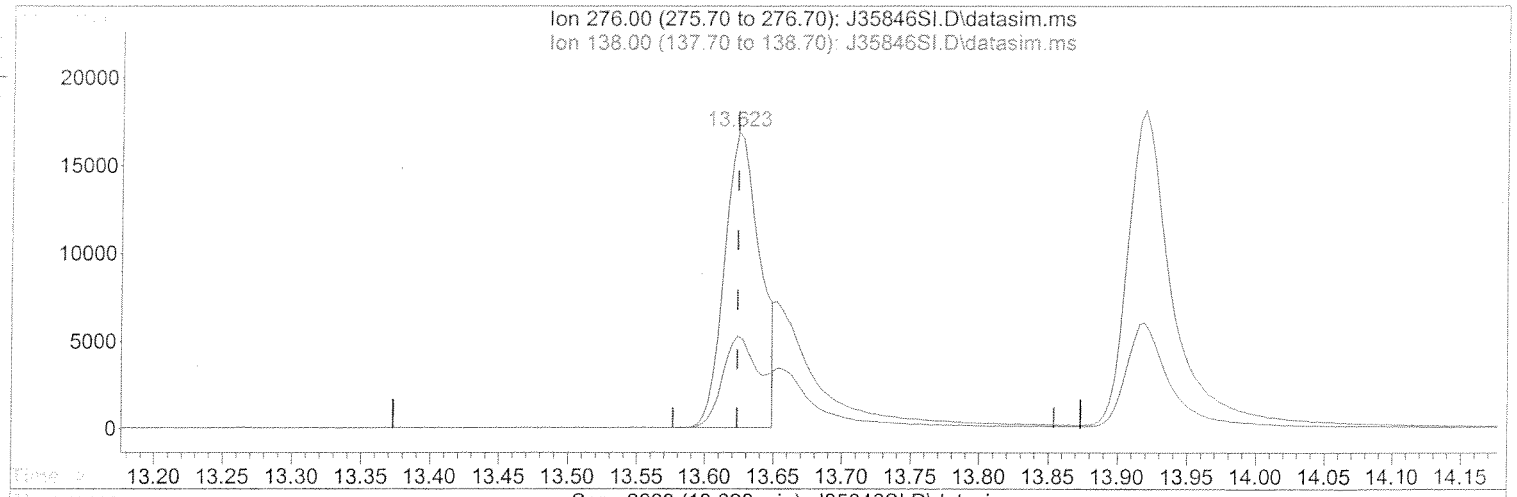
Ion	Exp%	Act%
276.00	100	100
138.00	32.10	20.31#
0.00	0.00	0.00
0.00	0.00	0.00

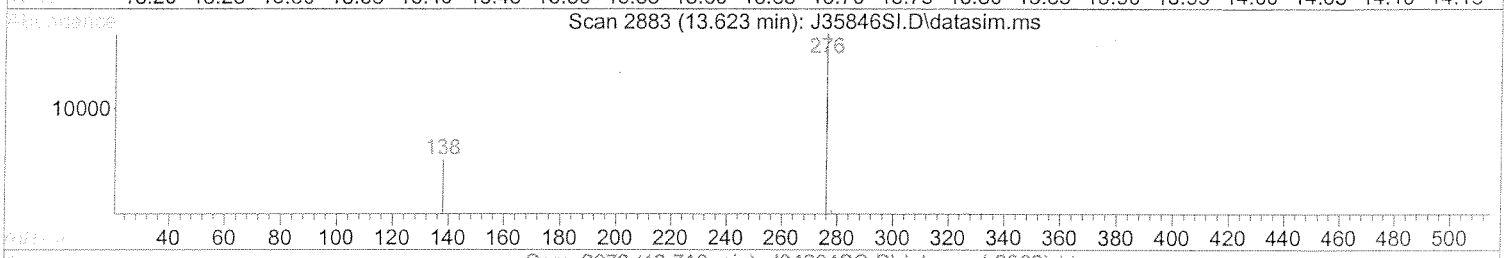
S92010

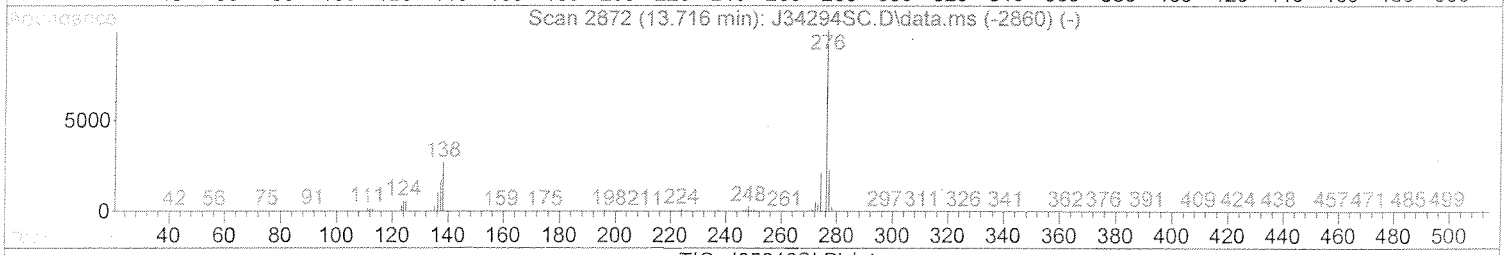
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35846SI.D
Acq On : 18 Sep 2010 12:40 am
Operator : AR/MG
Sample : S10116 1/2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 01:05:34 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:05:31 2010
Response via : Initial Calibration

MN 9/18/10







TIC: J35846SI.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.623min (0.000) 1.02ug/ml m

response 30449

Ion	Exp%	Act%
-276.00	100	100
138.00	32.10	30.80
0.00	0.00	0.00
0.00	0.00	0.00

S92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

MN 9/18/10

Quant Time: Sep 18 02:30:27 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d8-Naphthalene	5.313	136	1221385	40.00	ug/ml	0.00
5) d10-Acenaphthene	7.031	164	669372	40.00	ug/ml	0.00
11) d10-Phenanthrene	8.459	188	1159460	40.00	ug/ml	0.00
16) d12-Chrysene	11.002	240	1046425	40.00	ug/ml	0.00
21) d12-Perylene	12.467	264	939744	40.00	ug/ml	0.00
System Monitoring Compounds						
2) d5-nitrobenzene	4.592	82	58928	3.95	ug/ml	0.00
Spiked Amount 5.000	Range 21 - 110		Recovery = 79.00%			
6) 2-Fluorobiphenyl	6.397	172	134510	4.05	ug/ml	0.00
Spiked Amount 5.000	Range 44 - 102		Recovery = 81.00%			
18) d14-p-terphenyl	10.018	244	104698	4.06	ug/ml	0.00
Spiked Amount 5.000	Range 33 - 132		Recovery = 81.20%			
Target Compounds						Qvalue
3) Naphthalene	5.327	128	88801	2.00	ug/ml	100
4) 2-Methylnaphthalene	6.021	141	59816	2.23	ug/ml	98
7) 2-Chloronaphthalene	6.491	162	63166	2.06	ug/ml	100
8) Acenaphthylene	6.885	152	97189	2.02	ug/ml	100
9) Acenaphthene	7.060	154	54012	1.96	ug/ml	98
10) Fluorene	7.560	166	72056	2.07	ug/ml	98
12) Phenanthrene	8.477	178	97654	1.92	ug/ml	100
13) Anthracene	8.526	178	106826	2.05	ug/ml	100
14) Biphenyl	6.487	154	76683	2.03	ug/ml	100
15) Fluoranthene	9.618	202	116553	2.13	ug/ml	100
17) Pyrene	9.827	202	122778	2.11	ug/ml	99
19) Benzo[a]anthracene	10.983	226	22875	1.79	ug/ml	96
20) Chrysene	11.021	228	95246	2.08	ug/ml	98
22) Benzo[b] fluoranthene	12.049	252	83313	2.15	ug/ml	97
23) Benzo[k] fluoranthene	12.078	252	99320	2.17	ug/ml	100
24) Benzo[a] pyrene	12.388	252	88169	2.15	ug/ml	100
25) Indeno [1,2,3-cd] pyrene	13.624	276	61594m	2.07	ug/ml	
26) Dibenz [a,h] anthracene	13.660	278	71378	2.15	ug/ml	99
27) Benzo(g,h,i) perylene	13.916	276	79542	2.13	ug/ml	99

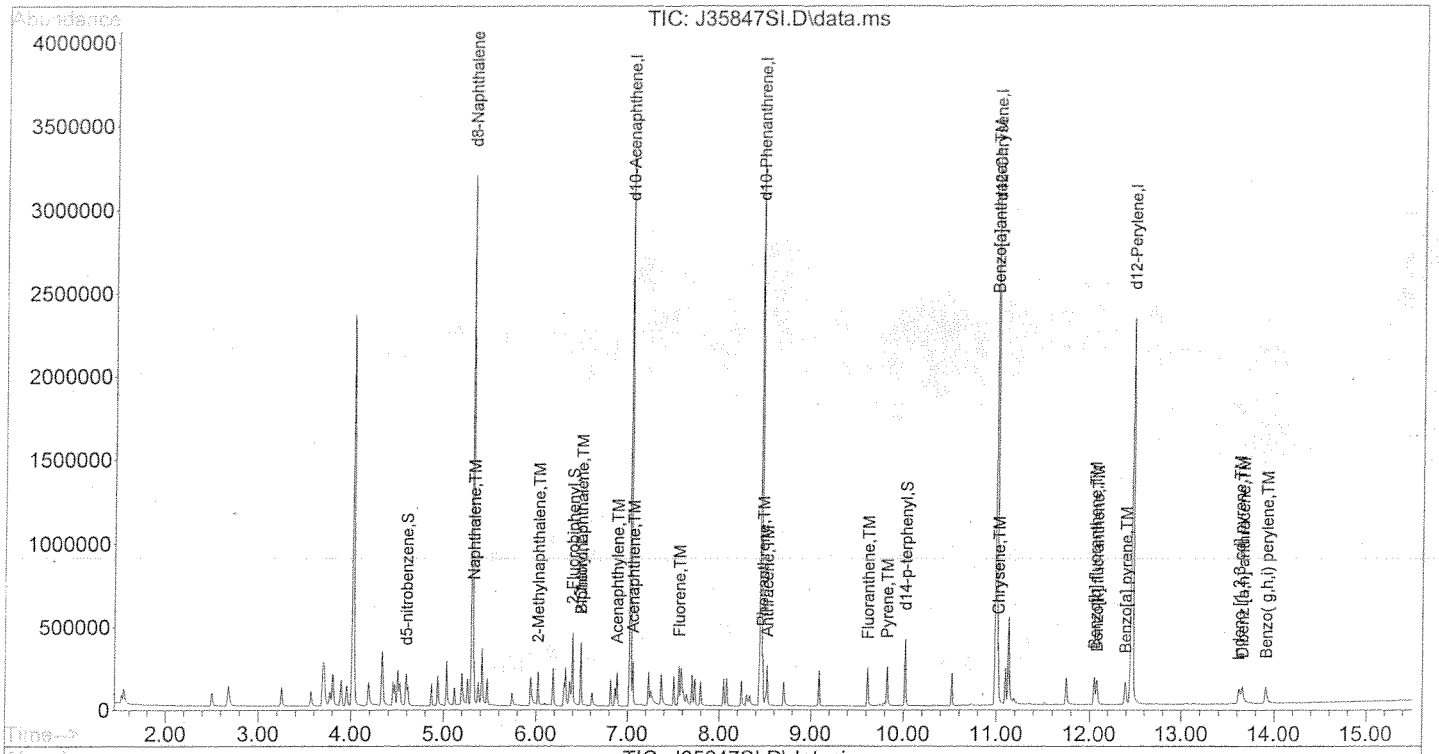
(#) = qualifier out of range (m) = manual integration (+) = signals summed

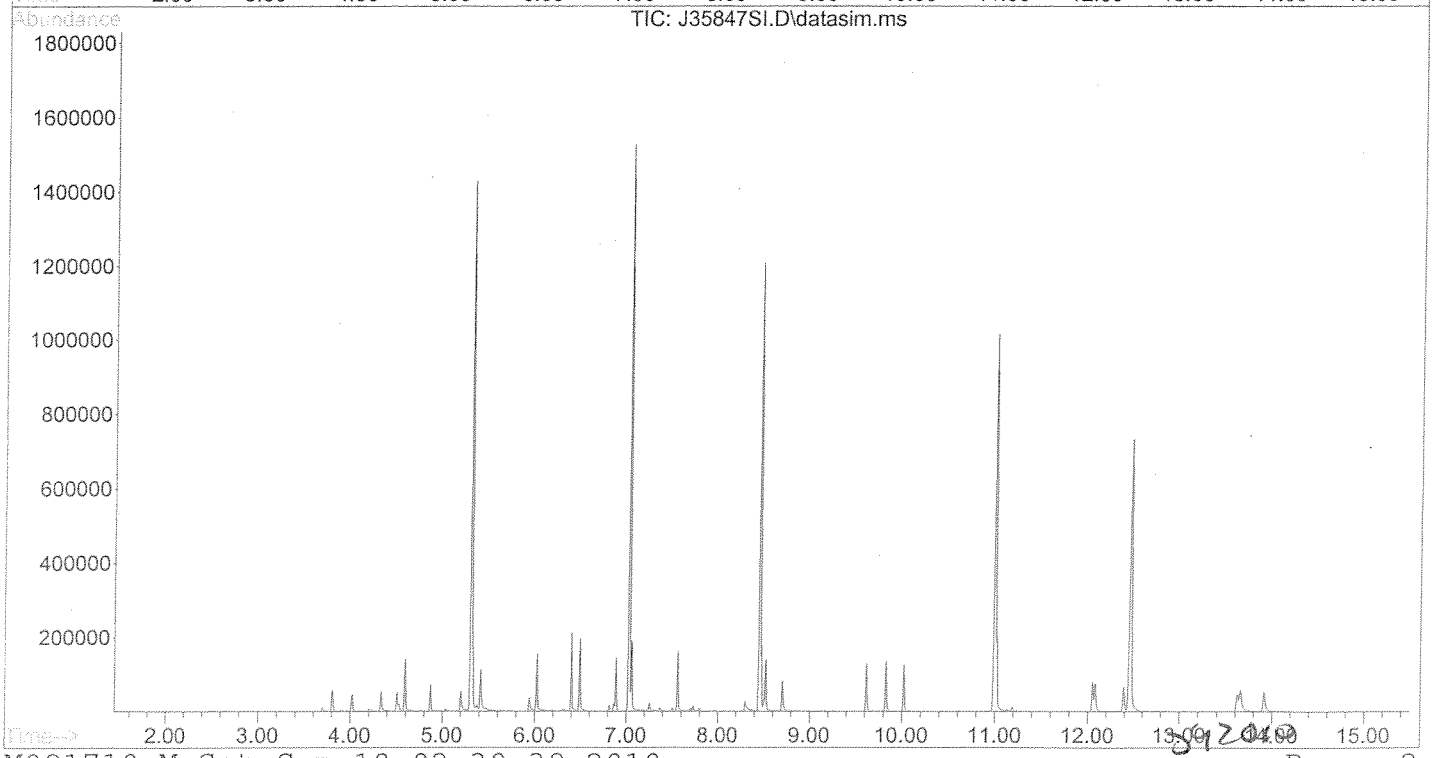
5/9/2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 02:30:27 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

MN
9/18/10



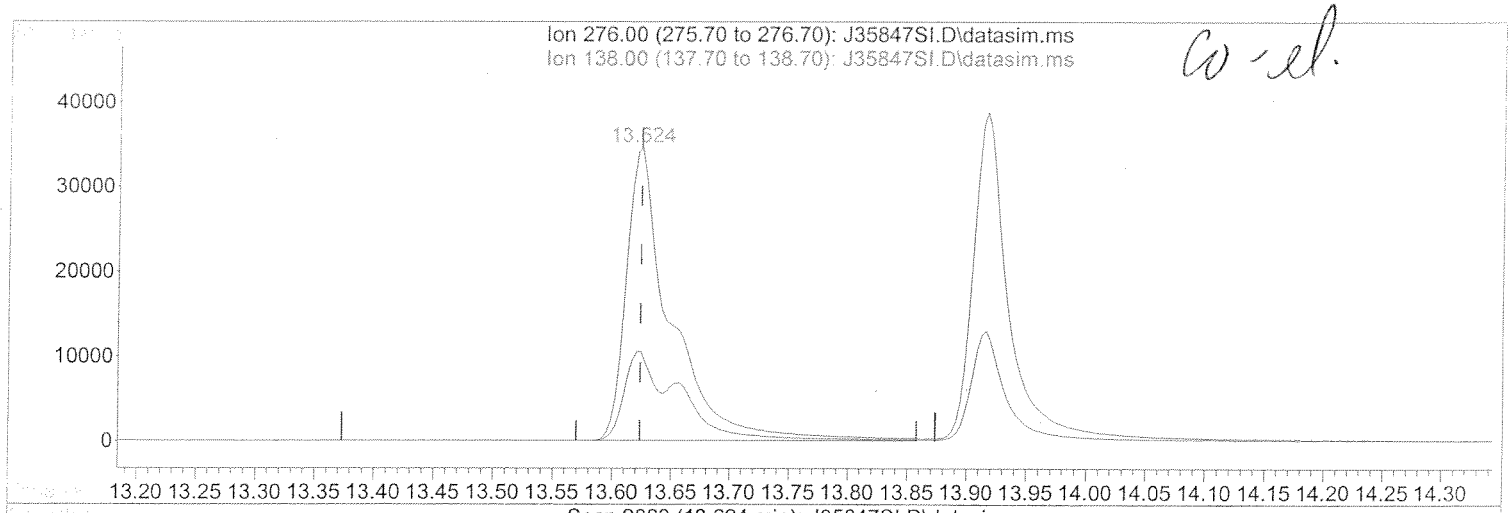


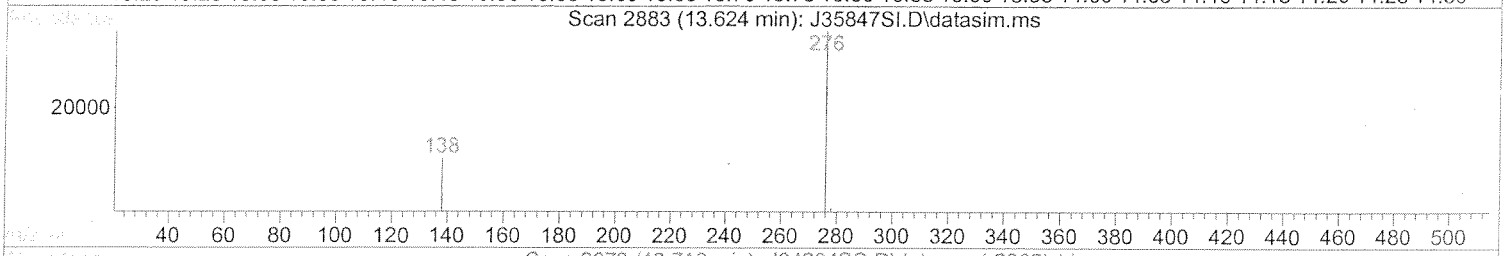
9/20/10

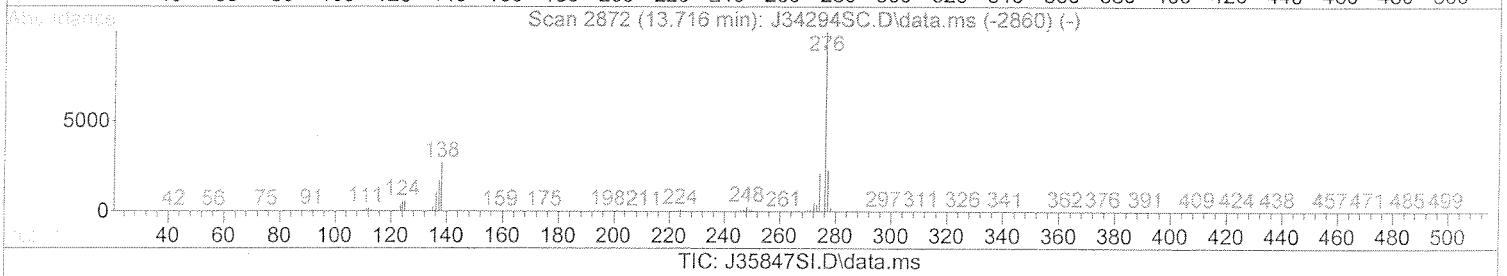
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 02:29:47 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

MW
9/18/10
Co-el.







TIC: J35847SI.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.624min (+0.000) 3.09ug/ml

response 92132

Ion	Exp%	Act%
276.00	100	100
138.00	32.10	20.05#
0.00	0.00	0.00
0.00	0.00	0.00

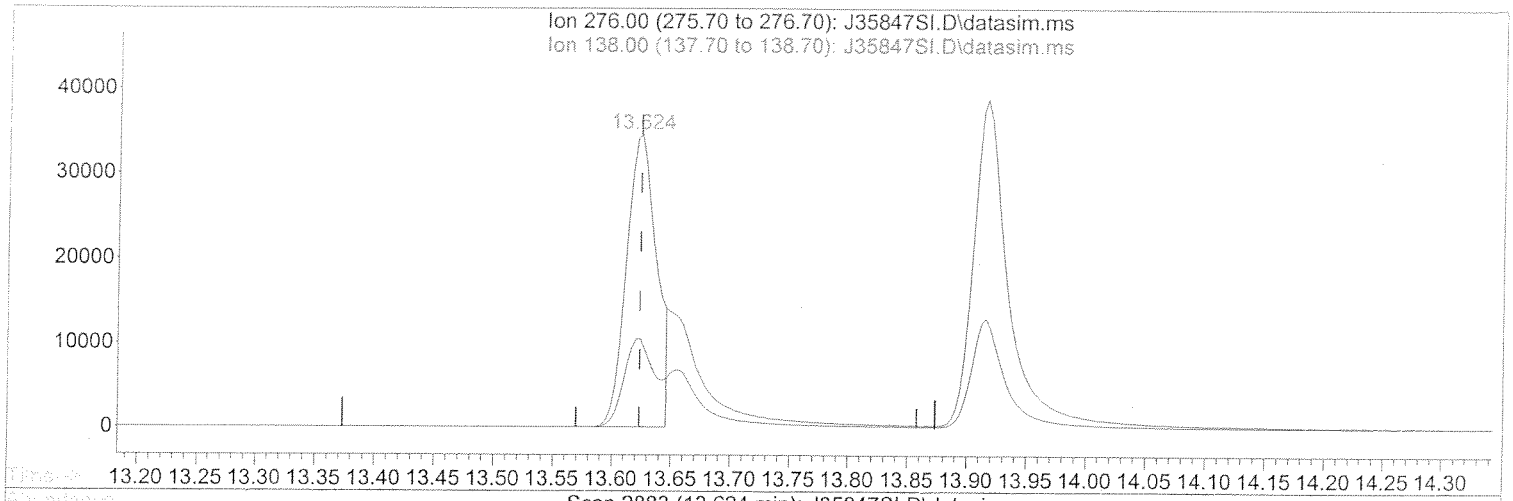
J42010

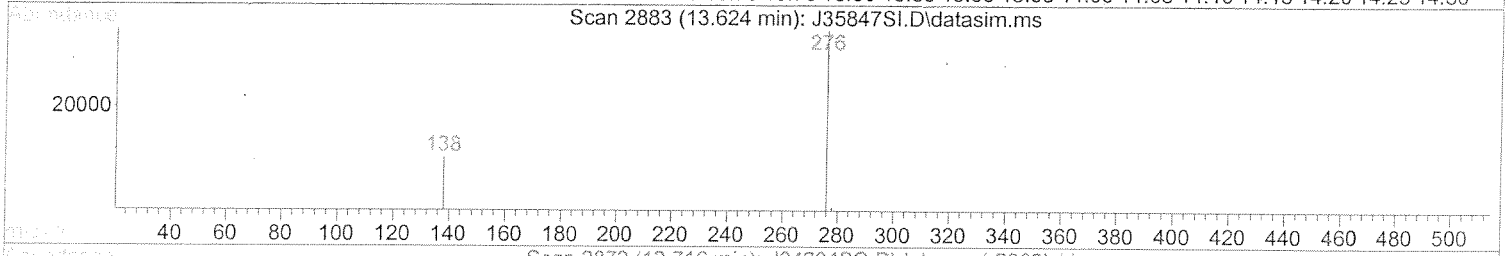
SIM091710.M Sat Sep 18 02:30:11 2010

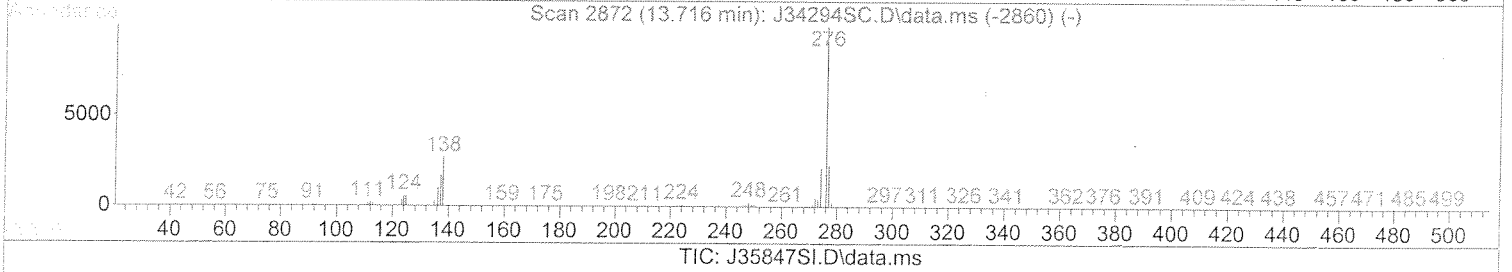
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 02:29:47 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

MV
9/18/10







TIC: J35847SI.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.624min (+0.000) 2.07ug/ml m

response 61594

Ion	Exp%	Act%
-276.00	100	100
138.00	32.10	29.99
0.00	0.00	0.00
0.00	0.00	0.00

8/9/2010

SIM091710.M Sat Sep 18 02:30:31 2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

MC 9/18/10

Quant Time: Sep 18 02:31:26 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d8-Naphthalene	5.313	136	1190306	40.00	ug/ml	0.00
5) d10-Acenaphthene	7.030	164	657325	40.00	ug/ml	0.00
11) d10-Phenanthrene	8.459	188	1127669	40.00	ug/ml	0.00
16) d12-Chrysene	11.002	240	997143	40.00	ug/ml	0.00
21) d12-Perylene	12.467	264	920219	40.00	ug/ml	0.00
System Monitoring Compounds						
2) d5-nitrobenzene	4.592	82	114345	7.87	ug/ml	0.00
Spiked Amount 5.000	Range 21 - 110		Recovery	=	157.40%#	
6) 2-Fluorobiphenyl	6.397	172	245953	7.54	ug/ml	0.00
Spiked Amount 5.000	Range 44 - 102		Recovery	=	150.80%#	
18) d14-p-terphenyl	10.018	244	189459	7.72	ug/ml	0.00
Spiked Amount 5.000	Range 33 - 132		Recovery	=	154.40%#	
Target Compounds						Qvalue
3) Naphthalene	5.327	128	173401	4.00	ug/ml	100
4) 2-Methylnaphthalene	6.021	141	105572	4.05	ug/ml	98
7) 2-Chloronaphthalene	6.491	162	120519	4.01	ug/ml	99
8) Acenaphthylene	6.885	152	186271	3.94	ug/ml	100
9) Acenaphthene	7.060	154	105243	3.88	ug/ml	96
10) Fluorene	7.559	166	137655	4.03	ug/ml	97
12) Phenanthrene	8.477	178	190020	3.83	ug/ml	99
13) Anthracene	8.522	178	205772	4.05	ug/ml	99
14) Biphenyl	6.487	154	144393	3.92	ug/ml	100
15) Fluoranthene	9.614	202	225798	4.23	ug/ml	99
17) Pyrene	9.827	202	233989	4.23	ug/ml	99
19) Benzo[a]anthracene	10.983	226	44457	3.64	ug/ml	96
20) Chrysene	11.021	228	181280	4.16	ug/ml	98
22) Benzo[b] fluoranthene	✓12.048	252	160688	4.23	ug/ml	97
23) Benzo[k] fluoranthene	✓12.077	252	188003	4.19	ug/ml	100
24) Benzo[a] pyrene	12.387	252	176738	4.41	ug/ml	100
25) Indeno [1,2,3-cd] pyrene	13.620	276	127722m	4.38	ug/ml	
26) Dibenz [a,h] anthracene	13.656	278	139183	4.29	ug/ml	99
27) Benzo(g,h,i) perylene	13.912	276	154938	4.24	ug/ml	99

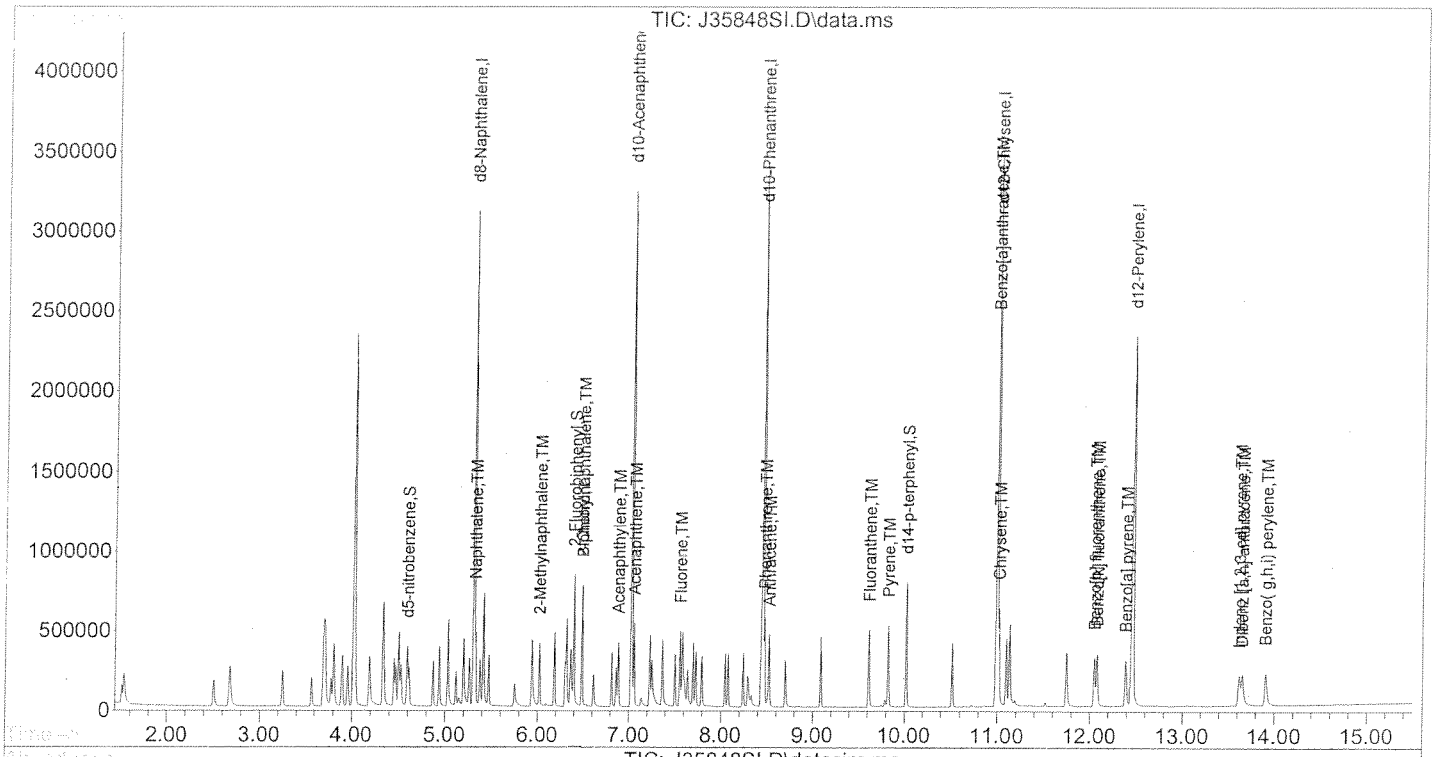
(#) = qualifier out of range (m) = manual integration (+) = signals summed

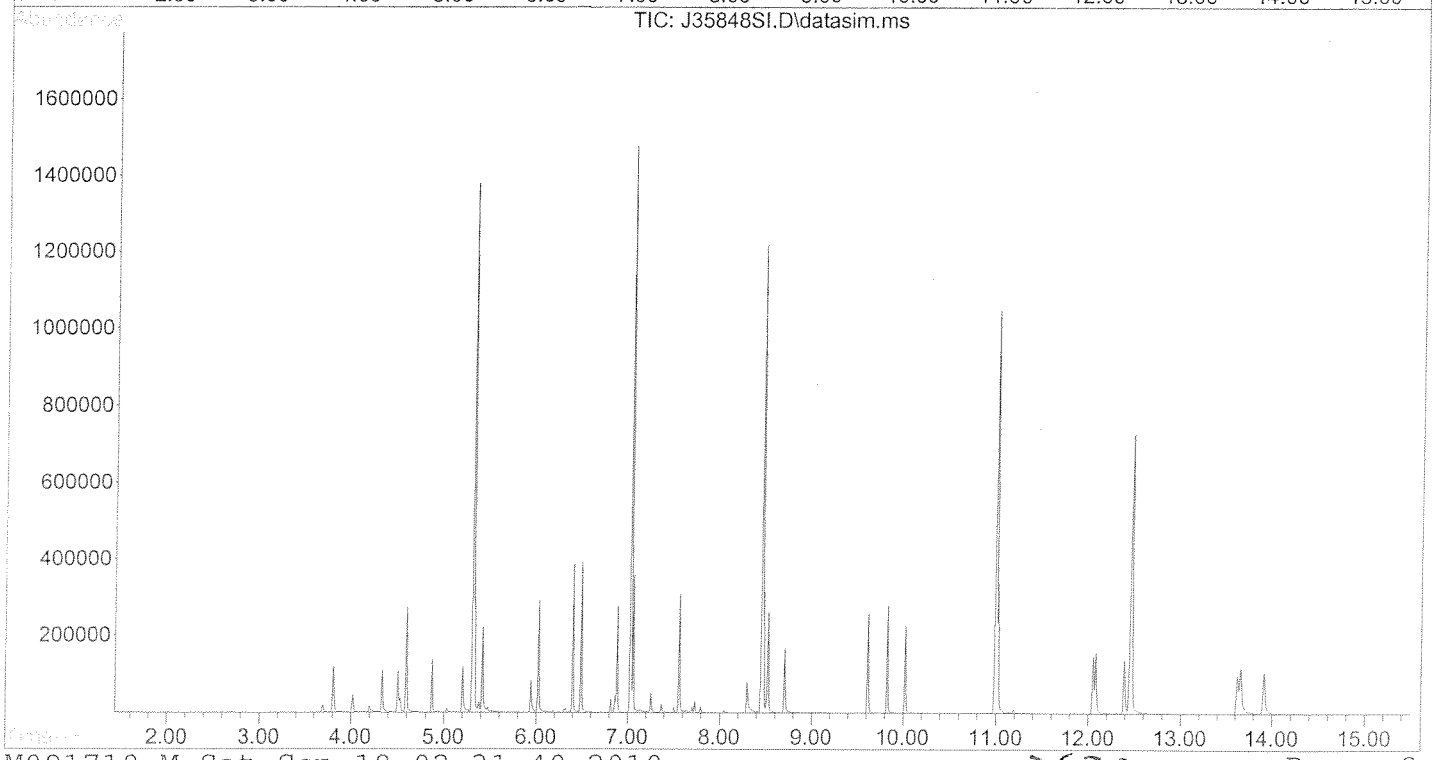
D92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 02:31:26 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

9/18/10



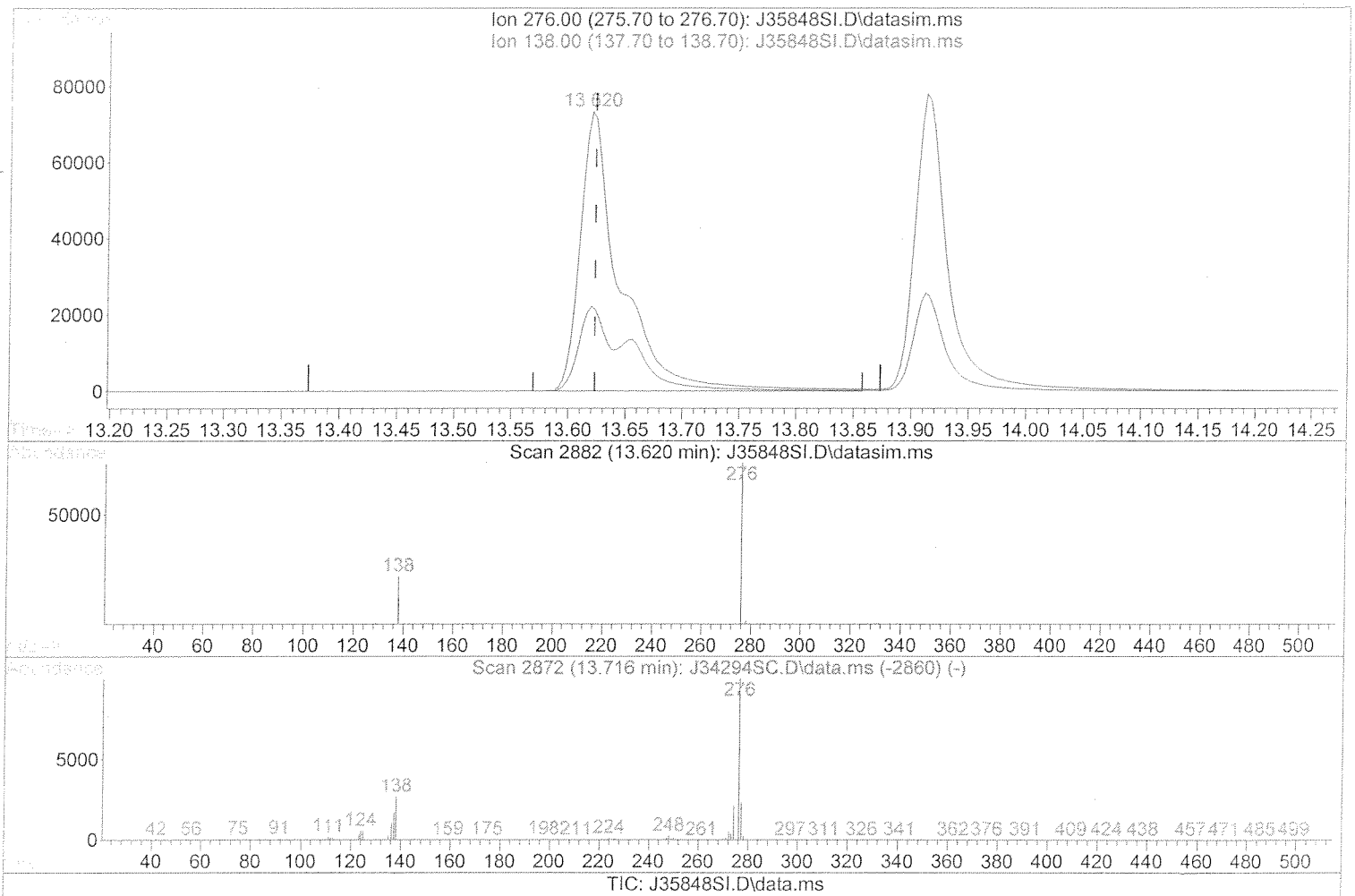


J9210

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 02:30:44 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

MN 9/18/10 ca-el.



(25) Indeno [1,2,3-cd] pyrene (TM)

13.620min (-0.004) 6.16ug/ml

response 179679

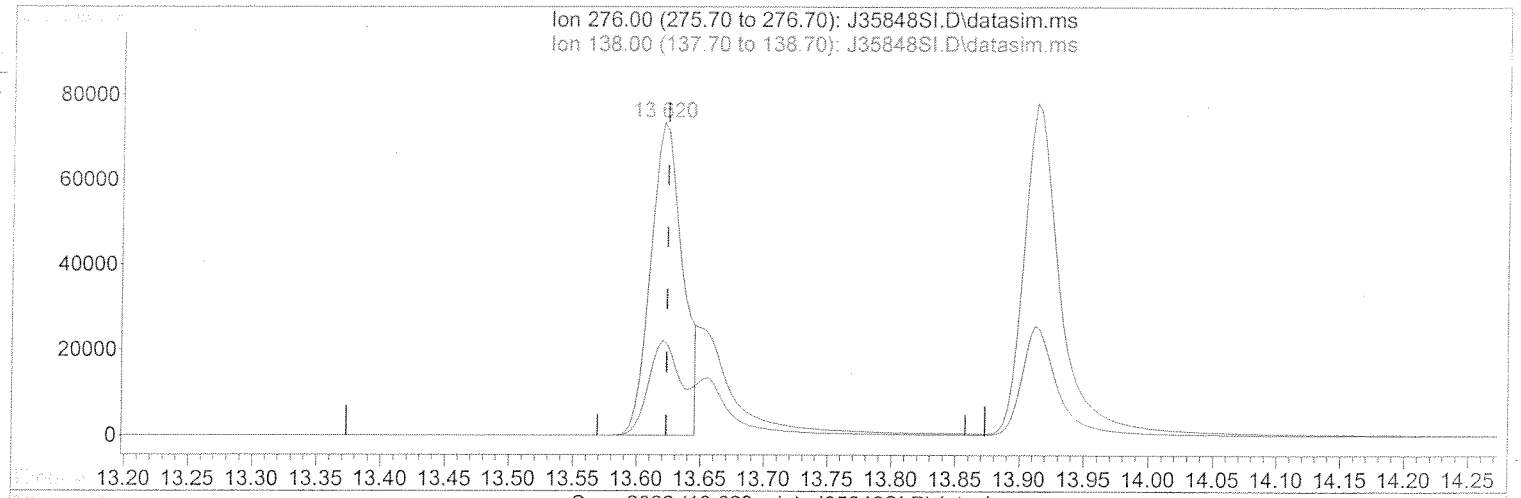
Ion	Exp%	Act%
276.00	100	100
138.00	32.10	21.35#
0.00	0.00	0.00
0.00	0.00	0.00

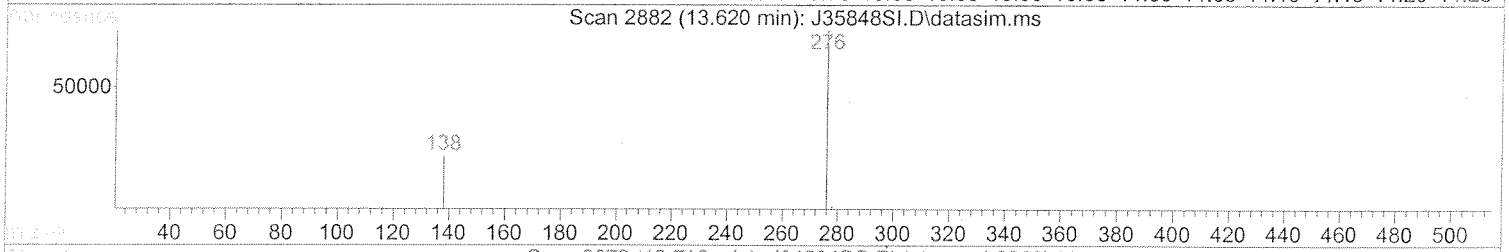
bg2010

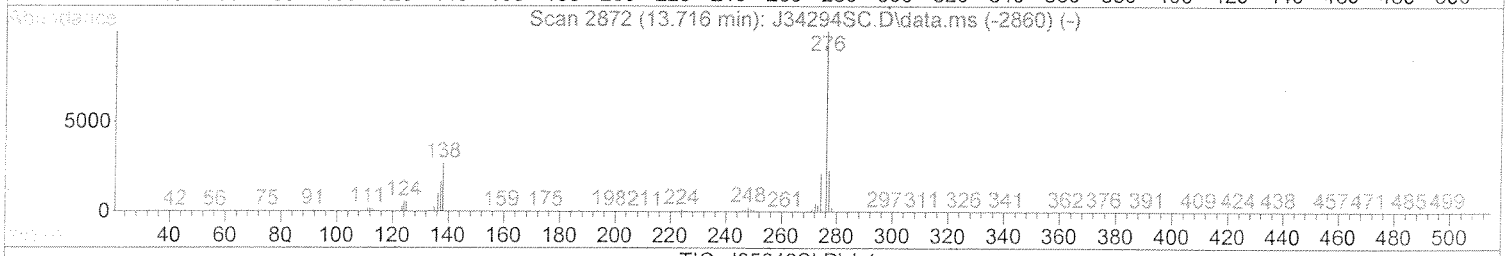
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 02:30:44 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

MV 9/18/10







TIC: J35848SI.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.620min (-0.004) 4.38ug/ml m

response 127722

Ion	Exp%	Act%
-276.00	100	100
138.00	32.10	30.04
0.00	0.00	0.00
0.00	0.00	0.00

SY2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

MC 9/18/10

Quant Time: Sep 18 02:32:18 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d8-Naphthalene	5.313	136	1198764	40.00	ug/ml	0.00
5) d10-Acenaphthene	7.031	164	672205	40.00	ug/ml	0.00
11) d10-Phenanthrene	8.459	188	1162394	40.00	ug/ml	0.00
16) d12-Chrysene	11.006	240	1001884	40.00	ug/ml	0.00
21) d12-Perylene	12.467	264	926661	40.00	ug/ml	0.00
System Monitoring Compounds						
2) d5-nitrobenzene	4.597	82	266222	18.20	ug/ml	0.00
Spiked Amount 5.000	Range 21 - 110		Recovery = 364.00%#			
6) 2-Fluorobiphenyl	6.402	172	516054	15.47	ug/ml	0.00
Spiked Amount 5.000	Range 44 - 102		Recovery = 309.40%#			
18) d14-p-terphenyl	10.022	244	403095	16.34	ug/ml	0.00
Spiked Amount 5.000	Range 33 - 132		Recovery = 326.80%#			
Target Compounds						Qvalue
3) Naphthalene	5.331	128	383995	8.81	ug/ml	98
4) 2-Methylnaphthalene	6.021	141	238004	9.06	ug/ml	98
7) 2-Chloronaphthalene	6.496	162	268412	8.73	ug/ml	99
8) Acenaphthylene	6.885	152	414562	8.57	ug/ml	99
9) Acenaphthene	7.060	154	248803	8.98	ug/ml	96
10) Fluorene	7.560	166	312584	8.94	ug/ml	93
12) Phenanthrene	8.481	178	435514	8.52	ug/ml	98
13) Anthracene	8.526	178	471639	9.01	ug/ml	98
14) Biphenyl	6.491	154	309251	8.15	ug/ml	99
15) Fluoranthene	9.618	202	502430	9.14	ug/ml	100
17) Pyrene	9.827	202	515997	9.28	ug/ml	100
19) Benzo[a]anthracene	10.987	226	102991	8.40	ug/ml	98
20) Chrysene	11.025	228	388519	8.87	ug/ml	98
22) Benzo[b] fluoranthene ✓	12.052	252	382545	10.01	ug/ml	96
23) Benzo[k] fluoranthene	12.081	252	404675	8.95	ug/ml	100
24) Benzo[a] pyrene	12.391	252	396954	9.83	ug/ml	100
25) Indeno [1,2,3-cd] pyrene	13.624	276	310598m	10.57	ug/ml	
26) Dibenz [a,h] anthracene	13.660	278	324528	9.92	ug/ml	100
27) Benzo(g,h,i) perylene	13.919	276	355437	9.67	ug/ml	99

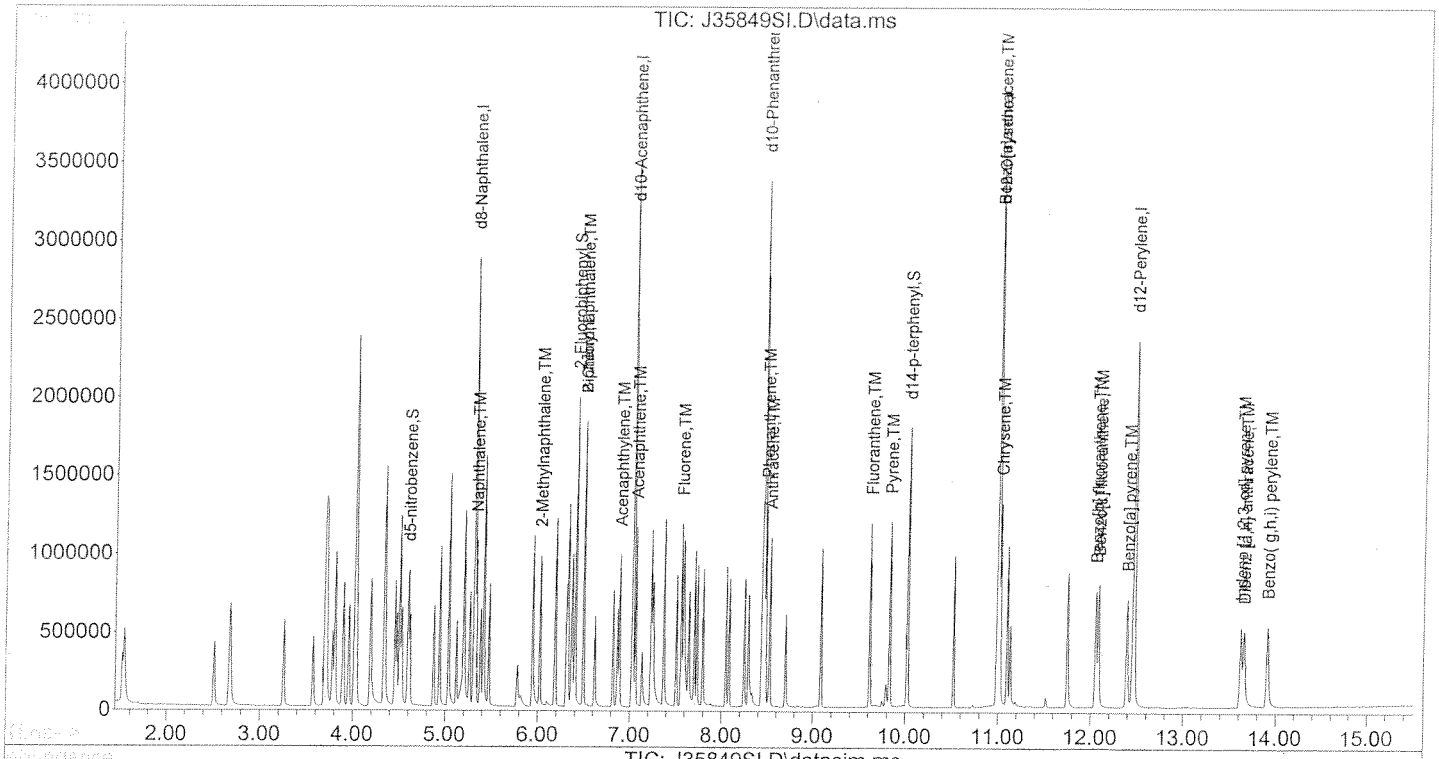
(#) = qualifier out of range (m) = manual integration (+) = signals summed

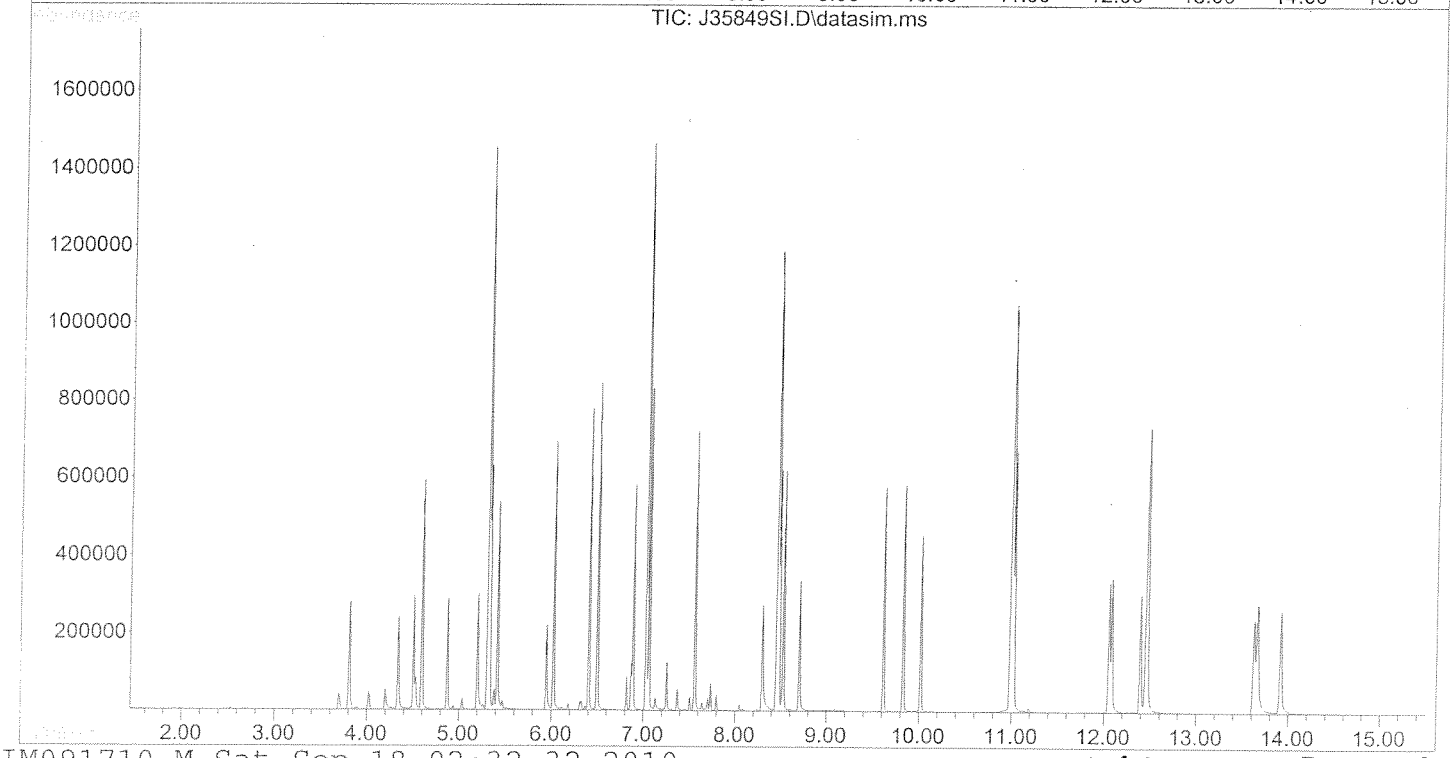
J92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 02:32:18 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

9/18/10





SIM091710.M Sat Sep 18 02:32:32 2010 Page: 2

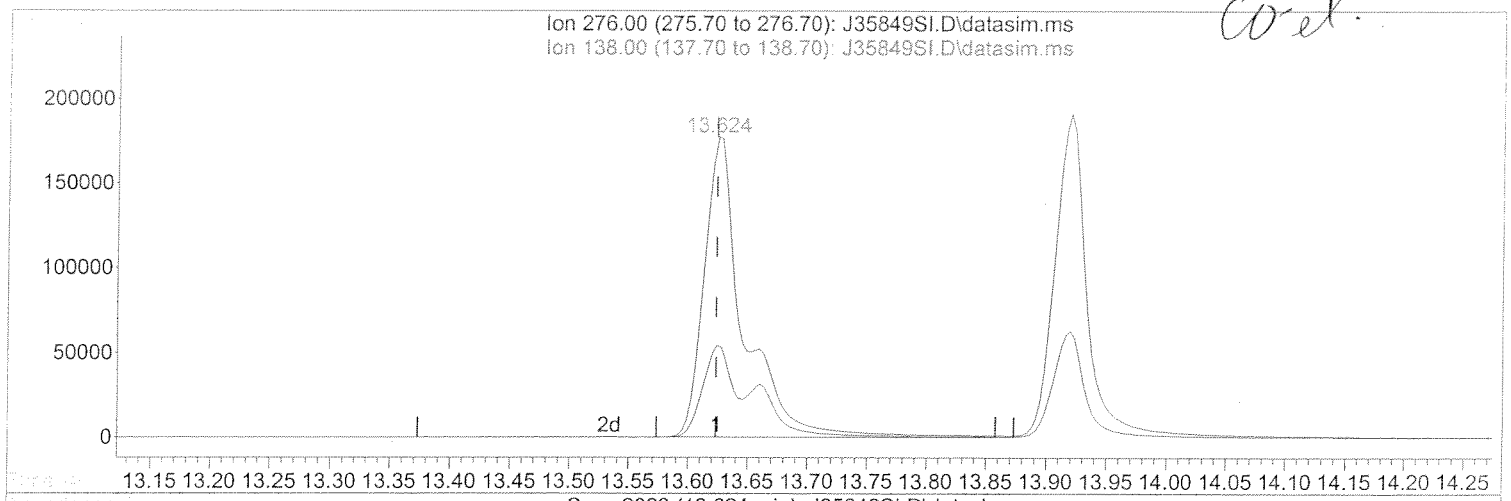
092010

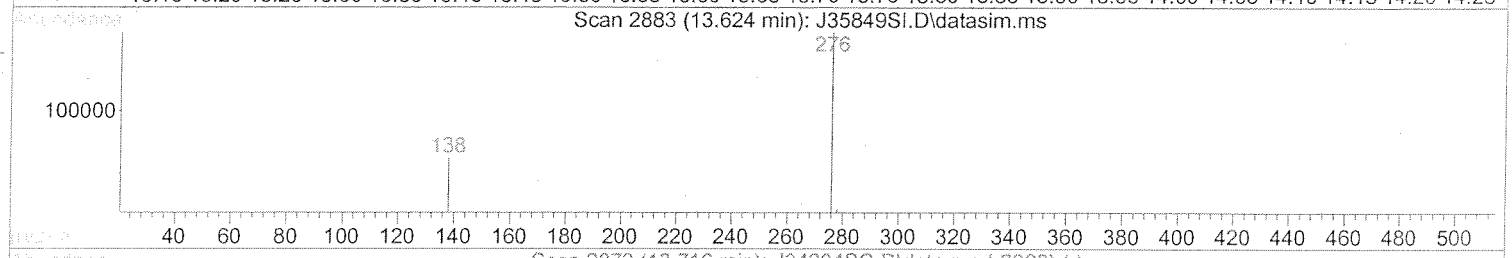
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

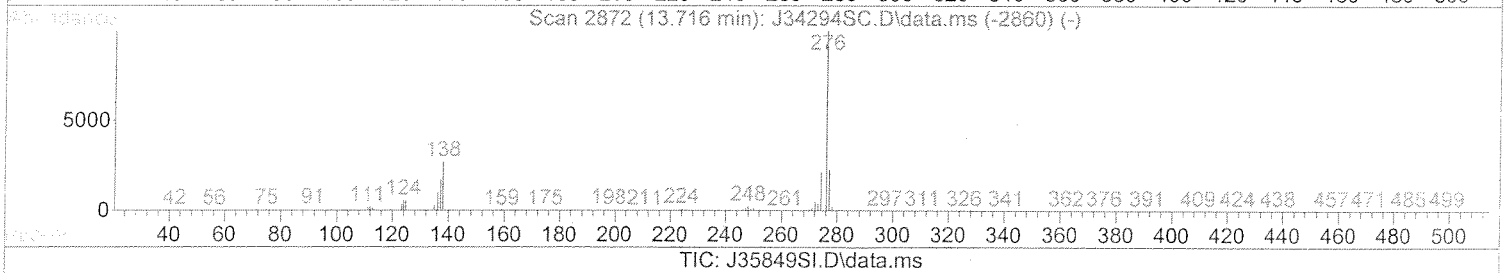
Quant Time: Sep 18 02:31:47 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

MV 9/18/10

co-el.







TIC: J35849SI.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.624min (+0.000) 14.09ug/ml

response 413915

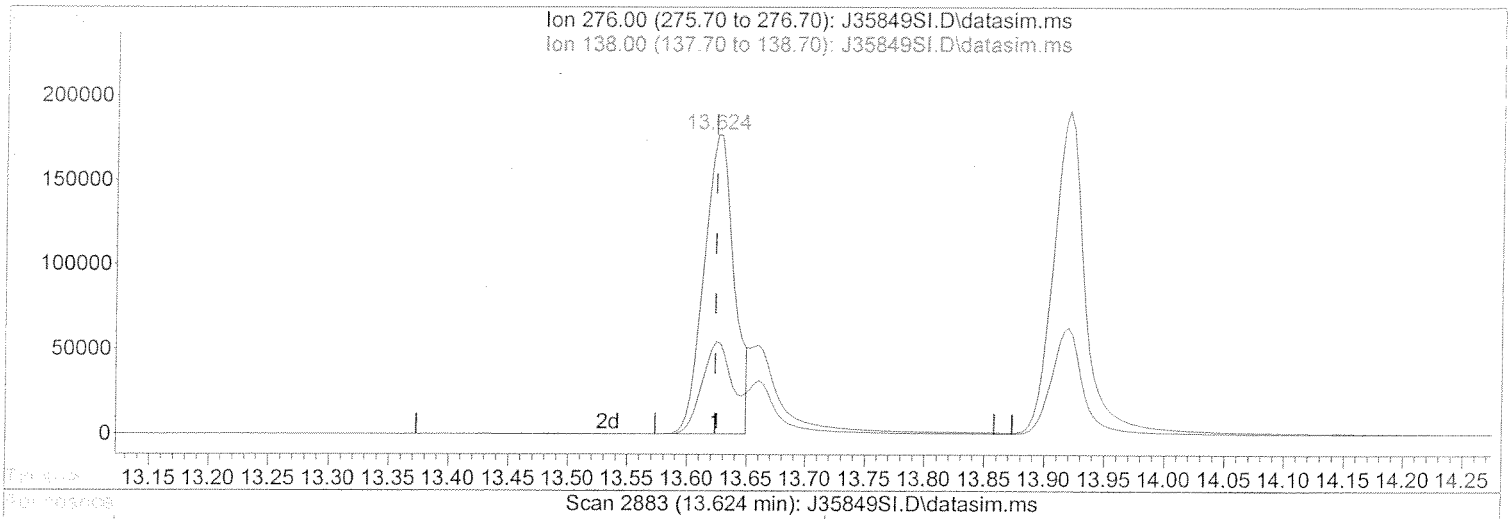
Ion	Exp%	Act%
-276.00	100	100
138.00	32.10	22.74#
0.00	0.00	0.00
0.00	0.00	0.00

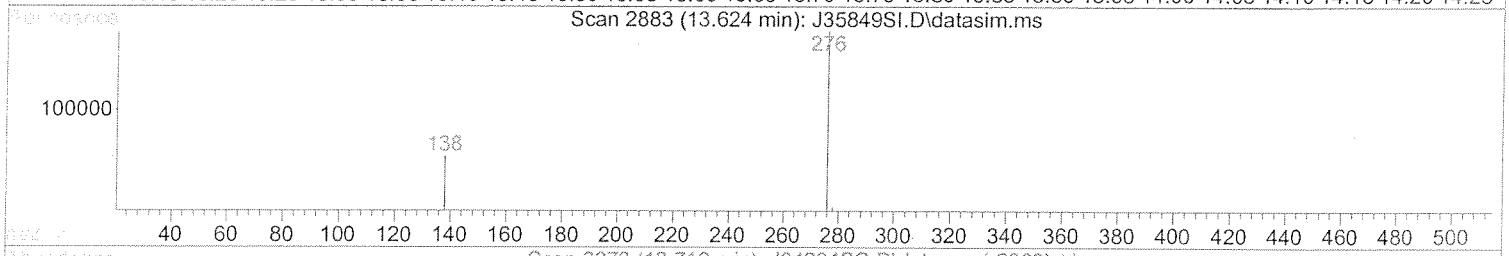
J92010

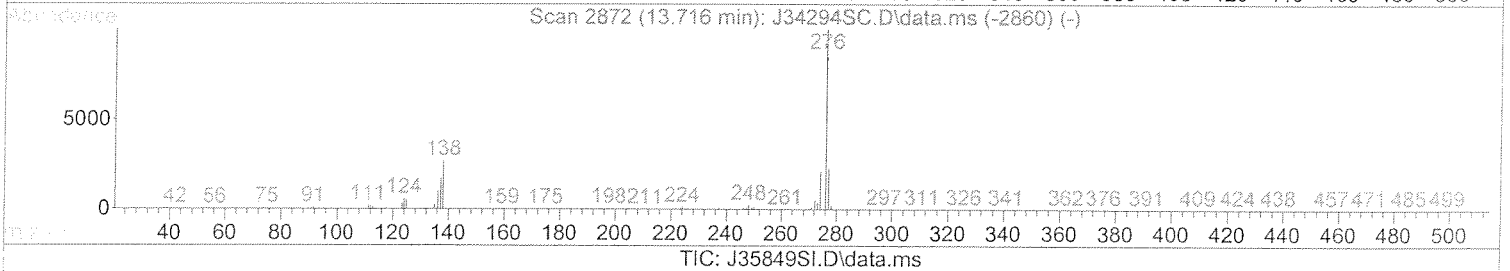
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 02:31:47 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

MV
9/18/10







TIC: J35849SI.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.624min (+0.000) 10.57ug/ml m

response 310598

Ion	Exp%	Act%
-276.00	100	100
138.00	32.10	30.30
0.00	0.00	0.00
0.00	0.00	0.00

392010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 02:33:15 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

MN 9/18/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d8-Naphthalene	5.317	136	1232375	40.00	ug/ml	0.00
5) d10-Acenaphthene	7.035	164	671827	40.00	ug/ml	0.00
11) d10-Phenanthrene	8.463	188	1176367	40.00	ug/ml	0.00
16) d12-Chrysene	11.006	240	954648	40.00	ug/ml	0.00
21) d12-Perylene	12.470	264	919074	40.00	ug/ml	0.00
System Monitoring Compounds						
2) d5-nitrobenzene	4.602	82	477254	31.74	ug/ml	0.00
Spiked Amount 5.000	Range 21 - 110		Recovery = 634.80%#			
6) 2-Fluorobiphenyl	6.406	172	859401	25.78	ug/ml	0.00
Spiked Amount 5.000	Range 44 - 102		Recovery = 515.60%#			
18) d14-p-terphenyl	10.025	244	668222	28.44	ug/ml	0.00
Spiked Amount 5.000	Range 33 - 132		Recovery = 568.80%#			
Target Compounds						Qvalue
3) Naphthalene	5.336	128	703627	15.70	ug/ml	96
4) 2-Methylnaphthalene	6.021	141	421259	15.60	ug/ml	95
7) 2-Chloronaphthalene	6.496	162	474303	15.43	ug/ml	100
8) Acenaphthylene	6.890	152	737326	15.25	ug/ml	98
9) Acenaphthene	7.064	154	444388	16.04	ug/ml	97
10) Fluorene	7.564	166	536927	15.36	ug/ml	91
12) Phenanthrene	8.481	178	761046	14.71	ug/ml	98
13) Anthracene	8.531	178	815561	15.39	ug/ml	98
14) Biphenyl	6.491	154	517203	13.46	ug/ml	100
15) Fluoranthene	9.621	202	845199	15.19	ug/ml	99
17) Pyrene	9.831	202	878484	16.57	ug/ml	99
19) Benzo[a]anthracene	10.987	226	179849	15.39	ug/ml	98
20) Chrysene	11.028	228	686187	16.43	ug/ml	99
22) Benzo[b] fluoranthene	12.059	252	704307	18.58	ug/ml	97
23) Benzo[k] fluoranthene	12.088	252	688918	15.36	ug/ml	99
24) Benzo[a] pyrene	12.398	252	707822	17.68	ug/ml	99
25) Indeno [1,2,3-cd] pyrene	13.634	276	570496m	19.58	ug/ml	
26) Dibenz [a,h] anthracene	13.670	278	578163	17.83	ug/ml	100
27) Benzo(g,h,i) perylene	13.930	276	634277	17.40	ug/ml	100

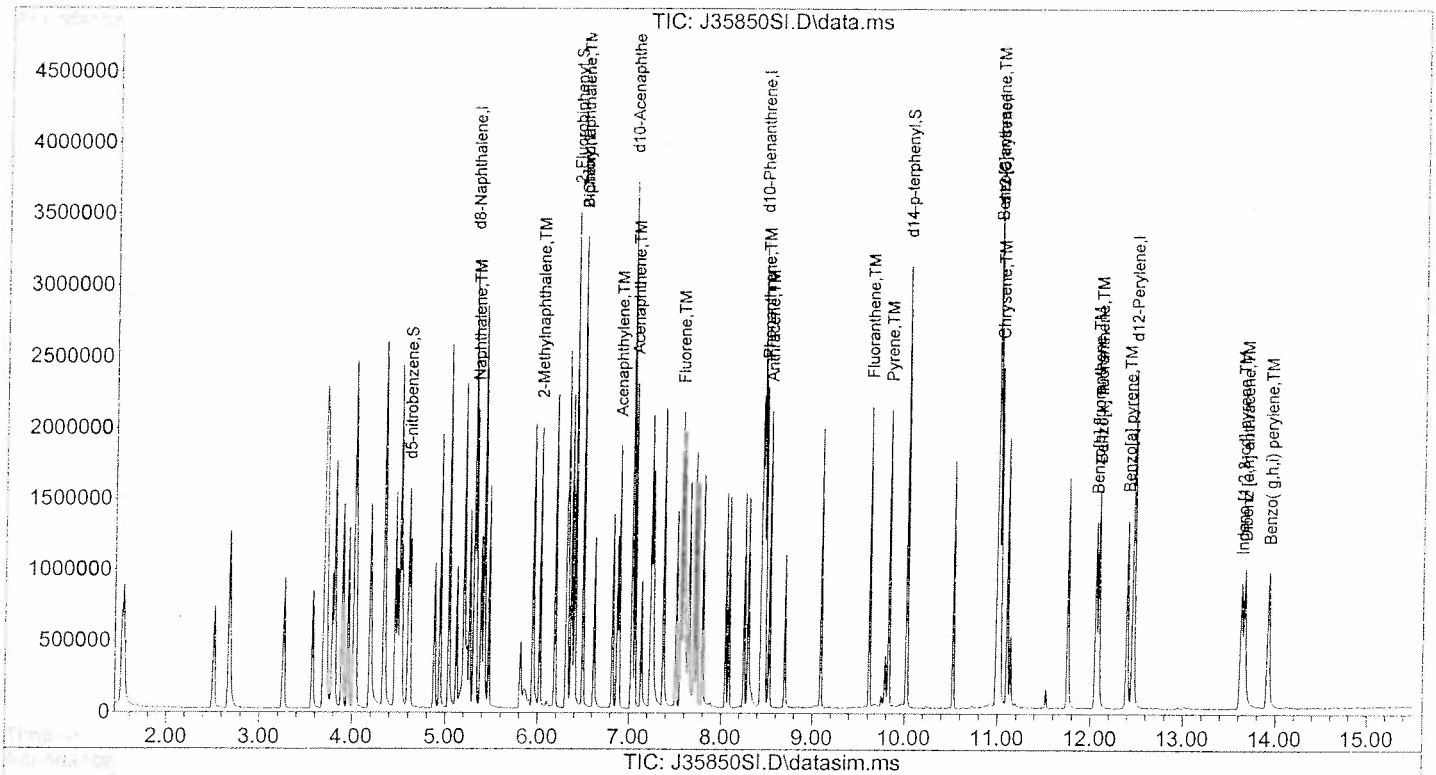
(#) = qualifier out of range (m) = manual integration (+) = signals summed

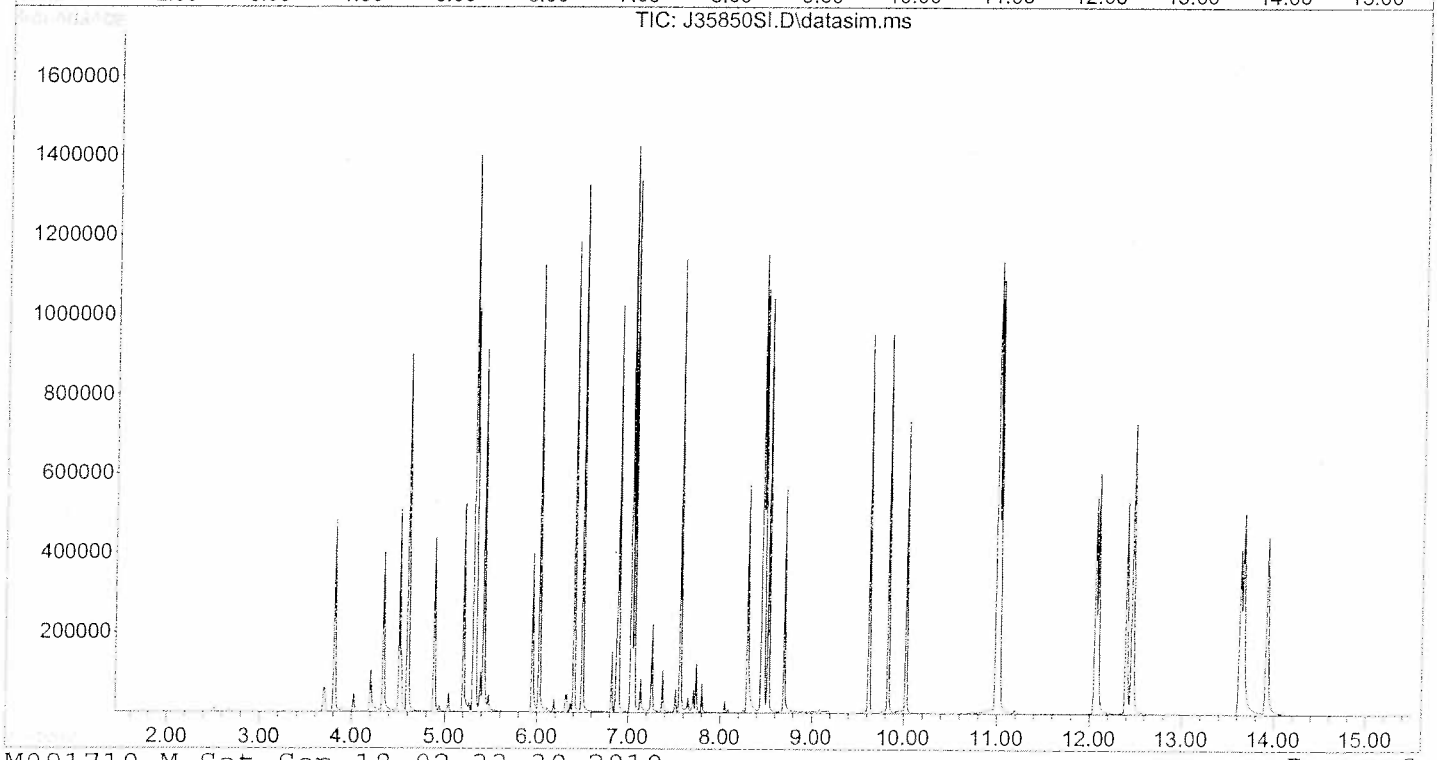
JG 2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 02:33:15 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

9/18/10





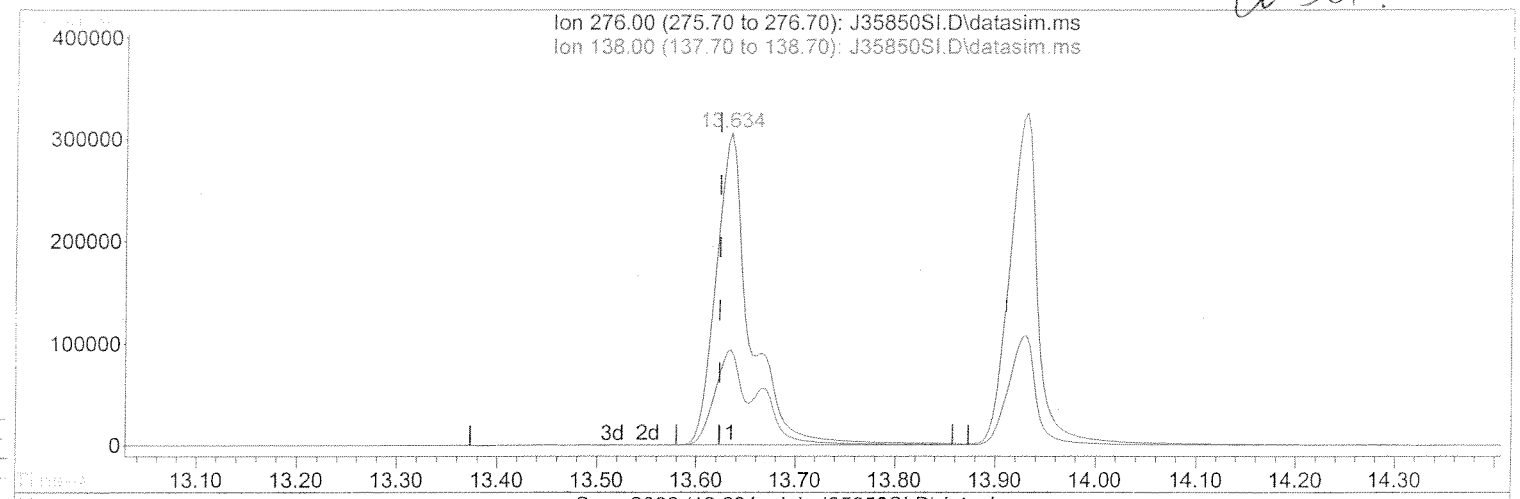
SIM091710.M Sat Sep 18 02:33:30 2010 Page: 2

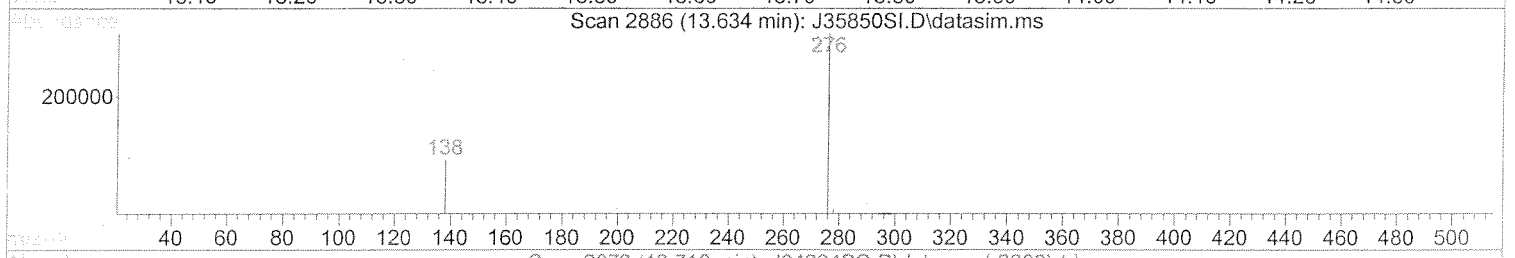
S92010

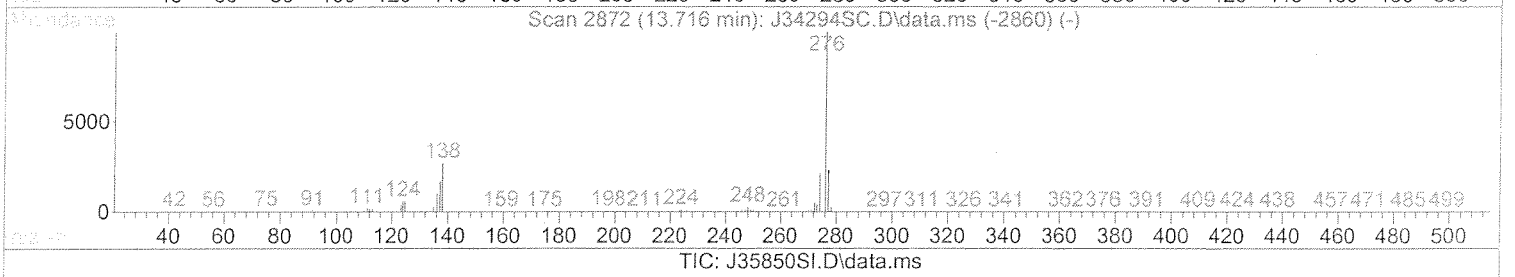
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 02:32:36 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

MC 9/18/10 co-el.







TIC: J35850SI.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.634min (+0.011) 25.44ug/ml

response 741435

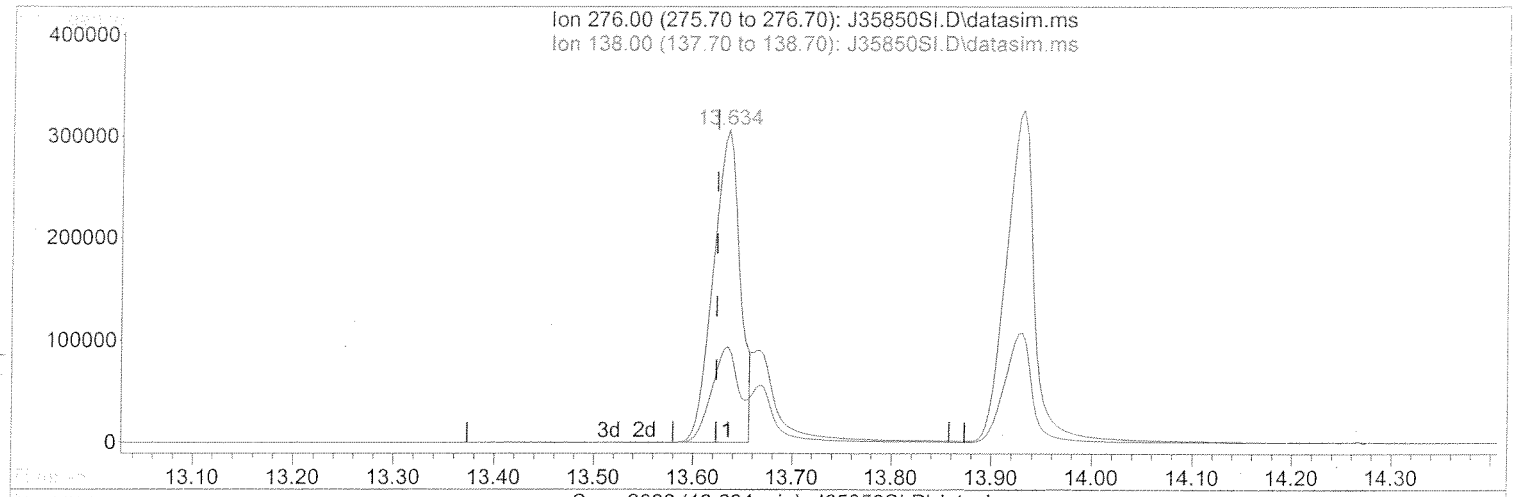
Ion	Exp%	Act%
-276.00	100	100
138.00	32.10	23.62#
0.00	0.00	0.00
0.00	0.00	0.00

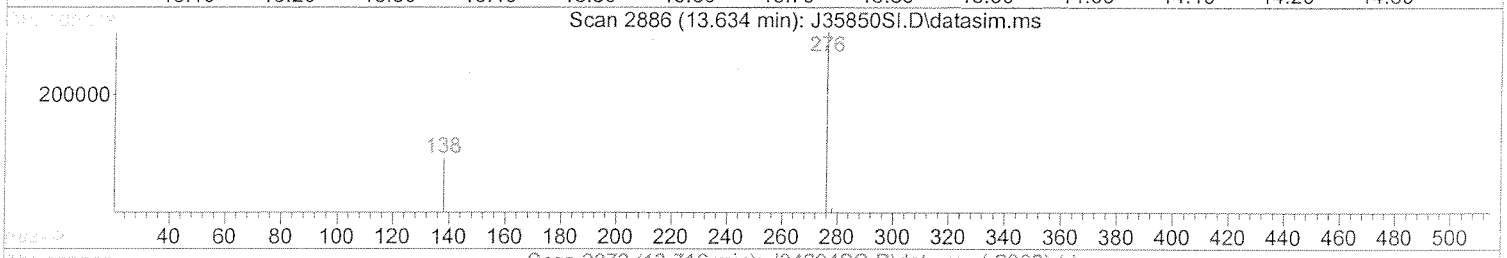
J92010

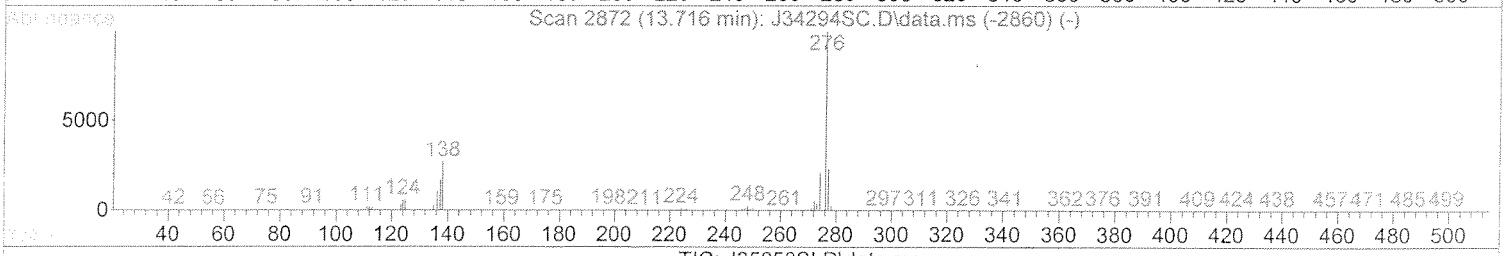
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 02:32:36 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 01:06:37 2010
Response via : Initial Calibration

MN 9/18/10







TIC: J35850SI.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.634min (+0.011) 19.58ug/ml m

response 570496

Ion	Exp%	Act%
-276.00	100	100
138.00	32.10	30.70
0.00	0.00	0.00
0.00	0.00	0.00

892010

SIM ICV

Data File Name: J35855.D
Date Acquired: 9/18/2010 3:49
Sample Name: S10121 2/4 ICV

9/18/10

Name	Amount	Expected	% Recovery	80-120%
Naphthalene	2.08	2.00	104%	OK
2-Methylnaphthalene	2.13	2.00	106%	OK
2-Chloronaphthalene	2.18	2.00	109%	OK
Acenaphthylene	2.32	2.00	116%	OK
Acenaphthene	2.10	2.00	105%	OK
Fluorene	2.16	2.00	108%	OK
Phenanthrene	2.00	2.00	100%	OK
Anthracene	2.15	2.00	108%	OK
Biphenyl	2.26	2.00	113%	OK
Fluoranthene	2.23	2.00	112%	OK
Pyrene	2.22	2.00	111%	OK
Benzo[a]anthracene	2.13	2.00	106%	OK
Chrysene	2.12	2.00	106%	OK
Benzo[b] fluoranthene	2.34	2.00	117%	OK
Benzo[k] fluoranthene	2.20	2.00	110%	OK
Benzo[a] pyrene	2.27	2.00	113%	OK
Indeno [1,2,3-cd] pyrene	2.14	2.00	107%	OK
Dibenz [a,h] anthracene	2.18	2.00	109%	OK
Benzo(g,h,i) perylene	2.09	2.00	104%	OK
d5-nitrobenzene	4.45	4.00	111%	OK
2-Fluorobiphenyl	4.57	4.00	114%	OK
d14-p-terphenyl	4.50	4.00	112%	OK

392010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35855.D
Acq On : 18 Sep 2010 3:49 am
Operator : AR/MG
Sample : S10121 2/4 ICV
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 18 04:11:06 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 04:08:34 2010
Response via : Initial Calibration

9/18/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d8-Naphthalene	5.308	136	1159156	40.00	ug/ml	0.00
5) d10-Acenaphthene	7.030	164	640462	40.00	ug/ml	0.00
11) d10-Phenanthrene	8.458	188	1094832	40.00	ug/ml	0.00
16) d12-Chrysene	11.002	240	963272	40.00	ug/ml	0.00
21) d12-Perylene	12.467	264	849696	40.00	ug/ml	0.00
System Monitoring Compounds						
2) d5-nitrobenzene	4.592	82	59493	4.45	ug/ml	0.00
Spiked Amount 5.000	Range 21 - 110		Recovery	=	89.00%	
6) 2-Fluorobiphenyl	6.397	172	137323	4.57	ug/ml	0.00
Spiked Amount 5.000	Range 44 - 102		Recovery	=	91.40%	
18) d14-p-terphenyl	10.018	244	102620	4.50	ug/ml	0.00
Spiked Amount 5.000	Range 33 - 132		Recovery	=	90.00%	
Target Compounds						Qvalue
3) Naphthalene	5.327	128	84418	2.08	ug/ml	100
4) 2-Methylnaphthalene	6.021	141	53687	2.13	ug/ml	99
7) 2-Chloronaphthalene	6.491	162	62923	2.18	ug/ml	99
8) Acenaphthylene	6.885	152	102528	2.32	ug/ml	99
9) Acenaphthene	7.060	154	53313	2.10	ug/ml	98
10) Fluorene	7.559	166	70493	2.16	ug/ml	99
12) Phenanthrene	8.476	178	93500	2.00	ug/ml	100
13) Anthracene	8.526	178	104035	2.15	ug/ml	100
14) Biphenyl	6.487	154	77543	2.26	ug/ml	99
15) Fluoranthene	9.618	202	114912	2.23	ug/ml	99
17) Pyrene	9.827	202	118278	2.22	ug/ml	100
19) Benzo[a]anthracene	10.987	226	22787	2.13	ug/ml	96
20) Chrysene	11.021	228	91830	2.12	ug/ml	98
22) Benzo[b] fluoranthene	12.048	252	87133	2.34	ug/ml	95
23) Benzo[k] fluoranthene	12.081	252	93123	2.20	ug/ml	98
24) Benzo[a] pyrene	12.391	252	85881	2.27	ug/ml	100
25) Indeno [1,2,3-cd] pyrene	13.623	276	57913m	2.14	ug/ml	
26) Dibenz [a,h] anthracene	13.660	278	66735	2.18	ug/ml	99
27) Benzo(g,h,i) perylene	13.915	276	75116	2.09	ug/ml	100

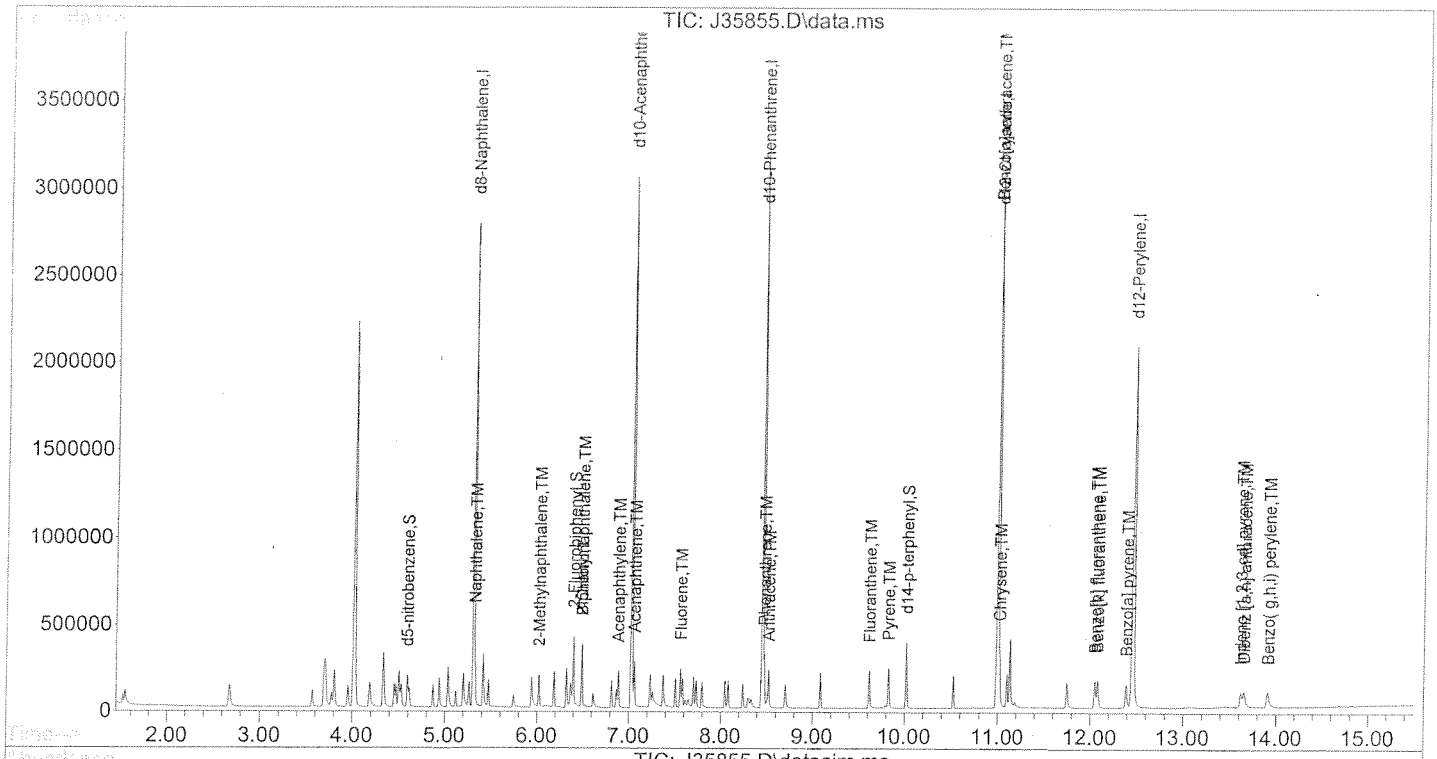
(#) = qualifier out of range (m) = manual integration (+) = signals summed

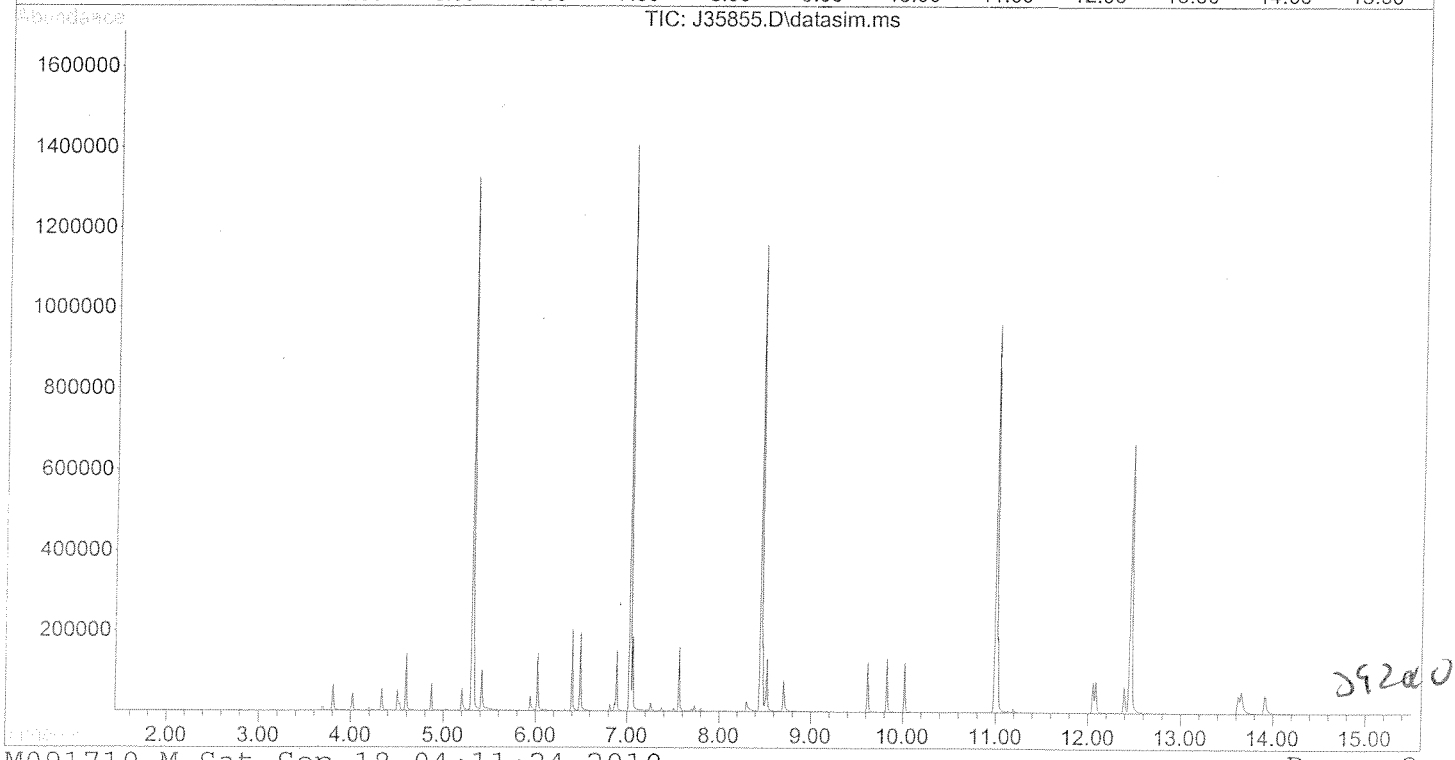
J92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35855.D
Acq On : 18 Sep 2010 3:49 am
Operator : AR/MG
Sample : S10121 2/4 ICV
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 18 04:11:06 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 04:08:34 2010
Response via : Initial Calibration

MN
9/18/10





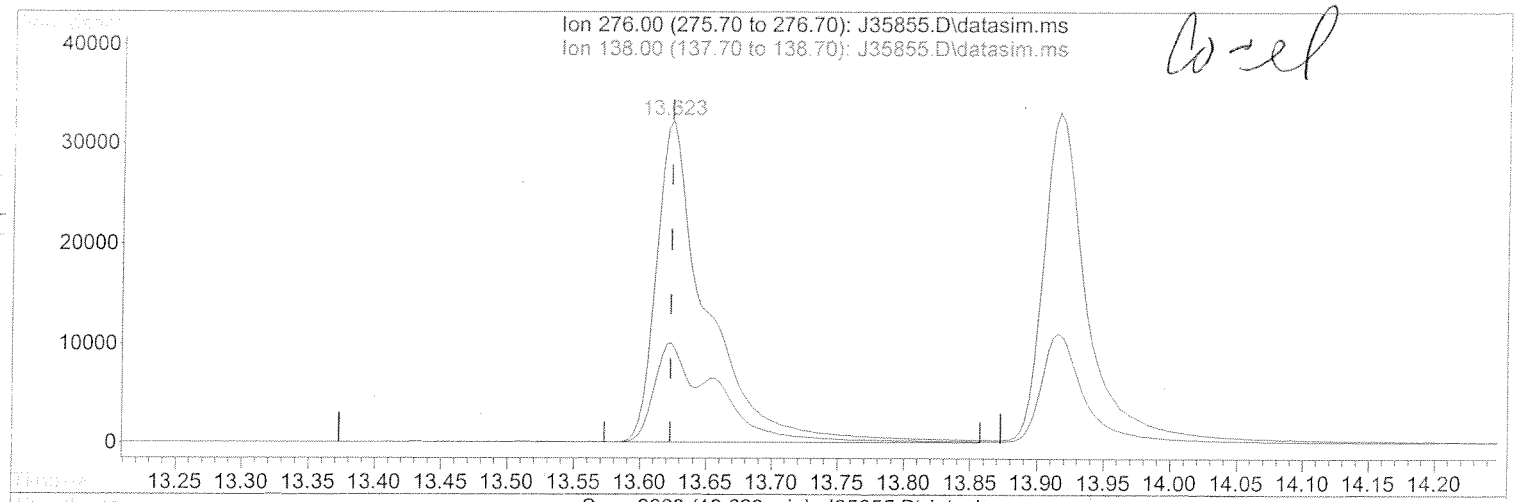
D92a0

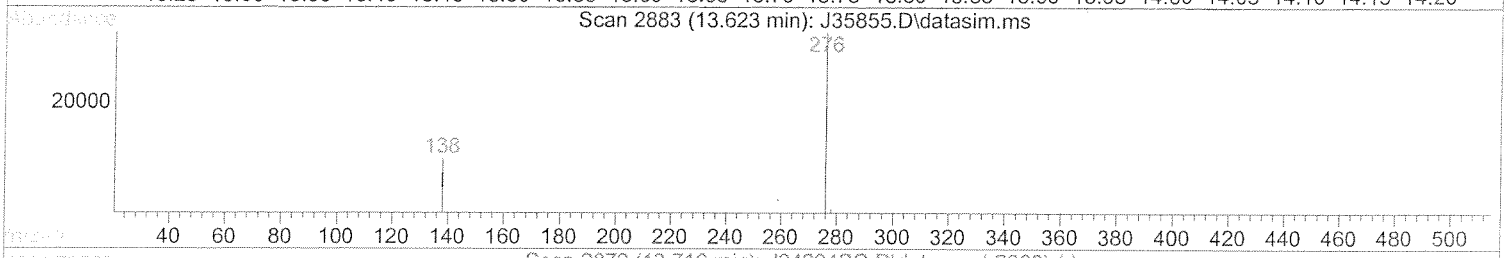
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35855.D
Acq On : 18 Sep 2010 3:49 am
Operator : AR/MG
Sample : S10121 2/4 ICV
Misc :
ALS Vial : 14 Sample Multiplier: 1

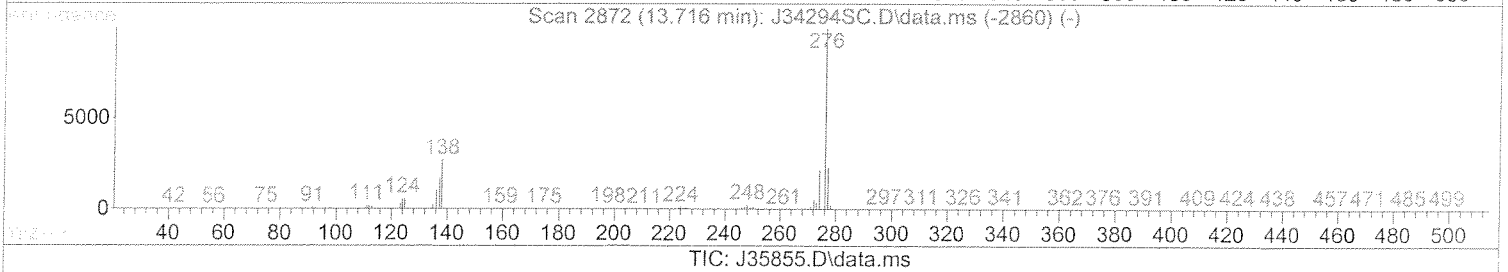
Quant Time: Sep 18 04:08:45 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 04:08:34 2010
Response via : Initial Calibration

MN 9/18/10

Co-el







TIC: J35855.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.623min (+0.000) 3.21ug/ml

response 86812

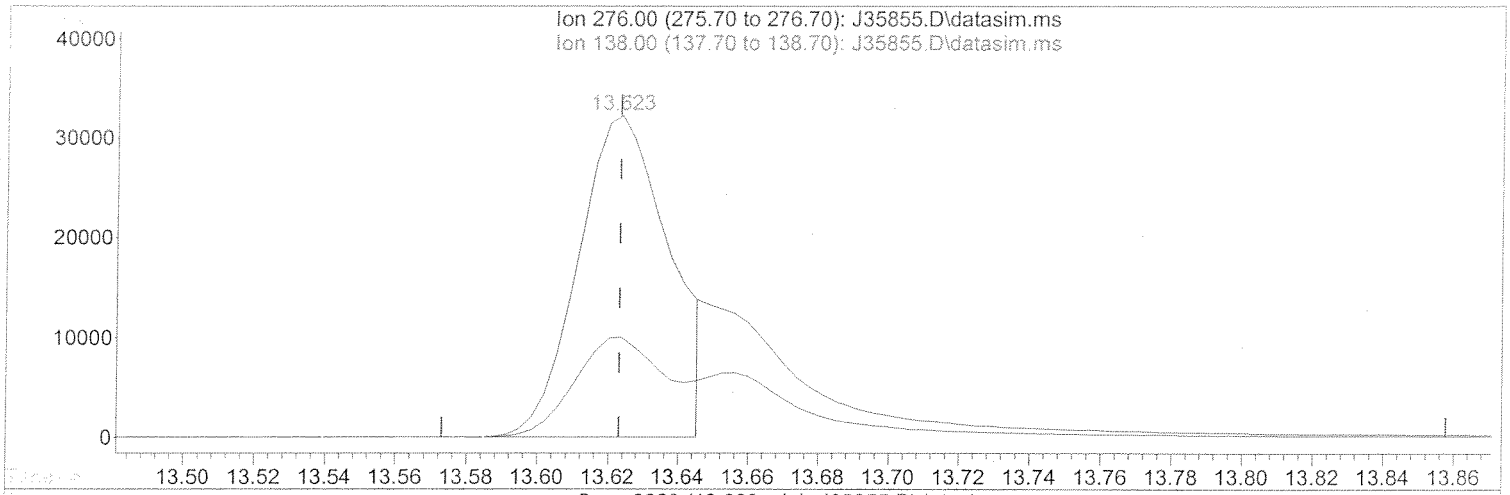
Ion	Exp%	Act%
276.00	100	100
138.00	32.10	21.48#
0.00	0.00	0.00
0.00	0.00	0.00

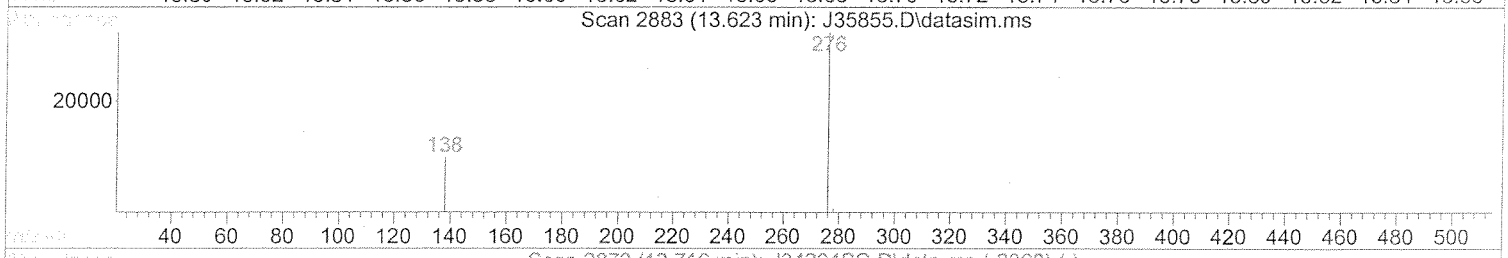
JY2010

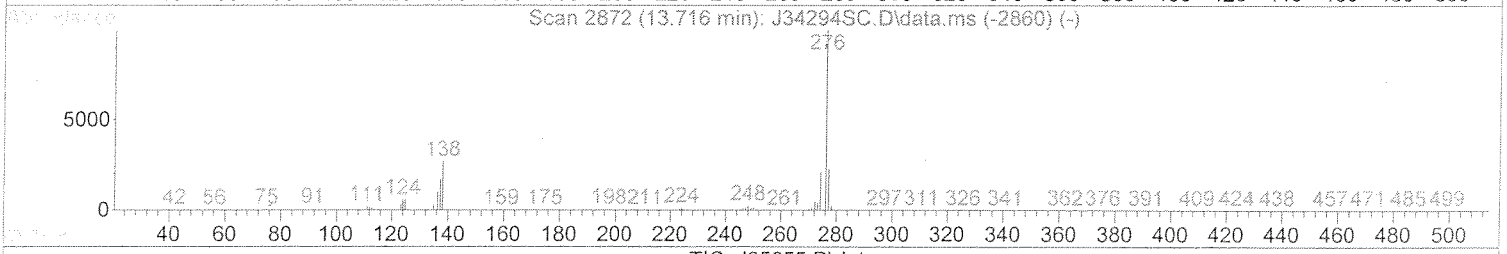
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35855.D
Acq On : 18 Sep 2010 3:49 am
Operator : AR/MG
Sample : S10121 2/4 ICV
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 18 04:08:45 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 04:08:34 2010
Response via : Initial Calibration

MR 9/18/10







TIC: J35855.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.623min (+0.000) 2.14ug/ml m

response 57605

Ion	Exp%	Act%
-276.00	100	100
138.00	32.10	32.37
0.00	0.00	0.00
0.00	0.00	0.00

J92010

SIM CCV

Data File Name J35857SC.D
Sample Name S10115 2/4
Date Acquired 9/18/2010 4:32

9/18/10

Name	Amount	ug/ml Expected	% RECOVERY	80%-120%
Naphthalene	2.04	2.0	102%	OK
2-Methylnaphthalene	2.19	2.0	110%	OK
2-Chloronaphthalene	2.10	2.0	105%	OK
Acenaphthylene	2.08	2.0	104%	OK
Acenaphthene	2.03	2.0	101%	OK
Fluorene	2.09	2.0	104%	OK
Phenanthrene	1.97	2.0	99%	OK
Anthracene	2.08	2.0	104%	OK
Biphenyl	2.13	2.0	107%	OK
Fluoranthene	2.15	2.0	107%	OK
Pyrene	2.10	2.0	105%	OK
Benzo[a]anthracene	1.92	2.0	96%	OK
Chrysene	2.00	2.0	100%	OK
Benzo[b] fluoranthene	2.06	2.0	103%	OK
Benzo[k] fluoranthene	1.99	2.0	100%	OK
Benzo[a] pyrene	2.10	2.0	105%	OK
Indeno [1,2,3-cd] pyrene	1.94	2.0	97%	OK
Dibenz [a,h] anthracene	2.03	2.0	102%	OK
Benzo(g,h,i) perylene	1.93	2.0	97%	OK
d5-nitrobenzene	4.13	4.0	103%	OK
2-Fluorobiphenyl	4.32	4.0	108%	OK
d14-p-terphenyl	4.20	4.0	105%	OK

J92010

SIM PAH % DRIFT EVALUATION

1=AVERAGE RF	Data File Name	J35857SC.D
0=LINEAR	Date Acquired	9/18/2010 4:32
3=QUADRATIC	Sample Name	S10115 2/4

9/18/10

METHOD: C:\msdchem\1\METHODS\SIM091710.M

CAL FIT	Name	ug/mL Amount	ug/mL Expected	% DRIFT		<20%
1	d5-nitrobenzene	4.13	4	3.3%	NA	OK
1	Naphthalene	2.04	2	2.2%	NA	OK
1	2-Methylnaphthalene	2.19	2	9.6%	NA	OK
3	2-Fluorobiphenyl	4.32	4	8.1%		OK
1	2-Chloronaphthalene	2.10	2	5.1%	NA	OK
1	Acenaphthylene	2.08	2	4.2%	NA	OK
1	Acenaphthene	2.03	2	1.4%	NA	OK
1	Fluorene	2.09	2	4.5%	NA	OK
1	Phenanthrene	1.97	2	1.3%	NA	OK
1	Anthracene	2.08	2	4.0%	NA	OK
1	Biphenyl	2.13	2	6.5%	NA	OK
1	Fluoranthene	2.15	2	7.3%	NA	OK
1	Pyrene	2.10	2	4.9%	NA	OK
3	d14-p-terphenyl	4.20	4	5.1%		OK
3	Benzo[a]anthracene	1.92	2	4.0%		OK
1	Chrysene	2.00	2	0.1%	NA	OK
3	Benzo[b] fluoranthene	2.06	2	2.9%		OK
1	Benzo[k] fluoranthene	1.99	2	0.5%	NA	OK
1	Benzo[a] pyrene	2.10	2	5.0%	NA	OK
1	Indeno [1,2,3-cd] pyrene	1.94	2	3.0%	NA	OK
1	Dibenz [a,h] anthracene	2.03	2	1.6%	NA	OK

J92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35857SC.D
Acq On : 18 Sep 2010 4:32 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 05:16:02 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 04:08:59 2010
Response via : Initial Calibration

9/18/10

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	d8-Naphthalene	1.000	1.000	0.0	95	0.00
2	S	d5-nitrobenzene	0.462	0.477	-3.2	94	0.00
3	TM	Naphthalene	1.398	1.429	-2.2	94	0.00
4	TM	2-Methylnaphthalene	0.870	0.954	-9.7	93	0.00
5	I	d10-Acenaphthene	1.000	1.000	0.0	97	0.00
6	S	2-Fluorobiphenyl	1.906	2.038	-6.9	99	0.00
7	TM	2-Chloronaphthalene	1.802	1.894	-5.1	98	0.00
8	TM	Acenaphthylene	2.764	2.881	-4.2	97	0.00
9	TM	Acenaphthene	1.583	1.605	-1.4	97	0.00
10	TM	Fluorene	2.040	2.131	-4.5	96	0.00
11	I	d10-Phenanthrene	1.000	1.000	0.0	97	0.00
12	TM	Phenanthrene	1.712	1.689	1.3	97	0.00
13	TM	Anthracene	1.766	1.836	-4.0	97	0.00
14	T	Biphenyl	1.256	1.338	-6.5	98	0.00
15	TM	Fluoranthene	1.880	2.017	-7.3	98	0.00
16	I	d12-Chrysene	1.000	1.000	0.0	97	0.00
17	TM	Pyrene	2.209	2.318	-4.9	96	0.00
18	S	d14-p-terphenyl	0.951	1.002	-5.4	97	0.00
19	TM	Benzo[a]anthracene	0.475	0.428	9.9	95	0.00
20	TM	Chrysene	1.798	1.799	-0.1	96	0.00
21	I	d12-Perylene	1.000	1.000	0.0	97	0.00
22	TM	Benzo[b] fluoranthene	1.690	1.811	-7.2	99	0.00
23	TM	Benzo[k] fluoranthene	1.997	1.987	0.5	91	0.00
24	TM	Benzo[a] pyrene	1.784	1.873	-5.0	96	0.00
25	TM	Indeno [1,2,3-cd] pyrene	1.274	1.236	3.0	91	0.00
26	TM	Dibenz [a,h] anthracene	1.441	1.464	-1.6	93	0.00
27	TM	Benzo(g,h,i) perylene	1.693	1.635	3.4	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

D92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35857SC.D
Acq On : 18 Sep 2010 4:32 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 05:16:02 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 04:08:59 2010
Response via : Initial Calibration

9/18/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d8-Naphthalene	5.313	136	1165524	40.00	ug/ml	0.00
5) d10-Acenaphthene	7.030	164	652201	40.00	ug/ml	0.00
11) d10-Phenanthrene	8.459	188	1127095	40.00	ug/ml	0.00
16) d12-Chrysene	11.002	240	1015063	40.00	ug/ml	0.00
21) d12-Perylene	12.467	264	907545	40.00	ug/ml	0.00
System Monitoring Compounds						
2) d5-nitrobenzene	4.592	82	55592	4.13	ug/ml	0.00
Spiked Amount 5.000	Range 21 - 110		Recovery = 82.60%			
6) 2-Fluorobiphenyl	6.397	172	132945	4.32	ug/ml	0.00
Spiked Amount 5.000	Range 44 - 102		Recovery = 86.40%			
18) d14-p-terphenyl	10.018	244	101689	4.20	ug/ml	0.00
Spiked Amount 5.000	Range 33 - 132		Recovery = 84.00%			
Target Compounds						Qvalue
3) Naphthalene	5.327	128	83286	2.04	ug/ml	100
4) 2-Methylnaphthalene	6.021	141	55596	2.19	ug/ml	99
7) 2-Chloronaphthalene	6.491	162	61750	2.10	ug/ml	99
8) Acenaphthylene	6.885	152	93958	2.08	ug/ml	99
9) Acenaphthene	7.060	154	52332	2.03	ug/ml	98
10) Fluorene	7.559	166	69499	2.09	ug/ml	99
12) Phenanthrene	8.477	178	95166	1.97	ug/ml	100
13) Anthracene	8.526	178	103474	2.08	ug/ml	100
14) Biphenyl	6.487	154	75385	2.13	ug/ml	100
15) Fluoranthene	9.618	202	113693	2.15	ug/ml	99
17) Pyrene	9.827	202	117641	2.10	ug/ml	99
19) Benzo[a]anthracene	10.983	226	21721	1.92	ug/ml	97
20) Chrysene	11.021	228	91307	2.00	ug/ml	98
22) Benzo[b] fluoranthene ✓	12.048	252	82170	2.06	ug/ml	94
23) Benzo[k] fluoranthene ✓	12.077	252	90146	1.99	ug/ml	98
24) Benzo[a] pyrene	12.387	252	84987	2.10	ug/ml	100
25) Indeno [1,2,3-cd] pyrene	13.624	276	56106m	1.94	ug/ml	
26) Dibenz [a,h] anthracene	13.656	278	66439	2.03	ug/ml	99
27) Benzo(g,h,i) perylene	13.915	276	74177	1.93	ug/ml	99

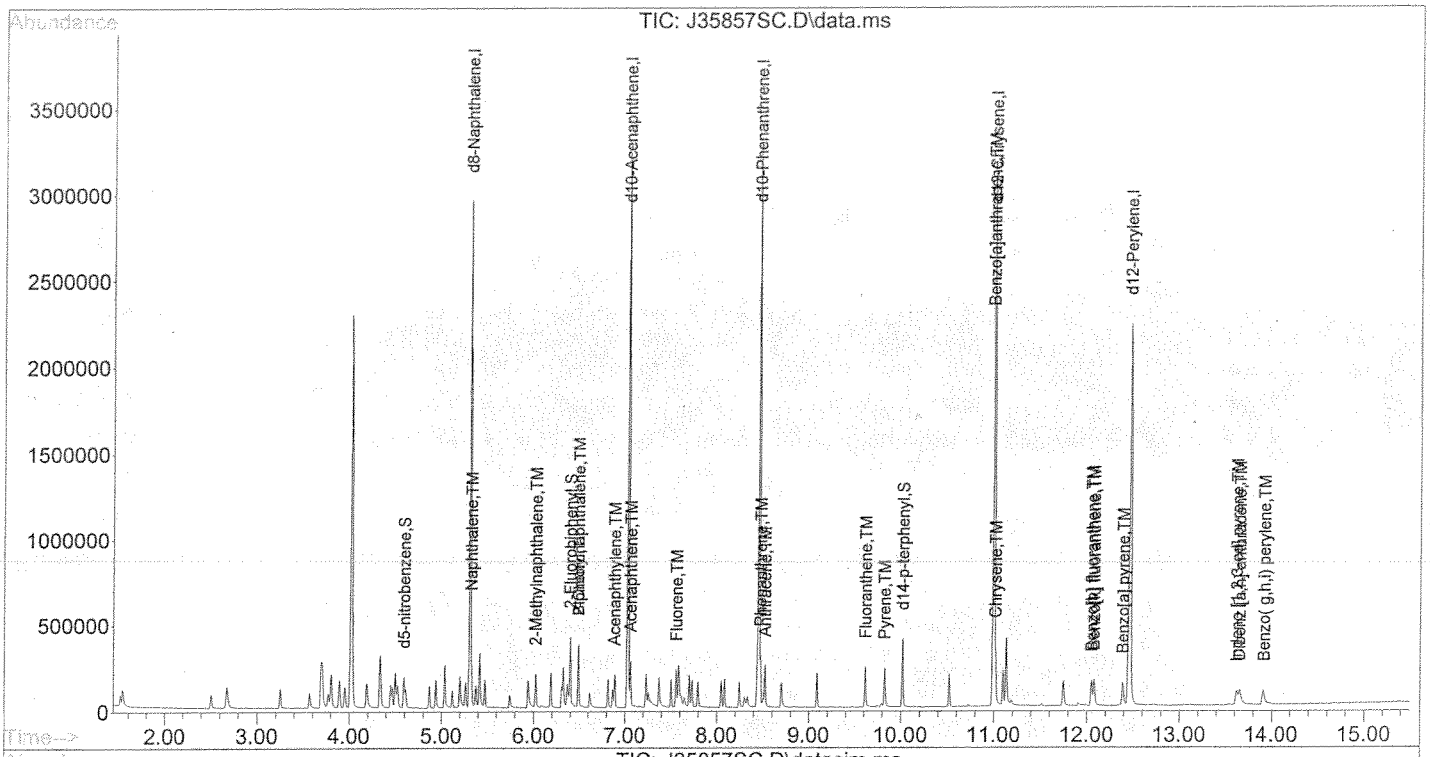
(#) = qualifier out of range (m) = manual integration (+) = signals summed

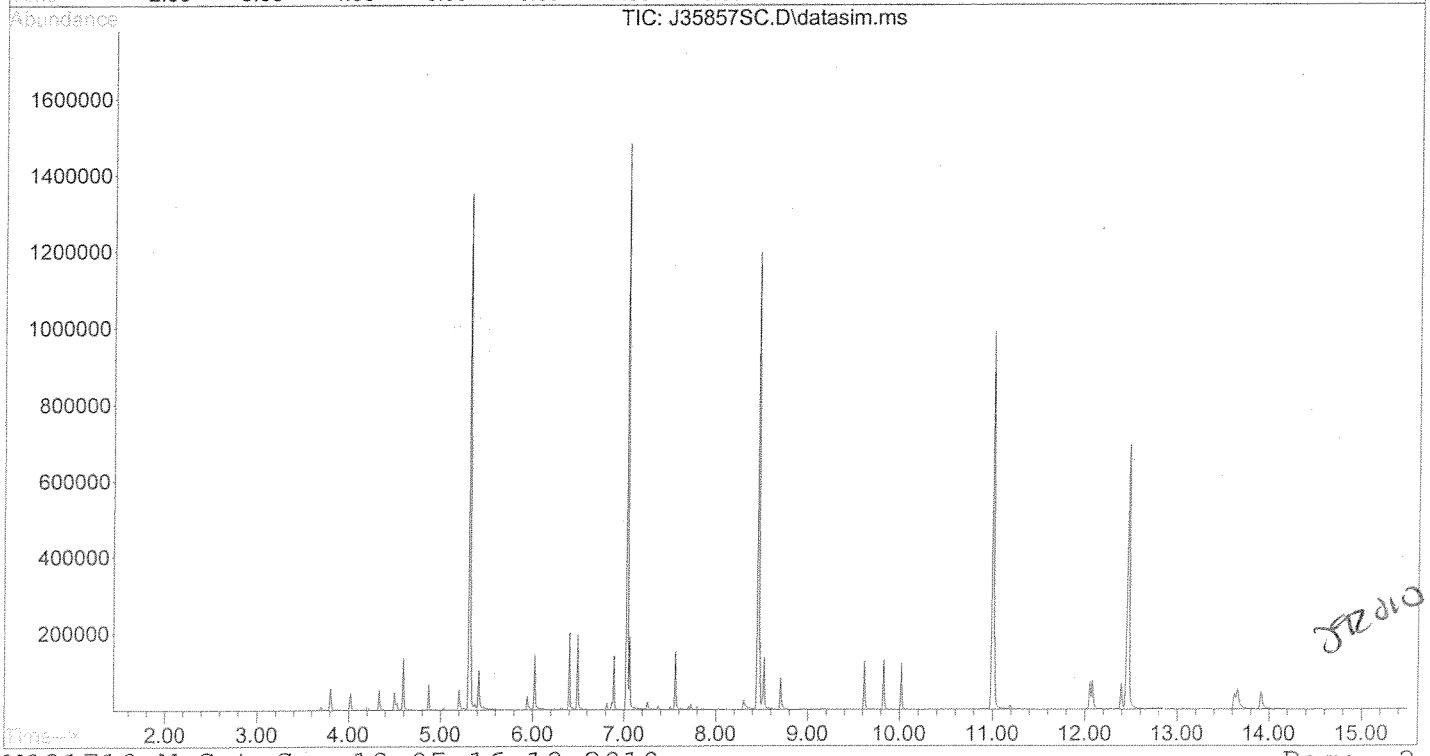
D72010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35857SC.D
Acq On : 18 Sep 2010 4:32 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 05:16:02 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 04:08:59 2010
Response via : Initial Calibration

9/18/10





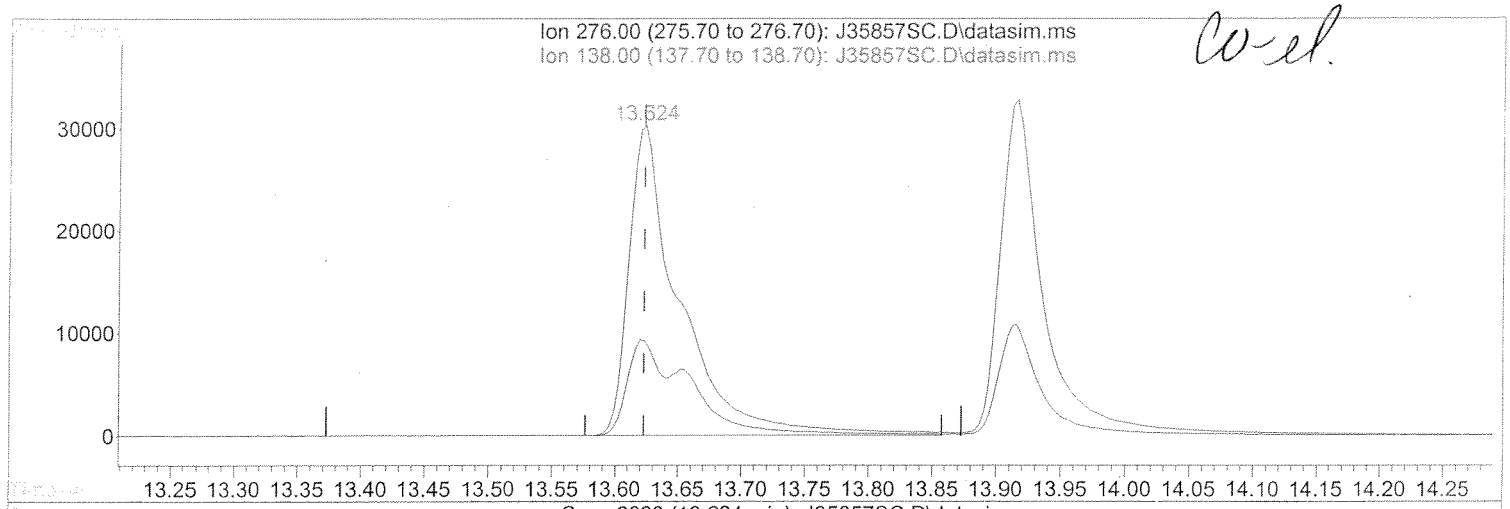
JR 9/10

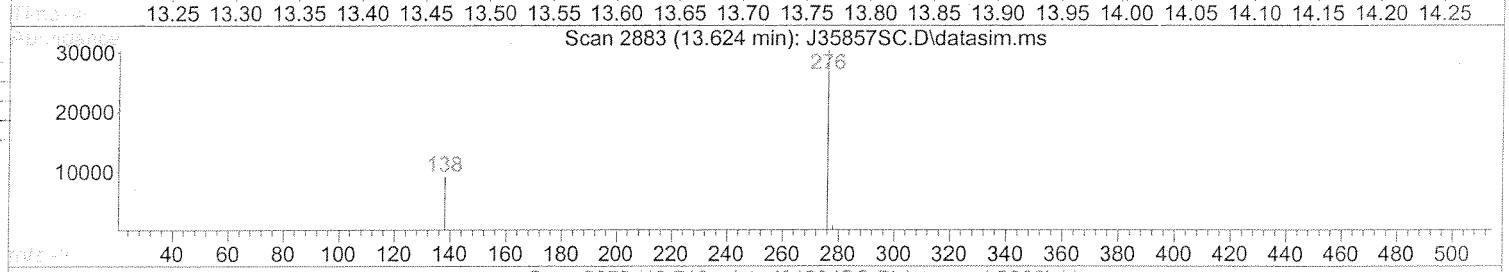
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35857SC.D
Acq On : 18 Sep 2010 4:32 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

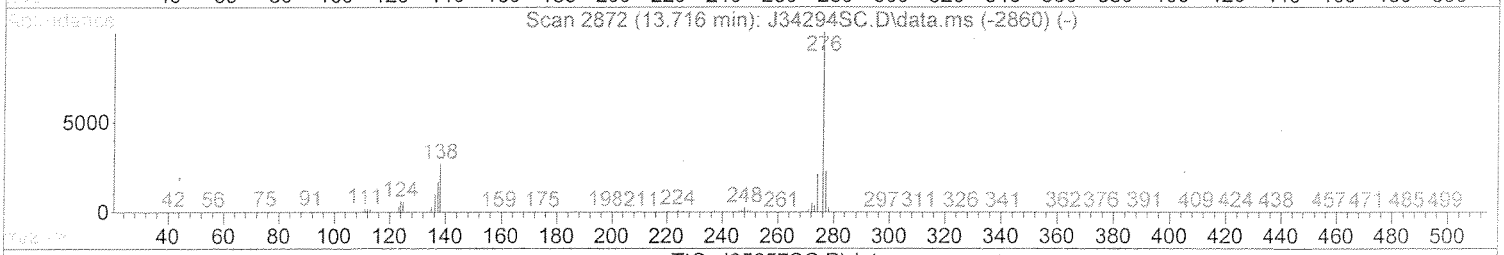
Quant Time: Sep 18 05:15:27 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 04:08:59 2010
Response via : Initial Calibration

MK 9/18/10

Co-el.







TIC: J35857SC.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.624min (+0.001) 2.96ug/ml

response 85630

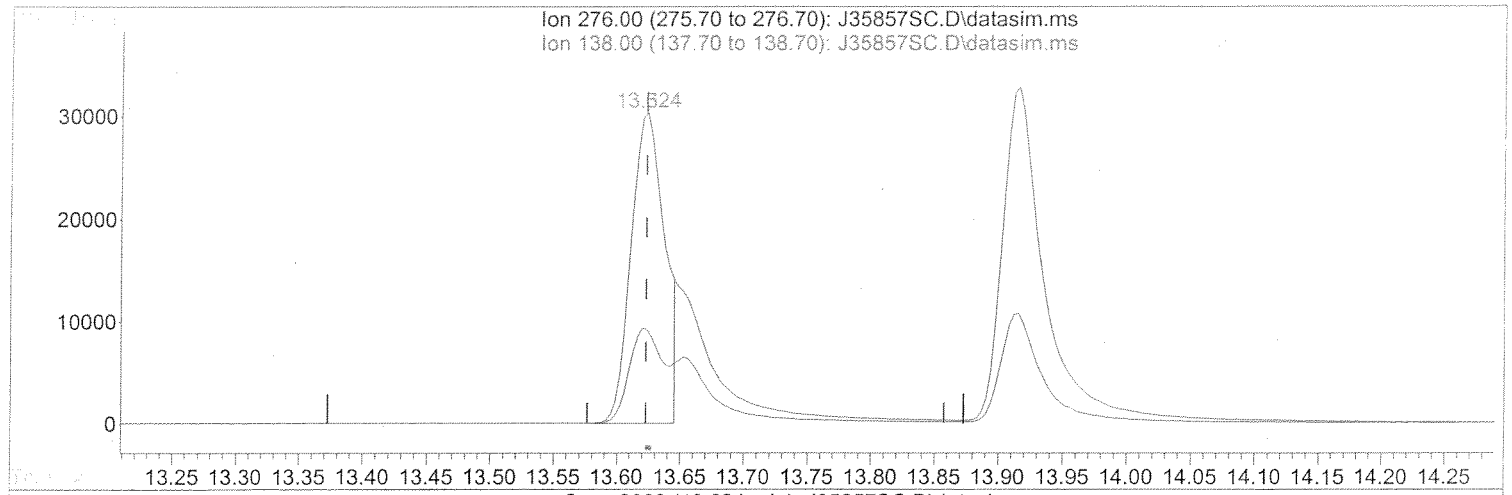
Ion	Exp%	Act%
276.00	100	100
138.00	32.10	19.81#
0.00	0.00	0.00
0.00	0.00	0.00

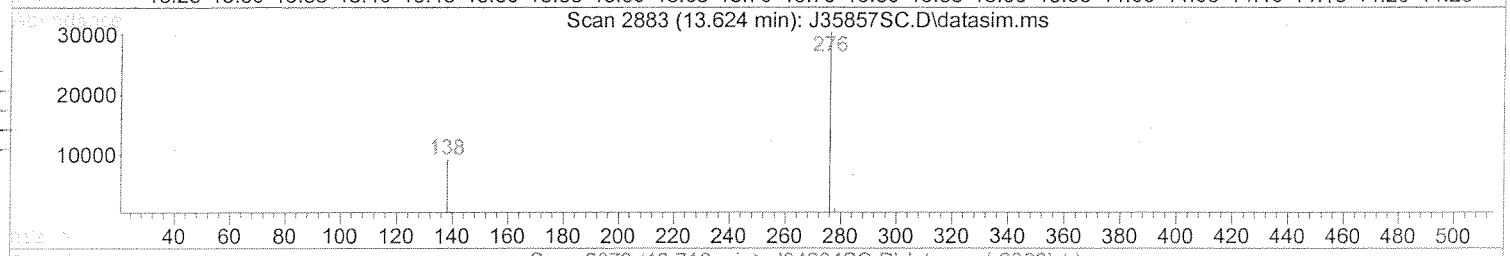
9/20/10

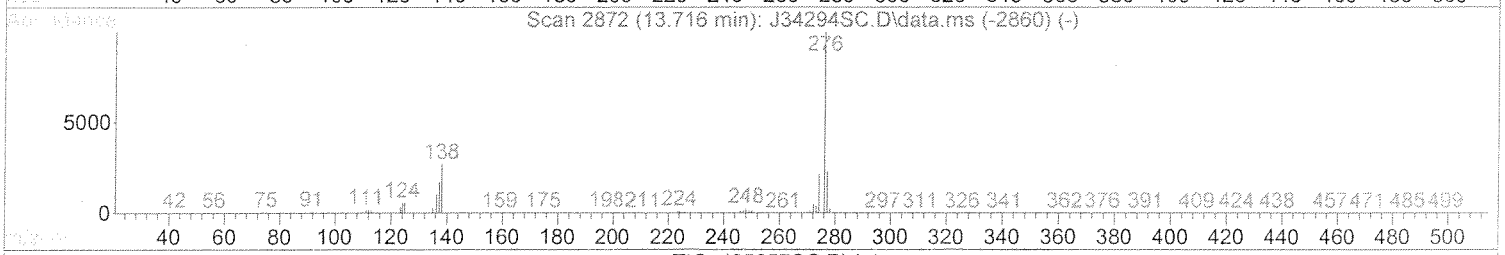
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35857SC.D
Acq On : 18 Sep 2010 4:32 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 05:15:27 2010
Quant Method : C:\msdchem\1\METHODS\SIM091710.M
Quant Title : ABN SIM
QLast Update : Sat Sep 18 04:08:59 2010
Response via : Initial Calibration

9/18/10







TIC: J35857SC.D\data.ms

(25) Indeno [1,2,3-cd] pyrene (TM)

13.624min (+0.001) 1.94ug/ml m

response 56106

Ion	Exp%	Act%
-276.00	100	100
138.00	32.10	30.23
0.00	0.00	0.00
0.00	0.00	0.00

D92210

SEMIVOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67799

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#	IS 5 AREA	#	IS 5 RT	#
S10115 2/4	1221390		5.31		669372		7.03		1159460		8.46		1.05E+06		11.00		939744		12.47	
Upper Limit	2442780		5.37		1338744		7.09		2318920		8.52		2092860		11.06		1879488		12.53	
Lower limit	610695		5.25		334686		6.97		579730		8.40		523215		10.94		469872		12.41	
SAMPLE ID																				
S10119 0.05/0.1	1206860		5.31		671601		7.03		1123870		8.46		1.05E+06		11.00		939666		12.47	
S10118 0.1/0.2	1259240		5.31		683510		7.03		1162010		8.46		1.04E+06		11.00		934377		12.47	
S10117 0.2/0.4	1240190		5.31		681948		7.03		1169460		8.46		1.05E+06		11.00		935240		12.47	
S10116 1/2	1211810		5.31		686659		7.03		1180520		8.46		1.06E+06		11.00		942801		12.47	
S10114 4/8	1190310		5.31		657325		7.03		1127670		8.46		997143		11.00		920219		12.47	
S10113 10/20	1198760		5.31		672205		7.03		1162390		8.46		1.00E+06		11.01		926661		12.47	
S10112 20/40	1232380		5.32		671827		7.04		1176370		8.46		954648		11.01		919074		12.47	
S10121 2/4 ICV	1159160		5.31		640462		7.03		1094830		8.46		963272		11.00		849696		12.47	

IS 1 = d8-Naphthalene
IS 2 = d10-Acenaphthene
IS 3 = d10-Phenanthrene
IS 4 = d12-Chrysene
IS 5 = d12-Perylene

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

SVOA SIM FORM 8

Tune File : C:\msdchem\1\DATA\091710-J\J35841T.D
Tune Time : 17 Sep 2010 10:49 pm

STM

Daily Calibration File : C:\msdchem\1\DATA\091710-J\J35847SI.D

MN 9/18/10

						1221390	669372	1159460
						1046430	939744	

File	Sample	Surrogate Recovery %			Internal Standard Responses		
J35843SI.D							
	S10119 0.0	2*	2*	2*	1206864	671601	1123865
			1046577		939666		
J35844SI.D							
	S10118 0.1	4*	5*	4*	1259243	683510	1162006
			1044546		934377		
J35845SI.D							
	S10117 0.2	8*	9*	9*	1240194	681948	1169461
			1050908		935240		
J35846SI.D							
	S10116 1/2	42	44*	43	1211809	686659	1180518
			1061038		942801		
J35848SI.D							
	S10114 4/8	157*	151*	154*	1190306	657325	1127669
			997143		920219		
J35849SI.D							
	S10113 10/	364*	309*	327*	1198764	672205	1162394
			1001884		926661		
J35850SI.D							
	S10112 20/	635*	516*	569*	1232375	671827	1176367
			954648		919074		
J35855.D							
	S10121 2/4	89	91	90	1159156	640462	1094832
			963272		849696		

(fails) - fails 12hr time check * - fails criteria

Created: Sat Sep 18 22:06:01 2010 Instrument J

JG 2010

SEMIVOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67799

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#	IS 5 AREA	#	IS 5 RT	#
S10115 2/4	1165520		5.31		652201		7.03		1127100		8.46		1.02E+06		11.00		907545		12.47	
Upper Limit	2331040		5.37		1304402		7.09		2254200		8.52		2030120		11.06		1815090		12.53	
Lower limit	582760		5.25		326101		6.97		563550		8.40		507530		10.94		453773		12.41	
SAMPLE ID																				
B091610SIMASE	1166360		5.31		629332		7.03		1071450		8.46		956884		11.00		837457		12.46	
L091610SIMASE	1195230		5.31		654467		7.03		1104640		8.46		974251		11.00		854272		12.47	
LD091610SIMASE	1208570		5.31		647919		7.03		1118080		8.46		976085		11.00		885816		12.47	
67799-1	1219430		5.31		666669		7.03		1130380		8.46		997465		11.00		868425		12.47	
67799-1,MS	1219600		5.31		669702		7.03		1147020		8.46		983523		11.00		863911		12.47	
67799-1,MSD	1211930		5.31		654855		7.03		1132970		8.46		974059		11.00		878570		12.47	
67799-2	1197320		5.31		656944		7.03		1134270		8.46		987496		11.00		901625		12.47	
67799-3	1200950		5.31		649927		7.03		1123160		8.46		950273		11.00		885537		12.47	
67799-4	1220780		5.31		674514		7.03		1145280		8.46		1.00E+06		11.00		894455		12.47	

IS 1 = d8-Naphthalene
IS 2 = d10-Acenaphthene
IS 3 = d10-Phenanthrene
IS 4 = d12-Chrysene
IS 5 = d12-Perylene

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

SVOA SIM FORM 8

Tune File : C:\msdchem\1\DATA\091710-J\J35856T.D
Tune Time : 18 Sep 2010 4:10 am

Daily Calibration File : C:\msdchem\1\DATA\091710-J\J35857SC.D

STM

1165520 652201 1127100

1015060 907545

9/18/10

File	Sample	Surrogate Recovery %			Internal Standard Responses		
J35859B.D	B091610SIM	70	77	98	1166355	629332	1071451
			956884		837457		
J35860Q.D	L091610SIM	60	70	93	1195227	654467	1104644
			974251		854272		
J35861Q.D	LD091610SI	49	55	68	1208572	647919	1118077
			976085		885816		
J35862.D	M091610SIM	72	82	97	1203206	654540	1119625
			975313		870236		
J35863.D	M091610SIM	68	77	91	1193204	657549	1126853
			1020141		915912		
J35864.D	M091610SIM	70	77	98	1212128	659653	1129493
			988315		879724		
J35865.D	M091610SIM	59	71	93	1196358	633968	1077820
			957525		828698		
J35866.D	M091610SIM	64	73	97	1206595	670177	1135299
			958698		854603		
J35867.D	M091610SIM	62	75	93	1200857	642102	1092091
			934658		831706		
J35868.D	M091610SIM	66	75	98	1182870	637971	1079295
			992240		847647		
J35869.D	67799-1	70	83	89	1219431	666669	1130382
			997465		868425		
J35870SP.D	67799-1,MS	75	83	90	1219603	669702	1147017
			983523		863911		
J35871SP.D	67799-1,MS	77	88	102	1211928	654855	1132974
			974059		878570		
J35872.D							

392010

```
                                 987496     901625
-----------------------------------------------------------------------------
J35873.D
          67799-3       75   86   95          1200952     649927    1123158
                                 950273     885537
-----------------------------------------------------------------------------
J35874.D
          67799-4       75   86  101          1220781     674514    1145277
                                1002752     894455
-----------------------------------------------------------------------------
(fails) - fails 12hr time check   * - fails criteria

    Created: Sat Sep 18 20:18:13 2010  Instrument J
```

9/18/10

J92010

CHAIN OF CUSTODIES

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 5 06/18/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 2°C
3) Received in good condition Y or N
4) pH checked by: NIF
5) Labels checked by: JB 9/16/10

Project#: 106-2282 Proj. Name: NAS SOWEY PIPING & SOIL
Company: Tetra Tech Inc.
Contact: BRIAN CORBETT
Address: 133 Federal Street
Boston, MA 02110
Phone: 1-617-457-8200 PO# Quote #
Sampler (Signature): R. Allyndm

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
C-B82-DC-B-1	9/15/10	0830	TCL PAH'S			✓					S	4	G		67799-1
C-B82-DC-B-2	9/15/10	1100	TCL PAH'S			✓					S	1	G		-2
C-B82-DC-B-3	9/15/10	1200	TCL PAH'S			✓					S	1	G		-3
C-B82-DC-B-4	9/15/10	1115	TCL PAH'S			✓					S	1	G		-4
Trip Blank															JB 9/16/10

Preservation

Email Results to: brian.corbett@tetratech.com

Turnaround Time (TAT)
- [ ] 24hr*
- [✓] 48hr* IFIC 9/9
- [✓] 72hr*
- [ ] 5 Days*
- [ ] 10 Days

*Fee may apply; lab approval required

Comments / Instructions:
C-B82-DC-B-1 CONTAINS MATERIAL FOR DUPLICATE /MS/MSDS

Project Requirements:
*Fee may apply

Report Type:
- [ ] MCP*
- [ ] CTRCP*
- [ ] DOD*
- [ ] Level II*
- [ ] Level III*
- [ ] Level IV*
- [ ] Standard

State:
- [ ] NH
- [✓] MA
- [ ] ME
- [ ] CT
- [ ] RI

Other:

State Standard: (eg. S-1 or GW-1)

EDD Required: (Y)* N

Type:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
R. Allyndm	Lisa Lanchbo				MT 9/15/10
Date: 9/16/10	Time: 10:25	Date:	Time:	Date:	Time:

Analytics\AEL Documents\AEL COC

Page ____ of ____

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 67799 COOLER NUMBER: 82

CLIENT: Tetra Tech NUMBER OF COOLERS: 1

PROJECT: Nas Sawey Piping Soil DATE RECEIVED: 9/16/10

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 9/16/10

1. Cooler received by(initials): LT Date Received: 9/16/10

2. Circle one: Hand delivered (If so, skip 3) Shipped

3. Did cooler come with a shipping slip? Y N/A

3a. Enter carrier name and airbill number here: —

4. Were custody seals on the outside of cooler? Y N
How many & where: — Seal Date: — Seal Name: —

5. Did the custody seals arrive unbroken and intact upon arrival? Y N/A

6. COC#: N/A

7. Were Custody papers filled out properly (ink,signed, etc)? Y N

8. Were custody papers sealed in a plastic bag? Y N

9. Did you sign the COC in the appropriate place? Y N

10. Was the project identifiable from the COC papers? Y N

11. Was enough ice used to chill the cooler? Y N Temp. of cooler: 2°

B. Log-In: Date samples were logged in: 9/16/10 By: LT

12. Type of packing in cooler(bubble wrap, popcorn) Y N

13. Were all bottles sealed in separate plastic bags? Y N

14. Did all bottles arrive unbroken and were labels in good condition? Y N

15. Were all bottle labels complete(ID,Date,time,etc.) Y N

16. Did all bottle labels agree with custody papers? Y N

17. Were the correct containers used for the tests indicated: Y N

18. Were samples received at the correct pH? Y N/A

19. Was sufficient amount of sample sent for the tests indicated? Y N

20. Were bubbles absent in VOA samples? Y N/A

If NO, List Sample ID's and Lab #s: _____

21. Laboratory labeling verified by (initials): JB Date: 9/16/10

C:ANLYTICS LLC\AEL DOCUMENTS\FORMS\SMPL CHKLST\Edit 4908 Rev. 2, 4/13/10

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

October 3, 2010

Mr. Brian Corbett
Tetra TECH EC, Inc.
160 Federal Street, 6th Floor
Boston, MA 02110

RE: Analytical Results Case Narrative
Analytics # 67833
NAS SOWEY Soil Pipe, BLD 82
South Weymouth, MA

Dear Mr. Corbett:

Enclosed please find the analytical results for samples collected from the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for Volatile Petroleum Hydrocarbons (VPH) using MADEP VPH Method Rev 1.1, May 2004, Extractable Petroleum Hydrocarbons by Massachusetts DEP EPH Method, Rev 1.1 May 2004.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level IV package has been assembled in the following order:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- MCP Cover Pages
- Summary Report
- Sample Logbook Pages/Extraction Data Sheets
- VPH Form 1 Data Sheet
- VPH Form 2 Surrogate Recoveries
- VPH Form 3 MS/MSD and LCS/LCSD Recoveries
- VPH Form 4 Method Blank Summary GC/MS Logbook Sheets
- VPH Form 5 BFB Tune Summaries (24-hr. Tune Window)
- VPH Form 6 Initial Calibration Data Target Compounds and Ranges
- VPH Form 7 Continuing Calibration Check
- VPH Form 8 RT Summary
- EPH Form 2 Surrogate Recoveries
- EPH Form 3 MS/MSD and LCS/LCSD Recoveries
- EPH Form 4 Method Blank Summary GC/MS Logbook Sheets
- EPH Form 5 DFTPP Tune Summaries (24-hr. Tune Window)
- EPH Form 6 Initial Calibration Data Target Compounds and Ranges
- EPH Form 7 Continuing Calibration Check (equiv.)
- EPH Form 8 Internal Standard Area and RT Summary
- Chain of Custody (COC) Forms
- Sample Receipt Checklist

QC NON CONFORMANCE SUMMARY

Sample Receipt:
Improper containers were provided for the VPH trip blank. The client was contacted and requested the laboratory hold the containers provided.

Volatile Petroleum Hydrocarbons (VPH):
No results were reported below the quantitation limit for C9-C10 aromatic range.

Sample 67833-14 required dilution due to the concentrations of hydrocarbons detected in the sample.

Sample 67833-9 had low surrogate recovery on both detectors. The sample was reanalyzed 67833-9 RR with the PID detector surrogate in control however the FID surrogate had low recovery. Results were reported with a comment to this affect.

The laboratory control sample pair (LSV092110K3/LSV092110K4) had RPD above acceptance criteria for Naphthalene. All analyte recoveries were in control. Results were reported without qualification.

The laboratory control sample pair (LSV092210K3LSV092210K2) had RPD above acceptance criteria for Methyl-t-butylether and Naphthalene. All analyte recoveries were in control. The MS analyzed on sample 67833-6 had low recovery for n-Decane and Naphthalene. The MSD was in control for all analyte recoveries. The MS./MSD had several analytes with high RPDs. The laboratory control samples were in control except as stated above. Results were reported without qualification.

Extractable Petroleum Hydrocarbons (EPH):
Several analytes used quadratic fit for quantitation (see plots provided).

If you have any questions or I can be of further assistance, please do not hesitate to contact me.

Sincerely
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

Report Number: 67833

Revision: Rev. 0

Re: NAS SOWEY SOIL PIPE, Bld 82 (Project No: 106-2282)

Enclosed are the results of the analyses on your sample(s). Samples were received on 20 September 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Sample Analysis: The attached pages detail the Client Sample IDs, Lab Sample IDs, and Analyses requested

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 9/23/2010

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

CLIENT: Tetra Tech EC, Inc. **REPORT NUMBER: 67833** **REV: Rev. 0**

PROJECT: NAS SOWEY SOIL PIPE, Bld 82 (Project No: 106-2282)

Lab Number	Sample Date	Station Location	Analysis	Comments
67833-1	09/20/10	C-B82-APN-B-01	MADEP EPH	
	09/20/10	C-B82-APN-B-01	Volatile Petroleum Hydrocarbons	
67833-2	09/20/10	C-B82-APN-B-02	MADEP EPH	
	09/20/10	C-B82-APN-B-02	Volatile Petroleum Hydrocarbons	
67833-3	09/20/10	C-B82-APN-B-03	MADEP EPH	
	09/20/10	C-B82-APN-B-03	Volatile Petroleum Hydrocarbons	
67833-4	09/20/10	C-B82-APN-B-04	MADEP EPH	
	09/20/10	C-B82-APN-B-04	Volatile Petroleum Hydrocarbons	
67833-5	09/20/10	C-B82-APN-SW-05	MADEP EPH	
	09/20/10	C-B82-APN-SW-05	Volatile Petroleum Hydrocarbons	
67833-6	09/20/10	C-B82-APN-SW-06	MADEP EPH	
	09/20/10	C-B82-APN-SW-06	Volatile Petroleum Hydrocarbons	
67833-7	09/20/10	C-B82-APN-SW-07	MADEP EPH	
	09/20/10	C-B82-APN-SW-07	Volatile Petroleum Hydrocarbons	
67833-8	09/20/10	C-B82-APN-SW-08	MADEP EPH	
	09/20/10	C-B82-APN-SW-08	Volatile Petroleum Hydrocarbons	
67833-9	09/20/10	C-B82-APN-SW-09	MADEP EPH	
	09/20/10	C-B82-APN-SW-09	Volatile Petroleum Hydrocarbons	
67833-10	09/20/10	C-B82-APN-SW-10	MADEP EPH	
	09/20/10	C-B82-APN-SW-10	Volatile Petroleum Hydrocarbons	
67833-11	09/20/10	C-B82-APN-SW-11	MADEP EPH	
	09/20/10	C-B82-APN-SW-11	Volatile Petroleum Hydrocarbons	
67833-12	09/20/10	C-B82-APN-SW-12	MADEP EPH	
	09/20/10	C-B82-APN-SW-12	Volatile Petroleum Hydrocarbons	
67833-13	09/20/10	C-B82-APN-SW-13	MADEP EPH	
	09/20/10	C-B82-APN-SW-13	Volatile Petroleum Hydrocarbons	
67833-14	09/20/10	C-B82-APN-SW-14	MADEP EPH	
	09/20/10	C-B82-APN-SW-14	Volatile Petroleum Hydrocarbons	
67833-15	09/20/10	C-B82-APN-SW-15	MADEP EPH	
	09/20/10	C-B82-APN-SW-15	Volatile Petroleum Hydrocarbons	
67833-16	09/20/10	C-B82-APN-B-04D	Electronic Data Deliverable	
	09/20/10	C-B82-APN-B-04D	MADEP EPH	
	09/20/10	C-B82-APN-B-04D	Volatile Petroleum Hydrocarbons	

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 67833

Project Location: NAS SOWEY SOIL PIPE, Bld 82 RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

67833-1 through 67833-16

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☒	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☒	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☒ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 03, 2010

Summary Report

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV092110K2
Matrix: Soil
Percent Solid: 0
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				82
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes elutiug in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV092110K3
Matrix: Soil
Percent Solid: 0
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				83
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Clieut Sample ID: C-B82-APN-B-01

SAMPLE DATA

Lab Sample ID: 67833-1
Matrix: Solid
Percent Solid: 92
Dilution Factor: 61
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3050	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3050	µg/kg	**2070 J**
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	240	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3050	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3050	µg/kg	**2070 J**
C9-C10 Aromatic Hydrocarbons[1]	N/A	610	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				95
Surrogate % Recovery (2,5-Dibromotoluene) FID				89
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-02

SAMPLE DATA

Lab Sample ID: 67833-2
Matrix: Solid
Percent Solid: 90
Dilution Factor: 60
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3000	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3000	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	240	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3000	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3000	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	600	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				99
Surrogate % Recovery (2,5-Dibromotoluene) FID				92
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-03

SAMPLE DATA

Lab Sample ID: 67833-3
Matrix: Solid
Percent Solid: 95
Dilution Factor: 61
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3050	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3050	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	240	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3050	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3050	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	610	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				83
Surrogate % Recovery (2,5-Dibromotoluene) FID				77
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-04

SAMPLE DATA

Lab Sample ID: 67833-4
Matrix: Solid
Percent Solid: 96
Dilution Factor: 64
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3200	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3200	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3200	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3200	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	640	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				83
Surrogate % Recovery (2,5-Dibromotoluene) FID				88
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: Mitchell

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-05

SAMPLE DATA

Lab Sample ID: 67833-5
Matrix: Solid
Percent Solid: 89
Dilution Factor: 59
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2950	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2950	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	240	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2950	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2950	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	590	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				91
Surrogate % Recovery (2,5-Dibromotoluene) FID				99
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-06

SAMPLE DATA

Lab Sample ID: 67833-6
Matrix: Solid
Percent Solid: 91
Dilution Factor: 70
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3500	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	280	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	700	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				89
Surrogate % Recovery (2,5-Dibromotoluene) FID				83
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-07

SAMPLE DATA

Lab Sample ID: 67833-7
Matrix: Solid
Percent Solid: 88
Dilution Factor: 62
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3100	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3100	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	250	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3100	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3100	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	620	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				80
Surrogate % Recovery (2,5-Dibromotoluene) FID				74
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-08

SAMPLE DATA

Lab Sample ID: 67833-8
Matrix: Solid
Percent Solid: 70
Dilution Factor: 94
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	4700	µg/kg	**10800**
Unadjusted C9-C12 Aliphatics[1]	N/A	4700	µg/kg	**10400**
Benzene	C5-C8	190	µg/kg	U
Ethylbenzene	C9-C12	190	µg/kg	U
Methyl-tert-butyl ether	C5-C8	190	µg/kg	U
Naphthalene	N/A	190	µg/kg	U
Toluene	C5-C8	190	µg/kg	U
m- & p-Xylenes	C9-C12	380	µg/kg	**2600**
o-Xylene	C9-C12	190	µg/kg	**504**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	4700	µg/kg	**10800**
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	4700	µg/kg	**3990 J**
C9-C10 Aromatic Hydrocarbons[1]	N/A	940	µg/kg	**3350**
Surrogate % Recovery (2,5-Dibromotoluene) PID				100
Surrogate % Recovery (2,5-Dibromotoluene) FID				92
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-09

SAMPLE DATA

Lab Sample ID: 67833-9
Matrix: Solid
Percent Solid: 88
Dilution Factor: 64
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3200	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3200	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3200	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3200	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	640	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				69*
Surrogate % Recovery (2,5-Dibromotoluene) FID				64*
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.
* Surrogate recovery outside of laboratory acceptance criteria.
* Sample was reanalyzed with similar results.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-09

SAMPLE DATA

Lab Sample ID: 67833-9 RR
Matrix: Solid
Percent Solid: 88
Dilution Factor: 64
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3200	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3200	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3200	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3200	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	640	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				78
Surrogate % Recovery (2,5-Dibromotoluene) FID				69*
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.
* Surrogate recovery outside of laboratory acceptance criteria.
* Sample was reanalyzed with similar results.

Authorized signature: MJuellull

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-10

SAMPLE DATA

Lab Sample ID: 67833-10
Matrix: Solid
Percent Solid: 84
Dilution Factor: 66
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3300	µg/kg	**8530**
Unadjusted C9-C12 Aliphatics[1]	N/A	3300	µg/kg	**16400**
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	**432**
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	**102 J**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3300	µg/kg	**8530**
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3300	µg/kg	**10000**
C9-C10 Aromatic Hydrocarbons[1]	N/A	660	µg/kg	**5790**
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				84
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-11

SAMPLE DATA

Lab Sample ID: 67833-11
Matrix: Solid
Percent Solid: 90
Dilution Factor: 77
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3850	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3850	µg/kg	**2570 J**
Benzene	C5-C8	150	µg/kg	U
Ethylbenzene	C9-C12	150	µg/kg	**97 J**
Methyl-tert-butyl ether	C5-C8	150	µg/kg	U
Naphthalene	N/A	150	µg/kg	U
Toluene	C5-C8	150	µg/kg	U
m- & p-Xylenes	C9-C12	310	µg/kg	U
o-Xylene	C9-C12	150	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3850	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3850	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	770	µg/kg	**1230**
Surrogate % Recovery (2,5-Dibromotoluene) PID				79
Surrogate % Recovery (2,5-Dibromotoluene) FID				73
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: Mark Lebell

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-12

SAMPLE DATA

Lab Sample ID: 67833-12
Matrix: Solid
Percent Solid: 88
Dilution Factor: 68
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3400	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3400	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	270	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3400	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3400	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	680	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				83
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-13

SAMPLE DATA

Lab Sample ID: 67833-13
Matrix: Solid
Percent Solid: 90
Dilution Factor: 70
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3500	µg/kg	**5180**
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	280	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3500	µg/kg	**3360 J**
C9-C10 Aromatic Hydrocarbons[1]	N/A	700	µg/kg	**1820**
Surrogate % Recovery (2,5-Dibromotoluene) PID				93
Surrogate % Recovery (2,5-Dibromotoluene) FID				96
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: Mitchell

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-14

SAMPLE DATA

Lab Sample ID: 67833-14
Matrix: Solid
Percent Solid: 85
Dilution Factor: 71.28
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3560	µg/kg	**171000 E**
Unadjusted C9-C12 Aliphatics[1]	N/A	3560	µg/kg	**172000 E**
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	**4070**
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	**879**
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	290	µg/kg	**1190**
o-Xylene	C9-C12	140	µg/kg	**1200**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3560	µg/kg	**171000 E**
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3560	µg/kg	**101000 E**
C9-C10 Aromatic Hydrocarbons[1]	N/A	710	µg/kg	**65200 E**
Surrogate % Recovery (2,5-Dibromotoluene) PID				113
Surrogate % Recovery (2,5-Dibromotoluene) FID				161*
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis. *Surrogate recovery was affected by sample matrix interference. Sample was reanalyzed at a dilution.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-14

SAMPLE DATA

Lab Sample ID: 67833-14 DL
Matrix: Solid
Percent Solid: 85
Dilution Factor: 356
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	17800	µg/kg	**176000**
Unadjusted C9-C12 Aliphatics[1]	N/A	17800	µg/kg	**190000**
Benzene	C5-C8	710	µg/kg	U
Ethylbenzene	C9-C12	710	µg/kg	**4440**
Methyl-tert-butyl ether	C5-C8	710	µg/kg	U
Naphthalene	N/A	710	µg/kg	**1570**
Toluene	C5-C8	710	µg/kg	U
m- & p-Xylenes	C9-C12	1420	µg/kg	**1720**
o-Xylene	C9-C12	710	µg/kg	**1470**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	17800	µg/kg	**176000**
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	17800	µg/kg	**107000**
C9-C10 Aromatic Hydrocarbons[1]	N/A	3560	µg/kg	**75500**
Surrogate % Recovery (2,5-Dibromotoluene) PID				103
Surrogate % Recovery (2,5-Dibromotoluene) FID				112
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-15

SAMPLE DATA

Lab Sample ID: 67833-15
Matrix: Solid
Percent Solid: 91
Dilution Factor: 63
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Aualysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3150	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3150	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	250	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3150	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3150	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	630	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				89
Surrogate % Recovery (2,5-Dibromotoluene) FID				80
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-04D

SAMPLE DATA

Lab Sample ID: 67833-16
Matrix: Solid
Percent Solid: 96
Dilution Factor: 58
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2900	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2900	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	230	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2900	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2900	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	580	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				86
Surrogate % Recovery (2,5-Dibromotoluene) FID				80
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67833

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV092110K	74		81	
LSV092110K2	79		87	
MBV092110K2	82		88	
67833-1	89		95	
67833-2	92		99	
67833-3	77		83	
67833-4	88		83	
67833-5	99		91	
67833-6	83		89	
67833-7	76		82	
67833-8	92		100	
67833-10	84		88	
67833-12	83		88	
67833-13	96		93	
67833-16	80		86	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67833

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV092110K3	92		83	
LSV092110K4	98		107	
MBV092110K3	83		88	
67833-6,MS	74		78	
67833-6,MSD	89		93	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67833

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV092210K	79		90	
LSV092210K2	102		118	
MBV092210K	81		92	
67833-9,RR	69	*	78	
67833-11	73		79	
67833-15	80		89	
67833-14,5X	112		103	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67833
Non-spiked sample: MBV092110K2
Spike: LSV092110K
Spike duplicate: LSV092110K2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4637	93		4951	99		7	
2-Methylpentane	5000	5000	70	130	25	0	4503	90		4797	96		6	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	4941	99		5031	101		2	
n-Decane	5000	5000	70	130	25	0	4639	93		4923	98		6	
n-Butylcyclohexane	5000	5000	70	130	25	0	4437	89		4703	94		6	
Methyl-t-butylether #2	5000	5000	70	130	25	0	3945	79		4217	84		7	
Benzene #2	5000	5000	70	130	25	0	4291	86		4512	90		5	
Toluene #2	5000	5000	70	130	25	0	4272	85		4518	90		6	
Ethylbenzene #2	5000	5000	70	130	25	0	4168	83		4399	88		5	
m,p-Xylene #2	10000	10000	70	130	25	0	8597	86		9052	91		5	
o-Xylene #2	5000	5000	70	130	25	0	4069	81		4281	86		5	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4111	82		4340	87		5	
Naphthalene #2	5000	5000	70	130	25	0	3627	73		4010	80		10	
C5-C8 Aliphatics	15000	15000	70	130	25	0	14081	94		14778	99		5	
C9-C12 Aliphatics	10000	10000	70	130	25	0	9076	91		9626	96		6	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4111	82		4340	87		5	

Column to be used to flag reeovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow ealculation of spike recovery.

Comments: _____

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67833
Non-spiked sample: MBV092110K3
Spike: LSV092110K3
Spike duplicate: LSV092110K4

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4624	92		5949	119		25	
2-Methylpentane	5000	5000	70	130	25	0	4512	90		5767	115		24	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	4983	100		5774	115		15	
n-Decane	5000	5000	70	130	25	0	4677	94		5968	119		24	
n-Butylcyclohexane	5000	5000	70	130	25	0	4599	92		5746	115		22	
Methyl-t-butylether #2	5000	5000	70	130	25	0	3946	79		5040	101		24	
Benzene #2	5000	5000	70	130	25	0	4300	86		5429	109		23	
Toluene #2	5000	5000	70	130	25	0	4278	86		5413	108		23	
Ethylbenzene #2	5000	5000	70	130	25	0	4157	83		5283	106		24	
m,p-Xylene #2	10000	10000	70	130	25	0	8579	86		10850	109		23	
o-Xylene #2	5000	5000	70	130	25	0	4078	82		5179	104		24	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4136	83		5242	105		24	
Naphthalene #2	5000	5000	70	130	25	0	3588	72		4736	95		28	*
C5-C8 Aliphatics	15000	15000	70	130	25	0	14118	94		17490	117		21	
C9-C12 Aliphatics	10000	10000	70	130	25	0	9276	93		11714	117		23	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4136	83		5242	105		24	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67833
Non-spiked sample: MBV092210K
Spike: LSV092210K
Spike duplicate: LSV092210K2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4926	99		6006	120		20	
2-Methylpentane	5000	5000	70	130	25	0	4783	96		5785	116		19	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	5200	104		5430	109		4	
n-Decane	5000	5000	70	130	25	0	5172	103		6344	127		20	
n-Butylcyclohexane	5000	5000	70	130	25	0	4829	97		5908	118		20	
Methyl-t-butylether #2	5000	5000	70	130	25	0	4163	83		5444	109		27	*
Benzene #2	5000	5000	70	130	25	0	4727	95		5890	118		22	
Toluene #2	5000	5000	70	130	25	0	4744	95		5930	119		22	
Ethylbenzene #2	5000	5000	70	130	25	0	4623	92		5719	114		21	
m,p-Xylene #2	10000	10000	70	130	25	0	9508	95		11691	117		21	
o-Xylene #2	5000	5000	70	130	25	0	4556	91		5625	113		21	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4634	93		5686	114		20	
Naphthalene #2	5000	5000	70	130	25	0	3706	74		5355	107		36	*
C5-C8 Aliphatics	15000	15000	70	130	25	0	14909	99		17221	115		14	
C9-C12 Aliphatics	10000	10000	70	130	25	0	10002	100		12253	123		20	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4634	93		5686	114		20	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOLATILE PETROLEUM HYDROCARBONS SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67833
Non-spiked sample: 67833-6
Spike: 67833-6,MS
Spike duplicate: 67833-6,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5353	5547	70	130	25	0	4373	82		5668	102		26	*
2-Methylpentane	5353	5547	70	130	25	0	4299	80		5546	100		25	*
2,2,4-Trimethylpentane	5353	5547	70	130	25	0	4770	89		6068	109		24	
n-Decane	5353	5547	70	130	25	0	3699	69	*	5154	93		33	*
n-Butylcyclohexane	5353	5547	70	130	25	0	3895	73		5126	92		27	*
Methyl-t-butylether #2	5353	5547	70	130	25	0	3889	73		5047	91		26	*
Benzene #2	5353	5547	70	130	25	0	4310	81		5507	99		24	
Toluene #2	5353	5547	70	130	25	0	4290	80		5486	99		24	
Ethylbenzene #2	5353	5547	70	130	25	0	4183	78		5339	96		24	
m,p-Xylene #2	10706	11095	70	130	25	0	8619	81		10983	99		24	
o-Xylene #2	5353	5547	70	130	25	0	4105	77		5233	94		24	
1,2,4-Trimethylbenzene #2	5353	5547	70	130	25	0	4192	78		5295	95		23	
Naphthalene #2	5353	5547	70	130	25	0	3471	65	*	4596	83		28	*
C5-C8 Aliphatics	16059	16642	70	130	25	0	13443	84		17282	104		25	
C9-C12 Aliphatics	10706	11095	70	130	25	0	7594	71		10279	93		30	*
C9-C10 Aromatics #2	5353	5547	70	130	25	0	4192	78		5295	95		23	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VPH FORM 3

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

072210-K

VPH Surrogate: -

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	~~07~~ VPH072210.M	BLK	5ml	–	–		K27978	JJL	n/a
2		VPH 100		200ul	V8896	✓, changed trap + baked	79SC		
3		BLK		–	–		80		
4		VPH 100		200ul	V8896	✓	81SC		
5		LSV072210K	100ml/5ml	5ul	V8899	↑ Pentane, changed sparge tube	82Q		
6		BLK	5ml	–	–		83		
7		LSV072210K.RR	100ml/5ml	5ul	V8899	↑ Pentane, Recal.	84Q		
8		BLK	5ml	–	–	co concern	85		
9		VPH 1		2ul	V8910	✓	86SI		
10		VPH 2		4ul		✓	87SI		
11		VPH 5		10ul		✓	88SI		
12		VPH 20		40ul		✓	89SI		
13		VPH 50		100ul		✓	90SI		
14		VPH 100		200ul		✓	91SI		
15		VPH 200		400ul		✓	92SI		
16		BLK		–	–	co concern	93		
17		VPH 500		1ml	V8910	✓	94SI		
18		BLK		–	–	co concern	95		
19		LV072210K.ICV		100ul	V8998	✓	96Q		
20		VPH 100		200ul	V8910	✓ Test theory on instr.	97		

gg 7/23/10

Analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

092110-K

VPH Surrogate: ① V9034 x 3/17/11 ② V9040 x 3/21/11

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments		File #	Analyst	pH
1	VPH072210.m	BLK	5ml	–	–			K28995	JJL	n/a
2		VPH 100		200ul	V9035	✓		96		
3		LSV092110K	100ul/5ml	5ul	V9033	✓		97		
4		LSV092110K2				✓		98		
5		BLK	5ml	–	–			99		
6		MBV092110K	100ul/5ml	10ul	V9034	succ fails, Remake std		K29000B		
7		MBV092110K2		10ul	V9040	✓		01B		
8		67833-1	100ul/5ml		①	✓		02		
9		-2				✓		03		
10		-3				✓		04		
11		-4				✓		05		
12		-5				✓		06		
13		-6				✓		07		
14		-7				✓		08		
15		-8				✓		09		
16		-9				RR str.		10		
17		-10				✓		11		
18		-11				RR str.		12		
19		-12				✓		13		
20		-13				✓		14		
21		-14				RR SX		15		
22		-15				RR str.		16		
23		-16				✓		17		
24		67835-6				✓		18		
25		VPH 100	5ml	200ul	V9035	✓		19SC		
26		~~VPH 100~~ LSV092110K3	100ul/5ml	5ul	V9033	✓	~~] 2 RPD hits, writememo~~	20 ~~RR~~		
27		LSV092110K4				✓		21 Q		
28		BLK	5ml	–	–			22		
29		MBV092110K3	100ul/5ml	10ul	V9040	✓		23B		
30		67834-1			②	✓	8:28	24		
31		-2				✓	9:15	25		
32		-3				✓	10:95	26		
33		-4				✓	7:97	27		
34		-5				RR	8:26	28		
35		-7				RR str.	9:54	29		
36		-8				✓	8:58	30		
37		-11				✓	7:81	31		
38		-12				✓	8:51	32		
39		-14				✓	10:33	33		
40		-15				✓	10:00	34		

(cont.)

Analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

092110-K (cont.)

VPH Surrogate: (2) V9040 x.3/21/11

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution		Comments	File #	Analyst	pH
41	VPH0722.10.m	67834-16	100ml/5ml	10ml	(2)	✓	8.92	K29035	JTL	n/A
42		-17				✓	8.53	36		
43		-18				✓	9.35	37		
44		-19				✓	7.90	38		
45		67833-6,MS		5ml	V9033	✓	10.27	39SP		
46		-6,MSD				✓	9.91	40SP		
47		VPH100	5ml	200ml ~~V9035~~	V9035	✓		41SC		
48		VPH100		200ml		✓		42SC		

gg 9/22/10

ANALYTICS LLC/ELD

Analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gs

Unload: gs

092210-K

VPH Surrogate: ① V9040 X. 3/21/11

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	VPH072210.m	BLK	5ml	–	–		K29043	JJL	N/A
2		VPH 100		200ul	V9035 ✓		44		
3		LSV092210K	100ml/5ml	5ul	V9033 ✓	2 RPD hits ~~All ranges ok~~	45		
4		LSV092210K2			✓		46		
5		BLK	5mL	–	–		47		
6		MBV092210K	100ml/5ml	10ul	V9040 ✓		48		
7		67833-9			① ✓	10:04	49		
8		-11			✓	7:14	50		
9		-15			✓	9:48	51		
10		67834-7			✓	9:54	52		
11		-18,MS		5ul	V9033 ✓	9:53	53		
12		-18,MSD			✓	8:08	54		
13		67833-14,5X	20ml/5ml	10ul	① ✓	9:49	55		
14		67834-5,5X			✓	8:26	56		
15		67807-3,5X			✓	8:37	57		
16		VPH100	5ml	200ul	V9035 ✓		58SC		
17		VPH100			✓		59SC		

gs 9/28/10

Response Factor Report HP G1530A

Method Path : C:\msdchem\1\METHODS\
Method File : VPH072210.M
Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
Last Update : Fri Jul 23 15:04:23 2010
Response Via : Initial Calibration

Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

SB 7/26/10

		Compound	2	5	20	50	0.5	100	Avg	%RSD
1)	ZM	Pentane	6.623	6.311	7.147	7.202		7.570	6.997 E3	6.67
2)	ZM	2-Methylpentane	8.536	7.466	8.207	8.247		8.690	8.185 E3	5.68
3)	T	Methyl-t-buty...							0.000	-1.00
4)	ZM	2,2,4-Trimeth...	8.216	7.647	8.896	8.375		7.993	7.717 E3	12.43
5)	T	Benzene							0.000	-1.00
6)	T	Toluene							0.000	-1.00
7)	XH	C5-C8 ALIPHATICS	7.792	7.141	8.083	7.941		8.084	7.325 E3	12.19
8)		n-Nonane							0.000	-1.00
9)	T	Ethylbenzene							0.000	-1.00
10)	T	m,p-Xylene							0.000	-1.00
11)	T	o-Xylene							0.000	-1.00
12)	ZM	n-Decane	6.039	4.950	5.191	5.579		7.997	6.897 E3	23.76
13)	ZM	n-Butylcycloh...	6.357	6.435	6.593	6.777		8.029	7.361 E3	16.80
14)	XH	C9-C12 ALIPHA...	6.198	5.693	5.892	6.178		8.013	7.129 E3	19.33
15)	Z	1,2,4-Trimeth...							0.000	-1.00
16)	XH	C9-C10 AROMATICS							0.000	-1.00
17)	T	Naphthalene							0.000	-1.00
18)	S	2,5-Dibromoto...	3.791	2.742	2.584	2.712		2.859	2.941 E3	13.62

Signal #2 Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

SBB 7/26/10

		Compound	2	5	20	50	0.5	100	Avg	%RSD
1)	Z	Pentane							0.000	-1.00
2)	Z	2-Methylpentane							0.000	-1.00
3)	TM	Methyl-t-buty...	5.373	4.158	4.484	4.526		4.479	4.664 E3	12.22
4)	Z	2,2,4-Trimeth...							0.000	-1.00
5)	TM	Benzene	1.280	1.265	1.309	1.312		1.321	1.301 E4	1.56
6)	TM	Toluene	1.248	1.135	1.190	1.197		1.223	1.193 E4	3.83
7)	XH	C5-C8 ALIPHATICS							0.000	-1.00
8)		n-Nonane							0.000	-1.00
9)	TM	Ethylbenzene	1.177	0.993	1.048	1.061		1.087	1.093 E4	6.11
10)	TM	m,p-Xylene	1.224	1.143	1.234	1.248		1.283	1.255 E4	5.18
11)	TM	o-Xylene	1.143	0.990	1.048	1.062		1.083	1.119 E4	12.52
12)	Z	n-Decane							0.000	-1.00
13)	Z	n-Butylcycloh...							0.000	-1.00
14)	XH	C9-C12 ALIPHA...							0.000	-1.00
15)	ZM	1,2,4-Trimeth...	1.101	0.986	1.065	1.097		1.136	1.180 E4	20.03
16)	XH	C9-C10 AROMATICS	1.101	0.986	1.065	1.097		1.136	1.180 E4	20.03
17)	TM	Naphthalene	1.007	0.881	0.939	0.971		0.997	1.019 E4	14.63
18)	S	2,5-Dibromoto...	8.562	6.808	7.149	7.585		8.153	7.893 E3	9.31

(#) = Out of Range ### Number of calibration levels exceeded format ###

VOLATILE PETROLEUM HYDROCARBONS AQUEOUS
LABORATORY CONTROL SAMPLE

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: LV072210K,ICV
Spike: LV072210K,ICV

SS 7/26/10
VMT 7/26/10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
Pentane	100	70	130	0.0	119	119	
2-Methylpentane	100	70	130	0.0	111	111	
2,2,4-Trimethylpentane	100	70	130	0.0	96	96	
n-Decane	100	70	130	0.0	111	111	
n-Butylcyclohexane	100	70	130	0.0	102	102	
Methyl-t-butylether #2	100	70	130	0.0	95	95	
Benzene #2	100	70	130	0.0	103	103	
Toluene #2	100	70	130	0.0	103	103	
Ethylbenzene #2	100	70	130	0.0	99	99	
m,p-Xylene #2	200	70	130	0.0	204	102	
o-Xylene #2	100	70	130	0.0	97	97	
1,2,4-Trimethylbenzene #2	100	70	130	0.0	97	97	
Naphthalene #2	100	70	130	0.0	100	100	
C5-C8 Aliphatics	300	70	130	0.0	326	109	
C9-C12 Aliphatics	200	70	130	0.0	213	107	
C9-C10 Aromatics #2	100	70	130	0.0	97	97	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VPH FORM 3

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67833
Standard ID: VPH 100 UG/L
Data File ID: K28996SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	97	3.0	
2-Methylpentane	99	1.4	
2,2,4-Trimethylpentane	113	13.1	
n-Decane	106	6.3	
n-Butylcyclohexane	100	0.5	
2,5-Dibromotoluene	79	20.6	
Methyl-t-butylether #2	88	11.7	
Benzene #2	98	1.5	
Toluene #2	100	0.5	
Ethylbenzene #2	96	3.7	
m,p-Xylene #2	199	0.7	
o-Xylene #2	95	5.5	
1,2,4-Trimethylbenzene #2	93	7.3	
Naphthalene #2	76	23.9	
2,5-Dibromotoluene #2	87	12.6	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67833
Standard ID: VPH 100 UG/L
Data File ID: K29019SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	9.9	
2-Methylpentane	91	9.1	
2,2,4-Trimethylpentane	106	5.9	
n-Decane	94	5.9	
n-Butylcyclohexane	89	10.6	
2,5-Dibromotoluene	83	16.7	
Methyl-t-butylether #2	90	9.9	
Benzene #2	97	3.2	
Toluene #2	97	2.7	
Ethylbenzene #2	95	5.0	
m,p-Xylene #2	194	2.9	
o-Xylene #2	93	7.3	
1,2,4-Trimethylbenzene #2	92	8.2	
Naphthalene #2	78	21.8	
2,5-Dibromotoluene #2	90	10.1	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67833
Standard ID: VPH 100 UG/L
Data File ID: K29041SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	10.1	
2-Methylpentane	90	9.8	
2,2,4-Trimethylpentane	104	4.1	
n-Decane	86	13.7	
n-Butylcyclohexane	85	15.0	
2,5-Dibromotoluene	86	14.1	
Methyl-t-butylether #2	91	8.7	
Benzene #2	97	3.1	
Toluene #2	97	2.8	
Ethylbenzene #2	95	5.3	
m,p-Xylene #2	194	2.8	
o-Xylene #2	92	7.9	
1,2,4-Trimethylbenzene #2	91	9.2	
Naphthalene #2	84	15.5	
2,5-Dibromotoluene #2	92	8.4	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67833
Standard ID: VPH 100 UG/L
Data File ID: K29042SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	10.4	
2-Methylpentane	90	9.9	
2,2,4-Trimethylpentane	103	2.8	
n-Decane	90	9.9	
n-Butylcyclohexane	88	12.4	
2,5-Dibromotoluene	88	11.7	
Methyl-t-butylether #2	93	7.4	
Benzene #2	97	3.1	
Toluene #2	97	2.5	
Ethylbenzene #2	95	5.0	
m,p-Xylene #2	195	2.4	
o-Xylene #2	93	7.0	
1,2,4-Trimethylbenzene #2	92	8.2	
Naphthalene #2	87	12.9	
2,5-Dibromotoluene #2	94	6.2	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67833
Standard ID: VPH 100 UG/L
Data File ID: K29044SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	93	6.9	
2-Methylpentane	96	4.3	
2,2,4-Trimethylpentane	110	10.3	
n-Decane	106	5.5	
n-Butylcyclohexane	99	1.0	
2,5-Dibromotoluene	80	19.7	
Methyl-t-butylether #2	96	3.9	
Benzene #2	99	0.9	
Toluene #2	100	0.3	
Ethylbenzene #2	97	3.0	
m,p-Xylene #2	199	0.4	
o-Xylene #2	95	4.9	
1,2,4-Trimethylbenzene #2	94	6.0	
Naphthalene #2	88	12.3	
2,5-Dibromotoluene #2	90	10.3	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67833
Standard ID: VPH 100 UG/L
Data File ID: K29058SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	92	8.4	
2-Methylpentane	94	6.0	
2,2,4-Trimethylpentane	95	5.4	
n-Decane	105	4.5	
n-Butylcyclohexane	102	1.8	
2,5-Dibromotoluene	101	1.5	
Methyl-t-butylether #2	93	7.5	
Benzene #2	97	3.1	
Toluene #2	97	2.7	
Ethylbenzene #2	95	4.6	
m,p-Xylene #2	195	2.4	
o-Xylene #2	94	6.4	
1,2,4-Trimethylbenzene #2	93	6.7	
Naphthalene #2	98	2.0	
2,5-Dibromotoluene #2	101	1.5	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67833
Standard ID: VPH 100 UG/L
Data File ID: K29059SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	10.1	
2-Methylpentane	92	7.6	
2,2,4-Trimethylpentane	94	5.5	
n-Decane	105	4.8	
n-Butylcyclohexane	100	0.5	
2,5-Dibromotoluene	93	7.4	
Methyl-t-butylether #2	95	5.5	
Benzene #2	98	2.2	
Toluene #2	98	2.2	
Ethylbenzene #2	96	4.2	
m,p-Xylene #2	197	1.6	
o-Xylene #2	94	6.0	
1,2,4-Trimethylbenzene #2	94	6.3	
Naphthalene #2	97	3.3	
2,5-Dibromotoluene #2	101	1.3	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67833

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K28996SC.D	9/21/2010 7:16	11.353		11.353	
Upper Limit			11.383		11.383	
Lower limit			11.323		11.323	

SAMPLE ID

LSV092110K	K28997Q.D	9/21/2010 7:54	11.353		11.353	
LSV092110K2	K28998Q.D	9/21/2010 8:19	11.353		11.353	
MBV092110K2	K29001B.D	9/21/2010 9:59	11.354		11.353	
67833-1	K29002.D	9/21/2010 10:48	11.354		11.353	
67833-2	K29003.D	9/21/2010 11:13	11.353		11.353	
67833-3	K29004.D	9/21/2010 11:38	11.354		11.353	
67833-4	K29005.D	9/21/2010 12:02	11.353		11.353	
67833-5	K29006.D	9/21/2010 12:27	11.353		11.353	
67833-6	K29007.D	9/21/2010 12:52	11.353		11.353	
67833-7	K29008.D	9/21/2010 13:17	11.353		11.353	
67833-8	K29009.D	9/21/2010 13:41	11.354		11.353	
67833-10	K29011.D	9/21/2010 14:30	11.354		11.353	
67833-12	K29013.D	9/21/2010 15:20	11.354		11.353	
67833-13	K29014.D	9/21/2010 15:44	11.354		11.353	
67833-16	K29017.D	9/21/2010 16:58	11.354		11.354	
VPH 100 UG/L	K29019SC.D	9/21/2010 17:47	11.354		11.353	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67833

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K29019SC.D	9/21/2010 17:47	11.354		11.353	
Upper Limit			11.384		11.383	
Lower limit			11.324		11.323	

SAMPLE ID

LSV092110K3	K29020Q.D	9/21/2010 18:36	11.355		11.354	
LSV092110K4	K29021Q.D	9/21/2010 19:00	11.354		11.354	
MBV092110K3	K29023B.D	9/21/2010 19:50	11.354		11.353	
67833-6,MS	K29039SP.D	9/22/2010 2:25	11.354		11.353	
67833-6,MSD	K29040SP.D	9/22/2010 2:50	11.355		11.354	
VPH 100 UG/L	K29041SC.D	9/22/2010 3:14	11.354		11.354	
VPH 100 UG/L	K29042SC.D	9/22/2010 3:39	11.354		11.354	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67833

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K29044SC.D	9/22/2010 9:07	11.354		11.353	
Upper Limit			11.384		11.383	
Lower limit			11.324		11.323	
SAMPLE ID						
LSV092210K	K29045Q.D	9/22/2010 10:09	11.353		11.352	
LSV092210K2	K29046Q.D	9/22/2010 10:34	11.353		11.352	
MBV092210K	K29048B.D	9/22/2010 11:32	11.352		11.352	
67833-9,RR	K29049.D	9/22/2010 12:10	11.353		11.352	
67833-11	K29050.D	9/22/2010 12:36	11.353		11.352	
67833-15	K29051.D	9/22/2010 13:02	11.352		11.351	
67833-14,5X	K29055.D	9/22/2010 14:46	11.353		11.352	
VPH 100 UG/L	K29058SC.D	9/22/2010 16:08	11.355		11.355	
VPH 100 UG/L	K29059SC.D	9/22/2010 16:33	11.354		11.354	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B092010EASE
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				65
Aromatic Surrogate % Recovery (O-Terphenyl)				79
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				82
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				75
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mululall

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-01

SAMPLE DATA

Lab Sample ID: 67833-1
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28000	µg/kg	U
Diesel PAH Analytes	Naphthalene	280	µg/kg	U
	2-Methylnaphthalene	280	µg/kg	U
	Phenanthrene	280	µg/kg	U
	Acenaphthene	280	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	280	µg/kg	U
	Fluorene	280	µg/kg	U
	Anthracene	280	µg/kg	U
	Fluoranthene	280	µg/kg	U
	Pyrene	280	µg/kg	U
	Benzo[a]anthracene	280	µg/kg	U
	Chrysene	280	µg/kg	U
	Benzo[b]fluoranthene	280	µg/kg	U
	Benzo[k]fluoranthene	280	µg/kg	U
	Benzo[a]pyrene	280	µg/kg	U
	Indeno[1,2,3-cd]pyrene	280	µg/kg	U
	Dibenzo[a,h]anthracene	280	µg/kg	U
	Benzo[g,h,i]perylene	280	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		28000	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		28000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		28000	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				66
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				74
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				70
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mfuhrhull

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-02

SAMPLE DATA

Lab Sample ID: 67833-2
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28400	µg/kg	U
Diesel PAH Analytes	Naphthalene	284	µg/kg	U
	2-Methylnaphthalene	284	µg/kg	U
	Phenanthrene	284	µg/kg	U
	Acenaphthene	284	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	284	µg/kg	U
	Fluorene	284	µg/kg	U
	Anthracene	284	µg/kg	U
	Fluoranthene	284	µg/kg	U
	Pyrene	284	µg/kg	U
	Benzo[a]anthracene	284	µg/kg	U
	Chrysene	284	µg/kg	U
	Benzo[b]fluoranthene	284	µg/kg	U
	Benzo[k]fluoranthene	284	µg/kg	U
	Benzo[a]pyrene	284	µg/kg	U
	Indeno[1,2,3-cd]pyrene	284	µg/kg	U
	Dibenzo[a,h]anthracene	284	µg/kg	U
	Benzo[g,h,i]perylene	284	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		28400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		28400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		28400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				58
Aromatic Surrogate % Recovery (O-Terphenyl)				70
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				76
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				74
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mulhall

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-03

SAMPLE DATA

Lab Sample ID: 67833-3
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27600	µg/kg	U
Diesel PAH Analytes	Naphthalene	276	µg/kg	U
	2-Methylnaphthalene	276	µg/kg	U
	Phenanthrene	276	µg/kg	U
	Acenaphthene	276	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	276	µg/kg	U
	Fluorene	276	µg/kg	U
	Anthracene	276	µg/kg	U
	Fluoranthene	276	µg/kg	U
	Pyrene	276	µg/kg	U
	Benzo[a]anthracene	276	µg/kg	U
	Chrysene	276	µg/kg	U
	Benzo[b]fluoranthene	276	µg/kg	U
	Benzo[k]fluoranthene	276	µg/kg	U
	Benzo[a]pyrene	276	µg/kg	U
	Indeno[1,2,3-cd]pyrene	276	µg/kg	U
	Dibenzo[a,h]anthracene	276	µg/kg	U
	Benzo[g,h,i]perylene	276	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27600	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				59
Aromatic Surrogate % Recovery (O-Terphenyl)				71
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				82
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				76
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: [signature]

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-04

SAMPLE DATA

Lab Sample ID: 67833-4
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26500	µg/kg	U
Diesel PAH Analytes	Naphthalene	265	µg/kg	U
	2-Methylnaphthalene	265	µg/kg	U
	Phenanthrene	265	µg/kg	U
	Acenaphthene	265	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	265	µg/kg	U
	Fluorene	265	µg/kg	U
	Anthracene	265	µg/kg	U
	Fluoranthene	265	µg/kg	U
	Pyrene	265	µg/kg	U
	Benzo[a]anthracene	265	µg/kg	U
	Chrysene	265	µg/kg	U
	Benzo[b]fluoranthene	265	µg/kg	U
	Benzo[k]fluoranthene	265	µg/kg	U
	Benzo[a]pyrene	265	µg/kg	U
	Indeno[1,2,3-cd]pyrene	265	µg/kg	U
	Dibenzo[a,h]anthracene	265	µg/kg	U
	Benzo[g,h,i]perylene	265	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26500	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26500	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26500	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				77
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				83
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				70
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mpulbell

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-05

SAMPLE DATA

Lab Sample ID: 67833-5
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29700	µg/kg	U
Diesel PAH Analytes	Naphthalene	297	µg/kg	U
	2-Methylnaphthalene	297	µg/kg	U
	Phenanthrene	297	µg/kg	U
	Acenaphthene	297	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	297	µg/kg	U
	Fluorene	297	µg/kg	U
	Anthracene	297	µg/kg	U
	Fluoranthene	297	µg/kg	U
	Pyrene	297	µg/kg	U
	Benzo[a]anthracene	297	µg/kg	U
	Chrysene	297	µg/kg	U
	Benzo[b]fluoranthene	297	µg/kg	U
	Benzo[k]fluoranthene	297	µg/kg	U
	Benzo[a]pyrene	297	µg/kg	U
	Indeno[1,2,3-cd]pyrene	297	µg/kg	U
	Dibenzo[a,h]anthracene	297	µg/kg	U
	Benzo[g,h,i]perylene	297	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		29700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				49
Aromatic Surrogate % Recovery (O-Terphenyl)				67
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				80
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				74
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mahlkell

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-06

SAMPLE DATA

Lab Sample ID: 67833-6
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28400	µg/kg	U
Diesel PAH Analytes	Naphthalene	284	µg/kg	U
	2-Methylnaphthalene	284	µg/kg	U
	Phenanthrene	284	µg/kg	U
	Acenaphthene	284	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	284	µg/kg	U
	Fluorene	284	µg/kg	U
	Anthracene	284	µg/kg	U
	Fluoranthene	284	µg/kg	U
	Pyrene	284	µg/kg	U
	Benzo[a]anthracene	284	µg/kg	U
	Chrysene	284	µg/kg	U
	Benzo[b]fluoranthene	284	µg/kg	U
	Benzo[k]fluoranthene	284	µg/kg	U
	Benzo[a]pyrene	284	µg/kg	U
	Indeno[1,2,3-cd]pyrene	284	µg/kg	U
	Dibenzo[a,h]anthracene	284	µg/kg	U
	Benzo[g,h,i]perylene	284	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		28400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		28400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		28400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				56
Aromatic Surrogate % Recovery (O-Terphenyl)				58
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				73
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				70
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mulcahell

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-07

SAMPLE DATA

Lab Sample ID: 67833-7
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		30300	µg/kg	U
Diesel PAH Analytes	Naphthalene	303	µg/kg	U
	2-Methylnaphthalene	303	µg/kg	U
	Phenanthrene	303	µg/kg	U
	Acenaphthene	303	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	303	µg/kg	U
	Fluorene	303	µg/kg	U
	Anthracene	303	µg/kg	U
	Fluoranthene	303	µg/kg	U
	Pyrene	303	µg/kg	U
	Benzo[a]anthracene	303	µg/kg	U
	Chrysene	303	µg/kg	U
	Benzo[b]fluoranthene	303	µg/kg	U
	Benzo[k]fluoranthene	303	µg/kg	U
	Benzo[a]pyrene	303	µg/kg	U
	Indeno[1,2,3-cd]pyrene	303	µg/kg	U
	Dibenzo[a,h]anthracene	303	µg/kg	U
	Benzo[g,h,i]perylene	303	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		30300	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		30300	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		30300	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				55
Aromatic Surrogate % Recovery (O-Terphenyl)				72
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				87
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				73
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-08

SAMPLE DATA

Lab Sample ID: 67833-8
Matrix: Solid
Percent Solid: 70
Dilution Factor: 1.4
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		37900	µg/kg	U
Diesel PAH Analytes	Naphthalene	379	µg/kg	U
	2-Methylnaphthalene	379	µg/kg	U
	Phenanthrene	379	µg/kg	U
	Acenaphthene	379	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	379	µg/kg	U
	Fluorene	379	µg/kg	U
	Anthracene	379	µg/kg	U
	Fluoranthene	379	µg/kg	U
	Pyrene	379	µg/kg	U
	Benzo[a]anthracene	379	µg/kg	U
	Chrysene	379	µg/kg	U
	Benzo[b]fluoranthene	379	µg/kg	U
	Benzo[k]fluoranthene	379	µg/kg	U
	Benzo[a]pyrene	379	µg/kg	U
	Indeno[1,2,3-cd]pyrene	379	µg/kg	U
	Dibenzo[a,h]anthracene	379	µg/kg	U
	Benzo[g,h,i]perylene	379	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		37900	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		37900	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		37900	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				48
Aromatic Surrogate % Recovery (O-Terphenyl)				52
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				76
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				75
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mahlull

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-09

SAMPLE DATA

Lab Sample ID: 67833-9
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29900	µg/kg	U
Diesel PAH Analytes	Naphthalene	299	µg/kg	U
	2-Methylnaphthalene	299	µg/kg	U
	Phenanthrene	299	µg/kg	U
	Acenaphthene	299	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	299	µg/kg	U
	Fluorene	299	µg/kg	U
	Anthracene	299	µg/kg	U
	Fluoranthene	299	µg/kg	U
	Pyrene	299	µg/kg	U
	Benzo[a]anthracene	299	µg/kg	U
	Chrysene	299	µg/kg	U
	Benzo[b]fluoranthene	299	µg/kg	U
	Benzo[k]fluoranthene	299	µg/kg	U
	Benzo[a]pyrene	299	µg/kg	U
	Indeno[1,2,3-cd]pyrene	299	µg/kg	U
	Dibenzo[a,h]anthracene	299	µg/kg	U
	Benzo[g,h,i]perylene	299	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		29900	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29900	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29900	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				58
Aromatic Surrogate % Recovery (O-Terphenyl)				71
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				84
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				82
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mahlell

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-10

SAMPLE DATA

Lab Sample ID:	67833-10
Matrix:	Solid
Percent Solid:	84
Dilution Factor:	1.2
Collection Date:	09/20/10
Lab Receipt Date:	09/20/10
Extraction Date:	09/20/10
Analysis Date:	09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		31400	µg/kg	U
Diesel PAH Analytes	Naphthalene	314	µg/kg	U
	2-Methylnaphthalene	314	µg/kg	U
	Phenanthrene	314	µg/kg	U
	Acenaphthene	314	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	314	µg/kg	U
	Fluorene	314	µg/kg	U
	Anthracene	314	µg/kg	U
	Fluoranthene	314	µg/kg	U
	Pyrene	314	µg/kg	U
	Benzo[a]anthracene	314	µg/kg	U
	Chrysene	314	µg/kg	U
	Benzo[b]fluoranthene	314	µg/kg	U
	Benzo[k]fluoranthene	314	µg/kg	U
	Benzo[a]pyrene	314	µg/kg	U
	Indeno[1,2,3-cd]pyrene	314	µg/kg	U
	Dibenzo[a,h]anthracene	314	µg/kg	U
	Benzo[g,h,i]perylene	314	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		31400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		31400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		31400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				52
Aromatic Surrogate % Recovery (O-Terphenyl)				62
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				76
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				73
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mkhilull

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-11

SAMPLE DATA

Lab Sample ID: 67833-11
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29000	µg/kg	U
Diesel PAH Analytes	Naphthalene	290	µg/kg	U
	2-Methylnaphthalene	290	µg/kg	U
	Phenanthrene	290	µg/kg	U
	Acenaphthene	290	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	290	µg/kg	U
	Fluorene	290	µg/kg	U
	Anthracene	290	µg/kg	U
	Fluoranthene	290	µg/kg	U
	Pyrene	290	µg/kg	U
	Benzo[a]anthracene	290	µg/kg	U
	Chrysene	290	µg/kg	U
	Benzo[b]fluoranthene	290	µg/kg	U
	Benzo[k]fluoranthene	290	µg/kg	U
	Benzo[a]pyrene	290	µg/kg	U
	Indeno[1,2,3-cd]pyrene	290	µg/kg	U
	Dibenzo[a,h]anthracene	290	µg/kg	U
	Benzo[g,h,i]perylene	290	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		29000	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29000	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				61
Aromatic Surrogate % Recovery (O-Terphenyl)				71
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				88
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				83
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: [signature]

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-12

SAMPLE DATA

Lab Sample ID: 67833-12
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		30100	µg/kg	U
Diesel PAH Analytes	Naphthalene	301	µg/kg	U
	2-Methylnaphthalene	301	µg/kg	U
	Phenanthrene	301	µg/kg	U
	Acenaphthene	301	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	301	µg/kg	U
	Fluorene	301	µg/kg	U
	Anthracene	301	µg/kg	U
	Fluoranthene	301	µg/kg	U
	Pyrene	301	µg/kg	U
	Benzo[a]anthracene	301	µg/kg	U
	Chrysene	301	µg/kg	U
	Benzo[b]fluoranthene	301	µg/kg	U
	Benzo[k]fluoranthene	301	µg/kg	U
	Benzo[a]pyrene	301	µg/kg	U
	Indeno[1,2,3-cd]pyrene	301	µg/kg	U
	Dibenzo[a,h]anthracene	301	µg/kg	U
	Benzo[g,h,i]perylene	301	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		30100	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		30100	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		30100	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				60
Aromatic Surrogate % Recovery (O-Terphenyl)				69
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				80
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				78
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mpbulll

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-13

SAMPLE DATA

Lab Sample ID: 67833-13
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29200	µg/kg	U
Diesel PAH Analytes	Naphthalene	292	µg/kg	U
	2-Methylnaphthalene	292	µg/kg	U
	Phenanthrene	292	µg/kg	U
	Acenaphthene	292	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	292	µg/kg	U
	Fluorene	292	µg/kg	U
	Anthracene	292	µg/kg	U
	Fluoranthene	292	µg/kg	U
	Pyrene	292	µg/kg	U
	Benzo[a]anthracene	292	µg/kg	U
	Chrysene	292	µg/kg	U
	Benzo[b]fluoranthene	292	µg/kg	U
	Benzo[k]fluoranthene	292	µg/kg	U
	Benzo[a]pyrene	292	µg/kg	U
	Indeno[1,2,3-cd]pyrene	292	µg/kg	U
	Dibenzo[a,h]anthracene	292	µg/kg	U
	Benzo[g,h,i]perylene	292	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		29200	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29200	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29200	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				50
Aromatic Surrogate % Recovery (O-Terphenyl)				69
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				81
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				71
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mpbbell

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-14

SAMPLE DATA

Lab Sample ID:	67833-14
Matrix:	Solid
Percent Solid:	85
Dilution Factor:	1.1
Collection Date:	09/20/10
Lab Receipt Date:	09/20/10
Extraction Date:	09/20/10
Analysis Date:	09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		30100	µg/kg	U
Diesel PAH Analytes	Naphthalene	301	µg/kg	U
	2-Methylnaphthalene	301	µg/kg	U
	Phenanthrene	301	µg/kg	U
	Acenaphthene	301	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	301	µg/kg	U
	Fluorene	301	µg/kg	U
	Anthracene	301	µg/kg	U
	Fluoranthene	301	µg/kg	U
	Pyrene	301	µg/kg	U
	Benzo[a]anthracene	301	µg/kg	U
	Chrysene	301	µg/kg	U
	Benzo[b]fluoranthene	301	µg/kg	U
	Benzo[k]fluoranthene	301	µg/kg	U
	Benzo[a]pyrene	301	µg/kg	U
	Indeno[1,2,3-cd]pyrene	301	µg/kg	U
	Dibenzo[a,h]anthracene	301	µg/kg	U
	Benzo[g,h,i]perylene	301	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		30100	µg/kg	**62400**
C19-C36 Aliphatic Hydrocarbons[1]		30100	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		30100	µg/kg	**15500 J**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				54
Aromatic Surrogate % Recovery (O-Terphenyl)				72
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				81
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				78
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: [signature]

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-15

SAMPLE DATA

Lab Sample ID: 67833-15
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28400	µg/kg	U
Diesel PAH Analytes	Naphthalene	284	µg/kg	U
	2-Methylnaphthalene	284	µg/kg	U
	Phenanthrene	284	µg/kg	U
	Acenaphthene	284	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	284	µg/kg	U
	Fluorene	284	µg/kg	U
	Anthracene	284	µg/kg	U
	Fluoranthene	284	µg/kg	U
	Pyrene	284	µg/kg	U
	Benzo[a]anthracene	284	µg/kg	U
	Chrysene	284	µg/kg	U
	Benzo[b]fluoranthene	284	µg/kg	U
	Benzo[k]fluoranthene	284	µg/kg	U
	Benzo[a]pyrene	284	µg/kg	U
	Indeno[1,2,3-cd]pyrene	284	µg/kg	U
	Dibenzo[a,h]anthracene	284	µg/kg	U
	Benzo[g,h,i]perylene	284	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		28400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		28400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		28400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				54
Aromatic Surrogate % Recovery (O-Terphenyl)				71
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				85
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				77
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-04D

SAMPLE DATA

Lab Sample ID: 67833-16
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27200	µg/kg	U
Diesel PAH Analytes	Naphthalene	272	µg/kg	U
	2-Methylnaphthalene	272	µg/kg	U
	Phenanthrene	272	µg/kg	U
	Acenaphthene	272	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	272	µg/kg	U
	Fluorene	272	µg/kg	U
	Anthracene	272	µg/kg	U
	Fluoranthene	272	µg/kg	U
	Pyrene	272	µg/kg	U
	Benzo[a]anthracene	272	µg/kg	U
	Chrysene	272	µg/kg	U
	Benzo[b]fluoranthene	272	µg/kg	U
	Benzo[k]fluoranthene	272	µg/kg	U
	Benzo[a]pyrene	272	µg/kg	U
	Indeno[1,2,3-cd]pyrene	272	µg/kg	U
	Dibenzo[a,h]anthracene	272	µg/kg	U
	Benzo[g,h,i]perylene	272	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27200	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27200	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27200	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				47
Aromatic Surrogate % Recovery (O-Terphenyl)				69
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				79
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				77
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: [signature]

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Colnmn: RTX-5ms
Column ID: 0.25 mm

SDG: 67833

SAMPLE ID	SMC 1 (%)	#
B092010EASE	65	
L092010EASE	57	
LD092010EASE	62	
67833-1	64	
67833-2	58	
67833-3	59	
67833-4	64	
67833-5	49	
67833-6	56	
67833-6,MS	43	
67833-6,MSD	53	
67833-7	55	
67833-8	48	
67833-9	58	
67833-10	52	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67833

SAMPLE ID	SMC 1 (%)	#
B092010EASE,,RR	66	
67833-11	61	
67833-12	60	
67833-13	50	
67833-14	54	
67833-15	54	
67833-16	47	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67833

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B092010EASE	82		75		79	
L092010EASE	79		72		71	
LD092010EASE	79		73		75	
67833-1	74		70		66	
67833-2	76		74		70	
67833-3	82		76		71	
67833-4	83		70		77	
67833-5	80		74		67	
67833-6	73		70		58	
67833-6,MS	78		73		45	
67833-6,MSD	71		63		49	
67833-7	87		73		72	
67833-8	76		75		52	
67833-9	84		82		71	
67833-10	76		73		62	
67833-11	88		83		71	
67833-12	80		78		69	
67833-13	81		71		69	
67833-14	81		78		72	
67833-15	85		77		71	
67833-16	79		77		69	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH ALIPHATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67833
Non-spiked sample: B092010EASE
Spike: L092010EASE
Spike duplicate: LD092010EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3333	3333	30	140	25	0	1883	56		1958	59		4	
C-10	3333	3333	40	140	25	0	2177	65		2245	67		3	
C-12	3333	3333	40	140	25	0	2249	67		2429	73		8	
C-14	3333	3333	40	140	25	0	2342	70		2456	74		5	
C-16	3333	3333	40	140	25	0	2350	71		2563	77		9	
C-18	3333	3333	40	140	25	0	2421	73		2714	81		11	
C-19	3333	3333	40	140	25	0	2549	76		2678	80		5	
C-20	3333	3333	40	140	25	0	2388	72		2577	77		8	
C-22	3333	3333	40	140	25	0	2359	71		2476	74		5	
C-24	3333	3333	40	140	25	0	2238	67		2320	70		4	
C-26	3333	3333	40	140	25	0	2218	67		2296	69		3	
C-28	3333	3333	40	140	25	0	2156	65		2207	66		2	
C-30	3333	3333	40	140	25	0	1956	59		2241	67		14	
C-36	3333	3333	40	140	25	0	1974	59		2250	68		13	
C9-C18 Aliphatics	20000	20000	40	140	25	0	13423	67		14365	72		7	
C19-C36 Aliphatics	26667	26667	40	140	25	0	17838	67		19044	71		7	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67833
Non-spiked sample: B092010EASE
Spike: L092010EASE
Spike duplicate: LD092010EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3333	3333	40	140	30	0	2117	63		2214	66		4	
2-Methylnaphthalene	3333	3333	40	140	30	0	2291	69		2387	72		4	
Acenaphthylene	3333	3333	40	140	30	0	2349	70		2482	74		5	
Acenaphthene	3333	3333	40	140	30	0	2373	71		2500	75		5	
Fluorene	3333	3333	40	140	30	0	2500	75		2691	81		7	
Phenanthrene	3333	3333	40	140	30	0	2559	77		2718	82		6	
Anthracene	3333	3333	40	140	30	0	2641	79		2804	84		6	
Fluoranthene	3333	3333	40	140	30	0	2686	81		2894	87		7	
Pyrene	3333	3333	40	140	30	0	2621	79		2835	85		8	
Benzo[a]anthracene	3333	3333	40	140	30	0	2505	75		2673	80		6	
Chrysene	3333	3333	40	140	30	0	2489	75		2666	80		7	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	2449	73		2642	79		8	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	2550	77		2715	81		6	
Benzo[a] pyrene	3333	3333	40	140	30	0	2548	76		2693	81		6	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	2497	75		2662	80		6	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	2529	76		2668	80		5	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	2513	75		2724	82		8	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67833
Aliphatic LCS: L092010EASE
Aromatic LCS: L092010EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	15.9	0.0	
2-Methylnaphthalene	0	5	0.00	17.2	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67833
Aliphatic LCS: LD092010EASE
Aromatic LCS: LD092010EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	16.6	0.0	
2-Methylnaphthalene	0	5	0.00	17.9	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67833
Non-spiked sample: 67833-6
Spike: 67833-6,MS
Spike duplicate: 67833-6,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3513	3600	30	140	50	0	1716	49		1839	51		7	
C-10	3513	3600	40	140	50	0	1998	57		2109	59		5	
C-12	3513	3600	40	140	50	0	2096	60		2190	61		4	
C-14	3513	3600	40	140	50	0	2220	63		2413	67		8	
C-16	3513	3600	40	140	50	0	2361	67		2577	72		9	
C-18	3513	3600	40	140	50	0	2478	71		2638	73		6	
C-19	3513	3600	40	140	50	0	2467	70		2715	75		10	
C-20	3513	3600	40	140	50	0	2514	72		2757	77		9	
C-22	3513	3600	40	140	50	0	2495	71		2532	70		1	
C-24	3513	3600	40	140	50	0	2490	71		2656	74		6	
C-26	3513	3600	40	140	50	0	2434	69		2505	70		3	
C-28	3513	3600	40	140	50	0	2520	72		2451	68		3	
C-30	3513	3600	40	140	50	0	2303	66		2390	66		4	
C-36	3513	3600	40	140	50	0	2453	70		2341	65		5	
C9-C18 Aliphatics	21077	21601	40	140	50	0	12870	61		13766	64		7	
C19-C36 Aliphatics	28102	28802	40	140	50	0	19675	70		20347	71		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67833
Non-spiked sample: 67833-6
Spike: 67833-6,MS
Spike duplicate: 67833-6,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3513	3600	40	140	50	0	1977	56		1782	50		10	
2-Methylnaphthalene	3513	3600	40	140	50	0	2088	59		1968	55		6	
Acenaphthylene	3513	3600	40	140	50	0	2062	59		2024	56		2	
Acenaphthene	3513	3600	40	140	50	0	2101	60		2093	58		0	
Fluorene	3513	3600	40	140	50	0	2285	65		2255	63		1	
Phenanthrene	3513	3600	40	140	50	0	2279	65		2361	66		4	
Anthracene	3513	3600	40	140	50	0	2303	66		2428	67		5	
Fluoranthene	3513	3600	40	140	50	0	2395	68		2515	70		5	
Pyrene	3513	3600	40	140	50	0	2336	67		2474	69		6	
Benzo[a]anthracene	3513	3600	40	140	50	0	2189	62		2400	67		9	
Chrysene	3513	3600	40	140	50	0	2157	61		2413	67		11	
Benzo[b] fluoranthene	3513	3600	40	140	50	0	2115	60		2396	67		12	
Benzo[k] fluoranthene	3513	3600	40	140	50	0	2077	59		2401	67		14	
Benzo[a] pyrene	3513	3600	40	140	50	0	2099	60		2375	66		12	
Indeno [1,2,3-cd] pyrene	3513	3600	40	140	50	0	1981	56		2404	67		19	
Dibenz [a,h] anthracene	3513	3600	40	140	50	0	2031	58		2403	67		17	
Benzo(g,h,i) perylene	3513	3600	40	140	50	0	2074	59		2438	68		16	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

Instrument D

Analytics environmental laboratory LLC

Seq. ID: 080410-D

IS only#: EPH S9970 ~~S9870~~ AW 8/4/10

EXP: 1/30/11

Tune File: ABN.u

Date: 8/4/10

Loading Check: AW

Voltage: 1965

Analyst: AR/NP

Unloading Check: NP

filament 2

Vial	Meth File	Sample	DF	Data File #	Comments
1	tunemix	S9836 tunemix	50ng	D71437T-45T	adjust mtune
1	tunemix	S9836 tunemix	50ng	46T	✓
2	ALG80410	S9700 Ali 5		47 SI	✓
3		S9701 Ali 10		48	✓
4		S9702 Ali 20		49	✓
5		S9936 Ali 40		50	✓
6		S9704 Ali 50		51	✓
7		S9705 Ali 100		52	✓
8		S9715 Ali 20 ICV		53	✓
9	ARM80410	S9706 ARO 2		54 SI	✓
10		S9707 ARO 5		55	✓
11		S9708 ARO 10		56	✓
12		S9937 ARO 20		57	✓
13		S9710 ARO 50		58	✓
14		S9711 ARO 100		59	✓
15		S9716 ARO 20 ICV		60	✓ ARO8050 ~~SHI not used~~ OK
~~15~~		~~S9716 ARO 20 ICV~~		66	AW 8/6/10
1	tunemix	S9836 tunemix			Not needed
5	ALG80410	S9936 Ali 40			
12	ARM80410	S9937 ARO 20			
16		Hexane w/IS			
15		S9716 ARO 20 ICV			
15		S9716 ARO 20 ICV			

AW 8/6/10

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

Instrument D

Analytics environmental laboratory LLC

Seq. ID: 092010-D

EPH IS only#: S10081 EXP: 3/13/11

Tune File: ARN.u

Date: 9/20/10 Loading Check: AHR

Voltage: 1965

Analyst: AHR Unloading Check: [illegible]

WO-D-092010-1-AHR

Vial	Meth File	Sample	DF	Data File #	Comments
		MeCl2		D71725	
100					
1	tunemix	S9836 tunemix 50ng		26T	✓
2	ALG80410	S10042 Ali 40		27SC	✓
3	ARM80410	S10041 ARO 20		28SC	✓ OTP 1 by 0.3%
4		Hexane w/IS		29	✓
5		B091610EASE, AR Ali		30B	✓
6		B091610EASE, AR ARO		31B	✓
7		67789-1 Ali	2	32	✓
8		67786-1 Ali	5	33	✓
9		67786-4 Ali	20	34	✓
10		67 -4 ARO	2	35	✓
11	AHR 9/12	-6 Ali	5	36	✓
12		-6 ARO	2	37	✓
13		-8 Ali	50	38	✓ 200ml 1:10 + 800ml Hexane
14		-8 ARO	10	39	✓ 500ml 1:5 + 500ml MeCl2
2		S10042 Ali 40		40	✓
3		S10041 ARO 20		41	✓ OTP OK
2		S10042 Ali 40		42	✓
3		S10041 ARO 20		43	✓ OTP OK
100		MeCl2		44	
1	tunemix	S9836 tunemix 50ng		45T	✓
2	ALG80410	S10042 Ali 40		46SC	✓
4		Hexane w/IS		47	✓
15		B092010EASE Ali		48B	✓
16		092010EASE		49Q	✓
17		LD092010EASE		50Q	✓
18		67833-1 Ali		51	✓
19		-2		52	✓
20		-3		53	✓
21		-4		54	✓
22		-5		55	✓
23		-6		56	✓
24		-6, ms		57	✓
25		-6, msD		58	✓
26		-7		59	✓
27		-8		60	✓

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: 1005313

Methylene Chloride Lot: J80501

Cont. PS-47

Instrument D

Analytics environmental laboratory LLC

Seq. ID: Cont. 092010-D

Tune File: ABN.u

Voltage: 1965

EPIT

IS only#: S10081 EXP: 3/13/11

Date: 9/20/10 Loading Check: ALR

Analyst: ALR Unloading Check: ALR

Vial	Meth File	Sample	DF	Data File #	Comments
28		67833-9 Ali		D71761	✓
29		-10 L		62	✓
2	AG80410	S10042 Ali 40		63SC	✓

AV 9/21/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

analytics environmental laboratory LLC

Instrument D

EPH S10081 x 3/13/11

Seq. ID: 092110-D

IS only#:

EXP:

Tune File: ABN.U

Date: 9/21/10

Loading Check: AUR

Voltage: 1965

Analyst: AUR

Unloading Check:

W-D-092110-1-AUR

Vial	Meth File	Sample	DF	Data File #	Comments
100		MeCl2		D71764	
1	tunemix	S9836 tunemix 50ng		65T	✓ 2.09
2	AUG80410	S10042 AZI 40		66SC	✓
4		Hexane w IS		67	✓
15		~~B0962~~ B092010EASE, RR		68B	✓
30		B092010EASE2		69B	✓
31		L092010EASE 2		70Q	✓
32		LD092010EASE2		71Q	✓
33		67833-11		72	✓
34		-12		73	✓
35		-13		74	✓
36		-14		75	✓
37		-15		76	✓
38		-16		77	✓
39		67807 -1		78	✓
40		-2		79	RR 5X
~~41~~ 42		~~67807 -2~~ -3		~~80~~ 81	✓ ↓SJ ~~RRX~~
2		S10042 AZI 40	5X	81SC	✓
2		S10042 AZI 40		82SC	✓
		S9836 tunemix 50ng		83T	✓
2		S10042 AZI 40		84SC	✓
4		Hexane w IS		85	✓
3)		B092010EASE2, RR		86B	✓
41		67807-3 RR		86C	confirms ↓SJ
42		67834-1		87	✓
43		-2		88	✓
44		-3		89	✓
45		-4		90	✓
~~47~~ 46		-5		91	RR10X C9-C18
~~48~~ 47		-6		92	MN10X C9-C18
~~49~~ 48		-15		93	✓
~~50~~ 49		-15 ms		94	✓
~~51~~ 50		-15 mun		95	✓
~~52~~ 51		-16		96	✓
~~53~~ 52		-17		97	✓
~~54~~ 53		-18		98	✓

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: 100513

Methylene Chloride Lot:

Rev 2 03/19/10

67807-2 5X D71781 — see above RR2X recalculated

Instrument J

Analytics environmental laboratory LLC

092110-J EPH IS

IS only#: S10122 EXP: 3·21·2011

Tune File: ABN.U Date: 9·21·10 Loading Check: AHR

Voltage: 1953 Analyst: AHR/MJ Unloading Check: MJ

Vial	Meth File	Sample	DF	Data File #	Comments
100		MeCl2		J35914	
1	TUNEMIXEPH	S9836 TUNE 50ng		915T	✓
2		S10041 AR020		916SC	Reject
2		↓		917SC	↓
100	ARMSIM92110.M	MeCl2		918	
2	ARM092110.M	S9714 AR0 0.1		919SI	✓
3	ARG092110.M	S9713 0.2		920SI	✓
4		S9712 1.0		921SI	✓
5		S9706 2		922SI	✓
6		S9707 5		923SI	✓
7		S9708 10		924SI	✓
8		S10041 20		925SI	✓
9		S9710 50		926SI	✓
10		S9711 100		927SI	✓
11		S9716 AR020 ICV		928	✓
12		S9717 AR0 2 ICV		929	✓
1	TUNEMIXEPH	S9836 TUNE 50		930T	✓
8	ARM092110.M	S10041 AR020		931SC	✓
13	ARG092110.M	Hexane w IS		932	✓
14		B092010EBSE	AR0	33B	✓
15		L092010EBSE		34Q	✓
16		LD092010EBSE		35Q	✓
17		L092010EBSE	ALI	36Q	✓
18		LD092010EBSE	ALI	37Q	✓
19		67833-1 AR0		38	✓
20		-2		39	✓
21		-3		40	✓
22		-4		41	✓
23		-5		42	✓
24		-6		43	✓
25		-6ms		44SP	✓
26		-6msd		45SP	✓
27		67833-7		46	✓
28		-8		47	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uL sample + 990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Instrument J

Analytics environmental laboratory LLC

092110-J Cont. EPH FS

IS only#: S10122 EXP: 3-21-2011

Tune File: ABN.U Date: 92110 cont Loading Check:

Voltage: 1953 Analyst: ALR/mg Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
29	ARM092110.M	67833-9 ARO		J35948	✓
30	ARG092110.M	-10		49	✓
31		-11		50	✓
32		-12		51	✓
33		-13		52	✓
34		-14		53	✓
35		-15		54	✓
36		-16		55	✓
37		67807 -1		56	↓SUR RR Rex?
38		-2		57	RR2X
39		-3		58	✓
8		S10041 ARO 20		59SC	✓
8				60SC	✓
1	tunemix	59836 TUNESD		61T	✓ 1621
8	ARM092110	S10041 ARO 20		62SC	✓
13	ARG092110	Hexane WIS		63	✓
40		B092010EASE2	ARO	64B	✓
41		L092010EASE2		65Q	✓
42		LD092010EASE2		66Q	✓
43		L092010EASE2	ALI	67Q	✓
44		LD092010EASE2		68Q	✓
45		67834-1	ARO	69	✓
46		-2		70	✓
47		-3		71	✓
48		-4		72	✓
49		-5		73	✓
50		-6		74	✓
51		-15		75	✓
52		-15MS		76SP	✓
53		-15MSD		77SP	✓
54		-16		78	✓
55		-17		79	✓
56		-18		80	✓
57		67835-1		81	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:100- 10 uL sample +990 uL solvent

Hexane Lot :

Methylene Chloride Lot:

Cont. Pg - 58

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

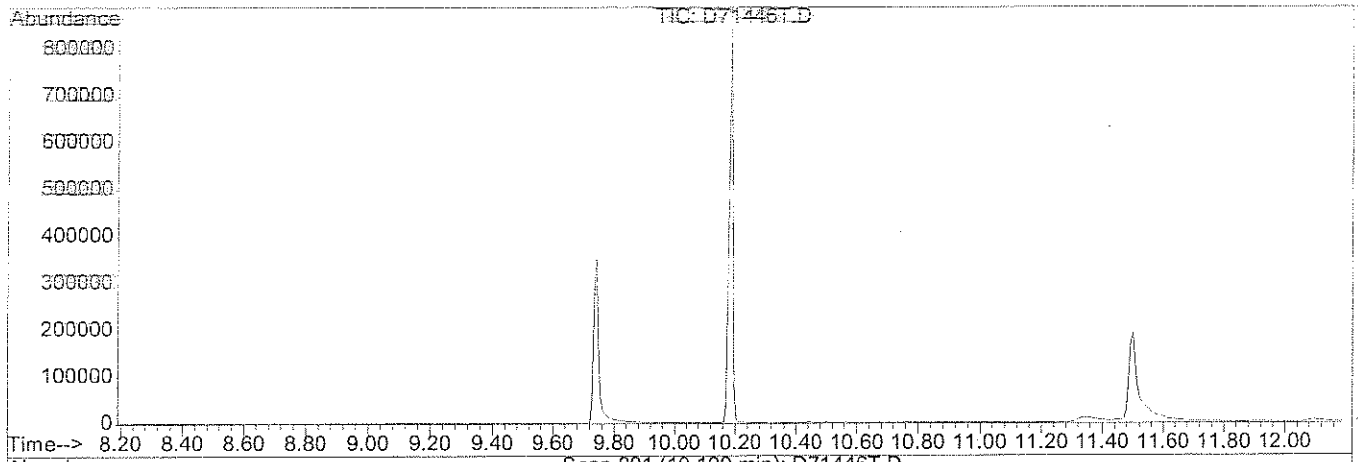
SDG: 67833
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

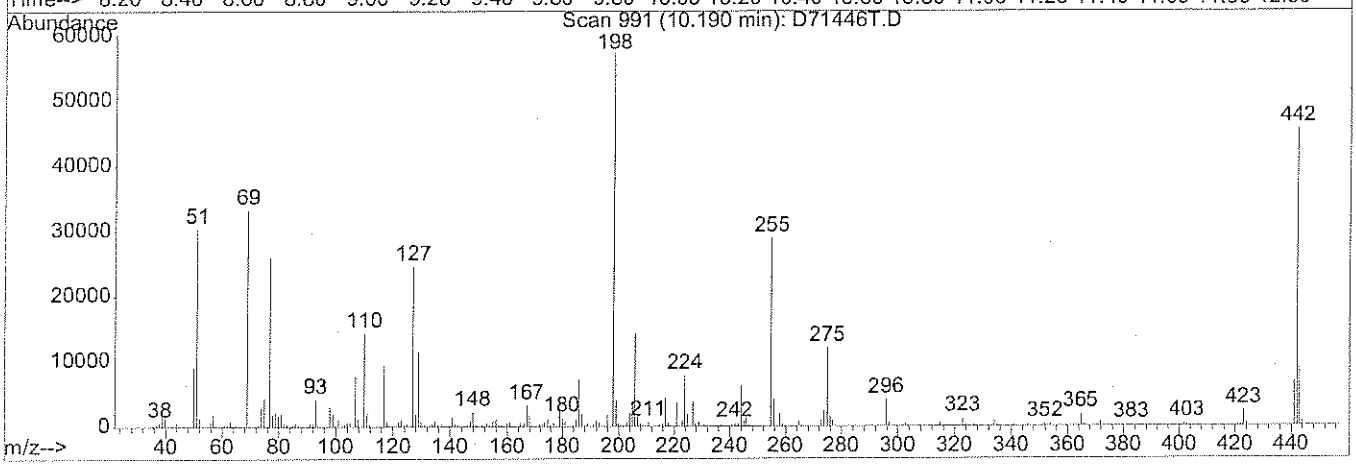
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9700 ALI 5	D71447SI.D	8/5/10 2:18
S9701 ALI 10	D71448SI.D	8/5/10 2:48
S9702 ALI 20	D71449SI.D	8/5/10 3:19
S9936 ALI 40	D71450SI.D	8/5/10 3:49
S9704 ALI 50	D71451SI.D	8/5/10 4:20
S9705 ALI 100	D71452SI.D	8/5/10 4:50
S9715 ALI 20 ICV	D71453.D	8/5/10 5:21

Refer to the DFTPP report D71446T.D for ion ratio evaluation.

DFTPP

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX





Spectrum Information: Scan 991

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.9	30392	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.0	33320	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.7	24560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	57496	PASS
199	198	5	9	6.9	3944	PASS
275	198	10	30	20.9	12023	PASS
365	198	1	100	3.2	1842	PASS
441	443	0.01	100	76.4	6759	PASS
442	198	40	100	79.4	45640	PASS
443	442	17	23	19.4	8852	PASS

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:04 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name S9836 TUNEMIX 50NG
Data File Name D71446T.D
Date Acquired 8/5/2010 1:47

N708050

Name	Target Response
PENTACHLOROPHENOL	39778.00
BENZIDINE	151505.00
DDE	53.00
DDD	1884
DDT	149663

(0% - 20%)

%DDT BREAKDOWN = 1.28% OK

8/5/10

8/5/10 2:16 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
3 Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP080510

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.74	266	39778	15.78 UG/L	95
2) DFTPP	10.18	198	75090	24.58 ug/ml#	60
3) BENZIDINE	11.50	184	151505	18.88 UG/L #	100
4) DDE	11.79	246	53	0.53 UG/L #	24
5) DDD	12.36	235	1884	18.84 UG/L #	19
6) DDT	12.93	235	149663	33.12 UG/L #	86

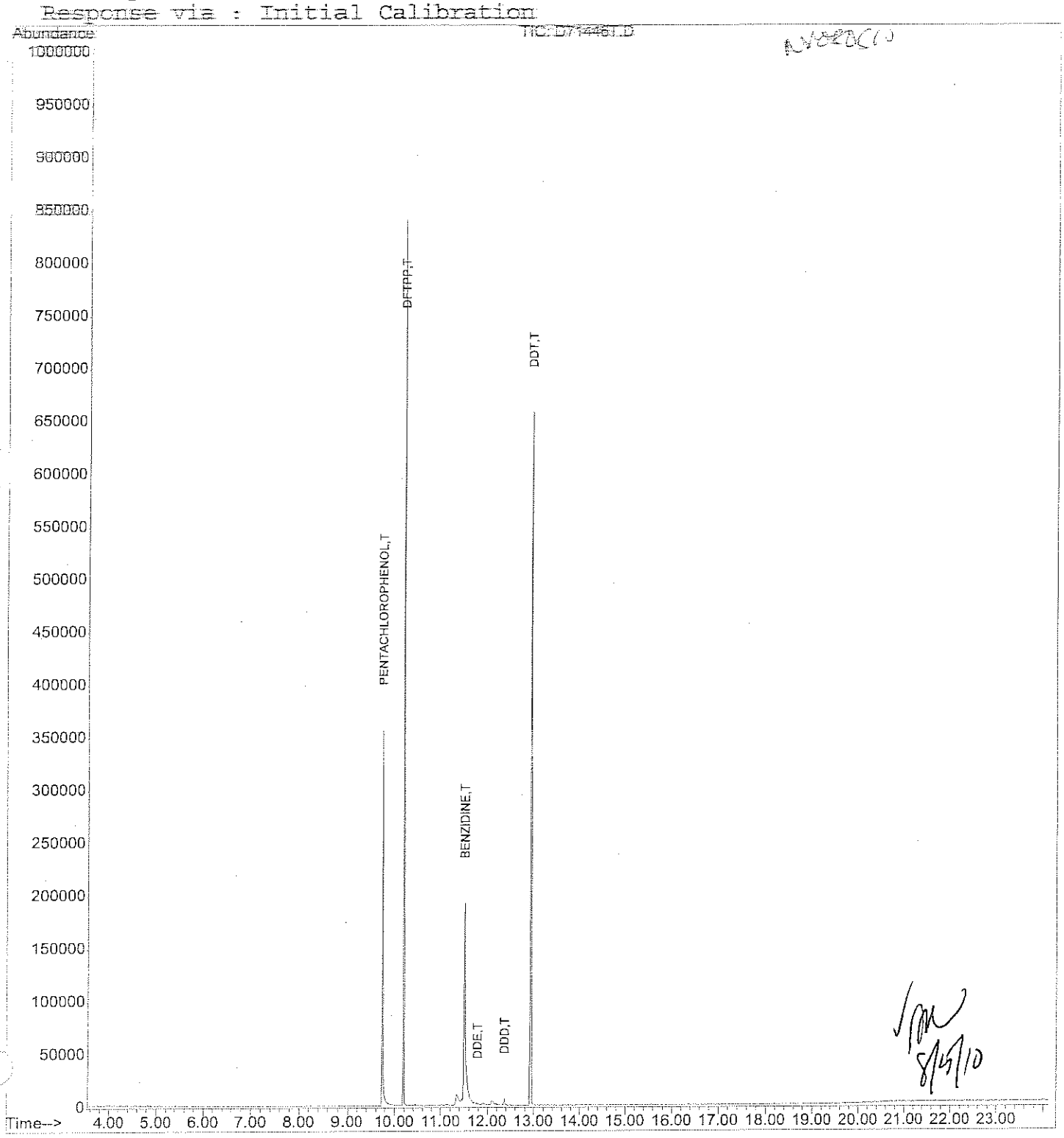
✓ NP 8/5/10

(#) = qualifier out of range (m) = manual integration
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: TUNMXEPH.RE

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration



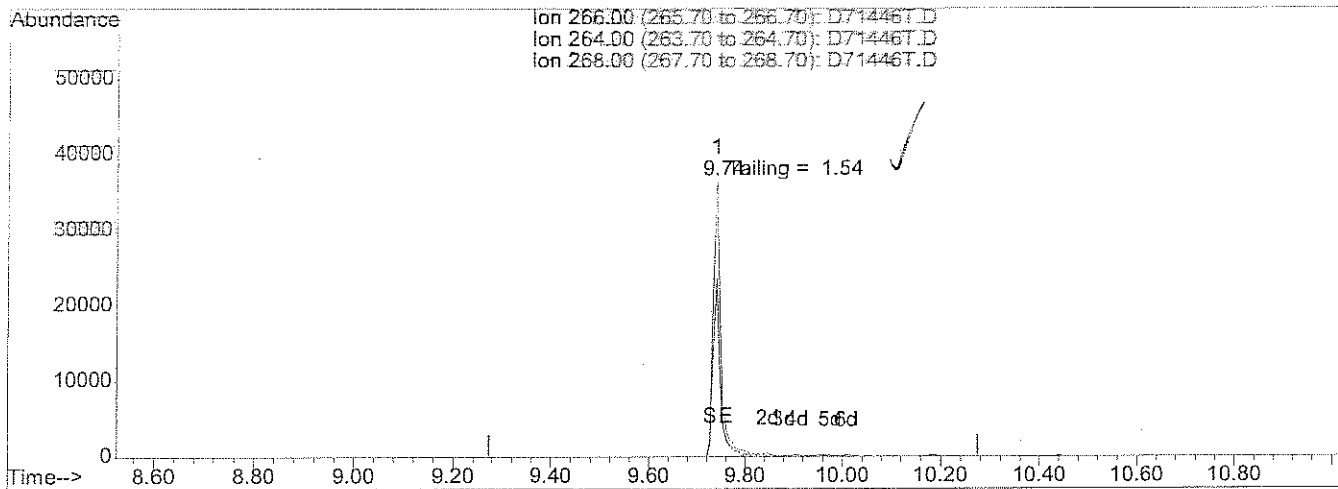
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010 Page 2

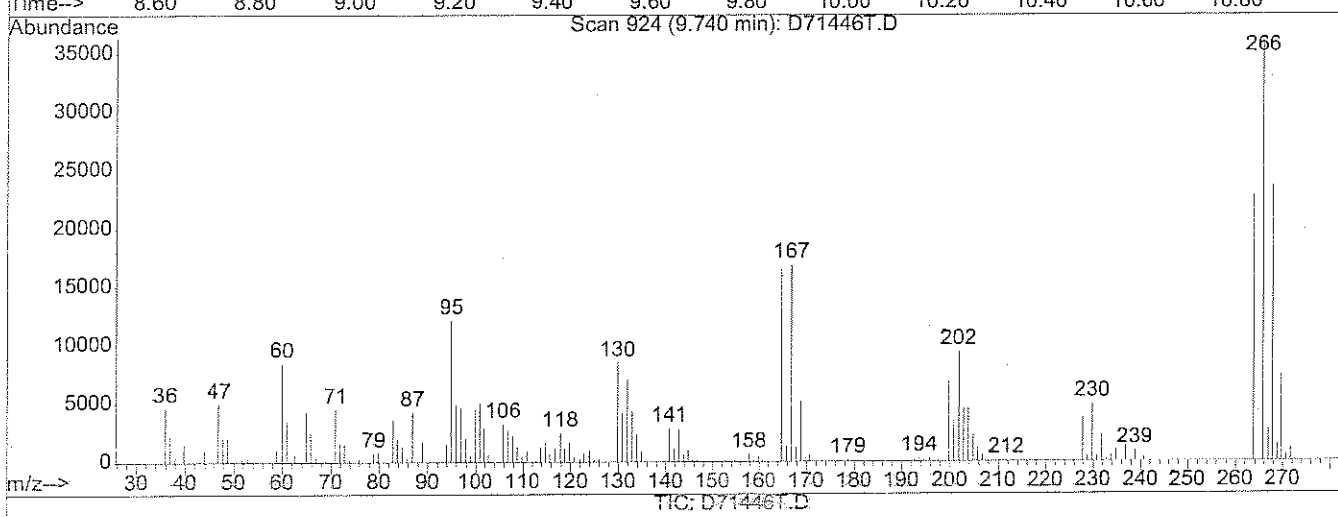
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

N108550





(1) PENTACHLOROPHENOL (T)

9.74min 15.78UG/L

response 39778

Ion	Exp%	Act%
266.00	100	100
264.00	59.50	61.59
268.00	58.20	63.08
0.00	0.00	0.00

8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:40 2010

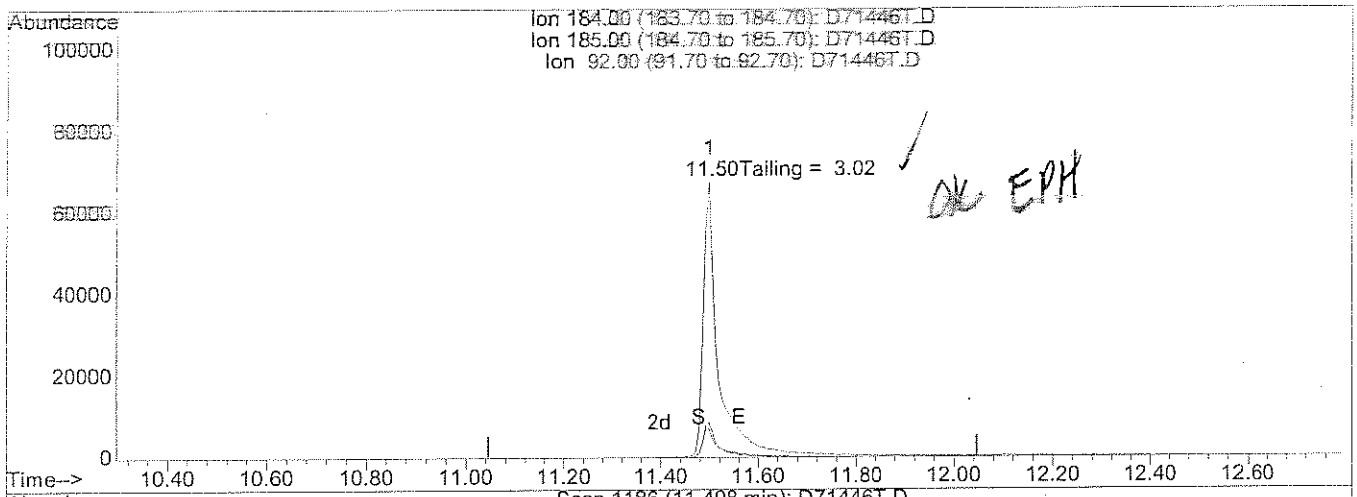
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

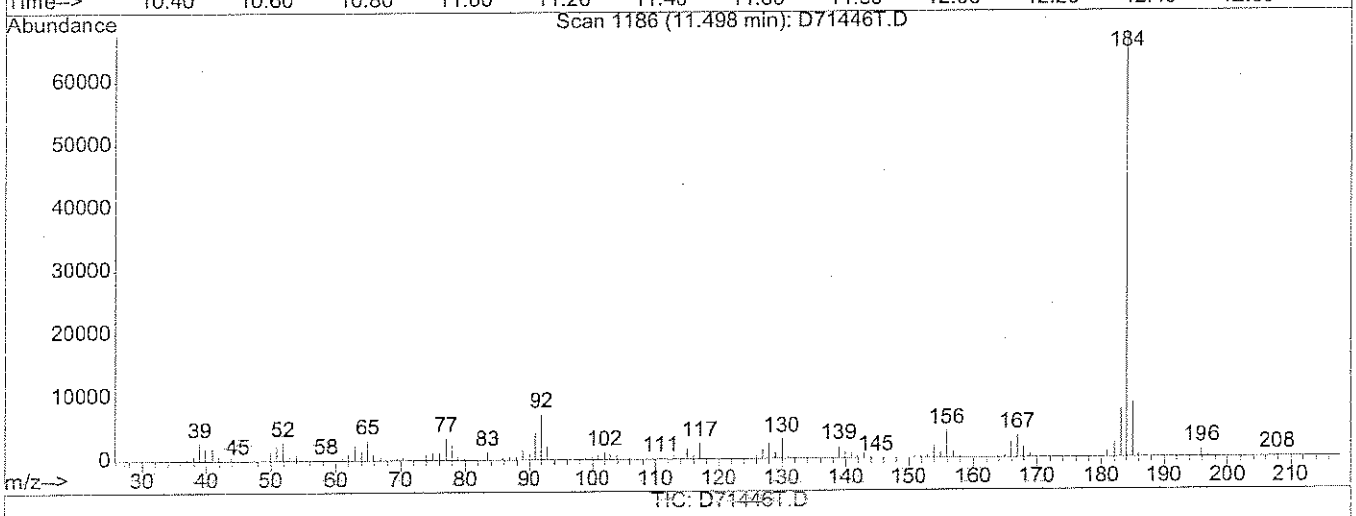
Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

N 080510



OK EPH



(3) BENZIDINE (T)

11.50min 18.88UG/L

response 151505

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.18#
92.00	0.00	10.90#
0.00	0.00	0.00

OK 8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:19:09 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

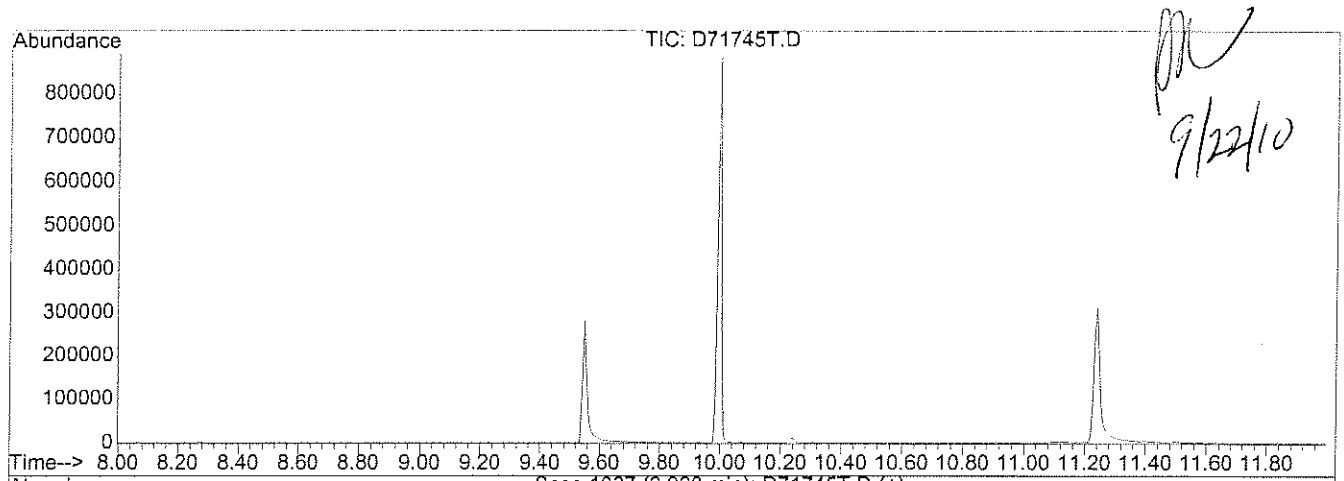
SDG: 67833
DFTPP File ID: D71745T.D
DFTPP Injection Date: 09/21/10
DFTPP Injection Time: 16:10

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
S10042 ALI 40	D71746SC.D	9/21/10	16:40
HEXANE W/IS	D71747.D	9/21/10	17:10
B092010EASE	D71748B.D	9/21/10	17:39
L092010EASE	D71749Q.D	9/21/10	18:09
LD092010EASE	D71750Q.D	9/21/10	18:39
67833-1	D71751.D	9/21/10	19:09
67833-2	D71752.D	9/21/10	19:39
67833-3	D71753.D	9/21/10	20:08
67833-4	D71754.D	9/21/10	20:38
67833-5	D71755.D	9/21/10	21:08
67833-6	D71756.D	9/21/10	21:38
67833-6,MS	D71757SP.D	9/21/10	22:08
67833-6,MSD	D71758SP.D	9/21/10	22:38
67833-7	D71759.D	9/21/10	23:08
67833-8	D71760.D	9/21/10	23:38
67833-9	D71761.D	9/22/10	0:08
67833-10	D71762.D	9/22/10	0:38
S10042 ALI 40	D71763SC.D	9/22/10	1:08

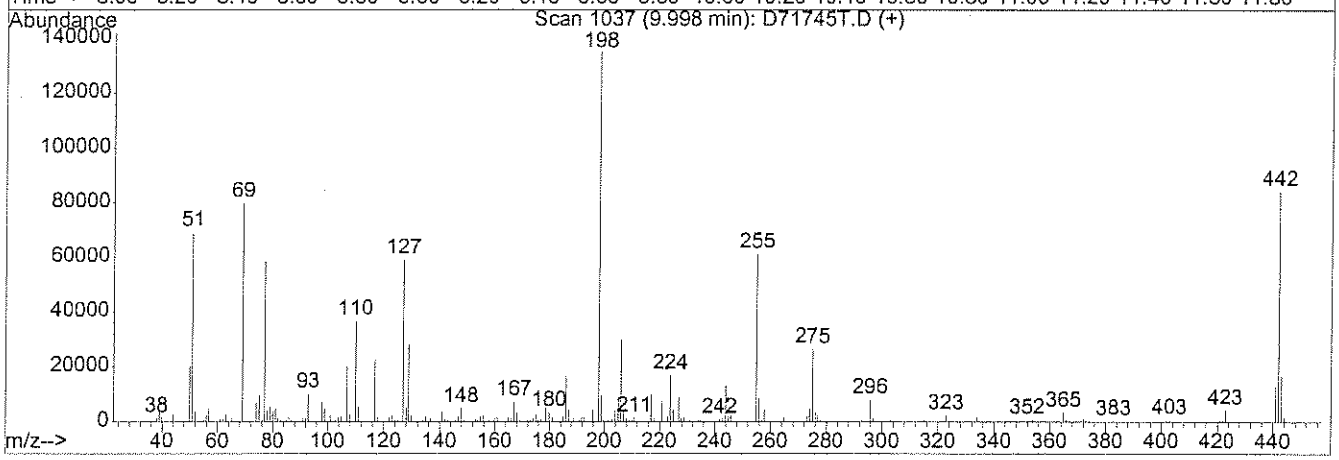
Refer to the DFTPP report D71745T.D for ion ratio evaluation.

DFTPP

Data File : D:\HPCHEM\1\DATA\092010-D\D71745T.D Vial: 1
Acq On : 21 Sep 2010 4:10 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX



9/22/10



Spectrum Information: Scan 1037 +/038

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	51.2	69295	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	59.0	79975	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	43.6	59015	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	135440	PASS
199	198	5	9	7.0	9471	PASS
275	198	10	30	19.5	26439	PASS
365	198	1	100	2.5	3343	PASS
441	443	0.01	100	78.1	13086	PASS
442	198	40	100	62.3	84376	PASS
443	442	17	23	19.9	16754	PASS

9/22/10

D71745T.D TUNMXEPH.M Wed Sep 22 01:20:36 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71745T.D**
Date Acquired **9/21/2010 4:10**

9/22/10

Name	Target Response
PENTACHLOROPHENOL	31422.00
BENZIDINE	169254.00
DDE	460.00
DDD	13701
DDT	116071

(0% - 20%)

%DDT BREAKDOWN = 10.87% **OK**

9/22/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71745T.D Vial: 1
Acq On : 21 Sep 2010 4:10 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 22 1:20 2010 Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/22/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.55	266	31422	12.47 UG/L	99
2) DFTPP	10.00	198	85052	27.84 ug/ml	94
3) BENZIDINE	11.24	184	169254	21.09 UG/L #	100
4) DDE	11.50	246	460	4.60 UG/L #	100
5) DDD	12.06	235	13701	137.01 UG/L	98
6) DDT	12.60	235	116071	25.69 UG/L	96

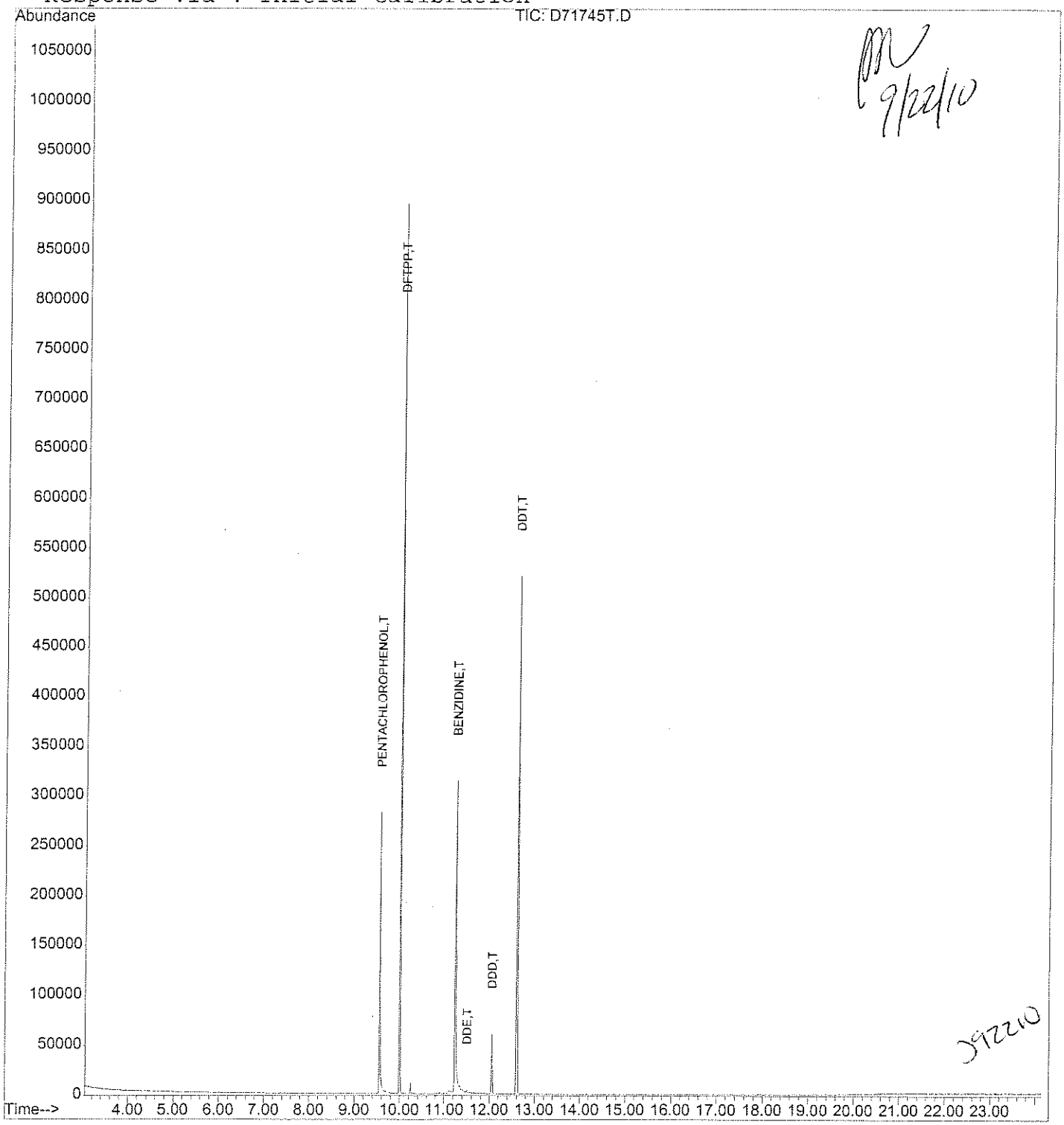
592210

(#) = qualifier out of range (m) = manual integration
D71745T.D TUNMXEPH.M Wed Sep 22 01:21:36 2010 Page 1

Quantitation Report

Data File : D:\HPCHEM\1\DATA\092010-D\D71745T.D Vial: 1
Acq On : 21 Sep 2010 4:10 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 22 1:20 2010 Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration



9/22/10

9/22/10

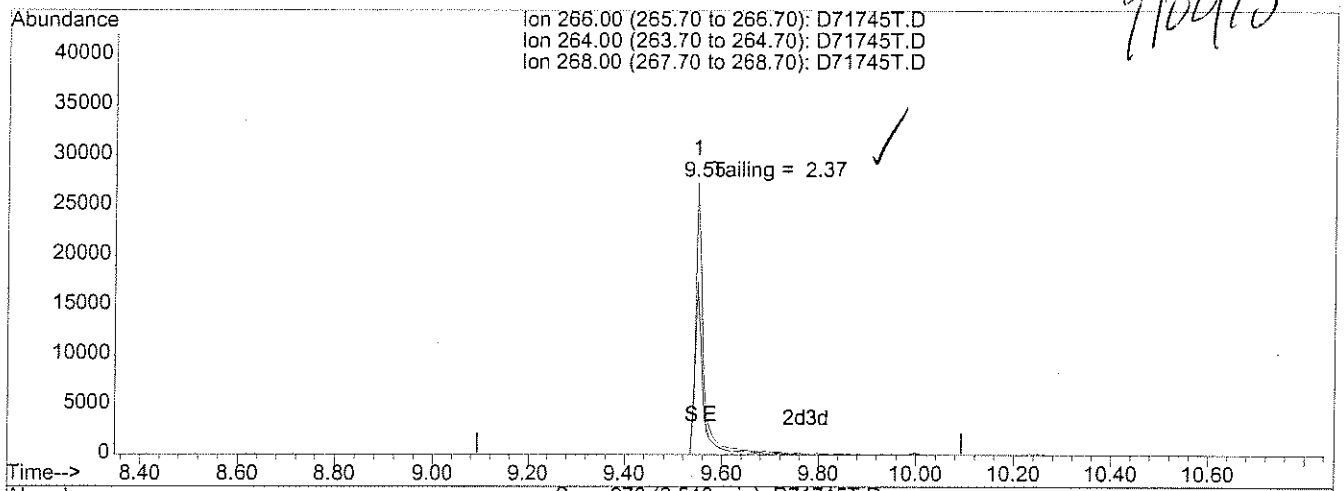
Quantitation Report (Qedit)

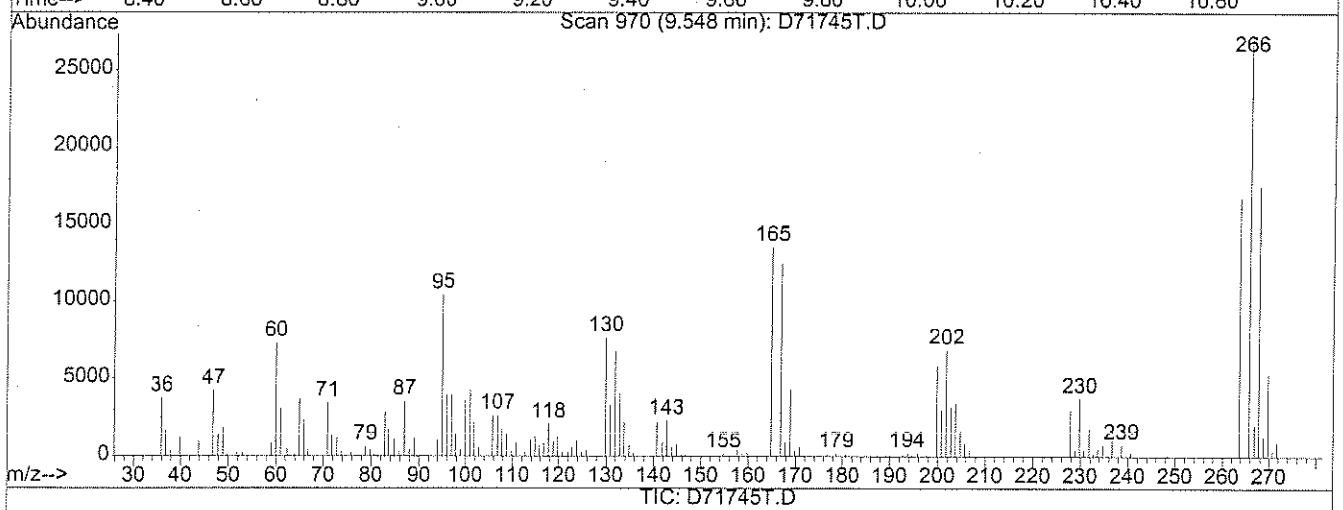
Data File : D:\HPCHEM\1\DATA\092010-D\D71745T.D
Acq On : 21 Sep 2010 4:10 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 1:20 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/22/10





(1) PENTACHLOROPHENOL (T)

9.55min 12.47UG/L

response 31422

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	60.32
268.00	62.40	61.11
0.00	0.00	0.00

31221.0

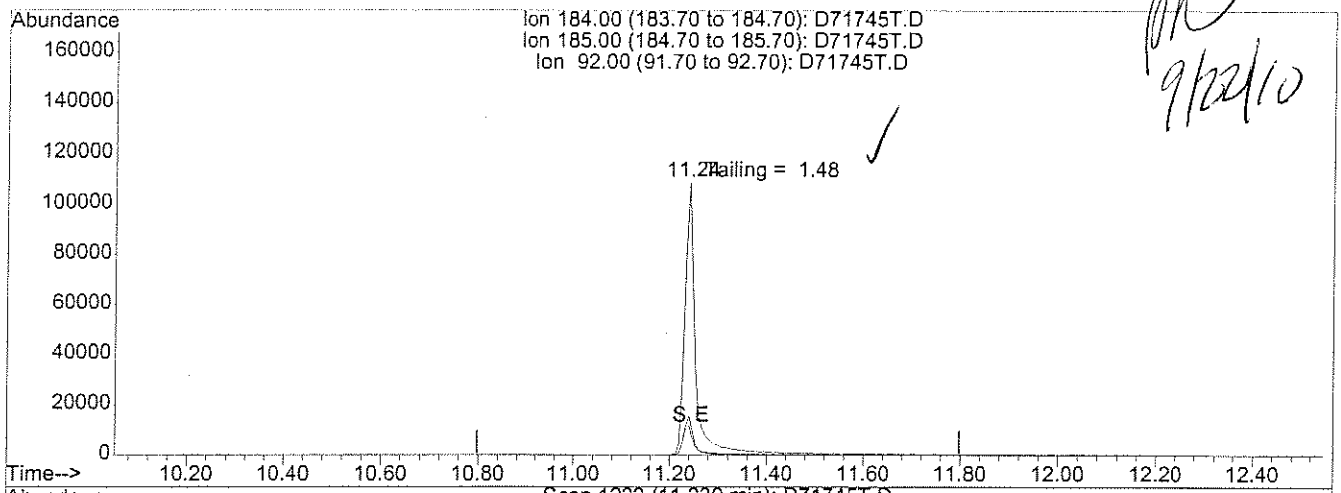
D71745T.D TUNMXEPH.M Wed Sep 22 01:21:44 2010

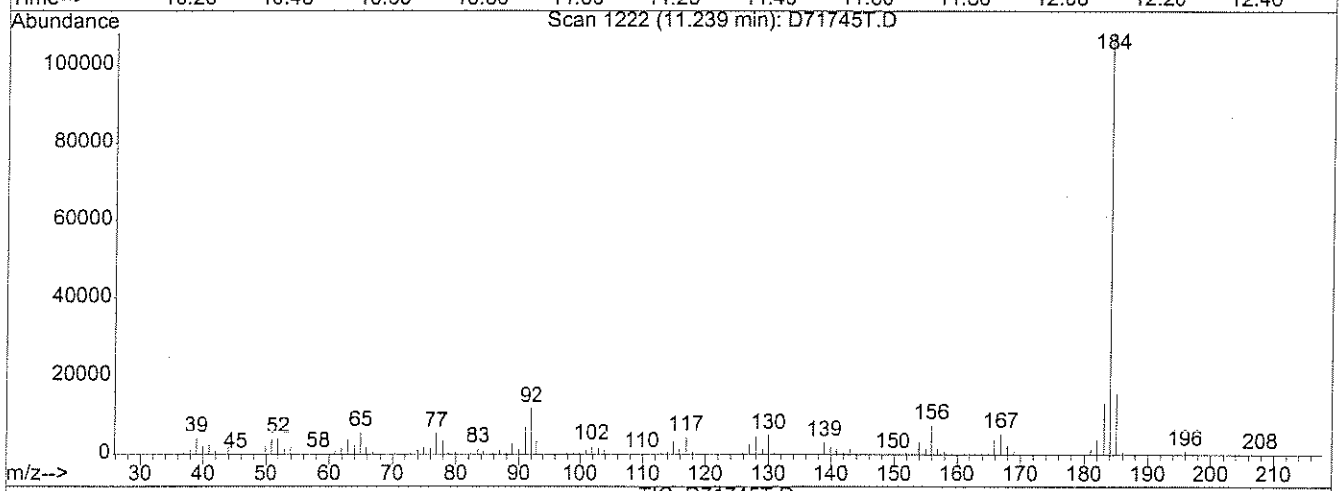
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\092010-D\D71745T.D Vial: 1
Acq On : 21 Sep 2010 4:10 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 22 1:20 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

MC 9/22/10





TIC: D71745T.D

(3) BENZIDINE (T)

11.24min 21.09UG/L

response 169254

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.66#
92.00	0.00	11.31#
0.00	0.00	0.00

9/22/10

D71745T.D TUNMXEPH.M Wed Sep 22 01:21:53 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67833
DFTPP File ID: J35915T.D
DFTPP Injection Date: 09/21/10
DFTPP Injection Time: 22:24

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9706 ARO 2	J35922SI.D	9/22/10 1:27
S9707 ARO 5	J35923SI.D	9/22/10 1:50
S9708 ARO 10	J35924SI.D	9/22/10 2:13
S10041 ARO 20	J35925SI.D	9/22/10 2:36
S9710 ARO 50	J35926SI.D	9/22/10 2:59
S9711 ARO 100	J35927SI.D	9/22/10 3:22
S9716 ARO 20 ICV	J35928.D	9/22/10 3:45

Refer to the DFTPP report J35915T.D for ion ratio evaluation.

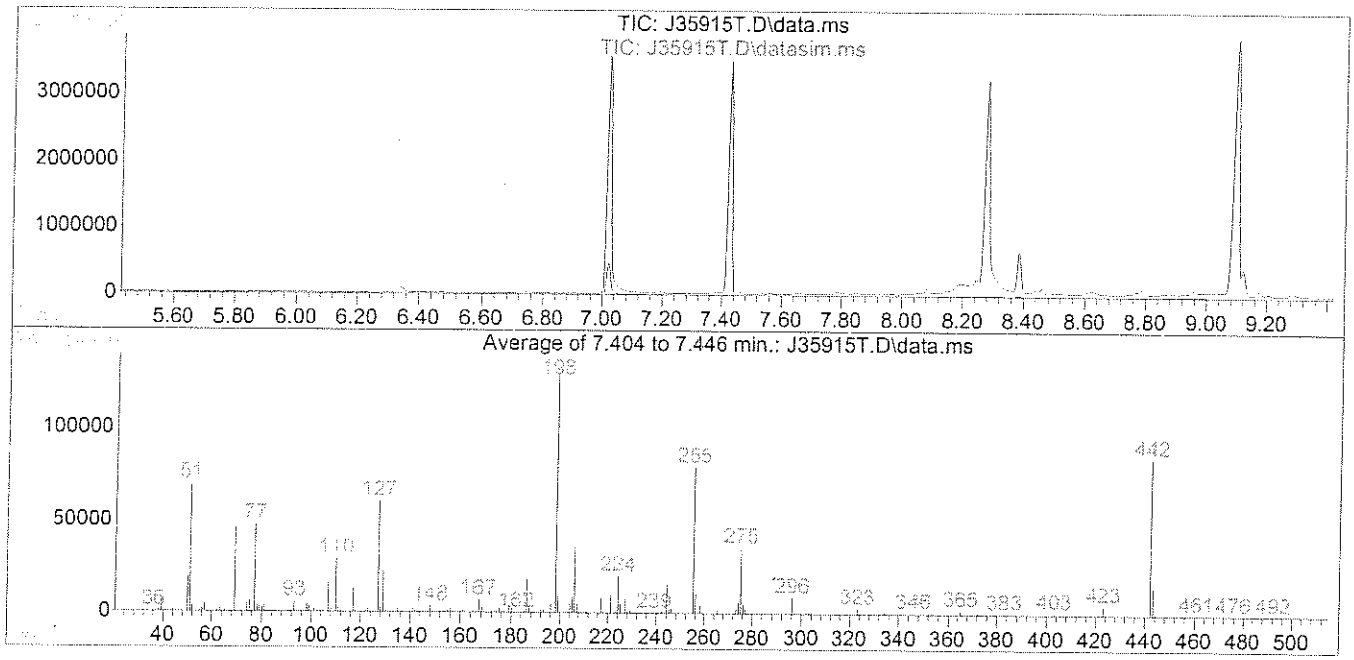
DFTPP

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Wed Sep 22 00:54:43 2010

M 9/22/10



Spectrum Information: Average of 7.404 to 7.446 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.5	69708	PASS
68	69	0.00	2	0.0	15	PASS
69	198	0.00	100	34.8	46182	PASS
70	69	0.00	2	0.6	261	PASS
127	198	40	60	45.4	60362	PASS
197	198	0.00	1	0.0	15	PASS
198	198	100	100	100.0	132842	PASS
199	198	5	9	6.8	8983	PASS
275	198	10	30	27.0	35860	PASS
365	198	1	100	1.6	2103	PASS
441	443	0.01	100	0.7	109	PASS
442	198	40	100	63.8	84794	PASS
443	442	17	23	18.0	15226	PASS

092210

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35915T.D**
Date Acquired **9/21/2010 22:24**

9/22/10

Name	Target Response
Pentachlorophenol	492228.00
Benzidine	1576401.00
DDE	2055.00
DDD	32145
DDT	980153

%DDT BREAKDOWN = 3.37% (0% - 20%) **OK** ✓

092210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

MC 9/22/10

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	7.020	266	492228	33.66 ug/ml	100
2) DFTPP	7.427	198	370749	30.69 ug/ml#	100
3) Benzidine	8.280	184	1576401	25.47 ug/ml#	100
4) DDE	8.444	246	2055	1.40 ug/ml#	100
5) DDD	8.772	235	32145	2.00 ug/ml#	100
6) DDT	9.097	235	980153	31.94 ug/ml#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

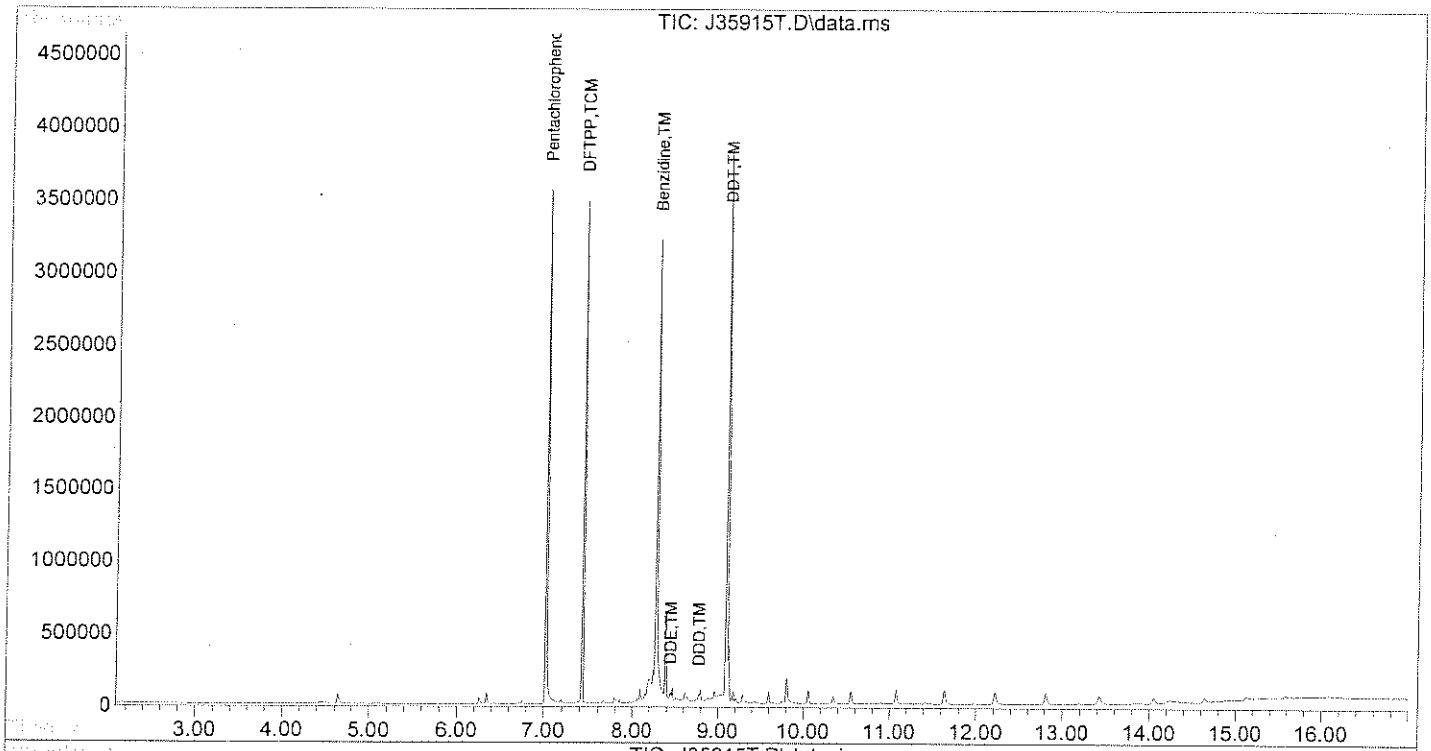
J92210

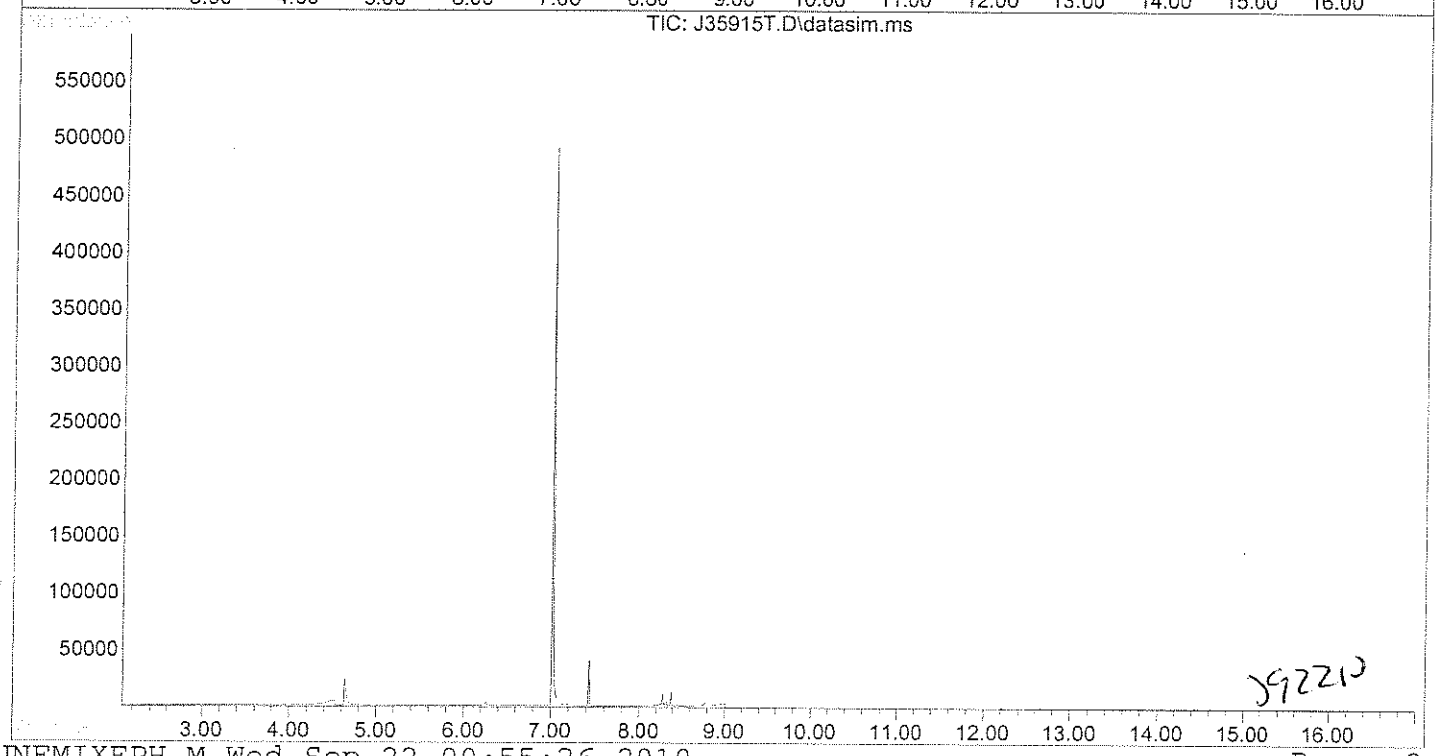
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

AL 9/22/10





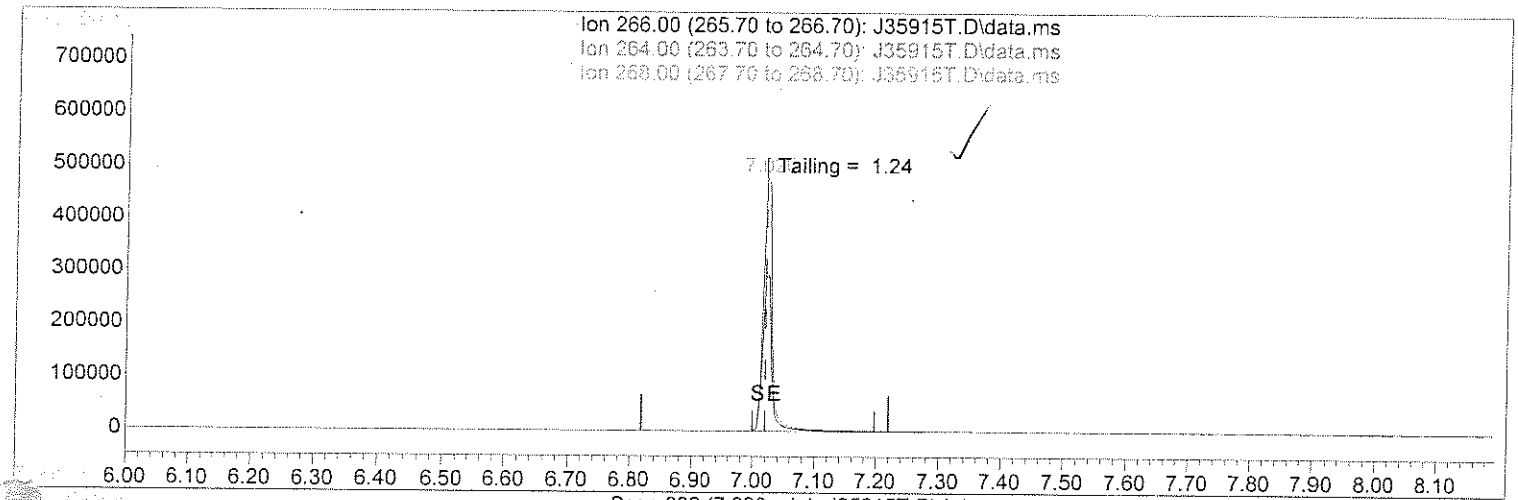
J92210

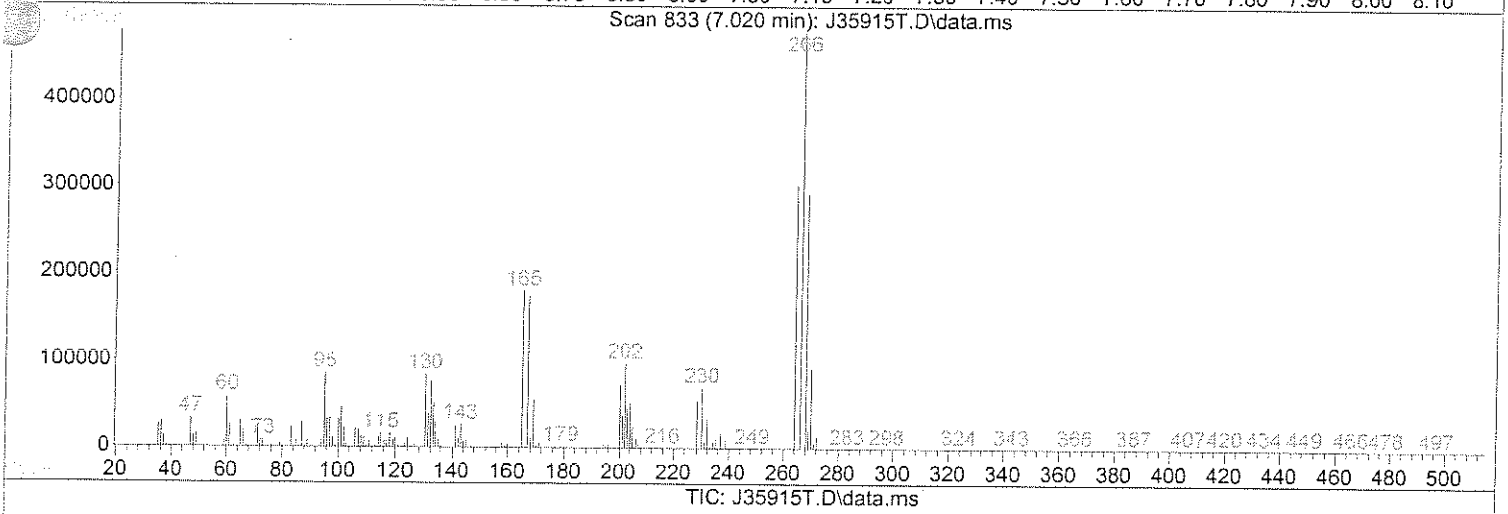
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

9/22/10





(1) Pentachlorophenol (TMC)

7.020min (0.000) 33.66ug/ml

response 492228

Ion	Exp%	Act%
266.00	100	100
264.00	63.20	63.10
268.00	61.50	61.69
0.00	0.00	0.00

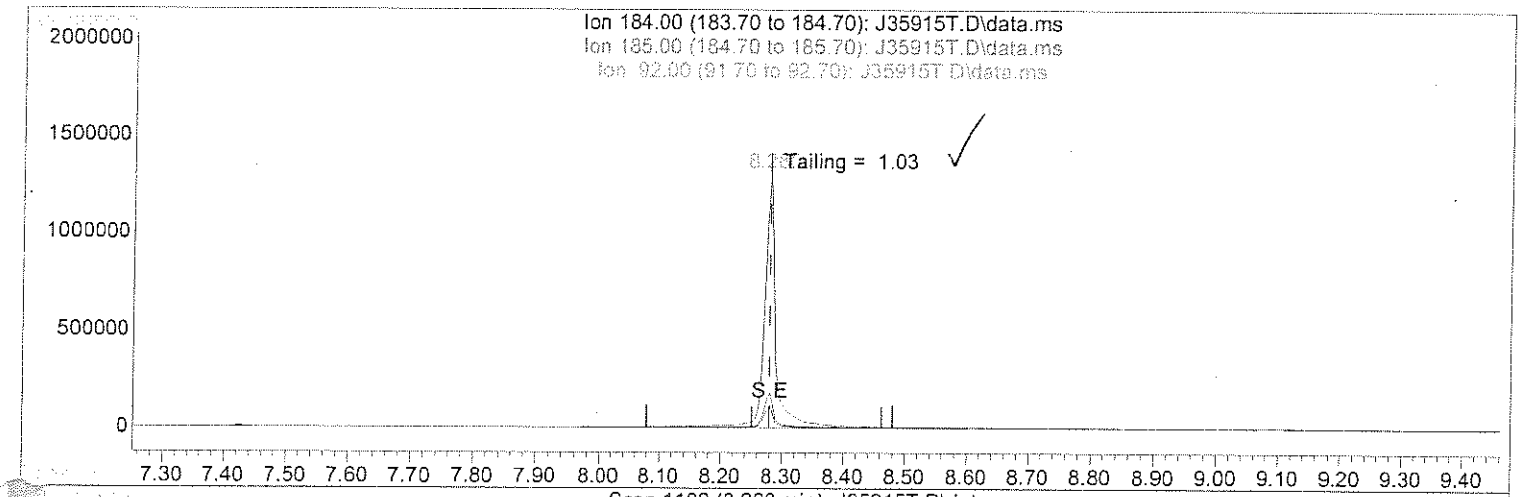
JG2210

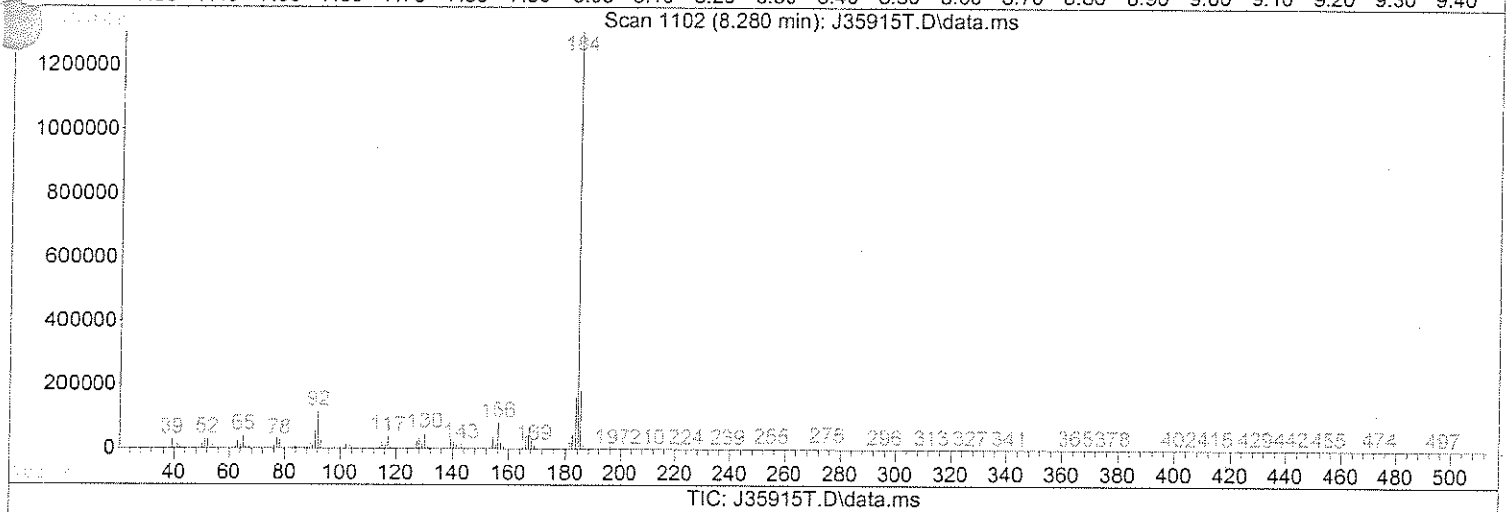
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

MN 9/22/10





(3) Benzidine (TM)

8.280min (0.000) 25.47ug/ml

response 1576401

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	14.27#
92.00	0.00	8.87#
0.00	0.00	0.00

J12210

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

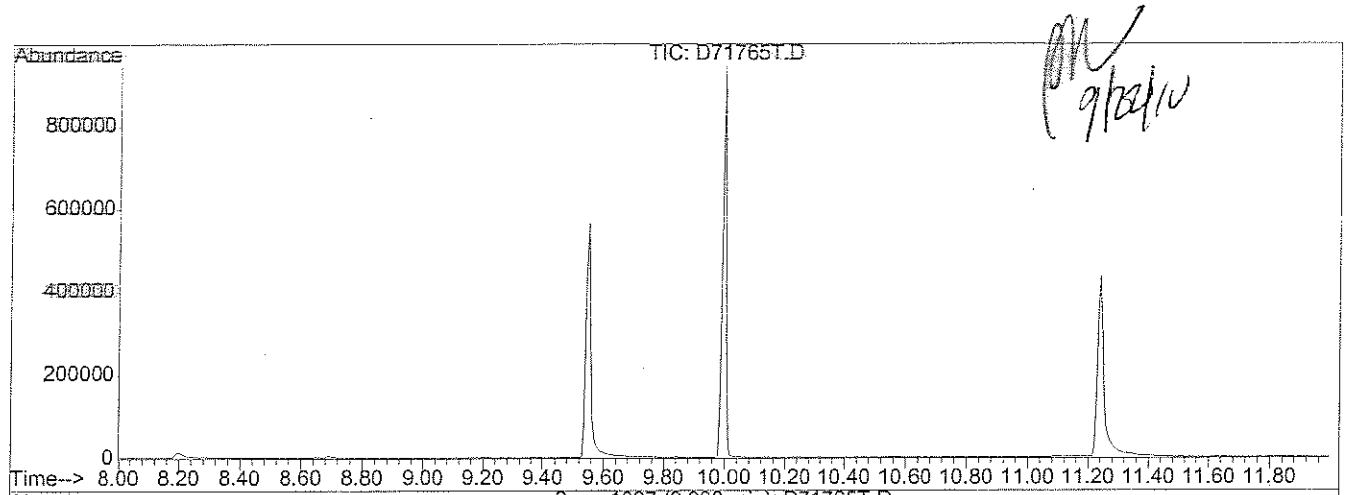
SDG: 67833
DFTPP File ID: D71765T.D
DFTPP Injection Date: 09/22/10
DFTPP Injection Time: 2:09

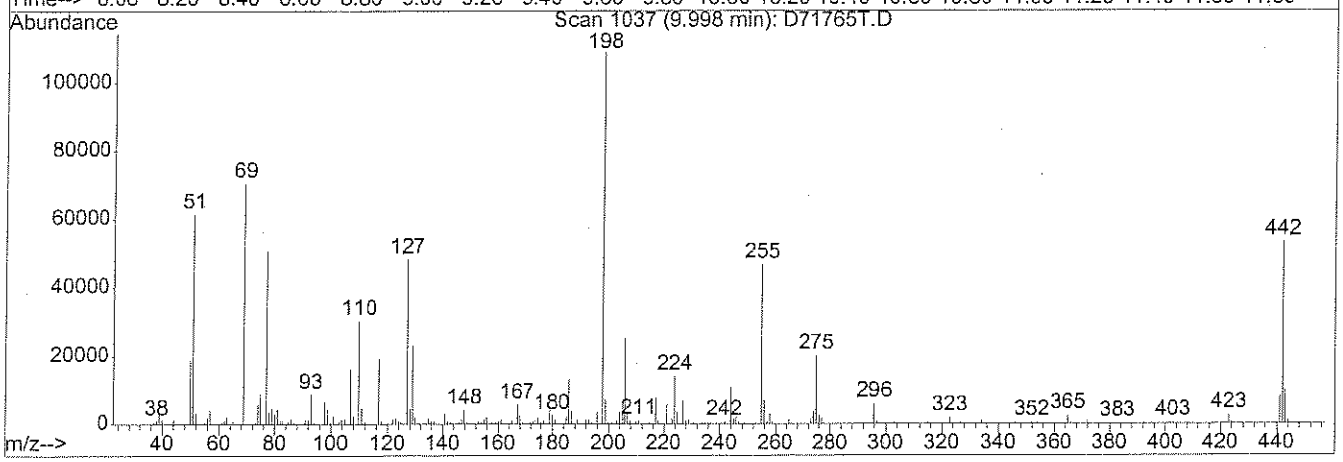
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71766SC.D	9/22/10 2:39
HEXANE W/IS	D71767.D	9/22/10 3:09
B092010EASE,,RR	D71768B.D	9/22/10 3:40
B092010EASE2	D71769B.D	9/22/10 4:10
L092010EASE2	D71770Q.D	9/22/10 4:39
LD092010EASE2	D71771Q.D	9/22/10 5:10
67833-11	D71772.D	9/22/10 5:39
67833-12	D71773.D	9/22/10 8:27
67833-13	D71774.D	9/22/10 8:57
67833-14	D71775.D	9/22/10 9:27
67833-15	D71776.D	9/22/10 9:56
67833-16	D71777.D	9/22/10 10:26
S10042 ALI 40	D71781SC.D	9/22/10 12:57
S10042 ALI 40	D71782SC.D	9/22/10 13:28

Refer to the DFTPP report D71765T.D for ion ratio evaluation.

DFTPP

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D Vial: 1
Acq On : 22 Sep 2010 2:09 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX





Spectrum Information: Scan 1037

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	56.3	61576	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	64.5	70552	PASS
70	69	0.00	2	0.5	341	PASS
127	198	40	60	44.2	48336	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109320	PASS
199	198	5	9	6.7	7314	PASS
275	198	10	30	18.4	20128	PASS
365	198	1	100	2.2	2428	PASS
441	443	0.01	100	79.0	8051	PASS
442	198	40	100	48.7	53272	PASS
443	442	17	23	19.1	10188	PASS

9/22/10

D71765T.D TUNMXEPH.M Wed Sep 22 03:41:16 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71765T.D**
Date Acquired **9/22/2010 2:09**

9/22/10

Name	Target Response
PENTACHLOROPHENOL	61202.00
BENZIDINE	243269.00
DDE	72.00
DDD	600
DDT	152622

(0% - 20%)

%DDT BREAKDOWN = 0.44% **OK**

392210

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/22/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.55	266	61202	24.28 UG/L	97
2) DFTPP	10.00	198	89800	29.39 ug/ml	96
3) BENZIDINE	11.24	184	243269	30.32 UG/L #	100
4) DDE	11.50	246	72	0.72 UG/L #	100
5) DDD	12.07	235	600	6.00 UG/L #	36
6) DDT	12.60	235	152622	33.78 UG/L	97

J92210

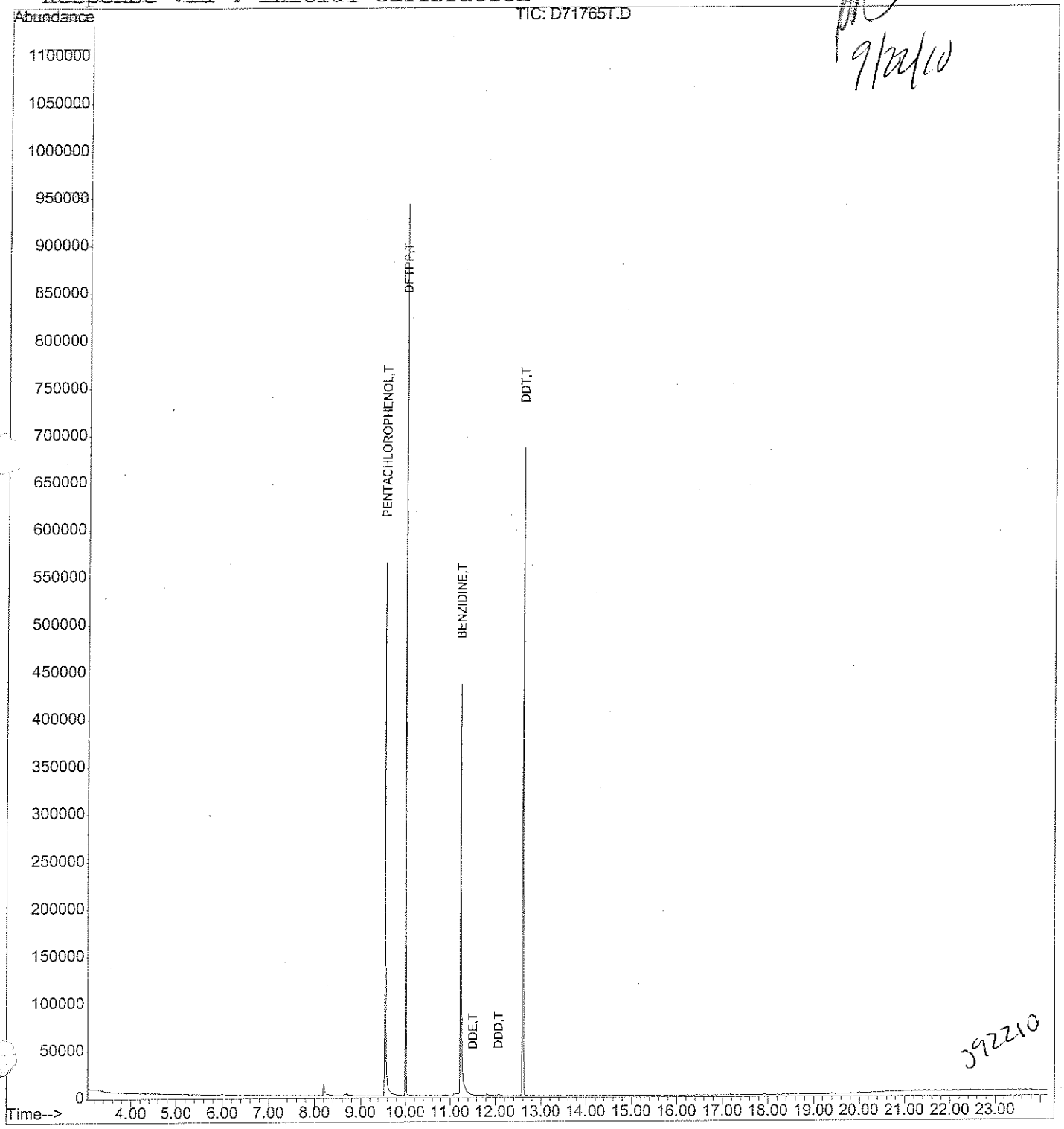
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration



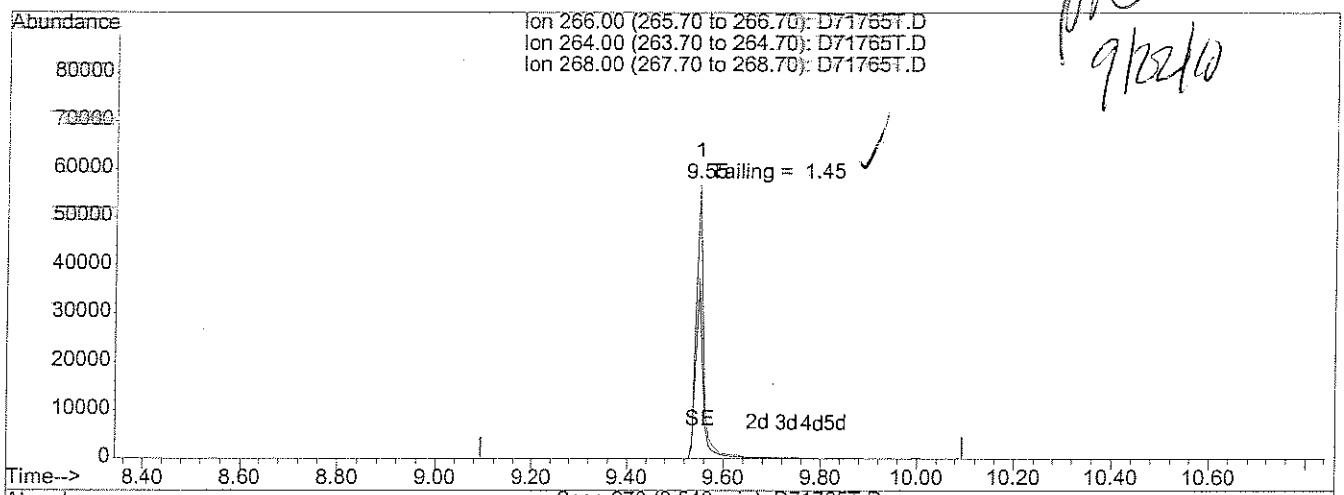
9/22/10

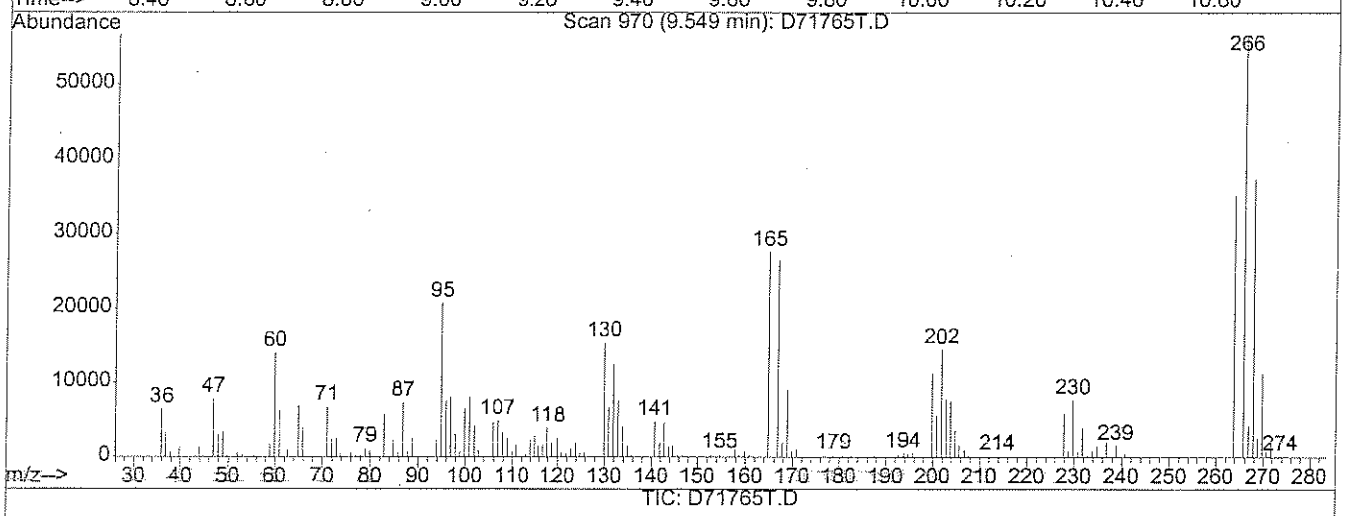
092210

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D Vial: 1
Acq On : 22 Sep 2010 2:09 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration





(1) PENTACHLOROPHENOL (T)

9.55min 24.28UG/L

response 61202

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	62.65
268.00	62.40	64.84
0.00	0.00	0.00

9/22/10

392210

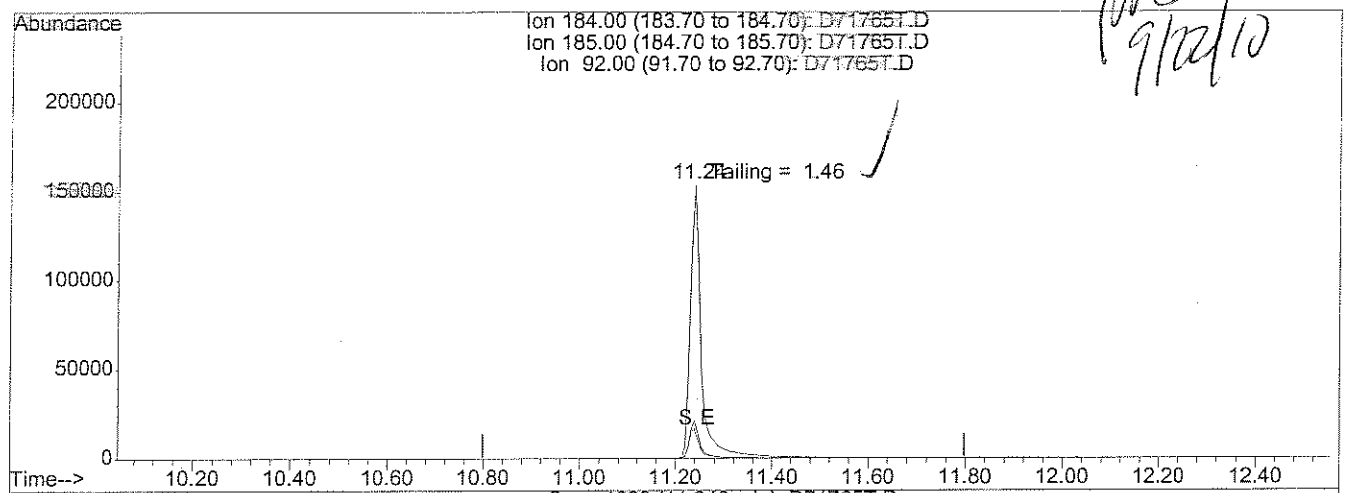
D71765T.D TUNMXEPH.M Wed Sep 22 03:42:55 2010

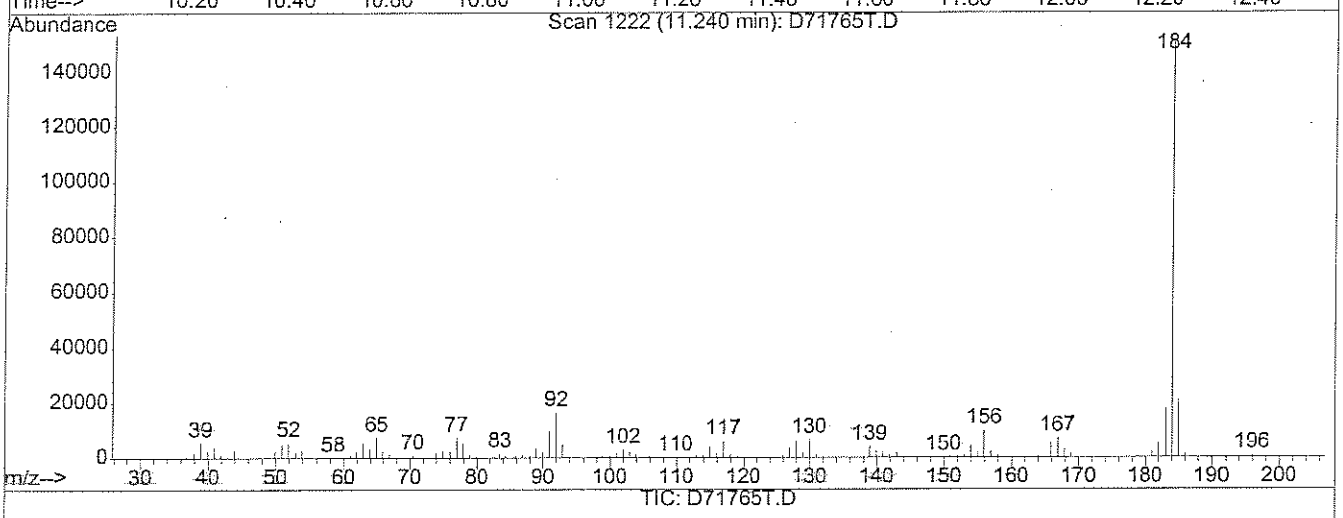
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D Vial: 1
Acq On : 22 Sep 2010 2:09 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/22/10





TIC: D71765T.D

(3) BENZIDINE (T)

11.24min 30.32UG/L

response 243269

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.30#
92.00	0.00	10.82#
0.00	0.00	0.00

592210

D71765T.D TUNMXEPH.M Wed Sep 22 03:43:01 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67833
DFTPP File ID: J35930T.D
DFTPP Injection Date: 09/22/10
DFTPP Injection Time: 4:30

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
S10041 ARO 20	J35931SC.D	9/22/10	4:53
HEXANE W/IS	J35932.D	9/22/10	5:16
B092010EASE	J35933B.D	9/22/10	5:39
L092010EASE	J35934Q.D	9/22/10	6:02
LD092010EASE	J35935Q.D	9/22/10	6:25
L092010EASE	J35936Q.D	9/22/10	6:47
LD092010EASE	J35937Q.D	9/22/10	7:10
67833-1	J35938.D	9/22/10	7:33
67833-2	J35939.D	9/22/10	7:55
67833-3	J35940.D	9/22/10	8:18
67833-4	J35941.D	9/22/10	8:41
67833-5	J35942.D	9/22/10	9:03
67833-6	J35943.D	9/22/10	9:26
67833-6,MS	J35944SP.D	9/22/10	9:49
67833-6,MSD	J35945SP.D	9/22/10	10:11
67833-7	J35946.D	9/22/10	10:34
67833-8	J35947.D	9/22/10	10:57
67833-9	J35948.D	9/22/10	11:20
67833-10	J35949.D	9/22/10	11:43
67833-11	J35950.D	9/22/10	12:07
67833-12	J35951.D	9/22/10	12:30
67833-13	J35952.D	9/22/10	12:53
67833-14	J35953.D	9/22/10	13:17
67833-15	J35954.D	9/22/10	13:40
67833-16	J35955.D	9/22/10	14:03
S10041 ARO 20	J35959SC.D	9/22/10	15:35
S10041 ARO 20	J35960SC.D	9/22/10	15:58

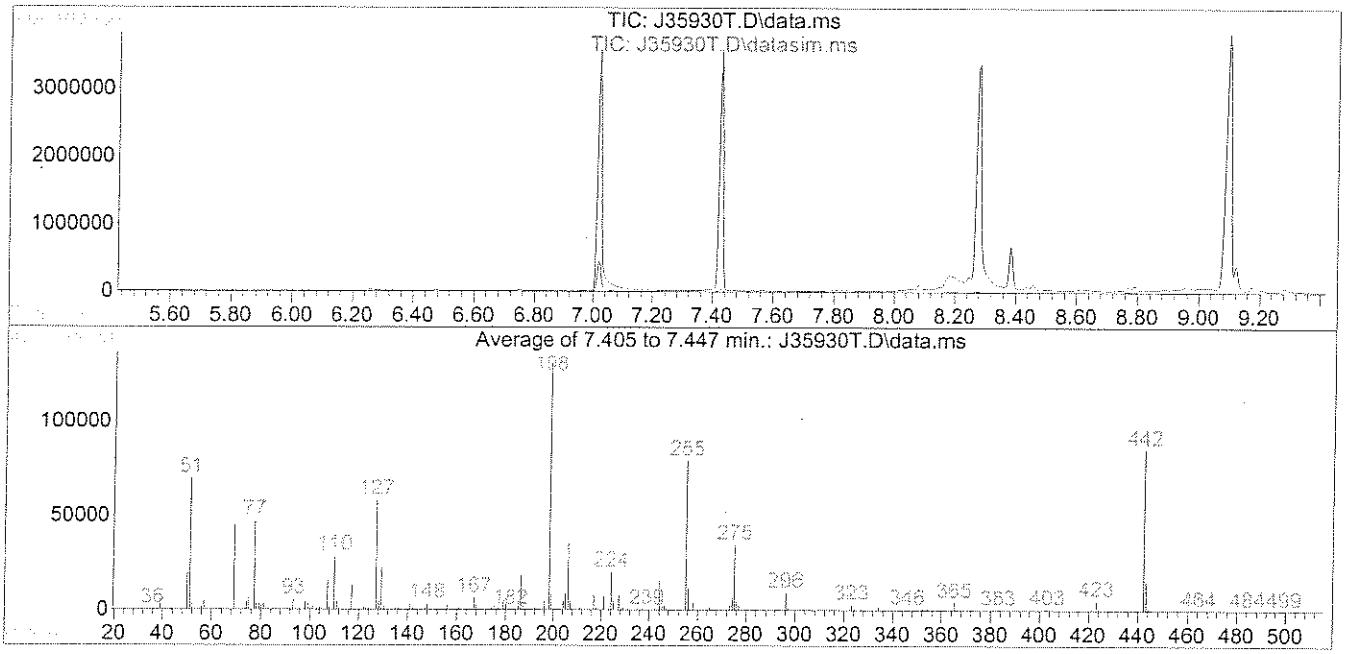
Refer to the DFTPP report J35930T.D for ion ratio evaluation.

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35930T.D
Acq On : 22 Sep 2010 4:30 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Wed Sep 22 00:54:43 2010

9/23/10



Spectrum Information: Average of 7.405 to 7.447 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	53.2	69777	PASS
68	69	0.00	2	0.0	17	PASS
69	198	0.00	100	34.6	45352	PASS
70	69	0.00	2	0.7	296	PASS
127	198	40	60	44.4	58131	PASS
197	198	0.00	1	0.0	2	PASS
198	198	100	100	100.0	131040	PASS
199	198	5	9	6.8	8876	PASS
275	198	10	30	26.7	34931	PASS
365	198	1	100	3.3	4366	PASS
441	443	0.01	100	0.2	34	PASS
442	198	40	100	65.3	85539	PASS
443	442	17	23	18.0	15399	PASS

J923W

SEMI-VOLATILE
TUNE MIX CHECK

OK 9/23/10

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35930T.D**
Date Acquired **9/22/2010 4:30**

Name	Target Response
Pentachlorophenol	481855.00
Benzidine	1704933.00
DDE	2326.00
DDD	17542
DDT	965301

(0% - 20%)

%DDT BREAKDOWN = 2.02% **OK**

092310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35930T.D
Acq On : 22 Sep 2010 4:30 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 04:49:54 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

OK 9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) Pentachlorophenol	7.021	266	481855	32.95	ug/ml	99
2) DFTPP	7.428	198	365231	30.24	ug/ml#	100
3) Benzidine	8.281	184	1704933	27.55	ug/ml#	100
4) DDE	8.440	246	2326	1.58	ug/ml#	100
5) DDD	8.773	235	17542	1.09	ug/ml#	100
6) DDT	9.095	235	965301	31.46	ug/ml#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

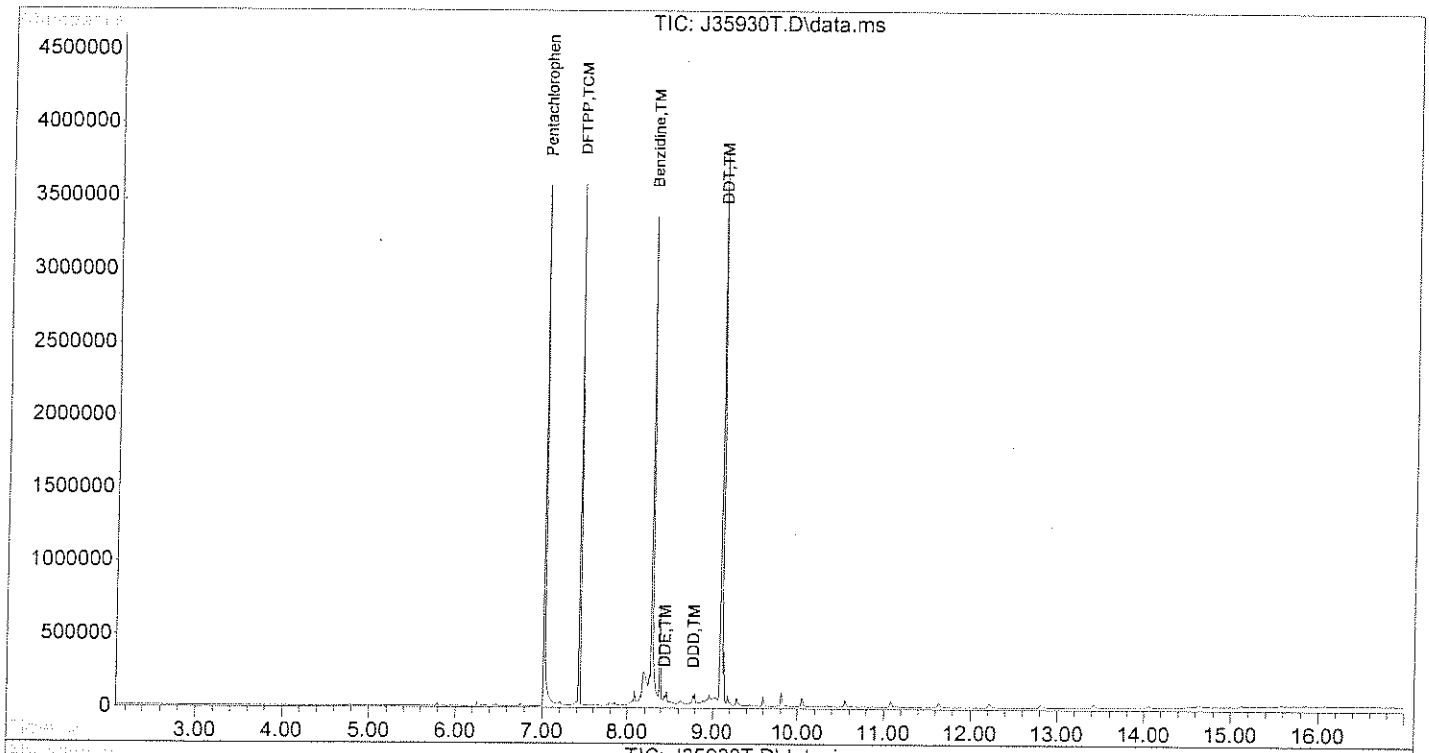
59-2310

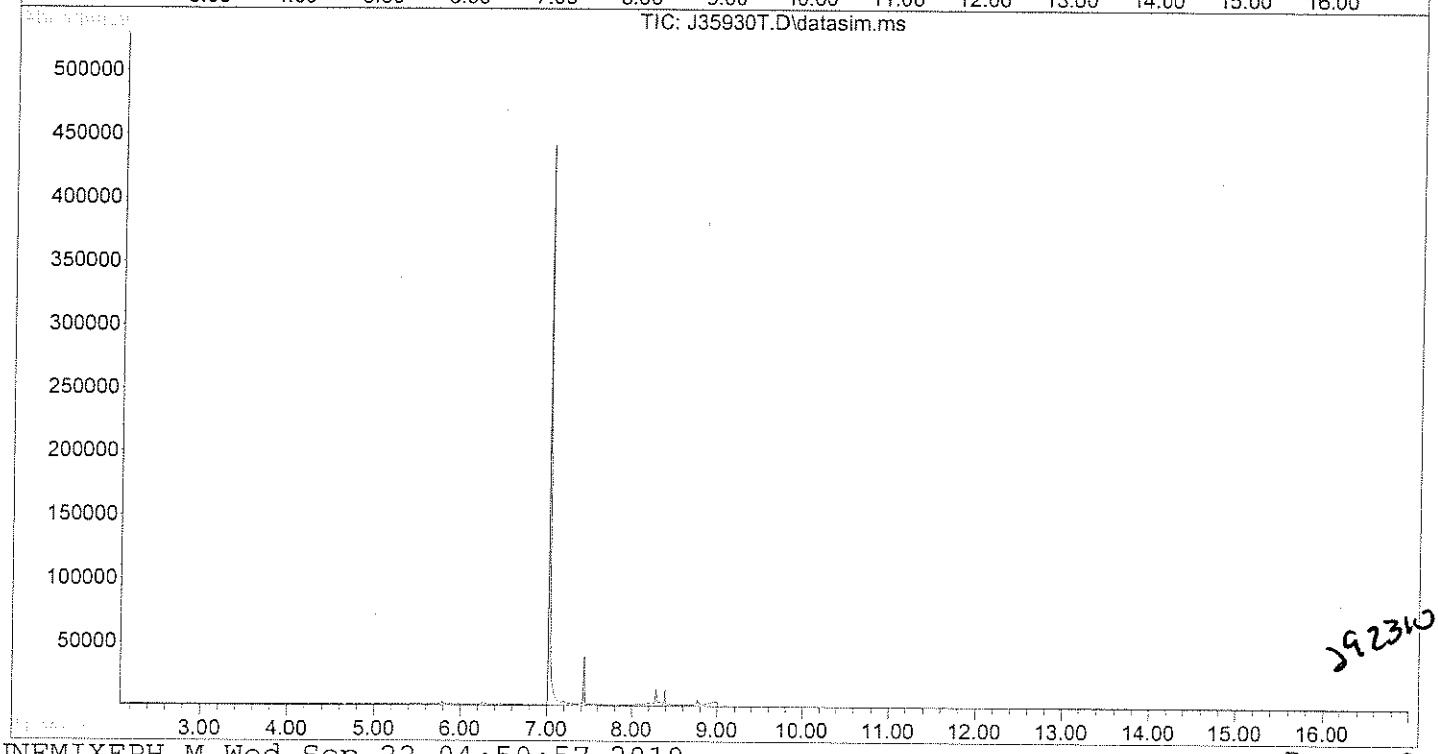
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35930T.D
Acq On : 22 Sep 2010 4:30 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 04:49:54 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

9/23/10





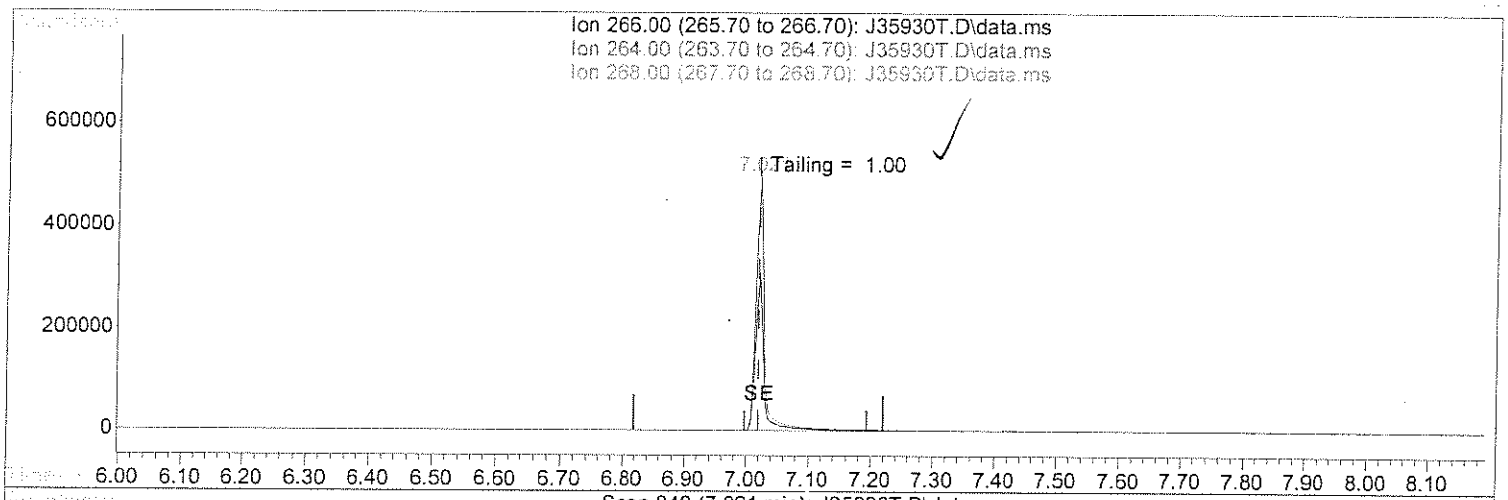
J92310

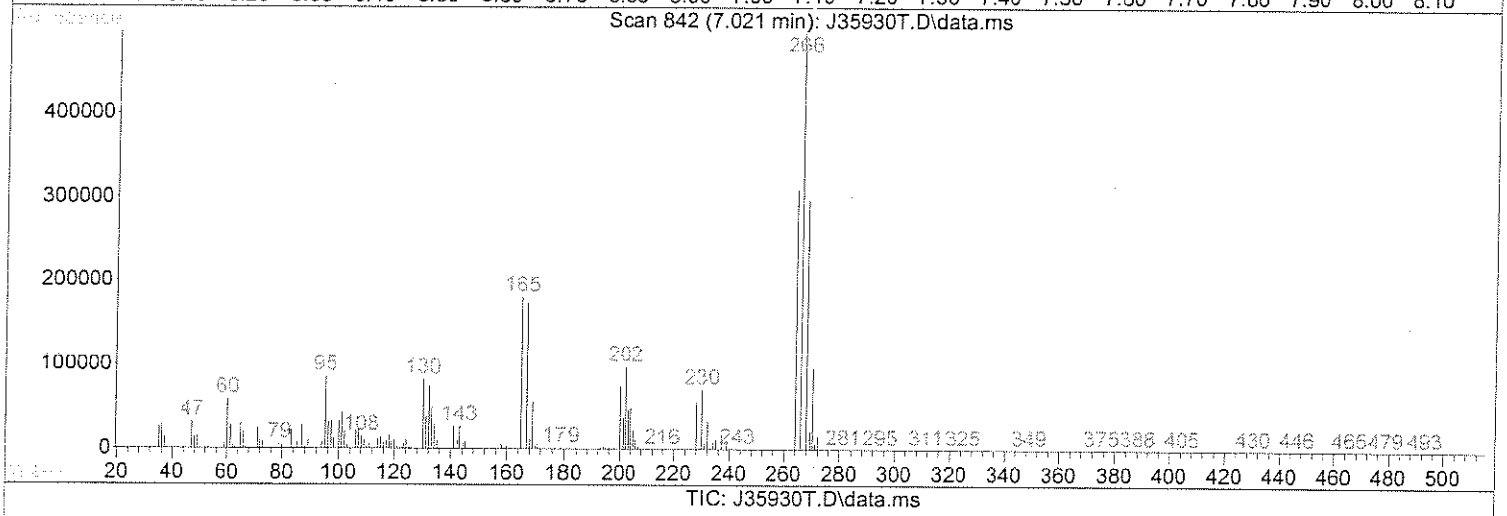
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35930T.D
Acq On : 22 Sep 2010 4:30 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 04:49:54 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

MN 9/23/10





(1) Pentachlorophenol (TMC)

7.021min (+0.001) 32.95ug/ml

response 481855

Ion	Exp%	Act%
266.00	100	100
264.00	63.20	62.68
268.00	61.50	60.48
0.00	0.00	0.00

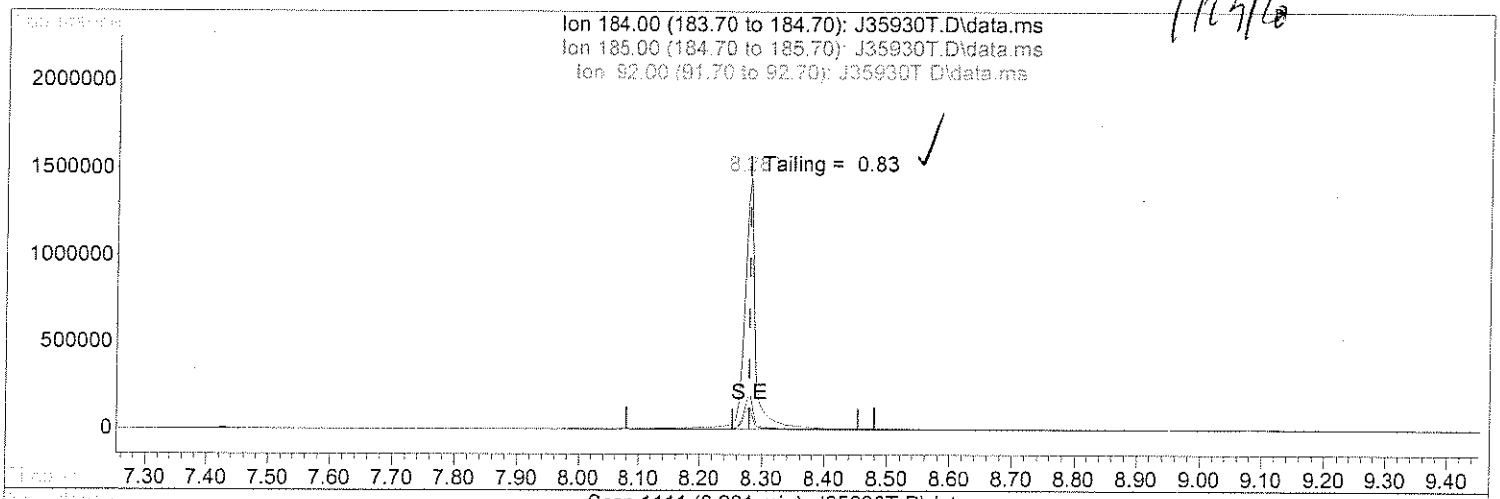
J92310

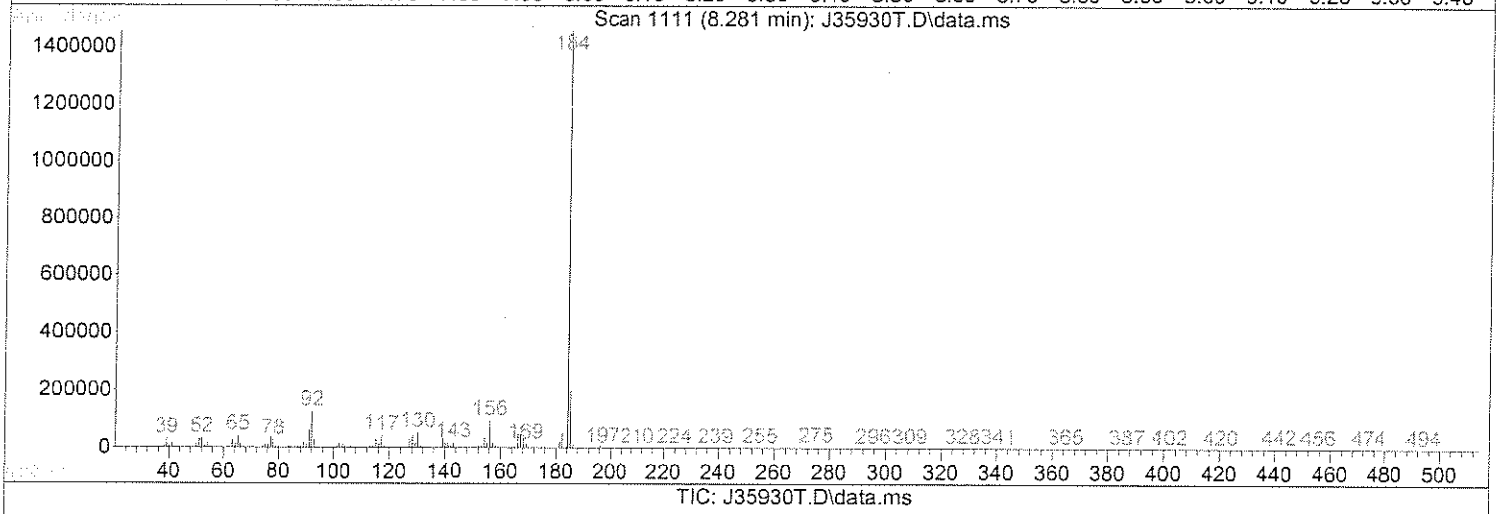
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35930T.D
Acq On : 22 Sep 2010 4:30 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 04:49:54 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

AK 9/23/10





(3) Benzidine (TM)

8.281min (+0.001) 27.55ug/ml

response 1704933

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	14.06#
92.00	0.00	8.54#
0.00	0.00	0.00

J92310

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010

N080560

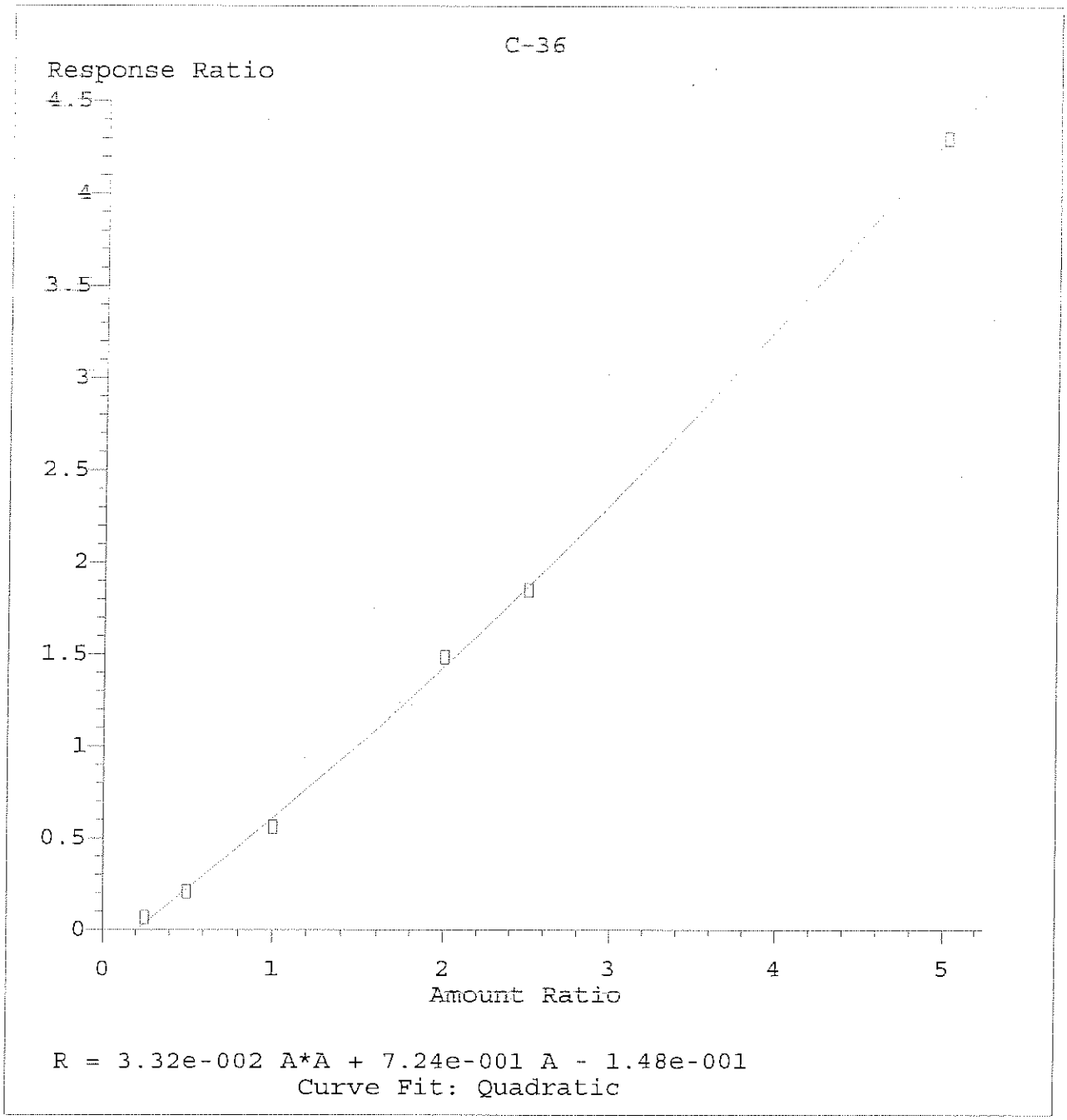
Calibration Files
5 =D71447SI.D 10 =D71448SI.D 20 =D71449SI.D
40 =D71450SI.D 50 =D71451SI.D 100 =D71452SI.D

		Compound	5	10	20	40	50	100	Avg		%RSD
1)	I	5-alpha-Androstane	----------ISTD----------								
2)	TZM	C-9	1.183	1.207	1.210	1.297	1.278	1.277	1.242	0	3.8
3)	TZM	C-10	1.208	1.243	1.232	1.328	1.325	1.283	1.270	0	3.9
4)	TZM	C-12	1.226	1.320	1.372	1.449	1.422	1.394	1.364	0	5.9
5)	TZM	C-14	1.287	1.336	1.376	1.498	1.486	1.410	1.399	0	5.9
6)	TZM	C-16	1.221	1.308	1.370	1.410	1.411	1.381	1.350	0	5.4
7)	TZM	C-18	1.202	1.290	1.351	1.451	1.435	1.329	1.343	0	6.8
8)	XH	C9-C18 ✓	1.221	1.284	1.319	1.405	1.393	1.346	1.328	0	5.2
9)	TZM	C-19	1.201	1.280	1.351	1.418	1.425	1.296	1.329	0	6.5
10)	TZM	C-20	1.160	1.240	1.286	1.445	1.394	1.287	1.302	0	7.9
11)	S	1-Chlorooctadecane	1.087	1.167	1.211	1.310	1.301	1.288	1.227	0	7.2
12)	TZM	C-22	1.146	1.251	1.294	1.401	1.365	1.282	1.290	0	6.9
13)	TZM	C-24	0.999	1.219	1.235	1.377	1.347	1.251	1.238	0	10.7
14)	TZM	C-26	0.897	1.133	1.184	1.311	1.208	1.147	1.147	0	12.0
15)	TZM	C-28	0.701	0.966	1.045	1.149	1.115	1.062	1.006	0	16.1
16)	TZM	C-30	0.584	0.821	0.931	1.078	1.043	0.979	0.906	0	20.0
[illegible]	TZM	C-36	0.268	0.418	0.560	0.742	0.740	0.860	0.598	0	37.5
[illegible])	XH	C19-C36 ✓	0.869	1.041	1.111	1.240	1.205	1.145	1.102	0	12.1

✓ PM 8/5/10

(#) = Out of Range

NTO 80510



Method Name: D:\HPCHEM\1\METHODS\ALG80410.M
Calibration Table Last Updated: Thu Aug 05 08:16:42 2010

JON 8/5/10

GC ALIPHATIC
2ND SOURCE CHECK

Data File Name D71453.D
Sample Name S9715 ALI 20 ICV
Date Acquired 8/5/2010 5:21

N080410

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
C-9	20.65	20	103%	OK	20.65		
C-10	21.26	20	106%	OK	21.26		
C-12	22.50	20	113%	OK	22.50		
C-14	21.19	20	106%	OK	21.19		
C-16	21.45	20	107%	OK	21.45		
C-18	20.57	20	103%	OK	20.57		
C9-C18		120			**127.62**	106%	OK
C-19	20.54	20	103%	OK	20.54		
C-20	21.18	20	106%	OK	21.18		
C-22	21.05	20	105%	OK	21.05		
C-24	20.76	20	104%	OK	20.76		
C-26	20.40	20	102%	OK	20.40		
C-28	21.22	20	106%	OK	21.22		
C-30	20.68	20	103%	OK	20.68		
C-36	18.98	20	95%	OK	18.98		
C19-C36		160			**164.81**	103%	OK
1-Chlorooctadecane	19.20	20	96%	OK			

JOM 8/5/10

8/5/10 8:18 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ALGICVSUMPRCT.CRT

Response Factor Report Instrument J

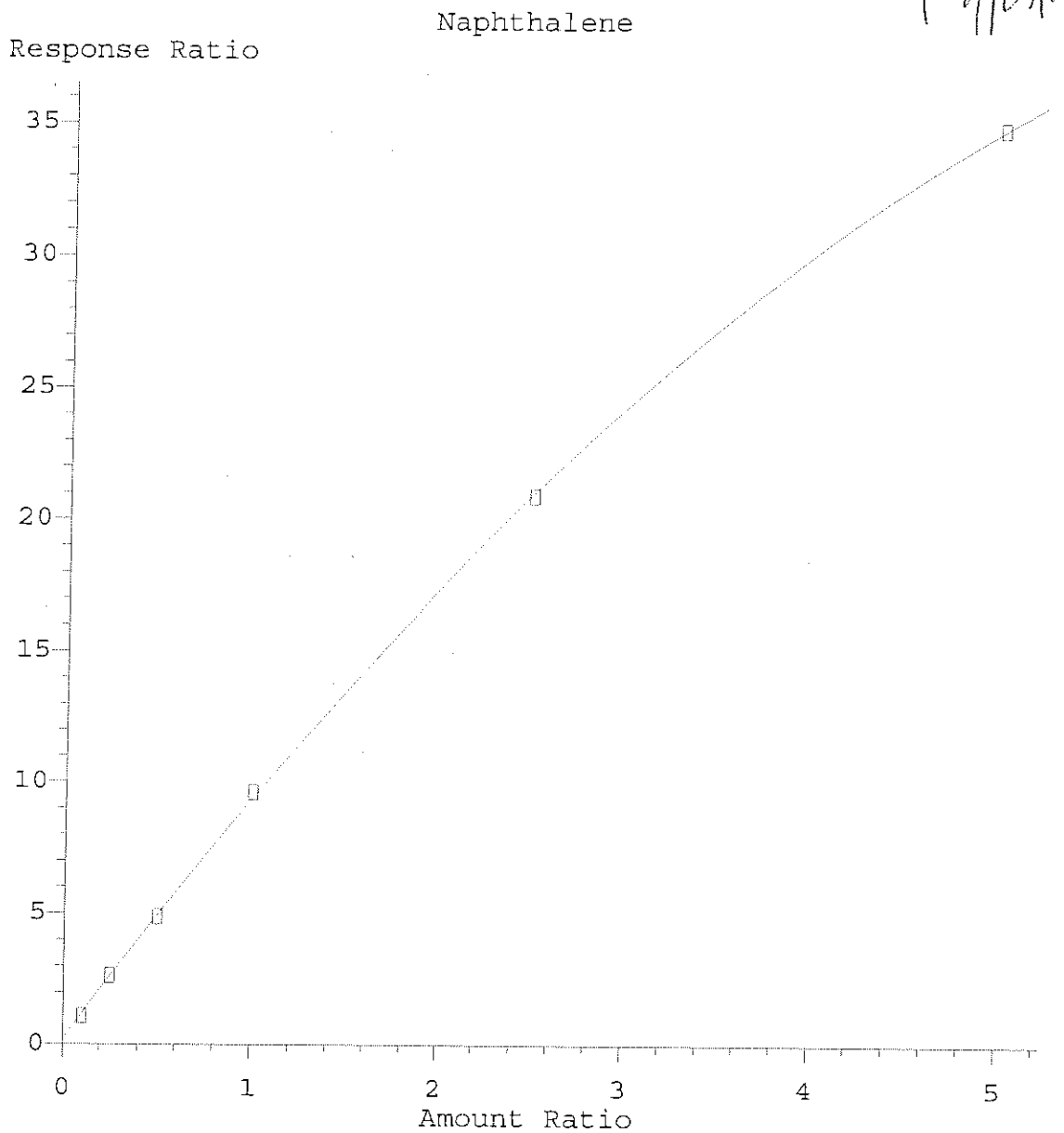
Method Path : C:\msdchem\1\METHODS\
Method File : ARM092110.M
Title : EPH MS AROMATICS
Last Update : Wed Sep 22 03:42:32 2010
Response Via : Initial Calibration

Calibration Files
2 =J35922SI.D 5 =J35923SI.D 10 =J35924SI.D 20 =J35925SI.D
50 =J35926SI.D 100 =J35927SI.D

		Compound	2	5	10	20	50	100	Avg		%RSD
1)	I	5-alpha-Androstane	----------ISTD----------								
2)	TM	Naphthalene	1.078	1.052	0.973	0.960	0.835	0.697	0.932	E1	15.38
3)	TM	2-Methylnaphth...	6.259	5.925	5.422	5.362	4.575	3.830	5.229		17.08
4)	TM	Acenaphthylene	1.150	1.143	1.057	1.036	0.897	0.757	1.007	E1	15.19
5)	TM	Acenaphthene	6.505	6.218	5.722	5.603	4.829	3.988	5.477		16.97
6)	TM	Fluorene	8.263	7.856	7.458	7.263	6.141	5.208	7.031		16.28
7)	TM	Phenanthrene	1.156	1.163	1.086	1.045	0.891	0.742	1.014	E1	16.34
8)	TM	Anthracene	1.213	1.166	1.087	1.043	0.879	0.737	1.021	E1	17.71
9)	S	2-Fluorobiphenyl	8.587	8.314	7.842	7.733	6.949	5.967	7.565		12.74
10)	S	2-Bromonaphtha...	3.897	3.801	3.556	3.480	3.220	2.807	3.460		11.57
11)	S	o-terphenyl	6.812	6.639	6.306	6.054	5.591	4.946	6.058		11.49
12)	TM	Fluoranthene	1.350	1.270	1.226	1.164	0.957	0.833	1.133	E1	17.47
13)	TM	Pyrene	1.399	1.320	1.266	1.203	1.017	0.878	1.180	E1	16.66
14)	TM	Benzo[a]anthra...	1.065	1.043	1.003	0.968	0.865	0.793	0.956	E1	11.13
15)	TM	Chrysene	1.090	1.044	0.988	0.934	0.828	0.726	0.935	E1	14.65
16)	TM	Benzo[b] fluor...	8.919	8.719	8.495	8.623	7.987	7.653	8.399		5.73
17)	TM	Benzo[k] fluor...	9.731	9.088	8.920	8.240	7.343	6.574	8.316		14.18
18)	TM	Benzo[a] pyrene	8.722	8.531	8.291	8.163	7.362	6.972	8.007		8.61
19)	TM	Indeno [1,2,3-...	6.646	6.585	6.314	6.456	6.362	6.218	6.430		2.55
20)	TM	Dibenz [a,h] a...	6.509	5.989	6.262	6.305	6.286	5.567	6.153		5.39
21)	TM	Benzo(g,h,i) ...	7.605	7.496	7.111	6.965	6.752	5.797	6.954		9.37
22)		c11-c22							0.000#		-1.00

(#) = Out of Range

9/23/10

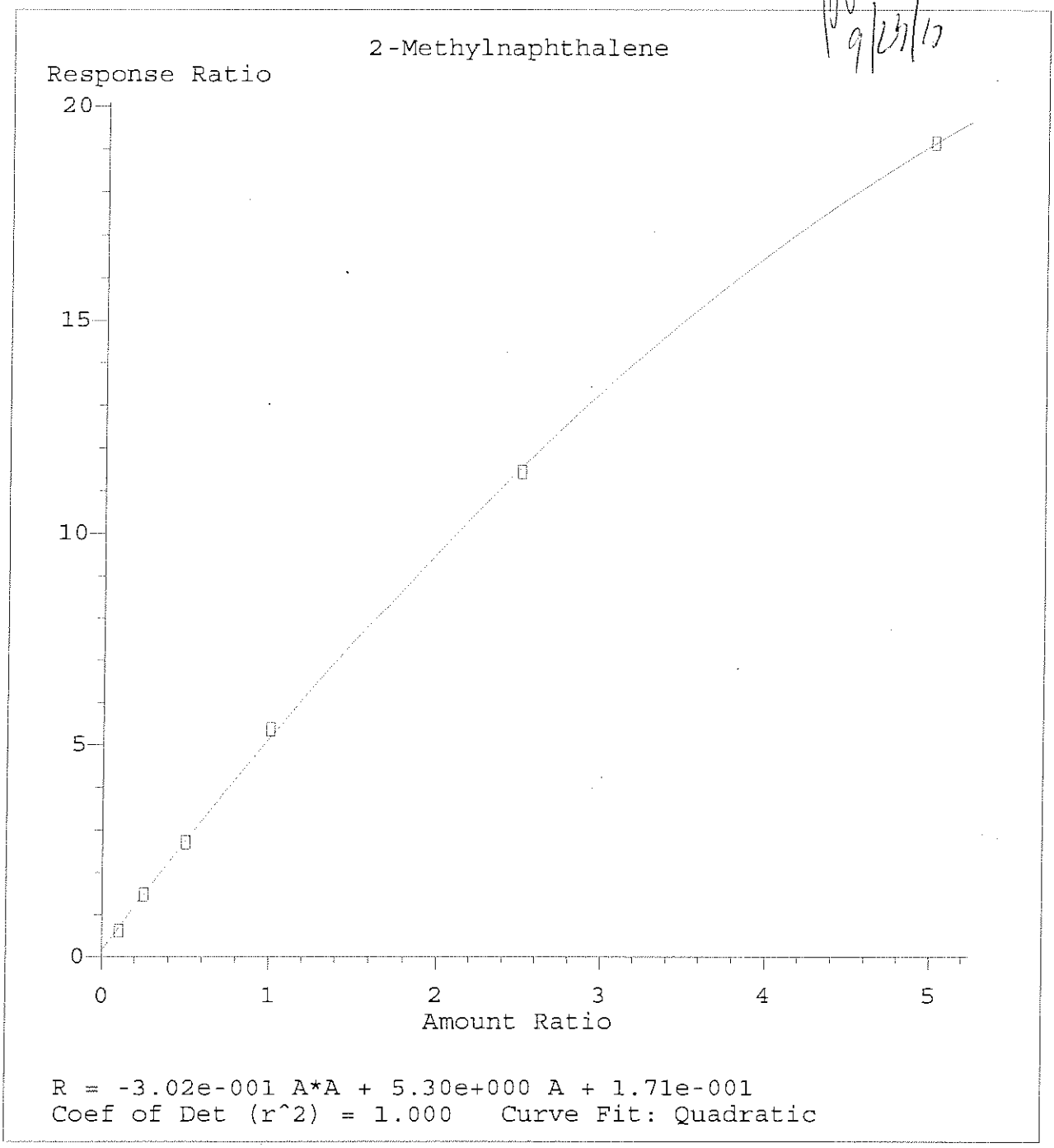


R = -5.60e-001 A*A + 9.72e+000 A + 2.07e-001
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:26 2010

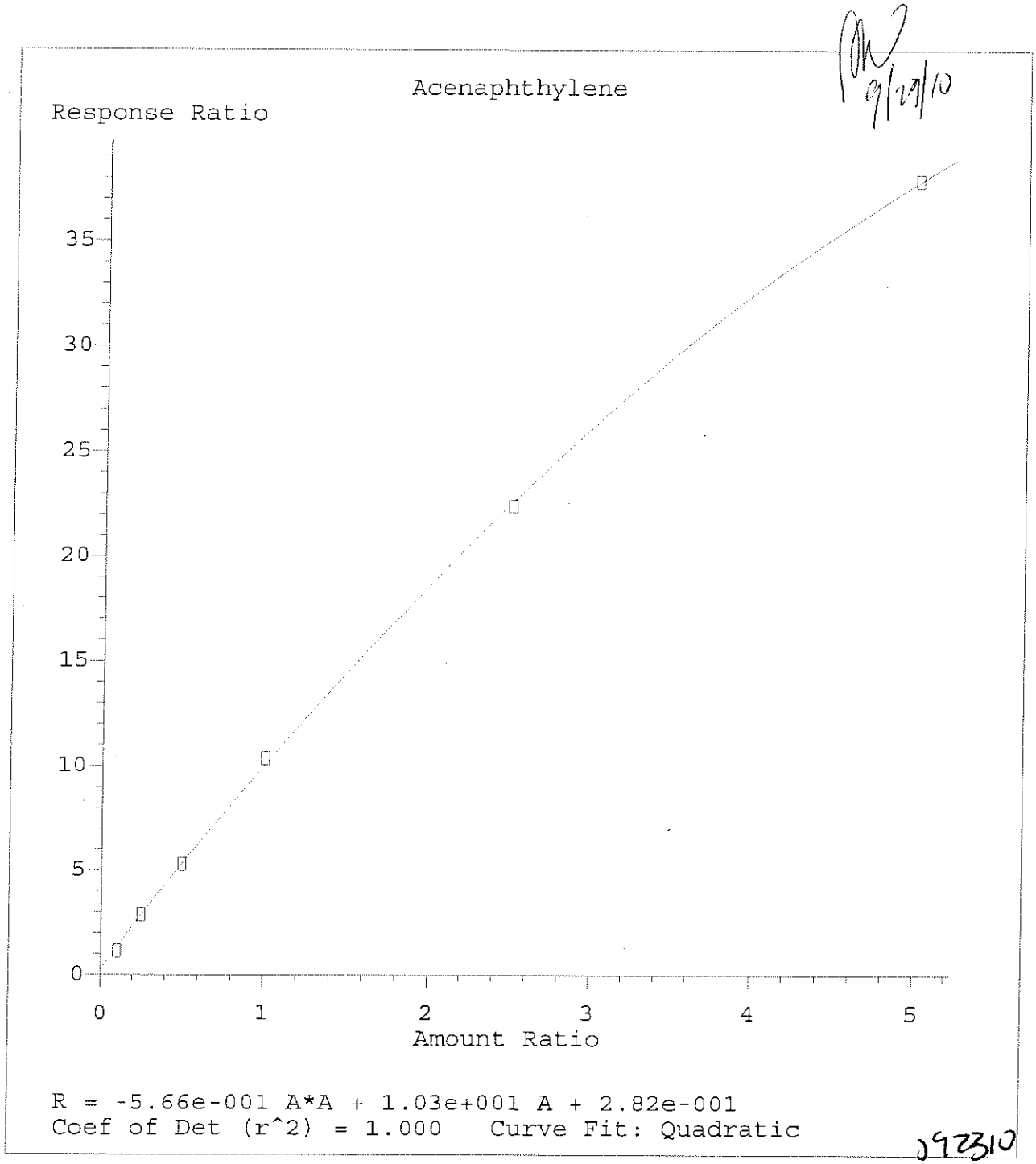
34-231J

9/23/10

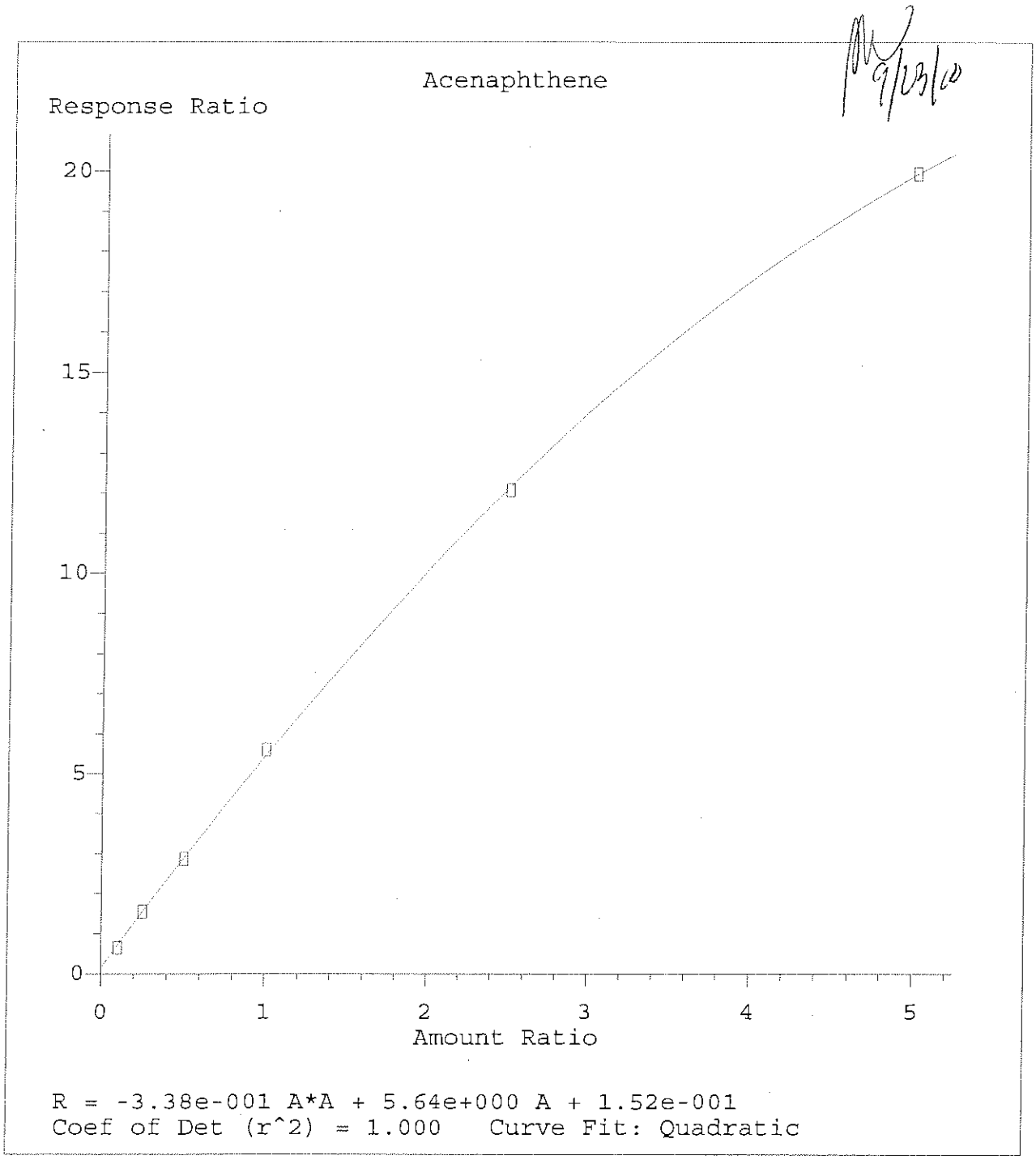


Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:45 2010

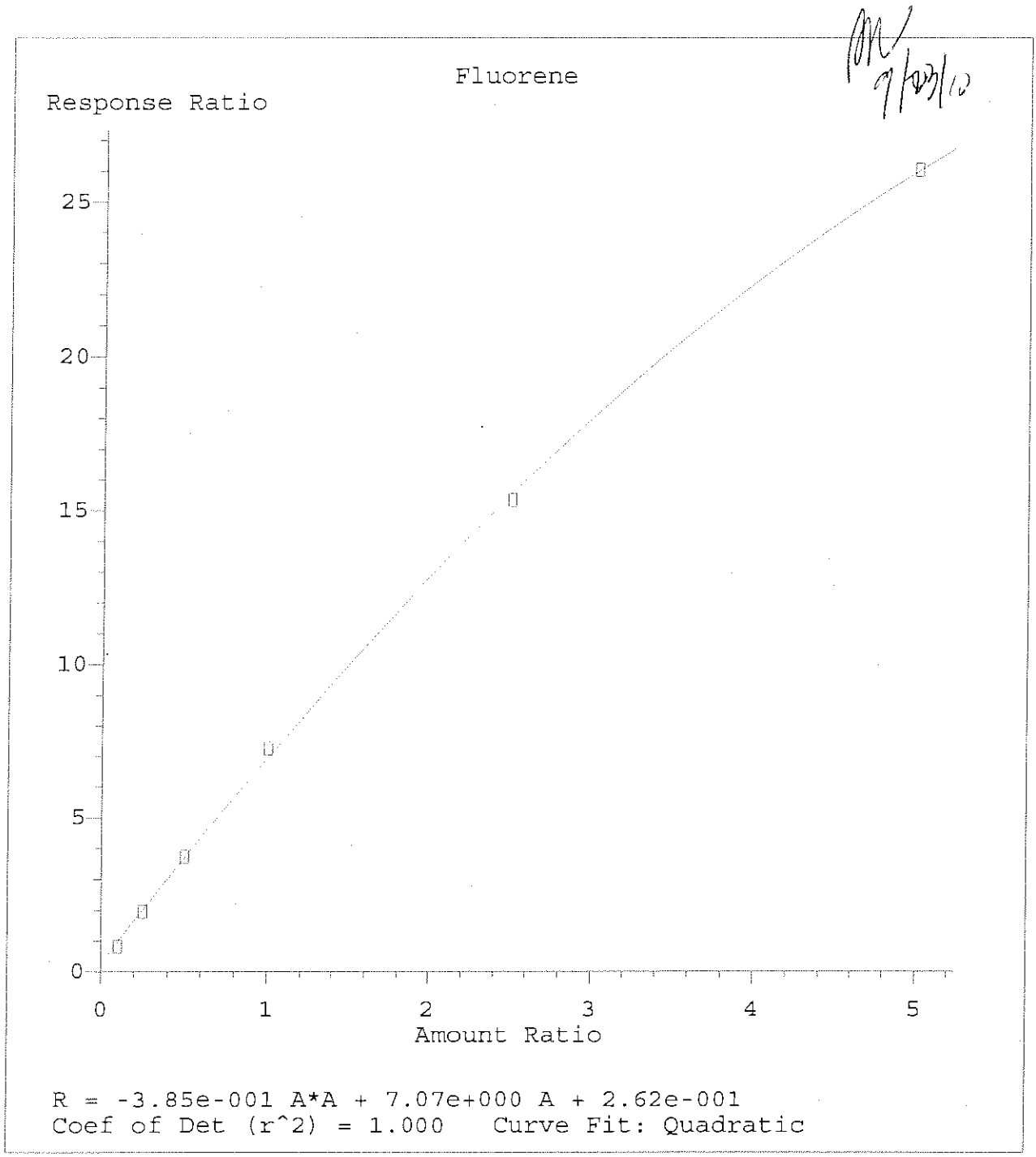
59231J



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:51 2010

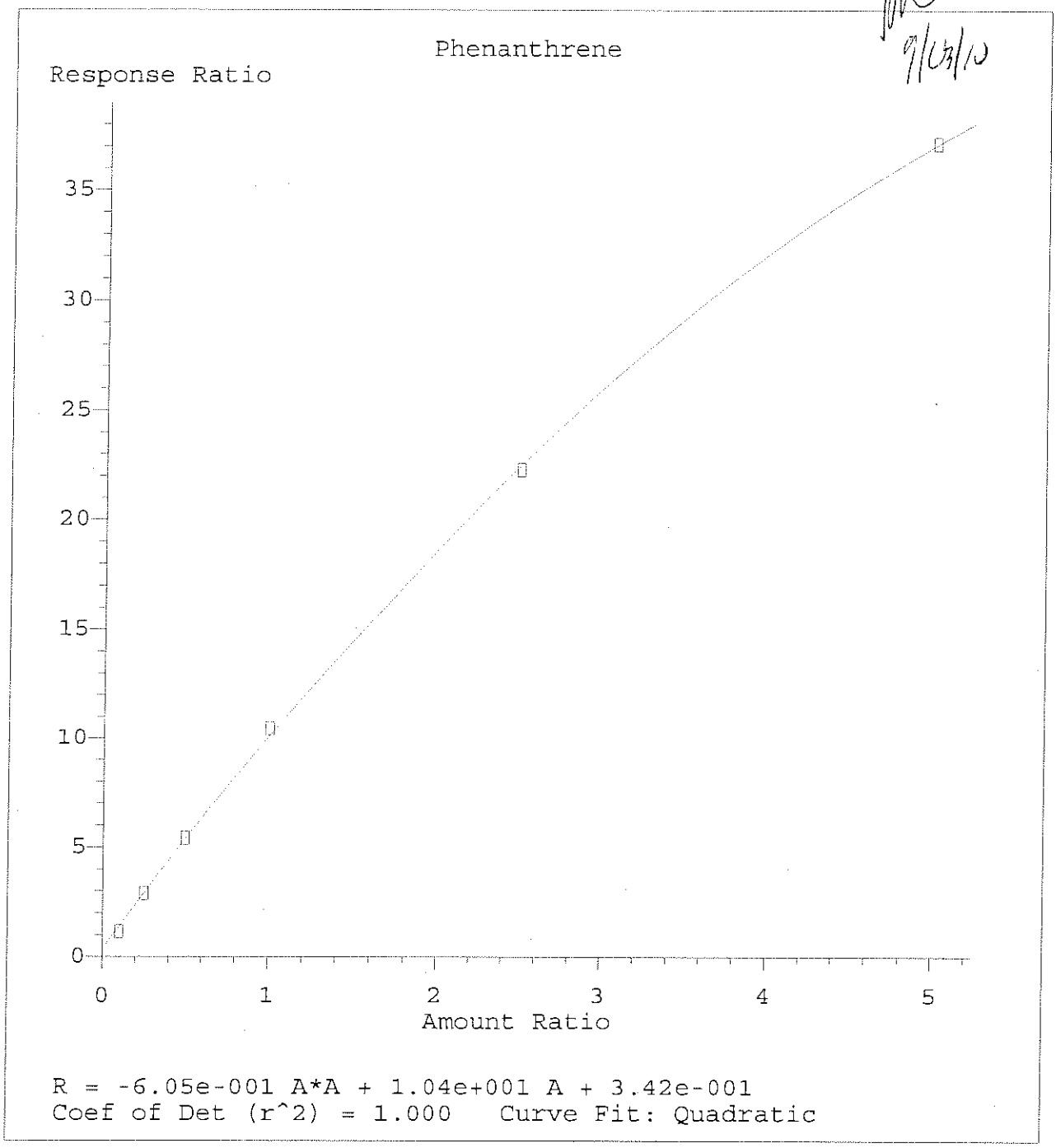


Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:57 2010



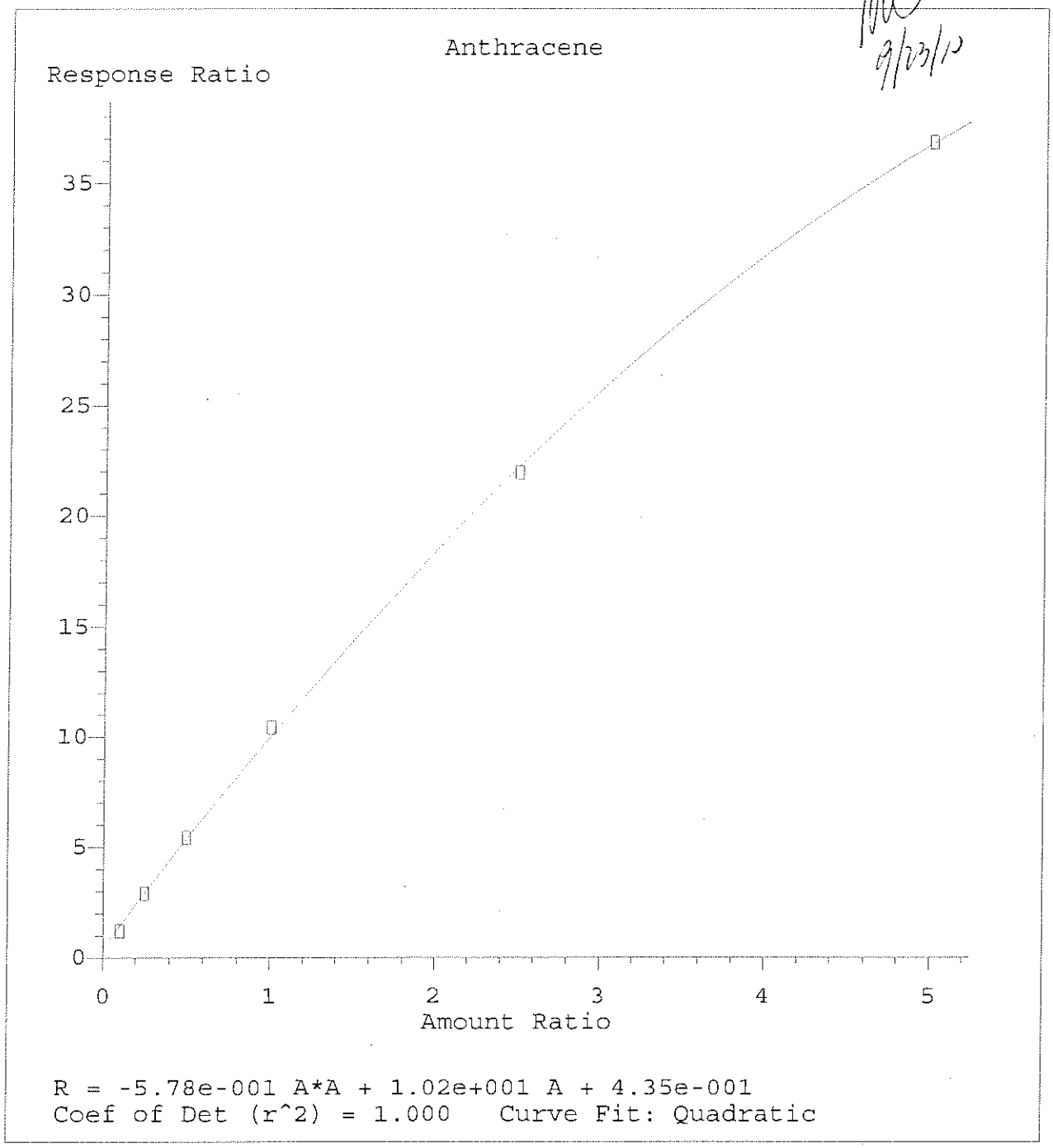
Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:02 2010

9/23/10



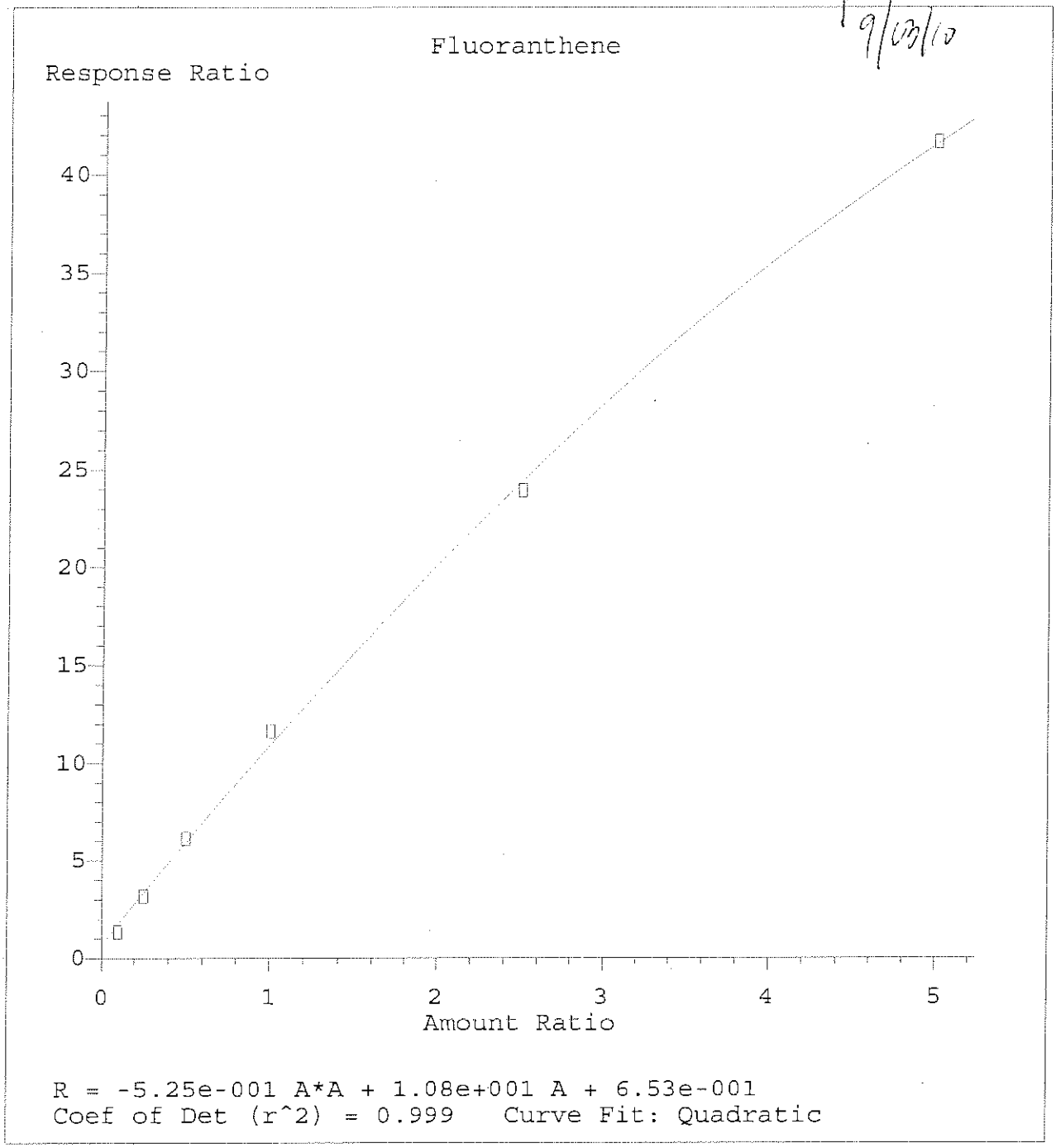
Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:07 2010

D92310



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:13 2010

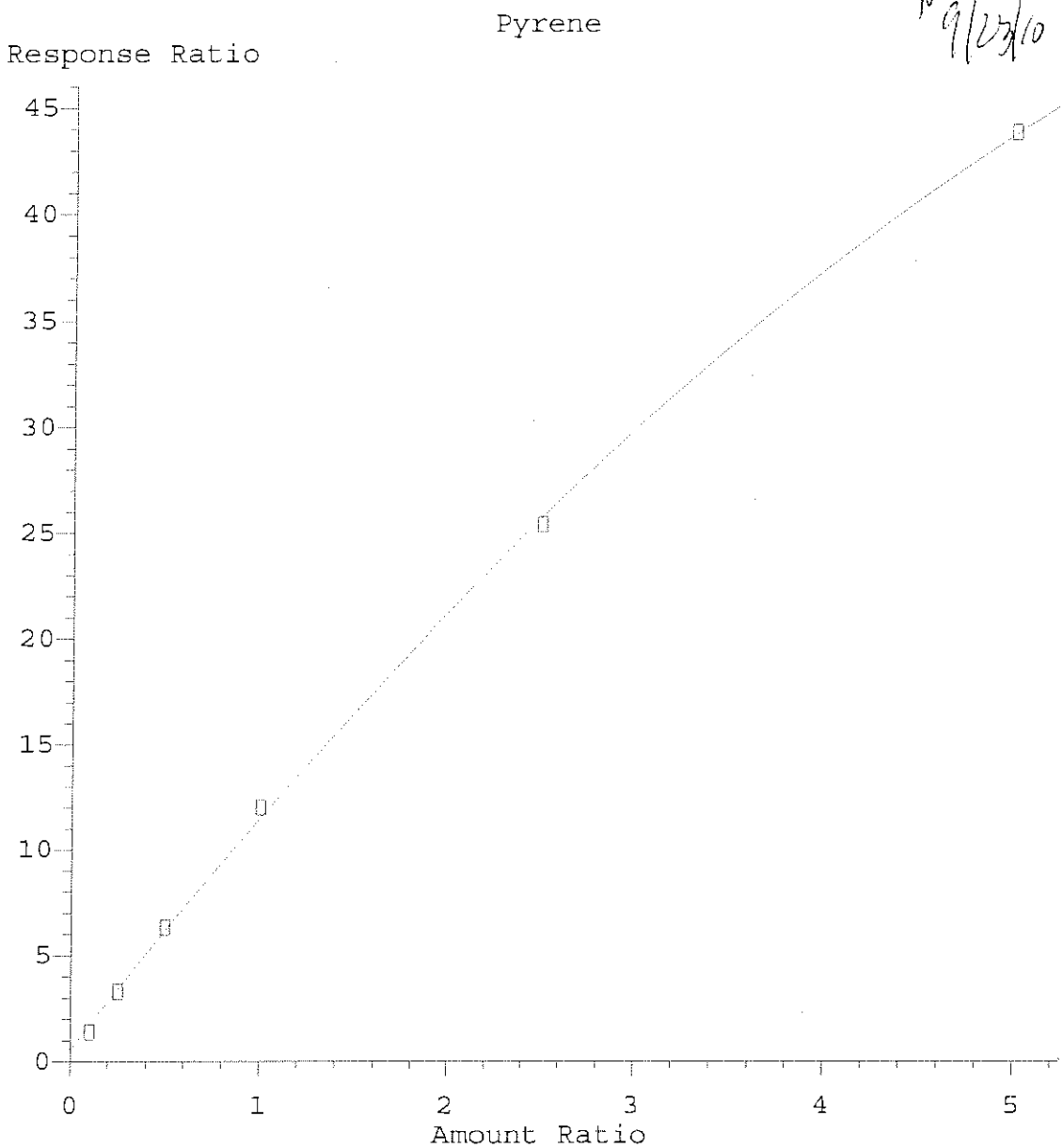
PN 9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:19 2010

JG23W

AN 9/23/10



R = -5.73e-001 A*A + 1.15e+001 A + 5.54e-001
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:27 2010

09-23-10

MS AROMATIC
2ND SOURCE
CHECK

Data File Name J35928.D
Sample Name S9716 ARO 20 ICV
Date Acquired 9/22/2010 3:45

MV 9/22/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.22	20	106%	OK
2-Methylnaphthalene	21.96	20	110%	OK
Acenaphthylene	21.04	20	105%	OK
Acenaphthene	21.66	20	108%	OK
Fluorene	21.32	20	107%	OK
Phenanthrene	21.23	20	106%	OK
Anthracene	21.72	20	109%	OK
o-terphenyl	18.42	20	92%	OK
Fluoranthene	21.85	20	109%	OK
Pyrene	20.90	20	104%	OK
Benzo[a]anthracene	18.71	20	94%	OK
Chrysene	19.70	20	99%	OK
Benzo[b] fluoranthene	18.55	20	93%	OK
Benzo[k] fluoranthene	18.92	20	95%	OK
Benzo[a] pyrene	19.32	20	97%	OK
Indeno [1,2,3-cd] pyrene	18.66	20	93%	OK
Dibenz [a,h] anthracene	18.67	20	93%	OK
Benzo(g,h,i) perylene	18.35	20	92%	OK

S923W

9/22/2010 4:03 AM

Response Factor Report Instrument J

Method Path : C:\msdchem\1\METHODS\
Method File : ARG092110.M
Title : EPH GC AROMATICS
Last Update : Wed Sep 22 04:48:18 2010
Response Via : Initial Calibration

9/23/10

Calibration Files

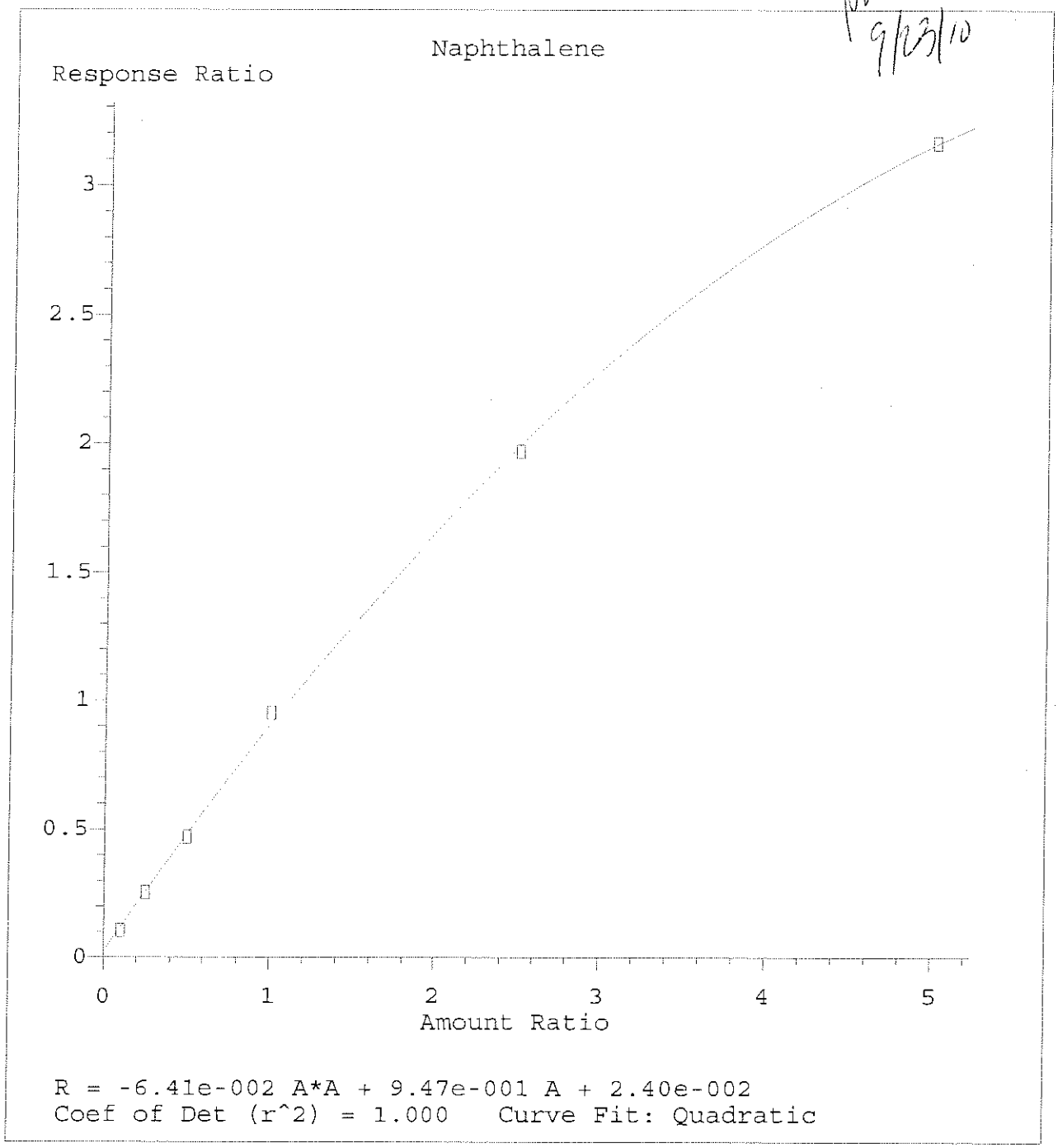
2	=J35922SI.D	5	=J35923SI.D	10	=J35924SI.D
20	=J35925SI.D	50	=J35926SI.D	100	=J35927SI.D

		Compound	2	5	10	20	50	100	Avg	%RSD
1)	I	5-alpha-Androstane	----------ISTD----------							
2)	TZ	Naphthalene	1.061	1.017	0.942	0.951	0.787	0.632	0.898	17.83
3)	TZ	2-Methylnapht...	1.120	1.022	0.966	0.966	0.787	0.635	0.916	19.13
4)	TZ	Acenaphthylene	1.108	1.090	0.996	0.993	0.828	0.674	0.948	17.62
5)	TZ	Acenaphthene	1.401	1.230	1.093	1.065	0.870	0.699	1.060	23.59
6)	TZ	Fluorene	1.296	1.201	1.077	1.089	0.904	0.727	1.049	19.56
7)	TZ	Phenanthrene	1.258	1.241	1.141	1.127	0.916	0.729	1.069	19.30
8)	TZ	Anthracene	1.281	1.221	1.067	1.075	0.851	0.690	1.031	21.70
9)	S	2-Fluorobiphenyl	1.143	1.098	1.017	1.049	0.882	0.727	0.986	15.72
10)	S	2-Bromonaphth...	0.742	0.843	0.800	0.817	0.731	0.608	0.757	11.18
11)	S	o-terphenyl	1.634	1.537	1.366	1.322	1.158	0.946	1.327	18.87
12)	TZ	Fluoranthene	1.500	1.335	1.257	1.217	0.966	0.817	1.182	21.11
13)	TZ	Pyrene	1.428	1.342	1.277	1.250	1.022	0.847	1.194	18.22
14)	TZ	Benzo[a]anthr...	1.170	1.137	1.085	1.079	0.942	0.813	1.038	12.99
15)	TZ	Chrysene	1.250	1.231	1.149	1.119	0.939	0.777	1.078	17.10
16)	TZ	Benzo[b] fluo...	1.143	1.034	0.965	0.969	0.868	0.790	0.961	12.87
17)	TZ	Benzo[k] fluo...	1.132	1.064	1.010	0.968	0.861	0.716	0.959	15.65
18)	TZ	Benzo[a] pyrene	0.964	0.952	0.975	0.969	0.839	0.754	0.909	10.08
19)	TZ	Indeno [1,2,3...	0.794	0.768	0.746	0.768	0.732	0.779	0.765	2.96
20)	TZ	Dibenz [a,h] ...	1.076	0.985	0.920	0.866	0.753	0.495	0.849	24.12
21)	TZ	Benzo(g,h,i)...	0.951	0.959	0.889	0.872	0.804	0.670	0.857	12.58
22)	XH	c11-c22	1.173	1.107	1.033	1.020	0.863	0.720	0.986	✓16.89

(#) = Out of Range

J92310

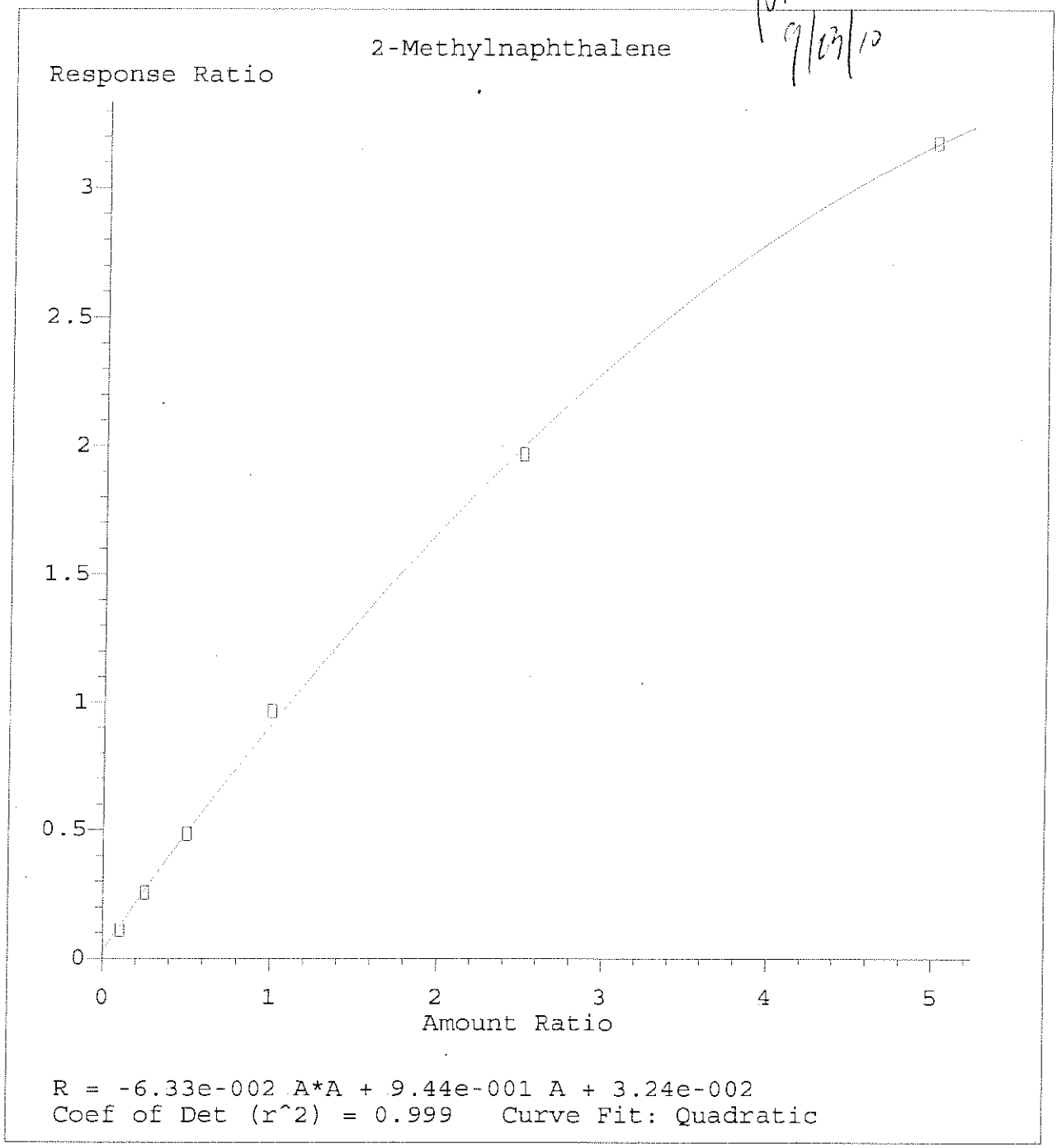
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:40:33 2010

J923W

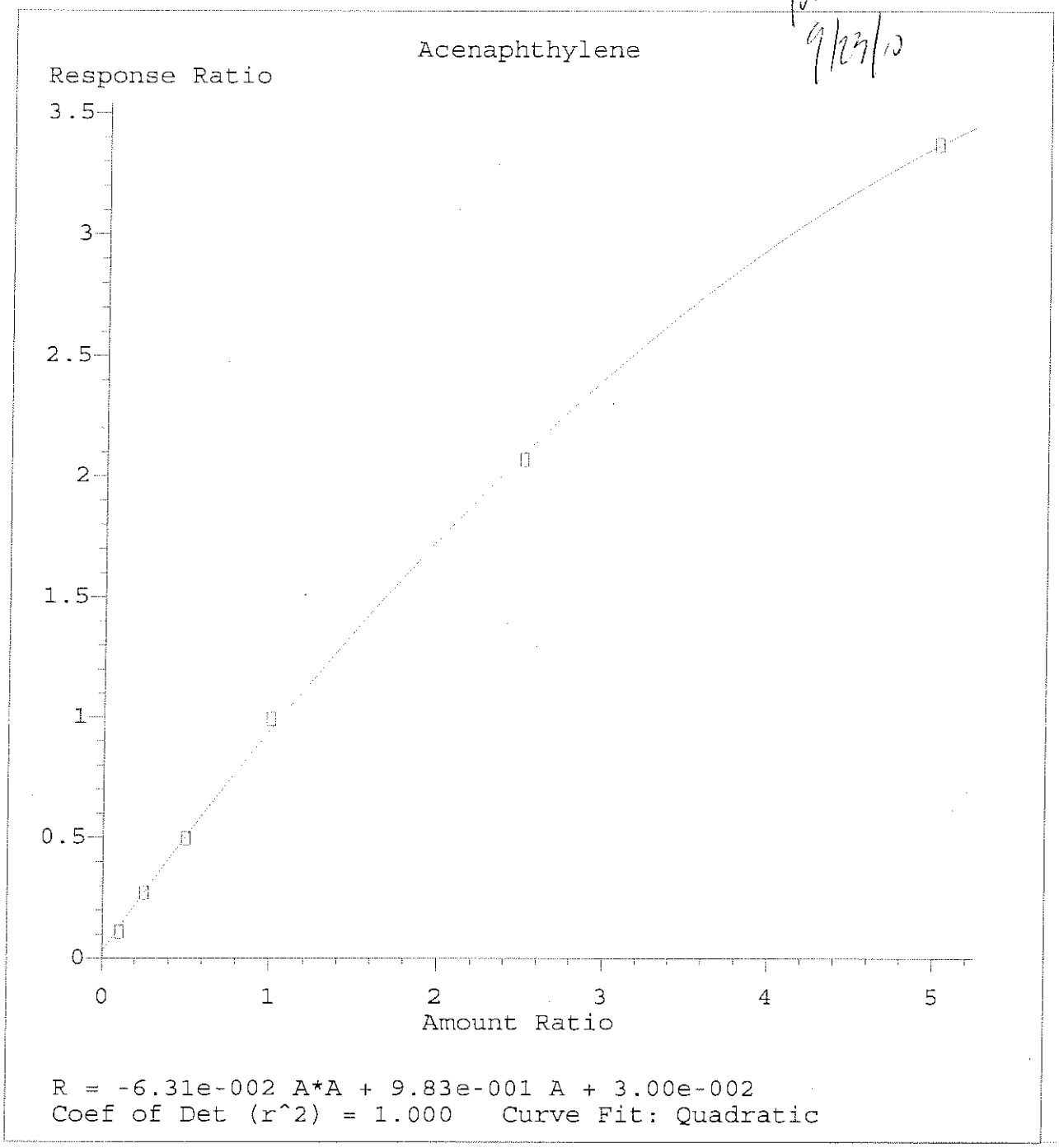
9/23/10



092310

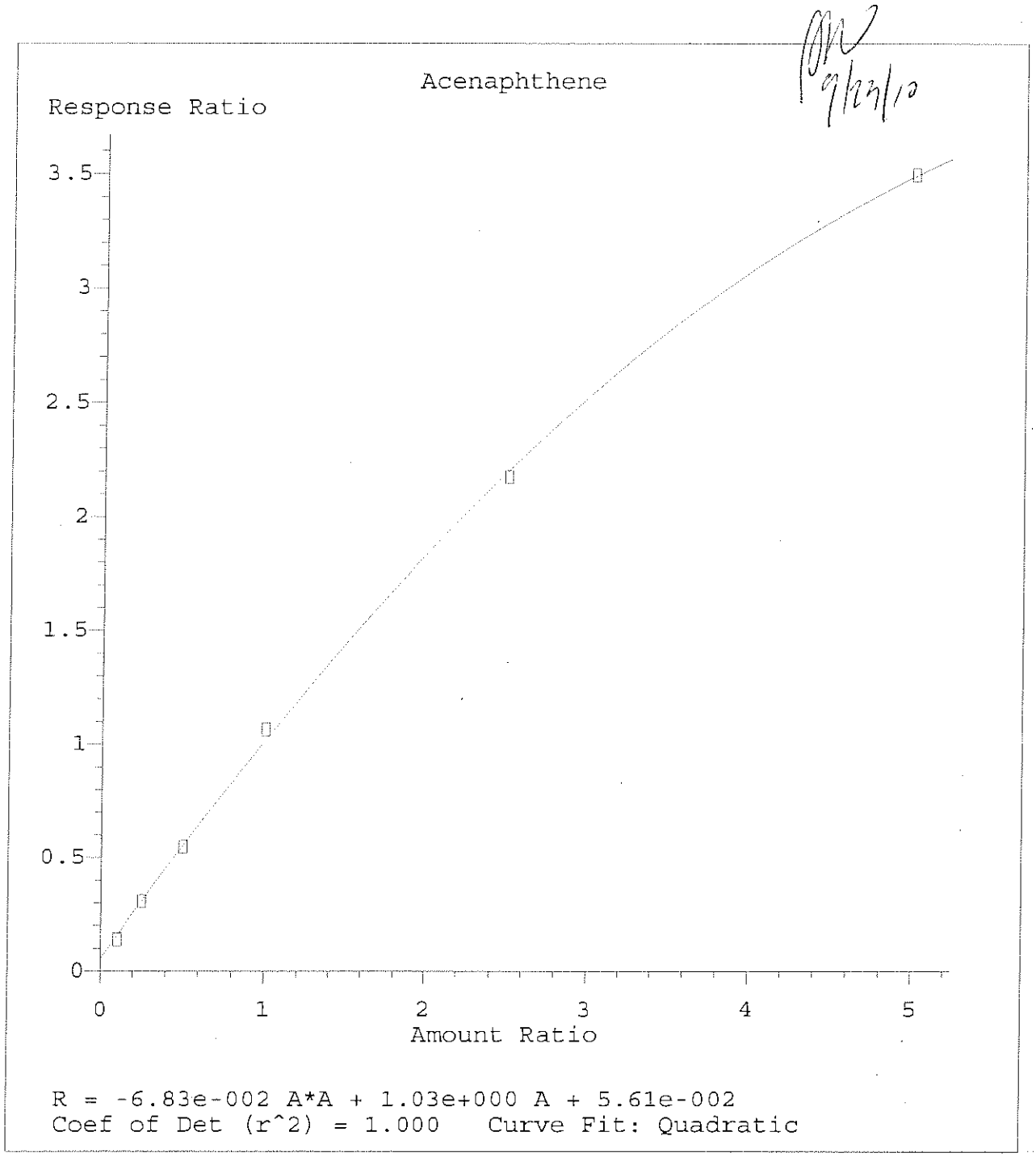
Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:01 2010

9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:07 2010

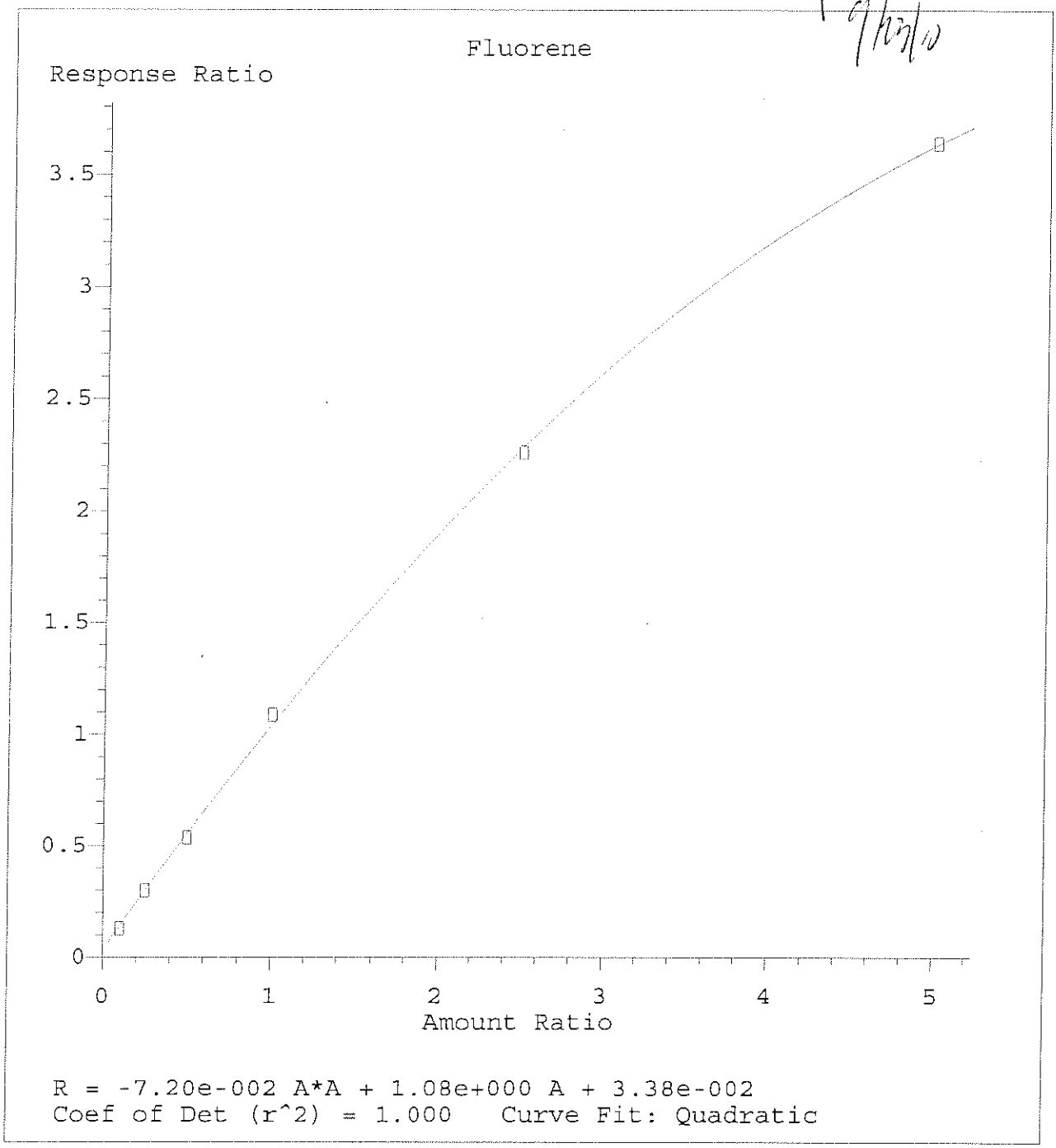
092310



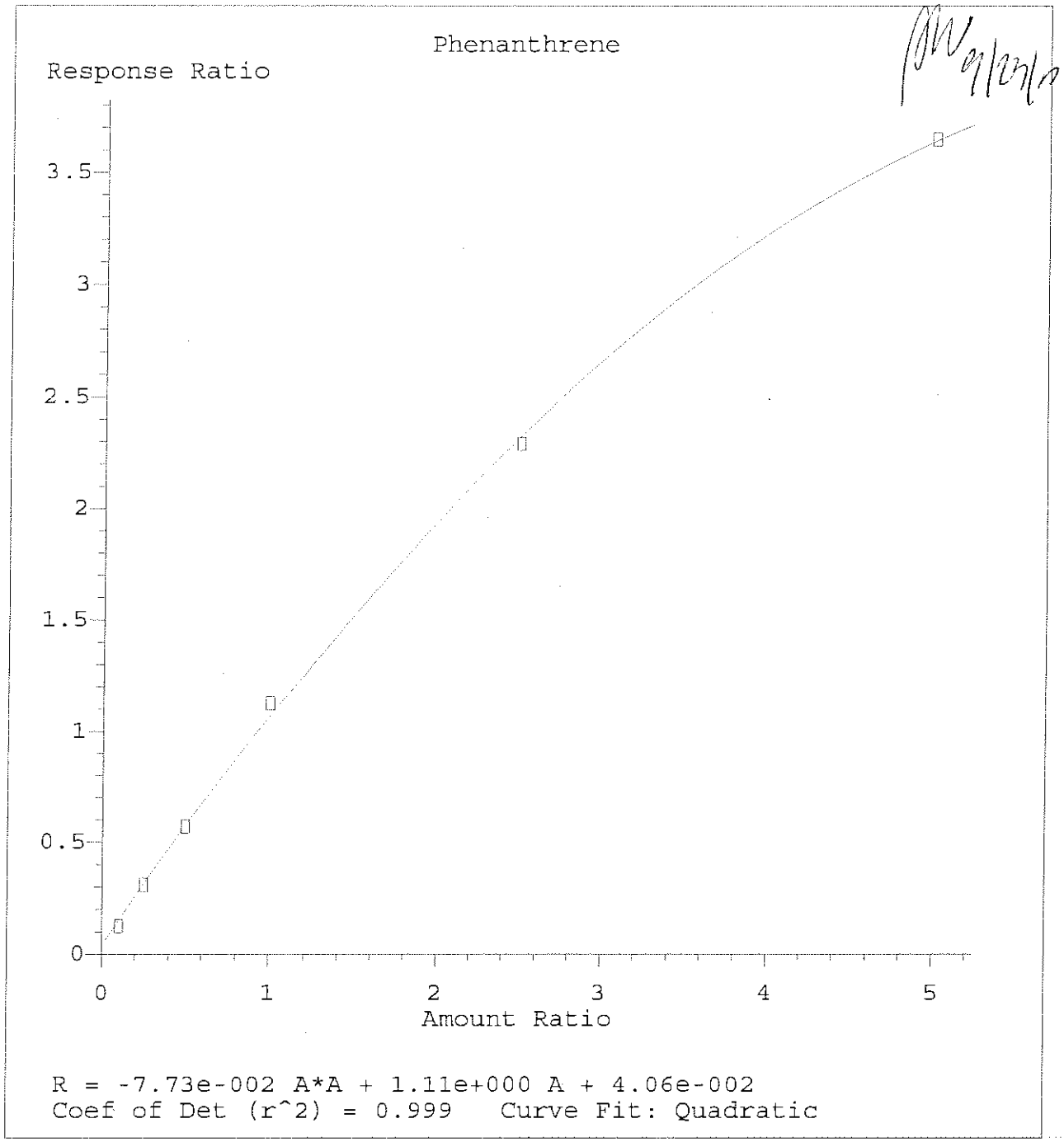
9/23/10

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:12 2010

392310

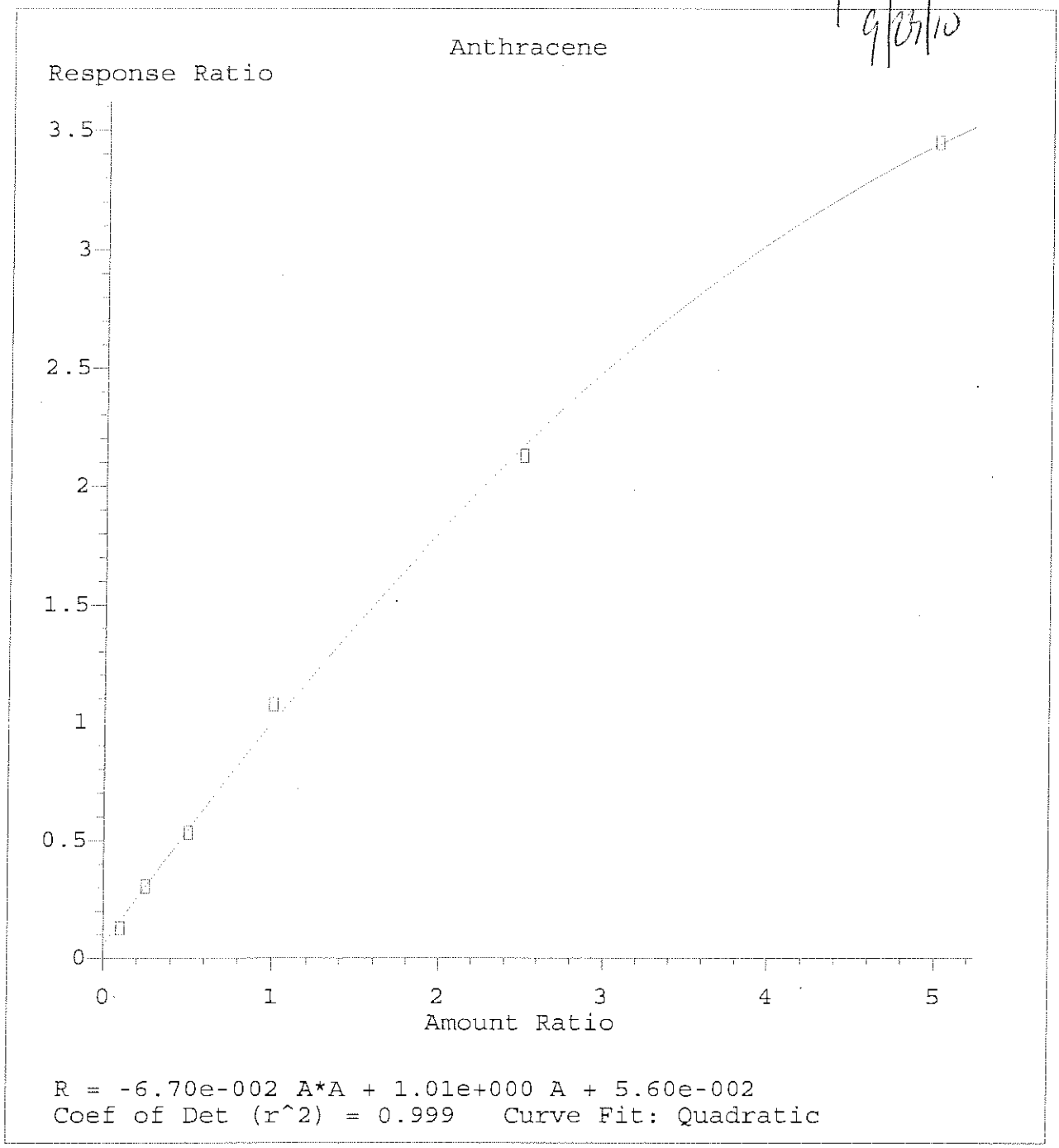


Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:19 2010



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:05 2010 092310

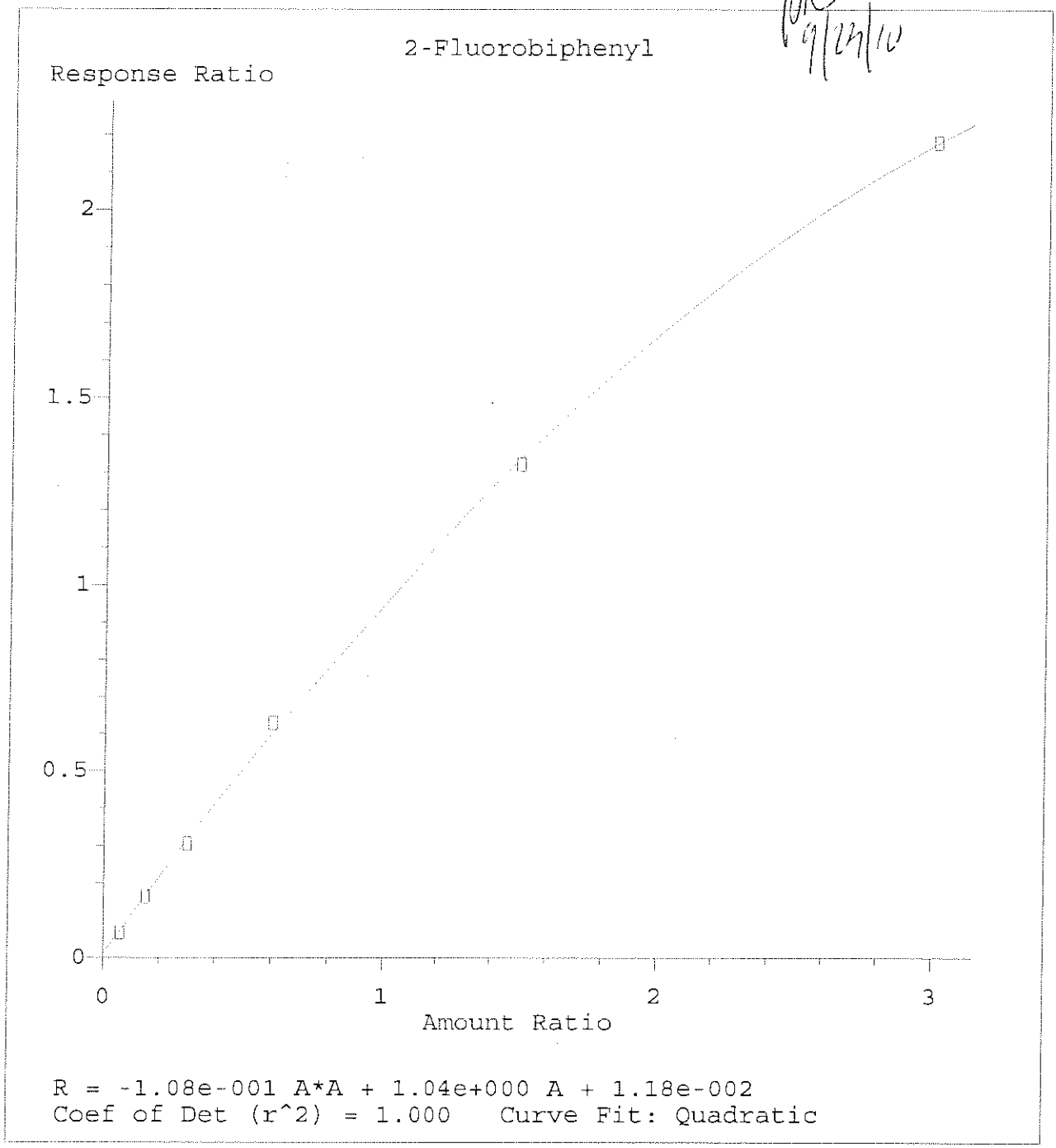
MC 9/23/10



092310

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:11 2010

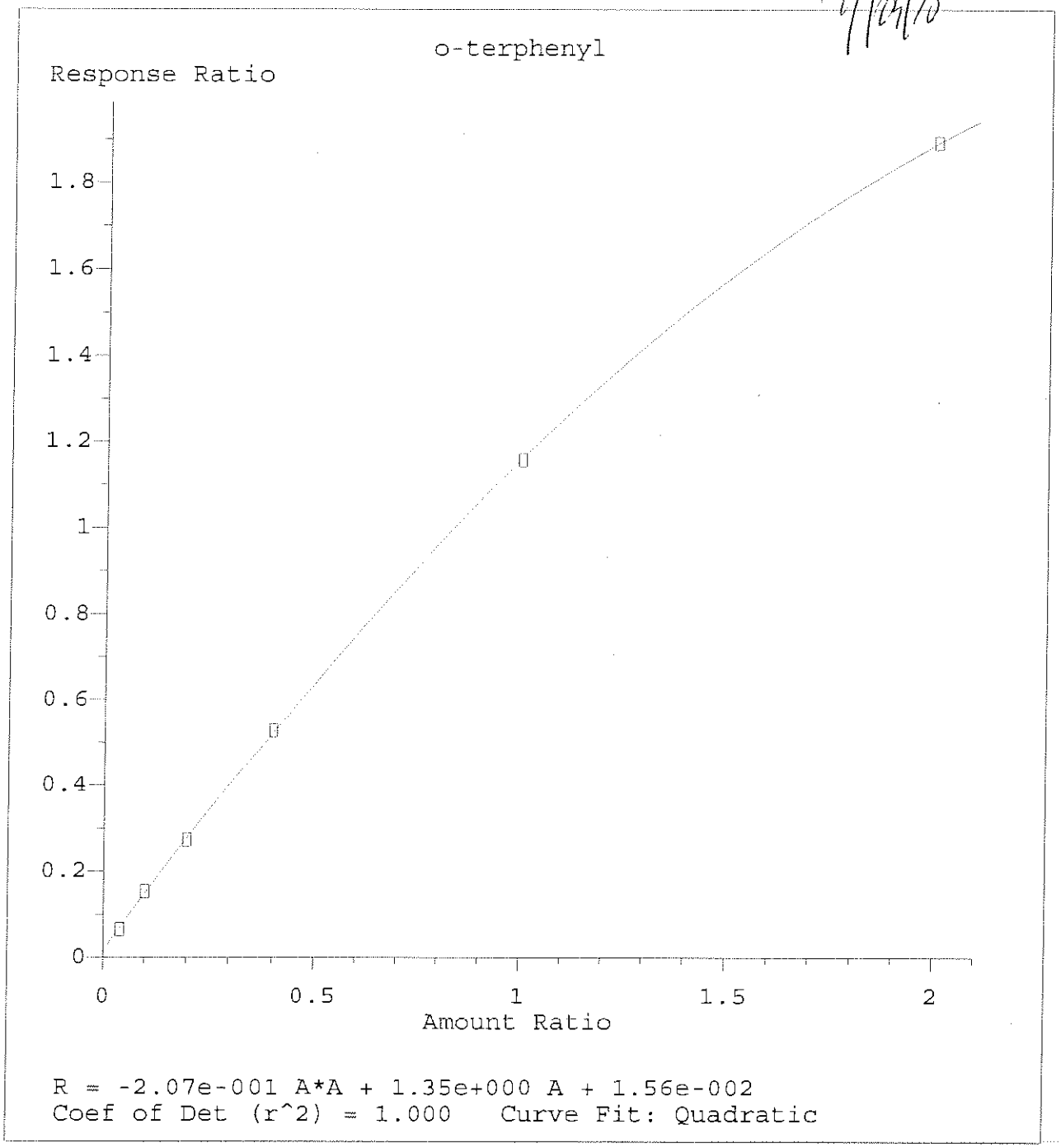
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:16 2010

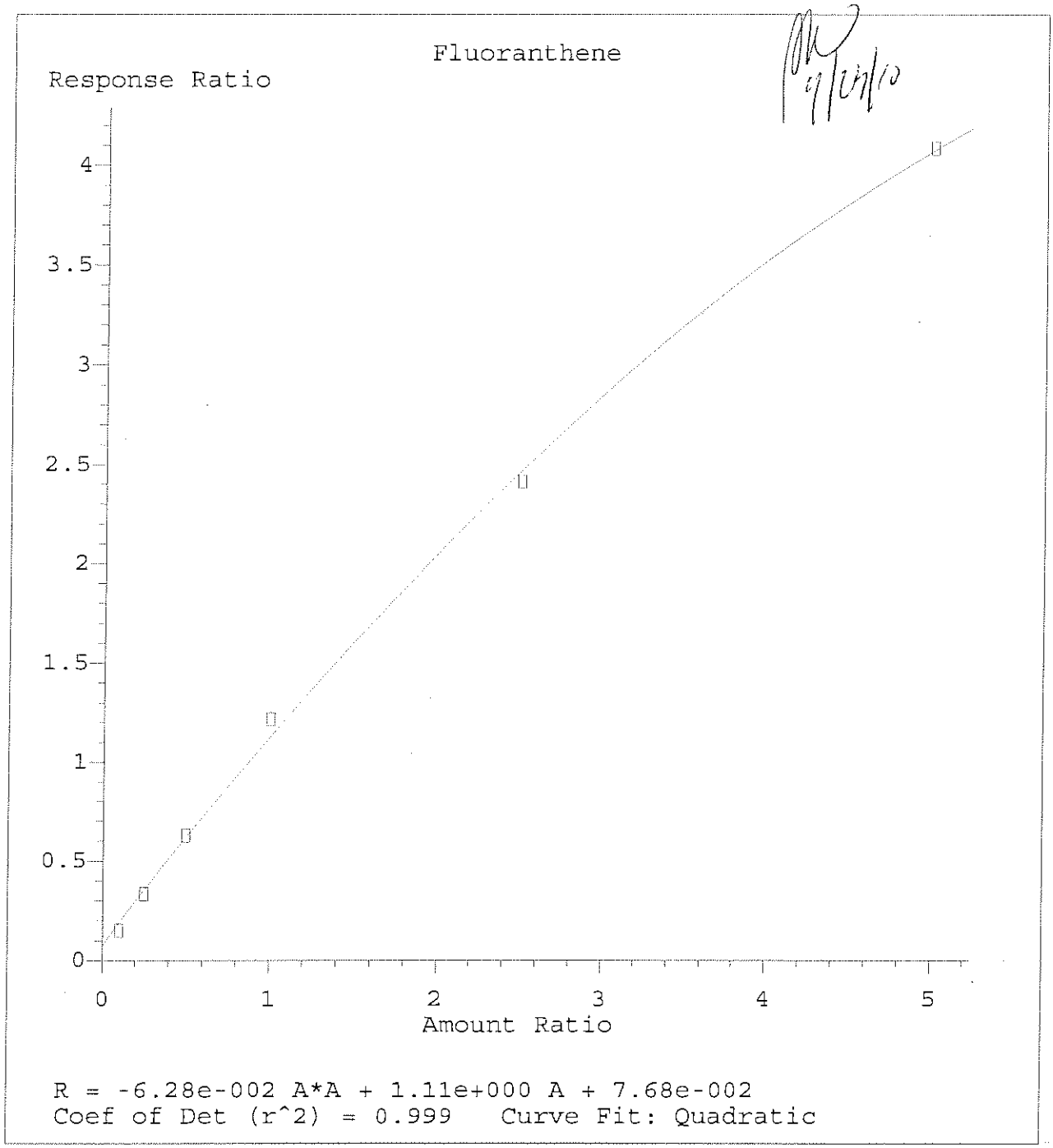
J 9/23/10

OK 9/23/10



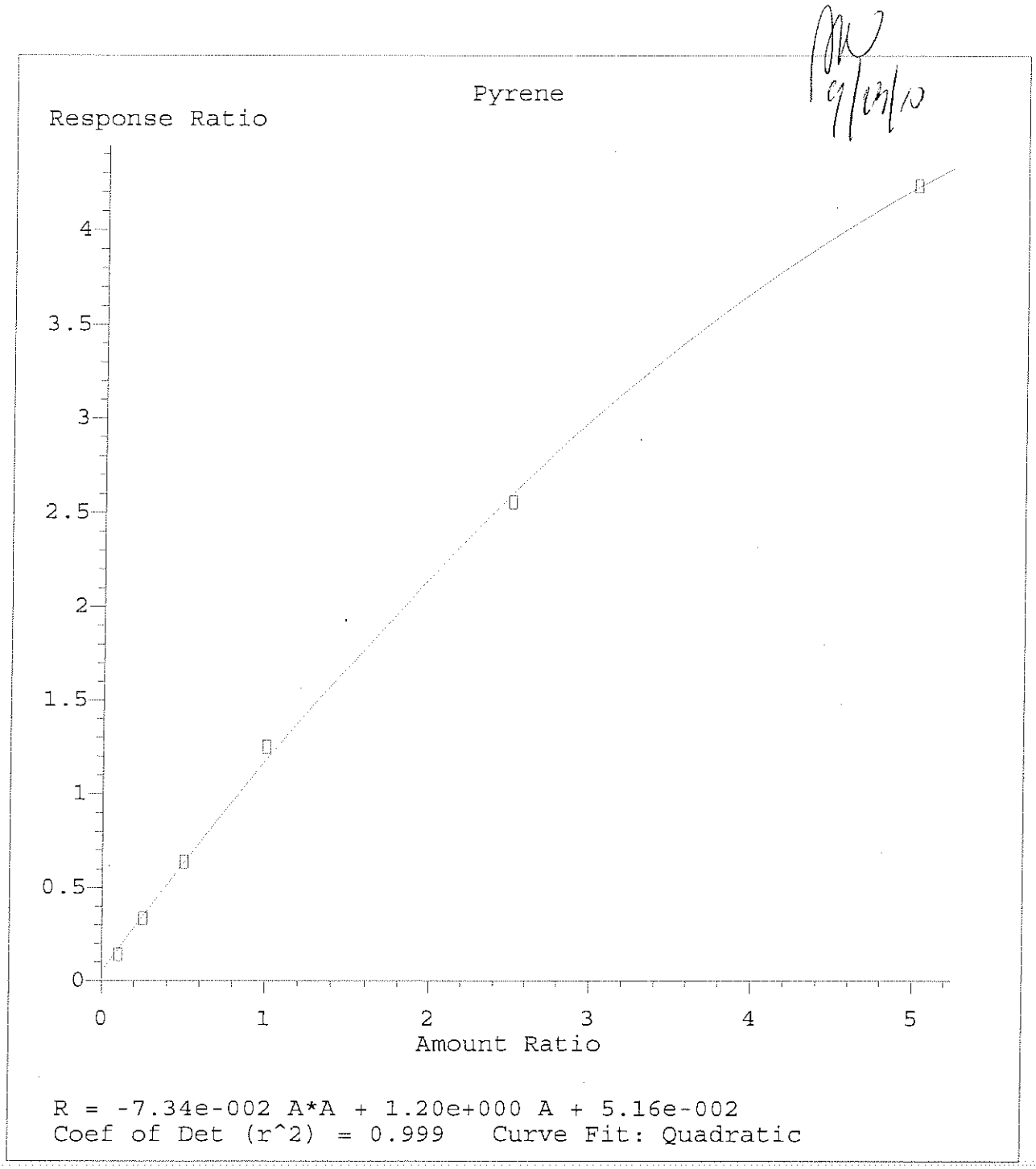
Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:21 2010

JG 23W

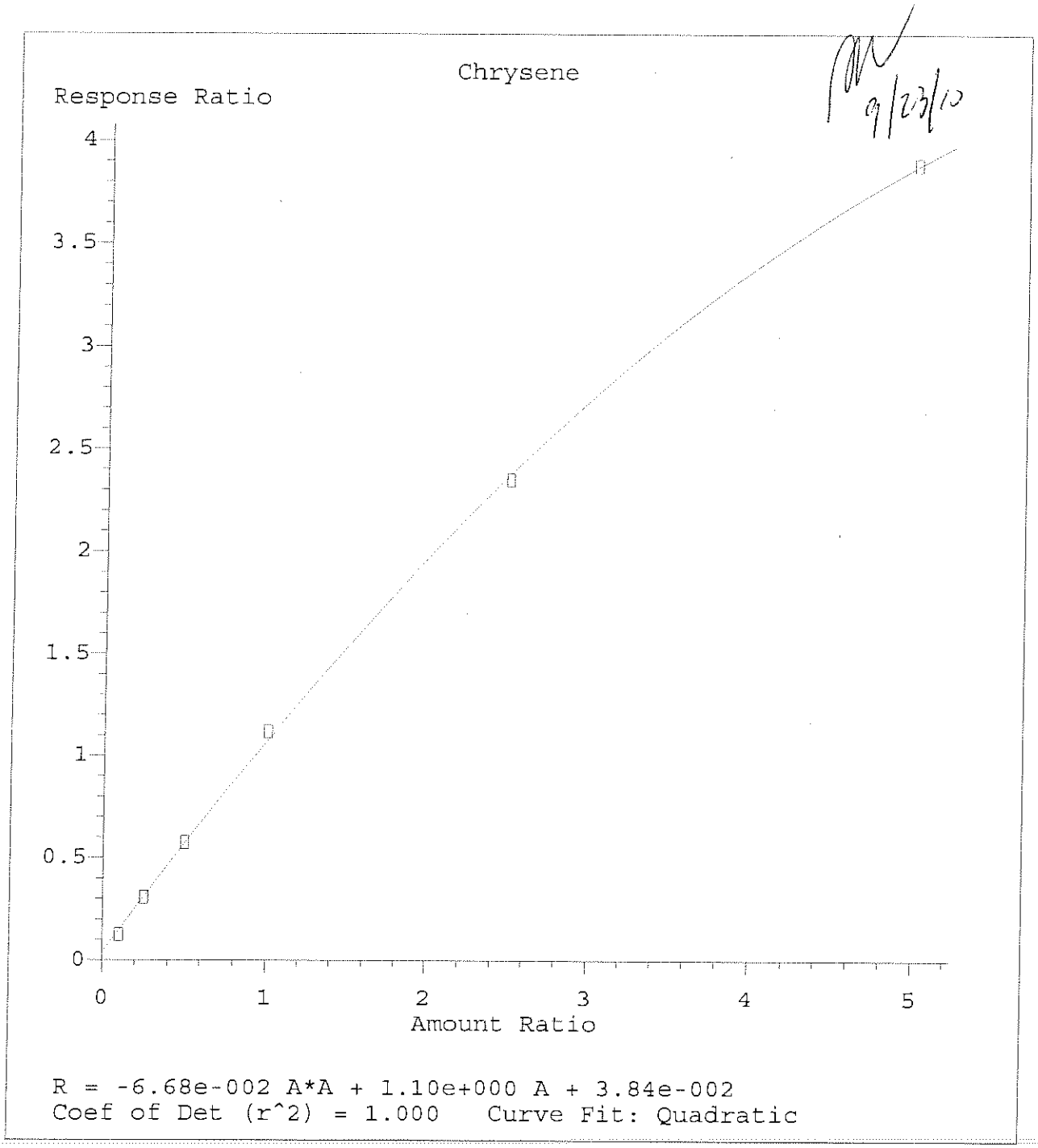


Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:28 2010

092310



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:32 2010

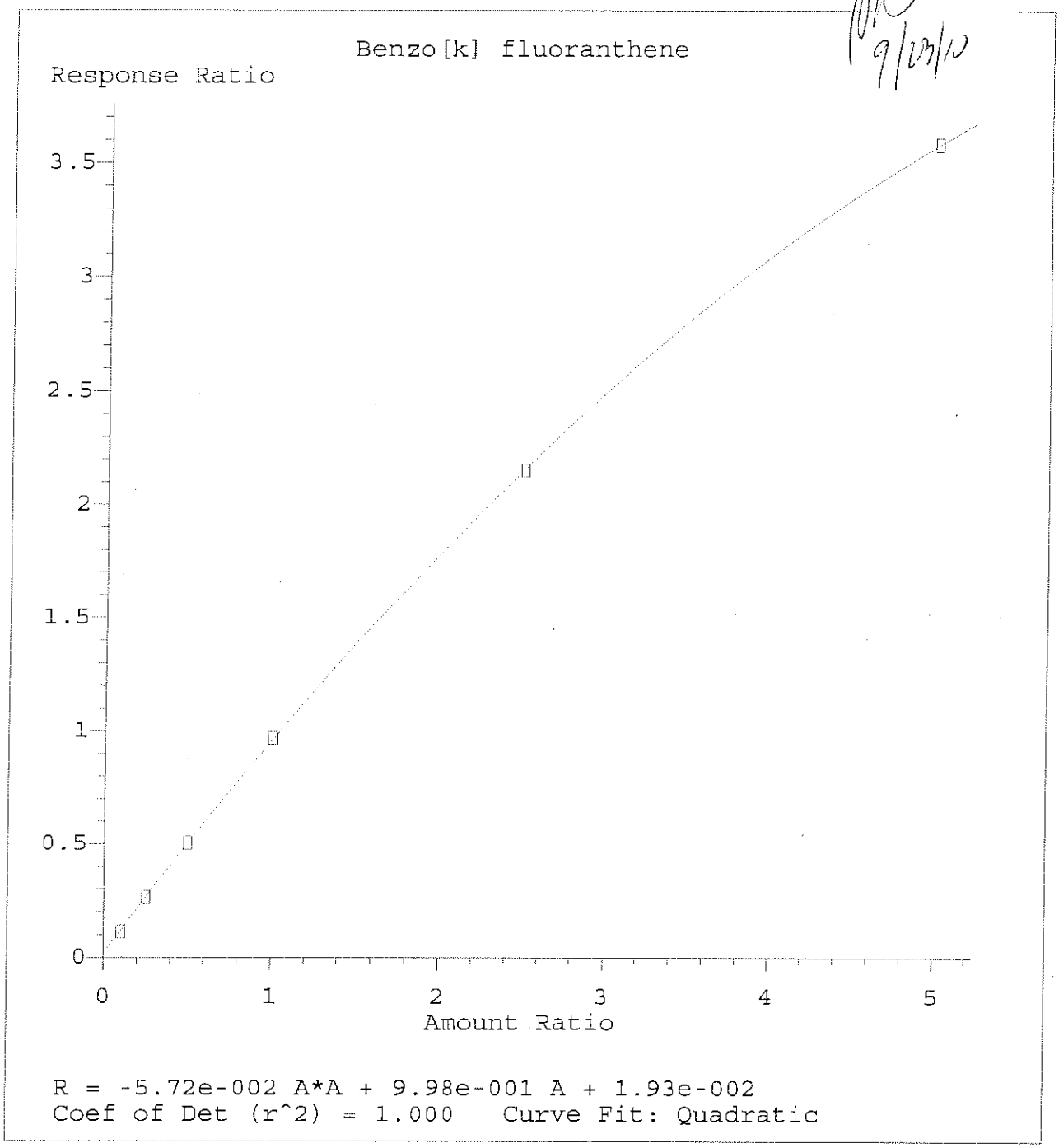


9/23/10

S923W

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:37 2010

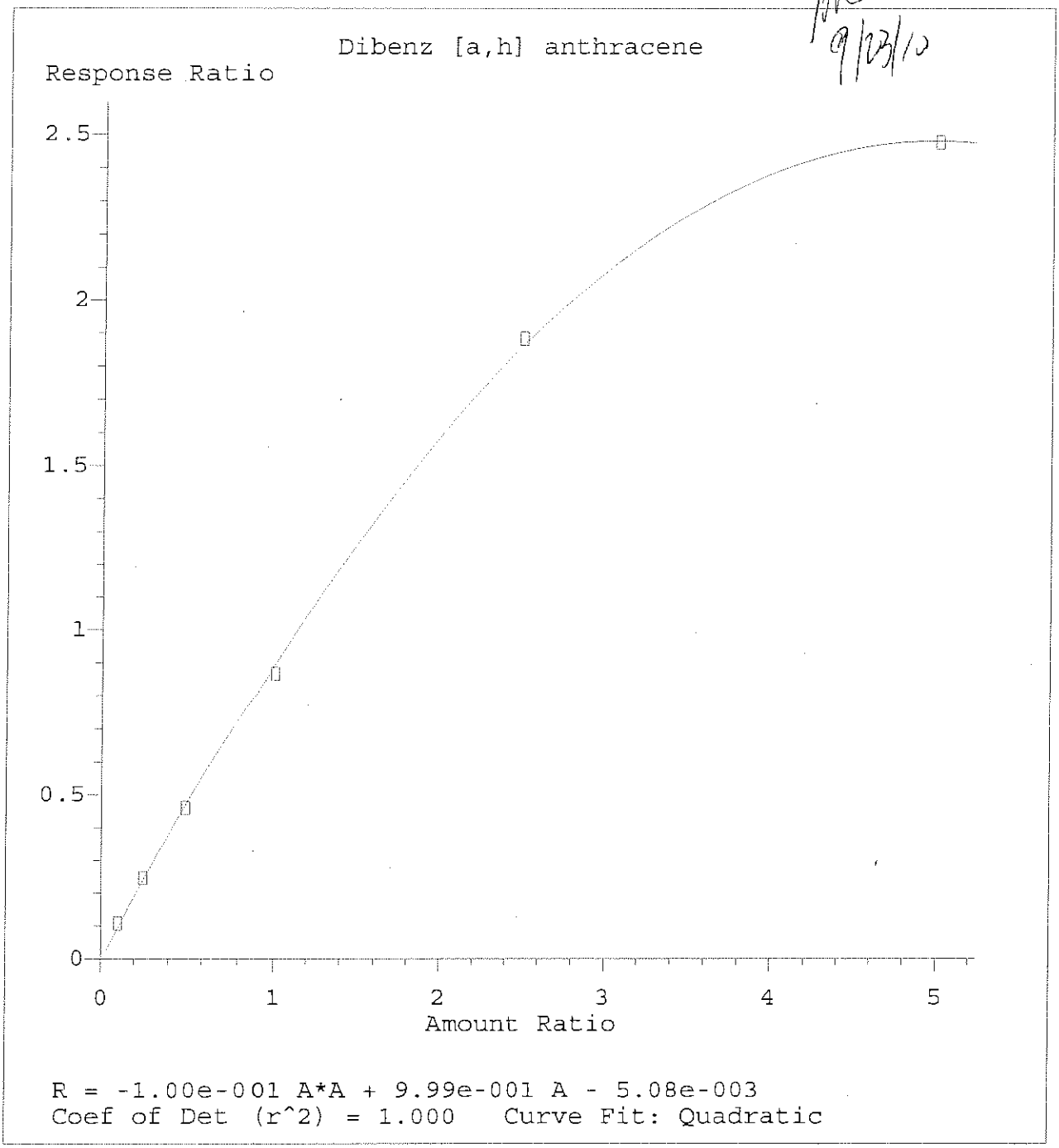
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:46 2010

J92310

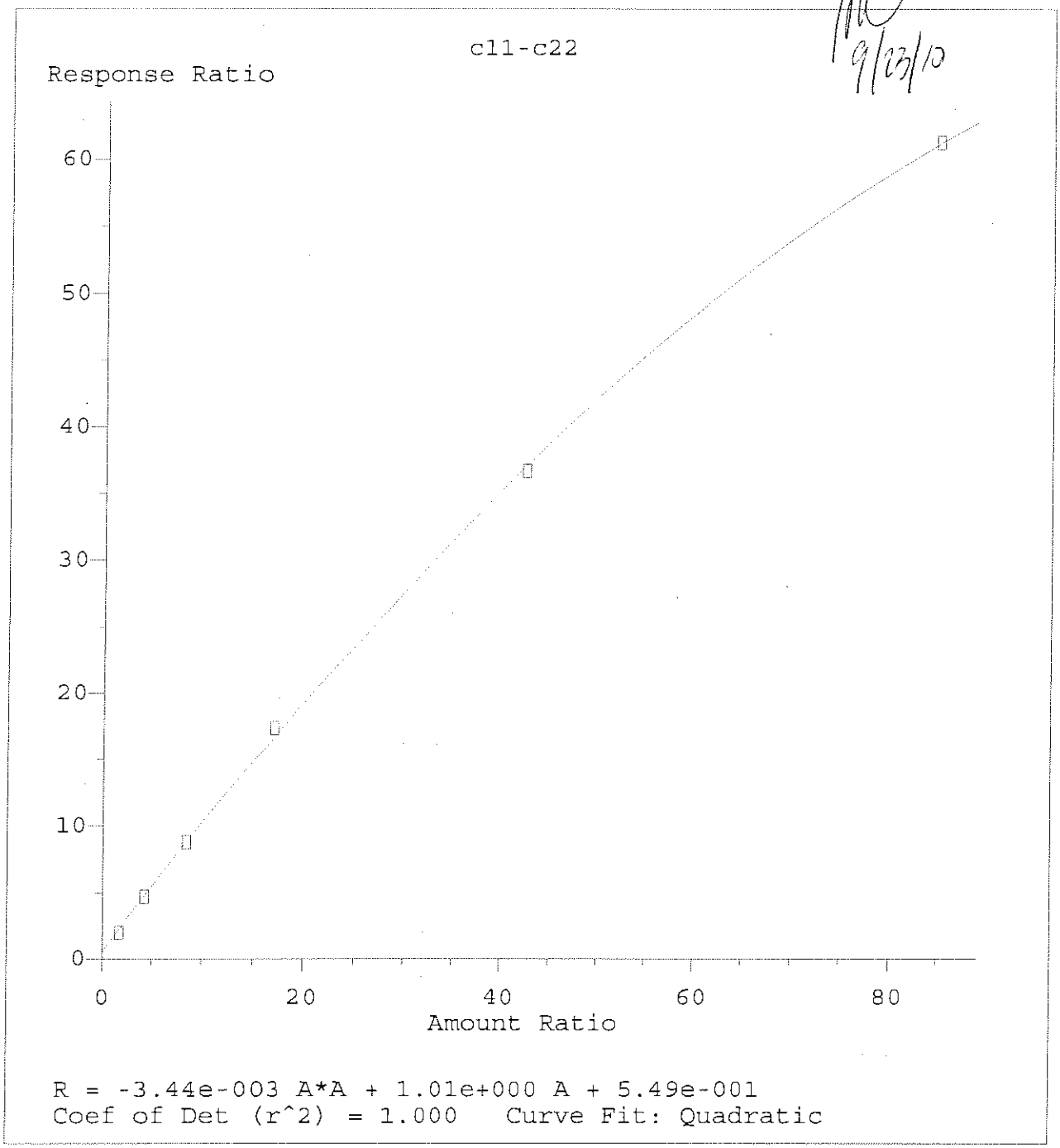
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:54 2010

59230

MC 9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:44:05 2010

592300

MV 9/23/10

GC AROMATIC
2ND SOURCE
CHECK

Data File Name J35928.D
Sample Name S9716 ARO 20 ICV
Date Acquired 9/22/2010 3:45

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.46	20	107%	OK	21.46		
2-Methylnaphthalene	21.56	20	108%	OK	21.56		
Acenaphthylene	21.17	20	106%	OK	21.17		
Acenaphthene	21.39	20	107%	OK	21.39		
Fluorene	20.86	20	104%	OK	20.86		
Phenanthrene	21.30	20	106%	OK	21.30		
Anthracene	21.91	20	110%	OK	21.91		
Fluoranthene	21.69	20	108%	OK	21.69		
Pyrene	20.58	20	103%	OK	20.58		
Benzo[a]anthracene	19.20	20	96%	OK	19.20		
Chrysene	20.15	20	101%	OK	20.15		
Benzo[b] fluoranthene	18.40	20	92%	OK	18.40		
Benzo[k] fluoranthene	19.22	20	96%	OK	19.22		
Benzo[a] pyrene	20.16	20	101%	OK	20.16		
Indeno [1,2,3-cd] pyrene	18.29	20	91%	OK	18.29		
Dibenz [a,h] anthracene	18.00	20	90%	OK	18.00		
Benzo(g,h,i) perylene	18.60	20	93%	OK	18.60		
c11-c22		340			**343.92**	101%	OK
o-terphenyl	20.23	20	101%	OK			

J92310

9/22/2010 4:49 AM

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67833
Standard ID: S10042 ALI 40
Data File ID: D71746SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	41.2	3.0	
C-10	40.7	1.8	
C-12	40.3	0.7	
C-14	38.0	4.9	
C-16	36.9	7.8	
C-18	39.0	2.6	
C-19	37.0	7.6	
C-20	38.4	4.1	
1-Chlorooctadecane	15.8	1.3	
C-22	37.6	6.1	
C-24	38.0	5.1	
C-26	38.1	4.8	
C-28	38.5	3.7	
C-30	39.4	1.5	
C-36	39.6	0.9	

C9-C18 Aliphatics	236.1	1.6	
C19-C36 Aliphatics	306.5	4.2	

Maximum Allowed % Difference (except C-9)
25

Maximum Allowed % Difference C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67833
Standard ID: S10042 ALI 40
Data File ID: D71763SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	41.3	3.2	
C-10	40.8	1.9	
C-12	38.6	3.4	
C-14	36.2	9.6	
C-16	39.1	2.1	
C-18	39.1	2.2	
C-19	37.6	6.0	
C-20	38.5	3.8	
1-Chlorooctadecane	15.6	2.8	
C-22	39.0	2.6	
C-24	38.1	4.7	
C-26	38.0	5.0	
C-28	38.1	4.8	
C-30	40.1	0.3	
C-36	39.4	1.5	

C9-C18 Aliphatics	235.1	2.0	
C19-C36 Aliphatics	308.7	3.5	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67833
Standard ID: S10042 ALI 40
Data File ID: D71766SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.5	1.3	
C-10	40.4	1.1	
C-12	39.5	1.2	
C-14	36.9	7.8	
C-16	38.8	2.9	
C-18	37.1	7.1	
C-19	36.8	8.0	
C-20	38.7	3.2	
1-Chlorooctadecane	16.4	2.2	
C-22	37.4	6.6	
C-24	36.9	7.8	
C-26	38.7	3.2	
C-28	38.1	4.8	
C-30	39.0	2.5	
C-36	39.6	1.0	

C9-C18 Aliphatics	233.3	2.8	
C19-C36 Aliphatics	305.2	4.6	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67833
Standard ID: S10042 ALI 40
Data File ID: D71781SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	36.9	7.8	
C-10	37.9	5.3	
C-12	35.2	11.9	
C-14	37.3	6.8	
C-16	36.8	7.9	
C-18	37.2	7.1	
C-19	36.7	8.3	
C-20	37.5	6.1	
1-Chlorooctadecane	15.9	0.5	
C-22	37.1	7.2	
C-24	37.1	7.2	
C-26	36.8	8.0	
C-28	38.1	4.7	
C-30	40.5	1.3	
C-36	43.1	7.7	

C9-C18 Aliphatics	221.3	7.8	
C19-C36 Aliphatics	306.9	4.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG: 67833
Standard ID: S10041 ARO 20
Data File ID: J35931SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.3	6.3	
2-Methylnaphthalene	21.8	9.2	
Acenaphthylene	21.4	7.2	
Acenaphthene	21.3	6.3	
Fluorene	21.6	8.0	
Phenanthrene	21.4	7.2	
Anthracene	21.6	8.0	
2-Fluorobiphenyl	12.7	6.0	
2-Bromonaphthalene	12.7	5.9	
o-terphenyl	8.5	6.2	
Fluoranthene	21.7	8.6	
Pyrene	21.2	6.2	
Benzo[a]anthracene	20.7	3.6	
Chrysene	20.5	2.5	
Benzo[b] fluoranthene	20.7	3.4	
Benzo[k] fluoranthene	20.8	4.2	
Benzo[a] pyrene	20.9	4.5	
Indeno [1,2,3-cd] pyrene	20.8	3.9	
Dibenz [a,h] anthracene	21.0	4.9	
Benzo(g,h,i) perylene	20.6	2.9	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG: 67833
Standard ID: S10041 ARO 20
Data File ID: J35959SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.7	3.5	
2-Methylnaphthalene	21.3	6.7	
Acenaphthylene	21.2	6.0	
Acenaphthene	20.9	4.5	
Fluorene	21.8	8.8	
Phenanthrene	21.1	5.5	
Anthracene	21.8	8.8	
2-Fluorobiphenyl	12.6	5.2	
2-Bromonaphthalene	12.6	5.2	
o-terphenyl	8.3	4.4	
Fluoranthene	21.5	7.6	
Pyrene	21.6	7.8	
Benzo[a]anthracene	21.3	6.3	
Chrysene	20.9	4.4	
Benzo[b] fluoranthene	21.0	5.0	
Benzo[k] fluoranthene	21.2	6.1	
Benzo[a] pyrene	21.1	5.4	
Indeno [1,2,3-cd] pyrene	20.4	2.1	
Dibenz [a,h] anthracene	20.7	3.3	
Benzo(g,h,i) perylene	20.5	2.7	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ARO FORM 7

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67833
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	6995120		11.02	
Upper Limit	13990240		11.08	
Lower limit	3497560		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9700 ALI 5	6392680		11.02	
S9701 ALI 10	6336220		11.02	
S9702 ALI 20	7097680		11.02	
S9704 ALI 50	6719900		11.02	
S9705 ALI 100	6944560		11.02	
S9715 ALI 20 ICV	6985250		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67833

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	5617970		10.78	
Upper Limit	11235940		10.84	
Lower limit	2808985		10.72	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	5637570		10.78	
B092010EASE	5234790		10.78	
L092010EASE	4983560		10.78	
LD092010EASE	5391400		10.78	
67833-1	4863300		10.78	
67833-2	5254010		10.78	
67833-3	5226780		10.78	
67833-4	5405370		10.78	
67833-5	5344420		10.78	
67833-6	5025960		10.78	
67833-6,MS	5078000		10.78	
67833-6,MSD	5484110		10.78	
67833-7	5703010		10.78	
67833-8	5190100		10.78	
67833-9	5493420		10.78	
67833-10	5503410		10.78	
S10042 ALI 40	5815340		10.78	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67833

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6035930		10.78	
Upper Limit	12071860		10.84	
Lower limit	3017965		10.72	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	6116530		10.78	
B092010EASE,,RR	5411970		10.78	
67833-11	5702740		10.78	
67833-12	5442590		10.79	
67833-13	5452840		10.78	
67833-14	6056770		10.78	
67833-15	5718350		10.78	
67833-16	5815370		10.78	
S10042 ALI 40	6555090		10.78	
S10042 ALI 40	6791190		10.78	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J SDG: 67833
GC Column: ZB-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	102381		7.96	
Upper Limit	204762		8.02	
Lower limit	51191		7.90	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	102821		7.97	
S9707 ARO 5	106433		7.97	
S9708 ARO 10	108670		7.96	
S9710 ARO 50	108242		7.97	
S9711 ARO 100	96457		7.97	
S9716 ARO 20 ICV	105542		7.97	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J SDG: 67833
GC Column: ZB-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	112887		7.96	
Upper Limit	225774		8.02	
Lower limit	56444		7.90	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	96735		7.97	
B092010EASE	85297		7.96	
L092010EASE	87921		7.96	
LD092010EASE	101781		7.96	
L092010EASE	99837		7.96	
LD092010EASE	99129		7.96	
67833-1	96624		7.96	
67833-2	103754		7.96	
67833-3	90552		7.96	
67833-4	99199		7.96	
67833-5	95009		7.96	
67833-6	92440		7.96	
67833-6,MS	93214		7.96	
67833-6,MSD	93716		7.96	
67833-7	99666		7.96	
67833-8	98190		7.96	
67833-9	88512		7.96	
67833-10	95096		7.97	
67833-11	84124		7.96	
67833-12	91068		7.97	
67833-13	87987		7.97	
67833-14	102289		7.97	
67833-15	91355		7.97	
67833-16	91717		7.967	
S10041 ARO 20	100074		7.962	
S10041 ARO 20	98679		7.962	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EXTRACTION
LOGBOOK PAGES

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 09/21/10

Initials: EB

EXTRACT TRANSFER SHEET

Extractable Petroleum

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
67807-1	EPHASE	09/20/10	Solid		15.38	2.0	65.54	
67807-2	EPHASE	09/20/10	Solid		15.72	2.0	77.98	
67807-3	EPHASE	09/20/10	Solid		15.15	2.0	55.59	
67833-1	EPHASE	09/20/10	Solid		15.54	2.0		
67833-2	EPHASE	09/20/10	Solid		15.66	2.0		
67833-3	EPHASE	09/20/10	Solid		15.23	2.0		
67833-4	EPHASE	09/20/10	Solid		15.72	2.0		
67833-5	EPHASE	09/20/10	Solid		15.20	2.0		
67833-6	EPHASE	09/20/10	Solid		15.51	2.0		
67833-7	EPHASE	09/20/10	Solid		15.02	2.0		
67833-8	EPHASE	09/20/10	Solid		15.20	2.0		
67833-9	EPHASE	09/20/10	Solid		15.23	2.0		
67833-10	EPHASE	09/20/10	Solid		15.21	2.0		
67833-11	EPHASE	09/20/10	Solid		15.36	2.0		
67833-12	EPHASE	09/20/10	Solid		15.17	2.0		
67833-13	EPHASE	09/20/10	Solid		15.20	2.0		
67833-14	EPHASE	09/20/10	Solid		15.71	2.0		
67833-15	EPHASE	09/20/10	Solid		15.47	2.0		
67833-16	EPHASE	09/20/10	Solid		15.31	2.0		
67834-1	EPHASE	09/20/10	Solid		15.73	2.0		
67834-2	EPHASE	09/20/10	Solid		15.10	2.0		
67834-3	EPHASE	09/20/10	Solid		15.59	2.0		
67834-4	EPHASE	09/20/10	Solid		15.57	2.0		

SC 9/21/10

EB 9.21.10

Extractable Petroleum Hydrocarbons Solid Preparation Logbook

Circle Method Reference: SW-846 3550B Sonication
SW-846 3545 Accelerated Solvent Extraction (ASE)
MADEP -98-EPH

Date: 9.20.10 Time: 725 pm
Initials: JC

QC Batch ID: QP-092010-1-SC
Prep. Batch ID: PP-092010-2-SC

Sample #	Matrix	Weight (g)	1 mL Surrogate	2 mL Spike	Cook Down Date	Turbo Vap# (10mL)	3 mL Frac. Sur	F.V Before Frac.in C6	Volumetric Serial #	Ali. Vol. C6	Volumetric Serial #	Aro. Vol. MeCl2	Volumetric Serial #	Fractiontion Date	Turbo Vap # Ali (1mL)	Turbo Vap # Aro
B092010ease	Na_2SO_4	15.00	1.0	—	9.21.10	4	1.0 EB	10mL	4003	1ml	1680	1ml	1710	9.21.10 JC	4	1
L092010ease	Sisand	15.91	1.0	1.0	EB		1.0									
LD092010ease	↓	15.60	1.0	1.0			1.0									
67833-1	wetsand/rock	15.54	1.0	—			1.0									
-2	sand/rocks	15.66	1.0	—			1.0									
-3	soil	15.23	1.0	—			1.0									2
-4	sand	15.72	1.0	—			1.0								4	1
-5	rocks/wet sand	15.20	1.0	—			1.0									
-6	soil	15.51	1.0	—			1.0									
-6,MS		15.65	1.0	1.0			1.0									
-6,MSD		15.27	1.0	1.0			1.0									2
-7	wetsand/rocks	15.02	1.0	—			1.0									
-8	solid	15.20	1.0	—			1.0								4	1
-9	sand	15.23	1.0	—			1.0									
-10	wetsand/rocks	15.21	1.0	—			1.0									
-11	sand/rocks	15.36	1.0	—			1.0									
-12	wetsand/rocks	15.17	1.0	—			1.0									
-13 *	wetsand/rocks	15.20	1.0	—			1.0									2
-14		15.71	1.0	—			1.0								4	1
-15	sand	15.47	1.0	—			1.0									
67807-1	mud	15.38	1.0	—			1.0								4	2
-2		15.72	1.0	—			1.0									
-3		15.15	1.0	—			1.0									
67833-16	sand	15.31	1.0	—			1.0								4	1

EB 9.21.10

*67833-13 → Required re-fractionation w/4.80mL due to wrong solvent used during original fractionation. -JC 9.21.10

AEL_Documents:_TopLevelOldServer:AEL Documents LLC:logbooks:PREP LOGBOOKS.xls

Rev 2 10/09/09

JEB 9.21.10

[23]

VPH
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV092110K2
Matrix: Soil
Percent Solid: 0
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				82
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VPH SOIL REPORT

Sample Name	**MBV092110K2**
Data File Name	K29001B.D
Date Acquired	9/21/2010 9:59
Misc Info	100,10.00,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**1.0000**
% Moisture (divided by 100)	0.0000
Vol. entrained water (mL)	0.0000
Total MeOH/water vol (mL)	10.0000
Dilution Factor	50.00
Moisture Corrected Dilution Factor	50.00

88 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2500	
Unadjusted C9-C12 Aliphatics	U		2500	
Benzene	U		100	
Ethylbenzene	U		100	
Methyl-t-butylether	U		100	
Naphthalene	U		100	
Toluene	U		100	ND
m,p-Xylenes	U		200	
o-Xylene	U		100	
C5-C8 Aliphatic Hydrocarbons	U		2500	
C9-C12 Aliphatic Hydrocarbons	U		2500	
C9-C10 Aromatic Hydrocarbons	U		500	
PID Surrogate % Recovery	88%		70-130%	PASS
FID Surrogate % Recovery	82%		70-130%	PASS

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	31.24	0.00	228848						0
C9-C12 ALIPHATICS	7.55	0.00	53808						0
2,5-Dibromotoluene	81.61		240029						
PID RESULTS									
Methyl-t-butylether #2	0.09	0.00	429	2.155	2.183	0.0477	OK	0.00	0
Benzene #2	0.23	0.00	2998	3.519	3.512	0.0380	OK	0.00	0
Toluene #2	0.18	0.00	2091	4.880	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.16	0.00	1786	6.122	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.28	0.00	3562	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.19	0.00	2132	6.560	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.40	0.00	4122	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	4.21	0.00	49650						0
2,5-Dibromotoluene #2	88.34		697276						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

S92210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29001B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:59 am
Operator : JJL
Sample : MBV092110K2
Misc : 100,10.00,SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 10:20:19 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.353	11.353	240029	697276	81.606	88.342
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	81.61% 88.34%
	Target Compounds						
2) Z	2-Methylp...	2.002	2.005	7068	327	0.864	NoCal #
3) TM	Methyl-t-...	2.217	2.155	48	429	NoCal	0.092 #
4) Z	2,2,4-Tri...	3.320	3.321	2802	3033	0.363	NoCal #
5) TM	Benzene	3.520	3.519	3803	2998	NoCal	0.230 #
6) TM	Toluene	4.881	4.880	1898	2091	NoCal	0.175 #
7) XH	C5-C8 ALI...	3.717	0.000	228848	0	31.244	N.D. #
9) TM	Ethylbenzene	6.121	6.122	1413	1786	NoCal	0.163 #
10) TM	m,p-Xylene	6.186	6.187	3179	3562	NoCal	0.284 #
11) TM	o-Xylene	6.558	6.560	1994	2132	NoCal	0.191 #
12) Z	n-Decane	7.151	7.152	4090	1102	0.593	NoCal #
13) Z	n-Butylcy...	7.821	7.819	1974	928	0.268	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	53808	0	7.548	N.D. #
15) ZM	1,2,4-Tri...	7.715	7.715	2241	2737	NoCal	0.232 #
16) XH	C9-C10 AR...	10.410	8.424	17	49650	NoCal	4.209 #
17) TM	Naphthalene	10.244	10.244	2971	4122	NoCal	0.404 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

092210

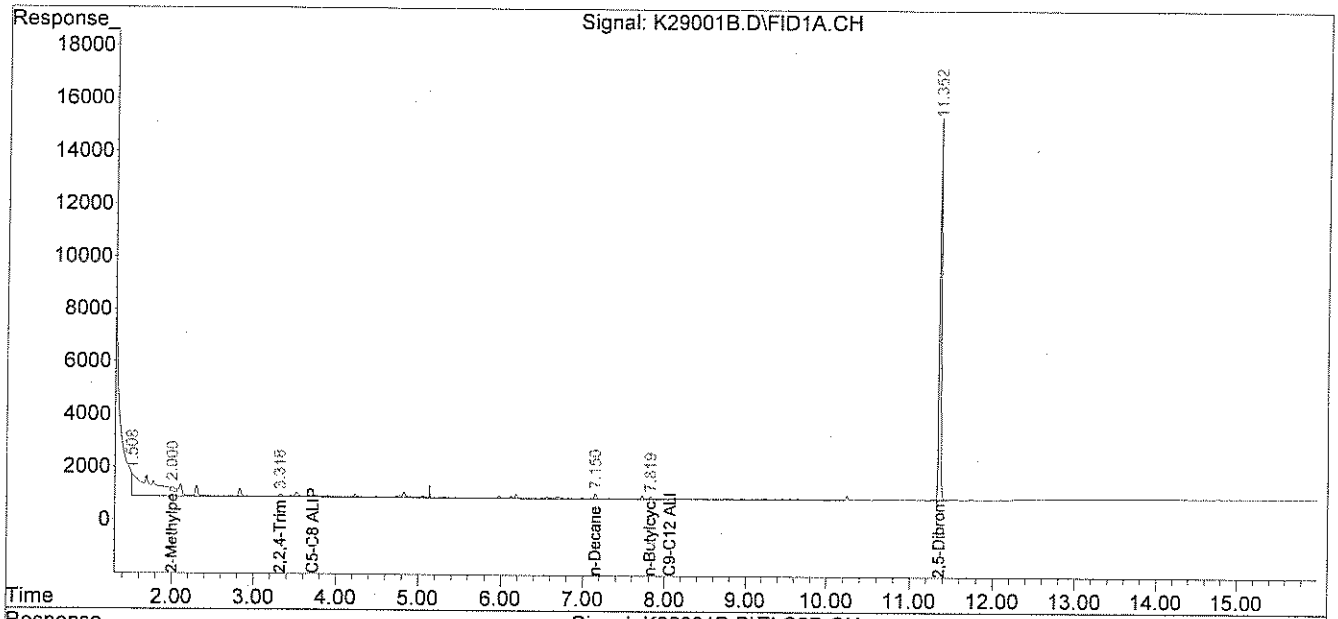
Quantitation Report (Not Reviewed)

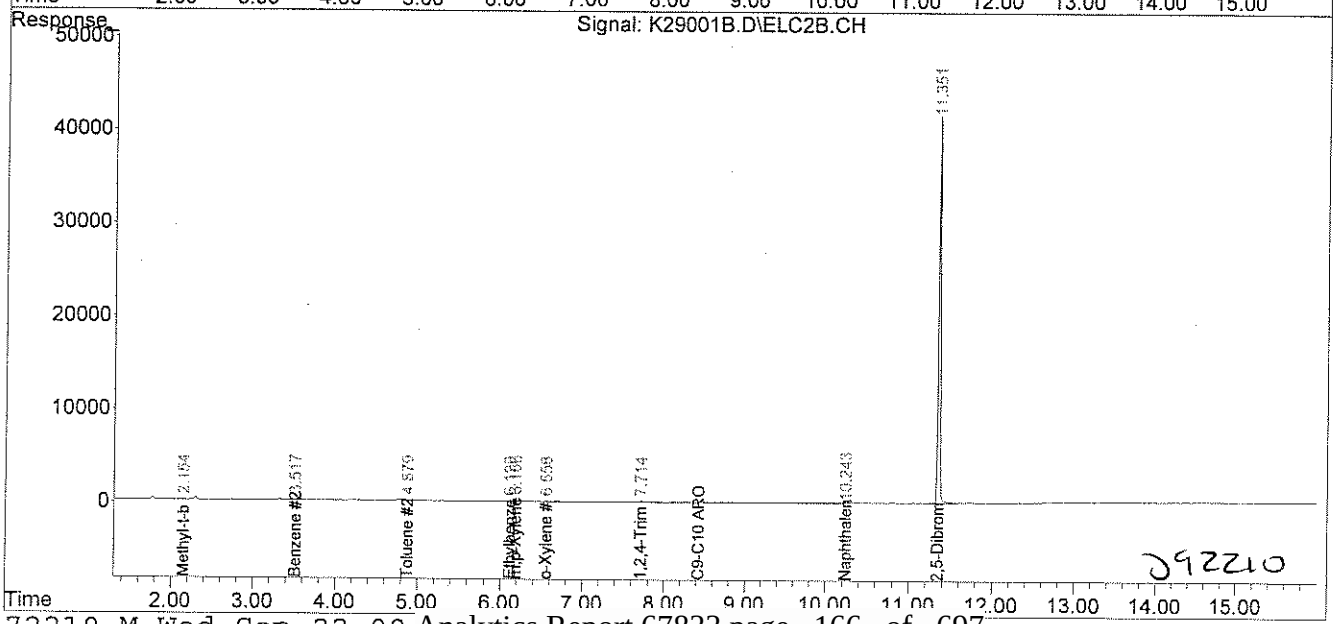
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29001B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:59 am
Operator : JJL
Sample : MBV092110K2
Misc : 100,10.00,SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 10:20:19 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J92210

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV092110K3
Matrix: Soil
Percent Solid: 0
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				83
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: MMcLeod

VPH SOIL REPORT

Sample Name	**MBV092110K3**
Data File Name	K29023B.D
Date Acquired	9/21/2010 19:50
Misc Info	100,10.00,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**1.0000**
% Moisture (divided by 100)	0.0000
Vol. entrained water (mL)	0.0000
Total MeOH/water vol (mL)	10.0000
Dilution Factor	50.00
Moisture Corrected Dilution Factor	50.00

gs 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2500	
Unadjusted C9-C12 Aliphatics	U		2500	
Benzene	U		100	
Ethylbenzene	U		100	
Methyl-t-butylether	U		100	
Naphthalene	U		100	ND
Toluene	U		100	
m,p-Xylenes	U		200	
o-Xylene	U		100	
C5-C8 Aliphatic Hydrocarbons	U		2500	
C9-C12 Aliphatic Hydrocarbons	U		2500	
C9-C10 Aromatic Hydrocarbons	U		500	
PID Surrogate % Recovery	88%		70-130%	PASS
FID Surrogate % Recovery	83%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	29.86	0.00	218737						0
C9-C12 ALIPHATICS	13.33	0.00	95060						0
2,5-Dibromotoluene	82.95		243971						
PID RESULTS									
Methyl-t-butylether #2	0.24	0.00	1101	2.193	2.183	0.0477	OK	0.00	0
Benzene #2	0.95	0.00	12370	3.509	3.512	0.0380	OK	0.00	0
Toluene #2	0.97	0.00	11600	4.881	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.81	0.00	8873	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	1.57	0.00	19657	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.82	0.00	9131	6.558	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.61	0.00	6228	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	4.49	0.00	52937						0
2,5-Dibromotoluene #2	87.96		694223						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

5/28/10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29023B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:50 pm
Operator : JJL
Sample : MBV092110K3
Misc : 100,10.00,SOIL
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:41:09 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds								
18)	S	2,5-Dibro...	11.354	11.353	243971	694223	82.946	87.955
Spiked Amount			100.000	Range	70 - 130	Recovery	=	82.95% 87.95%
Target Compounds								
2)	Z	2-Methylp...	2.004	2.002	8097	792	0.989	NoCal #
3)	TM	Methyl-t-...	2.177	2.192	162	1101	NoCal	0.236 #
4)	Z	2,2,4-Tri...	3.320	3.320	4607	3149	0.597	NoCal #
5)	TM	Benzene	3.511	3.509	11449	12370	NoCal m	0.951m#
6)	TM	Toluene	4.881	4.881	9217	11600	NoCal	0.973 #
7)	XH	C5-C8 ALI...	3.717	0.000	218737	0	29.863	N.D. #
9)	TM	Ethylbenzene	6.121	6.121	8728	8873	NoCal	0.812 #
10)	TM	m,p-Xylene	6.187	6.187	17286	19657	NoCal	1.567 #
11)	TM	o-Xylene	6.558	6.558	8805	9131	NoCal	0.816 #
12)	Z	n-Decane	7.152	7.155	6683	1609	0.969	NoCal #
13)	Z	n-Butylcy...	7.822	7.821	6732	4452	0.915	NoCal #
14)	XH	C9-C12 AL...	8.070	0.000	95060	0	13.334	N.D. #
15)	ZM	1,2,4-Tri...	7.715	7.715	9501	10281	NoCal	0.872 #
16)	XH	C9-C10 AR...	10.410	8.424	18	52937	NoCal	4.488 #
17)	TM	Naphthalene	10.244	10.244	4644	6228	NoCal	0.611 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J92210

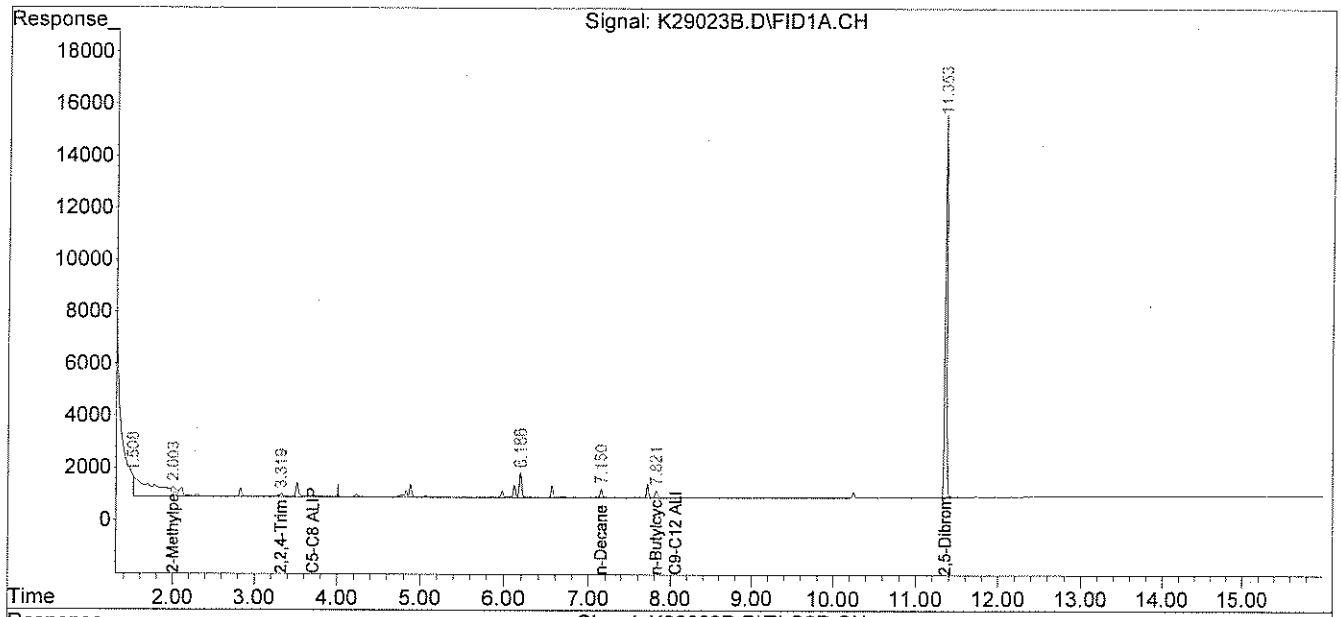
Quantitation Report (QT Reviewed)

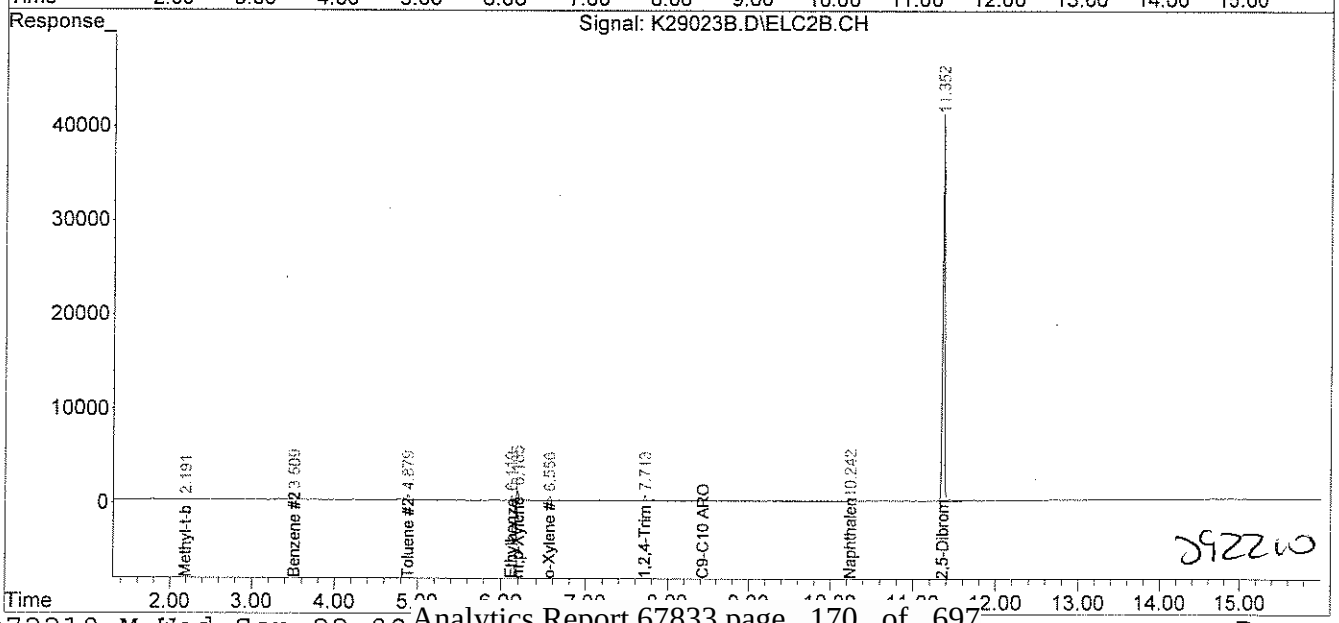
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29023B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:50 pm
Operator : JJL
Sample : MBV092110K3
Misc : 100,10.00,SOIL
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:41:09 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





D92210

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-01

SAMPLE DATA

Lab Sample ID: 67833-1
Matrix: Solid
Percent Solid: 92
Dilution Factor: 61
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3050	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3050	µg/kg	**2070 J**
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	240	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3050	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3050	µg/kg	**2070 J**
C9-C10 Aromatic Hydrocarbons[1]	N/A	610	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				95
Surrogate % Recovery (2,5-Dibromotoluene) FID				89
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67833-1**
Data File Name	K29002.D
Date Acquired	9/21/2010 10:48
Misc Info	100,9.61,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	9.61
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9202**
% Moisture (divided by 100)	0.0798
Vol. entrained water (mL)	0.7669
Total MeOH/water vol (mL)	10.7669
Dilution Factor	56.54
Moisture Corrected Dilution Factor	60.88

gg 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3044	
Unadjusted C9-C12 Aliphatics	2069	J	3044	
Benzene	U		122	
Ethylbenzene	U		122	
Methyl-t-butylether	U		122	
Naphthalene	U		122	
Toluene	U		122	
m,p-Xylenes	U		244	
o-Xylene	U		122	
C5-C8 Aliphatic Hydrocarbons	U		3044	
C9-C12 Aliphatic Hydrocarbons	2069	J	3044	
C9-C10 Aromatic Hydrocarbons	U		609	
PID Surrogate % Recovery	95%		70-130%	PASS
FID Surrogate % Recovery	89%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	28.43	0.00	208260						0
C9-C12 ALIPHATICS	33.98	2068.76	242262						2069
2,5-Dibromotoluene	82.74		243360						
PID RESULTS									
Methyl-t-butylether #2	0.03	0.00	122	2.175	2.183	0.0477	OK	0.00	0
Benzene #2	0.33	0.00	4234	3.514	3.512	0.0380	OK	0.00	0
Toluene #2	0.28	0.00	3297	4.881	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.24	0.00	2648	6.119	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.44	0.00	5565	6.186	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.28	0.00	3172	6.559	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.46	0.00	4667	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	7.89	0.00	93029						0
2,5-Dibromotoluene #2	87.80		692970						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									2069

392310

9/22/2010 9:01 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29002.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 10:48 am
Operator : JJL
Sample : 67833-1
Misc : 100,9.61,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:00:28 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.353	243360	692970	82.738	87.796	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	82.74%	87.80%
	Target Compounds							
2) Z	2-Methylp...	2.002	2.046	7534	1763	0.921	NoCal	#
3) TM	Methyl-t-...	0.000	2.175	0	122	N.D.	0.026	#
4) Z	2,2,4-Tri...	3.322	3.321	2932	3782	0.380	NoCal	#
5) TM	Benzene	3.517	3.514	4134	4234	NoCal	0.325	#
6) TM	Toluene	4.880	4.881	2567	3297	NoCal	0.276	#
7) XH	C5-C8 ALI...	3.717	0.000	208260	0	28.433	N.D.	#
9) TM	Ethylbenzene	6.118	6.119	4187	2648	NoCal	0.242	#
10) TM	m,p-Xylene	6.186	6.186	5209	5565	NoCal	0.444	#
11) TM	o-Xylene	6.559	6.559	3234	3172	NoCal	0.284	#
12) Z	n-Decane	7.151	7.152	13033	2098	1.890	NoCal	#
13) Z	n-Butylcy...	7.824	7.818	7726	1950	1.050	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	242262	0	33.983	N.D.	#
15) ZM	1,2,4-Tri...	7.715	7.715	5556	4274	NoCal	0.362	#
16) XH	C9-C10 AR...	10.410	8.424	39	93029	NoCal	7.887	#
17) TM	Naphthalene	10.245	10.244	6261	4667	NoCal	0.458	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J9230

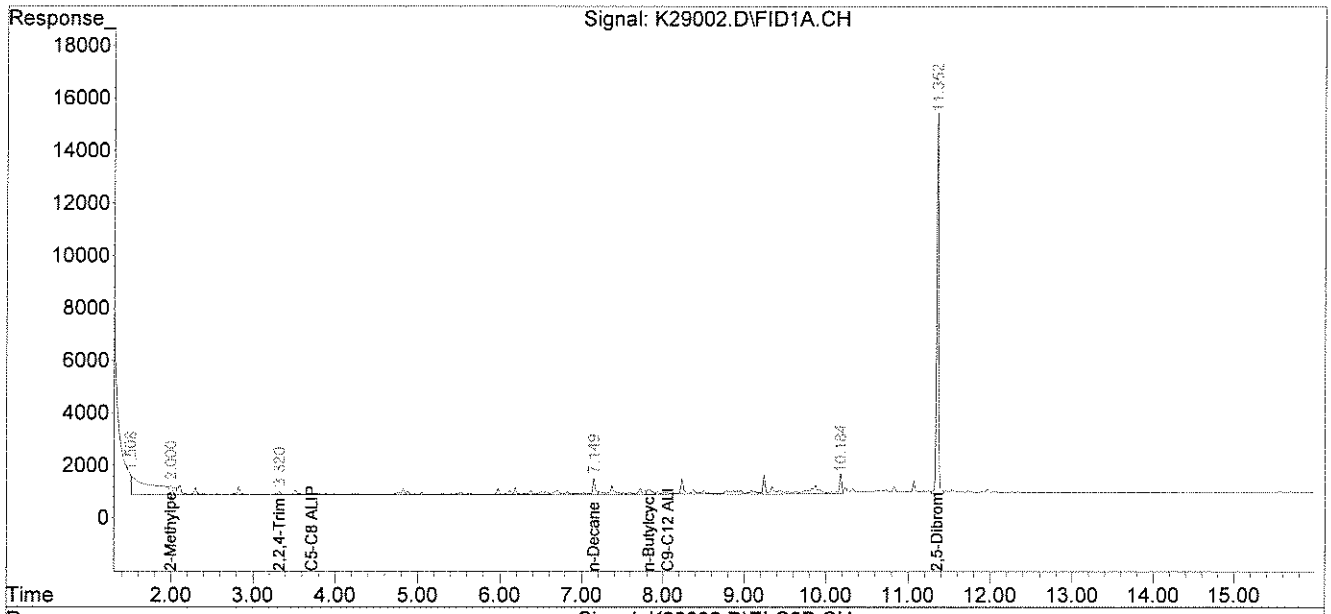
Quantitation Report (QT Reviewed)

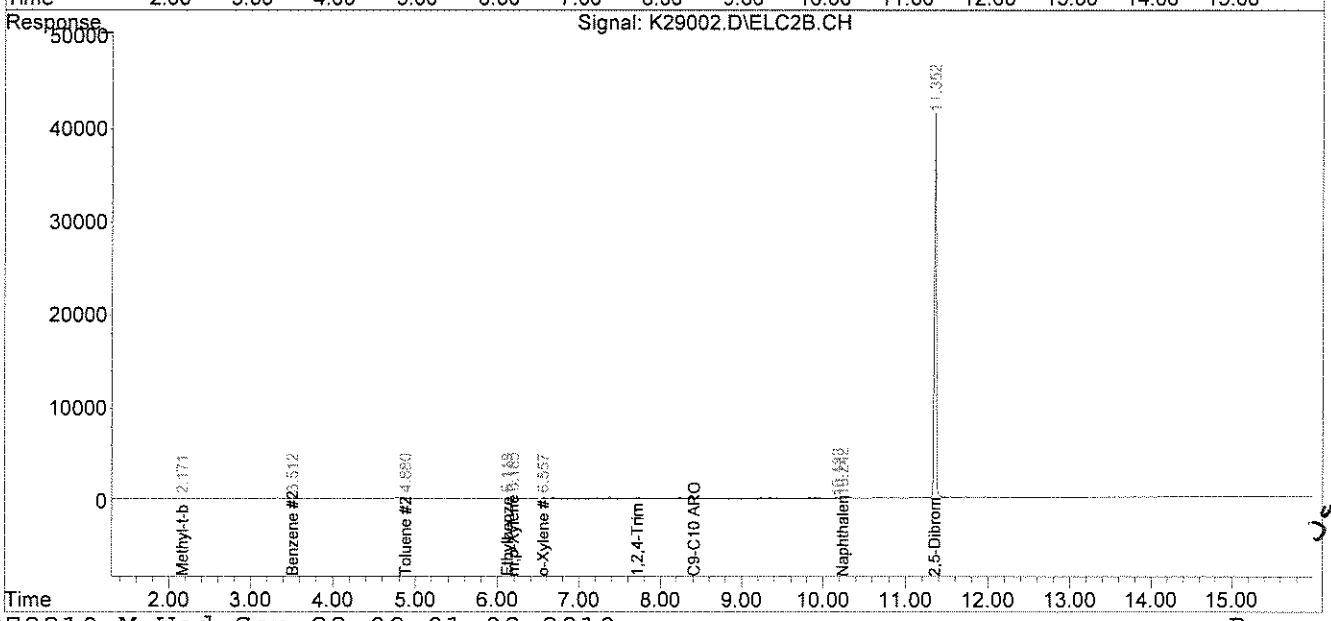
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29002.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 10:48 am
Operator : JJL
Sample : 67833-1
Misc : 100,9.61,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:00:28 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gf 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J9230

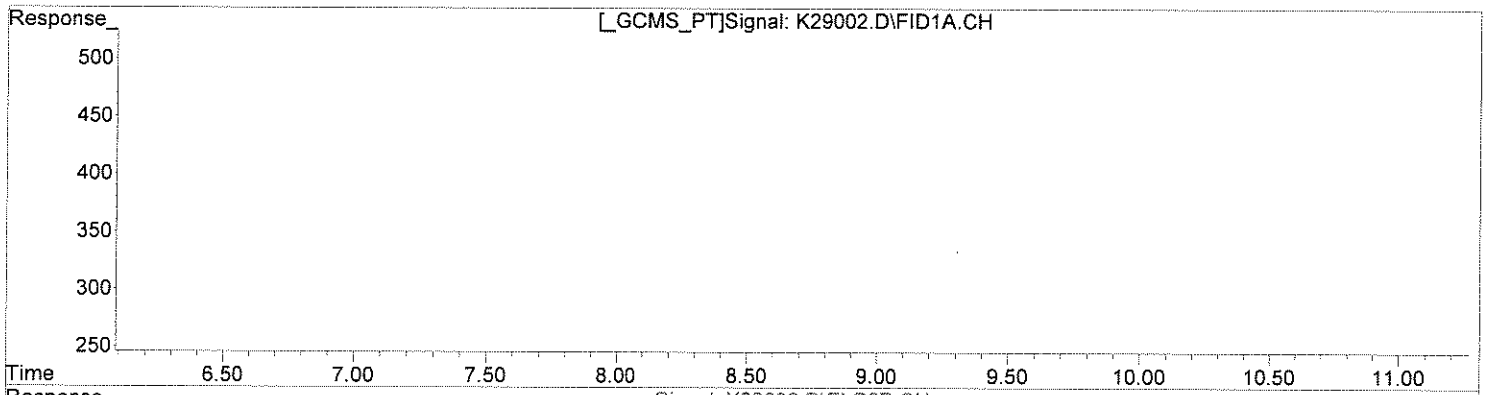
Quantitation Report (Qedit)

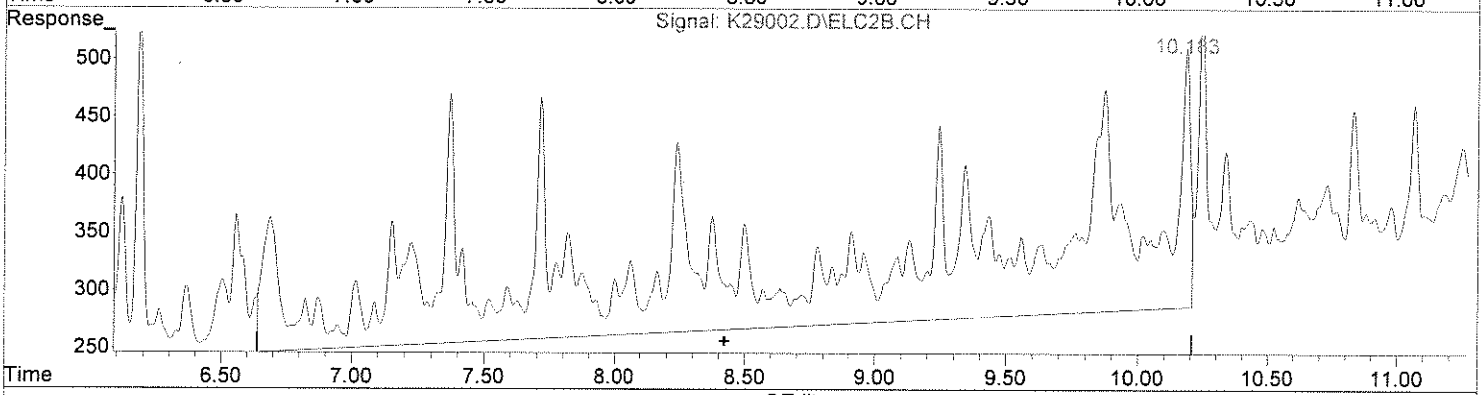
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29002.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 10:48 am
Operator : JJL
Sample : 67833-1
Misc : 100,9.61,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 16:54:16 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJ 9/22/10
Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 39

(16) C9-C10 AROMATICS #2 (XH)
8.424min 10.051ug/L m
response 118560

D92310

(+) = Expected Retention Time

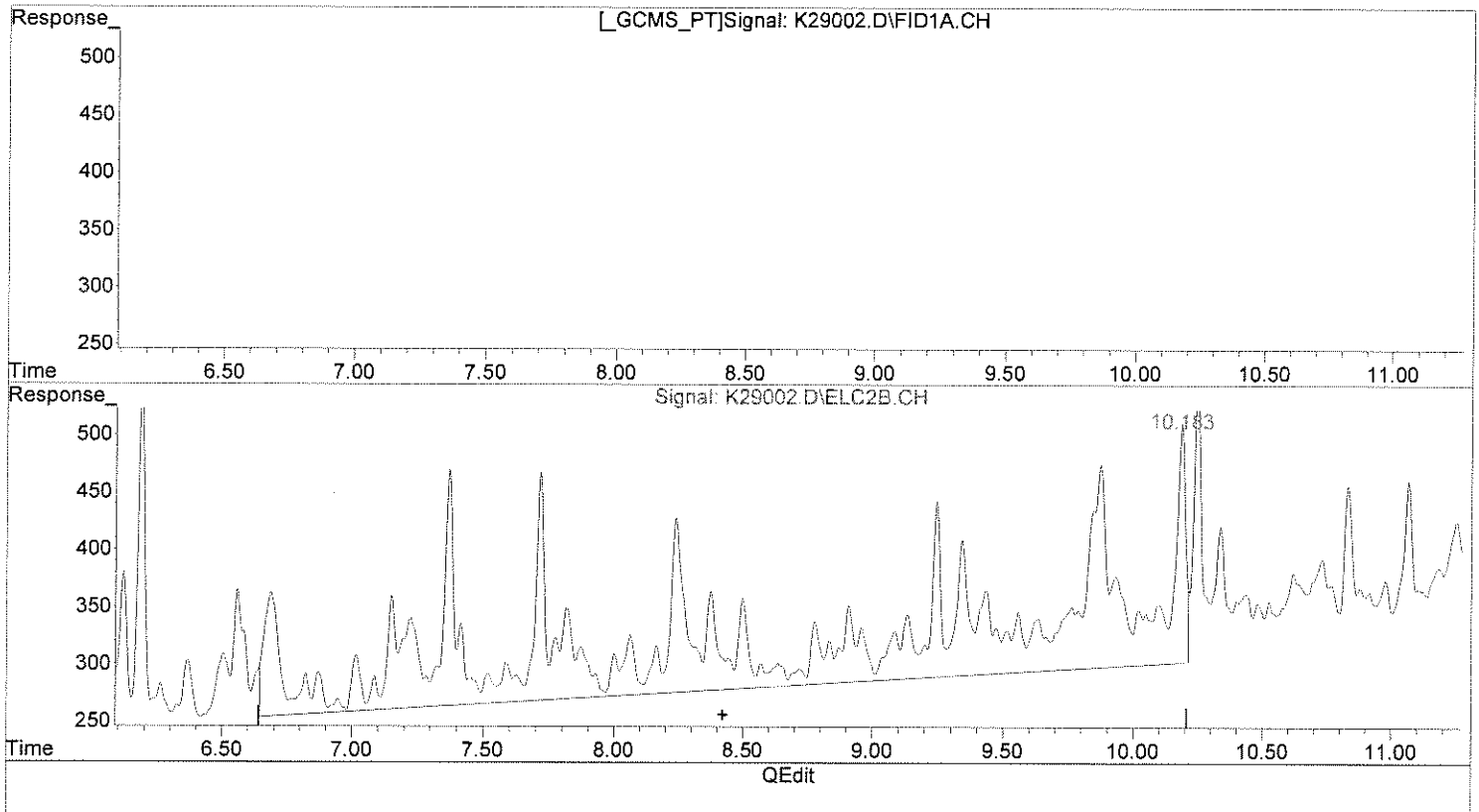
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29002.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 10:48 am
Operator : JJL
Sample : 67833-1
Misc : 100,9.61,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 16:54:16 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 39

(16) C9-C10 AROMATICS #2 (XH)
8.424min 7.887ug/L m
response 93029

92300

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-02

SAMPLE DATA

Lab Sample ID: 67833-2
Matrix: Solid
Percent Solid: 90
Dilution Factor: 60
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3000	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3000	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	240	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3000	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3000	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	600	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				99
Surrogate % Recovery (2,5-Dibromotoluene) FID				92
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67833-2**
Data File Name	K29003.D
Date Acquired	9/21/2010 11:13
Misc Info	100,10.12,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.12
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9005**
% Moisture (divided by 100)	0.0995
Vol. entrained water (mL)	1.0069
Total MeOH/water vol (mL)	11.0069
Dilution Factor	54.87
Moisture Corrected Dilution Factor	60.39

SB 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3020	
Unadjusted C9-C12 Aliphatics	U		3020	
Benzene	U		121	
Ethylbenzene	U		121	
Methyl-t-butylether	U		121	
Naphthalene	U		121	ND
Toluene	U		121	
m,p-Xylenes	U		242	
o-Xylene	U		121	
C5-C8 Aliphatic Hydrocarbons	U		3020	
C9-C12 Aliphatic Hydrocarbons	U		3020	
C9-C10 Aromatic Hydrocarbons	U		604	
PID Surrogate % Recovery	99%		70-130%	PASS
FID Surrogate % Recovery	92%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	31.46	0.00	230567						0
C9-C12 ALIPHATICS	10.90	0.00	77696						0
2,5-Dibromotoluene	83.93		246872						
PID RESULTS									
Methyl-t-butylether #2	0.18	0.00	837	2.159	2.163	0.0477	OK	0.00	0
Benzene #2	0.32	0.00	4136	3.522	3.512	0.0380	OK	0.00	0
Toluene #2	0.27	0.00	3193	4.873	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.19	0.00	2097	6.117	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.33	0.00	4173	6.186	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.31	0.00	3436	6.560	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.22	0.00	2220	10.243	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	8.92	0.00	105240						0
2,5-Dibromotoluene #2	89.72		708164						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

42240

9/22/2010 9:02 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29003.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 11:13 am
Operator : JJL
Sample : 67833-2
Misc : 100,10.12,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:02:12 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.353	11.353	246872	708164	83.932	89.721	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	83.93%	89.72%
	Target Compounds							
2) Z	2-Methylp...	2.002	2.005	8933	756	1.091	NoCal	#
3) TM	Methyl-t-...	2.210	2.159	43	837	NoCal	0.180	#
4) Z	2,2,4-Tri...	3.321	3.322	3902	4321	0.506	NoCal	#
5) TM	Benzene	3.522	3.522	3273	4136	NoCal	0.318	#
6) TM	Toluene	4.879	4.873	1028	3193	NoCal	0.268	#
7) XH	C5-C8 ALI...	3.717	0.000	230567	0	31.478	N.D.	#
9) TM	Ethylbenzene	6.117	6.117	694	2097	NoCal	0.192	#
10) TM	m,p-Xylene	6.189	6.186	1927	4173	NoCal	0.333	#
11) TM	o-Xylene	6.559	6.560	1166	3436	NoCal	0.307	#
12) Z	n-Decane	7.151	7.158	2677	1908	0.388	NoCal	#
13) Z	n-Butylcy...	7.819	7.814	871	2565	0.118	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	77696	0	10.899	N.D.	#
15) ZM	1,2,4-Tri...	7.710	7.718	2884	2932	NoCal	0.249	#
16) XH	C9-C10 AR...	10.410	8.424	0	105240	NoCal	8.922	#
17) TM	Naphthalene	10.244	10.243	1503	2220	NoCal	0.218	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J92310

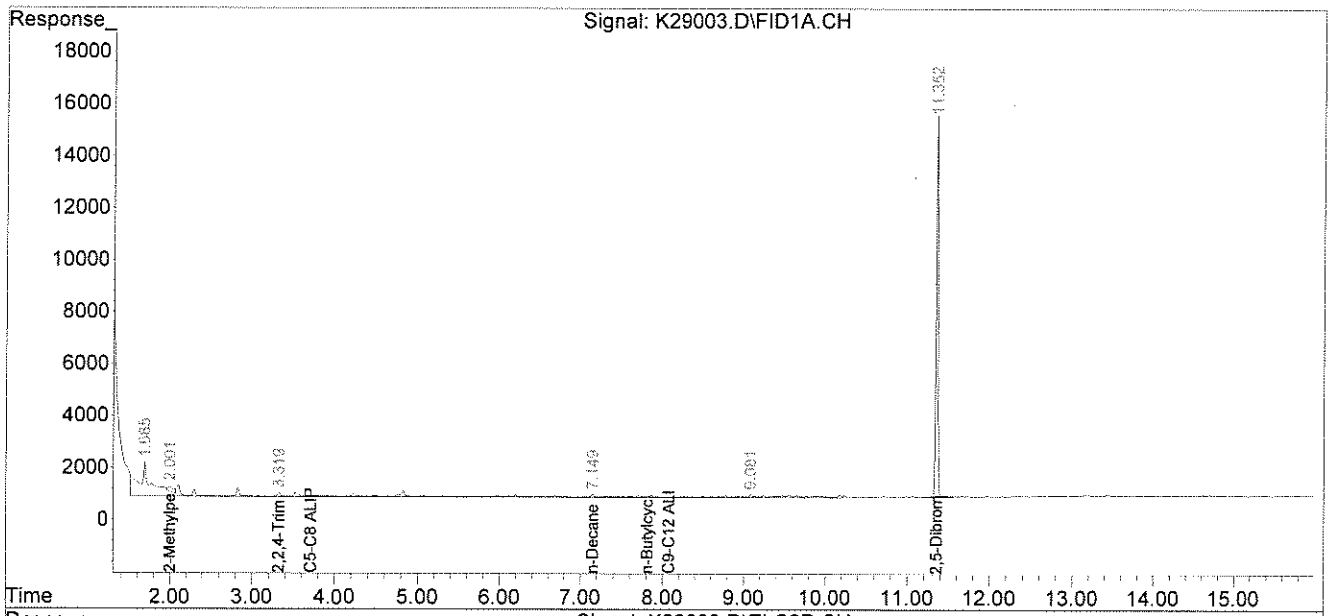
Quantitation Report (QT Reviewed)

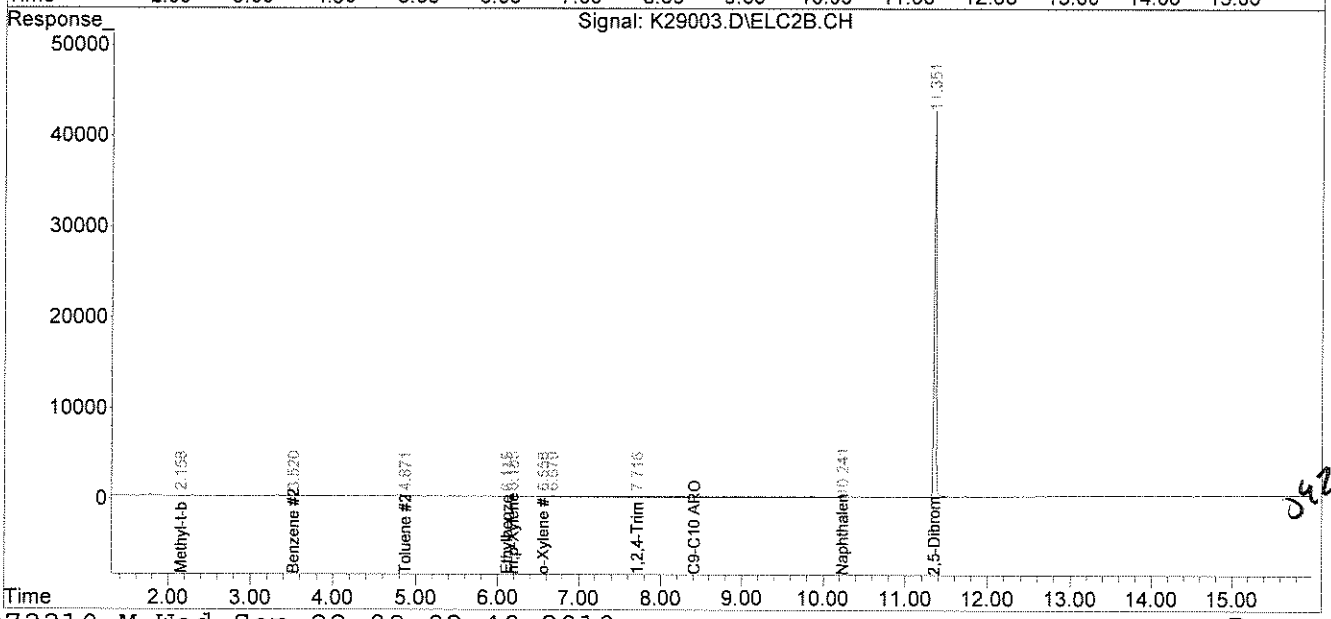
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29003.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 11:13 am
Operator : JJL
Sample : 67833-2
Misc : 100,10.12,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:02:12 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gf 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

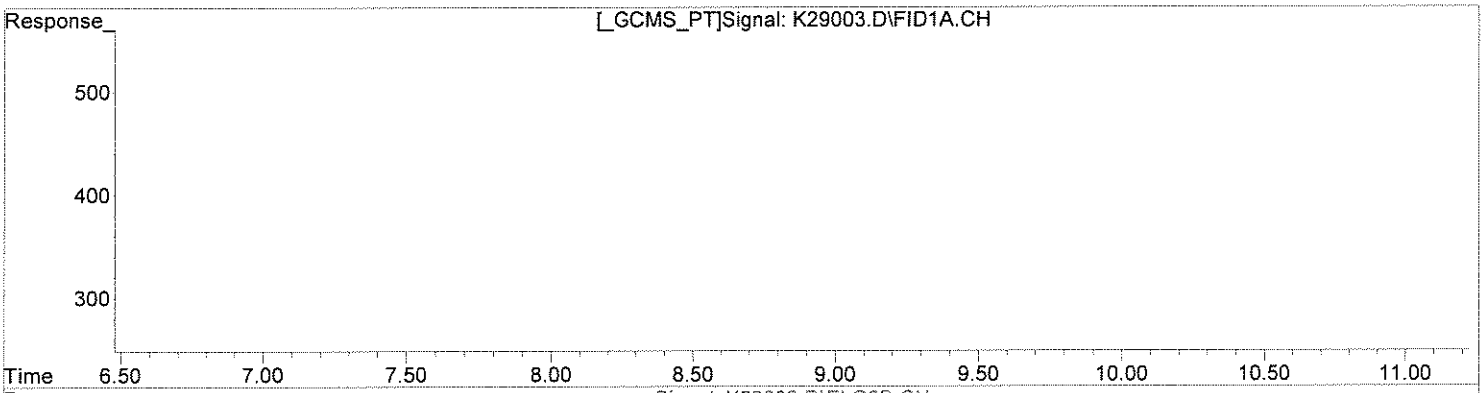
Quantitation Report (Qedit)

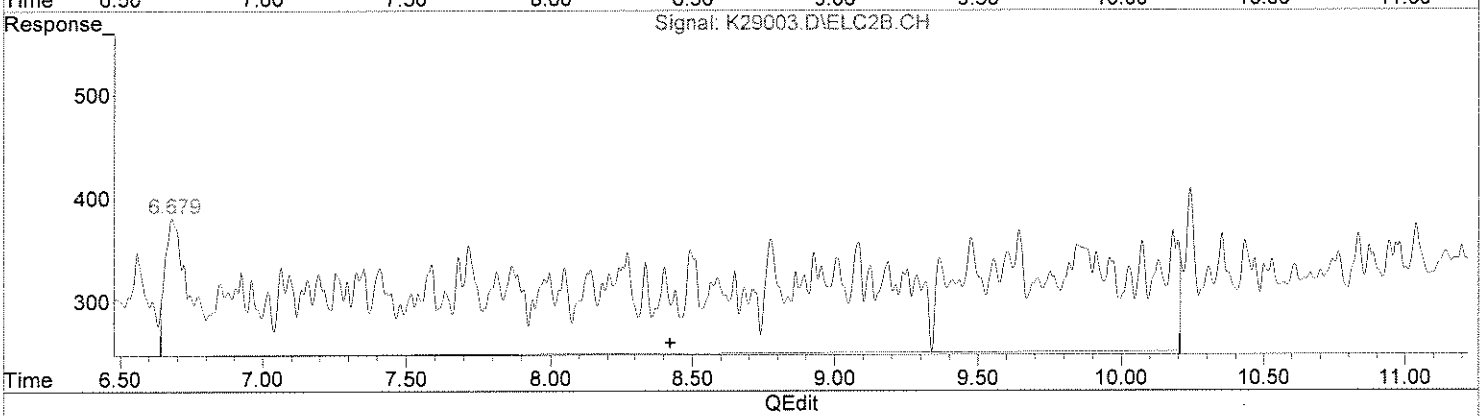
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29003.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 11:13 am
Operator : JJL
Sample : 67833-2
Misc : 100,10.12,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:01:16 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 9/22/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 0

(16) C9-C10 AROMATICS #2 (XH)
8.424min 12.099ug/L m
response 142714

592360

(+) = Expected Retention Time

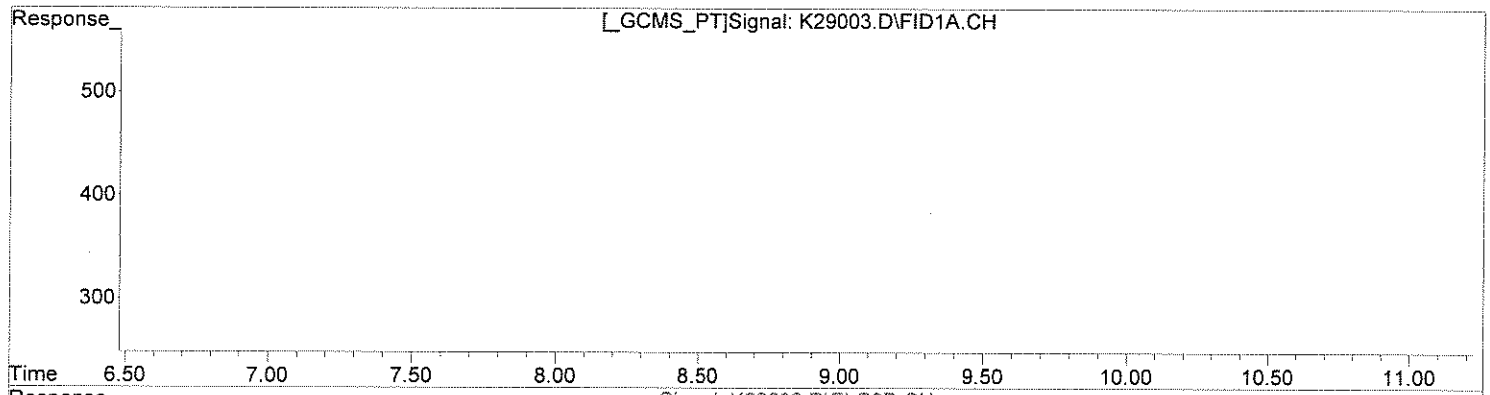
Quantitation Report (Qedit)

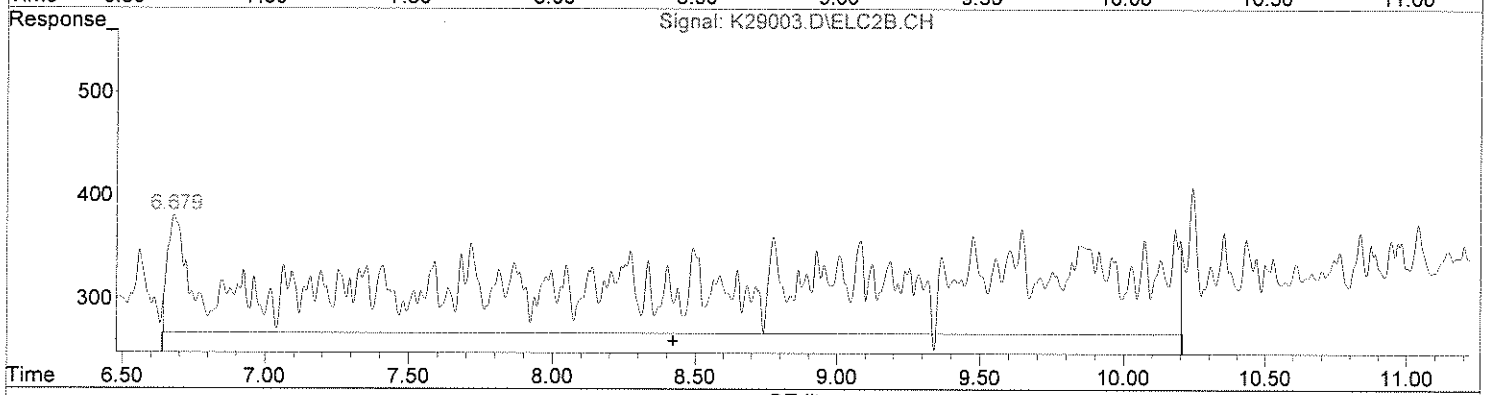
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29003.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 11:13 am
Operator : JJL
Sample : 67833-2
Misc : 100,10.12,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:01:16 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 0

(16) C9-C10 AROMATICS #2 (XH)
8.424min 8.922ug/L m
response 105240

JJL 9/22/10

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-03

SAMPLE DATA

Lab Sample ID: 67833-3
Matrix: Solid
Percent Solid: 95
Dilution Factor: 61
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3050	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3050	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	240	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3050	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3050	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	610	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				83
Surrogate % Recovery (2,5-Dibromotoluene) FID				77
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67833-3**
Data File Name	K29004.D
Date Acquired	9/21/2010 11:38 ✓
Misc Info	100,8.96,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	8.96
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9512** ✓
% Moisture (divided by 100)	0.0488
Vol. entrained water (mL)	0.4372
Total MeOH/water vol (mL)	10.4372
Dilution Factor	58.67
Moisture Corrected Dilution Factor	61.23

gs 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3062	
Unadjusted C9-C12 Aliphatics	U		3062	
Benzene	U		122	
Ethylbenzene	U		122	
Methyl-t-butylether	U		122	
Naphthalene	U		122	ND
Toluene	U		122	
m,p-Xylenes	U		245	
o-Xylene	U		122	
C5-C8 Aliphatic Hydrocarbons	U		3062	
C9-C12 Aliphatic Hydrocarbons	U		3062	
C9-C10 Aromatic Hydrocarbons	U		612	
PID Surrogate % Recovery	83%		70-130%	PASS ✓
FID Surrogate % Recovery	77%		70-130%	PASS ✓

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	33.64 ✓	0.00	246421						0
C9-C12 ALIPHATICS	7.42 ✓	0.00	52931						0
2,5-Dibromotoluene	73.77		216987						
PID RESULTS									
Methyl-t-butylether #2	0.33	0.00	1555	2.149	2.183	0.0477	OK	0.00	0
Benzene #2	0.25	0.00	3198	3.522	3.512	0.0380	OK	0.00	0
Toluene #2	0.14	0.00	1652	4.882	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.06	0.00	658	6.118	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.14	0.00	1729	6.186	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.15	0.00	1625	6.562	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.17	0.00	1780	10.245	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	3.21 ✓	0.00	37815						0
2,5-Dibromotoluene #2	79.72		629239						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

9-23-10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29004.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 11:38 am
Operator : JJL
Sample : 67833-3
Misc : 100,8.96,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:02:56 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.353	216987	629239	73.772	79.722	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	73.77%	79.72%
	Target Compounds							
2) Z	2-Methylp...	2.003	1.999	8824	945	1.078	NoCal	#
3) TM	Methyl-t-...	0.000	2.149	0	1555	N.D.	0.333	#
4) Z	2,2,4-Tri...	3.274	3.320	439	3744	0.057	NoCal	#
5) TM	Benzene	3.523	3.522	3452	3198	NoCal	0.246	#
6) TM	Toluene	4.880	4.882	1057	1652	NoCal	0.138	#
7) XH	C5-C8 ALI...	3.717	0.000	246421	0	33.643	N.D.	#
9) TM	Ethylbenzene	6.116	6.118	844	658	NoCal	0.060	#
10) TM	m,p-Xylene	6.188	6.186	1211	1729	NoCal	0.138	#
11) TM	o-Xylene	6.560	6.562	1317	1625	NoCal	0.145	#
12) Z	n-Decane	7.151	7.148	2206	653	0.320	NoCal	#
13) Z	n-Butylcy...	7.823	7.826	825	485	0.112	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	52931	0	7.425	N.D.	#
15) ZM	1,2,4-Tri...	7.714	7.715	1628	1761	NoCal	0.149	#
16) XH	C9-C10 AR...	10.410	8.424	19	37815	NoCal	3.206	#
17) TM	Naphthalene	10.244	10.245	1108	1780	NoCal	0.175	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

092310

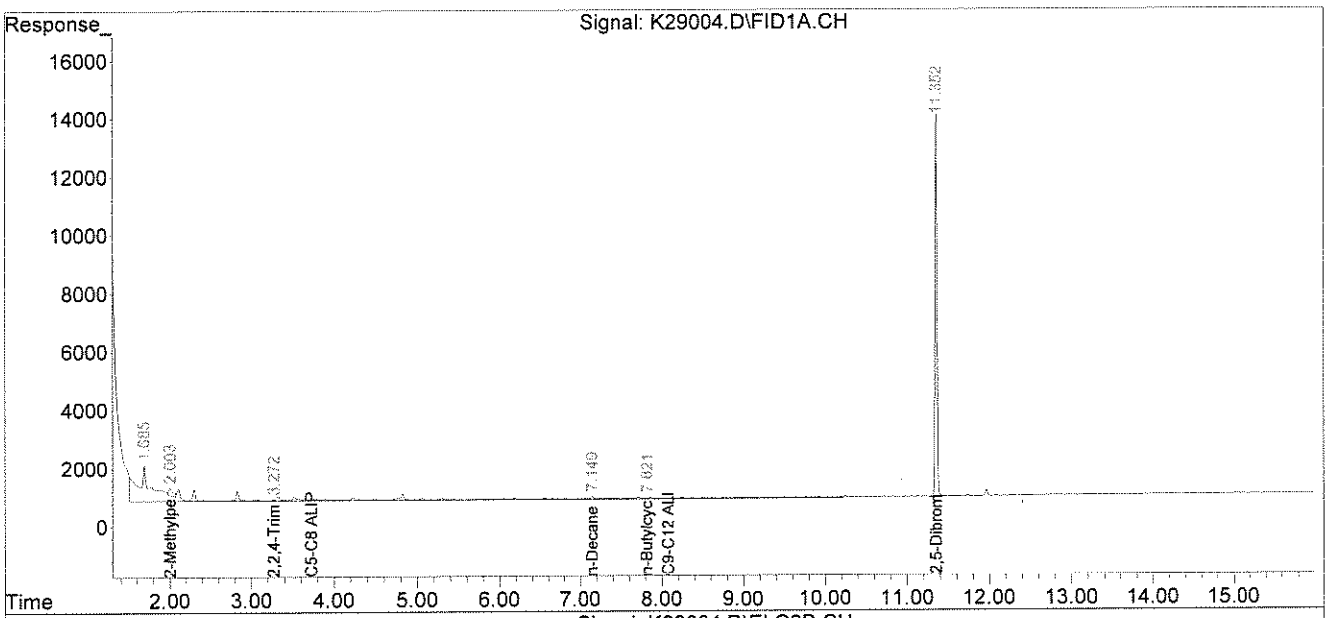
Quantitation Report (Not Reviewed)

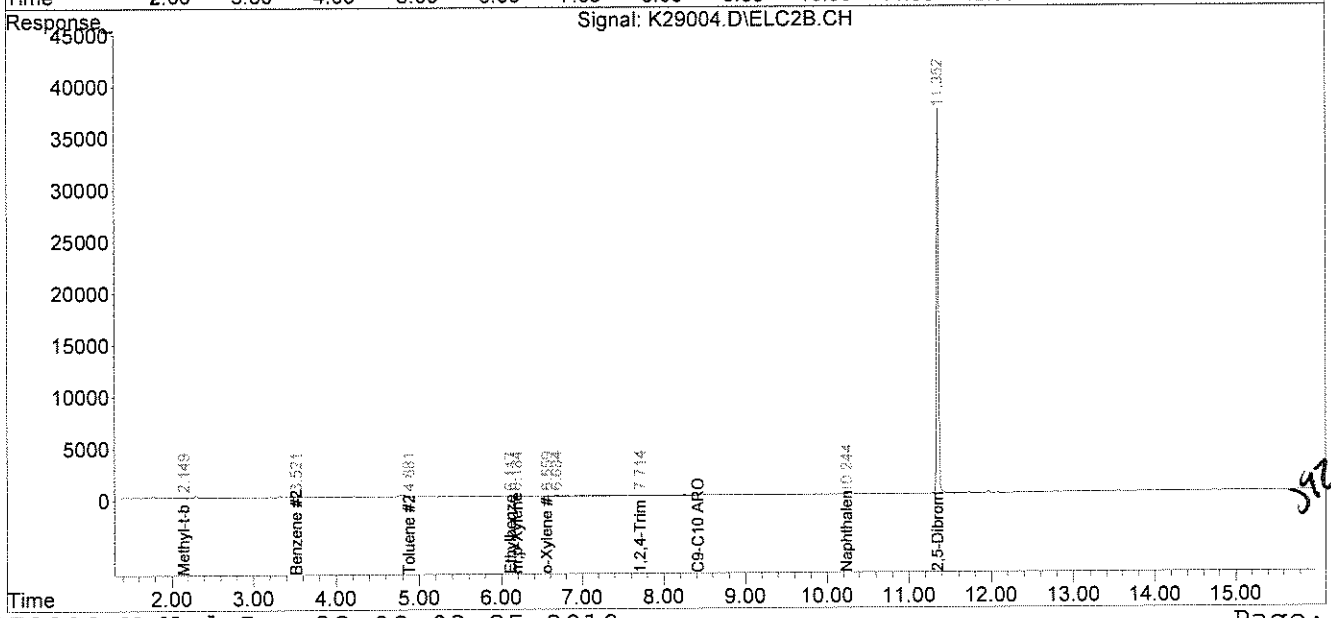
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29004.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 11:38 am
Operator : JJL
Sample : 67833-3
Misc : 100,8.96,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:02:56 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-04

SAMPLE DATA

Lab Sample ID: 67833-4
Matrix: Solid
Percent Solid: 96
Dilution Factor: 64
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3200	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3200	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3200	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3200	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	640	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				83
Surrogate % Recovery (2,5-Dibromotoluene) FID				88
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: Mahlhell

VPH SOIL REPORT

Sample Name	**67833-4**
Data File Name	K29005.D
Date Acquired	9/21/2010 12:02
Misc Info	100,8.36,SOIL ✓
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	8.36
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9628** ✓
% Moisture (divided by 100)	0.0372
Vol. entrained water (mL)	0.3110
Total MeOH/water vol (mL)	10.3110
Dilution Factor	62.12
Moisture Corrected Dilution Factor	64.05

gf 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3203	
Unadjusted C9-C12 Aliphatics	U		3203	
Benzene	U		128	
Ethylbenzene	U		128	
Methyl-t-butylether	U		128	
Naphthalene	U		128	ND
Toluene	U		128	
m,p-Xylenes	U		256	
o-Xylene	U		128	
C5-C8 Aliphatic Hydrocarbons	U		3203	
C9-C12 Aliphatic Hydrocarbons	U		3203	
C9-C10 Aromatic Hydrocarbons	U		641	
PID Surrogate % Recovery	83%		70-130%	PASS ✓
FID Surrogate % Recovery	88%		70-130%	PASS ✓

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	32.16 ✓	0.00	235530						0
C9-C12 ALIPHATICS	8.15 ✓	0.00	58108						0
2,5-Dibromotoluene	85.78		252317						
PID RESULTS									
Methyl-t-butylether #2	0.11	0.00	504	2.173	2.183	0.0477	OK	0.00	0
Benzene #2	0.21	0.00	2729	3.522	3.512	0.0380	OK	0.00	0
Toluene #2	0.16	0.00	1965	4.879	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.10	0.00	1113	6.124	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.13	0.00	1618	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.08	0.00	840	6.563	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.16	0.00	1629	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	3.74 ✓	0.00	44141						0
2,5-Dibromotoluene #2	80.49		635300						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

792310

9/22/2010 9:03 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29005.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 12:02 pm
Operator : JJL
Sample : 67833-4
Misc : 100,8.36,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:03:39 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

BS 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.353	11.353	252317	635300	85.783	80.490	
Spiked Amount	100.000 Range	70 - 130	Recovery	=	85.78%	80.49%		
	Target Compounds							
2) Z	2-Methylp...	2.003	2.032	8234	761	1.006	NoCal	#
3) TM	Methyl-t-...	2.221	2.173	15	504	NoCal	0.108	#
4) Z	2,2,4-Tri...	3.320	3.270	4610	418	0.597	NoCal	#
5) TM	Benzene	3.523	3.522	8079	2729	NoCal	0.210	#
6) TM	Toluene	4.881	4.879	3135	1965	NoCal	0.165	#
7) XH	C5-C8 ALI...	3.717	0.000	235530	0	32.156	N.D.	#
9) TM	Ethylbenzene	6.120	6.124	4002	1113	NoCal	0.102	#
10) TM	m,p-Xylene	6.188	6.187	5295	1618	NoCal	0.129	#
11) TM	o-Xylene	6.560	6.563	5728	840	NoCal	0.075	#
12) Z	n-Decane	7.151	7.148	9287	908	1.347	NoCal	#
13) Z	n-Butylcy...	7.862	7.815	11951	787	1.623	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	58108	0	8.151	N.D.	#
15) ZM	1,2,4-Tri...	7.714	7.716	9525	2112	NoCal	0.179	#
16) XH	C9-C10 AR...	10.410	8.424	30	44141	NoCal	3.742	#
17) TM	Naphthalene	10.244	10.244	12303	1629	NoCal	0.160	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

JJ 9/23/10

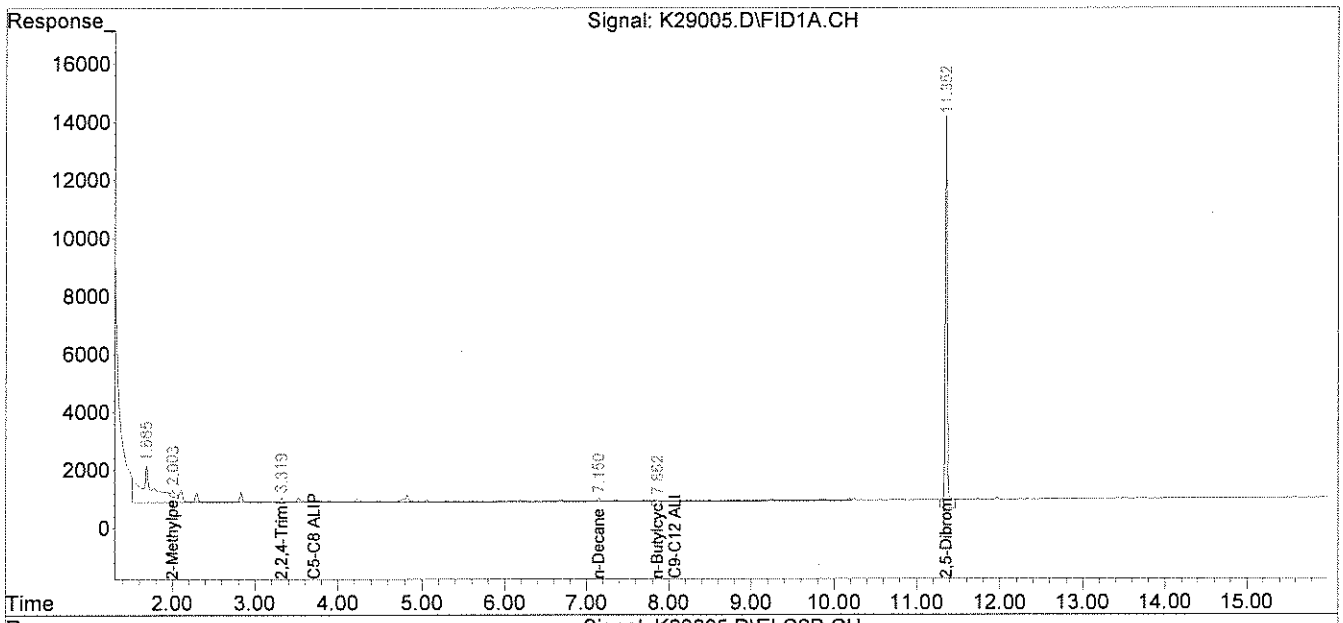
Quantitation Report (Not Reviewed)

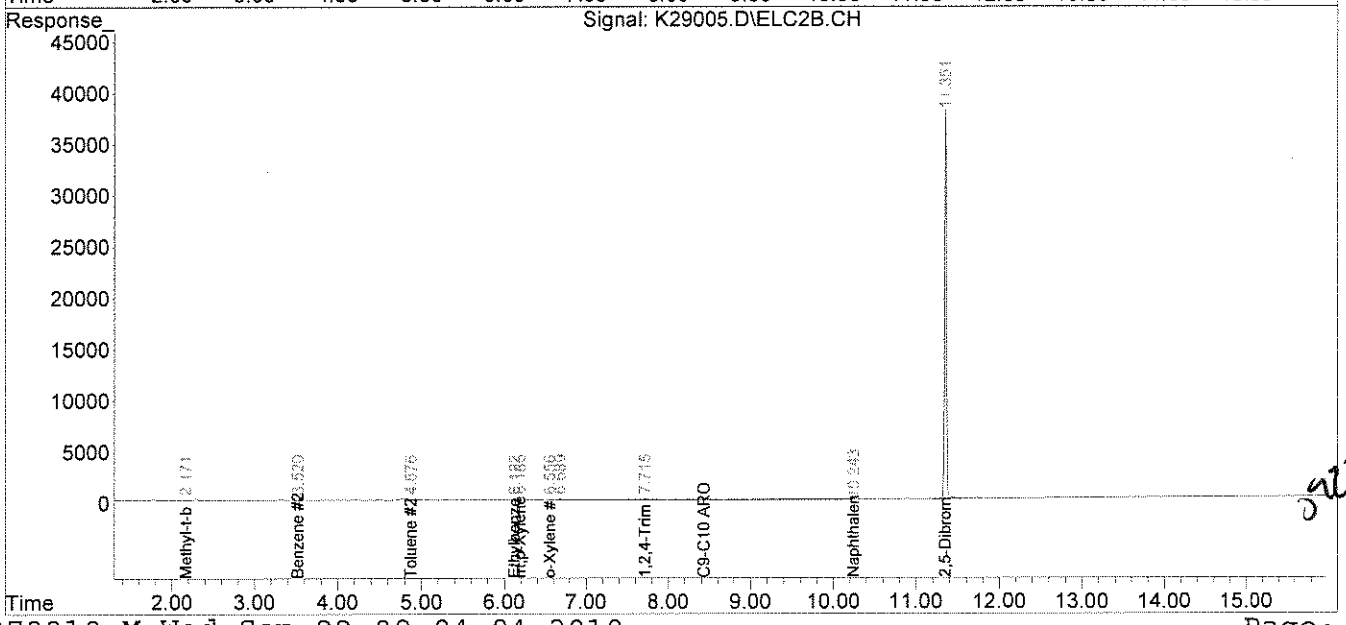
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29005.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 12:02 pm
Operator : JJL
Sample : 67833-4
Misc : 100,8.36,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:03:39 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092360

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-05

SAMPLE DATA

Lab Sample ID: 67833-5
Matrix: Solid
Percent Solid: 89
Dilution Factor: 59
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2950	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2950	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	240	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2950	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2950	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	590	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				91
Surrogate % Recovery (2,5-Dibromotoluene) FID				99
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VPH SOIL REPORT

Sample Name	**67833-5**
Data File Name	K29006.D
Date Acquired	9/21/2010 12:27
Misc Info	100,10.64,SOIL ✓
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.64
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.8885** ✓
% Moisture (divided by 100)	0.1115
Vol. entrained water (mL)	1.1864
Total MeOH/water vol (mL)	11.1864
Dilution Factor	52.89
Moisture Corrected Dilution Factor	59.16

BB 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2958	
Unadjusted C9-C12 Aliphatics	U		2958	
Benzene	U		118	
Ethylbenzene	U		118	
Methyl-t-butylether	U		118	
Naphthalene	U		118	
Toluene	U		118	ND
m,p-Xylenes	U		237	
o-Xylene	U		118	
C5-C8 Aliphatic Hydrocarbons	U		2958	
C9-C12 Aliphatic Hydrocarbons	U		2958	
C9-C10 Aromatic Hydrocarbons	U		592	
PID Surrogate % Recovery	91%		70-130%	PASS ✓
FID Surrogate % Recovery	99%		70-130%	PASS ✓

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	27.16 ✓	0.00	198913						0
C9-C12 ALIPHATICS	10.50 ✓	0.00	74855						0
2,5-Dibromotoluene	88.56		260497						
PID RESULTS									
Methyl-t-butylether #2	0.10	0.00	473	2.169	2.183	0.0477	OK	0.00	0
Benzene #2	0.18	0.00	2361	3.524	3.512	0.0380	OK	0.00	0
Toluene #2	0.13	0.00	1494	4.879	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.16	0.00	1747	6.109	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.11	0.00	1428	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.12	0.00	1326	6.554	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.21	0.00	2167	10.242	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	4.64 ✓	0.00	54774						0
2,5-Dibromotoluene #2	81.50		643284						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

342312

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29006.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 12:27 pm
Operator : JJL
Sample : 67833-5
Misc : 100,10.64,SOIL
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:04:15 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.353	11.353	260497	643284	88.564	81.501	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	88.56%	81.50%
	Target Compounds							
2) Z	2-Methylp...	2.003	2.004	7946	322	0.971	NoCal	#
3) TM	Methyl-t-...	0.000	2.169	0	473	N.D.	0.102	#
4) Z	2,2,4-Tri...	3.319	3.321	7232	3373	0.937	NoCal	#
5) TM	Benzene	3.523	3.524	3773	2361	NoCal	0.181	#
6) TM	Toluene	4.880	4.879	2837	1494	NoCal	0.125	#
7) XH	C5-C8 ALI...	3.717	0.000	198913	0	27.157	N.D.	#
9) TM	Ethylbenzene	6.117	6.109	7796	1747	NoCal	0.160	#
10) TM	m,p-Xylene	6.187	6.187	4989	1428	NoCal	0.114	#
11) TM	o-Xylene	6.566	6.554	4245	1326	NoCal	0.119	#
12) Z	n-Decane	7.152	7.160	7818	1153	1.134	NoCal	#
13) Z	n-Butylcy...	7.821	7.821	4589	531	0.623	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	74855	0	10.500	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	6629	1688	NoCal	0.143	#
16) XH	C9-C10 AR...	10.410	8.424	7	54774	NoCal	4.643	#
17) TM	Naphthalene	10.244	10.242	8578	2167	NoCal	0.213	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J92310

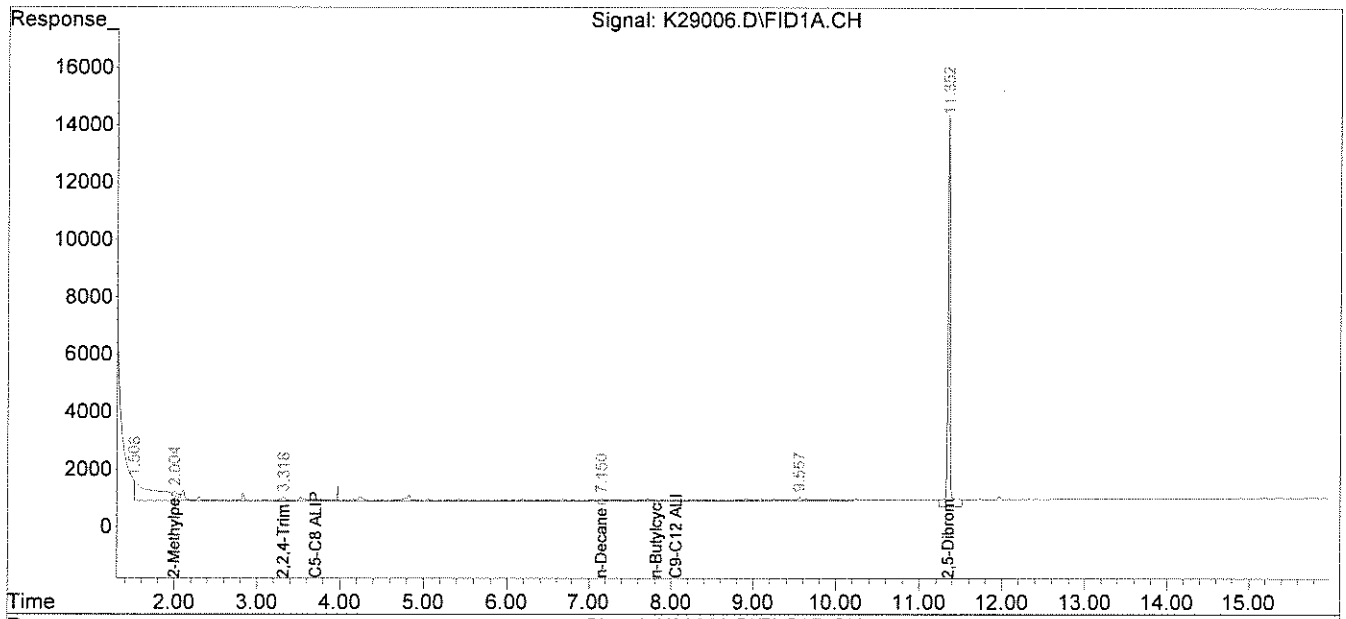
Quantitation Report (Not Reviewed)

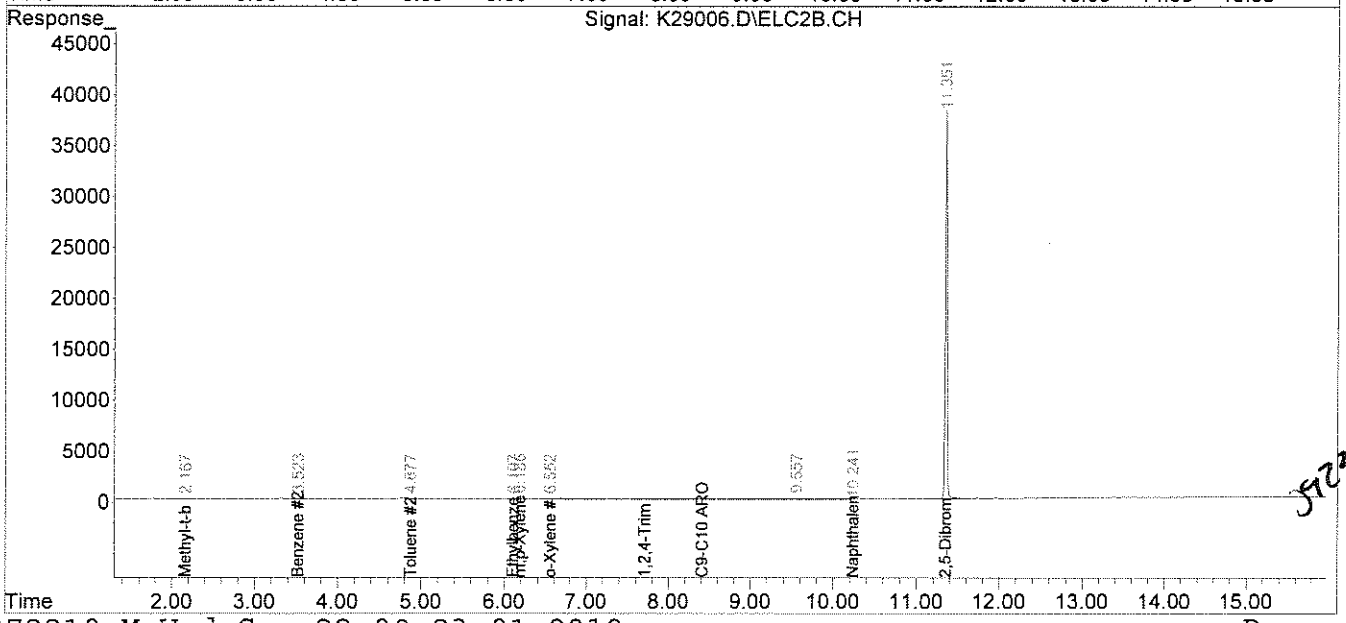
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29006.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 12:27 pm
Operator : JJL
Sample : 67833-5
Misc : 100,10.64,SOIL
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:04:15 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





59230

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-06

SAMPLE DATA

Lab Sample ID: 67833-6
Matrix: Solid
Percent Solid: 91
Dilution Factor: 70
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3500	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	280	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	700	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				89
Surrogate % Recovery (2,5-Dibromotoluene) FID				83
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67833-6**
Data File Name	K29007.D
Date Acquired	9/21/2010 12:52
Misc Info	100,8.50,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	8.50
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9095**
% Moisture (divided by 100)	0.0905
Vol. entrained water (mL)	0.7693
Total MeOH/water vol (mL)	10.7693
Dilution Factor	64.68
Moisture Corrected Dilution Factor	69.65

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3483	
Unadjusted C9-C12 Aliphatics	U		3483	
Benzene	U		139	
Ethylbenzene	U		139	
Methyl-t-butylether	U		139	
Naphthalene	U		139	ND
Toluene	U		139	
m,p-Xylenes	U		279	
o-Xylene	U		139	
C5-C8 Aliphatic Hydrocarbons	U		3483	
C9-C12 Aliphatic Hydrocarbons	U		3483	
C9-C10 Aromatic Hydrocarbons	U		697	
PID Surrogate % Recovery	89%		70-130%	PASS
FID Surrogate % Recovery	83%		70-130%	PASS

gg 9/22/10

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	29.11	0.00	213250						0
C9-C12 ALIPHATICS	8.68	0.00	61877						0
2,5-Dibromotoluene	77.08		226707						
PID RESULTS									
Methyl-t-butylether #2	0.03	0.00	153	2.164	2.183	0.0477	OK	0.00	0
Benzene #2	0.19	0.00	2520	3.521	3.512	0.0380	OK	0.00	0
Toluene #2	0.09	0.00	1068	4.886	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.07	0.00	777	6.119	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.11	0.00	1439	6.186	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.08	0.00	906	6.567	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.20	0.00	2064	10.248	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	5.81	0.00	68521						0
2,5-Dibromotoluene #2	83.03		655334						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

372300

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29007.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 12:52 pm
Operator : JJL
Sample : 67833-6
Misc : 100,8.50,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:04:43 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.353	11.352	226707	655334	77.076	83.028	
Spiked Amount		100.000 Range	70 - 130	Recovery	=	77.08%	83.03%	
	Target Compounds							
2) Z	2-Methylp...	2.003	2.005	8131	531	0.993	NoCal	#
3) TM	Methyl-t-...	0.000	2.164	0	153	N.D.	0.033	#
4) Z	2,2,4-Tri...	3.319	3.254	4014	356	0.520	NoCal	#
5) TM	Benzene	3.523	3.521	3217	2520	NoCal	0.194	#
6) TM	Toluene	4.877	4.886	741	1068	NoCal	0.090	#
7) XH	C5-C8 ALI...	3.717	0.000	213250	0	29.114	N.D.	#
9) TM	Ethylbenzene	6.123	6.119	902	777	NoCal	0.071	#
10) TM	m,p-Xylene	6.188	6.186	1408	1439	NoCal	0.115	#
11) TM	o-Xylene	6.557	6.567	1561	906	NoCal	0.081	#
12) Z	n-Decane	7.152	7.163	1446	805	0.210	NoCal	#
13) Z	n-Butylcy...	7.820	7.819	586	608	0.080	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	61877	0	8.680	N.D.	#
15) ZM	1,2,4-Tri...	7.713	7.720	1094	1824	NoCal	0.155	#
16) XH	C9-C10 AR...	10.410	8.424	1	68521	NoCal	5.809	#
17) TM	Naphthalene	10.241	10.248	1927	2064	NoCal	0.203	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

JG 23/10

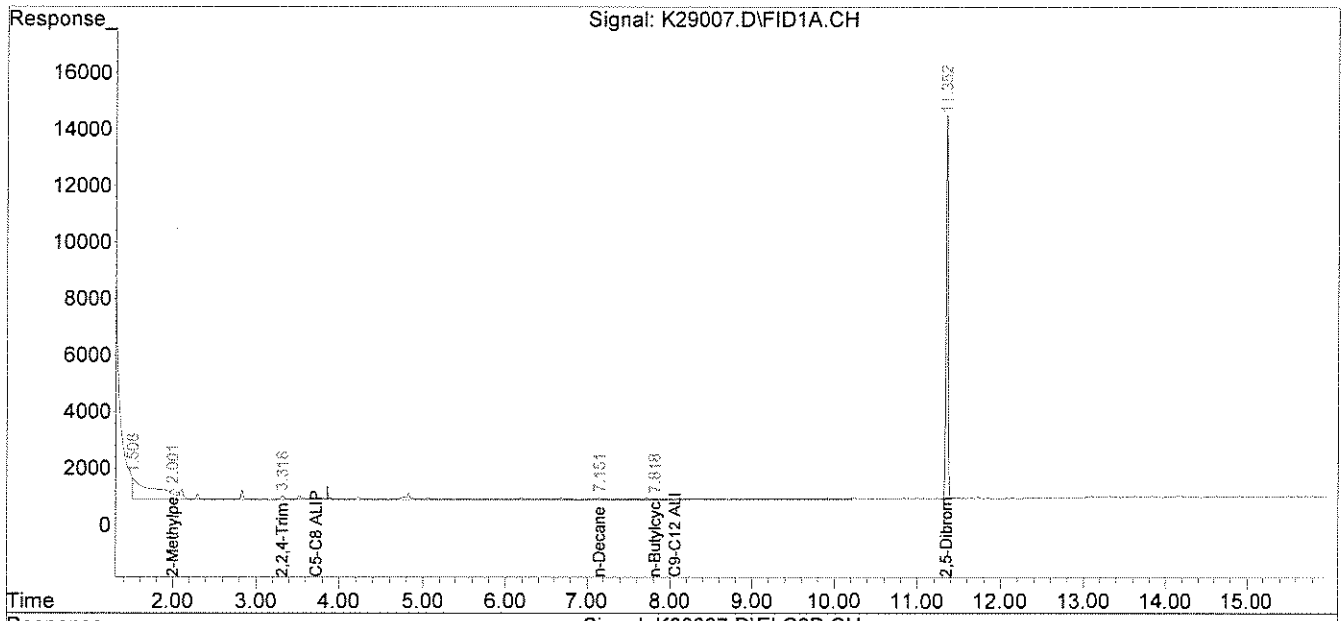
Quantitation Report (Not Reviewed)

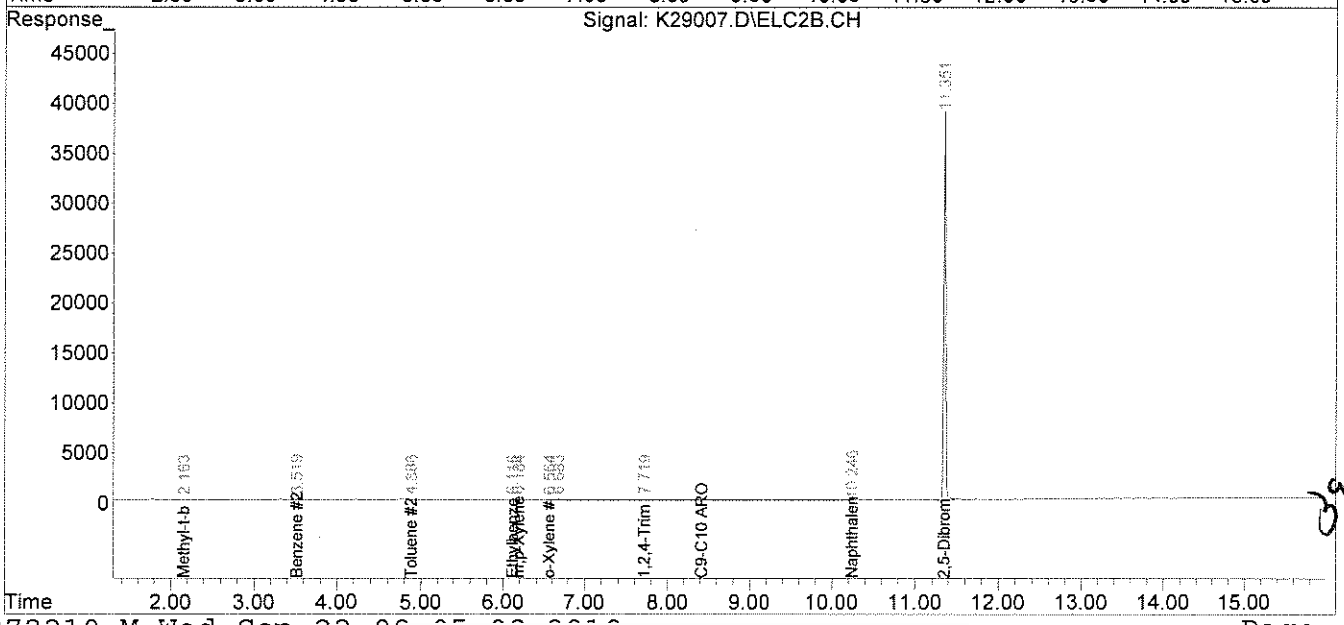
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29007.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 12:52 pm
Operator : JJL
Sample : 67833-6
Misc : 100,8.50,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:04:43 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJ 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





09.23.10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-07

SAMPLE DATA

Lab Sample ID: 67833-7
Matrix: Solid
Percent Solid: 88
Dilution Factor: 62
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3100	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3100	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	250	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3100	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3100	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	620	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				80
Surrogate % Recovery (2,5-Dibromotoluene) FID				74
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67833-7**
Data File Name	K29008.D
Date Acquired	9/21/2010 13:17
Misc Info	100,12.23,SOIL,,12 ML FV,,JJL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	12.23
Vol. MeOH (mL)	**12.00**
% Solid (divided by 100)	**0.8803**
% Moisture (divided by 100)	0.1197
Vol. entrained water (mL)	1.4639
Total MeOH/water vol (mL)	13.4639
Dilution Factor	55.73
Moisture Corrected Dilution Factor	62.53

88 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3126	
Unadjusted C9-C12 Aliphatics	U		3126	
Benzene	U		125	
Ethylbenzene	U		125	
Methyl-t-butylether	U		125	
Naphthalene	U		125	ND
Toluene	U		125	
m,p-Xylenes	U		250	
o-Xylene	U		125	
C5-C8 Aliphatic Hydrocarbons	U		3126	
C9-C12 Aliphatic Hydrocarbons	U		3126	
C9-C10 Aromatic Hydrocarbons	U		625	
PID Surrogate % Recovery	80%		70-130%	PASS
FID Surrogate % Recovery	74%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	27.01	0.00	197840						0
C9-C12 ALIPHATICS	9.28	0.00	66141						0
2,5-Dibromotoluene	66.13		194519						
PID RESULTS									
Methyl-t-butylether #2	0.06	0.00	258	2.189	2.183	0.0477	OK	0.00	0
Benzene #2	0.22	0.00	2867	3.524	3.512	0.0380	OK	0.00	0
Toluene #2	0.26	0.00	3086	4.882	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.09	0.00	1023	6.125	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.23	0.00	2908	6.188	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.35	0.00	3889	6.563	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.69	0.00	7059	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	7.46	0.00	87969						0
2,5-Dibromotoluene #2	71.42		563687						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

J9230

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29008.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 1:17 pm
Operator : JJL
Sample : 67833-7
Misc : 100,12.23,SOIL,,12 ML FV,,JJL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:06:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.353	11.353	194519	563687	66.133	71.417	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	66.13%#	71.42%
		Target Compounds							
2)	Z	2-Methylp...	2.002	1.995	9104	1645	1.112	NoCal	#
3)	TM	Methyl-t-...	2.174	2.189	89	258	NoCal	0.055	#
4)	Z	2,2,4-Tri...	3.319	3.320	4164	4214	0.540	NoCal	#
5)	TM	Benzene	3.523	3.524	3110	2867	NoCal	0.220	#
6)	TM	Toluene	4.880	4.882	1224	3086	NoCal	0.259	#
7)	XH	C5-C8 ALI...	3.717	0.000	197840	0	27.010	N.D.	#
9)	TM	Ethylbenzene	6.116	6.125	844	1023	NoCal	0.094	#
10)	TM	m,p-Xylene	6.188	6.188	1262	2908	NoCal	0.232	#
11)	TM	o-Xylene	6.559	6.563	1736	3889	NoCal	0.348	#
12)	Z	n-Decane	7.152	7.170	2135	1272	0.310	NoCal	#
13)	Z	n-Butylcy...	7.822	7.797	750	3172	0.102	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	66141	0	9.278	N.D.	#
15)	ZM	1,2,4-Tri...	7.714	7.711	1474	3126	NoCal	0.265	#
16)	XH	C9-C10 AR...	10.410	8.424	22	87969	NoCal	7.458	#
17)	TM	Naphthalene	10.244	10.244	5051	7059	NoCal	0.693	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

392300

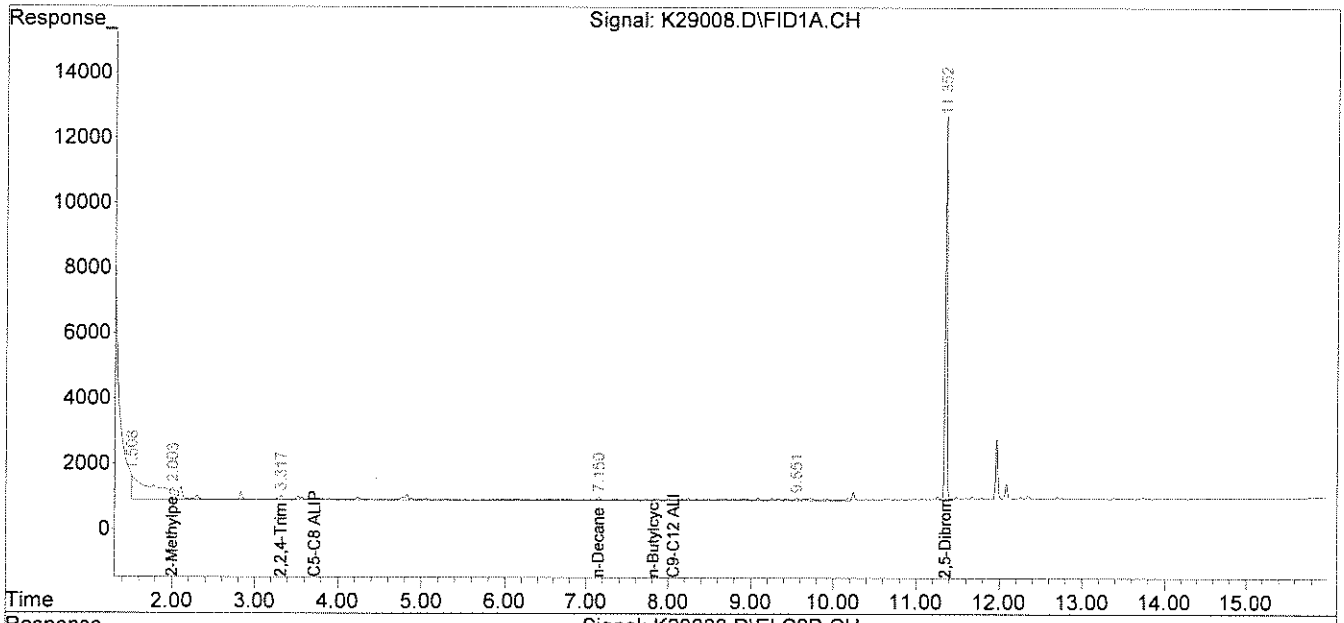
Quantitation Report (QT Reviewed)

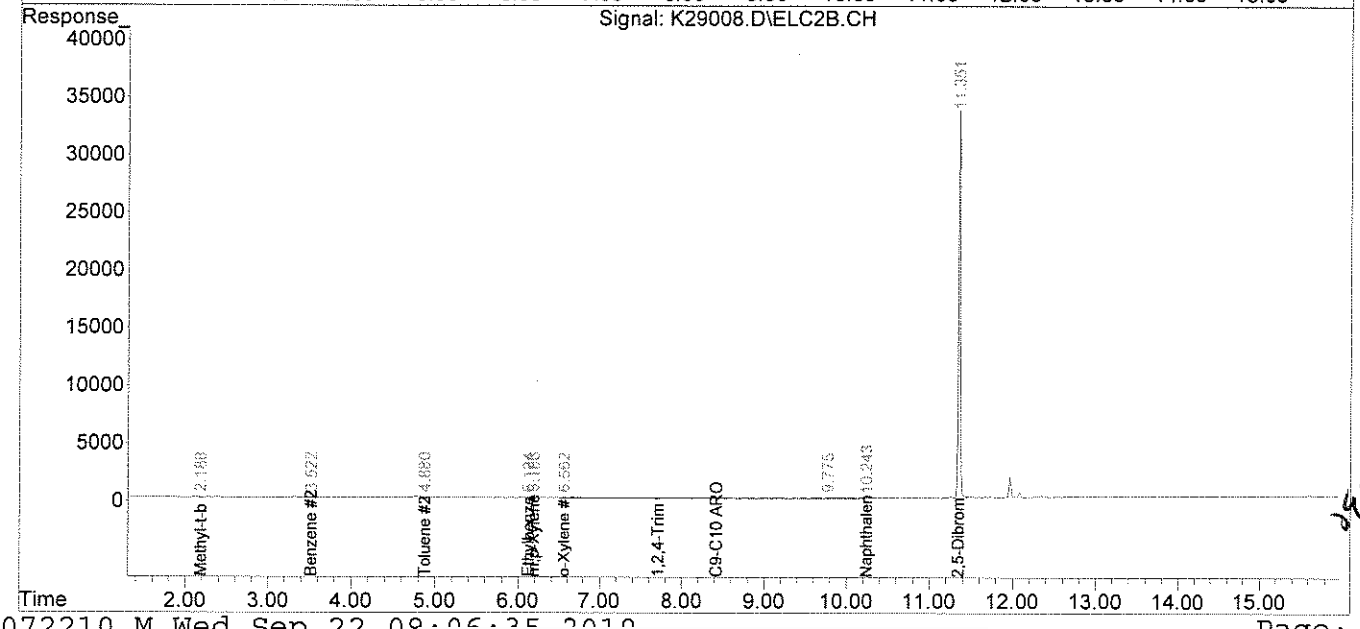
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29008.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 1:17 pm
Operator : JJL
Sample : 67833-7
Misc : 100,12.23,SOIL,,12 ML FV,,JJL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:06:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

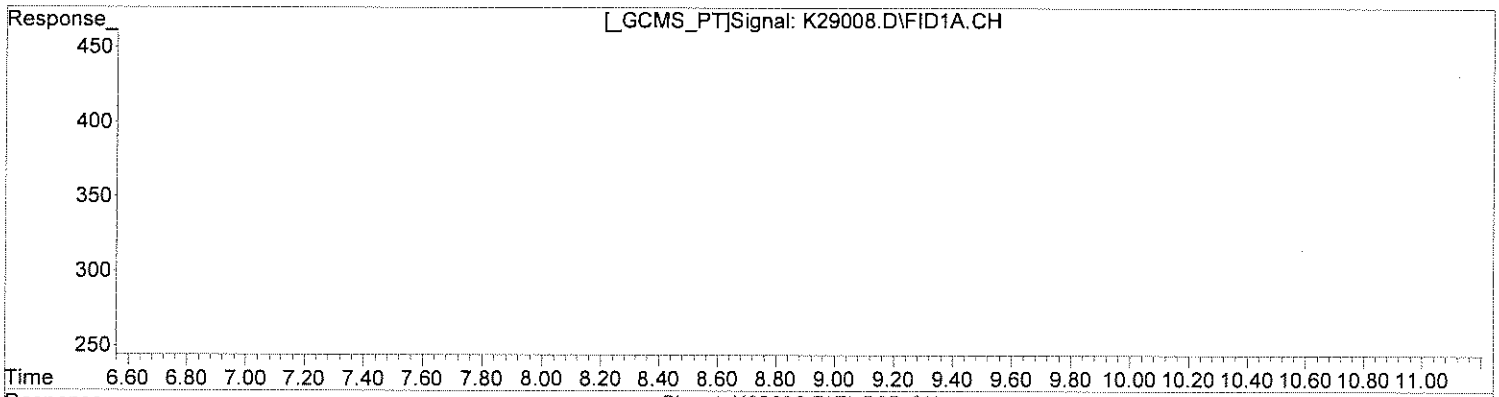
Quantitation Report (Qedit)

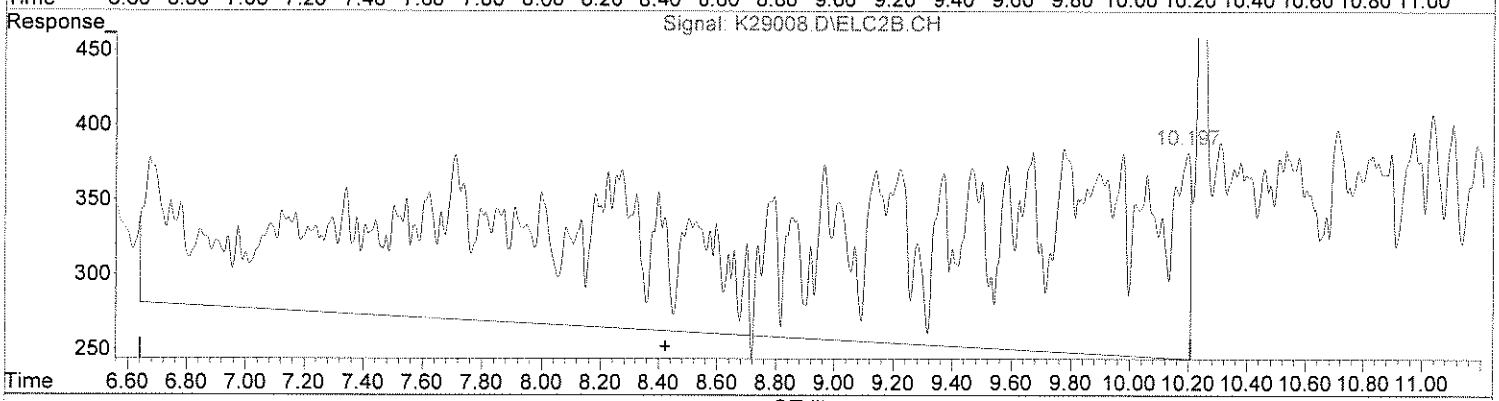
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29008.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 1:17 pm
Operator : JJL
Sample : 67833-7
Misc : 100,12.23,SOIL,,12 ML FV,,JJL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:05:16 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJ 9/22/10
Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 22

(16) C9-C10 AROMATICS #2 (XH)
8.424min 12.589ug/L m
response 148494

5723W

(+) = Expected Retention Time

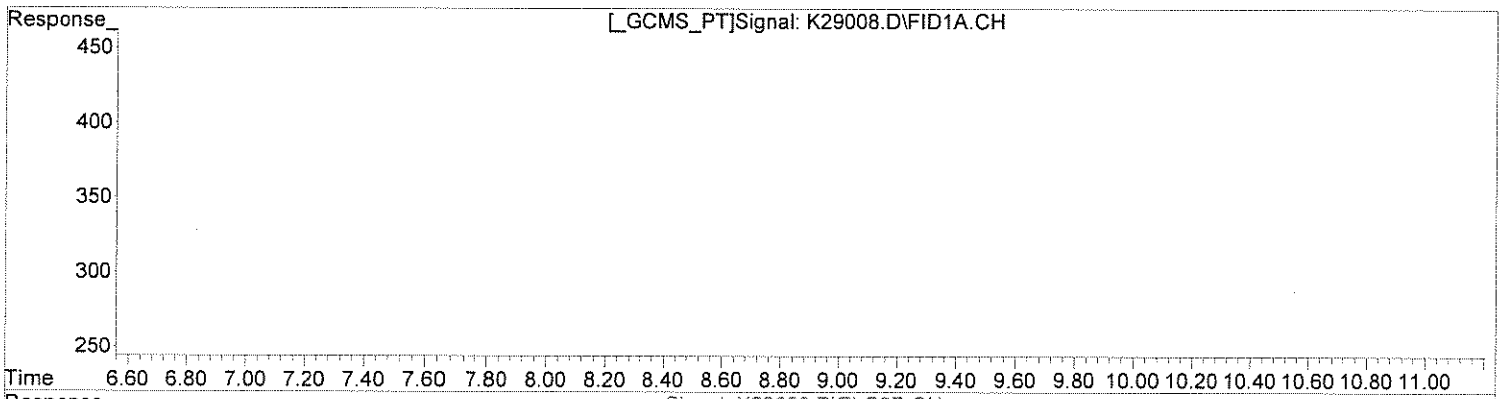
Quantitation Report (Qedit)

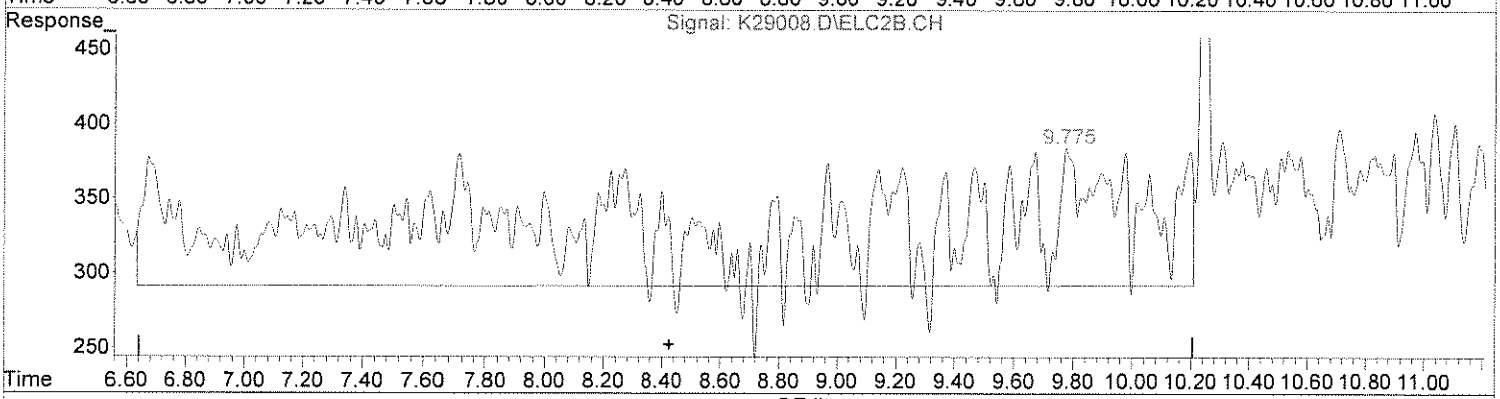
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29008.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 1:17 pm
Operator : JJL
Sample : 67833-7
Misc : 100,12.23,SOIL,,12 ML FV,,JJL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:05:16 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 22

(16) C9-C10 AROMATICS #2 (XH)
8.424min 7.458ug/L m
response 87969

592310

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-08

SAMPLE DATA

Lab Sample ID: 67833-8
Matrix: Solid
Percent Solid: 70
Dilution Factor: 94
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	4700	µg/kg	**10800**
Unadjusted C9-C12 Aliphatics[1]	N/A	4700	µg/kg	**10400**
Benzene	C5-C8	190	µg/kg	U
Ethylbenzene	C9-C12	190	µg/kg	U
Methyl-tert-butyl ether	C5-C8	190	µg/kg	U
Naphthalene	N/A	190	µg/kg	U
Toluene	C5-C8	190	µg/kg	U
m- & p-Xylenes	C9-C12	380	µg/kg	**2600**
o-Xylene	C9-C12	190	µg/kg	**504**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	4700	µg/kg	**10800**
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	4700	µg/kg	**3990 J**
C9-C10 Aromatic Hydrocarbons[1]	N/A	940	µg/kg	**3350**
Surrogate % Recovery (2,5-Dibromotoluene) PID				100
Surrogate % Recovery (2,5-Dibromotoluene) FID				92
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67833-8**
Data File Name	K29009.D
Date Acquired	9/21/2010 13:41
Misc Info	100,9.96,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	9.96
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.6952**
% Moisture (divided by 100)	0.3048
Vol. entrained water (mL)	3.0358
Total MeOH/water vol (mL)	13.0358
Dilution Factor	72.21
Moisture Corrected Dilution Factor	94.13

BS 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	10795		4707	
Unadjusted C9-C12 Aliphatics	10454		4707	
Benzene	U		188	
Ethylbenzene	U		188	
Methyl-t-butylether	U		188	
Naphthalene	U		188	
Toluene	U		188	
m,p-Xylenes	2605		377	
o-Xylene	504		188	
C5-C8 Aliphatic Hydrocarbons	10795		4707	
C9-C12 Aliphatic Hydrocarbons	3995	J	4707	
C9-C10 Aromatic Hydrocarbons	3350		941	
PID Surrogate % Recovery	100%		70-130%	PASS
FID Surrogate % Recovery	92%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	114.68	10795.24	840001						10795
C9-C12 ALIPHATICS	111.05	10453.55	791687						10454
2,5-Dibromotoluene	70.81		208261						
PID RESULTS									
Methyl-t-butylether #2	0.35	0.00	1642	2.172	2.183	0.0477	OK	0.00	0
Benzene #2	0.39	0.00	5020	3.522	3.512	0.0380	OK	0.00	0
Toluene #2	0.38	0.00	4473	4.885	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.80	0.00	8731	6.118	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	27.67	2604.95	347192	6.186	6.190	0.0344	OK	2604.95	2605
o-Xylene #2	5.35	503.80	59868	6.557	6.561	0.0344	OK	503.80	504
Naphthalene #2	1.71	0.00	17427	10.243	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	35.58	3349.66	419756						3350
2,5-Dibromotoluene #2	77.09		608478						

ADJUSTED RESULTS

C5-C8 Aliphatic Hydrocarbons	10795
C9-C12 Aliphatic Hydrocarbons	3995

9-23-10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29009.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 1:41 pm
Operator : JJL
Sample : 67833-8
Misc : 100,9.96,SOIL
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:06:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.353	208261	608478	70.805	77.092	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 70.81% 77.09%							
		Target Compounds							
2)	Z	2-Methylp...	2.005	2.003	13703	1868	1.674	NoCal	#
3)	TM	Methyl-t-...	2.160	2.172	4195	1642	NoCal	0.352	#
4)	Z	2,2,4-Tri...	3.277	3.277	206965	51029	26.820	NoCal	#
5)	TM	Benzene	3.522	3.522	3228	5020	NoCal	0.386	#
6)	TM	Toluene	4.823	4.885	18597	4473	NoCal	0.375	#
7)	XH	C5-C8 ALI...	3.717	0.000	840001	0	114.681	N.D.	#
9)	TM	Ethylbenzene	6.111	6.118	10256	8731	NoCal	0.799	#
10)	TM	m,p-Xylene	6.187	6.186	284774	347192	NoCal	27.673	#
11)	TM	o-Xylene	6.557	6.557	58466	59868	NoCal	5.352	#
12)	Z	n-Decane	7.151	7.151	3961	2998	0.574	NoCal	#
13)	Z	n-Butylcy...	7.813	7.811	3711	4074	0.504	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	791687	0	111.052	N.D.	#
15)	ZM	1,2,4-Tri...	7.715	7.714	83269	91161	NoCal	7.728	#
16)	XH	C9-C10 AR...	10.410	8.424	29	419756	NoCal	35.585	#
17)	TM	Naphthalene	10.244	10.243	12558	17427	NoCal	1.710	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

5/23/10

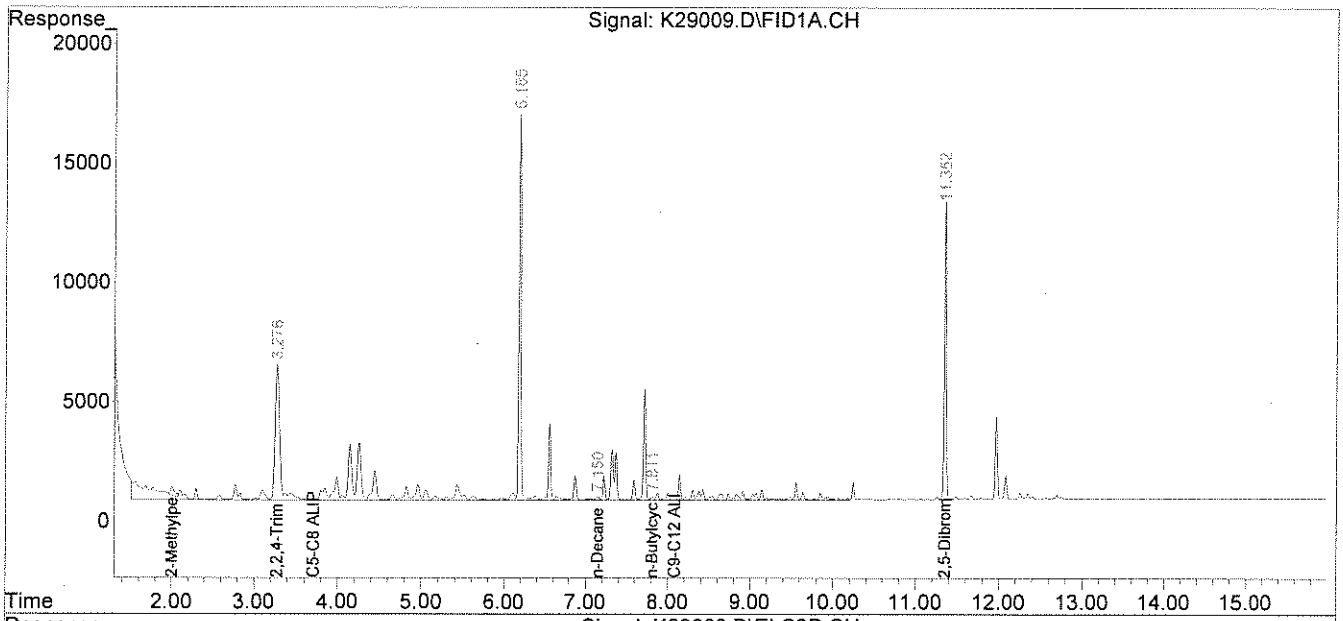
Quantitation Report (Not Reviewed)

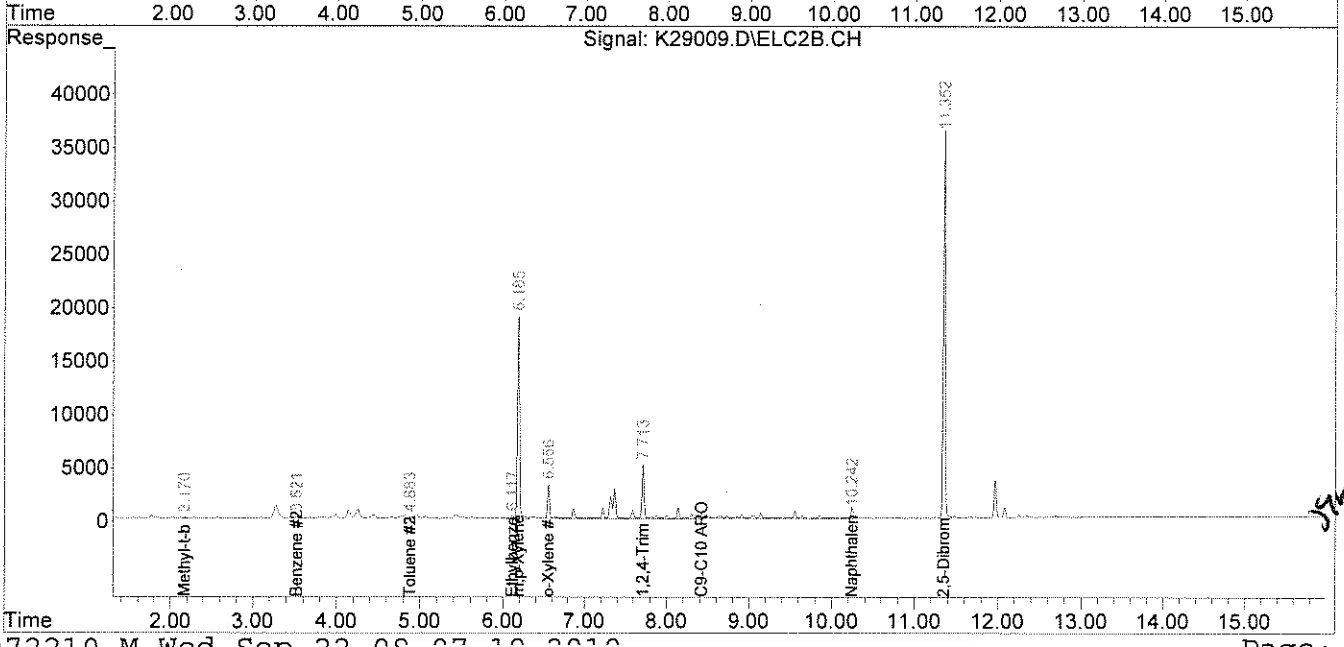
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29009.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 1:41 pm
Operator : JJL
Sample : 67833-8
Misc : 100,9.96,SOIL
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:06:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-09

SAMPLE DATA

Lab Sample ID: 67833-9
Matrix: Solid
Percent Solid: 88
Dilution Factor: 64
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3200	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3200	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3200	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3200	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	640	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				69*
Surrogate % Recovery (2,5-Dibromotoluene) FID				64*
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.
* Surrogate recovery outside of laboratory acceptance criteria.
* Sample was reanalyzed with similar results.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67833-9**
Data File Name	K29010.D
Date Acquired	9/21/2010 14:06
Misc Info	100,10.04,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.04
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.8784**
% Moisture (divided by 100)	0.1216
Vol. entrained water (mL)	1.2209
Total MeOH/water vol (mL)	11.2209
Dilution Factor	56.69
Moisture Corrected Dilution Factor	63.62

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3181	
Unadjusted C9-C12 Aliphatics	U		3181	
Benzene	U		127	
Ethylbenzene	U		127	
Methyl-t-butylether	U		127	
Naphthalene	U		127	ND
Toluene	U		127	
m,p-Xylenes	U		254	
o-Xylene	U		127	
C5-C8 Aliphatic Hydrocarbons	U		3181	
C9-C12 Aliphatic Hydrocarbons	U		3181	
C9-C10 Aromatic Hydrocarbons	U		636	
PID Surrogate % Recovery	69%		70-130%	FAIL
FID Surrogate % Recovery	64%		70-130%	FAIL

9/22/10
RR str.

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	26.97	0.00	197557						0
C9-C12 ALIPHATICS	7.11	0.00	50713						0
2,5-Dibromotoluene	56.93		167444						
PID RESULTS									
Methyl-t-butylether #2	0.12	0.00	573	2.200	2.183	0.0477	OK	0.00	0
Benzene #2	0.38	0.00	4995	3.523	3.512	0.0380	OK	0.00	0
Toluene #2	0.27	0.00	3243	4.888	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.09	0.00	1034	6.116	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.40	0.00	4977	6.188	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.13	0.00	1412	6.567	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.22	0.00	2216	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	5.52	0.00	65162						0
2,5-Dibromotoluene #2	61.52		485550						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

J 92310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29010.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 2:06 pm
Operator : JJL
Sample : 67833-9
Misc : 100,10.04,SOIL
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:07:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.353	11.353	167444	485550	56.928	61.517
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	56.93%# 61.52%#
	Target Compounds						
2) Z	2-Methylp...	2.002	1.997	4219	640	0.516	NoCal #
3) TM	Methyl-t-...	2.201	2.200	109	573	NoCal	0.123 #
4) Z	2,2,4-Tri...	3.320	3.286	2952	880	0.383	NoCal #
5) TM	Benzene	3.523	3.523	2547	4995	NoCal	0.384 #
6) TM	Toluene	4.877	4.888	549	3243	NoCal	0.272 #
7) XH	C5-C8 ALI...	3.717	0.000	197557	0	26.972	N.D. #
9) TM	Ethylbenzene	6.112	6.116	626	1034	NoCal	0.095 #
10) TM	m,p-Xylene	6.187	6.188	2688	4977	NoCal	0.397 #
11) TM	o-Xylene	6.559	6.567	1360	1412	NoCal	0.126 #
12) Z	n-Decane	7.150	7.145	1752	362	0.254	NoCal #
13) Z	n-Butylcy...	7.814	7.821	290	673	0.039	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	50713	0	7.114	N.D. #
15) ZM	1,2,4-Tri...	7.716	7.719	1652	2193	NoCal	0.186 #
16) XH	C9-C10 AR...	10.410	8.424	14	65162	NoCal	5.524 #
17) TM	Naphthalene	10.244	10.244	1778	2216	NoCal	0.217 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J 9/23/10

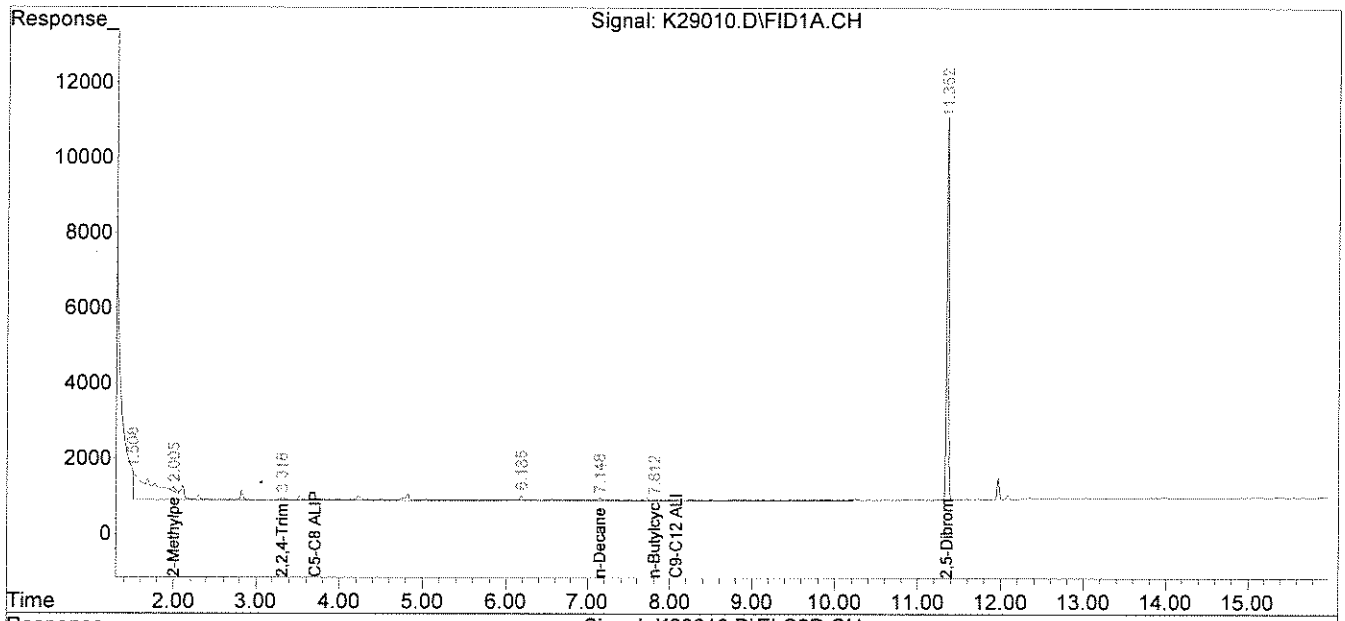
Quantitation Report (Not Reviewed)

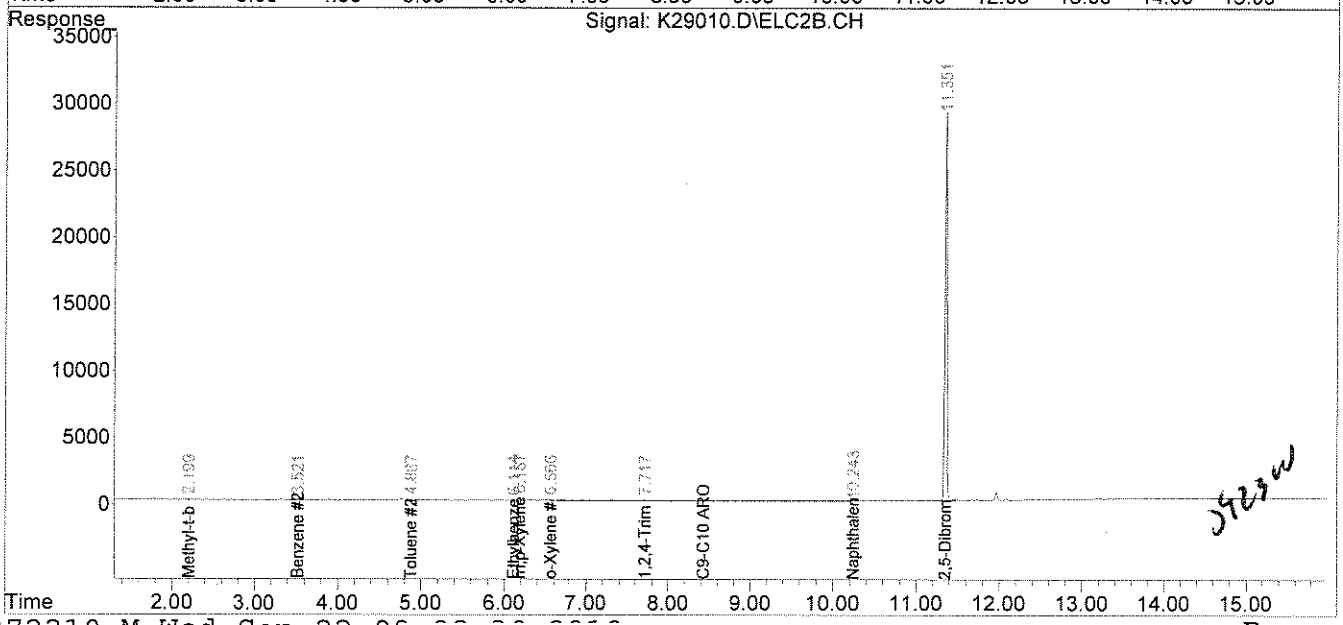
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29010.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 2:06 pm
Operator : JJL
Sample : 67833-9
Misc : 100,10.04,SOIL
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:07:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JJ 23 W

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-09

SAMPLE DATA

Lab Sample ID: 67833-9 RR
Matrix: Solid
Percent Solid: 88
Dilution Factor: 64
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3200	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3200	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3200	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3200	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	640	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				78
Surrogate % Recovery (2,5-Dibromotoluene) FID				69*
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.
* Surrogate recovery outside of laboratory acceptance criteria.
* Sample was reanalyzed with similar results.

Authorized signature: MPullull

VPH SOIL REPORT

Sample Name	**67833-9** RR
Data File Name	K29049.D
Date Acquired	9/22/2010 12:10
Misc Info	100,10.04,SOIL ✓
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.04
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.8784** ✓
% Moisture (divided by 100)	0.1216
Vol. entrained water (mL)	1.2209
Total MeOH/water vol (mL)	11.2209
Dilution Factor	56.69
Moisture Corrected Dilution Factor	63.62

gg 9/23/10
Failure of surrogate confirmed

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3181	
Unadjusted C9-C12 Aliphatics	U		3181	
Benzene	U		127	
Ethylbenzene	U		127	
Methyl-t-butylether	U		127	
Naphthalene	U		127	
Toluene	U		127	ND
m,p-Xylenes	U		254	
o-Xylene	U		127	
C5-C8 Aliphatic Hydrocarbons	U		3181	
C9-C12 Aliphatic Hydrocarbons	U		3181	
C9-C10 Aromatic Hydrocarbons	U		636	
PID Surrogate % Recovery	78%		70-130%	PASS ✓
FID Surrogate % Recovery	69%		70-130%	FAIL

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	28.03 ✓	0.00	205339						0
C9-C12 ALIPHATICS	9.88 ✓	0.00	70401						0
2,5-Dibromotoluene	61.11		179751						
PID RESULTS									
Methyl-t-butylether #2	0.15	0.00	717	2.196	2.183	0.0477	OK	0.00	0
Benzene #2	0.39	0.00	5017	3.519	3.512	0.0380	OK	0.00	0
Toluene #2	0.27	0.00	3211	4.883	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.21	0.00	2264	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.44	0.00	5522	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.33	0.00	3642	6.557	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.60	0.00	6094	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	7.83 ✓	0.00	92403						0
2,5-Dibromotoluene #2	69.40		547741						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

9-23-10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29049.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 12:10 pm
Operator : JJL
Sample : 67833-9 ,ER
Misc : 100,10.04,SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 08:59:16 2010 9/23/10
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
System Monitoring Compounds									
18)	S	2,5-Dibro...	11.353	11.352	179751	547741	61.112	69.396	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	61.11%#	69.40%#
Target Compounds									
2)	Z	2-Methylp...	2.003	2.029	6012	1291	0.735	NoCal	#
3)	TM	Methyl-t-...	0.000	2.196	0	717	N.D.	0.154	#
4)	Z	2,2,4-Tri...	3.318	3.280	3688	1781	0.478	NoCal	#
5)	TM	Benzene	3.520	3.519	4343	5017	NoCal	0.386	#
6)	TM	Toluene	4.878	4.883	2216	3211	NoCal	0.269	#
7)	XH	C5-C8 ALI...	3.717	0.000	205339	0	28.034	N.D.	#
9)	TM	Ethylbenzene	6.121	6.121	3316	2264	NoCal	0.207	#
10)	TM	m,p-Xylene	6.186	6.187	3913	5522	NoCal	0.440	#
11)	TM	o-Xylene	6.560	6.557	2469	3642	NoCal	0.326	#
12)	Z	n-Decane	7.150	7.150	5016	2091	0.727	NoCal	#
13)	Z	n-Butylcy...	7.820	7.819	1881	2505	0.255	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	70401	0	9.875	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.714	3408	3972	NoCal	0.337	#
16)	XH	C9-C10 AR...	10.410	8.424	19	92403	NoCal	7.833	#
17)	TM	Naphthalene	10.243	10.244	3575	6094	NoCal	0.598	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

92310

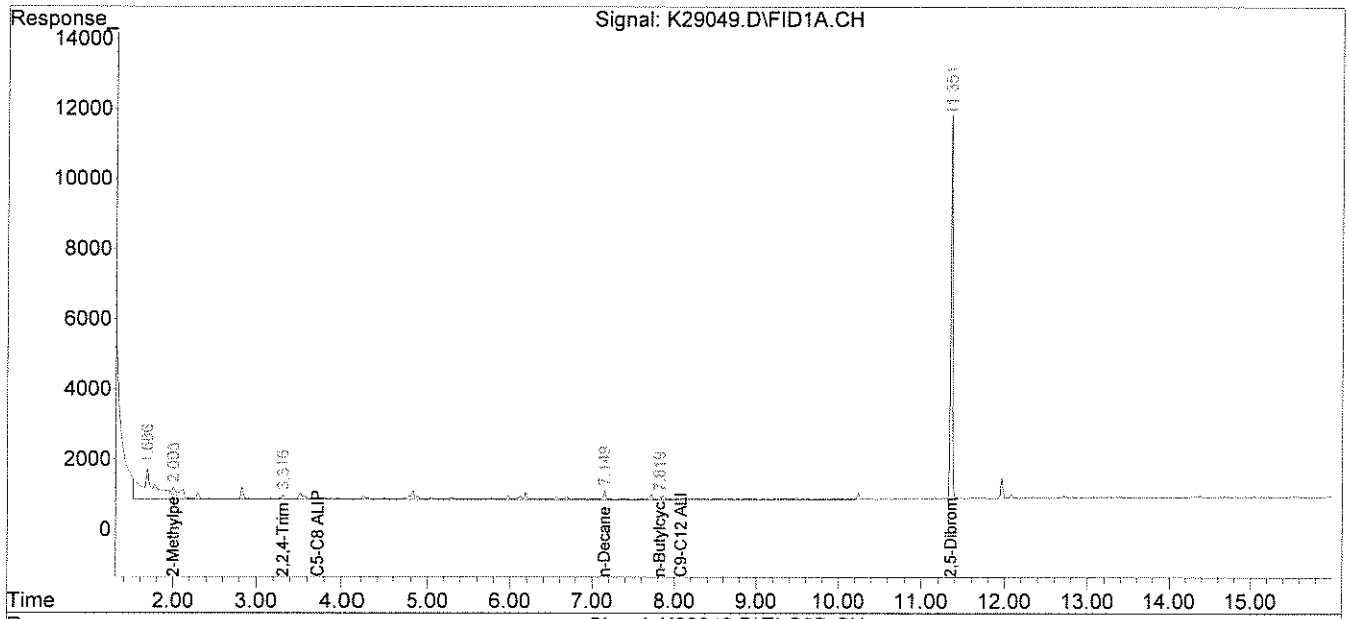
Quantitation Report (Not Reviewed)

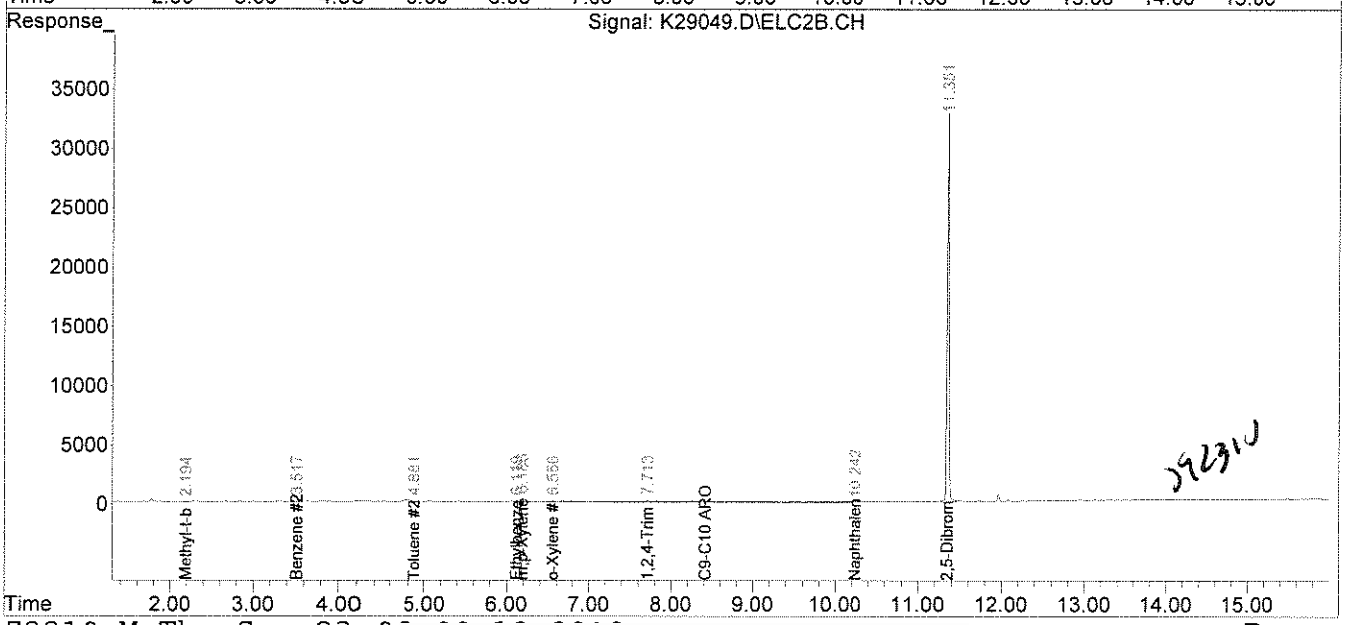
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29049.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 12:10 pm
Operator : JJL
Sample : 67833-9 12R
Misc : 100,10.04,SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 08:59:16 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





92310

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-10

SAMPLE DATA

Lab Sample ID: 67833-10
Matrix: Solid
Percent Solid: 84
Dilution Factor: 66
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3300	µg/kg	**8530**
Unadjusted C9-C12 Aliphatics[1]	N/A	3300	µg/kg	**16400**
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	**432**
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	**102 J**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3300	µg/kg	**8530**
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3300	µg/kg	**10000**
C9-C10 Aromatic Hydrocarbons[1]	N/A	660	µg/kg	**5790**
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				84
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VPH SOIL REPORT

Sample Name	**67833-10**
Data File Name	K29011.D
Date Acquired	9/21/2010 14:30
Misc Info	100,10.50,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.50
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.8395**
% Moisture (divided by 100)	0.1605
Vol. entrained water (mL)	1.6853
Total MeOH/water vol (mL)	11.6853
Dilution Factor	56.72
Moisture Corrected Dilution Factor	66.28

88 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	8530		3314	
Unadjusted C9-C12 Aliphatics	16384		3314	
Benzene	U		133	
Ethylbenzene	432		133	
Methyl-t-butylether	U		133	
Naphthalene	U		133	
Toluene	U		133	
m,p-Xylenes	U		265	
o-Xylene	102	J	133	
C5-C8 Aliphatic Hydrocarbons	8530		3314	
C9-C12 Aliphatic Hydrocarbons	10055		3314	
C9-C10 Aromatic Hydrocarbons	5795		663	
PID Surrogate % Recovery	88%		70-130%	PASS
FID Surrogate % Recovery	84%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	128.69	8529.76	942596						8530
C9-C12 ALIPHATICS	247.19	16384.13	1762194						16384
2,5-Dibromotoluene	72.26		212549						
PID RESULTS									
Methyl-t-butylether #2	0.18	0.00	820	2.163	2.183	0.0477	OK	0.00	0
Benzene #2	0.35	0.00	4604	3.522	3.512	0.0380	OK	0.00	0
Toluene #2	2.31	153.29	27580	4.817	4.883	0.0344	*	0.00	0
Ethylbenzene #2	6.52	431.93	71202	6.101	6.124	0.0344	OK	431.93	432
m,p-Xylene #2	0.77	0.00	9707	6.184	6.190	0.0344	OK	0.00	0
o-Xylene #2	1.54	102.29	17263	6.566	6.561	0.0344	OK	102.29	102
Naphthalene #2	1.99	0.00	20281	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	87.43	5794.84	1031283						5795
2,5-Dibromotoluene #2	75.20		593545						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									8530
C9-C12 Aliphatic Hydrocarbons									10055

923

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29011.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 2:30 pm
Operator : JJL
Sample : 67833-10
Misc : 100,10.50,SOIL
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:10:12 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJ 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18)	S 2,5-Dibro...	11.354	11.353	212549	593545	72.263	75.200	
	Spiked Amount 100.000 Range 70 - 130 Recovery = 72.26% 75.20%							
	Target Compounds							
2)	Z 2-Methylp...	2.002	2.027	7973	609	0.974	NoCal	#
3)	TM Methyl-t-...	0.000	2.163	0	820	N.D.	0.176	#
4)	Z 2,2,4-Tri...	3.316	3.322	5928	7702	0.768	NoCal	#
5)	TM Benzene	3.522	3.522	3928	4604	NoCal	0.354	#
6)	TM Toluene	4.819	4.817	39533	27580	NoCal	2.313	#
7)	XH C5-C8 ALI...	3.717	0.000	942596	0	128.688	N.D.	#
9)	TM Ethylbenzene	6.100	6.101	120022	71202	NoCal	6.517	#
10)	TM m,p-Xylene	6.175	6.184	15254	9707	NoCal	0.774	#
11)	TM o-Xylene	6.566	6.566	25982	17263	NoCal	1.543	#
12)	Z n-Decane	7.164	7.159	40076	22439	5.811	NoCal	#
13)	Z n-Butylcy...	7.813	7.813	27402	19470	3.722	NoCal	#
14)	XH C9-C12 AL...	10.120f	0.000	1762194	0	247.187	N.D.	#
15)	ZM 1,2,4-Tri...	7.716	7.715	35721	28150	NoCal	2.386	#
16)	XH C9-C10 AR...	10.410	8.424	197	1031283	NoCal	87.427	#
17)	TM Naphthalene	10.244	10.244	17296	20281	NoCal	1.990	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

>72300

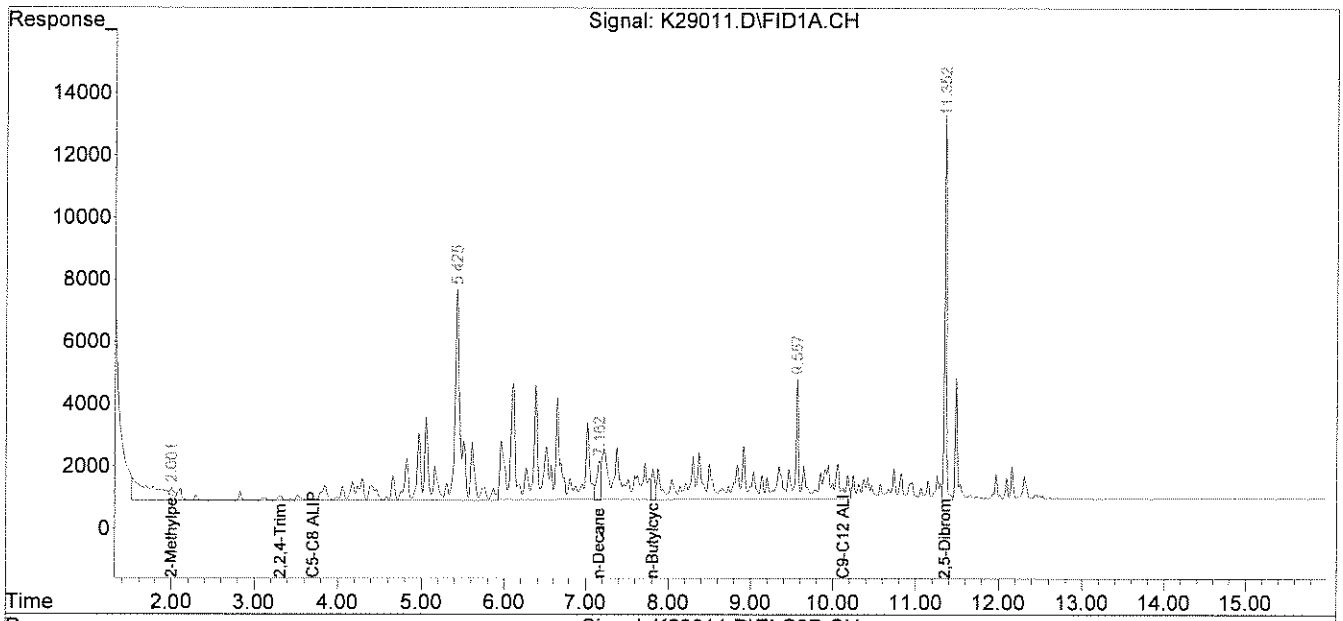
Quantitation Report (QT Reviewed)

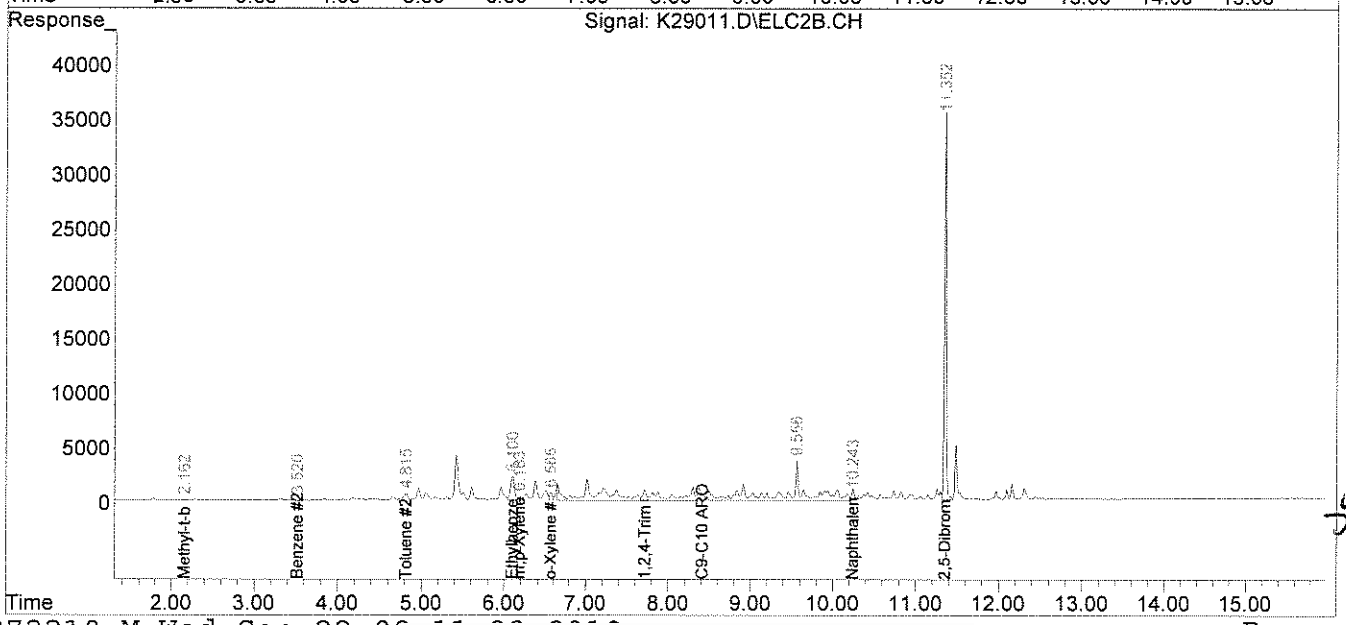
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29011.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 2:30 pm
Operator : JJL
Sample : 67833-10
Misc : 100,10.50,SOIL
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:10:12 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





392300

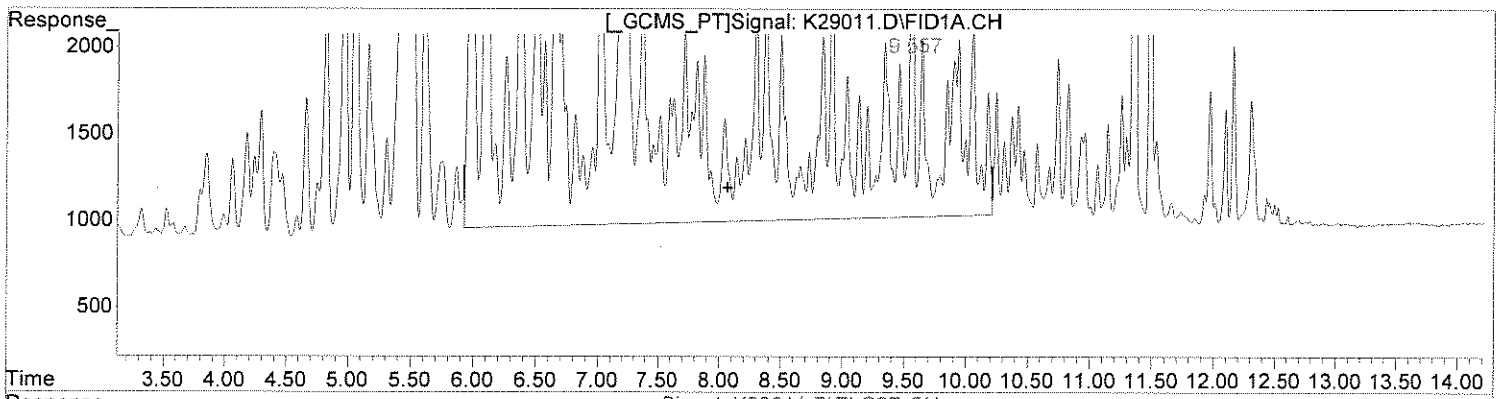
Quantitation Report (Qedit)

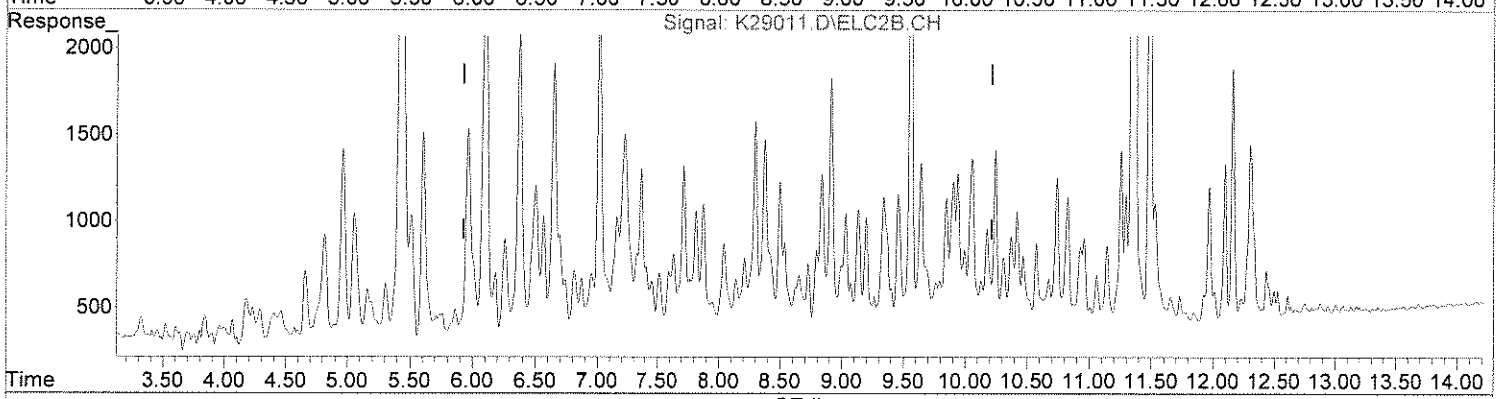
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29011.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 2:30 pm
Operator : JJL
Sample : 67833-10
Misc : 100,10.50,SOIL
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:08:38 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 9/22/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(14) C9-C12 ALIPHATICS (XH)
8.070min 232.477ug/L m
response 1657324

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

392310

(+) = Expected Retention Time

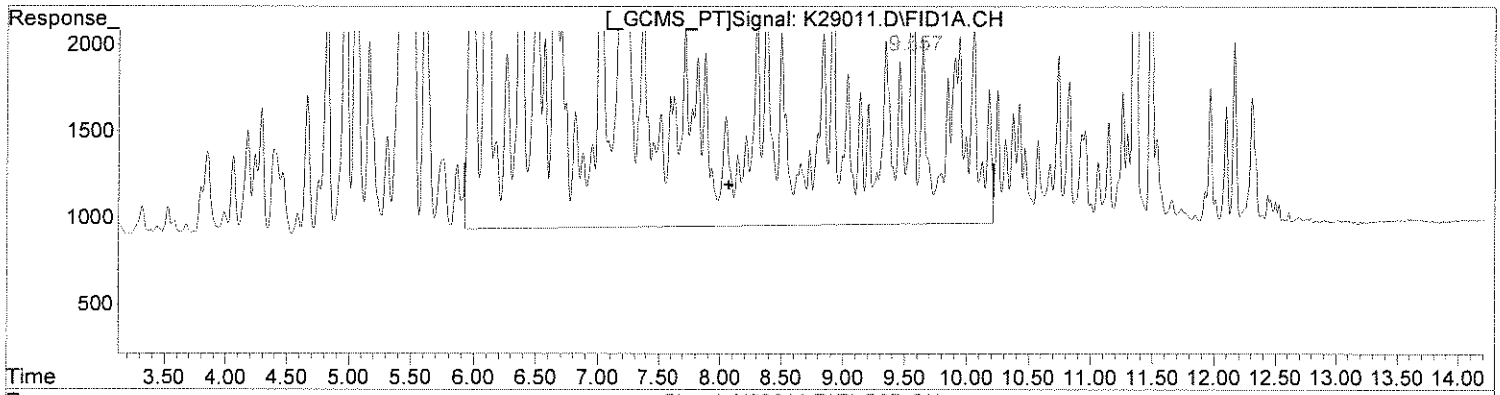
Quantitation Report (Qedit)

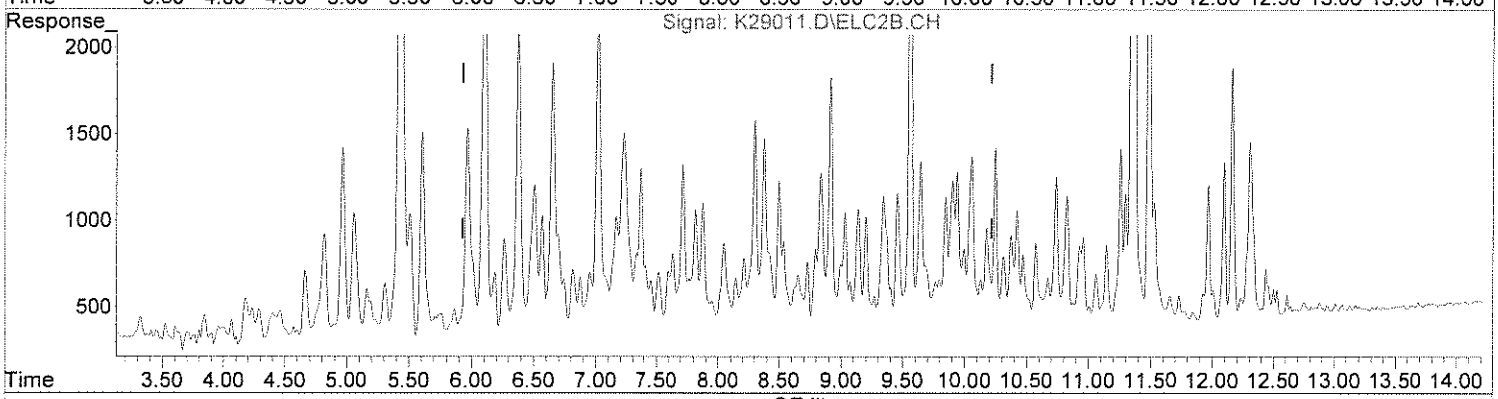
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29011.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 2:30 pm
Operator : JJL
Sample : 67833-10
Misc : 100,10.50,SOIL
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:08:38 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(14) C9-C12 ALIPHATICS (XH)
10.120min 247.187ug/L m
response 1762194

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

9/22/10

(+) = Expected Retention Time

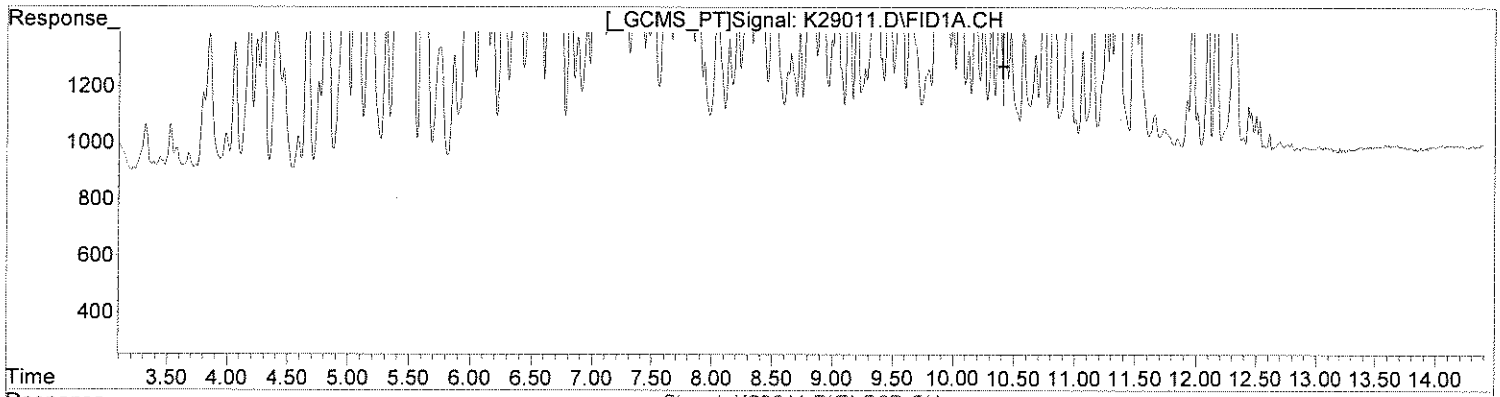
Quantitation Report (Qedit)

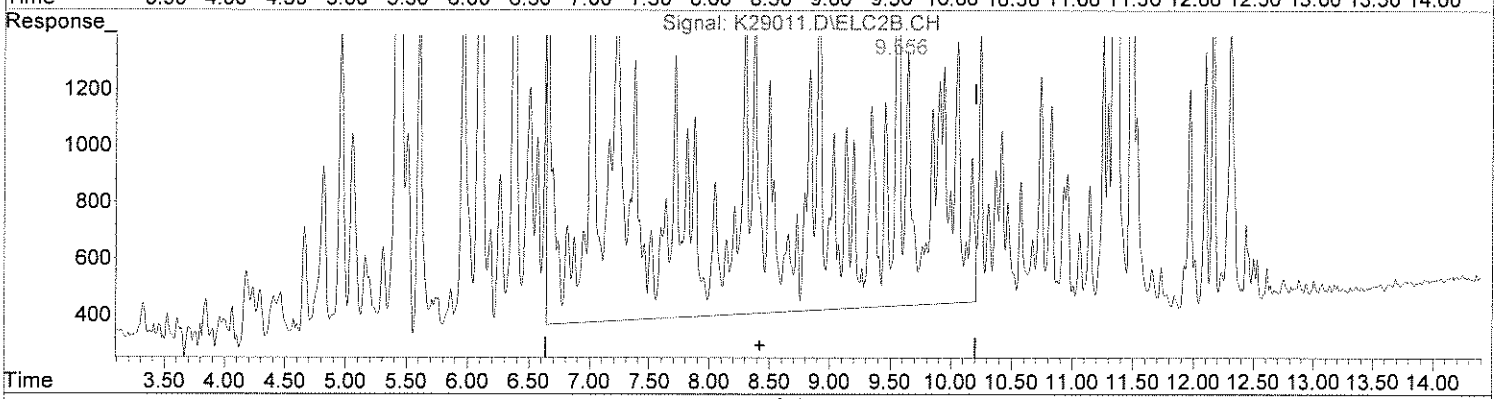
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29011.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 2:30 pm
Operator : JJL
Sample : 67833-10
Misc : 100,10.50,SOIL
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:08:38 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJS 9/22/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 197

(16) C9-C10 AROMATICS #2 (XH)
8.424min 73.153ug/L m
response 862915

592360

(+) = Expected Retention Time

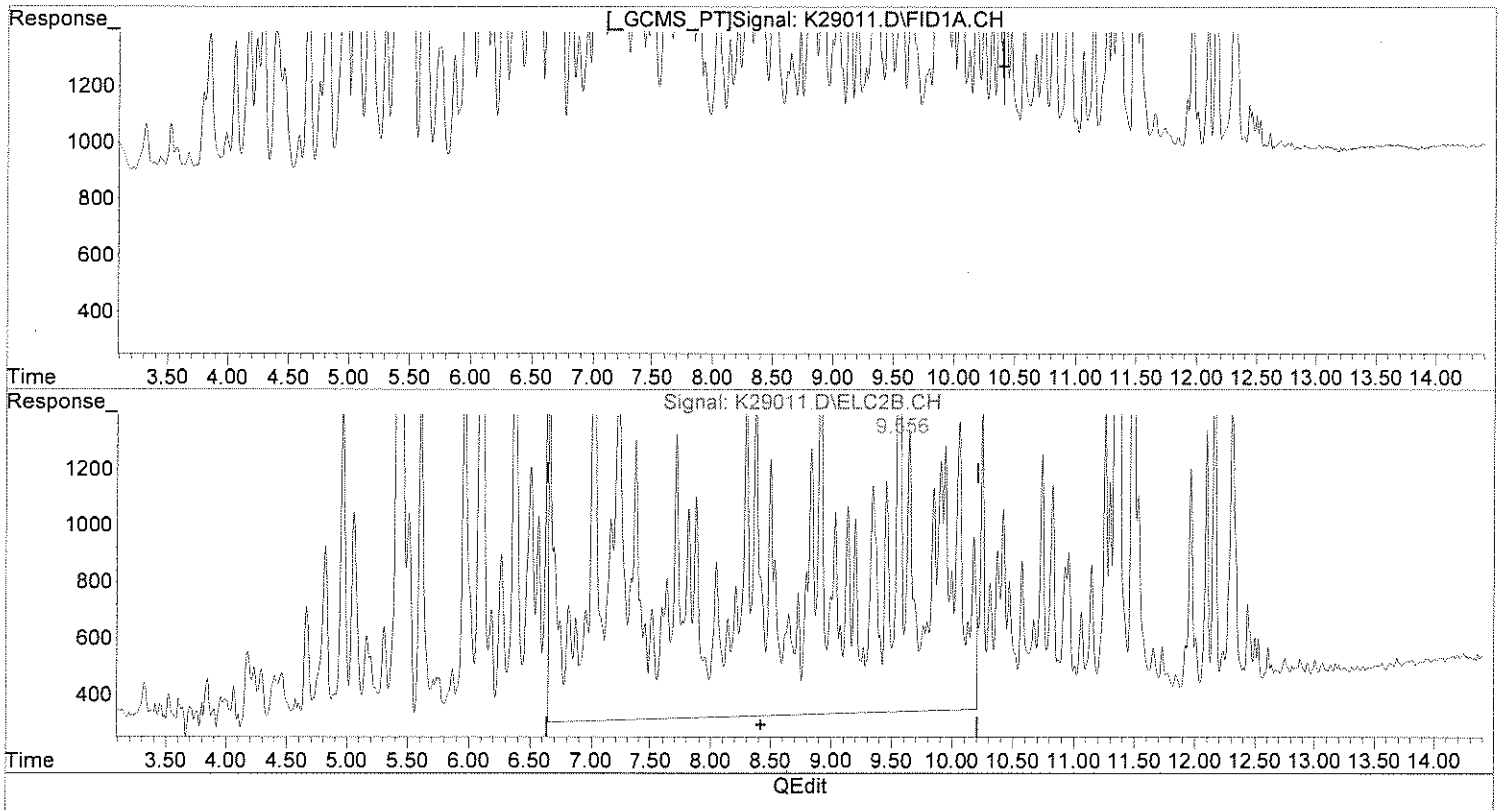
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29011.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 2:30 pm
Operator : JJL
Sample : 67833-10
Misc : 100,10.50,SOIL
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:08:38 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJS 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 197

(16) C9-C10 AROMATICS #2 (XH)
8.424min 87.427ug/L m
response 1031283

JJ 9/23/10

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-11

SAMPLE DATA

Lab Sample ID: 67833-11
Matrix: Solid
Percent Solid: 90
Dilution Factor: 77
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3850	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3850	µg/kg	**2570 J**
Benzene	C5-C8	150	µg/kg	U
Ethylbenzene	C9-C12	150	µg/kg	**97 J**
Methyl-tert-butyl ether	C5-C8	150	µg/kg	U
Naphthalene	N/A	150	µg/kg	U
Toluene	C5-C8	150	µg/kg	U
m- & p-Xylenes	C9-C12	310	µg/kg	U
o-Xylene	C9-C12	150	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3850	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3850	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	770	µg/kg	**1230**
Surrogate % Recovery (2,5-Dibromotoluene) PID				79
Surrogate % Recovery (2,5-Dibromotoluene) FID				73
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: Mark Lebell

VPH SOIL REPORT

Sample Name	**67833-11**
Data File Name	K29050.D
Date Acquired	9/22/2010 12:36
Misc Info	100,7.74,SOIL ✓
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	7.74
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.8984** ✓
% Moisture (divided by 100)	0.1016
Vol. entrained water (mL)	0.7864
Total MeOH/water vol (mL)	10.7864
Dilution Factor	71.91
Moisture Corrected Dilution Factor	77.56

gg 9/23/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3878	
Unadjusted C9-C12 Aliphatics	2575	J	3878	
Benzene	U		155	
Ethylbenzene	97	J	155	
Methyl-t-butylether	U		155	
Naphthalene	U		155	
Toluene	U		155	
m,p-Xylenes	U		310	
o-Xylene	U		155	
C5-C8 Aliphatic Hydrocarbons	U		3878	
C9-C12 Aliphatic Hydrocarbons	U		3878	
C9-C10 Aromatic Hydrocarbons	1231		776	
PID Surrogate % Recovery	79%		70-130%	PASS ✓
FID Surrogate % Recovery	73%		70-130%	PASS ✓

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	44.62 ✓	0.00	326819						0
C9-C12 ALIPHATICS	33.19 ✓	2574.54	236642						2575
2,5-Dibromotoluene	67.51		198560						
PID RESULTS									
Methyl-t-butylether #2	0.12	0.00	572	2.170	2.183	0.0477	OK	0.00	0
Benzene #2	0.45	0.00	5879	3.523	3.512	0.0380	OK	0.00	0
Toluene #2	1.42	110.37	16970	4.821	4.883	0.0344	*	0.00	0
Ethylbenzene #2	1.25	96.85	13643	6.108	6.124	0.0344	OK	96.85	97
m,p-Xylene #2	0.41	0.00	5123	6.186	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.36	0.00	4046	6.557	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.45	0.00	4543	10.241	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	15.87 ✓	1231.22	187256						1231
2,5-Dibromotoluene #2	73.60		580905						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									1246

9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29050.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 12:36 pm
Operator : JJL
Sample : 67833-11
Misc : 100,7.74,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:00:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.353	11.352	198560	580905	67.507	73.598	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	67.51%#	73.60%
		Target Compounds							
2)	Z	2-Methylp...	2.003	1.999	10264	1117	1.254	NoCal	#
3)	TM	Methyl-t-...	0.000	2.170	0	572	N.D.	0.123	#
4)	Z	2,2,4-Tri...	3.317	3.318	5612	5651	0.727	NoCal	#
5)	TM	Benzene	3.521	3.523	4360	5879	NoCal	0.452	#
6)	TM	Toluene	4.823	4.821	20433	16970	NoCal	1.423	#
7)	XH	C5-C8 ALI...	3.717	0.000	326819	0	44.619	N.D.	#
9)	TM	Ethylbenzene	6.105	6.108	12410	13643	NoCal	1.249	#
10)	TM	m,p-Xylene	6.185	6.186	2941	5123	NoCal	0.408	#
11)	TM	o-Xylene	6.559	6.557	3391	4046	NoCal	0.362	#
12)	Z	n-Decane	7.150	7.140	6594	5126	0.956	NoCal	#
13)	Z	n-Butylcy...	7.816	7.815	4591	4022	0.624	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	236642	0	33.194	N.D.	#
15)	ZM	1,2,4-Tri...	7.706	7.716	4708	4365	NoCal	0.370	#
16)	XH	C9-C10 AR...	10.410	8.424	157	187256	NoCal	15.875	#
17)	TM	Naphthalene	10.242	10.241	3395	4543	NoCal	0.446	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

572310

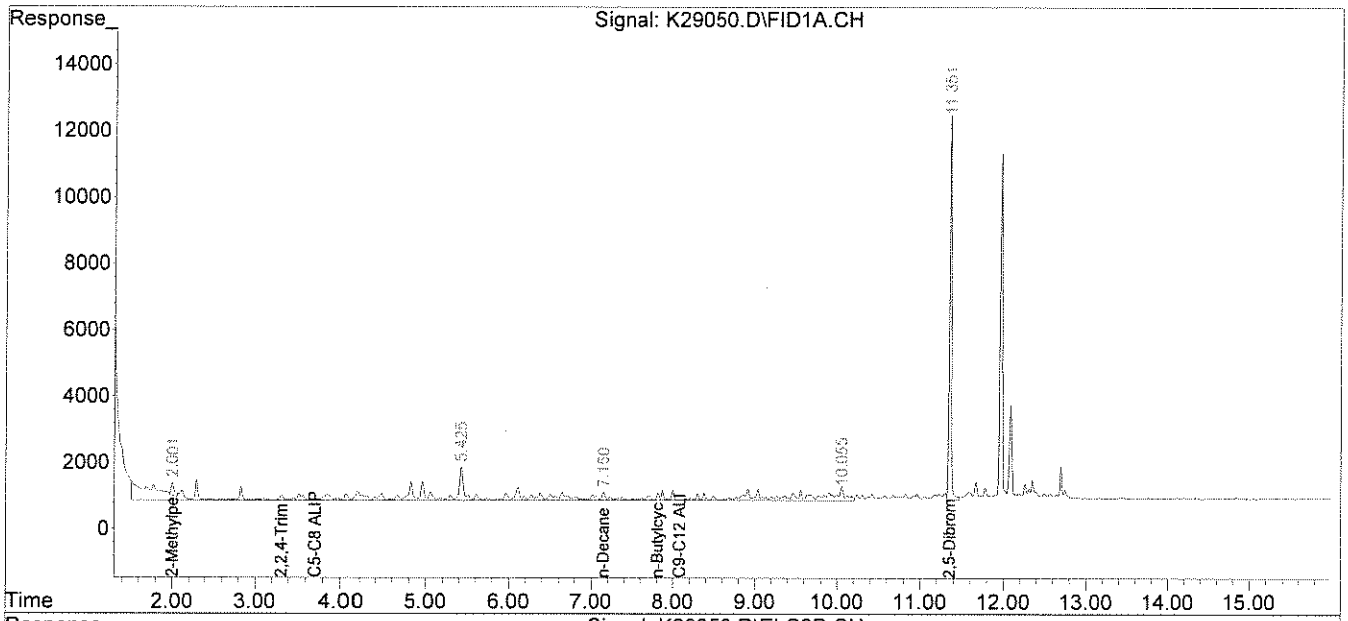
Quantitation Report (Not Reviewed)

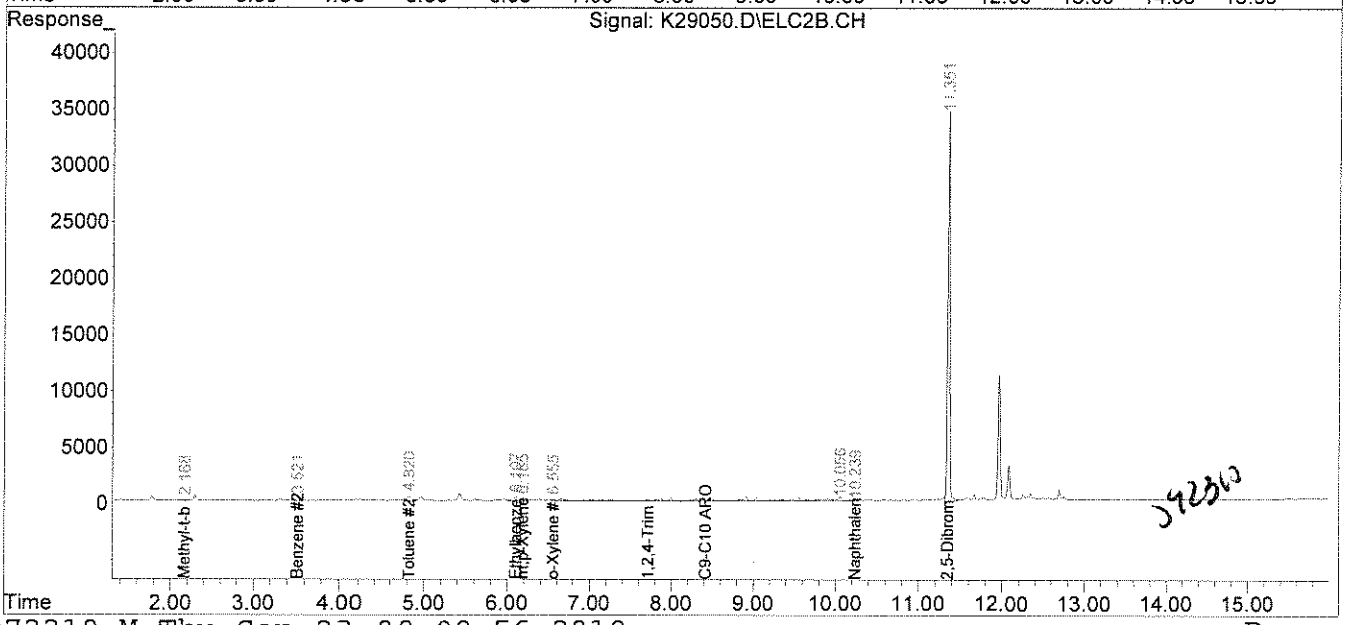
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29050.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 12:36 pm
Operator : JJL
Sample : 67833-11
Misc : 100,7.74,SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:00:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J92310

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-12

SAMPLE DATA

Lab Sample ID: 67833-12
Matrix: Solid
Percent Solid: 88
Dilution Factor: 68
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3400	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3400	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	270	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3400	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3400	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	680	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				83
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VPH SOIL REPORT

Sample Name	**67833-12**
Data File Name	K29013.D
Date Acquired	9/21/2010 15:20
Misc Info	100,9.36,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	9.36
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.8780**
% Moisture (divided by 100)	0.1220
Vol. entrained water (mL)	1.1419
Total MeOH/water vol (mL)	11.1419
Dilution Factor	60.84
Moisture Corrected Dilution Factor	67.79

88 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3389	
Unadjusted C9-C12 Aliphatics	U		3389	
Benzene	U		136	
Ethylbenzene	U		136	
Methyl-t-butylether	U		136	
Naphthalene	U		136	ND
Toluene	U		136	
m,p-Xylenes	U		271	
o-Xylene	U		136	
C5-C8 Aliphatic Hydrocarbons	U		3389	
C9-C12 Aliphatic Hydrocarbons	U		3389	
C9-C10 Aromatic Hydrocarbons	U		678	
PID Surrogate % Recovery	88%		70-130%	PASS
FID Surrogate % Recovery	83%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	30.20	0.00	221214						0
C9-C12 ALIPHATICS	22.91	0.00	163309						0
2,5-Dibromotoluene	74.46		219023						
PID RESULTS									
Methyl-t-butylether #2	0.23	0.00	1087	2.153	2.183	0.0477	OK	0.00	0
Benzene #2	0.19	0.00	2475	3.522	3.512	0.0380	OK	0.00	0
Toluene #2	0.12	0.00	1402	4.878	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.33	0.00	3612	6.104	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.13	0.00	1647	6.190	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.14	0.00	1591	6.561	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.20	0.00	2086	10.243	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	9.43	0.00	111206						0
2,5-Dibromotoluene #2	78.86		622422						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

J92310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29013.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 3:20 pm
Operator : JJL
Sample : 67833-12
Misc : 100,9.36,SOIL
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:13:38 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.353	219023	622422	74.464	78.858	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	74.46%	78.86%
	Target Compounds							
2) Z	2-Methylp...	2.002	2.007	6791	830	0.830	NoCal	#
3) TM	Methyl-t-...	0.000	2.153	0	1087	N.D.	0.233	#
4) Z	2,2,4-Tri...	3.258	3.251	112	144	0.015	NoCal	#
5) TM	Benzene	3.524	3.522	2756	2475	NoCal	0.190	#
6) TM	Toluene	4.881	4.878	1328	1402	NoCal	0.118	#
7) XH	C5-C8 ALI...	3.717	0.000	221214	0	30.201	N.D.	#
9) TM	Ethylbenzene	6.107	6.104	4881	3612	NoCal	0.331	#
10) TM	m,p-Xylene	6.185	6.190	1520	1647	NoCal	0.131	#
11) TM	o-Xylene	6.564	6.561	1221	1591	NoCal	0.142	#
12) Z	n-Decane	7.154	7.160	5061	2450	0.734	NoCal	#
13) Z	n-Butylcy...	7.822	7.821	1894	981	0.257	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	163309	0	22.908	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.717	3526	3888	NoCal	0.330	#
16) XH	C9-C10 AR...	10.410	8.424	116	111206	NoCal	9.427	#
17) TM	Naphthalene	10.242	10.243	1945	2086	NoCal	0.205	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

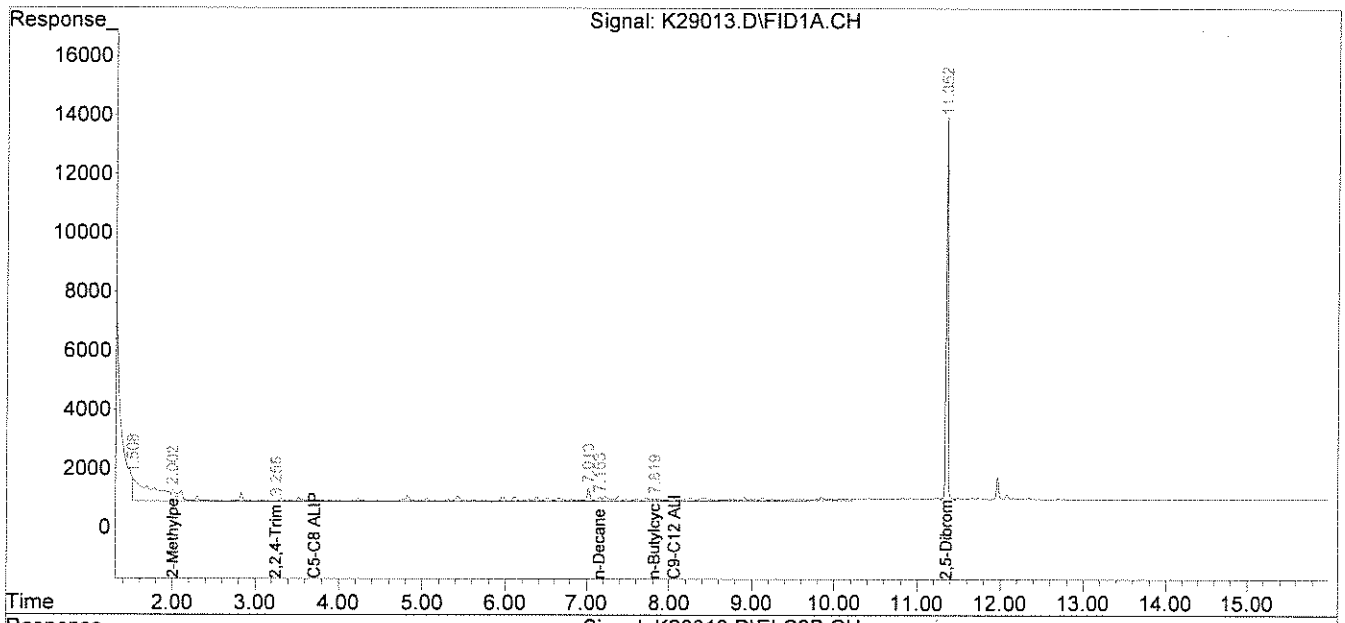
Quantitation Report (Not Reviewed)

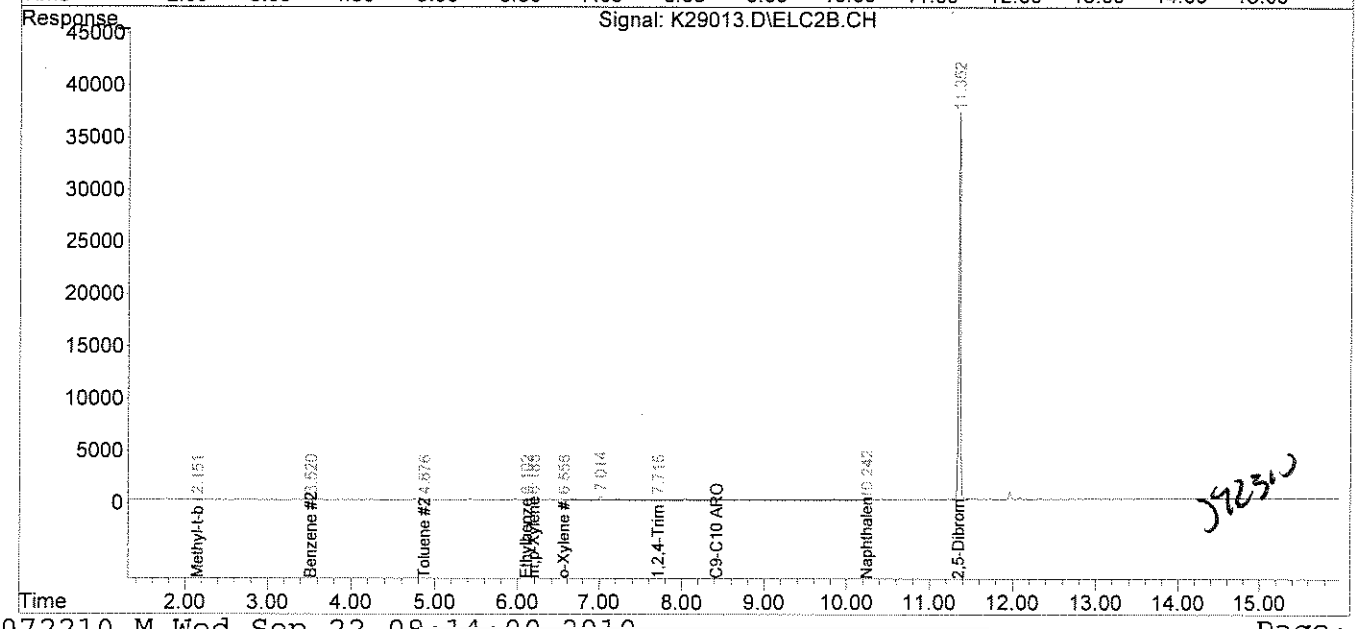
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29013.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 3:20 pm
Operator : JJL
Sample : 67833-12
Misc : 100,9.36,SOIL
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:13:38 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J92310

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-13

SAMPLE DATA

Lab Sample ID: 67833-13
Matrix: Solid
Percent Solid: 90
Dilution Factor: 70
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3500	µg/kg	**5180**
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	280	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3500	µg/kg	**3360 J**
C9-C10 Aromatic Hydrocarbons[1]	N/A	700	µg/kg	**1820**
Surrogate % Recovery (2,5-Dibromotoluene) PID				93
Surrogate % Recovery (2,5-Dibromotoluene) FID				96
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: Mahlell

VPH SOIL REPORT

Sample Name	**67833-13**
Data File Name	K29014.D
Date Acquired	9/21/2010 15:44
Misc Info	100,8.58,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	8.58
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9021**
% Moisture (divided by 100)	0.0979
Vol. entrained water (mL)	0.8400
Total MeOH/water vol (mL)	10.8400
Dilution Factor	64.60
Moisture Corrected Dilution Factor	70.03

88 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3501	
Unadjusted C9-C12 Aliphatics	5175		3501	
Benzene	U		140	
Ethylbenzene	U		140	
Methyl-t-butylether	U		140	
Naphthalene	U		140	
Toluene	U		140	
m,p-Xylenes	U		280	
o-Xylene	U		140	
C5-C8 Aliphatic Hydrocarbons	U		3501	
C9-C12 Aliphatic Hydrocarbons	3357	J	3501	
C9-C10 Aromatic Hydrocarbons	1819		700	
PID Surrogate % Recovery	93%		70-130%	PASS
FID Surrogate % Recovery	96%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	38.65	0.00	283085						0
C9-C12 ALIPHATICS	73.91	5175.47	526892						5175
2,5-Dibromotoluene	89.00		261787						
PID RESULTS									
Methyl-t-butylether #2	0.05	0.00	236	2.199	2.183	0.0477	OK	0.00	0
Benzene #2	0.19	0.00	2519	3.522	3.512	0.0380	OK	0.00	0
Toluene #2	0.14	0.00	1658	4.881	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.62	0.00	6749	6.105	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.24	0.00	3028	6.186	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.15	0.00	1706	6.561	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.76	0.00	7735	10.241	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	25.97	1818.61	306349						1819
2,5-Dibromotoluene #2	85.94		678323						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									3357

J 9/23/10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29014.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 3:44 pm
Operator : JJL
Sample : 67833-13
Misc : 100,8.58,SOIL
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:16:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.353	261787	678323	89.003	85.941	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	89.00%	85.94%
	Target Compounds							
2) Z	2-Methylp...	2.003	0.000	8560	0	1.046	N.D.	#
3) TM	Methyl-t-...	2.224	2.199	137	236	NoCal	0.051	#
4) Z	2,2,4-Tri...	3.253	3.320	329	3669	0.043	NoCal	#
5) TM	Benzene	3.522	3.522	4248	2519	NoCal	0.194	#
6) TM	Toluene	4.884	4.881	978	1658	NoCal	0.139	#
7) XH	C5-C8 ALI...	3.717	0.000	283085	0	38.648	N.D.	#
9) TM	Ethylbenzene	6.105	6.105	11224	6749	NoCal	0.618	#
10) TM	m,p-Xylene	6.186	6.186	3741	3028	NoCal	0.241	#
11) TM	o-Xylene	6.564	6.561	3067	1706	NoCal	0.152	#
12) Z	n-Decane	7.155	7.156	10383	3663	1.506	NoCal	#
13) Z	n-Butylcy...	7.817	7.819	5047	2159	0.686	NoCal	#
14) XH	C9-C12 AL...	10.120f	0.000	526892	0	73.908	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	8620	4852	NoCal	0.411	#
16) XH	C9-C10 AR...	0.000	8.424	0	306349	N.D.	25.971	#
17) TM	Naphthalene	10.240	10.241	10571	7735	NoCal	0.759	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

>92pm

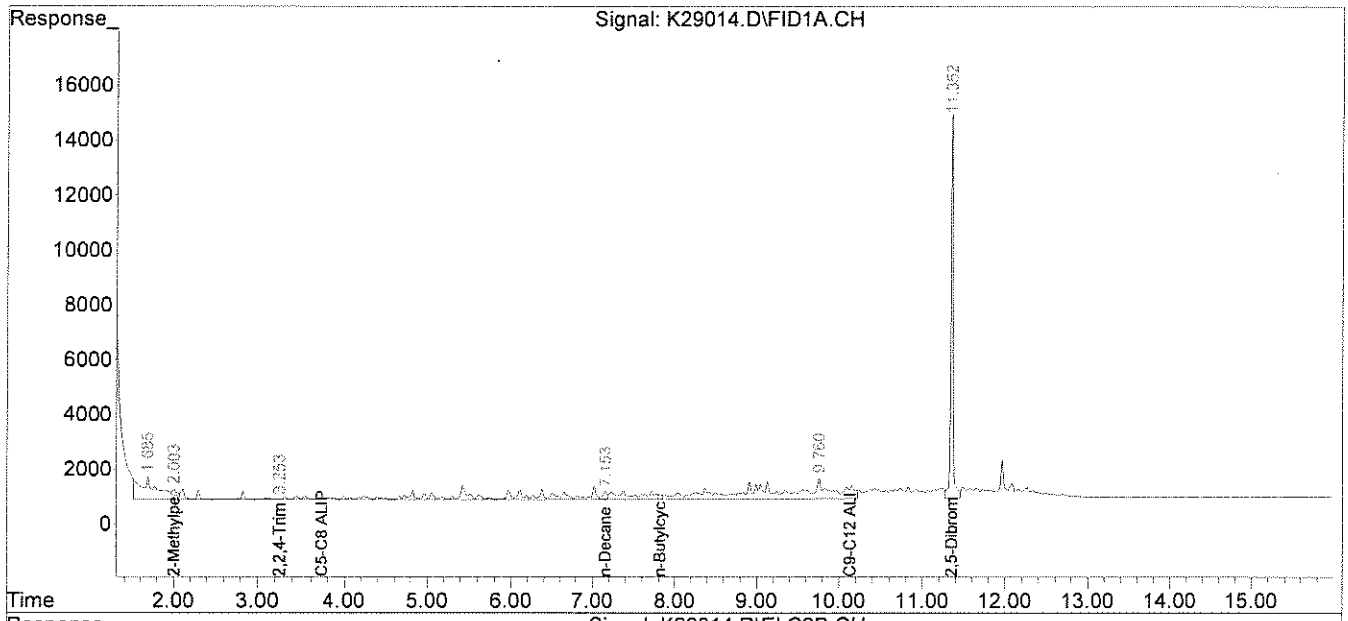
Quantitation Report (QT Reviewed)

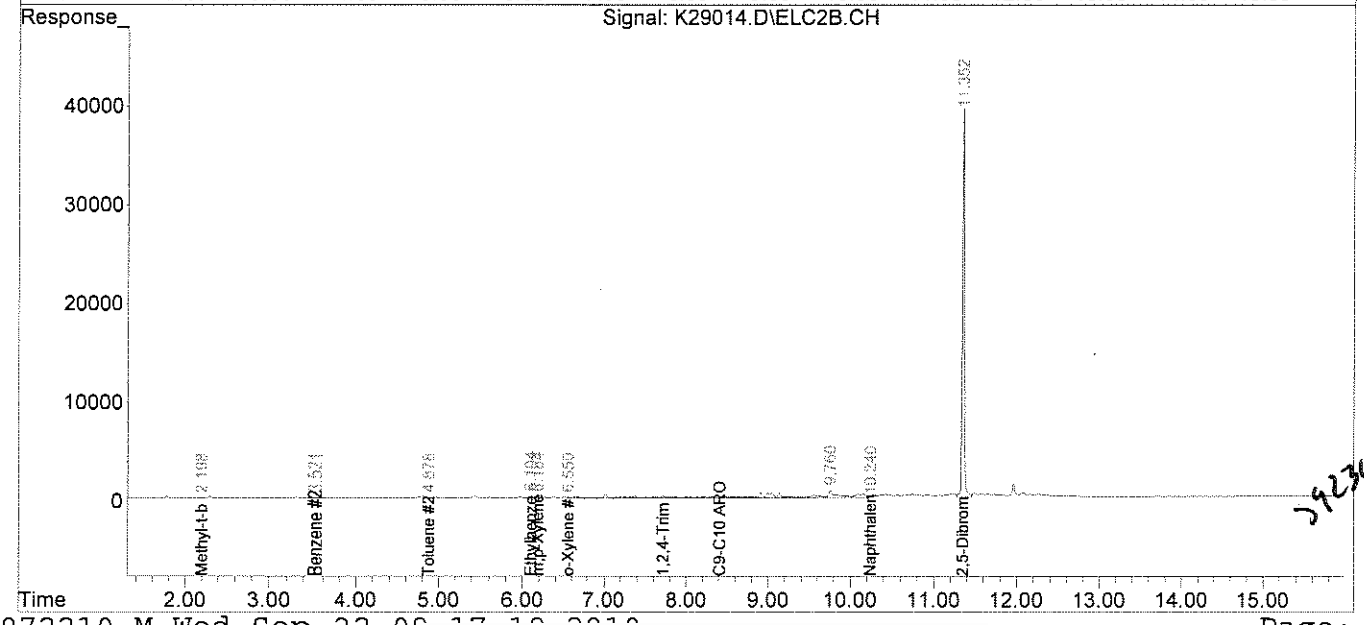
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29014.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 3:44 pm
Operator : JJL
Sample : 67833-13
Misc : 100,8.58,SOIL
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:16:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J9230

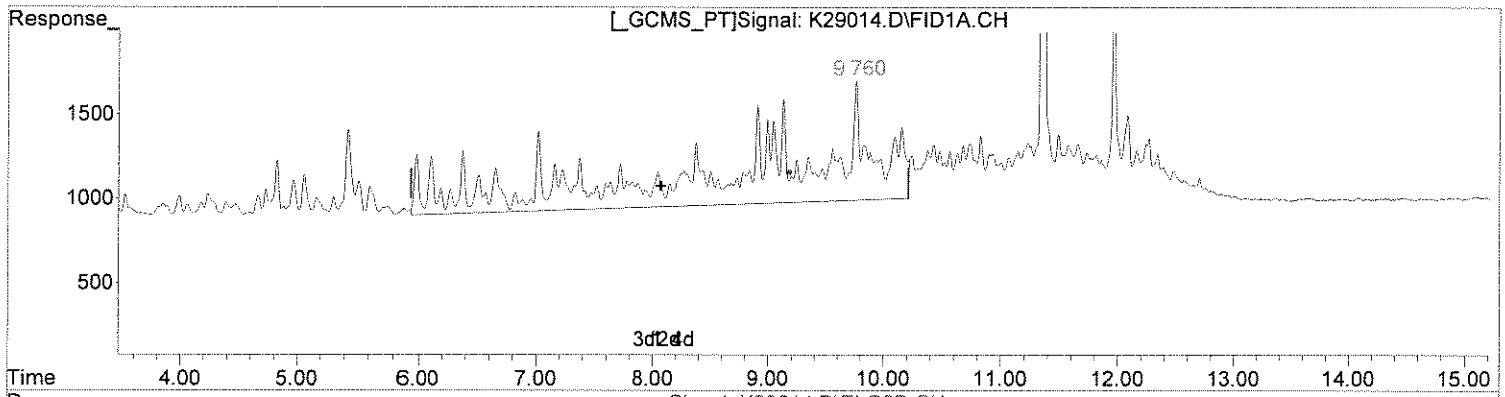
Quantitation Report (Qedit)

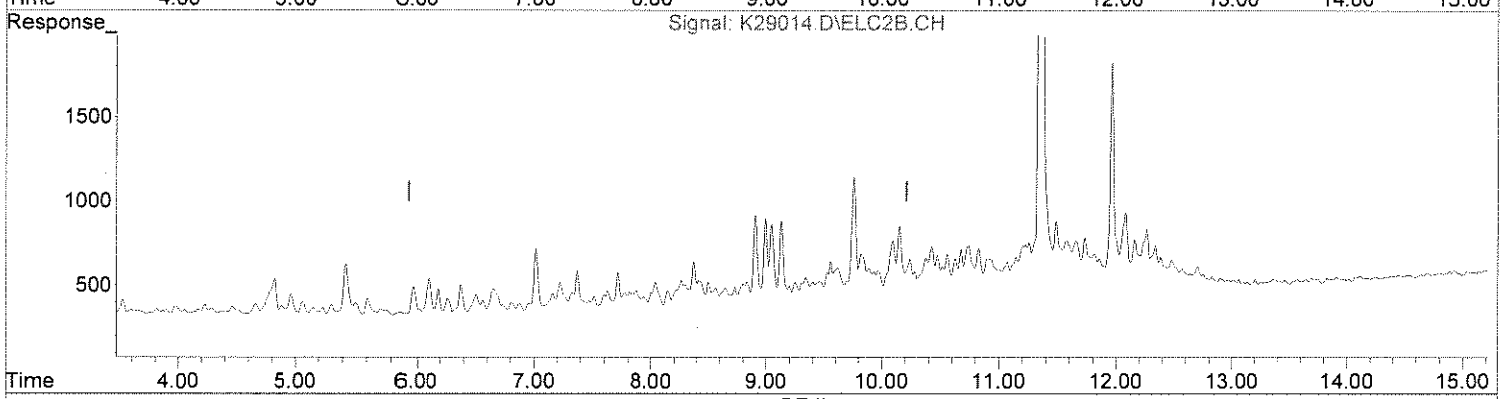
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29014.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 3:44 pm
Operator : JJL
Sample : 67833-13
Misc : 100,8.58,SOIL
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:14:14 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJ 9/22/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(14) C9-C12 ALIPHATICS (XH)
8.070min 61.946ug/L m
response 441615

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

>92320

(+) = Expected Retention Time

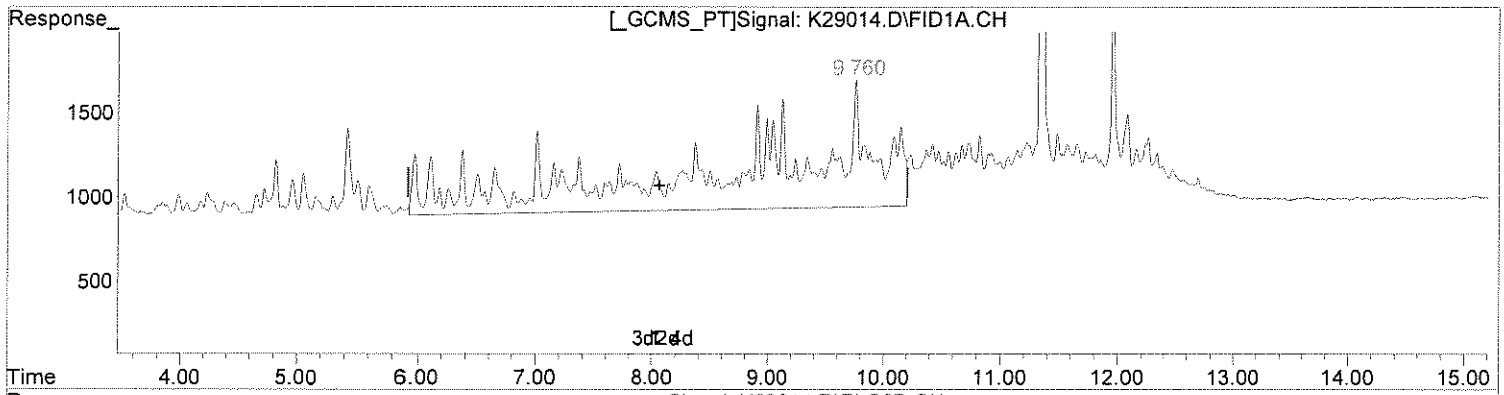
Quantitation Report (Qedit)

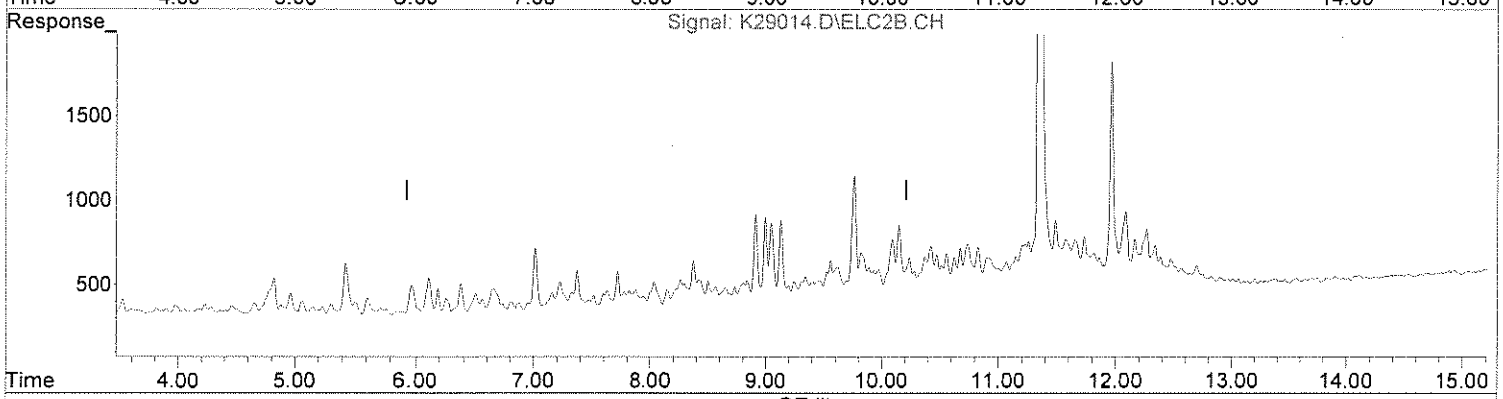
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29014.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 3:44 pm
Operator : JJL
Sample : 67833-13
Misc : 100,8.58,SOIL
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:14:14 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(14) Naphthalene (T)
10.240min 0.000ug/L
response 508292

(14) C9-C12 ALIPHATICS #2 (T)
10.120min 0.000ug/L m
response 0

5923ug

(+) = Expected Retention Time

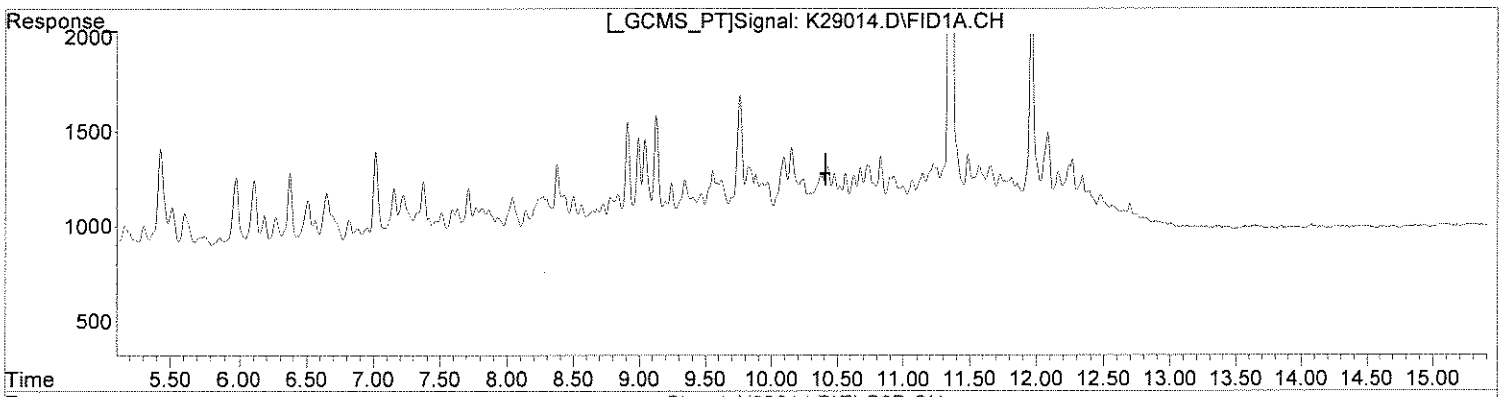
Quantitation Report (Qedit)

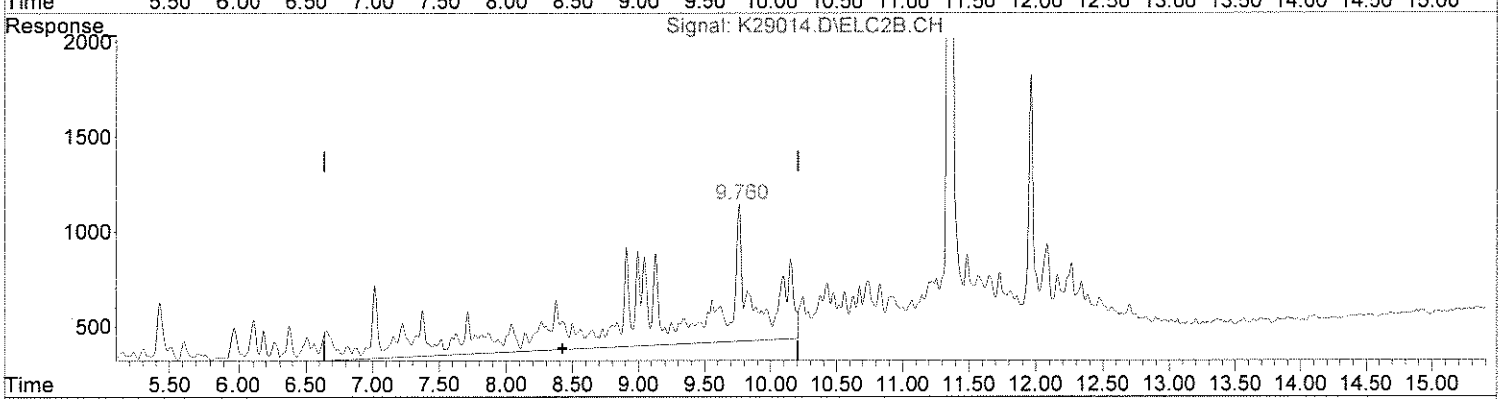
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29014.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 3:44 pm
Operator : JJL
Sample : 67833-13
Misc : 100,8.58,SOIL
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:15:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 0

(16) C9-C10 AROMATICS #2 (XH)
8.424min 23.325ug/L m
response 275140

JJL 9/23/10

(+) = Expected Retention Time

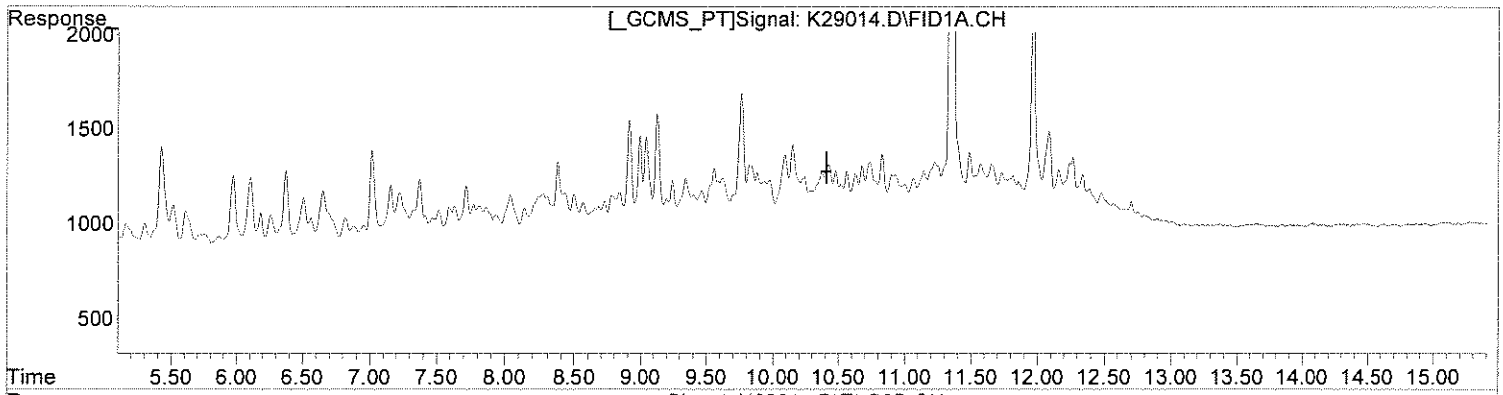
Quantitation Report (Qedit)

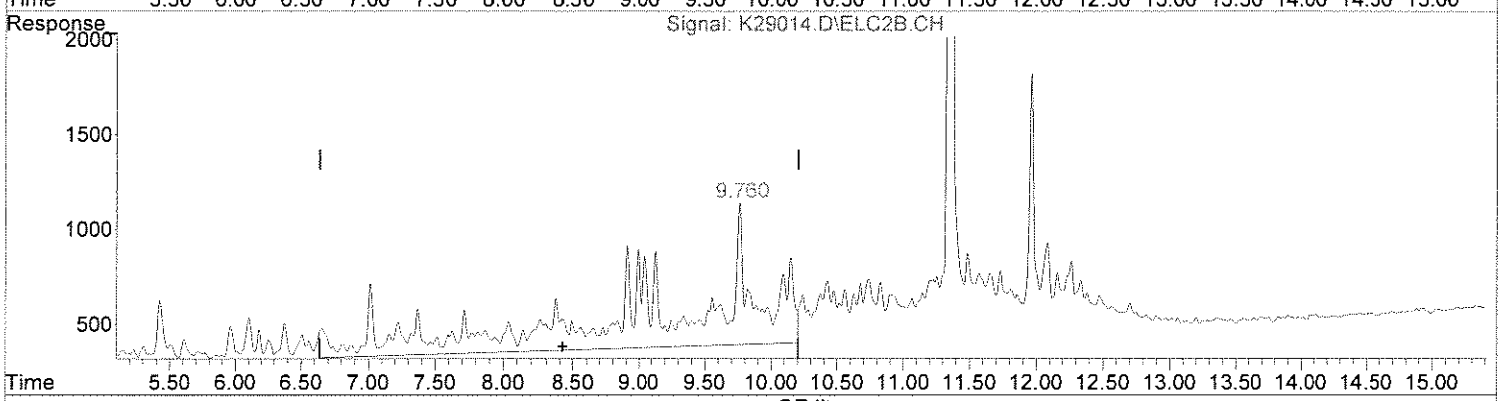
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29014.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 3:44 pm
Operator : JJL
Sample : 67833-13
Misc : 100,8.58,SOIL
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:15:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 0

(16) C9-C10 AROMATICS #2 (XH)
8.424min 25.971ug/L m
response 306349

JJ 23W

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-14

SAMPLE DATA

Lab Sample ID: 67833-14
Matrix: Solid
Percent Solid: 85
Dilution Factor: 71.28
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3560	µg/kg	**171000 E**
Unadjusted C9-C12 Aliphatics[1]	N/A	3560	µg/kg	**172000 E**
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	**4070**
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	**879**
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	290	µg/kg	**1190**
o-Xylene	C9-C12	140	µg/kg	**1200**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3560	µg/kg	**171000 E**
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3560	µg/kg	**101000 E**
C9-C10 Aromatic Hydrocarbons[1]	N/A	710	µg/kg	**65200 E**
Surrogate % Recovery (2,5-Dibromotoluene) PID				113
Surrogate % Recovery (2,5-Dibromotoluene) FID				161*
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis. *Surrogate recovery was affected by sample matrix interference. Sample was reanalyzed at a dilution.

Authorized signature:

VPH SOIL REPORT

Sample Name	**67833-14**
Data File Name	K29015.D
Date Acquired	9/21/2010 16:09
Misc Info	100,9.49,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	9.49
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.8467**
% Moisture (divided by 100)	0.1533
Vol. entrained water (mL)	1.4548
Total MeOH/water vol (mL)	11.4548
Dilution Factor	62.23
Moisture Corrected Dilution Factor	71.28

gg 9/22/10
RR @ SX

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	171252 E		3564	
Unadjusted C9-C12 Aliphatics	172314 E		3564	
Benzene	U		143	
Ethylbenzene	4072		143	
Methyl-t-butylether	U		143	
Naphthalene	879		143	
Toluene	U		143	
m,p-Xylenes	1188		285	
o-Xylene	1199		143	
C5-C8 Aliphatic Hydrocarbons	171252 E		3564	
C9-C12 Aliphatic Hydrocarbons	100695 E		3564	
C9-C10 Aromatic Hydrocarbons	65158 E		713	
PID Surrogate % Recovery	113%		70-130%	PASS ✓
FID Surrogate % Recovery	161%		70-130%	FAIL

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	2402.55 E	171251.60	17597818						171252
C9-C12 ALIPHATICS	2417.45 E	172314.00	17234010						172314
2,5-Dibromotoluene	140.29		412652						
PID RESULTS									
Methyl-t-butylether #2	0.33	0.00	1547	2.165	2.183	0.0477	OK	0.00	0
Benzene #2	6.84	487.22	88943	3.437	3.512	0.0380	*	0.00	0
Toluene #2	20.43	1456.02	243604	4.823	4.883	0.0344	*	0.00	0
Ethylbenzene #2	57.13	4072.34	624245	6.095	6.124	0.0344	OK	4072.34	4072
m,p-Xylene #2	16.67	1188.44	209181	6.186	6.190	0.0344	OK	1188.44	1188
o-Xylene #2	16.83	1199.46	188236	6.563	6.561	0.0344	OK	1199.46	1199
Naphthalene #2	12.33	879.18	125716	10.243	10.248	0.0344	OK	879.18	879
C9-C10 AROMATICS #2	914.13 E	65158.34	10783057						65158
2,5-Dibromotoluene #2	98.65		778607						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									171252
C9-C12 Aliphatic Hydrocarbons									100695

>42310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29015.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 4:09 pm
Operator : JJL
Sample : 67833-14
Misc : 100,9.49,SOIL
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:17:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	412652	778607	140.294	98.646	#
Spiked Amount	100.000 Range	70 - 130	Recovery	=	140.29%#	98.65%		
	Target Compounds							
2) Z	2-Methylp...	2.009	2.007	25655	1163	3.134	NoCal	#
3) TM	Methyl-t-...	2.159	2.165	18485	1547	NoCal	0.332	#
4) Z	2,2,4-Tri...	3.299	3.258	108088	34082	14.007	NoCal	#
5) TM	Benzene	3.436f	3.437	1248503	88943	NoCal	6.835	#
6) TM	Toluene	4.820	4.823	693302	243604	NoCal	20.427	#
7) XH	C5-C8 ALI...	3.717	0.000	17597818	0	2402.549	N.D.	#
9) TM	Ethylbenzene	6.094	6.095	1193456	624245	NoCal	57.132	#
10) TM	m,p-Xylene	6.186	6.186	216522	209181	NoCal	16.673	#
11) TM	o-Xylene	6.565	6.563	284110	188236	NoCal	16.828	#
12) Z	n-Decane	7.165	7.161	324841	196098	47.101	NoCal	#
13) Z	n-Butylcy...	7.817	7.816	472080	268196	64.130	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	17234010	0	2417.454	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	532061	492142	NoCal	41.721	#
16) XH	C9-C10 AR...	10.410	8.424	3066	10783057	NoCal	914.129	#
17) TM	Naphthalene	10.244	10.243	115439	125716	NoCal	12.334	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9/23/10

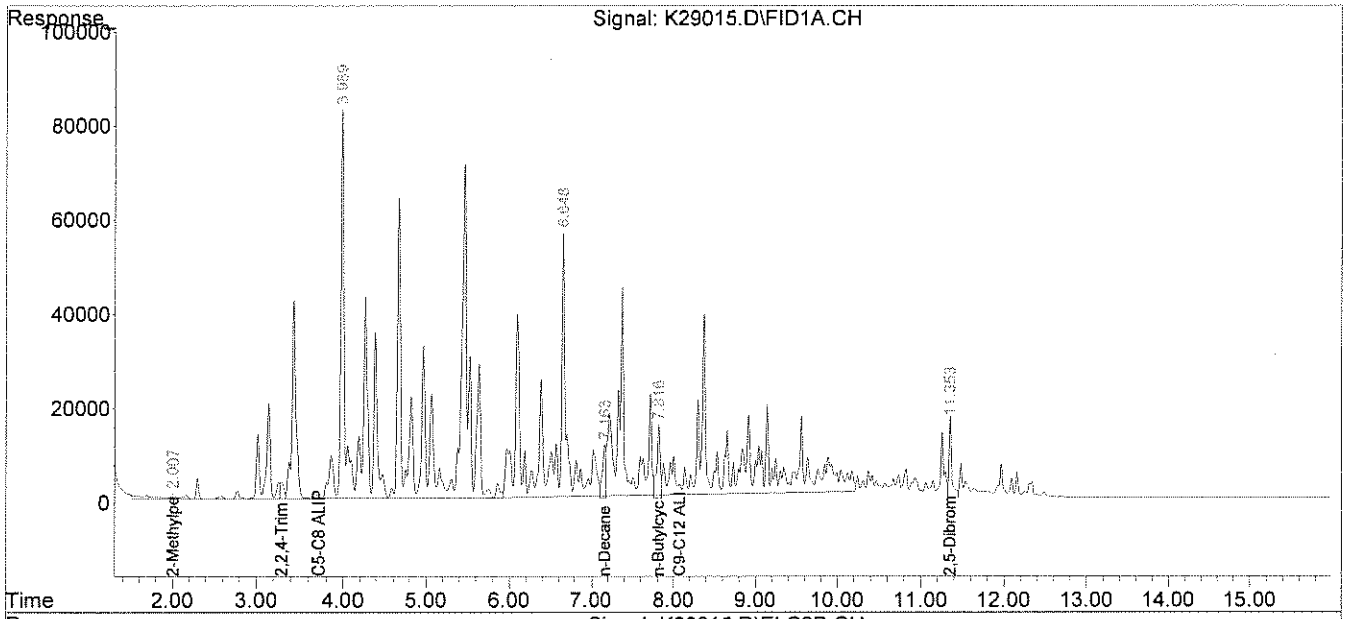
Quantitation Report (Not Reviewed)

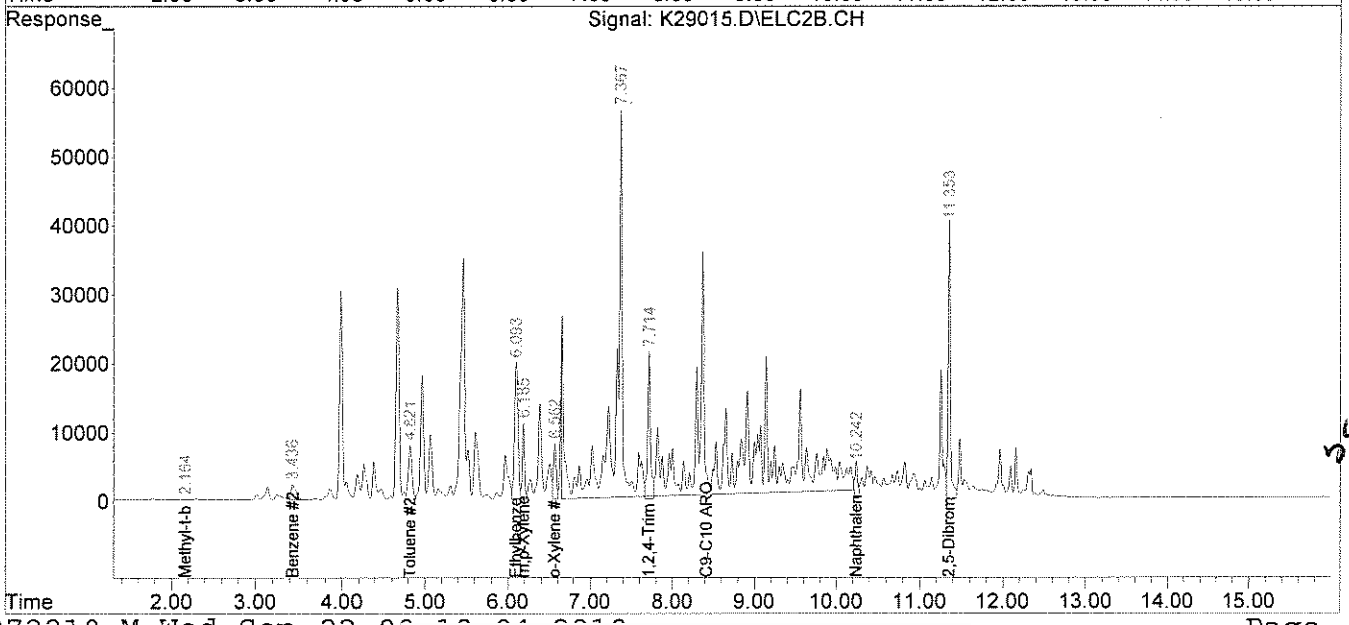
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29015.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 4:09 pm
Operator : JJL
Sample : 67833-14
Misc : 100,9.49,SOIL
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:17:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





39230

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-14

SAMPLE DATA

Lab Sample ID: 67833-14 DL
Matrix: Solid
Percent Solid: 85
Dilution Factor: 356
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	17800	µg/kg	**176000**
Unadjusted C9-C12 Aliphatics[1]	N/A	17800	µg/kg	**190000**
Benzene	C5-C8	710	µg/kg	U
Ethylbenzene	C9-C12	710	µg/kg	**4440**
Methyl-tert-butyl ether	C5-C8	710	µg/kg	U
Naphthalene	N/A	710	µg/kg	**1570**
Toluene	C5-C8	710	µg/kg	U
m- & p-Xylenes	C9-C12	1420	µg/kg	**1720**
o-Xylene	C9-C12	710	µg/kg	**1470**
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	17800	µg/kg	**176000**
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	17800	µg/kg	**107000**
C9-C10 Aromatic Hydrocarbons[1]	N/A	3560	µg/kg	**75500**
Surrogate % Recovery (2,5-Dibromotoluene) PID				103
Surrogate % Recovery (2,5-Dibromotoluene) FID				112
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67833-14,5X**
Data File Name	K29055.D
Date Acquired	9/22/2010 14:46 ✓
Misc Info	20,9.49,SOIL
Vol. MeOH Analyzed (uL)	20
Soil Weight (g)	9.49
Vol. MeOH (mL)	**10.00** ✓
% Solid (divided by 100)	**0.8467**
% Moisture (divided by 100)	0.1533
Vol. entrained water (mL)	1.4548
Total MeOH/water vol (mL)	11.4548
Dilution Factor	311.13
Moisture Corrected Dilution Factor	356.40

BB 9/23/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	176257		17820	
Unadjusted C9-C12 Aliphatics	189714		17820	
Benzene	U		713	
Ethylbenzene	4438		713	
Methyl-t-butylether	U		713	
Naphthalene	1571		713	
Toluene	U		713	
m,p-Xylenes	1719		1426	
o-Xylene	1468		713	
C5-C8 Aliphatic Hydrocarbons	176257		17820	
C9-C12 Aliphatic Hydrocarbons	106621		17820	
C9-C10 Aromatic Hydrocarbons	75468		3564	
PID Surrogate % Recovery	103%		70-130%	PASS ✓
FID Surrogate % Recovery	112%		70-130%	PASS ✓

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	494.56 ✓	176257.48	3622444						176257
C9-C12 ALIPHATICS	532.31 ✓	189714.10	3794857						189714
2,5-Dibromotoluene	19.47		57274						
PID RESULTS									
Methyl-t-butylether #2	0.00	0.00	0	0.000	2.183	0.0477	*	0.00	0
Benzene #2	0.97	0.00	12648	3.509	3.512	0.0380	OK	0.00	0
Toluene #2	0.97	0.00	11558	4.880	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	12.45	4437.79	136053	6.096	6.124	0.0344	OK	4437.79	4438
m,p-Xylene #2	4.82	1718.98	60513	6.186	6.190	0.0344	OK	1718.98	1719
o-Xylene #2	4.12	1467.80	46070	6.562	6.561	0.0344	OK	1467.80	1468
Naphthalene #2	4.41	1570.76	44921	10.244	10.248	0.0344	OK	1570.76	1571
C9-C10 AROMATICS #2	211.75 ✓	75468.15	2497846						75468
2,5-Dibromotoluene #2	18.01		142139						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									176257
C9-C12 Aliphatic Hydrocarbons									106621

592310

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29055.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:46 pm
Operator : JJL
Sample : 67833-14,5X
Misc : 20,9.49,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:06:53 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.353	11.352	57274	142139	19.472m	18.008m	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	19.47%#	18.01%#
		Target Compounds							
2)	Z	2-Methylp...	2.009	2.024	8077	1931	0.987	NoCal	#
4)	Z	2,2,4-Tri...	3.298	3.257	24994	12580	3.239	NoCal	#
5)	TM	Benzene	3.569	3.509	2326	12648	NoCal	0.972	#
6)	TM	Toluene	4.819	4.880	143705	11558	NoCal	0.969	#
7)	XH	C5-C8 ALI...	3.717	0.000	3622444	0	494.556	N.D.	#
9)	TM	Ethylbenzene	6.094	6.096	240986	136053	NoCal	12.452	#
10)	TM	m,p-Xylene	6.187	6.186	55802	60513	NoCal	4.823	#
11)	TM	o-Xylene	6.563	6.562	62299	46070	NoCal	4.118	#
12)	Z	n-Decane	7.158	7.160	77146	38919	11.186	NoCal	#
13)	Z	n-Butylcy...	7.818	7.817	83242	54475	11.308	NoCal	#
14)	XH	C9-C12 AL...	10.120f	0.000	3794857	0	532.313	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.715	112393	111544	NoCal	9.456	#
16)	XH	C9-C10 AR...	10.410	8.424	800	2497846	NoCal	211.754	#
17)	TM	Naphthalene	10.245	10.244	37227	44921	NoCal	4.407	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

592310

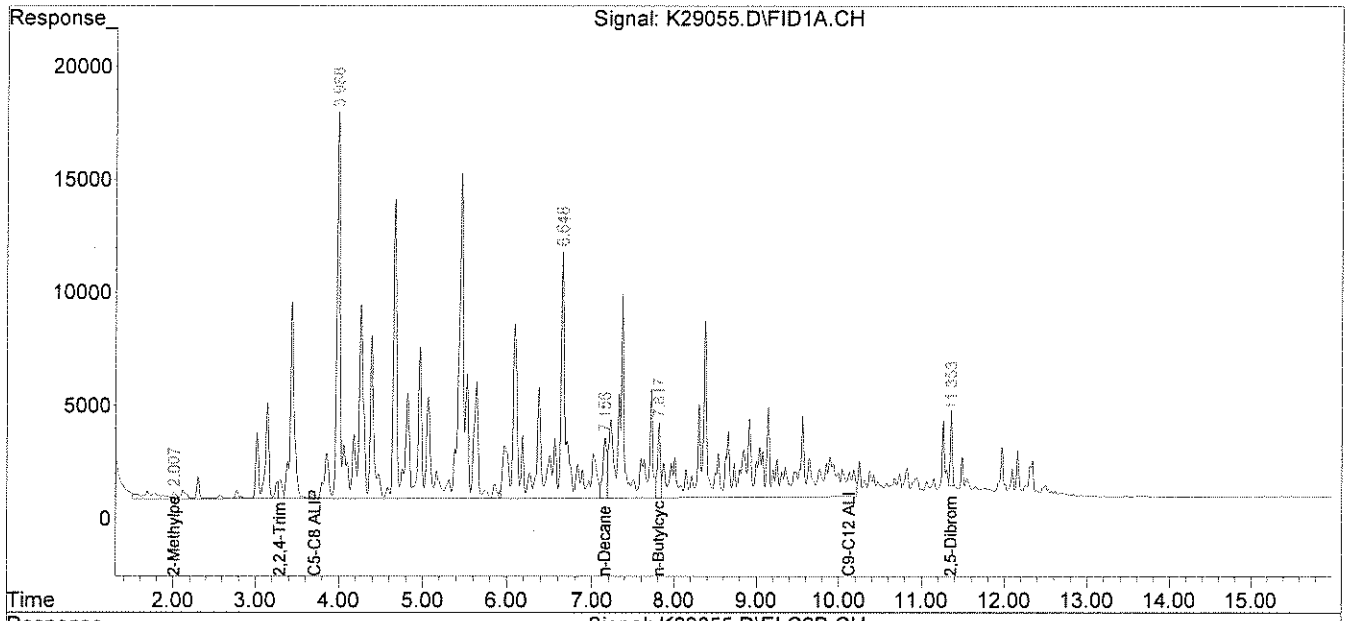
Quantitation Report (QT Reviewed)

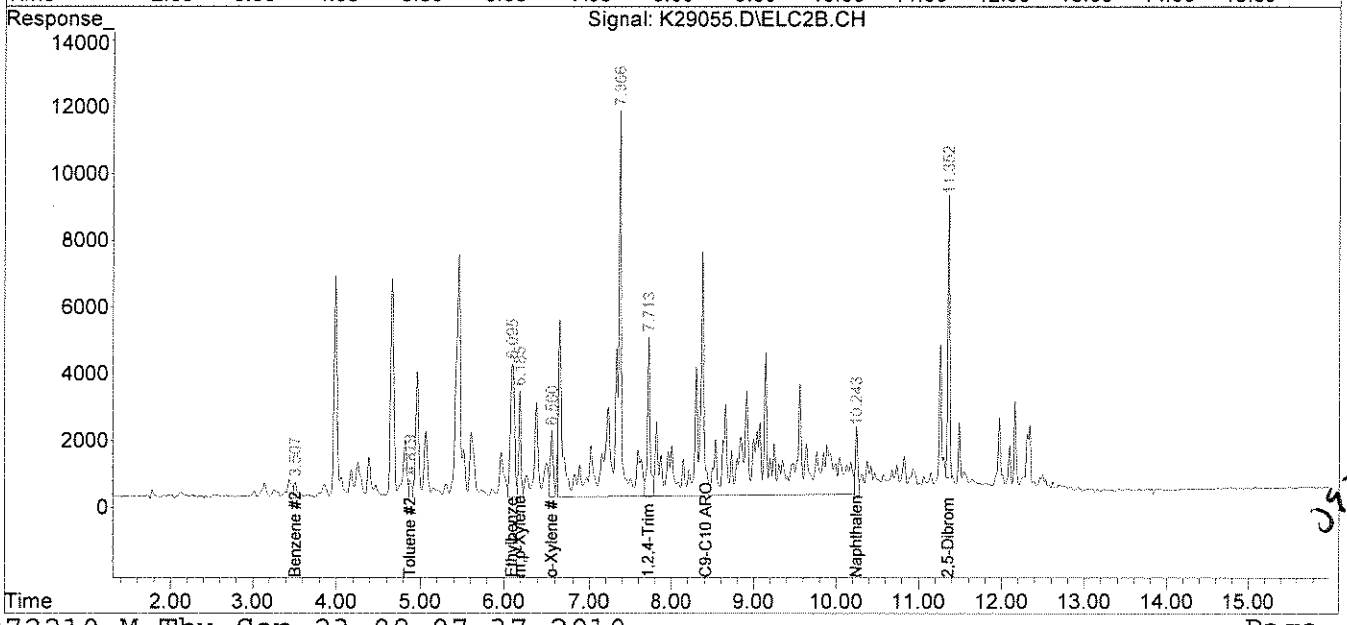
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29055.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:46 pm
Operator : JJL
Sample : 67833-14,5X
Misc : 20,9.49,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:06:53 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

BS 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JJ 23 W

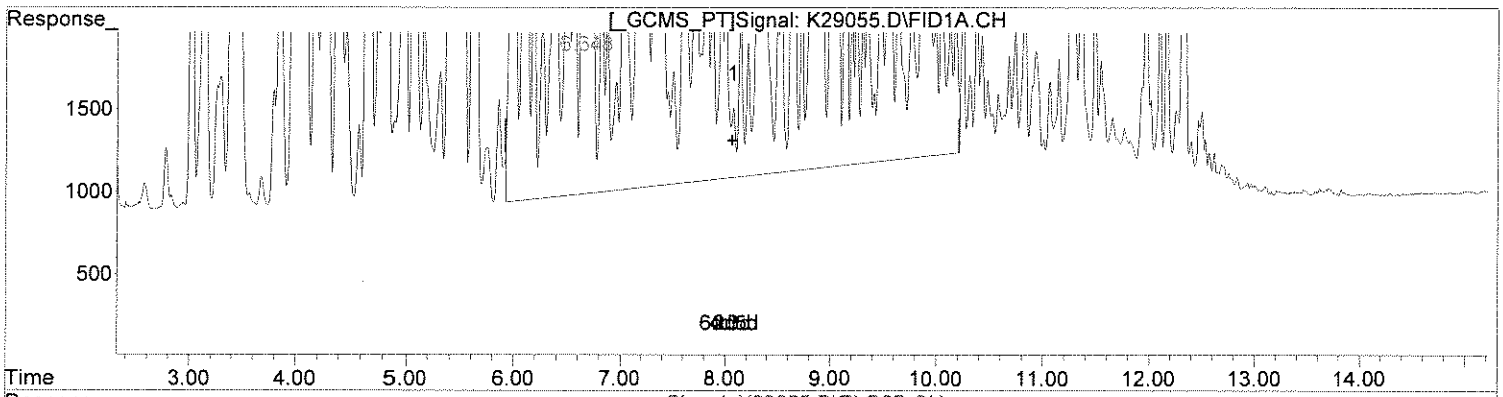
Quantitation Report (Qedit)

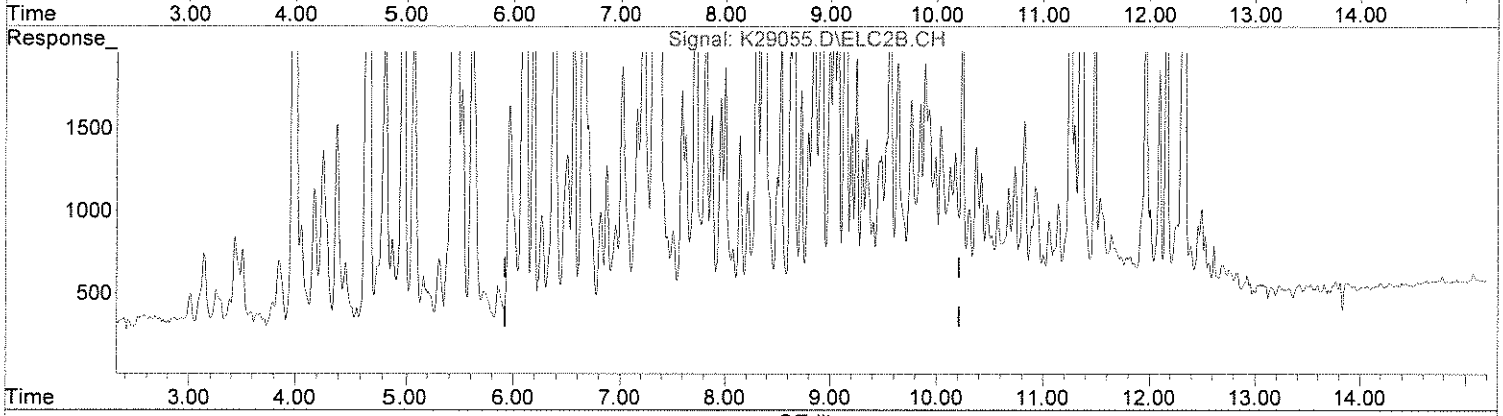
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29055.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:46 pm
Operator : JJL
Sample : 67833-14,5X
Misc : 20,9.49,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:05:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(14) C9-C12 ALIPHATICS (XH)
8.070min 481.326ug/L m
response 3431371

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

J9231U

(+) = Expected Retention Time

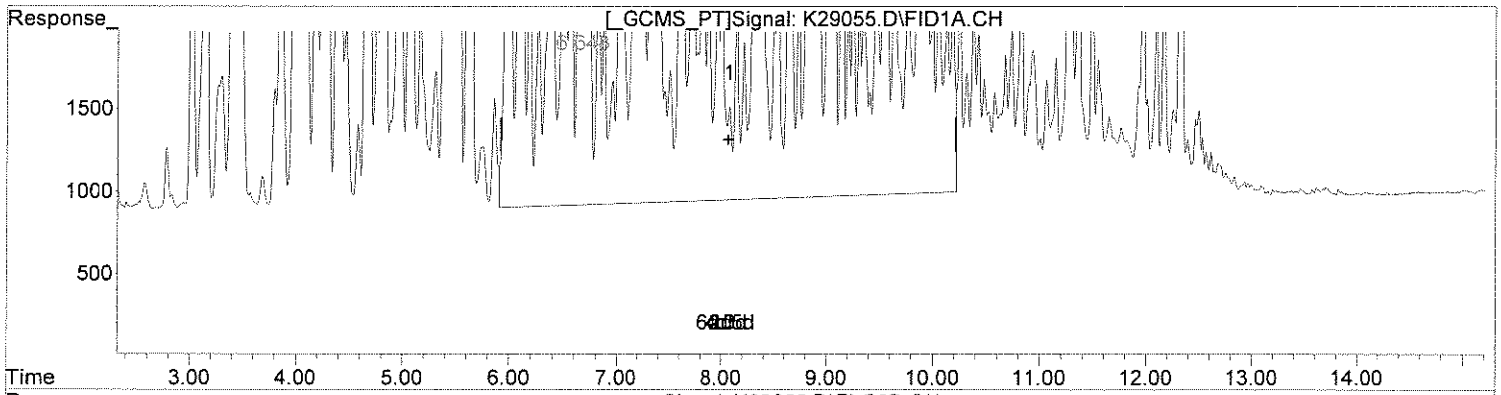
Quantitation Report (Qedit)

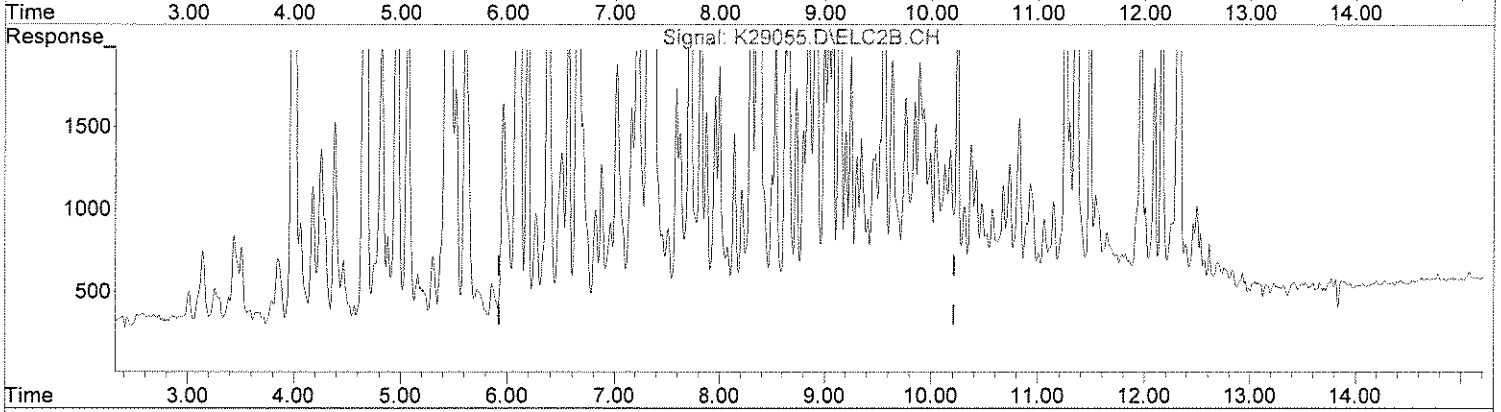
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29055.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:46 pm
Operator : JJL
Sample : 67833-14,5X
Misc : 20,9.49,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:05:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJS 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(14) C9-C12 ALIPHATICS (XH)
10.120min 532.313ug/L m
response 3794857

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

9/23/10

(+) = Expected Retention Time

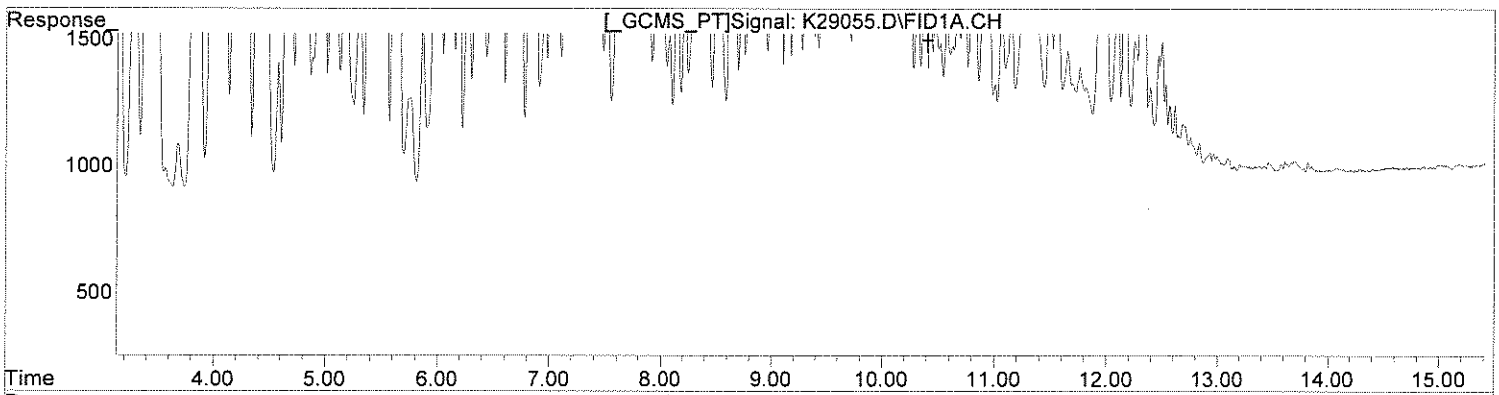
Quantitation Report (Qedit)

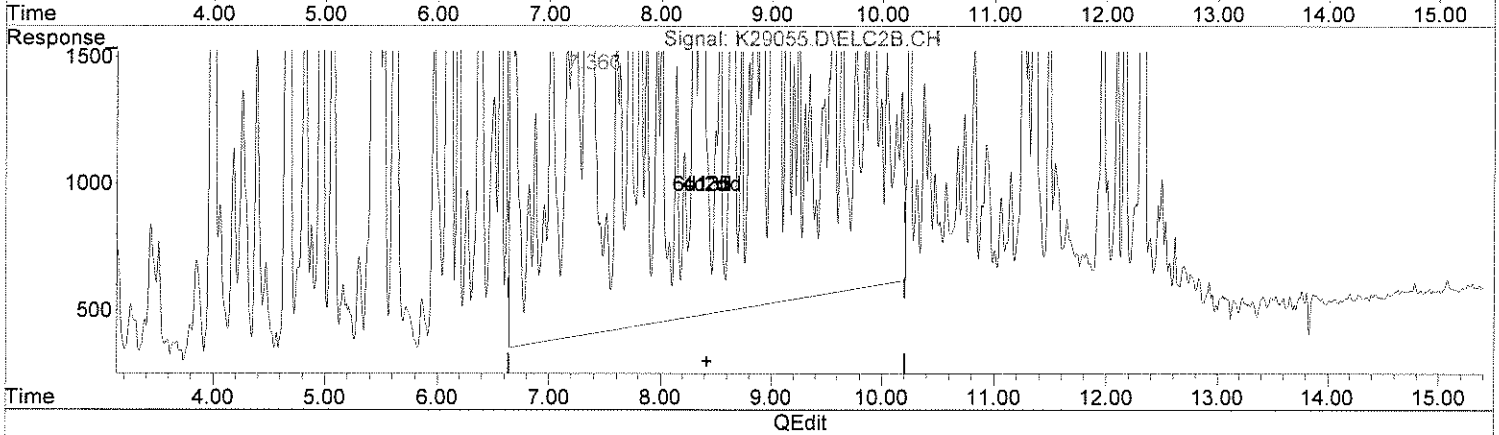
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29055.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:46 pm
Operator : JJL
Sample : 67833-14,5X
Misc : 20,9.49,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:05:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 800

(16) C9-C10 AROMATICS #2 (XH)
8.424min 186.363ug/L m
response 2198336

092310

(+) = Expected Retention Time

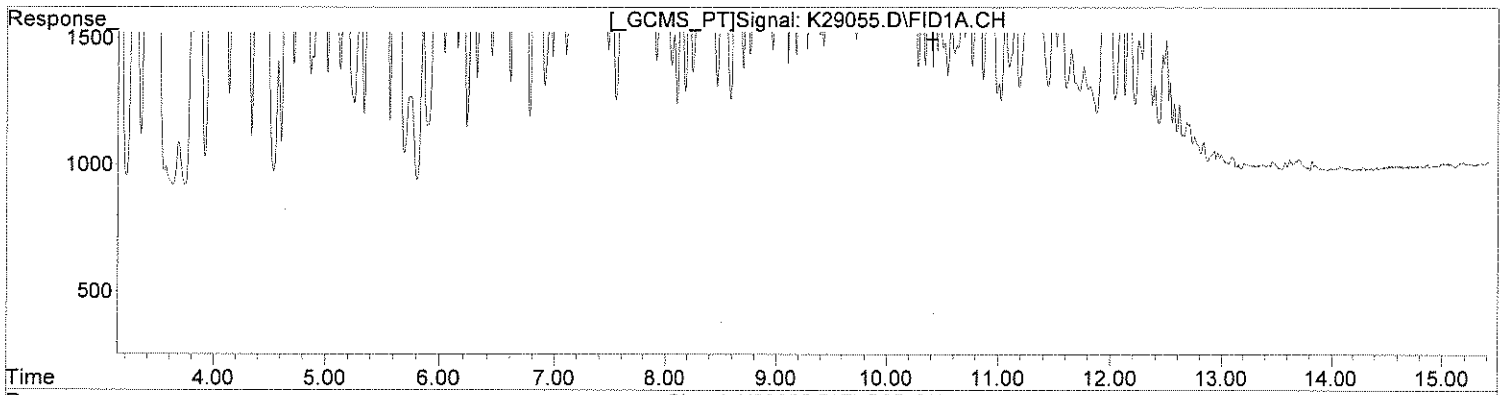
Quantitation Report (Qedit)

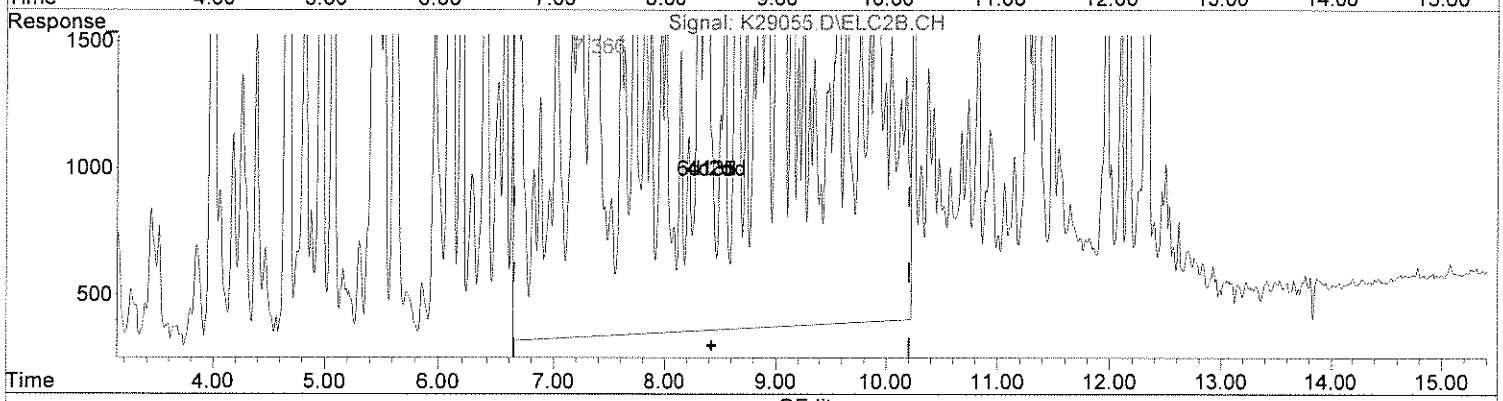
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29055.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:46 pm
Operator : JJL
Sample : 67833-14,5X
Misc : 20,9.49,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:05:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 800

(16) C9-C10 AROMATICS #2 (XH)
8.424min 211.754ug/L m
response 2497846

JJ 9/23/10

(+) = Expected Retention Time

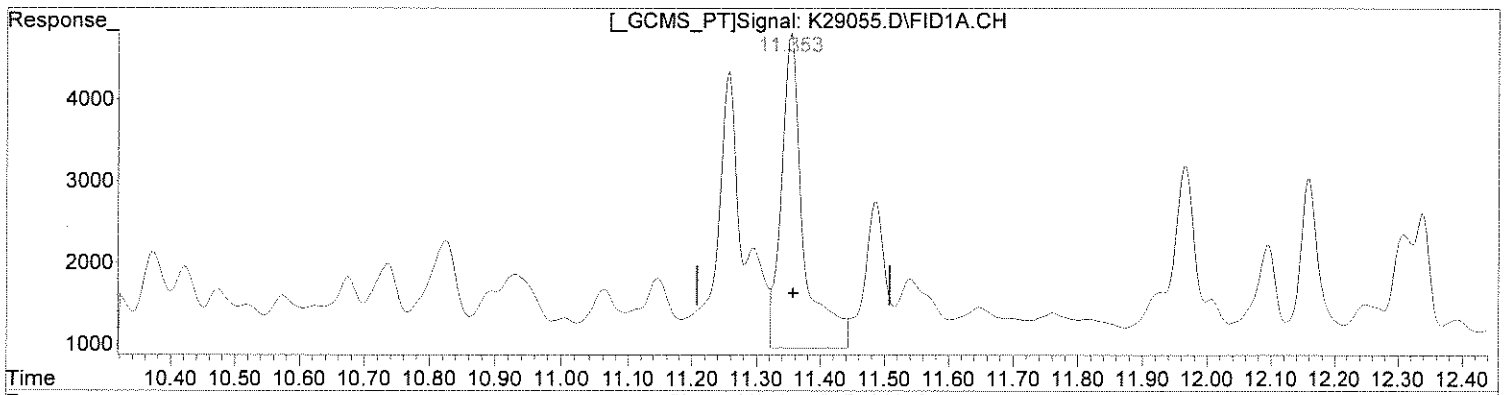
Quantitation Report (Qedit)

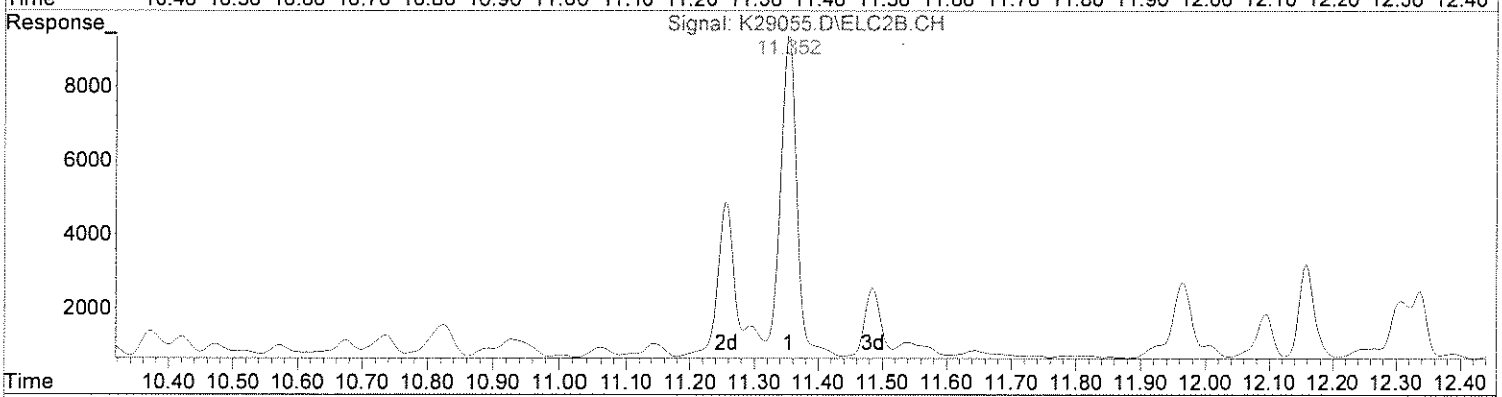
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29055.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:46 pm
Operator : JJL
Sample : 67833-14,5X
Misc : 20,9.49,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:05:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10
+E.A.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(18) 2,5-Dibromotoluene (S)
11.354min 31.546ug/L
response 92788

(18) 2,5-Dibromotoluene #2 (S)
11.354min 22.772ug/L
response 179741

392340

(+) = Expected Retention Time

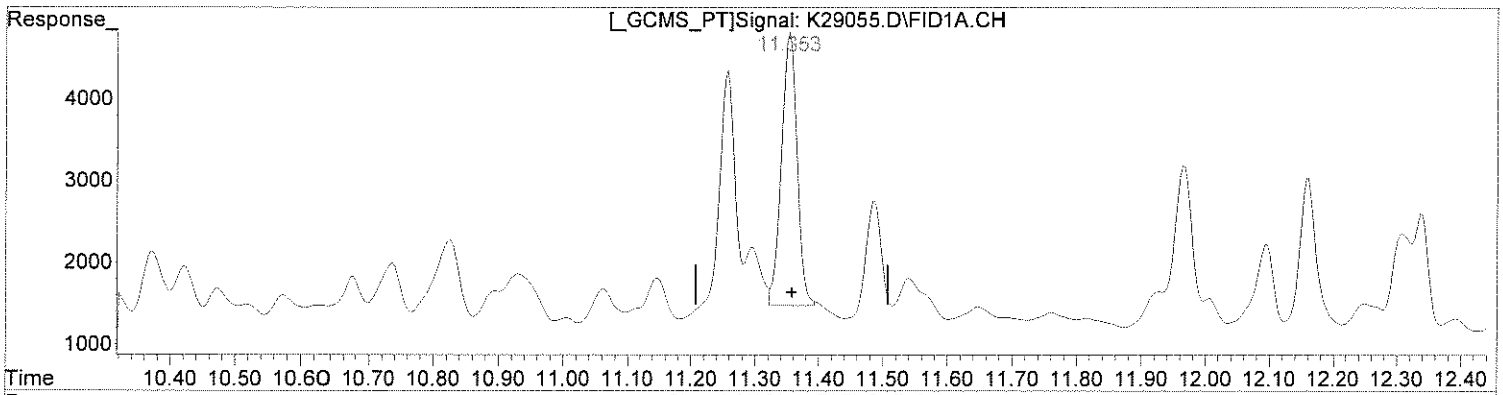
Quantitation Report (Qedit)

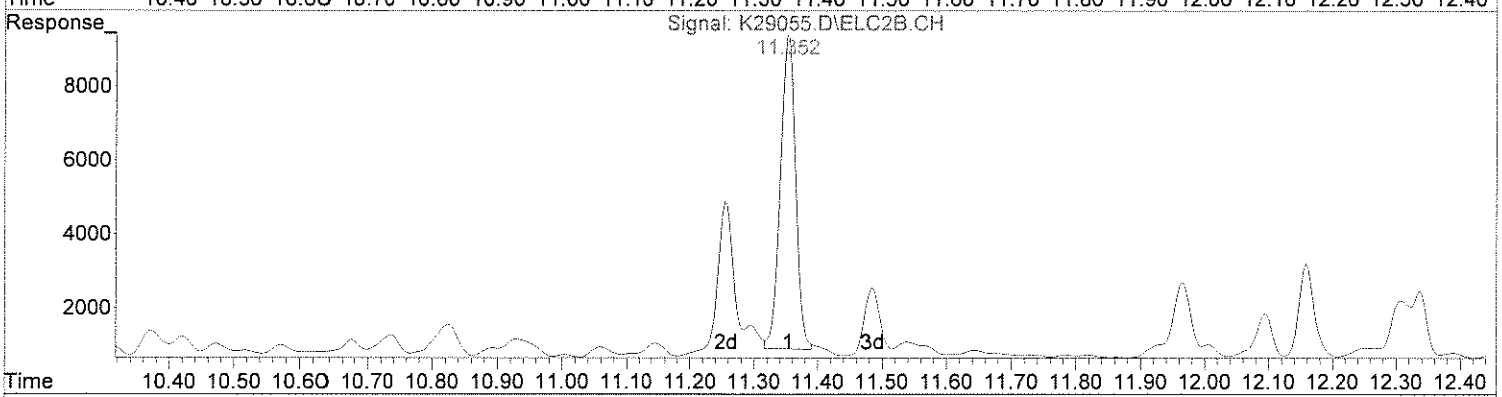
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29055.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:46 pm
Operator : JJL
Sample : 67833-14,5X
Misc : 20,9.49,SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:05:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJ 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(18) 2,5-Dibromotoluene (S)
11.353min 19.472ug/L m
response 57274

(18) 2,5-Dibromotoluene #2 (S)
11.352min 18.008ug/L m
response 142139

092310

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-15

SAMPLE DATA

Lab Sample ID: 67833-15
Matrix: Solid
Percent Solid: 91
Dilution Factor: 63
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3150	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3150	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	250	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3150	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3150	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	630	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				89
Surrogate % Recovery (2,5-Dibromotoluene) FID				80
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VPH SOIL REPORT

Sample Name	**67833-15**
Data File Name	K29051.D
Date Acquired	9/22/2010 13:02
Misc Info	100,9.48,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	9.48
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9103**
% Moisture (divided by 100)	0.0897
Vol. entrained water (mL)	0.8504
Total MeOH/water vol (mL)	10.8504
Dilution Factor	57.94
Moisture Corrected Dilution Factor	62.87

gg 9/23/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3143	
Unadjusted C9-C12 Aliphatics	U		3143	
Benzene	U		126	
Ethylbenzene	U		126	
Methyl-t-butylether	U		126	ND
Naphthalene	U		126	
Toluene	U		126	
m,p-Xylenes	U		251	
o-Xylene	U		126	
C5-C8 Aliphatic Hydrocarbons	U		3143	
C9-C12 Aliphatic Hydrocarbons	U		3143	
C9-C10 Aromatic Hydrocarbons	U		629	
PID Surrogate % Recovery	89%		70-130%	PASS
FID Surrogate % Recovery	80%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	30.26	0.00	221614						0
C9-C12 ALIPHATICS	15.04	0.00	107191						0
2,5-Dibromotoluene	73.60		216470						
PID RESULTS									
Methyl-t-butylether #2	0.11	0.00	517	2.169	2.183	0.0477	OK	0.00	0
Benzene #2	0.35	0.00	4564	3.521	3.512	0.0380	OK	0.00	0
Toluene #2	0.18	0.00	2154	4.892	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.98	0.00	10659	6.109	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.43	0.00	5413	6.186	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.26	0.00	2908	6.561	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.40	0.00	4113	10.243	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	8.21	0.00	96873						0
2,5-Dibromotoluene #2	82.17		648534						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

59230

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29051.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 1:02 pm
Operator : JJL
Sample : 67833-15
Misc : 100,9.48,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:01:13 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18)	S 2,5-Dibro...	11.352	11.351	216470	648534	73.596	82.166	
	Spiked Amount 100.000 Range 70 - 130 Recovery = 73.60% 82.17%							
	Target Compounds							
2)	Z 2-Methylp...	2.003	2.023	7114	508	0.869	NoCal	#
3)	TM Methyl-t-...	2.229	2.169	124	517	NoCal	0.111	#
4)	Z 2,2,4-Tri...	3.263	3.280	466	839	0.060	NoCal	#
5)	TM Benzene	3.521	3.521	4555	4564	NoCal	0.351	#
6)	TM Toluene	4.881	4.892	1796	2154	NoCal	0.181	#
7)	XH C5-C8 ALI...	3.717	0.000	221614	0	30.256	N.D.	#
9)	TM Ethylbenzene	6.104	6.109	7047	10659	NoCal	0.976	#
10)	TM m,p-Xylene	6.185	6.186	2164	5413	NoCal	0.431	#
11)	TM o-Xylene	6.562	6.561	3071	2908	NoCal	0.260	#
12)	Z n-Decane	7.153	7.151	4507	2451	0.654	NoCal	#
13)	Z n-Butylcy...	7.812	7.828	2125	1060	0.289	NoCal	#
14)	XH C9-C12 AL...	8.070	0.000	107191	0	15.036	N.D.	#
15)	ZM 1,2,4-Tri...	7.712	7.716	3323	3530	NoCal	0.299	#
16)	XH C9-C10 AR...	10.410	8.424	19	96873	NoCal	8.212	#
17)	TM Naphthalene	10.242	10.243	1913	4113	NoCal	0.404	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J9230

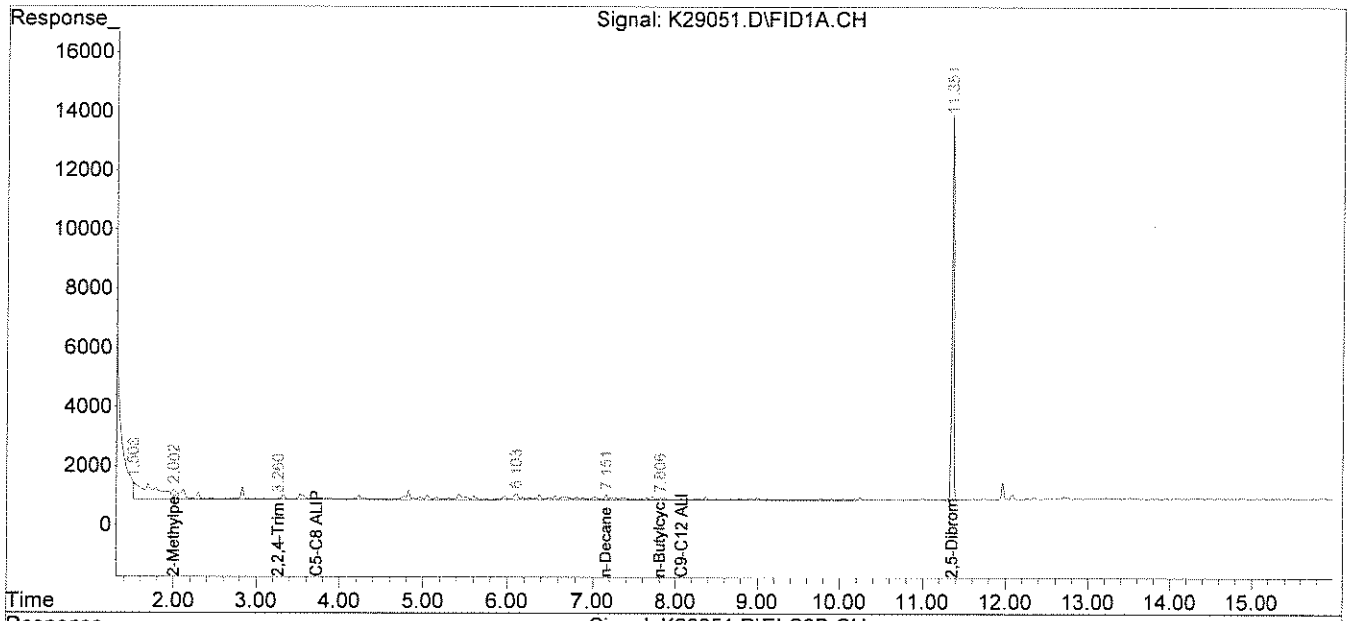
Quantitation Report (Not Reviewed)

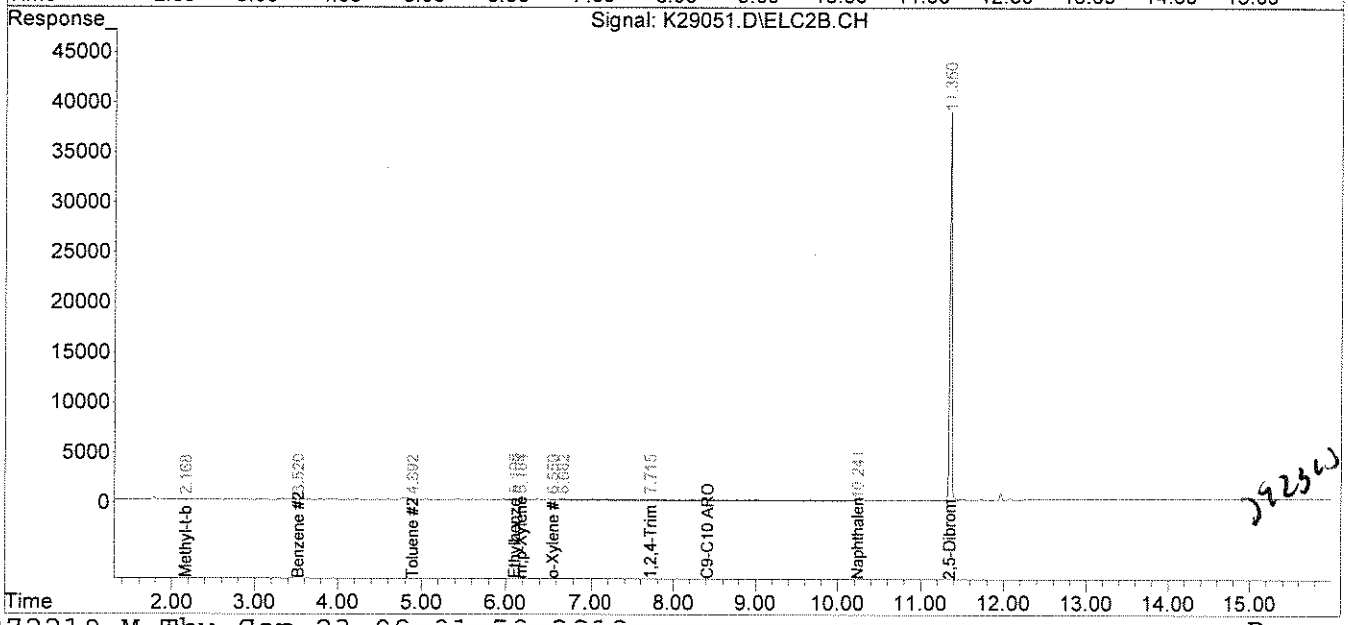
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29051.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 1:02 pm
Operator : JJL
Sample : 67833-15
Misc : 100,9.48,SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:01:13 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-04D

SAMPLE DATA

Lab Sample ID: 67833-16
Matrix: Solid
Percent Solid: 96
Dilution Factor: 58
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2900	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2900	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	230	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2900	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2900	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	580	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				86
Surrogate % Recovery (2,5-Dibromotoluene) FID				80
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67833-16**
Data File Name	K29017.D
Date Acquired	9/21/2010 16:58
Misc Info	100,9.29,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	9.29
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9607**
% Moisture (divided by 100)	0.0393
Vol. entrained water (mL)	0.3651
Total MeOH/water vol (mL)	10.3651
Dilution Factor	56.02
Moisture Corrected Dilution Factor	58.07

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2903	
Unadjusted C9-C12 Aliphatics	U		2903	
Benzene	U		116	
Ethylbenzene	U		116	
Methyl-t-butylether	U		116	
Naphthalene	U		116	ND
Toluene	U		116	
m,p-Xylenes	U		232	
o-Xylene	U		116	
C5-C8 Aliphatic Hydrocarbons	U		2903	
C9-C12 Aliphatic Hydrocarbons	U		2903	
C9-C10 Aromatic Hydrocarbons	U		581	
PID Surrogate % Recovery	86%		70-130%	PASS
FID Surrogate % Recovery	80%		70-130%	PASS

88 9/22/10

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	33.84	0.00	247900						0
C9-C12 ALIPHATICS	9.70	0.00	69163						0
2,5-Dibromotoluene	77.63		228325						
PID RESULTS									
Methyl-t-butylether #2	0.13	0.00	608	2.164	2.183	0.0477	OK	0.00	0
Benzene #2	0.24	0.00	3157	3.523	3.512	0.0380	OK	0.00	0
Toluene #2	0.15	0.00	1787	4.877	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.22	0.00	2366	6.114	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.17	0.00	2127	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.19	0.00	2094	6.568	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.16	0.00	1615	10.246	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	6.00	0.00	70806						0
2,5-Dibromotoluene #2	82.93		654568						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29017.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 4:58 pm
Operator : JJL
Sample : 67833-16
Misc : 100,9.29,SOIL
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:18:47 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.354	228325	654568	77.626	82.931	
		Spiked Amount	100.000	Range	70 - 130	Recovery	=	77.63%	82.93%
		Target Compounds							
2)	Z	2-Methylp...	2.003	2.025	8318	728	1.016	NoCal	#
3)	TM	Methyl-t-...	2.186	2.164	56	608	NoCal	0.130	#
4)	Z	2,2,4-Tri...	3.253	3.324	310	4153	0.040	NoCal	#
5)	TM	Benzene	3.524	3.523	3209	3157	NoCal	0.243	#
6)	TM	Toluene	4.881	4.877	636	1787	NoCal	0.150	#
7)	XH	C5-C8 ALI...	3.717	0.000	247900	0	33.845	N.D.	#
9)	TM	Ethylbenzene	6.114	6.114	630	2366	NoCal	0.217	#
10)	TM	m,p-Xylene	6.188	6.187	819	2127	NoCal	0.170	#
11)	TM	o-Xylene	6.552	6.568	689	2094	NoCal	0.187	#
12)	Z	n-Decane	7.151	7.138	2186	1374	0.317	NoCal	#
13)	Z	n-Butylcy...	7.823	7.821	1723	1248	0.234	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	69163	0	9.702	N.D.	#
15)	ZM	1,2,4-Tri...	7.714	7.717	1854	2055	NoCal	0.174	#
16)	XH	C9-C10 AR...	10.410	8.424	39	70806	NoCal	6.003	#
17)	TM	Naphthalene	10.244	10.246	1350	1615	NoCal	0.158	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

5923w

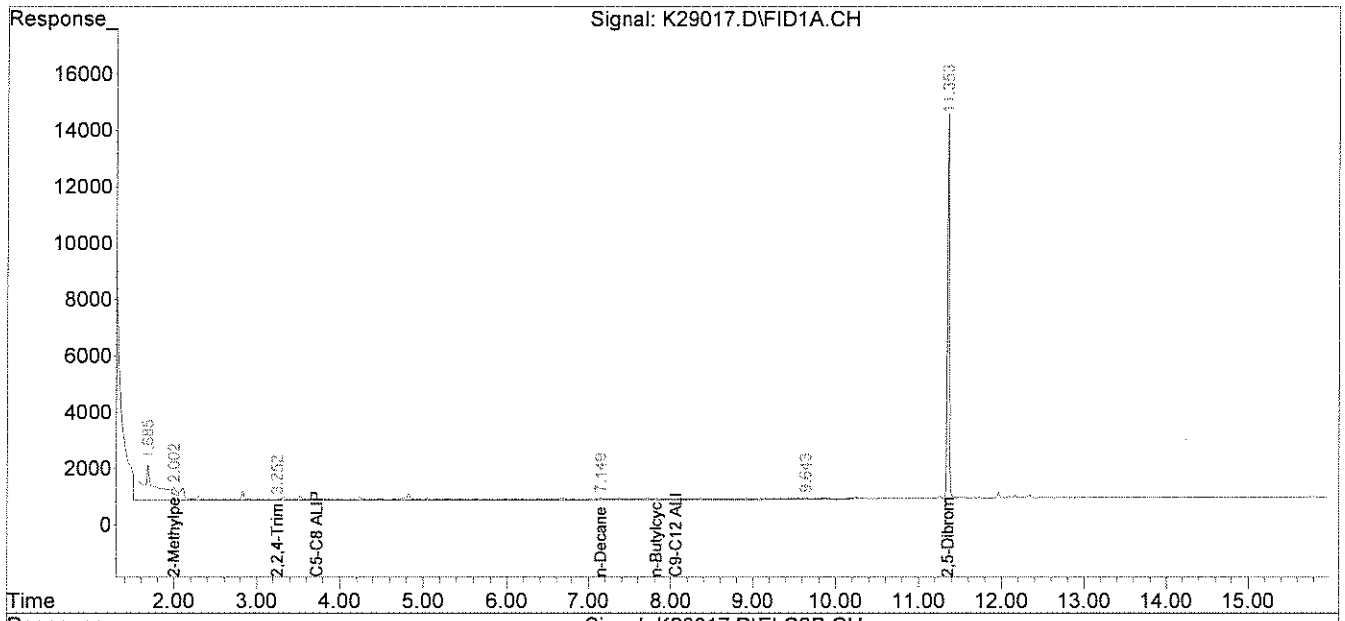
Quantitation Report (Not Reviewed)

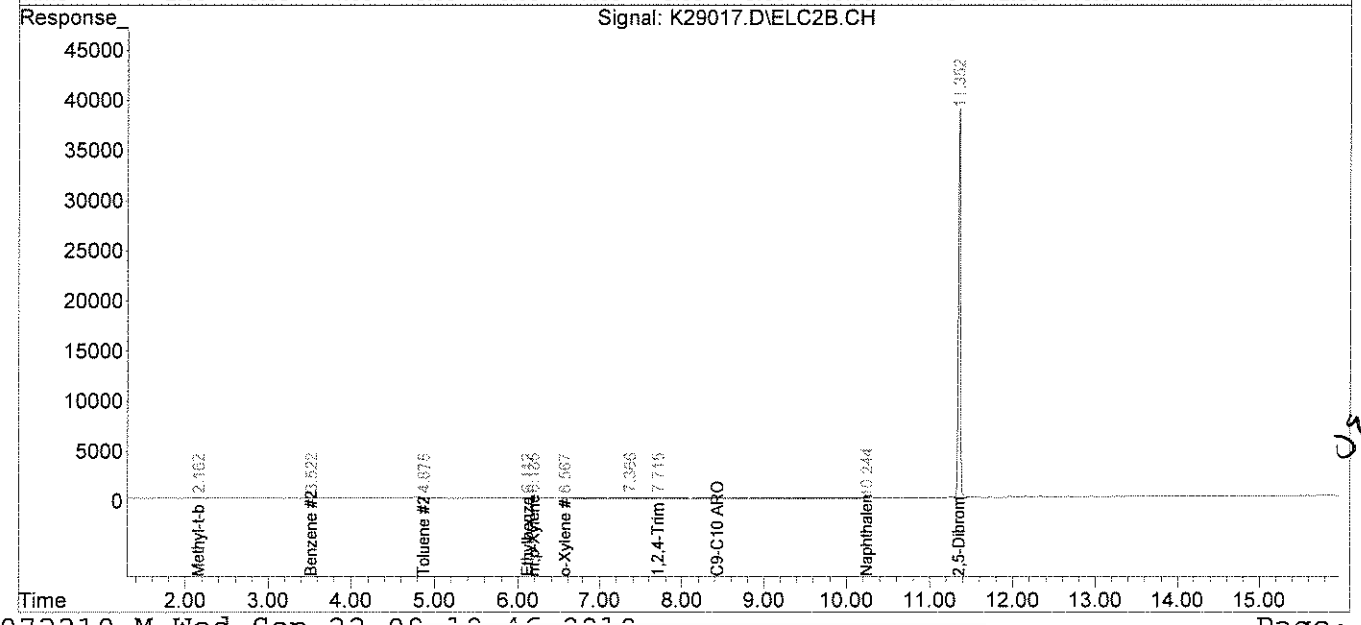
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29017.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 4:58 pm
Operator : JJL
Sample : 67833-16
Misc : 100,9.29,SOIL
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:18:47 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

VPH
QC FORMS

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67833

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV092110K	74		81	
LSV092110K2	79		87	
MBV092110K2	82		88	
67833-1	89		95	
67833-2	92		99	
67833-3	77		83	
67833-4	88		83	
67833-5	99		91	
67833-6	83		89	
67833-7	76		82	
67833-8	92		100	
67833-10	84		88	
67833-12	83		88	
67833-13	96		93	
67833-16	80		86	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67833

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV092110K3	92		83	
LSV092110K4	98		107	
MBV092110K3	83		88	
67833-6,MS	74		78	
67833-6,MSD	89		93	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67833

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV092210K	79		90	
LSV092210K2	102		118	
MBV092210K	81		92	
67833-9,RR	69	*	78	
67833-11	73		79	
67833-15	80		89	
67833-14,5X	112		103	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV092110K2
Spike: LSV092110K
Spike duplicate: LSV092110K2

9/22/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4637	93		4951	99		7	
2-Methylpentane	5000	5000	70	130	25	0	4503	90		4797	96		6	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	4941	99		5031	101		2	
n-Decane	5000	5000	70	130	25	0	4639	93		4923	98		6	
n-Butylcyclohexane	5000	5000	70	130	25	0	4437	89		4703	94		6	
Methyl-t-butylether #2	5000	5000	70	130	25	0	3945	79		4217	84		7	
Benzene #2	5000	5000	70	130	25	0	4291	86		4512	90		5	
Toluene #2	5000	5000	70	130	25	0	4272	85		4518	90		6	
Ethylbenzene #2	5000	5000	70	130	25	0	4168	83		4399	88		5	
m,p-Xylene #2	10000	10000	70	130	25	0	8597	86		9052	91		5	
o-Xylene #2	5000	5000	70	130	25	0	4069	81		4281	86		5	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4111	82		4340	87		5	
Naphthalene #2	5000	5000	70	130	25	0	3627	73		4010	80		10	
C5-C8 Aliphatics	15000	15000	70	130	25	0	14081	94		14778	99		5	
C9-C12 Aliphatics	10000	10000	70	130	25	0	9076	91		9626	96		6	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4111	82		4340	87		5	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

J92210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K28997Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:54 am
Operator : JJL
Sample : LSV092110K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 08:36:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.353	11.353	216385	640730	73.567	81.178	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	73.57%	81.18%
	Target Compounds							
1) Z	Pentane	1.560	1.560	648894	9334	92.733	NoCal	#
2) Z	2-Methylp...	2.010	2.010	737176	28544	90.067	NoCal	#
3) TM	Methyl-t-...	2.178	2.178	340780	367911	NoCal	78.891	#
4) Z	2,2,4-Tri...	3.280	3.280	762659	160797	98.830	NoCal	#
5) TM	Benzene	3.509	3.508	915852	1116815	NoCal	85.828	#
6) TM	Toluene	4.880	4.880	904981	1018953	NoCal	85.443	#
7) XH	C5-C8 ALI...	3.717	0.000	4550966	0	621.322	N.D.	#
9) TM	Ethylbenzene	6.121	6.120	892783	910709	NoCal	83.350	#
10) TM	m,p-Xylene	6.188	6.187	1816021	2157238	NoCal	171.945	#
11) TM	o-Xylene	6.558	6.557	900813	910397	NoCal	81.386	#
12) Z	n-Decane	7.152	7.151	639839	94911	92.775	NoCal	#
13) Z	n-Butylcy...	7.821	7.820	653306	389710	88.748	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	6459894	0	906.144	N.D.	#
15) ZM	1,2,4-Tri...	7.715	7.715	903955	969951	NoCal	82.227	#
16) XH	C9-C10 AR...	10.410	8.424	3	1525877	NoCal	129.356	#
17) TM	Naphthalene	10.244	10.243	515479	739418	NoCal	72.546	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

092210

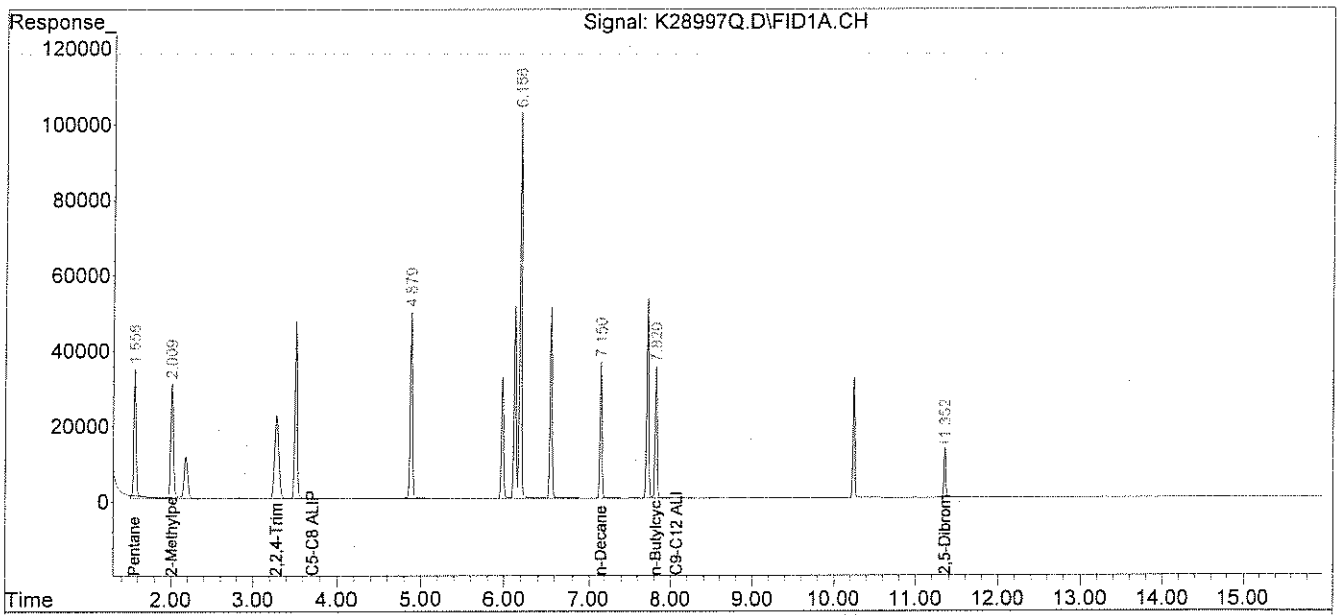
Quantitation Report (Not Reviewed)

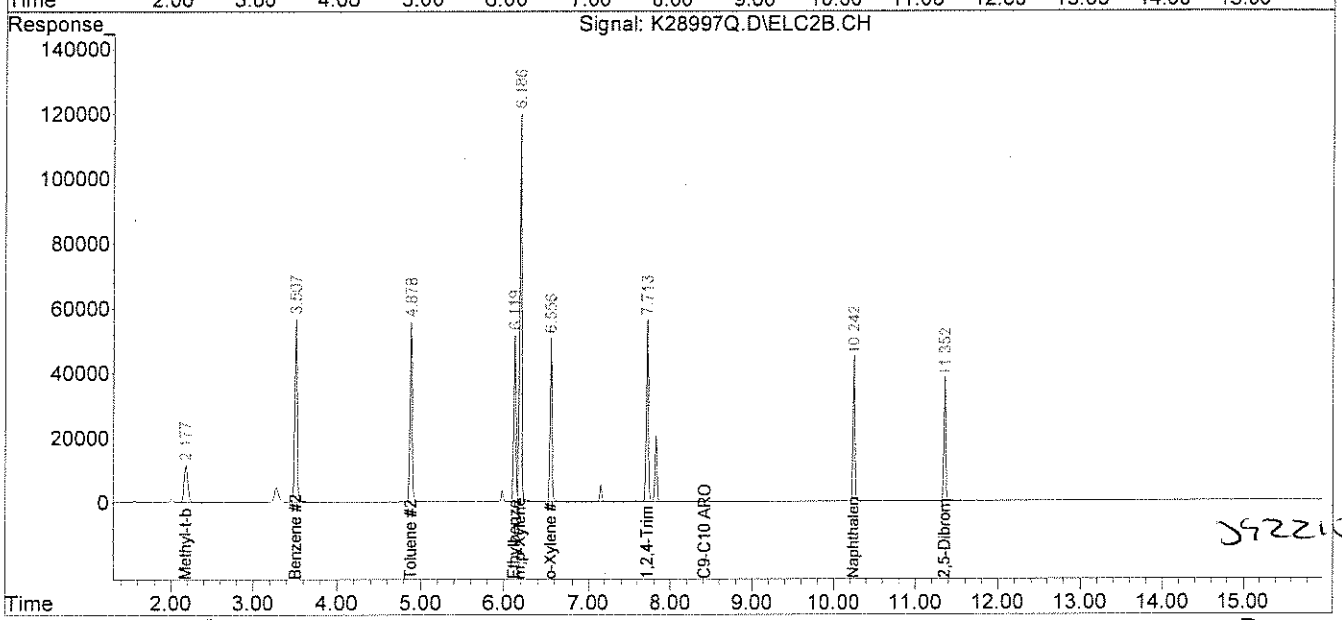
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K28997Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:54 am
Operator : JJL
Sample : LSV092110K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 08:36:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J92210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K28998Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 8:19 am
Operator : JJL
Sample : LSV092110K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 08:36:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.353	11.353	232895	686163	79.180	86.934	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 79.18% 86.93%							
		Target Compounds							
1)	Z	Pentane	1.561	1.561	692857	9487	99.016	NoCal	#
2)	Z	2-Methylp...	2.011	2.010	785209	29922	95.935	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	364831	393280	NoCal	84.331	#
4)	Z	2,2,4-Tri...	3.281	3.280	776410	163880	100.612	NoCal	#
5)	TM	Benzene	3.509	3.509	968015	1174242	NoCal	90.241	#
6)	TM	Toluene	4.881	4.880	953361	1077513	NoCal	90.353	#
7)	XH	C5-C8 ALI...	3.717	0.000	4785213	0	653.303	N.D.	#
9)	TM	Ethylbenzene	6.121	6.121	947296	961371	NoCal	87.987	#
10)	TM	m,p-Xylene	6.188	6.188	1920578	2271372	NoCal	181.042	#
11)	TM	o-Xylene	6.558	6.557	952591	957691	NoCal	85.614	#
12)	Z	n-Decane	7.152	7.151	679047	100596	98.461	NoCal	#
13)	Z	n-Butylcy...	7.821	7.821	692389	409774	94.057	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	6843455	0	959.947	N.D.	#
15)	ZM	1,2,4-Tri...	7.715	7.715	959301	1023898	NoCal	86.801	#
16)	XH	C9-C10 AR...	10.410	8.424	24	1608618	NoCal	136.370	#
17)	TM	Naphthalene	10.244	10.243	573659	817407	NoCal	80.198	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

S92210

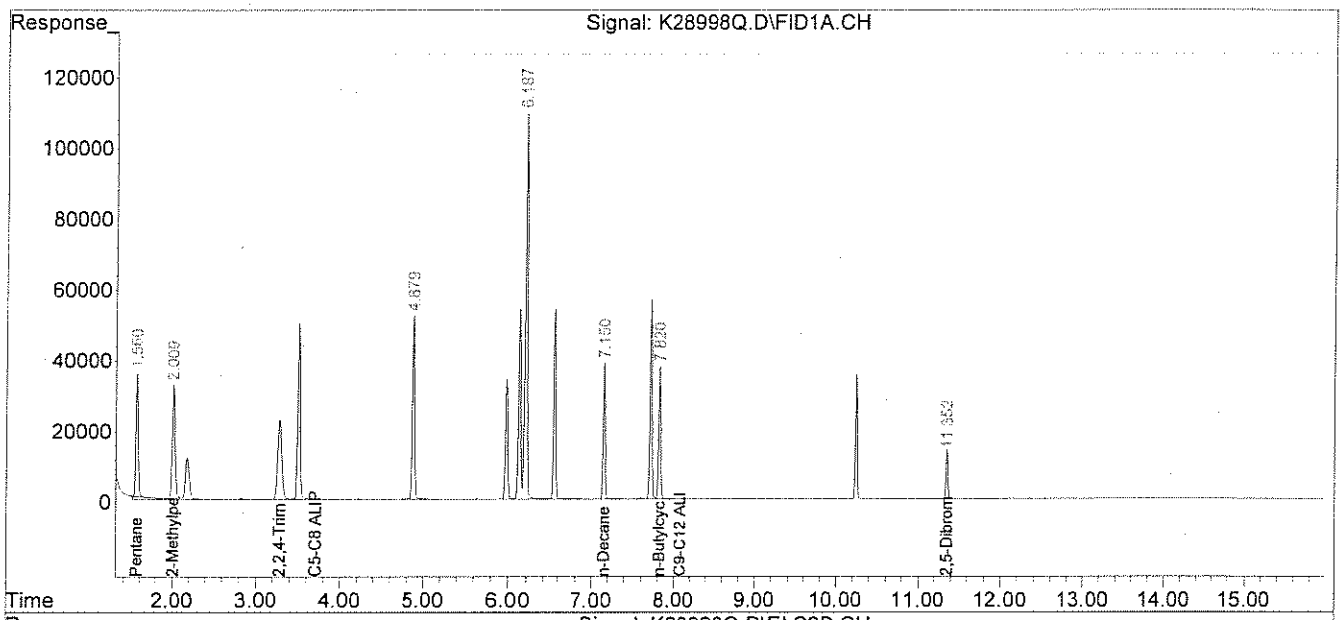
Quantitation Report (Not Reviewed)

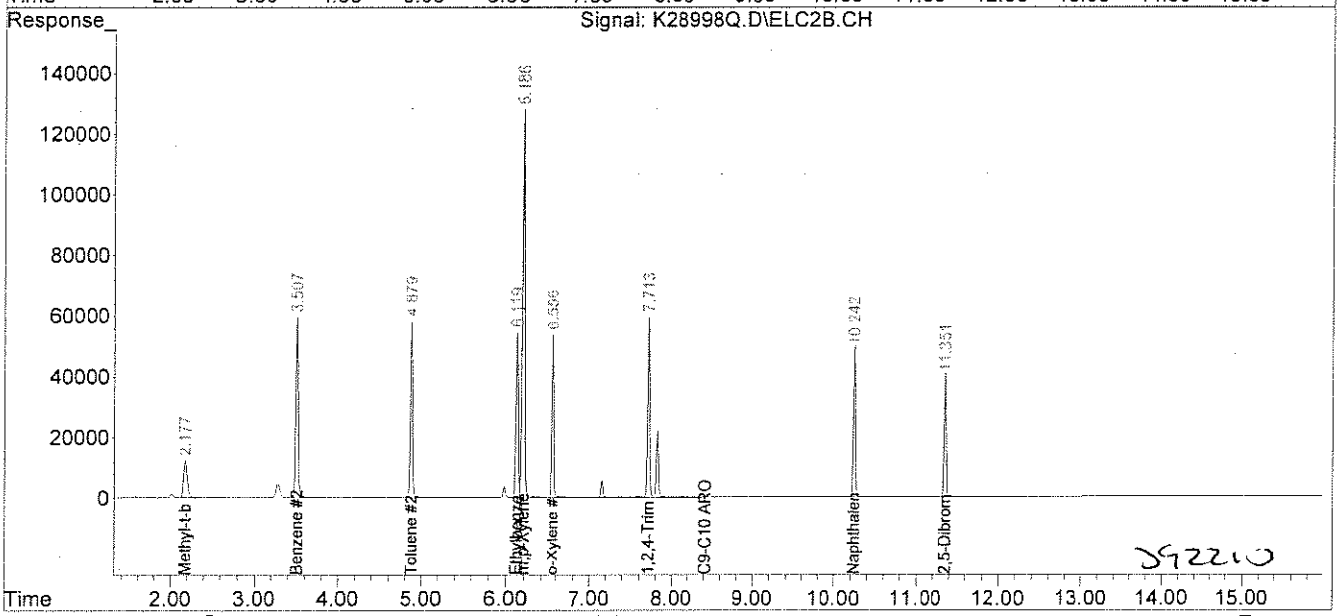
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K28998Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 8:19 am
Operator : JJL
Sample : LSV092110K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 08:36:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





S92210

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV092110K3
Spike: LSV092110K3
Spike duplicate: LSV092110K4

9/22/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4624	92		5949	119		25	*
2-Methylpentane	5000	5000	70	130	25	0	4512	90		5767	115		24	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	4983	100		5774	115		15	
n-Decane	5000	5000	70	130	25	0	4677	94		5968	119		24	
n-Butylcyclohexane	5000	5000	70	130	25	0	4599	92		5746	115		22	
Methyl-t-butylether #2	5000	5000	70	130	25	0	3946	79		5040	101		24	
Benzene #2	5000	5000	70	130	25	0	4300	86		5429	109		23	
Toluene #2	5000	5000	70	130	25	0	4278	86		5413	108		23	
Ethylbenzene #2	5000	5000	70	130	25	0	4157	83		5283	106		24	
m,p-Xylene #2	10000	10000	70	130	25	0	8579	86		10850	109		23	
o-Xylene #2	5000	5000	70	130	25	0	4078	82		5179	104		24	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4136	83		5242	105		24	
Naphthalene #2	5000	5000	70	130	25	0	3588	72		4736	95		28	*
C5-C8 Aliphatics	15000	15000	70	130	25	0	14118	94		17490	117		21	
C9-C12 Aliphatics	10000	10000	70	130	25	0	9276	93		11714	117		23	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4136	83		5242	105		24	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 2 RPD hits. LCS/LCSD are both in control. All ranges are in control.

092210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29020Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 6:36 pm
Operator : JJL
Sample : LSV092110K3
Misc : 100,10.00,SOIL
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:39:08 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	269628	658814	91.669	83.469	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 91.67% 83.47%							
		Target Compounds							
1)	Z	Pentane	1.560	1.560	647059	10077	92.471	NoCal	#
2)	Z	2-Methylp...	2.010	2.010	738530	29410	90.232	NoCal	#
3)	TM	Methyl-t-...	2.179	2.178	343953	368045	NoCal	78.920	#
4)	Z	2,2,4-Tri...	3.281	3.280	769093	161772	99.663	NoCal	#
5)	TM	Benzene	3.509	3.509	931685	1119037	NoCal	85.999	#
6)	TM	Toluene	4.881	4.880	922685	1020300	NoCal	85.556	#
7)	XH	C5-C8 ALI...	3.717	0.000	4554069	0	621.746	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	909552	908491	NoCal	83.147	#
10)	TM	m,p-Xylene	6.189	6.188	1861803	2152702	NoCal	171.583	#
11)	TM	o-Xylene	6.559	6.558	954347	912337	NoCal	81.559	#
12)	Z	n-Decane	7.152	7.152	645053	92593	93.531	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	677122	382517	91.984	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	6443385	0	903.828	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	938007	975821	NoCal	82.725	#
16)	XH	C9-C10 AR...	10.410	8.424	30	1523601	NoCal	129.163	#
17)	TM	Naphthalene	10.245	10.245	571038	731411	NoCal	71.761	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J92210

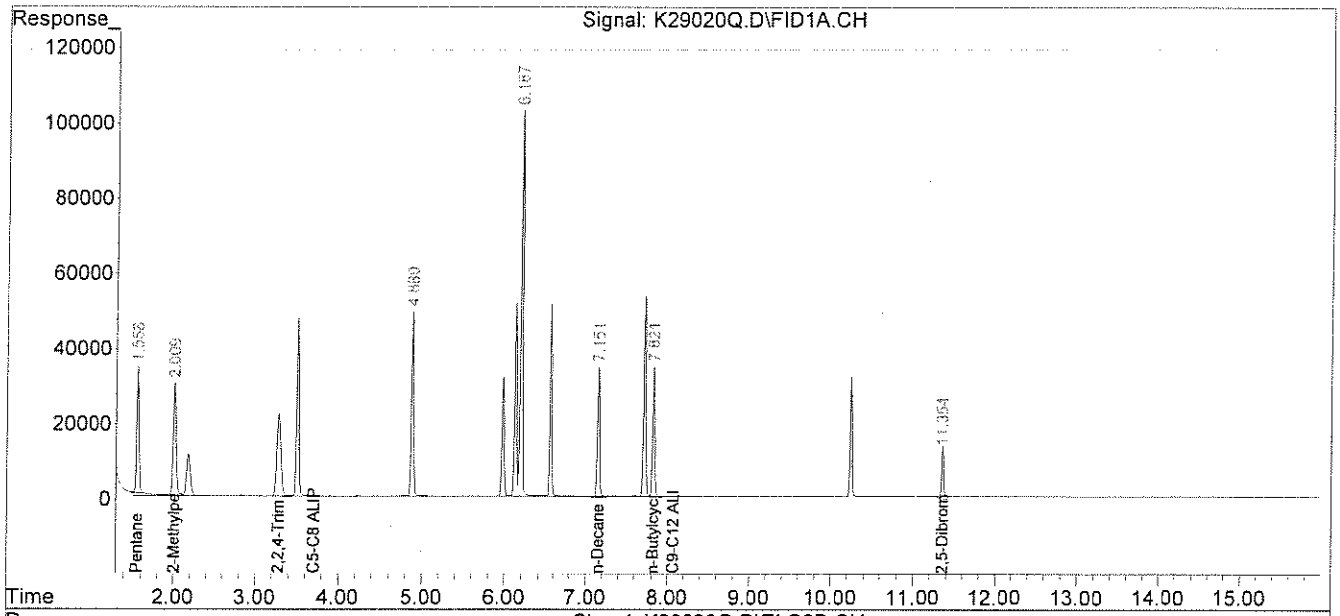
Quantitation Report (Not Reviewed)

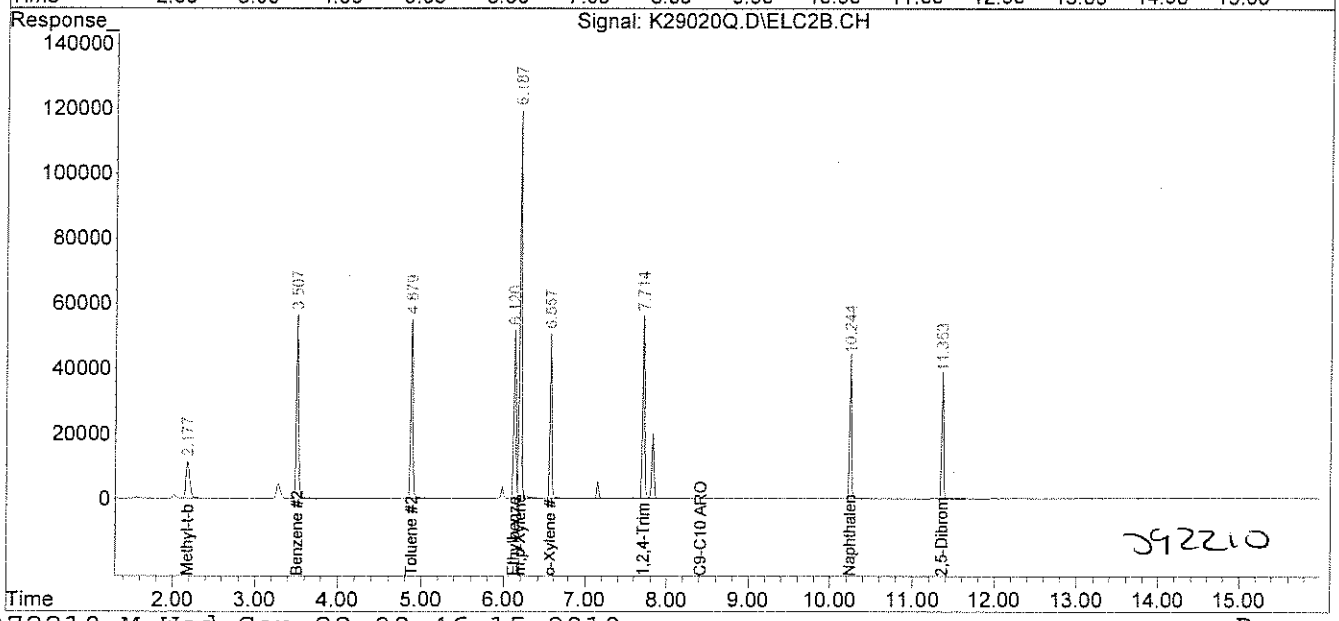
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29020Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 6:36 pm
Operator : JJL
Sample : LSV092110K3
Misc : 100,10.00,SOIL
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:39:08 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

86 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J92210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29021Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:00 pm
Operator : JJL
Sample : LSV092110K4
Misc : 100,10.00,SOIL
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:39:13 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.354	288291	843257	98.014	106.837	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 98.01% 106.84%							
		Target Compounds							
1)	Z	Pentane	1.562	1.562	832535	11785	118.978	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	944072	35244	115.345	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	442654	470091	NoCal	100.802	#
4)	Z	2,2,4-Tri...	3.282	3.281	891103	186012	115.474	NoCal	#
5)	TM	Benzene	3.510	3.509	1173547	1412889	NoCal	108.581	#
6)	TM	Toluene	4.881	4.881	1155787	1290972	NoCal	108.252	#
7)	XH	C5-C8 ALI...	3.717	0.000	5685116	0	776.163	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	1149173	1154528	NoCal	105.665	#
10)	TM	m,p-Xylene	6.189	6.188	2326834	2722555	NoCal	217.004	#
11)	TM	o-Xylene	6.559	6.558	1156742	1158575	NoCal	103.572	#
12)	Z	n-Decane	7.152	7.152	823219	120404	119.365	NoCal	#
13)	Z	n-Butylcy...	7.822	7.821	845964	495368	114.920	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	8319186	0	1166.951	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.715	1170050	1236627	NoCal	104.835	#
16)	XH	C9-C10 AR...	10.410	8.424	97	1921105	NoCal	162.861	#
17)	TM	Naphthalene	10.245	10.245	685002	965477	NoCal	94.725	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

092110

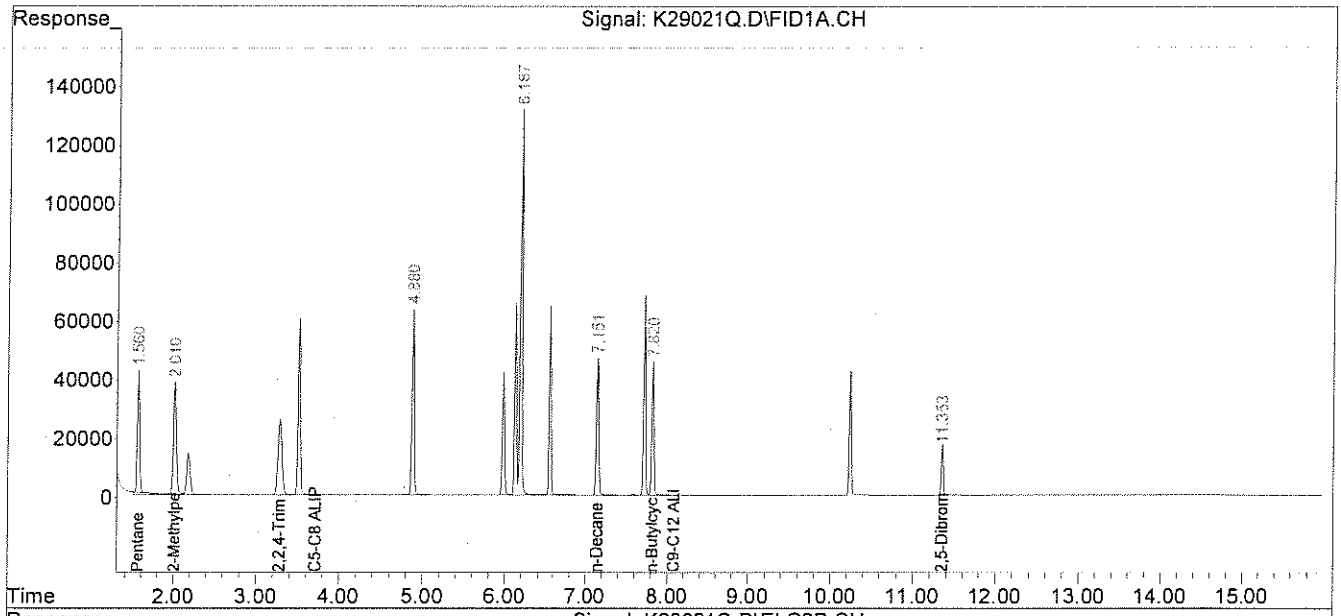
Quantitation Report (Not Reviewed)

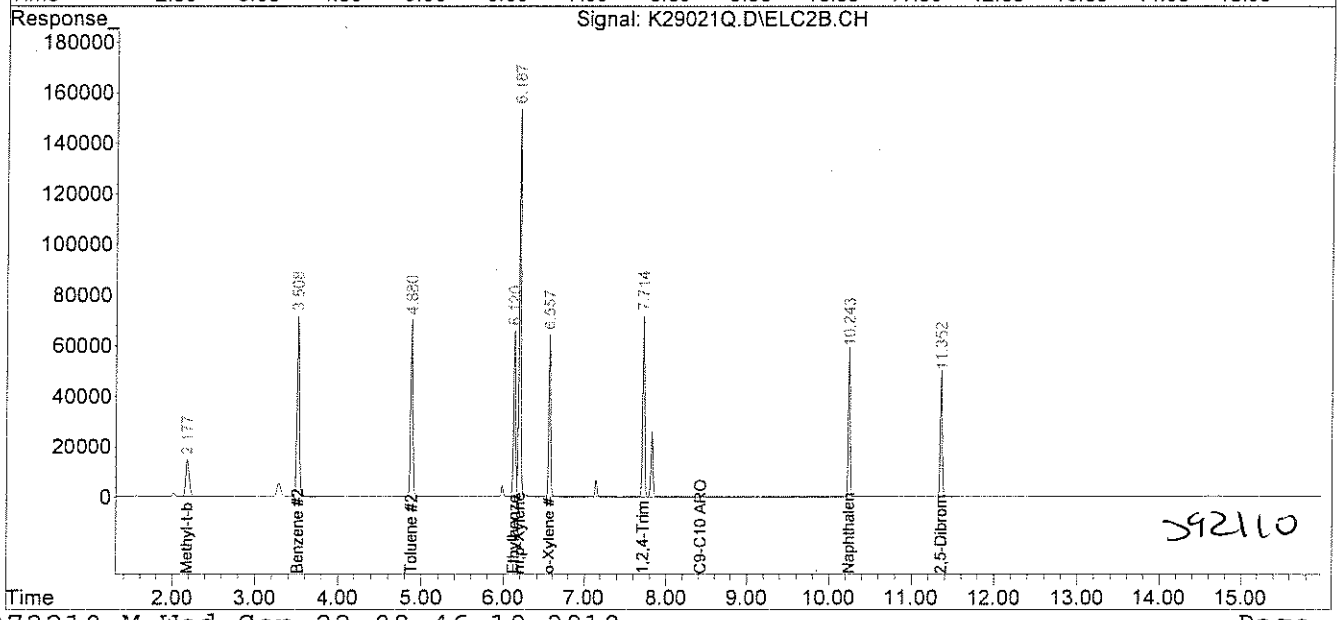
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29021Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:00 pm
Operator : JJL
Sample : LSV092110K4
Misc : 100,10.00,SOIL
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:39:13 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





S92110

VOLATILE PETROLEUM HYDROCARBONS SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67833-6
Spike: 67833-6,MS
Spike duplicate: 67833-6,MSD

9/22/10

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5353	5547	70	130	25	0	4373	82		5668	102		26	*
2-Methylpentane	5353	5547	70	130	25	0	4299	80		5546	100		25	*
2,2,4-Trimethylpentane	5353	5547	70	130	25	0	4770	89		6068	109		24	
n-Decane	5353	5547	70	130	25	0	3699	69	*	5154	93		33	*
n-Butylcyclohexane	5353	5547	70	130	25	0	3895	73		5126	92		27	*
Methyl-t-butylether #2	5353	5547	70	130	25	0	3889	73		5047	91		26	*
Benzene #2	5353	5547	70	130	25	0	4310	81		5507	99		24	
Toluene #2	5353	5547	70	130	25	0	4290	80		5486	99		24	
Ethylbenzene #2	5353	5547	70	130	25	0	4183	78		5339	96		24	
m,p-Xylene #2	10706	11095	70	130	25	0	8619	81		10983	99		24	
o-Xylene #2	5353	5547	70	130	25	0	4105	77		5233	94		24	
1,2,4-Trimethylbenzene #2	5353	5547	70	130	25	0	4192	78		5295	95		23	
Naphthalene #2	5353	5547	70	130	25	0	3471	65	*	4596	83		28	*
C5-C8 Aliphatics	16059	16642	70	130	25	0	13443	84		17282	104		25	
C9-C12 Aliphatics	10706	11095	70	130	25	0	7594	71		10279	93		30	*
C9-C10 Aromatics #2	5353	5547	70	130	25	0	4192	78		5295	95		23	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: ↓ n-Decane and Naphthalene #2. Spike Dup and LCS/LCSD are in control.

JG 22 10

VPH FORM 3

VOLATILE PETROLEUM HYDROCARBONS SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

	Conversion Worksheet						Moisture
Sample	Misc Info	Amt (uL) Analyzed	Wt (g) Extracted	Final Vol MeoH	% Solid	CF	Corrected CF
67833-6	100,8.50,SOIL	100	8.50	10	0.9095	64.676778	69.652039
67833-6,MS	100,10.27,SOIL	100	10.27	10	0.9095	53.529952	58.505214
67833-6,MSD	100,9.91,SOIL	100	9.91	10	0.9095	55.474532	60.449793

SB 9/22/10

J92210

VPH FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29039SP.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:25 am
Operator : JJL
Sample : 67833-6,MS
Misc : 100,10.27,SOIL
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:24:08 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
18)	S	2,5-Dibro...	11.354	11.353	198046	566482	67.332	71.771
		Spiked Amount 100.000 Range 70 - 130 Recovery = 67.33%# 71.77%						
		Target Compounds						
1)	Z	Pentane	1.561	1.561	523080	6961	74.753	NoCal #
2)	Z	2-Methylp...	2.011	2.011	601378	21411	73.475	NoCal #
3)	TM	Methyl-t-...	2.179	2.178	299834	310016	NoCal	66.477 #
4)	Z	2,2,4-Tri...	3.281	3.281	629228	127634	81.539	NoCal #
5)	TM	Benzene	3.509	3.509	807324	958643	NoCal	73.672 #
6)	TM	Toluene	4.881	4.881	795243	874451	NoCal	73.326 #
7)	XH	C5-C8 ALI...	3.717	0.000	3906882	0	533.389	N.D. #
9)	TM	Ethylbenzene	6.121	6.121	789044	781134	NoCal	71.491 #
10)	TM	m,p-Xylene	6.188	6.188	1598639	1848195	NoCal	147.312 #
11)	TM	o-Xylene	6.558	6.558	799274	784910	NoCal	70.168 #
12)	Z	n-Decane	7.152	7.152	436076	63104	63.230	NoCal #
13)	Z	n-Butylcy...	7.821	7.821	490026	285684	66.568	NoCal #
14)	XH	C9-C12 AL...	8.070	0.000	5427779	0	761.367	N.D. #
15)	ZM	1,2,4-Tri...	7.716	7.715	810850	845149	NoCal	71.647 #
16)	XH	C9-C10 AR...	10.410	8.424	51	1261006	NoCal	106.901 #
17)	TM	Naphthalene	10.245	10.244	436546	604745	NoCal	59.333 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J92210

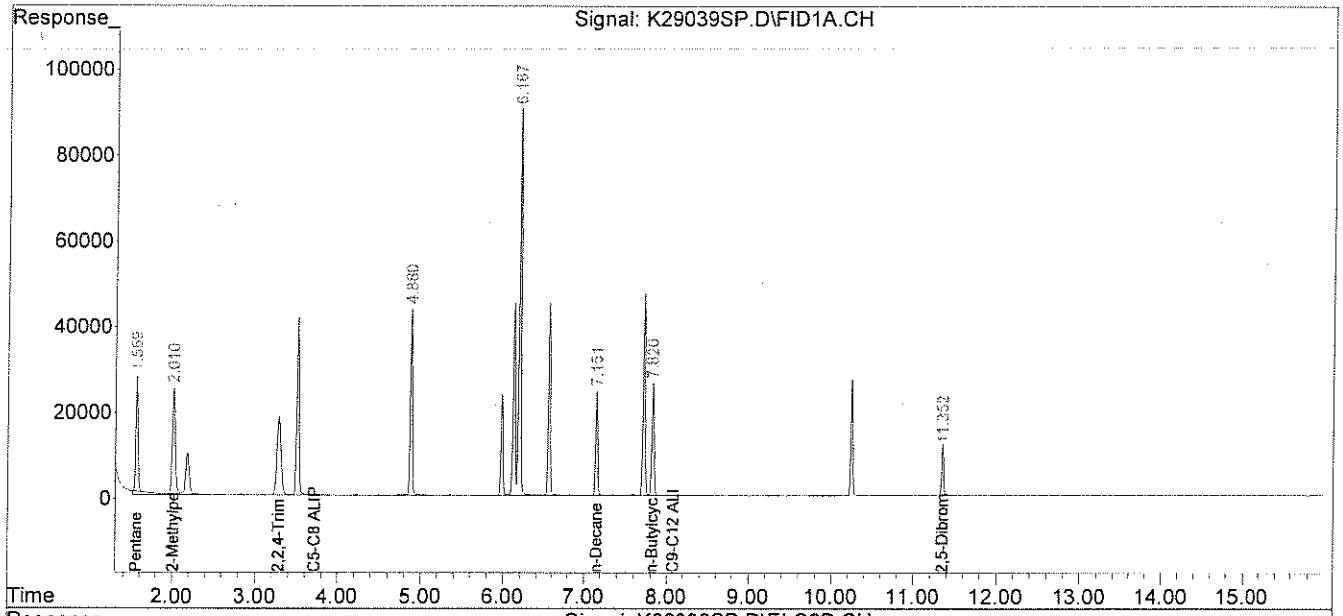
Quantitation Report (Not Reviewed)

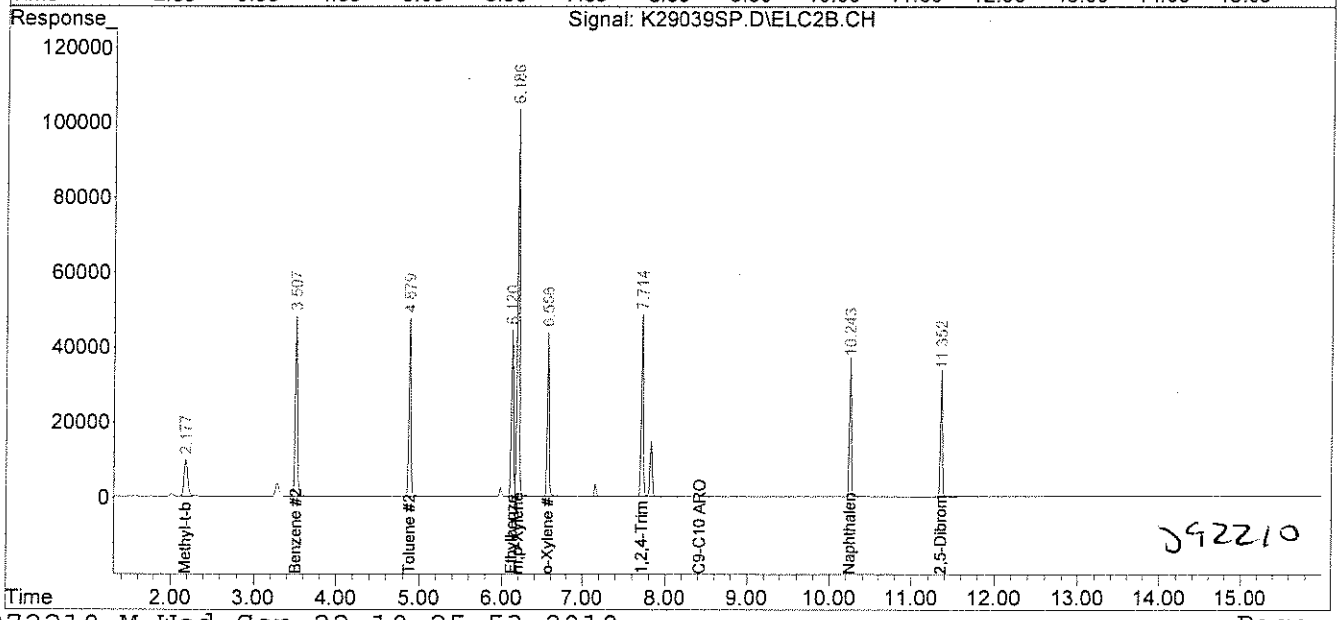
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29039SP.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:25 am
Operator : JJL
Sample : 67833-6,MS
Misc : 100,10.27,SOIL
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:24:08 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





D92210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29040SP.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:50 am
Operator : JJL
Sample : 67833-6,MSD
Misc : 100,9.91,SOIL
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:24:12 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

BB 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	239356	675631	81.377	85.599	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	81.38%	85.60%
	Target Compounds							
1) Z	Pentane	1.561	1.561	656110	8752	93.765	NoCal	#
2) Z	2-Methylp...	2.011	2.011	750978	26033	91.753	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	377290	389387	NoCal	83.496	#
4) Z	2,2,4-Tri...	3.281	3.281	774603	157205	100.377	NoCal	#
5) TM	Benzene	3.510	3.509	1001650	1185447	NoCal	91.102	#
6) TM	Toluene	4.881	4.881	988850	1082208	NoCal	90.747	#
7) XH	C5-C8 ALI...	3.717	0.000	4811496	0	656.891	N.D.	#
9) TM	Ethylbenzene	6.122	6.121	975612	965055	NoCal	88.324	#
10) TM	m,p-Xylene	6.188	6.188	1981100	2279541	NoCal	181.693	#
11) TM	o-Xylene	6.558	6.558	992458	968437	NoCal	86.575	#
12) Z	n-Decane	7.152	7.151	587969	83643	85.254	NoCal	#
13) Z	n-Butylcy...	7.822	7.821	624173	361088	84.791	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	6775456	0	950.409	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	992192	1033286	NoCal	87.596	#
16) XH	C9-C10 AR...	10.410	8.424	28	1552436	NoCal	131.607	#
17) TM	Naphthalene	10.245	10.244	557431	774962	NoCal	76.033	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J92210

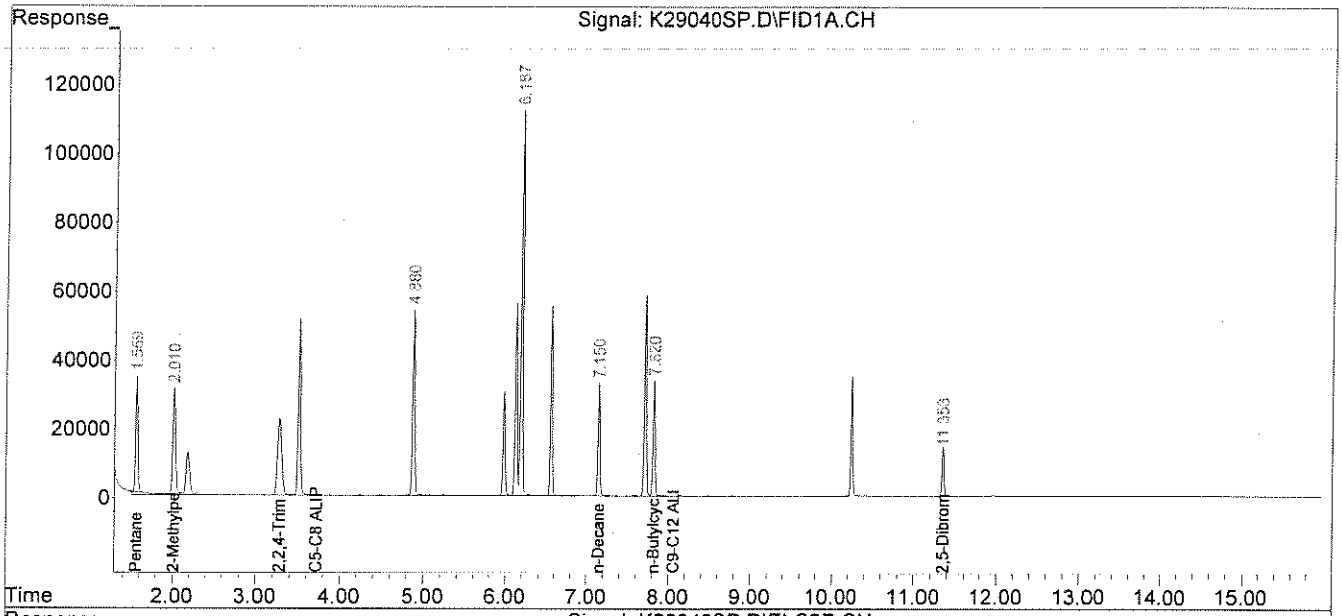
Quantitation Report (Not Reviewed)

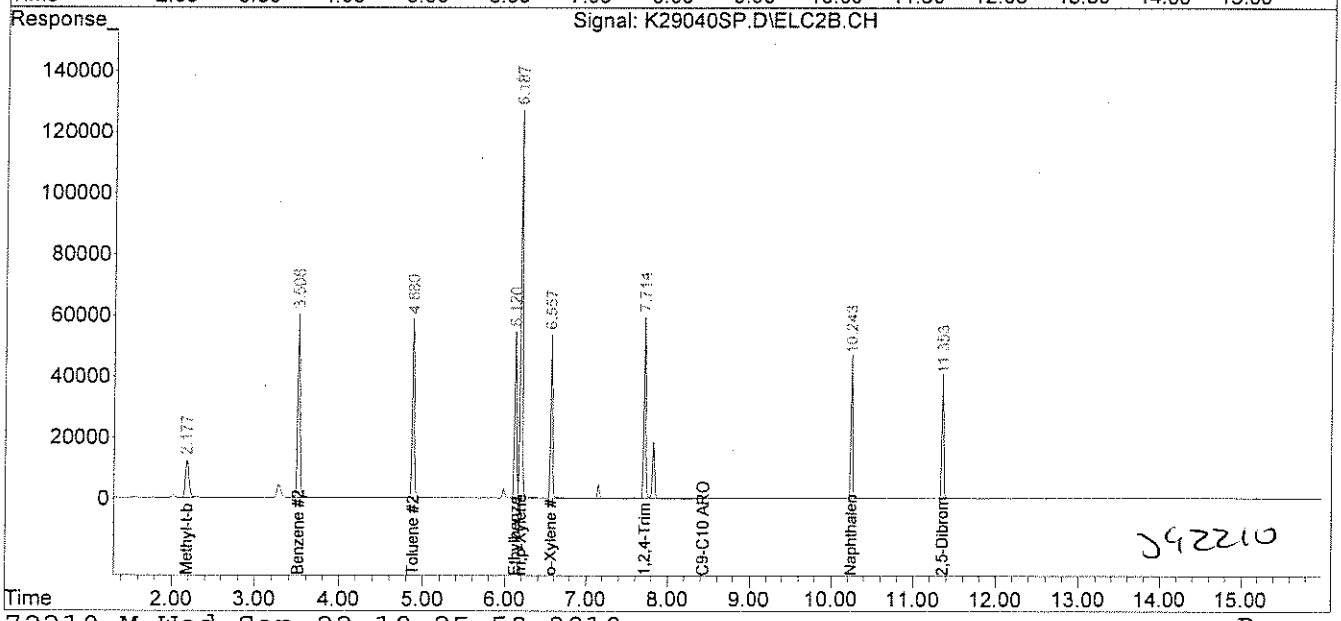
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29040SP.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:50 am
Operator : JJL
Sample : 67833-6,MSD
Misc : 100,9.91,SOIL
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:24:12 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J42210

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV092210K
Spike: LSV092210K
Spike duplicate: LSV092210K2

gg 9/23/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4926	99		6006	120		20	
2-Methylpentane	5000	5000	70	130	25	0	4783	96		5785	116		19	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	5200	104		5430	109		4	
n-Decane	5000	5000	70	130	25	0	5172	103		6344	127		20	
n-Butylcyclohexane	5000	5000	70	130	25	0	4829	97		5908	118		20	
Methyl-t-butylether #2	5000	5000	70	130	25	0	4163	83		5444	109		27	*
Benzene #2	5000	5000	70	130	25	0	4727	95		5890	118		22	
Toluene #2	5000	5000	70	130	25	0	4744	95		5930	119		22	
Ethylbenzene #2	5000	5000	70	130	25	0	4623	92		5719	114		21	
m,p-Xylene #2	10000	10000	70	130	25	0	9508	95		11691	117		21	
o-Xylene #2	5000	5000	70	130	25	0	4556	91		5625	113		21	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4634	93		5686	114		20	
Naphthalene #2	5000	5000	70	130	25	0	3706	74		5355	107		36	*
C5-C8 Aliphatics	15000	15000	70	130	25	0	14909	99		17221	115		14	
C9-C12 Aliphatics	10000	10000	70	130	25	0	10002	100		12253	123		20	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4634	93		5686	114		20	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 2 RPD hits. LCS/LCSD are within control.

J92410

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29045Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 10:09 am
Operator : JJL
Sample : LSV092210K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:26:15 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
18) S 2,5-Dibro...	11.353	11.352	232662	708643	79.101	89.782
Spiked Amount	100.000	Range	70 - 130	Recovery	=	79.10% 89.78%
Target Compounds						
1) Z Pentane	1.560	1.560	689370	12617	98.518	NoCal #
2) Z 2-Methylp...	2.010	2.010	782964	38705	95.661	NoCal #
3) TM Methyl-t-...	2.178	2.178	361042	388276	NoCal	83.258 #
4) Z 2,2,4-Tri...	3.281	3.280	802494	181435	103.992	NoCal #
5) TM Benzene	3.509	3.508	997981	1230123	NoCal	94.536 #
6) TM Toluene	4.880	4.880	980714	1131577	NoCal	94.887 #
7) XH C5-C8 ALI...	3.717	0.000	4890099	0	667.623	N.D. #
9) TM Ethylbenzene	6.121	6.121	973204	1010337	NoCal	92.468 #
10) TM m,p-Xylene	6.188	6.187	1970334	2385647	NoCal	190.150 #
11) TM o-Xylene	6.557	6.557	986340	1019293	NoCal	91.121 #
12) Z n-Decane	7.151	7.151	713447	119096	103.449	NoCal #
13) Z n-Butylcy...	7.821	7.821	711028	443023	96.589	NoCal #
14) XH C9-C12 AL...	8.070	0.000	7075922	0	992.556	N.D. #
15) ZM 1,2,4-Tri...	7.715	7.714	993418	1093329	NoCal	92.687 #
16) XH C9-C10 AR...	10.410	8.424	17	1757793	NoCal	149.016 #
17) TM Naphthalene	10.244	10.243	513434	755390	NoCal	74.113 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

JJL 9/23/10

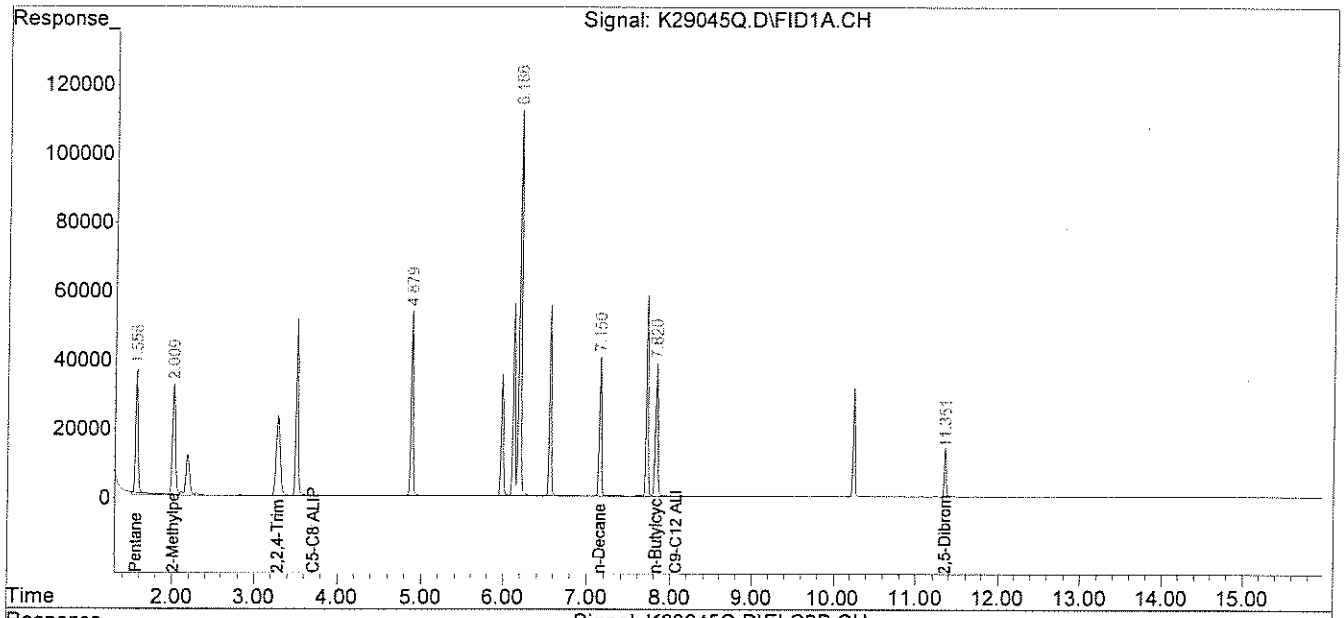
Quantitation Report (Not Reviewed)

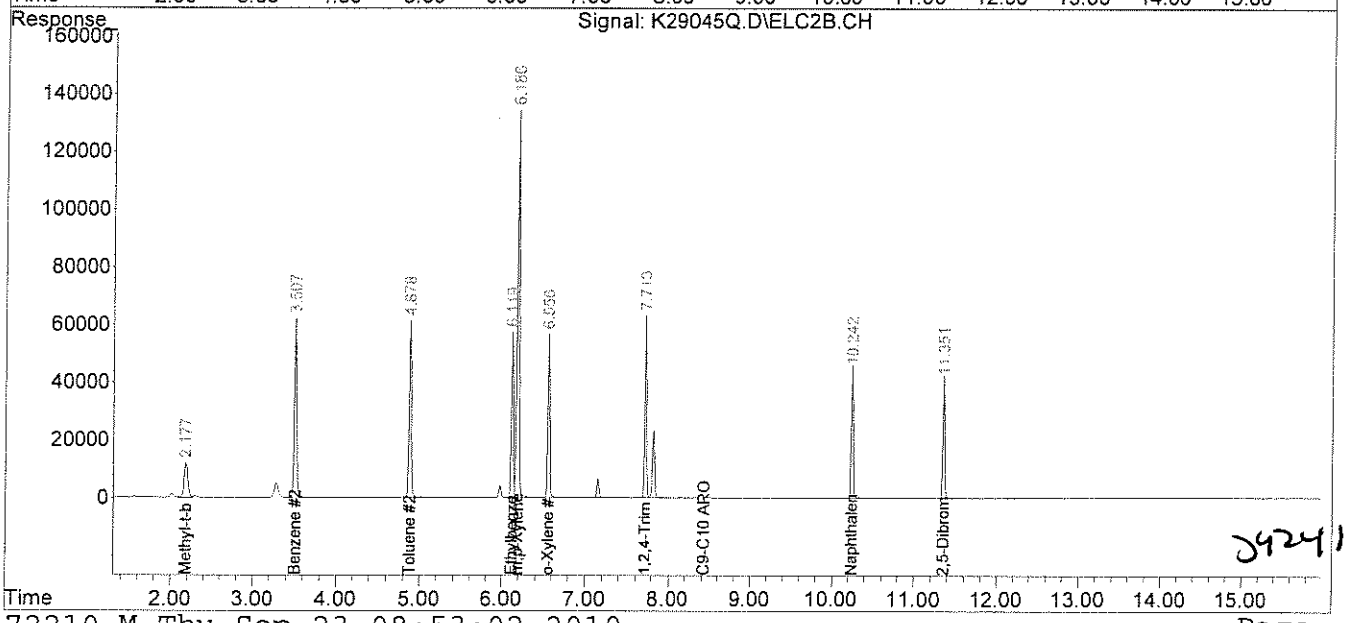
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29045Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 10:09 am
Operator : JJL
Sample : LSV092210K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:26:15 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J 9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29046Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 10:34 am
Operator : JJL
Sample : LSV092210K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:50:47 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.353	11.352	300447	931511	102.147	118.018	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 102.15% 118.02%							
		Target Compounds							
1)	Z	Pentane	1.563	1.562	840539	18389	120.122	NoCal	#
2)	Z	2-Methylp...	2.010	2.010	946966	51740	115.699	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	464089	507778	NoCal	108.883	#
4)	Z	2,2,4-Tri...	3.280	3.280	838015	197791	108.595	NoCal	#
5)	TM	Benzene	3.509	3.508	1216618	1532865	NoCal	117.802	#
6)	TM	Toluene	4.880	4.880	1193564	1414365	NoCal	118.599	#
7)	XH	C5-C8 ALI...	3.717	0.000	5759660	0	786.340	N.D.	#
9)	TM	Ethylbenzene	6.121	6.120	1182465	1249827	NoCal	114.387	#
10)	TM	m,p-Xylene	6.188	6.187	2397431	2933647	NoCal	233.829	#
11)	TM	o-Xylene	6.557	6.557	1197074	1258479	NoCal	112.503	#
12)	Z	n-Decane	7.151	7.151	875106	152145	126.889	NoCal	#
13)	Z	n-Butylcy...	7.820	7.820	869852	550061	118.165	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	8613371	0	1208.217	N.D.	#
15)	ZM	1,2,4-Tri...	7.714	7.714	1202398	1341336	NoCal	113.711	#
16)	XH	C9-C10 AR...	10.410	8.424	185	2146554	NoCal	181.973	#
17)	TM	Naphthalene	10.243	10.243	734558	1091624	NoCal	107.102	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

JJL 9/24/10

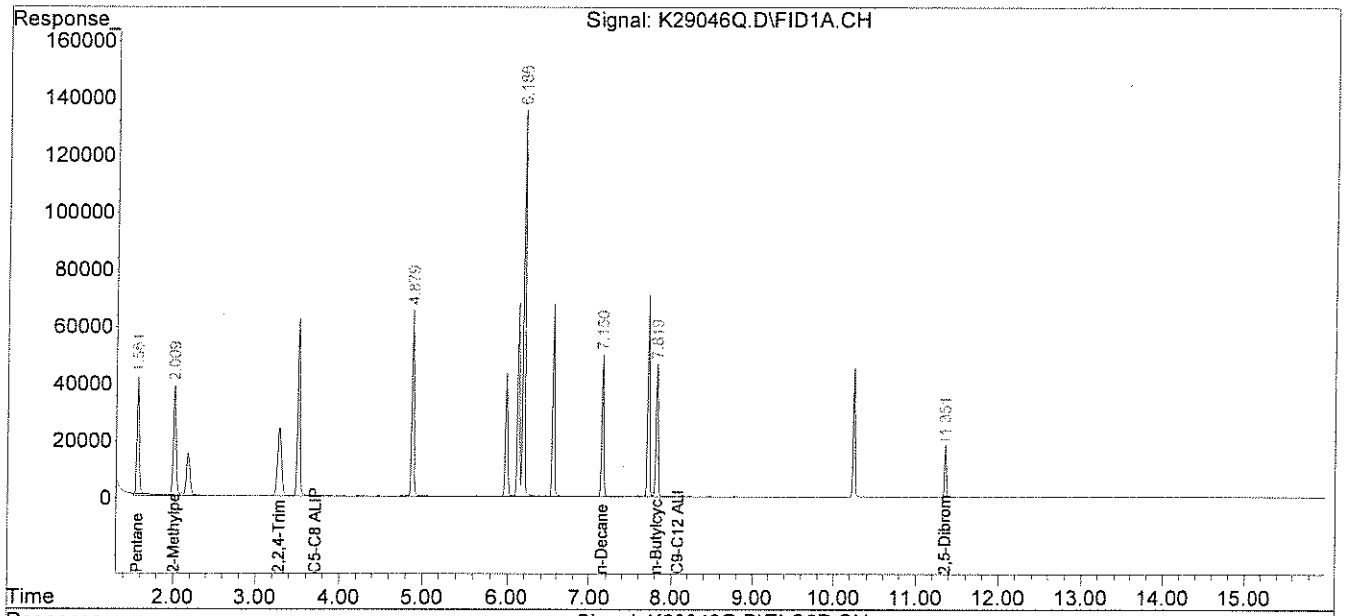
Quantitation Report (Not Reviewed)

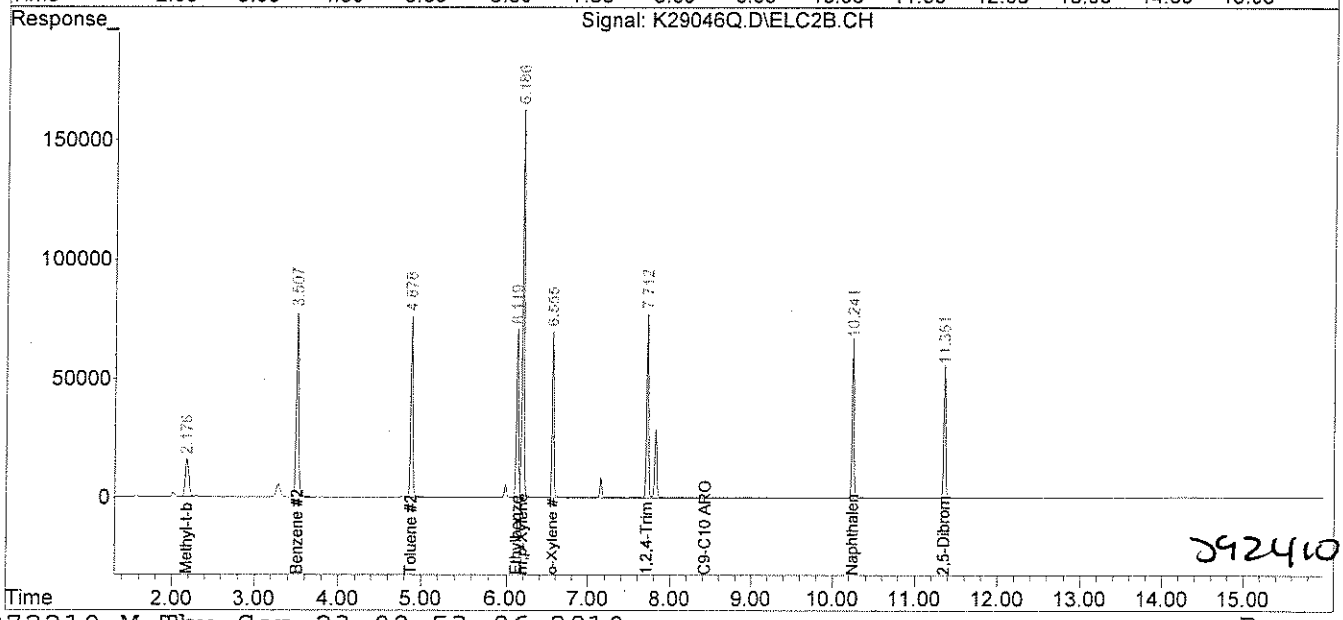
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29046Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 10:34 am
Operator : JJL
Sample : LSV092210K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:50:47 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092410

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: 98

Unload: 98

072210-K

VPH Surrogate: –

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	~~07~~ VPH072210.M	BLK	5ml	–	–		K27978	JJL	n/a
2		VPH 100		200ul	V8896	✓, changed trap + baked	79SC		
3		BLK		–	–		80		
4		VPH 100		200ul	V8896	✓	81SC		
5		LSV072210K	100ml/5ml	5ul	V8899	↑ Pentane, changed sponge tube	82Q		
6		BLK	5ml	–	–		83		
7		LSV072210K.RR	100ml/5ml	5ul	V8899	↑ Pentane, Recal	84Q		
8		BLK	5ml	–	–	co concern	85		
9		VPH 1		2ul	V8910	✓	86SI		
10		VPH 2		4ul		✓	87SI		
11		VPH 5		10ul		✓	88SI		
12		VPH 20		40ul		✓	89SI		
13		VPH 50		100ul		✓	90SI		
14		VPH 100		200ul		✓	91SI		
15		VPH 200		400ul		✓	92SI		
16		BLK		–	–	co concern	93		
17		VPH 500		1ml	V8910	✓	94SI		
18		BLK		–	–	co concern	95		
19		LV072210K.ICV		100ul	V8998	✓	96Q		
20		VPH 100		200ul	V8910	✓ Test theory on instr.	97		

98 7/23/10

Analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

092110-K

VPH Surrogate: ① V9034 x 3/17/11 ② V9040 x 3/21/11

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments		File #	Analyst	pH
1	VPH072210.m	BLK	5ml	–	–			K28995	JJL	n/a
2		VPH 100		200ul	V9035	✓		96		
3		LSV092110K	100ul/5ml	5ul	V9033	✓		97		
4		LSV092110K2				✓		98		
5		BLK	5ml	–	–			99		
6		MBV092110K	100ul/5ml	10ul	V9034	succ fails, Remake std.		K29000B		
7		MBV092110K2		10ul	V9040	✓		01B		
8		67833-1	100ul/5ml		①	✓		02		
9		-2				✓		03		
10		-3				✓		04		
11		-4				✓		05		
12		-5				✓		06		
13		-6				✓		07		
14		-7				✓		08		
15		-8				✓		09		
16		-9				RR str.		10		
17		-10				✓		11		
18		-11				RR str.		12		
19		-12				✓		13		
20		-13				✓		14		
21		-14				RR SX		15		
22		-15				RR str.		16		
23		-16				✓		17		
24		67835-6				✓		18		
25		VPH 100	5ml	200ul	V9035	✓		19SC		
26		~~VPH 100~~ LSV092110K3	100ul/5ml	5ul	V9033	✓	~~2 RPD hits, write memo~~	20		
27		LSV092110K4				✓		21 Q		
28		BLK	5ml	–	–			22		
29		MBV092110K3	100ul/5ml	10ul	V9040	✓		23B		
30		67834-1			②	✓	8:28	24		
31		-2				✓	9:15	25		
32		-3				✓	10:95	26		
33		-4				✓	7:97	27		
34		-5				RR	8:26	28		
35		-7				RR str.	9:54	29		
36		-8				✓	8:58	30		
37		-11				✓	7:81	31		
38		-12				✓	8:51	32		
39		-14				✓	10:33	33		
40		-15				✓	10:00	34		

(cont.)

Analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: AS

Unload: AS

092110-K (cont.)

VPH Surrogate: (2) V9040 x-3/21/11

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution		Comments	File #	Analyst	pH
41	VPH072210.m	67834-16	100ml/5ml	10ml	(2)	✓	892	K29035	JJL	n/A
42		-17				✓	853	36		
43		-18				✓	9:35	37		
44		-19				✓	790	38		
45		67833-6,MS		5ml	V9033	✓	10:27	39SP		
46		-6,MSD				✓	9:91	40SP		
47		VPH100	5ml	200ml ~~K9035~~	V9035	✓		41SC		
48		VPH100		200ml		✓		42SC		

AS 9/22/10

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

092210-K

VPH Surrogate: ① V9040 x. 3/21/11

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments		File #	Analyst	pH
1	VPH072210.m	BLK	5ml	–	–			K29043	JJL	N/A
2		VPH 100	⊥	200ul	V9035	✓		44		
3		LSV092210K	100ul/5ml	5ul	V9033	✓	2 RPD hits all ranges ok	45		
4		LSV092210K2	⊥	⊥	⊥	✓		46		
5		BLK	5ml	–	–			47		
6		MBV092210K	100ul/5ml	10ul	V9040	✓		48		
7		67833-9			①	✓	10.04	49		
8		⊥ -11				✓	7.74	50		
9		⊥ -15				✓	9.48	51		
10		67834-7		⊥	⊥	✓	9.54	52		
11		⊥ -18,MS		5ul	V9033	✓	9.53	53		
12		⊥ -18,MSD		⊥	⊥	✓	8.08	54		
13		67833-14,5X	20ul/5ml	10ul	①	✓	9.49	55		
14		67834-5,5X				✓	8.26	56		
15		67807-3,5X	⊥	⊥	⊥	✓	8.37	57		
16		VPH 100	5ml	200ul	V9035	✓		58SC		
17	⊥	VPH 100	⊥	⊥	⊥	✓		59SC	⊥	⊥

gg 9/28/10

Response Factor Report HP G1530A

Method Path : C:\msdchem\1\METHODS\
Method File : VPH072210.M
Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
Last Update : Fri Jul 23 15:04:23 2010
Response Via : Initial Calibration

Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

SB 7/26/10

		Compound	2	5	20	50	0.5	100	Avg	%RSD
1)	ZM	Pentane	6.623	6.311	7.147	7.202		7.570	6.997 E3	6.67
2)	ZM	2-Methylpentane	8.536	7.466	8.207	8.247		8.690	8.185 E3	5.68
3)	T	Methyl-t-buty...							0.000	-1.00
4)	ZM	2,2,4-Trimeth...	8.216	7.647	8.896	8.375		7.993	7.717 E3	12.43
5)	T	Benzene							0.000	-1.00
6)	T	Toluene							0.000	-1.00
7)	XH	C5-C8 ALIPHATICS	7.792	7.141	8.083	7.941		8.084	7.325 E3	12.19
8)		n-Nonane							0.000	-1.00
9)	T	Ethylbenzene							0.000	-1.00
10)	T	m,p-Xylene							0.000	-1.00
11)	T	o-Xylene							0.000	-1.00
12)	ZM	n-Decane	6.039	4.950	5.191	5.579		7.997	6.897 E3	23.76
13)	ZM	n-Butylcycloh...	6.357	6.435	6.593	6.777		8.029	7.361 E3	16.80
14)	XH	C9-C12 ALIPHA...	6.198	5.693	5.892	6.178		8.013	7.129 E3	19.33
15)	Z	1,2,4-Trimeth...							0.000	-1.00
16)	XH	C9-C10 AROMATICS							0.000	-1.00
17)	T	Naphthalene							0.000	-1.00
18)	S	2,5-Dibromoto...	3.791	2.742	2.584	2.712		2.859	2.941 E3	13.62

Signal #2 Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

MAT 7/26/10

		Compound	2	5	20	50	0.5	100	Avg	%RSD
1)	Z	Pentane							0.000	-1.00
2)	Z	2-Methylpentane							0.000	-1.00
3)	TM	Methyl-t-buty...	5.373	4.158	4.484	4.526		4.479	4.664 E3	12.22
4)	Z	2,2,4-Trimeth...							0.000	-1.00
5)	TM	Benzene	1.280	1.265	1.309	1.312		1.321	1.301 E4	1.56
6)	TM	Toluene	1.248	1.135	1.190	1.197		1.223	1.193 E4	3.83
7)	XH	C5-C8 ALIPHATICS							0.000	-1.00
8)		n-Nonane							0.000	-1.00
9)	TM	Ethylbenzene	1.177	0.993	1.048	1.061		1.087	1.093 E4	6.11
10)	TM	m,p-Xylene	1.224	1.143	1.234	1.248		1.283	1.255 E4	5.18
11)	TM	o-Xylene	1.143	0.990	1.048	1.062		1.083	1.119 E4	12.52
12)	Z	n-Decane							0.000	-1.00
13)	Z	n-Butylcycloh...							0.000	-1.00
14)	XH	C9-C12 ALIPHA...							0.000	-1.00
15)	ZM	1,2,4-Trimeth...	1.101	0.986	1.065	1.097		1.136	1.180 E4	20.03
16)	XH	C9-C10 AROMATICS	1.101	0.986	1.065	1.097		1.136	1.180 E4	20.03
17)	TM	Naphthalene	1.007	0.881	0.939	0.971		0.997	1.019 E4	14.63
18)	S	2,5-Dibromoto...	8.562	6.808	7.149	7.585		8.153	7.893 E3	9.31

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27986SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:32 pm
Operator : JJL
Sample : VPH 1 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L
		System Monitoring Compounds						
18)	S	2,5-Dibro...	11.356	11.355	4554	12231	1.904	1.793
Spiked Amount			100.000	Range	70 - 130	Recovery	=	1.90%# 1.79%#
		Target Compounds						
1)	Z	Pentane	1.559	1.562	4137	657	0.860	NoCal #
2)	Z	2-Methylp...	2.008	2.005	6649	1753	0.960	NoCal #
3)	TM	Methyl-t-...	2.181	2.179	5383	5724	NoCal	1.331 #
4)	Z	2,2,4-Tri...	3.278	3.290	6186	1603	0.933	NoCal #
5)	TM	Benzene	3.509	3.509	10306	12912	NoCal	0.976 #
6)	TM	Toluene	4.881	4.881	11637	11146	NoCal	0.911 #
7)	XH	C5-C8 ALI...	3.717	0.000	105864	0	17.864	N.D. #
9)	TM	Ethylbenzene	6.122	6.121	10665	11978	NoCal	1.131 #
10)	TM	m,p-Xylene	6.188	6.187	19542	27513	NoCal	2.221 #
11)	TM	o-Xylene	6.559	6.558	11046	14480	NoCal	1.353 #
12)	Z	n-Decane	7.153	7.154	7705	7492	1.316	NoCal #
13)	Z	n-Butylcy...	7.823	7.821	6464	9529	1.010	NoCal #
14)	XH	C9-C12 AL...	8.070	0.000	146965	0	23.983	N.D. #
15)	ZM	1,2,4-Tri...	7.715	7.715	12192	17478	NoCal	1.643 #
16)	XH	C9-C10 AR...	10.410	8.424	7	261207	NoCal	24.557 #
17)	TM	Naphthalene	10.246	10.246	7968	13733	NoCal	1.637 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

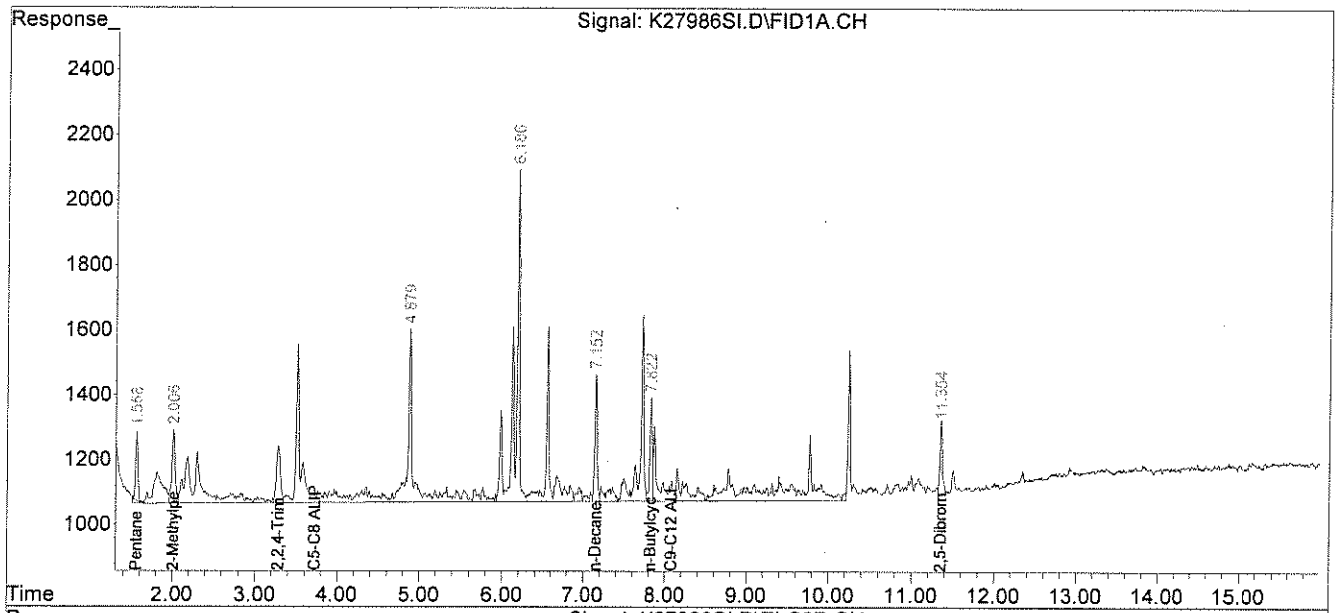
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27986SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:32 pm
Operator : JJL
Sample : VPH 1 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

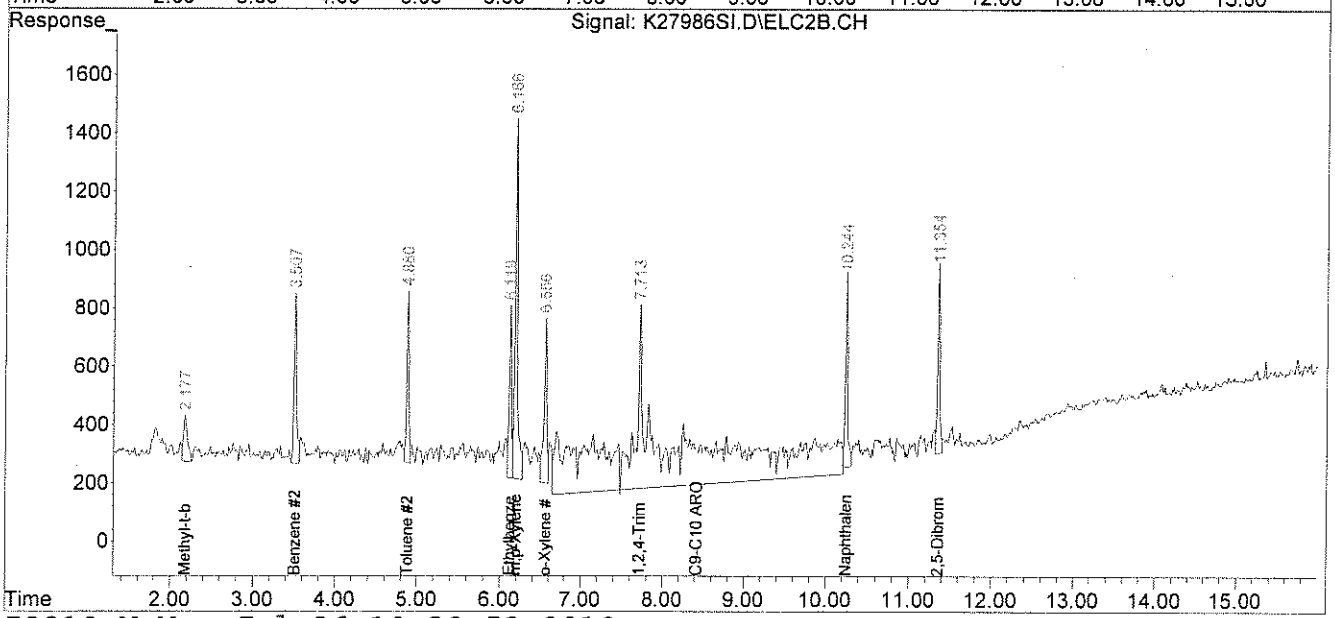
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27987SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:57 pm
Operator : JJL
Sample : VPH 2 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.355	11.355	7582	17124	3.170	2.511
Spiked Amount		100.000	Range	70 - 130	Recovery	=	3.17%# 2.51%#
	Target Compounds						
1) Z	Pentane	1.559	1.576	13246	196	2.755	NoCal #
2) Z	2-Methylp...	2.009	1.998	17073	1007	2.465	NoCal #
3) TM	Methyl-t-...	2.178	2.178	9810	10745	NoCal	2.499 #
4) Z	2,2,4-Tri...	3.278	3.279	16432	3496	2.477	NoCal #
5) TM	Benzene	3.510	3.509	21209	25596	NoCal	1.934 #
6) TM	Toluene	4.881	4.881	22868	24969	NoCal	2.041 #
7) XH	C5-C8 ALI...	3.717	0.000	155766	0	26.285	N.D. #
9) TM	Ethylbenzene	6.122	6.121	22182	23546	NoCal	2.223 #
10) TM	m,p-Xylene	6.188	6.187	42752	48976	NoCal	3.953 #
11) TM	o-Xylene	6.559	6.558	22078	22865	NoCal	2.136 #
12) Z	n-Decane	7.152	7.154	12077	2628	2.062	NoCal #
13) Z	n-Butylcy...	7.822	7.822	12714	7463	1.987	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	195953	0	31.978	N.D. #
15) ZM	1,2,4-Tri...	7.716	7.716	21313	22012	NoCal	2.069 #
16) XH	C9-C10 AR...	10.410	8.424	17	86037	NoCal	8.089 #
17) TM	Naphthalene	10.246	10.246	13937	20141	NoCal	2.402 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

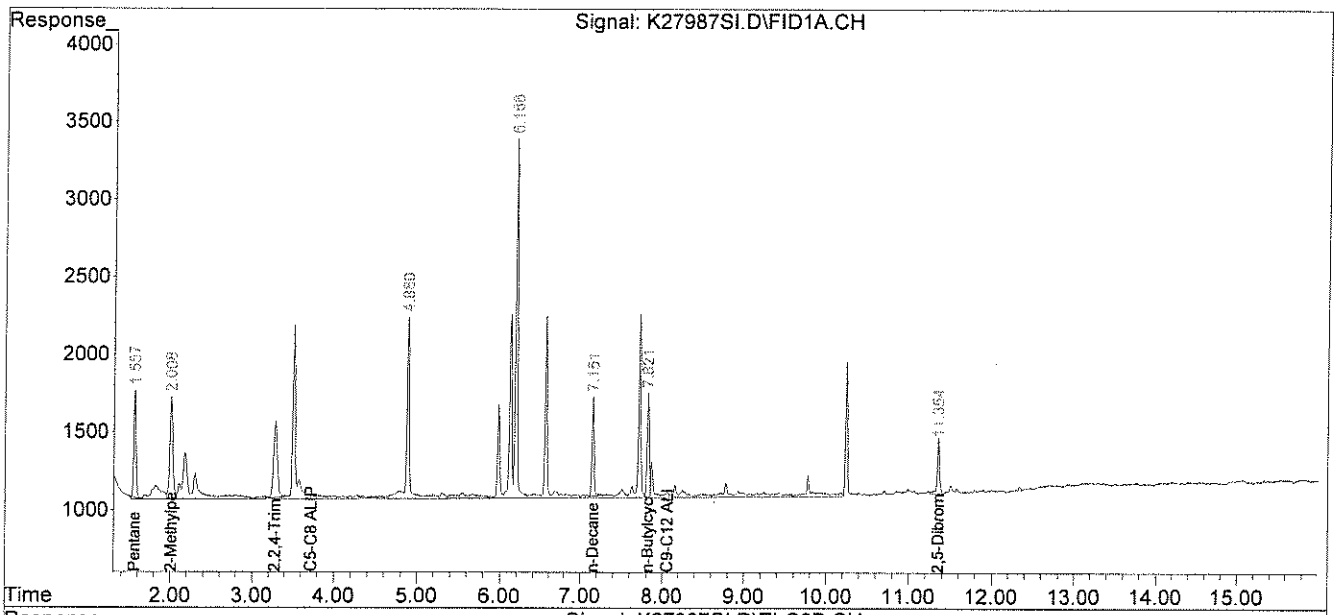
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27987SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:57 pm
Operator : JJL
Sample : VPH 2 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

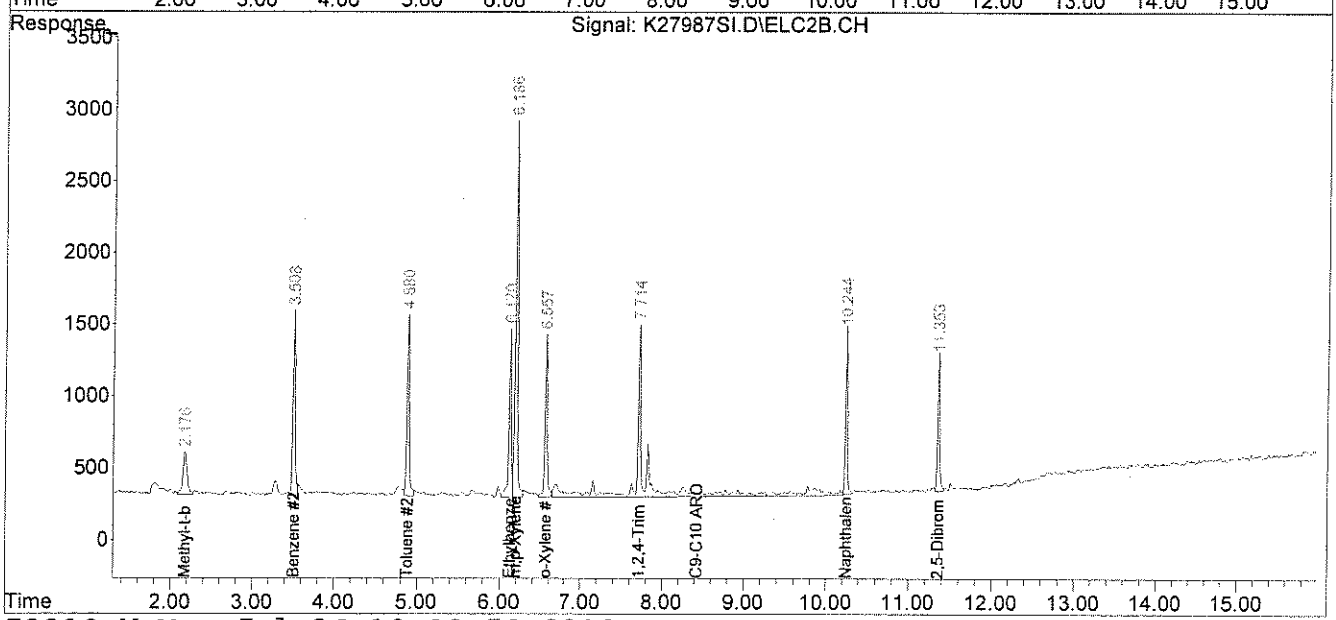
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27988SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:21 pm
Operator : JJL
Sample : VPH 5 UG/L
Misc : 5000
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
System Monitoring Compounds									
18)	S	2,5-Dibro...	11.355	11.354	13711	34040	5.732	4.991	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	5.73%#	4.99%#
Target Compounds									
1)	Z	Pentane	1.559	1.560	31554	800	6.563	NoCal	#
2)	Z	2-Methylp...	2.009	2.013	37332	935	5.389	NoCal	#
3)	TM	Methyl-t-...	2.178	2.177	21475	20790	NoCal	4.835	#
4)	Z	2,2,4-Tri...	3.278	3.278	38234	8636	5.764	NoCal	#
5)	TM	Benzene	3.509	3.509	49820	63236	NoCal	4.778	#
6)	TM	Toluene	4.881	4.881	51479	56741	NoCal	4.637	#
7)	XH	C5-C8 ALI...	3.717	0.000	284049	0	47.932	N.D.	#
9)	TM	Ethylbenzene	6.122	6.122	49284	49672	NoCal	4.690	#
10)	TM	m,p-Xylene	6.188	6.187	97868	114256	NoCal	9.222	#
11)	TM	o-Xylene	6.559	6.558	49457	49516	NoCal	4.627	#
12)	Z	n-Decane	7.152	7.152	24751	4594	4.226	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	32177	18542	5.028	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	377560	0	61.614	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	47838	49294	NoCal	4.634	#
16)	XH	C9-C10 AR...	10.410	8.424	21	117184	NoCal	11.017	#
17)	TM	Naphthalene	10.246	10.245	31659	44071	NoCal	5.255	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

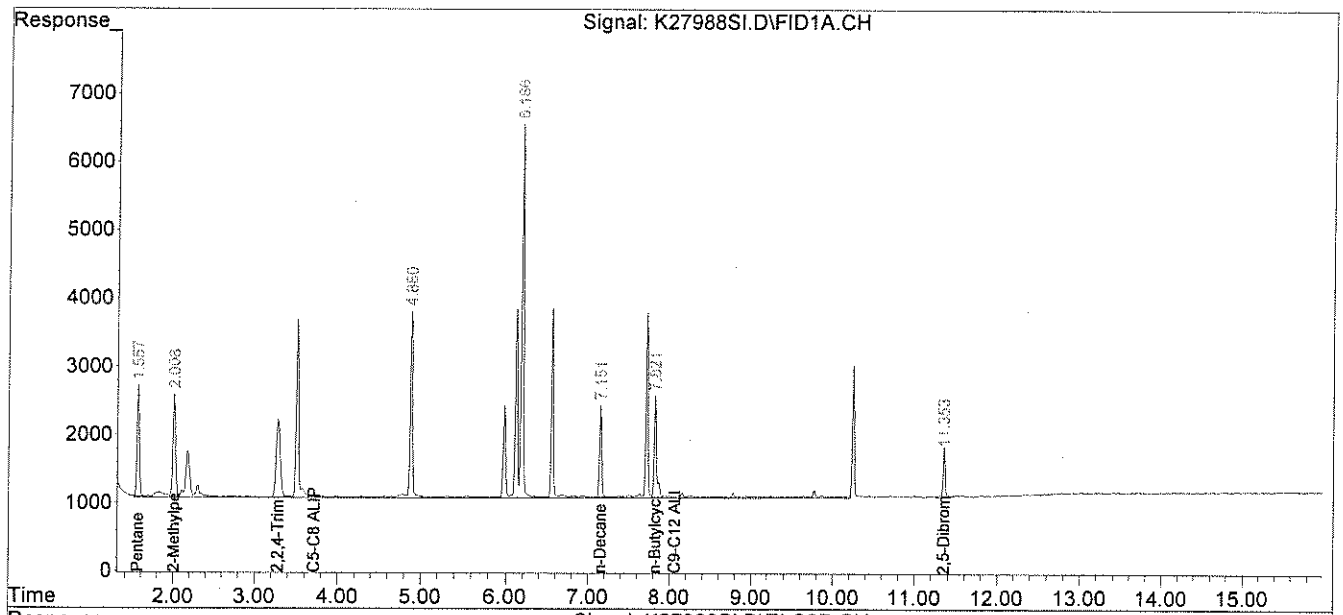
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27988SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:21 pm
Operator : JJL
Sample : VPH 5 UG/L
Misc : 5000
ALS Vial : 11 Sample Multiplier: 1

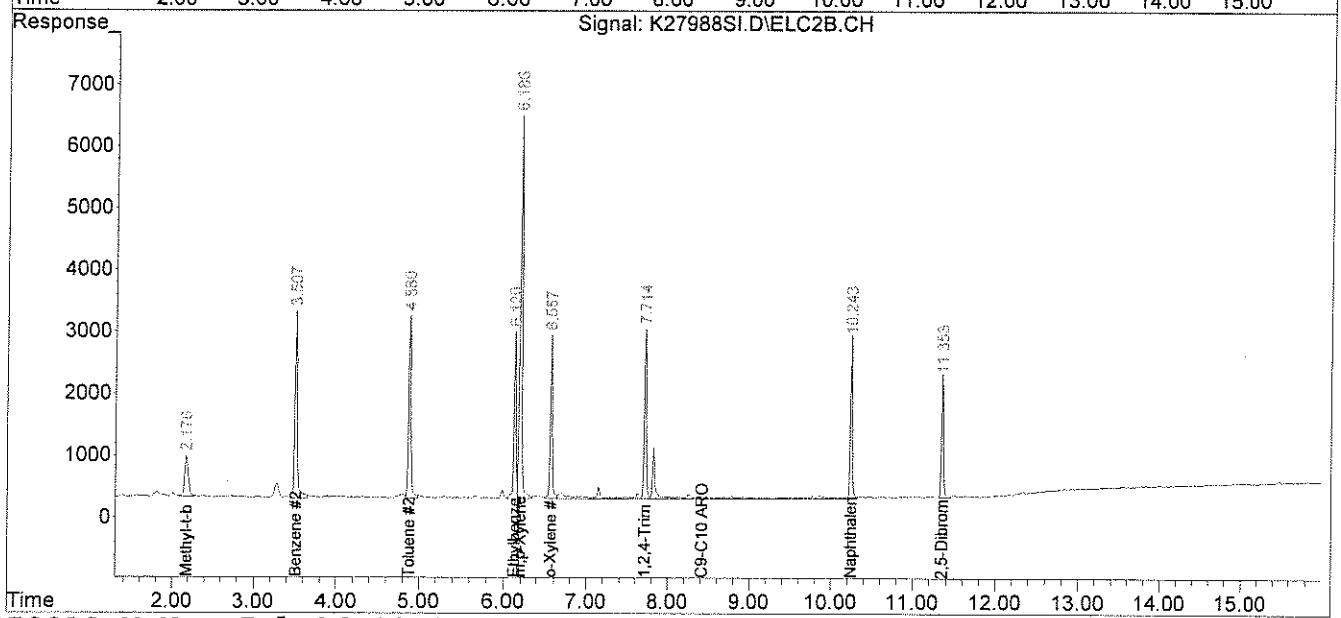
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27989SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:46 pm
Operator : JJL
Sample : VPH 20 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
18)	S	2,5-Dibro...	11.354	11.354	51672	142985	21.603	20.965
		Spiked Amount 100.000 Range 70 - 130 Recovery = 21.60%# 20.97%#						
		Target Compounds						
1)	Z	Pentane	1.558	1.560	142930	1914	29.727	NoCal #
2)	Z	2-Methylp...	2.009	2.009	164135	6953	23.695	NoCal #
3)	TM	Methyl-t-...	2.177	2.177	86452	89681	NoCal	20.858 #
4)	Z	2,2,4-Tri...	3.279	3.279	177924	37078	26.823	NoCal #
5)	TM	Benzene	3.509	3.508	224880	261797	NoCal	19.781 #
6)	TM	Toluene	4.881	4.881	219703	238095	NoCal	19.458 #
7)	XH	C5-C8 ALI...	3.717	0.000	1082237	0	182.622	N.D. #
9)	TM	Ethylbenzene	6.122	6.121	214077	209568	NoCal	19.787 #
10)	TM	m,p-Xylene	6.188	6.187	432228	493591	NoCal	39.840 #
11)	TM	o-Xylene	6.559	6.558	216641	209641	NoCal	19.588 #
12)	Z	n-Decane	7.152	7.152	103821	15722	17.728	NoCal #
13)	Z	n-Butylcy...	7.822	7.821	131857	75965	20.605	NoCal #
14)	XH	C9-C12 AL...	8.070	0.000	1472392	0	240.281	N.D. #
15)	ZM	1,2,4-Tri...	7.716	7.715	208184	213051	NoCal	20.030 #
16)	XH	C9-C10 AR...	10.410	8.424	15	359365	NoCal	33.786 #
17)	TM	Naphthalene	10.245	10.245	135712	187732	NoCal	22.384 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

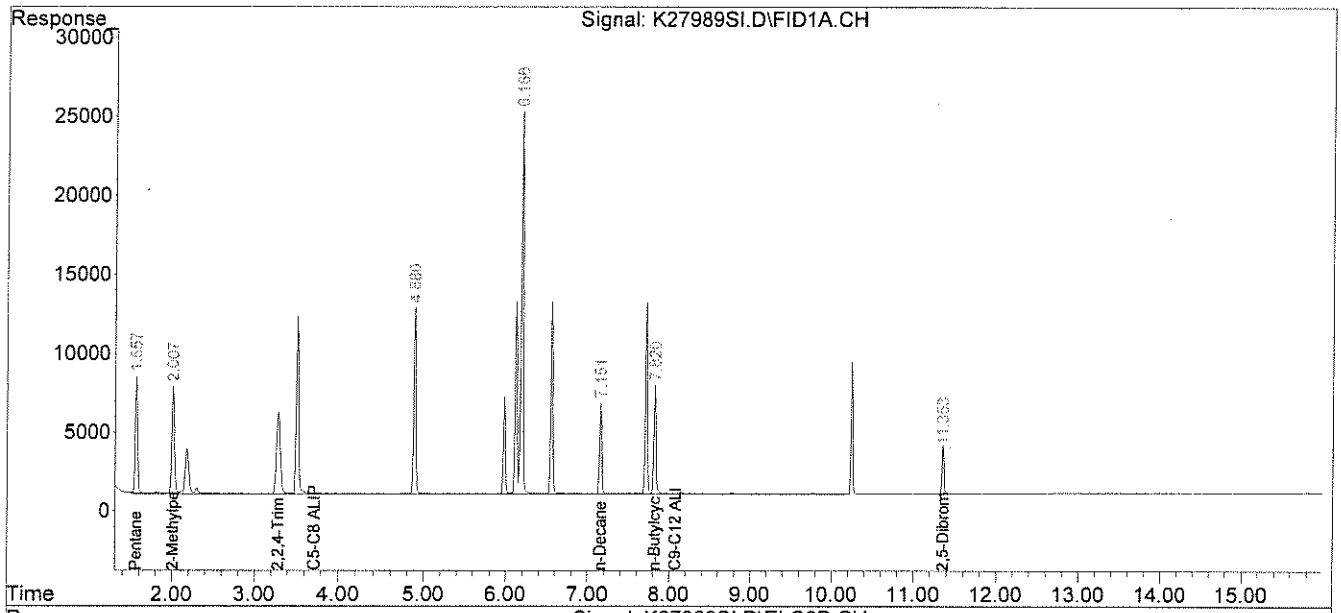
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27989SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:46 pm
Operator : JJL
Sample : VPH 20 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

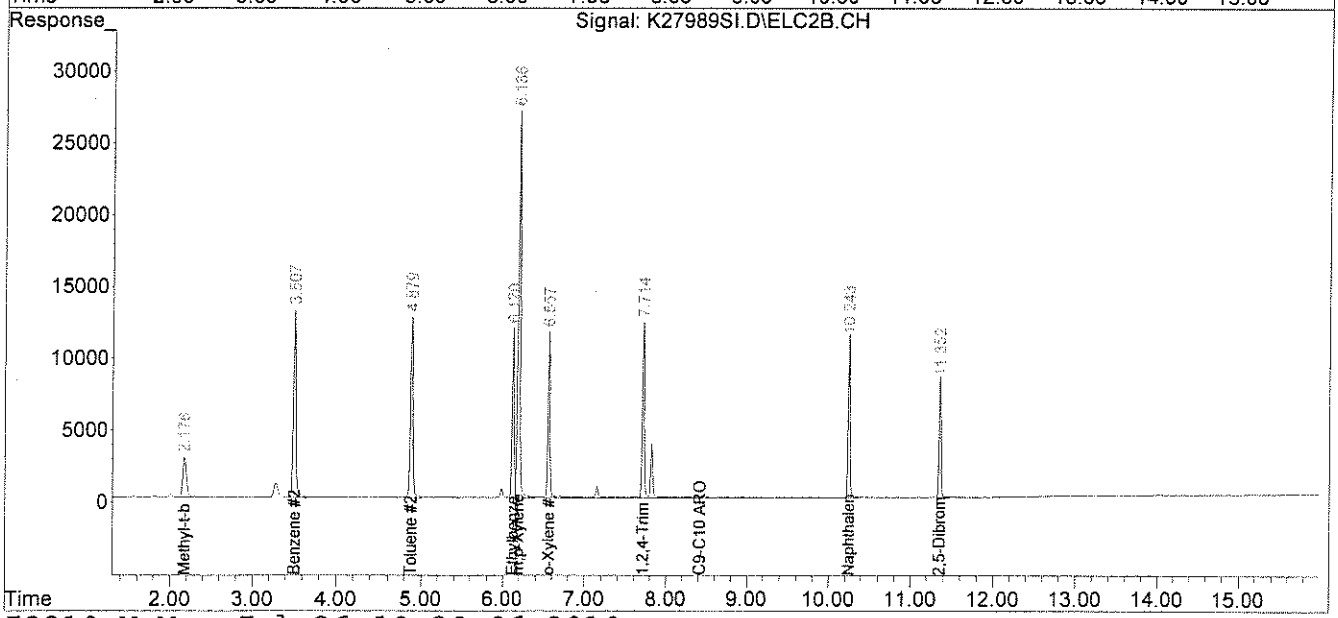
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27990SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:11 pm
Operator : JJL
Sample : VPH 50 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10
VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.355	11.354	135586	379266	56.686	55.609	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	56.69%#	55.61%#
	Target Compounds							
1) Z	Pentane	1.559	1.559	360111	5164	74.896	NoCal	#
2) Z	2-Methylp...	2.009	2.009	412339	16154	59.526	NoCal	#
3) TM	Methyl-t-...	2.177	2.177	219837	226301	NoCal	52.632	#
4) Z	2,2,4-Tri...	3.280	3.280	418763	84499	63.131	NoCal	#
5) TM	Benzene	3.509	3.509	555846	656084	NoCal	49.572	#
6) TM	Toluene	4.881	4.881	551311	598686	NoCal	48.928	#
7) XH	C5-C8 ALI...	3.717	0.000	2615450	0	441.343	N.D.	#
9) TM	Ethylbenzene	6.122	6.121	541215	530358	NoCal	50.076	#
10) TM	m,p-Xylene	6.188	6.188	1097619	1247921	NoCal	100.725	#
11) TM	o-Xylene	6.559	6.558	547299	530782	NoCal	49.594	#
12) Z	n-Decane	7.152	7.152	278934	40496	47.630	NoCal	#
13) Z	n-Butylcy...	7.822	7.821	338833	193986	52.948	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	3696091	0	603.168	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	533627	548257	NoCal	51.544	#
16) XH	C9-C10 AR...	10.410	8.424	54	849808	NoCal	79.895	#
17) TM	Naphthalene	10.245	10.245	353200	485287	NoCal	57.862	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

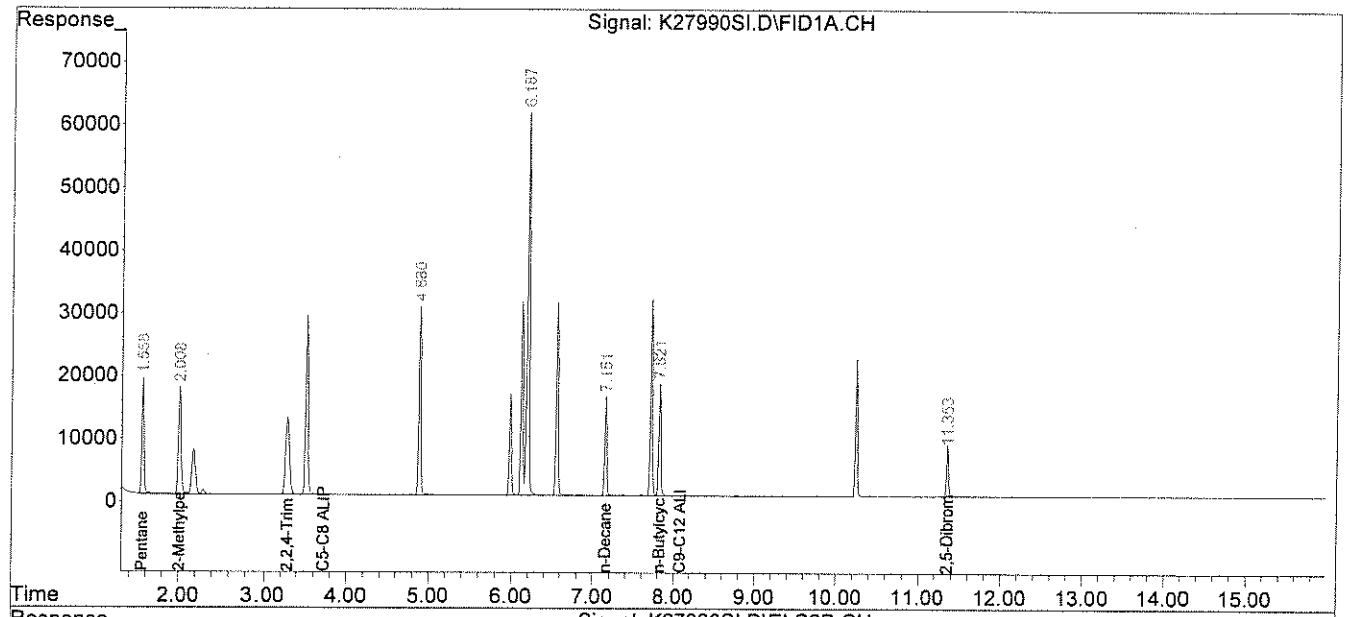
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27990SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:11 pm
Operator : JJL
Sample : VPH 50 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

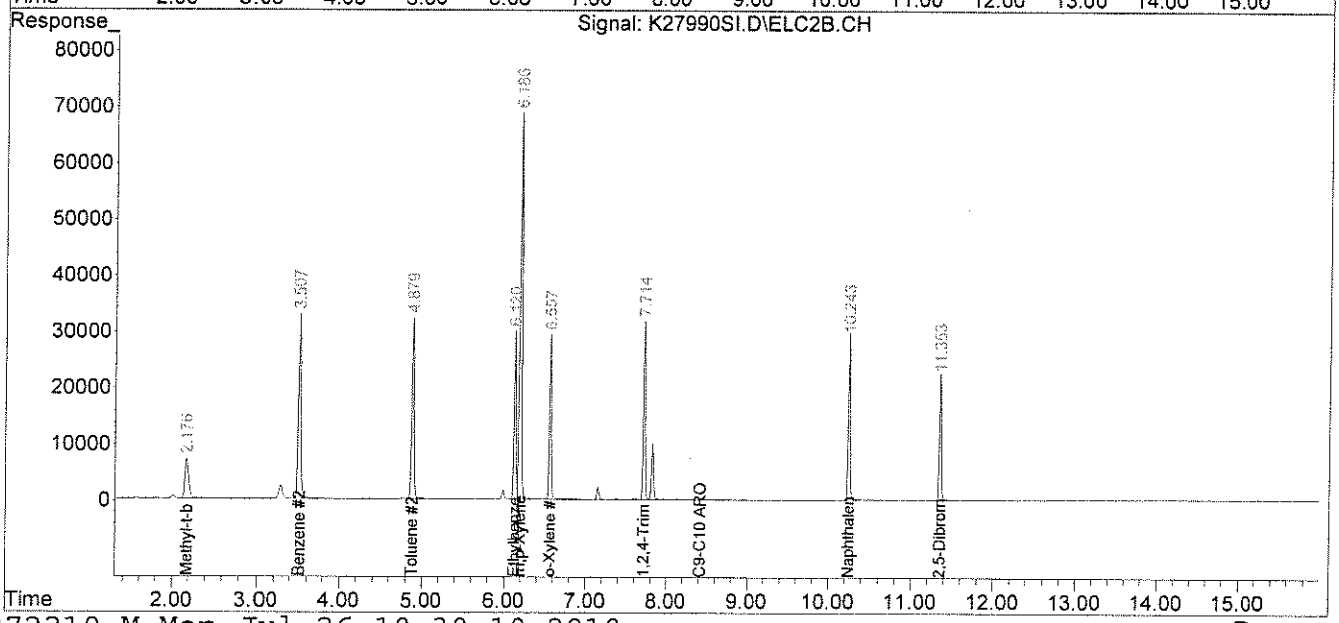
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27991SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:36 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:12:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	285904	815340	97.202	103.300	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 97.20% 103.30%							
		Target Compounds							
1)	Z	Pentane	1.559	1.559	757038	9686	108.188	NoCal	#
2)	Z	2-Methylp...	2.009	2.009	868989	32171	106.171	NoCal	#
3)	TM	Methyl-t-...	2.178	2.177	438527	447939	NoCal	96.052	#
4)	Z	2,2,4-Tri...	3.280	3.280	799271	162150	103.574	NoCal	#
5)	TM	Benzene	3.510	3.509	1127517	1320966	NoCal	101.517	#
6)	TM	Toluene	4.882	4.881	1117393	1223183	NoCal	102.568	#
7)	XH	C5-C8 ALI...	3.717	0.000	5246542	0	716.286	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1106103	1087175	NoCal	99.501	#
10)	TM	m,p-Xylene	6.190	6.189	2249248	2565975	NoCal	204.524	#
11)	TM	o-Xylene	6.560	6.559	1115798	1082680	NoCal	96.788	#
12)	Z	n-Decane	7.153	7.153	799691	117574	115.954	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	802941	461864	109.075	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7979371	0	1119.285	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.716	1100720	1135642	NoCal	96.274	#
16)	XH	C9-C10 AR...	10.410	8.424	20	1807342	NoCal	153.217	#
17)	TM	Naphthalene	10.246	10.245	721604	997055	NoCal	97.824	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

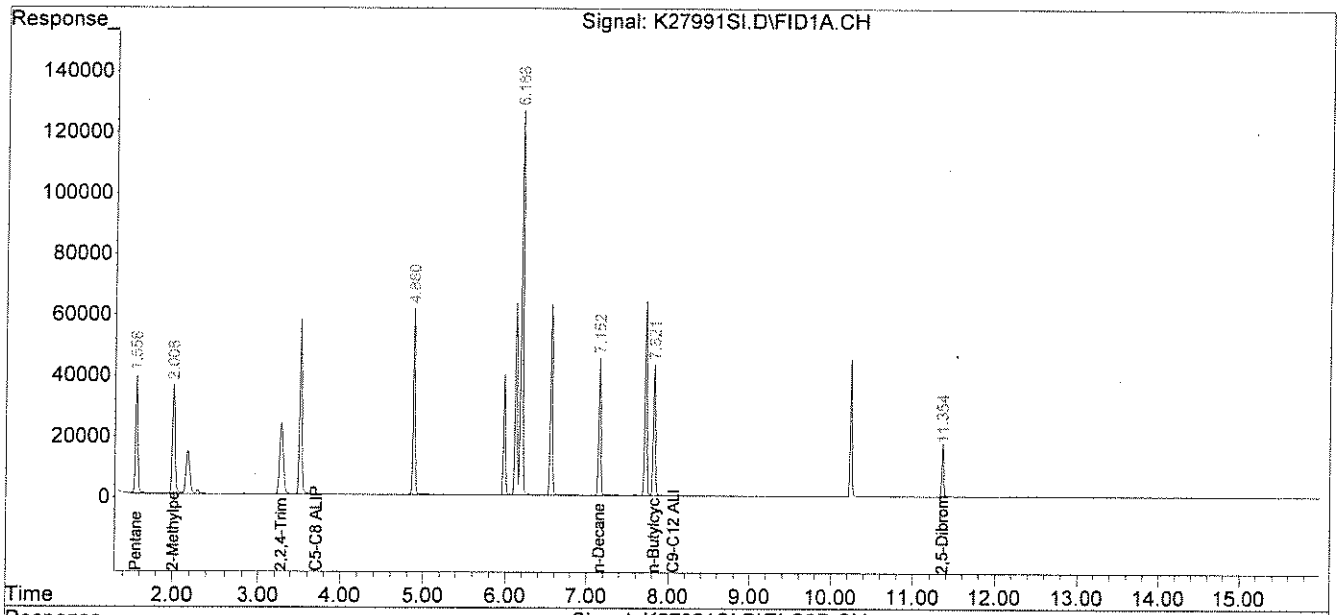
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27991SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:36 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

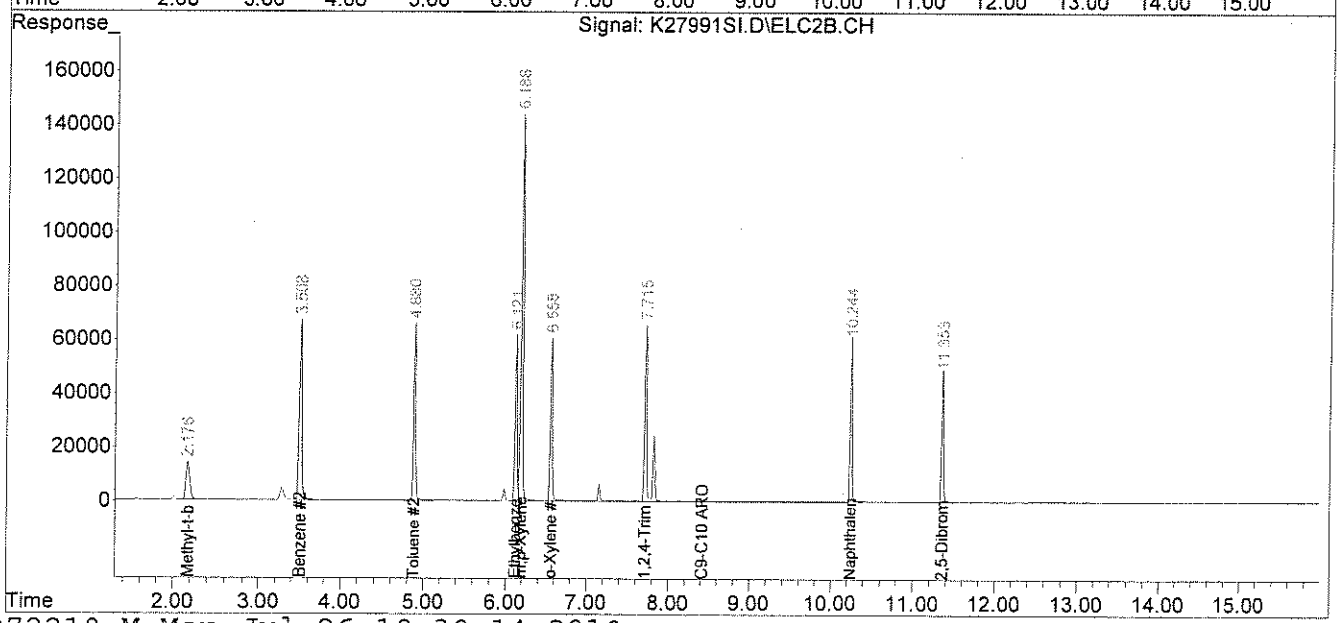
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:12:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27992SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:00 pm
Operator : JJL
Sample : VPH 200 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.356	11.355	573767	1641106	239.880	240.622	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	239.88%#	240.62%#
	Target Compounds							
1) Z	Pentane	1.560	1.559	1489524	22671	309.791	NoCal	#
2) Z	2-Methylp...	2.010	2.009	1701064	67354	245.570	NoCal	#
3) TM	Methyl-t-...	2.178	2.178	852664	873179	NoCal	203.081	#
4) Z	2,2,4-Tri...	3.281	3.281	1341020	278226	202.168	NoCal	#
5) TM	Benzene	3.510	3.509	2234430	2633185	NoCal	198.955	#
6) TM	Toluene	4.883	4.882	2222155	2428518	NoCal	198.472	#
7) XH	C5-C8 ALI...	3.717	0.000	10054754	0	1696.684	N.D.	#
9) TM	Ethylbenzene	6.124	6.124	2202865	2170453	NoCal	204.931	#
10) TM	m,p-Xylene	6.191	6.191	4475121	5070193	NoCal	409.237	#
11) TM	o-Xylene	6.560	6.560	2219154	2155584	NoCal	201.411	#
12) Z	n-Decane	7.154	7.154	1731319	253392	295.635	NoCal	#
13) Z	n-Butylcy...	7.823	7.823	1724578	987446	269.494	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	16235446	0	2649.476	N.D.	#
15) ZM	1,2,4-Tri...	7.717	7.717	2196553	2270927	NoCal	213.501	#
16) XH	C9-C10 AR...	10.410	8.424	218	3642615	NoCal	342.460	#
17) TM	Naphthalene	10.247	10.246	1421440	1959201	NoCal	233.600	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

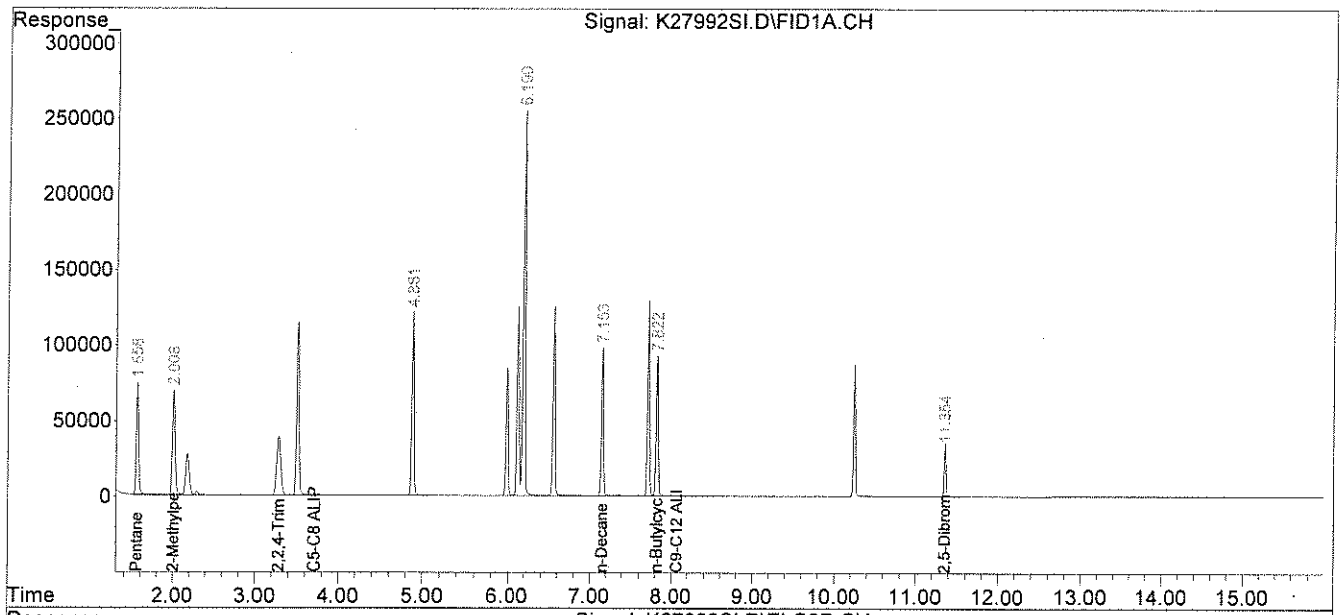
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27992SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:00 pm
Operator : JJL
Sample : VPH 200 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

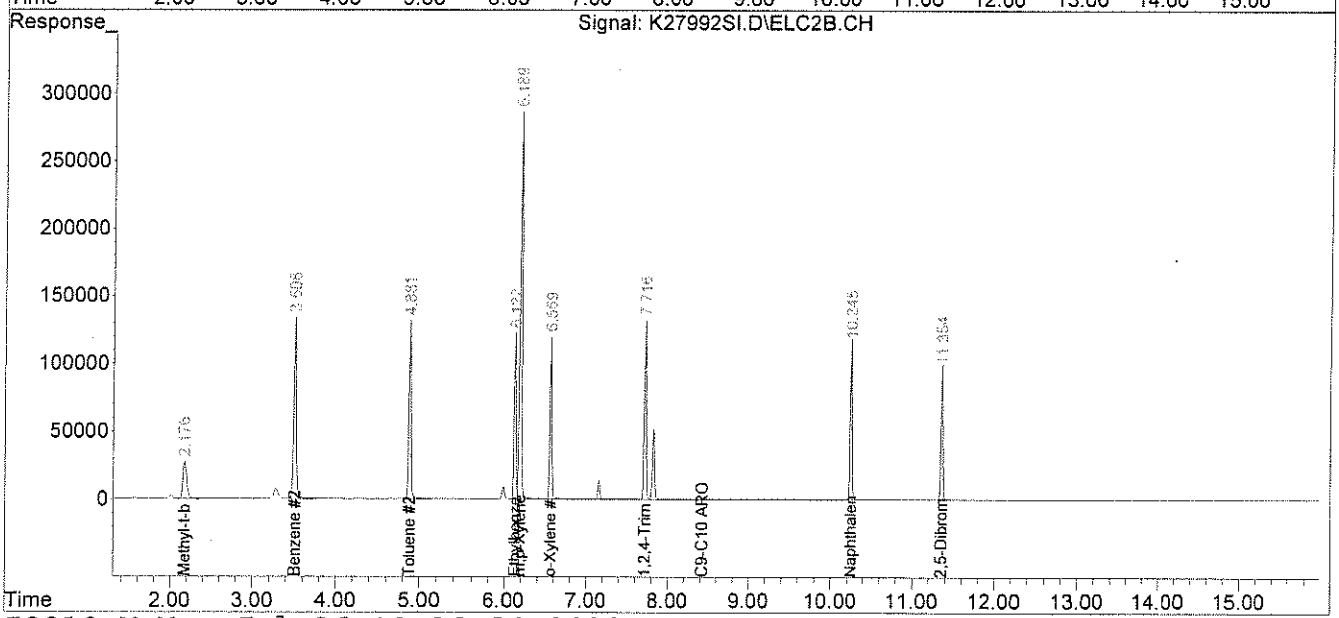
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

BB 7/26/10

MTT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27994SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:50 pm
Operator : JJL
Sample : VPH 500 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:22:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.358	11.358	1516288	4393616	633.927	644.200	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	633.93%#	644.20%#
	Target Compounds							
1) Z	Pentane	1.563	1.563	3340630	49930	694.784	NoCal	#
2) Z	2-Methylp...	2.011	2.011	3820973	149080	551.605	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	2093459	2099278	NoCal	488.244	#
4) Z	2,2,4-Tri...	3.281	3.281	2355729	492506	355.142	NoCal	#
5) TM	Benzene	3.512	3.511	5595001	6576942	NoCal	496.932	#
6) TM	Toluene	4.885	4.884	5572149	6086295	NoCal	497.405	#
7) XH	C5-C8 ALI...	3.717	0.000	23833000	0	4021.686	N.D.	#
9) TM	Ethylbenzene	6.128	6.127	5552765	5457691	NoCal	515.307	#
10) TM	m,p-Xylene	6.198	6.197	11281535	12618733	NoCal	1018.513	#
11) TM	o-Xylene	6.564	6.563	5686501	5485280	NoCal	512.526	#
12) Z	n-Decane	7.158	7.157	4528311	672488	773.240	NoCal	#
13) Z	n-Butylcy...	7.827	7.827	4806171	2727272	751.045	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	42134988	0	6876.044	N.D.	#
15) ZM	1,2,4-Tri...	7.722	7.721	5665905	5848096	NoCal	549.808	#
16) XH	C9-C10 AR...	10.410	8.424	201	9613009	NoCal	903.766	#
17) TM	Naphthalene	10.250	10.249	3644004	5031020	NoCal	599.860	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

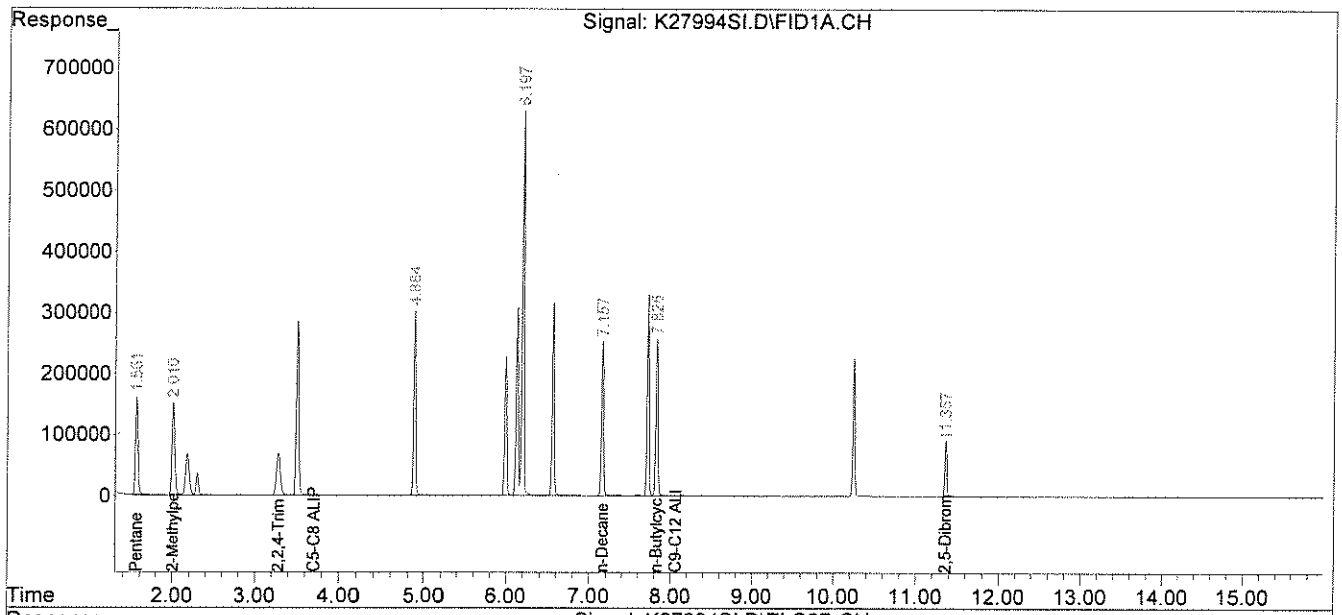
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27994SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:50 pm
Operator : JJL
Sample : VPH 500 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

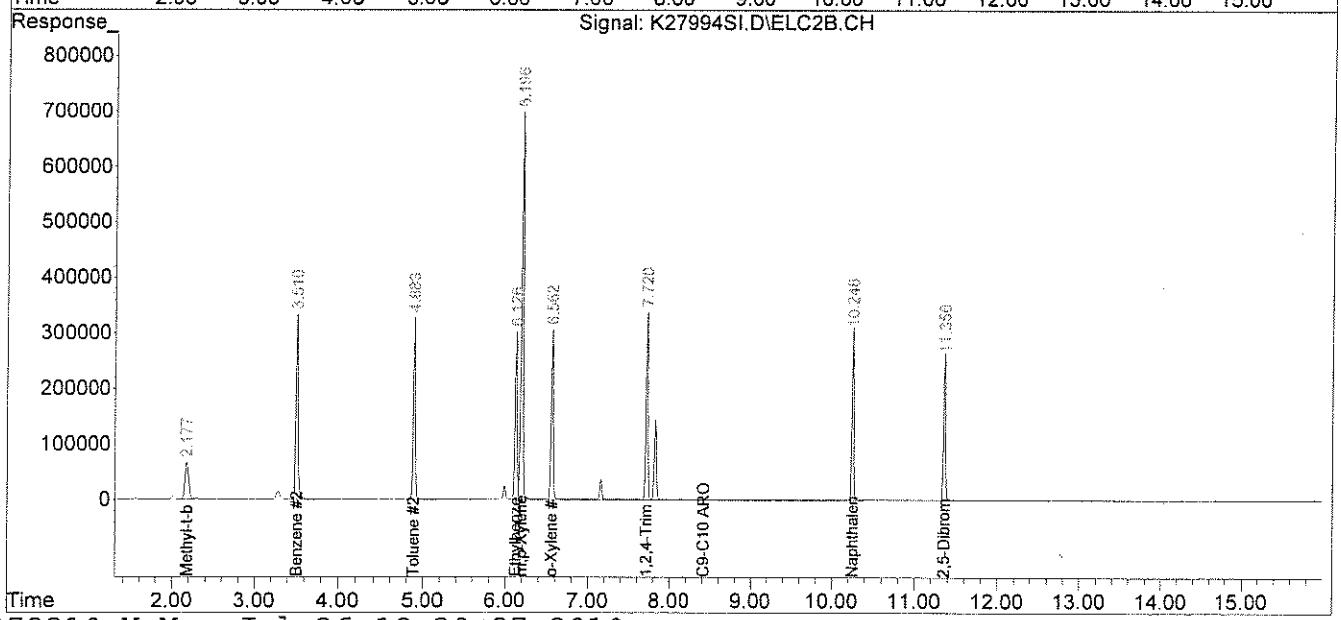
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:22:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS AQUEOUS
LABORATORY CONTROL SAMPLE

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: LV072210K,ICV
Spike: LV072210K,ICV

88 7/26/10
VMT 7/26/10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
Pentane	100	70	130	0.0	119	119	
2-Methylpentane	100	70	130	0.0	111	111	
2,2,4-Trimethylpentane	100	70	130	0.0	96	96	
n-Decane	100	70	130	0.0	111	111	
n-Butylcyclohexane	100	70	130	0.0	102	102	
Methyl-t-butylether #2	100	70	130	0.0	95	95	
Benzene #2	100	70	130	0.0	103	103	
Toluene #2	100	70	130	0.0	103	103	
Ethylbenzene #2	100	70	130	0.0	99	99	
m,p-Xylene #2	200	70	130	0.0	204	102	
o-Xylene #2	100	70	130	0.0	97	97	
1,2,4-Trimethylbenzene #2	100	70	130	0.0	97	97	
Naphthalene #2	100	70	130	0.0	100	100	
C5-C8 Aliphatics	300	70	130	0.0	326	109	
C9-C12 Aliphatics	200	70	130	0.0	213	107	
C9-C10 Aromatics #2	100	70	130	0.0	97	97	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VPH FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27996SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 8:40 pm
Operator : JJL
Sample : LV072210K,ICV
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.355	11.354	285249	798627	96.979	101.183	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	96.98% ✓	101.18% ✓
	Target Compounds							
1) Z	Pentane	1.561	1.561	834987	10878	119.328	NoCal	#
2) Z	2-Methylp...	2.010	2.010	908647	31451	111.017	NoCal	#
3) TM	Methyl-t-...	2.178	2.178	442200	444065	NoCal	95.221	#
4) Z	2,2,4-Tri...	3.281	3.280	737656	145579	95.590	NoCal	#
5) TM	Benzene	3.510	3.509	1150422	1337308	NoCal	102.773	#
6) TM	Toluene	4.882	4.881	1133173	1225710	NoCal	102.780	#
7) XH	C5-C8 ALI...	3.717	0.000	5289562	0	722.160	N.D.	#
9) TM	Ethylbenzene	6.123	6.122	1116218	1086585	NoCal	99.447	#
10) TM	m,p-Xylene	6.189	6.189	2257214	2559629	NoCal	204.018	#
11) TM	o-Xylene	6.560	6.559	1125050	1087200	NoCal	97.192	#
12) Z	n-Decane	7.153	7.153	765948	107246	111.061	NoCal	#
13) Z	n-Butylcy...	7.823	7.822	751300	425339	102.060	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	7886409	0	1106.244	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.716	1124367	1147407	NoCal	97.271	#
16) XH	C9-C10 AR...	10.410	8.424	108	1773360	NoCal	150.336	#
17) TM	Naphthalene	10.246	10.245	748130	1019126	NoCal	99.989	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

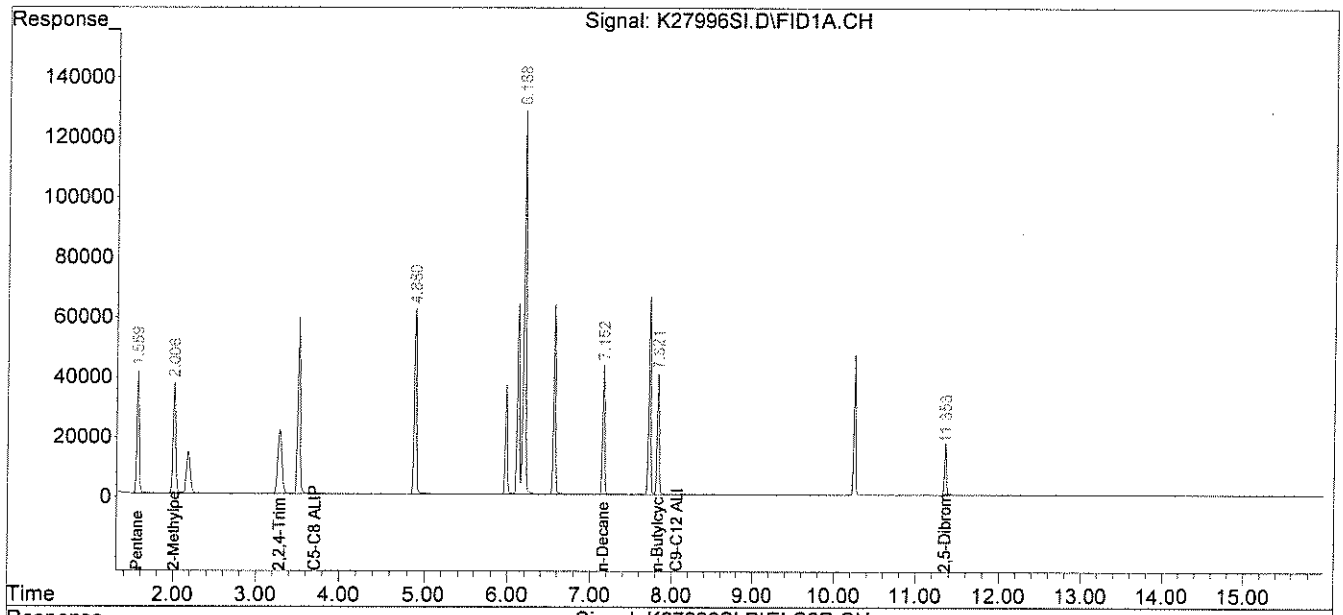
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27996SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 8:40 pm
Operator : JJL
Sample : LV072210K,ICV
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

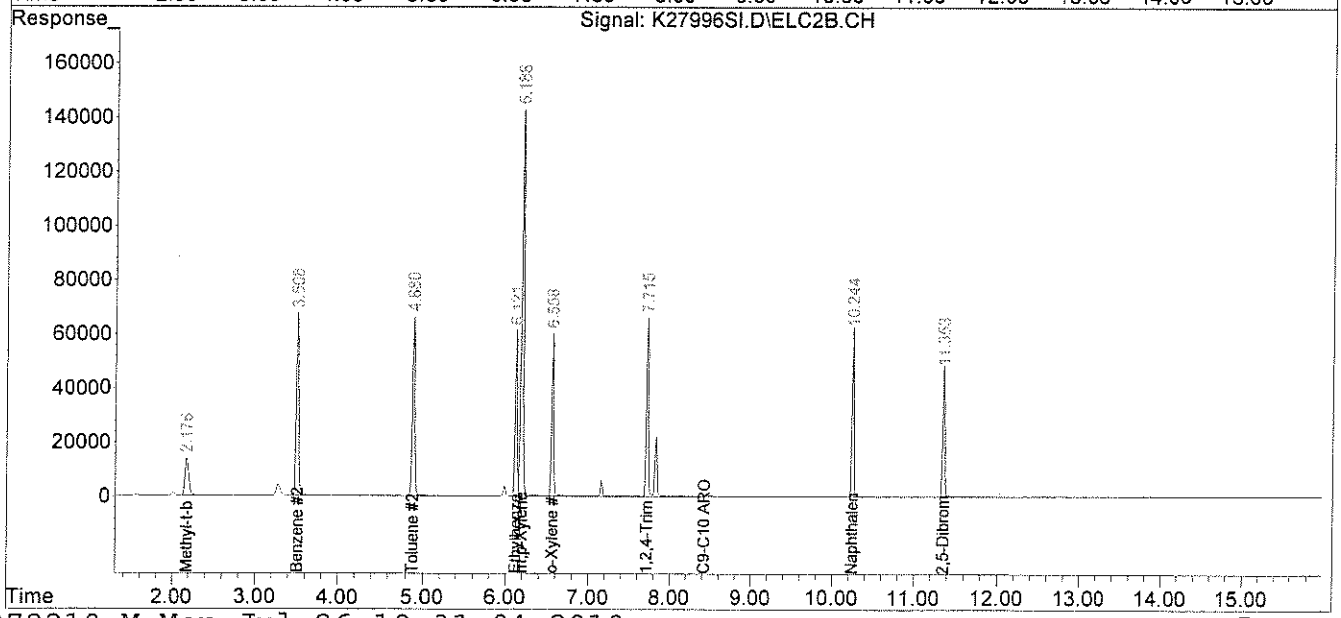
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMTT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28996SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	97	3.0	
2-Methylpentane	99	1.4	
2,2,4-Trimethylpentane	113	13.1	
n-Decane	106	6.3	
n-Butylcyclohexane	100	0.5	
2,5-Dibromotoluene	79	20.6	
Methyl-t-butylether #2	88	11.7	
Benzene #2	98	1.5	
Toluene #2	100	0.5	
Ethylbenzene #2	96	3.7	
m,p-Xylene #2	199	0.7	
o-Xylene #2	95	5.5	
1,2,4-Trimethylbenzene #2	93	7.3	
Naphthalene #2	76	23.9	
2,5-Dibromotoluene #2	87	12.6	

gs 9/22/10

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

J92210

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28996SC.D
Date Acquired 9/21/2010 7:16

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5597	1.5680	0.0083	0.0438	OK	97.04	2.96	OK
2-Methylpentane	2.0105	2.0150	0.0046	0.0447	OK	98.57	1.43	OK
2,2,4-Trimethylpentane	3.2806	3.2850	0.0044	0.0405	OK	113.08	13.08	OK
C5-C8 ALIPHATICS						308.69	2.90	OK
n-Decane	7.1519	7.1540	0.0021	0.0380	OK	106.34	6.34	OK
n-Butylcyclohexane	7.8215	7.8240	0.0025	0.0380	OK	99.52	0.48	OK
C9-C12 ALIPHATICS						205.85	2.93	OK
2,5-Dibromotoluene	11.3532	11.3580	0.0049	0.0380	OK	79.44	20.56	OK
PID								
Methyl-t-butylether #2	2.1780	2.1830	0.0050	0.0447	OK	88.33	11.67	OK
Benzene #2	3.5085	3.5120	0.0035	0.0380	OK	98.49	1.51	OK
Toluene #2	4.8804	4.8830	0.0026	0.0344	OK	99.53	0.47	OK
Ethylbenzene #2	6.1209	6.1240	0.0031	0.0344	OK	96.26	3.74	OK
m,p-Xylene #2	6.1878	6.1900	0.0022	0.0344	OK	198.55	0.72	OK
o-Xylene #2	6.5576	6.5610	0.0034	0.0344	OK	94.51	5.49	OK
1,2,4-Trimethylbenzene #2	7.7149	7.7180	0.0031	0.0344	OK	92.67	7.33	OK
C9-C10 AROMATICS #2						92.67	7.33	OK
Naphthalene #2	10.2434	10.2480	0.0046	0.0344	OK	76.08	23.92	OK
2,5-Dibromotoluene #2	11.3526	11.3570	0.0044	0.0344	OK	87.42	12.58	OK

9/22/10

592210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K28996SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:16 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 07:39:34 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.353	11.353	233660	690025	79.440	87.423	
		Spiked Amount	100.000	Range	70 - 130	Recovery	=	79.44%	87.42%
		Target Compounds							
1)	Z	Pentane	1.560	1.560	679026	10092	97.040	NoCal	#
2)	Z	2-Methylp...	2.010	2.010	806797	31646	98.573	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	398105	411917	NoCal	88.328	#
4)	Z	2,2,4-Tri...	3.281	3.280	872639	184200	113.082	NoCal	#
5)	TM	Benzene	3.509	3.509	1049082	1281610	NoCal	98.493	#
6)	TM	Toluene	4.881	4.880	1040881	1186951	NoCal	99.530	#
7)	XH	C5-C8 ALI...	3.717	0.000	5527515	0	754.646	N.D.	#
9)	TM	Ethylbenzene	6.121	6.121	1027699	1051806	NoCal	96.264	#
10)	TM	m,p-Xylene	6.188	6.188	2091313	2491071	NoCal	198.553	#
11)	TM	o-Xylene	6.558	6.558	1039320	1057173	NoCal	94.507	#
12)	Z	n-Decane	7.152	7.151	733381	110655	106.339	NoCal	#
13)	Z	n-Butylcy...	7.821	7.821	732568	439058	99.516	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7373034	0	1034.232	N.D.	#
15)	ZM	1,2,4-Tri...	7.715	7.715	1014087	1093155	NoCal	92.672	#
16)	XH	C9-C10 AR...	10.410	8.424	62	1725383	NoCal	146.269	#
17)	TM	Naphthalene	10.244	10.243	539604	775393	NoCal	76.076	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J92210

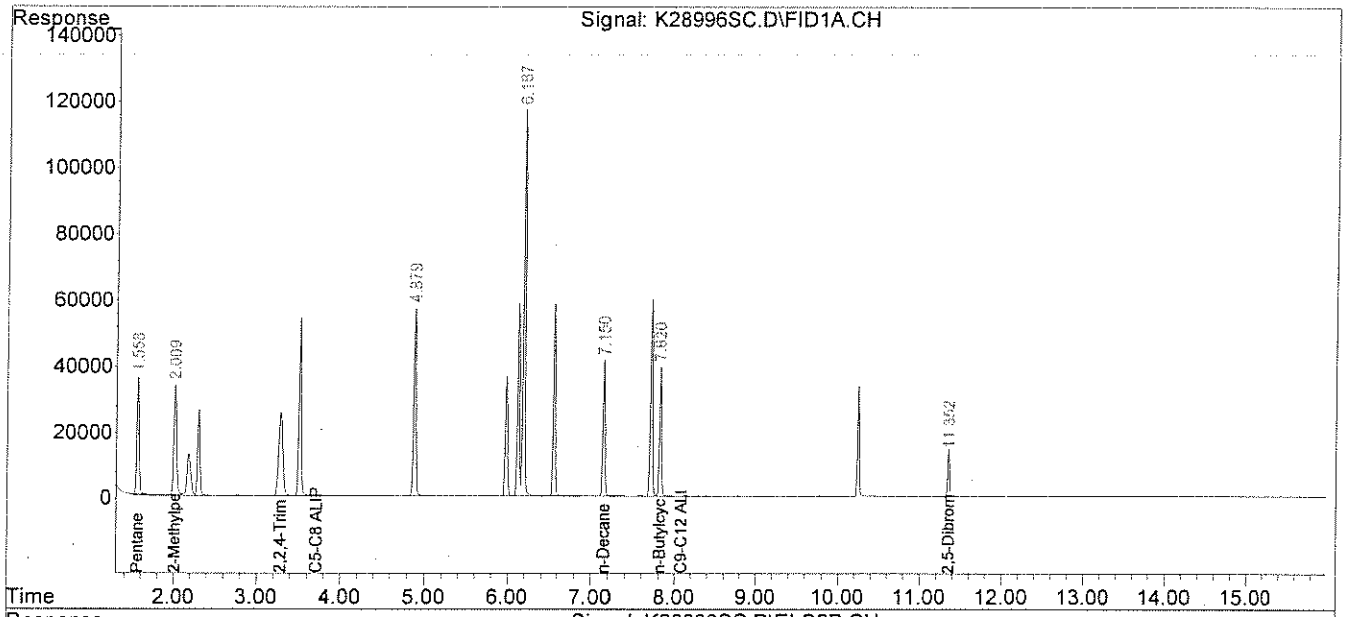
Quantitation Report (Not Reviewed)

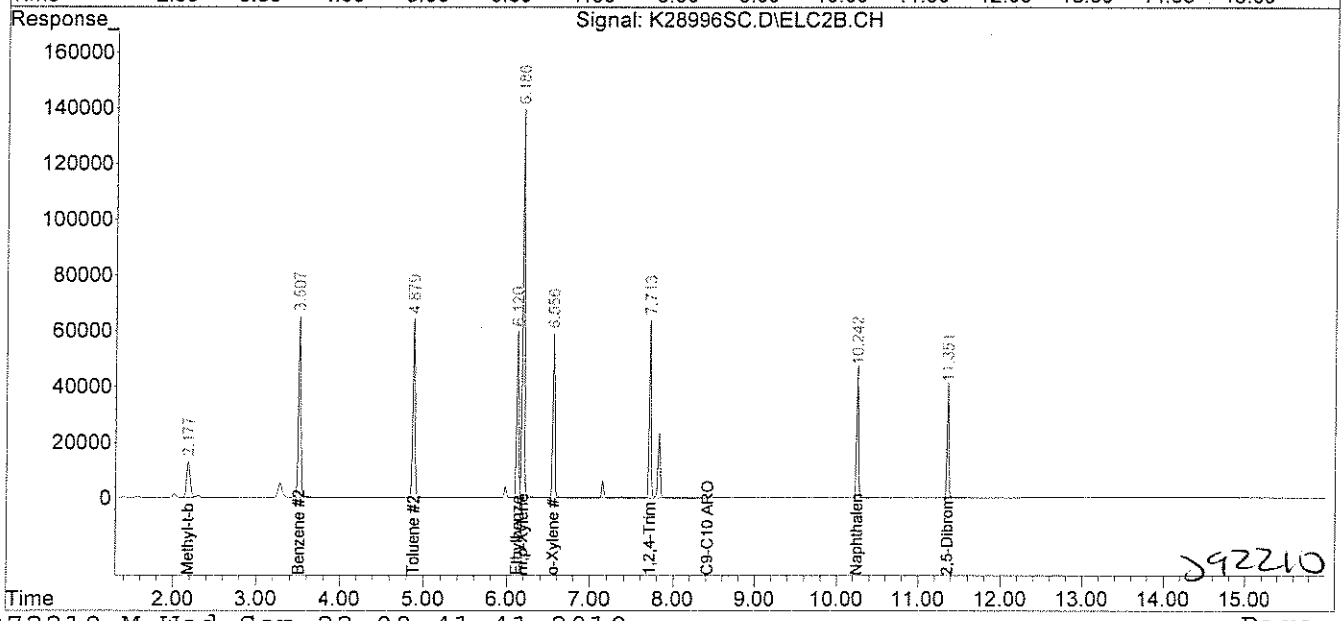
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K28996SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:16 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 07:39:34 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J92210

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K29019SC.D

gg 9/22/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	9.9	
2-Methylpentane	91	9.1	
2,2,4-Trimethylpentane	106	5.9	
n-Decane	94	5.9	
n-Butylcyclohexane	89	10.6	
2,5-Dibromotoluene	83	16.7	
Methyl-t-butylether #2	90	9.9	
Benzene #2	97	3.2	
Toluene #2	97	2.7	
Ethylbenzene #2	95	5.0	
m,p-Xylene #2	194	2.9	
o-Xylene #2	93	7.3	
1,2,4-Trimethylbenzene #2	92	8.2	
Naphthalene #2	78	21.8	
2,5-Dibromotoluene #2	90	10.1	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: gg 9 22 10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K29019SC.D
Date Acquired 9/21/2010 17:47

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5598	1.5680	0.0082	0.0438	OK	90.13	9.87	OK
2-Methylpentane	2.0108	2.0150	0.0043	0.0447	OK	90.87	9.13	OK
2,2,4-Trimethylpentane	3.2807	3.2850	0.0044	0.0405	OK	105.93	5.93	OK
C5-C8 ALIPHATICS						286.93	4.36	OK
n-Decane	7.1521	7.1540	0.0019	0.0380	OK	94.07	5.93	OK
n-Butylcyclohexane	7.8217	7.8240	0.0023	0.0380	OK	89.35	10.65	OK
C9-C12 ALIPHATICS						183.42	8.29	OK
2,5-Dibromotoluene	11.3540	11.3580	0.0040	0.0380	OK	83.29	16.71	OK
PID								
Methyl-t-butylether #2	2.1785	2.1830	0.0045	0.0447	OK	90.12	9.88	OK
Benzene #2	3.5090	3.5120	0.0030	0.0380	OK	96.85	3.15	OK
Toluene #2	4.8808	4.8830	0.0022	0.0344	OK	97.35	2.65	OK
Ethylbenzene #2	6.1212	6.1240	0.0028	0.0344	OK	95.02	4.98	OK
m,p-Xylene #2	6.1879	6.1900	0.0021	0.0344	OK	194.21	2.89	OK
o-Xylene #2	6.5576	6.5610	0.0034	0.0344	OK	92.66	7.34	OK
1,2,4-Trimethylbenzene #2	7.7152	7.7180	0.0028	0.0344	OK	91.76	8.24	OK
C9-C10 AROMATICS #2						91.76	8.24	OK
Naphthalene #2	10.2438	10.2480	0.0042	0.0344	OK	78.19	21.81	OK
2,5-Dibromotoluene #2	11.3534	11.3570	0.0036	0.0344	OK	89.89	10.11	OK

9/22/10

J92210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29019SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 5:47 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 18:03:56 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.353	244981	709509	83.289	89.892	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 83.29% 89.89%							
		Target Compounds							
1)	Z	Pentane	1.560	1.560	630703	8248	90.134	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	743719	28493	90.866	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	411800	420298	NoCal	90.125	#
4)	Z	2,2,4-Tri...	3.281	3.280	817443	173664	105.929	NoCal	#
5)	TM	Benzene	3.509	3.509	1050912	1260232	NoCal	96.850	#
6)	TM	Toluene	4.881	4.881	1045231	1160935	NoCal	97.348	#
7)	XH	C5-C8 ALI...	3.717	0.000	5324706	0	726.958	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	1031418	1038245	NoCal	95.023	#
10)	TM	m,p-Xylene	6.188	6.188	2089827	2436624	NoCal	194.213	#
11)	TM	o-Xylene	6.558	6.558	1043656	1036562	NoCal	92.665	#
12)	Z	n-Decane	7.152	7.152	648754	98901	94.068	NoCal	#
13)	Z	n-Butylcy...	7.822	7.821	657770	395366	89.355	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7145572	0	1002.326	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.715	1015029	1082429	NoCal	91.762	#
16)	XH	C9-C10 AR...	10.410	8.424	33	1741803	NoCal	147.661	#
17)	TM	Naphthalene	10.244	10.244	564137	796903	NoCal	78.186	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

S92210

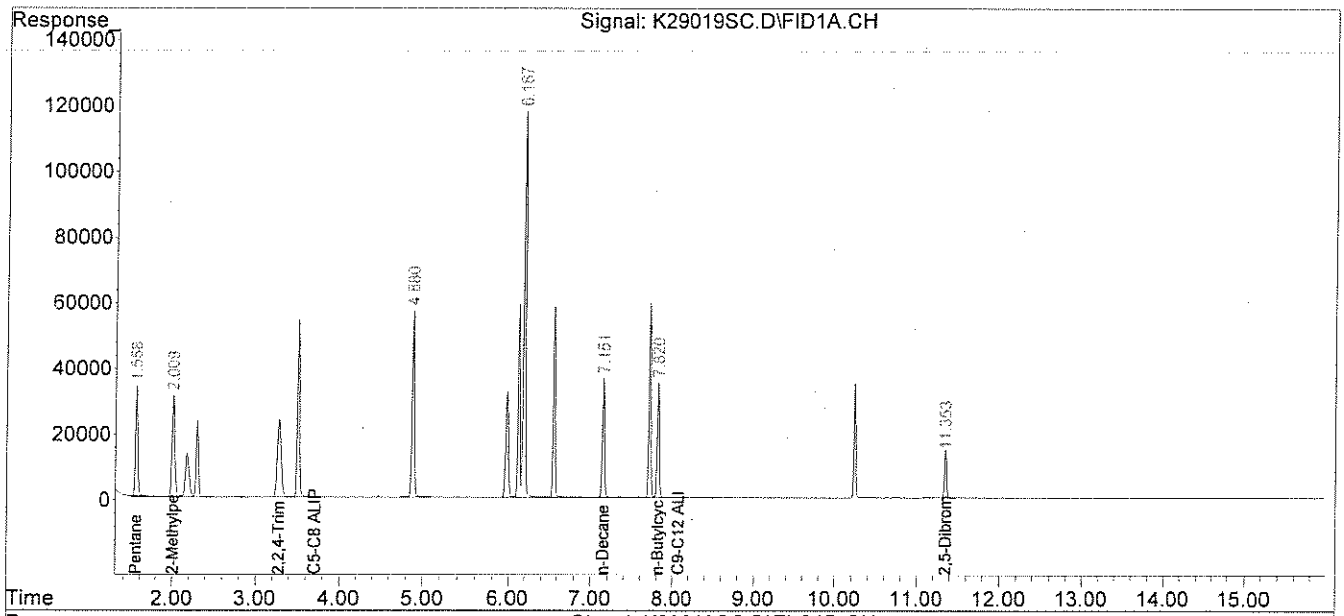
Quantitation Report (Not Reviewed)

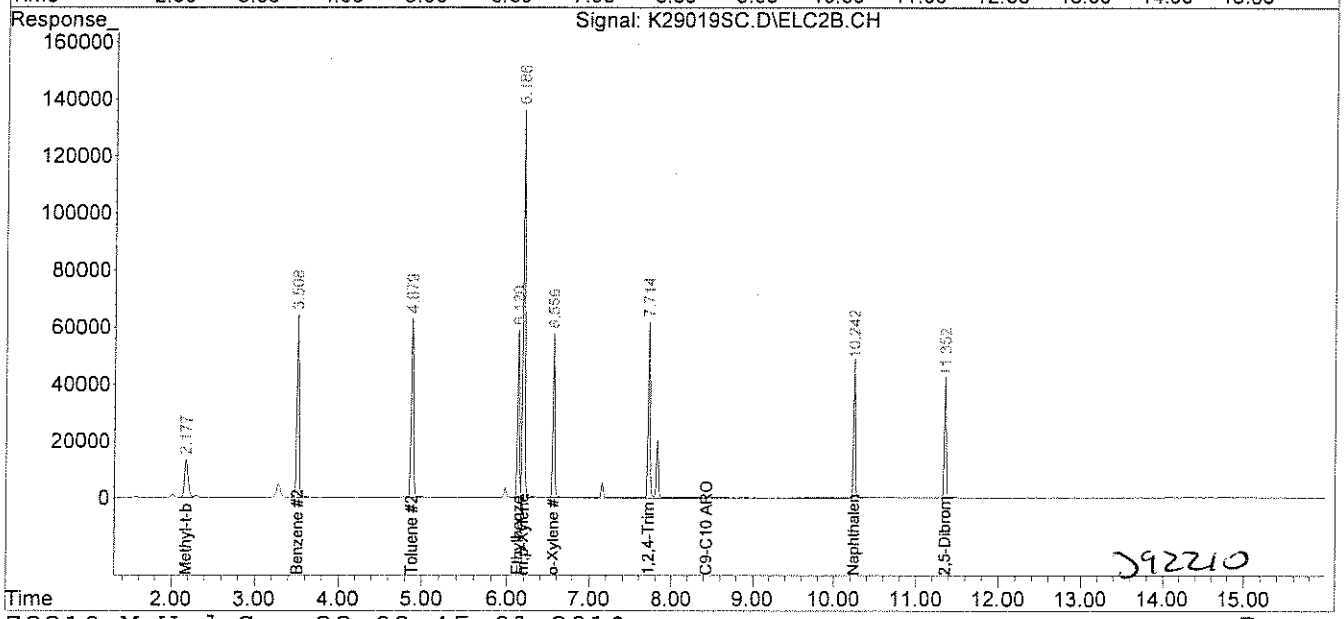
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29019SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 5:47 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 18:03:56 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SBS 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K29041SC.D

9/22/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	10.1	
2-Methylpentane	90	9.8	
2,2,4-Trimethylpentane	104	4.1	
n-Decane	86	13.7	
n-Butylcyclohexane	85	15.0	
2,5-Dibromotoluene	86	14.1	
Methyl-t-butylether #2	91	8.7	
Benzene #2	97	3.1	
Toluene #2	97	2.8	
Ethylbenzene #2	95	5.3	
m,p-Xylene #2	194	2.8	
o-Xylene #2	92	7.9	
1,2,4-Trimethylbenzene #2	91	9.2	
Naphthalene #2	84	15.5	
2,5-Dibromotoluene #2	92	8.4	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/22/10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K29041SC.D
Date Acquired 9/22/2010 3:14

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5599	1.5680	0.0081	0.0438	OK	89.90	10.10	OK
2-Methylpentane	2.0108	2.0150	0.0042	0.0447	OK	90.24	9.76	OK
2,2,4-Trimethylpentane	3.2809	3.2850	0.0041	0.0405	OK	104.06	4.06	OK
C5-C8 ALIPHATICS						284.19	5.27	OK
n-Decane	7.1523	7.1540	0.0017	0.0380	OK	86.32	13.68	OK
n-Butylcyclohexane	7.8217	7.8240	0.0023	0.0380	OK	85.03	14.97	OK
C9-C12 ALIPHATICS						171.35	14.32	OK
2,5-Dibromotoluene	11.3542	11.3580	0.0038	0.0380	OK	85.91	14.09	OK
PID								
Methyl-t-butylether #2	2.1786	2.1830	0.0044	0.0447	OK	91.26	8.74	OK
Benzene #2	3.5092	3.5120	0.0028	0.0380	OK	96.87	3.13	OK
Toluene #2	4.8811	4.8830	0.0019	0.0344	OK	97.22	2.78	OK
Ethylbenzene #2	6.1215	6.1240	0.0025	0.0344	OK	94.69	5.31	OK
m,p-Xylene #2	6.1884	6.1900	0.0017	0.0344	OK	194.38	2.81	OK
o-Xylene #2	6.5581	6.5610	0.0029	0.0344	OK	92.13	7.87	OK
1,2,4-Trimethylbenzene #2	7.7154	7.7180	0.0026	0.0344	OK	90.79	9.21	OK
C9-C10 AROMATICS #2						90.79	9.21	OK
Naphthalene #2	10.2441	10.2480	0.0039	0.0344	OK	84.50	15.50	OK
2,5-Dibromotoluene #2	11.3536	11.3570	0.0034	0.0344	OK	91.58	8.42	OK

88 9/22/10

392210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29041SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:14 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:38:08 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.354	252695	722807	85.912	91.577	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	85.91%	91.58%
		Target Compounds							
1)	Z	Pentane	1.560	1.560	629042	7975	89.896	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	738573	25914	90.237	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	424717	425582	NoCal	91.258	#
4)	Z	2,2,4-Tri...	3.281	3.281	803015	160952	104.059	NoCal	#
5)	TM	Benzene	3.510	3.509	1063540	1260503	NoCal	96.870	#
6)	TM	Toluene	4.882	4.881	1059414	1159411	NoCal	97.221	#
7)	XH	C5-C8 ALI...	3.717	0.000	5318644	0	726.130	N.D.	#
9)	TM	Ethylbenzene	6.122	6.122	1046113	1034573	NoCal	94.686	#
10)	TM	m,p-Xylene	6.189	6.188	2121580	2438675	NoCal	194.377	#
11)	TM	o-Xylene	6.559	6.558	1053234	1030538	NoCal	92.126	#
12)	Z	n-Decane	7.152	7.152	595295	84426	86.317	NoCal	#
13)	Z	n-Butylcy...	7.822	7.821	625970	362351	85.035	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7092126	0	994.829	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.715	1031548	1070946	NoCal	90.789	#
16)	XH	C9-C10 AR...	10.410	8.424	43	1590679	NoCal	134.849	#
17)	TM	Naphthalene	10.245	10.244	620870	861232	NoCal	84.498	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J92210

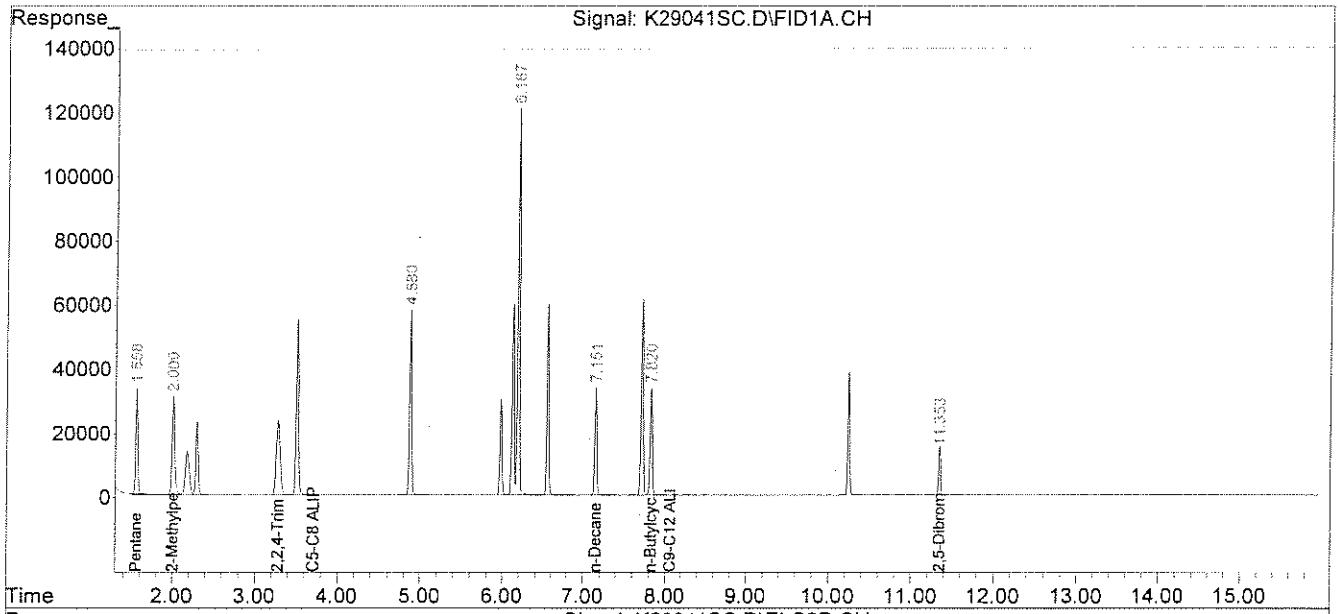
Quantitation Report (Not Reviewed)

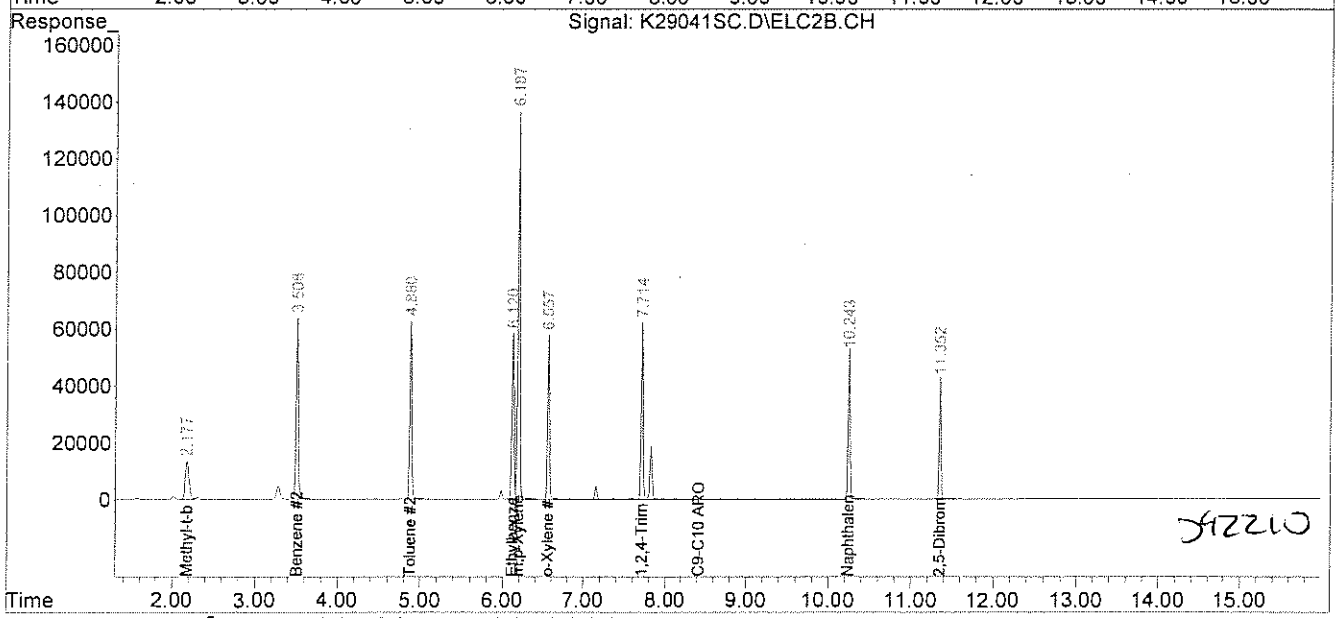
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29041SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:14 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:38:08 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJS 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J122110

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K29042SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	10.4	
2-Methylpentane	90	9.9	
2,2,4-Trimethylpentane	103	2.8	
n-Decane	90	9.9	
n-Butylcyclohexane	88	12.4	
2,5-Dibromotoluene	88	11.7	
Methyl-t-butylether #2	93	7.4	
Benzene #2	97	3.1	
Toluene #2	97	2.5	
Ethylbenzene #2	95	5.0	
m,p-Xylene #2	195	2.4	
o-Xylene #2	93	7.0	
1,2,4-Trimethylbenzene #2	92	8.2	
Naphthalene #2	87	12.9	
2,5-Dibromotoluene #2	94	6.2	

BB 9/22/10

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 092210

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K29042SC.D
Date Acquired 9/22/2010 3:39

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5603	1.5680	0.0077	0.0438	OK	89.62	10.38	OK
2-Methylpentane	2.0109	2.0150	0.0041	0.0447	OK	90.13	9.87	OK
2,2,4-Trimethylpentane	3.2809	3.2850	0.0042	0.0405	OK	102.82	2.82	OK
C5-C8 ALIPHATICS						282.56	5.81	OK
n-Decane	7.1525	7.1540	0.0015	0.0380	OK	90.11	9.89	OK
n-Butylcyclohexane	7.8216	7.8240	0.0024	0.0380	OK	87.61	12.39	OK
C9-C12 ALIPHATICS						177.71	11.14	OK
2,5-Dibromotoluene	11.3541	11.3580	0.0039	0.0380	OK	88.33	11.67	OK
PID								
Methyl-t-butylether #2	2.1787	2.1830	0.0043	0.0447	OK	92.65	7.35	OK
Benzene #2	3.5091	3.5120	0.0029	0.0380	OK	96.88	3.12	OK
Toluene #2	4.8809	4.8830	0.0021	0.0344	OK	97.46	2.54	OK
Ethylbenzene #2	6.1216	6.1240	0.0024	0.0344	OK	94.98	5.02	OK
m,p-Xylene #2	6.1884	6.1900	0.0016	0.0344	OK	195.29	2.36	OK
o-Xylene #2	6.5580	6.5610	0.0030	0.0344	OK	92.95	7.05	OK
1,2,4-Trimethylbenzene #2	7.7153	7.7180	0.0027	0.0344	OK	91.77	8.23	OK
C9-C10 AROMATICS #2						91.77	8.23	OK
Naphthalene #2	10.2444	10.2480	0.0036	0.0344	OK	87.12	12.88	OK
2,5-Dibromotoluene #2	11.3536	11.3570	0.0034	0.0344	OK	93.84	6.16	OK

9/22/10

J92210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29042SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:39 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:38:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	259809	740675	88.330	93.840	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	88.33%	93.84%
	Target Compounds							
1) Z	Pentane	1.560	1.560	627079	7685	89.616	NoCal	#
2) Z	2-Methylp...	2.011	2.011	737676	25568	90.128	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	432222	432072	NoCal	92.649	#
4) Z	2,2,4-Tri...	3.281	3.280	793453	158774	102.820	NoCal	#
5) TM	Benzene	3.510	3.509	1069186	1260638	NoCal	96.881	#
6) TM	Toluene	4.881	4.881	1062637	1162254	NoCal	97.459	#
7) XH	C5-C8 ALI...	3.717	0.000	5323795	0	726.833	N.D.	#
9) TM	Ethylbenzene	6.122	6.122	1049106	1037751	NoCal	94.977	#
10) TM	m,p-Xylene	6.189	6.188	2130857	2450107	NoCal	195.288	#
11) TM	o-Xylene	6.559	6.558	1061763	1039761	NoCal	92.951	#
12) Z	n-Decane	7.152	7.152	621423	88722	90.105	NoCal	#
13) Z	n-Butylcy...	7.822	7.821	644899	372613	87.606	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	7191079	0	1008.709	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	1042215	1082528	NoCal	91.771	#
16) XH	C9-C10 AR...	10.410	8.424	120	1623957	NoCal	137.670	#
17) TM	Naphthalene	10.245	10.244	639146	888002	NoCal	87.124	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J92210

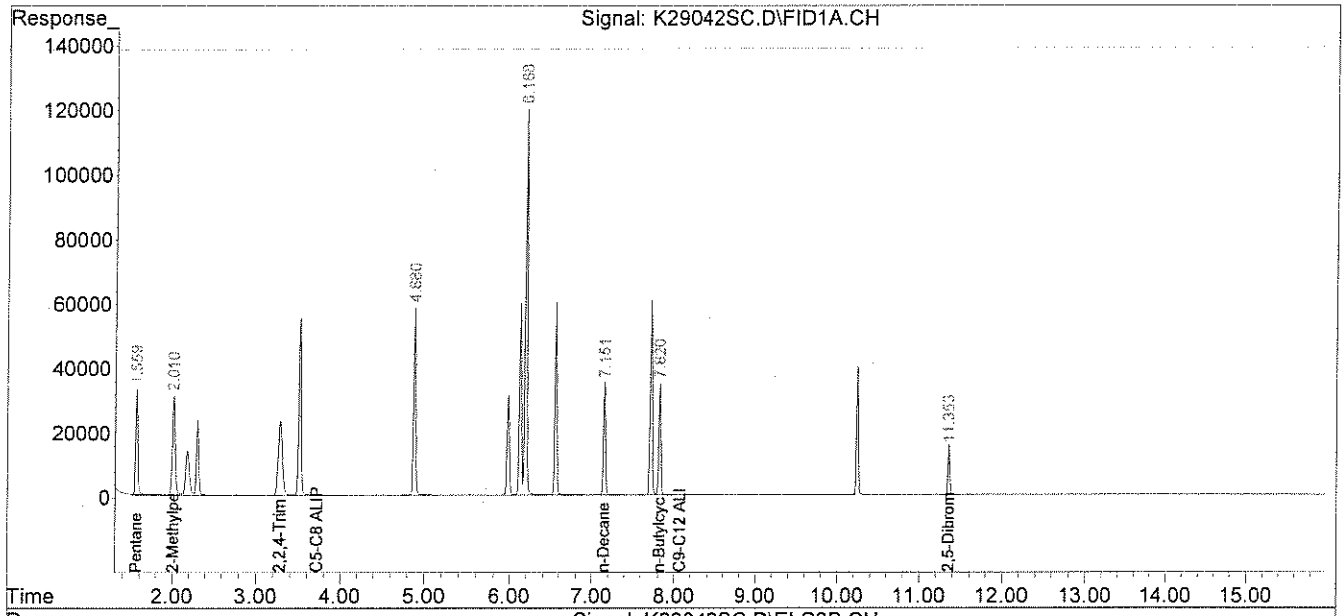
Quantitation Report (Not Reviewed)

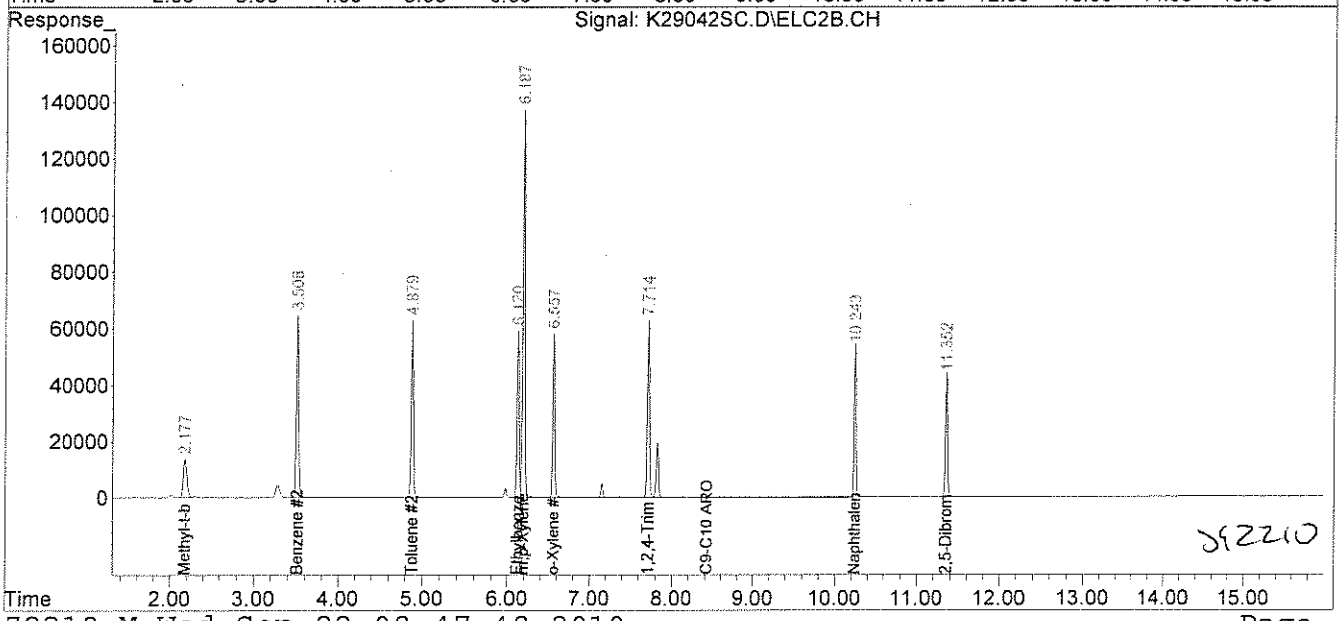
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29042SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:39 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:38:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JS 22 10

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K29044SC.D

gg 9/23/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	93	6.9	
2-Methylpentane	96	4.3	
2,2,4-Trimethylpentane	110	10.3	
n-Decane	106	5.5	
n-Butylcyclohexane	99	1.0	
2,5-Dibromotoluene	80	19.7	
Methyl-t-butylether #2	96	3.9	
Benzene #2	99	0.9	
Toluene #2	100	0.3	
Ethylbenzene #2	97	3.0	
m,p-Xylene #2	199	0.4	
o-Xylene #2	95	4.9	
1,2,4-Trimethylbenzene #2	94	6.0	
Naphthalene #2	88	12.3	
2,5-Dibromotoluene #2	90	10.3	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 092410

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K29044SC.D
Date Acquired 9/22/2010 9:07

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5597	1.5680	0.0083	0.0438	OK	93.11	6.89	OK
2-Methylpentane	2.0105	2.0150	0.0045	0.0447	OK	95.72	4.28	OK
2,2,4-Trimethylpentane	3.2804	3.2850	0.0046	0.0405	OK	110.31	10.31	OK
C5-C8 ALIPHATICS						299.14	0.29	OK
n-Decane	7.1522	7.1540	0.0018	0.0380	OK	105.53	5.53	OK
n-Butylcyclohexane	7.8217	7.8240	0.0023	0.0380	OK	98.96	1.04	OK
C9-C12 ALIPHATICS						204.49	2.24	OK
2,5-Dibromotoluene	11.3539	11.3580	0.0041	0.0380	OK	80.28	19.72	OK
PID								
Methyl-t-butylether #2	2.1784	2.1830	0.0046	0.0447	OK	96.14	3.86	OK
Benzene #2	3.5086	3.5120	0.0034	0.0380	OK	99.12	0.88	OK
Toluene #2	4.8804	4.8830	0.0026	0.0344	OK	99.69	0.31	OK
Ethylbenzene #2	6.1210	6.1240	0.0030	0.0344	OK	97.00	3.00	OK
m,p-Xylene #2	6.1879	6.1900	0.0021	0.0344	OK	199.23	0.38	OK
o-Xylene #2	6.5579	6.5610	0.0031	0.0344	OK	95.10	4.90	OK
1,2,4-Trimethylbenzene #2	7.7151	7.7180	0.0029	0.0344	OK	93.96	6.04	OK
C9-C10 AROMATICS #2						93.96	6.04	OK
Naphthalene #2	10.2441	10.2480	0.0039	0.0344	OK	87.66	12.34	OK
2,5-Dibromotoluene #2	11.3533	11.3570	0.0037	0.0344	OK	89.72	10.28	OK

98 9/23/10

092410

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29044SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 9:07 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:25:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

System Monitoring Compounds

18)	S	2,5-Dibro...	11.354	11.353	236125	708184	80.278	89.724

Spiked Amount 100.000 Range 70 - 130 Recovery = 80.28% 89.72%

Target Compounds

1)	Z	Pentane	1.560	1.559	651528	15651	93.110	NoCal	#
2)	Z	2-Methylp...	2.010	2.010	783433	40205	95.718	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	422624	448360	NoCal	96.142	#
4)	Z	2,2,4-Tri...	3.280	3.280	851248	194009	110.309	NoCal	#
5)	TM	Benzene	3.509	3.509	1040928	1289813	NoCal	99.123	#
6)	TM	Toluene	4.881	4.880	1030645	1188832	NoCal	99.688	#
7)	XH	C5-C8 ALI...	3.717	0.000	5492515	0	749.868	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	1021610	1059850	NoCal	97.000	#
10)	TM	m,p-Xylene	6.188	6.188	2075158	2499569	NoCal	199.231	#
11)	TM	o-Xylene	6.558	6.558	1032726	1063749	NoCal	95.095	#
12)	Z	n-Decane	7.152	7.152	727779	120428	105.527	NoCal	#
13)	Z	n-Butylcy...	7.822	7.821	728495	451847	98.962	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7348011	0	1030.722	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.715	1008794	1108375	NoCal	93.962	#
16)	XH	C9-C10 AR...	10.410	8.424	30	1854981	NoCal	157.255	#
17)	TM	Naphthalene	10.245	10.244	610425	893452	NoCal	87.659	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

592410

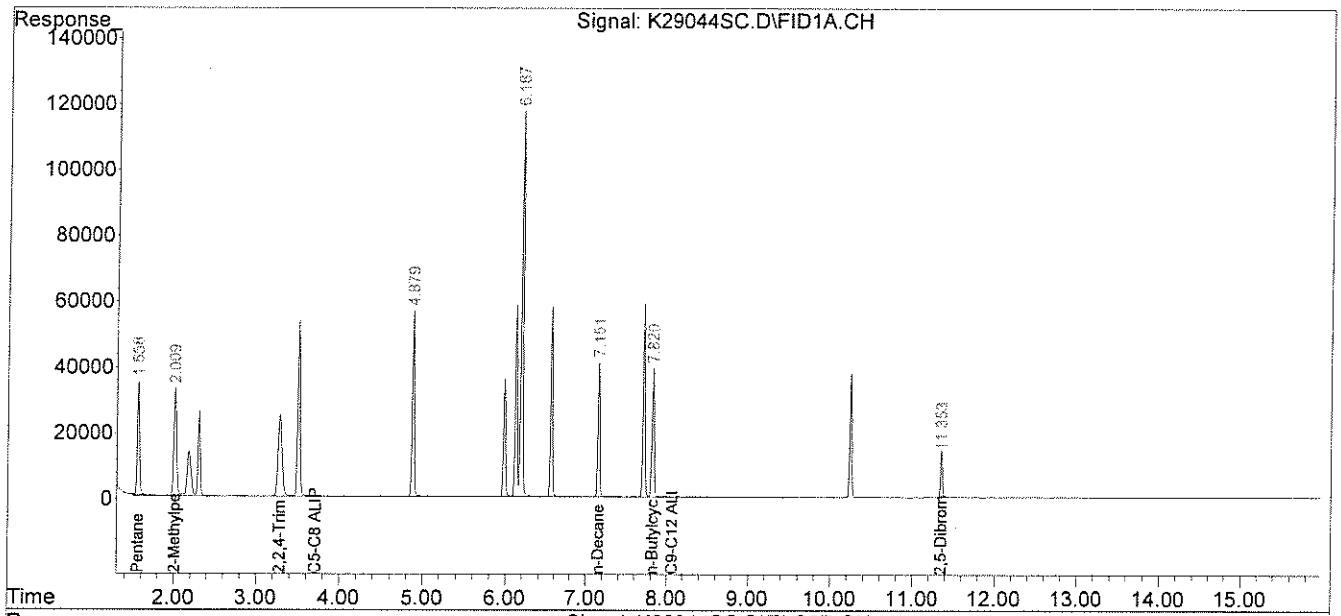
Quantitation Report (Not Reviewed)

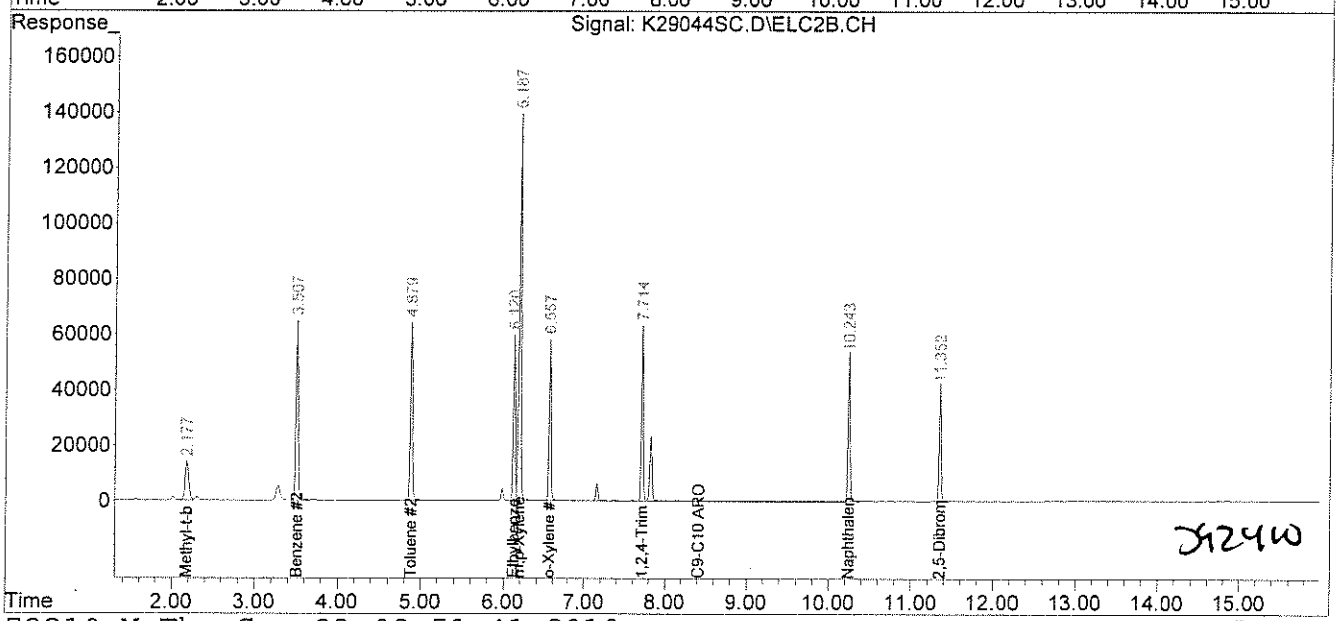
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29044SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 9:07 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:25:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JS 24W

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K29058SC.D

gg 9/23/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	92	8.4	
2-Methylpentane	94	6.0	
2,2,4-Trimethylpentane	95	5.4	
n-Decane	105	4.5	
n-Butylcyclohexane	102	1.8	
2,5-Dibromotoluene	101	1.5	
Methyl-t-butylether #2	93	7.5	
Benzene #2	97	3.1	
Toluene #2	97	2.7	
Ethylbenzene #2	95	4.6	
m,p-Xylene #2	195	2.4	
o-Xylene #2	94	6.4	
1,2,4-Trimethylbenzene #2	93	6.7	
Naphthalene #2	98	2.0	
2,5-Dibromotoluene #2	101	1.5	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 34240

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K29058SC.D
Date Acquired 9/22/2010 16:08

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5636	1.5680	0.0044	0.0438	OK	91.61	8.39	OK
2-Methylpentane	2.0117	2.0150	0.0034	0.0447	OK	93.99	6.01	OK
2,2,4-Trimethylpentane	3.2823	3.2850	0.0027	0.0405	OK	94.60	5.40	OK
C5-C8 ALIPHATICS						280.20	6.60	OK
n-Decane	7.1530	7.1540	0.0010	0.0380	OK	104.50	4.50	OK
n-Butylcyclohexane	7.8228	7.8240	0.0012	0.0380	OK	101.76	1.76	OK
C9-C12 ALIPHATICS						206.27	3.13	OK
2,5-Dibromotoluene	11.3551	11.3580	0.0029	0.0380	OK	101.48	1.48	OK
PID								
Methyl-t-butylether #2	2.1793	2.1830	0.0037	0.0447	OK	92.53	7.47	OK
Benzene #2	3.5098	3.5120	0.0023	0.0380	OK	96.94	3.06	OK
Toluene #2	4.8814	4.8830	0.0016	0.0344	OK	97.35	2.65	OK
Ethylbenzene #2	6.1221	6.1240	0.0019	0.0344	OK	95.38	4.62	OK
m,p-Xylene #2	6.1889	6.1900	0.0011	0.0344	OK	195.28	2.36	OK
o-Xylene #2	6.5590	6.5610	0.0020	0.0344	OK	93.55	6.45	OK
1,2,4-Trimethylbenzene #2	7.7164	7.7180	0.0016	0.0344	OK	93.32	6.68	OK
C9-C10 AROMATICS #2						93.32	6.68	OK
Naphthalene #2	10.2455	10.2480	0.0025	0.0344	OK	97.97	2.03	OK
2,5-Dibromotoluene #2	11.3545	11.3570	0.0025	0.0344	OK	101.47	1.47	OK

9/23/10

092410

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29058SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 4:08 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 08:13:43 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	298488	800882	101.480	101.468	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 101.48% 101.47%							
		Target Compounds							
1)	Z	Pentane	1.564	1.562	641040	9324	91.611	NoCal	#
2)	Z	2-Methylp...	2.012	2.012	769278	34446	93.989	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	419086	431536	NoCal	92.534	#
4)	Z	2,2,4-Tri...	3.282	3.282	729999	167960	94.597	NoCal	#
5)	TM	Benzene	3.510	3.510	1029927	1261472	NoCal	96.945	#
6)	TM	Toluene	4.882	4.881	1026845	1160896	NoCal	97.345	#
7)	XH	C5-C8 ALI...	3.717	0.000	5281376	0	721.042	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1020196	1042160	NoCal	95.381	#
10)	TM	m,p-Xylene	6.189	6.189	2074069	2450034	NoCal	195.282	#
11)	TM	o-Xylene	6.560	6.559	1038712	1046477	NoCal	93.551	#
12)	Z	n-Decane	7.153	7.153	720713	111940	104.502	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	749125	449916	101.765	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7407283	0	1039.036	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.716	1029326	1100809	NoCal	93.321	#
16)	XH	C9-C10 AR...	10.410	8.424	152	1877141	NoCal	159.134	#
17)	TM	Naphthalene	10.246	10.246	709303	998563	NoCal	97.971	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

392410

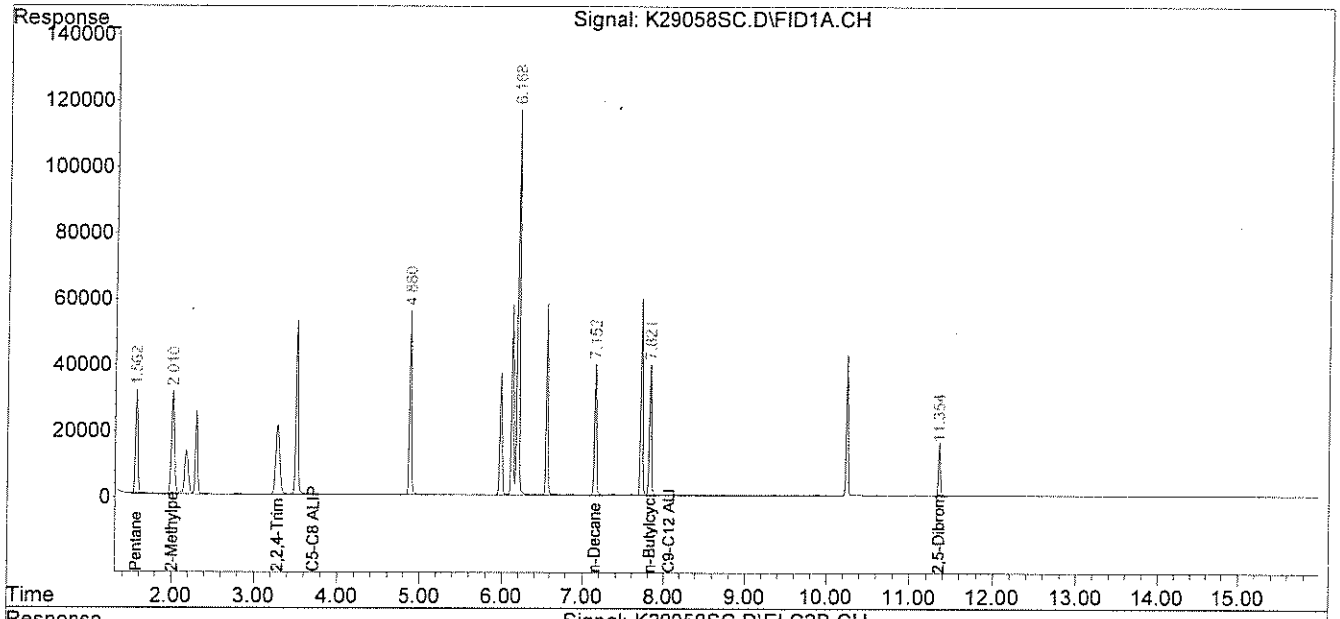
Quantitation Report (Not Reviewed)

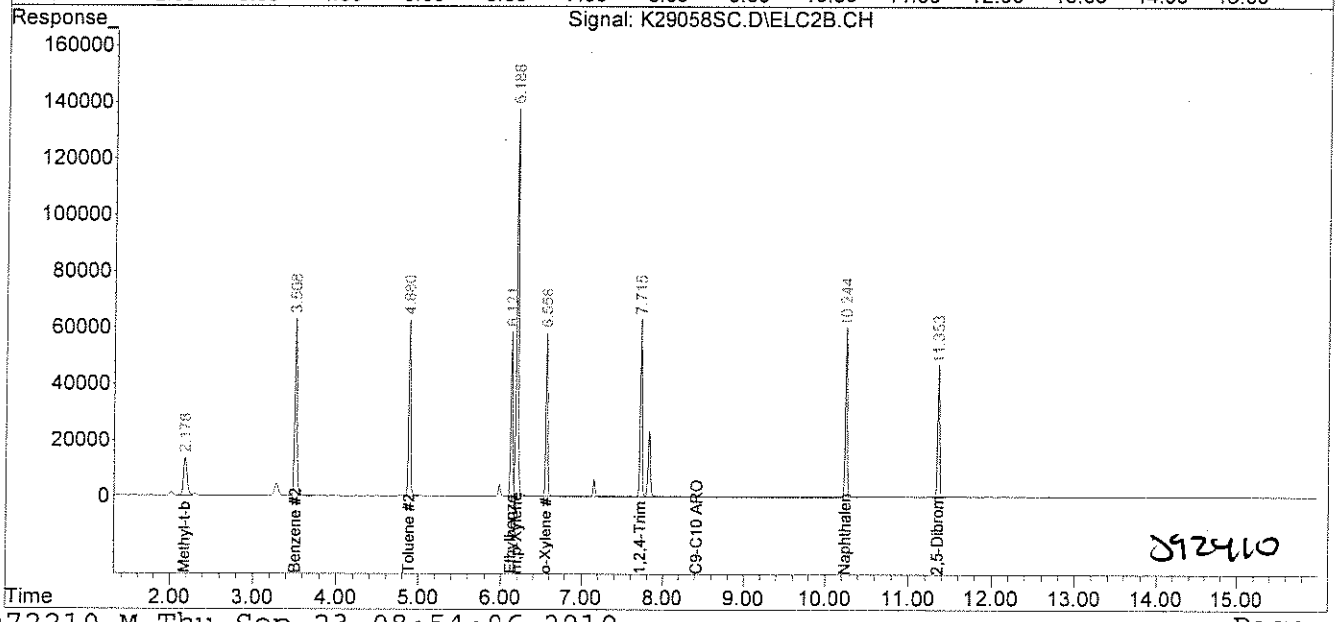
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29058SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 4:08 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 08:13:43 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092410

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K29059SC.D

88 9/23/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	10.1	
2-Methylpentane	92	7.6	
2,2,4-Trimethylpentane	94	5.5	
n-Decane	105	4.8	
n-Butylcyclohexane	100	0.5	
2,5-Dibromotoluene	93	7.4	
Methyl-t-butylether #2	95	5.5	
Benzene #2	98	2.2	
Toluene #2	98	2.2	
Ethylbenzene #2	96	4.2	
m,p-Xylene #2	197	1.6	
o-Xylene #2	94	6.0	
1,2,4-Trimethylbenzene #2	94	6.3	
Naphthalene #2	97	3.3	
2,5-Dibromotoluene #2	101	1.3	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 592400

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K29059SC.D
Date Acquired 9/22/2010 16:33

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5636	1.5680	0.0045	0.0438	OK	89.93	10.07	OK
2-Methylpentane	2.0117	2.0150	0.0033	0.0447	OK	92.37	7.63	OK
2,2,4-Trimethylpentane	3.2821	3.2850	0.0029	0.0405	OK	94.48	5.52	OK
C5-C8 ALIPHATICS						276.77	7.74	OK
n-Decane	7.1528	7.1540	0.0012	0.0380	OK	104.77	4.77	OK
n-Butylcyclohexane	7.8220	7.8240	0.0020	0.0380	OK	100.45	0.45	OK
C9-C12 ALIPHATICS						205.23	2.61	OK
2,5-Dibromotoluene	11.3544	11.3580	0.0036	0.0380	OK	92.63	7.37	OK
PID								
Methyl-t-butylether #2	2.1791	2.1830	0.0039	0.0447	OK	94.53	5.47	OK
Benzene #2	3.5099	3.5120	0.0021	0.0380	OK	97.80	2.20	OK
Toluene #2	4.8815	4.8830	0.0015	0.0344	OK	97.82	2.18	OK
Ethylbenzene #2	6.1222	6.1240	0.0018	0.0344	OK	95.82	4.18	OK
m,p-Xylene #2	6.1889	6.1900	0.0011	0.0344	OK	196.76	1.62	OK
o-Xylene #2	6.5587	6.5610	0.0023	0.0344	OK	93.98	6.02	OK
1,2,4-Trimethylbenzene #2	7.7157	7.7180	0.0023	0.0344	OK	93.73	6.27	OK
C9-C10 AROMATICS #2						93.73	6.27	OK
Naphthalene #2	10.2445	10.2480	0.0035	0.0344	OK	96.68	3.32	OK
2,5-Dibromotoluene #2	11.3538	11.3570	0.0032	0.0344	OK	101.34	1.34	OK

88 9/23/10

342410

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29059SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 4:33 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 08:14:01 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

BS 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	272448	799859	92.627	101.339	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	92.63%	101.34%
	Target Compounds							
1) Z	Pentane	1.564	1.564	629253	13151	89.927	NoCal	#
2) Z	2-Methylp...	2.012	2.012	756015	36049	92.368	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	422417	440863	NoCal	94.534	#
4) Z	2,2,4-Tri...	3.282	3.282	729082	164752	94.479	NoCal	#
5) TM	Benzene	3.510	3.510	1037435	1272618	NoCal	97.802	#
6) TM	Toluene	4.882	4.882	1034494	1166519	NoCal	97.817	#
7) XH	C5-C8 ALI...	3.717	0.000	5263760	0	718.637	N.D.	#
9) TM	Ethylbenzene	6.123	6.122	1025144	1046925	NoCal	95.817	#
10) TM	m,p-Xylene	6.189	6.189	2086239	2468544	NoCal	196.758	#
11) TM	o-Xylene	6.559	6.559	1041785	1051297	NoCal	93.982	#
12) Z	n-Decane	7.153	7.152	722595	110271	104.775	NoCal	#
13) Z	n-Butylcy...	7.822	7.822	739475	447860	100.454	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	7418378	0	1040.593	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.716	1029204	1105612	NoCal	93.728	#
16) XH	C9-C10 AR...	10.410	8.424	16	1843720	NoCal	156.301	#
17) TM	Naphthalene	10.245	10.244	686452	985375	NoCal	96.678	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J 9/24/10

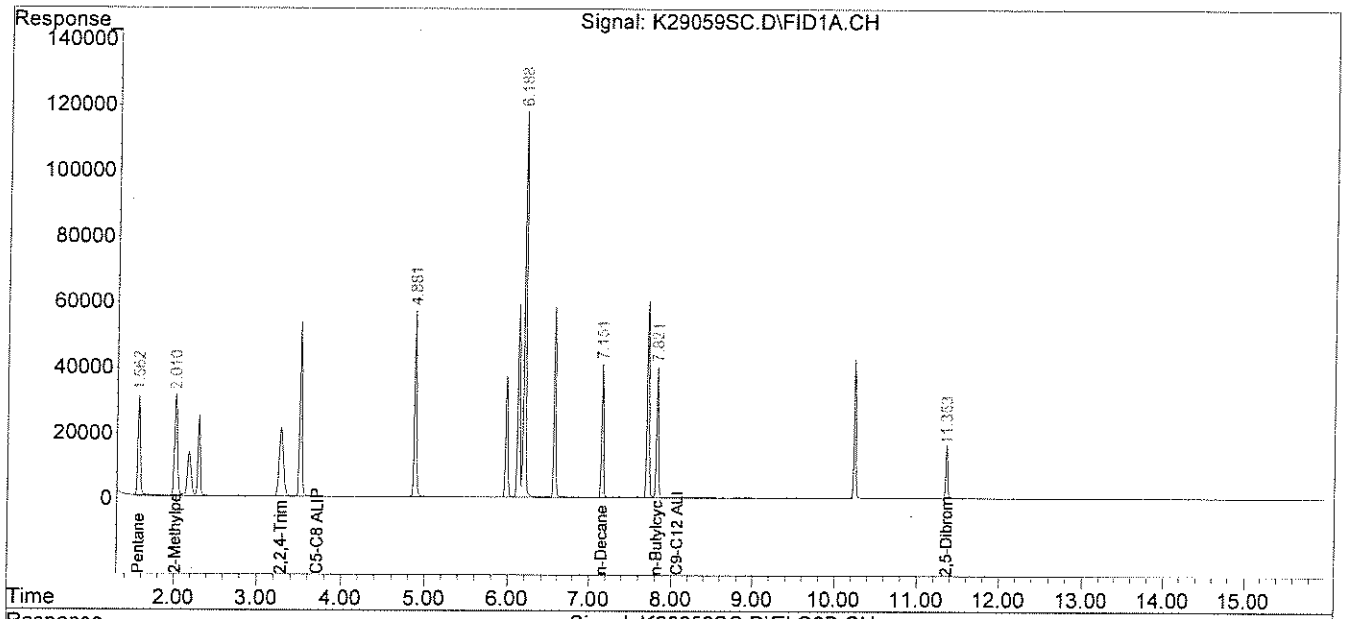
Quantitation Report (Not Reviewed)

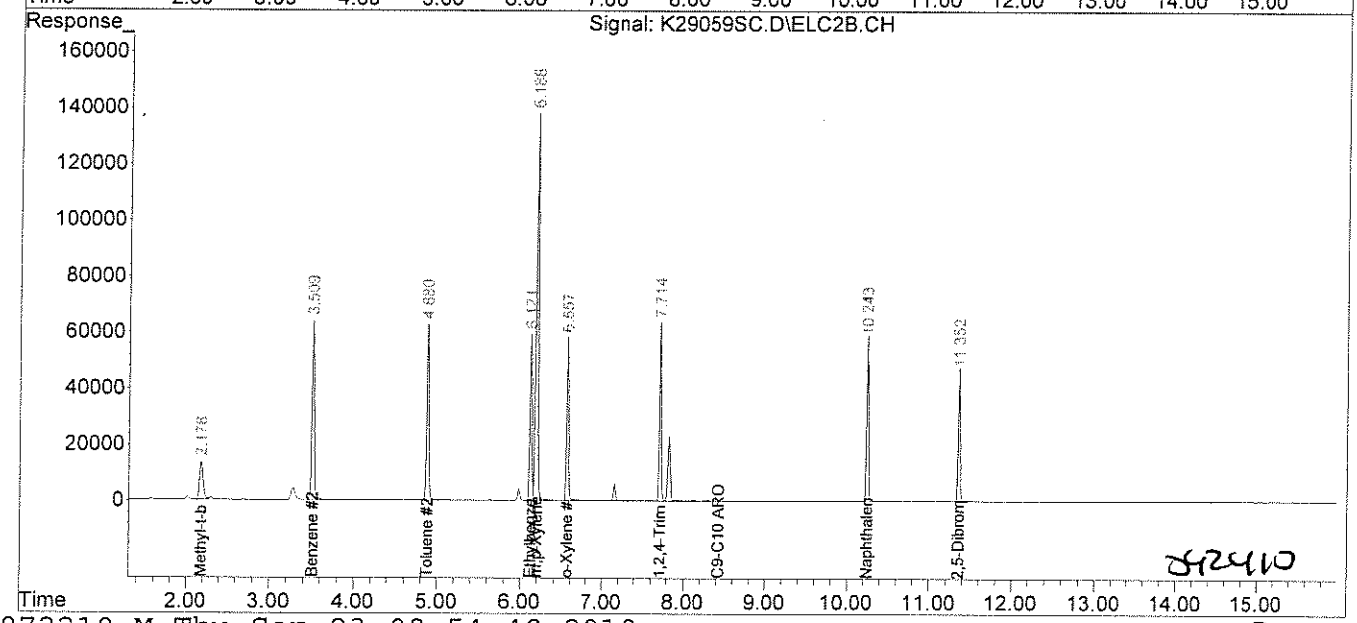
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29059SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 4:33 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 08:14:01 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/24/10

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67833

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K28996SC.D	9/21/2010 7:16	11.353		11.353	
Upper Limit			11.383		11.383	
Lower limit			11.323		11.323	
SAMPLE ID						
LSV092110K	K28997Q.D	9/21/2010 7:54	11.353		11.353	
LSV092110K2	K28998Q.D	9/21/2010 8:19	11.353		11.353	
MBV092110K2	K29001B.D	9/21/2010 9:59	11.354		11.353	
67833-1	K29002.D	9/21/2010 10:48	11.354		11.353	
67833-2	K29003.D	9/21/2010 11:13	11.353		11.353	
67833-3	K29004.D	9/21/2010 11:38	11.354		11.353	
67833-4	K29005.D	9/21/2010 12:02	11.353		11.353	
67833-5	K29006.D	9/21/2010 12:27	11.353		11.353	
67833-6	K29007.D	9/21/2010 12:52	11.353		11.353	
67833-7	K29008.D	9/21/2010 13:17	11.353		11.353	
67833-8	K29009.D	9/21/2010 13:41	11.354		11.353	
67833-10	K29011.D	9/21/2010 14:30	11.354		11.353	
67833-12	K29013.D	9/21/2010 15:20	11.354		11.353	
67833-13	K29014.D	9/21/2010 15:44	11.354		11.353	
67833-16	K29017.D	9/21/2010 16:58	11.354		11.354	
VPH 100 UG/L	K29019SC.D	9/21/2010 17:47	11.354		11.353	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67833

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K29019SC.D	9/21/2010 17:47	11.354		11.353	
Upper Limit			11.384		11.383	
Lower limit			11.324		11.323	
SAMPLE ID						
LSV092110K3	K29020Q.D	9/21/2010 18:36	11.355		11.354	
LSV092110K4	K29021Q.D	9/21/2010 19:00	11.354		11.354	
MBV092110K3	K29023B.D	9/21/2010 19:50	11.354		11.353	
67833-6,MS	K29039SP.D	9/22/2010 2:25	11.354		11.353	
67833-6,MSD	K29040SP.D	9/22/2010 2:50	11.355		11.354	
VPH 100 UG/L	K29041SC.D	9/22/2010 3:14	11.354		11.354	
VPH 100 UG/L	K29042SC.D	9/22/2010 3:39	11.354		11.354	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67833

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K29044SC.D	9/22/2010 9:07	11.354		11.353	
Upper Limit			11.384		11.383	
Lower limit			11.324		11.323	
SAMPLE ID						
LSV092210K	K29045Q.D	9/22/2010 10:09	11.353		11.352	
LSV092210K2	K29046Q.D	9/22/2010 10:34	11.353		11.352	
MBV092210K	K29048B.D	9/22/2010 11:32	11.352		11.352	
67833-9,RR	K29049.D	9/22/2010 12:10	11.353		11.352	
67833-11	K29050.D	9/22/2010 12:36	11.353		11.352	
67833-15	K29051.D	9/22/2010 13:02	11.352		11.351	
67833-I4,5X	K29055.D	9/22/2010 14:46	11.353		11.352	
VPH 100 UG/L	K29058SC.D	9/22/2010 16:08	11.355		11.355	
VPH 100 UG/L	K29059SC.D	9/22/2010 16:33	11.354		11.354	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

EPH
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B092010EASE
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				65
Aromatic Surrogate % Recovery (O-Terphenyl)				79
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				82
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				75
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mululall

EPH SOIL ANALYTICAL RESULTS

Sample Name: B092010EASE

09-2210

Dilution Factors	ARO 1.000000		ALI 1.0000000
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		26667
Naphthalene	U		267
2-Methylnaphthalene	U		267
Phenanthrene	U		267
Acenaphthene	U		267
Acenaphthylene	U		267
Fluorene	U		267
Anthracene	U		267
Fluoranthene	U		267
Pyrene	U		267
Benzo[a]anthracene	U		267
Chrysene	U		267
Benzo[b] fluoranthene	U		267
Benzo[k] fluoranthene	U		267
Benzo[a] pyrene	U		267
Indeno [1,2,3-cd] pyrene	U		267
Dibenz [a,h] anthracene	U		267
Benzo(g,h,i) perylene	U		267
C9-C18 Aliphatics	U		26667
C19-C36 Aliphatics	U		26667
C11-C22 Aromatics	U		26667
1-Chlorooctadecane (Ali)	65%	40-140%	PASS
o-terphenyl (Aro)	79%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	82%	40-140%	PASS
2-Bromonaphthalene (Fraction)	75%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35933B.D	---------
Date Acquired	9/22/2010 5:39	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	15.00	15.00
% Solid (divided by 100)	1.0000	1.0000
Final Volume (mL)	2.0	2.0
Dilution (1:X)	1	1
Calculation Factor	133.3333	133.3333

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-133	Quadratic
2-Methylnaphthalene	-1.00	-133	Quadratic
Acenaphthylene	-1.00	-133	Quadratic
Acenaphthene	-1.00	-133	Quadratic
Fluorene	-1.00	-133	Quadratic
Phenanthrene	-1.00	-133	Quadratic
Anthracene	-1.00	-133	Quadratic
Fluoranthene	-1.00	-133	Quadratic
Pyrene	-1.00	-133	Quadratic
Benzo[a]anthracene	0.00	0	Avg RF
Chrysene	0.00	1	Avg RF
Benzo[b] fluoranthene	0.00	0	Avg RF
Benzo[k] fluoranthene	0.00	0	Avg RF
Benzo[a] pyrene	0.00	0	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.00	0	Avg RF
C11-C22	31.932	1101	
ARO Hexane Blank	23.671		
Adjusted C11-C22		2299	
ALIPHATICS			
C9-C18	20.464	25	
C9-C18 Hexane Blank	20.274		
C19-C36	35.089	505	
C19-C36 Hexane Blank	31.299		
Surrogates			
1-Chlorooctadecane (Ali)	12.924	65%	
2-Fluorobiphenyl (Fraction)	16.34	82%	
2-Bromonaphthalene (Fraction)	14.94	75%	
o-terphenyl (Aro)	15.87	79%	

9/23/10

Quantitation Report (Not Reviewed)

Q

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35933B.D
Acq On : 22 Sep 2010 5:39 am
Operator : AR/MG
Sample : B092010EASE
Misc : SOIL,ARO
ALS Vial : 14 Sample Multiplier: 1

092210

Quant Time: Sep 22 09:23:09 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	85297	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	527039	16.34 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	81.70%	82
10) 2-Bromonaphthalene	5.962	206	220442	14.94 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	74.70%	75
11) o-terphenyl	7.480	230	410058	15.87 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	79.35%	79

Target Compounds					Qvalue
2) Naphthalene	4.556	128	5263	~~Below Cal~~ #	~~94~~
3) 2-Methylnaphthalene	5.131	141	466	Below Cal #	78
4) Acenaphthylene	5.855	152	312	Below Cal #	61
5) Acenaphthene	5.991	154	167	Below Cal #	33
6) Fluorene	6.413	166	252	Below Cal #	6
7) Phenanthrene	7.180	178	561	Below Cal #	90
8) Anthracene	7.232	178	149	Below Cal #	45
12) Fluoranthene	8.140	202	354	Below Cal #	34
13) Pyrene	8.332	202	585	Below Cal #	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

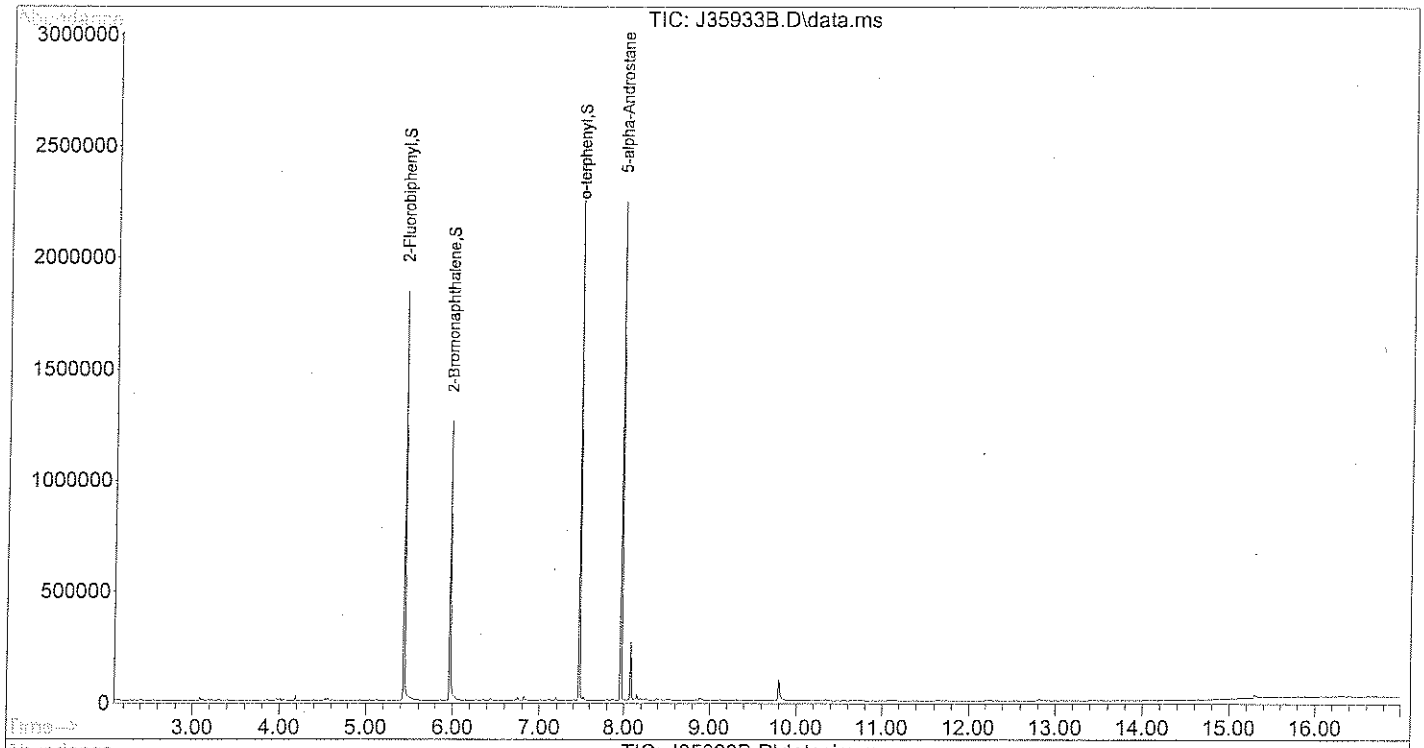
9/23/10

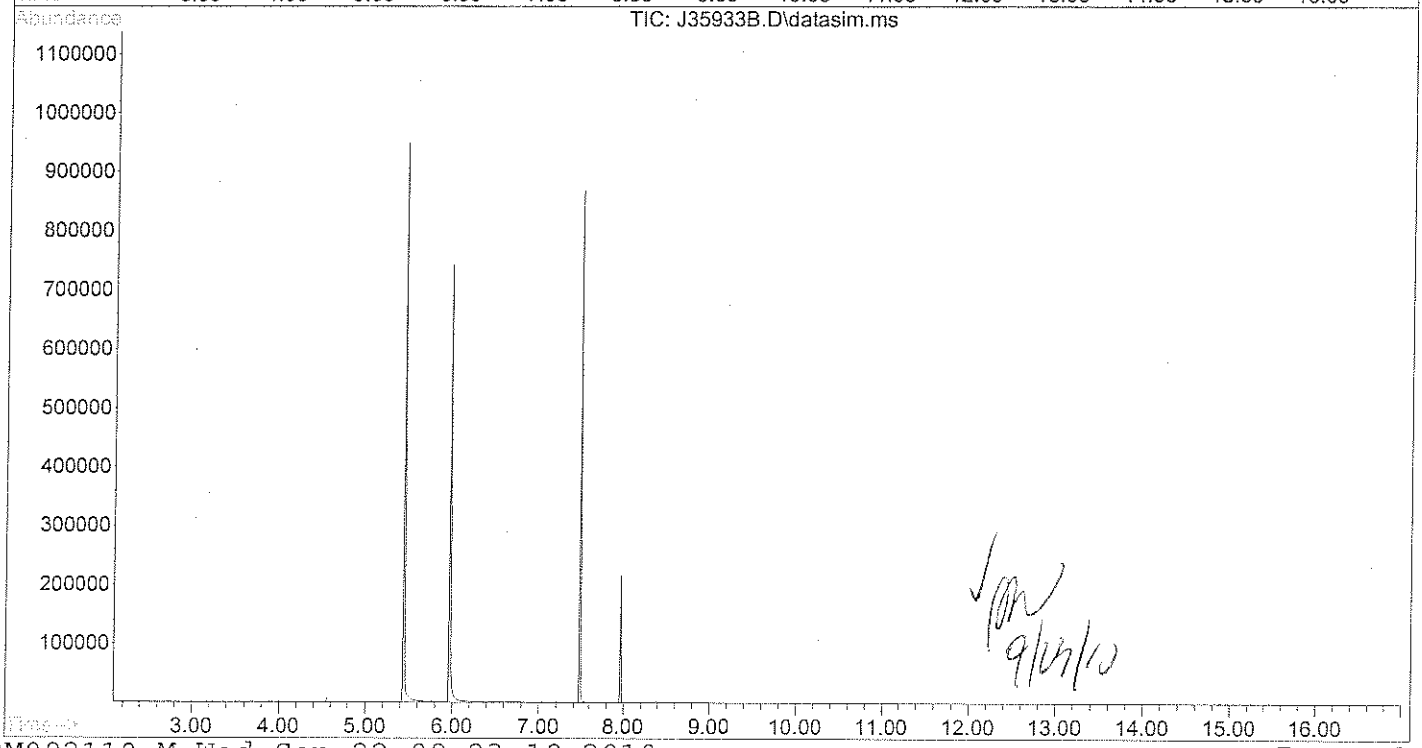
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35933B.D
Acq On : 22 Sep 2010 5:39 am
Operator : AR/MG
Sample : B092010EASE
Misc : SOIL,ARO
ALS Vial : 14 Sample Multiplier: 1

592210

Quant Time: Sep 22 09:23:09 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35933B.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 5:39 am
Operator : AR/MG
Sample : B092010EASE
Misc : SOIL,ARO
ALS Vial : 14 Sample Multiplier: 1

Q

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 09:37:15 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

JG 22 10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	19263923	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	15395481	16.469 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	82.34%
10) S 2-Bromonaphthalene	5.965	11880138	16.294 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	81.47%
11) S o-terphenyl	7.481	19255670	16.688 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	83.44%
Target Compounds			
5) TZ Acenaphthene	5.965f	11880138	11.324 ug/ml
14) TZ Benzo[a]anthracene	9.598	128850	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.117	24865	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.645	219109	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.340	15940	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.419	196801	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.762	25821	<MDL ug/ml
22) XH c11-c22	12.565	30326549	31.932 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

23.671

9/23/10

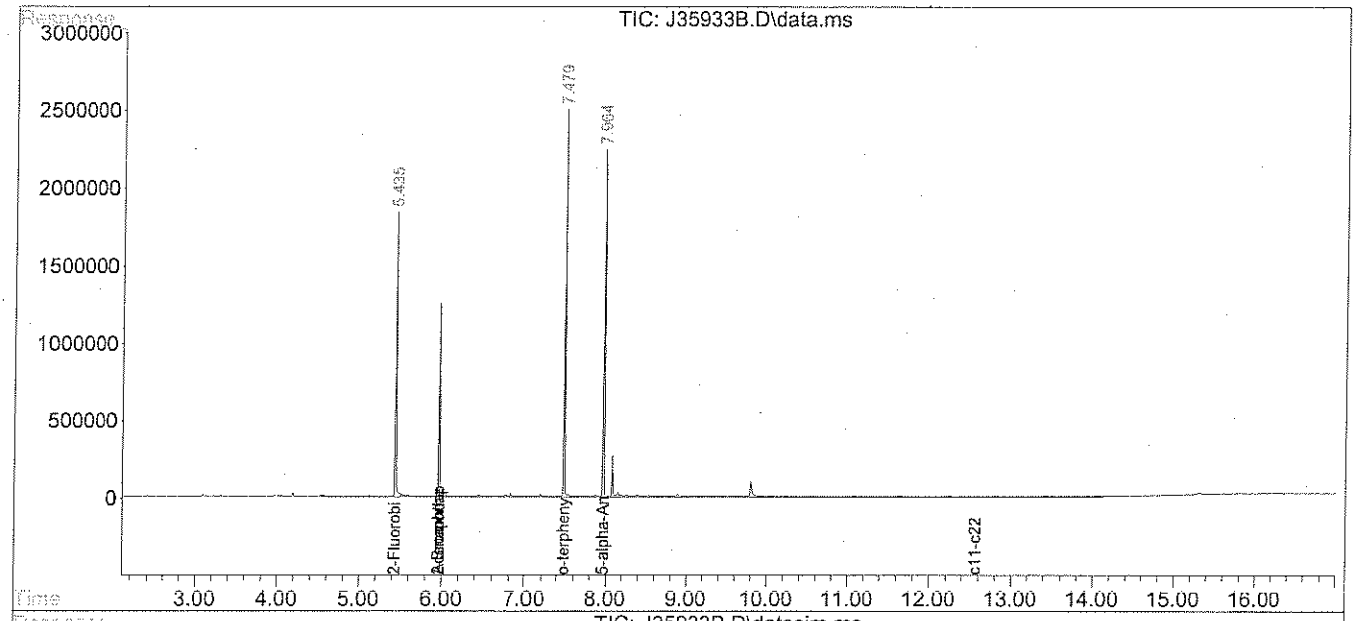
Quantitation Report (Not Reviewed)

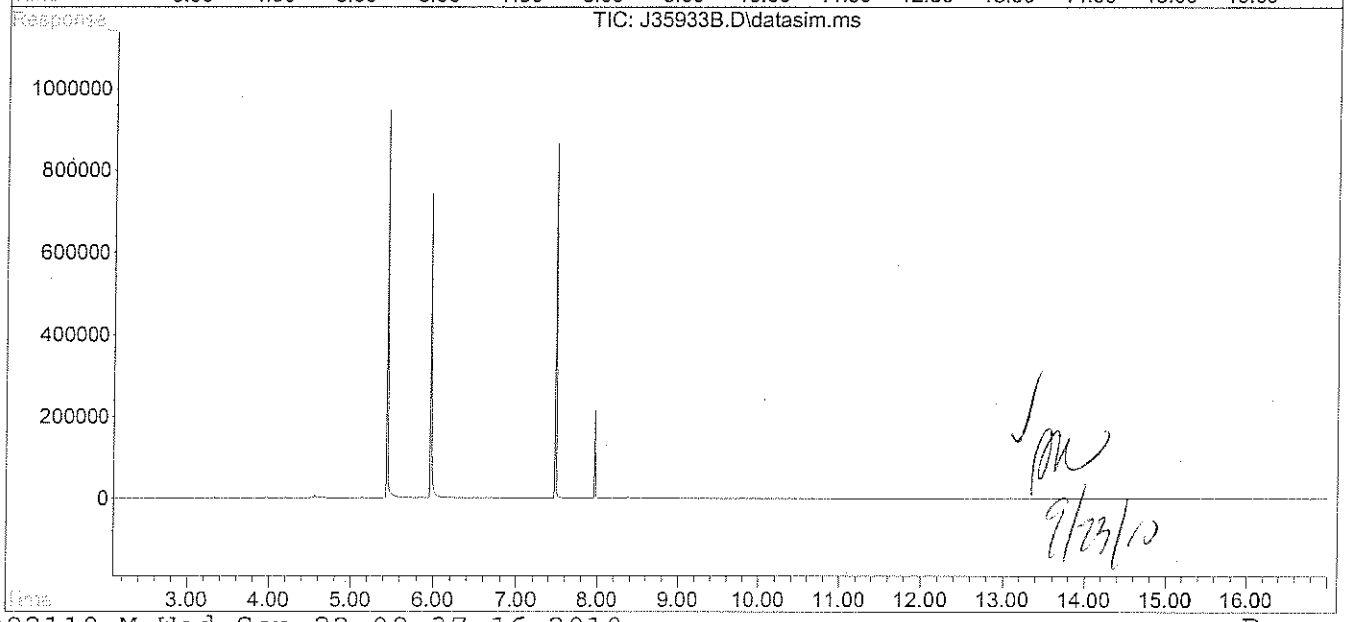
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35933B.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 5:39 am
Operator : AR/MG
Sample : B092010EASE
Misc : SOIL,ARO
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 09:37:15 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

092210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

Data File : D:\HPCHEM\1\DATA\092010-D\D71748B.D Vial: 15
Acq On : 21 Sep 2010 5:39 pm Operator: AR
Sample : B092010EASE Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PM 9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5234791	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4151833	12.924 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.62%
Target Compounds			
2) TZM C-9	4.03	46871	<MDL ug/ml
3) TZM C-10	5.02	7512	<MDL ug/ml
4) TZM C-12	6.51	54806	<MDL ug/ml
5) TZM C-14	7.67	74842	<MDL ug/ml
6) TZM C-16	8.69	29555	<MDL ug/ml
7) TZM C-18	9.60	22736	<MDL ug/ml
8) XH C9-C18	7.38	7113225	20.464 ug/ml
9) TZM C-19	10.02	26702	<MDL ug/ml
10) TZM C-20	10.45	67414	<MDL ug/ml
12) TZM C-22	11.42	92947	<MDL ug/ml
13) TZM C-24	12.69	60477	<MDL ug/ml
14) TZM C-26	14.16	46698	<MDL ug/ml
15) TZM C-28	15.73	10828	<MDL ug/ml
16) TZM C-30	17.22	20369	<MDL ug/ml
17) TZM C-36	21.30	25111	4.176 ug/ml
18) XH C19-C36	11.90	10119753	35.089 ug/ml

20.274/31.295

9/22/10

PM 9/23/10

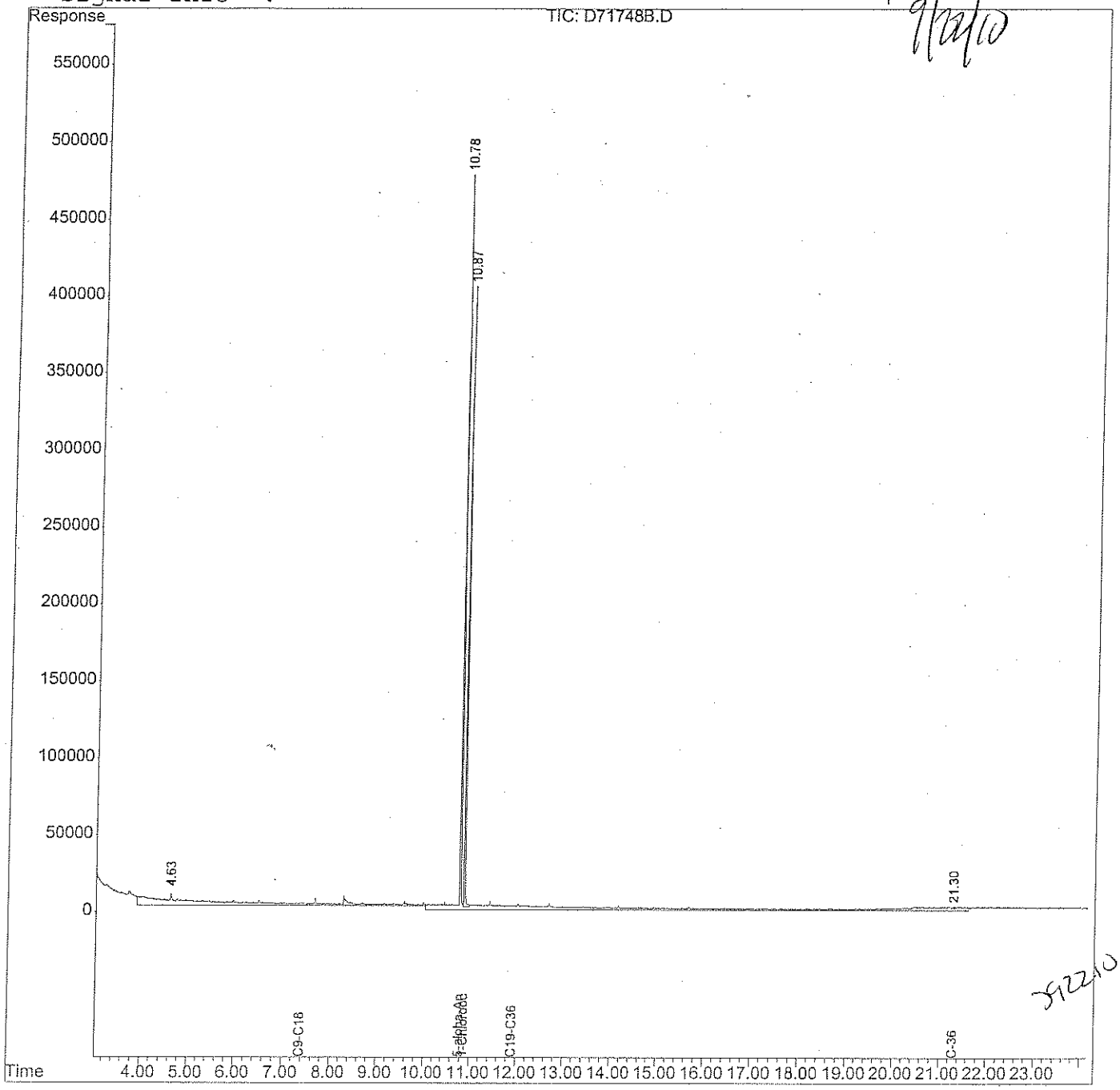
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\092010-D\D71748B.D Vial: 15
Acq On : 21 Sep 2010 5:39 pm Operator: AR
Sample : B092010EASE Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

M 9/22/10



9/22/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-01

SAMPLE DATA

Lab Sample ID: 67833-1
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28000	µg/kg	U
Diesel PAH Analytes	Naphthalene	280	µg/kg	U
	2-Methylnaphthalene	280	µg/kg	U
	Phenanthrene	280	µg/kg	U
	Acenaphthene	280	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	280	µg/kg	U
	Fluorene	280	µg/kg	U
	Anthracene	280	µg/kg	U
	Fluoranthene	280	µg/kg	U
	Pyrene	280	µg/kg	U
	Benzo[a]anthracene	280	µg/kg	U
	Chrysene	280	µg/kg	U
	Benzo[b]fluoranthene	280	µg/kg	U
	Benzo[k]fluoranthene	280	µg/kg	U
	Benzo[a]pyrene	280	µg/kg	U
	Indeno[1,2,3-cd]pyrene	280	µg/kg	U
	Dibenzo[a,h]anthracene	280	µg/kg	U
	Benzo[g,h,i]perylene	280	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		28000	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		28000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		28000	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				66
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				74
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				70
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

59-2210

Sample Name: 67833-1

Dilution Factors	ARO 1.048958		ALI 1.0489578
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		27972
Naphthalene	U		280
2-Methylnaphthalene	U		280
Phenanthrene	U		280
Acenaphthene	U		280
Acenaphthylene	U		280
Fluorene	U		280
Anthracene	U		280
Fluoranthene	U		280
Pyrene	U		280
Benzo[a]anthracene	U		280
Chrysene	U		280
Benzo[b] fluoranthene	U		280
Benzo[k] fluoranthene	U		280
Benzo[a] pyrene	U		280
Indeno [1,2,3-cd] pyrene	U		280
Dibenz [a,h] anthracene	U		280
Benzo(g,h,i) perylene	U		280
C9-C18 Aliphatics	U		27972
C19-C36 Aliphatics	U		27972
C11-C22 Aromatics	U		27972
1-Chlorooctadecane (Ali)	64%	40-140%	PASS
o-terphenyl (Aro)	66%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	74%	40-140%	PASS
2-Bromonaphthalene (Fraction)	70%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35938.D	---------
Date Acquired	9/22/2010 7:33	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.54**	15.54
% Solid (divided by 100)	**0.9202**	0.9202
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	139.8610	139.8610

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-140	Quadratic
2-Methylnaphthalene	-1.00	-140	Quadratic
Acenaphthylene	-1.00	-140	Quadratic
Acenaphthene	-1.00	-140	Quadratic
Fluorene	-1.00	-140	Quadratic
Phenanthrene	-1.00	-140	Quadratic
Anthracene	-1.00	-140	Quadratic
Fluoranthene	-1.00	-140	Quadratic
Pyrene	-1.00	-140	Quadratic
Benzo[a]anthracene	0.07	10	Avg RF
Chrysene	0.10	13	Avg RF
Benzo[b] fluoranthene	0.08	12	Avg RF
Benzo[k] fluoranthene	0.01	1	Avg RF
Benzo[a] pyrene	0.06	8	Avg RF
Indeno [1,2,3-cd] pyrene	0.01	1	Avg RF
Dibenz [a,h] anthracene	0.01	1	Avg RF
Benzo(g,h,i) perylene	0.03	4	Avg RF
C11-C22	**34.924**	1574	
ARO Hexane Blank	**23.671**		
Adjusted C11-C22		2782	
ALIPHATICS			
C9-C18	**22.655**	333	
C9-C18 Hexane Blank	**20.274**		
C19-C36	**36.053**	665	
C19-C36 Hexane Blank	**31.299**		
Surrogates			
1-Chlorooctadecane (Ali)	**12.704**	64%	
2-Fluorobiphenyl (Fraction)	14.85	74%	
2-Bromonaphthalene (Fraction)	14.02	70%	
o-terphenyl (Aro)	13.30	66%	

JM 9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35938.D
Acq On : 22 Sep 2010 7:33 am
Operator : AR/MG
Sample : 67833-1
Misc : SOIL,ARO
ALS Vial : 19 Sample Multiplier: 1

592250

Quant Time: Sep 22 09:23:19 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	96624	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	542735	14.85 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 74.25%		
10) 2-Bromonaphthalene	5.962	206	234289	14.02 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 70.10%		
11) o-terphenyl	7.480	230	389193	13.30 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 66.50%		

Target Compounds					Qvalue
2) Naphthalene	4.555	128	4613	~~Below Cal~~ #	~~94~~
3) 2-Methylnaphthalene	5.131	141	737	Below Cal #	67
4) Acenaphthylene	5.849	152	797	Below Cal #	80
5) Acenaphthene	5.991	154	229	Below Cal #	72
6) Fluorene	6.412	166	878	Below Cal #	86
7) Phenanthrene	7.180	178	5599	Below Cal #	93
8) Anthracene	7.218	178	1274	Below Cal #	93
12) Fluoranthene	8.136	202	9668	Below Cal #	76
13) Pyrene	8.328	202	10513	Below Cal	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

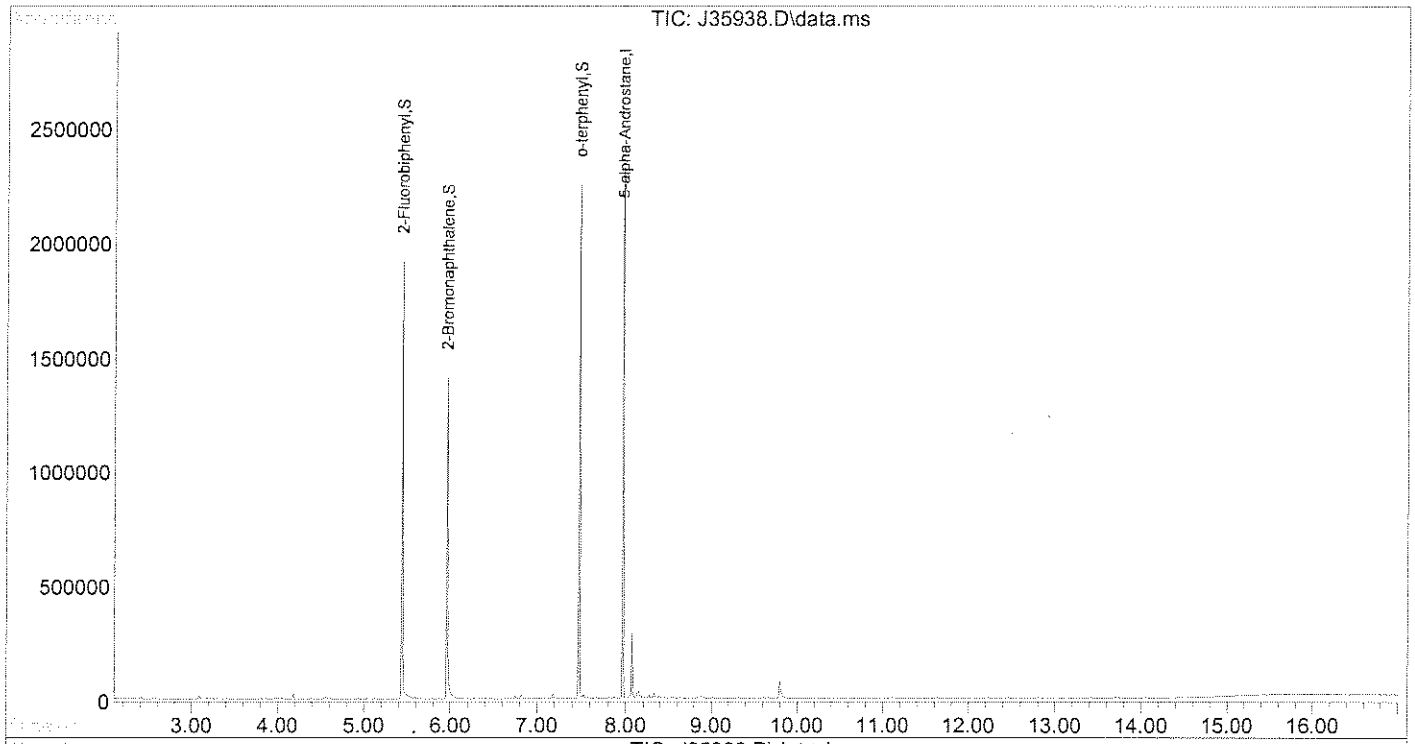
9/23/10

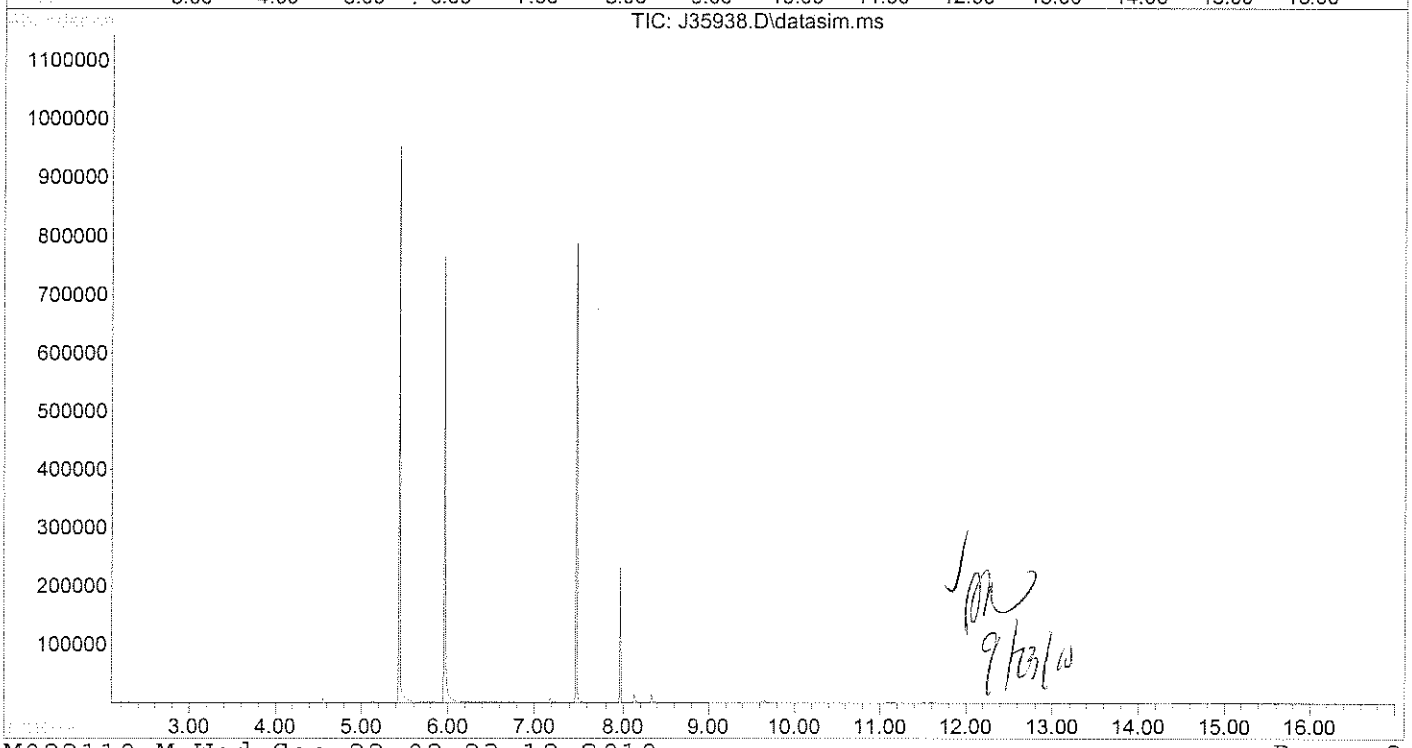
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35938.D
Acq On : 22 Sep 2010 7:33 am
Operator : AR/MG
Sample : 67833-1
Misc : SOIL,ARO
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 22 09:23:19 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

392210





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35938.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 7:33 am
Operator : AR/MG
Sample : 67833-1
Misc : SOIL,ARO
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 09:37:17 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	21109245	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.436	15975888	15.498 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	77.49%
10) S 2-Bromonaphthalene	5.964	12725578	15.928 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.64%
11) S o-terphenyl	7.481	18295921	14.116 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	70.58%
Target Compounds			
5) TZ Acenaphthene	5.964f	12725578	11.033 ug/ml
14) TZ Benzo[a]anthracene	9.607	178573	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.109	115774	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.595	74700	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.349	26230	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.414	70628	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.772	37066	<MDL ug/ml
22) XH c11-c22	12.565	36345927	34.924 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

23.671

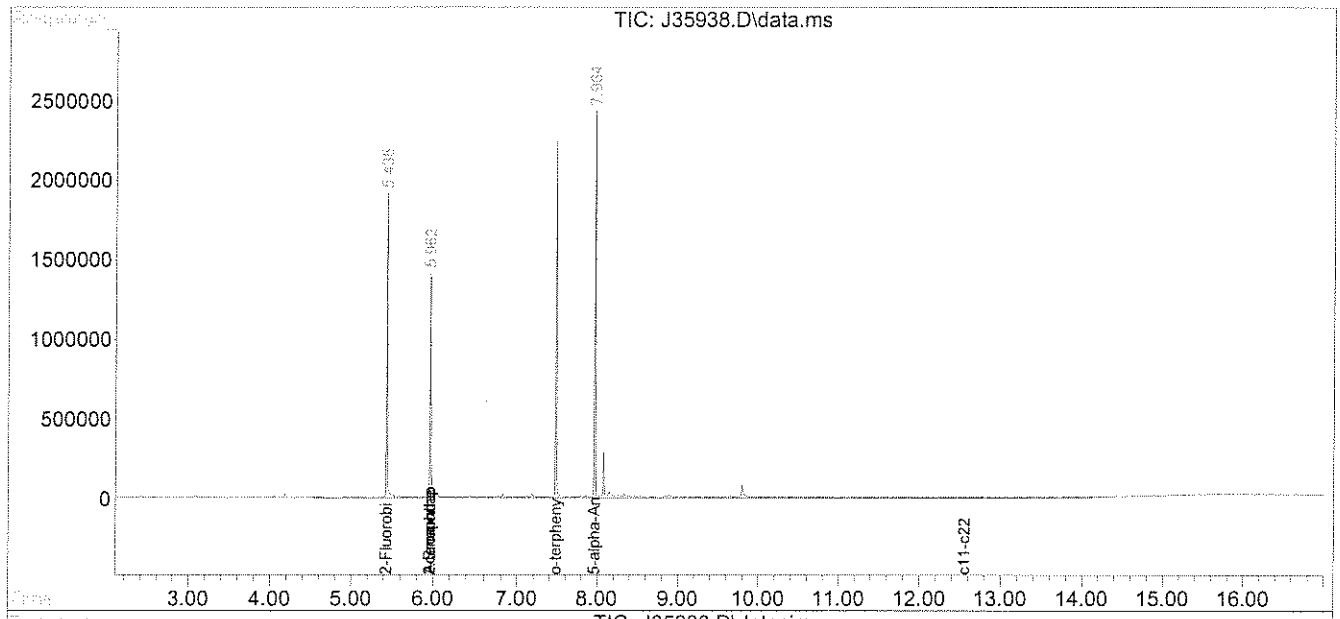
9/23/10

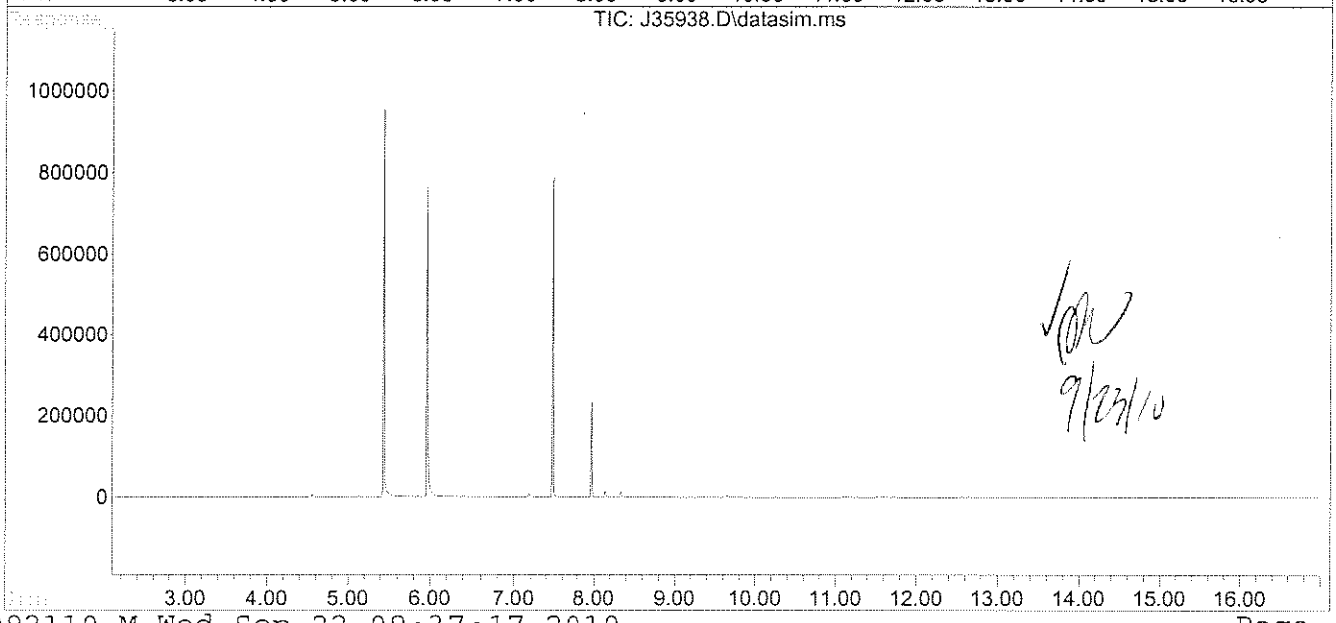
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35938.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 7:33 am
Operator : AR/MG
Sample : 67833-1
Misc : SOIL,ARO
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 09:37:17 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71751.D Vial: 18
Acq On : 21 Sep 2010 7:09 pm Operator: AR
Sample : 67833-1 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PM 9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	4863304	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	3791593	12.704 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.52%
Target Compounds			
2) TZM C-9	4.01	8413	<MDL ug/ml
3) TZM C-10	5.02	6917	<MDL ug/ml
4) TZM C-12	6.51	42417	<MDL ug/ml
5) TZM C-14	7.67	93364	<MDL ug/ml
6) TZM C-16	8.69	33462	<MDL ug/ml
7) TZM C-18	9.62	43069	<MDL ug/ml
8) XH C9-C18	7.38	7315760	22.655 ug/ml
9) TZM C-19	10.02	29772	<MDL ug/ml
10) TZM C-20	10.45	59003	<MDL ug/ml
12) TZM C-22	11.44	14132	<MDL ug/ml
13) TZM C-24	12.69	43066	<MDL ug/ml
14) TZM C-26	14.20	20785	<MDL ug/ml
15) TZM C-28	15.69	37298	<MDL ug/ml
16) TZM C-30	17.24	12020	<MDL ug/ml
17) TZM C-36	21.25	23608	4.178 ug/ml
18) XH C19-C36	11.90	9660064	36.053 ug/ml

20.274/31.299

592210

(f)=RT Delta > 1/2 Window (m)=manual int.

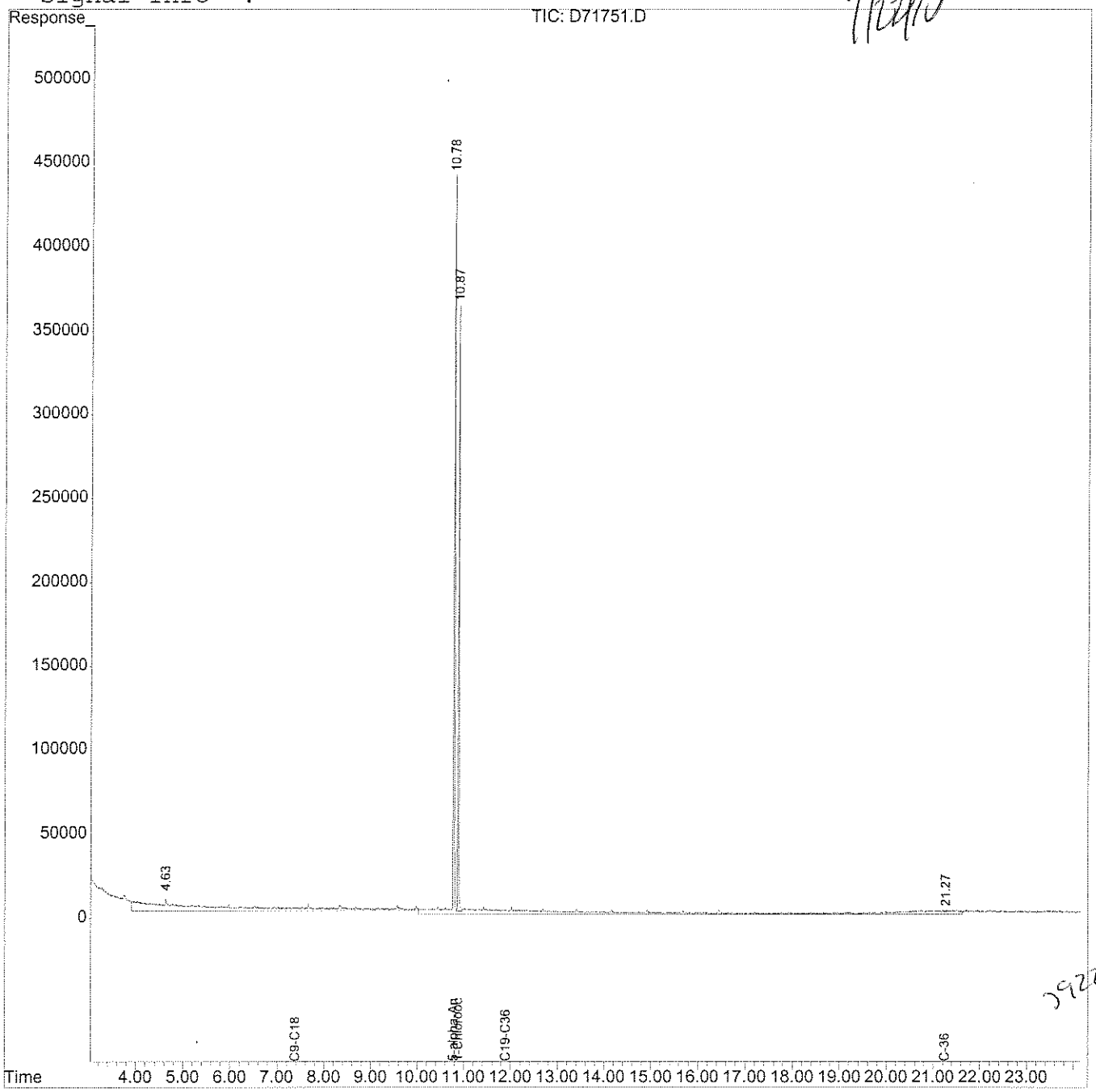
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71751.D Vial: 18
Acq On : 21 Sep 2010 7:09 pm Operator: AR
Sample : 67833-1 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/22/10



9/22/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-02

SAMPLE DATA

Lab Sample ID: 67833-2
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28400	µg/kg	U
Diesel PAH Analytes	Naphthalene	284	µg/kg	U
	2-Methylnaphthalene	284	µg/kg	U
	Phenanthrene	284	µg/kg	U
	Acenaphthene	284	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	284	µg/kg	U
	Fluorene	284	µg/kg	U
	Anthracene	284	µg/kg	U
	Fluoranthene	284	µg/kg	U
	Pyrene	284	µg/kg	U
	Benzo[a]anthracene	284	µg/kg	U
	Chrysene	284	µg/kg	U
	Benzo[b]fluoranthene	284	µg/kg	U
	Benzo[k]fluoranthene	284	µg/kg	U
	Benzo[a]pyrene	284	µg/kg	U
	Indeno[1,2,3-cd]pyrene	284	µg/kg	U
	Dibenzo[a,h]anthracene	284	µg/kg	U
	Benzo[g,h,i]perylene	284	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		28400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		28400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		28400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				58
Aromatic Surrogate % Recovery (O-Terphenyl)				70
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				76
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				74
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mulbell

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67833-2

J92210

Dilution Factors	ARO 1.063692		ALI 1.0636917
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		28365
Naphthalene	U		284
2-Methylnaphthalene	U		284
Phenanthrene	U		284
Acenaphthene	U		284
Acenaphthylene	U		284
Fluorene	U		284
Anthracene	U		284
Fluoranthene	U		284
Pyrene	U		284
Benzo[a]anthracene	U		284
Chrysene	U		284
Benzo[b] fluoranthene	U		284
Benzo[k] fluoranthene	U		284
Benzo[a] pyrene	U		284
Indeno [1,2,3-cd] pyrene	U		284
Dibenz [a,h] anthracene	U		284
Benzo(g,h,i) perylene	U		284
C9-C18 Aliphatics	U		28365
C19-C36 Aliphatics	U		28365
C11-C22 Aromatics	U		28365
1-Chlorooctadecane (Ali)	58%	40-140%	PASS
o-terphenyl (Aro)	70%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	76%	40-140%	PASS
2-Bromonaphthalene (Fraction)	74%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35939.D	---------
Date Acquired	9/22/2010 7:55	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.66**	15.66
% Solid (divided by 100)	**0.9005**	0.9005
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	141.8256	141.8256

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-142	Quadratic
2-Methylnaphthalene	-1.00	-142	Quadratic
Acenaphthylene	-1.00	-142	Quadratic
Acenaphthene	-1.00	-142	Quadratic
Fluorene	-1.00	-142	Quadratic
Phenanthrene	-1.00	-142	Quadratic
Anthracene	-1.00	-142	Quadratic
Fluoranthene	-1.00	-142	Quadratic
Pyrene	-1.00	-142	Quadratic
Benzo[a]anthracene	0.02	2	Avg RF
Chrysene	0.02	2	Avg RF
Benzo[b] fluoranthene	0.02	3	Avg RF
Benzo[k] fluoranthene	0.01	2	Avg RF
Benzo[a] pyrene	0.01	2	Avg RF
Indeno [1,2,3-cd] pyrene	0.01	1	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.00	1	Avg RF
C11-C22	**28.902**	742	
ARO Hexane Blank	**23.671**		
Adjusted C11-C22		2005	
ALIPHATICS			
C9-C18	**19.777**	-70	
C9-C18 Hexane Blank	**20.274**		
C19-C36	**40.369**	1286	
C19-C36 Hexane Blank	**31.299**		
Surrogates			
1-Chlorooctadecane (Ali)	**11.572**	58%	
2-Fluorobiphenyl (Fraction)	15.27	76%	
2-Bromonaphthalene (Fraction)	14.71	74%	
o-terphenyl (Aro)	14.03	70%	

9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35939.D
Acq On : 22 Sep 2010 7:55 am
Operator : AR/MG
Sample : 67833-2
Misc : SOIL,ARO
ALS Vial : 20 Sample Multiplier: 1

592210

Quant Time: Sep 22 09:23:21 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	103754	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	599255	15.27 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	76.35%	76
10) 2-Bromonaphthalene	5.962	206	264003	14.71 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	73.55%	74
11) o-terphenyl	7.480	230	441017	14.03 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	70.15%	70
Target Compounds					Qvalue
2) Naphthalene	4.556	128	4991	~~Below Cal~~	~~# 88~~
3) 2-Methylnaphthalene	5.131	141	750	Below Cal	# 72
4) Acenaphthylene	5.855	152	864	Below Cal	# 92
5) Acenaphthene	5.991	154	442	Below Cal	# 84
6) Fluorene	6.413	166	658	Below Cal	# 62
7) Phenanthrene	7.180	178	3630	Below Cal	# 87
8) Anthracene	7.250	178	248	Below Cal	# 86
12) Fluoranthene	8.136	202	3257	Below Cal	# 72
13) Pyrene	8.328	202	2585	Below Cal	# 92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

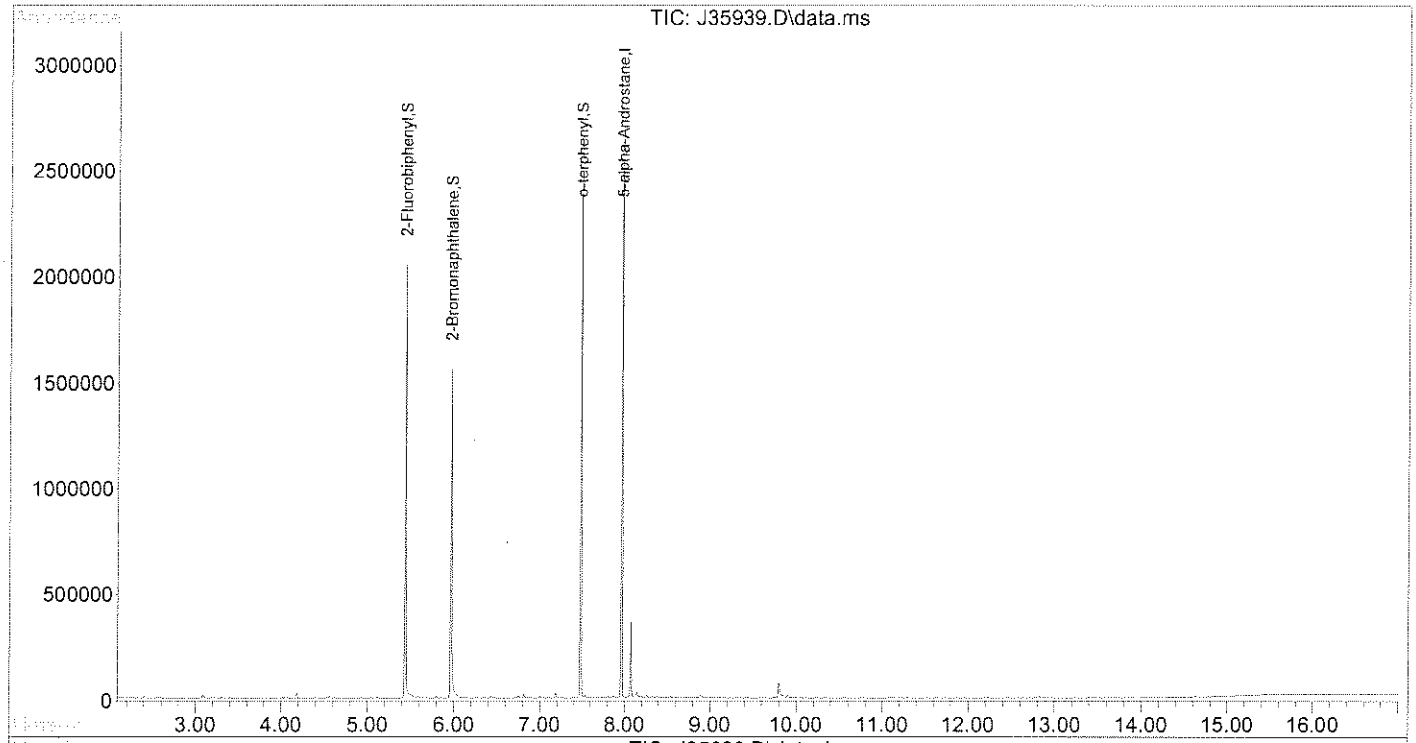
9/23/10

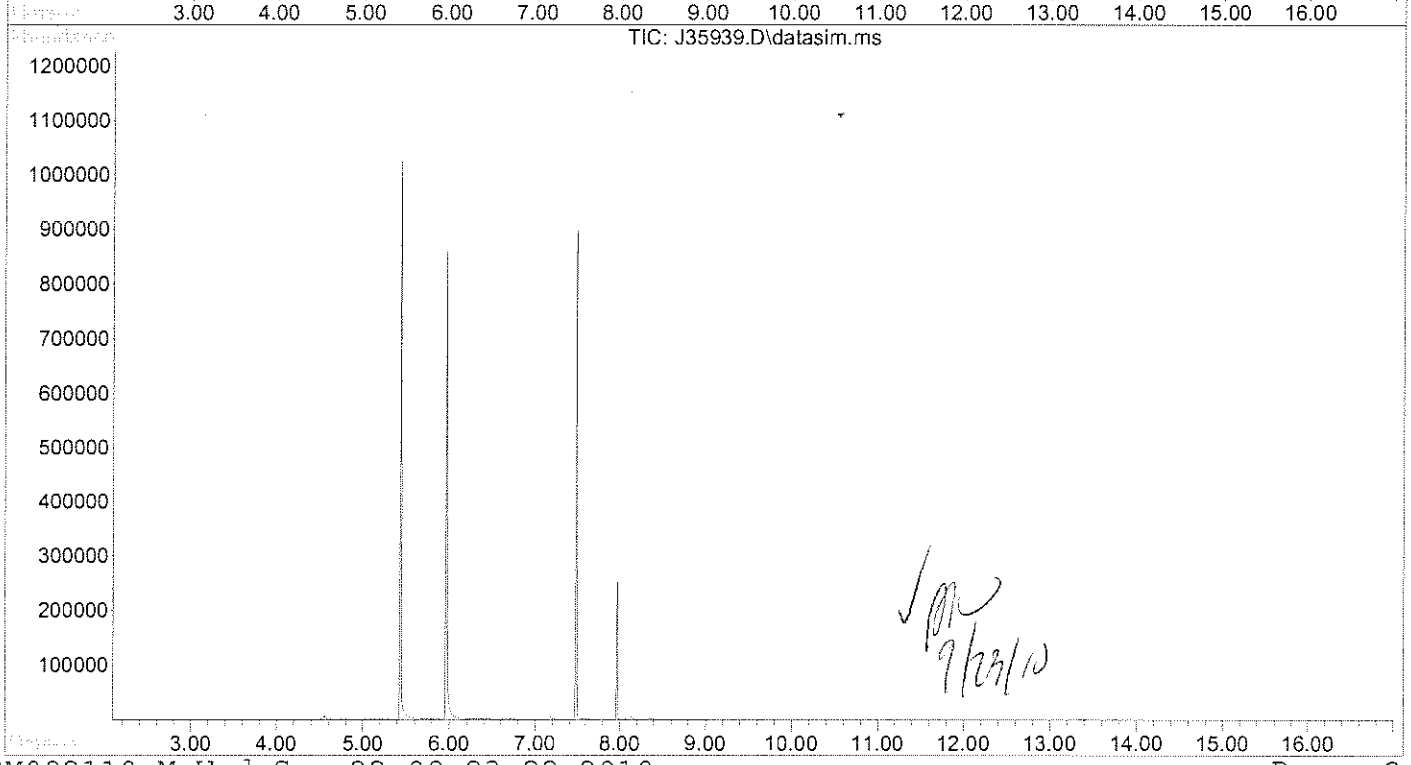
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35939.D
Acq On : 22 Sep 2010 7:55 am
Operator : AR/MG
Sample : 67833-2
Misc : SOIL,ARO
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 22 09:23:21 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

092210





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35939.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 7:55 am
Operator : AR/MG
Sample : 67833-2
Misc : SOIL,ARO
ALS Vial : 20 Sample Multiplier: 1

Q

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 09:37:19 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

S92210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	23199874	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	17047607	14.998 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	74.99%
10) S 2-Bromonaphthalene	5.964	14437417	16.442 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	82.21%
11) S o-terphenyl	7.481	20739683	14.633 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	73.16%
Target Compounds			
5) TZ Acenaphthene	5.964f	14437417	11.442 ug/ml
14) TZ Benzo[a]anthracene	9.599	89509	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.131	43673	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.594	16287	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.346	23351	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.425	140634	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.764	8785	<MDL ug/ml
22) XH c11-c22	12.565	33057908	28.902 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

23.671

9/23/10

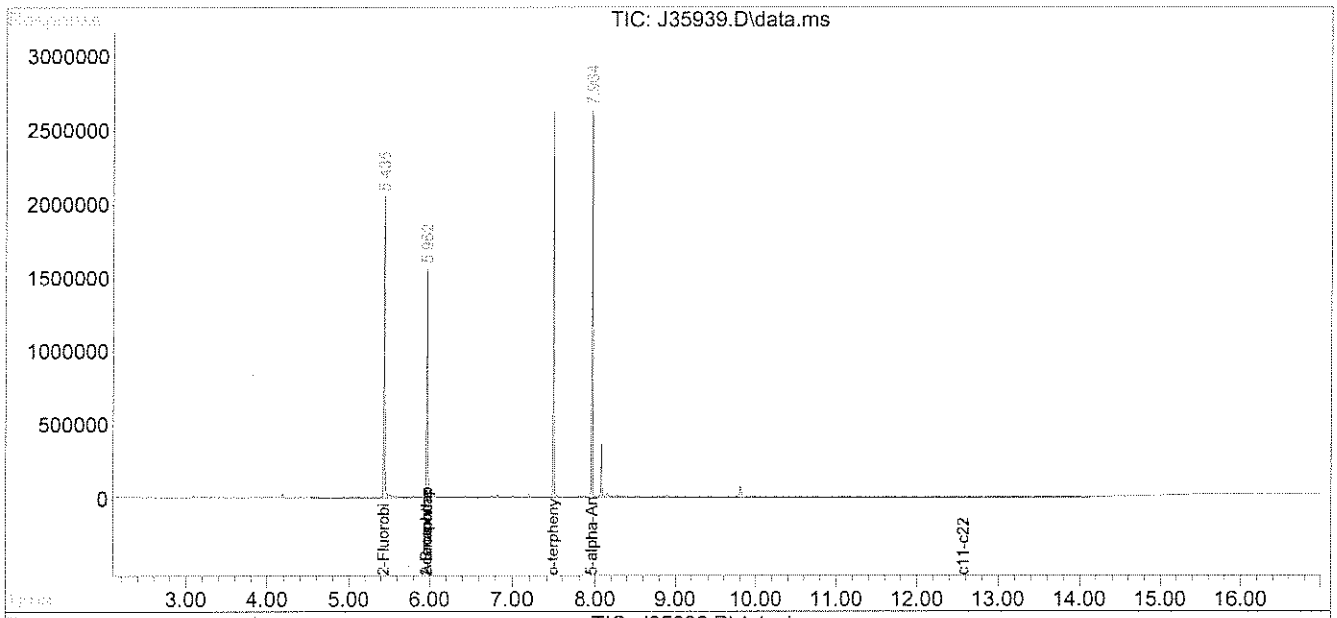
Quantitation Report (Not Reviewed)

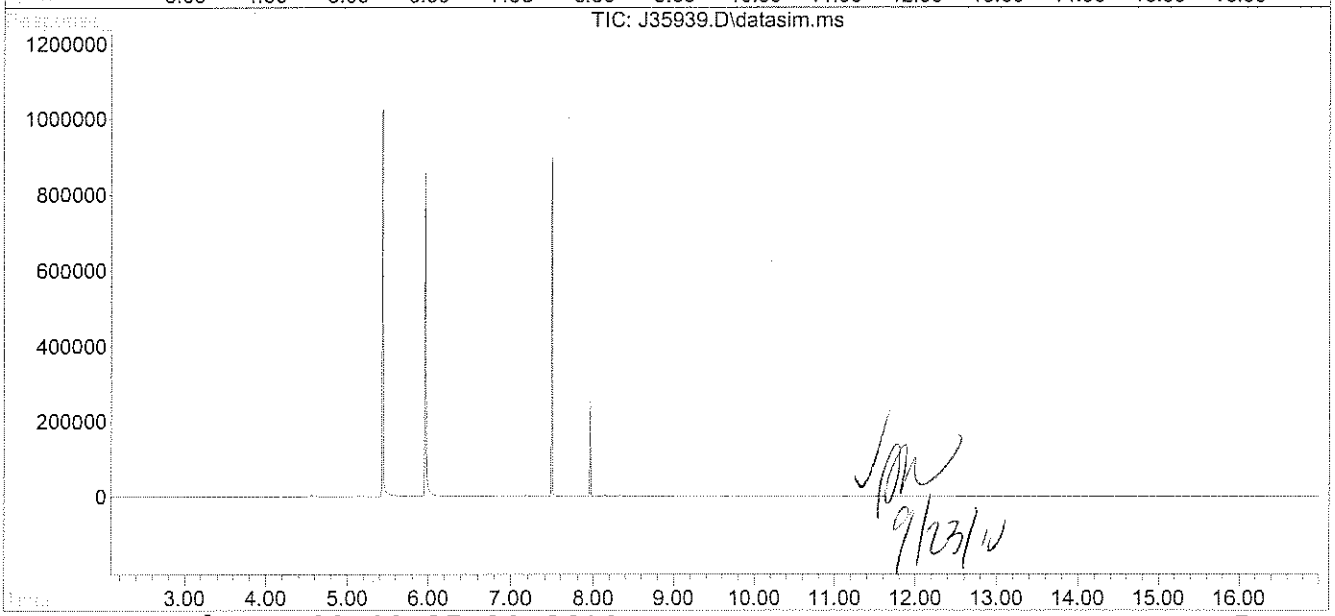
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35939.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 7:55 am
Operator : AR/MG
Sample : 67833-2
Misc : SOIL,ARO
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 09:37:19 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71752.D Vial: 19
Acq On : 21 Sep 2010 7:39 pm Operator: AR
Sample : 67833-2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5254012	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	3731109	11.572 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	57.86%
Target Compounds			
2) TZM C-9	4.00	5853	<MDL ug/ml
3) TZM C-10	5.01	12461	<MDL ug/ml
4) TZM C-12	6.51	36499	<MDL ug/ml
5) TZM C-14	7.67	75332	<MDL ug/ml
6) TZM C-16	8.69	32492	<MDL ug/ml
7) TZM C-18	9.60	19293	<MDL ug/ml
8) XH C9-C18	7.38	6899433	19.777 ug/ml
9) TZM C-19	10.02	28458	<MDL ug/ml
10) TZM C-20	10.45	49628	<MDL ug/ml
12) TZM C-22	11.42	88128	<MDL ug/ml
13) TZM C-24	12.73	13617	<MDL ug/ml
14) TZM C-26	14.16	56943	<MDL ug/ml
15) TZM C-28	15.70	38134	<MDL ug/ml
16) TZM C-30	17.19	51586	<MDL ug/ml
17) TZM C-36	21.26	105477	4.590 ug/ml
18) XH C19-C36	11.90	11685349	40.369 ug/ml

20.274/31.299

9/22/10

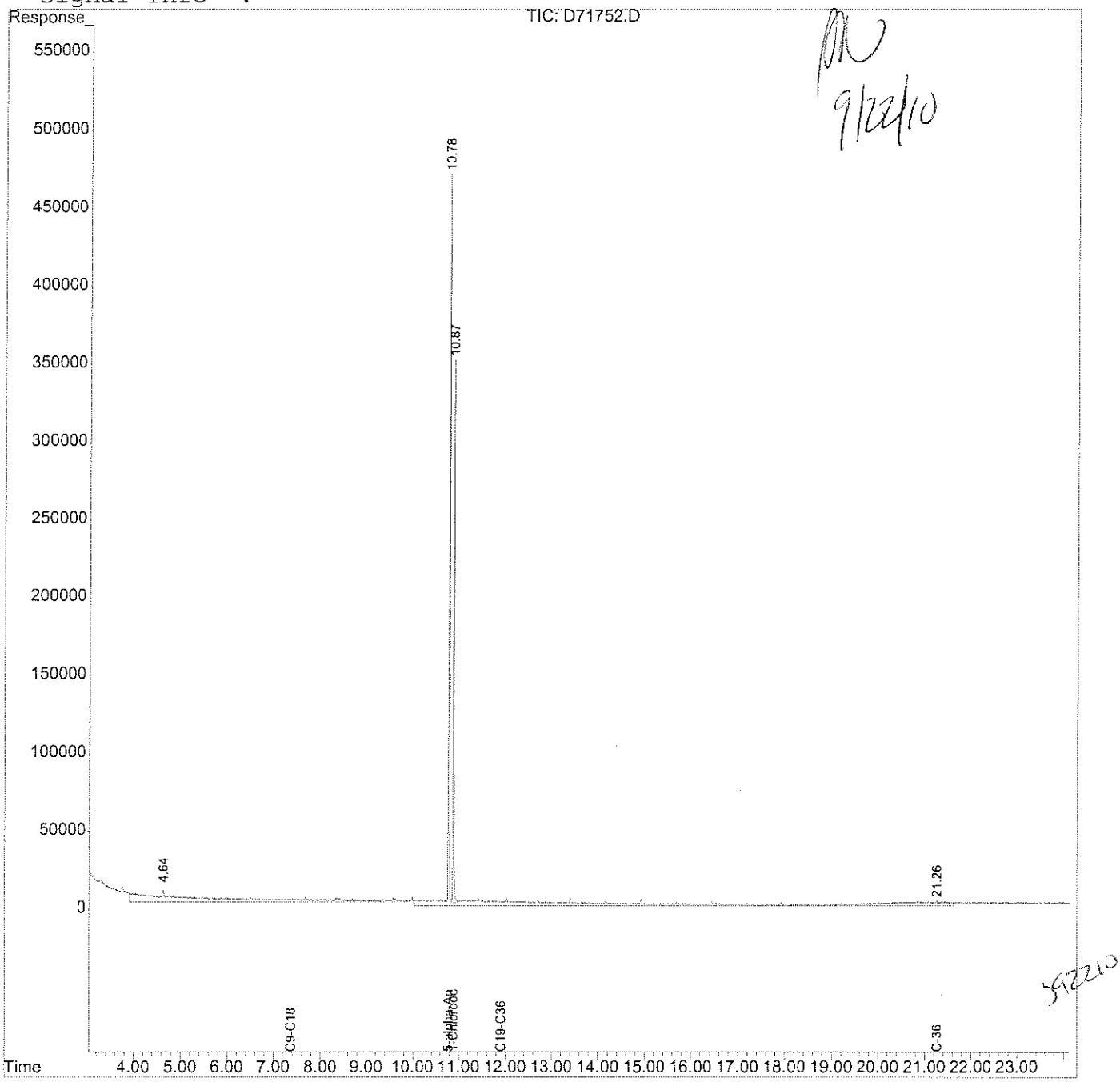
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71752.D Vial: 19
Acq On : 21 Sep 2010 7:39 pm Operator: AR
Sample : 67833-2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



9/22/10

592210

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-03

SAMPLE DATA

Lab Sample ID: 67833-3
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27600	µg/kg	U
Diesel PAH Analytes	Naphthalene	276	µg/kg	U
	2-Methylnaphthalene	276	µg/kg	U
	Phenanthrene	276	µg/kg	U
	Acenaphthene	276	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	276	µg/kg	U
	Fluorene	276	µg/kg	U
	Anthracene	276	µg/kg	U
	Fluoranthene	276	µg/kg	U
	Pyrene	276	µg/kg	U
	Benzo[a]anthracene	276	µg/kg	U
	Chrysene	276	µg/kg	U
	Benzo[b]fluoranthene	276	µg/kg	U
	Benzo[k]fluoranthene	276	µg/kg	U
	Benzo[a]pyrene	276	µg/kg	U
	Indeno[1,2,3-cd]pyrene	276	µg/kg	U
	Dibenzo[a,h]anthracene	276	µg/kg	U
	Benzo[g,h,i]perylene	276	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27600	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				59
Aromatic Surrogate % Recovery (O-Terphenyl)				71
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				82
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				76
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67833-3

Dilution Factors	ARO	1.035427		ALI 1.0354271
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics		U		27611
Naphthalene		U		276
2-Methylnaphthalene		U		276
Phenanthrene		U		276
Acenaphthene		U		276
Acenaphthylene		U		276
Fluorene		U		276
Anthracene		U		276
Fluoranthene		U		276
Pyrene		U		276
Benzo[a]anthracene		U		276
Chrysene		U		276
Benzo[b] fluoranthene		U		276
Benzo[k] fluoranthene		U		276
Benzo[a] pyrene		U		276
Indeno [1,2,3-cd] pyrene		U		276
Dibenz [a,h] anthracene		U		276
Benzo(g,h,i) perylene		U		276
C9-C18 Aliphatics		U		27611
C19-C36 Aliphatics		U		27611
C11-C22 Aromatics		U		27611
1-Chlorooctadecane (Ali)		59%	40-140%	PASS
o-terphenyl (Aro)		71%	40-140%	PASS
2-Fluorobiphenyl (Fraction)		82%	40-140%	PASS
2-Bromonaphthalene (Fraction)		76%	40-140%	PASS

592210

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35940.D	---------
Date Acquired	9/22/2010 8:18	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.23**	15.23
% Solid (divided by 100)	**0.9512**	0.9512
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	138.0569	138.0569

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-138	Quadratic
2-Methylnaphthalene	-1.00	-138	Quadratic
Acenaphthylene	-1.00	-138	Quadratic
Acenaphthene	-1.00	-138	Quadratic
Fluorene	-1.00	-138	Quadratic
Phenanthrene	-1.00	-138	Quadratic
Anthracene	-1.00	-138	Quadratic
Fluoranthene	-1.00	-138	Quadratic
Pyrene	-1.00	-138	Quadratic
Benzo[a]anthracene	0.01	1	Avg RF
Chrysene	0.01	1	Avg RF
Benzo[b] fluoranthene	0.00	1	Avg RF
Benzo[k] fluoranthene	0.01	1	Avg RF
Benzo[a] pyrene	0.00	1	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	1	Avg RF
Benzo(g,h,i) perylene	0.00	1	Avg RF
C11-C22	**35.214**	1594	
ARO Hexane Blank	**23.671**		
Adjusted C11-C22		2830	
ALIPHATICS			
C9-C18	**20.024**	-35	
C9-C18 Hexane Blank	**20.274**		
C19-C36	**36.129**	667	
C19-C36 Hexane Blank	**31.299**		
Surrogates			
1-Chlorooctadecane (Ali)	**11.777**	59%	
2-Fluorobiphenyl (Fraction)	16.34	82%	
2-Bromonaphthalene (Fraction)	15.27	76%	
o-terphenyl (Aro)	14.14	71%	

9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35940.D
Acq On : 22 Sep 2010 8:18 am
Operator : AR/MG
Sample : 67833-3
Misc : SOIL,ARO
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 22 09:23:23 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

592210

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	90552 ✓	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	559577	16.34 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 81.70%		
10) 2-Bromonaphthalene	5.962	206	239231	15.27 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 76.35%		
11) o-terphenyl	7.480	230	387923	14.14 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 70.70%		
Target Compounds					Qvalue
2) Naphthalene	4.555	128	4222	~~Below Cal~~	~~94~~
3) 2-Methylnaphthalene	5.131	141	331	Below Cal #	75
4) Acenaphthylene	5.855	152	223	Below Cal #	90
5) Acenaphthene	5.991	154	167	Below Cal #	60
6) Fluorene	6.413	166	130	Below Cal #	1
7) Phenanthrene	7.180	178	1059	Below Cal #	82
8) Anthracene	7.218	178	310	Below Cal #	75
12) Fluoranthene	8.131	202	1669	Below Cal #	64
13) Pyrene	8.332	202	1225	Below Cal #	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

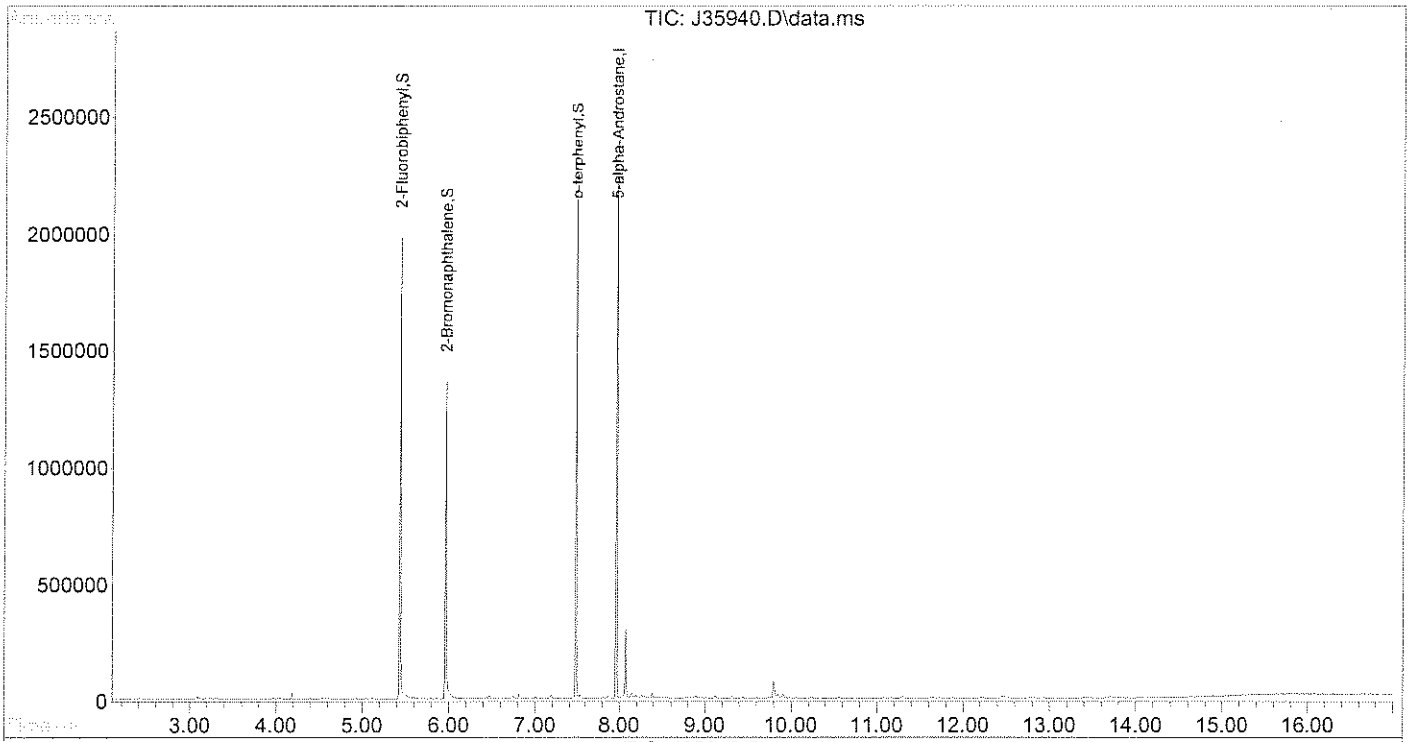
9/23/10

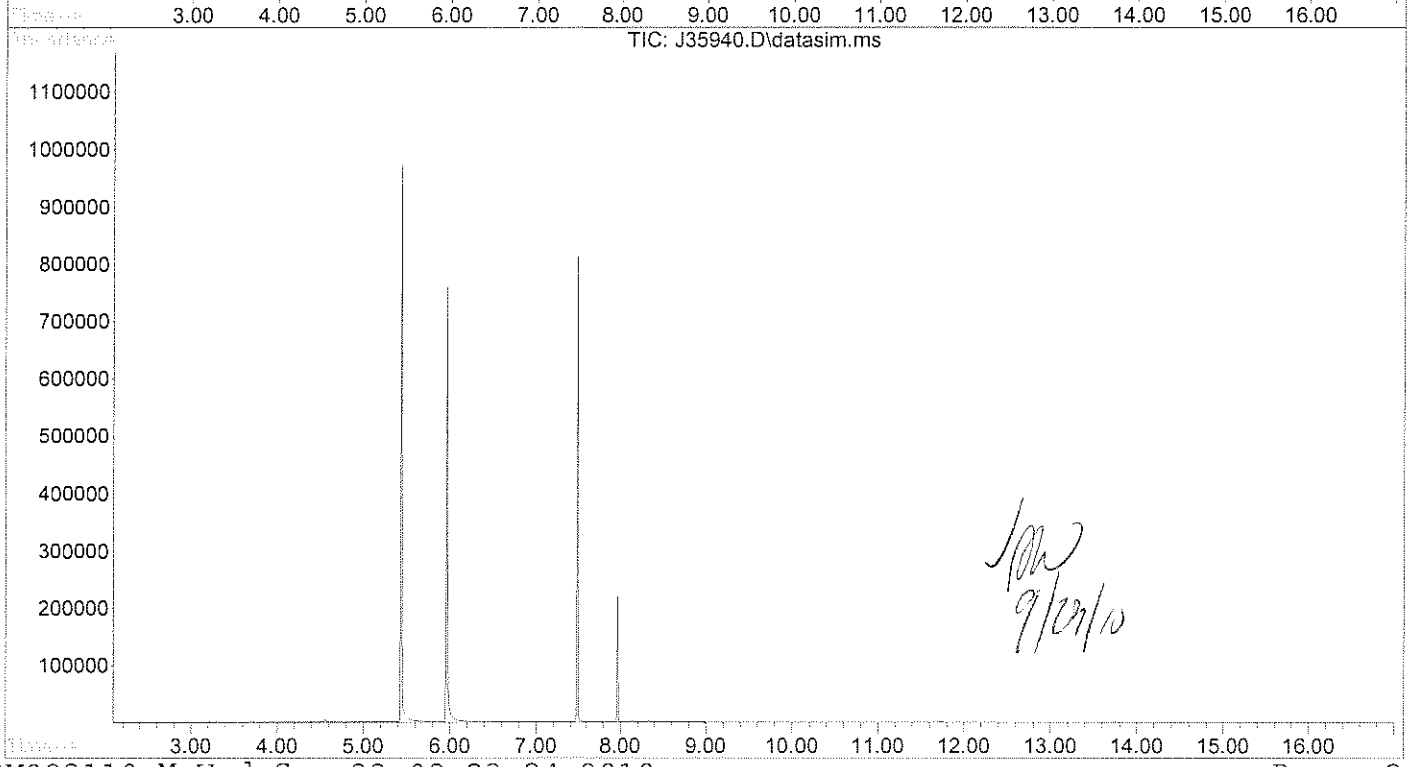
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35940.D
Acq On : 22 Sep 2010 8:18 am
Operator : AR/MG
Sample : 67833-3
Misc : SOIL,ARO
ALS Vial : 21 Sample Multiplier: 1

J92210

Quant Time: Sep 22 09:23:23 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35940.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:18 am
Operator : AR/MG
Sample : 67833-3
Misc : SOIL,ARO
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 09:37:21 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

592210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.965	20145268	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.436	16311989	16.712 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	83.56%
10) S 2-Bromonaphthalene	5.964	13003495	17.054 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.27%
11) S o-terphenyl	7.480	18181405	14.796 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	73.98%
Target Compounds			
5) TZ Acenaphthene	5.964f	13003495	11.930 ug/ml
14) TZ Benzo[a]anthracene	9.600	169394	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.085	157661	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.581	6964	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.290	22448	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.420	170137	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.802	86011	<MDL ug/ml
22) XH c11-c22	12.565	34973849	35.214 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

23.671

9/23/10

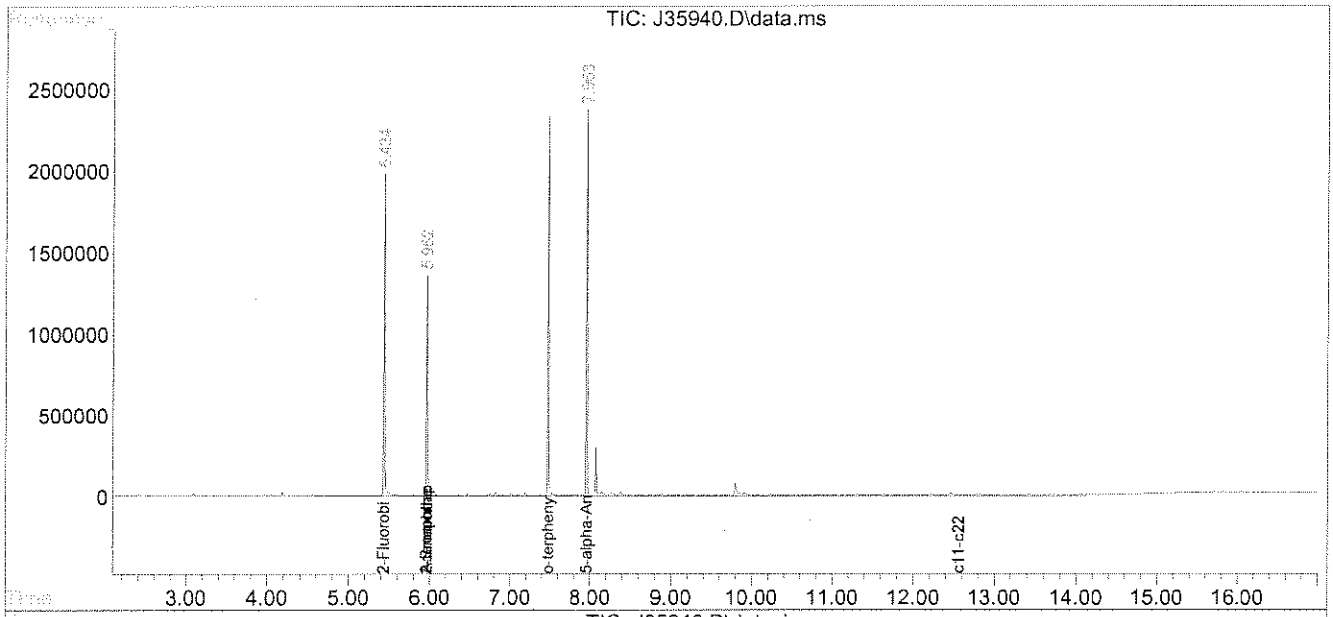
Quantitation Report (Not Reviewed)

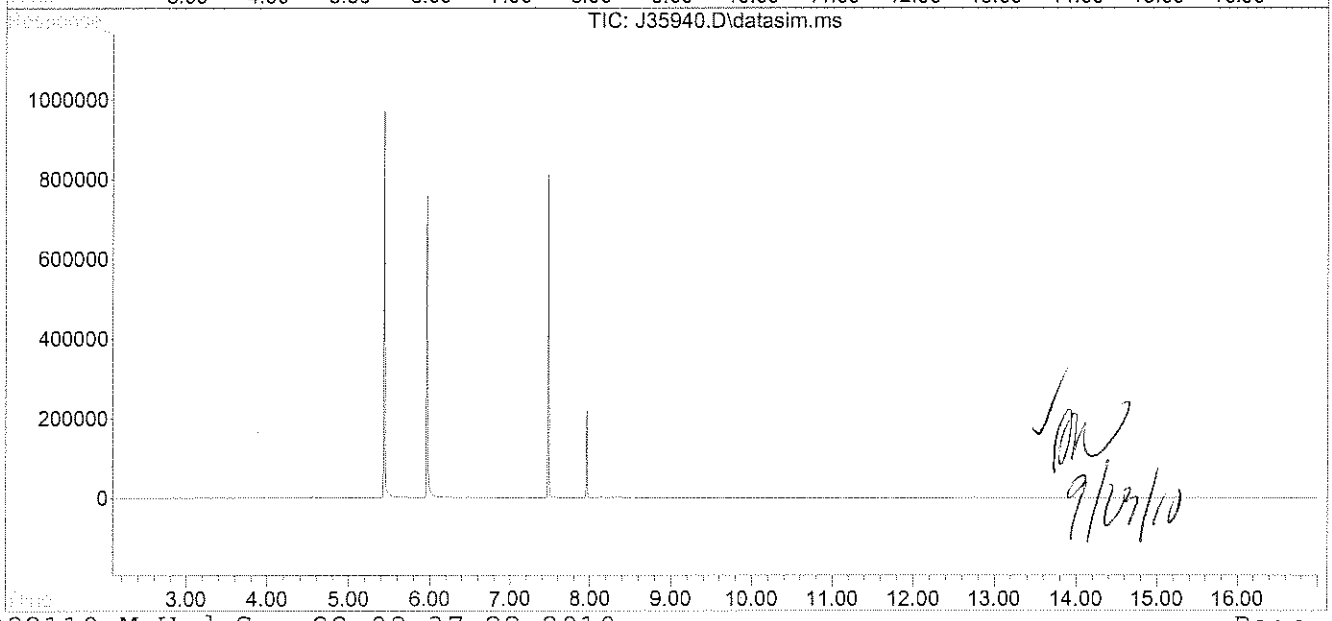
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35940.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:18 am
Operator : AR/MG
Sample : 67833-3
Misc : SOIL,ARO
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 09:37:21 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

392210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71753.D Vial: 20
Acq On : 21 Sep 2010 8:08 pm Operator: AR
Sample : 67833-3 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5226782	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	3777409	11.777 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	58.88%
Target Compounds			
2) TZM C-9	4.02	29401	<MDL ug/ml
3) TZM C-10	5.01	13865	<MDL ug/ml
4) TZM C-12	6.52	38969	<MDL ug/ml
5) TZM C-14	7.67	57582	<MDL ug/ml
6) TZM C-16	8.69	33390	<MDL ug/ml
7) TZM C-18	9.60	60495	<MDL ug/ml
8) XH C9-C18	7.38	6949587	20.024 ug/ml
9) TZM C-19	10.02	39409	<MDL ug/ml
10) TZM C-20	10.45	31596	<MDL ug/ml
12) TZM C-22	11.42	81340	<MDL ug/ml
13) TZM C-24	12.69	57370	<MDL ug/ml
14) TZM C-26	14.16	41615	<MDL ug/ml
15) TZM C-28	15.69	44078	<MDL ug/ml
16) TZM C-30	17.24	12924	<MDL ug/ml
17) TZM C-36	21.24	51049	4.311 ug/ml
18) XH C19-C36	11.90	10403928	36.129 ug/ml

20.274/31.299

592210

(f)=RT Delta > 1/2 Window (m)=manual int.

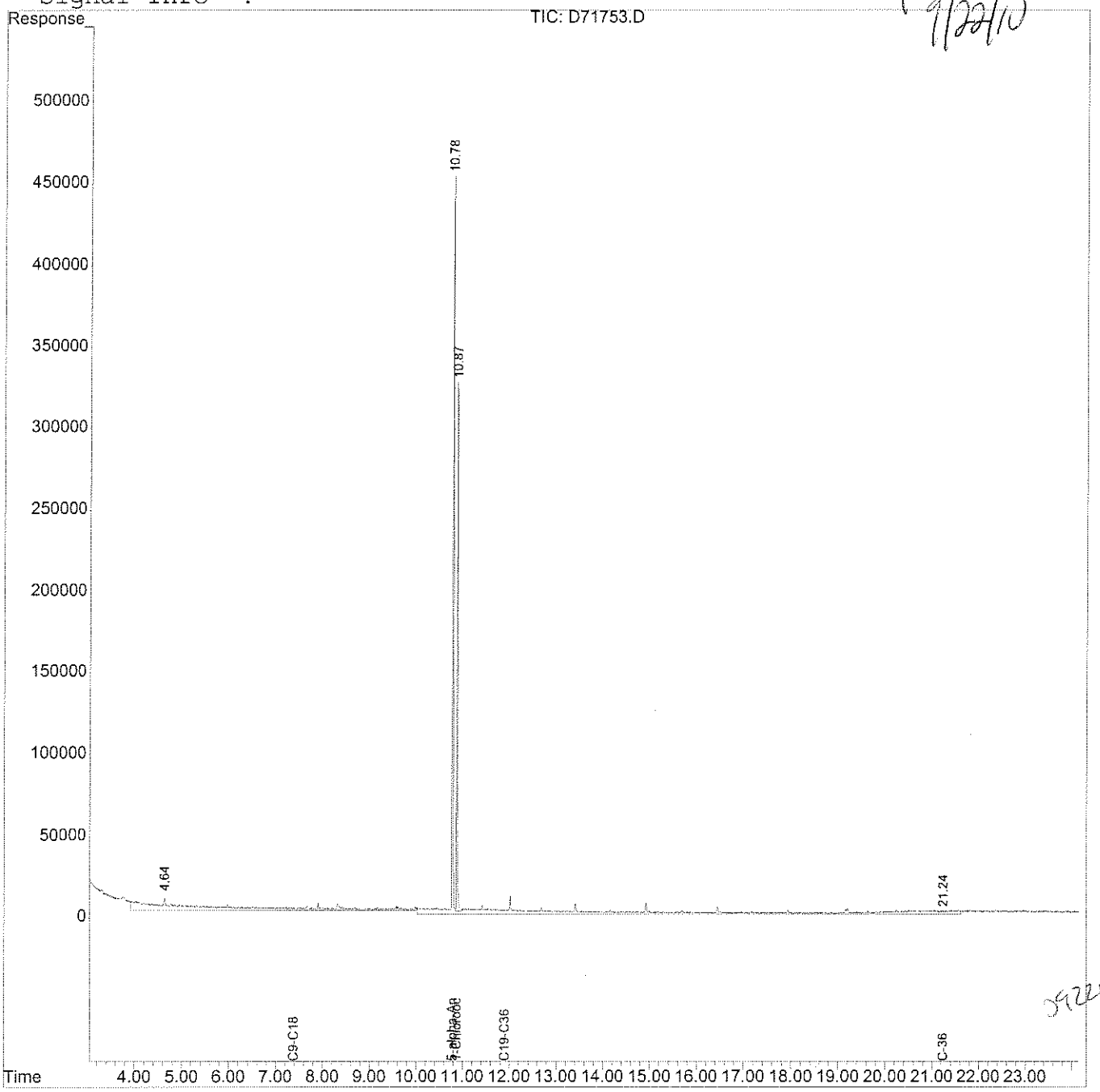
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71753.D Vial: 20
Acq On : 21 Sep 2010 8:08 pm Operator: AR
Sample : 67833-3 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV 9/22/10



092210

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-04

SAMPLE DATA

Lab Sample ID: 67833-4
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26500	µg/kg	U
Diesel PAH Analytes	Naphthalene	265	µg/kg	U
	2-Methylnaphthalene	265	µg/kg	U
	Phenanthrene	265	µg/kg	U
	Acenaphthene	265	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	265	µg/kg	U
	Fluorene	265	µg/kg	U
	Anthracene	265	µg/kg	U
	Fluoranthene	265	µg/kg	U
	Pyrene	265	µg/kg	U
	Benzo[a]anthracene	265	µg/kg	U
	Chrysene	265	µg/kg	U
	Benzo[b]fluoranthene	265	µg/kg	U
	Benzo[k]fluoranthene	265	µg/kg	U
	Benzo[a]pyrene	265	µg/kg	U
	Indeno[1,2,3-cd]pyrene	265	µg/kg	U
	Dibenzo[a,h]anthracene	265	µg/kg	U
	Benzo[g,h,i]perylene	265	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26500	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26500	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26500	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				77
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				83
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				70
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mullell

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67833-4

J92210

Dilution Factors	ARO	0.991066	ALI	0.9910661

	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		26428
Naphthalene	U		264
2-Methylnaphthalene	U		264
Phenanthrene	U		264
Acenaphthene	U		264
Acenaphthylene	U		264
Fluorene	U		264
Anthracene	U		264
Fluoranthene	U		264
Pyrene	U		264
Benzo[a]anthracene	U		264
Chrysene	U		264
Benzo[b] fluoranthene	U		264
Benzo[k] fluoranthene	U		264
Benzo[a] pyrene	U		264
Indeno [1,2,3-cd] pyrene	U		264
Dibenz [a,h] anthracene	U		264
Benzo(g,h,i) perylene	U		264
C9-C18 Aliphatics	U		26428
C19-C36 Aliphatics	U		26428
C11-C22 Aromatics	U		26428
1-Chlorooctadecane (Ali)	64%	40-140%	PASS
o-terphenyl (Aro)	77%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	83%	40-140%	PASS
2-Bromonaphthalene (Fraction)	70%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35941.D	---------
Date Acquired	9/22/2010 8:41	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	15.72	15.72
% Solid (divided by 100)	0.9628	0.9628
Final Volume (mL)	2.0	2.0
Dilution (1:X)	1	1
Calculation Factor	132.1422	132.1422

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-132	Quadratic
2-Methylnaphthalene	-1.00	-132	Quadratic
Acenaphthylene	-1.00	-132	Quadratic
Acenaphthene	-1.00	-132	Quadratic
Fluorene	-1.00	-132	Quadratic
Phenanthrene	-1.00	-132	Quadratic
Anthracene	-1.00	-132	Quadratic
Fluoranthene	-1.00	-132	Quadratic
Pyrene	-1.00	-132	Quadratic
Benzo[a]anthracene	0.00	0	Avg RF
Chrysene	0.00	0	Avg RF
Benzo[b] fluoranthene	0.00	0	Avg RF
Benzo[k] fluoranthene	0.00	0	Avg RF
Benzo[a] pyrene	0.00	0	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.00	0	Avg RF
C11-C22	26.992	439	
ARO Hexane Blank	23.671		
Adjusted C11-C22		1626	
ALIPHATICS			
C9-C18	19.409	-114	
C9-C18 Hexane Blank	20.274		
C19-C36	33.723	320	
C19-C36 Hexane Blank	31.299		

Surrogates			
1-Chlorooctadecane (Ali)	12.775	64%	
2-Fluorobiphenyl (Fraction)	16.52	83%	
2-Bromonaphthalene (Fraction)	14.00	70%	
o-terphenyl (Aro)	15.40	77%	

9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35941.D
Acq On : 22 Sep 2010 8:41 am
Operator : AR/MG
Sample : 67833-4
Misc : SOIL,ARO
ALS Vial : 22 Sample Multiplier: 1

592210

Quant Time: Sep 22 09:23:25 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.961	95	99199 ✓	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	619924	16.52 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 82.60% 83		
10) 2-Bromonaphthalene	5.962	206	240305	14.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 70.00% 70		
11) o-terphenyl	7.479	230	462684	15.40 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 77.00% 77		

Target Compounds					Qvalue
2) Naphthalene	4.562	128	2071	~~Below Cal~~	~~#~~ 74
3) 2-Methylnaphthalene	5.131	141	327	Below Cal	# 61
4) Acenaphthylene	5.855	152	268	Below Cal	# 71
5) Acenaphthene	5.991	154	182	Below Cal	# 84
6) Fluorene	6.413	166	209	Below Cal	# 21
7) Phenanthrene	7.184	178	464	Below Cal	# 55
8) Anthracene	7.221	178	220	Below Cal	# 76
12) Fluoranthene	8.135	202	488	Below Cal	# 44
13) Pyrene	8.327	202	893	~~Below Cal~~	~~#~~ 83

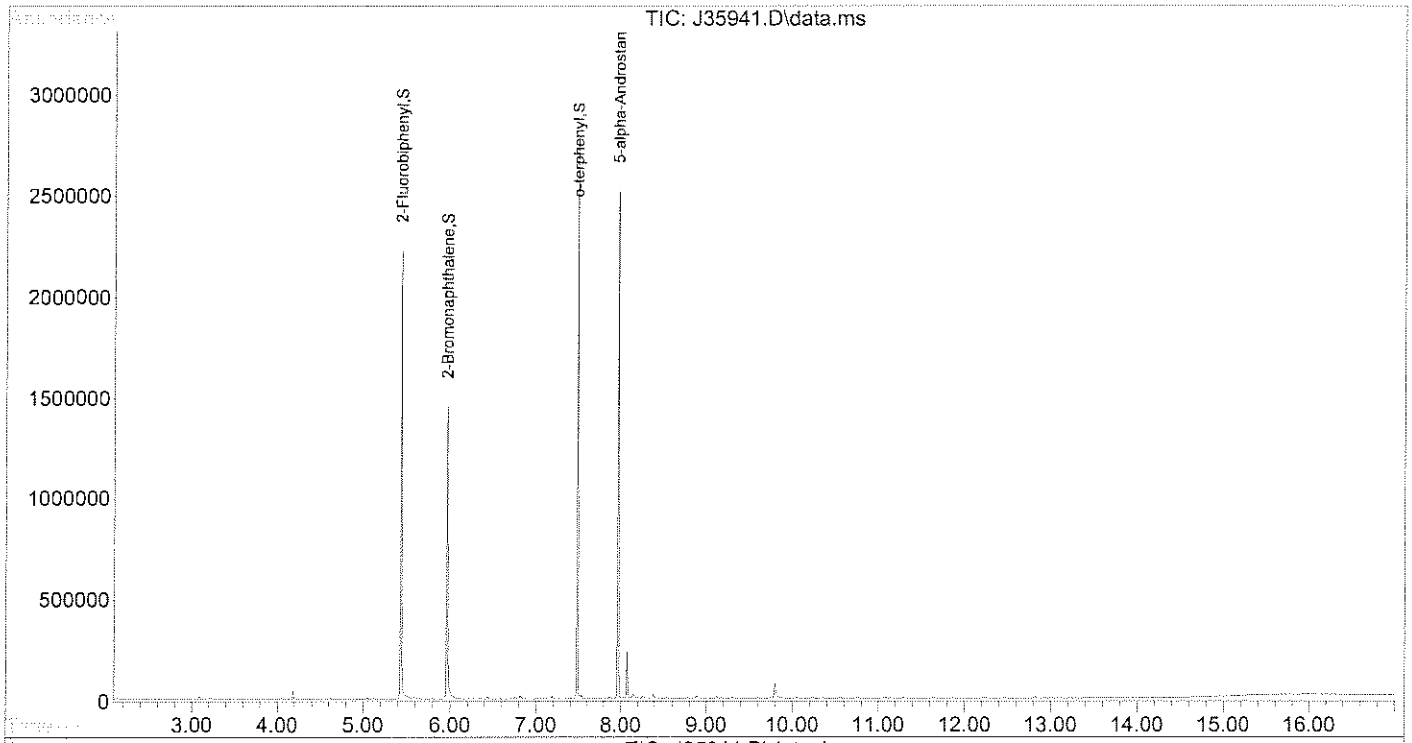
(#) = qualifier out of range (m) = manual integration (+) = signals summed

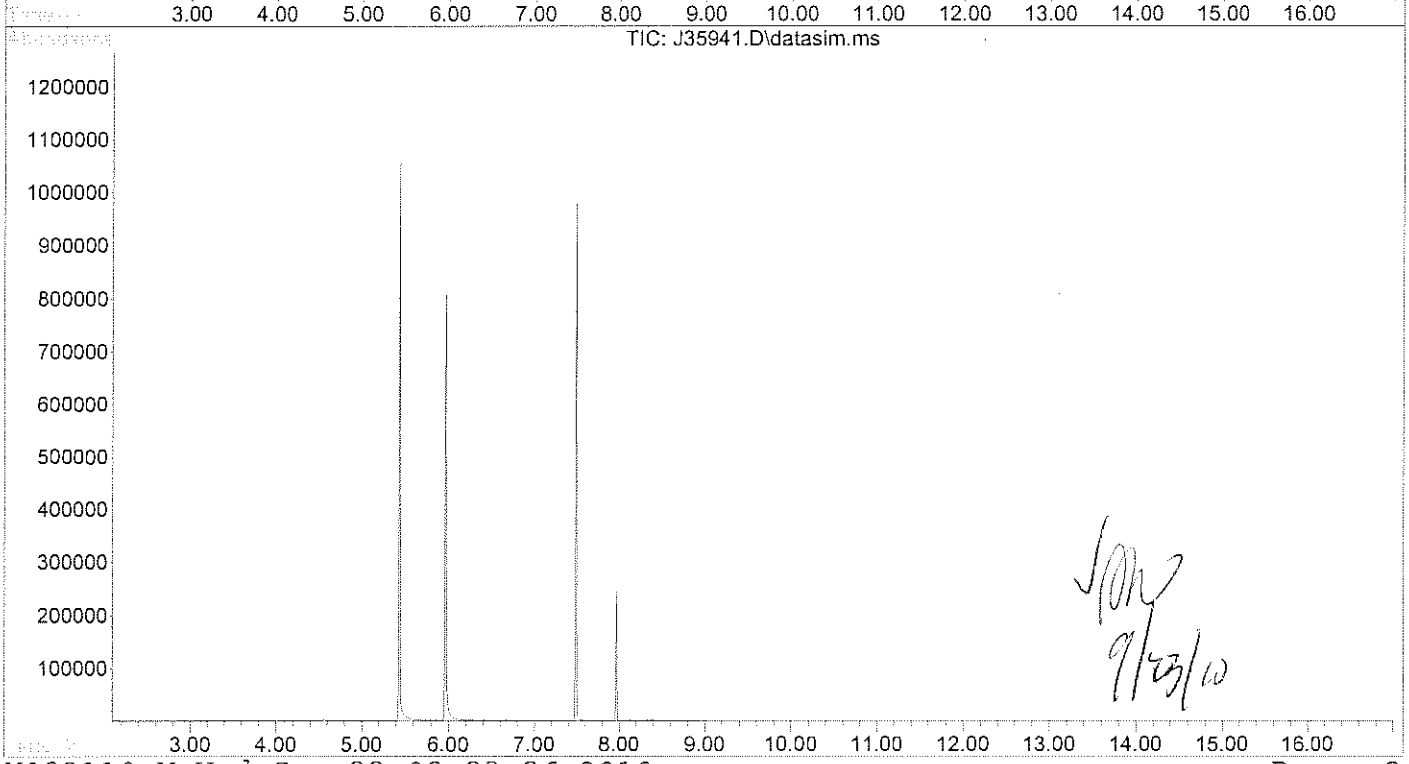
9/07/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35941.D
Acq On : 22 Sep 2010 8:41 am
Operator : AR/MG
Sample : 67833-4
Misc : SOIL,ARO
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 22 09:23:25 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35941.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:41 am
Operator : AR/MG
Sample : 67833-4
Misc : SOIL,ARO
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 09:37:23 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.965	22235549	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.436	17836244	16.537 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	82.69%
10) S 2-Bromonaphthalene	5.964	12963338	15.403 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	77.02%
11) S o-terphenyl	7.480	21330592	15.894 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.47%
Target Compounds			
5) TZ Acenaphthene	5.964f	12963338	10.617 ug/ml
14) TZ Benzo[a]anthracene	9.595	128164	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.111	37576	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.605	29209	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.357	16013	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.421	98958	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.756	24700	<MDL ug/ml
22) XH c11-c22	12.565	29589826	26.992 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

23.671

9/23/10

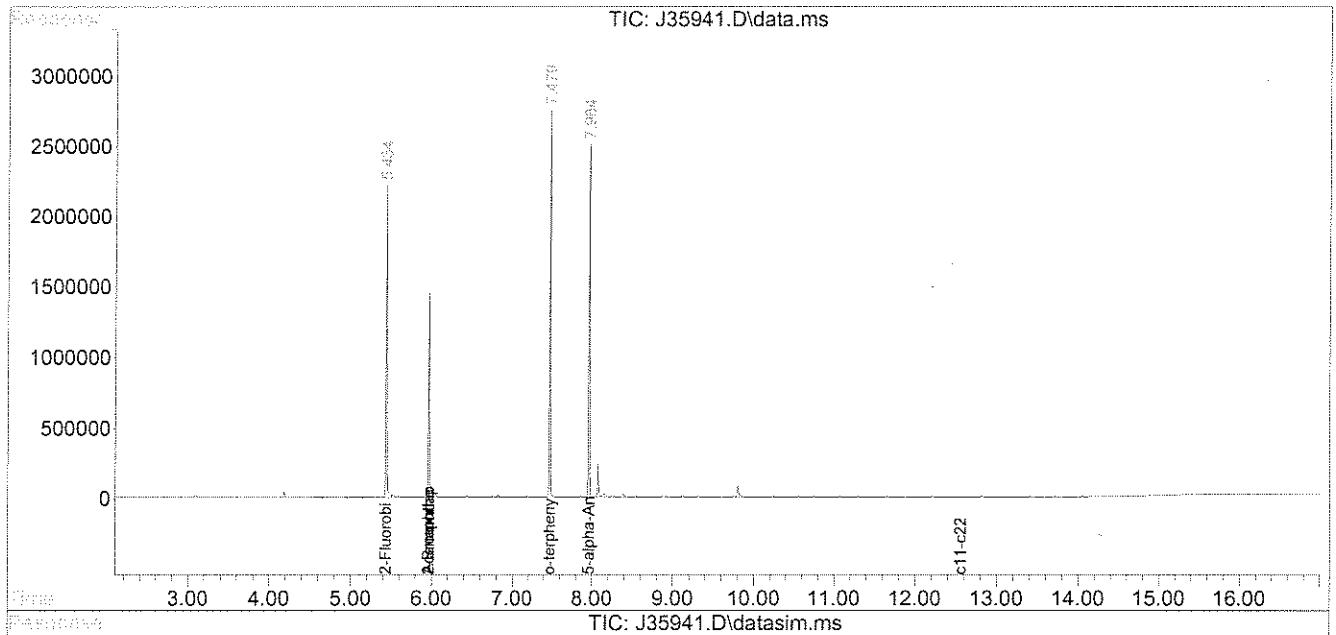
Quantitation Report (Not Reviewed)

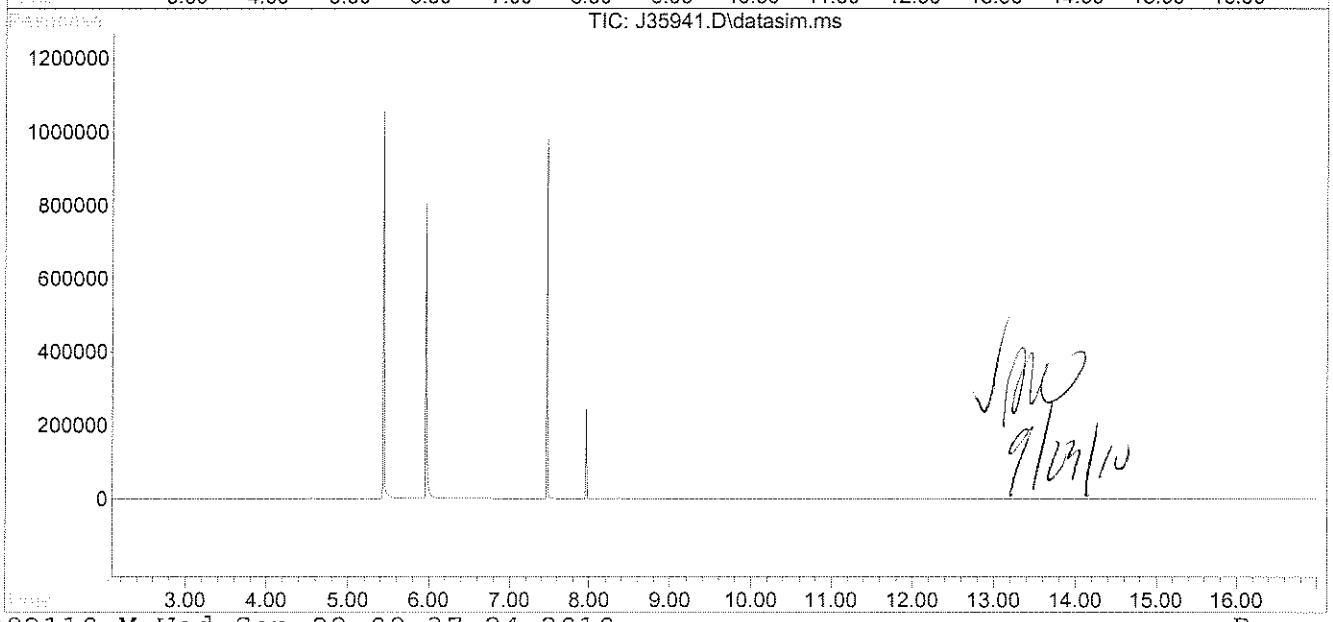
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35941.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:41 am
Operator : AR/MG
Sample : 67833-4
Misc : SOIL,ARO
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 09:37:23 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71754.D Vial: 21
Acq On : 21 Sep 2010 8:38 pm Operator: AR
Sample : 67833-4 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PK 9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5405373	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	4237627	12.775 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.88%
Target Compounds			
2) TZM C-9	3.99	30117	<MDL ug/ml
3) TZM C-10	4.99	6935	<MDL ug/ml
4) TZM C-12	6.50	6716	<MDL ug/ml
5) TZM C-14	7.68	61698	<MDL ug/ml
6) TZM C-16	8.69	61958	<MDL ug/ml
7) TZM C-18	9.60	21334	<MDL ug/ml
8) XH C9-C18	7.38	6966149	19.409 ug/ml
9) TZM C-19	10.03	26601	<MDL ug/ml
10) TZM C-20	10.45	56777	<MDL ug/ml
12) TZM C-22	11.42	70732	<MDL ug/ml
13) TZM C-24	12.69	57396	<MDL ug/ml
14) TZM C-26	14.16	54701	<MDL ug/ml
15) TZM C-28	15.73	12020	<MDL ug/ml
16) TZM C-30	17.21	20422	<MDL ug/ml
17) TZM C-36	21.25	8685	4.090 ug/ml
18) XH C19-C36	11.90	10042931	33.723 ug/ml

20.274/31.299

S92210

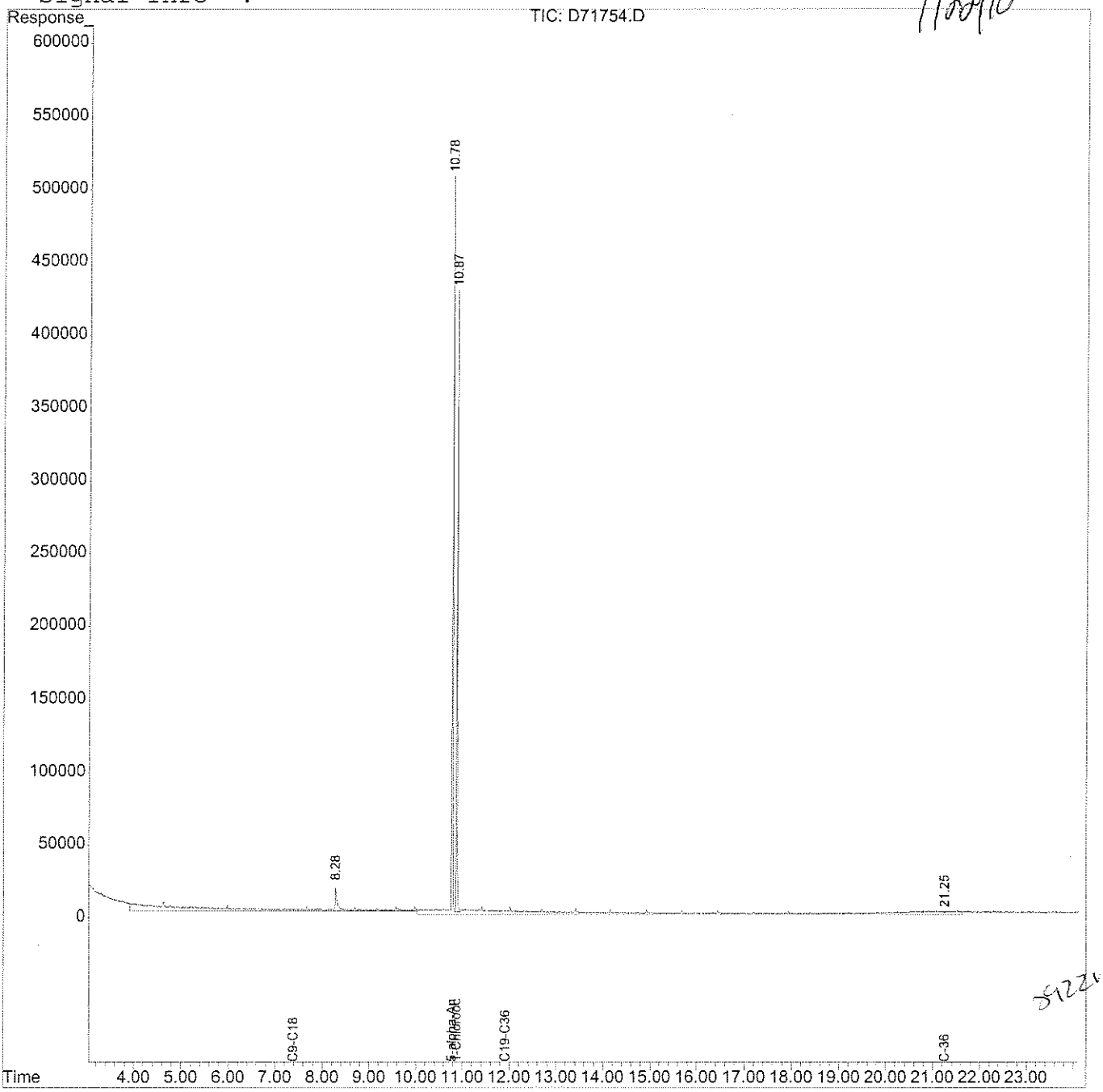
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71754.D Vial: 21
Acq On : 21 Sep 2010 8:38 pm Operator: AR
Sample : 67833-4 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-05

SAMPLE DATA

Lab Sample ID: 67833-5
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29700	µg/kg	U
Diesel PAH Analytes	Naphthalene	297	µg/kg	U
	2-Methylnaphthalene	297	µg/kg	U
	Phenanthrene	297	µg/kg	U
	Acenaphthene	297	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	297	µg/kg	U
	Fluorene	297	µg/kg	U
	Anthracene	297	µg/kg	U
	Fluoranthene	297	µg/kg	U
	Pyrene	297	µg/kg	U
	Benzo[a]anthracene	297	µg/kg	U
	Chrysene	297	µg/kg	U
	Benzo[b]fluoranthene	297	µg/kg	U
	Benzo[k]fluoranthene	297	µg/kg	U
	Benzo[a]pyrene	297	µg/kg	U
	Indeno[1,2,3-cd]pyrene	297	µg/kg	U
	Dibenzo[a,h]anthracene	297	µg/kg	U
	Benzo[g,h,i]perylene	297	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		29700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				49
Aromatic Surrogate % Recovery (O-Terphenyl)				67
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				80
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				74
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mitchell

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67833-5

Dilution Factors	ARO 1.110683		ALI 1.1106833
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		29618
Naphthalene	U		296
2-Methylnaphthalene	U		296
Phenanthrene	U		296
Acenaphthene	U		296
Acenaphthylene	U		296
Fluorene	U		296
Anthracene	U		296
Fluoranthene	U		296
Pyrene	U		296
Benzo[a]anthracene	U		296
Chrysene	U		296
Benzo[b] fluoranthene	U		296
Benzo[k] fluoranthene	U		296
Benzo[a] pyrene	U		296
Indeno [1,2,3-cd] pyrene	U		296
Dibenz [a,h] anthracene	U		296
Benzo(g,h,i) perylene	U		296
C9-C18 Aliphatics	U		29618
C19-C36 Aliphatics	U		29618
C11-C22 Aromatics	U		29618
1-Chlorooctadecane (Ali)	49%	40-140%	PASS
o-terphenyl (Aro)	67%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	80%	40-140%	PASS
2-Bromonaphthalene (Fraction)	74%	40-140%	PASS

J92210

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35942.D	---------
Date Acquired	9/22/2010 9:03	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.20**	15.20
% Solid (divided by 100)	**0.8885**	0.8885
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	148.0911	148.0911

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-148	Quadratic
2-Methylnaphthalene	-1.00	-148	Quadratic
Acenaphthylene	-1.00	-148	Quadratic
Acenaphthene	-1.00	-148	Quadratic
Fluorene	-1.00	-148	Quadratic
Phenanthrene	-1.00	-148	Quadratic
Anthracene	-1.00	-148	Quadratic
Fluoranthene	-1.00	-148	Quadratic
Pyrene	-1.00	-148	Quadratic
Benzo[a]anthracene	0.01	2	Avg RF
Chrysene	0.02	2	Avg RF
Benzo[b] fluoranthene	0.02	2	Avg RF
Benzo[k] fluoranthene	0.00	1	Avg RF
Benzo[a] pyrene	0.02	3	Avg RF
Indeno [1,2,3-cd] pyrene	0.02	3	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.02	3	Avg RF
C11-C22	**30.346**	989	
ARO Hexane Blank	**23.671**		
Adjusted C11-C22		2305	
ALIPHATICS			
C9-C18	**21.170**	133	
C9-C18 Hexane Blank	**20.274**		
C19-C36	**34.310**	446	
C19-C36 Hexane Blank	**31.299**		
Surrogates			
1-Chlorooctadecane (Ali)	**9.760**	49%	
2-Fluorobiphenyl (Fraction)	15.91	80%	
2-Bromonaphthalene (Fraction)	14.79	74%	
o-terphenyl (Aro)	13.41	67%	

9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35942.D
Acq On : 22 Sep 2010 9:03 am
Operator : AR/MG
Sample : 67833-5
Misc : SOIL,ARO
ALS Vial : 23 Sample Multiplier: 1

Q

Quant Time: Sep 22 09:23:27 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

092210

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	95009	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	571935	15.91 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 79.55%		
10) 2-Bromonaphthalene	5.961	206	243091	14.79 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 73.95%		
11) o-terphenyl	7.480	230	385807	13.41 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 67.05%		

Target Compounds					Qvalue
2) Naphthalene	4.555	128	3624	~~Below Cal~~	~~# 94~~
3) 2-Methylnaphthalene	5.131	141	710	Below Cal	# 86
4) Acenaphthylene	5.855	152	784	Below Cal	# 76
5) Acenaphthene	5.991	154	253	Below Cal	# 43
6) Fluorene	6.412	166	607	Below Cal	# 96
7) Phenanthrene	7.185	178	1230	Below Cal	# 89
8) Anthracene	7.227	178	625	Below Cal	# 85
12) Fluoranthene	8.136	202	2548	Below Cal	# 73
13) Pyrene	8.328	202	2338	~~Below Cal~~	~~# 93~~

(#) = qualifier out of range (m) = manual integration (+) = signals summed

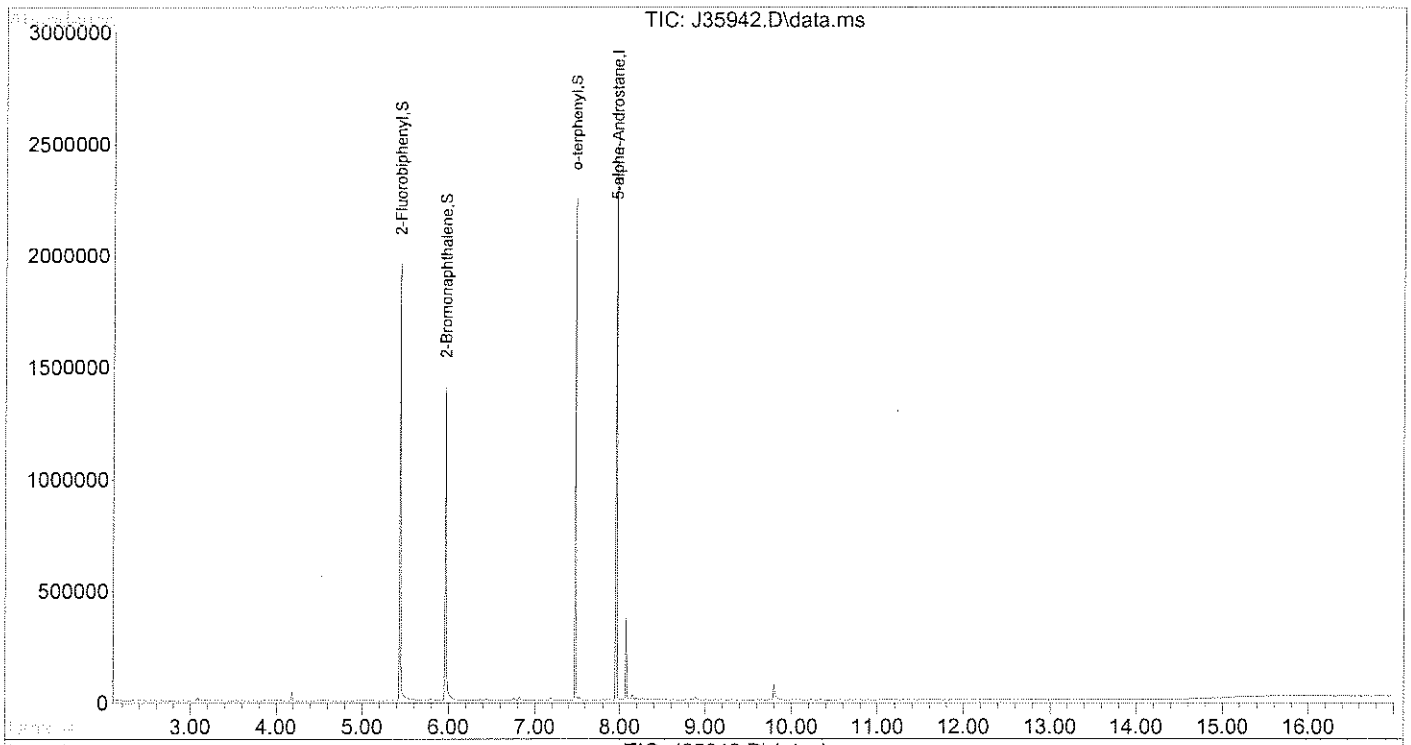
9/23/10

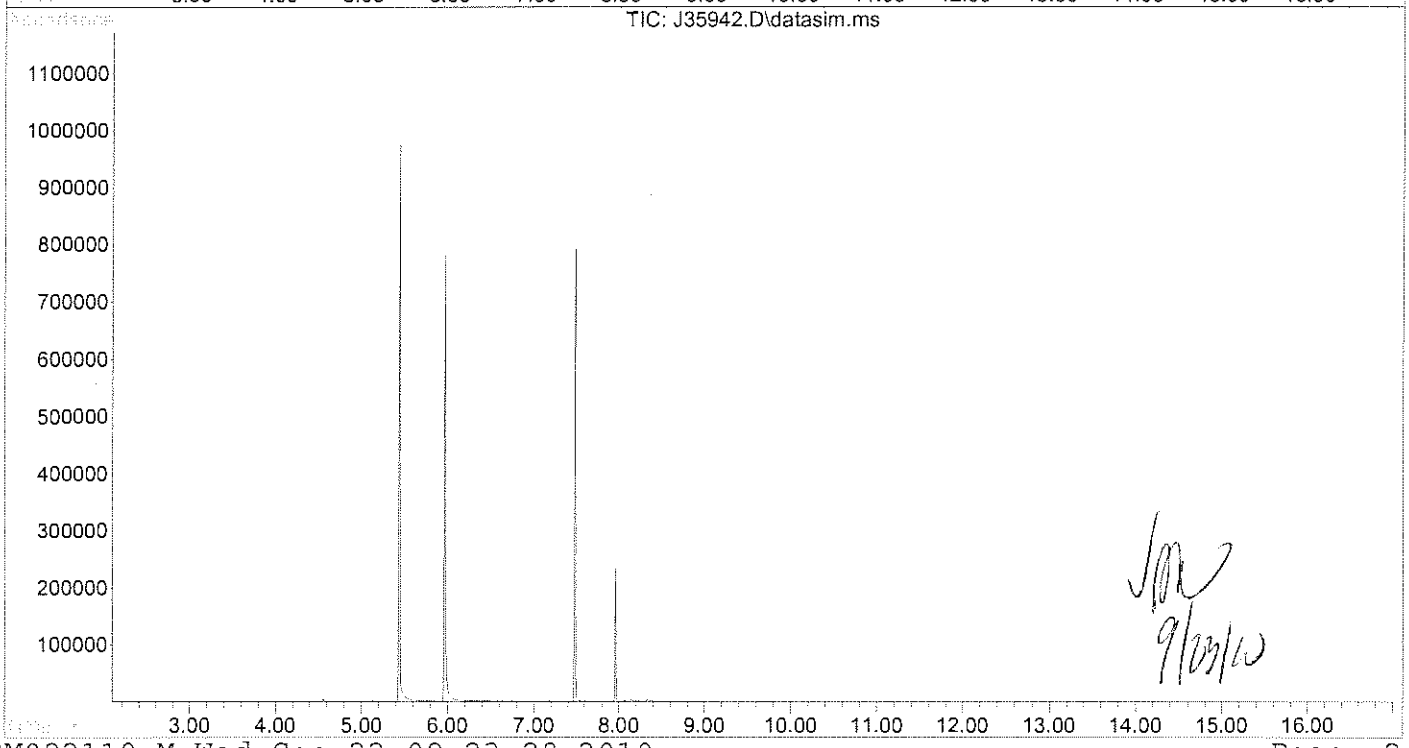
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35942.D
Acq On : 22 Sep 2010 9:03 am
Operator : AR/MG
Sample : 67833-5
Misc : SOIL,ARO
ALS Vial : 23 Sample Multiplier: 1

592210

Quant Time: Sep 22 09:23:27 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35942.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:03 am
Operator : AR/MG
Sample : 67833-5
Misc : SOIL,ARO
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 09:37:25 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.965	21044569	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	16523157	16.146 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	80.73%
10) S 2-Bromonaphthalene	5.964	13120394	16.472 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	82.36%
11) S o-terphenyl	7.480	18069232	13.963 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	69.81%
Target Compounds			
5) TZ Acenaphthene	5.964f	13120394	11.466 ug/ml
14) TZ Benzo[a]anthracene	9.610	56044	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.105	78264	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.566	6752	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.342	23511	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.420	137335	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.754	16434	<MDL ug/ml
22) XH c11-c22	12.565	31484289	30.346 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

23.671

JOH 9/23/10

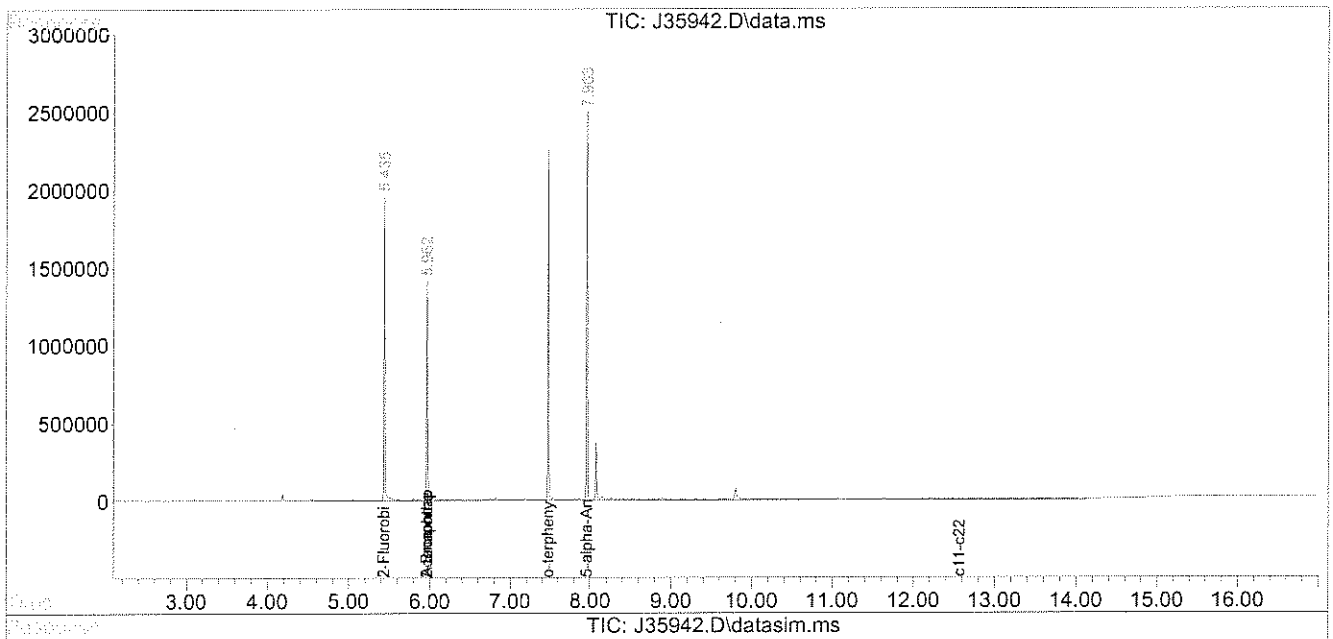
Quantitation Report (Not Reviewed)

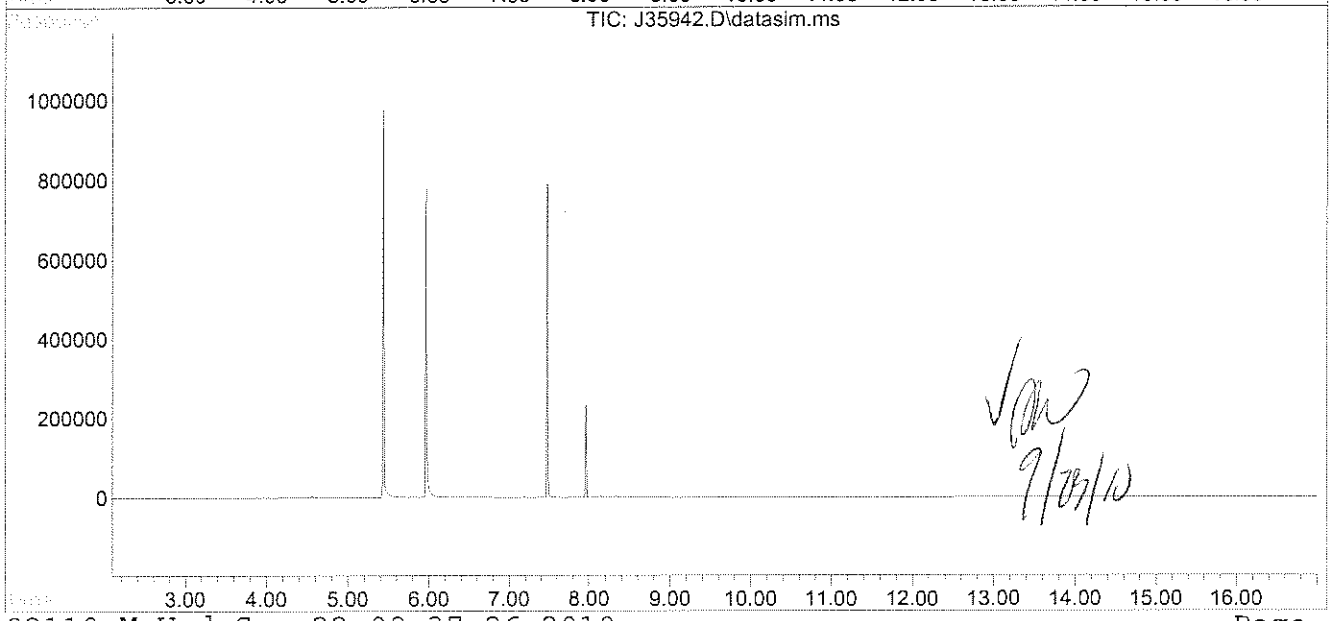
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35942.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:03 am
Operator : AR/MG
Sample : 67833-5
Misc : SOIL,ARO
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 09:37:25 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J12210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71755.D Vial: 22
Acq On : 21 Sep 2010 9:08 pm Operator: AR
Sample : 67833-5 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV 9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5344415 ✓	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	3201150	9.760 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	48.80% ✓
Target Compounds			
2) TZM C-9	4.01	21363	<MDL ug/ml
3) TZM C-10	5.03	20267	<MDL ug/ml
4) TZM C-12	6.48	26304	<MDL ug/ml
5) TZM C-14	7.67	120311	<MDL ug/ml
6) TZM C-16	8.69	47213	<MDL ug/ml
7) TZM C-18	9.62	54951	<MDL ug/ml
8) XH C9-C18	7.38	7512478	21.170 ug/ml
9) TZM C-19	10.02	15274	<MDL ug/ml
10) TZM C-20	10.45	53440	<MDL ug/ml
12) TZM C-22	11.41	46390	<MDL ug/ml
13) TZM C-24	12.69	58929	<MDL ug/ml
14) TZM C-26	14.20	8113	<MDL ug/ml
15) TZM C-28	15.68	40078	<MDL ug/ml
16) TZM C-30	17.24	8086	<MDL ug/ml
17) TZM C-36	21.25	20986	4.153 ug/ml
18) XH C19-C36	11.90	10102447	34.310 ug/ml

20.274/31.299

592210

(f)=RT Delta > 1/2 Window (m)=manual int.

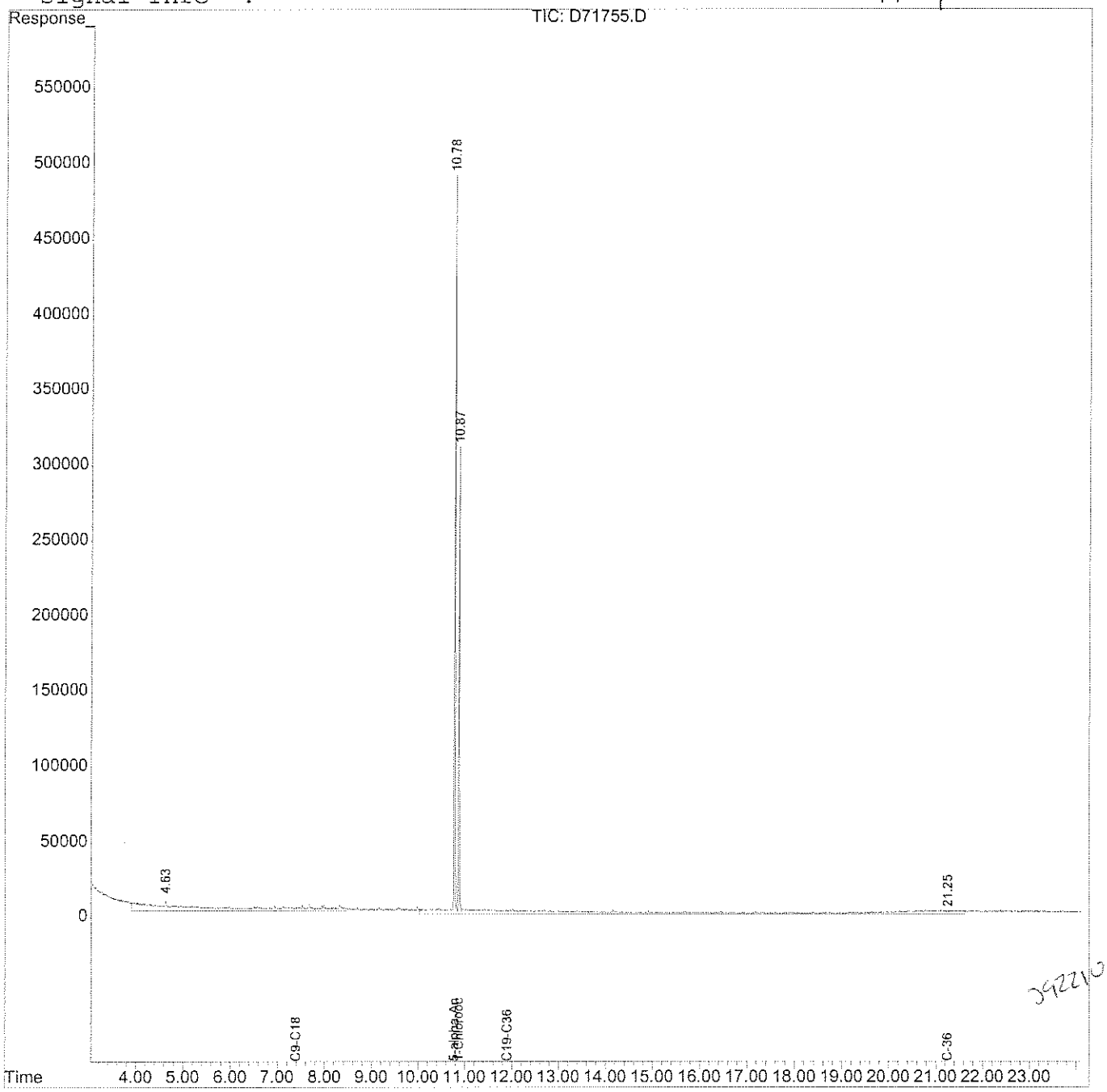
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71755.D Vial: 22
Acq On : 21 Sep 2010 9:08 pm Operator: AR
Sample : 67833-5 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MC 9/22/10



9/22/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-06

SAMPLE DATA

Lab Sample ID: 67833-6
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28400	µg/kg	U
Diesel PAH Analytes	Naphthalene	284	µg/kg	U
	2-Methylnaphthalene	284	µg/kg	U
	Phenanthrene	284	µg/kg	U
	Acenaphthene	284	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	284	µg/kg	U
	Fluorene	284	µg/kg	U
	Anthracene	284	µg/kg	U
	Fluoranthene	284	µg/kg	U
	Pyrene	284	µg/kg	U
	Benzo[a]anthracene	284	µg/kg	U
	Chrysene	284	µg/kg	U
	Benzo[b]fluoranthene	284	µg/kg	U
	Benzo[k]fluoranthene	284	µg/kg	U
	Benzo[a]pyrene	284	µg/kg	U
	Indeno[1,2,3-cd]pyrene	284	µg/kg	U
	Dibenzo[a,h]anthracene	284	µg/kg	U
	Benzo[g,h,i]perylene	284	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		28400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		28400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		28400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				56
Aromatic Surrogate % Recovery (O-Terphenyl)				58
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				73
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				70
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mulbull

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67833-6

Dilution Factors	ARO 1.063351		ALI 1.0633513
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		28356
Naphthalene	U		284
2-Methylnaphthalene	U		284
Phenanthrene	U		284
Acenaphthene	U		284
Acenaphthylene	U		284
Fluorene	U		284
Anthracene	U		284
Fluoranthene	U		284
Pyrene	U		284
Benzo[a]anthracene	U		284
Chrysene	U		284
Benzo[b] fluoranthene	U		284
Benzo[k] fluoranthene	U		284
Benzo[a] pyrene	U		284
Indeno [1,2,3-cd] pyrene	U		284
Dibenz [a,h] anthracene	U		284
Benzo(g,h,i) perylene	U		284
C9-C18 Aliphatics	U		28356
C19-C36 Aliphatics	U		28356
C11-C22 Aromatics	U		28356
1-Chlorooctadecane (Ali)	56%	40-140%	PASS
o-terphenyl (Aro)	58%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	73%	40-140%	PASS
2-Bromonaphthalene (Fraction)	70%	40-140%	PASS

J9220

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35943.D	---------
Date Acquired	9/22/2010 9:26	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.51**	15.51
% Solid (divided by 100)	**0.9095**	0.9095
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	1
Calculation Factor	141.7802	141.7802

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-142	Quadratic
2-Methylnaphthalene	-1.00	-142	Quadratic
Acenaphthylene	-1.00	-142	Quadratic
Acenaphthene	-1.00	-142	Quadratic
Fluorene	-1.00	-142	Quadratic
Phenanthrene	-1.00	-142	Quadratic
Anthracene	-1.00	-142	Quadratic
Fluoranthene	-1.00	-142	Quadratic
Pyrene	-1.00	-142	Quadratic
Benzo[a]anthracene	0.01	2	Avg RF
Chrysene	0.02	3	Avg RF
Benzo[b] fluoranthene	0.02	2	Avg RF
Benzo[k] fluoranthene	0.02	2	Avg RF
Benzo[a] pyrene	0.22	32	Avg RF
Indeno [1,2,3-cd] pyrene	0.01	1	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.00	1	Avg RF
C11-C22	**50.154**	3755	
ARO Hexane Blank	**23.671**		
Adjusted C11-C22		4988	
ALIPHATICS			
C9-C18	**26.067**	821	
C9-C18 Hexane Blank	**20.274**		
C19-C36	**50.796**	2764	
C19-C36 Hexane Blank	**31.299**		
Surrogates			
1-Chlorooctadecane (Ali)	**11.208**	56%	
2-Fluorobiphenyl (Fraction)	14.65	73%	
2-Bromonaphthalene (Fraction)	14.07	70%	
o-terphenyl (Aro)	11.63	58%	

9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35943.D
Acq On : 22 Sep 2010 9:26 am
Operator : AR/MG
Sample : 67833-6
Misc : SOIL,ARO
ALS Vial : 24 Sample Multiplier: 1

Q
J92210

Quant Time: Sep 22 09:45:04 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	92440	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	512248	14.65 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 73.25%		
10) 2-Bromonaphthalene	5.962	206	225066	14.07 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 70.35%		
11) o-terphenyl	7.480	230	325509	11.63 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 58.15%		

Target Compounds					Qvalue
2) Naphthalene	4.561	128	3448	~~Below Cal~~	~~# 86~~
3) 2-Methylnaphthalene	5.131	141	520	Below Cal	# 69
4) Acenaphthylene	5.849	152	466	Below Cal	97
5) Acenaphthene	5.991	154	351	Below Cal	# 90
6) Fluorene	6.412	166	617	Below Cal	# 77
7) Phenanthrene	7.180	178	1532	Below Cal	# 88
8) Anthracene	7.227	178	664	Below Cal	# 85
12) Fluoranthene	8.136	202	2301	Below Cal	# 63
13) Pyrene	8.332	202	2184	~~Below Cal~~	~~# 94~~

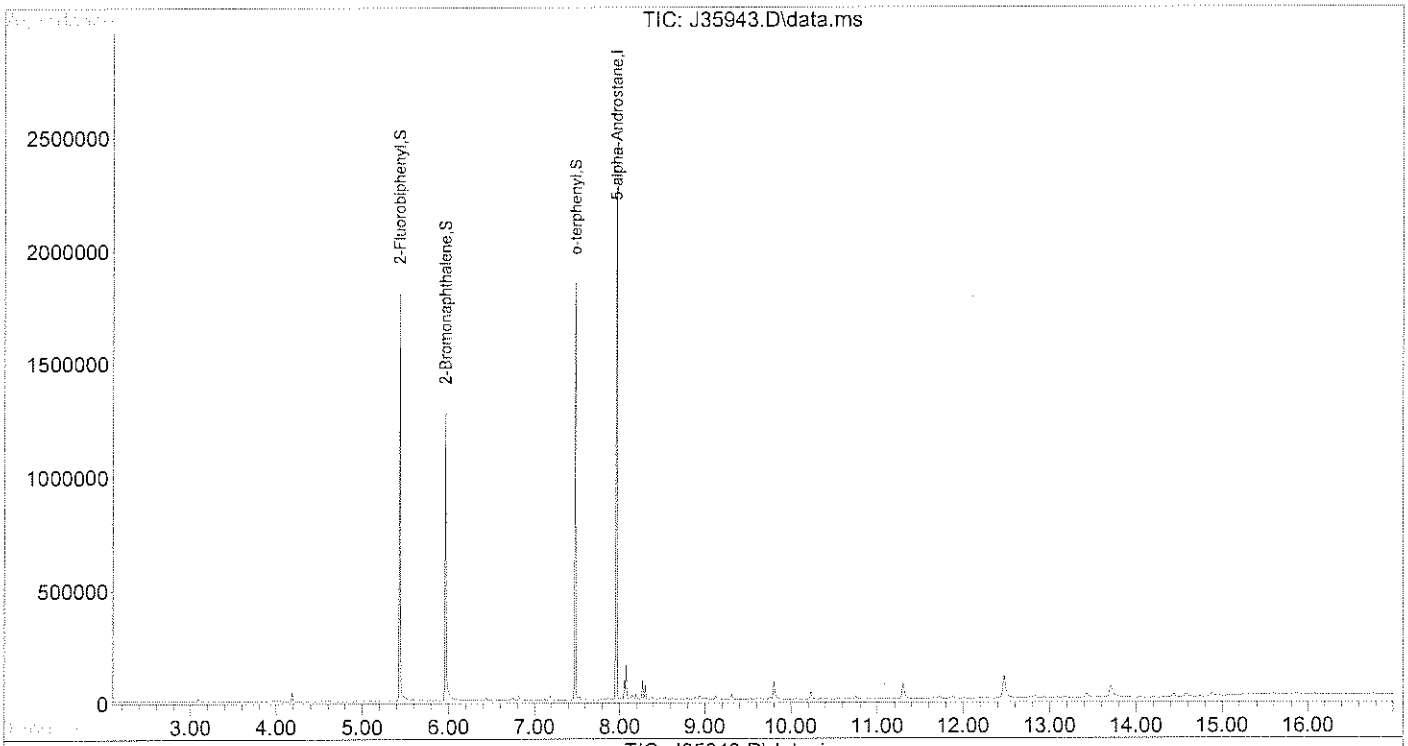
(#) = qualifier out of range (m) = manual integration (+) = signals summed

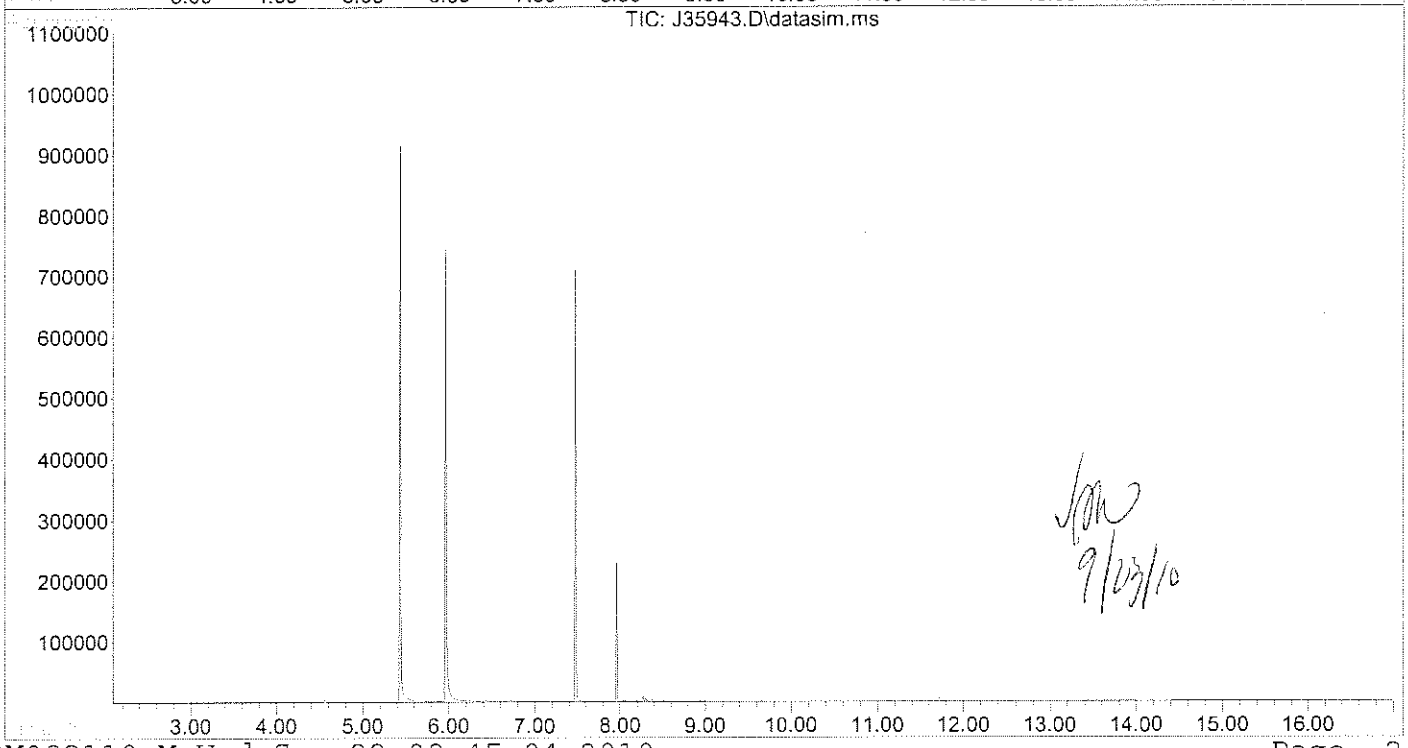
9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35943.D
Acq On : 22 Sep 2010 9:26 am
Operator : AR/MG
Sample : 67833-6
Misc : SOIL,ARO
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 22 09:45:04 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35943.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:26 am
Operator : AR/MG
Sample : 67833-6
Misc : SOIL,ARO
ALS Vial : 24 Sample Multiplier: 1

592270

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 09:44:29 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.965	20762721	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.436	14554846	14.236 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	71.18%
10) S 2-Bromonaphthalene	5.964	12249678	15.588 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	77.94%
11) S o-terphenyl	7.480	15337145	11.754 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	58.77%
Target Compounds			
5) TZ Acenaphthene	5.964f	12249678	10.763 ug/ml
14) TZ Benzo[a]anthracene	9.594	158590	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.083	134087	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.594	34726	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.358	14438	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.431	664737	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.709	2011057	2.259 ug/ml
22) XH c11-c22	12.565	51338866	50.154 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

23.671

9/23/10

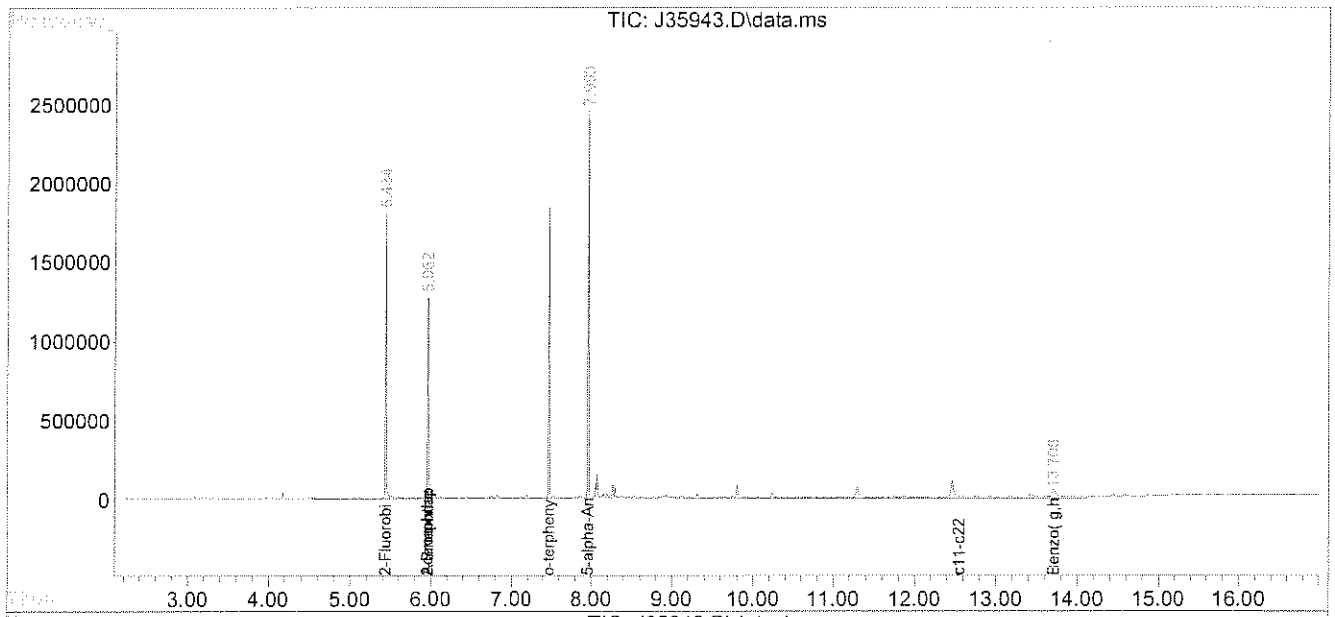
Quantitation Report (Not Reviewed)

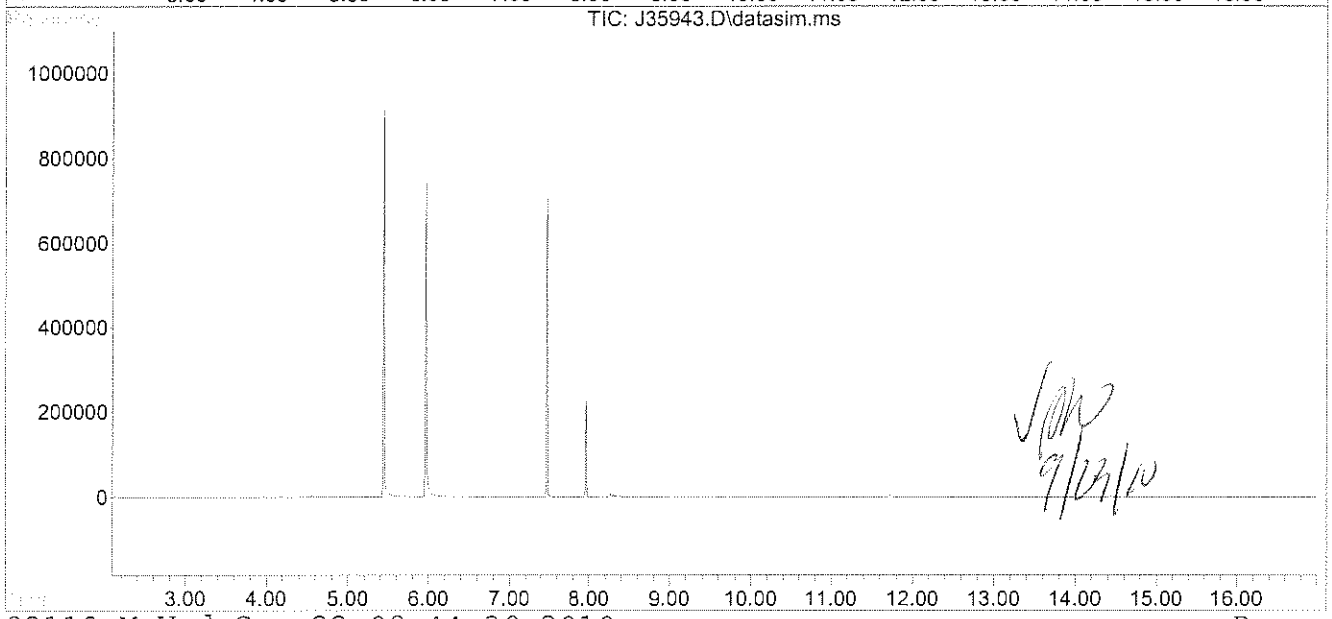
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35943.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:26 am
Operator : AR/MG
Sample : 67833-6
Misc : SOIL,ARO
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 09:44:29 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

392210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71756.D Vial: 23
Acq On : 21 Sep 2010 9:38 pm Operator: AR
Sample : 67833-6 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV 9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5025964	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	3456962	11.208 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	56.04%
Target Compounds			
2) TZM C-9	4.04	13585	<MDL ug/ml
3) TZM C-10	5.02	10455	<MDL ug/ml
4) TZM C-12	6.51	74308	<MDL ug/ml
5) TZM C-14	7.67	88832	<MDL ug/ml
6) TZM C-16	8.69	56866	<MDL ug/ml
7) TZM C-18	9.60	67928	<MDL ug/ml
8) XH C9-C18	7.38	8699108	26.067 ug/ml
9) TZM C-19	10.02	78205	<MDL ug/ml
10) TZM C-20	10.45	89610	<MDL ug/ml
12) TZM C-22	11.42	96245	<MDL ug/ml
13) TZM C-24	12.69	129146	<MDL ug/ml
14) TZM C-26	14.16	125814	<MDL ug/ml
15) TZM C-28	15.69	124329	<MDL ug/ml
16) TZM C-30	17.20	89539	<MDL ug/ml
17) TZM C-36	21.28	12797	4.115 ug/ml
18) XH C19-C36	11.90	14065291	50.796 ug/ml

20.274/31.299

9/22/10

(f)=RT Delta > 1/2 Window (m)=manual int.

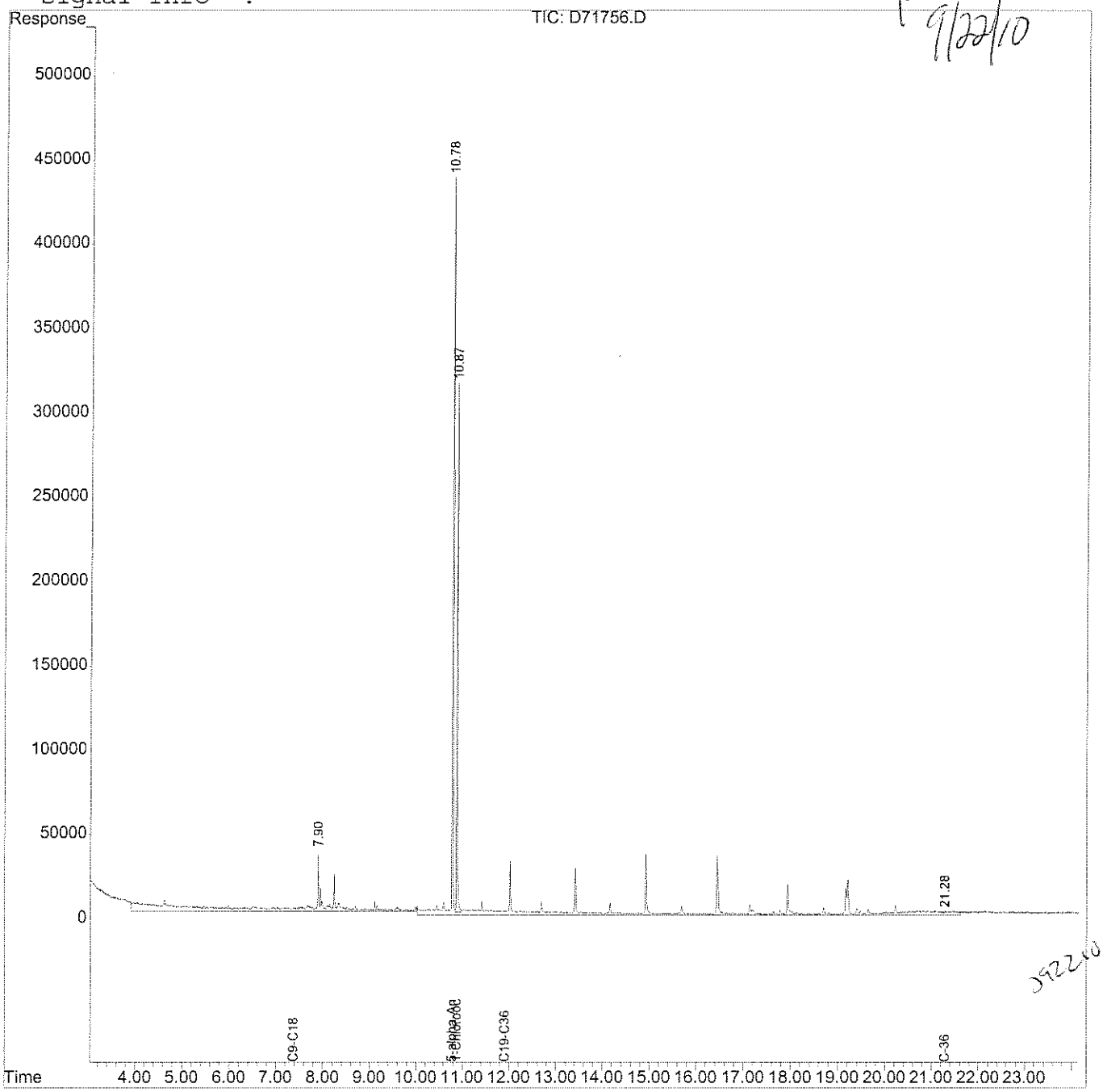
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71756.D Vial: 23
Acq On : 21 Sep 2010 9:38 pm Operator: AR
Sample : 67833-6 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/22/10



9/22/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-07

SAMPLE DATA

Lab Sample ID: 67833-7
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics [1]		30300	µg/kg	U
Diesel PAH Analytes	Naphthalene	303	µg/kg	U
	2-Methylnaphthalene	303	µg/kg	U
	Phenanthrene	303	µg/kg	U
	Acenaphthene	303	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	303	µg/kg	U
	Fluorene	303	µg/kg	U
	Anthracene	303	µg/kg	U
	Fluoranthene	303	µg/kg	U
	Pyrene	303	µg/kg	U
	Benzo[a]anthracene	303	µg/kg	U
	Chrysene	303	µg/kg	U
	Benzo[b]fluoranthene	303	µg/kg	U
	Benzo[k]fluoranthene	303	µg/kg	U
	Benzo[a]pyrene	303	µg/kg	U
	Indeno[1,2,3-cd]pyrene	303	µg/kg	U
	Dibenzo[a,h]anthracene	303	µg/kg	U
	Benzo[g,h,i]perylene	303	µg/kg	U
C9-C18 Aliphatic Hydrocarbons [1]		30300	µg/kg	U
C19-C36 Aliphatic Hydrocarbons [1]		30300	µg/kg	U
C11-C22 Aromatic Hydrocarbons [1,2]		30300	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				55
Aromatic Surrogate % Recovery (O-Terphenyl)				72
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				87
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				73
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1] Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2] C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67833-7

Dilution Factors	ARO	1.134464	ALI 1.1344638

	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		30252
Naphthalene	U		303
2-Methylnaphthalene	U		303
Phenanthrene	U		303
Acenaphthene	U		303
Acenaphthylene	U		303
Fluorene	U		303
Anthracene	U		303
Fluoranthene	U		303
Pyrene	U		303
Benzo[a]anthracene	U		303
Chrysene	U		303
Benzo[b] fluoranthene	U		303
Benzo[k] fluoranthene	U		303
Benzo[a] pyrene	U		303
Indeno [1,2,3-cd] pyrene	U		303
Dibenz [a,h] anthracene	U		303
Benzo(g,h,i) perylene	U		303
C9-C18 Aliphatics	U		30252
C19-C36 Aliphatics	U		30252
C11-C22 Aromatics	U		30252
1-Chlorooctadecane (Ali)	55%	40-140%	PASS
o-terphenyl (Aro)	72%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	87%	40-140%	PASS
2-Bromonaphthalene (Fraction)	73%	40-140%	PASS

392210

	Aromatic Sample Info		Aliphatic Sample Info
Data File Name	J35946.D		---------
Date Acquired	9/22/2010 10:34		---------
Misc Info	SOIL,ARO		---------
Soil Weight (g)		**15.02**	15.02
% Solid (divided by 100)		**0.8803**	0.8803
Final Volume (mL)		**2.0**	2.0
Dilution (1:X)		**1**	1
Calculation Factor	151.2618		151.2618

RAW DATA

AROMATICS	Inst. Amount ug/mL		Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00		-151	Quadratic
2-Methylnaphthalene	-1.00		-151	Quadratic
Acenaphthylene	-1.00		-151	Quadratic
Acenaphthene	-1.00		-151	Quadratic
Fluorene	-1.00		-151	Quadratic
Phenanthrene	-1.00		-151	Quadratic
Anthracene	-1.00		-151	Quadratic
Fluoranthene	-1.00		-151	Quadratic
Pyrene	-1.00		-151	Quadratic
Benzo[a]anthracene	0.00		0	Avg RF
Chrysene	0.01		2	Avg RF
Benzo[b] fluoranthene	0.01		1	Avg RF
Benzo[k] fluoranthene	0.00		0	Avg RF
Benzo[a] pyrene	0.01		2	Avg RF
Indeno [1,2,3-cd] pyrene	0.01		1	Avg RF
Dibenz [a,h] anthracene	0.00		0	Avg RF
Benzo(g,h,i) perylene	0.01		1	Avg RF
C11-C22		**33.652**	1510	
ARO Hexane Blank		**23.671**		
Adjusted C11-C22			2863	
ALIPHATICS				
C9-C18		**23.583**	501	
C9-C18 Hexane Blank		**20.274**		
C19-C36		**35.136**	580	
C19-C36 Hexane Blank		**31.299**		

Surrogates			
1-Chlorooctadecane (Ali)		**10.911**	55%
2-Fluorobiphenyl (Fraction)	17.33		87%
2-Bromonaphthalene (Fraction)	14.55		73%
o-terphenyl (Aro)	14.34		72%

9/28/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35946.D
Acq On : 22 Sep 2010 10:34 am
Operator : AR/MG
Sample : 67833-7
Misc : SOIL,ARO
ALS Vial : 27 Sample Multiplier: 1

Q

J92210

Quant Time: Sep 22 12:01:06 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	99666	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	653233	17.33 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	86.65%	87
10) 2-Bromonaphthalene	5.962	206	250814	14.55 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	72.75%	73
11) o-terphenyl	7.480	230	432863	14.34 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	71.70%	72
Target Compounds					Qvalue
2) Naphthalene	4.561	128	3371	~~Below Cal~~	~~# 88~~
3) 2-Methylnaphthalene	5.131	141	566	Below Cal	# 70
4) Acenaphthylene	5.849	152	816	Below Cal	# 74
5) Acenaphthene	5.991	154	344	Below Cal	# 71
6) Fluorene	6.412	166	510	Below Cal	# 74
7) Phenanthrene	7.180	178	1726	Below Cal	# 85
8) Anthracene	7.222	178	459	Below Cal	# 86
12) Fluoranthene	8.136	202	2591	Below Cal	# 69
13) Pyrene	8.332	202	2588	Below Cal	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

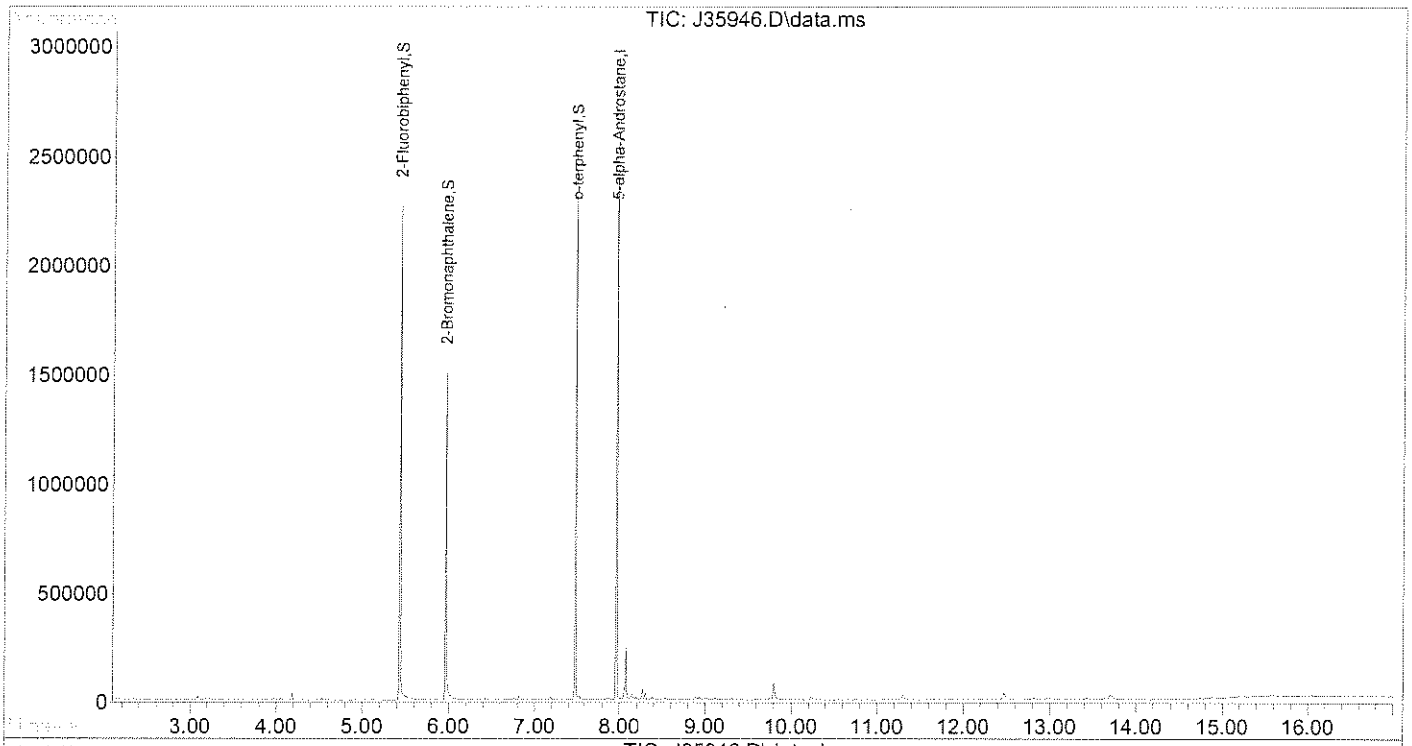
9/03/10

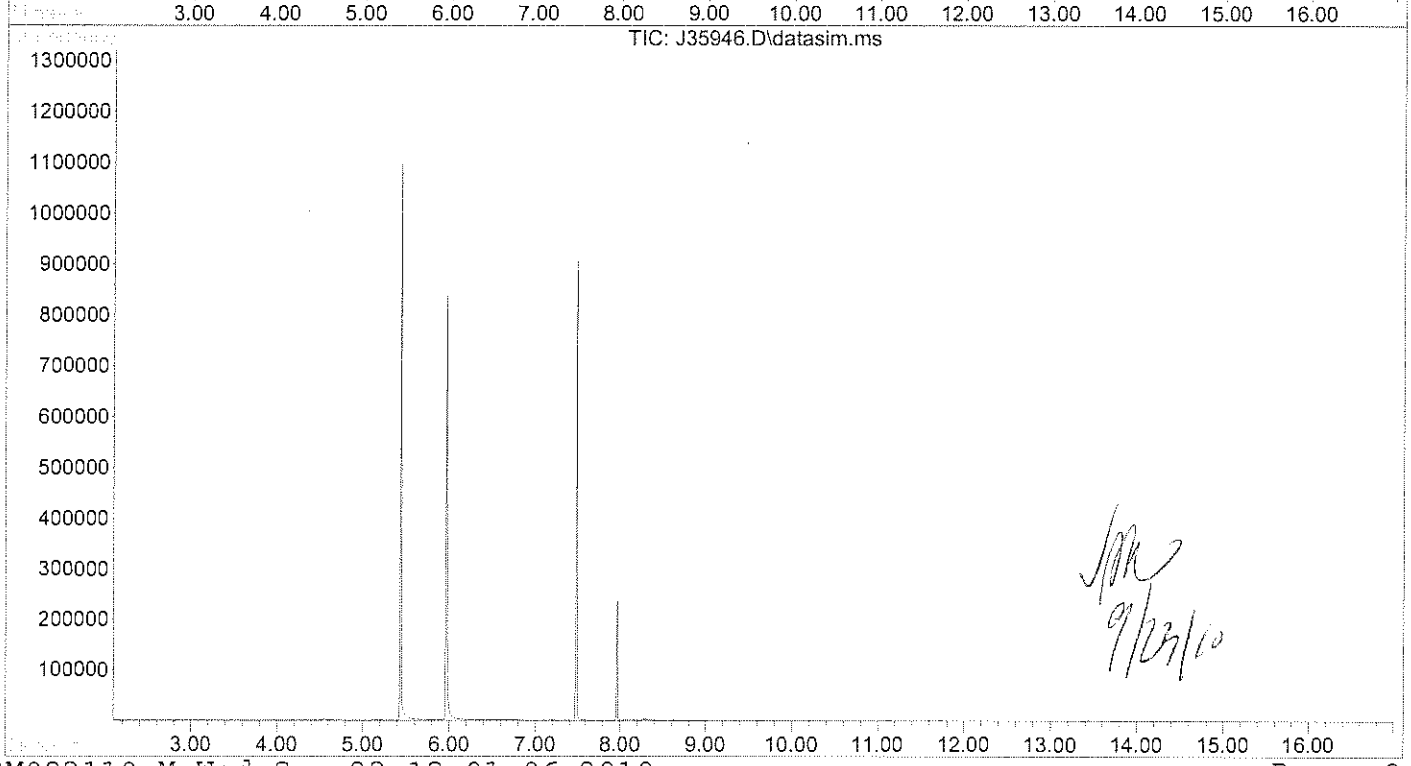
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35946.D
Acq On : 22 Sep 2010 10:34 am
Operator : AR/MG
Sample : 67833-7
Misc : SOIL,ARO
ALS Vial : 27 Sample Multiplier: 1

J92210

Quant Time: Sep 22 12:01:06 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35946.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 10:34 am
Operator : AR/MG
Sample : 67833-7
Misc : SOIL,ARO
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 12:06:32 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	21957358	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	18850032	17.848 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	89.24%
10) S 2-Bromonaphthalene	5.964	13417907	16.146 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	80.73%
11) S o-terphenyl	7.482	19976910	14.936 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	74.68%
Target Compounds			
5) TZ Acenaphthene	5.964f	13417907	11.206 ug/ml
14) TZ Benzo[a]anthracene	9.600	94237	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.123	32661	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.637	188768	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.342	38865	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.431	363337	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.768	129410	<MDL ug/ml
22) XH c11-c22	12.565	36429121	33.652 ug/ml

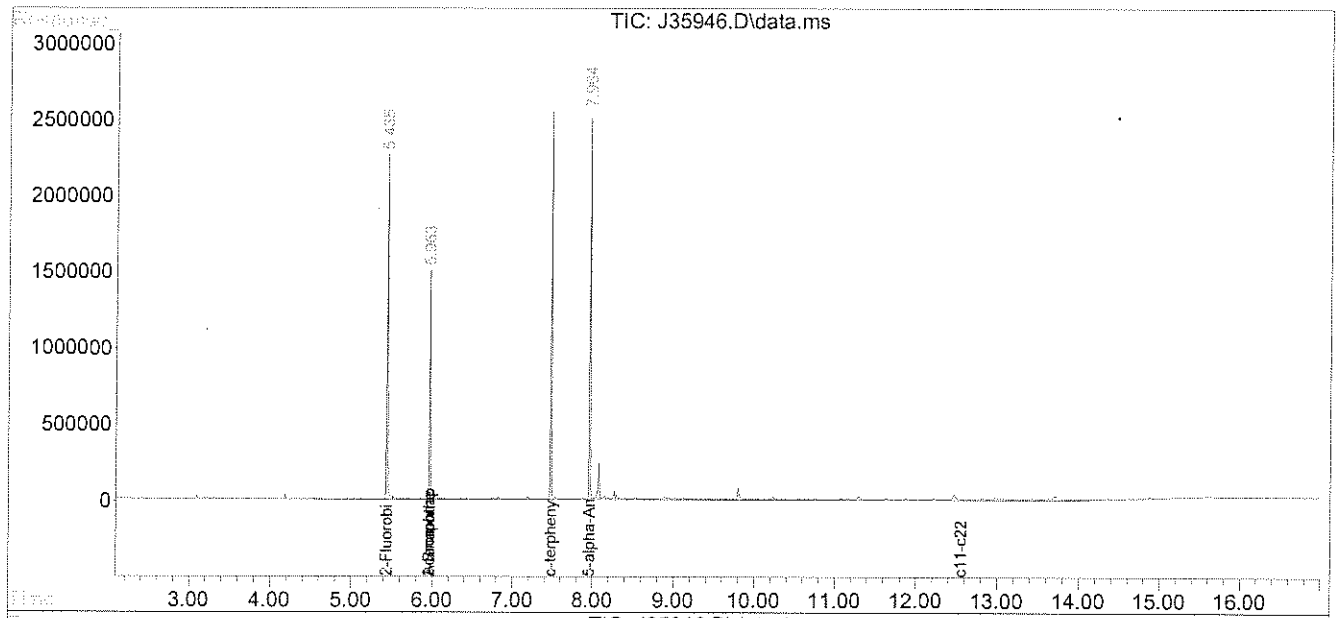
(f)=RT Delta > 1/2 Window (m)=manual int.

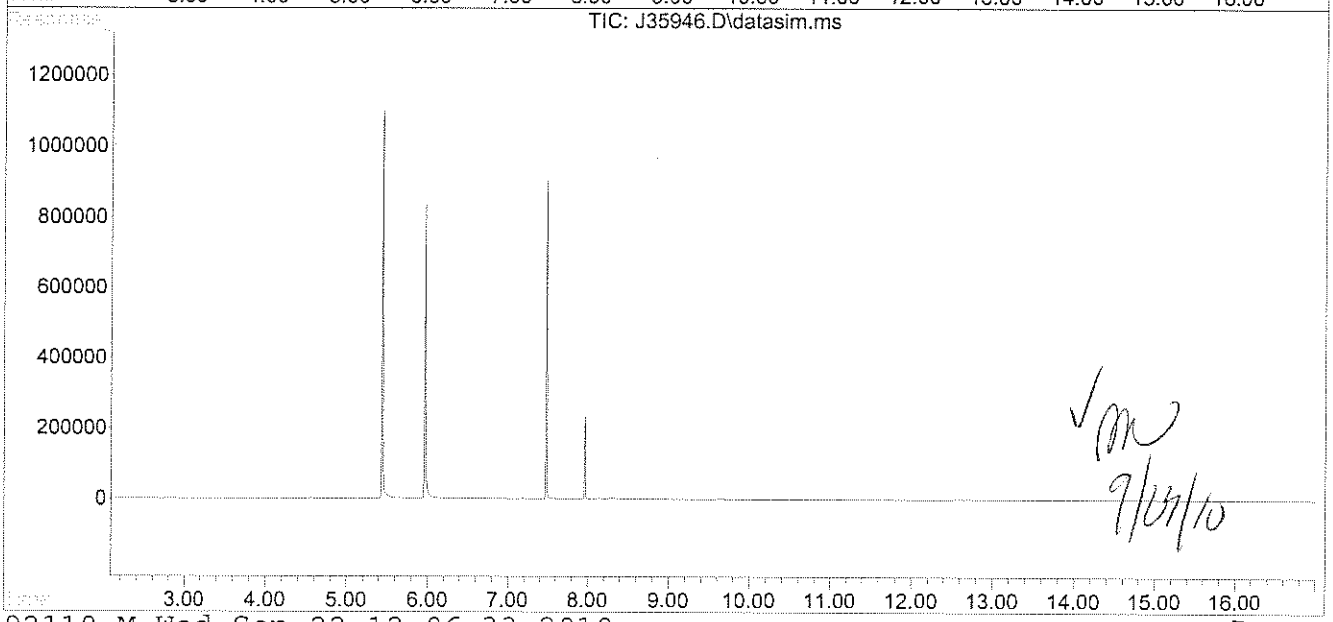
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35946.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 10:34 am
Operator : AR/MG
Sample : 67833-7
Misc : SOIL,ARO
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 12:06:32 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





✓ MW 9/23/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71759.D Vial: 26
Acq On : 21 Sep 2010 11:08 pm Operator: AR
Sample : 67833-7 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5703009	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	3818470	10.911 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	54.56%
Target Compounds			
2) TZM C-9	4.01	20969	<MDL ug/ml
3) TZM C-10	5.01	6435	<MDL ug/ml
4) TZM C-12	6.47	8046	<MDL ug/ml
5) TZM C-14	7.68	64940	<MDL ug/ml
6) TZM C-16	8.69	71547	<MDL ug/ml
7) TZM C-18	9.60	30128	<MDL ug/ml
8) XH C9-C18	7.38	8930626	23.583 ug/ml
9) TZM C-19	9.98	119214	<MDL ug/ml
10) TZM C-20	10.45	81720	<MDL ug/ml
12) TZM C-22	11.42	93777	<MDL ug/ml
13) TZM C-24	12.69	71594	<MDL ug/ml
14) TZM C-26	14.16	74670	<MDL ug/ml
15) TZM C-28	15.69	66792	<MDL ug/ml
16) TZM C-30	17.20	37737	<MDL ug/ml
17) TZM C-36	21.23	26270	4.171 ug/ml
18) XH C19-C36	11.90	11039681	35.136 ug/ml

20.274/31.299

392210

(f)=RT Delta > 1/2 Window (m)=manual int.

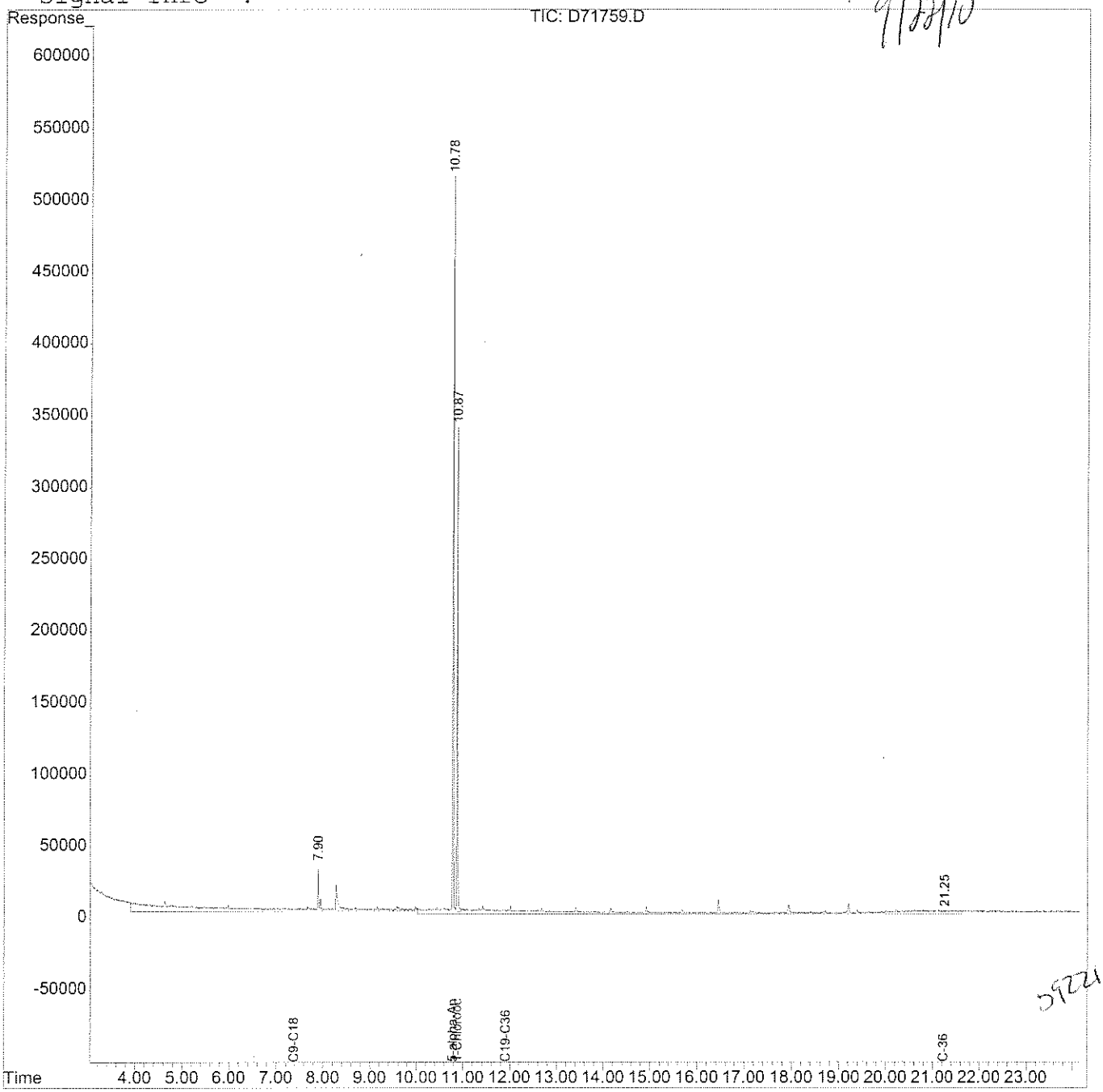
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71759.D Vial: 26
Acq On : 21 Sep 2010 11:08 pm Operator: AR
Sample : 67833-7 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PM 9/22/10



092210

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-08

SAMPLE DATA

Lab Sample ID:	67833-8
Matrix:	Solid
Percent Solid:	70
Dilution Factor:	1.4
Collection Date:	09/20/10
Lab Receipt Date:	09/20/10
Extraction Date:	09/20/10
Analysis Date:	09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		37900	µg/kg	U
Diesel PAH Analytes	Naphthalene	379	µg/kg	U
	2-Methylnaphthalene	379	µg/kg	U
	Phenanthrene	379	µg/kg	U
	Acenaphthene	379	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	379	µg/kg	U
	Fluorene	379	µg/kg	U
	Anthracene	379	µg/kg	U
	Fluoranthene	379	µg/kg	U
	Pyrene	379	µg/kg	U
	Benzo[a]anthracene	379	µg/kg	U
	Chrysene	379	µg/kg	U
	Benzo[b]fluoranthene	379	µg/kg	U
	Benzo[k]fluoranthene	379	µg/kg	U
	Benzo[a]pyrene	379	µg/kg	U
	Indeno[1,2,3-cd]pyrene	379	µg/kg	U
	Dibenzo[a,h]anthracene	379	µg/kg	U
	Benzo[g,h,i]perylene	379	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		37900	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		37900	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		37900	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				48
Aromatic Surrogate % Recovery (O-Terphenyl)				52
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				76
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				75
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mahlull

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67833-8

Dilution Factors	ARO	1.419508		ALI 1.4195082
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics		U		37854
Naphthalene		U		379
2-Methylnaphthalene		U		379
Phenanthrene		U		379
Acenaphthene		U		379
Acenaphthylene		U		379
Fluorene		U		379
Anthracene		U		379
Fluoranthene		U		379
Pyrene		U		379
Benzo[a]anthracene		U		379
Chrysene		U		379
Benzo[b] fluoranthene		U		379
Benzo[k] fluoranthene		U		379
Benzo[a] pyrene		U		379
Indeno [1,2,3-cd] pyrene		U		379
Dibenz [a,h] anthracene		U		379
Benzo(g,h,i) perylene		U		379
C9-C18 Aliphatics		U		37854
C19-C36 Aliphatics		U		37854
C11-C22 Aromatics		U		37854
1-Chlorooctadecane (Ali)		48%	40-140%	PASS
o-terphenyl (Aro)		52%	40-140%	PASS
2-Fluorobiphenyl (Fraction)		76%	40-140%	PASS
2-Bromonaphthalene (Fraction)		75%	40-140%	PASS

392210

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35947.D	---------
Date Acquired	9/22/2010 10:57	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.20**	15.20
% Solid (divided by 100)	**0.6952**	0.6952
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	1
Calculation Factor	189.2678	189.2678

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	0.10	19	Quadratic
2-Methylnaphthalene	-1.00	-189	Quadratic
Acenaphthylene	-1.00	-189	Quadratic
Acenaphthene	-1.00	-189	Quadratic
Fluorene	-1.00	-189	Quadratic
Phenanthrene	-1.00	-189	Quadratic
Anthracene	-1.00	-189	Quadratic
Fluoranthene	-1.00	-189	Quadratic
Pyrene	-1.00	-189	Quadratic
Benzo[a]anthracene	0.01	1	Avg RF
Chrysene	0.01	1	Avg RF
Benzo[b] fluoranthene	0.01	2	Avg RF
Benzo[k] fluoranthene	0.00	1	Avg RF
Benzo[a] pyrene	0.01	1	Avg RF
Indeno [1,2,3-cd] pyrene	0.01	1	Avg RF
Dibenz [a,h] anthracene	0.01	1	Avg RF
Benzo(g,h,i) perylene	0.00	1	Avg RF
C11-C22	**51.068**	5185	
ARO Hexane Blank	**23.671**		
Adjusted C11-C22		6672	
ALIPHATICS			
C9-C18	**27.960**	1455	
C9-C18 Hexane Blank	**20.274**		
C19-C36	**52.467**	4006	
C19-C36 Hexane Blank	**31.299**		
Surrogates			
1-Chlorooctadecane (Ali)	**9.566**	48%	
2-Fluorobiphenyl (Fraction)	15.22	76%	
2-Bromonaphthalene (Fraction)	14.91	75%	
o-terphenyl (Aro)	10.32	52%	

9/23/10

Quantitation Report (Not Reviewed)

Q

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35947.D
Acq On : 22 Sep 2010 10:57 am
Operator : AR/MG
Sample : 67833-8
Misc : SOIL,ARO
ALS Vial : 28 Sample Multiplier: 1

J92210

Quant Time: Sep 22 12:01:08 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	98190	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	565388	15.22 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	76.10%	76
10) 2-Bromonaphthalene	5.962	206	253348	14.91 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	74.55%	74
11) o-terphenyl	7.480	230	306836	10.32 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	51.60%	52

Target Compounds					Qvalue
3) 2-Methylnaphthalene	5.131	141	10731	~~Below Cal~~	95
4) Acenaphthylene	5.855	152	618	Below Cal #	73
5) Acenaphthene	5.991	154	437	Below Cal	85
6) Fluorene	6.412	166	873	Below Cal #	68
7) Phenanthrene	7.185	178	1519	Below Cal	93
8) Anthracene	7.222	178	402	Below Cal #	70
12) Fluoranthene	8.136	202	1362	Below Cal #	71
13) Pyrene	8.332	202	1446	Below Cal	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

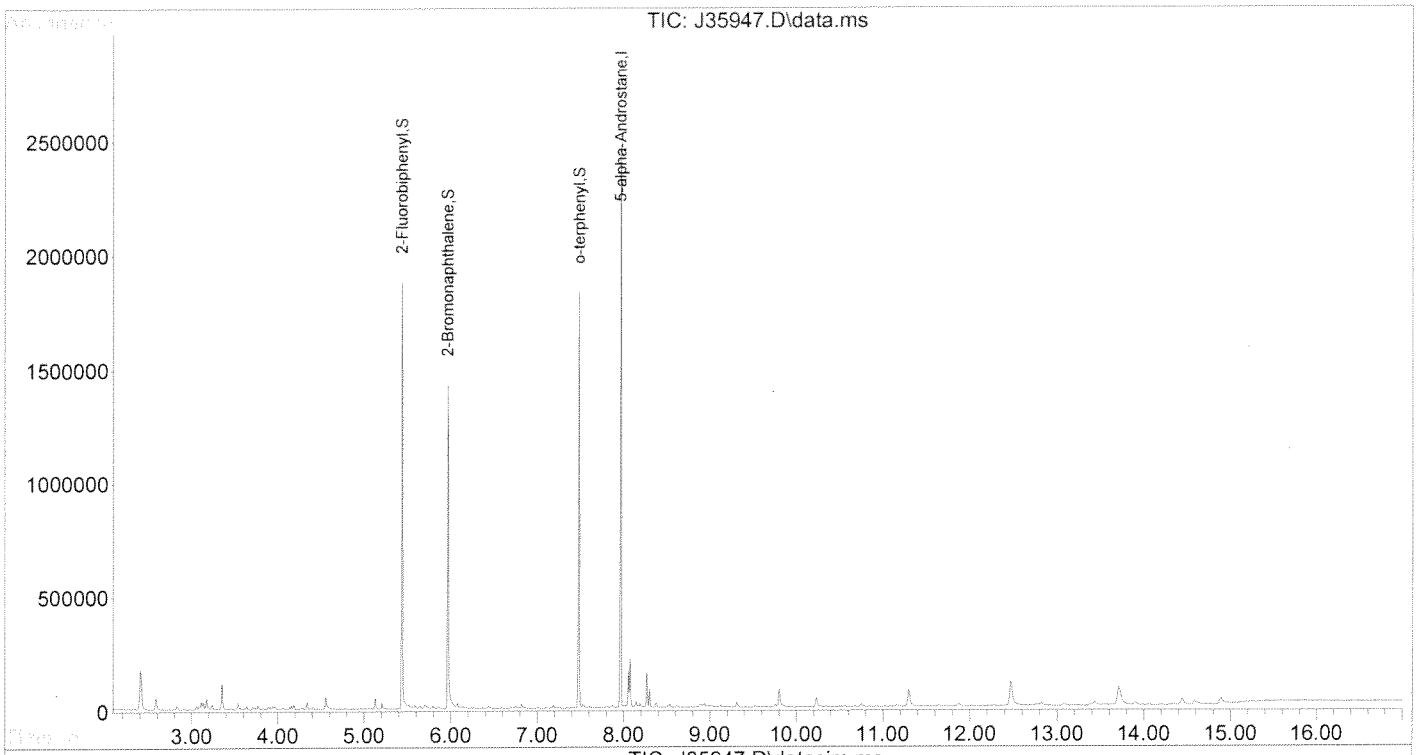
9/03/10

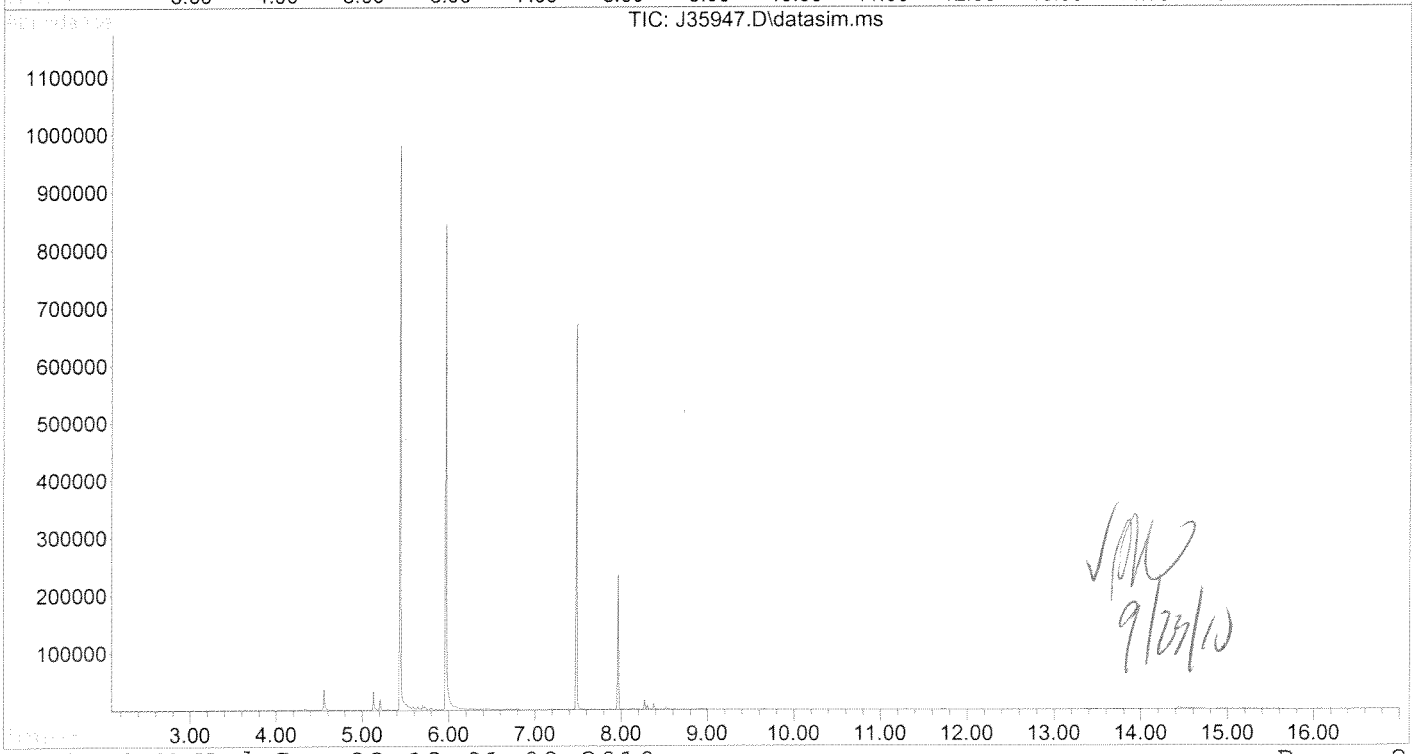
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35947.D
Acq On : 22 Sep 2010 10:57 am
Operator : AR/MG
Sample : 67833-8
Misc : SOIL,ARO
ALS Vial : 28 Sample Multiplier: 1

J92210

Quant Time: Sep 22 12:01:08 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35947.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 10:57 am
Operator : AR/MG
Sample : 67833-8
Misc : SOIL,ARO
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 12:06:34 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	21890860	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	16203614	15.120 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	75.60%
10) S 2-Bromonaphthalene	5.965	13530029	16.330 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	81.65%
11) S o-terphenyl	7.481	14311701	10.244 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	51.22%
Target Compounds			
2) TZ Naphthalene	4.559	788247	<MDL ug/ml
5) TZ Acenaphthene	5.965f	13530029	11.353 ug/ml
14) TZ Benzo[a]anthracene	9.588	111189	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.081	65756	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.585	18363	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.306	12809	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.433	707094	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.713	2792465	2.976 ug/ml
22) XH c11-c22	12.565	55115301	51.068 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

23.671

9/23/10

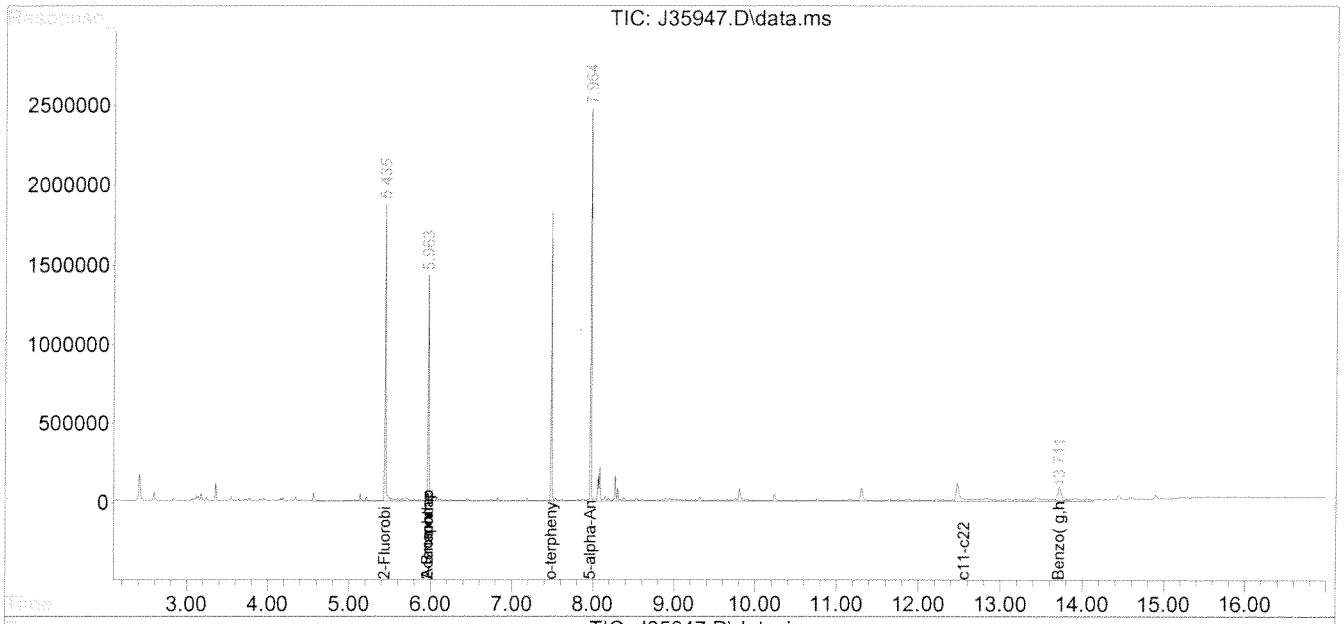
Quantitation Report (Not Reviewed)

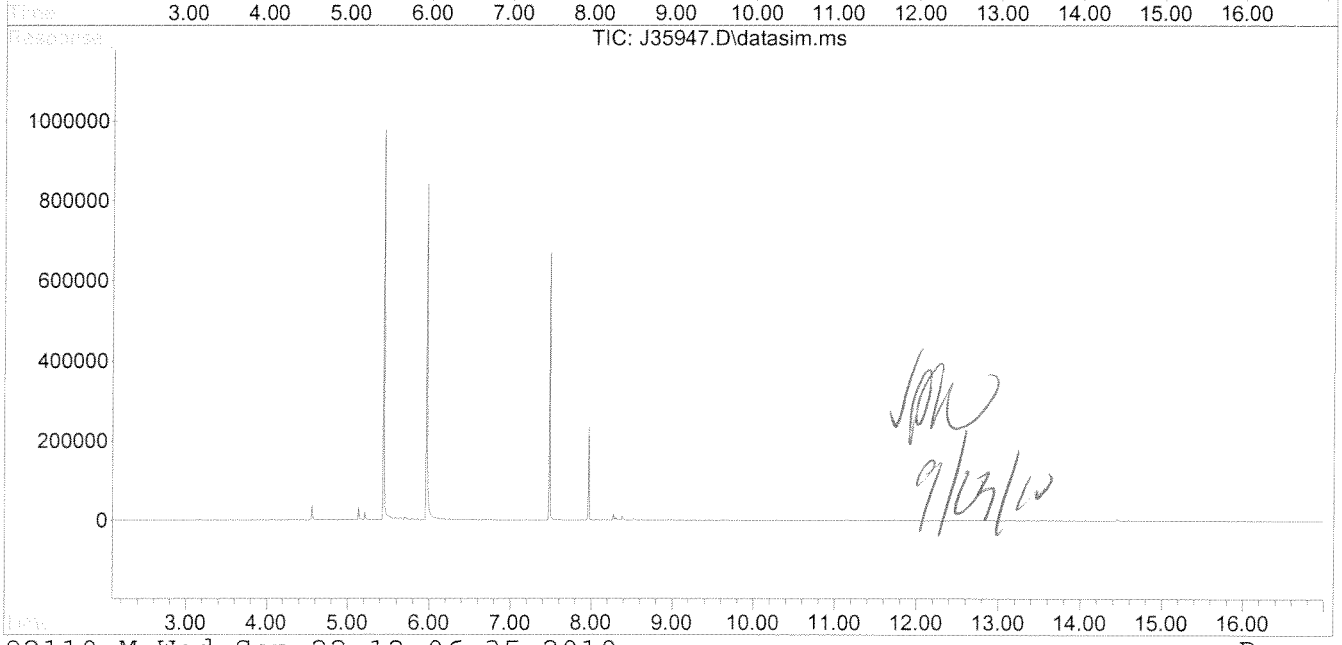
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35947.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 10:57 am
Operator : AR/MG
Sample : 67833-8
Misc : SOIL,ARO
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 12:06:34 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71760.D Vial: 27
Acq On : 21 Sep 2010 11:38 pm Operator: AR
Sample : 67833-8 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MC 9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5190100	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	3046655	9.566 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	47.83%
Target Compounds			
2) TZM C-9	4.02	26501	<MDL ug/ml
3) TZM C-10	5.04	19632	<MDL ug/ml
4) TZM C-12	6.53	35821	<MDL ug/ml
5) TZM C-14	7.68	69197	<MDL ug/ml
6) TZM C-16	8.70	30070	<MDL ug/ml
7) TZM C-18	9.60	20933	<MDL ug/ml
8) XH C9-C18	7.38	9635652	27.960 ug/ml
9) TZM C-19	10.02	55437	<MDL ug/ml
10) TZM C-20	10.44	85420	<MDL ug/ml
12) TZM C-22	11.42	102329	<MDL ug/ml
13) TZM C-24	12.69	121132	<MDL ug/ml
14) TZM C-26	14.16	135845	<MDL ug/ml
15) TZM C-28	15.69	132413	<MDL ug/ml
16) TZM C-30	17.20	96913	<MDL ug/ml
17) TZM C-36	21.25	10745	4.102 ug/ml
18) XH C19-C36	11.90	15002408	52.467 ug/ml

20.274/31.299

JS 92210

(f)=RT Delta > 1/2 Window (m)=manual int.

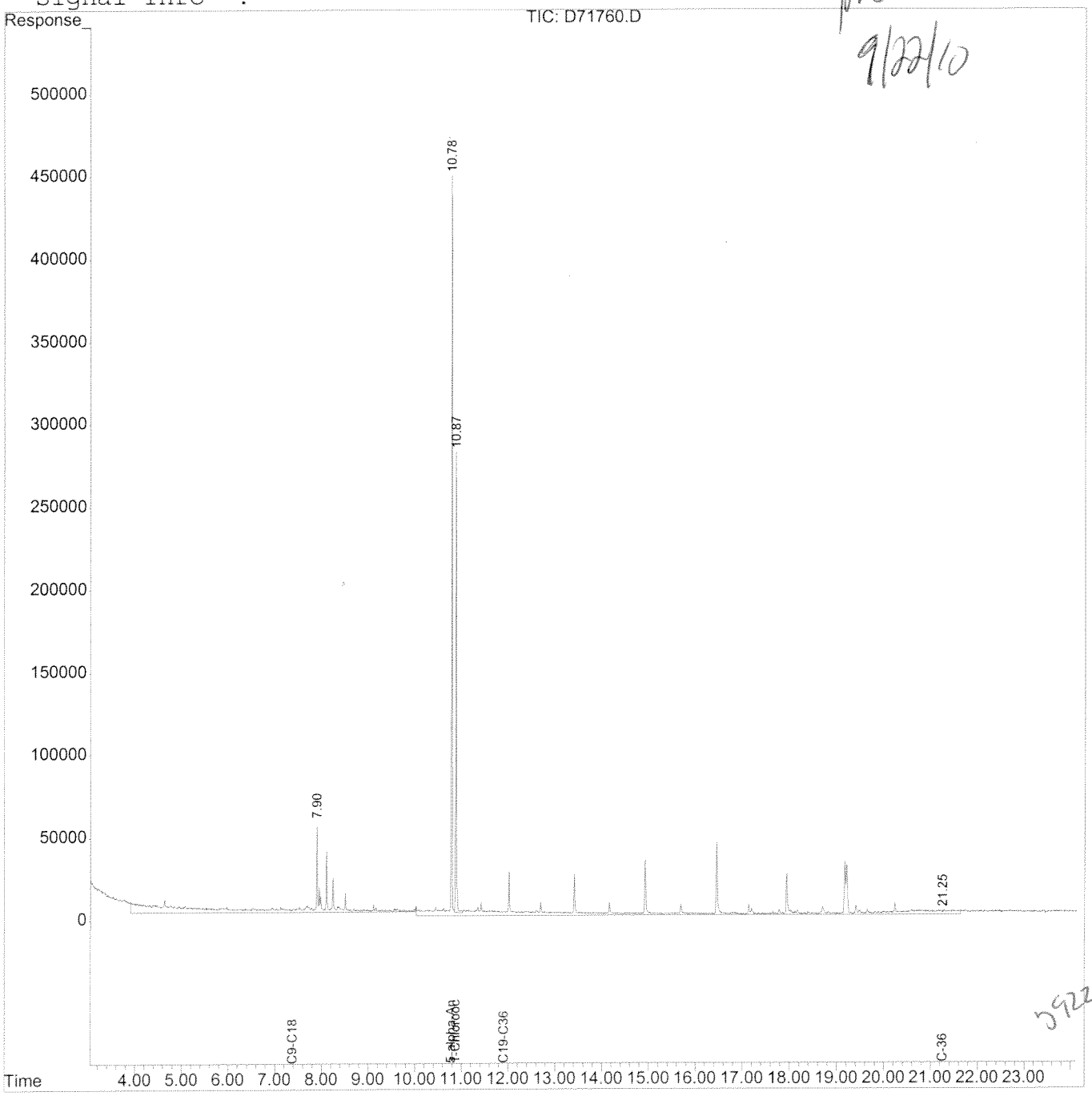
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71760.D Vial: 27
Acq On : 21 Sep 2010 11:38 pm Operator: AR
Sample : 67833-8 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV
9/22/10



D92210

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-09

SAMPLE DATA

Lab Sample ID: 67833-9
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29900	µg/kg	U
Diesel PAH Analytes	Naphthalene	299	µg/kg	U
	2-Methylnaphthalene	299	µg/kg	U
	Phenanthrene	299	µg/kg	U
	Acenaphthene	299	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	299	µg/kg	U
	Fluorene	299	µg/kg	U
	Anthracene	299	µg/kg	U
	Fluoranthene	299	µg/kg	U
	Pyrene	299	µg/kg	U
	Benzo[a]anthracene	299	µg/kg	U
	Chrysene	299	µg/kg	U
	Benzo[b]fluoranthene	299	µg/kg	U
	Benzo[k]fluoranthene	299	µg/kg	U
	Benzo[a]pyrene	299	µg/kg	U
	Indeno[1,2,3-cd]pyrene	299	µg/kg	U
	Dibenzo[a,h]anthracene	299	µg/kg	U
	Benzo[g,h,i]perylene	299	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		29900	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29900	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29900	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				58
Aromatic Surrogate % Recovery (O-Terphenyl)				71
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				84
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				82
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mahlell

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67833-9

J92210

Dilution Factors	ARO 1.121241		ALI 1.1212412
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		29900
Naphthalene	U		299
2-Methylnaphthalene	U		299
Phenanthrene	U		299
Acenaphthene	U		299
Acenaphthylene	U		299
Fluorene	U		299
Anthracene	U		299
Fluoranthene	U		299
Pyrene	U		299
Benzo[a]anthracene	U		299
Chrysene	U		299
Benzo[b] fluoranthene	U		299
Benzo[k] fluoranthene	U		299
Benzo[a] pyrene	U		299
Indeno [1,2,3-cd] pyrene	U		299
Dibenz [a,h] anthracene	U		299
Benzo(g,h,i) perylene	U		299
C9-C18 Aliphatics	U		29900
C19-C36 Aliphatics	U		29900
C11-C22 Aromatics	U		29900
1-Chlorooctadecane (Ali)	58%	40-140%	PASS
o-terphenyl (Aro)	71%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	84%	40-140%	PASS
2-Bromonaphthalene (Fraction)	82%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35948.D	---------
Date Acquired	9/22/2010 11:20	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.23**	15.23
% Solid (divided by 100)	**0.8784**	0.8784
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	149.4988	149.4988

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-149	Quadratic
2-Methylnaphthalene	-1.00	-149	Quadratic
Acenaphthylene	-1.00	-149	Quadratic
Acenaphthene	-1.00	-149	Quadratic
Fluorene	-1.00	-149	Quadratic
Phenanthrene	-1.00	-149	Quadratic
Anthracene	-1.00	-149	Quadratic
Fluoranthene	-1.00	-149	Quadratic
Pyrene	-1.00	-149	Quadratic
Benzo[a]anthracene	0.01	1	Avg RF
Chrysene	0.00	1	Avg RF
Benzo[b] fluoranthene	0.01	1	Avg RF
Benzo[k] fluoranthene	0.00	0	Avg RF
Benzo[a] pyrene	0.01	1	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.00	0	Avg RF
C11-C22	**31.648**	1193	
ARO Hexane Blank	**23.671**		
Adjusted C11-C22		2533	
ALIPHATICS			
C9-C18	**19.148**	-168	
C9-C18 Hexane Blank	**20.274**		
C19-C36	**32.507**	181	
C19-C36 Hexane Blank	**31.299**		
Surrogates			
1-Chlorooctadecane (Ali)	**11.668**	58%	
2-Fluorobiphenyl (Fraction)	16.86	84%	
2-Bromonaphthalene (Fraction)	16.40	82%	
o-terphenyl (Aro)	14.11	71%	

9/13/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35948.D
Acq On : 22 Sep 2010 11:20 am
Operator : AR/MG
Sample : 67833-9
Misc : SOIL,ARO
ALS Vial : 29 Sample Multiplier: 1

J92210

Quant Time: Sep 22 12:01:10 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	88512	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	564572	16.86 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	84.30%	84
10) 2-Bromonaphthalene	5.961	206	251162	16.40 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	82.00%	82
11) o-terphenyl	7.480	230	378158	14.11 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	70.55%	70

Target Compounds						Qvalue
2) Naphthalene	4.561	128	2926	Below Cal	#	85
3) 2-Methylnaphthalene	5.202	141	201	Below Cal		87
4) Acenaphthylene	5.849	152	249	Below Cal	#	72
5) Acenaphthene	5.997	154	83	Below Cal	#	65
6) Fluorene	6.406	166	101	Below Cal	#	27
7) Phenanthrene	7.180	178	619	Below Cal	#	79
8) Anthracene	7.213	178	43	Below Cal	#	1
12) Fluoranthene	8.145	202	984	Below Cal	#	55
13) Pyrene	8.337	202	1014	Below Cal	#	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

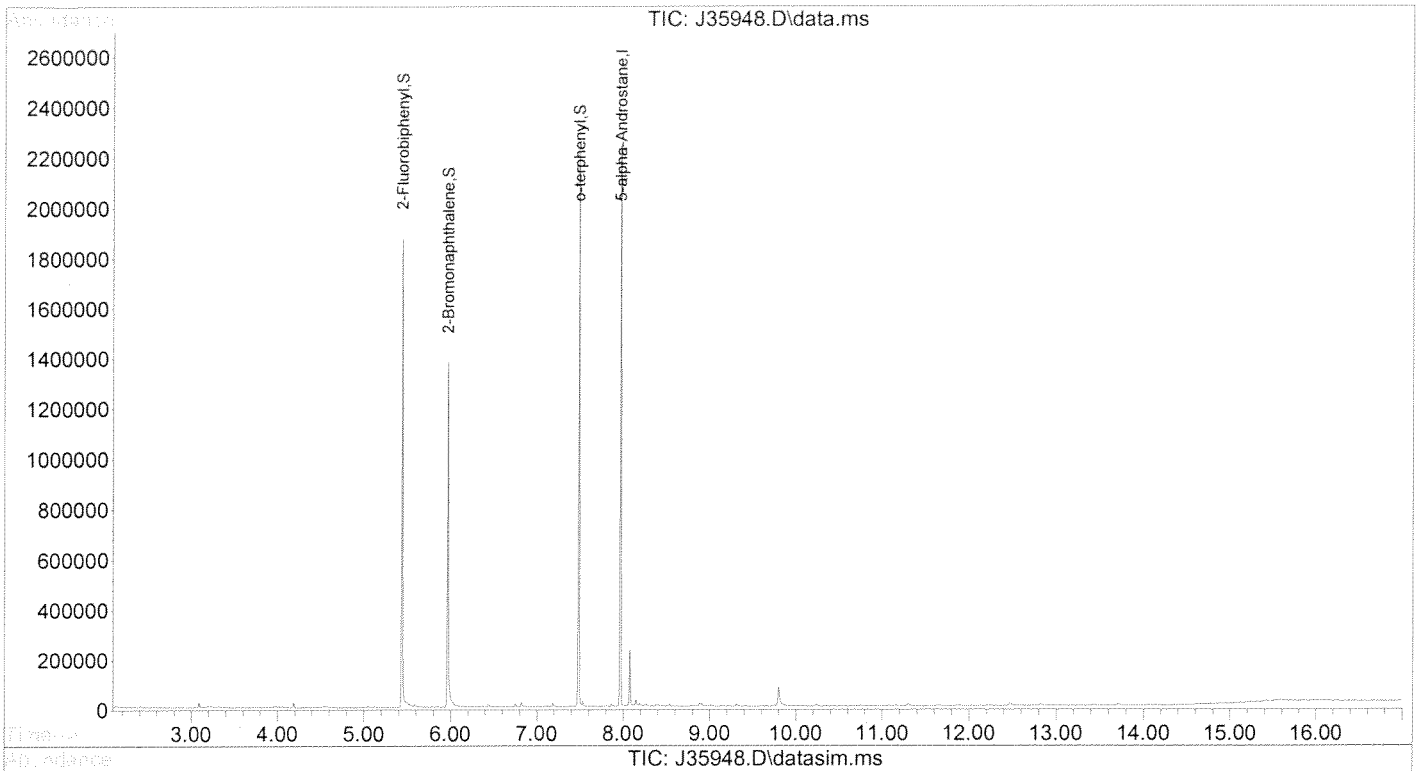
9/23/10

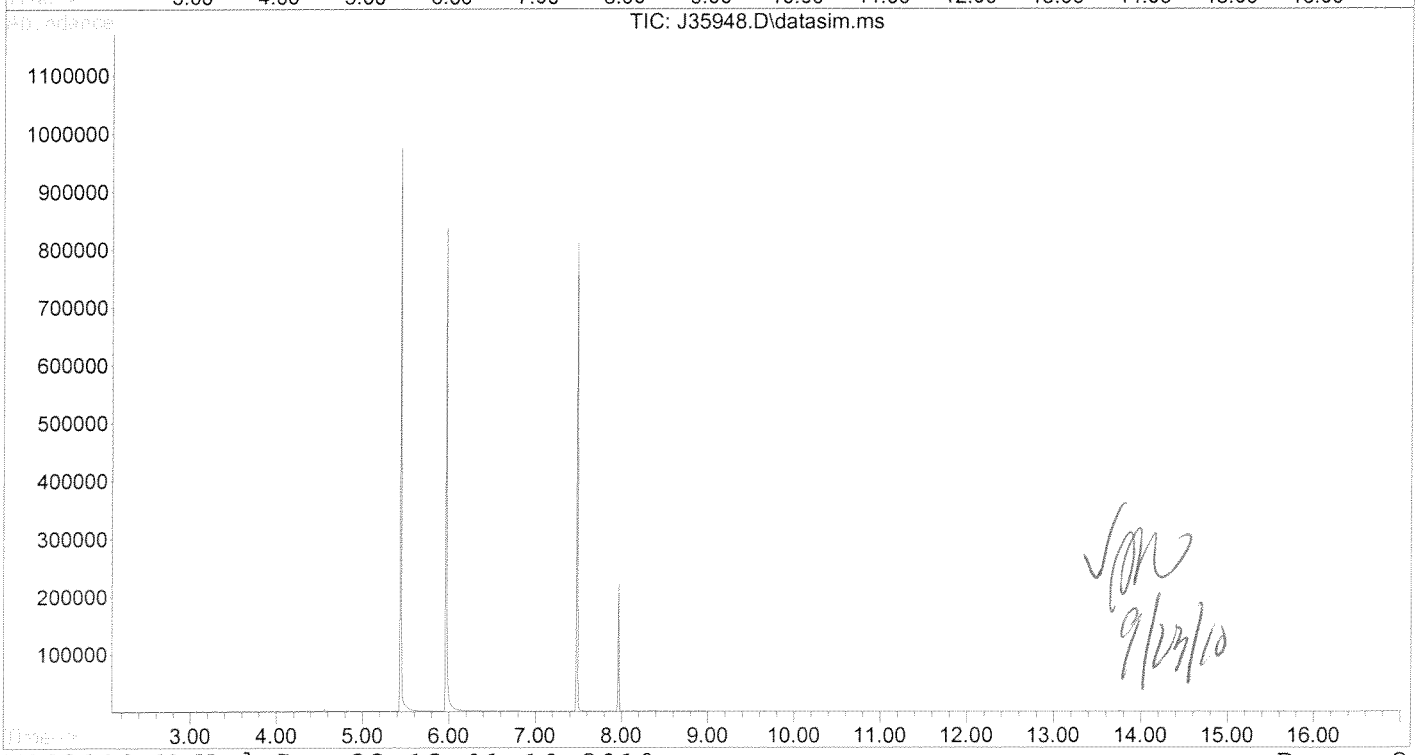
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35948.D
Acq On : 22 Sep 2010 11:20 am
Operator : AR/MG
Sample : 67833-9
Misc : SOIL,ARO
ALS Vial : 29 Sample Multiplier: 1

J92210

Quant Time: Sep 22 12:01:10 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35948.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 11:20 am
Operator : AR/MG
Sample : 67833-9
Misc : SOIL,ARO
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 12:06:36 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J12210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	19979055	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	16056780	16.572 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	82.86%
10) S 2-Bromonaphthalene	5.965	13435209	17.767 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	88.83%
11) S o-terphenyl	7.481	17509776	14.299 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	71.50%
Target Compounds			
5) TZ Acenaphthene	5.965f	13435209	12.501 ug/ml
14) TZ Benzo[a]anthracene	9.614	29689	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.107	28931	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.586	13896	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.321	35020	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.420	98524	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.802	43862	<MDL ug/ml
22) XH c11-c22	12.565	31172880	31.648 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

23.671

9/23/10

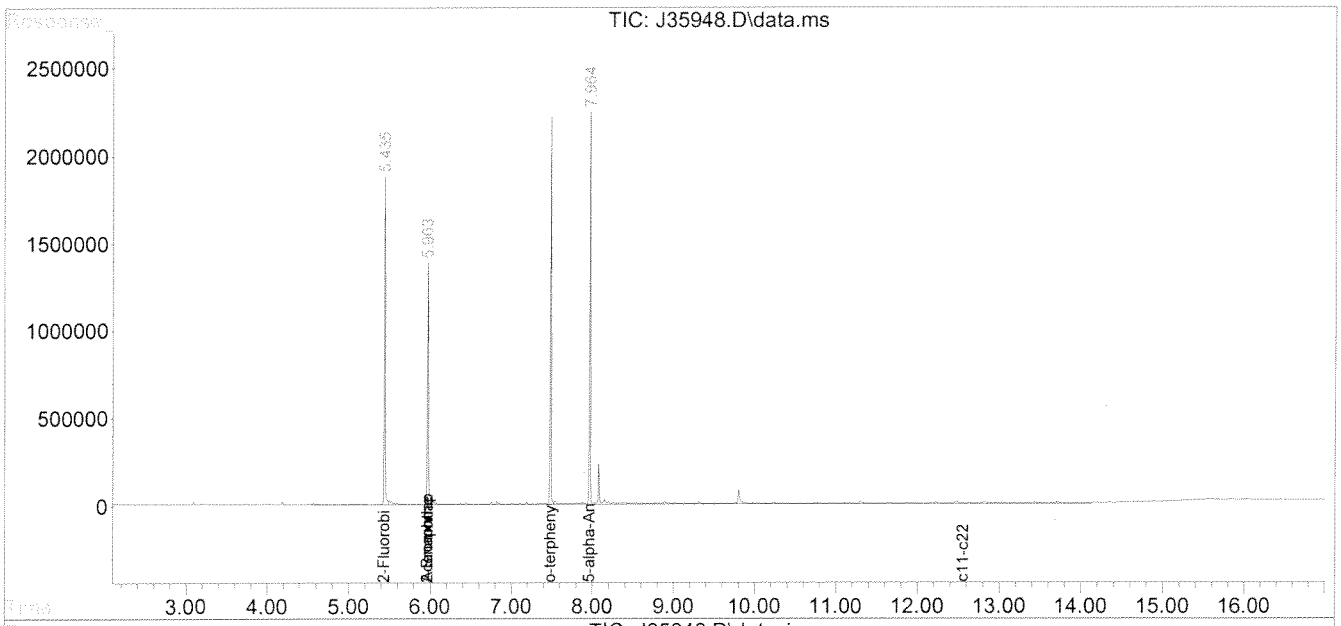
Quantitation Report (Not Reviewed)

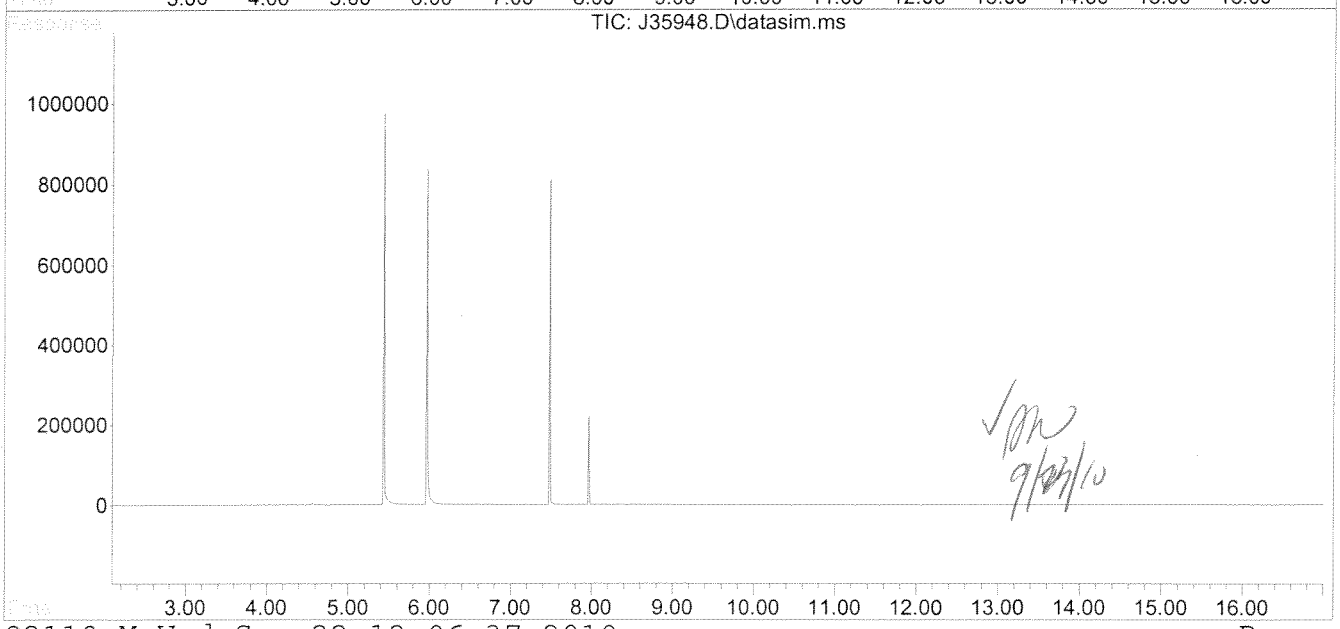
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35948.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 11:20 am
Operator : AR/MG
Sample : 67833-9
Misc : SOIL,ARO
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 12:06:36 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J42210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





✓ 9/23/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71761.D Vial: 28
Acq On : 22 Sep 2010 12:08 am Operator: AR
Sample : 67833-9 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

MN 9/22/10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5493424	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	3933550	11.668 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	58.34%
Target Compounds			
2) TZM C-9	3.97	29740	<MDL ug/ml
3) TZM C-10	5.05	24423	<MDL ug/ml
4) TZM C-12	6.46	16203	<MDL ug/ml
5) TZM C-14	7.69	40650	<MDL ug/ml
6) TZM C-16	8.70	63316	<MDL ug/ml
7) TZM C-18	9.57	113225	<MDL ug/ml
8) XH C9-C18	7.38	6984615	19.148 ug/ml
9) TZM C-19	9.98	194265	<MDL ug/ml
10) TZM C-20	10.45	55031	<MDL ug/ml
12) TZM C-22	11.42	106310	<MDL ug/ml
13) TZM C-24	12.70	141103	<MDL ug/ml
14) TZM C-26	14.16	90980	<MDL ug/ml
15) TZM C-28	15.69	79347	<MDL ug/ml
16) TZM C-30	17.20	42604	<MDL ug/ml
17) TZM C-36	21.28	23911	4.164 ug/ml
18) XH C19-C36	11.90	9838242	32.507 ug/ml

20.274/31.299

592210

(f)=RT Delta > 1/2 Window (m)=manual int.

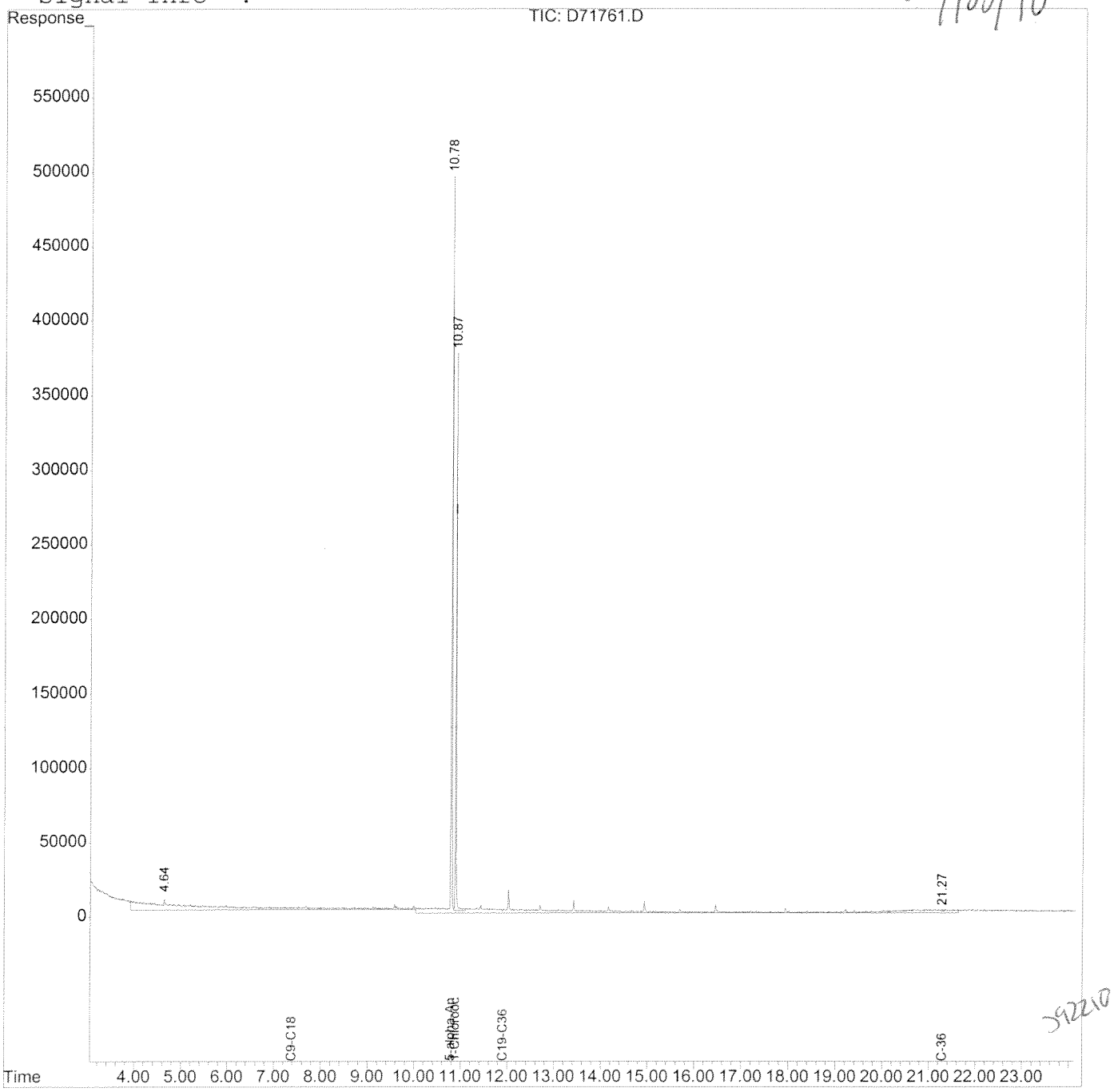
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71761.D Vial: 28
Acq On : 22 Sep 2010 12:08 am Operator: AR
Sample : 67833-9 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/22/10



392210

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-10

SAMPLE DATA

Lab Sample ID: 67833-10
Matrix: Solid
Percent Solid: 84
Dilution Factor: 1.2
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		31400	µg/kg	U
Diesel PAH Analytes	Naphthalene	314	µg/kg	U
	2-Methylnaphthalene	314	µg/kg	U
	Phenanthrene	314	µg/kg	U
	Acenaphthene	314	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	314	µg/kg	U
	Fluorene	314	µg/kg	U
	Anthracene	314	µg/kg	U
	Fluoranthene	314	µg/kg	U
	Pyrene	314	µg/kg	U
	Benzo[a]anthracene	314	µg/kg	U
	Chrysene	314	µg/kg	U
	Benzo[b]fluoranthene	314	µg/kg	U
	Benzo[k]fluoranthene	314	µg/kg	U
	Benzo[a]pyrene	314	µg/kg	U
	Indeno[1,2,3-cd]pyrene	314	µg/kg	U
	Dibenzo[a,h]anthracene	314	µg/kg	U
	Benzo[g,h,i]perylene	314	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		31400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		31400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		31400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				52
Aromatic Surrogate % Recovery (O-Terphenyl)				62
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				76
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				73
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mark Hull

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67833-10

Dilution Factors	ARO	1.174739		ALI 1.1747389
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics		U		31326
Naphthalene		U		313
2-Methylnaphthalene		U		313
Phenanthrene		U		313
Acenaphthene		U		313
Acenaphthylene		U		313
Fluorene		U		313
Anthracene		U		313
Fluoranthene		U		313
Pyrene		U		313
Benzo[a]anthracene		U		313
Chrysene		U		313
Benzo[b] fluoranthene		U		313
Benzo[k] fluoranthene		U		313
Benzo[a] pyrene		U		313
Indeno [1,2,3-cd] pyrene		U		313
Dibenz [a,h] anthracene		U		313
Benzo(g,h,i) perylene		U		313
C9-C18 Aliphatics		U		31326
C19-C36 Aliphatics		U		31326
C11-C22 Aromatics		U		31326
1-Chlorooctadecane (Ali)		52%	40-140%	PASS
o-terphenyl (Aro)		62%	40-140%	PASS
2-Fluorobiphenyl (Fraction)		76%	40-140%	PASS
2-Bromonaphthalene (Fraction)		73%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35949.D	---------
Date Acquired	9/22/2010 11:43	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.21**	15.21
% Solid (divided by 100)	**0.8395**	0.8395
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	156.6319	156.6319

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	0.19	30	Quadratic
2-Methylnaphthalene	0.99	156	Quadratic
Acenaphthylene	-1.00	-157	Quadratic
Acenaphthene	-1.00	-157	Quadratic
Fluorene	-1.00	-157	Quadratic
Phenanthrene	-1.00	-157	Quadratic
Anthracene	-1.00	-157	Quadratic
Fluoranthene	-1.00	-157	Quadratic
Pyrene	-1.00	-157	Quadratic
Benzo[a]anthracene	0.01	1	Avg RF
Chrysene	0.01	1	Avg RF
Benzo[b] fluoranthene	0.00	1	Avg RF
Benzo[k] fluoranthene	0.00	1	Avg RF
Benzo[a] pyrene	0.00	1	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.00	1	Avg RF
C11-C22	**62.332**	6056	
ARO Hexane Blank	**23.671**		
Adjusted C11-C22		6961	
ALIPHATICS			
C9-C18	**45.708**	3984	
C9-C18 Hexane Blank	**20.274**		
C19-C36	**37.213**	926	
C19-C36 Hexane Blank	**31.299**		
Surrogates			
1-Chlorooctadecane (Ali)	**10.496**	52%	
2-Fluorobiphenyl (Fraction)	15.19	76%	
2-Bromonaphthalene (Fraction)	14.63	73%	
o-terphenyl (Aro)	12.45	62%	

9/23/10

Quantitation Report (Not Reviewed)

Q

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35949.D
Acq On : 22 Sep 2010 11:43 am
Operator : AR/MG
Sample : 67833-10
Misc : SOIL,ARO
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 22 12:04:59 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J92210

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	95096	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	546260	15.19 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	75.95%	76
10) 2-Bromonaphthalene	5.961	206	240651	14.63 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	73.15%	73
11) o-terphenyl	7.480	230	358566	12.45 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	62.25%	62

Target Compounds					Qvalue
4) Acenaphthylene	5.855	152	1258	Below Cal #	22
5) Acenaphthene	5.991	154	1947	Below Cal #	66
6) Fluorene	6.412	166	2608	Below Cal	88
7) Phenanthrene	7.185	178	1214	Below Cal #	87
8) Anthracene	7.185	178	1240	Below Cal #	87
12) Fluoranthene	8.140	202	795	Below Cal #	57
13) Pyrene	8.332	202	1106	Below Cal #	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

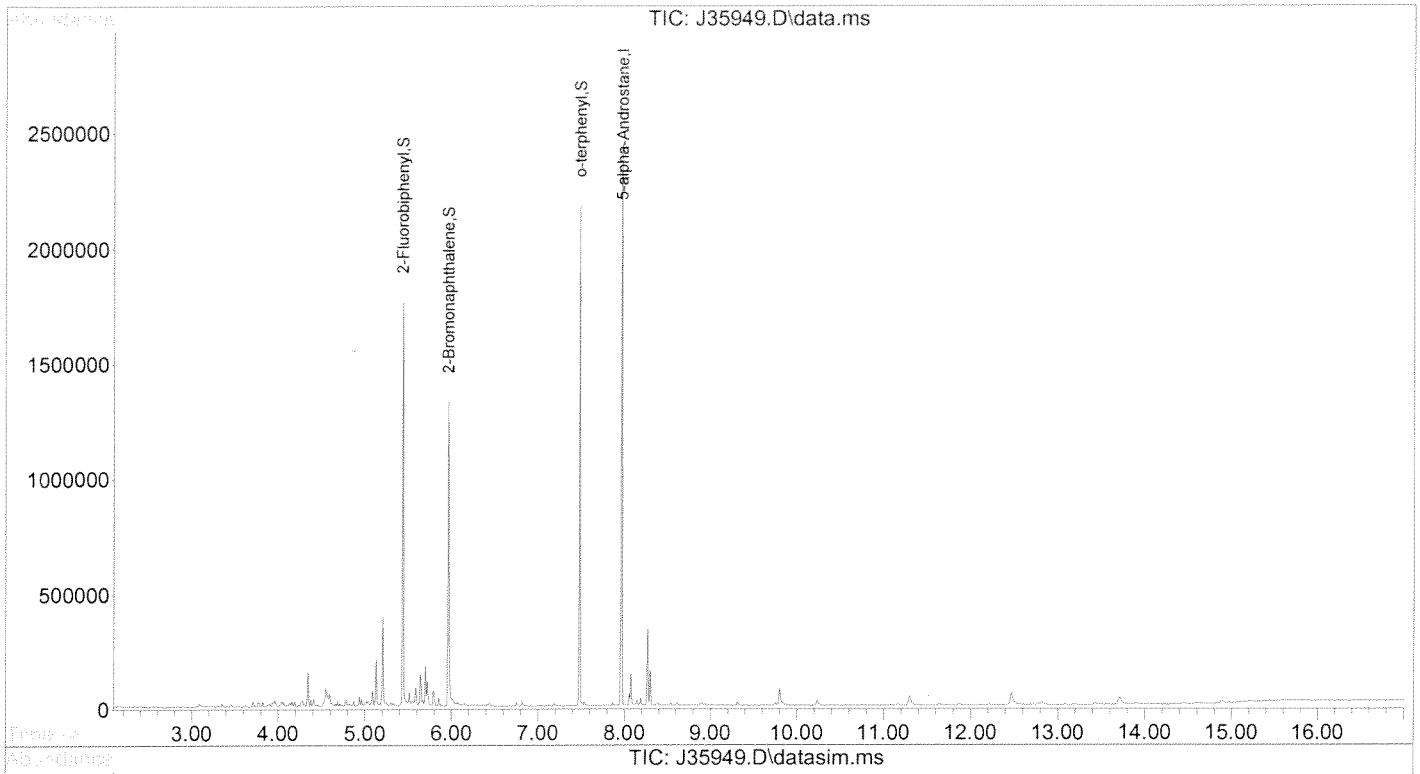
9/23/10

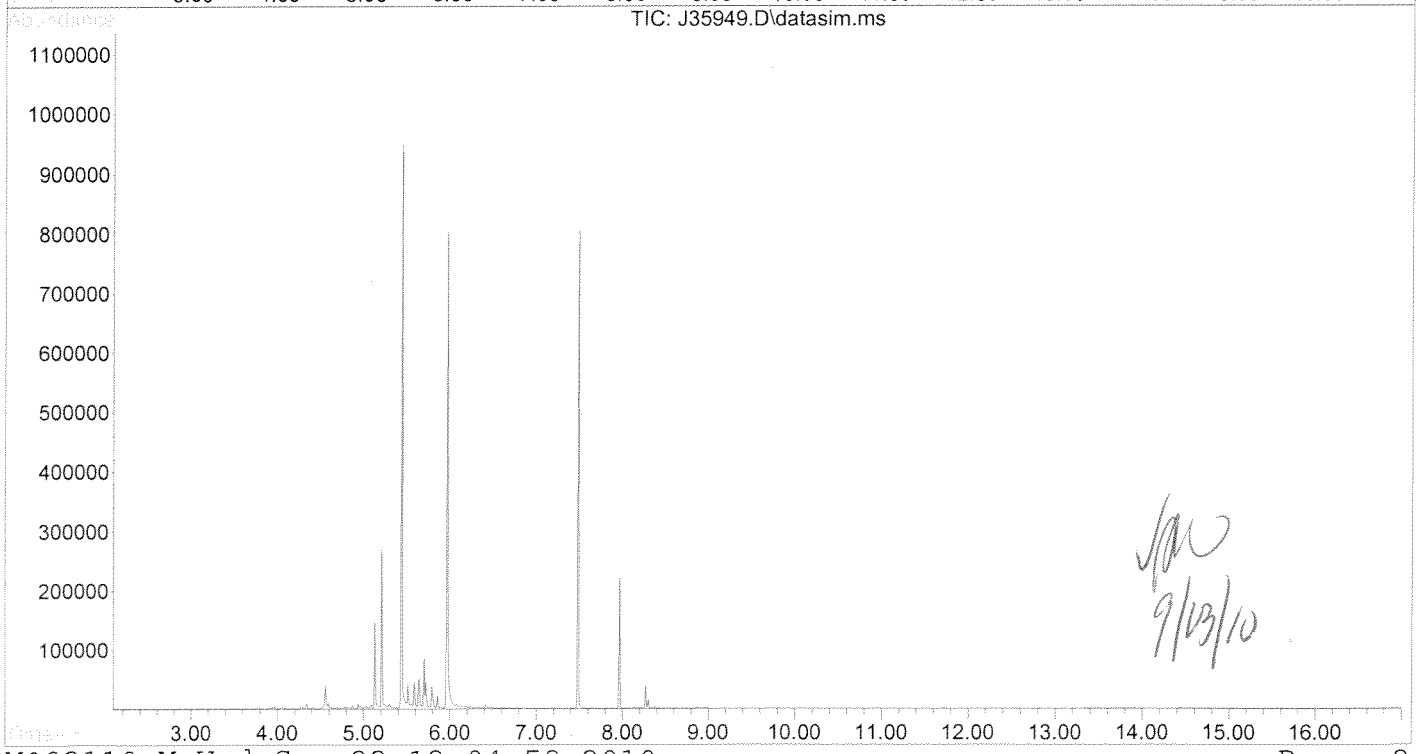
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35949.D
Acq On : 22 Sep 2010 11:43 am
Operator : AR/MG
Sample : 67833-10
Misc : SOIL,ARO
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 22 12:04:59 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

092210





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35949.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 11:43 am
Operator : AR/MG
Sample : 67833-10
Misc : SOIL,ARO
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 12:06:38 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	20949889	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	16138503	15.806 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.03%
10) S 2-Bromonaphthalene	5.965	13200706	16.648 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	83.24%
11) S o-terphenyl	7.481	16835738	12.939 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.70%
Target Compounds			
2) TZ Naphthalene	4.554	1791496	1.305 ug/ml
3) TZ 2-Methylnaphthalene	5.131	1988401	1.329 ug/ml
5) TZ Acenaphthene	5.965f	13200706	11.606 ug/ml
13) TZ Pyrene	8.302	1509325	<MDL ug/ml
14) TZ Benzo[a]anthracene	9.591	130397	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.109	26798	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.596	7932	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.361	13603	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.421	127468	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.713	1156038	1.287 ug/ml
22) XH c11-c22	12.565	64380167	62.332 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

342210

23.671

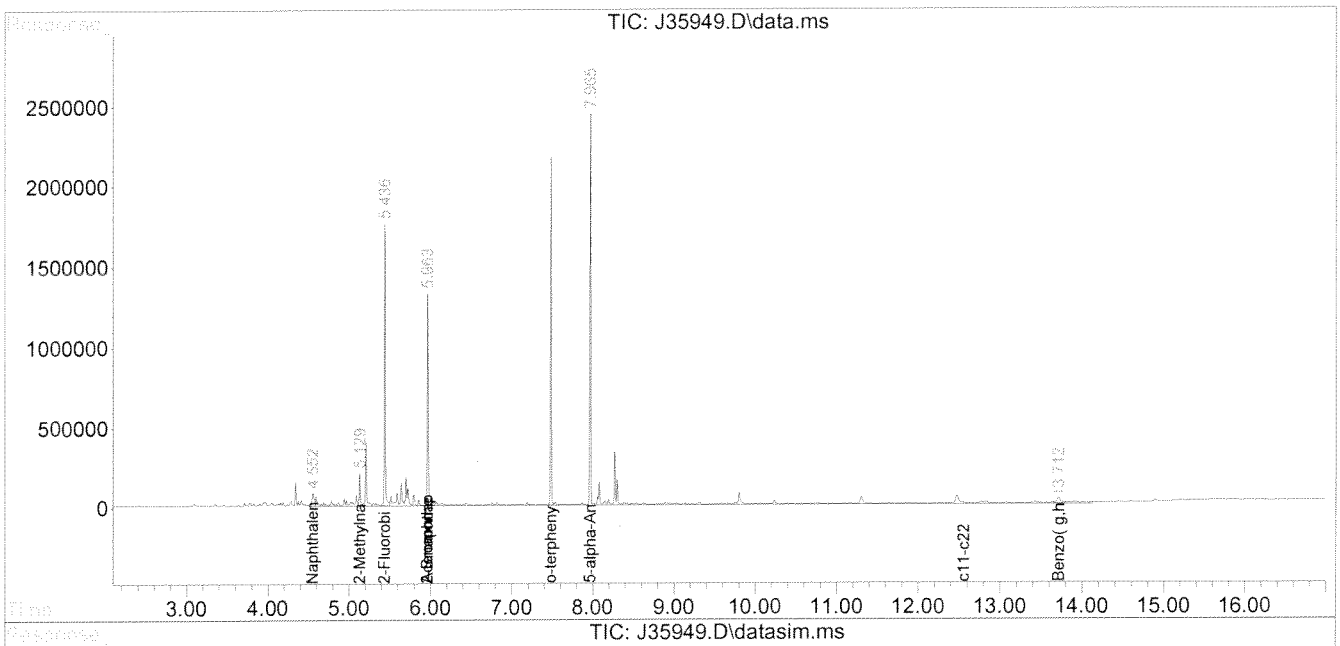
9/23/10

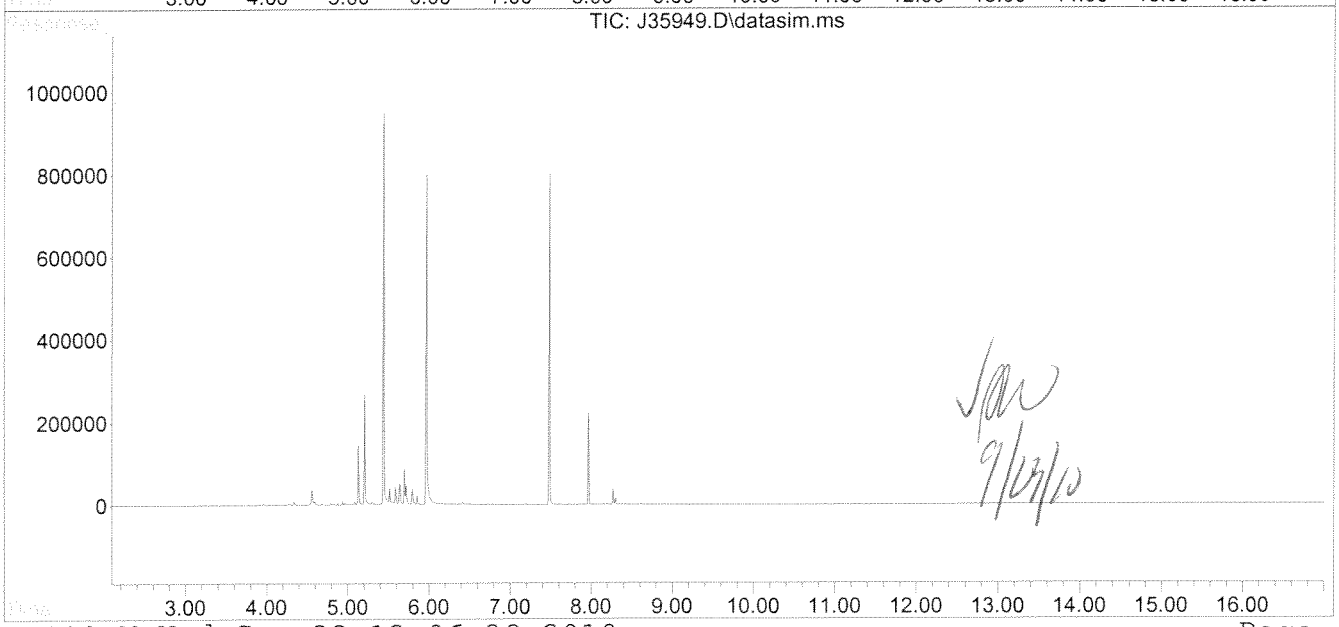
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35949.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 11:43 am
Operator : AR/MG
Sample : 67833-10
Misc : SOIL,ARO
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 12:06:38 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092210

9/23/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71762.D Vial: 29
Acq On : 22 Sep 2010 12:38 am Operator: AR
Sample : 67833-10 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV 9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5503412	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	3544754	10.496 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	52.48%
Target Compounds			
2) TZM C-9	3.99	244723	<MDL ug/ml
3) TZM C-10	5.03	224766	<MDL ug/ml
4) TZM C-12	6.50	132798	<MDL ug/ml
5) TZM C-14	7.67	78369	<MDL ug/ml
6) TZM C-16	8.69	35613	<MDL ug/ml
7) TZM C-18	9.60	56103	<MDL ug/ml
8) XH C9-C18	7.38	16702860	45.708 ug/ml
9) TZM C-19	10.02	58850	<MDL ug/ml
10) TZM C-20	10.45	39588	<MDL ug/ml
12) TZM C-22	11.42	95236	<MDL ug/ml
13) TZM C-24	12.73	22057	<MDL ug/ml
14) TZM C-26	14.16	111653	<MDL ug/ml
15) TZM C-28	15.69	83371	<MDL ug/ml
16) TZM C-30	17.19	42593	<MDL ug/ml
17) TZM C-36	21.30	45712	4.271 ug/ml
18) XH C19-C36	11.90	11283102	37.213 ug/ml

20.274/31.299

9/22/10

(f)=RT Delta > 1/2 Window (m)=manual int.

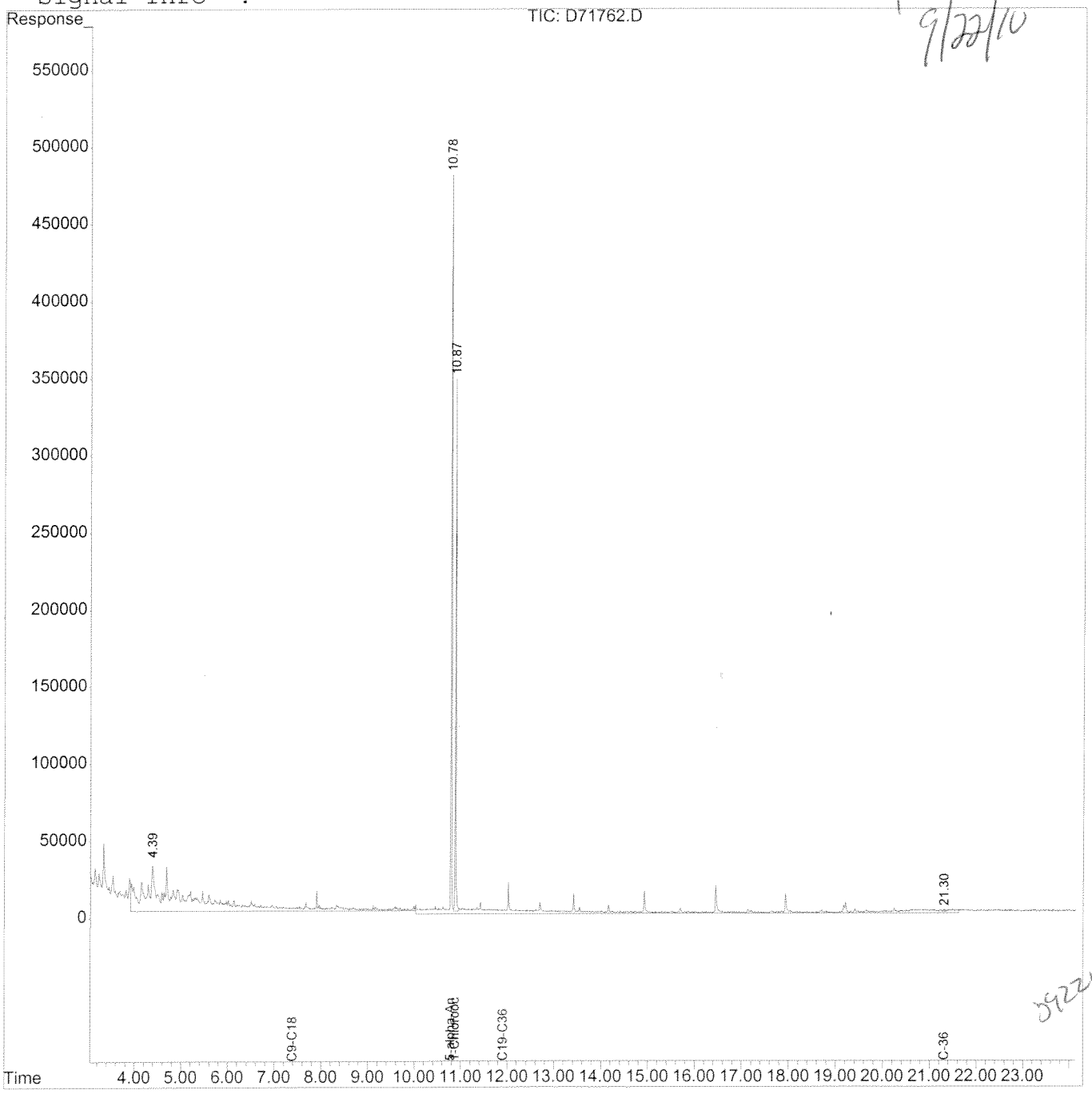
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092010-D\D71762.D Vial: 29
Acq On : 22 Sep 2010 12:38 am Operator: AR
Sample : 67833-10 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MC 9/22/10



092210

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-11

SAMPLE DATA

Lab Sample ID: 67833-11
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29000	µg/kg	U
Diesel PAH Analytes	Naphthalene	290	µg/kg	U
	2-Methylnaphthalene	290	µg/kg	U
	Phenanthrene	290	µg/kg	U
	Acenaphthene	290	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	290	µg/kg	U
	Fluorene	290	µg/kg	U
	Anthracene	290	µg/kg	U
	Fluoranthene	290	µg/kg	U
	Pyrene	290	µg/kg	U
	Benzo[a]anthracene	290	µg/kg	U
	Chrysene	290	µg/kg	U
	Benzo[b]fluoranthene	290	µg/kg	U
	Benzo[k]fluoranthene	290	µg/kg	U
	Benzo[a]pyrene	290	µg/kg	U
	Indeno[1,2,3-cd]pyrene	290	µg/kg	U
	Dibenzo[a,h]anthracene	290	µg/kg	U
	Benzo[g,h,i]perylene	290	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		29000	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29000	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				61
Aromatic Surrogate % Recovery (O-Terphenyl)				71
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				88
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				83
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67833-11

Dilution Factors	ARO	1.087002	ALI 1.0870019

	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		28987
Naphthalene	U		290
2-Methylnaphthalene	U		290
Phenanthrene	U		290
Acenaphthene	U		290
Acenaphthylene	U		290
Fluorene	U		290
Anthracene	U		290
Fluoranthene	U		290
Pyrene	U		290
Benzo[a]anthracene	U		290
Chrysene	U		290
Benzo[b] fluoranthene	U		290
Benzo[k] fluoranthene	U		290
Benzo[a] pyrene	U		290
Indeno [1,2,3-cd] pyrene	U		290
Dibenz [a,h] anthracene	U		290
Benzo(g,h,i) perylene	U		290
C9-C18 Aliphatics	U		28987
C19-C36 Aliphatics	U		28987
C11-C22 Aromatics	U		28987
1-Chlorooctadecane (Ali)	61%	40-140%	PASS
o-terphenyl (Aro)	71%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	88%	40-140%	PASS
2-Bromonaphthalene (Fraction)	83%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35950.D	---------
Date Acquired	9/22/2010 12:07	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.36**	15.36
% Solid (divided by 100)	**0.8984**	0.8984
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	144.9336	144.9336

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-145	Quadratic
2-Methylnaphthalene	-1.00	-145	Quadratic
Acenaphthylene	-1.00	-145	Quadratic
Acenaphthene	-1.00	-145	Quadratic
Fluorene	-1.00	-145	Quadratic
Phenanthrene	-1.00	-145	Quadratic
Anthracene	-1.00	-145	Quadratic
Fluoranthene	-1.00	-145	Quadratic
Pyrene	-1.00	-145	Quadratic
Benzo[a]anthracene	0.02	4	Avg RF
Chrysene	0.04	5	Avg RF
Benzo[b] fluoranthene	0.05	7	Avg RF
Benzo[k] fluoranthene	0.03	4	Avg RF
Benzo[a] pyrene	0.02	3	Avg RF
Indeno [1,2,3-cd] pyrene	0.02	2	Avg RF
Dibenz [a,h] anthracene	0.00	1	Avg RF
Benzo(g,h,i) perylene	0.01	2	Avg RF
C11-C22	**49.550**	3751	
ARO Hexane Blank	**23.671**		
Adjusted C11-C22		5028	
ALIPHATICS			
C9-C18	**21.316**	113	
C9-C18 Hexane Blank	**20.535**		
C19-C36	**40.477**	1056	
C19-C36 Hexane Blank	**33.191**		
Surrogates			
1-Chlorooctadecane (Ali)	**12.213**	61%	
2-Fluorobiphenyl (Fraction)	17.57	88%	
2-Bromonaphthalene (Fraction)	16.67	83%	
o-terphenyl (Aro)	14.29	71%	

9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35950.D
Acq On : 22 Sep 2010 12:07 pm
Operator : AR/MG
Sample : 67833-11
Misc : SOIL,ARO
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 22 12:30:25 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J92210

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	84124	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	558946	17.57 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 87.85%		
10) 2-Bromonaphthalene	5.962	206	242574	16.67 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 83.35%		
11) o-terphenyl	7.480	230	364041	14.29 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 71.45%		

Target Compounds					Qvalue
2) Naphthalene	4.561	128	3135	~~Below Cal~~ #	92
3) 2-Methylnaphthalene	5.131	141	473	Below Cal #	58
4) Acenaphthylene	5.855	152	658	Below Cal #	90
5) Acenaphthene	5.991	154	492	Below Cal	86
6) Fluorene	6.412	166	461	Below Cal #	25
7) Phenanthrene	7.180	178	2086	Below Cal #	91
8) Anthracene	7.218	178	440	Below Cal #	62
12) Fluoranthene	8.136	202	3649	Below Cal #	70
13) Pyrene	8.328	202	3959	~~Below Cal~~	93

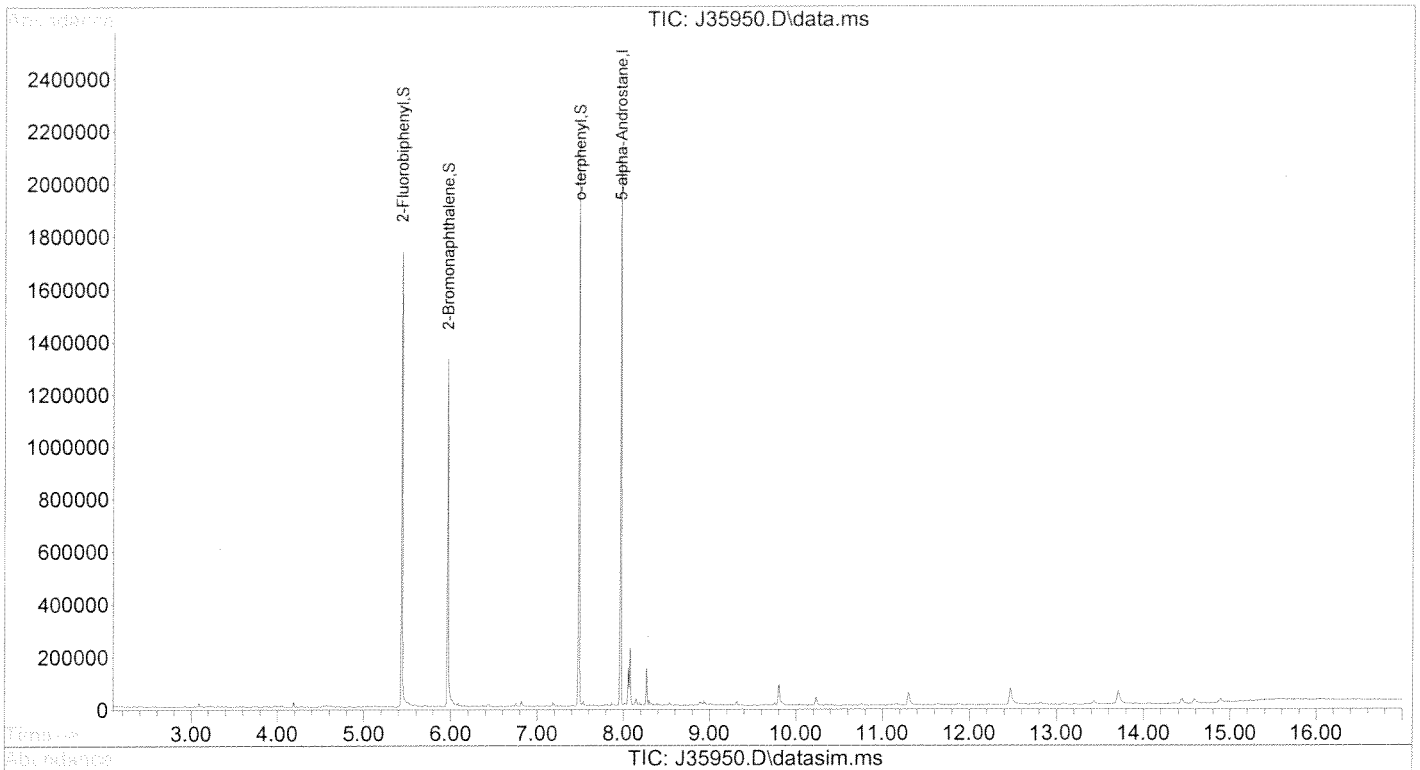
(#) = qualifier out of range (m) = manual integration (+) = signals summed

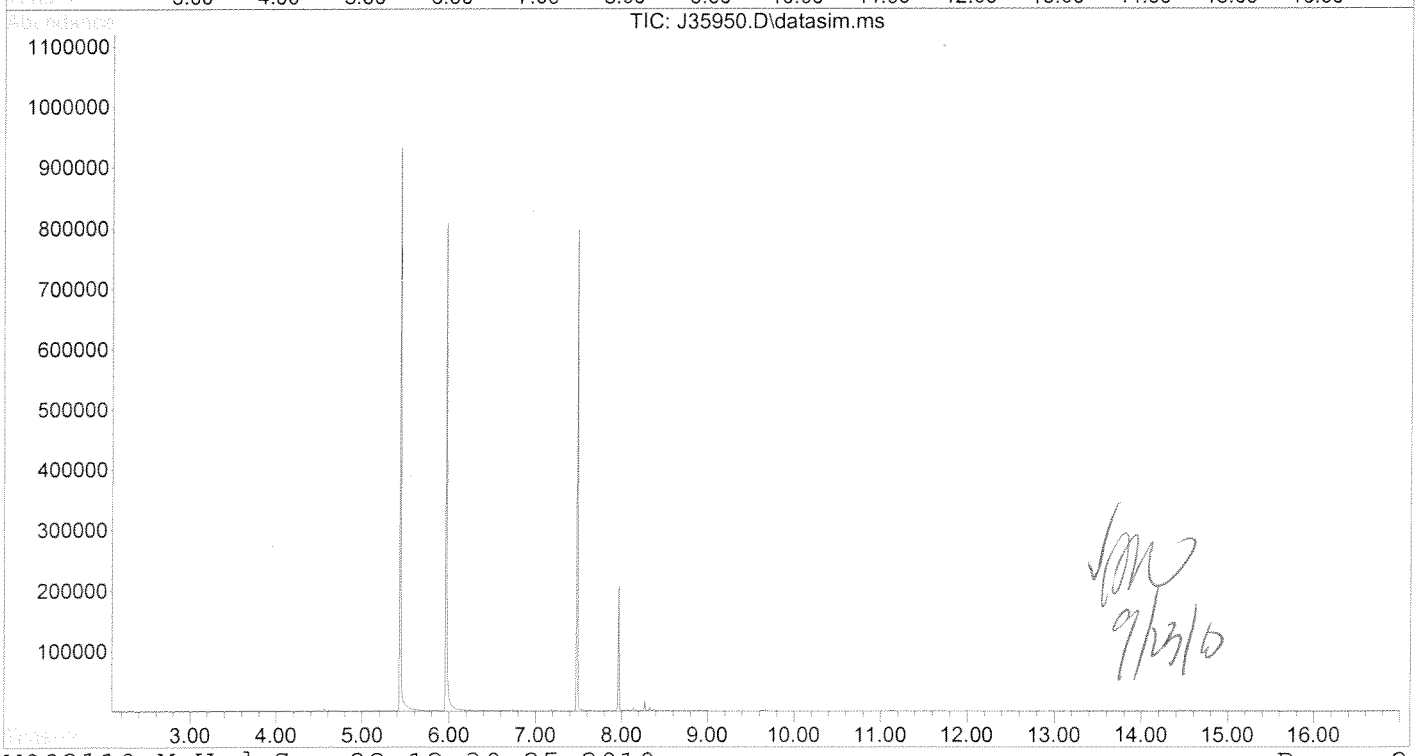
9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35950.D
Acq On : 22 Sep 2010 12:07 pm
Operator : AR/MG
Sample : 67833-11
Misc : SOIL,ARO
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 22 12:30:25 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35950.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 12:07 pm
Operator : AR/MG
Sample : 67833-11
Misc : SOIL,ARO
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 12:30:39 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	18654803	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	16040703	17.880 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	89.40%
10) S 2-Bromonaphthalene	5.965	12952854	18.345 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	91.72%
11) S o-terphenyl	7.482	16767596	14.726 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	73.63%
Target Compounds			
5) TZ Acenaphthene	5.965f	12952854	12.966 ug/ml
14) TZ Benzo[a]anthracene	9.598	80003	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.113	60819	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.599	38824	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.331	62920	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.434	399567	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.708	1650672	2.064 ug/ml
22) XH c11-c22	12.565	45571164	49.550 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

23.671

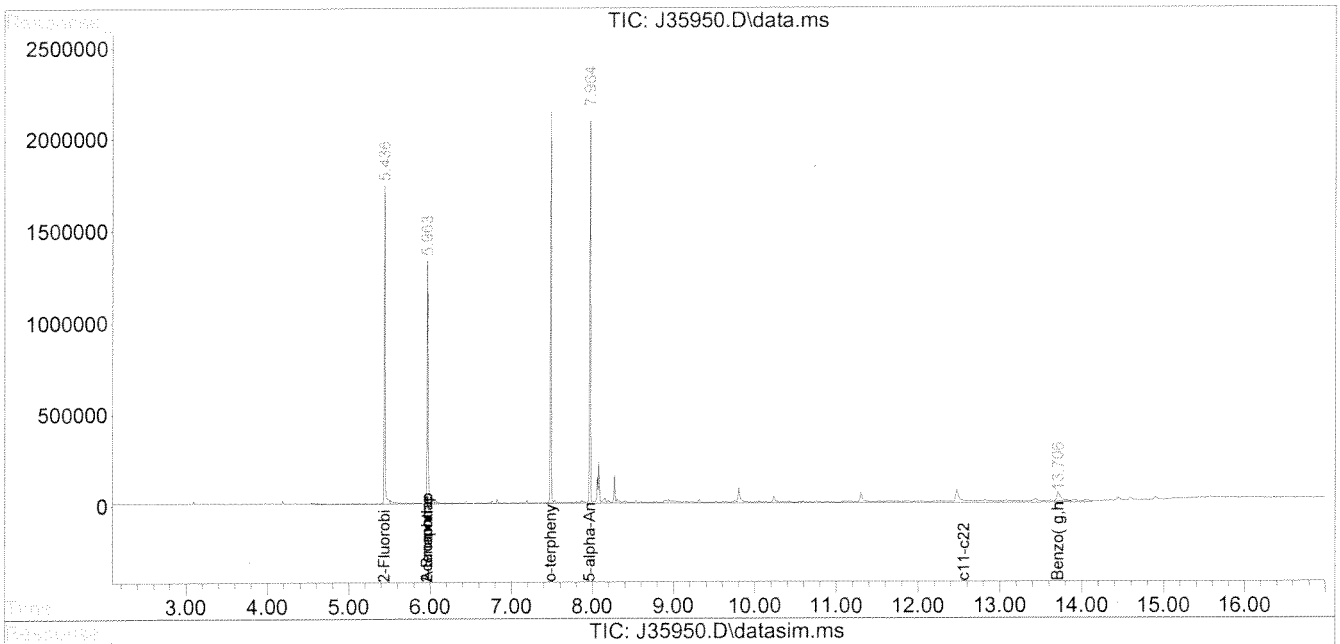
9/23/10

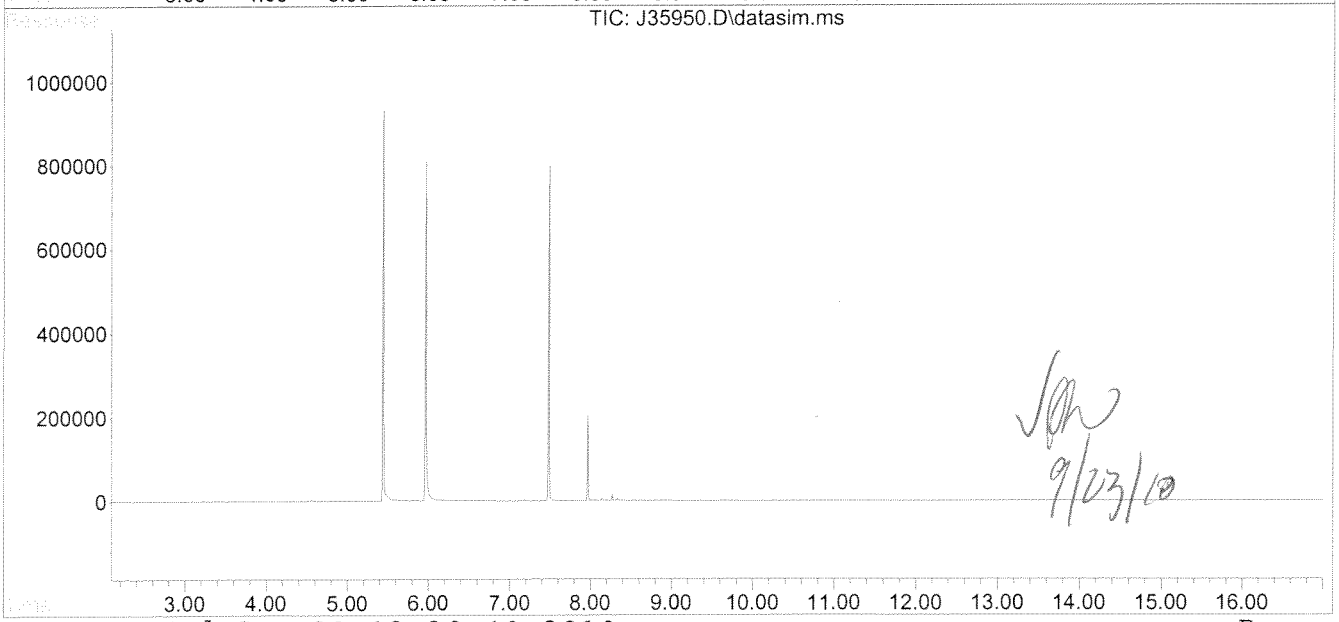
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35950.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 12:07 pm
Operator : AR/MG
Sample : 67833-11
Misc : SOIL,ARO
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 12:30:39 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71772.D Vial: 33
Acq On : 22 Sep 2010 5:39 am Operator: AR
Sample : 67833-11 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 8:53 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

SY2210

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5702745 ✓	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4273916	12.213 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	61.06% 61
Target Compounds			
2) TZM C-9	3.98	27995	<MDL ug/ml
3) TZM C-10	5.05	30280	<MDL ug/ml
4) TZM C-12	6.52	32342	<MDL ug/ml
5) TZM C-14	7.68	85936	<MDL ug/ml
6) TZM C-16	8.69	42110	<MDL ug/ml
7) TZM C-18	9.60	34960	<MDL ug/ml
8) XH C9-C18	7.38	8071508	21.316 ug/ml
9) TZM C-19	10.02	34997	<MDL ug/ml
10) TZM C-20	10.45	42545	<MDL ug/ml
12) TZM C-22	11.45	33631	<MDL ug/ml
13) TZM C-24	12.69	94078	<MDL ug/ml
14) TZM C-26	14.16	72293	<MDL ug/ml
15) TZM C-28	15.73	30505	<MDL ug/ml
16) TZM C-30	17.19	38717	<MDL ug/ml
17) TZM C-36	21.30	11146	4.099 ug/ml
18) XH C19-C36	11.90	12717179	40.477 ug/ml

20535/33.191

9/23/10

(f)=RT Delta > 1/2 Window (m)=manual int.

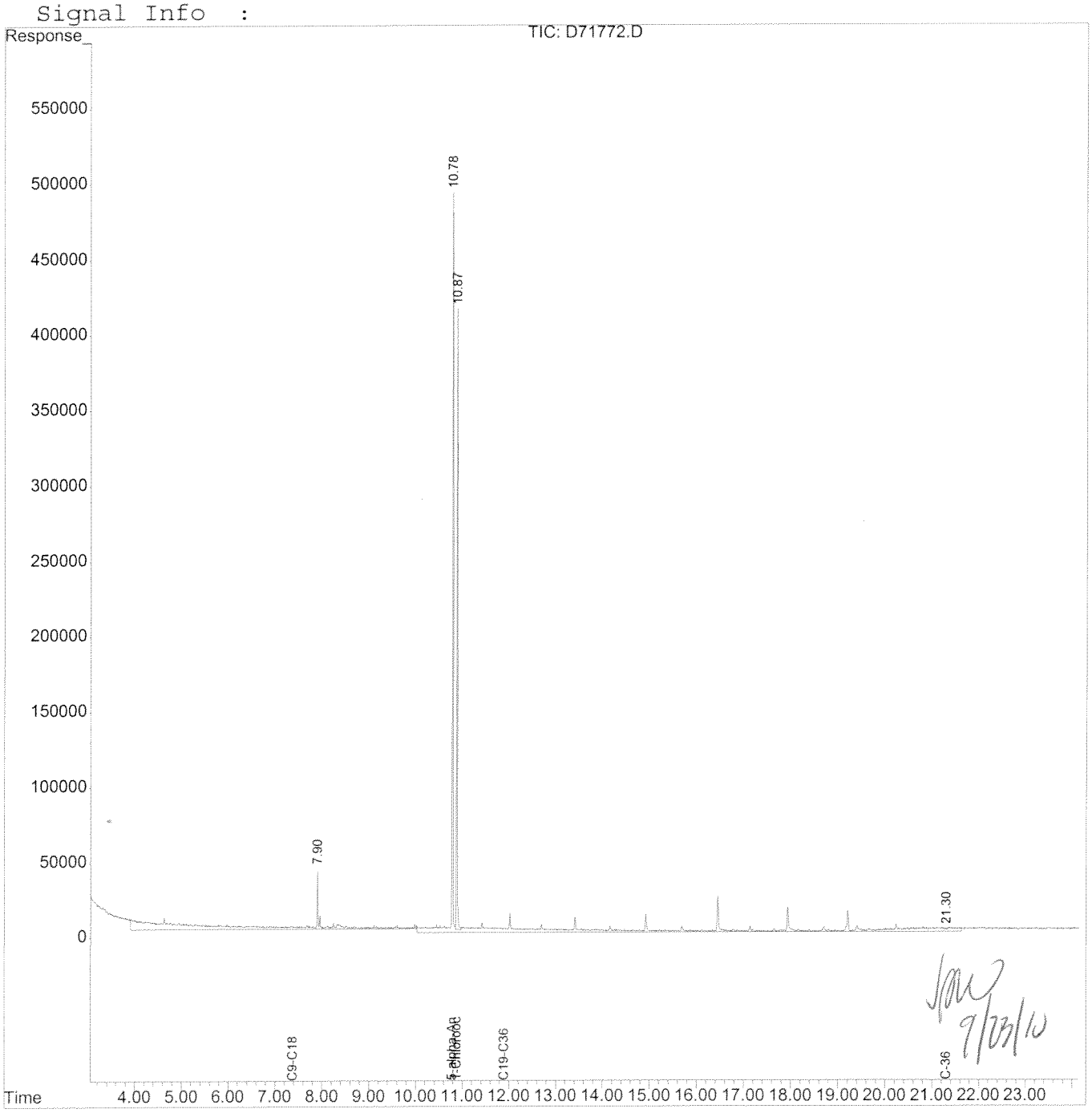
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71772.D Vial: 33
Acq On : 22 Sep 2010 5:39 am Operator: AR
Sample : 67833-11 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 8:53 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

9-22-10

Volume Inj. :
Signal Phase :
Signal Info :



9/23/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-12

SAMPLE DATA

Lab Sample ID: 67833-12
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		30100	µg/kg	U
Diesel PAH Analytes	Naphthalene	301	µg/kg	U
	2-Methylnaphthalene	301	µg/kg	U
	Phenanthrene	301	µg/kg	U
	Acenaphthene	301	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	301	µg/kg	U
	Fluorene	301	µg/kg	U
	Anthracene	301	µg/kg	U
	Fluoranthene	301	µg/kg	U
	Pyrene	301	µg/kg	U
	Benzo[a]anthracene	301	µg/kg	U
	Chrysene	301	µg/kg	U
	Benzo[b]fluoranthene	301	µg/kg	U
	Benzo[k]fluoranthene	301	µg/kg	U
	Benzo[a]pyrene	301	µg/kg	U
	Indeno[1,2,3-cd]pyrene	301	µg/kg	U
	Dibenzo[a,h]anthracene	301	µg/kg	U
	Benzo[g,h,i]perylene	301	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		30100	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		30100	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		30100	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				60
Aromatic Surrogate % Recovery (O-Terphenyl)				69
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				80
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				78
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mpbbell

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67833-12

Dilution Factors	ARO 1.126189		ALI 1.1261887
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		30032
Naphthalene	U		300
2-Methylnaphthalene	U		300
Phenanthrene	U		300
Acenaphthene	U		300
Acenaphthylene	U		300
Fluorene	U		300
Anthracene	U		300
Fluoranthene	U		300
Pyrene	U		300
Benzo[a]anthracene	U		300
Chrysene	U		300
Benzo[b] fluoranthene	U		300
Benzo[k] fluoranthene	U		300
Benzo[a] pyrene	U		300
Indeno [1,2,3-cd] pyrene	U		300
Dibenz [a,h] anthracene	U		300
Benzo(g,h,i) perylene	U		300
C9-C18 Aliphatics	U		30032
C19-C36 Aliphatics	U		30032
C11-C22 Aromatics	U		30032
1-Chlorooctadecane (Ali)	60%	40-140%	PASS
o-terphenyl (Aro)	69%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	80%	40-140%	PASS
2-Bromonaphthalene (Fraction)	78%	40-140%	PASS

D92210

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35951.D	---------
Date Acquired	9/22/2010 12:30	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.17**	15.17
% Solid (divided by 100)	**0.8780**	0.8780
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	150.1585	150.1585

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-150	Quadratic
2-Methylnaphthalene	-1.00	-150	Quadratic
Acenaphthylene	-1.00	-150	Quadratic
Acenaphthene	-1.00	-150	Quadratic
Fluorene	-1.00	-150	Quadratic
Phenanthrene	-1.00	-150	Quadratic
Anthracene	-1.00	-150	Quadratic
Fluoranthene	-1.00	-150	Quadratic
Pyrene	-1.00	-150	Quadratic
Benzo[a]anthracene	0.01	1	Avg RF
Chrysene	0.02	3	Avg RF
Benzo[b] fluoranthene	0.01	2	Avg RF
Benzo[k] fluoranthene	0.02	3	Avg RF
Benzo[a] pyrene	0.01	2	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	1	Avg RF
Dibenz [a,h] anthracene	0.00	1	Avg RF
Benzo(g,h,i) perylene	0.02	4	Avg RF
C11-C22	**47.511**	3580	
ARO Hexane Blank	**23.671**		
Adjusted C11-C22		4915	
ALIPHATICS			
C9-C18	**46.859**	3953	
C9-C18 Hexane Blank	**20.535**		
C19-C36	**41.535**	1253	
C19-C36 Hexane Blank	**33.191**		
Surrogates			
1-Chlorooctadecane (Ali)	**11.968**	60%	
2-Fluorobiphenyl (Fraction)	16.02	80%	
2-Bromonaphthalene (Fraction)	15.67	78%	
o-terphenyl (Aro)	13.90	69%	

9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35951.D
Acq On : 22 Sep 2010 12:30 pm
Operator : AR/MG
Sample : 67833-12
Misc : SOIL,ARO
ALS Vial : 32 Sample Multiplier: 1

092210

Quant Time: Sep 22 13:21:04 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	91068	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.439	172	551917	16.02 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 80.10%		
10) 2-Bromonaphthalene	5.967	206	246836	15.67 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 78.35%		
11) o-terphenyl	7.480	230	383302	13.90 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 69.50%		

Target Compounds					Qvalue
2) Naphthalene	4.561	128	5168	~~Below Cal~~ #	87
3) 2-Methylnaphthalene	5.131	141	1099	Below Cal #	47
4) Acenaphthylene	5.855	152	846	Below Cal #	67
5) Acenaphthene	5.991	154	285	Below Cal #	63
6) Fluorene	6.418	166	1544	Below Cal #	94
7) Phenanthrene	7.180	178	1752	Below Cal	95
8) Anthracene	7.180	178	1752	Below Cal	94
12) Fluoranthene	8.140	202	2266	~~Below Cal~~ #	66
13) Pyrene	8.374	202	333	Below Cal	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

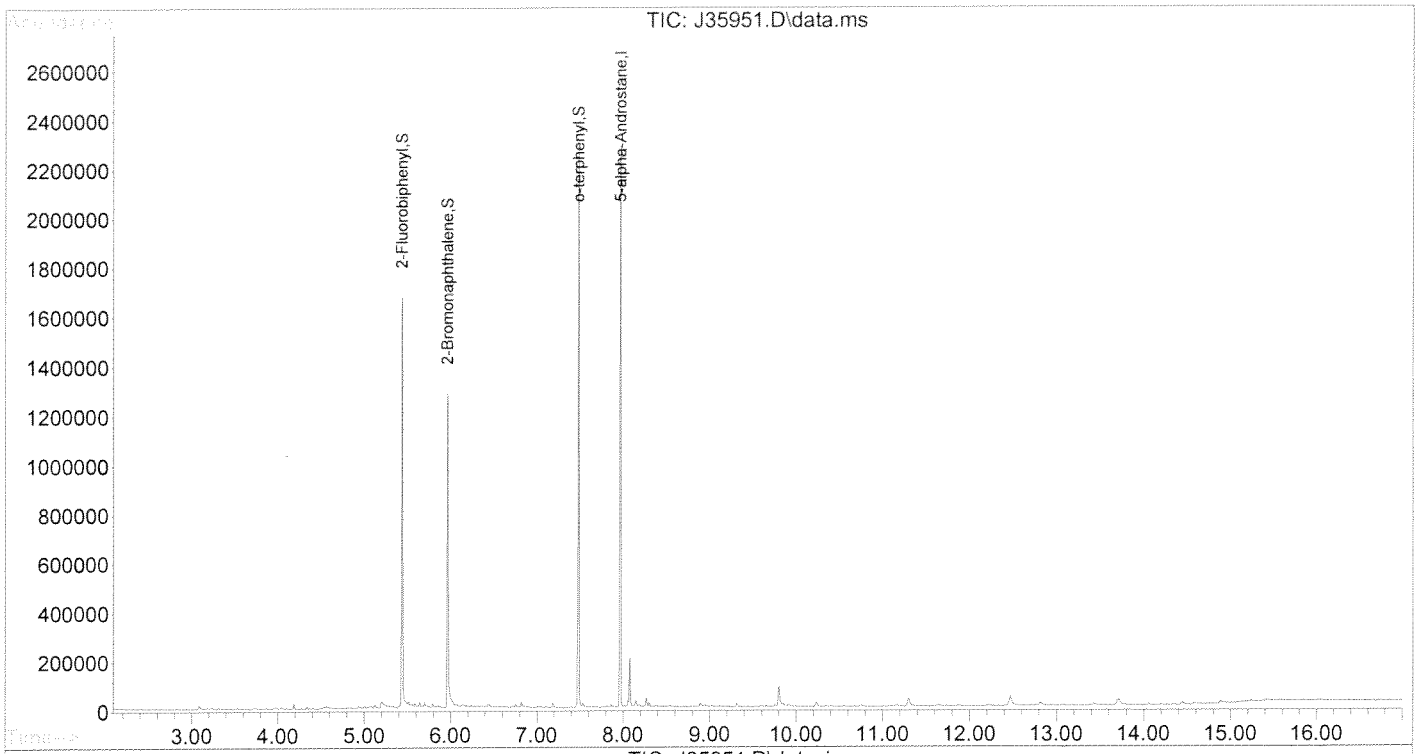
9/23/10

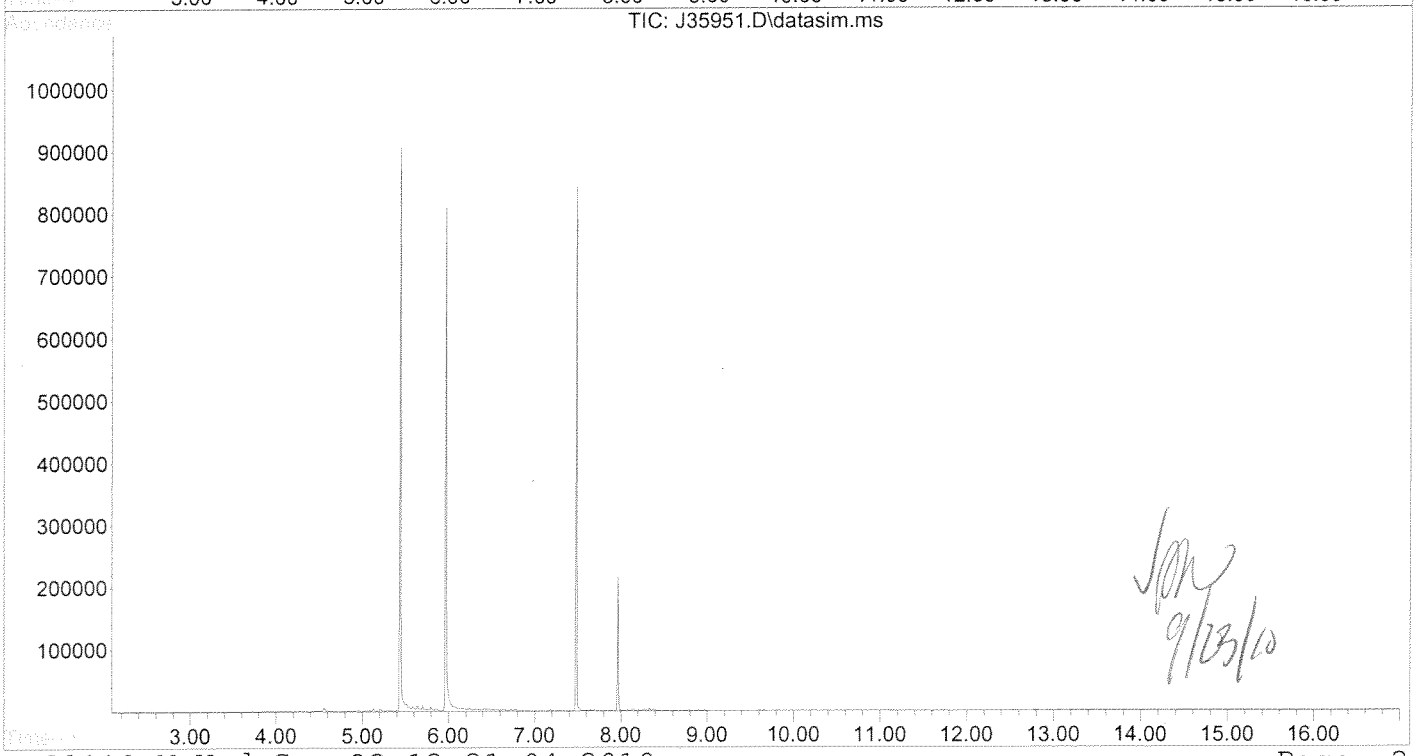
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35951.D
Acq On : 22 Sep 2010 12:30 pm
Operator : AR/MG
Sample : 67833-12
Misc : SOIL,ARO
ALS Vial : 32 Sample Multiplier: 1

092210

Quant Time: Sep 22 13:21:04 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





JAM 9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35951.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 12:30 pm
Operator : AR/MG
Sample : 67833-12
Misc : SOIL,ARO
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 13:21:42 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

092210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	20070895	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	16154467	16.600 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	83.00%
10) S 2-Bromonaphthalene	5.966	13592599	17.893 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	89.47%
11) S o-terphenyl	7.482	17726188	14.428 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	72.14%
Target Compounds			
5) TZ Acenaphthene	5.966f	13592599	12.602 ug/ml
14) TZ Benzo[a]anthracene	9.594	119926	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.136	27351	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.591	29910	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.347	21936	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.427	201028	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.786	72445	<MDL ug/ml
22) XH c11-c22	12.565	47012789	47.511 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

23-671

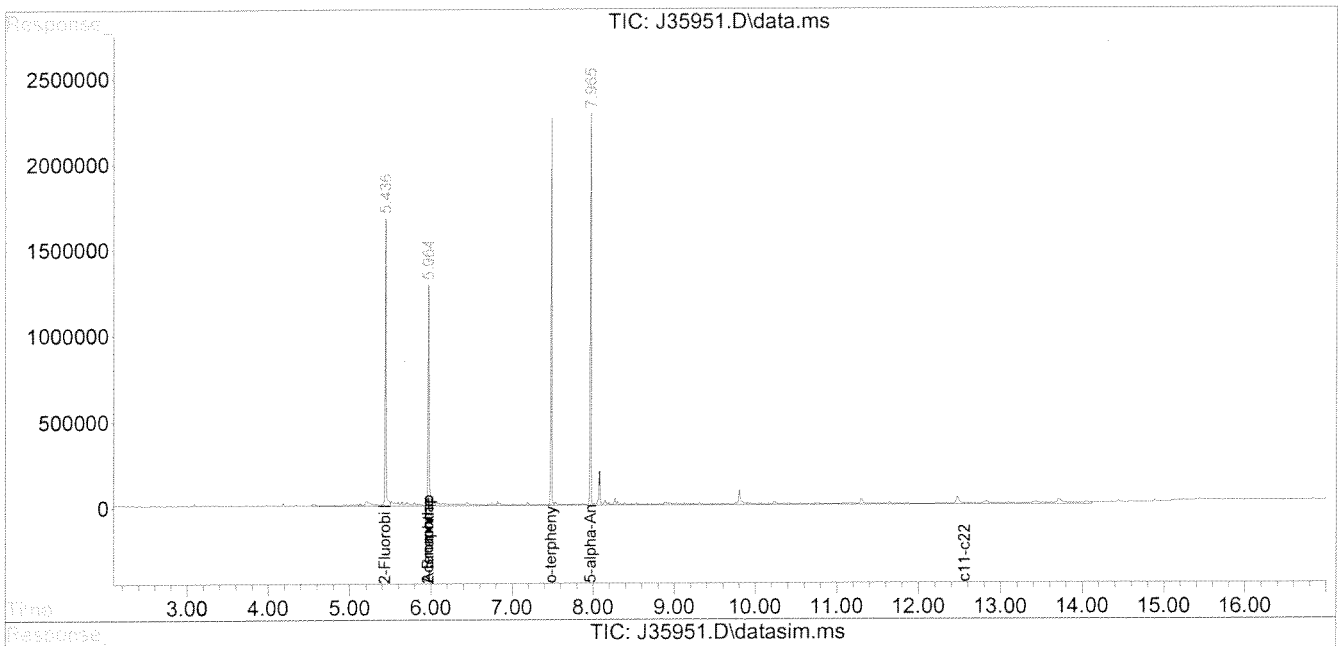
9/23/10

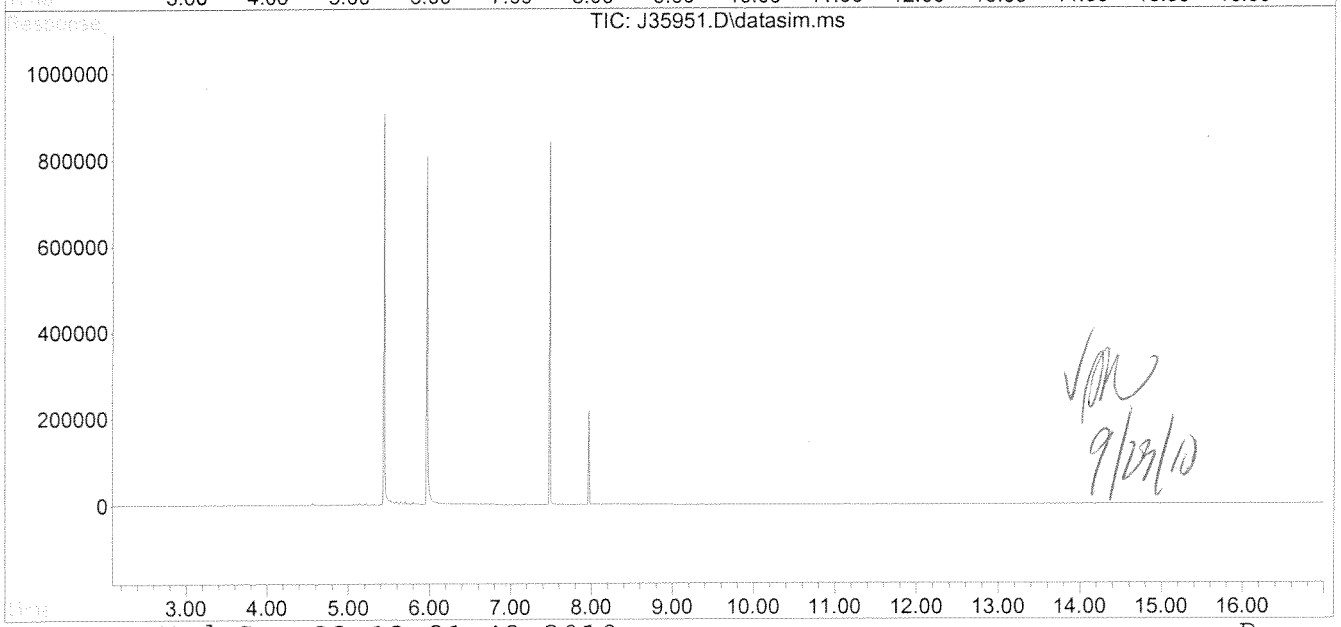
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35951.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 12:30 pm
Operator : AR/MG
Sample : 67833-12
Misc : SOIL,ARO
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 13:21:42 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71773.D Vial: 34
Acq On : 22 Sep 2010 8:27 am Operator: AR
Sample : 67833-12 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 9:08 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

S9-22-10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.79	5442585	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	3997189	11.968 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	59.84% 60
Target Compounds			
2) TZM C-9	4.04	50800	<MDL ug/ml
3) TZM C-10	5.02	91965	<MDL ug/ml
4) TZM C-12	6.49	126773	<MDL ug/ml
5) TZM C-14	7.67	97868	<MDL ug/ml
6) TZM C-16	8.69	23922	<MDL ug/ml
7) TZM C-18	9.60	40208	<MDL ug/ml
8) XH C9-C18	7.38	16934472	46.859 ug/ml
9) TZM C-19	10.02	52423	<MDL ug/ml
10) TZM C-20	10.45	31177	<MDL ug/ml
12) TZM C-22	11.42	65048	<MDL ug/ml
13) TZM C-24	12.70	96326	<MDL ug/ml
14) TZM C-26	14.16	81908	<MDL ug/ml
15) TZM C-28	15.69	77112	<MDL ug/ml
16) TZM C-30	17.20	54237	<MDL ug/ml
17) TZM C-36	21.26	72067	4.405 ug/ml
18) XH C19-C36	11.90	12454497	41.535 ug/ml

20.535 / 33.191

OK 9/23/10

(f)=RT Delta > 1/2 Window (m)=manual int.

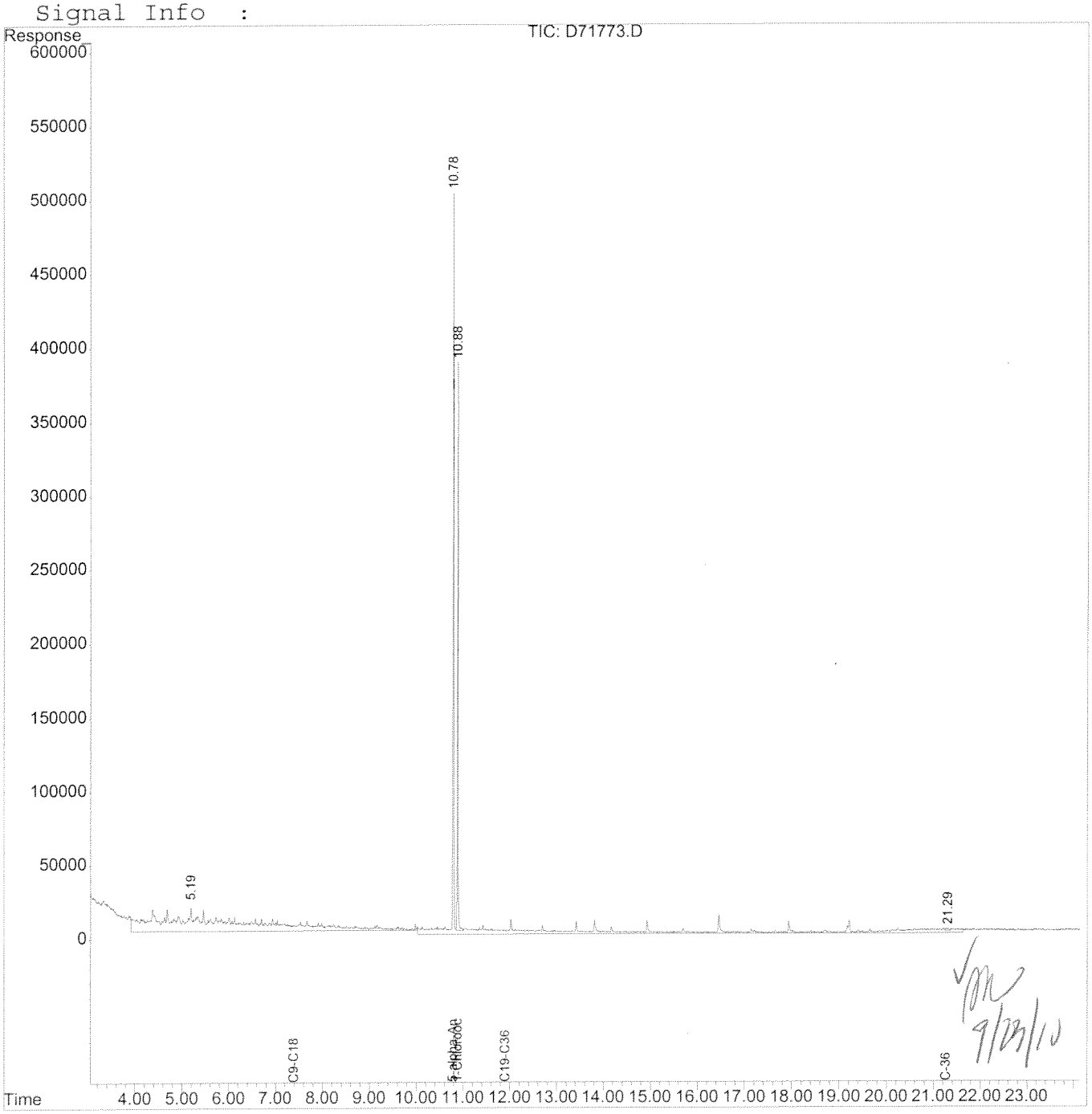
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71773.D Vial: 34
Acq On : 22 Sep 2010 8:27 am Operator: AR
Sample : 67833-12 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 9:08 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

9-22-10

Volume Inj. :
Signal Phase :
Signal Info :



9/23/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-13

SAMPLE DATA

Lab Sample ID: 67833-13
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29200	µg/kg	U
Diesel PAH Analytes	Naphthalene	292	µg/kg	U
	2-Methylnaphthalene	292	µg/kg	U
	Phenanthrene	292	µg/kg	U
	Acenaphthene	292	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	292	µg/kg	U
	Fluorene	292	µg/kg	U
	Anthracene	292	µg/kg	U
	Fluoranthene	292	µg/kg	U
	Pyrene	292	µg/kg	U
	Benzo[a]anthracene	292	µg/kg	U
	Chrysene	292	µg/kg	U
	Benzo[b]fluoranthene	292	µg/kg	U
	Benzo[k]fluoranthene	292	µg/kg	U
	Benzo[a]pyrene	292	µg/kg	U
	Indeno[1,2,3-cd]pyrene	292	µg/kg	U
	Dibenzo[a,h]anthracene	292	µg/kg	U
	Benzo[g,h,i]perylene	292	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		29200	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29200	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29200	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				50
Aromatic Surrogate % Recovery (O-Terphenyl)				69
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				81
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				71
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mahlull

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67833-13

Dilution Factors	ARO	1.093939		ALI 1.0939387
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics		U		29172
Naphthalene		U		292
2-Methylnaphthalene		U		292
Phenanthrene		U		292
Acenaphthene		U		292
Acenaphthylene		U		292
Fluorene		U		292
Anthracene		U		292
Fluoranthene		U		292
Pyrene		U		292
Benzo[a]anthracene		U		292
Chrysene		U		292
Benzo[b] fluoranthene		U		292
Benzo[k] fluoranthene		U		292
Benzo[a] pyrene		U		292
Indeno [1,2,3-cd] pyrene		U		292
Dibenz [a,h] anthracene		U		292
Benzo(g,h,i) perylene		U		292
C9-C18 Aliphatics		U		29172
C19-C36 Aliphatics		U		29172
C11-C22 Aromatics		U		29172
1-Chlorooctadecane (Ali)		50%	40-140%	PASS
o-terphenyl (Aro)		69%	40-140%	PASS
2-Fluorobiphenyl (Fraction)		81%	40-140%	PASS
2-Bromonaphthalene (Fraction)		71%	40-140%	PASS

292210

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35952.D	---------
Date Acquired	9/22/2010 12:53	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.20**	15.20
% Solid (divided by 100)	**0.9021**	0.9021
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	145.8585	145.8585

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-146	Quadratic
2-Methylnaphthalene	-1.00	-146	Quadratic
Acenaphthylene	-1.00	-146	Quadratic
Acenaphthene	-1.00	-146	Quadratic
Fluorene	-1.00	-146	Quadratic
Phenanthrene	-1.00	-146	Quadratic
Anthracene	-1.00	-146	Quadratic
Fluoranthene	-1.00	-146	Quadratic
Pyrene	-1.00	-146	Quadratic
Benzo[a]anthracene	0.01	1	Avg RF
Chrysene	0.02	2	Avg RF
Benzo[b] fluoranthene	0.01	2	Avg RF
Benzo[k] fluoranthene	0.00	0	Avg RF
Benzo[a] pyrene	0.01	1	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	1	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.00	0	Avg RF
C11-C22	**39.080**	2248	
ARO Hexane Blank	**23.671**		
Adjusted C11-C22		3552	
ALIPHATICS			
C9-C18	**35.196**	2138	
C9-C18 Hexane Blank	**20.535**		
C19-C36	**42.500**	1358	
C19-C36 Hexane Blank	**33.191**		
Surrogates			
1-Chlorooctadecane (Ali)	**10.097**	50%	
2-Fluorobiphenyl (Fraction)	16.24	81%	
2-Bromonaphthalene (Fraction)	14.22	71%	
o-terphenyl (Aro)	13.82	69%	

9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35952.D
Acq On : 22 Sep 2010 12:53 pm
Operator : AR/MG
Sample : 67833-13
Misc : SOIL,ARO
ALS Vial : 33 Sample Multiplier: 1

J92210

Quant Time: Sep 22 13:21:12 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	87987 ✓	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	540625	16.24 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 81.20%		
10) 2-Bromonaphthalene	5.962	206	216481	14.22 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 71.10%		
11) o-terphenyl	7.480	230	368408	13.82 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 69.10%		

Target Compounds					Qvalue
2) Naphthalene	4.561	128	4734	Below Cal #	92
3) 2-Methylnaphthalene	5.137	141	1049	Below Cal #	75
4) Acenaphthylene	5.849	152	468	Below Cal #	83
5) Acenaphthene	6.033	154	62	Below Cal #	1
6) Fluorene	6.418	166	451	Below Cal #	78
7) Phenanthrene	7.180	178	998	Below Cal #	86
8) Anthracene	7.218	178	267	Below Cal #	69
12) Fluoranthene	8.140	202	1303	Below Cal #	55
13) Pyrene	8.328	202	1833	Below Cal #	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

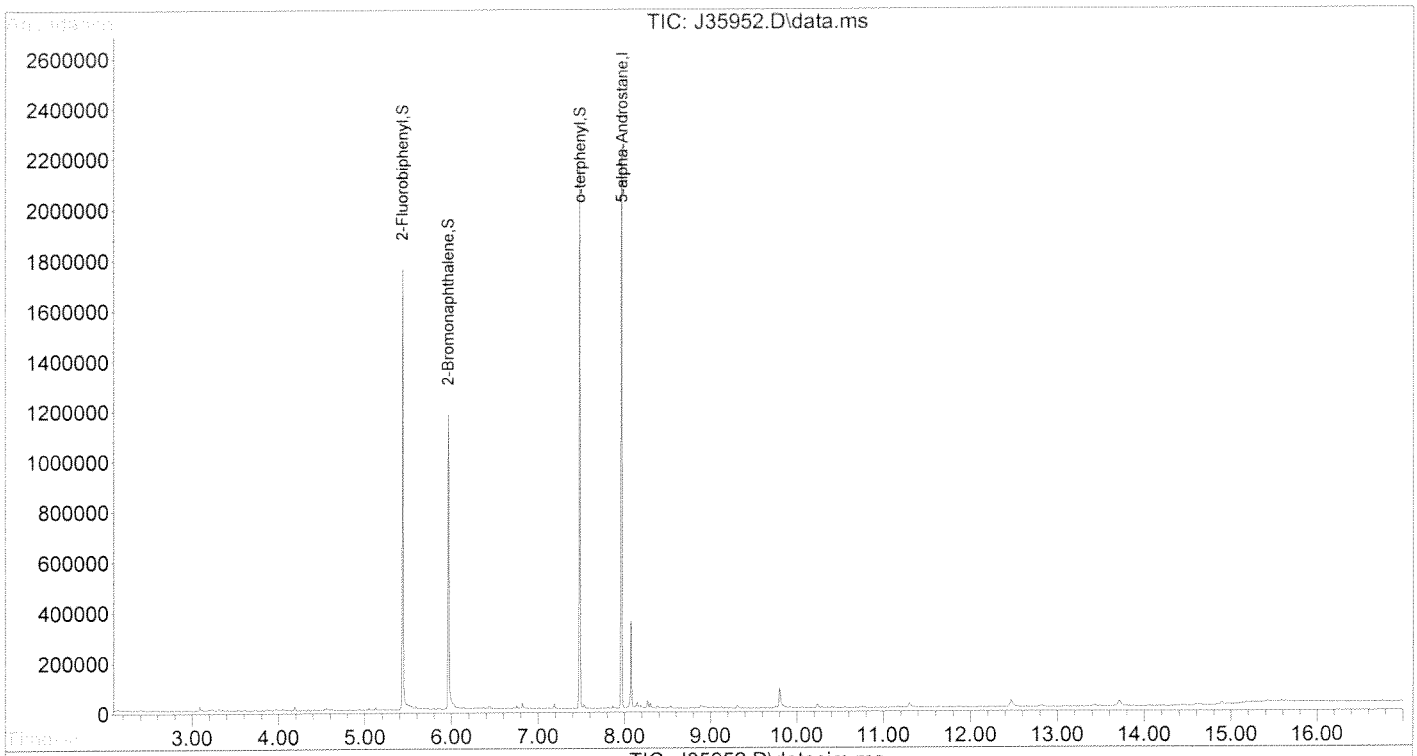
9/23/10

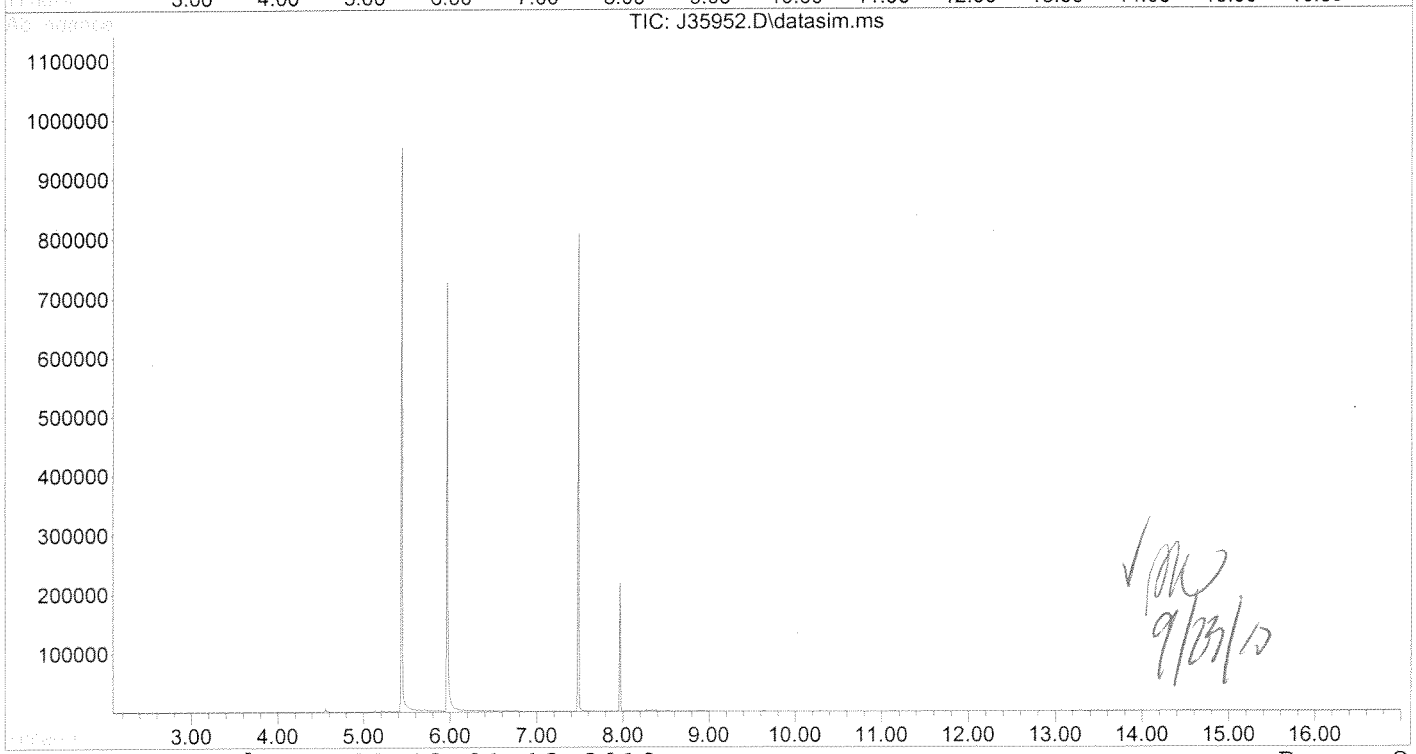
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35952.D
Acq On : 22 Sep 2010 12:53 pm
Operator : AR/MG
Sample : 67833-13
Misc : SOIL,ARO
ALS Vial : 33 Sample Multiplier: 1

J92210

Quant Time: Sep 22 13:21:12 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





✓ 9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35952.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 12:53 pm
Operator : AR/MG
Sample : 67833-13
Misc : SOIL,ARO
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 13:21:31 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	19876544	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	15672966	16.223 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	81.11%
10) S 2-Bromonaphthalene	5.965	11886310	15.800 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.00%
11) S o-terphenyl	7.482	17191188	14.082 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	70.41%
Target Compounds			
5) TZ Acenaphthene	5.965f	11886310	10.932 ug/ml
14) TZ Benzo[a]anthracene	9.606	57398	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.125	23809	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.599	13756	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.336	54785	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.437	240506	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.775	147466	<MDL ug/ml
22) XH c11-c22	12.565	38295634	39.080 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

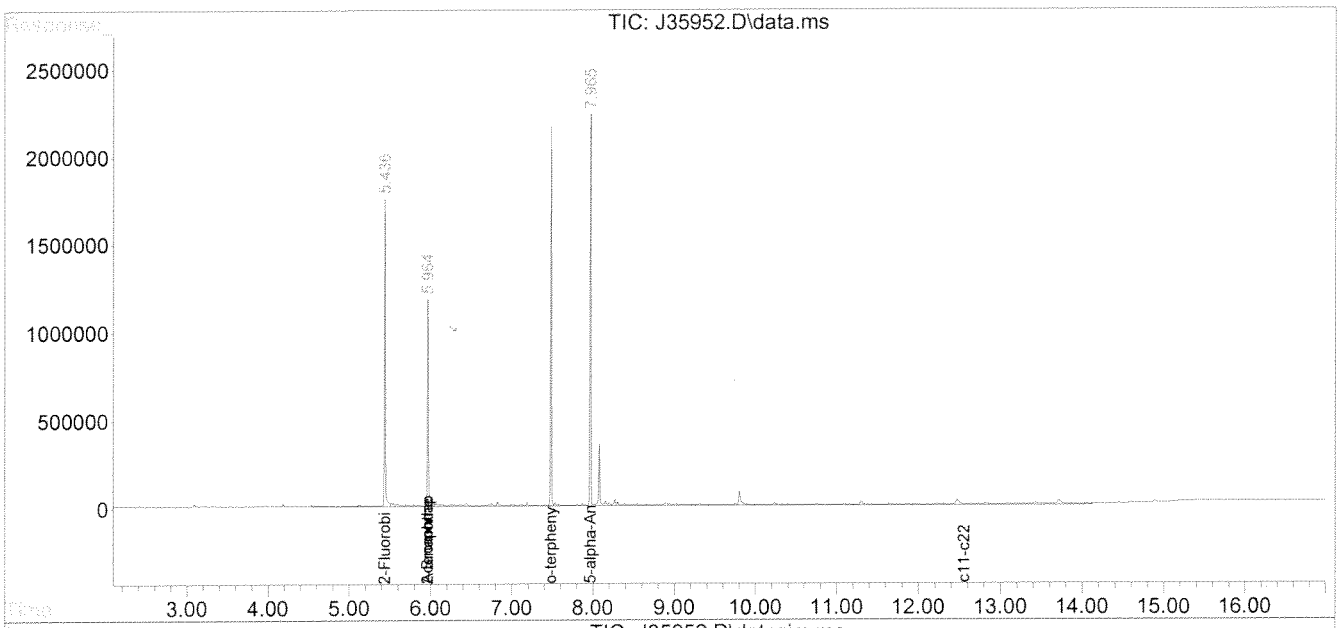
Quantitation Report (Not Reviewed)

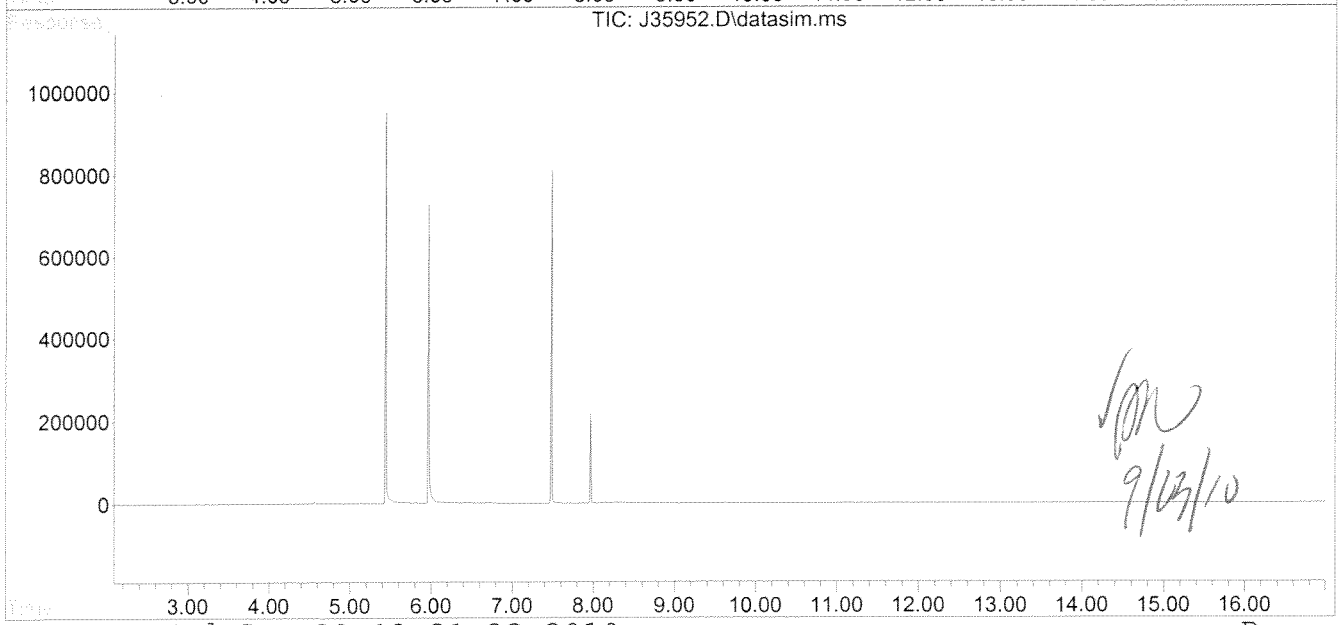
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35952.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 12:53 pm
Operator : AR/MG
Sample : 67833-13
Misc : SOIL,ARO
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 13:21:31 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

392210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71774.D Vial: 35
Acq On : 22 Sep 2010 8:57 am Operator: AR
Sample : 67833-13 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 10:21 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

J42210

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5452841	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	3378795	10.097 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	50.48% 50
Target Compounds			
2) TZM C-9	4.03	39743	<MDL ug/ml
3) TZM C-10	5.04	30077	<MDL ug/ml
4) TZM C-12	6.50	103907	<MDL ug/ml
5) TZM C-14	7.67	163246	<MDL ug/ml
6) TZM C-16	8.69	109283	<MDL ug/ml
7) TZM C-18	9.62	23303	<MDL ug/ml
8) XH C9-C18	7.38	12743500	35.196 ug/ml
9) TZM C-19	10.03	33320	<MDL ug/ml
10) TZM C-20	10.45	40843	<MDL ug/ml
12) TZM C-22	11.42	59619	<MDL ug/ml
13) TZM C-24	12.69	58525	<MDL ug/ml
14) TZM C-26	14.16	62339	<MDL ug/ml
15) TZM C-28	15.69	59557	<MDL ug/ml
16) TZM C-30	17.20	54313	<MDL ug/ml
17) TZM C-36	21.25	18735	4.139 ug/ml
18) XH C19-C36	11.90	12767621	42.500 ug/ml

20.535/33.191

9/23/10

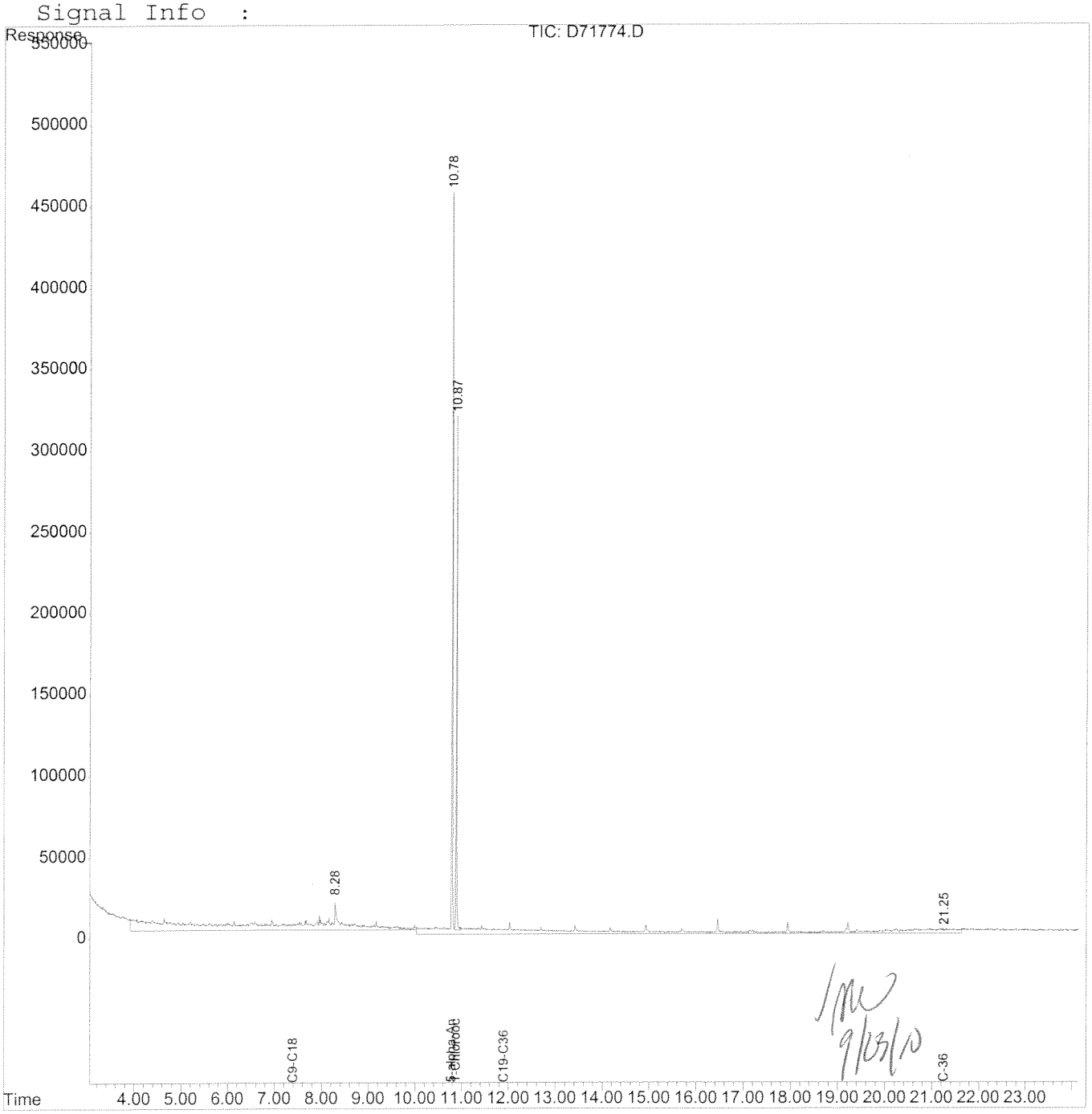
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71774.D Vial: 35
Acq On : 22 Sep 2010 8:57 am Operator: AR
Sample : 67833-13 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 10:21 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-14

SAMPLE DATA

Lab Sample ID: 67833-14
Matrix: Solid
Percent Solid: 85
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		30100	µg/kg	U
Diesel PAH Analytes	Naphthalene	301	µg/kg	U
	2-Methylnaphthalene	301	µg/kg	U
	Phenanthrene	301	µg/kg	U
	Acenaphthene	301	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	301	µg/kg	U
	Fluorene	301	µg/kg	U
	Anthracene	301	µg/kg	U
	Fluoranthene	301	µg/kg	U
	Pyrene	301	µg/kg	U
	Benzo[a]anthracene	301	µg/kg	U
	Chrysene	301	µg/kg	U
	Benzo[b]fluoranthene	301	µg/kg	U
	Benzo[k]fluoranthene	301	µg/kg	U
	Benzo[a]pyrene	301	µg/kg	U
	Indeno[1,2,3-cd]pyrene	301	µg/kg	U
	Dibenzo[a,h]anthracene	301	µg/kg	U
	Benzo[g,h,i]perylene	301	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		30100	µg/kg	**62400**
C19-C36 Aliphatic Hydrocarbons[1]		30100	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		30100	µg/kg	**15500 J**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				54
Aromatic Surrogate % Recovery (O-Terphenyl)				72
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				81
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				78
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67833-14

J42210

Dilution Factors	ARO	1.127679		ALI 1.1276791
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics		U		30071
Naphthalene		U		301
2-Methylnaphthalene		U		301
Phenanthrene		U		301
Acenaphthene		U		301
Acenaphthylene		U		301
Fluorene		U		301
Anthracene		U		301
Fluoranthene		U		301
Pyrene		U		301
Benzo[a]anthracene		U		301
Chrysene		U		301
Benzo[b] fluoranthene		U		301
Benzo[k] fluoranthene		U		301
Benzo[a] pyrene		U		301
Indeno [1,2,3-cd] pyrene		U		301
Dibenz [a,h] anthracene		U		301
Benzo(g,h,i) perylene		U		301
C9-C18 Aliphatics		62366		30071
C19-C36 Aliphatics		U		30071
C11-C22 Aromatics		15517	J	30071
1-Chlorooctadecane (Ali)		54%	40-140%	PASS
o-terphenyl (Aro)		72%	40-140%	PASS
2-Fluorobiphenyl (Fraction)		81%	40-140%	PASS
2-Bromonaphthalene (Fraction)		78%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35953.D	---------
Date Acquired	9/22/2010 13:17	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.71**	15.71
% Solid (divided by 100)	**0.8467**	0.8467
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	1
Calculation Factor	150.3572	150.3572

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-150	Quadratic
2-Methylnaphthalene	0.03	5	Quadratic
Acenaphthylene	-1.00	-150	Quadratic
Acenaphthene	-1.00	-150	Quadratic
Fluorene	-1.00	-150	Quadratic
Phenanthrene	-1.00	-150	Quadratic
Anthracene	-1.00	-150	Quadratic
Fluoranthene	-1.00	-150	Quadratic
Pyrene	-1.00	-150	Quadratic
Benzo[a]anthracene	0.05	7	Avg RF
Chrysene	0.05	7	Avg RF
Benzo[b] fluoranthene	0.06	10	Avg RF
Benzo[k] fluoranthene	0.07	10	Avg RF
Benzo[a] pyrene	0.08	11	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	1	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.01	1	Avg RF
C11-C22	**119.215**	14366	
ARO Hexane Blank	**23.671**		
Adjusted C11-C22		15517	
ALIPHATICS			
C9-C18	**435.323**	62366	
C9-C18 Hexane Blank	**20.535**		
C19-C36	**45.102**	1791	
C19-C36 Hexane Blank	**33.191**		
Surrogates			
1-Chlorooctadecane (Ali)	**10.795**	54%	
2-Fluorobiphenyl (Fraction)	16.15	81%	
2-Bromonaphthalene (Fraction)	15.58	78%	
o-terphenyl (Aro)	14.34	72%	

JOM 9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35953.D
Acq On : 22 Sep 2010 1:17 pm
Operator : AR/MG
Sample : 67833-14
Misc : SOIL,ARO
ALS Vial : 34 Sample Multiplier: 1

Q

092210

Quant Time: Sep 22 15:10:20 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.966	95	102289	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.440	172	624794	16.15 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 80.75%		
10) 2-Bromonaphthalene	5.968	206	275633	15.58 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 77.90%		
11) o-terphenyl	7.479	230	444408	14.34 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 71.70%		

Target Compounds					Qvalue
2) Naphthalene	4.562	128	13104	~~Below Cal~~ #	80
4) Acenaphthylene	5.855	152	2761	Below Cal #	38
5) Acenaphthene	5.991	154	2142	Below Cal #	54
6) Fluorene	6.413	166	2825	Below Cal #	76
7) Phenanthrene	7.179	178	4487	Below Cal #	90
8) Anthracene	7.226	178	1203	Below Cal #	62
12) Fluoranthene	8.135	202	6679	Below Cal #	71
13) Pyrene	8.327	202	6616	Below Cal	98

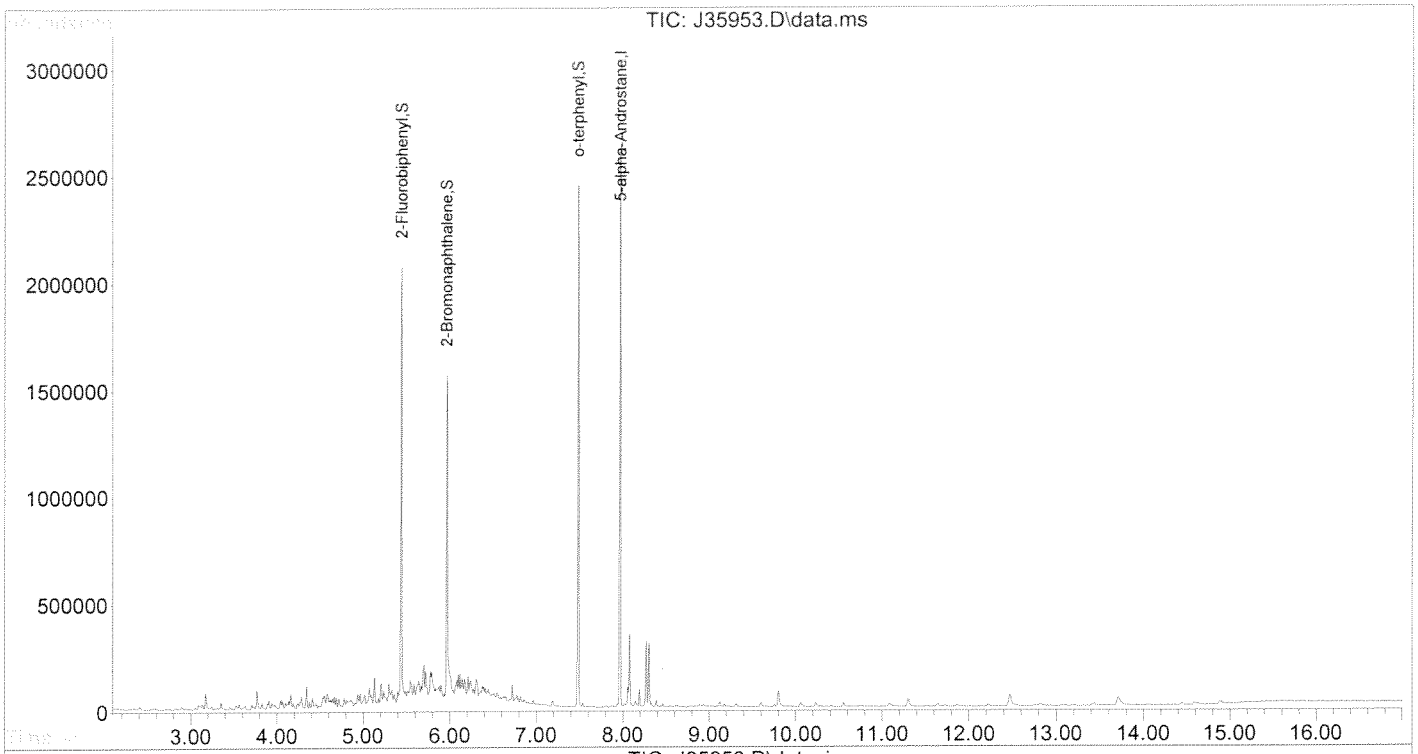
(#) = qualifier out of range (m) = manual integration (+) = signals summed

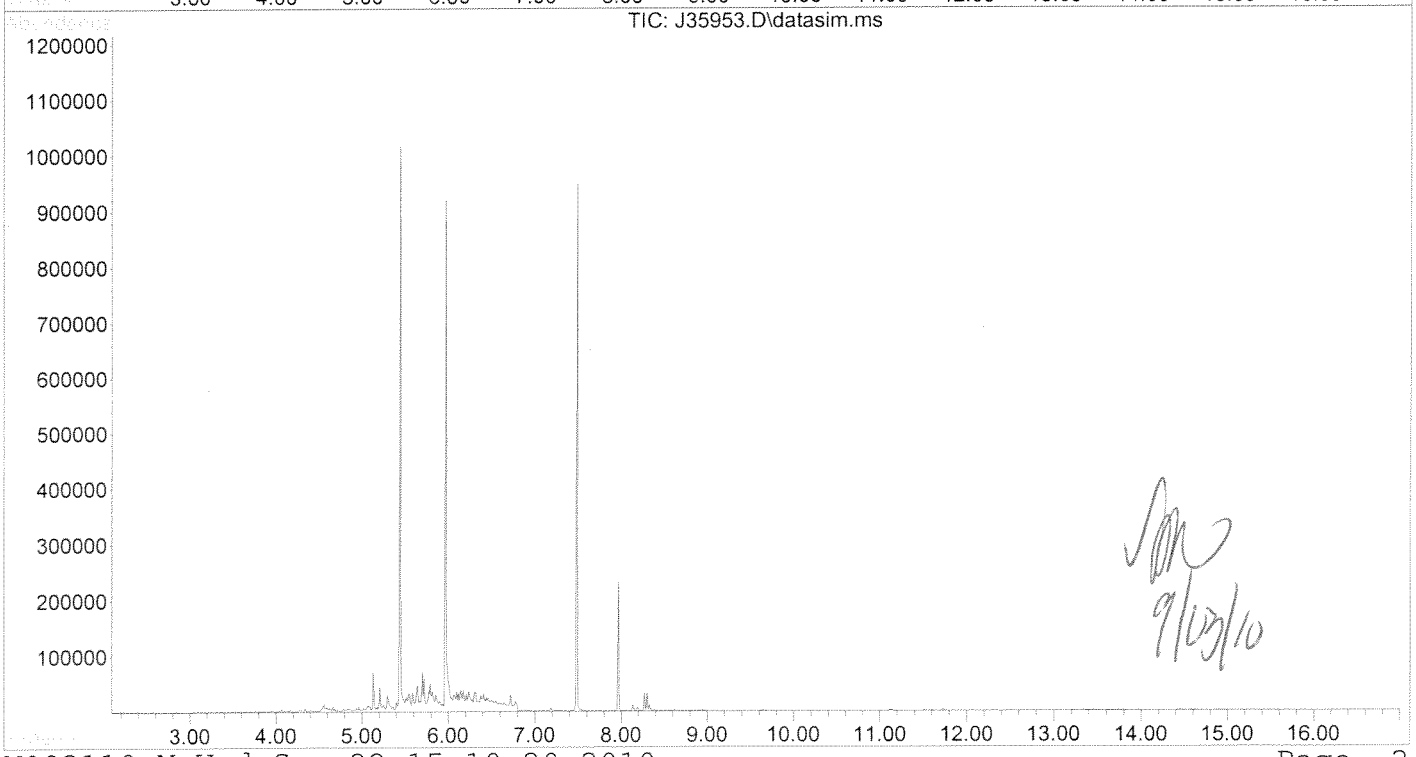
9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35953.D
Acq On : 22 Sep 2010 1:17 pm
Operator : AR/MG
Sample : 67833-14
Misc : SOIL,ARO
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 22 15:10:20 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35953.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:17 pm
Operator : AR/MG
Sample : 67833-14
Misc : SOIL,ARO
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 15:16:09 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	23040521	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.439	20128661	18.203 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	91.02%
10) S 2-Bromonaphthalene	5.966	20048672	22.990 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	114.95%
11) S o-terphenyl	7.482	20662788	14.687 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	73.43%
Target Compounds			
2) TZ Naphthalene	4.552	702039	<MDL ug/ml
3) TZ 2-Methylnaphthalene	5.130	2093197	1.243 ug/ml
5) TZ Acenaphthene	5.966f	20048672	16.758 ug/ml
6) TZ Fluorene	6.411	1242403	<MDL ug/ml
14) TZ Benzo[a]anthracene	9.601	364466	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.087	389800	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.603	27738	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.360	23163	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.434	360704	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.712	1410689	1.428 ug/ml
22) XH c11-c22	12.565	135419547	119.215 ug/ml

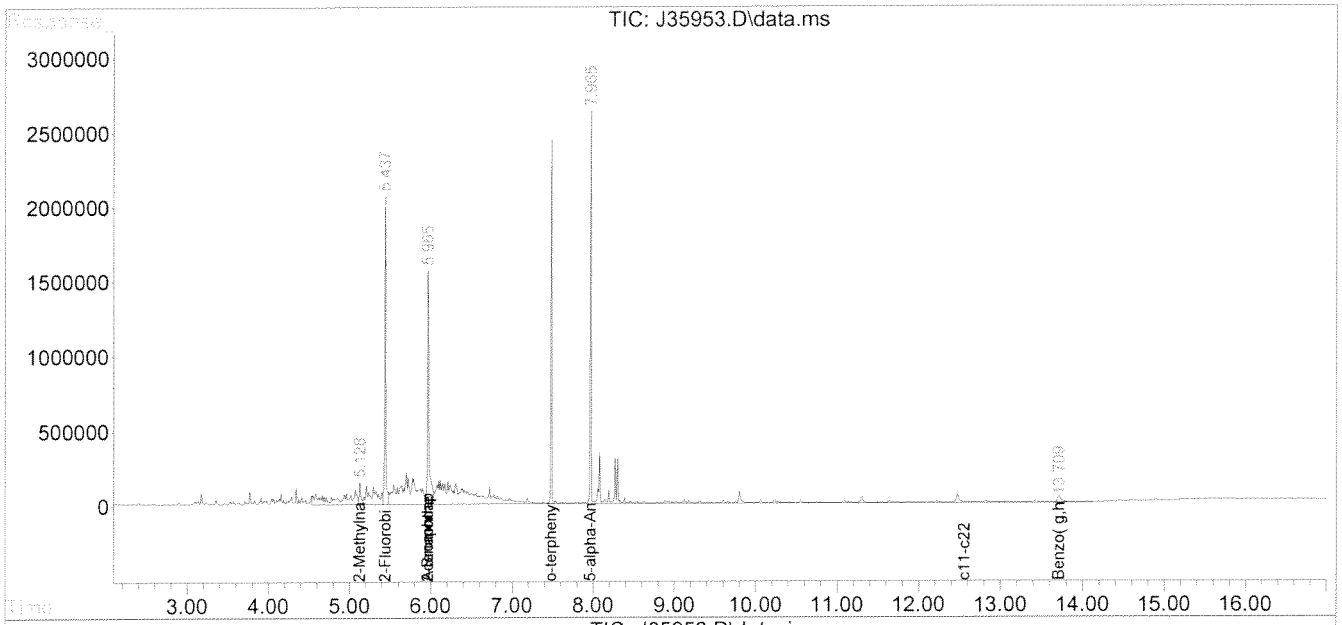
(f)=RT Delta > 1/2 Window (m)=manual int.

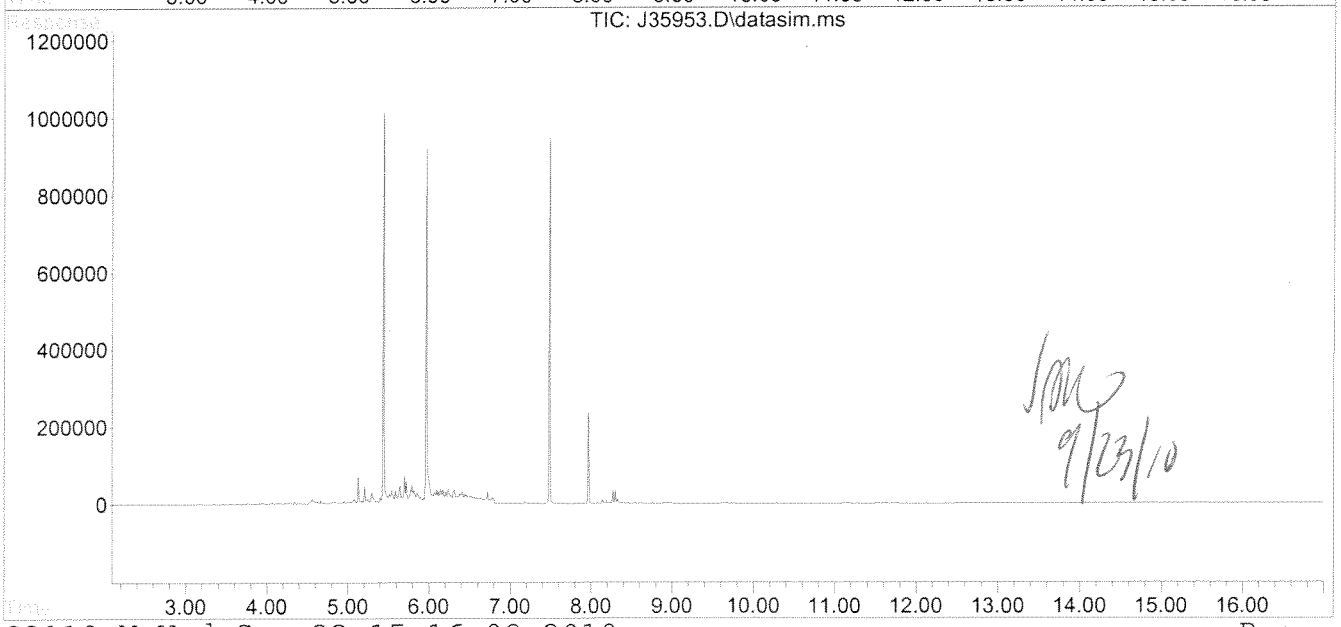
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35953.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:17 pm
Operator : AR/MG
Sample : 67833-14
Misc : SOIL,ARO
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 15:16:09 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71775.D Vial: 36
Acq On : 22 Sep 2010 9:27 am Operator: AR
Sample : 67833-14 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 10:22 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

J92210

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6056772	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4012297	10.795 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	53.97%
Target Compounds			
2) TZM C-9	4.04	145905	<MDL ug/ml
3) TZM C-10	5.03	1169333	3.040 ug/ml
4) TZM C-12	6.48	3236367	7.835 ug/ml
5) TZM C-14	7.64	5270450	12.441 ug/ml
6) TZM C-16	8.70	1093149	2.673 ug/ml
7) TZM C-18	9.60	58061	<MDL ug/ml
8) XH C9-C18	7.38	175074461	435.323 ug/ml
9) TZM C-19	10.02	39170	<MDL ug/ml
10) TZM C-20	10.45	54120	<MDL ug/ml
12) TZM C-22	11.42	64917	<MDL ug/ml
13) TZM C-24	12.69	102899	<MDL ug/ml
14) TZM C-26	14.16	129864	<MDL ug/ml
15) TZM C-28	15.69	97605	<MDL ug/ml
16) TZM C-30	17.19	113713	<MDL ug/ml
17) TZM C-36	21.24	21757	4.144 ug/ml
18) XH C19-C36	11.90	15050235	45.102 ug/ml

20-535 / 33-191

JON 9/23/10

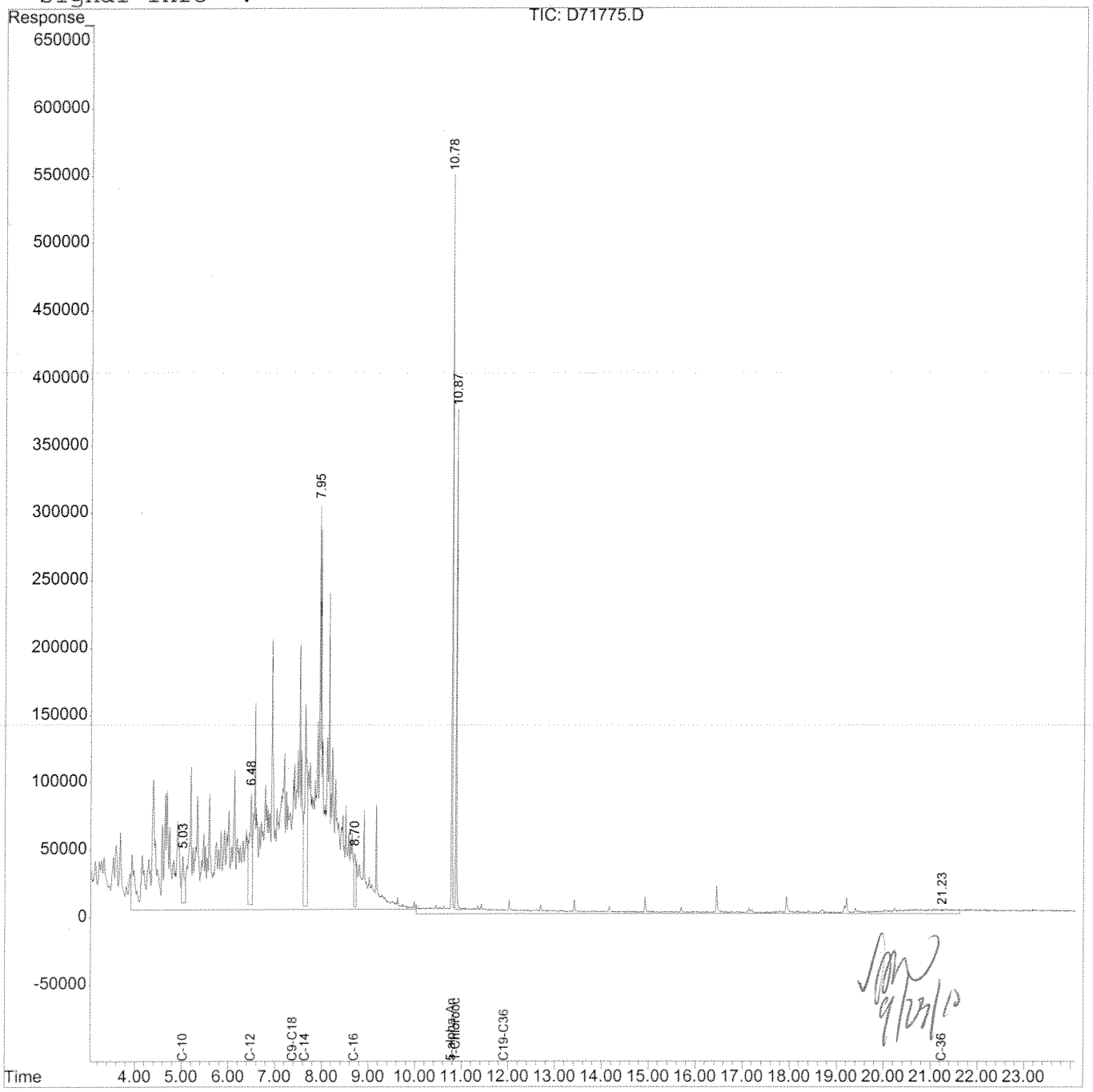
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71775.D Vial: 36
Acq On : 22 Sep 2010 9:27 am Operator: AR
Sample : 67833-14 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 10:22 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-SW-15

SAMPLE DATA

Lab Sample ID: 67833-15
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28400	µg/kg	U
Diesel PAH Analytes	Naphthalene	284	µg/kg	U
	2-Methylnaphthalene	284	µg/kg	U
	Phenanthrene	284	µg/kg	U
	Acenaphthene	284	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	284	µg/kg	U
	Fluorene	284	µg/kg	U
	Anthracene	284	µg/kg	U
	Fluoranthene	284	µg/kg	U
	Pyrene	284	µg/kg	U
	Benzo[a]anthracene	284	µg/kg	U
	Chrysene	284	µg/kg	U
	Benzo[b]fluoranthene	284	µg/kg	U
	Benzo[k]fluoranthene	284	µg/kg	U
	Benzo[a]pyrene	284	µg/kg	U
	Indeno[1,2,3-cd]pyrene	284	µg/kg	U
	Dibenzo[a,h]anthracene	284	µg/kg	U
	Benzo[g,h,i]perylene	284	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		28400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		28400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		28400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				54
Aromatic Surrogate % Recovery (O-Terphenyl)				71
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				85
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				77
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67833-15

Dilution Factors	ARO	1.065164		ALI 1.0651638
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics		U		28404
Naphthalene		U		284
2-Methylnaphthalene		U		284
Phenanthrene		U		284
Acenaphthene		U		284
Acenaphthylene		U		284
Fluorene		U		284
Anthracene		U		284
Fluoranthene		U		284
Pyrene		U		284
Benzo[a]anthracene		U		284
Chrysene		U		284
Benzo[b] fluoranthene		U		284
Benzo[k] fluoranthene		U		284
Benzo[a] pyrene		U		284
Indeno [1,2,3-cd] pyrene		U		284
Dibenz [a,h] anthracene		U		284
Benzo(g,h,i) perylene		U		284
C9-C18 Aliphatics		U		28404
C19-C36 Aliphatics		U		28404
C11-C22 Aromatics		U		28404
1-Chlorooctadecane (Ali)		54%	40-140%	PASS
o-terphenyl (Aro)		71%	40-140%	PASS
2-Fluorobiphenyl (Fraction)		85%	40-140%	PASS
2-Bromonaphthalene (Fraction)		77%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35954.D	---------
Date Acquired	9/22/2010 13:40	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.47**	15.47
% Solid (divided by 100)	**0.9103**	0.9103
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	142.0218	142.0218

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-142	Quadratic
2-Methylnaphthalene	-1.00	-142	Quadratic
Acenaphthylene	-1.00	-142	Quadratic
Acenaphthene	-1.00	-142	Quadratic
Fluorene	-1.00	-142	Quadratic
Phenanthrene	-1.00	-142	Quadratic
Anthracene	-1.00	-142	Quadratic
Fluoranthene	-1.00	-142	Quadratic
Pyrene	-1.00	-142	Quadratic
Benzo[a]anthracene	0.11	15	Avg RF
Chrysene	0.14	20	Avg RF
Benzo[b] fluoranthene	0.25	35	Avg RF
Benzo[k] fluoranthene	0.03	4	Avg RF
Benzo[a] pyrene	0.11	15	Avg RF
Indeno [1,2,3-cd] pyrene	0.06	8	Avg RF
Dibenz [a,h] anthracene	0.00	1	Avg RF
Benzo(g,h,i) perylene	0.08	11	Avg RF
C11-C22	**40.752**	2426	
ARO Hexane Blank	**23.671**		
Adjusted C11-C22		3594	
ALIPHATICS			
C9-C18	**19.359**	-167	
C9-C18 Hexane Blank	**20.535**		
C19-C36	**35.756**	364	
C19-C36 Hexane Blank	**33.191**		
Surrogates			
1-Chlorooctadecane (Ali)	**10.783**	54%	
2-Fluorobiphenyl (Fraction)	16.99	85%	
2-Bromonaphthalene (Fraction)	15.44	77%	
o-terphenyl (Aro)	14.26	71%	

392210

9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35954.D
Acq On : 22 Sep 2010 1:40 pm
Operator : AR/MG
Sample : 67833-15
Misc : SOIL,ARO
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 22 15:10:22 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

092210

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.966	95	91355	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	587088	16.99 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 84.95%		
10) 2-Bromonaphthalene	5.962	206	244076	15.44 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 77.20%		
11) o-terphenyl	7.479	230	394649	14.26 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 71.30%		

Target Compounds						Qvalue
2) Naphthalene	4.639	128	283	Below Cal		97
3) 2-Methylnaphthalene	5.131	141	520	Below Cal	#	87
4) Acenaphthylene	5.855	152	1197	Below Cal	#	90
5) Acenaphthene	5.992	154	132	Below Cal	#	42
6) Fluorene	6.419	166	726	Below Cal	#	94
7) Phenanthrene	7.179	178	3522	Below Cal		96
8) Anthracene	7.179	178	3522	Below Cal		96
12) Fluoranthene	8.135	202	15598	Below Cal	#	74
13) Pyrene	8.327	202	16259	Below Cal		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

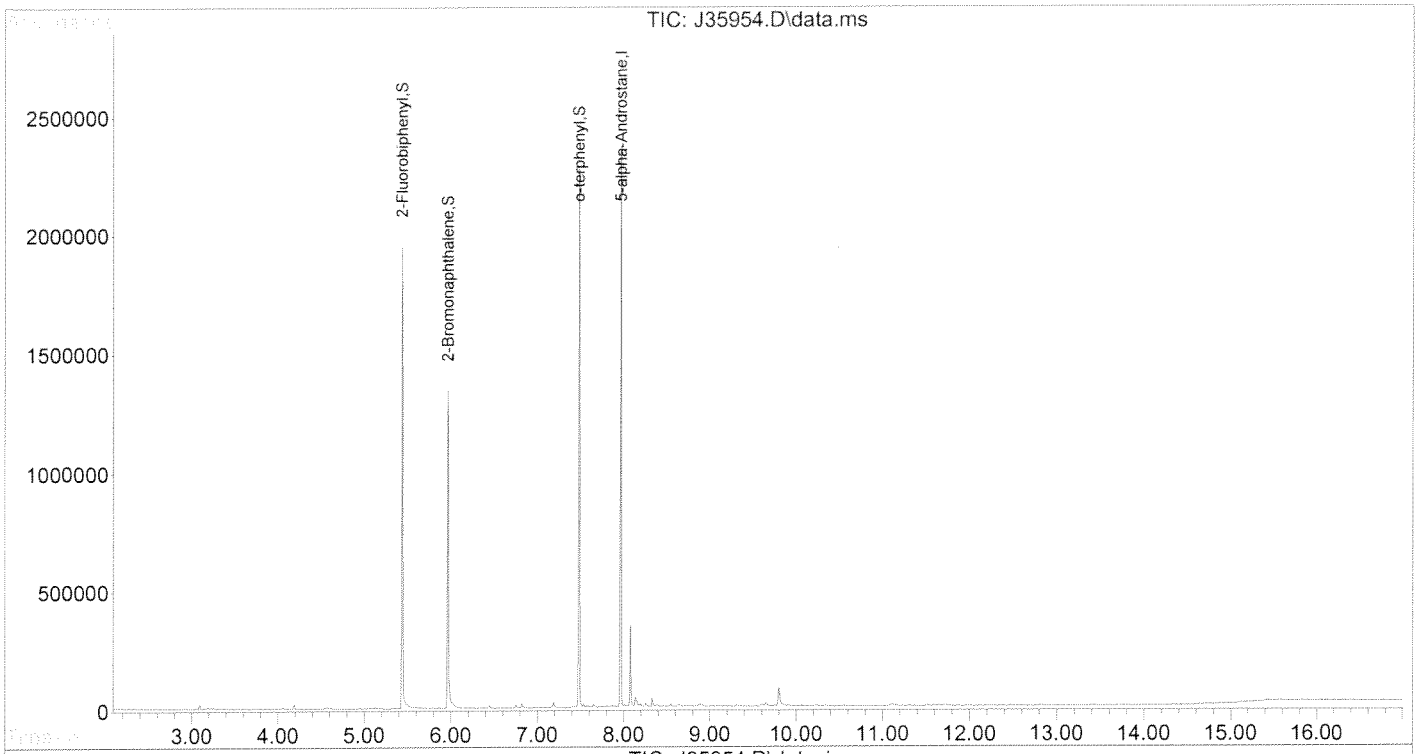
9/03/10

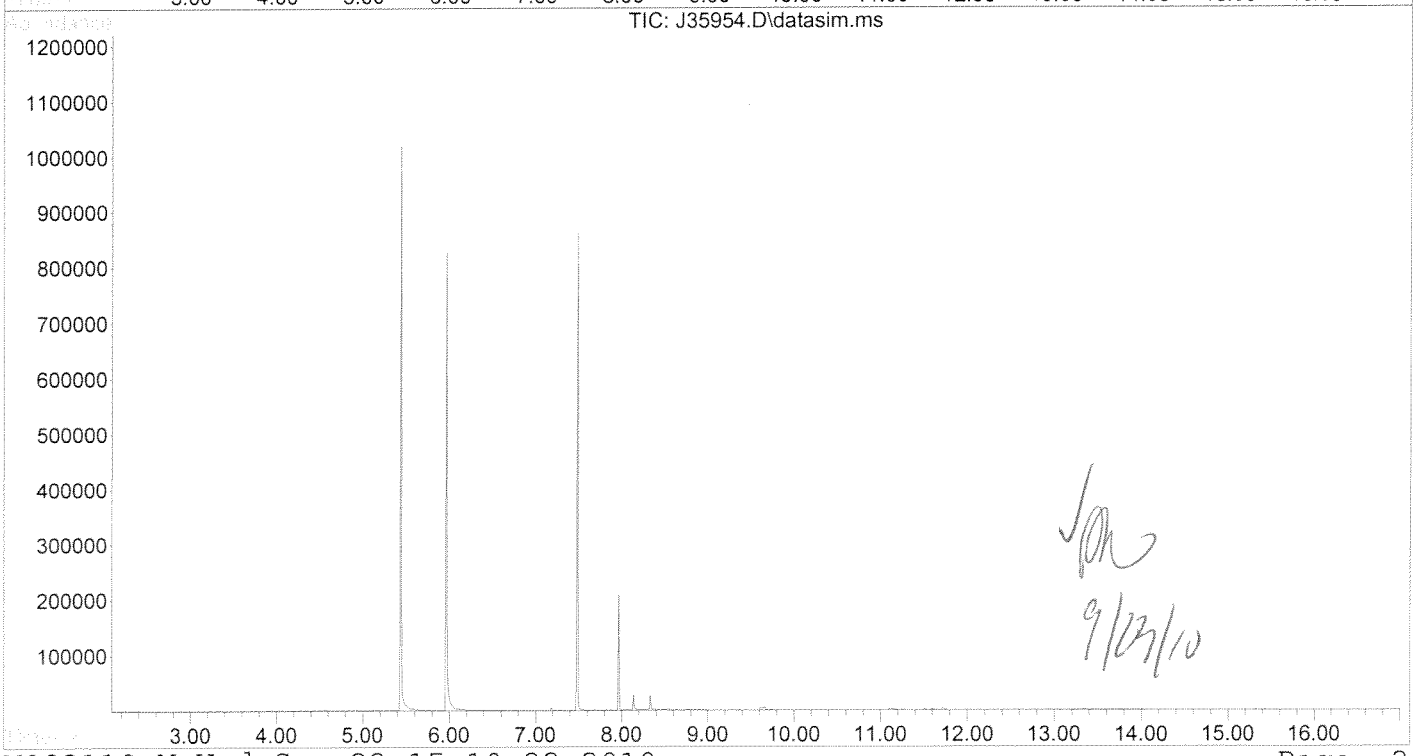
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35954.D
Acq On : 22 Sep 2010 1:40 pm
Operator : AR/MG
Sample : 67833-15
Misc : SOIL,ARO
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 22 15:10:22 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

242210





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35954.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:40 pm
Operator : AR/MG
Sample : 67833-15
Misc : SOIL,ARO
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 15:16:11 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	20408247	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	17215444	17.498 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	87.49%
10) S 2-Bromonaphthalene	5.966	13193954	17.081 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.41%
11) S o-terphenyl	7.482	18724386	15.083 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	75.41%
Target Compounds			
5) TZ Acenaphthene	5.966f	13193954	11.952 ug/ml
14) TZ Benzo[a]anthracene	9.608	298077	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.110	297844	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.596	148253	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.357	38501	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.424	133163	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.749	68324	<MDL ug/ml
22) XH c11-c22	12.565	41002624	40.752 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

23.671

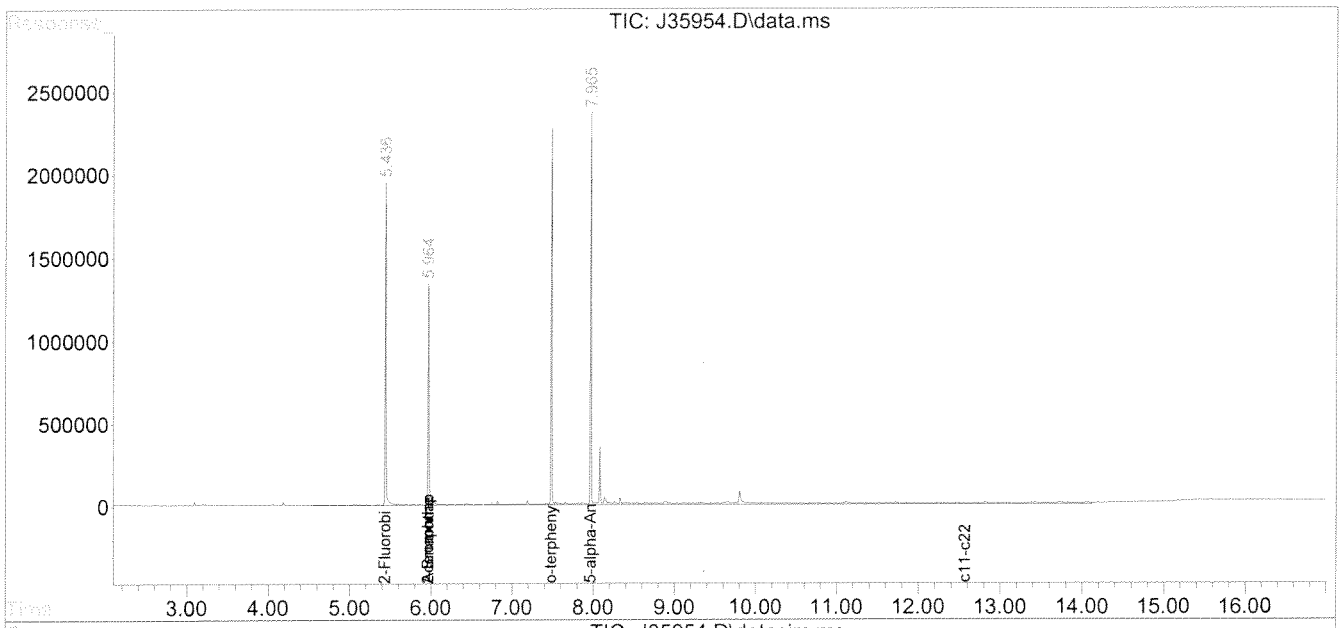
9/23/10

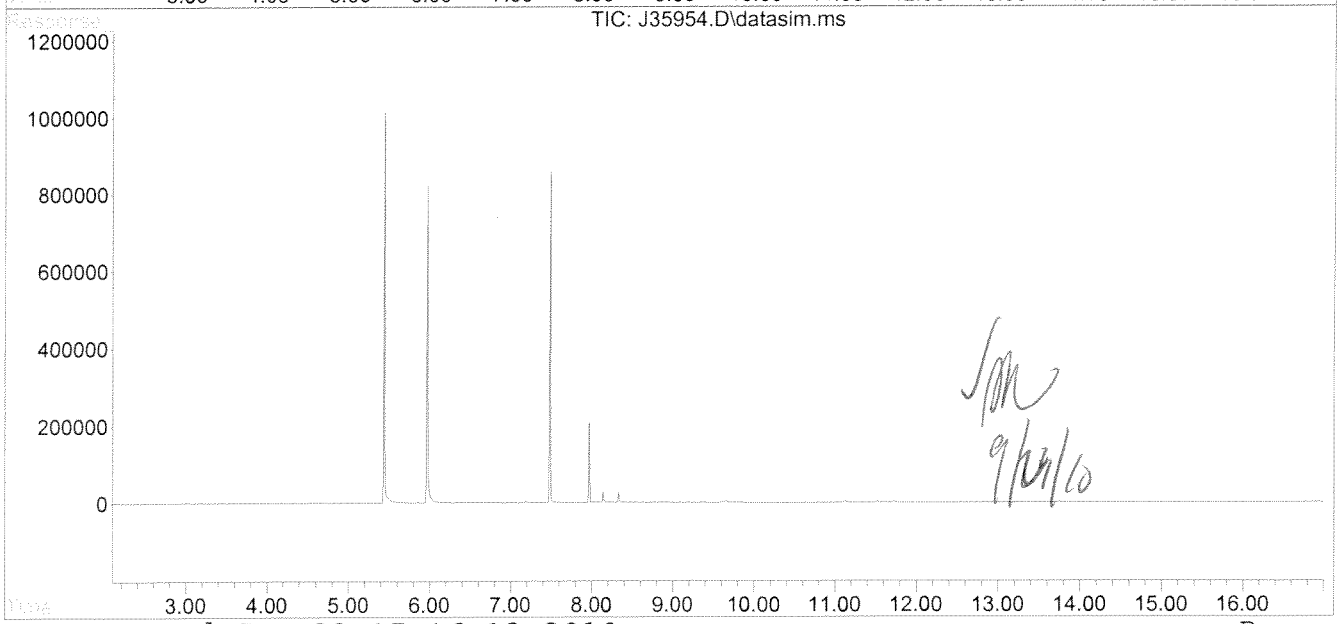
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35954.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:40 pm
Operator : AR/MG
Sample : 67833-15
Misc : SOIL,ARO
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 15:16:11 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71776.D Vial: 37
Acq On : 22 Sep 2010 9:56 am Operator: AR
Sample : 67833-15 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 10:22 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

SG 22 10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5718352 ✓	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	3783771	10.783 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	53.91% 54
Target Compounds			
2) TZM C-9	3.98	37122	<MDL ug/ml
3) TZM C-10	5.01	18764	<MDL ug/ml
4) TZM C-12	6.49	18468	<MDL ug/ml
5) TZM C-14	7.69	20324	<MDL ug/ml
6) TZM C-16	8.70	45389	<MDL ug/ml
7) TZM C-18	9.62	39289	<MDL ug/ml
8) XH C9-C18	7.38	7350592	19.359 ug/ml
9) TZM C-19	10.02	29880	<MDL ug/ml
10) TZM C-20	10.45	101637	<MDL ug/ml
12) TZM C-22	11.42	136372	<MDL ug/ml
13) TZM C-24	12.69	74691	<MDL ug/ml
14) TZM C-26	14.16	76000	<MDL ug/ml
15) TZM C-28	15.69	49544	<MDL ug/ml
16) TZM C-30	17.23	16988	<MDL ug/ml
17) TZM C-36	21.28	55396	4.309 ug/ml
18) XH C19-C36	11.90	11264904	35.756 ug/ml

20.535 / 33.191

9/23/10

(f)=RT Delta > 1/2 Window (m)=manual int.

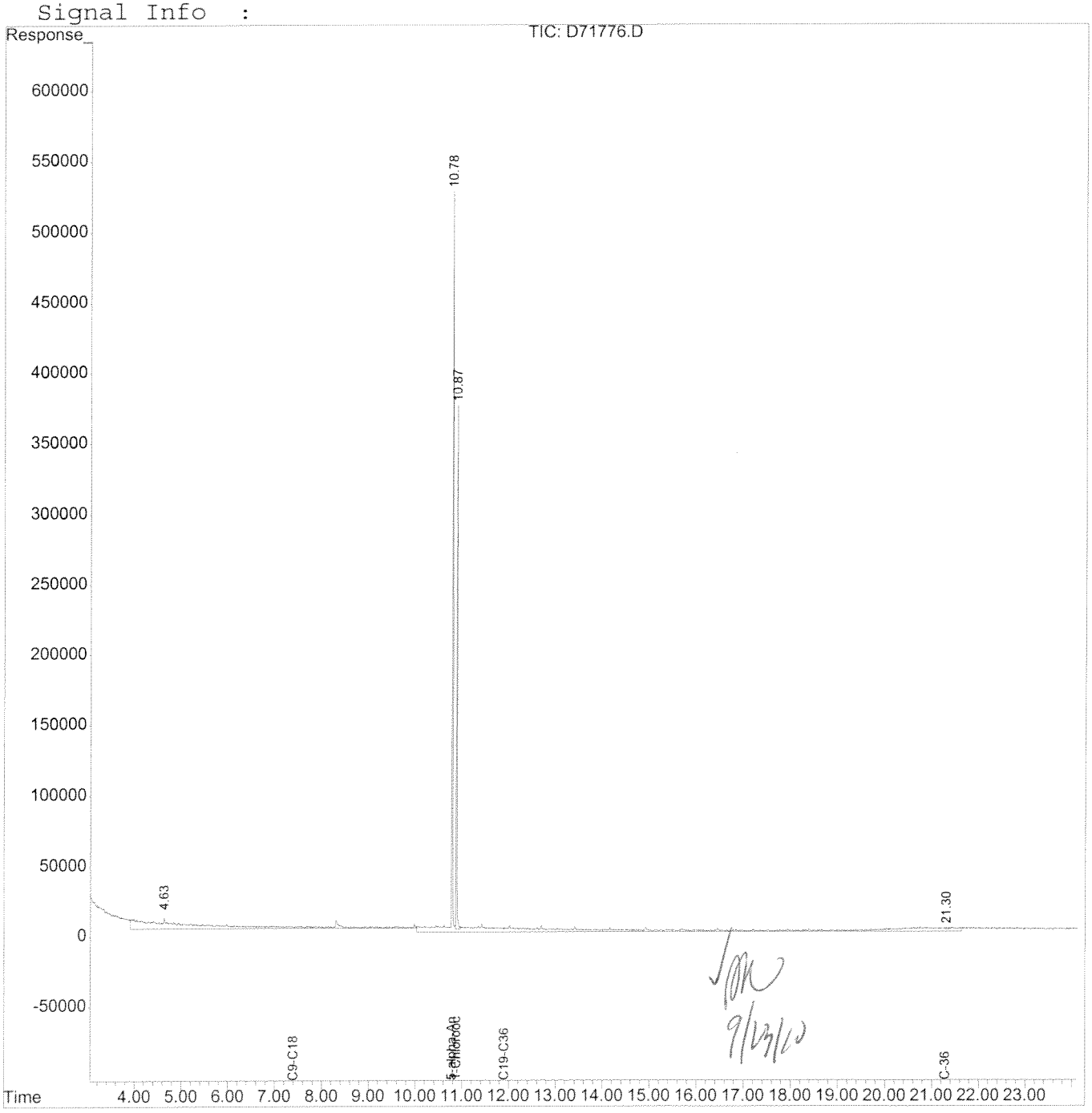
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71776.D Vial: 37
Acq On : 22 Sep 2010 9:56 am Operator: AR
Sample : 67833-15 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 10:22 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

S42210

Volume Inj. :
Signal Phase :
Signal Info :



9/23/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld 82

Project Number: 106-2282
Client Sample ID: C-B82-APN-B-04D

SAMPLE DATA

Lab Sample ID: 67833-16
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27200	µg/kg	U
Diesel PAH Analytes	Naphthalene	272	µg/kg	U
	2-Methylnaphthalene	272	µg/kg	U
	Phenanthrene	272	µg/kg	U
	Acenaphthene	272	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	272	µg/kg	U
	Fluorene	272	µg/kg	U
	Anthracene	272	µg/kg	U
	Fluoranthene	272	µg/kg	U
	Pyrene	272	µg/kg	U
	Benzo[a]anthracene	272	µg/kg	U
	Chrysene	272	µg/kg	U
	Benzo[b]fluoranthene	272	µg/kg	U
	Benzo[k]fluoranthene	272	µg/kg	U
	Benzo[a]pyrene	272	µg/kg	U
	Indeno[1,2,3-cd]pyrene	272	µg/kg	U
	Dibenzo[a,h]anthracene	272	µg/kg	U
	Benzo[g,h,i]perylene	272	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27200	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27200	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27200	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				47
Aromatic Surrogate % Recovery (O-Terphenyl)				69
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				79
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				77
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mabbull

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67833-16

J42210

Dilution Factors	ARO 1.019831		ALI 1.0198312
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		27195
Naphthalene	U		272
2-Methylnaphthalene	U		272
Phenanthrene	U		272
Acenaphthene	U		272
Acenaphthylene	U		272
Fluorene	U		272
Anthracene	U		272
Fluoranthene	U		272
Pyrene	U		272
Benzo[a]anthracene	U		272
Chrysene	U		272
Benzo[b] fluoranthene	U		272
Benzo[k] fluoranthene	U		272
Benzo[a] pyrene	U		272
Indeno [1,2,3-cd] pyrene	U		272
Dibenz [a,h] anthracene	U		272
Benzo(g,h,i) perylene	U		272
C9-C18 Aliphatics	U		27195
C19-C36 Aliphatics	U		27195
C11-C22 Aromatics	U		27195
1-Chlorooctadecane (Ali)	47%	40-140%	PASS
o-terphenyl (Aro)	69%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	79%	40-140%	PASS
2-Bromonaphthalene (Fraction)	77%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35955.D	---------
Date Acquired	9/22/2010 14:03	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.31**	15.31
% Solid (divided by 100)	**0.9607**	0.9607
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	1
Calculation Factor	135.9775	135.9775

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-136	Quadratic
2-Methylnaphthalene	-1.00	-136	Quadratic
Acenaphthylene	-1.00	-136	Quadratic
Acenaphthene	-1.00	-136	Quadratic
Fluorene	-1.00	-136	Quadratic
Phenanthrene	-1.00	-136	Quadratic
Anthracene	-1.00	-136	Quadratic
Fluoranthene	-1.00	-136	Quadratic
Pyrene	-1.00	-136	Quadratic
Benzo[a]anthracene	0.00	0	Avg RF
Chrysene	0.00	0	Avg RF
Benzo[b] fluoranthene	0.01	1	Avg RF
Benzo[k] fluoranthene	0.00	0	Avg RF
Benzo[a] pyrene	0.00	0	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.00	0	Avg RF
C11-C22	**36.243**	1710	
ARO Hexane Blank	**23.671**		
Adjusted C11-C22		2930	
ALIPHATICS			
C9-C18	**20.063**	-64	
C9-C18 Hexane Blank	**20.535**		
C19-C36	**34.513**	180	
C19-C36 Hexane Blank	**33.191**		
Surrogates			
1-Chlorooctadecane (Ali)	**9.304**	47%	
2-Fluorobiphenyl (Fraction)	15.76	79%	
2-Bromonaphthalene (Fraction)	15.42	77%	
o-terphenyl (Aro)	13.71	69%	

9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35955.D
Acq On : 22 Sep 2010 2:03 pm
Operator : AR/MG
Sample : 67833-16
Misc : SOIL,ARO
ALS Vial : 36 Sample Multiplier: 1

342210

Quant Time: Sep 22 15:10:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	91717	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.439	172	546700	15.76 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 78.80%		
10) 2-Bromonaphthalene	5.962	206	244668	15.42 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 77.10%		
11) o-terphenyl	7.480	230	380777	13.71 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 68.55%		

Target Compounds					Qvalue
2) Naphthalene	4.686	128	278	Below Cal	98
3) 2-Methylnaphthalene	5.208	141	667	Below Cal	89
4) Acenaphthylene	5.855	152	275	Below Cal #	68
5) Acenaphthene	5.991	154	83	Below Cal #	48
6) Fluorene	6.412	166	258	Below Cal #	74
7) Phenanthrene	7.185	178	508	Below Cal #	60
8) Anthracene	7.227	178	338	Below Cal #	84
12) Fluoranthene	8.136	202	601	Below Cal #	25
13) Pyrene	8.337	202	805	Below Cal #	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

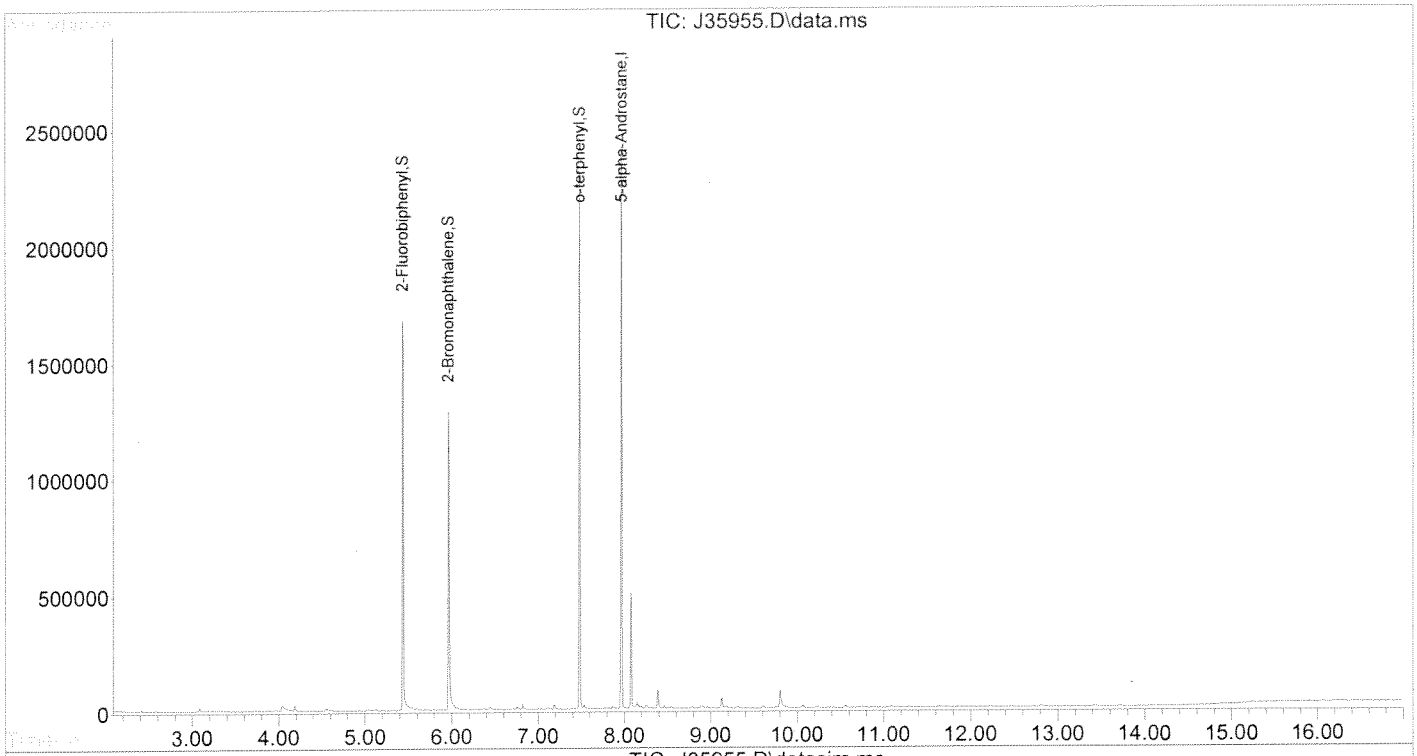
9/23/10

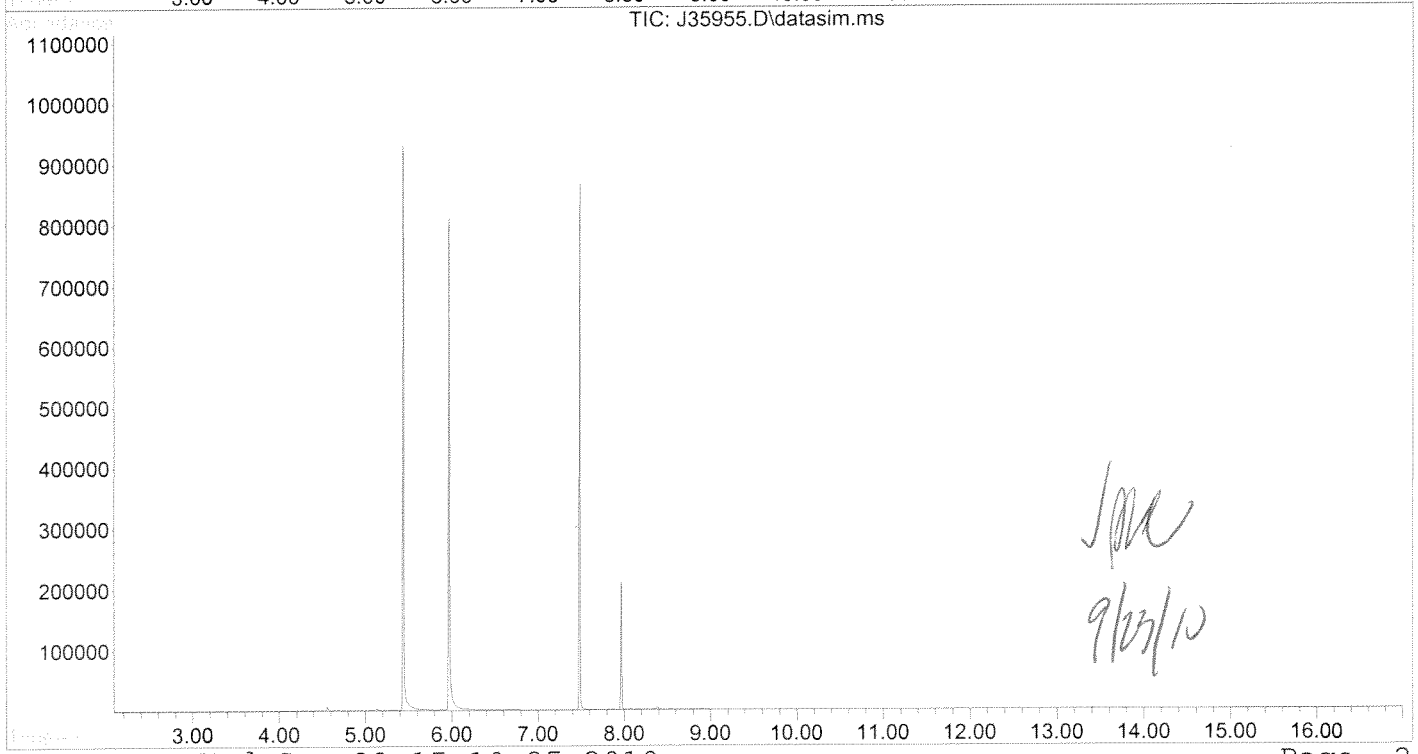
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35955.D
Acq On : 22 Sep 2010 2:03 pm
Operator : AR/MG
Sample : 67833-16
Misc : SOIL,ARO
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 22 15:10:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J42210





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35955.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:03 pm
Operator : AR/MG
Sample : 67833-16
Misc : SOIL,ARO
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 15:16:13 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.968	20348416	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	15821099	15.971 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.86%
10) S 2-Bromonaphthalene	5.966	13232802	17.182 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.91%
11) S o-terphenyl	7.482	17784114	14.253 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	71.27%
Target Compounds			
5) TZ Acenaphthene	5.966f	13232802	12.032 ug/ml
14) TZ Benzo[a]anthracene	9.603	220895	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.089	196935	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.603	9116	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.300	7682	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.421	106091	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.804	53746	<MDL ug/ml
22) XH c11-c22	12.565	36359546	36.243 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

23-671

JM
9/23/10

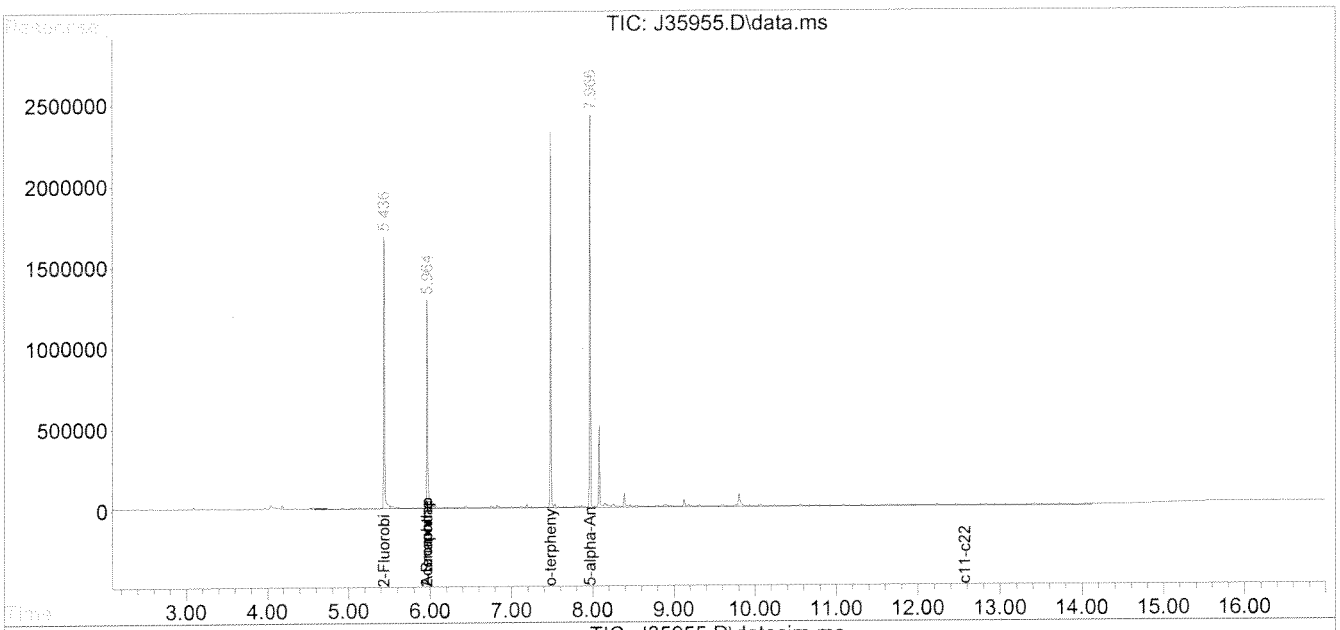
Quantitation Report (Not Reviewed)

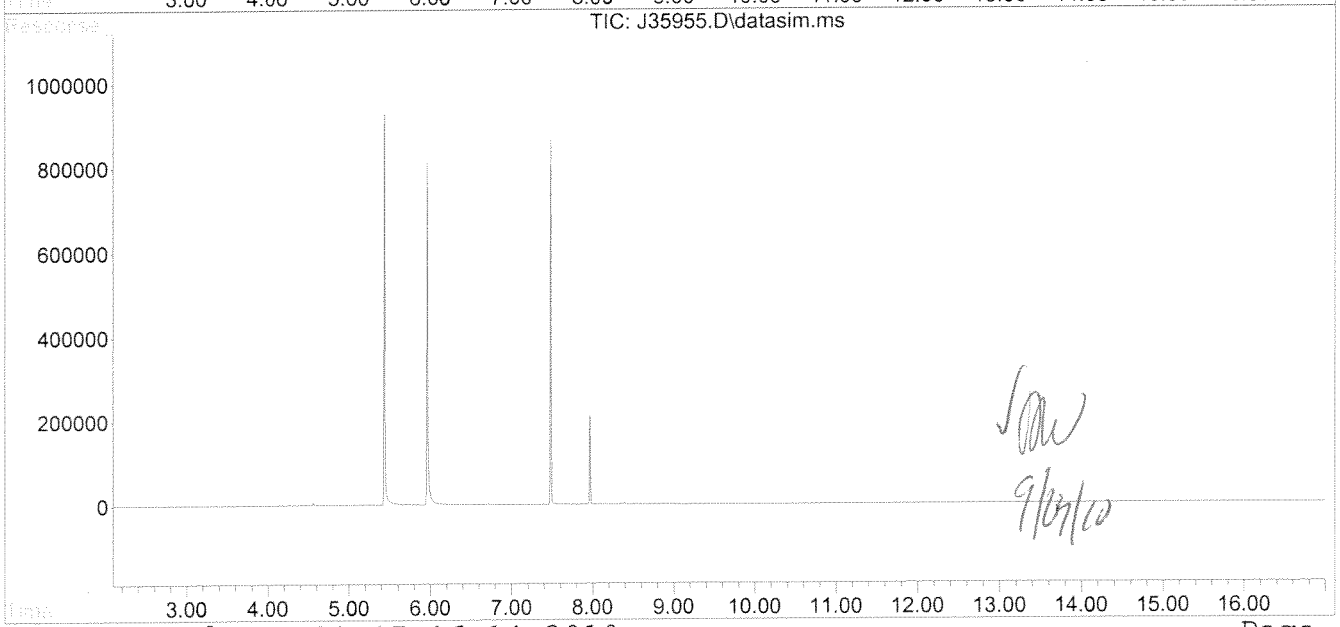
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35955.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:03 pm
Operator : AR/MG
Sample : 67833-16
Misc : SOIL,ARO
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 15:16:13 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J42210

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





SAW 9/07/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71777.D
Vial: 38
Acq On : 22 Sep 2010 10:26 am
Operator: AR
Sample : 67833-16
Inst : GC/MS Ins
Misc : SOIL,ALI
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 11:55 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

J92210

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5815371	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	3320345	9.304 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	46.52%
Target Compounds			
2) TZM C-9	4.02	5203	<MDL ug/ml
3) TZM C-10	5.02	42958	<MDL ug/ml
4) TZM C-12	6.52	58985	<MDL ug/ml
5) TZM C-14	7.67	87460	<MDL ug/ml
6) TZM C-16	8.69	77588	<MDL ug/ml
7) TZM C-18	9.59	56214	<MDL ug/ml
8) XH C9-C18	7.38	7747331	20.063 ug/ml
9) TZM C-19	10.02	52534	<MDL ug/ml
10) TZM C-20	10.45	118273	<MDL ug/ml
12) TZM C-22	11.42	78393	<MDL ug/ml
13) TZM C-24	12.69	69324	<MDL ug/ml
14) TZM C-26	14.16	103730	<MDL ug/ml
15) TZM C-28	15.69	94907	<MDL ug/ml
16) TZM C-30	17.22	15187	<MDL ug/ml
17) TZM C-36	21.27	28558	4.179 ug/ml
18) XH C19-C36	11.90	11057660	34.513 ug/ml

20.535/33.191

9/23/10

(f)=RT Delta > 1/2 Window (m)=manual int.

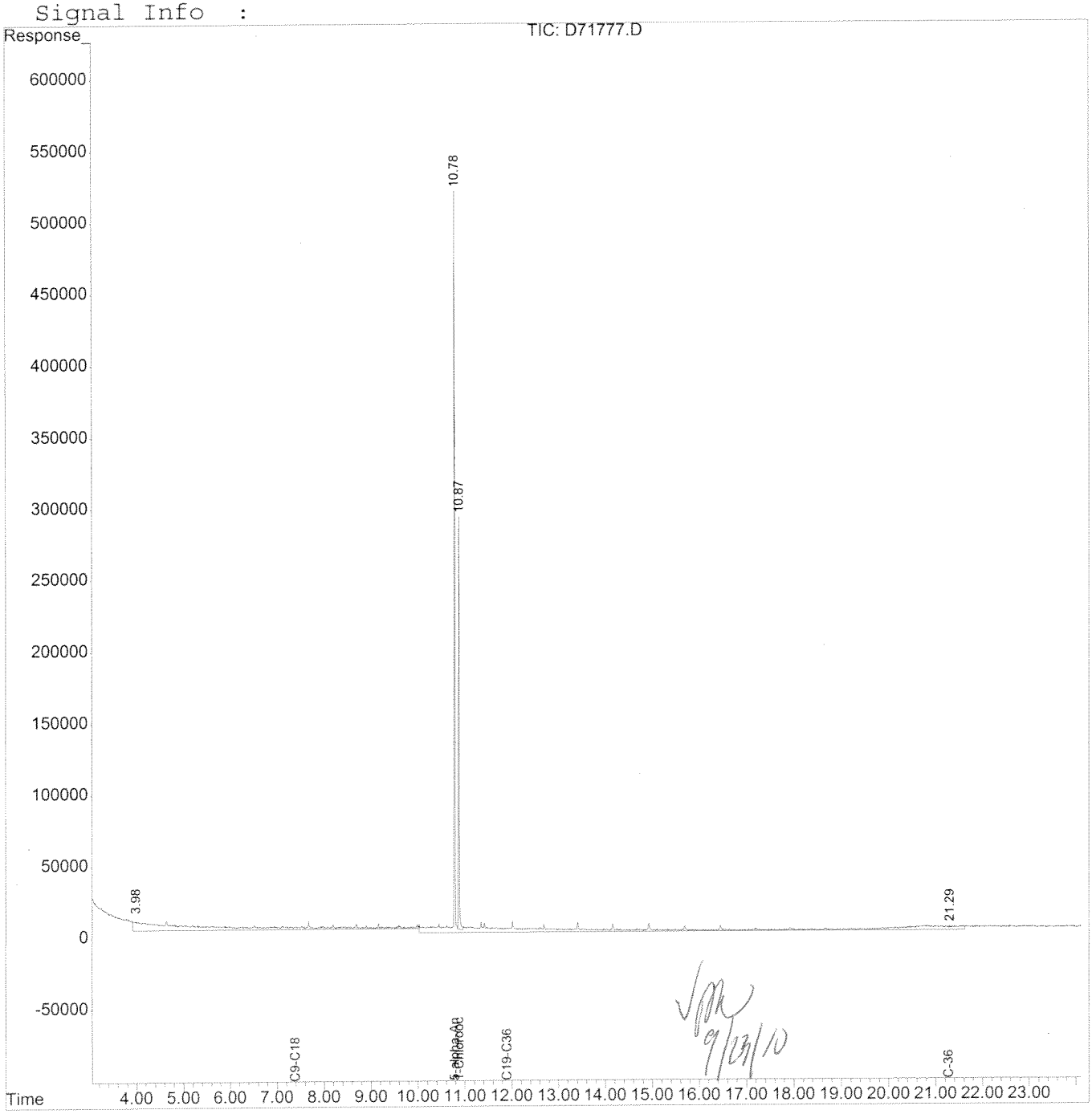
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71777.D
Vial: 38
Acq On : 22 Sep 2010 10:26 am
Operator: AR
Sample : 67833-16
Inst : GC/MS Ins
Misc : SOIL,ALI
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 11:55 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

092210

Volume Inj. :
Signal Phase :
Signal Info :



9/23/10

EPH
QC FORMS

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67833

SAMPLE ID	SMC 1 (%)	#
B092010EASE	65	
L092010EASE	57	
LD092010EASE	62	
67833-1	64	
67833-2	58	
67833-3	59	
67833-4	64	
67833-5	49	
67833-6	56	
67833-6,MS	43	
67833-6,MSD	53	
67833-7	55	
67833-8	48	
67833-9	58	
67833-10	52	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67833

SAMPLE ID	SMC 1 (%)	#
B092010EASE,,RR	66	
67833-11	61	
67833-12	60	
67833-13	50	
67833-14	54	
67833-15	54	
67833-16	47	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67833

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B092010EASE	82		75		79	
L092010EASE	79		72		71	
LD092010EASE	79		73		75	
67833-1	74		70		66	
67833-2	76		74		70	
67833-3	82		76		71	
67833-4	83		70		77	
67833-5	80		74		67	
67833-6	73		70		58	
67833-6,MS	78		73		45	
67833-6,MSD	71		63		49	
67833-7	87		73		72	
67833-8	76		75		52	
67833-9	84		82		71	
67833-10	76		73		62	
67833-11	88		83		71	
67833-12	80		78		69	
67833-13	81		71		69	
67833-14	81		78		72	
67833-15	85		77		71	
67833-16	79		77		69	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

9/02/10

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B092010EASE
Spike: L092010EASE
Spike duplicate: LD092010EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3333	3333	30	140	25	0	1883	56		1958	59		4	
C-10	3333	3333	40	140	25	0	2177	65		2245	67		3	
C-12	3333	3333	40	140	25	0	2249	67		2429	73		8	
C-14	3333	3333	40	140	25	0	2342	70		2456	74		5	
C-16	3333	3333	40	140	25	0	2350	71		2563	77		9	
C-18	3333	3333	40	140	25	0	2421	73		2714	81		11	
C-19	3333	3333	40	140	25	0	2549	76		2678	80		5	
C-20	3333	3333	40	140	25	0	2388	72		2577	77		8	
C-22	3333	3333	40	140	25	0	2359	71		2476	74		5	
C-24	3333	3333	40	140	25	0	2238	67		2320	70		4	
C-26	3333	3333	40	140	25	0	2218	67		2296	69		3	
C-28	3333	3333	40	140	25	0	2156	65		2207	66		2	
C-30	3333	3333	40	140	25	0	1956	59		2241	67		14	
C-36	3333	3333	40	140	25	0	1974	59		2250	68		13	
C9-C18 Aliphatics	20000	20000	40	140	25	0	13423	67		14365	72		7	
C19-C36 Aliphatics	26667	26667	40	140	25	0	17838	67		19044	71		7	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

592210

EPH ALI FORM 3

Data File : D:\HPCHEM\1\DATA\092010-D\D71749Q.D Vial: 16
Acq On : 21 Sep 2010 6:09 pm Operator: AR
Sample : L092010EASE Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV 9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	4983557	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	3498325	11.439 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	57.19%
Target Compounds			
2) TZM C-9	4.01	4370600	14.124 ug/ml
3) TZM C-10	5.00	5167737	16.330 ug/ml
4) TZM C-12	6.48	5732163	16.867 ug/ml
5) TZM C-14	7.66	6121586	17.563 ug/ml
6) TZM C-16	8.68	5931245	17.628 ug/ml
7) TZM C-18	9.59	6077463	18.160 ug/ml
8) XH C9-C18	7.38	44137087	133.381 ug/ml
9) TZM C-19	10.02	6328232	19.117 ug/ml
10) TZM C-20	10.44	5809630	17.908 ug/ml
12) TZM C-22	11.42	5687335	17.696 ug/ml
13) TZM C-24	12.69	5177636	16.784 ug/ml
14) TZM C-26	14.16	4752038	16.632 ug/ml
15) TZM C-28	15.69	4055000	16.173 ug/ml
16) TZM C-30	17.20	3311438	14.670 ug/ml
17) TZM C-36	21.23	2024852	14.807 ug/ml
18) XH C19-C36	11.90	40670742	148.129 ug/ml

9/22/10

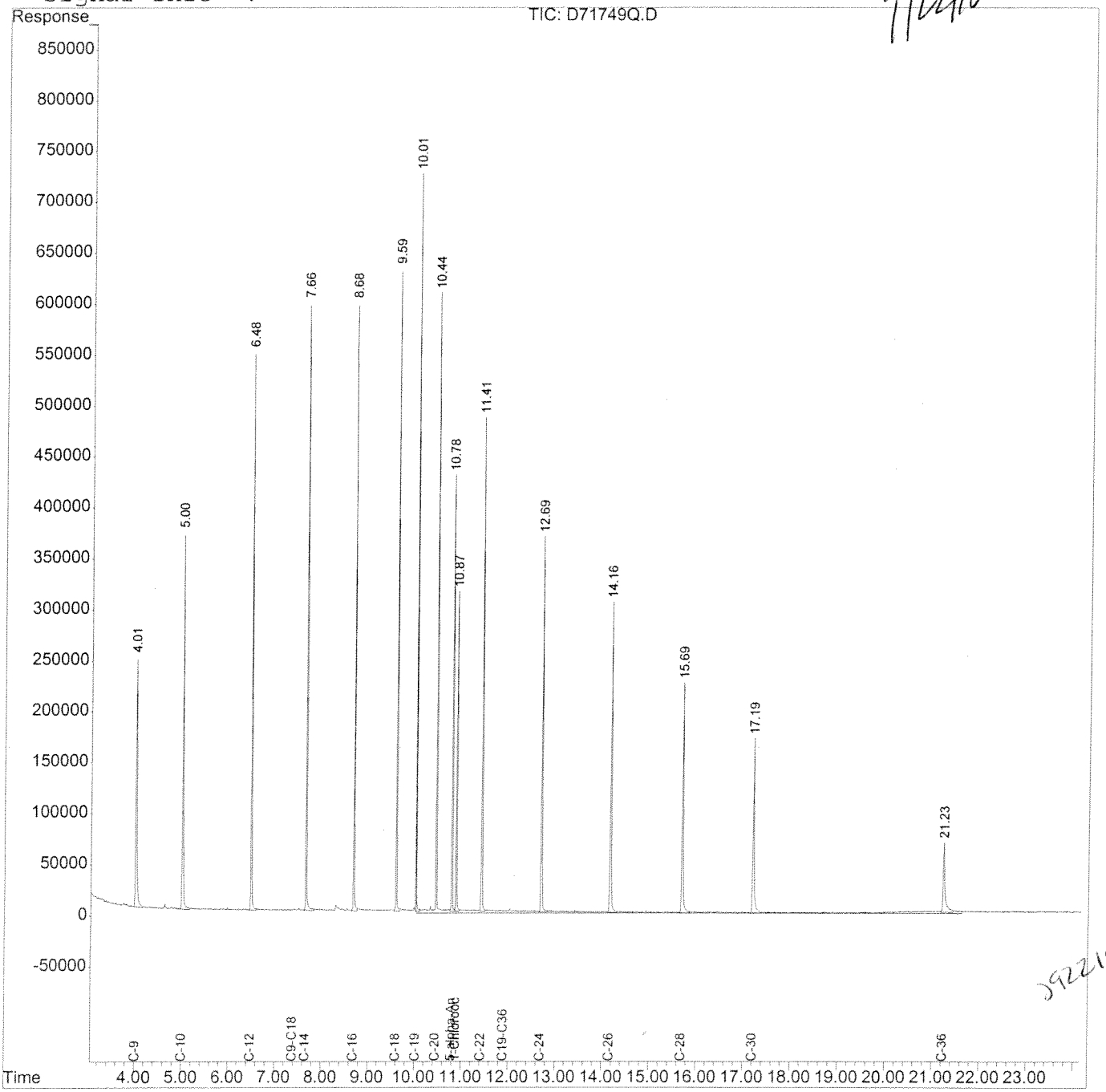
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\092010-D\D71749Q.D Vial: 16
Acq On : 21 Sep 2010 6:09 pm Operator: AR
Sample : L092010EASE Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/22/10



092210

Data File : D:\HPCHEM\1\DATA\092010-D\D71750Q.D Vial: 17
Acq On : 21 Sep 2010 6:39 pm Operator: AR
Sample : LD092010EASE Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PN 9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5391405	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4090402	12.363 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	61.81%
Target Compounds			
2) TZM C-9	4.01	4915701	14.683 ug/ml
3) TZM C-10	5.00	5764627	16.838 ug/ml
4) TZM C-12	6.48	6696658	18.214 ug/ml
5) TZM C-14	7.66	6946202	18.421 ug/ml
6) TZM C-16	8.68	6996319	19.221 ug/ml
7) TZM C-18	9.59	7370724	20.358 ug/ml
8) XH C9-C18	7.38	49657911	138.713 ug/ml
9) TZM C-19	10.02	7191634	20.081 ug/ml
10) TZM C-20	10.44	6783116	19.327 ug/ml
12) TZM C-22	11.42	6456141	18.568 ug/ml
13) TZM C-24	12.69	5805764	17.397 ug/ml
14) TZM C-26	14.16	5322548	17.219 ug/ml
15) TZM C-28	15.69	4489363	16.551 ug/ml
16) TZM C-30	17.20	4104604	16.808 ug/ml
17) TZM C-36	21.23	2624194	16.879 ug/ml
18) XH C19-C36	11.90	46844308	157.708 ug/ml

5/22/10

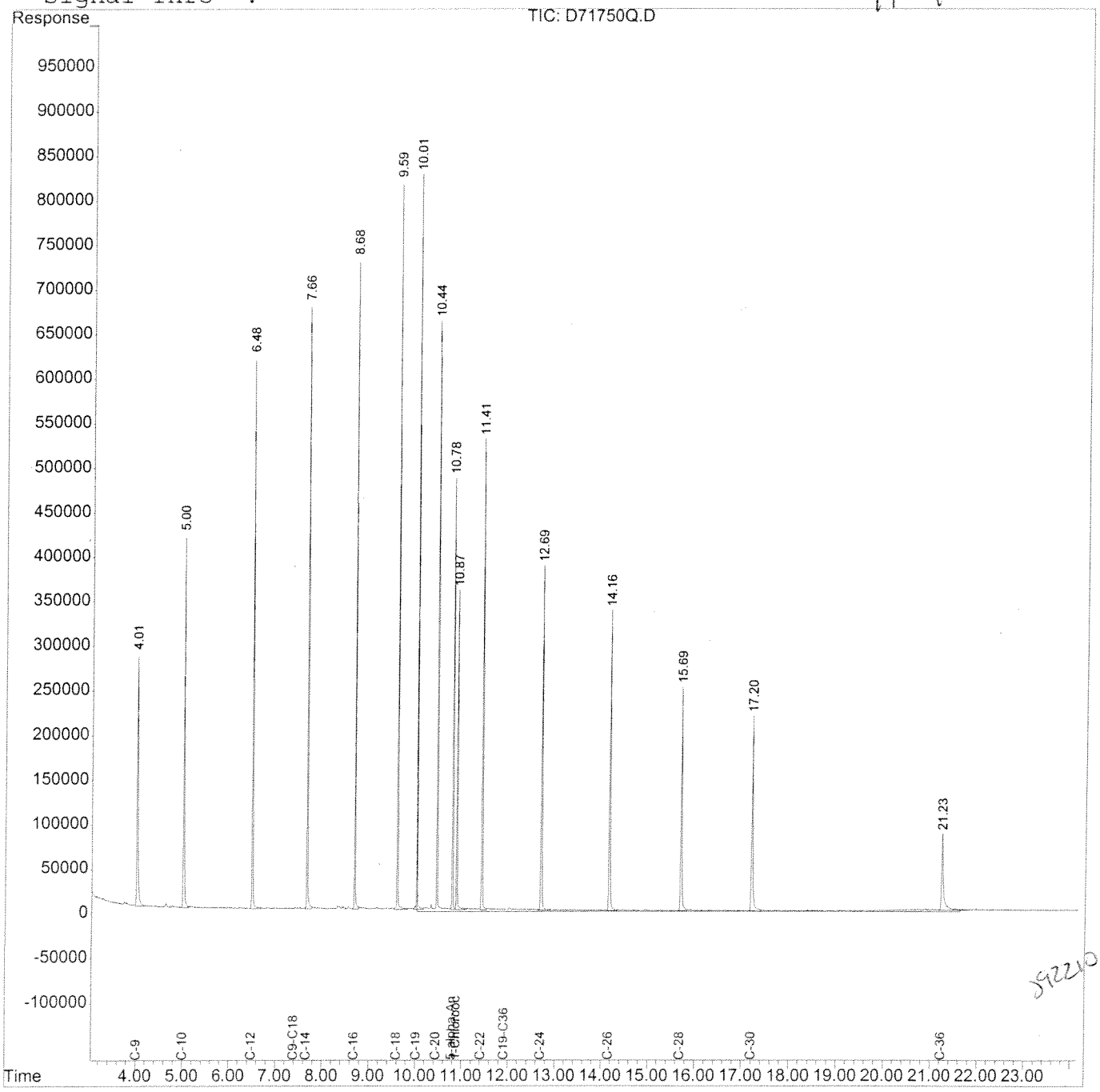
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\092010-D\D71750Q.D Vial: 17
Acq On : 21 Sep 2010 6:39 pm Operator: AR
Sample : LD092010EASE Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/22/10



S92210

EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

392210

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B092010EASE
Spike: L092010EASE
Spike duplicate: LD092010EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3333	3333	40	140	30	0	2117	63		2214	66		4	
2-Methylnaphthalene	3333	3333	40	140	30	0	2291	69		2387	72		4	
Acenaphthylene	3333	3333	40	140	30	0	2349	70		2482	74		5	
Acenaphthene	3333	3333	40	140	30	0	2373	71		2500	75		5	
Fluorene	3333	3333	40	140	30	0	2500	75		2691	81		7	
Phenanthrene	3333	3333	40	140	30	0	2559	77		2718	82		6	
Anthracene	3333	3333	40	140	30	0	2641	79		2804	84		6	
Fluoranthene	3333	3333	40	140	30	0	2686	81		2894	87		7	
Pyrene	3333	3333	40	140	30	0	2621	79		2835	85		8	
Benzo[a]anthracene	3333	3333	40	140	30	0	2505	75		2673	80		6	
Chrysene	3333	3333	40	140	30	0	2489	75		2666	80		7	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	2449	73		2642	79		8	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	2550	77		2715	81		6	
Benzo[a] pyrene	3333	3333	40	140	30	0	2548	76		2693	81		6	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	2497	75		2662	80		6	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	2529	76		2668	80		5	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	2513	75		2724	82		8	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

ok
9/28/10

EPH ARO FORM 3

Quantitation Report (Not Reviewed)

Q

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35934Q.D
Acq On : 22 Sep 2010 6:02 am
Operator : AR/MG
Sample : L092010EASE
Misc : SOIL,ARO
ALS Vial : 15 Sample Multiplier: 1

J92210

Quant Time: Sep 22 09:23:11 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	87921	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	527458	15.86 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	79.30%	
10) 2-Bromonaphthalene	5.961	206	218050	14.34 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	71.70%	
11) o-terphenyl	7.480	230	377720	14.18 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	70.90%	
Target Compounds					Qvalue
2) Naphthalene	4.555	128	665538	15.87 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	396073	17.19 ug/ml	99
4) Acenaphthylene	5.849	152	787127	17.62 ug/ml	100
5) Acenaphthene	5.991	154	431540	17.80 ug/ml	99
6) Fluorene	6.406	166	576356	18.75 ug/ml	100
7) Phenanthrene	7.175	178	856211	19.19 ug/ml	100
8) Anthracene	7.217	178	873558	19.81 ug/ml	100
12) Fluoranthene	8.135	202	968112	20.15 ug/ml	100
13) Pyrene	8.328	202	995590	19.66 ug/ml	100
14) Benzo[a]anthracene	9.606	228	789638	18.78 ug/ml	98
15) Chrysene	9.653	228	767450	18.67 ug/ml	99
16) Benzo[b] fluoranthene	11.105	252	678180	18.37 ug/ml	98
17) Benzo[k] fluoranthene	11.153	252	699226	19.13 ug/ml	98
18) Benzo[a] pyrene	11.591	252	672534	19.11 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.344	276	529348	18.73 ug/ml	99
20) Dibenz [a,h] anthracene	13.408	278	512981	18.96 ug/ml	99
21) Benzo(g,h,i) perylene	13.749	276	576172	18.85 ug/ml	99

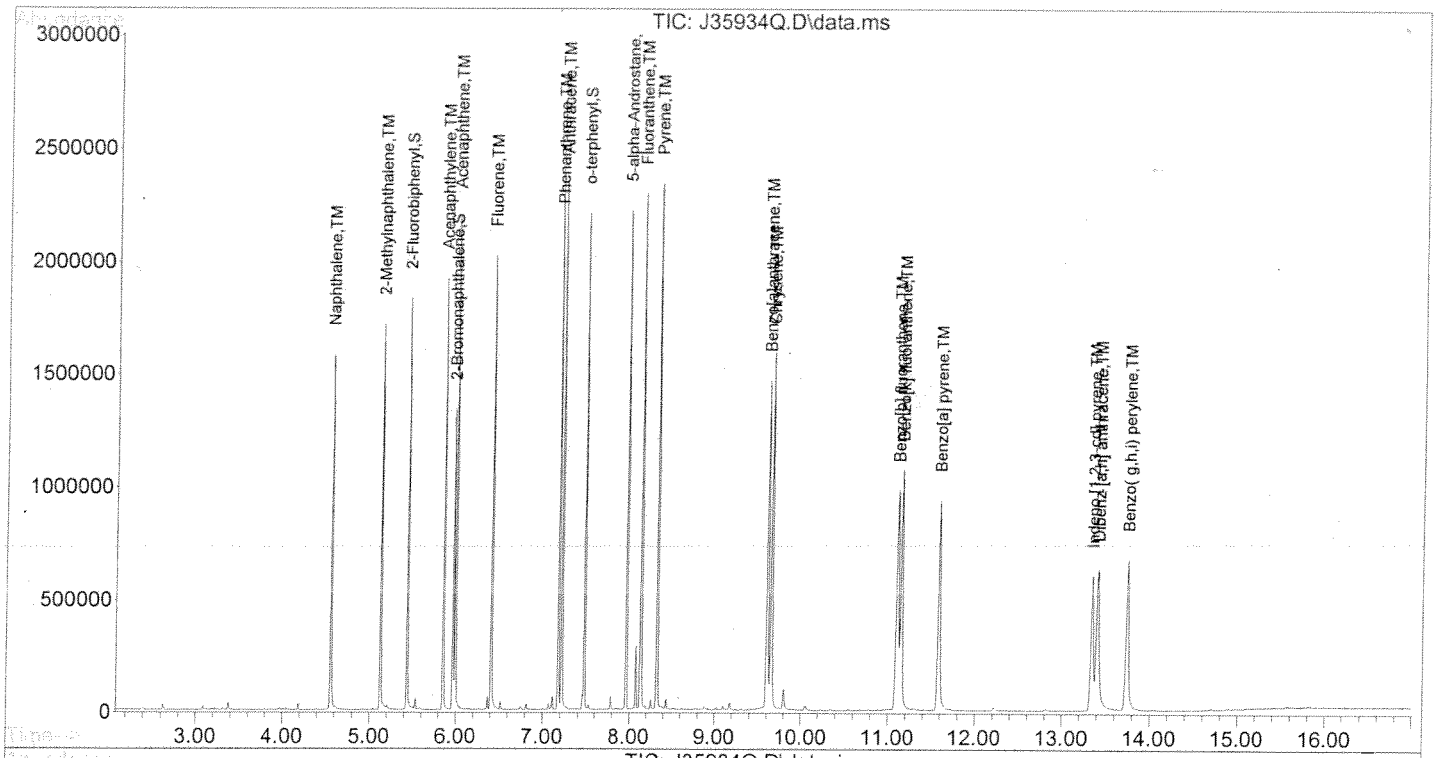
(#) = qualifier out of range (m) = manual integration (+) = signals summed

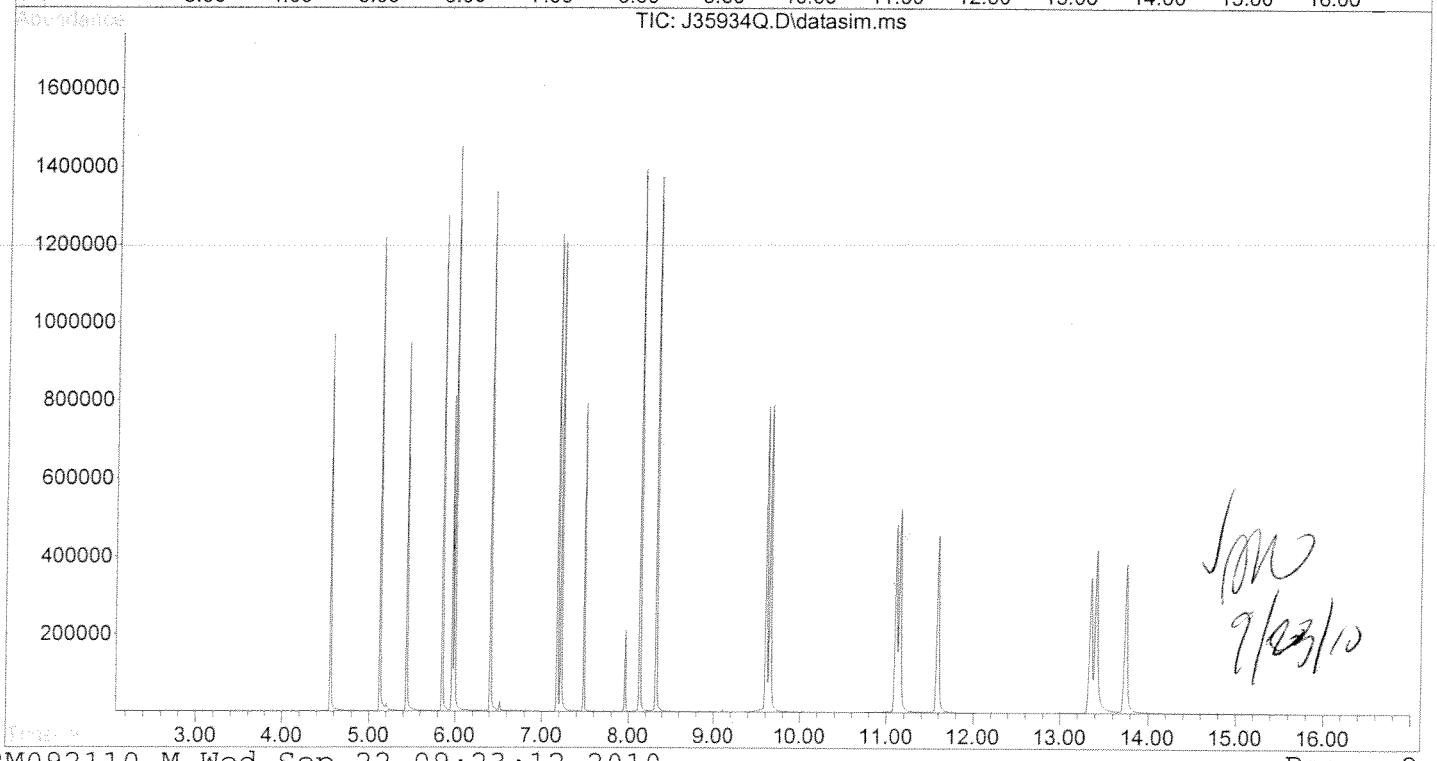
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35934Q.D
Acq On : 22 Sep 2010 6:02 am
Operator : AR/MG
Sample : L092010EASE
Misc : SOIL,ARO
ALS Vial : 15 Sample Multiplier: 1

J92210

Quant Time: Sep 22 09:23:11 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35935Q.D
Acq On : 22 Sep 2010 6:25 am
Operator : AR/MG
Sample : LD092010EASE
Misc : SOIL,ARO
ALS Vial : 16 Sample Multiplier: 1

Q

J92210

Quant Time: Sep 22 09:23:13 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	101781	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	607168	15.77 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	78.85%	
10) 2-Bromonaphthalene	5.962	206	258509	14.68 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	73.40%	
11) o-terphenyl	7.480	230	460190	14.93 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	74.65%	
Target Compounds					Qvalue
2) Naphthalene	4.556	128	803163	16.60 ug/ml	99
3) 2-Methylnaphthalene	5.131	141	476007	17.91 ug/ml	99
4) Acenaphthylene	5.849	152	958163	18.61 ug/ml	100
5) Acenaphthene	5.991	154	523768	18.75 ug/ml	99
6) Fluorene	6.407	166	713477	20.19 ug/ml	99
7) Phenanthrene	7.175	178	1047125	20.39 ug/ml	100
8) Anthracene	7.218	178	1067067	21.03 ug/ml	99
12) Fluoranthene	8.136	202	1197758	21.71 ug/ml	100
13) Pyrene	8.328	202	1237131	21.26 ug/ml	100
14) Benzo[a]anthracene	9.609	228	975493	20.05 ug/ml	98
15) Chrysene	9.657	228	951403	19.99 ug/ml	100
16) Benzo[b] fluoranthene	11.109	252	846884	19.81 ug/ml	98
17) Benzo[k] fluoranthene	11.157	252	861845	20.36 ug/ml	98
18) Benzo[a] pyrene	11.595	252	822944	20.20 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.353	276	653296	19.96 ug/ml	99
20) Dibenz [a,h] anthracene	13.417	278	626693	20.01 ug/ml	99
21) Benzo(g,h,i) perylene	13.754	276	723100	20.43 ug/ml	99

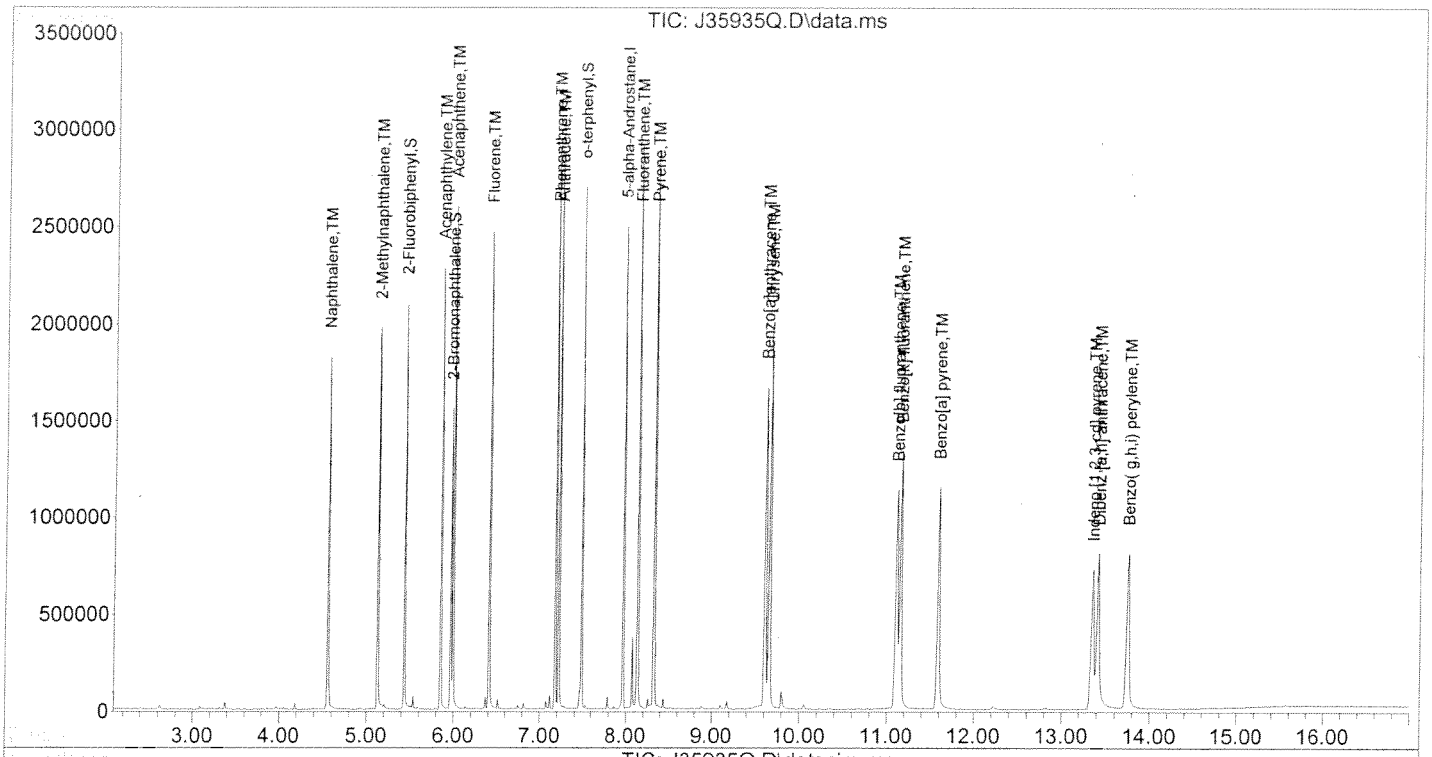
(#) = qualifier out of range (m) = manual integration (+) = signals summed

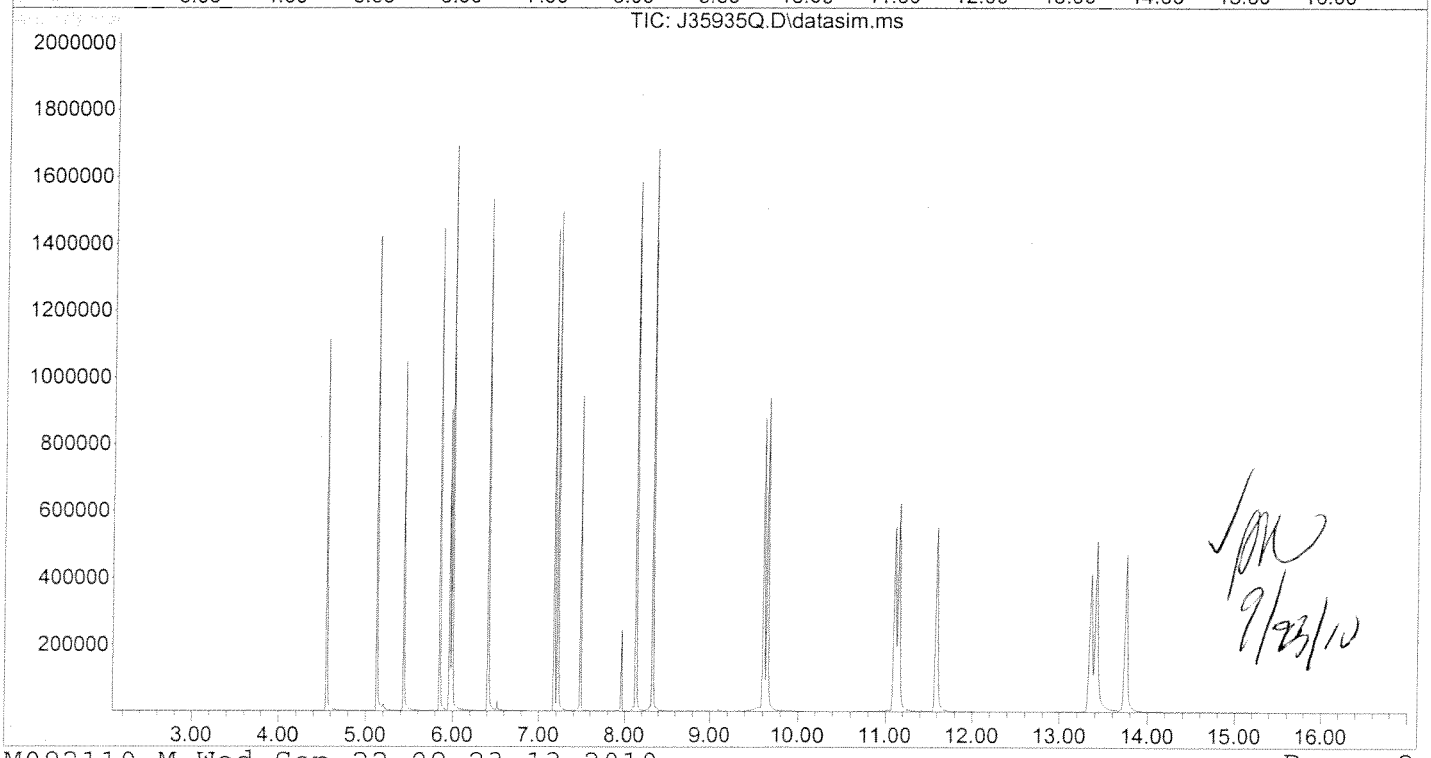
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35935Q.D
Acq On : 22 Sep 2010 6:25 am
Operator : AR/MG
Sample : LD092010EASE
Misc : SOIL,ARO
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 22 09:23:13 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J92210





9/23/10

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

J92210

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: L092010EASE
Aromatic LCS: L092010EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	15.9	0.0	
2-Methylnaphthalene	0	5	0.00	17.2	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35936Q.D
Acq On : 22 Sep 2010 6:47 am
Operator : AR/MG
Sample : L092010EASE
Misc : SOIL,ALI
ALS Vial : 17 Sample Multiplier: 1

S92210

Quant Time: Sep 22 09:23:15 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	99837	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	18	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
10) 2-Bromonaphthalene	5.967	206	16105	0.93 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 4.65%#	
11) o-terphenyl	7.475	230	91	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	

Target Compounds					Qvalue
2) Naphthalene	4.561	128	8715	~~Below Cal~~ #	15
3) 2-Methylnaphthalene	5.137	141	389	Below Cal #	78
4) Acenaphthylene	5.849	152	83	Below Cal #	22
5) Acenaphthene	6.074	154	54	Below Cal	96
6) Fluorene	6.406	166	170	Below Cal	97
7) Phenanthrene	7.185	178	290	Below Cal #	75
8) Anthracene	7.222	178	80	Below Cal #	3
12) Fluoranthene	8.145	202	272	Below Cal #	14
13) Pyrene	8.332	202	301	~~Below Cal~~ #	51

(#) = qualifier out of range (m) = manual integration (+) = signals summed

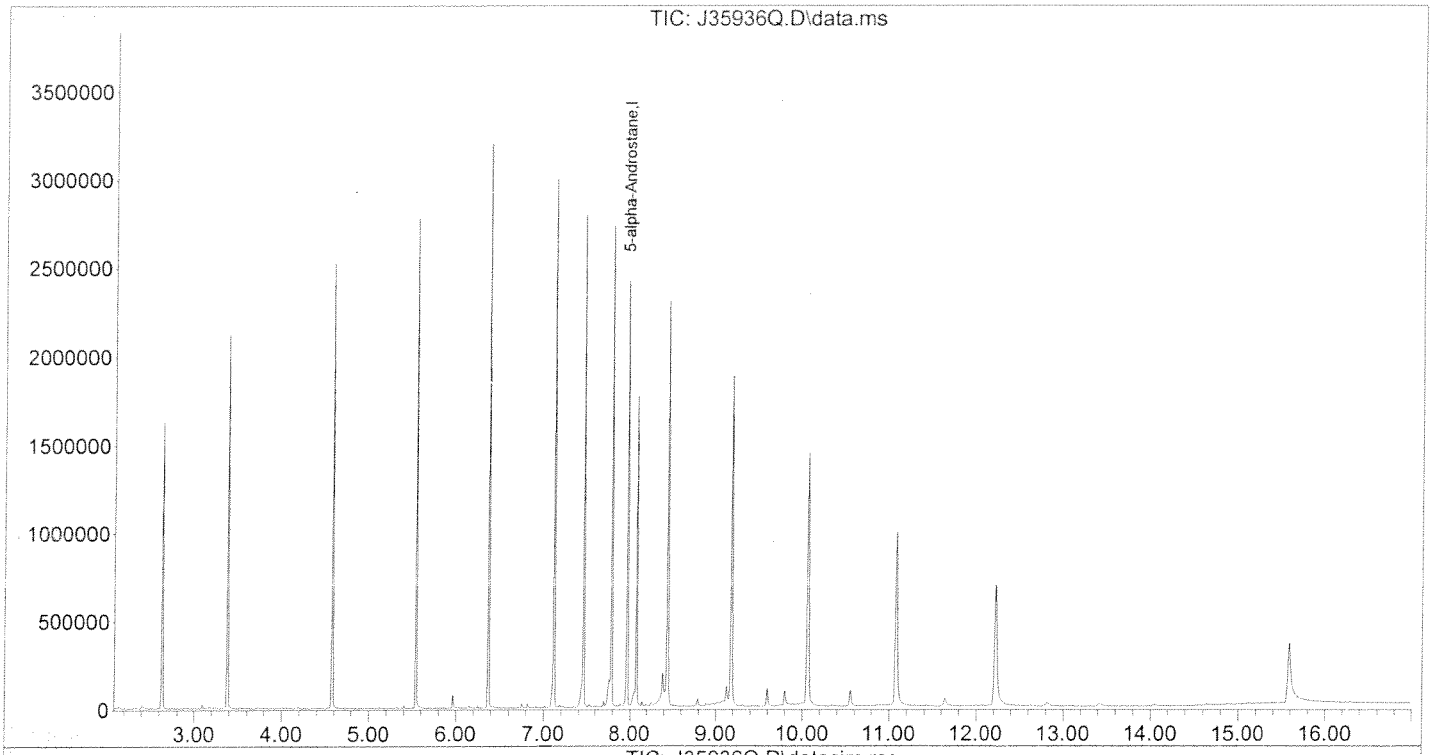
9/23/10

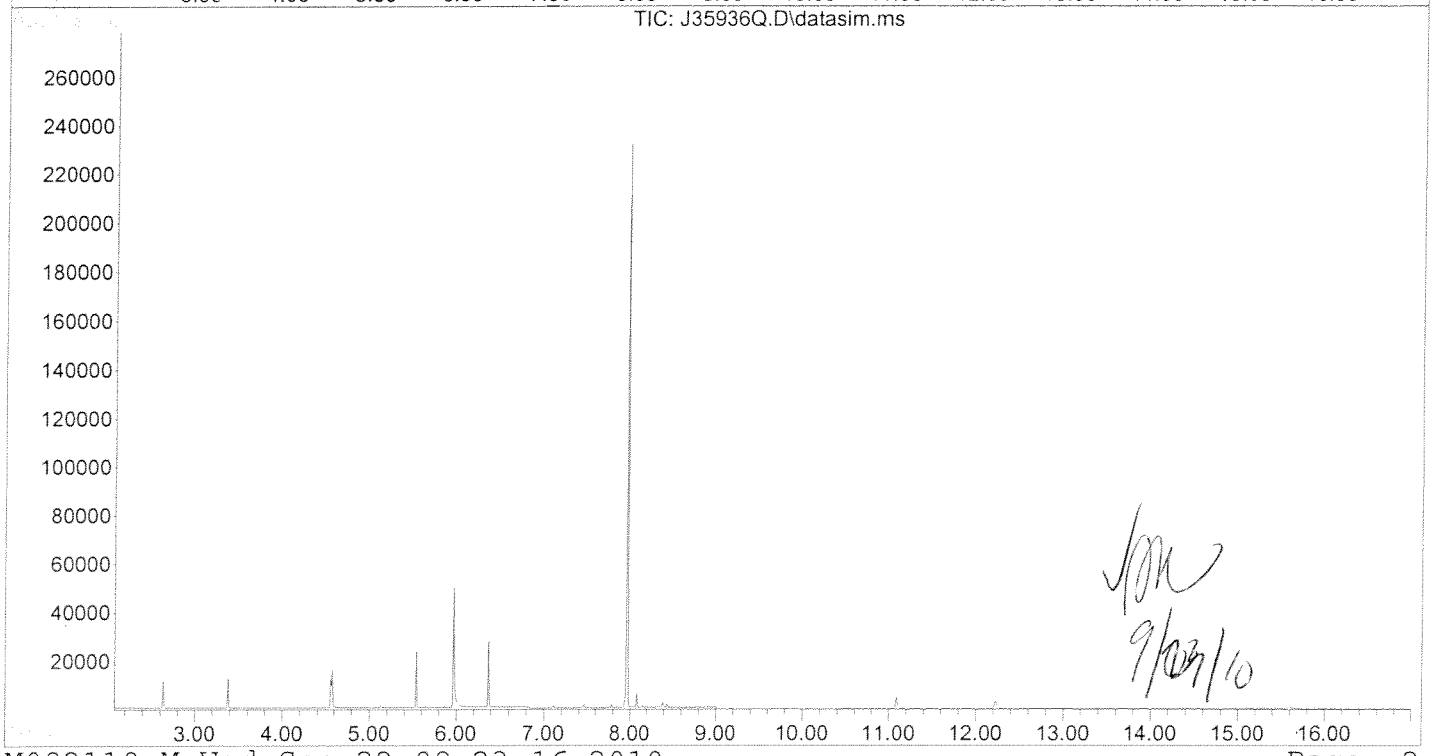
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35936Q.D
Acq On : 22 Sep 2010 6:47 am
Operator : AR/MG
Sample : L092010EASE
Misc : SOIL,ALI
ALS Vial : 17 Sample Multiplier: 1

J92210

Quant Time: Sep 22 09:23:15 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

592210

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: LD092010EASE
Aromatic LCS: LD092010EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	16.6	0.0	
2-Methylnaphthalene	0	5	0.00	17.9	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

9/24/10

EPH ARO BREAKTHROUGH

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35937Q.D
Acq On : 22 Sep 2010 7:10 am
Operator : AR/MG
Sample : LD092010EASE
Misc : SOIL,ALI
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 22 09:23:17 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	99129	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.428	172	13	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
10) 2-Bromonaphthalene	5.962	206	22863	1.33 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 6.65%#	
11) o-terphenyl	7.480	230	59	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
Target Compounds					Qvalue
2) Naphthalene	4.561	128	6608	Below Cal #	1
3) 2-Methylnaphthalene	5.131	141	674	Below Cal #	64
4) Acenaphthylene	5.867	152	70	Below Cal #	1
5) Acenaphthene	5.997	154	49	Below Cal #	1
6) Fluorene	6.406	166	68	Below Cal #	56
7) Phenanthrene	7.185	178	288	Below Cal #	50
8) Anthracene	7.231	178	87	Below Cal #	28
12) Fluoranthene	8.145	202	142	Below Cal #	1
13) Pyrene	8.332	202	208	Below Cal #	1

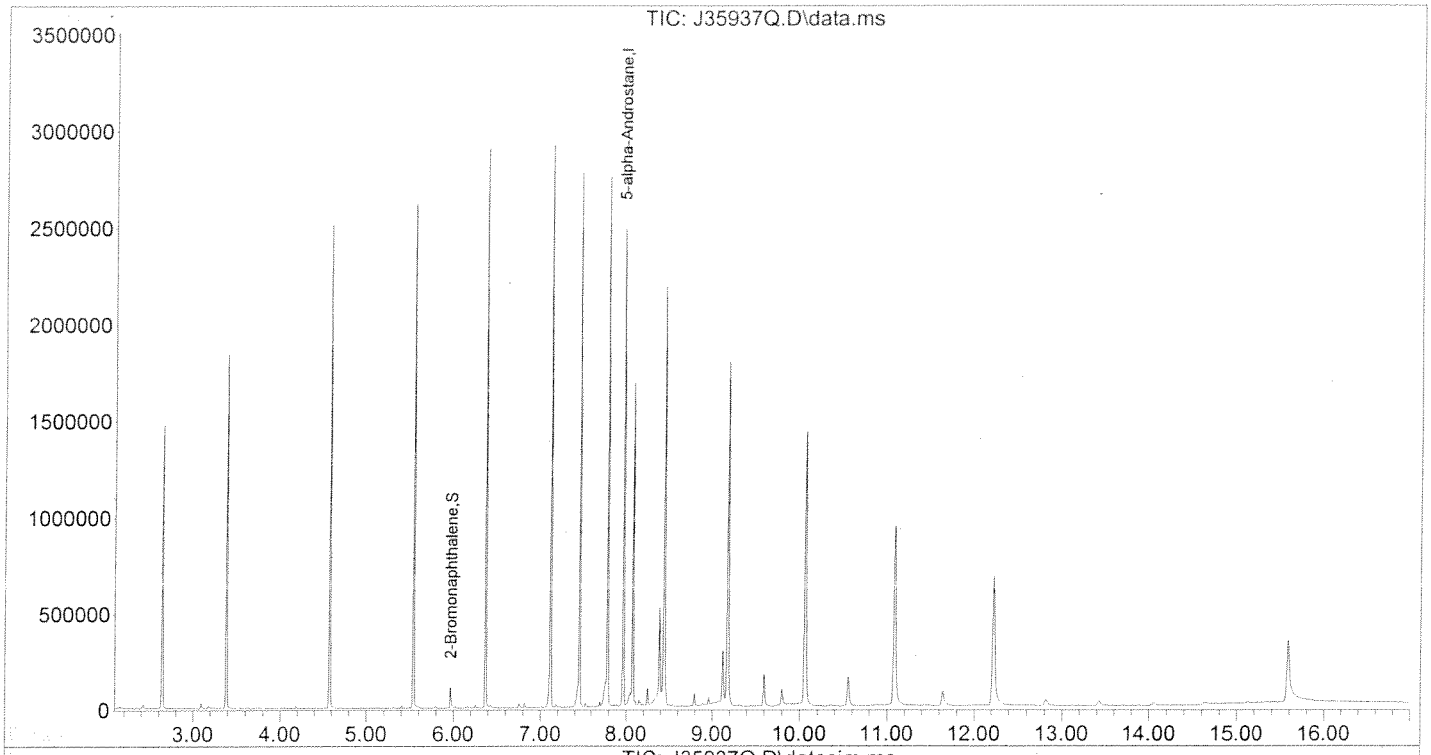
(#) = qualifier out of range (m) = manual integration (+) = signals summed

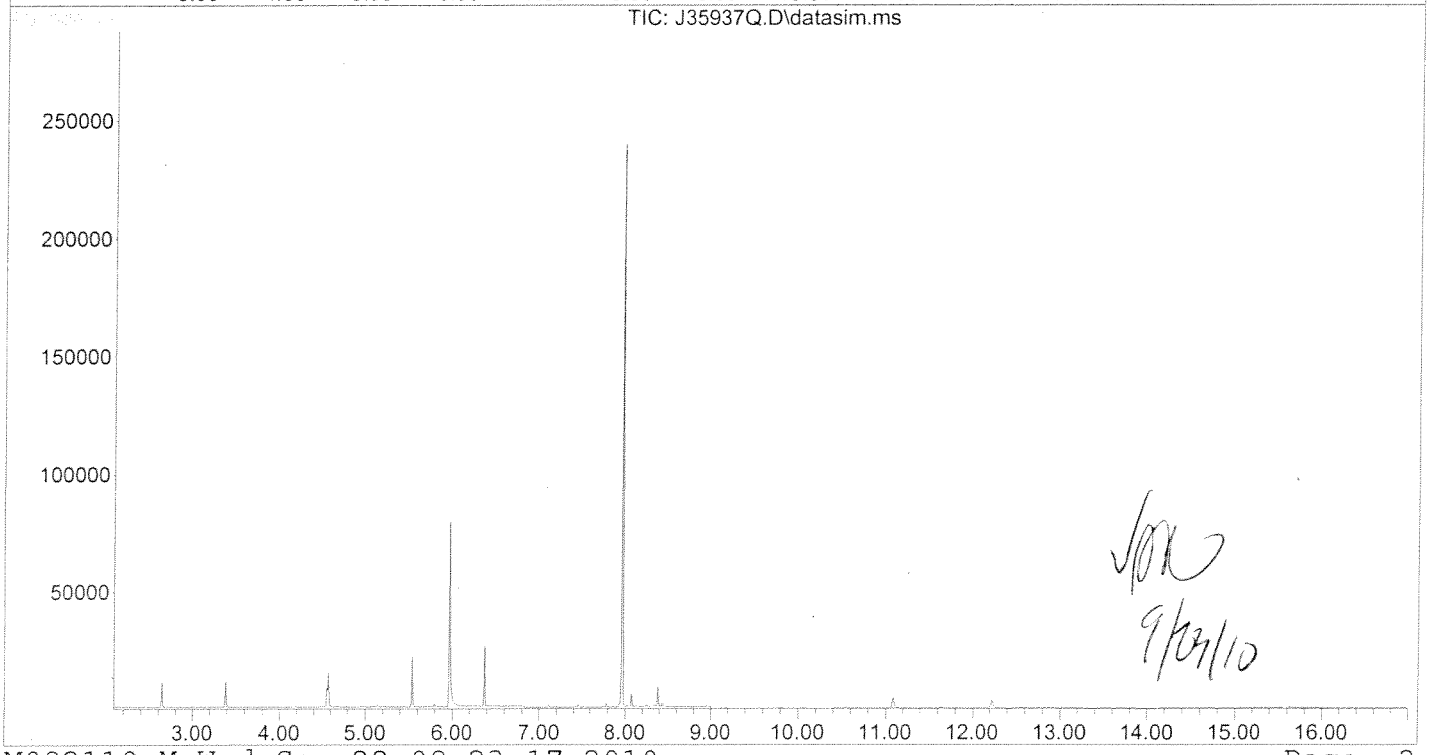
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35937Q.D
Acq On : 22 Sep 2010 7:10 am
Operator : AR/MG
Sample : LD092010EASE
Misc : SOIL,ALI
ALS Vial : 18 Sample Multiplier: 1

S92210

Quant Time: Sep 22 09:23:17 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

J92210

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67833-6
Spike: 67833-6,MS
Spike duplicate: 67833-6,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3513	3600	30	140	50	0	1716	49		1839	51		7	
C-10	3513	3600	40	140	50	0	1998	57		2109	59		5	
C-12	3513	3600	40	140	50	0	2096	60		2190	61		4	
C-14	3513	3600	40	140	50	0	2220	63		2413	67		8	
C-16	3513	3600	40	140	50	0	2361	67		2577	72		9	
C-18	3513	3600	40	140	50	0	2478	71		2638	73		6	
C-19	3513	3600	40	140	50	0	2467	70		2715	75		10	
C-20	3513	3600	40	140	50	0	2514	72		2757	77		9	
C-22	3513	3600	40	140	50	0	2495	71		2532	70		1	
C-24	3513	3600	40	140	50	0	2490	71		2656	74		6	
C-26	3513	3600	40	140	50	0	2434	69		2505	70		3	
C-28	3513	3600	40	140	50	0	2520	72		2451	68		3	
C-30	3513	3600	40	140	50	0	2303	66		2390	66		4	
C-36	3513	3600	40	140	50	0	2453	70		2341	65		5	
C9-C18 Aliphatics	21077	21601	40	140	50	0	12870	61		13766	64		7	
C19-C36 Aliphatics	28102	28802	40	140	50	0	19675	70		20347	71		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

MN
9/22/10

EPH ALI FORM 3

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

9/22/10

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67833-6	SOIL,ALI	2.0	15.51	0.01551	0.9095	1	141.7802
67833-6,MS	SOIL,ALI	2.0	15.65	0.01565	0.9095	1	140.5118
67833-6,MSD	SOIL,ALI	2.0	15.27	0.01527	0.9095	1	144.0085

JON
9/22/10

EPH ALI FORM 3

Data File : D:\HPCHEM\1\DATA\092010-D\D71757SP.D Vial: 24
Acq On : 21 Sep 2010 10:08 pm Operator: AR
Sample : 67833-6,MS Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV 9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5077995	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	2682710	8.609 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	43.05%
Target Compounds			
2) TZM C-9	4.01	3851613	12.215 ug/ml
3) TZM C-10	5.00	4586069	14.222 ug/ml
4) TZM C-12	6.49	5165323	14.916 ug/ml
5) TZM C-14	7.66	5612539	15.803 ug/ml
6) TZM C-16	8.68	5761518	16.805 ug/ml
7) TZM C-18	9.59	6012834	17.633 ug/ml
8) XH C9-C18	7.38	44867724	133.067 ug/ml
9) TZM C-19	10.02	5921494	17.555 ug/ml
10) TZM C-20	10.44	5913742	17.889 ug/ml
12) TZM C-22	11.42	5815076	17.757 ug/ml
13) TZM C-24	12.69	5570827	17.723 ug/ml
14) TZM C-26	14.16	5043578	17.324 ug/ml
15) TZM C-28	15.69	4581235	17.932 ug/ml
16) TZM C-30	17.20	3769603	16.389 ug/ml
17) TZM C-36	21.23	2585936	17.455 ug/ml
18) XH C19-C36	11.90	47682613	170.438 ug/ml

AVR 9/22/10
~~20.274/31.299~~

592210

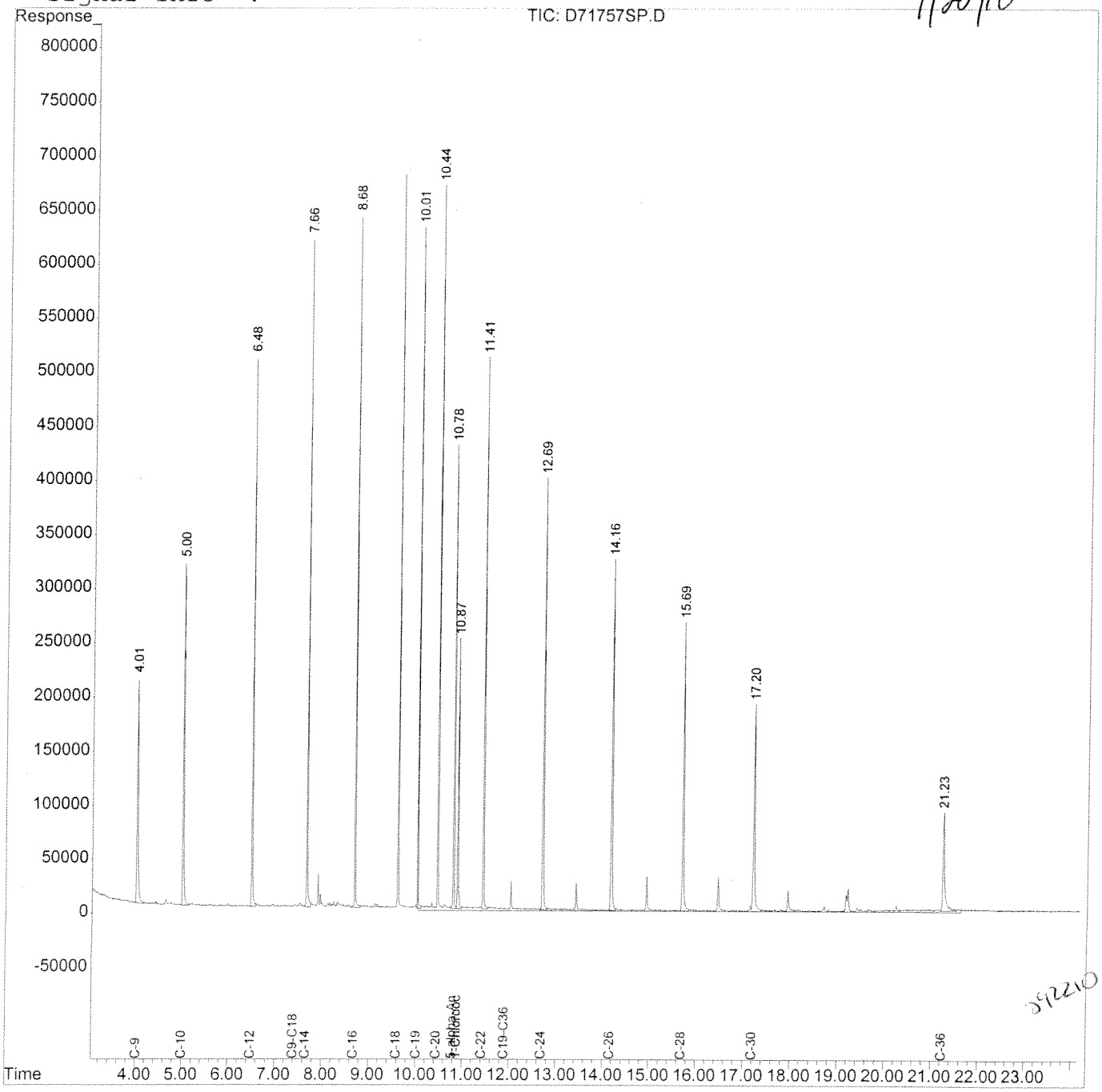
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\092010-D\D71757SP.D Vial: 24
Acq On : 21 Sep 2010 10:08 pm Operator: AR
Sample : 67833-6,MS Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV
9/22/10



9/22/10

Data File : D:\HPCHEM\1\DATA\092010-D\D71758SP.D Vial: 25
Acq On : 21 Sep 2010 10:38 pm Operator: AR
Sample : 67833-6,MSD Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV 9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5484114	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	3539068	10.516 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	52.58%
Target Compounds			
2) TZM C-9	4.02	4348470	12.770 ug/ml
3) TZM C-10	5.01	5101084	14.648 ug/ml
4) TZM C-12	6.49	5688487	15.210 ug/ml
5) TZM C-14	7.66	6425953	16.753 ug/ml
6) TZM C-16	8.68	6625732	17.895 ug/ml
7) TZM C-18	9.59	6745526	18.316 ug/ml
8) XH C9-C18	7.38	49189245	135.081 ug/ml
9) TZM C-19	10.02	6868698	18.855 ug/ml
10) TZM C-20	10.44	6834799	19.145 ug/ml
12) TZM C-22	11.42	6218684	17.583 ug/ml
13) TZM C-24	12.69	6261894	18.446 ug/ml
14) TZM C-26	14.16	5468296	17.392 ug/ml
15) TZM C-28	15.69	4694944	17.017 ug/ml
16) TZM C-30	17.20	4123370	16.600 ug/ml
17) TZM C-36	21.23	2535624	16.253 ug/ml
18) XH C19-C36	11.90	51828495	171.538 ug/ml

5/92210

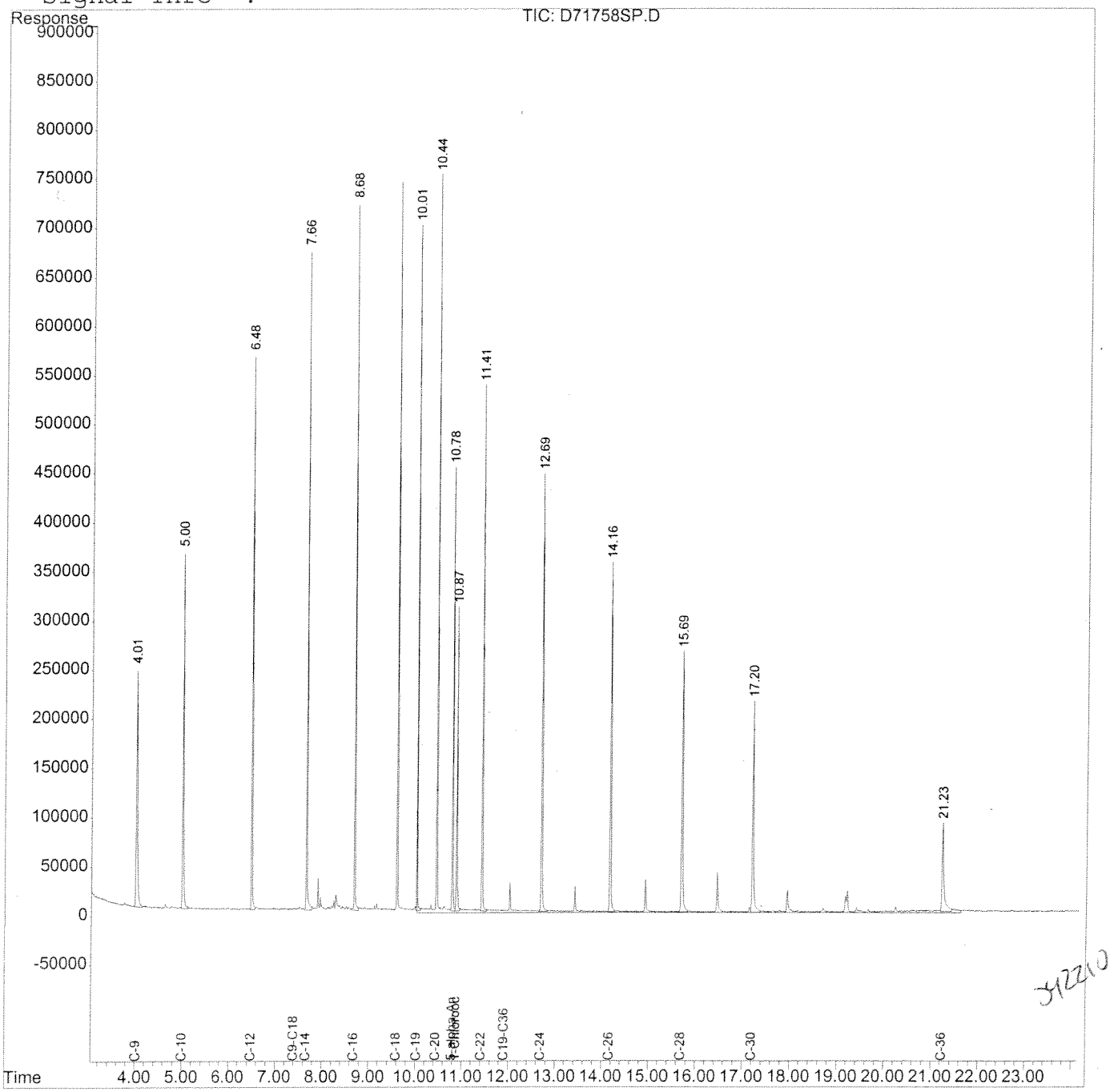
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\092010-D\D71758SP.D Vial: 25
Acq On : 21 Sep 2010 10:38 pm Operator: AR
Sample : 67833-6,MSD Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PN 9/22/10



3/22/10

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

59-2210

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67833-6
Spike: 67833-6,MS
Spike duplicate: 67833-6,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3513	3600	40	140	50	0	1977	56		1782	50		10	
2-Methylnaphthalene	3513	3600	40	140	50	0	2088	59		1968	55		6	
Acenaphthylene	3513	3600	40	140	50	0	2062	59		2024	56		2	
Acenaphthene	3513	3600	40	140	50	0	2101	60		2093	58		0	
Fluorene	3513	3600	40	140	50	0	2285	65		2255	63		1	
Phenanthrene	3513	3600	40	140	50	0	2279	65		2361	66		4	
Anthracene	3513	3600	40	140	50	0	2303	66		2428	67		5	
Fluoranthene	3513	3600	40	140	50	0	2395	68		2515	70		5	
Pyrene	3513	3600	40	140	50	0	2336	67		2474	69		6	
Benzo[a]anthracene	3513	3600	40	140	50	0	2189	62		2400	67		9	
Chrysene	3513	3600	40	140	50	0	2157	61		2413	67		11	
Benzo[b] fluoranthene	3513	3600	40	140	50	0	2115	60		2396	67		12	
Benzo[k] fluoranthene	3513	3600	40	140	50	0	2077	59		2401	67		14	
Benzo[a] pyrene	3513	3600	40	140	50	0	2099	60		2375	66		12	
Indeno [1,2,3-cd] pyrene	3513	3600	40	140	50	0	1981	56		2404	67		19	
Dibenz [a,h] anthracene	3513	3600	40	140	50	0	2031	58		2403	67		17	
Benzo(g,h,i) perylene	3513	3600	40	140	50	0	2074	59		2438	68		16	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

9/03/10

EPH ARO FORM 3

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

592210

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67833-6	SOIL,ARO	2.0	15.51	0.01551	0.9095	1	141.7802
67833-6,MS	SOIL,ARO	2.0	15.65	0.01565	0.9095	1	140.5118
67833-6,MSD	SOIL,ARO	2.0	15.27	0.01527	0.9095	1	144.0085

9/23/10

EPH ARO FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35944SP.D
Acq On : 22 Sep 2010 9:49 am
Operator : AR/MG
Sample : 67833-6,MS
Misc : SOIL,ARO
ALS Vial : 25 Sample Multiplier: 1

J9-2210

Quant Time: Sep 22 12:01:02 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	93214	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	549337	15.58 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	77.90%	78
10) 2-Bromonaphthalene	5.961	206	233890	14.50 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	72.50%	72
11) o-terphenyl	7.480	230	252381	8.94 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	44.70%	45

Target Compounds					Qvalue
2) Naphthalene	4.555	128	630969	14.07 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	367764	14.86 ug/ml	99
4) Acenaphthylene	5.849	152	705223	14.68 ug/ml	100
5) Acenaphthene	5.991	154	389908	14.95 ug/ml	99
6) Fluorene	6.406	166	536904	16.26 ug/ml	98
7) Phenanthrene	7.175	178	778940	16.22 ug/ml	100
8) Anthracene	7.217	178	781026	16.39 ug/ml	100
12) Fluoranthene	8.131	202	884338	17.05 ug/ml	100
13) Pyrene	8.328	202	907573	16.63 ug/ml	100
14) Benzo[a]anthracene	9.606	228	694340	15.58 ug/ml	98
15) Chrysene	9.650	228	669096	15.35 ug/ml	99
16) Benzo[b] fluoranthene	11.102	252	589259	15.05 ug/ml	99
17) Benzo[k] fluoranthene	11.146	252	573025	14.78 ug/ml	99
18) Benzo[a] pyrene	11.588	252	557508	14.94 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.341	276	422551	14.10 ug/ml	99
20) Dibenz [a,h] anthracene	13.408	278	414609	14.46 ug/ml	100
21) Benzo(g,h,i) perylene	13.741	276	478304	14.76 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

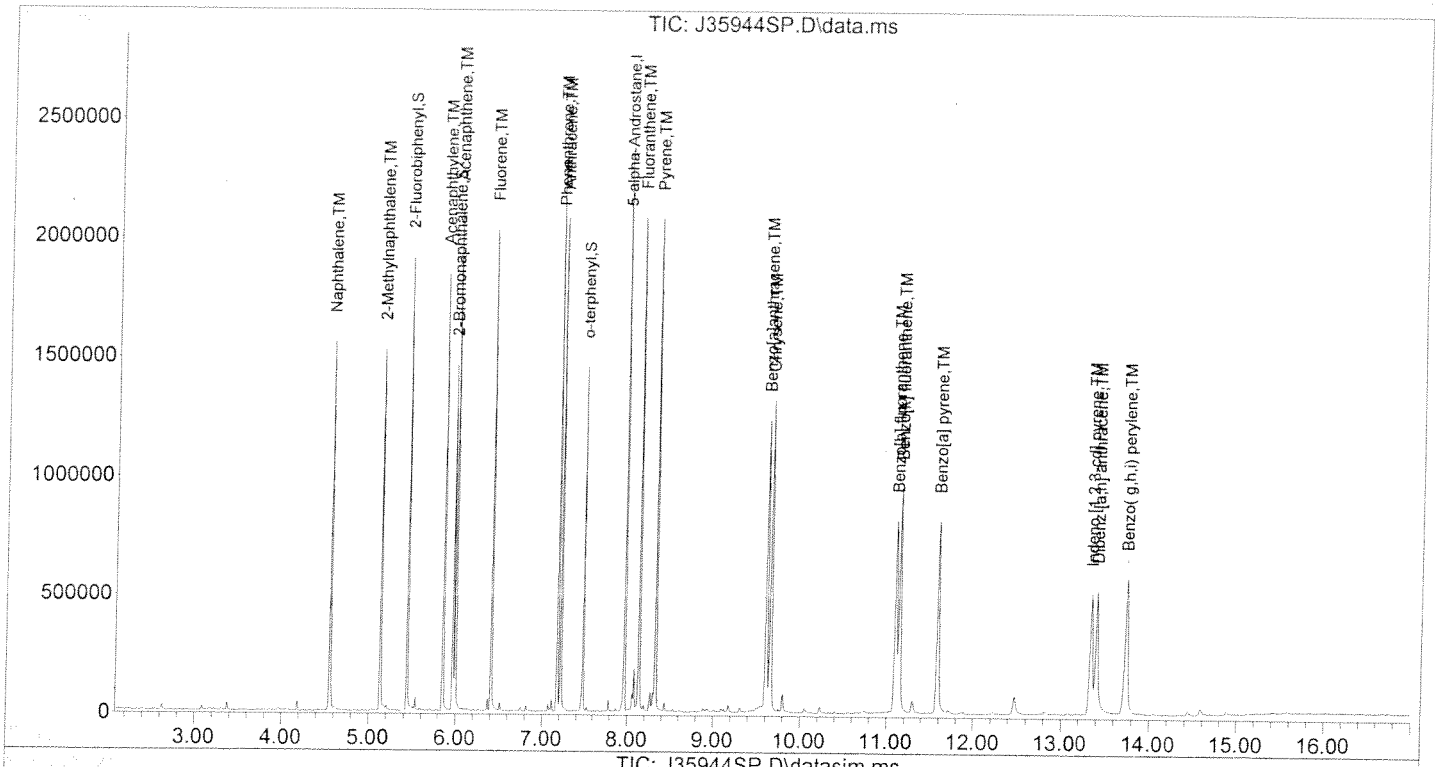
9/23/10

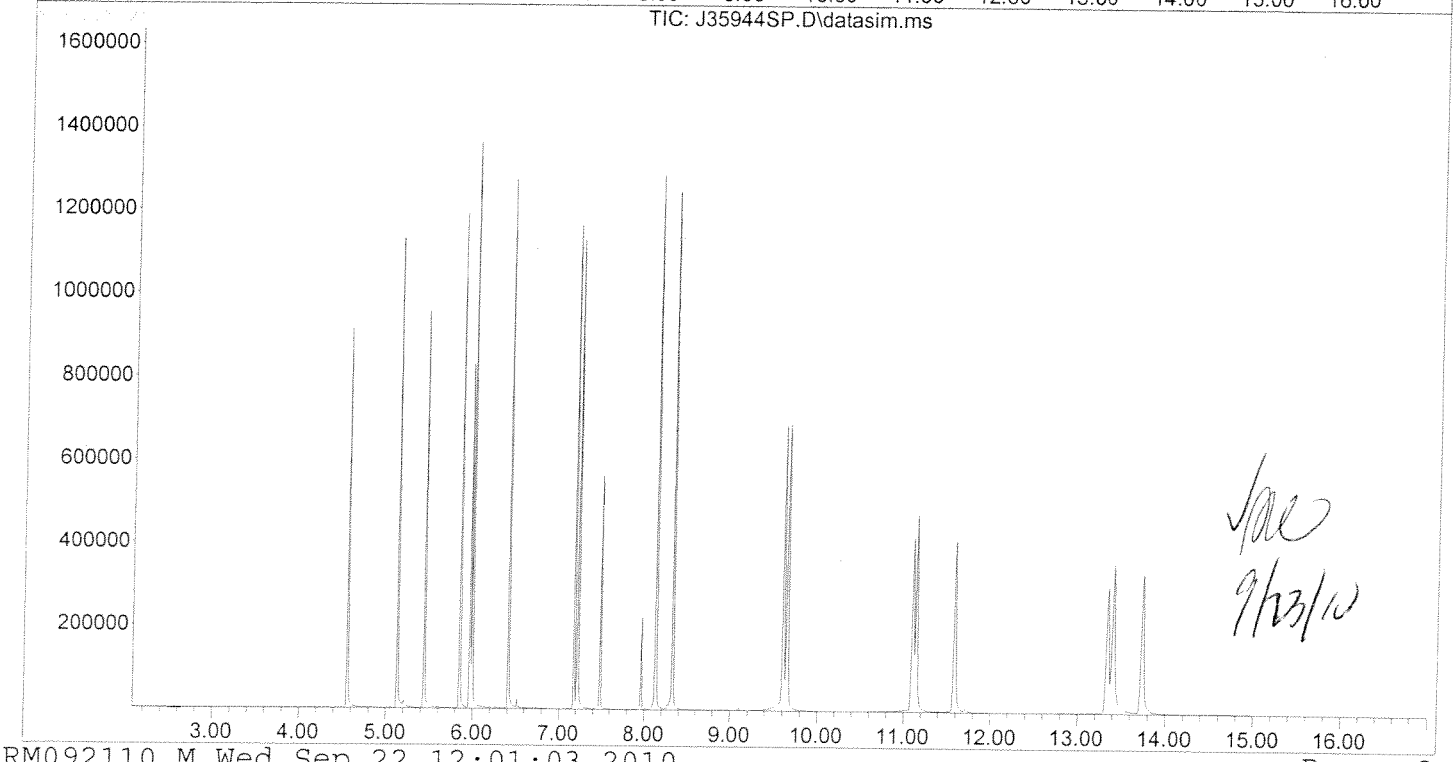
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35944SP.D
Acq On : 22 Sep 2010 9:49 am
Operator : AR/MG
Sample : 67833-6,MS
Misc : SOIL,ARO
ALS Vial : 25 Sample Multiplier: 1

092210

Quant Time: Sep 22 12:01:02 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35945SP.D
Acq On : 22 Sep 2010 10:11 am
Operator : AR/MG
Sample : 67833-6,MSD
Misc : SOIL,ARO
ALS Vial : 26 Sample Multiplier: 1

J92210

Quant Time: Sep 22 12:01:04 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	93716 ✓	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	503639	14.21 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	71.05% 71	
10) 2-Bromonaphthalene	5.962	206	203127	12.53 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	62.65% 63	
11) o-terphenyl	7.480	230	280828	9.89 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	49.45% 49	
Target Compounds					Qvalue
2) Naphthalene	4.556	128	563045	12.38 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	342377	13.66 ug/ml	99
4) Acenaphthylene	5.849	152	681202	14.05 ug/ml	100
5) Acenaphthene	5.991	154	381913	14.53 ug/ml	99
6) Fluorene	6.407	166	521471	15.66 ug/ml	100
7) Phenanthrene	7.175	178	791050	16.40 ug/ml	100
8) Anthracene	7.218	178	805480	16.86 ug/ml	100
12) Fluoranthene	8.131	202	908367	17.46 ug/ml	100
13) Pyrene	8.328	202	939644	17.18 ug/ml	100
14) Benzo[a]anthracene	9.606	228	746649	16.66 ug/ml	99
15) Chrysene	9.650	228	734205	16.76 ug/ml	100
16) Benzo[b] fluoranthene	11.106	252	654816	16.64 ug/ml	99
17) Benzo[k] fluoranthene	11.150	252	649719	16.67 ug/ml	97
18) Benzo[a] pyrene	11.588	252	618766	16.49 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.345	276	502925	16.69 ug/ml	99
20) Dibenz [a,h] anthracene	13.409	278	481079	16.69 ug/ml	99
21) Benzo(g,h,i) perylene	13.746	276	551739	16.93 ug/ml	100

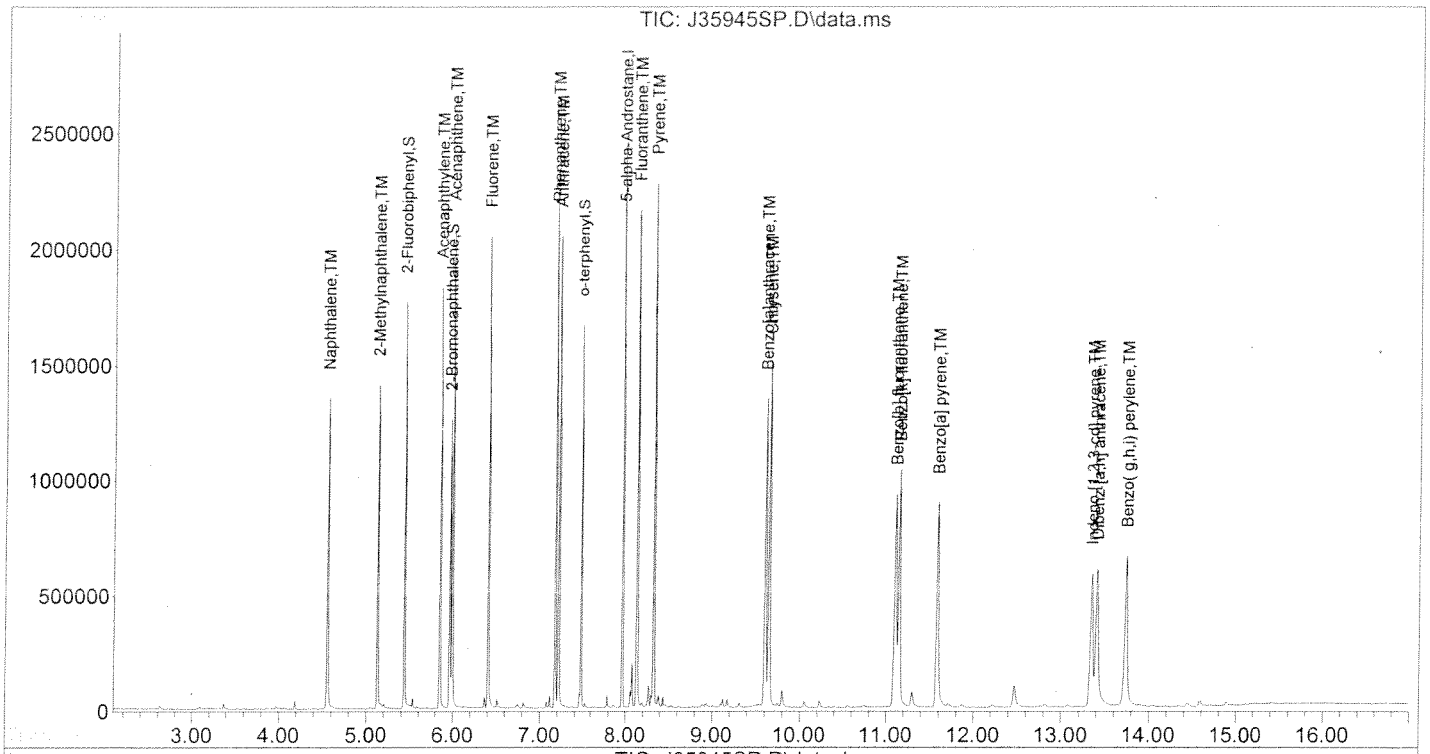
(#) = qualifier out of range (m) = manual integration (+) = signals summed

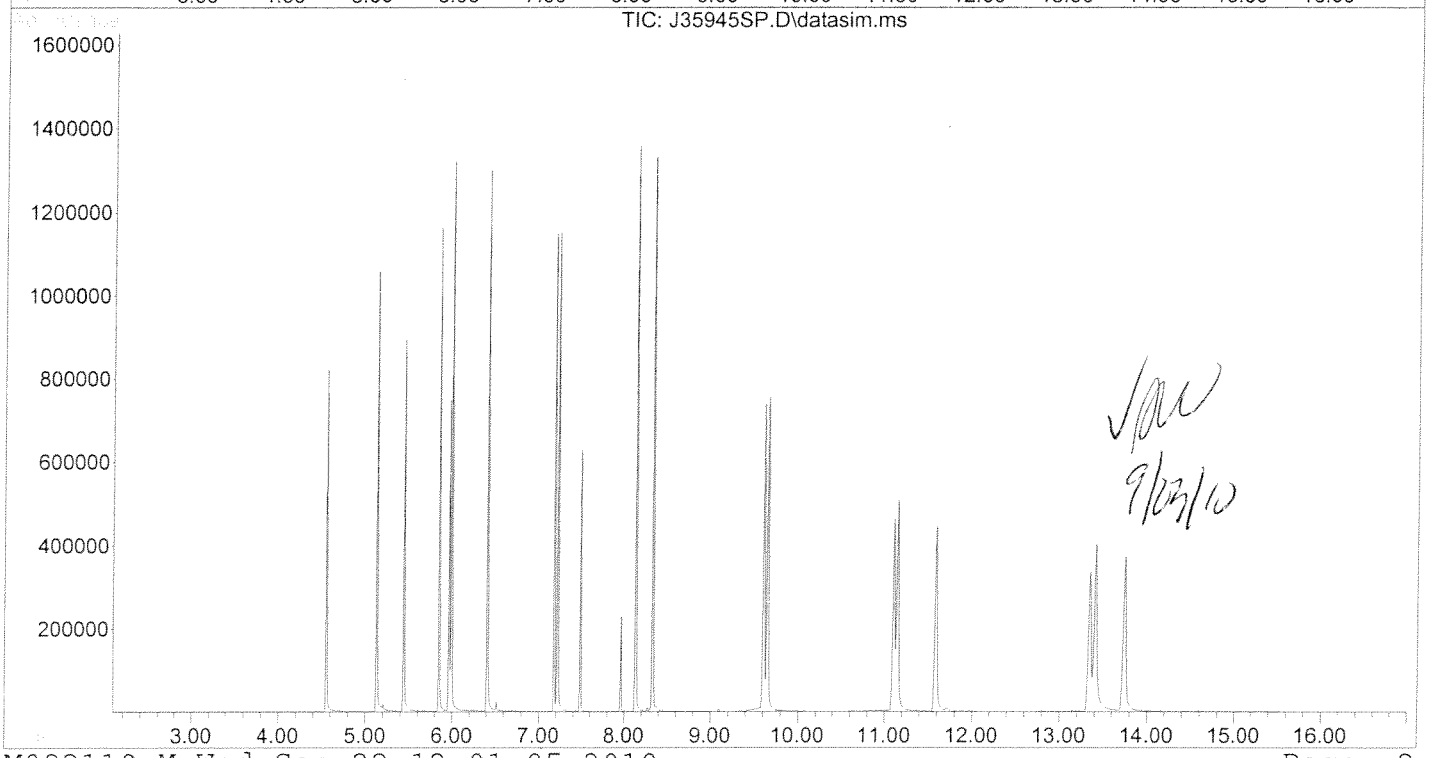
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35945SP.D
Acq On : 22 Sep 2010 10:11 am
Operator : AR/MG
Sample : 67833-6,MSD
Misc : SOIL,ARO
ALS Vial : 26 Sample Multiplier: 1

J92210

Quant Time: Sep 22 12:01:04 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





JAW 9/23/10

Instrument D

analytics environmental laboratory LLC

Seq. ID: 080410-D

IS only#: EPH S9970 ~~S9970~~ AKL 8/4/10

EXP: 1/30/11

Tune File: ABN.u

Date: 8/4/10

Loading Check: AKR

Voltage: 1965

Analyst: ~~AKR~~ NP

Unloading Check: NP

filament 2

Vial	Meth File	Sample	DF	Data File #	Comments
1	tunemix	S9836 tunemix	50ng	D71435T-45T	adjust mtune
1	tunemix	S9836 tunemix	50ng	46T	✓
2	ALG80410	S9700 Ali 5		47, 51	✓
3		S9701 Ali 10		48	✓
4		S9702 Ali 20		49	✓
5		S9936 Ali 40		50	✓
6		S9704 Ali 50		51	✓
7		S9705 Ali 100		52	✓
8		S9715 Ali 20 ICV		53	✓
9	ARM80410	S9706 Aro 2		54, 54	✓
10		S9707 Aro 5		55	✓
11		S9708 Aro 10		56	✓
12		S9937 Aro 20		57	✓
13		S9710 Aro 50		58	✓
14		S9711 Aro 100		59	✓
15		S9716 Aro 20 ICV		60	✓ ~~Shit not used~~ Aro80510 OK
~~15~~		~~S9716 Aro 20 ICV~~		66	AKL 8/6/10
1	tunemix	S9836 tunemix			Not needed
5	ALG80410	S9936 Ali 40			
12	ARM80410	S9937 Aro 20			
16		Hexane w/IS			
15		S9716 Aro 20 ICV			
15		S9716 Aro 20 ICV			✓

AKL 8/6/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

Instrument D

analytics environmental laboratory LLC

Seq. ID: 092010-D

EPH IS only#: S10081 EXP: 3/13/11

Tune File: ARN.u

Date: 9/20/10 Loading Check: AHR

Voltage: 1965

Analyst: AHR Unloading Check:

W-D-092010-1-AHR

Vial	Meth File	Sample	DF	Data File #	Comments
100		MeCl2		D71725	
1	tunemix	S9836 tunemix 50ng		26T	✓
2	ALG80410	S10042 Ali 40		27SC	✓
3	ARM80410	S10041 ARO 20		28SC	✓ OTP 1 by 0.3%
4		Hexane w/IS		29	✓
5		B091610EASE, AR Ali		30B	✓
6		B091610EASE, AR ARO		31B	✓
7		67789-1 Ali	2	32	✓
8		67786-1 Ali	5	33	✓
9		67786-4 Ali	20	34	✓
10		67 -4 ARO	2	35	✓
11		-6 Ali	5	36	✓
12		-6 ARO	2	37	✓
13		-8 Ali	50	38	✓ 200ul 1:10 + 800ul Hex
14		-8 ARO	10	39	✓ 500ul 1:5 + 500ul MeCl2
2		S10042 Ali 40		40	✓
3		S10041 ARO 20		41	✓ OTP OK
2		S10042 Ali 40		42	✓
3		S10041 ARO 20		43	✓ OTP OK
100		MeCl2		44	
1	tunemix	S9836 tunemix 50ng		45T	✓
2	ALG80410	S10042 Ali 40		46SC	✓
4		Hexane w/IS		47	✓
15		B092010EASE Ali		48B	✓
16		D092010EASE		49Q	✓
17		D092010EASE		50Q	✓
18		67833-1 Ali		51	✓
19		-2		52	✓
20		-3		53	✓
21		-4		54	✓
22		-5		55	✓
23		-6		56	✓
24		-6, ms		57	✓
25		-6, msD		58	✓
26		-7		59	✓
27		-8		60	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uL sample +990 uL solvent

Hexane Lot: 1005313

Methylene Chloride Lot: J80501

Cont. PS-47

Instrument D

Analytics environmental laboratory LLC

Seq. ID: Cont. 092010-D

EPIA

IS only#: S10081 EXP: 3/13/11

Tune File: ABW.u

Voltage: 1965

Date: 9/20/10 Loading Check: AW

Analyst: AW Unloading Check: AW

Vial	Meth. File	Sample	DF	Data File #	Comments
28		67833-9 Ali		D71761	✓
29		-10 L		62	✓
2	MG80410	S10042 Ali 40		63SC	✓

AW 9/21/10

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

analytics environmental laboratory LLC

Instrument D

EPH S10081 x 3/13/11

Seq. ID: 092110-D

IS only#:

EXP:

Tune File: ABN.u

Date: 9/21/10

Loading Check: ALR

Voltage: 1965

Analyst: ALR

Unloading Check:

W-D-092110-1-ALR

Vial	Meth File	Sample	DF	Data File #	Comments
100		MeCl2		D71764	
1	Tunemix	S9836 tunemix 50ng		65T	✓ 2:09
2	ALG80410	S10042 ALI 40		66SC	✓
4		Hexane w IS		67	✓
15		~~B0902~~ B092010EASE, RR		68B	✓
30		B092010EASE2		69B	✓
31		L092010EASE 2		70Q	✓
32		L0092010EASE2		71Q	✓
33		67833-11		72	✓
34		-12		73	✓
35		-13		74	✓
36		-14		75	✓
37		-15		76	✓
38		-16		77	✓
39		67807 -1		78	✓
40		-2		79	RR 5X
41		-3		80	✓ ↓SJ
~~*62~~		~~67807 -3~~		~~81X~~	~~RR 5X~~
2		S10042 ALI 40	5X	81SC	✓
2		S10042 ALI 40		82SC	✓
		S9836 tunemix 50ng		83T	✓
2		S10042 ALI 40		84SC	✓
4		Hexane w IS		85	✓
31		B092010EASE2, RR		86B	✓
41		67807-3 RR		86C	confirms ↓SJ
42		67834-1		87	✓
43		-2		88	✓
44		-3		89	✓
45		-4		90	✓
~~47~~ 46		-5		91	RR10X C9-C18
48 47		-6		92	RN10X C9-C18
49 48		-15		93	✓
50 49		-15 ms		94	✓
51 50		-15 mun		95	✓
52 51		-16		96	✓
53 52		-17		97	✓
54 53		-19		98	✓

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: 1005313

Methylene Chloride Lot:

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 2 03/19/10

71781 — see chrom RR2A specchlorted

Instrument J

analytics environmental laboratory LLC

092110-J EPH IS

IS only#: S10122 EXP: 3·21·2011

Tune File: ABN.U Date: 9·21·10 Loading Check: AWR

Voltage: 1953 Analyst: AWR/MJ Unloading Check: MJ

Vial	Meth File	Sample	DF	Data File #	Comments
100		MeCl2		J35914	
1	TUNEMIXEPH	S9836TUNE50		915T	✓
2		S10041 ARO 20		916SC	Reject
2		↓		917SC	↓
100	ARMSIM92110.M	MeCl2		918	
2	ARM092110.M	S9714 ARO 0.1		919SI	✓
3	ARG092110.M	S9713 0.2		920SI	✓
4		S9712 1.0		921SI	✓
5		S9706 2		922SI	✓
6		S9707 5		923SI	✓
7		S9708 10		924SI	✓
8		S10041 20		925SI	✓
9		S9710 50		926SI	✓
10		S9711 100		927SI	✓
11		S9716 ARO 20 ICV		928	✓
12		S9717 ARO 2 ICV		929	✓
1	TUNEMIXEPH	S9836 TUNE 50		930T	✓
8	ARM092110.M	S10041 ARO 20		931SC	✓
13	ARG092110.M	Hexane w IS		932	✓
14		B092010EBSE	ARO	33B	✓
15		L092010EBSE		34Q	✓
16		LD092010EBSE		35Q	✓
17		L092010EBSE	ARI	36Q	✓
18		LD092010EBSE	ARI	37Q	✓
19		67833-1 ARO		38	✓
20		-2		39	✓
21		-3		40	✓
22		-4		41	✓
23		-5		42	✓
24		-6		43	✓
25		-6MS		44SP	✓
26		-6MSD		45SP	✓
27		67833-7		46	✓
28		-8		47	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 3 11/25/09

Instrument J

analytics environmental laboratory LLC

092110-J Cont. EPH PS

IS only#: S10122 EXP: 3-21-2011

Tune File: ABN.U Date: 92110 cnt Loading Check:

Voltage: 1953 Analyst: ALR/mg Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
29	ARM092110.M	67833-9 ARO		J35948	✓
30	ARG092110.M	-10		49	✓
31		-11		50	✓
32		-12		51	✓
33		-13		52	✓
34		-14		53	✓
35		-15		54	✓
36		-16		55	✓
37		67807-1		56	VSUR RR Rex?
38		-2		57	RRZX
39		-3		58	✓
8		S10041 ARO 20		59SC	✓
8				60SC	✓
1	tunemix	59836 TUNESD		61T	✓ 1621
8	ARM092110	S10041 ARO 20		62SC	✓
13	ARG092110	Hexane WIS		63	✓
40		B092010EASE2	ARO	64B	✓
41		L092010EASE2		65Q	✓
42		LD092010EASE2		66Q	✓
43		L092010EASE2	ALI	67Q	✓
44		LD092010EASE2		68Q	✓
45		67834-1	ARO	69	✓
46		-2		70	✓
47		-3		71	✓
48		-4		72	✓
49		-5		73	✓
50		-6		74	✓
51		-15		75	✓
52		-15MS		76SP	✓
53		-15MSD		77SP	✓
54		-16		78	✓
55		-17		79	✓
56		-18		80	✓
57		67835-1		81	✓

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Cont. PS - 58

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67833
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

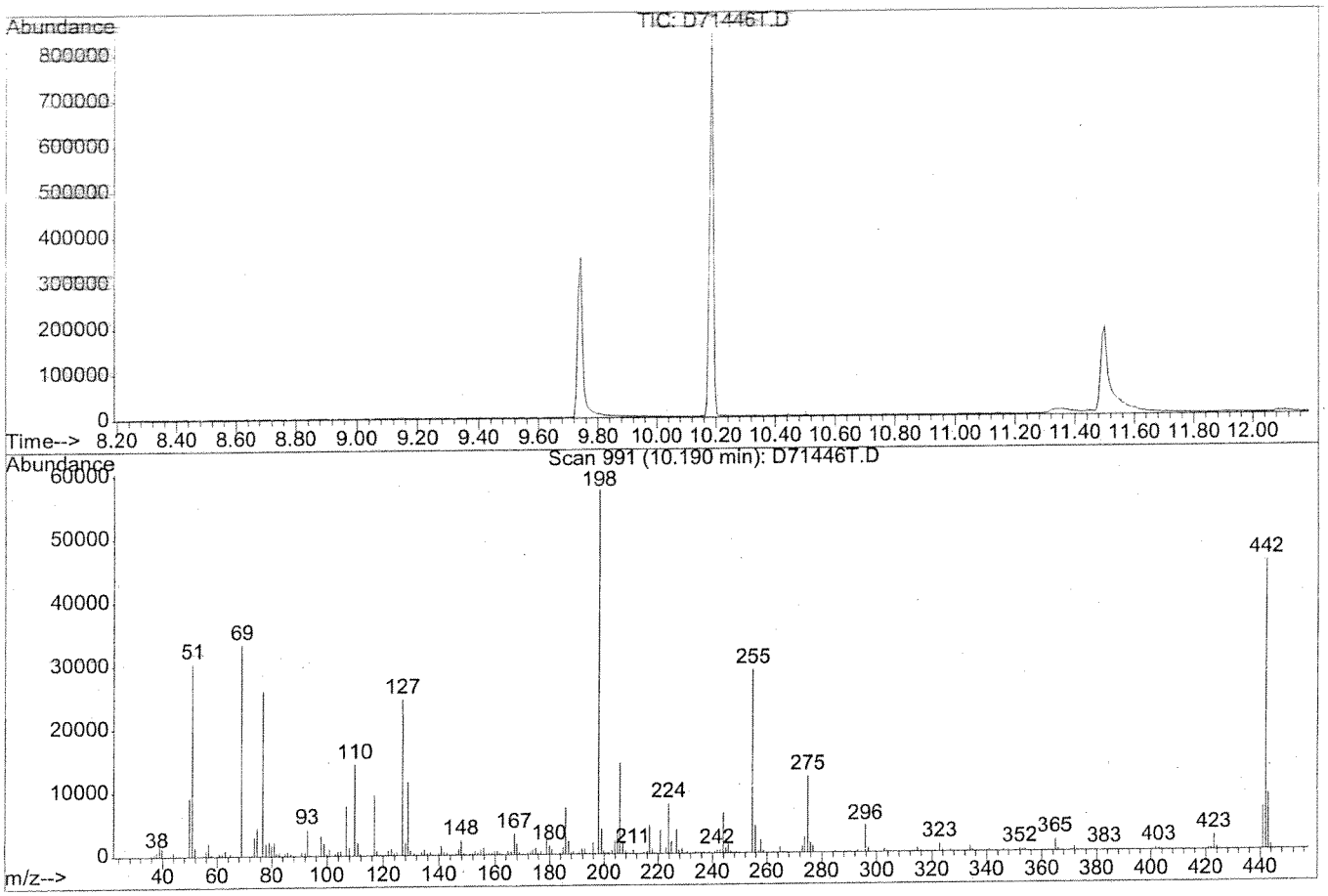
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9700 ALI 5	D71447SI.D	8/5/10 2:18
S9701 ALI 10	D71448SI.D	8/5/10 2:48
S9702 ALI 20	D71449SI.D	8/5/10 3:19
S9936 ALI 40	D71450SI.D	8/5/10 3:49
S9704 ALI 50	D71451SI.D	8/5/10 4:20
S9705 ALI 100	D71452SI.D	8/5/10 4:50
S9715 ALI 20 ICV	D71453.D	8/5/10 5:21

Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00



Spectrum Information: Scan 991

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.9	30392	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.0	33320	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.7	24560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	57496	PASS
199	198	5	9	6.9	3944	PASS
275	198	10	30	20.9	12023	PASS
365	198	1	100	3.2	1842	PASS
441	443	0.01	100	76.4	6759	PASS
442	198	40	100	79.4	45640	PASS
443	442	17	23	19.4	8852	PASS

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:04 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71446T.D**
Date Acquired **8/5/2010 1:47**

NT080510

Name	Target Response
PENTACHLOROPHENOL	39778.00
BENZIDINE	151505.00
DDE	53.00
DDD	1884
DDT	149663

(0% - 20%)

%DDT BREAKDOWN = 1.28% **OK** ✓

8/5/10

8/5/10 2:16 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
; Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP080510

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.74	266	39778	15.78 UG/L	95
2) DFTPP	10.18	198	75090	24.58 ug/ml#	60
3) BENZIDINE	11.50	184	151505	18.88 UG/L #	100
4) DDE	11.79	246	53	0.53 UG/L #	24
5) DDD	12.36	235	1884	18.84 UG/L #	19
6) DDT	12.93	235	149663	33.12 UG/L #	86

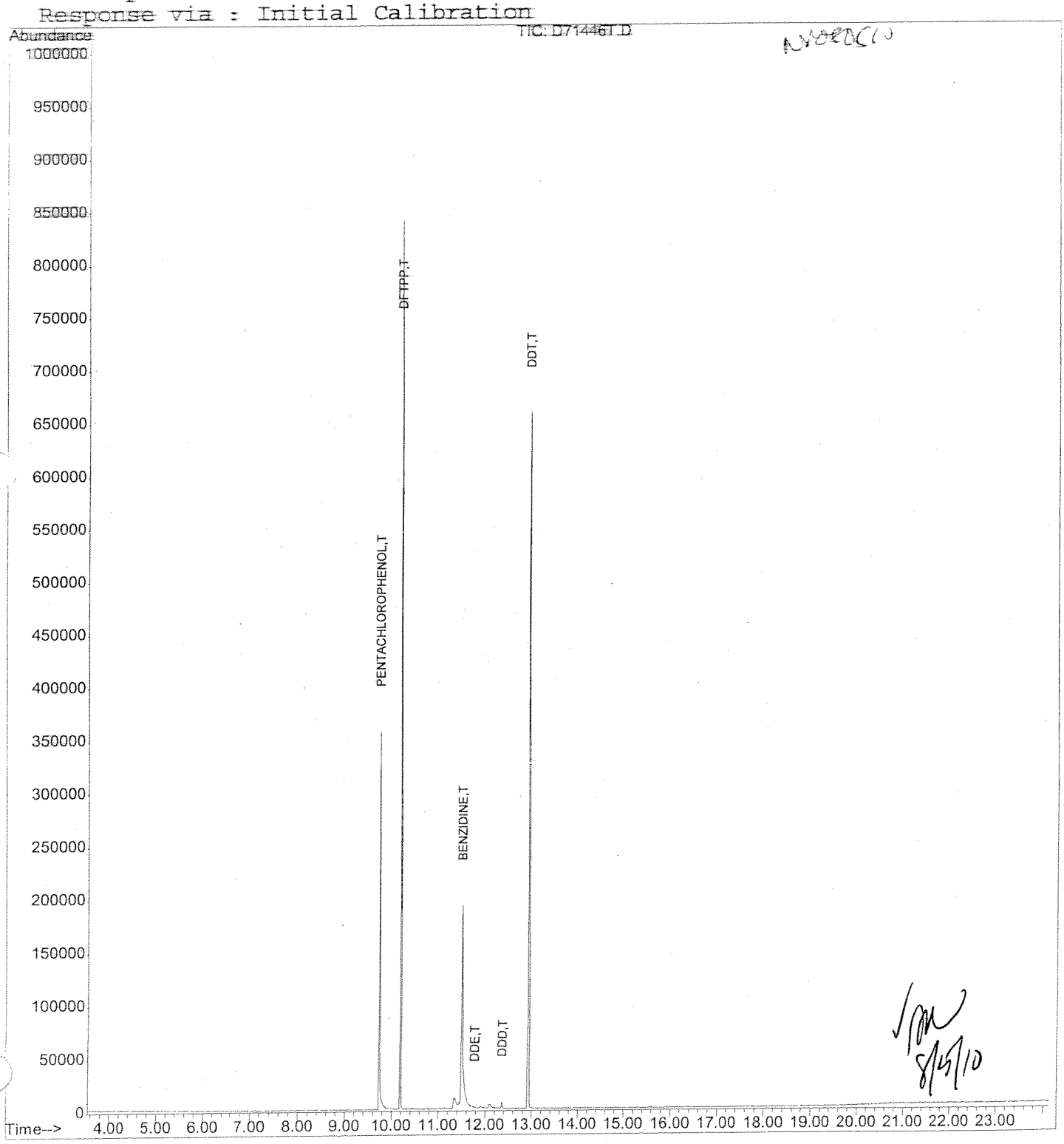
✓ 8/5/10

(#) = qualifier out of range (m) = manual integration
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RE

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration

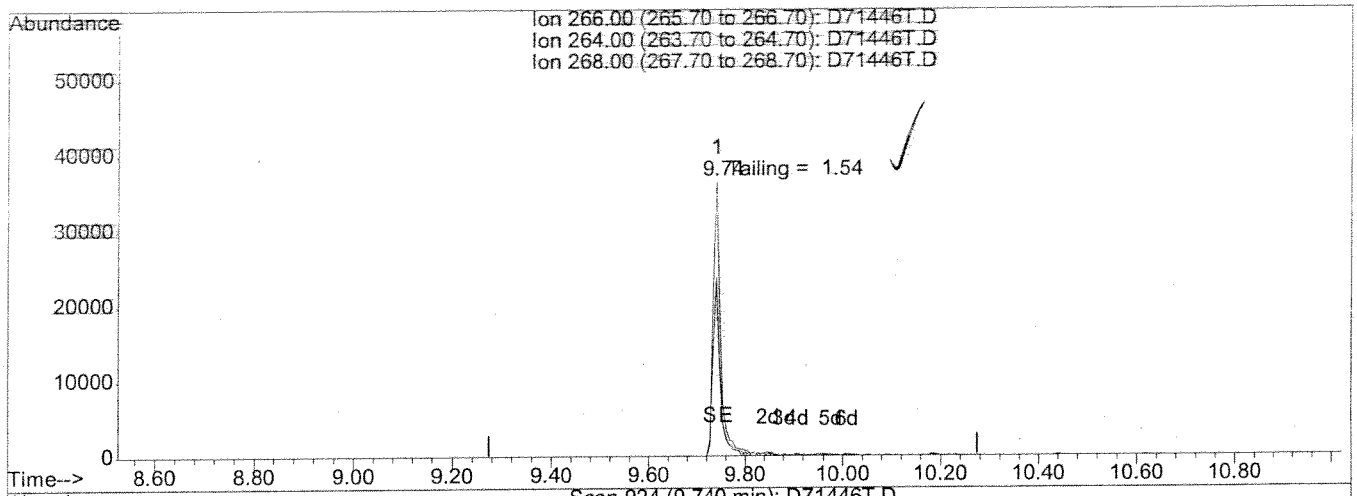


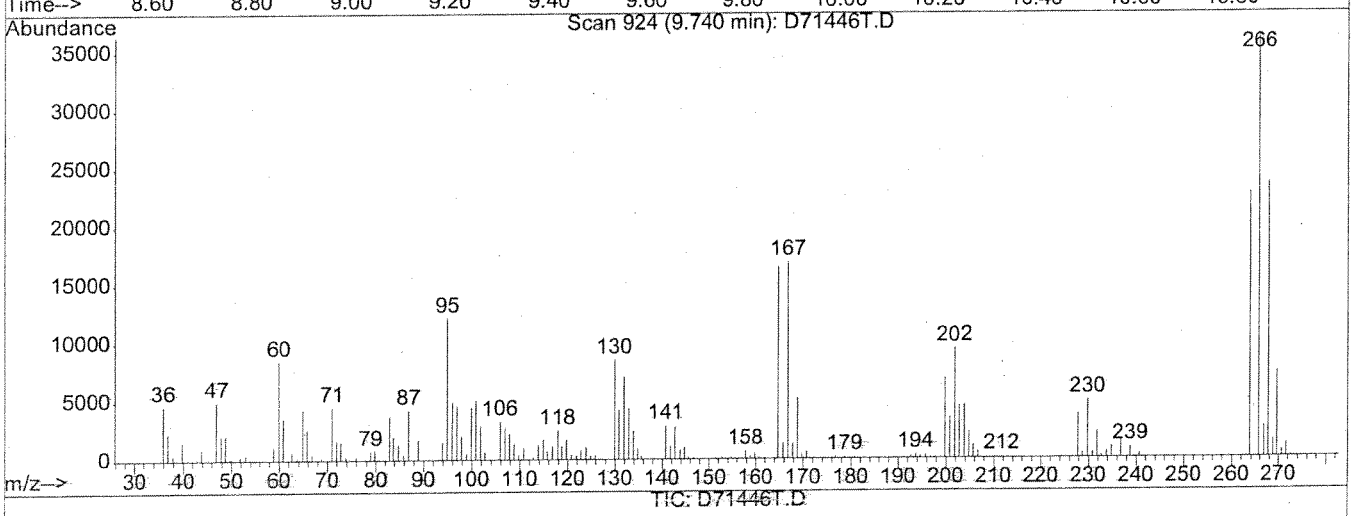
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010 Page 2

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

N108870





(1) PENTACHLOROPHENOL (T)

9.74min 15.78UG/L

response 39778

Ion	Exp%	Act%
266.00	100	100
264.00	59.50	61.59
268.00	58.20	63.08
0.00	0.00	0.00

8/5/10

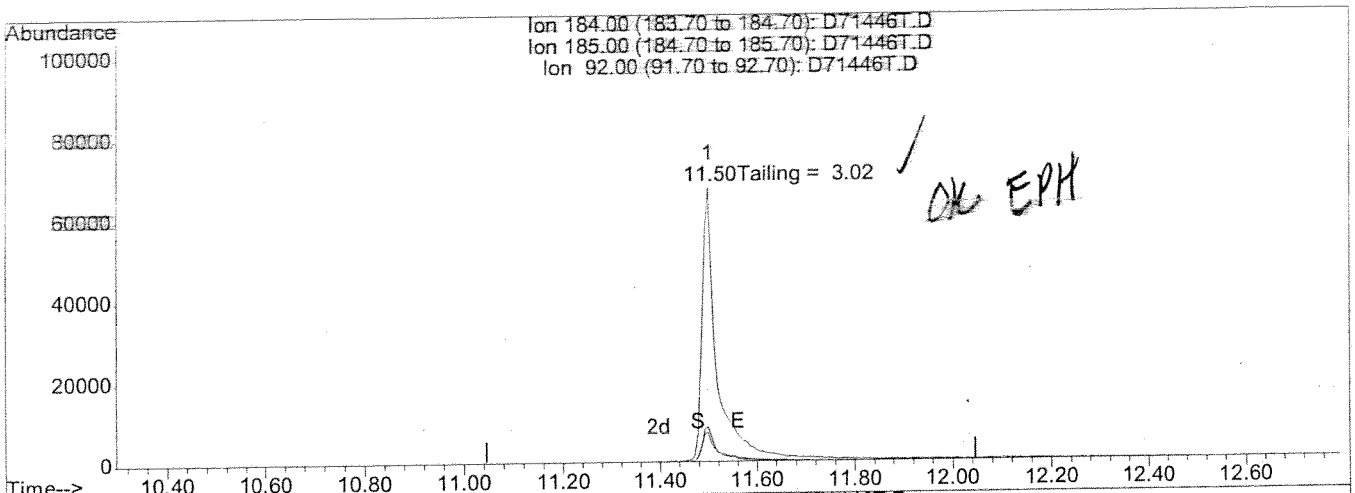
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:40 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

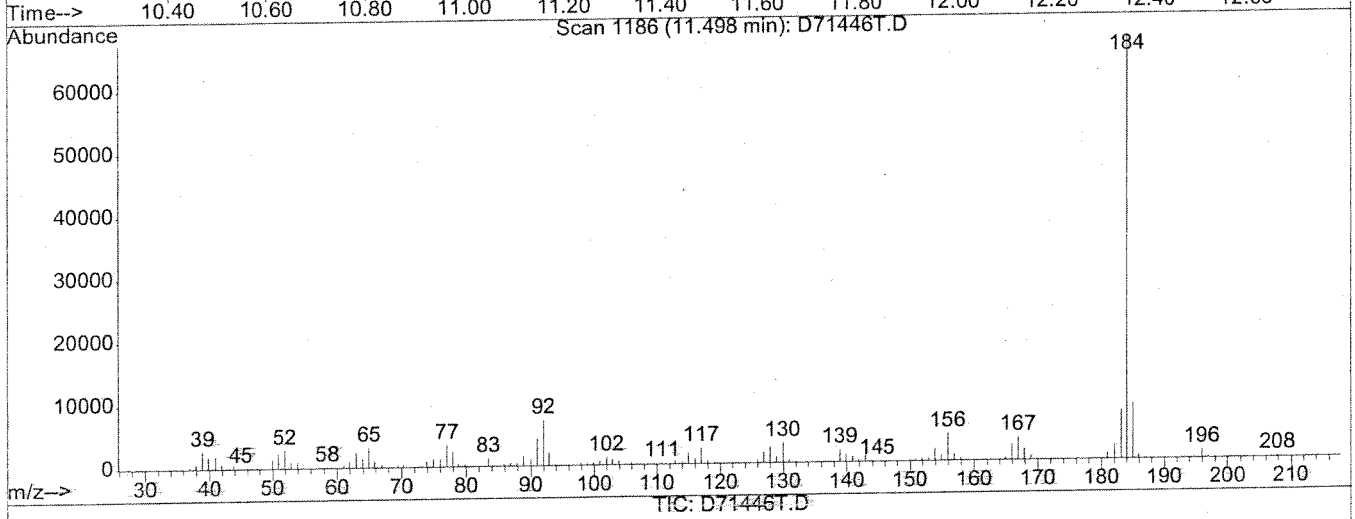
Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

Nr080510



OK EPH



TIC: D71446T.D

(3) BENZIDINE (T)

11.50min 18.88UG/L

response 151505

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.18#
92.00	0.00	10.90#
0.00	0.00	0.00

8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:19:09 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

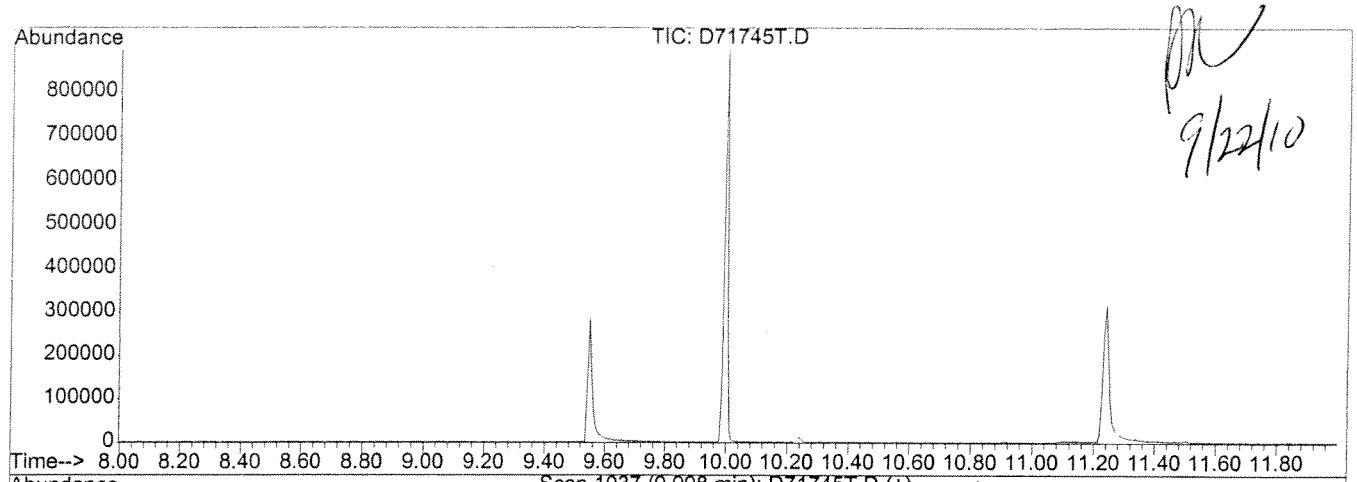
SDG: 67833
DFTPP File ID: D71745T.D
DFTPP Injection Date: 09/21/10
DFTPP Injection Time: 16:10

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
S10042 ALI 40	D71746SC.D	9/21/10	16:40
HEXANE W/IS	D71747.D	9/21/10	17:10
B092010EASE	D71748B.D	9/21/10	17:39
L092010EASE	D71749Q.D	9/21/10	18:09
LD092010EASE	D71750Q.D	9/21/10	18:39
67833-1	D71751.D	9/21/10	19:09
67833-2	D71752.D	9/21/10	19:39
67833-3	D71753.D	9/21/10	20:08
67833-4	D71754.D	9/21/10	20:38
67833-5	D71755.D	9/21/10	21:08
67833-6	D71756.D	9/21/10	21:38
67833-6,MS	D71757SP.D	9/21/10	22:08
67833-6,MSD	D71758SP.D	9/21/10	22:38
67833-7	D71759.D	9/21/10	23:08
67833-8	D71760.D	9/21/10	23:38
67833-9	D71761.D	9/22/10	0:08
67833-10	D71762.D	9/22/10	0:38
S10042 ALI 40	D71763SC.D	9/22/10	1:08

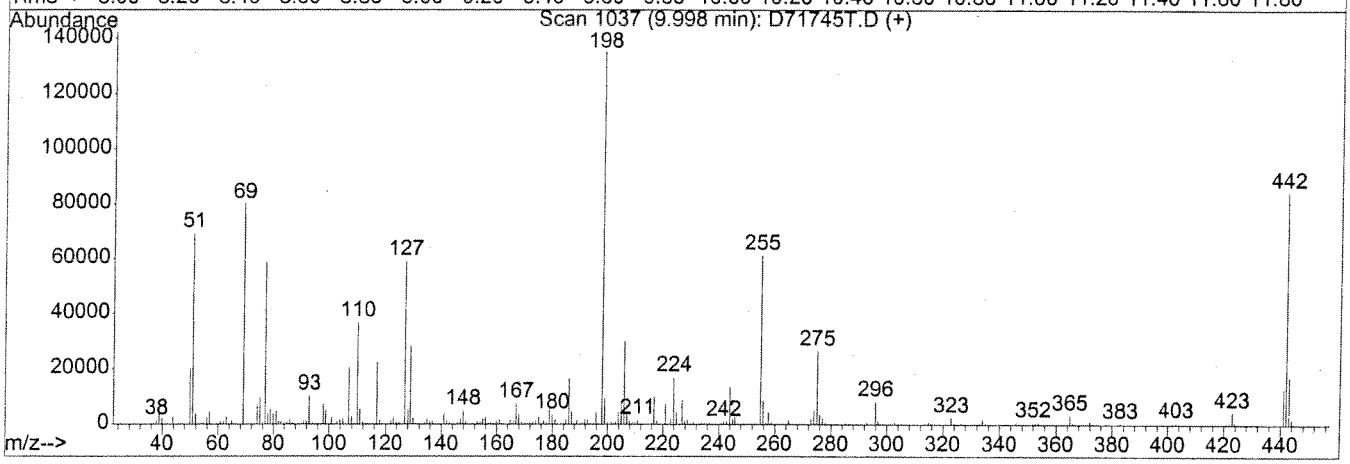
Refer to the DFTPP report D71745T.D for ion ratio evaluation.

EPH FORM 5

Data File : D:\HPCHEM\1\DATA\092010-D\D71745T.D Vial: 1
Acq On : 21 Sep 2010 4:10 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX



9/22/10



Spectrum Information: Scan 1037 +/1038

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	51.2	69295	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	59.0	79975	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	43.6	59015	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	135440	PASS
199	198	5	9	7.0	9471	PASS
275	198	10	30	19.5	26439	PASS
365	198	1	100	2.5	3343	PASS
441	443	0.01	100	78.1	13086	PASS
442	198	40	100	62.3	84376	PASS
443	442	17	23	19.9	16754	PASS

9/22/10

D71745T.D TUNMXEPH.M Wed Sep 22 01:20:36 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71745T.D**
Date Acquired **9/21/2010 4:10**

9/22/10

Name	Target Response
PENTACHLOROPHENOL	31422.00
BENZIDINE	169254.00
DDE	460.00
DDD	13701
DDT	116071

(0% - 20%)

%DDT BREAKDOWN = 10.87% **OK**

592260

Data File : D:\HPCHEM\1\DATA\092010-D\D71745T.D Vial: 1
Acq On : 21 Sep 2010 4:10 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 22 1:20 2010 Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

MN 9/22/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

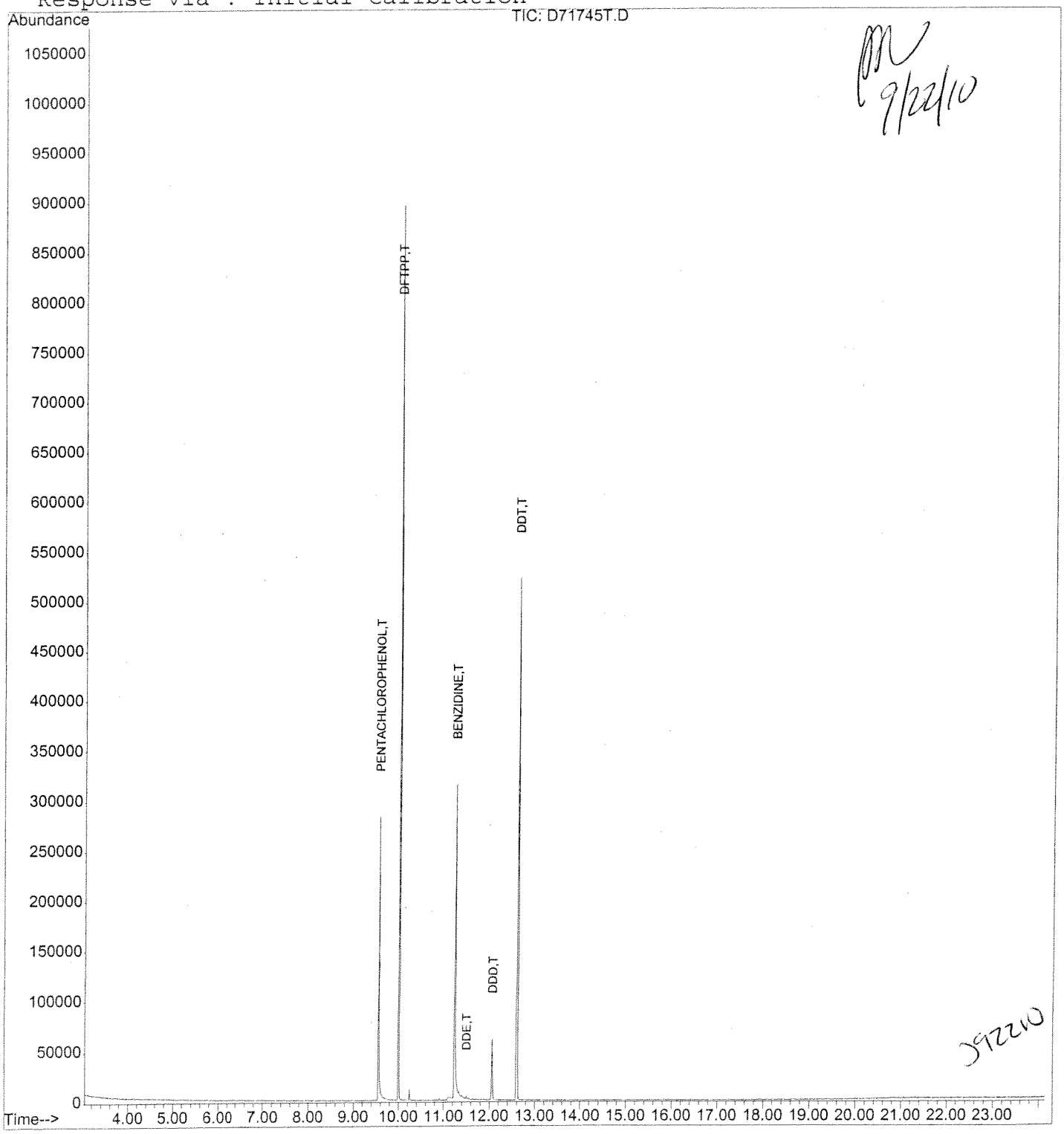
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.55	266	31422	12.47	UG/L	99
2) DFTPP	10.00	198	85052	27.84	ug/ml	94
3) BENZIDINE	11.24	184	169254	21.09	UG/L #	100
4) DDE	11.50	246	460	4.60	UG/L #	100
5) DDD	12.06	235	13701	137.01	UG/L	98
6) DDT	12.60	235	116071	25.69	UG/L	96

592210

(#) = qualifier out of range (m) = manual integration
D71745T.D TUNMXEPH.M Wed Sep 22 01:21:36 2010 Page 1

Data File : D:\HPCHEM\1\DATA\092010-D\D71745T.D Vial: 1
Acq On : 21 Sep 2010 4:10 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 22 1:20 2010 Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration



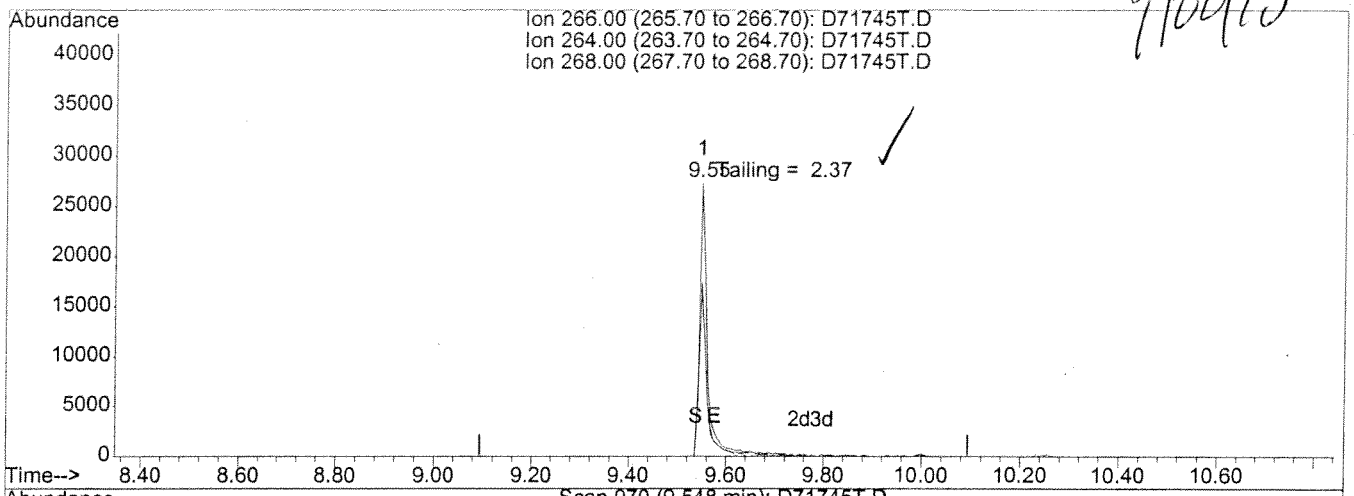
MV 9/22/10

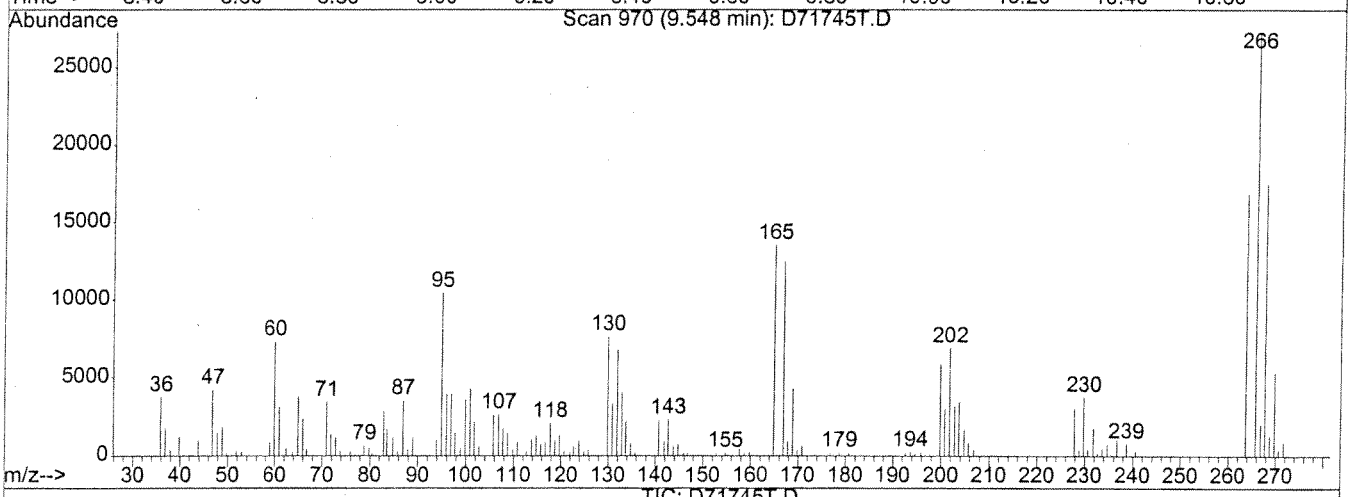
9/22/10

Data File : D:\HPCHEM\1\DATA\092010-D\D71745T.D Vial: 1
Acq On : 21 Sep 2010 4:10 pm Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 22 1:20 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

BN 9/22/10





(1) PENTACHLOROPHENOL (T)

9.55min 12.47UG/L

response 31422

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	60.32
268.00	62.40	61.11
0.00	0.00	0.00

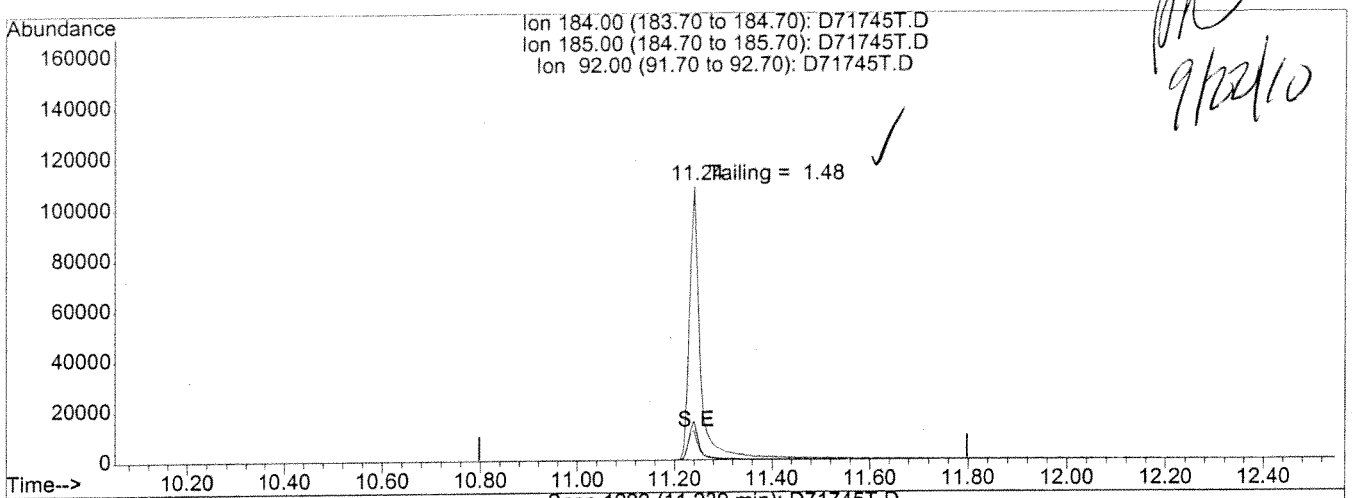
912210

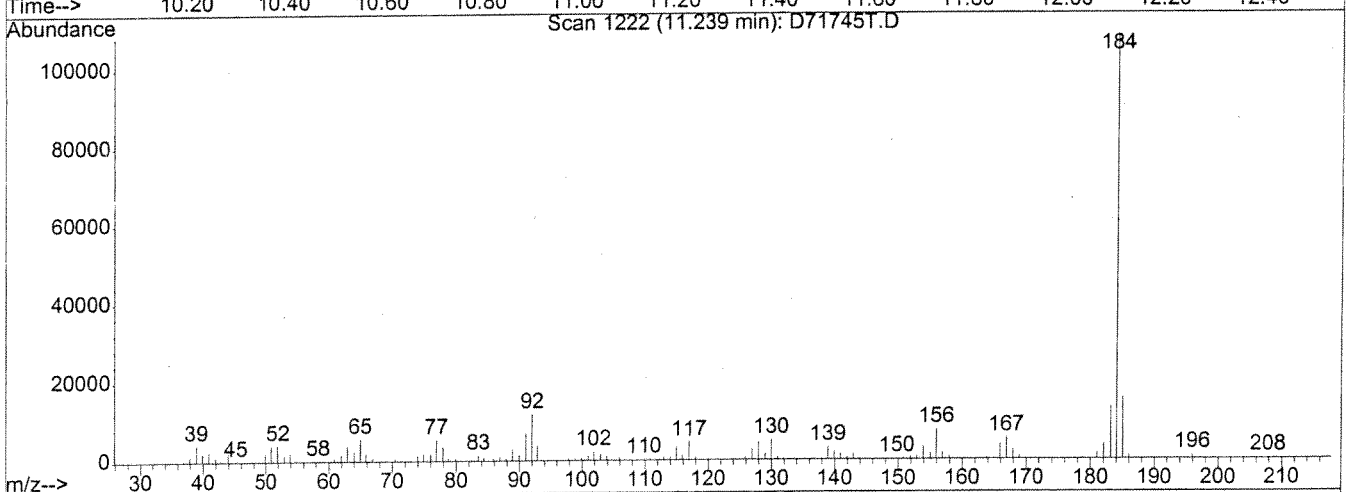
D71745T.D TUNMXEPH.M Wed Sep 22 01:21:44 2010

Data File : D:\HPCHEM\1\DATA\092010-D\D71745T.D
Acq On : 21 Sep 2010 4:10 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 1:20 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration





TIC: D71745T.D

(3) BENZIDINE (T)

11.24min 21.09UG/L

response 169254

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.66#
92.00	0.00	11.31#
0.00	0.00	0.00

D71745T.D TUNMXEPH.M Wed Sep 22 01:21:53 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67833
DFTPP File ID: J35915T.D
DFTPP Injection Date: 09/21/10
DFTPP Injection Time: 22:24

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9706 ARO 2	J35922SI.D	9/22/10 1:27
S9707 ARO 5	J35923SI.D	9/22/10 1:50
S9708 ARO 10	J35924SI.D	9/22/10 2:13
S10041 ARO 20	J35925SI.D	9/22/10 2:36
S9710 ARO 50	J35926SI.D	9/22/10 2:59
S9711 ARO 100	J35927SI.D	9/22/10 3:22
S9716 ARO 20 ICV	J35928.D	9/22/10 3:45

Refer to the DFTPP report J35915T.D for ion ratio evaluation.

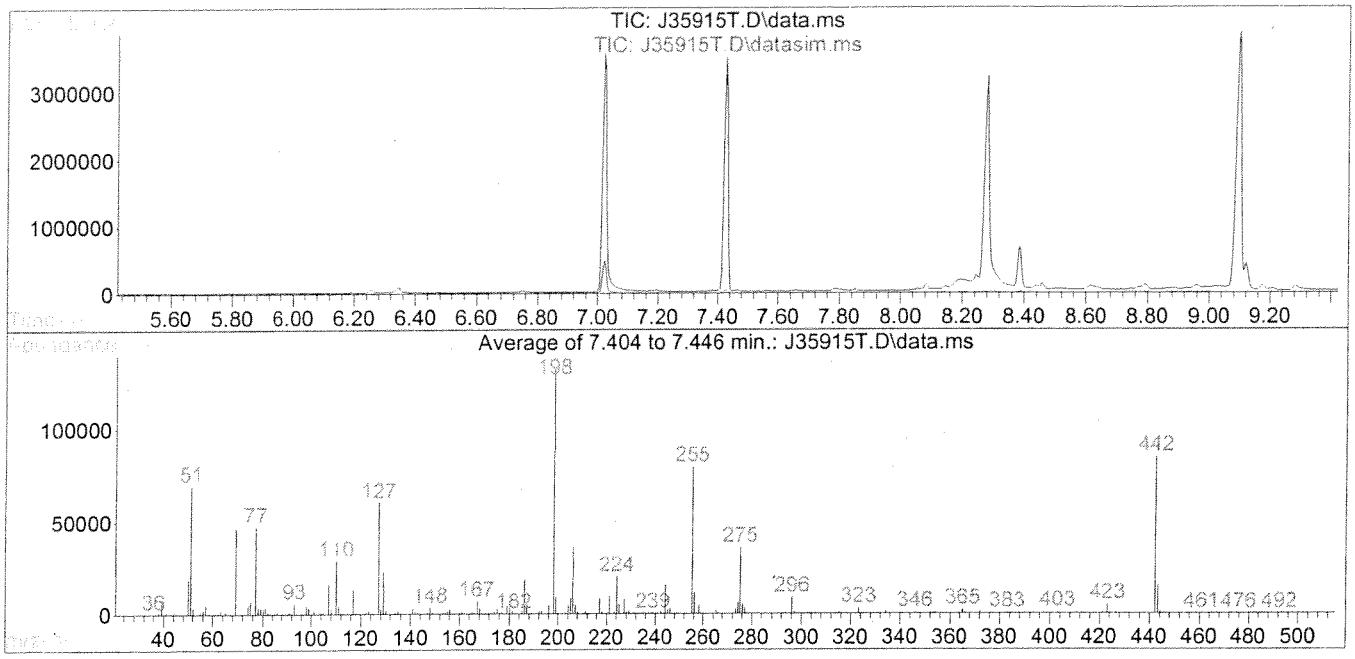
EPH FORM 5

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Wed Sep 22 00:54:43 2010

M 9/22/10



Spectrum Information: Average of 7.404 to 7.446 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.5	69708	PASS
68	69	0.00	2	0.0	15	PASS
69	198	0.00	100	34.8	46182	PASS
70	69	0.00	2	0.6	261	PASS
127	198	40	60	45.4	60362	PASS
197	198	0.00	1	0.0	15	PASS
198	198	100	100	100.0	132842	PASS
199	198	5	9	6.8	8983	PASS
275	198	10	30	27.0	35860	PASS
365	198	1	100	1.6	2103	PASS
441	443	0.01	100	0.7	109	PASS
442	198	40	100	63.8	84794	PASS
443	442	17	23	18.0	15226	PASS

592210

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35915T.D**
Date Acquired **9/21/2010 22:24**

9/22/10

Name	Target Response
Pentachlorophenol	492228.00
Benzidine	1576401.00
DDE	2055.00
DDD	32145
DDT	980153

(0% - 20%)

%DDT BREAKDOWN = 3.37% **OK** ✓

092210

9/22/2010 12:55 AM

C:\msdchem\custrpt\ABN CUSTRPT\TUNEMIX.CRT

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

MC
9/22/10

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) Pentachlorophenol	7.020	266	492228	33.66 ug/ml	100
2) DFTPP	7.427	198	370749	30.69 ug/ml#	100
3) Benzidine	8.280	184	1576401	25.47 ug/ml#	100
4) DDE	8.444	246	2055	1.40 ug/ml#	100
5) DDD	8.772	235	32145	2.00 ug/ml#	100
6) DDT	9.097	235	980153	31.94 ug/ml#	100

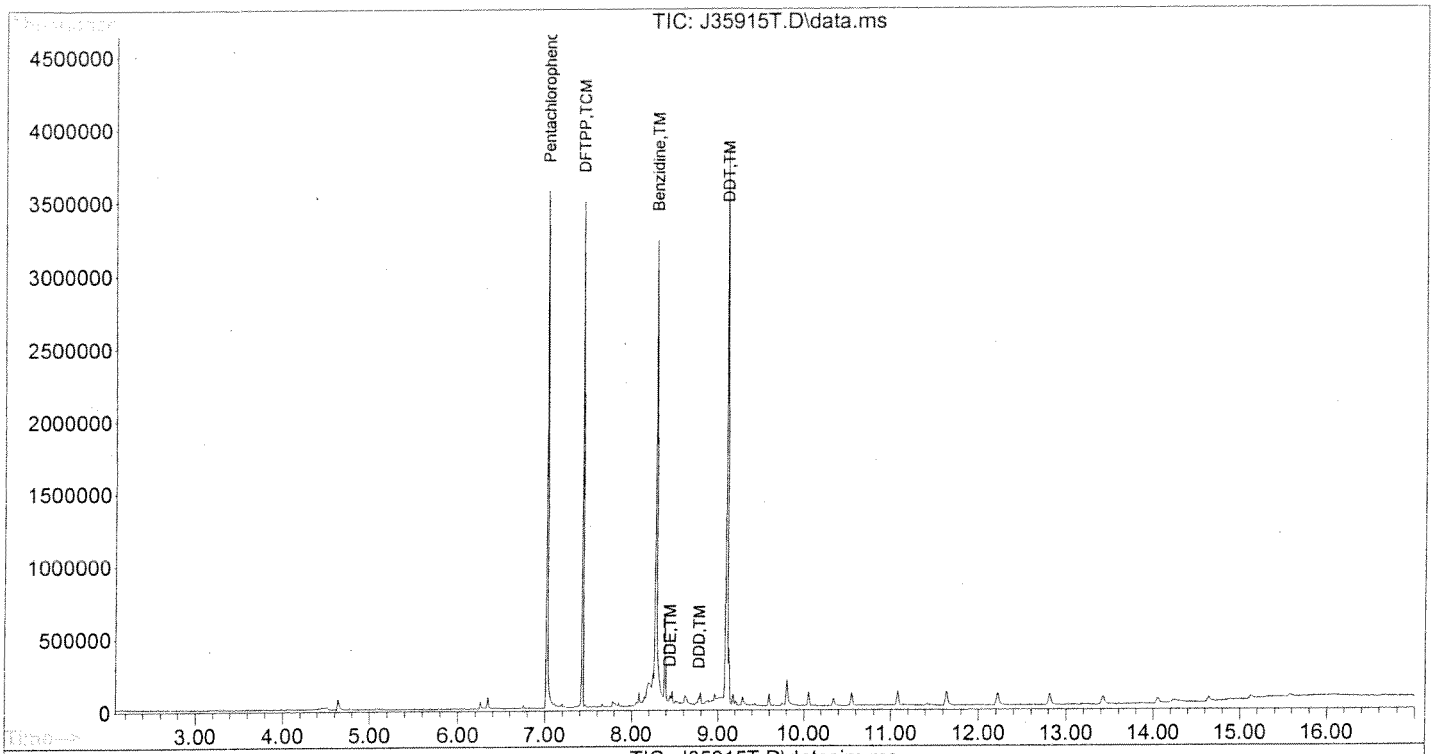
(#) = qualifier out of range (m) = manual integration (+) = signals summed

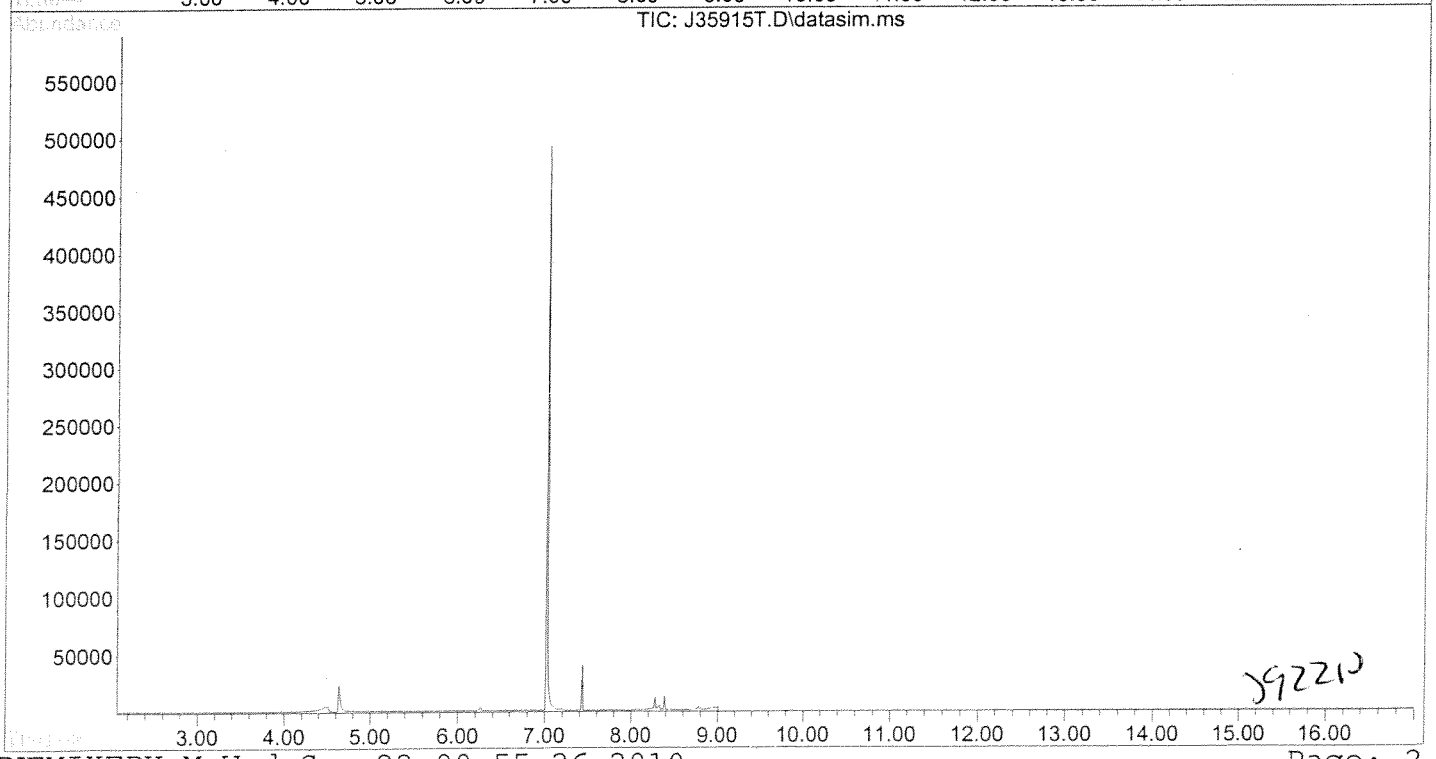
J92210

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

ML 9/22/10



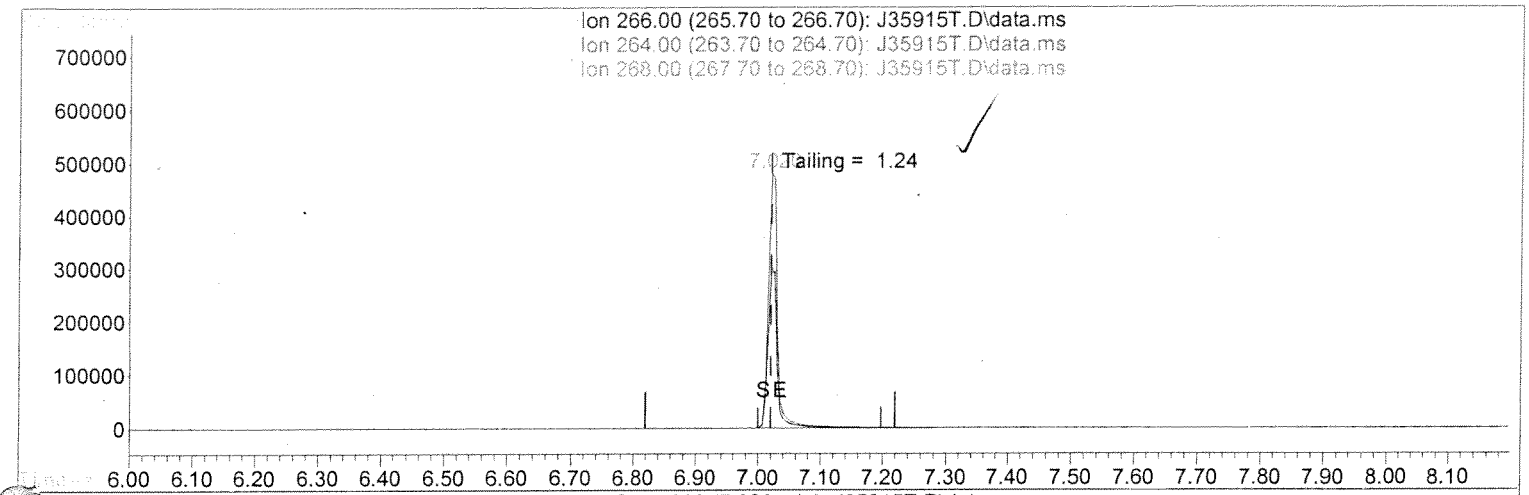


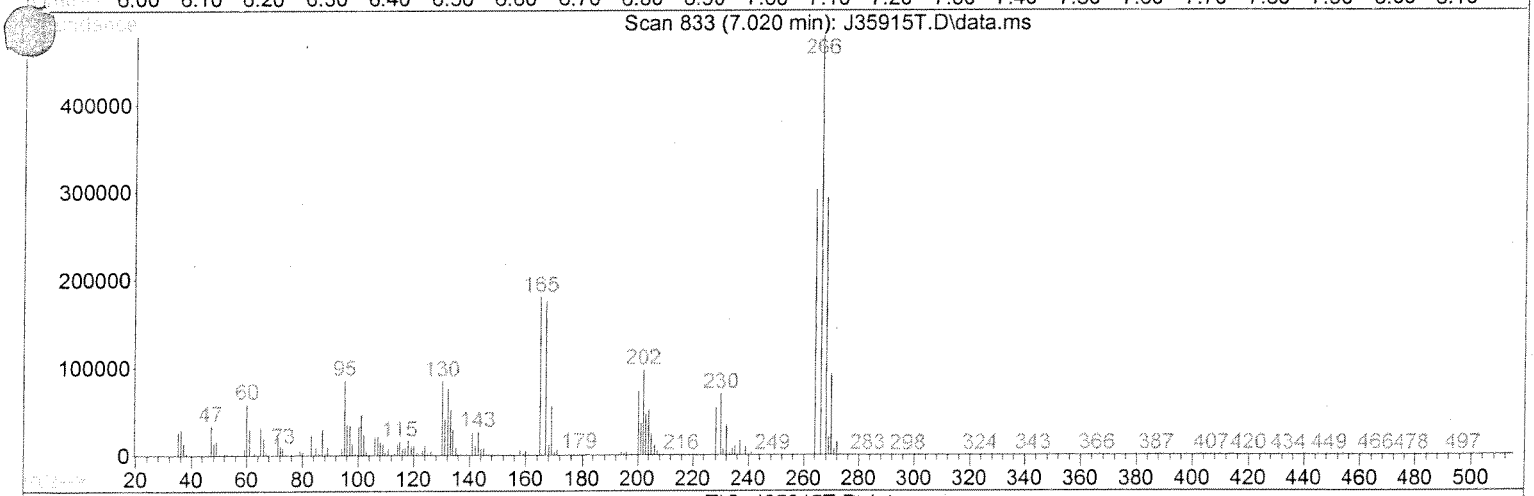
J92210

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

9/22/10





TIC: J35915T.D\data.ms

(1) Pentachlorophenol (TMC)

7.020min (0.000) 33.66ug/ml

response 492228

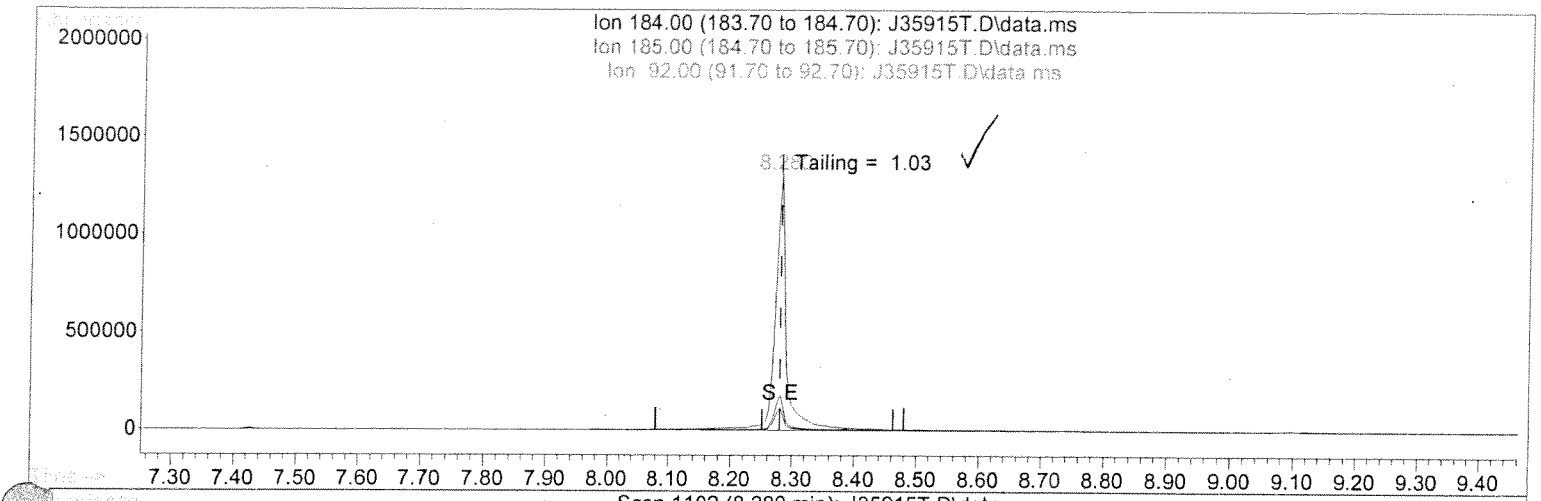
Ion	Exp%	Act%
266.00	100	100
264.00	63.20	63.10
268.00	61.50	61.69
0.00	0.00	0.00

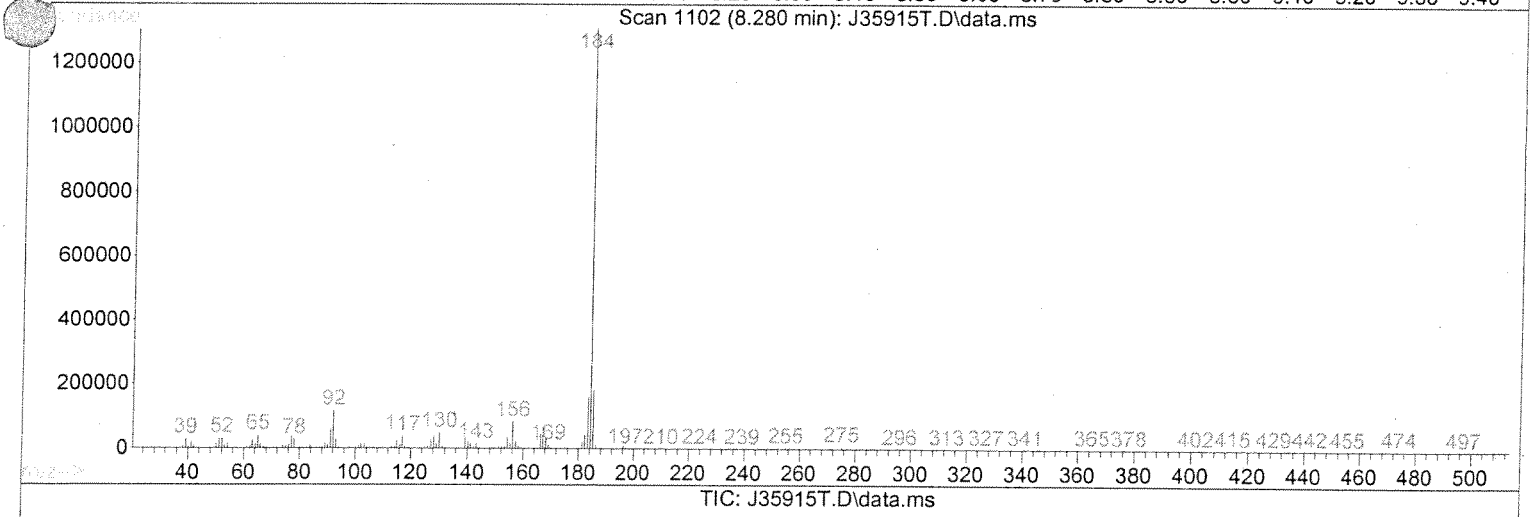
JG2210

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

PN 9/22/10





(3) Benzidine (TM)

8.280min (0.000) 25.47ug/ml

response 1576401

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	14.27#
92.00	0.00	8.87#
0.00	0.00	0.00

JL 2210

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

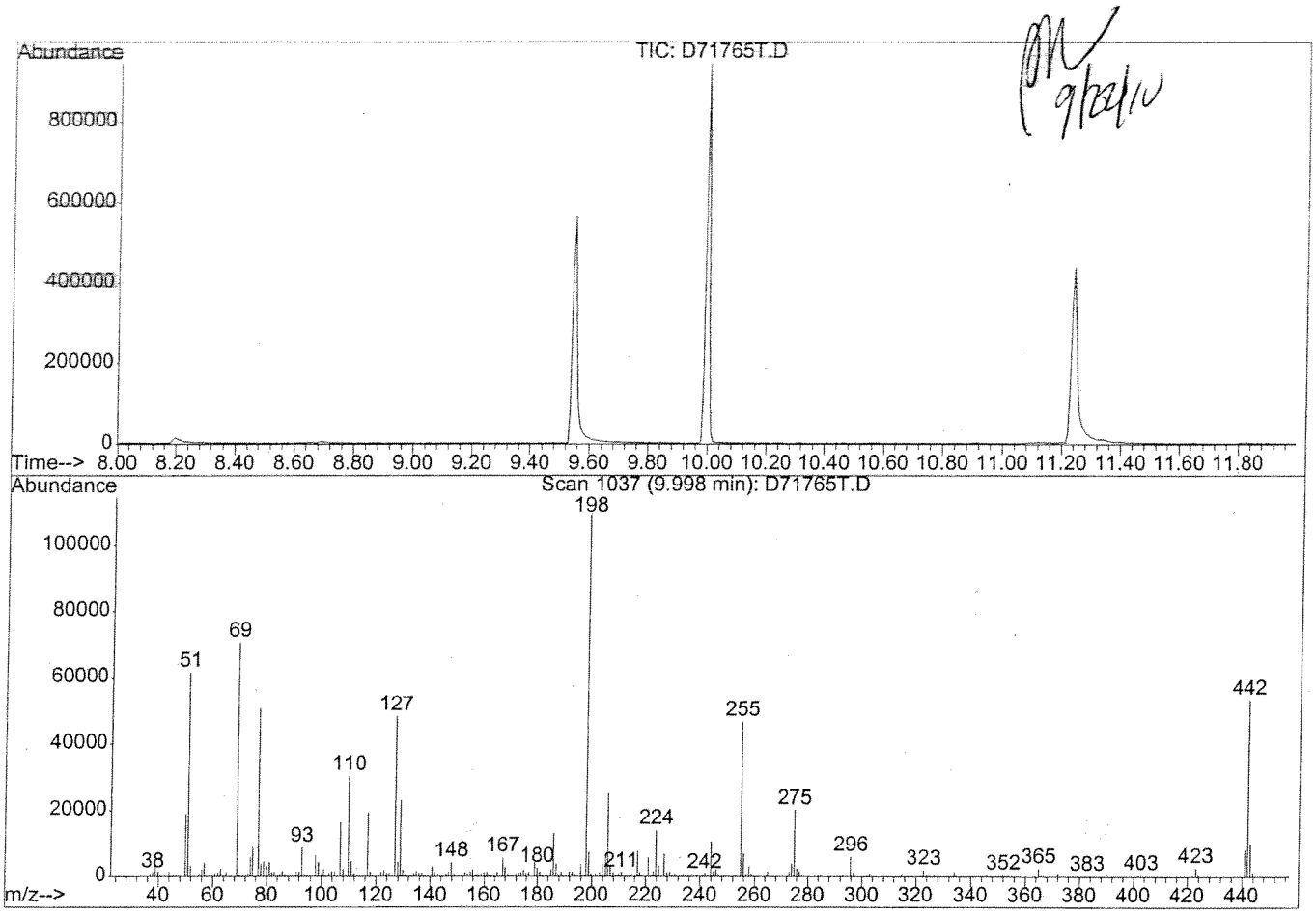
SDG: 67833
DFTPP File ID: D71765T.D
DFTPP Injection Date: 09/22/10
DFTPP Injection Time: 2:09

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71766SC.D	9/22/10 2:39
HEXANE W/IS	D71767.D	9/22/10 3:09
B092010EASE,,RR	D71768B.D	9/22/10 3:40
B092010EASE2	D71769B.D	9/22/10 4:10
L092010EASE2	D71770Q.D	9/22/10 4:39
LD092010EASE2	D71771Q.D	9/22/10 5:10
67833-11	D71772.D	9/22/10 5:39
67833-12	D71773.D	9/22/10 8:27
67833-13	D71774.D	9/22/10 8:57
67833-14	D71775.D	9/22/10 9:27
67833-15	D71776.D	9/22/10 9:56
67833-16	D71777.D	9/22/10 10:26
S10042 ALI 40	D71781SC.D	9/22/10 12:57
S10042 ALI 40	D71782SC.D	9/22/10 13:28

Refer to the DFTPP report D71765T.D for ion ratio evaluation.

EPH FORM 5

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D Vial: 1
Acq On : 22 Sep 2010 2:09 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX



Spectrum Information: Scan 1037

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	56.3	61576	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	64.5	70552	PASS
70	69	0.00	2	0.5	341	PASS
127	198	40	60	44.2	48336	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109320	PASS
199	198	5	9	6.7	7314	PASS
275	198	10	30	18.4	20128	PASS
365	198	1	100	2.2	2428	PASS
441	443	0.01	100	79.0	8051	PASS
442	198	40	100	48.7	53272	PASS
443	442	17	23	19.1	10188	PASS

D71765T.D TUNMXEPH.M Wed Sep 22 03:41:16 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71765T.D**
Date Acquired **9/22/2010 2:09**

9/22/10

Name	Target Response
PENTACHLOROPHENOL	61202.00
BENZIDINE	243269.00
DDE	72.00
DDD	600
DDT	152622

(0% - 20%)

%DDT BREAKDOWN = 0.44% **OK**

092210

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D Vial: 1
Acq On : 22 Sep 2010 2:09 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010 Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/22/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.55	266	61202	24.28 UG/L	97
2) DFTPP	10.00	198	89800	29.39 ug/ml	96
3) BENZIDINE	11.24	184	243269	30.32 UG/L #	100
4) DDE	11.50	246	72	0.72 UG/L #	100
5) DDD	12.07	235	600	6.00 UG/L #	36
6) DDT	12.60	235	152622	33.78 UG/L	97

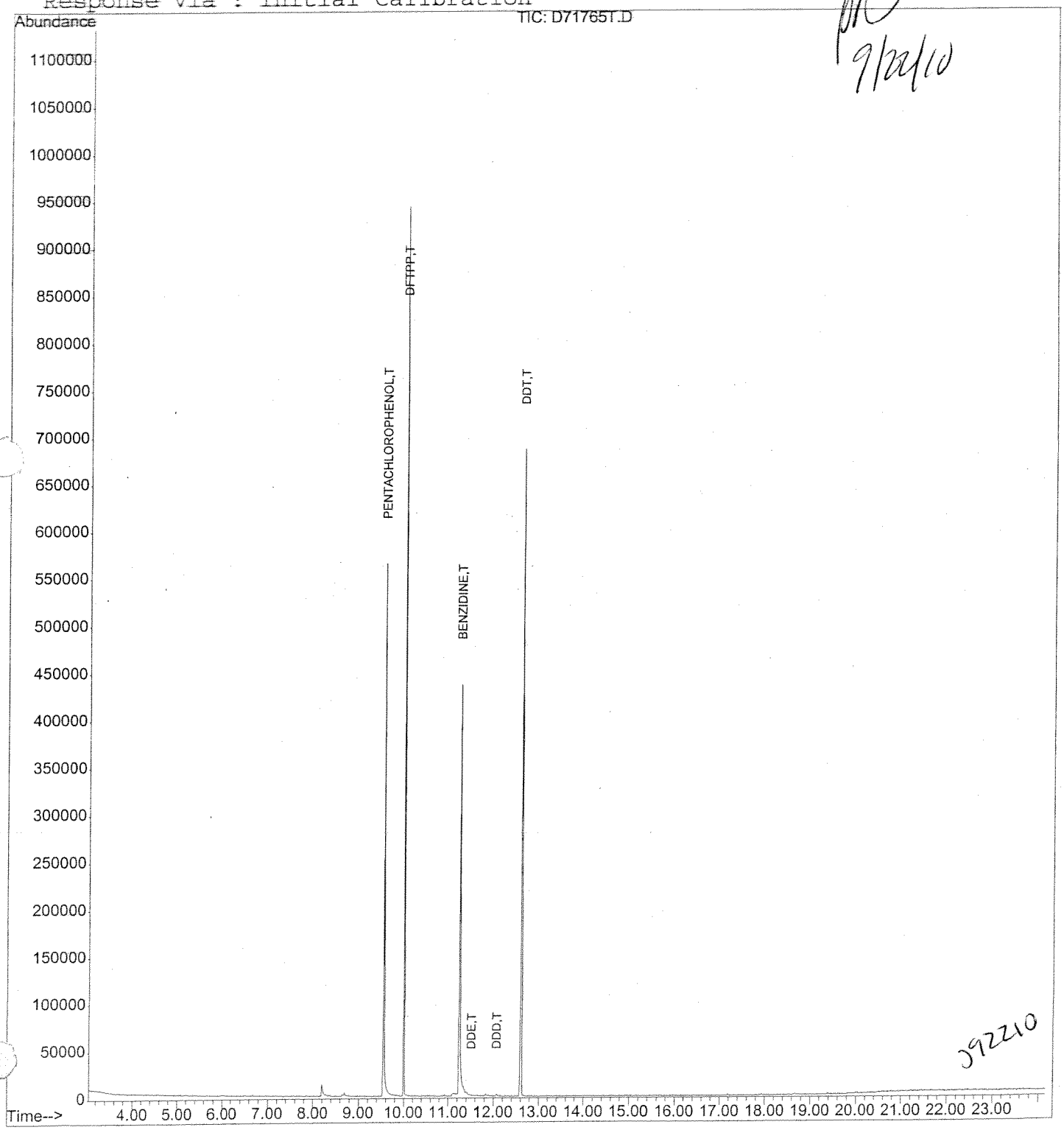
J92210

(#) = qualifier out of range (m) = manual integration
D71765T.D TUNMXEPH.M Wed Sep 22 03:42:48 2010 Page 1

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RE

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration



9/22/10

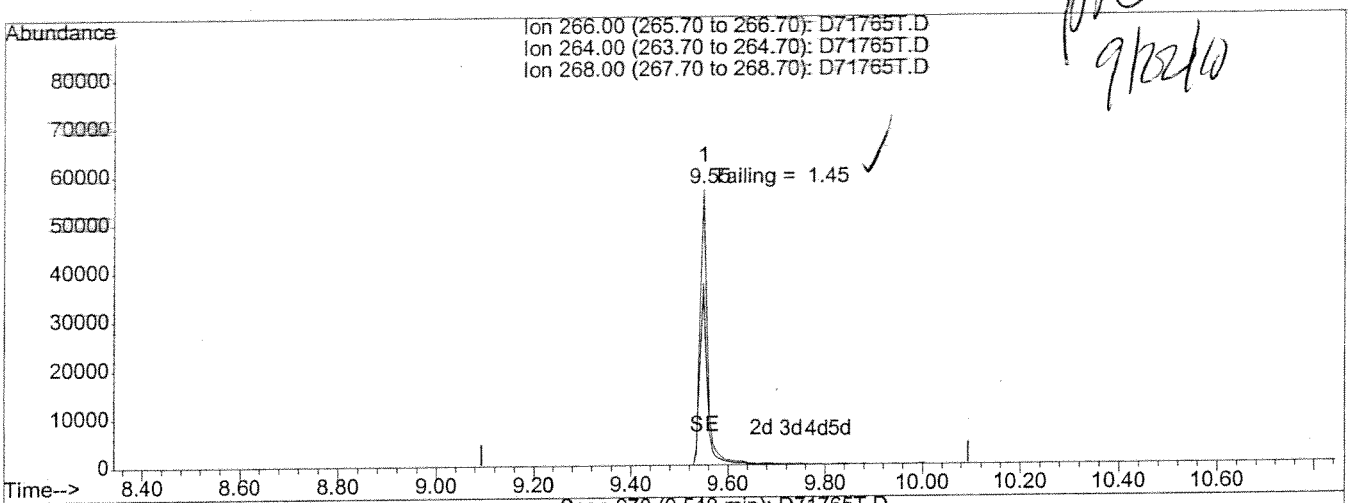
092210

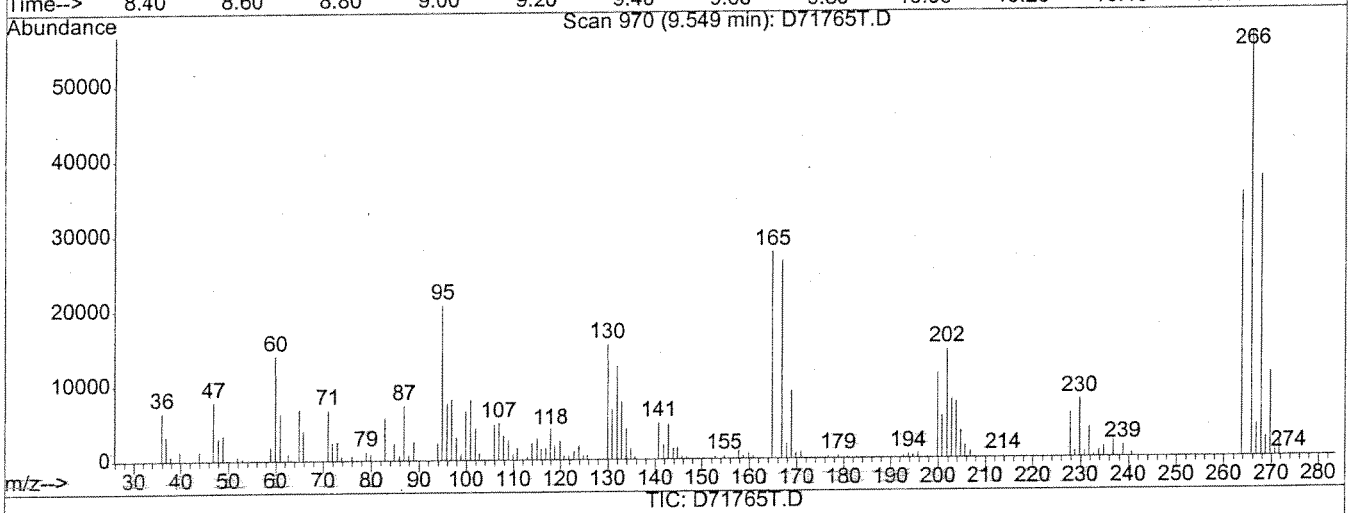
Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/22/10





(1) PENTACHLOROPHENOL (T)

9.55min 24.28UG/L

response 61202

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	62.65
268.00	62.40	64.84
0.00	0.00	0.00

592210

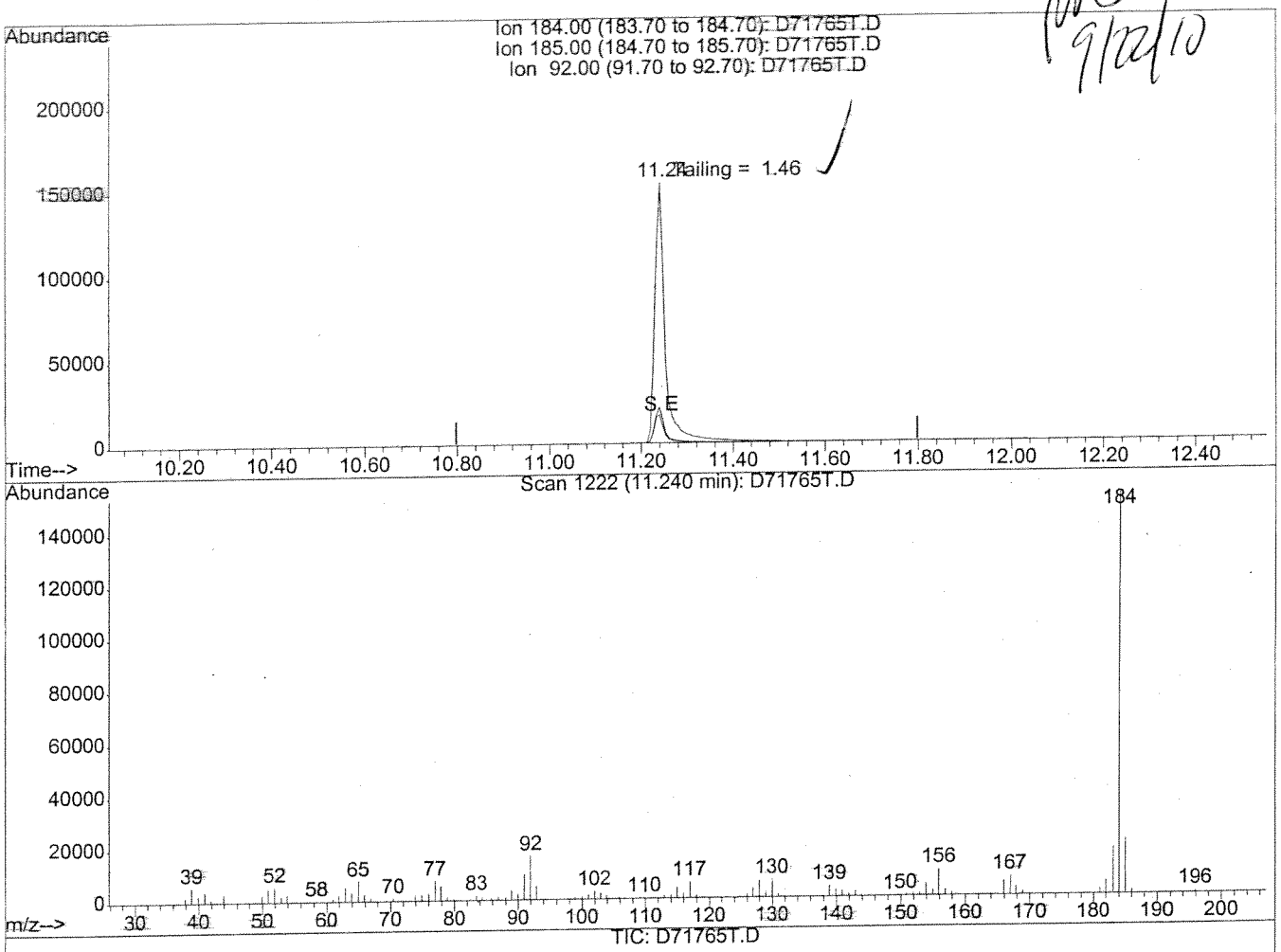
D71765T.D TUNMXEPH.M Wed Sep 22 03:42:55 2010

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/22/10



(3) BENZIDINE (T)

11.24min 30.32UG/L

response 243269

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.30#
92.00	0.00	10.82#
0.00	0.00	0.00

092210

D71765T.D TUNMXEPH.M Wed Sep 22 03:43:01 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67833
DFTPP File ID: J35930T.D
DFTPP Injection Date: 09/22/10
DFTPP Injection Time: 4:30

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
S10041 ARO 20	J35931SC.D	9/22/10	4:53
HEXANE W/IS	J35932.D	9/22/10	5:16
B092010EASE	J35933B.D	9/22/10	5:39
L092010EASE	J35934Q.D	9/22/10	6:02
LD092010EASE	J35935Q.D	9/22/10	6:25
L092010EASE	J35936Q.D	9/22/10	6:47
LD092010EASE	J35937Q.D	9/22/10	7:10
67833-1	J35938.D	9/22/10	7:33
67833-2	J35939.D	9/22/10	7:55
67833-3	J35940.D	9/22/10	8:18
67833-4	J35941.D	9/22/10	8:41
67833-5	J35942.D	9/22/10	9:03
67833-6	J35943.D	9/22/10	9:26
67833-6,MS	J35944SP.D	9/22/10	9:49
67833-6,MSD	J35945SP.D	9/22/10	10:11
67833-7	J35946.D	9/22/10	10:34
67833-8	J35947.D	9/22/10	10:57
67833-9	J35948.D	9/22/10	11:20
67833-10	J35949.D	9/22/10	11:43
67833-11	J35950.D	9/22/10	12:07
67833-12	J35951.D	9/22/10	12:30
67833-13	J35952.D	9/22/10	12:53
67833-14	J35953.D	9/22/10	13:17
67833-15	J35954.D	9/22/10	13:40
67833-16	J35955.D	9/22/10	14:03
S10041 ARO 20	J35959SC.D	9/22/10	15:35
S10041 ARO 20	J35960SC.D	9/22/10	15:58

Refer to the DFTPP report J35930T.D for ion ratio evaluation.

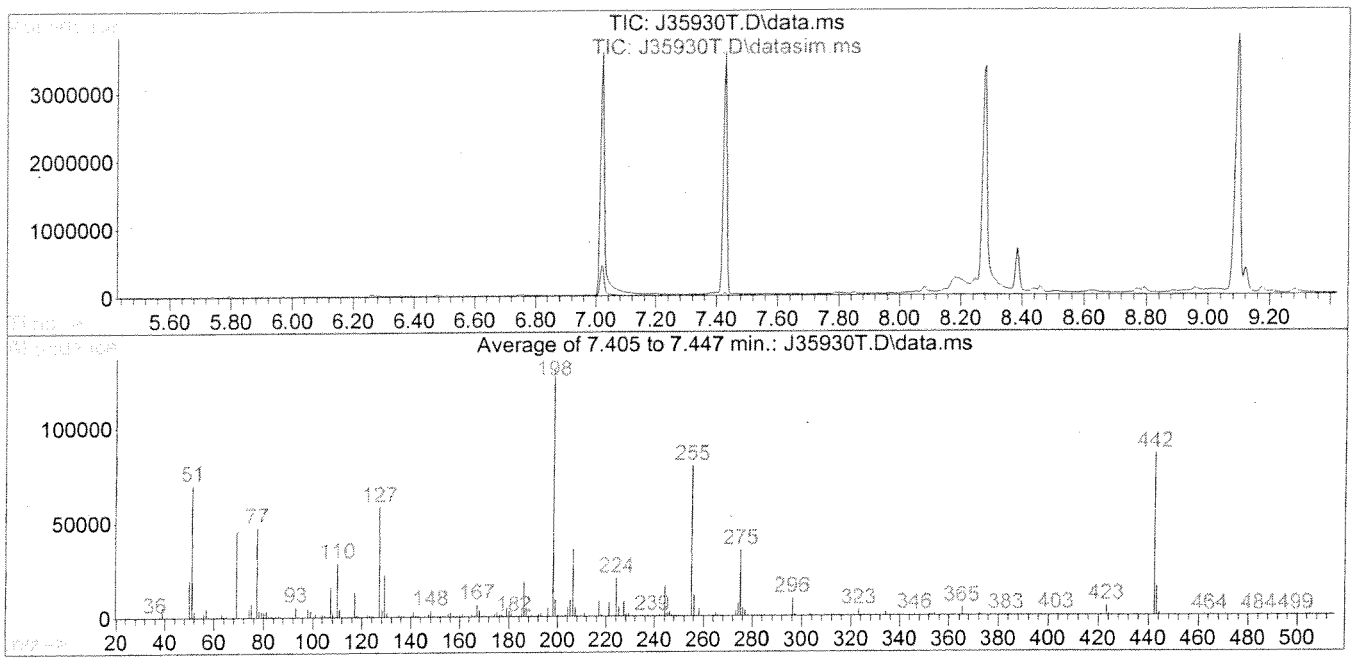
EPH FORM 5

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35930T.D
Acq On : 22 Sep 2010 4:30 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Wed Sep 22 00:54:43 2010

9/23/10



Spectrum Information: Average of 7.405 to 7.447 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	53.2	69777	PASS
68	69	0.00	2	0.0	17	PASS
69	198	0.00	100	34.6	45352	PASS
70	69	0.00	2	0.7	296	PASS
127	198	40	60	44.4	58131	PASS
197	198	0.00	1	0.0	2	PASS
198	198	100	100	100.0	131040	PASS
199	198	5	9	6.8	8876	PASS
275	198	10	30	26.7	34931	PASS
365	198	1	100	3.3	4366	PASS
441	443	0.01	100	0.2	34	PASS
442	198	40	100	65.3	85539	PASS
443	442	17	23	18.0	15399	PASS

J923W

SEMI-VOLATILE
TUNE MIX CHECK

PN 9/23/10

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35930T.D**
Date Acquired **9/22/2010 4:30**

Name	Target Response
Pentachlorophenol	481855.00
Benzidine	1704933.00
DDE	2326.00
DDD	17542
DDT	965301

(0% - 20%)

%DDT BREAKDOWN = 2.02% **OK**

292310

9/22/2010 4:50 AM

C:\msdchem\custrpt\ABN CUSTRPT\TUNEMIX.CRT

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35930T.D
Acq On : 22 Sep 2010 4:30 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 04:49:54 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) Pentachlorophenol	7.021	266	481855	32.95 ug/ml	99
2) DFTPP	7.428	198	365231	30.24 ug/ml#	100
3) Benzidine	8.281	184	1704933	27.55 ug/ml#	100
4) DDE	8.440	246	2326	1.58 ug/ml#	100
5) DDD	8.773	235	17542	1.09 ug/ml#	100
6) DDT	9.095	235	965301	31.46 ug/ml#	100

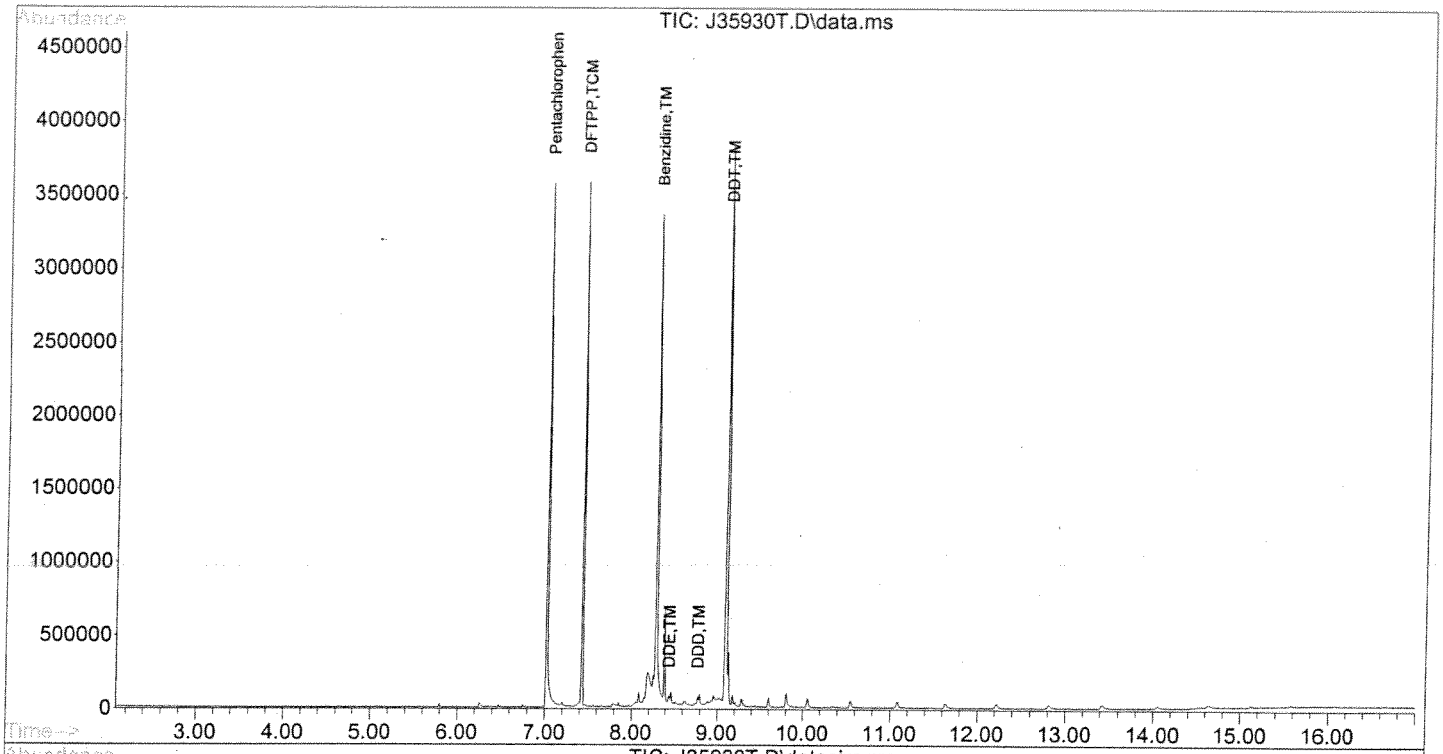
(#) = qualifier out of range (m) = manual integration (+) = signals summed

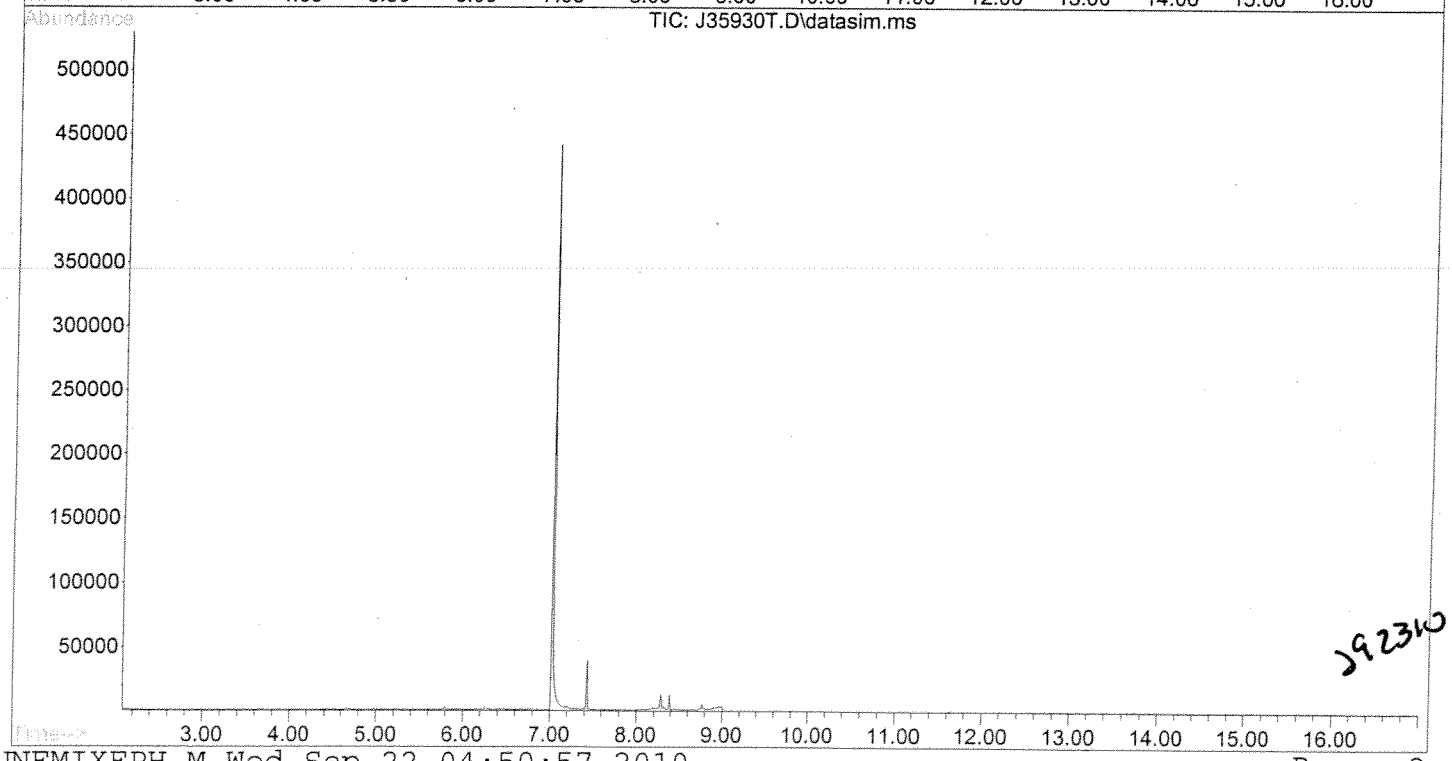
59-2310

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35930T.D
Acq On : 22 Sep 2010 4:30 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 04:49:54 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

9/23/10



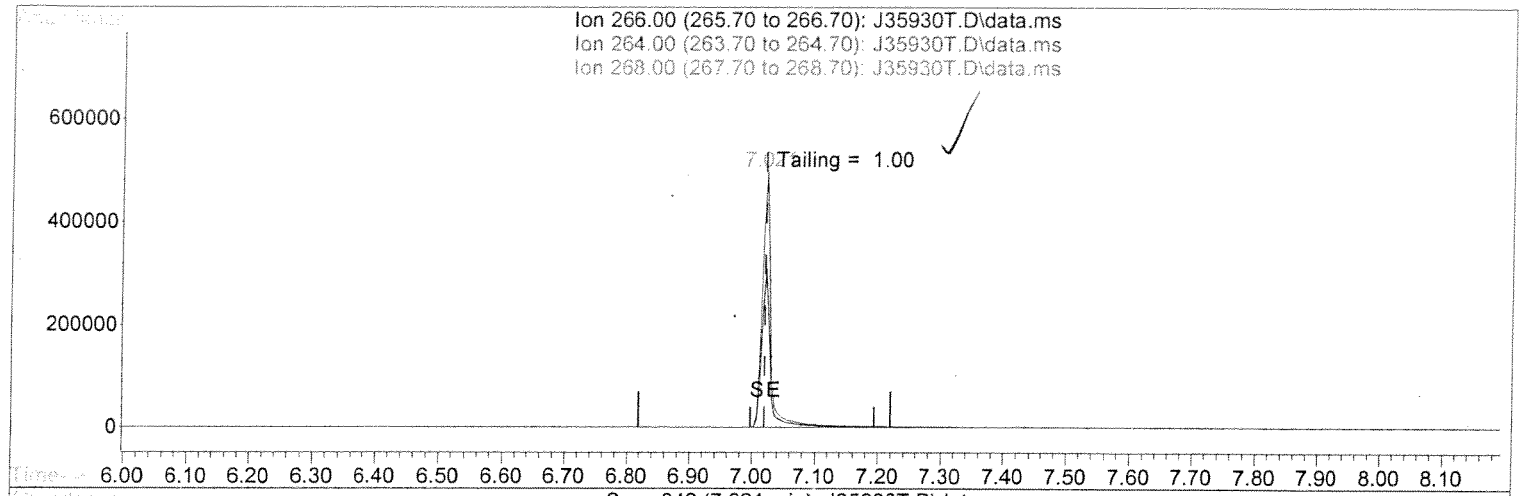


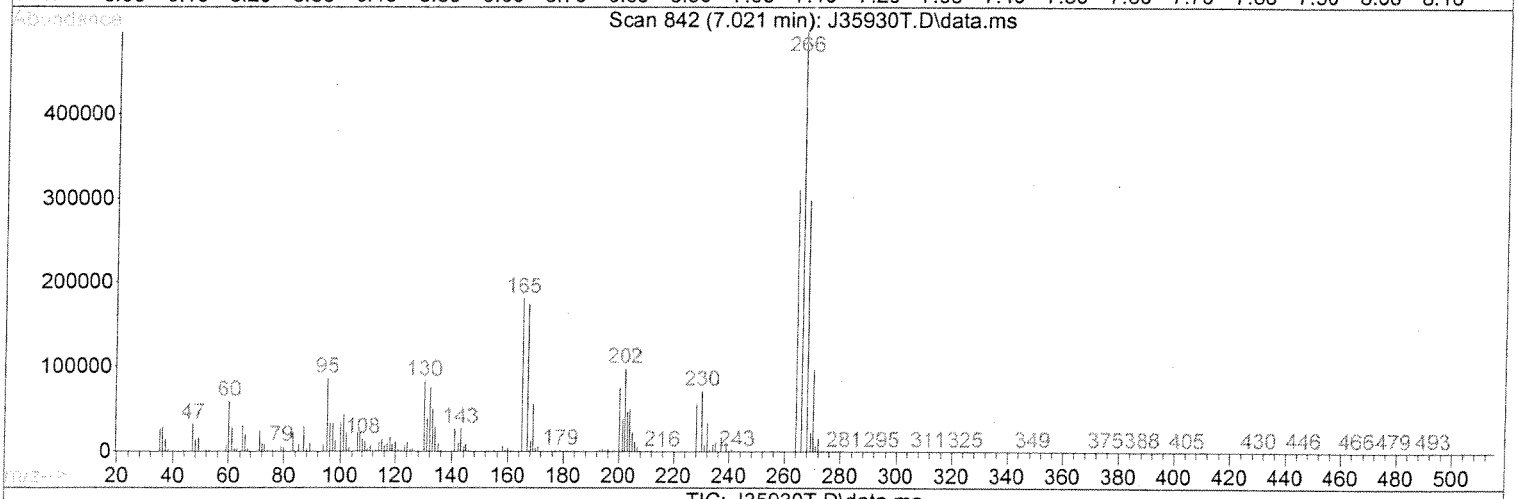
J92310

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35930T.D
Acq On : 22 Sep 2010 4:30 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 04:49:54 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

9/23/10





TIC: J35930T.D\data.ms

(1) Pentachlorophenol (TMC)

7.021min (+0.001) 32.95ug/ml

response 481855

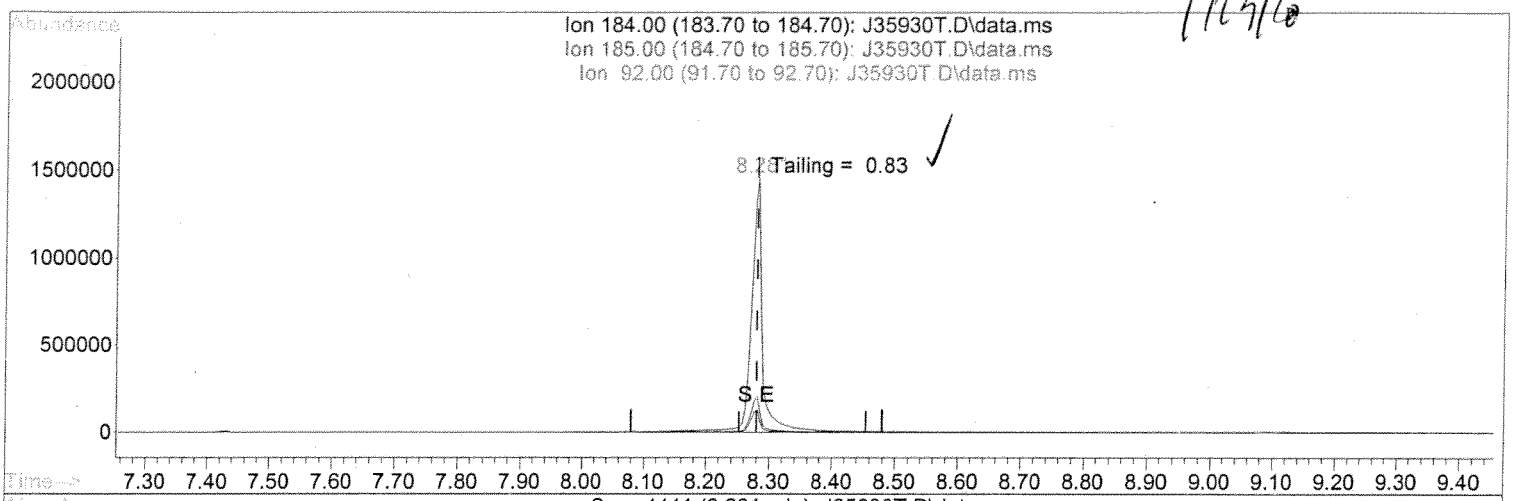
Ion	Exp%	Act%
266.00	100	100
264.00	63.20	62.68
268.00	61.50	60.48
0.00	0.00	0.00

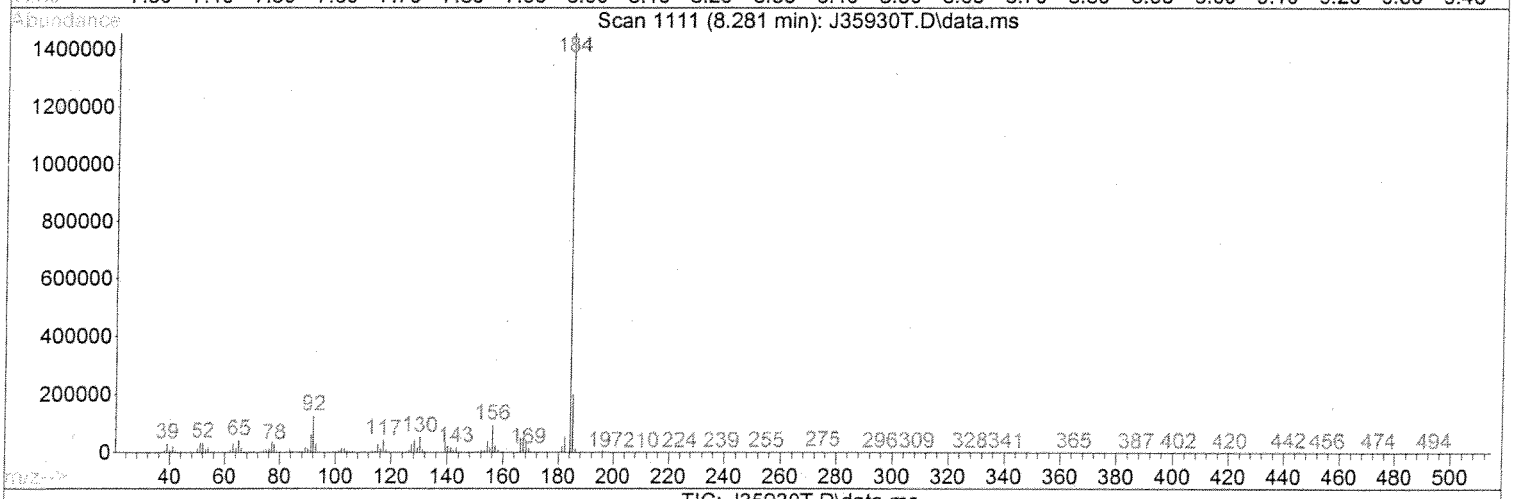
J92310

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35930T.D
Acq On : 22 Sep 2010 4:30 am
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 04:49:54 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

9/23/10





TIC: J35930T.D\data.ms

(3) Benzidine (TM)

8.281min (+0.001) 27.55ug/ml

response 1704933

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	14.06#
92.00	0.00	8.54#
0.00	0.00	0.00

J92310

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010

N080560

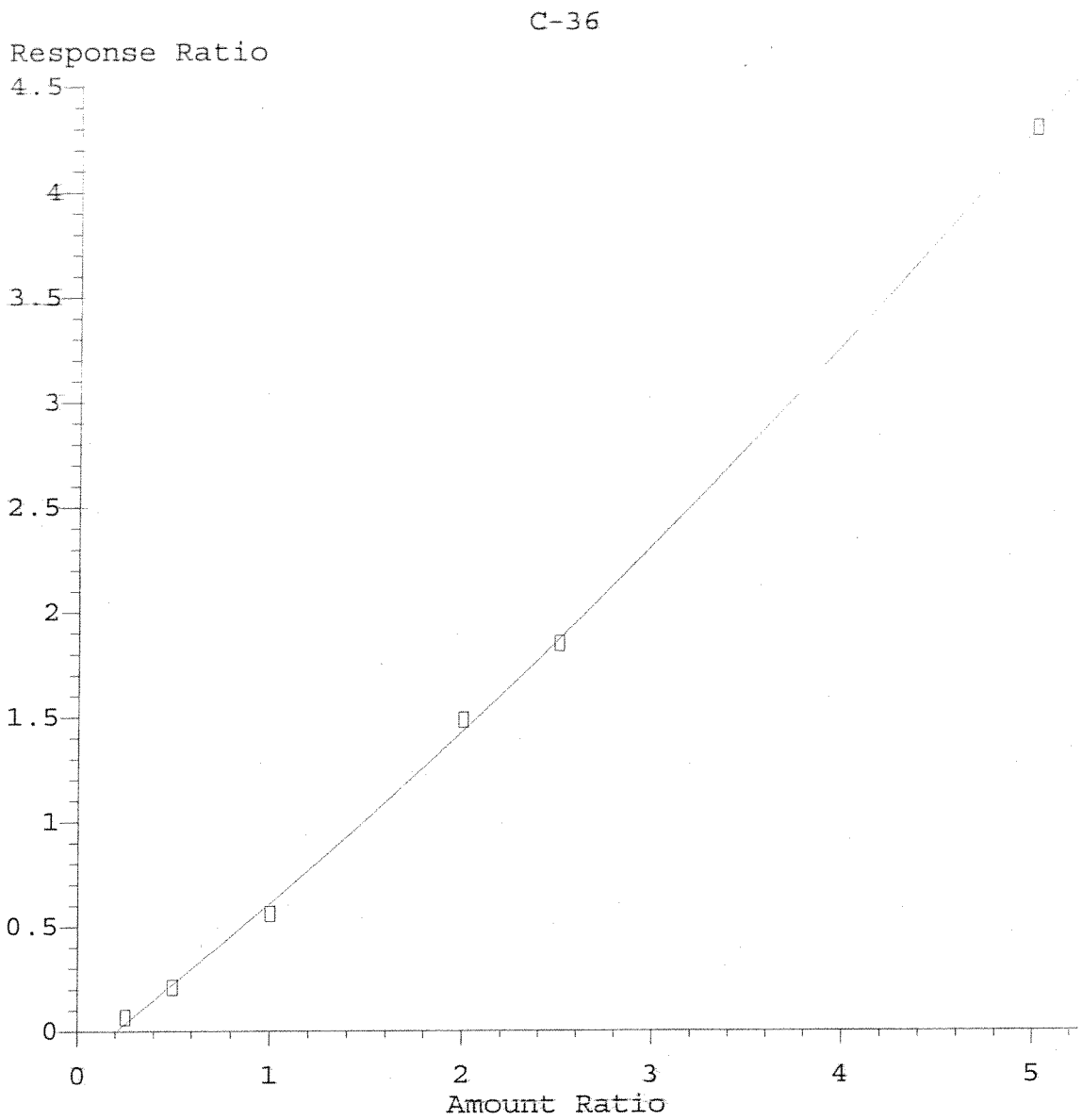
Calibration Files
5 =D71447SI.D 10 =D71448SI.D 20 =D71449SI.D
40 =D71450SI.D 50 =D71451SI.D 100 =D71452SI.D

	Compound	5	10	20	40	50	100	Avg		%RS
1)	I 5-alpha-Androstane	----------	----------	----------	ISTD	----------	----------	----------		
2)	TZM C-9	1.183	1.207	1.210	1.297	1.278	1.277	1.242	0	3.8
3)	TZM C-10	1.208	1.243	1.232	1.328	1.325	1.283	1.270	0	3.9
4)	TZM C-12	1.226	1.320	1.372	1.449	1.422	1.394	1.364	0	5.9
5)	TZM C-14	1.287	1.336	1.376	1.498	1.486	1.410	1.399	0	5.9
6)	TZM C-16	1.221	1.308	1.370	1.410	1.411	1.381	1.350	0	5.4
7)	TZM C-18	1.202	1.290	1.351	1.451	1.435	1.329	1.343	0	6.8
8)	XH C9-C18 ✓	1.221	1.284	1.319	1.405	1.393	1.346	1.328	0	5.2
9)	TZM C-19	1.201	1.280	1.351	1.418	1.425	1.296	1.329	0	6.5
10)	TZM C-20	1.160	1.240	1.286	1.445	1.394	1.287	1.302	0	7.9
11)	S 1-Chlorooctadecane	1.087	1.167	1.211	1.310	1.301	1.288	1.227	0	7.2
12)	TZM C-22	1.146	1.251	1.294	1.401	1.365	1.282	1.290	0	6.9
13)	TZM C-24	0.999	1.219	1.235	1.377	1.347	1.251	1.238	0	10.7
14)	TZM C-26	0.897	1.133	1.184	1.311	1.208	1.147	1.147	0	12.0
15)	TZM C-28	0.701	0.966	1.045	1.149	1.115	1.062	1.006	0	16.1
16)	TZM C-30	0.584	0.821	0.931	1.078	1.043	0.979	0.906	0	20.0
[illegible]	TZM C-36	0.268	0.418	0.560	0.742	0.740	0.860	0.598	0	37.5
[illegible]	XH C19-C36 ✓	0.869	1.041	1.111	1.240	1.205	1.145	1.102	0	12.1

✓ PK 8/5/10

(#) = Out of Range

N080510



R = 3.32e-002 A*A + 7.24e-001 A - 1.48e-001
Curve Fit: Quadratic

Method Name: D:\HPCHEM\1\METHODS\ALG80410.M
Calibration Table Last Updated: Thu Aug 05 08:16:42 2010

JON 8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71447SI.D Vial: 2
Acq On : 5 Aug 2010 2:18 am Operator: AR/NP
Sample : S9700 ALI 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6392677	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	694715	1.771 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	8.85%#
Target Compounds			
2) TZM C-9	4.24	1891193	4.764 ug/ml
3) TZM C-10	5.20	1931056	4.757 ug/ml
4) TZM C-12	6.66	1959344	4.494 ug/ml
5) TZM C-14	7.84	2056697	4.600 ug/ml
6) TZM C-16	8.86	1951643	4.522 ug/ml
7) TZM C-18	9.77	1921309	4.476 ug/ml
8) XH C9-C18	7.58	13597137	32.033 ug/ml
9) TZM C-19	10.20	1920131	4.522 ug/ml
10) TZM C-20	10.65	1853445	4.454 ug/ml
12) TZM C-22	11.68	1831839	4.443 ug/ml
13) TZM C-24	13.01	1596452	4.034 ug/ml
14) TZM C-26	14.50	1432921	3.910 ug/ml
15) TZM C-28	16.04	1119751	3.482 ug/ml
16) TZM C-30	17.55	933127	3.223 ug/ml
17) TZM C-36	21.63	428162	5.856 ug/ml
18) XH C19-C36	12.10	18819045	53.433 ug/ml

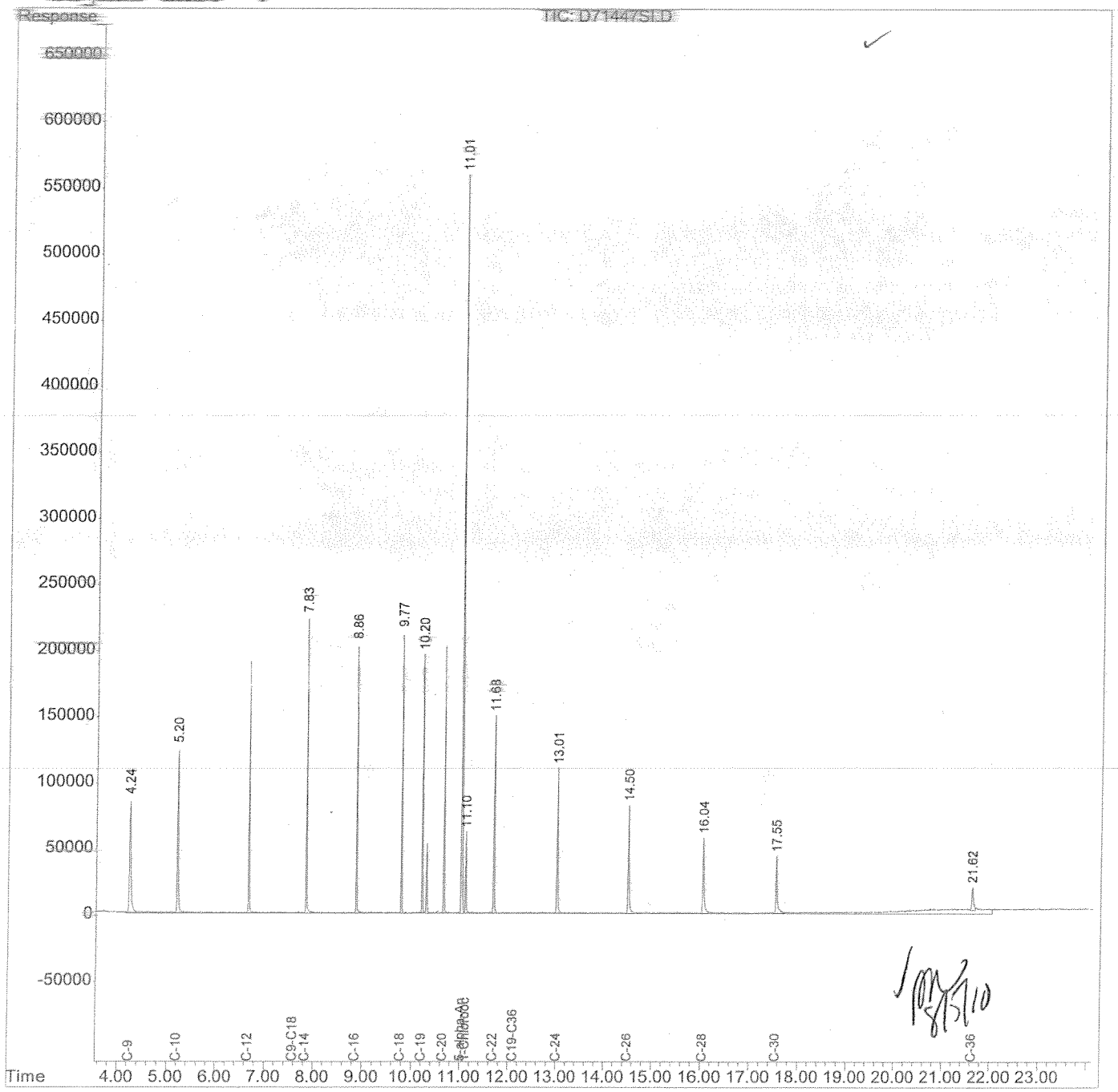
8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71447SI.D Vial: 2
Acq On : 5 Aug 2010 2:18 am Operator: AR/NP
Sample : S9700 ALI 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Data File : D:\HPCHEM\1\DATA\080410-D\D71448SI.D Vial: 3
Acq On : 5 Aug 2010 2:48 am Operator: AR/NP
Sample : S9701 ALI 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6336218	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	1479291	3.804 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	19.02%#
Target Compounds			
2) TZM C-9	4.24	3822700	9.716 ug/ml
3) TZM C-10	5.20	3938623	9.789 ug/ml
4) TZM C-12	6.66	4181325	9.677 ug/ml
5) TZM C-14	7.84	4233963	9.554 ug/ml
6) TZM C-16	8.86	4142955	9.685 ug/ml
7) TZM C-18	9.78	4088278	9.608 ug/ml
8) XH C9-C18	7.58	26462635	62.897 ug/ml
9) TZM C-19	10.20	4053948	9.632 ug/ml
10) TZM C-20	10.65	3929689	9.527 ug/ml
12) TZM C-22	11.68	3962671	9.698 ug/ml
13) TZM C-24	13.01	3863046	9.849 ug/ml
14) TZM C-26	14.50	3588388	9.878 ug/ml
15) TZM C-28	16.04	3060440	9.601 ug/ml
16) TZM C-30	17.55	2600258	9.060 ug/ml
17) TZM C-36	21.63	1322837	9.639 ug/ml
18) XH C19-C36	12.10	35862300	102.732 ug/ml

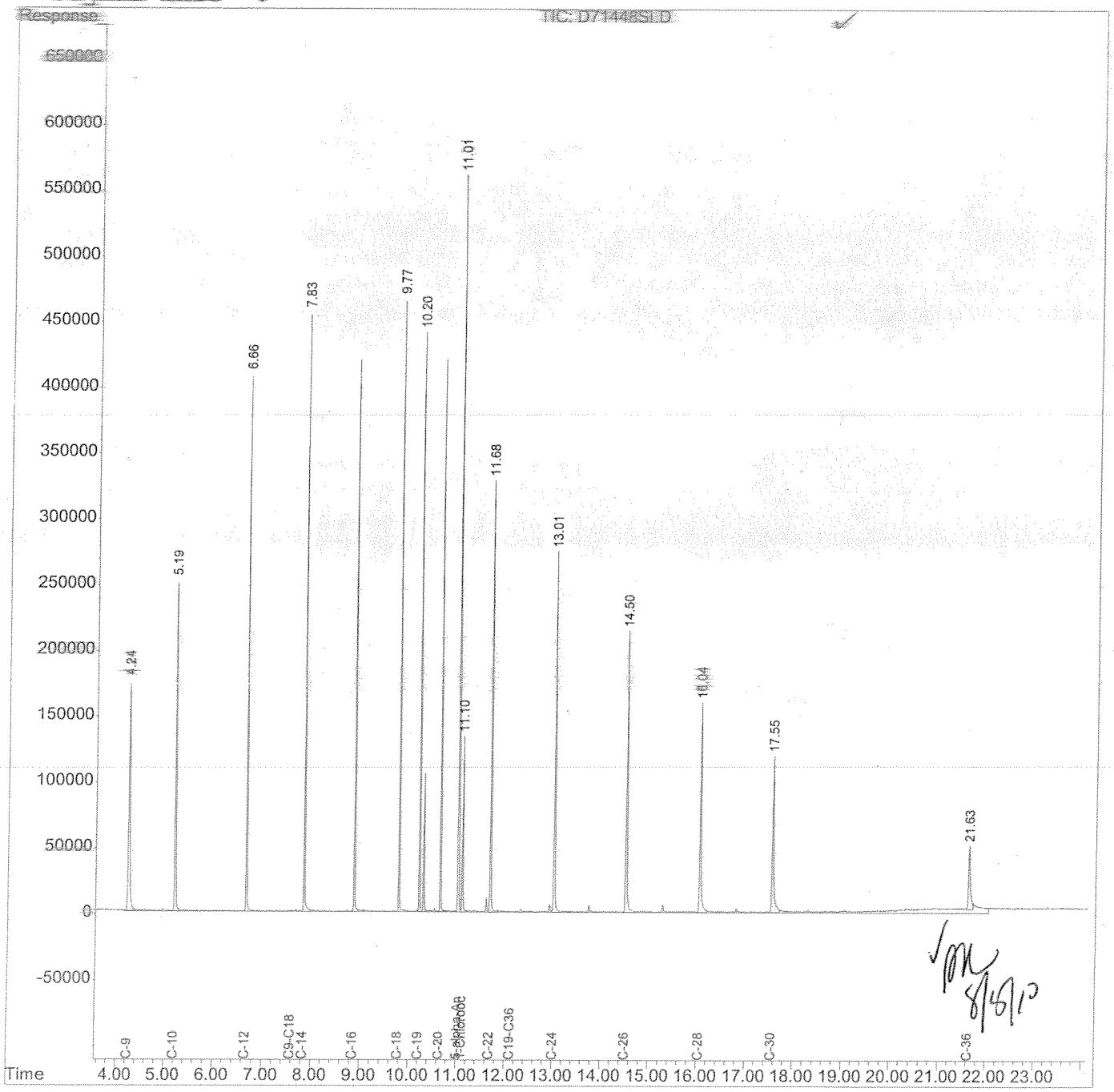
NP 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71448SI.D Vial: 3
Acq On : 5 Aug 2010 2:48 am Operator: AR/NP
Sample : S9701 ALI 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration NP 80410
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71449SI.D Vial: 4
Acq On : 5 Aug 2010 3:19 am Operator: AR/NP
Sample : S9702 ALI 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

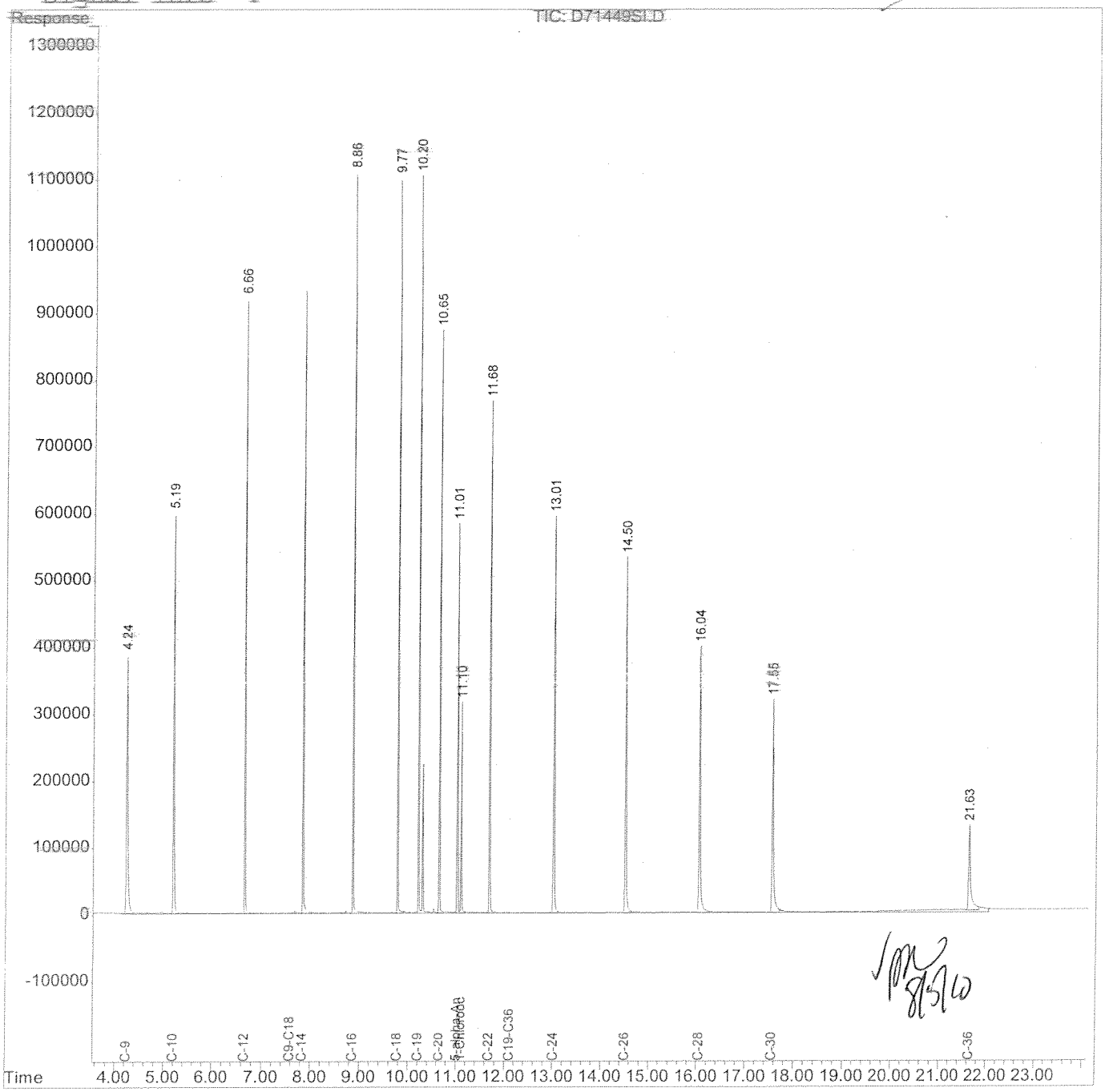
Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7097682	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	3438982	7.895 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	39.48%#
Target Compounds			
2) TZM C-9	4.24	8588165	19.486 ug/ml
3) TZM C-10	5.20	8746659	19.406 ug/ml
4) TZM C-12	6.66	9739787	20.122 ug/ml
5) TZM C-14	7.84	9764383	19.669 ug/ml
6) TZM C-16	8.86	9726068	20.297 ug/ml
7) TZM C-18	9.77	9590287	20.121 ug/ml
8) XH C9-C18	7.58	59053936	125.303 ug/ml
9) TZM C-19	10.20	9591604	20.344 ug/ml
10) TZM C-20	10.65	9128743	19.757 ug/ml
12) TZM C-22	11.68	9185337	20.067 ug/ml
13) TZM C-24	13.01	8763475	19.947 ug/ml
14) TZM C-26	14.50	8407095	20.660 ug/ml
15) TZM C-28	16.04	7415225	20.766 ug/ml
16) TZM C-30	17.55	6607521	20.553 ug/ml
17) TZM C-36	21.63	3975883	18.754 ug/ml
18) XH C19-C36	12.10	74373245	190.194 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71449SI.D Vial: 4
Acq On : 5 Aug 2010 3:19 am Operator: AR/NP
Sample : S9702 ALI 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration AR 080410
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D Vial: 5
Acq On : 5 Aug 2010 3:49 am Operator: AR/NP
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NT080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6995121	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	7331733	17.080 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.40%
Target Compounds			
2) TZM C-9	4.24	18142546	41.768 ug/ml
3) TZM C-10	5.20	18581737	41.832 ug/ml
4) TZM C-12	6.66	20277452	42.507 ug/ml
5) TZM C-14	7.84	20955405	42.832 ug/ml
6) TZM C-16	8.86	19724958	41.766 ug/ml
7) TZM C-18	9.78	20294947	43.204 ug/ml
8) XH C9-C18	7.58	121466705	261.512 ug/ml
9) TZM C-19	10.21	19831232	42.680 ug/ml
10) TZM C-20	10.65	20212359	44.386 ug/ml
12) TZM C-22	11.68	19594057	43.434 ug/ml
13) TZM C-24	13.02	19266627	44.496 ug/ml
14) TZM C-26	14.51	18335389	45.718 ug/ml
15) TZM C-28	16.05	16077236	45.684 ug/ml
16) TZM C-30	17.56	15083647	47.606 ug/ml
17) TZM C-36	21.64	10386932	41.215 ug/ml
18) XH C19-C36	12.10	154317013	400.420 ug/ml

8/5/10

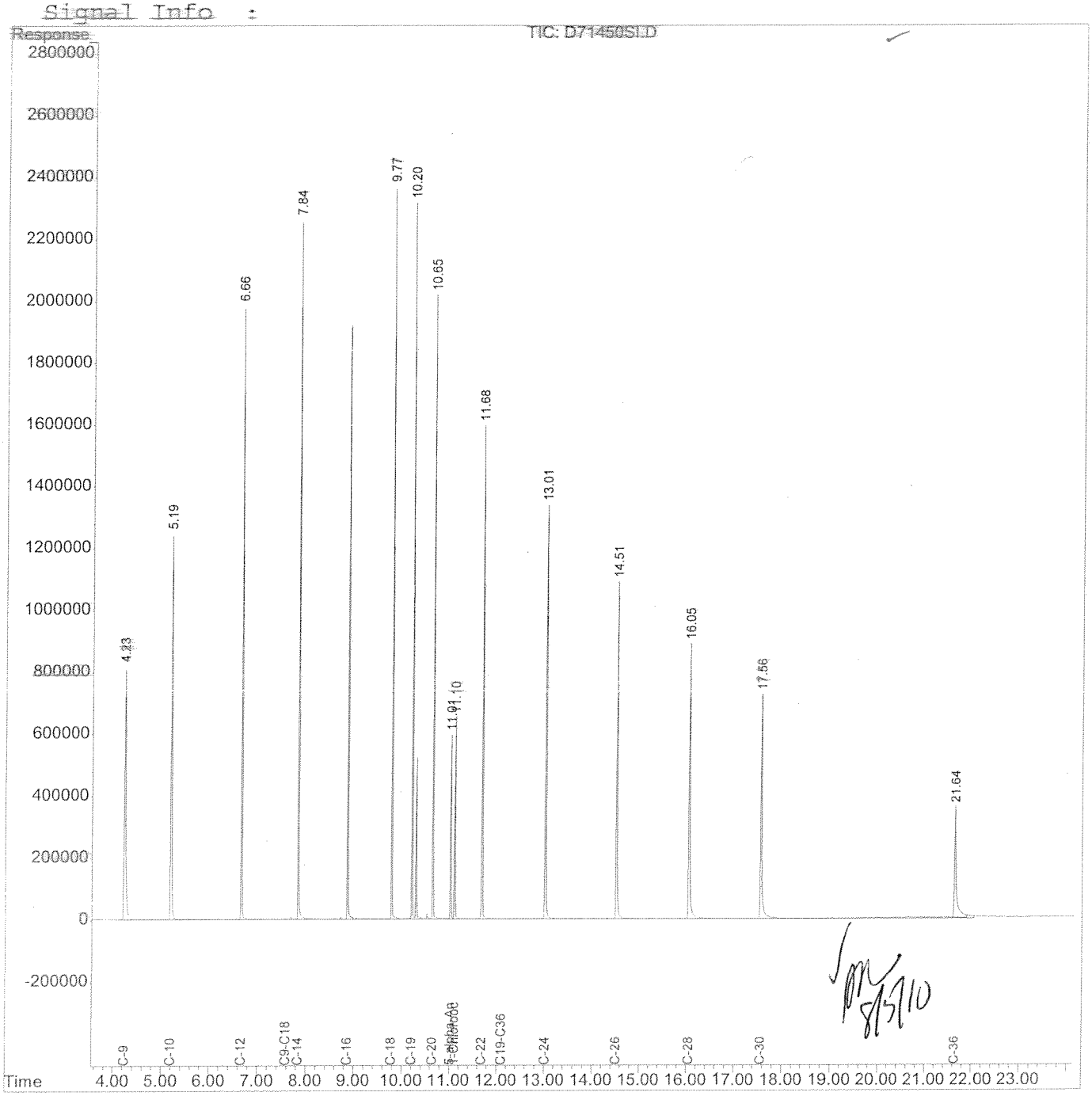
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D Vial: 5
Acq On : 5 Aug 2010 3:49 am Operator: AR/NP
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NP 8/4/10

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71451SI.D Vial: 6
Acq On : 5 Aug 2010 4:20 am Operator: AR/NP
Sample : S9704 ALI 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Vp080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6719901	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.11	8740750	21.196 ug/ml
Spiked Amount 20.000	Range 40 - 140	Recovery =	105.98%
Target Compounds			
2) TZM C-9	4.23	21471611	51.457 ug/ml
3) TZM C-10	5.20	22257625	52.159 ug/ml
4) TZM C-12	6.66	23885748	52.122 ug/ml
5) TZM C-14	7.84	24969534	53.126 ug/ml
6) TZM C-16	8.86	23711711	52.264 ug/ml
7) TZM C-18	9.78	24100785	53.407 ug/ml
8) XH C9-C18	7.58	143898899	322.496 ug/ml
9) TZM C-19	10.21	23935439	53.622 ug/ml
10) TZM C-20	10.65	23417674	53.531 ug/ml
12) TZM C-22	11.69	22935371	52.923 ug/ml
13) TZM C-24	13.02	22630520	54.406 ug/ml
14) TZM C-26	14.51	20297682	52.684 ug/ml
15) TZM C-28	16.05	18730549	55.403 ug/ml
16) TZM C-30	17.56	17517785	57.553 ug/ml
17) TZM C-36	21.64	12428650	49.555 ug/ml
18) XH C19-C36	12.10	179826756	485.724 ug/ml

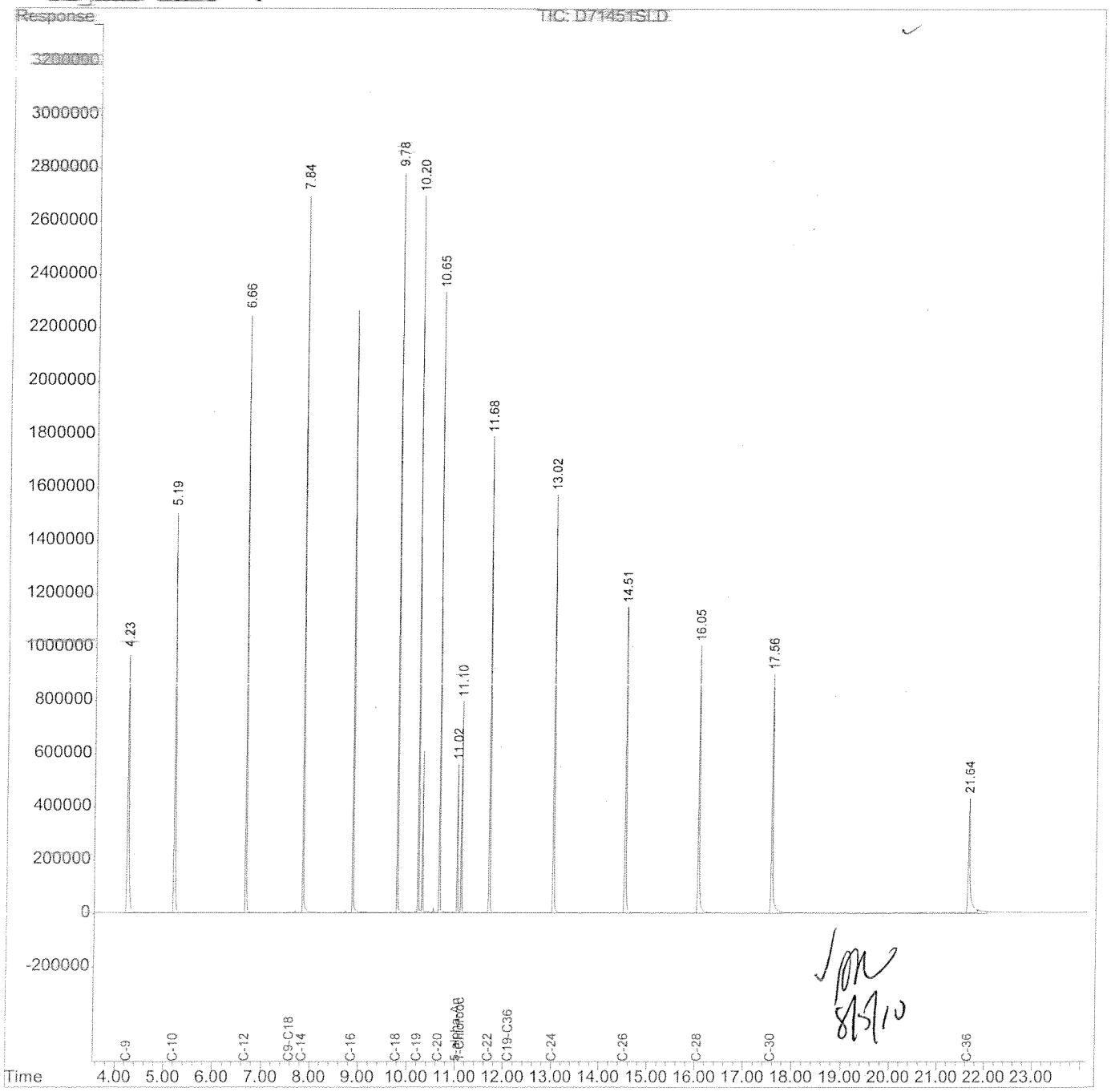
JM 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71451SI.D Vial: 6
Acq On : 5 Aug 2010 4:20 am Operator: AR/NP
Sample : S9704 ALI 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Data File : D:\HPCHEM\1\DATA\080410-D\D71452SI.D Vial: 7
Acq On : 5 Aug 2010 4:50 am Operator: AR/NP
Sample : S9705 ALI 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NJ 8/04/10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6944560	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.11	17886066	41.970 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	209.85%#
Target Compounds			
2) TZM C-9	4.24	44324733	102.789 ug/ml
3) TZM C-10	5.20	44561099	101.047 ug/ml
4) TZM C-12	6.67	48409664	102.219 ug/ml
5) TZM C-14	7.84	48952535	100.784 ug/ml
6) TZM C-16	8.87	47958211	102.288 ug/ml
7) TZM C-18	9.78	46158283	98.978 ug/ml
8) XH C9-C18	7.58	285737875	619.660 ug/ml
9) TZM C-19	10.21	45011659	97.577 ug/ml
10) TZM C-20	10.66	44684225	98.841 ug/ml
12) TZM C-22	11.69	44512571	99.390 ug/ml
13) TZM C-24	13.03	43429087	101.030 ug/ml
14) TZM C-26	14.52	39840863	100.065 ug/ml
15) TZM C-28	16.06	36863838	105.513 ug/ml
16) TZM C-30	17.57	33990751	108.060 ug/ml
17) TZM C-36	21.66	29861269	99.974 ug/ml
18) XH C19-C36	12.10	345902377	904.079 ug/ml

8/5/10

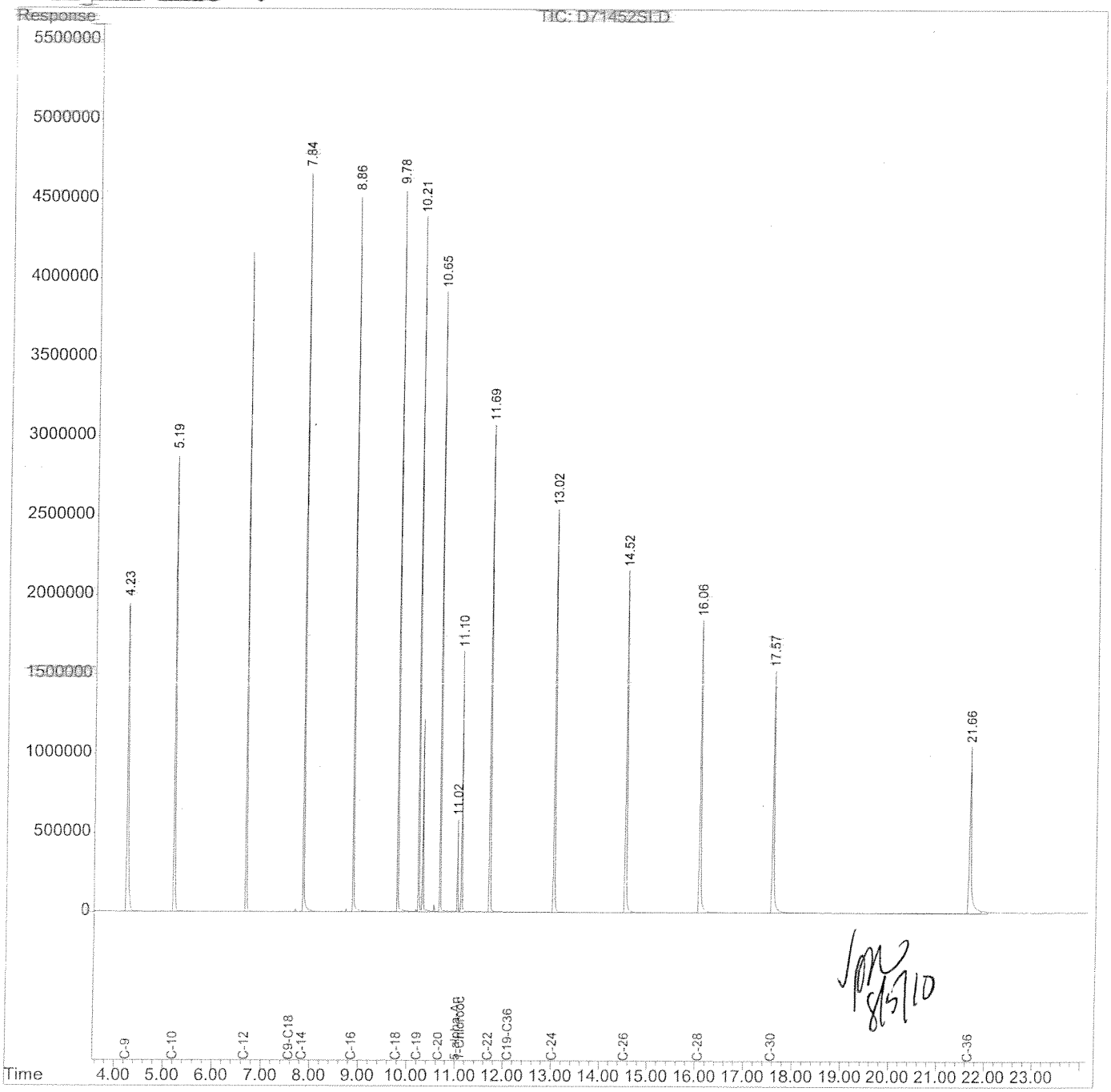
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71452SI.D Vial: 7
Acq On : 5 Aug 2010 4:50 am Operator: AR/NP
Sample : S9705 ALI 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Vrs 8040

Volume Inj. :
Signal Phase :
Signal Info :



JPM 8/5/10

GC ALIPHATIC
2ND SOURCE CHECK

Data File Name D71453.D
Sample Name S9715 ALI 20 ICV
Date Acquired 8/5/2010 5:21

N080410

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
C-9	20.65	20	103%	OK	20.65		
C-10	21.26	20	106%	OK	21.26		
C-12	22.50	20	113%	OK	22.50		
C-14	21.19	20	106%	OK	21.19		
C-16	21.45	20	107%	OK	21.45		
C-18	20.57	20	103%	OK	20.57		
C9-C18		120			**127.62**	106%	OK
C-19	20.54	20	103%	OK	20.54		
C-20	21.18	20	106%	OK	21.18		
C-22	21.05	20	105%	OK	21.05		
C-24	20.76	20	104%	OK	20.76		
C-26	20.40	20	102%	OK	20.40		
C-28	21.22	20	106%	OK	21.22		
C-30	20.68	20	103%	OK	20.68		
C-36	18.98	20	95%	OK	18.98		
C19-C36		160			**164.81**	103%	OK
1-Chlorooctadecane	19.20	20	96%	OK			

JOM 8/5/10

8/5/10 8:18 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ALGICVSUMPRCT.CRT

Data File : D:\HPCHEM\1\DATA\080410-D\D71453.D Vial: 8
Acq On : 5 Aug 2010 5:21 am Operator: AR/NP
Sample : S9715 ALI 20 ICV Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6985246	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	8231904	19.204 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	96.02%
Target Compounds			
2) TZM C-9	4.22	8955604	20.647 ug/ml
3) TZM C-10	5.19	9430103	21.259 ug/ml
4) TZM C-12	6.66	10720219	22.504 ug/ml
5) TZM C-14	7.84	10353883	21.193 ug/ml
6) TZM C-16	8.86	10118153	21.455 ug/ml
7) TZM C-18	9.77	9647389	20.566 ug/ml
8) XH C9-C18	7.58	64711701	139.518 ug/ml
9) TZM C-19	10.20	9531821	20.543 ug/ml
10) TZM C-20	10.65	9632283	21.182 ug/ml
12) TZM C-22	11.68	9484344	21.054 ug/ml
13) TZM C-24	13.01	8975020	20.757 ug/ml
14) TZM C-26	14.51	8171275	20.404 ug/ml
15) TZM C-28	16.05	7456659	21.218 ug/ml
16) TZM C-30	17.55	6541762	20.676 ug/ml
17) TZM C-36	21.64	3973572	18.975 ug/ml
18) XH C19-C36	12.10	80336204	208.750 ug/ml

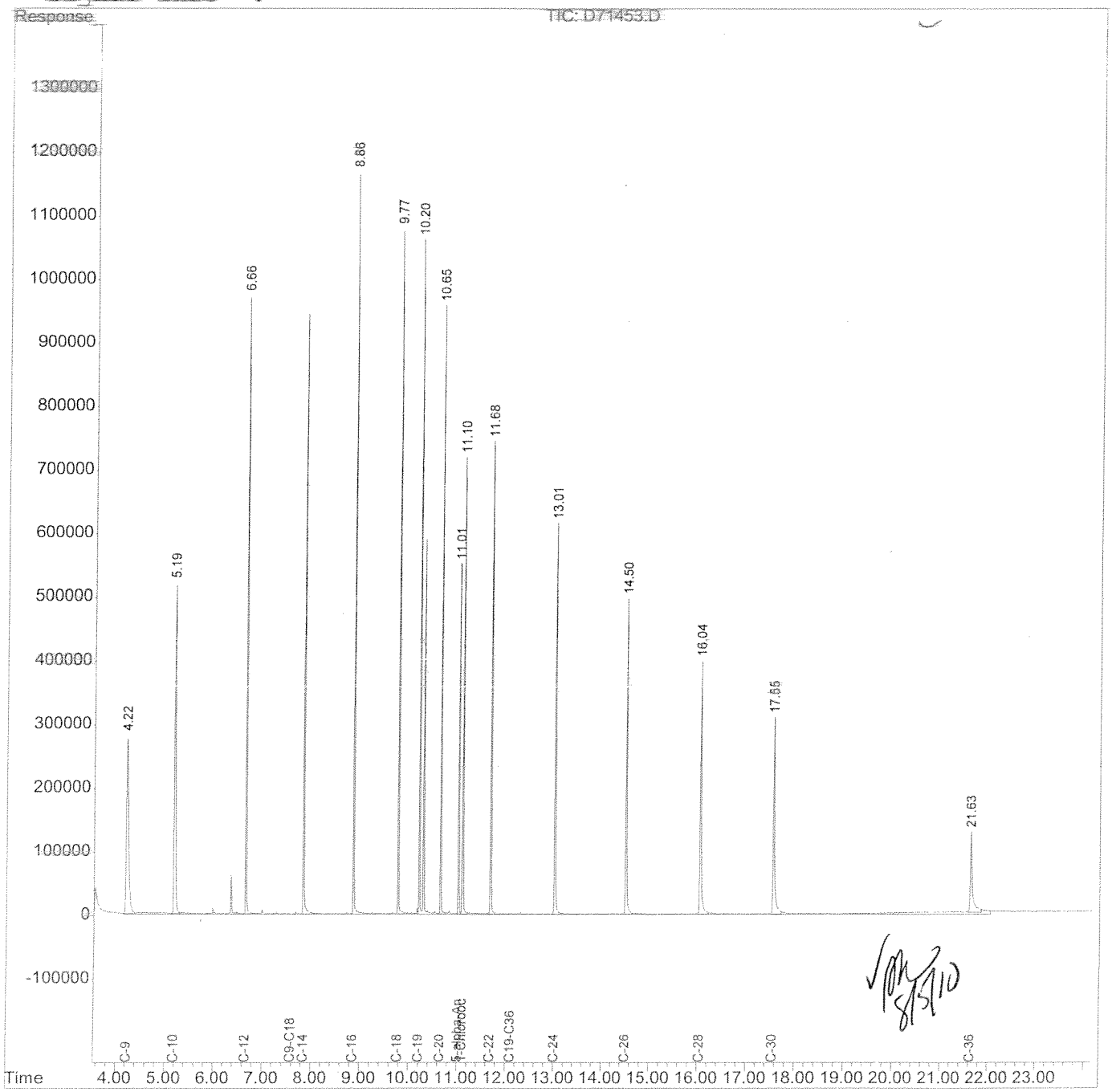
8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.
D71453.D ALG80410.M Thu Aug 05 08:19:59 2010 Page 1

Data File : D:\HPCHEM\1\DATA\080410-D\D71453.D Vial: 8
Acq On : 5 Aug 2010 5:21 am Operator: AR/NP
Sample : S9715 ALI 20 ICV Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Method Path : C:\msdchem\1\METHODS\
Method File : ARM092110.M
Title : EPH MS AROMATICS
Last Update : Wed Sep 22 03:42:32 2010
Response Via : Initial Calibration

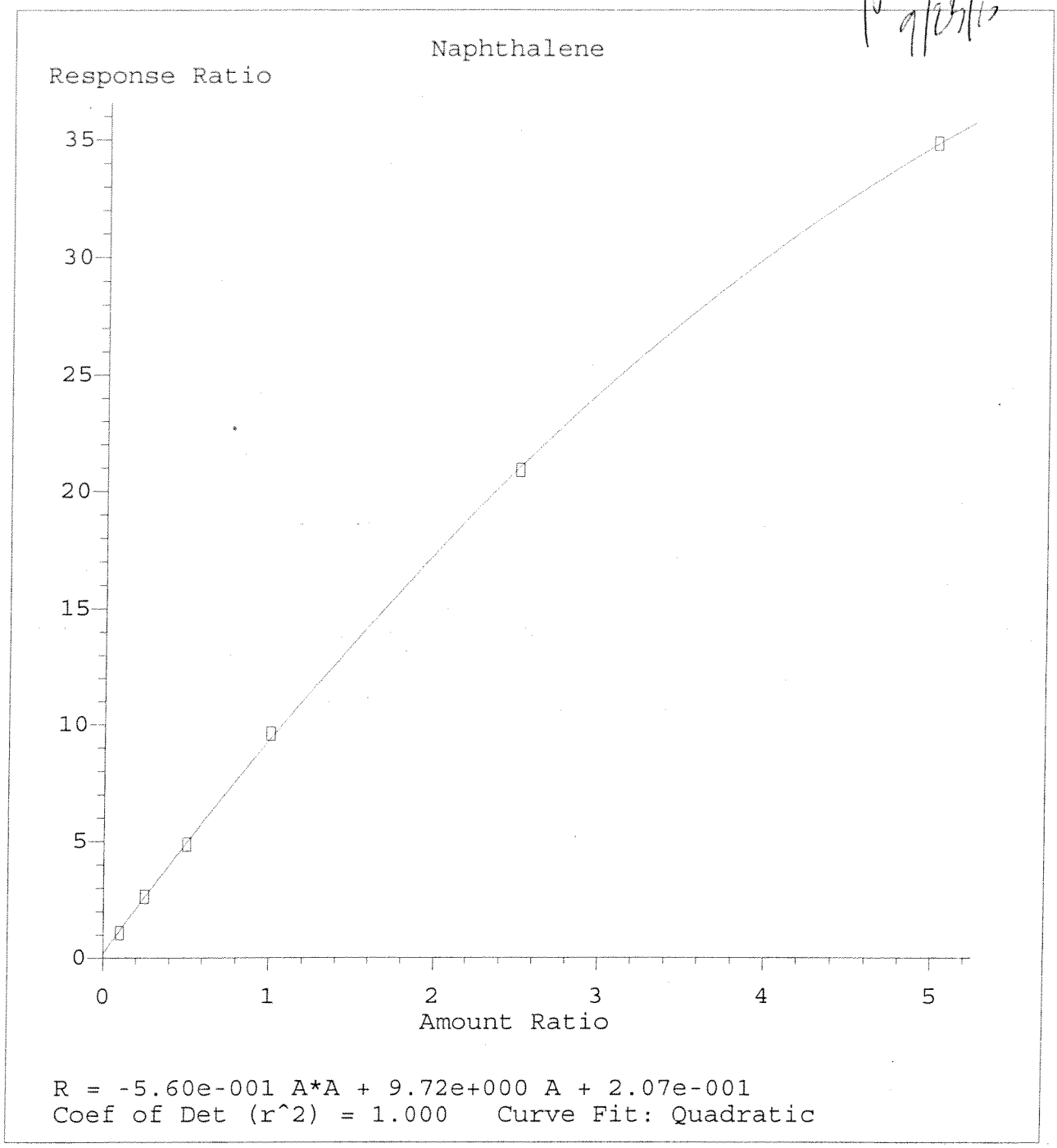
AM 9/22/10

Calibration Files
2 =J35922SI.D 5 =J35923SI.D 10 =J35924SI.D 20 =J35925SI.D
50 =J35926SI.D 100 =J35927SI.D

		Compound	2	5	10	20	50	100	Avg		%RSD
1)	I	5-alpha-Androstane	----------ISTD----------								
2)	TM	Naphthalene	1.078	1.052	0.973	0.960	0.835	0.697	0.932	E1	15.38
3)	TM	2-Methylnaphth...	6.259	5.925	5.422	5.362	4.575	3.830	5.229		17.08
4)	TM	Acenaphthylene	1.150	1.143	1.057	1.036	0.897	0.757	1.007	E1	15.19
5)	TM	Acenaphthene	6.505	6.218	5.722	5.603	4.829	3.988	5.477		16.97
6)	TM	Fluorene	8.263	7.856	7.458	7.263	6.141	5.208	7.031		16.28
7)	TM	Phenanthrene	1.156	1.163	1.086	1.045	0.891	0.742	1.014	E1	16.34
8)	TM	Anthracene	1.213	1.166	1.087	1.043	0.879	0.737	1.021	E1	17.71
9)	S	2-Fluorobiphenyl	8.587	8.314	7.842	7.733	6.949	5.967	7.565		12.74
10)	S	2-Bromonaphtha...	3.897	3.801	3.556	3.480	3.220	2.807	3.460		11.57
11)	S	o-terphenyl	6.812	6.639	6.306	6.054	5.591	4.946	6.058		11.49
12)	TM	Fluoranthene	1.350	1.270	1.226	1.164	0.957	0.833	1.133	E1	17.47
13)	TM	Pyrene	1.399	1.320	1.266	1.203	1.017	0.878	1.180	E1	16.66
14)	TM	Benzo[a]anthra...	1.065	1.043	1.003	0.968	0.865	0.793	0.956	E1	11.13
15)	TM	Chrysene	1.090	1.044	0.988	0.934	0.828	0.726	0.935	E1	14.65
16)	TM	Benzo[b] fluor...	8.919	8.719	8.495	8.623	7.987	7.653	8.399		5.73
17)	TM	Benzo[k] fluor...	9.731	9.088	8.920	8.240	7.343	6.574	8.316		14.18
18)	TM	Benzo[a] pyrene	8.722	8.531	8.291	8.163	7.362	6.972	8.007		8.61
19)	TM	Indeno [1,2,3-...	6.646	6.585	6.314	6.456	6.362	6.218	6.430		2.55
20)	TM	Dibenz [a,h] a...	6.509	5.989	6.262	6.305	6.286	5.567	6.153		5.39
21)	TM	Benzo(g,h,i) ...	7.605	7.496	7.111	6.965	6.752	5.797	6.954		9.37
22)		c11-c22							0.000#		-1.00

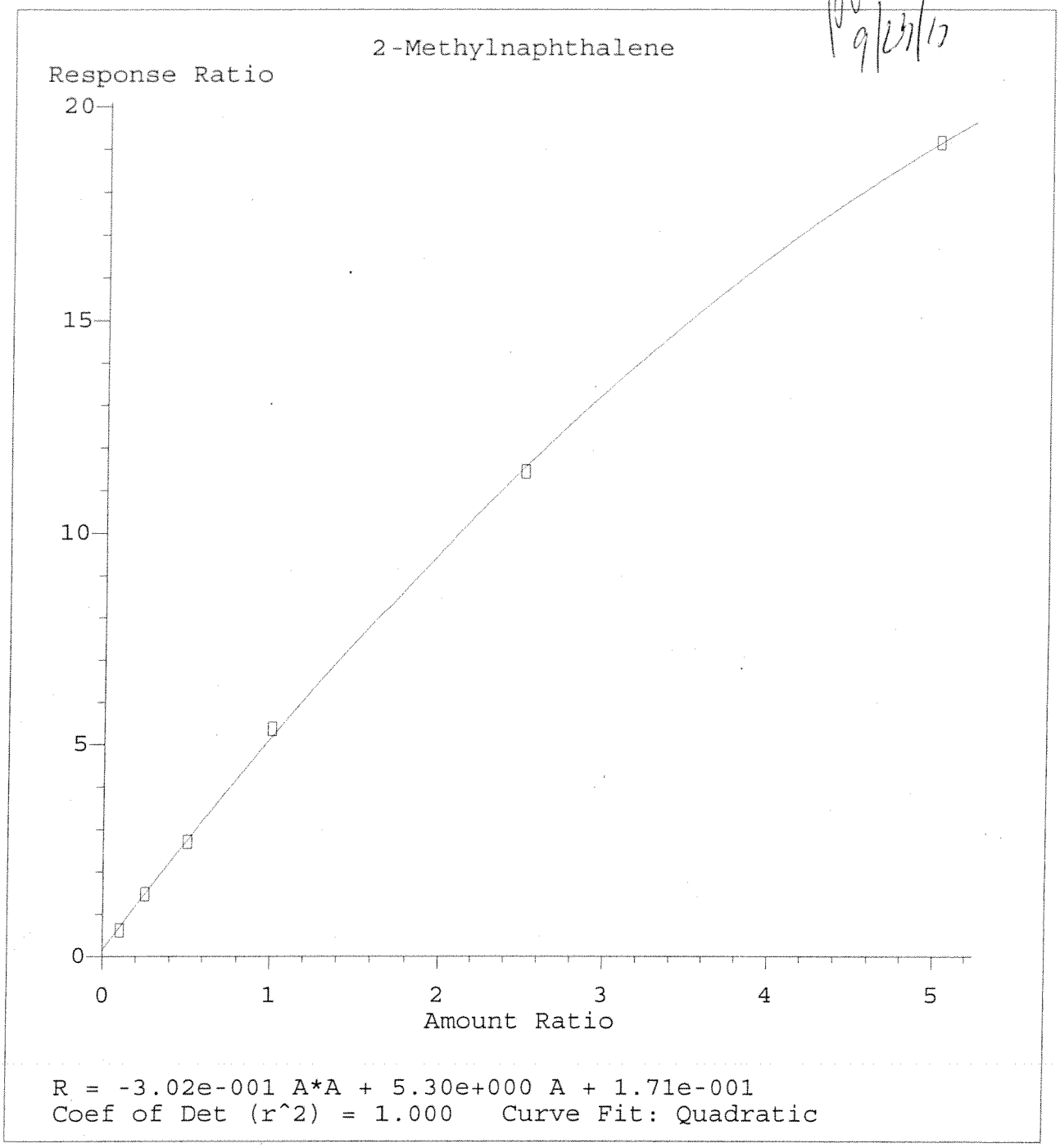
(#) = Out of Range

J92210



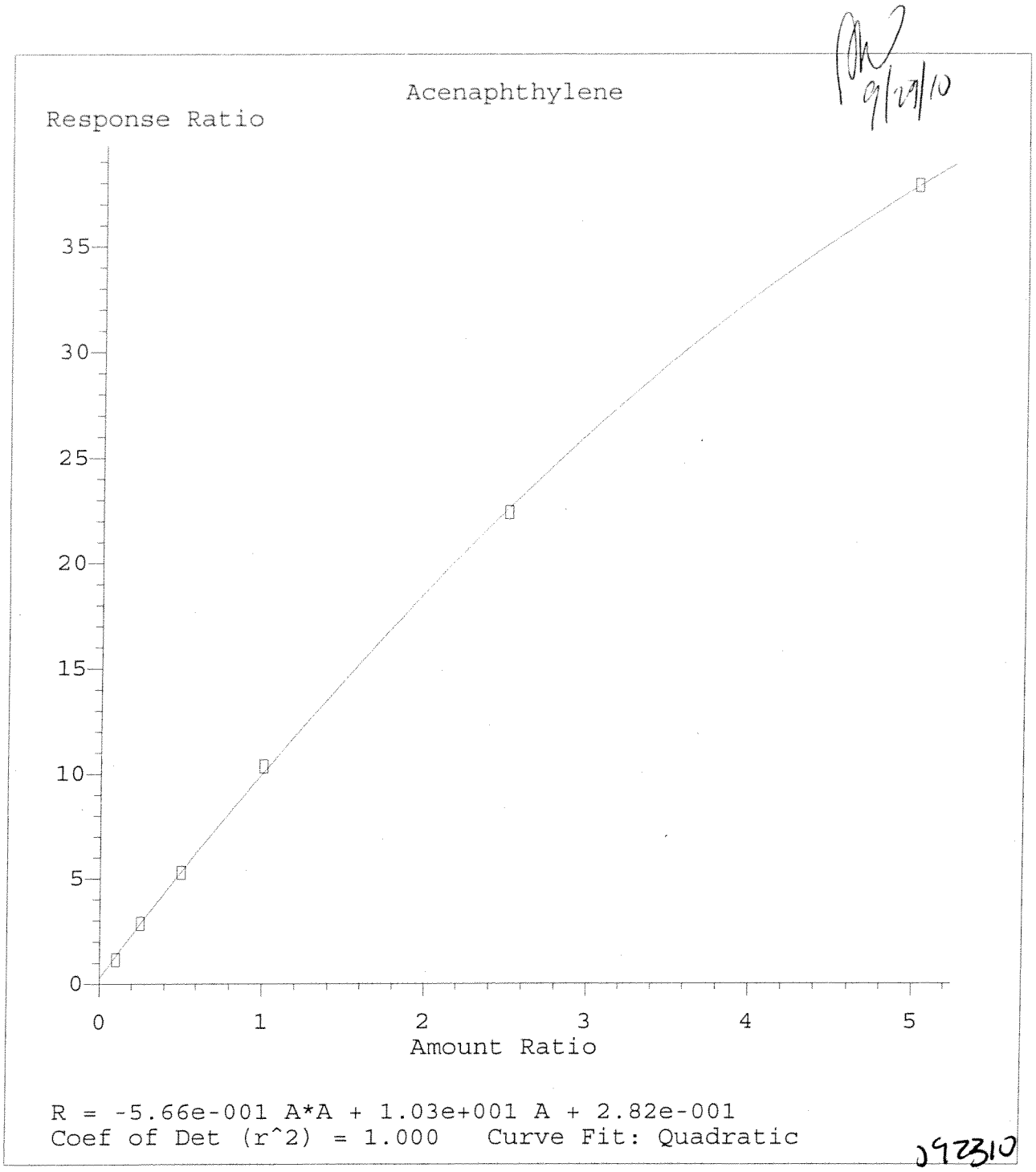
Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:26 2010

9/23/10

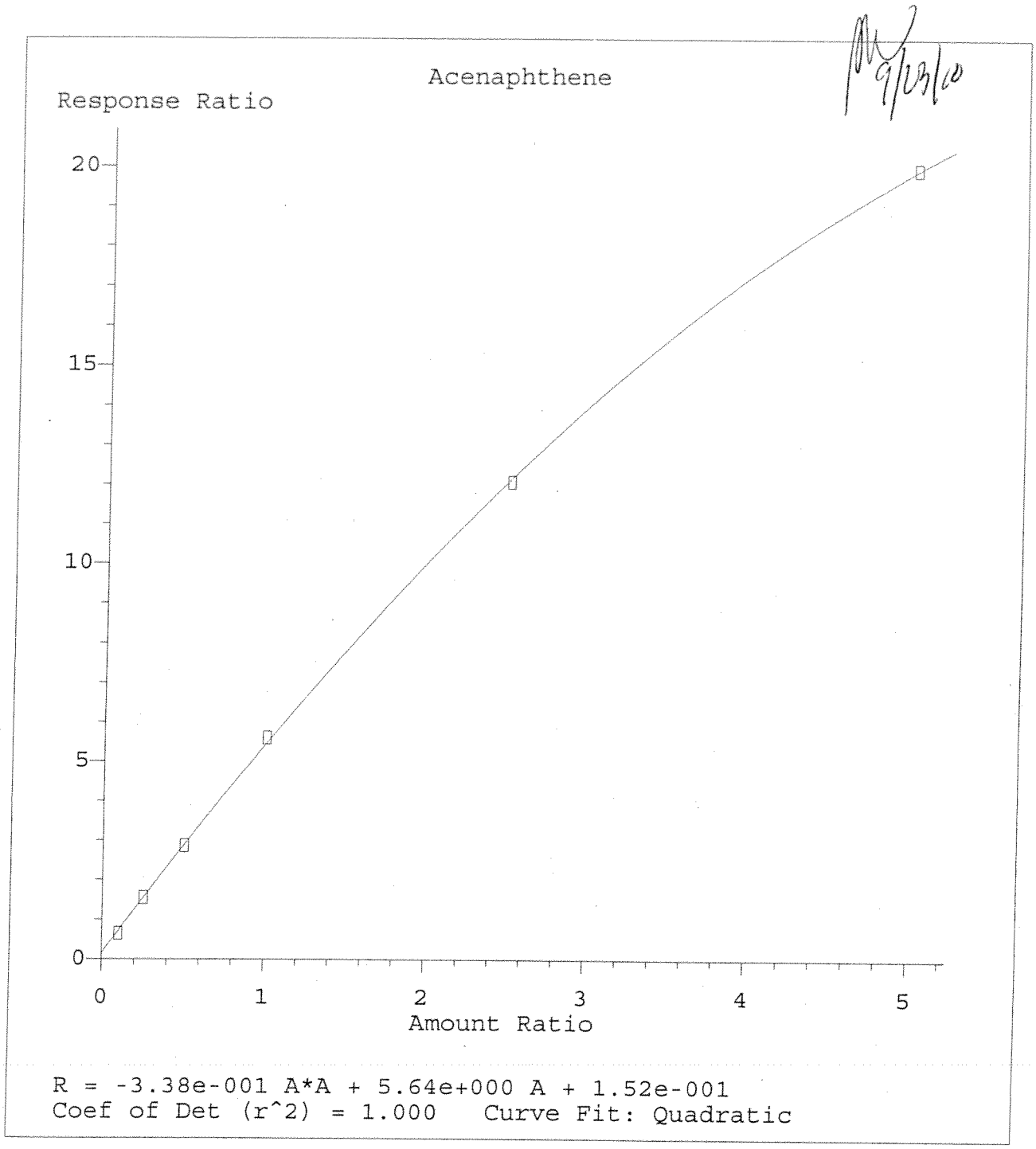


Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:45 2010

592310



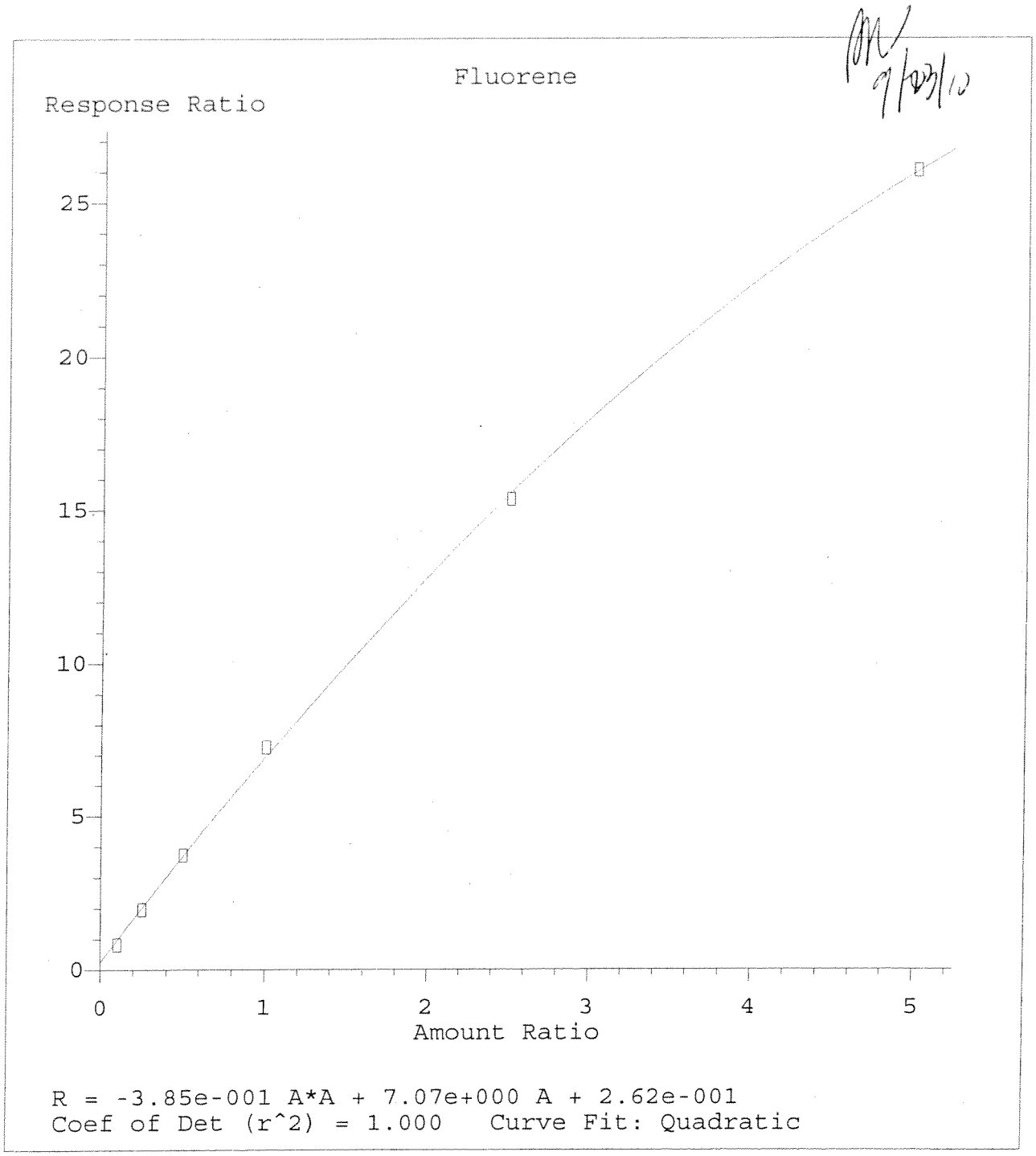
Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:51 2010



9/23/10

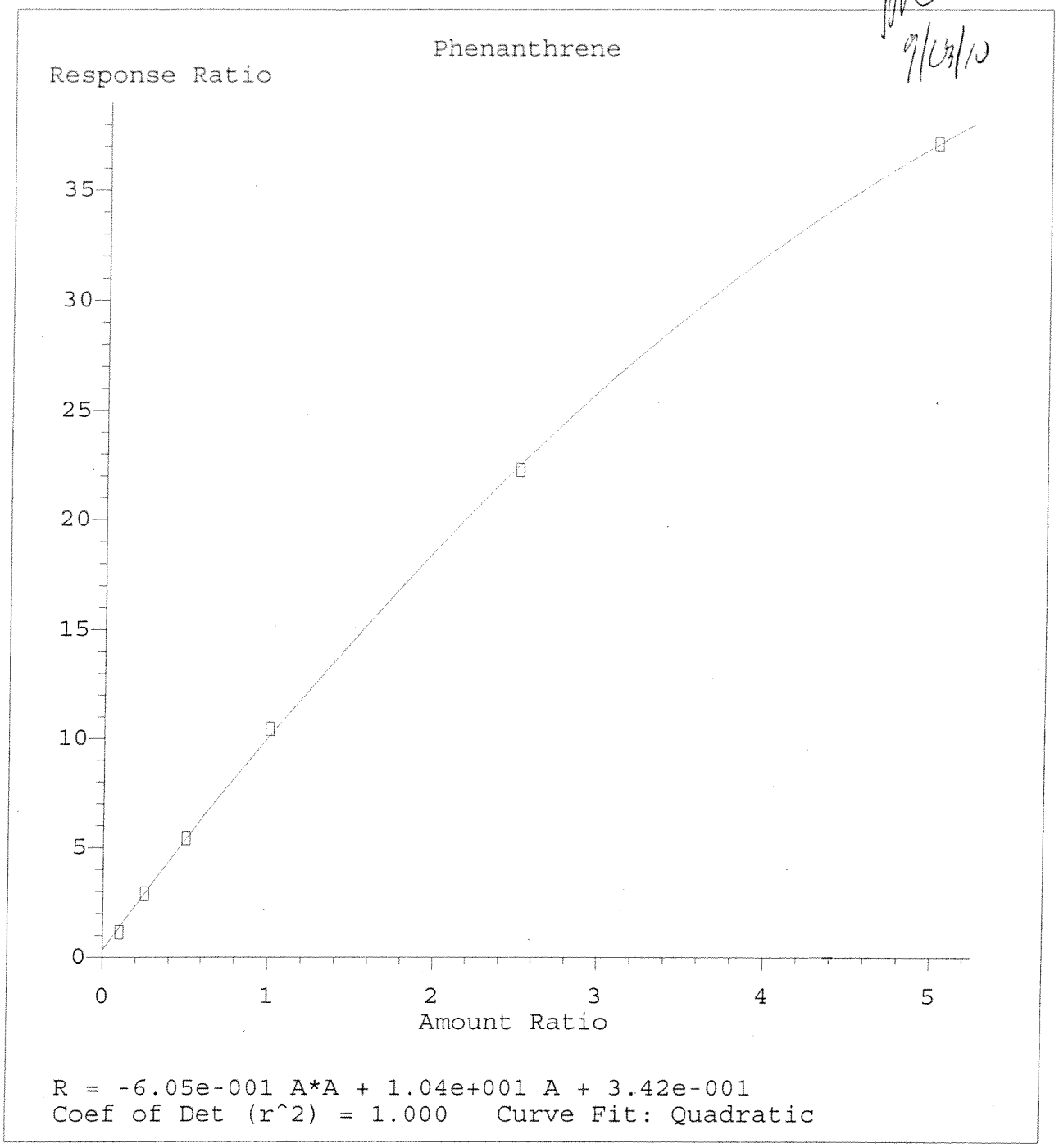
Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:57 2010

54231U



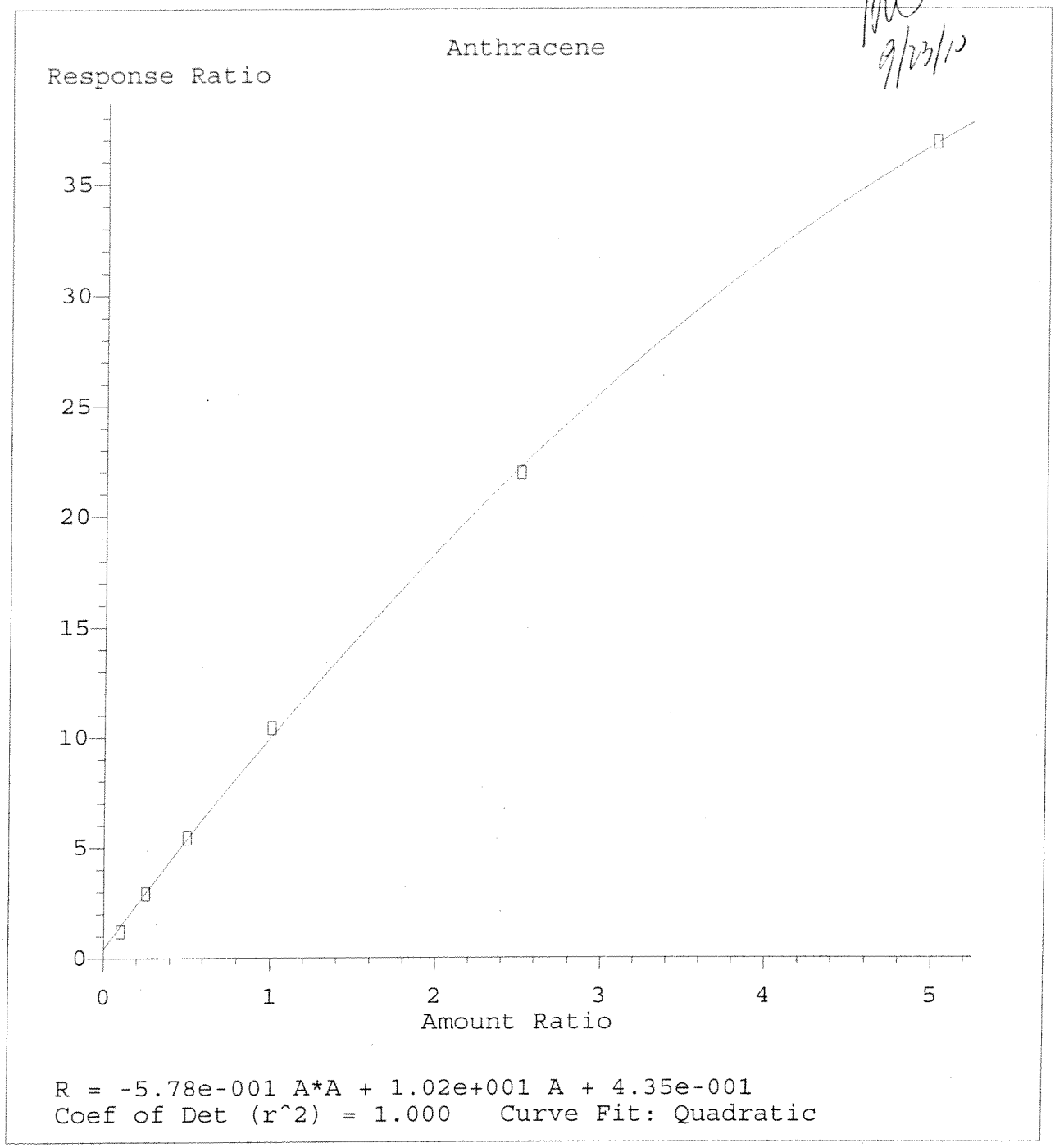
Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:02 2010

9/23/10



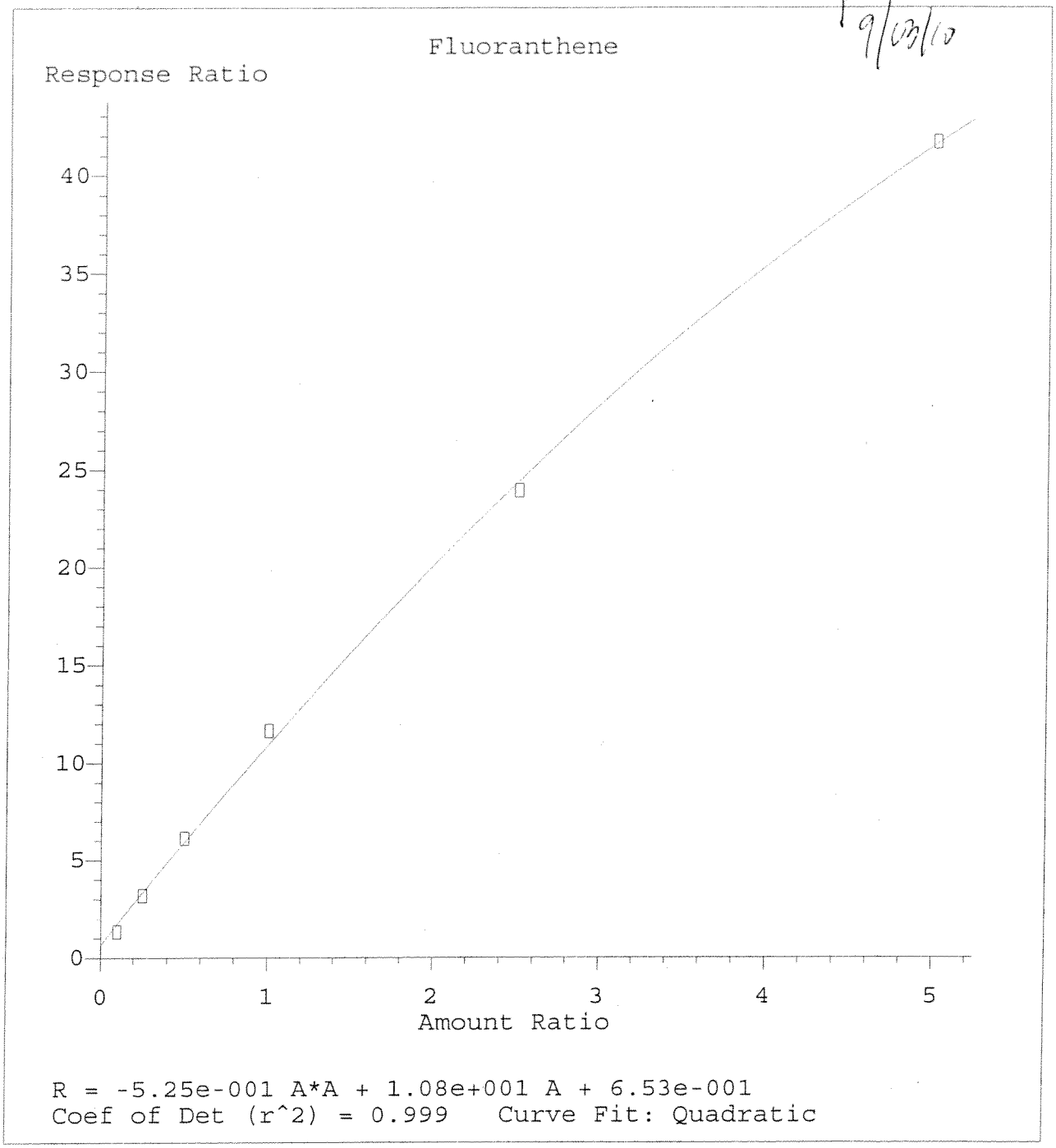
Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:07 2010

J92310



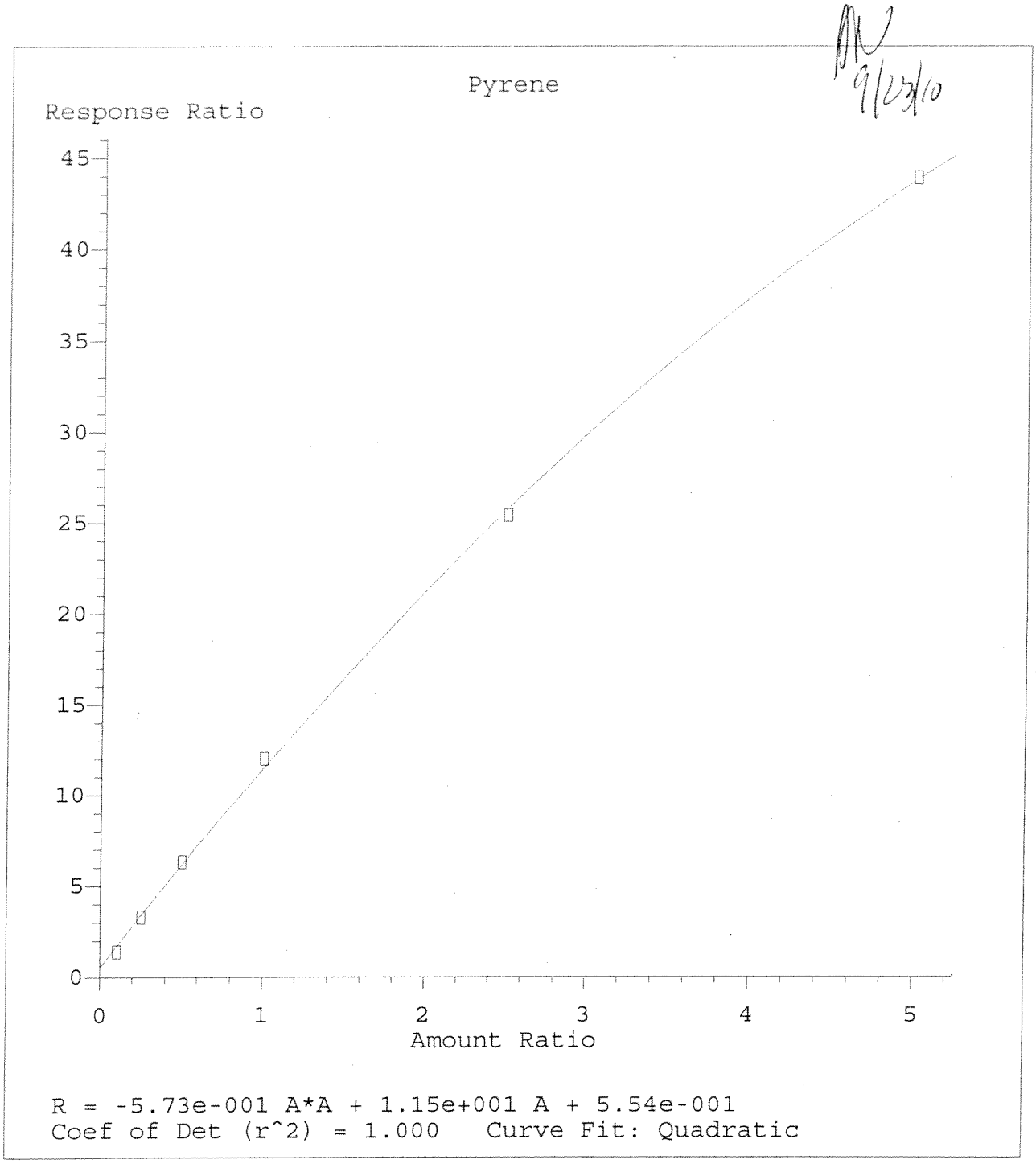
Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:13 2010

9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:19 2010

SG23W



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:27 2010

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35922SI.D
Acq On : 22 Sep 2010 1:27 am
Operator : AR/MG
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 22 03:32:42 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

AN 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.966	95	102821	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	52974	1.51 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	7.55%#	
10) 2-Bromonaphthalene	5.962	206	24041	1.47 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	7.35%#	
11) o-terphenyl	7.479	230	28016	0.89 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	4.45%#	
Target Compounds					Qvalue
2) Naphthalene	4.562	128	110809	2.74 ug/ml	99
3) 2-Methylnaphthalene	5.131	141	64357	2.72 ug/ml	98
4) Acenaphthylene	5.849	152	118234	2.63 ug/ml	99
5) Acenaphthene	5.992	154	66884	2.59 ug/ml	97
6) Fluorene	6.407	166	84960	2.54 ug/ml	99
7) Phenanthrene	7.174	178	118890	2.44 ug/ml	99
8) Anthracene	7.217	178	124693	2.50 ug/ml	99
12) Fluoranthene	8.130	202	138796	2.40 ug/ml	99
13) Pyrene	8.327	202	143809	2.40 ug/ml	98
14) Benzo[a]anthracene	9.601	228	109503	2.19 ug/ml	99
15) Chrysene	9.645	228	112106	2.17 ug/ml	100
16) Benzo[b] fluoranthene	11.098	252	91711	2.15 ug/ml	97
17) Benzo[k] fluoranthene	11.139	252	100056	2.17 ug/ml	97
18) Benzo[a] pyrene	11.583	252	89677	2.12 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.332	276	68330	2.16 ug/ml	98
20) Dibenz [a,h] anthracene	13.395	278	66931	2.15 ug/ml	99
21) Benzo(g,h,i) perylene	13.728	276	78199	2.07 ug/ml	99

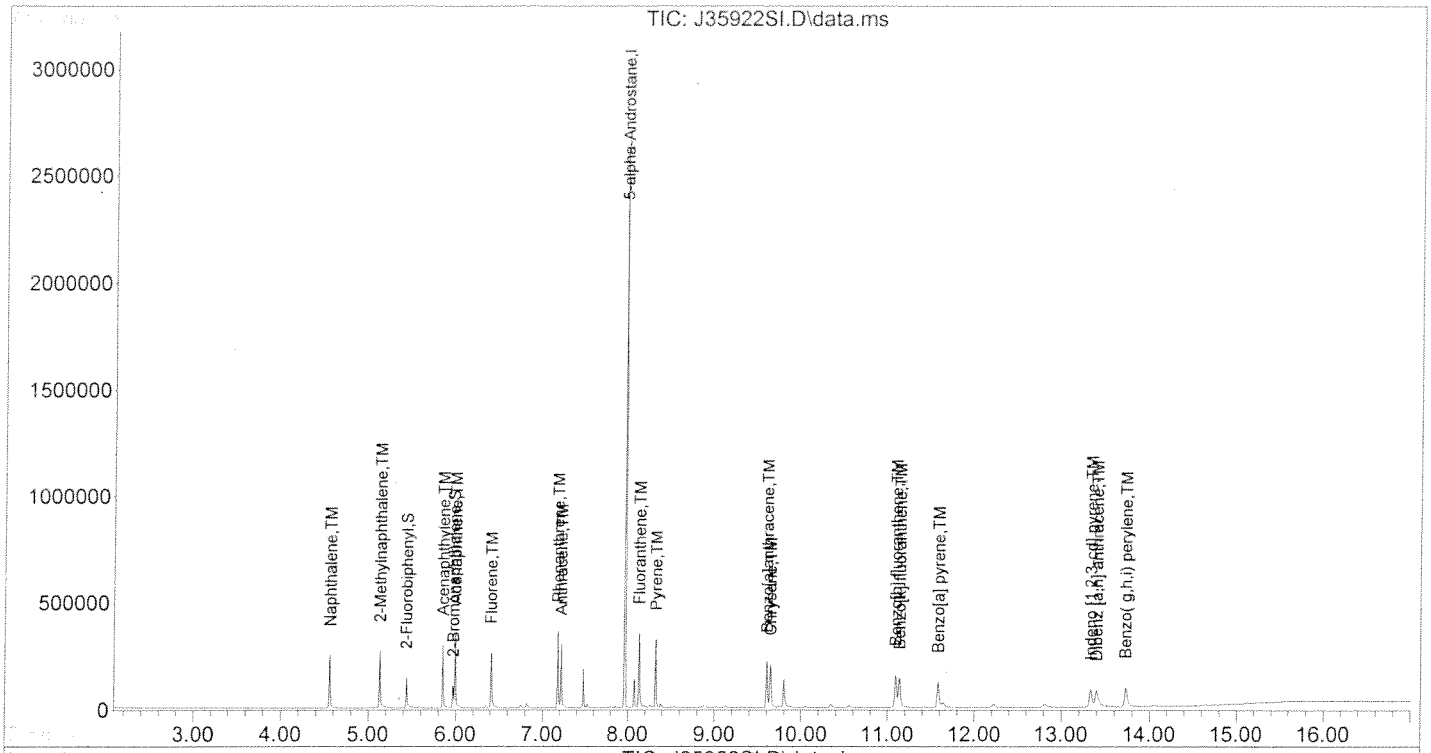
(#) = qualifier out of range (m) = manual integration (+) = signals summed

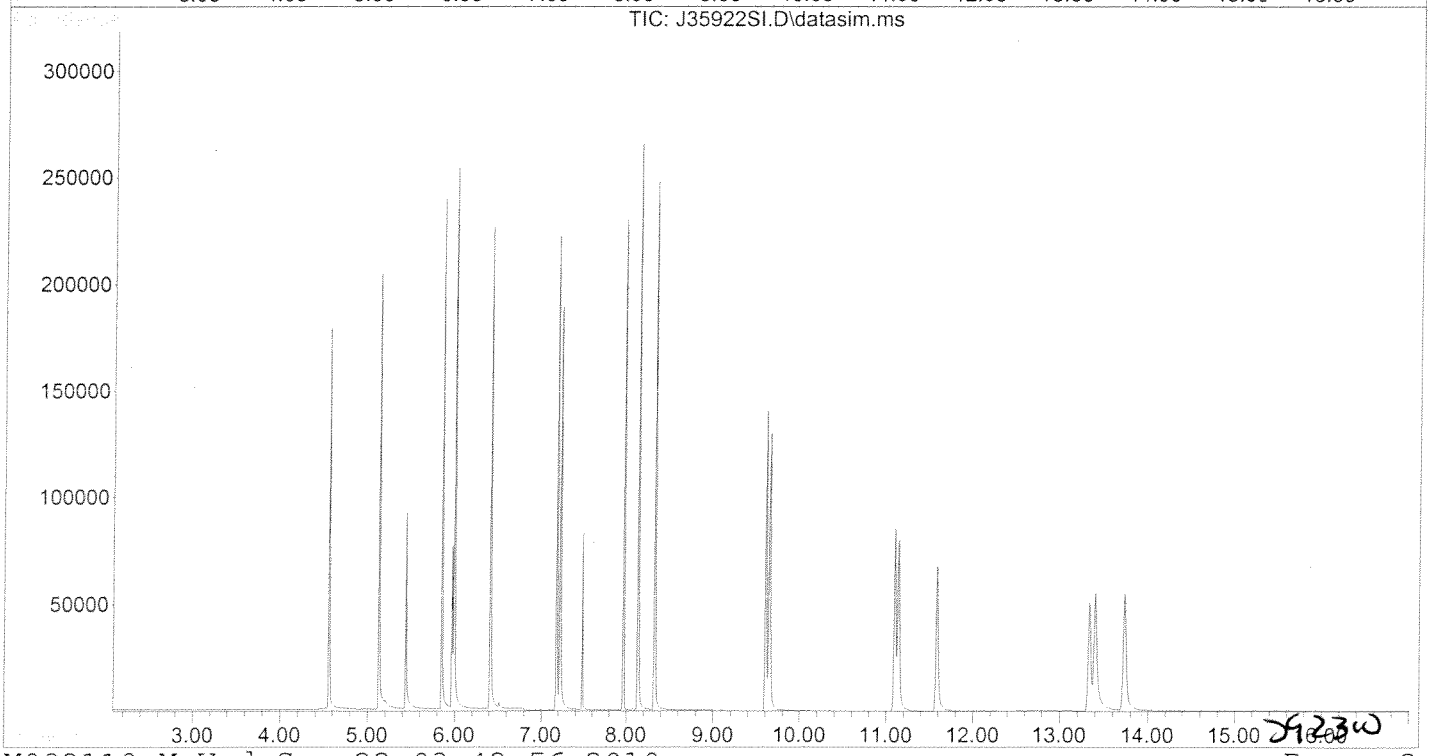
SG 23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35922SI.D
Acq On : 22 Sep 2010 1:27 am
Operator : AR/MG
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 22 03:32:42 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MK 9/23/10





JY 23 10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35923SI.D
Acq On : 22 Sep 2010 1:50 am
Operator : AR/MG
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 22 03:32:43 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	106433	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	132727	3.66 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 18.30%#		
10) 2-Bromonaphthalene	5.962	206	60679	3.57 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 17.85%#		
11) o-terphenyl	7.480	230	70660	2.18 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 10.90%#		
Target Compounds					Qvalue
2) Naphthalene	4.561	128	280012	6.70 ug/ml	99
3) 2-Methylnaphthalene	5.131	141	157641	6.44 ug/ml	99
4) Acenaphthylene	5.849	152	304091	6.52 ug/ml	100
5) Acenaphthene	5.991	154	165448	6.20 ug/ml	97
6) Fluorene	6.407	166	209039	6.04 ug/ml	98
7) Phenanthrene	7.175	178	309328	6.13 ug/ml	100
8) Anthracene	7.218	178	310241	6.02 ug/ml	99
12) Fluoranthene	8.131	202	337945	5.64 ug/ml	99
13) Pyrene	8.323	202	351219	5.66 ug/ml	99
14) Benzo[a]anthracene	9.602	228	277620	5.38 ug/ml	98
15) Chrysene	9.646	228	277700	5.20 ug/ml	98
16) Benzo[b] fluoranthene	11.099	252	231998	5.26 ug/ml	98
17) Benzo[k] fluoranthene	11.140	252	241808	5.07 ug/ml	97
18) Benzo[a] pyrene	11.584	252	226990	5.19 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.333	276	175218	5.34 ug/ml	98
20) Dibenz [a,h] anthracene	13.397	278	159356	4.94 ug/ml	98
21) Benzo(g,h,i) perylene	13.730	276	199448	5.09 ug/ml	99

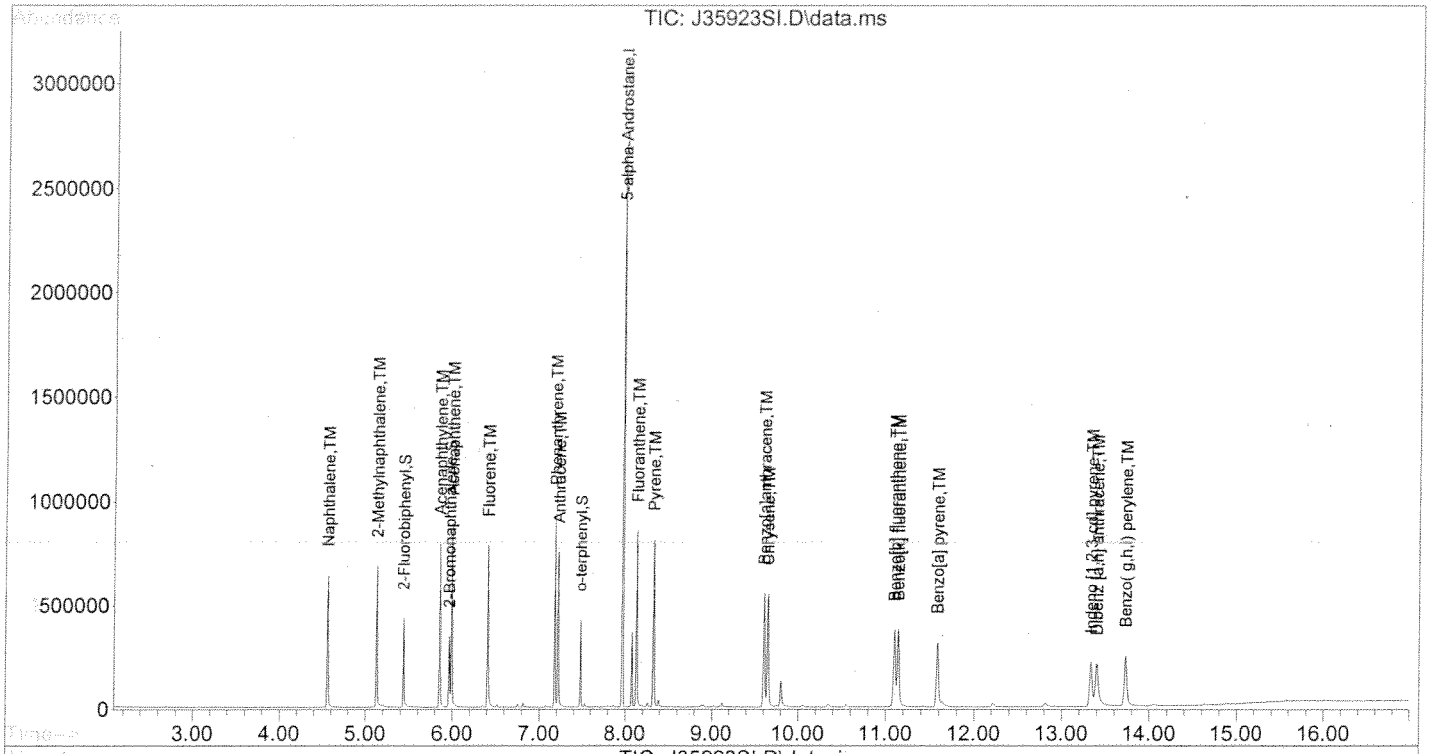
(#) = qualifier out of range (m) = manual integration (+) = signals summed

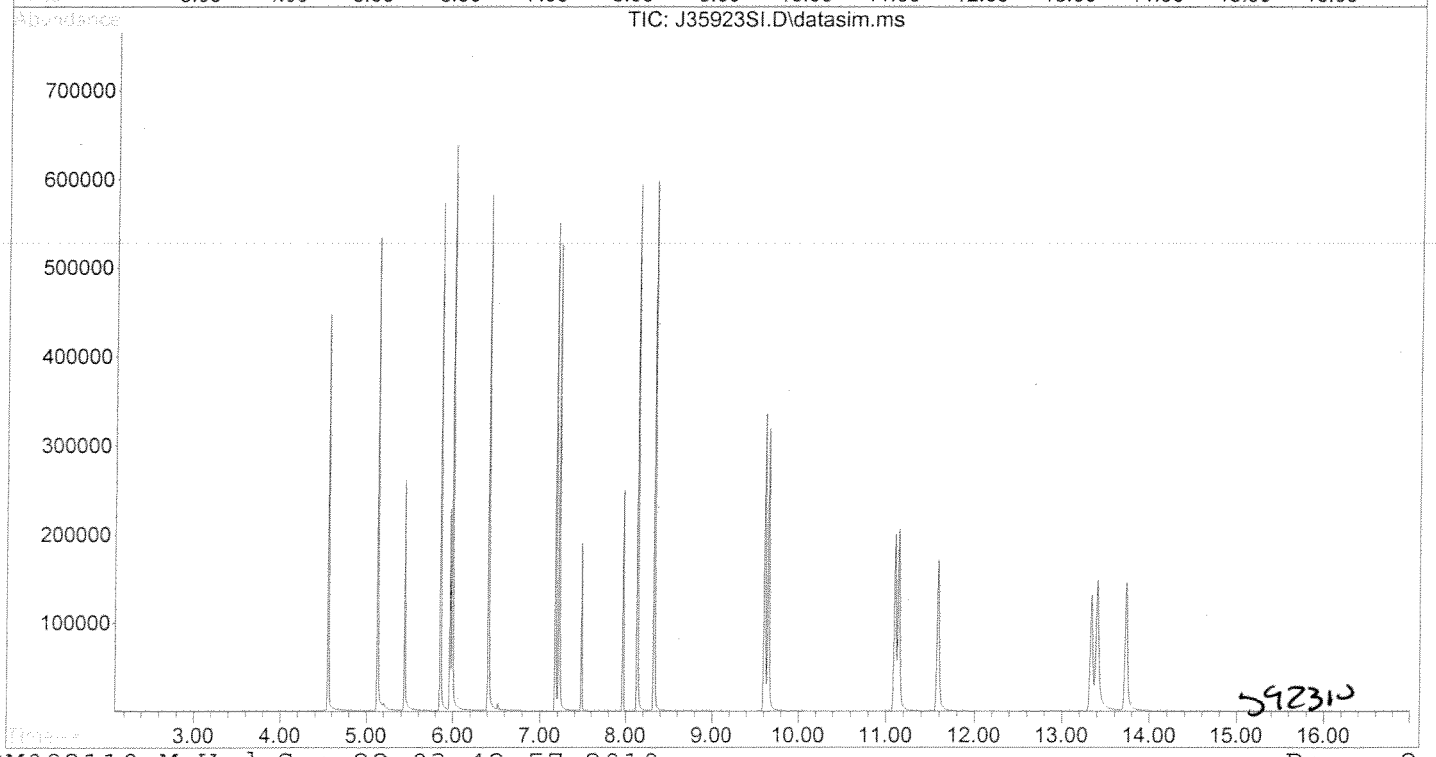
S92310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35923SI.D
Acq On : 22 Sep 2010 1:50 am
Operator : AR/MG
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 22 03:32:43 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35924SI.D
Acq On : 22 Sep 2010 2:13 am
Operator : AR/MG
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 22 03:32:44 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

AW 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	108670	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	255643	6.91 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 34.55%#		
10) 2-Bromonaphthalene	5.962	206	115921	6.69 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 33.45%#		
11) o-terphenyl	7.480	230	137056	4.14 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 20.70%#		
Target Compounds					Qvalue
2) Naphthalene	4.561	128	528517	12.38 ug/ml	99
3) 2-Methylnaphthalene	5.131	141	294618	11.79 ug/ml	97
4) Acenaphthylene	5.849	152	574518	12.07 ug/ml	99
5) Acenaphthene	5.991	154	310916	11.40 ug/ml	98
6) Fluorene	6.406	166	405214	11.46 ug/ml	99
7) Phenanthrene	7.175	178	589829	11.45 ug/ml	100
8) Anthracene	7.217	178	590595	11.22 ug/ml	99
12) Fluoranthene	8.131	202	666047	10.89 ug/ml	100
13) Pyrene	8.328	202	688042	10.85 ug/ml	99
14) Benzo[a]anthracene	9.606	228	544956	10.33 ug/ml	98
15) Chrysene	9.650	228	536950	9.84 ug/ml	99
16) Benzo[b] fluoranthene	11.102	252	461568	10.25 ug/ml	98
17) Benzo[k] fluoranthene	11.146	252	484662	9.95 ug/ml	97
18) Benzo[a] pyrene	11.588	252	450473	10.09 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.341	276	343066	10.25 ug/ml	99
20) Dibenz [a,h] anthracene	13.404	278	340247	10.32 ug/ml	100
21) Benzo(g,h,i) perylene	13.737	276	386386	9.65 ug/ml	100

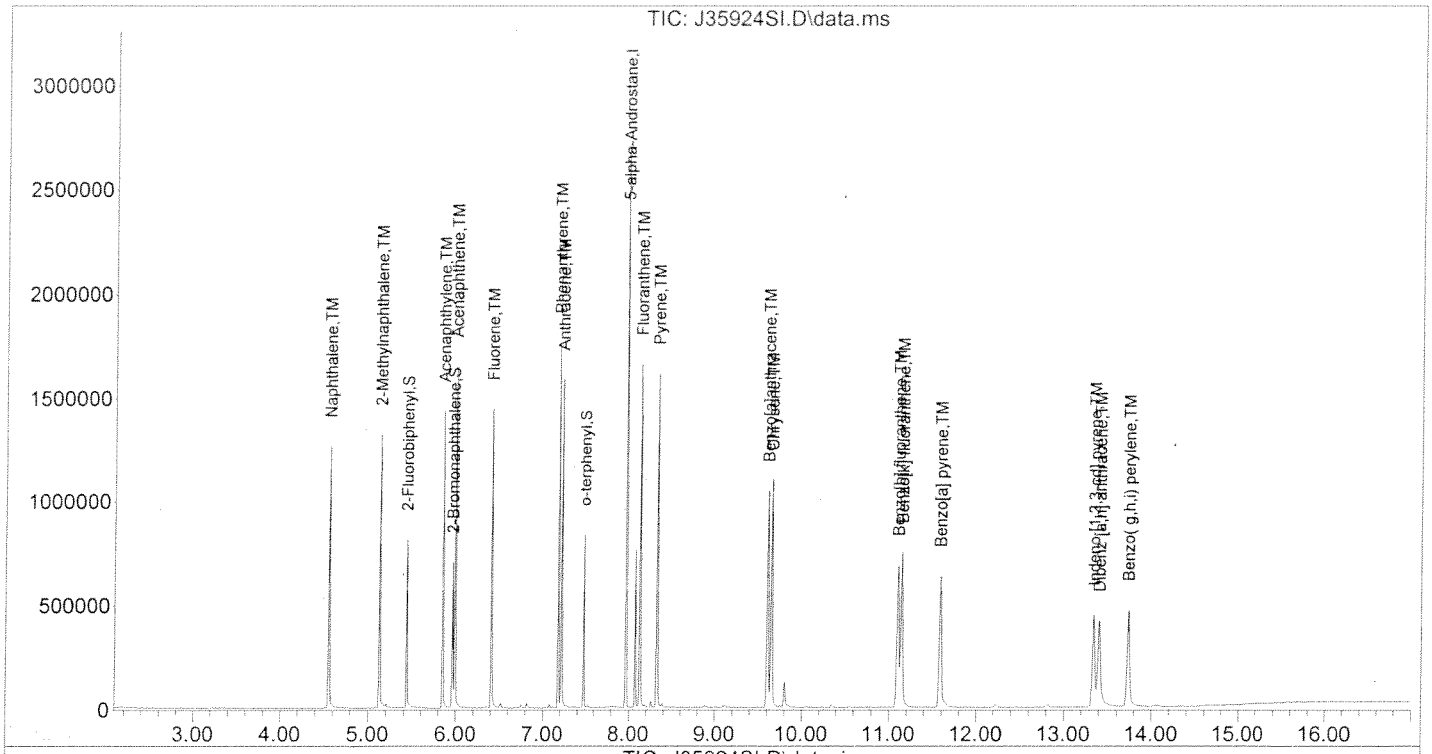
(#) = qualifier out of range (m) = manual integration (+) = signals summed

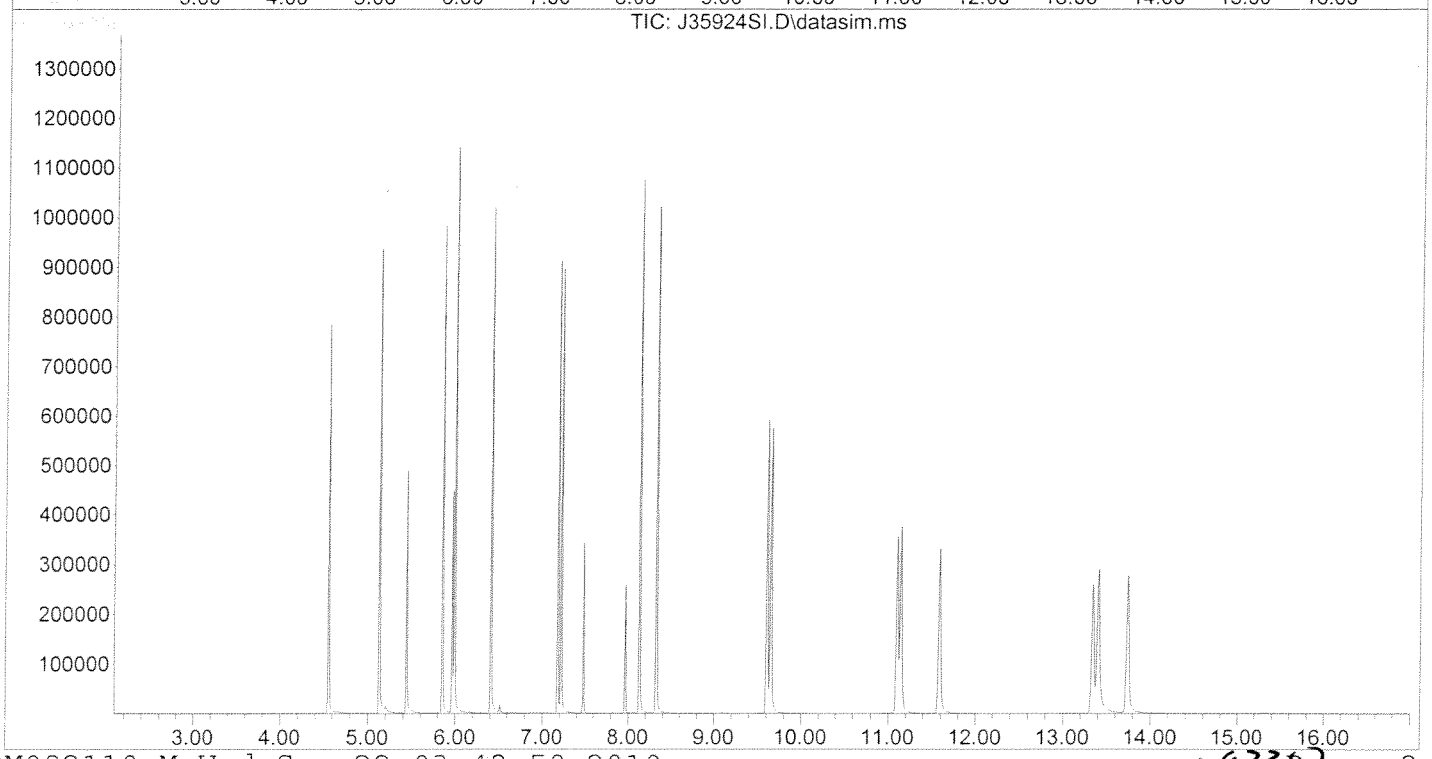
J92300

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35924SI.D
Acq On : 22 Sep 2010 2:13 am
Operator : AR/MG
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 22 03:32:44 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10





J923R2

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35925SI.D
Acq On : 22 Sep 2010 2:36 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 22 03:32:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	102381	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	475001	13.62 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 68.10%		
10) 2-Bromonaphthalene	5.967	206	213760	13.09 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 65.45%		
11) o-terphenyl	7.480	230	247910	7.94 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 39.70%#		
Target Compounds					Qvalue
2) Naphthalene	4.561	128	982927	24.45 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	548934	23.32 ug/ml	99
4) Acenaphthylene	5.855	152	1060858	23.66 ug/ml	100
5) Acenaphthene	5.997	154	573620	22.33 ug/ml	99
6) Fluorene	6.412	166	743612	22.32 ug/ml	99
7) Phenanthrene	7.175	178	1069511	22.05 ug/ml	100
8) Anthracene	7.217	178	1068096	21.53 ug/ml	100
12) Fluoranthene	8.136	202	1191844	20.69 ug/ml	100
13) Pyrene	8.328	202	1231353	20.61 ug/ml	100
14) Benzo[a]anthracene	9.609	228	990938	19.95 ug/ml	98
15) Chrysene	9.656	228	956654	18.61 ug/ml	100
16) Benzo[b] fluoranthene	11.109	252	882842	20.82 ug/ml	100
17) Benzo[k] fluoranthene	11.157	252	843611	18.38 ug/ml	99
18) Benzo[a] pyrene	11.598	252	835730	19.87 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.352	276	660989	20.95 ug/ml	99
20) Dibenz [a,h] anthracene	13.416	278	645528	20.79 ug/ml	99
21) Benzo(g,h,i) perylene	13.757	276	713080	18.91 ug/ml	99

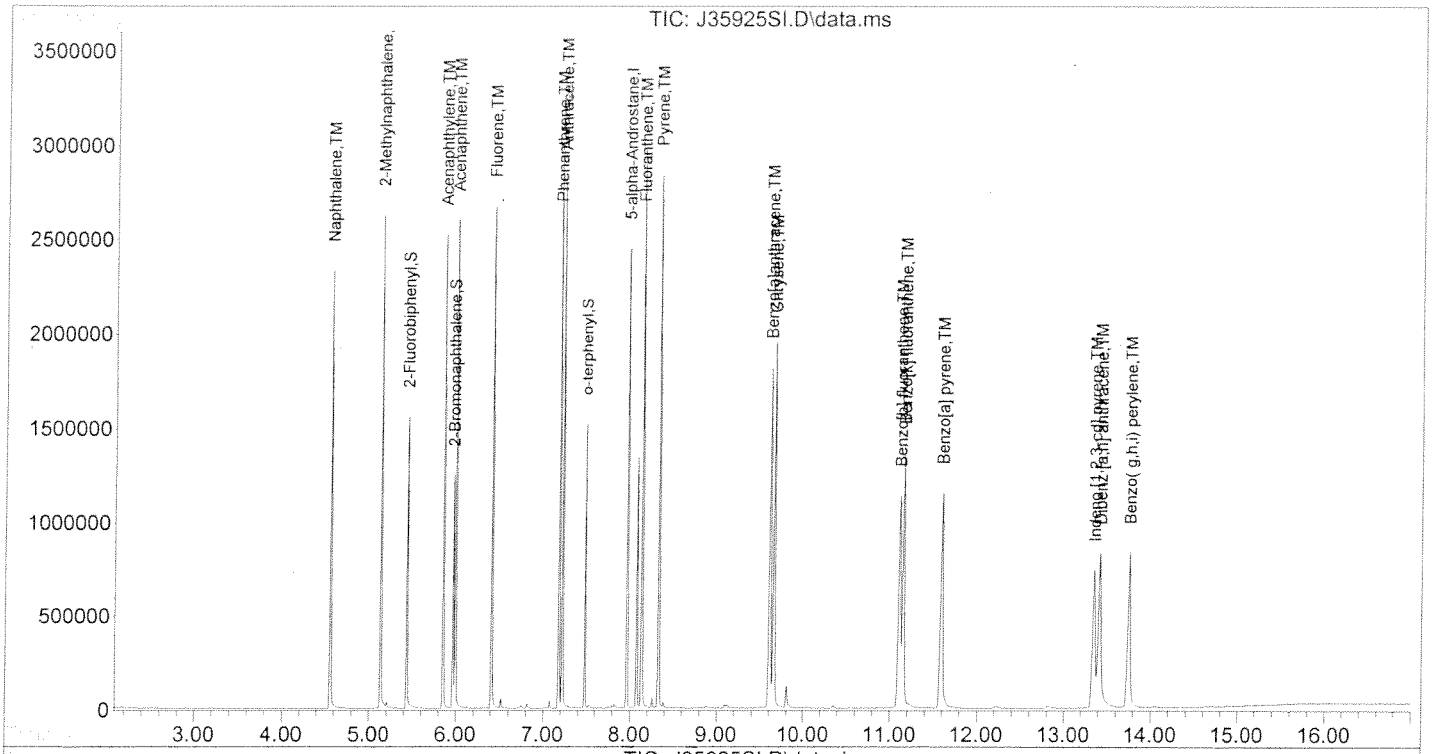
(#) = qualifier out of range (m) = manual integration (+) = signals summed

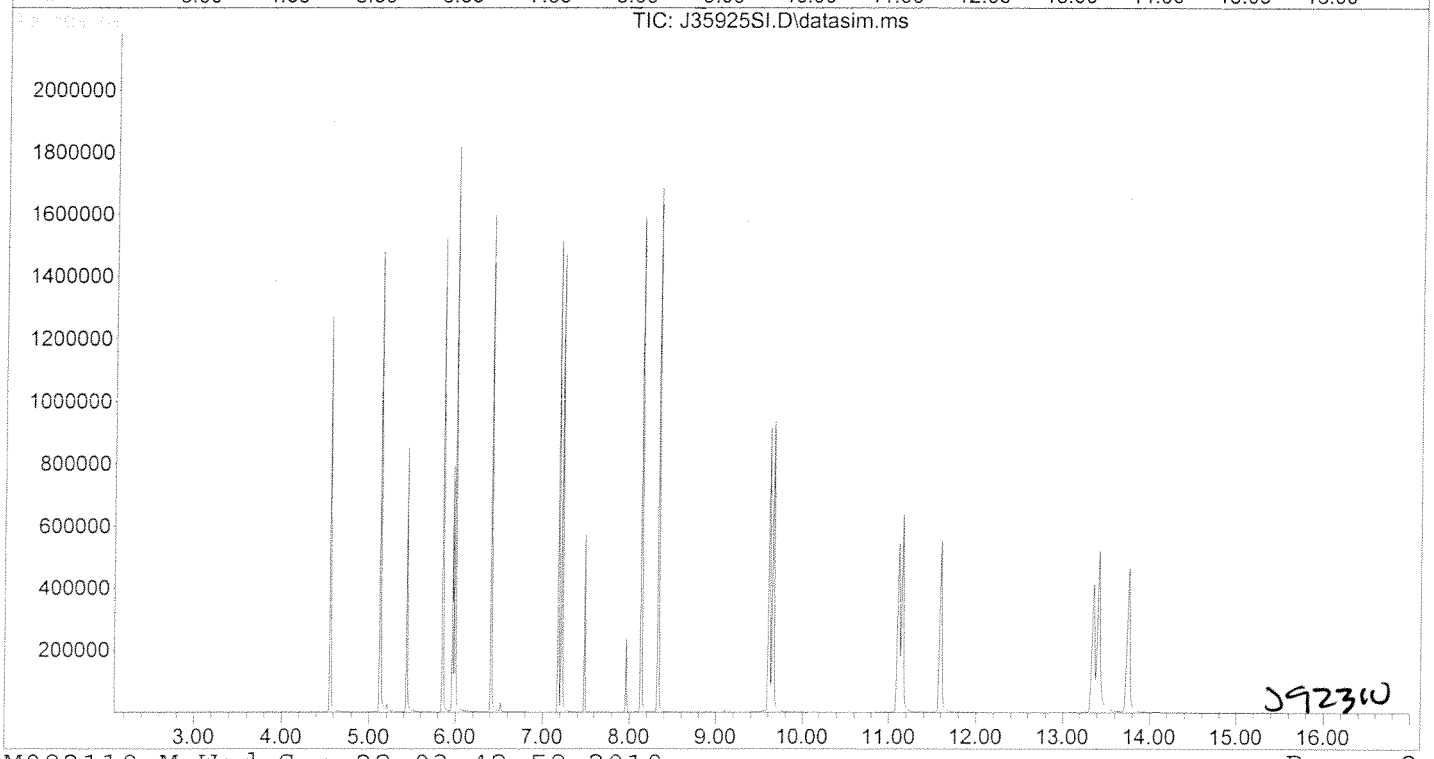
J92310

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35925SI.D
Acq On : 22 Sep 2010 2:36 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 22 03:32:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MW 9/23/10





J9231W

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 22 03:39:30 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MR 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.966	95	108242	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.440	172	1128184	30.60 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 153.00%#		
10) 2-Bromonaphthalene	5.968	206	522729	30.27 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 151.35%#		
11) o-terphenyl	7.479	230	605168	18.34 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 91.70%		
Target Compounds					Qvalue
2) Naphthalene	4.562	128	2260706	53.18 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	1237950	49.74 ug/ml	99
4) Acenaphthylene	5.855	152	2426037	51.17 ug/ml	100
5) Acenaphthene	5.998	154	1306687	48.12 ug/ml	100
6) Fluorene	6.413	166	1661651	47.17 ug/ml	100
7) Phenanthrene	7.184	178	2411401	47.01 ug/ml	100
8) Anthracene	7.226	178	2378488	45.36 ug/ml	100
12) Fluoranthene	8.144	202	2590784	42.53 ug/ml	99
13) Pyrene	8.336	202	2751704	43.57 ug/ml	100
14) Benzo[a]anthracene	9.622	228	2341377	44.58 ug/ml	98
15) Chrysene	9.672	228	2241564	41.24 ug/ml	100
16) Benzo[b] fluoranthene	11.129	252	2161365	48.20 ug/ml	100
17) Benzo[k] fluoranthene	✓11.183	252	1986983	40.94 ug/ml	99
18) Benzo[a] pyrene	11.621	252	1992264	44.80 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.379	276	1721491m	51.61 ug/ml	
20) Dibenz [a,h] anthracene	13.451	278	1701068	51.82 ug/ml	97
21) Benzo(g,h,i) perylene	13.792	276	1827113	45.83 ug/ml	99

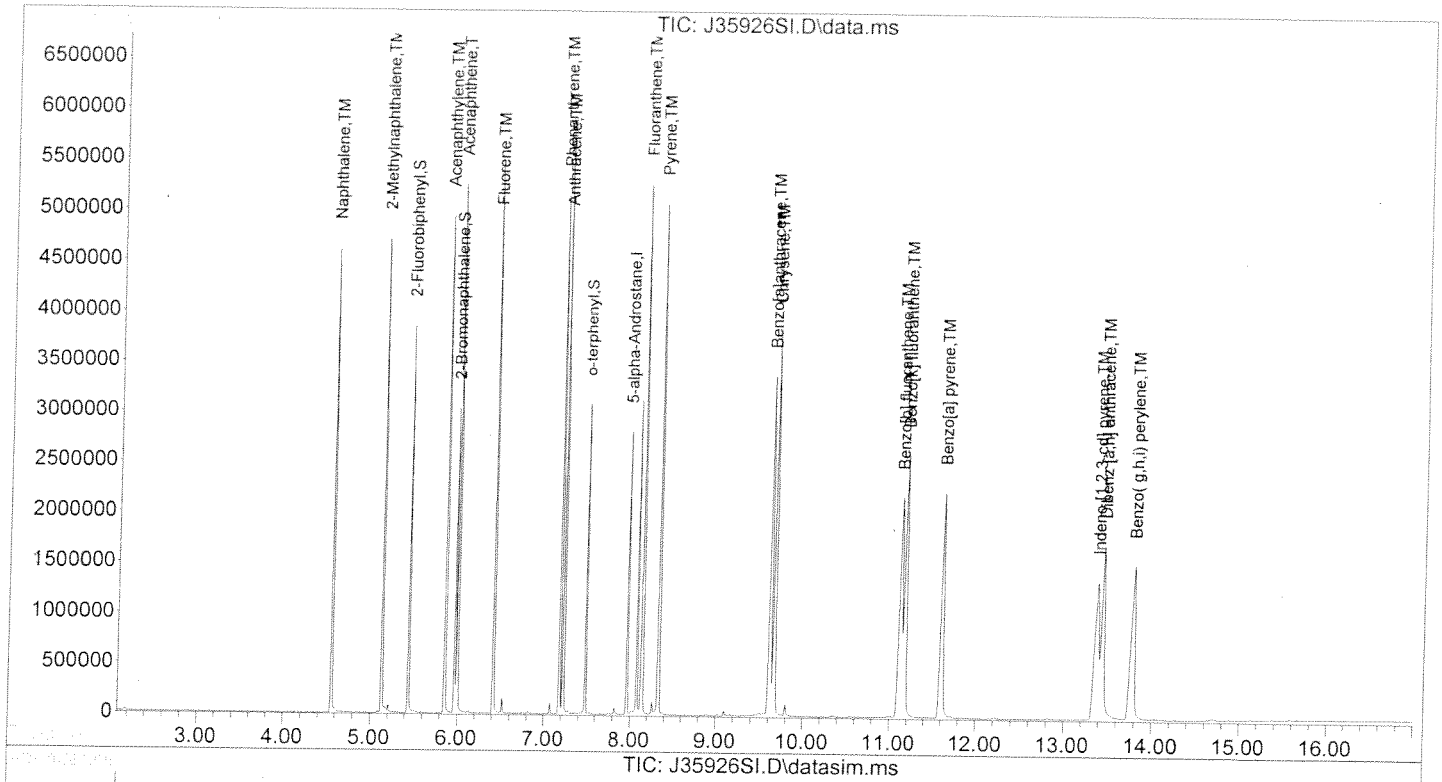
(#) = qualifier out of range (m) = manual integration (+) = signals summed

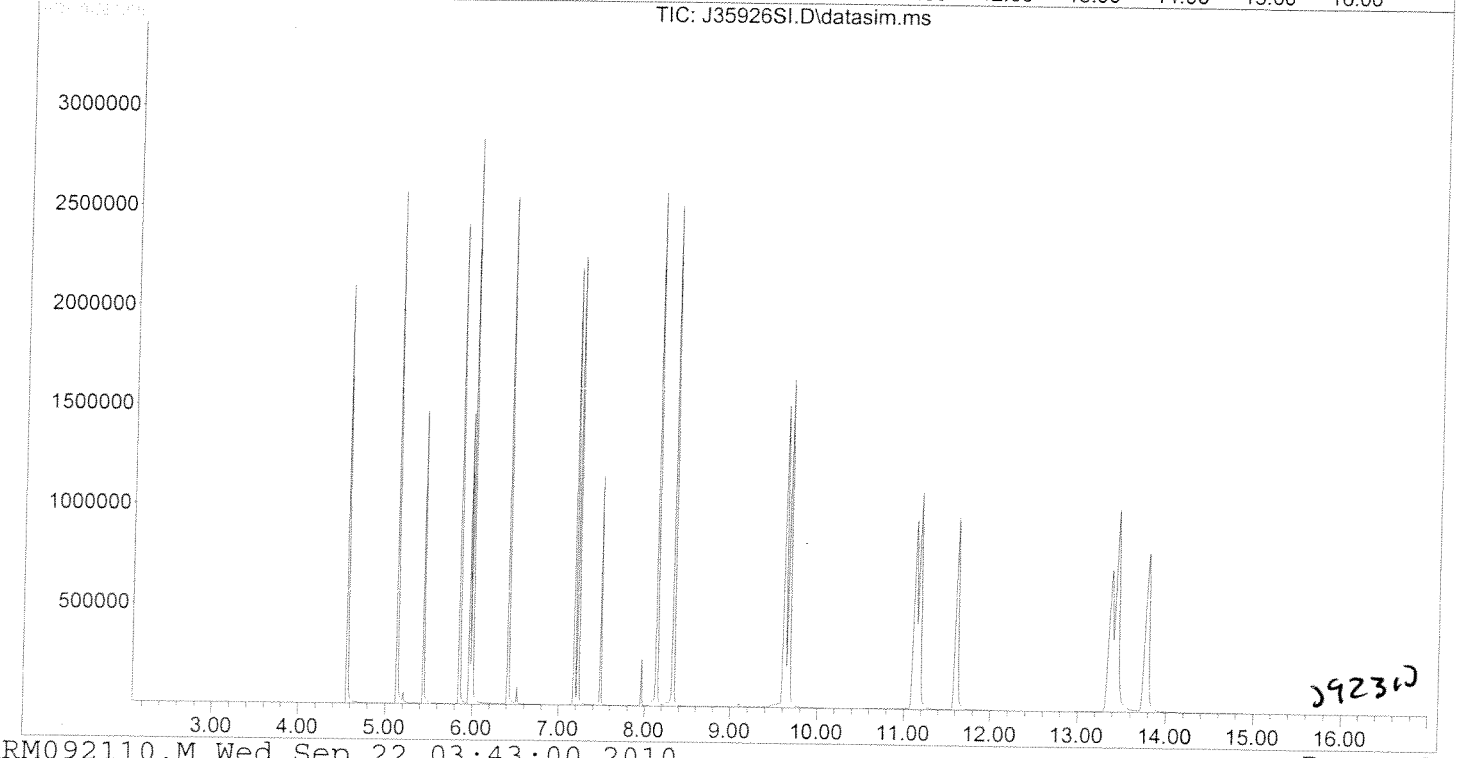
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 22 03:39:30 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10





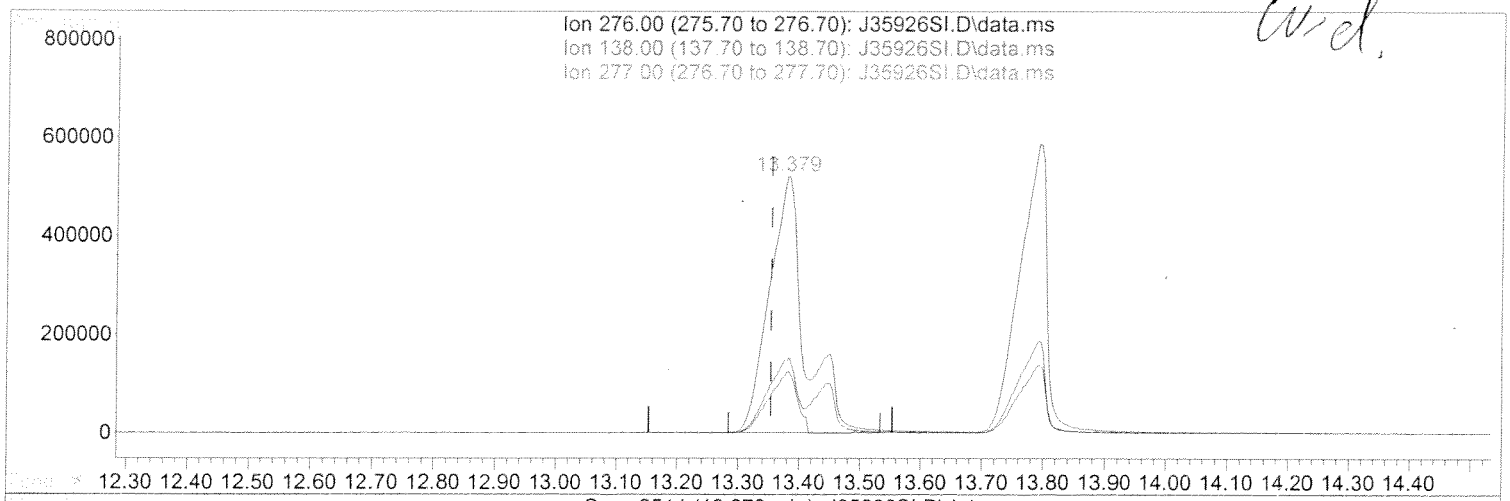
J9230

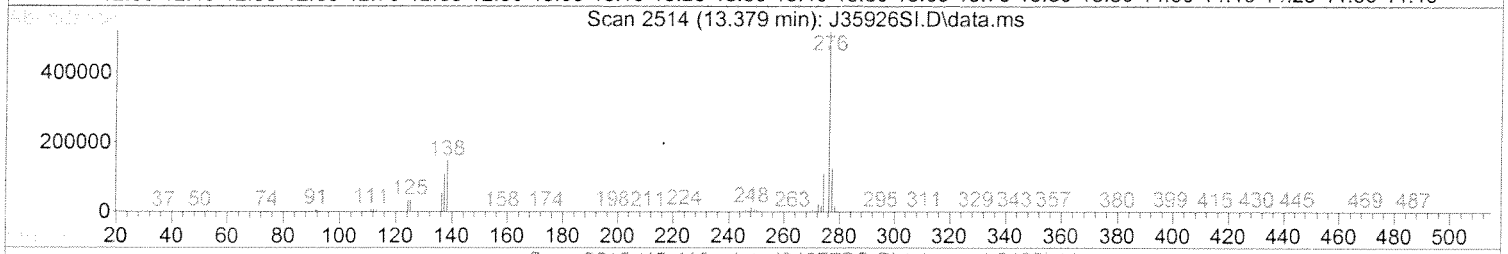
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

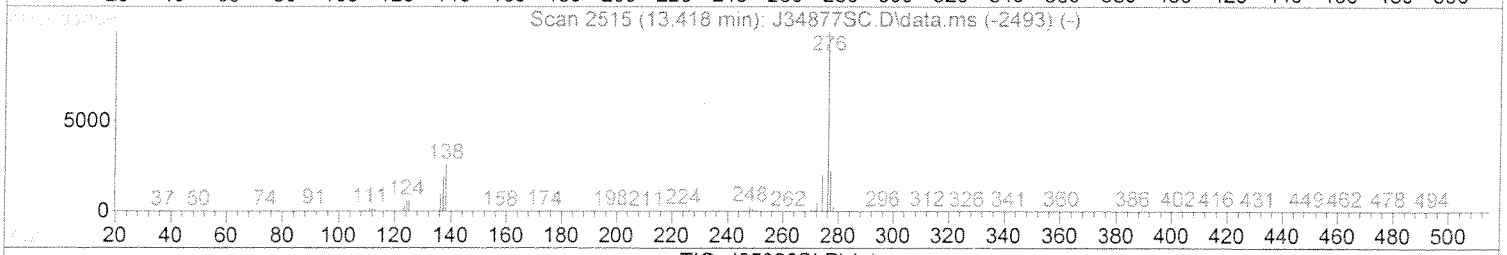
Quant Time: Sep 22 03:32:46 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

AR 9/23/10

w.d.







TIC: J35926SI.D\data.ms

(19) Indeno [1,2,3-cd] pyrene (TM)

13.379min (+0.025) 63.91ug/ml

response 2131503

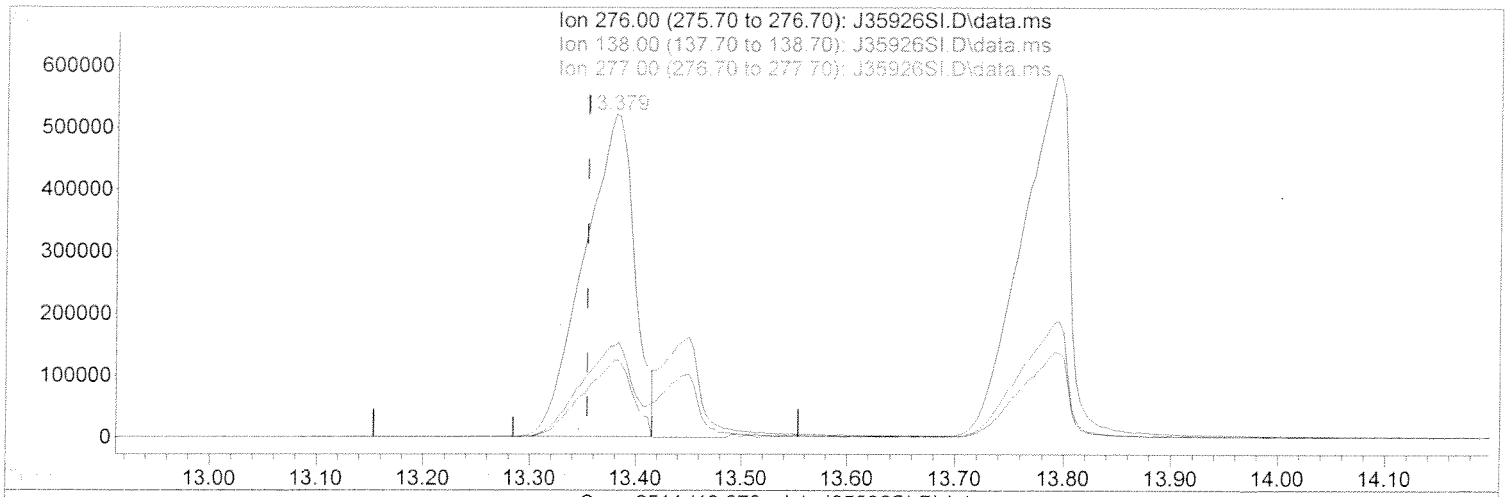
Ion	Exp%	Act%
276.00	100	100
138.00	30.20	24.27
277.00	23.70	19.22
0.00	0.00	0.00

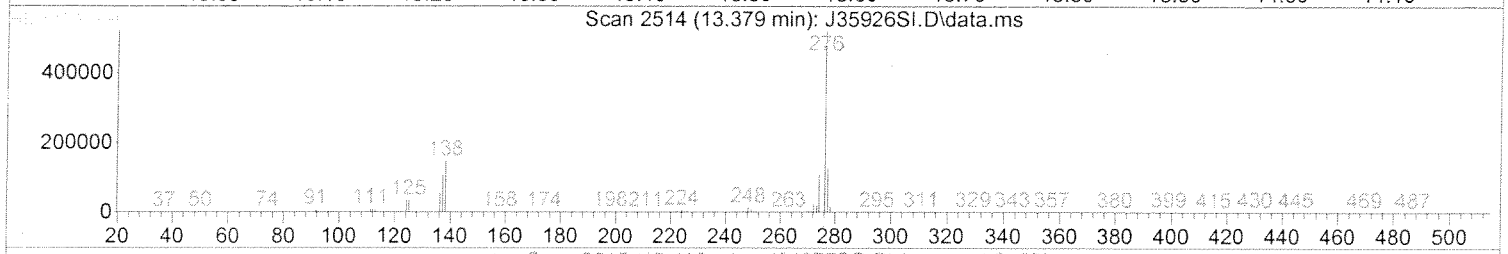
592310

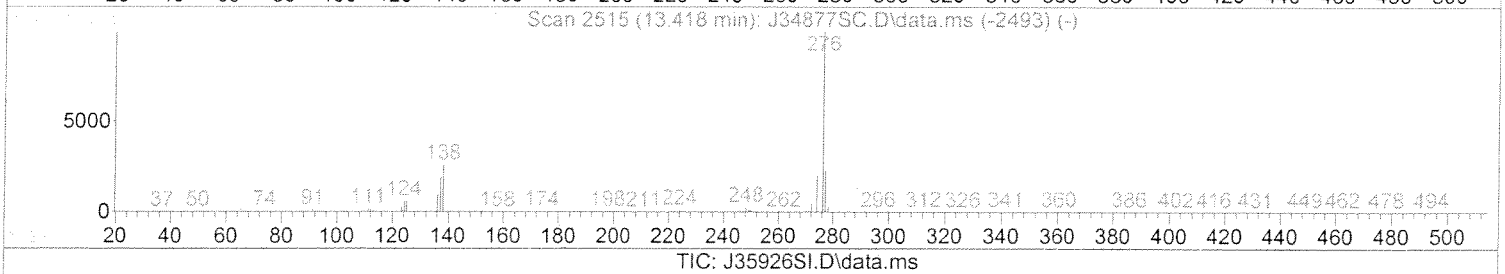
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 22 03:32:46 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MW 9/03/10







TIC: J35926SI.D\data.ms

(19) Indeno [1,2,3-cd] pyrene (TM)

13.379min (+0.025) 51.61ug/ml m

response 1721491

Ion	Exp%	Act%
276.00	100	100
138.00	30.20	30.05
277.00	23.70	23.80
0.00	0.00	0.00

J923W

ARM092110.M Wed Sep 22 03:39:36 2010

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:40:28 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	96457	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	5.439	172	1726720	52.56	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 262.80%#			
10) 2-Bromonaphthalene	5.973	206	812186	52.78	ug/ml	0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 263.90%#			
11) o-terphenyl	7.484	230	954221	32.44	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 162.20%#			
Target Compounds						Qvalue
2) Naphthalene	4.567	128	3360056	88.70	ug/ml	99
3) 2-Methylnaphthalene	5.137	141	1847009	83.28	ug/ml	99
4) Acenaphthylene	5.861	152	3651329	86.43	ug/ml	100
5) Acenaphthene	6.003	154	1923299	79.47	ug/ml	100
6) Fluorene	6.418	166	2511709	80.02	ug/ml	99
7) Phenanthrene	7.189	178	3580923	78.35	ug/ml	100
8) Anthracene	7.231	178	3555041	76.08	ug/ml	100
12) Fluoranthene	8.150	202	4018959	74.04	ug/ml	99
13) Pyrene	8.346	202	4233639	75.22	ug/ml	99
14) Benzo[a]anthracene	9.633	228	3824879	81.72	ug/ml	98
15) Chrysene	9.687	228	3500585m	72.28	ug/ml	
16) Benzo[b] fluoranthene	11.143	252	3690964	92.37	ug/ml	99
17) Benzo[k] fluoranthene	11.205	252	3170644m	73.31	ug/ml	
18) Benzo[a] pyrene	11.639	252	3362388	84.84	ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.428	276	2998642m	100.89	ug/ml	
20) Dibenz [a,h] anthracene	13.475	278	2684952	91.79	ug/ml	95
21) Benzo(g,h,i) perylene	13.824	276	2795922	78.70	ug/ml	99

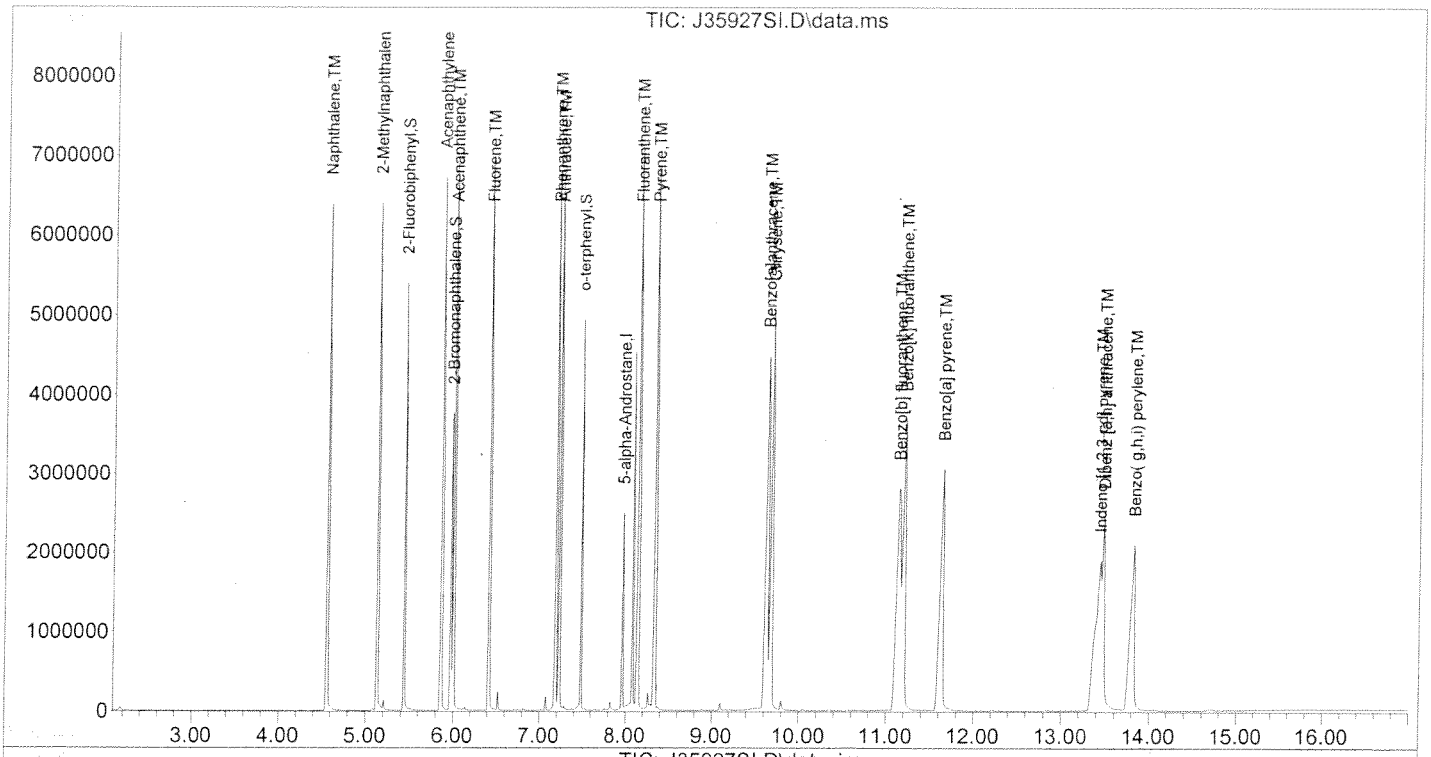
(#) = qualifier out of range (m) = manual integration (+) = signals summed

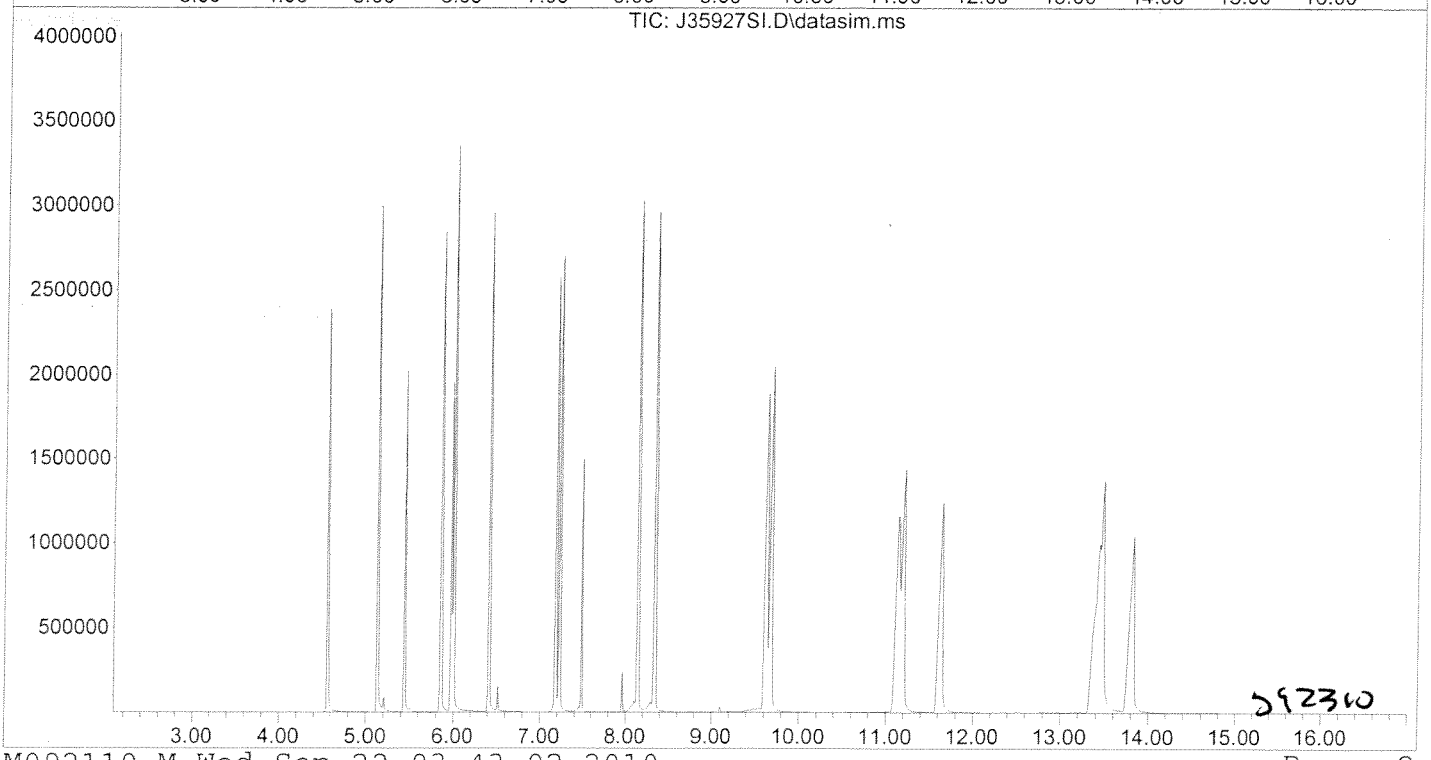
592360

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:40:28 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

AK 9/23/10



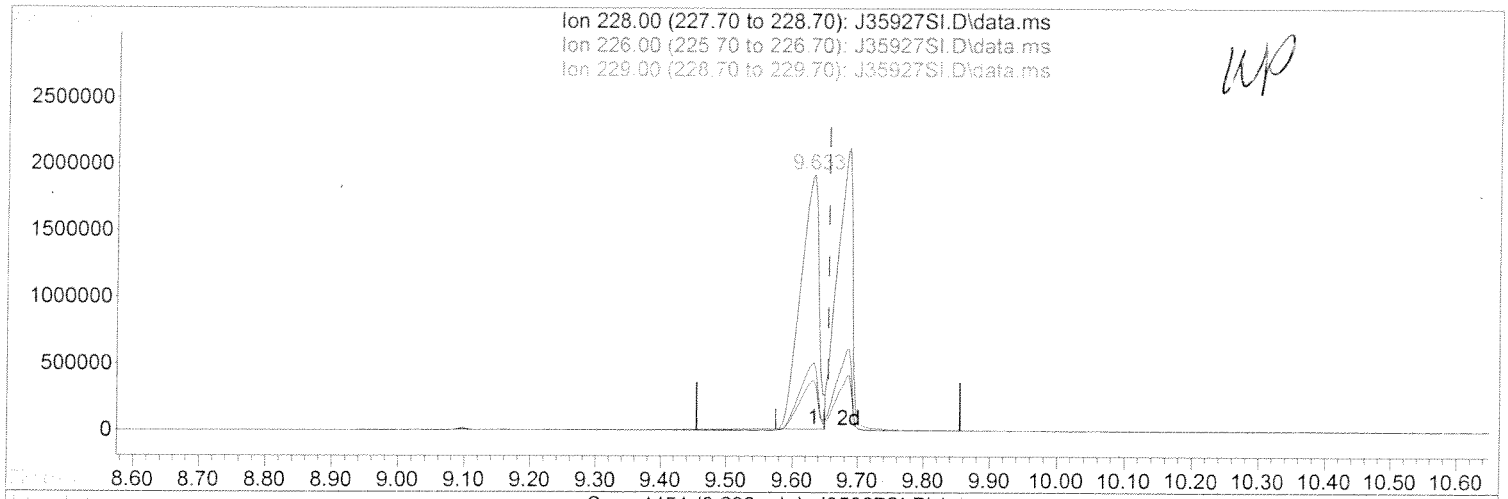


092310

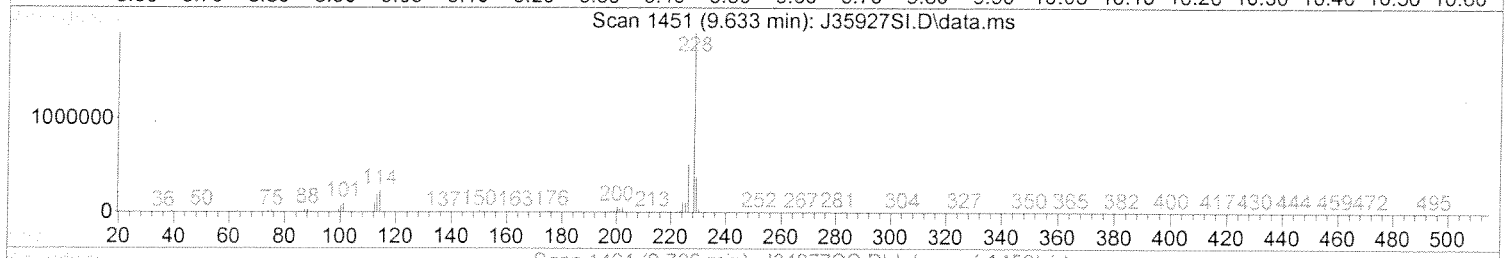
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

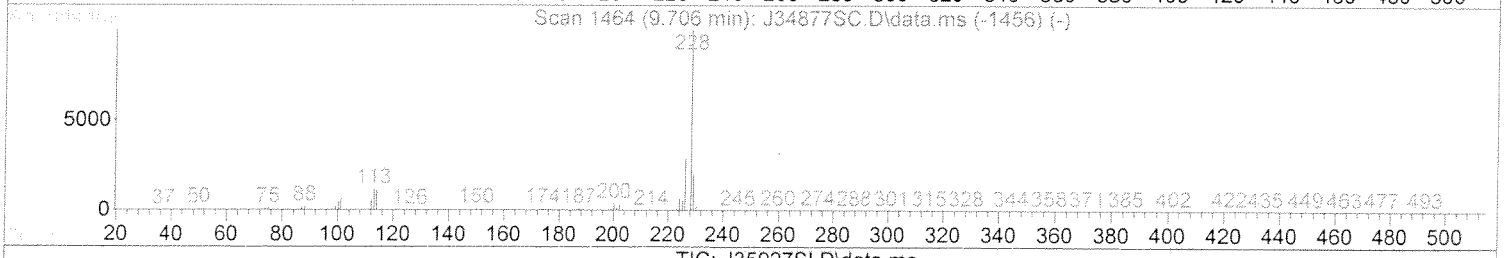
Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MW 9/23/10



KP





TIC: J35927SI.D\data.ms

(15) Chrysene (TM)

9.633min (-0.023) 78.86ug/ml

response 3819230

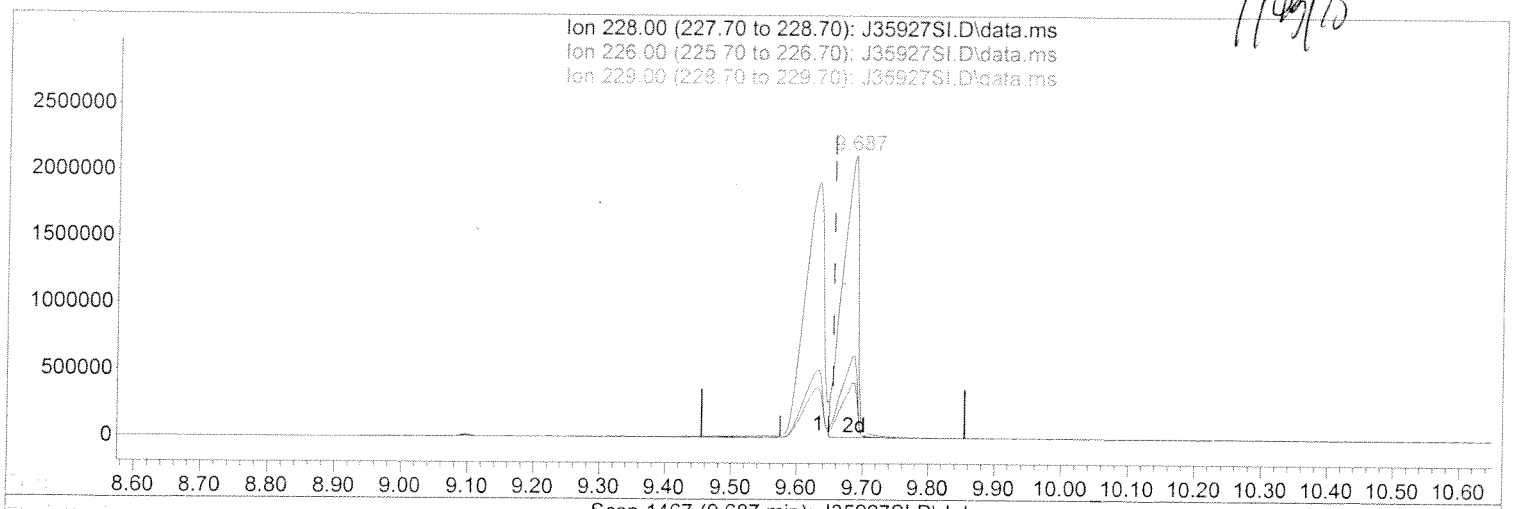
Ion	Exp%	Act%
228.00	100	100
226.00	29.20	26.26
229.00	19.70	19.82
0.00	0.00	0.00

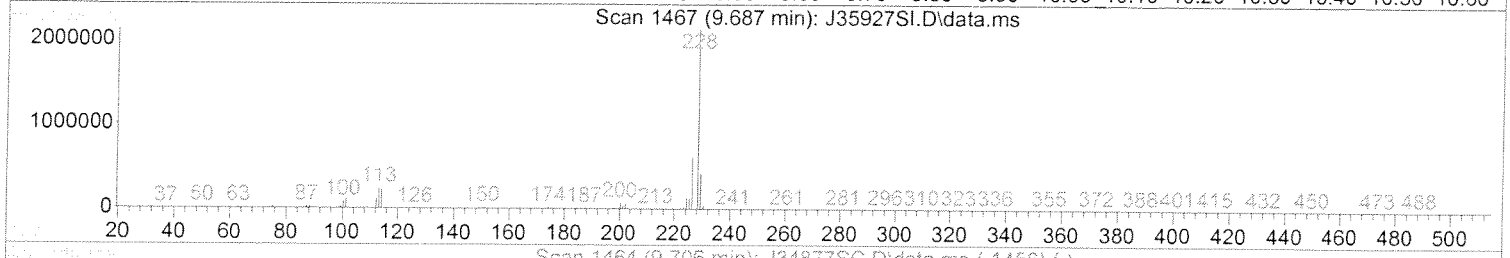
J42310

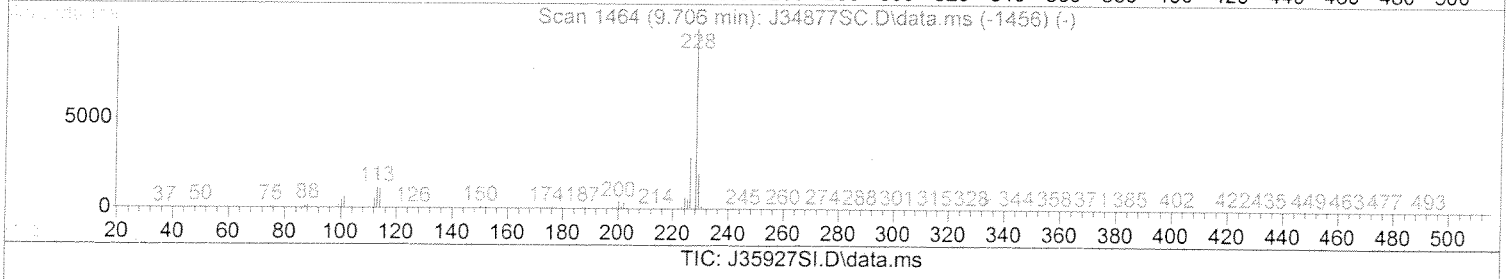
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10







TIC: J35927SI.D\data.ms

(15) Chrysene (TM)

9.687min (+0.031) 72.28ug/ml m

response 3500585

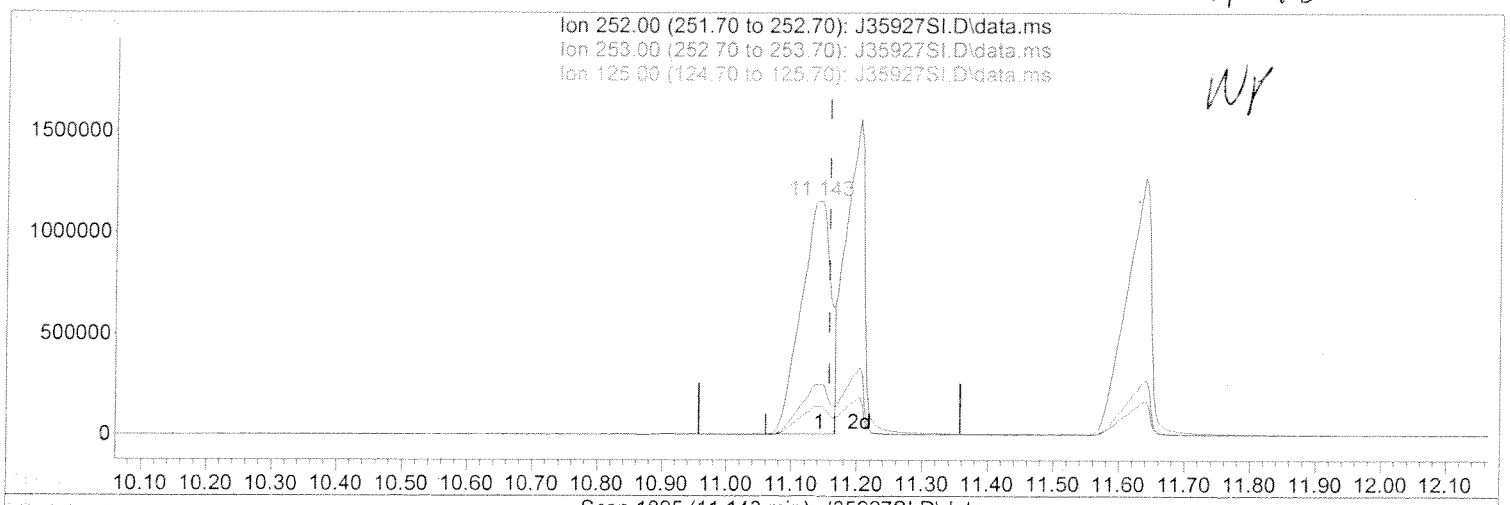
Ion	Exp%	Act%
228.00	100	100
226.00	29.20	28.65
229.00	19.70	21.62
0.00	0.00	0.00

092310

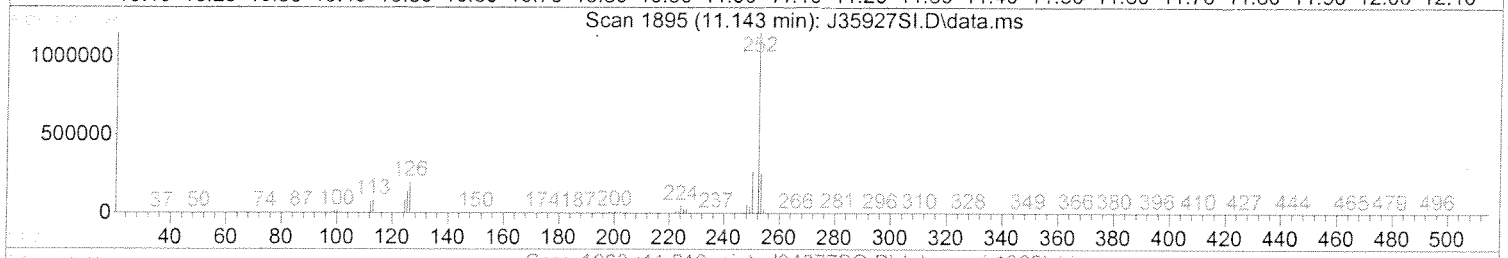
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

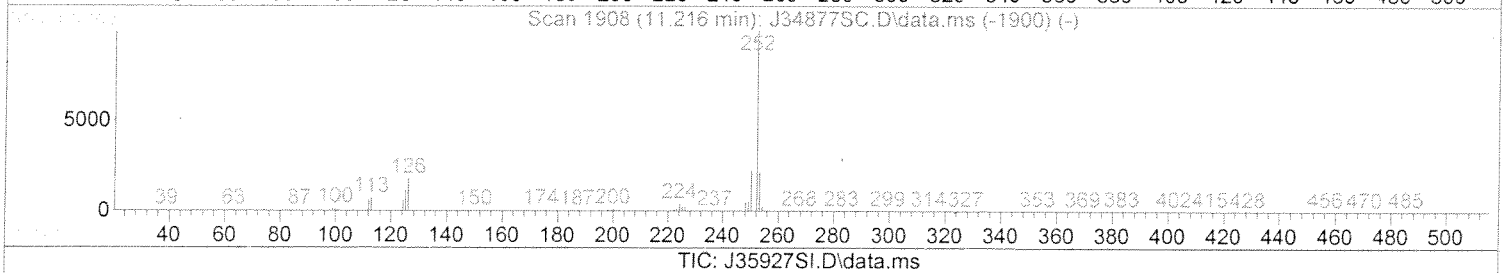
Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MW 9/23/10



WY





TIC: J35927SI.D\data.ms

(17) Benzo[k] fluoranthene (TM)

11.143min (-0.015) 85.34ug/ml

response 3690964

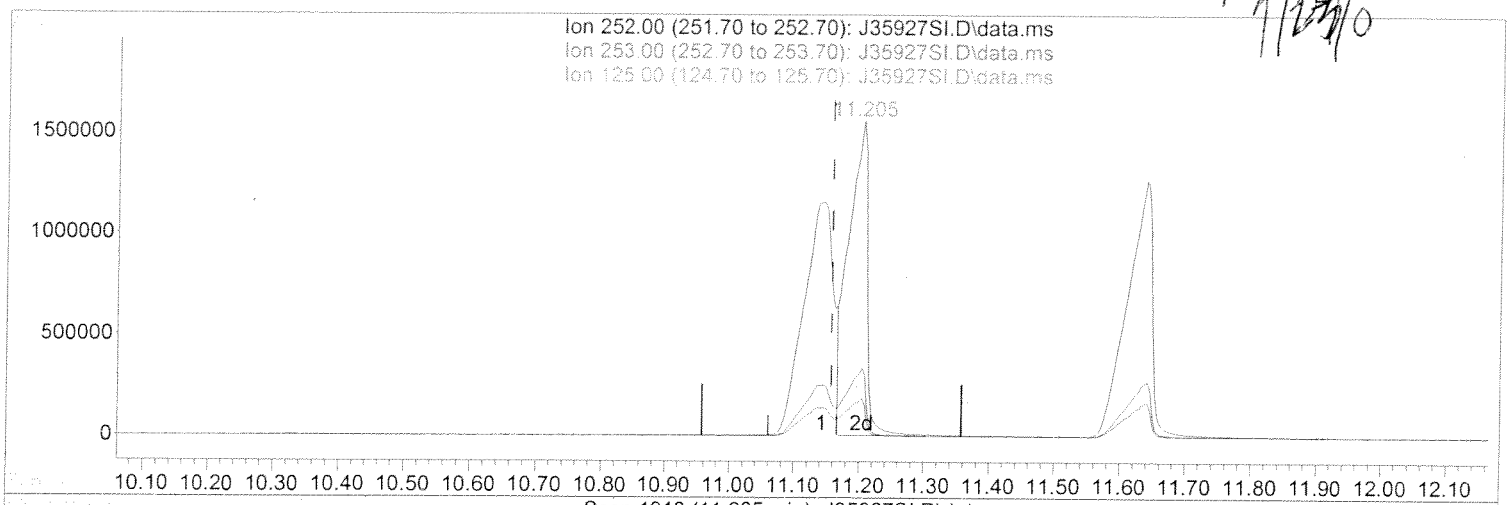
Ion	Exp%	Act%
252.00	100	100
253.00	22.70	21.95
125.00	13.70	12.82
0.00	0.00	0.00

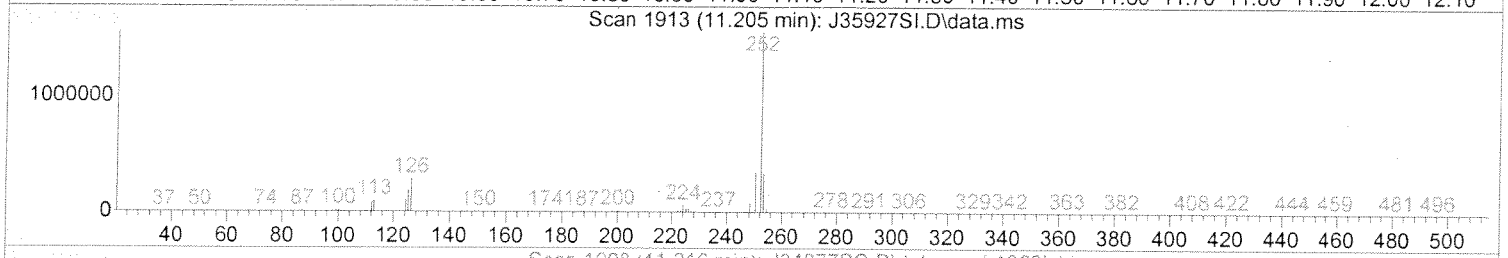
39230

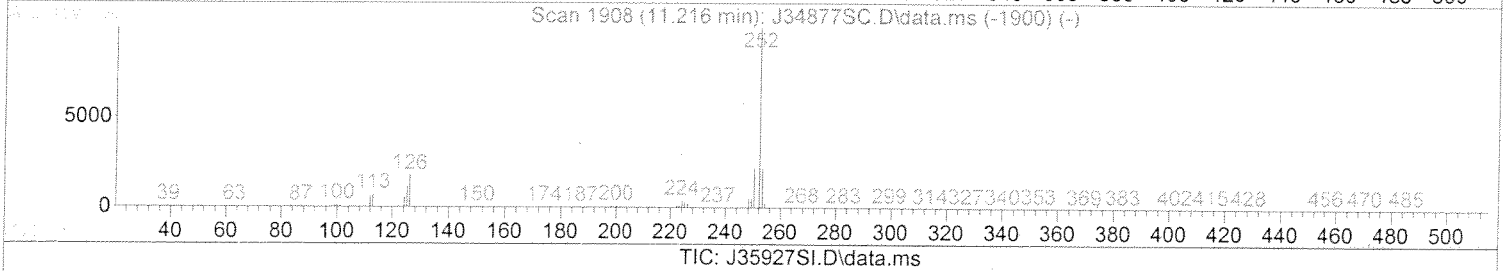
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration







TIC: J35927SI.D\data.ms

(17) Benzo[k] fluoranthene (TM)

11.205min (+0.047) 73.31ug/ml m

response 3170644

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	25.55
125.00	13.70	14.93
0.00	0.00	0.00

592310

ARM092110.M Wed Sep 22 03:40:16 2010

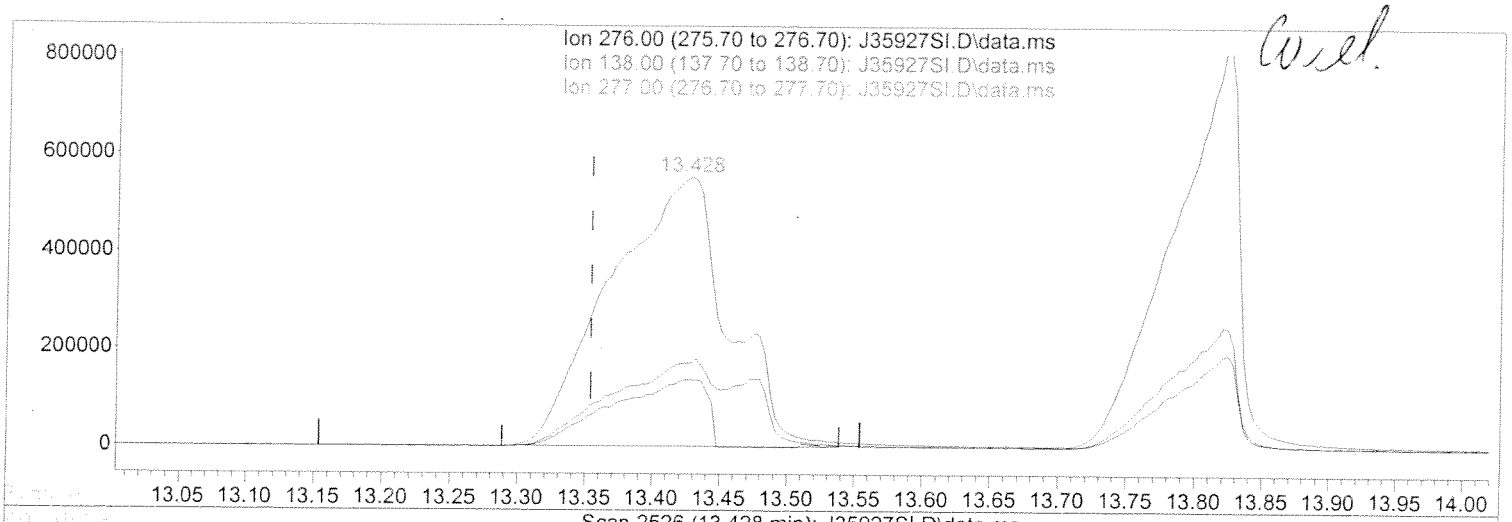
Quantitation Report (Qedit)

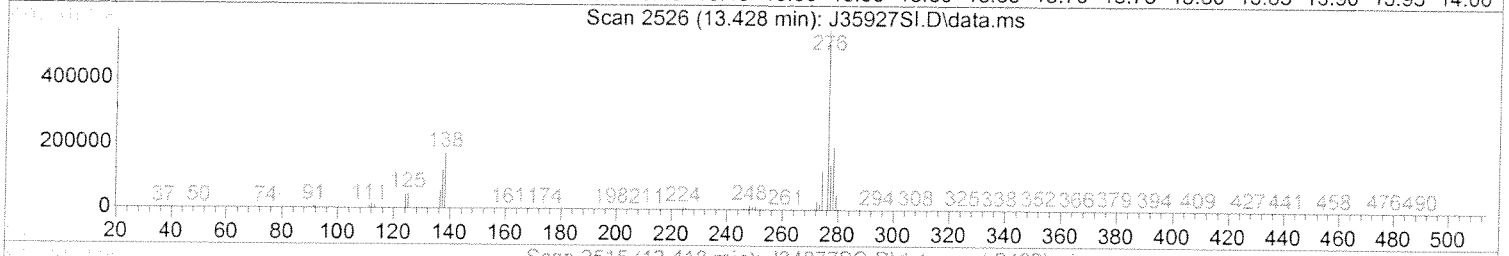
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

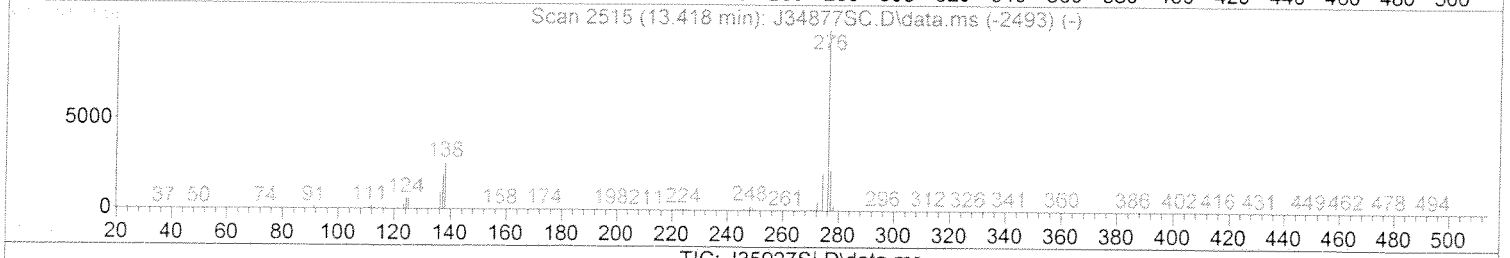
Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MC 9/23/10

Well.







TIC: J35927SI.D\data.ms

(19) Indeno [1,2,3-cd] pyrene (TM)

13.428min (+0.074) 112.53ug/ml

response 3344731

Ion	Exp%	Act%
276.00	100	100
138.00	30.20	35.90
277.00	23.70	20.10
0.00	0.00	0.00

592310

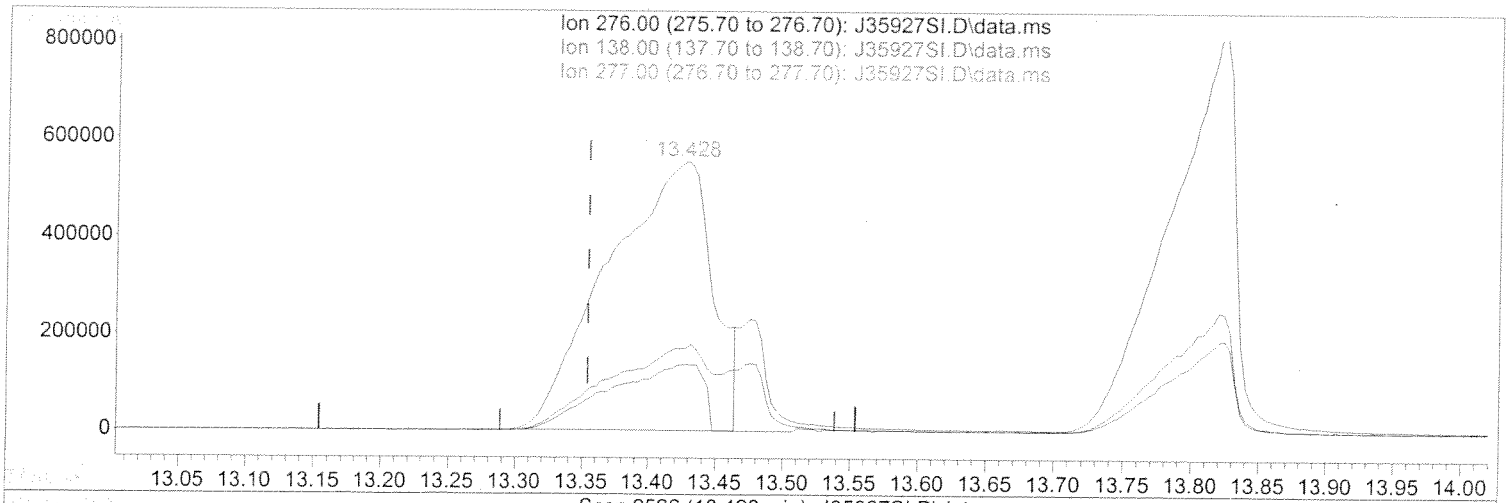
ARM092110.M Wed Sep 22 03:40:20 2010

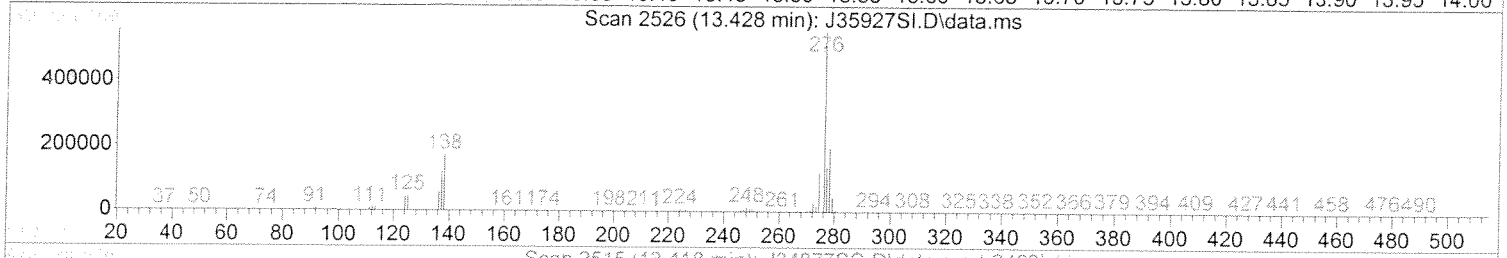
Quantitation Report (Qedit)

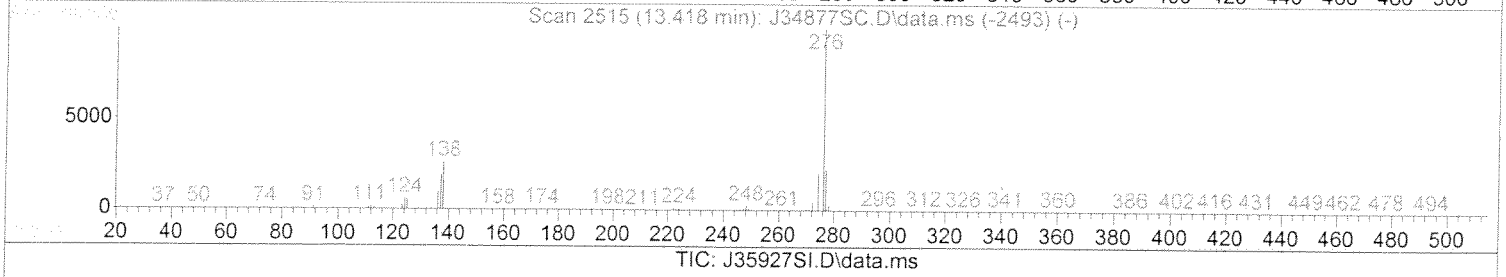
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10







TIC: J35927SI.D\data.ms

(19) Indeno [1,2,3-cd] pyrene (TM)

13.428min (+0.074) 100.89ug/ml m

response 2998642

Ion	Exp%	Act%
276.00	100	100
138.00	30.20	40.04#
277.00	23.70	22.43
0.00	0.00	0.00

592310

ARM092110.M Wed Sep 22 03:40:31 2010

MS AROMATIC
2ND SOURCE
CHECK

Data File Name J35928.D
Sample Name S9716 ARO 20 ICV
Date Acquired 9/22/2010 3:45

MV 9/22/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.22	20	106%	OK
2-Methylnaphthalene	21.96	20	110%	OK
Acenaphthylene	21.04	20	105%	OK
Acenaphthene	21.66	20	108%	OK
Fluorene	21.32	20	107%	OK
Phenanthrene	21.23	20	106%	OK
Anthracene	21.72	20	109%	OK
o-terphenyl	18.42	20	92%	OK
Fluoranthene	21.85	20	109%	OK
Pyrene	20.90	20	104%	OK
Benzo[a]anthracene	18.71	20	94%	OK
Chrysene	19.70	20	99%	OK
Benzo[b] fluoranthene	18.55	20	93%	OK
Benzo[k] fluoranthene	18.92	20	95%	OK
Benzo[a] pyrene	19.32	20	97%	OK
Indeno [1,2,3-cd] pyrene	18.66	20	93%	OK
Dibenz [a,h] anthracene	18.67	20	93%	OK
Benzo(g,h,i) perylene	18.35	20	92%	OK

S9230

9/22/2010 4:03 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARM ICVPRCT.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35928.D
Acq On : 22 Sep 2010 3:45 am
Operator : AR/MG
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 22 04:02:42 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

PK 9/22/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	105542	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.440	172	297	0.01 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 0.05%#		
10) 2-Bromonaphthalene	5.979	206	300	0.02 ug/ml	0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 0.10%#		
11) o-terphenyl	7.480	230	588741	18.42 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 92.10%		
Target Compounds					Qvalue
2) Naphthalene	4.561	128	1044087	21.22 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	594178	21.96 ug/ml	99
4) Acenaphthylene	5.855	152	1111750	21.04 ug/ml	100
5) Acenaphthene	5.991	154	619389	21.66 ug/ml	99
6) Fluorene	6.413	166	777427	21.32 ug/ml	100
7) Phenanthrene	7.175	178	1126282	21.23 ug/ml	100
8) Anthracene	7.218	178	1139204	21.72 ug/ml	100
12) Fluoranthene	8.136	202	1249245	21.85 ug/ml	100
13) Pyrene	8.328	202	1262818	20.90 ug/ml	100
14) Benzo[a]anthracene	9.609	228	944209	18.71 ug/ml	98
15) Chrysene	9.653	228	972346	19.70 ug/ml	99
16) Benzo[b] fluoranthene	11.109	252	822050	18.55 ug/ml	99
17) Benzo[k] fluoranthene	11.157	252	830499	18.92 ug/ml	98
18) Benzo[a] pyrene	11.595	252	816358	19.32 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.349	276	633279	18.66 ug/ml	99
20) Dibenz [a,h] anthracene	13.417	278	606077	18.67 ug/ml	99
21) Benzo(g,h,i) perylene	13.754	276	673559	18.35 ug/ml	99

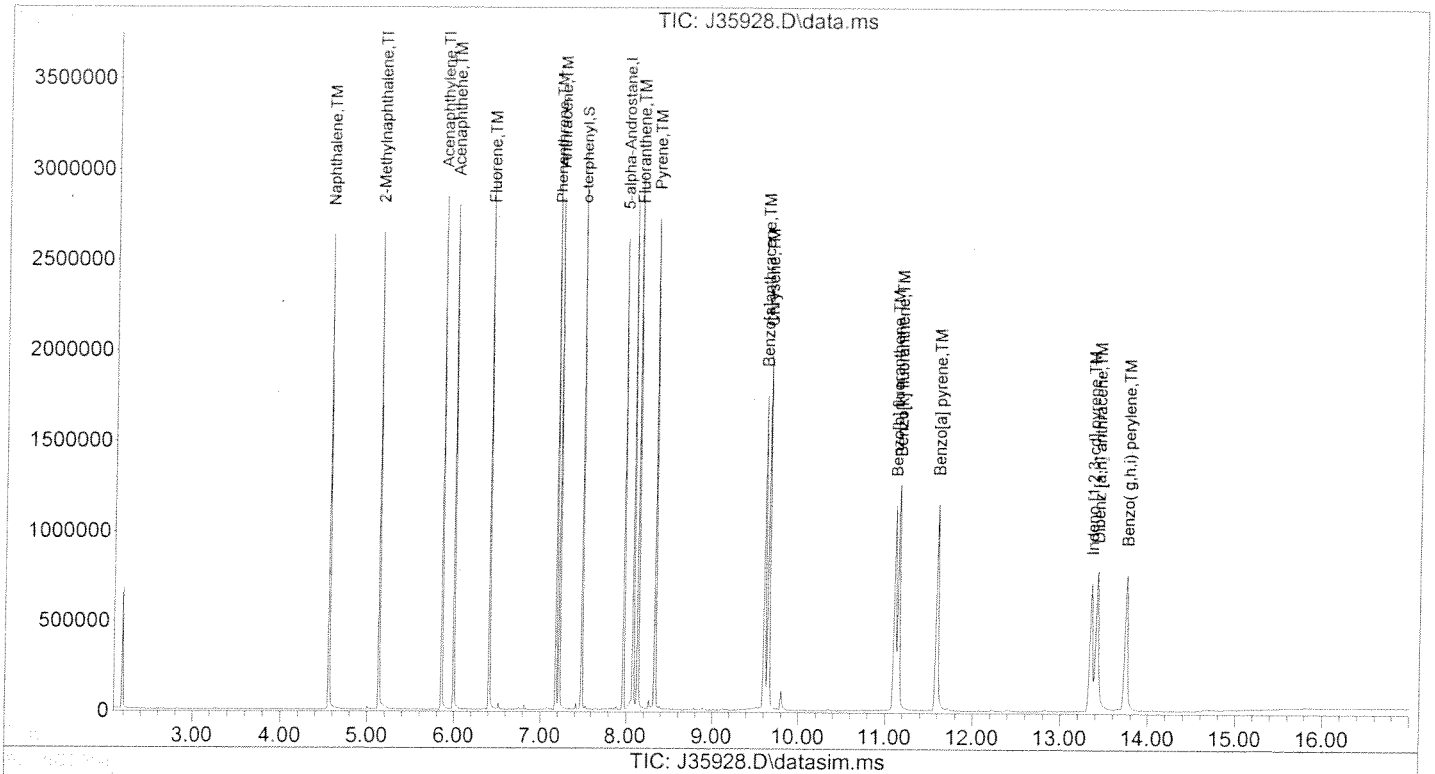
(#) = qualifier out of range (m) = manual integration (+) = signals summed

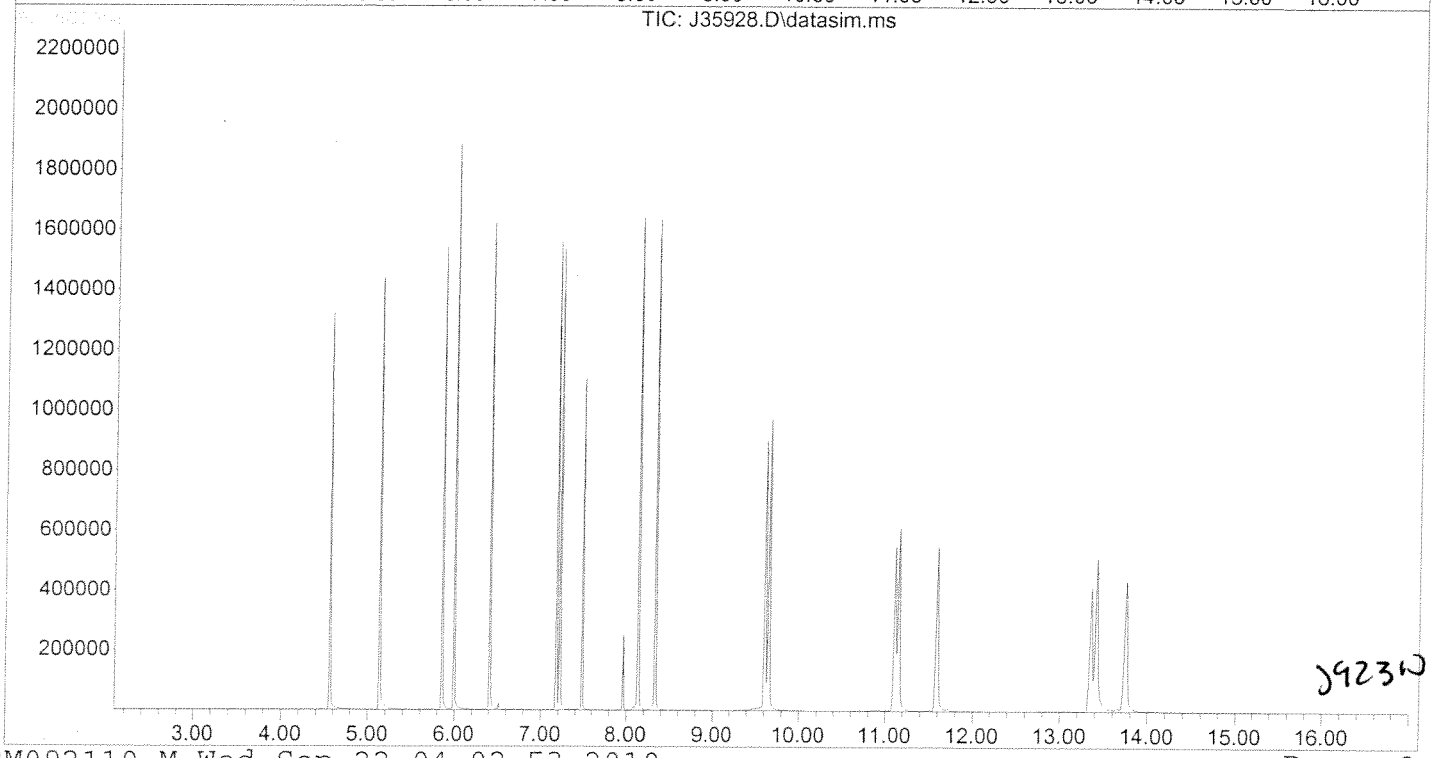
J9230

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35928.D
Acq On : 22 Sep 2010 3:45 am
Operator : AR/MG
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 22 04:02:42 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

9/22/10





J923W

Method Path : C:\msdchem\1\METHODS\
Method File : ARG092110.M
Title : EPH GC AROMATICS
Last Update : Wed Sep 22 04:48:18 2010
Response Via : Initial Calibration

9/23/10

Calibration Files

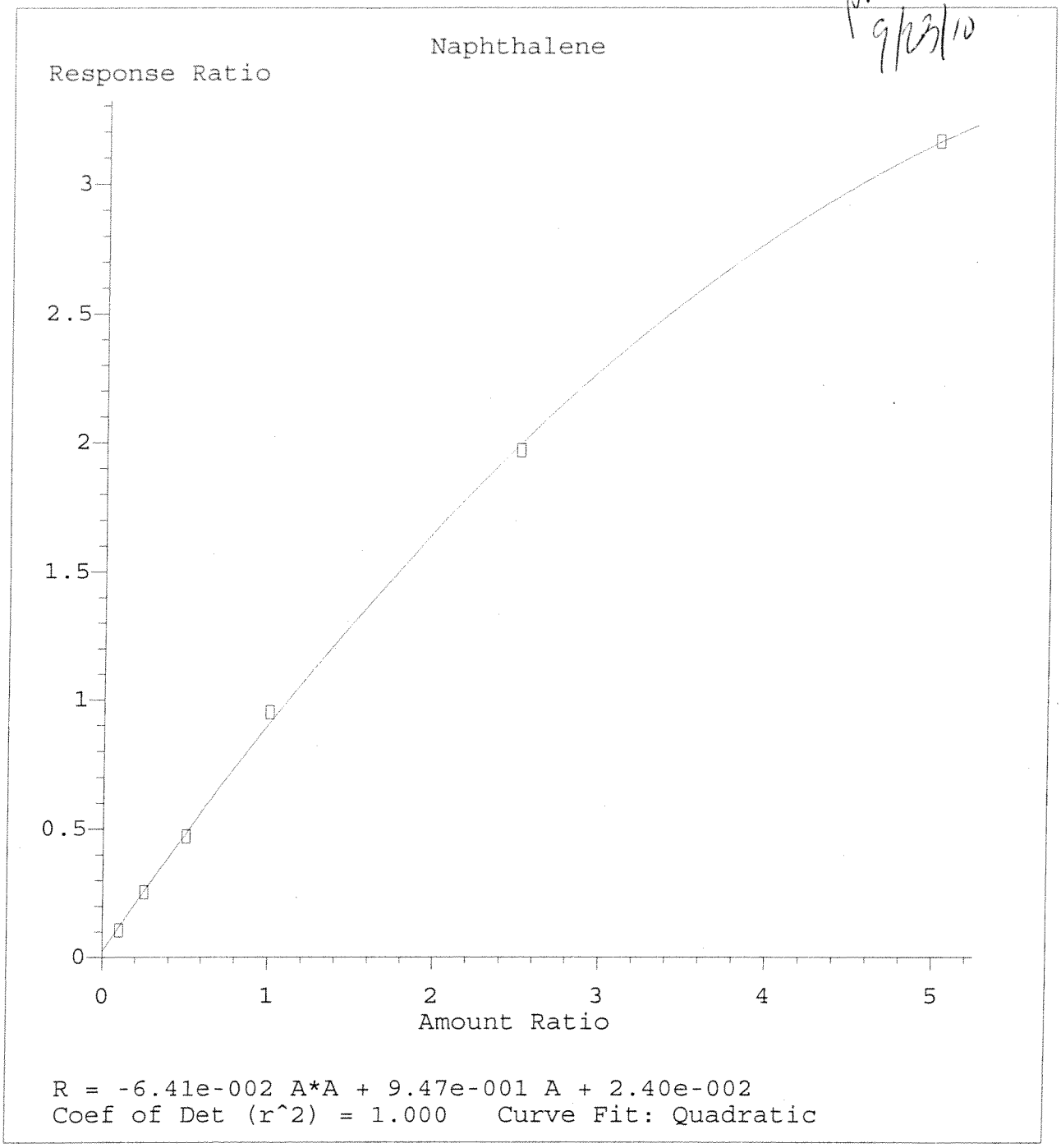
2	=J35922SI.D	5	=J35923SI.D	10	=J35924SI.D
20	=J35925SI.D	50	=J35926SI.D	100	=J35927SI.D

		Compound	2	5	10	20	50	100	Avg	%RSD
1)	I	5-alpha-Androstane	----------ISTD----------							
2)	TZ	Naphthalene	1.061	1.017	0.942	0.951	0.787	0.632	0.898	17.83
3)	TZ	2-Methylnapht...	1.120	1.022	0.966	0.966	0.787	0.635	0.916	19.13
4)	TZ	Acenaphthylene	1.108	1.090	0.996	0.993	0.828	0.674	0.948	17.62
5)	TZ	Acenaphthene	1.401	1.230	1.093	1.065	0.870	0.699	1.060	23.59
6)	TZ	Fluorene	1.296	1.201	1.077	1.089	0.904	0.727	1.049	19.56
7)	TZ	Phenanthrene	1.258	1.241	1.141	1.127	0.916	0.729	1.069	19.30
8)	TZ	Anthracene	1.281	1.221	1.067	1.075	0.851	0.690	1.031	21.70
9)	S	2-Fluorobiphenyl	1.143	1.098	1.017	1.049	0.882	0.727	0.986	15.72
10)	S	2-Bromonaphth...	0.742	0.843	0.800	0.817	0.731	0.608	0.757	11.18
11)	S	o-terphenyl	1.634	1.537	1.366	1.322	1.158	0.946	1.327	18.87
12)	TZ	Fluoranthene	1.500	1.335	1.257	1.217	0.966	0.817	1.182	21.11
13)	TZ	Pyrene	1.428	1.342	1.277	1.250	1.022	0.847	1.194	18.22
14)	TZ	Benzo[a]anthr...	1.170	1.137	1.085	1.079	0.942	0.813	1.038	12.99
15)	TZ	Chrysene	1.250	1.231	1.149	1.119	0.939	0.777	1.078	17.10
16)	TZ	Benzo[b] fluo...	1.143	1.034	0.965	0.969	0.868	0.790	0.961	12.87
17)	TZ	Benzo[k] fluo...	1.132	1.064	1.010	0.968	0.861	0.716	0.959	15.65
18)	TZ	Benzo[a] pyrene	0.964	0.952	0.975	0.969	0.839	0.754	0.909	10.08
19)	TZ	Indeno [1,2,3...	0.794	0.768	0.746	0.768	0.732	0.779	0.765	2.96
20)	TZ	Dibenz [a,h] ...	1.076	0.985	0.920	0.866	0.753	0.495	0.849	24.12
21)	TZ	Benzo(g,h,i)...	0.951	0.959	0.889	0.872	0.804	0.670	0.857	12.58
22)	XH	c11-c22	1.173	1.107	1.033	1.020	0.863	0.720	0.986	✓16.89

(#) = Out of Range

J92310

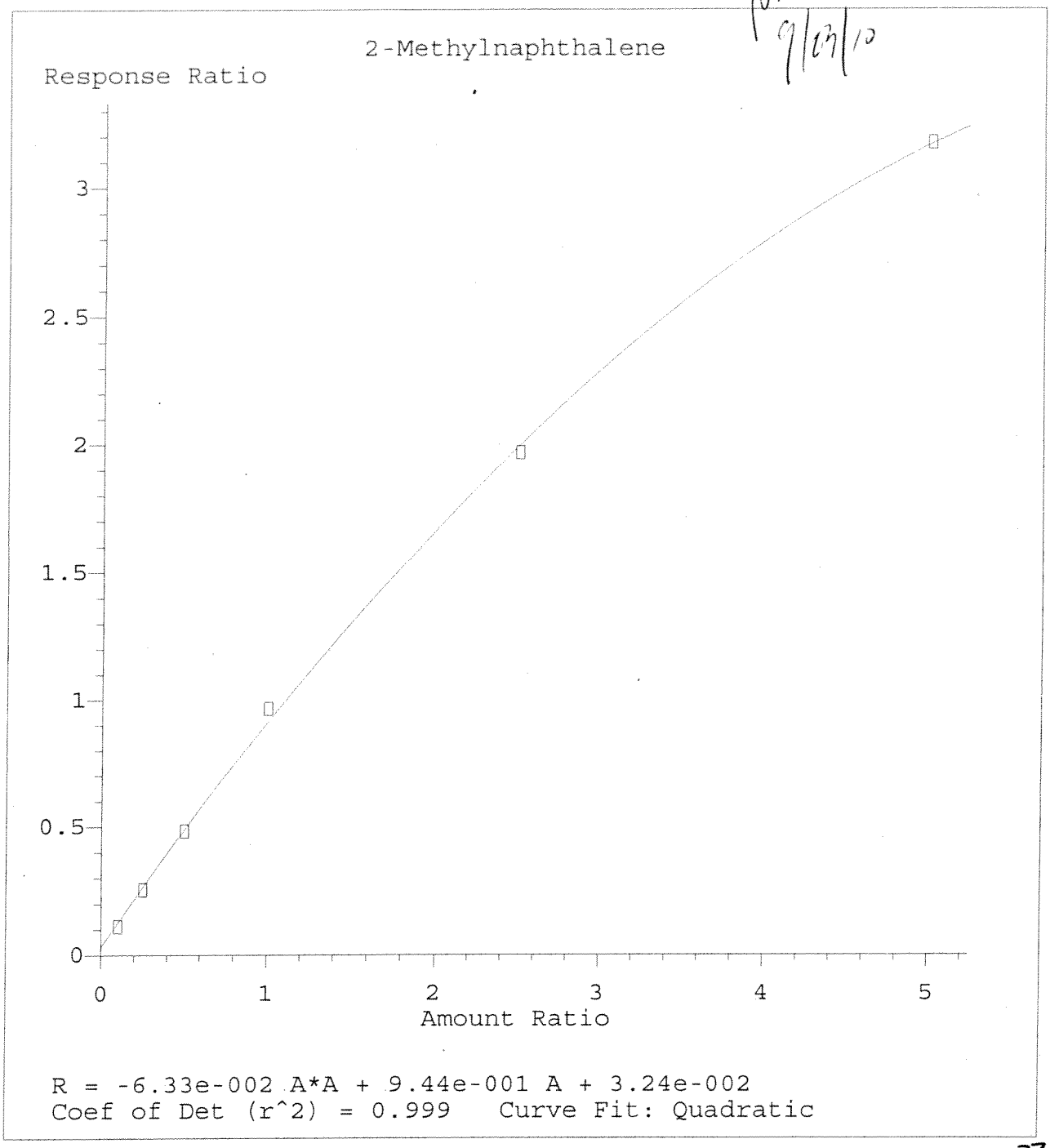
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:40:33 2010

092300

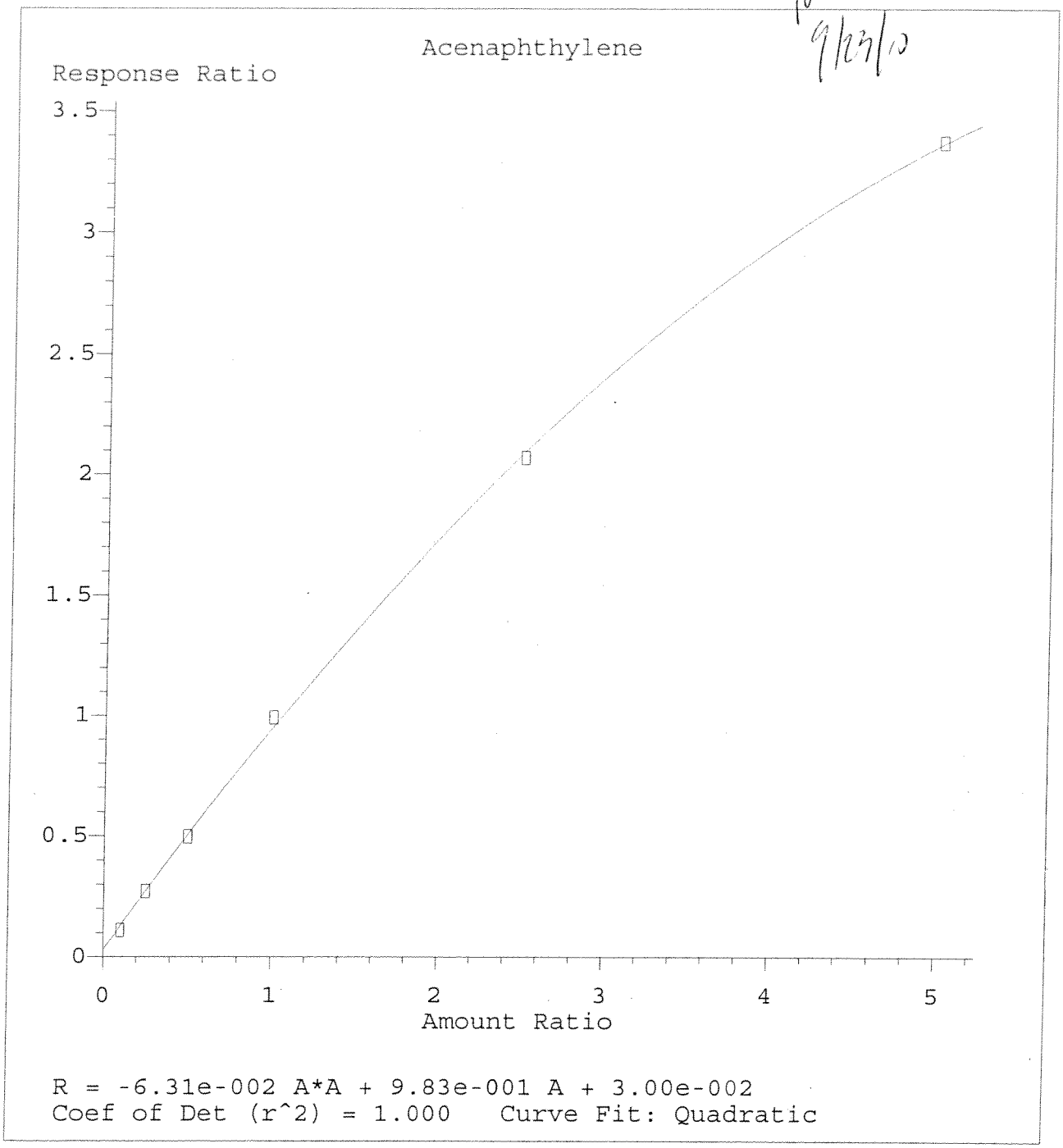
9/23/10



092310

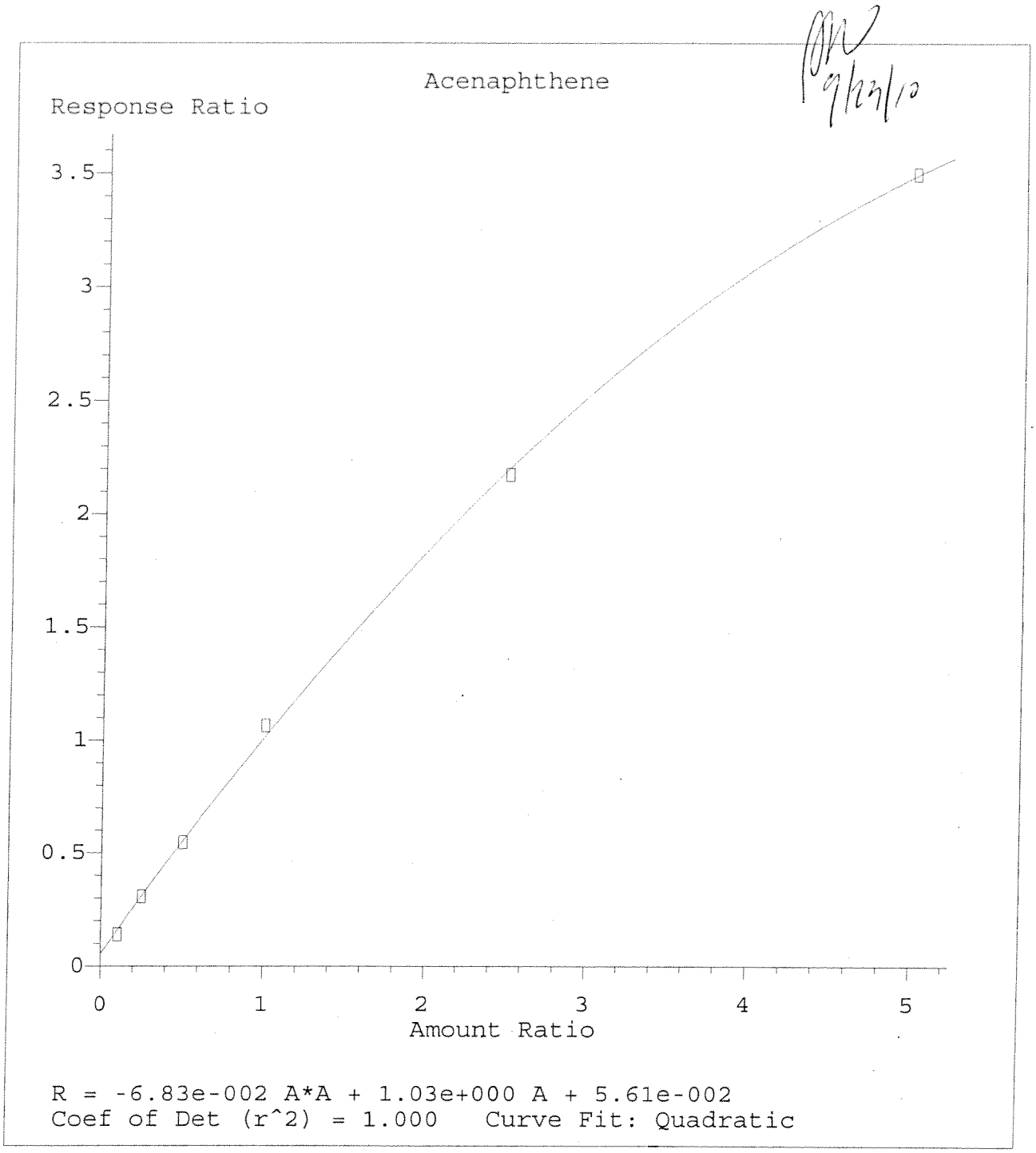
Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:01 2010

9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:07 2010

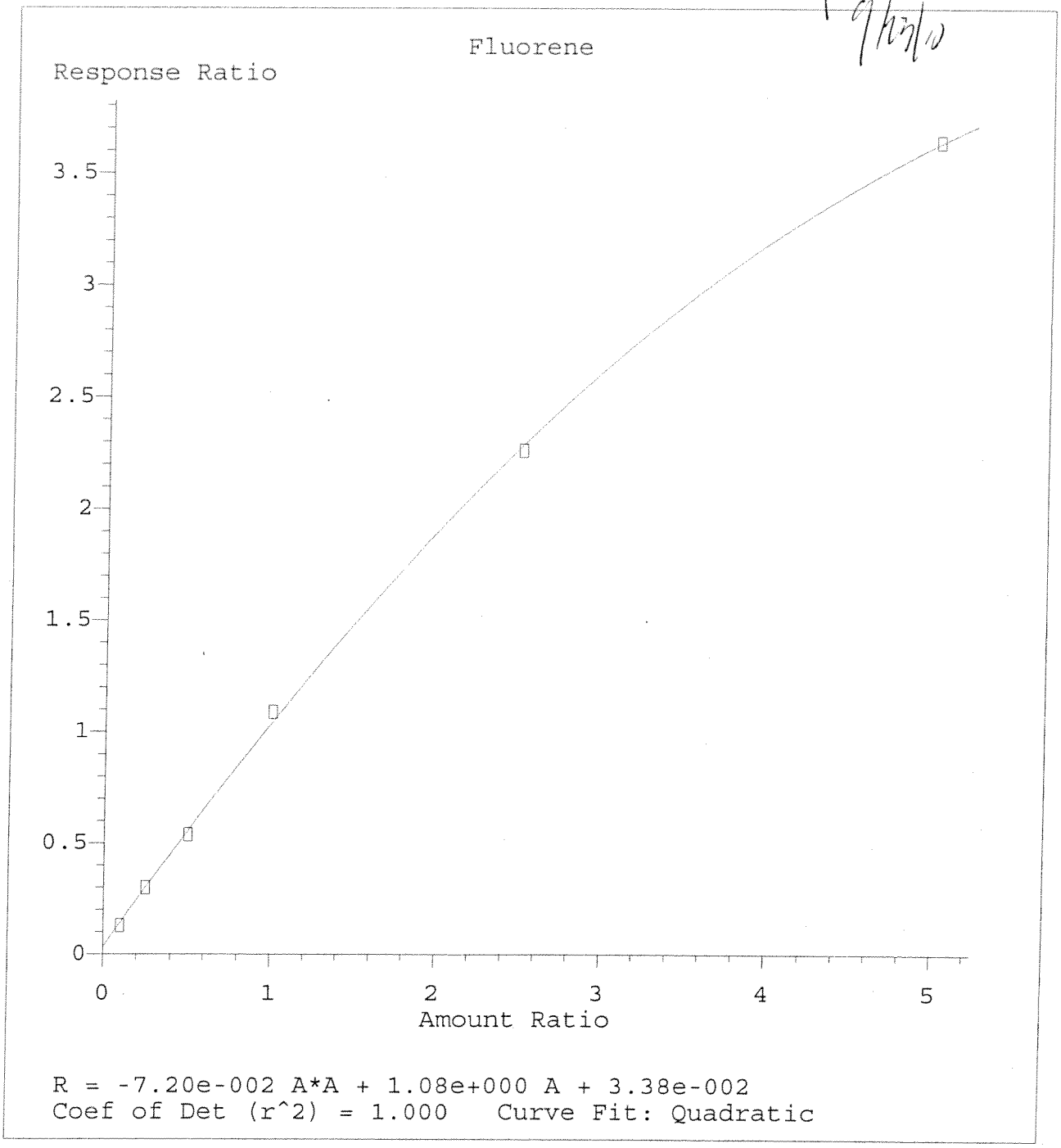
242310



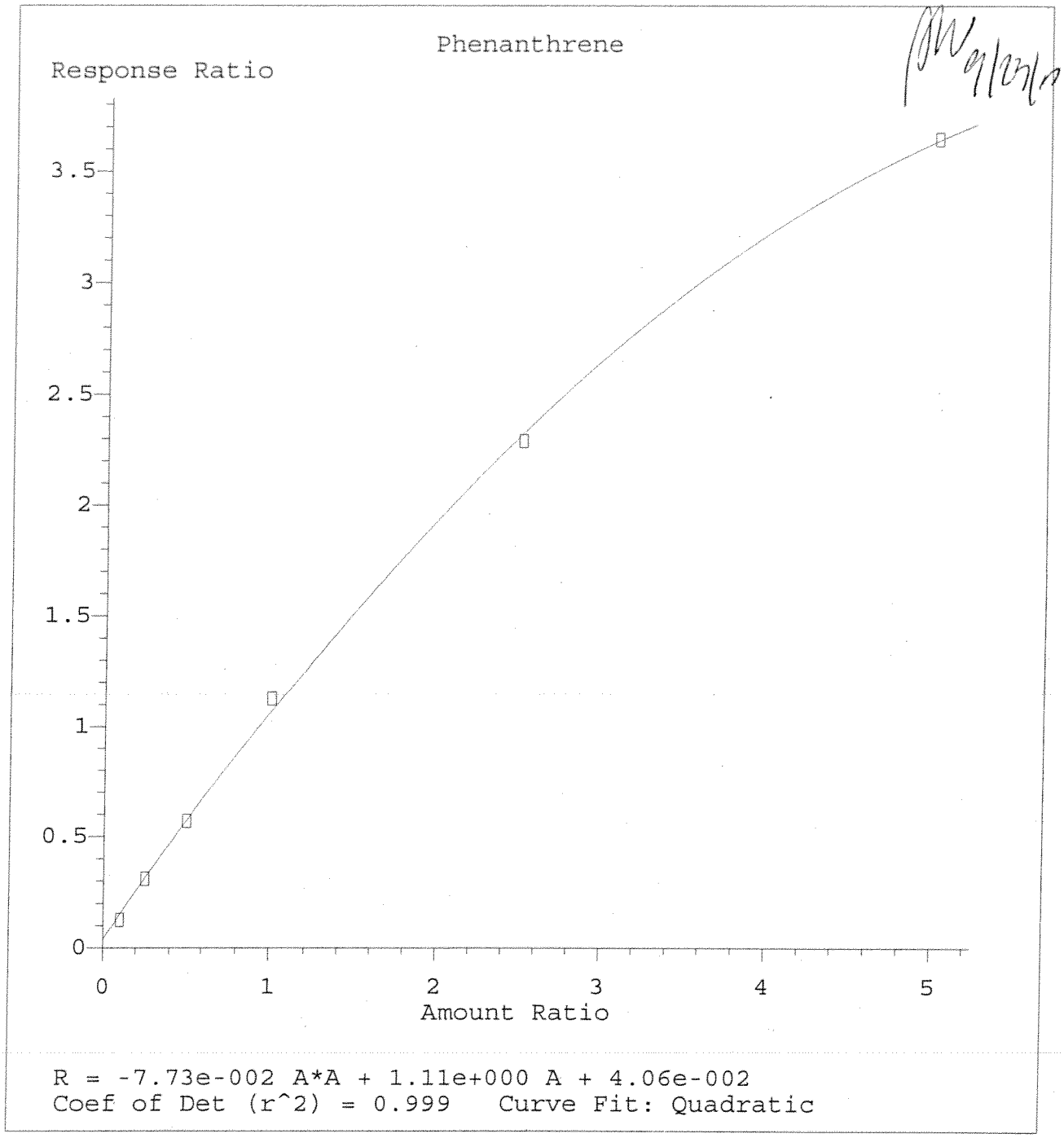
9/23/10

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:12 2010

092310

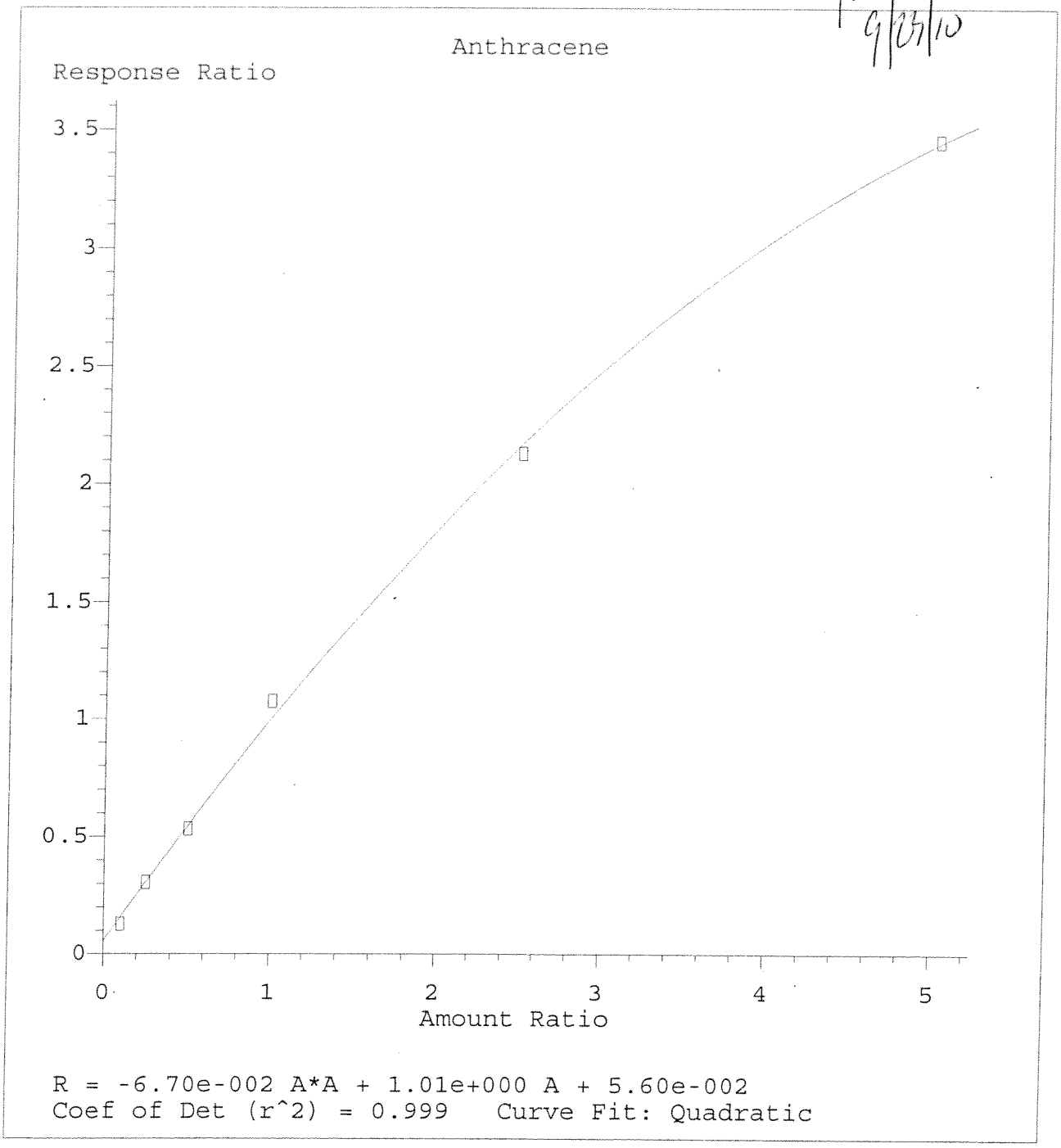


Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:19 2010



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:05 2010

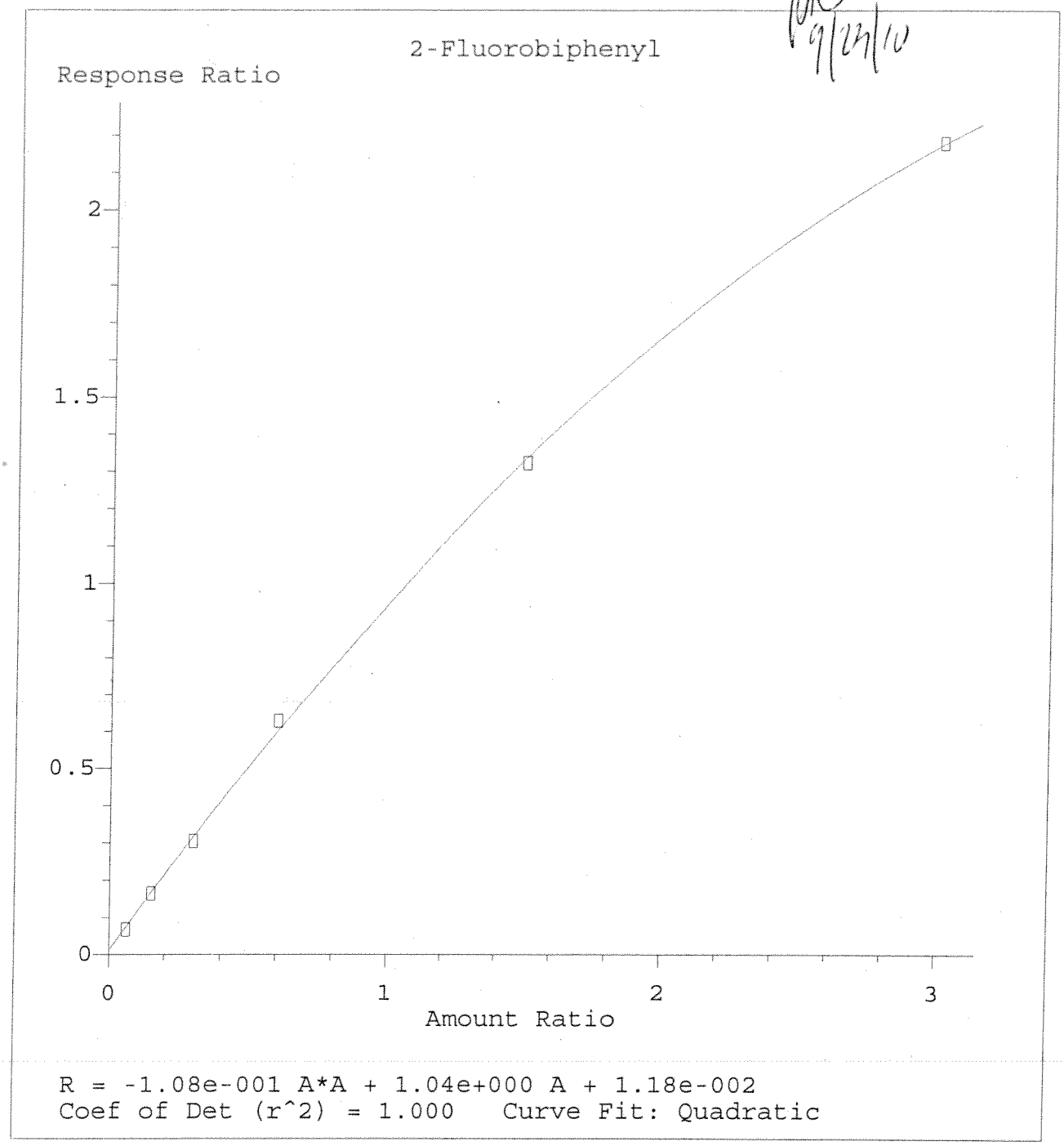
MK 9/23/10



092310

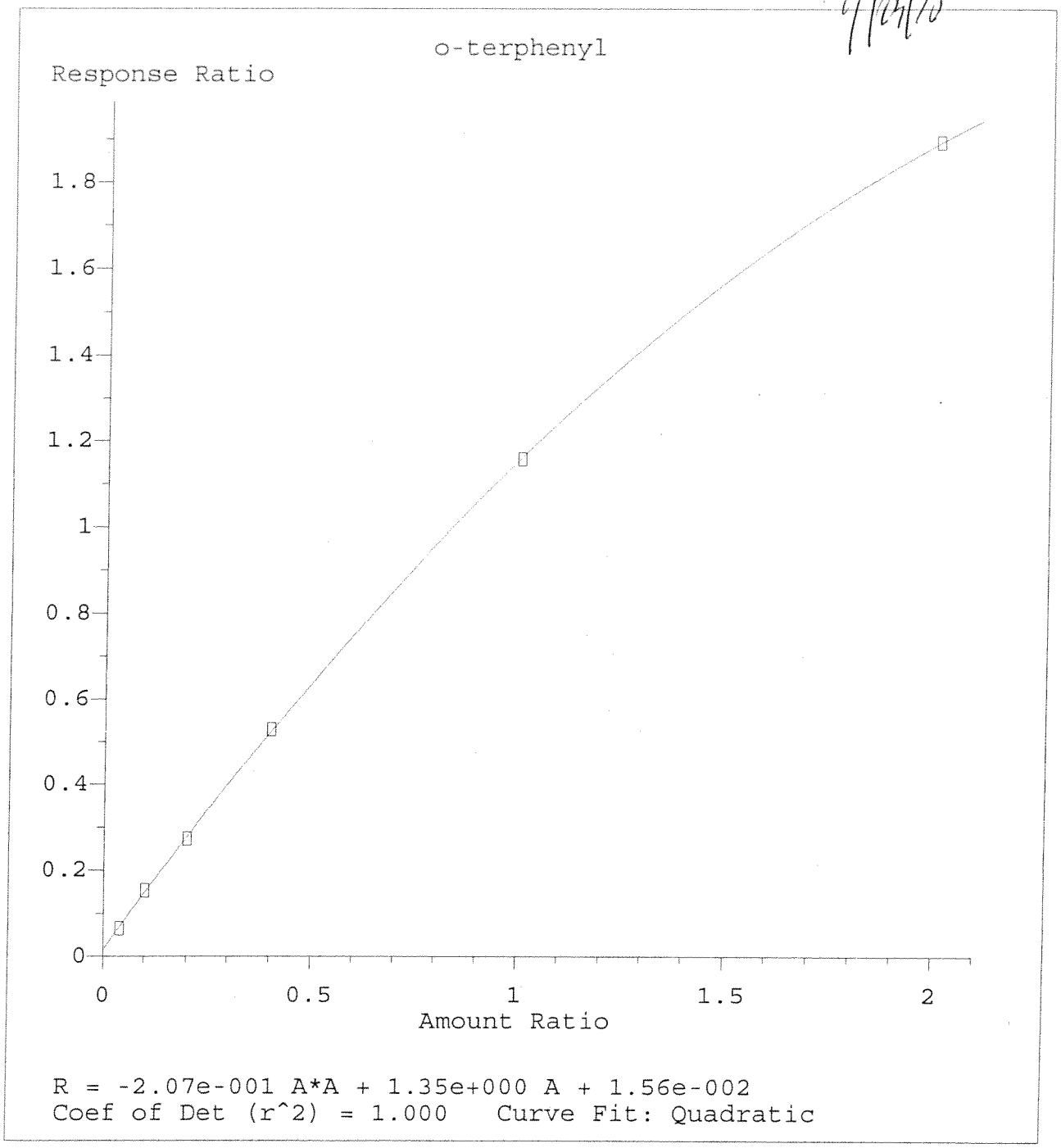
Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:11 2010

9/23/10

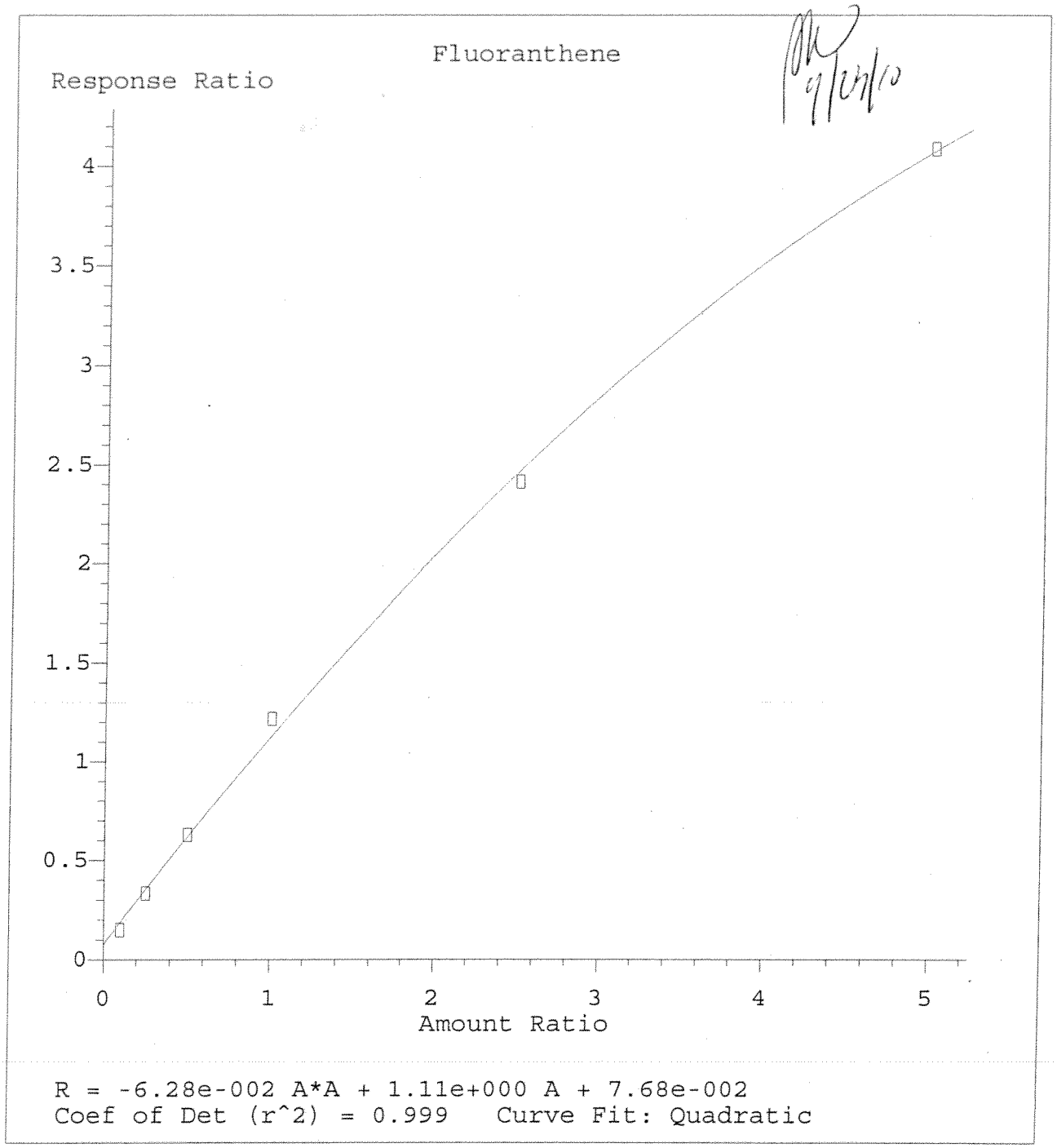


Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:16 2010

J42310



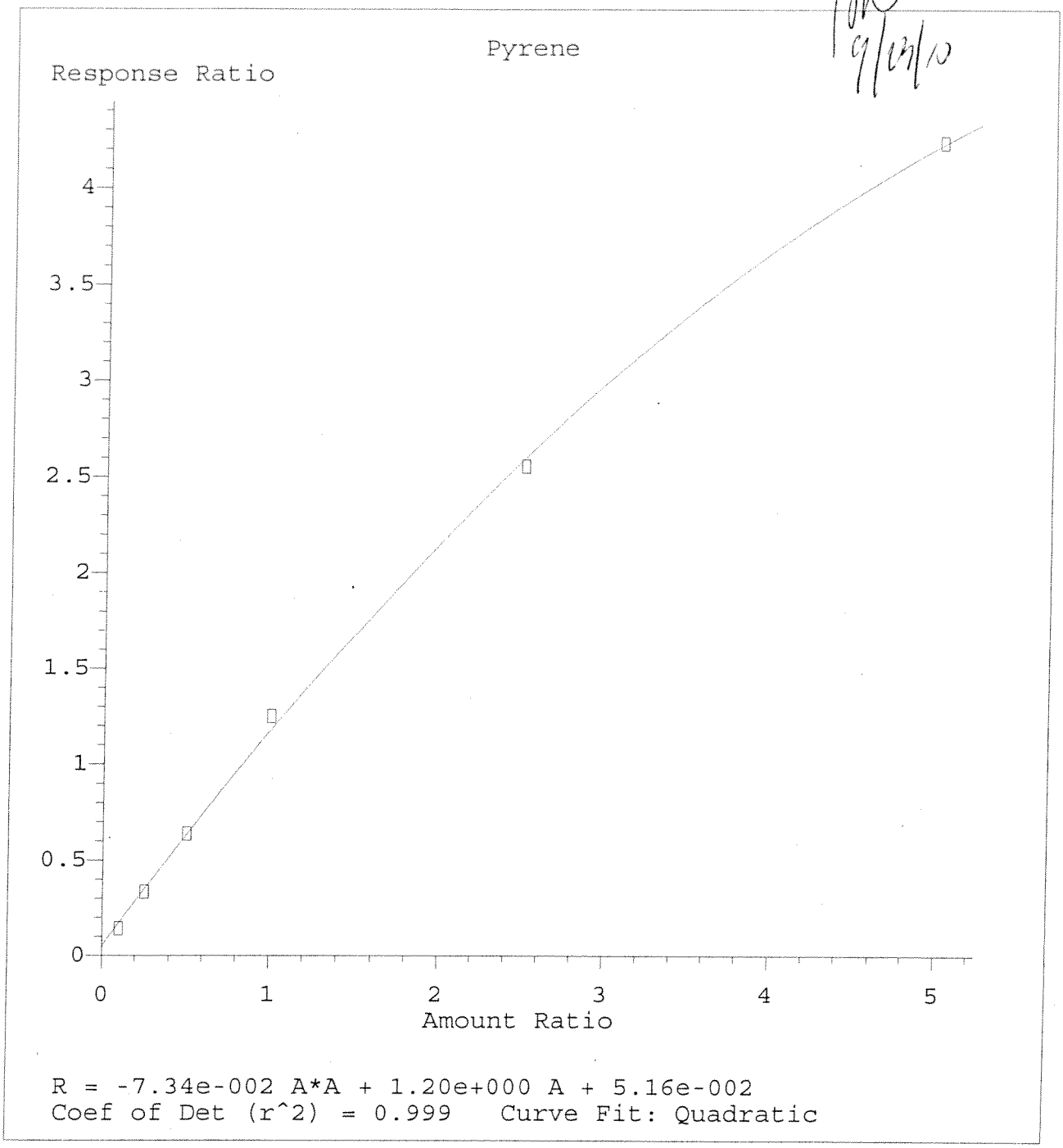
Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:21 2010



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:28 2010

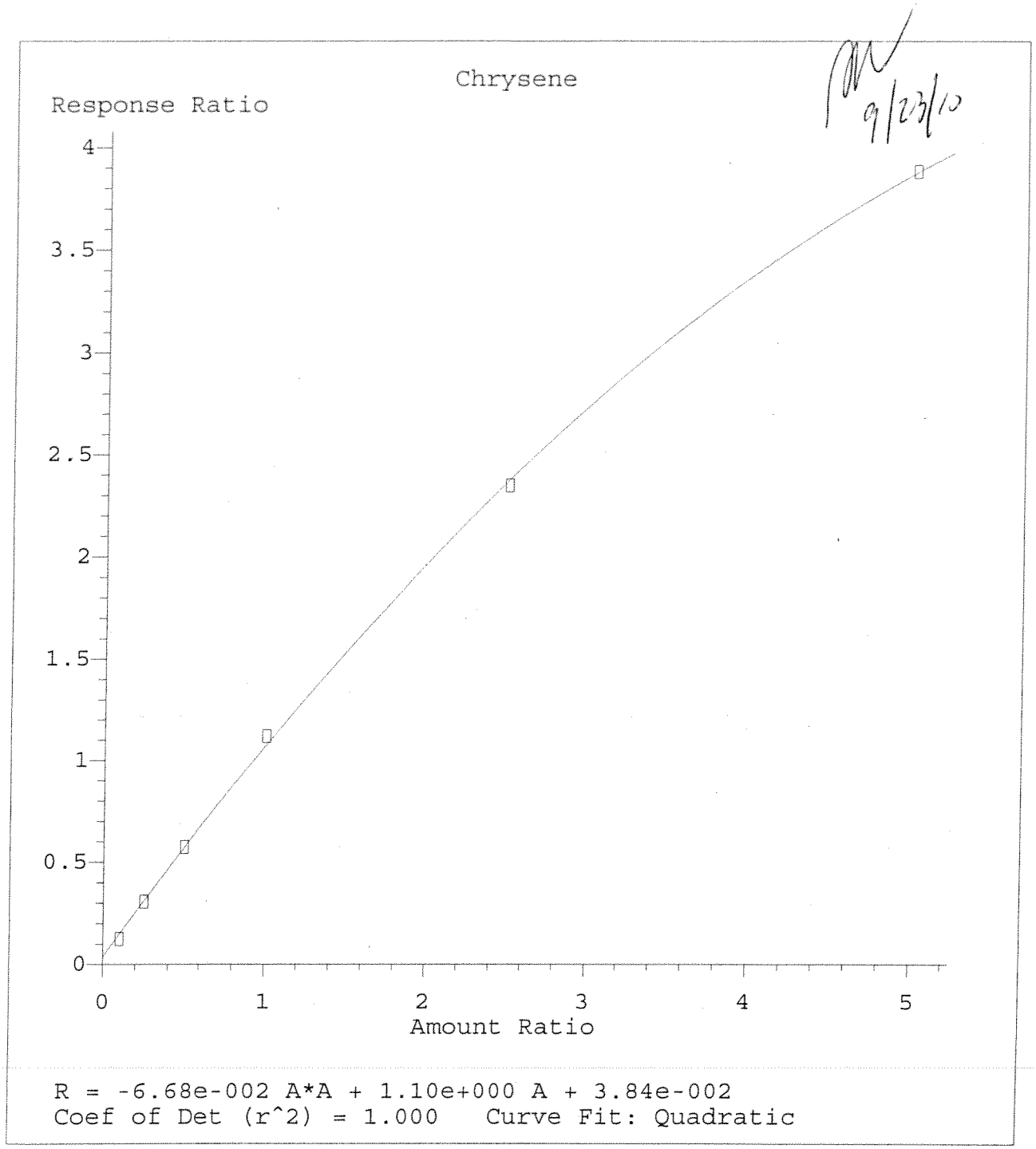
092310

9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:32 2010

092310

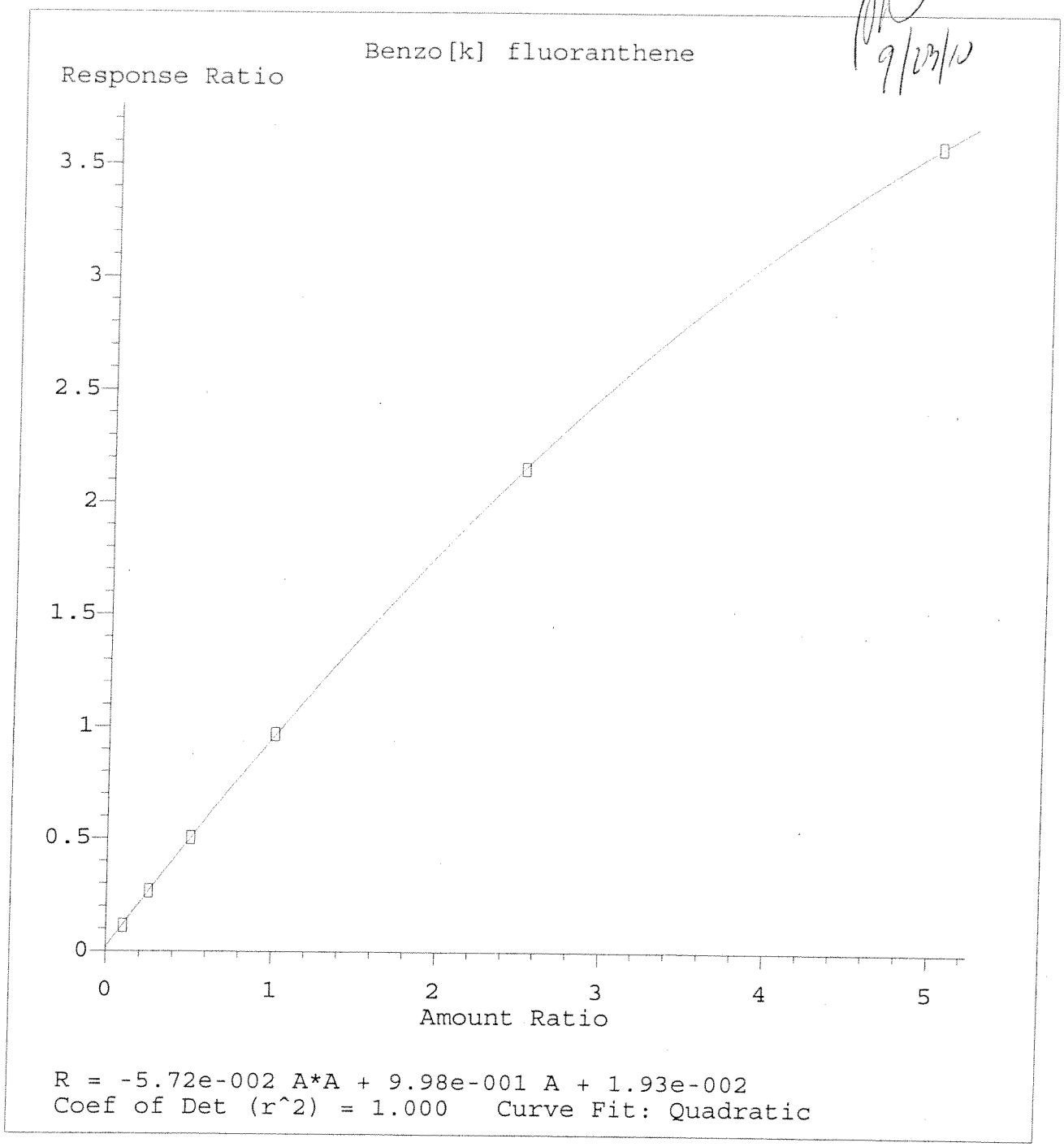


9/23/10

S9230

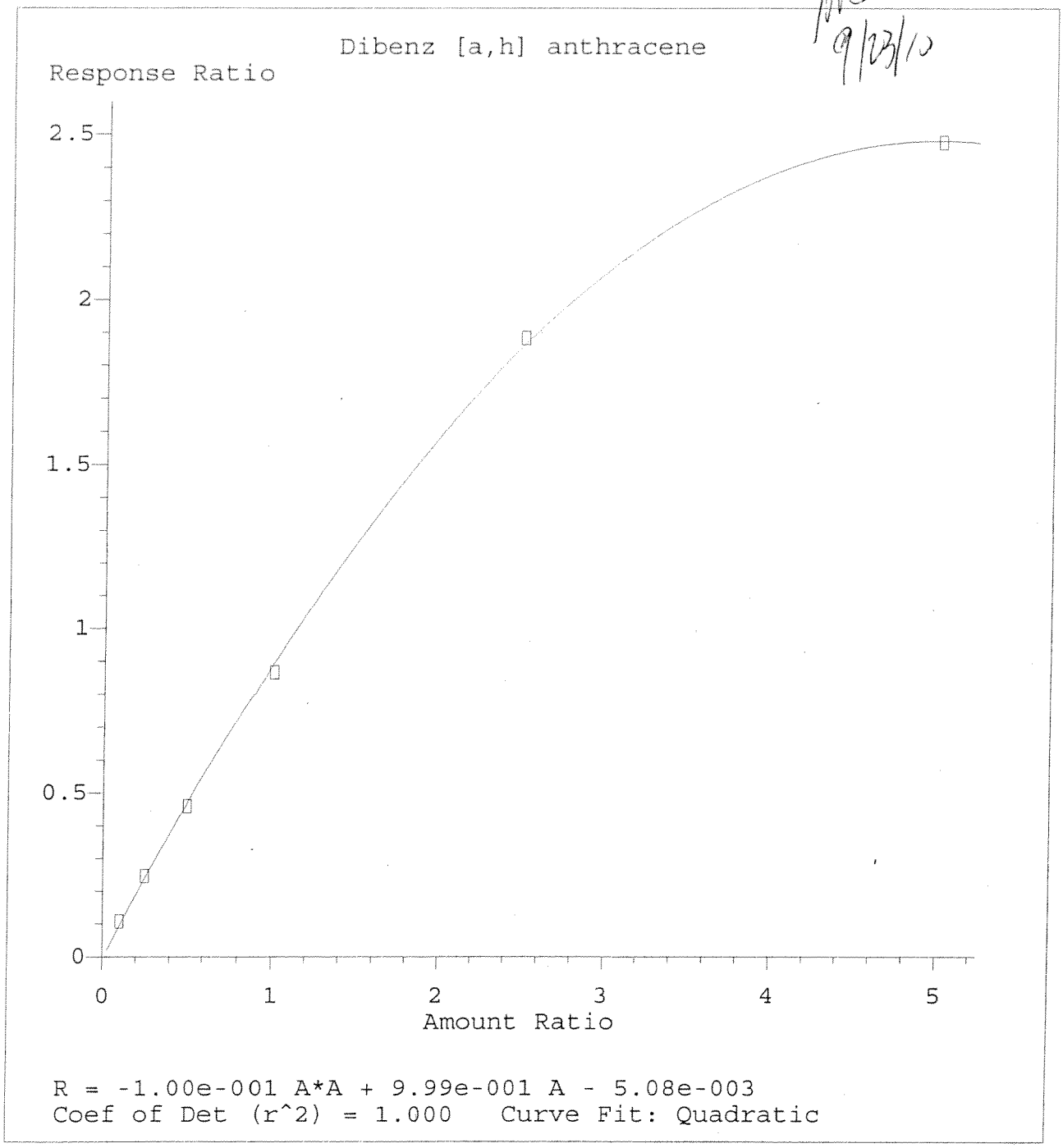
Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:37 2010

9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:46 2010

092310

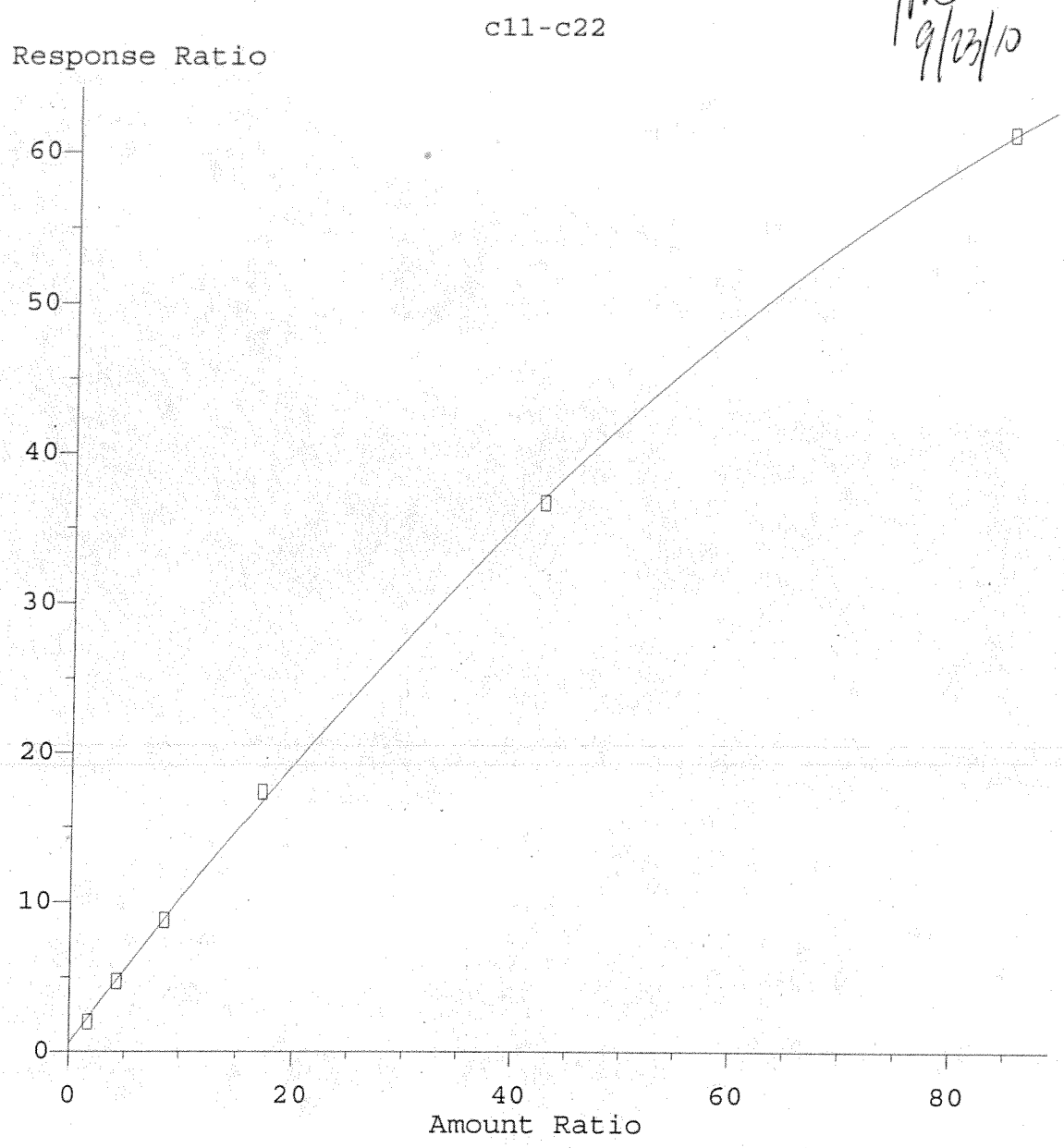


9/23/10

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:54 2010

59230

MC 9/23/10



R = -3.44e-003 A*A + 1.01e+000 A + 5.49e-001
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:44:05 2010

592300

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35922SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:27 am
Operator : AR/MG
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:51 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	22928836	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.439	1572111	1.476 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	7.38%#
10) S 2-Bromonaphthalene	5.967	1021466	1.308 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	6.54%#
11) S o-terphenyl	7.480	1499057	1.023 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	5.11%#
Target Compounds			
2) TZ Naphthalene	4.561	2433384	2.311 ug/ml
3) TZ 2-Methylnaphthalene	5.132	2569036	2.186 ug/ml
4) TZ Acenaphthylene	5.852	2540497	2.559 ug/ml
5) TZ Acenaphthene	5.993	3211667	1.929 ug/ml
6) TZ Fluorene	6.412	2970480	2.277 ug/ml
7) TZ Phenanthrene	7.177	2883331	2.554 ug/ml
8) TZ Anthracene	7.218	2937935	1.924 ug/ml
12) TZ Fluoranthene	8.133	3438983	2.614 ug/ml
13) TZ Pyrene	8.327	3274310	2.402 ug/ml
14) TZ Benzo[a]anthracene	9.604	2682202	2.286 ug/ml
15) TZ Chrysene	9.647	2866168	2.226 ug/ml
16) TZ Benzo[b] fluoranthene	11.097	2621453	2.583 ug/ml
17) TZ Benzo[k] fluoranthene	11.141	2596322	2.199 ug/ml
18) TZ Benzo[a] pyrene	11.585	2211317	2.059 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.333	1821277	2.275 ug/ml
20) TZ Dibenz [a,h] anthracene	13.398	2467505	3.273 ug/ml
21) TZ Benzo(g,h,i) perylene	13.728	2179569	2.150 ug/ml
22) XH c11-c22	12.565	74583549	68.249 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

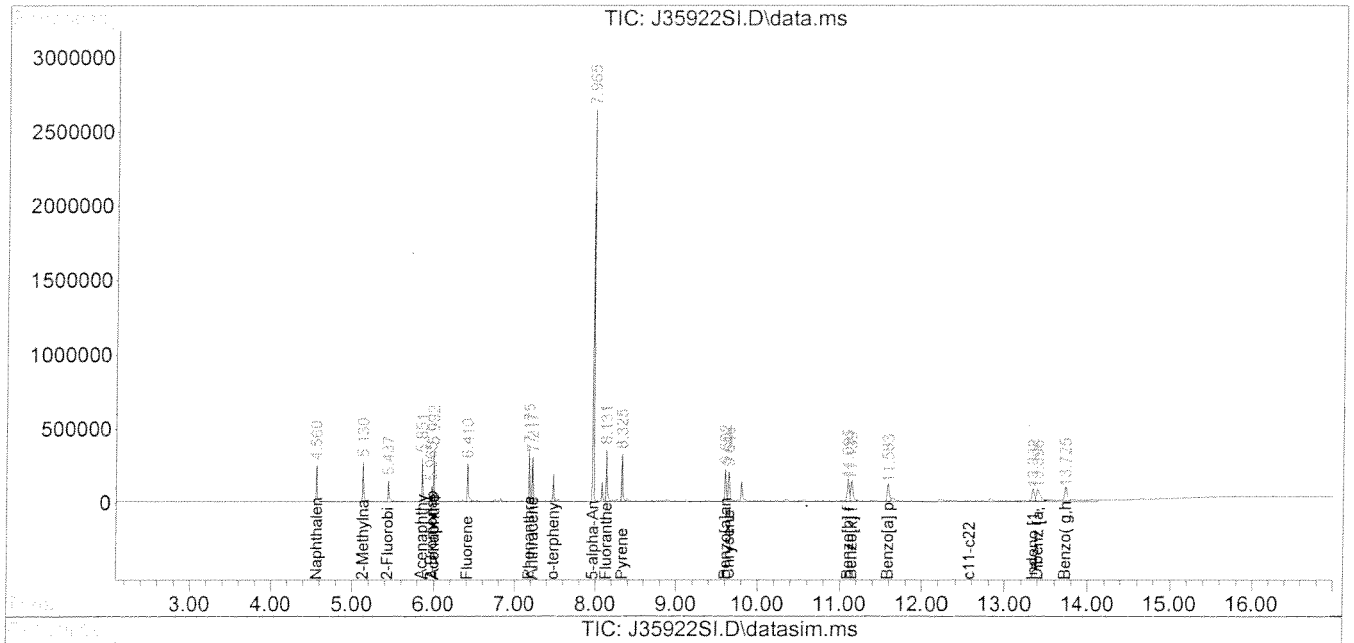
092300

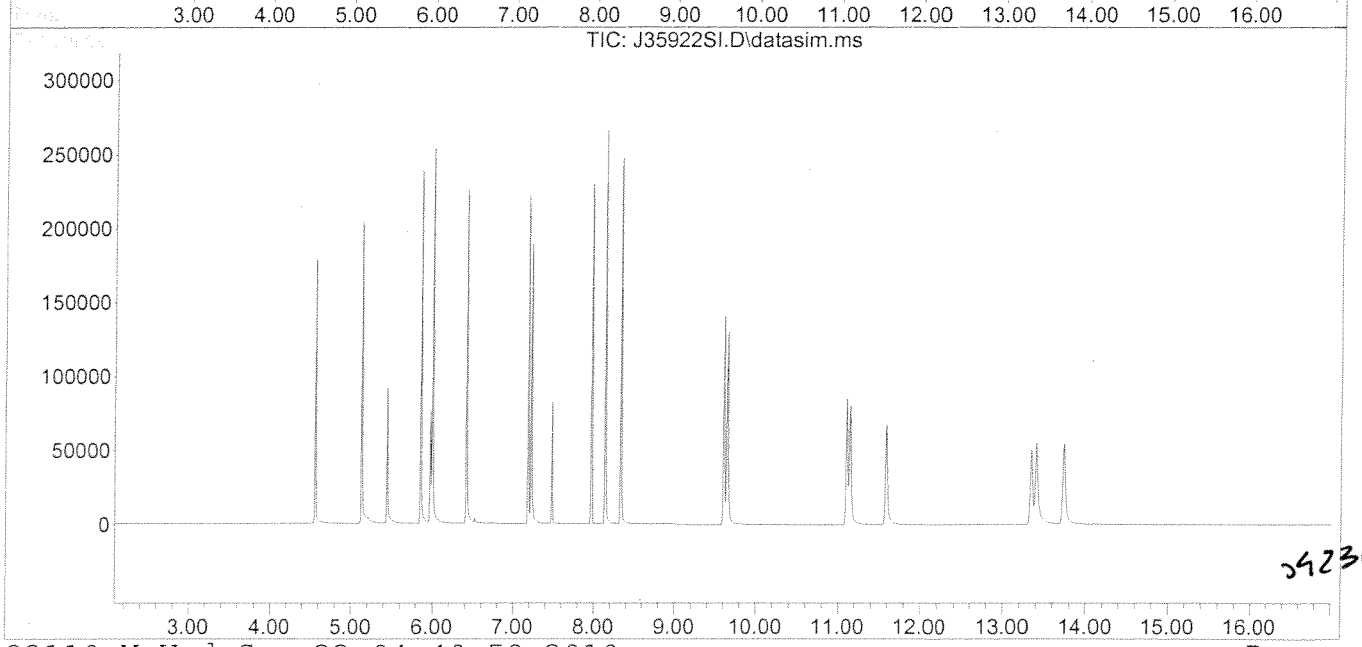
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35922SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:27 am
Operator : AR/MG
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:51 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MC
9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35923SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:50 am
Operator : AR/MG
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:52 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MO
9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	23619712	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	3890246	3.547 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	17.73%#
10) S 2-Bromonaphthalene	5.965	2987392	3.714 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	18.57%#
11) S o-terphenyl	7.480	3630266	2.405 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	12.03%#
Target Compounds			
2) TZ Naphthalene	4.561	6003017	5.713 ug/ml
3) TZ 2-Methylnaphthalene	5.131	6032519	5.367 ug/ml
4) TZ Acenaphthylene	5.852	6434922	6.293 ug/ml
5) TZ Acenaphthene	5.993	7260127	5.418 ug/ml
6) TZ Fluorene	6.410	7092714	5.552 ug/ml
7) TZ Phenanthrene	7.176	7327160	6.300 ug/ml
8) TZ Anthracene	7.217	7211768	5.572 ug/ml
12) TZ Fluoranthene	8.133	7881059	5.816 ug/ml
13) TZ Pyrene	8.327	7924744	5.643 ug/ml
14) TZ Benzo[a]anthracene	9.605	6714404	5.554 ug/ml
15) TZ Chrysene	9.649	7267978	5.480 ug/ml
16) TZ Benzo[b] fluoranthene	11.100	6104610	5.838 ug/ml
17) TZ Benzo[k] fluoranthene	11.143	6285793	5.169 ug/ml
18) TZ Benzo[a] pyrene	11.585	5619057	5.079 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.335	4535192	5.498 ug/ml
20) TZ Dibenz [a,h] anthracene	13.400	5813925	5.578 ug/ml
21) TZ Benzo(g,h,i) perylene	13.730	5660534	5.421 ug/ml
22) XH c11-c22	12.565	140051758	124.408 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

J92310

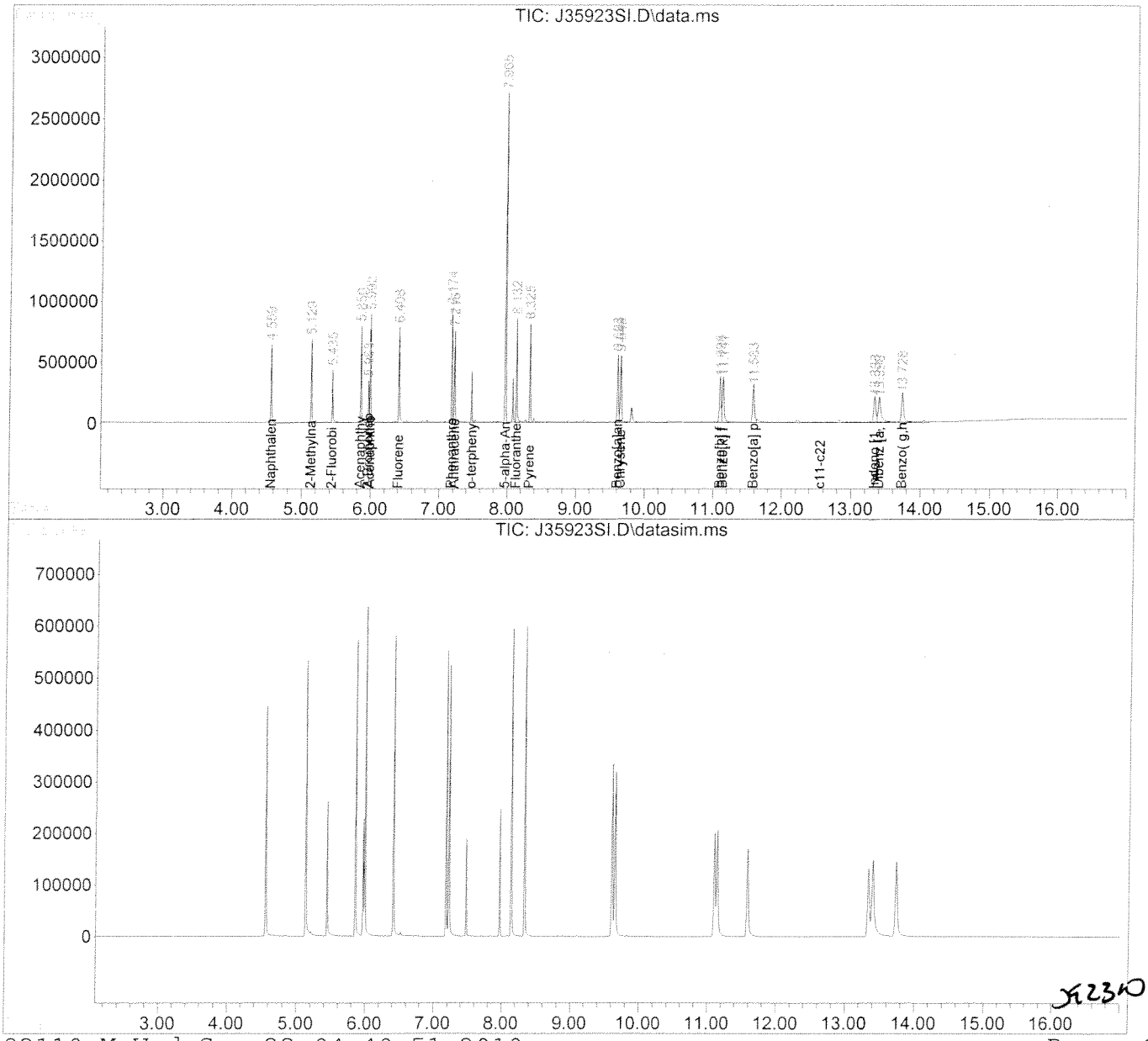
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35923SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:50 am
Operator : AR/MG
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:52 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



JL2310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35924SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:13 am
Operator : AR/MG
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:53 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MW
9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	24272930	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	7402116	6.567 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	32.84%#
10) S 2-Bromonaphthalene	5.965	5826205	7.049 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	35.25%#
11) S o-terphenyl	7.480	6630919	4.275 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	21.38%#
Target Compounds			
2) TZ Naphthalene	4.561	11434307	10.857 ug/ml
3) TZ 2-Methylnaphthalene	5.131	11718803	10.564 ug/ml
4) TZ Acenaphthylene	5.852	12092552	11.507 ug/ml
5) TZ Acenaphthene	5.994	13269136	10.546 ug/ml
6) TZ Fluorene	6.410	13067103	10.252 ug/ml
7) TZ Phenanthrene	7.177	13845791	11.585 ug/ml
8) TZ Anthracene	7.218	12947128	10.392 ug/ml
12) TZ Fluoranthene	8.134	15251514	10.952 ug/ml
13) TZ Pyrene	8.328	15495917	10.738 ug/ml
14) TZ Benzo[a]anthracene	9.606	13168752	10.600 ug/ml
15) TZ Chrysene	9.651	13946771	10.232 ug/ml
16) TZ Benzo[b] fluoranthene	11.105	11706931	10.894 ug/ml
17) TZ Benzo[k] fluoranthene	11.147	12254007	9.805 ug/ml
18) TZ Benzo[a] pyrene	11.587	11835748	10.410 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.340	9055590	10.683 ug/ml
20) TZ Dibenz [a,h] anthracene	13.405	11167273	9.270 ug/ml
21) TZ Benzo(g,h,i) perylene	13.739	10792220	10.057 ug/ml
22) XH c11-c22	12.565	245778819	212.450 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

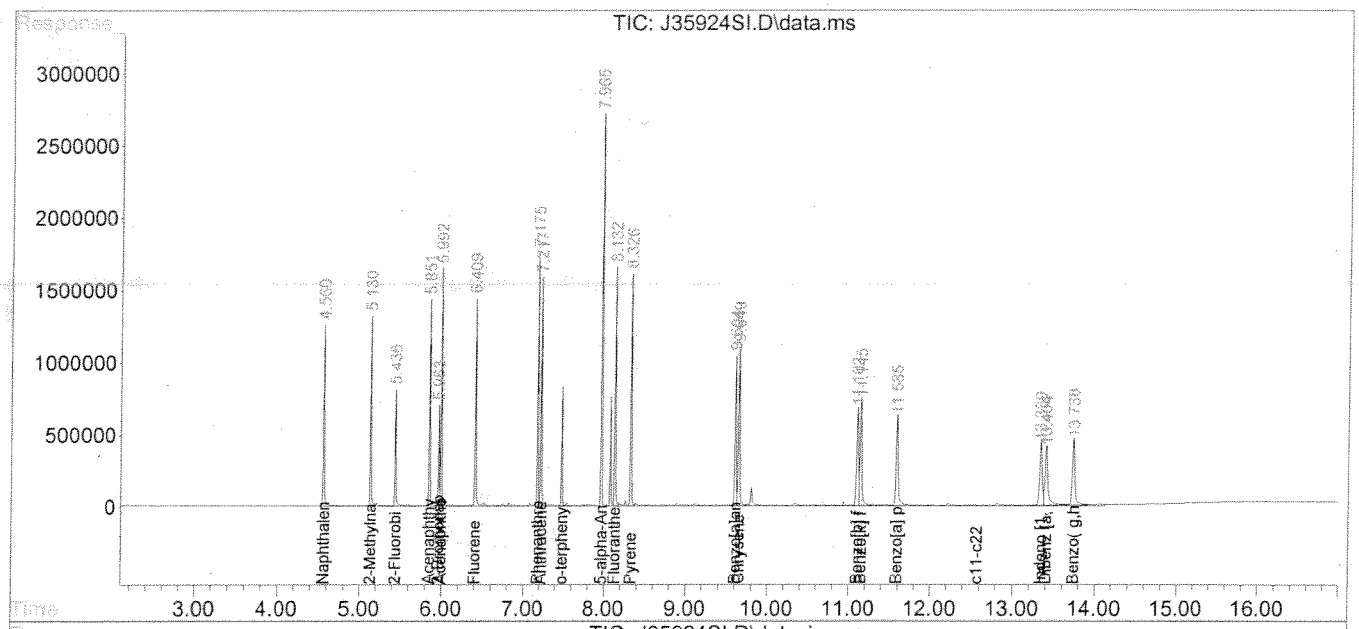
09230

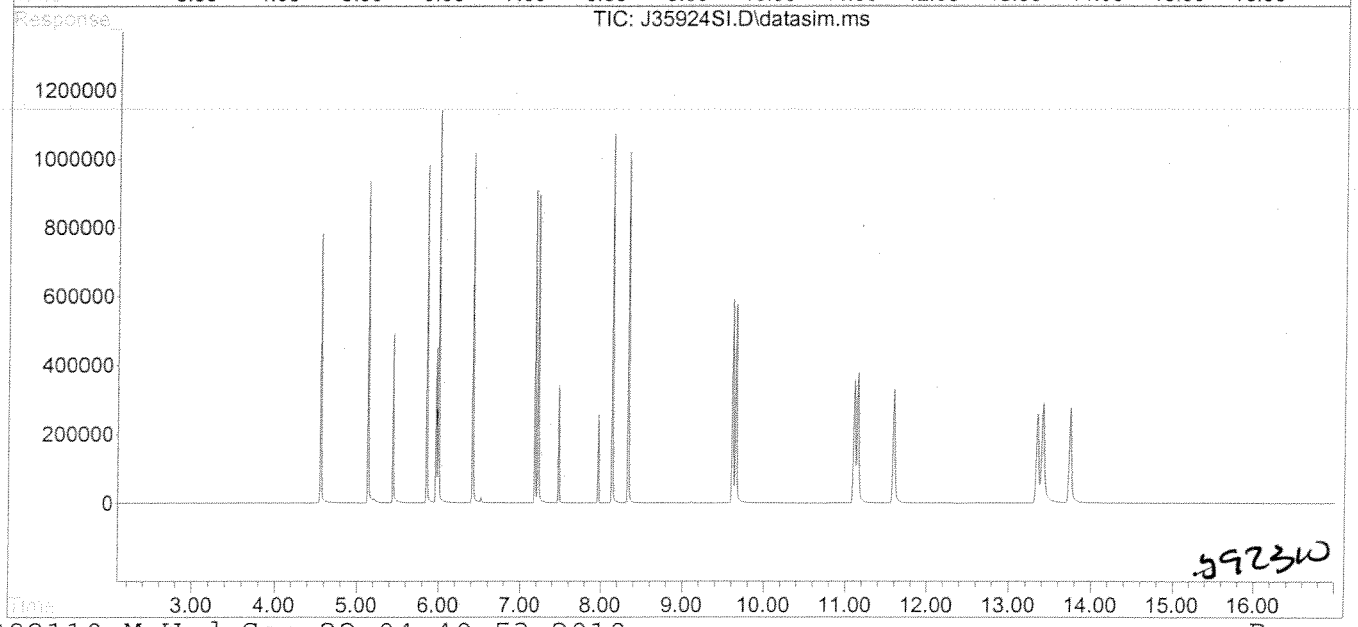
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35924SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:13 am
Operator : AR/MG
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:53 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MK 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35925SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:36 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:54 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	22239308	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	13990831	13.547 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	67.73%
10) S 2-Bromonaphthalene	5.966	10895639	14.387 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	71.94%
11) S o-terphenyl	7.481	11763151	8.277 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	41.38%
Target Compounds			
2) TZ Naphthalene	4.562	21150914	23.033 ug/ml
3) TZ 2-Methylnaphthalene	5.132	21485348	22.323 ug/ml
4) TZ Acenaphthylene	5.854	22074718	22.927 ug/ml
5) TZ Acenaphthene	5.996	23694675	22.303 ug/ml
6) TZ Fluorene	6.412	24214128	21.814 ug/ml
7) TZ Phenanthrene	7.178	25067464	22.893 ug/ml
8) TZ Anthracene	7.220	23916772	22.493 ug/ml
12) TZ Fluoranthene	8.136	27069855	21.216 ug/ml
13) TZ Pyrene	8.331	27809253	21.032 ug/ml
14) TZ Benzo[a]anthracene	9.611	23985225	21.072 ug/ml
15) TZ Chrysene	9.657	24893029	19.933 ug/ml
16) TZ Benzo[b] fluoranthene	11.112	21554912	21.893 ug/ml
17) TZ Benzo[k] fluoranthene	11.158	21529007	18.802 ug/ml
18) TZ Benzo[a] pyrene	11.598	21559022	20.695 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.353	17089347	22.004 ug/ml
20) TZ Dibenz [a,h] anthracene	13.417	19263048	16.811 ug/ml
21) TZ Benzo(g,h,i) perylene	13.758	19389804	19.721 ug/ml
22) XH c11-c22	12.565	430746626	406.383 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

092310

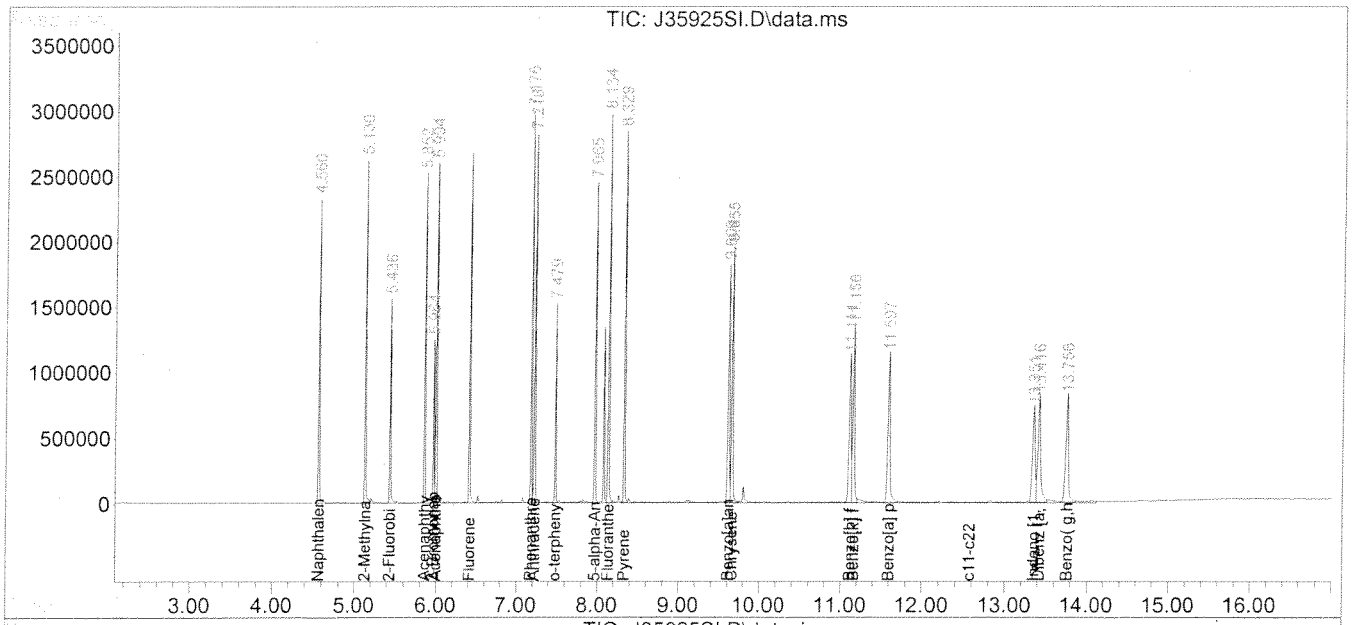
Quantitation Report (Not Reviewed)

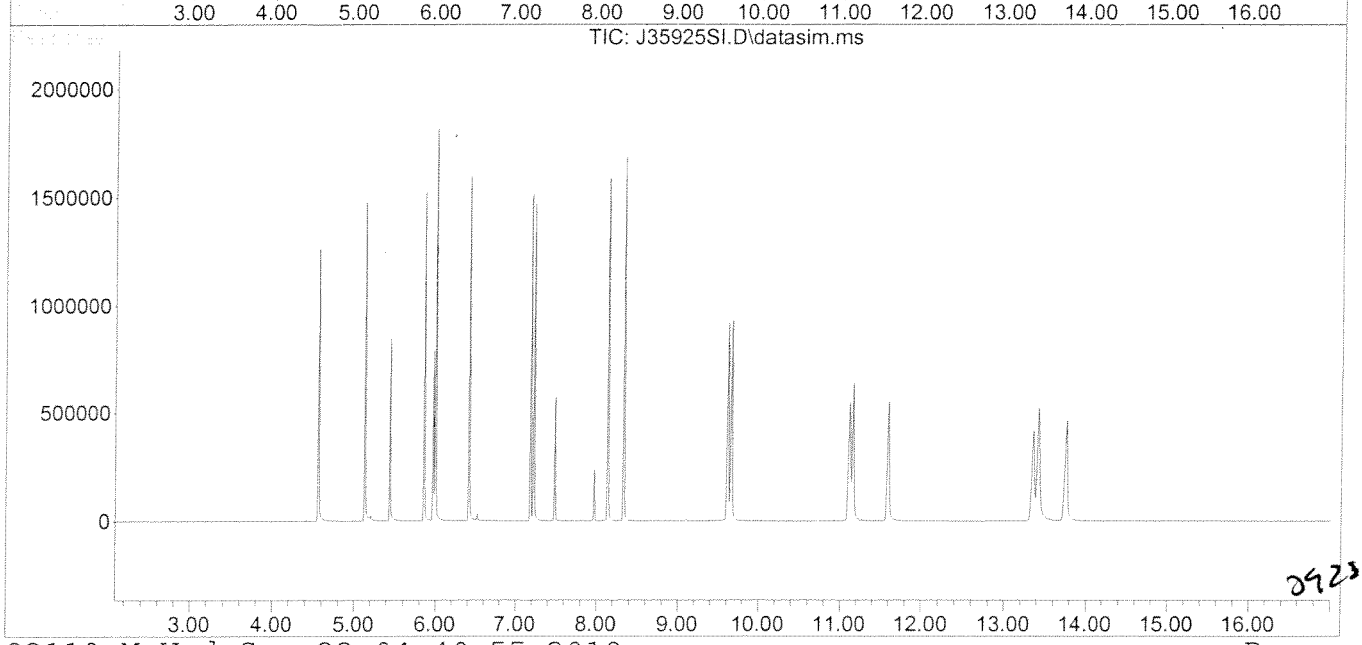
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35925SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:36 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:54 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:36:41 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

PN 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	24150972	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.440	31944490	28.483 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	142.41%#
10) S 2-Bromonaphthalene	5.969	26493029	32.213 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	161.07%#
11) S o-terphenyl	7.483	27966431	18.120 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	90.60%
Target Compounds			
2) TZ Naphthalene	4.565	47545610	54.316 ug/ml
3) TZ 2-Methylnaphthalene	5.135	47531094	51.156 ug/ml
4) TZ Acenaphthylene	5.859	49972071	47.793 ug/ml
5) TZ Acenaphthene	6.002	52499297	51.490 ug/ml
6) TZ Fluorene	6.416	54594573	51.124 ug/ml
7) TZ Phenanthrene	7.183	55294539	46.500 ug/ml
8) TZ Anthracene	7.227	51409190	49.523 ug/ml
12) TZ Fluoranthene	8.143	58294513	42.071 ug/ml
13) TZ Pyrene	8.339	61718090	42.983 ug/ml
14) TZ Benzo[a]anthracene	9.622	56893507	46.027 ug/ml
15) TZ Chrysene	9.673	56713061	41.818 ug/ml
16) TZ Benzo[b] fluoranthene	11.128	52406913	49.016 ug/ml
17) TZ Benzo[k] fluoranthene	11.183	51978498	41.802 ug/ml
18) TZ Benzo[a] pyrene	11.620	50661259	44.782 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.383	44171342	52.373 ug/ml
20) TZ Dibenz [a,h] anthracene	13.449	45470375	40.796 ug/mlm
21) TZ Benzo(g,h,i) perylene	13.795	48542566	45.465 ug/ml
22) XH c11-c22	12.565	964214026	837.671 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

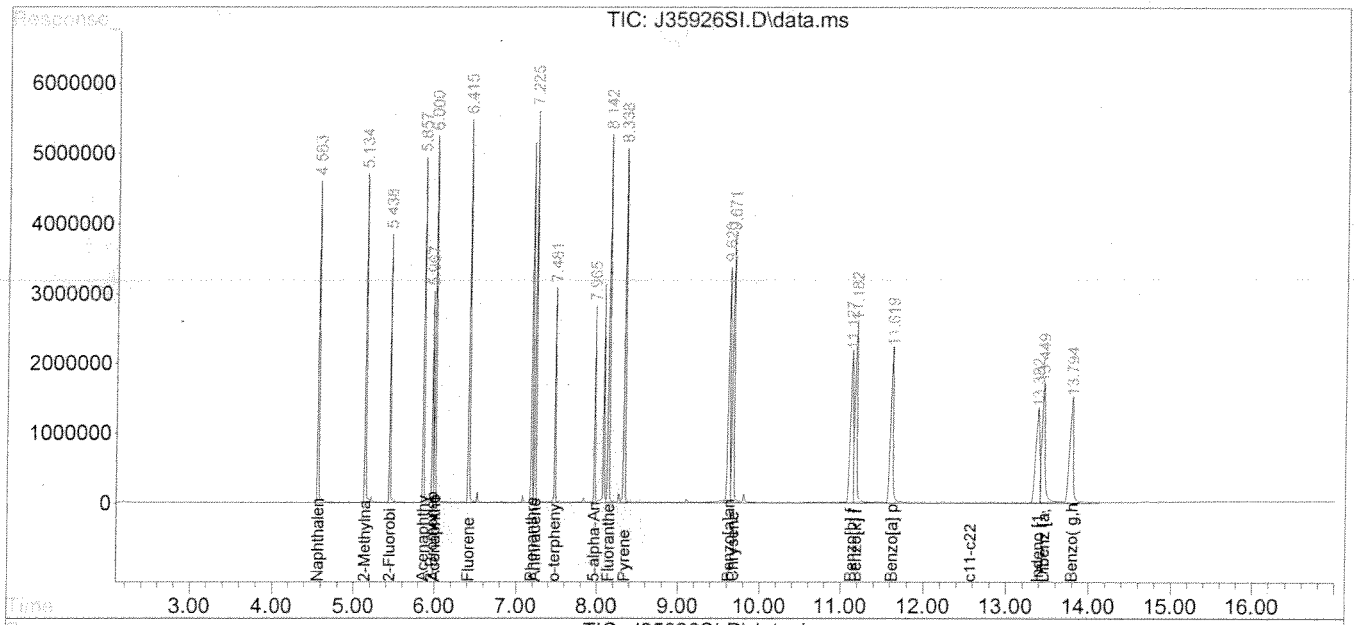
592310

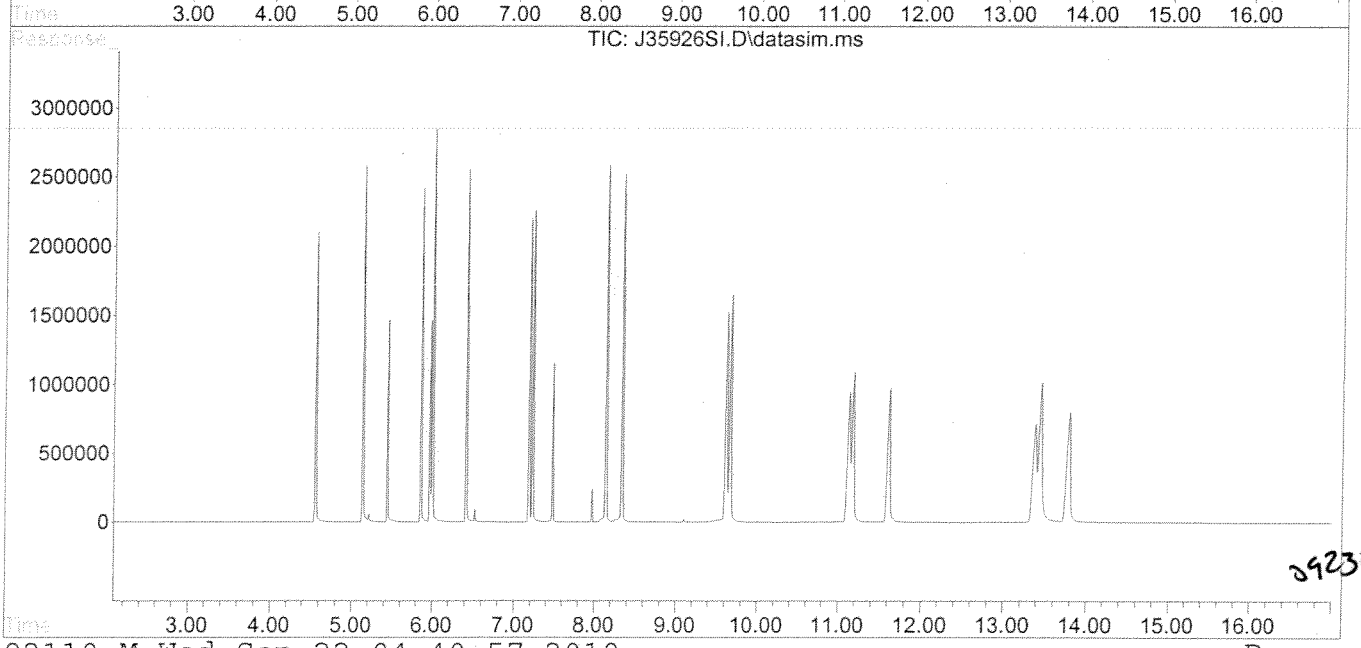
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:36:41 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





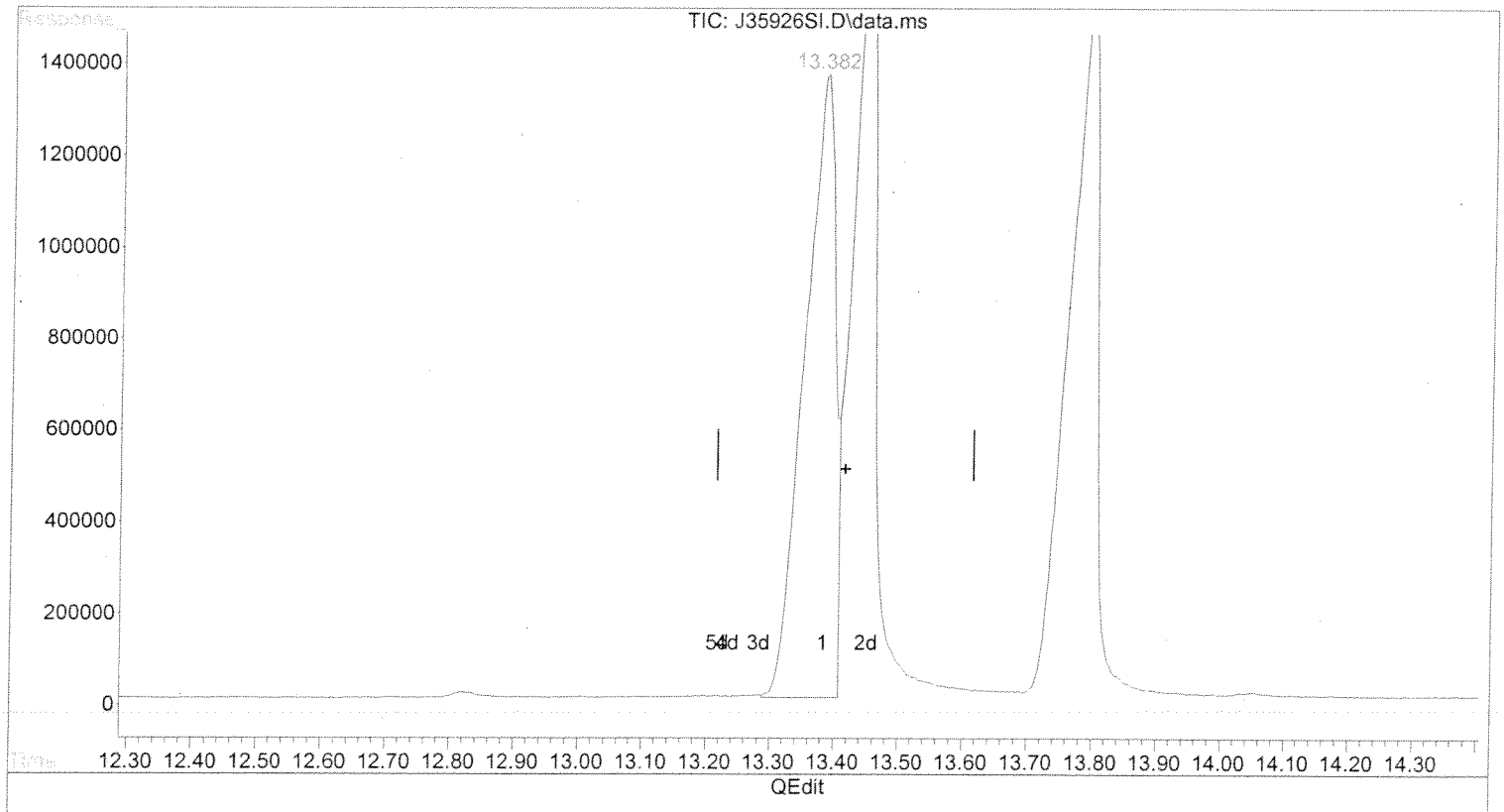
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:55 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MW
9/23/10
WP

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) Dibenz [a,h] anthracene (TZ)
13.383min 39.225ug/ml
response 44171342

JG23W

(+) = Expected Retention Time

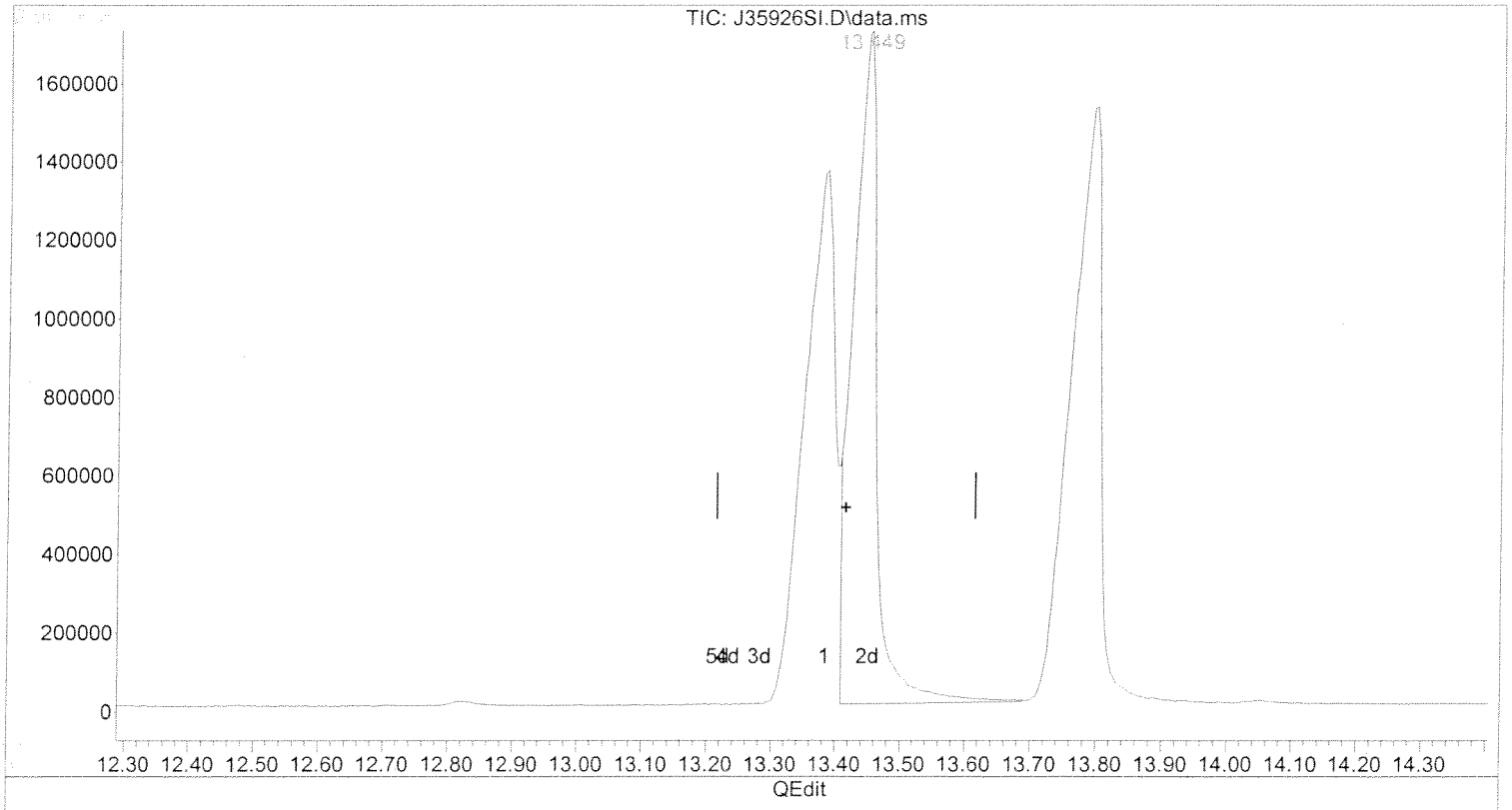
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:55 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MW 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) Dibenz [a,h] anthracene (TZ)
13.449min 40.796ug/ml m
response 45470375

J92340

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:39:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MC
9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	22218719	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.441	48429976	46.938 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery = 234.69%#	
10) S 2-Bromonaphthalene	5.973	40541337	53.582 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery = 267.91%#	
11) S o-terphenyl	7.485	42043889	29.610 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery = 148.05%#	
Target Compounds			
2) TZ Naphthalene	4.568	70243714	135.171 ug/ml
3) TZ 2-Methylnaphthalene	5.139	70541626	107.468 ug/ml
4) TZ Acenaphthylene	5.862	74900709	77.865 ug/ml
5) TZ Acenaphthene	6.006	77685490	102.502 ug/ml
6) TZ Fluorene	6.422	80819943	109.418 ug/ml
7) TZ Phenanthrene	7.189	80996251	74.038 ug/ml
8) TZ Anthracene	7.233	76693076	97.005 ug/ml
12) TZ Fluoranthene	8.150	90771423	71.206 ug/ml
13) TZ Pyrene	8.346	94058473	71.203 ug/ml
14) TZ Benzo[a]anthracene	9.632	90331607	79.434 ug/ml
15) TZ Chrysene	9.685	86298178	69.167 ug/mlm
16) TZ Benzo[b] fluoranthene	11.142	87737474	89.196 ug/ml
17) TZ Benzo[k] fluoranthene	11.204	79552756	69.542 ug/mlm
18) TZ Benzo[a] pyrene	11.641	83723190	80.443 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.435	86593327	111.601 ug/mlm
20) TZ Dibenz [a,h] anthracene	13.477	55014208	64.495 ug/mlm
21) TZ Benzo(g,h,i) perylene	13.824	74420278	75.763 ug/ml
22) XH c11-c22	12.565	1476782142	1394.544 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

09 7310

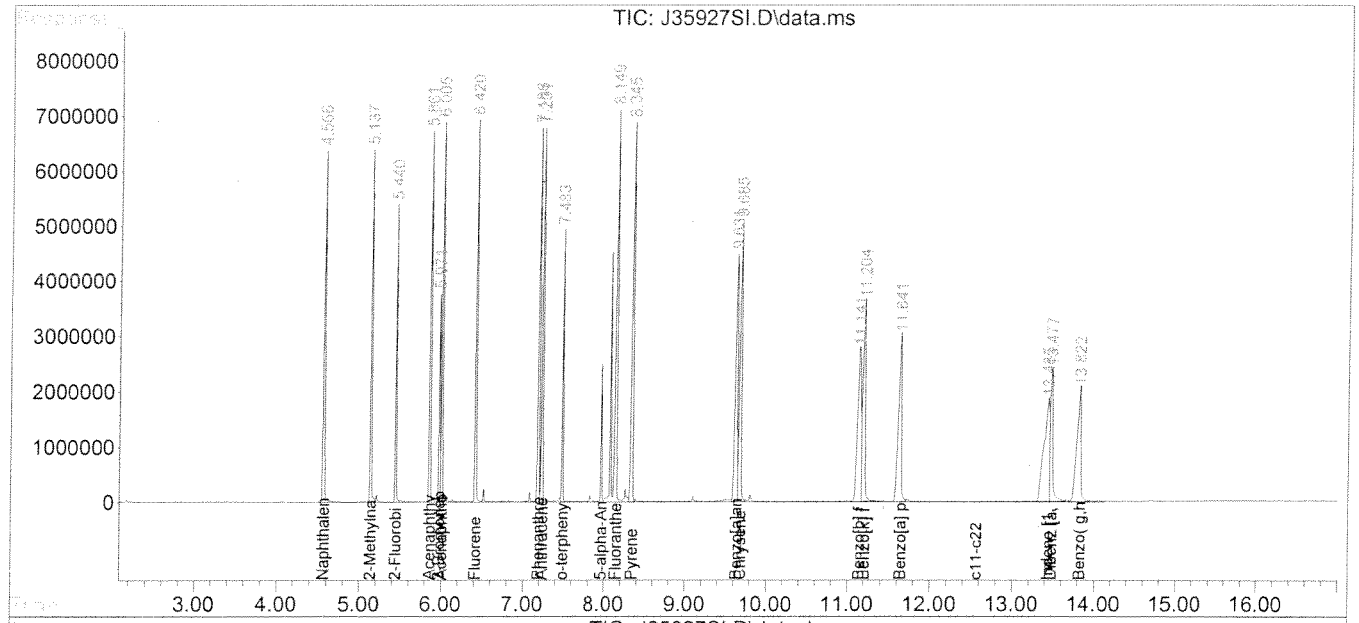
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:39:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MW 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



J92310

Quantitation Report (Qedit)

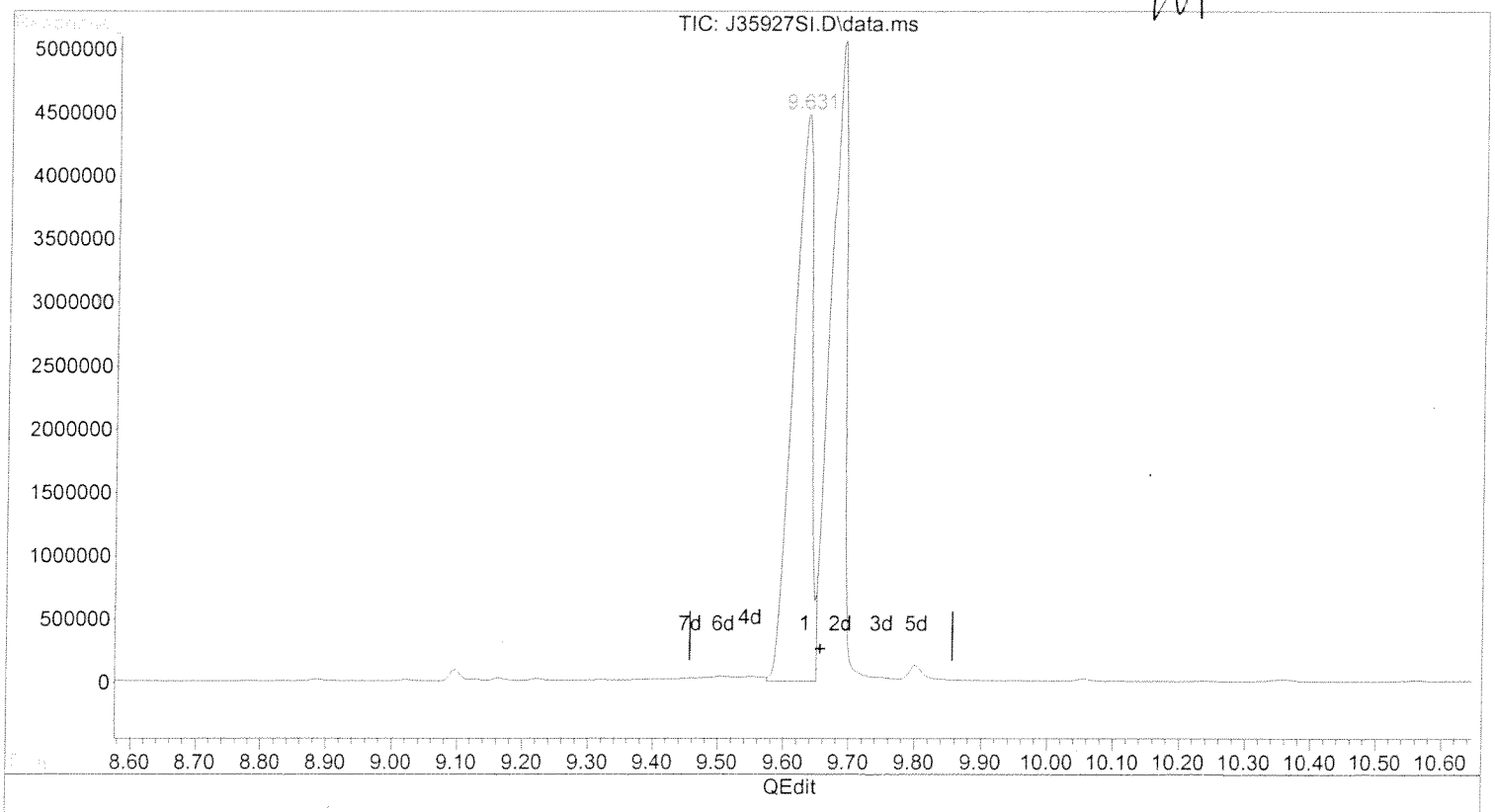
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

AK 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

WP



(15) Chrysene (TZ)
9.632min 72.400ug/ml
response 90331607

J 92310

(+) = Expected Retention Time

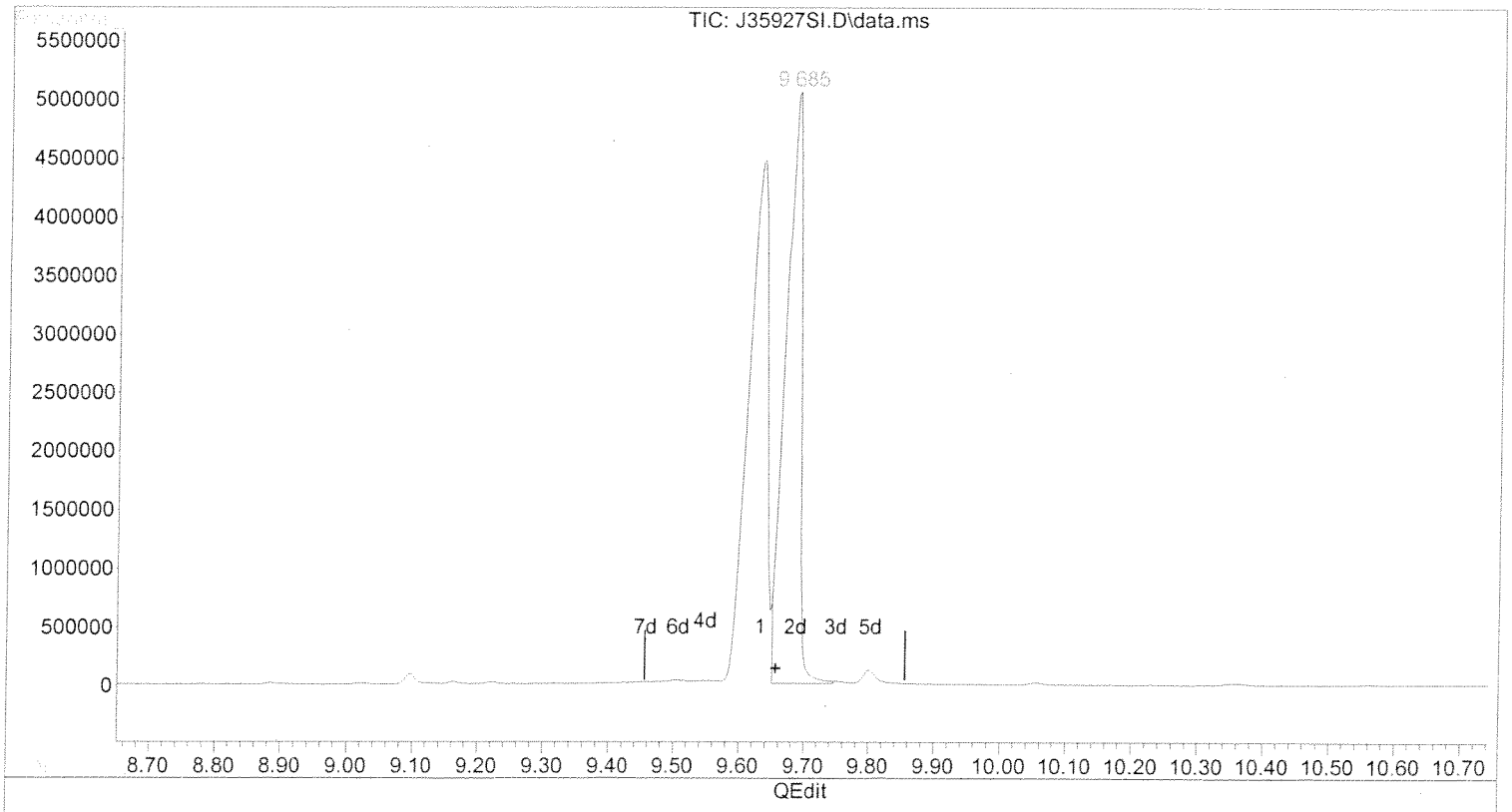
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

OK 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) Chrysene (TZ)
9.685min 69.167ug/ml m
response 86298178

J9231W

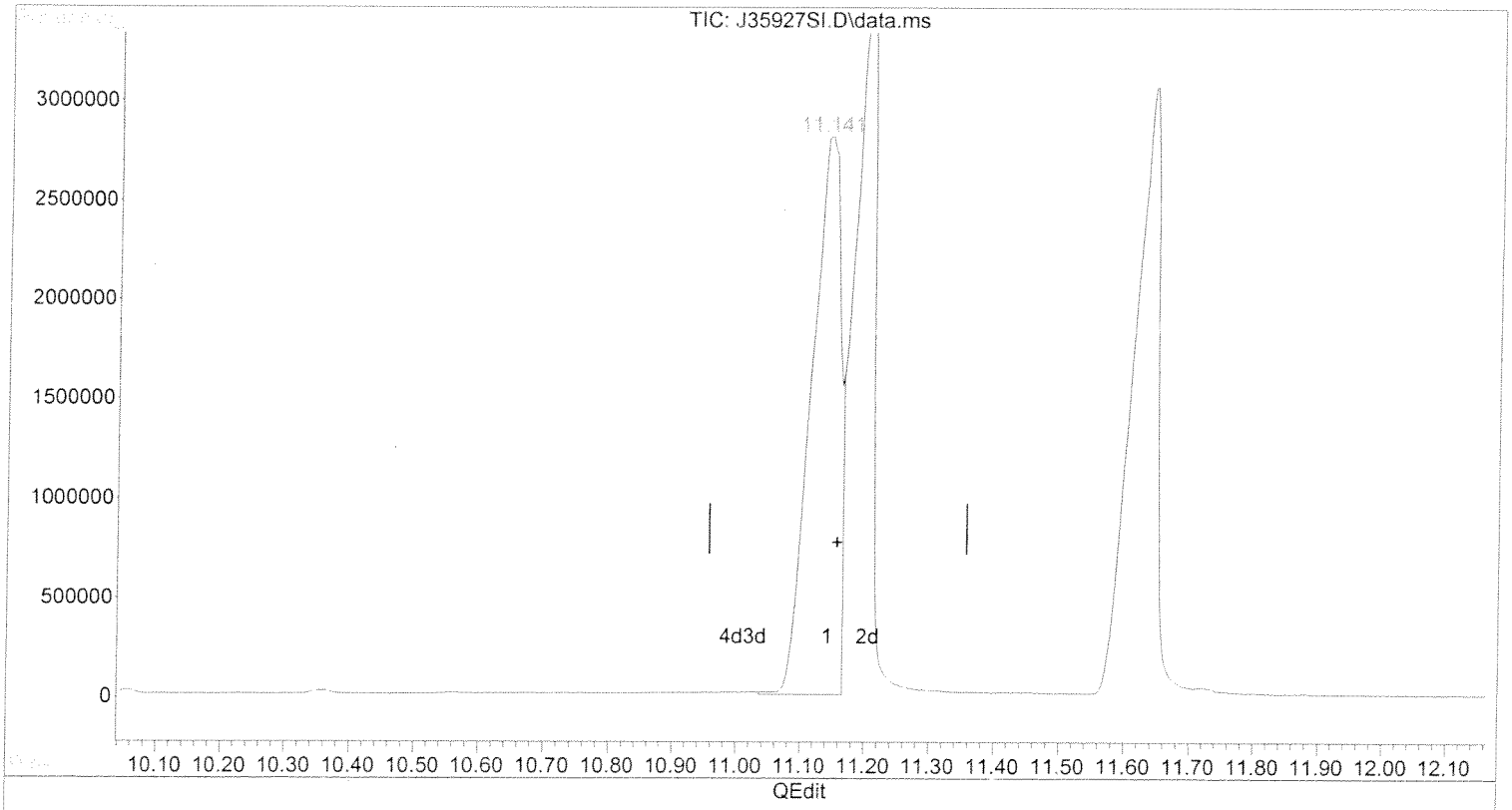
(+) = Expected Retention Time

Quantitation Report (QEdit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) Benzo[k] fluoranthene (TZ)
11.142min 76.697ug/ml
response 87737474

(+) = Expected Retention Time

ARG092110.M Wed Sep 22 04:37:38 2010 Page: 1

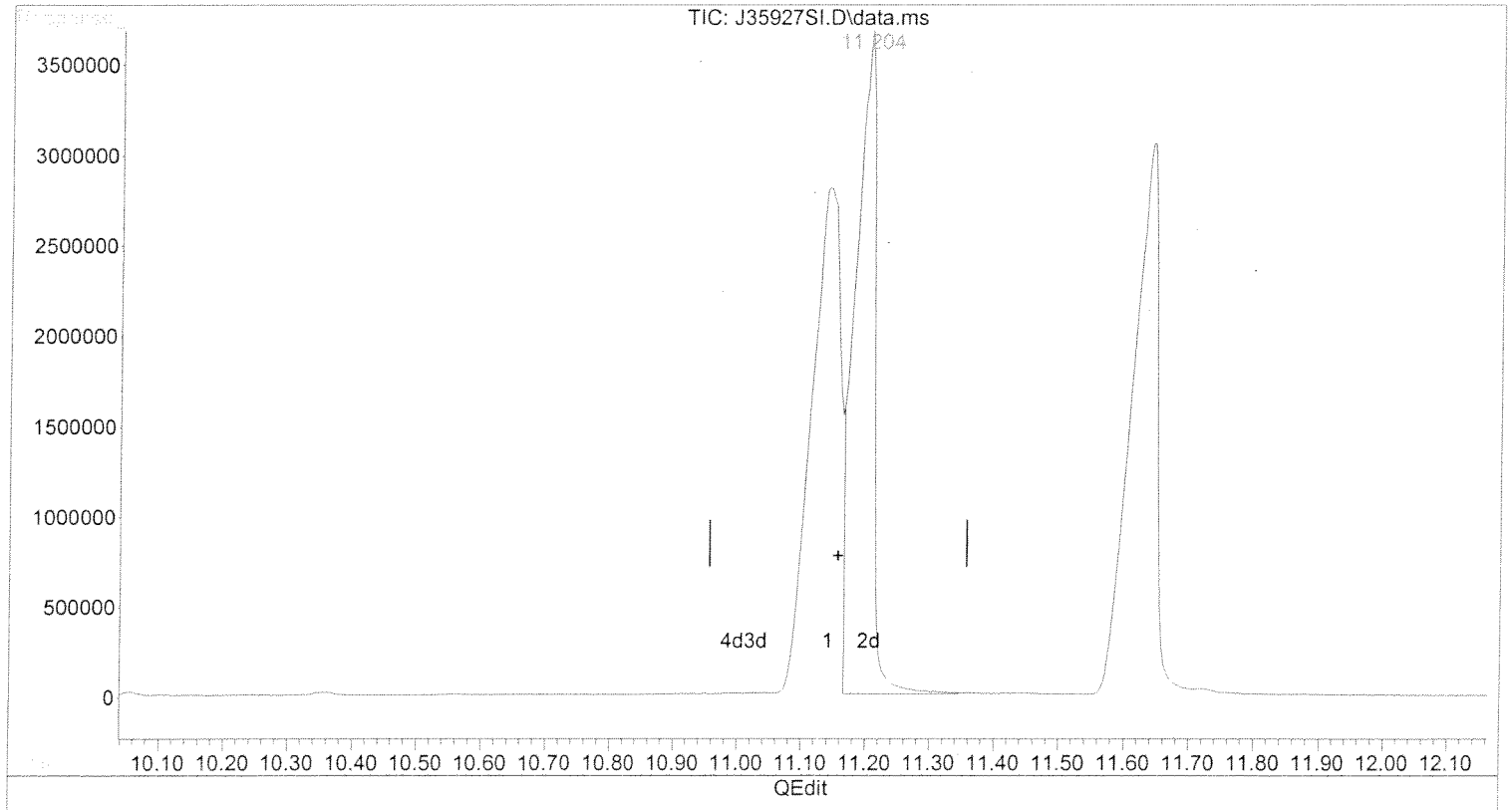
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

PM 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) Benzo[k] fluoranthene (TZ)
11.204min 69.542ug/ml m
response 79552756

J92310

(+) = Expected Retention Time

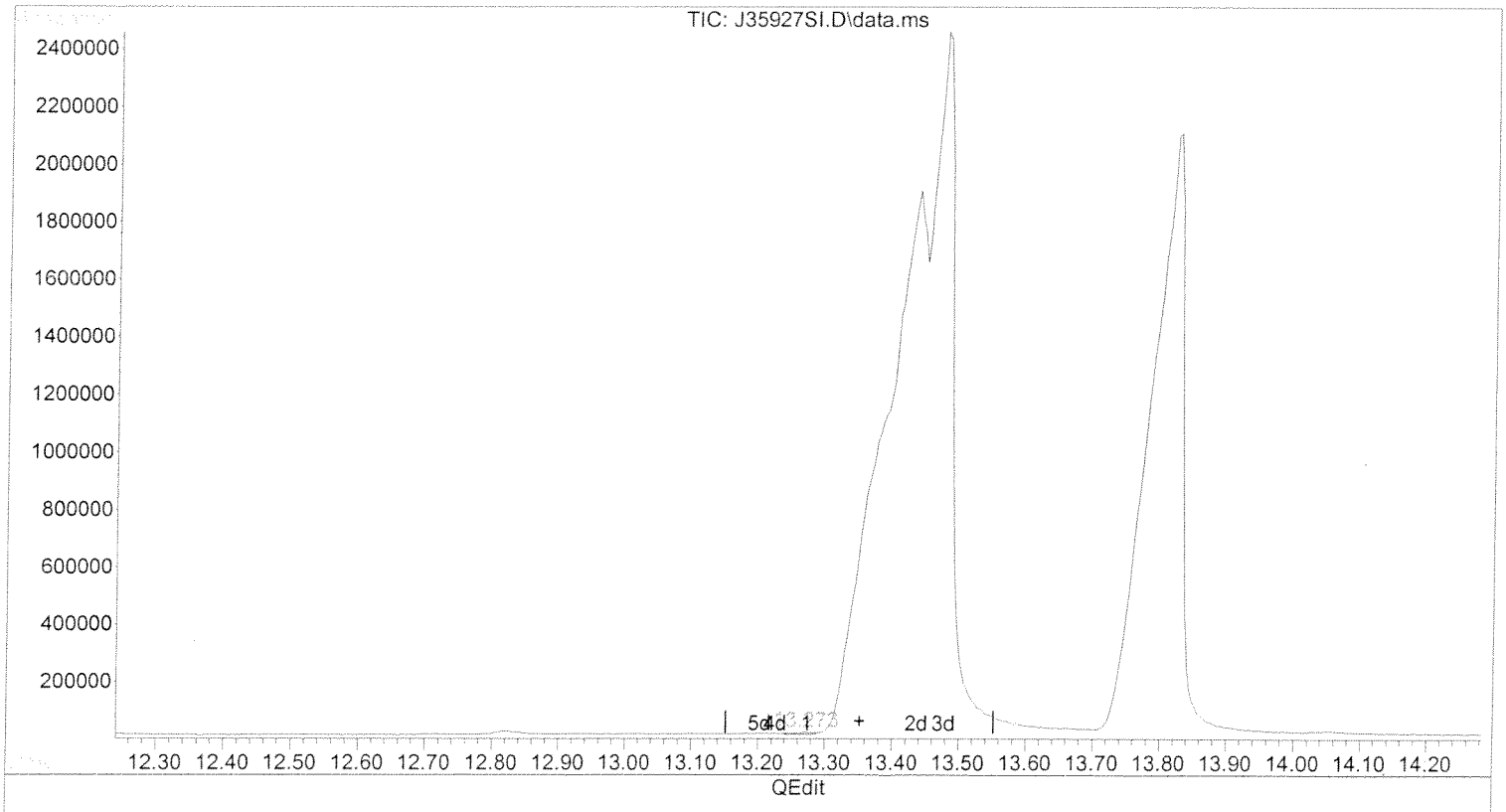
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

PM 9/23/10 MP

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) Indeno [1,2,3-cd] pyrene (TZ)
13.275min 0.185ug/ml
response 143244

092215

(+) = Expected Retention Time

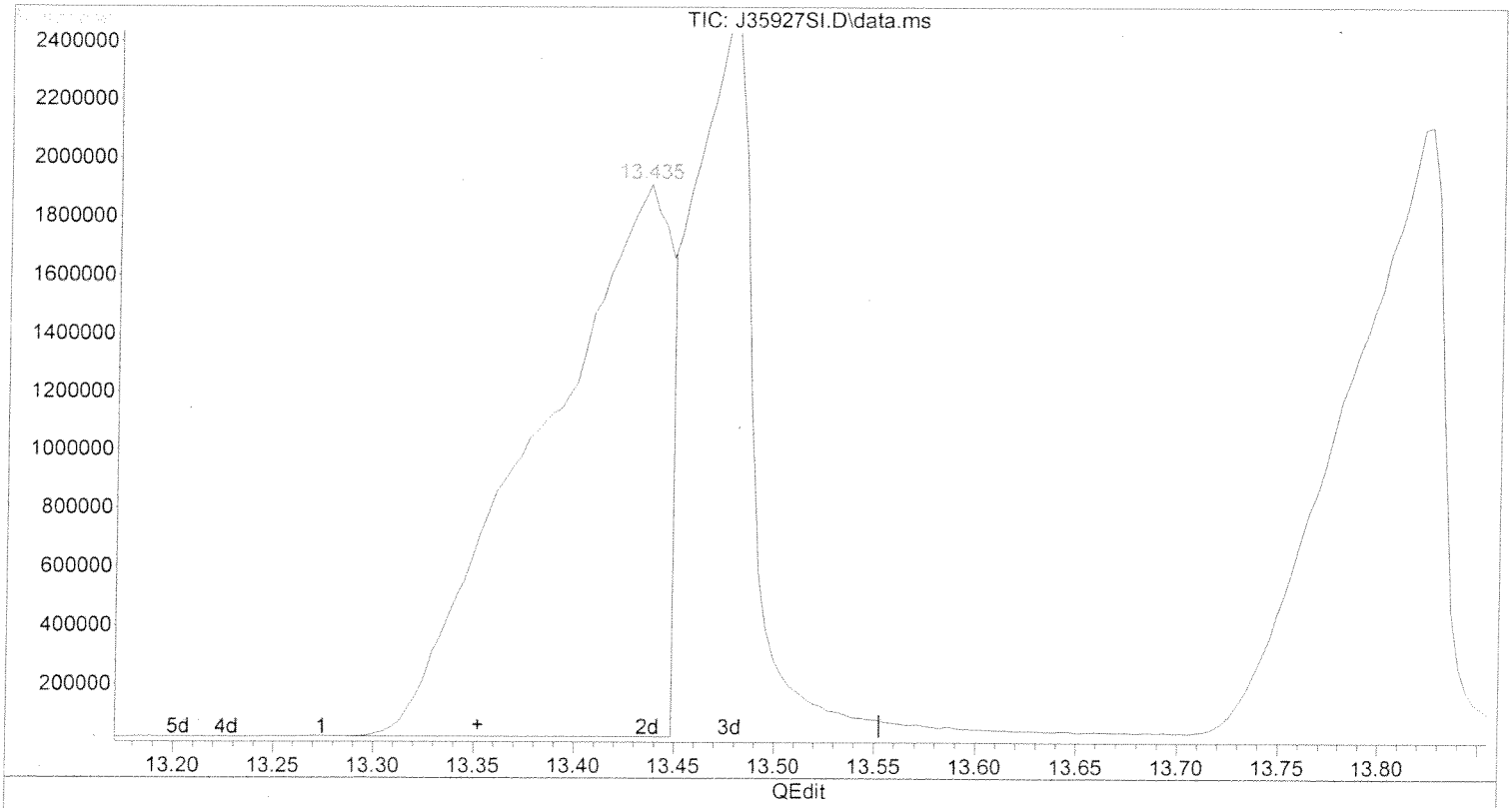
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MK
9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) Indeno [1,2,3-cd] pyrene (TZ)
13.435min 111.601ug/ml m
response 86593327

092310

(+) = Expected Retention Time

Quantitation Report (Qedit)

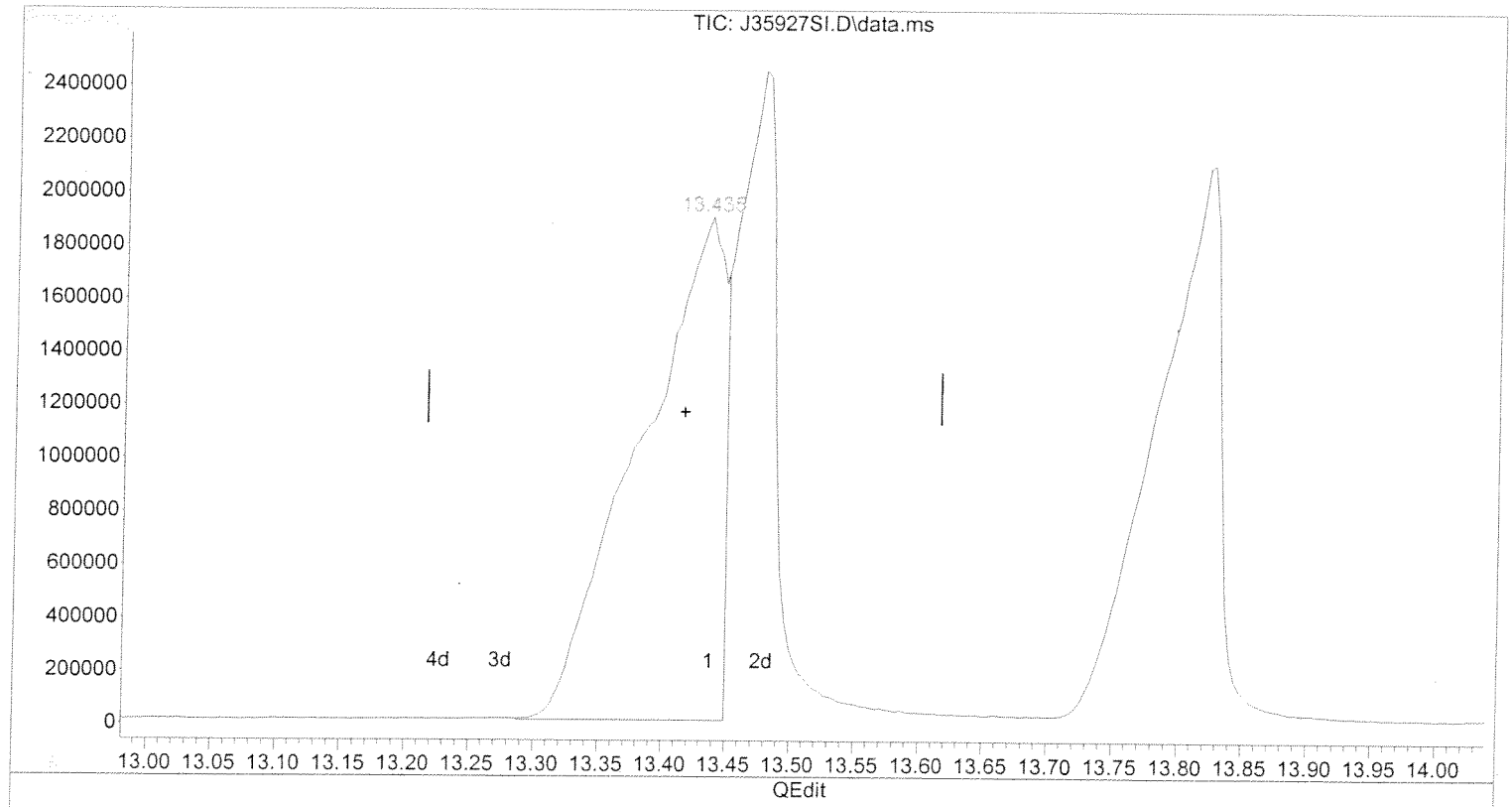
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MR 9/23/10

NP

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) Dibenz [a,h] anthracene (TZ)
13.437min -20.000ug/ml
response 83831410

J92310

(+) = Expected Retention Time

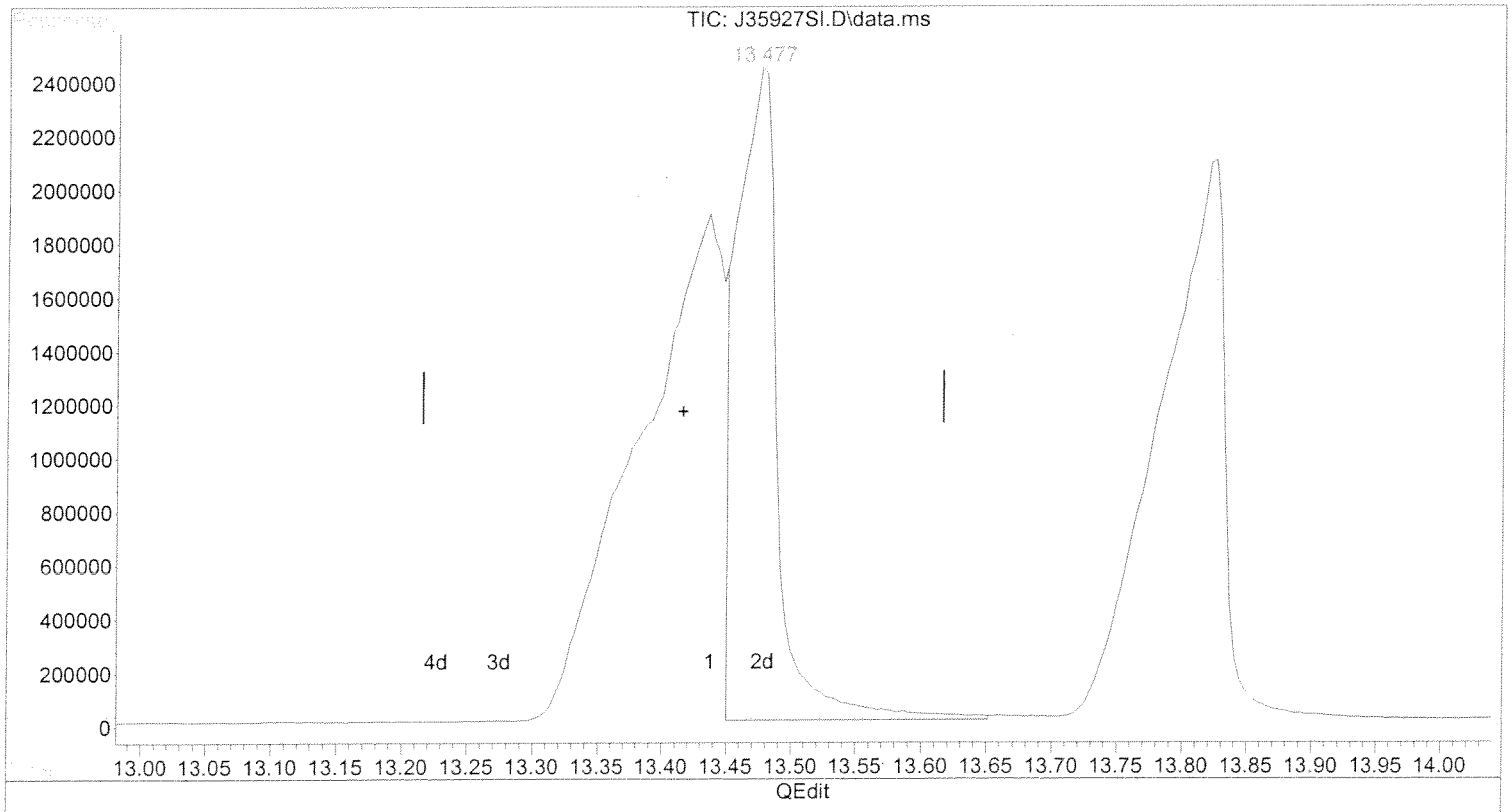
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) Dibenz [a,h] anthracene (TZ)
13.477min 64.495ug/ml m
response 55014208

092310

(+) = Expected Retention Time

MV 9/23/10

GC AROMATIC 2ND SOURCE CHECK

Data File Name J35928.D
Sample Name S9716 ARO 20 ICV
Date Acquired 9/22/2010 3:45

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.46	20	107%	OK	21.46		
2-Methylnaphthalene	21.56	20	108%	OK	21.56		
Acenaphthylene	21.17	20	106%	OK	21.17		
Acenaphthene	21.39	20	107%	OK	21.39		
Fluorene	20.86	20	104%	OK	20.86		
Phenanthrene	21.30	20	106%	OK	21.30		
Anthracene	21.91	20	110%	OK	21.91		
Fluoranthene	21.69	20	108%	OK	21.69		
Pyrene	20.58	20	103%	OK	20.58		
Benzo[a]anthracene	19.20	20	96%	OK	19.20		
Chrysene	20.15	20	101%	OK	20.15		
Benzo[b] fluoranthene	18.40	20	92%	OK	18.40		
Benzo[k] fluoranthene	19.22	20	96%	OK	19.22		
Benzo[a] pyrene	20.16	20	101%	OK	20.16		
Indeno [1,2,3-cd] pyrene	18.29	20	91%	OK	18.29		
Dibenz [a,h] anthracene	18.00	20	90%	OK	18.00		
Benzo(g,h,i) perylene	18.60	20	93%	OK	18.60		
c11-c22		340			**343.92**	101%	OK
o-terphenyl	20.23	20	101%	OK			

J92310

9/22/2010 4:49 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG ICV SUMPRCT.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35928.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:45 am
Operator : AR/MG
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:48:48 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

MC 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	23240829	20.000 ug/ml
System Monitoring Compounds			
10) S 2-Bromonaphthalene	5.995	25056204	28.485 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	142.43%#
11) S o-terphenyl	7.483	27227951	20.234 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	101.17%
Target Compounds			
2) TZ Naphthalene	4.564	22461345	21.455 ug/ml
3) TZ 2-Methylnaphthalene	5.132	22697986	21.560 ug/ml
4) TZ Acenaphthylene	5.855	23227785	21.166 ug/ml
5) TZ Acenaphthene	5.995	25056204	21.388 ug/ml
6) TZ Fluorene	6.413	25148239	20.864 ug/ml
7) TZ Phenanthrene	7.178	26282001	21.299 ug/ml
8) TZ Anthracene	7.221	25219594	21.910 ug/ml
12) TZ Fluoranthene	8.137	28135909	21.688 ug/ml
13) TZ Pyrene	8.331	28136529	20.580 ug/ml
14) TZ Benzo[a]anthracene	9.610	23146635	19.196 ug/ml
15) TZ Chrysene	9.656	25115947	20.146 ug/ml
16) TZ Benzo[b] fluoranthene	11.111	20555994	18.399 ug/ml
17) TZ Benzo[k] fluoranthene	11.156	21517038	19.222 ug/ml
18) TZ Benzo[a] pyrene	11.597	21292990	20.161 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.353	16250518	18.288 ug/ml
20) TZ Dibenz [a,h] anthracene	13.416	18882717	17.998 ug/ml
21) TZ Benzo(g,h,i) perylene	13.754	18532337	18.601 ug/ml
22) XH c11-c22	12.565	424205197	370.225 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

092310

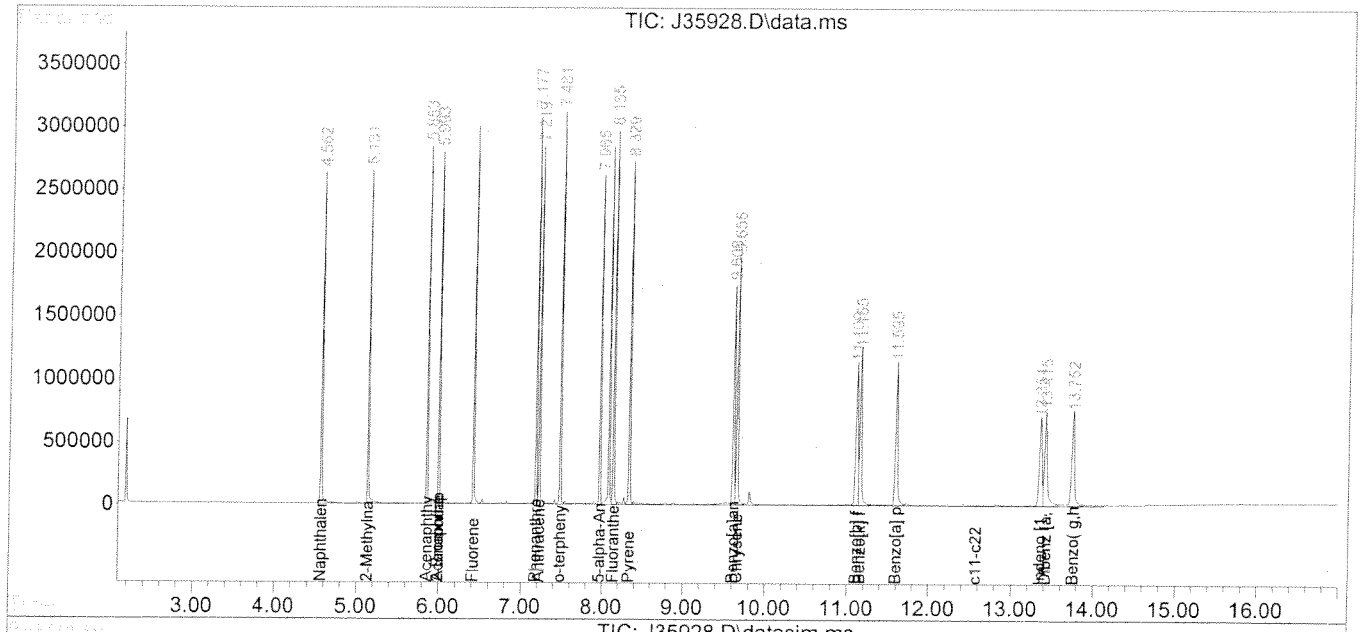
Quantitation Report (Not Reviewed)

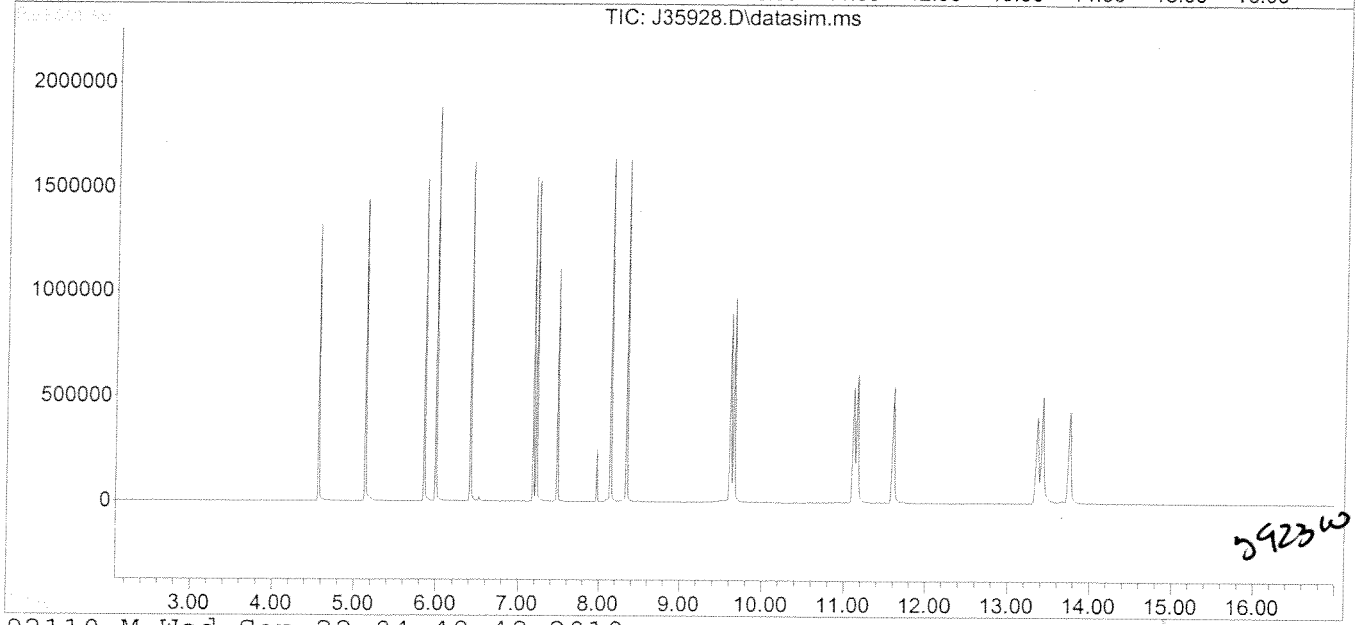
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35928.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:45 am
Operator : AR/MG
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:48:48 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J923w

EPH WINDOW CHECKLIST

SEQUENCE: 092110-J

ANALYST: [illegible]

WINDOW: 2

ALI_____ ARO ✓

	MS	GC
TUNE	✓	NA
INITIAL CALIBRATION	N/A	N/A
OPENING STANDARD	✓	✓
HEXANE W/IS	✓	✓
METHOD BLANK	✓	✓
LCS/LCSD	✓	N/A
ARO BREAKTHROUGH CHK	✓	NA
MS/MSD	✓	N/A
CLOSING STANDARD	✓	✓
QA/QC	✓	✓

COMMENTS:

1 Copy

67833

EPHCHK.XLS

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71746SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	41.2	3.0	
C-10	40.7	1.8	
C-12	40.3	0.7	
C-14	38.0	4.9	
C-16	36.9	7.8	
C-18	39.0	2.6	
C-19	37.0	7.6	
C-20	38.4	4.1	
1-Chlorooctadecane	15.8	1.3	
C-22	37.6	6.1	
C-24	38.0	5.1	
C-26	38.1	4.8	
C-28	38.5	3.7	
C-30	39.4	1.5	
C-36	39.6	0.9	

C9-C18 Aliphatics	236.1	1.6	
C19-C36 Aliphatics	306.5	4.2	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/22/10

9/22/10

EPH ALI FORM 7

Data File : D:\HPCHEM\1\DATA\092010-D\D71746SC.D Vial: 2
Acq On : 21 Sep 2010 4:40 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5617972	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	5444981	15.794 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	78.97%
Target Compounds			
2) TZM C-9	4.01	14372333	41.199 ug/ml
3) TZM C-10	5.00	14530694	40.730 ug/ml
4) TZM C-12	6.48	15438223	40.296 ug/ml
5) TZM C-14	7.66	14943738	38.031 ug/ml
6) TZM C-16	8.68	13987171	36.877 ug/ml
7) TZM C-18	9.59	14694531	38.950 ug/ml
8) XH C9-C18	7.38	102229840	274.049 ug/ml
9) TZM C-19	10.02	13798142	36.975 ug/ml
10) TZM C-20	10.45	14031320	38.366 ug/ml
12) TZM C-22	11.42	13606708	37.556 ug/ml
13) TZM C-24	12.70	13203772	37.969 ug/ml
14) TZM C-26	14.17	12269716	38.094 ug/ml
15) TZM C-28	15.70	10883213	38.506 ug/ml
16) TZM C-30	17.21	10022395	39.386 ug/ml
17) TZM C-36	21.24	7960359	39.632 ug/ml
18) XH C19-C36	11.90	100569173	324.925 ug/ml

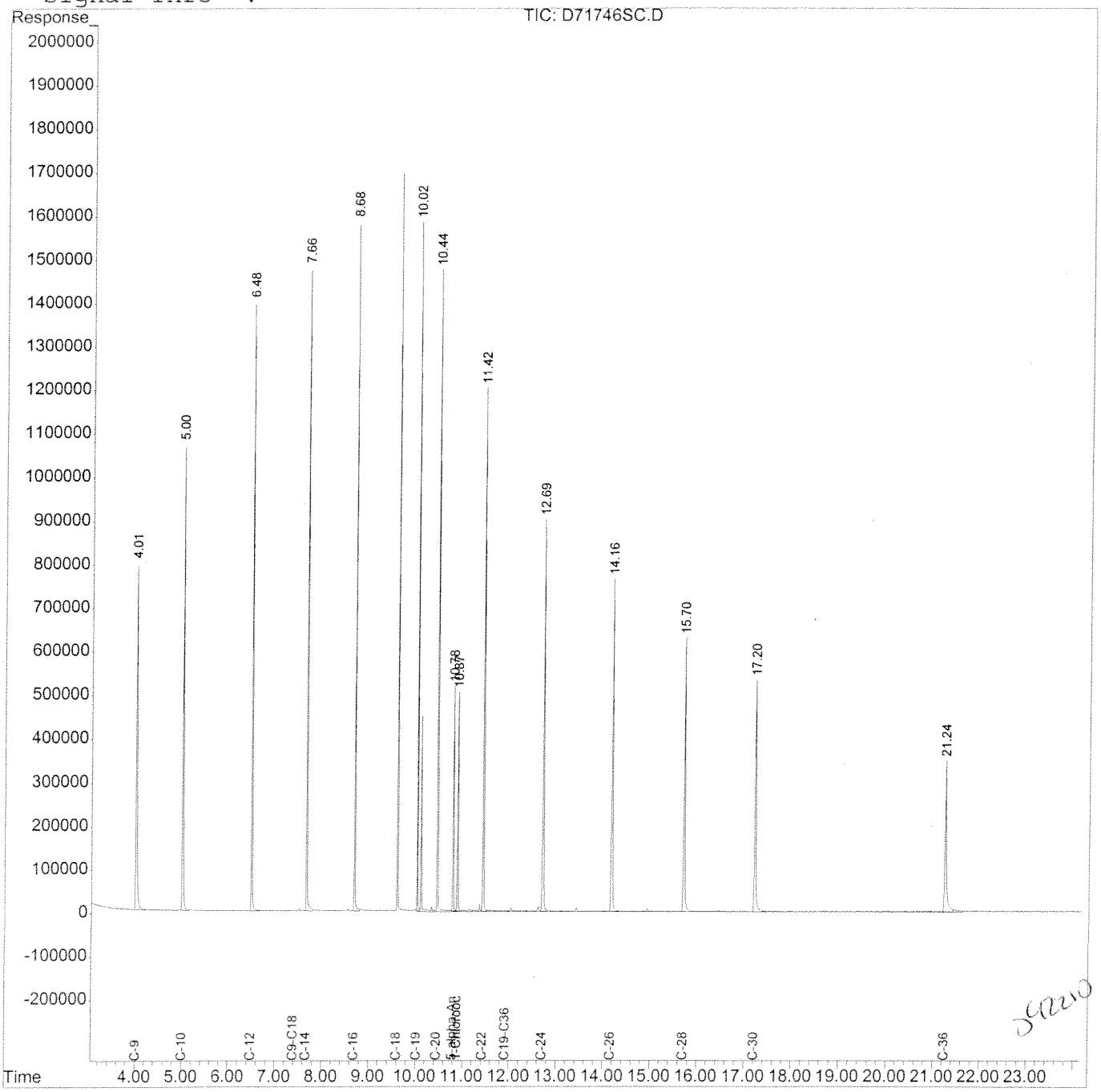
5/22/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\092010-D\D71746SC.D Vial: 2
Acq On : 21 Sep 2010 4:40 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

MN 9/27/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71763SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	41.3	3.2	
C-10	40.8	1.9	
C-12	38.6	3.4	
C-14	36.2	9.6	
C-16	39.1	2.1	
C-18	39.1	2.2	
C-19	37.6	6.0	
C-20	38.5	3.8	
1-Chlorooctadecane	15.6	2.8	
C-22	39.0	2.6	
C-24	38.1	4.7	
C-26	38.0	5.0	
C-28	38.1	4.8	
C-30	40.1	0.3	
C-36	39.4	1.5	

C9-C18 Aliphatics	235.1	2.0	
C19-C36 Aliphatics	308.7	3.5	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

092210

EPH ALI FORM 7

Data File : D:\HPCHEM\1\DATA\092010-D\D71763SC.D Vial: 2
Acq On : 22 Sep 2010 1:08 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:33 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV 9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5815337	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	5549746	15.551 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	77.75%
Target Compounds			
2) TZM C-9	4.01	14902210	41.269 ug/ml
3) TZM C-10	5.00	15056250	40.771 ug/ml
4) TZM C-12	6.49	15325857	38.645 ug/ml
5) TZM C-14	7.66	14705148	36.154 ug/ml
6) TZM C-16	8.68	15368449	39.144 ug/ml
7) TZM C-18	9.60	15280214	39.128 ug/ml
8) XH C9-C18	7.38	108884039	281.981 ug/ml
9) TZM C-19	10.02	14530033	37.615 ug/ml
10) TZM C-20	10.45	14564863	38.473 ug/ml
12) TZM C-22	11.42	14614852	38.969 ug/ml
13) TZM C-24	12.70	13723172	38.124 ug/ml
14) TZM C-26	14.17	12664654	37.985 ug/ml
15) TZM C-28	15.70	11138208	38.070 ug/ml
16) TZM C-30	17.21	10563656	40.104 ug/ml
17) TZM C-36	21.24	8182024	39.399 ug/ml
18) XH C19-C36	11.90	107322832	334.977 ug/ml

092210

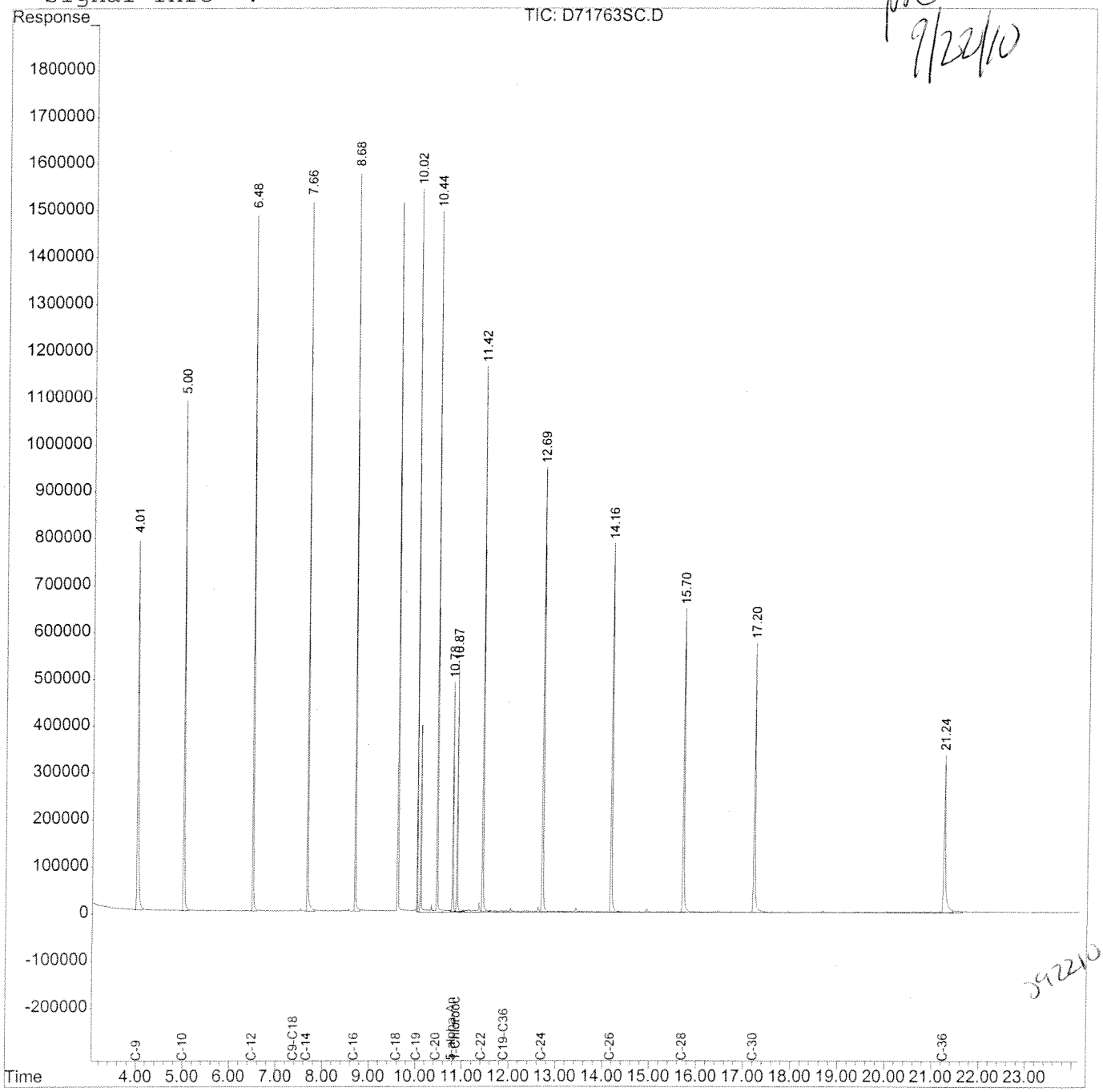
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\092010-D\D71763SC.D Vial: 2
Acq On : 22 Sep 2010 1:08 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 1:33 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/22/10



592210

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71766SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.5	1.3	
C-10	40.4	1.1	
C-12	39.5	1.2	
C-14	36.9	7.8	
C-16	38.8	2.9	
C-18	37.1	7.1	
C-19	36.8	8.0	
C-20	38.7	3.2	
1-Chlorooctadecane	16.4	2.2	
C-22	37.4	6.6	
C-24	36.9	7.8	
C-26	38.7	3.2	
C-28	38.1	4.8	
C-30	39.0	2.5	
C-36	39.6	1.0	

C9-C18 Aliphatics	233.3	2.8	
C19-C36 Aliphatics	305.2	4.6	

Maximum Allowed % Difference (except C-9): 25

Maximum Allowed % Difference C-9: 30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

Data File : D:\HPCHEM\1\DATA\092110-D\D71766SC.D Vial: 2
Acq On : 22 Sep 2010 2:39 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 3:07 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MN 9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6035934	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	6057347	16.353 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	81.77%
Target Compounds			
2) TZM C-9	4.01	15184008	40.512 ug/ml
3) TZM C-10	5.00	15502394	40.445 ug/ml
4) TZM C-12	6.48	16263806	39.512 ug/ml
5) TZM C-14	7.66	15575927	36.895 ug/ml
6) TZM C-16	8.68	15821712	38.825 ug/ml
7) TZM C-18	9.59	15057592	37.149 ug/ml
8) XH C9-C18	7.38	108907676	271.734 ug/ml
9) TZM C-19	10.02	14751392	36.792 ug/ml
10) TZM C-20	10.45	15206566	38.700 ug/ml
12) TZM C-22	11.42	14545279	37.366 ug/ml
13) TZM C-24	12.70	13777224	36.875 ug/ml
14) TZM C-26	14.17	13402218	38.728 ug/ml
15) TZM C-28	15.70	11563235	38.079 ug/ml
16) TZM C-30	17.21	10665121	39.010 ug/ml
17) TZM C-36	21.24	8544508	39.601 ug/ml
18) XH C19-C36	11.90	109312887	328.719 ug/ml

S92210

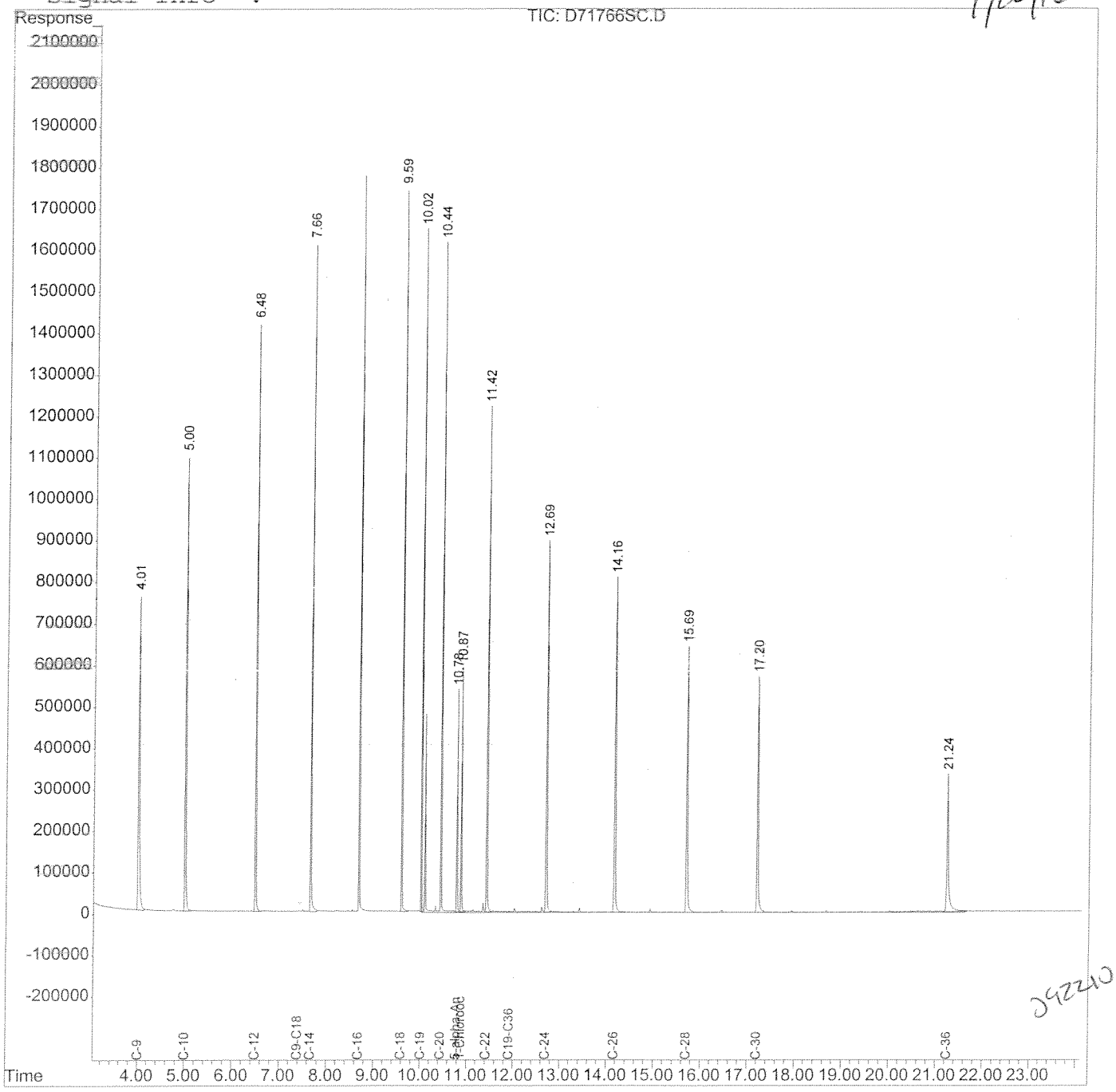
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\092110-D\D71766SC.D Vial: 2
Acq On : 22 Sep 2010 2:39 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 3:07 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PN 9/22/10



092210

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

292210

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71781SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	36.9	7.8	
C-10	37.9	5.3	
C-12	35.2	11.9	
C-14	37.3	6.8	
C-16	36.8	7.9	
C-18	37.2	7.1	
C-19	36.7	8.3	
C-20	37.5	6.1	
1-Chlorooctadecane	15.9	0.5	
C-22	37.1	7.2	
C-24	37.1	7.2	
C-26	36.8	8.0	
C-28	38.1	4.7	
C-30	40.5	1.3	
C-36	43.1	7.7	

C9-C18 Aliphatics	221.3	7.8	
C19-C36 Aliphatics	306.9	4.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

✓ 9/02/10

EPH ALI FORM 7

Data File : D:\HPCHEM\1\DATA\092110-D\D71781SC.D Vial: 2
Acq On : 22 Sep 2010 12:57 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 15:11 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6555086	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	6404578	15.921 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.60%
Target Compounds			
2) TZM C-9	4.01	15009786	36.876 ug/ml
3) TZM C-10	5.00	15760791	37.863 ug/ml
4) TZM C-12	6.48	15754576	35.243 ug/ml
5) TZM C-14	7.66	17090345	37.276 ug/ml
6) TZM C-16	8.68	16304456	36.841 ug/ml
7) TZM C-18	9.59	16360921	37.167 ug/ml
8) XH C9-C18	7.38	112002531	257.324 ug/ml
9) TZM C-19	10.02	15967099	36.670 ug/ml
10) TZM C-20	10.45	16022872	37.548 ug/ml
12) TZM C-22	11.42	15691083	37.118 ug/ml
13) TZM C-24	12.70	15061926	37.121 ug/ml
14) TZM C-26	14.16	13823655	36.782 ug/ml
15) TZM C-28	15.69	12574712	38.130 ug/ml
16) TZM C-30	17.20	12028471	40.512 ug/ml
17) TZM C-36	21.24	10256710	43.063 ug/ml
18) XH C19-C36	11.90	122373586	338.850 ug/ml

9/22/10

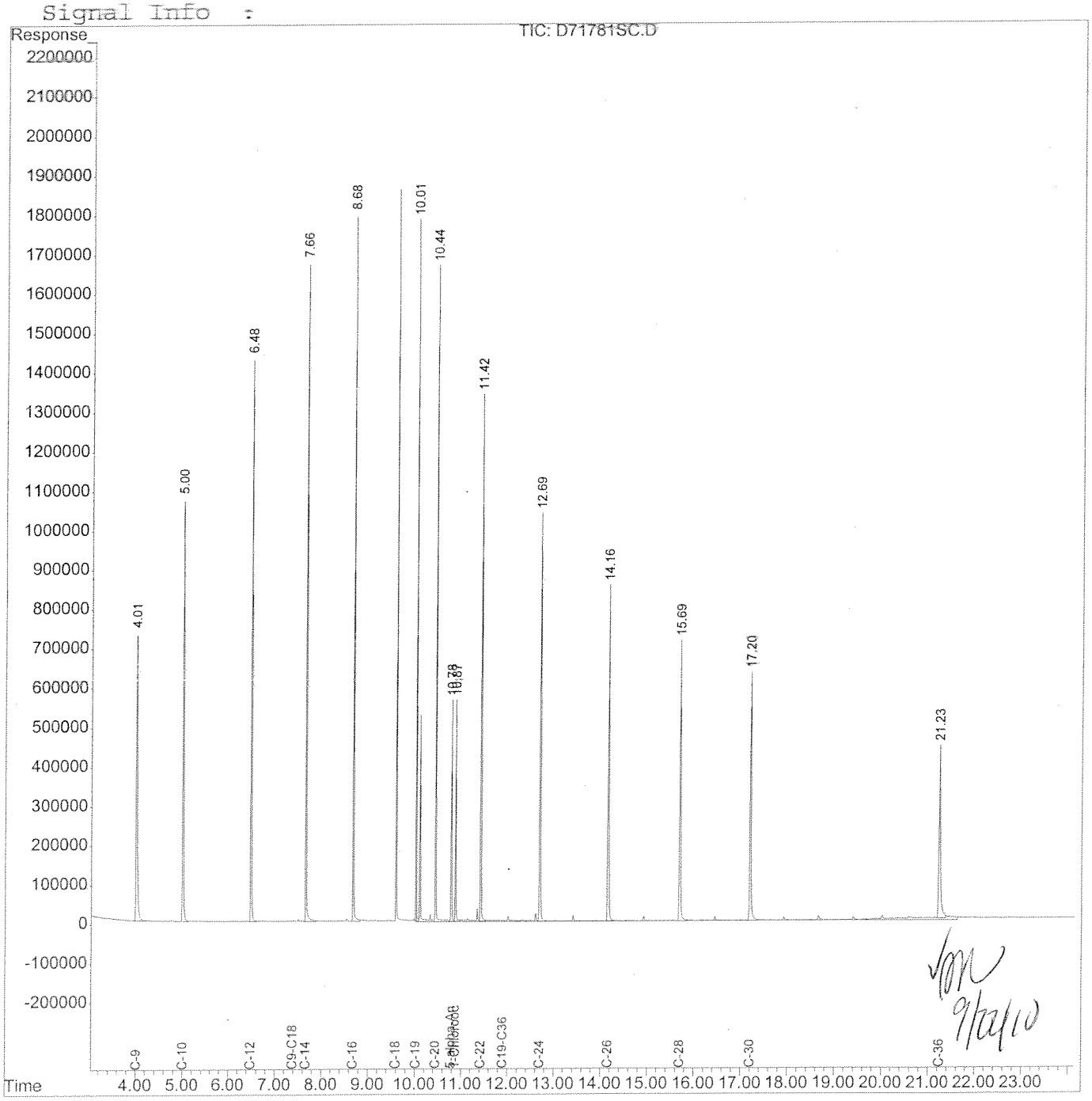
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\092110-D\D71781SC.D Vial: 2
Acq On : 22 Sep 2010 12:57 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 15:11 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

J92210

Volume Inj. :
Signal Phase :
Signal Info :



9/24/10

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71782SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.2	6.9	
C-10	37.0	7.6	
C-12	36.2	9.5	
C-14	35.5	11.2	
C-16	37.4	6.5	
C-18	36.6	8.5	
C-19	36.8	8.0	
C-20	37.0	7.5	
1-Chlorooctadecane	15.6	2.3	
C-22	35.5	11.2	
C-24	36.9	7.8	
C-26	36.9	7.7	
C-28	37.3	6.7	
C-30	38.9	2.6	
C-36	44.4	11.0	

C9-C18 Aliphatics	219.9	8.4	
C19-C36 Aliphatics	303.8	5.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/22/10

EPH ALI FORM 7

Data File : D:\HPCHEM\1\DATA\092110-D\D71782SC.D Vial: 2
Acq On : 22 Sep 2010 1:28 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 15:11 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

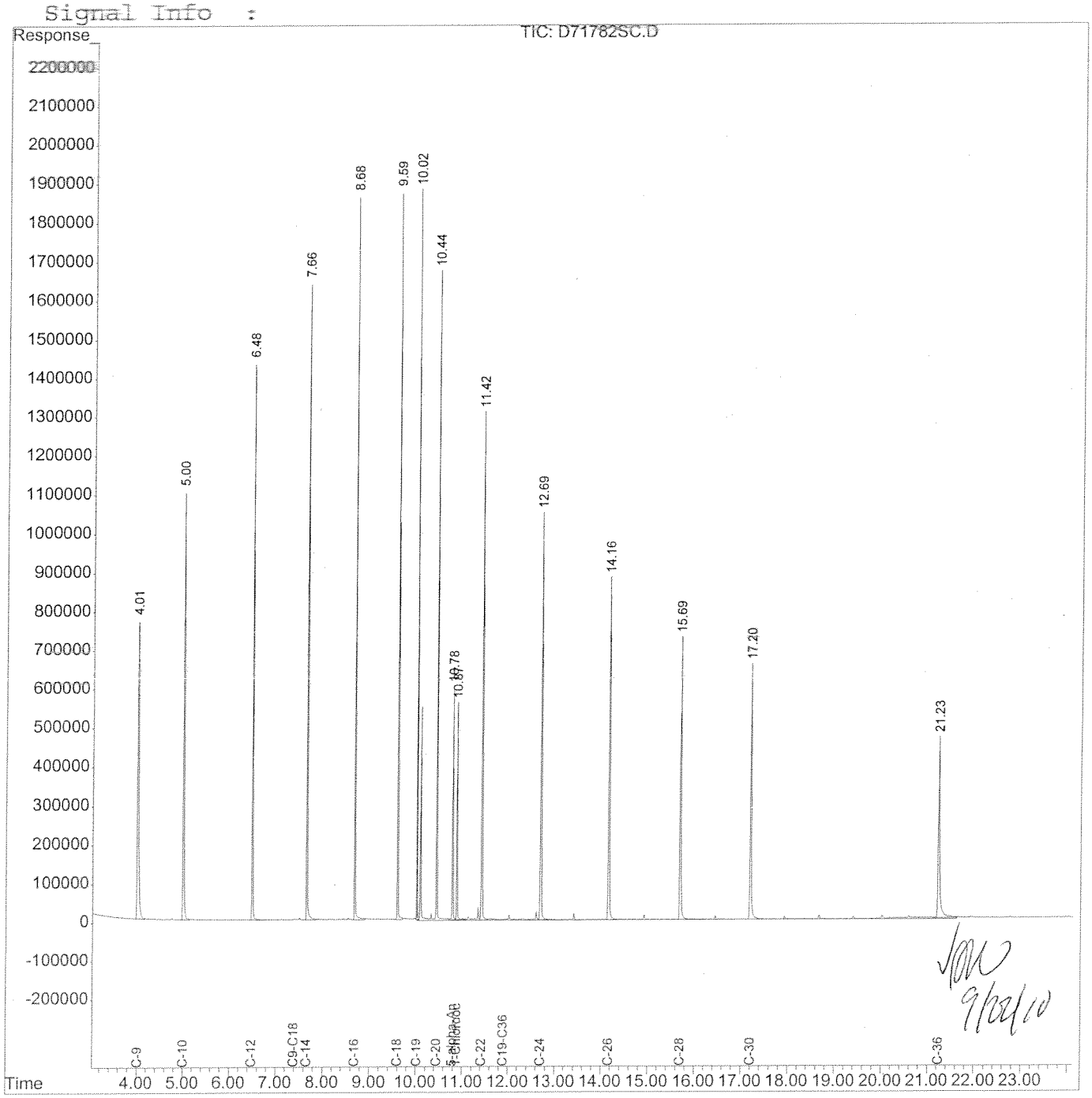
Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6791188	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	6514739	15.632 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	78.16%
Target Compounds			
2) TZM C-9	4.01	15696261	37.222 ug/ml
3) TZM C-10	5.00	15943951	36.971 ug/ml
4) TZM C-12	6.49	16763192	36.196 ug/ml
5) TZM C-14	7.66	16872028	35.521 ug/ml
6) TZM C-16	8.68	17149618	37.404 ug/ml
7) TZM C-18	9.59	16700127	36.619 ug/ml
8) XH C9-C18	7.38	116465865	258.275 ug/ml
9) TZM C-19	10.02	16605310	36.810 ug/ml
10) TZM C-20	10.45	16362358	37.011 ug/ml
12) TZM C-22	11.42	15548819	35.502 ug/ml
13) TZM C-24	12.70	15509982	36.896 ug/ml
14) TZM C-26	14.16	14369907	36.907 ug/ml
15) TZM C-28	15.70	12755444	37.333 ug/ml
16) TZM C-30	17.20	11981197	38.950 ug/ml
17) TZM C-36	21.24	11022028	44.405 ug/ml
18) XH C19-C36	11.90	122466839	327.318 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\092110-D\D71782SC.D Vial: 2
Acq On : 22 Sep 2010 1:28 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 15:11 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

BK 9/23/10

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: J35931SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	21.3	6.3	
2-Methylnaphthalene	21.8	9.2	
Acenaphthylene	21.4	7.2	
Acenaphthene	21.3	6.3	
Fluorene	21.6	8.0	
Phenanthrene	21.4	7.2	
Anthracene	21.6	8.0	
2-Fluorobiphenyl	12.7	6.0	
2-Bromonaphthalene	12.7	5.9	
o-terphenyl	8.5	6.2	
Fluoranthene	21.7	8.6	
Pyrene	21.2	6.2	
Benzo[a]anthracene	20.7	3.6	
Chrysene	20.5	2.5	
Benzo[b] fluoranthene	20.7	3.4	
Benzo[k] fluoranthene	20.8	4.2	
Benzo[a] pyrene	20.9	4.5	
Indeno [1,2,3-cd] pyrene	20.8	3.9	
Dibenz [a,h] anthracene	21.0	4.9	
Benzo(g,h,i) perylene	20.6	2.9	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: JY 23W

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35931SC.D
Acq On : 22 Sep 2010 4:53 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 22 05:11:13 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	112887	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.439	172	543230	12.72 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 63.60%		
10) 2-Bromonaphthalene	5.967	206	248143	12.71 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 63.55%		
11) o-terphenyl	7.480	230	290455	8.49 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 42.45%		
Target Compounds					Qvalue
2) Naphthalene	4.561	128	1118757	21.27 ug/ml	99
3) 2-Methylnaphthalene	5.131	141	632473	21.84 ug/ml	99
4) Acenaphthylene	5.855	152	1209297	21.43 ug/ml	100
5) Acenaphthene	5.997	154	651424	21.26 ug/ml	99
6) Fluorene	6.412	166	841379	21.60 ug/ml	100
7) Phenanthrene	7.175	178	1215075	21.43 ug/ml	100
8) Anthracene	7.217	178	1212107	21.60 ug/ml	100
12) Fluoranthene	8.136	202	1329448	21.72 ug/ml	100
13) Pyrene	8.332	202	1370415	21.23 ug/ml	100
14) Benzo[a]anthracene	9.609	228	1117912	20.71 ug/ml	98
15) Chrysene	9.656	228	1081836	20.50 ug/ml	100
16) Benzo[b] fluoranthene	11.112	252	980890	20.69 ug/ml	98
17) Benzo[k] fluoranthene	11.160	252	977893	20.83 ug/ml	97
18) Benzo[a] pyrene	11.598	252	944861	20.91 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.356	276	754331	20.78 ug/ml	99
20) Dibenz [a,h] anthracene	13.420	278	728538	20.98 ug/ml	99
21) Benzo(g,h,i) perylene	13.761	276	807701	20.58 ug/ml	99

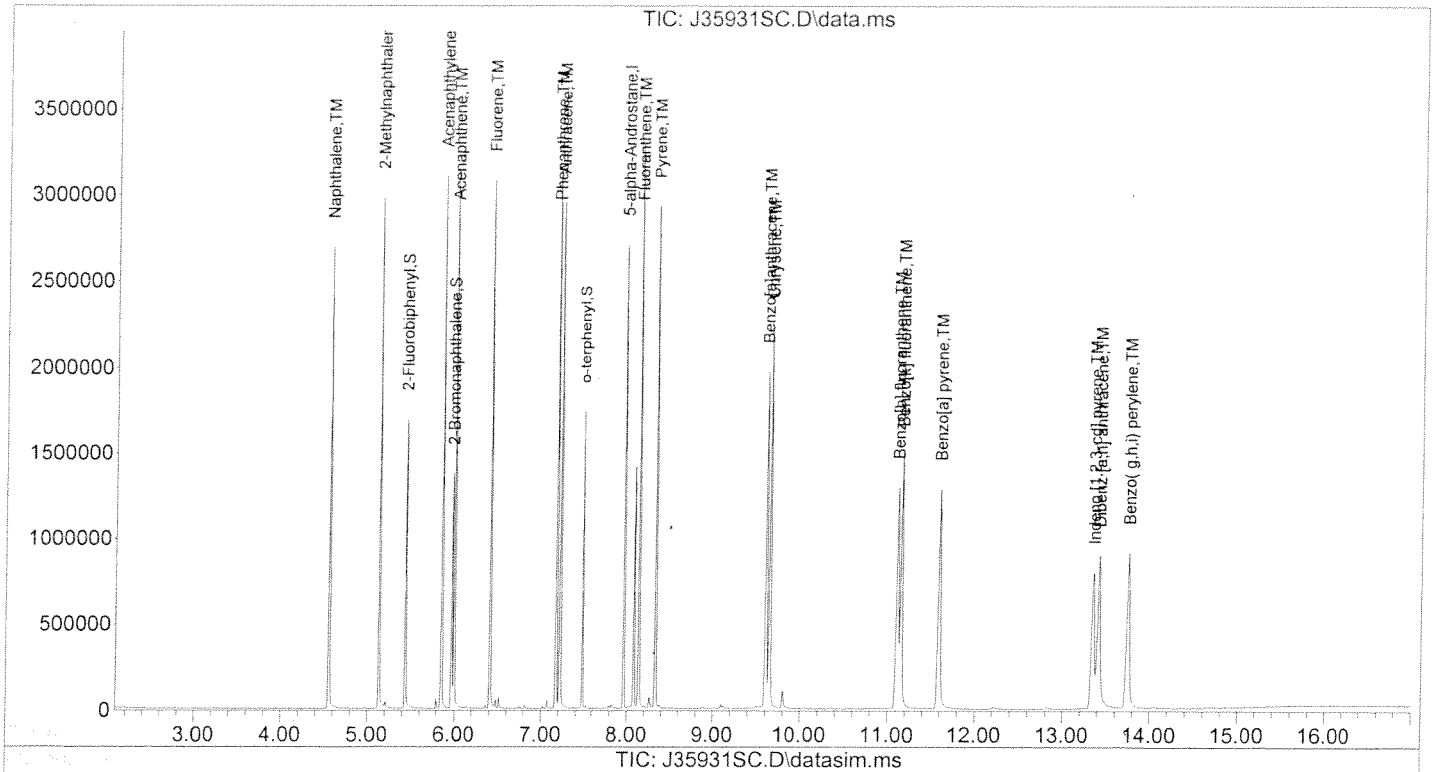
(#) = qualifier out of range (m) = manual integration (+) = signals summed

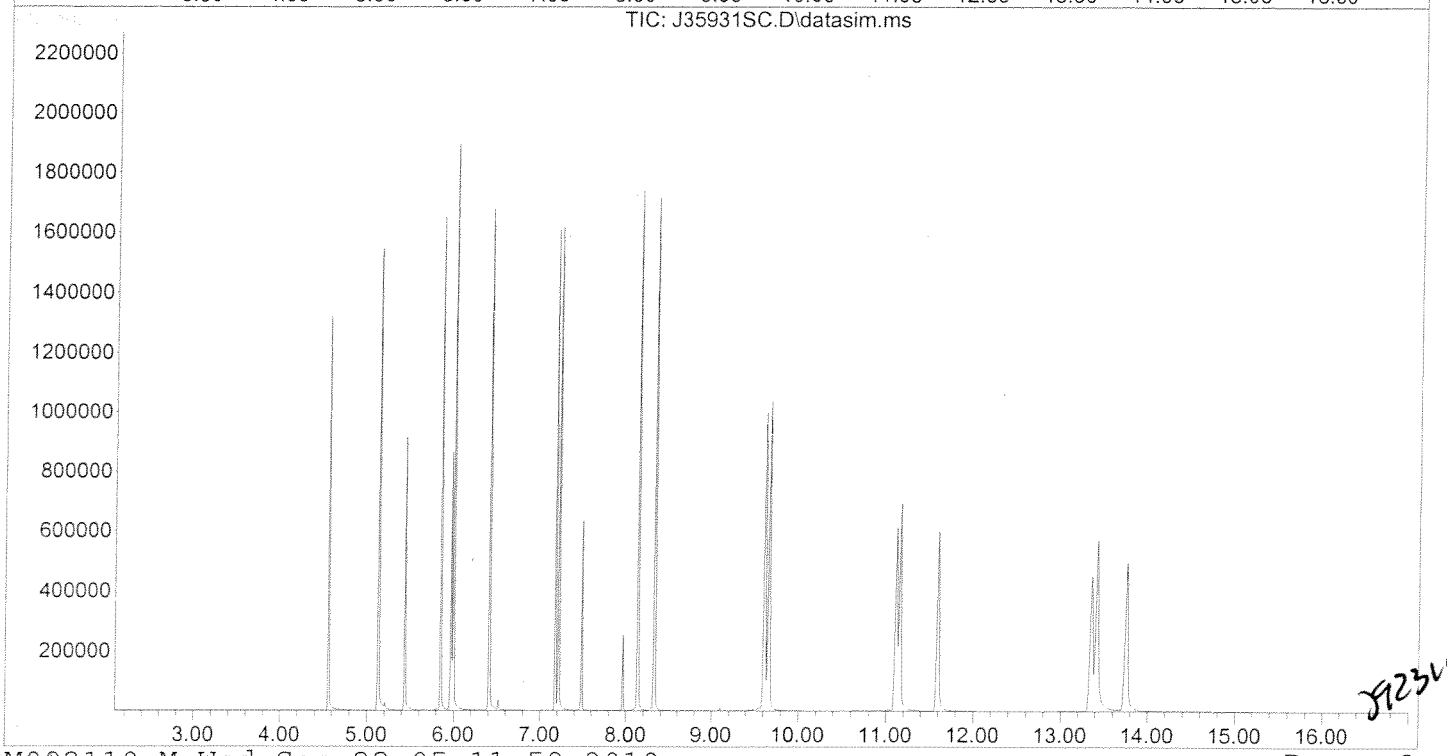
092310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35931SC.D
Acq On : 22 Sep 2010 4:53 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 22 05:11:13 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





GC AROMATIC CONT CALIBRATION CHECK

Data File Name J35931SC.D
Sample Name S10041 ARO 20
Date Acquired 9/22/2010 4:53

9/23/10

Name	Amount	UG/L EXPECTED	% DIFFERENCE	LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	21.36	20	7	20	OK	21.36		
2-Methylnaphthalene	21.60	20	8	20	OK	21.60		
Acenaphthylene	21.41	20	7	20	OK	21.41		
Acenaphthene	21.64	20	8	20	OK	21.64		
Fluorene	20.65	20	3	20	OK	20.65		
Phenanthrene	21.53	20	8	20	OK	21.53		
Anthracene	21.41	20	7	20	OK	21.41		
Fluoranthene	21.37	20	7	20	OK	21.37		
Pyrene	20.94	20	5	20	OK	20.94		
Benzo[a]anthracene	20.92	20	5	20	OK	20.92		
Chrysene	21.09	20	5	20	OK	21.09		
Benzo[b] fluoranthene	20.23	20	1	20	OK	20.23		
Benzo[k] fluoranthene	20.86	20	4	20	OK	20.86		
Benzo[a] pyrene	21.51	20	8	20	OK	21.51		
Indeno [1,2,3-cd] pyrene	20.14	20	1	20	OK	20.14		
Dibenz [a,h] anthracene	19.69	20	2	20	OK	19.69		
Benzo(g,h,i) perylene	20.49	20	2	20	OK	20.49		
c11-c22		340				**356.83**	105%	OK

D92310

9/22/2010 5:13 AM

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35931SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 4:53 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 05:13:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

MN 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	25026389	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	15701456	12.601 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.01%
10) S 2-Bromonaphthalene	5.966	12656566	13.362 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	66.81%
11) S o-terphenyl	7.481	13712607	8.417 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	42.09%
Target Compounds			
2) TZ Naphthalene	4.562	24093693	21.363 ug/ml
3) TZ 2-Methylnaphthalene	5.132	24479552	21.598 ug/ml
4) TZ Acenaphthylene	5.855	25273703	21.412 ug/ml
5) TZ Acenaphthene	5.997	27254829	21.636 ug/ml
6) TZ Fluorene	6.413	26828601	20.648 ug/ml
7) TZ Phenanthrene	7.179	28576319	21.533 ug/ml
8) TZ Anthracene	7.221	26617442	21.413 ug/ml
12) TZ Fluoranthene	8.137	29902962	21.366 ug/ml
13) TZ Pyrene	8.332	30771526	20.940 ug/ml
14) TZ Benzo[a]anthracene	9.611	27158698	20.917 ug/ml
15) TZ Chrysene	9.658	28182676	21.088 ug/ml
16) TZ Benzo[b] fluoranthene	11.115	24339624	20.231 ug/ml
17) TZ Benzo[k] fluoranthene	11.162	24981503	20.860 ug/ml
18) TZ Benzo[a] pyrene	11.599	24458600	21.506 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.356	19268397	20.138 ug/ml
20) TZ Dibenz [a,h] anthracene	13.421	22049997	19.692 ug/ml
21) TZ Benzo(g,h,i) perylene	13.759	21987451	20.495 ug/ml
22) XH c11-c22	12.565	481061476	389.892 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

J92310

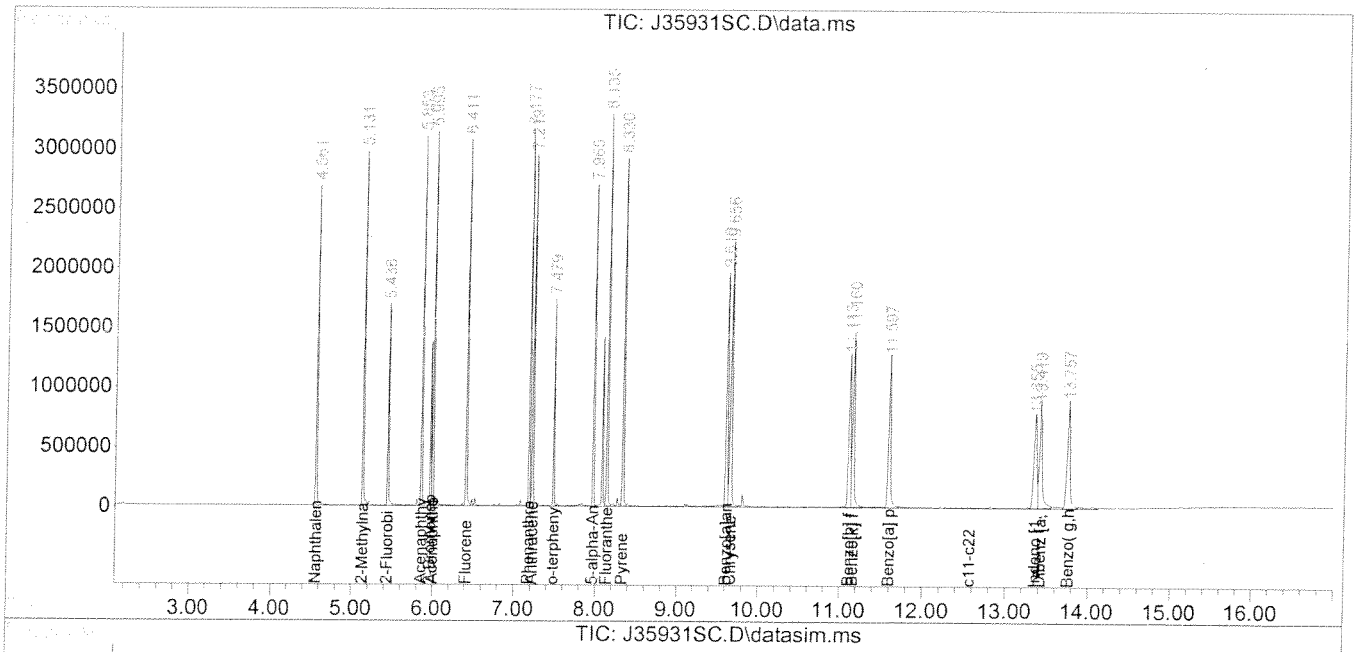
Quantitation Report (Not Reviewed)

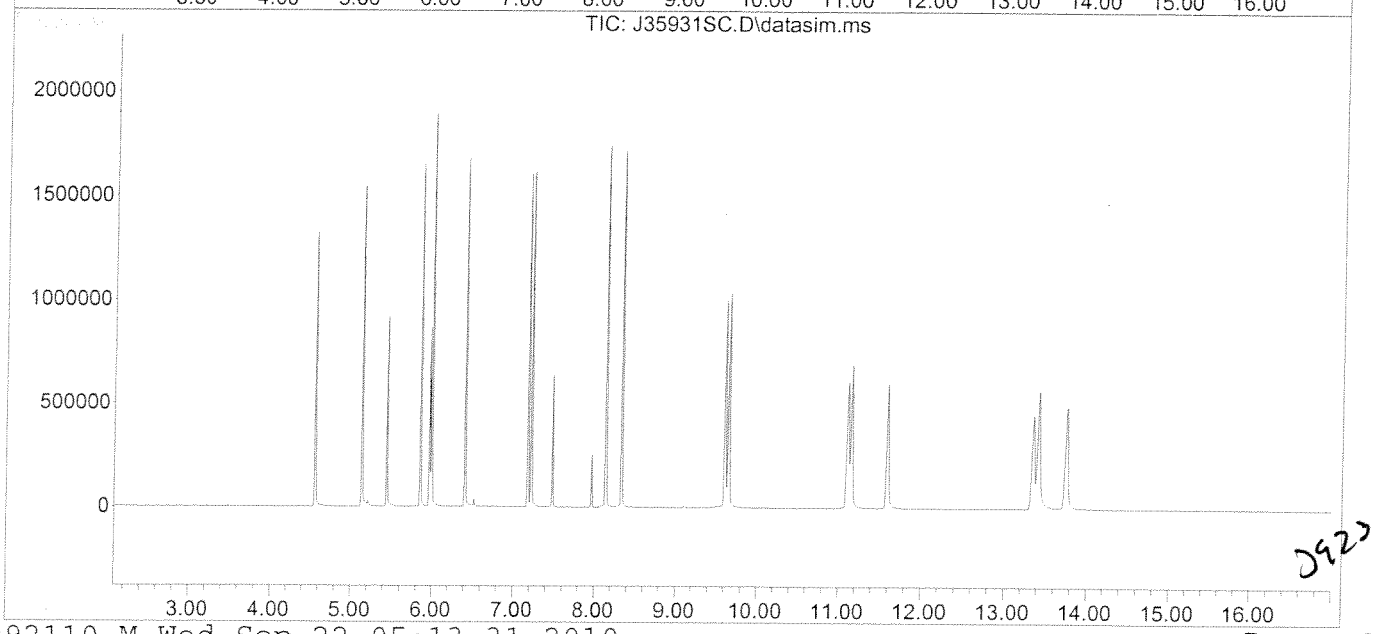
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35931SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 4:53 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 05:13:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

MN 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092310

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

J92210

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: J35959SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.7	3.5	
2-Methylnaphthalene	21.3	6.7	
Acenaphthylene	21.2	6.0	
Acenaphthene	20.9	4.5	
Fluorene	21.8	8.8	
Phenanthrene	21.1	5.5	
Anthracene	21.8	8.8	
2-Fluorobiphenyl	12.6	5.2	
2-Bromonaphthalene	12.6	5.2	
o-terphenyl	8.3	4.4	
Fluoranthene	21.5	7.6	
Pyrene	21.6	7.8	
Benzo[a]anthracene	21.3	6.3	
Chrysene	20.9	4.4	
Benzo[b] fluoranthene	21.0	5.0	
Benzo[k] fluoranthene	21.2	6.1	
Benzo[a] pyrene	21.1	5.4	
Indeno [1,2,3-cd] pyrene	20.4	2.1	
Dibenz [a,h] anthracene	20.7	3.3	
Benzo(g,h,i) perylene	20.5	2.7	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

JOM
9/03/10

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35959SC.D
Acq On : 22 Sep 2010 3:35 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 22 18:55:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

092210

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	112957	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.439	172	539445	12.63 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 63.15%		
10) 2-Bromonaphthalene	5.967	206	246657	12.62 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 63.10%		
11) o-terphenyl	7.480	230	285682	8.35 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 41.75%		

Target Compounds					Qvalue
2) Naphthalene	4.561	128	1092414	20.71 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	619770	21.35 ug/ml	99
4) Acenaphthylene	5.855	152	1198290	21.20 ug/ml	100
5) Acenaphthene	5.997	154	642023	20.91 ug/ml	99
6) Fluorene	6.412	166	847372	21.76 ug/ml	100
7) Phenanthrene	7.180	178	1198886	21.10 ug/ml	100
8) Anthracene	7.222	178	1220793	21.75 ug/ml	100
12) Fluoranthene	8.135	202	1318593	21.51 ug/ml	100
13) Pyrene	8.332	202	1390769	21.57 ug/ml	100
14) Benzo[a]anthracene	9.612	228	1147961	21.26 ug/ml	99
15) Chrysene	9.660	228	1103074	20.89 ug/ml	100
16) Benzo[b] fluoranthene	11.112	252	996492	21.01 ug/ml	99
17) Benzo[k] fluoranthene	11.160	252	996567	21.22 ug/ml	97
18) Benzo[a] pyrene	11.598	252	953215	21.08 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.356	276	741790	20.43 ug/ml	99
20) Dibenz [a,h] anthracene	13.420	278	717732	20.65 ug/ml	99
21) Benzo(g,h,i) perylene	13.761	276	806606	20.54 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

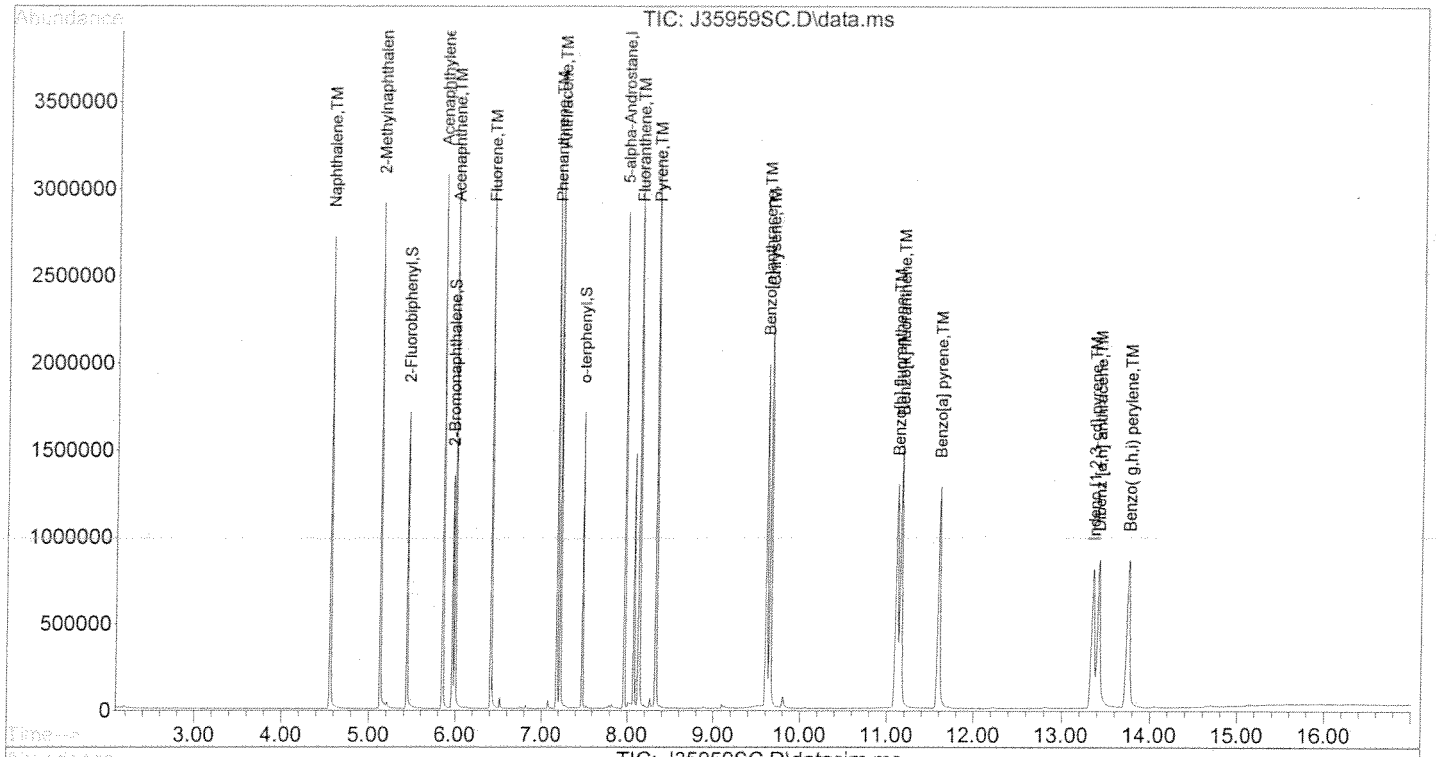
9/23/10

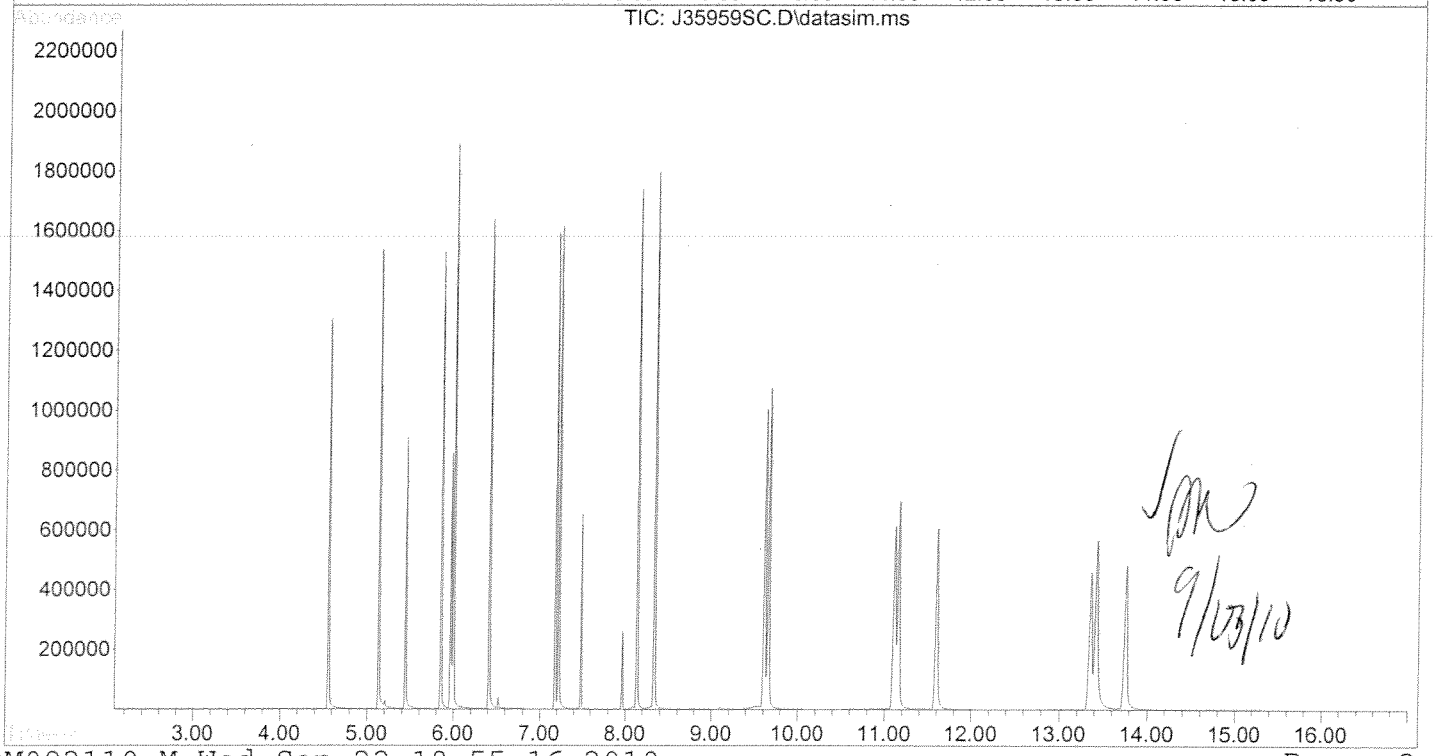
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35959SC.D
Acq On : 22 Sep 2010 3:35 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

34220

Quant Time: Sep 22 18:55:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

GC AROMATIC
CLOSING
CONT CALIBRATION
CHECK

Data File Name J35959SC.D
Sample Name S10041 ARO 20
Date Acquired 9/22/2010 15:35

9/22/10

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.58	20	3	20	OK	20.58		
2-Methylnaphthalene	21.07	20	5	20	OK	21.07		
Acenaphthylene	21.05	20	5	20	OK	21.05		
Acenaphthene	21.14	20	6	20	OK	21.14		
Fluorene	20.68	20	3	20	OK	20.68		
Phenanthrene	21.06	20	5	20	OK	21.06		
Anthracene	21.78	20	9	20	OK	21.78		
Fluoranthene	21.37	20	7	20	OK	21.37		
Pyrene	21.30	20	6	20	OK	21.30		
Benzo[a]anthracene	21.26	20	6	20	OK	21.26		
Chrysene	21.66	20	8	20	OK	21.66		
Benzo[b] fluoranthene	20.49	20	2	20	OK	20.49		
Benzo[k] fluoranthene	21.14	20	6	20	OK	21.14		
Benzo[a] pyrene	21.25	20	6	20	OK	21.25		
Indeno [1,2,3-cd] pyrene	19.66	20	2	20	OK	19.66		
Dibenz [a,h] anthracene	18.90	20	6	20	OK	18.90		
Benzo(g,h,i) perylene	19.93	20	0	20	OK	19.93		
c11-c22		340				**354.32**	104%	OK

9/23/10

9/22/2010 7:03 PM

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35959SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:35 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

342210

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 19:02:50 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	25165258	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.439	15830159	12.638 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.19%
10) S 2-Bromonaphthalene	5.966	12562359	13.189 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	65.94%
11) S o-terphenyl	7.482	13563872	8.266 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	41.33%
Target Compounds			
2) TZ Naphthalene	4.562	23428478	20.582 ug/ml
3) TZ 2-Methylnaphthalene	5.132	24076307	21.068 ug/ml
4) TZ Acenaphthylene	5.855	25022909	21.046 ug/ml
5) TZ Acenaphthene	5.997	26857951	21.142 ug/ml
6) TZ Fluorene	6.413	27019242	20.684 ug/ml
7) TZ Phenanthrene	7.180	28176220	21.062 ug/ml
8) TZ Anthracene	7.221	27167897	21.782 ug/ml
12) TZ Fluoranthene	8.138	30079373	21.374 ug/ml
13) TZ Pyrene	8.332	31412937	21.298 ug/ml
14) TZ Benzo[a]anthracene	9.613	27755671	21.259 ug/ml
15) TZ Chrysene	9.659	29033610	21.664 ug/ml
16) TZ Benzo[b] fluoranthene	11.114	24784596	20.487 ug/ml
17) TZ Benzo[k] fluoranthene	11.161	25430622	21.141 ug/ml
18) TZ Benzo[a] pyrene	11.599	24297439	21.246 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.356	18919388	19.664 ug/ml
20) TZ Dibenz [a,h] anthracene	13.422	21367336	18.898 ug/ml
21) TZ Benzo(g,h,i) perylene	13.761	21499612	19.929 ug/ml
22) XH c11-c22	12.565	487173752	392.667 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

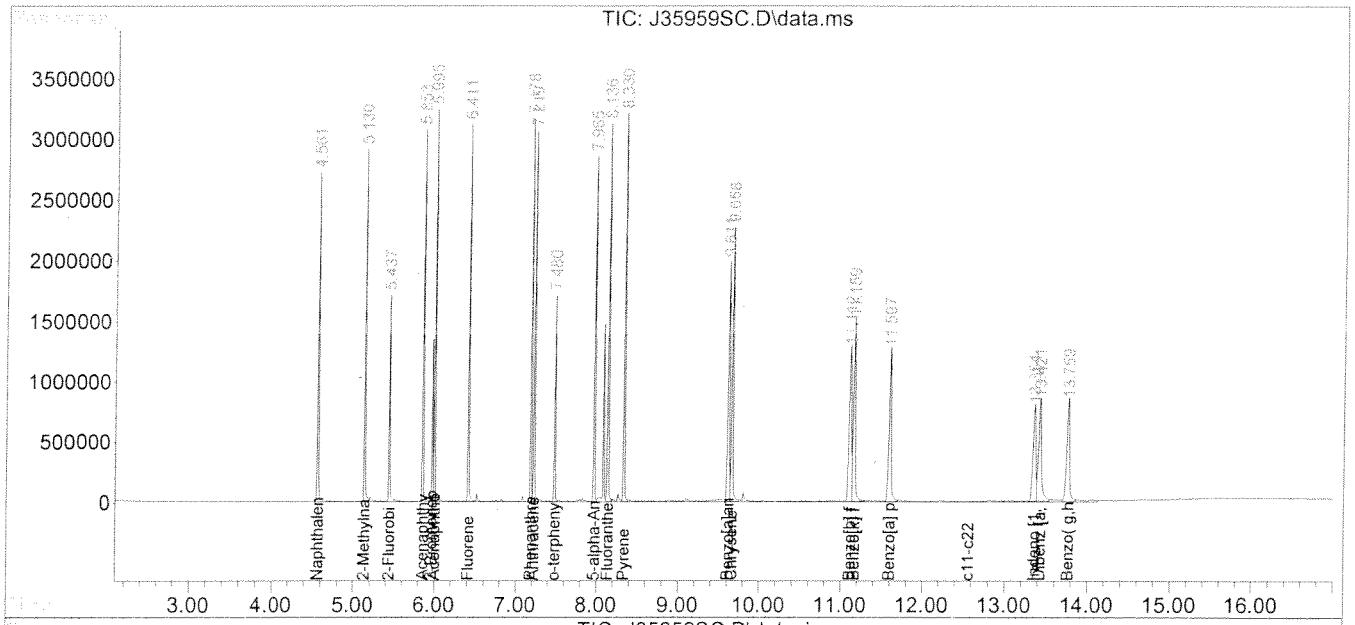
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35959SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:35 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

J9220W

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 19:02:50 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



9/23/10

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

-422W

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: J35960SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.6	3.2	
2-Methylnaphthalene	21.1	5.7	
Acenaphthylene	21.2	5.8	
Acenaphthene	20.7	3.5	
Fluorene	21.6	8.1	
Phenanthrene	20.8	4.0	
Anthracene	21.3	6.5	
2-Fluorobiphenyl	12.5	4.4	
2-Bromonaphthalene	12.4	3.5	
o-terphenyl	8.2	2.0	
Fluoranthene	21.8	9.2	
Pyrene	21.4	7.0	
Benzo[a]anthracene	21.1	5.5	
Chrysene	20.6	3.2	
Benzo[b] fluoranthene	21.1	5.5	
Benzo[k] fluoranthene	21.0	5.0	
Benzo[a] pyrene	21.0	5.0	
Indeno [1,2,3-cd] pyrene	20.9	4.4	
Dibenz [a,h] anthracene	21.0	4.8	
Benzo(g,h,i) perylene	20.9	4.6	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

JOW
9/23/10

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35960SC.D
Acq On : 22 Sep 2010 3:58 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

J92210

Quant Time: Sep 22 18:55:18 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	100358	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	475653	12.53 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 62.65%		
10) 2-Bromonaphthalene	5.967	206	215610	12.42 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 62.10%		
11) o-terphenyl	7.480	230	248035	8.16 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 40.80%		
Target Compounds					Qvalue
2) Naphthalene	4.561	128	967399	20.63 ug/ml	99
3) 2-Methylnaphthalene	5.131	141	545651	21.13 ug/ml	99
4) Acenaphthylene	5.855	152	1062173	21.15 ug/ml	100
5) Acenaphthene	5.991	154	565225	20.70 ug/ml	99
6) Fluorene	6.412	166	748501	21.62 ug/ml	99
7) Phenanthrene	7.175	178	1051615	20.80 ug/ml	99
8) Anthracene	7.217	178	1064431	21.30 ug/ml	99
12) Fluoranthene	8.136	202	1187112	21.83 ug/ml	100
13) Pyrene	8.328	202	1226933	21.40 ug/ml	99
14) Benzo[a]anthracene	9.609	228	1012479	21.10 ug/ml	98
15) Chrysene	9.656	228	968700	20.64 ug/ml	99
16) Benzo[b] fluoranthene	11.112	252	889133	21.10 ug/ml	99
17) Benzo[k] fluoranthene	11.157	252	876672	21.01 ug/ml	97
18) Benzo[a] pyrene	11.598	252	843945	21.01 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.352	276	673944	20.89 ug/ml	98
20) Dibenz [a,h] anthracene	13.416	278	647105	20.96 ug/ml	99
21) Benzo(g,h,i) perylene	13.757	276	730315	20.93 ug/ml	99

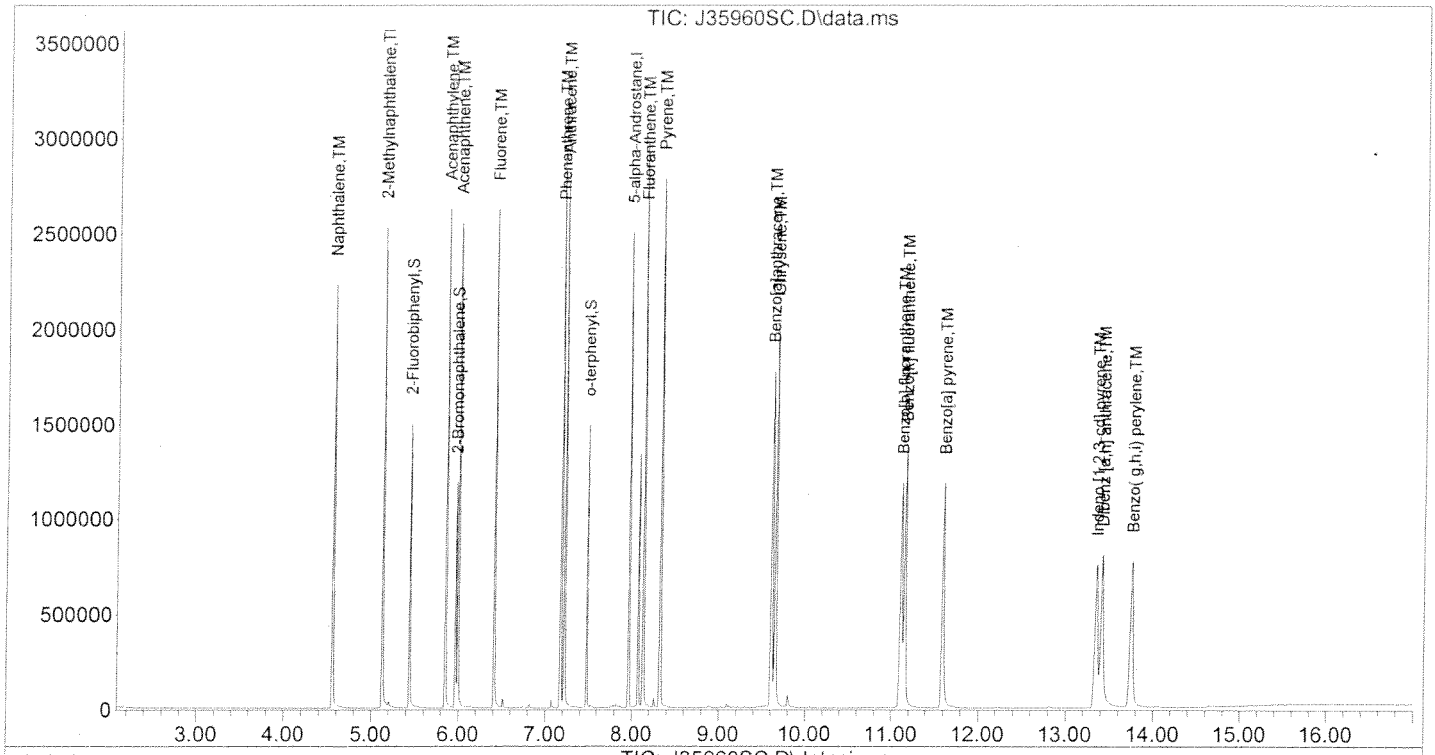
(#) = qualifier out of range (m) = manual integration (+) = signals summed

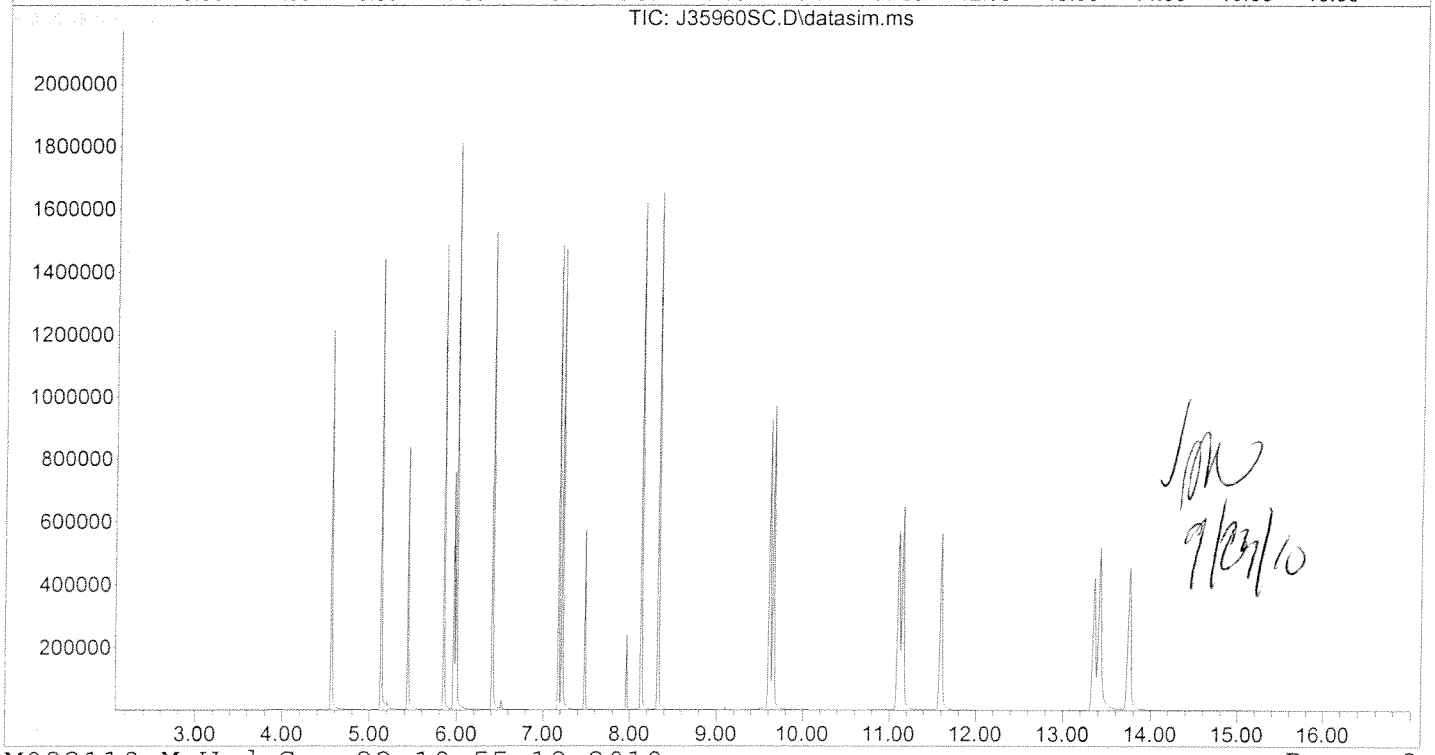
JOK 9/29/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35960SC.D
Acq On : 22 Sep 2010 3:58 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 22 18:55:18 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





ARM092110.M Wed Sep 22 18:55:19 2010 Page: 2

392210

GC AROMATIC
CLOSING
CONT CALIBRATION
CHECK

Data File Name J35960SC.D
Sample Name S10041 ARO 20
Date Acquired 9/22/2010 15:58

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 4 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.55	20	3	20	OK	20.55		
2-Methylnaphthalene	20.97	20	5	20	OK	20.97		
Acenaphthylene	21.16	20	6	20	OK	21.16		
Acenaphthene	21.17	20	6	20	OK	21.17		
Fluorene	20.97	20	5	20	OK	20.97		
Phenanthrene	20.97	20	5	20	OK	20.97		
Anthracene	21.08	20	5	20	OK	21.08		
Fluoranthene	21.54	20	8	20	OK	21.54		
Pyrene	21.14	20	6	20	OK	21.14		
Benzo[a]anthracene	21.10	20	5	20	OK	21.10		
Chrysene	21.57	20	8	20	OK	21.57		
Benzo[b] fluoranthene	20.27	20	1	20	OK	20.27		
Benzo[k] fluoranthene	21.20	20	6	20	OK	21.20		
Benzo[a] pyrene	21.72	20	9	20	OK	21.72		
Indeno [1,2,3-cd] pyrene	19.94	20	0	20	OK	19.94		
Dibenz [a,h] anthracene	19.78	20	1	20	OK	19.78		
Benzo(g,h,i) perylene	20.88	20	4	20	OK	20.88		
c11-c22		340				**356.00**	105%	OK

9/23/10

9/22/2010 7:03 PM

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35960SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:58 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

392210

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 19:02:42 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	22255939	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	14055380	12.692 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.46%
10) S 2-Bromonaphthalene	5.966	10831475	12.858 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.29%
11) S o-terphenyl	7.481	11853722	8.158 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	40.79%
Target Compounds			
2) TZ Naphthalene	4.562	20692650	20.552 ug/ml
3) TZ 2-Methylnaphthalene	5.132	21203300	20.969 ug/ml
4) TZ Acenaphthylene	5.854	22240422	21.163 ug/ml
5) TZ Acenaphthene	5.995	23779154	21.169 ug/ml
6) TZ Fluorene	6.412	24186931	20.965 ug/ml
7) TZ Phenanthrene	7.178	24823524	20.971 ug/ml
8) TZ Anthracene	7.220	23350451	21.082 ug/ml
12) TZ Fluoranthene	8.137	26784820	21.542 ug/ml
13) TZ Pyrene	8.331	27594021	21.137 ug/ml
14) TZ Benzo[a]anthracene	9.612	24359742	21.096 ug/ml
15) TZ Chrysene	9.657	25574927	21.568 ug/ml
16) TZ Benzo[b] fluoranthene	11.112	21685703	20.269 ug/ml
17) TZ Benzo[k] fluoranthene	11.159	22547792	21.199 ug/ml
18) TZ Benzo[a] pyrene	11.598	21966152	21.718 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.354	16970346	19.944 ug/ml
20) TZ Dibenz [a,h] anthracene	13.418	19689476	19.782 ug/ml
21) TZ Benzo(g,h,i) perylene	13.759	19916785	20.876 ug/ml
22) XH c11-c22	12.565	424923143	387.263 ug/ml

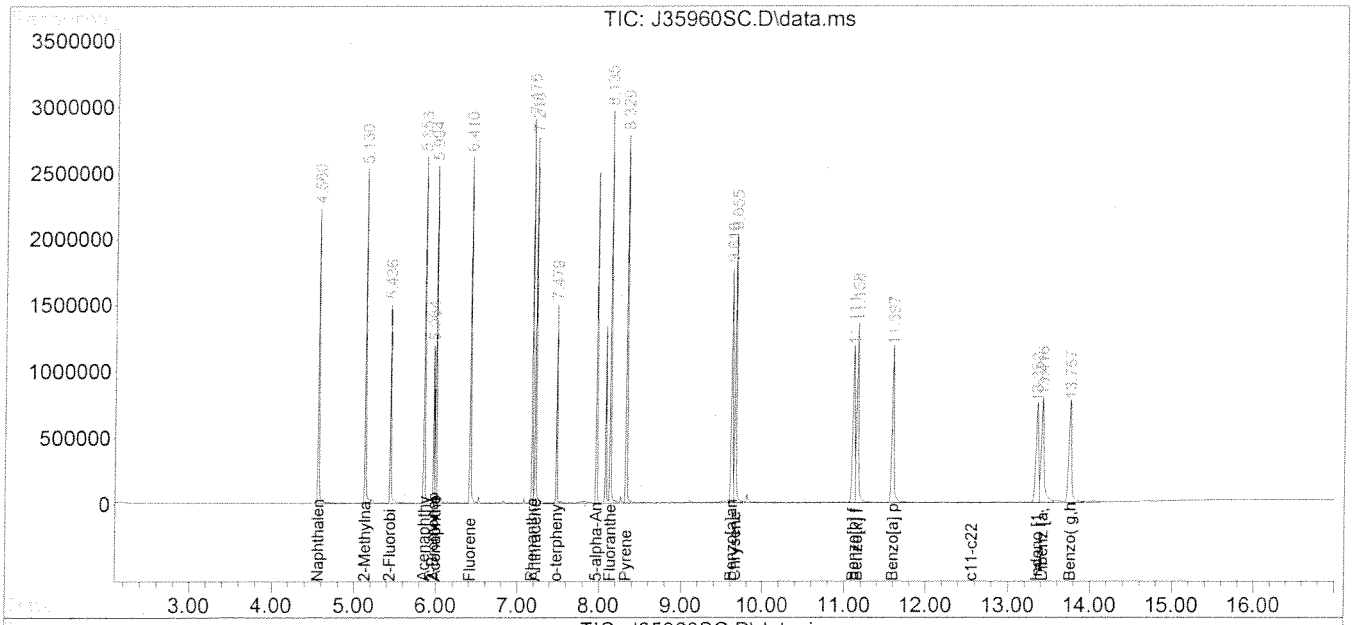
(f)=RT Delta > 1/2 Window (m)=manual int.

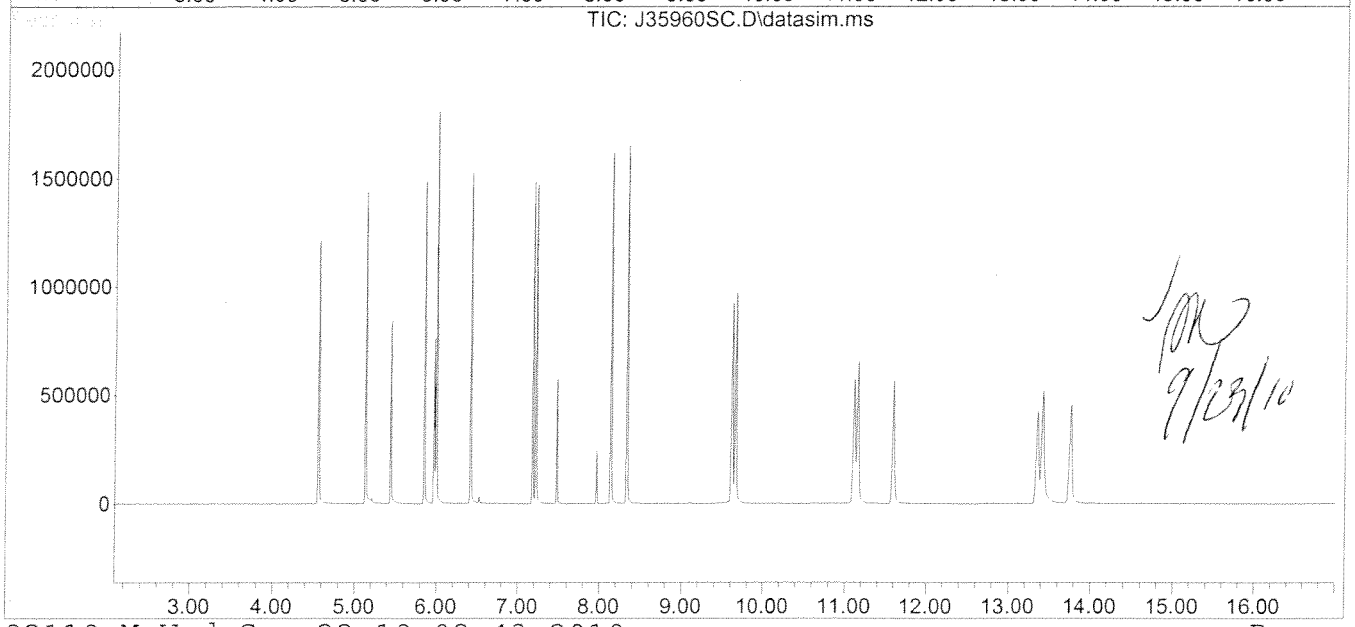
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35960SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:58 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 19:02:42 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67833

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	6995120		11.02	
Upper Limit	13990240		11.08	
Lower limit	3497560		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9700 ALI 5	6392680		11.02	
S9701 ALI 10	6336220		11.02	
S9702 ALI 20	7097680		11.02	
S9704 ALI 50	6719900		11.02	
S9705 ALI 100	6944560		11.02	
S9715 ALI 20 ICV	6985250		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Tune File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Tune Time : 5 Aug 2010 1:47 am

Daily Calibration File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D

6995120

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71447SI.D	S9700 AL	9*	6392677
D71448SI.D	S9701 AL	19*	6336218
D71449SI.D	S9702 AL	39*	7097682
D71451SI.D	S9704 AL	106	6719901
D71452SI.D	S9705 AL	210*	6944560
D71453.D	S9715 AL	96	6985246

t - fails 12hr time check * - fails criteria

Created: Fri Aug 06 01:53:06 2010 GC
MS Ins

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67833

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	5617970		10.78	
Upper Limit	11235940		10.84	
Lower limit	2808985		10.72	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	5637570		10.78	
B092010EASE	5234790		10.78	
L092010EASE	4983560		10.78	
LD092010EASE	5391400		10.78	
67833-1	4863300		10.78	
67833-2	5254010		10.78	
67833-3	5226780		10.78	
67833-4	5405370		10.78	
67833-5	5344420		10.78	
67833-6	5025960		10.78	
67833-6,MS	5078000		10.78	
67833-6,MSD	5484110		10.78	
67833-7	5703010		10.78	
67833-8	5190100		10.78	
67833-9	5493420		10.78	
67833-10	5503410		10.78	
S10042 ALI 40	5815340		10.78	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\092010-D\D71745T.D
Tune Time : 21 Sep 2010 4:10 pm

Daily Calibration File : D:\HPCHEM\1\DATA\092010-D\D71746SC.D

5617970

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71747.D	HEXANE W	0*	5637567
D71748B.D	B092010E	65	5234791
D71749Q.D	L092010E	57	4983557
D71750Q.D	LD092010	62	5391405
D71751.D	67833-1	64	4863304
D71752.D	67833-2	58	5254012
D71753.D	67833-3	59	5226782
D71754.D	67833-4	64	5405373
D71755.D	67833-5	49	5344415
D71756.D	67833-6	56	5025964
D71757SP.D	67833-6,	43	5077995
D71758SP.D	67833-6,	53	5484114
D71759.D	67833-7	55	5703009
D71760.D	67833-8	48	5190100
D71761.D	67833-9	58	5493424
D71762.D	67833-10	52	5503412
D71763SC.D	S10042 A	78	5815337

t - fails 12hr time check * - fails criteria

Created: Wed Sep 22 01:34:56 2010 GC MS Ins

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67833

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6035930		10.78	
Upper Limit	12071860		10.84	
Lower limit	3017965		10.72	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	6116530		10.78	
B092010EASE,,RR	5411970		10.78	
67833-11	5702740		10.78	
67833-12	5442590		10.79	
67833-13	5452840		10.78	
67833-14	6056770		10.78	
67833-15	5718350		10.78	
67833-16	5815370		10.78	
S10042 ALI 40	6555090		10.78	
S10042 ALI 40	6791190		10.78	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Daily Calibration File : D:\HPCHEM\1\DATA\092110-D\D71766SC.D
Time Acquired : 22 Sep 2010 2:39 am

DG 2210
ALI

6035930

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71766SC.D	S10042 A	82	6035934
D71767.D	~~HEXANE W~~	0*	6116533
D71768B.D	B092010E	66	5411968
D71769B.D	B092010E	63	5270072
D71770Q.D	L092010E	64	5378243
D71771Q.D	~~LD092010~~	66	5609741
D71772.D	67833-11	61	5702745
D71773.D	67833-12	60	5442585
D71774.D	67833-13	50	5452841
D71775.D	67833-14	54	6056772
D71776.D	67833-15	54	5718352
D71777.D	67833-16	47	5815371
D71778.D	67807-1	18*	5558057
D71779.D	67807-2	62	5294748
D71780.D	67807-3	37*	5855954
D71781.D	67807-2,	13*	5330805
D71781SC.D	S10042 A	80	6555086
D71782SC.D	S10042 A	78	6791188

t - fails 24hr time check * - fails criteria

Created: Wed Sep 22 15:16:12 2010 GC
MS Ins

9/22/10

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67833

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	102381		7.96	
Upper Limit	204762		8.02	
Lower limit	51191		7.90	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	102821		7.97	
S9707 ARO 5	106433		7.97	
S9708 ARO 10	108670		7.96	
S9710 ARO 50	108242		7.97	
S9711 ARO 100	96457		7.97	
S9716 ARO 20 ICV	105542		7.97	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\DATA\092110-J\J35915T.D
Tune Time : 21 Sep 2010 10:24 pm

Full ARO MS

Daily Calibration File : C:\msdchem\1\DATA\092110-J\J35925SI.D

PM 9/22/10

102381

File	Sample	Surrogate Recovery %			Internal Standard Responses
J35922SI.D					
	S9706 ARO	8*	7*	4*	102821
J35923SI.D					
	S9707 ARO	18*	18*	11*	106433
J35924SI.D					
	S9708 ARO	35*	33*	21*	108670
J35926SI.D					
	S9710 ARO	153*	151*	92	108242
J35927SI.D					
	S9711 ARO	263*	264*	162*	96457
J35928.D					
	S9716 ARO	0*	0*	92	105542

(fails) - fails 12hr time check * - fails criteria

Created: Wed Sep 22 04:05:06 2010 Instrument J

J42210

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\DATA\092110-J\J35915T.D
Tune Time : 21 Sep 2010 10:24 pm

PRO GC

Daily Calibration File : C:\msdchem\1\DATA\092110-J\J35925SI.D

PR 9/22/10

22239300

File	Sample	Surrogate Recovery %			Internal Standard Responses
J35922SI.D					
	S9706 ARO	7*	7*	5*	22928836
J35923SI.D					
	S9707 ARO	18*	19*	12*	23619712
J35924SI.D					
	S9708 ARO	33*	35*	21*	24272930
J35926SI.D					
	S9710 ARO	142*	161*	91	24150972
J35927SI.D					
	S9711 ARO	235*	268*	148*	22218719
J35928.D					
	S9716 ARO	-5*	142*	101	23240829

(fails) - fails 12hr time check * - fails criteria

Created: Wed Sep 22 04:53:04 2010 Instrument J

J92210

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67833

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	112887		7.96	
Upper Limit	225774		8.02	
Lower limit	56444		7.90	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	96735		7.97	
B092010EASE	85297		7.96	
L092010EASE	87921		7.96	
LD092010EASE	101781		7.96	
L092010EASE	99837		7.96	
LD092010EASE	99129		7.96	
67833-1	96624		7.96	
67833-2	103754		7.96	
67833-3	90552		7.96	
67833-4	99199		7.96	
67833-5	95009		7.96	
67833-6	92440		7.96	
67833-6,MS	93214		7.96	
67833-6,MSD	93716		7.96	
67833-7	99666		7.96	
67833-8	98190		7.96	
67833-9	88512		7.96	
67833-10	95096		7.97	
67833-11	84124		7.96	
67833-12	91068		7.97	
67833-13	87987		7.97	
67833-14	102289		7.97	
67833-15	91355		7.97	
67833-16	91717		7.967	
S10041 ARO 20	100074		7.962	
S10041 ARO 20	98679		7.962	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\DATA\092110-J\J35930T.D
Tune Time : 22 Sep 2010 4:30 am

Daily Calibration File : C:\msdchem\1\DATA\092110-J\J35931SC.D

542210
ARO MS

File	Sample	Surrogate Recovery %			Internal Standard Responses	
					112887	
J35931SC.D	S10041 ARO	64	64	42	112887	
J35932.D	HEXANE W/I	0*	0*	0*	96735	
J35933B.D	B092010EAS	82	75	79	85297	
J35934Q.D	L092010EAS	79	72	71	87921	
J35935Q.D	LD092010EA	79	73	75	101781	
J35936Q.D	L092010EAS	0*	5*	0*	99837	ALF
J35937Q.D	LD092010EA	0*	7*	0*	99129	ALF
J35938.D	67833-1	74	70	66	96624	
J35939.D	67833-2	76	74	70	103754	
J35940.D	67833-3	82	76	71	90552	
J35941.D	67833-4	83	70	77	99199	
J35942.D	67833-5	80	74	67	95009	
J35943.D	67833-6	73	70	58	92440	
J35944SP.D	67833-6,MS	78	73	45	93214	
J35945SP.D	67833-6,MS	71	63	49	93716	
J35946.D	67833-7	87	73	72	99666	
J35947.D	67833-8	76	75	52	98190	
J35948.D	67833-9	84	82	71	88512	
J35949.D	67833-10	76	73	62	95096	

9/23/10

J35950.D						
	67833-11	88	83	71	84124	
J35951.D						
	67833-12	80	78	69	91068	
J35952.D						
	67833-13	81	71	69	87987	
J35953.D						
	67833-14	81	78	72	102289	
J35954.D						
	67833-15	85	77	71	91355	
J35955.D						
	67833-16	79	77	69	91717	
J35956.D						
	67807-1	88	83	21*	87960	RR
J35957.D						
	67807-2	87	74	57	79069	
J35958.D						
	67807-3	75	72	41	99140	
J35959SC.D						
	S10041 ARO	63	63	42	112957	
J35960SC.D						
	S10041 ARO	63	62	41	100358	

J922W

(fails) - fails 12hr time check * - fails criteria

Created: Wed Sep 22 18:58:59 2010 Instrument J

JPN 9/23/10

GC QA-QC Check Report

Daily Calibration File : C:\msdchem\1\DATA\092110-J\J35931SC.D
Time Acquired : 22 Sep 2010 4:53 am

J42210
ARO GC

25026400

File	Sample	Surrogate Recovery %			Internal Standard Responses
J35931SC.D	S10041 ARO	63	67	42	25026389
J35932.D	HEXANE W/I	-5*	0*	-5*	21497753
J35933B.D	B092010EAS	82	81	83	19263923
J35938.D	67833-1	77	80	71	21109245
J35939.D	67833-2	75	82	73	23199874
J35940.D	67833-3	84	85	74	20145268
J35941.D	67833-4	83	77	79	22235549
J35942.D	67833-5	81	82	70	21044569
J35943.D	67833-6	71	78	59	20762721
J35946.D	67833-7	89	81	75	21957358
J35947.D	67833-8	76	82	51	21890860
J35948.D	67833-9	83	89	71	19979055
J35949.D	67833-10	79	83	65	20949889
J35950.D	67833-11	89	92	74	18654803
J35951.D	67833-12	83	89	72	20070895
J35952.D	67833-13	81	79	70	19876544
J35953.D	67833-14	91	115	73	23040521
J35954.D	67833-15	87	85	75	20408247
J35955.D	67833-16	80	86	71	20348416
J35956.D					

9/23/10

	67807-1	84	88	21	20695484
J35957.D					
	67807-2	59	59	44	25443452
J35958.D					
	67807-3	76	80	40*	21949603
J35959SC.D					
	S10041 ARO	63	66	41	25165258
J35960SC.D					
	S10041 ARO	63	64	41	22255939

(fails) - fails 12hr time check * - fails criteria

Created: Wed Sep 22 19:04:13 2010 Instrument J

J42210

ARO GC

9/23/10

CHAIN OF CUSTODIES

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:COC.doc

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 5 06/18/08

Samples were:
1) Shipped or ~~hand-delivered~~
2) Temp blank °C 6° ice
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: CP 9/20/10

Cooler #63

Project#: 106-2282 Proj. Name: NAS SOWEY SOIL ~~REM~~ WIPE

Company: Tetra Tech Inc.

Contact: BRIAN CORBETT

Address: 133 Federal Street
Boston, MA 02110

Phone: 1-617-457-8200 PO# Quote #

Sampler (Signature): [signature]

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
C-B82-APN-B-01	9/20/10	0810	EPH VPH		✓				✓		S	3	G		67833-1
C-B82-APN-B-02	9/20/10	0815	" "		✓				✓		S	3	G		2
C-B82-APN-B-03	9/20/10	0820	" "		✓				✓		S	3	G		3
C-B82-APN-B-04	9/20/10	0825	" "		✓				✓		S	3	G		4
C-B82-APN-SW-05	9/20/10	0940	" "		✓				✓		S	3	G		5
C-B82-APN-SW-06	9/20/10	0925	" "		✓				✓		S	9	G		6
C-B82-APN-SW-07	9/20/10	0915	" "		✓				✓		S	3	G		7
C-B82-APN-SW-08	9/20/10	0845	" "		✓				✓		S	3	G		8
C-B82-APN-SW-09	9/20/10	0840	" "		✓				✓		S	3	G		9
C-B82-APN-SW-10	9/20/10	0830	" "		✓				✓		S	3	G		10
~~Trip Blank~~ CP 9/20/10			VPH									2	G		-17 (*)

Preservation

Email Results to: BRIAN CORBETT

Turnaround Time (TAT)
- [ ] 24hr*
- [x] 48hr*
- [ ] 72hr*
- [ ] 5 Days*
- [ ] 10 Days

*Fee may apply; lab approval required

Comments / Instructions:
C-B82-APN-B-04D DUPLICATE -16
C-B82-APN-SW-06 MS/MSD.
(*) only DI vials provided - see non-compliance form - CP 9/20/10

Project Requirements:
*Fee may apply

Report Type:
- [ ] MCP*
- [ ] CTRCP*
- [x] DOD*
- [ ] Standard
- [ ] Level II*
- [ ] Level III*
- [ ] Level IV*

State:
- [ ] NH
- [x] MA
- [ ] ME
- [ ] CT
- [ ] RI

Other:

State Standard: (eg. S-1 or GW-1)

EDD Required: Y* N

Type:

Relinquished By: Sampler	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
[signature]	[signature]				[signature] 9-20-10
Date: 9/20/10	Time: 1600	Date:	Time:	Date:	Time:

Analytics\AEL Documents\AEL COC

Page 1 of 2

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 5 06/18/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 6°
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: CR 9/20/10

Project#: 106-2282 Proj. Name: NAS SOWET SOIL & PIPE
Company: Tetra Tech Inc.
Contact: BRIAN CORBETT
Address: 133 Federal Street
Boston, MA 02110
Phone: 1-617-457-8200 PO# Quote #
Sampler (Signature): [signature]

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #	
C-B82-APN-SW-11	9/20/10	0835	EPH VPH		✓				✓		S	3	G		67833	11
C-B82-APN-SW-12	9/20/10	0850	" "		✓				✓		S	3	G			12
C-B82-APN-SW-13	9/20/10	0910	" "		✓				✓		S	3	G			13
C-B82-APN-SW-14	9/20/10	0920	" "		✓				✓		S	3	G			14
C-B82-APN-SW-15	9/20/10	0940	" "		✓				✓		S	3	G			15
Trip Blank																

CR 9/20/10

Received By: [signature] Time: 16:00 Date: 9/20/10
Received By: Time: Date:
Received By: Time: Date:

Relinquished By: Sampler [signature]
Relinquished By: Time: Date:
Relinquished By: Time: Date:

Comments / Instructions:

Email Results to: BRIAN CORBETT

Turnaround Time (TAT)
- [ ] 24hr*
- [x] 48hr*
- [ ] 72hr*
- [ ] 5 Days*
- [ ] 10 Days

*Fee may apply; lab approval required

Project Requirements:
*Fee may apply

Report Type:
- [ ] MCP*
- [ ] Level II*
- [ ] CTRCP*
- [ ] Level III*
- [ ] DOD*
- [ ] Level IV*
- [ ] Standard

State:
- [ ] NH
- [ ] MA
- [ ] ME
- [ ] CT
- [ ] RI

Other:

State Standard: (eg. S-1 or GW-1)

EDD Required: Y* N

Type:

Analytics\AEL Documents\AEL COC

Page 2 of 2

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 67833 COOLER NUMBER: 63

CLIENT: TTEC NUMBER OF COOLERS: 1

PROJECT: NAS Sewey Soil Pipe DATE RECEIVED: 9/20/10

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 9/20/10

1. Cooler received by(initials): LM Date Received: 9/20/10

2. Circle one: Hand delivered (If so, skip 3) Shipped

3. Did cooler come with a shipping slip? Y N/A

3a. Enter carrier name and airbill number here: —

4. Were custody seals on the outside of cooler? Y N
How many & where: — Seal Date: — Seal Name: —

5. Did the custody seals arrive unbroken and intact upon arrival? Y N/A

6. COC#: N/A

7. Were Custody papers filled out properly (ink,signed, etc)? Y N

8. Were custody papers sealed in a plastic bag? Y N

9. Did you sign the COC in the appropriate place? Y N

10. Was the project identifiable from the COC papers? Y N

11. Was enough ice used to chill the cooler? Y N Temp. of cooler: _____

B. Log-In: Date samples were logged in: _____ By: _____

12. Type of packing in cooler(bubble wrap,popcorn) Y N

13. Were all bottles sealed in separate plastic bags? Y N

14. Did all bottles arrive unbroken and were labels in good condition? Y N

15. Were all bottle labels complete(ID,Date,time,etc.) Y N

16. Did all bottle labels agree with custody papers? Y N

17. Were the correct containers used for the tests indicated: Y N - Trip Blanks for VPH in MeOH were DI H_2O preserved (which is not applicable)

18. Were samples received at the correct pH? Y N/A

19. Was sufficient amount of sample sent for the tests indicated? Y N

20. Were bubbles absent in VOA samples? Y N/A

If NO, List Sample ID's and Lab #s: _____

21. Laboratory labeling verified by (initials): CP Date: 9/20/10

analytics environmental laboratory LLC

SAMPLE RECEIPT
NON-COMPLIANCE NOTIFICATION
(SENT VIA FACSIMILE)

DATE 9-20-10 FROM _____

FAX CONTACT Brian Corbett FAX NUMBER _____

CLIENT TTEC LAB NUMBER ~~67834~~ 67833 CO 9/20/10

The exceptions noted below were found on the sample(s) received on the attached Chain of Custody (COC) form. These exceptions may render the data results as non-defensible. Analytics will continue to proceed with the analysis of the sample(s) unless notified in writing to stop the analysis. This document may become part of the final report.

Please check the appropriate box and sign below and fax back to "Sample Receipt" at 603-430-2151.

Exceptions:

- [ ] Sample(s) not on ice or not at $4^{o}C \pm 2^{o}C$
- [ ] Sample(s) received unpreserved or not at the proper pH. (pH was adjusted at the laboratory)
- [x] Sample(s) received in incorrect containers - Trip Blank vials are DI H_2O and not applicable for MeOH preserved VPH
- [ ] Insufficient sample volume received (Detection limits may be elevated due to this exception)
- [ ] Trip Blank provided in cooler, but not recorded on the chain of custody
- [ ] Other: _____

Acknowledgment:

- [x] **Please do not analyze/report Trip Blank, proceed with other analyses**
- [ ] **Proceed with the analysis.**
- [ ] **Please stop the analysis and wait for further instructions.**

Signed: Email **Print Name:** _____

Date: 09/21/10

67833

From: "Craigie, Keir" <Keir.Craigie@tetratech.com>
Subject: **RE: COCs for samples received 09/20/10**
Date: September 21, 2010 10:26:34 AM EDT
To: Kate Zaleski <kzaleski@analyticslab.com>, "Corbett, Brian" <Brian.Corbett@tetratech.com>

Hi Kate,

Please hold the analysis of the trip blank that came with the VPH samples for now.

Thank you,

Keir

Keir Craigie | Senior Chemist
Direct: 425.482.7647 | Fax: 425.482.7642 |
Keir.Craigie@tetratech.com

Tetra Tech EC | Sciences
19803 North Creek Parkway | Bothell, WA 98011 | www.tetratech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.
Think Green - Not every email needs to be printed.

-----Original Message-----
From: Kate Zaleski [mailto:kzaleski@analyticslab.com]
Sent: Tuesday, September 21, 2010 5:33 AM
To: Corbett, Brian; Craigie, Keir
Subject: COCs for samples received 09/20/10

Good morning Brian,
Attached are the COCs we received late yesterday. They will be logged in today. Please note the non-conformance associated with the trip blank and let me know if you'd like us to analyze it.

Thanks,
Kate

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

October 3, 2010

Mr. Brian Corbett
Tetra TECH EC, Inc.
160 Federal Street, 6th Floor
Boston, MA 02110

RE: Analytical Results Case Narrative
Analytics # 67834
NAS SOWEY Blg. 82
South Weymouth, MA

Dear Mr. Corbett:

Enclosed please find the analytical results for samples collected from the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260B, Volatile Petroleum Hydrocarbons (VPH) using MADEP VPH Method Rev 1.1, May 2004, Extractable Petroleum Hydrocarbons by Massachusetts DEP EPH Method, Rev 1.1 May 2004 and TAL Metals. The TAL Metals analyses were subcontracted to Test America Laboratories, GA.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level IV package has been assembled in the following order:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- MCP Cover Pages
- Summary Report
- Sample Logbook Pages/Extraction Data Sheets
- VOA Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- VOA Form 2 Surrogate Recoveries
- VOA Form 3 MS/MSD (LCS) Recoveries
- VOA Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
- VOA Form 5 DFTPP Tune Summaries
- VOA Form 6 Initial Calibration Data (equiv.) Response Factor Report
- VOA Form 7 Continuing Calibration Check (equiv.)
- VOA Form 8 Internal Standard Area and RT Summary
- VPH Form 1 Data Sheet
- VPH Form 2 Surrogate Recoveries
- VPH Form 3 MS/MSD and LCS/LCSD Recoveries
- VPH Form 4 Method Blank Summary GC/MS Logbook Sheets
- VPH Form 5 BFB Tune Summaries (24-hr. Tune Window)
- VPH Form 6 Initial Calibration Data Target Compounds and Ranges
- VPH Form 7 Continuing Calibration Check
- VPH Form 8 RT Summary

EPH Form 2 Surrogate Recoveries
EPH Form 3 MS/MSD and LCS/LCSD Recoveries
EPH Form 4 Method Blank Summary GC/MS Logbook Sheets
EPH Form 5 DFTPP Tune Summaries (24-hr. Tune Window)
EPH Form 6 Initial Calibration Data Target Compounds and Ranges
EPH Form 7 Continuing Calibration Check (equiv.)
EPH Form 8 Internal Standard Area and RT Summary
Chain of Custody (COC) Forms
Sample Receipt Checklist

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations.

VOCs by EPA Method 8260B:
This narrative is specific to the list of target analytes requested by the client and reported on the Form 1 data pages. Non-target (NT) analyte deviations were not addressed. The following analytes were not reported below the quantitation limit in this report: Methylene chloride, Acetone, Methyl Iodide, Hexachlorobutadiene, and Naphthalene.

Naphthalene used quadratic fit for quantitation.

The laboratory blank (LB09280I) had Methyl iodide detected below the limit of quantitation but above the limit of detection. Samples with methyl iodide detected were reported with a "B" flag.

The Trip Blank 67834-10 had Methylene chloride and Acetone detected. These analytes were also detected in the samples. The laboratory blanks (LB09280I &LB09280I2) were non-detect for all analytes except as stated above. Results were reported without qualification.

The laboratory control sample (LL09280I) had recoveries for Methyl iodide and Vinyl acetate outside the laboratory acceptance criteria but within MCP criteria. The laboratory control sample duplicate (LL09280I2) had similar results for Vinyl acetate however Methyl iodide was above MCP acceptance criteria. In addition the laboratory control sample duplicate had recovery for Tetrachlorethene above laboratory criteria but within MCP criteria. Results were reported without qualification.

The laboratory control samples (LL09280I3/LL09280I4) had recoveries outside acceptance criteria for Vinyl acetate and Tetrachloroethene. These analytes were not detected in any samples for this SDG and results were reported without qualification.

The continuing calibration standard (file#I44014SC) had %D or %drift outside acceptance criteria for Methylene chloride, Methyl ethyl ketone, 2-Hexanone and 1,2-Dibromo-3-chloropropane. The standard was reanalyzed (file#I44015SC) with all anlaytes in control except Methyl iodide that had %D of 24.7%. Results were reported without qualification.

The continuing calibration standard (file#I44038SC) had %D or %drift outside acceptance criteria for Methyl isobutyl ketone, 2-Hexanone, Naphthalnene and 1,2-Dibromo-3-chloropropane. The standard was reanalyzed (file#I44039SC) with all anlaytes in control. Results were reported without qualification.

Volatile Petroleum Hydrocarbons (VPH):
No results were reported below the quantitation limit for C9-C10 aromatic range.

Sample 67834-5 required dilution due to the concentrations of hydrocarbons detected in the sample.

The laboratory control sample pair (LSV092110K3/LSV092110K4) had RPD above acceptance criteria for Naphthalene. All analyte recoveries were in control. Results were reported without qualification.

The laboratory control sample pair (LSV092210K3LSV092210K2) had RPD above acceptance criteria for Methyl-t-butylether and Naphthalene. All analyte recoveries were in control. The MS/MSD analyzed on sample 67834-18 had low recovery for 2,2,4-Trimethylpentane. The MSD was in control for all analyte recoveries. The laboratory control samples were in control except as stated above. Results were reported without qualification.

Extractable Petroleum Hydrocarbons (EPH):
Several analytes used quadratic fit for quantitation (see plots provided).

Samples 67834-5 and 67834-6 required dilution due to the concentrations of hydrocarbons detected in the sample.

If you have any questions or I can be of further assistance, please do not hesitate to contact me.

Sincerely
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

Report Number: 67834

Revision: Rev. 0

Re: Bldg. 82, SOWEY (Project No: CT048)

Enclosed are the results of the analyses on your sample(s). Samples were received on 20 September 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Sample Analysis: The attached pages detail the Client Sample IDs, Lab Sample IDs, and Analyses requested

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 9/23/2010

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

CLIENT: Tetra Tech EC, Inc. **REPORT NUMBER: 67834** **REV: Rev. 0**

PROJECT: Bldg. 82, SOWEY (Project No: CT048)

Lab Number	Sample Date	Station Location	Analysis	Comments
67834-1	09/20/10	C-B82-GTM1-SW-01	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM1-SW-01	MADEP EPH	
	09/20/10	C-B82-GTM1-SW-01	Volatile Petroleum Hydrocarbons	
67834-2	09/20/10	C-B82-GTM1-SW-02	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM1-SW-02	MADEP EPH	
	09/20/10	C-B82-GTM1-SW-02	Volatile Petroleum Hydrocarbons	
67834-3	09/20/10	C-B82-GTM1-SW-03	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM1-SW-03	MADEP EPH	
	09/20/10	C-B82-GTM1-SW-03	Volatile Petroleum Hydrocarbons	
67834-4	09/20/10	C-B82-GTM1-SW-04	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM1-SW-04	MADEP EPH	
	09/20/10	C-B82-GTM1-SW-04	Volatile Petroleum Hydrocarbons	
67834-5	09/20/10	C-B82-GTM1-B-5	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM1-B-5	MADEP EPH	
	09/20/10	C-B82-GTM1-B-5	Volatile Petroleum Hydrocarbons	
67834-6	09/20/10	C-B82-GTM1-B5D	MADEP EPH	
67834-7	09/20/10	C-B82-GTM2-SW-01	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM2-SW-01	TAL Metals	
	09/20/10	C-B82-GTM2-SW-01	Volatile Petroleum Hydrocarbons	
67834-8	09/20/10	C-B82-GTM2-SW-02	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM2-SW-02	TAL Metals	
	09/20/10	C-B82-GTM2-SW-02	Volatile Petroleum Hydrocarbons	
67834-9	09/20/10	C-B82-GTM2-SW-02D	TAL Metals	
67834-10	09/20/10	Trip Blank	EPA 8260 Volatile Organics	
67834-11	09/20/10	C-B82-GTM2-SW-03	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM2-SW-03	TAL Metals	
	09/20/10	C-B82-GTM2-SW-03	Volatile Petroleum Hydrocarbons	
67834-12	09/20/10	C-B82-GTM2-SW-04	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM2-SW-04	TAL Metals	
	09/20/10	C-B82-GTM2-SW-04	Volatile Petroleum Hydrocarbons	
67834-13	09/20/10	C-B82-GTM2-SW-04D	EPA 8260 Volatile Organics	
67834-14	09/20/10	C-B82-GTM2-B-5	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM2-B-5	TAL Metals	
	09/20/10	C-B82-GTM2-B-5	Volatile Petroleum Hydrocarbons	
67834-15	09/20/10	C-B82-GTM3-SW-01	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM3-SW-01	MADEP EPH	
	09/20/10	C-B82-GTM3-SW-01	Volatile Petroleum Hydrocarbons	

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

CLIENT: Tetra Tech EC, Inc. **REPORT NUMBER: 67834** **REV: Rev. 0**

PROJECT: Bldg. 82, SOWEY (Project No: CT048)

Lab Number	Sample Date	Station Location	Analysis	Comments
67834-16	09/20/10	C-B82-GTM3-SW-03	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM3-SW-03	MADEP EPH	
	09/20/10	C-B82-GTM3-SW-03	Volatile Petroleum Hydrocarbons	
67834-17	09/20/10	C-B82-GTM3-B-5	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM3-B-5	MADEP EPH	
	09/20/10	C-B82-GTM3-B-5	Volatile Petroleum Hydrocarbons	
67834-18	09/20/10	C-B82-GTM3-SW-04	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM3-SW-04	MADEP EPH	
	09/20/10	C-B82-GTM3-SW-04	Volatile Petroleum Hydrocarbons	
67834-19	09/20/10	C-B82-GTM3-SW-04D	Electronic Data Deliverable	
	09/20/10	C-B82-GTM3-SW-04D	Volatile Petroleum Hydrocarbons	

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 67834

Project Location: Bldg. 82, SOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

67834-1 through 67834-19

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☒	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☒	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☒ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 03, 2010

Summary Report

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: LB09280I
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	**1.3 J**	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	101	%	d8-Toluene	100	%	Bromofluorobenzen	100	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: LB0928012
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	101	%	d8-Toluene	100	%	Bromofluorobenzen	99 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-1
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM1-SW-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.3	U	1,1,2-Trichloroethane	2.3	U
Chloromethane	2.3	U	1,3-Dichloropropane	2.3	U
Vinyl Chloride	2.3	U	Tetrachloroethene	2.3	U
Bromomethane	2.3	U	2-Hexanone	12	U
Chloroethane	2.3	U	Dibromochloromethane	2.3	U
Trichlorofluoromethane	2.3	U	1,2-Dibromoethane	2.3	U
1,1-Dichloroethene	2.3	U	Chlorobenzene	2.3	U
Acetone	12	**35**	1,1,1,2-Tetrachloroethane	2.3	U
Methyl iodide	2.3	U	Ethylbenzene	2.3	U
Carbon Disulfide	2.3	U	o-Xylene	2.3	U
Methylene Chloride	12	**17**	m,p-Xylene	2.3	U
trans-1,2-Dichloroethene	2.3	U	Styrene	2.3	U
Methyl-tert-butyl ether (MTBE)	2.3	U	Bromoform	2.3	U
1,1-Dichloroethane	2.3	U	Isopropylbenzene	2.3	U
Vinyl acetate	5.8	U	1,1,2,2-Tetrachloroethane	2.3	U
Methyl ethyl ketone	12	U	Bromobenzene	2.3	U
cis-1,2-Dichloroethene	2.3	U	1,2,3-Trichloropropane	2.3	U
2,2-Dichloropropane	2.3	U	n-Propylbenzene	2.3	U
Bromochloromethane	2.3	U	2-Chlorotoluene	2.3	U
Chloroform	2.3	U	1,3,5-Trimethylbenzene	2.3	U
1,1,1-Trichloroethane	2.3	U	4-Chlorotoluene	2.3	U
1,1-Dichloropropene	2.3	U	tert-butylbenzene	2.3	U
Carbon Tetrachloride	2.3	U	1,2,4-Trimethylbenzene	2.3	U
1,2-Dichloroethane	2.3	U	sec-butylbenzene	2.3	U
Benzene	2.3	U	p-isopropyltoluene	2.3	U
Trichloroethene	2.3	U	1,3-Dichlorobenzene	2.3	U
1,2-Dichloropropane	2.3	U	1,4-Dichlorobenzene	2.3	U
Dibromomethane	2.3	U	n-butylbenzene	2.3	U
Bromodichloromethane	2.3	U	1,2-Dichlorobenzene	2.3	U
cis-1,3-Dichloropropene	2.3	U	1,2-Dibromo-3-chloropropane	2.3	U
Methyl isobutyl ketone	12	U	1,2,4-Trichlorobenzene	2.3	U
Toluene	2.3	U	Hexachlorobutadiene	2.3	U
trans-1,3-Dichloropropene	2.3	U	Naphthalene	2.3	U
			1,2,3-Trichlorobenzene	2.3	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	104	%	d8-Toluene	103	%	Bromofluorobenzen	101	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-2
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM1-SW-02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.1	U	1,1,2-Trichloroethane	2.1	U
Chloromethane	2.1	U	1,3-Dichloropropane	2.1	U
Vinyl Chloride	2.1	U	Tetrachloroethene	2.1	U
Bromomethane	2.1	U	2-Hexanone	10	U
Chloroethane	2.1	U	Dibromochloromethane	2.1	U
Trichlorofluoromethane	2.1	U	1,2-Dibromoethane	2.1	U
1,1-Dichloroethene	2.1	U	Chlorobenzene	2.1	U
Acetone	10	**27**	1,1,1,2-Tetrachloroethane	2.1	U
Methyl iodide	2.1	U	Ethylbenzene	2.1	U
Carbon Disulfide	2.1	U	o-Xylene	2.1	U
Methylene Chloride	10	**12**	m,p-Xylene	2.1	U
trans-1,2-Dichloroethene	2.1	U	Styrene	2.1	U
Methyl-tert-butyl ether (MTBE)	2.1	U	Bromoform	2.1	U
1,1-Dichloroethane	2.1	U	Isopropylbenzene	2.1	U
Vinyl acetate	5.2	U	1,1,2,2-Tetrachloroethane	2.1	U
Methyl ethyl ketone	10	U	Bromobenzene	2.1	U
cis-1,2-Dichloroethene	2.1	U	1,2,3-Trichloropropane	2.1	U
2,2-Dichloropropane	2.1	U	n-Propylbenzene	2.1	U
Bromochloromethane	2.1	U	2-Chlorotoluene	2.1	U
Chloroform	2.1	U	1,3,5-Trimethylbenzene	2.1	U
1,1,1-Trichloroethane	2.1	U	4-Chlorotoluene	2.1	U
1,1-Dichloropropene	2.1	U	tert-butylbenzene	2.1	U
Carbon Tetrachloride	2.1	U	1,2,4-Trimethylbenzene	2.1	U
1,2-Dichloroethane	2.1	U	sec-butylbenzene	2.1	U
Benzene	2.1	U	p-isopropyltoluene	2.1	U
Trichloroethene	2.1	U	1,3-Dichlorobenzene	2.1	U
1,2-Dichloropropane	2.1	U	1,4-Dichlorobenzene	2.1	U
Dibromomethane	2.1	U	n-butylbenzene	2.1	U
Bromodichloromethane	2.1	U	1,2-Dichlorobenzene	2.1	U
cis-1,3-Dichloropropene	2.1	U	1,2-Dibromo-3-chloropropane	2.1	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2.1	U
Toluene	2.1	U	Hexachlorobutadiene	2.1	U
trans-1,3-Dichloropropene	2.1	U	Naphthalene	2.1	U
			1,2,3-Trichlorobenzene	2.1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105 %	d8-Toluene	100 %	Bromofluorobenzen	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-3
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM1-SW-03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	1.7	U	1,1,2-Trichloroethane	1.7	U
Chloromethane	1.7	U	1,3-Dichloropropane	1.7	U
Vinyl Chloride	1.7	U	Tetrachloroethene	1.7	U
Bromomethane	1.7	U	2-Hexanone	8.6	U
Chloroethane	1.7	U	Dibromochloromethane	1.7	U
Trichlorofluoromethane	1.7	U	1,2-Dibromoethane	1.7	U
1,1-Dichloroethene	1.7	U	Chlorobenzene	1.7	U
Acetone	8.6	**22**	1,1,1,2-Tetrachloroethane	1.7	U
Methyl iodide	1.7	U	Ethylbenzene	1.7	U
Carbon Disulfide	1.7	U	o-Xylene	1.7	U
Methylene Chloride	8.6	U	m,p-Xylene	1.7	U
trans-1,2-Dichloroethene	1.7	U	Styrene	1.7	U
Methyl-tert-butyl ether (MTBE)	1.7	U	Bromoform	1.7	U
1,1-Dichloroethane	1.7	**2.4**	Isopropylbenzene	1.7	U
Vinyl acetate	4.3	U	1,1,2,2-Tetrachloroethane	1.7	U
Methyl ethyl ketone	8.6	U	Bromobenzene	1.7	U
cis-1,2-Dichloroethene	1.7	U	1,2,3-Trichloropropane	1.7	U
2,2-Dichloropropane	1.7	U	n-Propylbenzene	1.7	U
Bromochloromethane	1.7	U	2-Chlorotoluene	1.7	U
Chloroform	1.7	U	1,3,5-Trimethylbenzene	1.7	U
1,1,1-Trichloroethane	1.7	**4.8**	4-Chlorotoluene	1.7	U
1,1-Dichloropropene	1.7	U	tert-butylbenzene	1.7	U
Carbon Tetrachloride	1.7	U	1,2,4-Trimethylbenzene	1.7	U
1,2-Dichloroethane	1.7	U	sec-butylbenzene	1.7	U
Benzene	1.7	U	p-isopropyltoluene	1.7	U
Trichloroethene	1.7	U	1,3-Dichlorobenzene	1.7	U
1,2-Dichloropropane	1.7	U	1,4-Dichlorobenzene	1.7	U
Dibromomethane	1.7	U	n-butylbenzene	1.7	U
Bromodichloromethane	1.7	U	1,2-Dichlorobenzene	1.7	U
cis-1,3-Dichloropropene	1.7	U	1,2-Dibromo-3-chloropropane	1.7	U
Methyl isobutyl ketone	8.6	U	1,2,4-Trichlorobenzene	1.7	U
Toluene	1.7	U	Hexachlorobutadiene	1.7	U
trans-1,3-Dichloropropene	1.7	U	Naphthalene	1.7	U
			1,2,3-Trichlorobenzene	1.7	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	106	%	d8-Toluene	103	%	Bromofluorobenzen	102 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-4
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM1-SW-04

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.1	U	1,1,2-Trichloroethane	2.1	U
Chloromethane	2.1	U	1,3-Dichloropropane	2.1	U
Vinyl Chloride	2.1	U	Tetrachloroethene	2.1	U
Bromomethane	2.1	U	2-Hexanone	10	U
Chloroethane	2.1	U	Dibromochloromethane	2.1	U
Trichlorofluoromethane	2.1	U	1,2-Dibromoethane	2.1	U
1,1-Dichloroethene	2.1	U	Chlorobenzene	2.1	U
Acetone	10	**28**	1,1,1,2-Tetrachloroethane	2.1	U
Methyl iodide	2.1	U	Ethylbenzene	2.1	U
Carbon Disulfide	2.1	U	o-Xylene	2.1	U
Methylene Chloride	10	**15**	m,p-Xylene	2.1	U
trans-1,2-Dichloroethene	2.1	U	Styrene	2.1	U
Methyl-tert-butyl ether (MTBE)	2.1	U	Bromoform	2.1	U
1,1-Dichloroethane	2.1	U	Isopropylbenzene	2.1	U
Vinyl acetate	5.1	U	1,1,2,2-Tetrachloroethane	2.1	U
Methyl ethyl ketone	10	U	Bromobenzene	2.1	U
cis-1,2-Dichloroethene	2.1	U	1,2,3-Trichloropropane	2.1	U
2,2-Dichloropropane	2.1	U	n-Propylbenzene	2.1	U
Bromochloromethane	2.1	U	2-Chlorotoluene	2.1	U
Chloroform	2.1	U	1,3,5-Trimethylbenzene	2.1	U
1,1,1-Trichloroethane	2.1	U	4-Chlorotoluene	2.1	U
1,1-Dichloropropene	2.1	U	tert-butylbenzene	2.1	U
Carbon Tetrachloride	2.1	U	1,2,4-Trimethylbenzene	2.1	U
1,2-Dichloroethane	2.1	U	sec-butylbenzene	2.1	U
Benzene	2.1	U	p-isopropyltoluene	2.1	U
Trichloroethene	2.1	U	1,3-Dichlorobenzene	2.1	U
1,2-Dichloropropane	2.1	U	1,4-Dichlorobenzene	2.1	U
Dibromomethane	2.1	U	n-butylbenzene	2.1	U
Bromodichloromethane	2.1	U	1,2-Dichlorobenzene	2.1	U
cis-1,3-Dichloropropene	2.1	U	1,2-Dibromo-3-chloropropane	2.1	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2.1	U
Toluene	2.1	U	Hexachlorobutadiene	2.1	U
trans-1,3-Dichloropropene	2.1	U	Naphthalene	2.1	U
			1,2,3-Trichlorobenzene	2.1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105 %	d8-Toluene	100 %	Bromofluorobenzen	102 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-5
Matrix: Solid
Percent Solid: 87
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM1-B-5

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.2	U	1,1,2-Trichloroethane	2.2	U
Chloromethane	2.2	U	1,3-Dichloropropane	2.2	U
Vinyl Chloride	2.2	U	Tetrachloroethene	2.2	U
Bromomethane	2.2	U	2-Hexanone	11	U
Chloroethane	2.2	U	Dibromochloromethane	2.2	U
Trichlorofluoromethane	2.2	U	1,2-Dibromoethane	2.2	U
1,1-Dichloroethene	2.2	U	Chlorobenzene	2.2	U
Acetone	11	**40**	1,1,1,2-Tetrachloroethane	2.2	U
Methyl iodide	2.2	U	Ethylbenzene	2.2	U
Carbon Disulfide	2.2	**2.0 J**	o-Xylene	2.2	U
Methylene Chloride	11	**24**	m,p-Xylene	2.2	U
trans-1,2-Dichloroethene	2.2	U	Styrene	2.2	U
Methyl-tert-butyl ether (MTBE)	2.2	U	Bromoform	2.2	U
1,1-Dichloroethane	2.2	U	Isopropylbenzene	2.2	U
Vinyl acetate	5.5	U	1,1,2,2-Tetrachloroethane	2.2	U
Methyl ethyl ketone	11	U	Bromobenzene	2.2	U
cis-1,2-Dichloroethene	2.2	U	1,2,3-Trichloropropane	2.2	U
2,2-Dichloropropane	2.2	U	n-Propylbenzene	2.2	U
Bromochloromethane	2.2	U	2-Chlorotoluene	2.2	U
Chloroform	2.2	U	1,3,5-Trimethylbenzene	2.2	U
1,1,1-Trichloroethane	2.2	U	4-Chlorotoluene	2.2	U
1,1-Dichloropropene	2.2	U	tert-butylbenzene	2.2	U
Carbon Tetrachloride	2.2	U	1,2,4-Trimethylbenzene	2.2	U
1,2-Dichloroethane	2.2	U	sec-butylbenzene	2.2	U
Benzene	2.2	U	p-isopropyltoluene	2.2	U
Trichloroethene	2.2	U	1,3-Dichlorobenzene	2.2	U
1,2-Dichloropropane	2.2	U	1,4-Dichlorobenzene	2.2	U
Dibromomethane	2.2	U	n-butylbenzene	2.2	U
Bromodichloromethane	2.2	U	1,2-Dichlorobenzene	2.2	U
cis-1,3-Dichloropropene	2.2	U	1,2-Dibromo-3-chloropropane	2.2	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.2	U
Toluene	2.2	U	Hexachlorobutadiene	2.2	U
trans-1,3-Dichloropropene	2.2	U	Naphthalene	2.2	U
			1,2,3-Trichlorobenzene	2.2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	108	%	d8-Toluene	101	%	Bromofluorobenzen	113 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-7
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM2-SW-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.1	U	1,1,2-Trichloroethane	2.1	U
Chloromethane	2.1	U	1,3-Dichloropropane	2.1	U
Vinyl Chloride	2.1	U	Tetrachloroethene	2.1	U
Bromomethane	2.1	U	2-Hexanone	11	U
Chloroethane	2.1	U	Dibromochloromethane	2.1	U
Trichlorofluoromethane	2.1	U	1,2-Dibromoethane	2.1	U
1,1-Dichloroethene	2.1	U	Chlorobenzene	2.1	U
Acetone	11	**30**	1,1,1,2-Tetrachloroethane	2.1	U
Methyl iodide	2.1	U	Ethylbenzene	2.1	U
Carbon Disulfide	2.1	U	o-Xylene	2.1	U
Methylene Chloride	11	**11**	m,p-Xylene	2.1	U
trans-1,2-Dichloroethene	2.1	U	Styrene	2.1	U
Methyl-tert-butyl ether (MTBE)	2.1	U	Bromoform	2.1	U
1,1-Dichloroethane	2.1	U	Isopropylbenzene	2.1	U
Vinyl acetate	5.4	U	1,1,2,2-Tetrachloroethane	2.1	U
Methyl ethyl ketone	11	U	Bromobenzene	2.1	U
cis-1,2-Dichloroethene	2.1	U	1,2,3-Trichloropropane	2.1	U
2,2-Dichloropropane	2.1	U	n-Propylbenzene	2.1	U
Bromochloromethane	2.1	U	2-Chlorotoluene	2.1	U
Chloroform	2.1	U	1,3,5-Trimethylbenzene	2.1	U
1,1,1-Trichloroethane	2.1	U	4-Chlorotoluene	2.1	U
1,1-Dichloropropene	2.1	U	tert-butylbenzene	2.1	U
Carbon Tetrachloride	2.1	U	1,2,4-Trimethylbenzene	2.1	U
1,2-Dichloroethane	2.1	U	sec-butylbenzene	2.1	U
Benzene	2.1	U	p-isopropyltoluene	2.1	U
Trichloroethene	2.1	U	1,3-Dichlorobenzene	2.1	U
1,2-Dichloropropane	2.1	U	1,4-Dichlorobenzene	2.1	U
Dibromomethane	2.1	U	n-butylbenzene	2.1	U
Bromodichloromethane	2.1	U	1,2-Dichlorobenzene	2.1	U
cis-1,3-Dichloropropene	2.1	U	1,2-Dibromo-3-chloropropane	2.1	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.1	U
Toluene	2.1	U	Hexachlorobutadiene	2.1	U
trans-1,3-Dichloropropene	2.1	U	Naphthalene	2.1	U
			1,2,3-Trichlorobenzene	2.1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	101	%	d8-Toluene	100	%	Bromofluorobenzen	105	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-8
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM2-SW-02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	9.9	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	9.9	**23**	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	9.9	**16**	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	4.9	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	9.9	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	9.9	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	106	%	d8-Toluene	99	%	Bromofluorobenzen	100	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-10
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	**1.0 J**	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	**21**	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	**1.4 JB**	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	**12**	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105	%	d8-Toluene	100	%	Bromofluorobenzen	101	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-11
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM2-SW-03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.1	U	1,1,2-Trichloroethane	2.1	U
Chloromethane	2.1	U	1,3-Dichloropropane	2.1	U
Vinyl Chloride	2.1	U	Tetrachloroethene	2.1	U
Bromomethane	2.1	U	2-Hexanone	11	U
Chloroethane	2.1	U	Dibromochloromethane	2.1	U
Trichlorofluoromethane	2.1	U	1,2-Dibromoethane	2.1	U
1,1-Dichloroethene	2.1	U	Chlorobenzene	2.1	U
Acetone	11	**30**	1,1,1,2-Tetrachloroethane	2.1	U
Methyl iodide	2.1	U	Ethylbenzene	2.1	U
Carbon Disulfide	2.1	U	o-Xylene	2.1	U
Methylene Chloride	11	**17**	m,p-Xylene	2.1	U
trans-1,2-Dichloroethene	2.1	U	Styrene	2.1	U
Methyl-tert-butyl ether (MTBE)	2.1	U	Bromoform	2.1	U
1,1-Dichloroethane	2.1	U	Isopropylbenzene	2.1	U
Vinyl acetate	5.3	U	1,1,2,2-Tetrachloroethane	2.1	U
Methyl ethyl ketone	11	U	Bromobenzene	2.1	U
cis-1,2-Dichloroethene	2.1	U	1,2,3-Trichloropropane	2.1	U
2,2-Dichloropropane	2.1	U	n-Propylbenzene	2.1	U
Bromochloromethane	2.1	U	2-Chlorotoluene	2.1	U
Chloroform	2.1	U	1,3,5-Trimethylbenzene	2.1	U
1,1,1-Trichloroethane	2.1	U	4-Chlorotoluene	2.1	U
1,1-Dichloropropene	2.1	U	tert-butylbenzene	2.1	U
Carbon Tetrachloride	2.1	U	1,2,4-Trimethylbenzene	2.1	U
1,2-Dichloroethane	2.1	U	sec-butylbenzene	2.1	U
Benzene	2.1	U	p-isopropyltoluene	2.1	U
Trichloroethene	2.1	U	1,3-Dichlorobenzene	2.1	U
1,2-Dichloropropane	2.1	U	1,4-Dichlorobenzene	2.1	U
Dibromomethane	2.1	U	n-butylbenzene	2.1	U
Bromodichloromethane	2.1	U	1,2-Dichlorobenzene	2.1	U
cis-1,3-Dichloropropene	2.1	U	1,2-Dibromo-3-chloropropane	2.1	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.1	U
Toluene	2.1	U	Hexachlorobutadiene	2.1	U
trans-1,3-Dichloropropene	2.1	U	Naphthalene	2.1	U
			1,2,3-Trichlorobenzene	2.1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	103 %	d8-Toluene	100 %	Bromofluorobenzen	101 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-12
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM2-SW-04

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.2	U	1,1,2-Trichloroethane	2.2	U
Chloromethane	2.2	U	1,3-Dichloropropane	2.2	U
Vinyl Chloride	2.2	U	Tetrachloroethene	2.2	U
Bromomethane	2.2	U	2-Hexanone	11	U
Chloroethane	2.2	U	Dibromochloromethane	2.2	U
Trichlorofluoromethane	2.2	U	1,2-Dibromoethane	2.2	U
1,1-Dichloroethene	2.2	U	Chlorobenzene	2.2	U
Acetone	11	**29**	1,1,1,2-Tetrachloroethane	2.2	U
Methyl iodide	2.2	U	Ethylbenzene	2.2	U
Carbon Disulfide	2.2	U	o-Xylene	2.2	U
Methylene Chloride	11	**16**	m,p-Xylene	2.2	U
trans-1,2-Dichloroethene	2.2	U	Styrene	2.2	U
Methyl-tert-butyl ether (MTBE)	2.2	U	Bromoform	2.2	U
1,1-Dichloroethane	2.2	U	Isopropylbenzene	2.2	U
Vinyl acetate	5.6	U	1,1,2,2-Tetrachloroethane	2.2	U
Methyl ethyl ketone	11	U	Bromobenzene	2.2	U
cis-1,2-Dichloroethene	2.2	U	1,2,3-Trichloropropane	2.2	U
2,2-Dichloropropane	2.2	U	n-Propylbenzene	2.2	U
Bromochloromethane	2.2	U	2-Chlorotoluene	2.2	U
Chloroform	2.2	U	1,3,5-Trimethylbenzene	2.2	U
1,1,1-Trichloroethane	2.2	U	4-Chlorotoluene	2.2	U
1,1-Dichloropropene	2.2	U	tert-butylbenzene	2.2	U
Carbon Tetrachloride	2.2	U	1,2,4-Trimethylbenzene	2.2	U
1,2-Dichloroethane	2.2	U	sec-butylbenzene	2.2	U
Benzene	2.2	U	p-isopropyltoluene	2.2	U
Trichloroethene	2.2	U	1,3-Dichlorobenzene	2.2	U
1,2-Dichloropropane	2.2	U	1,4-Dichlorobenzene	2.2	U
Dibromomethane	2.2	U	n-butylbenzene	2.2	U
Bromodichloromethane	2.2	U	1,2-Dichlorobenzene	2.2	U
cis-1,3-Dichloropropene	2.2	U	1,2-Dibromo-3-chloropropane	2.2	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.2	U
Toluene	2.2	U	Hexachlorobutadiene	2.2	U
trans-1,3-Dichloropropene	2.2	U	Naphthalene	2.2	U
			1,2,3-Trichlorobenzene	2.2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	106	%	d8-Toluene	101	%	Bromofluorobenzen	103 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-13
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM2-SW-04D

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.4	U	1,1,2-Trichloroethane	2.4	U
Chloromethane	2.4	U	1,3-Dichloropropane	2.4	U
Vinyl Chloride	2.4	U	Tetrachloroethene	2.4	U
Bromomethane	2.4	U	2-Hexanone	12	U
Chloroethane	2.4	U	Dibromochloromethane	2.4	U
Trichlorofluoromethane	2.4	U	1,2-Dibromoethane	2.4	U
1,1-Dichloroethene	2.4	U	Chlorobenzene	2.4	U
Acetone	12	**18**	1,1,1,2-Tetrachloroethane	2.4	U
Methyl iodide	2.4	U	Ethylbenzene	2.4	U
Carbon Disulfide	2.4	U	o-Xylene	2.4	U
Methylene Chloride	12	U	m,p-Xylene	2.4	U
trans-1,2-Dichloroethene	2.4	U	Styrene	2.4	U
Methyl-tert-butyl ether (MTBE)	2.4	U	Bromoform	2.4	U
1,1-Dichloroethane	2.4	U	Isopropylbenzene	2.4	U
Vinyl acetate	5.9	U	1,1,2,2-Tetrachloroethane	2.4	U
Methyl ethyl ketone	12	U	Bromobenzene	2.4	U
cis-1,2-Dichloroethene	2.4	U	1,2,3-Trichloropropane	2.4	U
2,2-Dichloropropane	2.4	U	n-Propylbenzene	2.4	U
Bromochloromethane	2.4	U	2-Chlorotoluene	2.4	U
Chloroform	2.4	U	1,3,5-Trimethylbenzene	2.4	U
1,1,1-Trichloroethane	2.4	U	4-Chlorotoluene	2.4	U
1,1-Dichloropropene	2.4	U	tert-butylbenzene	2.4	U
Carbon Tetrachloride	2.4	U	1,2,4-Trimethylbenzene	2.4	U
1,2-Dichloroethane	2.4	U	sec-butylbenzene	2.4	U
Benzene	2.4	U	p-isopropyltoluene	2.4	U
Trichloroethene	2.4	U	1,3-Dichlorobenzene	2.4	U
1,2-Dichloropropane	2.4	U	1,4-Dichlorobenzene	2.4	U
Dibromomethane	2.4	U	n-butylbenzene	2.4	U
Bromodichloromethane	2.4	U	1,2-Dichlorobenzene	2.4	U
cis-1,3-Dichloropropene	2.4	U	1,2-Dibromo-3-chloropropane	2.4	U
Methyl isobutyl ketone	12	U	1,2,4-Trichlorobenzene	2.4	U
Toluene	2.4	U	Hexachlorobutadiene	2.4	U
trans-1,3-Dichloropropene	2.4	U	Naphthalene	2.4	U
			1,2,3-Trichlorobenzene	2.4	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	104	%	d8-Toluene	102	%	Bromofluorobenzen	100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-14
Matrix: Solid
Percent Solid: 79
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM2-B-5

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	**15**	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5.1	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105	%	d8-Toluene	100	%	Bromofluorobenzen	101 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "Test Methods for Evaluating Solid Waste, SW-846 Method 8260B."

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-15
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM3-SW-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	1.8	U	1,1,2-Trichloroethane	1.8	U
Chloromethane	1.8	U	1,3-Dichloropropane	1.8	U
Vinyl Chloride	1.8	U	Tetrachloroethene	1.8	U
Bromomethane	1.8	U	2-Hexanone	9.1	U
Chloroethane	1.8	U	Dibromochloromethane	1.8	U
Trichlorofluoromethane	1.8	U	1,2-Dibromoethane	1.8	U
1,1-Dichloroethene	1.8	U	Chlorobenzene	1.8	U
Acetone	9.1	**17**	1,1,1,2-Tetrachloroethane	1.8	U
Methyl iodide	1.8	U	Ethylbenzene	1.8	U
Carbon Disulfide	1.8	U	o-Xylene	1.8	U
Methylene Chloride	9.1	U	m,p-Xylene	1.8	U
trans-1,2-Dichloroethene	1.8	U	Styrene	1.8	U
Methyl-tert-butyl ether (MTBE)	1.8	U	Bromoform	1.8	U
1,1-Dichloroethane	1.8	U	Isopropylbenzene	1.8	U
Vinyl acetate	4.6	U	1,1,2,2-Tetrachloroethane	1.8	U
Methyl ethyl ketone	9.1	U	Bromobenzene	1.8	U
cis-1,2-Dichloroethene	1.8	U	1,2,3-Trichloropropane	1.8	U
2,2-Dichloropropane	1.8	U	n-Propylbenzene	1.8	U
Bromochloromethane	1.8	U	2-Chlorotoluene	1.8	U
Chloroform	1.8	U	1,3,5-Trimethylbenzene	1.8	U
1,1,1-Trichloroethane	1.8	U	4-Chlorotoluene	1.8	U
1,1-Dichloropropene	1.8	U	tert-butylbenzene	1.8	U
Carbon Tetrachloride	1.8	U	1,2,4-Trimethylbenzene	1.8	U
1,2-Dichloroethane	1.8	U	sec-butylbenzene	1.8	U
Benzene	1.8	U	p-isopropyltoluene	1.8	U
Trichloroethene	1.8	U	1,3-Dichlorobenzene	1.8	U
1,2-Dichloropropane	1.8	U	1,4-Dichlorobenzene	1.8	U
Dibromomethane	1.8	U	n-butylbenzene	1.8	U
Bromodichloromethane	1.8	U	1,2-Dichlorobenzene	1.8	U
cis-1,3-Dichloropropene	1.8	U	1,2-Dibromo-3-chloropropane	1.8	U
Methyl isobutyl ketone	9.1	U	1,2,4-Trichlorobenzene	1.8	U
Toluene	1.8	U	Hexachlorobutadiene	1.8	U
trans-1,3-Dichloropropene	1.8	U	Naphthalene	1.8	U
			1,2,3-Trichlorobenzene	1.8	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105	%	d8-Toluene	100	%	Bromofluorobenzen	104	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY:

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-16
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM3-SW-03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.2	U	1,1,2-Trichloroethane	2.2	U
Chloromethane	2.2	U	1,3-Dichloropropane	2.2	U
Vinyl Chloride	2.2	U	Tetrachloroethene	2.2	U
Bromomethane	2.2	U	2-Hexanone	11	U
Chloroethane	2.2	U	Dibromochloromethane	2.2	U
Trichlorofluoromethane	2.2	U	1,2-Dibromoethane	2.2	U
1,1-Dichloroethene	2.2	U	Chlorobenzene	2.2	U
Acetone	11	**30**	1,1,1,2-Tetrachloroethane	2.2	U
Methyl iodide	2.2	U	Ethylbenzene	2.2	U
Carbon Disulfide	2.2	U	o-Xylene	2.2	U
Methylene Chloride	11	**14**	m,p-Xylene	2.2	U
trans-1,2-Dichloroethene	2.2	U	Styrene	2.2	U
Methyl-tert-butyl ether (MTBE)	2.2	U	Bromoform	2.2	U
1,1-Dichloroethane	2.2	U	Isopropylbenzene	2.2	U
Vinyl acetate	5.6	U	1,1,2,2-Tetrachloroethane	2.2	U
Methyl ethyl ketone	11	U	Bromobenzene	2.2	U
cis-1,2-Dichloroethene	2.2	U	1,2,3-Trichloropropane	2.2	U
2,2-Dichloropropane	2.2	U	n-Propylbenzene	2.2	U
Bromochloromethane	2.2	U	2-Chlorotoluene	2.2	U
Chloroform	2.2	U	1,3,5-Trimethylbenzene	2.2	U
1,1,1-Trichloroethane	2.2	U	4-Chlorotoluene	2.2	U
1,1-Dichloropropene	2.2	U	tert-butylbenzene	2.2	U
Carbon Tetrachloride	2.2	U	1,2,4-Trimethylbenzene	2.2	U
1,2-Dichloroethane	2.2	U	sec-butylbenzene	2.2	U
Benzene	2.2	U	p-isopropyltoluene	2.2	U
Trichloroethene	2.2	U	1,3-Dichlorobenzene	2.2	U
1,2-Dichloropropane	2.2	U	1,4-Dichlorobenzene	2.2	U
Dibromomethane	2.2	U	n-butylbenzene	2.2	U
Bromodichloromethane	2.2	U	1,2-Dichlorobenzene	2.2	U
cis-1,3-Dichloropropene	2.2	U	1,2-Dibromo-3-chloropropane	2.2	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.2	U
Toluene	2.2	U	Hexachlorobutadiene	2.2	U
trans-1,3-Dichloropropene	2.2	U	Naphthalene	2.2	U
			1,2,3-Trichlorobenzene	2.2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	103 %	d8-Toluene	99 %	Bromofluorobenzen	100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-17
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM3-B-5

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.1	U	1,1,2-Trichloroethane	2.1	U
Chloromethane	2.1	U	1,3-Dichloropropane	2.1	U
Vinyl Chloride	2.1	U	Tetrachloroethene	2.1	U
Bromomethane	2.1	U	2-Hexanone	11	U
Chloroethane	2.1	U	Dibromochloromethane	2.1	U
Trichlorofluoromethane	2.1	U	1,2-Dibromoethane	2.1	U
1,1-Dichloroethene	2.1	U	Chlorobenzene	2.1	U
Acetone	11	**30**	1,1,1,2-Tetrachloroethane	2.1	U
Methyl iodide	2.1	U	Ethylbenzene	2.1	U
Carbon Disulfide	2.1	U	o-Xylene	2.1	U
Methylene Chloride	11	**13**	m,p-Xylene	2.1	U
trans-1,2-Dichloroethene	2.1	U	Styrene	2.1	U
Methyl-tert-butyl ether (MTBE)	2.1	U	Bromoform	2.1	U
1,1-Dichloroethane	2.1	U	Isopropylbenzene	2.1	U
Vinyl acetate	5.3	U	1,1,2,2-Tetrachloroethane	2.1	U
Methyl ethyl ketone	11	U	Bromobenzene	2.1	U
cis-1,2-Dichloroethene	2.1	U	1,2,3-Trichloropropane	2.1	U
2,2-Dichloropropane	2.1	U	n-Propylbenzene	2.1	U
Bromochloromethane	2.1	U	2-Chlorotoluene	2.1	U
Chloroform	2.1	U	1,3,5-Trimethylbenzene	2.1	U
1,1,1-Trichloroethane	2.1	U	4-Chlorotoluene	2.1	U
1,1-Dichloropropene	2.1	U	tert-butylbenzene	2.1	U
Carbon Tetrachloride	2.1	U	1,2,4-Trimethylbenzene	2.1	U
1,2-Dichloroethane	2.1	U	sec-butylbenzene	2.1	U
Benzene	2.1	U	p-isopropyltoluene	2.1	U
Trichloroethene	2.1	U	1,3-Dichlorobenzene	2.1	U
1,2-Dichloropropane	2.1	U	1,4-Dichlorobenzene	2.1	U
Dibromomethane	2.1	U	n-butylbenzene	2.1	U
Bromodichloromethane	2.1	U	1,2-Dichlorobenzene	2.1	U
cis-1,3-Dichloropropene	2.1	U	1,2-Dibromo-3-chloropropane	2.1	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.1	U
Toluene	2.1	U	Hexachlorobutadiene	2.1	U
trans-1,3-Dichloropropene	2.1	U	Naphthalene	2.1	U
			1,2,3-Trichlorobenzene	2.1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	106	%	d8-Toluene	102	%	Bromofluorobenzen	101 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-18
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM3-SW-04

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.2	U	1,1,2-Trichloroethane	2.2	U
Chloromethane	2.2	U	1,3-Dichloropropane	2.2	U
Vinyl Chloride	2.2	U	Tetrachloroethene	2.2	U
Bromomethane	2.2	U	2-Hexanone	11	U
Chloroethane	2.2	U	Dibromochloromethane	2.2	U
Trichlorofluoromethane	2.2	U	1,2-Dibromoethane	2.2	U
1,1-Dichloroethene	2.2	U	Chlorobenzene	2.2	U
Acetone	11	**25**	1,1,1,2-Tetrachloroethane	2.2	U
Methyl iodide	2.2	U	Ethylbenzene	2.2	U
Carbon Disulfide	2.2	U	o-Xylene	2.2	U
Methylene Chloride	11	**14**	m,p-Xylene	2.2	U
trans-1,2-Dichloroethene	2.2	U	Styrene	2.2	U
Methyl-tert-butyl ether (MTBE)	2.2	U	Bromoform	2.2	U
1,1-Dichloroethane	2.2	U	Isopropylbenzene	2.2	U
Vinyl acetate	5.5	U	1,1,2,2-Tetrachloroethane	2.2	U
Methyl ethyl ketone	11	U	Bromobenzene	2.2	U
cis-1,2-Dichloroethene	2.2	U	1,2,3-Trichloropropane	2.2	U
2,2-Dichloropropane	2.2	U	n-Propylbenzene	2.2	U
Bromochloromethane	2.2	U	2-Chlorotoluene	2.2	U
Chloroform	2.2	U	1,3,5-Trimethylbenzene	2.2	U
1,1,1-Trichloroethane	2.2	U	4-Chlorotoluene	2.2	U
1,1-Dichloropropene	2.2	U	tert-butylbenzene	2.2	U
Carbon Tetrachloride	2.2	U	1,2,4-Trimethylbenzene	2.2	U
1,2-Dichloroethane	2.2	U	sec-butylbenzene	2.2	U
Benzene	2.2	U	p-isopropyltoluene	2.2	U
Trichloroethene	2.2	U	1,3-Dichlorobenzene	2.2	U
1,2-Dichloropropane	2.2	U	1,4-Dichlorobenzene	2.2	U
Dibromomethane	2.2	U	n-butylbenzene	2.2	U
Bromodichloromethane	2.2	U	1,2-Dichlorobenzene	2.2	U
cis-1,3-Dichloropropene	2.2	U	1,2-Dibromo-3-chloropropane	2.2	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.2	U
Toluene	2.2	U	Hexachlorobutadiene	2.2	U
trans-1,3-Dichloropropene	2.2	U	Naphthalene	2.2	U
			1,2,3-Trichlorobenzene	2.2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	104	%	d8-Toluene	102	%	Bromofluorobenzen	102 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67834

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	103		101		101	
LL09280I	101		100		101	
LL09280I2	101		100		99	
LB09280I	101		100		100	
67834-10	105		100		101	
67834-11	103		100		101	
67834-12	106		101		103	
67834-1	104		103		101	
67834-2	105		100		97	
67834-3	106		103		102	
67834-4	105		100		102	
67834-5	108		101		113	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67834

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	102		100		99	
LL09280I3	101		98		99	
LL09280I4	99		101		98	
LB09280I2	101		100		99	
67834-7	101		100		105	
67834-8	106		99		100	
67834-13	104		102		100	
67834-14	105		100		101	
67834-17	106		102		101	
67834-16	103		99		100	
67834-15	105		100		104	
67834-18	104		102		102	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG: 67834
Non-spiked sample: BLK
Spike: LL09280I
Spike duplicate: LL09280I2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	20	75	125	25	0.0	21	104		21	105		1	
Chloromethane	20	20	75	125	25	0.0	20	100		20	99		1	
Vinyl Chloride	20	20	75	125	25	0.0	21	104		21	104		0	
Bromomethane	20	20	75	125	25	0.0	22	110		23	113		3	
Chloroethane	20	20	75	125	25	0.0	22	110		22	109		1	
t-Butyl alcohol (TBA)	100	100	75	125	25	0.0	87	87		84	84		3	
Trichlorofluoromethane	20	20	75	125	25	0.0	19	96		19	95		1	
Diethyl ether	20	20	75	125	25	0.0	21	104		22	111		7	
1,1,2-Trichlorotrifluoroethane	20	20	75	125	25	0.0	21	103		21	105		1	
Acetone	100	100	75	125	25	0.0	109	109		110	110		1	
1,1-Dichloroethene	20	20	75	125	25	0.0	21	104		22	108		3	
Methyl iodide	20	20	75	125	25	0.0	26	128	*	27	133	*	4	
Di-isopropyl ether (DIPE)	20	20	75	125	25	0.0	20	99		20	102		3	
Methylene Chloride	20	20	75	125	25	0.0	19	95		19	96		1	
Carbon Disulfide	20	20	75	125	25	0.0	22	112		23	114		2	
Methyl-tert-butyl ether (MTBE)	40	40	75	125	25	0.0	39	99		42	104		5	
trans-1,2-Dichloroethene	20	20	75	125	25	0.0	20	102		21	107		5	
1,1-Dichloroethane	20	20	75	125	25	0.0	20	100		21	107		7	
Vinyl acetate	20	20	75	125	25	0.0	14	71	*	15	74	*	5	
Methyl ethyl ketone	100	100	75	125	25	0.0	102	102		102	102		0	
Ethyl t-butyl ether (ETBE)	20	20	75	125	25	0.0	20	98		20	102		5	
2,2-Dichloropropane	20	20	75	125	25	0.0	21	107		22	111		4	
cis-1,2-Dichloroethene	20	20	75	125	25	0.0	21	104		22	109		5	
t-Amyl methyl ether (TAME)	20	20	75	125	25	0.0	20	99		20	102		4	
Chloroform	20	20	75	125	25	0.0	21	104		22	108		4	
Bromochloromethane	20	20	75	125	25	0.0	21	105		22	109		3	
Tetrahydrofuran	20	20	75	125	25	0.0	21	103		20	99		4	
1,1,1-Trichloroethane	20	20	75	125	25	0.0	21	107		22	111		3	
1,1-Dichloropropene	20	20	75	125	25	0.0	21	105		22	108		3	
Carbon Tetrachloride	20	20	75	125	25	0.0	22	108		22	111		3	
1,2-Dichloroethane	20	20	75	125	25	0.0	20	102		21	107		5	
Benzene	20	20	75	125	25	0.0	20	100		21	105		5	
Trichloroethene	20	20	75	125	25	0.0	20	101		21	107		5	
1,2-Dichloropropane	20	20	75	125	25	0.0	20	98		21	103		5	
Methylmethacrylate	20	20	75	125	25	0.0	20	100		21	104		4	
Methyl acetate	20	20	75	125	25	0.0	21	105		21	103		1	
Cyclohexane	20	20	75	125	25	0.0	19	93		16	82		13	
Bromodichloromethane	20	20	75	125	25	0.0	20	98		21	104		6	
Dibromomethane	20	20	75	125	25	0.0	19	95		20	102		7	
1,4-Dioxane	500	500	75	125	25	0.0	451	90		464	93		3	
Methylcyclohexane	20	20	75	125	25	0.0	22	110		21	107		3	
2-Hexanone	100	100	75	125	25	0.0	100	100		101	101		1	
Methyl isobutyl ketone	100	100	75	125	25	0.0	96	96		98	98		3	
cis-1,3-Dichloropropene	20	20	75	125	25	0.0	20	101		22	108		6	
Toluene	20	20	75	125	25	0.0	20	101		21	105		4	
trans-1,3-Dichloropropene	20	20	75	125	25	0.0	19	94		19	97		3	
1,1,2-Trichloroethane	20	20	75	125	25	0.0	20	100		21	106		6	
1,3-Dichloropropane	20	20	75	125	25	0.0	20	101		21	106		5	
Tetrachloroethene	20	20	75	125	25	0.0	23	117		25	126	*	7	
Dibromochloromethane	20	20	75	125	25	0.0	20	101		21	106		5	
1,2-Dibromoethane	20	20	75	125	25	0.0	20	100		21	107		7	
Chlorobenzene	20	20	75	125	25	0.0	21	105		21	106		1	
1,1,1,2-Tetrachloroethane	20	20	75	125	25	0.0	21	105		21	106		1	
Ethylbenzene	20	20	75	125	25	0.0	21	107		21	107		0	
m,p-Xylene	40	40	75	125	25	0.0	42	106		43	107		1	

VOA FORM 3

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG: 67834
Non-spiked sample: BLK
Spike: LL09280I
Spike duplicate: LL0928012

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
o-Xylene	20	20	75	125	25	0.0	21	105		21	104		0	
Styrene	20	20	75	125	25	0.0	21	105		22	109		4	
Bromoform	20	20	75	125	25	0.0	21	106		21	106		0	
Isopropylbenzene	20	20	75	125	25	0.0	19	94		19	96		2	
1,1,2,2-Tetrachloroethane	20	20	75	125	25	0.0	20	100		20	100		0	
1,2,3-Trichloropropane	20	20	75	125	25	0.0	19	94		19	96		2	
trans-1,4-Dichloro-2-butene	20	20	75	125	25	0.0	21	106		21	106		0	
n-Propylbenzene	20	20	75	125	25	0.0	21	105		21	107		2	
Bromobenzene	20	20	75	125	25	0.0	21	106		21	106		0	
1,3,5-Trimethylbenzene	20	20	75	125	25	0.0	21	106		21	107		1	
2-Chlorotoluene	20	20	75	125	25	0.0	21	106		21	105		1	
4-Chlorotoluene	20	20	75	125	25	0.0	21	104		21	104		1	
tert-butylbenzene	20	20	75	125	25	0.0	21	107		22	109		1	
1,2,4-Trimethylbenzene	20	20	75	125	25	0.0	20	102		21	104		2	
sec-butylbenzene	20	20	75	125	25	0.0	22	111		22	111		0	
p-isopropyltoluene	20	20	75	125	25	0.0	20	102		21	105		3	
1,3-Dichlorobenzene	20	20	75	125	25	0.0	21	104		21	105		1	
1,4-Dichlorobenzene	20	20	75	125	25	0.0	21	105		22	108		2	
n-butylbenzene	20	20	75	125	25	0.0	22	112		23	113		1	
1,2-Dichlorobenzene	20	20	75	125	25	0.0	21	105		22	108		3	
1,2-Dibromo-3-chloropropane	20	20	75	125	25	0.0	21	104		21	104		0	
1,2,4-Trichlorobenzene	20	20	75	125	25	0.0	20	102		21	105		2	
Hexachlorobutadiene	20	20	75	125	25	0.0	22	108		22	110		1	
Naphthalene	20	20	75	125	25	0.0	17	87		19	94		8	
1,2,3-Trichlorobenzene	20	20	75	125	25	0.0	21	103		22	108		5	
1,3,5-Trichlorobenzene	20	20	75	125	25	0.0	21	104		21	105		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOA FORM 3

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG: 67834
Non-spiked sample: LB092801I2
Spike: LL092801I3
Spike duplicate: LL092801I4

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	20	75	125	25	0.0	19	93		19	95		2	
Chloromethane	20	20	75	125	25	0.0	19	94		19	96		2	
Vinyl Chloride	20	20	75	125	25	0.0	20	102		20	101		1	
Bromomethane	20	20	75	125	25	0.0	20	99		20	102		3	
Chloroethane	20	20	75	125	25	0.0	21	104		22	108		4	
t-Butyl alcohol (TBA)	100	100	75	125	25	0.0	96	96		99	99		3	
Trichlorofluoromethane	20	20	75	125	25	0.0	18	91		18	90		1	
Diethyl ether	20	20	75	125	25	0.0	20	101		20	101		1	
1,1,2-Trichlorotrifluoroethane	20	20	75	125	25	0.0	19	93		18	90		2	
Acetone	100	100	75	125	25	0.0	107	107		106	106		1	
1,1-Dichloroethene	20	20	75	125	25	0.0	19	96		19	96		0	
Methyl iodide	20	20	75	125	25	0.0	23	116		24	119		3	
Di-isopropyl ether (DIPE)	20	20	75	125	25	0.0	19	97		19	96		1	
Methylene Chloride	20	20	75	125	25	0.0	17	86		17	83		4	
Carbon Disulfide	20	20	75	125	25	0.0	20	101		20	100		1	
Methyl-tert-butyl ether (MTBE)	40	40	75	125	25	0.0	41	102		40	99		3	
trans-1,2-Dichloroethene	20	20	75	125	25	0.0	20	98		19	95		3	
1,1-Dichloroethane	20	20	75	125	25	0.0	20	98		20	98		0	
Vinyl acetate	20	20	75	125	25	0.0	10	49	*	9	46	*	7	
Methyl ethyl ketone	100	100	75	125	25	0.0	105	105		106	106		1	
Ethyl t-butyl ether (ETBE)	20	20	75	125	25	0.0	20	99		20	98		1	
2,2-Dichloropropane	20	20	75	125	25	0.0	20	99		19	97		2	
cis-1,2-Dichloroethene	20	20	75	125	25	0.0	20	102		20	102		0	
t-Amyl methyl ether (TAME)	20	20	75	125	25	0.0	20	101		20	98		3	
Chloroform	20	20	75	125	25	0.0	20	101		20	99		2	
Bromochloromethane	20	20	75	125	25	0.0	21	106		21	103		2	
Tetrahydrofuran	20	20	75	125	25	0.0	21	105		21	104		1	
1,1,1-Trichloroethane	20	20	75	125	25	0.0	21	103		20	102		1	
1,1-Dichloropropene	20	20	75	125	25	0.0	20	99		19	97		1	
Carbon Tetrachloride	20	20	75	125	25	0.0	20	101		21	104		3	
1,2-Dichloroethane	20	20	75	125	25	0.0	20	102		20	99		3	
Benzene	20	20	75	125	25	0.0	19	97		19	96		2	
Trichloroethene	20	20	75	125	25	0.0	20	100		20	102		2	
1,2-Dichloropropane	20	20	75	125	25	0.0	20	99		20	98		0	
Methylmethacrylate	20	20	75	125	25	0.0	21	107		21	106		1	
Methyl acetate	20	20	75	125	25	0.0	23	115		23	113		2	
Cyclohexane	20	20	75	125	25	0.0	17	84		16	82		3	
Bromodichloromethane	20	20	75	125	25	0.0	20	98		20	98		0	
Dibromomethane	20	20	75	125	25	0.0	20	99		20	98		1	
1,4-Dioxane	500	500	75	125	25	0.0	435	87		505	101		15	
Methylcyclohexane	20	20	75	125	25	0.0	19	97		20	98		1	
2-Hexanone	100	100	75	125	25	0.0	108	108		108	108		0	
Methyl isobutyl ketone	100	100	75	125	25	0.0	103	103		102	102		1	
cis-1,3-Dichloropropene	20	20	75	125	25	0.0	20	102		20	102		0	
Toluene	20	20	75	125	25	0.0	19	97		20	98		1	
trans-1,3-Dichloropropene	20	20	75	125	25	0.0	19	95		19	93		2	
1,1,2-Trichloroethane	20	20	75	125	25	0.0	21	103		20	101		2	
1,3-Dichloropropane	20	20	75	125	25	0.0	21	103		21	103		0	
Tetrachloroethene	20	20	75	125	25	0.0	28	140	*	29	145	*	4	
Dibromochloromethane	20	20	75	125	25	0.0	21	103		21	103		0	
1,2-Dibromoethane	20	20	75	125	25	0.0	21	105		21	105		0	
Chlorobenzene	20	20	75	125	25	0.0	20	100		19	97		3	
1,1,1,2-Tetrachloroethane	20	20	75	125	25	0.0	21	103		20	100		3	
Ethylbenzene	20	20	75	125	25	0.0	20	98		19	97		2	
m,p-Xylene	40	40	75	125	25	0.0	39	98		39	98		1	

VOA FORM 3

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG: 67834
Non-spiked sample: LB0928012
Spike: LL0928013
Spike duplicate: LL0928014

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
o-Xylene	20	20	75	125	25	0.0	20	100		20	98		2	
Styrene	20	20	75	125	25	0.0	20	101		20	99		2	
Bromoform	20	20	75	125	25	0.0	21	106		21	103		3	
Isopropylbenzene	20	20	75	125	25	0.0	18	88		17	87		2	
1,1,2,2-Tetrachloroethane	20	20	75	125	25	0.0	20	98		19	94		3	
1,2,3-Trichloropropane	20	20	75	125	25	0.0	20	99		20	99		1	
trans-1,4-Dichloro-2-butene	20	20	75	125	25	0.0	20	102		20	102		0	
n-Propylbenzene	20	20	75	125	25	0.0	19	96		19	96		0	
Bromobenzene	20	20	75	125	25	0.0	20	99		20	99		0	
1,3,5-Trimethylbenzene	20	20	75	125	25	0.0	20	100		20	98		2	
2-Chlorotoluene	20	20	75	125	25	0.0	20	98		19	97		1	
4-Chlorotoluene	20	20	75	125	25	0.0	19	97		18	92		5	
tert-butylbenzene	20	20	75	125	25	0.0	24	118		23	116		2	
1,2,4-Trimethylbenzene	20	20	75	125	25	0.0	19	95		19	93		2	
sec-butylbenzene	20	20	75	125	25	0.0	20	101		20	100		1	
p-isopropyltoluene	20	20	75	125	25	0.0	19	96		19	96		0	
1,3-Dichlorobenzene	20	20	75	125	25	0.0	19	97		19	96		1	
1,4-Dichlorobenzene	20	20	75	125	25	0.0	19	97		19	96		1	
n-butylbenzene	20	20	75	125	25	0.0	20	98		20	99		1	
1,2-Dichlorobenzene	20	20	75	125	25	0.0	20	100		20	100		0	
1,2-Dibromo-3-chloropropane	20	20	75	125	25	0.0	21	105		21	103		2	
1,2,4-Trichlorobenzene	20	20	75	125	25	0.0	19	93		18	92		0	
Hexachlorobutadiene	20	20	75	125	25	0.0	19	97		20	100		3	
Naphthalene	20	20	75	125	25	0.0	22	112		22	110		2	
1,2,3-Trichlorobenzene	20	20	75	125	25	0.0	21	105		20	102		2	
1,3,5-Trichlorobenzene	20	20	75	125	25	0.0	18	92		18	92		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOA FORM 3

GC/MS Volatiles Instrument I:

Analytics environmental laboratory LLC

IS only – Exp: –

SS+IS V9055 Exp: 10/11/10

Voltage: 1671

Threshold: 100

092710-I

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-I-092710-1-MT							
–		Blk Desorb	–				I43991	MT	NA
–		Blk Run - No Errors	–				92		
–		Blk-step to purge	–				93		
1		BLK	5ml				94		
2		Low soil BLK	5.00				95		
3		⊥	5.00				96		
4		1ppb Test	5ml				97		
5		BLK					98		
6		BLK					99		
7	VS092710I	BFB 50ng		2ml	V9050	✓	T44000T		
8		BLK					01		
9		1ppb		.25ml	V9057 V9053	✓	02si		
10		2ppb		.5ml		✓	03si		
11		5ppb		1.25ml		✓	04si		
12		20ppb		5ml		✓	05si		
13		50ppb		12.5ml		✓	06si		
14		100ppb		25ml	⊥	✓	07si		
15		BLK					08		
16		BLK					09		
17		20ppb KV		5ml	V9088 V9043	✓ All OK	10Q		
18	⊥	20ppb KV	⊥	⊥	⊥	✓ Methyl Iodide ↑ 130%	11Q	⊥	⊥

MT 9/28/10

\\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1 12/16/09

[11]

GC/MS Volatiles Instrument I:

Analytics environmental laboratory LLC

IS only —

SS+IS V9055

Voltage: 1671

Threshold: 100

Exp: —

Exp: 10/11/10

092810 I

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-I-092810-1-MT							
1	V5090701	BLK	5mL				I44012	MT	NA
2		BFB 50ng		2ml	V9050	✓	13T		7:51
3		20ppb		5ml	V9037 V9053	✓MeCl2 ↑, MEK ↑, 2Hex ↑, 1,2DB3CP ↑	14SC		
4		20ppb	⊥	⊥	⊥	✓ Methyl iodide ↑	15SC		
5		LL092801	5.00			✓ Methyl iodide Marg ↑ in both	16 2		
6		LL092801 2	⊥			✓ Vinyl Acetate Marg ↓ in both, MEK Marg ↑ in LCSD	17 2		
7		BLK	5mL				18		
8		Bromoform		5ml	V9049	✓	19		
9		LB092801	⊥			✓ Methyl iodide)	20B		
10		67834-10	5.00			✓	21		
11		-11	4.96			✓	22		
12		-12	4.73			✓	23		
13		67835-1	5.56			✓	24		
14		-6	5.37			✓	25		1447
15		-5	5.89			✓	26		
16		-3	4.96			✓	27		
17		-4	5.78			✓	28		
18		67834-1	4.45			✓	29		
19		-2	5.32			✓	30		
20		-3	6.23			✓	31		
21		-4	5.14			✓	32		
22		-5	5.23			✓	33		
23		67835-2	4.87			✓	34		
24		-6, MS	5.56			✓ MeCl2, VA ↓ in both, HCBD ↓ in MS only	35SP		
25		-6, MSD	5.34			✓ 124TCB, 123TCB Marg in MS only	36SP		
26		BFB 50ng	5mL	2ml	V9050	✓	37T		
27		20ppb		5ml	V9037 V9053	✓ Nap, 12DB3CP ↑, MEK, 2HEX, MIBK ↑	38SC		
28		20ppb	⊥	⊥	⊥	✓ All OK	39SC		
29		LL092801 3	5.00			✓ VA ↓ in both, PCE ↑ in both	40 2		
30		LL092801 4	⊥			✓ All else OK	41 2		
31		BLK	5mL				42		
32		BLK					43		
33		BLK	⊥				44		
34		LB092801 2	5.00			✓	45		
35		Cont # 8/31/10 #63	⊥			MeCl2 32	46		
36		9/28/10 #217				MeCl2 17	47		

Cont on next page

GC/MS Volatiles Instrument I:

Analytics environmental laboratory LLC

IS only —

SS+IS V9055

Voltage: 1671

Threshold: 100

Exp: —

Exp: 10/11/10

092810-I
CONT

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
37	US09270I	Cont # 9/28/10 #288	5.00			$MeCl_2$ 3	I44048	NT	NA
38		⊥ #348	⊥			$MeCl_2$ 17	49		
39		67834-7	4.91			✓	50		
40		-8	5.53			✓	51		
41		-13	4.44			✓	52		
42		-14	6.21			✓	53		
43		-17	5.00			✓	54		
44		-16	4.73			✓	55		
45		-15	6.05			✓	56		
46		-18	4.81			✓	57		

NT 9/29/10

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1 12/16/09

[13]

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

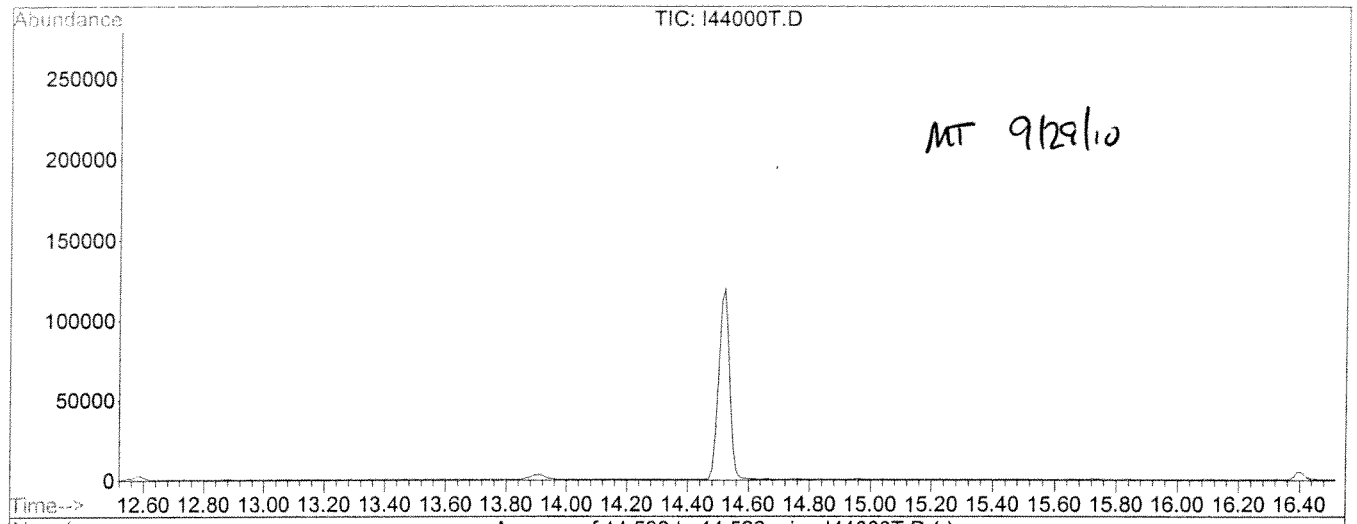
SDG: 67834
BFB File ID: I44000T.D
BFB Injection Date: 09/27/10
BFB Injection Time: 16:31

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
1 PPB	I44002SI.D	9/27/10 17:29
2 PPB	I44003SI.D	9/27/10 17:58
5 PPB	I44004SI.D	9/27/10 18:26
20 PPB	I44005SI.D	9/27/10 18:54
50 PPB	I44006SI.D	9/27/10 19:22
100 PPB	I44007SI.D	9/27/10 19:50
20 PPB ICV	I44010Q.D	9/27/10 21:15
20 PPB ICV2	I44011Q.D	9/27/10 21:44

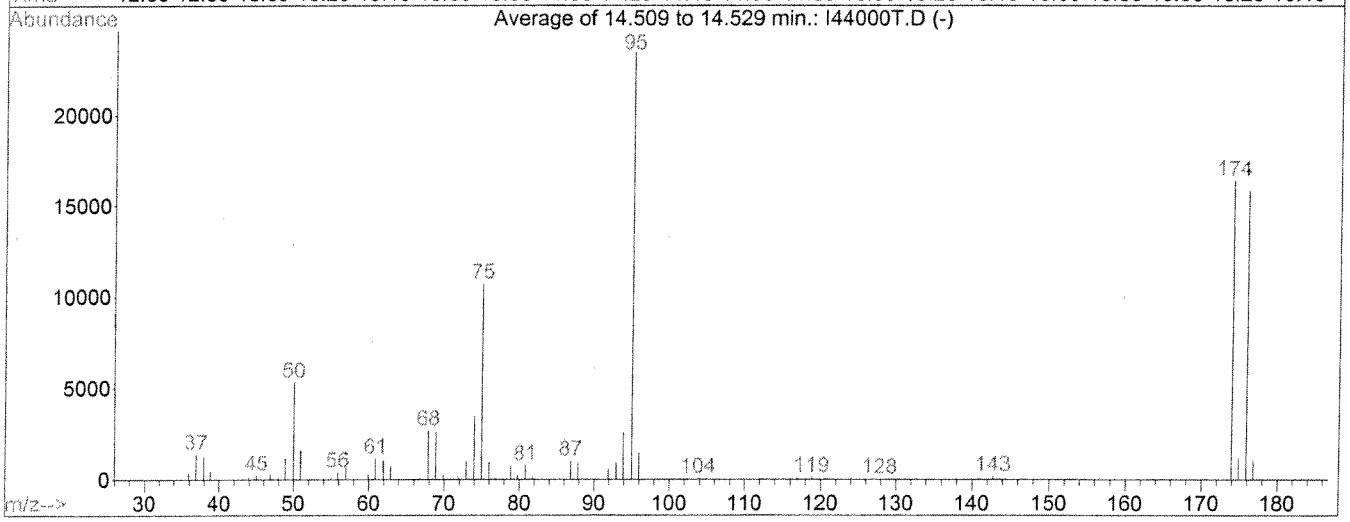
Refer to the BFB report I44000T.D for ion ratio evaluation.

VOA FORM 5

Data File : C:\HPCHEM\1\DATA\092710-I\I44000T.D Vial: 7
Acq On : 27 Sep 2010 4:31 pm Operator: MT
Sample : BFB 50NG Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil



MT 9/29/10



AutoFind: Scans 1334, 1335, 1336; Background Corrected with Scan 1327

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.6	5310	PASS
75	95	30	60	45.6	10699	PASS
95	95	100	100	100.0	23461	PASS
96	95	5	9	6.3	1477	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.9	16406	PASS
175	174	5	9	7.2	1182	PASS
176	174	95	101	96.6	15844	PASS
177	176	5	9	6.8	1071	PASS

9/29/10

I44000T.D VS09270I.M Tue Sep 28 13:20:11 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

SDG: 67834
BFB File ID: I44013T.D
BFB Injection Date: 09/28/10
BFB Injection Time: 7:51

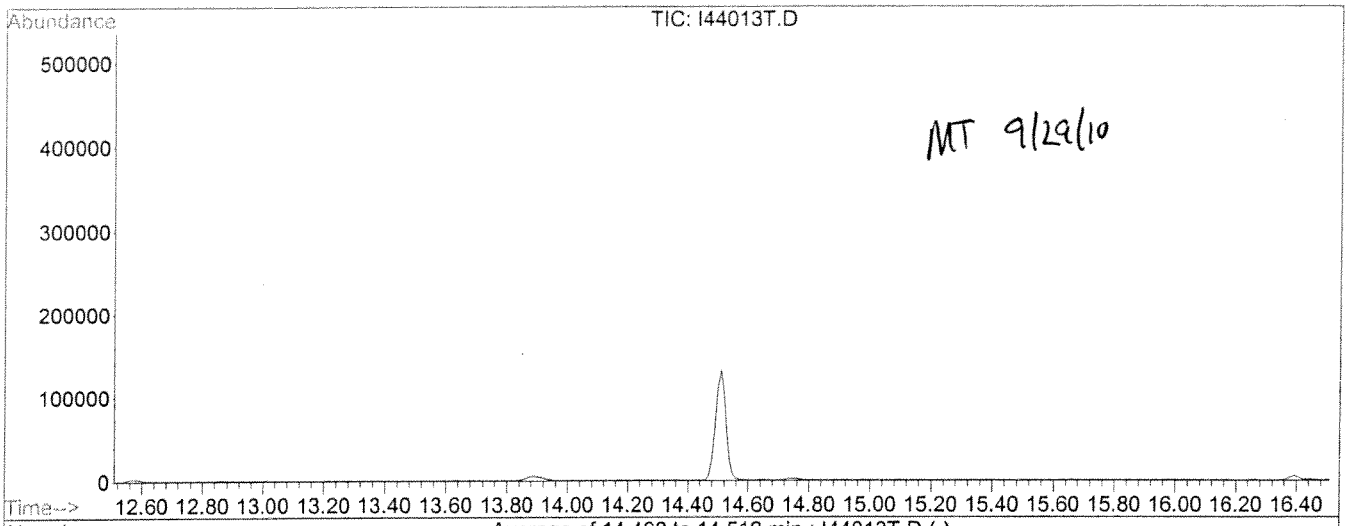
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
20 PPB	I44015SC.D	9/28/10 8:52
LL09280I	I44016Q.D	9/28/10 9:28
LL09280I2	I44017Q.D	9/28/10 9:55
67834-10	I44021.D	9/28/10 11:55
67834-11	I44022.D	9/28/10 12:23
67834-12	I44023.D	9/28/10 12:51
67834-1	I44029.D	9/28/10 15:40
67834-2	I44030.D	9/28/10 16:08
67834-3	I44031.D	9/28/10 16:37
67834-4	I44032.D	9/28/10 17:05
67834-5	I44033.D	9/28/10 17:33

Refer to the BFB report I44013T.D for ion ratio evaluation.

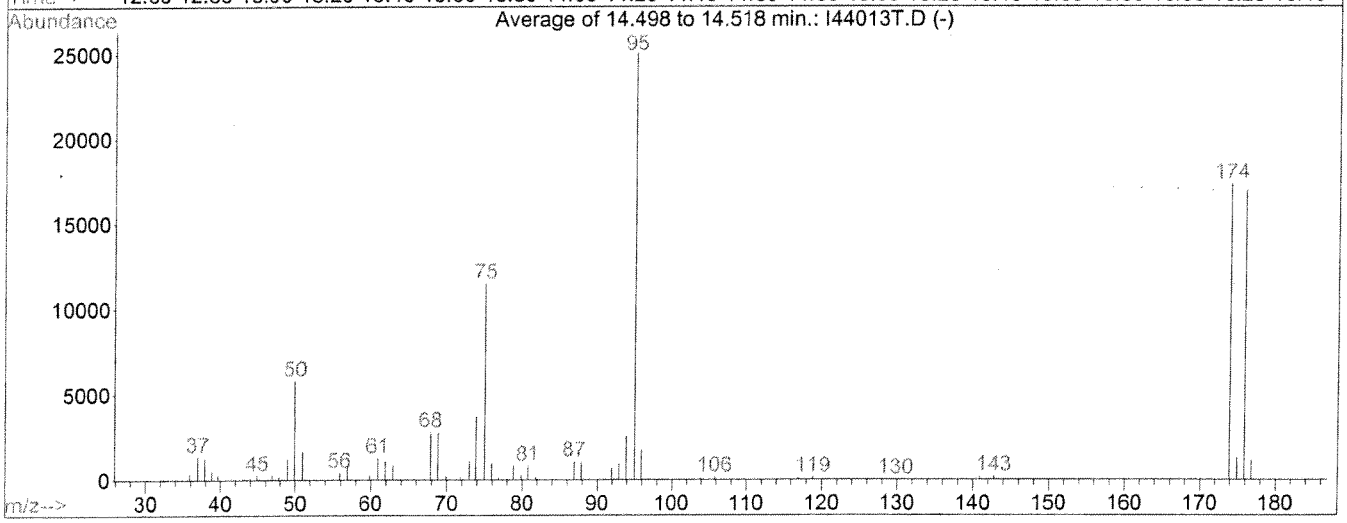
VOA FORM 5

BFB

Data File : C:\HPCHEM\1\DATA\092810-I\I44013T.D Vial: 2
Acq On : 28 Sep 2010 7:51 am Operator: MT
Sample : BFB 50NG Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil



MT 9/29/10



AutoFind: Scans 1333, 1334, 1335; Background Corrected with Scan 1326

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	5814	PASS
75	95	30	60	45.9	11497	PASS
95	95	100	100	100.0	25064	PASS
96	95	5	9	7.0	1752	PASS ✓
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.2	17339	PASS
175	174	5	9	7.4	1288	PASS
176	174	95	101	97.8	16958	PASS
177	176	5	9	6.7	1142	PASS

J92910

I44013T.D VS09270I.M Tue Sep 28 14:02:23 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

SDG: 67834
BFB File ID: I44037T.D
BFB Injection Date: 09/28/10
BFB Injection Time: 19:26

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
20 PPB	I44039SC.D	9/28/10 20:22
LL09280I3	I44040Q.D	9/28/10 20:51
LL09280I4	I44041Q.D	9/28/10 21:19
LB09280I2	I44045B.D	9/28/10 23:12
67834-7	I44050.D	9/29/10 1:33
67834-8	I44051.D	9/29/10 2:01
67834-13	I44052.D	9/29/10 2:30
67834-14	I44053.D	9/29/10 2:58
67834-17	I44054.D	9/29/10 3:26
67834-16	I44055.D	9/29/10 3:54
67834-15	I44056.D	9/29/10 4:23
67834-18	I44057.D	9/29/10 4:51

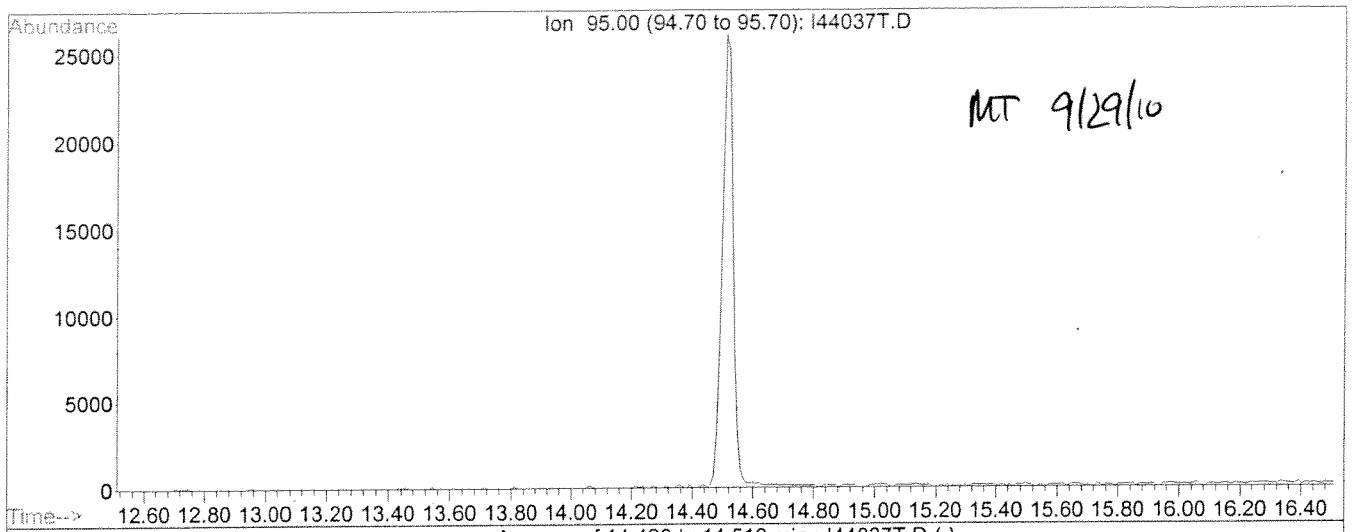
Refer to the BFB report I44037T.D for ion ratio evaluation.

VOA FORM 5

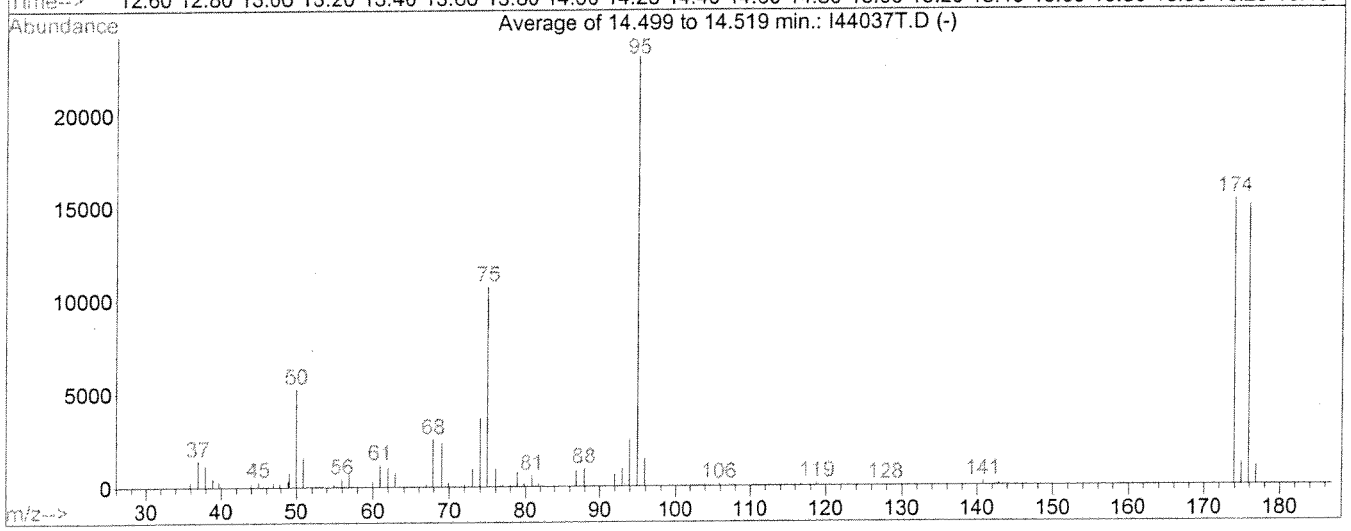
BFB

Data File : C:\HPCHEM\1\DATA\092810-I\I44037T.D
Acq On : 28 Sep 2010 7:26 pm
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil

Vial: 26
Operator: MT
Inst : Instrumen
Multiplr: 1.00



MT 9/29/10



AutoFind: Scans 1333, 1334, 1335; Background Corrected with Scan 1324

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.8	5266	PASS
75	95	30	60	46.5	10732	PASS
95	95	100	100	100.0	23101	PASS
96	95	5	9	6.5	1500	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	66.4	15342	PASS
175	174	5	9	7.4	1138	PASS
176	174	95	101	97.9	15018	PASS
177	176	5	9	6.9	1039	PASS

9/29/10

I44037T.D VS09270I.M Tue Sep 28 20:37:42 2010

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

Calibration Files
1 =I44002SI.D 2 =I44003SI.D 5 =I44004SI.D
20 =I44005SI.D 50 =I44006SI.D 100 =I44007SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	TM	Dichlorodifluoromet	0.704	0.724	0.691	0.669	0.719	0.701	0.701	2.88
3)	TMP	Chloromethane		0.721	0.596	0.560	0.578	0.576	0.606 ✓	10.82
4)	TMC	Vinyl Chloride	0.514	0.578	0.544	0.507	0.527	0.525	0.532	4.80# ✓
5)	TM	Bromomethane	0.507	0.444	0.403	0.370	0.363		0.417	14.23
6)	TM	Chloroethane	0.275	0.326	0.298	0.288	0.297	0.286	0.295	5.83
7)	TM	t-Butyl alcohol (TB	0.089	0.077	0.086	0.099	0.091	0.095	0.090#	8.49
8)	TM	Trichlorofluorometh	1.073	1.149	1.044	1.015	1.058	1.012	1.059	4.76
9)	TM	Diethyl ether	0.257	0.250	0.253	0.261	0.269	0.261	0.258	2.58
10)	TM	1,1,2-Trichlorotrif	0.518	0.579	0.561	0.555	0.589	0.584	0.564	4.66
11)	T	Acrolein							0.000#	-1.00
12)	TM	Acetone		0.250	0.238	0.241	0.221	0.218	0.234	5.78
13)	TMC	1,1-Dichloroethene	0.460	0.477	0.486	0.462	0.497	0.487	0.478	3.08# ✓
14)	TM	Methyl iodide	0.673	0.628	0.667	0.716	0.855	0.879	0.736	14.33
15)	TM	Di-isopropyl ether	1.989	1.861	1.878	1.902	1.974	1.944	1.925	2.72
16)	TM	Methylene Chloride	3.921	2.283	1.331	0.735	0.648	0.603	1.587	~~82.53~~ ✓
17)	TM	Carbon Disulfide	1.577	1.592	1.556	1.516	1.625	1.569	1.572	2.32
18)	T	Acrylonitrile	0.229	0.207	0.204	0.236	0.217	0.218	0.218	5.63
19)	TM	Methyl-tert-butyl e	1.591	1.544	1.533	1.590	1.625	1.621	1.584	2.42
20)	TM	trans-1,2-Dichloroe	0.593	0.579	0.574	0.547	0.595	0.571	0.577	3.03
21)	TMP	1,1-Dichloroethane	1.061	1.119	1.072	1.047	1.103	1.084	1.081 ✓	2.46
22)	TM	Vinyl acetate		0.068	0.078	0.088	0.091	0.093	0.084#	12.75
23)	TM	Methyl ethyl ketone	0.061	0.061	0.062	0.071	0.065	0.066	0.064#	6.06
24)	TM	Ethyl t-butyl ether	1.934	1.909	1.936	1.970	2.035	2.033	1.969	2.73
25)	TM	2,2-Dichloropropane	0.854	0.877	0.845	0.835	0.898	0.891	0.866	2.97
26)	TM	cis-1,2-Dichloroeth	0.588	0.665	0.634	0.615	0.649	0.641	0.632	4.28
27)	TM	t-Amyl methyl ether	1.557	1.493	1.450	1.530	1.578	1.557	1.528	3.13
28)	S	DB HOLDER #28	0.865	0.839	0.836	0.867	0.848	0.875	0.855	1.90
29)	TMC	Chloroform	1.097	1.081	1.064	1.052	1.131	1.105	1.088	2.65# ✓
30)	TM	Bromochloromethane	0.286	0.309	0.294	0.324	0.332	0.327	0.312	6.07
31)	TM	Tetrahydrofuran	0.062	0.065	0.076	0.074	0.075	0.071	0.071#	7.75
32)	TM	1,1,1-Trichloroetha	0.870	0.910	0.877	0.879	0.947	0.930	0.902	3.52
33)	T	NO COMPOUND							0.000#	-1.00
34)	TM	1,1-Dichloropropene	0.798	0.763	0.750	0.737	0.801	0.779	0.771	3.36
35)	TM	Carbon Tetrachlorid	0.669	0.737	0.712	0.704	0.770	0.769	0.727	5.45
36)	S	d4-1,2-Dichloroetha	0.865	0.839	0.836	0.867	0.848	0.875	0.855	1.90
37)	TM	1,2-Dichloroethane	1.025	0.982	0.960	1.004	1.043	1.018	1.005	2.99
38)	TM	Benzene	1.980	1.978	1.891	1.857	1.926	1.856	1.915	2.93
39)	I	1,4-Difluorobenzene	----------ISTD----------							
40)	TM	Trichloroethene	0.335	0.335	0.326	0.322	0.335	0.322	0.329	1.98
41)	TMC	1,2-Dichloropropane	0.321	0.307	0.286	0.289	0.307	0.292	0.300	4.49# ✓
42)	TM	Methylmethacrylate	0.187	0.198	0.195	0.213	0.216	0.213	0.204	5.94
43)	TM	Methyl acetate	0.344	0.336	0.297	0.300	0.283	0.282	0.307	8.74

9/29/10

(#) = Out of Range

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

Calibration Files
1 =I44002SI.D 2 =I44003SI.D 5 =I44004SI.D
20 =I44005SI.D 50 =I44006SI.D 100 =I44007SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
44)	TM	Cyclohexane	0.467	0.485	0.461	0.455	0.484	0.461	0.469	2.74
45)	TM	Bromodichloromethan	0.446	0.451	0.441	0.448	0.474	0.455	0.452	2.52
46)	TM	Dibromomethane	0.250	0.266	0.267	0.268	0.278	0.268	0.266	3.44
47)	TM	1,4-Dioxane	0.004	0.004	0.004	0.005	0.004	0.004	0.004#	5.87
48)	TM	Methylcyclohexane	0.408	0.453	0.432	0.429	0.464	0.445	0.439	4.47
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl							0.000#	-1.00
51)	TM	2-Hexanone	0.127	0.128	0.133	0.145	0.137	0.134	0.134	5.05
52)	TM	Methyl isobutyl ket	0.131	0.133	0.134	0.145	0.138	0.132	0.136	3.92
53)	TM	cis-1,3-Dichloropro	0.458	0.489	0.463	0.465	0.501	0.483	0.477	3.59
54)	S	d8-Toluene	1.088	1.077	1.077	1.083	1.048	1.077	1.075	1.28
55)	TMC	Toluene	0.691	0.686	0.646	0.635	0.670	0.639	0.661	3.71#✓
56)	TM	trans-1,3-Dichlorop	0.432	0.467	0.457	0.470	0.496	0.485	0.468	4.77
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.217	0.225	0.232	0.233	0.232	0.222	0.227	2.87
59)	TM	1,3-Dichloropropane	0.422	0.440	0.431	0.440	0.447	0.435	0.436	2.05
60)	TM	Tetrachloroethene	0.278	0.292	0.279	0.278	0.296	0.290	0.285	2.83
61)	TM	Dibromochloromethan	0.313	0.331	0.327	0.346	0.362	0.359	0.340	5.68
62)	TM	1,2-Dibromoethane	0.335	0.330	0.335	0.348	0.353	0.346	0.341	2.75
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	0.925	0.913	0.917	0.884	0.951	0.904	0.916✓	2.42
65)	TM	1,1,1,2-Tetrachloro	0.325	0.315	0.312	0.309	0.336	0.320	0.320	3.07
66)	TMC	Ethylbenzene	1.449	1.516	1.433	1.421	1.546	1.425	1.465	3.61#✓
67)	TM	m,p-Xylene	0.563	0.571	0.543	0.524	0.571	0.528	0.550	3.87
68)	TM	o-Xylene	0.530	0.539	0.532	0.529	0.562	0.533	0.538	2.32
69)	TM	Styrene	0.914	0.941	0.935	0.927	1.004	0.948	0.945	3.30
70)	TMP	Bromoform	0.221	0.223	0.225	0.244	0.263	0.257	0.239✓	7.66
71)	TM	Isopropylbenzene	1.333	1.435	1.373	1.346	1.486	1.401	1.396	4.12
72)	TMP	1,1,2,2-Tetrachloro	0.429	0.416	0.423	0.434	0.434	0.424	0.427✓	1.64
73)	S	Bromofluorobenzene	0.512	0.509	0.511	0.506	0.512	0.514	0.511	0.58
74)	TM	1,2,3-Trichloroprop	0.336	0.336	0.319	0.331	0.334	0.321	0.329	2.25
75)	TM	trans-1,4-Dichloro-	0.055	0.059	0.068	0.076	0.078	0.077	0.069#	14.35
76)	TM	n-Propylbenzene	1.772	1.760	1.716	1.671	1.780	1.613	1.719	3.83
77)	TM	Bromobenzene	0.357	0.341	0.334	0.333	0.356	0.332	0.342	3.35
78)	TM	1,3,5-Trimethylbenz	1.122	1.184	1.134	1.103	1.213	1.140	1.149	3.59
79)	TM	2-Chlorotoluene	1.192	1.185	1.147	1.093	1.195	1.101	1.152	4.01
80)	TM	4-Chlorotoluene	1.051	1.119	1.028	1.039	1.112	1.057	1.067	3.59
81)	TM	tert-butylbenzene	0.907	0.981	0.877	0.963	1.070	0.996	0.966	7.08
82)	TM	1,2,4-Trimethylbenz	1.205	1.227	1.217	1.175	1.277	1.195	1.216	2.86
83)	T	Pentachloroethane	0.170	0.180	0.184	0.180	0.202	0.189	0.184	5.87
84)	TM	sec-butylbenzene	1.459	1.483	1.460	1.433	1.621	1.512	1.495	4.51
85)	TM	p-isopropyltoluene	1.137	1.158	1.131	1.141	1.281	1.211	1.176	5.00
86)	TM	1,3-Dichlorobenzene	0.601	0.611	0.584	0.583	0.624	0.595	0.600	2.67
87)	I	1,4-Dichlorobenzene-d	----------ISTD----------							

9/29/10

(#) = Out of Range

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

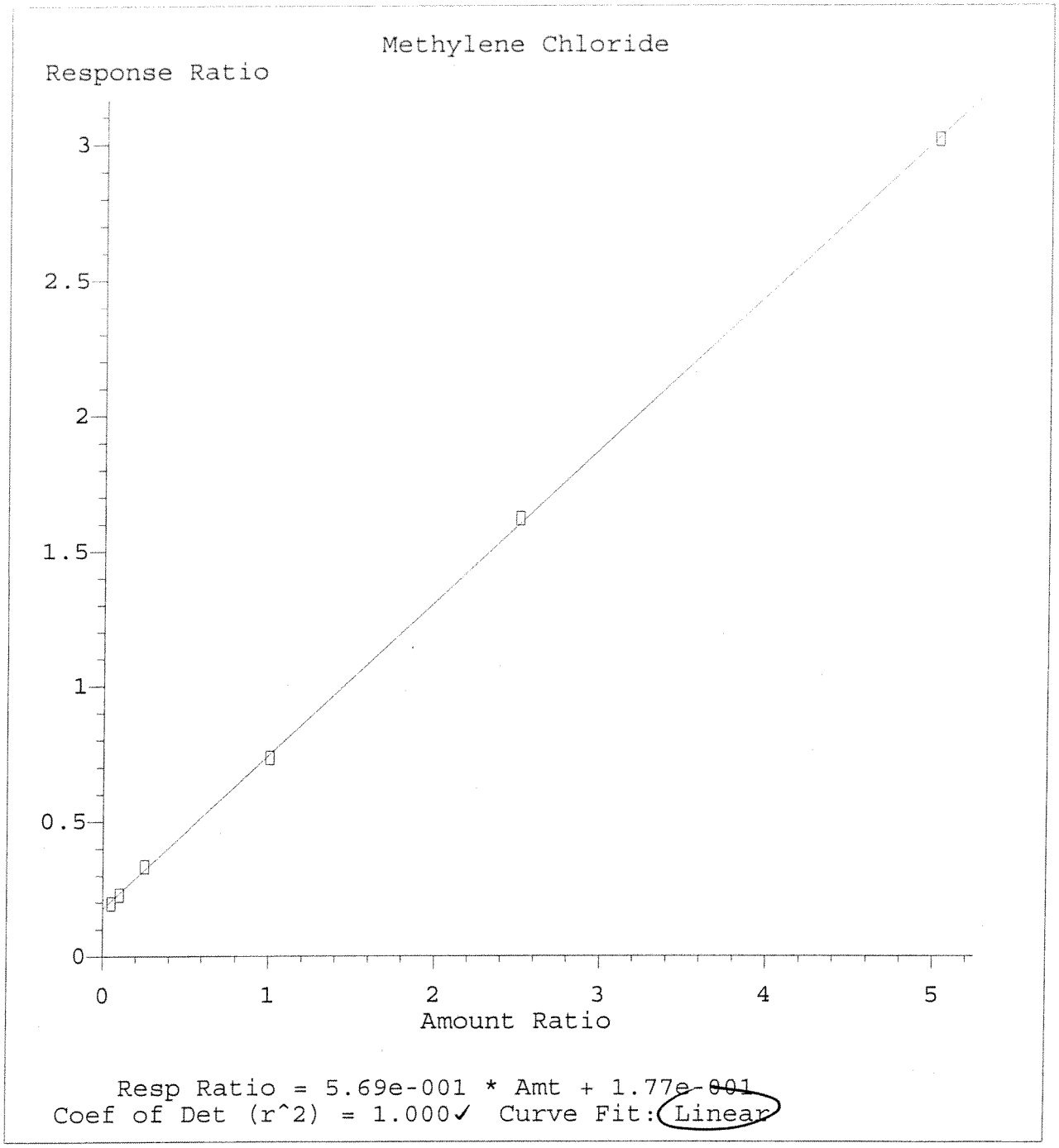
Calibration Files
1 =I44002SI.D 2 =I44003SI.D 5 =I44004SI.D
20 =I44005SI.D 50 =I44006SI.D 100 =I44007SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
88)	TM	1,4-Dichlorobenzene	1.425	1.509	1.405	1.338	1.450	1.404	1.422	3.99
89)	TM	n-butylbenzene	2.734	2.765	2.612	2.697	2.926	2.781	2.752	3.78
90)	TM	1,2-Dichlorobenzene	1.340	1.281	1.275	1.280	1.336	1.297	1.301	2.24
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.150	0.185	0.195	0.203	0.203	0.206	0.190	11.14
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	0.952	0.929	0.863	0.889	0.952	0.904	0.915	3.92
95)	TM	Hexachlorobutadiene	0.355	0.405	0.351	0.379	0.419	0.394	0.384	7.09
96)	TM	Naphthalene	1.115	1.270	1.310	1.621	1.811	1.934	1.510	~~21.68~~ 20.4
97)	TM	1,2,3-Trichlorobenz	0.780	0.846	0.759	0.803	0.850	0.823	0.810	4.49
98)	TM	1,3,5-Trichlorobenz	1.004	1.016	0.993	0.977	1.047	0.974	1.002	2.71

9/29/10

(#) = Out of Range

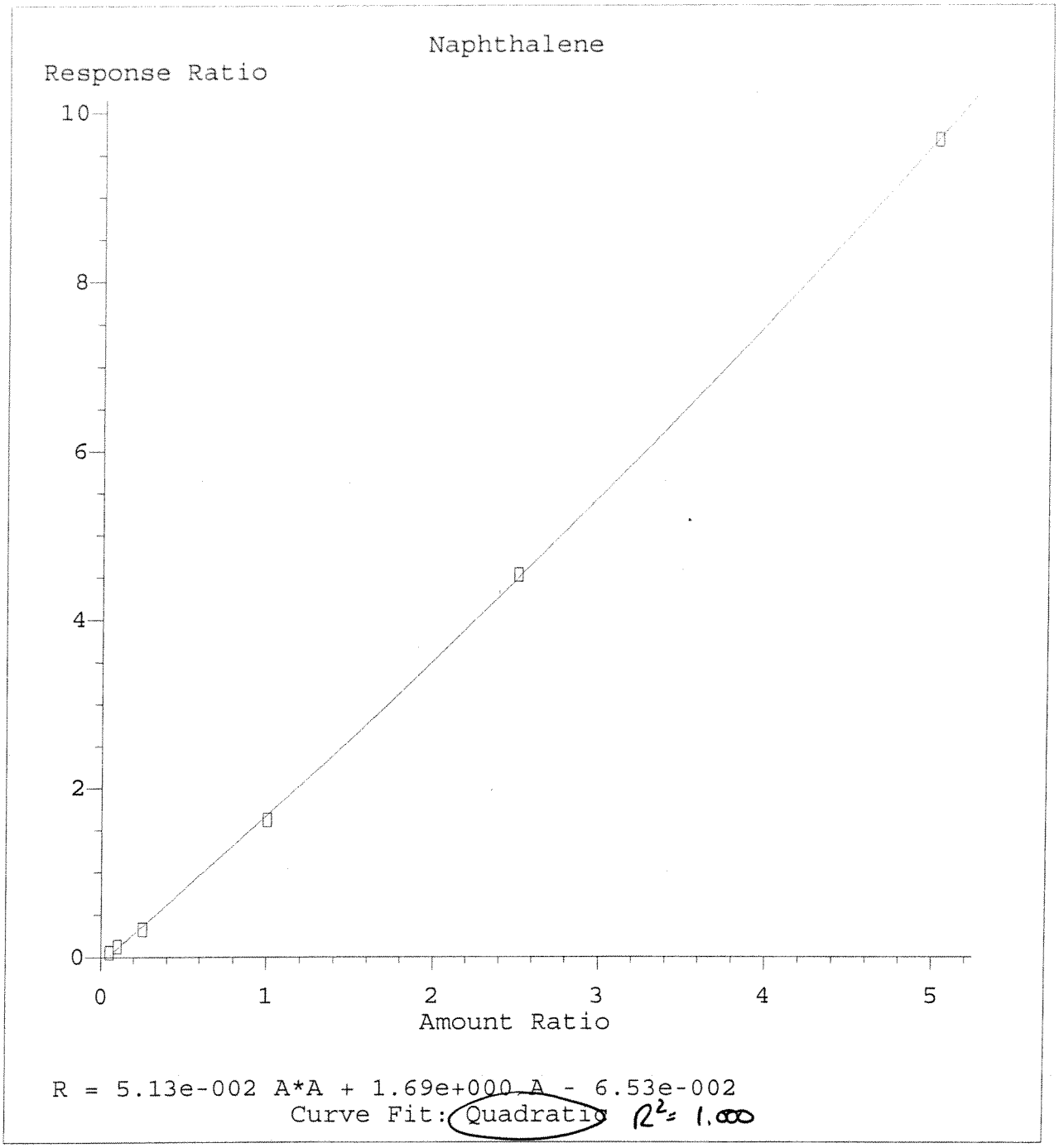
MT 9/29/10



Method Name: C:\HPCHEM\1\METHODS\VS09270I.M
Calibration Table Last Updated: Tue Sep 28 11:31:07 2010

J92910

MT 9/29/10



Method Name: C:\HPCHEM\1\METHODS\VS09270I.M
Calibration Table Last Updated: Tue Sep 28 11:31:07 2010

J92910

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: BLK
Spike: 20 PPB ICV

MT 9/29/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
Dichlorodifluoromethane	20	80	120	0.0	22	108	
Chloromethane	20	80	120	0.0	20	98	
Vinyl Chloride	20	80	120	0.0	21	105	
Bromomethane	20	80	120	0.0	23	116	
Chloroethane	20	80	120	0.0	21	107	
t-Butyl alcohol (TBA)	100	80	120	0.0	104	104	
Trichlorofluoromethane	20	80	120	0.0	18	92	
Diethyl ether	20	80	120	0.0	22	111	
1,1,2-Trichlorotrifluoroethane	20	80	120	0.0	21	106	
Acetone	100	80	120	0.0	108	108	
1,1-Dichloroethene	20	80	120	0.0	21	107	
Methyl iodide	20	80	120	0.0	24	118	
Di-isopropyl ether (DIPE)	20	80	120	0.0	21	105	
Methylene Chloride	20	80	120	0.0	23	114	
Carbon Disulfide	20	80	120	0.0	23	115	
Methyl-tert-butyl ether (MTBE)	40	80	120	0.0	43	108	
trans-1,2-Dichloroethene	20	80	120	0.0	21	105	
1,1-Dichloroethane	20	80	120	0.0	21	107	
Vinyl acetate	20	80	120	0.0	18	91	
Methyl ethyl ketone	100	80	120	0.0	109	109	
Ethyl t-butyl ether (ETBE)	20	80	120	0.0	21	106	
2,2-Dichloropropane	20	80	120	0.0	21	106	
cis-1,2-Dichloroethene	20	80	120	0.0	22	111	
t-Amyl methyl ether (TAME)	20	80	120	0.0	21	106	
Chloroform	20	80	120	0.0	22	108	
Bromochloromethane	20	80	120	0.0	23	117	
Tetrahydrofuran	20	80	120	0.0	23	113	
1,1,1-Trichloroethane	20	80	120	0.0	22	109	
1,1-Dichloropropene	20	80	120	0.0	21	107	
Carbon Tetrachloride	20	80	120	0.0	22	111	
1,2-Dichloroethane	20	80	120	0.0	22	111	
Benzene	20	80	120	0.0	21	106	
Trichloroethene	20	80	120	0.0	21	105	
1,2-Dichloropropane	20	80	120	0.0	22	109	
Methylmethacrylate	20	80	120	0.0	22	112	
Methyl acetate	20	80	120	0.0	23	113	
Cyclohexane	20	80	120	0.0	18	92	
Bromodichloromethane	20	80	120	0.0	22	108	
Dibromomethane	20	80	120	0.0	21	107	
1,4-Dioxane	500	80	120	0.0	518	104	
Methylcyclohexane	20	80	120	0.0	21	103	
2-Hexanone	100	80	120	0.0	112	112	
Methyl isobutyl ketone	100	80	120	0.0	108	108	
cis-1,3-Dichloropropene	20	80	120	0.0	22	111	
Toluene	20	80	120	0.0	21	105	
trans-1,3-Dichloropropene	20	80	120	0.0	20	102	
1,1,2-Trichloroethane	20	80	120	0.0	22	111	
1,3-Dichloropropane	20	80	120	0.0	22	112	
Tetrachloroethene	20	80	120	0.0	23	114	
Dibromochloromethane	20	80	120	0.0	22	112	

9/29/10

VOA FORM 3

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: BLK
Spike: 20 PPB ICV

MT 9/29/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
1,2-Dibromoethane	20	80	120	0.0	23	113	
Chlorobenzene	20	80	120	0.0	21	107	
1,1,1,2-Tetrachloroethane	20	80	120	0.0	22	111	
Ethylbenzene	20	80	120	0.0	21	107	
m,p-Xylene	40	80	120	0.0	43	106	
o-Xylene	20	80	120	0.0	21	104	
Styrene	20	80	120	0.0	22	109	
Bromoform	20	80	120	0.0	22	112	
Isopropylbenzene	20	80	120	0.0	19	94	
1,1,2,2-Tetrachloroethane	20	80	120	0.0	21	107	
1,2,3-Trichloropropane	20	80	120	0.0	22	108	
trans-1,4-Dichloro-2-butene	20	80	120	0.0	23	114	
n-Propylbenzene	20	80	120	0.0	21	103	
Bromobenzene	20	80	120	0.0	22	109	
1,3,5-Trimethylbenzene	20	80	120	0.0	21	107	
2-Chlorotoluene	20	80	120	0.0	21	106	
4-Chlorotoluene	20	80	120	0.0	21	104	
tert-butylbenzene	20	80	120	0.0	21	107	
1,2,4-Trimethylbenzene	20	80	120	0.0	21	103	
sec-butylbenzene	20	80	120	0.0	22	108	
p-isopropyltoluene	20	80	120	0.0	21	104	
1,3-Dichlorobenzene	20	80	120	0.0	21	104	
1,4-Dichlorobenzene	20	80	120	0.0	21	106	
n-butylbenzene	20	80	120	0.0	22	108	
1,2-Dichlorobenzene	20	80	120	0.0	22	109	
1,2-Dibromo-3-chloropropane	20	80	120	0.0	22	110	
1,2,4-Trichlorobenzene	20	80	120	0.0	20	101	
Hexachlorobutadiene	20	80	120	0.0	22	111	
Naphthalene	20	80	120	0.0	18	92	
1,2,3-Trichlorobenzene	20	80	120	0.0	22	108	
1,3,5-Trichlorobenzene	20	80	120	0.0	20	101	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____ JG29W

VOA FORM 3

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil MT 9/29/10
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration *RR

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓98	0.02
2	TM	Dichlorodifluoromethane	0.701	0.739	-5.4	109	0.00
3	TMP	Chloromethane	0.606	0.602✓	0.7	106	0.00
4	TMC	Vinyl Chloride	0.532	0.557	✓-4.7	108	0.00
5	TM	Bromomethane	0.417	0.475	-13.9	126	0.00
6	TM	Chloroethane	0.295	0.309	-4.7	105	0.01
7	TM	t-Butyl alcohol (TBA)	0.090	0.111	MT -23.3#	111	0.02
8	TM	Trichlorofluoromethane	1.059	1.143	-7.9	111	0.00
9	TM	Diethyl ether	0.258	0.287	-11.2	109	0.00
10	TM	1,1,2-Trichlorotrifluoroeth	0.564	0.637	-12.9	113	0.02
11	T	Acrolein	0.000	0.000#	0.0	106	0.02
12	TM	Acetone	0.234	0.278	-18.8	113	0.01
13	TMC	1,1-Dichloroethene	0.478	0.544	✓-13.8	116	0.00
14	TM	Methyl iodide	0.736	0.820	-11.4	113	0.01
15	TM	Di-isopropyl ether (DIPE)	1.925	2.079	-8.0	108	0.02
16	TM	Methylene Chloride	1.587	0.988 Lin 142%	~~37.7#~~	132	0.02
17	TM	Carbon Disulfide	1.572	1.712	-8.9	111	0.02
18	T	Acrylonitrile	0.218	0.257	-17.9	107	0.00
19	TM	Methyl-tert-butyl ether (MT	1.584	1.773	-11.9	110	0.03
20	TM	trans-1,2-Dichloroethene	0.577	0.638	-10.6	115	0.00
21	TMP	1,1-Dichloroethane	1.081	1.179✓	-9.1	111	0.02
22	TM	Vinyl acetate	0.084	0.098#	-16.7	110	0.01
23	TM	Methyl ethyl ketone	0.064	0.078# 120%	21.9#	108	0.02
24	TM	Ethyl t-butyl ether (ETBE)	1.969	2.160	-9.7	108	0.00
25	TM	2,2-Dichloropropane	0.866	0.969	-11.9	114	0.03
26	TM	cis-1,2-Dichloroethene	0.632	0.698	-10.4	112	0.00
27	TM	t-Amyl methyl ether (TAME)	1.528	1.698	-11.1	109	0.00
28	S	DB HOLDER #28	0.855	0.895	-4.7	102	0.00
29	TMC	Chloroform	1.088	1.189	✓-9.3	111	0.02
30	TM	Bromochloromethane	0.312	0.349	-11.9	106	0.02
31	TM	Tetrahydrofuran	0.071	0.081#	-14.1	108	0.00
32	TM	1,1,1-Trichloroethane	0.902	1.018	-12.9	114	0.02
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.771	0.847	-9.9	113	0.02
35	TM	Carbon Tetrachloride	0.727	0.815	-12.1	114	0.00
36	S	d4-1,2-Dichloroethane	0.855	0.895	-4.7	102	0.00
37	TM	1,2-Dichloroethane	1.005	1.107	-10.1	109	0.00
38	TM	Benzene	1.915	2.059	-7.5	109	0.02
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓99	0.02
40	TM	Trichloroethene	0.329	0.364	-10.6	112	0.00
41	TMC	1,2-Dichloropropane	0.300	0.324	✓-8.0	112	0.02

(#) = Out of Range 9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil MT 9/29/10
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.204	0.234	-14.7	109	0.00
43	TM	Methyl acetate	0.307	0.328	-6.8	109	0.00
44	TM	Cyclohexane	0.469	0.510	-8.7	111	0.03
45	TM	Bromodichloromethane	0.452	0.491	-8.6	109	0.00
46	TM	Dibromomethane	0.266	0.292	-9.8	108	0.00
47	TM	1,4-Dioxane	0.004	0.005#	MT -25.0#	109	0.00
48	TM	Methylcyclohexane	0.439	0.492	-12.1	114	0.02
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	109	0.00
51	TM	2-Hexanone	0.134	0.162 121%	-20.9#	111	0.00
52	TM	Methyl isobutyl ketone	0.136	0.161	-18.4	110	0.00
53	TM	cis-1,3-Dichloropropene	0.477	0.512	-7.3	109	0.02
54	S	d8-Toluene	1.075	1.081	-0.6	99	0.00
55	TMC	Toluene	0.661	0.705	✓-6.7	110	0.02
56	TM	trans-1,3-Dichloropropene	0.468	0.528	-12.8	112	0.02
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.227	0.252	-11.0	107	0.00
59	TM	1,3-Dichloropropane	0.436	0.479	-9.9	108	0.02
60	TM	Tetrachloroethene	0.285	0.327	-14.7	117	0.00
61	TM	Dibromochloromethane	0.340	0.382	-12.4	109	0.02
62	TM	1,2-Dibromoethane	0.341	0.386	-13.2	110	0.02
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓ 98	0.00
64	TMP	Chlorobenzene	0.916	1.004✓	-9.6	111	0.02
65	TM	1,1,1,2-Tetrachloroethane	0.320	0.346	-8.1	110	0.02
66	TMC	Ethylbenzene	1.465	1.624	✓-10.9	112	0.00
67	TM	m,p-Xylene	0.550	0.591	-7.5	110	0.02
68	TM	o-Xylene	0.538	0.578	-7.4	107	0.00
69	TM	Styrene	0.945	1.045	-10.6	110	0.02
70	TMP	Bromoform	0.239	0.275✓	-15.1	110	0.00
71	TM	Isopropylbenzene	1.396	1.536	-10.0	112	0.02
72	TMP	1,1,2,2-Tetrachloroethane	0.427	0.475✓	-11.2	107	0.02
73	S	Bromofluorobenzene	0.511	0.515	-0.8	100	0.00
74	TM	1,2,3-Trichloropropane	0.329	0.355	-7.9	105	0.02
75	TM	trans-1,4-Dichloro-2-butene	0.069	0.087#	MT -26.1#	112	0.02
76	TM	n-Propylbenzene	1.719	1.899	-10.5	111	0.02
77	TM	Bromobenzene	0.342	0.377	-10.2	111	0.00
78	TM	1,3,5-Trimethylbenzene	1.149	1.259	-9.6	112	0.00
79	TM	2-Chlorotoluene	1.152	1.222	-6.1	109	0.02
80	TM	4-Chlorotoluene	1.067	1.155	-8.2	109	0.00
81	TM	tert-butylbenzene	0.966	1.046	-8.3	106	0.00
82	TM	1,2,4-Trimethylbenzene	1.216	1.338	-10.0	111	0.02

(#) = Out of Range JG 29 9 10

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.184	0.196	-6.5	106	0.01
84	TM	sec-butylbenzene	1.495	1.667	-11.5	114	0.02
85	TM	p-isopropyltoluene	1.176	1.308	-11.2	112	0.02
86	TM	1,3-Dichlorobenzene	0.600	0.665	-10.8	112	0.02
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓96	0.02
88	TM	1,4-Dichlorobenzene	1.422	1.600	-12.5	115	0.02
89	TM	n-butylbenzene	2.752	3.208	-16.6	115	0.02
90	TM	1,2-Dichlorobenzene	1.301	1.456	-11.9	110	0.02
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.190	0.239 120%	-25.8#	114	0.02
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.915	1.048	-14.5	113	0.02
95	TM	Hexachlorobutadiene	0.384	0.454	-18.2	115	0.02
96	TM	Naphthalene	1.510	1.855Q 110%	~~-22.8~~#	110	0.02
97	TM	1,2,3-Trichlorobenzene	0.810	0.935	-15.4	112	0.02
98	TM	1,3,5-Trichlorobenzene	1.002	1.172	-17.0	116	0.02

9/29/10

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	I44014SC.D
0=LINEAR	Date Acquired	9/28/2010 8:19
3=QUADRATIC	Sample Name	20 PPB

MT 9/29/10

METHOD: C:\HPCHEM\1\METHODS\VS09270I.M

*RR

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	21.09	20	5.4%	NA	OK
1	Chloromethane	19.86	20	0.7%	NA	OK
1	Vinyl Chloride	20.93	20	4.7%	NA	OK
1	Bromomethane	22.77	20	13.9%	NA	OK
1	Chloroethane	20.92	20	4.6%	NA	OK
1	t-Butyl alcohol (TBA)	124.36	100	24.4%	NA	* MT
1	Trichlorofluoromethane	21.59	20	7.9%	NA	OK
1	Diethyl ether	22.26	20	11.3%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	22.57	20	12.8%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	* MT
1	Acetone	118.97	100	19.0%	NA	OK
1	1,1-Dichloroethene	22.74	20	13.7%	NA	OK
1	Methyl iodide	22.26	20	11.3%	NA	OK
1	Di-isopropyl ether (DIPE)	21.60	20	8.0%	NA	OK
0	Methylene Chloride	28.50	20	42.5%		*
1	Carbon Disulfide	21.77	20	8.9%	NA	OK
1	Acrylonitrile	23.54	20	17.7%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	22.39	20	12.0%	NA	OK
1	trans-1,2-Dichloroethene	22.13	20	10.7%	NA	OK
1	1,1-Dichloroethane	21.81	20	9.1%	NA	OK
1	Vinyl acetate	23.45	20	17.3%	NA	OK
1	Methyl ethyl ketone	120.45	100	20.4%	NA	*
1	Ethyl t-butyl ether (ETBE)	21.94	20	9.7%	NA	OK
1	2,2-Dichloropropane	22.38	20	11.9%	NA	OK
1	cis-1,2-Dichloroethene	22.09	20	10.4%	NA	OK
1	t-Amyl methyl ether (TAME)	22.23	20	11.2%	NA	OK
1	Chloroform	21.84	20	9.2%	NA	OK
1	Bromochloromethane	22.38	20	11.9%	NA	OK
1	Tetrahydrofuran	23.02	20	15.1%	NA	OK
1	1,1,1-Trichloroethane	22.56	20	12.8%	NA	OK
1	~~NO COMPOUND~~	0.00	1000	100.0%	NA	
1	1,1-Dichloropropene	21.95	20	9.7%	NA	OK
1	Carbon Tetrachloride	22.43	20	12.1%	NA	OK
1	d4-1,2-Dichloroethane	20.94	20	4.7%	NA	OK
1	1,2-Dichloroethane	22.02	20	10.1%	NA	OK
1	Benzene	21.51	20	7.5%	NA	OK
1	Trichloroethene	22.11	20	10.6%	NA	OK
1	1,2-Dichloropropane	21.57	20	7.8%	NA	OK
1	Methylmethacrylate	22.94	20	14.7%	NA	OK
1	Methyl acetate	21.35	20	6.7%	NA	OK

092900

MT 9/29/10

1	Cyclohexane	21.74	20	8.7%	NA	OK
1	Bromodichloromethane	21.69	20	8.4%	NA	OK
1	Dibromomethane	21.96	20	9.8%	NA	OK
1	1,4-Dioxane	598.09	500	19.6%	NA	OK
1	Methylcyclohexane	22.41	20	12.1%	NA	OK
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	* MT
1	2-Hexanone	120.89	100	20.9%	NA	*
1	Methyl isobutyl ketone	118.82	100	18.8%	NA	OK
1	cis-1,3-Dichloropropene	21.50	20	7.5%	NA	OK
1	d8-Toluene	20.11	20	0.6%	NA	OK
1	Toluene	21.33	20	6.6%	NA	OK
1	trans-1,3-Dichloropropene	22.57	20	12.8%	NA	OK
1	1,1,2-Trichloroethane	22.22	20	11.1%	NA	OK
1	1,3-Dichloropropane	21.96	20	9.8%	NA	OK
1	Tetrachloroethene	22.90	20	14.5%	NA	OK
1	Dibromochloromethane	22.47	20	12.3%	NA	OK
1	1,2-Dibromoethane	22.63	20	13.2%	NA	OK
1	Chlorobenzene	21.93	20	9.6%	NA	OK
1	1,1,1,2-Tetrachloroethane	21.66	20	8.3%	NA	OK
1	Ethylbenzene	22.17	20	10.8%	NA	OK
1	m,p-Xylene	42.97	40	7.4%	NA	OK
1	o-Xylene	21.52	20	7.6%	NA	OK
1	Styrene	22.12	20	10.6%	NA	OK
1	Bromoform	22.99	20	15.0%	NA	OK
1	Isopropylbenzene	22.01	20	10.0%	NA	OK
1	1,1,2,2-Tetrachloroethane	22.27	20	11.4%	NA	OK
1	Bromofluorobenzene	20.17	20	0.8%	NA	OK
1	1,2,3-Trichloropropane	21.57	20	7.9%	NA	OK
1	trans-1,4-Dichloro-2-butene	25.37	20	26.8%	NA	* MT
1	n-Propylbenzene	22.10	20	10.5%	NA	OK
1	Bromobenzene	22.03	20	10.1%	NA	OK
1	1,3,5-Trimethylbenzene	21.91	20	9.5%	NA	OK
1	2-Chlorotoluene	21.21	20	6.0%	NA	OK
1	4-Chlorotoluene	21.64	20	8.2%	NA	OK
1	tert-butylbenzene	21.66	20	8.3%	NA	OK
1	1,2,4-Trimethylbenzene	22.02	20	10.1%	NA	OK
1	Pentachloroethane	21.32	20	6.6%	NA	OK
1	sec-butylbenzene	22.31	20	11.5%	NA	OK
1	p-isopropyltoluene	22.24	20	11.2%	NA	OK
1	1,3-Dichlorobenzene	22.18	20	10.9%	NA	OK
1	1,4-Dichlorobenzene	22.50	20	12.5%	NA	OK
1	n-butylbenzene	23.31	20	16.6%	NA	OK
1	1,2-Dichlorobenzene	22.38	20	11.9%	NA	OK
1	1,2-Dibromo-3-chloropropane	25.16	20	25.8%	NA	*
1	1,2,4-Trichlorobenzene	22.90	20	14.5%	NA	OK
1	Hexachlorobutadiene	23.67	20	18.4%	NA	OK
3	Naphthalene	21.95	20	9.8%		OK
1	1,2,3-Trichlorobenzene	23.09	20	15.4%	NA	OK
1	1,3,5-Trichlorobenzene	23.39	20	16.9%	NA	OK

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D Vial: 4
Acq On : 28 Sep 2010 8:52 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil MT 9/29/10
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓100	0.03
2	TM	Dichlorodifluoromethane	0.701	0.724	-3.3	108	0.00
3	TMP	Chloromethane	0.606	0.638✓	-5.3	113	0.00
4	TMC	Vinyl Chloride	0.532	0.574	✓-7.9	113	0.00
5	TM	Bromomethane	0.417	0.468	-12.2	126	0.00
6	TM	Chloroethane	0.295	0.331	-12.2	114	0.01
7	TM	t-Butyl alcohol (TBA)	0.090	0.089#	1.1	89	0.02
8	TM	Trichlorofluoromethane	1.059	1.170	-10.5	115	0.00
9	TM	Diethyl ether	0.258	0.280	-8.5	107	0.01
10	TM	1,1,2-Trichlorotrifluoroeth	0.564	0.622	-10.3	112	0.02
11	T	Acrolein	0.000	0.000#	0.0	100	0.01
12	TM	Acetone	0.234	0.234	0.0	97	0.01
13	TMC	1,1-Dichloroethene	0.478	0.526	✓-10.0	113	0.02
14	TM	Methyl iodide	0.736	0.918	-24.7#	128	0.01
15	TM	Di-isopropyl ether (DIPE)	1.925	2.000	-3.9	105	0.03
16	TM	Methylene Chloride	1.587	0.705 Lin93%	~~-55.6#~~	96	0.02
17	TM	Carbon Disulfide	1.572	1.694	-7.8	111	0.02
18	T	Acrylonitrile	0.218	0.233	-6.9	98	0.02
19	TM	Methyl-tert-butyl ether (MT	1.584	1.666	-5.2	104	0.03
20	TM	trans-1,2-Dichloroethene	0.577	0.632	-9.5	115	0.01
21	TMP	1,1-Dichloroethane	1.081	1.143✓	-5.7	109	0.02
22	TM	Vinyl acetate	0.084	0.094#	-11.9	107	0.02
23	TM	Methyl ethyl ketone	0.064	0.069#	-7.8	96	0.03
24	TM	Ethyl t-butyl ether (ETBE)	1.969	2.116	-7.5	107	0.03
25	TM	2,2-Dichloropropane	0.866	0.976	-12.7	116	0.04
26	TM	cis-1,2-Dichloroethene	0.632	0.677	-7.1	109	0.02
27	TM	t-Amyl methyl ether (TAME)	1.528	1.602	-4.8	104	0.02
28	S	DB HOLDER #28	0.855	0.878	-2.7	101	0.03
29	TMC	Chloroform	1.088	1.175	✓-8.0	111	0.03
30	TM	Bromochloromethane	0.312	0.337	-8.0	103	0.03
31	TM	Tetrahydrofuran	0.071	0.074#	-4.2	100	0.02
32	TM	1,1,1-Trichloroethane	0.902	0.980	-8.6	111	0.03
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.771	0.839	-8.8	113	0.03
35	TM	Carbon Tetrachloride	0.727	0.802	-10.3	113	0.02
36	S	d4-1,2-Dichloroethane	0.855	0.878	-2.7	101	0.03
37	TM	1,2-Dichloroethane	1.005	1.063	-5.8	105	0.02
38	TM	Benzene	1.915	1.981	-3.4	106	0.03
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓100	0.03
40	TM	Trichloroethene	0.329	0.352	-7.0	109	0.02
41	TMC	1,2-Dichloropropane	0.300	0.309	✓-3.0	107	0.03

(#) = Out of Range 9/29/10
I44015SC.D VS09270I.M Tue Sep 28 14:03:18 2010 Page 1

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D Vial: 4
Acq On : 28 Sep 2010 8:52 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.204	0.221	-8.3	104	0.03
43	TM	Methyl acetate	0.307	0.299	2.6	100	0.01
44	TM	Cyclohexane	0.469	0.499	-6.4	110	0.03
45	TM	Bromodichloromethane	0.452	0.484	-7.1	108	0.03
46	TM	Dibromomethane	0.266	0.286	-7.5	107	0.02
47	TM	1,4-Dioxane	0.004	0.004#	0.0	87	0.02
48	TM	Methylcyclohexane	0.439	0.487	-10.9	114	0.03
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	101	0.02
51	TM	2-Hexanone	0.134	0.143	-6.7	99	0.03
52	TM	Methyl isobutyl ketone	0.136	0.143	-5.1	98	0.02
53	TM	cis-1,3-Dichloropropene	0.477	0.504	-5.7	108	0.03
54	S	d8-Toluene	1.075	1.083	-0.7	100	0.03
55	TMC	Toluene	0.661	0.692	✓-4.7	109	0.03
56	TM	trans-1,3-Dichloropropene	0.468	0.509	-8.8	108	0.03
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.227	0.241	-6.2	104	0.02
59	TM	1,3-Dichloropropane	0.436	0.459	-5.3	104	0.03
60	TM	Tetrachloroethene	0.285	0.304	-6.7	110	0.03
61	TM	Dibromochloromethane	0.340	0.364	-7.1	105	0.03
62	TM	1,2-Dibromoethane	0.341	0.362	-6.2	104	0.03
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓99	0.02
64	TMP	Chlorobenzene	0.916	0.979✓	-6.9	109	0.03
65	TM	1,1,1,2-Tetrachloroethane	0.320	0.337	-5.3	108	0.03
66	TMC	Ethylbenzene	1.465	1.583	✓-8.1	110	0.02
67	TM	m,p-Xylene	0.550	0.587	-6.7	111	0.03
68	TM	o-Xylene	0.538	0.573	-6.5	107	0.02
69	TM	Styrene	0.945	1.020	-7.9	109	0.03
70	TMP	Bromoform	0.239	0.260✓	-8.8	105	0.03
71	TM	Isopropylbenzene	1.396	1.522	-9.0	112	0.03
72	TMP	1,1,2,2-Tetrachloroethane	0.427	0.448✓	-4.9	102	0.03
73	S	Bromofluorobenzene	0.511	0.515	-0.8	101	0.02
74	TM	1,2,3-Trichloropropane	0.329	0.327	0.6	98	0.03
75	TM	trans-1,4-Dichloro-2-butene	0.069	0.078#	-13.0	101	0.03
76	TM	n-Propylbenzene	1.719	1.854	-7.9	110	0.03
77	TM	Bromobenzene	0.342	0.358	-4.7	106	0.02
78	TM	1,3,5-Trimethylbenzene	1.149	1.249	-8.7	112	0.02
79	TM	2-Chlorotoluene	1.152	1.220	-5.9	110	0.03
80	TM	4-Chlorotoluene	1.067	1.159	-8.6	110	0.02
81	TM	tert-butylbenzene	0.966	1.046	-8.3	107	0.02
82	TM	1,2,4-Trimethylbenzene	1.216	1.307	-7.5	110	0.03

(#) = Out of Range

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D Vial: 4
Acq On : 28 Sep 2010 8:52 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/28/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.184	0.200	-8.7	110	0.02
84	TM	sec-butylbenzene	1.495	1.676	-12.1	116	0.03
85	TM	p-isopropyltoluene	1.176	1.294	-10.0	112	0.03
86	TM	1,3-Dichlorobenzene	0.600	0.644	-7.3	109	0.03
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓98	0.03
88	TM	1,4-Dichlorobenzene	1.422	1.527	-7.4	112	0.03
89	TM	n-butylbenzene	2.752	3.193	-16.0	116	0.03
90	TM	1,2-Dichlorobenzene	1.301	1.402	-7.8	107	0.03
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.190	0.214	-12.6	103	0.03
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.915	1.029	-12.5	113	0.02
95	TM	Hexachlorobutadiene	0.384	0.444	-15.6	115	0.03
96	TM	Naphthalene	1.510	1.507	0.2	91	0.02
97	TM	1,2,3-Trichlorobenzene	0.810	0.886	-9.4	108	0.03
98	TM	1,3,5-Trichlorobenzene	1.002	1.152	-15.0	115	0.03

9/29/10

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	I44015SC.D
0=LINEAR	Date Acquired	9/28/2010 8:52
3=QUADRATIC	Sample Name	20 PPB

MT 9/29/10

METHOD: C:\HPCHEM\1\METHODS\VS09270I.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	20.64	20	3.2%	NA	OK
1	Chloromethane	21.04	20	5.2%	NA	OK
1	Vinyl Chloride	21.56	20	7.8%	NA	OK
1	Bromomethane	22.42	20	12.1%	NA	OK
1	Chloroethane	22.41	20	12.1%	NA	OK
1	t-Butyl alcohol (TBA)	99.52	100	0.5%	NA	OK
1	Trichlorofluoromethane	22.11	20	10.5%	NA	OK
1	Diethyl ether	21.66	20	8.3%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	22.05	20	10.2%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	* MT
1	Acetone	100.34	100	0.3%	NA	OK
1	1,1-Dichloroethene	21.99	20	9.9%	NA	OK
1	Methyl iodide	24.95	20	24.7%	NA	*
1	Di-isopropyl ether (DIPE)	20.78	20	3.9%	NA	OK
0	Methylene Chloride	18.57	20	7.1%		OK
1	Carbon Disulfide	21.54	20	7.7%	NA	OK
1	Acrylonitrile	21.31	20	6.5%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	21.03	20	5.2%	NA	OK
1	trans-1,2-Dichloroethene	21.91	20	9.6%	NA	OK
1	1,1-Dichloroethane	21.15	20	5.7%	NA	OK
1	Vinyl acetate	22.56	20	12.8%	NA	OK
1	Methyl ethyl ketone	106.23	100	6.2%	NA	OK
1	Ethyl t-butyl ether (ETBE)	21.49	20	7.4%	NA	OK
1	2,2-Dichloropropane	22.53	20	12.6%	NA	OK
1	cis-1,2-Dichloroethene	21.42	20	7.1%	NA	OK
1	t-Amyl methyl ether (TAME)	20.98	20	4.9%	NA	OK
1	Chloroform	21.58	20	7.9%	NA	OK
1	Bromochloromethane	21.56	20	7.8%	NA	OK
1	Tetrahydrofuran	21.12	20	5.6%	NA	OK
1	1,1,1-Trichloroethane	21.73	20	8.6%	NA	OK
1	~~NO COMPOUND~~	0.00	1000	100.0%	NA	
1	1,1-Dichloropropene	21.75	20	8.7%	NA	OK
1	Carbon Tetrachloride	22.08	20	10.4%	NA	OK
1	d4-1,2-Dichloroethane	20.54	20	2.7%	NA	OK
1	1,2-Dichloroethane	21.15	20	5.8%	NA	OK
1	Benzene	20.69	20	3.5%	NA	OK
1	Trichloroethene	21.36	20	6.8%	NA	OK
1	1,2-Dichloropropane	20.60	20	3.0%	NA	OK
1	Methylmethacrylate	21.65	20	8.3%	NA	OK
1	Methyl acetate	19.47	20	2.6%	NA	OK

5929w

MT 9/29/10

1	Cyclohexane	21.30	20	6.5%	NA	OK
1	Bromodichloromethane	21.41	20	7.0%	NA	OK
1	Dibromomethane	21.49	20	7.5%	NA	OK
1	1,4-Dioxane	469.92	500	6.0%	NA	OK
1	Methylcyclohexane	22.21	20	11.1%	NA	OK
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	* MT
1	2-Hexanone	106.83	100	6.8%	NA	OK
1	Methyl isobutyl ketone	105.19	100	5.2%	NA	OK
1	cis-1,3-Dichloropropene	21.15	20	5.7%	NA	OK
1	d8-Toluene	20.14	20	0.7%	NA	OK
1	Toluene	20.95	20	4.7%	NA	OK
1	trans-1,3-Dichloropropene	21.74	20	8.7%	NA	OK
1	1,1,2-Trichloroethane	21.28	20	6.4%	NA	OK
1	1,3-Dichloropropane	21.05	20	5.3%	NA	OK
1	Tetrachloroethene	21.30	20	6.5%	NA	OK
1	Dibromochloromethane	21.42	20	7.1%	NA	OK
1	1,2-Dibromoethane	21.21	20	6.1%	NA	OK
1	Chlorobenzene	21.38	20	6.9%	NA	OK
1	1,1,1,2-Tetrachloroethane	21.06	20	5.3%	NA	OK
1	Ethylbenzene	21.61	20	8.1%	NA	OK
1	m,p-Xylene	42.68	40	6.7%	NA	OK
1	o-Xylene	21.31	20	6.6%	NA	OK
1	Styrene	21.60	20	8.0%	NA	OK
1	Bromoform	21.75	20	8.7%	NA	OK
1	Isopropylbenzene	21.81	20	9.0%	NA	OK
1	1,1,2,2-Tetrachloroethane	21.00	20	5.0%	NA	OK
1	Bromofluorobenzene	20.15	20	0.8%	NA	OK
1	1,2,3-Trichloropropane	19.83	20	0.8%	NA	OK
1	trans-1,4-Dichloro-2-butene	22.63	20	13.1%	NA	OK
1	n-Propylbenzene	21.58	20	7.9%	NA	OK
1	Bromobenzene	20.91	20	4.6%	NA	OK
1	1,3,5-Trimethylbenzene	21.73	20	8.6%	NA	OK
1	2-Chlorotoluene	21.17	20	5.9%	NA	OK
1	4-Chlorotoluene	21.72	20	8.6%	NA	OK
1	tert-butylbenzene	21.67	20	8.4%	NA	OK
1	1,2,4-Trimethylbenzene	21.51	20	7.5%	NA	OK
1	Pentachloroethane	21.78	20	8.9%	NA	OK
1	sec-butylbenzene	22.42	20	12.1%	NA	OK
1	p-isopropyltoluene	22.00	20	10.0%	NA	OK
1	1,3-Dichlorobenzene	21.48	20	7.4%	NA	OK
1	1,4-Dichlorobenzene	21.48	20	7.4%	NA	OK
1	n-butylbenzene	23.20	20	16.0%	NA	OK
1	1,2-Dichlorobenzene	21.55	20	7.7%	NA	OK
1	1,2-Dibromo-3-chloropropane	22.46	20	12.3%	NA	OK
1	1,2,4-Trichlorobenzene	22.49	20	12.4%	NA	OK
1	Hexachlorobutadiene	23.13	20	15.7%	NA	OK
3	Naphthalene	18.08	20	9.6%		OK
1	1,2,3-Trichlorobenzene	21.87	20	9.4%	NA	OK
1	1,3,5-Trichlorobenzene	22.99	20	15.0%	NA	OK

J929w

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44038SC.D Vial: 27
Acq On : 28 Sep 2010 7:54 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil MT 9/29/10
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration & RR

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓98	0.03
2	TM	Dichlorodifluoromethane	0.701	0.701	0.0	103	0.00
3	TMP	Chloromethane	0.606	0.593✓	2.1	104	0.00
4	TMC	Vinyl Chloride	0.532	0.557	✓-4.7	108	0.00
5	TM	Bromomethane	0.417	0.433	-3.8	115	0.00
6	TM	Chloroethane	0.295	0.315	-6.8	108	0.02
7	TM	t-Butyl alcohol (TBA)	0.090	0.114	MT -26.7#	113	0.04
8	TM	Trichlorofluoromethane	1.059	1.094	-3.3	106	0.00
9	TM	Diethyl ether	0.258	0.273	-5.8	103	0.03
10	TM	1,1,2-Trichlorotrifluoroeth	0.564	0.575	-2.0	102	0.04
11	T	Acrolein	0.000	0.000#	0.0	95	0.03
12	TM	Acetone	0.234	0.260	-11.1	106	0.03
13	TMC	1,1-Dichloroethene	0.478	0.490	✓-2.5	104	0.03
14	TM	Methyl iodide	0.736	0.766	-4.1	105	0.03
15	TM	Di-isopropyl ether (DIPE)	1.925	1.996	-3.7	103	0.04
16	TM	Methylene Chloride	1.587	0.676 in 88%	~~57.4#~~	91	0.04
17	TM	Carbon Disulfide	1.572	1.507	4.1	98	0.03
18	T	Acrylonitrile	0.218	0.248	-13.8	104	0.03
19	TM	Methyl-tert-butyl ether (MT	1.584	1.733	-9.4	107	0.03
20	TM	trans-1,2-Dichloroethene	0.577	0.581	-0.7	105	0.02
21	TMP	1,1-Dichloroethane	1.081	1.101✓	-1.9	104	0.03
22	TM	Vinyl acetate	0.084	0.081#	3.6	91	0.03
23	TM	Methyl ethyl ketone	0.064	0.077#	-20.3#	107	0.03
24	TM	Ethyl t-butyl ether (ETBE)	1.969	2.099	-6.6	105	0.03
25	TM	2,2-Dichloropropane	0.866	0.899	-3.8	106	0.03
26	TM	cis-1,2-Dichloroethene	0.632	0.653	-3.3	105	0.03
27	TM	t-Amyl methyl ether (TAME)	1.528	1.656	-8.4	107	0.03
28	S	DB HOLDER #28	0.855	0.885	-3.5	101	0.03
29	TMC	Chloroform	1.088	1.141	✓-4.9	107	0.04
30	TM	Bromochloromethane	0.312	0.351	-12.5	106	0.03
31	TM	Tetrahydrofuran	0.071	0.085#	-19.7	113	0.02
32	TM	1,1,1-Trichloroethane	0.902	0.935	-3.7	105	0.03
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.771	0.799	-3.6	107	0.03
35	TM	Carbon Tetrachloride	0.727	0.770	-5.9	108	0.02
36	S	d4-1,2-Dichloroethane	0.855	0.885	-3.5	101	0.03
37	TM	1,2-Dichloroethane	1.005	1.087	-8.2	107	0.02
38	TM	Benzene	1.915	1.945	-1.6	103	0.03
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓98	0.03
40	TM	Trichloroethene	0.329	0.342	-4.0	104	0.03
41	TMC	1,2-Dichloropropane	0.300	0.314	✓-4.7	107	0.04

(#) = Out of Range D92940

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44038SC.D Vial: 27
Acq On : 28 Sep 2010 7:54 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.204	0.243	-19.1	112	0.03
43	TM	Methyl acetate	0.307	0.331	-7.8	108	0.02
44	TM	Cyclohexane	0.469	0.483	-3.0	104	0.04
45	TM	Bromodichloromethane	0.452	0.474	-4.9	104	0.03
46	TM	Dibromomethane	0.266	0.288	-8.3	105	0.03
47	TM	1,4-Dioxane	0.004	0.005#	-25.0#	111	0.02
48	TM	Methylcyclohexane	0.439	0.461	-5.0	105	0.03
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	109	0.02
51	TM	2-Hexanone	0.134	0.165	-23.1#	112	0.02
52	TM	Methyl isobutyl ketone	0.136	0.164	-20.6#	110	0.02
53	TM	cis-1,3-Dichloropropene	0.477	0.509	-6.7	107	0.03
54	S	d8-Toluene	1.075	1.103	-2.6	100	0.03
55	TMC	Toluene	0.661	0.678	-2.6	105	0.03
56	TM	trans-1,3-Dichloropropene	0.468	0.521	-11.3	109	0.03
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.227	0.253	-11.5	106	0.02
59	TM	1,3-Dichloropropane	0.436	0.480	-10.1	107	0.03
60	TM	Tetrachloroethene	0.285	0.325	-14.0	115	0.02
61	TM	Dibromochloromethane	0.340	0.383	-12.6	108	0.03
62	TM	1,2-Dibromoethane	0.341	0.384	-12.6	108	0.03
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	99	0.02
64	TMP	Chlorobenzene	0.916	0.970	-5.9	109	0.03
65	TM	1,1,1,2-Tetrachloroethane	0.320	0.333	-4.1	107	0.03
66	TMC	Ethylbenzene	1.465	1.520	-3.8	106	0.02
67	TM	m,p-Xylene	0.550	0.560	-1.8	106	0.02
68	TM	o-Xylene	0.538	0.558	-3.7	104	0.02
69	TM	Styrene	0.945	0.990	-4.8	106	0.03
70	TMP	Bromoform	0.239	0.266	-11.3	108	0.02
71	TM	Isopropylbenzene	1.396	1.464	-4.9	108	0.03
72	TMP	1,1,2,2-Tetrachloroethane	0.427	0.469	-9.8	107	0.03
73	S	Bromofluorobenzene	0.511	0.506	1.0	99	0.02
74	TM	1,2,3-Trichloropropane	0.329	0.365	-10.9	109	0.03
75	TM	trans-1,4-Dichloro-2-butene	0.069	0.082#	-18.8	107	0.02
76	TM	n-Propylbenzene	1.719	1.778	-3.4	105	0.02
77	TM	Bromobenzene	0.342	0.365	-6.7	108	0.02
78	TM	1,3,5-Trimethylbenzene	1.149	1.203	-4.7	108	0.02
79	TM	2-Chlorotoluene	1.152	1.170	-1.6	106	0.03
80	TM	4-Chlorotoluene	1.067	1.102	-3.3	105	0.02
81	TM	tert-butylbenzene	0.966	1.020	-5.6	105	0.02
82	TM	1,2,4-Trimethylbenzene	1.216	1.270	-4.4	107	0.02

(#) = Out of Range

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44038SC.D
Acq On : 28 Sep 2010 7:54 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 27
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.184	0.174	5.4	96	0.02
84	TM	sec-butylbenzene	1.495	1.591	-6.4	110	0.03
85	TM	p-isopropyltoluene	1.176	1.264	-7.5	110	0.03
86	TM	1,3-Dichlorobenzene	0.600	0.631	-5.2	107	0.02
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓100	0.02
88	TM	1,4-Dichlorobenzene	1.422	1.497	-5.3	111	0.03
89	TM	n-butylbenzene	2.752	2.923	-6.2	108	0.03
90	TM	1,2-Dichlorobenzene	1.301	1.394	-7.1	108	0.02
91	T	NO COMPOUND	0.000	0.000#	~~0.0~~	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.190	0.231	-21.6#	113	0.02
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.915	0.982	-7.3	110	0.02
95	TM	Hexachlorobutadiene	0.384	0.431	-12.2	113	0.02
96	TM	Naphthalene	1.510	2.09~~62~~ 123%	~~-38.7#~~	129	0.02
97	TM	1,2,3-Trichlorobenzene	0.810	0.884	-9.1	110	0.03
98	TM	1,3,5-Trichlorobenzene	1.002	1.064	-6.2	108	0.03

J429W

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	I44038SC.D
0=LINEAR	Date Acquired	9/28/2010 7:54
3=QUADRATIC	Sample Name	20 PPB

MT 9/29/10

kRR

METHOD: C:\HPCHEM\1\METHODS\VS09270I.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	20.00	20	0.0%	NA	OK
1	Chloromethane	19.57	20	2.1%	NA	OK
1	Vinyl Chloride	20.91	20	4.6%	NA	OK
1	Bromomethane	20.74	20	3.7%	NA	OK
1	Chloroethane	21.38	20	6.9%	NA	OK
1	t-Butyl alcohol (TBA)	126.83	100	26.8%	NA	* MT
1	Trichlorofluoromethane	20.66	20	3.3%	NA	OK
1	Diethyl ether	21.15	20	5.7%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	20.37	20	1.9%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	* MT
1	Acetone	111.36	100	11.4%	NA	OK
1	1,1-Dichloroethene	20.47	20	2.4%	NA	OK
1	Methyl iodide	20.81	20	4.0%	NA	OK
1	Di-isopropyl ether (DIPE)	20.74	20	3.7%	NA	OK
0	Methylene Chloride	17.53	20	12.4%		OK
1	Carbon Disulfide	19.17	20	4.2%	NA	OK
1	Acrylonitrile	22.70	20	13.5%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	21.88	20	9.4%	NA	OK
1	trans-1,2-Dichloroethene	20.17	20	0.8%	NA	OK
1	1,1-Dichloroethane	20.37	20	1.9%	NA	OK
1	Vinyl acetate	19.47	20	2.6%	NA	OK
1	Methyl ethyl ketone	119.20	100	19.2%	NA	OK
1	Ethyl t-butyl ether (ETBE)	21.31	20	6.6%	NA	OK
1	2,2-Dichloropropane	20.76	20	3.8%	NA	OK
1	cis-1,2-Dichloroethene	20.66	20	3.3%	NA	OK
1	t-Amyl methyl ether (TAME)	21.69	20	8.4%	NA	OK
1	Chloroform	20.97	20	4.8%	NA	OK
1	Bromochloromethane	22.46	20	12.3%	NA	OK
1	Tetrahydrofuran	24.12	20	20.6%	NA	* MT
1	1,1,1-Trichloroethane	20.73	20	3.7%	NA	OK
1	~~NO COMPOUND~~	0.00	1000	100.0%	NA	*
1	1,1-Dichloropropene	20.72	20	3.6%	NA	OK
1	Carbon Tetrachloride	21.19	20	5.9%	NA	OK
1	d4-1,2-Dichloroethane	20.70	20	3.5%	NA	OK
1	1,2-Dichloroethane	21.62	20	8.1%	NA	OK
1	Benzene	20.32	20	1.6%	NA	OK
1	Trichloroethene	20.76	20	3.8%	NA	OK
1	1,2-Dichloropropane	20.92	20	4.6%	NA	OK
1	Methylmethacrylate	23.84	20	19.2%	NA	OK
1	Methyl acetate	21.57	20	7.9%	NA	OK

9/29/10

MT 9/29/10

1	Cyclohexane	20.62	20	3.1%	NA	OK
1	Bromodichloromethane	20.95	20	4.8%	NA	OK
1	Dibromomethane	21.64	20	8.2%	NA	OK
1	1,4-Dioxane	615.17	500	23.0%	NA	*
1	Methylcyclohexane	21.04	20	5.2%	NA	OK
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	*
1	2-Hexanone	123.41	100	23.4%	NA	*
1	Methyl isobutyl ketone	120.58	100	20.6%	NA	*
1	cis-1,3-Dichloropropene	21.34	20	6.7%	NA	OK
1	d8-Toluene	20.51	20	2.6%	NA	OK
1	Toluene	20.51	20	2.5%	NA	OK
1	trans-1,3-Dichloropropene	22.28	20	11.4%	NA	OK
1	1,1,2-Trichloroethane	22.27	20	11.4%	NA	OK
1	1,3-Dichloropropane	22.01	20	10.1%	NA	OK
1	Tetrachloroethene	22.74	20	13.7%	NA	OK
1	Dibromochloromethane	22.55	20	12.7%	NA	OK
1	1,2-Dibromoethane	22.51	20	12.5%	NA	OK
1	Chlorobenzene	21.19	20	6.0%	NA	OK
1	1,1,1,2-Tetrachloroethane	20.85	20	4.3%	NA	OK
1	Ethylbenzene	20.75	20	3.7%	NA	OK
1	m,p-Xylene	40.72	40	1.8%	NA	OK
1	o-Xylene	20.75	20	3.8%	NA	OK
1	Styrene	20.95	20	4.8%	NA	OK
1	Bromoform	22.25	20	11.2%	NA	OK
1	Isopropylbenzene	20.98	20	4.9%	NA	OK
1	1,1,2,2-Tetrachloroethane	21.99	20	9.9%	NA	OK
1	Bromofluorobenzene	19.80	20	1.0%	NA	OK
1	1,2,3-Trichloropropane	22.18	20	10.9%	NA	OK
1	trans-1,4-Dichloro-2-butene	23.80	20	19.0%	NA	OK
1	n-Propylbenzene	20.69	20	3.4%	NA	OK
1	Bromobenzene	21.33	20	6.6%	NA	OK
1	1,3,5-Trimethylbenzene	20.94	20	4.7%	NA	OK
1	2-Chlorotoluene	20.31	20	1.6%	NA	OK
1	4-Chlorotoluene	20.65	20	3.3%	NA	OK
1	tert-butylbenzene	21.12	20	5.6%	NA	OK
1	1,2,4-Trimethylbenzene	20.90	20	4.5%	NA	OK
1	Pentachloroethane	18.90	20	5.5%	NA	OK
1	sec-butylbenzene	21.29	20	6.5%	NA	OK
1	p-isopropyltoluene	21.48	20	7.4%	NA	OK
1	1,3-Dichlorobenzene	21.04	20	5.2%	NA	OK
1	1,4-Dichlorobenzene	21.06	20	5.3%	NA	OK
1	n-butylbenzene	21.24	20	6.2%	NA	OK
1	1,2-Dichlorobenzene	21.42	20	7.1%	NA	OK
1	1,2-Dibromo-3-chloropropane	24.27	20	21.3%	NA	*
1	1,2,4-Trichlorobenzene	21.46	20	7.3%	NA	OK
1	Hexachlorobutadiene	22.47	20	12.4%	NA	OK
3	Naphthalene	24.61	20	23.0%		*
1	1,2,3-Trichlorobenzene	21.81	20	9.1%	NA	OK
1	1,3,5-Trichlorobenzene	21.23	20	6.2%	NA	OK

9/29/10

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44039SC.D Vial: 28
Acq On : 28 Sep 2010 8:22 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓99	0.03
2	TM	Dichlorodifluoromethane	0.701	0.723	-3.1	107	0.00
3	TMP	Chloromethane	0.606	0.614 ✓	-1.3	109	0.00
4	TMC	Vinyl Chloride	0.532	0.579	✓-8.8	113	0.00
5	TM	Bromomethane	0.417	0.438	-5.0	117	0.00
6	TM	Chloroethane	0.295	0.322	-9.2	111	0.02
7	TM	t-Butyl alcohol (TBA)	0.090	0.096#	-6.7	95	0.03
8	TM	Trichlorofluoromethane	1.059	1.128	-6.5	110	0.00
9	TM	Diethyl ether	0.258	0.263	-1.9	100	0.03
10	TM	1,1,2-Trichlorotrifluoroeth	0.564	0.588	-4.3	105	0.04
11	T	Acrolein	0.000	0.000#	0.0	88	0.03
12	TM	Acetone	0.234	0.229	2.1	94	0.03
13	TMC	1,1-Dichloroethene	0.478	0.492	✓-2.9	105	0.03
14	TM	Methyl iodide	0.736	0.863	-17.3	119	0.02
15	TM	Di-isopropyl ether (DIPE)	1.925	1.978	-2.8	103	0.04
16	TM	Methylene Chloride	1.587	0.674 Lin 87% ~~57.5#~~		91	0.03
17	TM	Carbon Disulfide	1.572	1.575	-0.2	103	0.03
18	T	Acrylonitrile	0.218	0.226	-3.7	95	0.03
19	TM	Methyl-tert-butyl ether (MT	1.584	1.684	-6.3	105	0.04
20	TM	trans-1,2-Dichloroethene	0.577	0.597	-3.5	108	0.02
21	TMP	1,1-Dichloroethane	1.081	1.109 ✓	-2.6	105	0.03
22	TM	Vinyl acetate	0.084	0.084#	0.0	95	0.02
23	TM	Methyl ethyl ketone	0.064	0.068#	-6.3	95	0.03
24	TM	Ethyl t-butyl ether (ETBE)	1.969	2.104	-6.9	106	0.03
25	TM	2,2-Dichloropropane	0.866	0.903	-4.3	107	0.04
26	TM	cis-1,2-Dichloroethene	0.632	0.668	-5.7	108	0.03
27	TM	t-Amyl methyl ether (TAME)	1.528	1.615	-5.7	105	0.03
28	S	DB HOLDER #28	0.855	0.870	-1.8	99	0.03
29	TMC	Chloroform	1.088	1.126	✓-3.5	106	0.03
30	TM	Bromochloromethane	0.312	0.338	-8.3	103	0.04
31	TM	Tetrahydrofuran	0.071	0.077#	-8.5	102	0.02
32	TM	1,1,1-Trichloroethane	0.902	0.953	-5.7	107	0.03
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.771	0.816	-5.8	110	0.03
35	TM	Carbon Tetrachloride	0.727	0.781	-7.4	110	0.02
36	S	d4-1,2-Dichloroethane	0.855	0.870	-1.8	99	0.03
37	TM	1,2-Dichloroethane	1.005	1.055	-5.0	104	0.03
38	TM	Benzene	1.915	1.938	-1.2	103	0.03
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓100	0.03
40	TM	Trichloroethene	0.329	0.343	-4.3	107	0.03
41	TMC	1,2-Dichloropropane	0.300	0.302	✓-0.7	105	0.03

(#) = Out of Range

J9290

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44039SC.D Vial: 28
Acq On : 28 Sep 2010 8:22 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil MT 9/29/10
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.204	0.224	-9.8	106	0.03
43	TM	Methyl acetate	0.307	0.306	0.3	102	0.02
44	TM	Cyclohexane	0.469	0.487	-3.8	107	0.03
45	TM	Bromodichloromethane	0.452	0.461	-2.0	103	0.03
46	TM	Dibromomethane	0.266	0.280	-5.3	105	0.03
47	TM	1,4-Dioxane	0.004	0.004#	0.0	99	0.02
48	TM	Methylcyclohexane	0.439	0.453	-3.2	106	0.03
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	103	0.02
51	TM	2-Hexanone	0.134	0.143	-6.7	98	0.03
52	TM	Methyl isobutyl ketone	0.136	0.144	-5.9	99	0.02
53	TM	cis-1,3-Dichloropropene	0.477	0.491	-2.9	106	0.03
54	S	d8-Toluene	1.075	1.075	0.0	100	0.03
55	TMC	Toluene	0.661	0.680	✓-2.9	107	0.03
56	TM	trans-1,3-Dichloropropene	0.468	0.499	-6.6	106	0.03
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.227	0.239	-5.3	103	0.02
59	TM	1,3-Dichloropropane	0.436	0.453	-3.9	103	0.03
60	TM	Tetrachloroethene	0.285	0.314	-10.2	113	0.03
61	TM	Dibromochloromethane	0.340	0.369	-8.5	107	0.03
62	TM	1,2-Dibromoethane	0.341	0.363	-6.5	104	0.03
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓100	0.02
64	TMP	Chlorobenzene	0.916	0.974✓	-6.3	110	0.03
65	TM	1,1,1,2-Tetrachloroethane	0.320	0.342	-6.9	110	0.03
66	TMC	Ethylbenzene	1.465	1.519	✓-3.7	107	0.02
67	TM	m,p-Xylene	0.550	0.579	-5.3	110	0.03
68	TM	o-Xylene	0.538	0.561	-4.3	106	0.02
69	TM	Styrene	0.945	1.011	-7.0	109	0.03
70	TMP	Bromoform	0.239	0.255✓	-6.7	104	0.02
71	TM	Isopropylbenzene	1.396	1.492	-6.9	111	0.03
72	TMP	1,1,2,2-Tetrachloroethane	0.427	0.441✓	-3.3	101	0.03
73	S	Bromofluorobenzene	0.511	0.508	0.6	100	0.02
74	TM	1,2,3-Trichloropropane	0.329	0.335	-1.8	101	0.03
75	TM	trans-1,4-Dichloro-2-butene	0.069	0.075#	-8.7	99	0.02
76	TM	n-Propylbenzene	1.719	1.800	-4.7	108	0.03
77	TM	Bromobenzene	0.342	0.355	-3.8	106	0.02
78	TM	1,3,5-Trimethylbenzene	1.149	1.251	-8.9	113	0.02
79	TM	2-Chlorotoluene	1.152	1.196	-3.8	109	0.03
80	TM	4-Chlorotoluene	1.067	1.108	-3.8	107	0.02
81	TM	tert-butylbenzene	0.966	1.046	-8.3	108	0.02
82	TM	1,2,4-Trimethylbenzene	1.216	1.266	-4.1	108	0.03

(#) = Out of Range

S92910

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44039SC.D Vial: 28
Acq On : 28 Sep 2010 8:22 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.184	0.178	3.3	98	0.02
84	TM	sec-butylbenzene	1.495	1.597	-6.8	111	0.03
85	TM	p-isopropyltoluene	1.176	1.279	-8.8	112	0.03
86	TM	1,3-Dichlorobenzene	0.600	0.627	-4.5	107	0.02
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓99	0.02
88	TM	1,4-Dichlorobenzene	1.422	1.515	-6.5	112	0.03
89	TM	n-butylbenzene	2.752	2.979	-8.2	110	0.03
90	TM	1,2-Dichlorobenzene	1.301	1.397	-7.4	108	0.03
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.190	0.206	-8.4	101	0.03
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.915	0.974	-6.4	109	0.02
95	TM	Hexachlorobutadiene	0.384	0.429	-11.7	112	0.03
96	TM	Naphthalene	1.510	1.908	2 113% -~~26.4#~~	117	0.02
97	TM	1,2,3-Trichlorobenzene	0.810	0.860	-6.2	106	0.03
98	TM	1,3,5-Trichlorobenzene	1.002	1.051	-4.9	107	0.02

J92910

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	I44039SC.D
0=LINEAR	Date Acquired	9/28/2010 8:22
3=QUADRATIC	Sample Name	20 PPB

MT 9/29/10

METHOD: C:\HPCHEM\1\METHODS\VS09270I.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	20.63	20	3.2%	NA	OK
1	Chloromethane	20.27	20	1.4%	NA	OK
1	Vinyl Chloride	21.75	20	8.7%	NA	OK
1	Bromomethane	21.01	20	5.1%	NA	OK
1	Chloroethane	21.85	20	9.2%	NA	OK
1	t-Butyl alcohol (TBA)	106.65	100	6.7%	NA	OK
1	Trichlorofluoromethane	21.32	20	6.6%	NA	OK
1	Diethyl ether	20.34	20	1.7%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	20.85	20	4.3%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	* NT
1	Acetone	98.02	100	2.0%	NA	OK
1	1,1-Dichloroethene	20.57	20	2.8%	NA	OK
1	Methyl iodide	23.43	20	17.2%	NA	OK
1	Di-isopropyl ether (DIPE)	20.55	20	2.8%	NA	OK
0	Methylene Chloride	17.47	20	12.7%		OK
1	Carbon Disulfide	20.04	20	0.2%	NA	OK
1	Acrylonitrile	20.69	20	3.4%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	21.26	20	6.3%	NA	OK
1	trans-1,2-Dichloroethene	20.72	20	3.6%	NA	OK
1	1,1-Dichloroethane	20.52	20	2.6%	NA	OK
1	Vinyl acetate	20.18	20	0.9%	NA	OK
1	Methyl ethyl ketone	106.16	100	6.2%	NA	OK
1	Ethyl t-butyl ether (ETBE)	21.36	20	6.8%	NA	OK
1	2,2-Dichloropropane	20.83	20	4.2%	NA	OK
1	cis-1,2-Dichloroethene	21.15	20	5.7%	NA	OK
1	t-Amyl methyl ether (TAME)	21.14	20	5.7%	NA	OK
1	Chloroform	20.69	20	3.5%	NA	OK
1	Bromochloromethane	21.66	20	8.3%	NA	OK
1	Tetrahydrofuran	21.75	20	8.8%	NA	OK
1	1,1,1-Trichloroethane	21.12	20	5.6%	NA	OK
1	~~NO COMPOUND~~	0.00	1000	100.0%	NA	
1	1,1-Dichloropropene	21.15	20	5.7%	NA	OK
1	Carbon Tetrachloride	21.50	20	7.5%	NA	OK
1	d4-1,2-Dichloroethane	20.35	20	1.8%	NA	OK
1	1,2-Dichloroethane	20.98	20	4.9%	NA	OK
1	Benzene	20.25	20	1.2%	NA	OK
1	Trichloroethene	20.84	20	4.2%	NA	OK
1	1,2-Dichloropropane	20.09	20	0.4%	NA	OK
1	Methylmethacrylate	22.02	20	10.1%	NA	OK
1	Methyl acetate	19.96	20	0.2%	NA	OK

3429 CJ

MT 9/29/10

1	Cyclohexane	20.76	20	3.8%	NA	OK
1	Bromodichloromethane	20.40	20	2.0%	NA	OK
1	Dibromomethane	21.04	20	5.2%	NA	OK
1	1,4-Dioxane	536.08	500	7.2%	NA	OK
1	Methylcyclohexane	20.66	20	3.3%	NA	OK
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	* MT
1	2-Hexanone	106.42	100	6.4%	NA	OK
1	Methyl isobutyl ketone	106.30	100	6.3%	NA	OK
1	cis-1,3-Dichloropropene	20.59	20	3.0%	NA	OK
1	d8-Toluene	20.01	20	0.0%	NA	OK
1	Toluene	20.58	20	2.9%	NA	OK
1	trans-1,3-Dichloropropene	21.32	20	6.6%	NA	OK
1	1,1,2-Trichloroethane	21.05	20	5.3%	NA	OK
1	1,3-Dichloropropane	20.79	20	4.0%	NA	OK
1	Tetrachloroethene	21.97	20	9.8%	NA	OK
1	Dibromochloromethane	21.74	20	8.7%	NA	OK
1	1,2-Dibromoethane	21.27	20	6.3%	NA	OK
1	Chlorobenzene	21.28	20	6.4%	NA	OK
1	1,1,1,2-Tetrachloroethane	21.40	20	7.0%	NA	OK
1	Ethylbenzene	20.73	20	3.7%	NA	OK
1	m,p-Xylene	42.14	40	5.3%	NA	OK
1	o-Xylene	20.86	20	4.3%	NA	OK
1	Styrene	21.40	20	7.0%	NA	OK
1	Bromoform	21.34	20	6.7%	NA	OK
1	Isopropylbenzene	21.38	20	6.9%	NA	OK
1	1,1,2,2-Tetrachloroethane	20.67	20	3.3%	NA	OK
1	Bromofluorobenzene	19.88	20	0.6%	NA	OK
1	1,2,3-Trichloropropane	20.37	20	1.9%	NA	OK
1	trans-1,4-Dichloro-2-butene	21.85	20	9.3%	NA	OK
1	n-Propylbenzene	20.95	20	4.7%	NA	OK
1	Bromobenzene	20.77	20	3.9%	NA	OK
1	1,3,5-Trimethylbenzene	21.77	20	8.8%	NA	OK
1	2-Chlorotoluene	20.76	20	3.8%	NA	OK
1	4-Chlorotoluene	20.76	20	3.8%	NA	OK
1	tert-butylbenzene	21.66	20	8.3%	NA	OK
1	1,2,4-Trimethylbenzene	20.82	20	4.1%	NA	OK
1	Pentachloroethane	19.29	20	3.5%	NA	OK
1	sec-butylbenzene	21.36	20	6.8%	NA	OK
1	p-isopropyltoluene	21.75	20	8.7%	NA	OK
1	1,3-Dichlorobenzene	20.89	20	4.5%	NA	OK
1	1,4-Dichlorobenzene	21.31	20	6.5%	NA	OK
1	n-butylbenzene	21.65	20	8.2%	NA	OK
1	1,2-Dichlorobenzene	21.47	20	7.3%	NA	OK
1	1,2-Dibromo-3-chloropropane	21.61	20	8.1%	NA	OK
1	1,2,4-Trichlorobenzene	21.30	20	6.5%	NA	OK
1	Hexachlorobutadiene	22.33	20	11.6%	NA	OK
3	Naphthalene	22.54	20	12.7%		OK
1	1,2,3-Trichlorobenzene	21.22	20	6.1%	NA	OK
1	1,3,5-Trichlorobenzene	20.98	20	4.9%	NA	OK

J 9/29/10

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67834

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	115240		6.40		214249		7.92		185477		12.56		80347		16.38	
Upper Limit	230480		6.46		428498		7.98		370954		12.62		160694		16.44	
Lower limit	57620		6.34		107125		7.86		92739		12.50		40174		16.32	
SAMPLE ID																
1 PPB	113651		6.40		209896		7.93		178137		12.57		77361		16.38	
2 PPB	117322		6.40		213441		7.93		183482		12.56		78893		16.37	
5 PPB	112601		6.39		208170		7.92		178504		12.56		77316		16.38	
20 PPB	115240		6.40		214249		7.92		185477		12.56		80347		16.38	
50 PPB	119455		6.39		222446		7.92		186670		12.56		82549		16.38	
100 PPB	115759		6.39		220266		7.92		189844		12.56		82308		16.37	
20 PPB ICV	116794		6.40		216266		7.93		187549		12.56		80716		16.38	
20 PPB ICV2	113034		6.40		209787		7.92		182438		12.56		78006		16.38	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67834

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	114699		6.43		214572		7.96		183336		12.59		78599		16.41	
Upper Limit	229398		6.49		429144		8.02		366672		12.65		157198		16.47	
Lower limit	57350		6.37		107286		7.90		91668		12.53		39300		16.35	
SAMPLE ID																
20 PPB	114699		6.43		214572		7.96		183336		12.59		78599		16.41	
LL09280I	117421		6.42		222954		7.96		184581		12.59		78922		16.40	
LL09280I2	117980		6.43		221384		7.95		189239		12.58		80175		16.41	
LB09280I	113092		6.42		209787		7.95		179781		12.58		77571		16.39	
67834-10	111716		6.41		208010		7.94		180081		12.57		77413		16.40	
67834-11	112147		6.42		211208		7.95		178273		12.58		76317		16.39	
67834-12	111146		6.41		207073		7.95		175352		12.58		75413		16.39	
67834-1	107160		6.43		199406		7.95		170334		12.57		73640		16.40	
67834-2	109865		6.42		203308		7.95		176992		12.58		74429		16.39	
67834-3	109714		6.42		198553		7.95		170768		12.58		74980		16.40	
67834-4	108791		6.42		203471		7.95		172386		12.58		74713		16.40	
67834-5	103092		6.42		192985		7.96		164006		12.59		69673		16.40	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67834

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	114215		6.42		214733		7.95		185195		12.58		79727		16.39	
Upper Limit	228430		6.48		429466		8.01		370390		12.64		159454		16.45	
Lower limit	57108		6.36		107367		7.89		92598		12.52		39864		16.33	
SAMPLE ID																
20 PPB	114215		6.42		214733		7.95		185195		12.58		79727		16.39	
LL09280I3	118192		6.42		222527		7.95		190784		12.58		82331		16.40	
LL09280I4	115252		6.43		212805		7.94		187976		12.58		79639		16.40	
LB09280I2	109765		6.42		204517		7.95		177223		12.58		75512		16.40	
67834-7	108221		6.42		203585		7.95		174041		12.58		75510		16.40	
67834-8	116393		6.42		219009		7.95		186136		12.58		78575		16.40	
67834-13	115234		6.42		215587		7.95		188116		12.58		78445		16.40	
67834-14	114238		6.42		214917		7.95		185722		12.58		80572		16.39	
67834-17	102423		6.42		196942		7.95		169557		12.58		73889		16.39	
67834-16	111620		6.41		208570		7.95		177659		12.57		75954		16.40	
67834-15	110610		6.42		208415		7.95		179902		12.58		77439		16.39	
67834-18	110676		6.42		207318		7.95		181595		12.58		75864		16.39	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV092110K3
Matrix: Soil
Percent Solid: 0
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				83
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV092210K
Matrix: Soil
Percent Solid: 0
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				92
Surrogate % Recovery (2,5-Dibromotoluene) FID				81
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-01

SAMPLE DATA

Lab Sample ID: 67834-1
Matrix: Solid
Percent Solid: 96
Dilution Factor: 64
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3200	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3200	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3200	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3200	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	640	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				92
Surrogate % Recovery (2,5-Dibromotoluene) FID				87
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-02

SAMPLE DATA

Lab Sample ID: 67834-2
Matrix: Solid
Percent Solid: 90
Dilution Factor: 66
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3300	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3300	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3300	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3300	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	660	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				83
Surrogate % Recovery (2,5-Dibromotoluene) FID				79
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-03

SAMPLE DATA

Lab Sample ID: 67834-3
Matrix: Solid
Percent Solid: 94
Dilution Factor: 52
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2600	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2600	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	210	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2600	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2600	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	520	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				82
Surrogate % Recovery (2,5-Dibromotoluene) FID				78
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-04

SAMPLE DATA

Lab Sample ID: 67834-4
Matrix: Solid
Percent Solid: 95
Dilution Factor: 69
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3450	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3450	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	280	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3450	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3450	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	690	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				84
Surrogate % Recovery (2,5-Dibromotoluene) FID				79
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-B-5

SAMPLE DATA

Lab Sample ID: 67834-5
Matrix: Solid
Percent Solid: 87
Dilution Factor: 76.5
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3830	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3830	µg/kg	**180000 E**
Benzene	C5-C8	150	µg/kg	U
Ethylbenzene	C9-C12	150	µg/kg	U
Methyl-tert-butyl ether	C5-C8	150	µg/kg	U
Naphthalene	N/A	150	µg/kg	**488**
Toluene	C5-C8	150	µg/kg	U
m- & p-Xylenes	C9-C12	310	µg/kg	U
o-Xylene	C9-C12	150	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3830	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3830	µg/kg	**110000 E**
C9-C10 Aromatic Hydrocarbons[1]	N/A	770	µg/kg	**69400 E**
Surrogate % Recovery (2,5-Dibromotoluene) PID				87
Surrogate % Recovery (2,5-Dibromotoluene) FID				81
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-B-5

SAMPLE DATA

Lab Sample ID: 67834-5 DL
Matrix: Solid
Percent Solid: 87
Dilution Factor: 383
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	19200	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	19200	µg/kg	**160000**
Benzene	C5-C8	770	µg/kg	U
Ethylbenzene	C9-C12	770	µg/kg	U
Methyl-tert-butyl ether	C5-C8	770	µg/kg	U
Naphthalene	N/A	770	µg/kg	U
Toluene	C5-C8	770	µg/kg	U
m- & p-Xylenes	C9-C12	1530	µg/kg	U
o-Xylene	C9-C12	770	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	19200	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	19200	µg/kg	**92700**
C9-C10 Aromatic Hydrocarbons[1]	N/A	3830	µg/kg	**67500**
Surrogate % Recovery (2,5-Dibromotoluene) PID				95
Surrogate % Recovery (2,5-Dibromotoluene) FID				85
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM2-SW-01

SAMPLE DATA

Lab Sample ID: 67834-7
Matrix: Solid
Percent Solid: 95
Dilution Factor: 58
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2900	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2900	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	230	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2900	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2900	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	580	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				89
Surrogate % Recovery (2,5-Dibromotoluene) FID				79
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM2-SW-02

SAMPLE DATA

Lab Sample ID: 67834-8
Matrix: Solid
Percent Solid: 91
Dilution Factor: 68
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3400	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3400	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	270	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3400	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3400	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	680	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				85
Surrogate % Recovery (2,5-Dibromotoluene) FID				84
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: MPlull

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM2-SW-03

SAMPLE DATA

Lab Sample ID: 67834-11
Matrix: Solid
Percent Solid: 96
Dilution Factor: 68
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3400	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3400	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	270	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3400	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3400	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	680	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				94
Surrogate % Recovery (2,5-Dibromotoluene) FID				102
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: Mulbull

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM2-SW-04

SAMPLE DATA

Lab Sample ID: 67834-12
Matrix: Solid
Percent Solid: 95
Dilution Factor: 65
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3250	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3250	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3250	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3250	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	650	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				83
Surrogate % Recovery (2,5-Dibromotoluene) FID				81
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM2-B-5

SAMPLE DATA

Lab Sample ID: 67834-14
Matrix: Solid
Percent Solid: 79
Dilution Factor: 74
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3700	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3700	µg/kg	U
Benzene	C5-C8	150	µg/kg	U
Ethylbenzene	C9-C12	150	µg/kg	U
Methyl-tert-butyl ether	C5-C8	150	µg/kg	U
Naphthalene	N/A	150	µg/kg	U
Toluene	C5-C8	150	µg/kg	U
m- & p-Xylenes	C9-C12	300	µg/kg	U
o-Xylene	C9-C12	150	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3700	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3700	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	740	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				84
Surrogate % Recovery (2,5-Dibromotoluene) FID				80
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-SW-01

SAMPLE DATA

Lab Sample ID: 67834-15
Matrix: Solid
Percent Solid: 90
Dilution Factor: 61
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3050	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3050	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	240	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3050	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3050	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	610	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				93
Surrogate % Recovery (2,5-Dibromotoluene) FID				89
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: Mbulbull

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-SW-03

SAMPLE DATA

Lab Sample ID: 67834-16
Matrix: Solid
Percent Solid: 95
Dilution Factor: 62
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3100	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3100	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	250	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3100	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3100	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	620	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				86
Surrogate % Recovery (2,5-Dibromotoluene) FID				82
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-B-5

SAMPLE DATA

Lab Sample ID: 67834-17
Matrix: Solid
Percent Solid: 94
Dilution Factor: 66
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3300	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3300	µg/kg	**5900**
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	**393**
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3300	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3300	µg/kg	**3640**
C9-C10 Aromatic Hydrocarbons[1]	N/A	660	µg/kg	**2250**
Surrogate % Recovery (2,5-Dibromotoluene) PID				93
Surrogate % Recovery (2,5-Dibromotoluene) FID				91
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-SW-04

SAMPLE DATA

Lab Sample ID: 67834-18
Matrix: Solid
Percent Solid: 94
Dilution Factor: 60
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3000	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3000	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	240	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3000	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3000	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	600	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				95
Surrogate % Recovery (2,5-Dibromotoluene) FID				101
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-SW-04D

SAMPLE DATA

Lab Sample ID: 67834-19
Matrix: Solid
Percent Solid: 94
Dilution Factor: 70
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3500	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	280	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	700	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				86
Surrogate % Recovery (2,5-Dibromotoluene) FID				84
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67834

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV092110K3	92		83	
LSV092110K4	98		107	
MBV092110K3	83		88	
67834-1	87		92	
67834-2	79		83	
67834-3	78		82	
67834-4	79		84	
67834-8	84		85	
67834-11	102		94	
67834-12	81		83	
67834-14	80		84	
67834-15	89		93	
67834-16	82		86	
67834-17	91		93	
67834-18	101		95	
67834-19	84		86	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67834

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV092210K	79		90	
LSV092210K2	102		118	
MBV092210K	81		92	
67834-7	79		89	
67834-18,MS	107		107	
67834-18,MSD	91		93	
67834-5,5X	85		95	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67834
Non-spiked sample: MBV092110K3
Spike: LSV092110K3
Spike duplicate: LSV092110K4

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4624	92		5949	119		25	
2-Methylpentane	5000	5000	70	130	25	0	4512	90		5767	115		24	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	4983	100		5774	115		15	
n-Decane	5000	5000	70	130	25	0	4677	94		5968	119		24	
n-Butylcyclohexane	5000	5000	70	130	25	0	4599	92		5746	115		22	
Methyl-t-butylether #2	5000	5000	70	130	25	0	3946	79		5040	101		24	
Benzene #2	5000	5000	70	130	25	0	4300	86		5429	109		23	
Toluene #2	5000	5000	70	130	25	0	4278	86		5413	108		23	
Ethylbenzene #2	5000	5000	70	130	25	0	4157	83		5283	106		24	
m,p-Xylene #2	10000	10000	70	130	25	0	8579	86		10850	109		23	
o-Xylene #2	5000	5000	70	130	25	0	4078	82		5179	104		24	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4136	83		5242	105		24	
Naphthalene #2	5000	5000	70	130	25	0	3588	72		4736	95		28	*
C5-C8 Aliphatics	15000	15000	70	130	25	0	14118	94		17490	117		21	
C9-C12 Aliphatics	10000	10000	70	130	25	0	9276	93		11714	117		23	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4136	83		5242	105		24	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67834
Non-spiked sample: MBV092210K
Spike: LSV092210K
Spike duplicate: LSV092210K2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4926	99		6006	120		20	
2-Methylpentane	5000	5000	70	130	25	0	4783	96		5785	116		19	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	5200	104		5430	109		4	
n-Decane	5000	5000	70	130	25	0	5172	103		6344	127		20	
n-Butylcyclohexane	5000	5000	70	130	25	0	4829	97		5908	118		20	
Methyl-t-butylether #2	5000	5000	70	130	25	0	4163	83		5444	109		27	*
Benzene #2	5000	5000	70	130	25	0	4727	95		5890	118		22	
Toluene #2	5000	5000	70	130	25	0	4744	95		5930	119		22	
Ethylbenzene #2	5000	5000	70	130	25	0	4623	92		5719	114		21	
m,p-Xylene #2	10000	10000	70	130	25	0	9508	95		11691	117		21	
o-Xylene #2	5000	5000	70	130	25	0	4556	91		5625	113		21	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4634	93		5686	114		20	
Naphthalene #2	5000	5000	70	130	25	0	3706	74		5355	107		36	*
C5-C8 Aliphatics	15000	15000	70	130	25	0	14909	99		17221	115		14	
C9-C12 Aliphatics	10000	10000	70	130	25	0	10002	100		12253	123		20	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4634	93		5686	114		20	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOLATILE PETROLEUM HYDROCARBONS SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67834
Non-spiked sample: 67834-18
Spike: 67834-18,MS
Spike duplicate: 67834-18,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5589	6592	70	130	25	0	4748	85		5528	84		15	
2-Methylpentane	5589	6592	70	130	25	0	5189	93		5582	85		7	
2,2,4-Trimethylpentane	5589	6592	70	130	25	0	3547	63	*	4420	67	*	22	
n-Decane	5589	6592	70	130	25	0	5636	101		6149	93		9	
n-Butylcyclohexane	5589	6592	70	130	25	0	5360	96		5859	89		9	
Methyl-t-butylether #2	5589	6592	70	130	25	0	4810	86		5093	77		6	
Benzene #2	5589	6592	70	130	25	0	5489	98		5718	87		4	
Toluene #2	5589	6592	70	130	25	0	5427	97		5725	87		5	
Ethylbenzene #2	5589	6592	70	130	25	0	5277	94		5553	84		5	
m,p-Xylene #2	11177	13183	70	130	25	0	10851	97		11407	87		5	
o-Xylene #2	5589	6592	70	130	25	0	5185	93		5419	82		4	
1,2,4-Trimethylbenzene #2	5589	6592	70	130	25	0	5229	94		5524	84		5	
Naphthalene #2	5589	6592	70	130	25	0	5728	102		5192	79		10	
C5-C8 Aliphatics	16766	19775	70	130	25	0	13483	80		15530	79		14	
C9-C12 Aliphatics	11177	13183	70	130	25	0	10995	98		12007	91		9	
C9-C10 Aromatics #2	5589	6592	70	130	25	0	5229	94		5524	84		5	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VPH FORM 3

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: 90

Unload: 90

072210-K

VPH Surrogate: -

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	~~07~~ VPH072210.M	BLK	5ml	–	–		K27978	JJL	N/A
2		VPH 100		200ml	V8896	✓, changed trap + baked	79SC		
3		BLK		–	–		80		
4		VPH 100		200ml	V8896	✓	81SC		
5		LSV072210K	100ml/5ml	5ml	V8899	↑ Pentane, changed sparge tube	82Q		
6		BLK	5ml	–	–		83		
7		LSV072210K.RR	100ml/5ml	5ml	V8899	↑ Pentane, Recal	84Q		
8		BLK	5ml	–	–	Co concern	85		
9		VPH 1		2ml	V8910	✓	86S1		
10		VPH 2		4ml		✓	87S1		
11		VPH 5		10ml		✓	88S1		
12		VPH 20		40ml		✓	89S1		
13		VPH 50		100ml		✓	90S1		
14		VPH 100		200ml		✓	91S1		
15		VPH 200		400ml		✓	92S1		
16		BLK		–	–	Co concern	93		
17		VPH 500		1ml	V8910	✓	94S1		
18		BLK		–	–	Co concern	95		
19		LV072210K, ICV		100ml	V8898	✓	96Q		
20		VPH 100		200ml	V8910	✓ Test theory on instr.	97		

98 7/23/10

Analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: [illegible]

Unload: [illegible]

092110-K

VPH Surrogate: ① V9034 x 3/17/11 ② V9040 x 3/21/11

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments		File #	Analyst	pH
1	VPH072210.m	BLK	5ml	–	–			K28995	JJL	n/a
2		VPH 100		200ul	V9035	✓		96		
3		LSV092110K	100ul/5ml	5ul	V9033	✓		97		
4		LSV092110K2				✓		98		
5		BLK	5ml	–	–			99		
6		MBV092110K	100ul/5ml	10ul	V9034	surr fails, Remake std		K29000B		
7		MBV092110K2		10ul	V9040	✓		01B		
8		67833-1	100ul/5ml		①	✓		02		
9		-2				✓		03		
10		-3				✓		04		
11		-4				✓		05		
12		-5				✓		06		
13		-6				✓		07		
14		-7				✓		08		
15		-8				✓		09		
16		-9				RR str.		10		
17		-10				✓		11		
18		-11				RR str.		12		
19		-12				✓		13		
20		-13				✓		14		
21		-14				RR SX		15		
22		-15				RR str.		16		
23		-16				✓		17		
24		67835-6				✓		18		
25		VPH 100	5ml	200ul	V9035	✓		19SC		
26		~~VPH 100~~ LSV092110K3	100ul/5ml	5ul	V9033	✓	] 2 RPD hits, write memo	20		
27		LSV092110K4				✓		21 Q		
28		BLK	5ml	–	–			22		
29		MBV092110K3	100ul/5ml	10ul	V9040	✓		23B		
30		67834-1			②	✓	8:28	24		
31		-2				✓	9:15	25		
32		-3				✓	10:95	26		
33		-4				✓	7:97	27		
34		-5				RR	8:26	28		
35		-7				RR str.	9:54	29		
36		-8				✓	8:58	30		
37		-11				✓	7:81	31		
38		-12				✓	8:51	32		
39		-14				✓	10:33	33		
40		-15				✓	10:00	34		

(cont.)

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

092110-K (cont.)

VPH Surrogate: (2) V9040 x 3/21/11

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
41	VPH072210.m	67834-16	100ml/5ml	10ml	(2)	✓ 8:92	K29035	JTL	n/A
42		-17				✓ 8:53	36		
43		-18				✓ 9:35	37		
44		-19				✓ 7:90	38		
45		67833-6,MS		5ml	V9033	10:27	39SP		
46		-6,MSD				✓ 9:91	40SP		
47		VPH100	5ml	200ml	V9035	✓	41SC		
48		VPH100		200ml		✓	42SC		

gg 9/22/10

Analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: [illegible]

Unload: [illegible]

092210-K

VPH Surrogate: ① V9040 x.3/21/11

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments		File #	Analyst	pH
1	VPH092210.m	BLK	5ml	–	–			K29043	JJL	N/A
2		VPH100		200ul	V9035	✓		44		
3		LSV092210K	100ml/5ml	5ul	V9033	✓	2 RPD hits All ranges ok	45		
4		LSV092210K2				✓		46		
5		BLK	5ml	–	–			47		
6		MBV092210K	100ml/5ml	10ul	V9040	✓		48		
7		67833-9			①	✓	10.04	49		
8		-11				✓	7.74	50		
9		-15				✓	9.48	51		
10		67834-7				✓	9.54	52		
11		-18,MS		5ul	V9033	✓	9.53	53		
12		-18,MSD				✓	8.08	54		
13		67833-14,5X	20ml/5ml	10ul	①	✓	9.49	55		
14		67834-5,5X				✓	8.26	56		
15		67807-3,5X				✓	8.37	57		
16		VPH100	5ml	200ul	V9035	✓		58SC		
17		VPH100				✓		59SC		

9/23/10

Response Factor Report HP G1530A

Method Path : C:\msdchem\1\METHODS\
Method File : VPH072210.M
Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
Last Update : Fri Jul 23 15:04:23 2010
Response Via : Initial Calibration

Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

SB 7/26/10

		Compound	2	5	20	50	0.5	100	Avg		%RSD
1)	ZM	Pentane	6.623	6.311	7.147	7.202		7.570	6.997	E3	6.67
2)	ZM	2-Methylpentane	8.536	7.466	8.207	8.247		8.690	8.185	E3	5.68
3)	T	Methyl-t-buty...							0.000		-1.00
4)	ZM	2,2,4-Trimeth...	8.216	7.647	8.896	8.375		7.993	7.717	E3	12.43
5)	T	Benzene							0.000		-1.00
6)	T	Toluene							0.000		-1.00
7)	XH	C5-C8 ALIPHATICS	7.792	7.141	8.083	7.941		8.084	7.325	E3	12.19
8)		n-Nonane							0.000		-1.00
9)	T	Ethylbenzene							0.000		-1.00
10)	T	m,p-Xylene							0.000		-1.00
11)	T	o-Xylene							0.000		-1.00
12)	ZM	n-Decane	6.039	4.950	5.191	5.579		7.997	6.897	E3	23.76
13)	ZM	n-Butylcycloh...	6.357	6.435	6.593	6.777		8.029	7.361	E3	16.80
14)	XH	C9-C12 ALIPHA...	6.198	5.693	5.892	6.178		8.013	7.129	E3	19.33
15)	Z	1,2,4-Trimeth...							0.000		-1.00
16)	XH	C9-C10 AROMATICS							0.000		-1.00
17)	T	Naphthalene							0.000		-1.00
18)	S	2,5-Dibromoto...	3.791	2.742	2.584	2.712		2.859	2.941	E3	13.62

Signal #2 Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

SMT 7/26/10

		Compound	2	5	20	50	0.5	100	Avg		%RSD
1)	Z	Pentane							0.000		-1.00
2)	Z	2-Methylpentane							0.000		-1.00
3)	TM	Methyl-t-buty...	5.373	4.158	4.484	4.526		4.479	4.664	E3	12.22
4)	Z	2,2,4-Trimeth...							0.000		-1.00
5)	TM	Benzene	1.280	1.265	1.309	1.312		1.321	1.301	E4	1.56
6)	TM	Toluene	1.248	1.135	1.190	1.197		1.223	1.193	E4	3.83
7)	XH	C5-C8 ALIPHATICS							0.000		-1.00
8)		n-Nonane							0.000		-1.00
9)	TM	Ethylbenzene	1.177	0.993	1.048	1.061		1.087	1.093	E4	6.11
10)	TM	m,p-Xylene	1.224	1.143	1.234	1.248		1.283	1.255	E4	5.18
11)	TM	o-Xylene	1.143	0.990	1.048	1.062		1.083	1.119	E4	12.52
12)	Z	n-Decane							0.000		-1.00
13)	Z	n-Butylcycloh...							0.000		-1.00
14)	XH	C9-C12 ALIPHA...							0.000		-1.00
15)	ZM	1,2,4-Trimeth...	1.101	0.986	1.065	1.097		1.136	1.180	E4	20.03
16)	XH	C9-C10 AROMATICS	1.101	0.986	1.065	1.097		1.136	1.180	E4	20.03
17)	TM	Naphthalene	1.007	0.881	0.939	0.971		0.997	1.019	E4	14.63
18)	S	2,5-Dibromoto...	8.562	6.808	7.149	7.585		8.153	7.893	E3	9.31

(#) = Out of Range ### Number of calibration levels exceeded format ###

VOLATILE PETROLEUM HYDROCARBONS AQUEOUS
LABORATORY CONTROL SAMPLE

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: LV072210K,ICV
Spike: LV072210K,ICV

SS 7/26/10
VMT 7/26/10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
Pentane	100	70	130	0.0	119	119	
2-Methylpentane	100	70	130	0.0	111	111	
2,2,4-Trimethylpentane	100	70	130	0.0	96	96	
n-Decane	100	70	130	0.0	111	111	
n-Butylcyclohexane	100	70	130	0.0	102	102	
Methyl-t-butylether #2	100	70	130	0.0	95	95	
Benzene #2	100	70	130	0.0	103	103	
Toluene #2	100	70	130	0.0	103	103	
Ethylbenzene #2	100	70	130	0.0	99	99	
m,p-Xylene #2	200	70	130	0.0	204	102	
o-Xylene #2	100	70	130	0.0	97	97	
1,2,4-Trimethylbenzene #2	100	70	130	0.0	97	97	
Naphthalene #2	100	70	130	0.0	100	100	
C5-C8 Aliphatics	300	70	130	0.0	326	109	
C9-C12 Aliphatics	200	70	130	0.0	213	107	
C9-C10 Aromatics #2	100	70	130	0.0	97	97	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VPH FORM 3

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67834
Standard ID: VPH 100 UG/L
Data File ID: K29019SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	9.9	
2-Methylpentane	91	9.1	
2,2,4-Trimethylpentane	106	5.9	
n-Decane	94	5.9	
n-Butylcyclohexane	89	10.6	
2,5-Dibromotoluene	83	16.7	
Methyl-t-butylether #2	90	9.9	
Benzene #2	97	3.2	
Toluene #2	97	2.7	
Ethylbenzene #2	95	5.0	
m,p-Xylene #2	194	2.9	
o-Xylene #2	93	7.3	
1,2,4-Trimethylbenzene #2	92	8.2	
Naphthalene #2	78	21.8	
2,5-Dibromotoluene #2	90	10.1	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67834
Standard ID: VPH 100 UG/L
Data File ID: K29041SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	10.1	
2-Methylpentane	90	9.8	
2,2,4-Trimethylpentane	104	4.1	
n-Decane	86	13.7	
n-Butylcyclohexane	85	15.0	
2,5-Dibromotoluene	86	14.1	
Methyl-t-butylether #2	91	8.7	
Benzene #2	97	3.1	
Toluene #2	97	2.8	
Ethylbenzene #2	95	5.3	
m,p-Xylene #2	194	2.8	
o-Xylene #2	92	7.9	
1,2,4-Trimethylbenzene #2	91	9.2	
Naphthalene #2	84	15.5	
2,5-Dibromotoluene #2	92	8.4	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67834
Standard ID: VPH 100 UG/L
Data File ID: K29042SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	10.4	
2-Methylpentane	90	9.9	
2,2,4-Trimethylpentane	103	2.8	
n-Decane	90	9.9	
n-Butylcyclohexane	88	12.4	
2,5-Dibromotoluene	88	11.7	
Methyl-t-butylether #2	93	7.4	
Benzene #2	97	3.1	
Toluene #2	97	2.5	
Ethylbenzene #2	95	5.0	
m,p-Xylene #2	195	2.4	
o-Xylene #2	93	7.0	
1,2,4-Trimethylbenzene #2	92	8.2	
Naphthalene #2	87	12.9	
2,5-Dibromotoluene #2	94	6.2	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67834
Standard ID: VPH 100 UG/L
Data File ID: K29044SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	93	6.9	
2-Methylpentane	96	4.3	
2,2,4-Trimethylpentane	110	10.3	
n-Decane	106	5.5	
n-Butylcyclohexane	99	1.0	
2,5-Dibromotoluene	80	19.7	
Methyl-t-butylether #2	96	3.9	
Benzene #2	99	0.9	
Toluene #2	100	0.3	
Ethylbenzene #2	97	3.0	
m,p-Xylene #2	199	0.4	
o-Xylene #2	95	4.9	
1,2,4-Trimethylbenzene #2	94	6.0	
Naphthalene #2	88	12.3	
2,5-Dibromotoluene #2	90	10.3	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67834
Standard ID: VPH 100 UG/L
Data File ID: K29058SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	92	8.4	
2-Methylpentane	94	6.0	
2,2,4-Trimethylpentane	95	5.4	
n-Decane	105	4.5	
n-Butylcyclohexane	102	1.8	
2,5-Dibromotoluene	101	1.5	
Methyl-t-butylether #2	93	7.5	
Benzene #2	97	3.1	
Toluene #2	97	2.7	
Ethylbenzene #2	95	4.6	
m,p-Xylene #2	195	2.4	
o-Xylene #2	94	6.4	
1,2,4-Trimethylbenzene #2	93	6.7	
Naphthalene #2	98	2.0	
2,5-Dibromotoluene #2	101	1.5	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67834
Standard ID: VPH 100 UG/L
Data File ID: K29059SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	10.1	
2-Methylpentane	92	7.6	
2,2,4-Trimethylpentane	94	5.5	
n-Decane	105	4.8	
n-Butylcyclohexane	100	0.5	
2,5-Dibromotoluene	93	7.4	
Methyl-t-butylether #2	95	5.5	
Benzene #2	98	2.2	
Toluene #2	98	2.2	
Ethylbenzene #2	96	4.2	
m,p-Xylene #2	197	1.6	
o-Xylene #2	94	6.0	
1,2,4-Trimethylbenzene #2	94	6.3	
Naphthalene #2	97	3.3	
2,5-Dibromotoluene #2	101	1.3	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2 SDG: 67834
Column ID: 0.25 mm

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K29019SC.D	9/21/2010 17:47	11.354		11.353	
Upper Limit			11.384		11.383	
Lower limit			11.324		11.323	
SAMPLE ID						
LSV092110K3	K29020Q.D	9/21/2010 18:36	11.355		11.354	
LSV092110K4	K29021Q.D	9/21/2010 19:00	11.354		11.354	
MBV092110K3	K29023B.D	9/21/2010 19:50	11.354		11.353	
67834-1	K29024.D	9/21/2010 20:15	11.354		11.353	
67834-2	K29025.D	9/21/2010 20:39	11.354		11.353	
67834-3	K29026.D	9/21/2010 21:04	11.354		11.353	
67834-4	K29027.D	9/21/2010 21:29	11.354		11.353	
67834-8	K29030.D	9/21/2010 22:43	11.354		11.353	
67834-11	K29031.D	9/21/2010 23:08	11.354		11.354	
67834-12	K29032.D	9/21/2010 23:32	11.354		11.354	
67834-14	K29033.D	9/21/2010 23:57	11.354		11.354	
67834-15	K29034.D	9/22/2010 0:22	11.354		11.353	
67834-16	K29035.D	9/22/2010 0:46	11.354		11.353	
67834-17	K29036.D	9/22/2010 1:11	11.353		11.352	
67834-18	K29037.D	9/22/2010 1:36	11.354		11.353	
67834-19	K29038.D	9/22/2010 2:00	11.354		11.353	
VPH 100 UG/L	K29041SC.D	9/22/2010 3:14	11.354		11.354	
VPH 100 UG/L	K29042SC.D	9/22/2010 3:39	11.354		11.354	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2 SDG: 67834
Column ID: 0.25 mm

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K29044SC.D	9/22/2010 9:07	11.354		11.353	
Upper Limit			11.384		11.383	
Lower limit			11.324		11.323	
SAMPLE ID						
LSV092210K	K29045Q.D	9/22/2010 10:09	11.353		11.352	
LSV092210K2	K29046Q.D	9/22/2010 10:34	11.353		11.352	
MBV092210K	K29048B.D	9/22/2010 11:32	11.352		11.352	
67834-7	K29052.D	9/22/2010 13:28	11.353		11.352	
67834-18,MS	K29053SP.D	9/22/2010 13:54	11.353		11.353	
67834-18,MSD	K29054SP.D	9/22/2010 14:20	11.354		11.354	
67834-5,5X	K29056.D	9/22/2010 15:11	11.353		11.353	
VPH 100 UG/L	K29058SC.D	9/22/2010 16:08	11.355		11.355	
VPH 100 UG/L	K29059SC.D	9/22/2010 16:33	11.354		11.354	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B092010EASE2
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				63
Aromatic Surrogate % Recovery (O-Terphenyl)				76
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				83
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				74
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mulcull

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B092010EASE2 RR2
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	RL	Units	Result
Unadjusted C11-C22 Aromatics[1]	26700	µg/kg	NR
C9-C18 Aliphatic Hydrocarbons[1]	26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]	26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]	26700	µg/kg	NR
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)			63
Aromatic Surrogate % Recovery (O-Terphenyl)			NR
Sample Surrogate Acceptance Range	--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)			NR
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)			NR
Fractionation Surrogate Acceptance Range	--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank NA=Not analyzed

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mulhall

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-01

SAMPLE DATA

Lab Sample ID: 67834-1
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26400	µg/kg	U
Diesel PAH Analytes	Naphthalene	264	µg/kg	U
	2-Methylnaphthalene	264	µg/kg	U
	Phenanthrene	264	µg/kg	U
	Acenaphthene	264	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	264	µg/kg	U
	Fluorene	264	µg/kg	U
	Anthracene	264	µg/kg	U
	Fluoranthene	264	µg/kg	U
	Pyrene	264	µg/kg	U
	Benzo[a]anthracene	264	µg/kg	U
	Chrysene	264	µg/kg	U
	Benzo[b]fluoranthene	264	µg/kg	U
	Benzo[k]fluoranthene	264	µg/kg	U
	Benzo[a]pyrene	264	µg/kg	U
	Indeno[1,2,3-cd]pyrene	264	µg/kg	U
	Dibenzo[a,h]anthracene	264	µg/kg	U
	Benzo[g,h,i]perylene	264	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				63
Aromatic Surrogate % Recovery (O-Terphenyl)				80
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				88
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				74
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mahlall

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-02

SAMPLE DATA

Lab Sample ID: 67834-2
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29500	µg/kg	U
Diesel PAH Analytes	Naphthalene	295	µg/kg	U
	2-Methylnaphthalene	295	µg/kg	U
	Phenanthrene	295	µg/kg	U
	Acenaphthene	295	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	295	µg/kg	U
	Fluorene	295	µg/kg	U
	Anthracene	295	µg/kg	U
	Fluoranthene	295	µg/kg	U
	Pyrene	295	µg/kg	U
	Benzo[a]anthracene	295	µg/kg	U
	Chrysene	295	µg/kg	U
	Benzo[b]fluoranthene	295	µg/kg	U
	Benzo[k]fluoranthene	295	µg/kg	U
	Benzo[a]pyrene	295	µg/kg	U
	Indeno[1,2,3-cd]pyrene	295	µg/kg	U
	Dibenzo[a,h]anthracene	295	µg/kg	U
	Benzo[g,h,i]perylene	295	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		29500	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29500	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29500	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				80
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				90
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				83
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-03

SAMPLE DATA

Lab Sample ID: 67834-3
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27400	µg/kg	U
Diesel PAH Analytes	Naphthalene	274	µg/kg	U
	2-Methylnaphthalene	274	µg/kg	U
	Phenanthrene	274	µg/kg	U
	Acenaphthene	274	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	274	µg/kg	U
	Fluorene	274	µg/kg	U
	Anthracene	274	µg/kg	U
	Fluoranthene	274	µg/kg	U
	Pyrene	274	µg/kg	U
	Benzo[a]anthracene	274	µg/kg	U
	Chrysene	274	µg/kg	U
	Benzo[b]fluoranthene	274	µg/kg	U
	Benzo[k]fluoranthene	274	µg/kg	U
	Benzo[a]pyrene	274	µg/kg	U
	Indeno[1,2,3-cd]pyrene	274	µg/kg	U
	Dibenzo[a,h]anthracene	274	µg/kg	U
	Benzo[g,h,i]perylene	274	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				65
Aromatic Surrogate % Recovery (O-Terphenyl)				80
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				86
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				79
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-04

SAMPLE DATA

Lab Sample ID: 67834-4
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27200	µg/kg	U
Diesel PAH Analytes	Naphthalene	272	µg/kg	U
	2-Methylnaphthalene	272	µg/kg	U
	Phenanthrene	272	µg/kg	U
	Acenaphthene	272	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	272	µg/kg	U
	Fluorene	272	µg/kg	U
	Anthracene	272	µg/kg	U
	Fluoranthene	272	µg/kg	U
	Pyrene	272	µg/kg	U
	Benzo[a]anthracene	272	µg/kg	U
	Chrysene	272	µg/kg	U
	Benzo[b]fluoranthene	272	µg/kg	U
	Benzo[k]fluoranthene	272	µg/kg	U
	Benzo[a]pyrene	272	µg/kg	U
	Indeno[1,2,3-cd]pyrene	272	µg/kg	U
	Dibenzo[a,h]anthracene	272	µg/kg	U
	Benzo[g,h,i]perylene	272	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27200	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27200	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27200	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				81
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				91
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				87
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-B-5

SAMPLE DATA

Lab Sample ID: 67834-5
Matrix: Solid
Percent Solid: 87
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		30000	µg/kg	**115000**
Diesel PAH Analytes	Naphthalene	300	µg/kg	U
	2-Methylnaphthalene	300	µg/kg	U
	Phenanthrene	300	µg/kg	U
	Acenaphthene	300	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	300	µg/kg	U
	Fluorene	300	µg/kg	U
	Anthracene	300	µg/kg	U
	Fluoranthene	300	µg/kg	**330**
	Pyrene	300	µg/kg	**316**
	Benzo[a]anthracene	300	µg/kg	**256 J**
	Chrysene	300	µg/kg	**396**
	Benzo[b]fluoranthene	300	µg/kg	**441**
	Benzo[k]fluoranthene	300	µg/kg	**168 J**
	Benzo[a]pyrene	300	µg/kg	U
	Indeno[1,2,3-cd]pyrene	300	µg/kg	**172 J**
	Dibenzo[a,h]anthracene	300	µg/kg	U
	Benzo[g,h,i]perylene	300	µg/kg	**199 J**
C9-C18 Aliphatic Hydrocarbons[1]		30000	µg/kg	**526000 E**
C19-C36 Aliphatic Hydrocarbons[1]		30000	µg/kg	**111000**
C11-C22 Aromatic Hydrocarbons[1,2]		30000	µg/kg	**113000**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				49
Aromatic Surrogate % Recovery (O-Terphenyl)				84
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				97
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				87
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-B-5

SAMPLE DATA

Lab Sample ID: 67834-5 DL
Matrix: Solid
Percent Solid: 87
Dilution Factor: 11
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	RL	Units	Result
Unadjusted C11-C22 Aromatics[1]	300000	µg/kg	NR
C9-C18 Aliphatic Hydrocarbons[1]	300000	µg/kg	**656000**
C19-C36 Aliphatic Hydrocarbons[1]	300000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]	300000	µg/kg	NR
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)			55
Aromatic Surrogate % Recovery (O-Terphenyl)			NR
Sample Surrogate Acceptance Range	--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)			NA
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)			NA
Fractionation Surrogate Acceptance Range	--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank NA=Not analyzed

METHODOLOGY:MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis. NR= Not reported see undiluted analysis

SIGNATURE:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-B5D

SAMPLE DATA

Lab Sample ID: 67834-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28200	µg/kg	**83600**
Diesel PAH Analytes	Naphthalene	282	µg/kg	U
	2-Methylnaphthalene	282	µg/kg	U
	Phenanthrene	282	µg/kg	U
	Acenaphthene	282	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	282	µg/kg	U
	Fluorene	282	µg/kg	U
	Anthracene	282	µg/kg	U
	Fluoranthene	282	µg/kg	**198 J**
	Pyrene	282	µg/kg	**189 J**
	Benzo[a]anthracene	282	µg/kg	**199 J**
	Chrysene	282	µg/kg	**322**
	Benzo[b]fluoranthene	282	µg/kg	**354**
	Benzo[k]fluoranthene	282	µg/kg	**145 J**
	Benzo[a]pyrene	282	µg/kg	U
	Indeno[1,2,3-cd]pyrene	282	µg/kg	**145 J**
	Dibenzo[a,h]anthracene	282	µg/kg	U
	Benzo[g,h,i]perylene	282	µg/kg	**161 J**
C9-C18 Aliphatic Hydrocarbons[1]		28200	µg/kg	**491000 E**
C19-C36 Aliphatic Hydrocarbons[1]		28200	µg/kg	**105000**
C11-C22 Aromatic Hydrocarbons[1,2]		28200	µg/kg	**82800**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				60
Aromatic Surrogate % Recovery (O-Terphenyl)				77
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				80
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				67
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-B5D

SAMPLE DATA

Lab Sample ID: 67834-6 DL
Matrix: Solid
Percent Solid: 92
Dilution Factor: 10
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	RL	Units	Result
Unadjusted C11-C22 Aromatics[1]	280000	µg/kg	NR
C9-C18 Aliphatic Hydrocarbons[1]	280000	µg/kg	**598000**
C19-C36 Aliphatic Hydrocarbons[1]	280000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]	280000	µg/kg	NR
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)			75
Aromatic Surrogate % Recovery (O-Terphenyl)			NR
Sample Surrogate Acceptance Range	--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)			NR
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)			NR
Fractionation Surrogate Acceptance Range	--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank NA=Not analyzed

METHODOLOGY:MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis. NR= Not reported see undiluted analysis

SIGNATURE:

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-SW-01

SAMPLE DATA

Lab Sample ID: 67834-15
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29200	µg/kg	U
Diesel PAH Analytes	Naphthalene	292	µg/kg	U
	2-Methylnaphthalene	292	µg/kg	U
	Phenanthrene	292	µg/kg	U
	Acenaphthene	292	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	292	µg/kg	U
	Fluorene	292	µg/kg	U
	Anthracene	292	µg/kg	U
	Fluoranthene	292	µg/kg	U
	Pyrene	292	µg/kg	U
	Benzo[a]anthracene	292	µg/kg	U
	Chrysene	292	µg/kg	U
	Benzo[b]fluoranthene	292	µg/kg	U
	Benzo[k]fluoranthene	292	µg/kg	U
	Benzo[a]pyrene	292	µg/kg	U
	Indeno[1,2,3-cd]pyrene	292	µg/kg	U
	Dibenzo[a,h]anthracene	292	µg/kg	U
	Benzo[g,h,i]perylene	292	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		29200	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29200	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29200	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				53
Aromatic Surrogate % Recovery (O-Terphenyl)				73
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				88
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				75
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-SW-03

SAMPLE DATA

Lab Sample ID: 67834-16
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28000	µg/kg	U
Diesel PAH Analytes	Naphthalene	280	µg/kg	U
	2-Methylnaphthalene	280	µg/kg	U
	Phenanthrene	280	µg/kg	U
	Acenaphthene	280	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	280	µg/kg	U
	Fluorene	280	µg/kg	U
	Anthracene	280	µg/kg	U
	Fluoranthene	280	µg/kg	U
	Pyrene	280	µg/kg	U
	Benzo[a]anthracene	280	µg/kg	U
	Chrysene	280	µg/kg	U
	Benzo[b]fluoranthene	280	µg/kg	U
	Benzo[k]fluoranthene	280	µg/kg	U
	Benzo[a]pyrene	280	µg/kg	U
	Indeno[1,2,3-cd]pyrene	280	µg/kg	U
	Dibenzo[a,h]anthracene	280	µg/kg	U
	Benzo[g,h,i]perylene	280	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		28000	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		28000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		28000	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				60
Aromatic Surrogate % Recovery (O-Terphenyl)				74
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				83
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				82
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mahbull

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-B-5

SAMPLE DATA

Lab Sample ID: 67834-17
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27600	µg/kg	U
Diesel PAH Analytes	Naphthalene	276	µg/kg	U
	2-Methylnaphthalene	276	µg/kg	U
	Phenanthrene	276	µg/kg	U
	Acenaphthene	276	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	276	µg/kg	U
	Fluorene	276	µg/kg	U
	Anthracene	276	µg/kg	U
	Fluoranthene	276	µg/kg	U
	Pyrene	276	µg/kg	U
	Benzo[a]anthracene	276	µg/kg	U
	Chrysene	276	µg/kg	U
	Benzo[b]fluoranthene	276	µg/kg	U
	Benzo[k]fluoranthene	276	µg/kg	U
	Benzo[a]pyrene	276	µg/kg	U
	Indeno[1,2,3-cd]pyrene	276	µg/kg	U
	Dibenzo[a,h]anthracene	276	µg/kg	U
	Benzo[g,h,i]perylene	276	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27600	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				69
Aromatic Surrogate % Recovery (O-Terphenyl)				79
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				87
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				84
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-SW-04

SAMPLE DATA

Lab Sample ID: 67834-18
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27600	µg/kg	U
Diesel PAH Analytes	Naphthalene	276	µg/kg	U
	2-Methylnaphthalene	276	µg/kg	U
	Phenanthrene	276	µg/kg	U
	Acenaphthene	276	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	276	µg/kg	U
	Fluorene	276	µg/kg	U
	Anthracene	276	µg/kg	U
	Fluoranthene	276	µg/kg	U
	Pyrene	276	µg/kg	U
	Benzo[a]anthracene	276	µg/kg	U
	Chrysene	276	µg/kg	U
	Benzo[b]fluoranthene	276	µg/kg	U
	Benzo[k]fluoranthene	276	µg/kg	U
	Benzo[a]pyrene	276	µg/kg	U
	Indeno[1,2,3-cd]pyrene	276	µg/kg	U
	Dibenzo[a,h]anthracene	276	µg/kg	U
	Benzo[g,h,i]perylene	276	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27600	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				74
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				84
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				79
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mitchell

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834

SAMPLE ID	SMC 1 (%)	#
B092010EASE2	63	
L092010EASE2	64	
LD092010EASE2	66	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834

SAMPLE ID	SMC 1 (%)	#
B092010EASE2,RR	65	
67834-1	63	
67834-2	64	
67834-3	65	
67834-4	64	
67834-5	49	
67834-6	60	
67834-15	53	
67834-15,MS	55	
67834-15,MSD	60	
67834-16	60	
67834-17	69	
67834-18	64	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835

SAMPLE ID	SMC 1 (%)	#
B092010EASE2,RR2	63	
67834-5,DL	55	
67834-6,DL	75	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67834

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B092010EASE2	83		74		76	
L092010EASE2	81		73		79	
LD092010EASE2	84		83		81	
67834-1	88		74		80	
67834-2	90		83		80	
67834-3	86		79		80	
67834-4	91		87		81	
67834-5	97		87		84	
67834-6	80		67		77	
67834-15	88		75		73	
67834-15,MS	83		79		68	
67834-15,MSD	81		79		69	
67834-16	83		82		74	
67834-17	87		84		79	
67834-18	84		79		74	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834
Non-spiked sample: B092010EASE2
Spike: L092010EASE2
Spike duplicate: LD092010EASE2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3333	3333	30	140	25	0	1882	56		1877	56		0	
C-10	3333	3333	40	140	25	0	2268	68		2223	67		2	
C-12	3333	3333	40	140	25	0	2447	73		2300	69		6	
C-14	3333	3333	40	140	25	0	2453	74		2459	74		0	
C-16	3333	3333	40	140	25	0	2518	76		2552	77		1	
C-18	3333	3333	40	140	25	0	2599	78		2571	77		1	
C-19	3333	3333	40	140	25	0	2620	79		2669	80		2	
C-20	3333	3333	40	140	25	0	2706	81		2625	79		3	
C-22	3333	3333	40	140	25	0	2606	78		2544	76		2	
C-24	3333	3333	40	140	25	0	2523	76		2441	73		3	
C-26	3333	3333	40	140	25	0	2289	69		2336	70		2	
C-28	3333	3333	40	140	25	0	2158	65		2163	65		0	
C-30	3333	3333	40	140	25	0	2171	65		2093	63		4	
C-36	3333	3333	40	140	25	0	2154	65		2029	61		6	

C9-C18 Aliphatics	20000	20000	40	140	25	0	14167	71		13982	70		1	
C19-C36 Aliphatics	26667	26667	40	140	25	0	19227	72		18899	71		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH ALI FORM 3

EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67834
Non-spiked sample: B092010EASE2
Spike: L092010EASE2
Spike duplicate: LD092010EASE2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3333	3333	40	140	30	0	2382	71		2451	74		3	
2-Methylnaphthalene	3333	3333	40	140	30	0	2561	77		2668	80		4	
Acenaphthylene	3333	3333	40	140	30	0	2672	80		2769	83		4	
Acenaphthene	3333	3333	40	140	30	0	2711	81		2756	83		2	
Fluorene	3333	3333	40	140	30	0	2900	87		2950	89		2	
Phenanthrene	3333	3333	40	140	30	0	2974	89		3042	91		2	
Anthracene	3333	3333	40	140	30	0	3109	93		3129	94		1	
Fluoranthene	3333	3333	40	140	30	0	3165	95		3251	98		3	
Pyrene	3333	3333	40	140	30	0	3073	92		3159	95		3	
Benzo[a]anthracene	3333	3333	40	140	30	0	2945	88		3002	90		2	
Chrysene	3333	3333	40	140	30	0	2982	89		3024	91		1	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	2912	87		2962	89		2	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	3033	91		3111	93		3	
Benzo[a] pyrene	3333	3333	40	140	30	0	3002	90		3045	91		1	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	2794	84		2927	88		5	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	2878	86		2956	89		3	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	2884	87		2966	89		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67834
Aliphatic LCS: L092010EASE2
Aromatic LCS: L092010EASE2

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	17.9	0.0	
2-Methylnaphthalene	0	5	0.00	19.2	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67834
Aliphatic LCS: LD092010EASE2
Aromatic LCS: LD092010EASE2

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	18.4	0.0	
2-Methylnaphthalene	0	5	0.00	20.0	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834
Non-spiked sample: 67834-15
Spike: 67834-15,MS
Spike duplicate: 67834-15,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3661	3616	30	140	50	0	1872	51		1874	52		0	
C-10	3661	3616	40	140	50	0	2259	62		2230	62		1	
C-12	3661	3616	40	140	50	0	2394	65		2395	66		0	
C-14	3661	3616	40	140	50	0	2610	71		2552	71		2	
C-16	3661	3616	40	140	50	0	2769	76		2694	75		3	
C-18	3661	3616	40	140	50	0	2830	77		2842	79		0	
C-19	3661	3616	40	140	50	0	2793	76		2924	81		5	
C-20	3661	3616	40	140	50	0	2807	77		2813	78		0	
C-22	3661	3616	40	140	50	0	2868	78		2909	80		1	
C-24	3661	3616	40	140	50	0	2814	77		2688	74		5	
C-26	3661	3616	40	140	50	0	2841	78		2732	76		4	
C-28	3661	3616	40	140	50	0	2691	74		2555	71		5	
C-30	3661	3616	40	140	50	0	2709	74		2466	68		9	
C-36	3661	3616	40	140	50	0	2878	79		2632	73		9	
C9-C18 Aliphatics	21968	21695	40	140	50	0	14734	67		14586	67		1	
C19-C36 Aliphatics	29290	28927	40	140	50	0	22401	76		21719	75		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH ALI FORM 3

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67834
Non-spiked sample: 67834-15
Spike: 67834-15,MS
Spike duplicate: 67834-15,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3661	3616	40	140	50	0	2382	65		2338	65		2	
2-Methylnaphthalene	3661	3616	40	140	50	0	2572	70		2514	70		2	
Acenaphthylene	3661	3616	40	140	50	0	2683	73		2622	73		2	
Acenaphthene	3661	3616	40	140	50	0	2695	74		2588	72		4	
Fluorene	3661	3616	40	140	50	0	2871	78		2781	77		3	
Phenanthrene	3661	3616	40	140	50	0	2983	81		2863	79		4	
Anthracene	3661	3616	40	140	50	0	3071	84		2947	82		4	
Fluoranthene	3661	3616	40	140	50	0	3159	86		2993	83		5	
Pyrene	3661	3616	40	140	50	0	3083	84		2948	82		4	
Benzo[a]anthracene	3661	3616	40	140	50	0	2930	80		2861	79		2	
Chrysene	3661	3616	40	140	50	0	2945	80		2830	78		4	
Benzo[b] fluoranthene	3661	3616	40	140	50	0	2889	79		2781	77		4	
Benzo[k] fluoranthene	3661	3616	40	140	50	0	2942	80		2789	77		5	
Benzo[a] pyrene	3661	3616	40	140	50	0	2888	79		2781	77		4	
Indeno [1,2,3-cd] pyrene	3661	3616	40	140	50	0	2712	74		2623	73		3	
Dibenz [a,h] anthracene	3661	3616	40	140	50	0	2771	76		2668	74		4	
Benzo(g,h,i) perylene	3661	3616	40	140	50	0	2773	76		2698	75		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

Instrument D

analytics environmental laboratory LLC

Seq. ID: 080410-D

IS only#: EPH S9970 ~~S9970~~ AW 8/4/10

EXP: 1/30/11

Tune File: ABN.u

Date: 8/4/10

Loading Check: AW

Voltage: 1965

Analyst: AW/NP

Unloading Check: NP

filament 2

Vial	Meth File	Sample	DF	Data File #	Comments
1	tunemix	S9836 tunemix	50ng	D71435T-45T	adjust mtune
1	tunemix	S9836 tunemix	50ng	46T	✓
2	ALG80410	S9700 Ali 5		47 SI	✓
3		S9701 Ali 10		48	✓
4		S9702 Ali 20		49	✓
5		S9936 Ali 40		50	✓
6		S9704 Ali 50		51	✓
7		S9705 Ali 100		52	✓
8		S9715 Ali 20 ICV		53	✓
9	ARM80410	S9706 ARO 2		54 SI	✓
10		S9707 ARO 5		55	✓
11		S9708 ARO 10		56	✓
12		S9937 ARO 20		57	✓
13		S9710 ARO 50		58	✓
14		S9711 ARO 100		59	✓
15		S9716 ARO 20 ICV		60	✓ ARO80510 ~~Shl not used~~ OK
~~15~~		~~S9716 ARO 20 ICV~~		~~66~~	AW 8/6/10
1	tunemix	S9836 tunemix			Not Needed
5	ALG80410	S9936 Ali 40			
12	ARM80410	S9937 ARO 20			
16		Hexane w/IS			
15		S9716 ARO 20 ICV			
15		S9716 ARO 20 ICV			

AW 8/6/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

Instrument D

analytics environmental laboratory LLC

EPH S10081 x 3/13/11

Seq. ID: 092110-D

IS only#:

EXP:

Tune File: ABN.u

Date: 9/21/10

Loading Check: ALR

Voltage: 1965

Analyst: ALR

Unloading Check:

W-D-092110-1-AWR

Vial	Meth File	Sample	DF	Data File #	Comments
100		MeCl2		D71764	
1	tunemix	S9836 tunemix 50rg		65T	✓ 2:09
2	AL680410	S10042 AL 40		66SC	✓
4		Hexane w IS		67	✓
15		~~B0902~~ B092010EASE, RR		68B	✓
30		B092010EASE2		69B	✓
31		L092010EASE 2		70Q	✓
32		LD092010EASE2		71Q	✓
33		67833-11		72	✓
34		-12		73	✓
35		-13		74	✓
36		-14		75	✓
37		-15		76	✓
38		-16		77	✓
39		67807 -1		78	✓
40		-2		79	RR 5X
41 ~~42~~		~~67807 -3~~	5X	~~80~~ ✓	↓ss ~~RR 5X~~
2		S10042 AL 40		81SC	✓
2		S10042 AL 40		82SC	✓
		S9836 tunemix 50rg		83T	✓
2		S10042 AL 40		84SC	✓
4		Hexane w IS		85	✓
31		B092010EASE2, RR		86B	✓
41		67807-3 RR		86C	confirms ↓ss
42		67834-1		87	✓
43		-2		88	✓
44		-3		89	✓
45		-4		90	✓
~~47~~ 46		-5		91	RR10X C9-C18
~~48~~ 47		-6		92	RR10X C4-C8
~~49~~ 48		-15		93	✓
~~50~~ 49		-15 ms		94	✓
~~51~~ 50		-15 msd		95	✓
~~52~~ 51		-16		96	✓
~~53~~ 52		-17		97	✓
~~54~~ 53		-18		98	✓

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uL sample +990 uL solvent

Hexane Lot: 1005313

Methylene Chloride Lot:

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 2 03/19/10

— see above RR2X recalculated

Instrument D

analytics environmental laboratory LLC

Cont.

Seq. ID 092110-D

EPH

IS only#: S10081 EXP: 3/13/11

Tune File: ABU.u

Date: 9/21/10 Loading Check: AUL

Voltage: 1965

Analyst: AUL/MG Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
39	AUG80410	67807-1, RR		D71798	Confirms
2		S10042 MLI40		107179SC	✓
2		↓		D71800SC	✓
1	tunemix	S9836tunemix50ng		01T	✓
2	AUG80410	S10042 AL 40		02SC	✓
4		Hexane w/IS		03	✓
30		B092010EA5E2, RR2		04B	✓
54		67835-1		05	✓
55		-2		06	✓
56		-3		07	✓
57		-4		08	✓
58		-5		09	✓
59		-6		10	✓
60		-6, MS		11SP	✓
61		-6, MSD		12SP	✓
62		67834-5	10	13	✓
63		-6	10	14	✓
2		S10042 AL 40		*15SC	✓
2		S10042 AL 40		16SC	✓
64		67807-2	2	Rerun before 15 15*	✓ 2.5ml+2.5ml Hexane

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: 1005313

Methylene Chloride Lot:

Instrument J

analytics environmental laboratory LLC

092110-J EPH IS

IS only#: S10122 EXP: 3·21·2011

Tune File: ABN.U Date: 9·21·10 Loading Check: AhR

Voltage: 1953 Analyst: AR/MJ Unloading Check: MJ

Vial	Meth File	Sample	DF	Data File #	Comments
100		MeCl2		J35914	
1	TUNEMIXEPH	S9836TUNE50ng		915T	✓
2		S10041 ARO 20		916 SC	Relel
3		↓		917SC	↓
100	ARMSIM92110.M	MeCl2		918	
2	ARM092110.M	S9714 ARO 0.1		919SI	✓
3	ARG092110.M	S9713 0.2		920SI	✓
4		S9712 1.0		921SI	✓
5		S9706 2		922SI	✓
6		S9707 5		923SI	✓
7		S9708 10		924SI	✓
8		S10041 20		925SI	✓
9		S9710 50		926SI	✓
10		S9711 100		927SI	✓
11		S9716 ARO 20 ICV		928	✓
12		S9717 ARO 2 ICV		929	✓
1	TUNEMIXEPH	S9836 TUNE 50		930T	✓
8	ARM092110.M	S10041 ARO 20		931SC	✓
13	ARG092110.M	Hexane W IS		932	✓
14		B092010EBSE	ARO	33B	✓
15		L092010EBSE		34Q	✓
16		LD092010EBSE		35Q	✓
17		L092010EBSE	ARI	36Q	✓
18		LD092010EBSE	ARI	37Q	✓
19		67833-1 ARO		38	✓
20		-2		39	✓
21		-3		40	✓
22		-4		41	✓
23		-5		42	✓
24		-6		43	✓
25		-6MS		44SP	✓
26		-6MSD		45SP	✓
27		67833-7		46	✓
28		-8		47	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 3 11/25/09

Instrument J

Analytics environmental laboratory LLC

092110-J Cont. EPA FS

IS only#: S10122 EXP: 3-21-2011

Tune File: ABN.U Date: 92110 cont Loading Check:

Voltage: 1953 Analyst: ALR/mg Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
29	ARM092110.M	67833-9	ARO	J35948	✓
30	ARG092110.M	-10		49	✓
31		-11		50	✓
32		-12		51	✓
33		-13		52	✓
34		-14		53	✓
35		-15		54	✓
36		-16		55	✓
37		67807-1		56	↓SUR RR Rex?
38		-2		57	RR2X
39		-3		58	✓
8		S10041 ARO 20		59SC	✓
8				60SC	✓
1	tunemix	59836 TUNESD		61T	✓
8	ARM092110	S10041 ARO 20		62SC	✓
13	ARG092110	Hexane WIS		63	✓
40		B092010BASE2	ARO	64B	✓
41		L092010BASE2		65Q	✓
42		LD092010BASE2		66Q	✓
43		L092010BASE2	ALI	67Q	✓
44		LD092010BASE2		68Q	✓
45		67834-1	ARO	69	✓
46		-2		70	✓
47		-3		71	✓
48		-4		72	✓
49		-5		73	✓
50		-6		74	✓
51		-15		75	✓
52		-15MS		76SP	✓
53		-15MSD		77SP	✓
54		-16		78	✓
55		-17		79	✓
56		-18		80	✓
57		67835-1		81	✓

1621

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Cont. Pg - 58

Instrument J

Analytics environmental laboratory LLC

Cont. 092110-J

EPH

IS only#: 510122 EXP: 3/21/11

Tune File: ARN.u Date: 9/21/10 Loading Check: AWR/MG

Voltage: 1953 Analyst: AWR/MG Unloading Check: [illegible]

Vial	Meth File	Sample	DF	Data File #	Comments
56	ARM092110	67835-2 ARO		J35982	✓
59	ARG092110	-3		83	✓
60		-4		84	✓
61		-5		85	✓
62		-6		86	✓
63		-6, ms		87	✓
64		-6, msD		88 *	✓
8		510041 ARO	20	89 SC	✓
8		510041 ARO	20	90 SC	✓
65		67807-2	2	Rerun after 86 89 *	✓
37		-1 RR		91	out of window 8310 RC confirm only

[illegible] 9/23/10

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uL sample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: J20501

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

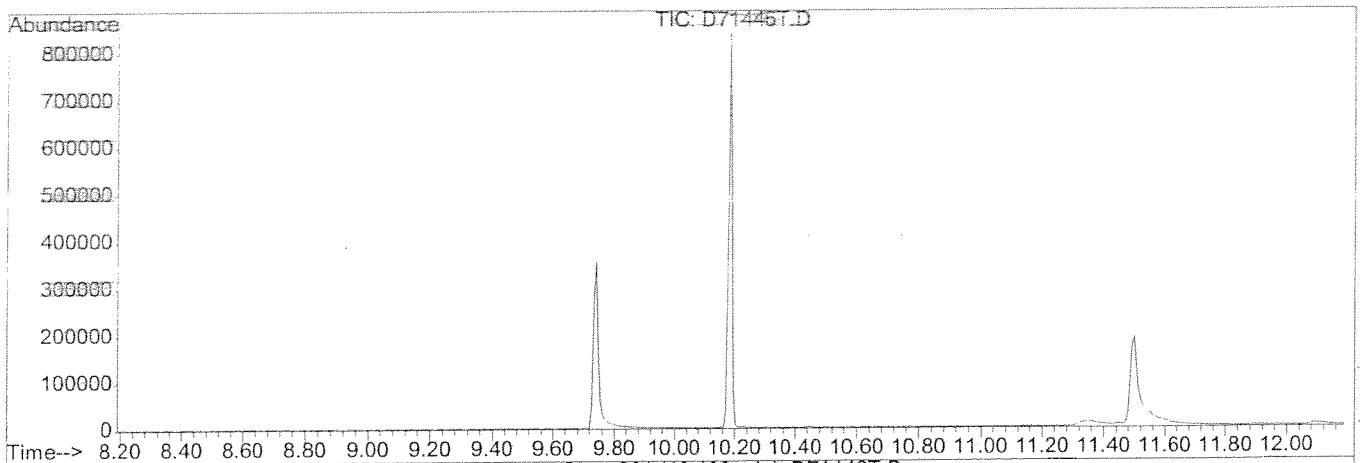
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9700 ALI 5	D71447SI.D	8/5/10 2:18
S9701 ALI 10	D71448SI.D	8/5/10 2:48
S9702 ALI 20	D71449SI.D	8/5/10 3:19
S9936 ALI 40	D71450SI.D	8/5/10 3:49
S9704 ALI 50	D71451SI.D	8/5/10 4:20
S9705 ALI 100	D71452SI.D	8/5/10 4:50
S9715 ALI 20 ICV	D71453.D	8/5/10 5:21

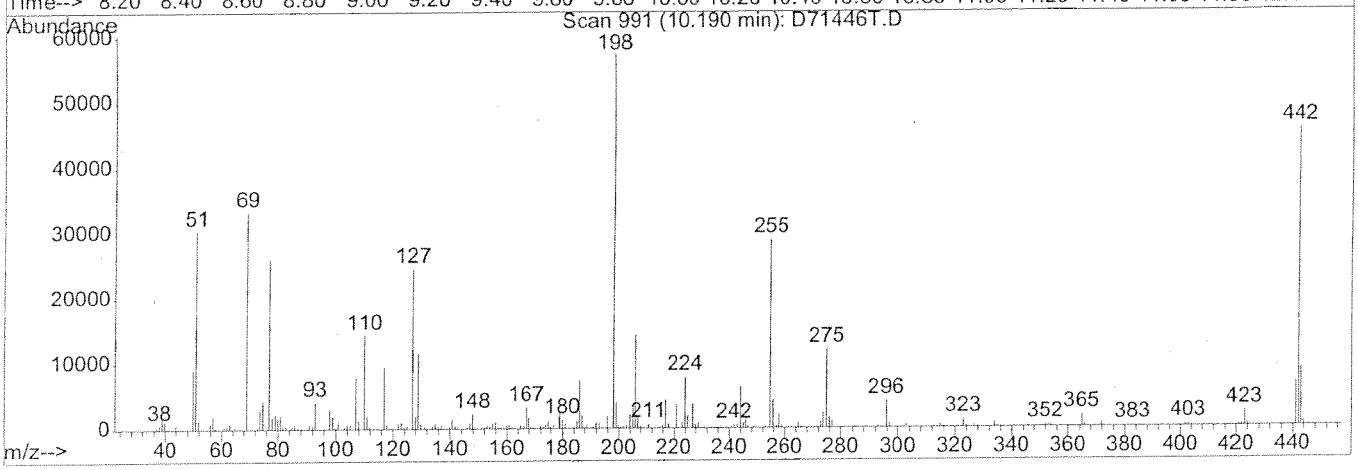
Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00





Spectrum Information: Scan 991

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.9	30392	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.0	33320	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.7	24560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	57496	PASS
199	198	5	9	6.9	3944	PASS
275	198	10	30	20.9	12023	PASS
365	198	1	100	3.2	1842	PASS
441	443	0.01	100	76.4	6759	PASS
442	198	40	100	79.4	45640	PASS
443	442	17	23	19.4	8852	PASS

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:04 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name S9836 TUNEMIX 50NG
Data File Name D71446T.D
Date Acquired 8/5/2010 1:47

NJ080510

Name	Target Response
PENTACHLOROPHENOL	39778.00
BENZIDINE	151505.00
DDE	53.00
DDD	1884
DDT	149663

(0% - 20%)

%DDT BREAKDOWN = 1.28% OK ✓

8/5/10

8/5/10 2:16 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
3 Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010 AP080510
Response via : Initial Calibration
DataAcq Meth : EPHJ

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

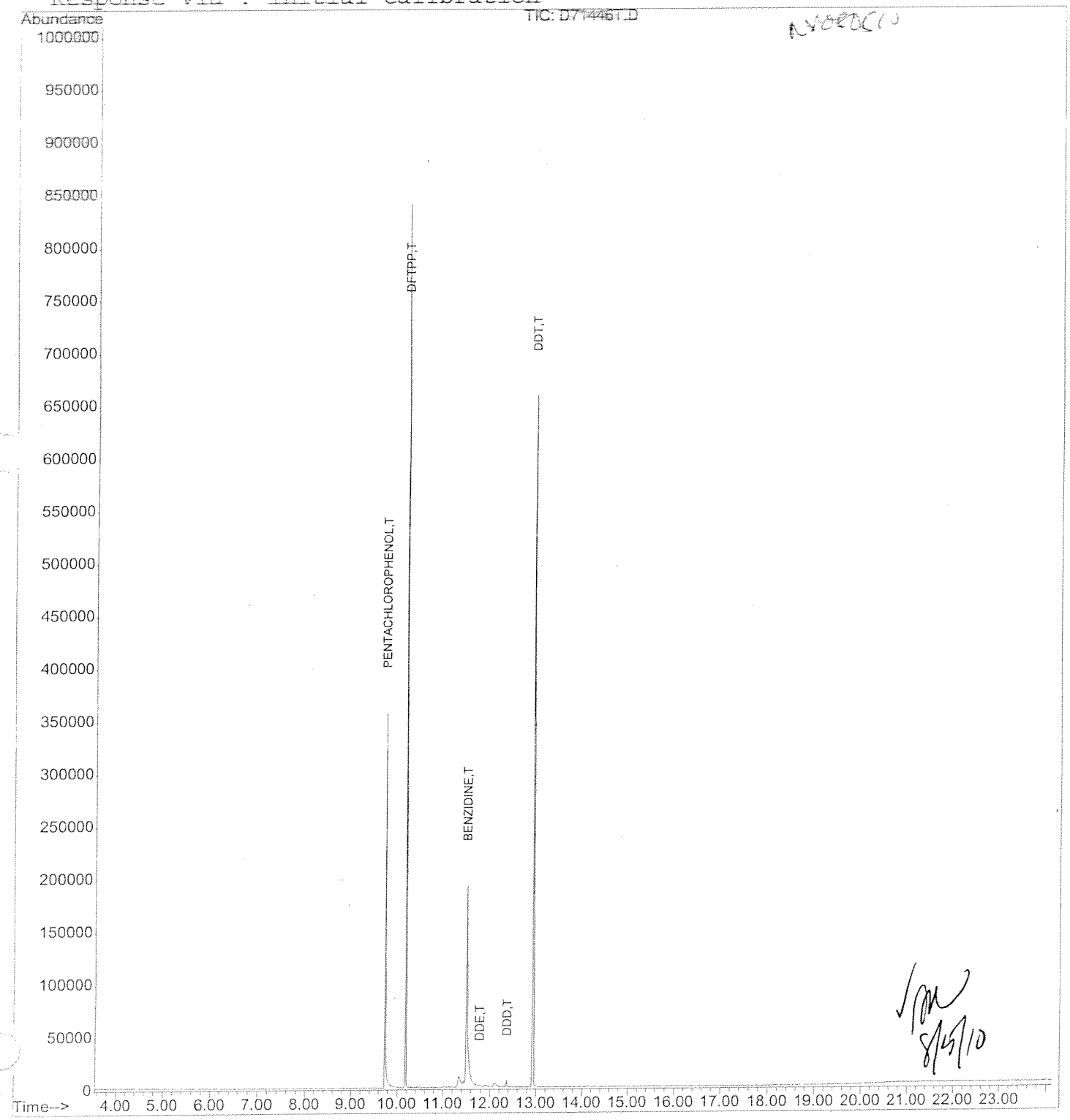
Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.74	266	39778	15.78 UG/L	95
2) DFTPP	10.18	198	75090	24.58 ug/ml#	60
3) BENZIDINE	11.50	184	151505	18.88 UG/L #	100
4) DDE	11.79	246	53	0.53 UG/L #	24
5) DDD	12.36	235	1884	18.84 UG/L #	19
6) DDT	12.93	235	149663	33.12 UG/L #	86

✓ 8/5/10

(#) = qualifier out of range (m) = manual integration
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010 Page 1

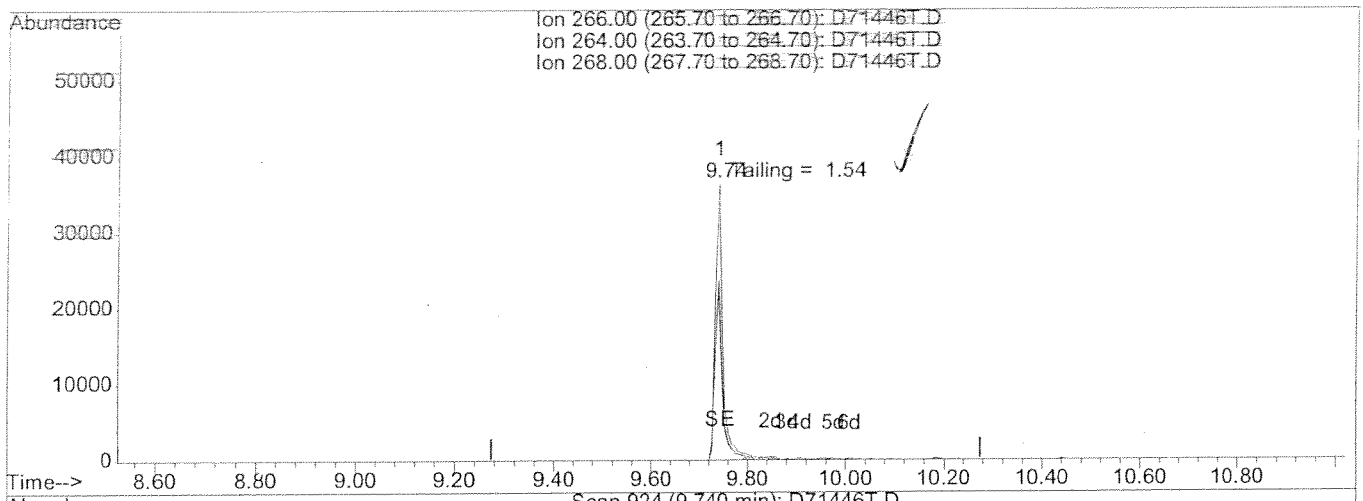
Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: TUNMXEPH.RE

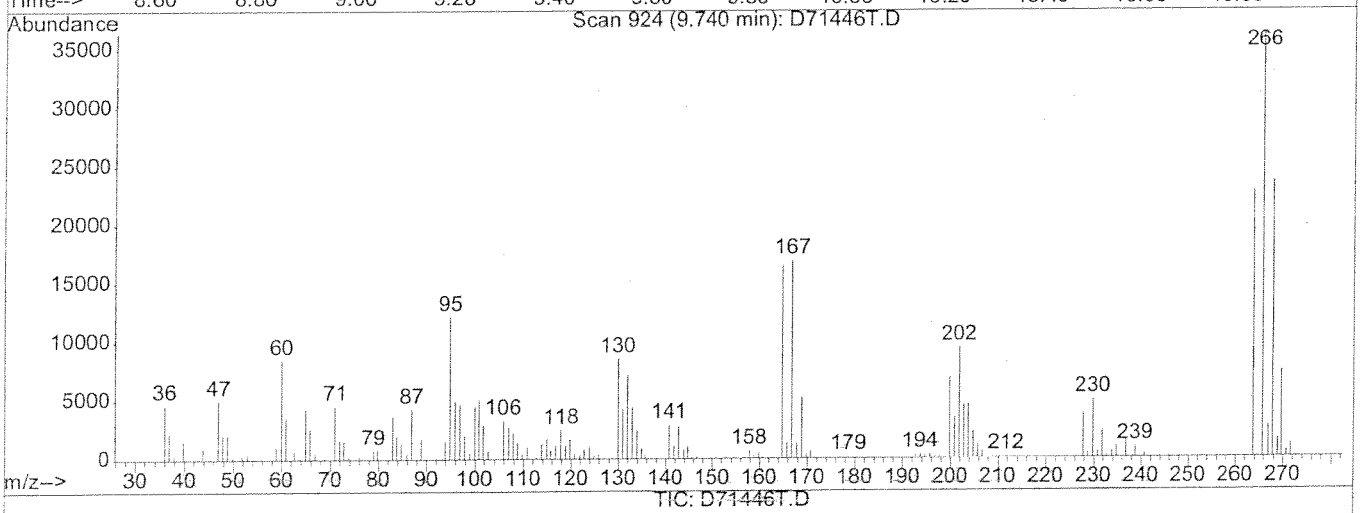
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration



Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration





(1) PENTACHLOROPHENOL (T)

9.74min 15.78UG/L

response 39778

Ion	Exp%	Act%
266.00	100	100
264.00	59.50	61.59
268.00	58.20	63.08
0.00	0.00	0.00

8/5/10

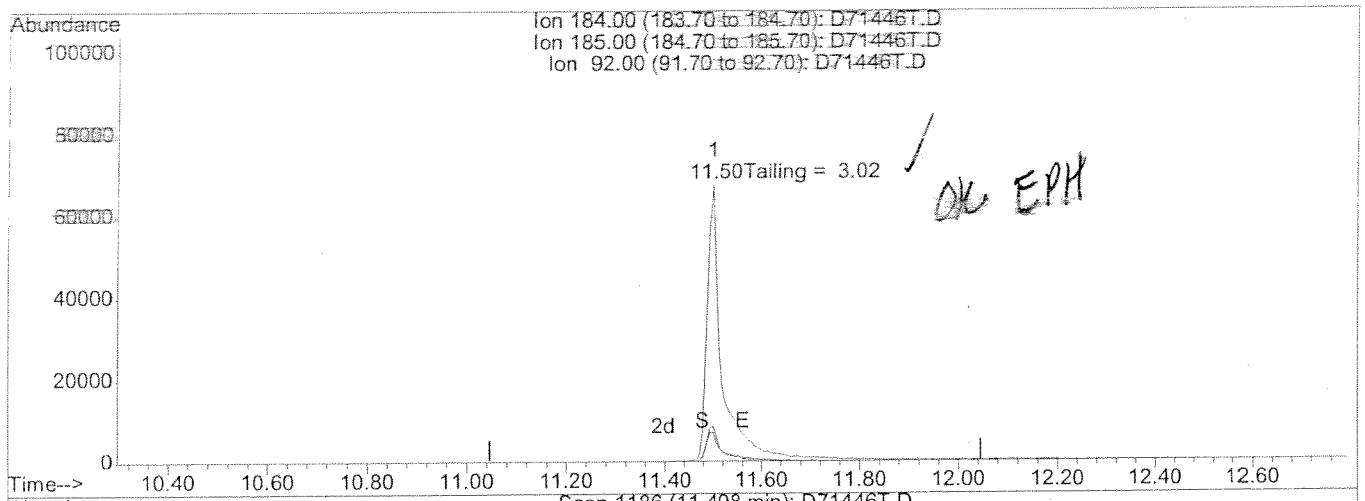
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:40 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

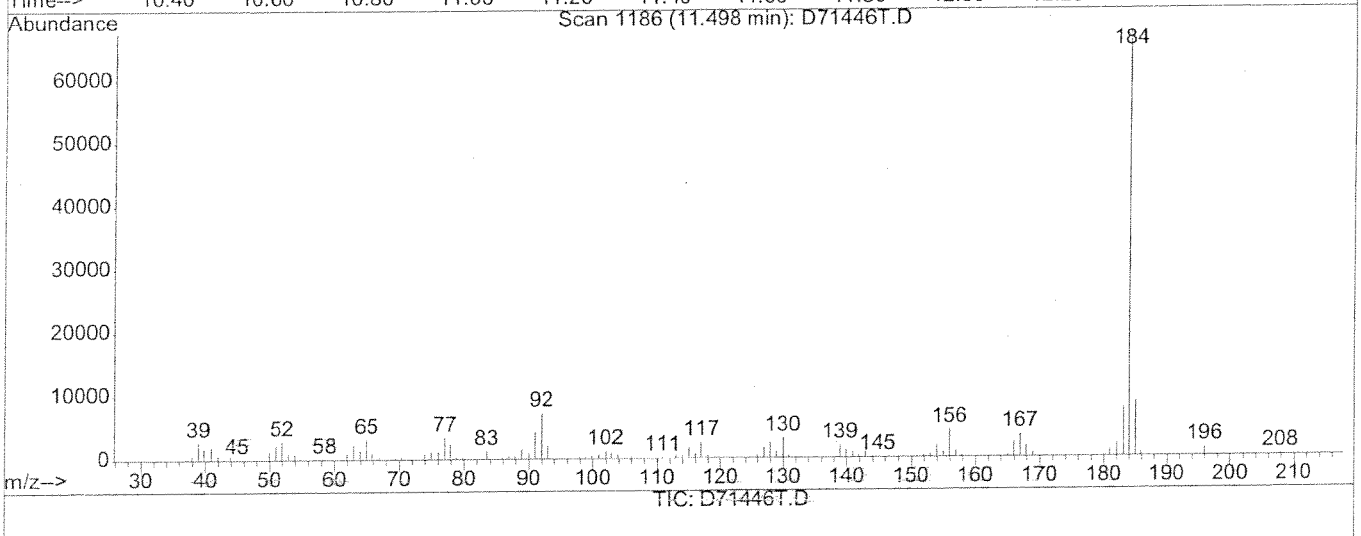
Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

N 080510



OK EPH



(3) BENZIDINE (T)

11.50min 18.88UG/L

response 151505

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.18#
92.00	0.00	10.90#
0.00	0.00	0.00

OK 8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:19:09 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67834
DFTPP File ID: J35915T.D
DFTPP Injection Date: 09/21/10
DFTPP Injection Time: 22:24

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9706 ARO 2	J35922SI.D	9/22/10 1:27
S9707 ARO 5	J35923SI.D	9/22/10 1:50
S9708 ARO 10	J35924SI.D	9/22/10 2:13
S10041 ARO 20	J35925SI.D	9/22/10 2:36
S9710 ARO 50	J35926SI.D	9/22/10 2:59
S9711 ARO 100	J35927SI.D	9/22/10 3:22
S9716 ARO 20 ICV	J35928.D	9/22/10 3:45

Refer to the DFTPP report J35915T.D for ion ratio evaluation.

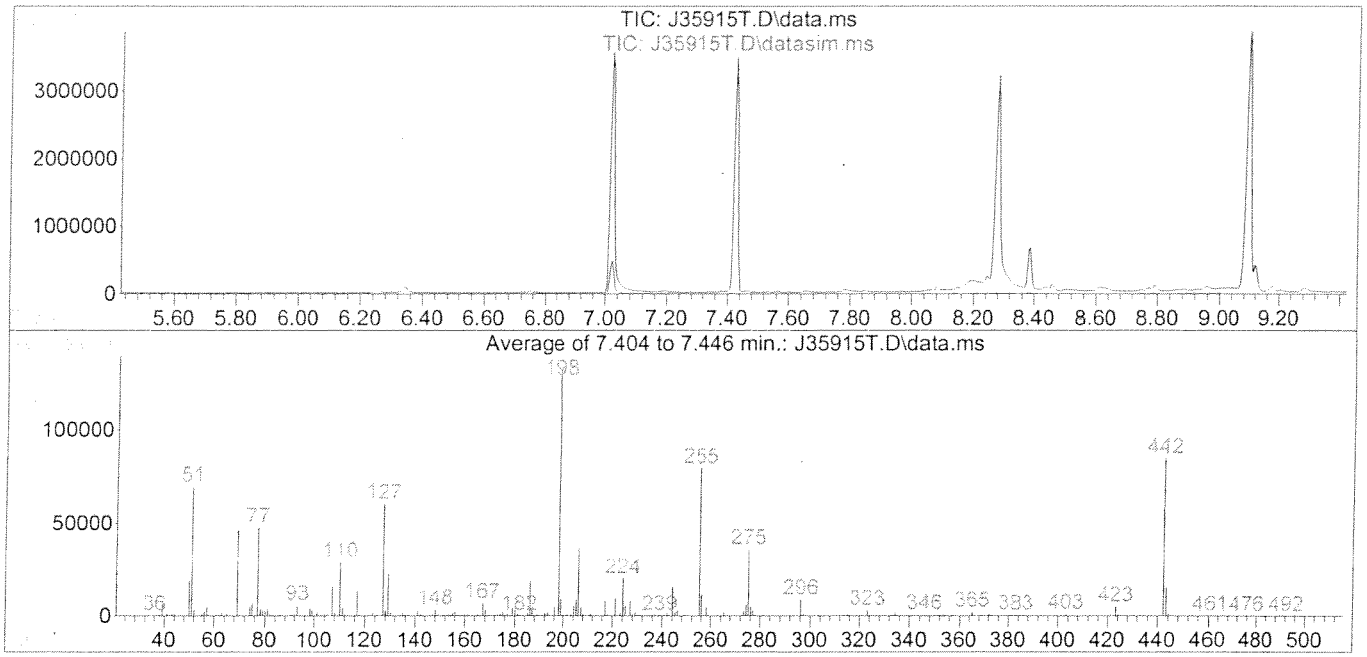
EPH FORM 5

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Wed Sep 22 00:54:43 2010

M 9/22/10



Spectrum Information: Average of 7.404 to 7.446 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.5	69708	PASS
68	69	0.00	2	0.0	15	PASS
69	198	0.00	100	34.8	46182	PASS
70	69	0.00	2	0.6	261	PASS
127	198	40	60	45.4	60362	PASS
197	198	0.00	1	0.0	15	PASS
198	198	100	100	100.0	132842	PASS
199	198	5	9	6.8	8983	PASS
275	198	10	30	27.0	35860	PASS
365	198	1	100	1.6	2103	PASS
441	443	0.01	100	0.7	109	PASS
442	198	40	100	63.8	84794	PASS
443	442	17	23	18.0	15226	PASS

592210

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35915T.D**
Date Acquired **9/21/2010 22:24**

9/22/10

Name	Target Response
Pentachlorophenol	492228.00
Benzidine	1576401.00
DDE	2055.00
DDD	32145
DDT	980153

(0% - 20%)

%DDT BREAKDOWN = 3.37% **OK** ✓

392210

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

MV
9/22/10

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) Pentachlorophenol	7.020	266	492228	33.66 ug/ml	100
2) DFTPP	7.427	198	370749	30.69 ug/ml#	100
3) Benzidine	8.280	184	1576401	25.47 ug/ml#	100
4) DDE	8.444	246	2055	1.40 ug/ml#	100
5) DDD	8.772	235	32145	2.00 ug/ml#	100
6) DDT	9.097	235	980153	31.94 ug/ml#	100

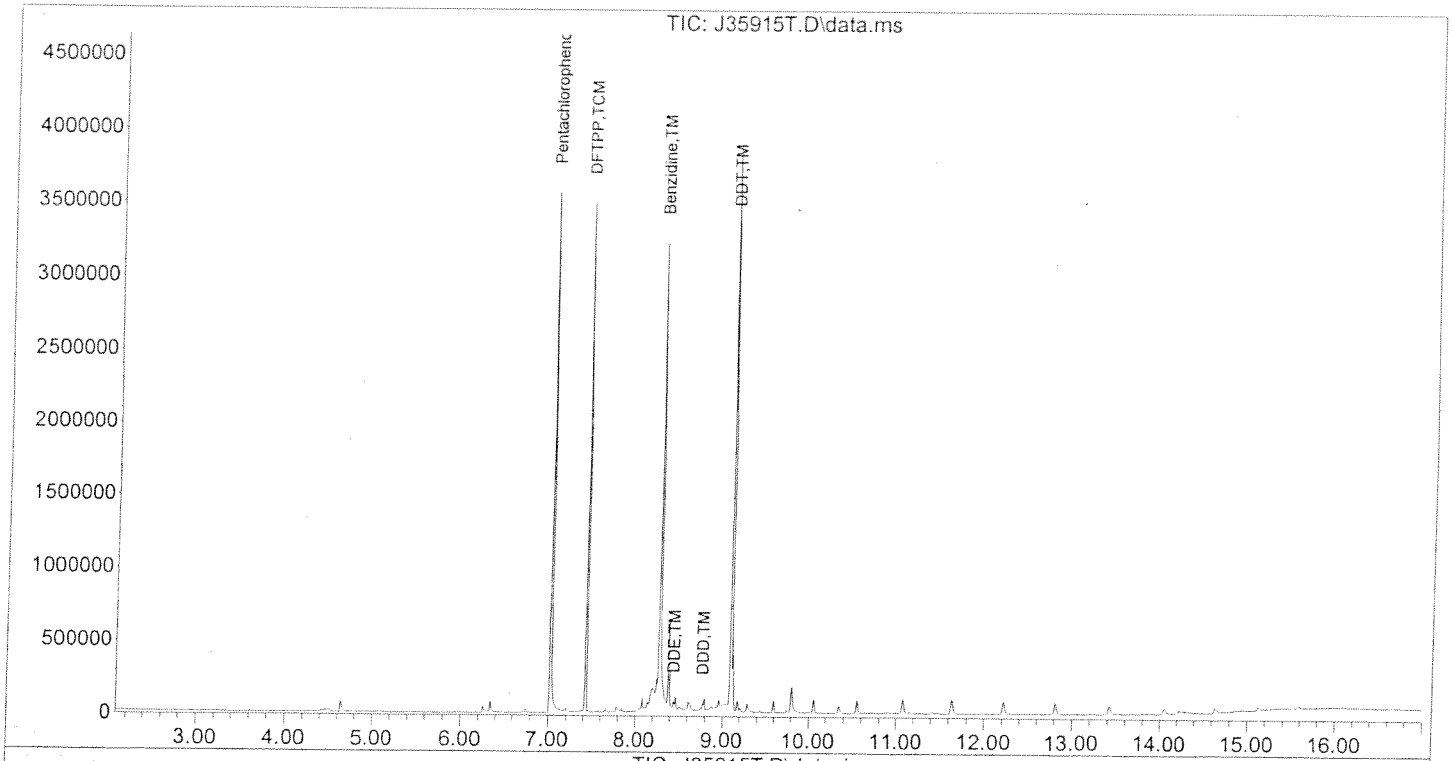
(#) = qualifier out of range (m) = manual integration (+) = signals summed

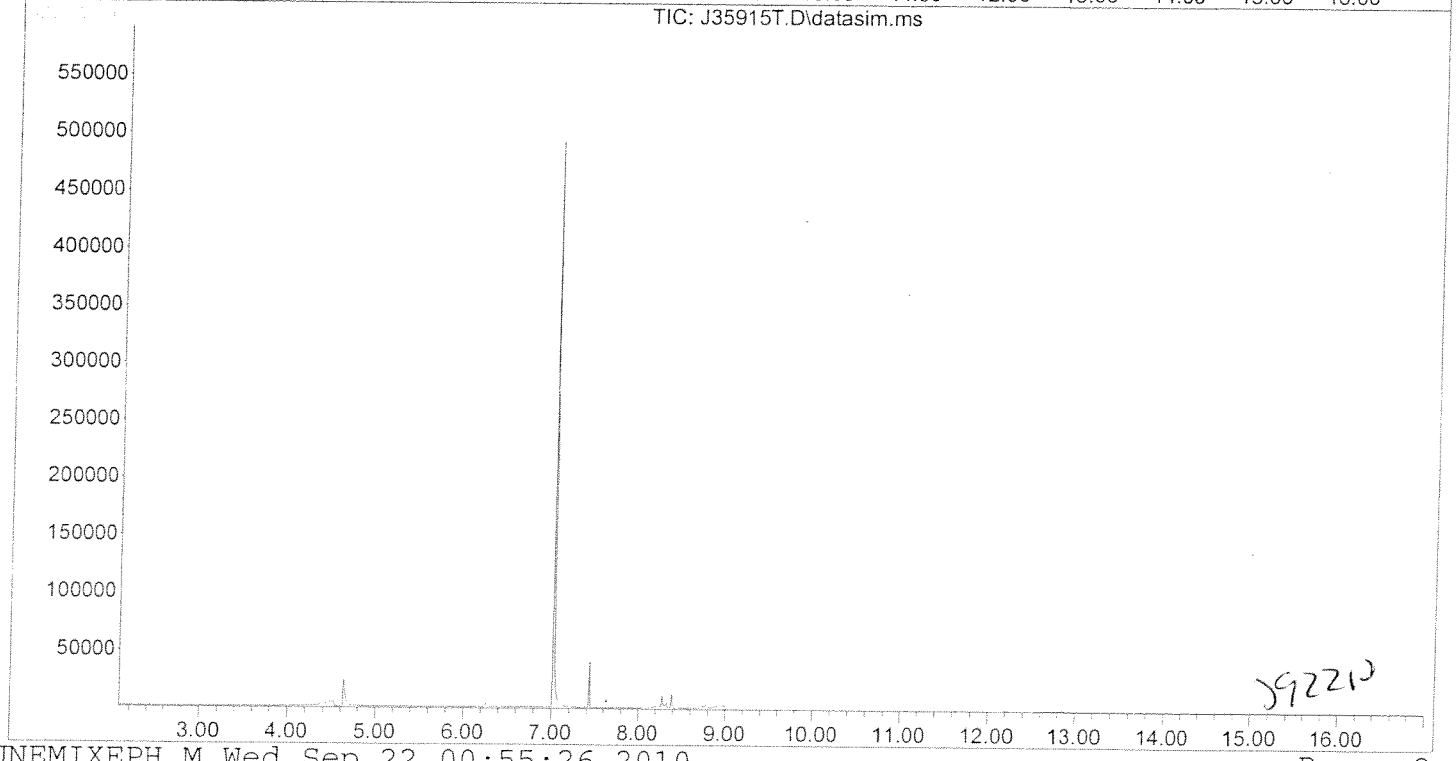
J92210

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

MW 9/22/10



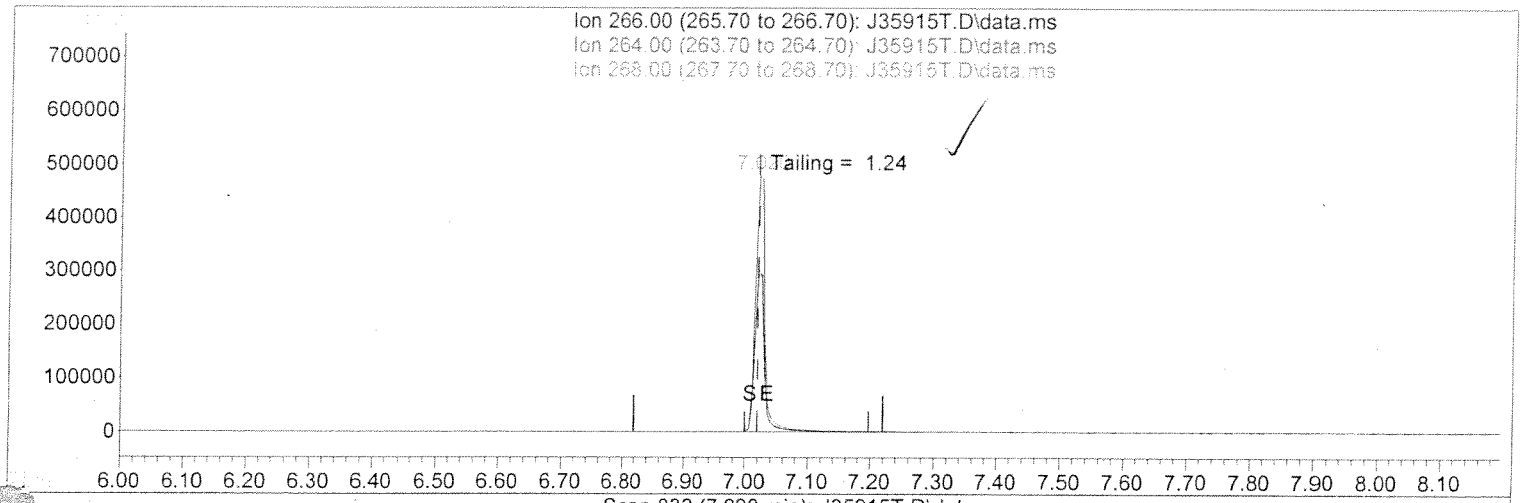


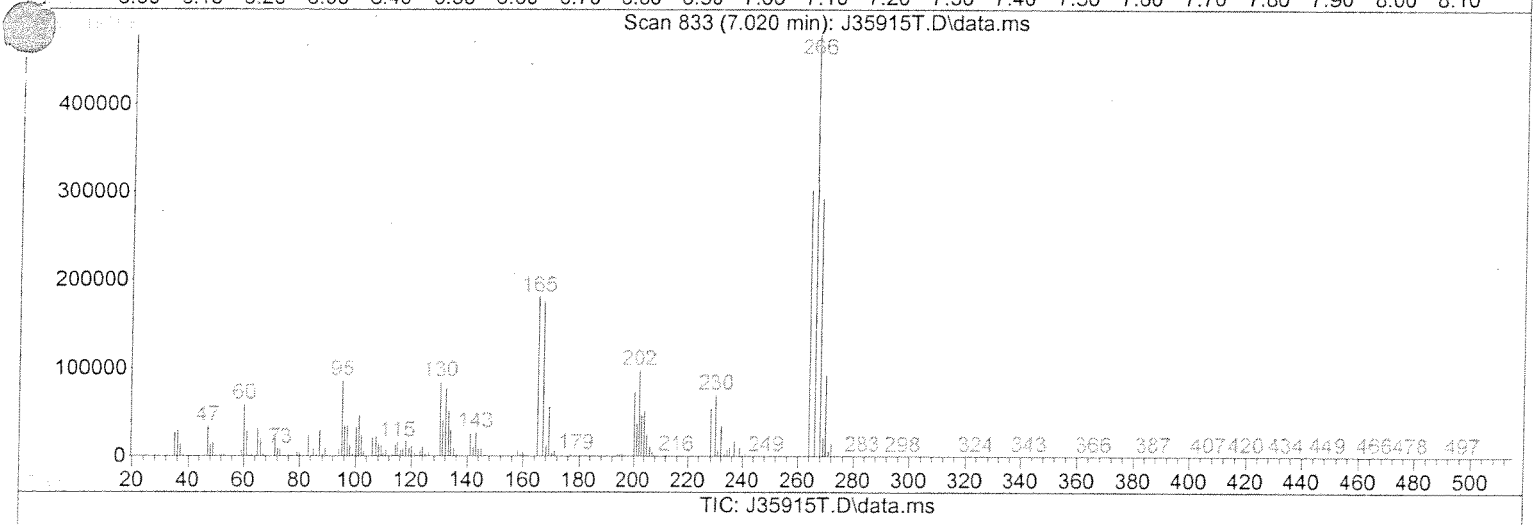
J92210

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

9/22/10





(1) Pentachlorophenol (TMC)

7.020min (0.000) 33.66ug/ml

response 492228

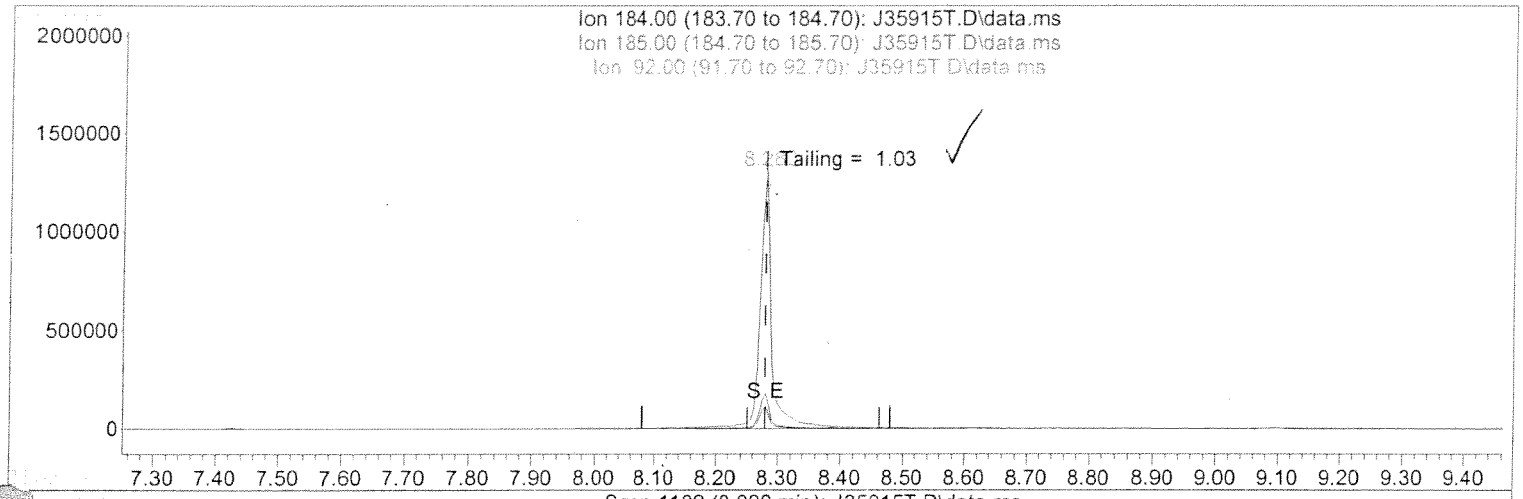
Ion	Exp%	Act%
266.00	100	100
264.00	63.20	63.10
268.00	61.50	61.69
0.00	0.00	0.00

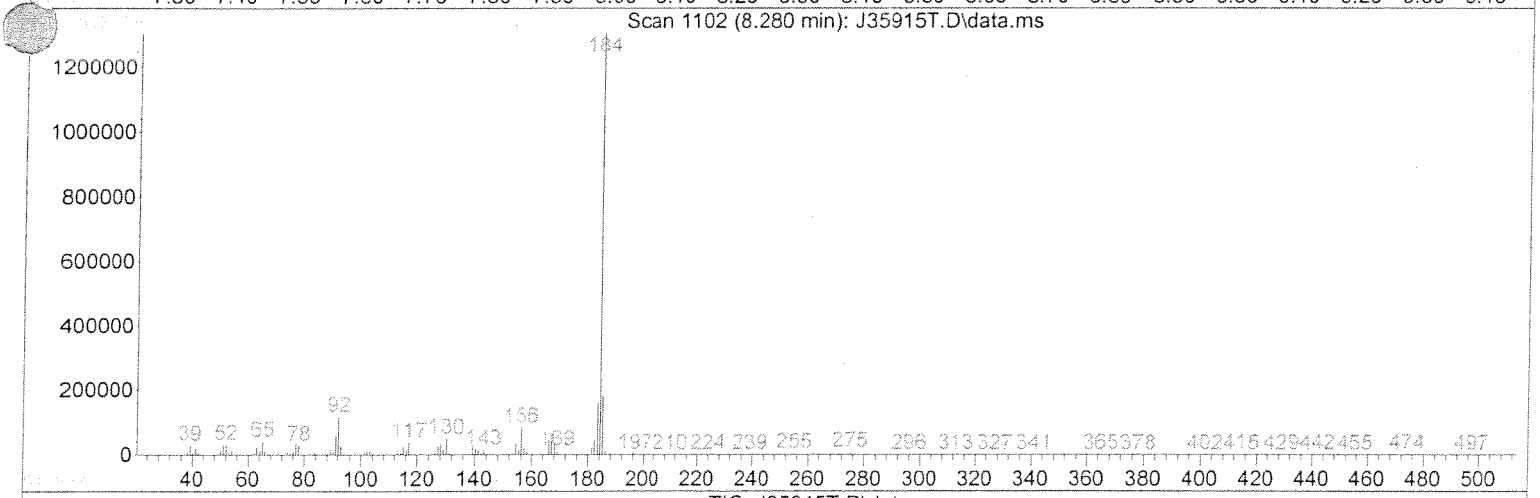
JG2210

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

9/22/10





(3) Benzidine (TM)

8.280min (0.000) 25.47ug/ml

response 1576401

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	14.27#
92.00	0.00	8.87#
0.00	0.00	0.00

J12210

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834
DFTPP File ID: D71765T.D
DFTPP Injection Date: 09/22/10
DFTPP Injection Time: 2:09

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71766SC.D	9/22/10 2:39
HEXANE W/IS	D71767.D	9/22/10 3:09
B092010EASE2	D71769B.D	9/22/10 4:10
L092010EASE2	D71770Q.D	9/22/10 4:39
LD092010EASE2	D71771Q.D	9/22/10 5:10
S10042 ALI 40	D71781SC.D	9/22/10 12:57
S10042 ALI 40	D71782SC.D	9/22/10 13:28

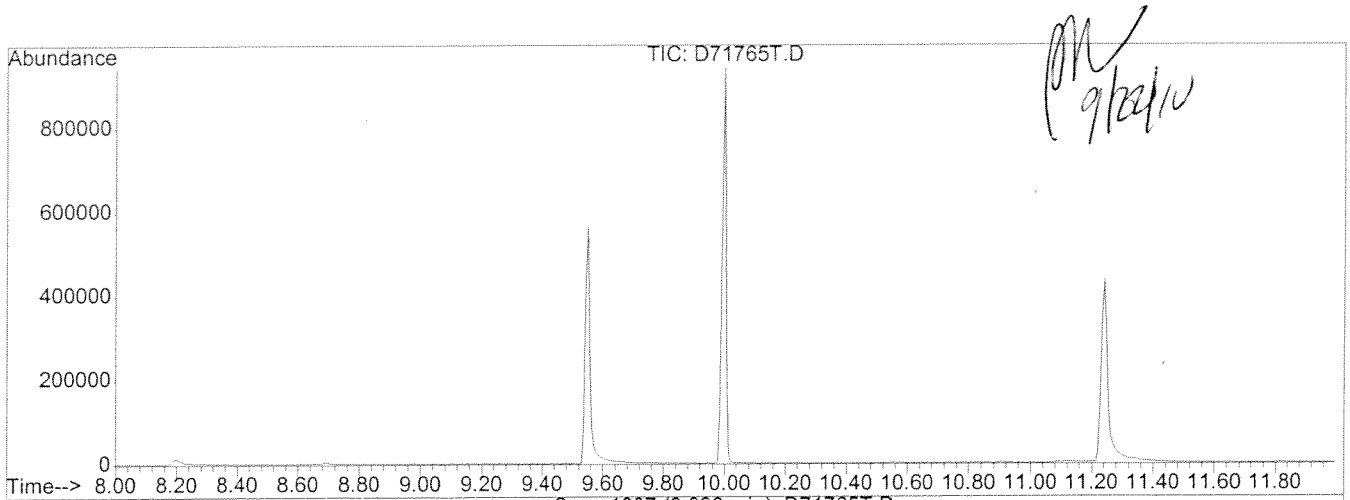
Refer to the DFTPP report D71765T.D for ion ratio evaluation.

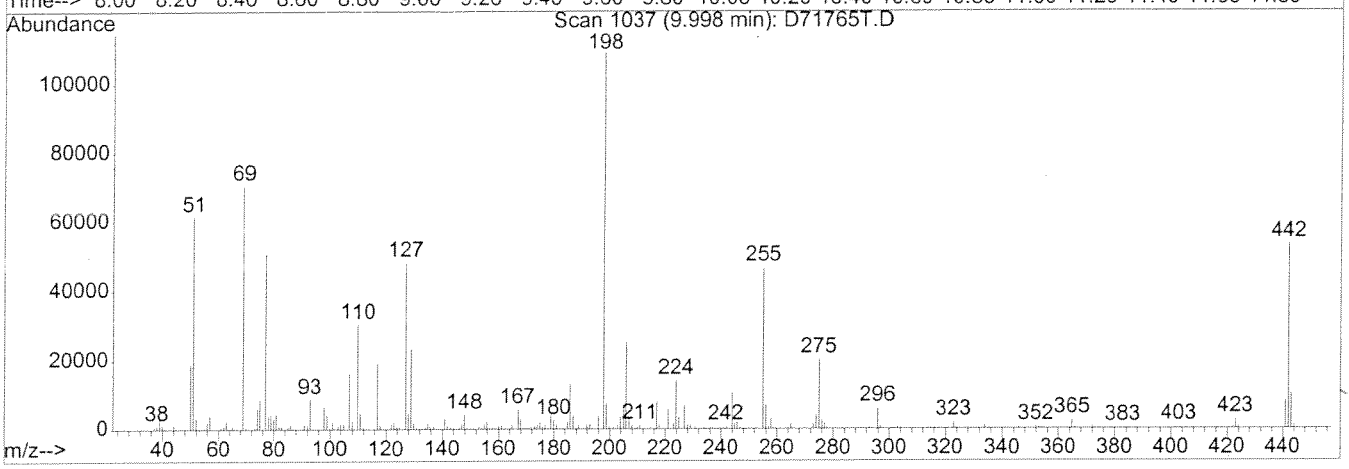
EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00





Spectrum Information: Scan 1037

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	56.3	61576	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	64.5	70552	PASS
70	69	0.00	2	0.5	341	PASS
127	198	40	60	44.2	48336	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109320	PASS
199	198	5	9	6.7	7314	PASS
275	198	10	30	18.4	20128	PASS
365	198	1	100	2.2	2428	PASS
441	443	0.01	100	79.0	8051	PASS
442	198	40	100	48.7	53272	PASS
443	442	17	23	19.1	10188	PASS

D71765T.D TUNMXEPH.M Wed Sep 22 03:41:16 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71765T.D**
Date Acquired **9/22/2010 2:09**

OK 9/22/10

Name	Target Response
PENTACHLOROPHENOL	61202.00
BENZIDINE	243269.00
DDE	72.00
DDD	600
DDT	152622

(0% - 20%)

%DDT BREAKDOWN = 0.44% **OK** ✓

592210

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/22/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.55	266	61202	24.28	UG/L	97
2) DFTPP	10.00	198	89800	29.39	ug/ml	96
3) BENZIDINE	11.24	184	243269	30.32	UG/L #	100
4) DDE	11.50	246	72	0.72	UG/L #	100
5) DDD	12.07	235	600	6.00	UG/L #	36
6) DDT	12.60	235	152622	33.78	UG/L	97

592210

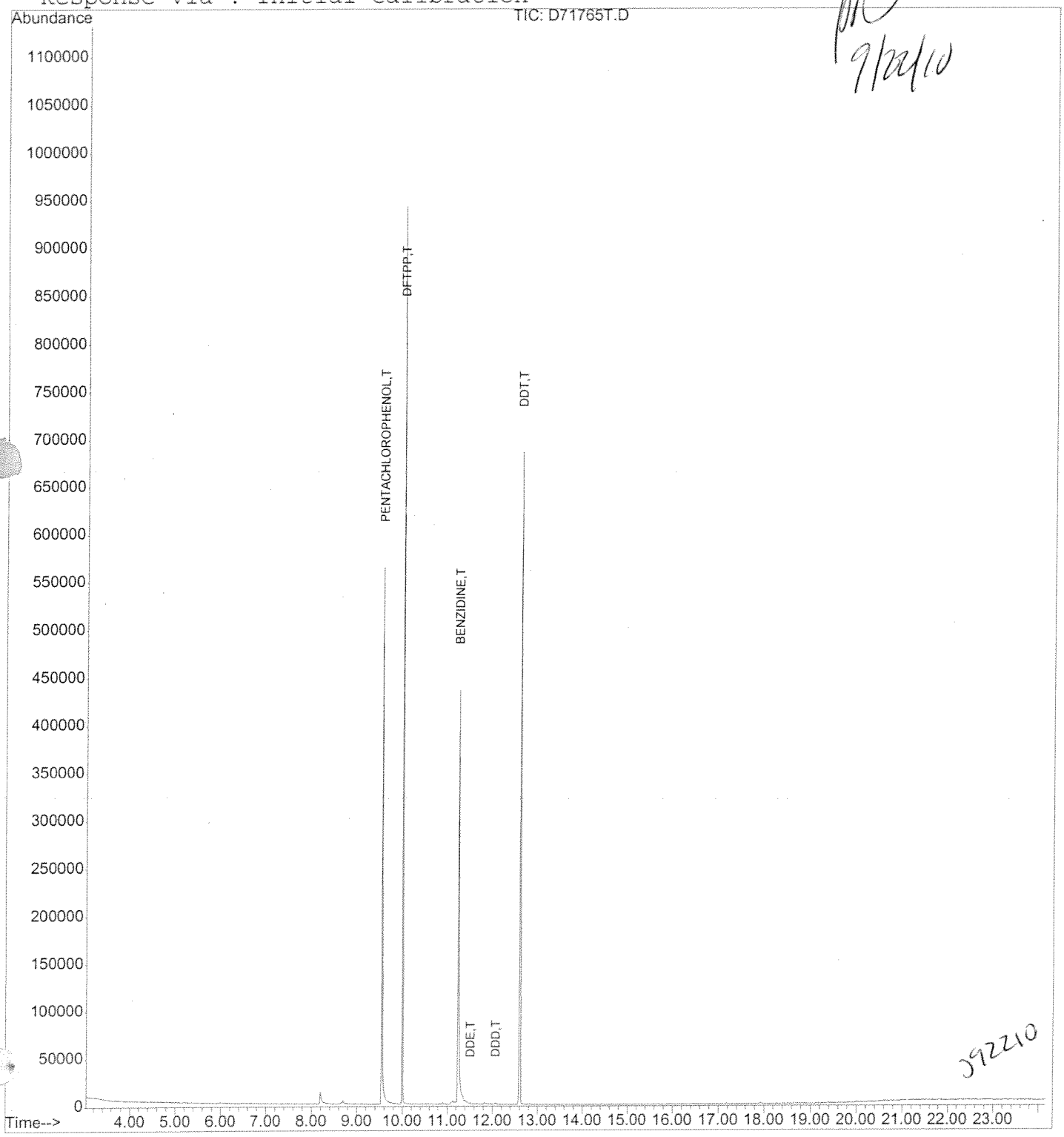
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D Vial: 1
Acq On : 22 Sep 2010 2:09 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010 Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration

9/22/10



092210

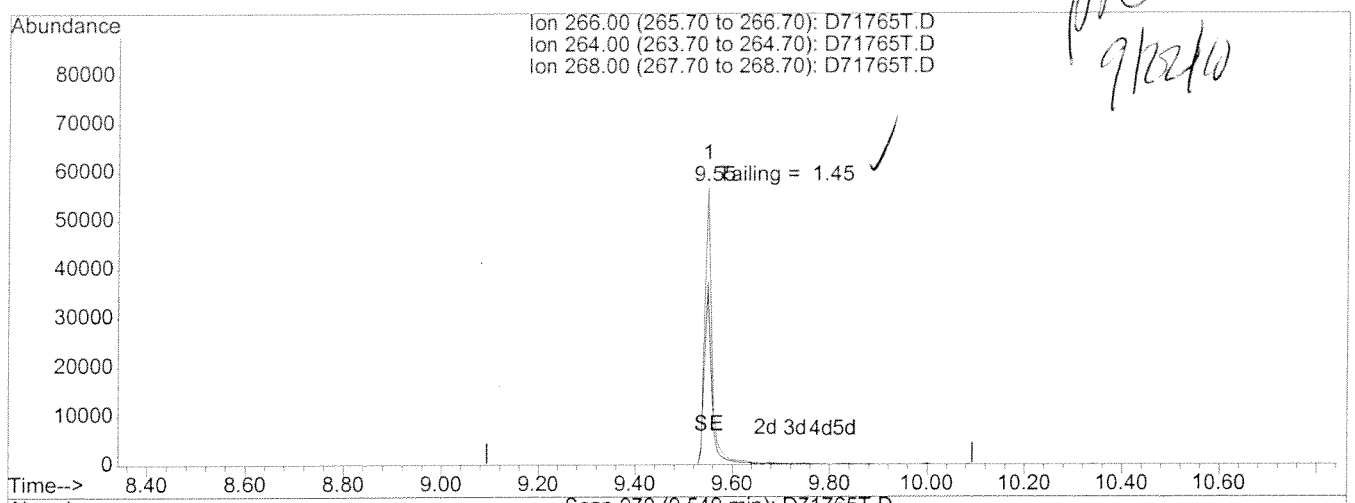
Quantitation Report (Qedit)

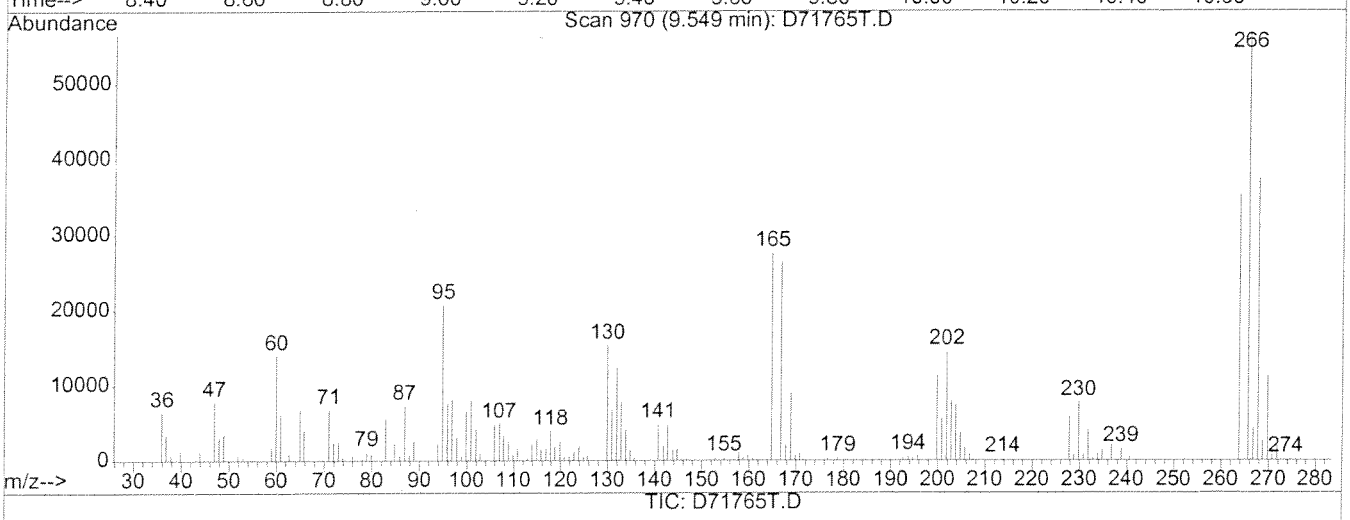
Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/22/10





(1) PENTACHLOROPHENOL (T)

9.55min 24.28UG/L

response 61202

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	62.65
268.00	62.40	64.84
0.00	0.00	0.00

592210

D71765T.D TUNMXEPH.M Wed Sep 22 03:42:55 2010

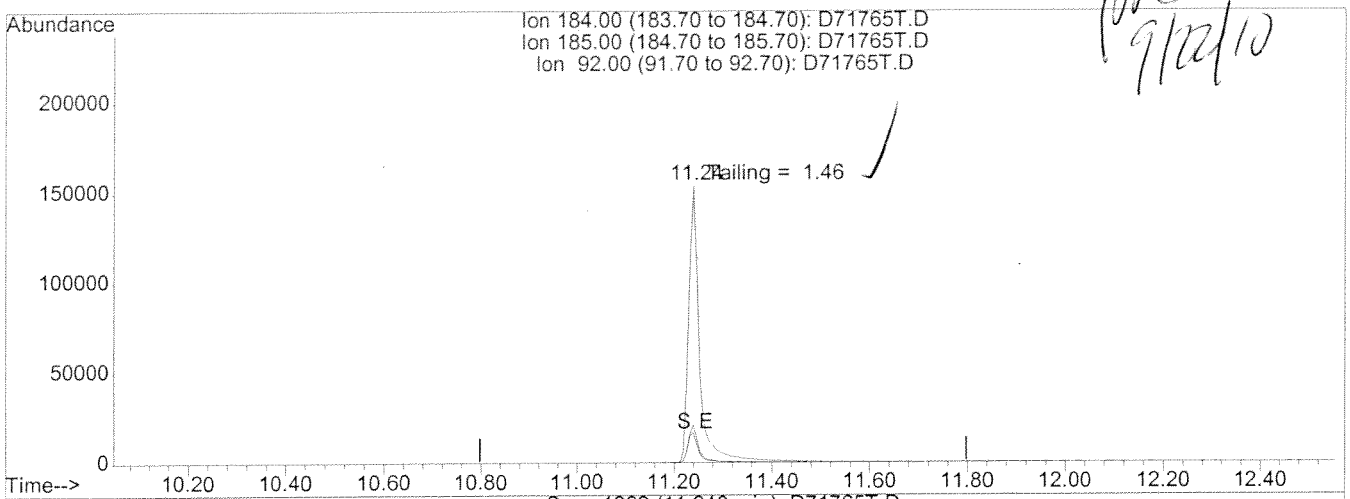
Quantitation Report (Qedit)

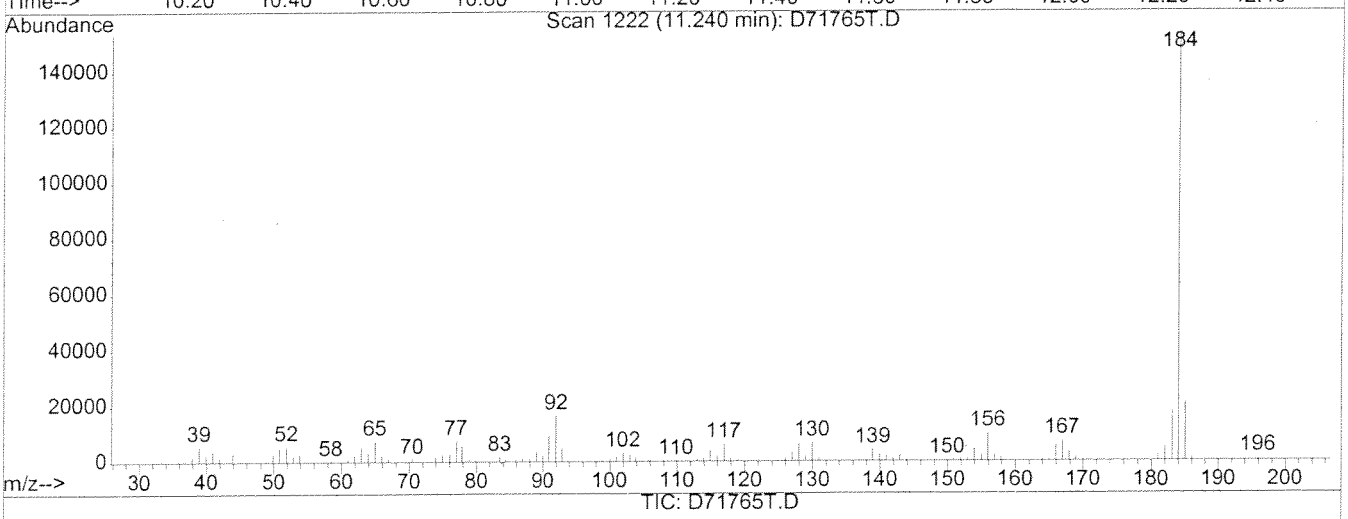
Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/22/10





TIC: D71765T.D

(3) BENZIDINE (T)

11.24min 30.32UG/L

response 243269

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.30#
92.00	0.00	10.82#
0.00	0.00	0.00

9/22/10

D71765T.D TUNMXEPH.M Wed Sep 22 03:43:01 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834
DFTPP File ID: D71783T.D
DFTPP Injection Date: 09/22/10
DFTPP Injection Time: 13:58

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
S10042 ALI 40	D71784SC.D	9/22/10	14:28
HEXANE W/IS	D71785.D	9/22/10	14:59
B092010EASE2,RR	D71786B.D	9/22/10	15:29
67834-1	D71787.D	9/22/10	16:29
67834-2	D71788.D	9/22/10	16:59
67834-3	D71789.D	9/22/10	17:29
67834-4	D71790.D	9/22/10	17:58
67834-5	D71791.D	9/22/10	18:28
67834-6	D71792.D	9/22/10	18:58
67834-15	D71793.D	9/22/10	19:29
67834-15,MS	D71794SP.D	9/22/10	19:59
67834-15,MSD	D71795SP.D	9/22/10	20:29
67834-16	D71796.D	9/22/10	20:59
67834-17	D71797.D	9/22/10	21:29
67834-18	D71798.D	9/22/10	21:59

Refer to the DFTPP report D71783T.D for ion ratio evaluation.

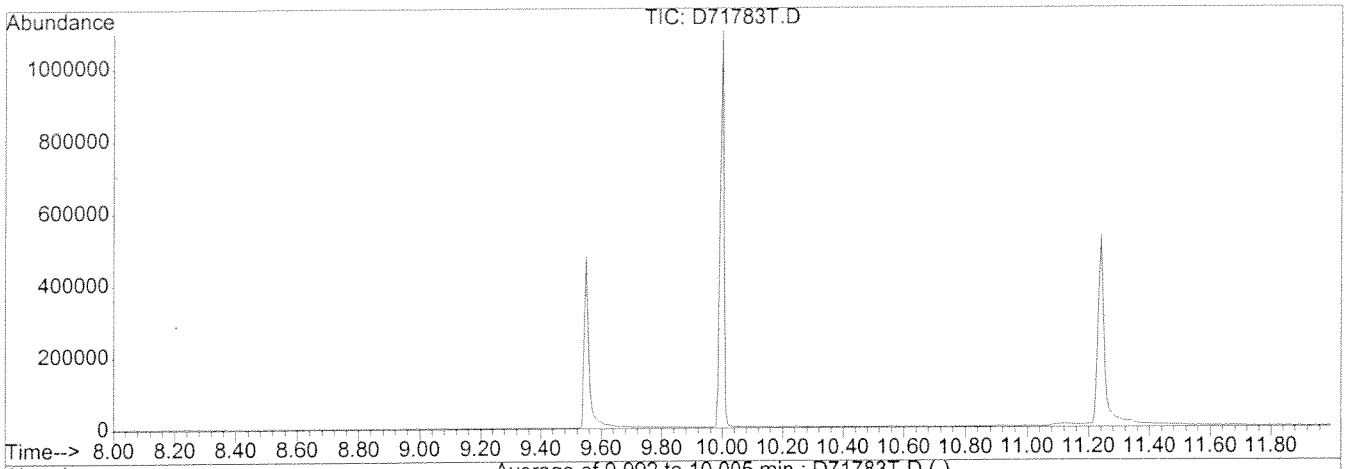
EPH FORM 5

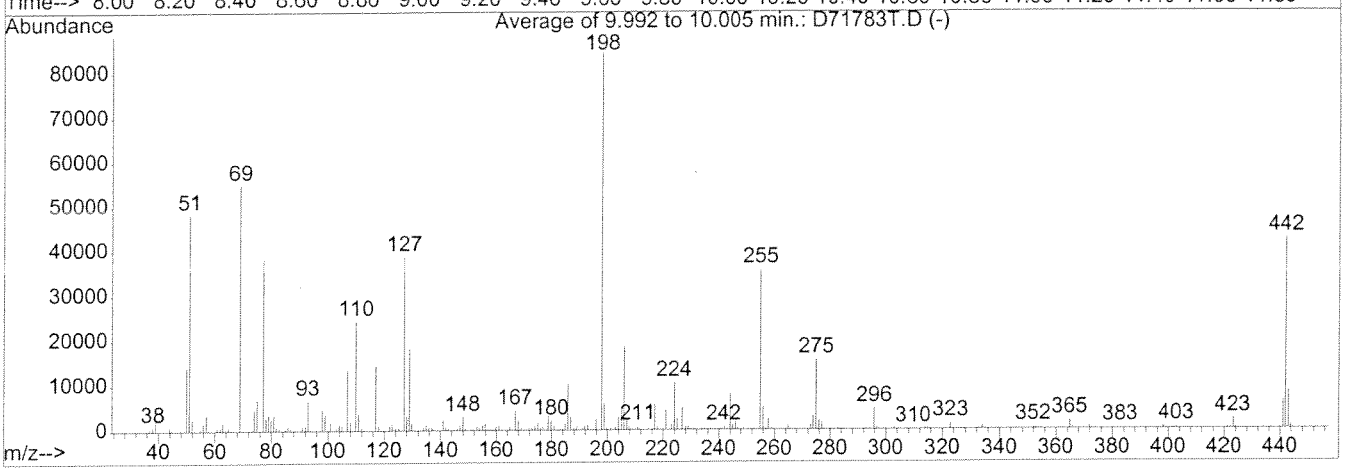
DFTPP

Data File : D:\HPCHEM\1\DATA\092110-D\D71783T.D
Acq On : 22 Sep 2010 1:58 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

S92210





AutoFind: Scans 1036, 1037, 1038; Background Corrected with Scan 1031

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	57.2	48266	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	65.1	54893	PASS
70	69	0.00	2	0.2	119	PASS
127	198	40	60	45.9	38680	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	84336	PASS
199	198	5	9	6.8	5746	PASS
275	198	10	30	18.3	15465	PASS
365	198	1	100	2.2	1842	PASS
441	443	0.01	100	77.1	6368	PASS
442	198	40	100	50.3	42386	PASS
443	442	17	23	19.5	8257	PASS

9/22/10

D71783T.D TUNMXEPH.M Wed Sep 22 15:13:32 2010

9/22/10

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71783T.D**
Date Acquired **9/22/2010 1:58**

Name	Target Response
PENTACHLOROPHENOL	53413.00
BENZIDINE	284651.00
DDE	323.00
DDD	1358
DDT	181202

(0% - 20%)

%DDT BREAKDOWN = 0.92% **OK** ✓

✓ 9/22/10

9/22/10 3:12 PM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71783T.D
Acq On : 22 Sep 2010 1:58 pm
Sample : S9836 TUNEMIX 50NG
Misc :
: Integration Params: rteint.p
Quant Time: Sep 22 15:12 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/22/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.55	266	53413	21.19	UG/L	99
2) DFTPP	10.00	198	108844	35.63	ug/ml	96
3) BENZIDINE	11.24	184	284651	35.47	UG/L #	100
4) DDE	11.50	246	323	3.23	UG/L #	100
5) DDD	12.06	235	1358	13.58	UG/L #	76
6) DDT	12.60	235	181202	40.10	UG/L	99

JON
9/22/10

(#) = qualifier out of range (m) = manual integration

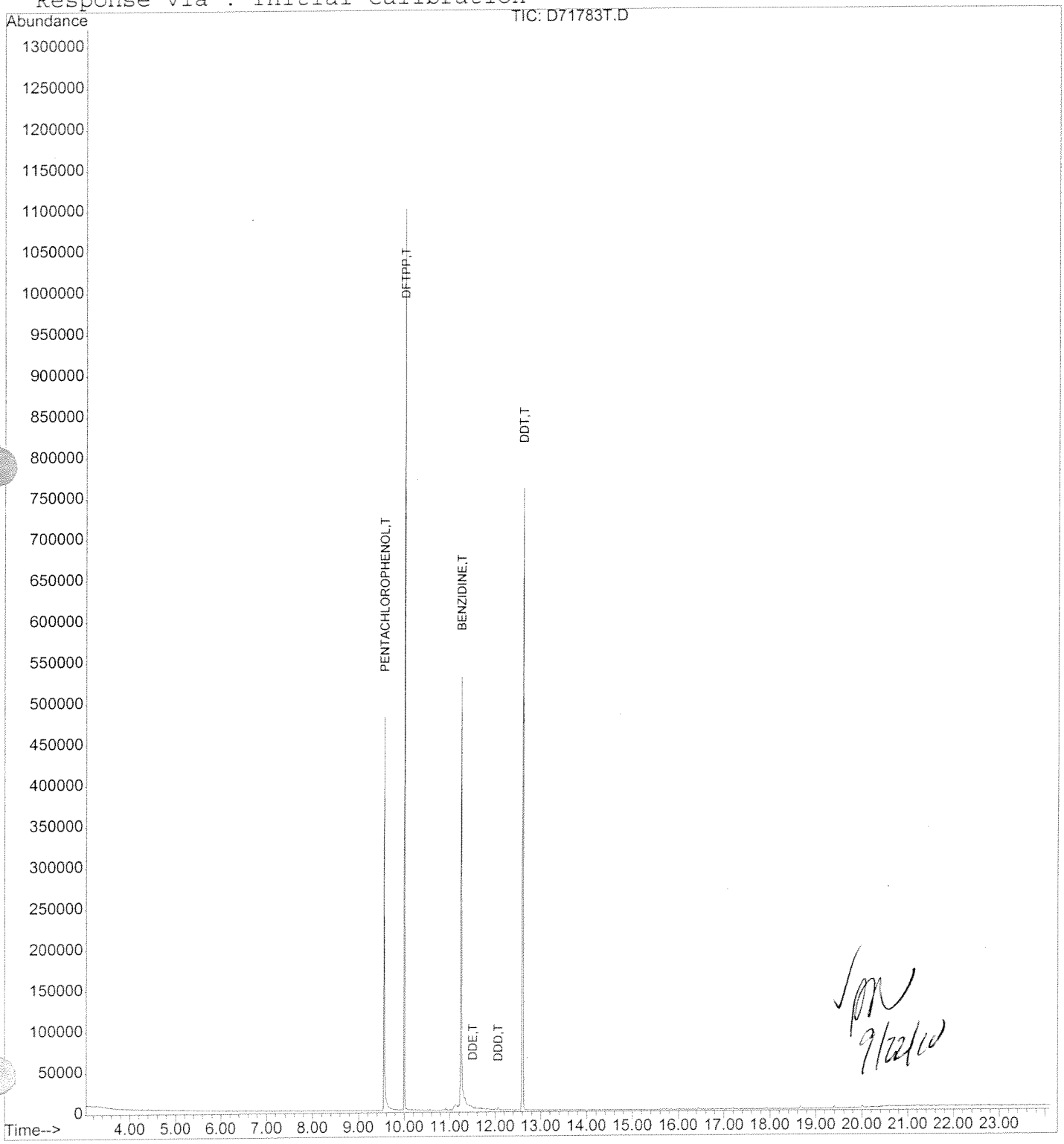
Quantitation Report

Data File : D:\HPCHEM\1\DATA\092110-D\D71783T.D
Acq On : 22 Sep 2010 1:58 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 15:12 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration

J422W



9/22/10

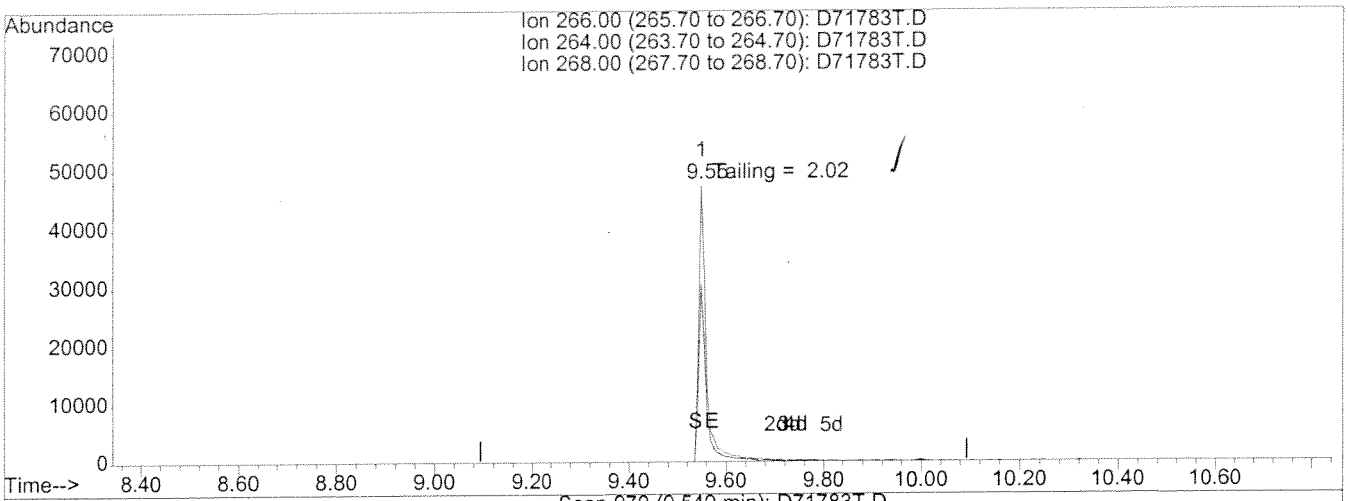
Quantitation Report (Qedit)

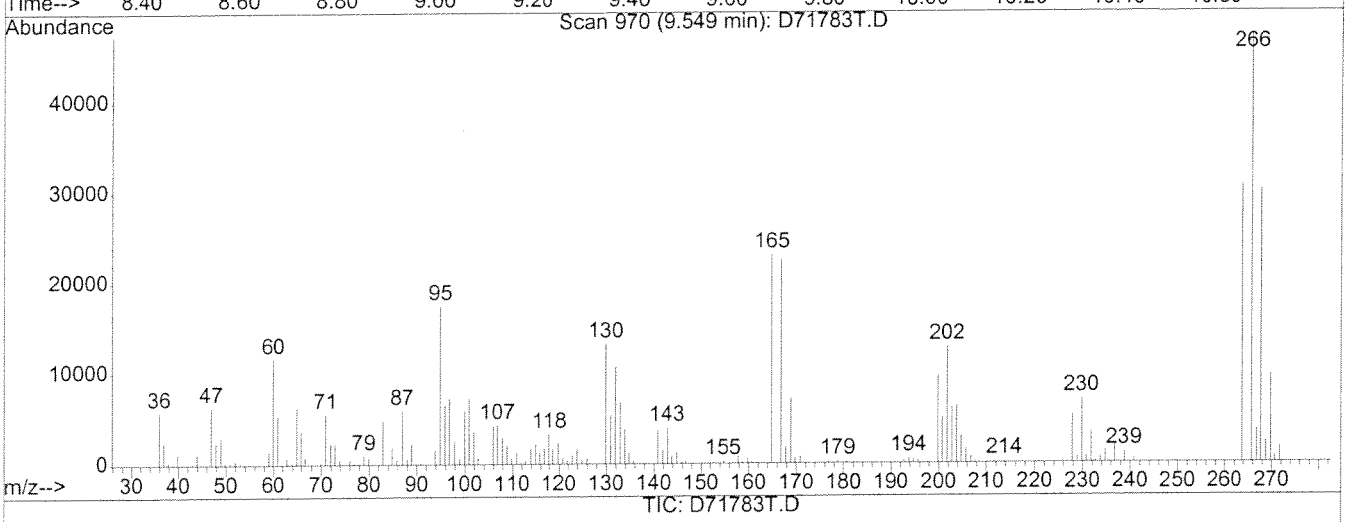
Data File : D:\HPCHEM\1\DATA\092110-D\D71783T.D
Acq On : 22 Sep 2010 1:58 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 15:12 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

S92210





TIC: D71783T.D

(1) PENTACHLOROPHENOL (T)

9.55min 21.19UG/L

response 53413

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	62.31
268.00	62.40	62.44
0.00	0.00	0.00

9/22/10

D71783T.D TUNMXEPH.M Wed Sep 22 15:13:05 2010

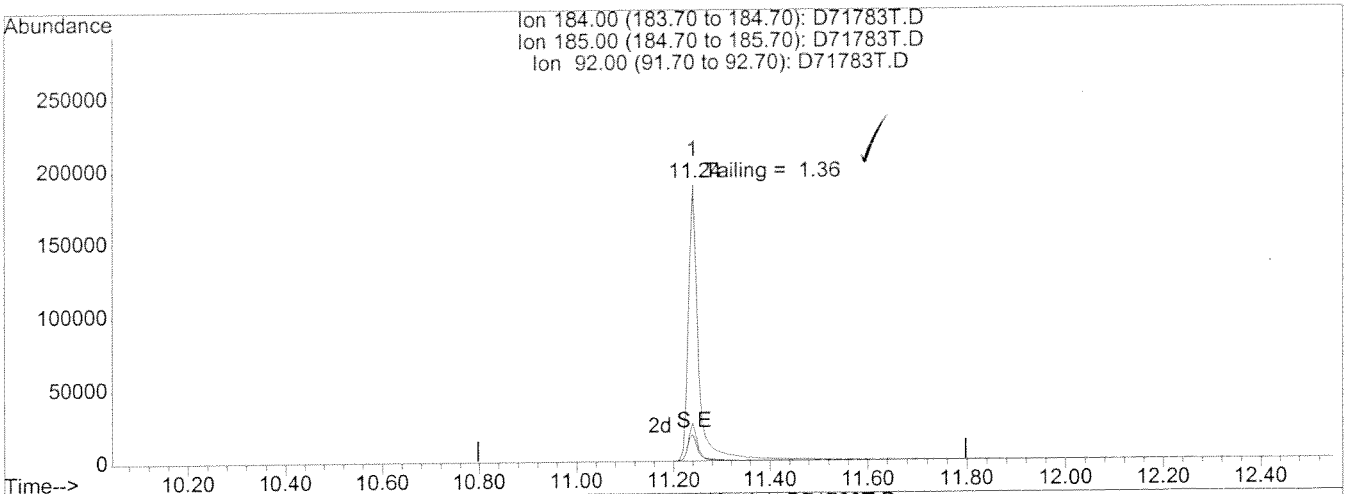
Quantitation Report (Qedit)

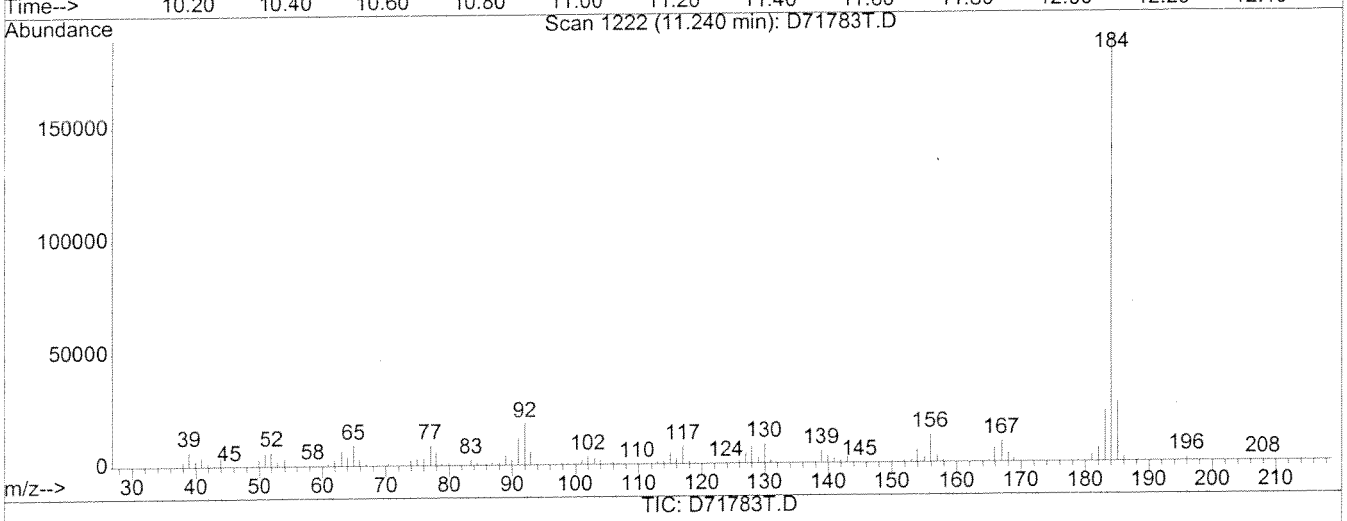
Data File : D:\HPCHEM\1\DATA\092110-D\D71783T.D
Acq On : 22 Sep 2010 1:58 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 15:12 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

922W





(3) BENZIDINE (T)

11.24min 35.47UG/L

response 284651

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.34#
92.00	0.00	10.11#
0.00	0.00	0.00

9/22/10

D71783T.D TUNMXEPH.M Wed Sep 22 15:13:13 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67834
DFTPP File ID: J35961T.D
DFTPP Injection Date: 09/22/10
DFTPP Injection Time: 16:21

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
S10041 ARO 20	J35962SC.D	9/22/10	16:44
HEXANE W/IS	J35963.D	9/22/10	17:06
B092010EASE2	J35964B.D	9/22/10	17:29
L092010EASE2	J35965Q.D	9/22/10	17:52
LD092010EASE2	J35966Q.D	9/22/10	18:15
L092010EASE2	J35967Q.D	9/22/10	18:38
LD092010EASE2	J35968Q.D	9/22/10	19:01
67834-1	J35969.D	9/22/10	19:24
67834-2	J35970.D	9/22/10	19:47
67834-3	J35971.D	9/22/10	20:10
67834-4	J35972.D	9/22/10	20:33
67834-5	J35973.D	9/22/10	20:56
67834-6	J35974.D	9/22/10	21:19
67834-15	J35975.D	9/22/10	21:42
67834-15,MS	J35976SP.D	9/22/10	22:05
67834-15,MSD	J35977SP.D	9/22/10	22:28
67834-16	J35978.D	9/22/10	22:51
67834-17	J35979.D	9/22/10	23:14
67834-18	J35980.D	9/22/10	23:37
S10041 ARO 20	J35989SC.D	9/23/10	3:27
S10041 ARO 20	J35990SC.D	9/23/10	3:49

Refer to the DFTPP report J35961T.D for ion ratio evaluation.

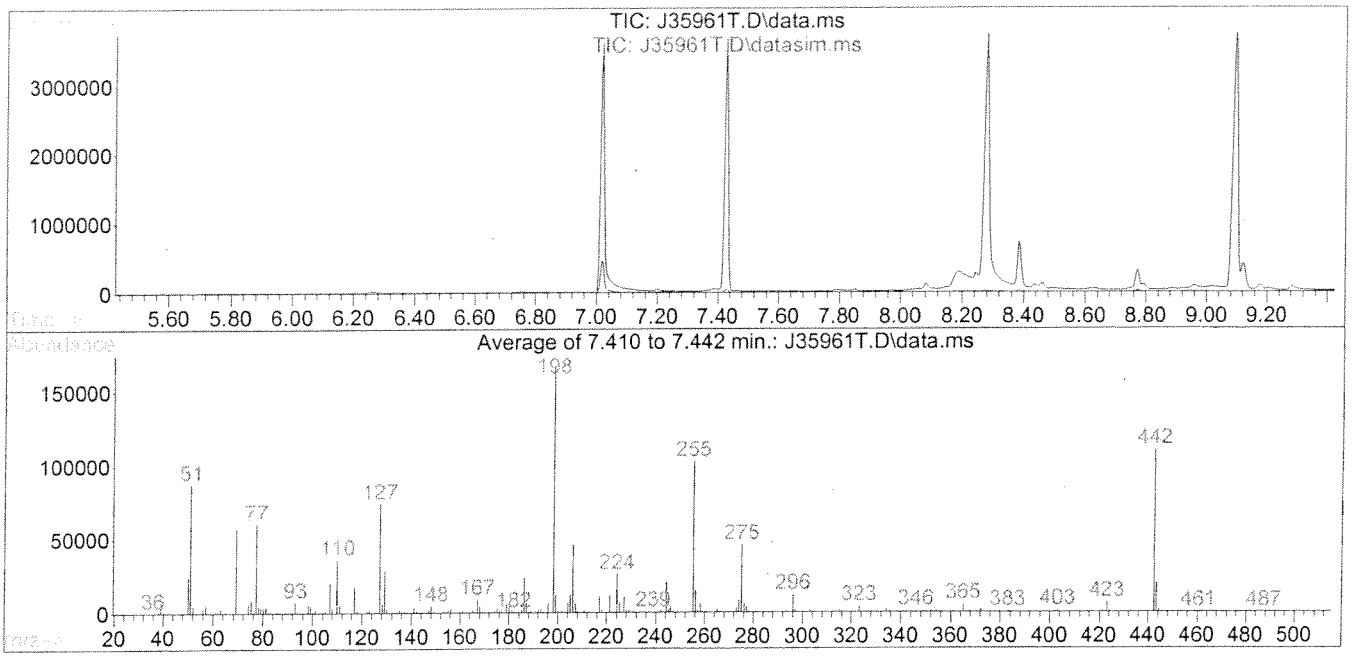
EPH FORM 5

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

J922W

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Wed Sep 22 00:54:43 2010



Spectrum Information: Average of 7.410 to 7.442 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.4	87396	PASS
68	69	0.00	2	0.0	13	PASS
69	198	0.00	100	34.2	56981	PASS
70	69	0.00	2	0.5	296	PASS
127	198	40	60	44.5	74319	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	166838	PASS
199	198	5	9	7.0	11739	PASS
275	198	10	30	27.3	45619	PASS
365	198	1	100	3.0	5013	PASS
441	443	0.01	100	1.4	269	PASS
442	198	40	100	66.0	110074	PASS
443	442	17	23	17.6	19322	PASS

TM 9/28/10

J92210

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35961T.D**
Date Acquired **9/22/2010 16:21**

Name	Target Response
Pentachlorophenol	495669.00
Benzidine	1792770.00
DDE	1916.00
DDD	75871
DDT	952905

(0% - 20%)

%DDT BREAKDOWN = 7.55% **OK** ✓

9/23/10

9/22/2010 7:10 PM

C:\msdchem\custrpt\ABN CUSTRPT\TUNEMIX.CRT

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

J92210

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

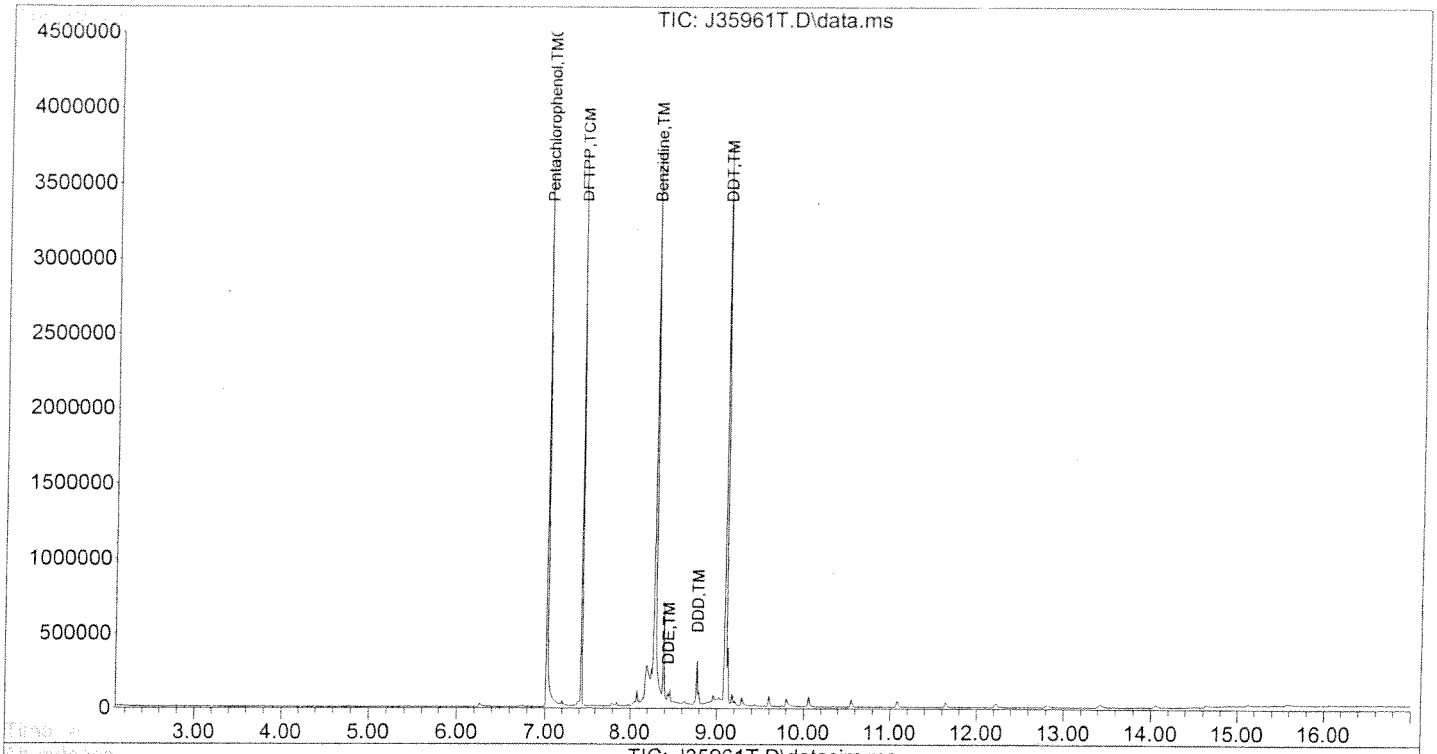
Target Compounds						Qvalue
1) Pentachlorophenol	7.021	266	495669	33.90	ug/ml	99
2) DFTPP	7.428	198	373615	30.93	ug/ml#	100
3) Benzidine	8.281	184	1792770	28.97	ug/ml#	100
4) DDE	8.445	246	1916	1.30	ug/ml#	100
5) DDD	8.773	235	75871	4.71	ug/ml#	100
6) DDT	9.095	235	952905	31.05	ug/ml#	100

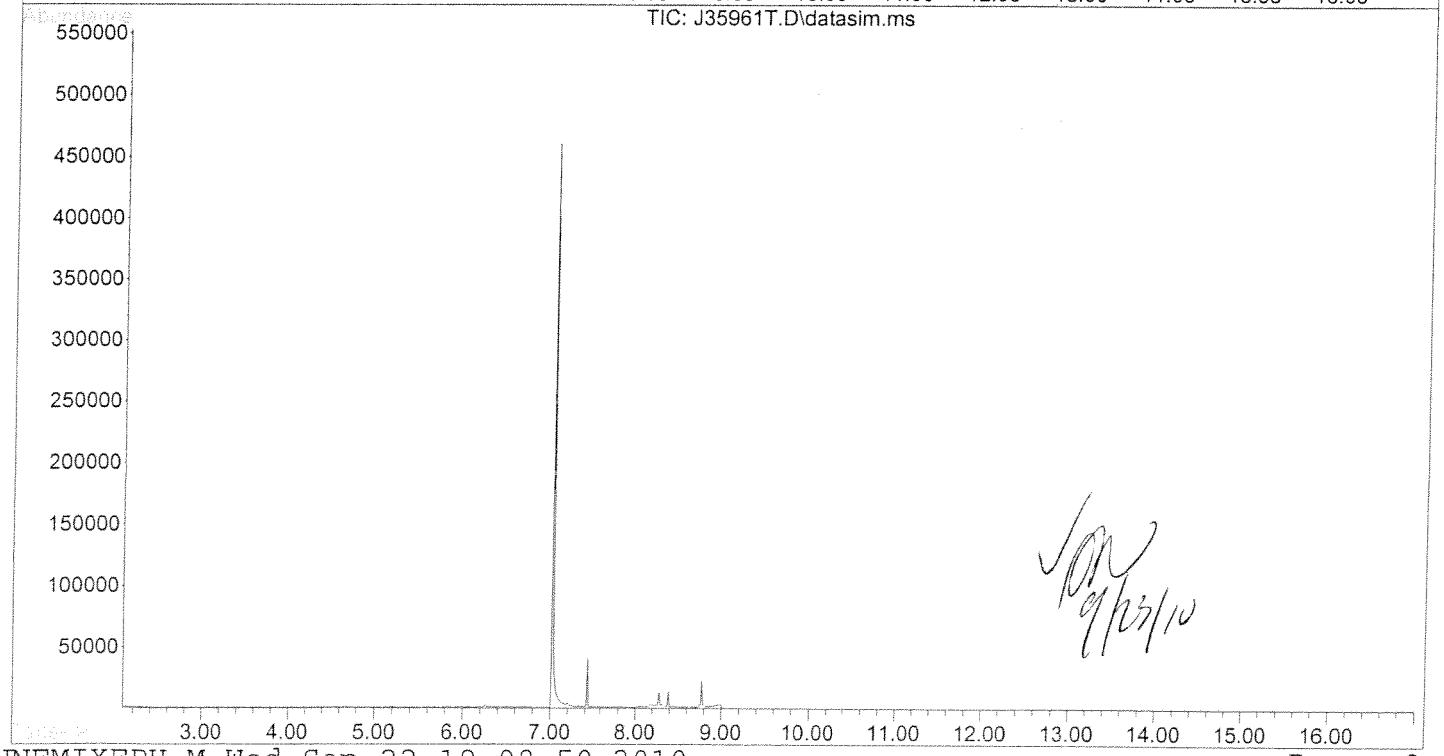
(#) = qualifier out of range (m) = manual integration (+) = signals summed

9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

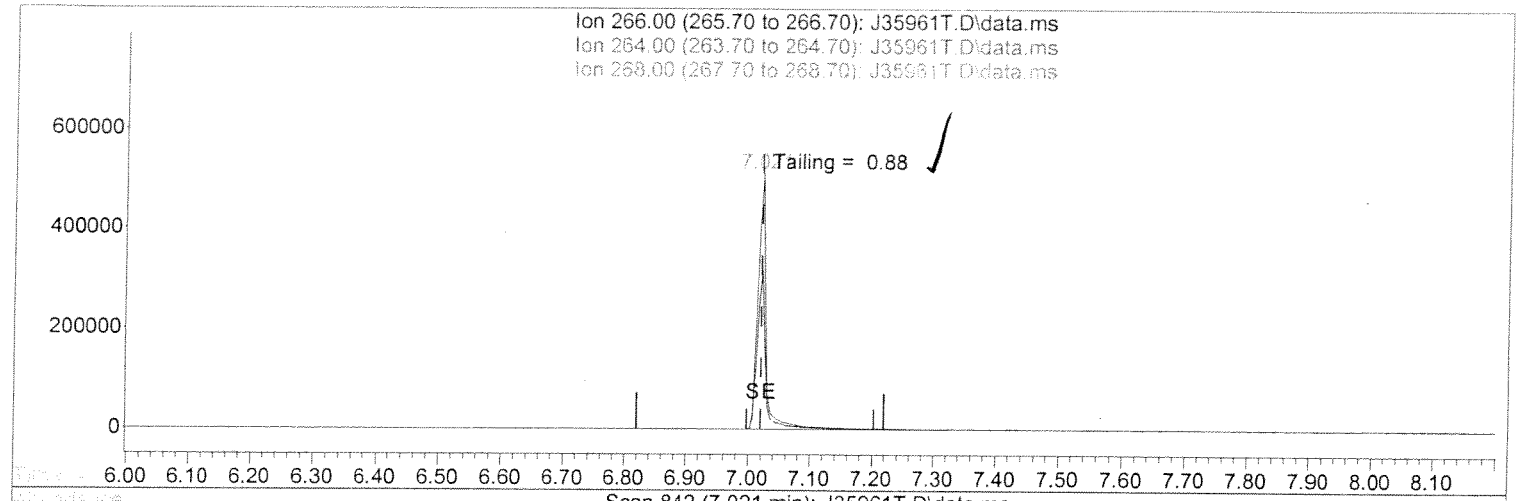


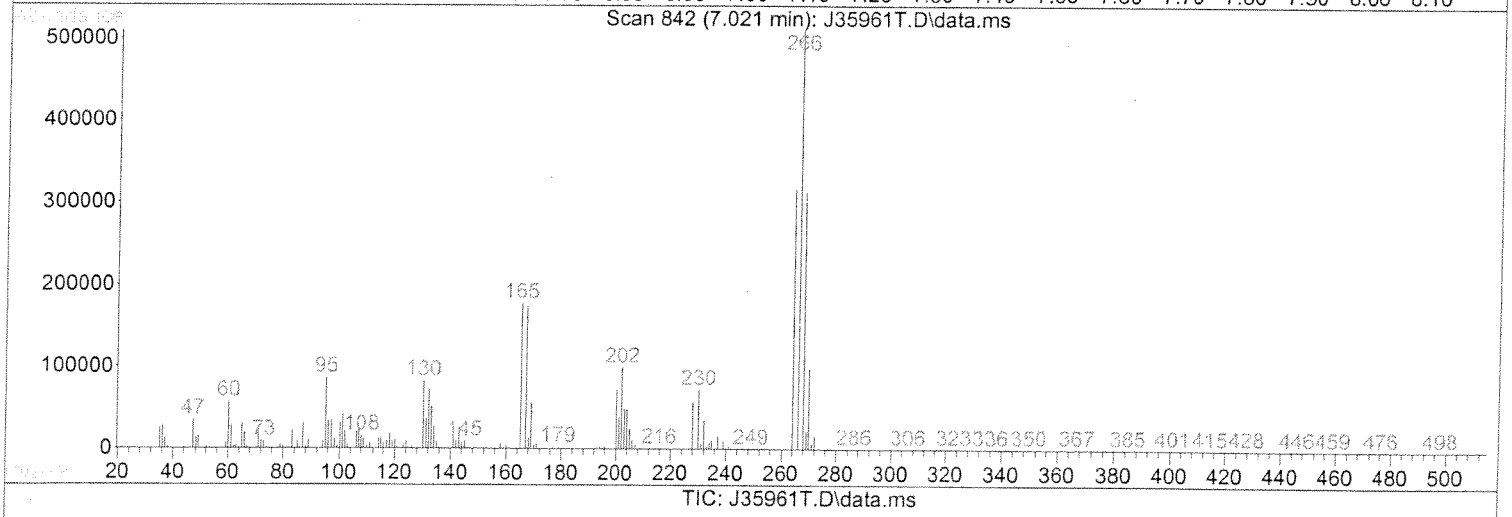


Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

342210

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration





(1) Pentachlorophenol (TMC)

7.021min (+0.001) 33.90ug/ml

response 495669

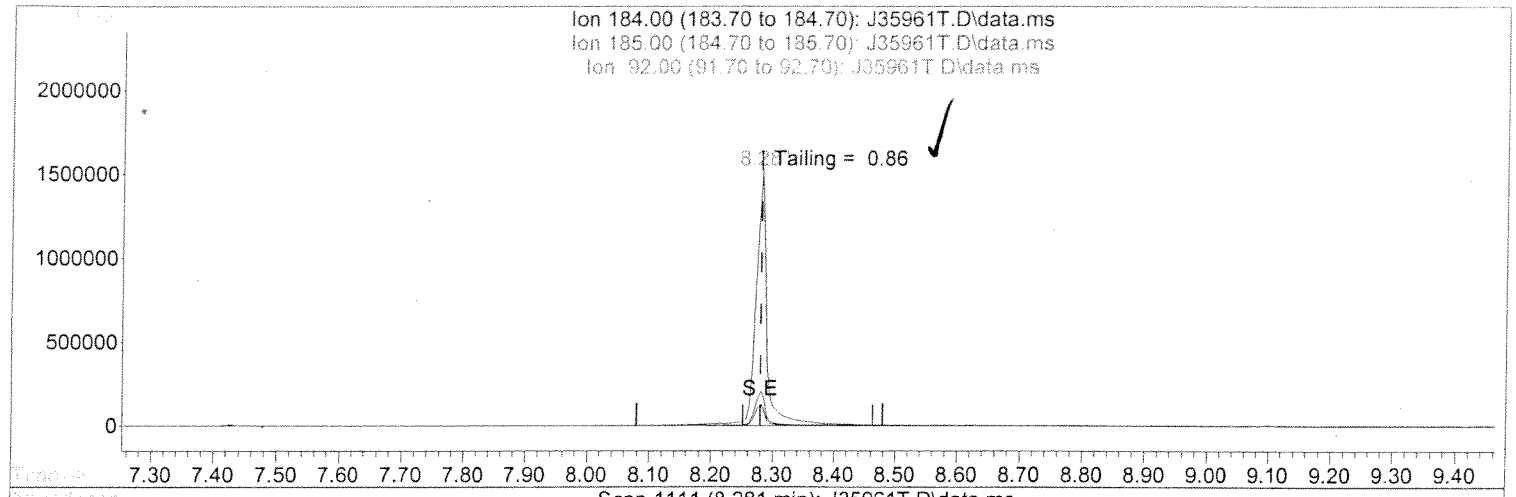
Ion	Exp%	Act%
266.00	100	100
264.00	63.20	62.73
268.00	61.50	60.92
0.00	0.00	0.00

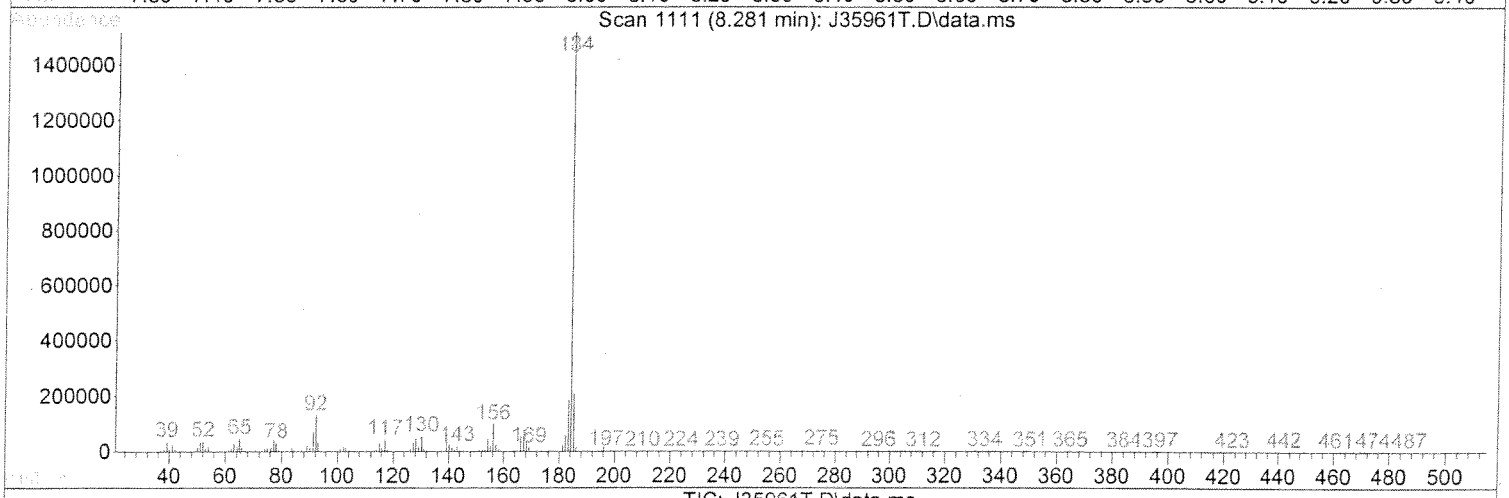
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

J922W





(3) Benzidine (TM)

8.281min (+0.001) 28.97ug/ml

response 1792770

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.35#
92.00	0.00	8.62#
0.00	0.00	0.00

9/23/10

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834
DFTPP File ID: D71801T.D
DFTPP Injection Date: 09/23/10
DFTPP Injection Time: 0:00

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71802SC.D	9/23/10 0:30
HEXANE W/IS	D71803.D	9/23/10 1:00
B092010EASE2,RR2	D71804B.D	9/23/10 1:30
67834-5,DL	D71813.D	9/23/10 6:00
67834-6,DL	D71814.D	9/23/10 6:29
S10042 ALI 40	D71815SC.D	9/23/10 7:29
S10042 ALI 40	D71816SC.D	9/23/10 7:59

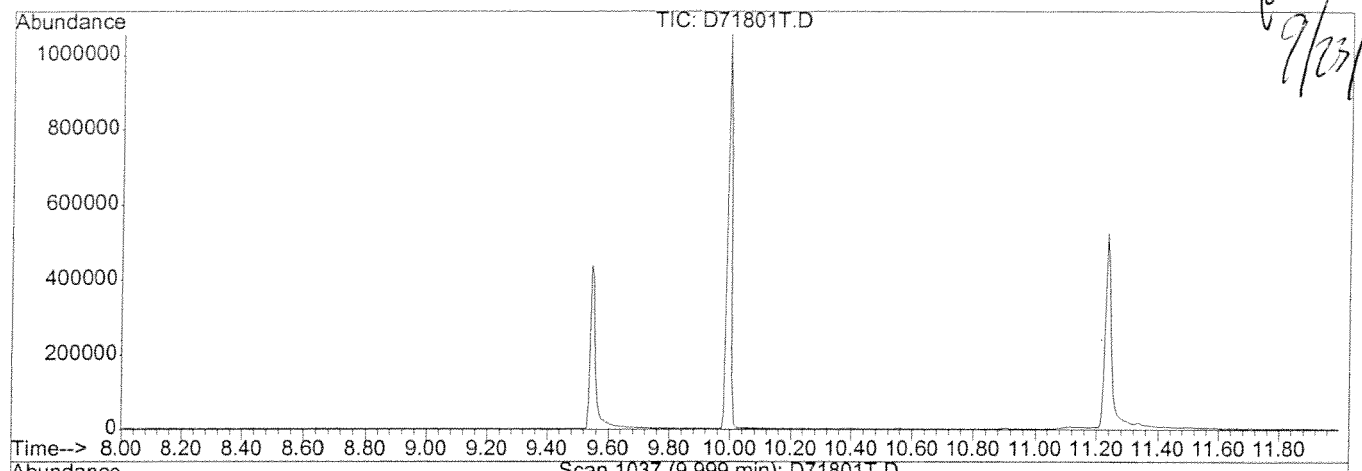
Refer to the DFTPP report D71801T.D for ion ratio evaluation.

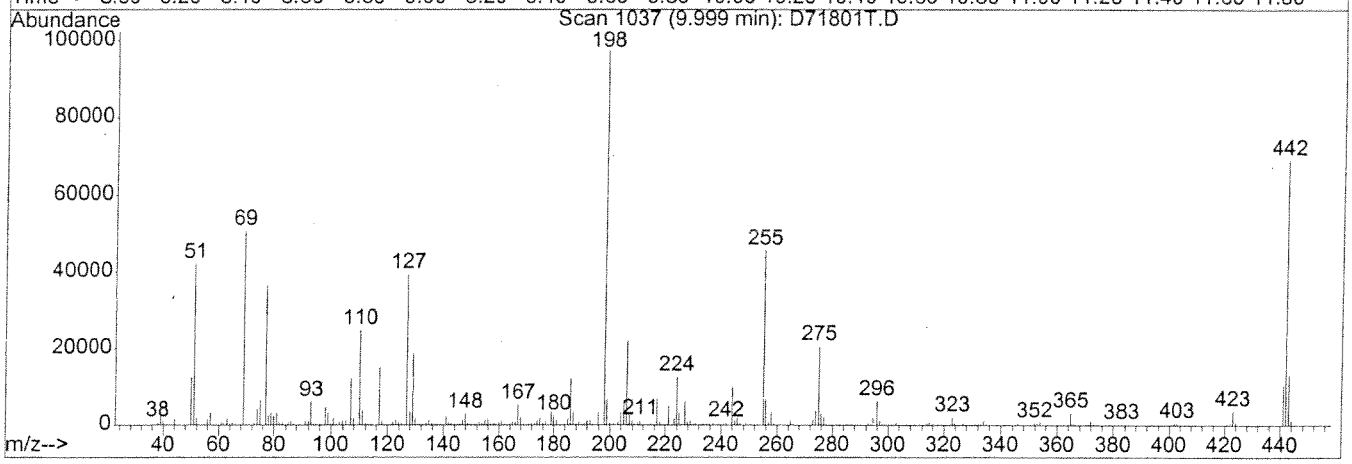
EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D Vial: 1
Acq On : 23 Sep 2010 12:00 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

9/23/10





Spectrum Information: Scan 1037

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	43.2	42088	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	52.1	50744	PASS
70	69	0.00	2	0.6	302	PASS
127	198	40	60	40.4	39352	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	97448	PASS
199	198	5	9	6.7	6509	PASS
275	198	10	30	21.1	20584	PASS
365	198	1	100	3.2	3132	PASS
441	443	0.01	100	79.7	10427	PASS
442	198	40	100	70.7	68904	PASS
443	442	17	23	19.0	13078	PASS

9/23/10

D71801T.D TUNMXEPH.M Thu Sep 23 03:27:34 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71801T.D**
Date Acquired **9/23/2010 12:00**

9/23/10

Name	Target Response
PENTACHLOROPHENOL	52425.00
BENZIDINE	280751.00
DDE	300.00
DDD	1750
DDT	190178

(0% - 20%)

%DDT BREAKDOWN = 1.07% **OK** ✓

9-23-10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D
Acq On : 23 Sep 2010 12:00 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

MK 9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

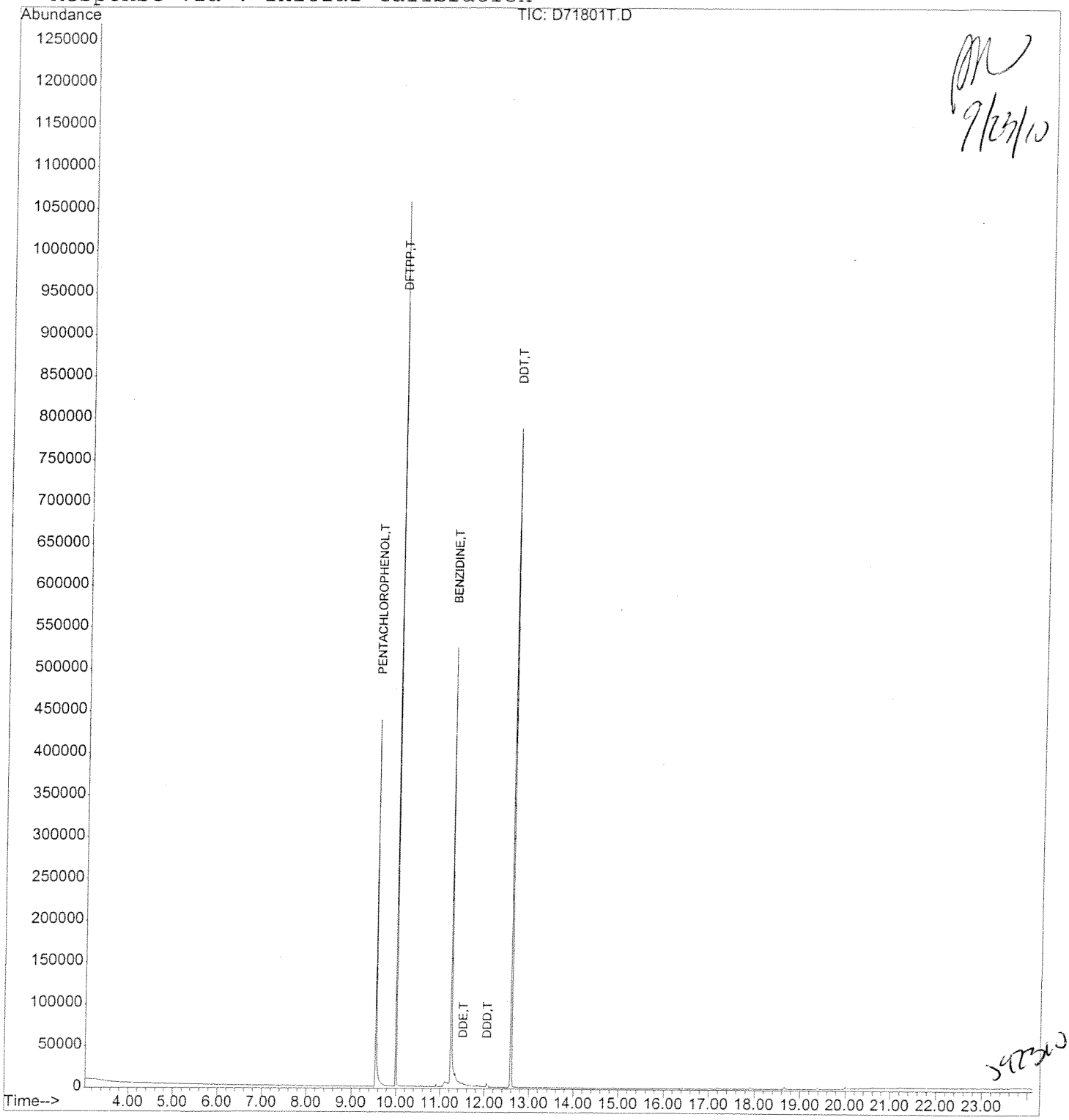
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.55	266	52425	20.80	UG/L	97
2) DFTPP	9.99	198	110926	36.31	ug/ml	97
3) BENZIDINE	11.23	184	280751	34.99	UG/L #	100
4) DDE	11.50	246	300	3.00	UG/L #	100
5) DDD	12.06	235	1750	17.50	UG/L	93
6) DDT	12.60	235	190178	42.09	UG/L	99

392360

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D Vial: 1
Acq On : 23 Sep 2010 12:00 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010 Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration



PM 9/23/10

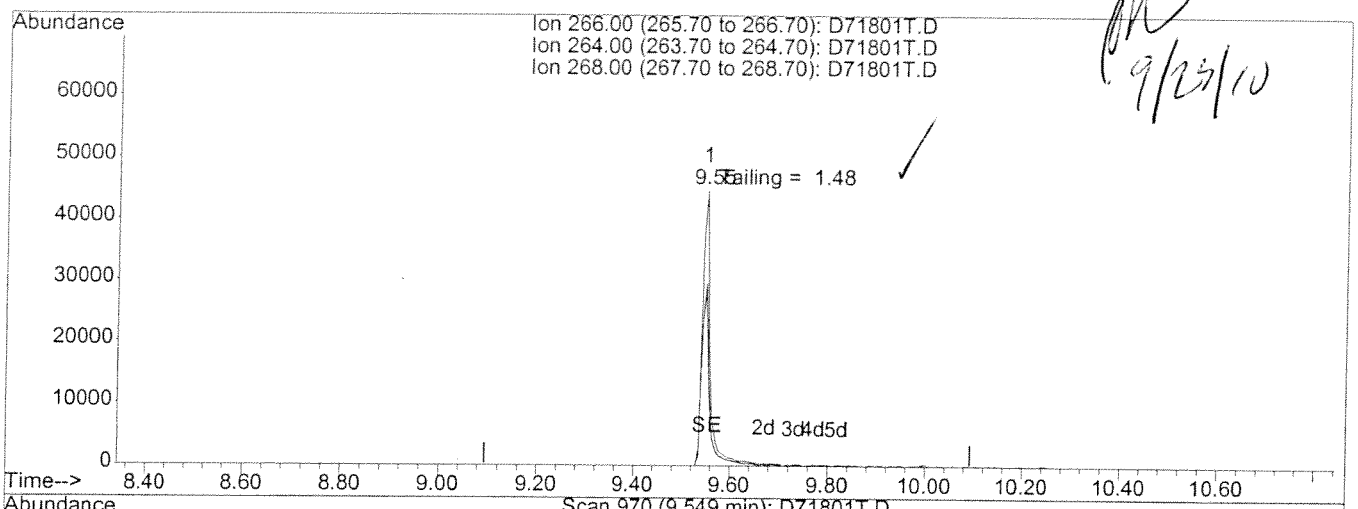
D71801T.D TUNMXEPH.M Thu Sep 23 03:28:44 2010 Page 2

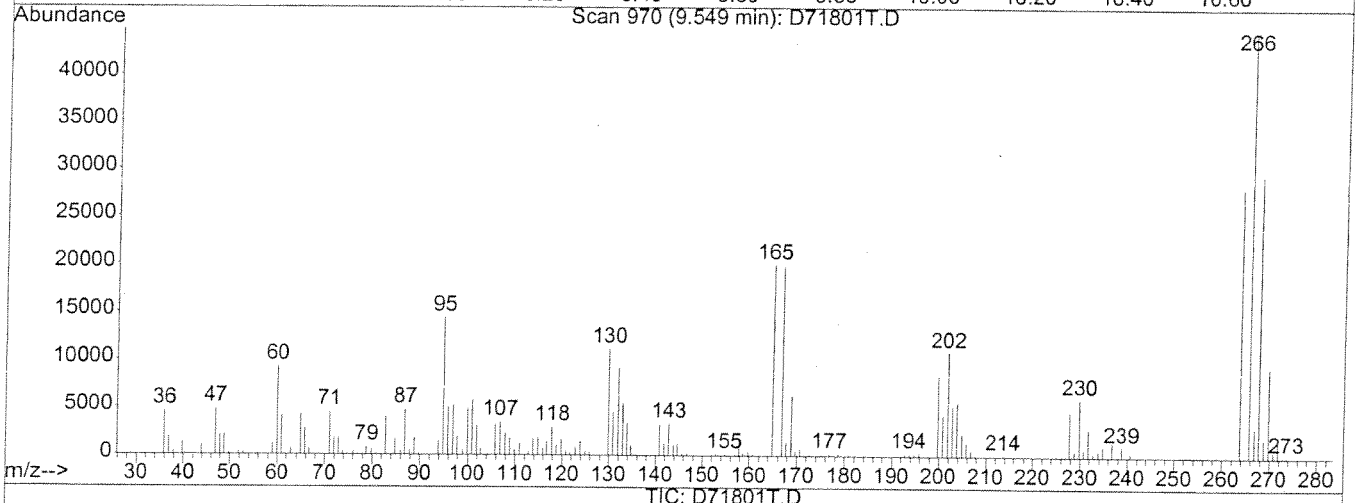
Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D
Acq On : 23 Sep 2010 12:00 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration





(1) PENTACHLOROPHENOL (T)

9.55min 20.80UG/L

response 52425

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	61.83
268.00	62.40	65.64
0.00	0.00	0.00

9/23/10

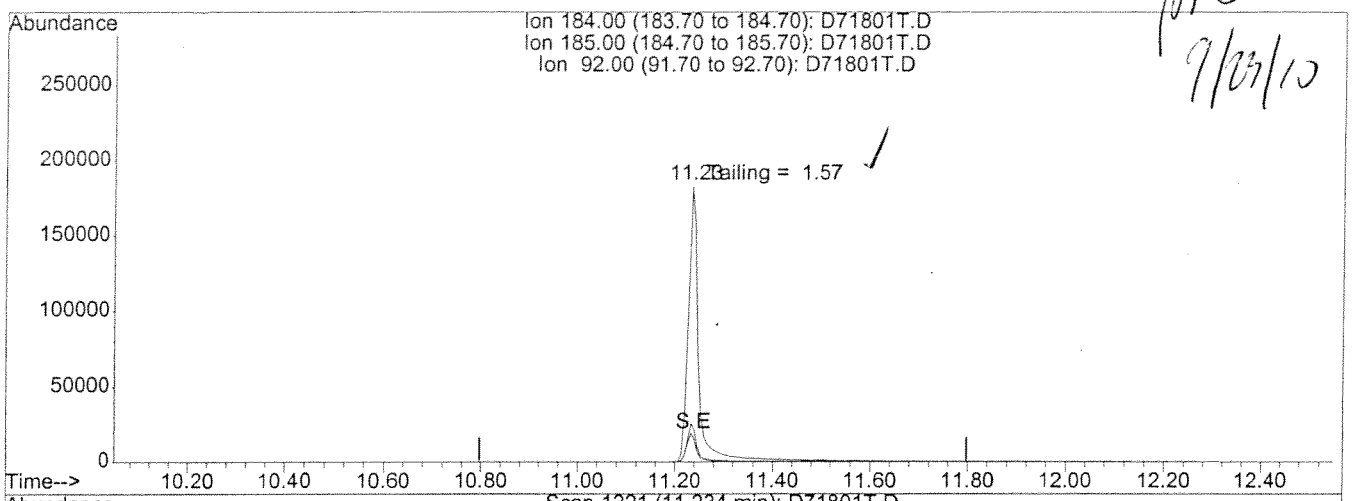
9/23/10

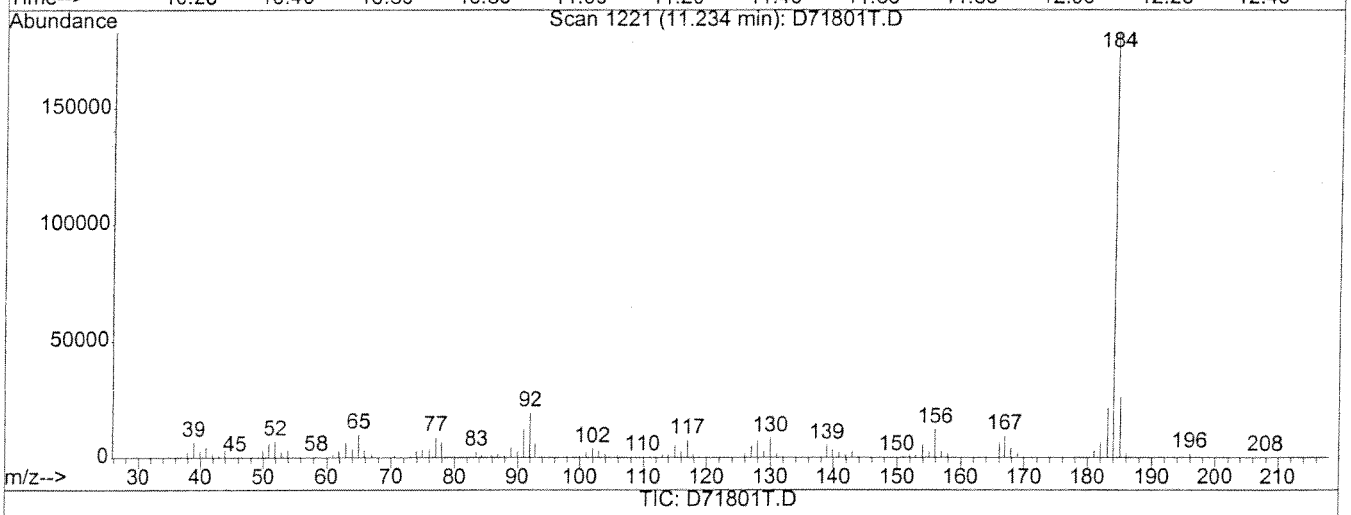
D71801T.D TUNMXEPH.M Thu Sep 23 03:30:35 2010

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D Vial: 1
Acq On : 23 Sep 2010 12:00 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/23/10





(3) BENZIDINE (T)

11.23min 34.99UG/L

response 280751

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.34#
92.00	0.00	10.48#
0.00	0.00	0.00

D72310

D71801T.D TUNMXEPH.M Thu Sep 23 03:30:42 2010

Response Factor Report GC/MS TMS

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010

N080560

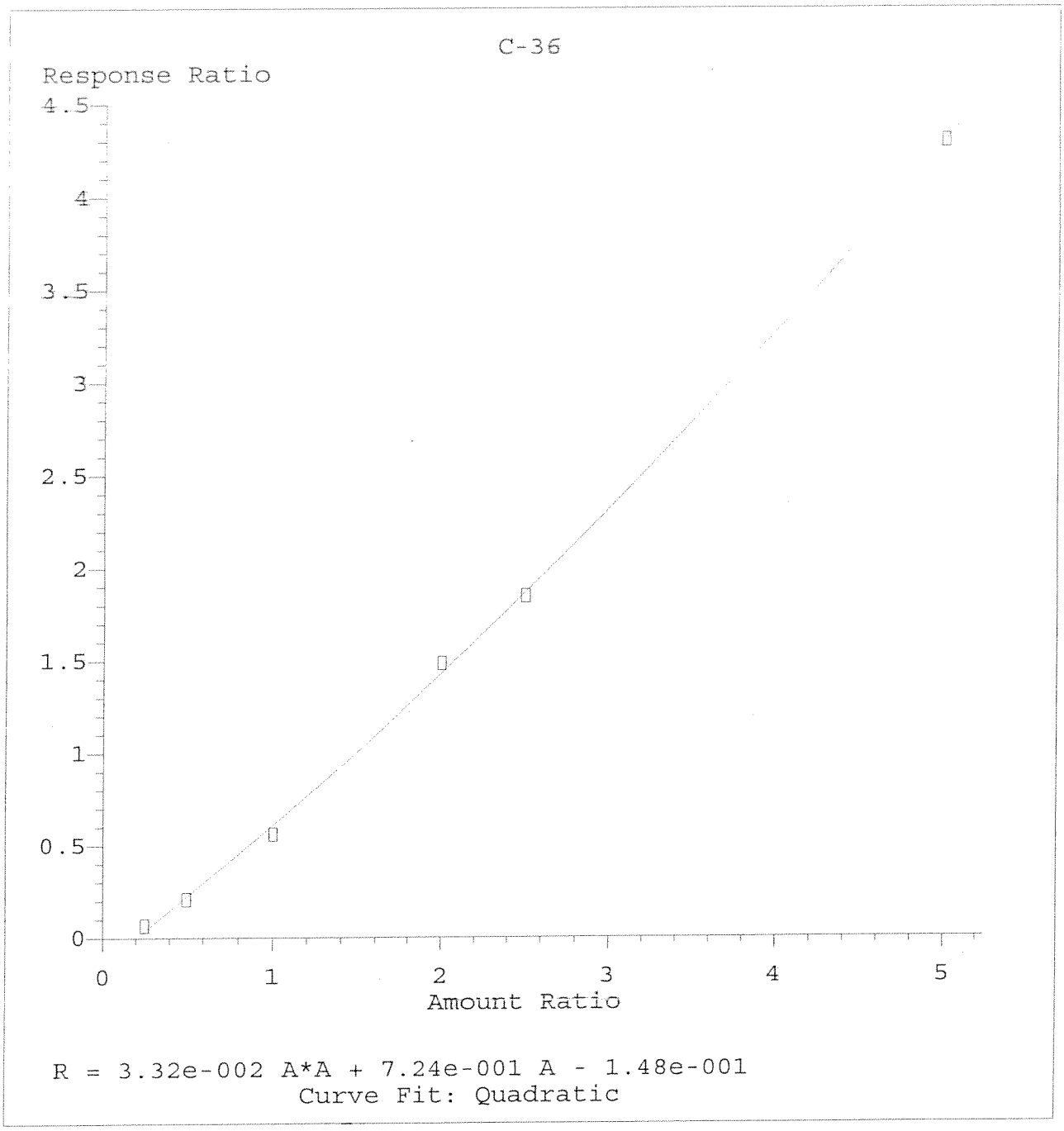
Calibration Files
5 =D71447SI.D 10 =D71448SI.D 20 =D71449SI.D
40 =D71450SI.D 50 =D71451SI.D 100 =D71452SI.D

		Compound	5	10	20	40	50	100	Avg		%RS
1)	I	5-alpha-Androstane	ISTD								
2)	TZM	C-9	1.183	1.207	1.210	1.297	1.278	1.277	1.242	0	3.8
3)	TZM	C-10	1.208	1.243	1.232	1.328	1.325	1.283	1.270	0	3.9
4)	TZM	C-12	1.226	1.320	1.372	1.449	1.422	1.394	1.364	0	5.9
5)	TZM	C-14	1.287	1.336	1.376	1.498	1.486	1.410	1.399	0	5.9
6)	TZM	C-16	1.221	1.308	1.370	1.410	1.411	1.381	1.350	0	5.4
7)	TZM	C-18	1.202	1.290	1.351	1.451	1.435	1.329	1.343	0	6.8
8)	XH	C9-C18 ✓	1.221	1.284	1.319	1.405	1.393	1.346	1.328	0	5.2
9)	TZM	C-19	1.201	1.280	1.351	1.418	1.425	1.296	1.329	0	6.5
10)	TZM	C-20	1.160	1.240	1.286	1.445	1.394	1.287	1.302	0	7.9
11)	S	1-Chlorooctadecane	1.087	1.167	1.211	1.310	1.301	1.288	1.227	0	7.2
12)	TZM	C-22	1.146	1.251	1.294	1.401	1.365	1.282	1.290	0	6.9
13)	TZM	C-24	0.999	1.219	1.235	1.377	1.347	1.251	1.238	0	10.7
14)	TZM	C-26	0.897	1.133	1.184	1.311	1.208	1.147	1.147	0	12.0
15)	TZM	C-28	0.701	0.966	1.045	1.149	1.115	1.062	1.006	0	16.1
16)	TZM	C-30	0.584	0.821	0.931	1.078	1.043	0.979	0.906	0	20.0
[illegible]	TZM	C-36	0.268	0.418	0.560	0.742	0.740	0.860	0.598	0	37.5
[illegible])	XH	C19-C36 ✓	0.869	1.041	1.111	1.240	1.205	1.145	1.102	0	12.1

✓ PM 8/5/10

(#) = Out of Range

N080510



Method Name: D:\HPCHEM\1\METHODS\ALG80410.M
Calibration Table Last Updated: Thu Aug 05 08:16:42 2010

JDN 8/5/10

GC ALIPHATIC
2ND SOURCE CHECK

Data File Name D71453.D
Sample Name S9715-ALI 20 ICV
Date Acquired 8/5/2010 5:21

N080410

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
C-9	20.65	20	103%	OK	20.65		
C-10	21.26	20	106%	OK	21.26		
C-12	22.50	20	113%	OK	22.50		
C-14	21.19	20	106%	OK	21.19		
C-16	21.45	20	107%	OK	21.45		
C-18	20.57	20	103%	OK	20.57		
C9-C18		120			**127.62**	106%	OK
C-19	20.54	20	103%	OK	20.54		
C-20	21.18	20	106%	OK	21.18		
C-22	21.05	20	105%	OK	21.05		
C-24	20.76	20	104%	OK	20.76		
C-26	20.40	20	102%	OK	20.40		
C-28	21.22	20	106%	OK	21.22		
C-30	20.68	20	103%	OK	20.68		
C-36	18.98	20	95%	OK	18.98		
C19-C36		160			**164.81**	103%	OK
1-Chlorooctadecane	19.20	20	96%	OK			

JM 8/5/10

8/5/10 8:18 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ALGICVSUMPRCT.CRT

Response Factor Report Instrument 1

Method Path : C:\msdchem\1\METHODS\
Method File : ARM092110.M
Title : EPH MS AROMATICS
Last Update : Wed Sep 22 03:42:32 2010
Response Via : Initial Calibration

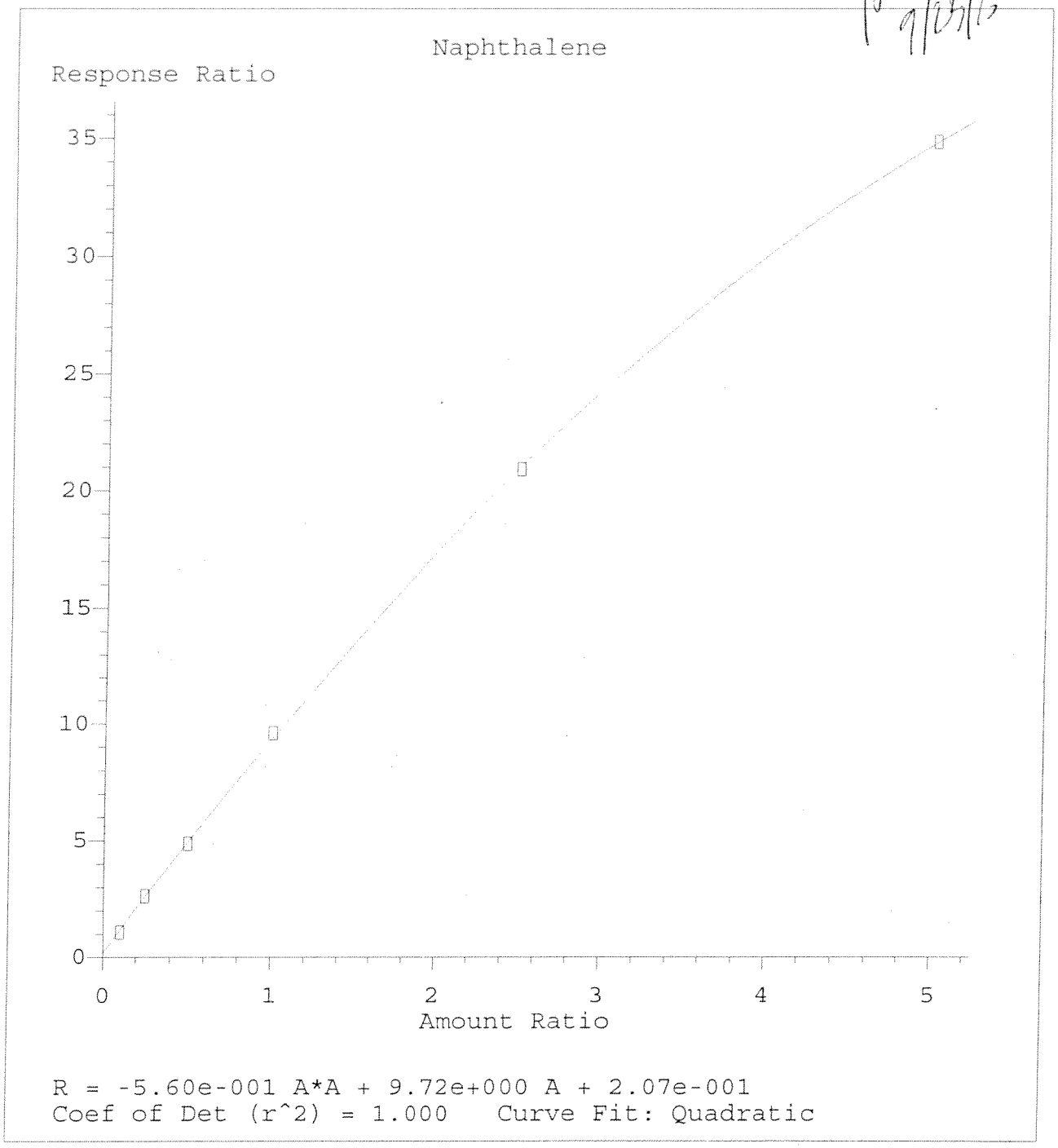
AM 9/22/10

Calibration Files
2 =J35922SI.D 5 =J35923SI.D 10 =J35924SI.D 20 =J35925SI.D
50 =J35926SI.D 100 =J35927SI.D

		Compound	2	5	10	20	50	100	Avg		%RSD
1)	I	5-alpha-Androstane	----------ISTD----------								
2)	TM	Naphthalene	1.078	1.052	0.973	0.960	0.835	0.697	0.932	E1	15.38
3)	TM	2-Methylnaphth...	6.259	5.925	5.422	5.362	4.575	3.830	5.229		17.08
4)	TM	Acenaphthylene	1.150	1.143	1.057	1.036	0.897	0.757	1.007	E1	15.19
5)	TM	Acenaphthene	6.505	6.218	5.722	5.603	4.829	3.988	5.477		16.97
6)	TM	Fluorene	8.263	7.856	7.458	7.263	6.141	5.208	7.031		16.28
7)	TM	Phenanthrene	1.156	1.163	1.086	1.045	0.891	0.742	1.014	E1	16.34
8)	TM	Anthracene	1.213	1.166	1.087	1.043	0.879	0.737	1.021	E1	17.71
9)	S	2-Fluorobiphenyl	8.587	8.314	7.842	7.733	6.949	5.967	7.565		12.74
10)	S	2-Bromonaphtha...	3.897	3.801	3.556	3.480	3.220	2.807	3.460		11.57
11)	S	o-terphenyl	6.812	6.639	6.306	6.054	5.591	4.946	6.058		11.49
12)	TM	Fluoranthene	1.350	1.270	1.226	1.164	0.957	0.833	1.133	E1	17.47
13)	TM	Pyrene	1.399	1.320	1.266	1.203	1.017	0.878	1.180	E1	16.66
14)	TM	Benzo[a]anthra...	1.065	1.043	1.003	0.968	0.865	0.793	0.956	E1	11.13
15)	TM	Chrysene	1.090	1.044	0.988	0.934	0.828	0.726	0.935	E1	14.65
16)	TM	Benzo[b] fluor...	8.919	8.719	8.495	8.623	7.987	7.653	8.399		5.73
17)	TM	Benzo[k] fluor...	9.731	9.088	8.920	8.240	7.343	6.574	8.316		14.18
18)	TM	Benzo[a] pyrene	8.722	8.531	8.291	8.163	7.362	6.972	8.007		8.61
19)	TM	Indeno [1,2,3-...	6.646	6.585	6.314	6.456	6.362	6.218	6.430		2.55
20)	TM	Dibenz [a,h] a...	6.509	5.989	6.262	6.305	6.286	5.567	6.153		5.39
21)	TM	Benzo(g,h,i) ...	7.605	7.496	7.111	6.965	6.752	5.797	6.954		9.37
22)		c11-c22							0.000#		-1.00

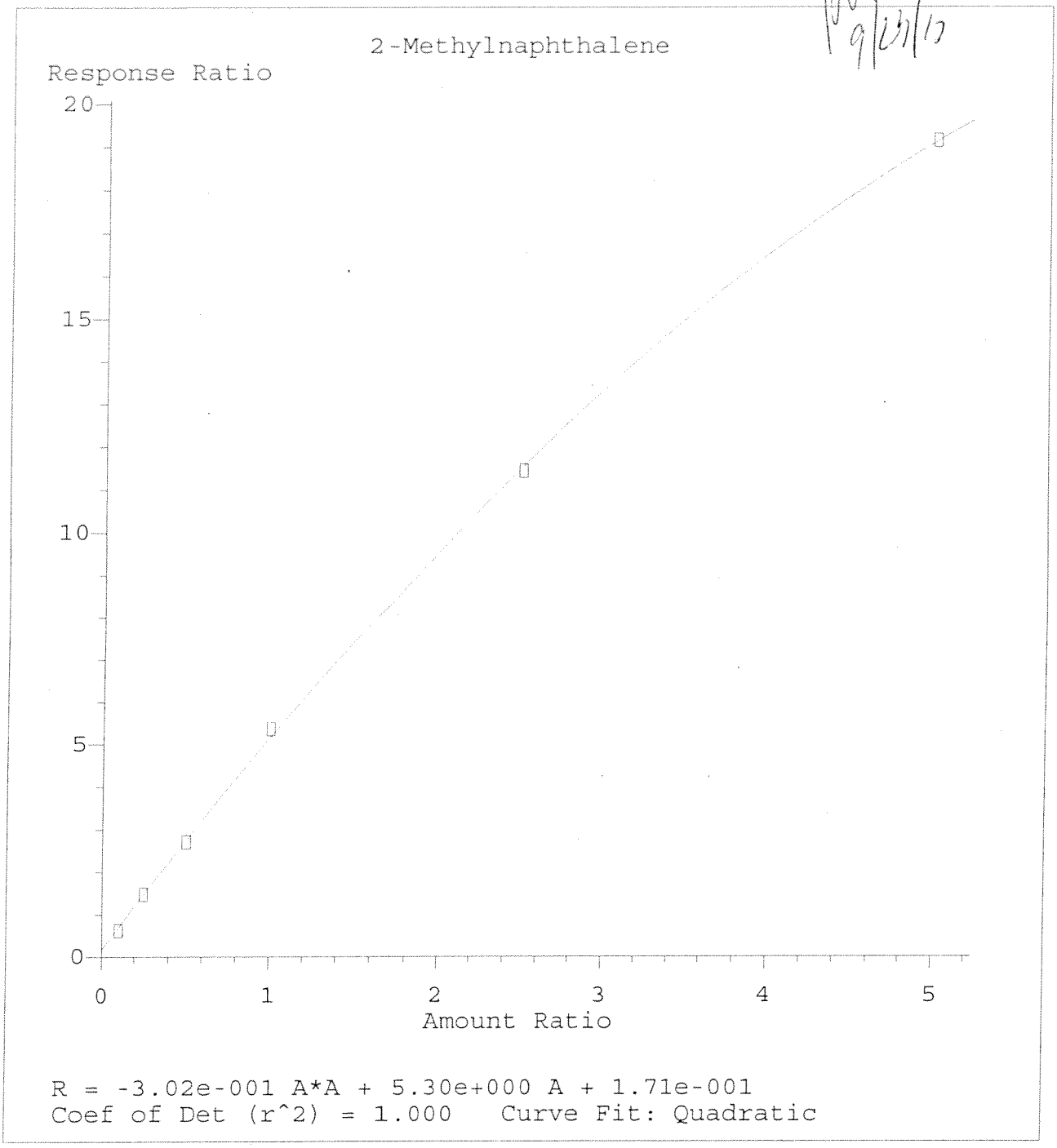
(#) = Out of Range

J92210



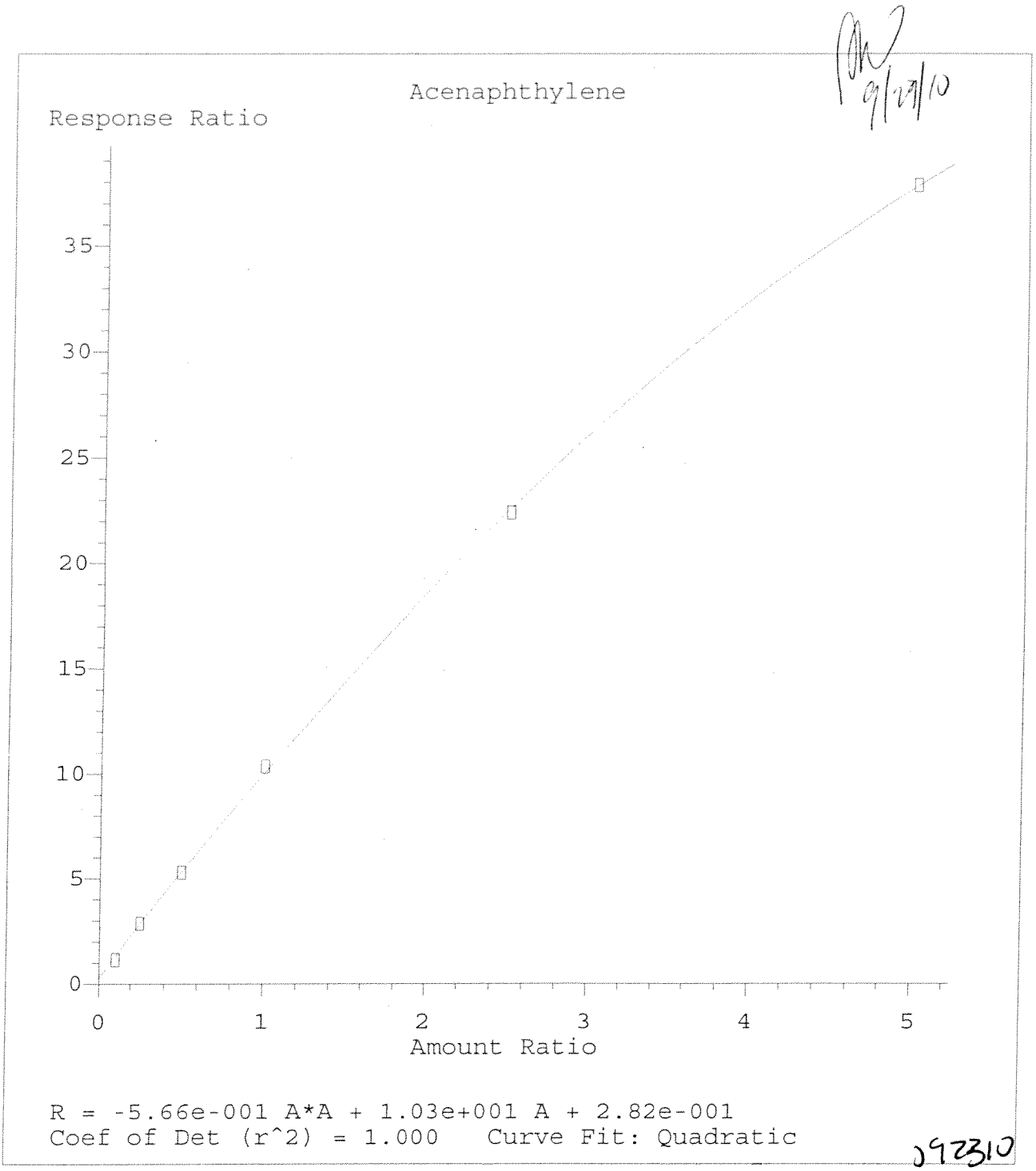
Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:26 2010

9/23/10

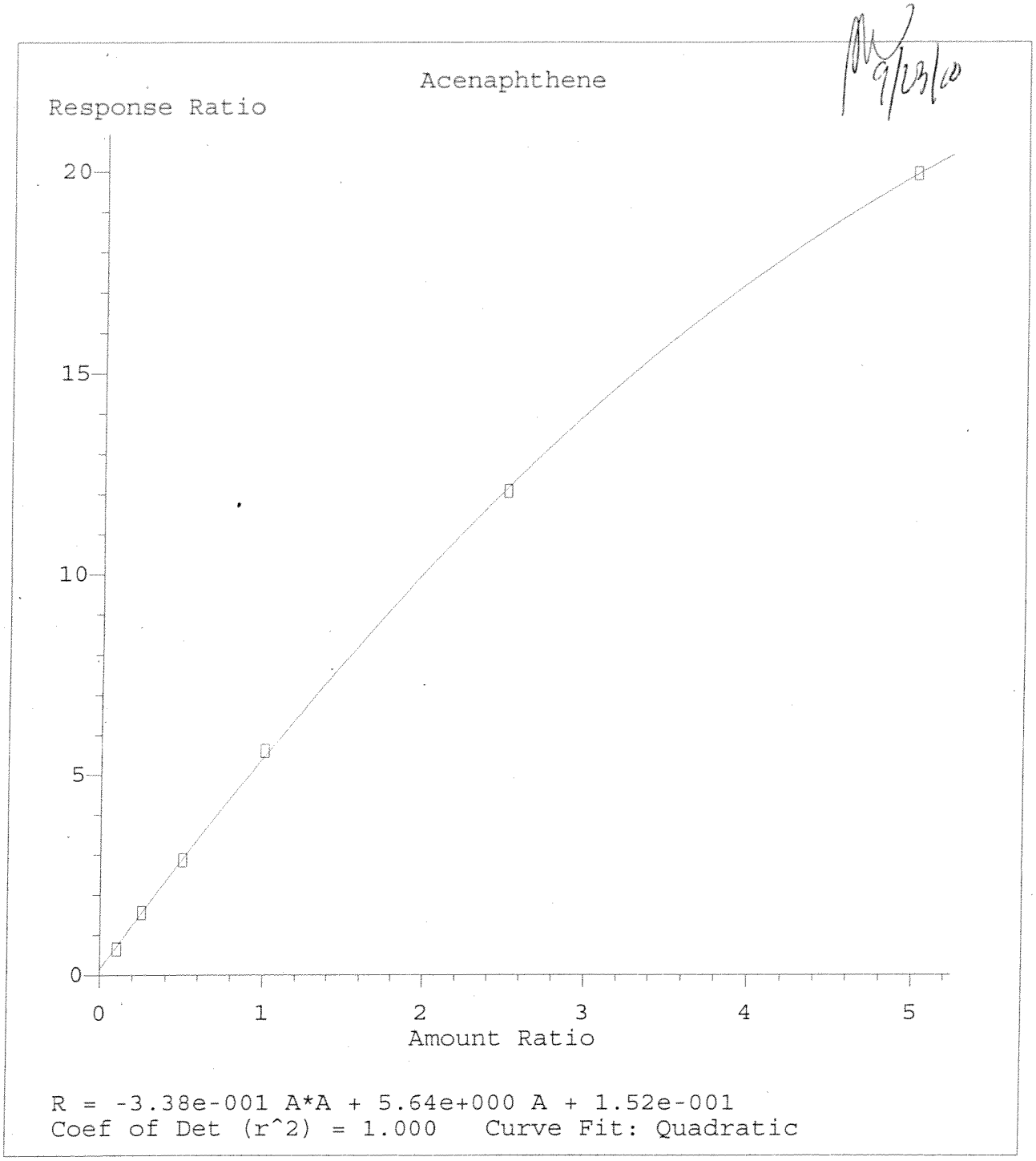


Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:45 2010

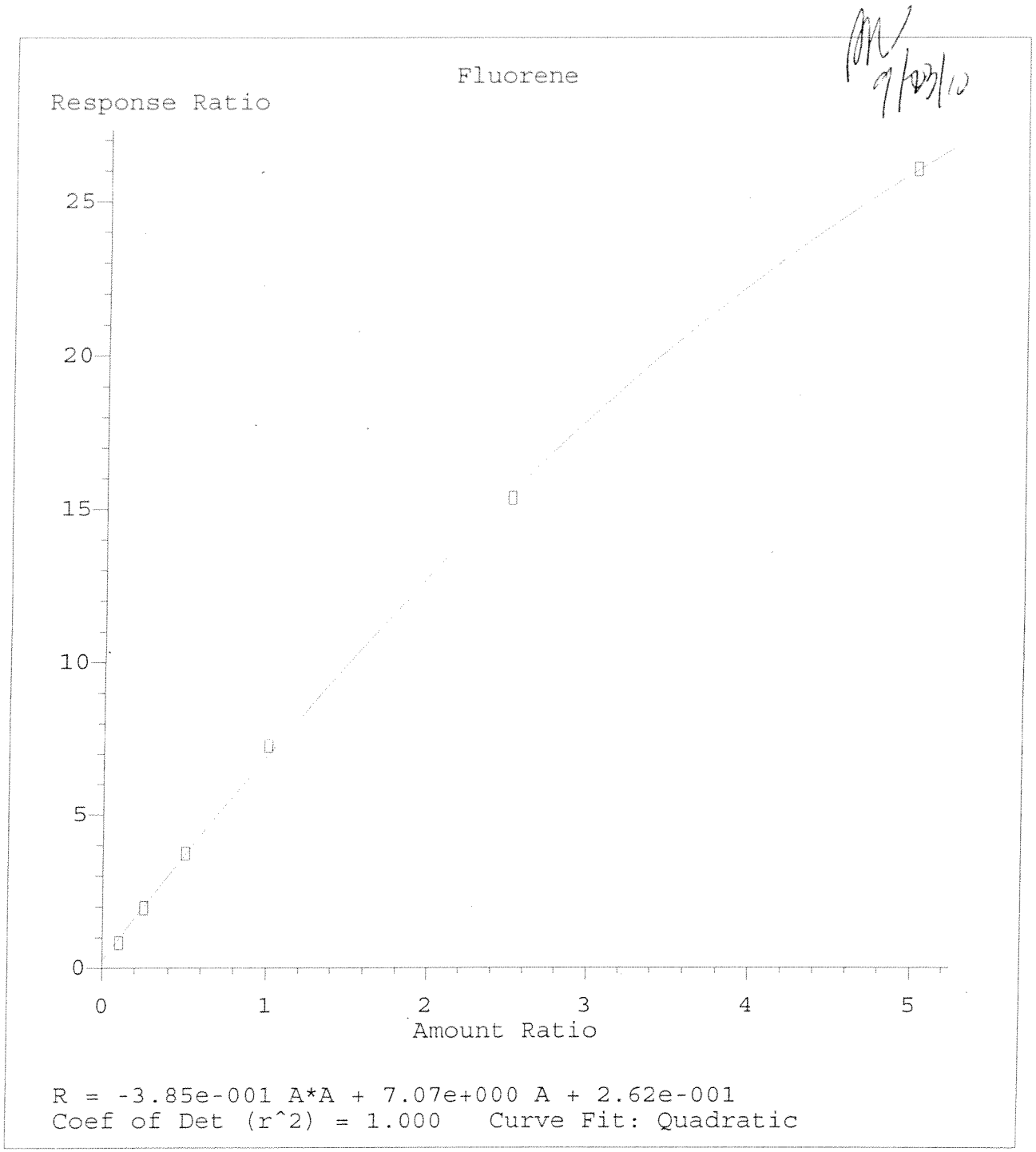
S9231U



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:51 2010

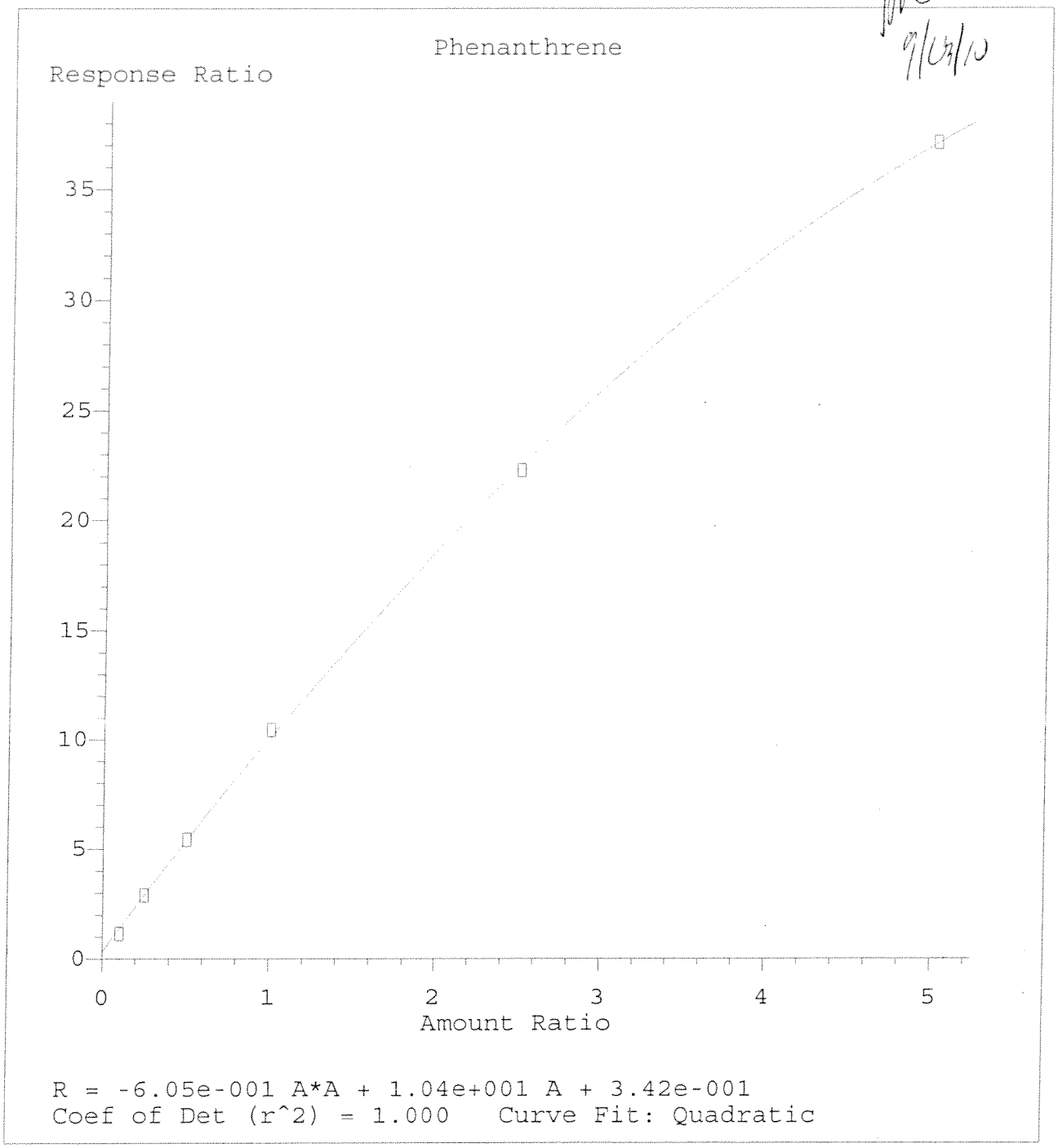


Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:57 2010



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:02 2010

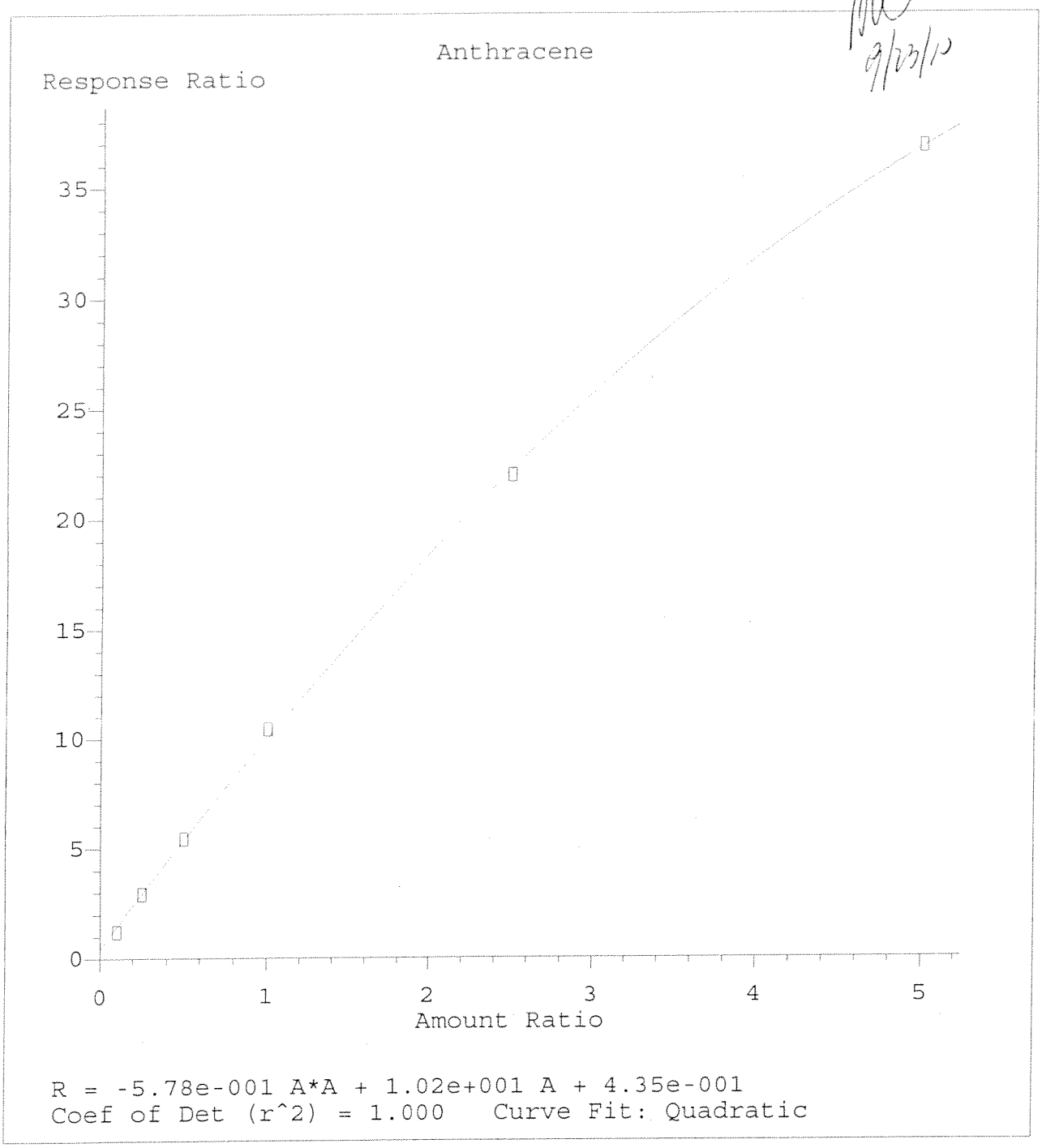
9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:07 2010

092310

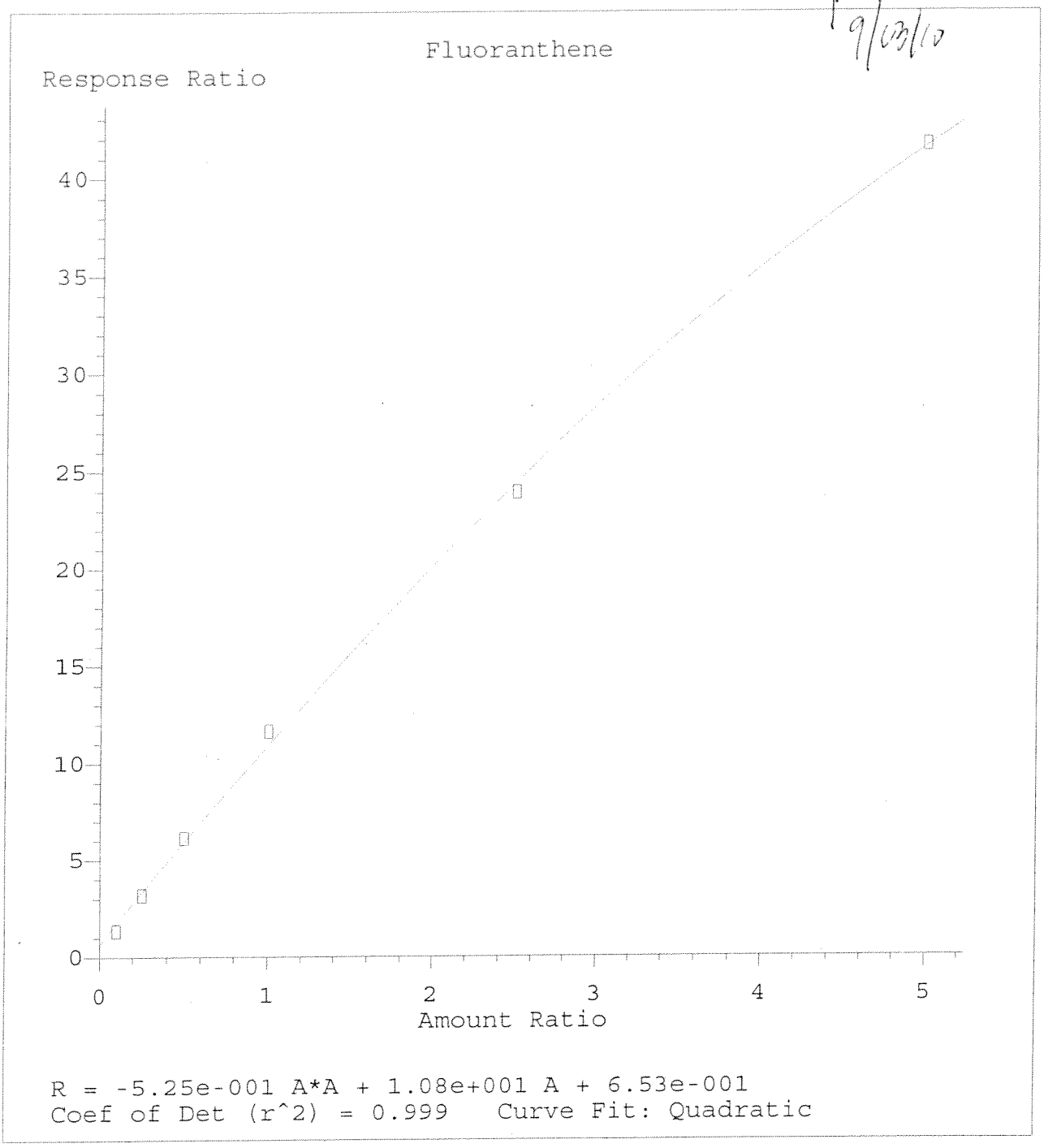
9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:13 2010

S92310

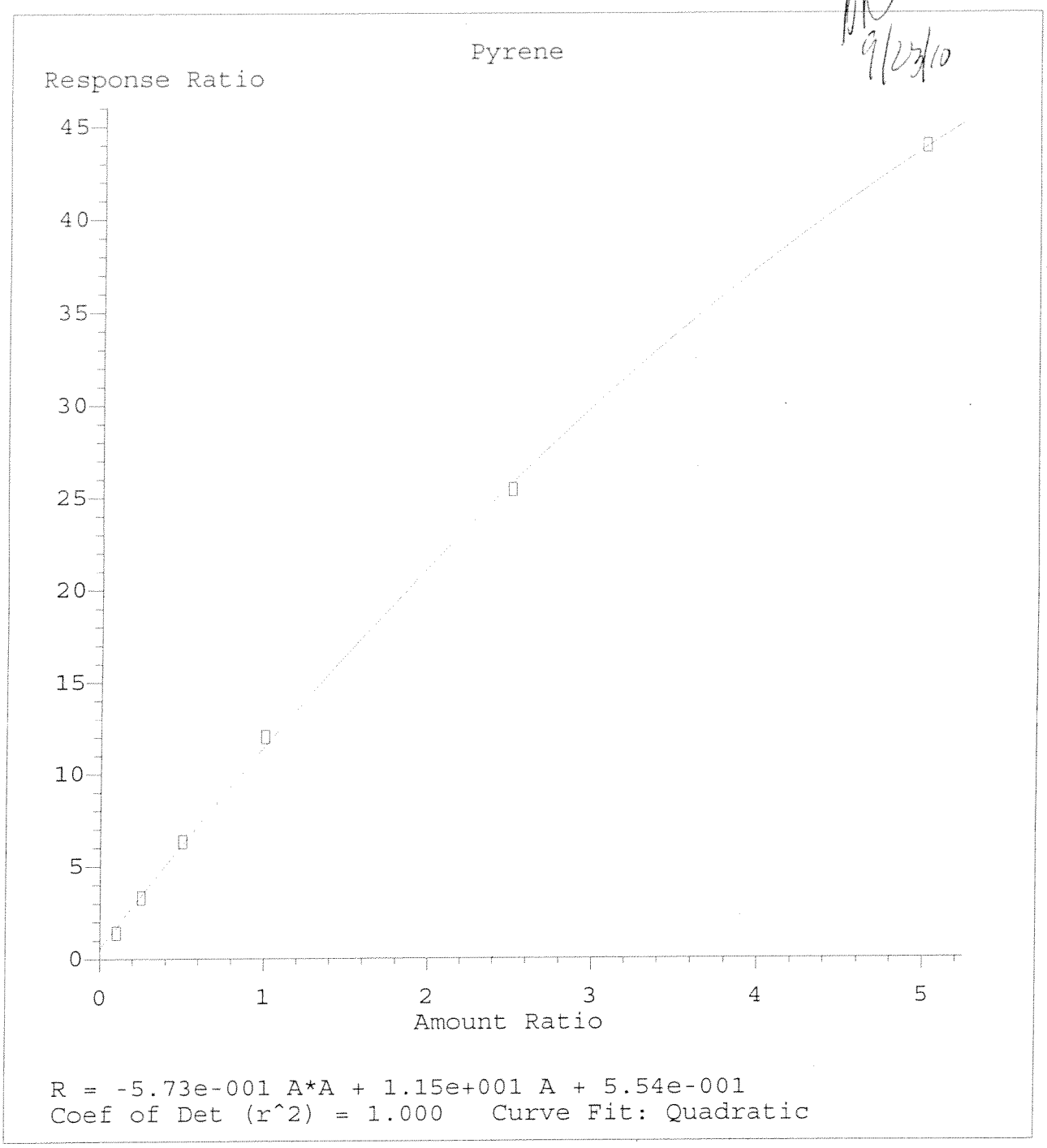
PN 9/03/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:19 2010

SY23W

MV 9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:27 2010

SG 23 10

MS AROMATIC
2ND SOURCE
CHECK

Data File Name J35928.D
Sample Name S9716 ARO 20 ICV
Date Acquired 9/22/2010 3:45

PN 9/22/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.22	20	106%	OK
2-Methylnaphthalene	21.96	20	110%	OK
Acenaphthylene	21.04	20	105%	OK
Acenaphthene	21.66	20	108%	OK
Fluorene	21.32	20	107%	OK
Phenanthrene	21.23	20	106%	OK
Anthracene	21.72	20	109%	OK
o-terphenyl	18.42	20	92%	OK
Fluoranthene	21.85	20	109%	OK
Pyrene	20.90	20	104%	OK
Benzo[a]anthracene	18.71	20	94%	OK
Chrysene	19.70	20	99%	OK
Benzo[b] fluoranthene	18.55	20	93%	OK
Benzo[k] fluoranthene	18.92	20	95%	OK
Benzo[a] pyrene	19.32	20	97%	OK
Indeno [1,2,3-cd] pyrene	18.66	20	93%	OK
Dibenz [a,h] anthracene	18.67	20	93%	OK
Benzo(g,h,i) perylene	18.35	20	92%	OK

S9230

9/22/2010 4:03 AM

Method Path : C:\msdchem\1\METHODS\
Method File : ARG092110.M
Title : EPH GC AROMATICS
Last Update : Wed Sep 22 04:48:18 2010
Response Via : Initial Calibration

9/23/10

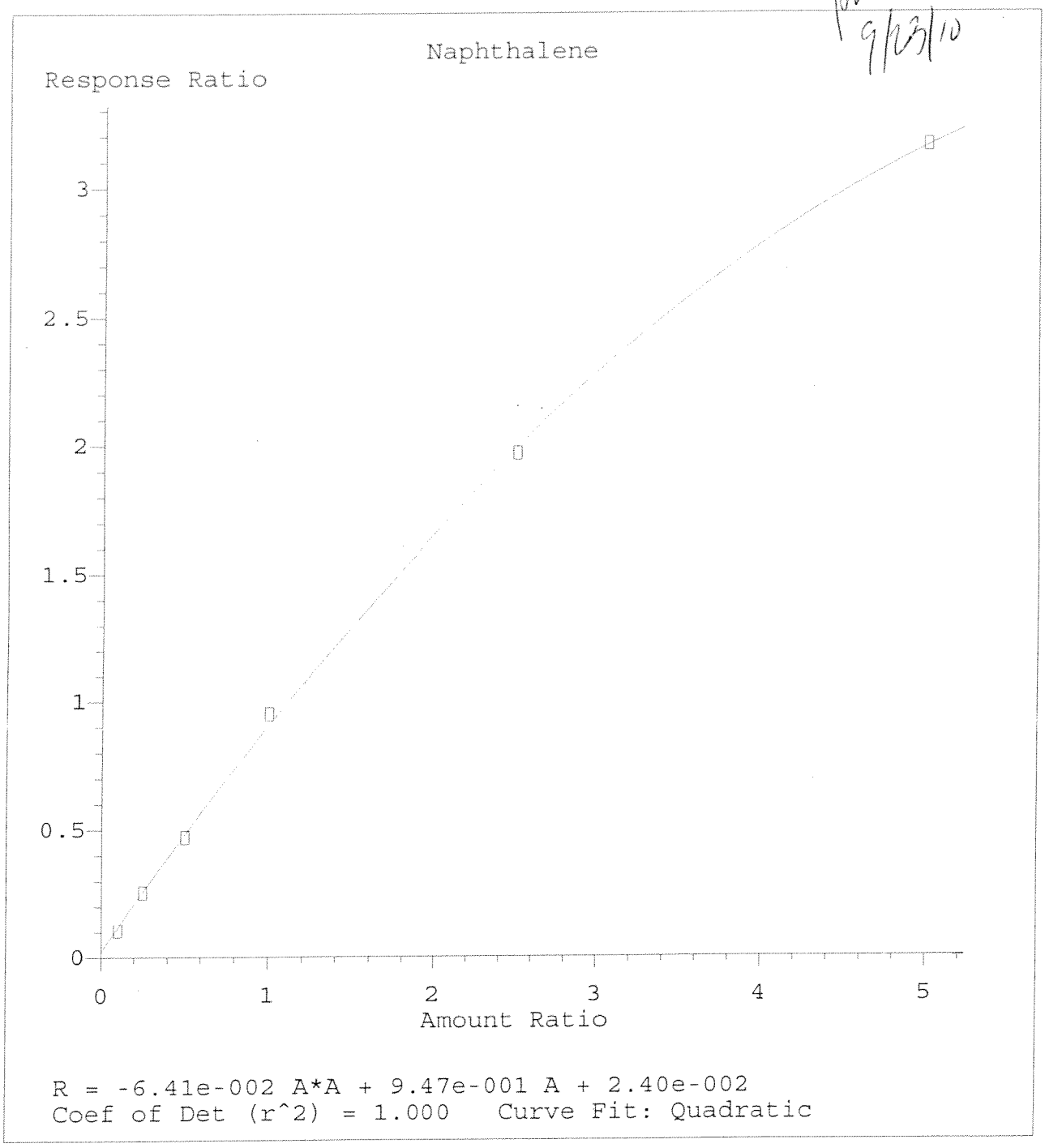
Calibration Files
2 =J35922SI.D 5 =J35923SI.D 10 =J35924SI.D
20 =J35925SI.D 50 =J35926SI.D 100 =J35927SI.D

		Compound	2	5	10	20	50	100	Avg	%RSD
1)	I	5-alpha-Androstane	ISTD							
2)	TZ	Naphthalene	1.061	1.017	0.942	0.951	0.787	0.632	0.898	17.83 Q
3)	TZ	2-Methylnapht...	1.120	1.022	0.966	0.966	0.787	0.635	0.916	19.13
4)	TZ	Acenaphthylene	1.108	1.090	0.996	0.993	0.828	0.674	0.948	17.62
5)	TZ	Acenaphthene	1.401	1.230	1.093	1.065	0.870	0.699	1.060	23.59
6)	TZ	Fluorene	1.296	1.201	1.077	1.089	0.904	0.727	1.049	19.56
7)	TZ	Phenanthrene	1.258	1.241	1.141	1.127	0.916	0.729	1.069	19.30
8)	TZ	Anthracene	1.281	1.221	1.067	1.075	0.851	0.690	1.031	21.70
9)	S	2-Fluorobiphenyl	1.143	1.098	1.017	1.049	0.882	0.727	0.986	15.72
10)	S	2-Bromonaphth...	0.742	0.843	0.800	0.817	0.731	0.608	0.757	11.18
11)	S	o-terphenyl	1.634	1.537	1.366	1.322	1.158	0.946	1.327	18.87 Q
12)	TZ	Fluoranthene	1.500	1.335	1.257	1.217	0.966	0.817	1.182	21.11
13)	TZ	Pyrene	1.428	1.342	1.277	1.250	1.022	0.847	1.194	18.22
14)	TZ	Benzo[a]anthr...	1.170	1.137	1.085	1.079	0.942	0.813	1.038	12.99
15)	TZ	Chrysene	1.250	1.231	1.149	1.119	0.939	0.777	1.078	17.10
16)	TZ	Benzo[b] fluo...	1.143	1.034	0.965	0.969	0.868	0.790	0.961	12.87
17)	TZ	Benzo[k] fluo...	1.132	1.064	1.010	0.968	0.861	0.716	0.959	15.65
18)	TZ	Benzo[a] pyrene	0.964	0.952	0.975	0.969	0.839	0.754	0.909	10.08
19)	TZ	Indeno [1,2,3...	0.794	0.768	0.746	0.768	0.732	0.779	0.765	2.96
20)	TZ	Dibenz [a,h] ...	1.076	0.985	0.920	0.866	0.753	0.495	0.849	24.12
21)	TZ	Benzo(g,h,i)...	0.951	0.959	0.889	0.872	0.804	0.670	0.857	12.58
22)	XH	c11-c22	1.173	1.107	1.033	1.020	0.863	0.720	0.986	✓16.89

(#) = Out of Range

J92310

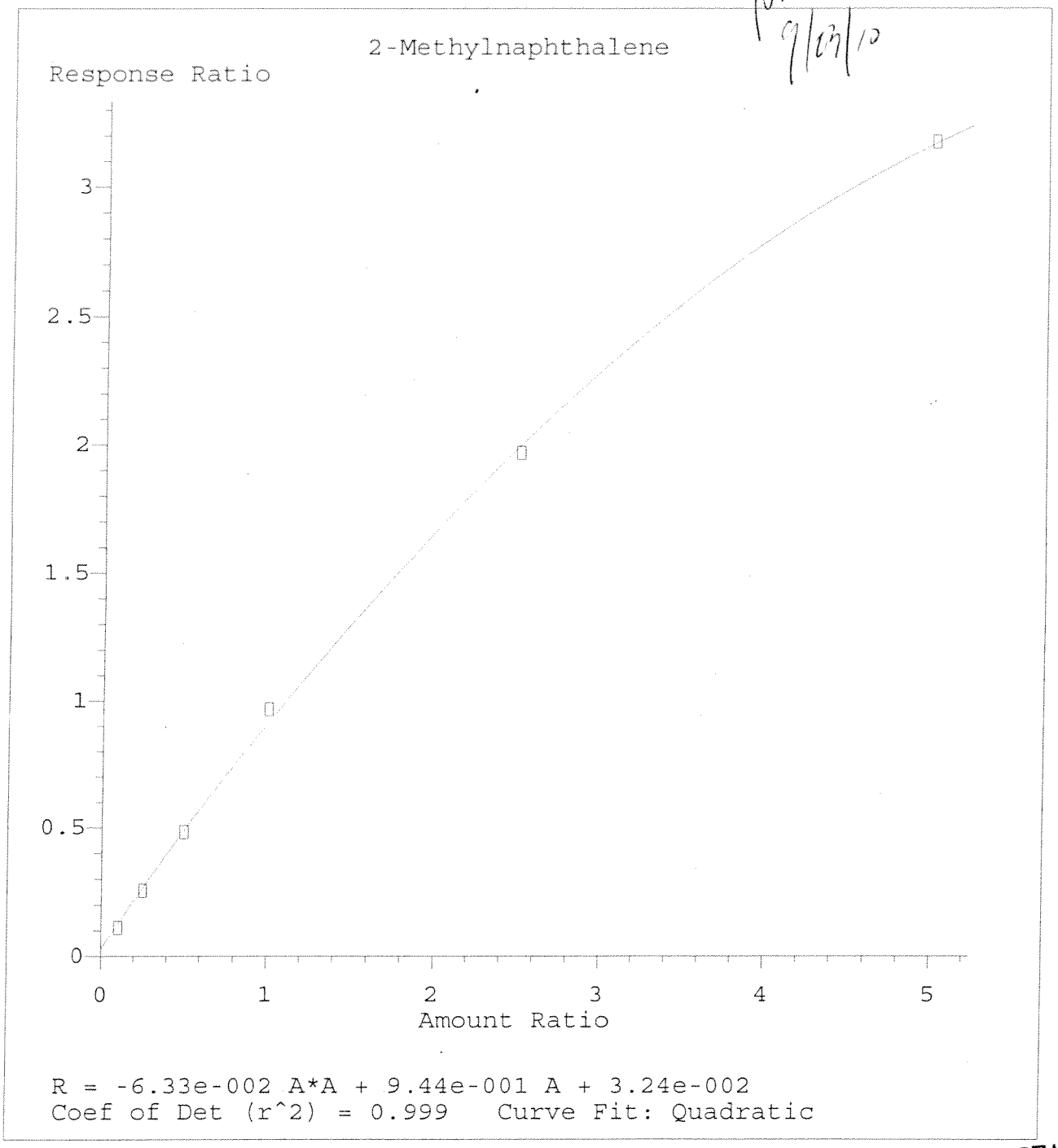
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:40:33 2010

J9230

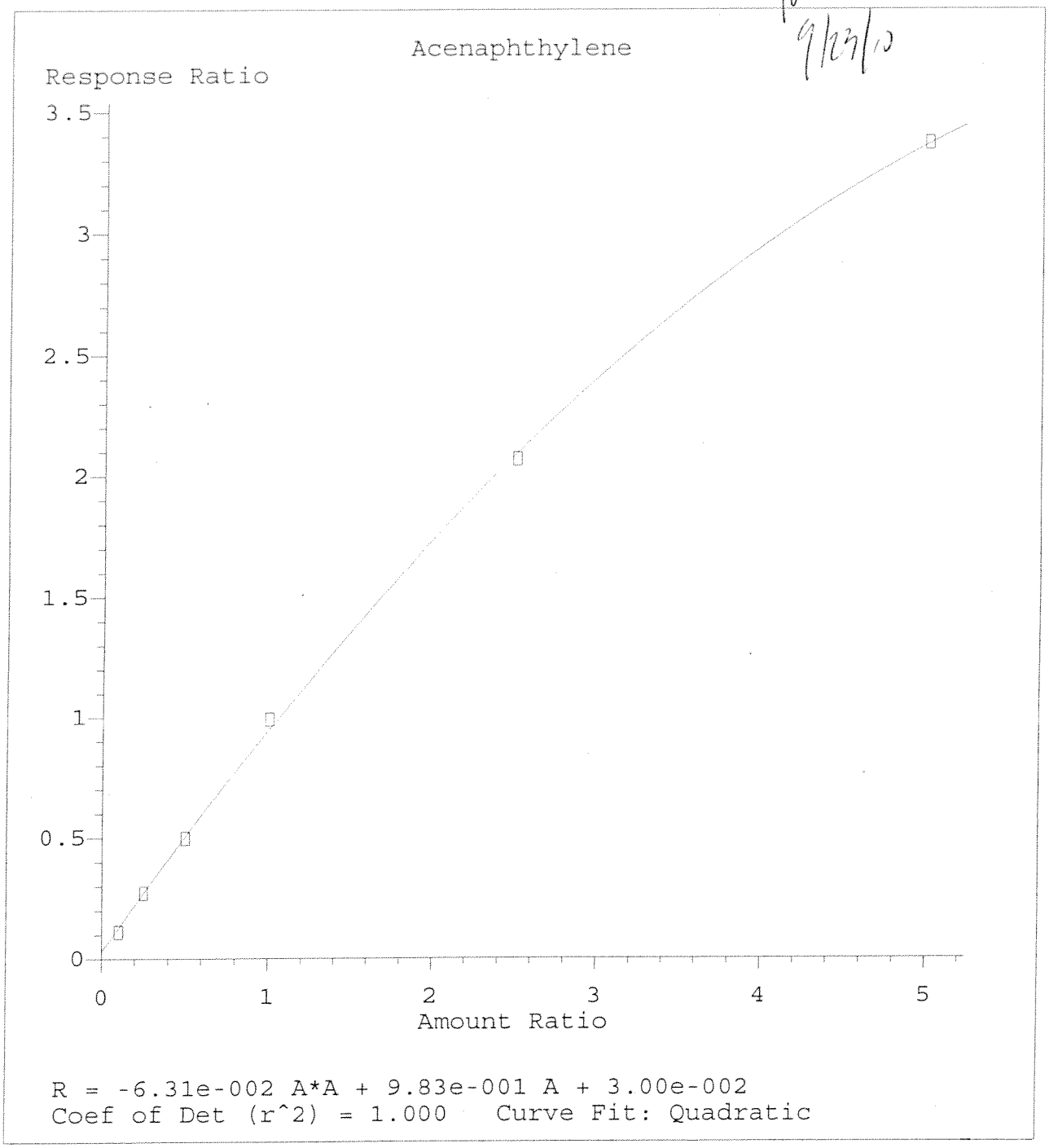
9/23/10



JY2310

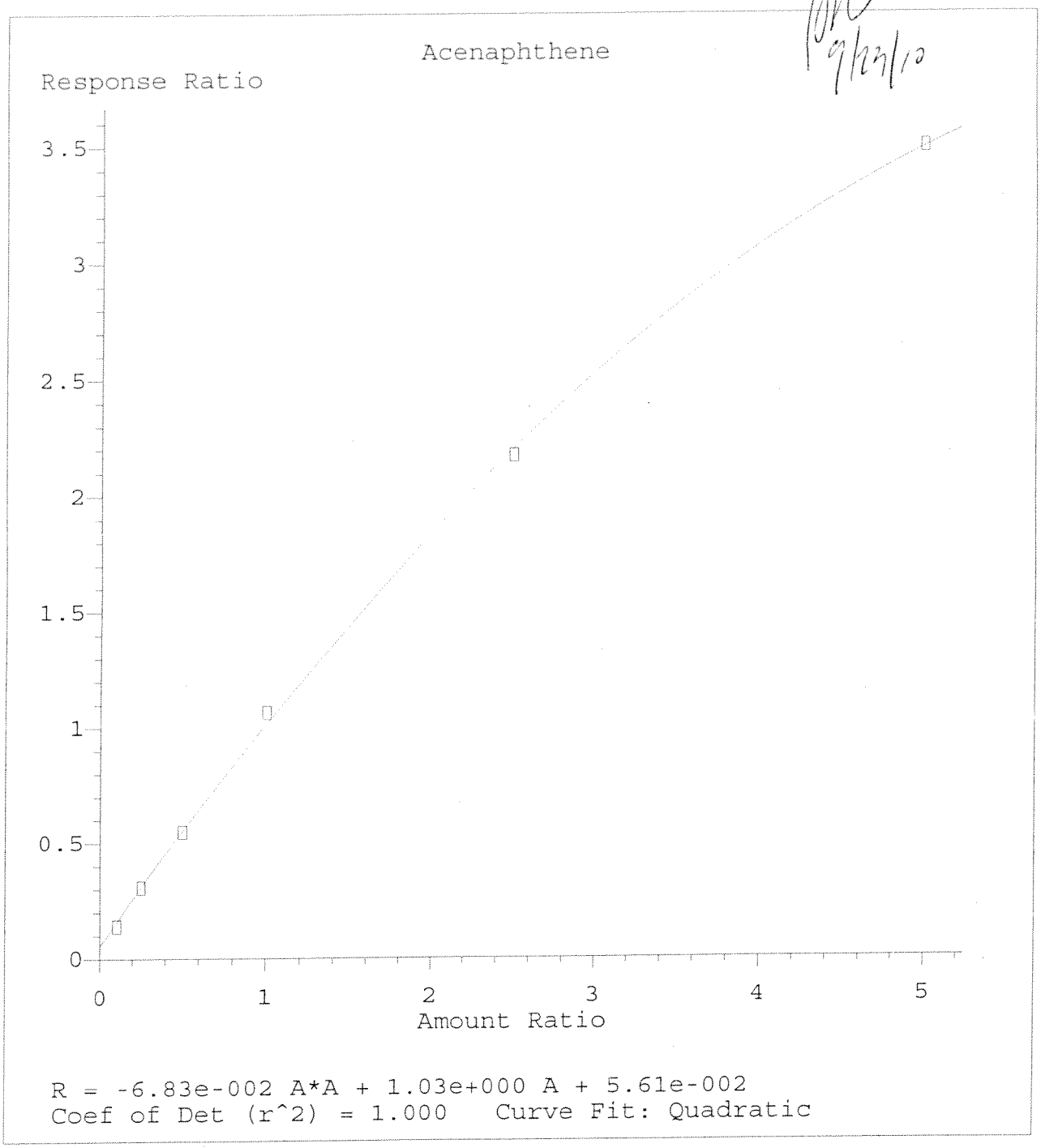
Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:01 2010

9/23/10



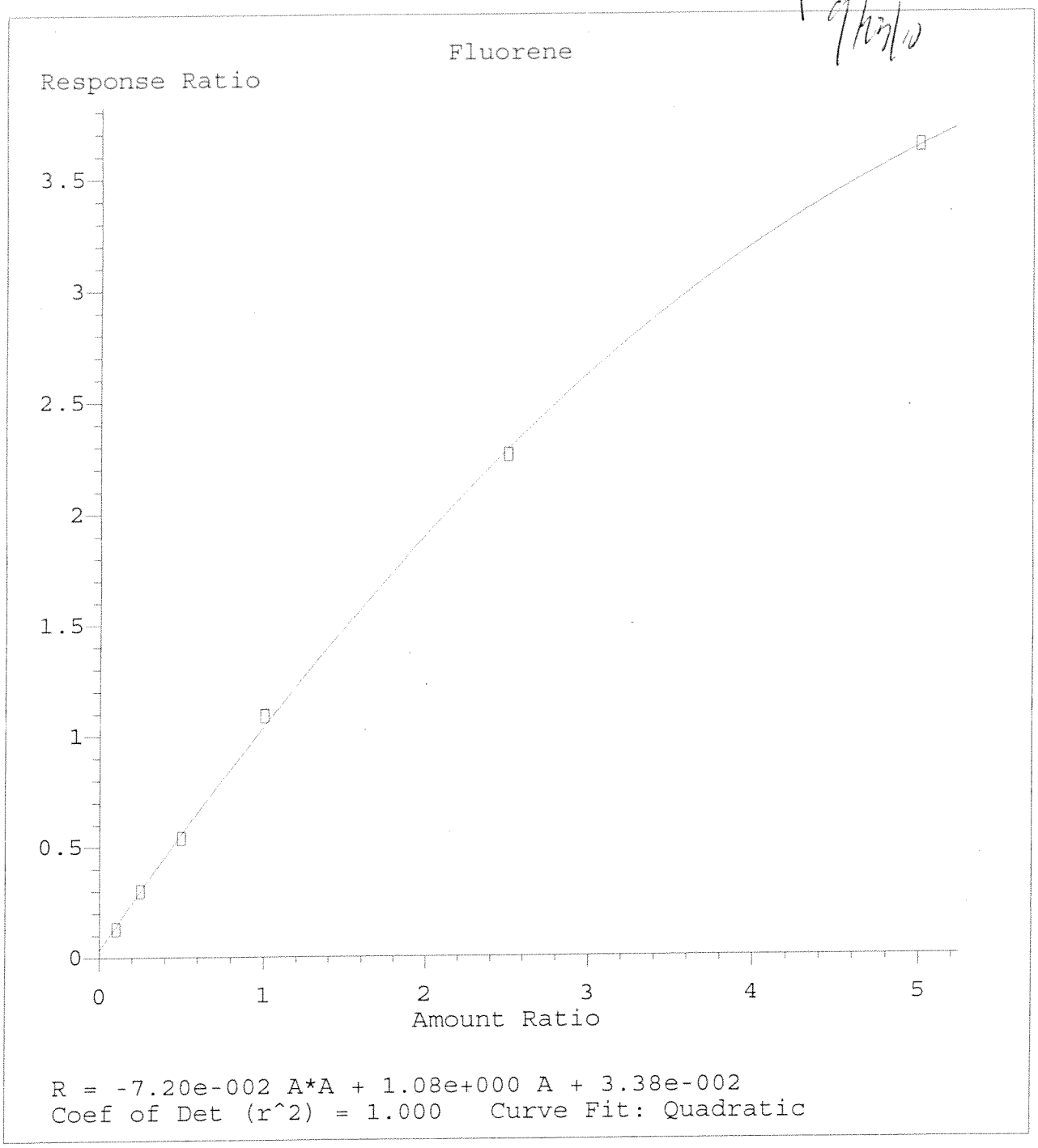
Method Name: C:\msdchem\1\METHODS\ARG092110.M 092310
Calibration Table Last Updated: Wed Sep 22 04:42:07 2010

9/22/10

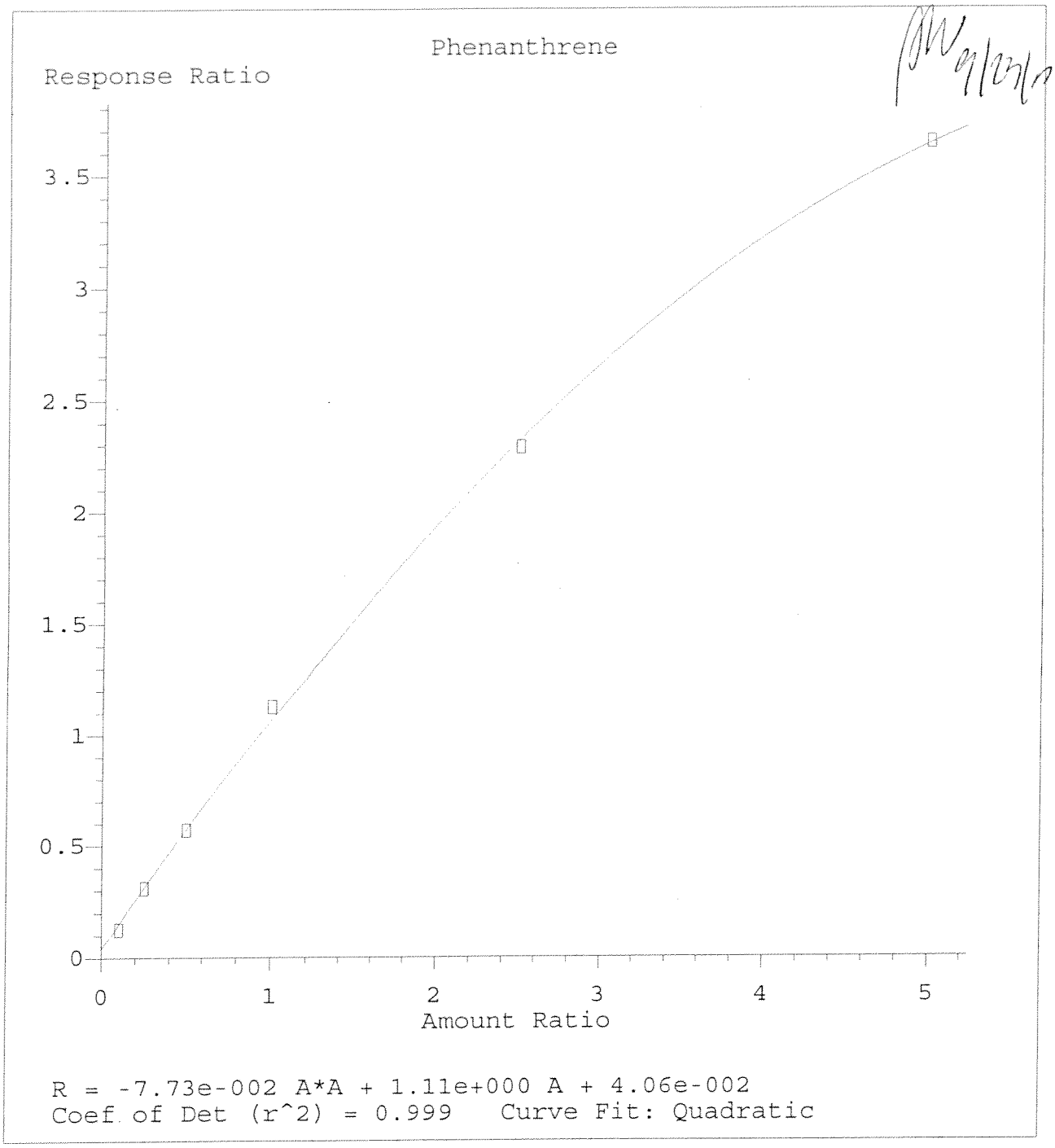


Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:12 2010

092310

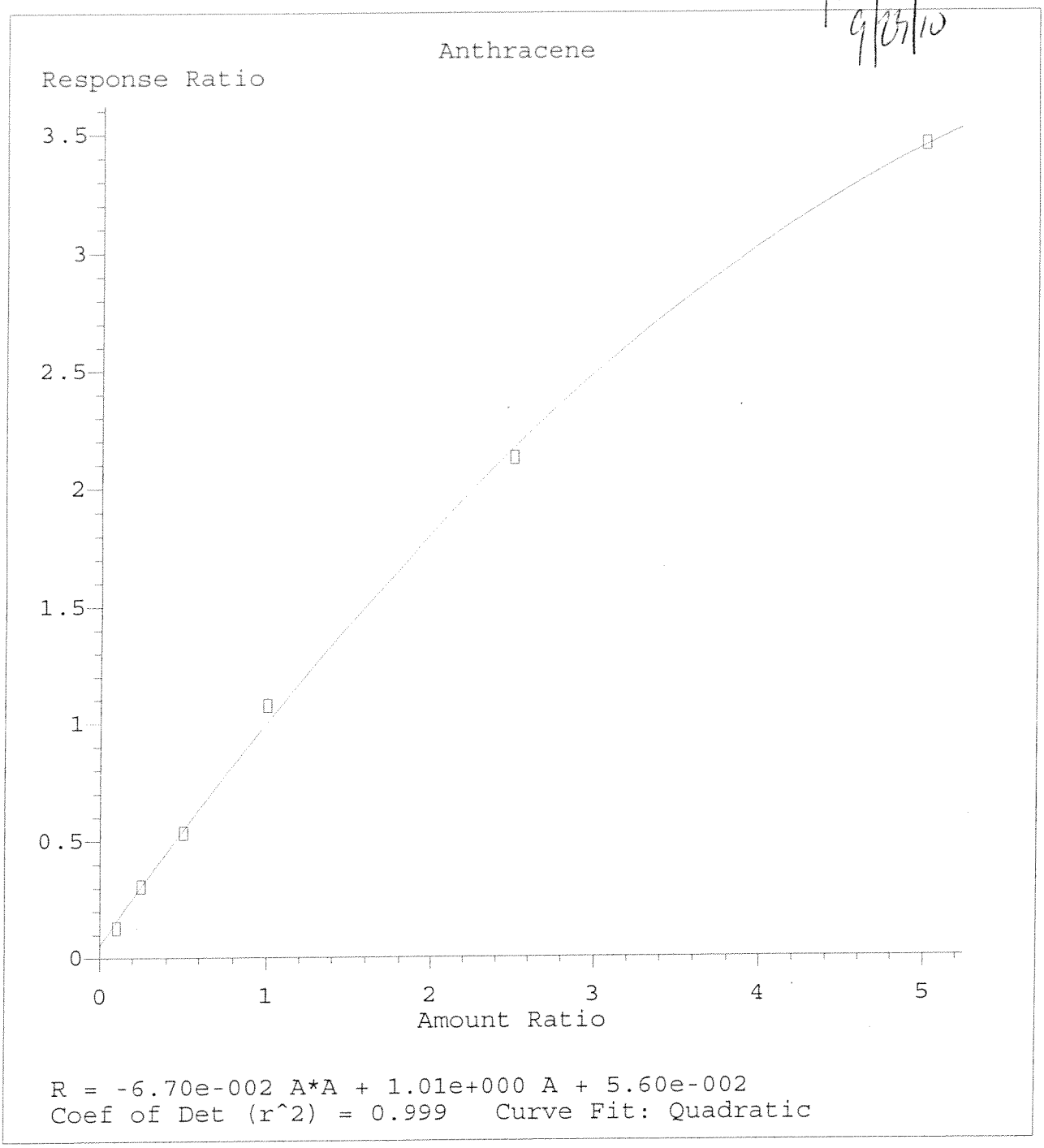


Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:19 2010



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:05 2010

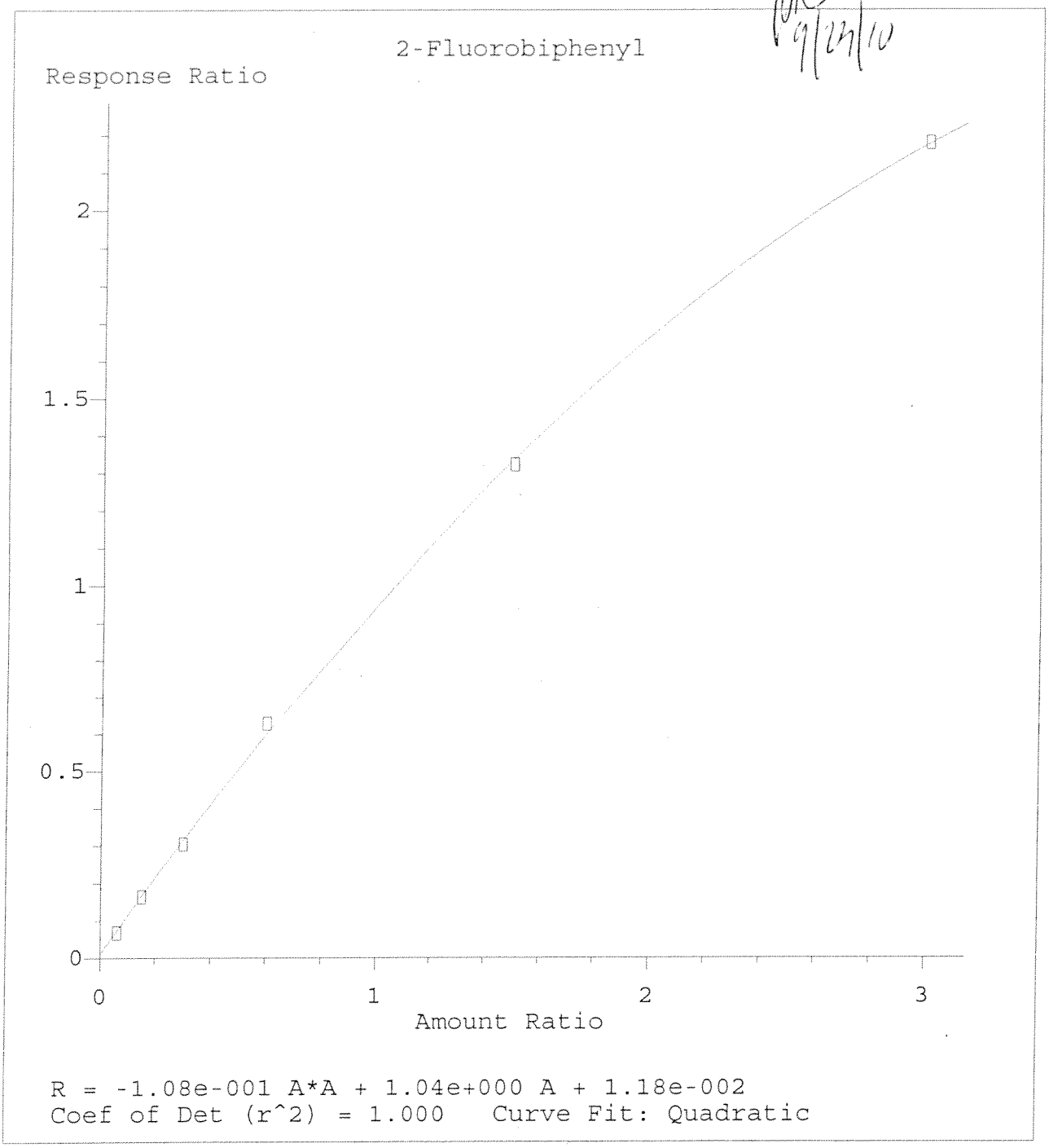
BN 9/23/10



092310

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:11 2010

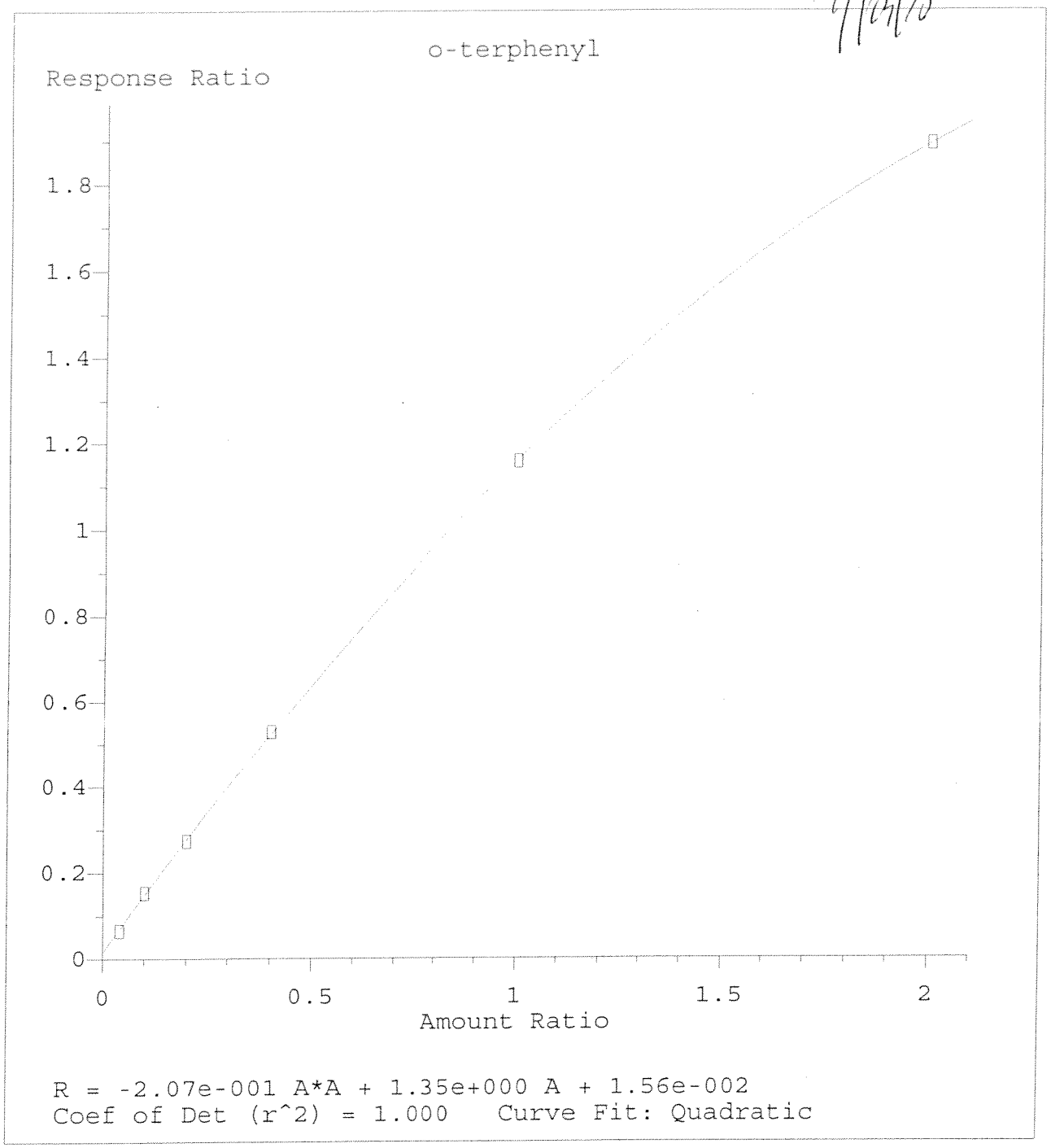
9/22/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:16 2010

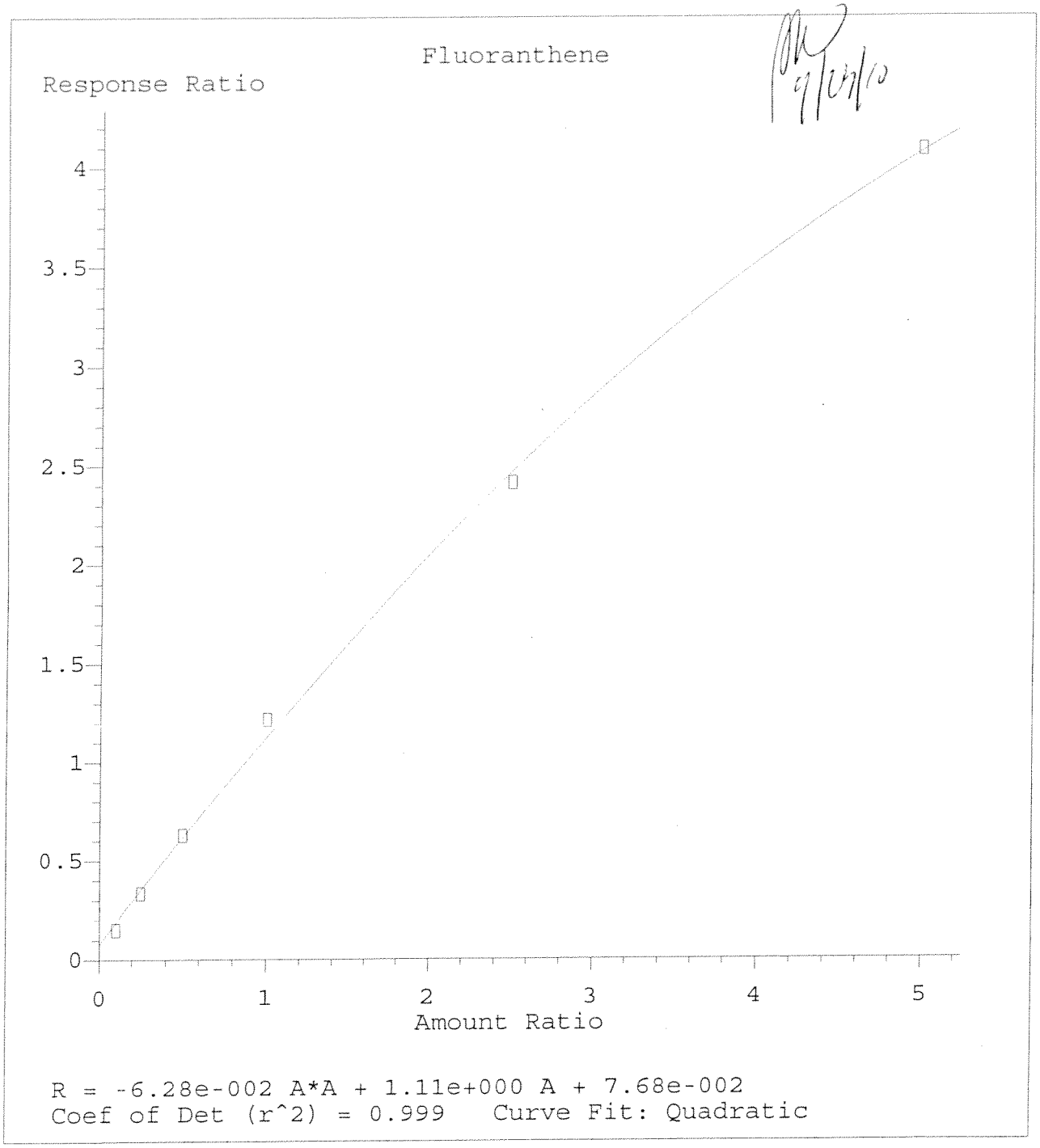
J42310

9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:21 2010

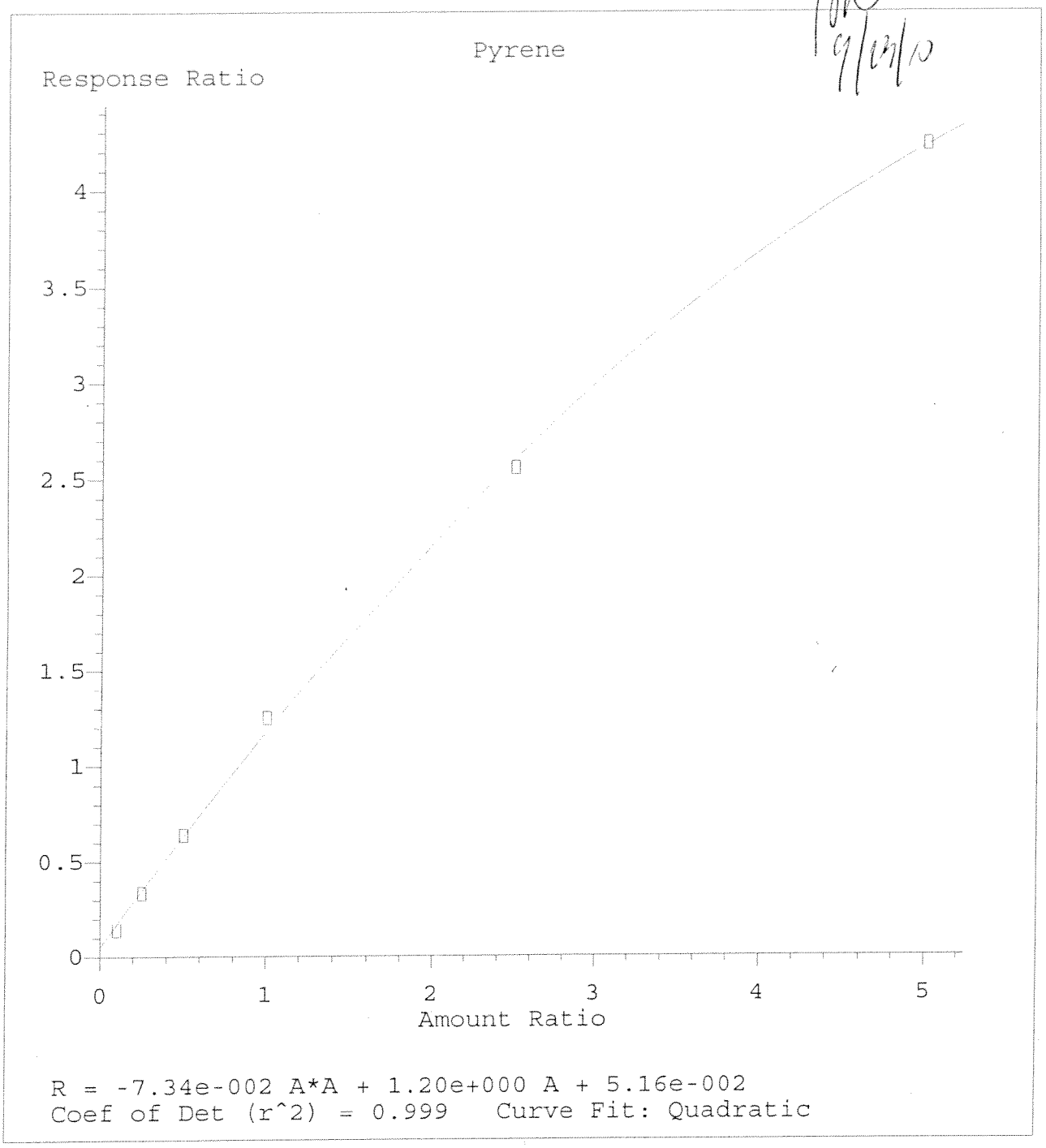
JS 9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:28 2010

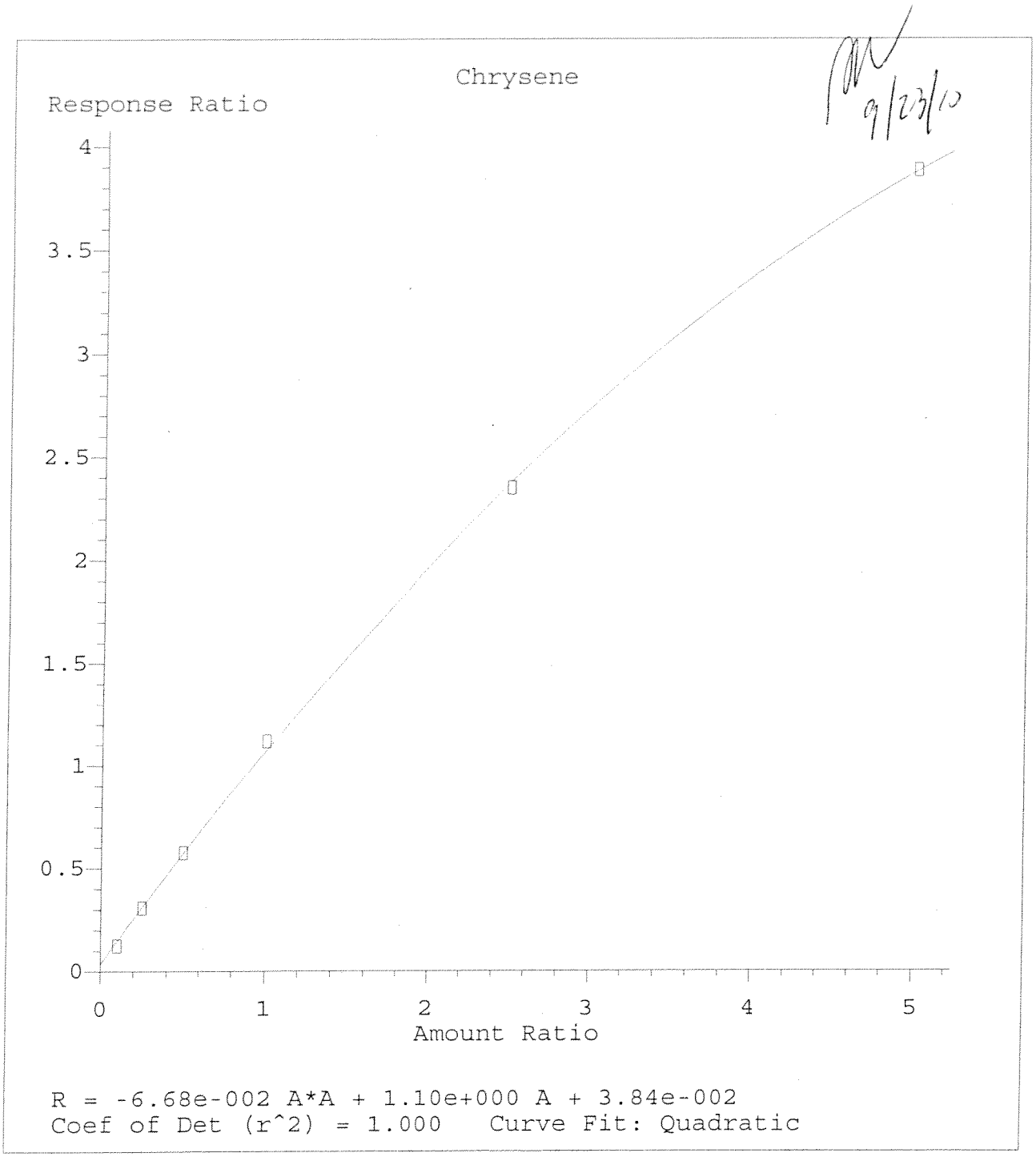
092310

9/27/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:32 2010

092310

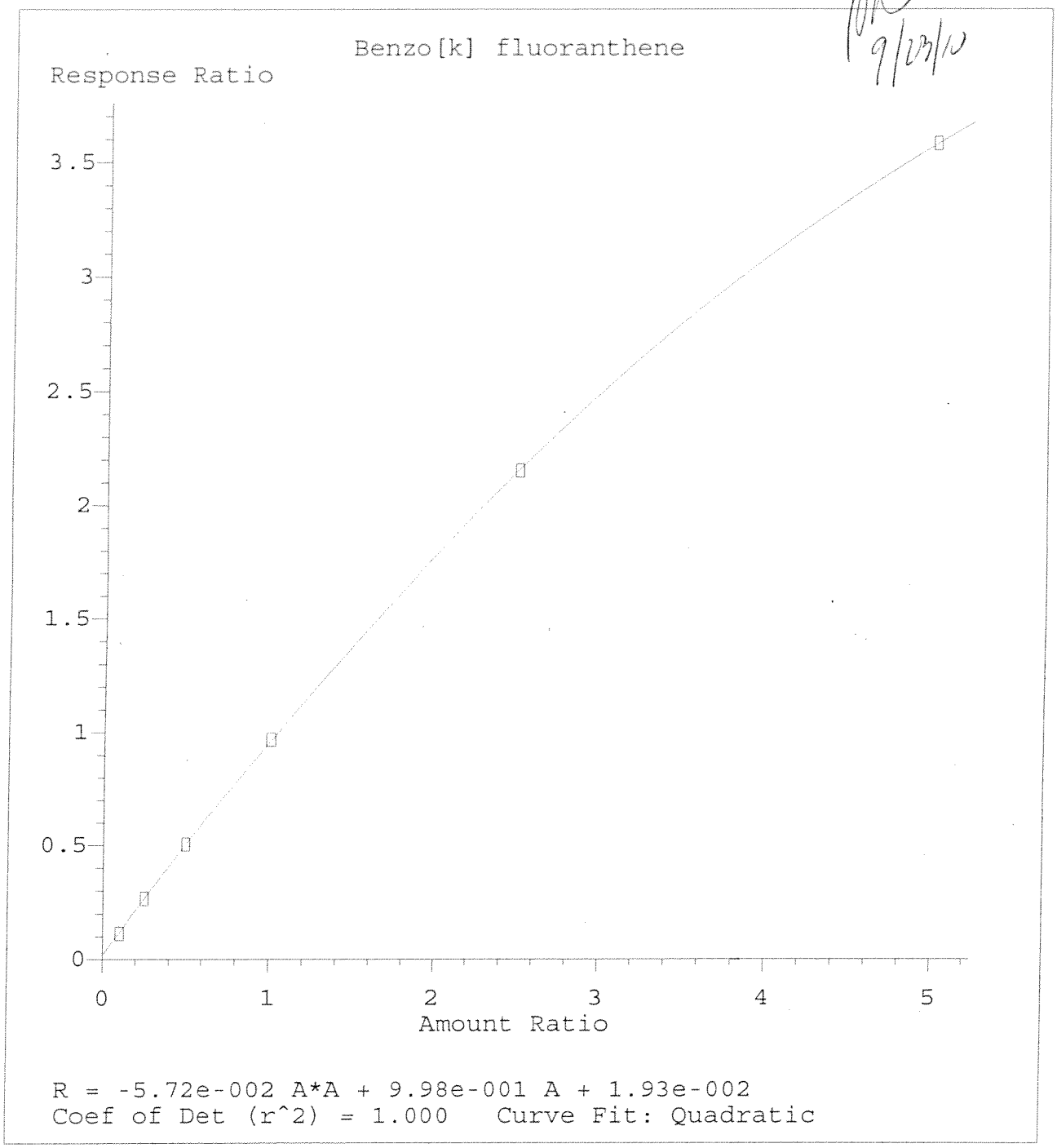


9/23/10

S9230

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:37 2010

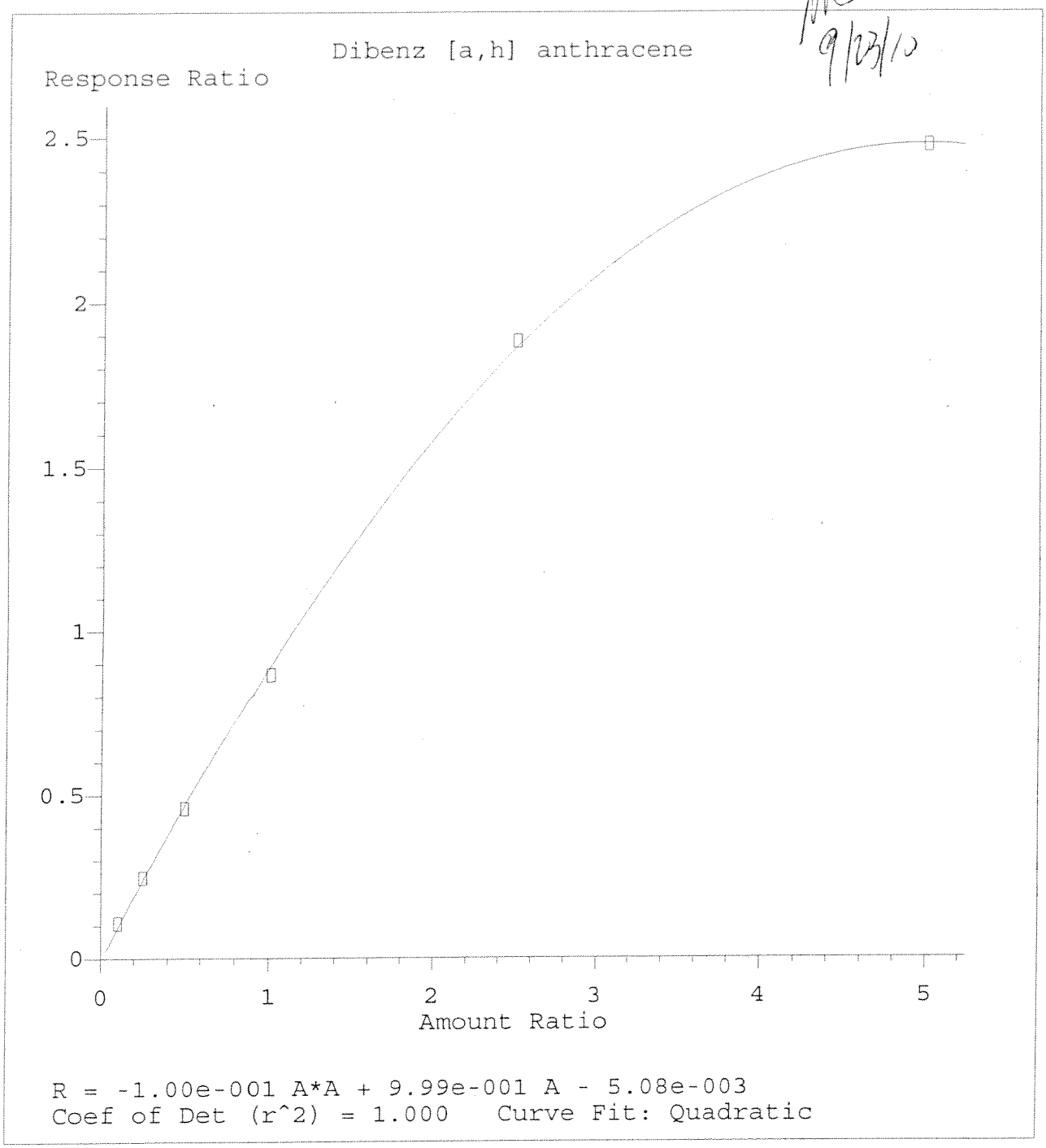
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:46 2010

J92310

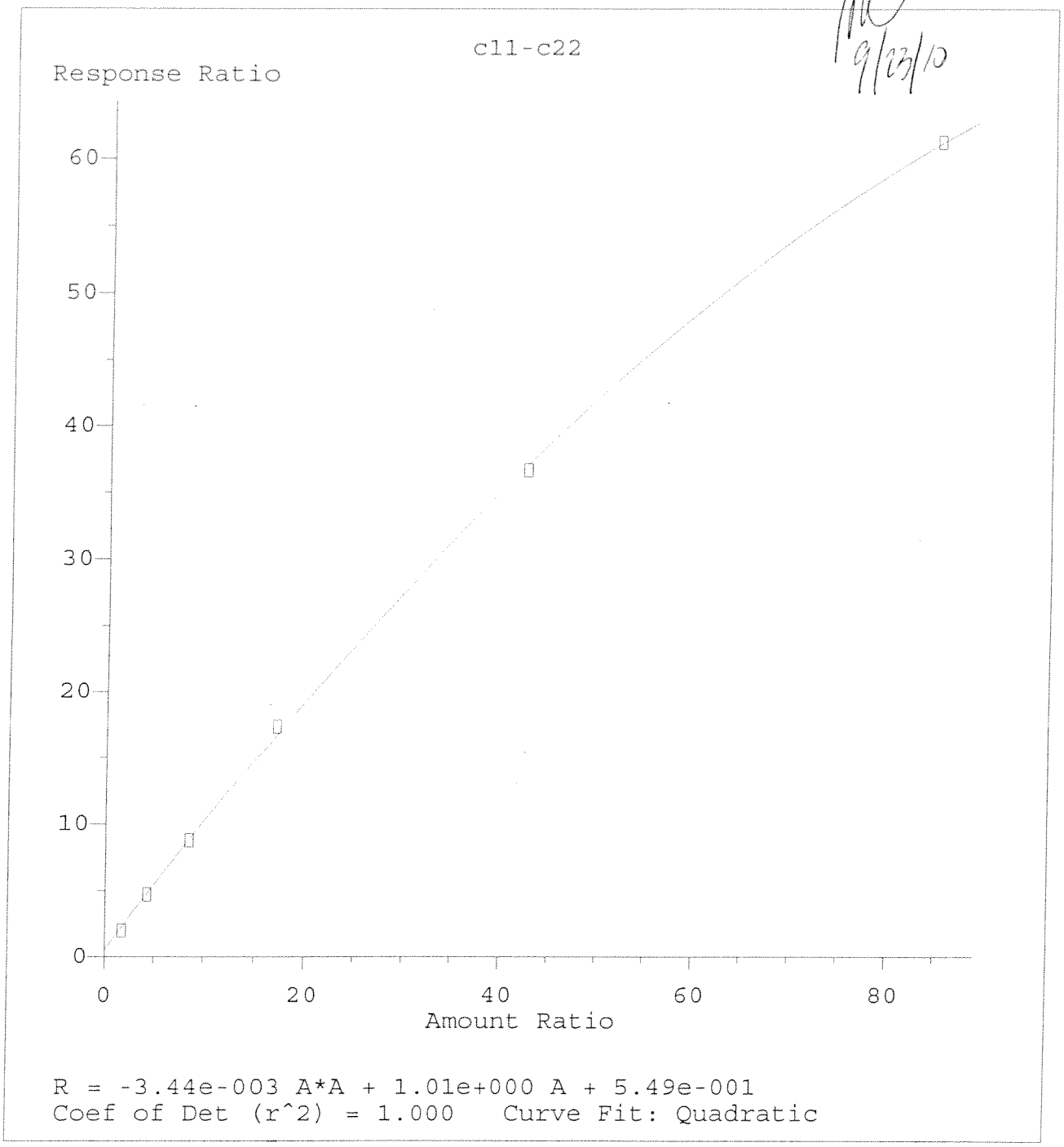
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:54 2010

59230

9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:44:05 2010

592300

MN 9/23/10

GC AROMATIC
2ND SOURCE
CHECK

Data File Name J35928.D
Sample Name S9716 ARO 20 ICV
Date Acquired 9/22/2010 3:45

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.46	20	107%	OK	21.46		
2-Methylnaphthalene	21.56	20	108%	OK	21.56		
Acenaphthylene	21.17	20	106%	OK	21.17		
Acenaphthene	21.39	20	107%	OK	21.39		
Fluorene	20.86	20	104%	OK	20.86		
Phenanthrene	21.30	20	106%	OK	21.30		
Anthracene	21.91	20	110%	OK	21.91		
Fluoranthene	21.69	20	108%	OK	21.69		
Pyrene	20.58	20	103%	OK	20.58		
Benzo[a]anthracene	19.20	20	96%	OK	19.20		
Chrysene	20.15	20	101%	OK	20.15		
Benzo[b] fluoranthene	18.40	20	92%	OK	18.40		
Benzo[k] fluoranthene	19.22	20	96%	OK	19.22		
Benzo[a] pyrene	20.16	20	101%	OK	20.16		
Indeno [1,2,3-cd] pyrene	18.29	20	91%	OK	18.29		
Dibenz [a,h] anthracene	18.00	20	90%	OK	18.00		
Benzo(g,h,i) perylene	18.60	20	93%	OK	18.60		
c11-c22		340			**343.92**	101%	OK
o-terphenyl	20.23	20	101%	OK			

J92310

9/22/2010 4:49 AM

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67834
Standard ID: S10042 ALI 40
Data File ID: D71766SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.5	1.3	
C-10	40.4	1.1	
C-12	39.5	1.2	
C-14	36.9	7.8	
C-16	38.8	2.9	
C-18	37.1	7.1	
C-19	36.8	8.0	
C-20	38.7	3.2	
1-Chlorooctadecane	16.4	2.2	
C-22	37.4	6.6	
C-24	36.9	7.8	
C-26	38.7	3.2	
C-28	38.1	4.8	
C-30	39.0	2.5	
C-36	39.6	1.0	

C9-C18 Aliphatics	233.3	2.8	
C19-C36 Aliphatics	305.2	4.6	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67834
Standard ID: S10042 ALI 40
Data File ID: D71781SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	36.9	7.8	
C-10	37.9	5.3	
C-12	35.2	11.9	
C-14	37.3	6.8	
C-16	36.8	7.9	
C-18	37.2	7.1	
C-19	36.7	8.3	
C-20	37.5	6.1	
1-Chlorooctadecane	15.9	0.5	
C-22	37.1	7.2	
C-24	37.1	7.2	
C-26	36.8	8.0	
C-28	38.1	4.7	
C-30	40.5	1.3	
C-36	43.1	7.7	

C9-C18 Aliphatics	221.3	7.8	
C19-C36 Aliphatics	306.9	4.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71782SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.2	6.9	
C-10	37.0	7.6	
C-12	36.2	9.5	
C-14	35.5	11.2	
C-16	37.4	6.5	
C-18	36.6	8.5	
C-19	36.8	8.0	
C-20	37.0	7.5	
1-Chlorooctadecane	15.6	2.3	
C-22	35.5	11.2	
C-24	36.9	7.8	
C-26	36.9	7.7	
C-28	37.3	6.7	
C-30	38.9	2.6	
C-36	44.4	11.0	

C9-C18 Aliphatics	219.9	8.4	
C19-C36 Aliphatics	303.8	5.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/22/10

EPH ALI FORM 7

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67834
Standard ID: S10042 ALI 40
Data File ID: D71784SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.0	0.0	
C-10	39.9	0.3	
C-12	37.6	5.9	
C-14	37.5	6.2	
C-16	37.7	5.7	
C-18	38.2	4.6	
C-19	37.0	7.4	
C-20	37.6	6.0	
1-Chlorooctadecane	15.7	1.9	
C-22	37.2	7.0	
C-24	37.5	6.2	
C-26	36.8	7.9	
C-28	38.1	4.7	
C-30	39.1	2.2	
C-36	42.6	6.5	

C9-C18 Aliphatics	230.9	3.8	
C19-C36 Aliphatics	306.0	4.4	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67834
Standard ID: S10042 ALI 40
Data File ID: D71799SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.6	5.9	
C-10	38.2	4.4	
C-12	37.1	7.4	
C-14	36.9	7.9	
C-16	37.3	6.7	
C-18	34.9	12.7	
C-19	35.8	10.5	
C-20	35.8	10.4	
1-Chlorooctadecane	15.9	0.7	
C-22	36.4	9.1	
C-24	35.1	12.3	
C-26	37.1	7.3	
C-28	39.3	1.8	
C-30	38.8	3.0	
C-36	41.9	4.8	

C9-C18 Aliphatics	222.0	7.5	
C19-C36 Aliphatics	300.2	6.2	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

9/23/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71800SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.3	6.8	
C-10	38.2	4.4	
C-12	35.3	11.6	
C-14	36.4	8.9	
C-16	36.5	8.8	
C-18	35.9	10.2	
C-19	34.8	12.9	
C-20	35.9	10.2	
1-Chlorooctadecane	15.8	1.2	
C-22	36.0	10.0	
C-24	35.5	11.2	
C-26	36.6	8.5	
C-28	37.5	6.2	
C-30	39.3	1.8	
C-36	42.9	7.1	

C9-C18 Aliphatics	219.7	8.5	
C19-C36 Aliphatics	298.5	6.7	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

592310

EPH ALI FORM 7

EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

592210

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: J35962SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.6	3.1	
2-Methylnaphthalene	21.6	7.8	
Acenaphthylene	21.2	6.0	
Acenaphthene	21.1	5.6	
Fluorene	21.6	8.2	
Phenanthrene	21.4	7.1	
Anthracene	21.6	8.2	
2-Fluorobiphenyl	12.5	4.4	
2-Bromonaphthalene	12.7	6.1	
o-terphenyl	8.4	4.8	
Fluoranthene	22.4	12.0	
Pyrene	22.0	9.9	
Benzo[a]anthracene	21.8	8.8	
Chrysene	21.4	6.8	
Benzo[b] fluoranthene	21.5	7.4	
Benzo[k] fluoranthene	21.6	8.1	
Benzo[a] pyrene	21.6	7.8	
Indeno [1,2,3-cd] pyrene	21.3	6.3	
Dibenz [a,h] anthracene	21.2	5.9	
Benzo(g,h,i) perylene	21.3	6.4	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/23/10

EPH ARO FORM 7

GC AROMATIC
CONT CALIBRATION
CHECK

Data File Name J35962SC.D
Sample Name S10041 ARO 20
Date Acquired 9/22/2010 16:44

Name	Amount	UG/L EXPECTED	% DIFFERENCE	LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.36	20	2	20	OK	20.36		
2-Methylnaphthalene	20.94	20	5	20	OK	20.94		
Acenaphthylene	20.88	20	4	20	OK	20.88		
Acenaphthene	21.40	20	7	20	OK	21.40		
Fluorene	21.18	20	6	20	OK	21.18		
Phenanthrene	21.14	20	6	20	OK	21.14		
Anthracene	21.71	20	9	20	OK	21.71		
Fluoranthene	21.74	20	9	20	OK	21.74		
Pyrene	21.40	20	7	20	OK	21.40		
Benzo[a]anthracene	21.46	20	7	20	OK	21.46		
Chrysene	21.95	20	10	20	OK	21.95		
Benzo[b] fluoranthene	20.44	20	2	20	OK	20.44		
Benzo[k] fluoranthene	21.29	20	6	20	OK	21.29		
Benzo[a] pyrene	21.75	20	9	20	OK	21.75		
Indeno [1,2,3-cd] pyrene	20.08	20	0	20	OK	20.08		
Dibenz [a,h] anthracene	19.76	20	1	20	OK	19.76		
Benzo(g,h,i) perylene	20.97	20	5	20	OK	20.97		
c11-c22		340				**358.47**	105%	OK

9/23/10

9/23/2010 2:31 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG PT3SUMPRCTOPEN.CRT

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: J35989SC.D

MV 9/23/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.2	0.8	
2-Methylnaphthalene	20.8	3.9	
Acenaphthylene	20.6	3.2	
Acenaphthene	20.4	2.1	
Fluorene	21.0	4.9	
Phenanthrene	20.7	3.5	
Anthracene	21.2	5.8	
2-Fluorobiphenyl	12.1	0.9	
2-Bromonaphthalene	12.1	0.4	
o-terphenyl	8.1	1.6	
Fluoranthene	21.5	7.4	
Pyrene	21.3	6.4	
Benzo[a]anthracene	20.3	1.6	
Chrysene	20.5	2.7	
Benzo[b] fluoranthene	20.2	0.9	
Benzo[k] fluoranthene	20.9	4.7	
Benzo[a] pyrene	20.4	2.2	
Indeno [1,2,3-cd] pyrene	20.1	0.7	
Dibenz [a,h] anthracene	20.3	1.4	
Benzo(g,h,i) perylene	20.1	0.6	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

J92360

EPH ARO FORM 7

MR 9/23/10

GC AROMATIC
CLOSING
CONT CALIBRATION
CHECK

Data File Name J35989SC.D
Sample Name S10041 ARO 20
Date Acquired 9/23/2010 3:27

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 4 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.33	20	2	20	OK	20.33		
2-Methylnaphthalene	20.67	20	3	20	OK	20.67		
Acenaphthylene	20.60	20	3	20	OK	20.60		
Acenaphthene	21.20	20	6	20	OK	21.20		
Fluorene	20.87	20	4	20	OK	20.87		
Phenanthrene	20.67	20	3	20	OK	20.67		
Anthracene	21.00	20	5	20	OK	21.00		
Fluoranthene	21.36	20	7	20	OK	21.36		
Pyrene	21.02	20	5	20	OK	21.02		
Benzo[a]anthracene	20.57	20	3	20	OK	20.57		
Chrysene	21.68	20	8	20	OK	21.68		
Benzo[b] fluoranthene	20.11	20	1	20	OK	20.11		
Benzo[k] fluoranthene	21.05	20	5	20	OK	21.05		
Benzo[a] pyrene	20.77	20	4	20	OK	20.77		
Indeno [1,2,3-cd] pyrene	19.40	20	3	20	OK	19.40		
Dibenz [a,h] anthracene	19.37	20	3	20	OK	19.37		
Benzo(g,h,i) perylene	20.06	20	0	20	OK	20.06		
c11-c22		340				**350.72**	103%	OK

392360

9/23/2010 4:15 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG PT3SUMPRCTCLOS.CRT

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

PM 9/23/10

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: J35990SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.9	4.6	
2-Methylnaphthalene	21.2	5.9	
Acenaphthylene	21.2	5.9	
Acenaphthene	21.1	5.5	
Fluorene	21.6	8.1	
Phenanthrene	21.2	5.8	
Anthracene	21.6	8.2	
2-Fluorobiphenyl	12.6	4.9	
2-Bromonaphthalene	12.5	4.5	
o-terphenyl	8.4	4.5	
Fluoranthene	21.9	9.5	
Pyrene	21.3	6.3	
Benzo[a]anthracene	20.8	3.8	
Chrysene	20.9	4.6	
Benzo[b] fluoranthene	20.8	3.9	
Benzo[k] fluoranthene	21.5	7.6	
Benzo[a] pyrene	21.1	5.3	
Indeno [1,2,3-cd] pyrene	20.7	3.3	
Dibenz [a,h] anthracene	20.7	3.4	
Benzo(g,h,i) perylene	20.6	2.9	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

J92310

EPH ARO FORM 7

GC AROMATIC
CLOSING
CONT CALIBRATION
CHECK

Data File Name J35990SC.D
Sample Name S10041 ARO 20
Date Acquired 9/23/2010 3:49

9/23/10

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 4 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.67	20	3	20	OK	20.67		
2-Methylnaphthalene	20.91	20	5	20	OK	20.91		
Acenaphthylene	21.00	20	5	20	OK	21.00		
Acenaphthene	21.53	20	8	20	OK	21.53		
Fluorene	21.03	20	5	20	OK	21.03		
Phenanthrene	20.94	20	5	20	OK	20.94		
Anthracene	21.38	20	7	20	OK	21.38		
Fluoranthene	21.31	20	7	20	OK	21.31		
Pyrene	20.83	20	4	20	OK	20.83		
Benzo[a]anthracene	20.69	20	3	20	OK	20.69		
Chrysene	21.46	20	7	20	OK	21.46		
Benzo[b] fluoranthene	20.24	20	1	20	OK	20.24		
Benzo[k] fluoranthene	21.14	20	6	20	OK	21.14		
Benzo[a] pyrene	21.16	20	6	20	OK	21.16		
Indeno [1,2,3-cd] pyrene	19.82	20	1	20	OK	19.82		
Dibenz [a,h] anthracene	20.29	20	1	20	OK	20.29		
Benzo(g,h,i) perylene	20.45	20	2	20	OK	20.45		
c11-c22		340				**354.87**	104%	OK

J92310

9/23/2010 4:15 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG PT3SUMPRCTCLOS.CRT

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67834
Standard ID: S10042 ALI 40
Data File ID: D71802SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	39.6	1.1	
C-10	40.7	1.8	
C-12	38.6	3.6	
C-14	37.9	5.3	
C-16	38.0	5.1	
C-18	38.8	3.0	
C-19	36.9	7.7	
C-20	36.8	8.0	
1-Chlorooctadecane	16.2	1.1	
C-22	38.2	4.6	
C-24	37.2	7.1	
C-26	37.5	6.2	
C-28	37.9	5.2	
C-30	38.8	2.9	
C-36	41.4	3.5	

C9-C18 Aliphatics	233.5	2.7	
C19-C36 Aliphatics	304.8	4.8	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

34236

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71816SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	38.4	3.9	
C-10	40.2	0.4	
C-12	38.9	2.6	
C-14	37.5	6.3	
C-16	36.8	7.9	
C-18	37.1	7.3	
C-19	37.1	7.2	
C-20	36.2	9.4	
1-Chlorooctadecane	15.8	1.0	
C-22	37.1	7.2	
C-24	37.8	5.4	
C-26	36.7	8.2	
C-28	39.8	0.4	
C-30	41.2	3.0	
C-36	44.0	10.0	

C9-C18 Aliphatics	229.0	4.6	
C19-C36 Aliphatics	310.1	3.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/03/10

EPH ALI FORM 7

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67834
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	6995120		11.02	
Upper Limit	13990240		11.08	
Lower limit	3497560		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9700 ALI 5	6392680		11.02	
S9701 ALI 10	6336220		11.02	
S9702 ALI 20	7097680		11.02	
S9704 ALI 50	6719900		11.02	
S9705 ALI 100	6944560		11.02	
S9715 ALI 20 ICV	6985250		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67834

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	102381		7.96	
Upper Limit	204762		8.02	
Lower limit	51191		7.90	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	102821		7.97	
S9707 ARO 5	106433		7.97	
S9708 ARO 10	108670		7.96	
S9710 ARO 50	108242		7.97	
S9711 ARO 100	96457		7.97	
S9716 ARO 20 ICV	105542		7.97	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67834
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6035930		10.78	
Upper Limit	12071860		10.84	
Lower limit	3017965		10.72	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	6116530		10.78	
B092010EASE2	5270070		10.78	
L092010EASE2	5378240		10.78	
LD092010EASE2	5609740		10.78	
S10042 ALI 40	6555090		10.78	
S10042 ALI 40	6791190		10.78	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6502570		10.78	
Upper Limit	13005140		10.84	
Lower limit	3251285		10.72	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	6176770		10.78	
B092010EASE2,RR	5685430		10.78	
67834-1	5372870		10.78	
67834-2	5412770		10.78	
67834-3	5386960		10.78	
67834-4	5288730		10.78	
67834-5	5917630		10.78	
67834-6	6274760		10.78	
67834-15	5763500		10.78	
67834-15,MS	5509810		10.78	
67834-15,MSD	5398740		10.78	
67834-16	5613180		10.78	
67834-17	5391650		10.78	
67834-18	5689960		10.78	
S10042 ALI 40	6936200		10.78	
S10042 ALI 40	7056340		10.78	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67834

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	99428		7.97	
Upper Limit	198856		8.03	
Lower limit	49714		7.91	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	96698		7.97	
B092010EASE2	87057		7.96	
L092010EASE2	83204		7.96	
LD092010EASE2	82032		7.96	
L092010EASE2	98847		7.97	
LD092010EASE2	99457		7.97	
67834-1	85785		7.97	
67834-2	82430		7.97	
67834-3	83656		7.96	
67834-4	96550		7.96	
67834-5	71421		7.96	
67834-6	80004		7.96	
67834-15	83306		7.96	
67834-15,MS	84155		7.96	
67834-15,MSD	83492		7.96	
67834-16	88593		7.96	
67834-17	82251		7.96	
67834-18	97662		7.97	
S10041 ARO 20	100074		7.96	
S10041 ARO 20	98679		7.96	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6579930		10.78	
Upper Limit	13159860		10.84	
Lower limit	3289965		10.72	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	6092830		10.78	
B092010EASE2,RR2	5615890		10.78	
67834-5,DL	5320670		10.77	
67834-6,DL	5329340		10.77	
S10042 ALI 40	6497710		10.77	
S10042 ALI 40	6638790		10.77	

67834-5
67834-6

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-61464-2

SDG Number: 67834

Job Description: CT048 Bldg. 92, SOWEY

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release
Abbie G Yant
Project Manager I
9/24/2010 6:09 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
09/24/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

TestAmerica Laboratories, Inc.
TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SAV	SW846 7471B	
Preparation, Mercury	TAL SAV		SW846 7471B
Percent Moisture	TAL SAV	EPA Moisture	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Method	Analyst	Analyst ID
SW846 6010C	Bland, Brian	BCB
SW846 7471B	Eaton, Cliff	CE
EPA Moisture	Swafford, Frances	FS

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-61464-6	C-B82-GTM2-SW-01	Solid	09/20/2010 1230	09/22/2010 1018
680-61464-7	C-B82-GTM2-SW-02	Solid	09/20/2010 1250	09/22/2010 1018
680-61464-8	C-B82-GTM2-SW-02D	Solid	09/20/2010 1250	09/22/2010 1018
680-61464-9	C-B82-GTM2-SW-03	Solid	09/20/2010 1255	09/22/2010 1018
680-61464-9MS	C-B82-GTM2-SW-03	Solid	09/20/2010 1255	09/22/2010 1018
680-61464-9MSD	C-B82-GTM2-SW-03	Solid	09/20/2010 1255	09/22/2010 1018
680-61464-10	C-B82-GTM2-SW-04	Solid	09/20/2010 1300	09/22/2010 1018
680-61464-11	C-B82-GTM2-B-5	Solid	09/20/2010 1305	09/22/2010 1018

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Client Sample ID: **C-B82-GTM2-SW-01**

Lab Sample ID: 680-61464-6
Client Matrix: Solid
% Moisture: 5.6

Date Sampled: 09/20/2010 1230
Date Received: 09/22/2010 1018

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-180993		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-180784		Lab File ID:	092410092410.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	09/24/2010 1615			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0913				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5600		10	21
Antimony		0.55	U	0.55	2.1
Selenium		1.0	U	1.0	2.6
Nickel		6.3		0.32	4.1
Lead		7.6		0.55	1.0
Magnesium		2600		2.5	51
Iron		12000		7.2	21
Manganese		150		0.31	1.0
Potassium		400		8.2	100
Chromium		7.1		0.51	1.0
Copper		8.3		1.1	2.6
Barium		15		0.31	1.0
Beryllium		0.54		0.021	0.41
Silver		0.099	U	0.099	1.0
Arsenic		1.1	J	0.61	2.1
Cadmium		0.10	U	0.10	0.51
Calcium		2300		21	51
Cobalt		4.8		0.12	1.0
Sodium		84	U	84	210
Thallium		1.0	U	1.0	2.6
Vanadium		17		0.25	1.0
Zinc		38		1.2	2.1

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-180994		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-180822		Lab File ID:	b092410b.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	09/24/2010 1711			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1219				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0084	U	0.0084	0.020

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Client Sample ID: **C-B82-GTM2-SW-02**

Lab Sample ID: 680-61464-7
Client Matrix: Solid
% Moisture: 7.3

Date Sampled: 09/20/2010 1250
Date Received: 09/22/2010 1018

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-180993		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-180784		Lab File ID:	092410092410.chr
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Date Analyzed:	09/24/2010 1630			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0913				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5000		10	21
Antimony		0.55	U	0.55	2.1
Selenium		1.0	U	1.0	2.6
Nickel		4.4		0.32	4.1
Lead		7.3		0.55	1.0
Magnesium		1700		2.5	52
Iron		12000		7.3	21
Manganese		260		0.31	1.0
Potassium		510		8.3	100
Chromium		5.2		0.52	1.0
Copper		4.6		1.1	2.6
Barium		22		0.31	1.0
Beryllium		0.58		0.021	0.41
Silver		0.10	U	0.10	1.0
Arsenic		1.3	J	0.61	2.1
Cadmium		0.10	U	0.10	0.52
Calcium		1700		21	52
Cobalt		3.1		0.12	1.0
Sodium		85	U	85	210
Thallium		1.0	U	1.0	2.6
Vanadium		11		0.25	1.0
Zinc		32		1.2	2.1

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-180994		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-180822		Lab File ID:	b092410b.chr
Dilution:	1.0			Initial Weight/Volume:	0.50 g
Date Analyzed:	09/24/2010 1719			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1219				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0088	U	0.0088	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Client Sample ID: **C-B82-GTM2-SW-02D**

Lab Sample ID: 680-61464-8
Client Matrix: Solid
% Moisture: 8.4

Date Sampled: 09/20/2010 1250
Date Received: 09/22/2010 1018

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-180993		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-180784		Lab File ID:	092410092410.chr
Dilution:	1.0			Initial Weight/Volume:	1.11 g
Date Analyzed:	09/24/2010 1635			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0913				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4800		9.8	20
Antimony		0.52	U	0.52	2.0
Selenium		0.98	U	0.98	2.5
Nickel		3.2	J	0.30	3.9
Lead		6.8		0.52	0.98
Magnesium		1500		2.4	49
Iron		12000		6.9	20
Manganese		230		0.30	0.98
Potassium		410		7.9	98
Chromium		5.6		0.49	0.98
Copper		5.2		1.1	2.5
Barium		19		0.30	0.98
Beryllium		0.66		0.020	0.39
Silver		0.094	U	0.094	0.98
Arsenic		1.5	J	0.58	2.0
Cadmium		0.098	U	0.098	0.49
Calcium		1200		20	49
Cobalt		2.4		0.12	0.98
Sodium		81	U	81	200
Thallium		0.97	U	0.97	2.5
Vanadium		12		0.24	0.98
Zinc		38		1.2	2.0

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-180994		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-180822		Lab File ID:	b092410b.chr
Dilution:	1.0			Initial Weight/Volume:	0.50 g
Date Analyzed:	09/24/2010 1722			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1219				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0090	U	0.0090	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Client Sample ID: **C-B82-GTM2-SW-03**

Lab Sample ID: 680-61464-9
Client Matrix: Solid
% Moisture: 3.4

Date Sampled: 09/20/2010 1255
Date Received: 09/22/2010 1018

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-180993		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-180784		Lab File ID:	092410092410.chr
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	09/24/2010 1641			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0913				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3400	J	9.9	20
Antimony		0.58	J	0.52	2.0
Selenium		0.99	U	0.99	2.5
Nickel		2.5	J	0.31	3.9
Lead		3.7		0.52	0.99
Magnesium		1100	J	2.4	49
Iron		7700	J	6.9	20
Manganese		120	J	0.30	0.99
Potassium		350		7.9	99
Chromium		3.0		0.49	0.99
Copper		3.1		1.1	2.5
Barium		13		0.30	0.99
Beryllium		0.40	J	0.020	0.39
Silver		0.095	U J	0.095	0.99
Arsenic		0.89	J	0.58	2.0
Cadmium		0.099	U	0.099	0.49
Calcium		1000	J	20	49
Cobalt		1.8		0.12	0.99
Sodium		81	U	81	200
Thallium		0.98	U	0.98	2.5
Vanadium		8.7		0.24	0.99
Zinc		22	J	1.2	2.0

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-180994		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-180822		Lab File ID:	b092410b.chr
Dilution:	1.0			Initial Weight/Volume:	0.50 g
Date Analyzed:	09/24/2010 1725			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1219				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0085	U	0.0085	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Client Sample ID: **C-B82-GTM2-SW-04**

Lab Sample ID: 680-61464-10
Client Matrix: Solid
% Moisture: 10.3

Date Sampled: 09/20/2010 1300
Date Received: 09/22/2010 1018

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-180993		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-180784		Lab File ID:	092410092410.chr
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	09/24/2010 1707			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0913				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5300		11	22
Antimony		0.82	J	0.58	2.2
Selenium		1.1	U	1.1	2.7
Nickel		7.1		0.34	4.4
Lead		7.1		0.58	1.1
Magnesium		2100		2.6	55
Iron		8600		7.7	22
Manganese		130		0.33	1.1
Potassium		380		8.7	110
Chromium		7.1		0.55	1.1
Copper		11		1.2	2.7
Barium		17		0.33	1.1
Beryllium		1.1		0.022	0.44
Silver		0.10	U	0.10	1.1
Arsenic		1.6	J	0.64	2.2
Cadmium		0.75		0.11	0.55
Calcium		1900		22	55
Cobalt		3.1		0.13	1.1
Sodium		90	U	90	220
Thallium		1.1	U	1.1	2.7
Vanadium		14		0.26	1.1
Zinc		27		1.3	2.2

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-180994		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-180822		Lab File ID:	b092410b.chr
Dilution:	1.0			Initial Weight/Volume:	0.51 g
Date Analyzed:	09/24/2010 1735			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1219				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.012	J	0.0090	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Client Sample ID: **C-B82-GTM2-B-5**

Lab Sample ID: 680-61464-11
Client Matrix: Solid
% Moisture: 22.2

Date Sampled: 09/20/2010 1305
Date Received: 09/22/2010 1018

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-180993		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-180784		Lab File ID:	092410092410.chr
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Date Analyzed:	09/24/2010 1712			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0913				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3100		12	24
Antimony		0.64	U	0.64	2.4
Selenium		1.2	U	1.2	3.0
Nickel		3.6	J	0.37	4.8
Lead		2.5		0.64	1.2
Magnesium		1200		2.9	60
Iron		5700		8.4	24
Manganese		67		0.36	1.2
Potassium		360		9.6	120
Chromium		4.8		0.60	1.2
Copper		4.8		1.3	3.0
Barium		12		0.36	1.2
Beryllium		0.29	J	0.024	0.48
Silver		0.12	U	0.12	1.2
Arsenic		0.71	U	0.71	2.4
Cadmium		0.12	U	0.12	0.60
Calcium		960		24	60
Cobalt		2.0		0.14	1.2
Sodium		99	U	99	240
Thallium		1.2	U	1.2	3.0
Vanadium		9.0		0.29	1.2
Zinc		19		1.4	2.4

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-180994		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-180822		Lab File ID:	b092410b.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	09/24/2010 1738			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1219				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.010	U	0.010	0.025

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

General Chemistry

Client Sample ID: **C-B82-GTM2-SW-01**

Lab Sample ID: 680-61464-6
Client Matrix: Solid

Date Sampled: 09/20/2010 1230
Date Received: 09/22/2010 1018

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.6		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-180787 Date Analyzed: 09/23/2010 0924 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

General Chemistry

Client Sample ID: **C-B82-GTM2-SW-02**

Lab Sample ID: 680-61464-7
Client Matrix: Solid

Date Sampled: 09/20/2010 1250
Date Received: 09/22/2010 1018

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.3		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-180787 Date Analyzed: 09/23/2010 0924 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

General Chemistry

Client Sample ID: **C-B82-GTM2-SW-02D**

Lab Sample ID: 680-61464-8
Client Matrix: Solid

Date Sampled: 09/20/2010 1250
Date Received: 09/22/2010 1018

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.4		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-180787 Date Analyzed: 09/23/2010 0924 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

General Chemistry

Client Sample ID: **C-B82-GTM2-SW-03**

Lab Sample ID: 680-61464-9
Client Matrix: Solid

Date Sampled: 09/20/2010 1255
Date Received: 09/22/2010 1018

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.4		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-180787 Date Analyzed: 09/23/2010 0924 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

General Chemistry

Client Sample ID: **C-B82-GTM2-SW-04**

Lab Sample ID: 680-61464-10
Client Matrix: Solid

Date Sampled: 09/20/2010 1300
Date Received: 09/22/2010 1018

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-180787 Date Analyzed: 09/23/2010 0924 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

General Chemistry

Client Sample ID: **C-B82-GTM2-B-5**

Lab Sample ID: 680-61464-11
Client Matrix: Solid

Date Sampled: 09/20/2010 1305
Date Received: 09/22/2010 1018

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	22		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-180787 Date Analyzed: 09/23/2010 0924 DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	U	Undetected at the Limit of Detection.

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Method Blank - Batch: 680-180784

Method: 6010C
Preparation: 3050B

Lab Sample ID: MB 680-180784/15-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/24/2010 1538
Date Prepared: 09/23/2010 0913

Analysis Batch: 680-180993
Prep Batch: 680-180784
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 092410092410.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Aluminum	10	U	10	20
Antimony	0.53	U	0.53	2.0
Selenium	1.0	U	1.0	2.5
Nickel	0.31	U	0.31	4.0
Lead	0.53	U	0.53	1.0
Magnesium	2.4	U	2.4	50
Iron	7.0	U	7.0	20
Manganese	0.30	U	0.30	1.0
Potassium	8.0	U	8.0	100
Chromium	0.50	U	0.50	1.0
Copper	1.1	U	1.1	2.5
Barium	0.30	U	0.30	1.0
Beryllium	0.020	U	0.020	0.40
Silver	0.096	U	0.096	1.0
Arsenic	0.59	U	0.59	2.0
Cadmium	0.10	U	0.10	0.50
Calcium	20	U	20	50
Cobalt	0.12	U	0.12	1.0
Sodium	82	U	82	200
Thallium	0.99	U	0.99	2.5
Vanadium	0.24	U	0.24	1.0
Zinc	1.2	U	1.2	2.0

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Lab Control Sample - Batch: 680-180784

Method: 6010C
Preparation: 3050B

Lab Sample ID: LCS 680-180784/16-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/24/2010 1544
Date Prepared: 09/23/2010 0915

Analysis Batch: 680-180993
Prep Batch: 680-180784
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 092410092410.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	205	102	75 - 125	
Antimony	50.0	50.7	101	75 - 125	
Selenium	200	210	105	75 - 125	
Nickel	50.0	52.8	106	75 - 125	
Lead	50.0	52.4	105	75 - 125	
Magnesium	500	514	103	75 - 125	
Iron	100	104	104	75 - 125	
Manganese	50.0	53.1	106	75 - 125	
Potassium	500	506	101	75 - 125	
Chromium	20.0	21.4	107	75 - 125	
Copper	25.0	26.1	104	75 - 125	
Barium	200	214	107	75 - 125	
Beryllium	5.00	5.24	105	75 - 125	
Silver	5.00	3.75	75	75 - 125	
Arsenic	200	208	104	75 - 125	
Cadmium	5.00	5.36	107	75 - 125	
Calcium	500	518	104	75 - 125	
Cobalt	50.0	52.9	106	75 - 125	
Sodium	500	481	96	75 - 125	
Thallium	200	216	108	75 - 125	
Vanadium	50.0	51.9	104	75 - 125	
Zinc	50.0	53.6	107	75 - 125	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-180784

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-61464-9	Analysis Batch: 680-180993	Instrument ID: ICPD
Client Matrix:	Solid	Prep Batch: 680-180784	Lab File ID: 092410092410.chr
Dilution:	1.0		Initial Weight/Volume: 1.05 g
Date Analyzed:	09/24/2010 1656		Final Weight/Volume: 100 mL
Date Prepared:	09/23/2010 0913		

MSD Lab Sample ID:	680-61464-9	Analysis Batch: 680-180993	Instrument ID: ICPD
Client Matrix:	Solid	Prep Batch: 680-180784	Lab File ID: 092410092410.chr
Dilution:	1.0		Initial Weight/Volume: 1.05 g
Date Analyzed:	09/24/2010 1701		Final Weight/Volume: 100 mL
Date Prepared:	09/23/2010 0913		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	385	434	75 - 125	2	20	4	4
Antimony	97	98	75 - 125	0.6	20		
Selenium	105	105	75 - 125	0.3	20		
Nickel	108	109	75 - 125	0.3	20		
Lead	106	106	75 - 125	0.4	20		
Magnesium	213	169	75 - 125	10	20	J	J
Iron	1671	1342	75 - 125	4	20	4	4
Manganese	248	184	75 - 125	14	20	J	J
Potassium	85	92	75 - 125	4	20		
Chromium	124	113	75 - 125	8	20		
Copper	107	109	75 - 125	2	20		
Barium	107	108	75 - 125	1	20		
Beryllium	106	141	75 - 125	26	20		J
Silver	73	72	75 - 125	0.2	20	J	J
Arsenic	103	104	75 - 125	0.9	20		
Cadmium	107	108	75 - 125	0.7	20		
Calcium	154	140	75 - 125	4	20	J	J
Cobalt	107	108	75 - 125	0.5	20		
Sodium	99	103	75 - 125	5	20		
Thallium	108	109	75 - 125	1	20		
Vanadium	106	105	75 - 125	0.6	20		
Zinc	108	152	75 - 125	25	20		J

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Method Blank - Batch: 680-180822

Method: 7471B
Preparation: 7471B

Lab Sample ID: MB 680-180822/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/24/2010 1649
Date Prepared: 09/23/2010 1219

Analysis Batch: 680-180994
Prep Batch: 680-180822
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b092410b.chr
Initial Weight/Volume: 0.50 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Hg	0.0082	U	0.0082	0.020

Lab Control Sample - Batch: 680-180822

Method: 7471B
Preparation: 7471B

Lab Sample ID: LCS 680-180822/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/24/2010 1652
Date Prepared: 09/23/2010 1219

Analysis Batch: 680-180994
Prep Batch: 680-180822
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b092410b.chr
Initial Weight/Volume: 0.50 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.250	0.231	92	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-180822

Method: 7471B
Preparation: 7471B

MS Lab Sample ID: 680-61464-9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/24/2010 1729
Date Prepared: 09/23/2010 1219

Analysis Batch: 680-180994
Prep Batch: 680-180822

Instrument ID: LEEMAN1
Lab File ID: b092410b.chr
Initial Weight/Volume: 0.50 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-61464-9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/24/2010 1732
Date Prepared: 09/23/2010 1219

Analysis Batch: 680-180994
Prep Batch: 680-180822

Instrument ID: LEEMAN1
Lab File ID: b092410b.chr
Initial Weight/Volume: 0.50 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hg	93	96	80 - 120	3	20		

Chain Of Custody Form

TA-GA

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 5.1
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: CT048 Proj. Name: Bldg. 82, SOWEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO#67834 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #	
C-B82-GTM2-SW-01	9/20/10	1230	TAL Metals		x						S	1	G		67834	-7
C-B82-GTM2-SW-02	9/20/10	1250	TAL Metals		x						S	1	G			-8
C-B82-GTM2-SW-02D	9/20/10	1250	TAL Metals		x						S	1	G			-9
C-B82-GTM2-SW-03**	9/20/10	1255	TAL Metals		x						S	3	G		MS/MSD	-11
C-B82-GTM2-SW-04	9/20/10	1300	TAL Metals		x						S	1	G			-12
C-B82-GTM2-B-5	9/20/10	1305	TAL Metals		x						S	1	G			-14

Received By: Bryan Donohue Time: 9:01 Date: 9.22.10

Received By: UPS Time: 500 Date: 9/21/10

Relinquished By: Cathy Fox Time: Date:

Relinquished By: UPS

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
[ ] 24hr* [ ] 48hr*
[x] 72hr* [ ] 7 Days*
[ ] 10 Days
*Fee may apply; lab approval required

Comments / Instructions:
** MS/MSD REQUIRED

Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered
9/24/10**

Project Requirements:
*Fee may apply

Report Type:
[ ] MCP* [ ] Level II*
[ ] CTRCP* [ ] Level III*
[x] DOD* [x] Level IV*
[ ] Standard

State:
[ ] NH
[x] MA
[ ] ME
[ ] CT
[ ] RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required (Y) N
Type: TTEC EDD

Analytics\AEL Documents\AEL COC

Page 1 | 1

680-61464

EXTRACTION
LOGBOOK PAGES

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 09/21/10

Initials: EB

EXTRACT TRANSFER SHEET

Extractable Petroleum

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
67807-1	EPHASE	09/20/10	Solid		15.38	2.0	65.54	
67807-2	EPHASE	09/20/10	Solid		15.72	2.0	77.98	
67807-3	EPHASE	09/20/10	Solid		15.15	2.0	55.59	
67833-1	EPHASE	09/20/10	Solid		15.54	2.0		
67833-2	EPHASE	09/20/10	Solid		15.66	2.0		
67833-3	EPHASE	09/20/10	Solid		15.23	2.0		
67833-4	EPHASE	09/20/10	Solid		15.72	2.0		
67833-5	EPHASE	09/20/10	Solid		15.20	2.0		
67833-6	EPHASE	09/20/10	Solid		15.51	2.0		
67833-7	EPHASE	09/20/10	Solid		15.02	2.0		
67833-8	EPHASE	09/20/10	Solid		15.20	2.0		
67833-9	EPHASE	09/20/10	Solid		15.23	2.0		
67833-10	EPHASE	09/20/10	Solid		15.21	2.0		
67833-11	EPHASE	09/20/10	Solid		15.36	2.0		
67833-12	EPHASE	09/20/10	Solid		15.17	2.0		
67833-13	EPHASE	09/20/10	Solid		15.20	2.0		
67833-14	EPHASE	09/20/10	Solid		15.71	2.0		
67833-15	EPHASE	09/20/10	Solid		15.47	2.0		
67833-16	EPHASE	09/20/10	Solid		15.31	2.0		
67834-1	EPHASE	09/20/10	Solid		15.73	2.0		
67834-2	EPHASE	09/20/10	Solid		15.10	2.0		
67834-3	EPHASE	09/20/10	Solid		15.59	2.0		
67834-4	EPHASE	09/20/10	Solid		15.57	2.0		

SC 9/21/10

EB 9.21.10

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 9/21/10

Initials: EB

EXTRACT TRANSFER SHEET

Extractable Petroleum

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
67834-5	EPHASE	09/20/10	Solid		15.30	2.0		
67834-6	EPHASE	09/20/10	Solid		15.45	2.0		
67834-15	EPHASE	09/20/10	Solid		15.18	2.0		
67834-16	EPHASE	09/20/10	Solid		15.09	2.0		
67834-17	EPHASE	09/20/10	Solid		15.52	2.0		
67834-18	EPHASE	09/20/10	Solid		15.47	2.0		
67835-1	EPHASE	09/20/10	Solid		15.50	2.0		
67835-2	EPHASE	09/20/10	Solid		15.14	2.0		
67835-3	EPHASE	09/20/10	Solid		15.10	2.0		
67835-4	EPHASE	09/20/10	Solid		15.72	2.0		
67835-5	EPHASE	09/20/10	Solid		15.34	2.0		
67835-6	EPHASE	09/20/10	Solid		15.63	2.0		

SC 9/21/10

EB 9.21.10

Extractable Petroleum Hydrocarbons Solid Preparation Logbook

Circle Method Reference: ~~SW-846 3550B Sonication~~ SW-846 3545 Accelerated Solvent Extraction (ASE) ~~MADEP -98-EPH~~

Date: 9.20.10 Time: 11:30 pm
Initials: SC

QC Batch ID: QP-092010-3-SC
Prep. Batch ID: PP-092010-3-SC

Sample #	Matrix	Weight (g)	① mL Surrogate	② mL Spike	Cook Down Date	Turbo Vap# (10mL)	③ mL Frac. Sur	F.V Before Frac.in C6	Volumetric Serial #	Ali. Vol. C6	Volumetric Serial #	Aro. Vol. MeCl2	Volumetric Serial #	Fractiontion Date	Turbo Vap # Ali (1mL)	Turbo Vap # Aro
B092010Base2	Na2SO4	15.00	1.0	—	9.21.10	4	1.0 EB	10mL	4003	1ml	1680	1ml	1710	9.21.10	4	2
L092010Base2	Sil sand	15.94	1.0	1.0	EB		1.0									
LD092010Base2		15.88	1.0	1.0			1.0									1
67835-1	Sand/rocks	15.50	1.0	—			1.0								4	1
-2	wet sand	15.14	1.0	—			1.0									
-3	sand	15.10	1.0	—			1.0									
-4		15.72	1.0	—			1.0									
-5		15.34	1.0	—			1.0									
-6		15.63	1.0	—			1.0									2
-6,MS		15.72	1.0	1.0			1.0								4	1
-6,MSD		15.49	1.0	1.0			1.0									
67834-1	Sand	15.73	1.0	—			1.0									
-2		15.10	1.0	—			1.0									
-3		15.59	1.0	—			1.0									
-4		15.57	1.0	—			1.0									2
-5		15.30	1.0	—			1.0								4	1
-6		15.45	1.0	—			1.0									
-15		15.18	1.0	—			1.0									
-15,MS		15.11	1.0	1.0			1.0									
-15,MSD		15.30	1.0	1.0			1.0									
-16		15.09	1.0	—			1.0									2
-17		15.52	1.0	—			1.0								4	
-18		15.47	1.0	—			1.0									

EB 9.21.10

EB 9.21.10

AEL_Documents:_TopLevelOldServer:AEL Documents LLC:logbooks:PREP LOGBOOKS.xls

Rev 2 10/09/09

VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: LB09280I
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	**1.3 J**	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	101	%	d8-Toluene	100	%	Bromofluorobenzen	100	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44020B.D Vial: 9
Acq On : 28 Sep 2010 11:23 am Operator: MT
Sample : LB09280I Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	113092	20.00 ug/L	0.02
39) 1,4-Difluorobenzene	7.95	114	209787 ✓	20.00 ug/L	0.02
63) *d5-Chlorobenzene	12.58	117	179781	20.00 ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.39	152	77571	20.00 ug/L	0.01

System Monitoring Compounds					
28) DB HOLDER #28	7.32	65	97387	20.15 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.75% ✓		
36) d4-1,2-Dichloroethane	7.32	65	97387	20.15 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.75% ✓		
54) d8-Toluene	10.24	98	224994	19.95 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.75% ✓		
73) Bromofluorobenzene	14.51	95	92239	20.09 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.45% ✓		

Target Compounds					Qvalue
~~5) Bromomethane~~	2.17	94	2231	~~0.95~~ ug/L	88
M 14) Methyl iodide	3.58	142	5399	1.30 ug/L	97
~~16) Methylene Chloride~~	3.85	84	12076	~~Below~~ Cal	93
~~96) Naphthalene~~	20.13	128	2044	~~1.08~~ ug/L	85

09290

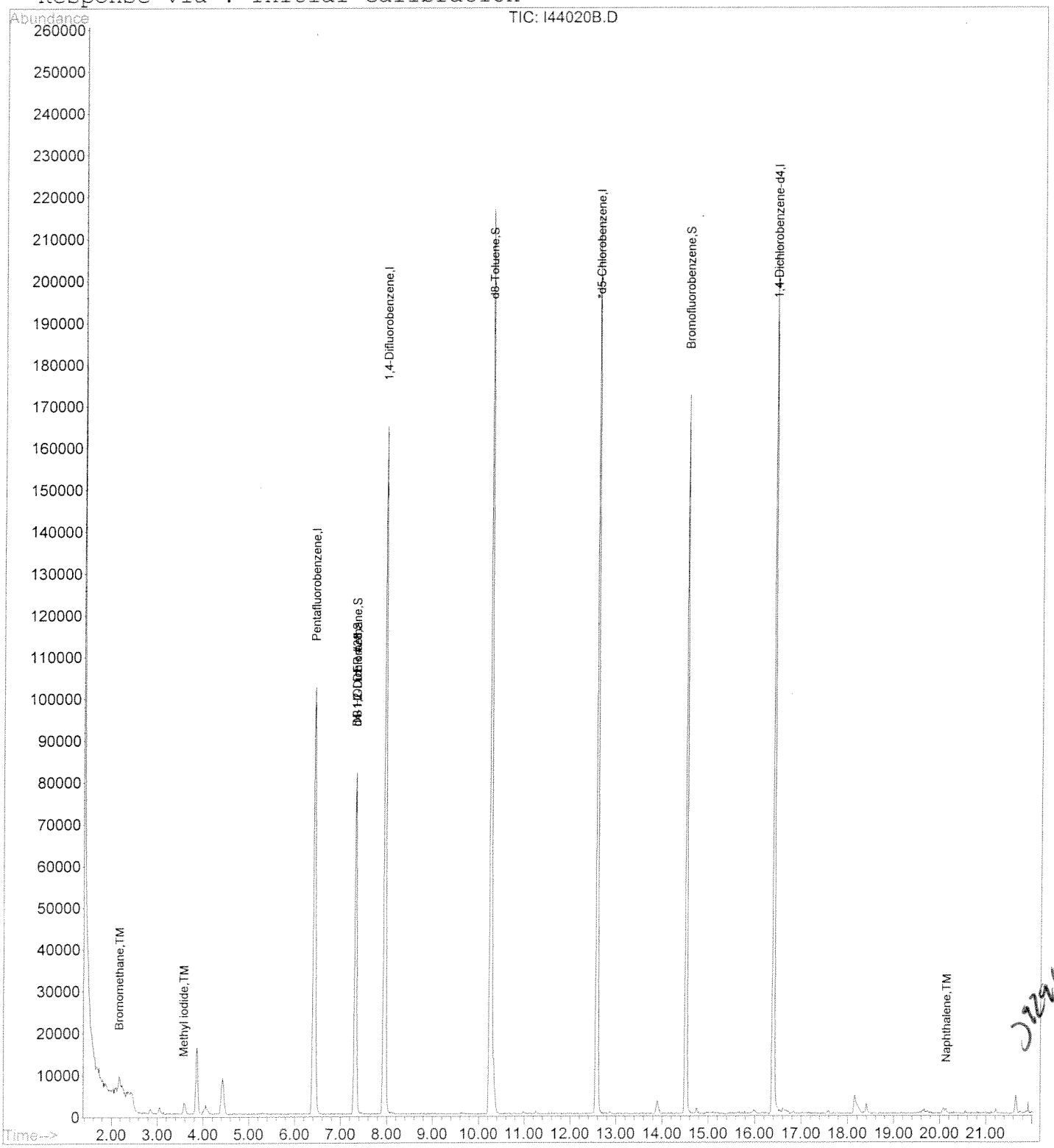
(#) = qualifier out of range (m) = manual integration
I44020B.D VS09270I.M Tue Sep 28 14:06:18 2010 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44020B.D Vial: 9
Acq On : 28 Sep 2010 11:23 am Operator: MT
Sample : LB09280I Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010 Quant Results File: VS09270I.RES

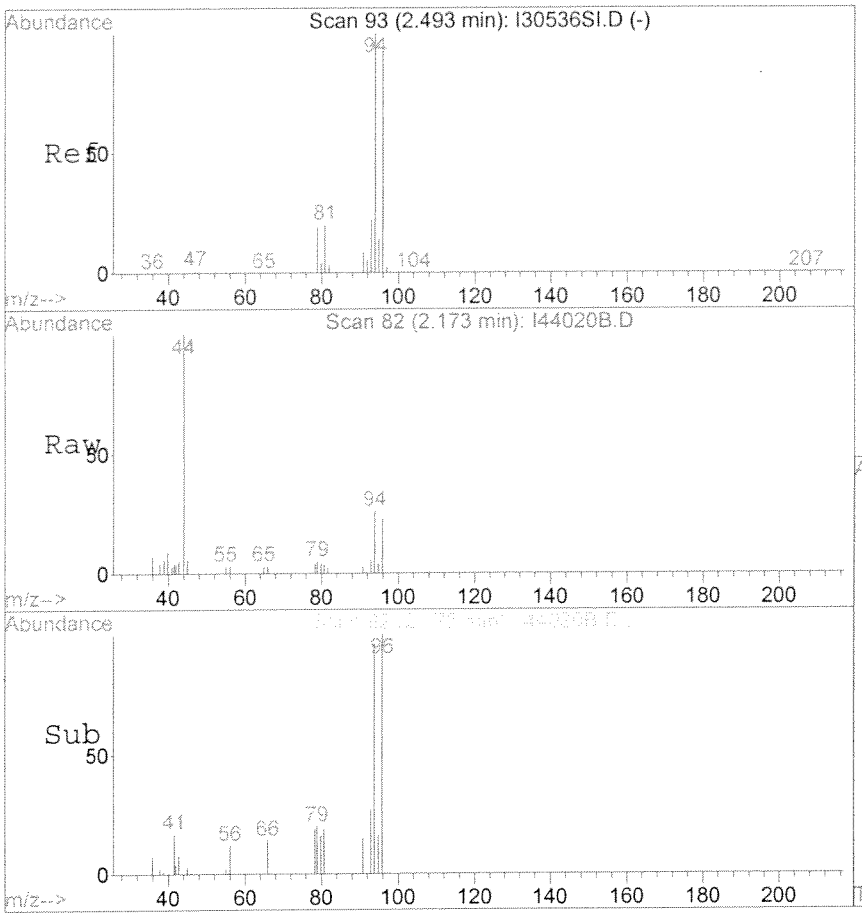
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



I44020B.D VS09270I.M Tue Sep 28 14:06:18 2010 Page 2

MT 9/29/10

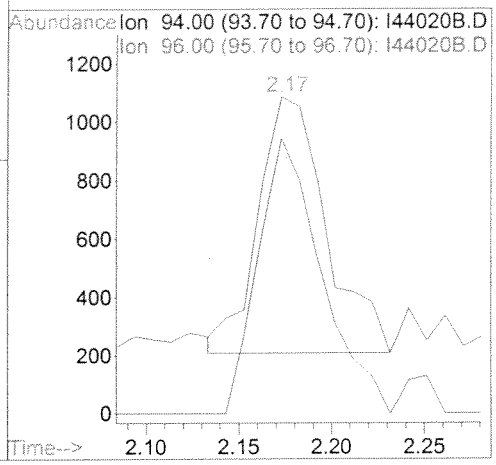


#5
Bromomethane
Concen: 0.95 ug/L
RT: 2.17 min Scan# 82
Delta R.T. 0.01 min
Lab File: I44020B.D
Acq: 28 Sep 2010 11:23 am

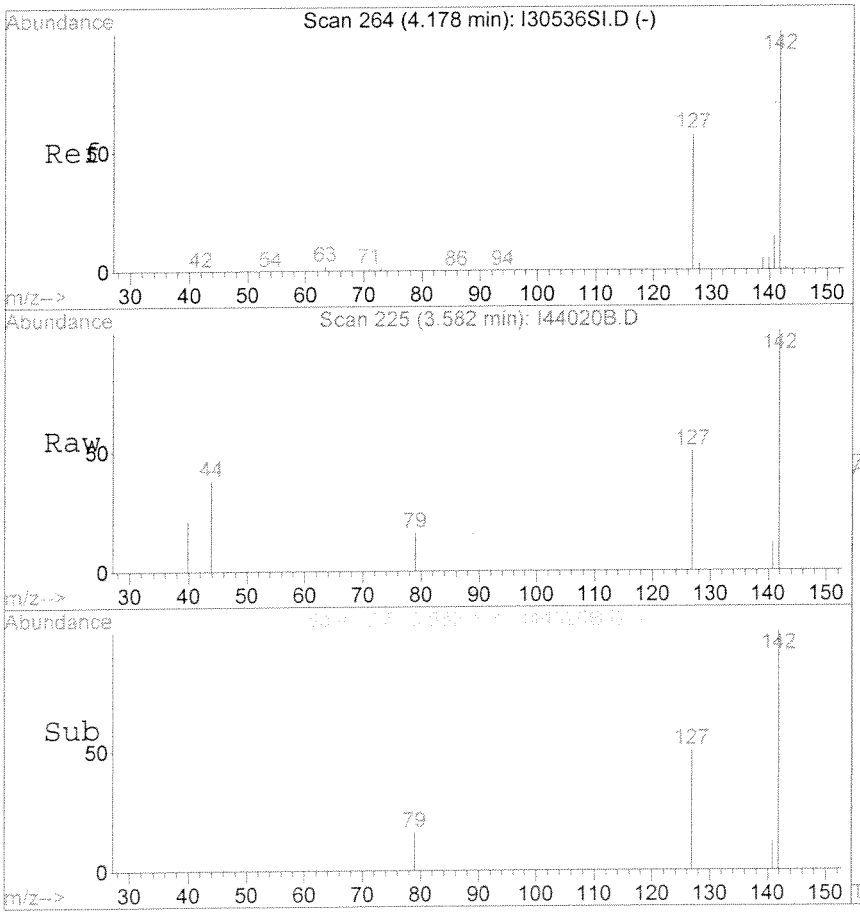
Tgt Ion: 94 Resp: 2231

Ion	Ratio	Lower	Upper
94	100		
96	107.8	76.0	116.0

X



L)

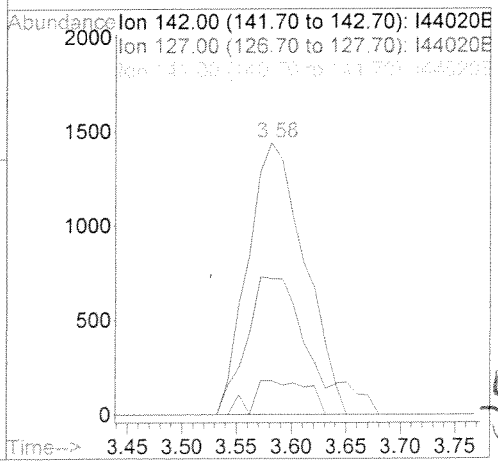


#14
Methyl iodide
Concen: 1.30 ug/L
RT: 3.58 min Scan# 225
Delta R.T. 0.02 min
Lab File: I44020B.D
Acq: 28 Sep 2010 11:23 am

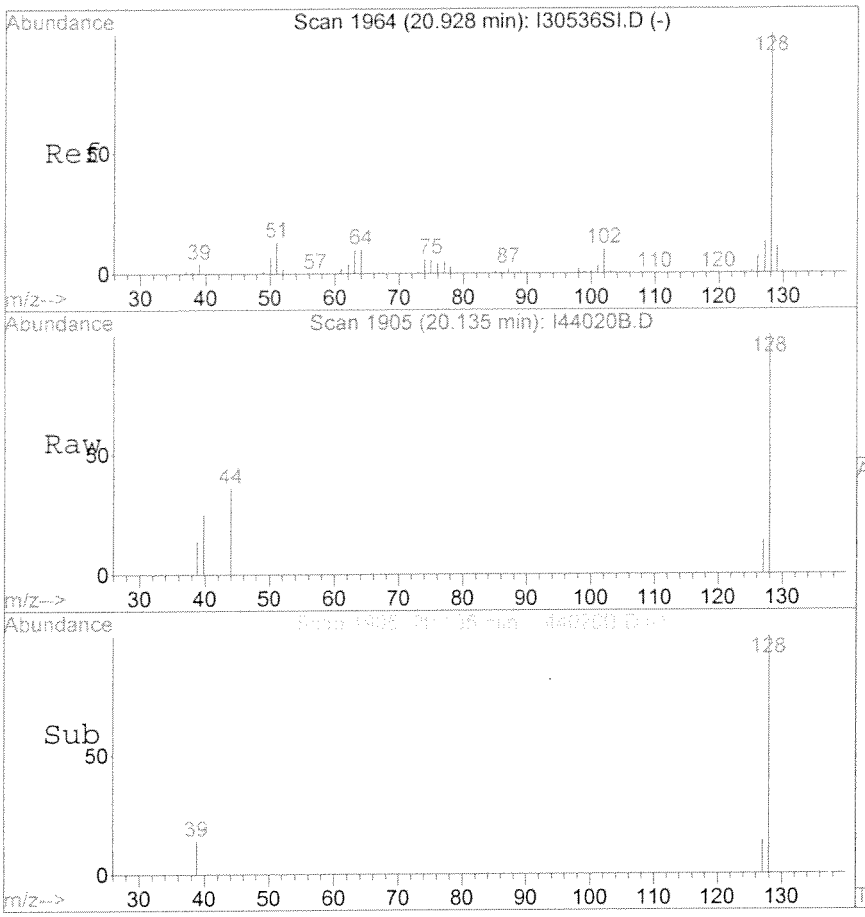
Tgt Ion:142 Resp: 5399

Ion	Ratio	Lower	Upper
142	100		
127	49.6	41.0	61.4
141	11.8	11.2	16.8

)



9/29/10



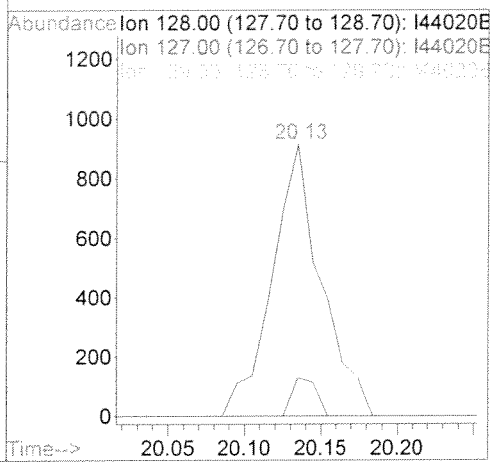
#96
Naphthalene
Concen: 1.08 ug/L
RT: 20.13 min Scan# 1905
Delta R.T. 0.01 min
Lab File: I44020B.D
Acq: 28 Sep 2010 11:23 am

MT 9/29/10

Tgt Ion:128 Resp: 2044

Ion	Ratio	Lower	Upper
128	100		
127	14.1	0.0	33.5
129	0.0	0.0	31.8

X



NO/CO

D9290

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: LB0928012
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	101 %	d8-Toluene	100 %	Bromofluorobenzen	99 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (QT Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44045B.D Vial: 34
Acq On : 28 Sep 2010 11:12 pm Operator: MT
Sample : LB09280I2 Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 10:18 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	109765	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	7.95	114	204517 ✓	20.00	ug/L	0.02
63) *d5-Chlorobenzene	12.58	117	177223	20.00	ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.40	152	75512	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.32	65	94694	20.19	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.95% ✓			
36) d4-1,2-Dichloroethane	7.32	65	94694	20.19	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.95% ✓			
54) d8-Toluene	10.25	98	219084	19.93	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.65% ✓			
73) Bromofluorobenzene	14.51	95	89686	19.82	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.10% ✓			

Target Compounds						Qvalue
~~5)~~ Bromomethane	2.18	94	1968m	<) ~~0.86~~	ug/L	
~~14)~~ Methyl iodide	3.59	142	3711	<) ~~0.92~~	ug/L #	95
~~16)~~ Methylene Chloride	3.86	84	10679	~~Below~~	Cal	88
~~96)~~ Naphthalene	20.13	128	923	<) ~~0.91~~	ug/L	68

ND

9/29/10

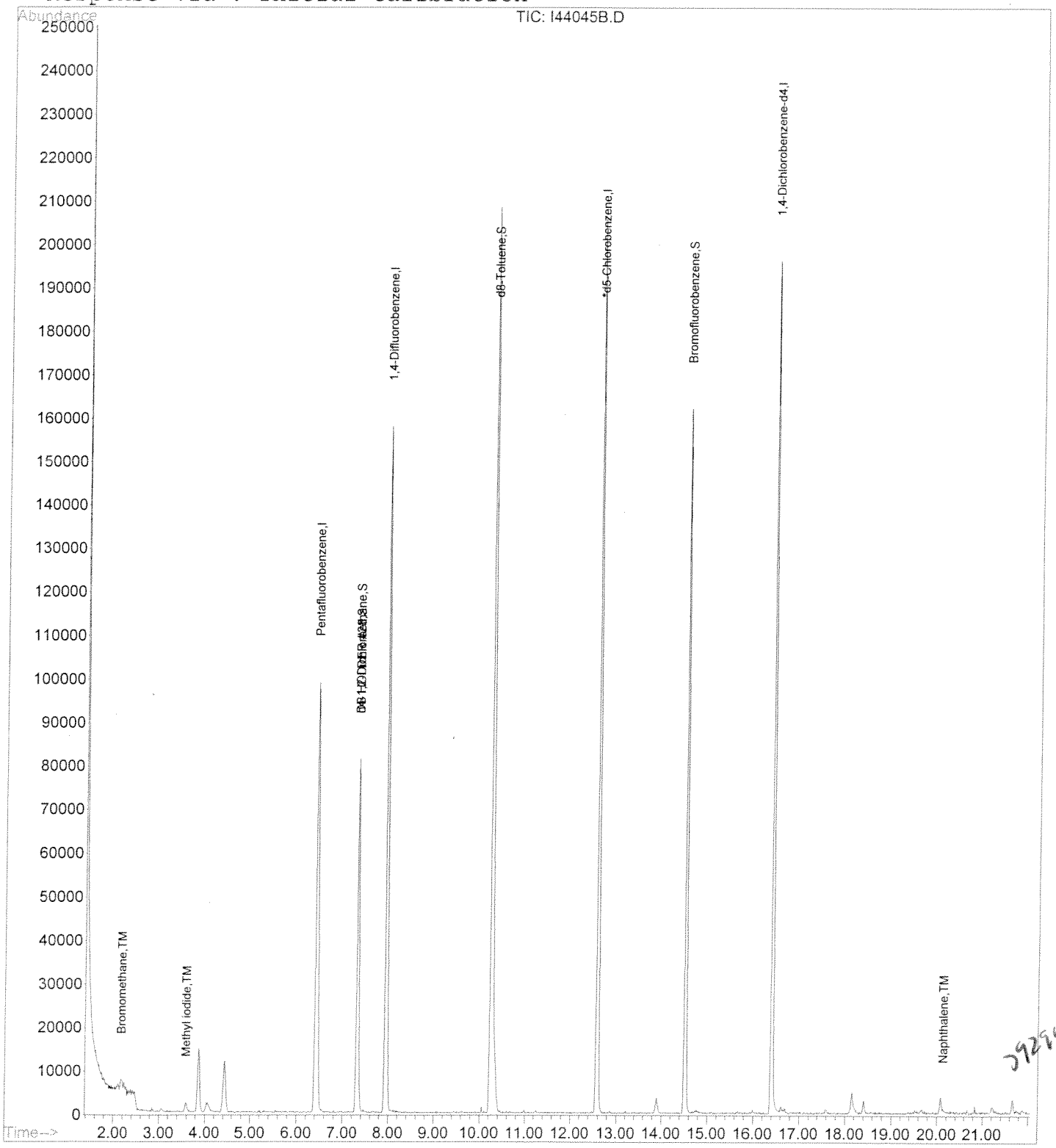
(#) = qualifier out of range (m) = manual integration
I44045B.D VS09270I.M Wed Sep 29 10:18:27 2010 Page 1

Quantitation Report

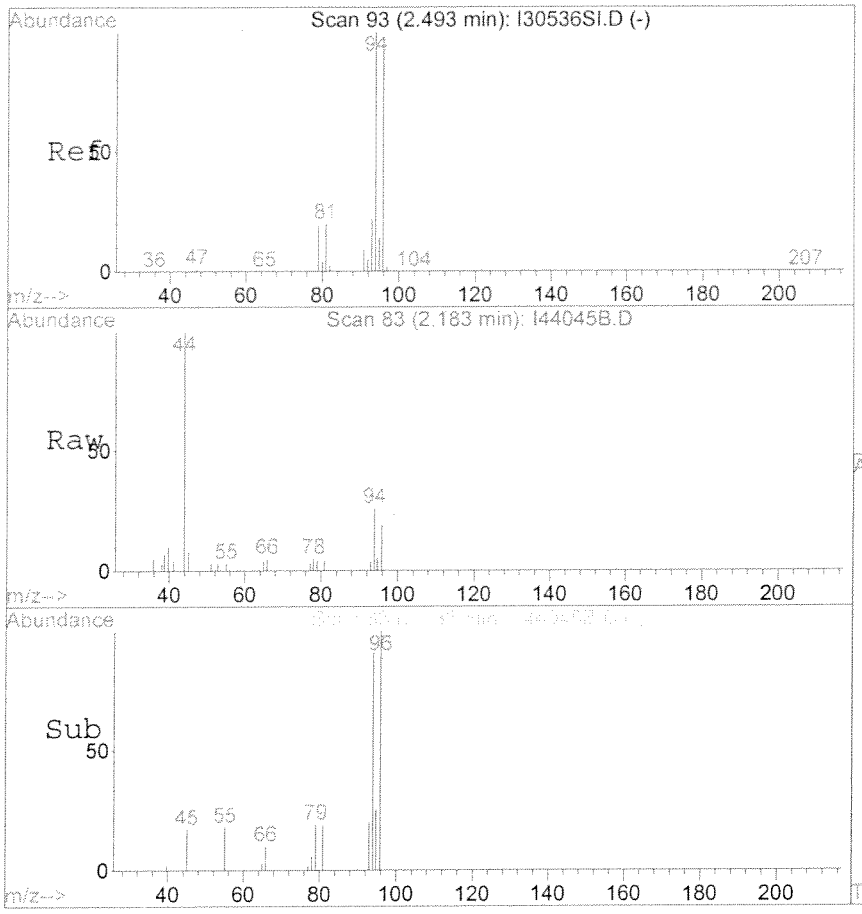
Data File : C:\HPCHEM\1\DATA\092810-I\I44045B.D Vial: 34
Acq On : 28 Sep 2010 11:12 pm Operator: MT
Sample : LB09280I2 Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 10:18 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



MT 9/29/10

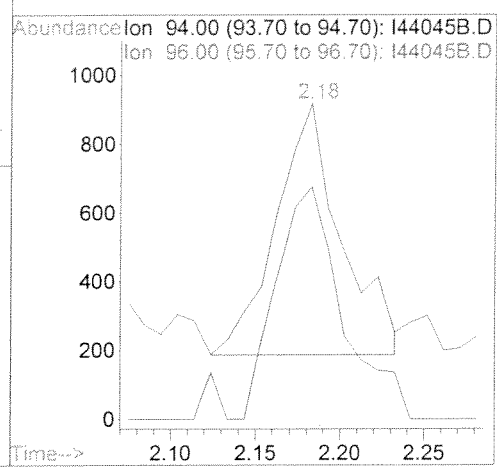


#5
Bromomethane
Concen: 0.86 ug/L m
RT: 2.18 min Scan# 83
Delta R.T. 0.02 min
Lab File: I44045B.D
Acq: 28 Sep 2010 11:12 pm

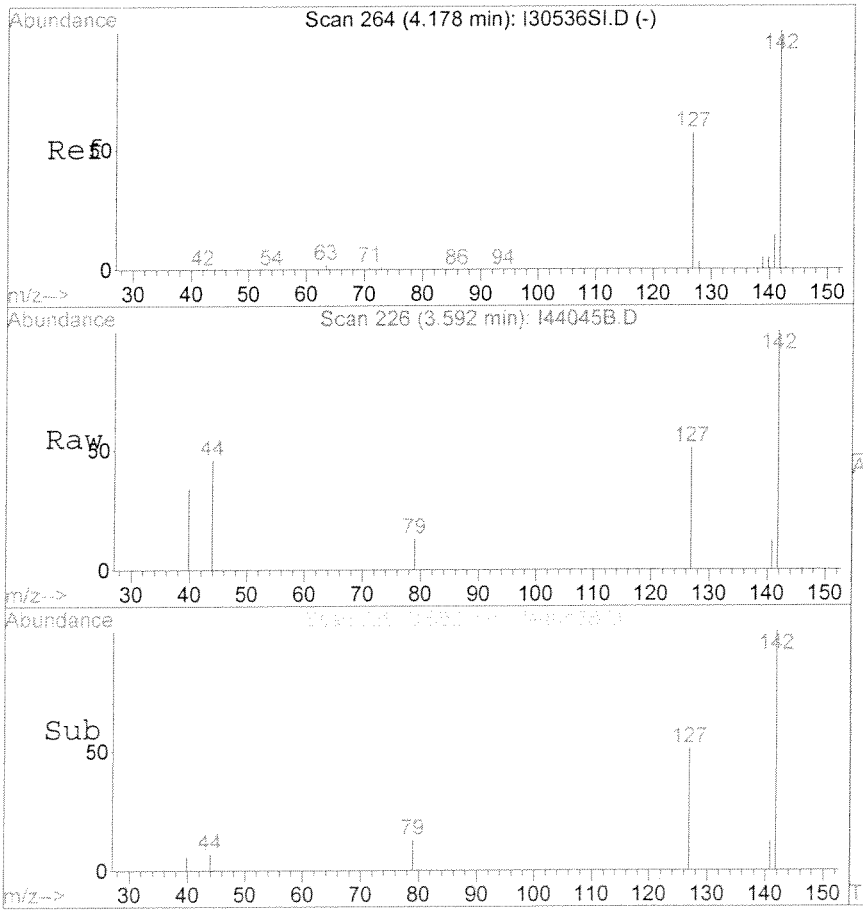
Tgt Ion: 94 Resp: 1968

Ion	Ratio	Lower	Upper
94	100		
96	73.6	76.0	116.0#

X



L)

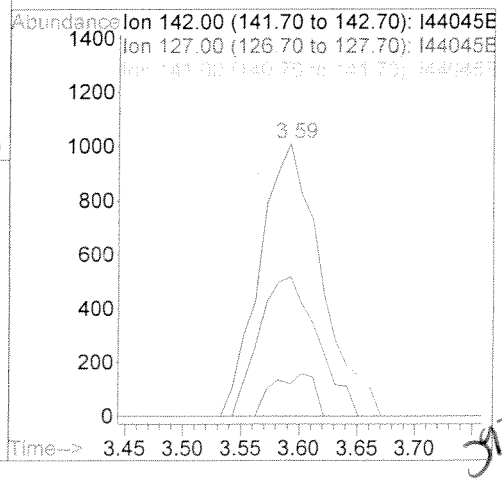


#14
Methyl iodide
Concen: 0.92 ug/L
RT: 3.59 min Scan# 226
Delta R.T. 0.03 min
Lab File: I44045B.D
Acq: 28 Sep 2010 11:12 pm

Tgt Ion:142 Resp: 3711

Ion	Ratio	Lower	Upper
142	100		
127	48.8	41.0	61.4
141	10.5	11.2	16.8#

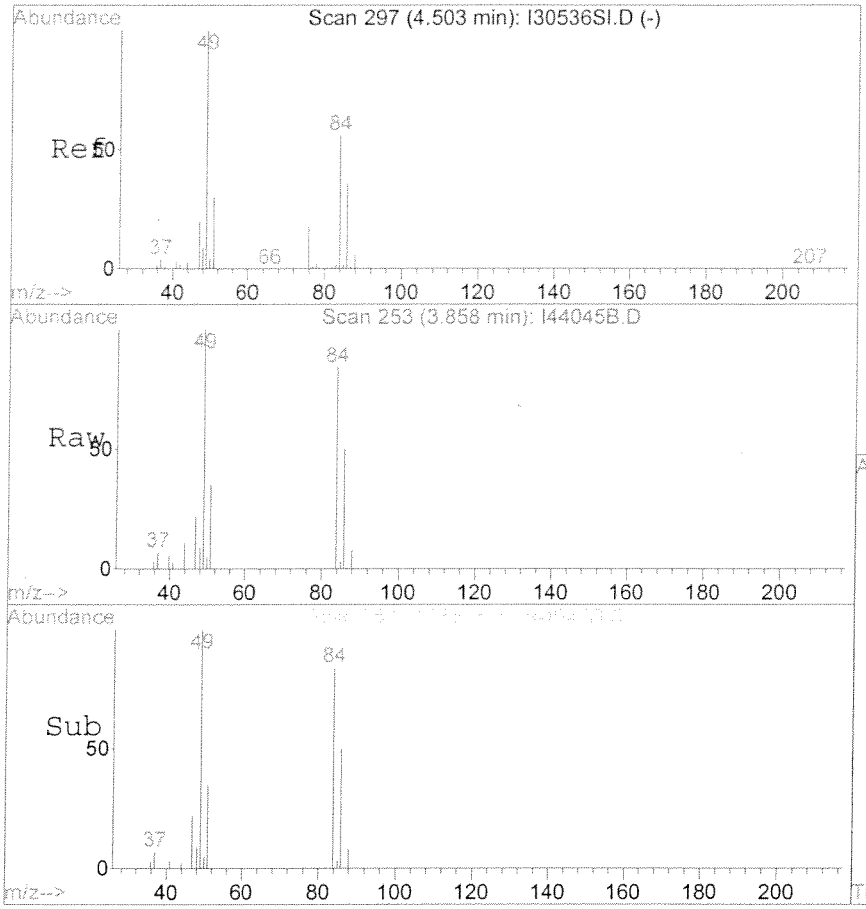
X



L)

3/29/10

MT 9/29/10

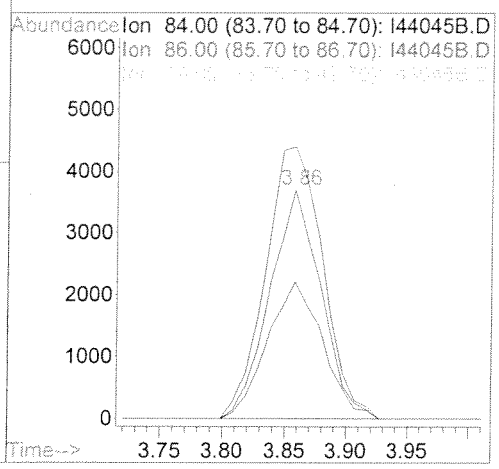


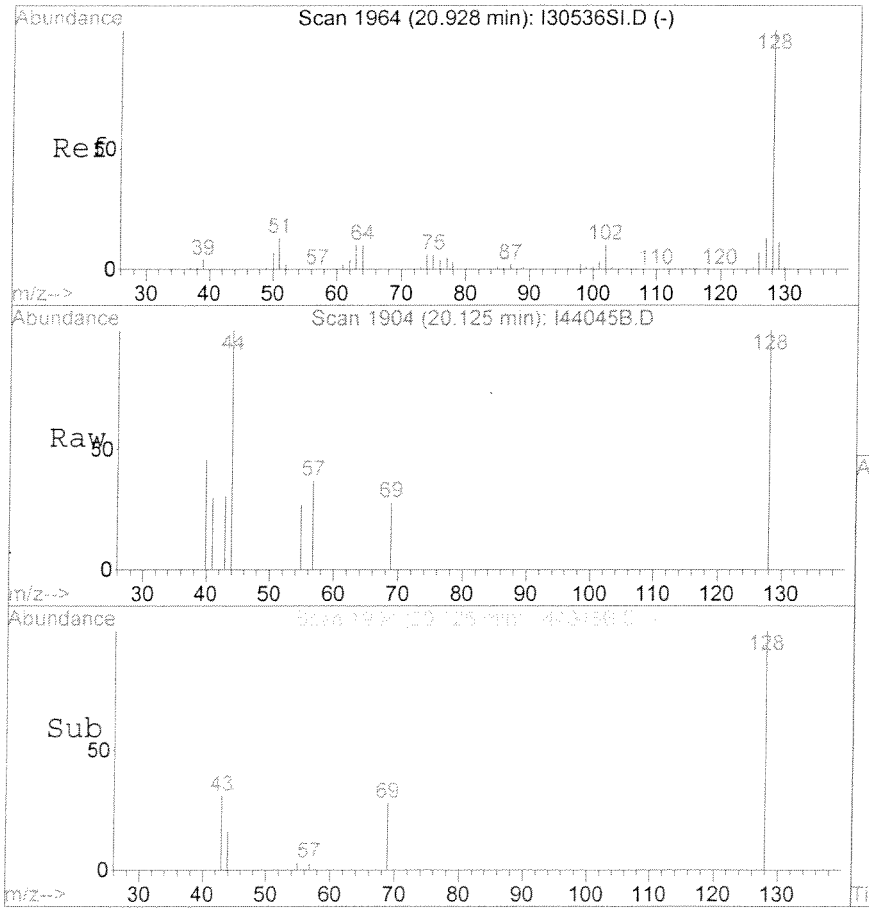
#16
Methylene Chloride
Concen: Below Cal
RT: 3.86 min Scan# 253
Delta R.T. 0.03 min
Lab File: I44045B.D
Acq: 28 Sep 2010 11:12 pm

Tgt Ion: 84 Resp: 10679

Ion	Ratio	Lower	Upper
84	100		
86	59.7	45.8	85.8
49	118.9	116.6	156.6

X





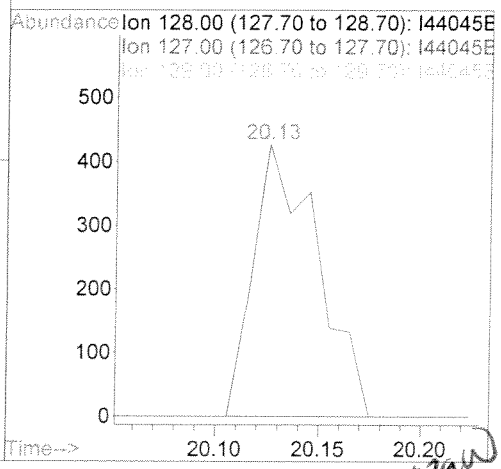
#96
Naphthalene
Concen: 0.91 ug/L
RT: 20.13 min Scan# 1904
Delta R.T. 0.01 min
Lab File: I44045B.D
Acq: 28 Sep 2010 11:12 pm

Tgt Ion:128 Resp: 923

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8

X

2)

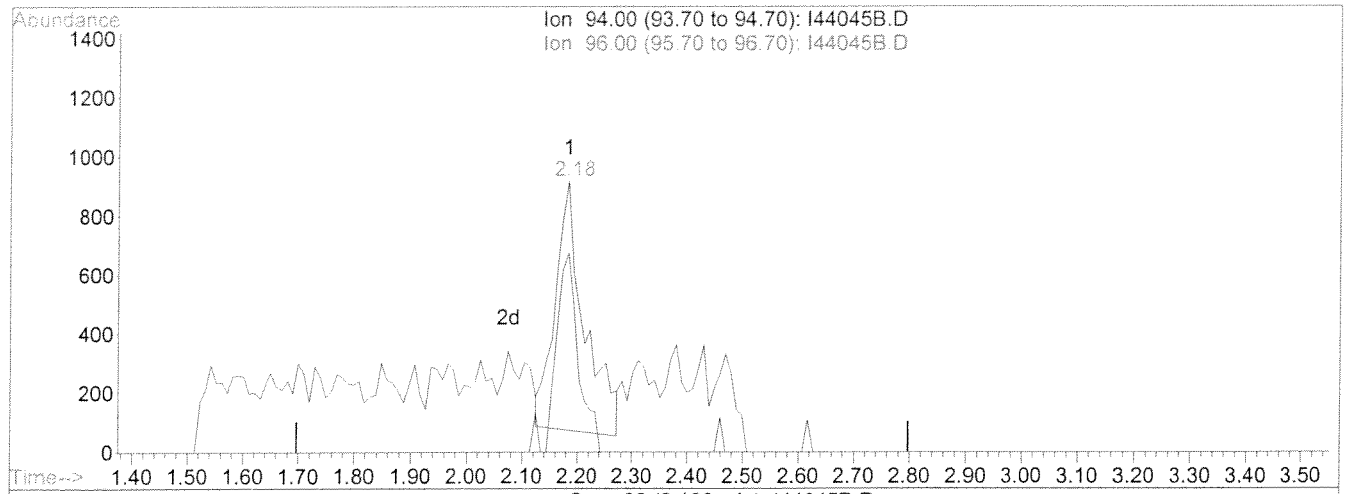


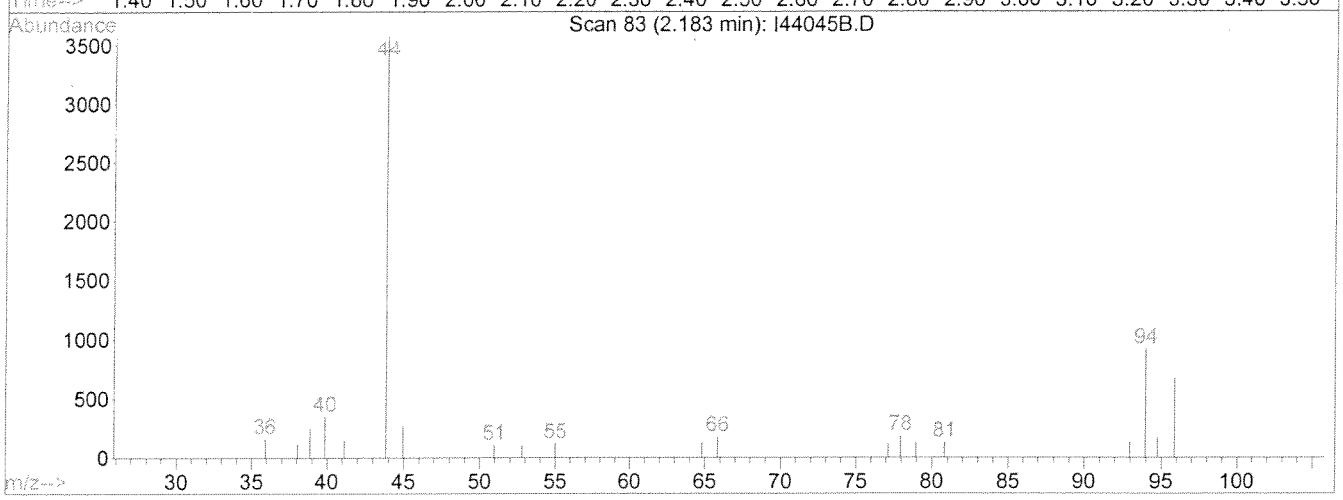
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\092810-I\I44045B.D Vial: 34
Acq On : 28 Sep 2010 11:12 pm Operator: MT
Sample : LB09280I2 Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 10:18 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10
e.a.





TIC: I44045B.D

(5) Bromomethane (TM)

2.18min 1.37ug/L

response 3135

Ion	Exp%	Act%
94.00	100	100
96.00	96.00	92.60
0.00	0.00	0.00
0.00	0.00	0.00

9/29/10

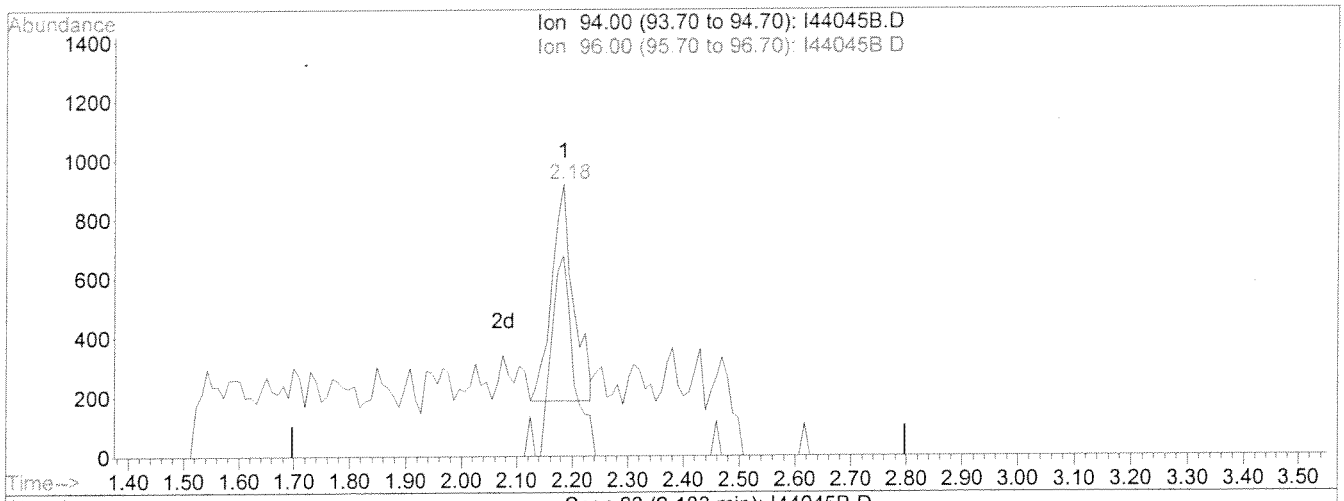
Quantitation Report (Qedit)

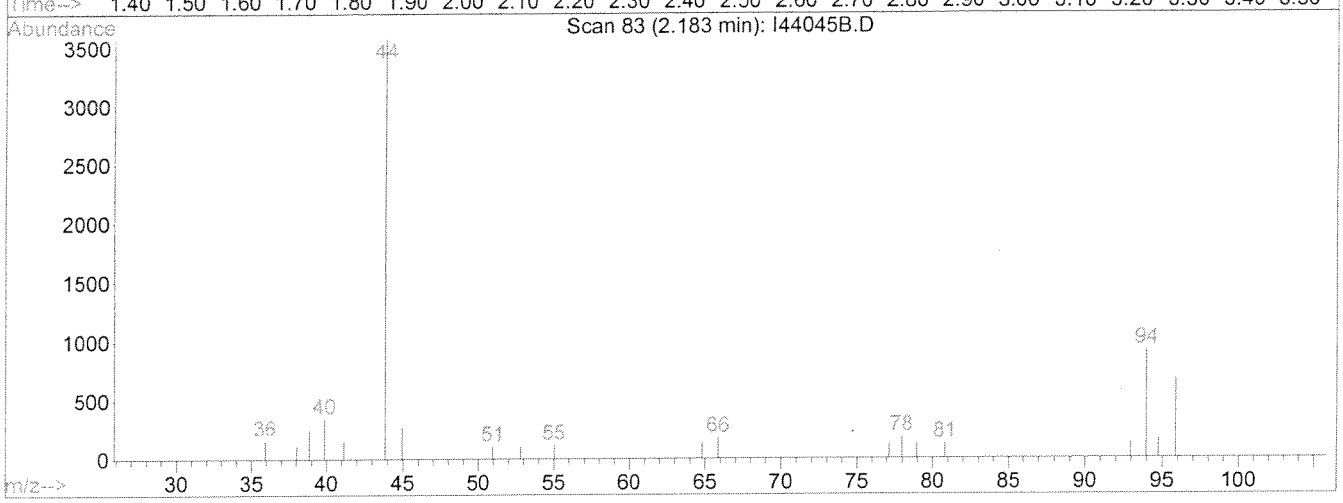
Data File : C:\HPCHEM\1\DATA\092810-I\I44045B.D
Acq On : 28 Sep 2010 11:12 pm
Sample : LB09280I2
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 10:18 2010

Vial: 34
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10





TIC: I44045B.D

(5) Bromomethane (TM)

2.18min 0.86ug/L m <J

response 1968

Ion	Exp%	Act%
94.00	100	100
96.00	96.00	73.64#
0.00	0.00	0.00
0.00	0.00	0.00

9/29/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-1
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM1-SW-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.3	U	1,1,2-Trichloroethane	2.3	U
Chloromethane	2.3	U	1,3-Dichloropropane	2.3	U
Vinyl Chloride	2.3	U	Tetrachloroethene	2.3	U
Bromomethane	2.3	U	2-Hexanone	12	U
Chloroethane	2.3	U	Dibromochloromethane	2.3	U
Trichlorofluoromethane	2.3	U	1,2-Dibromoethane	2.3	U
1,1-Dichloroethene	2.3	U	Chlorobenzene	2.3	U
Acetone	12	**35**	1,1,1,2-Tetrachloroethane	2.3	U
Methyl iodide	2.3	U	Ethylbenzene	2.3	U
Carbon Disulfide	2.3	U	o-Xylene	2.3	U
Methylene Chloride	12	**17**	m,p-Xylene	2.3	U
trans-1,2-Dichloroethene	2.3	U	Styrene	2.3	U
Methyl-tert-butyl ether (MTBE)	2.3	U	Bromoform	2.3	U
1,1-Dichloroethane	2.3	U	Isopropylbenzene	2.3	U
Vinyl acetate	5.8	U	1,1,2,2-Tetrachloroethane	2.3	U
Methyl ethyl ketone	12	U	Bromobenzene	2.3	U
cis-1,2-Dichloroethene	2.3	U	1,2,3-Trichloropropane	2.3	U
2,2-Dichloropropane	2.3	U	n-Propylbenzene	2.3	U
Bromochloromethane	2.3	U	2-Chlorotoluene	2.3	U
Chloroform	2.3	U	1,3,5-Trimethylbenzene	2.3	U
1,1,1-Trichloroethane	2.3	U	4-Chlorotoluene	2.3	U
1,1-Dichloropropene	2.3	U	tert-butylbenzene	2.3	U
Carbon Tetrachloride	2.3	U	1,2,4-Trimethylbenzene	2.3	U
1,2-Dichloroethane	2.3	U	sec-butylbenzene	2.3	U
Benzene	2.3	U	p-isopropyltoluene	2.3	U
Trichloroethene	2.3	U	1,3-Dichlorobenzene	2.3	U
1,2-Dichloropropane	2.3	U	1,4-Dichlorobenzene	2.3	U
Dibromomethane	2.3	U	n-butylbenzene	2.3	U
Bromodichloromethane	2.3	U	1,2-Dichlorobenzene	2.3	U
cis-1,3-Dichloropropene	2.3	U	1,2-Dibromo-3-chloropropane	2.3	U
Methyl isobutyl ketone	12	U	1,2,4-Trichlorobenzene	2.3	U
Toluene	2.3	U	Hexachlorobutadiene	2.3	U
trans-1,3-Dichloropropene	2.3	U	Naphthalene	2.3	U
			1,2,3-Trichlorobenzene	2.3	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane 104 % d8-Toluene 103 % Bromofluorobenzen 101 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44029.D
Acq On : 28 Sep 2010 3:40 pm
Sample : 67834-1
Misc : ,4.45,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:42 2010

Vial: 18
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5) / (4.45g)(.9645) = 1.2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	107160	20.00	ug/L	0.03
39) 1,4-Difluorobenzene	7.95	114	199406 ✓	20.00	ug/L	0.03
63) *d5-Chlorobenzene	12.57	117	170334	20.00	ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.40	152	73640	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.31	65	95611	20.88	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.40% ✓			
36) d4-1,2-Dichloroethane	7.31	65	95611	20.88	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.40% ✓			
54) d8-Toluene	10.25	98	220025	20.53	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.65% ✓			
73) Bromofluorobenzene	14.51	95	88135	20.26	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.30% ✓			

Target Compounds						Qvalue
5) Bromomethane	2.18	94	1438	<) ~~0.64~~	ug/L	82
12) Acetone	3.06	43	37707	✓ 30.13	ug/L	99
16) Methylene Chloride	3.85	84	63824	✓ 14.72	ug/L	100
43) Methyl acetate	3.66	43	3663	MT 1.20	ug/L #	79
60) Tetrachloroethene	11.35	166	1619	<) ~~0.57~~	ug/L	91
96) Naphthalene	20.13	128	394	<) ~~0.83~~	ug/L	68

>RPW

(#) = qualifier out of range (m) = manual integration
I44029.D VS09270I.M Wed Sep 29 06:42:58 2010 Page 1

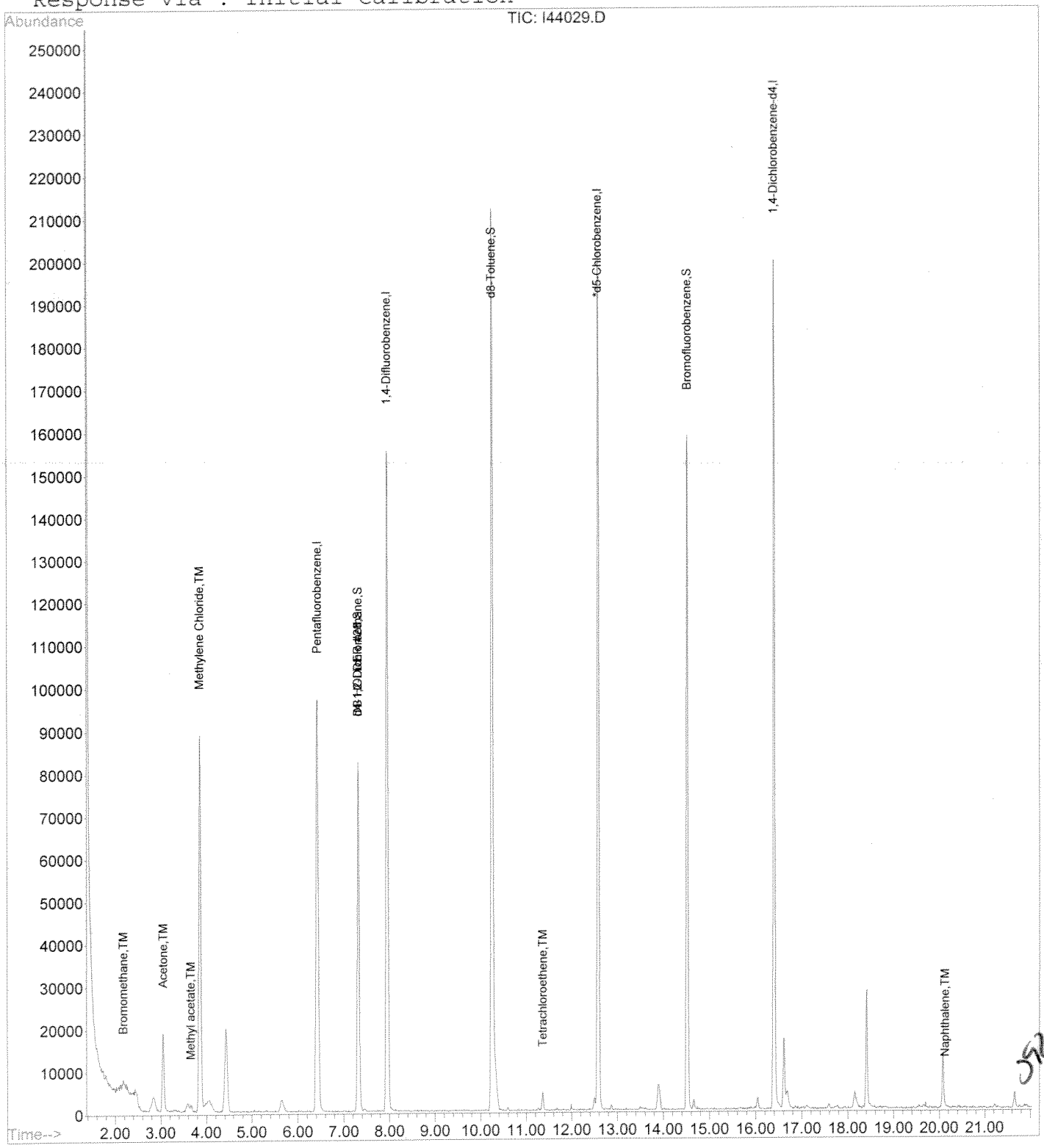
Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44029.D
Acq On : 28 Sep 2010 3:40 pm
Sample : 67834-1
Misc : ,4.45,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:42 2010

Vial: 18
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

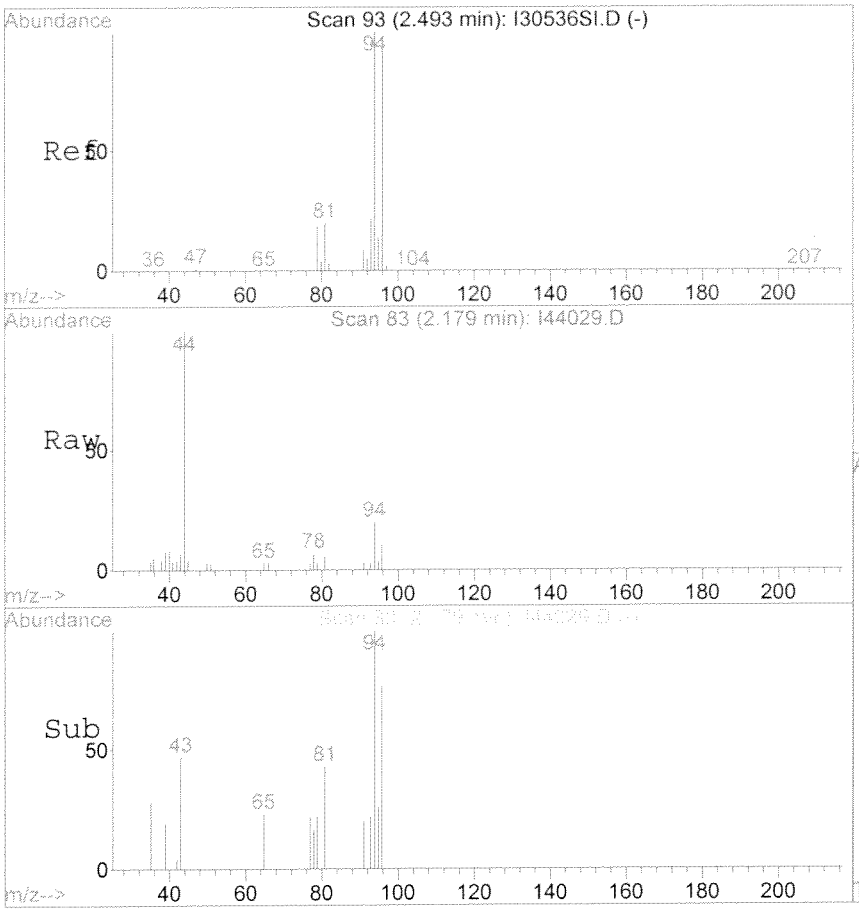
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



3529W

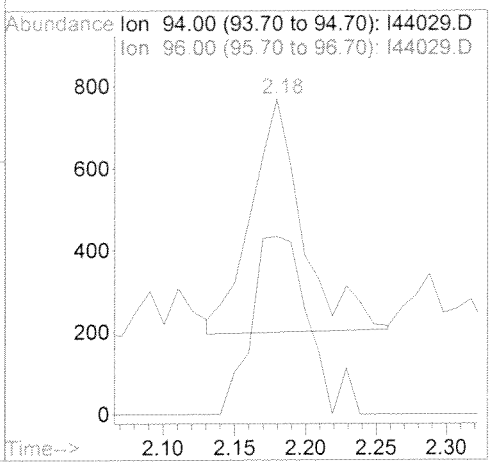
MT 9/29/10

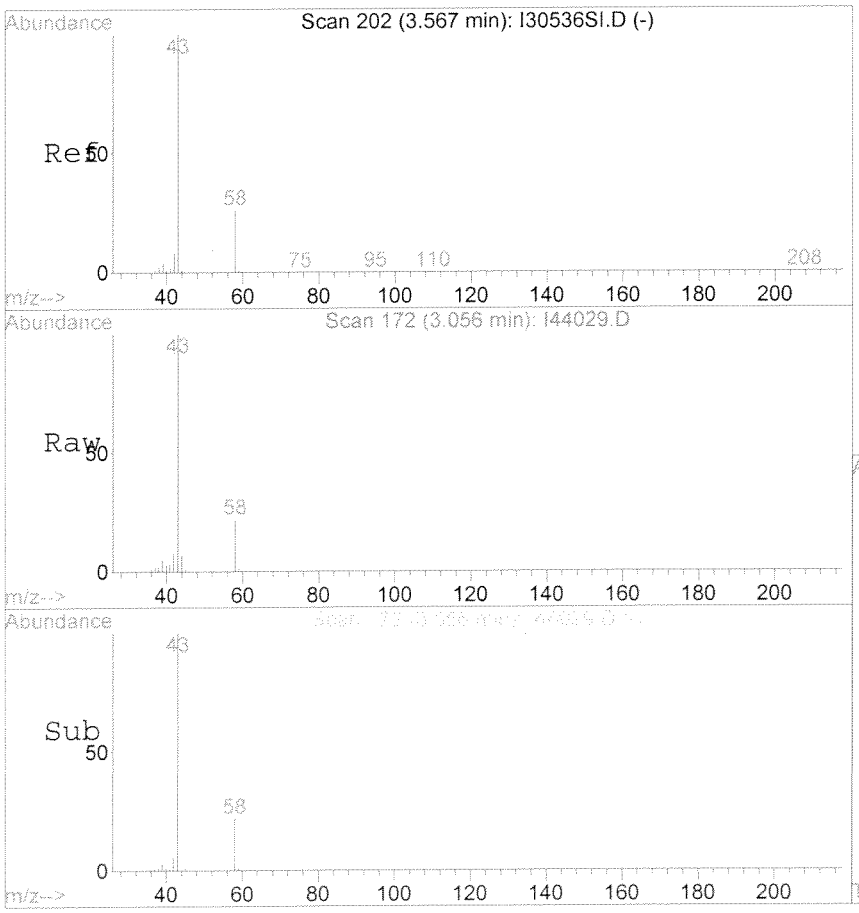


#5
Bromomethane
Concen: 0.64 ug/L
RT: 2.18 min Scan# 83
Delta R.T. 0.02 min
Lab File: I44029.D
Acq: 28 Sep 2010 3:40 pm

Tgt Ion: 94 Resp: 1438

Ion	Ratio	Lower	Upper
94	100		
96	78.3	76.0	116.0

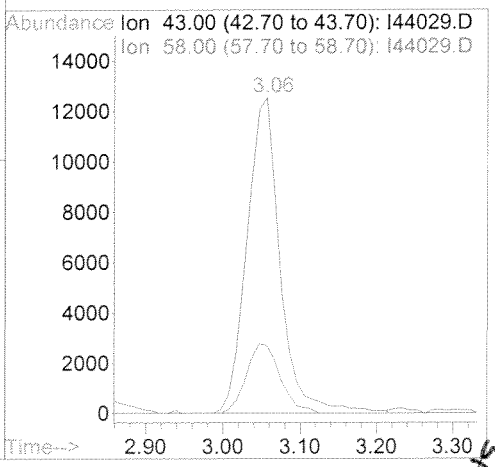


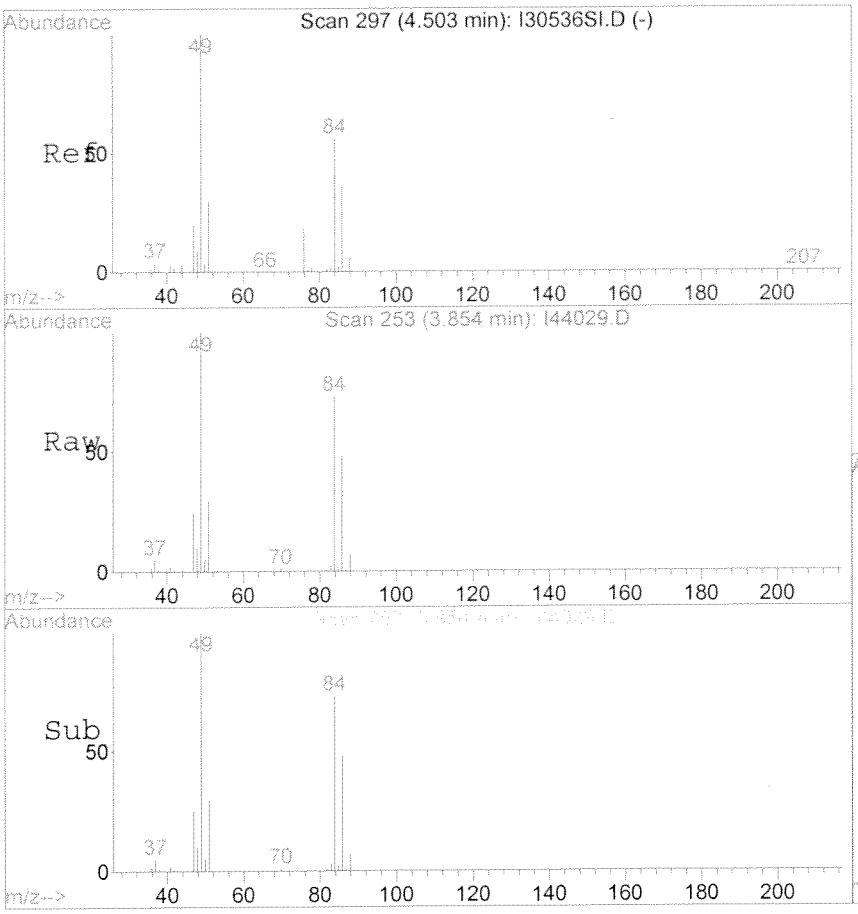


#12
Acetone
Concen: 30.13 ug/L
RT: 3.06 min Scan# 172
Delta R.T. 0.03 min
Lab File: I44029.D
Acq: 28 Sep 2010 3:40 pm

Tgt Ion: 43 Resp: 37707

Ion	Ratio	Lower	Upper
43	100		
58	22.4	18.3	27.5



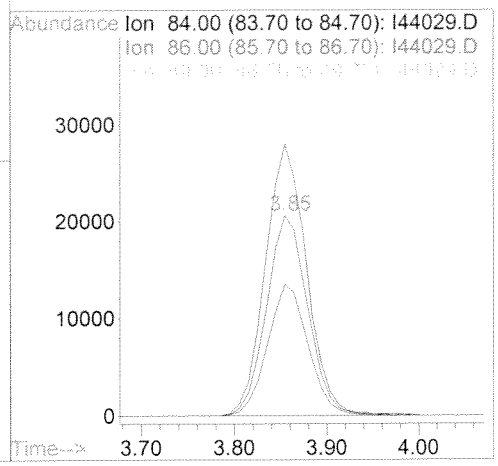


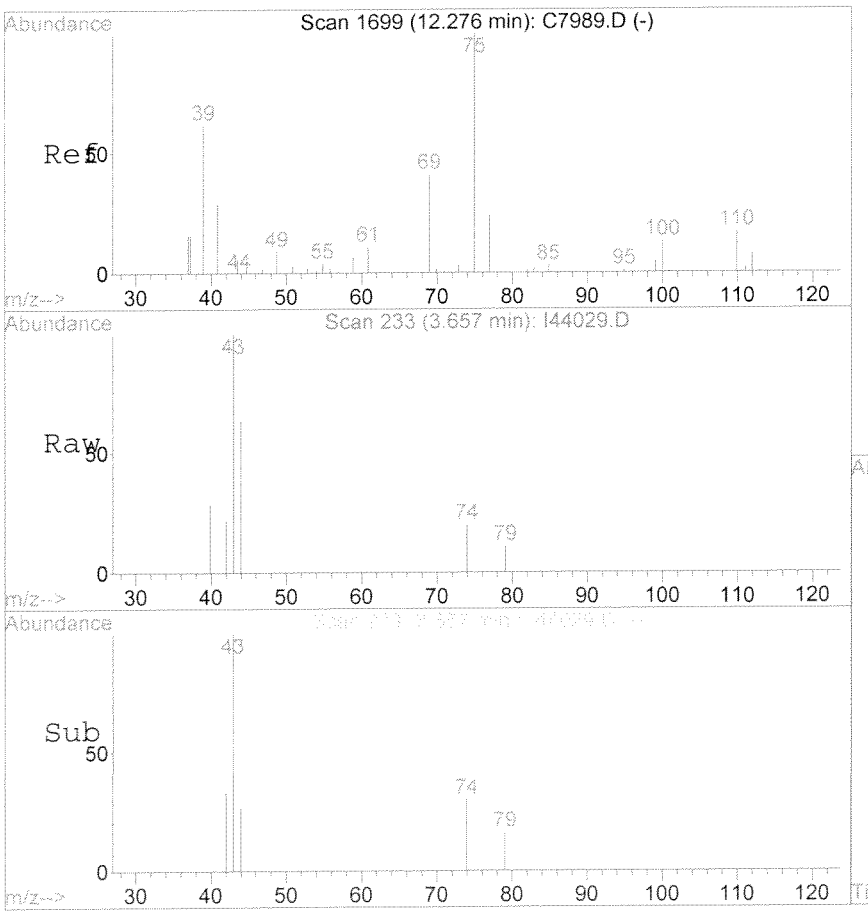
NT 9/29/10

#16
Methylene Chloride
Concen: 14.72 ug/L
RT: 3.85 min Scan# 253
Delta R.T. 0.03 min
Lab File: I44029.D
Acq: 28 Sep 2010 3:40 pm

Tgt Ion: 84 Resp: 63824

Ion	Ratio	Lower	Upper
84	100		
86	65.4	45.8	85.8
49	136.2	116.6	156.6



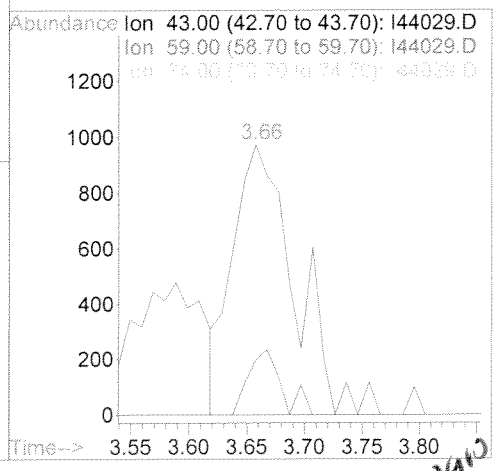


#43
Methyl acetate
Concen: 1.20 ug/L
RT: 3.66 min Scan# 233
Delta R.T. 0.02 min
Lab File: I44029.D
Acq: 28 Sep 2010 3:40 pm

Tgt Ion: 43 Resp: 3663

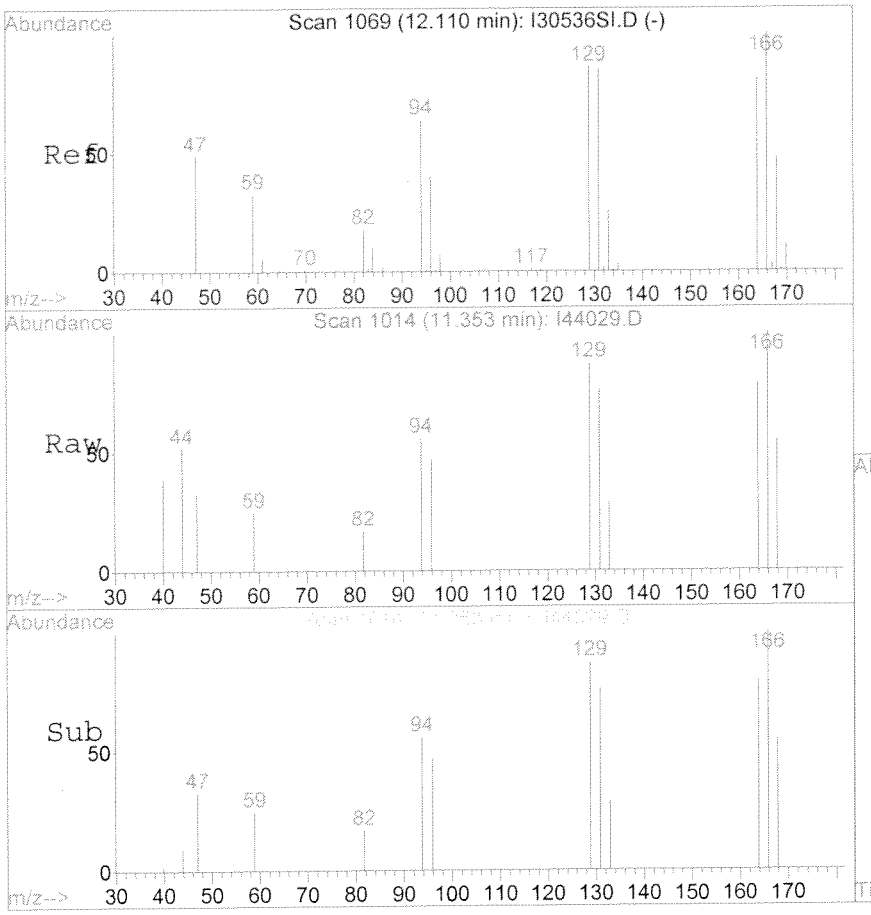
Ion	Ratio	Lower	Upper
43	100		
59	0.0	7.6	11.4#
74	11.0	15.8	23.6#

NT



9/29/10

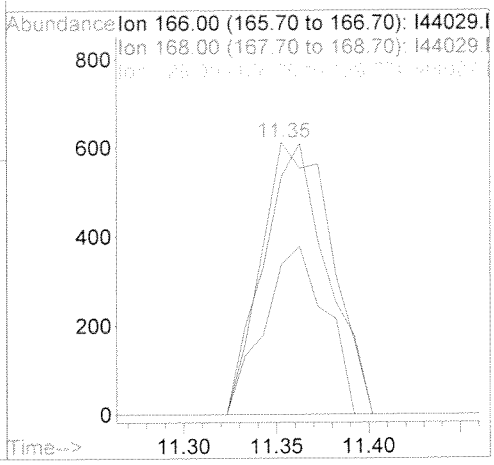
MT 9/29/10

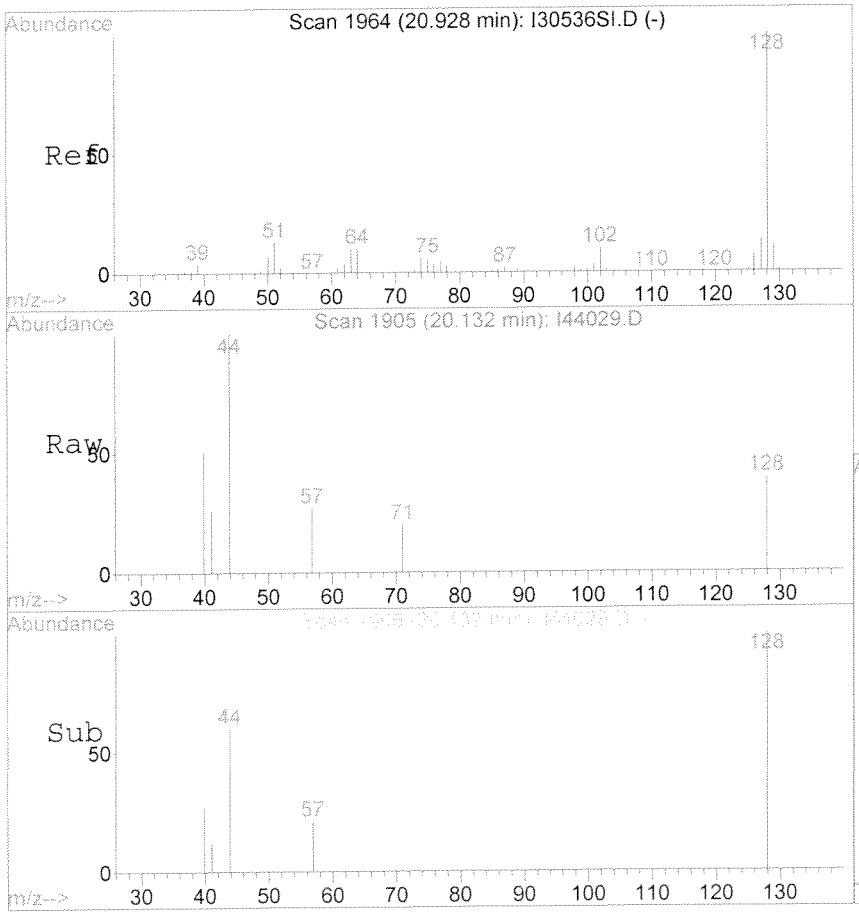


#60
Tetrachloroethene
Concen: 0.57 ug/L
RT: 11.35 min Scan# 1014
Delta R.T. 0.01 min
Lab File: I44029.D
Acq: 28 Sep 2010 3:40 pm

Tgt Ion:166 Resp: 1619

Ion	Ratio	Lower	Upper
166	100		
168	55.2	29.9	69.9
129	87.4	59.2	99.2

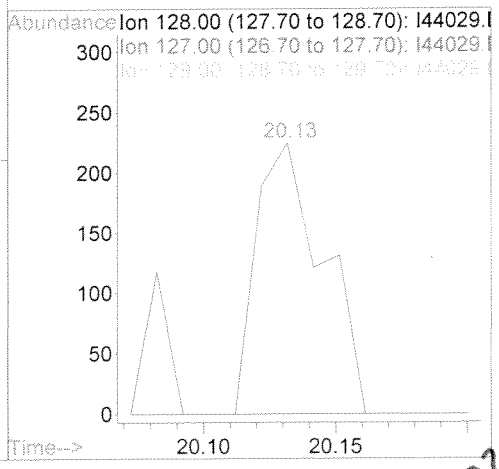




#96
Naphthalene
Concen: 0.83 ug/L
RT: 20.13 min Scan# 1905
Delta R.T. 0.01 min
Lab File: I44029.D
Acq: 28 Sep 2010 3:40 pm

Tgt Ion:128 Resp: 394

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8



092910

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-2
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM1-SW-02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.1	U	1,1,2-Trichloroethane	2.1	U
Chloromethane	2.1	U	1,3-Dichloropropane	2.1	U
Vinyl Chloride	2.1	U	Tetrachloroethene	2.1	U
Bromomethane	2.1	U	2-Hexanone	10	U
Chloroethane	2.1	U	Dibromochloromethane	2.1	U
Trichlorofluoromethane	2.1	U	1,2-Dibromoethane	2.1	U
1,1-Dichloroethene	2.1	U	Chlorobenzene	2.1	U
Acetone	10	**27**	1,1,1,2-Tetrachloroethane	2.1	U
Methyl iodide	2.1	U	Ethylbenzene	2.1	U
Carbon Disulfide	2.1	U	o-Xylene	2.1	U
Methylene Chloride	10	**12**	m,p-Xylene	2.1	U
trans-1,2-Dichloroethene	2.1	U	Styrene	2.1	U
Methyl-tert-butyl ether (MTBE)	2.1	U	Bromoform	2.1	U
1,1-Dichloroethane	2.1	U	Isopropylbenzene	2.1	U
Vinyl acetate	5.2	U	1,1,2,2-Tetrachloroethane	2.1	U
Methyl ethyl ketone	10	U	Bromobenzene	2.1	U
cis-1,2-Dichloroethene	2.1	U	1,2,3-Trichloropropane	2.1	U
2,2-Dichloropropane	2.1	U	n-Propylbenzene	2.1	U
Bromochloromethane	2.1	U	2-Chlorotoluene	2.1	U
Chloroform	2.1	U	1,3,5-Trimethylbenzene	2.1	U
1,1,1-Trichloroethane	2.1	U	4-Chlorotoluene	2.1	U
1,1-Dichloropropene	2.1	U	tert-butylbenzene	2.1	U
Carbon Tetrachloride	2.1	U	1,2,4-Trimethylbenzene	2.1	U
1,2-Dichloroethane	2.1	U	sec-butylbenzene	2.1	U
Benzene	2.1	U	p-isopropyltoluene	2.1	U
Trichloroethene	2.1	U	1,3-Dichlorobenzene	2.1	U
1,2-Dichloropropane	2.1	U	1,4-Dichlorobenzene	2.1	U
Dibromomethane	2.1	U	n-butylbenzene	2.1	U
Bromodichloromethane	2.1	U	1,2-Dichlorobenzene	2.1	U
cis-1,3-Dichloropropene	2.1	U	1,2-Dibromo-3-chloropropane	2.1	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2.1	U
Toluene	2.1	U	Hexachlorobutadiene	2.1	U
trans-1,3-Dichloropropene	2.1	U	Naphthalene	2.1	U
			1,2,3-Trichlorobenzene	2.1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105	%	d8-Toluene	100	%	Bromofluorobenzen	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44030.D
Acq On : 28 Sep 2010 4:08 pm
Sample : 67834-2
Misc : ,5.32,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:43 2010

Vial: 19
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5) / (5.325)(.8997) = 1.0

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	109865	20.00	ug/L	0.03
39) 1,4-Difluorobenzene	7.95	114	203308	20.00	ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	176992 ✓	20.00	ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.39	152	74429	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.31	65	98255	20.93	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.65% ✓			
36) d4-1,2-Dichloroethane	7.31	65	98255	20.93	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.65% ✓			
54) d8-Toluene	10.24	98	218504	20.00	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.00% ✓			
73) Bromofluorobenzene	14.51	95	88021	19.47	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.35% ✓			

Target Compounds						Qvalue
9) Diethyl ether	2.81	74	1547	NO ~~1.09~~	ug/L #	42
12) Acetone	3.05	43	33689	✓ 26.26	ug/L	100
16) Methylene Chloride	3.85	84	55349	✓ 11.49	ug/L	99
43) Methyl acetate	3.58	43	4430	~~1.42~~	ug/L #	62
60) Tetrachloroethene	11.36	166	1640	~~0.57~~	ug/L	94
96) Naphthalene	20.15	128	483	~~0.85~~	ug/L	68

9/29/10

(#) = qualifier out of range (m) = manual integration
I44030.D VS09270I.M Wed Sep 29 06:43:05 2010

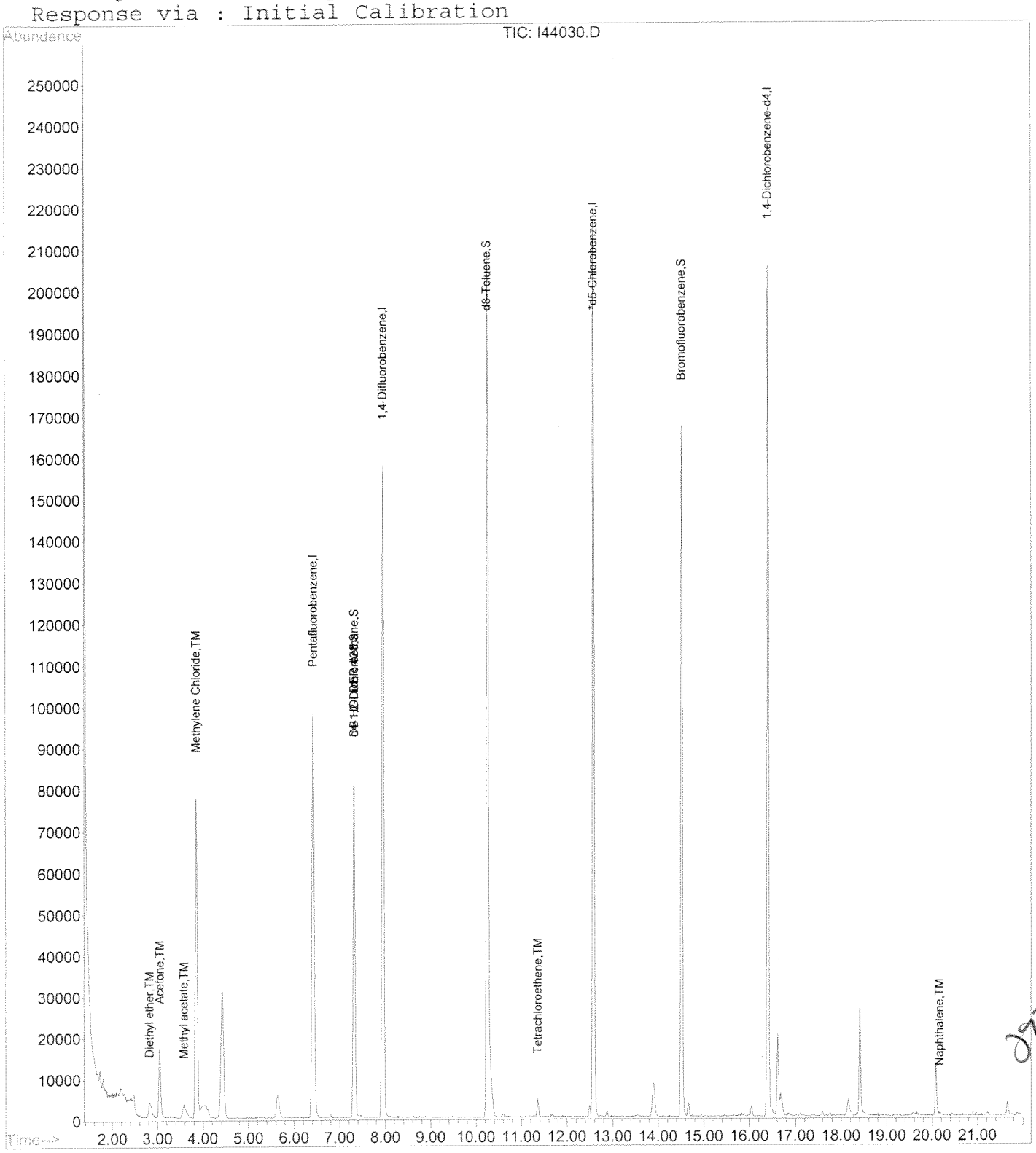
Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44030.D
Acq On : 28 Sep 2010 4:08 pm
Sample : 67834-2
Misc : ,5.32,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:43 2010

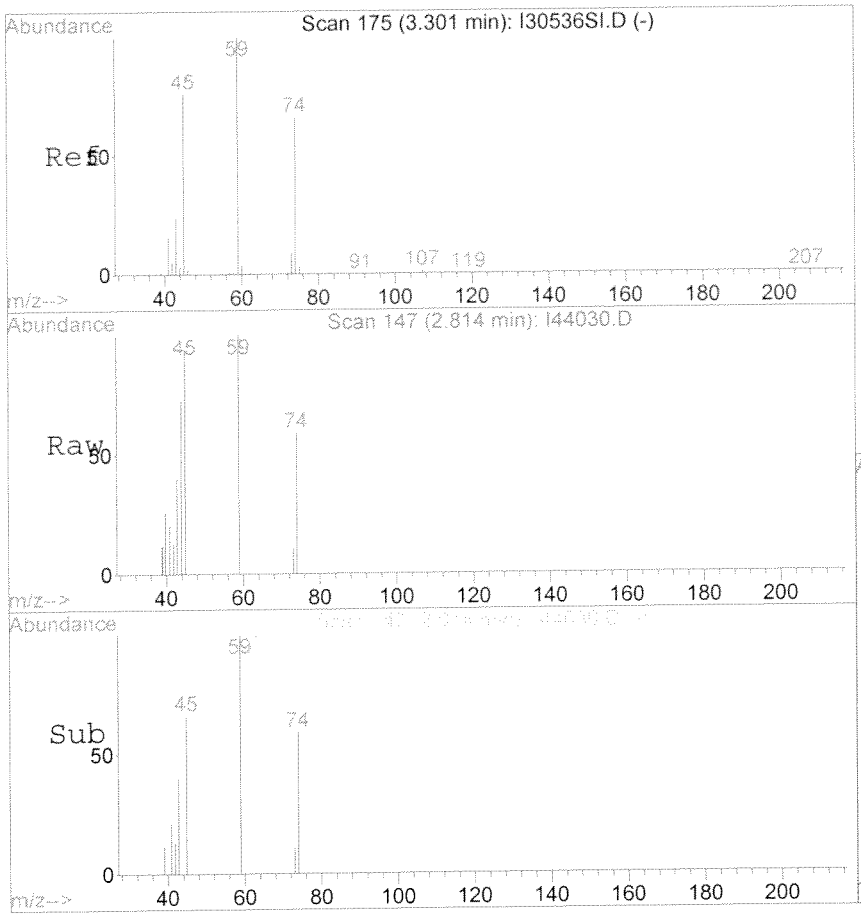
Vial: 19
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



9/29/10

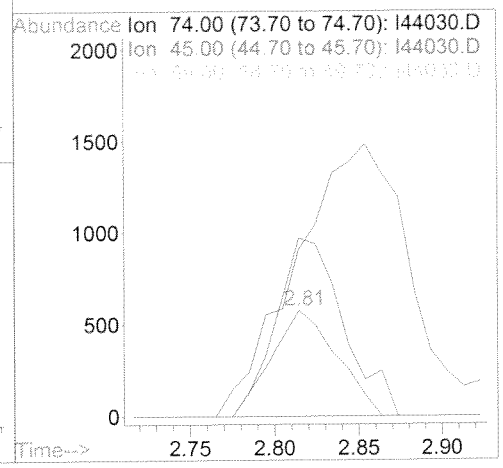


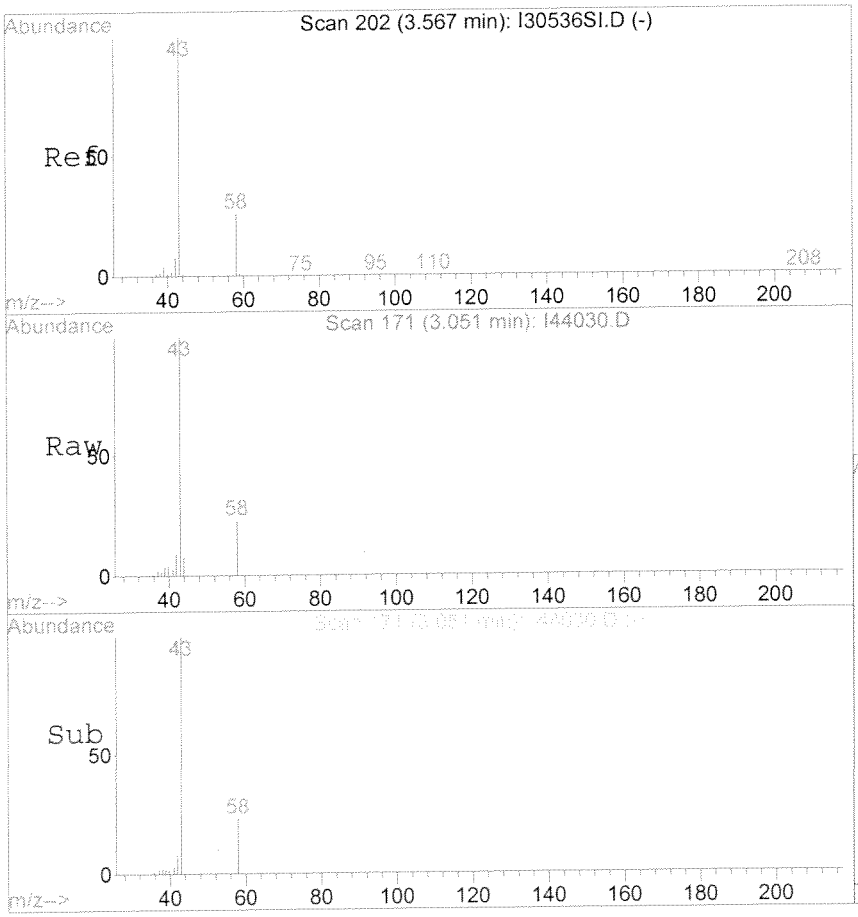
#9 MT 9/29/10
Diethyl ether
Concen: 1.09 ug/L
RT: 2.81 min Scan# 147
Delta R.T. 0.02 min
Lab File: I44030.D
Acq: 28 Sep 2010 4:08 pm

Tgt Ion: 74 Resp: 1547

Ion	Ratio	Lower	Upper
74	100		
45	0.0	107.2	160.8#
59	174.9	127.4	191.2

X MJ



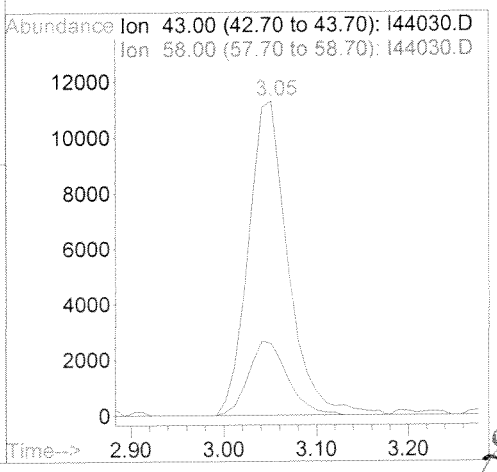


#12
Acetone
Concen: 26.26 ug/L
RT: 3.05 min Scan# 171
Delta R.T. 0.03 min
Lab File: I44030.D
Acq: 28 Sep 2010 4:08 pm

Tgt Ion: 43 Resp: 33689

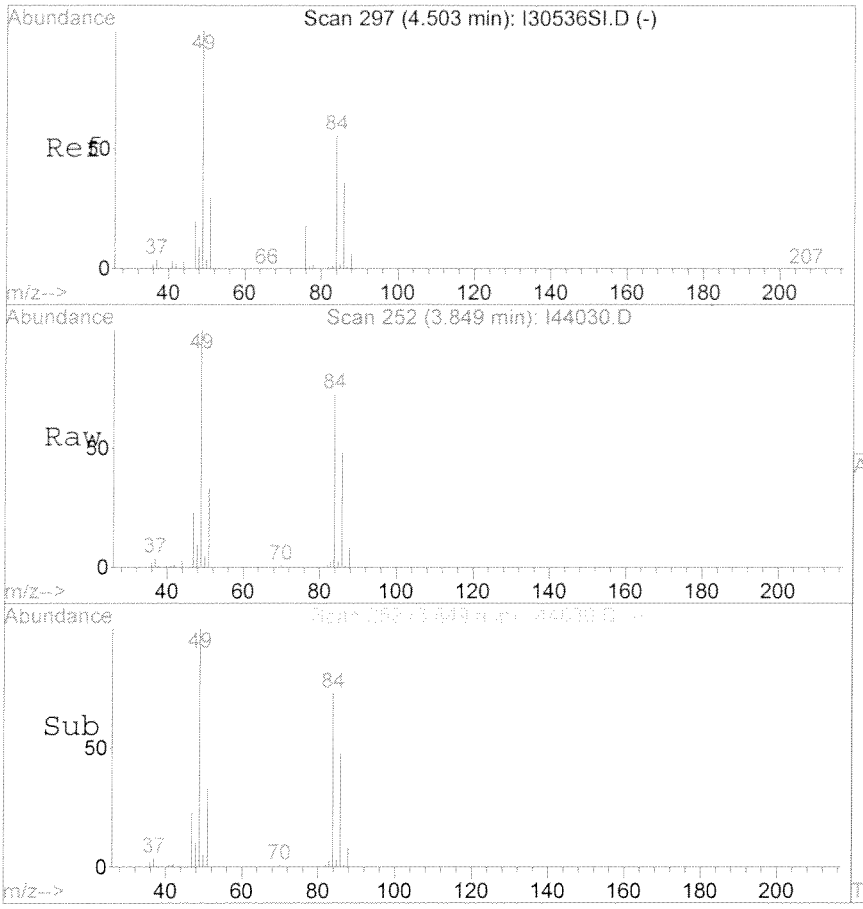
Ion	Ratio	Lower	Upper
43	100		
58	23.1	18.3	27.5

✓



9/29/10

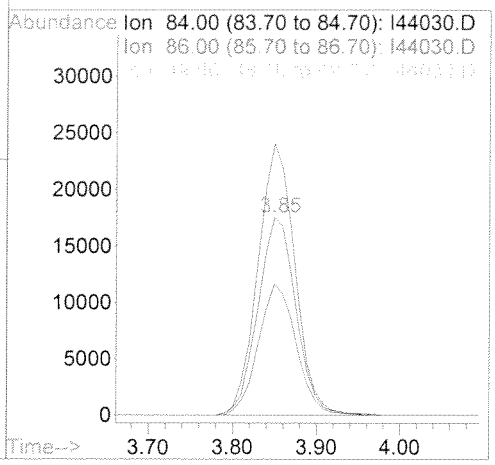
MT 9/29/10

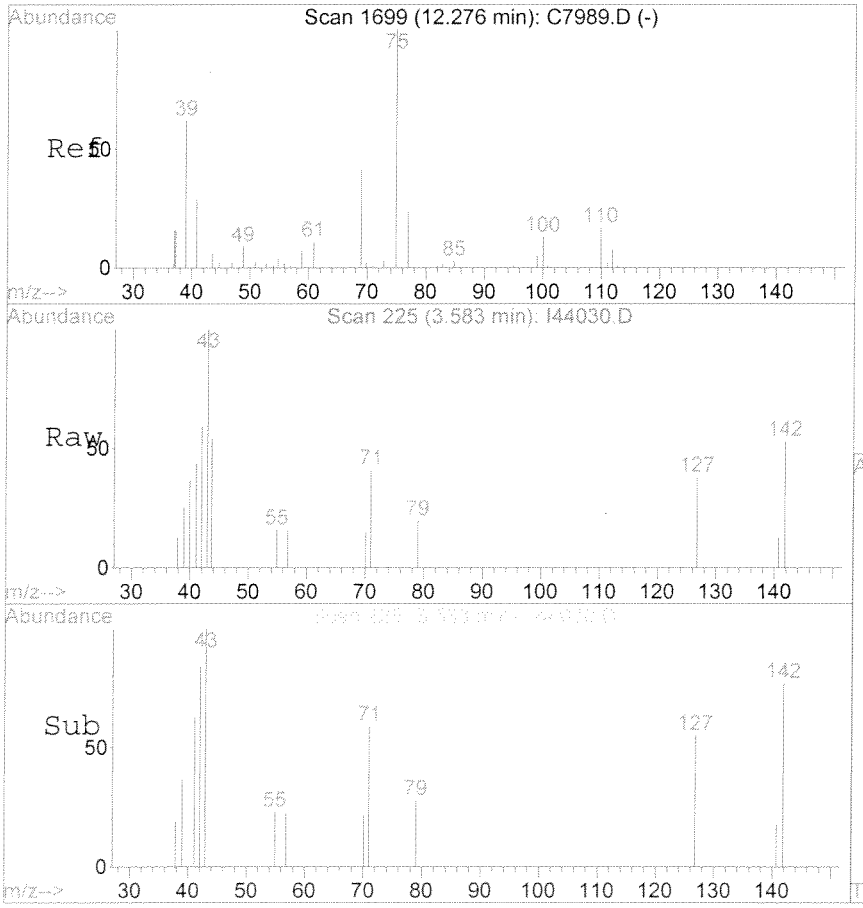


#16
Methylene Chloride
Concen: 11.49 ug/L
RT: 3.85 min Scan# 252
Delta R.T. 0.03 min
Lab File: I44030.D
Acq: 28 Sep 2010 4:08 pm

Tgt Ion: 84 Resp: 55349

Ion	Ratio	Lower	Upper
84	100		
86	67.6	45.8	85.8
49	137.3	116.6	156.6

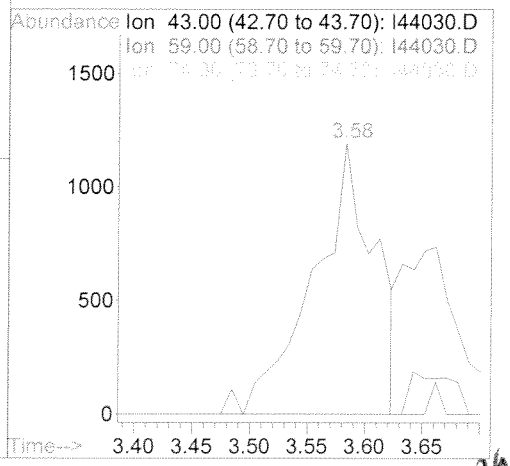




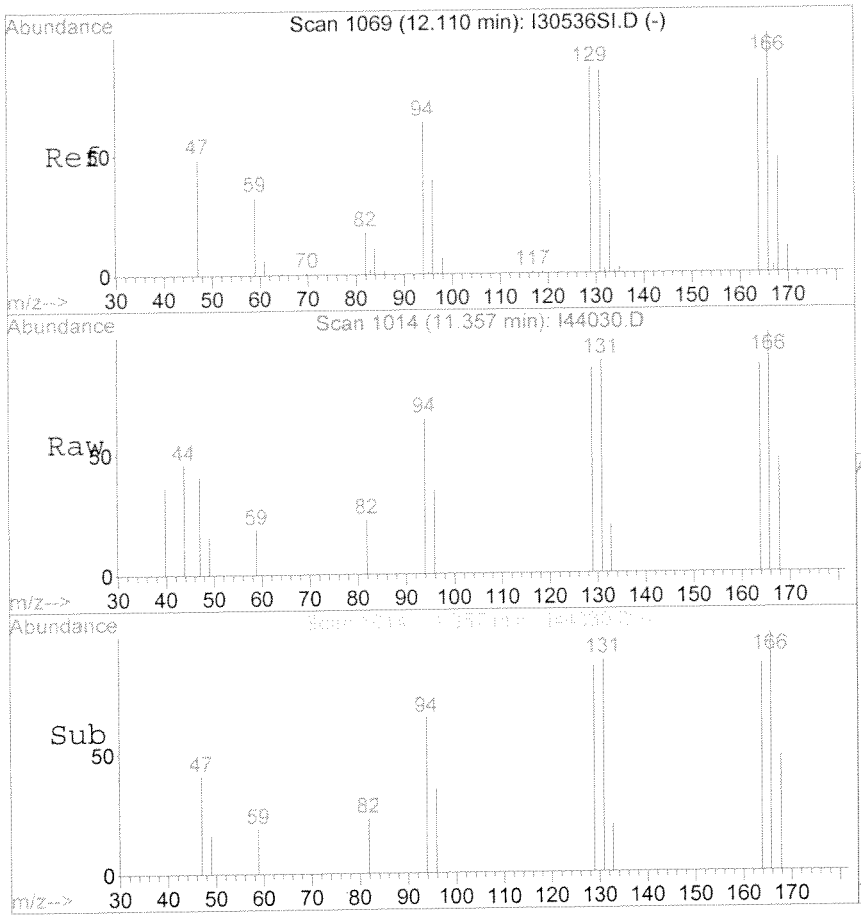
#43
Methyl acetate
Concen: 1.42 ug/L
RT: 3.58 min Scan# 225
Delta R.T. -0.05 min
Lab File: I44030.D
Acq: 28 Sep 2010 4:08 pm

Tgt Ion: 43 Resp: 4430

Ion	Ratio	Lower	Upper
43	100		
59	0.0	7.6	11.4#
74	0.0	15.8	23.6#



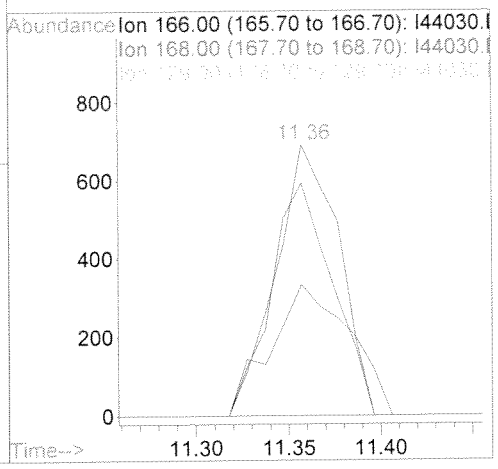
MT 9/29/10

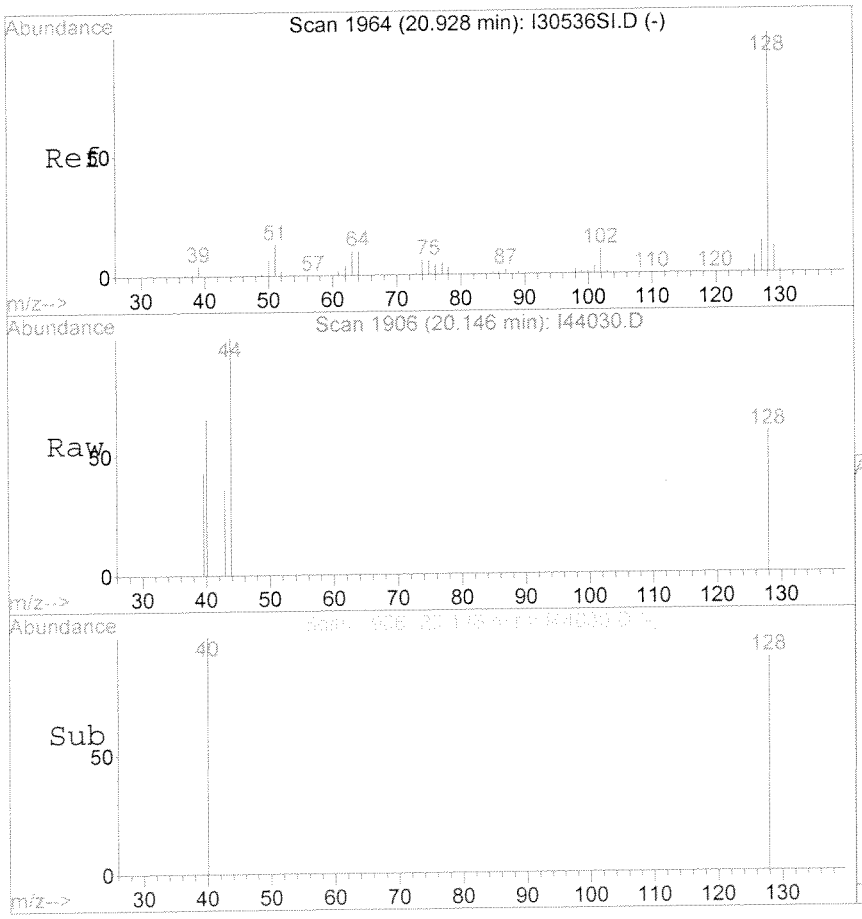


#60
Tetrachloroethene
Concen: 0.57 ug/L
RT: 11.36 min Scan# 1014
Delta R.T. 0.02 min
Lab File: I44030.D
Acq: 28 Sep 2010 4:08 pm

Tgt Ion:166 Resp: 1640

Ion	Ratio	Lower	Upper
166	100		
168	48.2	29.9	69.9
129	85.8	59.2	99.2

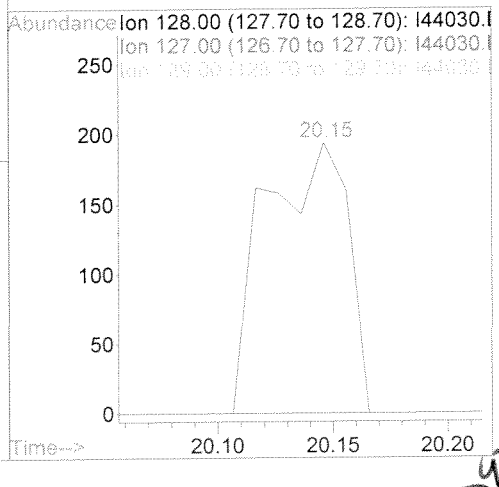




#96
Naphthalene
Concen: 0.85 ug/L
RT: 20.15 min Scan# 1906
Delta R.T. 0.03 min
Lab File: I44030.D
Acq: 28 Sep 2010 4:08 pm

Tgt Ion:128 Resp: 483

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8



5929W

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID:	67834-3
Matrix:	Solid
Percent Solid:	94
Dilution Factor:	1
Collection Date:	09/20/10
Lab Receipt Date:	09/20/10
Analysis Date:	09/28/10

CLIENT SAMPLE ID

Project Name:	Bldg. 82, SOWEY
Project Number:	CT048
Field Sample ID:	C-B82-GTM1-SW-03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	1.7	U	1,1,2-Trichloroethane	1.7	U
Chloromethane	1.7	U	1,3-Dichloropropane	1.7	U
Vinyl Chloride	1.7	U	Tetrachloroethene	1.7	U
Bromomethane	1.7	U	2-Hexanone	8.6	U
Chloroethane	1.7	U	Dibromochloromethane	1.7	U
Trichlorofluoromethane	1.7	U	1,2-Dibromoethane	1.7	U
1,1-Dichloroethene	1.7	U	Chlorobenzene	1.7	U
Acetone	8.6	**22**	1,1,1,2-Tetrachloroethane	1.7	U
Methyl iodide	1.7	U	Ethylbenzene	1.7	U
Carbon Disulfide	1.7	U	o-Xylene	1.7	U
Methylene Chloride	8.6	U	m,p-Xylene	1.7	U
trans-1,2-Dichloroethene	1.7	U	Styrene	1.7	U
Methyl-tert-butyl ether (MTBE)	1.7	U	Bromoform	1.7	U
1,1-Dichloroethane	1.7	**2.4**	Isopropylbenzene	1.7	U
Vinyl acetate	4.3	U	1,1,2,2-Tetrachloroethane	1.7	U
Methyl ethyl ketone	8.6	U	Bromobenzene	1.7	U
cis-1,2-Dichloroethene	1.7	U	1,2,3-Trichloropropane	1.7	U
2,2-Dichloropropane	1.7	U	n-Propylbenzene	1.7	U
Bromochloromethane	1.7	U	2-Chlorotoluene	1.7	U
Chloroform	1.7	U	1,3,5-Trimethylbenzene	1.7	U
1,1,1-Trichloroethane	1.7	**4.8**	4-Chlorotoluene	1.7	U
1,1-Dichloropropene	1.7	U	tert-butylbenzene	1.7	U
Carbon Tetrachloride	1.7	U	1,2,4-Trimethylbenzene	1.7	U
1,2-Dichloroethane	1.7	U	sec-butylbenzene	1.7	U
Benzene	1.7	U	p-isopropyltoluene	1.7	U
Trichloroethene	1.7	U	1,3-Dichlorobenzene	1.7	U
1,2-Dichloropropane	1.7	U	1,4-Dichlorobenzene	1.7	U
Dibromomethane	1.7	U	n-butylbenzene	1.7	U
Bromodichloromethane	1.7	U	1,2-Dichlorobenzene	1.7	U
cis-1,3-Dichloropropene	1.7	U	1,2-Dibromo-3-chloropropane	1.7	U
Methyl isobutyl ketone	8.6	U	1,2,4-Trichlorobenzene	1.7	U
Toluene	1.7	U	Hexachlorobutadiene	1.7	U
trans-1,3-Dichloropropene	1.7	U	Naphthalene	1.7	U
			1,2,3-Trichlorobenzene	1.7	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	106	%	d8-Toluene	103	%	Bromofluorobenzen	102 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44031.D
Acq On : 28 Sep 2010 4:37 pm
Sample : 67834-3
Misc : ,6.23,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:43 2010

Vial: 20
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5)/(6.23g)(.9368) = 0.86

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	109714	20.00	ug/L	0.03
39) 1,4-Difluorobenzene	7.95	114	198553 ✓	20.00	ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	170768	20.00	ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.40	152	74980	20.00	ug/L	0.03

System Monitoring Compounds						
28) DB HOLDER #28	7.32	65	99049	21.13	ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.65% ✓			
36) d4-1,2-Dichloroethane	7.32	65	99049	21.13	ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.65% ✓			
54) d8-Toluene	10.25	98	218812	20.50	ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.50% ✓			
73) Bromofluorobenzene	14.51	95	89343	20.49	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.45% ✓			

Target Compounds						Qvalue
10) 1,1,2-Trichlorotrifluoroet	2.98	101	9611	✓ 3.10	ug/L	97
014 ~~12)~~ Acetone	3.05	43	33632	✓ 26.25	ug/L	99
~~16)~~ Methylene Chloride	3.86	84	39351	<10 ~~6.39~~	ug/L	98
21) 1,1-Dichloroethane	4.99	63	16524	✓ 2.79	ug/L	99
32) 1,1,1-Trichloroethane	6.80	97	27443	✓ 5.54	ug/L	98
~~40)~~ Trichloroethene	8.41	95	2875	<> ~~0.88~~	ug/L	88
~~60)~~ Tetrachloroethene	11.37	166	2103	<> ~~0.74~~	ug/L	97
~~96)~~ Naphthalene	20.15	128	280	<> ~~0.81~~	ug/L	68

092910

(#) = qualifier out of range (m) = manual integration
I44031.D VS09270I.M Wed Sep 29 06:43:09 2010

Quantitation Report

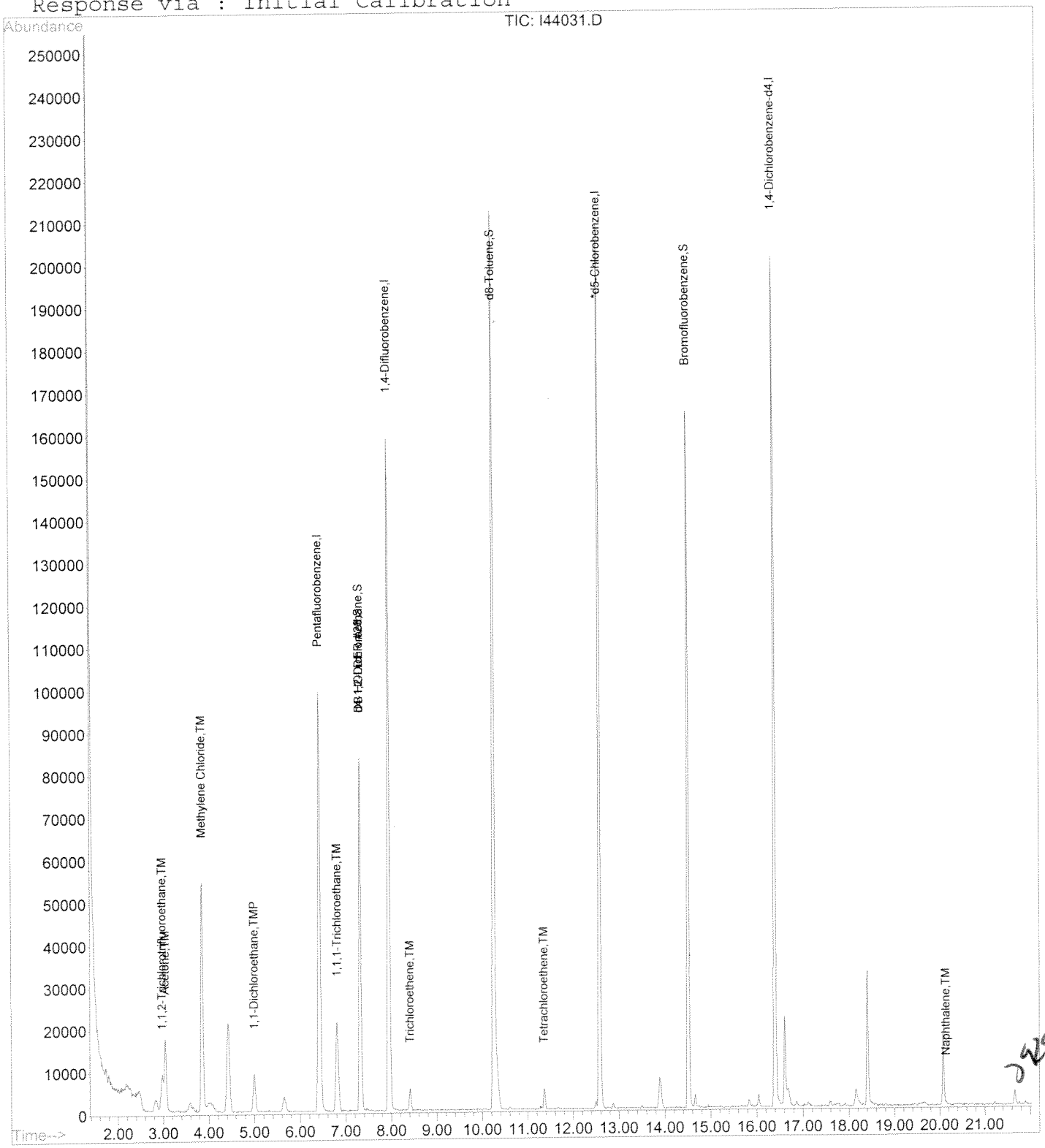
Data File : C:\HPCHEM\1\DATA\092810-I\I44031.D
Acq On : 28 Sep 2010 4:37 pm
Sample : 67834-3
Misc : ,6.23,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:43 2010

Vial: 20
Operator: MT
Inst : Instrumen
Multiplr: 1.00

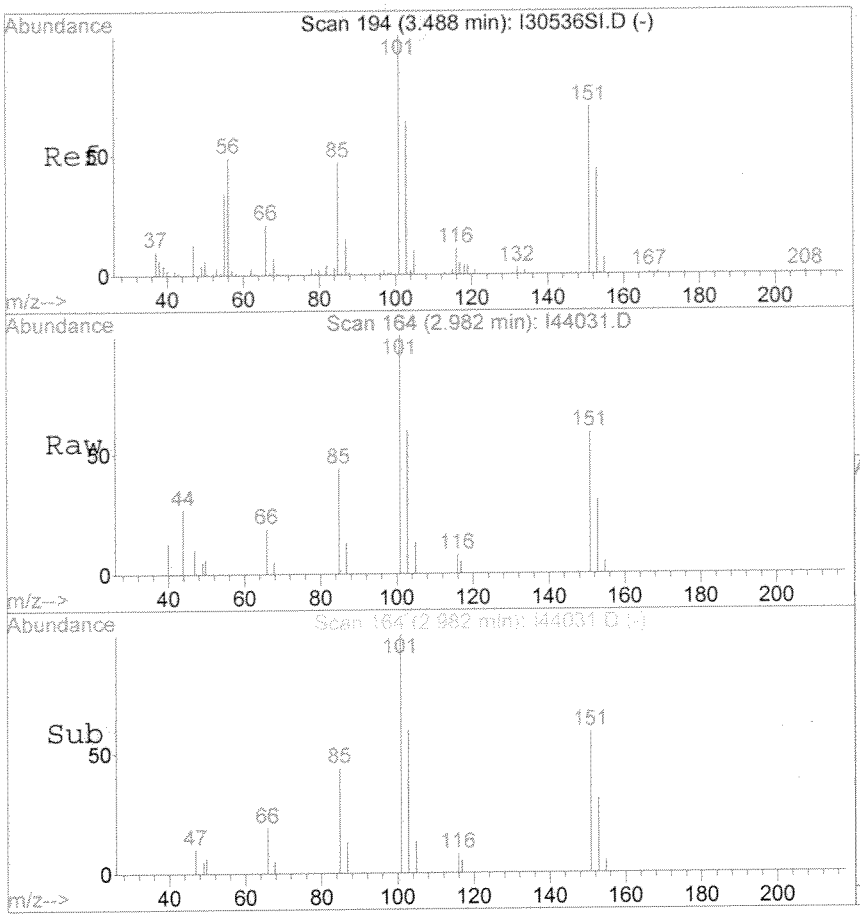
Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



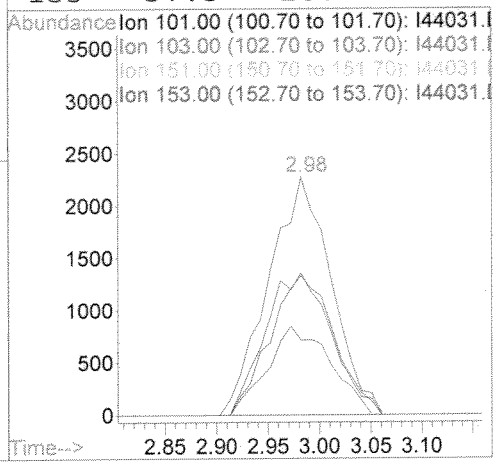
NT 9/29/10

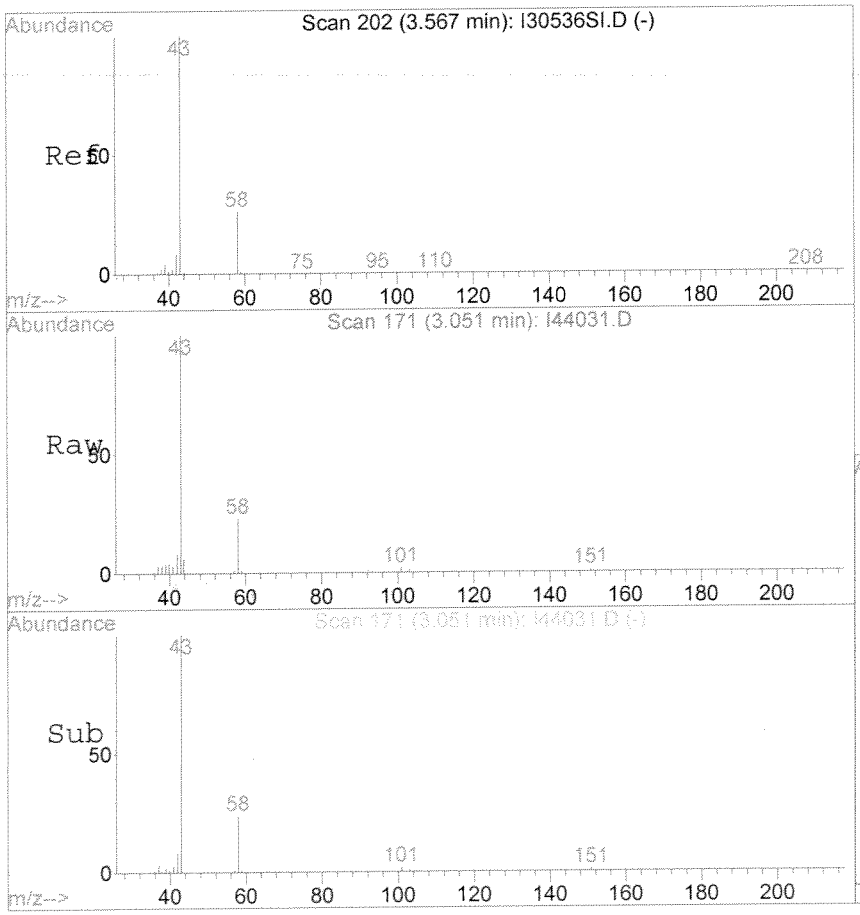


#10
1,1,2-Trichlorotrifluoroethan
Concen: 3.10 ug/L
RT: 2.98 min Scan# 164
Delta R.T. 0.04 min
Lab File: I44031.D
Acq: 28 Sep 2010 4:37 pm

Tgt Ion:101 Resp: 9611

Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.1	78.1
151	59.7	45.8	68.8
153	37.3	28.7	43.1

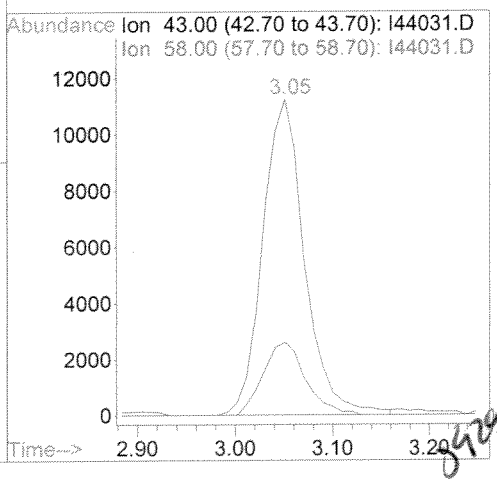




#12
Acetone
Concen: 26.25 ug/L
RT: 3.05 min Scan# 171
Delta R.T. 0.03 min
Lab File: I44031.D
Acq: 28 Sep 2010 4:37 pm

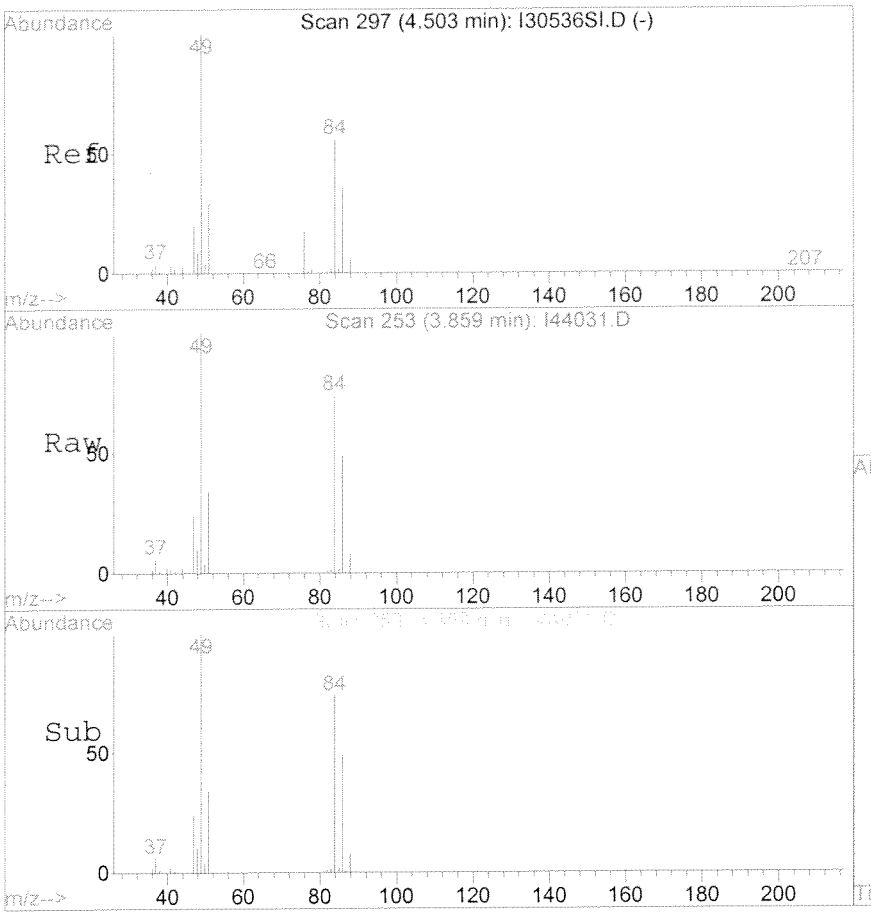
Tgt Ion: 43 Resp: 33632

Ion	Ratio	Lower	Upper
43	100		
58	23.6	18.3	27.5



9/29/10

MT 9/29/10



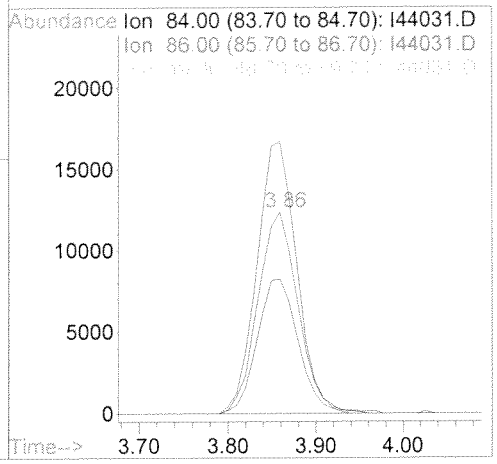
#16
Methylene Chloride
Concen: 6.39 ug/L
RT: 3.86 min Scan# 253
Delta R.T. 0.04 min
Lab File: I44031.D
Acq: 28 Sep 2010 4:37 pm

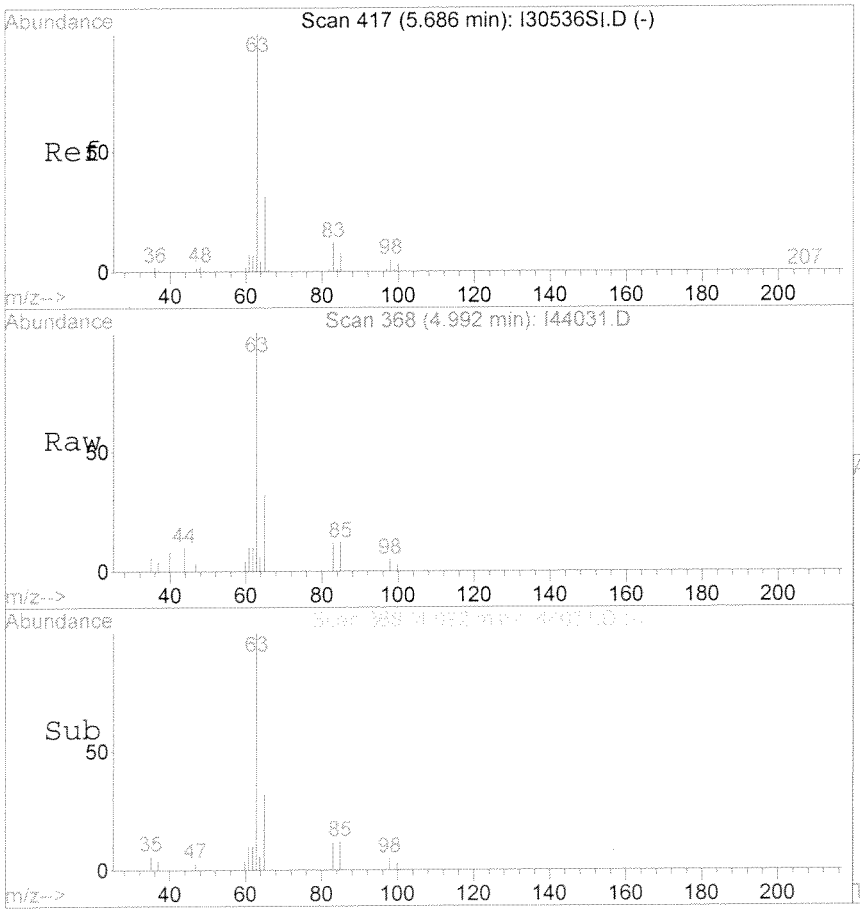
Tgt Ion: 84 Resp: 39351

Ion	Ratio	Lower	Upper
84	100		
86	68.2	45.8	85.8
49	135.2	116.6	156.6

X

<LIC



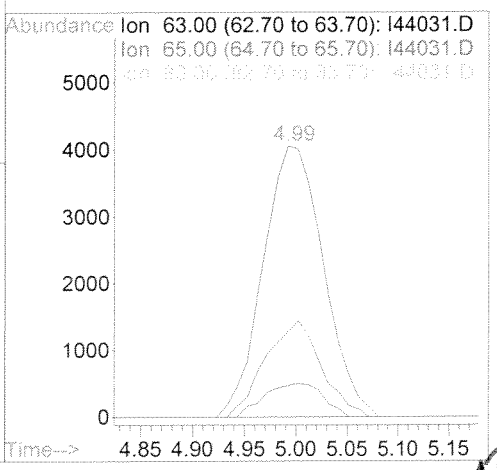


#21
1,1-Dichloroethane
Concen: 2.79 ug/L
RT: 4.99 min Scan# 368
Delta R.T. 0.03 min
Lab File: I44031.D
Acq: 28 Sep 2010 4:37 pm

Tgt Ion: 63 Resp: 16524

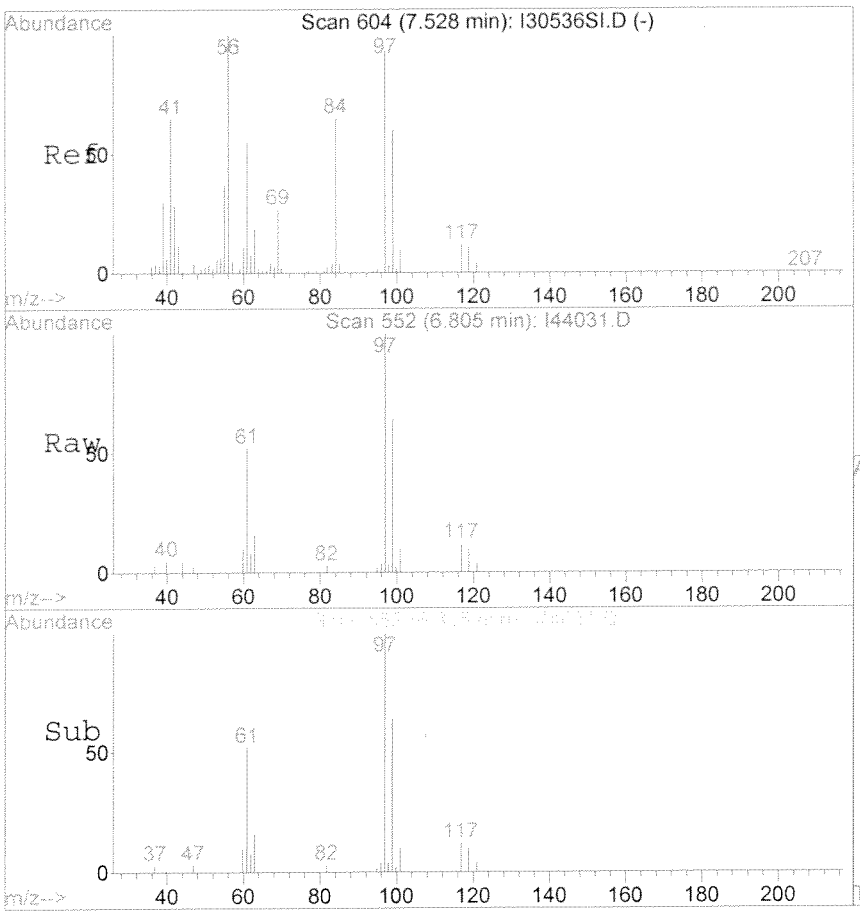
Ion	Ratio	Lower	Upper
63	100		
65	31.6	11.6	51.6
83	11.5	0.0	33.4

✓



JT 29/10

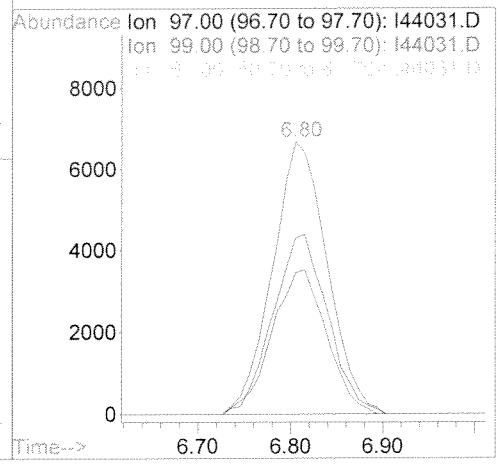
MT 9/29/10

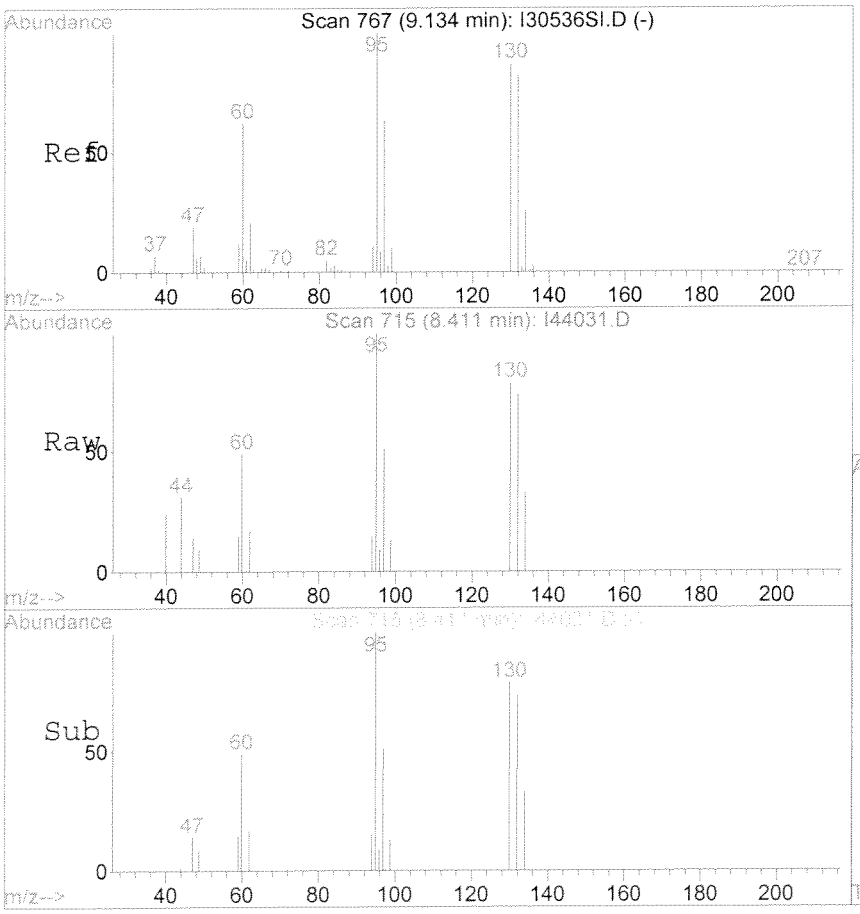


#32
1,1,1-Trichloroethane
Concen: 5.54 ug/L
RT: 6.80 min Scan# 552
Delta R.T. 0.03 min
Lab File: I44031.D
Acq: 28 Sep 2010 4:37 pm

Tgt Ion: 97 Resp: 27443

Ion	Ratio	Lower	Upper
97	100		
99	64.4	43.9	83.9
61	51.7	34.1	74.1

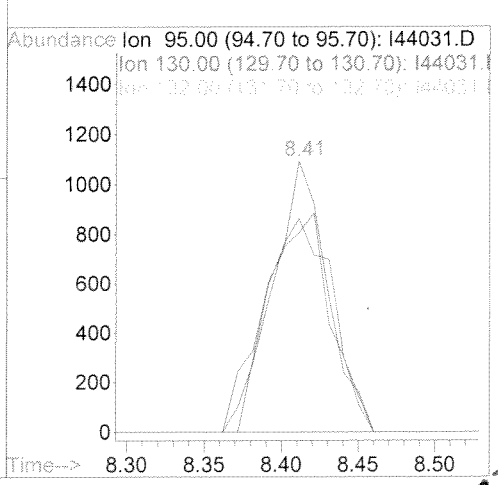




#40
Trichloroethene
Concen: 0.88 ug/L
RT: 8.41 min Scan# 715
Delta R.T. 0.03 min
Lab File: I44031.D
Acq: 28 Sep 2010 4:37 pm

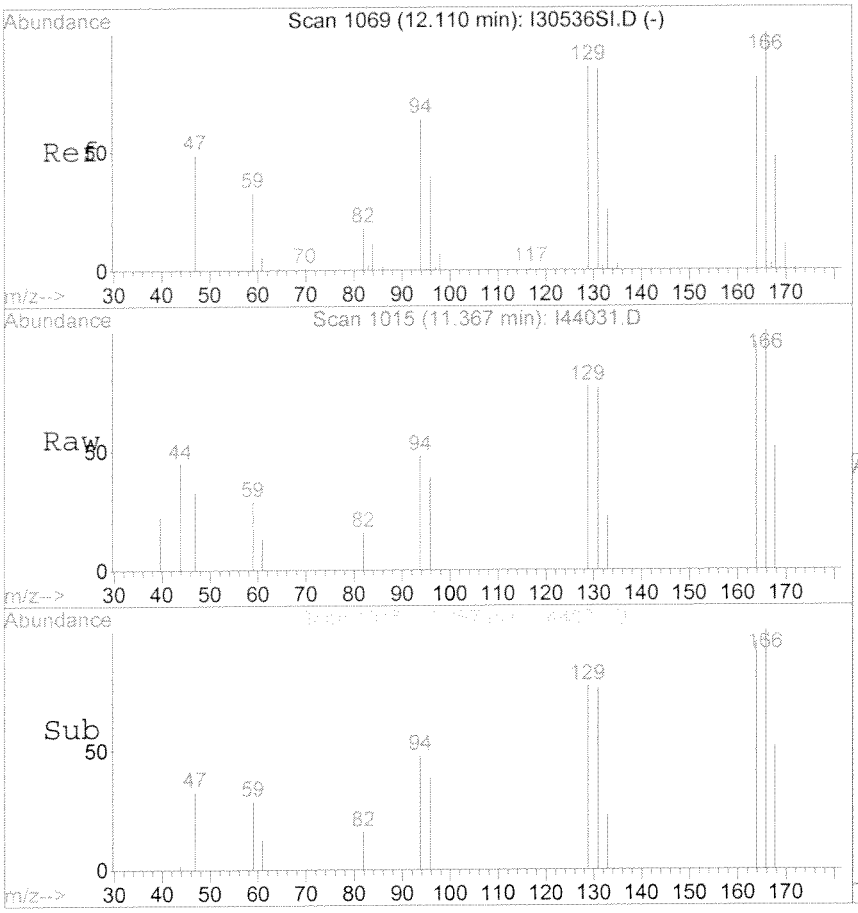
Tgt Ion: 95 Resp: 2875

Ion	Ratio	Lower	Upper
95	100		
130	79.0	68.7	108.7
132	73.7	67.0	107.0



9/29/10

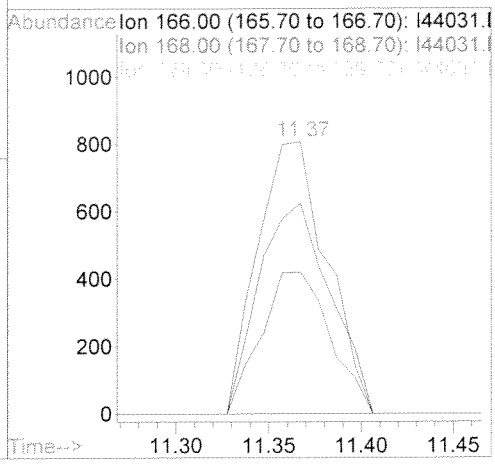
MT 9/29/10

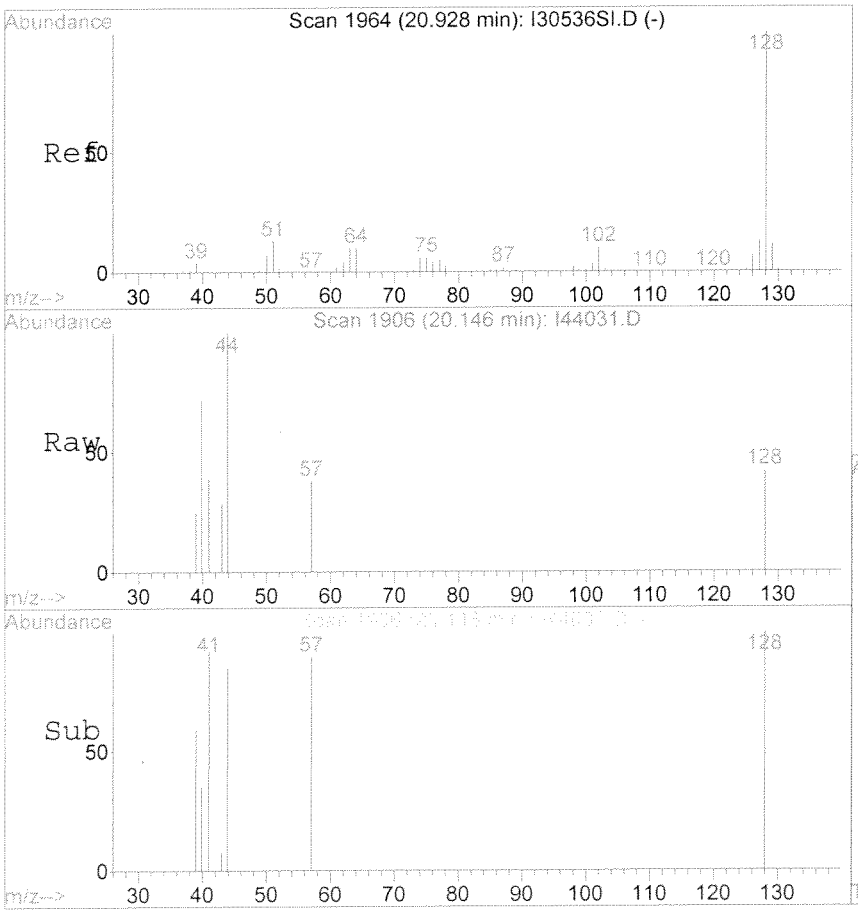


#60
Tetrachloroethene
Concen: 0.74 ug/L
RT: 11.37 min Scan# 1015
Delta R.T. 0.03 min
Lab File: I44031.D
Acq: 28 Sep 2010 4:37 pm

Tgt Ion:166 Resp: 2103

Ion	Ratio	Lower	Upper
166	100		
168	52.0	29.9	69.9
129	77.3	59.2	99.2

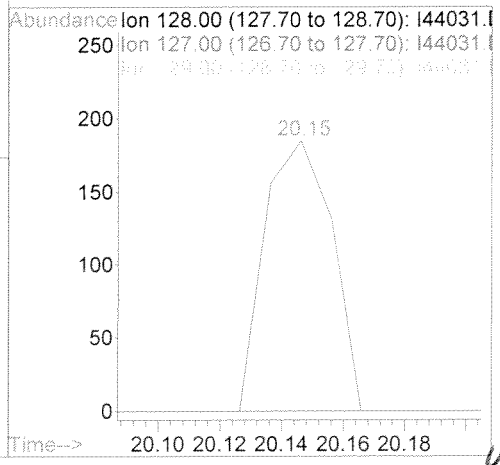




#96
Naphthalene
Concen: 0.81 ug/L
RT: 20.15 min Scan# 1906
Delta R.T. 0.03 min
Lab File: I44031.D
Acq: 28 Sep 2010 4:37 pm

Tgt Ion:128 Resp: 280

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8



JGRW

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-4
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM1-SW-04

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.1	U	1,1,2-Trichloroethane	2.1	U
Chloromethane	2.1	U	1,3-Dichloropropane	2.1	U
Vinyl Chloride	2.1	U	Tetrachloroethene	2.1	U
Bromomethane	2.1	U	2-Hexanone	10	U
Chloroethane	2.1	U	Dibromochloromethane	2.1	U
Trichlorofluoromethane	2.1	U	1,2-Dibromoethane	2.1	U
1,1-Dichloroethene	2.1	U	Chlorobenzene	2.1	U
Acetone	10	**28**	1,1,1,2-Tetrachloroethane	2.1	U
Methyl iodide	2.1	U	Ethylbenzene	2.1	U
Carbon Disulfide	2.1	U	o-Xylene	2.1	U
Methylene Chloride	10	**15**	m,p-Xylene	2.1	U
trans-1,2-Dichloroethene	2.1	U	Styrene	2.1	U
Methyl-tert-butyl ether (MTBE)	2.1	U	Bromoform	2.1	U
1,1-Dichloroethane	2.1	U	Isopropylbenzene	2.1	U
Vinyl acetate	5.1	U	1,1,2,2-Tetrachloroethane	2.1	U
Methyl ethyl ketone	10	U	Bromobenzene	2.1	U
cis-1,2-Dichloroethene	2.1	U	1,2,3-Trichloropropane	2.1	U
2,2-Dichloropropane	2.1	U	n-Propylbenzene	2.1	U
Bromochloromethane	2.1	U	2-Chlorotoluene	2.1	U
Chloroform	2.1	U	1,3,5-Trimethylbenzene	2.1	U
1,1,1-Trichloroethane	2.1	U	4-Chlorotoluene	2.1	U
1,1-Dichloropropene	2.1	U	tert-butylbenzene	2.1	U
Carbon Tetrachloride	2.1	U	1,2,4-Trimethylbenzene	2.1	U
1,2-Dichloroethane	2.1	U	sec-butylbenzene	2.1	U
Benzene	2.1	U	p-isopropyltoluene	2.1	U
Trichloroethene	2.1	U	1,3-Dichlorobenzene	2.1	U
1,2-Dichloropropane	2.1	U	1,4-Dichlorobenzene	2.1	U
Dibromomethane	2.1	U	n-butylbenzene	2.1	U
Bromodichloromethane	2.1	U	1,2-Dichlorobenzene	2.1	U
cis-1,3-Dichloropropene	2.1	U	1,2-Dibromo-3-chloropropane	2.1	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2.1	U
Toluene	2.1	U	Hexachlorobutadiene	2.1	U
trans-1,3-Dichloropropene	2.1	U	Naphthalene	2.1	U
			1,2,3-Trichlorobenzene	2.1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105	%	d8-Toluene	100	%	Bromofluorobenzen	102 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44032.D
Acq On : 28 Sep 2010 5:05 pm
Sample : 67834-4
Misc : ,5.14,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:43 2010

Vial: 21
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF= (5)/(5.14)(.9473) = 1.0

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	108791	20.00 ug/L	0.02
39) 1,4-Difluorobenzene	7.95	114	203471 ✓	20.00 ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	172386	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.40	152	74713	20.00 ug/L	0.02

System Monitoring Compounds					
28) DB HOLDER #28	7.31	65	97352	20.94 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.70% ✓		
36) d4-1,2-Dichloroethane	7.31	65	97352	20.94 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.70% ✓		
54) d8-Toluene	10.25	98	219198	20.04 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.20% ✓		
73) Bromofluorobenzene	14.51	95	89504	20.33 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.65% ✓		

Target Compounds					Qvalue
~~5)~~ Bromomethane	2.17	94	1569	~~-0.69~~ ug/L	97
12) Acetone	3.05	43	34866	✓ 27.45 ug/L	99
16) Methylene Chloride	3.85	84	63781	✓ 14.39 ug/L	97
M 43) Methyl acetate	3.65	43	4453	M 1.43 ug/L #	81
~~60)~~ Tetrachloroethene	11.36	166	1976	~~-0.68~~ ug/L	91
~~96)~~ Naphthalene	20.15	128	359	~~0.83~~ ug/L	68

D 92910

(#) = qualifier out of range (m) = manual integration
I44032.D VS09270I.M Wed Sep 29 06:43:14 2010 Page 1

Quantitation Report

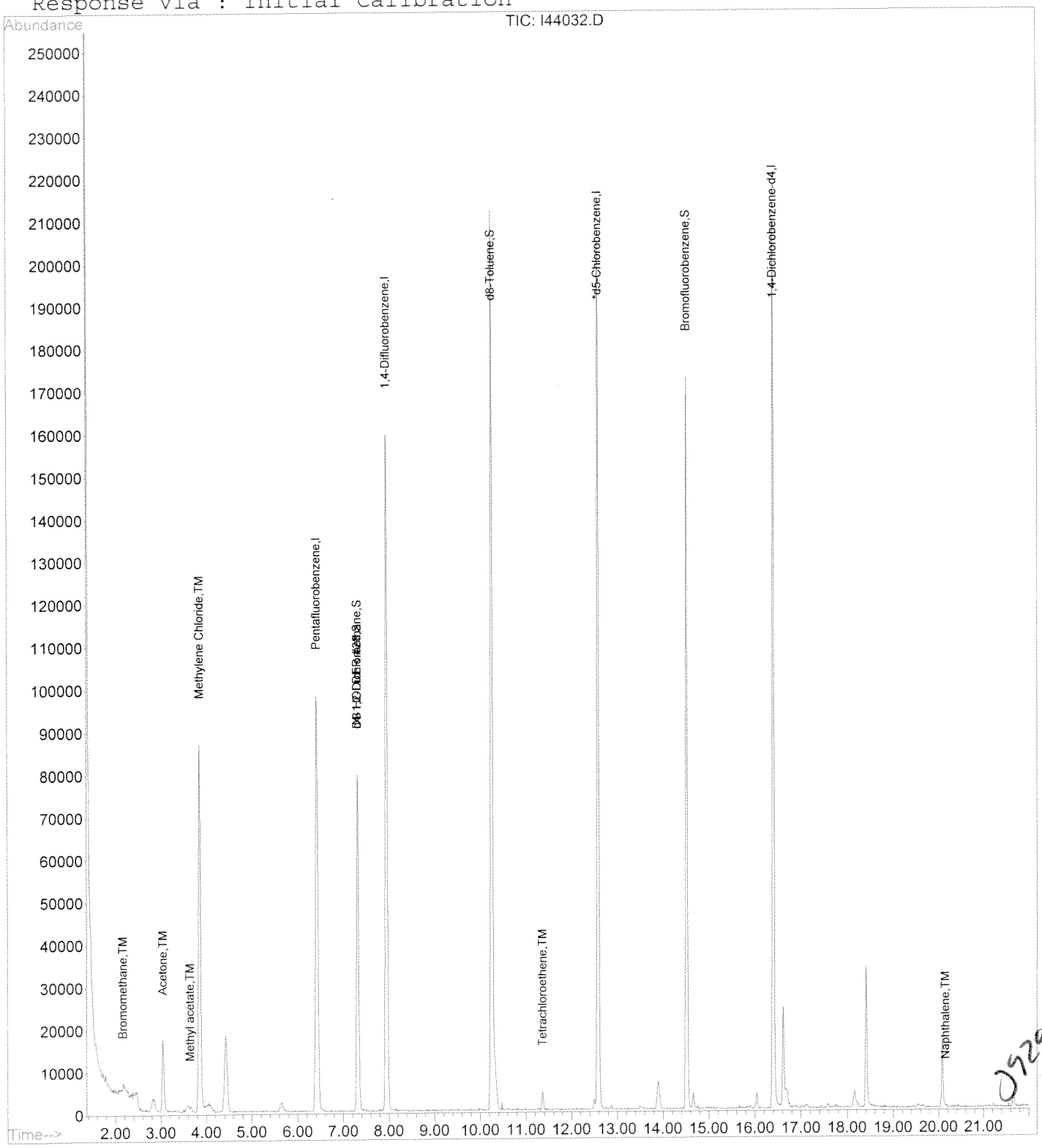
Data File : C:\HPCHEM\1\DATA\092810-I\I44032.D
Acq On : 28 Sep 2010 5:05 pm
Sample : 67834-4
Misc : ,5.14,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:43 2010

Vial: 21
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

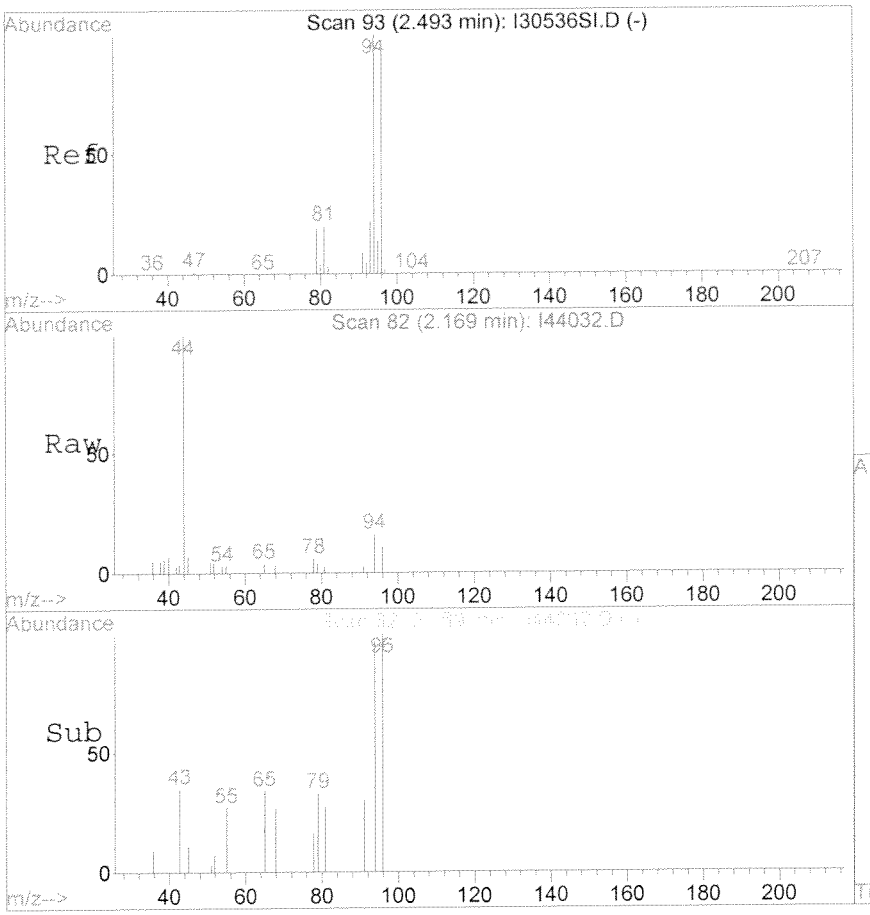
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



092910

MT 9/29/10

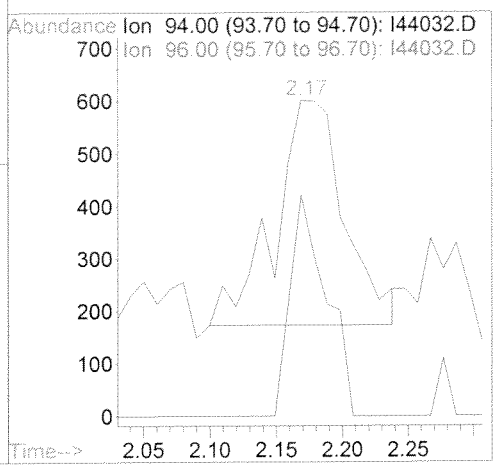


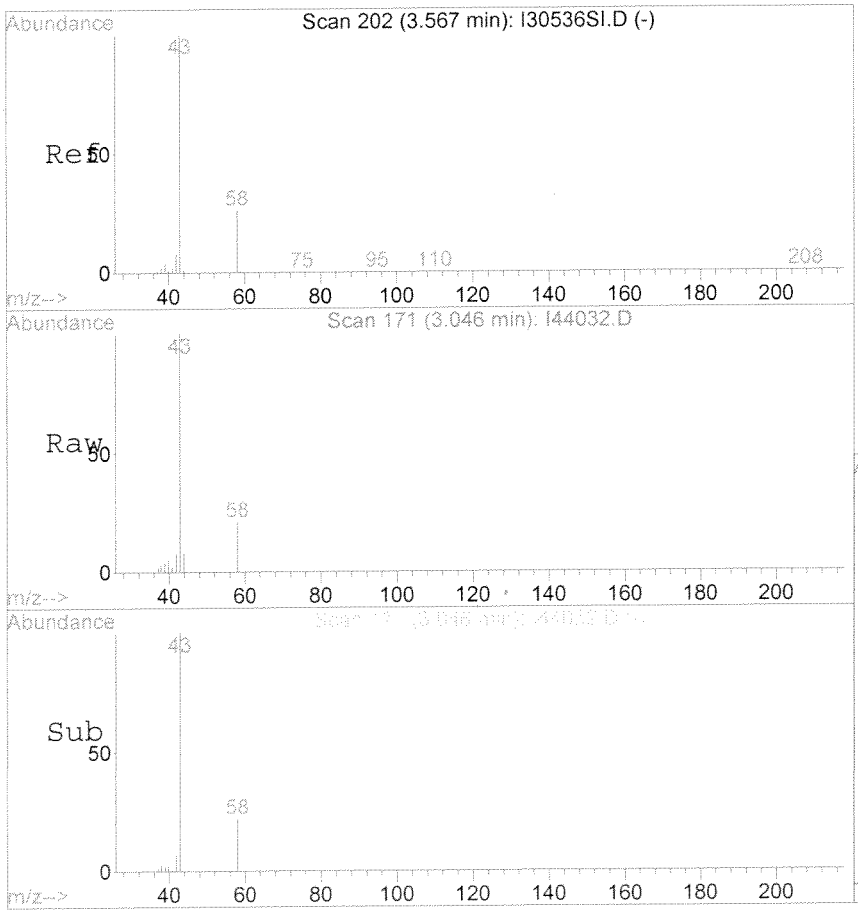
#5
Bromomethane
Concen: 0.69 ug/L
RT: 2.17 min Scan# 82
Delta R.T. 0.01 min
Lab File: I44032.D
Acq: 28 Sep 2010 5:05 pm

Tgt Ion: 94 Resp: 1569

Ion	Ratio	Lower	Upper
94	100		
96	98.6	76.0	116.0

X



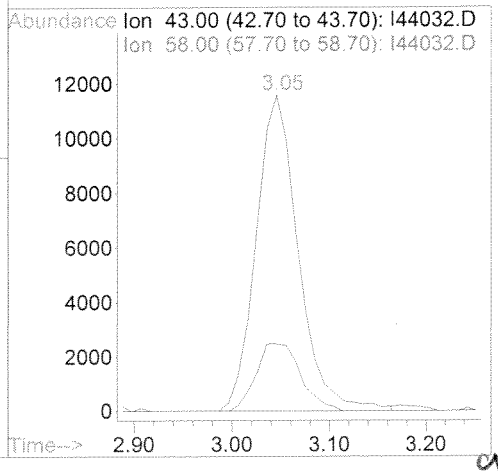


#12
Acetone
Concen: 27.45 ug/L
RT: 3.05 min Scan# 171
Delta R.T. 0.02 min
Lab File: I44032.D
Acq: 28 Sep 2010 5:05 pm

Tgt Ion: 43 Resp: 34866

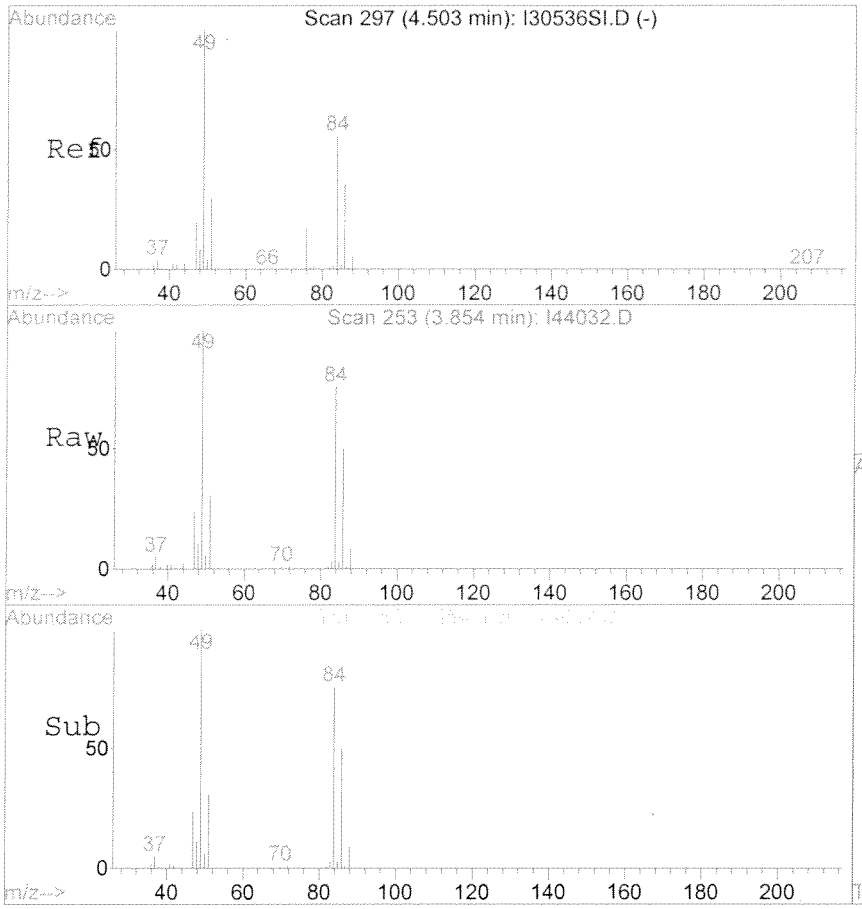
Ion	Ratio	Lower	Upper
43	100		
58	22.6	18.3	27.5

✓



8 9/29/10

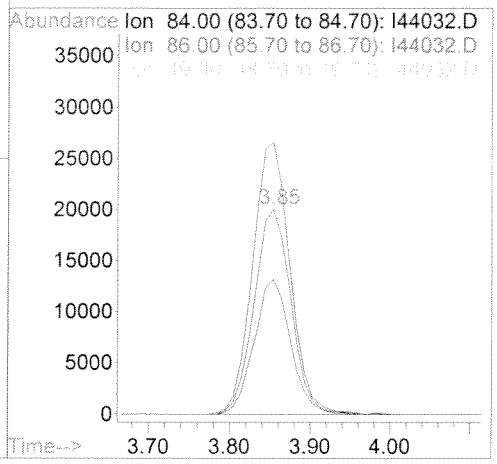
MT 9/29/10

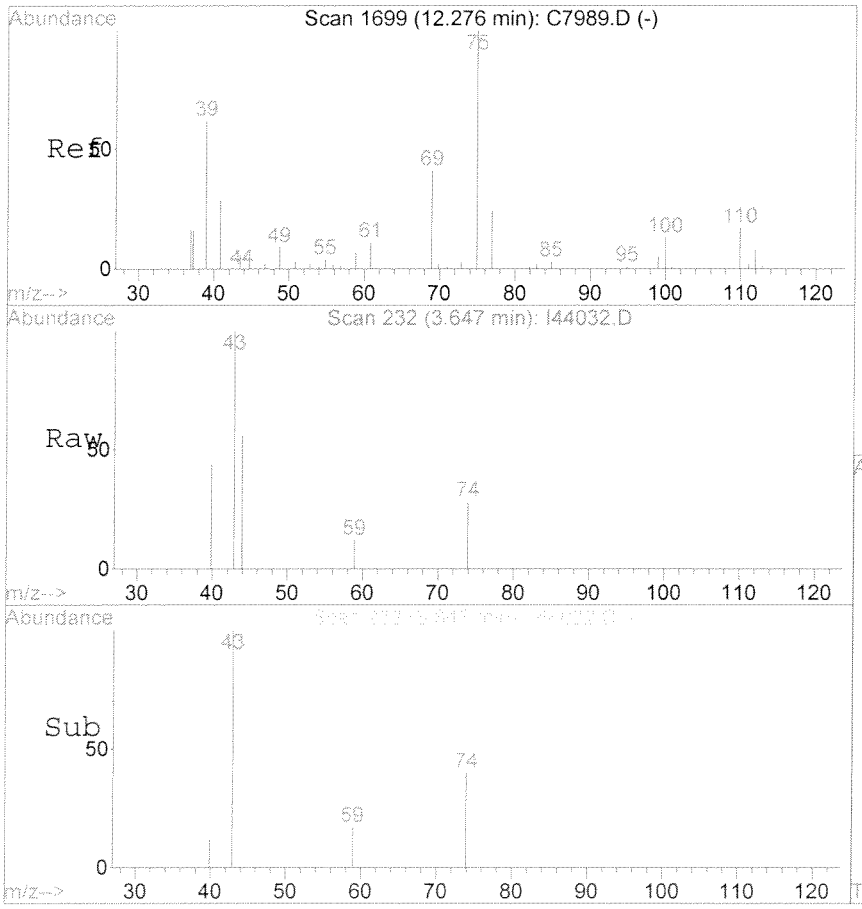


#16
Methylene Chloride
Concen: 14.39 ug/L
RT: 3.85 min Scan# 253
Delta R.T. 0.03 min
Lab File: I44032.D
Acq: 28 Sep 2010 5:05 pm

Tgt Ion: 84 Resp: 63781

Ion	Ratio	Lower	Upper
84	100		
86	66.7	45.8	85.8
49	132.3	116.6	156.6



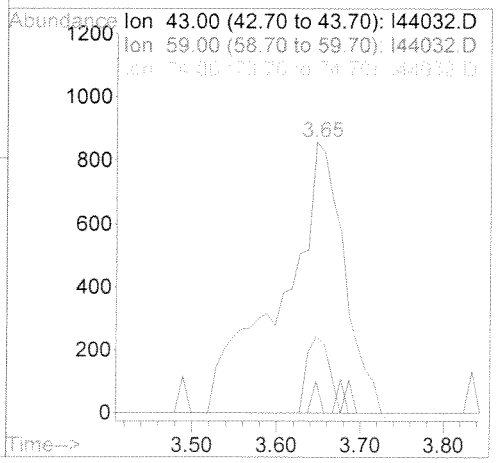


#43
Methyl acetate
Concen: 1.43 ug/L
RT: 3.65 min Scan# 232
Delta R.T. 0.01 min
Lab File: I44032.D
Acq: 28 Sep 2010 5:05 pm

Tgt Ion: 43 Resp: 4453

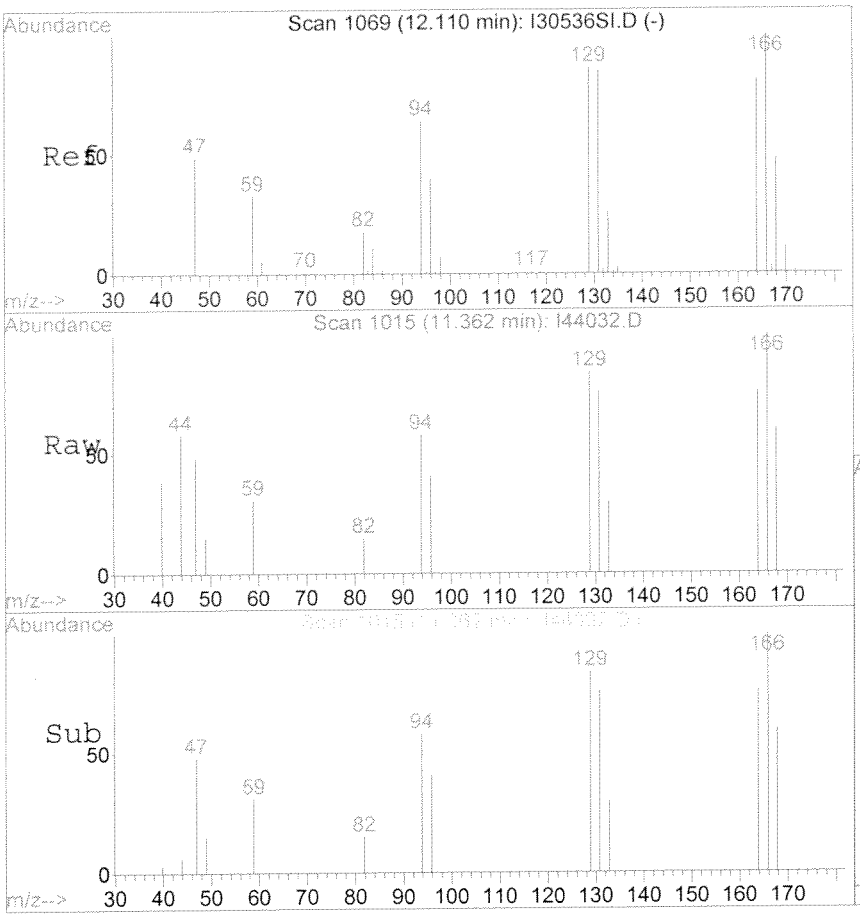
Ion	Ratio	Lower	Upper
43	100		
59	1.4	7.6	11.4#
74	11.5	15.8	23.6#

MT



9/29/10

MT 9/29/10

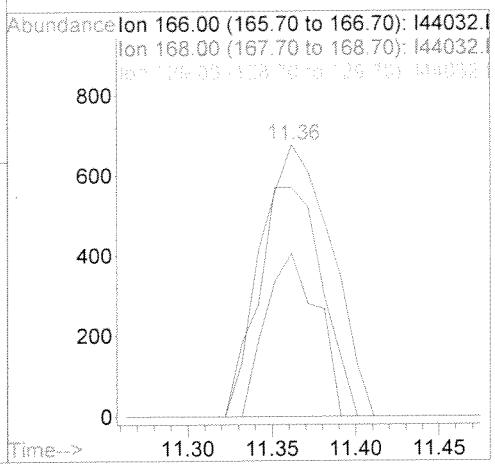


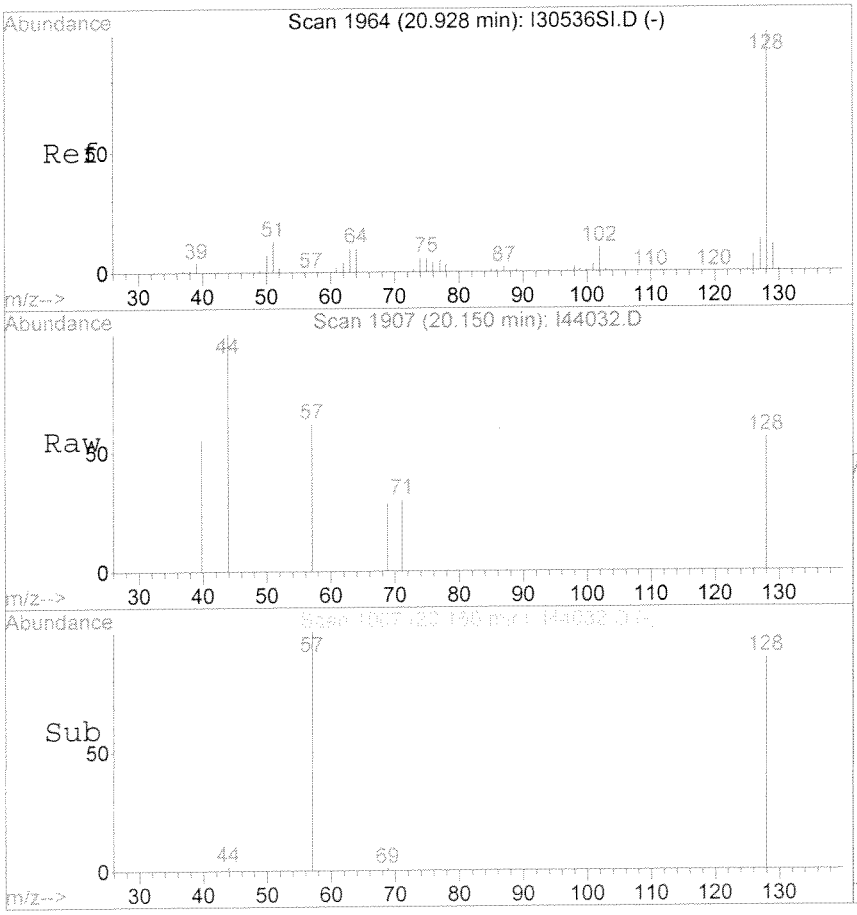
#60
Tetrachloroethene
Concen: 0.68 ug/L
RT: 11.36 min Scan# 1015
Delta R.T. 0.02 min
Lab File: I44032.D
Acq: 28 Sep 2010 5:05 pm

Tgt Ion:166 Resp: 1976

Ion	Ratio	Lower	Upper
166	100		
168	59.9	29.9	69.9
129	84.2	59.2	99.2

X



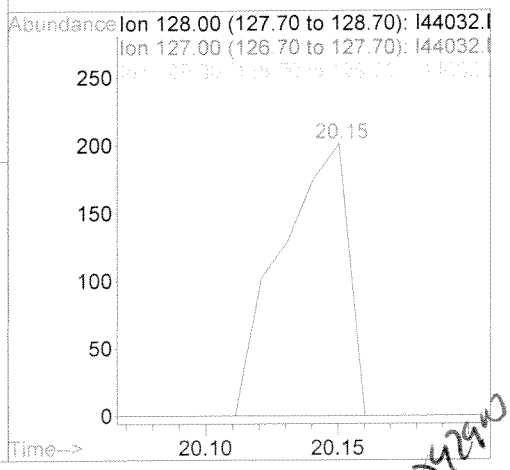


#96
Naphthalene
Concen: 0.83 ug/L
RT: 20.15 min Scan# 1907
Delta R.T. 0.03 min
Lab File: I44032.D
Acq: 28 Sep 2010 5:05 pm

Tgt Ion:128 Resp: 359

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8

X



9/29/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-5
Matrix: Solid
Percent Solid: 87
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM1-B-5

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.2	U	1,1,2-Trichloroethane	2.2	U
Chloromethane	2.2	U	1,3-Dichloropropane	2.2	U
Vinyl Chloride	2.2	U	Tetrachloroethene	2.2	U
Bromomethane	2.2	U	2-Hexanone	11	U
Chloroethane	2.2	U	Dibromochloromethane	2.2	U
Trichlorofluoromethane	2.2	U	1,2-Dibromoethane	2.2	U
1,1-Dichloroethene	2.2	U	Chlorobenzene	2.2	U
Acetone	11	**40**	1,1,1,2-Tetrachloroethane	2.2	U
Methyl iodide	2.2	U	Ethylbenzene	2.2	U
Carbon Disulfide	2.2	**2.0 J**	o-Xylene	2.2	U
Methylene Chloride	11	**24**	m,p-Xylene	2.2	U
trans-1,2-Dichloroethene	2.2	U	Styrene	2.2	U
Methyl-tert-butyl ether (MTBE)	2.2	U	Bromoform	2.2	U
1,1-Dichloroethane	2.2	U	Isopropylbenzene	2.2	U
Vinyl acetate	5.5	U	1,1,2,2-Tetrachloroethane	2.2	U
Methyl ethyl ketone	11	U	Bromobenzene	2.2	U
cis-1,2-Dichloroethene	2.2	U	1,2,3-Trichloropropane	2.2	U
2,2-Dichloropropane	2.2	U	n-Propylbenzene	2.2	U
Bromochloromethane	2.2	U	2-Chlorotoluene	2.2	U
Chloroform	2.2	U	1,3,5-Trimethylbenzene	2.2	U
1,1,1-Trichloroethane	2.2	U	4-Chlorotoluene	2.2	U
1,1-Dichloropropene	2.2	U	tert-butylbenzene	2.2	U
Carbon Tetrachloride	2.2	U	1,2,4-Trimethylbenzene	2.2	U
1,2-Dichloroethane	2.2	U	sec-butylbenzene	2.2	U
Benzene	2.2	U	p-isopropyltoluene	2.2	U
Trichloroethene	2.2	U	1,3-Dichlorobenzene	2.2	U
1,2-Dichloropropane	2.2	U	1,4-Dichlorobenzene	2.2	U
Dibromomethane	2.2	U	n-butylbenzene	2.2	U
Bromodichloromethane	2.2	U	1,2-Dichlorobenzene	2.2	U
cis-1,3-Dichloropropene	2.2	U	1,2-Dibromo-3-chloropropane	2.2	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.2	U
Toluene	2.2	U	Hexachlorobutadiene	2.2	U
trans-1,3-Dichloropropene	2.2	U	Naphthalene	2.2	U
			1,2,3-Trichlorobenzene	2.2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	108	%	d8-Toluene	101	%	Bromofluorobenzen	113	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44033.D
Acq On : 28 Sep 2010 5:33 pm
Sample : 67834-5
Misc : ,5.23,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:43 2010

Vial: 22
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5) / (5.23)(.8734) = 1.1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	103092	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	7.96	114	192985 ✓	20.00	ug/L	0.03
63) *d5-Chlorobenzene	12.59	117	164006	20.00	ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.40	152	69673	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.32	65	94877	21.54	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 107.70% ✓			
36) d4-1,2-Dichloroethane	7.32	65	94877	21.54	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 107.70% ✓			
54) d8-Toluene	10.25	98	209828	20.23	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.15% ✓			
73) Bromofluorobenzene	14.52	95	95056	22.70	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 113.50% ✓			

Target Compounds						Qvalue
5) Bromomethane	2.17	94	1325	~~0.62~~	ug/L #	76
12) Acetone	3.04	43	44322	✓ 36.82	ug/L	98
16) Methylene Chloride	3.85	84	82379	✓ 21.86	ug/L	99
17) Carbon Disulfide	3.82	76	14902	J 1.84	ug/L	100
M 43) Methyl acetate	3.65	43	20326	M 6.86	ug/L	99
~~60)~~ Tetrachloroethene	11.37	166	1836	~~0.67~~	ug/L	91
~~72)~~ 1,1,2,2-Tetrachloroethane	14.34	83	27883	~~7.97~~	ug/L #	34
~~89)~~ n-butylbenzene	16.78	91	19162	~~2.00~~	ug/L #	56
~~94)~~ 1,2,4-Trichlorobenzene	19.76	180	31032	~~9.74~~	ug/L #	4
~~96)~~ Naphthalene	20.14	128	2464	~~1.19~~	ug/L	77
~~97)~~ 1,2,3-Trichlorobenzene	20.55	180	6215	~~2.20~~	ug/L #	6
~~98)~~ 1,3,5-Trichlorobenzene	18.73	180	2943	~~0.84~~	ug/L #	3

9/29/10

(#) = qualifier out of range (m) = manual integration

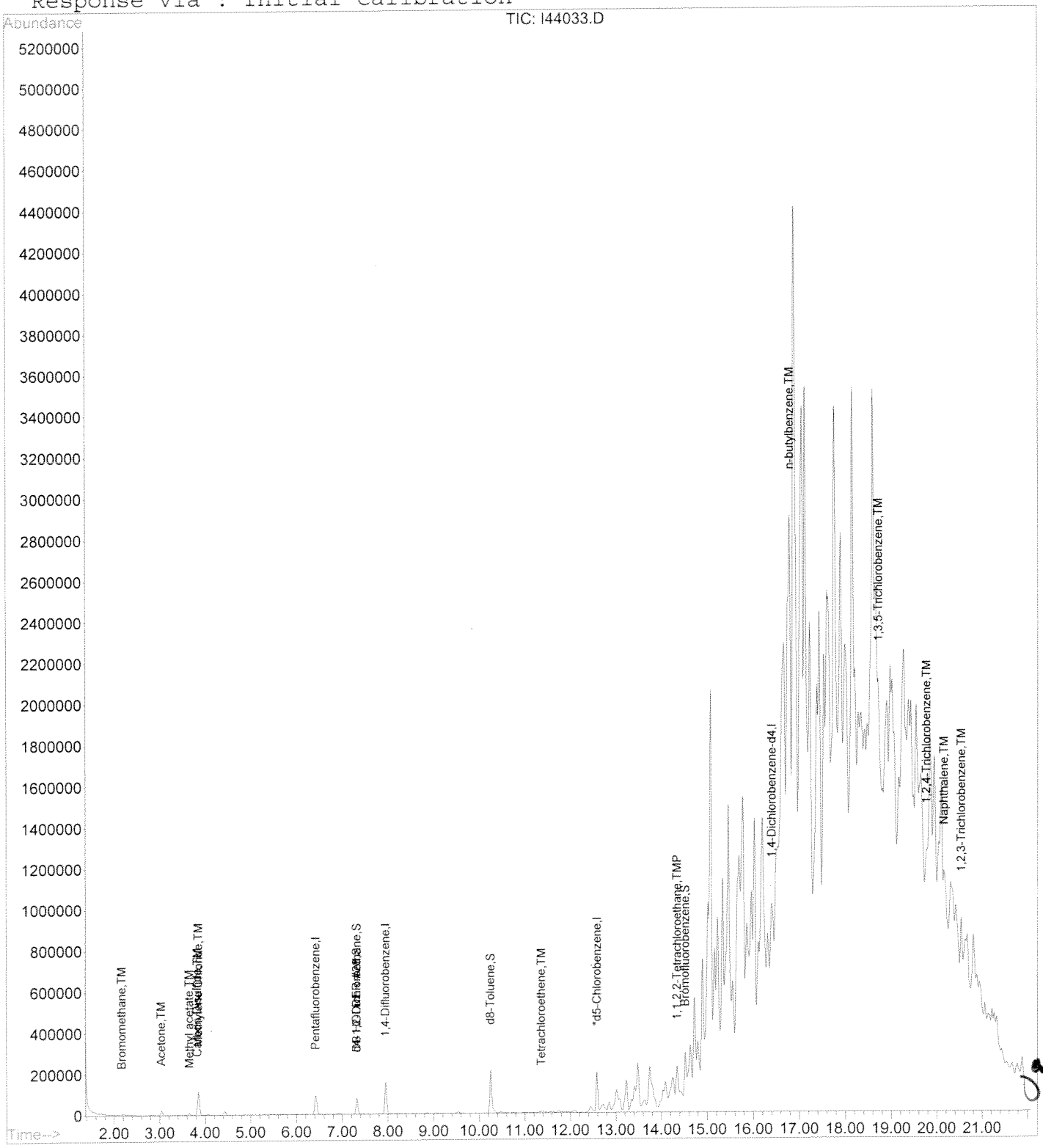
Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44033.D
Acq On : 28 Sep 2010 5:33 pm
Sample : 67834-5
Misc : ,5.23,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:43 2010

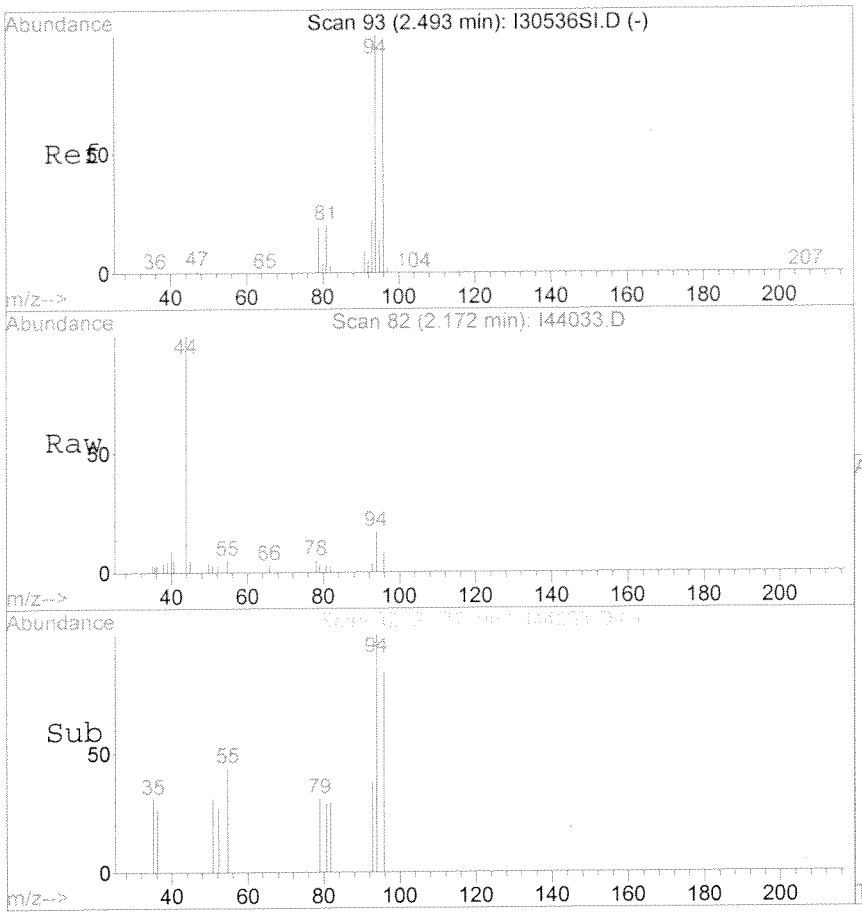
Vial: 22
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



J 9296

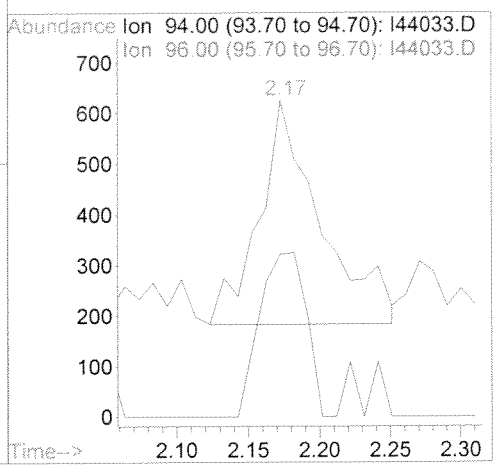


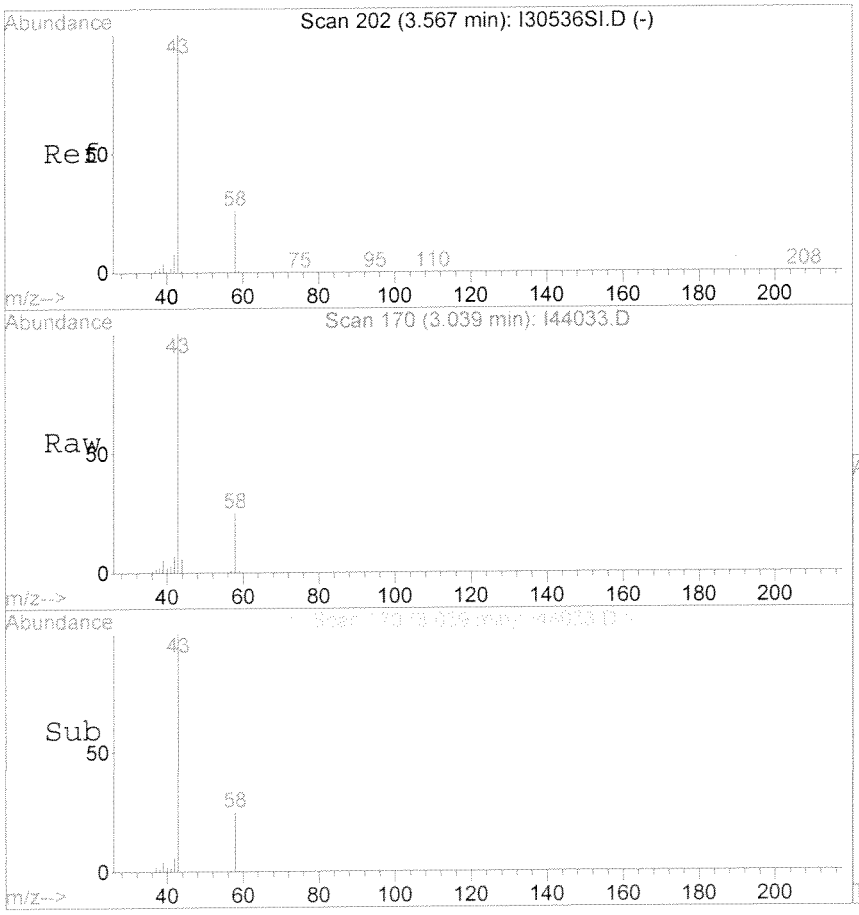
MT 9/29/10

#5
Bromomethane
Concen: 0.62 ug/L
RT: 2.17 min Scan# 82
Delta R.T. 0.01 min
Lab File: I44033.D
Acq: 28 Sep 2010 5:33 pm

Tgt Ion: 94 Resp: 1325

Ion	Ratio	Lower	Upper
94	100		
96	73.0	76.0	116.0#

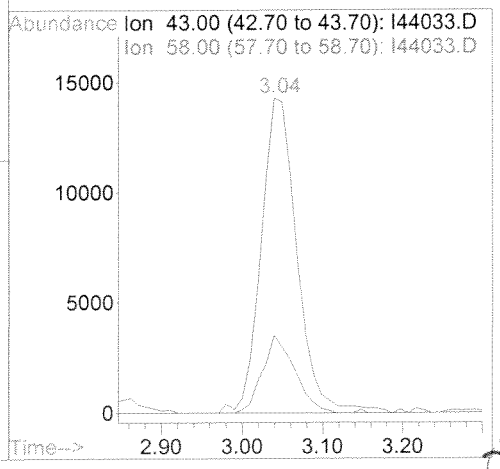




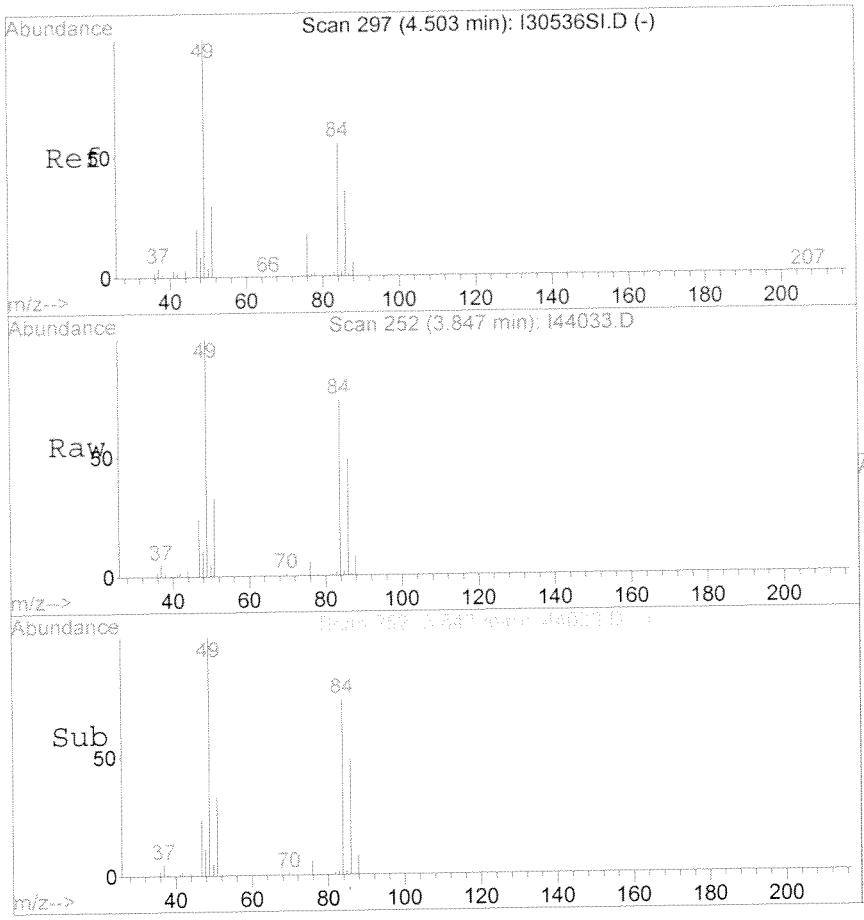
#12
Acetone
Concen: 36.82 ug/L
RT: 3.04 min Scan# 170
Delta R.T. 0.01 min
Lab File: I44033.D
Acq: 28 Sep 2010 5:33 pm

Tgt Ion: 43 Resp: 44322

Ion	Ratio	Lower	Upper
43	100		
58	22.1	18.3	27.5



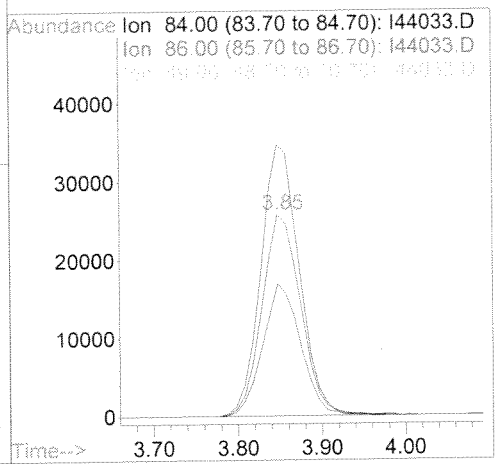
MT 9/29/10

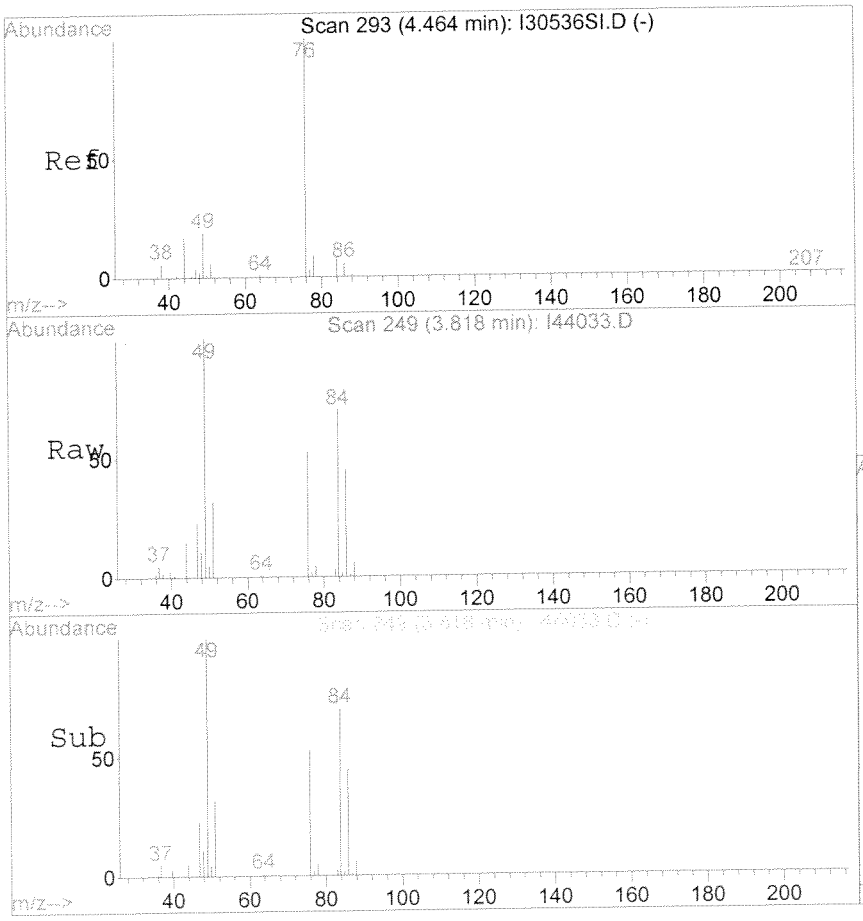


#16
Methylene Chloride
Concen: 21.86 ug/L
RT: 3.85 min Scan# 252
Delta R.T. 0.02 min
Lab File: I44033.D
Acq: 28 Sep 2010 5:33 pm

Tgt Ion: 84 Resp: 82379

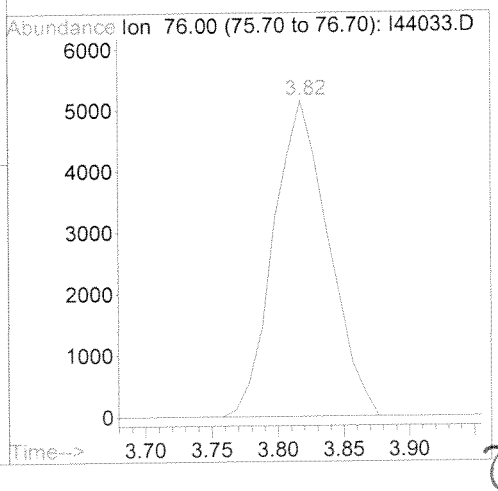
Ion	Ratio	Lower	Upper
84	100		
86	65.7	45.8	85.8
49	134.6	116.6	156.6





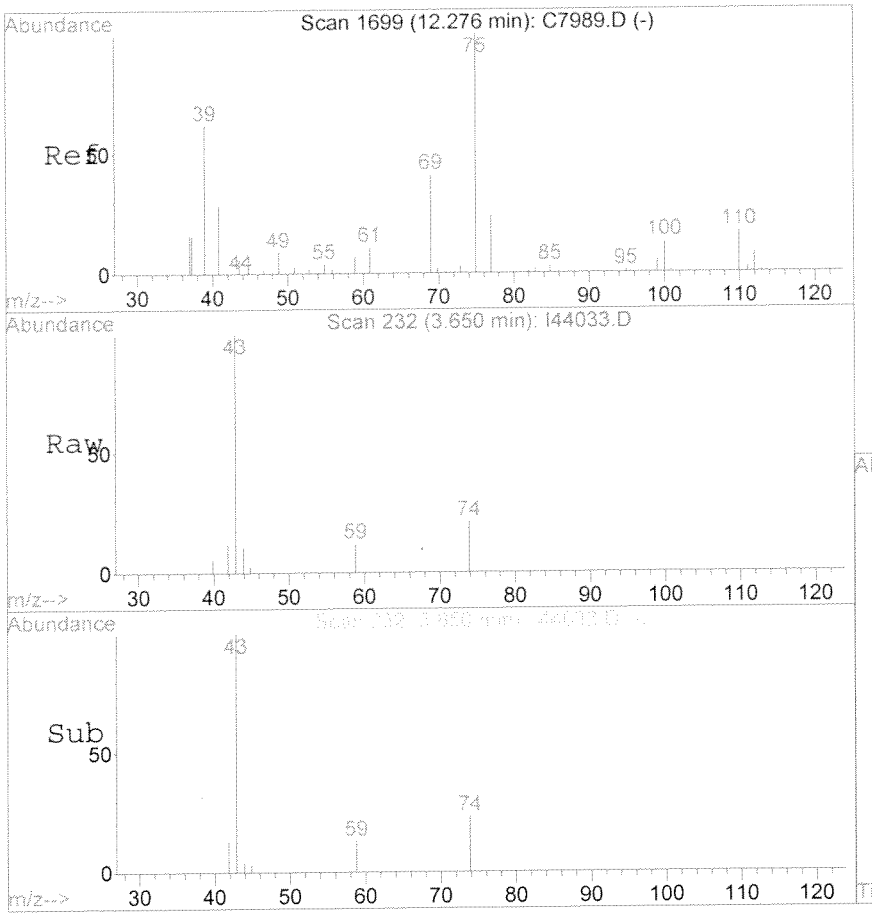
#17
Carbon Disulfide
Concen: 1.84 ug/L
RT: 3.82 min Scan# 249
Delta R.T. 0.02 min
Lab File: I44033.D
Acq: 28 Sep 2010 5:33 pm

Tgt Ion: 76 Resp: 14902



9/29/10

MT 9/29/10

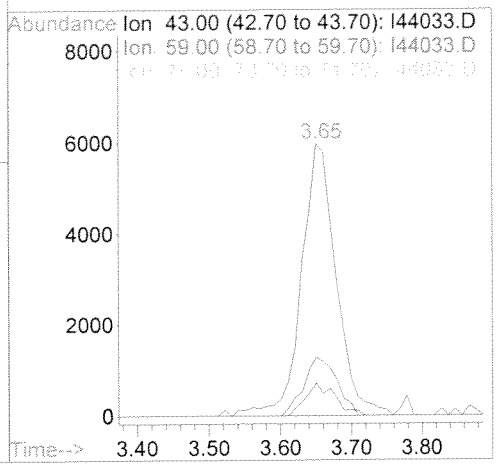


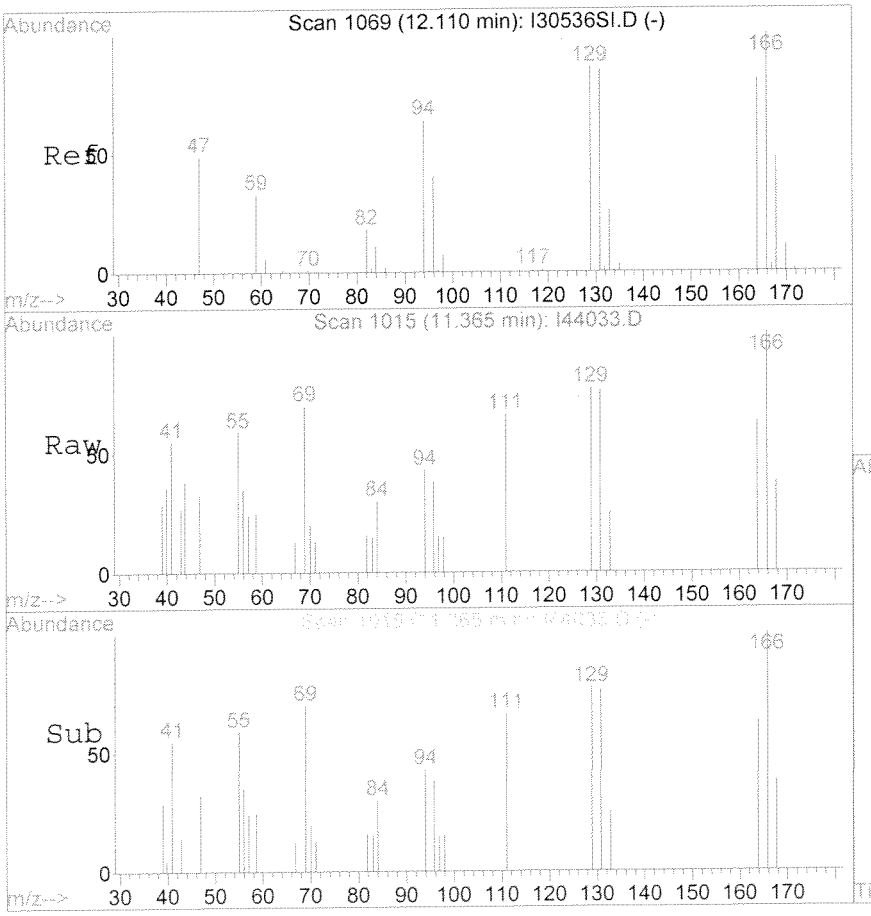
#43
Methyl acetate
Concen: 6.86 ug/L
RT: 3.65 min Scan# 232
Delta R.T. 0.01 min
Lab File: I44033.D
Acq: 28 Sep 2010 5:33 pm

Tgt Ion: 43 Resp: 20326

Ion	Ratio	Lower	Upper
43	100		
59	9.9	7.6	11.4
74	20.2	15.8	23.6

MT



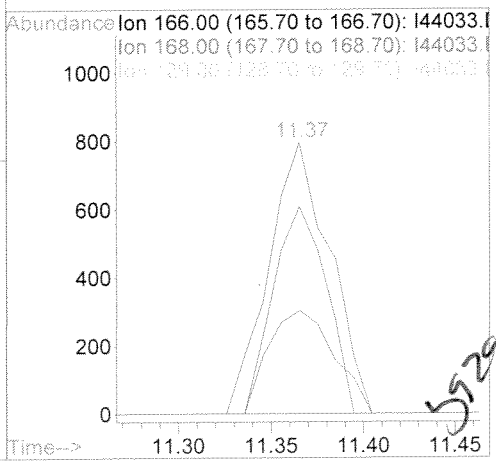


#60
Tetrachloroethene
Concen: 0.67 ug/L
RT: 11.37 min Scan# 1015
Delta R.T. 0.02 min
Lab File: I44033.D
Acq: 28 Sep 2010 5:33 pm

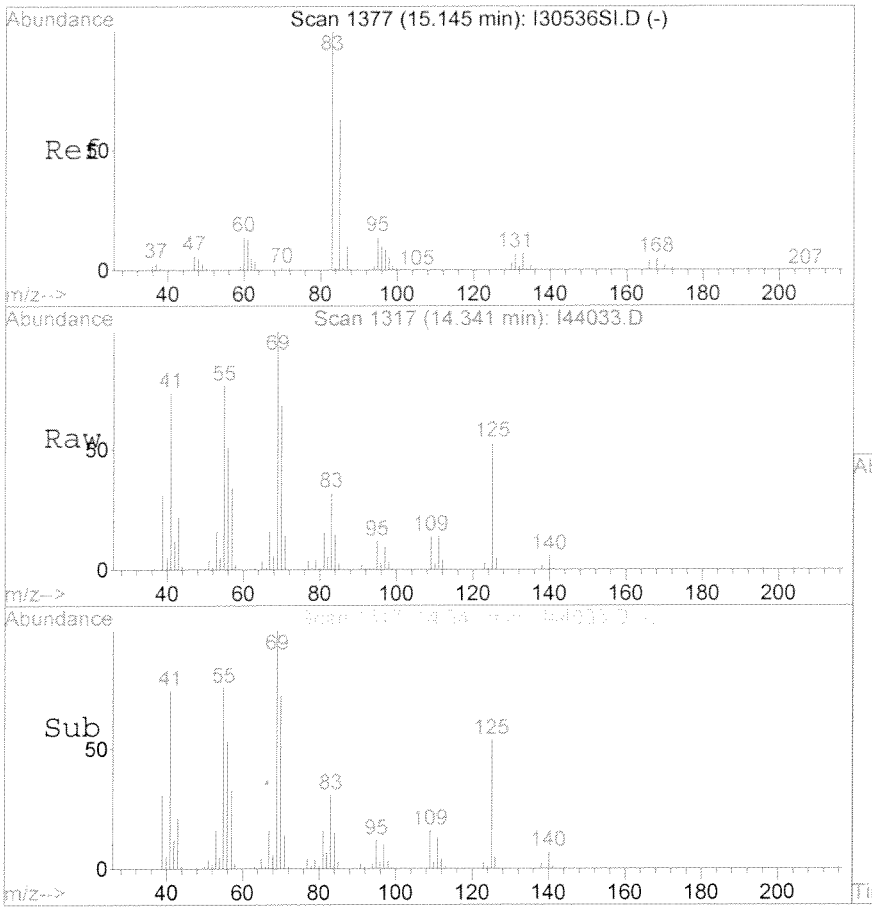
Tgt Ion:166 Resp: 1836

Ion	Ratio	Lower	Upper
166	100		
168	38.1	29.9	69.9
129	76.5	59.2	99.2

X



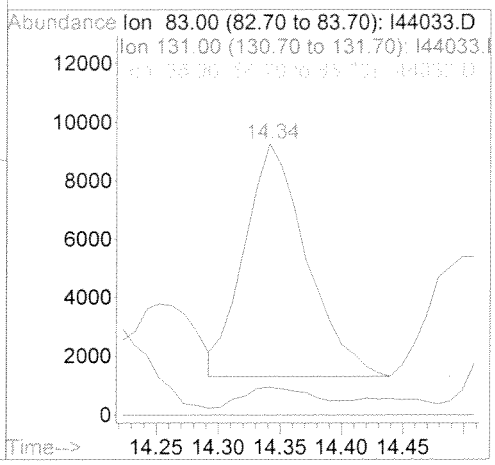
MT 9/29/10

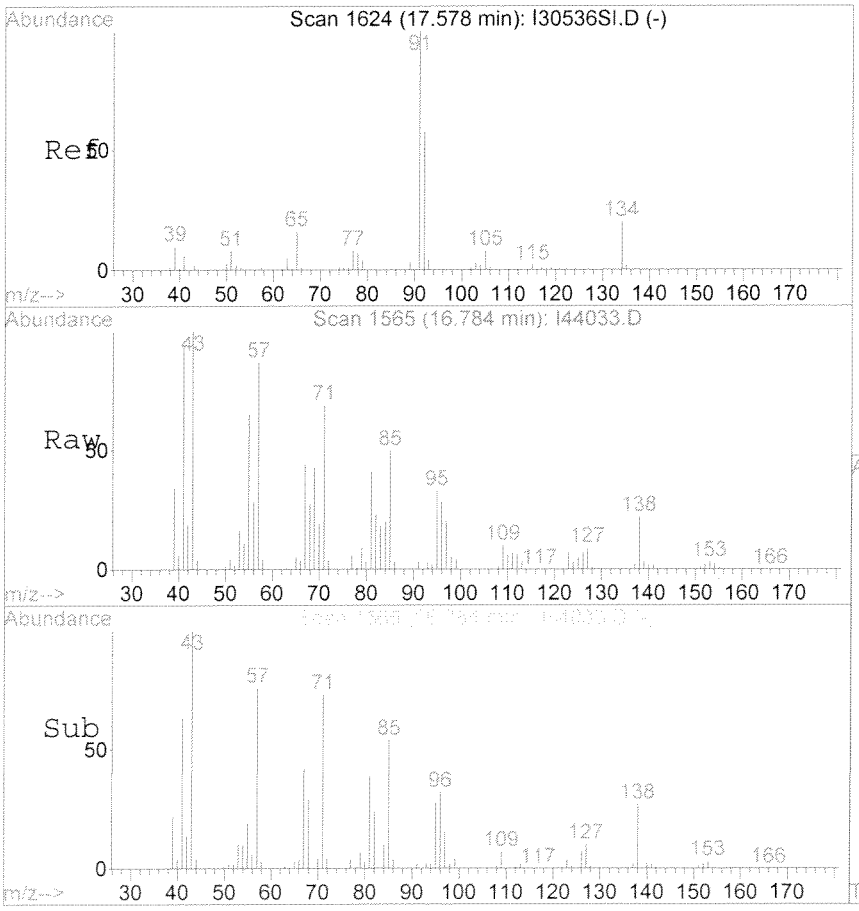


#72
1,1,2,2-Tetrachloroethane
Concen: 7.97 ug/L
RT: 14.34 min Scan# 1317
Delta R.T. -0.06 min
Lab File: I44033.D
Acq: 28 Sep 2010 5:33 pm

Tgt Ion: 83 Resp: 27883

Ion	Ratio	Lower	Upper
83	100		
131	0.0	0.0	18.8
85	8.9	55.6	75.6#

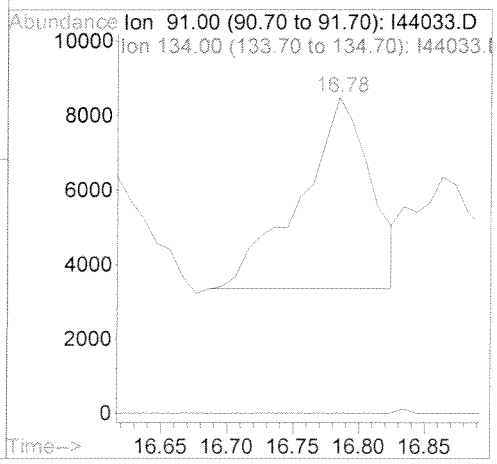




#89
n-butylbenzene
Concen: 2.00 ug/L
RT: 16.78 min Scan# 1565
Delta R.T. -0.03 min
Lab File: I44033.D
Acq: 28 Sep 2010 5:33 pm

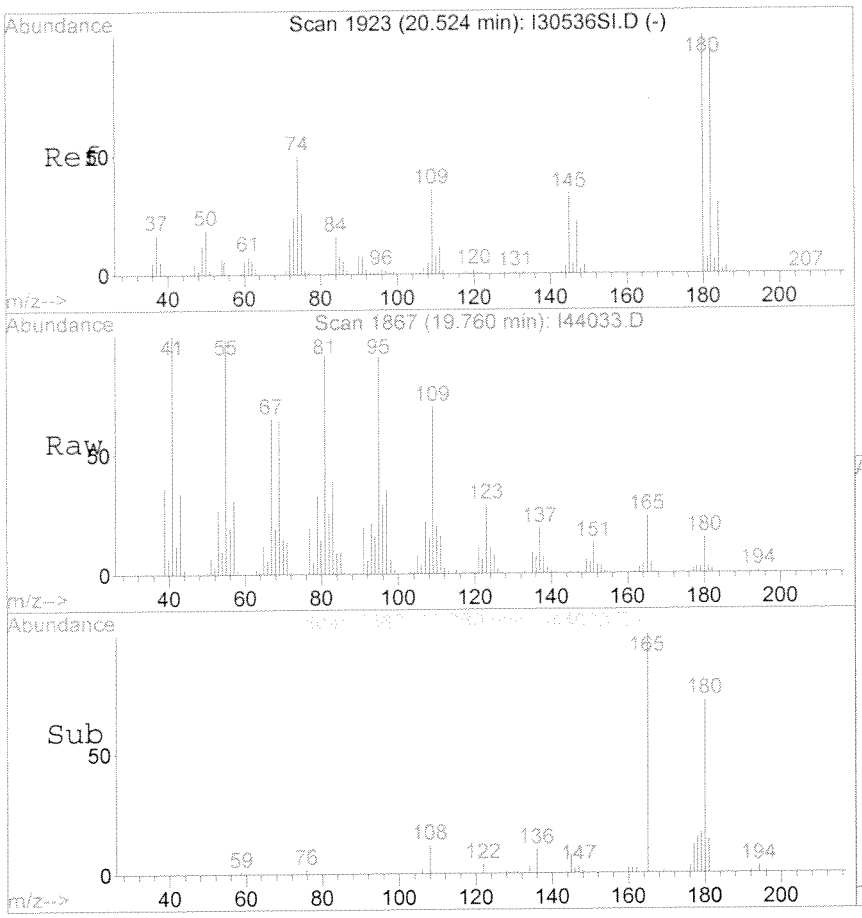
Tgt Ion: 91 Resp: 19162

Ion	Ratio	Lower	Upper
91	100		
134	0.0	0.4	40.4#



9/29/10

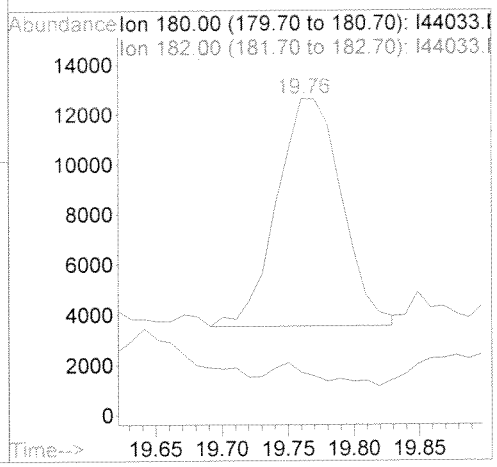
MT 9/29/10

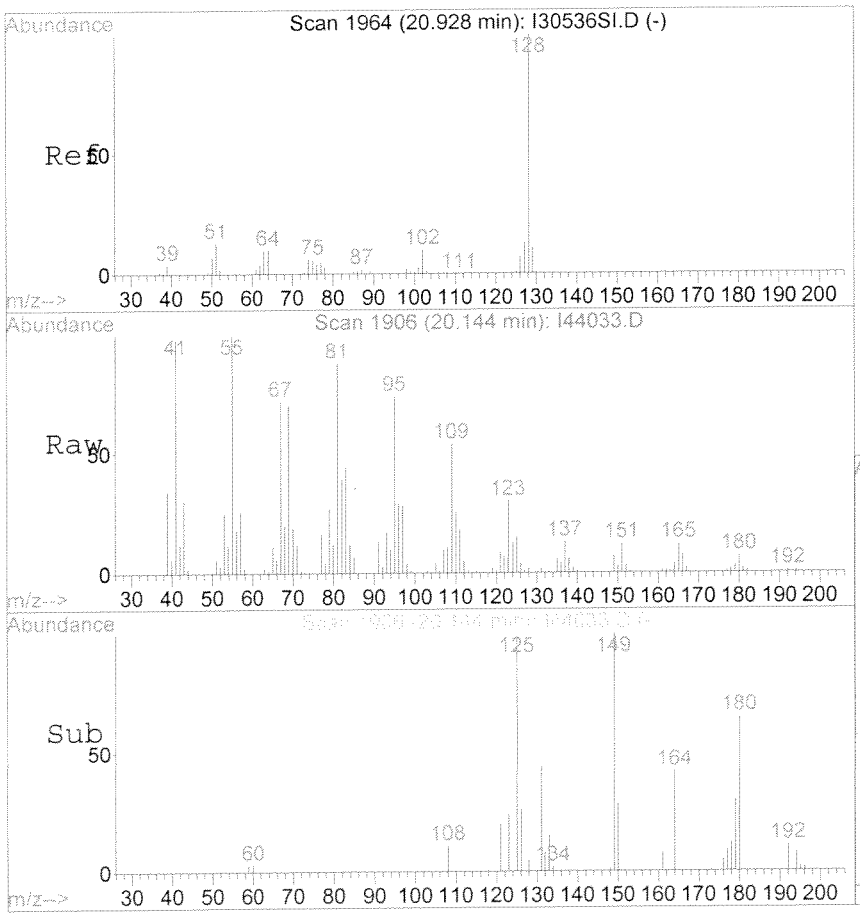


#94
1,2,4-Trichlorobenzene
Concen: 9.74 ug/L
RT: 19.76 min Scan# 1867
Delta R.T. 0.03 min
Lab File: I44033.D
Acq: 28 Sep 2010 5:33 pm

Tgt Ion:180 Resp: 31032

Ion	Ratio	Lower	Upper
180	100		
182	3.4	79.3	119.3#

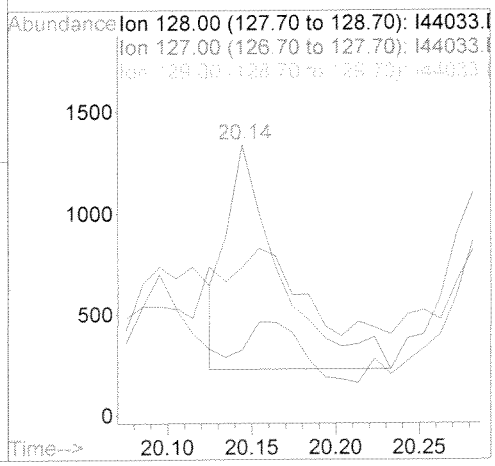




#96
Naphthalene
Concen: 1.19 ug/L
RT: 20.14 min Scan# 1906
Delta R.T. 0.02 min
Lab File: I44033.D
Acq: 28 Sep 2010 5:33 pm

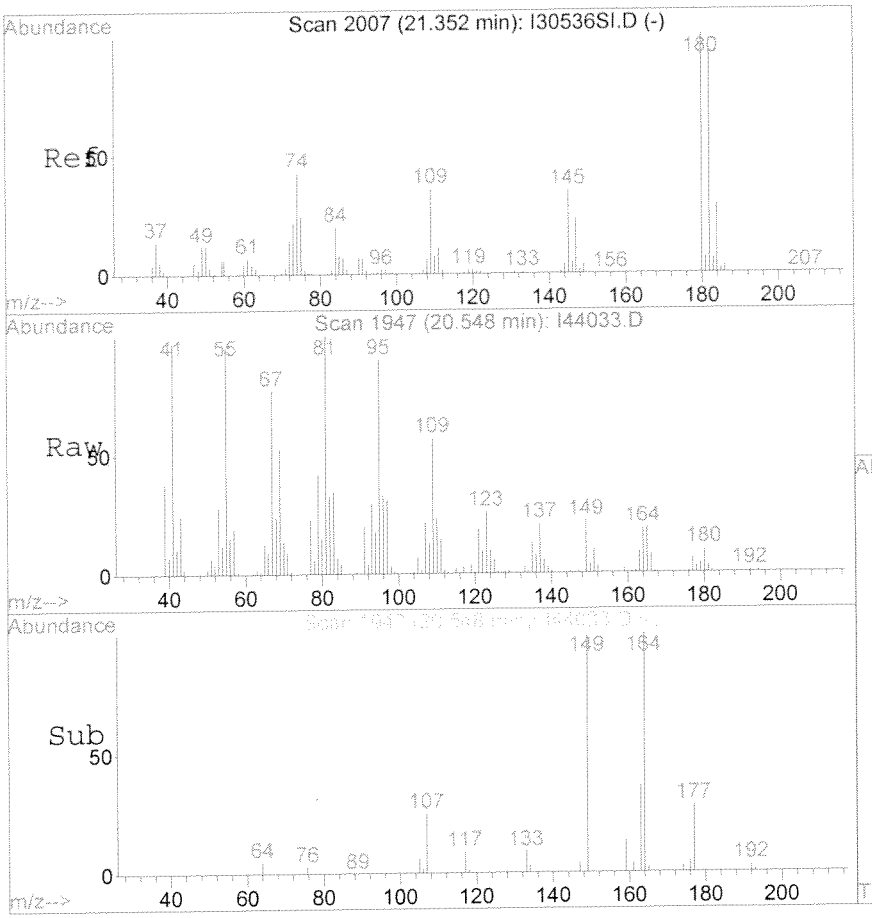
Tgt Ion:128 Resp: 2464

Ion	Ratio	Lower	Upper
128	100		
127	30.1	0.0	33.5
129	11.0	0.0	31.8



092910

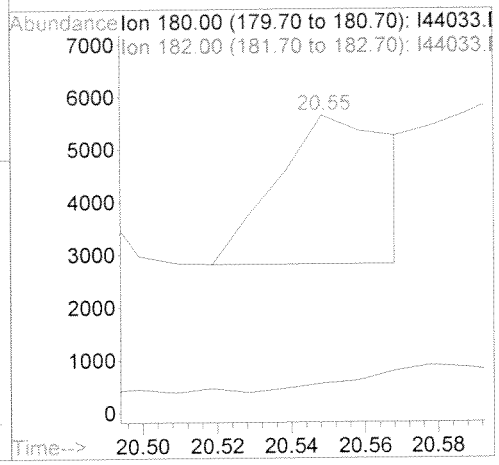
MT 9/29/10

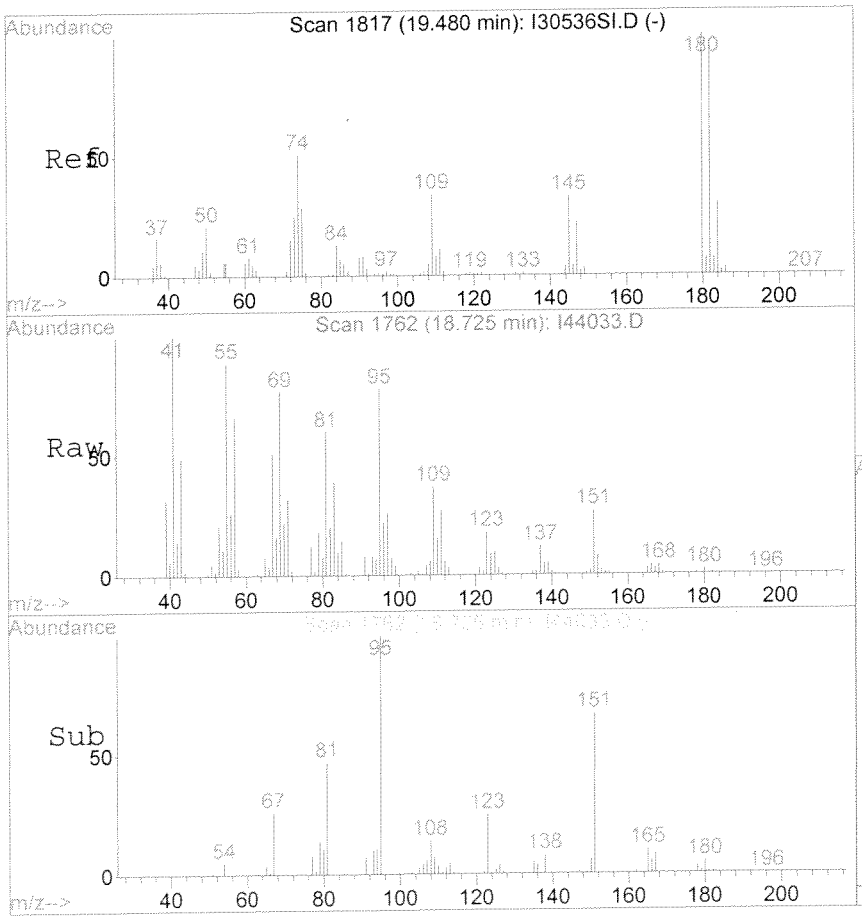


#97
1,2,3-Trichlorobenzene
Concen: 2.20 ug/L
RT: 20.55 min Scan# 1947
Delta R.T. 0.01 min
Lab File: I44033.D
Acq: 28 Sep 2010 5:33 pm

Tgt Ion:180 Resp: 6215

Ion	Ratio	Lower	Upper
180	100		
182	3.2	73.4	113.4#

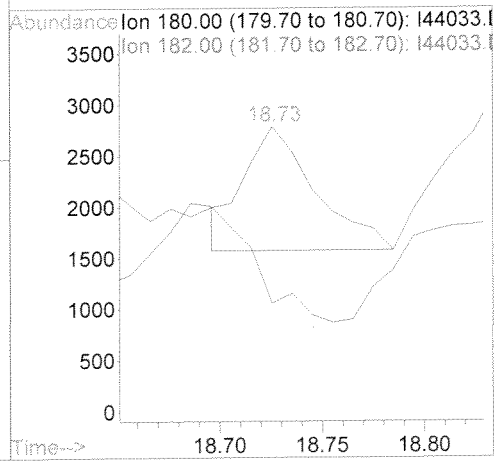




#98
1,3,5-Trichlorobenzene
Concen: 0.84 ug/L
RT: 18.73 min Scan# 1762
Delta R.T. 0.04 min
Lab File: I44033.D
Acq: 28 Sep 2010 5:33 pm

Tgt Ion:180 Resp: 2943

Ion	Ratio	Lower	Upper
180	100		
182	0.0	73.7	113.7#



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-7
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM2-SW-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.1	U	1,1,2-Trichloroethane	2.1	U
Chloromethane	2.1	U	1,3-Dichloropropane	2.1	U
Vinyl Chloride	2.1	U	Tetrachloroethene	2.1	U
Bromomethane	2.1	U	2-Hexanone	11	U
Chloroethane	2.1	U	Dibromochloromethane	2.1	U
Trichlorofluoromethane	2.1	U	1,2-Dibromoethane	2.1	U
1,1-Dichloroethene	2.1	U	Chlorobenzene	2.1	U
Acetone	11	**30**	1,1,1,2-Tetrachloroethane	2.1	U
Methyl iodide	2.1	U	Ethylbenzene	2.1	U
Carbon Disulfide	2.1	U	o-Xylene	2.1	U
Methylene Chloride	11	**11**	m,p-Xylene	2.1	U
trans-1,2-Dichloroethene	2.1	U	Styrene	2.1	U
Methyl-tert-butyl ether (MTBE)	2.1	U	Bromoform	2.1	U
1,1-Dichloroethane	2.1	U	Isopropylbenzene	2.1	U
Vinyl acetate	5.4	U	1,1,2,2-Tetrachloroethane	2.1	U
Methyl ethyl ketone	11	U	Bromobenzene	2.1	U
cis-1,2-Dichloroethene	2.1	U	1,2,3-Trichloropropane	2.1	U
2,2-Dichloropropane	2.1	U	n-Propylbenzene	2.1	U
Bromochloromethane	2.1	U	2-Chlorotoluene	2.1	U
Chloroform	2.1	U	1,3,5-Trimethylbenzene	2.1	U
1,1,1-Trichloroethane	2.1	U	4-Chlorotoluene	2.1	U
1,1-Dichloropropene	2.1	U	tert-butylbenzene	2.1	U
Carbon Tetrachloride	2.1	U	1,2,4-Trimethylbenzene	2.1	U
1,2-Dichloroethane	2.1	U	sec-butylbenzene	2.1	U
Benzene	2.1	U	p-isopropyltoluene	2.1	U
Trichloroethene	2.1	U	1,3-Dichlorobenzene	2.1	U
1,2-Dichloropropane	2.1	U	1,4-Dichlorobenzene	2.1	U
Dibromomethane	2.1	U	n-butylbenzene	2.1	U
Bromodichloromethane	2.1	U	1,2-Dichlorobenzene	2.1	U
cis-1,3-Dichloropropene	2.1	U	1,2-Dibromo-3-chloropropane	2.1	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.1	U
Toluene	2.1	U	Hexachlorobutadiene	2.1	U
trans-1,3-Dichloropropene	2.1	U	Naphthalene	2.1	U
			1,2,3-Trichlorobenzene	2.1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	101	%	d8-Toluene	100	%	Bromofluorobenzen	105	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44050.D Vial: 39
Acq On : 29 Sep 2010 1:33 am Operator: MT
Sample : 67834-7 Inst : Instrumen
Misc : ,4.91,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF= (5)/(4.9kg)(.950%) = 1.1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	108221	20.00	ug/L	0.03
39) 1,4-Difluorobenzene	7.95	114	203585 ✓	20.00	ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	174041	20.00	ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.40	152	75510	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.32	65	93882	20.30	ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.50% ✓			
36) d4-1,2-Dichloroethane	7.32	65	93882	20.30	ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.50% ✓			
54) d8-Toluene	10.25	98	219502	20.06	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.30% ✓			
73) Bromofluorobenzene	14.51	95	93285	20.99	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.95% ✓			

Target Compounds						Qvalue
12) Acetone	3.05	43	35730	✓28.27	ug/L	100
~~14) Methyl iodide~~	3.60	142	2132	~~0.54~~	ug/L #	94
16) Methylene Chloride	3.85	84	50594	✓10.22	ug/L	97
M 43) Methyl acetate	3.67	43	11398	M 3.65	ug/L #	92
~~96) Naphthalene~~	20.14	128	557	~~0.86~~	ug/L	68

9/29/10

(#) = qualifier out of range (m) = manual integration

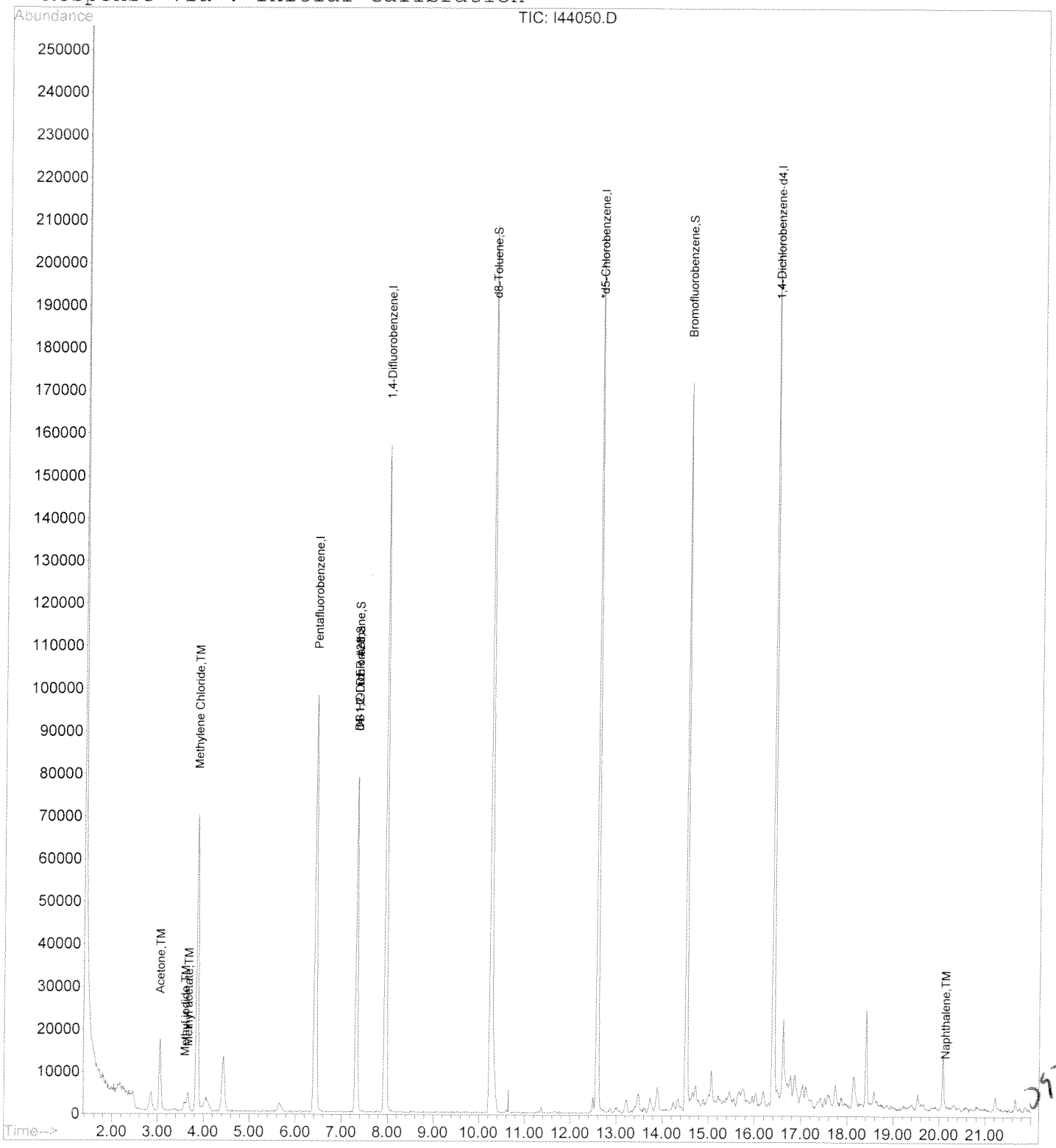
Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44050.D
Acq On : 29 Sep 2010 1:33 am
Sample : 67834-7
Misc : ,4.91,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010

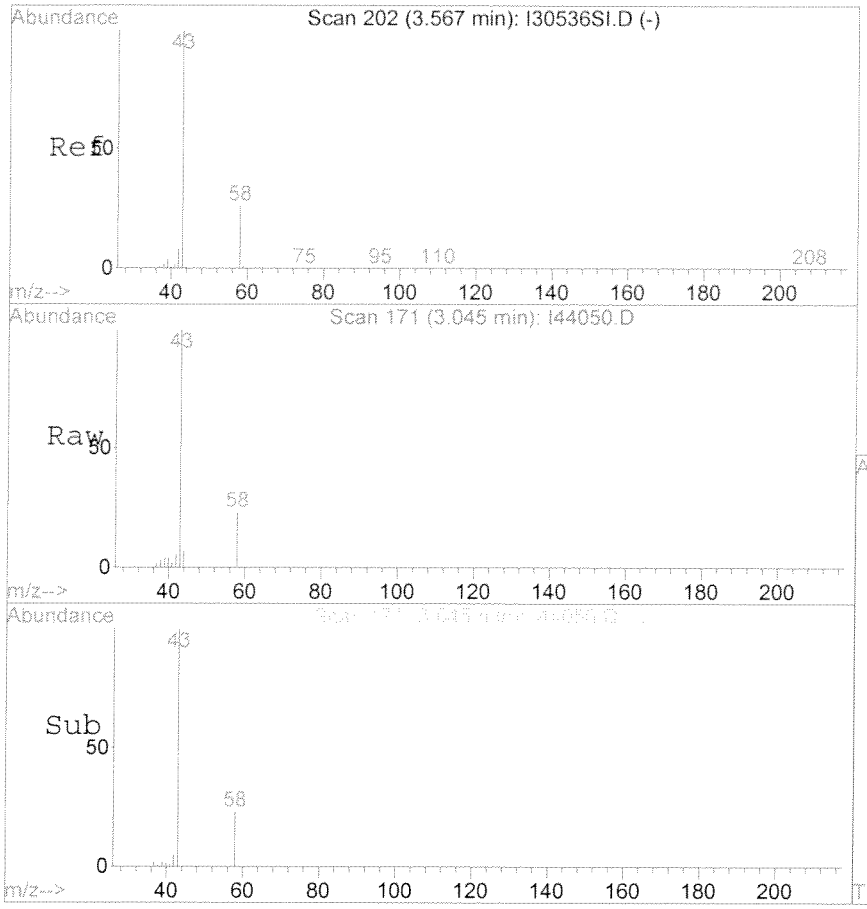
Vial: 39
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



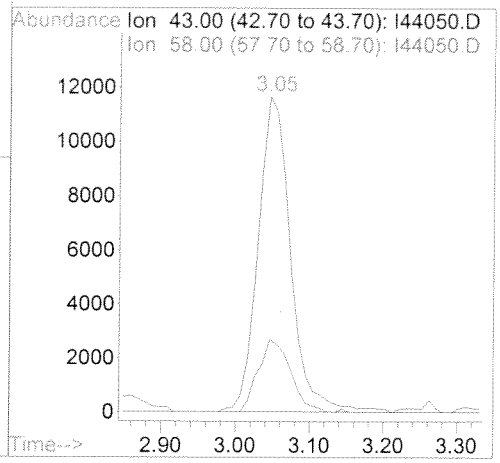
JS29W

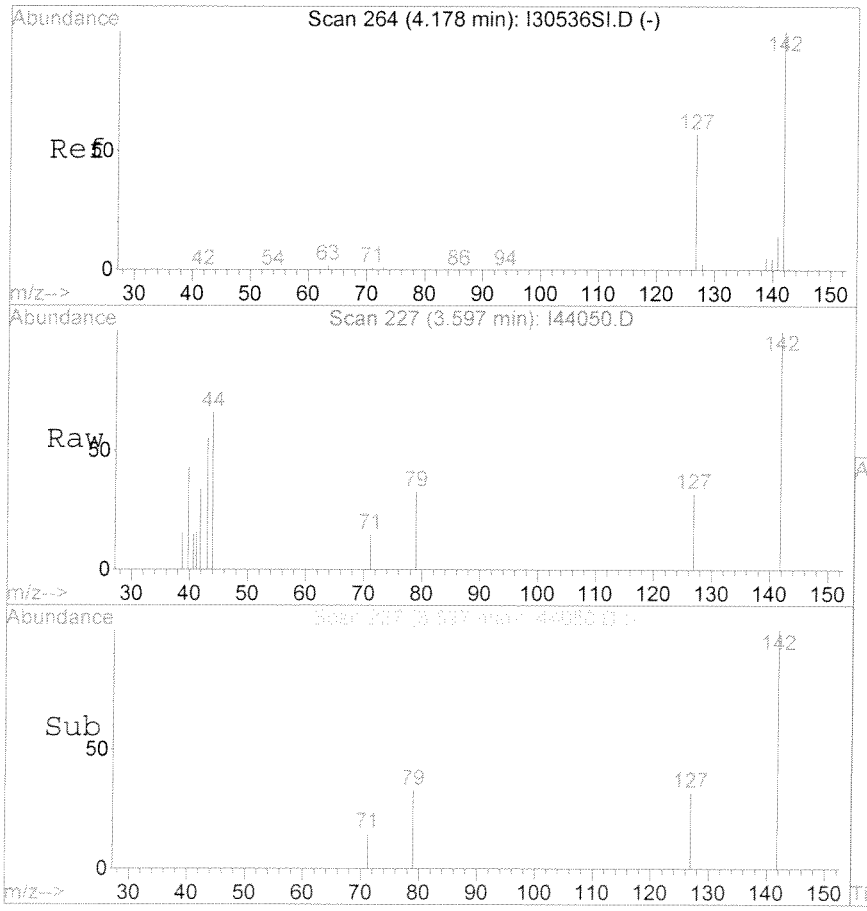


#12 MT 9/29/10
Acetone
Concen: 28.27 ug/L
RT: 3.05 min Scan# 171
Delta R.T. 0.02 min
Lab File: I44050.D
Acq: 29 Sep 2010 1:33 am

Tgt Ion: 43 Resp: 35730

Ion	Ratio	Lower	Upper
43	100		
58	22.8	18.3	27.5

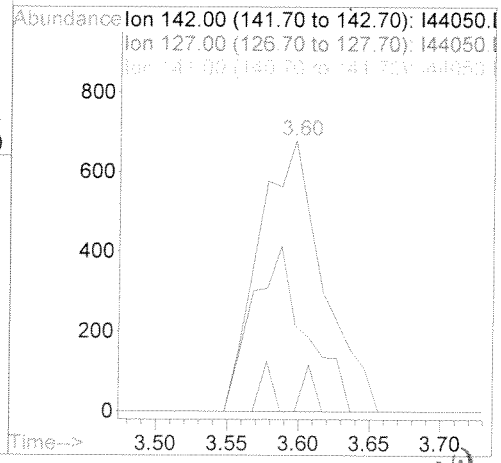




#14
Methyl iodide
Concen: 0.54 ug/L
RT: 3.60 min Scan# 227
Delta R.T. 0.04 min
Lab File: I44050.D
Acq: 29 Sep 2010 1:33 am

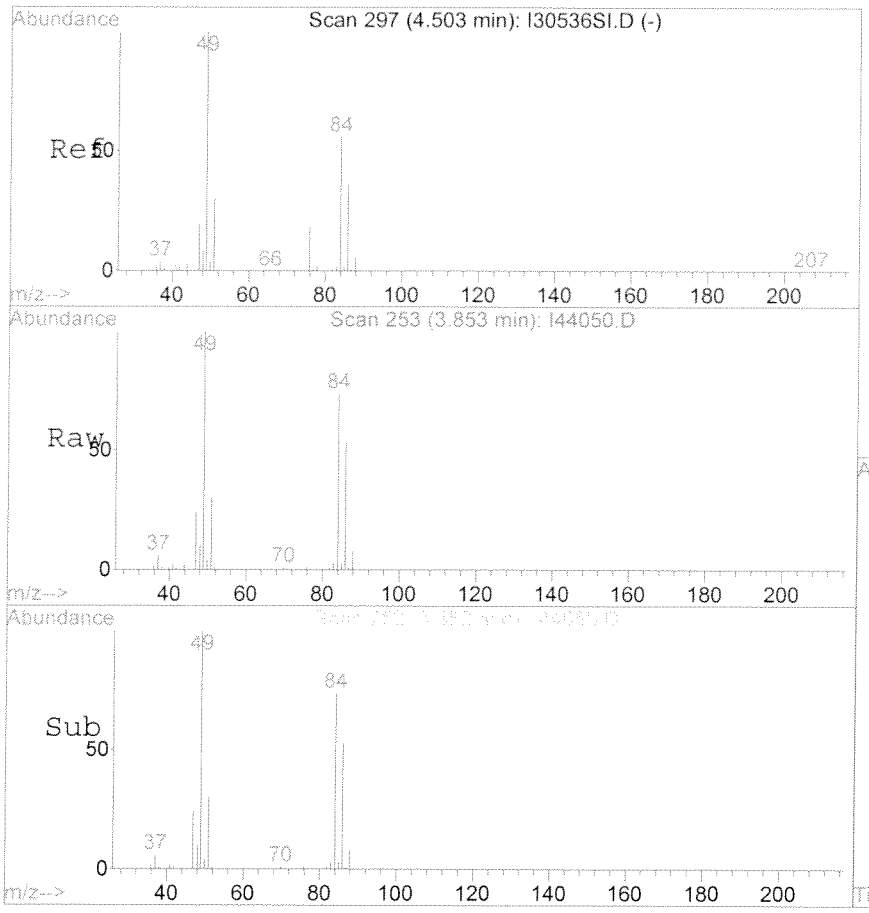
Tgt Ion:142 Resp: 2132

Ion	Ratio	Lower	Upper
142	100		
127	50.8	41.0	61.4
141	3.5	11.2	16.8#



9/29/10

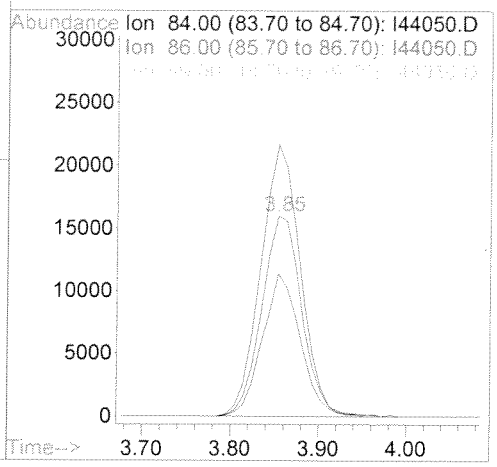
MT 9/29/10

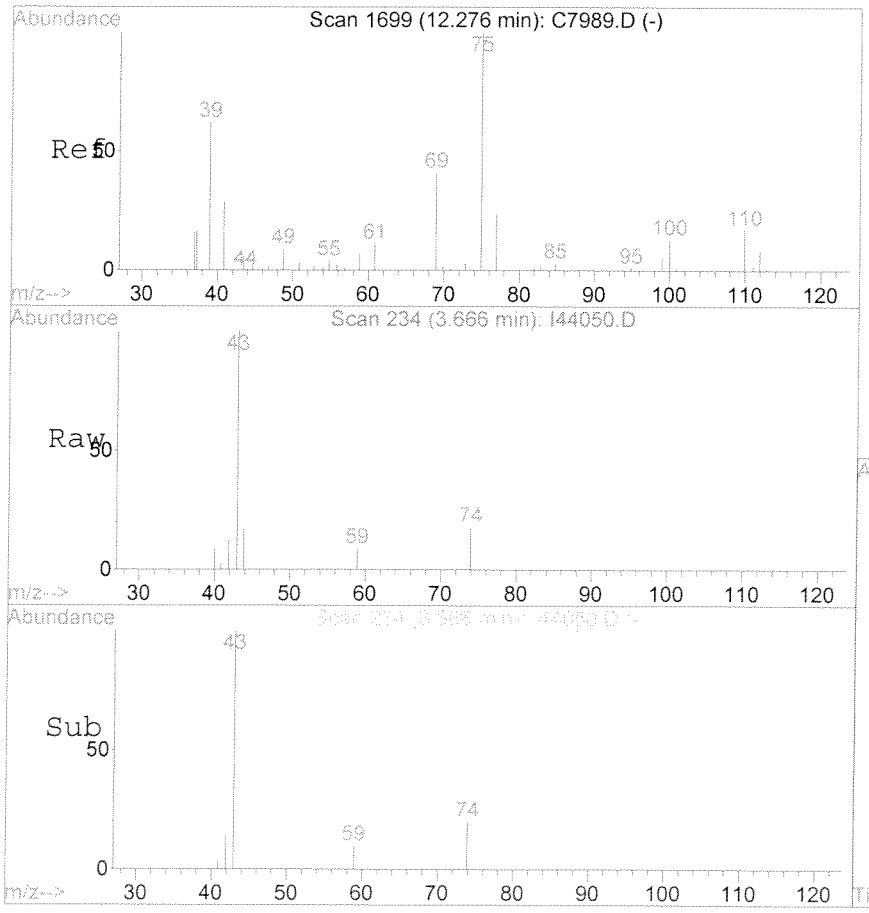


#16
Methylene Chloride
Concen: 10.22 ug/L
RT: 3.85 min Scan# 253
Delta R.T. 0.03 min
Lab File: I44050.D
Acq: 29 Sep 2010 1:33 am

Tgt Ion: 84 Resp: 50594

Ion	Ratio	Lower	Upper
84	100		
86	71.2	45.8	85.8
49	135.5	116.6	156.6



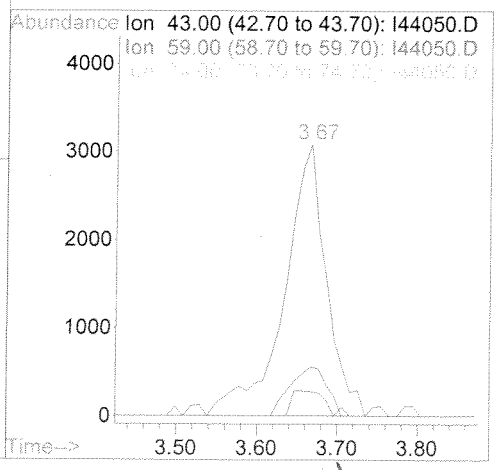


#43
Methyl acetate
Concen: 3.65 ug/L
RT: 3.67 min Scan# 234
Delta R.T. 0.03 min
Lab File: I44050.D
Acq: 29 Sep 2010 1:33 am

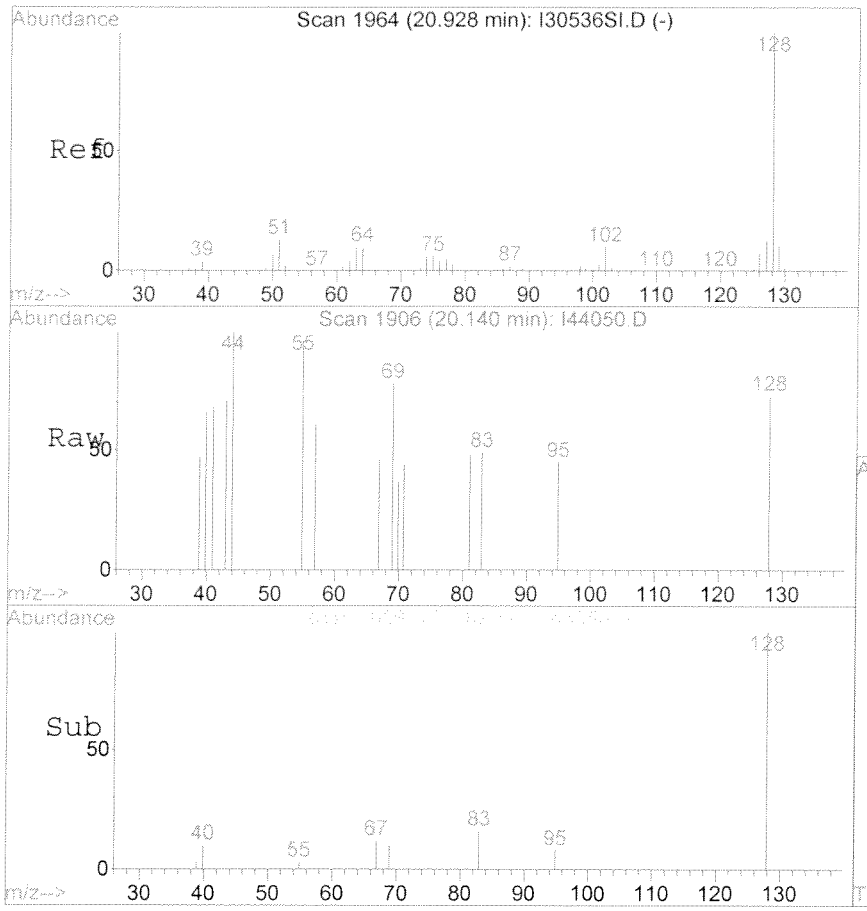
Tgt Ion: 43 Resp: 11398

Ion	Ratio	Lower	Upper
43	100		
59	7.2	7.6	11.4#
74	15.6	15.8	23.6#

MT



JS 9/29/10

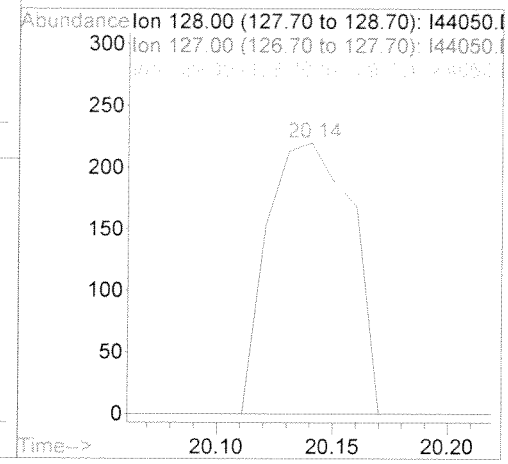


#96 MT 9/29/10
Naphthalene
Concen: 0.86 ug/L
RT: 20.14 min Scan# 1906
Delta R.T. 0.02 min
Lab File: I44050.D
Acq: 29 Sep 2010 1:33 am

Tgt Ion:128 Resp: 557

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8

X



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-8
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM2-SW-02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	9.9	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	9.9	**23**	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	9.9	**16**	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	4.9	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	9.9	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	9.9	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	106 %	d8-Toluene	99 %	Bromofluorobenzen	100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44051.D
Acq On : 29 Sep 2010 2:01 am
Sample : 67834-8
Misc : ,5.53,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010

Vial: 40
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF= (5)/(5.53)(.9147) = 0.99

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	116393	20.00 ug/L	0.03
39) 1,4-Difluorobenzene	7.95	114	219009 ✓	20.00 ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	186136 ✓	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.40	152	78575	20.00 ug/L	0.02

System Monitoring Compounds					
28) DB HOLDER #28	7.32	65	105157	21.14 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	105.70% ✓	
36) d4-1,2-Dichloroethane	7.32	65	105157	21.14 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	105.70% ✓	
54) d8-Toluene	10.25	98	234143	19.89 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.45% ✓	
73) Bromofluorobenzene	14.51	95	95532	20.10 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.50% ✓	

Target Compounds					Qvalue
~~5) Bromomethane~~	2.19	94	1502	~~0.62~~ ug/L	83
12) Acetone	3.05	43	32287	✓ 23.76 ug/L	99
16) Methylene Chloride	3.86	84	74878	✓ 16.39 ug/L	94
43) Methyl acetate	3.67	43	6025	1.79 ug/L #	88
~~96) Naphthalene~~	20.14	128	427	~~0.83~~ ug/L	68

9/29/10

(#) = qualifier out of range (m) = manual integration
I44051.D VS09270I.M Wed Sep 29 07:12:17 2010 Page 1

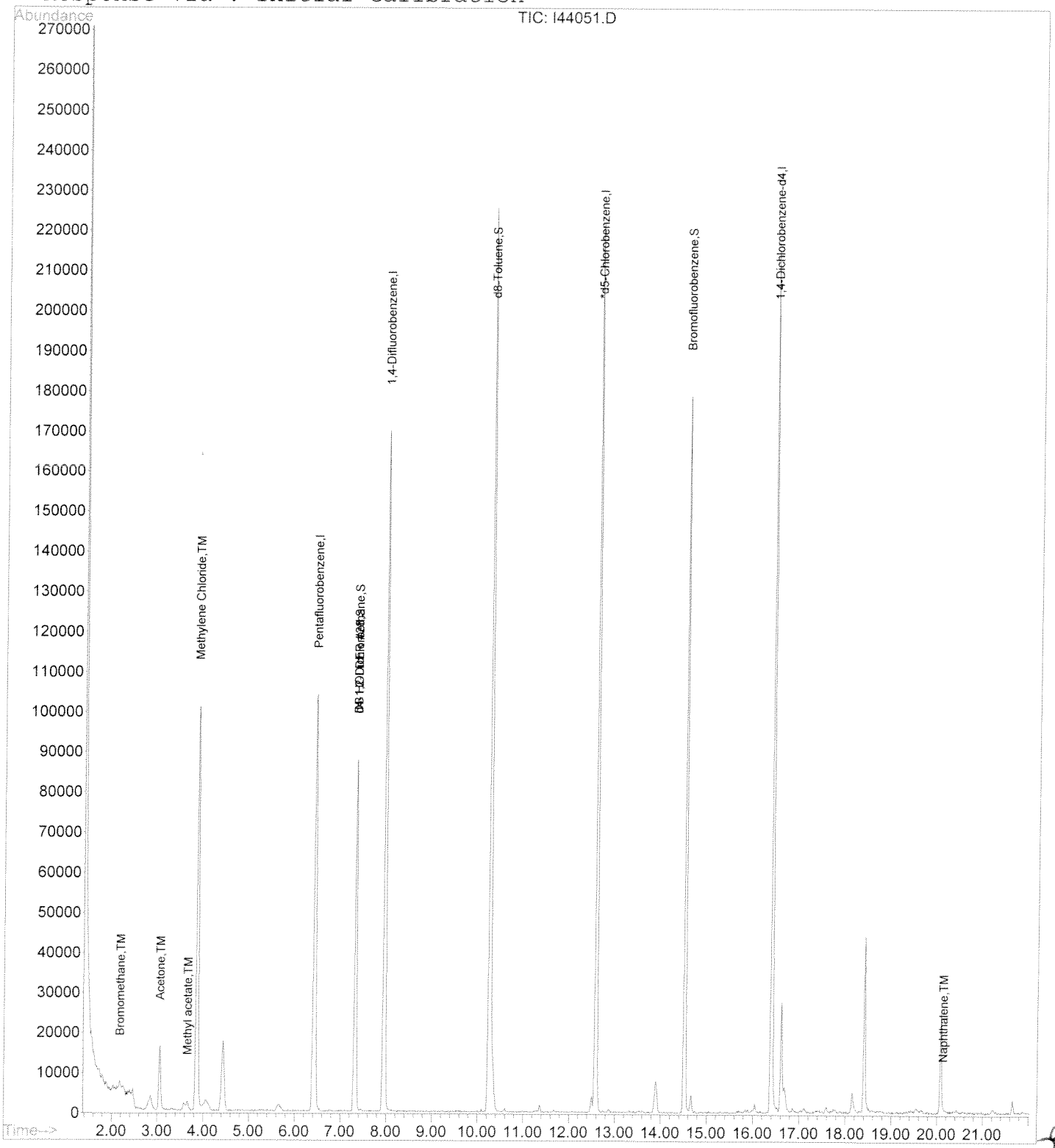
Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44051.D
Acq On : 29 Sep 2010 2:01 am
Sample : 67834-8
Misc : ,5.53,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010

Vial: 40
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

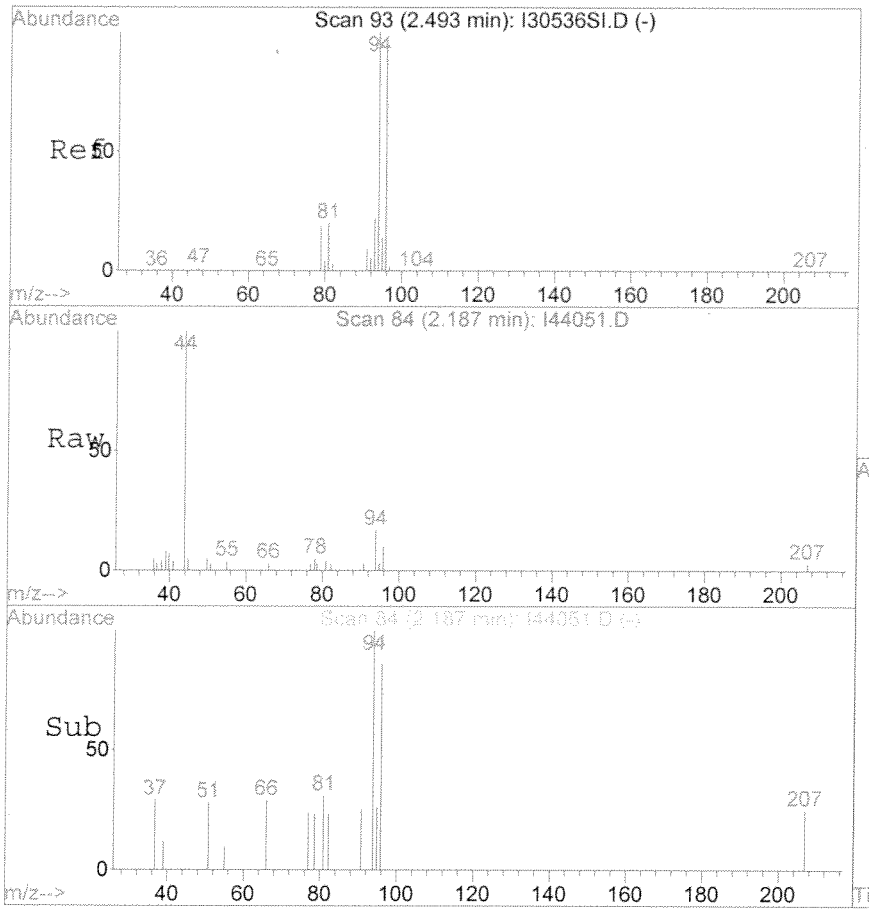
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



9/29/10

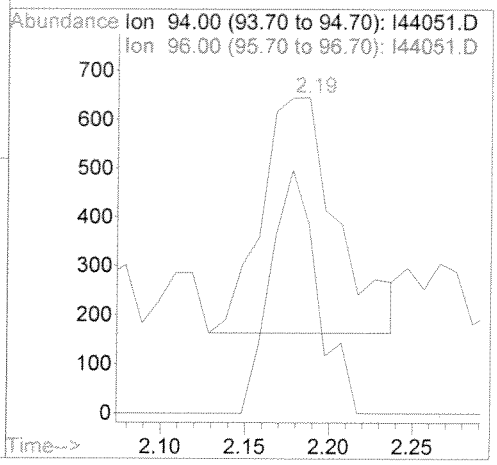
MT 9/29/10

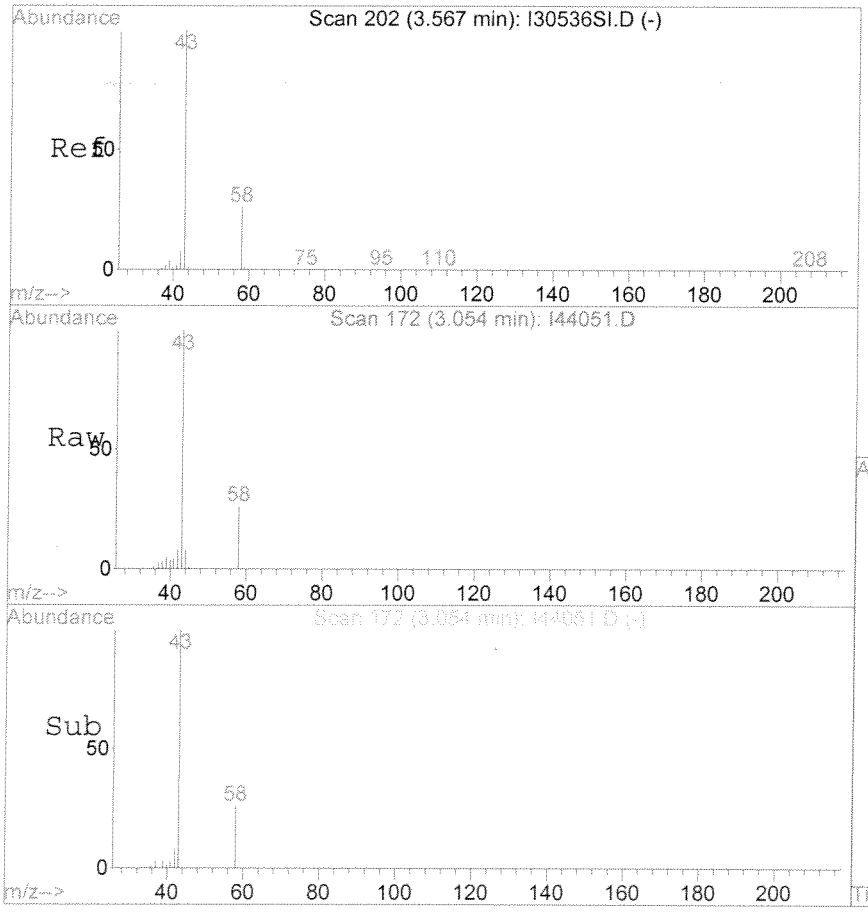


#5
Bromomethane
Concen: 0.62 ug/L
RT: 2.19 min Scan# 84
Delta R.T. 0.03 min
Lab File: I44051.D
Acq: 29 Sep 2010 2:01 am

Tgt Ion: 94 Resp: 1502

Ion	Ratio	Lower	Upper
94	100		
96	79.7	76.0	116.0

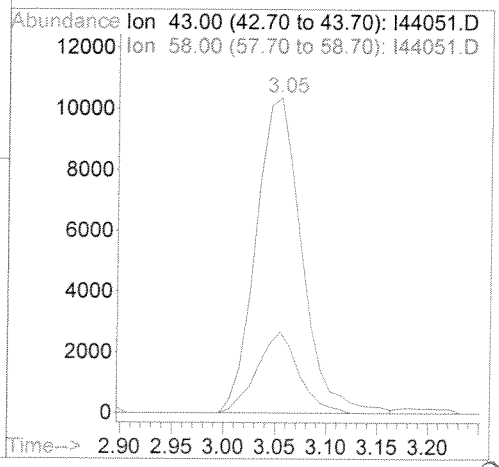




#12
Acetone
Concen: 23.76 ug/L
RT: 3.05 min Scan# 172
Delta R.T. 0.03 min
Lab File: I44051.D
Acq: 29 Sep 2010 2:01 am

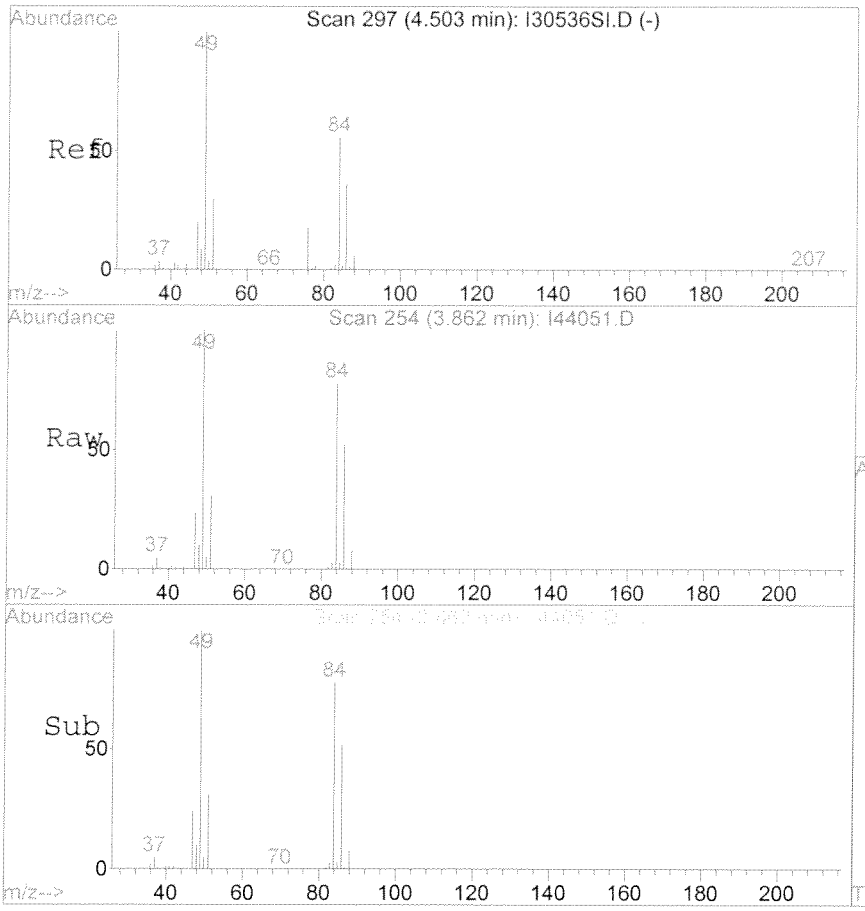
Tgt Ion: 43 Resp: 32287

Ion	Ratio	Lower	Upper
43	100		
58	23.4	18.3	27.5



9/29/10

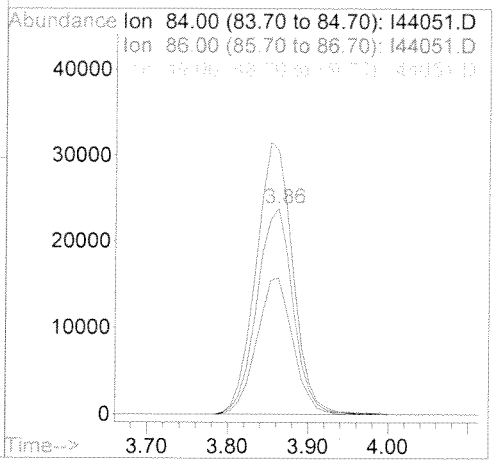
MT 9/29/10

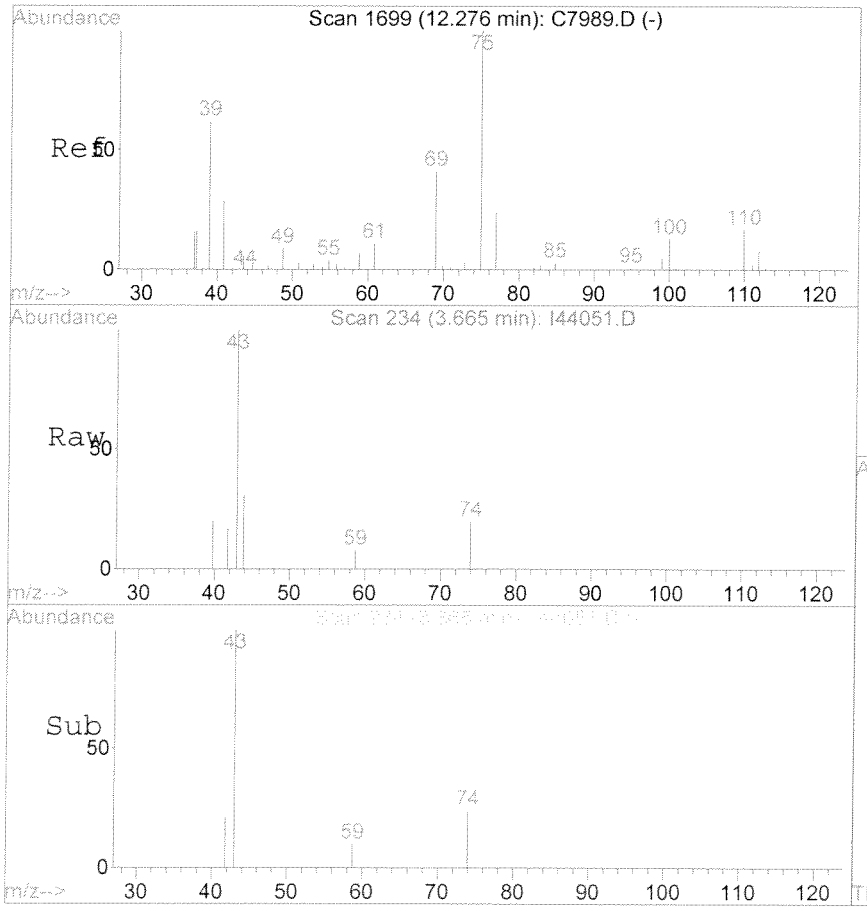


#16
Methylene Chloride
Concen: 16.39 ug/L
RT: 3.86 min Scan# 254
Delta R.T. 0.04 min
Lab File: I44051.D
Acq: 29 Sep 2010 2:01 am

Tgt Ion: 84 Resp: 74878

Ion	Ratio	Lower	Upper
84	100		
86	67.4	45.8	85.8
49	127.8	116.6	156.6



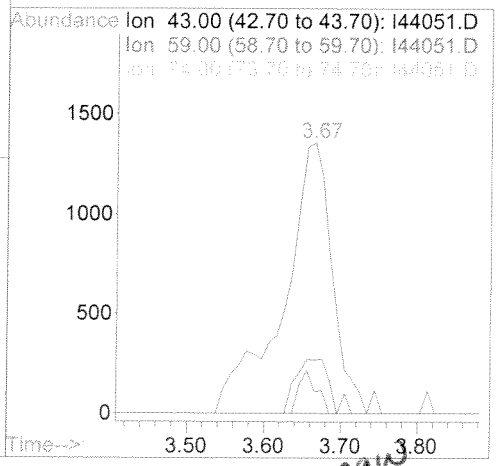


#43
Methyl acetate
Concen: 1.79 ug/L
RT: 3.67 min Scan# 234
Delta R.T. 0.03 min
Lab File: I44051.D
Acq: 29 Sep 2010 2:01 am

Tgt Ion: 43 Resp: 6025

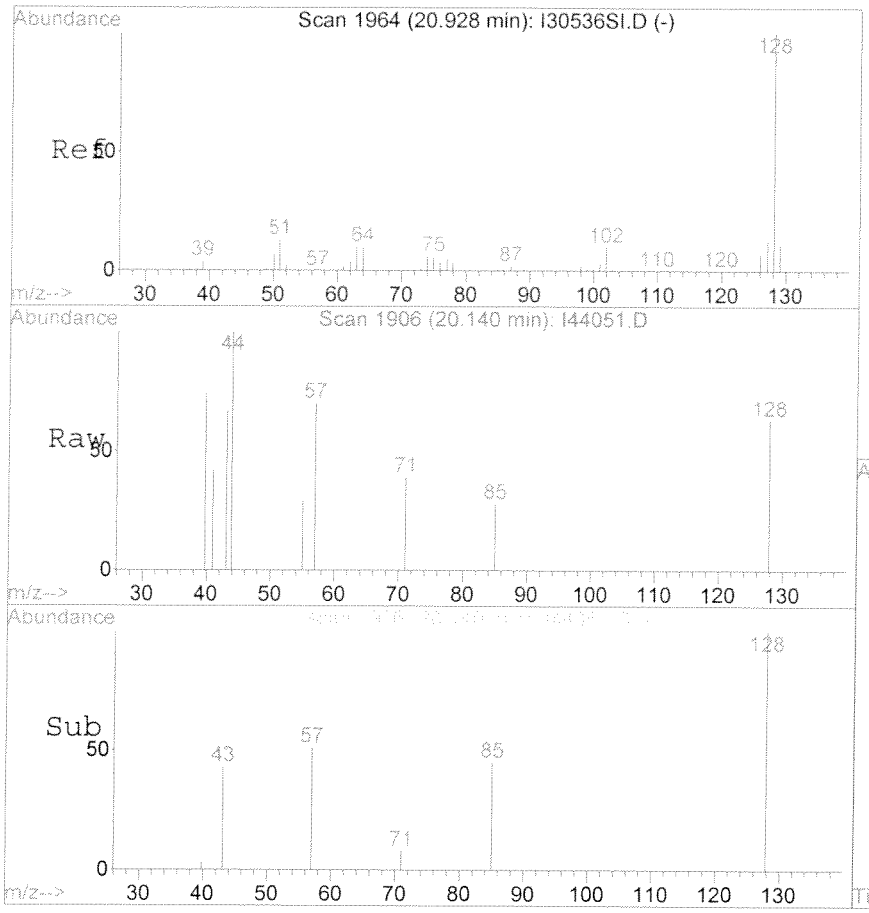
Ion	Ratio	Lower	Upper
43	100		
59	5.7	7.6	11.4#
74	14.1	15.8	23.6#

MT



9/29/10

MT 9/29/10

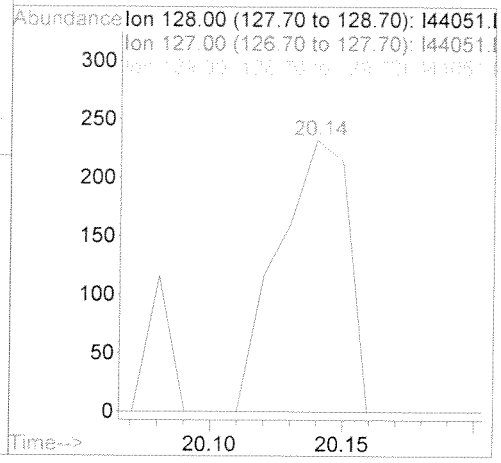


#96
Naphthalene
Concen: 0.83 ug/L
RT: 20.14 min Scan# 1906
Delta R.T. 0.02 min
Lab File: I44051.D
Acq: 29 Sep 2010 2:01 am

Tgt Ion:128 Resp: 427

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8

X



L)

5929W

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-10
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	**1.0 J**	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	**21**	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	**1.4 JB**	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	**12**	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105	%	d8-Toluene	100	%	Bromofluorobenzen	101	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44021.D
Acq On : 28 Sep 2010 11:55 am
Sample : 67834-10
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 14:06 2010

Vial: 10
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5)/(5.00)(1.000) = 1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	111716	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	7.94	114	208010 ✓	20.00	ug/L	0.02
63) *d5-Chlorobenzene	12.57	117	180081 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.40	152	77413	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.31	65	100657	21.08	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.40% ✓			
36) d4-1,2-Dichloroethane	7.31	65	100657	21.08	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.40% ✓			
54) d8-Toluene	10.25	98	223656	20.00	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.00% ✓			
73) Bromofluorobenzene	14.50	95	92818	20.18	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.90% ✓			

Target Compounds						Qvalue
5) Bromomethane	2.17	94	3022	J 1.30	ug/L	98
12) Acetone	3.04	43	27922	✓ 21.40	ug/L	100
14) Methyl iodide	3.58	142	5951	B/J 1.45	ug/L	97
16) Methylene Chloride	3.84	84	58339	✓ 12.14	ug/L	94
M 43) Methyl acetate	3.66	43	6150	M 1.93	ug/L #	91
~~60)~~ Tetrachloroethene	11.36	166	1774	< ~~0.60~~	ug/L	90
~~96)~~ Naphthalene	20.13	128	1574	MJ ~~1.01~~	ug/L	68

J 9/29/10

(#) = qualifier out of range (m) = manual integration

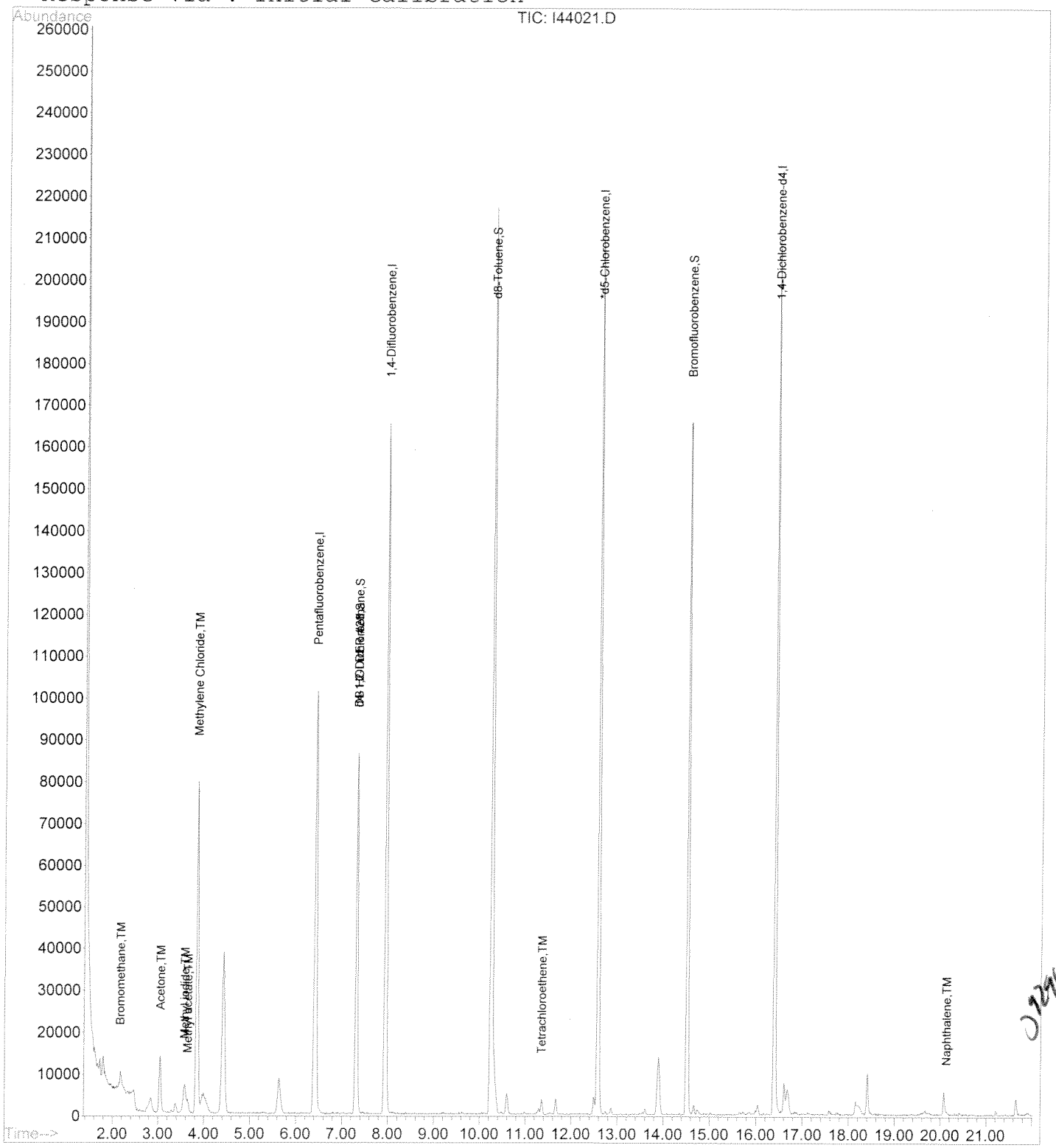
Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44021.D
Acq On : 28 Sep 2010 11:55 am
Sample : 67834-10
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 14:06 2010

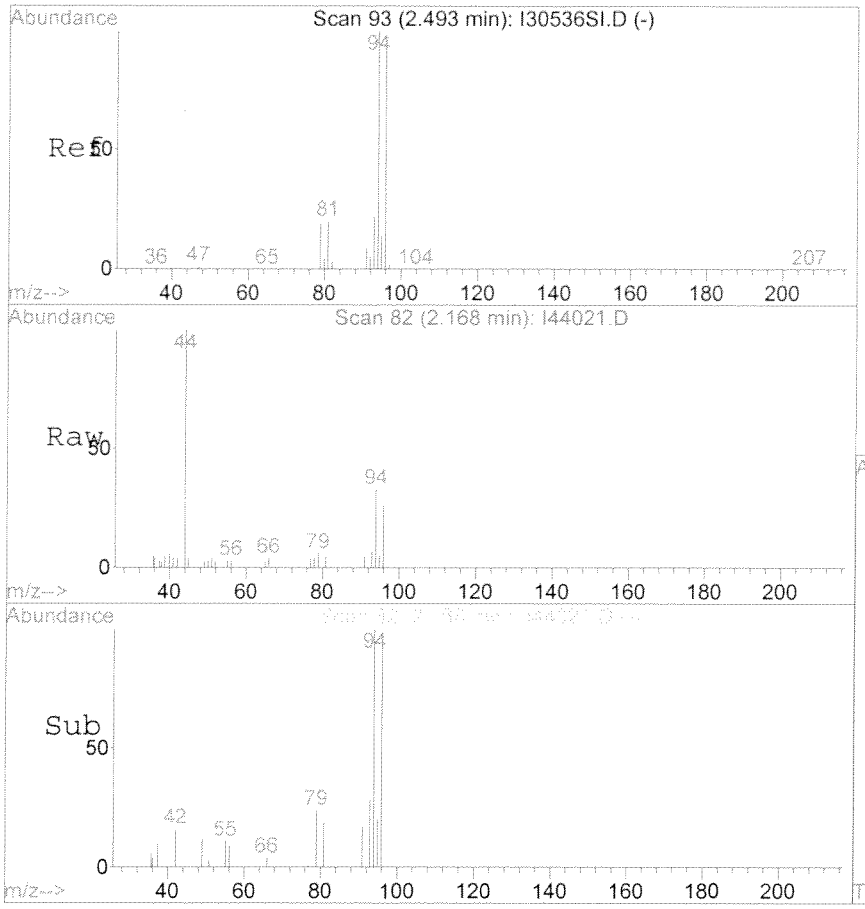
Vial: 10
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



9/29/10

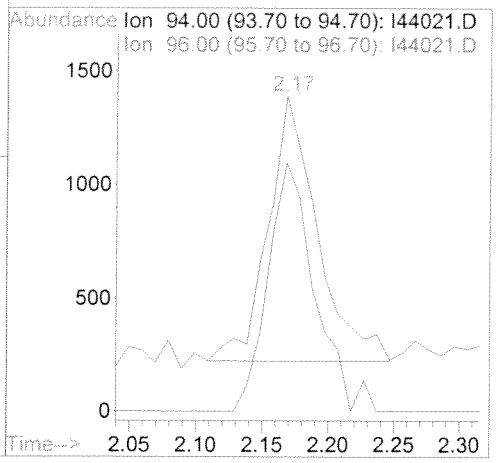


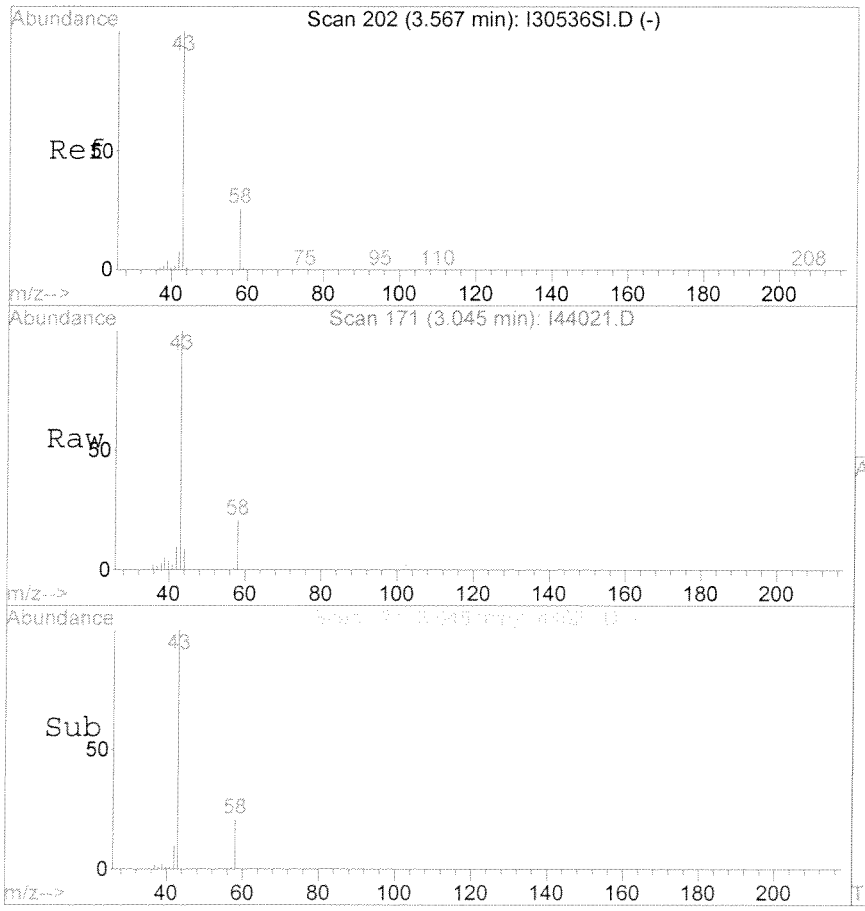
MT 9/29/10

#5
Bromomethane
Concen: 1.30 ug/L
RT: 2.17 min Scan# 82
Delta R.T. 0.01 min
Lab File: I44021.D
Acq: 28 Sep 2010 11:55 am

Tgt Ion: 94 Resp: 3022

Ion	Ratio	Lower	Upper
94	100		
96	93.9	76.0	116.0

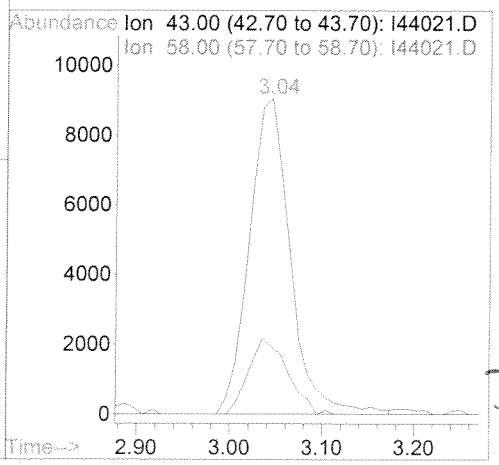




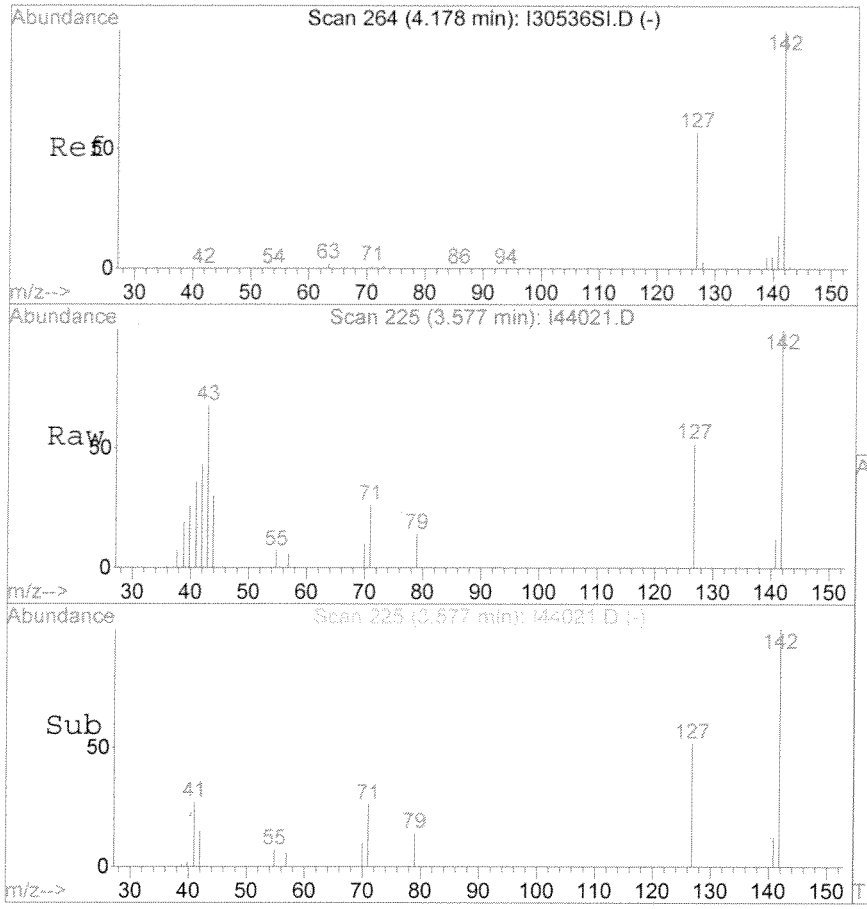
#12
Acetone
Concen: 21.40 ug/L
RT: 3.04 min Scan# 171
Delta R.T. 0.02 min
Lab File: I44021.D
Acq: 28 Sep 2010 11:55 am

Tgt Ion: 43 Resp: 27922

Ion	Ratio	Lower	Upper
43	100		
58	22.9	18.3	27.5



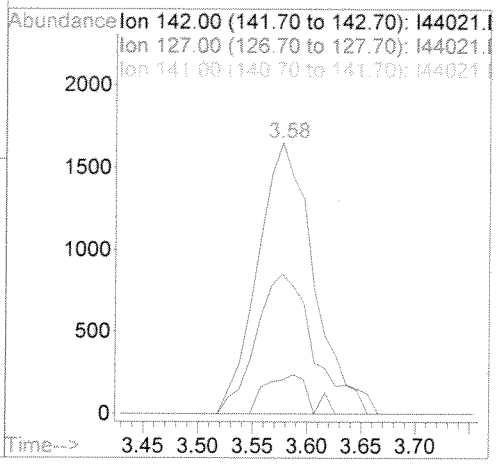
MT 9/29/10

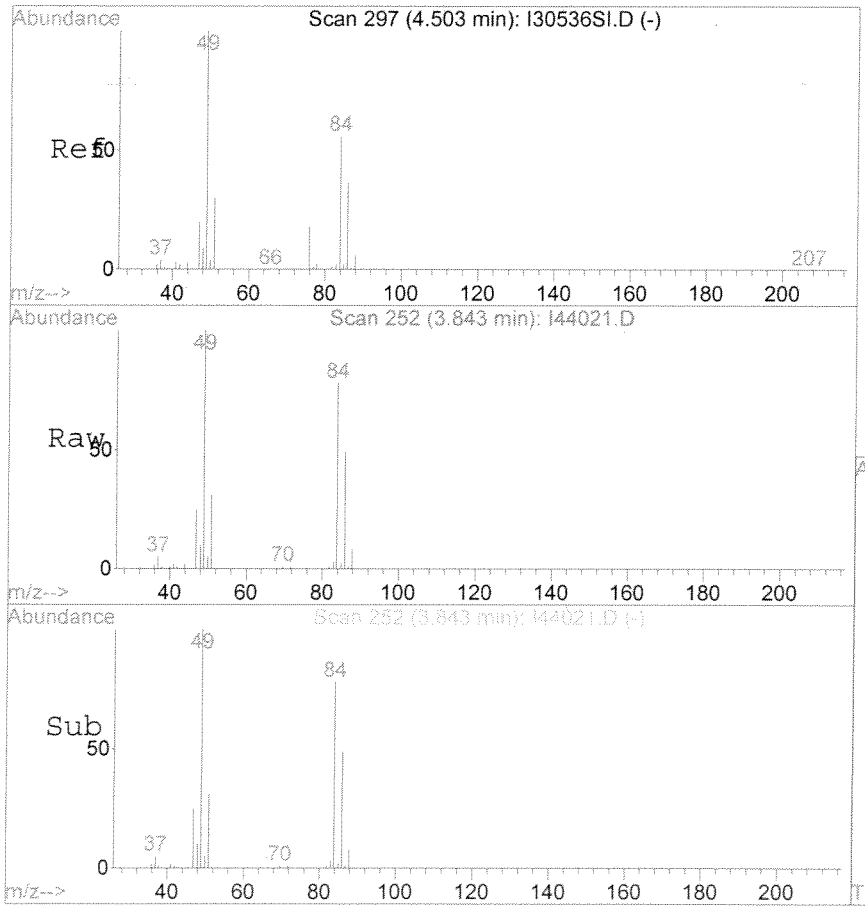


#14
Methyl iodide
Concen: 1.45 ug/L
RT: 3.58 min Scan# 225
Delta R.T. 0.02 min
Lab File: I44021.D
Acq: 28 Sep 2010 11:55 am

Tgt Ion:142 Resp: 5951

Ion	Ratio	Lower	Upper
142	100		
127	52.9	41.0	61.4
141	11.2	11.2	16.8

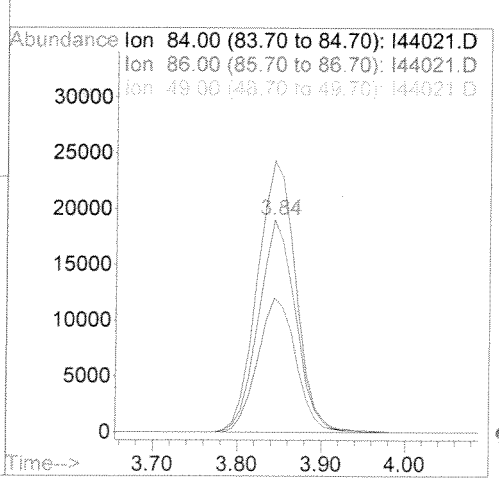




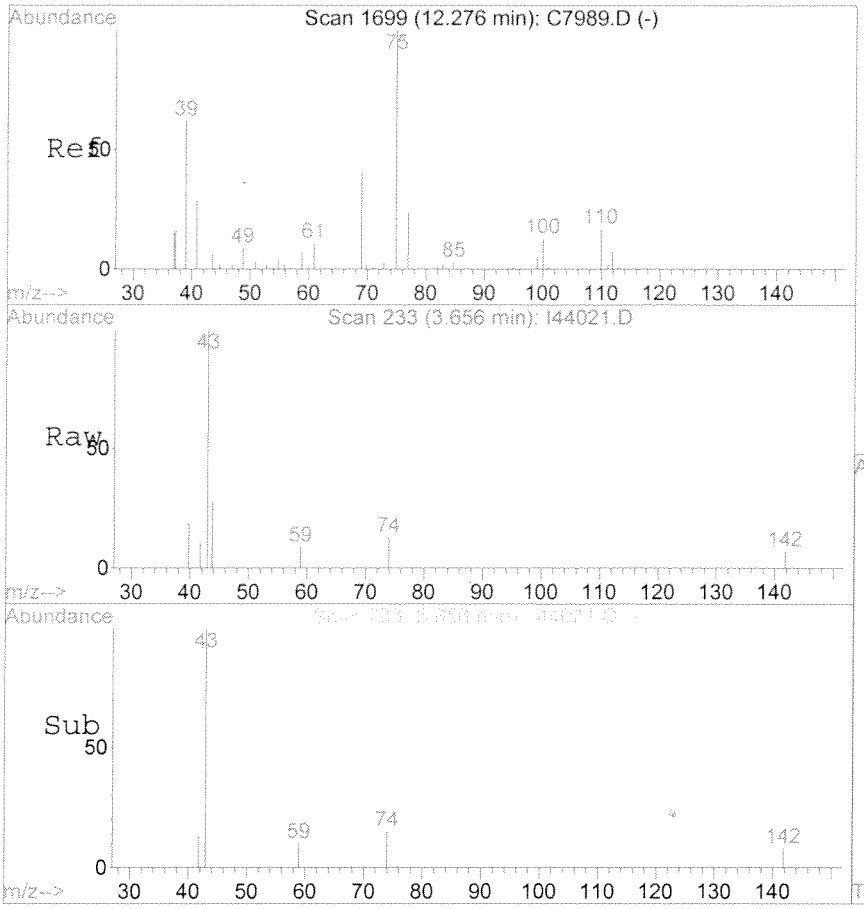
#16
Methylene Chloride
Concen: 12.14 ug/L
RT: 3.84 min Scan# 252
Delta R.T. 0.02 min
Lab File: I44021.D
Acq: 28 Sep 2010 11:55 am

Tgt Ion: 84 Resp: 58339

Ion	Ratio	Lower	Upper
84	100		
86	63.1	45.8	85.8
49	127.7	116.6	156.6



09/29/10

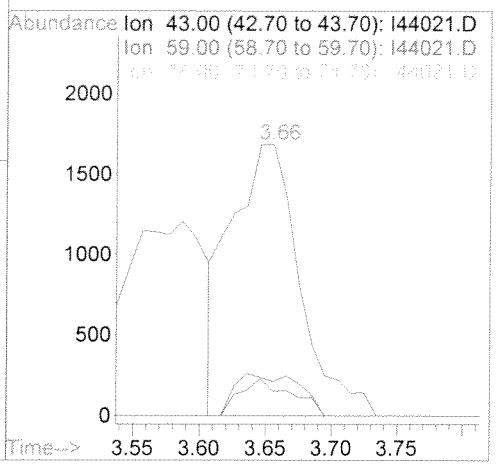


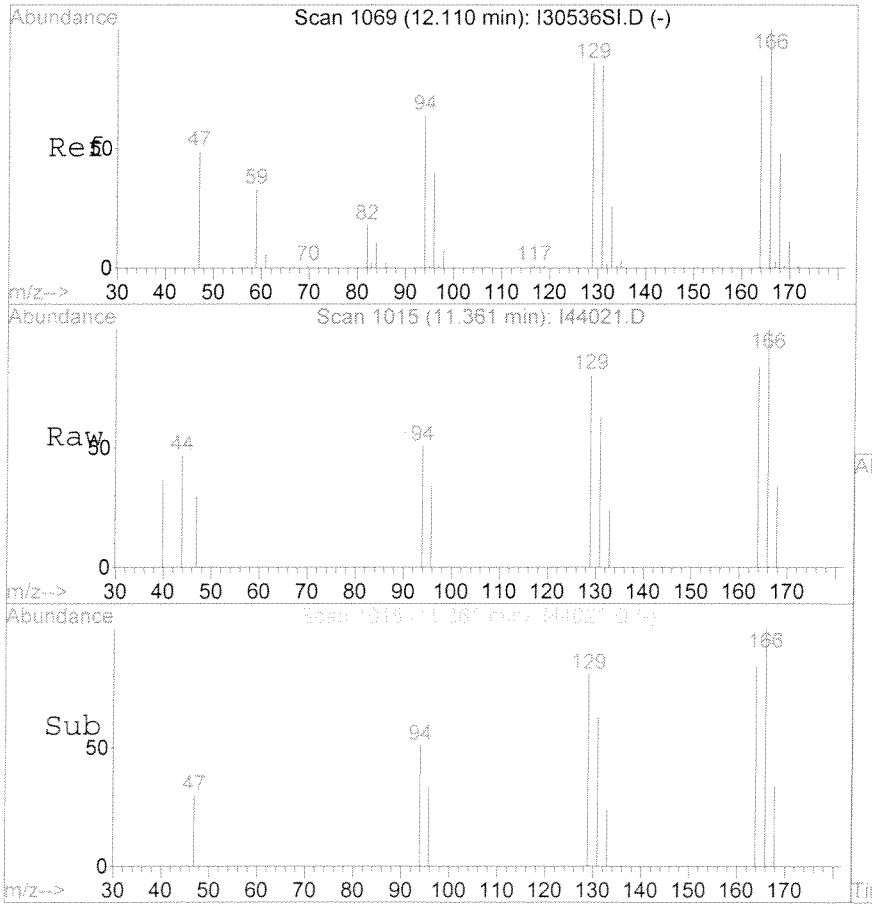
#43 MT 9/29/10
Methyl acetate
Concen: 1.93 ug/L
RT: 3.66 min Scan# 233
Delta R.T. 0.02 min
Lab File: I44021.D
Acq: 28 Sep 2010 11:55 am

Tgt Ion: 43 Resp: 6150

Ion	Ratio	Lower	Upper
43	100		
59	10.1	7.6	11.4
74	14.1	15.8	23.6#

NT





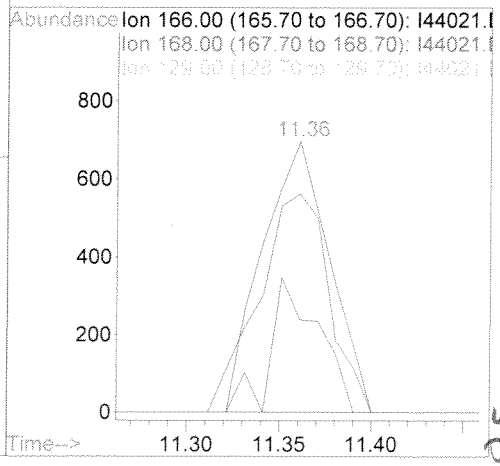
#60
Tetrachloroethene
Concen: 0.60 ug/L
RT: 11.36 min Scan# 1015
Delta R.T. 0.02 min
Lab File: I44021.D
Acq: 28 Sep 2010 11:55 am

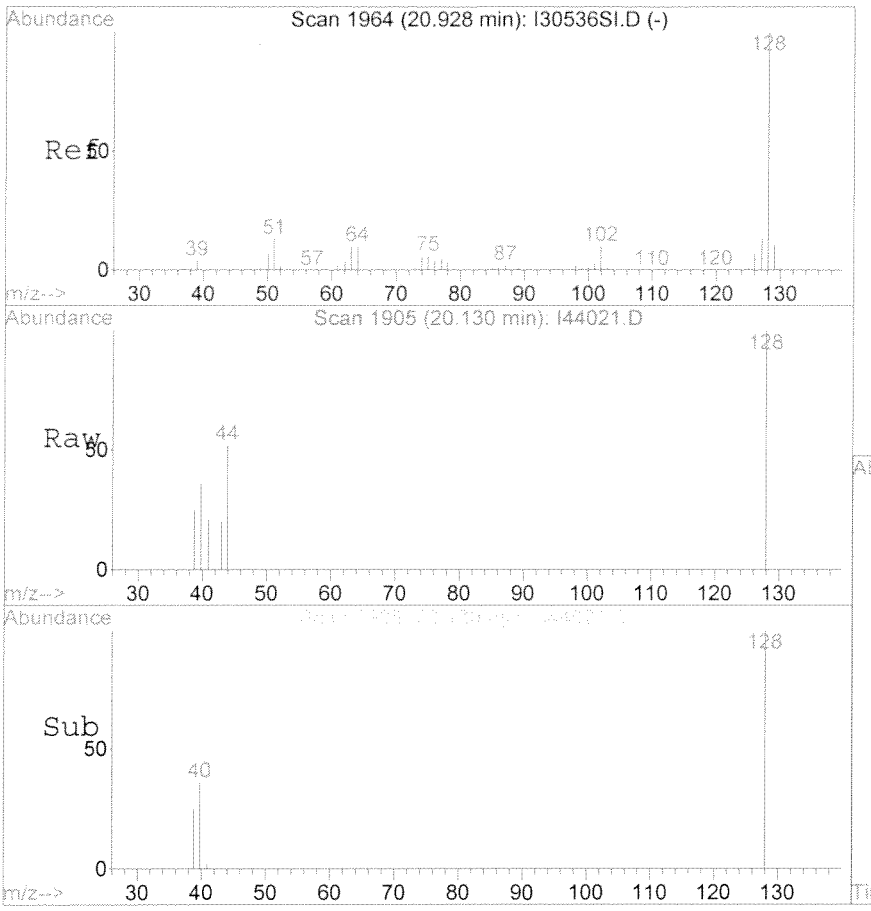
Tgt Ion:166 Resp: 1774

Ion	Ratio	Lower	Upper
166	100		
168	34.3	29.9	69.9
129	80.8	59.2	99.2

X

c)





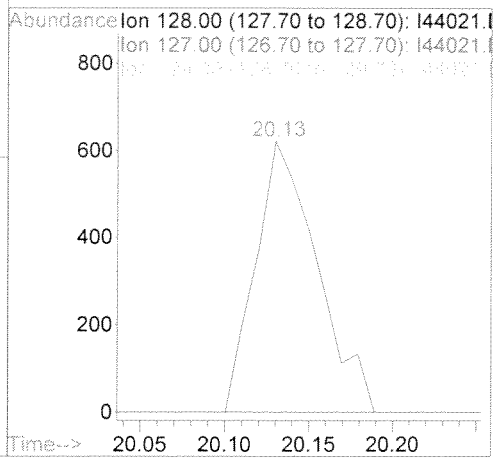
#96 MT 9/29/10
Naphthalene
Concen: 1.01 ug/L
RT: 20.13 min Scan# 1905
Delta R.T. 0.01 min
Lab File: I44021.D
Acq: 28 Sep 2010 11:55 am

Tgt Ion:128 Resp: 1574

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8

X

no



9/29/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-11
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM2-SW-03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.1	U	1,1,2-Trichloroethane	2.1	U
Chloromethane	2.1	U	1,3-Dichloropropane	2.1	U
Vinyl Chloride	2.1	U	Tetrachloroethene	2.1	U
Bromomethane	2.1	U	2-Hexanone	11	U
Chloroethane	2.1	U	Dibromochloromethane	2.1	U
Trichlorofluoromethane	2.1	U	1,2-Dibromoethane	2.1	U
1,1-Dichloroethene	2.1	U	Chlorobenzene	2.1	U
Acetone	11	**30**	1,1,1,2-Tetrachloroethane	2.1	U
Methyl iodide	2.1	U	Ethylbenzene	2.1	U
Carbon Disulfide	2.1	U	o-Xylene	2.1	U
Methylene Chloride	11	**17**	m,p-Xylene	2.1	U
trans-1,2-Dichloroethene	2.1	U	Styrene	2.1	U
Methyl-tert-butyl ether (MTBE)	2.1	U	Bromoform	2.1	U
1,1-Dichloroethane	2.1	U	Isopropylbenzene	2.1	U
Vinyl acetate	5.3	U	1,1,2,2-Tetrachloroethane	2.1	U
Methyl ethyl ketone	11	U	Bromobenzene	2.1	U
cis-1,2-Dichloroethene	2.1	U	1,2,3-Trichloropropane	2.1	U
2,2-Dichloropropane	2.1	U	n-Propylbenzene	2.1	U
Bromochloromethane	2.1	U	2-Chlorotoluene	2.1	U
Chloroform	2.1	U	1,3,5-Trimethylbenzene	2.1	U
1,1,1-Trichloroethane	2.1	U	4-Chlorotoluene	2.1	U
1,1-Dichloropropene	2.1	U	tert-butylbenzene	2.1	U
Carbon Tetrachloride	2.1	U	1,2,4-Trimethylbenzene	2.1	U
1,2-Dichloroethane	2.1	U	sec-butylbenzene	2.1	U
Benzene	2.1	U	p-isopropyltoluene	2.1	U
Trichloroethene	2.1	U	1,3-Dichlorobenzene	2.1	U
1,2-Dichloropropane	2.1	U	1,4-Dichlorobenzene	2.1	U
Dibromomethane	2.1	U	n-butylbenzene	2.1	U
Bromodichloromethane	2.1	U	1,2-Dichlorobenzene	2.1	U
cis-1,3-Dichloropropene	2.1	U	1,2-Dibromo-3-chloropropane	2.1	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.1	U
Toluene	2.1	U	Hexachlorobutadiene	2.1	U
trans-1,3-Dichloropropene	2.1	U	Naphthalene	2.1	U
			1,2,3-Trichlorobenzene	2.1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	103 %	d8-Toluene	100 %	Bromofluorobenzen	101 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44022.D
Acq On : 28 Sep 2010 12:23 pm
Sample : 67834-11
Misc : ,4.86,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 14:06 2010

Vial: 11
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5)/(4.86g)(.9644) = 1.1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	112147	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	7.95	114	211208 ✓	20.00	ug/L	0.02
63) *d5-Chlorobenzene	12.58	117	178273	20.00	ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.39	152	76317	20.00	ug/L	0.01

System Monitoring Compounds						
28) DB HOLDER #28	7.31	65	99043	20.67	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.35% ✓			
36) d4-1,2-Dichloroethane	7.31	65	99043	20.67	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.35% ✓			
54) d8-Toluene	10.25	98	226515	19.95	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.75% ✓			
73) Bromofluorobenzene	14.51	95	91806	20.17	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.85% ✓			

Target Compounds						Qvalue
~~3)~~ Chloromethane	1.70	50	1729	~~0.51~~	ug/L	86
~~5)~~ Bromomethane	2.18	94	2385 Set Man Int	~~1.02~~	ug/L	98
12) Acetone	3.05	43	36477 ✓	27.86	ug/L	99
LJ ~~14)~~ Methyl iodide	3.58	142	4127 B/J	1.00	ug/L #	92
16) Methylene Chloride	3.86	84	70471 ✓	15.87	ug/L	97
MT 43) Methyl acetate	3.66	43	6448 MT	1.99	ug/L #	90
~~60)~~ Tetrachloroethene	11.36	166	2017 <J	~~0.67~~	ug/L	93
~~96)~~ Naphthalene	20.13	128	1169 MJ	~~0.95~~	ug/L	79

D 42910

(#) = qualifier out of range (m) = manual integration
I44022.D VS09270I.M Tue Sep 28 14:06:25 2010 Page 1

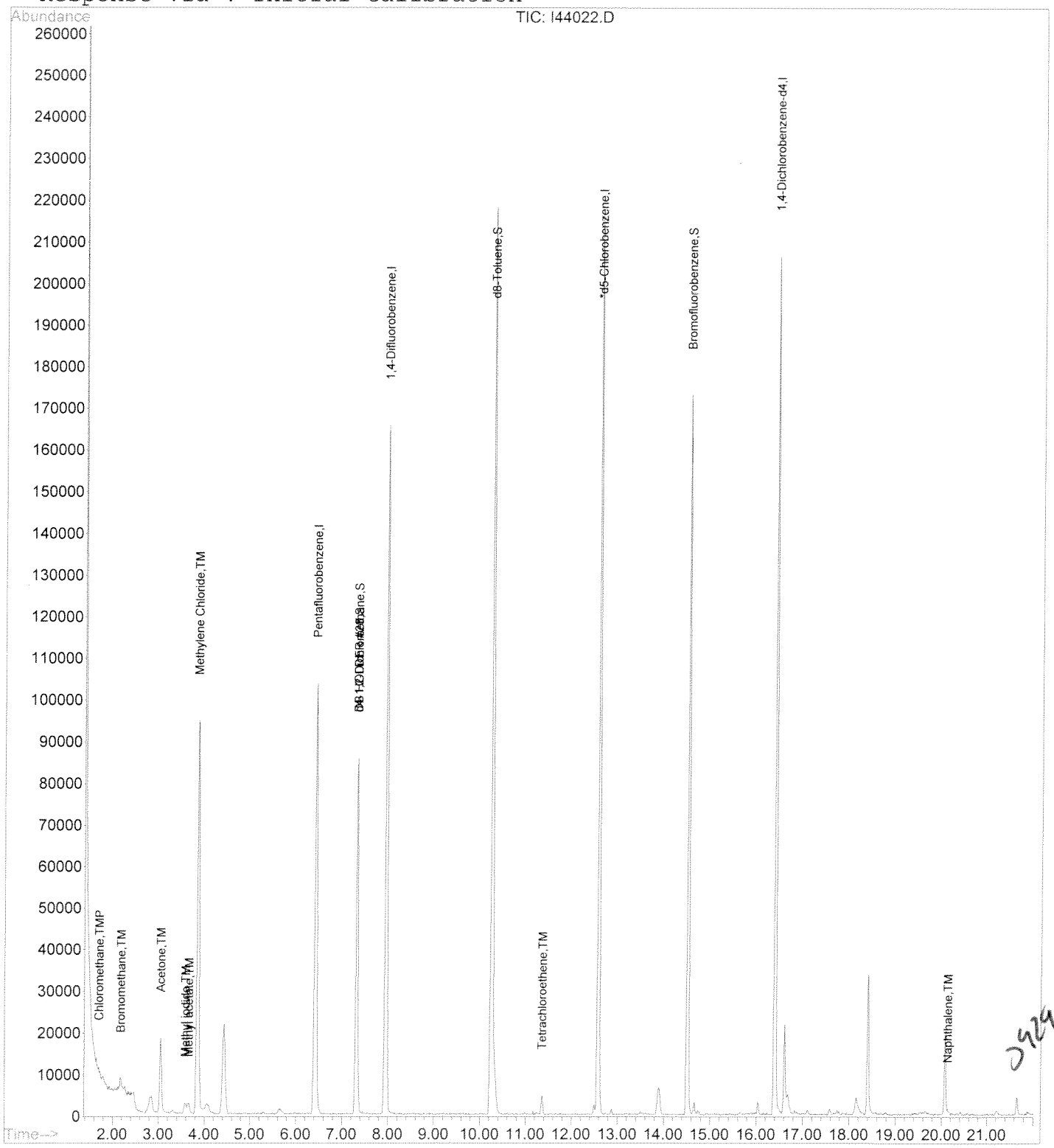
Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44022.D
Acq On : 28 Sep 2010 12:23 pm
Sample : 67834-11
Misc : ,4.86,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 14:06 2010

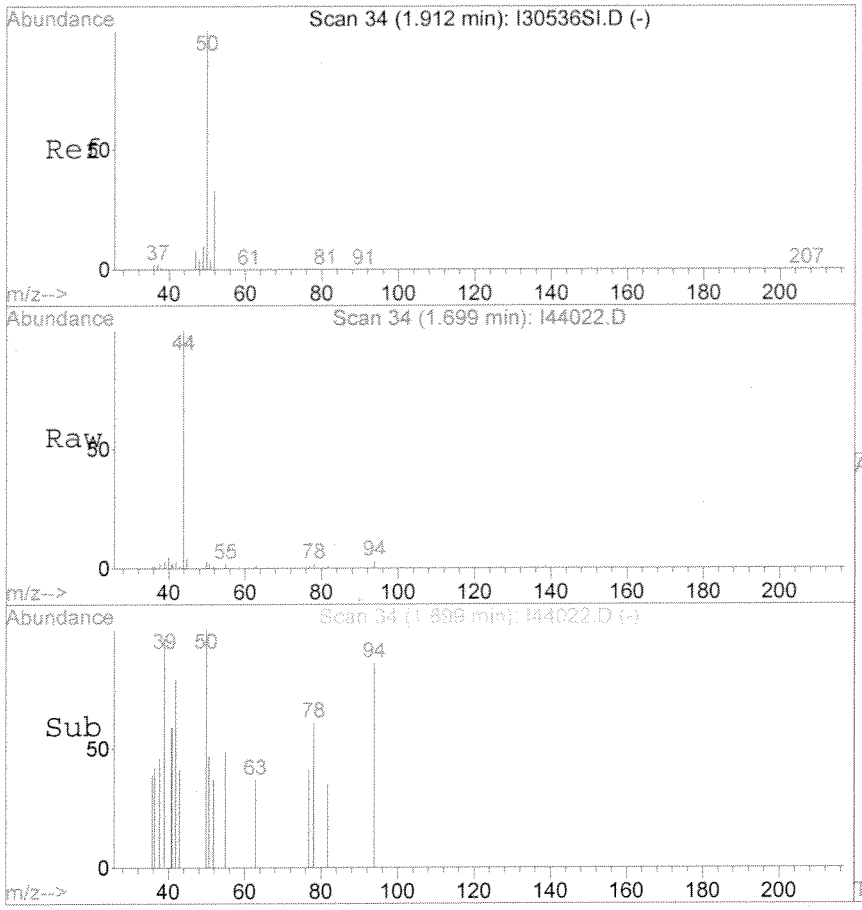
Vial: 11
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



D929/10

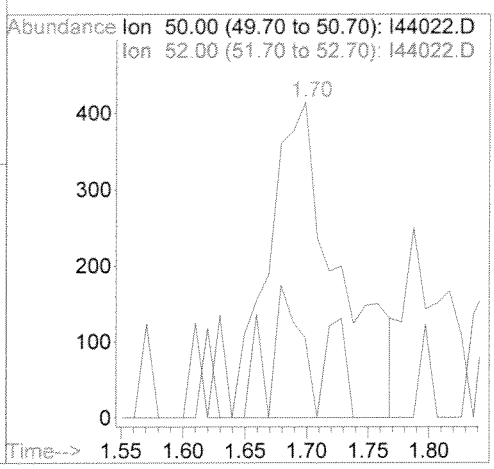


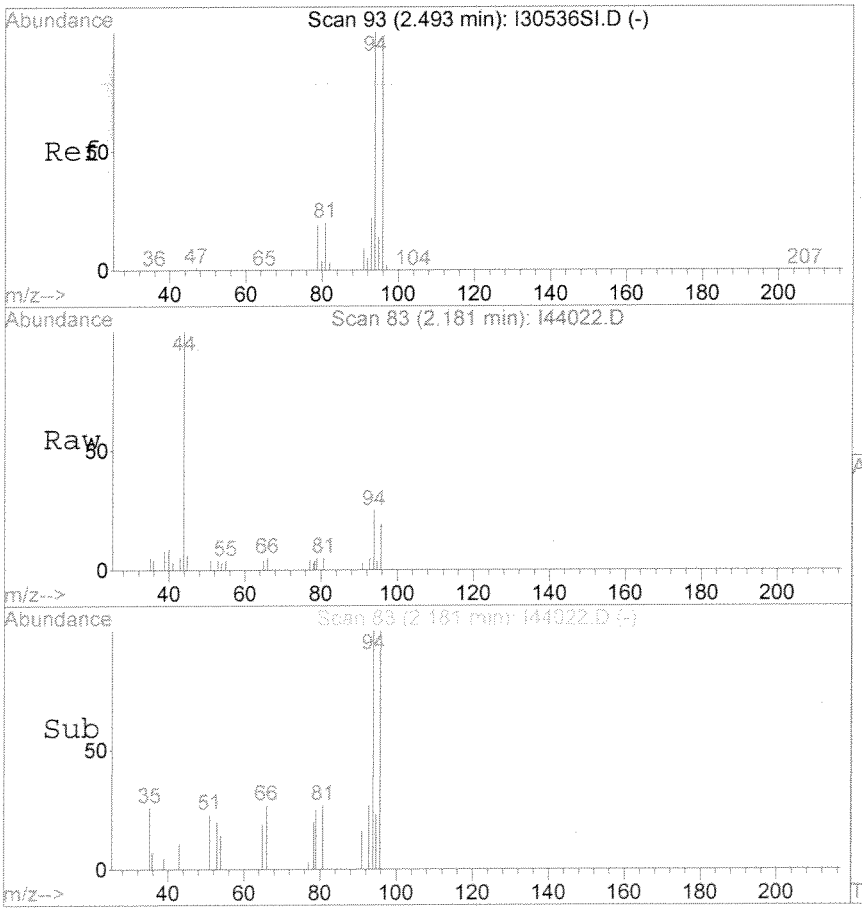
NT 9/29/10

#3
Chloromethane
Concen: 0.51 ug/L
RT: 1.70 min Scan# 34
Delta R.T. 0.02 min
Lab File: I44022.D
Acq: 28 Sep 2010 12:23 pm

Tgt Ion: 50 Resp: 1729

Ion	Ratio	Lower	Upper
50	100		
52	25.3	13.4	53.4

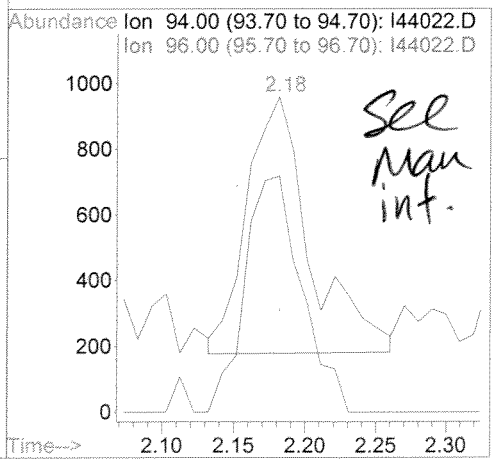




#5
Bromomethane
Concen: ~~1.02 ug/~~L
RT: 2.18 min Scan# 83
Delta R.T. 0.02 min
Lab File: I44022.D
Acq: 28 Sep 2010 12:23 pm

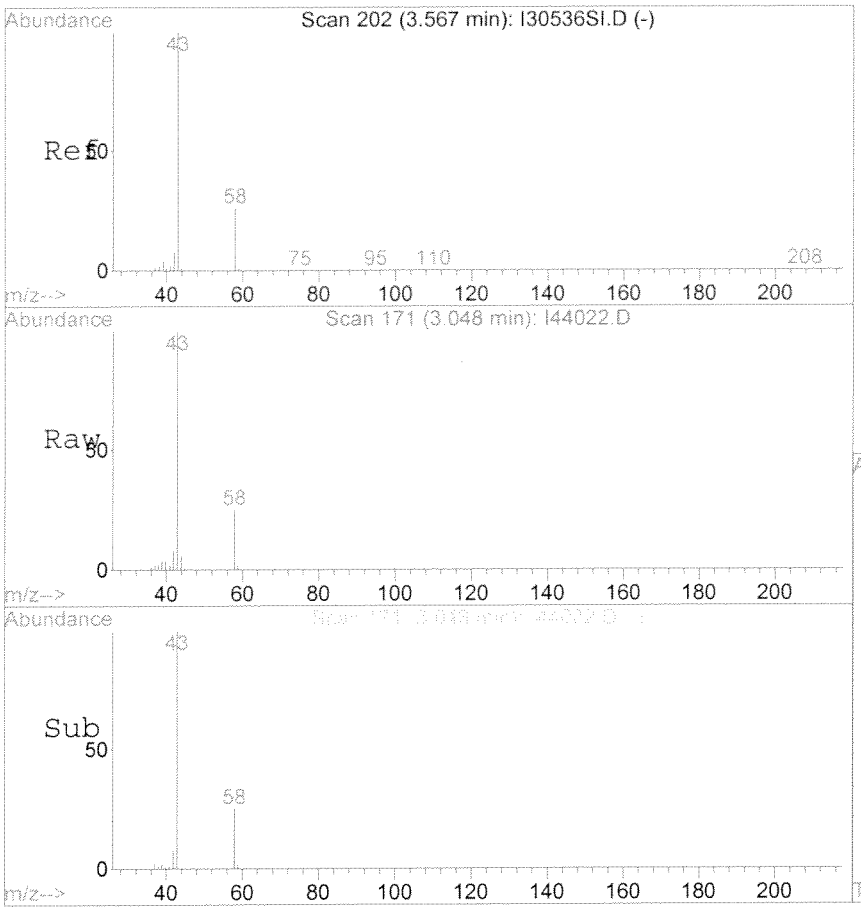
Tgt Ion: 94 Resp: 2385

Ion	Ratio	Lower	Upper
94	100		
96	97.7	76.0	116.0



See Man int.

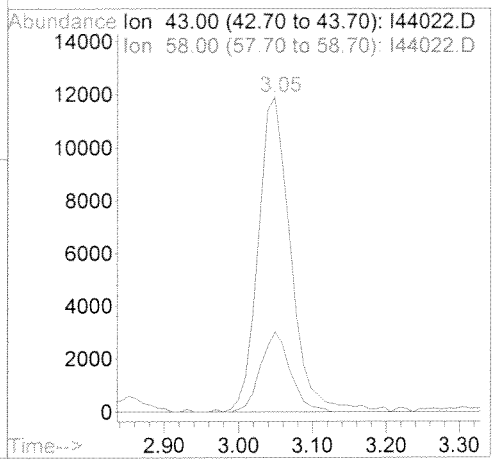
5/29/10

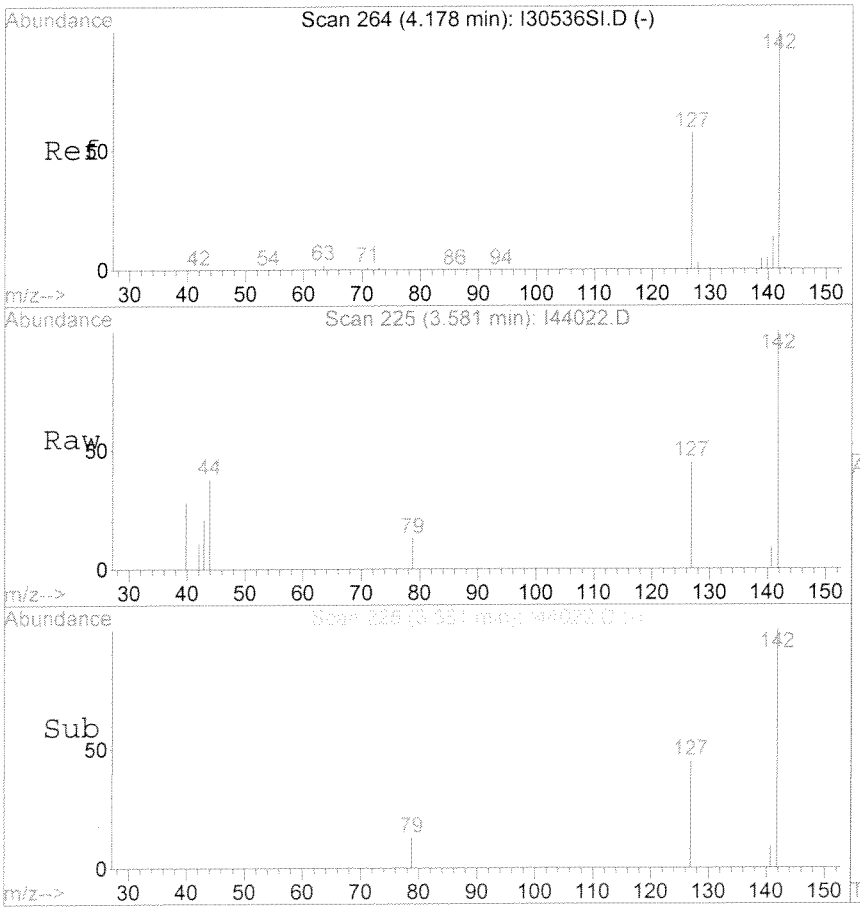


#12 MT 9/29/10
Acetone
Concen: 27.86 ug/L
RT: 3.05 min Scan# 171
Delta R.T. 0.02 min
Lab File: I44022.D
Acq: 28 Sep 2010 12:23 pm

Tgt Ion: 43 Resp: 36477

Ion	Ratio	Lower	Upper
43	100		
58	23.2	18.3	27.5

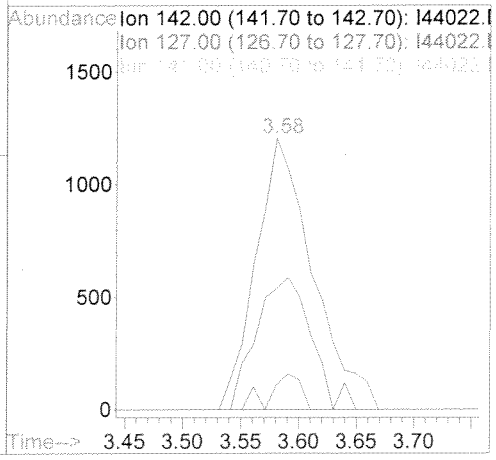




#14
Methyl iodide
Concen: 1.00 ug/L
RT: 3.58 min Scan# 225
Delta R.T. 0.02 min
Lab File: I44022.D
Acq: 28 Sep 2010 12:23 pm

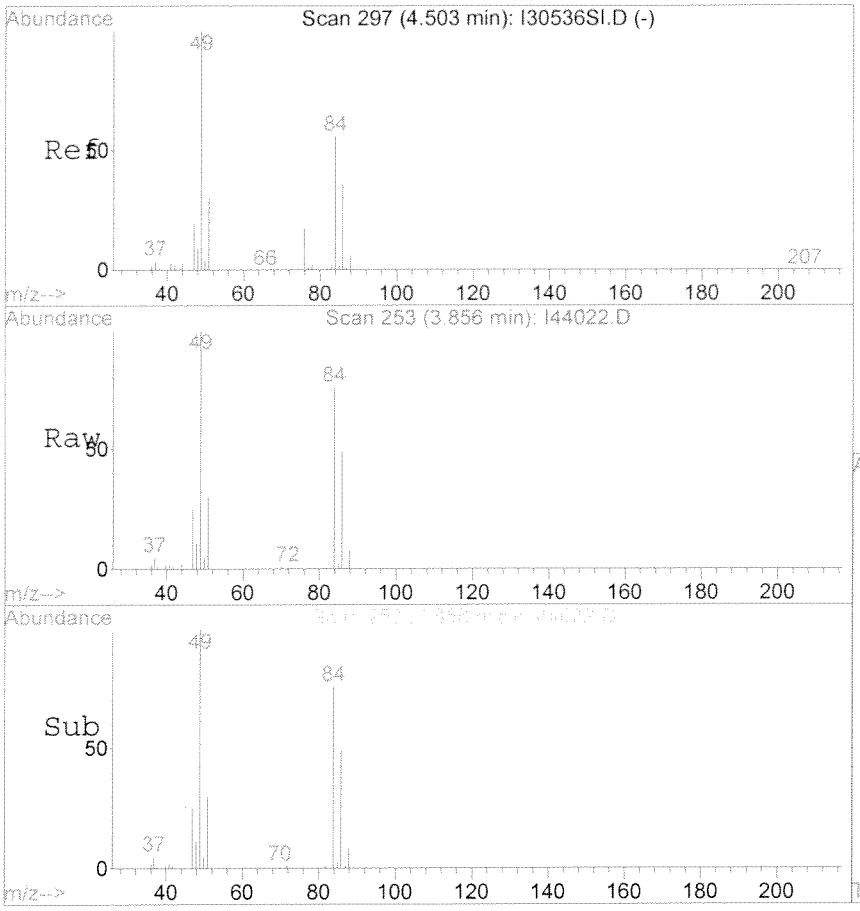
Tgt Ion:142 Resp: 4127

Ion	Ratio	Lower	Upper
142	100		
127	47.1	41.0	61.4
141	7.2	11.2	16.8#



9/29/10

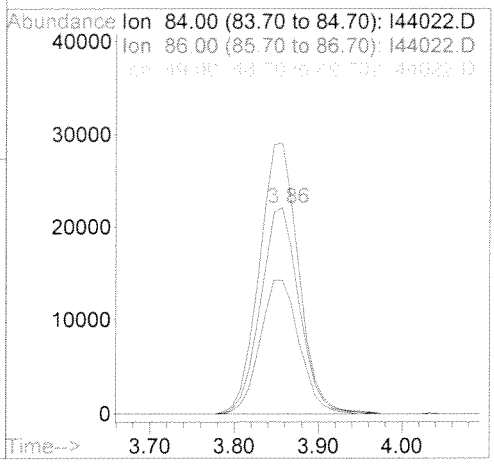
MT 9/29/10

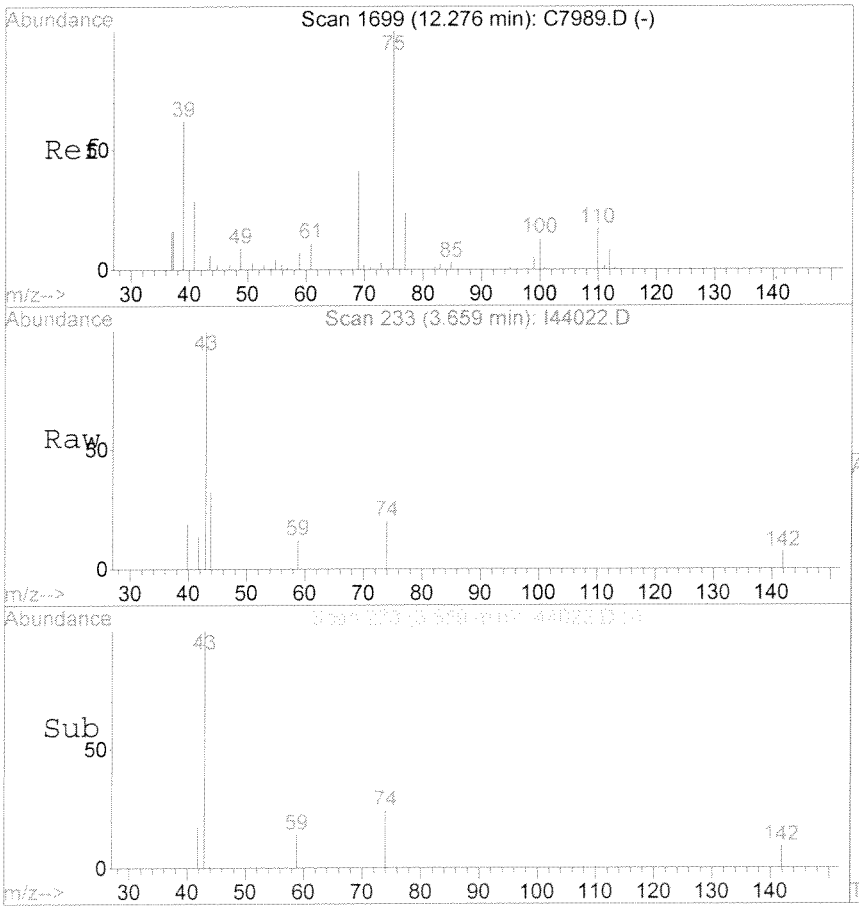


#16
Methylene Chloride
Concen: 15.87 ug/L
RT: 3.86 min Scan# 253
Delta R.T. 0.03 min
Lab File: I44022.D
Acq: 28 Sep 2010 12:23 pm

Tgt Ion: 84 Resp: 70471

Ion	Ratio	Lower	Upper
84	100		
86	64.7	45.8	85.8
49	131.9	116.6	156.6



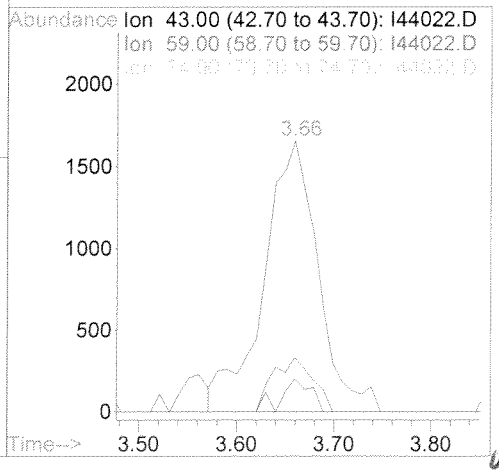


#43
Methyl acetate
Concen: 1.99 ug/L
RT: 3.66 min Scan# 233
Delta R.T. 0.02 min
Lab File: I44022.D
Acq: 28 Sep 2010 12:23 pm

Tgt Ion: 43 Resp: 6448

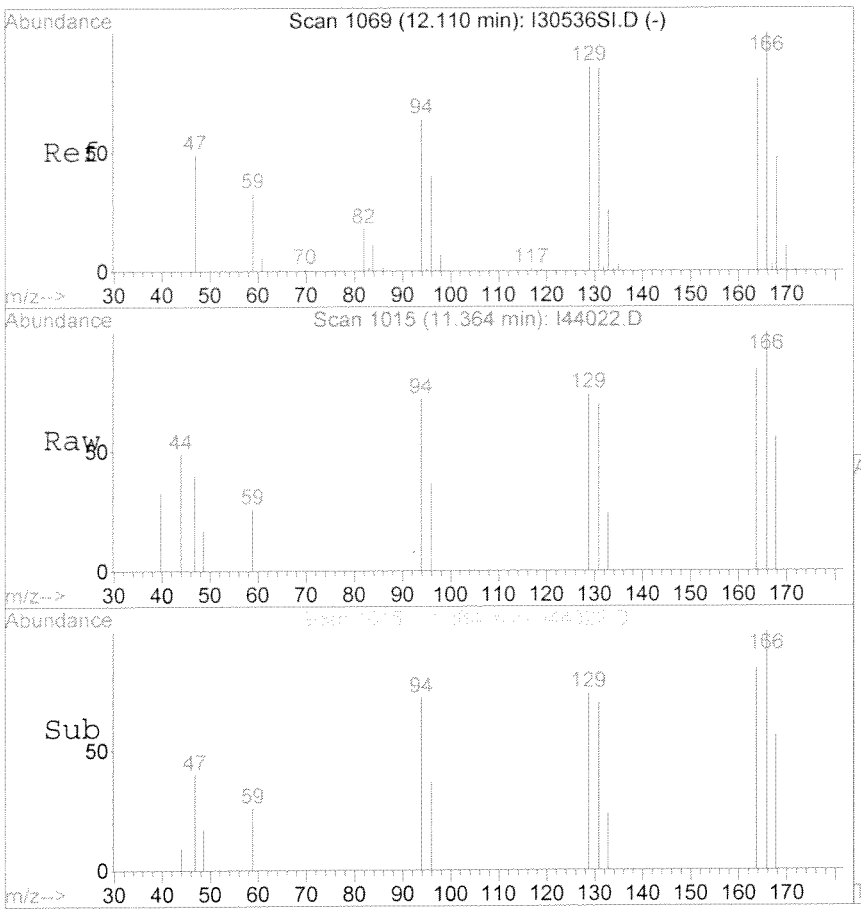
Ion	Ratio	Lower	Upper
43	100		
59	6.7	7.6	11.4#
74	14.7	15.8	23.6#

MT



09/29/10

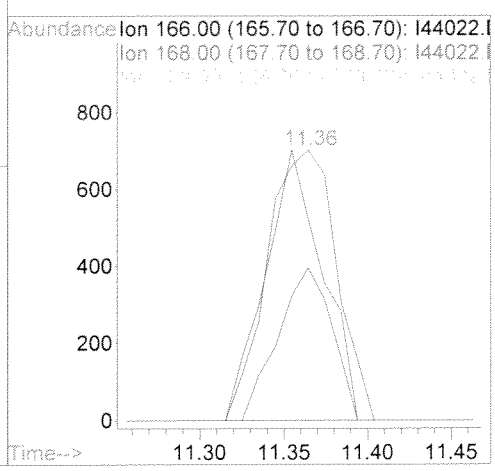
MT 9/29/10

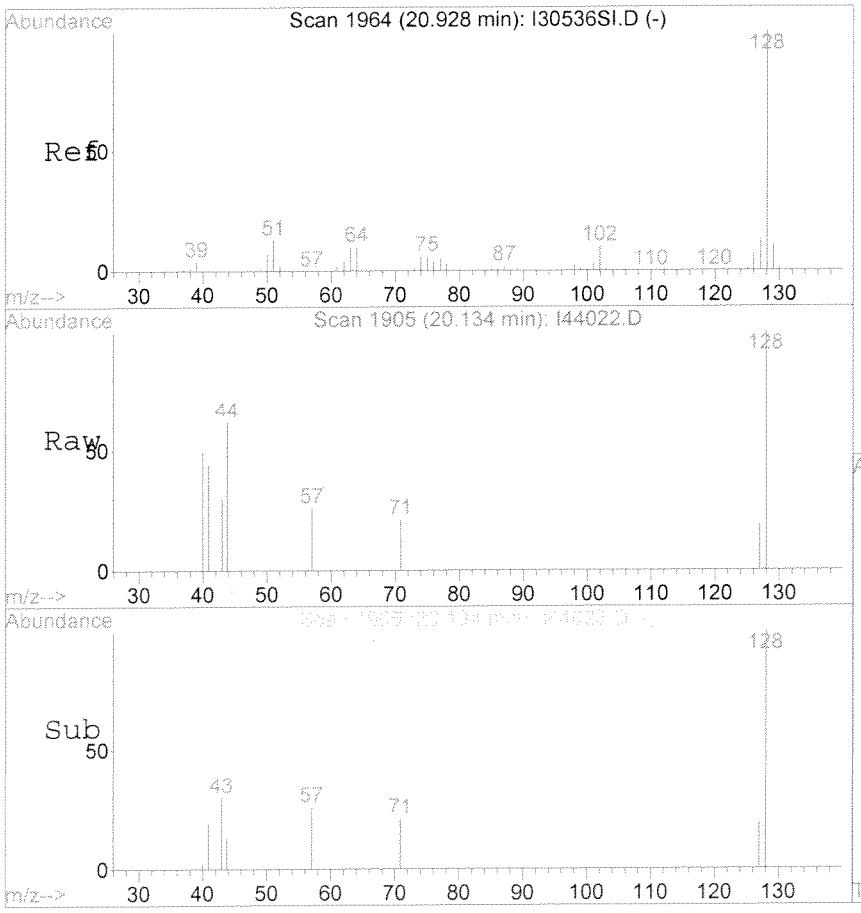


#60
Tetrachloroethene
Concen: 0.67 ug/L
RT: 11.36 min Scan# 1015
Delta R.T. 0.02 min
Lab File: I44022.D
Acq: 28 Sep 2010 12:23 pm

Tgt Ion:166 Resp: 2017

Ion	Ratio	Lower	Upper
166	100		
168	56.3	29.9	69.9
129	74.2	59.2	99.2

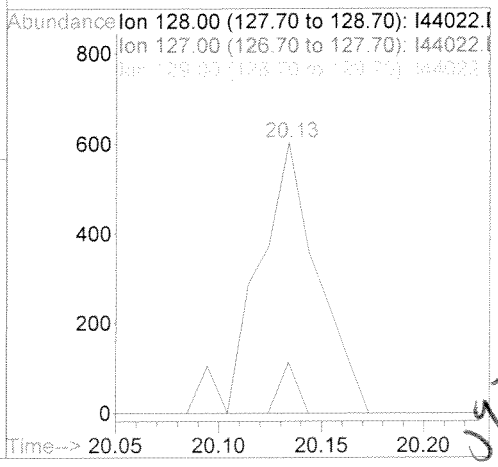




#96
Naphthalene
Concen: 0.95 ug/L
RT: 20.13 min Scan# 1905
Delta R.T. 0.01 min
Lab File: I44022.D
Acq: 28 Sep 2010 12:23 pm

Tgt Ion:128 Resp: 1169

Ion	Ratio	Lower	Upper
128	100		
127	18.7	0.0	33.5
129	0.0	0.0	31.8

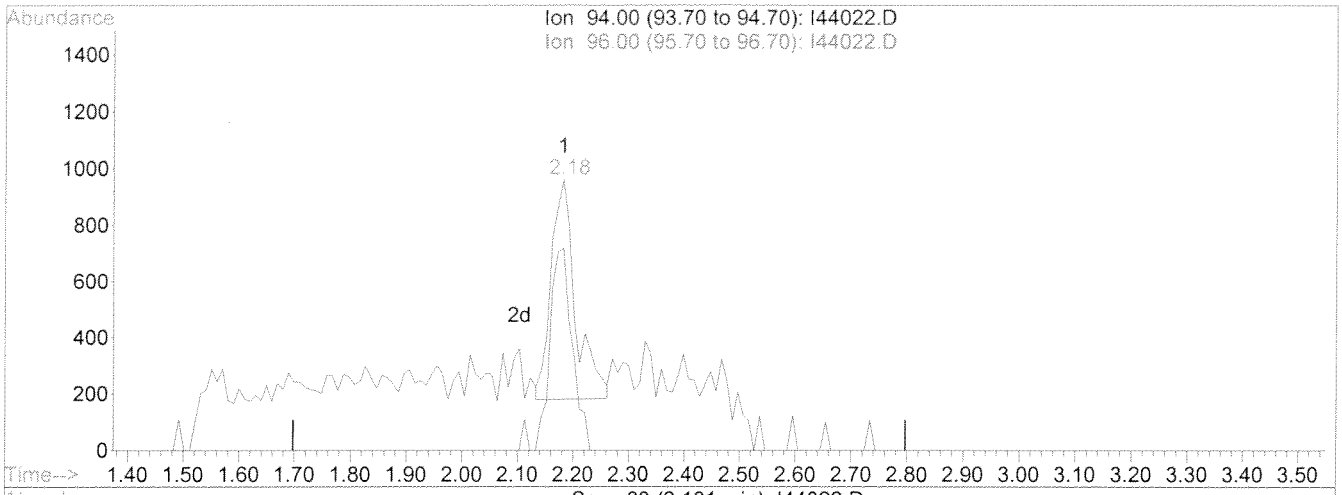


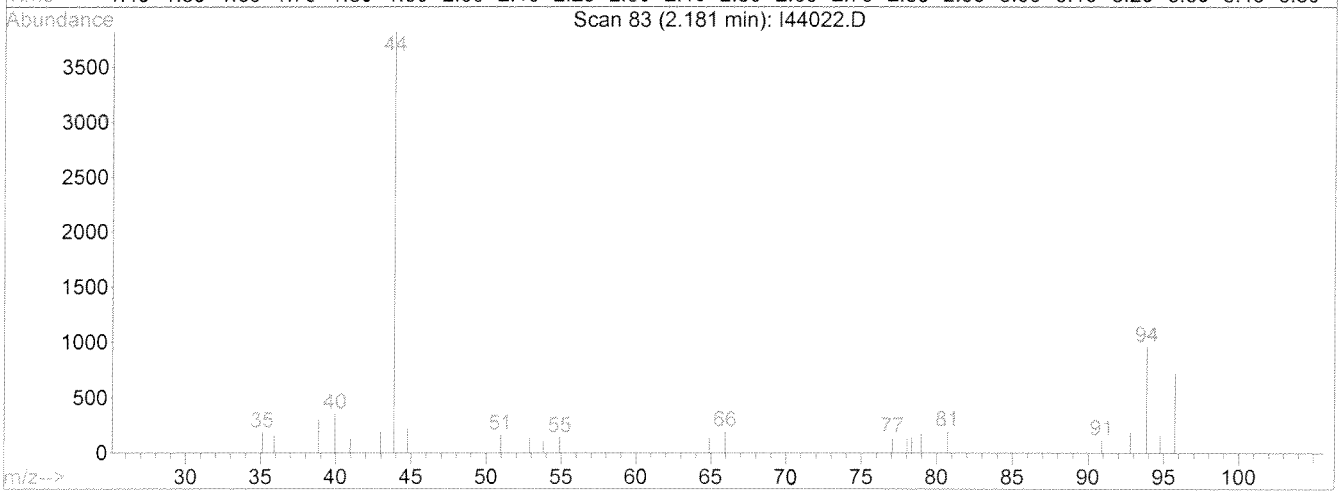
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\092810-I\I44022.D Vial: 11
Acq On : 28 Sep 2010 12:23 pm Operator: MT
Sample : 67834-11 Inst : Instrumen
Misc : ,4.86,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:06 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10
ea.





TIC: I44022.D

(5) Bromomethane (TM)

2.18min 1.02ug/L

response 2385

Ion	Exp%	Act%
94.00	100	100
96.00	96.00	97.69
0.00	0.00	0.00
0.00	0.00	0.00

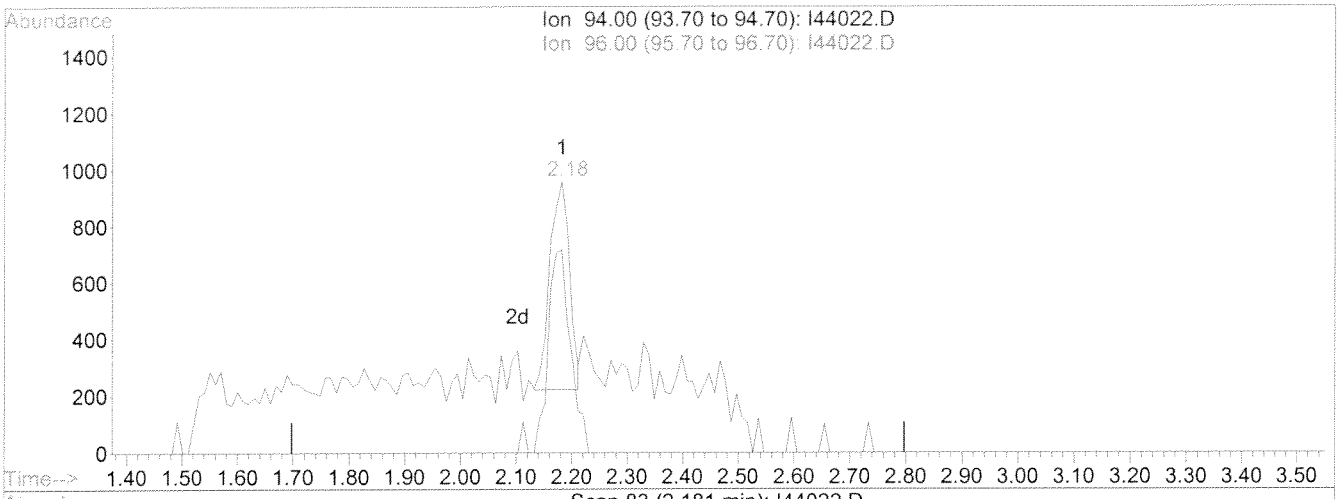
092910

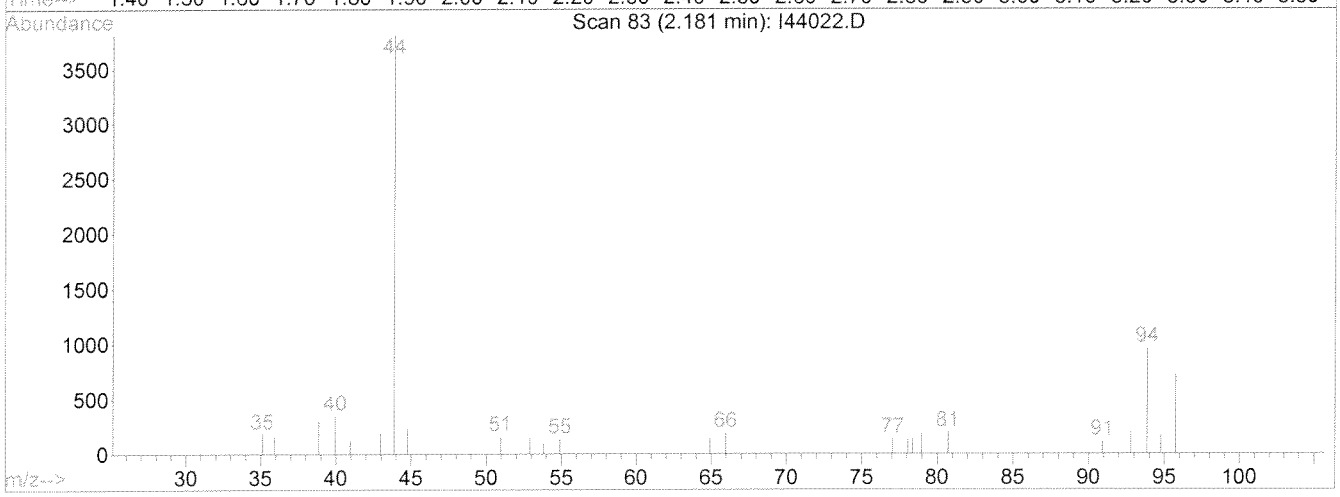
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\092810-I\I44022.D Vial: 11
Acq On : 28 Sep 2010 12:23 pm Operator: MT
Sample : 67834-11 Inst : Instrumen
Misc : ,4.86,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 7:59 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10





TIC: I44022.D

(5) Bromomethane (TM)

2.18min 0.78ug/L m

response 1817

Ion	Exp%	Act%
94.00	100	100
96.00	96.00	74.79#
0.00	0.00	0.00
0.00	0.00	0.00

9/29/10

I44022.D VS09270I.M Wed Sep 29 07:59:16 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-12
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM2-SW-04

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.2	U	1,1,2-Trichloroethane	2.2	U
Chloromethane	2.2	U	1,3-Dichloropropane	2.2	U
Vinyl Chloride	2.2	U	Tetrachloroethene	2.2	U
Bromomethane	2.2	U	2-Hexanone	11	U
Chloroethane	2.2	U	Dibromochloromethane	2.2	U
Trichlorofluoromethane	2.2	U	1,2-Dibromoethane	2.2	U
1,1-Dichloroethene	2.2	U	Chlorobenzene	2.2	U
Acetone	11	**29**	1,1,1,2-Tetrachloroethane	2.2	U
Methyl iodide	2.2	U	Ethylbenzene	2.2	U
Carbon Disulfide	2.2	U	o-Xylene	2.2	U
Methylene Chloride	11	**16**	m,p-Xylene	2.2	U
trans-1,2-Dichloroethene	2.2	U	Styrene	2.2	U
Methyl-tert-butyl ether (MTBE)	2.2	U	Bromoform	2.2	U
1,1-Dichloroethane	2.2	U	Isopropylbenzene	2.2	U
Vinyl acetate	5.6	U	1,1,2,2-Tetrachloroethane	2.2	U
Methyl ethyl ketone	11	U	Bromobenzene	2.2	U
cis-1,2-Dichloroethene	2.2	U	1,2,3-Trichloropropane	2.2	U
2,2-Dichloropropane	2.2	U	n-Propylbenzene	2.2	U
Bromochloromethane	2.2	U	2-Chlorotoluene	2.2	U
Chloroform	2.2	U	1,3,5-Trimethylbenzene	2.2	U
1,1,1-Trichloroethane	2.2	U	4-Chlorotoluene	2.2	U
1,1-Dichloropropene	2.2	U	tert-butylbenzene	2.2	U
Carbon Tetrachloride	2.2	U	1,2,4-Trimethylbenzene	2.2	U
1,2-Dichloroethane	2.2	U	sec-butylbenzene	2.2	U
Benzene	2.2	U	p-isopropyltoluene	2.2	U
Trichloroethene	2.2	U	1,3-Dichlorobenzene	2.2	U
1,2-Dichloropropane	2.2	U	1,4-Dichlorobenzene	2.2	U
Dibromomethane	2.2	U	n-butylbenzene	2.2	U
Bromodichloromethane	2.2	U	1,2-Dichlorobenzene	2.2	U
cis-1,3-Dichloropropene	2.2	U	1,2-Dibromo-3-chloropropane	2.2	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.2	U
Toluene	2.2	U	Hexachlorobutadiene	2.2	U
trans-1,3-Dichloropropene	2.2	U	Naphthalene	2.2	U
			1,2,3-Trichlorobenzene	2.2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	106	%	d8-Toluene	101	%	Bromofluorobenzen	103	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44023.D Vial: 12
Acq On : 28 Sep 2010 12:51 pm Operator: MT
Sample : 67834-12 Inst : Instrumen
Misc : ,4.73,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:06 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5)/(4.73g)(.9478) = 1.1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	111146	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	7.95	114	207073	20.00	ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	175352 ✓	20.00	ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.39	152	75413	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.31	65	100577	21.18	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =		105.90% ✓	
36) d4-1,2-Dichloroethane	7.31	65	100577	21.18	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =		105.90% ✓	
54) d8-Toluene	10.24	98	224809	20.20	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =		101.00% ✓	
73) Bromofluorobenzene	14.51	95	91945	20.53	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =		102.65% ✓	

Target Compounds						Qvalue
~~5)~~ Bromomethane	2.17	94	2382	See man. Int. ~~1.03~~	ug/L	99
12) Acetone	3.05	43	34199	✓ 26.35	ug/L	99
~~14)~~ Methyl iodide	3.58	142	3439	~~0.84~~	ug/L	91
16) Methylene Chloride	3.85	84	64054	✓ 14.04	ug/L	99
~~60)~~ Tetrachloroethene	11.36	166	1652	~~0.56~~	ug/L	93
~~96)~~ Naphthalene	20.14	128	936	~~0.92~~	ug/L	68

J 9/29/10

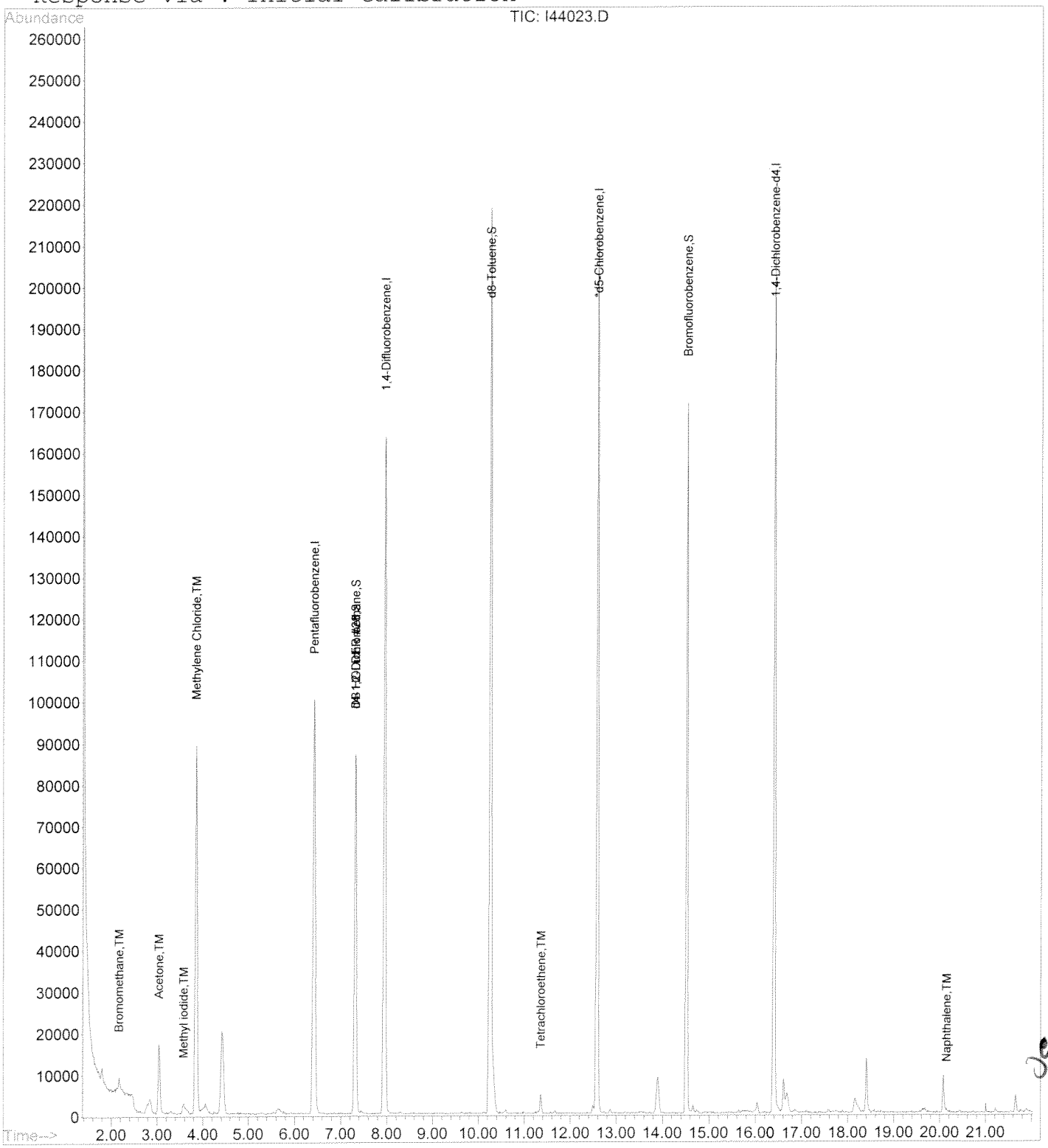
(#) = qualifier out of range (m) = manual integration
I44023.D VS09270I.M Tue Sep 28 14:06:31 2010 Page 1

Quantitation Report

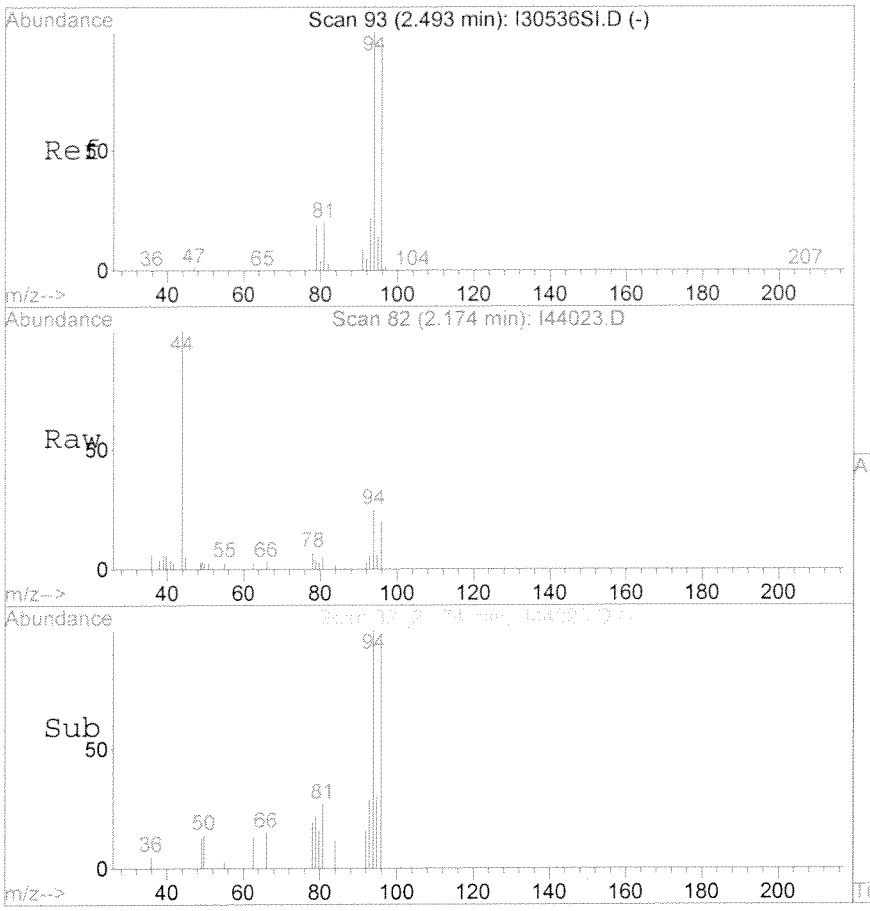
Data File : C:\HPCHEM\1\DATA\092810-I\I44023.D Vial: 12
Acq On : 28 Sep 2010 12:51 pm Operator: MT
Sample : 67834-12 Inst : Instrumen
Misc : ,4.73,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:06 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



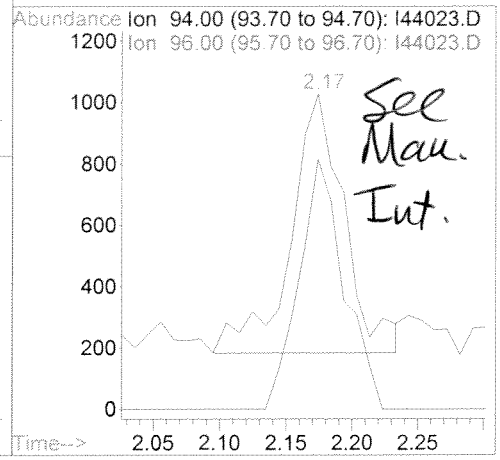
J9290

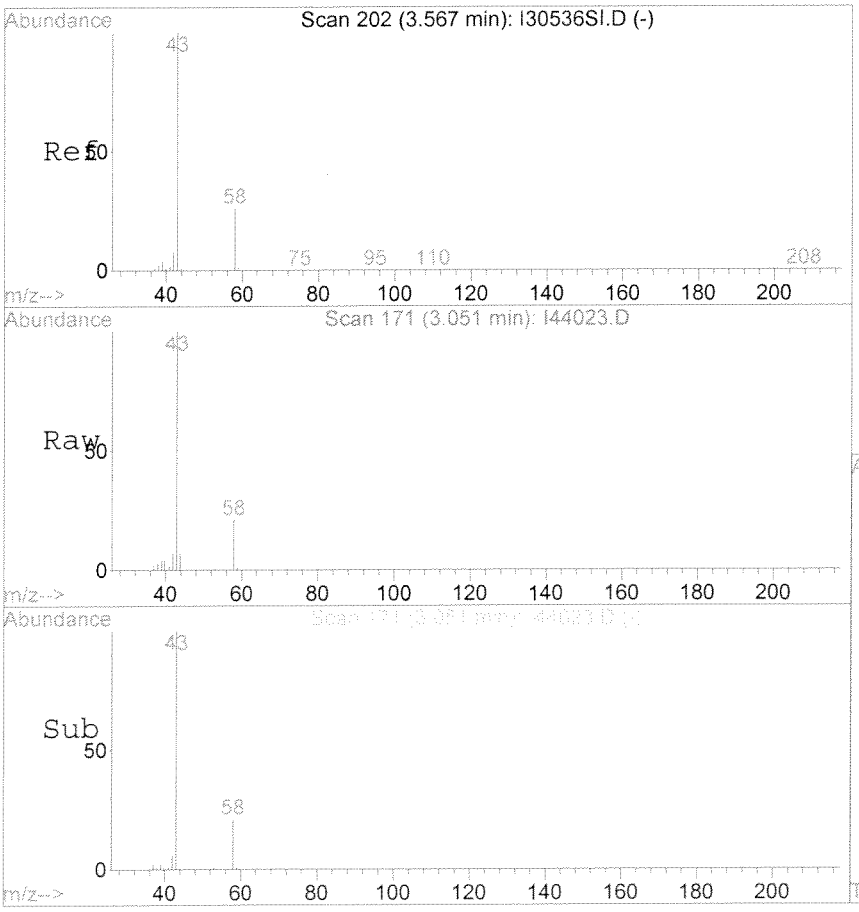


#5 MT 9/29/10
Bromomethane
Concen: ~~1.03 ug~~/L
RT: 2.17 min Scan# 82
Delta R.T. 0.02 min
Lab File: I44023.D
Acq: 28 Sep 2010 12:51 pm

Tgt Ion: 94 Resp: 2382

Ion	Ratio	Lower	Upper
94	100		
96	96.7	76.0	116.0

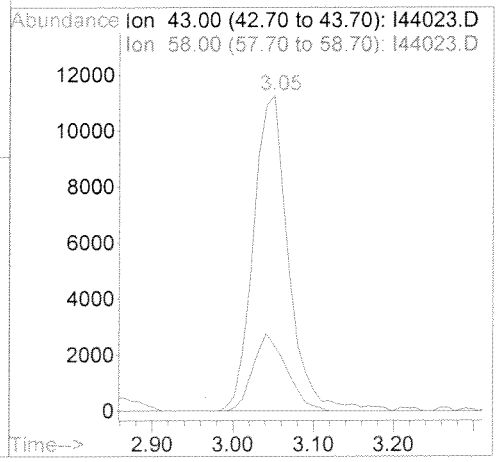


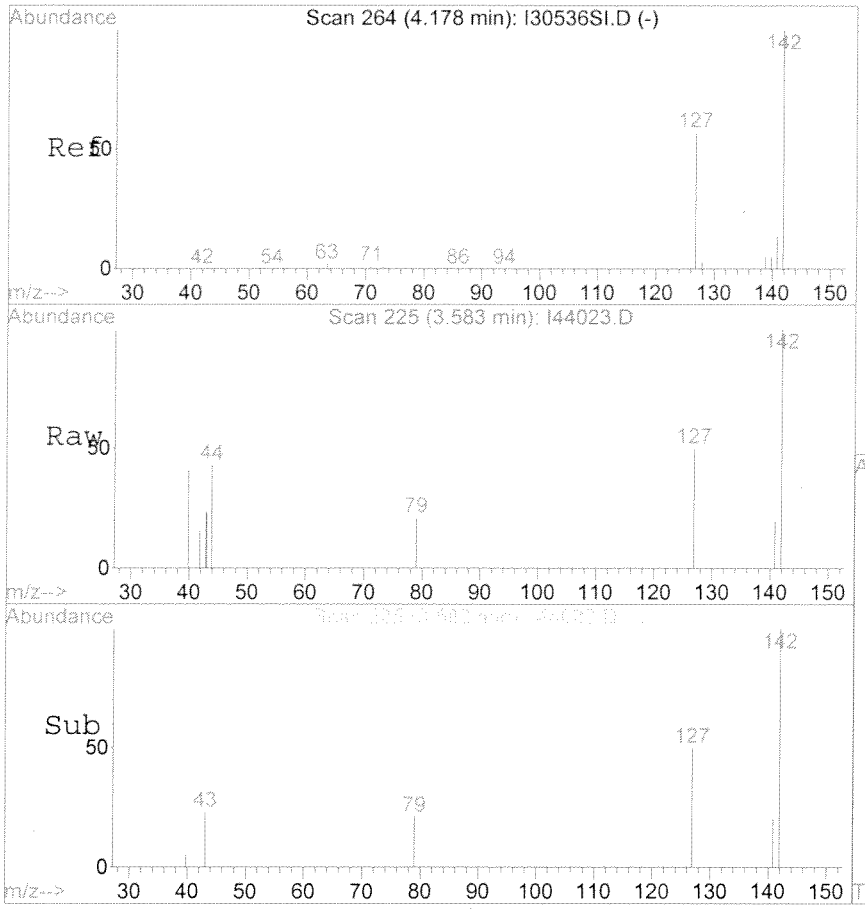


#12
Acetone
Concen: 26.35 ug/L
RT: 3.05 min Scan# 171
Delta R.T. 0.03 min
Lab File: I44023.D
Acq: 28 Sep 2010 12:51 pm

Tgt Ion: 43 Resp: 34199

Ion	Ratio	Lower	Upper
43	100		
58	23.4	18.3	27.5

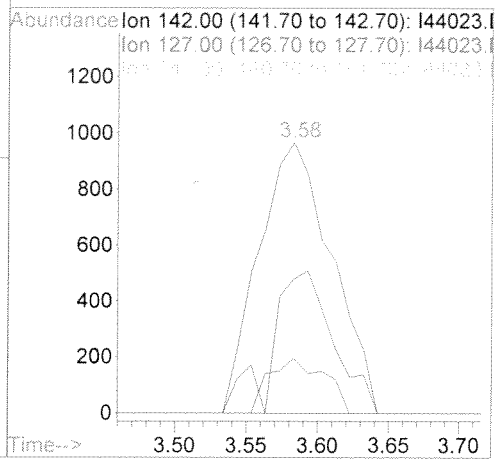


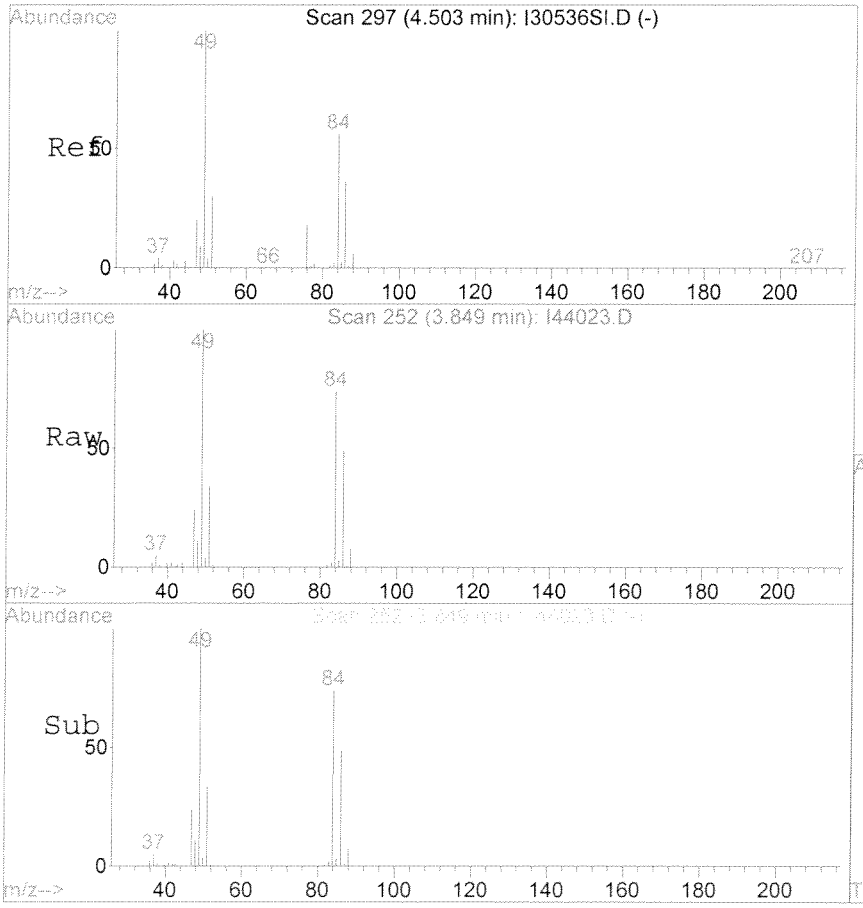


#14 MT 9/29/10
Methyl iodide
Concen: 0.84 ug/L
RT: 3.58 min Scan# 225
Delta R.T. 0.03 min
Lab File: I44023.D
Acq: 28 Sep 2010 12:51 pm

Tgt Ion:142 Resp: 3439

Ion	Ratio	Lower	Upper
142	100		
127	43.9	41.0	61.4
141	15.3	11.2	16.8

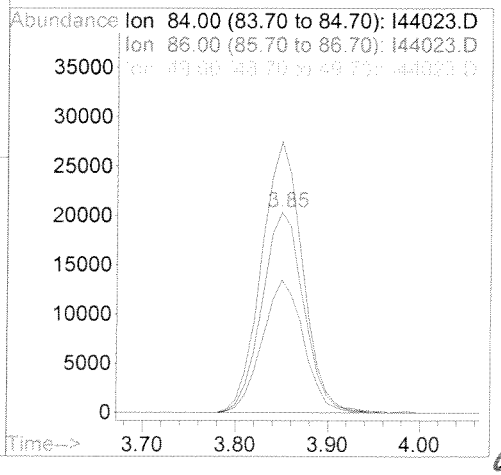




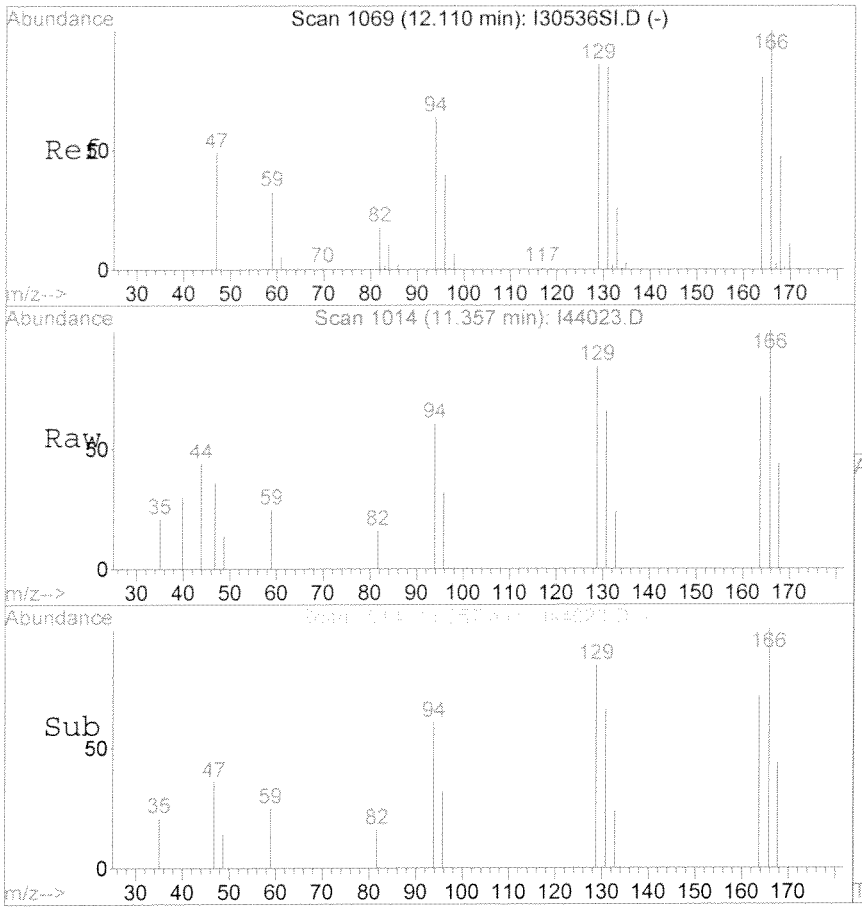
#16
Methylene Chloride
Concen: 14.04 ug/L
RT: 3.85 min Scan# 252
Delta R.T. 0.03 min
Lab File: I44023.D
Acq: 28 Sep 2010 12:51 pm

Tgt Ion: 84 Resp: 64054

Ion	Ratio	Lower	Upper
84	100		
86	66.2	45.8	85.8
49	135.1	116.6	156.6



9/29/10

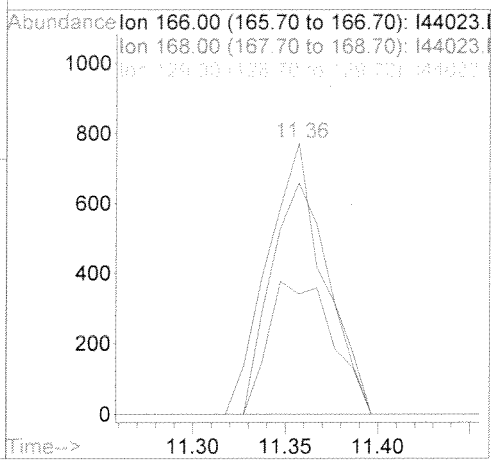


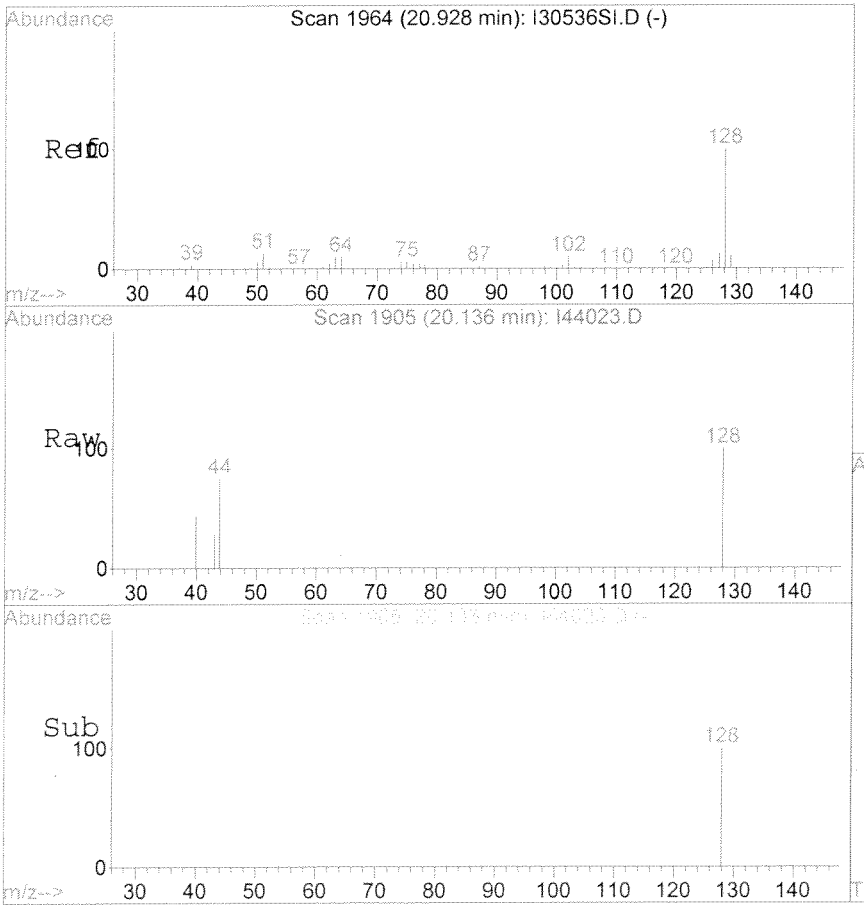
MT 9/29/10

#60
Tetrachloroethene
Concen: 0.56 ug/L
RT: 11.36 min Scan# 1014
Delta R.T. 0.02 min
Lab File: I44023.D
Acq: 28 Sep 2010 12:51 pm

Tgt Ion:166 Resp: 1652

Ion	Ratio	Lower	Upper
166	100		
168	44.1	29.9	69.9
129	85.3	59.2	99.2

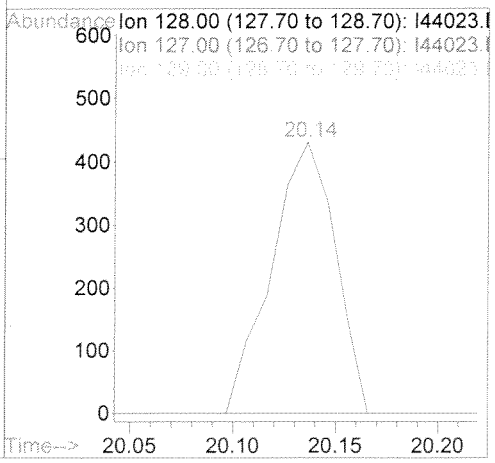




#96
Naphthalene
Concen: 0.92 ug/L
RT: 20.14 min Scan# 1905
Delta R.T. 0.02 min
Lab File: I44023.D
Acq: 28 Sep 2010 12:51 pm

Tgt Ion:128 Resp: 936

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8



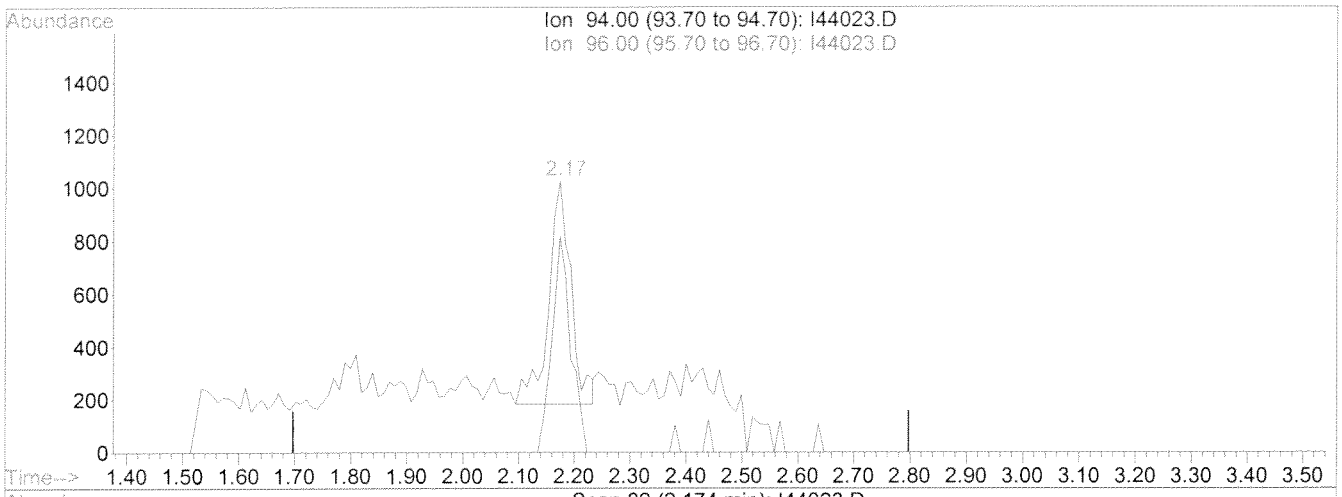
9/29/10

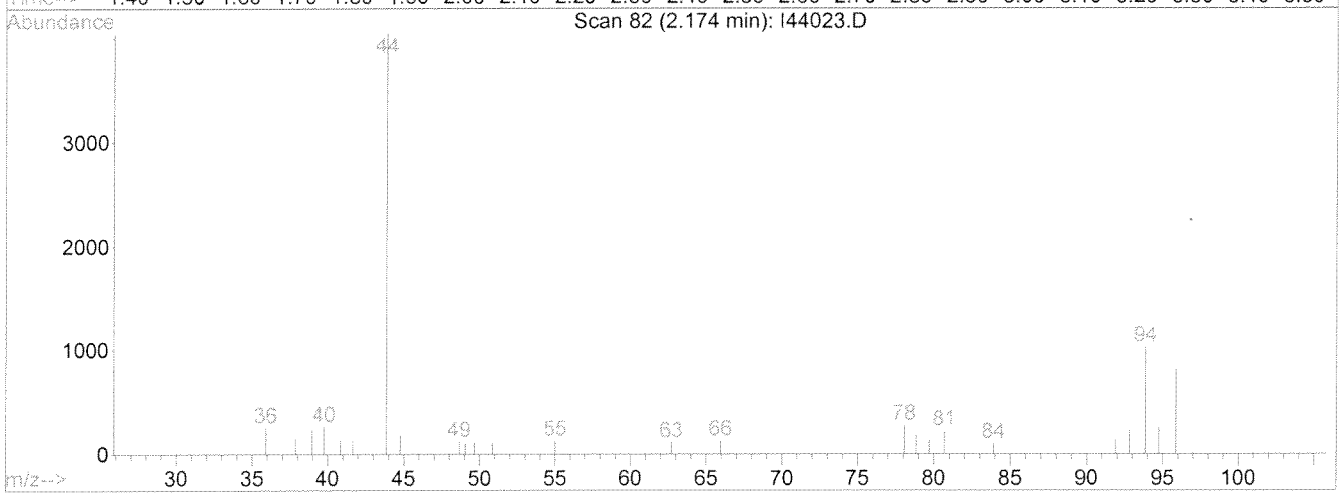
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\092810-I\I44023.D Vial: 12
Acq On : 28 Sep 2010 12:51 pm Operator: MT
Sample : 67834-12 Inst : Instrumen
Misc : ,4.73,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:06 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10
e.a.





TIC: I44023.D

(5) Bromomethane (TM)

2.17min 1.03ug/L

response 2382

Ion	Exp%	Act%
94.00	100	100
96.00	96.00	96.68
0.00	0.00	0.00
0.00	0.00	0.00

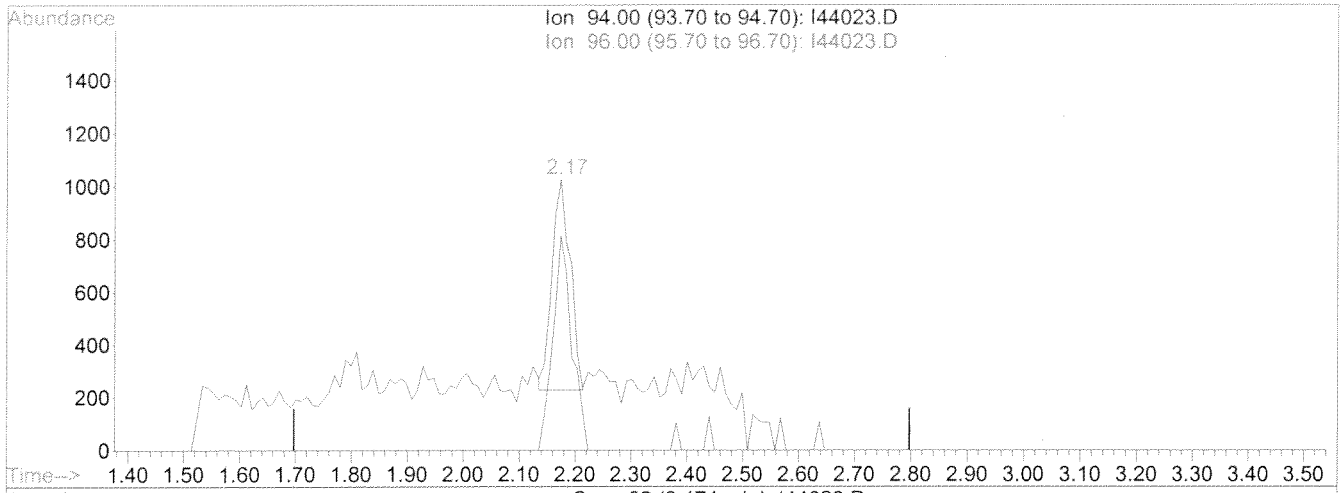
J92910

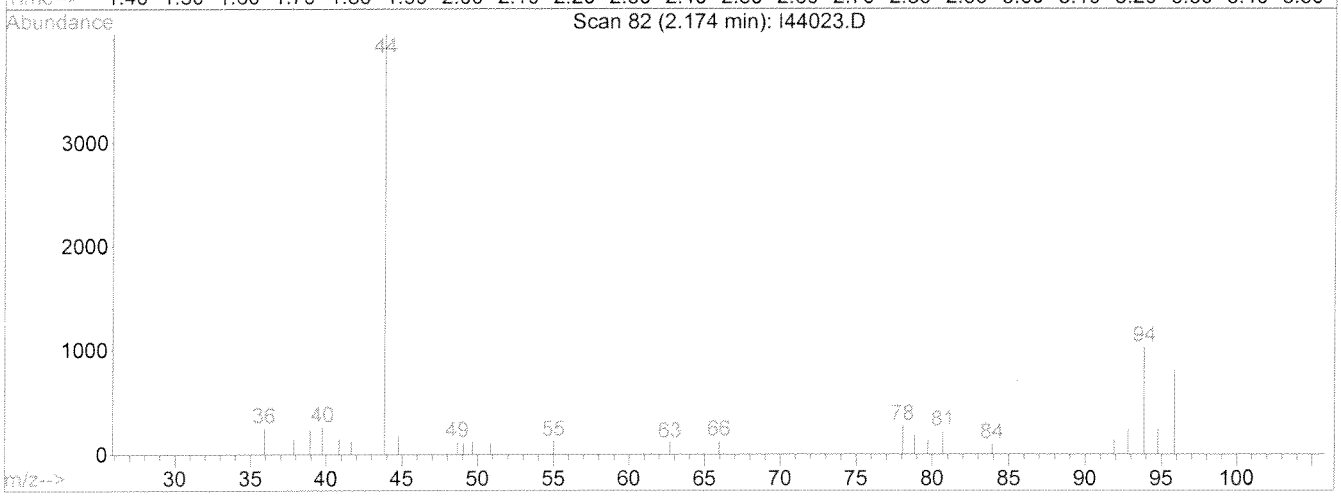
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\092810-I\I44023.D Vial: 12
Acq On : 28 Sep 2010 12:51 pm Operator: MT
Sample : 67834-12 Inst : Instrumen
Misc : ,4.73,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 8:02 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10





TIC: I44023.D

(5) Bromomethane (TM)

2.17min 0.78ug/L m

response 1817

Ion	Exp%	Act%
94.00	100	100
96.00	96.00	79.45
0.00	0.00	0.00
0.00	0.00	0.00

9/29/10

I44023.D VS09270I.M Wed Sep 29 08:02:13 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-13
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM2-SW-04D

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.4	U	1,1,2-Trichloroethane	2.4	U
Chloromethane	2.4	U	1,3-Dichloropropane	2.4	U
Vinyl Chloride	2.4	U	Tetrachloroethene	2.4	U
Bromomethane	2.4	U	2-Hexanone	12	U
Chloroethane	2.4	U	Dibromochloromethane	2.4	U
Trichlorofluoromethane	2.4	U	1,2-Dibromoethane	2.4	U
1,1-Dichloroethene	2.4	U	Chlorobenzene	2.4	U
Acetone	12	**18**	1,1,1,2-Tetrachloroethane	2.4	U
Methyl iodide	2.4	U	Ethylbenzene	2.4	U
Carbon Disulfide	2.4	U	o-Xylene	2.4	U
Methylene Chloride	12	U	m,p-Xylene	2.4	U
trans-1,2-Dichloroethene	2.4	U	Styrene	2.4	U
Methyl-tert-butyl ether (MTBE)	2.4	U	Bromoform	2.4	U
1,1-Dichloroethane	2.4	U	Isopropylbenzene	2.4	U
Vinyl acetate	5.9	U	1,1,2,2-Tetrachloroethane	2.4	U
Methyl ethyl ketone	12	U	Bromobenzene	2.4	U
cis-1,2-Dichloroethene	2.4	U	1,2,3-Trichloropropane	2.4	U
2,2-Dichloropropane	2.4	U	n-Propylbenzene	2.4	U
Bromochloromethane	2.4	U	2-Chlorotoluene	2.4	U
Chloroform	2.4	U	1,3,5-Trimethylbenzene	2.4	U
1,1,1-Trichloroethane	2.4	U	4-Chlorotoluene	2.4	U
1,1-Dichloropropene	2.4	U	tert-butylbenzene	2.4	U
Carbon Tetrachloride	2.4	U	1,2,4-Trimethylbenzene	2.4	U
1,2-Dichloroethane	2.4	U	sec-butylbenzene	2.4	U
Benzene	2.4	U	p-isopropyltoluene	2.4	U
Trichloroethene	2.4	U	1,3-Dichlorobenzene	2.4	U
1,2-Dichloropropane	2.4	U	1,4-Dichlorobenzene	2.4	U
Dibromomethane	2.4	U	n-butylbenzene	2.4	U
Bromodichloromethane	2.4	U	1,2-Dichlorobenzene	2.4	U
cis-1,3-Dichloropropene	2.4	U	1,2-Dibromo-3-chloropropane	2.4	U
Methyl isobutyl ketone	12	U	1,2,4-Trichlorobenzene	2.4	U
Toluene	2.4	U	Hexachlorobutadiene	2.4	U
trans-1,3-Dichloropropene	2.4	U	Naphthalene	2.4	U
			1,2,3-Trichlorobenzene	2.4	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	104	%	d8-Toluene	102	%	Bromofluorobenzen	100	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44052.D Vial: 41
Acq On : 29 Sep 2010 2:30 am Operator: MT
Sample : 67834-13 Inst : Instrumen
Misc : ,4.44,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5) / (4.44g)(95%) = 1.2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	115234	20.00	ug/L	0.03
39) 1,4-Difluorobenzene	7.95	114	215587 ✓	20.00	ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	188116	20.00	ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.40	152	78445	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.31	65	102572	20.83	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.15% ✓			
36) d4-1,2-Dichloroethane	7.31	65	102572	20.83	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.15% ✓			
54) d8-Toluene	10.25	98	237073	20.46	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.30% ✓			
73) Bromofluorobenzene	14.51	95	95786	19.94	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.70% ✓			

Target Compounds						Qvalue
~~5)~~ Bromomethane	2.18	94	1427	~~0.59~~	ug/L	94
12) Acetone	3.04	43	20709	✓15.39	ug/L	96
~~16)~~ Methylene Chloride	3.85	84	43500	<10 ~~7.05~~	ug/L	99
M 43) Methyl acetate	3.66	43	7010	M 2.12	ug/L	97
~~96)~~ Naphthalene	20.13	128	443	<5 ~~0.84~~	ug/L	68

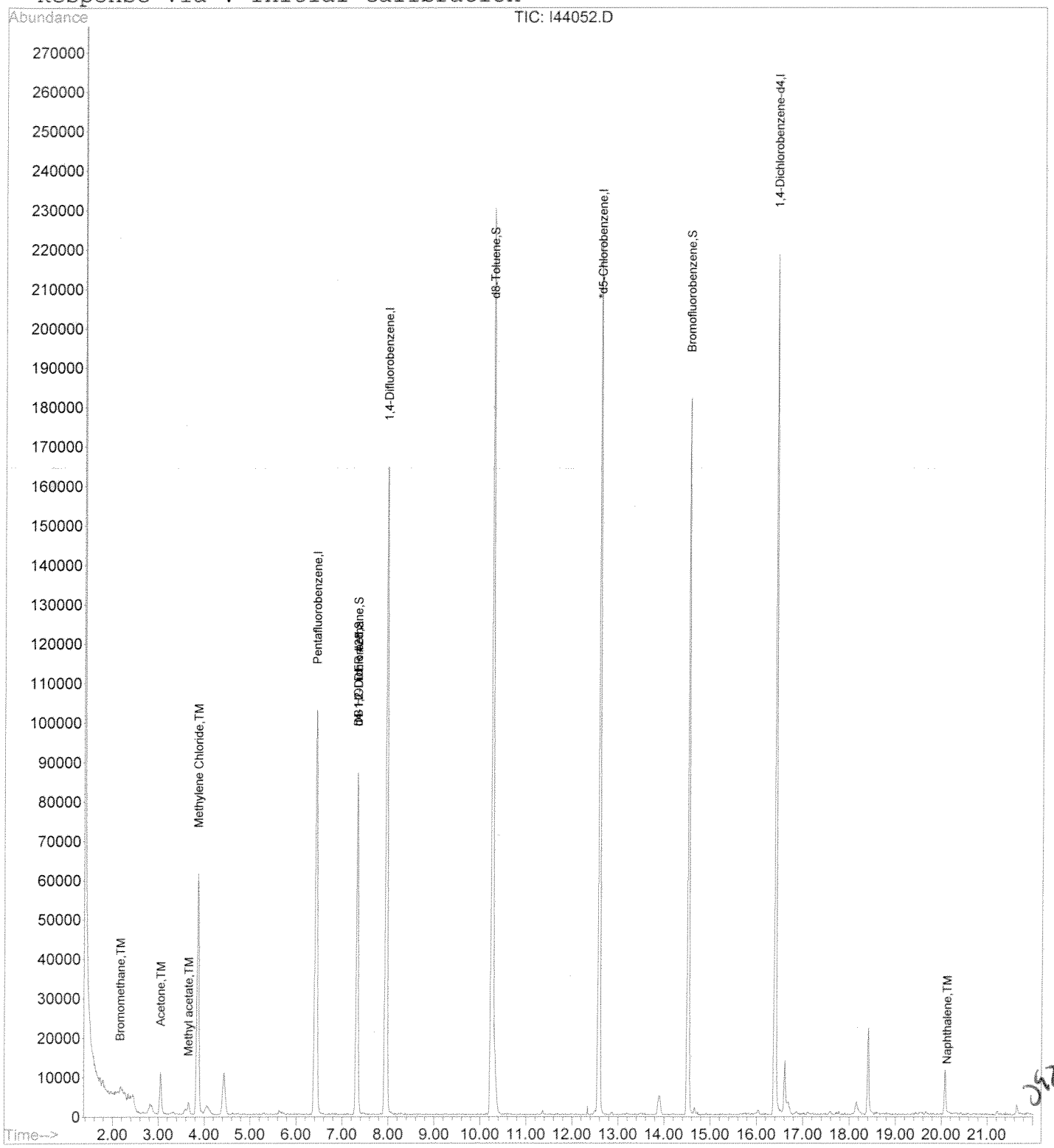
9/29/10

(#) = qualifier out of range (m) = manual integration
I44052.D VS09270I.M Wed Sep 29 07:12:17 2010 Page 1

Quantitation Report

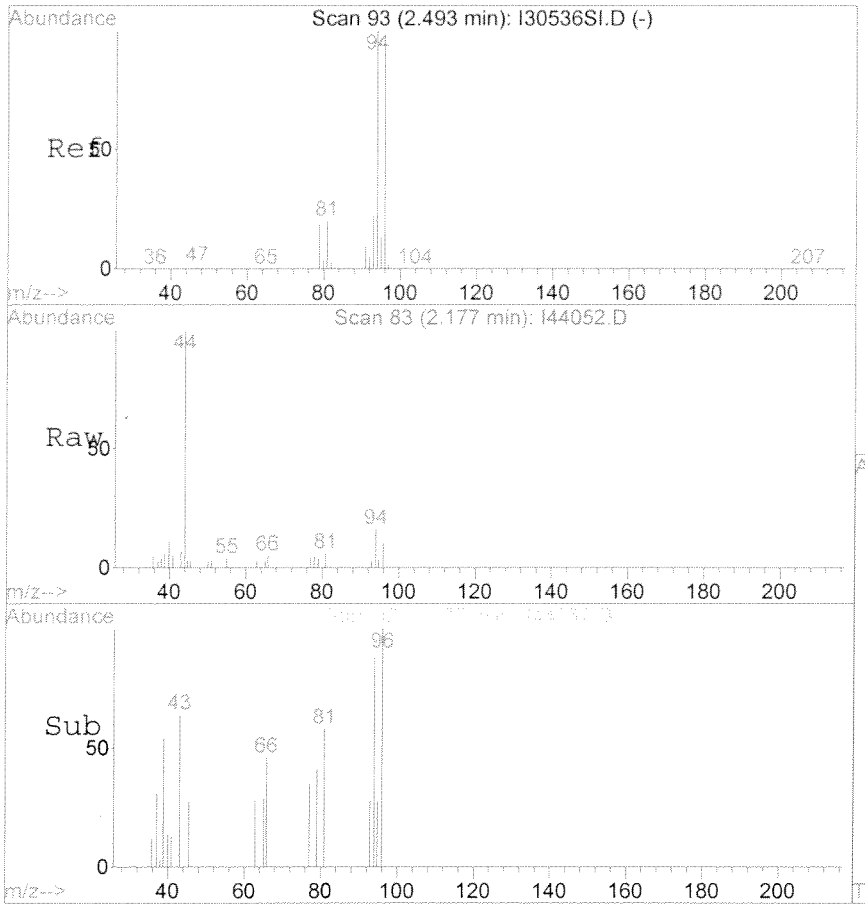
Data File : C:\HPCHEM\1\DATA\092810-I\I44052.D Vial: 41
Acq On : 29 Sep 2010 2:30 am Operator: MT
Sample : 67834-13 Inst : Instrumen
Misc : ,4.44,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil MT 9/29/10
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration



092910

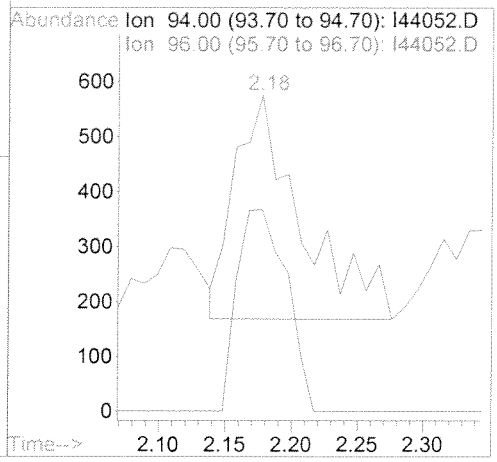
MT 9/29/10

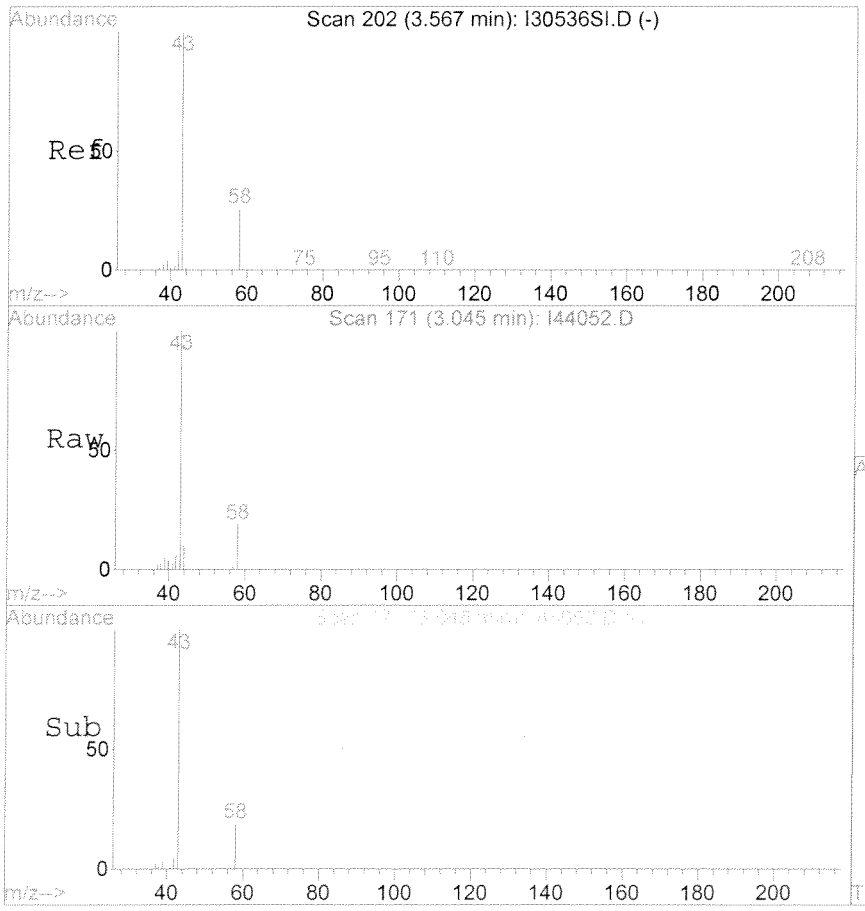


#5
Bromomethane
Concen: 0.59 ug/L
RT: 2.18 min Scan# 83
Delta R.T. 0.02 min
Lab File: I44052.D
Acq: 29 Sep 2010 2:30 am

Tgt Ion: 94 Resp: 1427

Ion	Ratio	Lower	Upper
94	100		
96	90.2	76.0	116.0

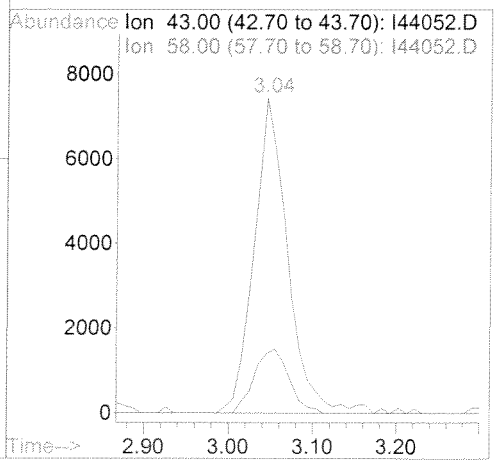




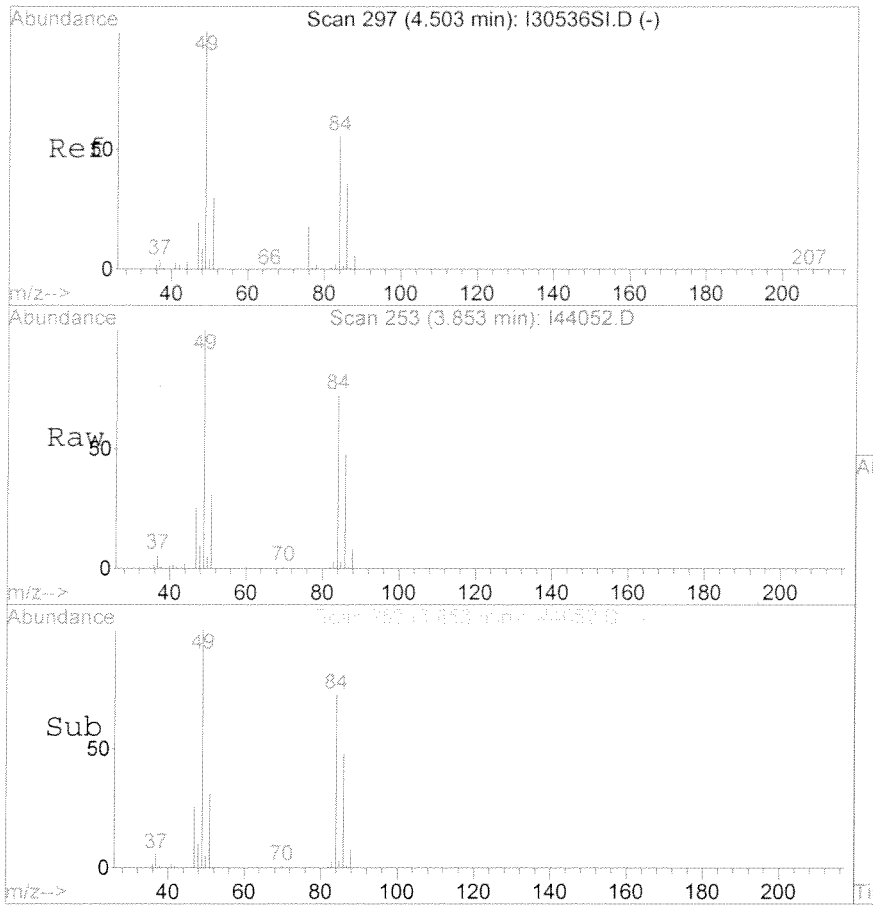
#12
Acetone
Concen: 15.39 ug/L
RT: 3.04 min Scan# 171
Delta R.T. 0.02 min
Lab File: I44052.D
Acq: 29 Sep 2010 2:30 am

Tgt Ion: 43 Resp: 20709

Ion	Ratio	Lower	Upper
43	100		
58	20.9	18.3	27.5



JT29W

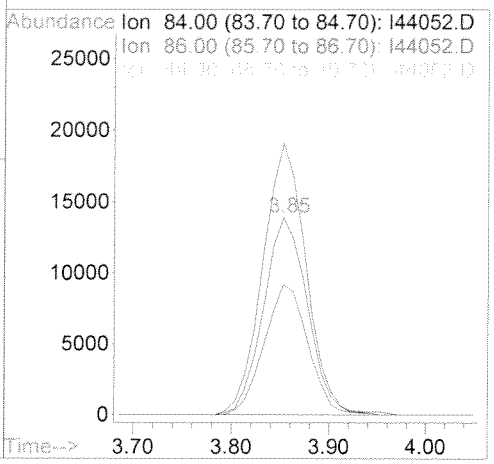


#16 MT 9/29/10
Methylene Chloride
Concen: 7.05 ug/L
RT: 3.85 min Scan# 253 NOJ
Delta R.T. 0.03 min
Lab File: I44052.D
Acq: 29 Sep 2010 2:30 am

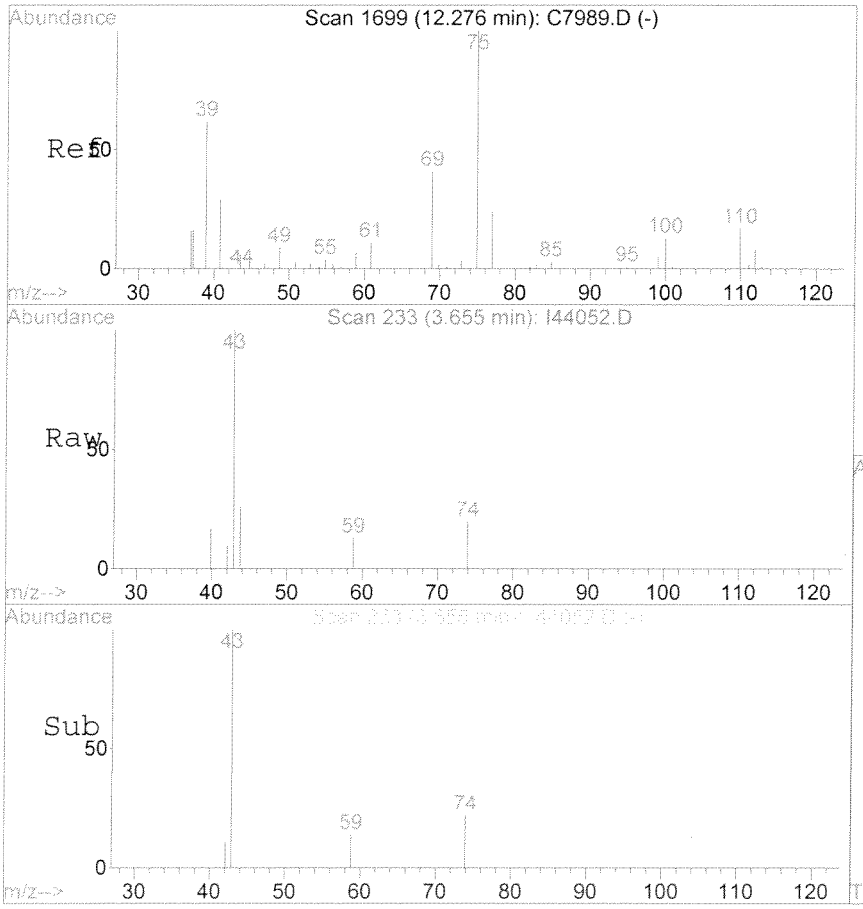
Tgt Ion: 84 Resp: 43500

Ion	Ratio	Lower	Upper
84	100		
86	66.2	45.8	85.8
49	137.5	116.6	156.6

X



<10

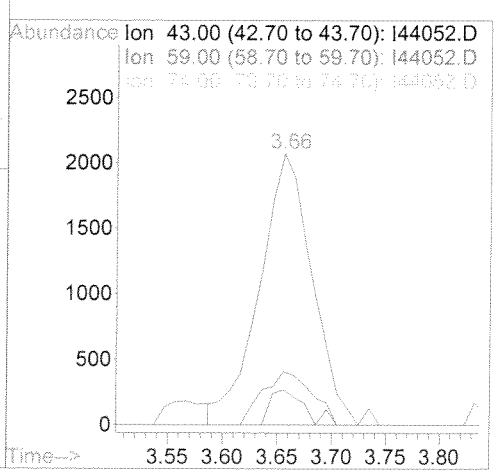


#43
Methyl acetate
Concen: 2.12 ug/L
RT: 3.66 min Scan# 233
Delta R.T. 0.02 min
Lab File: I44052.D
Acq: 29 Sep 2010 2:30 am

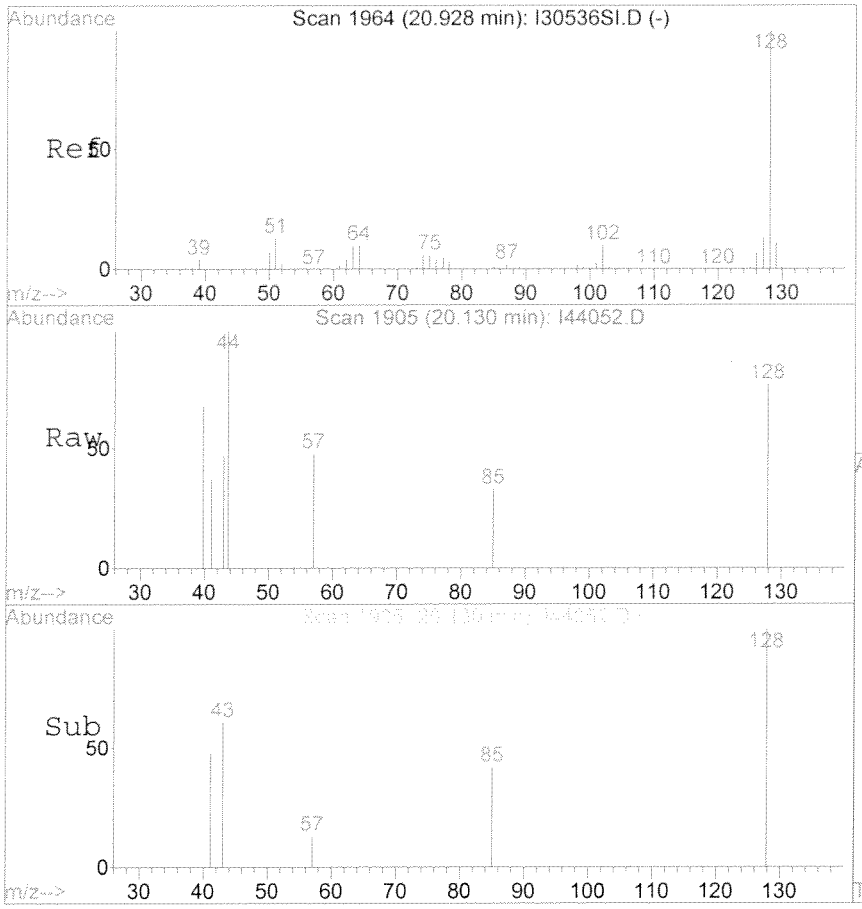
Tgt Ion: 43 Resp: 7010

Ion	Ratio	Lower	Upper
43	100		
59	8.4	7.6	11.4
74	18.2	15.8	23.6

MT



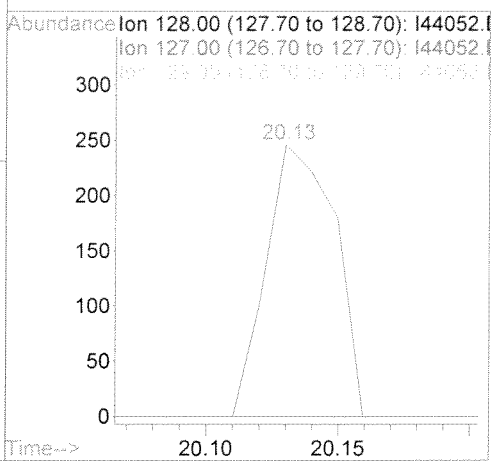
09290



#96 MT 9/29/10
Naphthalene
Concen: 0.84 ug/L
RT: 20.13 min Scan# 1905
Delta R.T. 0.01 min
Lab File: I44052.D
Acq: 29 Sep 2010 2:30 am

Tgt Ion:128 Resp: 443

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8



D929W

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-14
Matrix: Solid
Percent Solid: 79
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM2-B-5

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	**15**	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5.1	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105	%	d8-Toluene	100	%	Bromofluorobenzen	101	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "Test Methods for Evaluating Solid Waste, SW-846 Method 8260B."

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44053.D Vial: 42
Acq On : 29 Sep 2010 2:58 am Operator: MT
Sample : 67834-14 Inst : Instrumen
Misc : ,6.21,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5)/((6.24)(.7939)) = 1.0

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	114238	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	7.95	114	214917 ✓	20.00	ug/L	0.02
63) *d5-Chlorobenzene	12.58	117	185722	20.00	ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.39	152	80572	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.32	65	102153	20.92	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.60% ✓			
36) d4-1,2-Dichloroethane	7.32	65	102153	20.92	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.60% ✓			
54) d8-Toluene	10.24	98	230214	19.93	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.65% ✓			
73) Bromofluorobenzene	14.51	95	95555	20.15	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.75% ✓			

Target Compounds						Qvalue
12) Acetone	3.04	43	19451	✓14.58	ug/L	98
~~16)~~ Methylene Chloride	3.86	84	49887	<10 ~~9.13~~	ug/L	94
R 43) Methyl acetate	3.66	43	10754	M 3.26	ug/L	96
~~96)~~ Naphthalene	20.14	128	416	~~0.83~~	ug/L	68

9/29/10

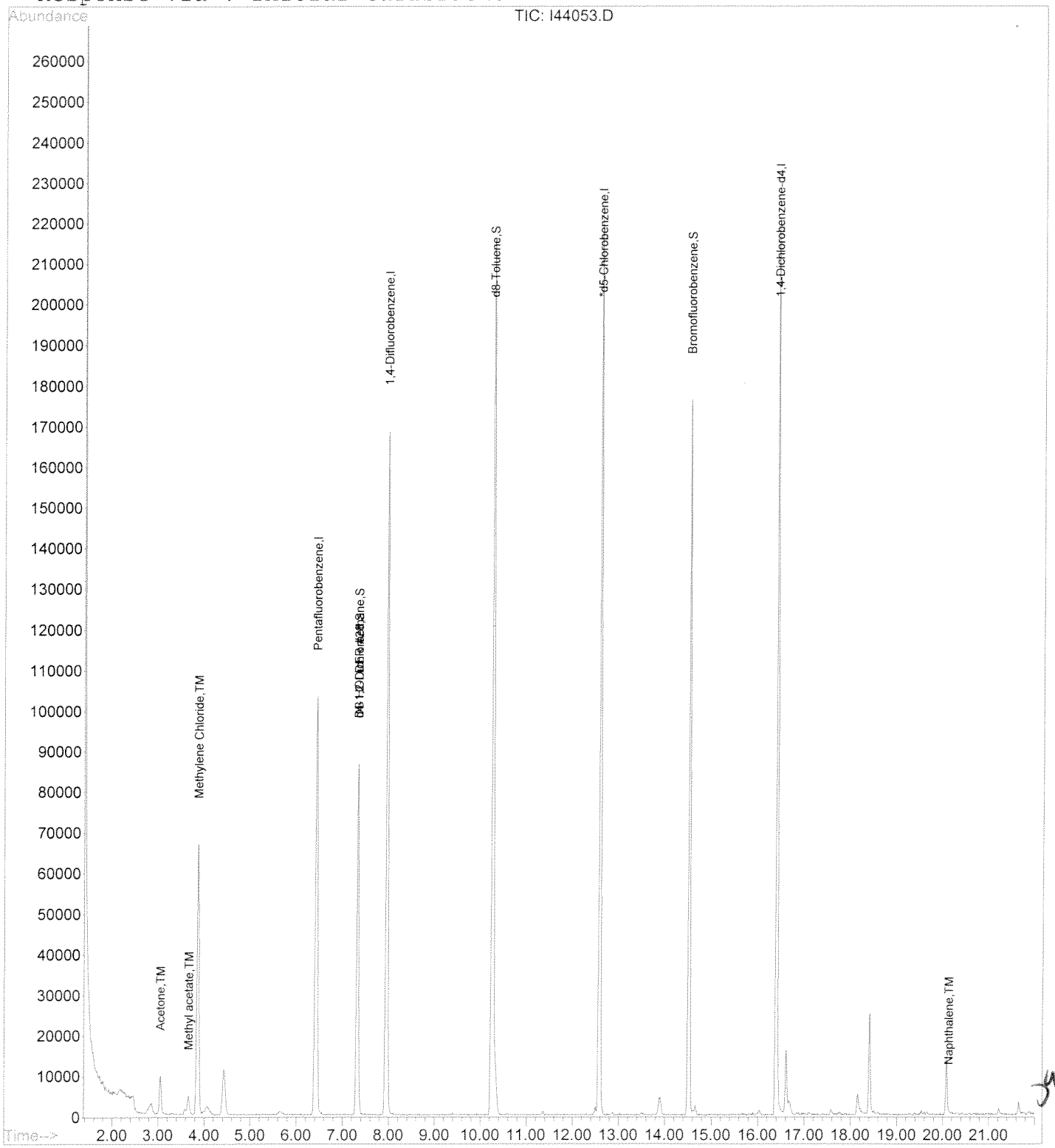
(#) = qualifier out of range (m) = manual integration
I44053.D VS09270I.M Wed Sep 29 07:12:18 2010 Page 1

Quantitation Report

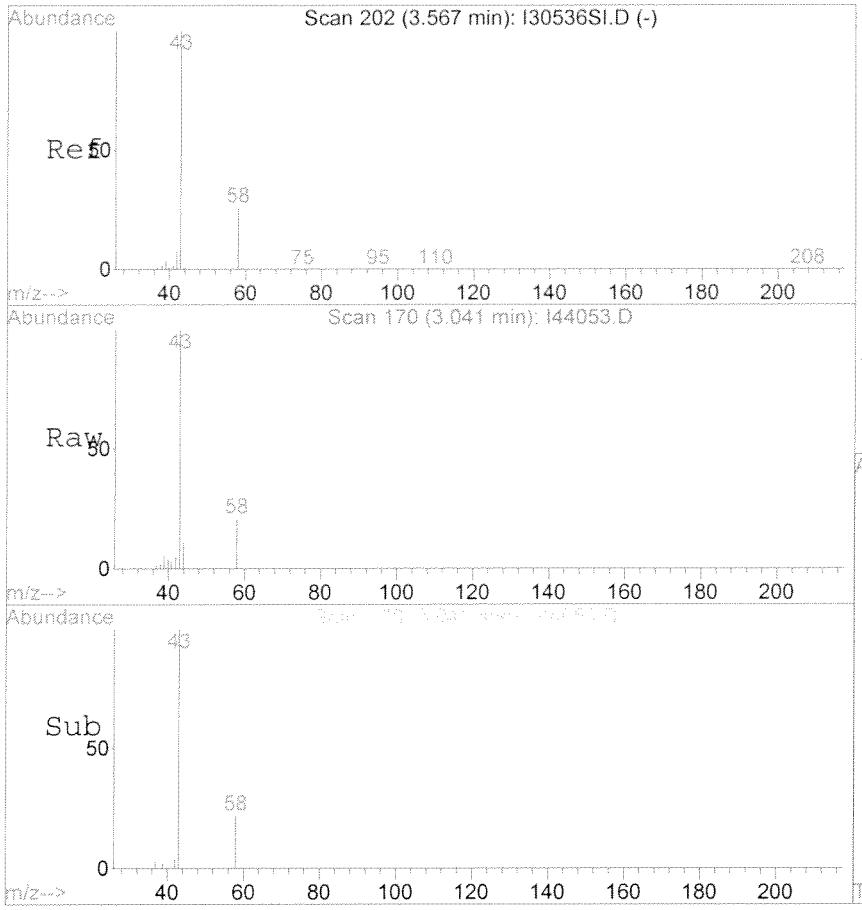
Data File : C:\HPCHEM\1\DATA\092810-I\I44053.D Vial: 42
Acq On : 29 Sep 2010 2:58 am Operator: MT
Sample : 67834-14 Inst : Instrumen
Misc : ,6.21,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



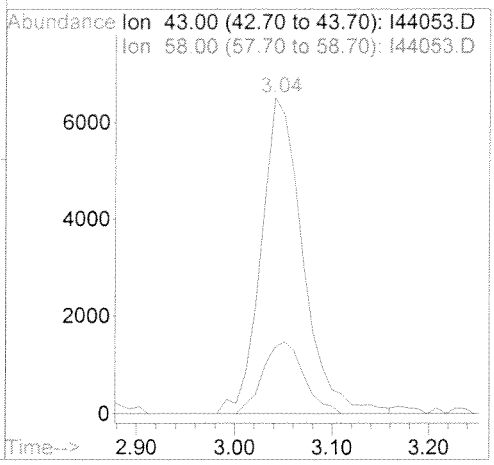
9/29/10

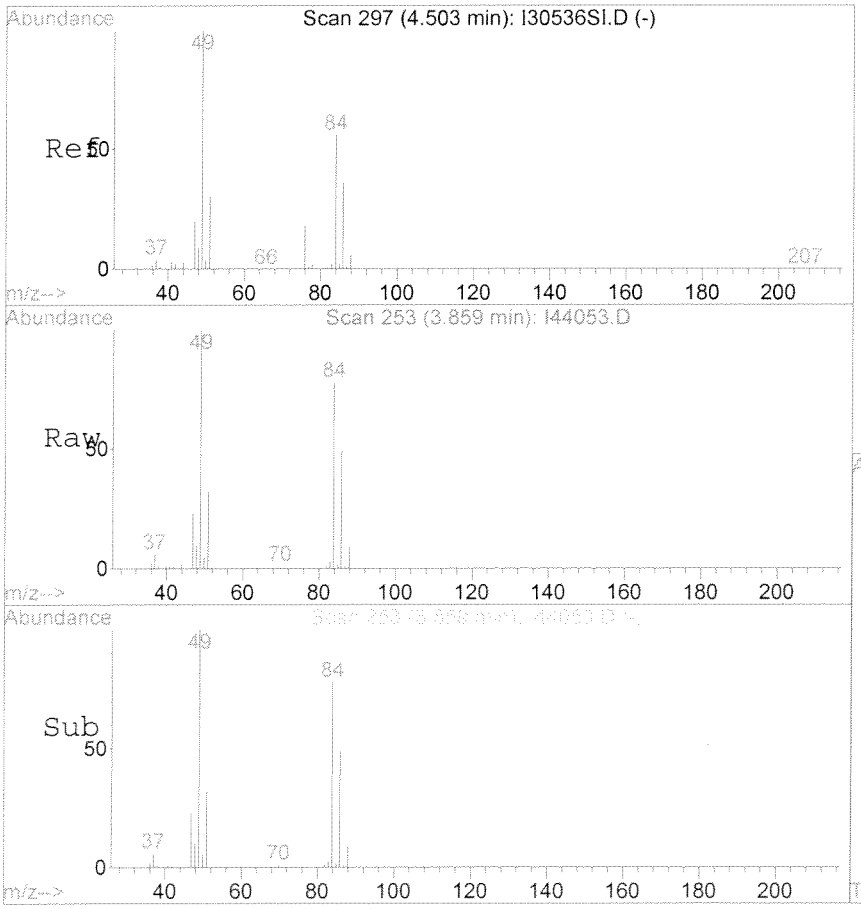


#12 NT 9/29/10
Acetone
Concen: 14.58 ug/L
RT: 3.04 min Scan# 170
Delta R.T. 0.02 min
Lab File: I44053.D
Acq: 29 Sep 2010 2:58 am

Tgt Ion: 43 Resp: 19451

Ion	Ratio	Lower	Upper
43	100		
58	22.0	18.3	27.5

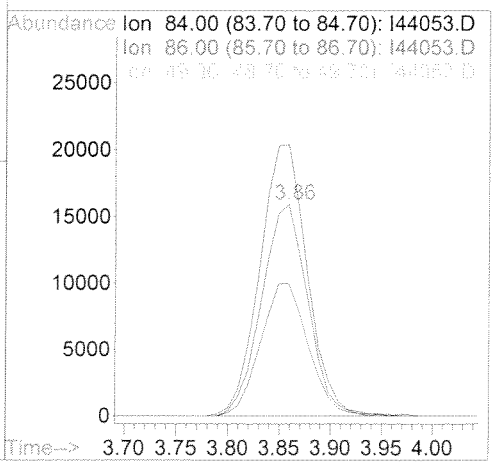




#16
Methylene Chloride
Concen: 9.13 ug/L
RT: 3.86 min Scan# 253
Delta R.T. 0.04 min
Lab File: I44053.D
Acq: 29 Sep 2010 2:58 am

Tgt Ion: 84 Resp: 49887

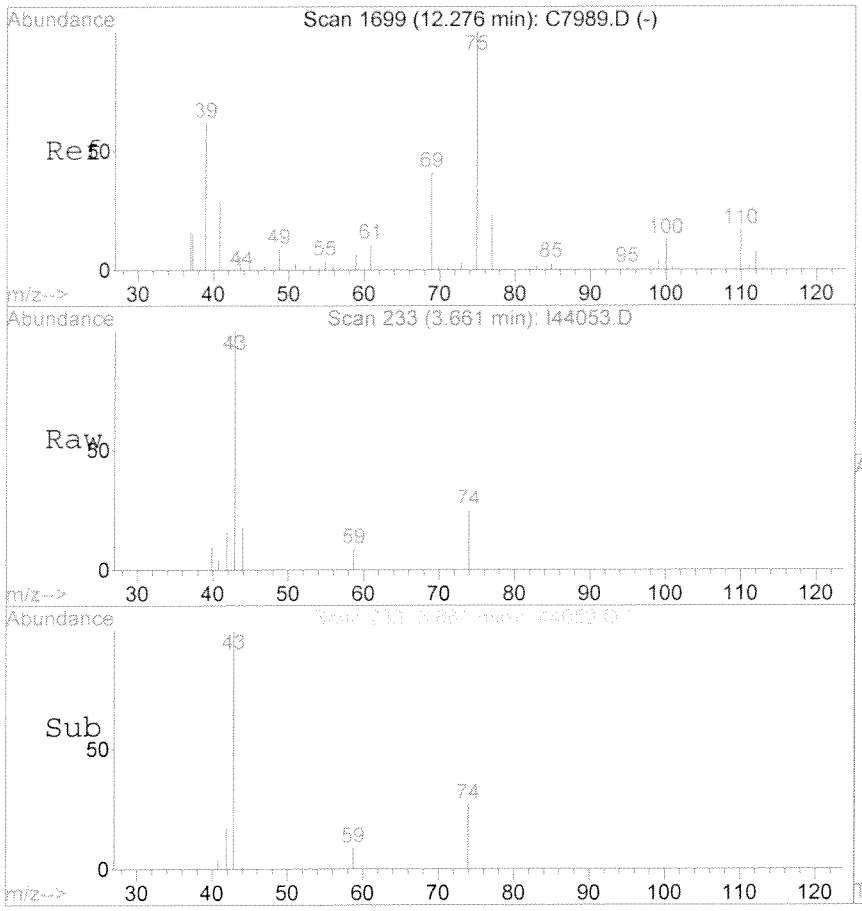
Ion	Ratio	Lower	Upper
84	100		
86	62.5	45.8	85.8
49	127.9	116.6	156.6



<10

9/29/10

MT 9/29/10

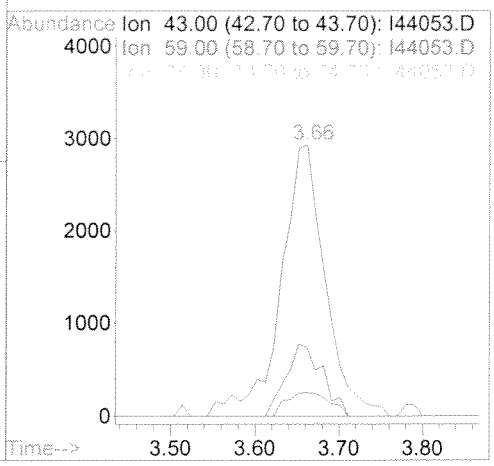


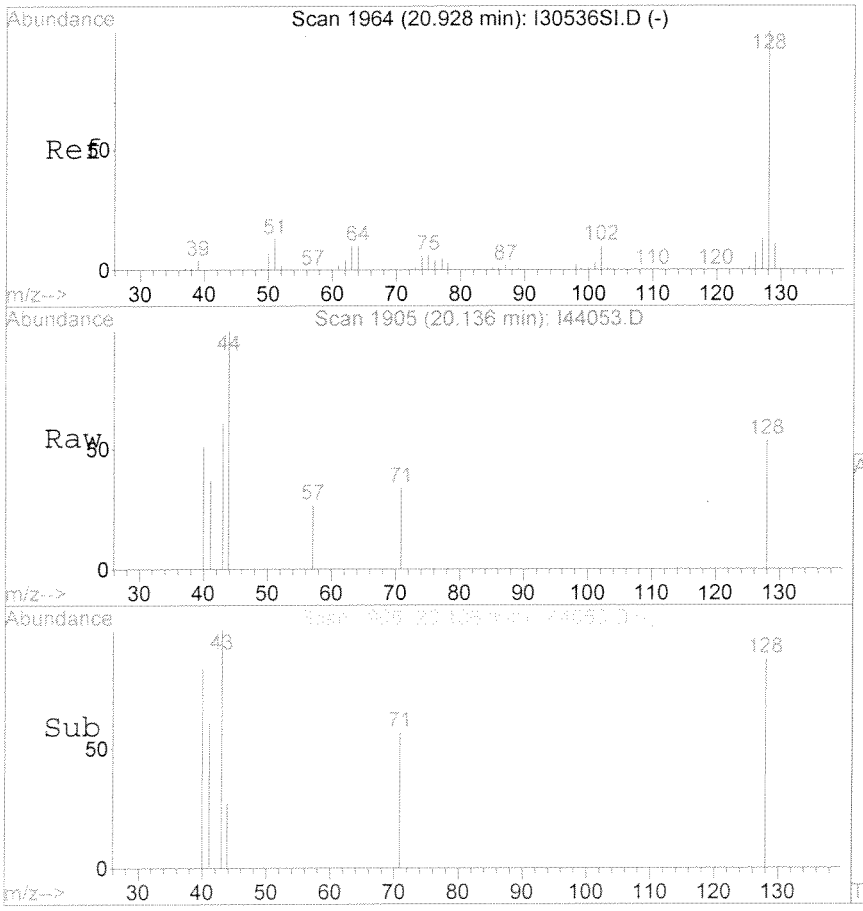
#43
Methyl acetate
Concen: 3.26 ug/L
RT: 3.66 min Scan# 233
Delta R.T. 0.02 min
Lab File: I44053.D
Acq: 29 Sep 2010 2:58 am

Tgt Ion: 43 Resp: 10754

Ion	Ratio	Lower	Upper
43	100		
59	8.4	7.6	11.4
74	21.6	15.8	23.6

MT



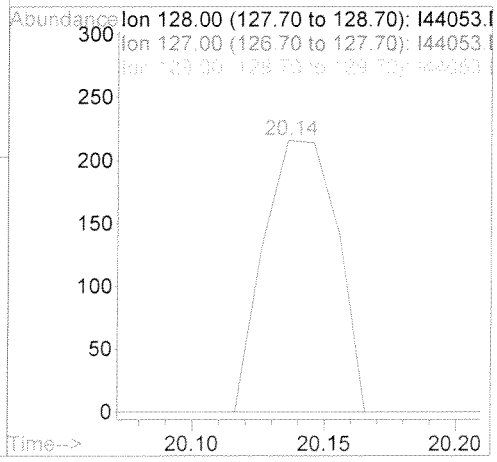


#96
Naphthalene
Concen: 0.83 ug/L
RT: 20.14 min Scan# 1905
Delta R.T. 0.02 min
Lab File: I44053.D
Acq: 29 Sep 2010 2:58 am

Tgt Ion:128 Resp: 416

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8

X



5/29/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-15
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM3-SW-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	1.8	U	1,1,2-Trichloroethane	1.8	U
Chloromethane	1.8	U	1,3-Dichloropropane	1.8	U
Vinyl Chloride	1.8	U	Tetrachloroethene	1.8	U
Bromomethane	1.8	U	2-Hexanone	9.1	U
Chloroethane	1.8	U	Dibromochloromethane	1.8	U
Trichlorofluoromethane	1.8	U	1,2-Dibromoethane	1.8	U
1,1-Dichloroethene	1.8	U	Chlorobenzene	1.8	U
Acetone	9.1	**17**	1,1,1,2-Tetrachloroethane	1.8	U
Methyl iodide	1.8	U	Ethylbenzene	1.8	U
Carbon Disulfide	1.8	U	o-Xylene	1.8	U
Methylene Chloride	9.1	U	m,p-Xylene	1.8	U
trans-1,2-Dichloroethene	1.8	U	Styrene	1.8	U
Methyl-tert-butyl ether (MTBE)	1.8	U	Bromoform	1.8	U
1,1-Dichloroethane	1.8	U	Isopropylbenzene	1.8	U
Vinyl acetate	4.6	U	1,1,2,2-Tetrachloroethane	1.8	U
Methyl ethyl ketone	9.1	U	Bromobenzene	1.8	U
cis-1,2-Dichloroethene	1.8	U	1,2,3-Trichloropropane	1.8	U
2,2-Dichloropropane	1.8	U	n-Propylbenzene	1.8	U
Bromochloromethane	1.8	U	2-Chlorotoluene	1.8	U
Chloroform	1.8	U	1,3,5-Trimethylbenzene	1.8	U
1,1,1-Trichloroethane	1.8	U	4-Chlorotoluene	1.8	U
1,1-Dichloropropene	1.8	U	tert-butylbenzene	1.8	U
Carbon Tetrachloride	1.8	U	1,2,4-Trimethylbenzene	1.8	U
1,2-Dichloroethane	1.8	U	sec-butylbenzene	1.8	U
Benzene	1.8	U	p-isopropyltoluene	1.8	U
Trichloroethene	1.8	U	1,3-Dichlorobenzene	1.8	U
1,2-Dichloropropane	1.8	U	1,4-Dichlorobenzene	1.8	U
Dibromomethane	1.8	U	n-butylbenzene	1.8	U
Bromodichloromethane	1.8	U	1,2-Dichlorobenzene	1.8	U
cis-1,3-Dichloropropene	1.8	U	1,2-Dibromo-3-chloropropane	1.8	U
Methyl isobutyl ketone	9.1	U	1,2,4-Trichlorobenzene	1.8	U
Toluene	1.8	U	Hexachlorobutadiene	1.8	U
trans-1,3-Dichloropropene	1.8	U	Naphthalene	1.8	U
			1,2,3-Trichlorobenzene	1.8	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105 %	d8-Toluene	100 %	Bromofluorobenzen	104 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY:

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44056.D Vial: 45
Acq On : 29 Sep 2010 4:23 am Operator: MT
Sample : 67834-15 Inst : Instrumen
Misc : ,6.05,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5)/(6.05g)(.9038) = 0.91

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	110610	20.00	ug/L	0.03
39) 1,4-Difluorobenzene	7.95	114	208415 ✓	20.00	ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	179902 ✓	20.00	ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.39	152	77439	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.32	65	99140	20.97	ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.85% ✓			
36) d4-1,2-Dichloroethane	7.32	65	99140	20.97	ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.85% ✓			
54) d8-Toluene	10.24	98	224577	20.05	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.25% ✓			
73) Bromofluorobenzene	14.51	95	95301	20.74	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.70% ✓			

Target Compounds						Qvalue
5) Bromomethane	2.16	94	1607	~~0.70~~	ug/L #	68
12) Acetone	3.05	43	24216	✓18.75	ug/L	98
16) Methylene Chloride	3.85	84	33139	<10 ~~4.32~~	ug/L	98
43) Methyl acetate	3.65	43	5841	ND 1.83	ug/L #	89
~~94)~~ 1,2,4-Trichlorobenzene	19.76	180	5924	~~1.67~~	ug/L #	4
~~96)~~ Naphthalene	20.13	128	1133	~~0.94~~	ug/L	74
~~97)~~ 1,2,3-Trichlorobenzene	20.61	180	4388	~~1.40~~	ug/L #	3

9/29/10

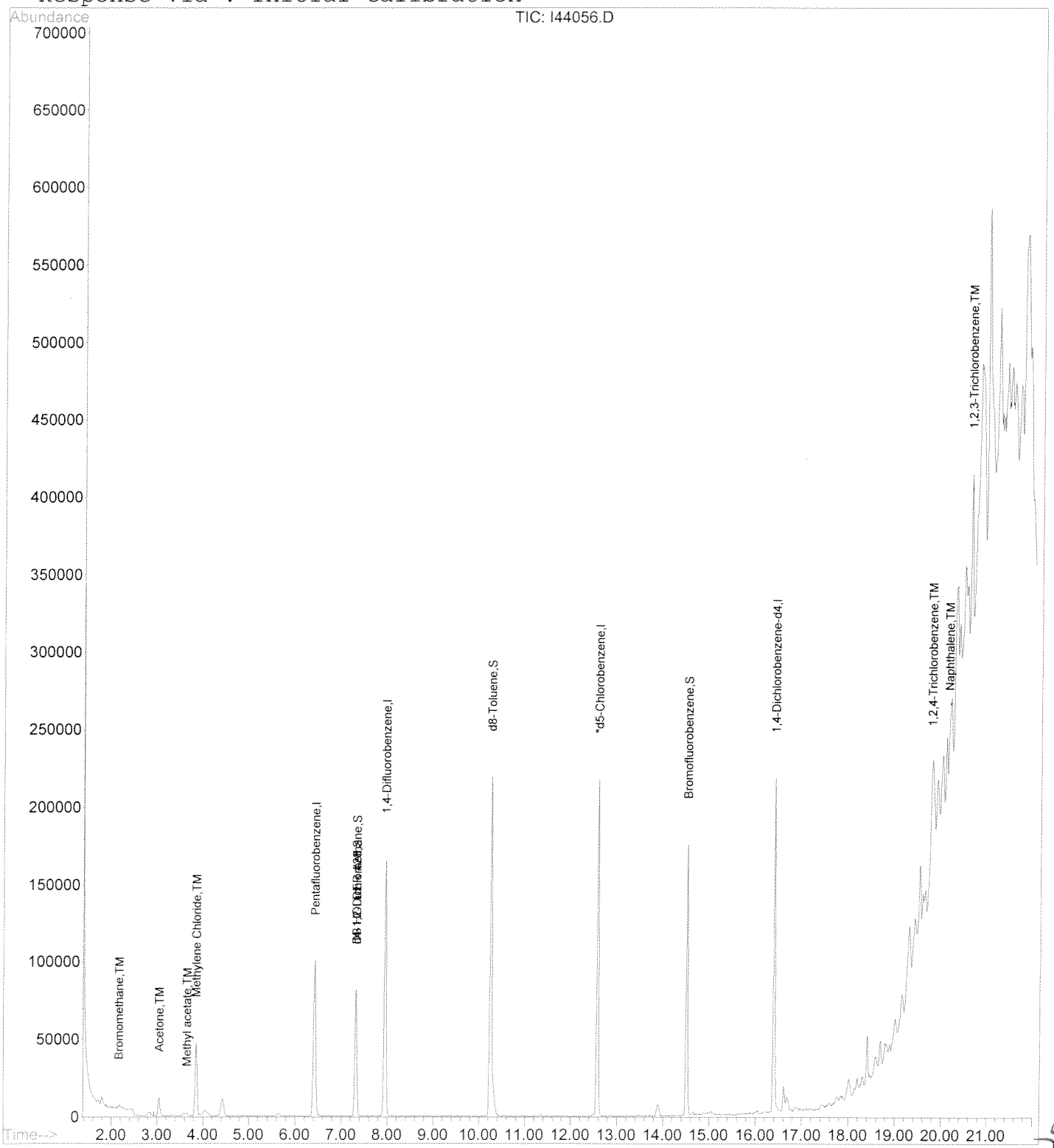
(#) = qualifier out of range (m) = manual integration
I44056.D VS09270I.M Wed Sep 29 07:12:19 2010 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44056.D Vial: 45
Acq On : 29 Sep 2010 4:23 am Operator: MT
Sample : 67834-15 Inst : Instrumen
Misc : ,6.05,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010 Quant Results File: VS09270I.RES

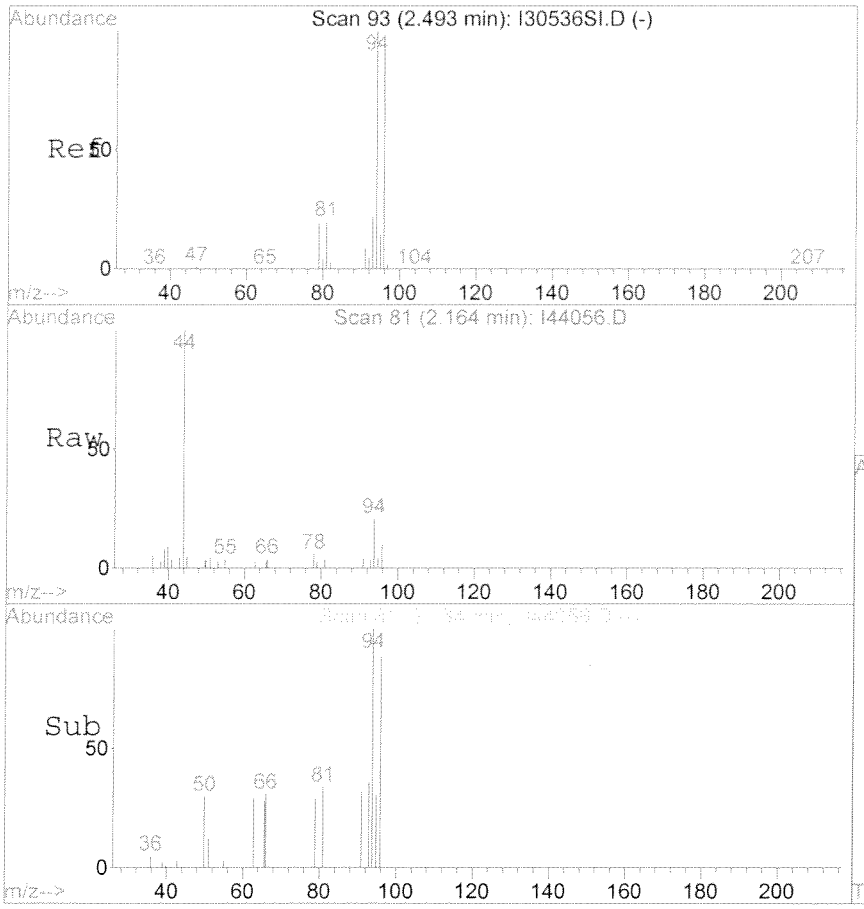
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



092910

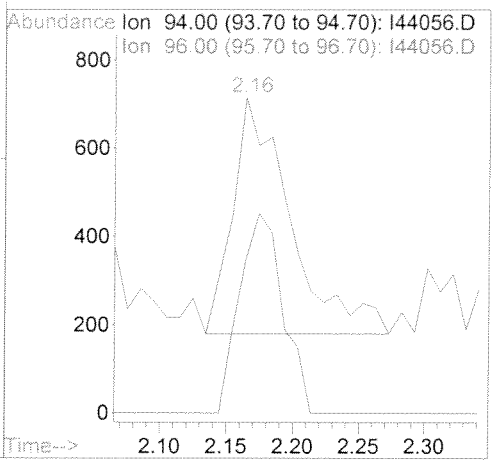
MT 9/29/10

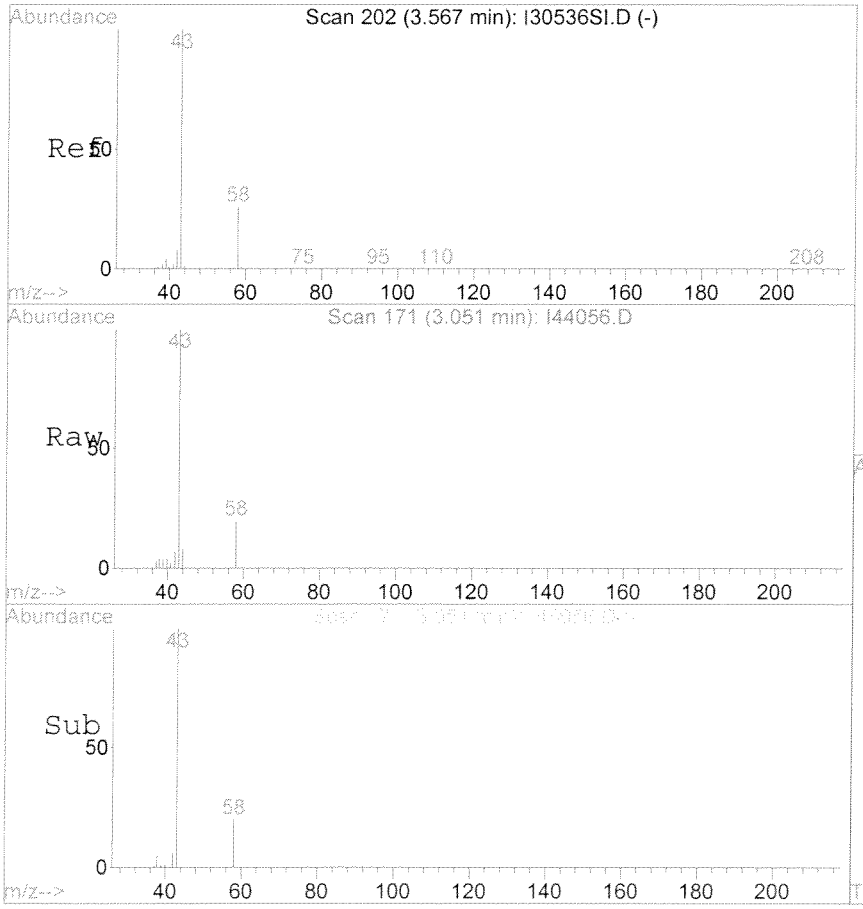


#5
Bromomethane
Concen: 0.70 ug/L
RT: 2.16 min Scan# 81
Delta R.T. 0.01 min
Lab File: I44056.D
Acq: 29 Sep 2010 4:23 am

Tgt Ion: 94 Resp: 1607

Ion	Ratio	Lower	Upper
94	100		
96	64.9	76.0	116.0#

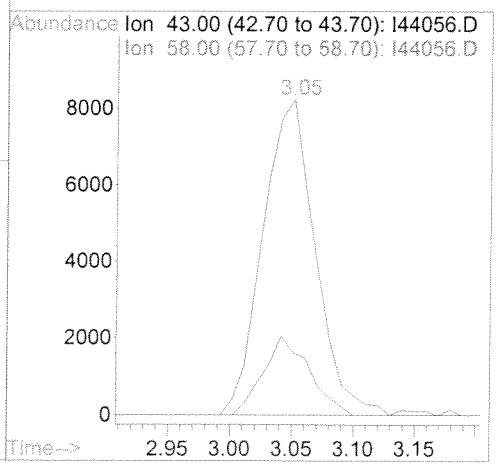




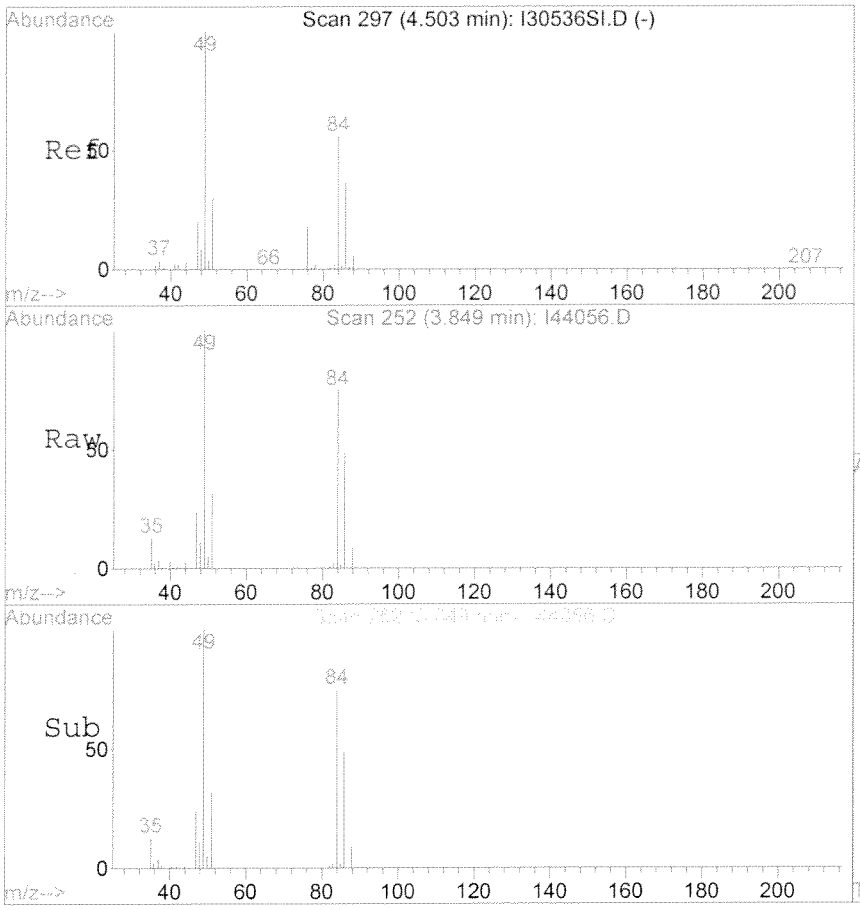
#12
Acetone
Concen: 18.75 ug/L
RT: 3.05 min Scan# 171
Delta R.T. 0.03 min
Lab File: I44056.D
Acq: 29 Sep 2010 4:23 am

Tgt Ion: 43 Resp: 24216

Ion	Ratio	Lower	Upper
43	100		
58	21.9	18.3	27.5



NT 9/29/10



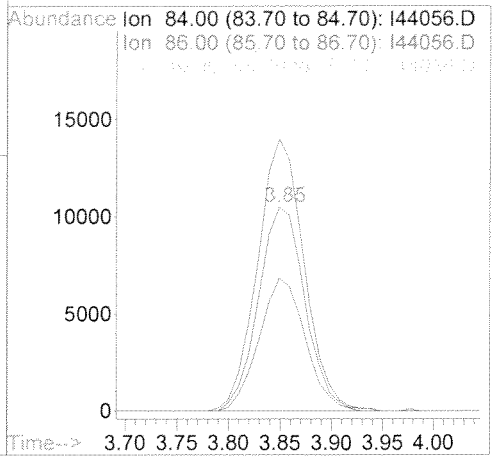
#16
Methylene Chloride
Concen: 4.32 ug/L
RT: 3.85 min Scan# 252
Delta R.T. 0.03 min
Lab File: I44056.D
Acq: 29 Sep 2010 4:23 am

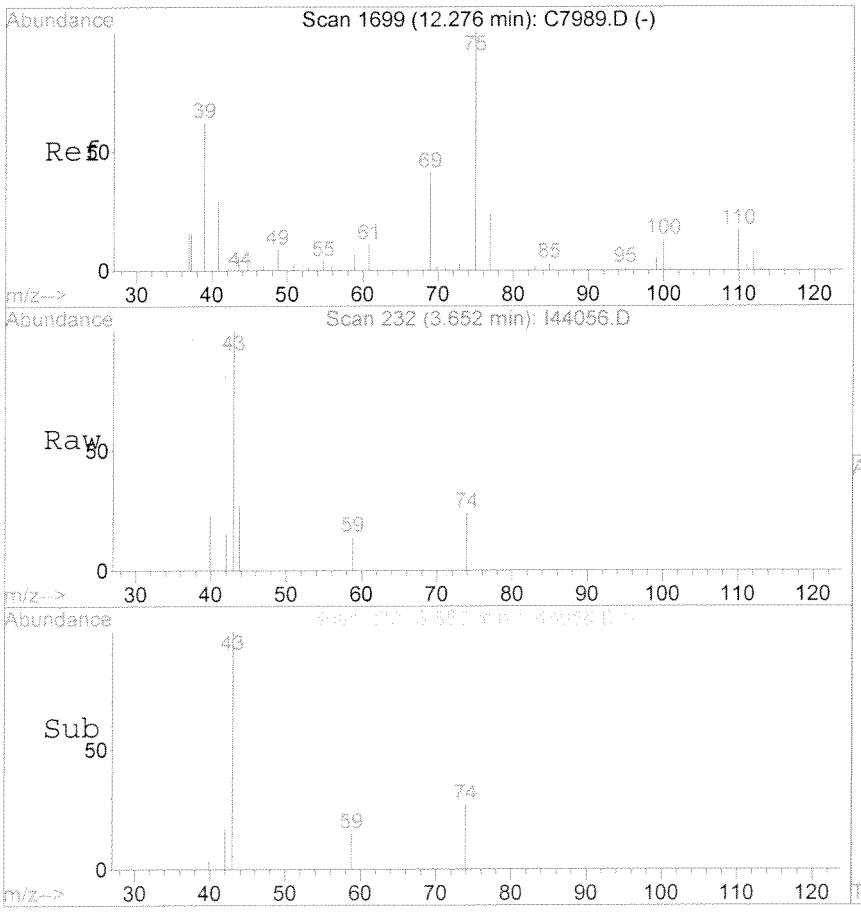
Tgt Ion: 84 Resp: 33139

Ion	Ratio	Lower	Upper
84	100		
86	65.3	45.8	85.8
49	133.3	116.6	156.6

X

<10



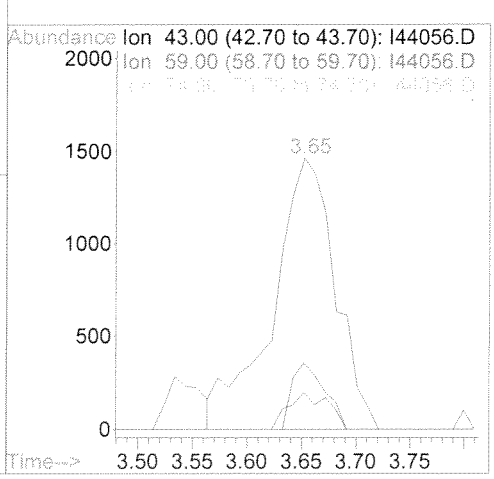


#43
Methyl acetate
Concen: 1.83 ug/L
RT: 3.65 min Scan# 232
Delta R.T. 0.02 min
Lab File: I44056.D
Acq: 29 Sep 2010 4:23 am

Tgt Ion: 43 Resp: 5841

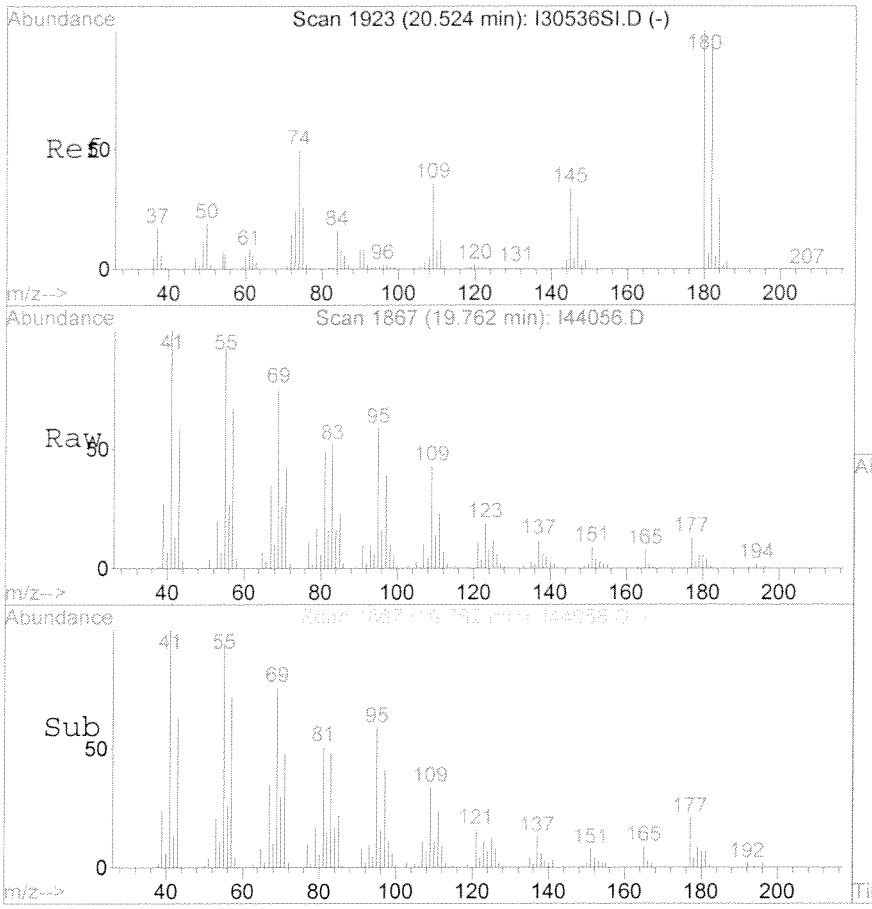
Ion	Ratio	Lower	Upper
43	100		
59	8.6	7.6	11.4
74	12.8	15.8	23.6#

NT



9/29/10

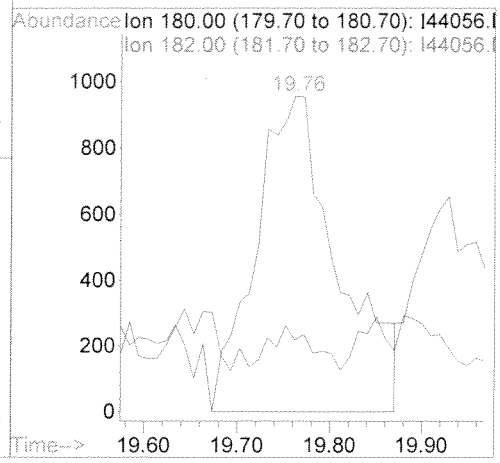
MT 9/29/10

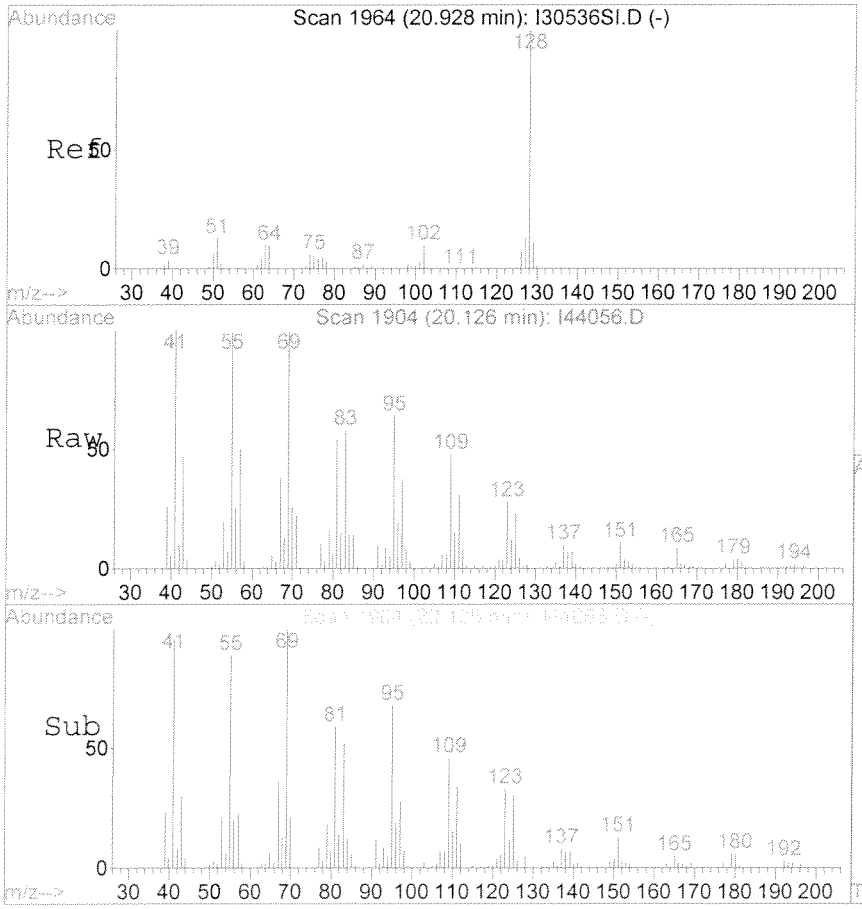


#94
1,2,4-Trichlorobenzene
Concen: 1.67 ug/L
RT: 19.76 min Scan# 1867
Delta R.T. 0.04 min
Lab File: I44056.D
Acq: 29 Sep 2010 4:23 am

Tgt Ion:180 Resp: 5924

Ion	Ratio	Lower	Upper
180	100		
182	3.2	79.3	119.3#

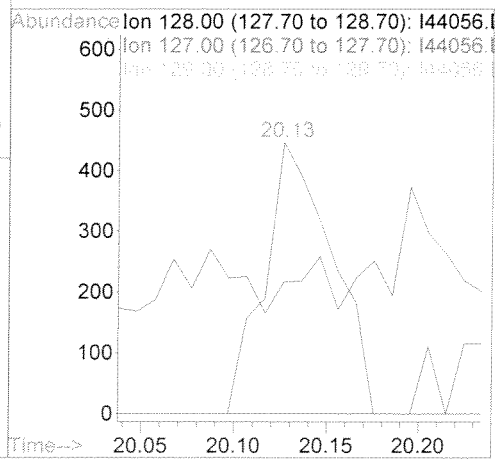




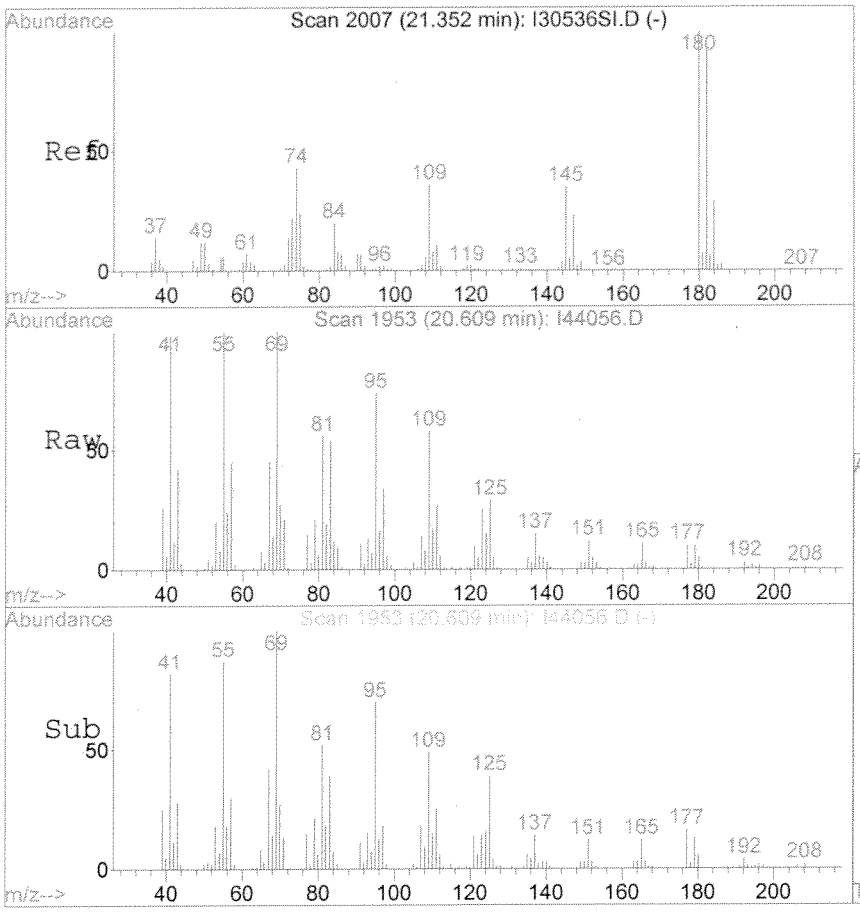
#96
Naphthalene
Concen: 0.94 ug/L
RT: 20.13 min Scan# 1904
Delta R.T. 0.01 min
Lab File: I44056.D
Acq: 29 Sep 2010 4:23 am

Tgt Ion:128 Resp: 1133

Ion	Ratio	Lower	Upper
128	100		
127	4.9	0.0	33.5
129	0.0	0.0	31.8



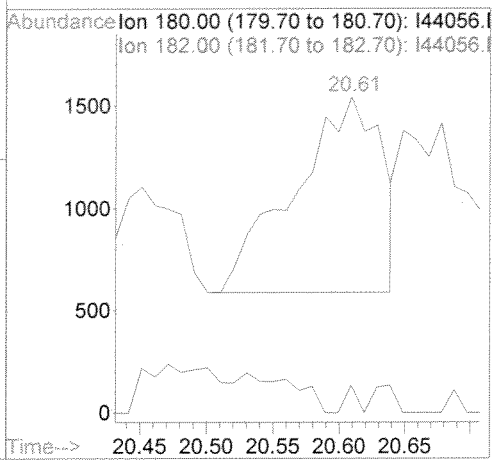
9/29/10



#97 MT 9/29/10
1,2,3-Trichlorobenzene
Concen: 1.40 ug/L
RT: 20.61 min Scan# 1953
Delta R.T. 0.07 min
Lab File: I44056.D
Acq: 29 Sep 2010 4:23 am

Tgt Ion:180 Resp: 4388

Ion	Ratio	Lower	Upper
180	100		
182	0.1	73.4	113.4#



5929W

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-16
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM3-SW-03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.2	U	1,1,2-Trichloroethane	2.2	U
Chloromethane	2.2	U	1,3-Dichloropropane	2.2	U
Vinyl Chloride	2.2	U	Tetrachloroethene	2.2	U
Bromomethane	2.2	U	2-Hexanone	11	U
Chloroethane	2.2	U	Dibromochloromethane	2.2	U
Trichlorofluoromethane	2.2	U	1,2-Dibromoethane	2.2	U
1,1-Dichloroethene	2.2	U	Chlorobenzene	2.2	U
Acetone	11	**30**	1,1,1,2-Tetrachloroethane	2.2	U
Methyl iodide	2.2	U	Ethylbenzene	2.2	U
Carbon Disulfide	2.2	U	o-Xylene	2.2	U
Methylene Chloride	11	**14**	m,p-Xylene	2.2	U
trans-1,2-Dichloroethene	2.2	U	Styrene	2.2	U
Methyl-tert-butyl ether (MTBE)	2.2	U	Bromoform	2.2	U
1,1-Dichloroethane	2.2	U	Isopropylbenzene	2.2	U
Vinyl acetate	5.6	U	1,1,2,2-Tetrachloroethane	2.2	U
Methyl ethyl ketone	11	U	Bromobenzene	2.2	U
cis-1,2-Dichloroethene	2.2	U	1,2,3-Trichloropropane	2.2	U
2,2-Dichloropropane	2.2	U	n-Propylbenzene	2.2	U
Bromochloromethane	2.2	U	2-Chlorotoluene	2.2	U
Chloroform	2.2	U	1,3,5-Trimethylbenzene	2.2	U
1,1,1-Trichloroethane	2.2	U	4-Chlorotoluene	2.2	U
1,1-Dichloropropene	2.2	U	tert-butylbenzene	2.2	U
Carbon Tetrachloride	2.2	U	1,2,4-Trimethylbenzene	2.2	U
1,2-Dichloroethane	2.2	U	sec-butylbenzene	2.2	U
Benzene	2.2	U	p-isopropyltoluene	2.2	U
Trichloroethene	2.2	U	1,3-Dichlorobenzene	2.2	U
1,2-Dichloropropane	2.2	U	1,4-Dichlorobenzene	2.2	U
Dibromomethane	2.2	U	n-butylbenzene	2.2	U
Bromodichloromethane	2.2	U	1,2-Dichlorobenzene	2.2	U
cis-1,3-Dichloropropene	2.2	U	1,2-Dibromo-3-chloropropane	2.2	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.2	U
Toluene	2.2	U	Hexachlorobutadiene	2.2	U
trans-1,3-Dichloropropene	2.2	U	Naphthalene	2.2	U
			1,2,3-Trichlorobenzene	2.2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	103	%	d8-Toluene	99	%	Bromofluorobenzen	100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44055.D Vial: 44
Acq On : 29 Sep 2010 3:54 am Operator: MT
Sample : 67834-16 Inst : Instrumen
Misc : ,4.73,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF= (5)/(4.73)(.9477) = 1.1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	111620	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	7.95	114	208570 ✓	20.00	ug/L	0.03
63) *d5-Chlorobenzene	12.57	117	177659	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.40	152	75954	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.31	65	98050	20.56	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.80% ✓			
36) d4-1,2-Dichloroethane	7.31	65	98050	20.56	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.80% ✓			
54) d8-Toluene	10.25	98	222374	19.84	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.20% ✓			
73) Bromofluorobenzene	14.51	95	90662	19.98	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.90% ✓			

Target Compounds						Qvalue
12) Acetone	3.04	43	34476	✓26.45	ug/L	99
16) Methylene Chloride	3.85	84	59105	✓12.39	ug/L	95
MT 43) Methyl acetate	3.66	43	4531	MT 1.42	ug/L #	89
~~96)~~ Naphthalene	20.13	128	843	~~-0.90~~	ug/L	68

9/29/10

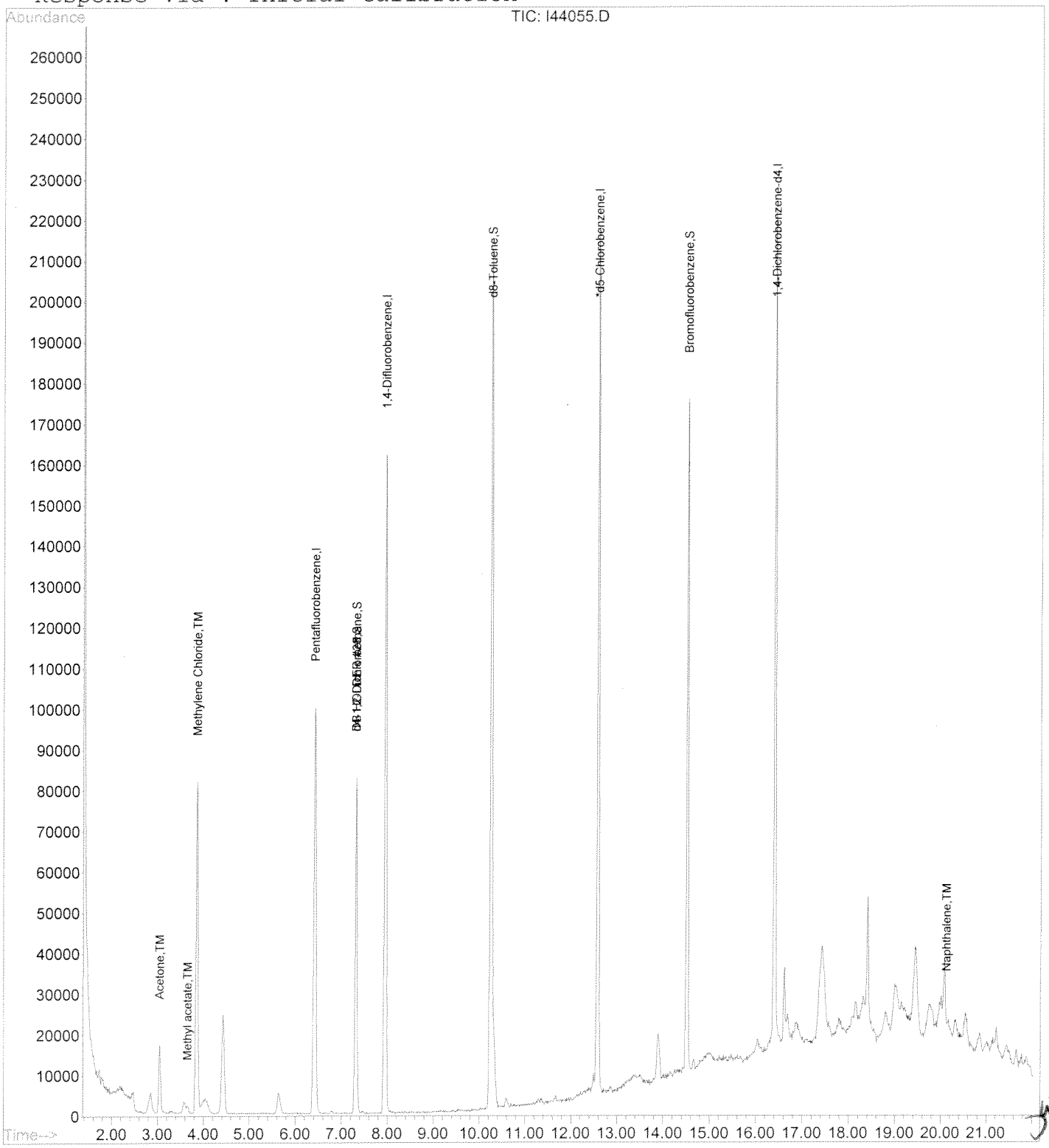
(#) = qualifier out of range (m) = manual integration
I44055.D VS09270I.M Wed Sep 29 07:12:19 2010 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44055.D Vial: 44
Acq On : 29 Sep 2010 3:54 am Operator: MT
Sample : 67834-16 Inst : Instrumen
Misc : ,4.73,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010 Quant Results File: VS09270I.RES

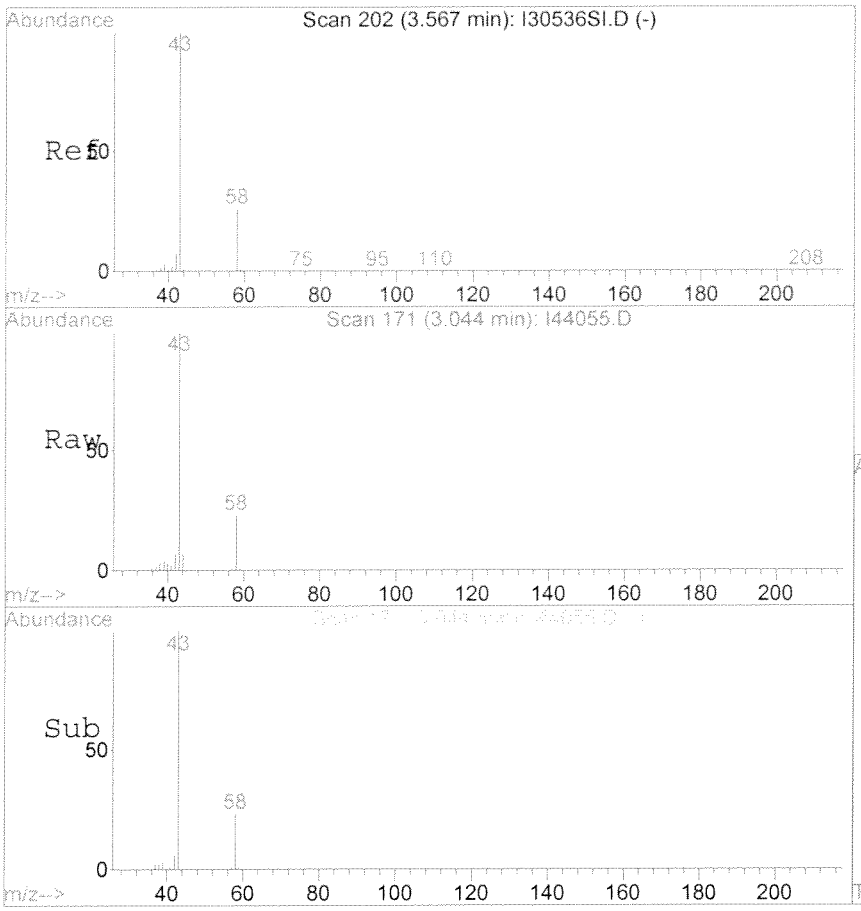
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



9/29/10

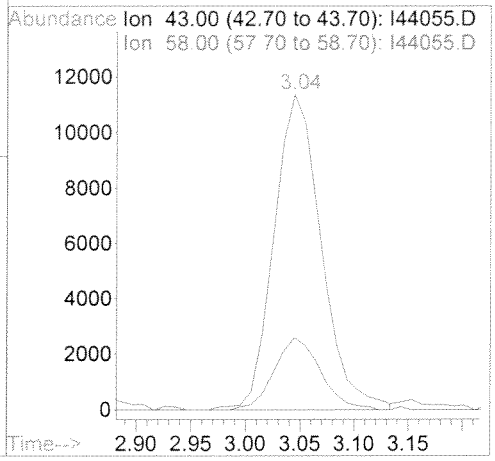
MT 9/29/10

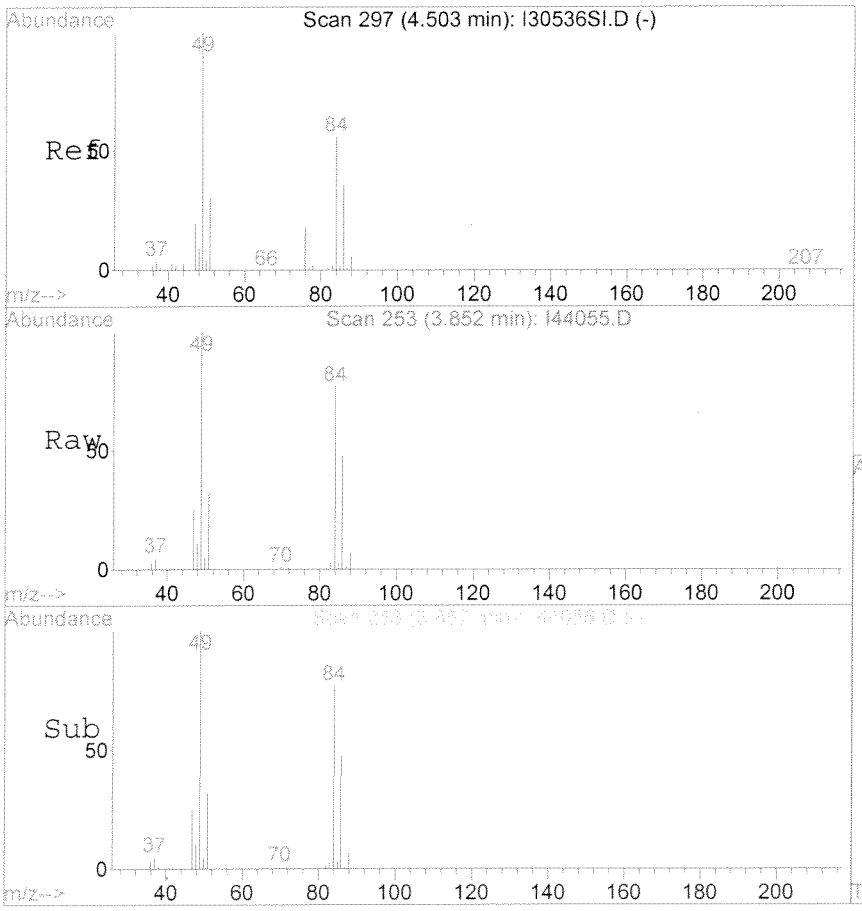


#12
Acetone
Concen: 26.45 ug/L
RT: 3.04 min Scan# 171
Delta R.T. 0.02 min
Lab File: I44055.D
Acq: 29 Sep 2010 3:54 am

Tgt Ion: 43 Resp: 34476

Ion	Ratio	Lower	Upper
43	100		
58	22.2	18.3	27.5

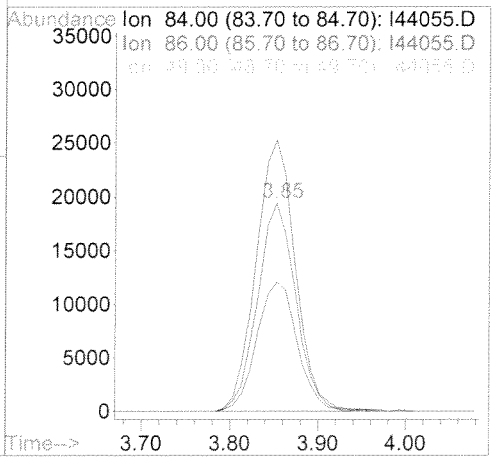




#16
Methylene Chloride
Concen: 12.39 ug/L
RT: 3.85 min Scan# 253
Delta R.T. 0.03 min
Lab File: I44055.D
Acq: 29 Sep 2010 3:54 am

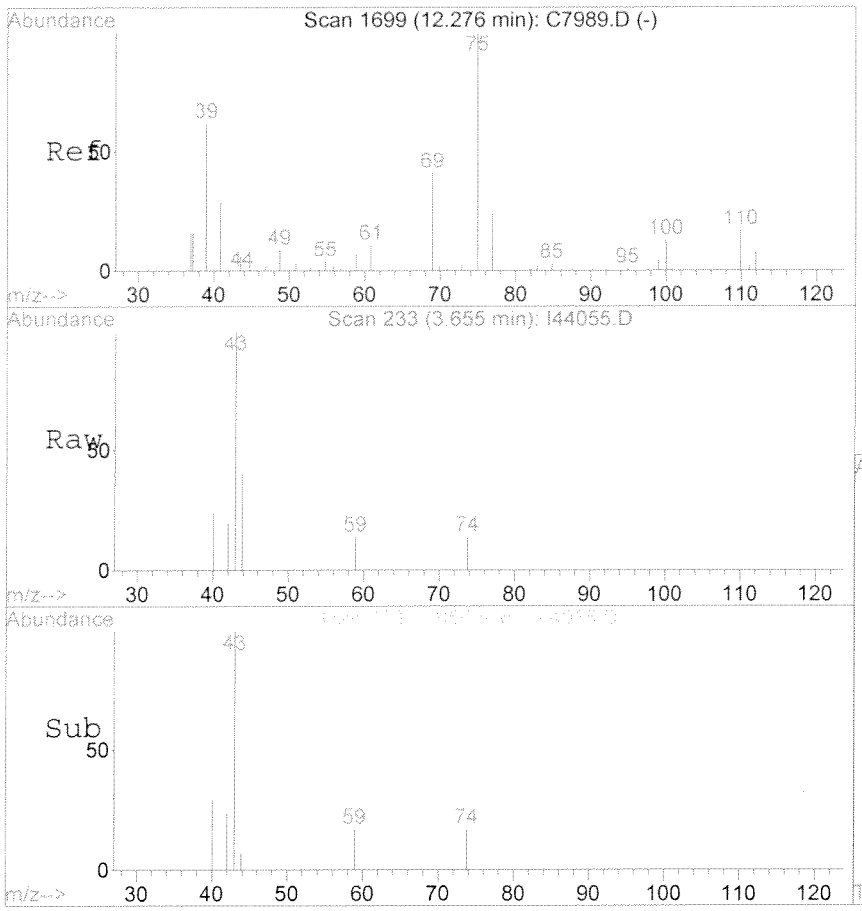
Tgt Ion: 84 Resp: 59105

Ion	Ratio	Lower	Upper
84	100		
86	62.3	45.8	85.8
49	130.2	116.6	156.6



D92910

MT 9/29/10

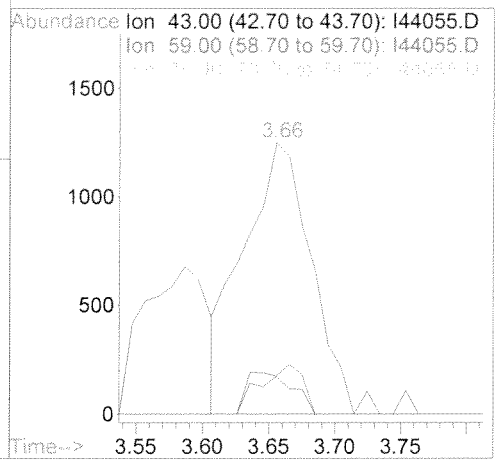


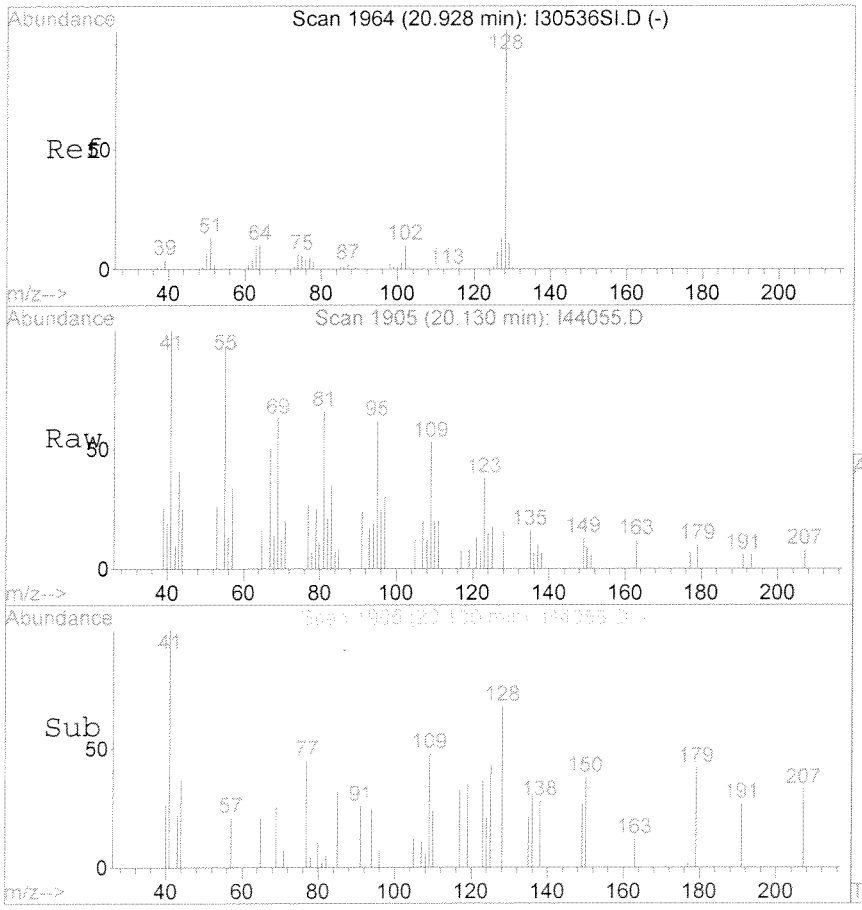
#43
Methyl acetate
Concen: 1.42 ug/L
RT: 3.66 min Scan# 233
Delta R.T. 0.02 min
Lab File: I44055.D
Acq: 29 Sep 2010 3:54 am

Tgt Ion: 43 Resp: 4531

Ion	Ratio	Lower	Upper
43	100		
59	8.7	7.6	11.4
74	12.6	15.8	23.6#

MT



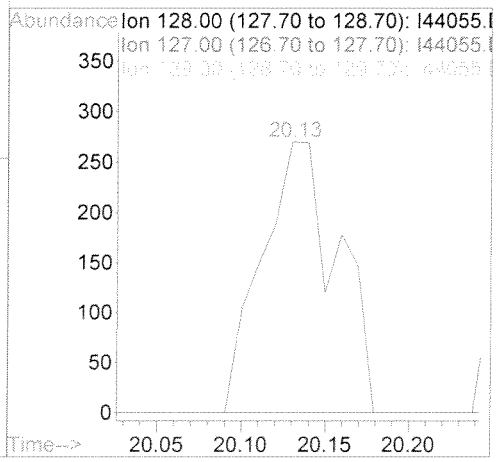


#96
Naphthalene
Concen: 0.90 ug/L
RT: 20.13 min Scan# 1905
Delta R.T. 0.01 min
Lab File: I44055.D
Acq: 29 Sep 2010 3:54 am

Tgt Ion:128 Resp: 843

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8

X



9/29/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-17
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM3-B-5

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.1	U	1,1,2-Trichloroethane	2.1	U
Chloromethane	2.1	U	1,3-Dichloropropane	2.1	U
Vinyl Chloride	2.1	U	Tetrachloroethene	2.1	U
Bromomethane	2.1	U	2-Hexanone	11	U
Chloroethane	2.1	U	Dibromochloromethane	2.1	U
Trichlorofluoromethane	2.1	U	1,2-Dibromoethane	2.1	U
1,1-Dichloroethene	2.1	U	Chlorobenzene	2.1	U
Acetone	11	**30**	1,1,1,2-Tetrachloroethane	2.1	U
Methyl iodide	2.1	U	Ethylbenzene	2.1	U
Carbon Disulfide	2.1	U	o-Xylene	2.1	U
Methylene Chloride	11	**13**	m,p-Xylene	2.1	U
trans-1,2-Dichloroethene	2.1	U	Styrene	2.1	U
Methyl-tert-butyl ether (MTBE)	2.1	U	Bromoform	2.1	U
1,1-Dichloroethane	2.1	U	Isopropylbenzene	2.1	U
Vinyl acetate	5.3	U	1,1,2,2-Tetrachloroethane	2.1	U
Methyl ethyl ketone	11	U	Bromobenzene	2.1	U
cis-1,2-Dichloroethene	2.1	U	1,2,3-Trichloropropane	2.1	U
2,2-Dichloropropane	2.1	U	n-Propylbenzene	2.1	U
Bromochloromethane	2.1	U	2-Chlorotoluene	2.1	U
Chloroform	2.1	U	1,3,5-Trimethylbenzene	2.1	U
1,1,1-Trichloroethane	2.1	U	4-Chlorotoluene	2.1	U
1,1-Dichloropropene	2.1	U	tert-butylbenzene	2.1	U
Carbon Tetrachloride	2.1	U	1,2,4-Trimethylbenzene	2.1	U
1,2-Dichloroethane	2.1	U	sec-butylbenzene	2.1	U
Benzene	2.1	U	p-isopropyltoluene	2.1	U
Trichloroethene	2.1	U	1,3-Dichlorobenzene	2.1	U
1,2-Dichloropropane	2.1	U	1,4-Dichlorobenzene	2.1	U
Dibromomethane	2.1	U	n-butylbenzene	2.1	U
Bromodichloromethane	2.1	U	1,2-Dichlorobenzene	2.1	U
cis-1,3-Dichloropropene	2.1	U	1,2-Dibromo-3-chloropropane	2.1	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.1	U
Toluene	2.1	U	Hexachlorobutadiene	2.1	U
trans-1,3-Dichloropropene	2.1	U	Naphthalene	2.1	U
			1,2,3-Trichlorobenzene	2.1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	106 %	d8-Toluene	102 %	Bromofluorobenzen	101 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44054.D Vial: 43
Acq On : 29 Sep 2010 3:26 am Operator: MT
Sample : 67834-17 Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5)/(5.002)(.9354) = 1.1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	102423	20.00 ug/L	0.02
39) 1,4-Difluorobenzene	7.95	114	196942	20.00 ug/L	0.02
63) *d5-Chlorobenzene	12.58	117	169557	20.00 ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.39	152	73889	20.00 ug/L	0.01

System Monitoring Compounds					
28) DB HOLDER #28	7.32	65	92409	21.11 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	105.55%	
36) d4-1,2-Dichloroethane	7.32	65	92409	21.11 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	105.55%	
54) d8-Toluene	10.25	98	215142	20.32 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.60%	
73) Bromofluorobenzene	14.51	95	87476	20.20 ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.00%	

Target Compounds					Qvalue
12) Acetone	3.05	43	33112	27.69 ug/L	98
16) Methylene Chloride	3.85	84	54104	12.35 ug/L	93
43) Methyl acetate	3.66	43	3595	MT 1.19 ug/L #	91
~~96) Naphthalene~~	20.13	128	494	~~0.85~~ ug/L #	33

092910

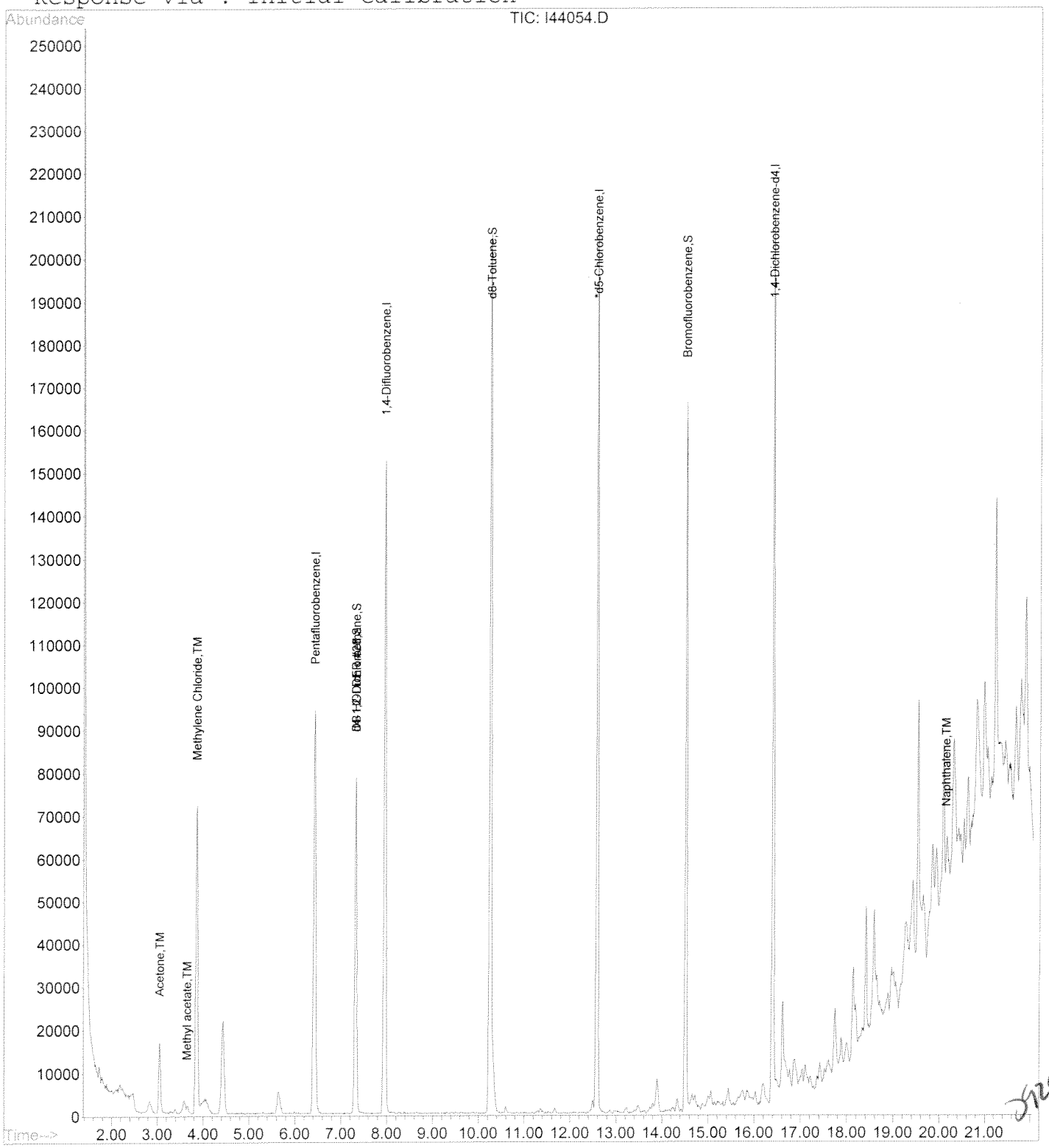
(#) = qualifier out of range (m) = manual integration
I44054.D VS09270I.M Wed Sep 29 07:12:18 2010 Page 1

Quantitation Report

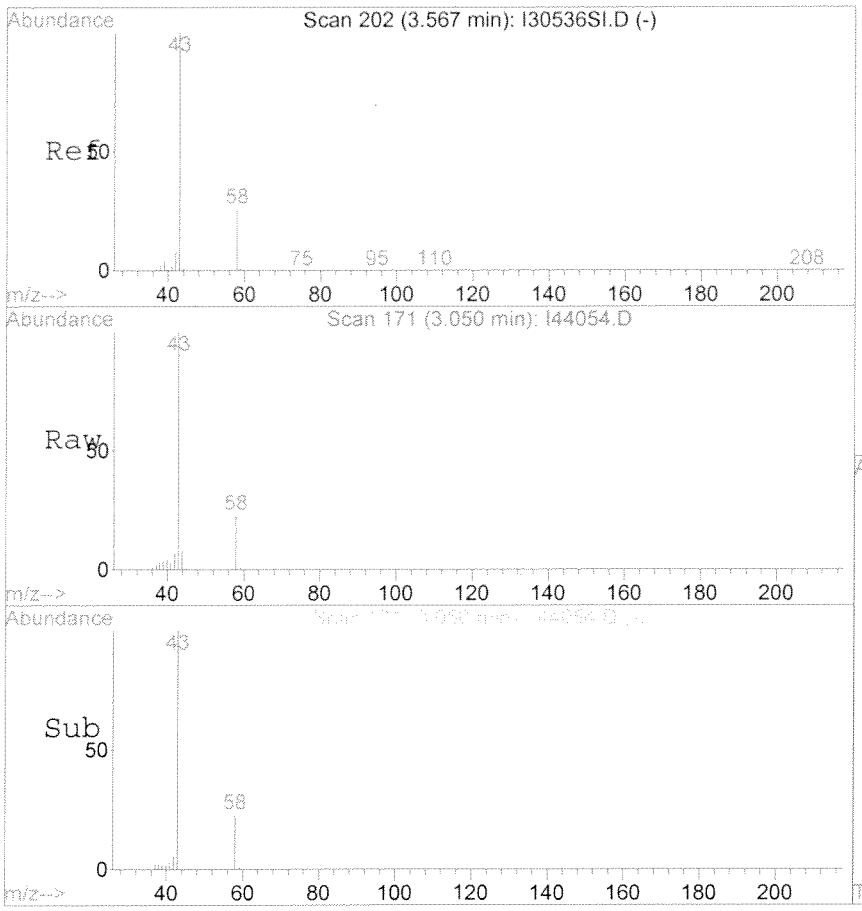
Data File : C:\HPCHEM\1\DATA\092810-I\I44054.D Vial: 43
Acq On : 29 Sep 2010 3:26 am Operator: MT
Sample : 67834-17 Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



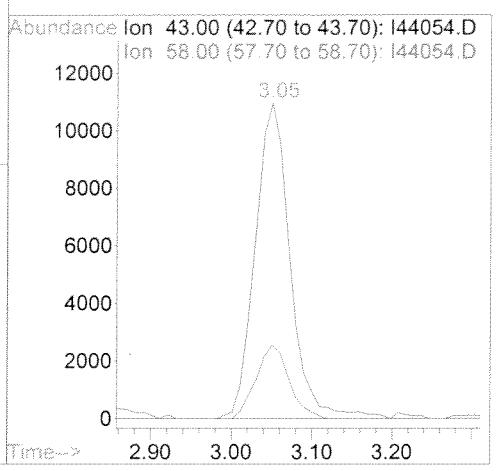
9/29/10

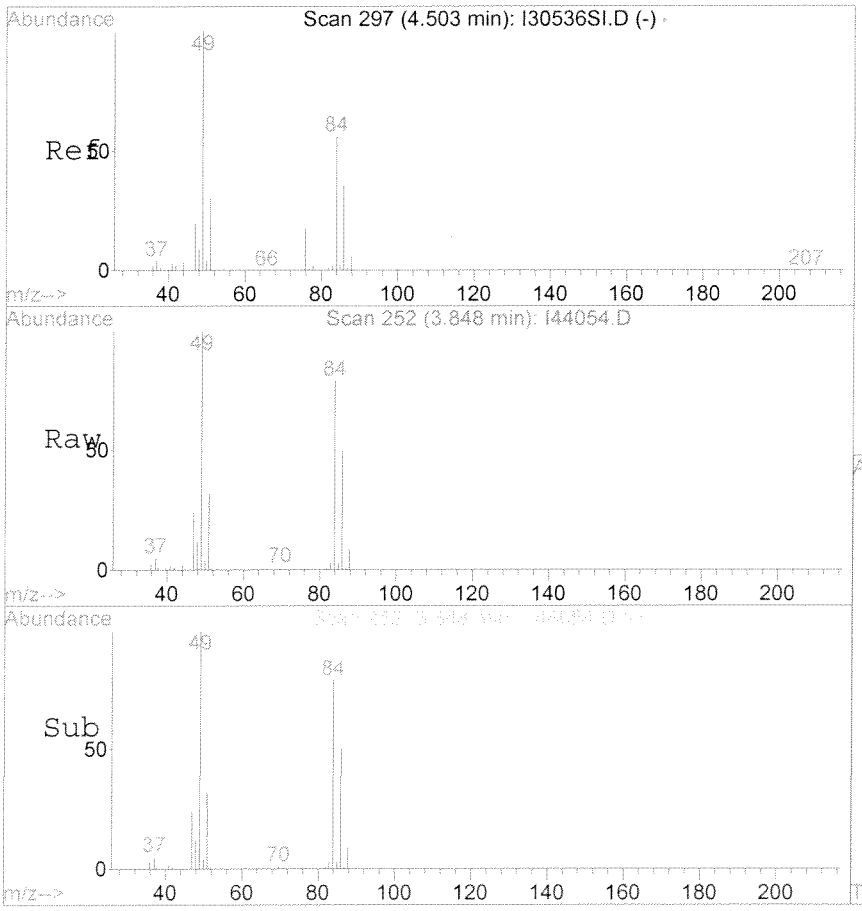


#12 MT 9/29/10
Acetone
Concen: 27.69 ug/L
RT: 3.05 min Scan# 171
Delta R.T. 0.03 min
Lab File: I44054.D
Acq: 29 Sep 2010 3:26 am

Tgt Ion: 43 Resp: 33112

Ion	Ratio	Lower	Upper
43	100		
58	22.0	18.3	27.5

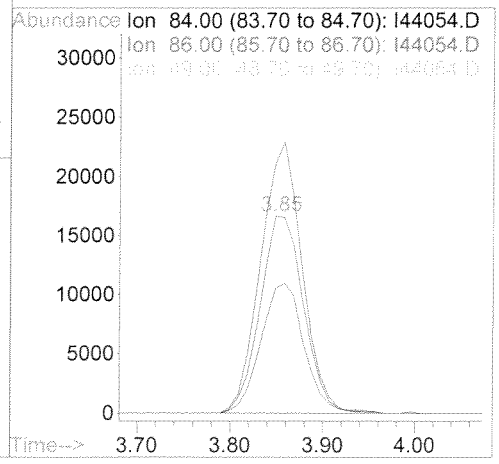




#16
Methylene Chloride
Concen: 12.35 ug/L
RT: 3.85 min Scan# 252
Delta R.T. 0.03 min
Lab File: I44054.D
Acq: 29 Sep 2010 3:26 am

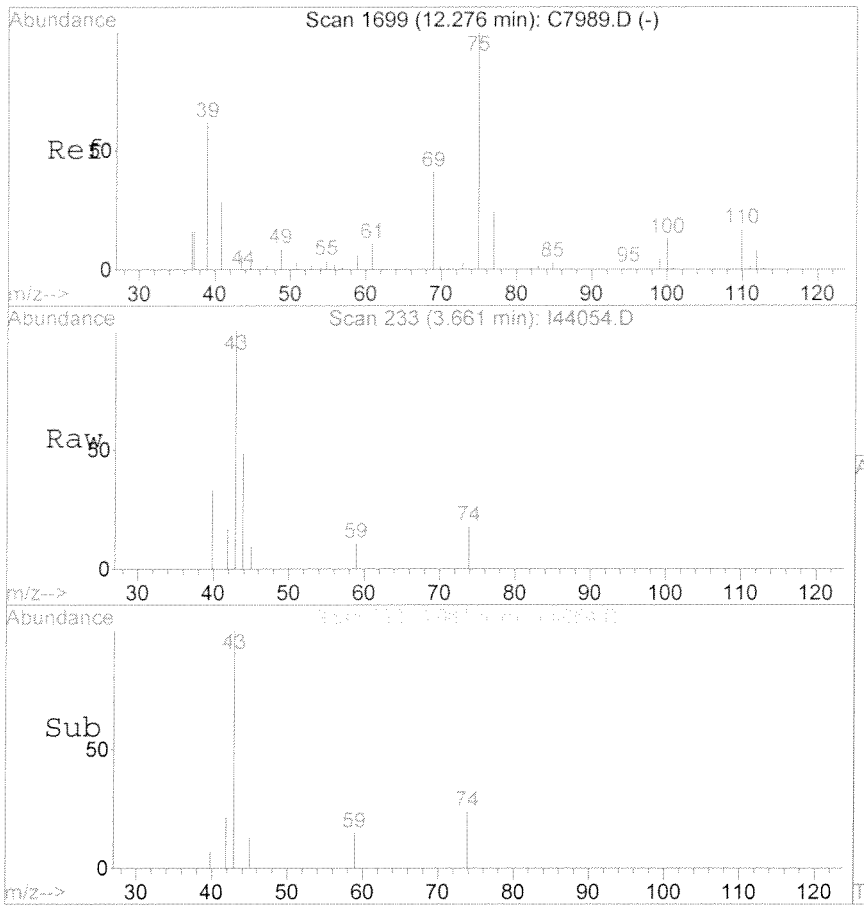
Tgt Ion: 84 Resp: 54104

Ion	Ratio	Lower	Upper
84	100		
86	63.0	45.8	85.8
49	126.9	116.6	156.6



092910

MT 9/29/10

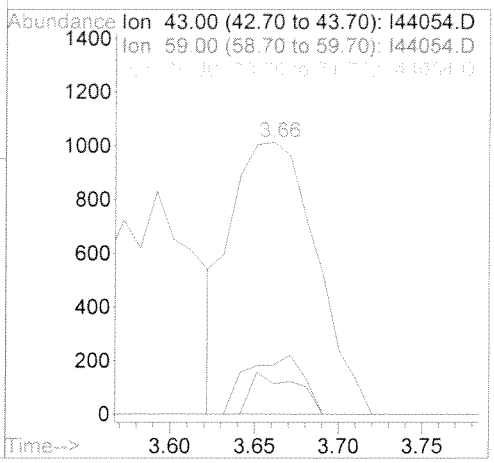


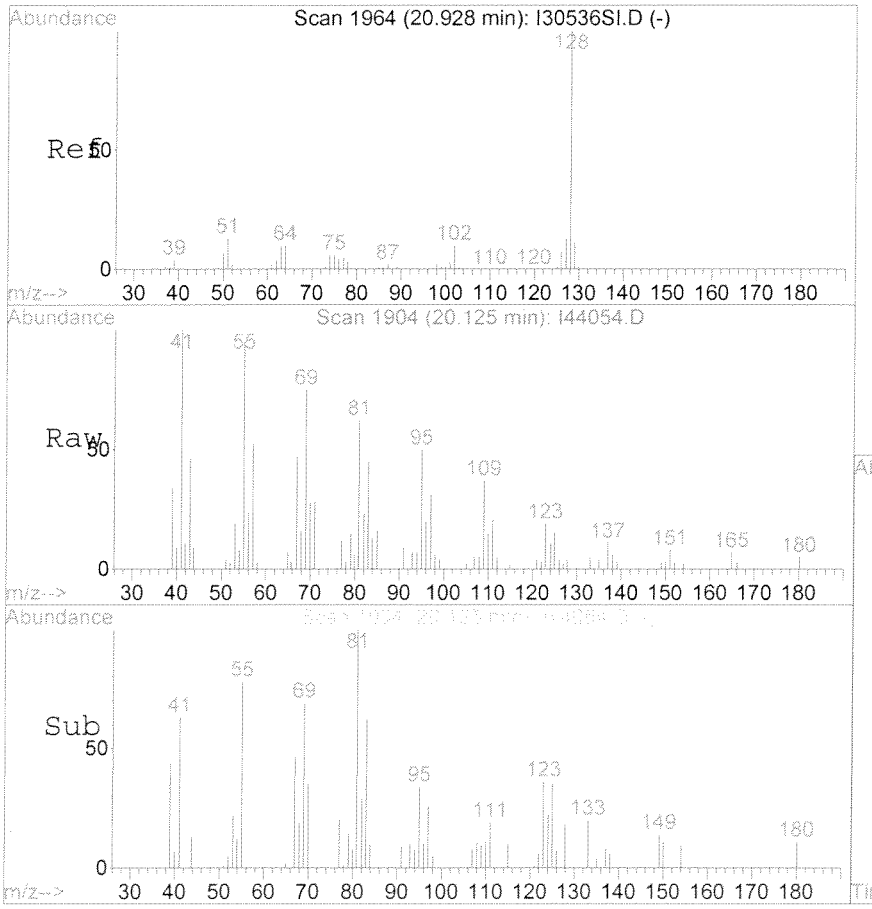
#43
Methyl acetate
Concen: 1.19 ug/L
RT: 3.66 min Scan# 233
Delta R.T. 0.02 min
Lab File: I44054.D
Acq: 29 Sep 2010 3:26 am

Tgt Ion: 43 Resp: 3595

Ion	Ratio	Lower	Upper
43	100		
59	8.2	7.6	11.4
74	14.4	15.8	23.6#

MT



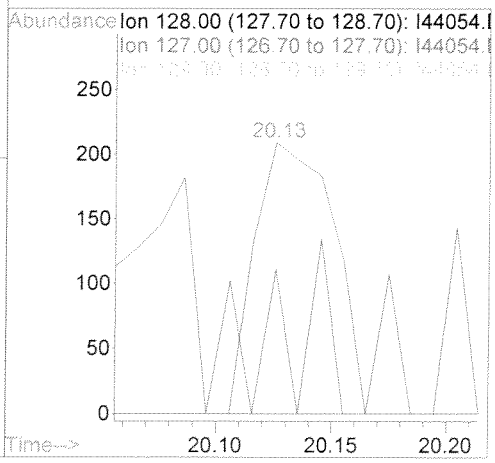


#96
Naphthalene
Concen: 0.85 ug/L
RT: 20.13 min Scan# 1904
Delta R.T. 0.01 min
Lab File: I44054.D
Acq: 29 Sep 2010 3:26 am

Tgt Ion:128 Resp: 494

Ion	Ratio	Lower	Upper
128	100		
127	53.1	0.0	33.5#
129	0.0	0.0	31.8

X



9/29/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67834-18
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/29/10

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY
Project Number: CT048
Field Sample ID: C-B82-GTM3-SW-04

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.2	U	1,1,2-Trichloroethane	2.2	U
Chloromethane	2.2	U	1,3-Dichloropropane	2.2	U
Vinyl Chloride	2.2	U	Tetrachloroethene	2.2	U
Bromomethane	2.2	U	2-Hexanone	11	U
Chloroethane	2.2	U	Dibromochloromethane	2.2	U
Trichlorofluoromethane	2.2	U	1,2-Dibromoethane	2.2	U
1,1-Dichloroethene	2.2	U	Chlorobenzene	2.2	U
Acetone	11	**25**	1,1,1,2-Tetrachloroethane	2.2	U
Methyl iodide	2.2	U	Ethylbenzene	2.2	U
Carbon Disulfide	2.2	U	o-Xylene	2.2	U
Methylene Chloride	11	**14**	m,p-Xylene	2.2	U
trans-1,2-Dichloroethene	2.2	U	Styrene	2.2	U
Methyl-tert-butyl ether (MTBE)	2.2	U	Bromoform	2.2	U
1,1-Dichloroethane	2.2	U	Isopropylbenzene	2.2	U
Vinyl acetate	5.5	U	1,1,2,2-Tetrachloroethane	2.2	U
Methyl ethyl ketone	11	U	Bromobenzene	2.2	U
cis-1,2-Dichloroethene	2.2	U	1,2,3-Trichloropropane	2.2	U
2,2-Dichloropropane	2.2	U	n-Propylbenzene	2.2	U
Bromochloromethane	2.2	U	2-Chlorotoluene	2.2	U
Chloroform	2.2	U	1,3,5-Trimethylbenzene	2.2	U
1,1,1-Trichloroethane	2.2	U	4-Chlorotoluene	2.2	U
1,1-Dichloropropene	2.2	U	tert-butylbenzene	2.2	U
Carbon Tetrachloride	2.2	U	1,2,4-Trimethylbenzene	2.2	U
1,2-Dichloroethane	2.2	U	sec-butylbenzene	2.2	U
Benzene	2.2	U	p-isopropyltoluene	2.2	U
Trichloroethene	2.2	U	1,3-Dichlorobenzene	2.2	U
1,2-Dichloropropane	2.2	U	1,4-Dichlorobenzene	2.2	U
Dibromomethane	2.2	U	n-butylbenzene	2.2	U
Bromodichloromethane	2.2	U	1,2-Dichlorobenzene	2.2	U
cis-1,3-Dichloropropene	2.2	U	1,2-Dibromo-3-chloropropane	2.2	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.2	U
Toluene	2.2	U	Hexachlorobutadiene	2.2	U
trans-1,3-Dichloropropene	2.2	U	Naphthalene	2.2	U
			1,2,3-Trichlorobenzene	2.2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	104 %	d8-Toluene	102 %	Bromofluorobenzen	102 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44057.D Vial: 46
Acq On : 29 Sep 2010 4:51 am Operator: MT
Sample : 67834-18 Inst : Instrumen
Misc : ,4.81,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5)/(4.84)(.9388) = 1.1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	110676	20.00 ug/L	0.03
39) 1,4-Difluorobenzene	7.95	114	207318	20.00 ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	181595 ✓	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.39	152	75864	20.00 ug/L	0.02

System Monitoring Compounds					
28) DB HOLDER #28	7.32	65	98227	20.77 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	103.85% ✓	
36) d4-1,2-Dichloroethane	7.32	65	98227	20.77 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	103.85% ✓	
54) d8-Toluene	10.24	98	226754	20.35 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.75% ✓	
73) Bromofluorobenzene	14.51	95	94142	20.30 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.50% ✓	

Target Compounds					Qvalue
12) Acetone	3.05	43	29703 ✓	22.98 ug/L	98
16) Methylene Chloride	3.85	84	59392 ✓	12.64 ug/L	98
M 43) Methyl acetate	3.65	43	5140 M	1.62 ug/L	97
~~96)~~ Naphthalene	20.14	128	618	~~0.87~~ ug/L	68

9/29/10

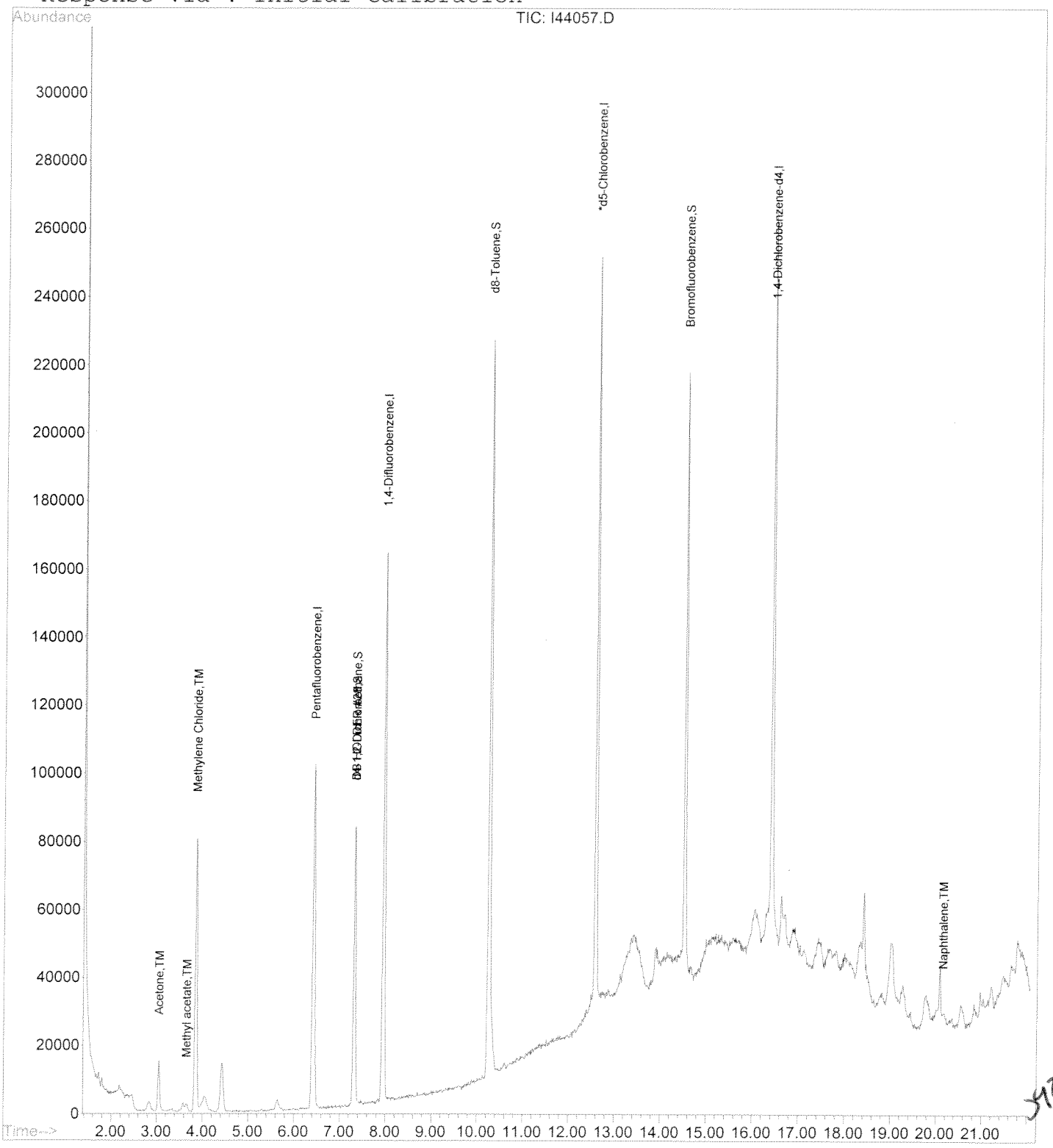
(#) = qualifier out of range (m) = manual integration
I44057.D VS09270I.M Wed Sep 29 07:12:20 2010 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44057.D Vial: 46
Acq On : 29 Sep 2010 4:51 am Operator: MT
Sample : 67834-18 Inst : Instrumen
Misc : ,4.81,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010 Quant Results File: VS09270I.RES

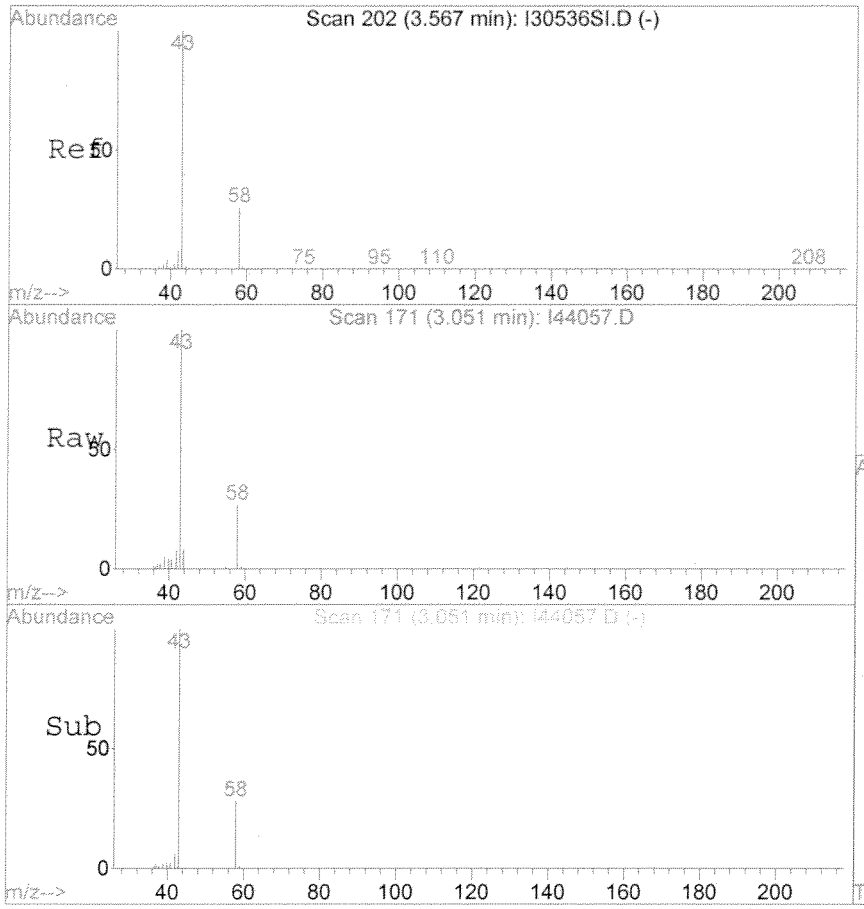
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



5129W

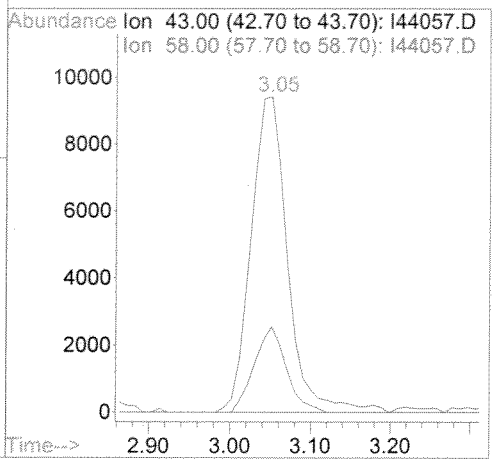
MT 9/29/10

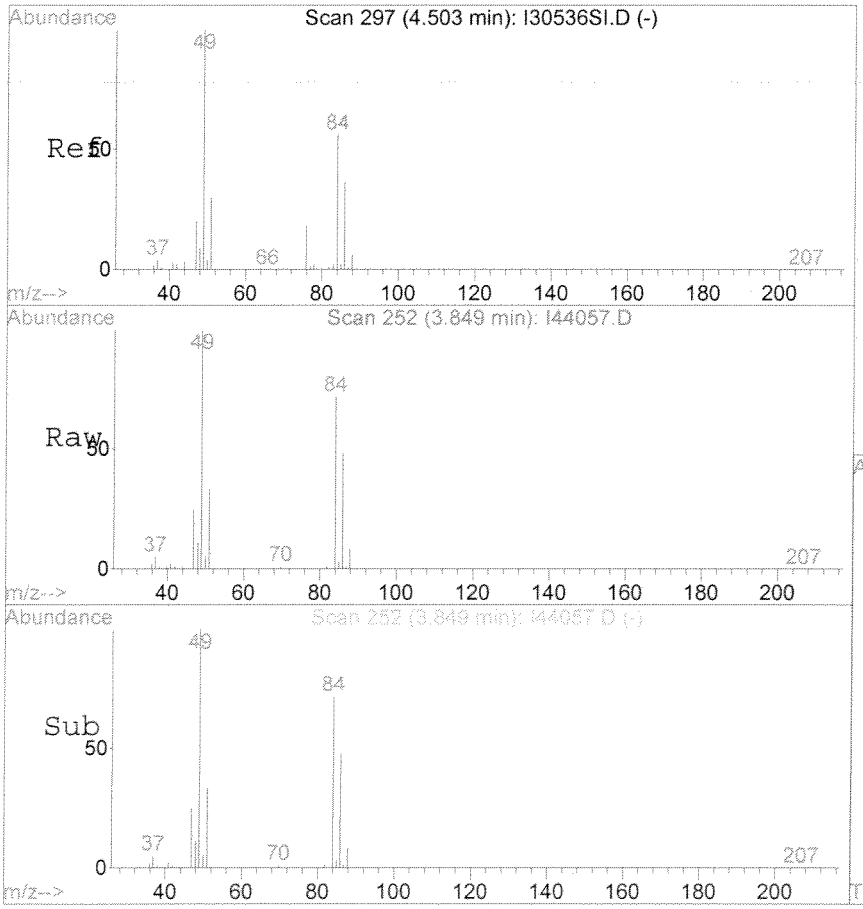


#12
Acetone
Concen: 22.98 ug/L
RT: 3.05 min Scan# 171
Delta R.T. 0.03 min
Lab File: I44057.D
Acq: 29 Sep 2010 4:51 am

Tgt Ion: 43 Resp: 29703

Ion	Ratio	Lower	Upper
43	100		
58	23.7	18.3	27.5

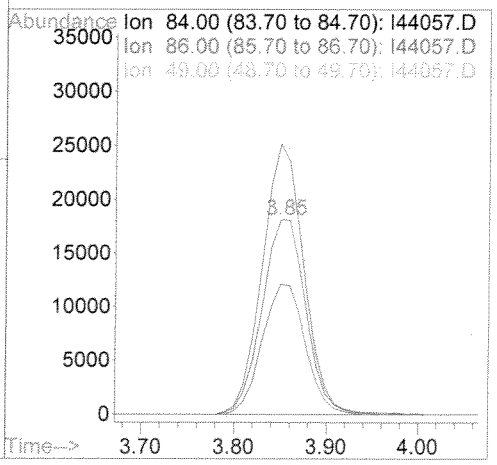




#16
Methylene Chloride
Concen: 12.64 ug/L
RT: 3.85 min Scan# 252
Delta R.T. 0.03 min
Lab File: I44057.D
Acq: 29 Sep 2010 4:51 am

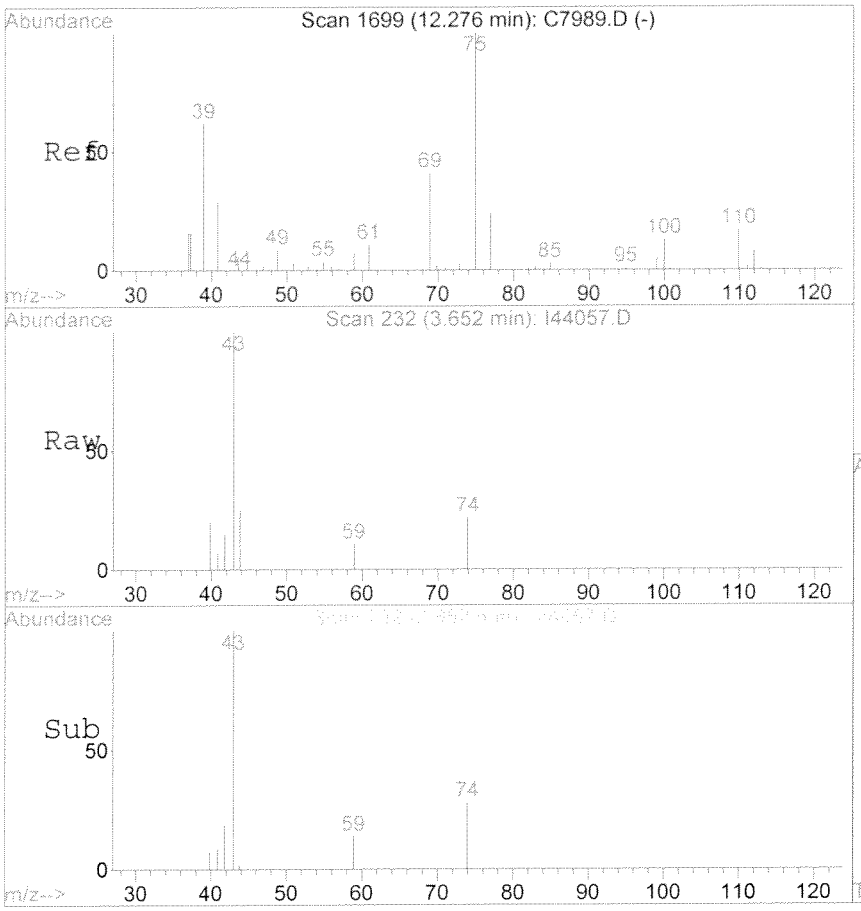
Tgt Ion: 84 Resp: 59392

Ion	Ratio	Lower	Upper
84	100		
86	66.8	45.8	85.8
49	139.0	116.6	156.6



9/29/10

MT 9/29/10

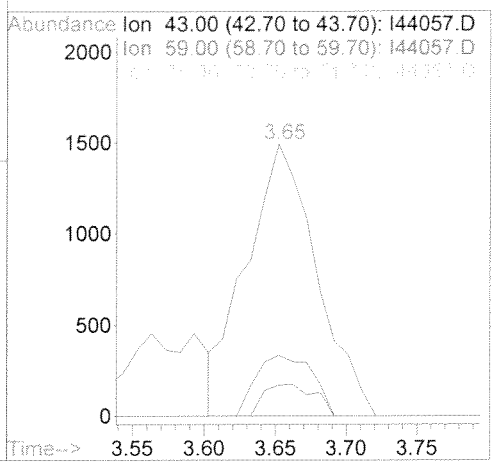


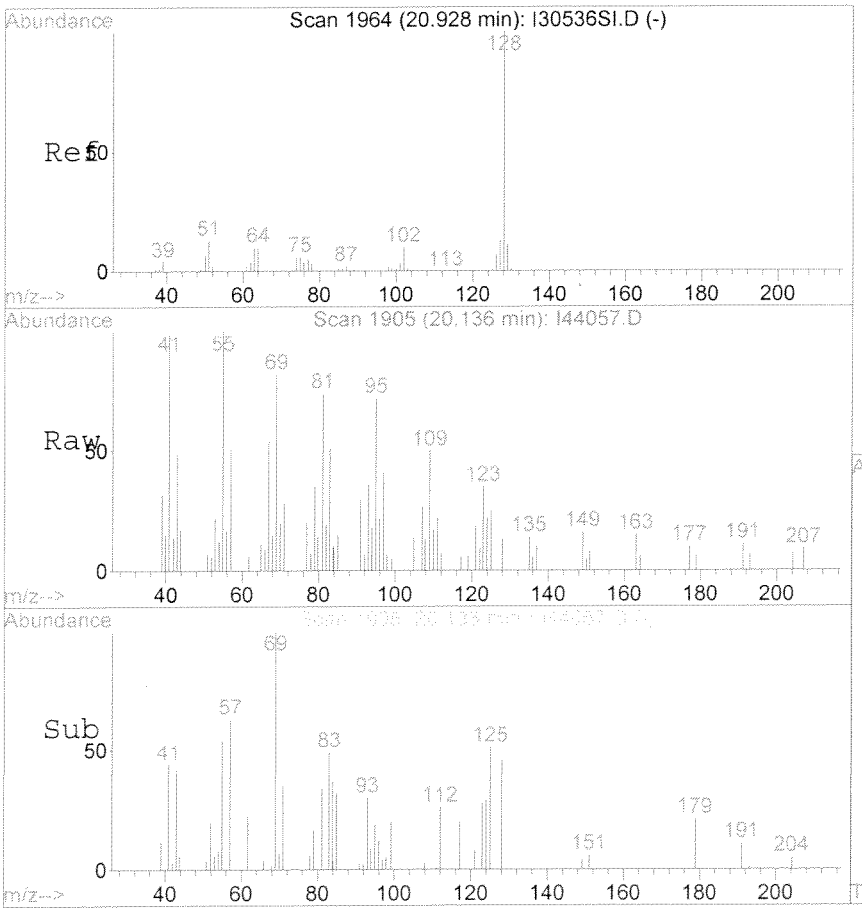
#43
Methyl acetate
Concen: 1.62 ug/L
RT: 3.65 min Scan# 232
Delta R.T. 0.02 min
Lab File: I44057.D
Acq: 29 Sep 2010 4:51 am

Tgt Ion: 43 Resp: 5140

Ion	Ratio	Lower	Upper
43	100		
59	8.5	7.6	11.4
74	18.0	15.8	23.6

MT



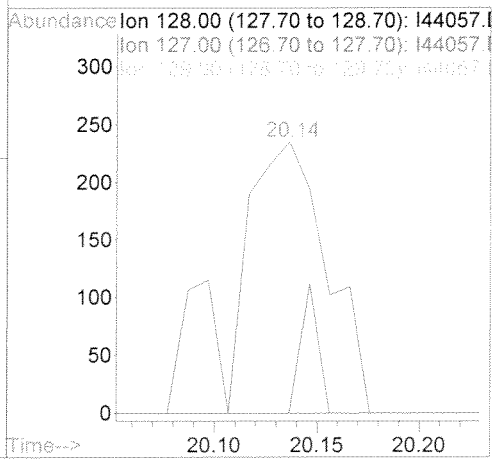


#96
Naphthalene
Concen: 0.87 ug/L
RT: 20.14 min Scan# 1905
Delta R.T. 0.02 min
Lab File: I44057.D
Acq: 29 Sep 2010 4:51 am

Tgt Ion:128 Resp: 618

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8

X



9/29/10

VOLATILE
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:VOCQC.doc

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67834

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	103		101		101	
LL09280I	101		100		101	
LL09280I2	101		100		99	
LB09280I	101		100		100	
67834-10	105		100		101	
67834-11	103		100		101	
67834-12	106		101		103	
67834-1	104		103		101	
67834-2	105		100		97	
67834-3	106		103		102	
67834-4	105		100		102	
67834-5	108		101		113	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67834

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	102		100		99	
LL09280I3	101		98		99	
LL09280I4	99		101		98	
LB09280I2	101		100		99	
67834-7	101		100		105	
67834-8	106		99		100	
67834-13	104		102		100	
67834-14	105		100		101	
67834-17	106		102		101	
67834-16	103		99		100	
67834-15	105		100		104	
67834-18	104		102		102	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

MT 9/29/10

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: LB09280I
Spike: LL09280I
Spike duplicate: LL09280I2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	20	75	125	25	0.0	21	104		21	105		1	
Chloromethane	20	20	75	125	25	0.0	20	100		20	99		1	
Vinyl Chloride	20	20	75	125	25	0.0	21	104		21	104		0	
Bromomethane	20	20	75	125	25	0.0	22	110		23	113		3	
Chloroethane	20	20	75	125	25	0.0	22	110		22	109		1	
t-Butyl alcohol (TBA)	100	100	75	125	25	0.0	87	87		84	84		3	
Trichlorofluoromethane	20	20	75	125	25	0.0	19	96		19	95		1	
Diethyl ether	20	20	75	125	25	0.0	21	104		22	111		7	
1,1,2-Trichlorotrifluoroethane	20	20	75	125	25	0.0	21	103		21	105		1	
Acetone	100	100	75	125	25	0.0	109	109		110	110		1	
1,1-Dichloroethene	20	20	75	125	25	0.0	21	104		22	108		3	
Methyl iodide	20	20	75	125	25	0.0	26	128	*M	27	133	*M	4	
Di-isopropyl ether (DIPE)	20	20	75	125	25	0.0	20	99		20	102		3	
Methylene Chloride	20	20	75	125	25	0.0	19	95		19	96		1	
Carbon Disulfide	20	20	75	125	25	0.0	22	112		23	114		2	
Methyl-tert-butyl ether (MTBE)	40	40	75	125	25	0.0	39	99		42	104		5	
trans-1,2-Dichloroethene	20	20	75	125	25	0.0	20	102		21	107		5	
1,1-Dichloroethane	20	20	75	125	25	0.0	20	100		21	107		7	
Vinyl acetate	20	20	75	125	25	0.0	14	71	*M	15	74	*M	5	
Methyl ethyl ketone	100	100	75	125	25	0.0	102	102		102	102		0	
Ethyl t-butyl ether (ETBE)	20	20	75	125	25	0.0	20	98		20	102		5	
2,2-Dichloropropane	20	20	75	125	25	0.0	21	107		22	111		4	
cis-1,2-Dichloroethene	20	20	75	125	25	0.0	21	104		22	109		5	
t-Amyl methyl ether (TAME)	20	20	75	125	25	0.0	20	99		20	102		4	
Chloroform	20	20	75	125	25	0.0	21	104		22	108		4	
Bromochloromethane	20	20	75	125	25	0.0	21	105		22	109		3	
Tetrahydrofuran	20	20	75	125	25	0.0	21	103		20	99		4	
1,1,1-Trichloroethane	20	20	75	125	25	0.0	21	107		22	111		3	
1,1-Dichloropropene	20	20	75	125	25	0.0	21	105		22	108		3	
Carbon Tetrachloride	20	20	75	125	25	0.0	22	108		22	111		3	
1,2-Dichloroethane	20	20	75	125	25	0.0	20	102		21	107		5	
Benzene	20	20	75	125	25	0.0	20	100		21	105		5	
Trichloroethene	20	20	75	125	25	0.0	20	101		21	107		5	
1,2-Dichloropropane	20	20	75	125	25	0.0	20	98		21	103		5	
Methylmethacrylate	20	20	75	125	25	0.0	20	100		21	104		4	
Methyl acetate	20	20	75	125	25	0.0	21	105		21	103		1	
Cyclohexane	20	20	75	125	25	0.0	19	93		16	82		13	
Bromodichloromethane	20	20	75	125	25	0.0	20	98		21	104		6	
Dibromomethane	20	20	75	125	25	0.0	19	95		20	102		7	
1,4-Dioxane	500	500	75	125	25	0.0	451	90		464	93		3	
Methylcyclohexane	20	20	75	125	25	0.0	22	110		21	107		3	
2-Hexanone	100	100	75	125	25	0.0	100	100		101	101		1	
Methyl isobutyl ketone	100	100	75	125	25	0.0	96	96		98	98		3	
cis-1,3-Dichloropropene	20	20	75	125	25	0.0	20	101		22	108		6	
Toluene	20	20	75	125	25	0.0	20	101		21	105		4	
trans-1,3-Dichloropropene	20	20	75	125	25	0.0	19	94		19	97		3	
1,1,2-Trichloroethane	20	20	75	125	25	0.0	20	100		21	106		6	
1,3-Dichloropropane	20	20	75	125	25	0.0	20	101		21	106		5	
Tetrachloroethene	20	20	75	125	25	0.0	23	117 ✓		25	126	*M	7	
Dibromochloromethane	20	20	75	125	25	0.0	20	101		21	106		5	
1,2-Dibromoethane	20	20	75	125	25	0.0	20	100		21	107		7	
Chlorobenzene	20	20	75	125	25	0.0	21	105		21	106		1	
1,1,1,2-Tetrachloroethane	20	20	75	125	25	0.0	21	105		21	106		1	
Ethylbenzene	20	20	75	125	25	0.0	21	107		21	107		0	
m,p-Xylene	40	40	75	125	25	0.0	42	106		43	107		1	

VOA FORM 3

0929W

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

MT 9/29/10

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: LB09280I
Spike: LL09280I
Spike duplicate: LL09280I2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
o-Xylene	20	20	75	125	25	0.0	21	105		21	104		0	
Styrene	20	20	75	125	25	0.0	21	105		22	109		4	
Bromoform	20	20	75	125	25	0.0	21	106		21	106		0	
Isopropylbenzene	20	20	75	125	25	0.0	19	94		19	96		2	
1,1,2,2-Tetrachloroethane	20	20	75	125	25	0.0	20	100		20	100		0	
1,2,3-Trichloropropane	20	20	75	125	25	0.0	19	94		19	96		2	
trans-1,4-Dichloro-2-butene	20	20	75	125	25	0.0	21	106		21	106		0	
n-Propylbenzene	20	20	75	125	25	0.0	21	105		21	107		2	
Bromobenzene	20	20	75	125	25	0.0	21	106		21	106		0	
1,3,5-Trimethylbenzene	20	20	75	125	25	0.0	21	106		21	107		1	
2-Chlorotoluene	20	20	75	125	25	0.0	21	106		21	105		1	
4-Chlorotoluene	20	20	75	125	25	0.0	21	104		21	104		1	
tert-butylbenzene	20	20	75	125	25	0.0	21	107		22	109		1	
1,2,4-Trimethylbenzene	20	20	75	125	25	0.0	20	102		21	104		2	
sec-butylbenzene	20	20	75	125	25	0.0	22	111		22	111		0	
p-isopropyltoluene	20	20	75	125	25	0.0	20	102		21	105		3	
1,3-Dichlorobenzene	20	20	75	125	25	0.0	21	104		21	105		1	
1,4-Dichlorobenzene	20	20	75	125	25	0.0	21	105		22	108		2	
n-butylbenzene	20	20	75	125	25	0.0	22	112		23	113		1	
1,2-Dichlorobenzene	20	20	75	125	25	0.0	21	105		22	108		3	
1,2-Dibromo-3-chloropropane	20	20	75	125	25	0.0	21	104		21	104		0	
1,2,4-Trichlorobenzene	20	20	75	125	25	0.0	20	102		21	105		2	
Hexachlorobutadiene	20	20	75	125	25	0.0	22	108		22	110		1	
Naphthalene	20	20	75	125	25	0.0	17	87		19	94		8	
1,2,3-Trichlorobenzene	20	20	75	125	25	0.0	21	103		22	108		5	
1,3,5-Trichlorobenzene	20	20	75	125	25	0.0	21	104		21	105		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

092910

VOA FORM 3

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44016Q.D Vial: 5
Acq On : 28 Sep 2010 9:28 am Operator: MT
Sample : LL09280I Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	117421	20.00 ug/L	0.03
39) 1,4-Difluorobenzene	7.96	114	222954 ✓	20.00 ug/L	0.04
63) *d5-Chlorobenzene	12.59	117	184581 ✓	20.00 ug/L	0.03
87) 1,4-Dichlorobenzene-d4	16.40	152	78922	20.00 ug/L	0.03
System Monitoring Compounds					
28) DB HOLDER #28	7.32	65	101820	20.29 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.45% ✓	
36) d4-1,2-Dichloroethane	7.32	65	101820	20.29 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.45% ✓	
54) d8-Toluene	10.26	98	238741	19.92 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.60% ✓	
73) Bromofluorobenzene	14.52	95	94753	20.10 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.50% ✓	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	85536	20.78 ug/L	98
3) Chloromethane	1.67	50	71058	19.97 ug/L	98
4) Vinyl Chloride	1.76	62	64951	20.78 ug/L	96
5) Bromomethane	2.17	94	53859	21.99 ug/L	100
6) Chloroethane	2.24	64	38117	22.00 ug/L	89
7) t-Butyl alcohol (TBA)	3.30	59	45725	86.88 ug/L	97
8) Trichlorofluoromethane	2.49	101	119128	19.17 ug/L	98
9) Diethyl ether	2.82	74	31500	20.77 ug/L	93
10) 1,1,2-Trichlorotrifluoroet	2.98	101	68483	20.67 ug/L	99
12) Acetone	3.04	43	149945	109.36 ug/L	99
13) 1,1-Dichloroethene	3.18	96	58690	20.90 ug/L	95
14) Methyl iodide	3.58	142	110274	25.51 ug/L	100
15) Di-isopropyl ether (DIPE)	4.87	45	223451	19.77 ug/L	98
16) Methylene Chloride	3.85	84	84007	18.93 ug/L	98
17) Carbon Disulfide	3.82	76	207203	22.44 ug/L	100
18) Acrylonitrile	4.07	53	27348	21.33 ug/L	97
19) Methyl-tert-butyl ether (M	4.10	73	367224	39.48 ug/L	98
20) trans-1,2-Dichloroethene	4.31	96	69028	20.39 ug/L	95
21) 1,1-Dichloroethane	5.00	63	127073	20.02 ug/L	99
22) Vinyl acetate	5.05	86	6945	14.16 ug/L	98
23) Methyl ethyl ketone	5.70	72	38728	102.30 ug/L	88
24) Ethyl t-butyl ether (ETBE)	5.53	59	226094	19.55 ug/L	100
25) 2,2-Dichloropropane	5.88	77	108461	21.32 ug/L	99
26) cis-1,2-Dichloroethene	5.96	96	77034	20.76 ug/L	94
27) t-Amyl methyl ether (TAME)	7.28	73	176874	19.72 ug/L	98
29) Chloroform	6.21	83	132794	20.78 ug/L	95
30) Bromochloromethane	6.45	128	38510	21.01 ug/L #	89

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44016Q.D Vial: 5
Acq On : 28 Sep 2010 9:28 am Operator: MT
Sample : LL09280I Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.50	71	8535	20.62 ug/L	85
32)	1,1,1-Trichloroethane	6.82	97	113429	21.41 ug/L	96
34)	1,1-Dichloropropene	7.06	75	94767	20.92 ug/L	97
35)	Carbon Tetrachloride	7.19	119	92224	21.61 ug/L	97
37)	1,2-Dichloroethane	7.47	62	119880	20.31 ug/L	99
38)	Benzene	7.46	78	225532	20.06 ug/L	98
40)	Trichloroethene	8.41	95	74293	20.25 ug/L	97
41)	1,2-Dichloropropane	8.70	63	65535	19.57 ug/L	99
42)	Methylmethacrylate	8.87	69	45496	20.03 ug/L	97
43)	Methyl acetate	3.66	43	71629	20.94 ug/L	99
44)	Cyclohexane	6.81	56	96922	18.55 ug/L	89
45)	Bromodichloromethane	9.04	83	98939	19.62 ug/L	98
46)	Dibromomethane	9.11	93	56387	19.00 ug/L	98
47)	1,4-Dioxane	9.11	88	20876	451.50 ug/L	95
48)	Methylcyclohexane	8.48	83	107098	21.90 ug/L	99
51)	2-Hexanone	10.99	58	149751	100.17 ug/L	95
52)	Methyl isobutyl ketone	9.64	58	144578	95.60 ug/L	97
53)	cis-1,3-Dichloropropene	9.92	75	107578	20.25 ug/L	95
55)	Toluene	10.37	92	148928	20.21 ug/L	99
56)	trans-1,3-Dichloropropene	10.71	75	98501	18.88 ug/L	100
58)	1,1,2-Trichloroethane	10.93	83	50537	19.99 ug/L	99
59)	1,3-Dichloropropane	11.32	76	98054	20.17 ug/L	99
60)	Tetrachloroethene	11.37	166	74319	23.35 ug/L	99
61)	Dibromochloromethane	11.69	129	76247	20.13 ug/L	97
62)	1,2-Dibromoethane	11.99	107	75994	19.98 ug/L	100
64)	Chlorobenzene	12.65	112	177556	21.01 ug/L	97
65)	1,1,1,2-Tetrachloroethane	12.74	131	61881	20.98 ug/L	95
66)	Ethylbenzene	12.76	91	289168	21.39 ug/L	100
67)	m,p-Xylene	12.88	106	215254	42.40 ug/L	95
68)	o-Xylene	13.56	106	103752	20.92 ug/L	90
69)	Styrene	13.63	104	183124	21.00 ug/L	99
70)	Bromoform	14.11	173	46532	21.10 ug/L	97
71)	Isopropylbenzene	14.15	105	242560	18.83 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.43	83	78712	19.98 ug/L	99
74)	1,2,3-Trichloropropane	14.66	75	56852	18.70 ug/L	97
75)	trans-1,4-Dichloro-2-buten	14.80	88	13459	21.15 ug/L #	42
76)	n-Propylbenzene	14.78	91	334533	21.09 ug/L	96
77)	Bromobenzene	14.80	156	66711	21.13 ug/L	95
78)	1,3,5-Trimethylbenzene	15.05	105	224984	21.21 ug/L	100
79)	2-Chlorotoluene	15.04	91	224467	21.11 ug/L	97
80)	4-Chlorotoluene	15.11	91	203946	20.70 ug/L	98
81)	tert-butylbenzene	15.61	119	191421m	21.48 ug/L	

(#) = qualifier out of range (m) = manual integration

342910

Data File : C:\HPCHEM\1\DATA\092810-I\I44016Q.D Vial: 5
Acq On : 28 Sep 2010 9:28 am Operator: MT
Sample : LL09280I Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.66	105	228858	20.40 ug/L	100
83)	Pentachloroethane	15.67	167	29457	17.34 ug/L	98
84)	sec-butylbenzene	15.95	105	306213	22.20 ug/L	98
85)	p-isopropyltoluene	16.18	119	221631	20.41 ug/L	97
86)	1,3-Dichlorobenzene	16.28	146	115416	20.85 ug/L	97
88)	1,4-Dichlorobenzene	16.45	146	117856	21.01 ug/L	99
89)	n-butylbenzene	16.85	91	243045	22.38 ug/L	96
90)	1,2-Dichlorobenzene	17.04	146	108016	21.03 ug/L	98
92)	1,2-Dibromo-3-chloropropan	18.33	75	15692	20.89 ug/L	94
94)	1,2,4-Trichlorobenzene	19.75	180	73602	20.39 ug/L	95
95)	Hexachlorobutadiene	20.01	225	32865	21.69 ug/L	97
96)	Naphthalene	20.15	128	114124	17.40 ug/L	98
97)	1,2,3-Trichlorobenzene	20.56	180	65800	20.58 ug/L	97
98)	1,3,5-Trichlorobenzene	18.71	180	82562	20.88 ug/L	99

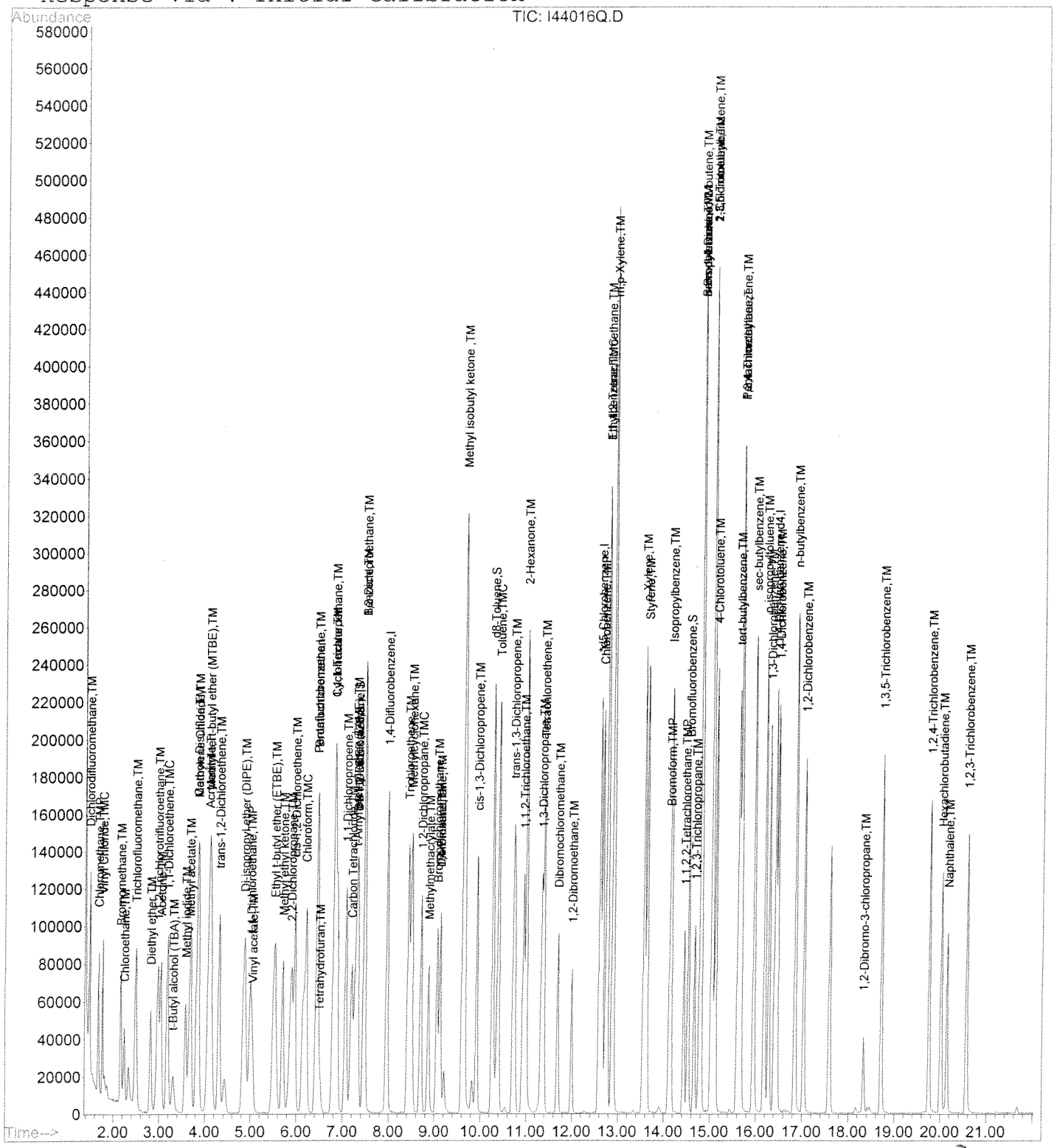
J429W

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092810-I\I44016Q.D Vial: 5
Acq On : 28 Sep 2010 9:28 am Operator: MT
Sample : LL09280I Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



9/29/10

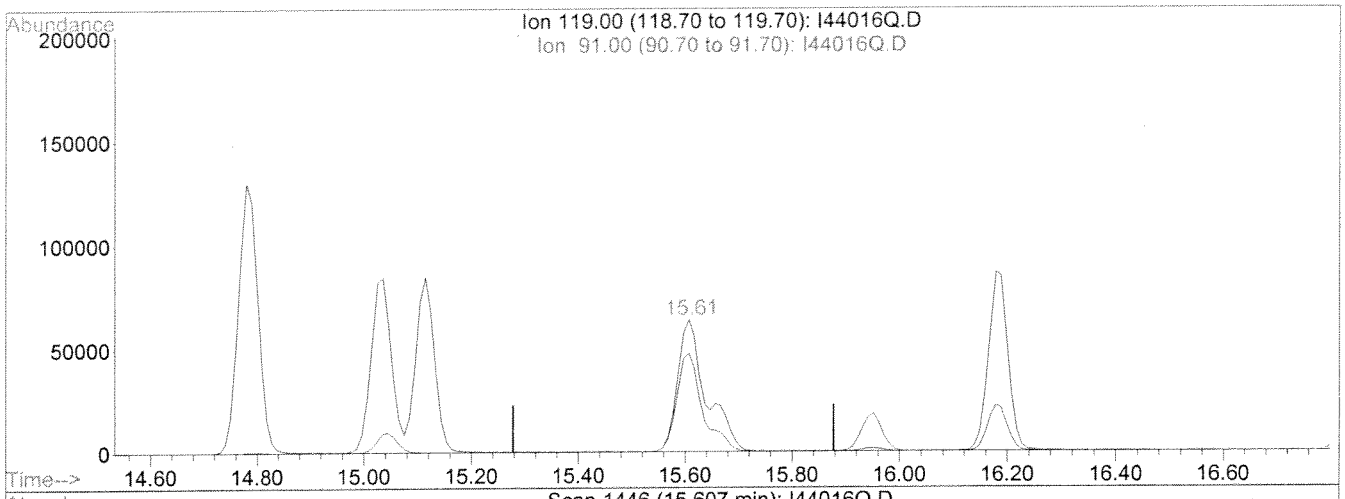
Quantitation Report (Qedit)

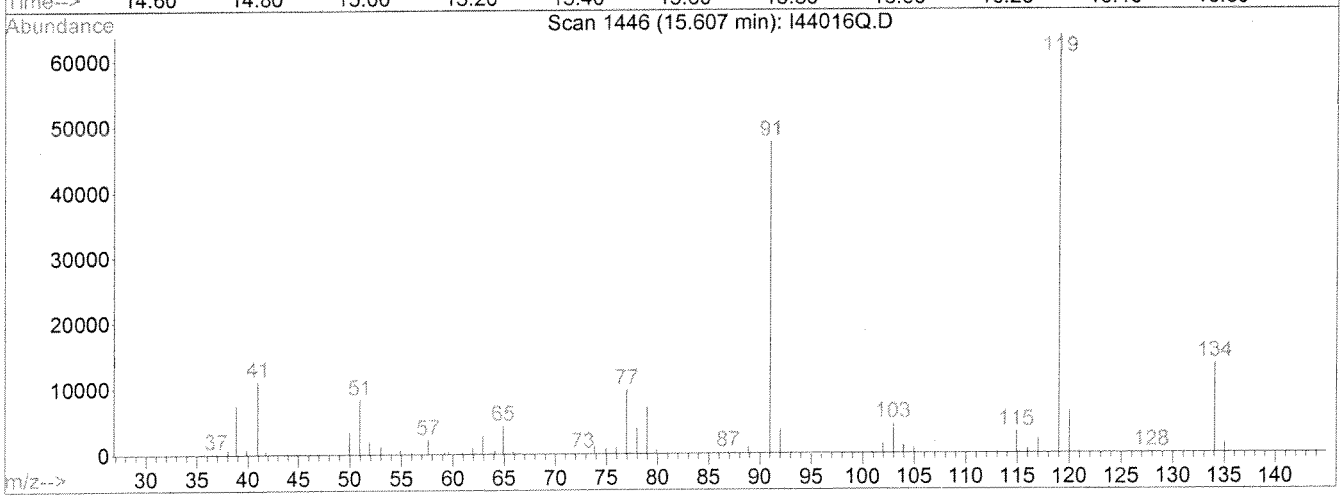
Data File : C:\HPCHEM\1\DATA\092810-I\I44016Q.D
Acq On : 28 Sep 2010 9:28 am
Sample : LL09280I
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010

Vial: 5
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10
e.a./co-el.





TIC: I44016Q.D

(81) tert-butylbenzene (TM)

15.61min 26.84ug/L

response 239167

Ion	Exp%	Act%
119.00	100	100
91.00	75.50	74.28
0.00	0.00	0.00
0.00	0.00	0.00

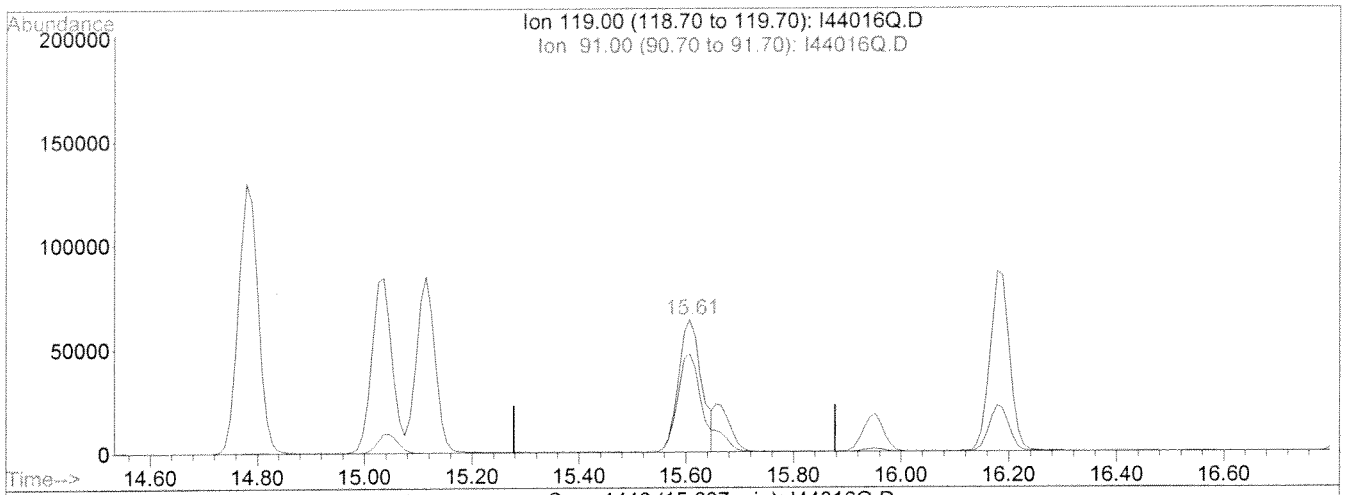
9/29/10

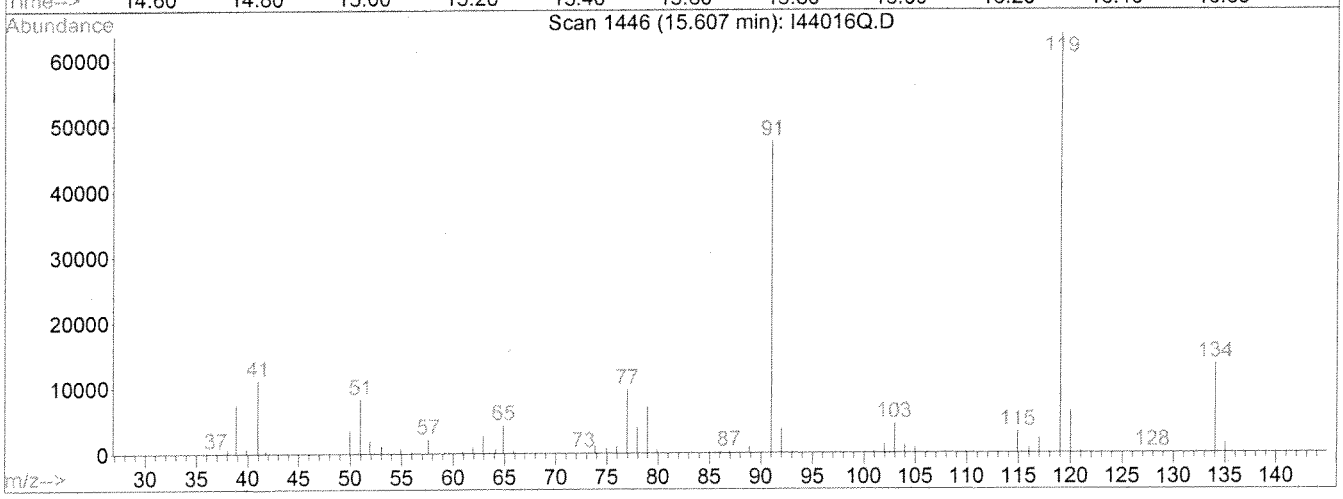
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\092810-I\I44016Q.D Vial: 5
Acq On : 28 Sep 2010 9:28 am Operator: MT
Sample : LL09280I Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10





TIC: I44016Q.D

(81) tert-butylbenzene (TM)

15.61min 21.48ug/L m

response 191421

Ion	Exp%	Act%
119.00	100	100
91.00	75.50	74.47
0.00	0.00	0.00
0.00	0.00	0.00

S9290

I44016Q.D VS09270I.M Tue Sep 28 14:05:22 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44017Q.D Vial: 6
Acq On : 28 Sep 2010 9:55 am Operator: MT
Sample : LL09280I2 Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	117980	20.00 ug/L	0.03
39) 1,4-Difluorobenzene	7.95	114	221384 ✓	20.00 ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	189239	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.41	152	80175	20.00 ug/L	0.03

System Monitoring Compounds					
28) DB HOLDER #28	7.32	65	101716	20.17 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.85% ✓	
36) d4-1,2-Dichloroethane	7.32	65	101716	20.17 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.85% ✓	
54) d8-Toluene	10.26	98	237384	19.95 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.75% ✓	
73) Bromofluorobenzene	14.52	95	95424	19.75 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.75% ✓	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	87122	21.06 ug/L	100
3) Chloromethane	1.68	50	71028	19.87 ug/L	99
4) Vinyl Chloride	1.77	62	65157	20.74 ug/L	96
5) Bromomethane	2.16	94	55675	22.63 ug/L	98
6) Chloroethane	2.24	64	37971	21.81 ug/L	89
7) t-Butyl alcohol (TBA)	3.30	59	44489	84.13 ug/L	97
8) Trichlorofluoromethane	2.48	101	119084	19.07 ug/L	96
9) Diethyl ether	2.81	74	33782	22.17 ug/L	95
10) 1,1,2-Trichlorotrifluoroet	2.97	101	69640	20.92 ug/L	98
12) Acetone	3.04	43	151544	110.00 ug/L	99
13) 1,1-Dichloroethene	3.18	96	60707	21.51 ug/L	97
14) Methyl iodide	3.57	142	115293	26.55 ug/L	100
15) Di-isopropyl ether (DIPE)	4.86	45	231295	20.37 ug/L	99
16) Methylene Chloride	3.85	84	85333	19.20 ug/L	92
17) Carbon Disulfide	3.81	76	212144	22.87 ug/L	100
18) Acrylonitrile	4.06	53	28469	22.10 ug/L	95
19) Methyl-tert-butyl ether (M	4.10	73	388272	41.55 ug/L	98
20) trans-1,2-Dichloroethene	4.31	96	72697	21.37 ug/L	95
21) 1,1-Dichloroethane	5.00	63	136519	21.41 ug/L	99
22) Vinyl acetate	5.05	86	7324	14.86 ug/L	89
23) Methyl ethyl ketone	5.70	72	38945	102.39 ug/L	86
24) Ethyl t-butyl ether (ETBE)	5.52	59	238066	20.49 ug/L	99
25) 2,2-Dichloropropane	5.87	77	113529	22.21 ug/L	100
26) cis-1,2-Dichloroethene	5.95	96	81180	21.77 ug/L	96
27) t-Amyl methyl ether (TAME)	7.27	73	184195	20.44 ug/L	98
29) Chloroform	6.20	83	139115	21.67 ug/L	94
30) Bromochloromethane	6.45	128	40063	21.76 ug/L #	91

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44017Q.D Vial: 6
Acq On : 28 Sep 2010 9:55 am Operator: MT
Sample : LL09280I2 Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
31)	Tetrahydrofuran	6.49	71	8263	19.86 ug/L		91
32)	1,1,1-Trichloroethane	6.81	97	117782	22.13 ug/L		95
34)	1,1-Dichloropropene	7.06	75	98159	21.57 ug/L		97
35)	Carbon Tetrachloride	7.18	119	95541	22.28 ug/L		100
37)	1,2-Dichloroethane	7.46	62	126554	21.34 ug/L		99
38)	Benzene	7.46	78	237698	21.05 ug/L		97
40)	Trichloroethene	8.42	95	77928	21.39 ug/L		94
41)	1,2-Dichloropropane	8.69	63	68519	20.61 ug/L		99
42)	Methylmethacrylate	8.86	69	46844	20.77 ug/L		99
43)	Methyl acetate	3.65	43	70238	20.68 ug/L		96
44)	Cyclohexane	6.81	56	84764	16.34 ug/L	#	79
45)	Bromodichloromethane	9.05	83	104271	20.82 ug/L		99
46)	Dibromomethane	9.12	93	60311	20.47 ug/L		97
47)	1,4-Dioxane	9.12	88	21301	463.96 ug/L		92
48)	Methylcyclohexane	8.49	83	103682	21.36 ug/L		98
51)	2-Hexanone	10.99	58	150567	101.43 ug/L		96
52)	Methyl isobutyl ketone	9.63	58	147768	98.41 ug/L		98
53)	cis-1,3-Dichloropropene	9.91	75	113952	21.60 ug/L		97
55)	Toluene	10.38	92	153861	21.03 ug/L		97
56)	trans-1,3-Dichloropropene	10.70	75	100918	19.48 ug/L		99
58)	1,1,2-Trichloroethane	10.92	83	53398	21.27 ug/L		97
59)	1,3-Dichloropropane	11.32	76	102208	21.18 ug/L		100
60)	Tetrachloroethene	11.37	166	79517	25.16 ug/L		97
61)	Dibromochloromethane	11.68	129	79410	21.12 ug/L		91
62)	1,2-Dibromoethane	11.98	107	80644	21.35 ug/L		98
64)	Chlorobenzene	12.64	112	184509	21.29 ug/L		99
65)	1,1,1,2-Tetrachloroethane	12.73	131	64187	21.22 ug/L		100
66)	Ethylbenzene	12.75	91	297202	21.44 ug/L		100
67)	m,p-Xylene	12.88	106	222581	42.77 ug/L		97
68)	o-Xylene	13.55	106	106120	20.87 ug/L		95
69)	Styrene	13.62	104	195392	21.85 ug/L		97
70)	Bromoform	14.11	173	47850	21.17 ug/L		98
71)	Isopropylbenzene	14.14	105	253961	19.23 ug/L		95
72)	1,1,2,2-Tetrachloroethane	14.43	83	80635	19.97 ug/L		99
74)	1,2,3-Trichloropropane	14.65	75	59708	19.16 ug/L		95
75)	trans-1,4-Dichloro-2-buten	14.80	88	13771	21.11 ug/L	#	43
76)	n-Propylbenzene	14.78	91	348470	21.43 ug/L		97
77)	Bromobenzene	14.79	156	68702	21.22 ug/L		98
78)	1,3,5-Trimethylbenzene	15.04	105	232899	21.42 ug/L		100
79)	2-Chlorotoluene	15.03	91	228683	20.98 ug/L		98
80)	4-Chlorotoluene	15.11	91	210598	20.85 ug/L		100
81)	tert-butylbenzene	15.60	119	198359m	21.71 ug/L		

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44017Q.D Vial: 6
Acq On : 28 Sep 2010 9:55 am Operator: MT
Sample : LL09280I2 Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.66	105	240110	20.87 ug/L	98
83)	Pentachloroethane	15.67	167	28803	16.54 ug/L	99
84)	sec-butylbenzene	15.94	105	315315	22.29 ug/L	99
85)	p-isopropyltoluene	16.18	119	233900	21.01 ug/L	97
86)	1,3-Dichlorobenzene	16.28	146	119722	21.09 ug/L	96
88)	1,4-Dichlorobenzene	16.46	146	122699	21.53 ug/L	99
89)	n-butylbenzene	16.84	91	249806	22.64 ug/L	98
90)	1,2-Dichlorobenzene	17.04	146	113057	21.67 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.32	75	15874	20.81 ug/L	97
94)	1,2,4-Trichlorobenzene	19.75	180	76653	20.90 ug/L	95
95)	Hexachlorobutadiene	20.01	225	33871	22.01 ug/L	99
96)	Naphthalene	20.14	128	126382	18.86 ug/L	97
97)	1,2,3-Trichlorobenzene	20.56	180	70400	21.68 ug/L	97
98)	1,3,5-Trichlorobenzene	18.71	180	84595	21.06 ug/L	96

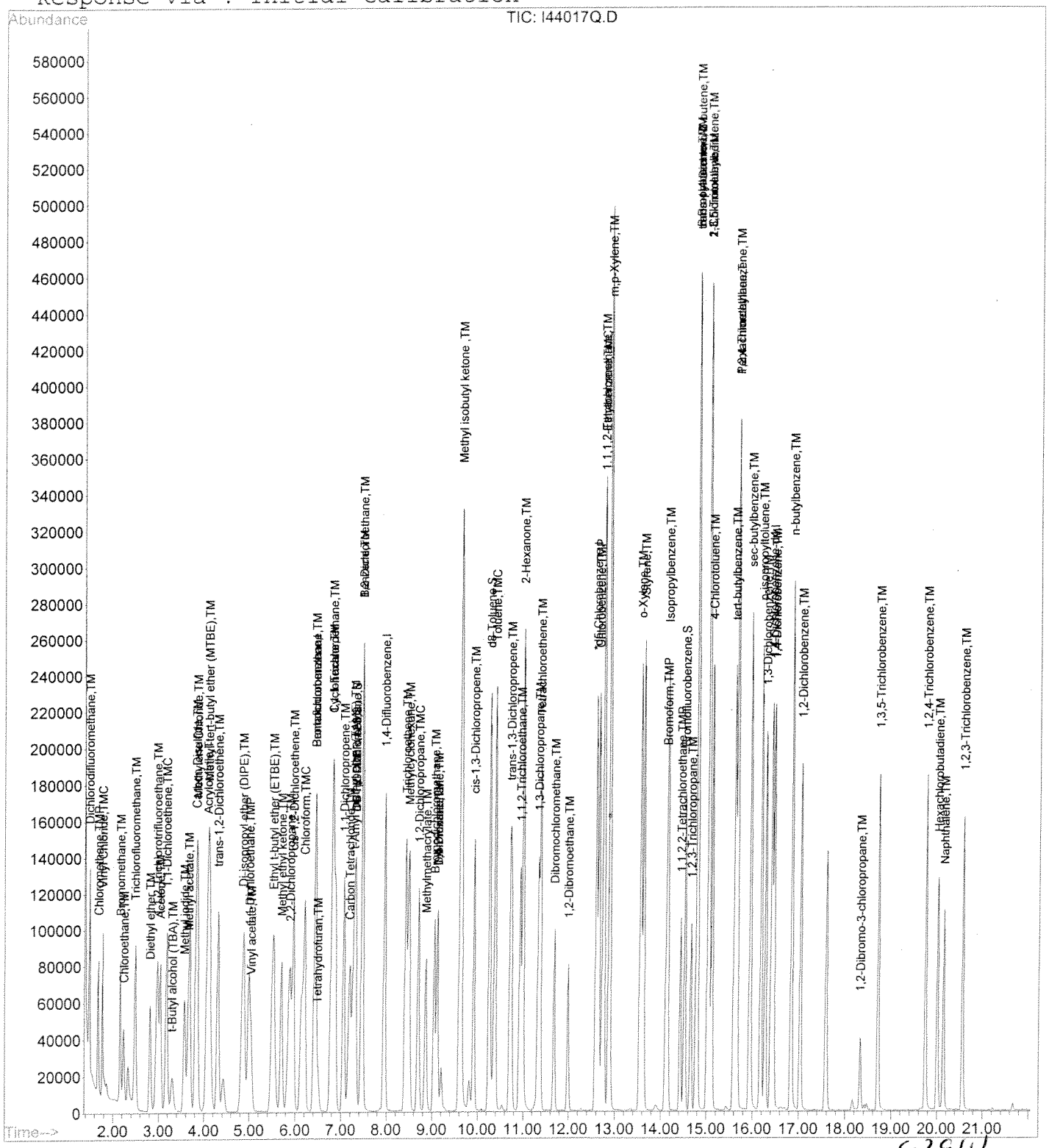
5/29/10

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092810-I\I44017Q.D Vial: 6
Acq On : 28 Sep 2010 9:55 am Operator: MT
Sample : LL09280I2 Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

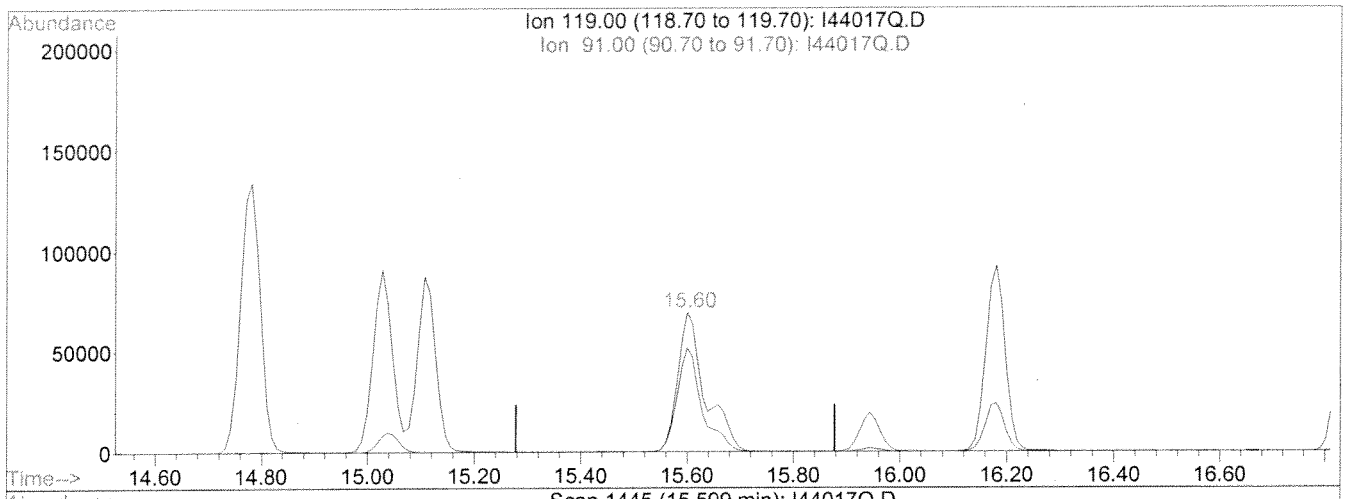


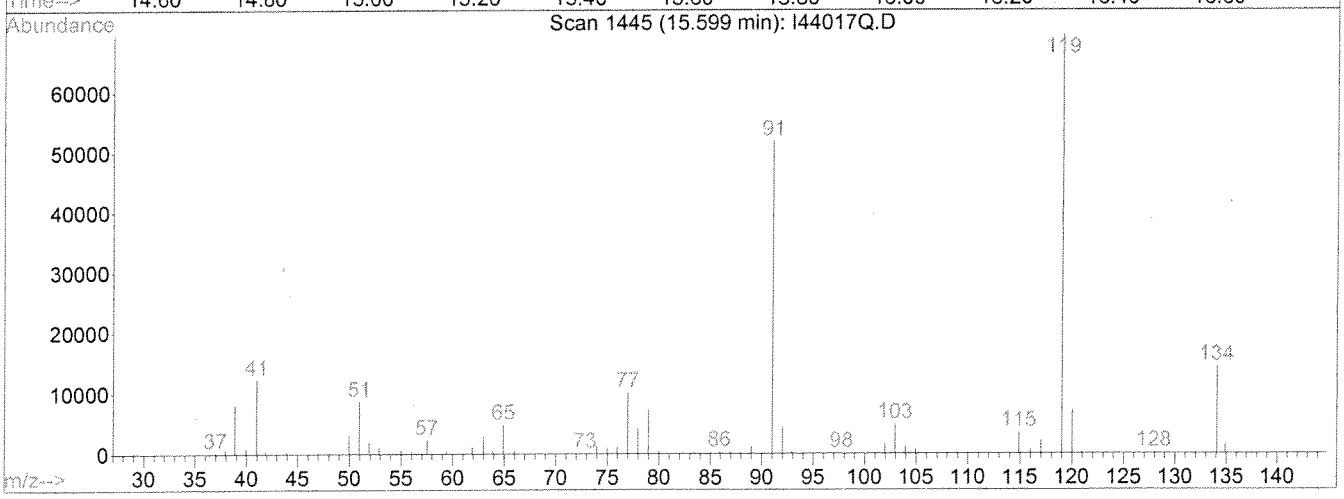
9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44017Q.D Vial: 6
Acq On : 28 Sep 2010 9:55 am Operator: MT
Sample : LL09280I2 Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10
ea/co-el.





TIC: I44017Q.D

(81) tert-butylbenzene (TM)

15.60min 27.44ug/L

response 250752

Ion	Exp%	Act%
119.00	100	100
91.00	75.50	74.50
0.00	0.00	0.00
0.00	0.00	0.00

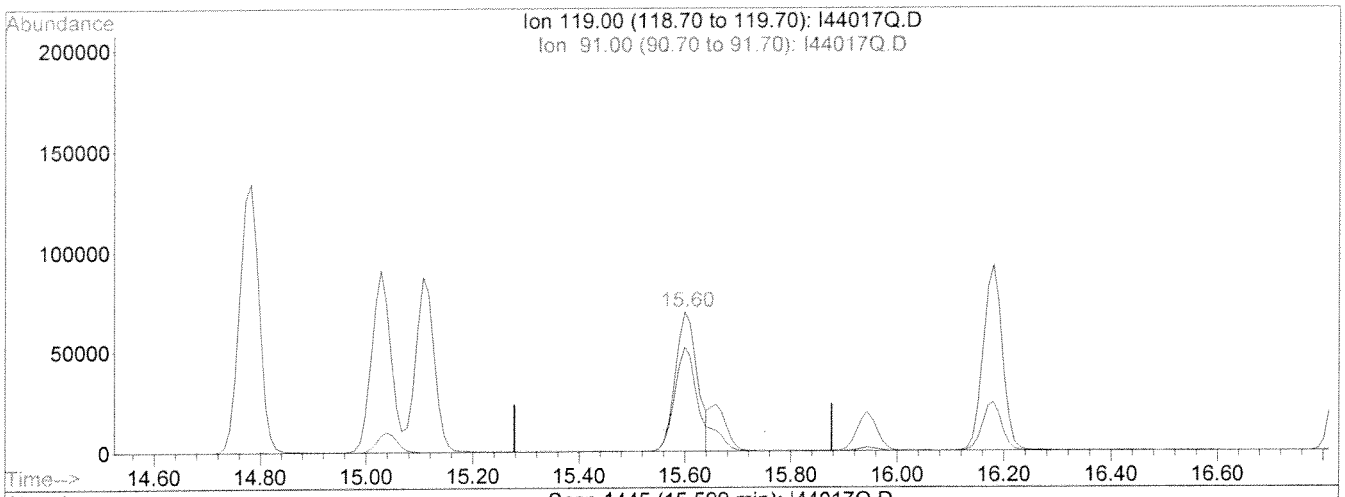
J9290

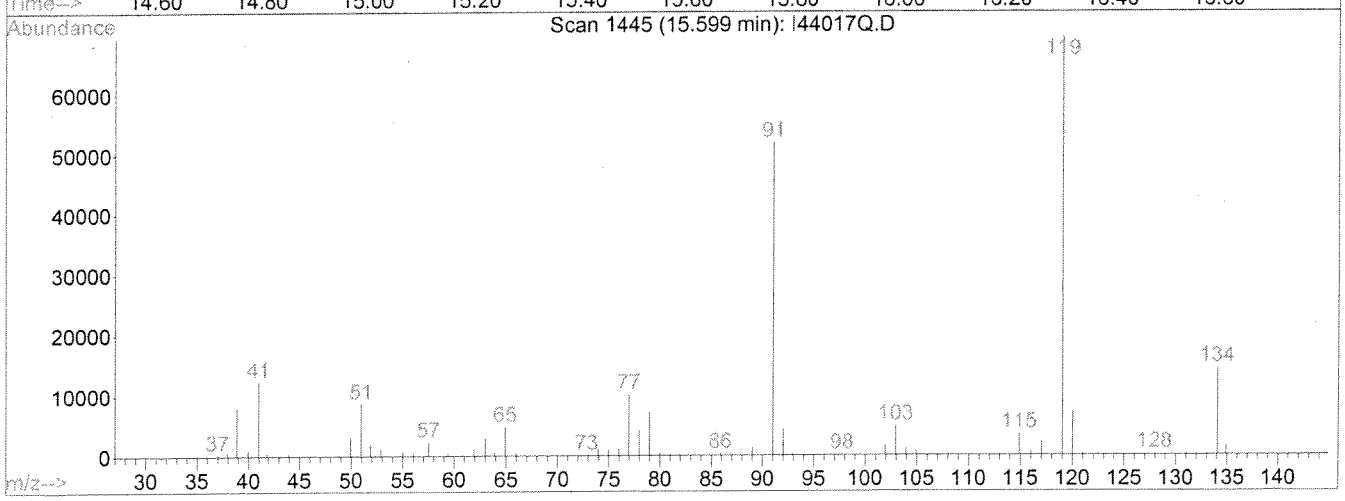
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\092810-I\I44017Q.D Vial: 6
Acq On : 28 Sep 2010 9:55 am Operator: MT
Sample : LL09280I2 Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10





TIC: I44017Q.D

(81) tert-butylbenzene (TM)

15.60min 21.71ug/L m

response 198359

Ion	Exp%	Act%
119.00	100	100
91.00	75.50	74.70
0.00	0.00	0.00
0.00	0.00	0.00

J92910

I44017Q.D VS09270I.M Tue Sep 28 14:05:33 2010

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

MT 9/29/16

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: LB0928012
Spike: LL0928013
Spike duplicate: LL0928014

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	20	75	125	25	0.0	19	93		19	95		2	
Chloromethane	20	20	75	125	25	0.0	19	94		19	96		2	
Vinyl Chloride	20	20	75	125	25	0.0	20	102		20	101		1	
Bromomethane	20	20	75	125	25	0.0	20	99		20	102		3	
Chloroethane	20	20	75	125	25	0.0	21	104		22	108		4	
t-Butyl alcohol (TBA)	100	100	75	125	25	0.0	96	96		99	99		3	
Trichlorofluoromethane	20	20	75	125	25	0.0	18	91		18	90		1	
Diethyl ether	20	20	75	125	25	0.0	20	101		20	101		1	
1,1,2-Trichlorotrifluoroethane	20	20	75	125	25	0.0	19	93		18	90		2	
Acetone	100	100	75	125	25	0.0	107	107		106	106		1	
1,1-Dichloroethene	20	20	75	125	25	0.0	19	96		19	96		0	
Methyl iodide	20	20	75	125	25	0.0	23	116		24	119		3	
Di-isopropyl ether (DIPE)	20	20	75	125	25	0.0	19	97		19	96		1	
Methylene Chloride	20	20	75	125	25	0.0	17	86		17	83		4	
Carbon Disulfide	20	20	75	125	25	0.0	20	101		20	100		1	
Methyl-tert-butyl ether (MTBE)	40	40	75	125	25	0.0	41	102		40	99		3	
trans-1,2-Dichloroethene	20	20	75	125	25	0.0	20	98		19	95		3	
1,1-Dichloroethane	20	20	75	125	25	0.0	20	98		20	98		0	
Vinyl acetate	20	20	75	125	25	0.0	10	49	*	9	46	*	7	
Methyl ethyl ketone	100	100	75	125	25	0.0	105	105		106	106		1	
Ethyl t-butyl ether (ETBE)	20	20	75	125	25	0.0	20	99		20	98		1	
2,2-Dichloropropane	20	20	75	125	25	0.0	20	99		19	97		2	
cis-1,2-Dichloroethene	20	20	75	125	25	0.0	20	102		20	102		0	
t-Amyl methyl ether (TAME)	20	20	75	125	25	0.0	20	101		20	98		3	
Chloroform	20	20	75	125	25	0.0	20	101		20	99		2	
Bromochloromethane	20	20	75	125	25	0.0	21	106		21	103		2	
Tetrahydrofuran	20	20	75	125	25	0.0	21	105		21	104		1	
1,1,1-Trichloroethane	20	20	75	125	25	0.0	21	103		20	102		1	
1,1-Dichloropropene	20	20	75	125	25	0.0	20	99		19	97		1	
Carbon Tetrachloride	20	20	75	125	25	0.0	20	101		21	104		3	
1,2-Dichloroethane	20	20	75	125	25	0.0	20	102		20	99		3	
Benzene	20	20	75	125	25	0.0	19	97		19	96		2	
Trichloroethene	20	20	75	125	25	0.0	20	100		20	102		2	
1,2-Dichloropropane	20	20	75	125	25	0.0	20	99		20	98		0	
Methylmethacrylate	20	20	75	125	25	0.0	21	107		21	106		1	
Methyl acetate	20	20	75	125	25	0.0	23	115		23	113		2	
Cyclohexane	20	20	75	125	25	0.0	17	84		16	82		3	
Bromodichloromethane	20	20	75	125	25	0.0	20	98		20	98		0	
Dibromomethane	20	20	75	125	25	0.0	20	99		20	98		1	
1,4-Dioxane	500	500	75	125	25	0.0	435	87		505	101		15	
Methylcyclohexane	20	20	75	125	25	0.0	19	97		20	98		1	
2-Hexanone	100	100	75	125	25	0.0	108	108		108	108		0	
Methyl isobutyl ketone	100	100	75	125	25	0.0	103	103		102	102		1	
cis-1,3-Dichloropropene	20	20	75	125	25	0.0	20	102		20	102		0	
Toluene	20	20	75	125	25	0.0	19	97		20	98		1	
trans-1,3-Dichloropropene	20	20	75	125	25	0.0	19	95		19	93		2	
1,1,2-Trichloroethane	20	20	75	125	25	0.0	21	103		20	101		2	
1,3-Dichloropropane	20	20	75	125	25	0.0	21	103		21	103		0	
Tetrachloroethene	20	20	75	125	25	0.0	28	140	*	29	145	*	4	
Dibromochloromethane	20	20	75	125	25	0.0	21	103		21	103		0	
1,2-Dibromoethane	20	20	75	125	25	0.0	21	105		21	105		0	
Chlorobenzene	20	20	75	125	25	0.0	20	100		19	97		3	
1,1,1,2-Tetrachloroethane	20	20	75	125	25	0.0	21	103		20	100		3	
Ethylbenzene	20	20	75	125	25	0.0	20	98		19	97		2	
m,p-Xylene	40	40	75	125	25	0.0	39	98		39	98		1	

J92910

VOA FORM 3

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

MT 9/29/10

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: LB0928012
Spike: LL0928013
Spike duplicate: LL0928014

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
o-Xylene	20	20	75	125	25	0.0	20	100		20	98		2	
Styrene	20	20	75	125	25	0.0	20	101		20	99		2	
Bromoform	20	20	75	125	25	0.0	21	106		21	103		3	
Isopropylbenzene	20	20	75	125	25	0.0	18	88		17	87		2	
1,1,2,2-Tetrachloroethane	20	20	75	125	25	0.0	20	98		19	94		3	
1,2,3-Trichloropropane	20	20	75	125	25	0.0	20	99		20	99		1	
trans-1,4-Dichloro-2-butene	20	20	75	125	25	0.0	20	102		20	102		0	
n-Propylbenzene	20	20	75	125	25	0.0	19	96		19	96		0	
Bromobenzene	20	20	75	125	25	0.0	20	99		20	99		0	
1,3,5-Trimethylbenzene	20	20	75	125	25	0.0	20	100		20	98		2	
2-Chlorotoluene	20	20	75	125	25	0.0	20	98		19	97		1	
4-Chlorotoluene	20	20	75	125	25	0.0	19	97		18	92		5	
tert-butylbenzene	20	20	75	125	25	0.0	24	118		23	116		2	
1,2,4-Trimethylbenzene	20	20	75	125	25	0.0	19	95		19	93		2	
sec-butylbenzene	20	20	75	125	25	0.0	20	101		20	100		1	
p-isopropyltoluene	20	20	75	125	25	0.0	19	96		19	96		0	
1,3-Dichlorobenzene	20	20	75	125	25	0.0	19	97		19	96		1	
1,4-Dichlorobenzene	20	20	75	125	25	0.0	19	97		19	96		1	
n-butylbenzene	20	20	75	125	25	0.0	20	98		20	99		1	
1,2-Dichlorobenzene	20	20	75	125	25	0.0	20	100		20	100		0	
1,2-Dibromo-3-chloropropane	20	20	75	125	25	0.0	21	105		21	103		2	
1,2,4-Trichlorobenzene	20	20	75	125	25	0.0	19	93		18	92		0	
Hexachlorobutadiene	20	20	75	125	25	0.0	19	97		20	100		3	
Naphthalene	20	20	75	125	25	0.0	22	112		22	110		2	
1,2,3-Trichlorobenzene	20	20	75	125	25	0.0	21	105		20	102		2	
1,3,5-Trichlorobenzene	20	20	75	125	25	0.0	18	92		18	92		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

392GW

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44040Q.D
Acq On : 28 Sep 2010 8:51 pm
Sample : LL09280I3
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010

Vial: 29
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	118192	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	7.95	114	222527 ✓	20.00	ug/L	0.02
63) *d5-Chlorobenzene	12.58	117	190784 ✓	20.00	ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.40	152	82331	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.32	65	102211	20.24	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.20% ✓			
36) d4-1,2-Dichloroethane	7.32	65	102211	20.24	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.20% ✓			
54) d8-Toluene	10.25	98	234826	19.63	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.15% ✓			
73) Bromofluorobenzene	14.51	95	96865	19.88	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.40% ✓			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	77362	18.67	ug/L	98
3) Chloromethane	1.68	50	67458	18.83	ug/L	99
4) Vinyl Chloride	1.77	62	64396	20.46	ug/L	95
5) Bromomethane	2.16	94	49017	19.89	ug/L	97
6) Chloroethane	2.24	64	36336	20.83	ug/L	91
7) t-Butyl alcohol (TBA)	3.32	59	50956	96.18	ug/L	98
8) Trichlorofluoromethane	2.49	101	113604	18.16	ug/L	94
9) Diethyl ether	2.82	74	30985	20.29	ug/L	95
10) 1,1,2-Trichlorotrifluoroet	2.98	101	61728	18.51	ug/L	98
12) Acetone	3.05	43	148069	107.29	ug/L	99
13) 1,1-Dichloroethene	3.19	96	54242	19.19	ug/L	95
14) Methyl iodide	3.58	142	101325	23.29	ug/L	99
15) Di-isopropyl ether (DIPE)	4.86	45	220017	19.34	ug/L	98
16) Methylene Chloride	3.86	84	79047	17.29	ug/L	99
17) Carbon Disulfide	3.82	76	188148	20.25	ug/L	100
18) Acrylonitrile	4.07	53	27455	21.28	ug/L	96
19) Methyl-tert-butyl ether (M	4.09	73	380503	40.65	ug/L	98
20) trans-1,2-Dichloroethene	4.30	96	66985	19.66	ug/L	97
21) 1,1-Dichloroethane	5.00	63	125552	19.65	ug/L	98
23) Methyl ethyl ketone	5.70	72	40020	105.02	ug/L	87
24) Ethyl t-butyl ether (ETBE)	5.52	59	229472	19.72	ug/L	99
25) 2,2-Dichloropropane	5.88	77	100937	19.71	ug/L	96
26) cis-1,2-Dichloroethene	5.96	96	76294	20.43	ug/L	96
27) t-Amyl methyl ether (TAME)	7.28	73	181983	20.16	ug/L	97
29) Chloroform	6.20	83	130330	20.26	ug/L	95
30) Bromochloromethane	6.45	128	39113	21.20	ug/L #	88
31) Tetrahydrofuran	6.51	71	8787	21.09	ug/L	90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44040Q.D
Acq On : 28 Sep 2010 8:51 pm
Sample : LL09280I3
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010

Vial: 29
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32)	1,1,1-Trichloroethane	6.80	97	109686	20.57 ug/L	97
34)	1,1-Dichloropropene	7.06	75	89857	19.71 ug/L	97
35)	Carbon Tetrachloride	7.19	119	86897	20.23 ug/L	99
37)	1,2-Dichloroethane	7.46	62	121571	20.46 ug/L	99
38)	Benzene	7.45	78	220262	19.47 ug/L	99
40)	Trichloroethene	8.41	95	72967	19.93 ug/L	91
41)	1,2-Dichloropropane	8.69	63	65854	19.70 ug/L	100
42)	Methylmethacrylate	8.85	69	48403	21.35 ug/L	98
43)	Methyl acetate	3.65	43	78770	23.07 ug/L	98
44)	Cyclohexane	6.80	56	87757	16.83 ug/L	90
45)	Bromodichloromethane	9.04	83	98558	19.58 ug/L	96
46)	Dibromomethane	9.11	93	58568	19.78 ug/L	96
47)	1,4-Dioxane	9.10	88	20095	435.44 ug/L	90
48)	Methylcyclohexane	8.48	83	95126	19.49 ug/L	99
51)	2-Hexanone	10.98	58	160618	107.64 ug/L	94
52)	Methyl isobutyl ketone	9.62	58	155186	102.82 ug/L	97
53)	cis-1,3-Dichloropropene	9.91	75	108243	20.41 ug/L	99
55)	Toluene	10.37	92	142330	19.35 ug/L	98
56)	trans-1,3-Dichloropropene	10.70	75	98532	18.92 ug/L	98
58)	1,1,2-Trichloroethane	10.92	83	51935	20.58 ug/L	96
59)	1,3-Dichloropropane	11.32	76	100098	20.63 ug/L	98
60)	Tetrachloroethene	11.37	166	89009	28.02 ug/L	97
61)	Dibromochloromethane	11.67	129	77825	20.59 ug/L	96
62)	1,2-Dibromoethane	11.98	107	79510	20.95 ug/L	98
64)	Chlorobenzene	12.64	112	175091	20.04 ug/L	99
65)	1,1,1,2-Tetrachloroethane	12.73	131	62723	20.57 ug/L	95
66)	Ethylbenzene	12.74	91	274756	19.66 ug/L	100
67)	m,p-Xylene	12.87	106	206444	39.35 ug/L	95
68)	o-Xylene	13.54	106	102176	19.93 ug/L	92
69)	Styrene	13.61	104	182134	20.21 ug/L	100
70)	Bromoform	14.10	173	48092	21.10 ug/L	99
71)	Isopropylbenzene	14.13	105	235083	17.66 ug/L	99
72)	1,1,2,2-Tetrachloroethane	14.42	83	79393	19.50 ug/L	98
74)	1,2,3-Trichloropropane	14.65	75	62160	19.78 ug/L	96
75)	trans-1,4-Dichloro-2-buten	14.79	88	13419	20.40 ug/L #	40
76)	n-Propylbenzene	14.77	91	314585	19.19 ug/L	96
77)	Bromobenzene	14.78	156	64905	19.89 ug/L	98
78)	1,3,5-Trimethylbenzene	15.03	105	218438	19.92 ug/L	99
79)	2-Chlorotoluene	15.02	91	214940	19.56 ug/L	97
80)	4-Chlorotoluene	15.10	91	196964	19.34 ug/L	98
81)	tert-butylbenzene	15.59	119	217838	23.65 ug/L	98
82)	1,2,4-Trimethylbenzene	15.65	105	220253	18.99 ug/L	100

(#) = qualifier out of range (m) = manual integration

9/29/10

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44040Q.D
Acq On : 28 Sep 2010 8:51 pm
Sample : LL09280I3
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010

Vial: 29
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
83)	Pentachloroethane	15.65	167	15297	8.71 ug/L	96
84)	sec-butylbenzene	15.94	105	287585	20.17 ug/L	98
85)	p-isopropyltoluene	16.17	119	214447	19.11 ug/L	96
86)	1,3-Dichlorobenzene	16.27	146	110723	19.35 ug/L	98
88)	1,4-Dichlorobenzene	16.45	146	113717	19.43 ug/L	99
89)	n-butylbenzene	16.83	91	222290	19.62 ug/L	97
90)	1,2-Dichlorobenzene	17.03	146	107424	20.05 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.32	75	16469	21.02 ug/L	92
94)	1,2,4-Trichlorobenzene	19.74	180	69751	18.52 ug/L	98
95)	Hexachlorobutadiene	20.01	225	30798	19.49 ug/L	96
96)	Naphthalene	20.13	128	155933	22.39 ug/L	98
97)	1,2,3-Trichlorobenzene	20.56	180	69701	20.90 ug/L	97
98)	1,3,5-Trichlorobenzene	18.71	180	75768	18.37 ug/L	99

S92910

(#) = qualifier out of range (m) = manual integration

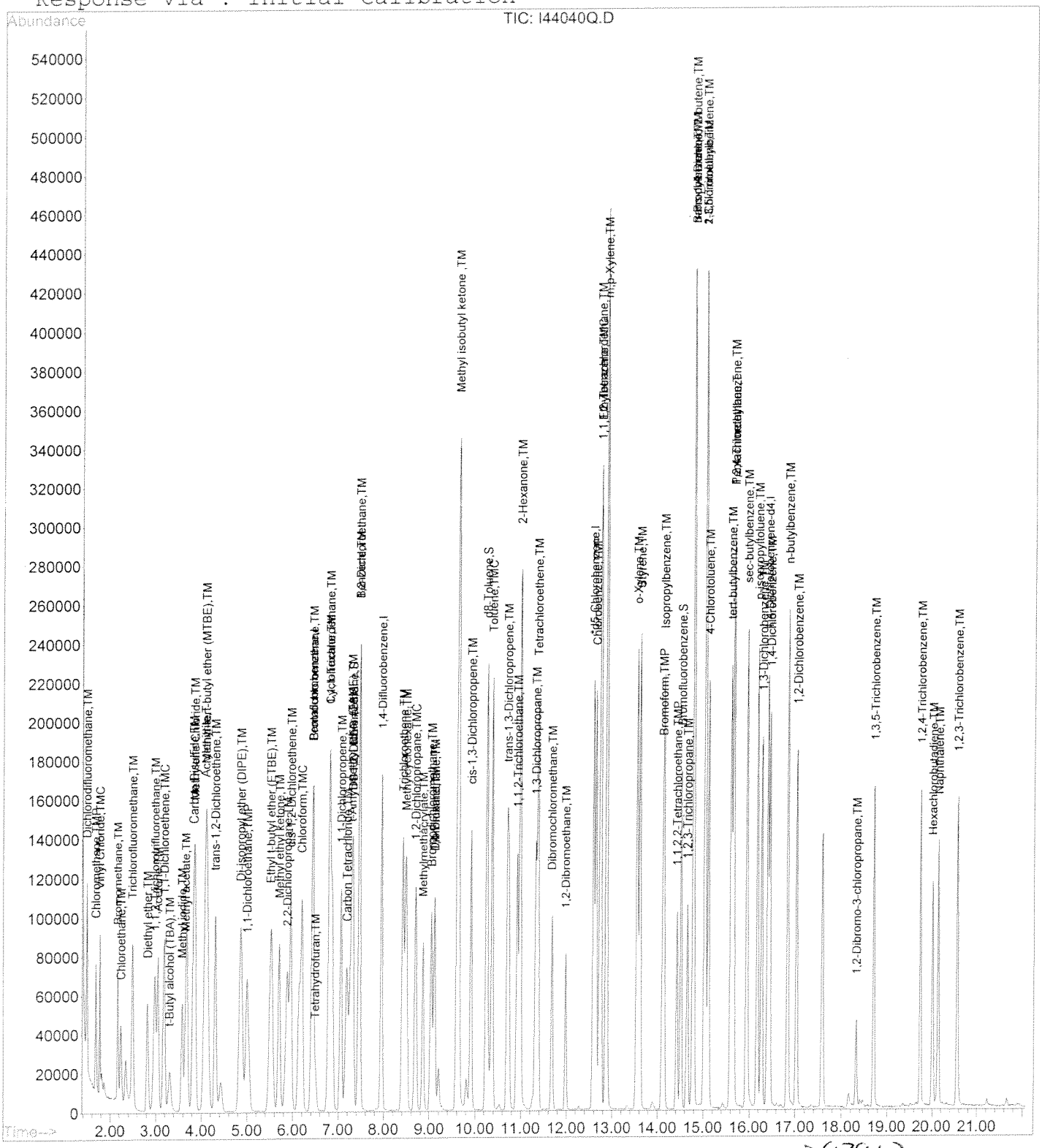
Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44040Q.D
Acq On : 28 Sep 2010 8:51 pm
Sample : LL09280I3
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010

Vial: 29
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/28/10



S92910

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44041Q.D
Acq On : 28 Sep 2010 9:19 pm
Sample : LL09280I4
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010

Vial: 30
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	115252	20.00	ug/L	0.03
39) 1,4-Difluorobenzene	7.94	114	212805 ✓	20.00	ug/L	0.02
63) *d5-Chlorobenzene	12.58	117	187976	20.00	ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.40	152	79639	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.31	65	97104	19.72	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.60%✓			
36) d4-1,2-Dichloroethane	7.31	65	97104	19.72	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.60% ✓			
54) d8-Toluene	10.25	98	231080	20.20	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.00% ✓			
73) Bromofluorobenzene	14.52	95	94463	19.68	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.40% ✓			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.49	85	77123	19.09	ug/L	100
3) Chloromethane	1.68	50	67090	19.21	ug/L	97
4) Vinyl Chloride	1.78	62	62148	20.25	ug/L	98
5) Bromomethane	2.17	94	49038	20.40	ug/L	99
6) Chloroethane	2.24	64	36803	21.64	ug/L	90
7) t-Butyl alcohol (TBA)	3.31	59	51248	99.20	ug/L	99
8) Trichlorofluoromethane	2.50	101	110203	18.06	ug/L	98
9) Diethyl ether	2.82	74	29956	20.12	ug/L	95
10) 1,1,2-Trichlorotrifluoroet	2.97	101	58788	18.08	ug/L	96
12) Acetone	3.05	43	142952	106.22	ug/L	99
13) 1,1-Dichloroethene	3.18	96	53010	19.23	ug/L	97
14) Methyl iodide	3.58	142	101306	23.88	ug/L	99
15) Di-isopropyl ether (DIPE)	4.86	45	212704	19.18	ug/L	98
16) Methylene Chloride	3.85	84	74791	16.59	ug/L	98
17) Carbon Disulfide	3.83	76	181909	20.08	ug/L	100
18) Acrylonitrile	4.07	53	27113	21.55	ug/L	95
19) Methyl-tert-butyl ether (M	4.10	73	361871	39.64	ug/L	98
20) trans-1,2-Dichloroethene	4.31	96	63224	19.03	ug/L	98
21) 1,1-Dichloroethane	5.00	63	122367	19.64	ug/L	99
23) Methyl ethyl ketone	5.70	72	39562	106.47	ug/L	85
24) Ethyl t-butyl ether (ETBE)	5.52	59	221565	19.52	ug/L	99
25) 2,2-Dichloropropane	5.88	77	96573	19.34	ug/L	97
26) cis-1,2-Dichloroethene	5.95	96	74308	20.40	ug/L	98
27) t-Amyl methyl ether (TAME)	7.27	73	172441	19.59	ug/L	98
29) Chloroform	6.20	83	124143	19.79	ug/L	100
30) Bromochloromethane	6.45	128	37222	20.69	ug/L #	87
31) Tetrahydrofuran	6.50	71	8471	20.85	ug/L	90

(#) = qualifier out of range (m) = manual integration

J 9/29/10

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44041Q.D
Acq On : 28 Sep 2010 9:19 pm
Sample : LL09280I4
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010

Vial: 30
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32) 1,1,1-Trichloroethane	6.81	97	106194	20.43 ug/L	95
34) 1,1-Dichloropropene	7.06	75	86359	19.43 ug/L	95
35) Carbon Tetrachloride	7.19	119	86907	20.75 ug/L	96
37) 1,2-Dichloroethane	7.46	62	114781	19.81 ug/L	100
38) Benzene	7.45	78	210986	19.12 ug/L	99
40) Trichloroethene	8.41	95	71356	20.38 ug/L	94
41) 1,2-Dichloropropane	8.69	63	62781	19.64 ug/L	99
42) Methylmethacrylate	8.85	69	45994	21.21 ug/L	96
43) Methyl acetate	3.66	43	73843	22.62 ug/L	97
44) Cyclohexane	6.80	56	81422	16.32 ug/L #	84
45) Bromodichloromethane	9.04	83	94349	19.60 ug/L	99
46) Dibromomethane	9.11	93	55424	19.57 ug/L	97
47) 1,4-Dioxane	9.11	88	22275	504.73 ug/L	93
48) Methylcyclohexane	8.48	83	91808	19.67 ug/L	98
51) 2-Hexanone	10.98	58	153528	107.59 ug/L	94
52) Methyl isobutyl ketone	9.63	58	147274	102.03 ug/L	97
53) cis-1,3-Dichloropropene	9.90	75	103785	20.47 ug/L	96
55) Toluene	10.37	92	138117	19.64 ug/L	97
56) trans-1,3-Dichloropropene	10.69	75	92649	18.61 ug/L	99
58) 1,1,2-Trichloroethane	10.92	83	48641	20.16 ug/L	95
59) 1,3-Dichloropropane	11.31	76	95393	20.56 ug/L	97
60) Tetrachloroethene	11.36	166	88384	29.10 ug/L	97
61) Dibromochloromethane	11.68	129	74760	20.68 ug/L	97
62) 1,2-Dibromoethane	11.98	107	75973	20.93 ug/L	100
64) Chlorobenzene	12.64	112	167252	19.43 ug/L	98
65) 1,1,1,2-Tetrachloroethane	12.72	131	59845	19.92 ug/L	93
66) Ethylbenzene	12.75	91	266217	19.33 ug/L	98
67) m,p-Xylene	12.87	106	202213	39.12 ug/L	94
68) o-Xylene	13.55	106	98961	19.59 ug/L	92
69) Styrene	13.61	104	175158	19.72 ug/L	100
70) Bromoform	14.10	173	46080	20.52 ug/L	99
71) Isopropylbenzene	14.13	105	227746	17.36 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.42	83	75636	18.86 ug/L	99
74) 1,2,3-Trichloropropane	14.64	75	61566	19.89 ug/L	93
75) trans-1,4-Dichloro-2-buten	14.79	88	13164	20.31 ug/L #	42
76) n-Propylbenzene	14.77	91	310387	19.22 ug/L	95
77) Bromobenzene	14.79	156	63913	19.88 ug/L #	90
78) 1,3,5-Trimethylbenzene	15.03	105	210823	19.52 ug/L	97
79) 2-Chlorotoluene	15.02	91	209760	19.37 ug/L	95
80) 4-Chlorotoluene	15.11	91	184620	18.40 ug/L	97
81) tert-butylbenzene	15.60	119	210725	23.22 ug/L	94
82) 1,2,4-Trimethylbenzene	15.65	105	213112	18.65 ug/L	97

(#) = qualifier out of range (m) = manual integration

J 9/29/10

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44041Q.D
Acq On : 28 Sep 2010 9:19 pm
Sample : LL09280I4
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010

Vial: 30
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
83)	Pentachloroethane	15.66	167	13186	7.62 ug/L	96
84)	sec-butylbenzene	15.93	105	281311	20.02 ug/L	98
85)	p-isopropyltoluene	16.17	119	211410	19.12 ug/L	97
86)	1,3-Dichlorobenzene	16.27	146	107972	19.15 ug/L	97
88)	1,4-Dichlorobenzene	16.45	146	108717	19.20 ug/L	99
89)	n-butylbenzene	16.83	91	217726	19.87 ug/L	97
90)	1,2-Dichlorobenzene	17.03	146	103416	19.96 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.32	75	15598	20.58 ug/L	91
94)	1,2,4-Trichlorobenzene	19.74	180	67331	18.48 ug/L	98
95)	Hexachlorobutadiene	20.00	225	30719	20.09 ug/L	100
96)	Naphthalene	20.13	128	148087	22.01 ug/L	98
97)	1,2,3-Trichlorobenzene	20.56	180	66113	20.50 ug/L	98
98)	1,3,5-Trichlorobenzene	18.70	180	73679	18.47 ug/L	98

J9290

(#) = qualifier out of range (m) = manual integration

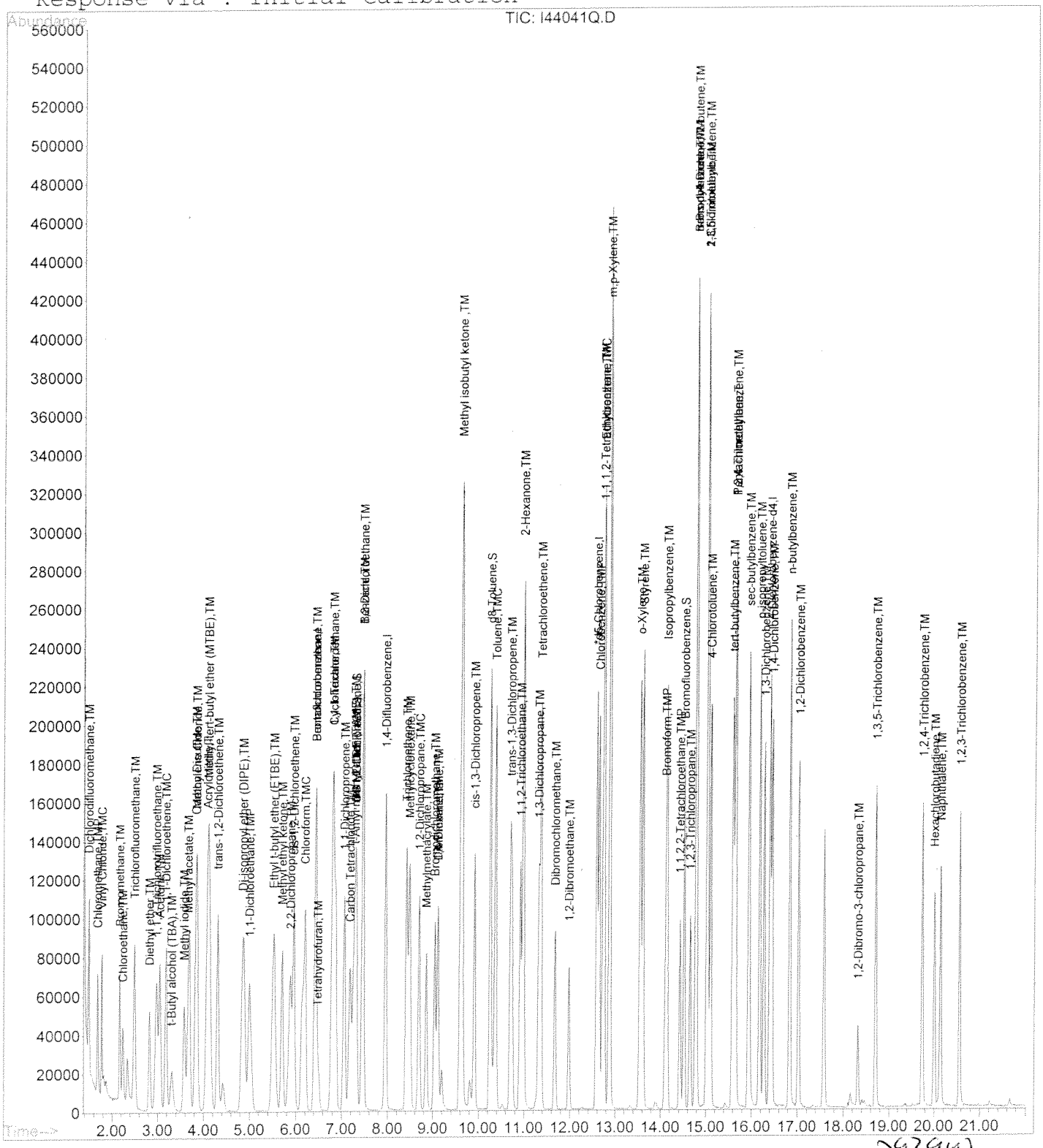
Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44041Q.D
Acq On : 28 Sep 2010 9:19 pm
Sample : LL09280I4
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:56 2010

Vial: 30
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



9/29/10

GC/MS Volatiles Instrument I:

Analytics environmental laboratory LLC

IS only –

SS+IS V9055

Voltage: 1671

Threshold: 100

Exp: –

Exp: 10/11/10

092710-I

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-I-092710-1-MT							
–		Blk Desorb	–				I43991	MT	NA
–		Blk Run-No Encon	–				92		
–		Blk-step to purge	–				93		
1		Blk	5mL				94		
2		Low soil Blk	5.00				95		
3		⊥	5.00				96		
4		1ppb Test	5mL				97		
5		Blk					98		
6		Blk					99		
7	VS092710I	BFB 50ng		2ul	V9050	✓	T44000T		
8		Blk					01		
9		1ppb		.25ul	V9057 V9053	✓	02si		
10		2ppb		.5ul		✓	03si		
11		5ppb		1.25ul		✓	04si		
12		20ppb		5ul		✓	05si		
13		50ppb		12.5ul		✓	06si		
14		100ppb		25ul	⊥	✓	07si		
15		Blk					08		
16		Blk					09		
17		20ppb KV		5ul	V9088 V9043	✓ All ok	10Q		
18	⊥	20ppb KV	⊥	⊥	⊥	✓ Methyl Iodide ↑ 130%	11Q	⊥	⊥

MT 9/28/10

GC/MS Volatiles Instrument I:

Analytics environmental laboratory LLC

IS only —

SS+IS V9055

Voltage: 1671

Threshold: 100

Exp: —

Exp: 10/11/10

092810 I

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-I-092810-1-MT							
1	V5097701	BLK	5mL				I44012	MT	NA
2		BFB 50ng		2ml	V9050	✓	13T		7:51
3		20ppb		5ml	V9057 V9053	1,2DB3CP↑ ✓MeCl2↑, MEK↑, 2HX↑	14SC		
4		20ppb		⊥	⊥	✓ Methyl iodide↑	15SC		
5		LL092805	5.00			✓ Methyl iodide Marg↑ in both	16 2		
6		LL092801I2				✓ Vinyl Acetate Marg↑ in both, MEK Marg↑ in LL	17 2		
7		BLK	5mL				18		
8		Bromoform		5ml	V9049	✓	19		
9		LB092805I				✓Methyl iodide)	20B		
10		67834-10	5.00			✓	21		
11		-11	4.96			✓	22		
12		-12	4.73			✓	23		
13		67835-1	5.56			✓	24		
14		-6	5.37			✓	25		1:47
15		-5	5.89			✓	26		
16		-3	4.96			✓	27		
17		-4	5.78			✓	28		
18		67834-1	4.45			✓	29		
19		-2	5.32			✓	30		
20		-3	6.23			✓	31		
21		-4	5.14			✓	32		
22		-5	5.23			✓	33		
23		67835-2	4.89			✓	34		
24		-6, MS	5.56			✓ MeCl2, VAc↓ in both, HCBD↓ in MS only	35SP		
25		-6, MSD	5.34			✓ 1,2,4TCB, 1,2,3TCB Marg in MS only	36SP		
26		BFB 50ng	5mL	2ml	V9050	✓	37T		
27		20ppb		5ml	V9057 V9053	Nap, 1,2DB3CP All↑ ✓MEK, 2HEX, MIBK	38SC		
28		20ppb	⊥	⊥	⊥	✓ All OK	39SC		
29		LL092801I3	5.00			✓ VAc↓ in both PCE↑ in both	40 2		
30		LL092801I4	⊥			✓ All else OK	41 2		
31		BLK	5mL				42		
32		BLK					43		
33		BLK	⊥				44		
34		LB092801I2	5.00			✓	45		
35		cont # 8/31/10 #63				MeCl2 32	46		
36		9/28/10 #217	⊥			MeCl2 17	47		

cont on next page

GC/MS Volatiles Instrument I:

Analytics environmental laboratory LLC

IS only — Exp: —

SS+IS V9055 Exp: 10/11/10

Voltage: 1671

Threshold: 100

092810-I
CONT

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
37	VS092810I	Cont # 9/28/10 #288	5.00			$MeCl_2$ 3	I44048	NT	NA
38	↓	↓ #348	↓			$MeCl_2$ 17	49	↓	↓
39		67834-7	4.91			✓	50		
40		-8	5.53			✓	51		
41		-13	4.44			✓	52		
42		-14	6.21			✓	53		
43		-17	5.00			✓	54		
44		-16	4.73			✓	55		
45		-15	6.05			✓	56		
46	↓	-18	4.81			✓	57	↓	↓

NT 9/29/10

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

SDG: 67834
BFB File ID: I44000T.D
BFB Injection Date: 09/27/10
BFB Injection Time: 16:31

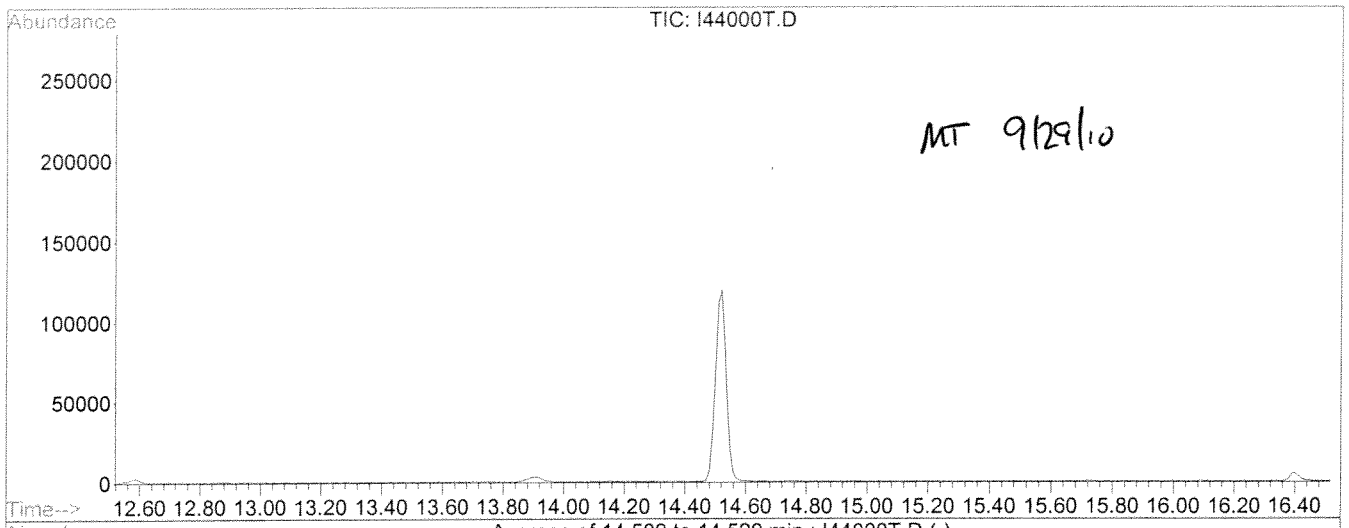
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
1 PPB	I44002SI.D	9/27/10 17:29
2 PPB	I44003SI.D	9/27/10 17:58
5 PPB	I44004SI.D	9/27/10 18:26
20 PPB	I44005SI.D	9/27/10 18:54
50 PPB	I44006SI.D	9/27/10 19:22
100 PPB	I44007SI.D	9/27/10 19:50
20 PPB ICV	I44010Q.D	9/27/10 21:15
20 PPB ICV2	I44011Q.D	9/27/10 21:44

Refer to the BFB report I44000T.D for ion ratio evaluation.

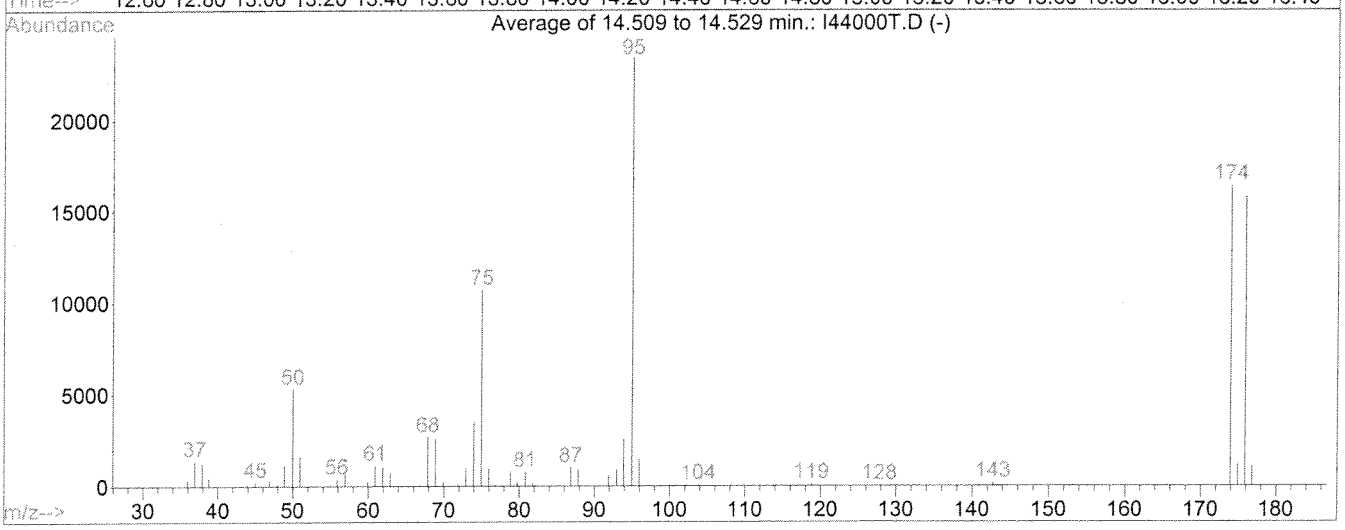
VOA FORM 5

BFB

Data File : C:\HPCHEM\1\DATA\092710-I\I44000T.D Vial: 7
Acq On : 27 Sep 2010 4:31 pm Operator: MT
Sample : BFB 50NG Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil



MT 9/29/10



AutoFind: Scans 1334, 1335, 1336; Background Corrected with Scan 1327

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.6	5310	PASS
75	95	30	60	45.6	10699	PASS
95	95	100	100	100.0	23461	PASS
96	95	5	9	6.3	1477	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.9	16406	PASS
175	174	5	9	7.2	1182	PASS
176	174	95	101	96.6	15844	PASS
177	176	5	9	6.8	1071	PASS

✓

9/29/10

I44000T.D VS09270I.M Tue Sep 28 13:20:11 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

SDG: 67834
BFB File ID: I44013T.D
BFB Injection Date: 09/28/10
BFB Injection Time: 7:51

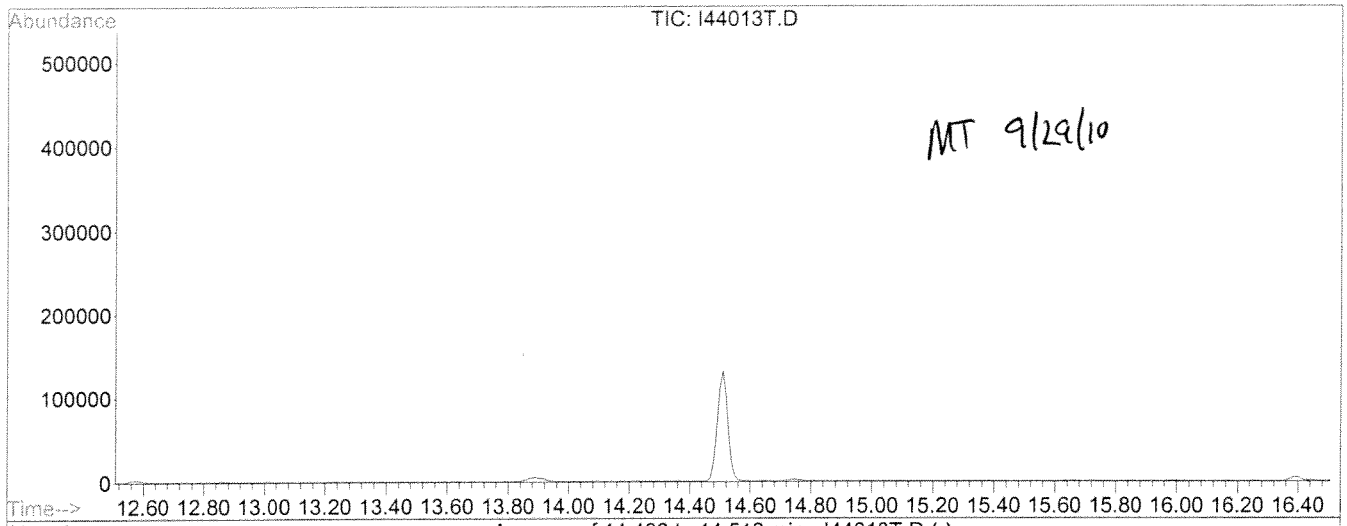
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
20 PPB	I44015SC.D	9/28/10 8:52
LL09280I	I44016Q.D	9/28/10 9:28
LL09280I2	I44017Q.D	9/28/10 9:55
67834-10	I44021.D	9/28/10 11:55
67834-11	I44022.D	9/28/10 12:23
67834-12	I44023.D	9/28/10 12:51
67834-1	I44029.D	9/28/10 15:40
67834-2	I44030.D	9/28/10 16:08
67834-3	I44031.D	9/28/10 16:37
67834-4	I44032.D	9/28/10 17:05
67834-5	I44033.D	9/28/10 17:33

Refer to the BFB report I44013T.D for ion ratio evaluation.

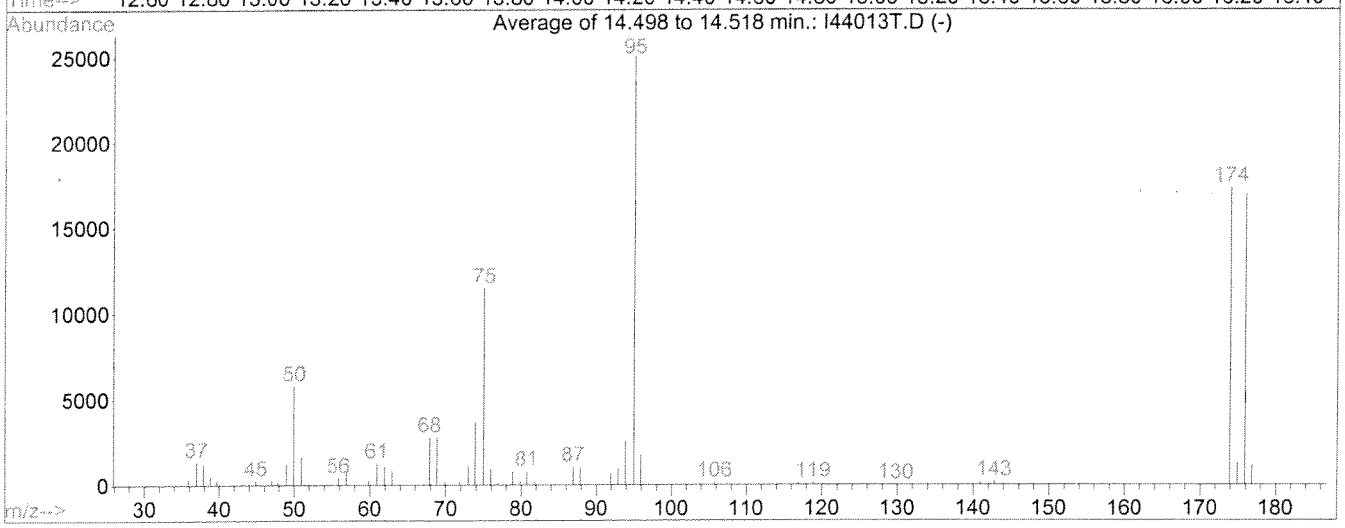
VOA FORM 5

BFB

Data File : C:\HPCHEM\1\DATA\092810-I\I44013T.D Vial: 2
Acq On : 28 Sep 2010 7:51 am Operator: MT
Sample : BFB 50NG Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil



MT 9/29/10



AutoFind: Scans 1333, 1334, 1335; Background Corrected with Scan 1326

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	5814	PASS
75	95	30	60	45.9	11497	PASS
95	95	100	100	100.0	25064	PASS
96	95	5	9	7.0	1752	PASS ✓
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.2	17339	PASS
175	174	5	9	7.4	1288	PASS
176	174	95	101	97.8	16958	PASS
177	176	5	9	6.7	1142	PASS

J92910

I44013T.D VS09270I.M Tue Sep 28 14:02:23 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

SDG: 67834
BFB File ID: I44037T.D
BFB Injection Date: 09/28/10
BFB Injection Time: 19:26

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
20 PPB	I44039SC.D	9/28/10 20:22
LL09280I3	I44040Q.D	9/28/10 20:51
LL09280I4	I44041Q.D	9/28/10 21:19
LB09280I2	I44045B.D	9/28/10 23:12
67834-7	I44050.D	9/29/10 1:33
67834-8	I44051.D	9/29/10 2:01
67834-13	I44052.D	9/29/10 2:30
67834-14	I44053.D	9/29/10 2:58
67834-17	I44054.D	9/29/10 3:26
67834-16	I44055.D	9/29/10 3:54
67834-15	I44056.D	9/29/10 4:23
67834-18	I44057.D	9/29/10 4:51

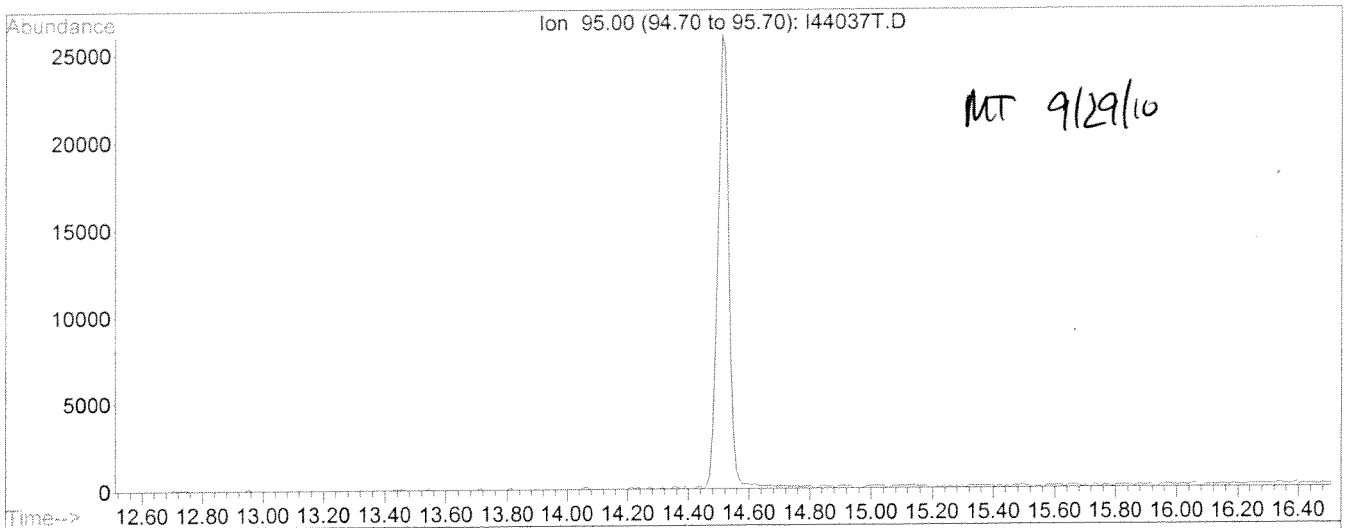
Refer to the BFB report I44037T.D for ion ratio evaluation.

VOA FORM 5

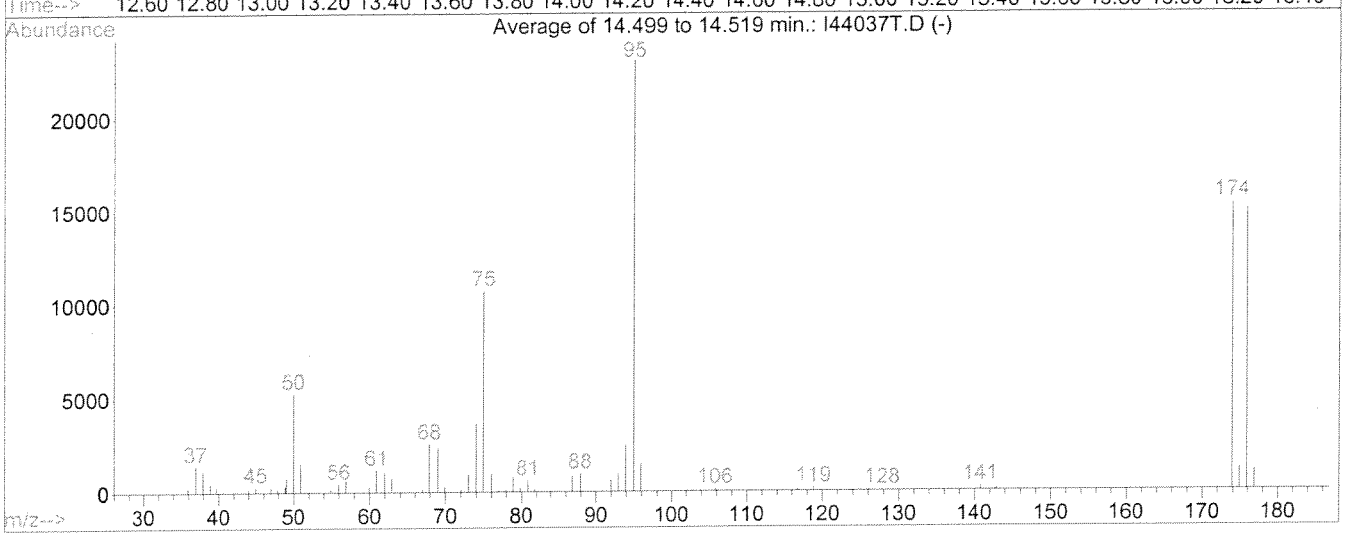
BFB

Data File : C:\HPCHEM\1\DATA\092810-I\I44037T.D
Acq On : 28 Sep 2010 7:26 pm
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil

Vial: 26
Operator: MT
Inst : Instrumen
Multiplr: 1.00



MT 9/29/10



AutoFind: Scans 1333, 1334, 1335; Background Corrected with Scan 1324

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.8	5266	PASS
75	95	30	60	46.5	10732	PASS
95	95	100	100	100.0	23101	PASS
96	95	5	9	6.5	1500	PASS ✓
173	174	0.00	2	0.0	0	PASS
174	95	50	100	66.4	15342	PASS
175	174	5	9	7.4	1138	PASS
176	174	95	101	97.9	15018	PASS
177	176	5	9	6.9	1039	PASS

9/29/10

I44037T.D VS09270I.M Tue Sep 28 20:37:42 2010

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

Calibration Files
1 =I44002SI.D 2 =I44003SI.D 5 =I44004SI.D
20 =I44005SI.D 50 =I44006SI.D 100 =I44007SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------	----------	----------	ISTD	----------	----------		
2)	TM	Dichlorodifluoromet	0.704	0.724	0.691	0.669	0.719	0.701	0.701	2.88
3)	TMP	Chloromethane		0.721	0.596	0.560	0.578	0.576	0.606✓	10.82
4)	TMC	Vinyl Chloride	0.514	0.578	0.544	0.507	0.527	0.525	0.532	4.80#✓
5)	TM	Bromomethane	0.507	0.444	0.403	0.370	0.363		0.417	14.23
6)	TM	Chloroethane	0.275	0.326	0.298	0.288	0.297	0.286	0.295	5.83
7)	TM	t-Butyl alcohol (TB	0.089	0.077	0.086	0.099	0.091	0.095	0.090#	8.49
8)	TM	Trichlorofluorometh	1.073	1.149	1.044	1.015	1.058	1.012	1.059	4.76
9)	TM	Diethyl ether	0.257	0.250	0.253	0.261	0.269	0.261	0.258	2.58
10)	TM	1,1,2-Trichlorotrif	0.518	0.579	0.561	0.555	0.589	0.584	0.564	4.66
11)	T	Acrolein							0.000#	-1.00
12)	TM	Acetone		0.250	0.238	0.241	0.221	0.218	0.234	5.78
13)	TMC	1,1-Dichloroethene	0.460	0.477	0.486	0.462	0.497	0.487	0.478	3.08#✓
14)	TM	Methyl iodide	0.673	0.628	0.667	0.716	0.855	0.879	0.736	14.33
15)	TM	Di-isopropyl ether	1.989	1.861	1.878	1.902	1.974	1.944	1.925	2.72
16)	TM	Methylene Chloride	3.921	2.283	1.331	0.735	0.648	0.603	1.587	~~-82.53~~ Lin
17)	TM	Carbon Disulfide	1.577	1.592	1.556	1.516	1.625	1.569	1.572	2.32
18)	T	Acrylonitrile	0.229	0.207	0.204	0.236	0.217	0.218	0.218	5.63
19)	TM	Methyl-tert-butyl e	1.591	1.544	1.533	1.590	1.625	1.621	1.584	2.42
20)	TM	trans-1,2-Dichloroe	0.593	0.579	0.574	0.547	0.595	0.571	0.577	3.03
21)	TMP	1,1-Dichloroethane	1.061	1.119	1.072	1.047	1.103	1.084	1.081✓	2.46
22)	TM	Vinyl acetate		0.068	0.078	0.088	0.091	0.093	0.084#	12.75
23)	TM	Methyl ethyl ketone	0.061	0.061	0.062	0.071	0.065	0.066	0.064#	6.06
24)	TM	Ethyl t-butyl ether	1.934	1.909	1.936	1.970	2.035	2.033	1.969	2.73
25)	TM	2,2-Dichloropropane	0.854	0.877	0.845	0.835	0.898	0.891	0.866	2.97
26)	TM	cis-1,2-Dichloroeth	0.588	0.665	0.634	0.615	0.649	0.641	0.632	4.28
27)	TM	t-Amyl methyl ether	1.557	1.493	1.450	1.530	1.578	1.557	1.528	3.13
28)	S	DB HOLDER #28	0.865	0.839	0.836	0.867	0.848	0.875	0.855	1.90
29)	TMC	Chloroform	1.097	1.081	1.064	1.052	1.131	1.105	1.088	2.65#✓
30)	TM	Bromochloromethane	0.286	0.309	0.294	0.324	0.332	0.327	0.312	6.07
31)	TM	Tetrahydrofuran	0.062	0.065	0.076	0.074	0.075	0.071	0.071#	7.75
32)	TM	1,1,1-Trichloroetha	0.870	0.910	0.877	0.879	0.947	0.930	0.902	3.52
33)	T	NO COMPOUND							0.000#	-1.00
34)	TM	1,1-Dichloropropene	0.798	0.763	0.750	0.737	0.801	0.779	0.771	3.36
35)	TM	Carbon Tetrachlorid	0.669	0.737	0.712	0.704	0.770	0.769	0.727	5.45
36)	S	d4-1,2-Dichloroetha	0.865	0.839	0.836	0.867	0.848	0.875	0.855	1.90
37)	TM	1,2-Dichloroethane	1.025	0.982	0.960	1.004	1.043	1.018	1.005	2.99
38)	TM	Benzene	1.980	1.978	1.891	1.857	1.926	1.856	1.915	2.93
39)	I	1,4-Difluorobenzene	----------	----------	----------	ISTD	----------	----------		
40)	TM	Trichloroethene	0.335	0.335	0.326	0.322	0.335	0.322	0.329	1.98
41)	TMC	1,2-Dichloropropane	0.321	0.307	0.286	0.289	0.307	0.292	0.300	4.49#✓
42)	TM	Methylmethacrylate	0.187	0.198	0.195	0.213	0.216	0.213	0.204	5.94
43)	TM	Methyl acetate	0.344	0.336	0.297	0.300	0.283	0.282	0.307	8.74

J 9/29/10

(#) = Out of Range

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

Calibration Files
1 =I44002SI.D 2 =I44003SI.D 5 =I44004SI.D
20 =I44005SI.D 50 =I44006SI.D 100 =I44007SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
44)	TM	Cyclohexane	0.467	0.485	0.461	0.455	0.484	0.461	0.469	2.74
45)	TM	Bromodichloromethan	0.446	0.451	0.441	0.448	0.474	0.455	0.452	2.52
46)	TM	Dibromomethane	0.250	0.266	0.267	0.268	0.278	0.268	0.266	3.44
47)	TM	1,4-Dioxane	0.004	0.004	0.004	0.005	0.004	0.004	0.004#	5.87
48)	TM	Methylcyclohexane	0.408	0.453	0.432	0.429	0.464	0.445	0.439	4.47
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl							0.000#	-1.00
51)	TM	2-Hexanone	0.127	0.128	0.133	0.145	0.137	0.134	0.134	5.05
52)	TM	Methyl isobutyl ket	0.131	0.133	0.134	0.145	0.138	0.132	0.136	3.92
53)	TM	cis-1,3-Dichloropro	0.458	0.489	0.463	0.465	0.501	0.483	0.477	3.59
54)	S	d8-Toluene	1.088	1.077	1.077	1.083	1.048	1.077	1.075	1.28
55)	TMC	Toluene	0.691	0.686	0.646	0.635	0.670	0.639	0.661	3.71#✓
56)	TM	trans-1,3-Dichlorop	0.432	0.467	0.457	0.470	0.496	0.485	0.468	4.77
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.217	0.225	0.232	0.233	0.232	0.222	0.227	2.87
59)	TM	1,3-Dichloropropane	0.422	0.440	0.431	0.440	0.447	0.435	0.436	2.05
60)	TM	Tetrachloroethene	0.278	0.292	0.279	0.278	0.296	0.290	0.285	2.83
61)	TM	Dibromochloromethan	0.313	0.331	0.327	0.346	0.362	0.359	0.340	5.68
62)	TM	1,2-Dibromoethane	0.335	0.330	0.335	0.348	0.353	0.346	0.341	2.75
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	0.925	0.913	0.917	0.884	0.951	0.904	0.916✓	2.42
65)	TM	1,1,1,2-Tetrachloro	0.325	0.315	0.312	0.309	0.336	0.320	0.320	3.07
66)	TMC	Ethylbenzene	1.449	1.516	1.433	1.421	1.546	1.425	1.465	3.61#✓
67)	TM	m,p-Xylene	0.563	0.571	0.543	0.524	0.571	0.528	0.550	3.87
68)	TM	o-Xylene	0.530	0.539	0.532	0.529	0.562	0.533	0.538	2.32
69)	TM	Styrene	0.914	0.941	0.935	0.927	1.004	0.948	0.945	3.30
70)	TMP	Bromoform	0.221	0.223	0.225	0.244	0.263	0.257	0.239✓	7.66
71)	TM	Isopropylbenzene	1.333	1.435	1.373	1.346	1.486	1.401	1.396	4.12
72)	TMP	1,1,2,2-Tetrachloro	0.429	0.416	0.423	0.434	0.434	0.424	0.427✓	1.64
73)	S	Bromofluorobenzene	0.512	0.509	0.511	0.506	0.512	0.514	0.511	0.58
74)	TM	1,2,3-Trichloroprop	0.336	0.336	0.319	0.331	0.334	0.321	0.329	2.25
75)	TM	trans-1,4-Dichloro-	0.055	0.059	0.068	0.076	0.078	0.077	0.069#	14.35
76)	TM	n-Propylbenzene	1.772	1.760	1.716	1.671	1.780	1.613	1.719	3.83
77)	TM	Bromobenzene	0.357	0.341	0.334	0.333	0.356	0.332	0.342	3.35
78)	TM	1,3,5-Trimethylbenz	1.122	1.184	1.134	1.103	1.213	1.140	1.149	3.59
79)	TM	2-Chlorotoluene	1.192	1.185	1.147	1.093	1.195	1.101	1.152	4.01
80)	TM	4-Chlorotoluene	1.051	1.119	1.028	1.039	1.112	1.057	1.067	3.59
81)	TM	tert-butylbenzene	0.907	0.981	0.877	0.963	1.070	0.996	0.966	7.08
82)	TM	1,2,4-Trimethylbenz	1.205	1.227	1.217	1.175	1.277	1.195	1.216	2.86
83)	T	Pentachloroethane	0.170	0.180	0.184	0.180	0.202	0.189	0.184	5.87
84)	TM	sec-butylbenzene	1.459	1.483	1.460	1.433	1.621	1.512	1.495	4.51
85)	TM	p-isopropyltoluene	1.137	1.158	1.131	1.141	1.281	1.211	1.176	5.00
86)	TM	1,3-Dichlorobenzene	0.601	0.611	0.584	0.583	0.624	0.595	0.600	2.67
87)	I	1,4-Dichlorobenzene-d	----------ISTD----------							

D929W

(#) = Out of Range

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

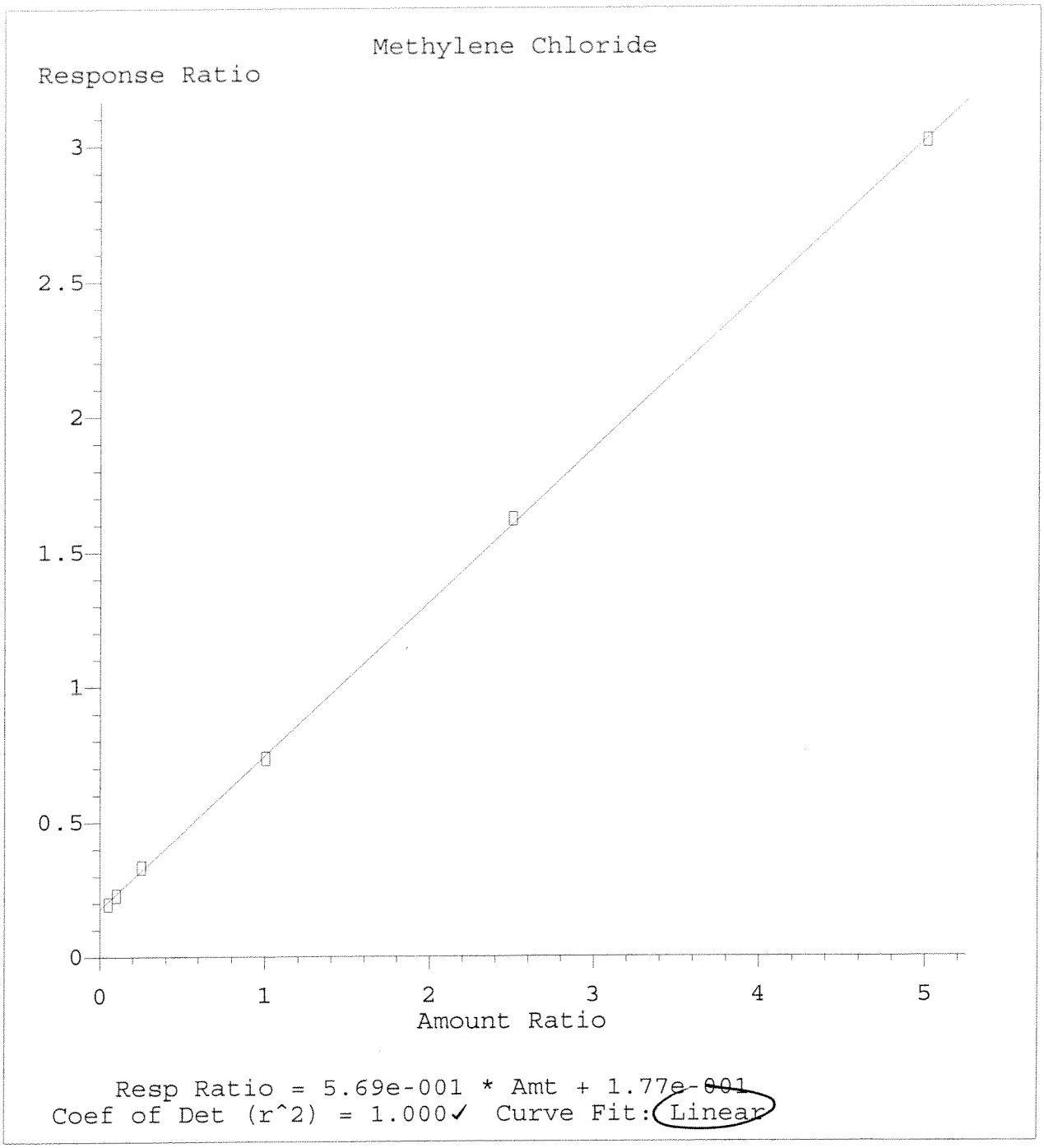
Calibration Files
1 =I44002SI.D 2 =I44003SI.D 5 =I44004SI.D
20 =I44005SI.D 50 =I44006SI.D 100 =I44007SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
88)	TM	1,4-Dichlorobenzene	1.425	1.509	1.405	1.338	1.450	1.404	1.422	3.99
89)	TM	n-butylbenzene	2.734	2.765	2.612	2.697	2.926	2.781	2.752	3.78
90)	TM	1,2-Dichlorobenzene	1.340	1.281	1.275	1.280	1.336	1.297	1.301	2.24
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.150	0.185	0.195	0.203	0.203	0.206	0.190	11.14
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	0.952	0.929	0.863	0.889	0.952	0.904	0.915	3.92
95)	TM	Hexachlorobutadiene	0.355	0.405	0.351	0.379	0.419	0.394	0.384	7.09
96)	TM	Naphthalene	1.115	1.270	1.310	1.621	1.811	1.934	1.510	~~21.68~~ 2nd
97)	TM	1,2,3-Trichlorobenz	0.780	0.846	0.759	0.803	0.850	0.823	0.810	4.49
98)	TM	1,3,5-Trichlorobenz	1.004	1.016	0.993	0.977	1.047	0.974	1.002	2.71

5/29/10

(#) = Out of Range

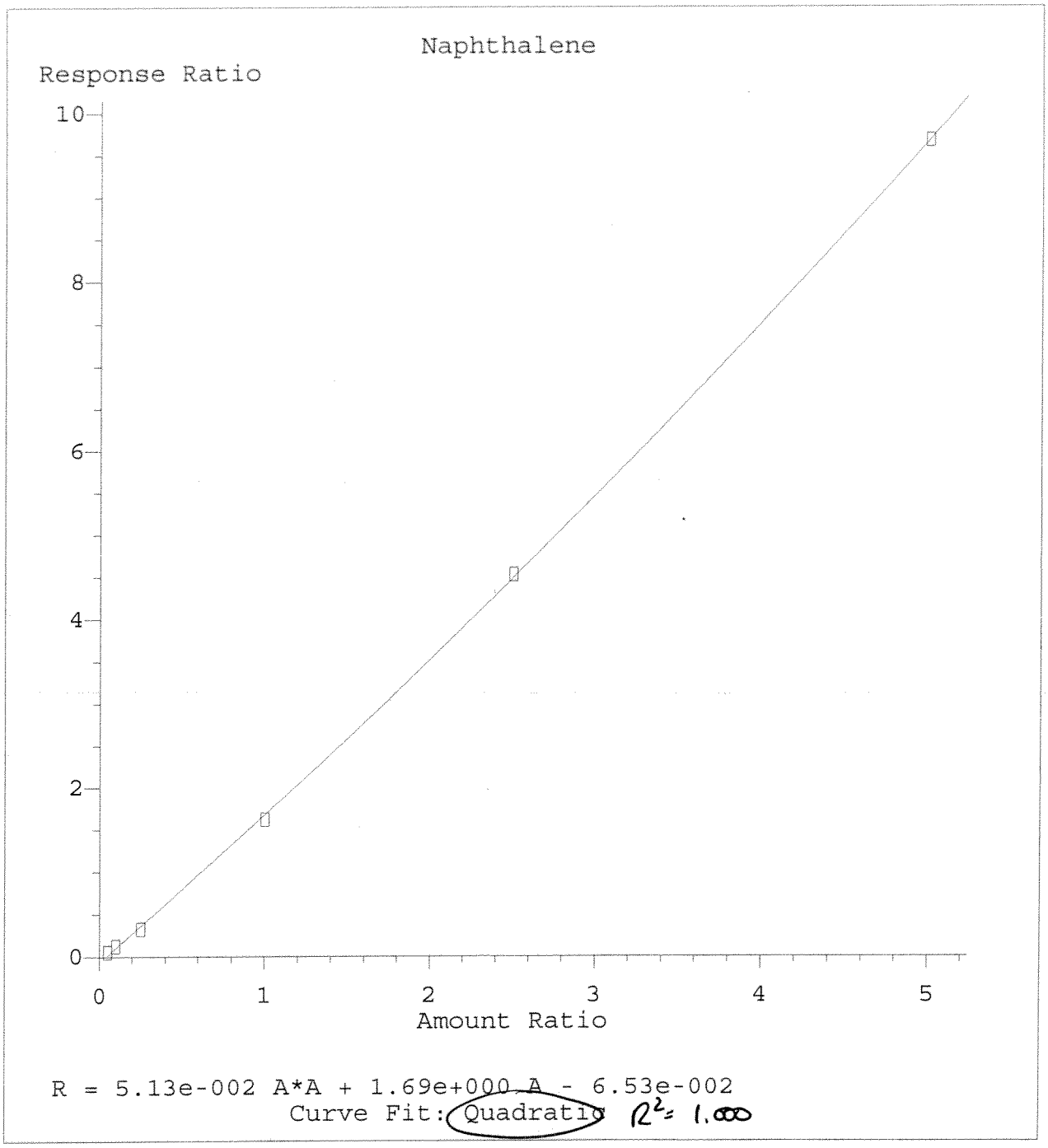
MT 9/29/10



Method Name: C:\HPCHEM\1\METHODS\VS09270I.M
Calibration Table Last Updated: Tue Sep 28 11:31:07 2010

J92910

MT 9/29/10



Method Name: C:\HPCHEM\1\METHODS\VS09270I.M
Calibration Table Last Updated: Tue Sep 28 11:31:07 2010

J92910

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\092710-I\I44002SI.D Vial: 9
Acq On : 27 Sep 2010 5:29 pm Operator: MT
Sample : 1 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:18 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	113651	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	209896	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.57	117	178137 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	77361	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB HOLDER #28	7.30	65	98320	16.95	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.75%			
36) d4-1,2-Dichloroethane	7.30	65	98320	16.95	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.75%			
54) d8-Toluene	10.23	98	228305	16.44	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 82.20%			
73) Bromofluorobenzene	14.50	95	91157	17.61	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.05%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	4000	0.52	ug/L	95
3) Chloromethane	1.67	50	4519	1.39	ug/L	95
4) Vinyl Chloride	1.77	62	2919	0.52	ug/L	96
5) Bromomethane	2.16	94	2879	2.40	ug/L #	74
6) Chloroethane	2.23	64	1566 m	0.46	ug/L	
7) t-Butyl alcohol (TBA)	3.30	59	2524	8.99	ug/L #	80
8) Trichlorofluoromethane	2.48	101	6097	0.67	ug/L	91
9) Diethyl ether	2.80	74	1463	Below Cal	#	30
10) 1,1,2-Trichlorotrifluoroet	2.97	101	2944	0.54	ug/L #	94
12) Acetone	3.04	43	9166	Below Cal		100
13) 1,1-Dichloroethene	3.17	96	2614	0.54	ug/L	97
14) Methyl iodide	3.55	142	3823	2.61	ug/L #	98
15) Di-isopropyl ether (DIPE)	4.85	45	11303	0.56	ug/L	100
16) Methylene Chloride	3.84	84	22284	Below Cal		96
17) Carbon Disulfide	3.81	76	8961	0.52	ug/L	100
18) Acrylonitrile	4.05	53	1300	0.70	ug/L	89
19) Methyl-tert-butyl ether (M	4.07	73	9041	0.63	ug/L	100
20) trans-1,2-Dichloroethene	4.28	96	3372	0.62	ug/L #	83
21) 1,1-Dichloroethane	4.97	63	6032	0.56	ug/L	92
22) Vinyl acetate	5.01	86	70	1.36	ug/L #	1
23) Methyl ethyl ketone	5.68	72	1724	3.20	ug/L	89
24) Ethyl t-butyl ether (ETBE)	5.51	59	10989	0.57	ug/L	100
25) 2,2-Dichloropropane	5.87	77	4851	0.59	ug/L	99
26) cis-1,2-Dichloroethene	5.94	96	3343	0.53	ug/L	91
27) t-Amyl methyl ether (TAME)	7.27	73	8845	0.59	ug/L	98
29) Chloroform	6.19	83	6236	0.56	ug/L	78
30) Bromochloromethane	6.43	128	1624	0.51	ug/L	92

(#) = qualifier out of range (m) = manual integration J92910

Data File : C:\HPCHEM\1\DATA\092710-I\I44002SI.D Vial: 9
Acq On : 27 Sep 2010 5:29 pm Operator: MT
Sample : 1 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:18 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
31)	Tetrahydrofuran	6.48	71	354	1.01 ug/L	#	57
32)	1,1,1-Trichloroethane	6.78	97	4944	0.56 ug/L		93
34)	1,1-Dichloropropene	7.03	75	4536	0.59 ug/L		89
35)	Carbon Tetrachloride	7.17	119	3803	0.56 ug/L		96
37)	1,2-Dichloroethane	7.44	62	5822	0.61 ug/L		98
38)	Benzene	7.43	78	11250	0.57 ug/L		89
40)	Trichloroethene	8.39	95	3517	0.70 ug/L		89
41)	1,2-Dichloropropane	8.68	63	3366	0.71 ug/L		86
42)	Methylmethacrylate	8.83	69	1960	0.70 ug/L		86
43)	Methyl acetate	3.63	43	3615	0.90 ug/L	#	87
44)	Cyclohexane	6.77	56	4903	0.70 ug/L		98
45)	Bromodichloromethane	9.02	83	4678	0.68 ug/L		94
46)	Dibromomethane	9.09	93	2620	0.69 ug/L		89
47)	1,4-Dioxane	9.09	88	1048	42.67 ug/L		96
48)	Methylcyclohexane	8.46	83	4286	0.67 ug/L		97
51)	2-Hexanone	10.96	58	6661	3.72 ug/L		97
52)	Methyl isobutyl ketone	9.61	58	6880	3.81 ug/L	#	72
53)	cis-1,3-Dichloropropene	9.89	75	4804	0.65 ug/L		97
55)	Toluene	10.35	92	7252	0.70 ug/L		94
56)	trans-1,3-Dichloropropene	10.69	75	4533	0.63 ug/L		98
58)	1,1,2-Trichloroethane	10.89	83	2274	0.66 ug/L	#	74
59)	1,3-Dichloropropane	11.30	76	4425	0.68 ug/L		88
60)	Tetrachloroethene	11.35	166	2922	0.61 ug/L		93
61)	Dibromochloromethane	11.65	129	3288	0.66 ug/L		98
62)	1,2-Dibromoethane	11.96	107	3515	0.72 ug/L		98
64)	Chlorobenzene	12.62	112	8241	0.98 ug/L		98
65)	1,1,1,2-Tetrachloroethane	12.71	131	2893	1.01 ug/L		91
66)	Ethylbenzene	12.72	91	12904	0.91 ug/L		99
67)	m,p-Xylene	12.85	106	10025	1.94 ug/L		91
68)	o-Xylene	13.52	106	4720	0.92 ug/L	#	86
69)	Styrene	13.59	104	8139	0.91 ug/L		95
70)	Bromoform	14.08	173	1972	1.00 ug/L		94
71)	Isopropylbenzene	14.11	105	11875	0.89 ug/L		100
72)	1,1,2,2-Tetrachloroethane	14.40	83	3820	1.08 ug/L		98
74)	1,2,3-Trichloropropane	14.63	75	2989	1.11 ug/L		92
75)	trans-1,4-Dichloro-2-buten	14.77	88	489	1.00 ug/L		83
76)	n-Propylbenzene	14.75	91	15781	0.93 ug/L		94
77)	Bromobenzene	14.77	156	3177	1.00 ug/L	#	85
78)	1,3,5-Trimethylbenzene	15.01	105	9991	0.88 ug/L		93
79)	2-Chlorotoluene	15.00	91	10621	0.94 ug/L		99
80)	4-Chlorotoluene	15.08	91	9357	0.89 ug/L		97
81)	tert-butylbenzene	15.57	119	8077	1.05 ug/L		99

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44002SI.D Vial: 9
Acq On : 27 Sep 2010 5:29 pm Operator: MT
Sample : 1 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:18 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.63	105	10733	0.90 ug/L	97
83)	Pentachloroethane	15.64	167	1513	1.35 ug/L	95
84)	sec-butylbenzene	15.92	105	12995	0.88 ug/L	95
85)	p-isopropyltoluene	16.15	119	10123	0.89 ug/L	95
86)	1,3-Dichlorobenzene	16.25	146	5353	0.94 ug/L	93
88)	1,4-Dichlorobenzene	16.43	146	5513	1.05 ug/L	93
89)	n-butylbenzene	16.81	91	10574	0.96 ug/L	99
90)	1,2-Dichlorobenzene	17.01	146	5183	1.11 ug/L	92
92)	1,2-Dibromo-3-chloropropan	18.29	75	580	0.47 ug/L #	36
94)	1,2,4-Trichlorobenzene	19.72	180	3682	1.14 ug/L	97
95)	Hexachlorobutadiene	19.98	225	1374	0.93 ug/L	86
96)	Naphthalene	20.11	128	4314	0.90 ug/L	96
97)	1,2,3-Trichlorobenzene	20.54	180	3019	1.19 ug/L	97
98)	1,3,5-Trichlorobenzene	18.68	180	3882	1.04 ug/L	89

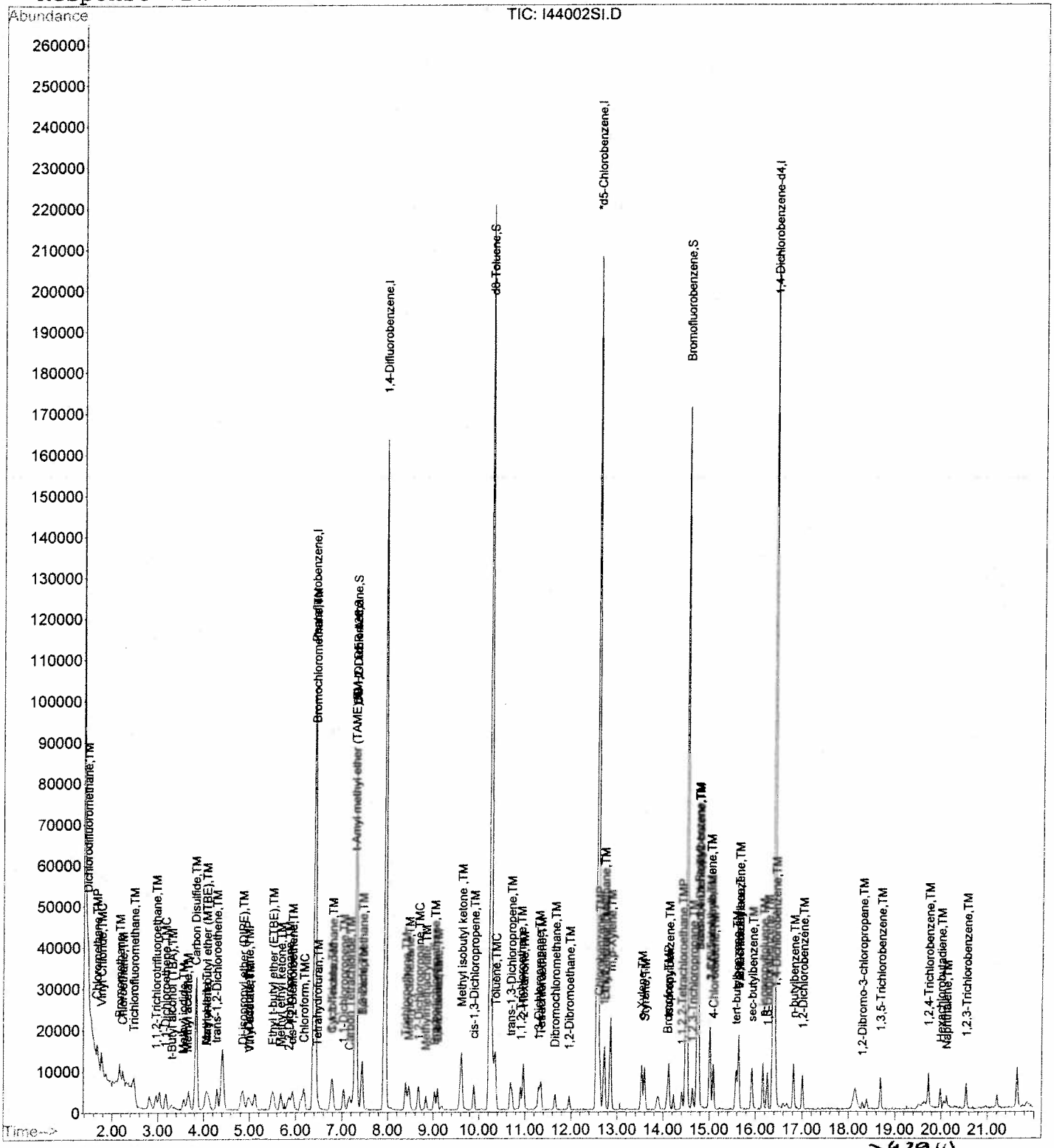
S42910

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092710-I\I44002SI.D Vial: 9
Acq On : 27 Sep 2010 5:29 pm Operator: MT
Sample : 1 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:18 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/28/10



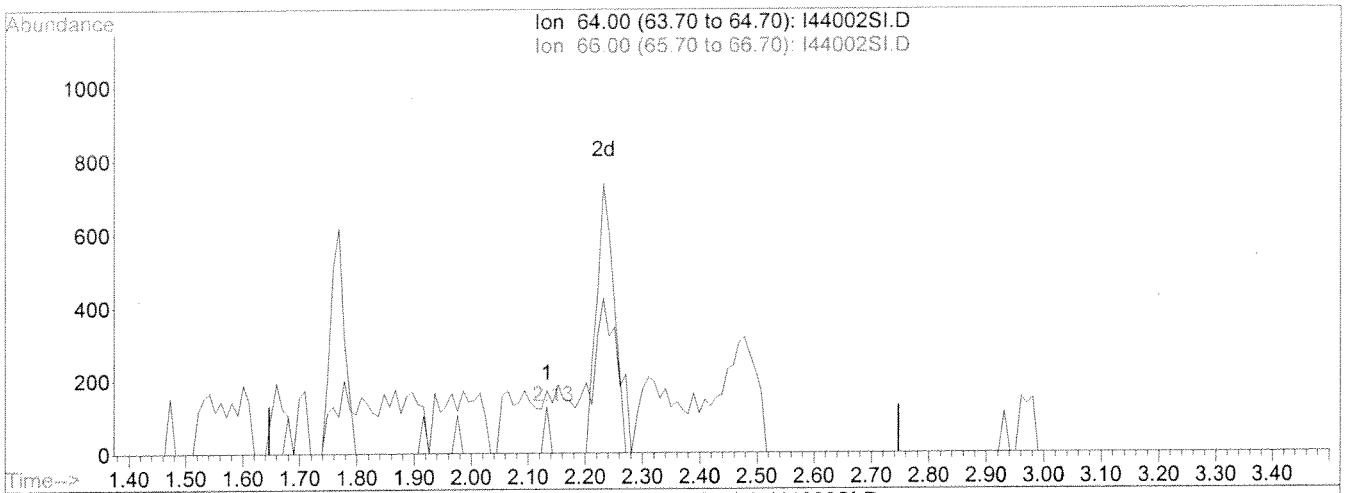
D929W

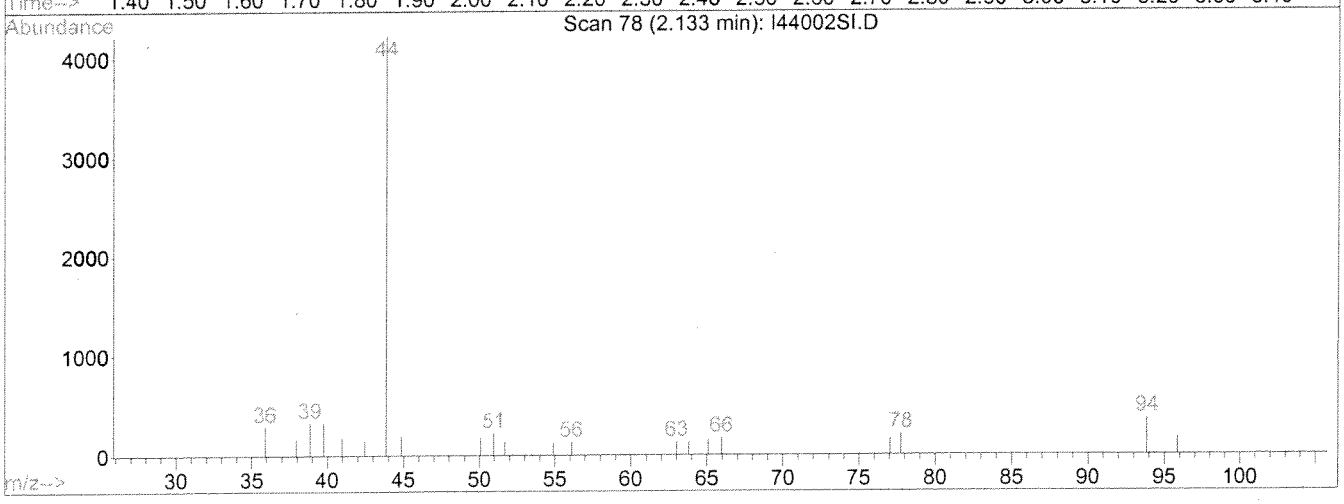
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\092710-I\I44002SI.D Vial: 9
Acq On : 27 Sep 2010 5:29 pm Operator: MT
Sample : 1 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Multiple Level Calibration

MT 9/29/10
M.P.





TIC: I44002SI.D

(6) Chloroethane (TM)

2.13min 0.02ug/L

response 76

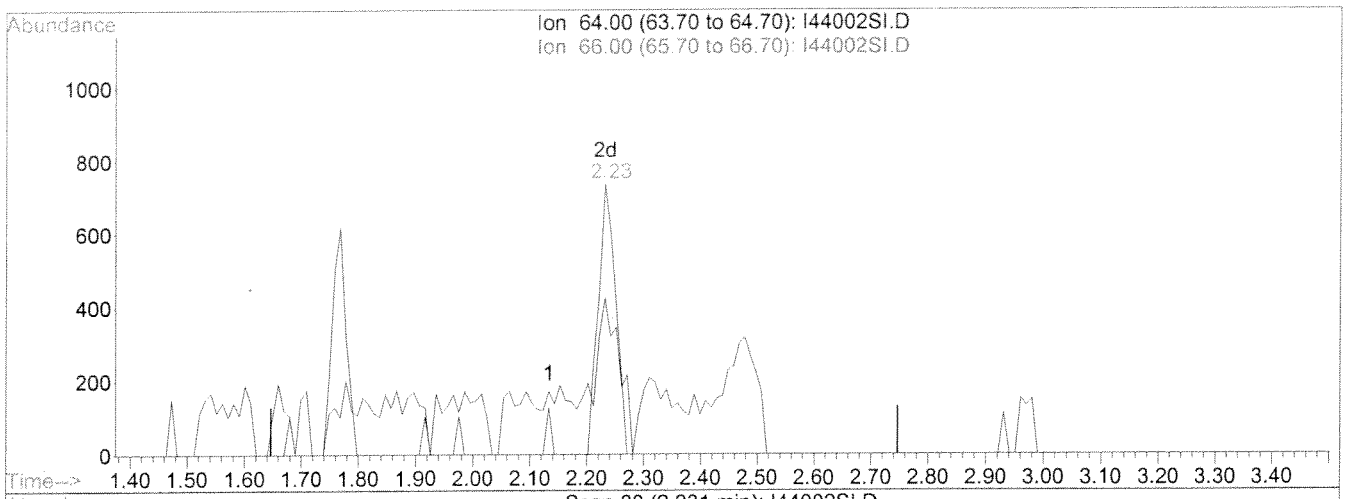
Ion	Exp%	Act%
64.00	100	100
66.00	27.00	38.28
0.00	0.00	0.00
0.00	0.00	0.00

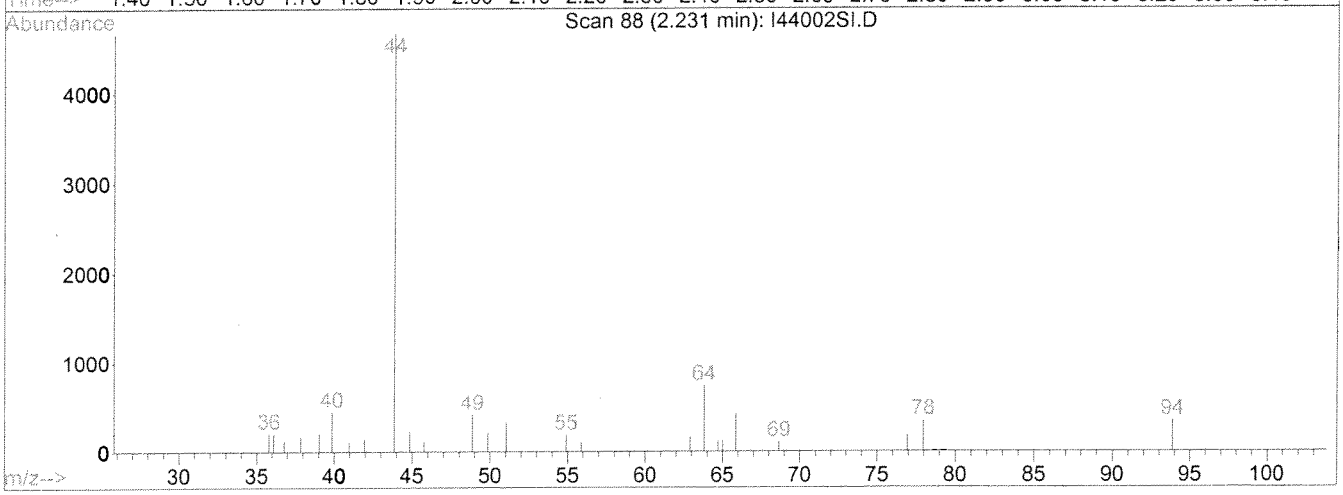
092910

Data File : C:\HPCHEM\1\DATA\092710-I\I44002SI.D Vial: 9
Acq On : 27 Sep 2010 5:29 pm Operator: MT
Sample : 1 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Multiple Level Calibration

MT 9/29/10





TIC: I44002SI.D

(6) Chloroethane (TM)

2.23min 0.46ug/L m

response 1565

Ion	Exp%	Act%
64.00	100	100
66.00	27.00	57.59#
0.00	0.00	0.00
0.00	0.00	0.00

9/29/10

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092710-I\I44003SI.D
Acq On : 27 Sep 2010 5:58 pm
Sample : 2 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010

Vial: 10
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	117322	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	213441	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	183482 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.37	152	78893	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB HOLDER #28	7.29	65	98375	16.43 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 82.15%		
36) d4-1,2-Dichloroethane	7.29	65	98375	16.43 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 82.15%		
54) d8-Toluene	10.22	98	229804	16.28 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 81.40%		
73) Bromofluorobenzene	14.49	95	93372	17.51 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.55%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	8498	1.07 ug/L	97
3) Chloromethane	1.67	50	8460	1.88 ug/L	93
4) Vinyl Chloride	1.77	62	6776	1.16 ug/L	94
5) Bromomethane	2.16	94	5204	2.90 ug/L	89
6) Chloroethane	2.23	64	3825	1.09 ug/L	95
7) t-Butyl alcohol (TBA)	3.30	59	4542	11.49 ug/L #	91
8) Trichlorofluoromethane	2.48	101	13485	1.43 ug/L	95
9) Diethyl ether	2.81	74	2933	Below Cal #	52
10) 1,1,2-Trichlorotrifluoroet	2.96	101	6797	1.21 ug/L	97
12) Acetone	3.03	43	14654	0.69 ug/L	97
13) 1,1-Dichloroethene	3.17	96	5601	1.13 ug/L #	87
14) Methyl iodide	3.56	142	7367	2.92 ug/L	99
15) Di-isopropyl ether (DIPE)	4.84	45	21833	1.05 ug/L	100
16) Methylene Chloride	3.84	84	26790	Below Cal	92
17) Carbon Disulfide	3.80	76	18683	1.06 ug/L	100
18) Acrylonitrile	4.04	53	2426	1.27 ug/L	93
19) Methyl-tert-butyl ether (M	4.09	73	18119	1.22 ug/L	97
20) trans-1,2-Dichloroethene	4.28	96	6788	1.21 ug/L	95
21) 1,1-Dichloroethane	4.96	63	13126	1.18 ug/L	99
22) Vinyl acetate	5.04	86	795	2.08 ug/L	75
23) Methyl ethyl ketone	5.68	72	3598	6.48 ug/L	92
24) Ethyl t-butyl ether (ETBE)	5.50	59	22392	1.13 ug/L	99
25) 2,2-Dichloropropane	5.86	77	10285	1.20 ug/L	100
26) cis-1,2-Dichloroethene	5.94	96	7804	1.21 ug/L #	87
27) t-Amyl methyl ether (TAME)	7.26	73	17516	1.14 ug/L	98
29) Chloroform	6.18	83	12682	1.11 ug/L	94
30) Bromochloromethane	6.42	128	3627	1.11 ug/L	91

(#) = qualifier out of range (m) = manual integration JJ 92910

Data File : C:\HPCHEM\1\DATA\092710-I\I44003SI.D
Acq On : 27 Sep 2010 5:58 pm
Sample : 2 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010

Vial: 10
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	6.48	71	767	1.64 ug/L #	71
32) 1,1,1-Trichloroethane	6.80	97	10681	1.17 ug/L	96
34) 1,1-Dichloropropene	7.03	75	8950	1.13 ug/L	98
35) Carbon Tetrachloride	7.16	119	8647	1.23 ug/L	96
37) 1,2-Dichloroethane	7.44	62	11517	1.17 ug/L	100
38) Benzene	7.43	78	23207	1.14 ug/L	96
40) Trichloroethene	8.38	95	7145	1.39 ug/L	99
41) 1,2-Dichloropropane	8.67	63	6553	1.36 ug/L	86
42) Methylmethacrylate	8.83	69	4235	1.48 ug/L	95
43) Methyl acetate	3.64	43	7163	1.75 ug/L	93
44) Cyclohexane	6.79	56	10352	1.45 ug/L	99
45) Bromodichloromethane	9.01	83	9617	1.37 ug/L	98
46) Dibromomethane	9.08	93	5681	1.47 ug/L	96
47) 1,4-Dioxane	9.08	88	2018	60.42 ug/L	95
48) Methylcyclohexane	8.46	83	9676	1.48 ug/L	98
51) 2-Hexanone	10.95	58	13643	7.49 ug/L	99
52) Methyl isobutyl ketone	9.61	58	14216	7.75 ug/L #	73
53) cis-1,3-Dichloropropene	9.88	75	10436	1.38 ug/L	99
55) Toluene	10.34	92	14650	1.40 ug/L	92
56) trans-1,3-Dichloropropene	10.68	75	9970	1.37 ug/L	93
58) 1,1,2-Trichloroethane	10.89	83	4811	1.37 ug/L	95
59) 1,3-Dichloropropane	11.29	76	9402	1.41 ug/L	88
60) Tetrachloroethene	11.34	166	6230	1.29 ug/L	98
61) Dibromochloromethane	11.65	129	7061	1.38 ug/L	92
62) 1,2-Dibromoethane	11.96	107	7034	1.42 ug/L	96
64) Chlorobenzene	12.62	112	16756	1.93 ug/L	98
65) 1,1,1,2-Tetrachloroethane	12.71	131	5779	1.97 ug/L	95
66) Ethylbenzene	12.73	91	27819	1.91 ug/L	100
67) m,p-Xylene	12.85	106	20966	3.93 ug/L	86
68) o-Xylene	13.53	106	9893	1.88 ug/L #	82
69) Styrene	13.58	104	17271	1.87 ug/L	91
70) Bromoform	14.08	173	4092	2.02 ug/L	96
71) Isopropylbenzene	14.12	105	26332	1.91 ug/L	97
72) 1,1,2,2-Tetrachloroethane	14.40	83	7636	2.09 ug/L	90
74) 1,2,3-Trichloropropane	14.63	75	6170	2.23 ug/L #	89
75) trans-1,4-Dichloro-2-buten	14.77	88	1088	2.16 ug/L	96
76) n-Propylbenzene	14.76	91	32288	1.84 ug/L	98
77) Bromobenzene	14.77	156	6260	1.90 ug/L	96
78) 1,3,5-Trimethylbenzene	15.01	105	21726	1.86 ug/L	100
79) 2-Chlorotoluene	15.00	91	21734	1.86 ug/L	99
80) 4-Chlorotoluene	15.08	91	20523	1.89 ug/L	99
81) tert-butylbenzene	15.57	119	17993	2.05 ug/L	96

(#) = qualifier out of range (m) = manual integration

092910

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092710-I\I44003SI.D
Acq On : 27 Sep 2010 5:58 pm
Sample : 2 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010

Vial: 10
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82) 1,2,4-Trimethylbenzene	15.62	105	22507	1.83 ug/L	99
83) Pentachloroethane	15.63	167	3295	2.49 ug/L	98
84) sec-butylbenzene	15.92	105	27209	1.80 ug/L	95
85) p-isopropyltoluene	16.16	119	21249	1.82 ug/L	97
86) 1,3-Dichlorobenzene	16.24	146	11218	1.91 ug/L	98
88) 1,4-Dichlorobenzene	16.43	146	11906	2.23 ug/L	92
89) n-butylbenzene	16.82	91	21813	1.95 ug/L	96
90) 1,2-Dichlorobenzene	17.00	146	10108	2.13 ug/L	98
92) 1,2-Dibromo-3-chloropropan	18.30	75	1459	2.07 ug/L	93
94) 1,2,4-Trichlorobenzene	19.72	180	7330	2.23 ug/L	95
95) Hexachlorobutadiene	19.98	225	3195	2.13 ug/L	94
96) Naphthalene	20.12	128	10022	3.31 ug/L	98
97) 1,2,3-Trichlorobenzene	20.54	180	6675	2.57 ug/L	97
98) 1,3,5-Trichlorobenzene	18.68	180	8017	2.11 ug/L	94

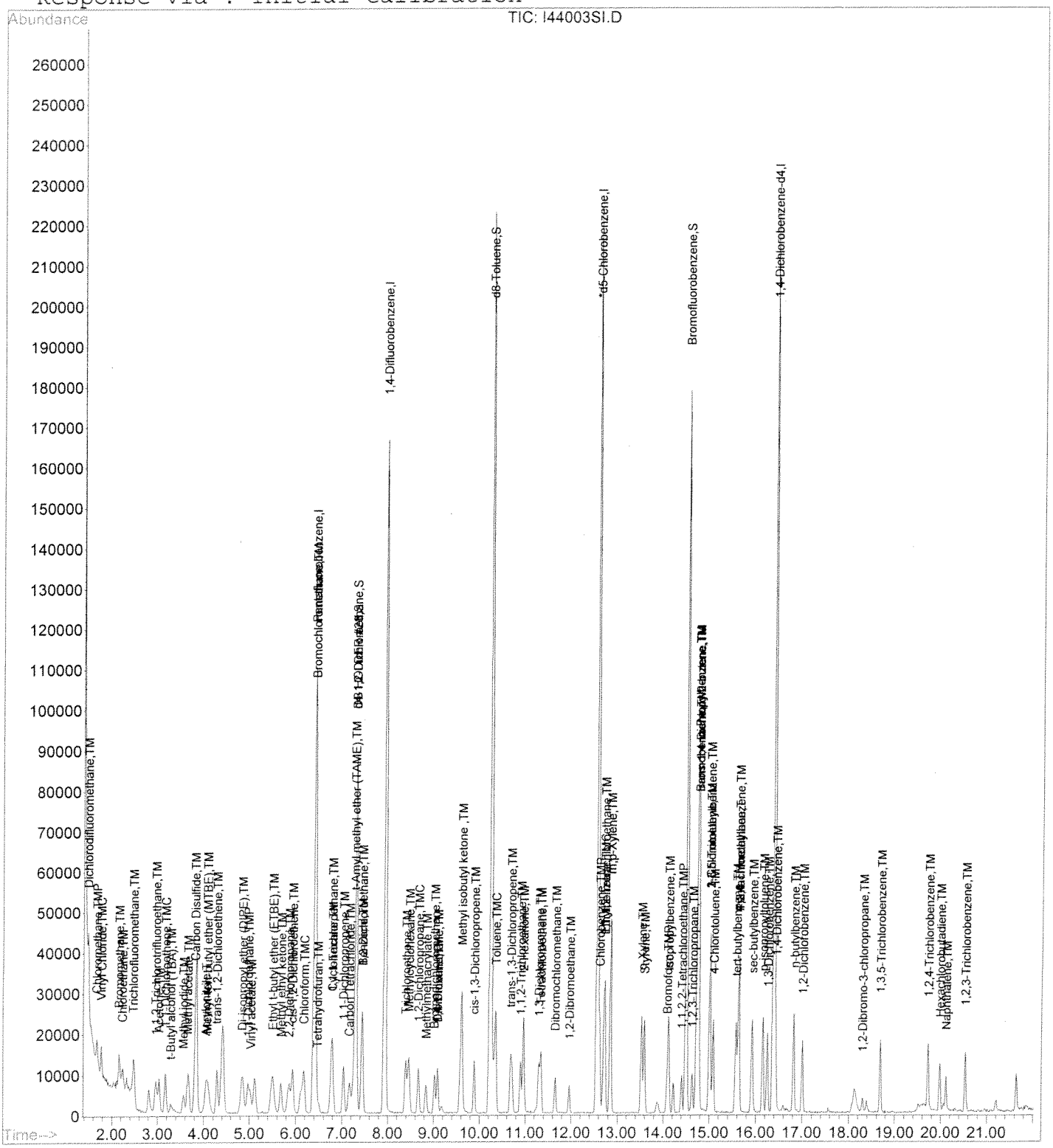
J 9/29/10

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092710-I\I44003SI.D Vial: 10
Acq On : 27 Sep 2010 5:58 pm Operator: MT
Sample : 2 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



J92910

Data File : C:\HPCHEM\1\DATA\092710-I\I44004SI.D Vial: 11
Acq On : 27 Sep 2010 6:26 pm Operator: MT
Sample : 5 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	112601	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.92	114	208170	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	178504 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	77316	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB HOLDER #28	7.29	65	94103	16.37 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 81.85%		
36) d4-1,2-Dichloroethane	7.29	65	94103	16.37 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 81.85%		
54) d8-Toluene	10.23	98	224226	16.28 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 81.40%		
73) Bromofluorobenzene	14.49	95	91284	17.60 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.00%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	19439	2.54 ug/L	98
3) Chloromethane	1.67	50	16790	3.06 ug/L	98
4) Vinyl Chloride	1.76	62	15326	2.74 ug/L	94
5) Bromomethane	2.16	94	11331	4.38 ug/L	93
6) Chloroethane	2.23	64	8383	2.49 ug/L	98
7) t-Butyl alcohol (TBA)	3.29	59	12120	21.94 ug/L	97
8) Trichlorofluoromethane	2.48	101	29376	3.24 ug/L	98
9) Diethyl ether	2.80	74	7115	0.83 ug/L #	85
10) 1,1,2-Trichlorotrifluoroet	2.96	101	15796	2.94 ug/L	99
12) Acetone	3.02	43	33434	11.00 ug/L	99
13) 1,1-Dichloroethene	3.16	96	13681	2.87 ug/L	88
14) Methyl iodide	3.55	142	18765	4.03 ug/L	100
15) Di-isopropyl ether (DIPE)	4.83	45	52876	2.64 ug/L	99
16) Methylene Chloride	3.82	84	37464	0.57 ug/L	98
17) Carbon Disulfide	3.79	76	43798	2.58 ug/L	100
18) Acrylonitrile	4.05	53	5741	3.13 ug/L	94
19) Methyl-tert-butyl ether (M	4.07	73	43149	3.03 ug/L	100
20) trans-1,2-Dichloroethene	4.28	96	16154	3.00 ug/L	99
21) 1,1-Dichloroethane	4.96	63	30186	2.82 ug/L	95
22) Vinyl acetate	5.01	86	2188	3.56 ug/L	96
23) Methyl ethyl ketone	5.67	72	8764	16.44 ug/L	98
24) Ethyl t-butyl ether (ETBE)	5.49	59	54500	2.87 ug/L	100
25) 2,2-Dichloropropane	5.84	77	23779	2.90 ug/L	94
26) cis-1,2-Dichloroethene	5.92	96	17843	2.88 ug/L	92
27) t-Amyl methyl ether (TAME)	7.25	73	40829	2.76 ug/L	99
29) Chloroform	6.17	83	29950	2.72 ug/L	92
30) Bromochloromethane	6.41	128	8285	2.64 ug/L #	86

(#) = qualifier out of range (m) = manual integration 9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44004SI.D Vial: 11
Acq On : 27 Sep 2010 6:26 pm Operator: MT
Sample : 5 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.47	71	2127	3.90 ug/L	87
32)	1,1,1-Trichloroethane	6.78	97	24687	2.81 ug/L	96
34)	1,1-Dichloropropene	7.02	75	21122	2.78 ug/L	97
35)	Carbon Tetrachloride	7.15	119	20046	2.97 ug/L	94
37)	1,2-Dichloroethane	7.43	62	27037	2.86 ug/L	98
38)	Benzene	7.43	78	53221	2.72 ug/L	100
40)	Trichloroethene	8.38	95	16969	3.40 ug/L	98
41)	1,2-Dichloropropane	8.66	63	14908	3.17 ug/L	98
42)	Methylmethacrylate	8.83	69	10138	3.63 ug/L	93
43)	Methyl acetate	3.64	43	15434	3.86 ug/L	98
44)	Cyclohexane	6.78	56	23973	3.44 ug/L	98
45)	Bromodichloromethane	9.02	83	22972	3.36 ug/L	99
46)	Dibromomethane	9.08	93	13899	3.68 ug/L	92
47)	1,4-Dioxane	9.07	88	5405	126.10 ug/L	97
48)	Methylcyclohexane	8.45	83	22486	3.52 ug/L	100
51)	2-Hexanone	10.96	58	34608	19.48 ug/L	98
52)	Methyl isobutyl ketone	9.60	58	34822	19.46 ug/L	99
53)	cis-1,3-Dichloropropene	9.88	75	24113	3.27 ug/L	97
55)	Toluene	10.35	92	33599	3.29 ug/L	94
56)	trans-1,3-Dichloropropene	10.67	75	23796	3.36 ug/L	99
58)	1,1,2-Trichloroethane	10.89	83	12068	3.53 ug/L	92
59)	1,3-Dichloropropane	11.29	76	22428	3.46 ug/L	97
60)	Tetrachloroethene	11.34	166	14515	3.07 ug/L	97
61)	Dibromochloromethane	11.66	129	17005	3.42 ug/L	99
62)	1,2-Dibromoethane	11.95	107	17420	3.60 ug/L	94
64)	Chlorobenzene	12.61	112	40916	4.83 ug/L	95
65)	1,1,1,2-Tetrachloroethane	12.71	131	13941	4.87 ug/L	96
66)	Ethylbenzene	12.73	91	63952	4.51 ug/L	99
67)	m,p-Xylene	12.85	106	48458	9.35 ug/L	93
68)	o-Xylene	13.52	106	23742	4.64 ug/L	91
69)	Styrene	13.59	104	41728	4.65 ug/L	95
70)	Bromoform	14.08	173	10054	5.11 ug/L	98
71)	Isopropylbenzene	14.11	105	61271	4.57 ug/L	97
72)	1,1,2,2-Tetrachloroethane	14.40	83	18893	5.31 ug/L	99
74)	1,2,3-Trichloropropane	14.62	75	14250	5.28 ug/L	97
75)	trans-1,4-Dichloro-2-buten	14.77	88	3056	6.24 ug/L	91
76)	n-Propylbenzene	14.75	91	76577	4.49 ug/L	98
77)	Bromobenzene	14.77	156	14917	4.67 ug/L	93
78)	1,3,5-Trimethylbenzene	15.02	105	50612	4.46 ug/L	97
79)	2-Chlorotoluene	15.00	91	51206	4.52 ug/L	97
80)	4-Chlorotoluene	15.08	91	45875	4.34 ug/L	97
81)	tert-butylbenzene	15.58	119	39146	4.36 ug/L	97

(#) = qualifier out of range (m) = manual integration S92910

Data File : C:\HPCHEM\1\DATA\092710-I\I44004SI.D Vial: 11
Acq On : 27 Sep 2010 6:26 pm Operator: MT
Sample : 5 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.63	105	54288	4.54 ug/L	97
83)	Pentachloroethane	15.64	167	8190	5.87 ug/L	95
84)	sec-butylbenzene	15.92	105	65176	4.42 ug/L	97
85)	p-isopropyltoluene	16.15	119	50486	4.43 ug/L	95
86)	1,3-Dichlorobenzene	16.25	146	26068	4.56 ug/L	96
88)	1,4-Dichlorobenzene	16.42	146	27152	5.20 ug/L	96
89)	n-butylbenzene	16.81	91	50486	4.60 ug/L	99
90)	1,2-Dichlorobenzene	17.01	146	24650	5.29 ug/L	98
92)	1,2-Dibromo-3-chloropropan	18.30	75	3773	6.47 ug/L	96
94)	1,2,4-Trichlorobenzene	19.73	180	16681	5.17 ug/L	99
95)	Hexachlorobutadiene	19.98	225	6786	4.62 ug/L	95
96)	Naphthalene	20.12	128	25318	9.49 ug/L	95
97)	1,2,3-Trichlorobenzene	20.53	180	14666	5.77 ug/L	95
98)	1,3,5-Trichlorobenzene	18.68	180	19198	5.14 ug/L	98

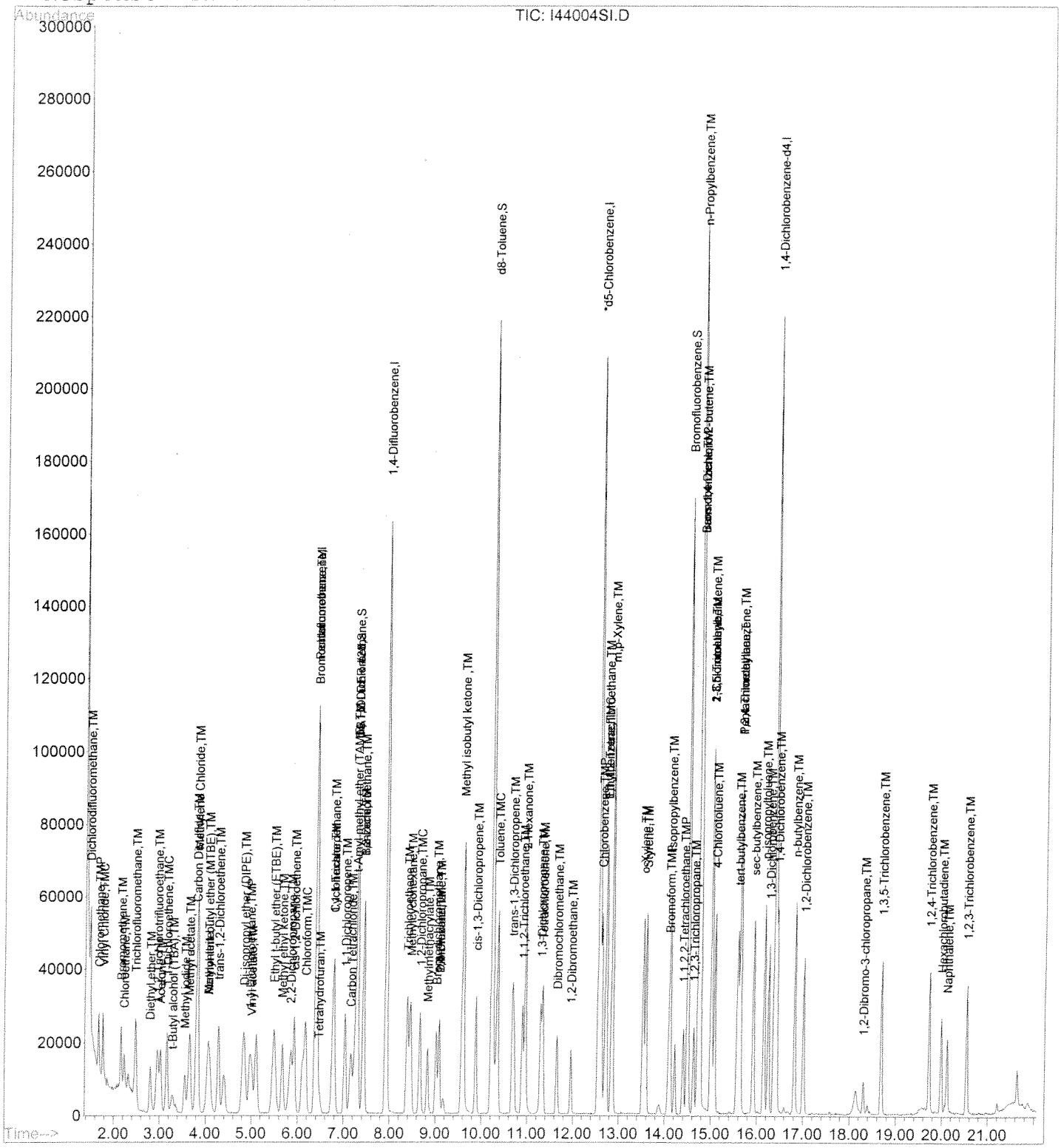
092910

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092710-I\I44004SI.D Vial: 11
Acq On : 27 Sep 2010 6:26 pm Operator: MT
Sample : 5 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



Data File : C:\HPCHEM\1\DATA\092710-I\I44005SI.D Vial: 12
Acq On : 27 Sep 2010 6:54 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	115240	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.92	114	214249 ✓	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	185477	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	80347	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB HOLDER #28	7.29	65	99856	16.97 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.85%		
36) d4-1,2-Dichloroethane	7.29	65	99856	16.97 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.85%		
54) d8-Toluene	10.23	98	232004	16.37 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 81.85%		
73) Bromofluorobenzene	14.49	95	93816	17.40 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.00%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	77038	9.85 ug/L	99
3) Chloromethane	1.68	50	64506	9.31 ug/L	99
4) Vinyl Chloride	1.76	62	58421	10.20 ug/L	98
5) Bromomethane	2.16	94	42673	11.48 ug/L	99
6) Chloroethane	2.23	64	33211	9.65 ug/L	90
7) t-Butyl alcohol (TBA)	3.28	59	57219	80.90 ug/L	99
8) Trichlorofluoromethane	2.48	101	117005	12.60 ug/L	96
9) Diethyl ether	2.80	74	30034	10.32 ug/L	99
10) 1,1,2-Trichlorotrifluoroet	2.95	101	63926	11.61 ug/L	99
12) Acetone	3.03	43	138918	65.46 ug/L	99
13) 1,1-Dichloroethene	3.16	96	53297	10.94 ug/L	96
14) Methyl iodide	3.56	142	82490	9.88 ug/L	99
15) Di-isopropyl ether (DIPE)	4.83	45	219172	10.70 ug/L	99
16) Methylene Chloride	3.82	84	84698	7.55 ug/L	99
17) Carbon Disulfide	3.79	76	174668	10.05 ug/L	100
18) Acrylonitrile	4.04	53	27174	14.46 ug/L	99
19) Methyl-tert-butyl ether (M	4.07	73	183266	12.57 ug/L	99
20) trans-1,2-Dichloroethene	4.29	96	63089	11.43 ug/L	100
21) 1,1-Dichloroethane	4.97	63	120621	11.03 ug/L	98
22) Vinyl acetate	5.03	86	10102	11.52 ug/L	91
23) Methyl ethyl ketone	5.67	72	40949	75.05 ug/L	89
24) Ethyl t-butyl ether (ETBE)	5.49	59	226970	11.66 ug/L	99
25) 2,2-Dichloropropane	5.84	77	96240	11.47 ug/L	97
26) cis-1,2-Dichloroethene	5.93	96	70895	11.17 ug/L	92
27) t-Amyl methyl ether (TAME)	7.25	73	176341	11.64 ug/L	98
29) Chloroform	6.17	83	121224	10.76 ug/L	97
30) Bromochloromethane	6.42	128	37383	11.62 ug/L #	88

(#) = qualifier out of range (m) = manual integration

J92910

Data File : C:\HPCHEM\1\DATA\092710-I\I44005SI.D Vial: 12
Acq On : 27 Sep 2010 6:54 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.48	71	8551	14.01 ug/L	97
32)	1,1,1-Trichloroethane	6.78	97	101300	11.28 ug/L	96
34)	1,1-Dichloropropene	7.03	75	84948	10.91 ug/L	96
35)	Carbon Tetrachloride	7.16	119	81094	11.73 ug/L	98
37)	1,2-Dichloroethane	7.44	62	115692	11.94 ug/L	100
38)	Benzene	7.43	78	214056	10.70 ug/L	98
40)	Trichloroethene	8.39	95	68949	13.41 ug/L	99
41)	1,2-Dichloropropane	8.66	63	61826	12.79 ug/L	99
42)	Methylmethacrylate	8.83	69	45631	15.86 ug/L	99
43)	Methyl acetate	3.64	43	64202	15.61 ug/L	99
44)	Cyclohexane	6.77	56	97418	13.57 ug/L	98
45)	Bromodichloromethane	9.02	83	95996	13.63 ug/L	97
46)	Dibromomethane	9.09	93	57523	14.79 ug/L	98
47)	1,4-Dioxane	9.09	88	24123	470.73 ug/L	91
48)	Methylcyclohexane	8.45	83	91969	13.99 ug/L	99
51)	2-Hexanone	10.96	58	155828	85.23 ug/L	96
52)	Methyl isobutyl ketone	9.61	58	155804	84.61 ug/L	97
53)	cis-1,3-Dichloropropene	9.88	75	99706	13.14 ug/L	98
55)	Toluene	10.35	92	136072	12.95 ug/L	98
56)	trans-1,3-Dichloropropene	10.67	75	100797	13.83 ug/L	99
58)	1,1,2-Trichloroethane	10.90	83	49909	14.17 ug/L	96
59)	1,3-Dichloropropane	11.29	76	94345	14.13 ug/L	100
60)	Tetrachloroethene	11.34	166	59506	12.25 ug/L	98
61)	Dibromochloromethane	11.65	129	74208	14.50 ug/L	96
62)	1,2-Dibromoethane	11.95	107	74606	14.97 ug/L	95
64)	Chlorobenzene	12.61	112	164007	18.65 ug/L	99
65)	1,1,1,2-Tetrachloroethane	12.70	131	57371	19.31 ug/L	97
66)	Ethylbenzene	12.73	91	263593	17.88 ug/L	99
67)	m,p-Xylene	12.85	106	194562	36.12 ug/L	97
68)	o-Xylene	13.53	106	98079	18.43 ug/L	93
69)	Styrene	13.59	104	172027	18.44 ug/L	98
70)	Bromoform	14.08	173	45229	22.13 ug/L	100
71)	Isopropylbenzene	14.11	105	249708	17.94 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.40	83	80489	21.77 ug/L	99
74)	1,2,3-Trichloropropane	14.62	75	61304	21.88 ug/L	97
75)	trans-1,4-Dichloro-2-buten	14.77	88	14115	27.75 ug/L	83
76)	n-Propylbenzene	14.75	91	309963	17.48 ug/L	97
77)	Bromobenzene	14.77	156	61796	18.60 ug/L	95
78)	1,3,5-Trimethylbenzene	15.02	105	204591	17.34 ug/L	99
79)	2-Chlorotoluene	15.00	91	202704	17.20 ug/L	97
80)	4-Chlorotoluene	15.09	91	192639	17.56 ug/L	98
81)	tert-butylbenzene	15.58	119	178659	18.52 ug/L	98

(#) = qualifier out of range (m) = manual integration 092910

Data File : C:\HPCHEM\1\DATA\092710-I\I44005SI.D Vial: 12
Acq On : 27 Sep 2010 6:54 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.63	105	217952	17.53 ug/L	98
83)	Pentachloroethane	15.64	167	33443	22.13 ug/L	99
84)	sec-butylbenzene	15.91	105	265759	17.36 ug/L	99
85)	p-isopropyltoluene	16.15	119	211601	17.89 ug/L	98
86)	1,3-Dichlorobenzene	16.25	146	108205	18.22 ug/L	97
88)	1,4-Dichlorobenzene	16.43	146	107482	19.80 ug/L	98
89)	n-butylbenzene	16.81	91	216705	19.00 ug/L	100
90)	1,2-Dichlorobenzene	17.01	146	102818	21.25 ug/L	100
92)	1,2-Dibromo-3-chloropropan	18.30	75	16307	28.87 ug/L	95
94)	1,2,4-Trichlorobenzene	19.73	180	71465	21.31 ug/L	96
95)	Hexachlorobutadiene	19.98	225	30472	19.96 ug/L	99
96)	Naphthalene	20.12	128	130253	38.91 ug/L	96
97)	1,2,3-Trichlorobenzene	20.53	180	64490	24.40 ug/L	96
98)	1,3,5-Trichlorobenzene	18.68	180	78512	20.24 ug/L	95

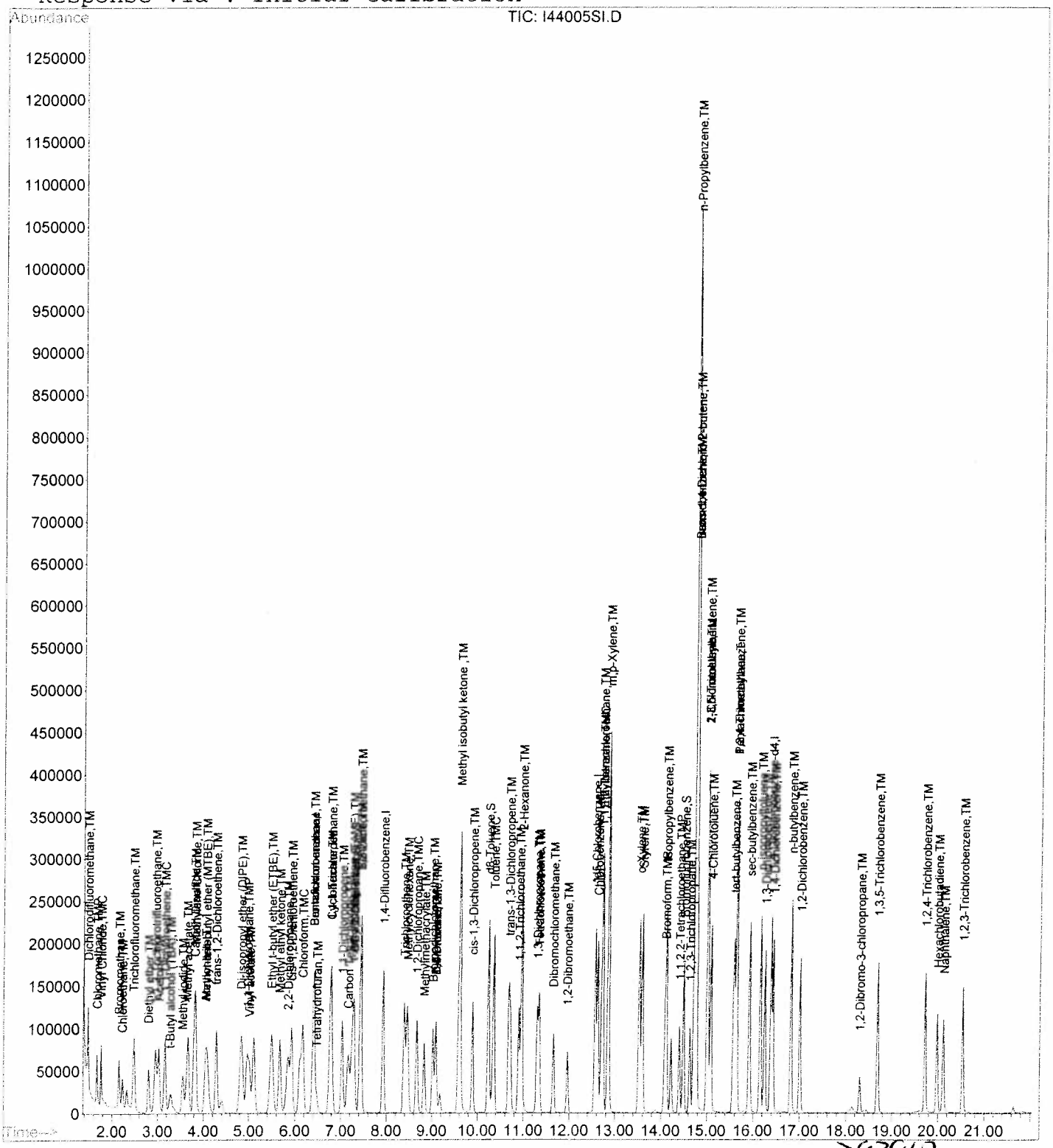
J 92910

(#) = qualifier out of range (m) = manual integration
I44005SI.D VS09270I.M Tue Sep 28 13:54:28 2010 Page 3

Data File : C:\HPCHEM\1\DATA\092710-I\I44005SI.D Vial: 12
Acq On : 27 Sep 2010 6:54 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



S92910

Data File : C:\HPCHEM\1\DATA\092710-I\I44006SI.D Vial: 13
Acq On : 27 Sep 2010 7:22 pm Operator: MT
Sample : 50 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	119455	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.92	114	222446 ✓	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	186670	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	82549	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	7.29	65	101253	16.60 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 83.00%		
36) d4-1,2-Dichloroethane	7.29	65	101253	16.60 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 83.00%		
54) d8-Toluene	10.23	98	233188	15.85 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 79.25%		
73) Bromofluorobenzene	14.49	95	95614	17.62 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.10%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	214721	26.50 ug/L	99
3) Chloromethane	1.67	50	172537	22.78 ug/L	100
4) Vinyl Chloride	1.76	62	157317	26.50 ug/L	98
5) Bromomethane	2.15	94	108259	25.59 ug/L	99
6) Chloroethane	2.23	64	88737	24.86 ug/L	90
7) t-Butyl alcohol (TBA)	3.30	59	135684	177.83 ug/L	99
8) Trichlorofluoromethane	2.47	101	316100	32.84 ug/L	97
9) Diethyl ether	2.81	74	80279	30.11 ug/L	95
10) 1,1,2-Trichlorotrifluoroet	2.96	101	175825	30.82 ug/L	99
12) Acetone	3.03	43	330252	158.92 ug/L	99
13) 1,1-Dichloroethene	3.16	96	148474	29.40 ug/L	97
14) Methyl iodide	3.56	142	255308	25.04 ug/L	99
15) Di-isopropyl ether (DIPE)	4.84	45	589575	27.77 ug/L	99
16) Methylene Chloride	3.83	84	193533	22.91 ug/L	99
17) Carbon Disulfide	3.79	76	485149	26.94 ug/L	100
18) Acrylonitrile	4.05	53	64861	33.30 ug/L	96
19) Methyl-tert-butyl ether (M	4.08	73	485219	32.11 ug/L	98
20) trans-1,2-Dichloroethene	4.28	96	177823	31.08 ug/L	98
21) 1,1-Dichloroethane	4.97	63	329356	29.04 ug/L	98
22) Vinyl acetate	5.02	86	27309	27.98 ug/L	88
23) Methyl ethyl ketone	5.67	72	97663	172.68 ug/L	94
24) Ethyl t-butyl ether (ETBE)	5.50	59	607820	30.12 ug/L	99
25) 2,2-Dichloropropane	5.85	77	268087	30.83 ug/L	99
26) cis-1,2-Dichloroethene	5.93	96	193707	29.44 ug/L	96
27) t-Amyl methyl ether (TAME)	7.25	73	471357	30.01 ug/L	98
29) Chloroform	6.18	83	337770	28.92 ug/L	95
30) Bromochloromethane	6.42	128	99212	29.76 ug/L #	89

(#) = qualifier out of range (m) = manual integration 9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44006SI.D Vial: 13
Acq On : 27 Sep 2010 7:22 pm Operator: MT
Sample : 50 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.47	71	22254	34.51 ug/L	88
32)	1,1,1-Trichloroethane	6.78	97	282666	30.36 ug/L	97
34)	1,1-Dichloropropene	7.03	75	239335	29.65 ug/L	95
35)	Carbon Tetrachloride	7.16	119	230069	32.12 ug/L	100
37)	1,2-Dichloroethane	7.44	62	311416	31.01 ug/L	100
38)	Benzene	7.43	78	575200	27.75 ug/L	97
40)	Trichloroethene	8.38	95	186093	34.85 ug/L	96
41)	1,2-Dichloropropane	8.67	63	170978	34.07 ug/L	99
42)	Methylmethacrylate	8.83	69	120274	40.26 ug/L	99
43)	Methyl acetate	3.64	43	157507	36.89 ug/L	98
44)	Cyclohexane	6.77	56	269194	36.11 ug/L	99
45)	Bromodichloromethane	9.02	83	263456	36.03 ug/L	98
46)	Dibromomethane	9.08	93	154519	38.26 ug/L	98
47)	1,4-Dioxane	9.08	88	58869	1075.64 ug/L	93
48)	Methylcyclohexane	8.45	83	257826	37.79 ug/L	99
51)	2-Hexanone	10.96	58	381087	200.74 ug/L	96
52)	Methyl isobutyl ketone	9.61	58	383578	200.62 ug/L	97
53)	cis-1,3-Dichloropropene	9.88	75	278870	35.39 ug/L	99
55)	Toluene	10.35	92	372361	34.12 ug/L	100
56)	trans-1,3-Dichloropropene	10.67	75	275842	36.44 ug/L	98
58)	1,1,2-Trichloroethane	10.90	83	128793	35.22 ug/L	99
59)	1,3-Dichloropropane	11.29	76	248786	35.88 ug/L	100
60)	Tetrachloroethene	11.34	166	164687	32.65 ug/L	98
61)	Dibromochloromethane	11.66	129	201390	37.90 ug/L	96
62)	1,2-Dibromoethane	11.96	107	196465	37.98 ug/L	97
64)	Chlorobenzene	12.62	112	443714	50.12 ug/L	99
65)	1,1,1,2-Tetrachloroethane	12.71	131	156881	52.45 ug/L	94
66)	Ethylbenzene	12.73	91	721415	48.63 ug/L	99
67)	m,p-Xylene	12.85	106	533054	98.32 ug/L	97
68)	o-Xylene	13.53	106	262207	48.97 ug/L	92
69)	Styrene	13.59	104	468436	49.90 ug/L	99
70)	Bromoform	14.08	173	122632	59.61 ug/L	98
71)	Isopropylbenzene	14.11	105	693305	49.48 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.39	83	202714	54.49 ug/L	99
74)	1,2,3-Trichloropropane	14.63	75	155655	55.20 ug/L	98
75)	trans-1,4-Dichloro-2-buten	14.77	88	36622	71.53 ug/L	83
76)	n-Propylbenzene	14.75	91	830557	46.53 ug/L	97
77)	Bromobenzene	14.77	156	166083	49.67 ug/L	95
78)	1,3,5-Trimethylbenzene	15.02	105	566205	47.68 ug/L	99
79)	2-Chlorotoluene	15.01	91	557730	47.03 ug/L	98
80)	4-Chlorotoluene	15.08	91	518874	46.98 ug/L	97
81)	tert-butylbenzene	15.58	119	499442	51.11 ug/L	97

(#) = qualifier out of range (m) = manual integration

JS 29 10

Data File : C:\HPCHEM\1\DATA\092710-I\I44006SI.D Vial: 13
Acq On : 27 Sep 2010 7:22 pm Operator: MT
Sample : 50 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.63	105	595809	47.62 ug/L	99
83)	Pentachloroethane	15.64	167	94329	61.45 ug/L	98
84)	sec-butylbenzene	15.92	105	756570	49.10 ug/L	98
85)	p-isopropyltoluene	16.15	119	597605	50.19 ug/L	98
86)	1,3-Dichlorobenzene	16.25	146	291412	48.75 ug/L	98
88)	1,4-Dichlorobenzene	16.42	146	299151	53.63 ug/L	97
89)	n-butylbenzene	16.81	91	603785	51.51 ug/L	99
90)	1,2-Dichlorobenzene	17.01	146	275630	55.45 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.30	75	41937	73.19 ug/L	97
94)	1,2,4-Trichlorobenzene	19.73	180	196484	57.04 ug/L	94
95)	Hexachlorobutadiene	19.98	225	86477	55.14 ug/L	96
96)	Naphthalene	20.12	128	373696	81.94 ug/L	97
97)	1,2,3-Trichlorobenzene	20.53	180	175406	64.58 ug/L	98
98)	1,3,5-Trichlorobenzene	18.68	180	216068	54.22 ug/L	99

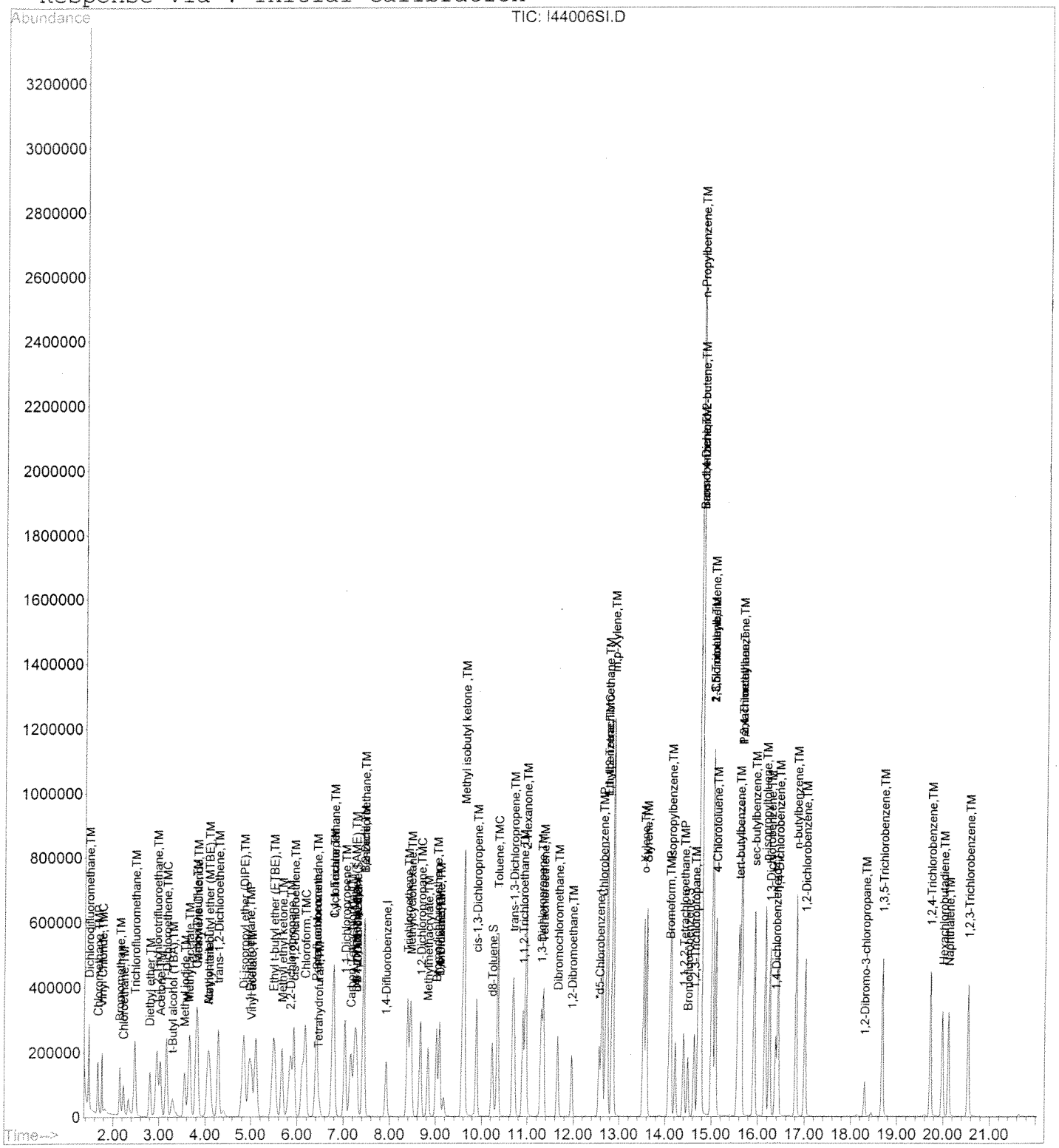
J92910

(#) = qualifier out of range (m) = manual integration
I44006SI.D VS09270I.M Tue Sep 28 13:54:35 2010 Page 3

Data File : C:\HPCHEM\1\DATA\092710-I\I44006SI.D Vial: 13
Acq On : 27 Sep 2010 7:22 pm Operator: MT
Sample : 50 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



I44006SI.D VS09270I.M Tue Sep 28 13:54:35 2010 Page 4

D92910

Data File : C:\HPCHEM\1\DATA\092710-I\I44007SI.D Vial: 14
Acq On : 27 Sep 2010 7:50 pm Operator: MT
Sample : 100 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	115759	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.92	114	220266	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	189844 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.37	152	82308	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB HOLDER #28	7.29	65	101252	17.13 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 85.65%		
36) d4-1,2-Dichloroethane	7.29	65	101252	17.13 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 85.65%		
54) d8-Toluene	10.22	98	237240	16.28 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 81.40%		
73) Bromofluorobenzene	14.49	95	97651	17.70 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.50%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.47	85	405753	51.67 ug/L	100
3) Chloromethane	1.67	50	333138	44.60 ug/L	99
4) Vinyl Chloride	1.75	62	304120	52.87 ug/L	98
5) Bromomethane	2.13	94	209174	49.30 ug/L	100
6) Chloroethane	2.21	64	165660	47.90 ug/L	91
7) t-Butyl alcohol (TBA)	3.31	59	275909	366.97 ug/L	99
8) Trichlorofluoromethane	2.47	101	585849	62.80 ug/L	97
9) Diethyl ether	2.80	74	150802	60.43 ug/L	95
10) 1,1,2-Trichlorotrifluoroet	2.94	101	338020	61.13 ug/L	99
12) Acetone	3.03	43	631092	320.00 ug/L	98
13) 1,1-Dichloroethene	3.15	96	282079	57.64 ug/L	98
14) Methyl iodide	3.54	142	509039	49.14 ug/L	99
15) Di-isopropyl ether (DIPE)	4.83	45	1125117	54.68 ug/L	99
16) Methylene Chloride	3.82	84	348990	47.10 ug/L	100
17) Carbon Disulfide	3.78	76	908074	52.03 ug/L	100
18) Acrylonitrile	4.04	53	126013	66.75 ug/L	99
19) Methyl-tert-butyl ether (M	4.08	73	938432	64.09 ug/L	97
20) trans-1,2-Dichloroethene	4.27	96	330513	59.61 ug/L	97
21) 1,1-Dichloroethane	4.96	63	627239	57.08 ug/L	100
22) Vinyl acetate	5.01	86	53892	55.64 ug/L	83
23) Methyl ethyl ketone	5.67	72	191405	349.22 ug/L	93
24) Ethyl t-butyl ether (ETBE)	5.48	59	1176568	60.16 ug/L	99
25) 2,2-Dichloropropane	5.85	77	515725	61.20 ug/L	99
26) cis-1,2-Dichloroethene	5.92	96	370943	58.17 ug/L	96
27) t-Amyl methyl ether (TAME)	7.25	73	901170	59.21 ug/L	98
29) Chloroform	6.17	83	639558	56.50 ug/L	95
30) Bromochloromethane	6.42	128	189242	58.58 ug/L #	87

(#) = qualifier out of range (m) = manual integration 9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44007SI.D Vial: 14
Acq On : 27 Sep 2010 7:50 pm Operator: MT
Sample : 100 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	6.47	71	41187	65.50 ug/L	92
32) 1,1,1-Trichloroethane	6.77	97	538493	59.69 ug/L	97
34) 1,1-Dichloropropene	7.02	75	450814	57.63 ug/L	96
35) Carbon Tetrachloride	7.15	119	445001	64.10 ug/L	98
37) 1,2-Dichloroethane	7.43	62	589199	60.54 ug/L	99
38) Benzene	7.43	78	1073967	53.46 ug/L	99
40) Trichloroethene	8.38	95	354643	67.07 ug/L	94
41) 1,2-Dichloropropane	8.67	63	321663	64.72 ug/L	100
42) Methylmethacrylate	8.82	69	235035	79.45 ug/L	97
43) Methyl acetate	3.63	43	310091	73.35 ug/L	99
44) Cyclohexane	6.76	56	507783	68.78 ug/L	99
45) Bromodichloromethane	9.01	83	501035	69.19 ug/L	98
46) Dibromomethane	9.08	93	294936	73.75 ug/L	97
47) 1,4-Dioxane	9.08	88	116124	2120.16 ug/L	94
48) Methylcyclohexane	8.45	83	489947	72.51 ug/L	99
51) 2-Hexanone	10.95	58	739787	393.55 ug/L	96
52) Methyl isobutyl ketone	9.60	58	729095	385.10 ug/L	97
53) cis-1,3-Dichloropropene	9.88	75	531542	68.11 ug/L	99
55) Toluene	10.34	92	703602	65.12 ug/L	97
56) trans-1,3-Dichloropropene	10.67	75	534070	71.26 ug/L	97
58) 1,1,2-Trichloroethane	10.89	83	244763	67.59 ug/L	99
59) 1,3-Dichloropropane	11.29	76	479323	69.81 ug/L	100
60) Tetrachloroethene	11.34	166	319044	63.88 ug/L	98
61) Dibromochloromethane	11.65	129	395353	75.14 ug/L	95
62) 1,2-Dibromoethane	11.96	107	381443	74.46 ug/L	98
64) Chlorobenzene	12.62	112	858130	95.31 ug/L	99
65) 1,1,1,2-Tetrachloroethane	12.71	131	304063	99.96 ug/L	95
66) Ethylbenzene	12.73	91	1352379	89.64 ug/L	99
67) m,p-Xylene	12.84	106	1001558	181.65 ug/L	96
68) o-Xylene	13.52	106	506153	92.94 ug/L	94
69) Styrene	13.58	104	900139	94.28 ug/L	100
70) Bromoform	14.08	173	244146	116.69 ug/L	99
71) Isopropylbenzene	14.12	105	1329856	93.33 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.40	83	402465	106.37 ug/L	99
74) 1,2,3-Trichloropropane	14.63	75	304739	106.26 ug/L	98
75) trans-1,4-Dichloro-2-buten	14.78	88	72620	139.47 ug/L	79
76) n-Propylbenzene	14.75	91	1531154	84.34 ug/L	96
77) Bromobenzene	14.77	156	314732	92.56 ug/L	97
78) 1,3,5-Trimethylbenzene	15.01	105	1082176	89.60 ug/L	99
79) 2-Chlorotoluene	15.00	91	1045165	86.67 ug/L	97
80) 4-Chlorotoluene	15.08	91	1003451	89.34 ug/L	99
81) tert-butylbenzene	15.57	119	945053	94.93 ug/L	98

(#) = qualifier out of range (m) = manual integration 9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44007SI.D Vial: 14
Acq On : 27 Sep 2010 7:50 pm Operator: MT
Sample : 100 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.63	105	1134387	89.15 ug/L	98
83)	Pentachloroethane	15.63	167	179181	114.49 ug/L	97
84)	sec-butylbenzene	15.92	105	1435676	91.61 ug/L	97
85)	p-isopropyltoluene	16.15	119	1149638	94.95 ug/L	97
86)	1,3-Dichlorobenzene	16.24	146	564723	92.89 ug/L	99
88)	1,4-Dichlorobenzene	16.43	146	577834	103.89 ug/L	97
89)	n-butylbenzene	16.82	91	1144363	97.92 ug/L	98
90)	1,2-Dichlorobenzene	17.00	146	533809	107.70 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.29	75	84662	148.82 ug/L	96
94)	1,2,4-Trichlorobenzene	19.72	180	371866	108.26 ug/L	97
95)	Hexachlorobutadiene	19.98	225	162109	103.66 ug/L	97
96)	Naphthalene	20.12	128	796109	134.19 ug/L	98
97)	1,2,3-Trichlorobenzene	20.54	180	338561	125.02 ug/L	98
98)	1,3,5-Trichlorobenzene	18.69	180	401011	100.93 ug/L	97

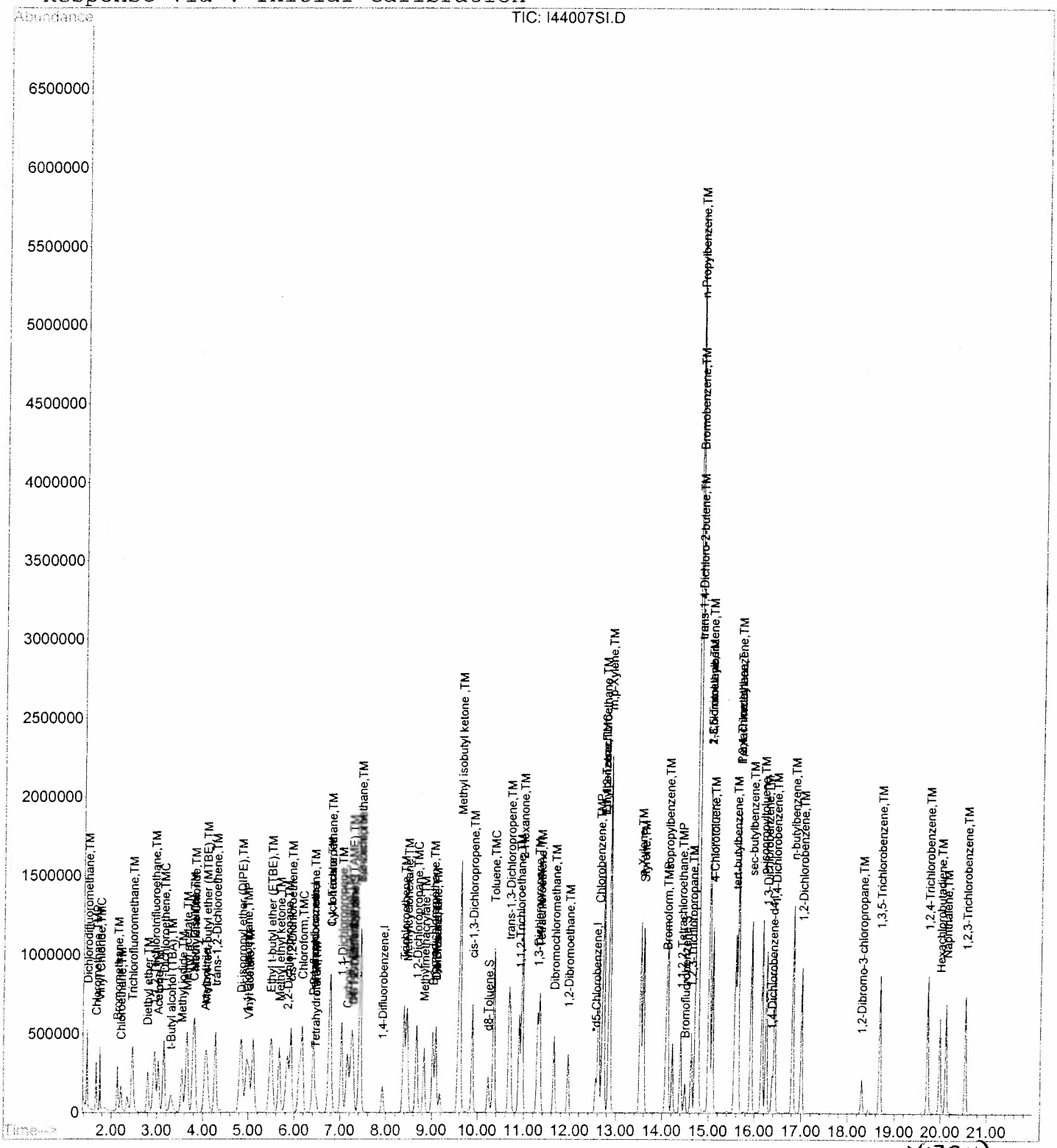
J929w

(#) = qualifier out of range (m) ='manual integration
I44007SI.D VS09270I.M Tue Sep 28 13:54:40 2010 Page 3

Data File : C:\HPCHEM\1\DATA\092710-I\I44007SI.D Vial: 14
Acq On : 27 Sep 2010 7:50 pm Operator: MT
Sample : 100 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



9/29/10

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: BLK
Spike: 20 PPB ICV

MT 9/29/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
Dichlorodifluoromethane	20	80	120	0.0	22	108	
Chloromethane	20	80	120	0.0	20	98	
Vinyl Chloride	20	80	120	0.0	21	105	
Bromomethane	20	80	120	0.0	23	116	
Chloroethane	20	80	120	0.0	21	107	
t-Butyl alcohol (TBA)	100	80	120	0.0	104	104	
Trichlorofluoromethane	20	80	120	0.0	18	92	
Diethyl ether	20	80	120	0.0	22	111	
1,1,2-Trichlorotrifluoroethane	20	80	120	0.0	21	106	
Acetone	100	80	120	0.0	108	108	
1,1-Dichloroethene	20	80	120	0.0	21	107	
Methyl iodide	20	80	120	0.0	24	118	
Di-isopropyl ether (DIPE)	20	80	120	0.0	21	105	
Methylene Chloride	20	80	120	0.0	23	114	
Carbon Disulfide	20	80	120	0.0	23	115	
Methyl-tert-butyl ether (MTBE)	40	80	120	0.0	43	108	
trans-1,2-Dichloroethene	20	80	120	0.0	21	105	
1,1-Dichloroethane	20	80	120	0.0	21	107	
Vinyl acetate	20	80	120	0.0	18	91	
Methyl ethyl ketone	100	80	120	0.0	109	109	
Ethyl t-butyl ether (ETBE)	20	80	120	0.0	21	106	
2,2-Dichloropropane	20	80	120	0.0	21	106	
cis-1,2-Dichloroethene	20	80	120	0.0	22	111	
t-Amyl methyl ether (TAME)	20	80	120	0.0	21	106	
Chloroform	20	80	120	0.0	22	108	
Bromochloromethane	20	80	120	0.0	23	117	
Tetrahydrofuran	20	80	120	0.0	23	113	
1,1,1-Trichloroethane	20	80	120	0.0	22	109	
1,1-Dichloropropene	20	80	120	0.0	21	107	
Carbon Tetrachloride	20	80	120	0.0	22	111	
1,2-Dichloroethane	20	80	120	0.0	22	111	
Benzene	20	80	120	0.0	21	106	
Trichloroethene	20	80	120	0.0	21	105	
1,2-Dichloropropane	20	80	120	0.0	22	109	
Methylmethacrylate	20	80	120	0.0	22	112	
Methyl acetate	20	80	120	0.0	23	113	
Cyclohexane	20	80	120	0.0	18	92	
Bromodichloromethane	20	80	120	0.0	22	108	
Dibromomethane	20	80	120	0.0	21	107	
1,4-Dioxane	500	80	120	0.0	518	104	
Methylcyclohexane	20	80	120	0.0	21	103	
2-Hexanone	100	80	120	0.0	112	112	
Methyl isobutyl ketone	100	80	120	0.0	108	108	
cis-1,3-Dichloropropene	20	80	120	0.0	22	111	
Toluene	20	80	120	0.0	21	105	
trans-1,3-Dichloropropene	20	80	120	0.0	20	102	
1,1,2-Trichloroethane	20	80	120	0.0	22	111	
1,3-Dichloropropane	20	80	120	0.0	22	112	
Tetrachloroethene	20	80	120	0.0	23	114	
Dibromochloromethane	20	80	120	0.0	22	112	

9/29/10

VOA FORM 3

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: BLK
Spike: 20 PPB ICV

MT 9/29/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
1,2-Dibromoethane	20	80	120	0.0	23	113	
Chlorobenzene	20	80	120	0.0	21	107	
1,1,1,2-Tetrachloroethane	20	80	120	0.0	22	111	
Ethylbenzene	20	80	120	0.0	21	107	
m,p-Xylene	40	80	120	0.0	43	106	
o-Xylene	20	80	120	0.0	21	104	
Styrene	20	80	120	0.0	22	109	
Bromoform	20	80	120	0.0	22	112	
Isopropylbenzene	20	80	120	0.0	19	94	
1,1,2,2-Tetrachloroethane	20	80	120	0.0	21	107	
1,2,3-Trichloropropane	20	80	120	0.0	22	108	
trans-1,4-Dichloro-2-butene	20	80	120	0.0	23	114	
n-Propylbenzene	20	80	120	0.0	21	103	
Bromobenzene	20	80	120	0.0	22	109	
1,3,5-Trimethylbenzene	20	80	120	0.0	21	107	
2-Chlorotoluene	20	80	120	0.0	21	106	
4-Chlorotoluene	20	80	120	0.0	21	104	
tert-butylbenzene	20	80	120	0.0	21	107	
1,2,4-Trimethylbenzene	20	80	120	0.0	21	103	
sec-butylbenzene	20	80	120	0.0	22	108	
p-isopropyltoluene	20	80	120	0.0	21	104	
1,3-Dichlorobenzene	20	80	120	0.0	21	104	
1,4-Dichlorobenzene	20	80	120	0.0	21	106	
n-butylbenzene	20	80	120	0.0	22	108	
1,2-Dichlorobenzene	20	80	120	0.0	22	109	
1,2-Dibromo-3-chloropropane	20	80	120	0.0	22	110	
1,2,4-Trichlorobenzene	20	80	120	0.0	20	101	
Hexachlorobutadiene	20	80	120	0.0	22	111	
Naphthalene	20	80	120	0.0	18	92	
1,2,3-Trichlorobenzene	20	80	120	0.0	22	108	
1,3,5-Trichlorobenzene	20	80	120	0.0	20	101	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 5129W

VOA FORM 3

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:56 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	116794	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	216266	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	187549 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	80716	20.00	ug/L	0.00

System Monitoring Compounds

28) DB HOLDER #28	7.30	65	101845	20.41	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.05% ✓			
36) d4-1,2-Dichloroethane	7.30	65	101845	20.41	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.05% ✓			
54) d8-Toluene	10.23	98	231829	19.94	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.70% ✓			
73) Bromofluorobenzene	14.49	95	94082	19.64	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.20% ✓			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	88487	21.61	ug/L	100
3) Chloromethane	1.67	50	69182	19.55	ug/L	97
4) Vinyl Chloride	1.76	62	65387	21.03	ug/L	99
5) Bromomethane	2.15	94	56360m	23.14	ug/L	
6) Chloroethane	2.23	64	36955	21.44	ug/L	84
7) t-Butyl alcohol (TBA)	3.29	59	54190	103.51	ug/L	98
8) Trichlorofluoromethane	2.48	101	113890	18.42	ug/L	95
9) Diethyl ether	2.80	74	33487	22.19	ug/L	98
10) 1,1,2-Trichlorotrifluoroet	2.96	101	69912	21.21	ug/L	99
12) Acetone	3.03	43	146715	107.58	ug/L	99
13) 1,1-Dichloroethene	3.17	96	59773	21.40	ug/L	95
14) Methyl iodide	3.56	142	101642	23.64	ug/L	100
15) Di-isopropyl ether (DIPE)	4.84	45	237062	21.09	ug/L	98
16) Methylene Chloride	3.83	84	96555	22.83	ug/L	98
17) Carbon Disulfide	3.80	76	211047	22.98	ug/L	100
18) Acrylonitrile	4.04	53	30001	23.53	ug/L	96
19) Methyl-tert-butyl ether (M	4.08	73	398995	43.13	ug/L	98
20) trans-1,2-Dichloroethene	4.28	96	70544	20.95	ug/L	97
21) 1,1-Dichloroethane	4.97	63	134936	21.38	ug/L	100
22) Vinyl acetate	5.02	86	8870	18.18	ug/L	81
23) Methyl ethyl ketone	5.68	72	40906	108.63	ug/L	91
24) Ethyl t-butyl ether (ETBE)	5.50	59	243976	21.21	ug/L	99
25) 2,2-Dichloropropane	5.86	77	107692	21.28	ug/L	99
26) cis-1,2-Dichloroethene	5.94	96	82021	22.22	ug/L	93
27) t-Amyl methyl ether (TAME)	7.26	73	189989	21.30	ug/L	99
29) Chloroform	6.18	83	137425	21.62	ug/L	97
30) Bromochloromethane	6.42	128	42555	23.35	ug/L	93

(#) = qualifier out of range (m) = manual integration 9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:56 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010 MT 9/29/10
Response via : Initial Calibration
DataAcq Meth : VS09270I

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.48	71	9318	22.63 ug/L	90
32)	1,1,1-Trichloroethane	6.78	97	115350	21.89 ug/L	98
34)	1,1-Dichloropropene	7.03	75	96007	21.31 ug/L	97
35)	Carbon Tetrachloride	7.16	119	94314	22.22 ug/L	95
37)	1,2-Dichloroethane	7.43	62	130499	22.23 ug/L	100
38)	Benzene	7.43	78	237680	21.26 ug/L	98
40)	Trichloroethene	8.38	95	74556	20.95 ug/L	97
41)	1,2-Dichloropropane	8.66	63	70602	21.74 ug/L	98
42)	Methylmethacrylate	8.83	69	49435	22.44 ug/L	99
43)	Methyl acetate	3.63	43	75117	22.64 ug/L	98
44)	Cyclohexane	6.79	56	92921m	18.33 ug/L	
45)	Bromodichloromethane	9.02	83	106112	21.69 ug/L	99
46)	Dibromomethane	9.08	93	61872	21.50 ug/L	97
47)	1,4-Dioxane	9.08	88	23214	517.59 ug/L	94
48)	Methylcyclohexane	8.46	83	97896	20.64 ug/L	99
51)	2-Hexanone	10.96	58	161722	111.52 ug/L	96
52)	Methyl isobutyl ketone	9.60	58	159058	108.43 ug/L	97
53)	cis-1,3-Dichloropropene	9.89	75	114449	22.21 ug/L	97
55)	Toluene	10.35	92	150133	21.00 ug/L	99
56)	trans-1,3-Dichloropropene	10.67	75	102820	20.32 ug/L	98
58)	1,1,2-Trichloroethane	10.89	83	54371	22.17 ug/L	98
59)	1,3-Dichloropropane	11.30	76	106052	22.49 ug/L	99
60)	Tetrachloroethene	11.34	166	70242	22.76 ug/L	97
61)	Dibromochloromethane	11.65	129	82354	22.42 ug/L	94
62)	1,2-Dibromoethane	11.96	107	83077	22.52 ug/L	100
64)	Chlorobenzene	12.62	112	183847	21.41 ug/L	98
65)	1,1,1,2-Tetrachloroethane	12.70	131	66334	22.13 ug/L	99
66)	Ethylbenzene	12.72	91	294011	21.40 ug/L	100
67)	m,p-Xylene	12.85	106	219354	42.53 ug/L	97
68)	o-Xylene	13.52	106	105251	20.88 ug/L	96
69)	Styrene	13.59	104	192489	21.72 ug/L	97
70)	Bromoform	14.08	173	50173	22.39 ug/L	98
71)	Isopropylbenzene	14.11	105	245638	18.77 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.40	83	85856	21.45 ug/L	99
74)	1,2,3-Trichloropropane	14.63	75	66856	21.65 ug/L	98
75)	trans-1,4-Dichloro-2-buten	14.76	88	14760	22.82 ug/L #	41
76)	n-Propylbenzene	14.75	91	332927	20.66 ug/L	96
77)	Bromobenzene	14.76	156	69716	21.73 ug/L	99
78)	1,3,5-Trimethylbenzene	15.01	105	229781	21.32 ug/L	99
79)	2-Chlorotoluene	15.00	91	228936	21.19 ug/L	98
80)	4-Chlorotoluene	15.08	91	208266	20.81 ug/L	98
81)	tert-butylbenzene	15.57	119	193347	21.35 ug/L	98

(#) = qualifier out of range (m) = manual integration 9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:56 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.63	105	234288	20.55 ug/L	100
83)	Pentachloroethane	15.63	167	35227	20.41 ug/L	99
84)	sec-butylbenzene	15.92	105	303355	21.64 ug/L	100
85)	p-isopropyltoluene	16.15	119	228870	20.75 ug/L	96
86)	1,3-Dichlorobenzene	16.25	146	117231	20.84 ug/L	96
88)	1,4-Dichlorobenzene	16.43	146	122008	21.26 ug/L	95
89)	n-butylbenzene	16.81	91	239566	21.57 ug/L	98
90)	1,2-Dichlorobenzene	17.01	146	114782	21.85 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.30	75	16914	22.02 ug/L	88
94)	1,2,4-Trichlorobenzene	19.72	180	74761	20.25 ug/L	96
95)	Hexachlorobutadiene	19.99	225	34255	22.11 ug/L	95
96)	Naphthalene	20.11	128	124329	18.46 ug/L	98
97)	1,2,3-Trichlorobenzene	20.54	180	70306	21.50 ug/L	97
98)	1,3,5-Trichlorobenzene	18.69	180	81905	20.26 ug/L	97

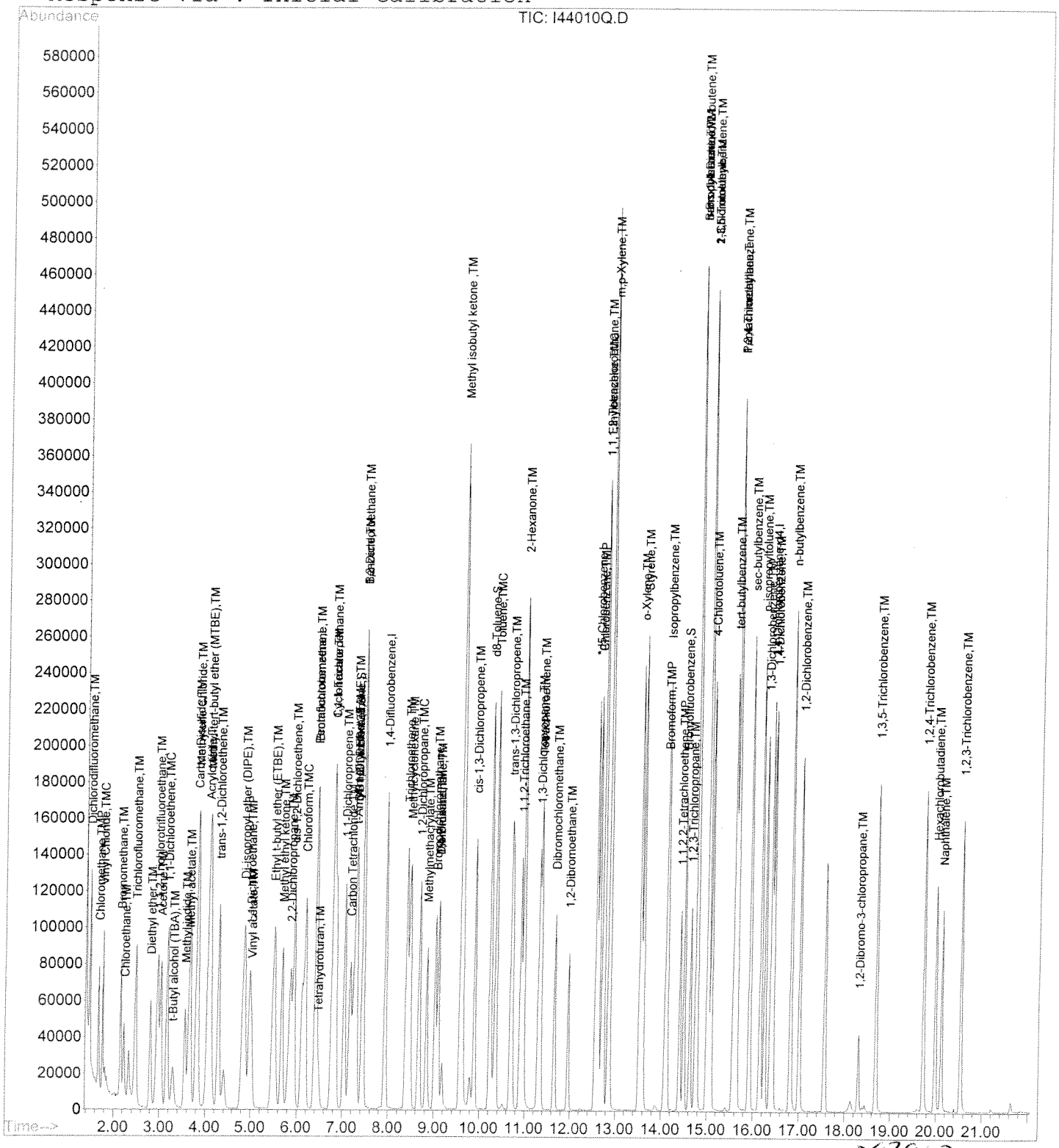
9/29/10

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:56 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

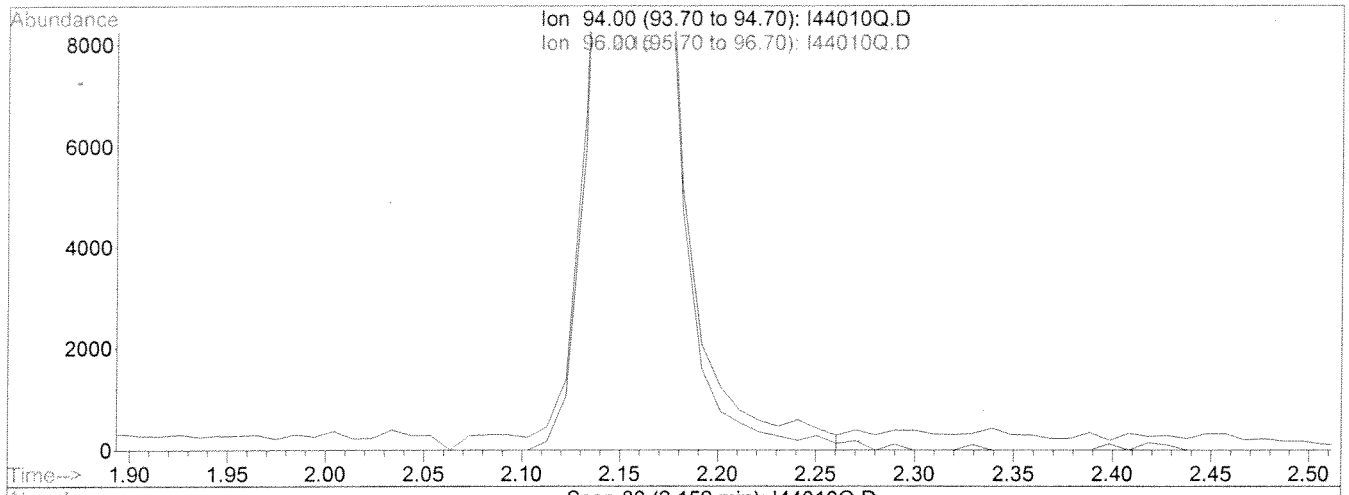


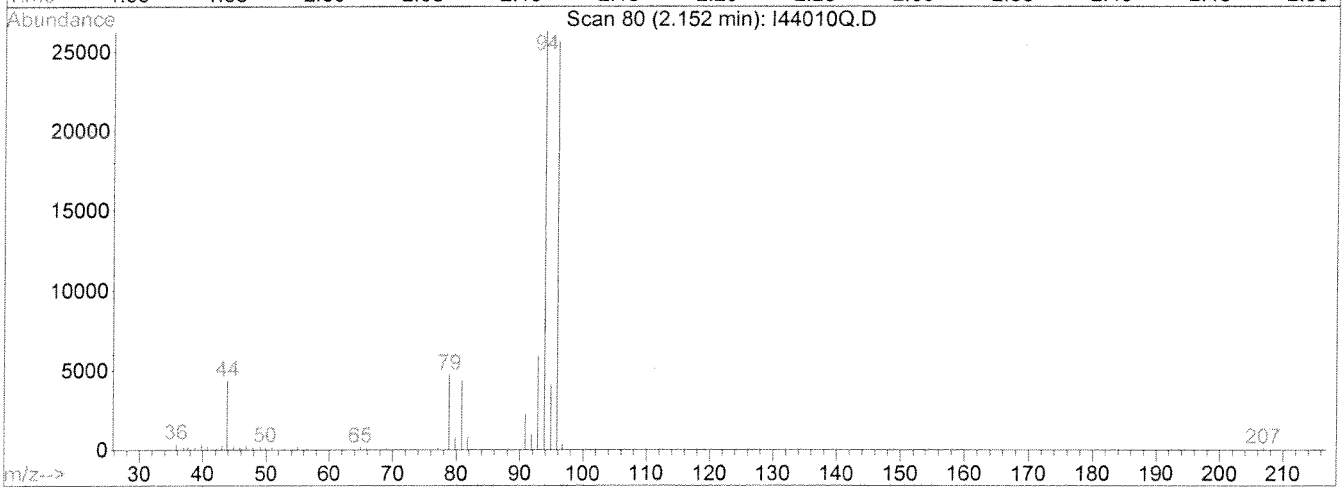
9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:54 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10
e.a.





TIC: I44010Q.D

(5) Bromomethane (TM)

2.15min 24.41ug/L

response 59447

Ion	Exp%	Act%
94.00	100	100
96.00	96.00	97.72
0.00	0.00	0.00
0.00	0.00	0.00

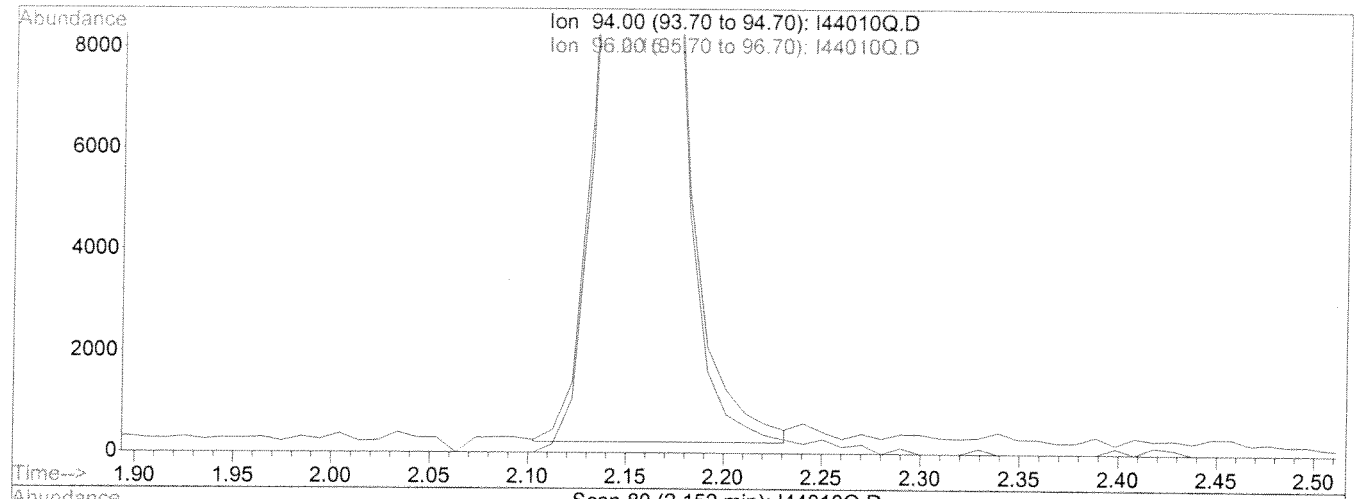
D429W

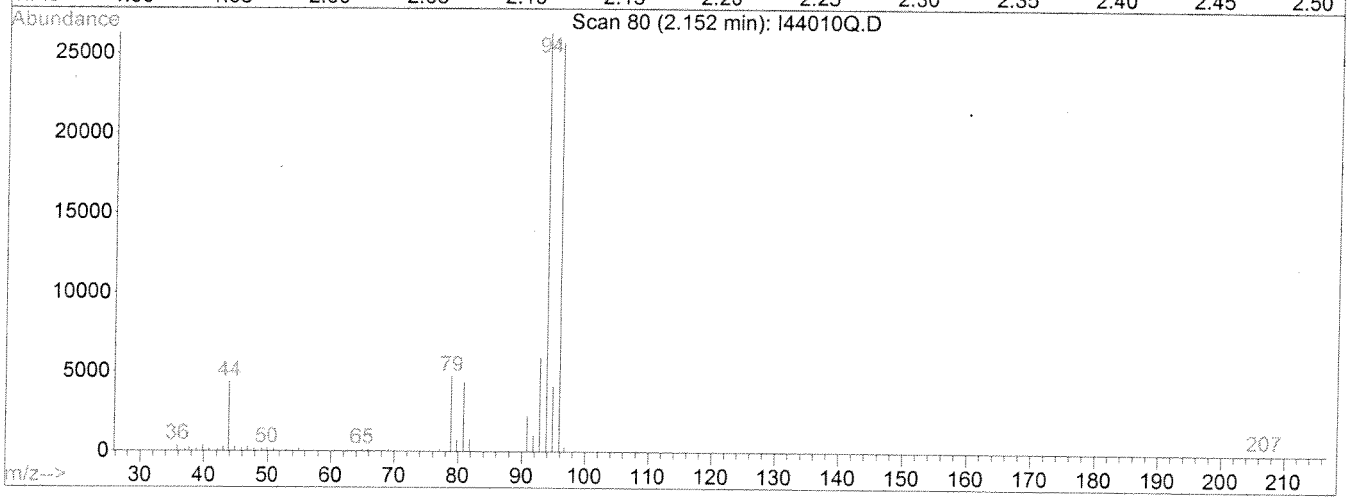
I44010Q.D VS09270I.M Tue Sep 28 13:54:59 2010

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:55 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10





TIC: I44010Q.D

(5) Bromomethane (TM)

2.15min 23.14ug/L m

response 56360

Ion	Exp%	Act%
94.00	100	100
96.00	96.00	97.72
0.00	0.00	0.00
0.00	0.00	0.00

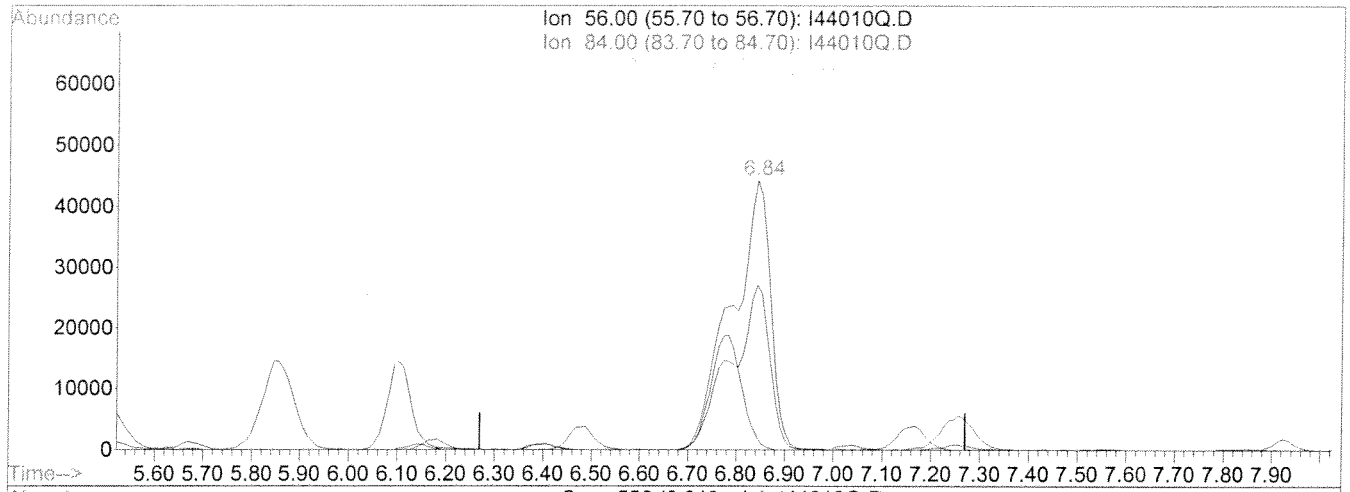
JG29W

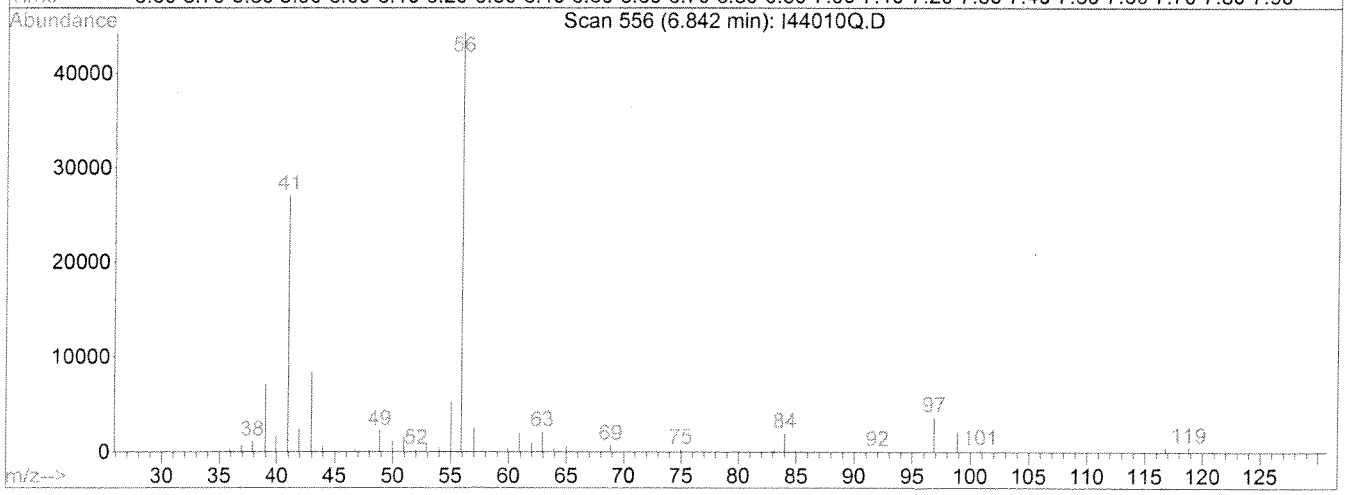
I44010Q.D VS09270I.M Tue Sep 28 13:55:05 2010

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:55 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10
Co-el





TIC: I44010Q.D

(44) Cyclohexane (TM)

6.84min 48.65ug/L

response 246611

Ion	Exp%	Act%
56.00	100	100
84.00	79.50	0.00#
41.00	63.20	37.66#
0.00	0.00	0.00

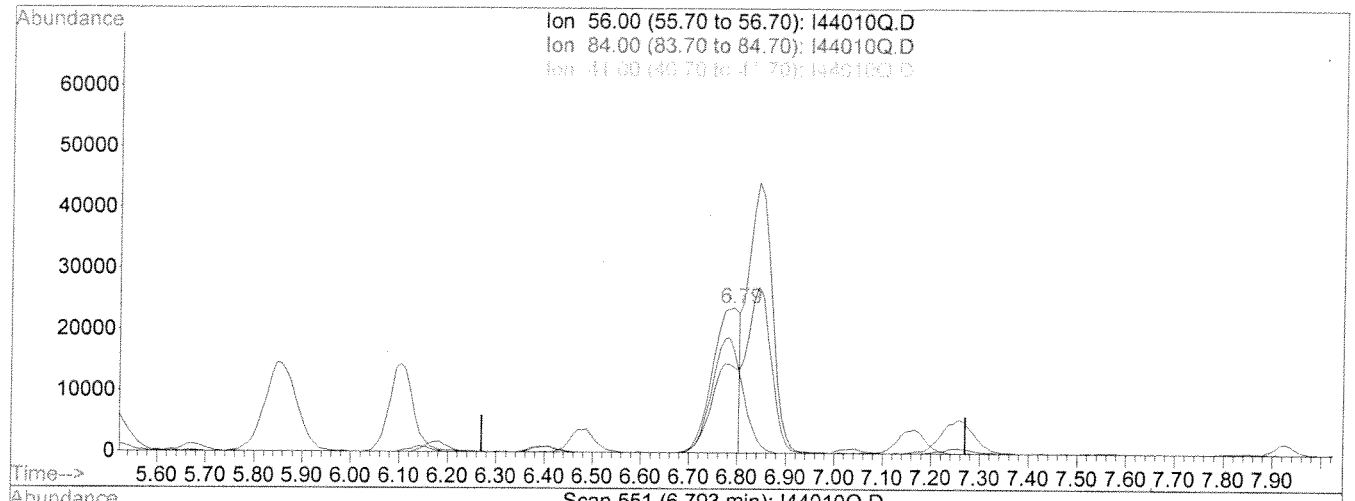
9/29/10

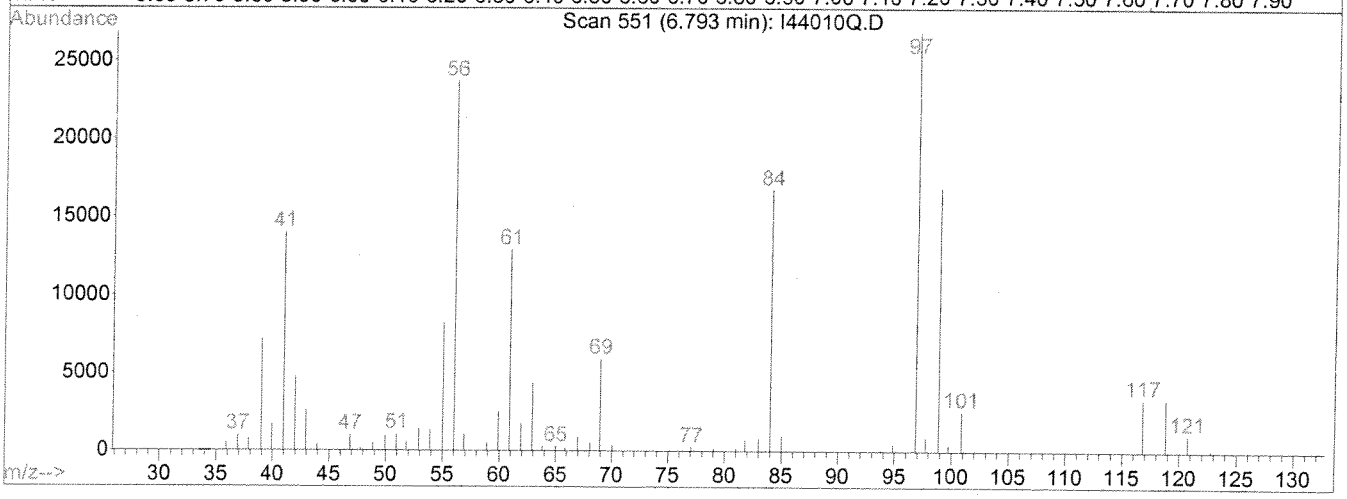
I44010Q.D VS09270I.M Tue Sep 28 13:56:42 2010

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:56 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10





TIC: I44010Q.D

(44) Cyclohexane (TM)

6.79min 18.33ug/L m

response 92921

Ion	Exp%	Act%
56.00	100	100
84.00	79.50	0.00#
41.00	63.20	99.95#
0.00	0.00	0.00

J929W

I44010Q.D VS09270I.M Tue Sep 28 13:56:51 2010

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: 20 PPB ICV2
Spike: 20 PPB ICV2

MT 9/29/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
Dichlorodifluoromethane	20	80	120	0.0	21	105	
Chloromethane	20	80	120	0.0	20	98	
Vinyl Chloride	20	80	120	0.0	20	102	
Bromomethane	20	80	120	0.0	22	112	
Chloroethane	20	80	120	0.0	21	105	
t-Butyl alcohol (TBA)	100	80	120	0.0	95	95	
Trichlorofluoromethane	20	80	120	0.0	18	91	
Diethyl ether	20	80	120	0.0	21	107	
1,1,2-Trichlorotrifluoroethane	20	80	120	0.0	20	101	
Acetone	100	80	120	0.0	104	104	
1,1-Dichloroethene	20	80	120	0.0	20	102	
Methyl iodide	20	80	120	0.0	26	130	*
Di-isopropyl ether (DIPE)	20	80	120	0.0	20	101	
Methylene Chloride	20	80	120	0.0	21	106	
Carbon Disulfide	20	80	120	0.0	22	111	
Methyl-tert-butyl ether (MTBE)	40	80	120	0.0	42	105	
trans-1,2-Dichloroethene	20	80	120	0.0	21	103	
1,1-Dichloroethane	20	80	120	0.0	20	102	
Vinyl acetate	20	80	120	0.0	19	93	
Methyl ethyl ketone	100	80	120	0.0	105	105	
Ethyl t-butyl ether (ETBE)	20	80	120	0.0	21	103	
2,2-Dichloropropane	20	80	120	0.0	21	103	
cis-1,2-Dichloroethene	20	80	120	0.0	21	107	
t-Amyl methyl ether (TAME)	20	80	120	0.0	21	103	
Chloroform	20	80	120	0.0	21	105	
Bromochloromethane	20	80	120	0.0	22	111	
Tetrahydrofuran	20	80	120	0.0	21	104	
1,1,1-Trichloroethane	20	80	120	0.0	21	106	
1,1-Dichloropropene	20	80	120	0.0	21	103	
Carbon Tetrachloride	20	80	120	0.0	21	106	
1,2-Dichloroethane	20	80	120	0.0	21	106	
Benzene	20	80	120	0.0	20	101	
Trichloroethene	20	80	120	0.0	21	104	
1,2-Dichloropropane	20	80	120	0.0	21	105	
Methylmethacrylate	20	80	120	0.0	22	109	
Methyl acetate	20	80	120	0.0	22	109	
Cyclohexane	20	80	120	0.0	18	90	
Bromodichloromethane	20	80	120	0.0	21	105	
Dibromomethane	20	80	120	0.0	21	105	
1,4-Dioxane	500	80	120	0.0	510	102	
Methylcyclohexane	20	80	120	0.0	21	104	
2-Hexanone	100	80	120	0.0	107	107	
Methyl isobutyl ketone	100	80	120	0.0	103	103	
cis-1,3-Dichloropropene	20	80	120	0.0	22	108	
Toluene	20	80	120	0.0	21	103	
trans-1,3-Dichloropropene	20	80	120	0.0	20	99	
1,1,2-Trichloroethane	20	80	120	0.0	22	108	
1,3-Dichloropropane	20	80	120	0.0	22	108	
Tetrachloroethene	20	80	120	0.0	22	112	
Dibromochloromethane	20	80	120	0.0	21	107	

* OK ICV

J929W

VOA FORM 3

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: 20 PPB ICV2
Spike: 20 PPB ICV2

MT 9/29/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
1,2-Dibromoethane	20	80	120	0.0	21	107	
Chlorobenzene	20	80	120	0.0	21	103	
1,1,1,2-Tetrachloroethane	20	80	120	0.0	21	105	
Ethylbenzene	20	80	120	0.0	20	102	
m,p-Xylene	40	80	120	0.0	41	102	
o-Xylene	20	80	120	0.0	20	102	
Styrene	20	80	120	0.0	21	106	
Bromoform	20	80	120	0.0	21	107	
Isopropylbenzene	20	80	120	0.0	18	91	
1,1,2,2-Tetrachloroethane	20	80	120	0.0	21	103	
1,2,3-Trichloropropane	20	80	120	0.0	21	105	
trans-1,4-Dichloro-2-butene	20	80	120	0.0	21	104	
n-Propylbenzene	20	80	120	0.0	20	100	
Bromobenzene	20	80	120	0.0	21	106	
1,3,5-Trimethylbenzene	20	80	120	0.0	21	103	
2-Chlorotoluene	20	80	120	0.0	21	104	
4-Chlorotoluene	20	80	120	0.0	20	98	
tert-butylbenzene	20	80	120	0.0	21	106	
1,2,4-Trimethylbenzene	20	80	120	0.0	20	99	
sec-butylbenzene	20	80	120	0.0	21	104	
p-isopropyltoluene	20	80	120	0.0	20	98	
1,3-Dichlorobenzene	20	80	120	0.0	20	101	
1,4-Dichlorobenzene	20	80	120	0.0	20	101	
n-butylbenzene	20	80	120	0.0	21	105	
1,2-Dichlorobenzene	20	80	120	0.0	21	105	
1,2-Dibromo-3-chloropropane	20	80	120	0.0	21	106	
1,2,4-Trichlorobenzene	20	80	120	0.0	21	103	
Hexachlorobutadiene	20	80	120	0.0	22	109	
Naphthalene	20	80	120	0.0	20	102	
1,2,3-Trichlorobenzene	20	80	120	0.0	22	110	
1,3,5-Trichlorobenzene	20	80	120	0.0	20	100	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 5/29/10

VOA FORM 3

Data File : C:\HPCHEM\1\DATA\092710-I\I44011Q.D
Acq On : 27 Sep 2010 9:44 pm
Sample : 20 PPB ICV2
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 13:59 2010

Vial: 18
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	113034	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	7.92	114	209787 ✓	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	182438 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	78006	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB HOLDER #28	7.29	65	98692	20.43	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.15% ✓			
36) d4-1,2-Dichloroethane	7.29	65	98692	20.43	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.15% ✓			
54) d8-Toluene	10.23	98	224394	19.90	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.50% ✓			
73) Bromofluorobenzene	14.50	95	93858	20.15	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.75% ✓			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	83242	21.00	ug/L	99
3) Chloromethane	1.67	50	67095	19.59	ug/L	98
4) Vinyl Chloride	1.76	62	61620	20.48	ug/L	97
5) Bromomethane	2.15	94	53022	22.49	ug/L	100
6) Chloroethane	2.23	64	34913	20.93	ug/L	91
7) t-Butyl alcohol (TBA)	3.29	59	48013	94.76	ug/L	97
8) Trichlorofluoromethane	2.47	101	108648	18.16	ug/L	94
9) Diethyl ether	2.80	74	31275	21.42	ug/L	96
10) 1,1,2-Trichlorotrifluoroet	2.96	101	64323	20.17	ug/L	98
12) Acetone	3.04	43	137844	104.44	ug/L	100
13) 1,1-Dichloroethene	3.16	96	55377	20.48	ug/L	97
14) Methyl iodide	3.56	142	108198	26.00	ug/L	100
15) Di-isopropyl ether (DIPE)	4.84	45	219230	20.15	ug/L	100
16) Methylene Chloride	3.83	84	88311	21.24	ug/L	98
17) Carbon Disulfide	3.79	76	197400	22.21	ug/L	100
18) Acrylonitrile	4.04	53	27629	22.39	ug/L	97
19) Methyl-tert-butyl ether (M	4.08	73	377758	42.19	ug/L	98
20) trans-1,2-Dichloroethene	4.28	96	67109	20.59	ug/L	99
21) 1,1-Dichloroethane	4.97	63	124280	20.34	ug/L	97
22) Vinyl acetate	5.02	86	8778	18.59	ug/L	70
23) Methyl ethyl ketone	5.68	72	38192	104.80	ug/L	89
24) Ethyl t-butyl ether (ETBE)	5.50	59	228547	20.53	ug/L	98
25) 2,2-Dichloropropane	5.85	77	100587	20.54	ug/L	98
26) cis-1,2-Dichloroethene	5.93	96	76655	21.46	ug/L	97
27) t-Amyl methyl ether (TAME)	7.25	73	178227	20.64	ug/L	98
29) Chloroform	6.18	83	129525	21.06	ug/L	98
30) Bromochloromethane	6.43	128	39060	22.14	ug/L #	84

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44011Q.D Vial: 18
Acq On : 27 Sep 2010 9:44 pm Operator: MT
Sample : 20 PPB ICV2 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:59 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.47	71	8275	20.76 ug/L	95
32)	1,1,1-Trichloroethane	6.78	97	107711	21.12 ug/L	95
34)	1,1-Dichloropropene	7.03	75	89499	20.53 ug/L	97
35)	Carbon Tetrachloride	7.15	119	87235	21.23 ug/L	95
37)	1,2-Dichloroethane	7.43	62	120213	21.16 ug/L	99
38)	Benzene	7.43	78	219593	20.29 ug/L	98
40)	Trichloroethene	8.39	95	71594	20.74 ug/L	94
41)	1,2-Dichloropropane	8.66	63	65867	20.90 ug/L	97
42)	Methylmethacrylate	8.83	69	46761	21.88 ug/L	99
43)	Methyl acetate	3.64	43	70484	21.90 ug/L #	97
44)	Cyclohexane	6.78	56	88373	17.97 ug/L	93
45)	Bromodichloromethane	9.02	83	99366	20.94 ug/L	98
46)	Dibromomethane	9.09	93	58364	20.90 ug/L	95
47)	1,4-Dioxane	9.08	88	22174	509.67 ug/L	95
48)	Methylcyclohexane	8.45	83	95981	20.86 ug/L	97
51)	2-Hexanone	10.96	58	150357	106.89 ug/L	96
52)	Methyl isobutyl ketone	9.61	58	145853	102.50 ug/L	96
53)	cis-1,3-Dichloropropene	9.88	75	108310	21.67 ug/L	98
55)	Toluene	10.35	92	143232	20.66 ug/L	99
56)	trans-1,3-Dichloropropene	10.67	75	97188	19.80 ug/L	99
58)	1,1,2-Trichloroethane	10.90	83	51502	21.65 ug/L	99
59)	1,3-Dichloropropane	11.29	76	98708	21.58 ug/L	98
60)	Tetrachloroethene	11.34	166	67348	22.49 ug/L	97
61)	Dibromochloromethane	11.65	129	75951	21.31 ug/L	94
62)	1,2-Dibromoethane	11.95	107	76810	21.46 ug/L	99
64)	Chlorobenzene	12.62	112	172733	20.68 ug/L	96
65)	1,1,1,2-Tetrachloroethane	12.70	131	61469	21.08 ug/L	95
66)	Ethylbenzene	12.72	91	273527	20.47 ug/L	99
67)	m,p-Xylene	12.85	106	203841	40.63 ug/L	97
68)	o-Xylene	13.53	106	100185	20.43 ug/L	88
69)	Styrene	13.59	104	183389	21.28 ug/L	99
70)	Bromoform	14.08	173	46729	21.44 ug/L	99
71)	Isopropylbenzene	14.11	105	231496	18.18 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.40	83	79943	20.53 ug/L	97
74)	1,2,3-Trichloropropane	14.62	75	63055	20.99 ug/L	95
75)	trans-1,4-Dichloro-2-buten	14.77	88	13140	20.89 ug/L #	43
76)	n-Propylbenzene	14.75	91	314703	20.07 ug/L	97
77)	Bromobenzene	14.77	156	65851	21.10 ug/L	91
78)	1,3,5-Trimethylbenzene	15.01	105	215086	20.51 ug/L	99
79)	2-Chlorotoluene	15.00	91	219069	20.84 ug/L	98
80)	4-Chlorotoluene	15.09	91	191294	19.65 ug/L	96
81)	tert-butylbenzene	15.58	119	187382	21.27 ug/L	98

(#) = qualifier out of range (m) = manual integration 9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44011Q.D Vial: 18
Acq On : 27 Sep 2010 9:44 pm Operator: MT
Sample : 20 PPB ICV2 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:59 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.63	105	219826	19.82 ug/L	99
83)	Pentachloroethane	15.64	167	31533	18.78 ug/L	99
84)	sec-butylbenzene	15.91	105	283267	20.77 ug/L	100
85)	p-isopropyltoluene	16.15	119	210264	19.59 ug/L	98
86)	1,3-Dichlorobenzene	16.25	146	110194	20.14 ug/L	98
88)	1,4-Dichlorobenzene	16.43	146	111861	20.17 ug/L	99
89)	n-butylbenzene	16.81	91	226500	21.10 ug/L	98
90)	1,2-Dichlorobenzene	17.01	146	106448	20.97 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.30	75	15736	21.20 ug/L	92
94)	1,2,4-Trichlorobenzene	19.72	180	73447	20.58 ug/L	93
95)	Hexachlorobutadiene	19.98	225	32537	21.73 ug/L	97
96)	Naphthalene	20.12	128	133265	20.33 ug/L	95
97)	1,2,3-Trichlorobenzene	20.54	180	69454	21.98 ug/L	97
98)	1,3,5-Trichlorobenzene	18.68	180	78056	19.97 ug/L	99

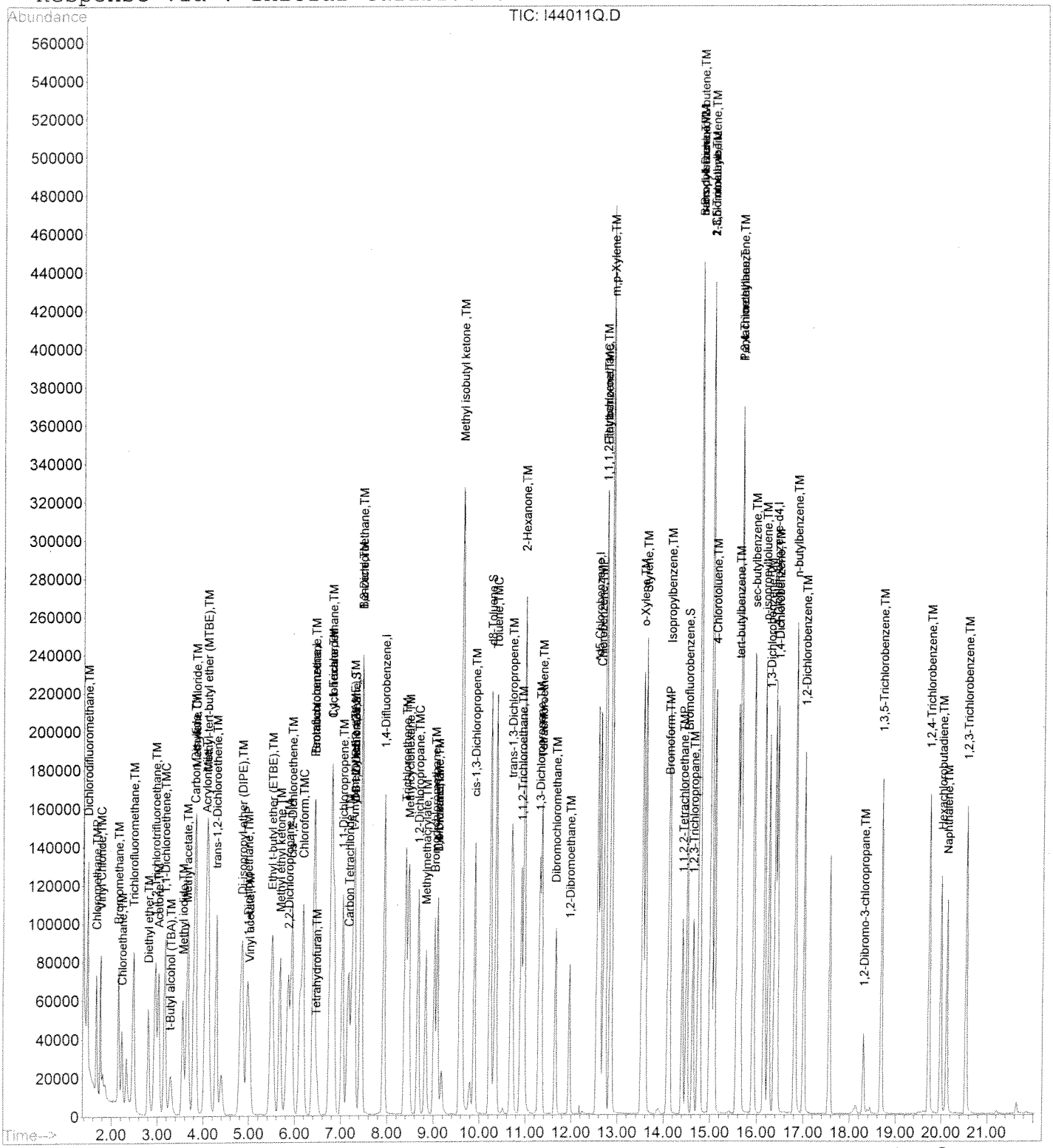
JS 9/29/10

(#) = qualifier out of range (m) = manual integration
I44011Q.D VS09270I.M Tue Sep 28 13:59:37 2010 Page 3

Data File : C:\HPCHEM\1\DATA\092710-I\I44011Q.D Vial: 18
Acq On : 27 Sep 2010 9:44 pm Operator: MT
Sample : 20 PPB ICV2 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:59 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



9/29/10

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil MT 9/29/10
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration *RR

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓98	0.02
2	TM	Dichlorodifluoromethane	0.701	0.739	-5.4	109	0.00
3	TMP	Chloromethane	0.606	0.602✓	0.7	106	0.00
4	TMC	Vinyl Chloride	0.532	0.557	✓-4.7	108	0.00
5	TM	Bromomethane	0.417	0.475	-13.9	126	0.00
6	TM	Chloroethane	0.295	0.309	-4.7	105	0.01
7	TM	t-Butyl alcohol (TBA)	0.090	0.111	MT -23.3#	111	0.02
8	TM	Trichlorofluoromethane	1.059	1.143	-7.9	111	0.00
9	TM	Diethyl ether	0.258	0.287	-11.2	109	0.00
10	TM	1,1,2-Trichlorotrifluoroeth	0.564	0.637	-12.9	113	0.02
11	T	Acrolein	0.000	0.000#	0.0	106	0.02
12	TM	Acetone	0.234	0.278	-18.8	113	0.01
13	TMC	1,1-Dichloroethene	0.478	0.544	✓-13.8	116	0.00
14	TM	Methyl iodide	0.736	0.820	-11.4	113	0.01
15	TM	Di-isopropyl ether (DIPE)	1.925	2.079	-8.0	108	0.02
16	TM	Methylene Chloride	1.587	0.988	Lin 142% ~~87.7#~~	132	0.02
17	TM	Carbon Disulfide	1.572	1.712	-8.9	111	0.02
18	T	Acrylonitrile	0.218	0.257	-17.9	107	0.00
19	TM	Methyl-tert-butyl ether (MT	1.584	1.773	-11.9	110	0.03
20	TM	trans-1,2-Dichloroethene	0.577	0.638	-10.6	115	0.00
21	TMP	1,1-Dichloroethane	1.081	1.179✓	-9.1	111	0.02
22	TM	Vinyl acetate	0.084	0.098#	-16.7	110	0.01
23	TM	Methyl ethyl ketone	0.064	0.078#	120% -21.9#	108	0.02
24	TM	Ethyl t-butyl ether (ETBE)	1.969	2.160	-9.7	108	0.00
25	TM	2,2-Dichloropropane	0.866	0.969	-11.9	114	0.03
26	TM	cis-1,2-Dichloroethene	0.632	0.698	-10.4	112	0.00
27	TM	t-Amyl methyl ether (TAME)	1.528	1.698	-11.1	109	0.00
28	S	DB HOLDER #28	0.855	0.895	-4.7	102	0.00
29	TMC	Chloroform	1.088	1.189	✓-9.3	111	0.02
30	TM	Bromochloromethane	0.312	0.349	-11.9	106	0.02
31	TM	Tetrahydrofuran	0.071	0.081#	-14.1	108	0.00
32	TM	1,1,1-Trichloroethane	0.902	1.018	-12.9	114	0.02
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.771	0.847	-9.9	113	0.02
35	TM	Carbon Tetrachloride	0.727	0.815	-12.1	114	0.00
36	S	d4-1,2-Dichloroethane	0.855	0.895	-4.7	102	0.00
37	TM	1,2-Dichloroethane	1.005	1.107	-10.1	109	0.00
38	TM	Benzene	1.915	2.059	-7.5	109	0.02
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓99	0.02
40	TM	Trichloroethene	0.329	0.364	-10.6	112	0.00
41	TMC	1,2-Dichloropropane	0.300	0.324	✓-8.0	112	0.02

(#) = Out of Range 9/29/10

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil MT 9/29/10
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.204	0.234	-14.7	109	0.00
43	TM	Methyl acetate	0.307	0.328	-6.8	109	0.00
44	TM	Cyclohexane	0.469	0.510	-8.7	111	0.03
45	TM	Bromodichloromethane	0.452	0.491	-8.6	109	0.00
46	TM	Dibromomethane	0.266	0.292	-9.8	108	0.00
47	TM	1,4-Dioxane	0.004	0.005#	MT -25.0#	109	0.00
48	TM	Methylcyclohexane	0.439	0.492	-12.1	114	0.02
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	109	0.00
51	TM	2-Hexanone	0.134	0.162 121%	-20.9#	111	0.00
52	TM	Methyl isobutyl ketone	0.136	0.161	-18.4	110	0.00
53	TM	cis-1,3-Dichloropropene	0.477	0.512	-7.3	109	0.02
54	S	d8-Toluene	1.075	1.081	-0.6	99	0.00
55	TMC	Toluene	0.661	0.705	✓-6.7	110	0.02
56	TM	trans-1,3-Dichloropropene	0.468	0.528	-12.8	112	0.02
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.227	0.252	-11.0	107	0.00
59	TM	1,3-Dichloropropane	0.436	0.479	-9.9	108	0.02
60	TM	Tetrachloroethene	0.285	0.327	-14.7	117	0.00
61	TM	Dibromochloromethane	0.340	0.382	-12.4	109	0.02
62	TM	1,2-Dibromoethane	0.341	0.386	-13.2	110	0.02
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓ 98	0.00
64	TMP	Chlorobenzene	0.916	1.004✓	-9.6	111	0.02
65	TM	1,1,1,2-Tetrachloroethane	0.320	0.346	-8.1	110	0.02
66	TMC	Ethylbenzene	1.465	1.624	✓-10.9	112	0.00
67	TM	m,p-Xylene	0.550	0.591	-7.5	110	0.02
68	TM	o-Xylene	0.538	0.578	-7.4	107	0.00
69	TM	Styrene	0.945	1.045	-10.6	110	0.02
70	TMP	Bromoform	0.239	0.275✓	-15.1	110	0.00
71	TM	Isopropylbenzene	1.396	1.536	-10.0	112	0.02
72	TMP	1,1,2,2-Tetrachloroethane	0.427	0.475✓	-11.2	107	0.02
73	S	Bromofluorobenzene	0.511	0.515	-0.8	100	0.00
74	TM	1,2,3-Trichloropropane	0.329	0.355	-7.9	105	0.02
75	TM	trans-1,4-Dichloro-2-butene	0.069	0.087#	MT -26.1#	112	0.02
76	TM	n-Propylbenzene	1.719	1.899	-10.5	111	0.02
77	TM	Bromobenzene	0.342	0.377	-10.2	111	0.00
78	TM	1,3,5-Trimethylbenzene	1.149	1.259	-9.6	112	0.00
79	TM	2-Chlorotoluene	1.152	1.222	-6.1	109	0.02
80	TM	4-Chlorotoluene	1.067	1.155	-8.2	109	0.00
81	TM	tert-butylbenzene	0.966	1.046	-8.3	106	0.00
82	TM	1,2,4-Trimethylbenzene	1.216	1.338	-10.0	111	0.02

(#) = Out of Range JG 29 9 10

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.184	0.196	-6.5	106	0.01
84	TM	sec-butylbenzene	1.495	1.667	-11.5	114	0.02
85	TM	p-isopropyltoluene	1.176	1.308	-11.2	112	0.02
86	TM	1,3-Dichlorobenzene	0.600	0.665	-10.8	112	0.02
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓96	0.02
88	TM	1,4-Dichlorobenzene	1.422	1.600	-12.5	115	0.02
89	TM	n-butylbenzene	2.752	3.208	-16.6	115	0.02
90	TM	1,2-Dichlorobenzene	1.301	1.456	-11.9	110	0.02
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.190	0.239 12c%	-25.8#	114	0.02
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.915	1.048	-14.5	113	0.02
95	TM	Hexachlorobutadiene	0.384	0.454	-18.2	115	0.02
96	TM	Naphthalene	1.510	1.855Q 110%	~~-22.8~~#	110	0.02
97	TM	1,2,3-Trichlorobenzene	0.810	0.935	-15.4	112	0.02
98	TM	1,3,5-Trichlorobenzene	1.002	1.172	-17.0	116	0.02

JR 29 10

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	I44014SC.D
0=LINEAR	Date Acquired	9/28/2010 8:19
3=QUADRATIC	Sample Name	20 PPB

MT 9/29/10

METHOD: C:\HPCHEM\1\METHODS\VS09270I.M

*RR

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	21.09	20	5.4%	NA	OK
1	Chloromethane	19.86	20	0.7%	NA	OK
1	Vinyl Chloride	20.93	20	4.7%	NA	OK
1	Bromomethane	22.77	20	13.9%	NA	OK
1	Chloroethane	20.92	20	4.6%	NA	OK
1	t-Butyl alcohol (TBA)	124.36	100	24.4%	NA	* MT
1	Trichlorofluoromethane	21.59	20	7.9%	NA	OK
1	Diethyl ether	22.26	20	11.3%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	22.57	20	12.8%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	* MT
1	Acetone	118.97	100	19.0%	NA	OK
1	1,1-Dichloroethene	22.74	20	13.7%	NA	OK
1	Methyl iodide	22.26	20	11.3%	NA	OK
1	Di-isopropyl ether (DIPE)	21.60	20	8.0%	NA	OK
0	Methylene Chloride	28.50	20	42.5%		*
1	Carbon Disulfide	21.77	20	8.9%	NA	OK
1	Acrylonitrile	23.54	20	17.7%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	22.39	20	12.0%	NA	OK
1	trans-1,2-Dichloroethene	22.13	20	10.7%	NA	OK
1	1,1-Dichloroethane	21.81	20	9.1%	NA	OK
1	Vinyl acetate	23.45	20	17.3%	NA	OK
1	Methyl ethyl ketone	120.45	100	20.4%	NA	*
1	Ethyl t-butyl ether (ETBE)	21.94	20	9.7%	NA	OK
1	2,2-Dichloropropane	22.38	20	11.9%	NA	OK
1	cis-1,2-Dichloroethene	22.09	20	10.4%	NA	OK
1	t-Amyl methyl ether (TAME)	22.23	20	11.2%	NA	OK
1	Chloroform	21.84	20	9.2%	NA	OK
1	Bromochloromethane	22.38	20	11.9%	NA	OK
1	Tetrahydrofuran	23.02	20	15.1%	NA	OK
1	1,1,1-Trichloroethane	22.56	20	12.8%	NA	OK
1	~~NO COMPOUND~~	0.00	1000	100.0%	NA	*
1	1,1-Dichloropropene	21.95	20	9.7%	NA	OK
1	Carbon Tetrachloride	22.43	20	12.1%	NA	OK
1	d4-1,2-Dichloroethane	20.94	20	4.7%	NA	OK
1	1,2-Dichloroethane	22.02	20	10.1%	NA	OK
1	Benzene	21.51	20	7.5%	NA	OK
1	Trichloroethene	22.11	20	10.6%	NA	OK
1	1,2-Dichloropropane	21.57	20	7.8%	NA	OK
1	Methylmethacrylate	22.94	20	14.7%	NA	OK
1	Methyl acetate	21.35	20	6.7%	NA	OK

092900

MT 9/29/10

1	Cyclohexane	21.74	20	8.7%	NA	OK
1	Bromodichloromethane	21.69	20	8.4%	NA	OK
1	Dibromomethane	21.96	20	9.8%	NA	OK
1	1,4-Dioxane	598.09	500	19.6%	NA	OK
1	Methylcyclohexane	22.41	20	12.1%	NA	OK
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	* MT
1	2-Hexanone	120.89	100	20.9%	NA	*
1	Methyl isobutyl ketone	118.82	100	18.8%	NA	OK
1	cis-1,3-Dichloropropene	21.50	20	7.5%	NA	OK
1	d8-Toluene	20.11	20	0.6%	NA	OK
1	Toluene	21.33	20	6.6%	NA	OK
1	trans-1,3-Dichloropropene	22.57	20	12.8%	NA	OK
1	1,1,2-Trichloroethane	22.22	20	11.1%	NA	OK
1	1,3-Dichloropropane	21.96	20	9.8%	NA	OK
1	Tetrachloroethene	22.90	20	14.5%	NA	OK
1	Dibromochloromethane	22.47	20	12.3%	NA	OK
1	1,2-Dibromoethane	22.63	20	13.2%	NA	OK
1	Chlorobenzene	21.93	20	9.6%	NA	OK
1	1,1,1,2-Tetrachloroethane	21.66	20	8.3%	NA	OK
1	Ethylbenzene	22.17	20	10.8%	NA	OK
1	m,p-Xylene	42.97	40	7.4%	NA	OK
1	o-Xylene	21.52	20	7.6%	NA	OK
1	Styrene	22.12	20	10.6%	NA	OK
1	Bromoform	22.99	20	15.0%	NA	OK
1	Isopropylbenzene	22.01	20	10.0%	NA	OK
1	1,1,2,2-Tetrachloroethane	22.27	20	11.4%	NA	OK
1	Bromofluorobenzene	20.17	20	0.8%	NA	OK
1	1,2,3-Trichloropropane	21.57	20	7.9%	NA	OK
1	trans-1,4-Dichloro-2-butene	25.37	20	26.8%	NA	* MT
1	n-Propylbenzene	22.10	20	10.5%	NA	OK
1	Bromobenzene	22.03	20	10.1%	NA	OK
1	1,3,5-Trimethylbenzene	21.91	20	9.5%	NA	OK
1	2-Chlorotoluene	21.21	20	6.0%	NA	OK
1	4-Chlorotoluene	21.64	20	8.2%	NA	OK
1	tert-butylbenzene	21.66	20	8.3%	NA	OK
1	1,2,4-Trimethylbenzene	22.02	20	10.1%	NA	OK
1	Pentachloroethane	21.32	20	6.6%	NA	OK
1	sec-butylbenzene	22.31	20	11.5%	NA	OK
1	p-isopropyltoluene	22.24	20	11.2%	NA	OK
1	1,3-Dichlorobenzene	22.18	20	10.9%	NA	OK
1	1,4-Dichlorobenzene	22.50	20	12.5%	NA	OK
1	n-butylbenzene	23.31	20	16.6%	NA	OK
1	1,2-Dichlorobenzene	22.38	20	11.9%	NA	OK
1	1,2-Dibromo-3-chloropropane	25.16	20	25.8%	NA	*
1	1,2,4-Trichlorobenzene	22.90	20	14.5%	NA	OK
1	Hexachlorobutadiene	23.67	20	18.4%	NA	OK
3	Naphthalene	21.95	20	9.8%		OK
1	1,2,3-Trichlorobenzene	23.09	20	15.4%	NA	OK
1	1,3,5-Trichlorobenzene	23.39	20	16.9%	NA	OK

9/29/10

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 7:36 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	113444	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	7.94	114	212923 ✓	20.00	ug/L	0.02
63) *d5-Chlorobenzene	12.57	117	181479 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.40	152	77416	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.30	65	101513	20.94	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.70% ✓			
36) d4-1,2-Dichloroethane	7.30	65	101513	20.94	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.70% ✓			
54) d8-Toluene	10.24	98	230142	20.11	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.55% ✓			
73) Bromofluorobenzene	14.50	95	93461	20.17	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.85% ✓			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.49	85	83871	21.09	ug/L	98
3) Chloromethane	1.68	50	68285	19.86	ug/L	99
4) Vinyl Chloride	1.76	62	63229	20.93	ug/L	96
5) Bromomethane	2.16	94	53872	22.77	ug/L	99
6) Chloroethane	2.24	64	35013	20.92	ug/L	87
7) t-Butyl alcohol (TBA)	3.30	59	63236	124.36	ug/L	100
8) Trichlorofluoromethane	2.48	101	129627	21.59	ug/L	98
9) Diethyl ether	2.81	74	32615	22.26	ug/L	96
10) 1,1,2-Trichlorotrifluoroet	2.97	101	72237	22.57	ug/L	99
12) Acetone	3.04	43	157595	118.97	ug/L	100
13) 1,1-Dichloroethene	3.17	96	61700	22.74	ug/L	97
14) Methyl iodide	3.57	142	92969	22.26	ug/L	99
15) Di-isopropyl ether (DIPE)	4.85	45	235866	21.60	ug/L	99
16) Methylene Chloride	3.84	84	112075	28.50	ug/L	99
17) Carbon Disulfide	3.81	76	194195	21.77	ug/L	100
18) Acrylonitrile	4.05	53	29163	23.54	ug/L	98
19) Methyl-tert-butyl ether (M	4.10	73	201191	22.39	ug/L	98
20) trans-1,2-Dichloroethene	4.30	96	72387	22.13	ug/L	99
21) 1,1-Dichloroethane	4.99	63	133749	21.81	ug/L	98
22) Vinyl acetate	5.04	86	11114	23.45	ug/L	83
23) Methyl ethyl ketone	5.69	72	44054	120.45	ug/L	93
24) Ethyl t-butyl ether (ETBE)	5.50	59	245031	21.94	ug/L	99
25) 2,2-Dichloropropane	5.87	77	109971	22.38	ug/L	95
26) cis-1,2-Dichloroethene	5.94	96	79186	22.09	ug/L	95
27) t-Amyl methyl ether (TAME)	7.26	73	192627	22.23	ug/L	97
29) Chloroform	6.19	83	134840	21.84	ug/L	96
30) Bromochloromethane	6.43	128	39619	22.38	ug/L #	86

(#) = qualifier out of range (m) = manual integration 092910

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 7:36 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	6.49	71	9206	23.02 ug/L	98
32) 1,1,1-Trichloroethane	6.80	97	115466	22.56 ug/L	96
34) 1,1-Dichloropropene	7.05	75	96048	21.95 ug/L	96
35) Carbon Tetrachloride	7.17	119	92462	22.43 ug/L	96
37) 1,2-Dichloroethane	7.45	62	125560	22.02 ug/L	100
38) Benzene	7.45	78	233590	21.51 ug/L	99
40) Trichloroethene	8.40	95	77467	22.11 ug/L	97
41) 1,2-Dichloropropane	8.68	63	68964	21.57 ug/L	99
42) Methylmethacrylate	8.84	69	49763	22.94 ug/L	98
43) Methyl acetate	3.65	43	69737	21.35 ug/L	98
44) Cyclohexane	6.80	56	108509	21.74 ug/L	98
45) Bromodichloromethane	9.03	83	104459	21.69 ug/L	100
46) Dibromomethane	9.09	93	62216	21.96 ug/L	99
47) 1,4-Dioxane	9.09	88	26410	598.09 ug/L	99
48) Methylcyclohexane	8.47	83	104652	22.41 ug/L	99
51) 2-Hexanone	10.97	58	172594	120.89 ug/L	96
52) Methyl isobutyl ketone	9.62	58	171602	118.82 ug/L	98
53) cis-1,3-Dichloropropene	9.90	75	109095	21.50 ug/L	100
55) Toluene	10.37	92	150117	21.33 ug/L	95
56) trans-1,3-Dichloropropene	10.69	75	112416	22.57 ug/L	98
58) 1,1,2-Trichloroethane	10.91	83	53640	22.22 ug/L	97
59) 1,3-Dichloropropane	11.31	76	101950	21.96 ug/L	99
60) Tetrachloroethene	11.35	166	69598	22.90 ug/L	97
61) Dibromochloromethane	11.67	129	81255	22.47 ug/L	95
62) 1,2-Dibromoethane	11.97	107	82201	22.63 ug/L	99
64) Chlorobenzene	12.63	112	182217	21.93 ug/L	98
65) 1,1,1,2-Tetrachloroethane	12.72	131	62824	21.66 ug/L	94
66) Ethylbenzene	12.74	91	294660	22.17 ug/L	98
67) m,p-Xylene	12.87	106	214472	42.97 ug/L	97
68) o-Xylene	13.54	106	104970	21.52 ug/L	92
69) Styrene	13.61	104	189647	22.12 ug/L	98
70) Bromoform	14.09	173	49843	22.99 ug/L	99
71) Isopropylbenzene	14.13	105	278705	22.01 ug/L	95
72) 1,1,2,2-Tetrachloroethane	14.42	83	86252	22.27 ug/L	95
74) 1,2,3-Trichloropropane	14.64	75	64481	21.57 ug/L	100
75) trans-1,4-Dichloro-2-buten	14.79	88	15872	25.37 ug/L	82
76) n-Propylbenzene	14.77	91	344668	22.10 ug/L	96
77) Bromobenzene	14.78	156	68390	22.03 ug/L	97
78) 1,3,5-Trimethylbenzene	15.03	105	228503	21.91 ug/L	98
79) 2-Chlorotoluene	15.02	91	221709	21.21 ug/L	98
80) 4-Chlorotoluene	15.10	91	209573	21.64 ug/L	98
81) tert-butylbenzene	15.59	119	189762m	21.66 ug/L	

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 7:36 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.65	105	242903	22.02 ug/L	99
83)	Pentachloroethane	15.65	167	35603	21.32 ug/L	99
84)	sec-butylbenzene	15.93	105	302572	22.31 ug/L	98
85)	p-isopropyltoluene	16.17	119	237405	22.24 ug/L	98
86)	1,3-Dichlorobenzene	16.27	146	120751	22.18 ug/L	97
88)	1,4-Dichlorobenzene	16.45	146	123827	22.50 ug/L	96
89)	n-butylbenzene	16.83	91	248344	23.31 ug/L	98
90)	1,2-Dichlorobenzene	17.03	146	112735	22.38 ug/L	98
92)	1,2-Dibromo-3-chloropropan	18.32	75	18537	25.16 ug/L	90
94)	1,2,4-Trichlorobenzene	19.75	180	81107	22.90 ug/L	95
95)	Hexachlorobutadiene	20.00	225	35180	23.67 ug/L	96
96)	Naphthalene	20.14	128	143568	21.95 ug/L	97
97)	1,2,3-Trichlorobenzene	20.55	180	72393	23.09 ug/L	98
98)	1,3,5-Trichlorobenzene	18.70	180	90694	23.39 ug/L	100

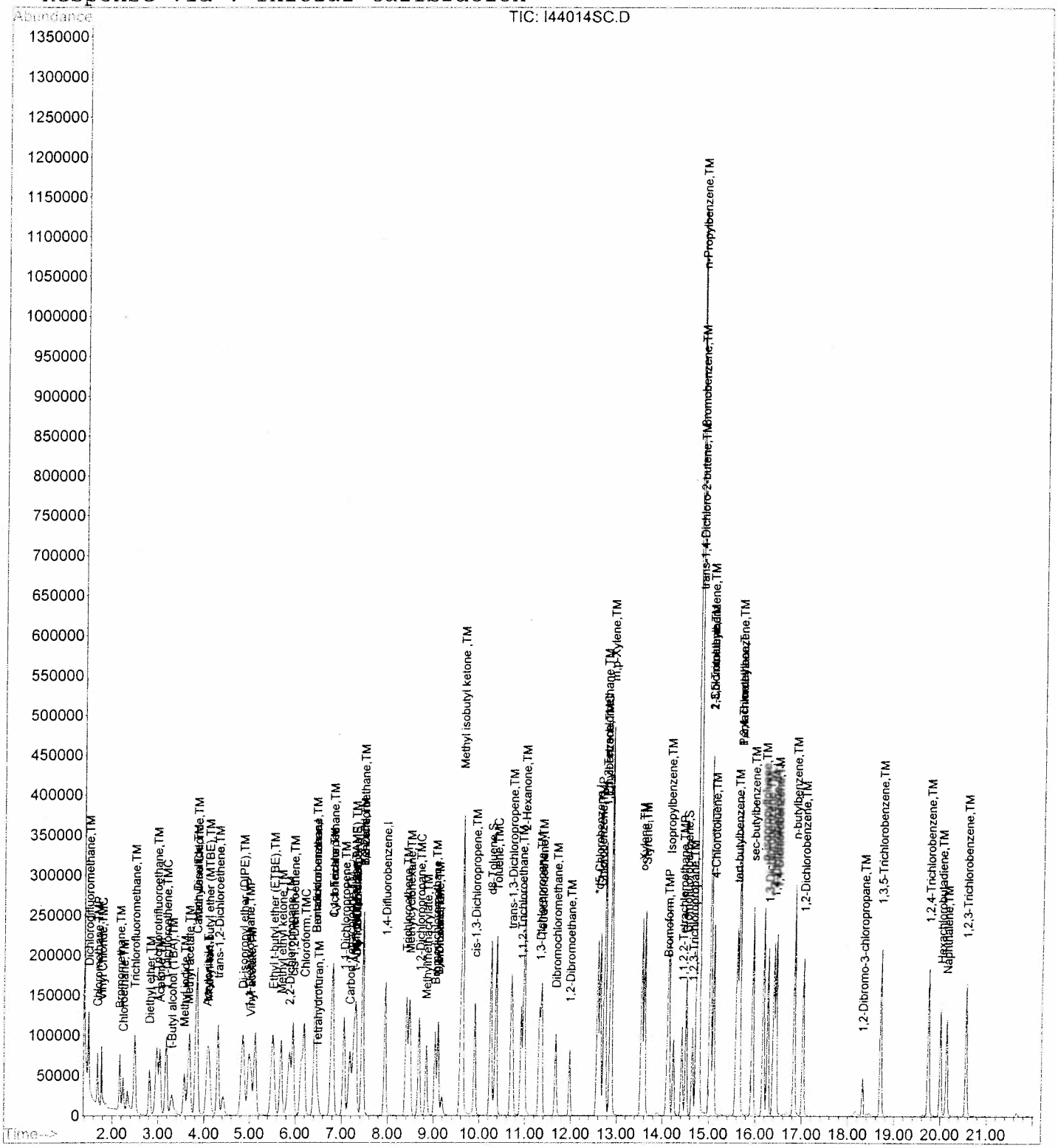
J9/29/10

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 7:36 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

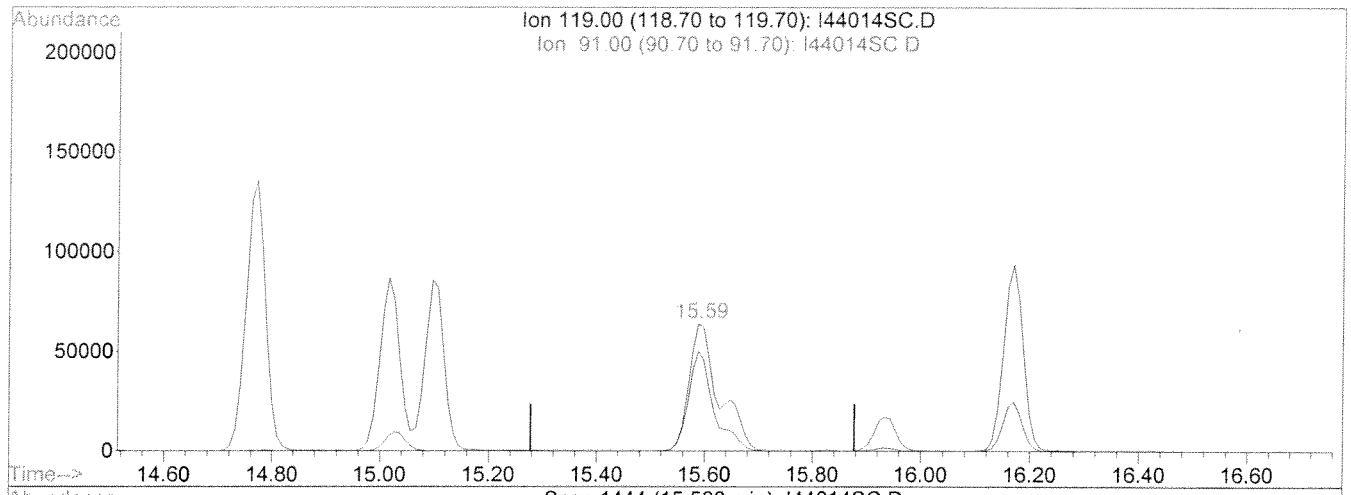


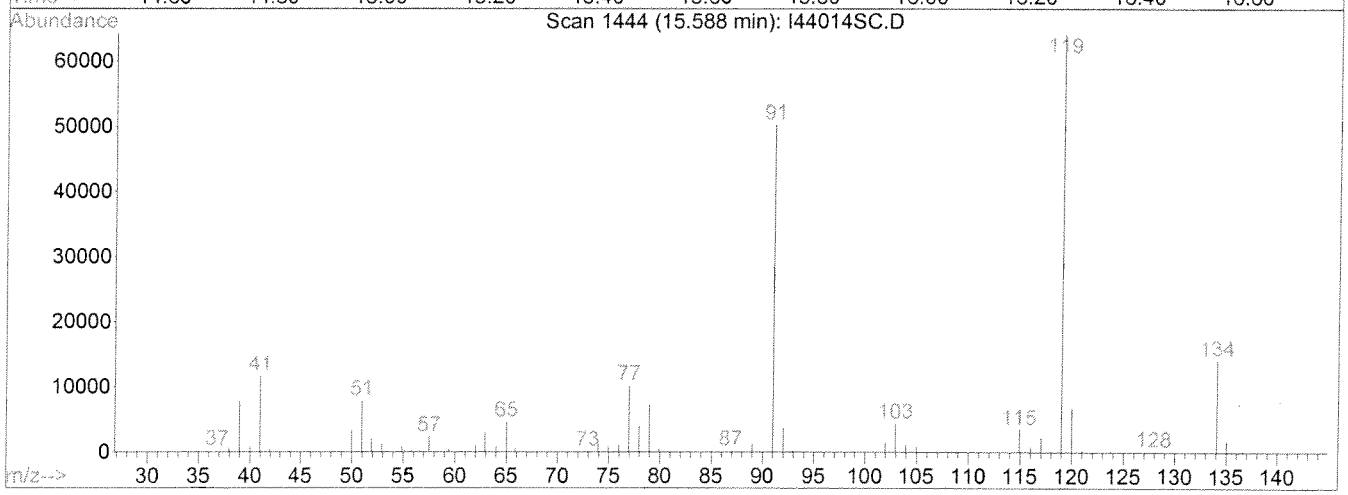
9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10
co-el/e.a.





TIC: I44014SC.D

(81) tert-butylbenzene (TM)

15.59min 28.44ug/L

response 249188

Ion	Exp%	Act%
119.00	100	100
91.00	75.50	77.98
0.00	0.00	0.00
0.00	0.00	0.00

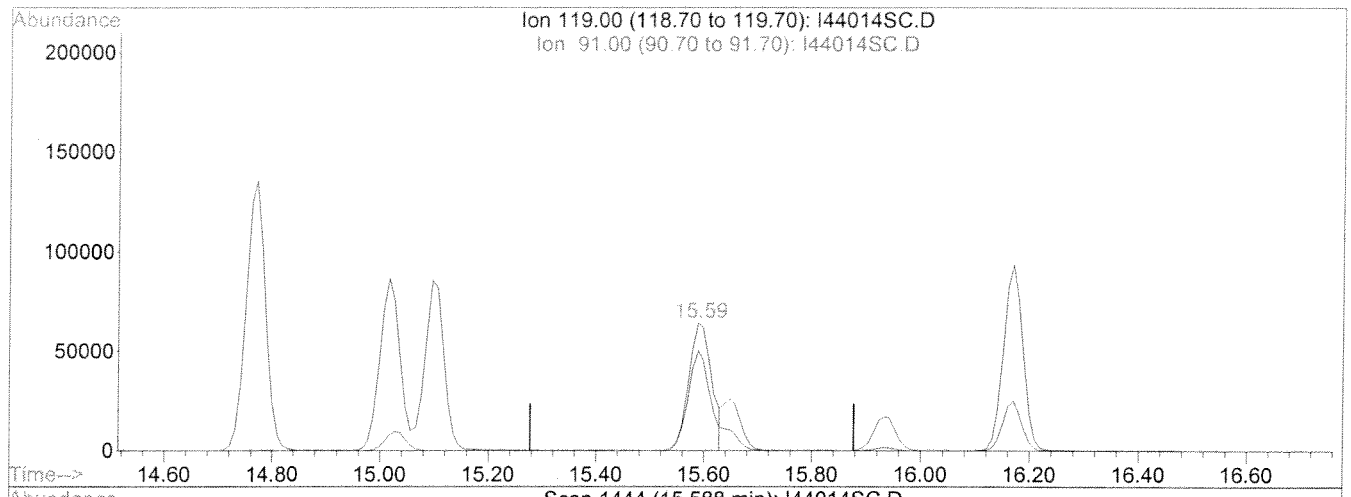
JG 29W

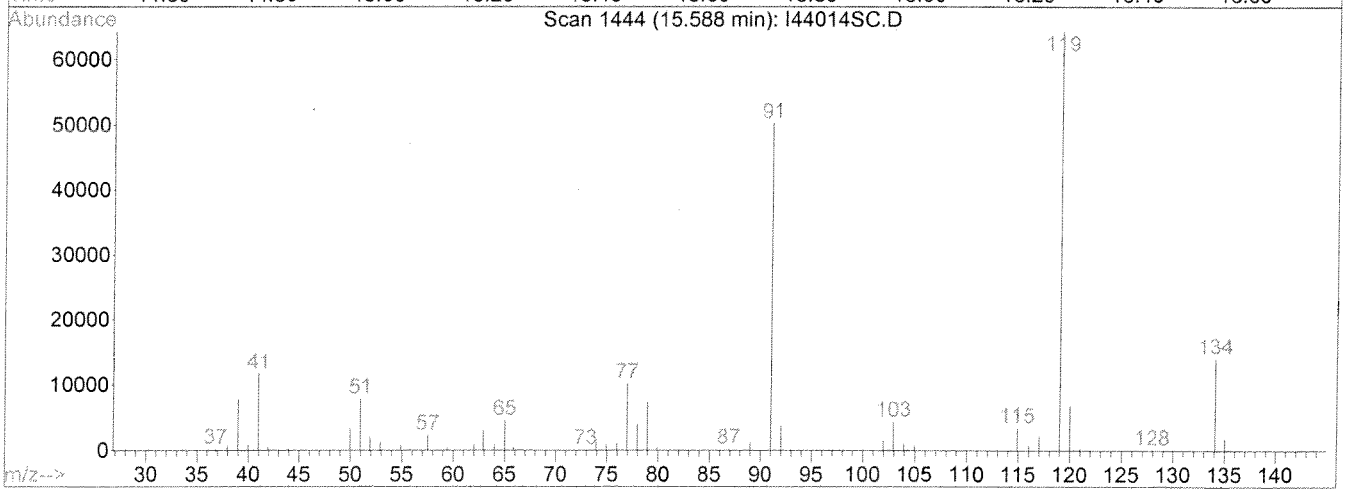
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 7:36 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10





TIC: I44014SC.D

(81) tert-butylbenzene (TM)

15.59min 21.66ug/L m

response 189762

Ion	Exp%	Act%
119.00	100	100
91.00	75.50	78.16
0.00	0.00	0.00
0.00	0.00	0.00

J 9/29/10

I44014SC.D VS09270I.M Wed Sep 29 07:36:42 2010

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D Vial: 4
Acq On : 28 Sep 2010 8:52 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓100	0.03
2	TM	Dichlorodifluoromethane	0.701	0.724	-3.3	108	0.00
3	TMP	Chloromethane	0.606	0.638✓	-5.3	113	0.00
4	TMC	Vinyl Chloride	0.532	0.574	✓-7.9	113	0.00
5	TM	Bromomethane	0.417	0.468	-12.2	126	0.00
6	TM	Chloroethane	0.295	0.331	-12.2	114	0.01
7	TM	t-Butyl alcohol (TBA)	0.090	0.089#	1.1	89	0.02
8	TM	Trichlorofluoromethane	1.059	1.170	-10.5	115	0.00
9	TM	Diethyl ether	0.258	0.280	-8.5	107	0.01
10	TM	1,1,2-Trichlorotrifluoroeth	0.564	0.622	-10.3	112	0.02
11	T	Acrolein	0.000	0.000#	0.0	100	0.01
12	TM	Acetone	0.234	0.234	0.0	97	0.01
13	TMC	1,1-Dichloroethene	0.478	0.526	✓-10.0	113	0.02
14	TM	Methyl iodide	0.736	0.918	-24.7#	128	0.01
15	TM	Di-isopropyl ether (DIPE)	1.925	2.000	-3.9	105	0.03
16	TM	Methylene Chloride	1.587	0.705 Lin 93%	~~-55.6#~~	96	0.02
17	TM	Carbon Disulfide	1.572	1.694	-7.8	111	0.02
18	T	Acrylonitrile	0.218	0.233	-6.9	98	0.02
19	TM	Methyl-tert-butyl ether (MT	1.584	1.666	-5.2	104	0.03
20	TM	trans-1,2-Dichloroethene	0.577	0.632	-9.5	115	0.01
21	TMP	1,1-Dichloroethane	1.081	1.143✓	-5.7	109	0.02
22	TM	Vinyl acetate	0.084	0.094#	-11.9	107	0.02
23	TM	Methyl ethyl ketone	0.064	0.069#	-7.8	96	0.03
24	TM	Ethyl t-butyl ether (ETBE)	1.969	2.116	-7.5	107	0.03
25	TM	2,2-Dichloropropane	0.866	0.976	-12.7	116	0.04
26	TM	cis-1,2-Dichloroethene	0.632	0.677	-7.1	109	0.02
27	TM	t-Amyl methyl ether (TAME)	1.528	1.602	-4.8	104	0.02
28	S	DB HOLDER #28	0.855	0.878	-2.7	101	0.03
29	TMC	Chloroform	1.088	1.175	✓-8.0	111	0.03
30	TM	Bromochloromethane	0.312	0.337	-8.0	103	0.03
31	TM	Tetrahydrofuran	0.071	0.074#	-4.2	100	0.02
32	TM	1,1,1-Trichloroethane	0.902	0.980	-8.6	111	0.03
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.771	0.839	-8.8	113	0.03
35	TM	Carbon Tetrachloride	0.727	0.802	-10.3	113	0.02
36	S	d4-1,2-Dichloroethane	0.855	0.878	-2.7	101	0.03
37	TM	1,2-Dichloroethane	1.005	1.063	-5.8	105	0.02
38	TM	Benzene	1.915	1.981	-3.4	106	0.03
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓100	0.03
40	TM	Trichloroethene	0.329	0.352	-7.0	109	0.02
41	TMC	1,2-Dichloropropane	0.300	0.309	✓-3.0	107	0.03

(#) = Out of Range

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D Vial: 4
Acq On : 28 Sep 2010 8:52 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.204	0.221	-8.3	104	0.03
43	TM	Methyl acetate	0.307	0.299	2.6	100	0.01
44	TM	Cyclohexane	0.469	0.499	-6.4	110	0.03
45	TM	Bromodichloromethane	0.452	0.484	-7.1	108	0.03
46	TM	Dibromomethane	0.266	0.286	-7.5	107	0.02
47	TM	1,4-Dioxane	0.004	0.004#	0.0	87	0.02
48	TM	Methylcyclohexane	0.439	0.487	-10.9	114	0.03
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	101	0.02
51	TM	2-Hexanone	0.134	0.143	-6.7	99	0.03
52	TM	Methyl isobutyl ketone	0.136	0.143	-5.1	98	0.02
53	TM	cis-1,3-Dichloropropene	0.477	0.504	-5.7	108	0.03
54	S	d8-Toluene	1.075	1.083	-0.7	100	0.03
55	TMC	Toluene	0.661	0.692	✓-4.7	109	0.03
56	TM	trans-1,3-Dichloropropene	0.468	0.509	-8.8	108	0.03
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.227	0.241	-6.2	104	0.02
59	TM	1,3-Dichloropropane	0.436	0.459	-5.3	104	0.03
60	TM	Tetrachloroethene	0.285	0.304	-6.7	110	0.03
61	TM	Dibromochloromethane	0.340	0.364	-7.1	105	0.03
62	TM	1,2-Dibromoethane	0.341	0.362	-6.2	104	0.03
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓99	0.02
64	TMP	Chlorobenzene	0.916	0.979✓	-6.9	109	0.03
65	TM	1,1,1,2-Tetrachloroethane	0.320	0.337	-5.3	108	0.03
66	TMC	Ethylbenzene	1.465	1.583	✓-8.1	110	0.02
67	TM	m,p-Xylene	0.550	0.587	-6.7	111	0.03
68	TM	o-Xylene	0.538	0.573	-6.5	107	0.02
69	TM	Styrene	0.945	1.020	-7.9	109	0.03
70	TMP	Bromoform	0.239	0.260✓	-8.8	105	0.03
71	TM	Isopropylbenzene	1.396	1.522	-9.0	112	0.03
72	TMP	1,1,2,2-Tetrachloroethane	0.427	0.448✓	-4.9	102	0.03
73	S	Bromofluorobenzene	0.511	0.515	-0.8	101	0.02
74	TM	1,2,3-Trichloropropane	0.329	0.327	0.6	98	0.03
75	TM	trans-1,4-Dichloro-2-butene	0.069	0.078#	-13.0	101	0.03
76	TM	n-Propylbenzene	1.719	1.854	-7.9	110	0.03
77	TM	Bromobenzene	0.342	0.358	-4.7	106	0.02
78	TM	1,3,5-Trimethylbenzene	1.149	1.249	-8.7	112	0.02
79	TM	2-Chlorotoluene	1.152	1.220	-5.9	110	0.03
80	TM	4-Chlorotoluene	1.067	1.159	-8.6	110	0.02
81	TM	tert-butylbenzene	0.966	1.046	-8.3	107	0.02
82	TM	1,2,4-Trimethylbenzene	1.216	1.307	-7.5	110	0.03

(#) = Out of Range

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D
Acq On : 28 Sep 2010 8:52 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 4
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/28/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.184	0.200	-8.7	110	0.02
84	TM	sec-butylbenzene	1.495	1.676	-12.1	116	0.03
85	TM	p-isopropyltoluene	1.176	1.294	-10.0	112	0.03
86	TM	1,3-Dichlorobenzene	0.600	0.644	-7.3	109	0.03
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓98	0.03
88	TM	1,4-Dichlorobenzene	1.422	1.527	-7.4	112	0.03
89	TM	n-butylbenzene	2.752	3.193	-16.0	116	0.03
90	TM	1,2-Dichlorobenzene	1.301	1.402	-7.8	107	0.03
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.190	0.214	-12.6	103	0.03
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.915	1.029	-12.5	113	0.02
95	TM	Hexachlorobutadiene	0.384	0.444	-15.6	115	0.03
96	TM	Naphthalene	1.510	1.507	0.2	91	0.02
97	TM	1,2,3-Trichlorobenzene	0.810	0.886	-9.4	108	0.03
98	TM	1,3,5-Trichlorobenzene	1.002	1.152	-15.0	115	0.03

9/29/10

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	I44015SC.D
0=LINEAR	Date Acquired	9/28/2010 8:52
3=QUADRATIC	Sample Name	20 PPB

MT 9/29/10

METHOD: C:\HPCHEM\1\METHODS\VS09270I.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	20.64	20	3.2%	NA	OK
1	Chloromethane	21.04	20	5.2%	NA	OK
1	Vinyl Chloride	21.56	20	7.8%	NA	OK
1	Bromomethane	22.42	20	12.1%	NA	OK
1	Chloroethane	22.41	20	12.1%	NA	OK
1	t-Butyl alcohol (TBA)	99.52	100	0.5%	NA	OK
1	Trichlorofluoromethane	22.11	20	10.5%	NA	OK
1	Diethyl ether	21.66	20	8.3%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	22.05	20	10.2%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	*
1	Acetone	100.34	100	0.3%	NA	OK
1	1,1-Dichloroethene	21.99	20	9.9%	NA	OK
1	Methyl iodide	24.95	20	24.7%	NA	*
1	Di-isopropyl ether (DIPE)	20.78	20	3.9%	NA	OK
0	Methylene Chloride	18.57	20	7.1%		OK
1	Carbon Disulfide	21.54	20	7.7%	NA	OK
1	Acrylonitrile	21.31	20	6.5%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	21.03	20	5.2%	NA	OK
1	trans-1,2-Dichloroethene	21.91	20	9.6%	NA	OK
1	1,1-Dichloroethane	21.15	20	5.7%	NA	OK
1	Vinyl acetate	22.56	20	12.8%	NA	OK
1	Methyl ethyl ketone	106.23	100	6.2%	NA	OK
1	Ethyl t-butyl ether (ETBE)	21.49	20	7.4%	NA	OK
1	2,2-Dichloropropane	22.53	20	12.6%	NA	OK
1	cis-1,2-Dichloroethene	21.42	20	7.1%	NA	OK
1	t-Amyl methyl ether (TAME)	20.98	20	4.9%	NA	OK
1	Chloroform	21.58	20	7.9%	NA	OK
1	Bromochloromethane	21.56	20	7.8%	NA	OK
1	Tetrahydrofuran	21.12	20	5.6%	NA	OK
1	1,1,1-Trichloroethane	21.73	20	8.6%	NA	OK
1	~~NO COMPOUND~~	0.00	1000	100.0%	NA	
1	1,1-Dichloropropene	21.75	20	8.7%	NA	OK
1	Carbon Tetrachloride	22.08	20	10.4%	NA	OK
1	d4-1,2-Dichloroethane	20.54	20	2.7%	NA	OK
1	1,2-Dichloroethane	21.15	20	5.8%	NA	OK
1	Benzene	20.69	20	3.5%	NA	OK
1	Trichloroethene	21.36	20	6.8%	NA	OK
1	1,2-Dichloropropane	20.60	20	3.0%	NA	OK
1	Methylmethacrylate	21.65	20	8.3%	NA	OK
1	Methyl acetate	19.47	20	2.6%	NA	OK

5929W

MT 9/29/10

1	Cyclohexane	21.30	20	6.5%	NA	OK
1	Bromodichloromethane	21.41	20	7.0%	NA	OK
1	Dibromomethane	21.49	20	7.5%	NA	OK
1	1,4-Dioxane	469.92	500	6.0%	NA	OK
1	Methylcyclohexane	22.21	20	11.1%	NA	OK
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	* MT
1	2-Hexanone	106.83	100	6.8%	NA	OK
1	Methyl isobutyl ketone	105.19	100	5.2%	NA	OK
1	cis-1,3-Dichloropropene	21.15	20	5.7%	NA	OK
1	d8-Toluene	20.14	20	0.7%	NA	OK
1	Toluene	20.95	20	4.7%	NA	OK
1	trans-1,3-Dichloropropene	21.74	20	8.7%	NA	OK
1	1,1,2-Trichloroethane	21.28	20	6.4%	NA	OK
1	1,3-Dichloropropane	21.05	20	5.3%	NA	OK
1	Tetrachloroethene	21.30	20	6.5%	NA	OK
1	Dibromochloromethane	21.42	20	7.1%	NA	OK
1	1,2-Dibromoethane	21.21	20	6.1%	NA	OK
1	Chlorobenzene	21.38	20	6.9%	NA	OK
1	1,1,1,2-Tetrachloroethane	21.06	20	5.3%	NA	OK
1	Ethylbenzene	21.61	20	8.1%	NA	OK
1	m,p-Xylene	42.68	40	6.7%	NA	OK
1	o-Xylene	21.31	20	6.6%	NA	OK
1	Styrene	21.60	20	8.0%	NA	OK
1	Bromoform	21.75	20	8.7%	NA	OK
1	Isopropylbenzene	21.81	20	9.0%	NA	OK
1	1,1,2,2-Tetrachloroethane	21.00	20	5.0%	NA	OK
1	Bromofluorobenzene	20.15	20	0.8%	NA	OK
1	1,2,3-Trichloropropane	19.83	20	0.8%	NA	OK
1	trans-1,4-Dichloro-2-butene	22.63	20	13.1%	NA	OK
1	n-Propylbenzene	21.58	20	7.9%	NA	OK
1	Bromobenzene	20.91	20	4.6%	NA	OK
1	1,3,5-Trimethylbenzene	21.73	20	8.6%	NA	OK
1	2-Chlorotoluene	21.17	20	5.9%	NA	OK
1	4-Chlorotoluene	21.72	20	8.6%	NA	OK
1	tert-butylbenzene	21.67	20	8.4%	NA	OK
1	1,2,4-Trimethylbenzene	21.51	20	7.5%	NA	OK
1	Pentachloroethane	21.78	20	8.9%	NA	OK
1	sec-butylbenzene	22.42	20	12.1%	NA	OK
1	p-isopropyltoluene	22.00	20	10.0%	NA	OK
1	1,3-Dichlorobenzene	21.48	20	7.4%	NA	OK
1	1,4-Dichlorobenzene	21.48	20	7.4%	NA	OK
1	n-butylbenzene	23.20	20	16.0%	NA	OK
1	1,2-Dichlorobenzene	21.55	20	7.7%	NA	OK
1	1,2-Dibromo-3-chloropropane	22.46	20	12.3%	NA	OK
1	1,2,4-Trichlorobenzene	22.49	20	12.4%	NA	OK
1	Hexachlorobutadiene	23.13	20	15.7%	NA	OK
3	Naphthalene	18.08	20	9.6%		OK
1	1,2,3-Trichlorobenzene	21.87	20	9.4%	NA	OK
1	1,3,5-Trichlorobenzene	22.99	20	15.0%	NA	OK

9/29/10

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D
Acq On : 28 Sep 2010 8:52 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010

Vial: 4
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	114699	20.00 ug/L	0.03
39) 1,4-Difluorobenzene	7.96	114	214572 ✓	20.00 ug/L	0.03
63) *d5-Chlorobenzene	12.59	117	183336	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.41	152	78599	20.00 ug/L	0.03

System Monitoring Compounds					
28) DB HOLDER #28	7.33	65	100673	20.54 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.70% ✓		
36) d4-1,2-Dichloroethane	7.33	65	100673	20.54 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.70% ✓		
54) d8-Toluene	10.26	98	232288	20.14 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.70% ✓		
73) Bromofluorobenzene	14.52	95	94360	20.15 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.75% ✓		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	83019	20.64 ug/L	100
3) Chloromethane	1.67	50	73154	21.04 ug/L	100
4) Vinyl Chloride	1.77	62	65852	21.56 ug/L	97
5) Bromomethane	2.16	94	53642	22.42 ug/L	100
6) Chloroethane	2.24	64	37930	22.41 ug/L	88
7) t-Butyl alcohol (TBA)	3.31	59	51165	99.52 ug/L	99
8) Trichlorofluoromethane	2.49	101	134226	22.11 ug/L	98
9) Diethyl ether	2.81	74	32101	21.66 ug/L	97
10) 1,1,2-Trichlorotrifluoroet	2.97	101	71355	22.05 ug/L	99
12) Acetone	3.04	43	134382	100.34 ug/L	98
13) 1,1-Dichloroethene	3.19	96	60320	21.99 ug/L	96
14) Methyl iodide	3.57	142	105339	24.95 ug/L	99
15) Di-isopropyl ether (DIPE)	4.86	45	229384	20.78 ug/L	96
16) Methylene Chloride	3.85	84	80910	18.57 ug/L	97
17) Carbon Disulfide	3.82	76	194264	21.54 ug/L	100
18) Acrylonitrile	4.06	53	26687	21.31 ug/L	99
19) Methyl-tert-butyl ether (M	4.10	73	191084	21.03 ug/L	98
20) trans-1,2-Dichloroethene	4.30	96	72457	21.91 ug/L	98
21) 1,1-Dichloroethane	4.99	63	131115	21.15 ug/L	99
22) Vinyl acetate	5.05	86	10810	22.56 ug/L	80
23) Methyl ethyl ketone	5.70	72	39285	106.23 ug/L	91
24) Ethyl t-butyl ether (ETBE)	5.52	59	242655	21.49 ug/L	99
25) 2,2-Dichloropropane	5.89	77	111934	22.53 ug/L	99
26) cis-1,2-Dichloroethene	5.96	96	77623	21.42 ug/L	98
27) t-Amyl methyl ether (TAME)	7.28	73	183792	20.98 ug/L	97
29) Chloroform	6.20	83	134727	21.58 ug/L	97
30) Bromochloromethane	6.45	128	38602	21.56 ug/L #	90

(#) = qualifier out of range (m) = manual integration

092910

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D Vial: 4
Acq On : 28 Sep 2010 8:52 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.51	71	8541	21.12 ug/L	94
32)	1,1,1-Trichloroethane	6.81	97	112425	21.73 ug/L	97
34)	1,1-Dichloropropene	7.06	75	96222	21.75 ug/L	96
35)	Carbon Tetrachloride	7.19	119	92031	22.08 ug/L	98
37)	1,2-Dichloroethane	7.46	62	121938	21.15 ug/L	99
38)	Benzene	7.46	78	227194	20.69 ug/L	100
40)	Trichloroethene	8.41	95	75426	21.36 ug/L	97
41)	1,2-Dichloropropane	8.70	63	66397	20.60 ug/L	98
42)	Methylmethacrylate	8.86	69	47340	21.65 ug/L	98
43)	Methyl acetate	3.65	43	64108	19.47 ug/L	98
44)	Cyclohexane	6.80	56	107131	21.30 ug/L	98
45)	Bromodichloromethane	9.05	83	103911	21.41 ug/L	98
46)	Dibromomethane	9.11	93	61374	21.49 ug/L	99
47)	1,4-Dioxane	9.11	88	20911	469.92 ug/L	92
48)	Methylcyclohexane	8.49	83	104526	22.21 ug/L	98
51)	2-Hexanone	10.99	58	153699	106.83 ug/L	94
52)	Methyl isobutyl ketone	9.63	58	153091	105.19 ug/L	98
53)	cis-1,3-Dichloropropene	9.92	75	108130	21.15 ug/L	97
55)	Toluene	10.38	92	148555	20.95 ug/L	97
56)	trans-1,3-Dichloropropene	10.71	75	109144	21.74 ug/L	100
58)	1,1,2-Trichloroethane	10.92	83	51781	21.28 ug/L	96
59)	1,3-Dichloropropane	11.33	76	98485	21.05 ug/L	100
60)	Tetrachloroethene	11.38	166	65229	21.30 ug/L	96
61)	Dibromochloromethane	11.68	129	78088	21.42 ug/L	96
62)	1,2-Dibromoethane	11.99	107	77647	21.21 ug/L	98
64)	Chlorobenzene	12.65	112	179508	21.38 ug/L	100
65)	1,1,1,2-Tetrachloroethane	12.74	131	61724	21.06 ug/L	93
66)	Ethylbenzene	12.75	91	290228	21.61 ug/L	100
67)	m,p-Xylene	12.88	106	215205	42.68 ug/L	96
68)	o-Xylene	13.55	106	105014	21.31 ug/L	93
69)	Styrene	13.62	104	187073	21.60 ug/L	99
70)	Bromoform	14.11	173	47634	21.75 ug/L	95
71)	Isopropylbenzene	14.14	105	278983	21.81 ug/L	99
72)	1,1,2,2-Tetrachloroethane	14.43	83	82156	21.00 ug/L	98
74)	1,2,3-Trichloropropane	14.66	75	59884	19.83 ug/L	98
75)	trans-1,4-Dichloro-2-buten	14.80	88	14303	22.63 ug/L	82
76)	n-Propylbenzene	14.78	91	339962	21.58 ug/L	97
77)	Bromobenzene	14.79	156	65584	20.91 ug/L	99
78)	1,3,5-Trimethylbenzene	15.04	105	228916	21.73 ug/L	100
79)	2-Chlorotoluene	15.03	91	223613	21.17 ug/L	98
80)	4-Chlorotoluene	15.11	91	212504	21.72 ug/L	99
81)	tert-butylbenzene	15.60	119	191857	21.67 ug/L	99

(#) = qualifier out of range (m) = manual integration

S92910

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D
Acq On : 28 Sep 2010 8:52 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010

Vial: 4
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

Reprinted 10/4/10

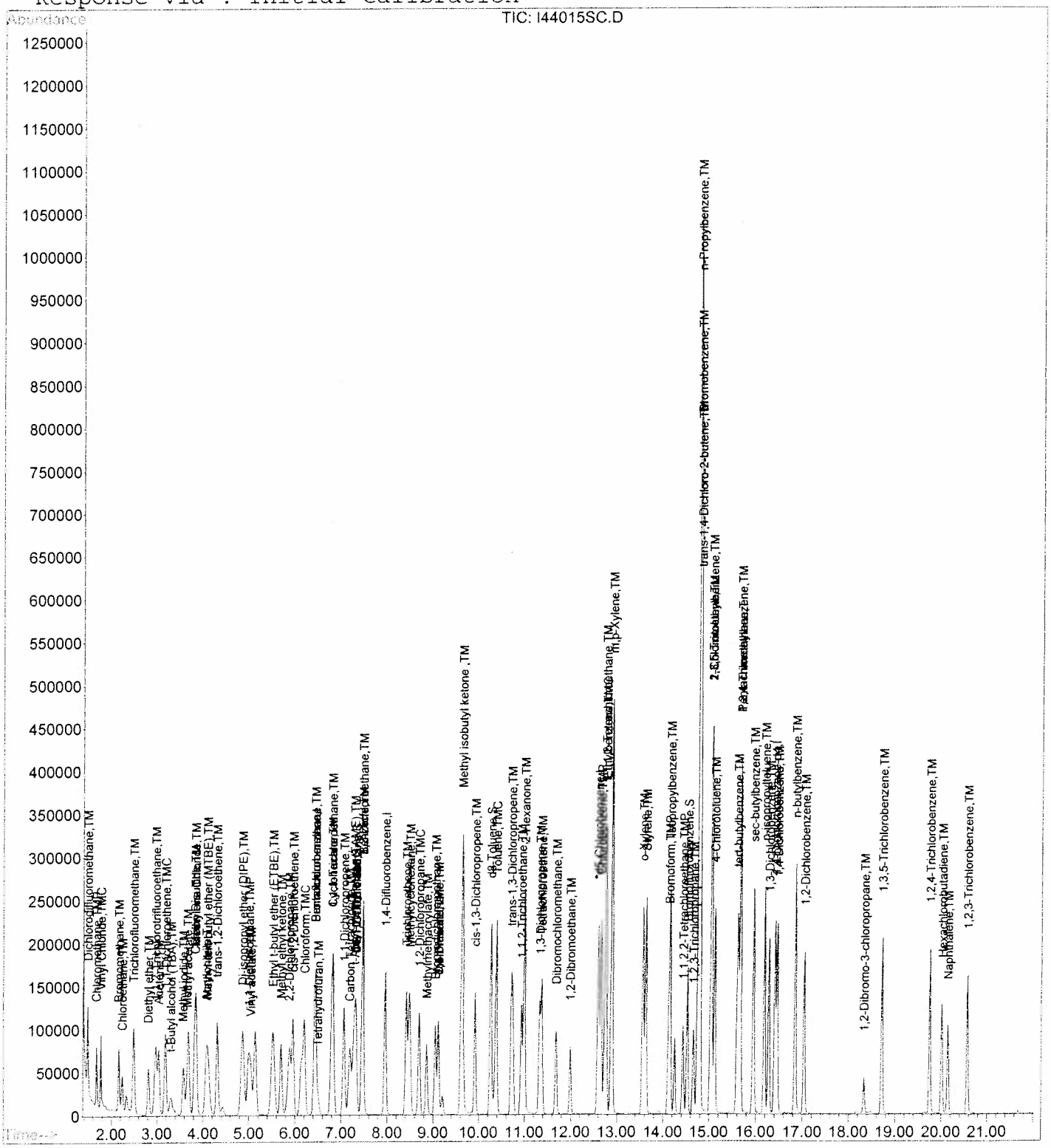
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82) 1,2,4-Trimethylbenzene	15.66	105	239697	21.51 ug/L	100
83) Pentachloroethane	15.66	167	36750	21.78 ug/L	99
84) sec-butylbenzene	15.95	105	307264	22.42 ug/L	99
85) p-isopropyltoluene	16.18	119	237250	22.00 ug/L	97
86) 1,3-Dichlorobenzene	16.28	146	118139	21.48 ug/L	95
88) 1,4-Dichlorobenzene	16.46	146	120029	21.48 ug/L	98
89) n-butylbenzene	16.84	91	250946	23.20 ug/L	98
90) 1,2-Dichlorobenzene	17.04	146	110197	21.55 ug/L	98
92) 1,2-Dibromo-3-chloropropan	18.33	75	16801	22.46 ug/L	96
94) 1,2,4-Trichlorobenzene	19.75	180	80849	22.49 ug/L	98
95) Hexachlorobutadiene	20.02	225	34902	23.13 ug/L	94
96) Naphthalene	20.14	128	118450	18.08 ug/L	98
97) 1,2,3-Trichlorobenzene	20.57	180	69640	21.87 ug/L	98
98) 1,3,5-Trichlorobenzene	18.72	180	90539	22.99 ug/L	97

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D Vial: 4
Acq On : 28 Sep 2010 8:52 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

permitted 10/4/10



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44038SC.D Vial: 27
Acq On : 28 Sep 2010 7:54 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil MT 9/29/10
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration & RR

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓98	0.03
2	TM	Dichlorodifluoromethane	0.701	0.701	0.0	103	0.00
3	TMP	Chloromethane	0.606	0.593✓	2.1	104	0.00
4	TMC	Vinyl Chloride	0.532	0.557	✓-4.7	108	0.00
5	TM	Bromomethane	0.417	0.433	-3.8	115	0.00
6	TM	Chloroethane	0.295	0.315	-6.8	108	0.02
7	TM	t-Butyl alcohol (TBA)	0.090	0.114	MT -26.7#	113	0.04
8	TM	Trichlorofluoromethane	1.059	1.094	-3.3	106	0.00
9	TM	Diethyl ether	0.258	0.273	-5.8	103	0.03
10	TM	1,1,2-Trichlorotrifluoroeth	0.564	0.575	-2.0	102	0.04
11	T	Acrolein	0.000	0.000#	0.0	95	0.03
12	TM	Acetone	0.234	0.260	-11.1	106	0.03
13	TMC	1,1-Dichloroethene	0.478	0.490	✓-2.5	104	0.03
14	TM	Methyl iodide	0.736	0.766	-4.1	105	0.03
15	TM	Di-isopropyl ether (DIPE)	1.925	1.996	-3.7	103	0.04
16	TM	Methylene Chloride	1.587	0.676 Lin 88%	~~-57.4#~~	91	0.04
17	TM	Carbon Disulfide	1.572	1.507	4.1	98	0.03
18	T	Acrylonitrile	0.218	0.248	-13.8	104	0.03
19	TM	Methyl-tert-butyl ether (MT	1.584	1.733	-9.4	107	0.03
20	TM	trans-1,2-Dichloroethene	0.577	0.581	-0.7	105	0.02
21	TMP	1,1-Dichloroethane	1.081	1.101✓	-1.9	104	0.03
22	TM	Vinyl acetate	0.084	0.081#	3.6	91	0.03
23	TM	Methyl ethyl ketone	0.064	0.077#	-20.3#	107	0.03
24	TM	Ethyl t-butyl ether (ETBE)	1.969	2.099	-6.6	105	0.03
25	TM	2,2-Dichloropropane	0.866	0.899	-3.8	106	0.03
26	TM	cis-1,2-Dichloroethene	0.632	0.653	-3.3	105	0.03
27	TM	t-Amyl methyl ether (TAME)	1.528	1.656	-8.4	107	0.03
28	S	DB HOLDER #28	0.855	0.885	-3.5	101	0.03
29	TMC	Chloroform	1.088	1.141	✓-4.9	107	0.04
30	TM	Bromochloromethane	0.312	0.351	-12.5	106	0.03
31	TM	Tetrahydrofuran	0.071	0.085#	-19.7	113	0.02
32	TM	1,1,1-Trichloroethane	0.902	0.935	-3.7	105	0.03
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.771	0.799	-3.6	107	0.03
35	TM	Carbon Tetrachloride	0.727	0.770	-5.9	108	0.02
36	S	d4-1,2-Dichloroethane	0.855	0.885	-3.5	101	0.03
37	TM	1,2-Dichloroethane	1.005	1.087	-8.2	107	0.02
38	TM	Benzene	1.915	1.945	-1.6	103	0.03
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓98	0.03
40	TM	Trichloroethene	0.329	0.342	-4.0	104	0.03
41	TMC	1,2-Dichloropropane	0.300	0.314	✓-4.7	107	0.04

(#) = Out of Range S92940

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44038SC.D Vial: 27
Acq On : 28 Sep 2010 7:54 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.204	0.243	-19.1	112	0.03
43	TM	Methyl acetate	0.307	0.331	-7.8	108	0.02
44	TM	Cyclohexane	0.469	0.483	-3.0	104	0.04
45	TM	Bromodichloromethane	0.452	0.474	-4.9	104	0.03
46	TM	Dibromomethane	0.266	0.288	-8.3	105	0.03
47	TM	1,4-Dioxane	0.004	0.005#	M -25.0#	111	0.02
48	TM	Methylcyclohexane	0.439	0.461	-5.0	105	0.03
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	109	0.02
51	TM	2-Hexanone	0.134	0.165	-23.1#	112	0.02
52	TM	Methyl isobutyl ketone	0.136	0.164	-20.6#	110	0.02
53	TM	cis-1,3-Dichloropropene	0.477	0.509	-6.7	107	0.03
54	S	d8-Toluene	1.075	1.103	-2.6	100	0.03
55	TMC	Toluene	0.661	0.678	✓-2.6	105	0.03
56	TM	trans-1,3-Dichloropropene	0.468	0.521	-11.3	109	0.03
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.227	0.253	-11.5	106	0.02
59	TM	1,3-Dichloropropane	0.436	0.480	-10.1	107	0.03
60	TM	Tetrachloroethene	0.285	0.325	-14.0	115	0.02
61	TM	Dibromochloromethane	0.340	0.383	-12.6	108	0.03
62	TM	1,2-Dibromoethane	0.341	0.384	-12.6	108	0.03
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓99	0.02
64	TMP	Chlorobenzene	0.916	0.970✓	-5.9	109	0.03
65	TM	1,1,1,2-Tetrachloroethane	0.320	0.333	-4.1	107	0.03
66	TMC	Ethylbenzene	1.465	1.520	✓-3.8	106	0.02
67	TM	m,p-Xylene	0.550	0.560	-1.8	106	0.02
68	TM	o-Xylene	0.538	0.558	-3.7	104	0.02
69	TM	Styrene	0.945	0.990	-4.8	106	0.03
70	TMP	Bromoform	0.239	0.266 ✓	-11.3	108	0.02
71	TM	Isopropylbenzene	1.396	1.464	-4.9	108	0.03
72	TMP	1,1,2,2-Tetrachloroethane	0.427	0.469✓	-9.8	107	0.03
73	S	Bromofluorobenzene	0.511	0.506	1.0	99	0.02
74	TM	1,2,3-Trichloropropane	0.329	0.365	-10.9	109	0.03
75	TM	trans-1,4-Dichloro-2-butene	0.069	0.082#	-18.8	107	0.02
76	TM	n-Propylbenzene	1.719	1.778	-3.4	105	0.02
77	TM	Bromobenzene	0.342	0.365	-6.7	108	0.02
78	TM	1,3,5-Trimethylbenzene	1.149	1.203	-4.7	108	0.02
79	TM	2-Chlorotoluene	1.152	1.170	-1.6	106	0.03
80	TM	4-Chlorotoluene	1.067	1.102	-3.3	105	0.02
81	TM	tert-butylbenzene	0.966	1.020	-5.6	105	0.02
82	TM	1,2,4-Trimethylbenzene	1.216	1.270	-4.4	107	0.02

(#) = Out of Range

9/29/10

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44038SC.D
Acq On : 28 Sep 2010 7:54 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p

Vial: 27
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.184	0.174	5.4	96	0.02
84	TM	sec-butylbenzene	1.495	1.591	-6.4	110	0.03
85	TM	p-isopropyltoluene	1.176	1.264	-7.5	110	0.03
86	TM	1,3-Dichlorobenzene	0.600	0.631	-5.2	107	0.02
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓100	0.02
88	TM	1,4-Dichlorobenzene	1.422	1.497	-5.3	111	0.03
89	TM	n-butylbenzene	2.752	2.923	-6.2	108	0.03
90	TM	1,2-Dichlorobenzene	1.301	1.394	-7.1	108	0.02
91	T	NO COMPOUND	0.000	0.000#	~~0.0~~	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.190	0.231	-21.6#	113	0.02
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.915	0.982	-7.3	110	0.02
95	TM	Hexachlorobutadiene	0.384	0.431	-12.2	113	0.02
96	TM	Naphthalene	1.510	2.09 ~~2~~ 1.23%	~~38.7#~~	129	0.02
97	TM	1,2,3-Trichlorobenzene	0.810	0.884	-9.1	110	0.03
98	TM	1,3,5-Trichlorobenzene	1.002	1.064	-6.2	108	0.03

J429W

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	I44038SC.D
0=LINEAR	Date Acquired	9/28/2010 7:54
3=QUADRATIC	Sample Name	20 PPB

MT 9/29/10

kRR

METHOD: C:\HPCHEM\1\METHODS\VS09270I.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	20.00	20	0.0%	NA	OK
1	Chloromethane	19.57	20	2.1%	NA	OK
1	Vinyl Chloride	20.91	20	4.6%	NA	OK
1	Bromomethane	20.74	20	3.7%	NA	OK
1	Chloroethane	21.38	20	6.9%	NA	OK
1	t-Butyl alcohol (TBA)	126.83	100	26.8%	NA	* MT
1	Trichlorofluoromethane	20.66	20	3.3%	NA	OK
1	Diethyl ether	21.15	20	5.7%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	20.37	20	1.9%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	* MT
1	Acetone	111.36	100	11.4%	NA	OK
1	1,1-Dichloroethene	20.47	20	2.4%	NA	OK
1	Methyl iodide	20.81	20	4.0%	NA	OK
1	Di-isopropyl ether (DIPE)	20.74	20	3.7%	NA	OK
0	Methylene Chloride	17.53	20	12.4%		OK
1	Carbon Disulfide	19.17	20	4.2%	NA	OK
1	Acrylonitrile	22.70	20	13.5%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	21.88	20	9.4%	NA	OK
1	trans-1,2-Dichloroethene	20.17	20	0.8%	NA	OK
1	1,1-Dichloroethane	20.37	20	1.9%	NA	OK
1	Vinyl acetate	19.47	20	2.6%	NA	OK
1	Methyl ethyl ketone	119.20	100	19.2%	NA	OK
1	Ethyl t-butyl ether (ETBE)	21.31	20	6.6%	NA	OK
1	2,2-Dichloropropane	20.76	20	3.8%	NA	OK
1	cis-1,2-Dichloroethene	20.66	20	3.3%	NA	OK
1	t-Amyl methyl ether (TAME)	21.69	20	8.4%	NA	OK
1	Chloroform	20.97	20	4.8%	NA	OK
1	Bromochloromethane	22.46	20	12.3%	NA	OK
1	Tetrahydrofuran	24.12	20	20.6%	NA	* MT
1	1,1,1-Trichloroethane	20.73	20	3.7%	NA	OK
1	~~NO COMPOUND~~	0.00	1000	100.0%	NA	*
1	1,1-Dichloropropene	20.72	20	3.6%	NA	OK
1	Carbon Tetrachloride	21.19	20	5.9%	NA	OK
1	d4-1,2-Dichloroethane	20.70	20	3.5%	NA	OK
1	1,2-Dichloroethane	21.62	20	8.1%	NA	OK
1	Benzene	20.32	20	1.6%	NA	OK
1	Trichloroethene	20.76	20	3.8%	NA	OK
1	1,2-Dichloropropane	20.92	20	4.6%	NA	OK
1	Methylmethacrylate	23.84	20	19.2%	NA	OK
1	Methyl acetate	21.57	20	7.9%	NA	OK

9/29/10

MT 9/29/10

1	Cyclohexane	20.62	20	3.1%	NA	OK
1	Bromodichloromethane	20.95	20	4.8%	NA	OK
1	Dibromomethane	21.64	20	8.2%	NA	OK
1	1,4-Dioxane	615.17	500	23.0%	NA	*
1	Methylcyclohexane	21.04	20	5.2%	NA	OK
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	*
1	2-Hexanone	123.41	100	23.4%	NA	*
1	Methyl isobutyl ketone	120.58	100	20.6%	NA	*
1	cis-1,3-Dichloropropene	21.34	20	6.7%	NA	OK
1	d8-Toluene	20.51	20	2.6%	NA	OK
1	Toluene	20.51	20	2.5%	NA	OK
1	trans-1,3-Dichloropropene	22.28	20	11.4%	NA	OK
1	1,1,2-Trichloroethane	22.27	20	11.4%	NA	OK
1	1,3-Dichloropropane	22.01	20	10.1%	NA	OK
1	Tetrachloroethene	22.74	20	13.7%	NA	OK
1	Dibromochloromethane	22.55	20	12.7%	NA	OK
1	1,2-Dibromoethane	22.51	20	12.5%	NA	OK
1	Chlorobenzene	21.19	20	6.0%	NA	OK
1	1,1,1,2-Tetrachloroethane	20.85	20	4.3%	NA	OK
1	Ethylbenzene	20.75	20	3.7%	NA	OK
1	m,p-Xylene	40.72	40	1.8%	NA	OK
1	o-Xylene	20.75	20	3.8%	NA	OK
1	Styrene	20.95	20	4.8%	NA	OK
1	Bromoform	22.25	20	11.2%	NA	OK
1	Isopropylbenzene	20.98	20	4.9%	NA	OK
1	1,1,2,2-Tetrachloroethane	21.99	20	9.9%	NA	OK
1	Bromofluorobenzene	19.80	20	1.0%	NA	OK
1	1,2,3-Trichloropropane	22.18	20	10.9%	NA	OK
1	trans-1,4-Dichloro-2-butene	23.80	20	19.0%	NA	OK
1	n-Propylbenzene	20.69	20	3.4%	NA	OK
1	Bromobenzene	21.33	20	6.6%	NA	OK
1	1,3,5-Trimethylbenzene	20.94	20	4.7%	NA	OK
1	2-Chlorotoluene	20.31	20	1.6%	NA	OK
1	4-Chlorotoluene	20.65	20	3.3%	NA	OK
1	tert-butylbenzene	21.12	20	5.6%	NA	OK
1	1,2,4-Trimethylbenzene	20.90	20	4.5%	NA	OK
1	Pentachloroethane	18.90	20	5.5%	NA	OK
1	sec-butylbenzene	21.29	20	6.5%	NA	OK
1	p-isopropyltoluene	21.48	20	7.4%	NA	OK
1	1,3-Dichlorobenzene	21.04	20	5.2%	NA	OK
1	1,4-Dichlorobenzene	21.06	20	5.3%	NA	OK
1	n-butylbenzene	21.24	20	6.2%	NA	OK
1	1,2-Dichlorobenzene	21.42	20	7.1%	NA	OK
1	1,2-Dibromo-3-chloropropane	24.27	20	21.3%	NA	*
1	1,2,4-Trichlorobenzene	21.46	20	7.3%	NA	OK
1	Hexachlorobutadiene	22.47	20	12.4%	NA	OK
3	Naphthalene	24.61	20	23.0%		*
1	1,2,3-Trichlorobenzene	21.81	20	9.1%	NA	OK
1	1,3,5-Trichlorobenzene	21.23	20	6.2%	NA	OK

5 5 3

9/29/10

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44038SC.D
Acq On : 28 Sep 2010 7:54 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 20:36 2010

Vial: 27
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

RR

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	113511	20.00 ug/L	0.03
39) 1,4-Difluorobenzene	7.95	114	210000 ✓	20.00 ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	183699	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.39	152	79984	20.00 ug/L	0.02

System Monitoring Compounds					
28) DB HOLDER #28	7.32	65	100428	20.70 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.50%		
36) d4-1,2-Dichloroethane	7.32	65	100428	20.70 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.50%		
54) d8-Toluene	10.25	98	231553	20.51 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.55%		
73) Bromofluorobenzene	14.51	95	92889	19.80 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.00%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	79606	20.00 ug/L	99
3) Chloromethane	1.68	50	67332	19.57 ug/L	98
4) Vinyl Chloride	1.77	62	63196	20.91 ug/L	99
5) Bromomethane	2.16	94	49102	20.74 ug/L	96
6) Chloroethane	2.24	64	35811	21.38 ug/L	92
7) t-Butyl alcohol (TBA)	3.32	59	64530	126.83 ug/L	99
8) Trichlorofluoromethane	2.49	101	124135	20.66 ug/L	98
9) Diethyl ether	2.82	74	31012	21.15 ug/L	95
10) 1,1,2-Trichlorotrifluoroet	2.98	101	65245	20.37 ug/L	99
12) Acetone	3.05	43	147605	111.36 ug/L	98
13) 1,1-Dichloroethene	3.19	96	55590	20.47 ug/L	93
14) Methyl iodide	3.58	142	86939	20.81 ug/L	98
15) Di-isopropyl ether (DIPE)	4.86	45	226535	20.74 ug/L	98
16) Methylene Chloride	3.86	84	76697	17.53 ug/L	96
17) Carbon Disulfide	3.82	76	171057	19.17 ug/L	100
18) Acrylonitrile	4.07	53	28132	22.70 ug/L	98
19) Methyl-tert-butyl ether (M	4.10	73	196733	21.88 ug/L	98
20) trans-1,2-Dichloroethene	4.30	96	66005	20.17 ug/L	99
21) 1,1-Dichloroethane	4.99	63	125001	20.37 ug/L	99
22) Vinyl acetate	5.05	86	9233	19.47 ug/L	95
23) Methyl ethyl ketone	5.69	72	43624	119.20 ug/L	92
24) Ethyl t-butyl ether (ETBE)	5.51	59	238203	21.31 ug/L	100
25) 2,2-Dichloropropane	5.87	77	102080	20.76 ug/L	98
26) cis-1,2-Dichloroethene	5.96	96	74107	20.66 ug/L	95
27) t-Amyl methyl ether (TAME)	7.28	73	188019	21.69 ug/L	98
29) Chloroform	6.20	83	129513	20.97 ug/L	94
30) Bromochloromethane	6.44	128	39786	22.46 ug/L #	89

(#) = qualifier out of range (m) = manual integration

9/29/10

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44038SC.D
Acq On : 28 Sep 2010 7:54 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 20:36 2010

Vial: 27
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/28/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	6.50	71	9652	24.12 ug/L	91
32) 1,1,1-Trichloroethane	6.81	97	106166	20.73 ug/L	96
34) 1,1-Dichloropropene	7.05	75	90745	20.72 ug/L	97
35) Carbon Tetrachloride	7.18	119	87416	21.19 ug/L	99
37) 1,2-Dichloroethane	7.46	62	123362	21.62 ug/L	98
38) Benzene	7.46	78	220793	20.32 ug/L	98
40) Trichloroethene	8.41	95	71720	20.76 ug/L	93
41) 1,2-Dichloropropane	8.70	63	65977	20.92 ug/L	99
42) Methylmethacrylate	8.85	69	50999	23.84 ug/L	97
43) Methyl acetate	3.65	43	69497	21.57 ug/L	96
44) Cyclohexane	6.81	56	101473	20.62 ug/L	98
45) Bromodichloromethane	9.04	83	99531	20.95 ug/L	98
46) Dibromomethane	9.11	93	60476	21.64 ug/L	95
47) 1,4-Dioxane	9.10	88	26791	615.17 ug/L	91
48) Methylcyclohexane	8.48	83	96877	21.04 ug/L	99
51) 2-Hexanone	10.97	58	173771	123.41 ug/L	94
52) Methyl isobutyl ketone	9.62	58	171748	120.58 ug/L	96
53) cis-1,3-Dichloropropene	9.91	75	106806	21.34 ug/L	96
55) Toluene	10.37	92	142348	20.51 ug/L	96
56) trans-1,3-Dichloropropene	10.70	75	109468	22.28 ug/L	99
58) 1,1,2-Trichloroethane	10.91	83	53036	22.27 ug/L	96
59) 1,3-Dichloropropane	11.32	76	100763	22.01 ug/L	95
60) Tetrachloroethene	11.36	166	68173	22.74 ug/L	95
61) Dibromochloromethane	11.67	129	80431	22.55 ug/L	92
62) 1,2-Dibromoethane	11.98	107	80623	22.51 ug/L	99
64) Chlorobenzene	12.64	112	178232	21.19 ug/L	99
65) 1,1,1,2-Tetrachloroethane	12.73	131	61228	20.85 ug/L	93
66) Ethylbenzene	12.75	91	279137	20.75 ug/L	100
67) m,p-Xylene	12.86	106	205703	40.72 ug/L	97
68) o-Xylene	13.54	106	102449	20.75 ug/L	93
69) Styrene	13.61	104	181865	20.95 ug/L	100
70) Bromoform	14.10	173	48824	22.25 ug/L	99
71) Isopropylbenzene	14.14	105	268984	20.98 ug/L	99
72) 1,1,2,2-Tetrachloroethane	14.42	83	86196	21.99 ug/L	99
74) 1,2,3-Trichloropropane	14.65	75	67112	22.18 ug/L	99
75) trans-1,4-Dichloro-2-buten	14.79	88	15075	23.80 ug/L	87
76) n-Propylbenzene	14.77	91	326549	20.69 ug/L	96
77) Bromobenzene	14.79	156	67015	21.33 ug/L	97
78) 1,3,5-Trimethylbenzene	15.03	105	221026	20.94 ug/L	99
79) 2-Chlorotoluene	15.02	91	214978	20.31 ug/L	97
80) 4-Chlorotoluene	15.10	91	202498	20.65 ug/L	96
81) tert-butylbenzene	15.59	119	187357	21.12 ug/L	98

(#) = qualifier out of range (m) = manual integration

9/29/10

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44038SC.D Vial: 27
Acq On : 28 Sep 2010 7:54 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 20:36 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.64	105	233382	20.90 ug/L	98
83)	Pentachloroethane	15.65	167	31943	18.90 ug/L	97
84)	sec-butylbenzene	15.94	105	292335	21.29 ug/L	98
85)	p-isopropyltoluene	16.18	119	232149	21.48 ug/L	97
86)	1,3-Dichlorobenzene	16.26	146	115929	21.04 ug/L	98
88)	1,4-Dichlorobenzene	16.45	146	119765	21.06 ug/L	98
89)	n-butylbenzene	16.84	91	233769	21.24 ug/L	95
90)	1,2-Dichlorobenzene	17.02	146	111477	21.42 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.31	75	18471	24.27 ug/L	96
94)	1,2,4-Trichlorobenzene	19.74	180	78515	21.46 ug/L	98
95)	Hexachlorobutadiene	20.00	225	34503	22.47 ug/L	99
96)	Naphthalene	20.14	128	167560	24.61 ug/L	98
97)	1,2,3-Trichlorobenzene	20.56	180	70667	21.81 ug/L	95
98)	1,3,5-Trichlorobenzene	18.71	180	85077	21.23 ug/L	99

JS 29/10

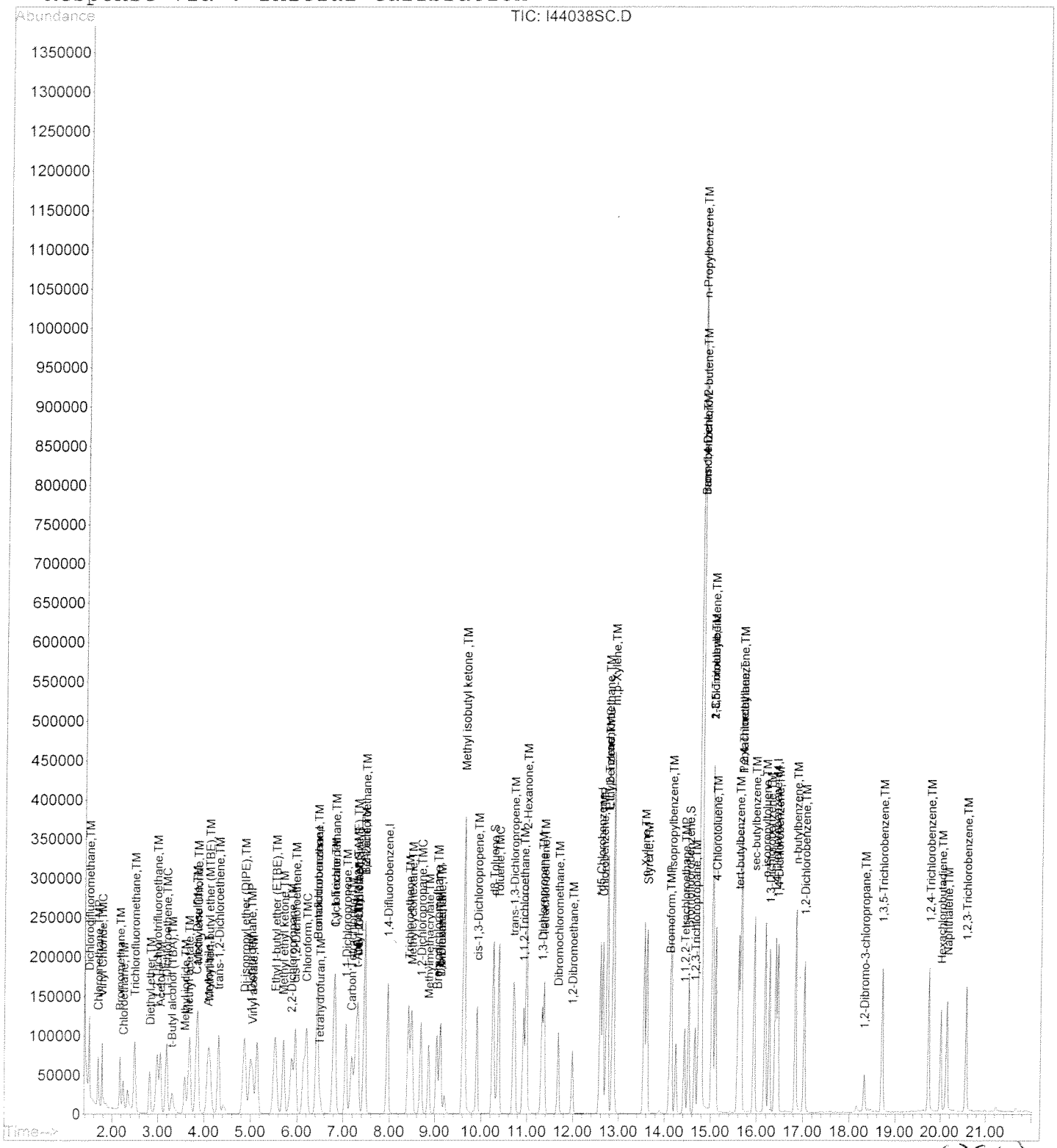
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44038SC.D Vial: 27
Acq On : 28 Sep 2010 7:54 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 20:36 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



9/29/10

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44039SC.D Vial: 28
Acq On : 28 Sep 2010 8:22 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓99	0.03
2	TM	Dichlorodifluoromethane	0.701	0.723	-3.1	107	0.00
3	TMP	Chloromethane	0.606	0.614✓	-1.3	109	0.00
4	TMC	Vinyl Chloride	0.532	0.579	✓-8.8	113	0.00
5	TM	Bromomethane	0.417	0.438	-5.0	117	0.00
6	TM	Chloroethane	0.295	0.322	-9.2	111	0.02
7	TM	t-Butyl alcohol (TBA)	0.090	0.096#	-6.7	95	0.03
8	TM	Trichlorofluoromethane	1.059	1.128	-6.5	110	0.00
9	TM	Diethyl ether	0.258	0.263	-1.9	100	0.03
10	TM	1,1,2-Trichlorotrifluoroeth	0.564	0.588	-4.3	105	0.04
11	T	Acrolein	0.000	0.000#	0.0	88	0.03
12	TM	Acetone	0.234	0.229	2.1	94	0.03
13	TMC	1,1-Dichloroethene	0.478	0.492	✓-2.9	105	0.03
14	TM	Methyl iodide	0.736	0.863	-17.3	119	0.02
15	TM	Di-isopropyl ether (DIPE)	1.925	1.978	-2.8	103	0.04
16	TM	Methylene Chloride	1.587	0.674 Lin 87% ~~57.5#~~		91	0.03
17	TM	Carbon Disulfide	1.572	1.575	-0.2	103	0.03
18	T	Acrylonitrile	0.218	0.226	-3.7	95	0.03
19	TM	Methyl-tert-butyl ether (MT	1.584	1.684	-6.3	105	0.04
20	TM	trans-1,2-Dichloroethene	0.577	0.597	-3.5	108	0.02
21	TMP	1,1-Dichloroethane	1.081	1.109✓	-2.6	105	0.03
22	TM	Vinyl acetate	0.084	0.084#	0.0	95	0.02
23	TM	Methyl ethyl ketone	0.064	0.068#	-6.3	95	0.03
24	TM	Ethyl t-butyl ether (ETBE)	1.969	2.104	-6.9	106	0.03
25	TM	2,2-Dichloropropane	0.866	0.903	-4.3	107	0.04
26	TM	cis-1,2-Dichloroethene	0.632	0.668	-5.7	108	0.03
27	TM	t-Amyl methyl ether (TAME)	1.528	1.615	-5.7	105	0.03
28	S	DB HOLDER #28	0.855	0.870	-1.8	99	0.03
29	TMC	Chloroform	1.088	1.126	✓-3.5	106	0.03
30	TM	Bromochloromethane	0.312	0.338	-8.3	103	0.04
31	TM	Tetrahydrofuran	0.071	0.077#	-8.5	102	0.02
32	TM	1,1,1-Trichloroethane	0.902	0.953	-5.7	107	0.03
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.771	0.816	-5.8	110	0.03
35	TM	Carbon Tetrachloride	0.727	0.781	-7.4	110	0.02
36	S	d4-1,2-Dichloroethane	0.855	0.870	-1.8	99	0.03
37	TM	1,2-Dichloroethane	1.005	1.055	-5.0	104	0.03
38	TM	Benzene	1.915	1.938	-1.2	103	0.03
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓100	0.03
40	TM	Trichloroethene	0.329	0.343	-4.3	107	0.03
41	TMC	1,2-Dichloropropane	0.300	0.302	✓-0.7	105	0.03

(#) = Out of Range

S9290

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44039SC.D Vial: 28
Acq On : 28 Sep 2010 8:22 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil MT 9/29/10
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.204	0.224	-9.8	106	0.03
43	TM	Methyl acetate	0.307	0.306	0.3	102	0.02
44	TM	Cyclohexane	0.469	0.487	-3.8	107	0.03
45	TM	Bromodichloromethane	0.452	0.461	-2.0	103	0.03
46	TM	Dibromomethane	0.266	0.280	-5.3	105	0.03
47	TM	1,4-Dioxane	0.004	0.004#	0.0	99	0.02
48	TM	Methylcyclohexane	0.439	0.453	-3.2	106	0.03
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	103	0.02
51	TM	2-Hexanone	0.134	0.143	-6.7	98	0.03
52	TM	Methyl isobutyl ketone	0.136	0.144	-5.9	99	0.02
53	TM	cis-1,3-Dichloropropene	0.477	0.491	-2.9	106	0.03
54	S	d8-Toluene	1.075	1.075	0.0	100	0.03
55	TMC	Toluene	0.661	0.680	✓-2.9	107	0.03
56	TM	trans-1,3-Dichloropropene	0.468	0.499	-6.6	106	0.03
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.227	0.239	-5.3	103	0.02
59	TM	1,3-Dichloropropane	0.436	0.453	-3.9	103	0.03
60	TM	Tetrachloroethene	0.285	0.314	-10.2	113	0.03
61	TM	Dibromochloromethane	0.340	0.369	-8.5	107	0.03
62	TM	1,2-Dibromoethane	0.341	0.363	-6.5	104	0.03
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓100	0.02
64	TMP	Chlorobenzene	0.916	0.974✓	-6.3	110	0.03
65	TM	1,1,1,2-Tetrachloroethane	0.320	0.342	-6.9	110	0.03
66	TMC	Ethylbenzene	1.465	1.519	✓-3.7	107	0.02
67	TM	m,p-Xylene	0.550	0.579	-5.3	110	0.03
68	TM	o-Xylene	0.538	0.561	-4.3	106	0.02
69	TM	Styrene	0.945	1.011	-7.0	109	0.03
70	TMP	Bromoform	0.239	0.255✓	-6.7	104	0.02
71	TM	Isopropylbenzene	1.396	1.492	-6.9	111	0.03
72	TMP	1,1,2,2-Tetrachloroethane	0.427	0.441✓	-3.3	101	0.03
73	S	Bromofluorobenzene	0.511	0.508	0.6	100	0.02
74	TM	1,2,3-Trichloropropane	0.329	0.335	-1.8	101	0.03
75	TM	trans-1,4-Dichloro-2-butene	0.069	0.075#	-8.7	99	0.02
76	TM	n-Propylbenzene	1.719	1.800	-4.7	108	0.03
77	TM	Bromobenzene	0.342	0.355	-3.8	106	0.02
78	TM	1,3,5-Trimethylbenzene	1.149	1.251	-8.9	113	0.02
79	TM	2-Chlorotoluene	1.152	1.196	-3.8	109	0.03
80	TM	4-Chlorotoluene	1.067	1.108	-3.8	107	0.02
81	TM	tert-butylbenzene	0.966	1.046	-8.3	108	0.02
82	TM	1,2,4-Trimethylbenzene	1.216	1.266	-4.1	108	0.03

(#) = Out of Range S92910

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44039SC.D Vial: 28
Acq On : 28 Sep 2010 8:22 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.184	0.178	3.3	98	0.02
84	TM	sec-butylbenzene	1.495	1.597	-6.8	111	0.03
85	TM	p-isopropyltoluene	1.176	1.279	-8.8	112	0.03
86	TM	1,3-Dichlorobenzene	0.600	0.627	-4.5	107	0.02
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓99	0.02
88	TM	1,4-Dichlorobenzene	1.422	1.515	-6.5	112	0.03
89	TM	n-butylbenzene	2.752	2.979	-8.2	110	0.03
90	TM	1,2-Dichlorobenzene	1.301	1.397	-7.4	108	0.03
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.190	0.206	-8.4	101	0.03
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.915	0.974	-6.4	109	0.02
95	TM	Hexachlorobutadiene	0.384	0.429	-11.7	112	0.03
96	TM	Naphthalene	1.510	1.908	2 113% -~~26.4#~~	117	0.02
97	TM	1,2,3-Trichlorobenzene	0.810	0.860	-6.2	106	0.03
98	TM	1,3,5-Trichlorobenzene	1.002	1.051	-4.9	107	0.02

J92910

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	I44039SC.D
0=LINEAR	Date Acquired	9/28/2010 8:22
3=QUADRATIC	Sample Name	20 PPB

MT 9/29/10

METHOD: C:\HPCHEM\1\METHODS\VS09270I.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	20.63	20	3.2%	NA	OK
1	Chloromethane	20.27	20	1.4%	NA	OK
1	Vinyl Chloride	21.75	20	8.7%	NA	OK
1	Bromomethane	21.01	20	5.1%	NA	OK
1	Chloroethane	21.85	20	9.2%	NA	OK
1	t-Butyl alcohol (TBA)	106.65	100	6.7%	NA	OK
1	Trichlorofluoromethane	21.32	20	6.6%	NA	OK
1	Diethyl ether	20.34	20	1.7%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	20.85	20	4.3%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	* MT
1	Acetone	98.02	100	2.0%	NA	OK
1	1,1-Dichloroethene	20.57	20	2.8%	NA	OK
1	Methyl iodide	23.43	20	17.2%	NA	OK
1	Di-isopropyl ether (DIPE)	20.55	20	2.8%	NA	OK
0	Methylene Chloride	17.47	20	12.7%		OK
1	Carbon Disulfide	20.04	20	0.2%	NA	OK
1	Acrylonitrile	20.69	20	3.4%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	21.26	20	6.3%	NA	OK
1	trans-1,2-Dichloroethene	20.72	20	3.6%	NA	OK
1	1,1-Dichloroethane	20.52	20	2.6%	NA	OK
1	Vinyl acetate	20.18	20	0.9%	NA	OK
1	Methyl ethyl ketone	106.16	100	6.2%	NA	OK
1	Ethyl t-butyl ether (ETBE)	21.36	20	6.8%	NA	OK
1	2,2-Dichloropropane	20.83	20	4.2%	NA	OK
1	cis-1,2-Dichloroethene	21.15	20	5.7%	NA	OK
1	t-Amyl methyl ether (TAME)	21.14	20	5.7%	NA	OK
1	Chloroform	20.69	20	3.5%	NA	OK
1	Bromochloromethane	21.66	20	8.3%	NA	OK
1	Tetrahydrofuran	21.75	20	8.8%	NA	OK
1	1,1,1-Trichloroethane	21.12	20	5.6%	NA	OK
1	~~NO COMPOUND~~	0.00	1000	100.0%	NA	*
1	1,1-Dichloropropene	21.15	20	5.7%	NA	OK
1	Carbon Tetrachloride	21.50	20	7.5%	NA	OK
1	d4-1,2-Dichloroethane	20.35	20	1.8%	NA	OK
1	1,2-Dichloroethane	20.98	20	4.9%	NA	OK
1	Benzene	20.25	20	1.2%	NA	OK
1	Trichloroethene	20.84	20	4.2%	NA	OK
1	1,2-Dichloropropane	20.09	20	0.4%	NA	OK
1	Methylmethacrylate	22.02	20	10.1%	NA	OK
1	Methyl acetate	19.96	20	0.2%	NA	OK

9/29/10

MT 9/29/10

1	Cyclohexane	20.76	20	3.8%	NA	OK
1	Bromodichloromethane	20.40	20	2.0%	NA	OK
1	Dibromomethane	21.04	20	5.2%	NA	OK
1	1,4-Dioxane	536.08	500	7.2%	NA	OK
1	Methylcyclohexane	20.66	20	3.3%	NA	OK
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	* MT
1	2-Hexanone	106.42	100	6.4%	NA	OK
1	Methyl isobutyl ketone	106.30	100	6.3%	NA	OK
1	cis-1,3-Dichloropropene	20.59	20	3.0%	NA	OK
1	d8-Toluene	20.01	20	0.0%	NA	OK
1	Toluene	20.58	20	2.9%	NA	OK
1	trans-1,3-Dichloropropene	21.32	20	6.6%	NA	OK
1	1,1,2-Trichloroethane	21.05	20	5.3%	NA	OK
1	1,3-Dichloropropane	20.79	20	4.0%	NA	OK
1	Tetrachloroethene	21.97	20	9.8%	NA	OK
1	Dibromochloromethane	21.74	20	8.7%	NA	OK
1	1,2-Dibromoethane	21.27	20	6.3%	NA	OK
1	Chlorobenzene	21.28	20	6.4%	NA	OK
1	1,1,1,2-Tetrachloroethane	21.40	20	7.0%	NA	OK
1	Ethylbenzene	20.73	20	3.7%	NA	OK
1	m,p-Xylene	42.14	40	5.3%	NA	OK
1	o-Xylene	20.86	20	4.3%	NA	OK
1	Styrene	21.40	20	7.0%	NA	OK
1	Bromoform	21.34	20	6.7%	NA	OK
1	Isopropylbenzene	21.38	20	6.9%	NA	OK
1	1,1,2,2-Tetrachloroethane	20.67	20	3.3%	NA	OK
1	Bromofluorobenzene	19.88	20	0.6%	NA	OK
1	1,2,3-Trichloropropane	20.37	20	1.9%	NA	OK
1	trans-1,4-Dichloro-2-butene	21.85	20	9.3%	NA	OK
1	n-Propylbenzene	20.95	20	4.7%	NA	OK
1	Bromobenzene	20.77	20	3.9%	NA	OK
1	1,3,5-Trimethylbenzene	21.77	20	8.8%	NA	OK
1	2-Chlorotoluene	20.76	20	3.8%	NA	OK
1	4-Chlorotoluene	20.76	20	3.8%	NA	OK
1	tert-butylbenzene	21.66	20	8.3%	NA	OK
1	1,2,4-Trimethylbenzene	20.82	20	4.1%	NA	OK
1	Pentachloroethane	19.29	20	3.5%	NA	OK
1	sec-butylbenzene	21.36	20	6.8%	NA	OK
1	p-isopropyltoluene	21.75	20	8.7%	NA	OK
1	1,3-Dichlorobenzene	20.89	20	4.5%	NA	OK
1	1,4-Dichlorobenzene	21.31	20	6.5%	NA	OK
1	n-butylbenzene	21.65	20	8.2%	NA	OK
1	1,2-Dichlorobenzene	21.47	20	7.3%	NA	OK
1	1,2-Dibromo-3-chloropropane	21.61	20	8.1%	NA	OK
1	1,2,4-Trichlorobenzene	21.30	20	6.5%	NA	OK
1	Hexachlorobutadiene	22.33	20	11.6%	NA	OK
3	Naphthalene	22.54	20	12.7%		OK
1	1,2,3-Trichlorobenzene	21.22	20	6.1%	NA	OK
1	1,3,5-Trichlorobenzene	20.98	20	4.9%	NA	OK

J 9/29/10

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44039SC.D Vial: 28
Acq On : 28 Sep 2010 8:22 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:55 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil MT 9/29/10
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	114215	20.00 ug/L	0.03
39) 1,4-Difluorobenzene	7.95	114	214733	20.00 ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	185195 ✓	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.39	152	79727	20.00 ug/L	0.02

System Monitoring Compounds					
28) DB HOLDER #28	7.32	65	99348	20.35 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.75% ✓		
36) d4-1,2-Dichloroethane	7.32	65	99348	20.35 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.75% ✓		
54) d8-Toluene	10.25	98	230894	20.01 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.05% ✓		
73) Bromofluorobenzene	14.51	95	94009	19.88 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.40% ✓		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	82625	20.63 ug/L	98
3) Chloromethane	1.68	50	70164	20.27 ug/L	99
4) Vinyl Chloride	1.77	62	66129	21.75 ug/L	97
5) Bromomethane	2.16	94	50049	21.01 ug/L	98
6) Chloroethane	2.24	64	36823	21.85 ug/L	94
7) t-Butyl alcohol (TBA)	3.31	59	54602	106.65 ug/L	100
8) Trichlorofluoromethane	2.49	101	128869	21.32 ug/L	97
9) Diethyl ether	2.82	74	30018	20.34 ug/L	96
10) 1,1,2-Trichlorotrifluoroet	2.98	101	67199	20.85 ug/L	99
12) Acetone	3.05	43	130720	98.02 ug/L	99
13) 1,1-Dichloroethene	3.19	96	56194	20.57 ug/L	97
14) Methyl iodide	3.57	142	98532	23.43 ug/L	100
15) Di-isopropyl ether (DIPE)	4.86	45	225927	20.55 ug/L	98
16) Methylene Chloride	3.85	84	76968	17.47 ug/L	99
17) Carbon Disulfide	3.82	76	179938	20.04 ug/L	100
18) Acrylonitrile	4.07	53	25797	20.69 ug/L	98
19) Methyl-tert-butyl ether (M	4.11	73	192361	21.26 ug/L	98
20) trans-1,2-Dichloroethene	4.30	96	68216	20.72 ug/L	96
21) 1,1-Dichloroethane	4.99	63	126682	20.52 ug/L	98
22) Vinyl acetate	5.04	86	9627	20.18 ug/L	80
23) Methyl ethyl ketone	5.69	72	39092	106.16 ug/L	88
24) Ethyl t-butyl ether (ETBE)	5.51	59	240257	21.36 ug/L	100
25) 2,2-Dichloropropane	5.88	77	103088	20.83 ug/L	95
26) cis-1,2-Dichloroethene	5.96	96	76323	21.15 ug/L	96
27) t-Amyl methyl ether (TAME)	7.28	73	184413	21.14 ug/L	97
29) Chloroform	6.19	83	128604	20.69 ug/L	97
30) Bromochloromethane	6.45	128	38613	21.66 ug/L #	85

(#) = qualifier out of range (m) = manual integration 592900

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44039SC.D Vial: 28
Acq On : 28 Sep 2010 8:22 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:55 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.50	71	8760	21.75 ug/L	91
32)	1,1,1-Trichloroethane	6.81	97	108838	21.12 ug/L	97
34)	1,1-Dichloropropene	7.05	75	93180	21.15 ug/L	96
35)	Carbon Tetrachloride	7.18	119	89240	21.50 ug/L	98
37)	1,2-Dichloroethane	7.47	62	120460	20.98 ug/L	99
38)	Benzene	7.46	78	221383	20.25 ug/L	97
40)	Trichloroethene	8.41	95	73620	20.84 ug/L	91
41)	1,2-Dichloropropane	8.69	63	64786	20.09 ug/L	99
42)	Methylmethacrylate	8.85	69	48187	22.02 ug/L	98
43)	Methyl acetate	3.65	43	65769	19.96 ug/L	97
44)	Cyclohexane	6.80	56	104498	20.76 ug/L	98
45)	Bromodichloromethane	9.04	83	99096	20.40 ug/L	99
46)	Dibromomethane	9.11	93	60117	21.04 ug/L	95
47)	1,4-Dioxane	9.10	88	23873	536.08 ug/L	94
48)	Methylcyclohexane	8.48	83	97274	20.66 ug/L	98
51)	2-Hexanone	10.98	58	153223	106.42 ug/L	96
52)	Methyl isobutyl ketone	9.62	58	154823	106.30 ug/L	96
53)	cis-1,3-Dichloropropene	9.91	75	105378	20.59 ug/L	98
55)	Toluene	10.37	92	146054	20.58 ug/L	98
56)	trans-1,3-Dichloropropene	10.70	75	107093	21.32 ug/L	99
58)	1,1,2-Trichloroethane	10.91	83	51268	21.05 ug/L	97
59)	1,3-Dichloropropane	11.32	76	97335	20.79 ug/L	98
60)	Tetrachloroethene	11.37	166	67323	21.97 ug/L	99
61)	Dibromochloromethane	11.67	129	79301	21.74 ug/L	93
62)	1,2-Dibromoethane	11.98	107	77906	21.27 ug/L	97
64)	Chlorobenzene	12.64	112	180445	21.28 ug/L	98
65)	1,1,1,2-Tetrachloroethane	12.73	131	63330	21.40 ug/L	98
66)	Ethylbenzene	12.75	91	281238	20.73 ug/L	100
67)	m,p-Xylene	12.87	106	214605	42.14 ug/L	94
68)	o-Xylene	13.54	106	103803	20.86 ug/L	94
69)	Styrene	13.61	104	187269	21.40 ug/L	99
70)	Bromoform	14.10	173	47203	21.34 ug/L	96
71)	Isopropylbenzene	14.14	105	276253	21.38 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.42	83	81681	20.67 ug/L	97
74)	1,2,3-Trichloropropane	14.65	75	62132	20.37 ug/L	96
75)	trans-1,4-Dichloro-2-buten	14.79	88	13954	21.85 ug/L	86
76)	n-Propylbenzene	14.78	91	333349	20.95 ug/L	95
77)	Bromobenzene	14.79	156	65800	20.77 ug/L	97
78)	1,3,5-Trimethylbenzene	15.03	105	231649	21.77 ug/L	97
79)	2-Chlorotoluene	15.02	91	221486	20.76 ug/L	96
80)	4-Chlorotoluene	15.10	91	205242	20.76 ug/L	97
81)	tert-butylbenzene	15.59	119	193669	21.66 ug/L	96

(#) = qualifier out of range (m) = manual integration

J42960

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44039SC.D Vial: 28
Acq On : 28 Sep 2010 8:22 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:55 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.65	105	234433	20.82 ug/L	98
83)	Pentachloroethane	15.65	167	32875	19.29 ug/L	99
84)	sec-butylbenzene	15.94	105	295695	21.36 ug/L	97
85)	p-isopropyltoluene	16.18	119	236877	21.75 ug/L	96
86)	1,3-Dichlorobenzene	16.26	146	116061	20.89 ug/L	99
88)	1,4-Dichlorobenzene	16.45	146	120766	21.31 ug/L	99
89)	n-butylbenzene	16.84	91	237513	21.65 ug/L	96
90)	1,2-Dichlorobenzene	17.03	146	111374	21.47 ug/L	98
92)	1,2-Dibromo-3-chloropropan	18.32	75	16399	21.61 ug/L	91
94)	1,2,4-Trichlorobenzene	19.74	180	77681	21.30 ug/L	93
95)	Hexachlorobutadiene	20.01	225	34173	22.33 ug/L	95
96)	Naphthalene	20.14	128	152111	22.54 ug/L	98
97)	1,2,3-Trichlorobenzene	20.56	180	68532	21.22 ug/L	95
98)	1,3,5-Trichlorobenzene	18.70	180	83791	20.98 ug/L	98

J92910

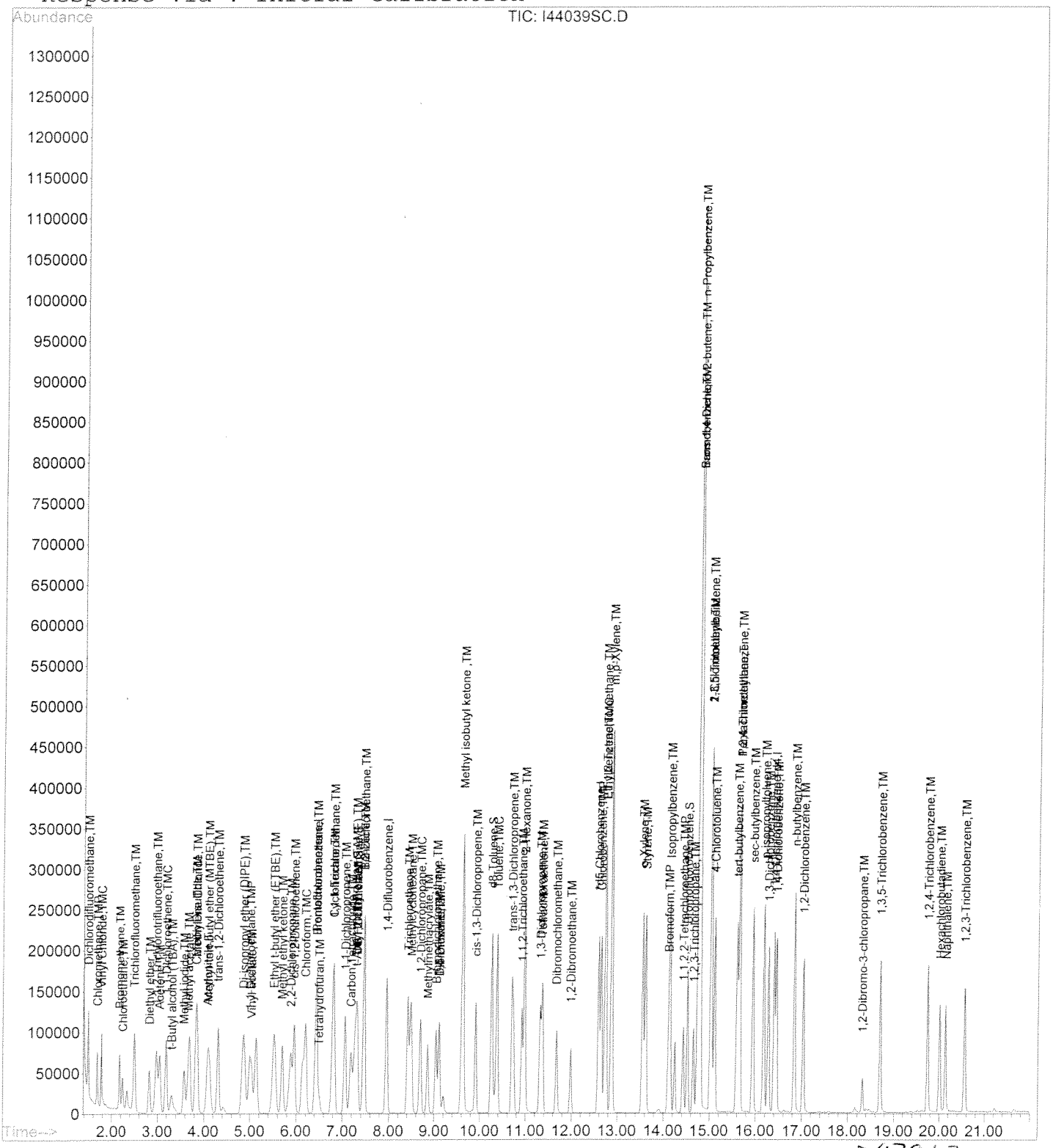
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44039SC.D Vial: 28
Acq On : 28 Sep 2010 8:22 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:55 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



9/29/10

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67834

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	115240		6.40		214249		7.92		185477		12.56		80347		16.38	
Upper Limit	230480		6.46		428498		7.98		370954		12.62		160694		16.44	
Lower limit	57620		6.34		107125		7.86		92739		12.50		40174		16.32	
SAMPLE ID																
1 PPB	113651		6.40		209896		7.93		178137		12.57		77361		16.38	
2 PPB	117322		6.40		213441		7.93		183482		12.56		78893		16.37	
5 PPB	112601		6.39		208170		7.92		178504		12.56		77316		16.38	
20 PPB	115240		6.40		214249		7.92		185477		12.56		80347		16.38	
50 PPB	119455		6.39		222446		7.92		186670		12.56		82549		16.38	
100 PPB	115759		6.39		220266		7.92		189844		12.56		82308		16.37	
20 PPB ICV	116794		6.40		216266		7.93		187549		12.56		80716		16.38	
20 PPB ICV2	113034		6.40		209787		7.92		182438		12.56		78006		16.38	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

Tune File : C:\HPCHEM\1\DATA\092710-I\I44000T.D
Tune Time : 27 Sep 2010 4:31 pm

Daily Calibration File : C:\HPCHEM\1\DATA\092710-I\I44005SI.D

115240 214249 185477

MT 9/29/10

80347

File	Sample	Surrogate Recovery %				Internal Standard Responses		
I44002SI.D	1 PPB	85	85	82	88	113651	209896	178137
				77361				
I44003SI.D	2 PPB	82	82	81	88	117322	213441	183482
				78893				
I44004SI.D	5 PPB	82	82	81	88	112601	208170	178504
				77316				
I44005SI.D	20 PPB	85	85	82	87	115240	214249	185477
				80347				
I44006SI.D	50 PPB	83	83	79	88	119455	222446	186670
				82549				
I44007SI.D	100 PPB	86	86	81	88	115759	220266	189844
				82308				
I44010Q.D	20 PPB I	102	102	100	98	116794	216266	187549
				80716				
I44011Q.D	20 PPB I	102	102	100	101	113034	209787	182438
				78006				

t - fails 12hr time check * - fails criteria

Created: Tue Sep 28 13:19:09 2010 Instrumen

J92910

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67834

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	114699		6.43		214572		7.96		183336		12.59		78599		16.41	
Upper Limit	229398		6.49		429144		8.02		366672		12.65		157198		16.47	
Lower limit	57350		6.37		107286		7.90		91668		12.53		39300		16.35	
SAMPLE ID																
20 PPB	114699		6.43		214572		7.96		183336		12.59		78599		16.41	
LL09280I	117421		6.42		222954		7.96		184581		12.59		78922		16.40	
LL09280I2	117980		6.43		221384		7.95		189239		12.58		80175		16.41	
LB09280I	113092		6.42		209787		7.95		179781		12.58		77571		16.39	
67834-10	111716		6.41		208010		7.94		180081		12.57		77413		16.40	
67834-11	112147		6.42		211208		7.95		178273		12.58		76317		16.39	
67834-12	111146		6.41		207073		7.95		175352		12.58		75413		16.39	
67834-1	107160		6.43		199406		7.95		170334		12.57		73640		16.40	
67834-2	109865		6.42		203308		7.95		176992		12.58		74429		16.39	
67834-3	109714		6.42		198553		7.95		170768		12.58		74980		16.40	
67834-4	108791		6.42		203471		7.95		172386		12.58		74713		16.40	
67834-5	103092		6.42		192985		7.96		164006		12.59		69673		16.40	

IS I = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

Tune File : C:\HPCHEM\1\DATA\092810-I\I44013T.D
Tune Time : 28 Sep 2010 7:51 am

Daily Calibration File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D

114699 214572 183336

MT 9/29/10

78599

File	Sample	Surrogate Recovery %				Internal Standard Responses		
I44016Q.D	LL09280I	101	101	100	101	117421	222954	184581
				78922				
I44017Q.D	LL09280I	101	101	100	99	117980	221384	189239
				80175				
I44019.D	BROMOFOR	102	102	101	100	114431	209911	180487
				76989				
I44020B.D	LB09280I	101	101	100	100	113092	209787	179781
				77571				
I44021.D	67834-10	105	105	100	101	111716	208010	180081
				77413				
I44022.D	67834-11	103	103	100	101	112147	211208	178273
				76317				
I44023.D	67834-12	106	106	101	103	111146	207073	175352
				75413				
I44024.D	67835-1	107	107	103	96	108590	202044	171251
				68763				
I44025.D	67835-6	108	108	100	98	107462	202104	170580
				68069				
I44026.D	67835-5	101	101	101	99	114270	210223	181772
				76287				
I44027.D	67835-3	103	103	100	100	112007	207780	178095
				75545				
I44028.D	67835-4	104	104	102	98	109969	202263	174464
				72852				
I44029.D	67834-1	104	104	103	101	107160	199406	170334
				73640				
I44030.D	67834-2	105	105	100	97	109865	203308	176992
				74429				
I44031.D	67834-3	106	106	103	102	109714	198553	170768
				74980				
I44032.D	67834-4	105	105	100	102	108791	203471	172386
				74713				
I44033.D	67834-5	108	108	101	113	[illegible]	192985	164006

9/29/10

				69673				
I44034.D	67835-2	98	98	99	98	113321	213552	181772
				76762				
I44035SP.D	67835-6,	104	104	98	97	114776	216811	184244
				75540				
I44036SP.D	67835-6,	103	103	101	98	116754	220495	189345
				76767				

t - fails 12hr time check * - fails criteria

Created: Wed Sep 29 07:13:15 2010 Instrumen

MT 9/29/10

J929W

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67834

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	114215		6.42		214733		7.95		185195		12.58		79727		16.39	
Upper Limit	228430		6.48		429466		8.01		370390		12.64		159454		16.45	
Lower limit	57108		6.36		107367		7.89		92598		12.52		39864		16.33	
SAMPLE ID																
20 PPB	114215		6.42		214733		7.95		185195		12.58		79727		16.39	
LL09280I3	118192		6.42		222527		7.95		190784		12.58		82331		16.40	
LL09280I4	115252		6.43		212805		7.94		187976		12.58		79639		16.40	
LB09280I2	109765		6.42		204517		7.95		177223		12.58		75512		16.40	
67834-7	108221		6.42		203585		7.95		174041		12.58		75510		16.40	
67834-8	116393		6.42		219009		7.95		186136		12.58		78575		16.40	
67834-13	115234		6.42		215587		7.95		188116		12.58		78445		16.40	
67834-14	114238		6.42		214917		7.95		185722		12.58		80572		16.39	
67834-17	102423		6.42		196942		7.95		169557		12.58		73889		16.39	
67834-16	111620		6.41		208570		7.95		177659		12.57		75954		16.40	
67834-15	110610		6.42		208415		7.95		179902		12.58		77439		16.39	
67834-18	110676		6.42		207318		7.95		181595		12.58		75864		16.39	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\092810-I\I44037T.D
Tune Time : 28 Sep 2010 7:26 pm

Daily Calibration File : C:\HPCHEM\1\DATA\092810-I\I44039SC.D

114215 214733 185195

MT 9/29/10

79727

File	Sample	Surrogate Recovery %				Internal Standard Responses		
I44040Q.D	LL09280I	101	101	98	99	118192	222527	190784
				82331				
I44041Q.D	LL09280I	99	99	101	98	115252	212805	187976
				79639				
I44045B.D	LB09280I	101	101	100	99	109765	204517	177223
				75512				
I44046.D	CONT#8/3	98	98	98	99	113939	210570	181045
				76698				
I44047.D	CONT#9/2	107	107	100	101	110728	208081	178857
				80565				
I44048.D	CONT#9/2	106	106	99	101	112478	210878	181348
				78110				
I44049.D	CONT#9/2	111	111	102	102	107783	202364	178546
				76795				
I44050.D	67834-7	101	101	100	105	108221	203585	174041
				75510				
I44051.D	67834-8	106	106	99	100	116393	219009	186136
				78575				
I44052.D	67834-13	104	104	102	100	115234	215587	188116
				78445				
I44053.D	67834-14	105	105	100	101	114238	214917	185722
				80572				
I44054.D	67834-17	106	106	102	101	102423	196942	169557
				73889				
I44055.D	67834-16	103	103	99	100	111620	208570	177659
				75954				
I44056.D	67834-15	105	105	100	104	110610	208415	179902
				77439				
I44057.D	67834-18	104	104	102	102	110676	207318	181595
				75864				

t - fails 12hr time check * - fails criteria

J42900

Created: Wed Sep 29 07:12:44 2010 Instrumen

VPH
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV092110K3
Matrix: Soil
Percent Solid: 0
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				83
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VPH SOIL REPORT

Sample Name	**MBV092110K3**
Data File Name	K29023B.D
Date Acquired	9/21/2010 19:50
Misc Info	100,10.00,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**1.0000**
% Moisture (divided by 100)	0.0000
Vol. entrained water (mL)	0.0000
Total MeOH/water vol (mL)	10.0000
Dilution Factor	50.00
Moisture Corrected Dilution Factor	50.00

gs 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2500	
Unadjusted C9-C12 Aliphatics	U		2500	
Benzene	U		100	
Ethylbenzene	U		100	
Methyl-t-butylether	U		100	
Naphthalene	U		100	ND
Toluene	U		100	
m,p-Xylenes	U		200	
o-Xylene	U		100	
C5-C8 Aliphatic Hydrocarbons	U		2500	
C9-C12 Aliphatic Hydrocarbons	U		2500	
C9-C10 Aromatic Hydrocarbons	U		500	
PID Surrogate % Recovery	88%		70-130%	PASS
FID Surrogate % Recovery	83%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	29.86	0.00	218737						0
C9-C12 ALIPHATICS	13.33	0.00	95060						0
2,5-Dibromotoluene	82.95		243971						
PID RESULTS									
Methyl-t-butylether #2	0.24	0.00	1101	2.193	2.183	0.0477	OK	0.00	0
Benzene #2	0.95	0.00	12370	3.509	3.512	0.0380	OK	0.00	0
Toluene #2	0.97	0.00	11600	4.881	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.81	0.00	8873	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	1.57	0.00	19657	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.82	0.00	9131	6.558	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.61	0.00	6228	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	4.49	0.00	52937						0
2,5-Dibromotoluene #2	87.96		694223						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

9/22/10

9/22/2010 8:46 AM

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29023B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:50 pm
Operator : JJL
Sample : MBV092110K3
Misc : 100,10.00,SOIL
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:41:09 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.353	243971	694223	82.946	87.955	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	82.95%	87.95%
		Target Compounds							
2)	Z	2-Methylp...	2.004	2.002	8097	792	0.989	NoCal	#
3)	TM	Methyl-t-...	2.177	2.192	162	1101	NoCal	0.236	#
4)	Z	2,2,4-Tri...	3.320	3.320	4607	3149	0.597	NoCal	#
5)	TM	Benzene	3.511	3.509	11449	12370	NoCal m	0.951	m#
6)	TM	Toluene	4.881	4.881	9217	11600	NoCal	0.973	#
7)	XH	C5-C8 ALI...	3.717	0.000	218737	0	29.863	N.D.	#
9)	TM	Ethylbenzene	6.121	6.121	8728	8873	NoCal	0.812	#
10)	TM	m,p-Xylene	6.187	6.187	17286	19657	NoCal	1.567	#
11)	TM	o-Xylene	6.558	6.558	8805	9131	NoCal	0.816	#
12)	Z	n-Decane	7.152	7.155	6683	1609	0.969	NoCal	#
13)	Z	n-Butylcy...	7.822	7.821	6732	4452	0.915	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	95060	0	13.334	N.D.	#
15)	ZM	1,2,4-Tri...	7.715	7.715	9501	10281	NoCal	0.872	#
16)	XH	C9-C10 AR...	10.410	8.424	18	52937	NoCal	4.488	#
17)	TM	Naphthalene	10.244	10.244	4644	6228	NoCal	0.611	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

092210

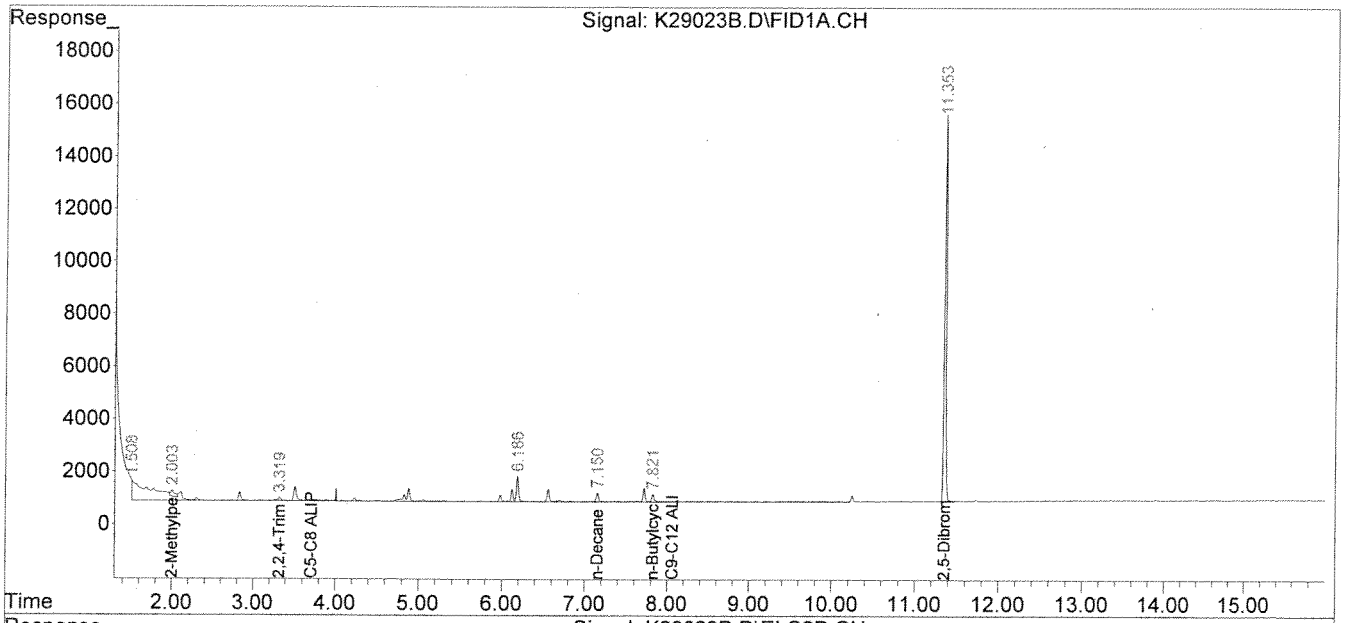
Quantitation Report (QT Reviewed)

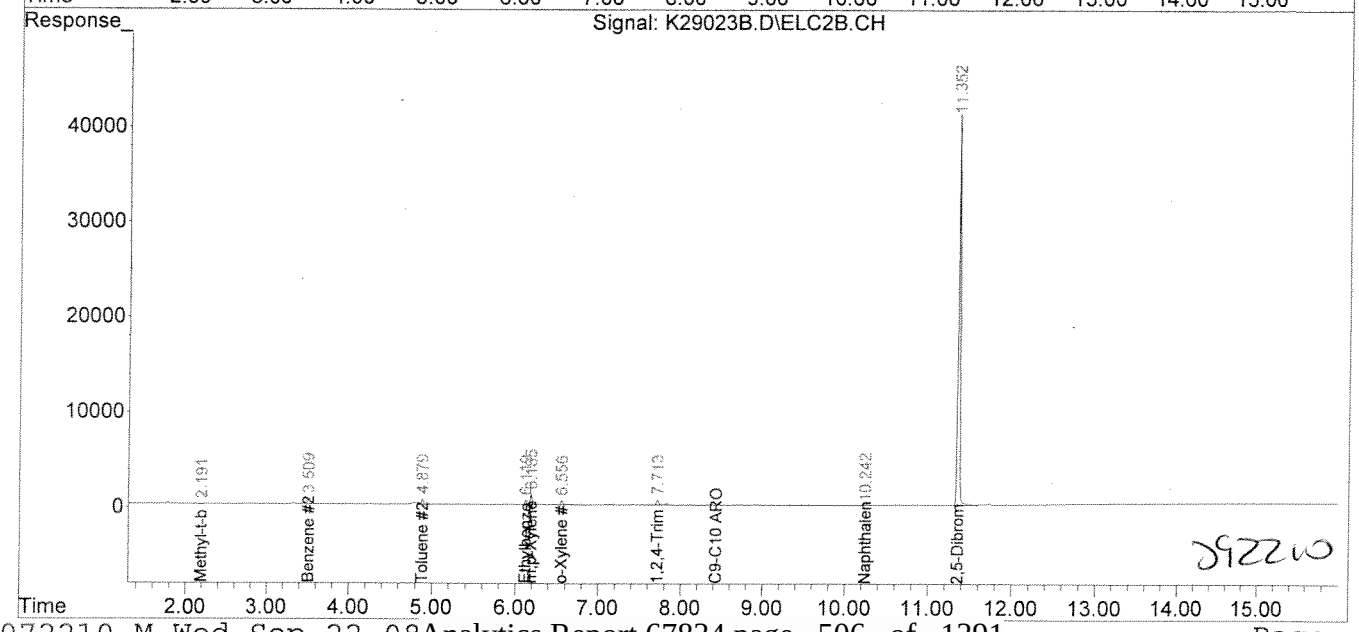
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29023B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:50 pm
Operator : JJL
Sample : MBV092110K3
Misc : 100,10.00,SOIL
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:41:09 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





D922W

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV092210K
Matrix: Soil
Percent Solid: 0
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				92
Surrogate % Recovery (2,5-Dibromotoluene) FID				81
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**MBV092210K**
Data File Name	K29048B.D
Date Acquired	9/22/2010 11:32
Misc Info	100,10.00,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**1.0000**
% Moisture (divided by 100)	0.0000
Vol. entrained water (mL)	0.0000
Total MeOH/water vol (mL)	10.0000
Dilution Factor	50.00
Moisture Corrected Dilution Factor	50.00

98 9/23/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2500	
Unadjusted C9-C12 Aliphatics	U		2500	
Benzene	U		100	
Ethylbenzene	U		100	
Methyl-t-butylether	U		100	
Naphthalene	U		100	ND
Toluene	U		100	
m,p-Xylenes	U		200	
o-Xylene	U		100	
C5-C8 Aliphatic Hydrocarbons	U		2500	
C9-C12 Aliphatic Hydrocarbons	U		2500	
C9-C10 Aromatic Hydrocarbons	U		500	
PID Surrogate % Recovery	92%		70-130%	PASS
FID Surrogate % Recovery	81%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	34.57	0.00	253226						0
C9-C12 ALIPHATICS	15.39	0.00	109731						0
2,5-Dibromotoluene	80.94		238058						
PID RESULTS									
Methyl-t-butylether #2	0.02	0.00	95	2.196	2.183	0.0477	OK	0.00	0
Benzene #2	0.91	0.00	11867	3.510	3.512	0.0380	OK	0.00	0
Toluene #2	0.90	0.00	10756	4.879	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.75	0.00	8244	6.119	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	1.51	0.00	18884	6.185	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.79	0.00	8853	6.556	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.80	0.00	8104	10.242	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	6.11	0.00	72099						0
2,5-Dibromotoluene #2	91.63		723251						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29048B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 11:32 am
Operator : JJL
Sample : MBV092210K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 11:51:57 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
System Monitoring Compounds								
18) S	2,5-Dibro...	11.352	11.352	238058	723251	80.935	91.633	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	80.94%	91.63%
Target Compounds								
2) Z	2-Methylp...	2.003	2.012	8074	431	0.986	NoCal	#
3) TM	Methyl-t-...	2.195	2.196	68	95	NoCal	0.020	#
4) Z	2,2,4-Tri...	3.318	3.319	5386	5028	0.698	NoCal	#
5) TM	Benzene	3.511	3.510	10814	11867	NoCal	0.912	#
6) TM	Toluene	4.880	4.879	7641	10756	NoCal	0.902	#
7) XH	C5-C8 ALI...	3.717	0.000	253226	0	34.572	N.D.	#
9) TM	Ethylbenzene	6.120	6.119	7751	8244	NoCal	0.755	#
10) TM	m,p-Xylene	6.185	6.185	14647	18884	NoCal	1.505	#
11) TM	o-Xylene	6.557	6.556	7829	8853	NoCal	0.791	#
12) Z	n-Decane	7.150	7.150	7059	1723	1.024	NoCal	#
13) Z	n-Butylcy...	7.820	7.820	6694	3709	0.909	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	109731	0	15.392	N.D.	#
15) ZM	1,2,4-Tri...	7.713	7.713	8025	10260	NoCal	0.870	#
16) XH	C9-C10 AR...	10.410	8.424	18	72099	NoCal	6.112	#
17) TM	Naphthalene	10.243	10.242	5634	8104	NoCal	0.795	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

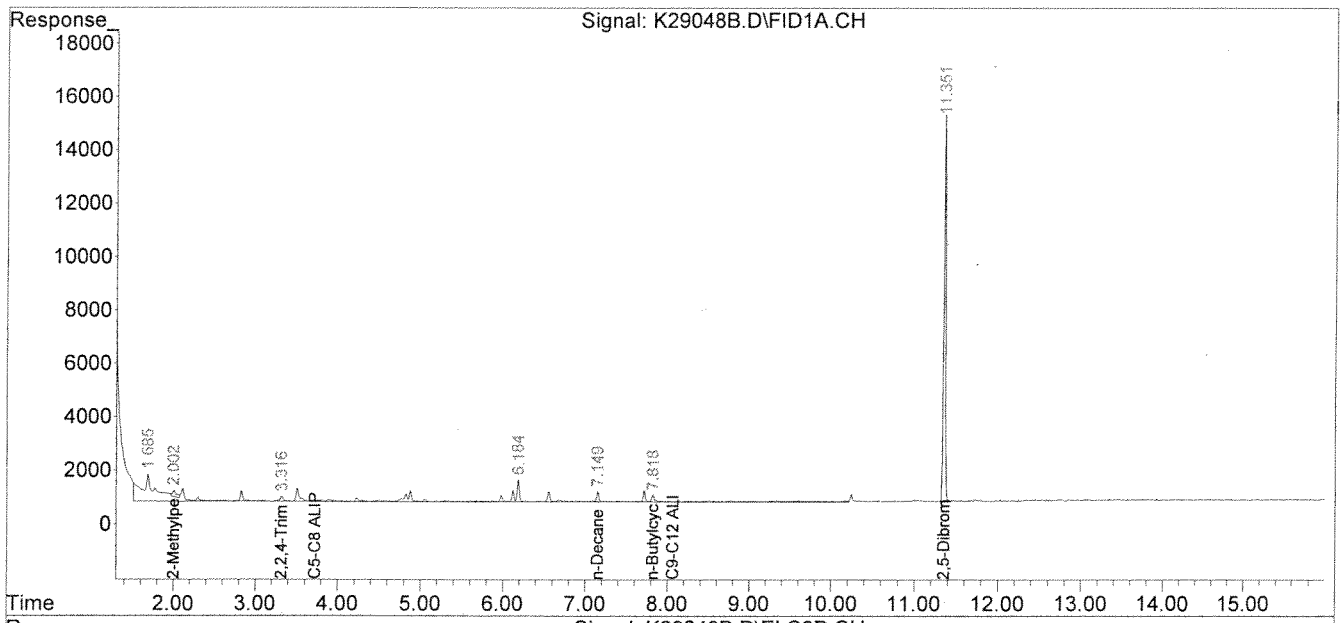
Quantitation Report (Not Reviewed)

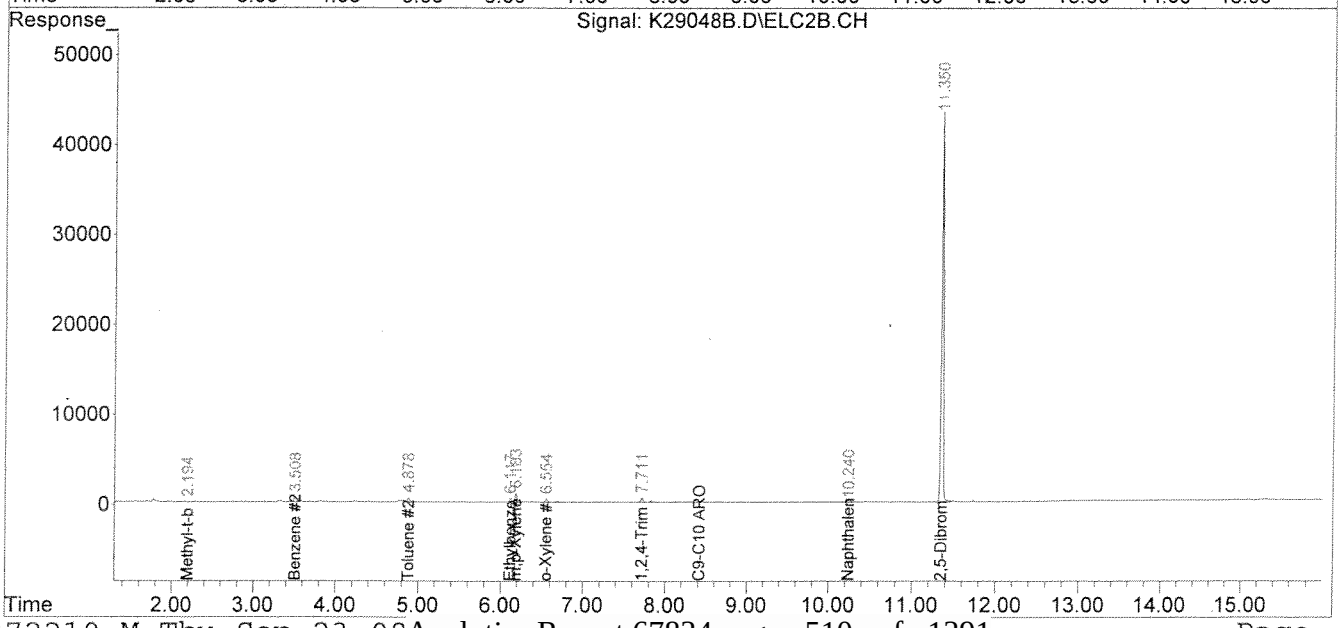
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29048B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 11:32 am
Operator : JJL
Sample : MBV092210K
Misc : 100,10.00,SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 11:51:57 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-01

SAMPLE DATA

Lab Sample ID: 67834-1
Matrix: Solid
Percent Solid: 96
Dilution Factor: 64
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3200	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3200	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3200	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3200	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	640	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				92
Surrogate % Recovery (2,5-Dibromotoluene) FID				87
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67834-1**
Data File Name	K29024.D
Date Acquired	9/21/2010 20:15
Misc Info	100,8.28,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	8.28
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9645**
% Moisture (divided by 100)	0.0355
Vol. entrained water (mL)	0.2939
Total MeOH/water vol (mL)	10.2939
Dilution Factor	62.61
Moisture Corrected Dilution Factor	64.45

BS 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3222	
Unadjusted C9-C12 Aliphatics	U		3222	
Benzene	U		129	
Ethylbenzene	U		129	
Methyl-t-butylether	U		129	
Naphthalene	U		129	ND
Toluene	U		129	
m,p-Xylenes	U		258	
o-Xylene	U		129	
C5-C8 Aliphatic Hydrocarbons	U		3222	
C9-C12 Aliphatic Hydrocarbons	U		3222	
C9-C10 Aromatic Hydrocarbons	U		644	
PID Surrogate % Recovery	92%		70-130%	PASS
FID Surrogate % Recovery	87%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	29.03	0.00	212624						0
C9-C12 ALIPHATICS	6.62	0.00	47221						0
2,5-Dibromotoluene	84.76		249300						
PID RESULTS									
Methyl-t-butylether #2	0.15	0.00	680	2.224	2.183	0.0477	OK	0.00	0
Benzene #2	0.21	0.00	2791	3.522	3.512	0.0380	OK	0.00	0
Toluene #2	0.13	0.00	1596	4.881	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.09	0.00	968	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.22	0.00	2709	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.10	0.00	1150	6.562	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.30	0.00	3107	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	3.85	0.00	45367						0
2,5-Dibromotoluene #2	89.08		703136						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

592310

9/22/2010 10:13 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29024.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 8:15 pm
Operator : JJL
Sample : 67834-1
Misc : 100,8.28,SOIL
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:12:22 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18)	S 2,5-Dibro...	11.354	11.353	249300	703136	84.757	89.084	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	84.76%	89.08%
	Target Compounds							
2)	Z 2-Methylp...	2.003	1.997	9191	447	1.123	NoCal	#
3)	TM Methyl-t-...	2.227	2.224	41	680	NoCal	0.146	#
4)	Z 2,2,4-Tri...	3.252	3.254	134	239	0.017	NoCal	#
5)	TM Benzene	3.522	3.522	3804	2791	NoCal	0.214	#
6)	TM Toluene	4.880	4.881	1405	1596	NoCal	0.134	#
7)	XH C5-C8 ALI...	3.717	0.000	212624	0	29.029	N.D.	#
9)	TM Ethylbenzene	6.122	6.121	1196	968	NoCal	0.089	#
10)	TM m,p-Xylene	6.187	6.187	2111	2709	NoCal	0.216	#
11)	TM o-Xylene	6.557	6.562	1234	1150	NoCal	0.103	#
12)	Z n-Decane	7.152	7.143	3027	1385	0.439	NoCal	#
13)	Z n-Butylcy...	7.823	7.820	1794	1229	0.244	NoCal	#
14)	XH C9-C12 AL...	8.070	0.000	47221	0	6.624	N.D.	#
15)	ZM 1,2,4-Tri...	7.715	7.715	2085	2727	NoCal	0.231	#
16)	XH C9-C10 AR...	10.410	8.424	4	45367	NoCal	3.846	#
17)	TM Naphthalene	10.244	10.244	2216	3107	NoCal	0.305	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

5923W

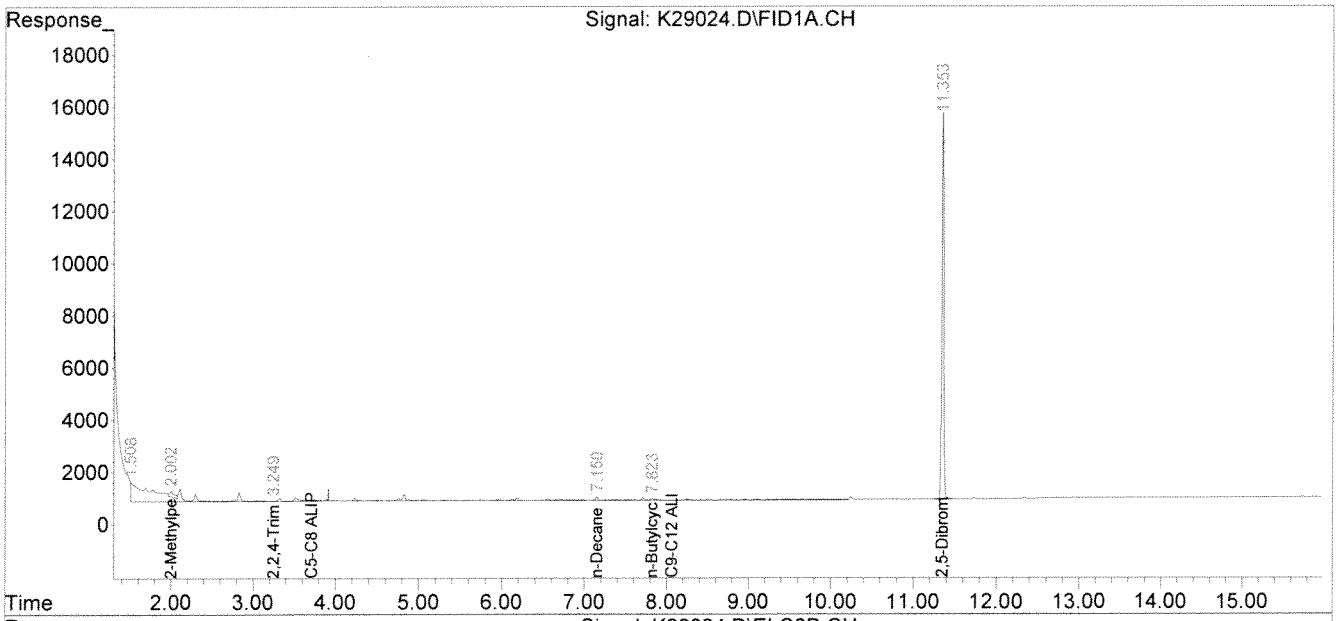
Quantitation Report (Not Reviewed)

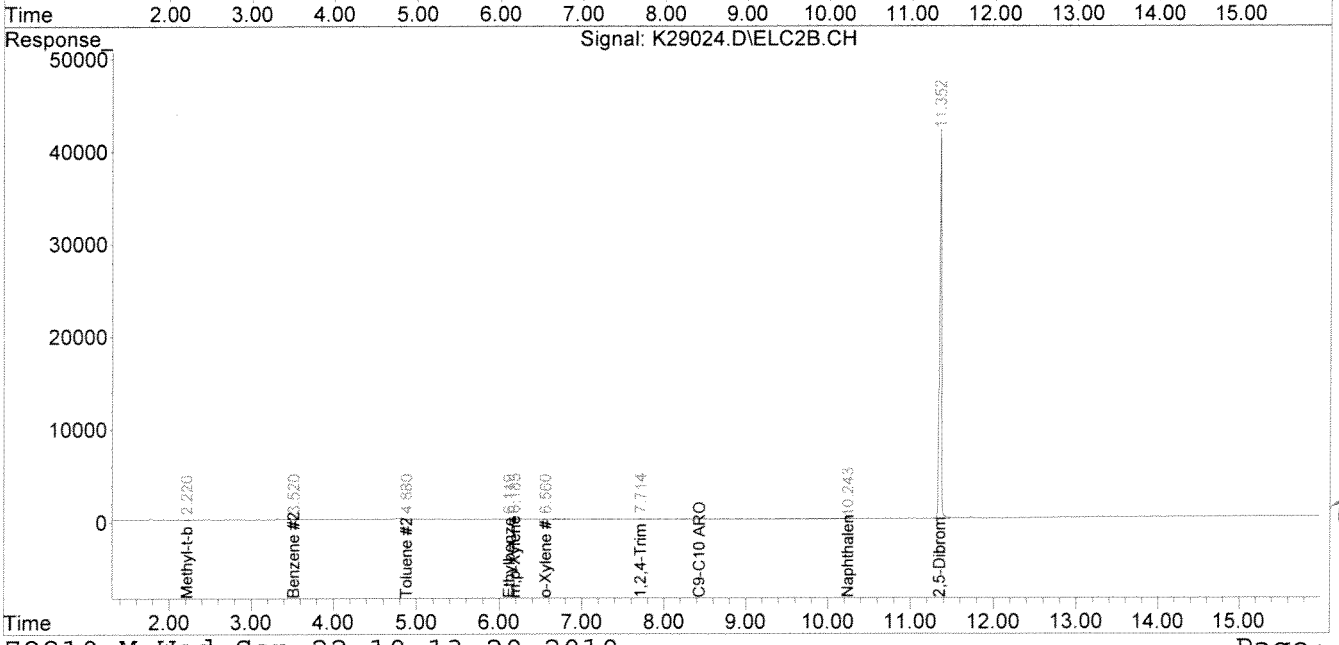
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29024.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 8:15 pm
Operator : JJL
Sample : 67834-1
Misc : 100,8.28,SOIL
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:12:22 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





342300

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-02

SAMPLE DATA

Lab Sample ID: 67834-2
Matrix: Solid
Percent Solid: 90
Dilution Factor: 66
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3300	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3300	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3300	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3300	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	660	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				83
Surrogate % Recovery (2,5-Dibromotoluene) FID				79
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: Mabbell

VPH SOIL REPORT

Sample Name	**67834-2**
Data File Name	K29025.D
Date Acquired	9/21/2010 20:39
Misc Info	100,9.15,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	9.15
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.8997**
% Moisture (divided by 100)	0.1003
Vol. entrained water (mL)	0.9177
Total MeOH/water vol (mL)	10.9177
Dilution Factor	60.74
Moisture Corrected Dilution Factor	66.31

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3316	
Unadjusted C9-C12 Aliphatics	U		3316	
Benzene	U		133	
Ethylbenzene	U		133	
Methyl-t-butylether	U		133	ND
Naphthalene	U		133	
Toluene	U		133	
m,p-Xylenes	U		265	
o-Xylene	U		133	
C5-C8 Aliphatic Hydrocarbons	U		3316	
C9-C12 Aliphatic Hydrocarbons	U		3316	
C9-C10 Aromatic Hydrocarbons	U		663	
PID Surrogate % Recovery	83%		70-130%	PASS
FID Surrogate % Recovery	79%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	28.09	0.00	205766						0
C9-C12 ALIPHATICS	6.83	0.00	48682						0
2,5-Dibromotoluene	72.39		212908						
PID RESULTS									
Methyl-t-butylether #2	0.11	0.00	530	2.176	2.183	0.0477	OK	0.00	0
Benzene #2	0.20	0.00	2564	3.521	3.512	0.0380	OK	0.00	0
Toluene #2	0.14	0.00	1621	4.884	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.08	0.00	909	6.127	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.13	0.00	1620	6.189	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.10	0.00	1150	6.564	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.23	0.00	2338	10.245	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	3.35	0.00	39565						0
2,5-Dibromotoluene #2	75.88		598921						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

9/22/10

9/22/2010 10:13 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29025.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 8:39 pm
Operator : JJL
Sample : 67834-2
Misc : 100,9.15,SOIL
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:13:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.353	212908	598921	72.385	75.881	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	72.39%	75.88%
	Target Compounds							
2) Z	2-Methylp...	2.003	2.010	6236	343	0.762	NoCal	#
3) TM	Methyl-t-...	2.194	2.176	117	530	NoCal	0.114	#
4) Z	2,2,4-Tri...	3.252	3.318	213	2983	0.028	NoCal	#
5) TM	Benzene	3.523	3.521	3630	2564	NoCal	0.197	#
6) TM	Toluene	4.887	4.884	1138	1621	NoCal	0.136	#
7) XH	C5-C8 ALI...	3.717	0.000	205766	0	28.092	N.D.	#
9) TM	Ethylbenzene	6.121	6.127	973	909	NoCal	0.083	#
10) TM	m,p-Xylene	6.189	6.189	1755	1620	NoCal	0.129	#
11) TM	o-Xylene	6.556	6.564	1074	1150	NoCal	0.103	#
12) Z	n-Decane	7.151	7.154	2308	583	0.335	NoCal	#
13) Z	n-Butylcy...	7.824	7.828	1254	633	0.170	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	48682	0	6.829	N.D.	#
15) ZM	1,2,4-Tri...	7.718	7.716	1516	1366	NoCal	0.116	#
16) XH	C9-C10 AR...	10.410	8.424	2	39565	NoCal	3.354	#
17) TM	Naphthalene	10.244	10.245	2003	2338	NoCal	0.229	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J912360

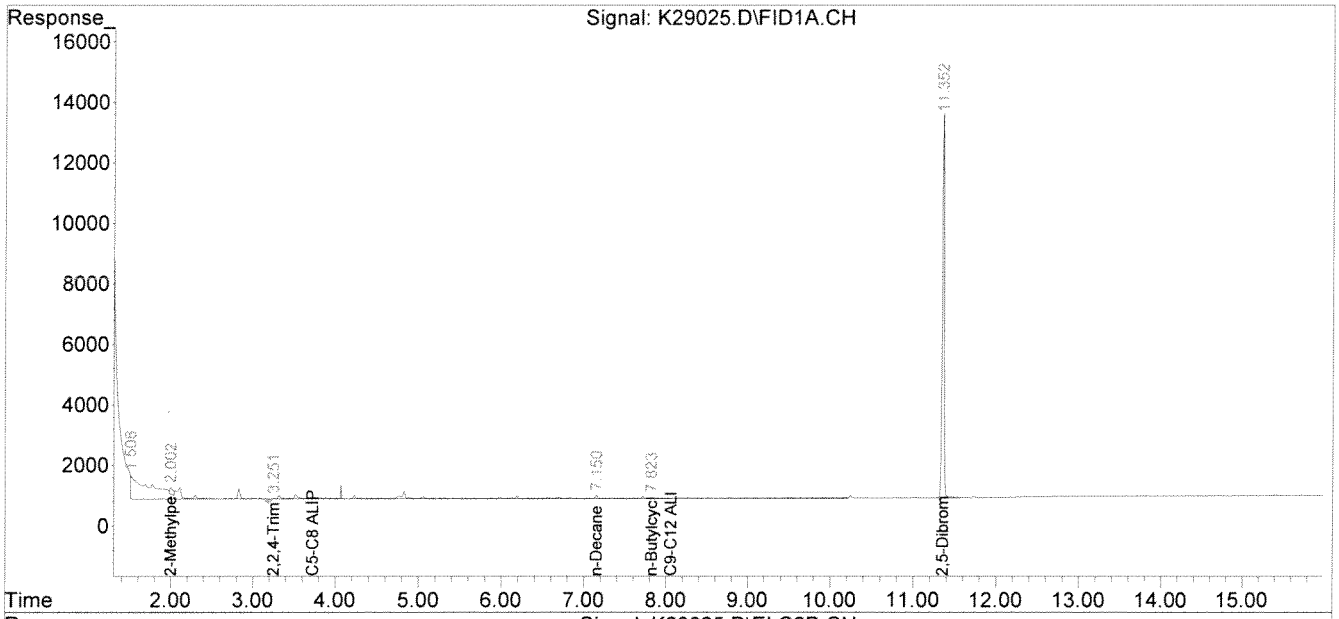
Quantitation Report (Not Reviewed)

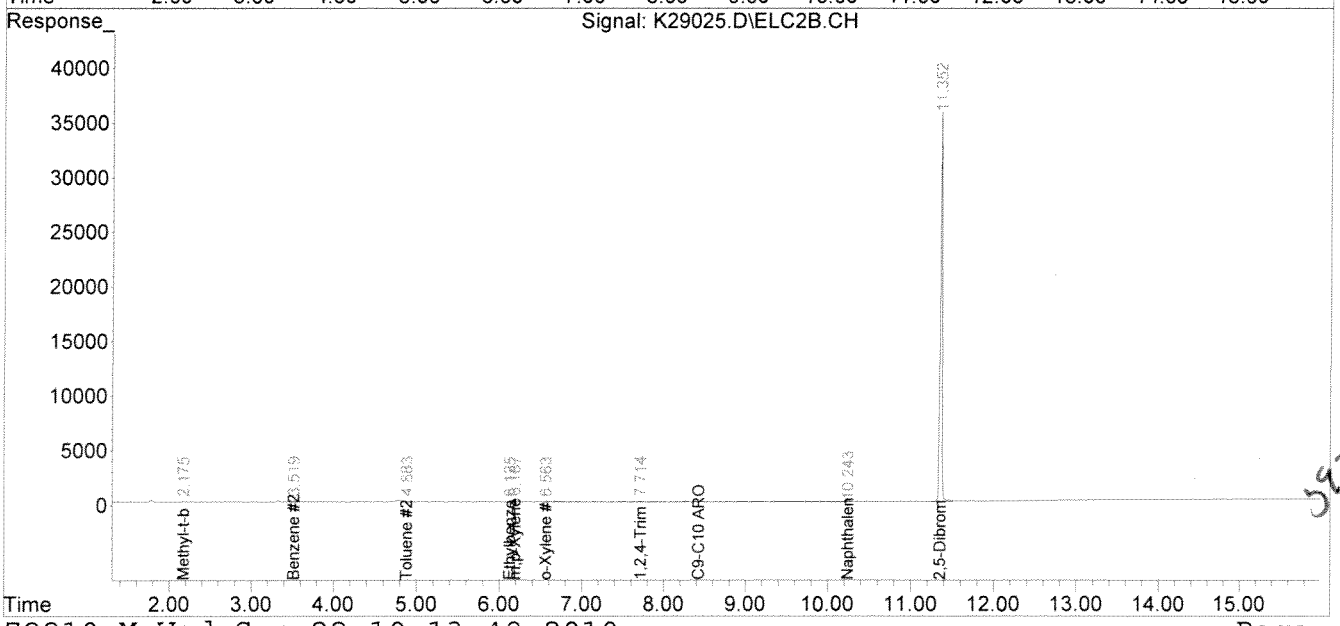
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29025.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 8:39 pm
Operator : JJL
Sample : 67834-2
Misc : 100,9.15,SOIL
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:13:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJ 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092310

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-03

SAMPLE DATA

Lab Sample ID: 67834-3
Matrix: Solid
Percent Solid: 94
Dilution Factor: 52
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2600	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2600	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	210	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2600	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2600	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	520	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				82
Surrogate % Recovery (2,5-Dibromotoluene) FID				78
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67834-3**
Data File Name	K29026.D
Date Acquired	9/21/2010 21:04 ✓
Misc Info	100,10.95,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.95
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9368** ✓
% Moisture (divided by 100)	0.0632
Vol. entrained water (mL)	0.6920
Total MeOH/water vol (mL)	10.6920
Dilution Factor	48.74
Moisture Corrected Dilution Factor	52.12

88 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2606	
Unadjusted C9-C12 Aliphatics	U		2606	
Benzene	U		104	
Ethylbenzene	U		104	
Methyl-t-butylether	U		104	
Naphthalene	U		104	
Toluene	U		104	ND
m,p-Xylenes	U		208	
o-Xylene	U		104	
C5-C8 Aliphatic Hydrocarbons	U		2606	
C9-C12 Aliphatic Hydrocarbons	U		2606	
C9-C10 Aromatic Hydrocarbons	U		521	
PID Surrogate % Recovery	82%		70-130%	PASS ✓
FID Surrogate % Recovery	78%		70-130%	PASS ✓

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	25.47 ✓	0.00	186529						0
C9-C12 ALIPHATICS	5.54 ✓	0.00	39521						0
2,5-Dibromotoluene	72.86		214311						
PID RESULTS									
Methyl-t-butylether #2	0.17	0.00	813	2.192	2.183	0.0477	OK	0.00	0
Benzene #2	0.16	0.00	2107	3.519	3.512	0.0380	OK	0.00	0
Toluene #2	0.10	0.00	1229	4.882	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.08	0.00	917	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.16	0.00	1957	6.188	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.11	0.00	1226	6.562	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.24	0.00	2484	10.245	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	3.28 ✓	0.00	38681						0
2,5-Dibromotoluene #2	76.69		605288						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

5/23/10

9/22/2010 10:14 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29026.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:04 pm
Operator : JJL
Sample : 67834-3
Misc : 100,10.95,SOIL
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:13:56 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gk 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18)	S 2,5-Dibro...	11.354	11.353	214311	605288	72.862	76.687	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	72.86%	76.69%
	Target Compounds							
2)	Z 2-Methylp...	2.002	2.013	6875	415	0.840	NoCal	#
3)	TM Methyl-t-...	2.200	2.192	73	813	NoCal	0.174	#
4)	Z 2,2,4-Tri...	3.320	3.265	2265	197	0.294	NoCal	#
5)	TM Benzene	3.522	3.519	2892	2107	NoCal	0.162	#
6)	TM Toluene	4.877	4.882	904	1229	NoCal	0.103	#
7)	XH C5-C8 ALI...	3.717	0.000	186529	0	25.466	N.D.	#
9)	TM Ethylbenzene	6.120	6.121	1340	917	NoCal	0.084	#
10)	TM m,p-Xylene	6.188	6.188	1745	1957	NoCal	0.156	#
11)	TM o-Xylene	6.560	6.562	1050	1226	NoCal	0.110	#
12)	Z n-Decane	7.152	7.158	2466	540	0.357	NoCal	#
13)	Z n-Butylcy...	7.824	7.830	1935	821	0.263	NoCal	#
14)	XH C9-C12 AL...	8.070	0.000	39521	0	5.544	N.D.	#
15)	ZM 1,2,4-Tri...	7.715	7.716	1608	1977	NoCal	0.168	#
16)	XH C9-C10 AR...	10.410	8.424	20	38681	NoCal	3.279	#
17)	TM Naphthalene	10.244	10.245	1774	2484	NoCal	0.244	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J92310

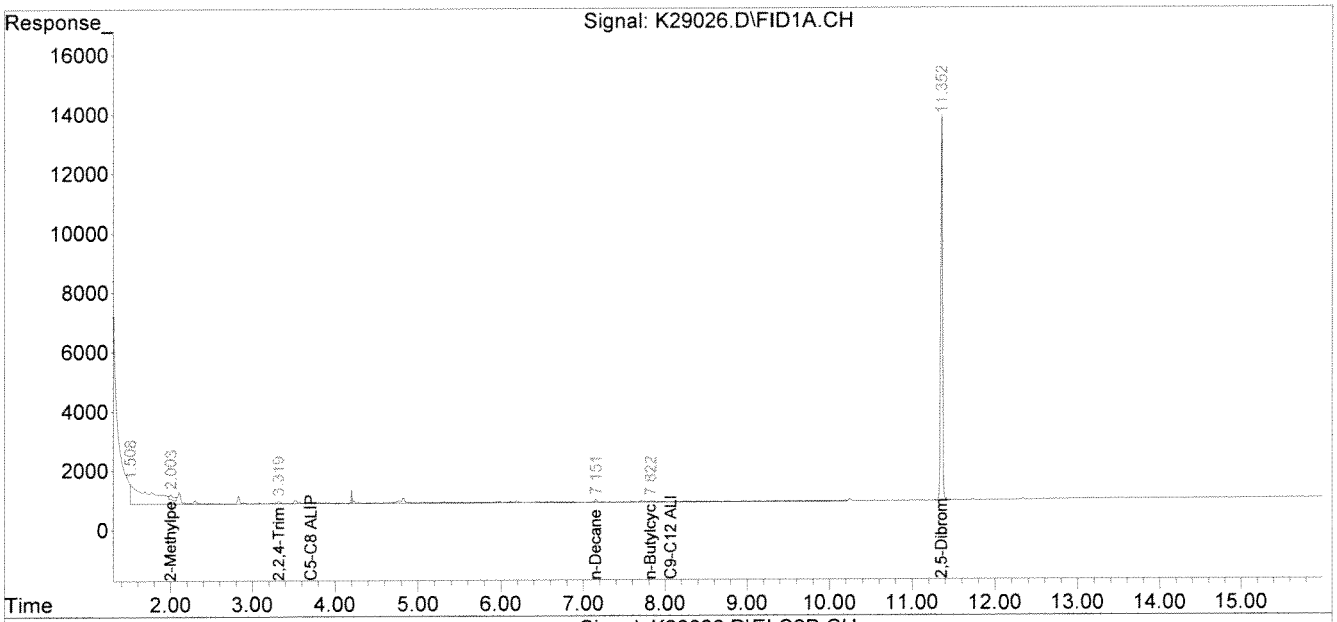
Quantitation Report (Not Reviewed)

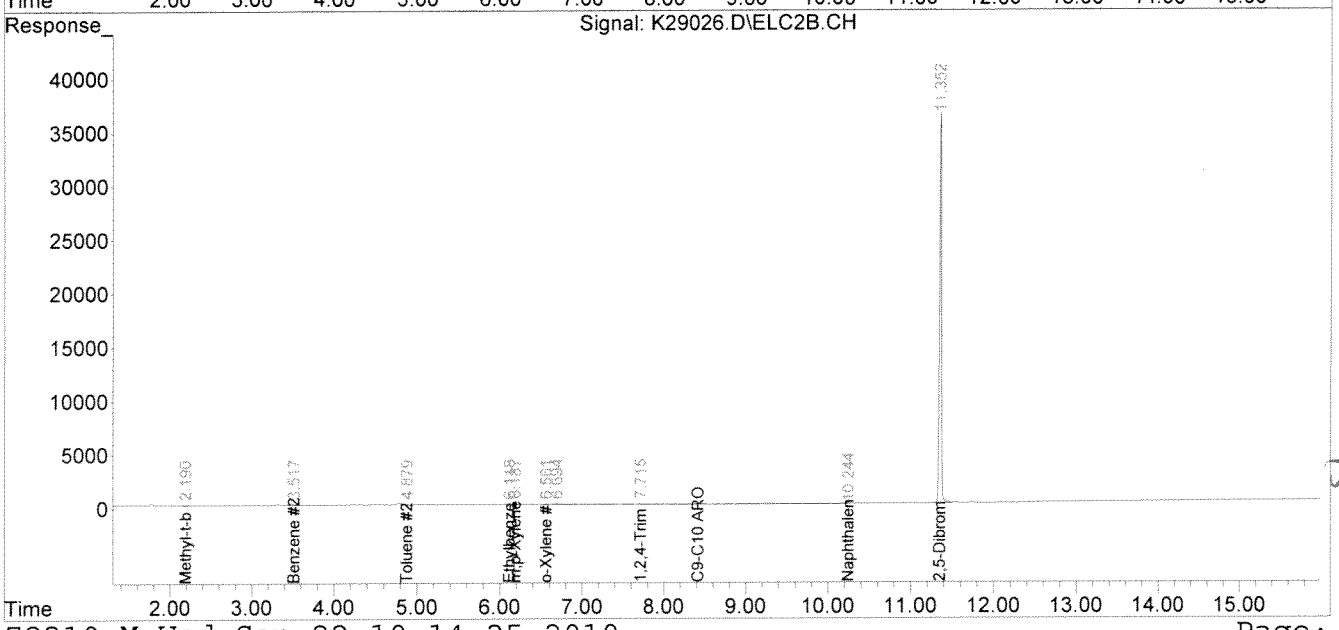
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29026.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:04 pm
Operator : JJL
Sample : 67834-3
Misc : 100,10.95,SOIL
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:13:56 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





D42340

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-04

SAMPLE DATA

Lab Sample ID: 67834-4
Matrix: Solid
Percent Solid: 95
Dilution Factor: 69
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3450	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3450	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	280	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3450	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3450	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	690	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				84
Surrogate % Recovery (2,5-Dibromotoluene) FID				79
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67834-4**
Data File Name	K29027.D
Date Acquired	9/21/2010 21:29
Misc Info	100,7.97,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	7.97
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9473**
% Moisture (divided by 100)	0.0527
Vol. entrained water (mL)	0.4200
Total MeOH/water vol (mL)	10.4200
Dilution Factor	66.23
Moisture Corrected Dilution Factor	69.01

gg 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3450	
Unadjusted C9-C12 Aliphatics	U		3450	
Benzene	U		138	
Ethylbenzene	U		138	
Methyl-t-butylether	U		138	
Naphthalene	U		138	ND
Toluene	U		138	
m,p-Xylenes	U		276	
o-Xylene	U		138	
C5-C8 Aliphatic Hydrocarbons	U		3450	
C9-C12 Aliphatic Hydrocarbons	U		3450	
C9-C10 Aromatic Hydrocarbons	U		690	
PID Surrogate % Recovery	84%		70-130%	PASS
FID Surrogate % Recovery	79%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	26.34	0.00	192941						0
C9-C12 ALIPHATICS	6.12	0.00	43657						0
2,5-Dibromotoluene	75.66		222549						
PID RESULTS									
Methyl-t-butylether #2	0.00	0.00	0	0.000	2.183	0.0477	*	0.00	0
Benzene #2	0.28	0.00	3611	3.523	3.512	0.0380	OK	0.00	0
Toluene #2	0.10	0.00	1160	4.886	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.16	0.00	1793	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.18	0.00	2256	6.185	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.15	0.00	1685	6.562	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.27	0.00	2725	10.245	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	2.85	0.00	33661						0
2,5-Dibromotoluene #2	80.19		632924						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29027.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:29 pm
Operator : JJL
Sample : 67834-4
Misc : 100,7.97,SOIL
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:14:29 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.353	222549	632924	75.663	80.189	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 75.66% 80.19%							
		Target Compounds							
2)	Z	2-Methylp...	2.002	2.007	7421	952	0.907	NoCal	#
4)	Z	2,2,4-Tri...	3.277	3.320	252	3960	0.033	NoCal	#
5)	TM	Benzene	3.521	3.523	2659	3611	NoCal	0.278	#
6)	TM	Toluene	4.879	4.886	714	1160	NoCal	0.097	#
7)	XH	C5-C8 ALI...	3.717	0.000	192941	0	26.341	N.D.	#
9)	TM	Ethylbenzene	6.121	6.121	708	1793	NoCal	0.164	#
10)	TM	m,p-Xylene	6.186	6.185	1581	2256	NoCal	0.180	#
11)	TM	o-Xylene	6.559	6.562	755	1685	NoCal	0.151	#
12)	Z	n-Decane	7.152	7.145	1452	752	0.210	NoCal	#
13)	Z	n-Butylcy...	7.818	7.827	882	445	0.120	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	43657	0	6.124	N.D.	#
15)	ZM	1,2,4-Tri...	7.713	7.719	1338	1454	NoCal	0.123	#
16)	XH	C9-C10 AR...	10.410	8.424	33	33661	NoCal	2.854	#
17)	TM	Naphthalene	10.244	10.245	1674	2725	NoCal	0.267	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

972310

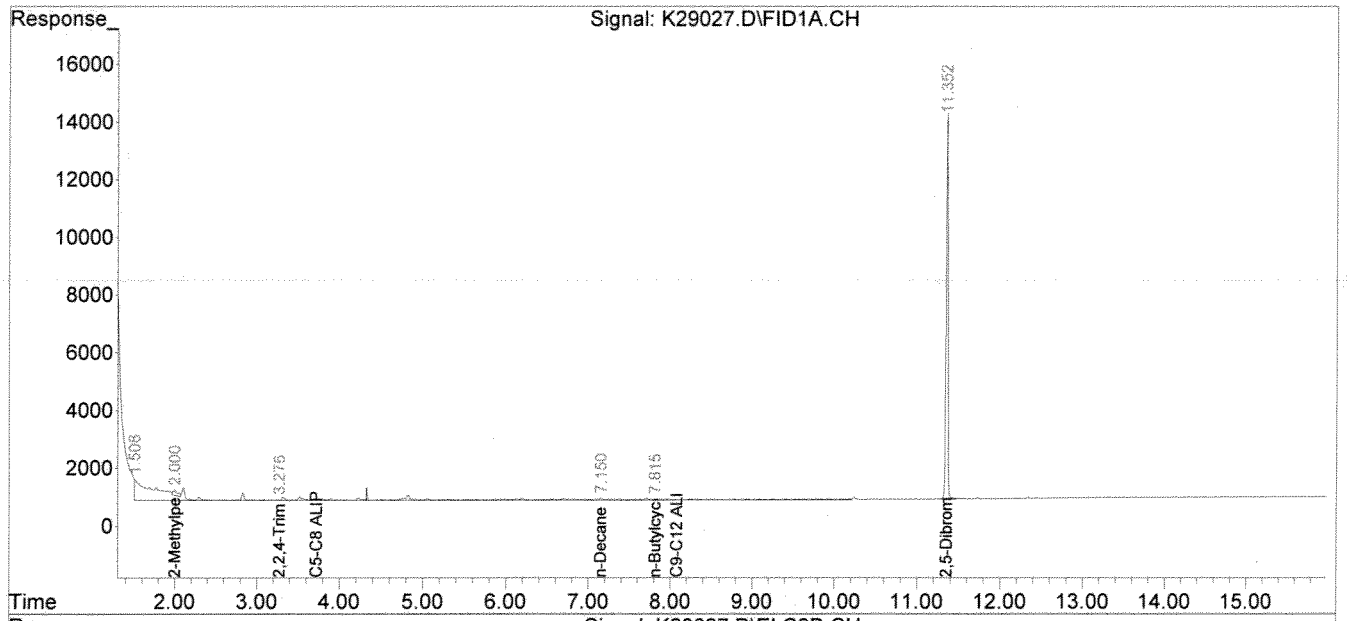
Quantitation Report (Not Reviewed)

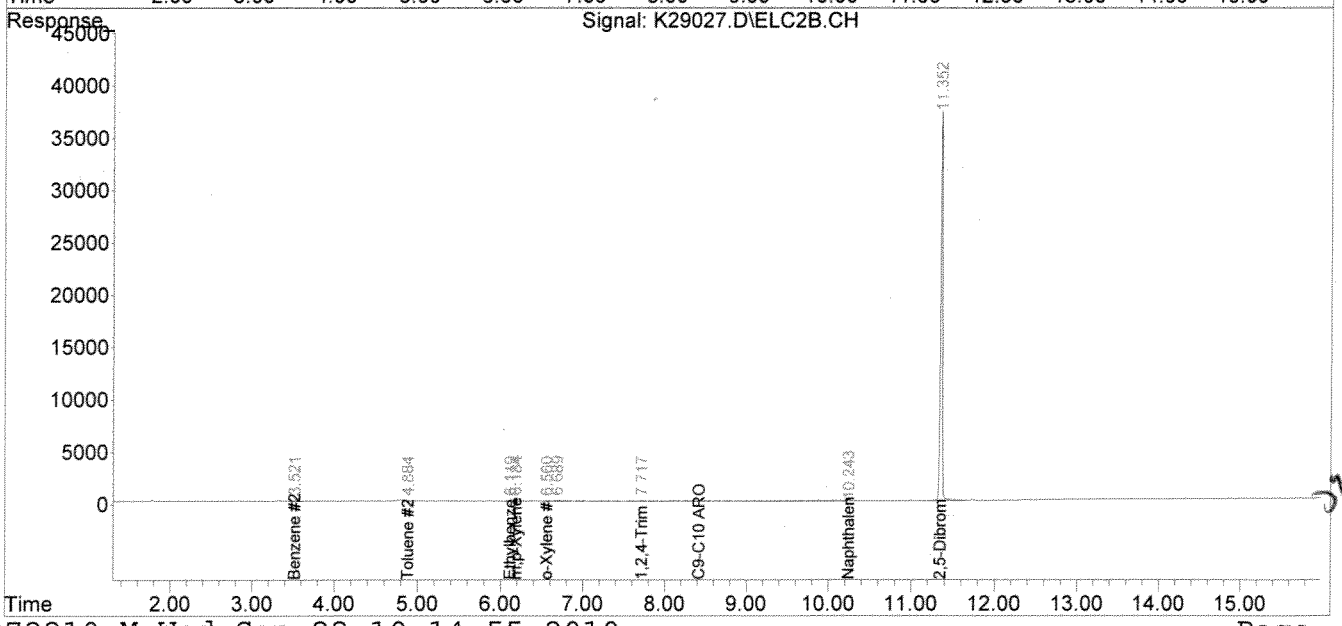
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29027.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:29 pm
Operator : JJL
Sample : 67834-4
Misc : 100,7.97,SOIL
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:14:29 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JJL 9/23/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-B-5

SAMPLE DATA

Lab Sample ID: 67834-5
Matrix: Solid
Percent Solid: 87
Dilution Factor: 76.5
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3830	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3830	µg/kg	**180000 E**
Benzene	C5-C8	150	µg/kg	U
Ethylbenzene	C9-C12	150	µg/kg	U
Methyl-tert-butyl ether	C5-C8	150	µg/kg	U
Naphthalene	N/A	150	µg/kg	**488**
Toluene	C5-C8	150	µg/kg	U
m- & p-Xylenes	C9-C12	310	µg/kg	U
o-Xylene	C9-C12	150	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3830	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3830	µg/kg	**110000 E**
C9-C10 Aromatic Hydrocarbons[1]	N/A	770	µg/kg	**69400 E**
Surrogate % Recovery (2,5-Dibromotoluene) PID				87
Surrogate % Recovery (2,5-Dibromotoluene) FID				81
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67834-5**
Data File Name	K29028.D
Date Acquired	9/21/2010 21:53
Misc Info	100,8.26,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	8.26
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.8734**
% Moisture (divided by 100)	0.1266
Vol. entrained water (mL)	1.0457
Total MeOH/water vol (mL)	11.0457
Dilution Factor	69.31
Moisture Corrected Dilution Factor	76.55

88 9/23/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3828	
Unadjusted C9-C12 Aliphatics	179639 E		3828	
Benzene	U		153	
Ethylbenzene	U		153	
Methyl-t-butylether	U		153	
Naphthalene	488		153	
Toluene	U		153	
m,p-Xylenes	U		306	
o-Xylene	U		153	
C5-C8 Aliphatic Hydrocarbons	U		3828	
C9-C12 Aliphatic Hydrocarbons	110256 E		3828	
C9-C10 Aromatic Hydrocarbons	69383 E		766	
PID Surrogate % Recovery	87%		70-130%	PASS
FID Surrogate % Recovery	81%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	22.36	0.00	163747						0
C9-C12 ALIPHATICS	2346.55 E	179639.18	16728562						179639
2,5-Dibromotoluene	73.47		216098						
PID RESULTS									
Methyl-t-butylether #2	0.07	0.00	306	2.183	2.183	0.0477	OK	0.00	0
Benzene #2	0.18	0.00	2394	3.523	3.512	0.0380	OK	0.00	0
Toluene #2	0.10	0.00	1135	4.882	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.82	0.00	8943	6.106	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.39	0.00	4848	6.167	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.41	0.00	4642	6.569	6.561	0.0344	OK	0.00	0
Naphthalene #2	6.37	487.50	64906	10.227	10.248	0.0344	OK	487.50	488
C9-C10 AROMATICS #2	906.33 E	69383.47	10691034						69383
2,5-Dibromotoluene #2	78.66		620844						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									110256

9-23-10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29028.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:53 pm
Operator : JJL
Sample : 67834-5
Misc : 100,8.26,SOIL
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:01:01 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.354	11.353	216098	620844	73.469m	78.658m
	Spiked Amount 100.000 Range 70 - 130 Recovery = 73.47% 78.66%						
	Target Compounds						
2) Z	2-Methylp...	2.002	2.012	2923	914	0.357	NoCal #
3) TM	Methyl-t-...	0.000	2.183	0	306	N.D.	0.066 #
4) Z	2,2,4-Tri...	3.277	3.323	1650	2010	0.214	NoCal #
5) TM	Benzene	3.522	3.523	2620	2394	NoCal	0.184 #
6) TM	Toluene	4.883	4.882	950	1135	NoCal	0.095 #
7) XH	C5-C8 ALI...	3.717	0.000	163747	0	22.356	N.D. #
9) TM	Ethylbenzene	6.107	6.106	16958	8943	NoCal	0.818 #
10) TM	m,p-Xylene	6.160	6.167	11603	4848	NoCal	0.386 #
11) TM	o-Xylene	6.572	6.569	9741	4642	NoCal	0.415 #
12) Z	n-Decane	7.204	7.163	130315	41738	18.895m	NoCal m#
13) Z	n-Butylcy...	7.841	7.841	34674	16164	4.710m	NoCal m#
14) XH	C9-C12 AL...	10.120f	0.000	16728562	0	2346.553	N.D. #
15) ZM	1,2,4-Tri...	7.721	7.720	125811	47647	NoCal m	4.039m#
16) XH	C9-C10 AR...	10.410	8.424	3232	10691034	NoCal	906.328 #
17) TM	Naphthalene	10.233	10.227	94890	64906	NoCal m	6.368m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

092310

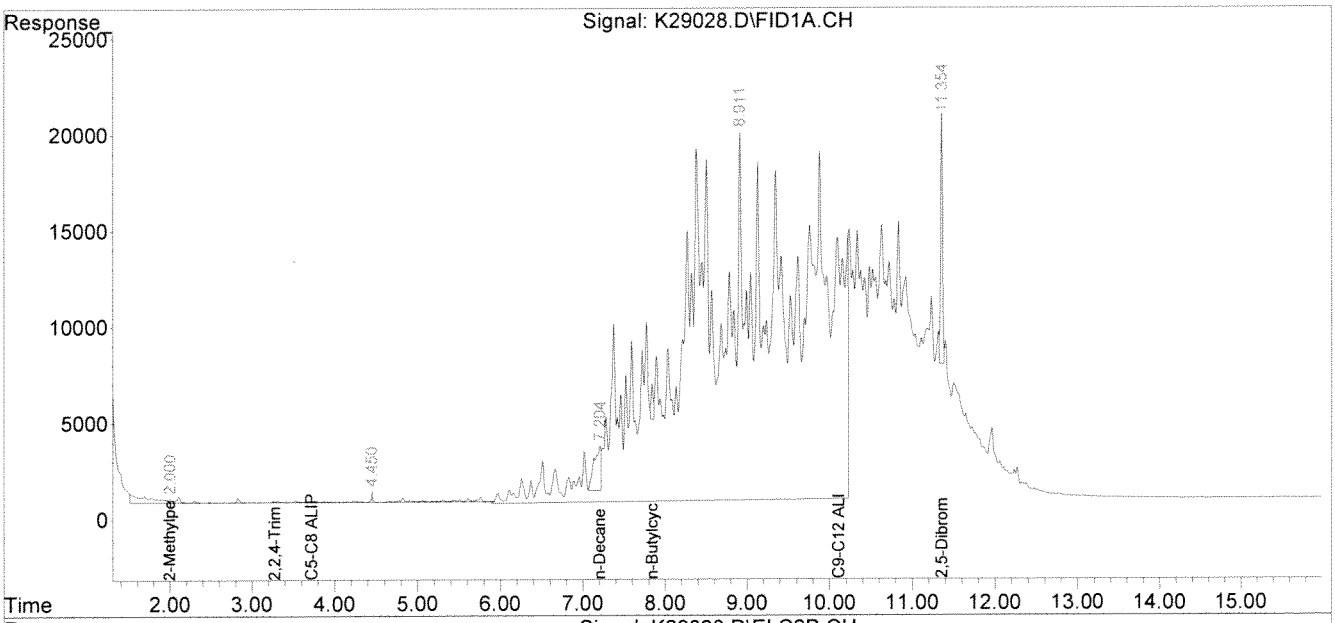
Quantitation Report (QT Reviewed)

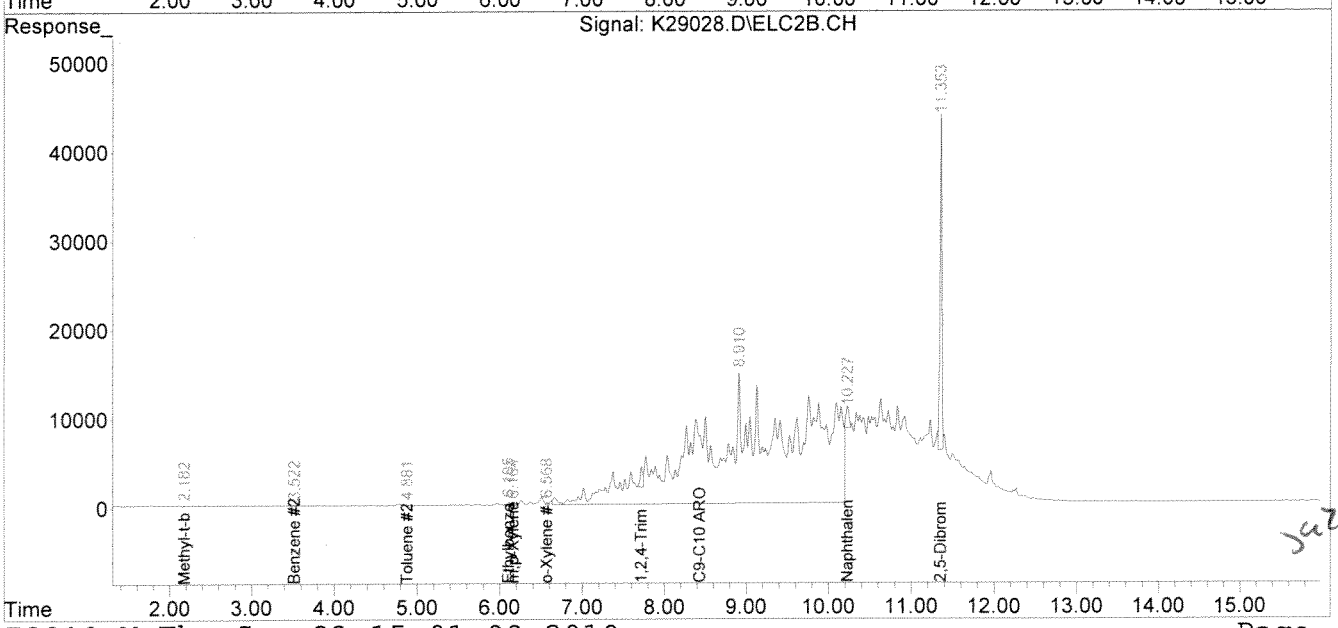
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29028.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:53 pm
Operator : JJL
Sample : 67834-5
Misc : 100,8.26,SOIL
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 15:01:01 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JJL 23/10

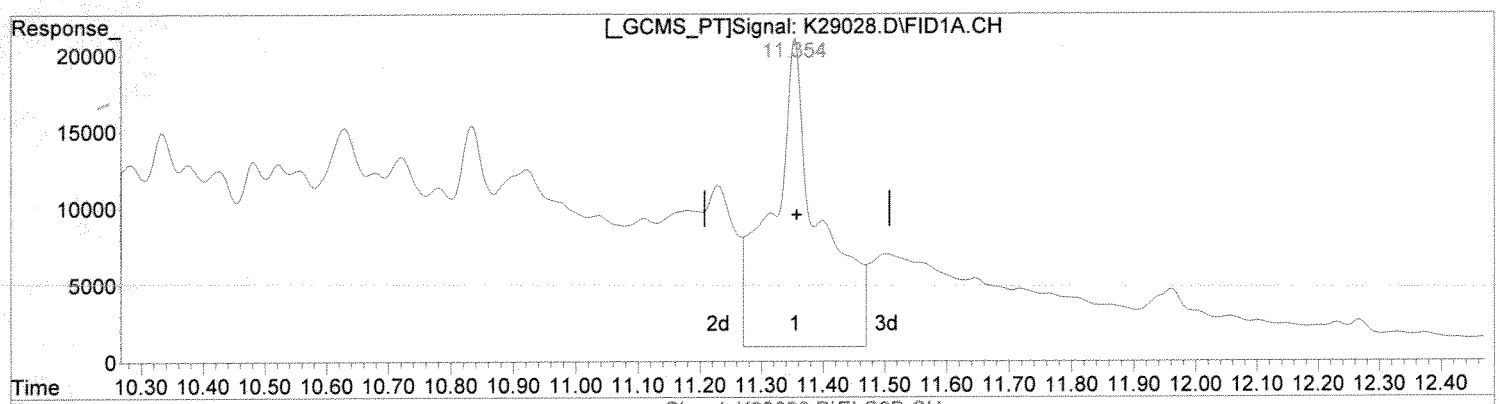
Quantitation Report (Qedit)

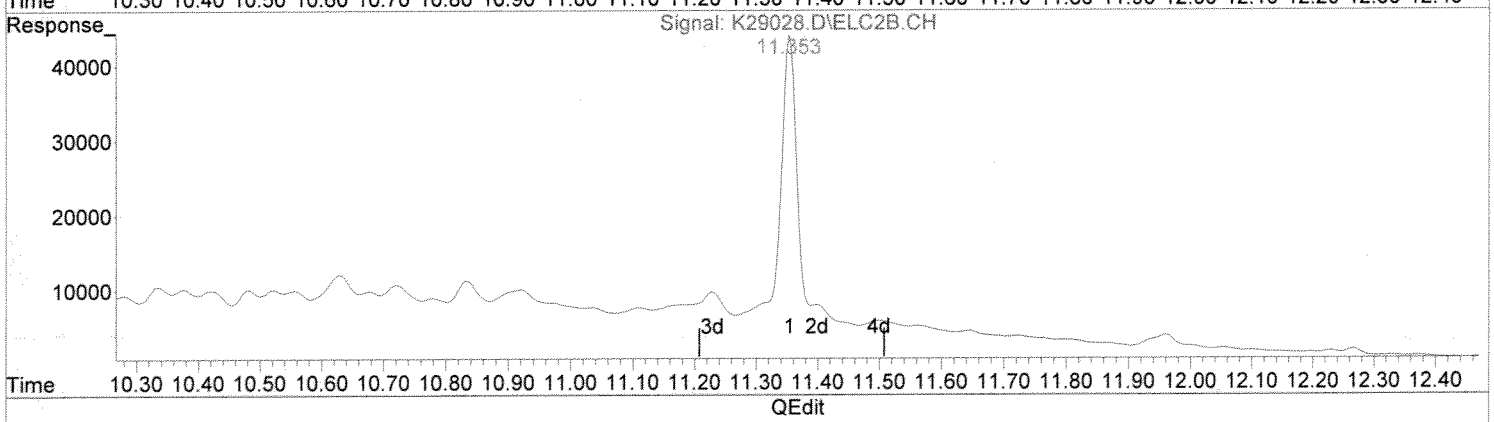
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29028.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:53 pm
Operator : JJL
Sample : 67834-5
Misc : 100,8.26,SOIL
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:16:01 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10 ★E.A.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(18) 2,5-Dibromotoluene (S)
11.355min 364.220ug/L
response 1071291

(18) 2,5-Dibromotoluene #2 (S)
11.354min 139.853ug/L
response 1103849

592310

(+) = Expected Retention Time

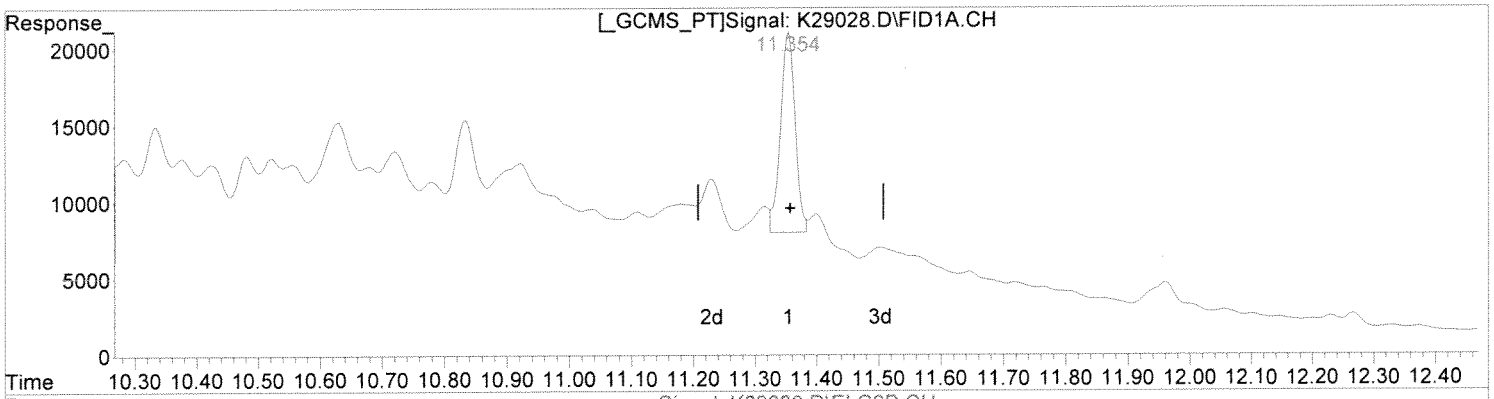
Quantitation Report (Qedit)

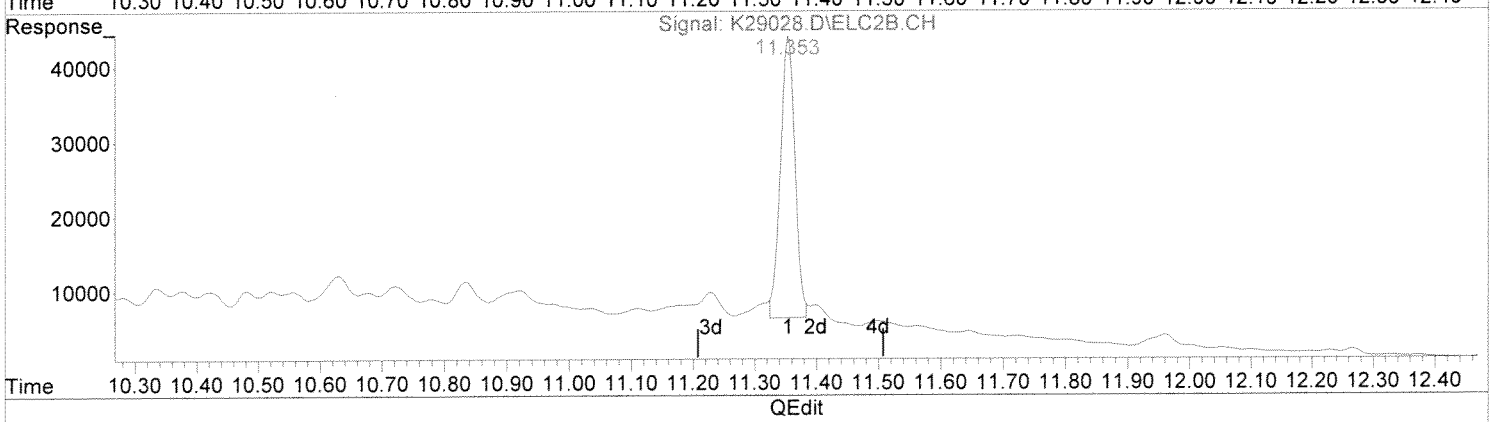
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29028.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:53 pm
Operator : JJL
Sample : 67834-5
Misc : 100,8.26,SOIL
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:16:01 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

98 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(18) 2,5-Dibromotoluene (S)
11.354min 73.469ug/L m
response 216098

(18) 2,5-Dibromotoluene #2 (S)
11.353min 78.658ug/L m
response 620844

J92360

(+) = Expected Retention Time

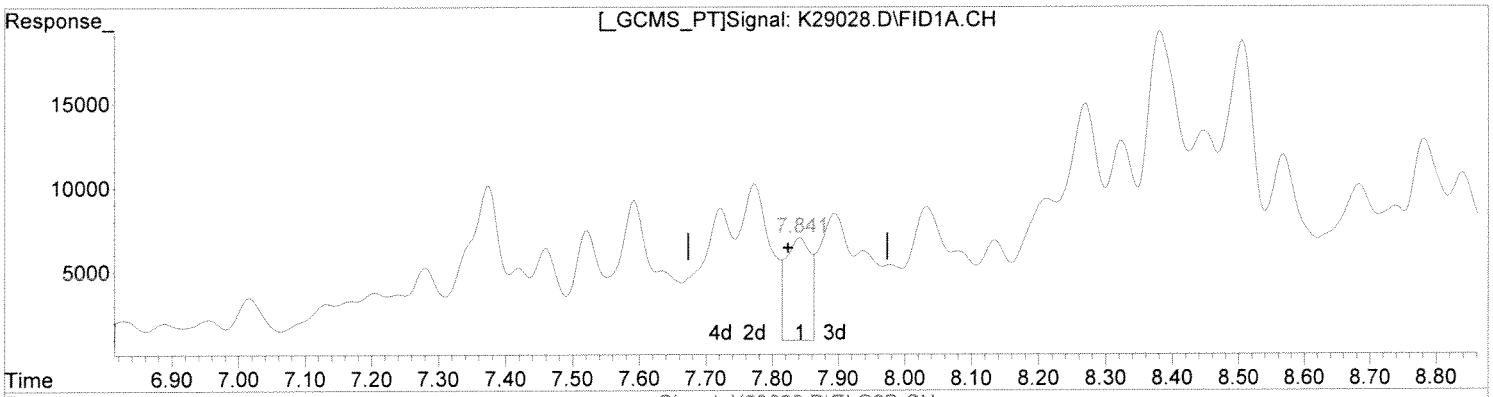
Quantitation Report (Qedit)

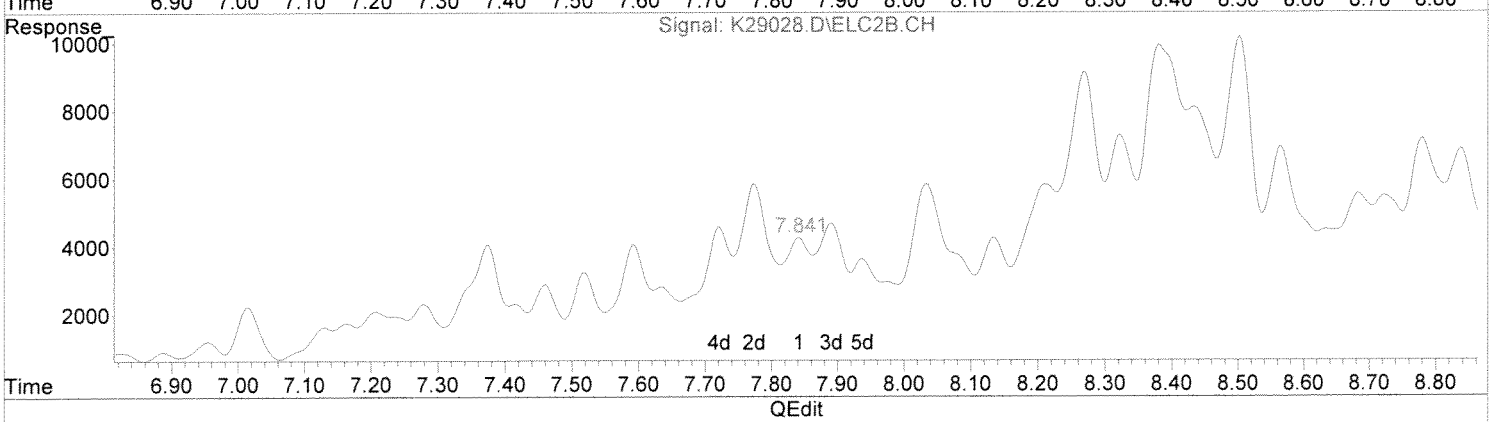
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29028.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:53 pm
Operator : JJL
Sample : 67834-5
Misc : 100,8.26,SOIL
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:57:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10
★E.A.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(13) n-Butylcyclohexane (Z)
7.842min 21.309ug/L
response 156862

592300

(13) n-Butylcyclohexane #2 (Z)
7.842min 0.000ug/L
response 104003

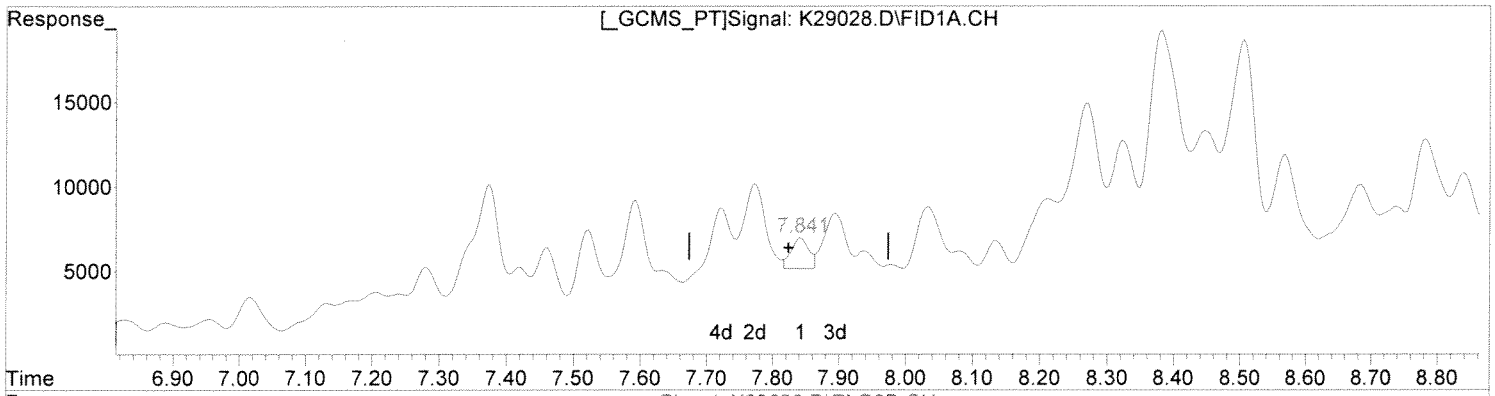
(+) = Expected Retention Time

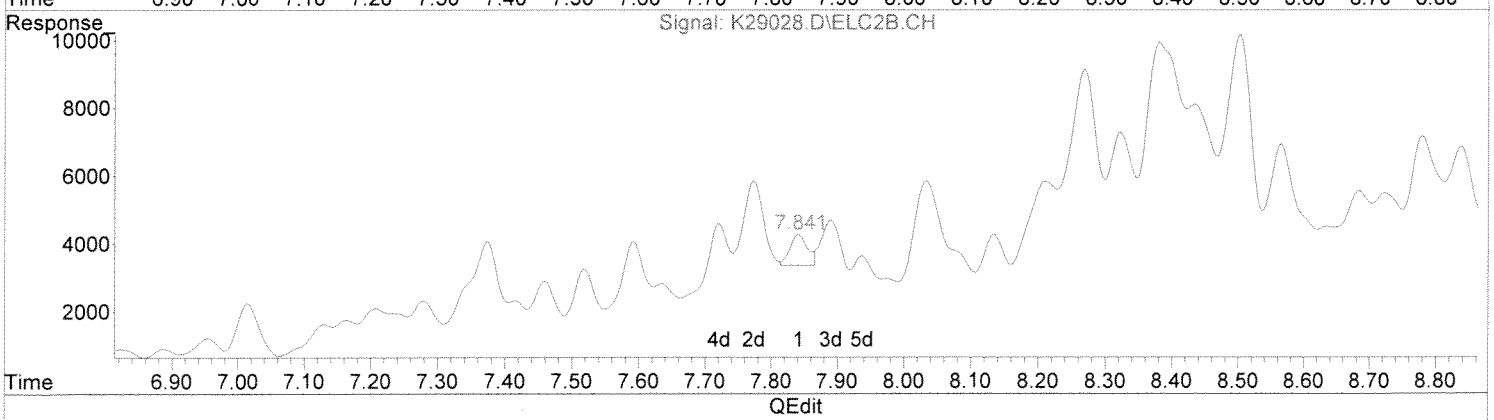
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29028.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:53 pm
Operator : JJL
Sample : 67834-5
Misc : 100,8.26,SOIL
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:57:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(13) n-Butylcyclohexane (Z)
7.841min 4.710ug/L m
response 34674

(13) n-Butylcyclohexane #2 (Z)
7.841min 0.000ug/L m
response 16164

(+) = Expected Retention Time

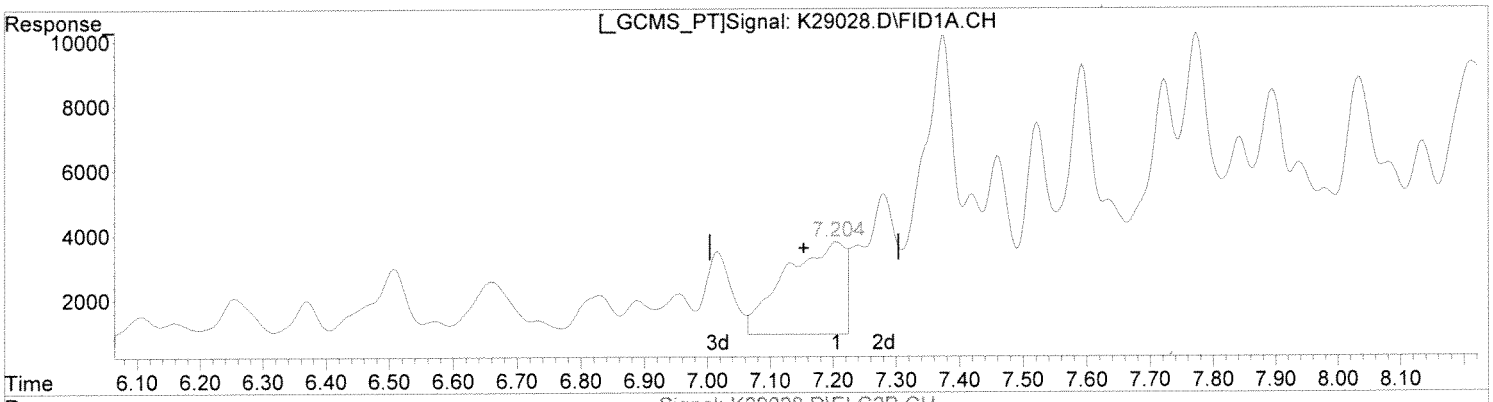
Quantitation Report (Qedit)

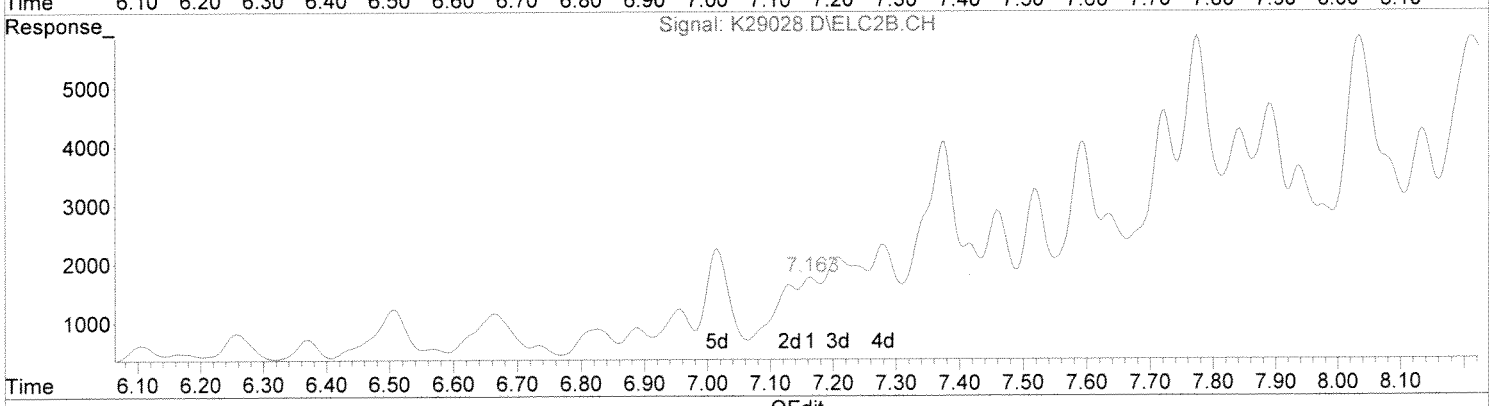
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29028.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:53 pm
Operator : JJL
Sample : 67834-5
Misc : 100,8.26,SOIL
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:57:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10
★E.A.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(12) n-Decane (Z)
7.206min 27.190ug/L
response 187520

(12) n-Decane #2 (Z)
7.164min 0.000ug/L
response 28713

092310

(+) = Expected Retention Time

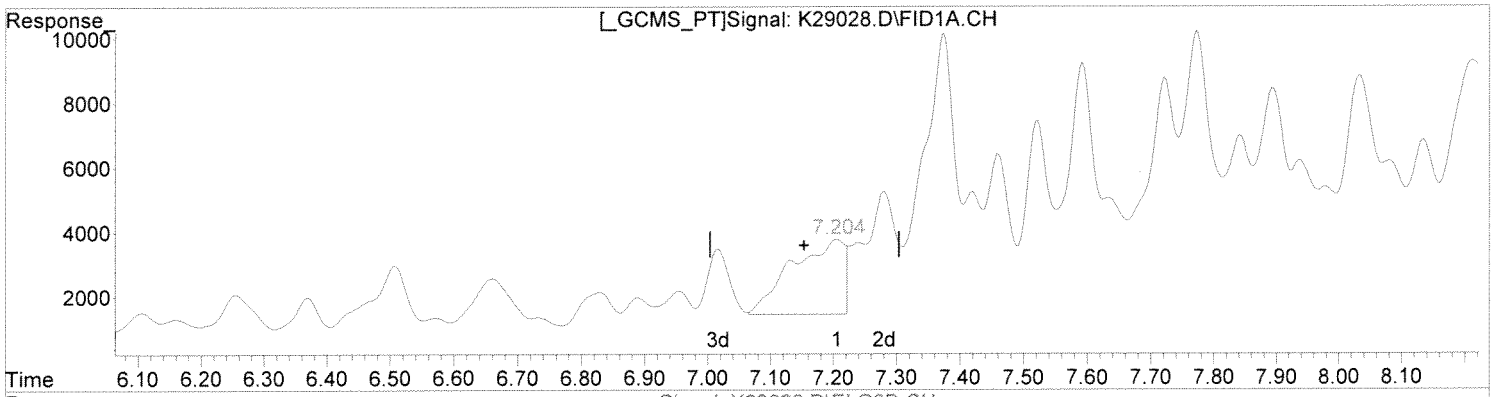
Quantitation Report (Qedit)

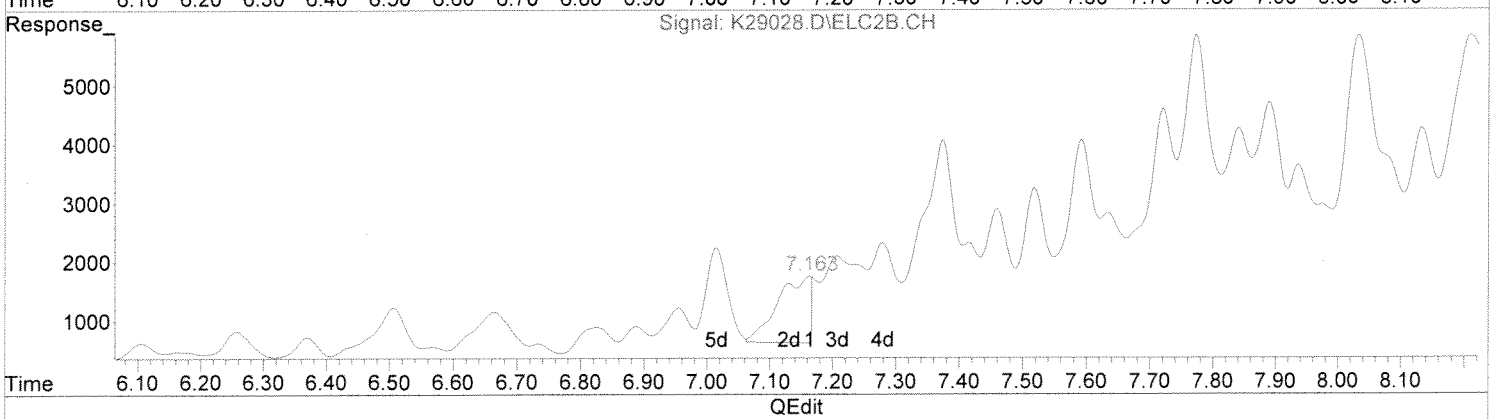
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29028.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:53 pm
Operator : JJL
Sample : 67834-5
Misc : 100,8.26,SOIL
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:57:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(12) n-Decane (Z)
7.204min 18.895ug/L m
response 130315

(12) n-Decane #2 (Z)
7.163min 0.000ug/L m
response 41738

9/23/10

(+) = Expected Retention Time

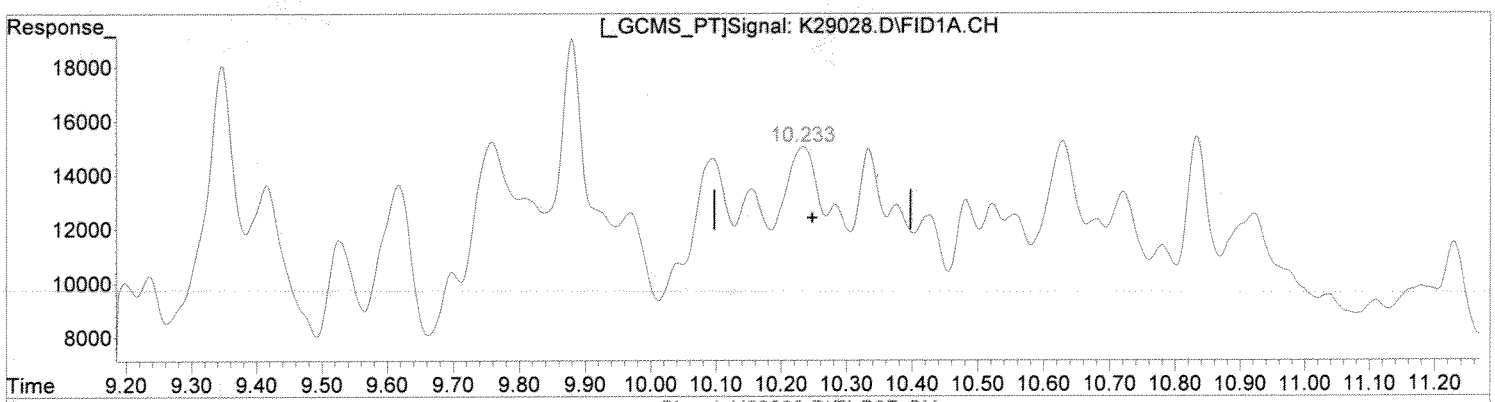
Quantitation Report (Qedit)

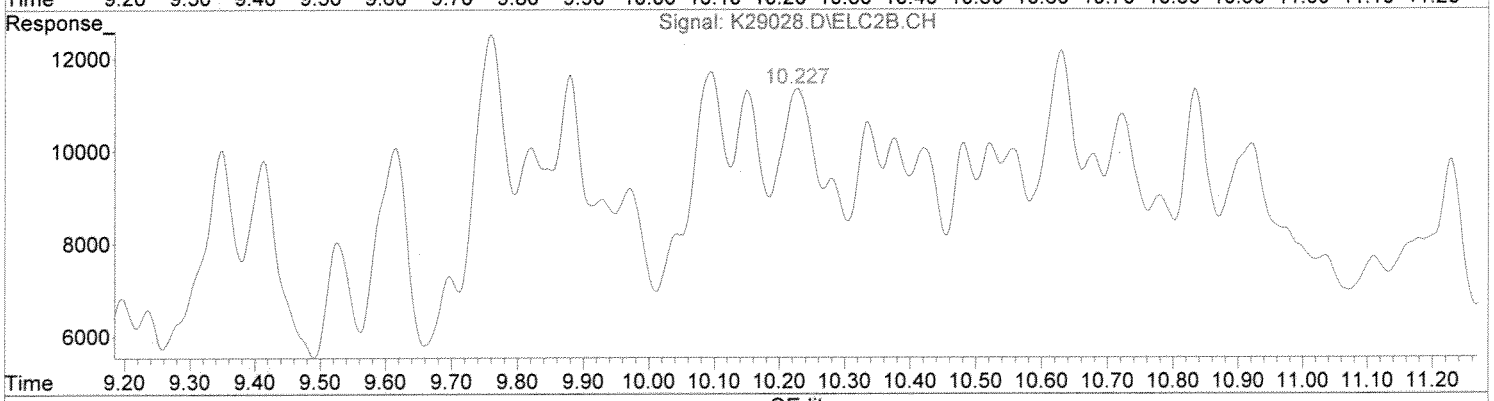
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29028.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:53 pm
Operator : JJL
Sample : 67834-5
Misc : 100,8.26,SOIL
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:57:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

98 9/23/10
* m.p.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(17) Naphthalene (TM)
10.234min 0.000ug/L
response 644119

(17) Naphthalene #2 (TM)
10.228min 47.800ug/L
response 487198

>9.23.10

(+) = Expected Retention Time

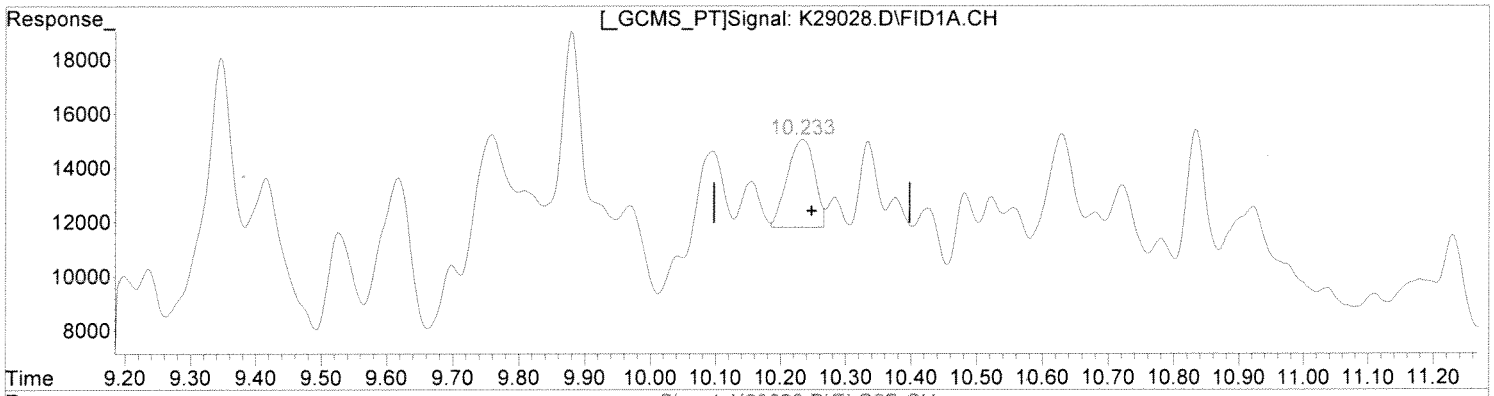
Quantitation Report (Qedit)

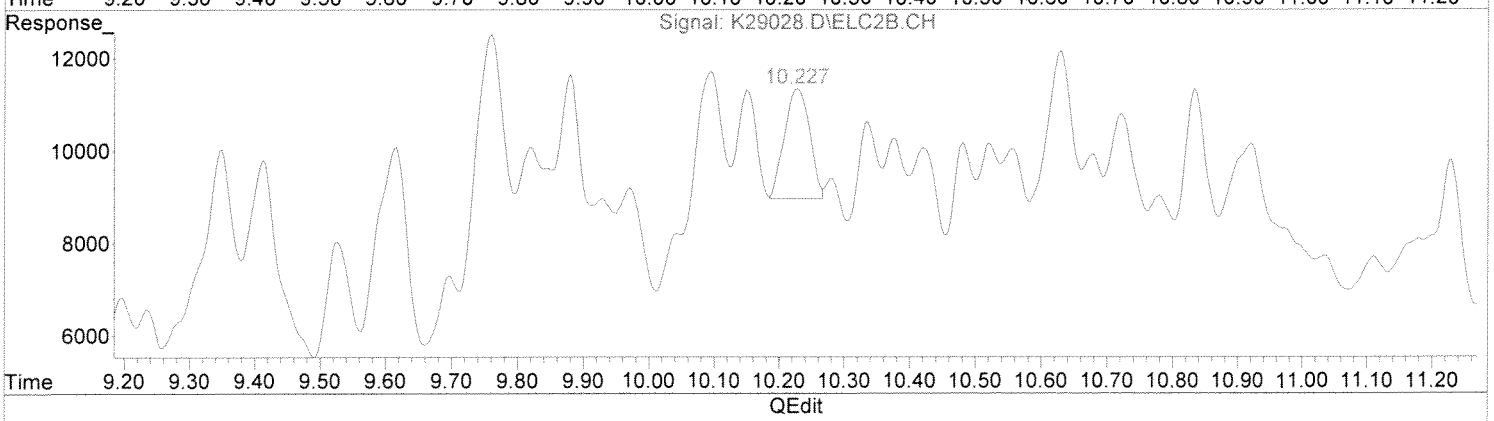
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29028.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:53 pm
Operator : JJL
Sample : 67834-5
Misc : 100,8.26,SOIL
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:57:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(17) Naphthalene (TM)
10.233min 0.000ug/L m
response 94890

(17) Naphthalene #2 (TM)
10.227min 6.368ug/L m
response 64906

>92310

(+) = Expected Retention Time

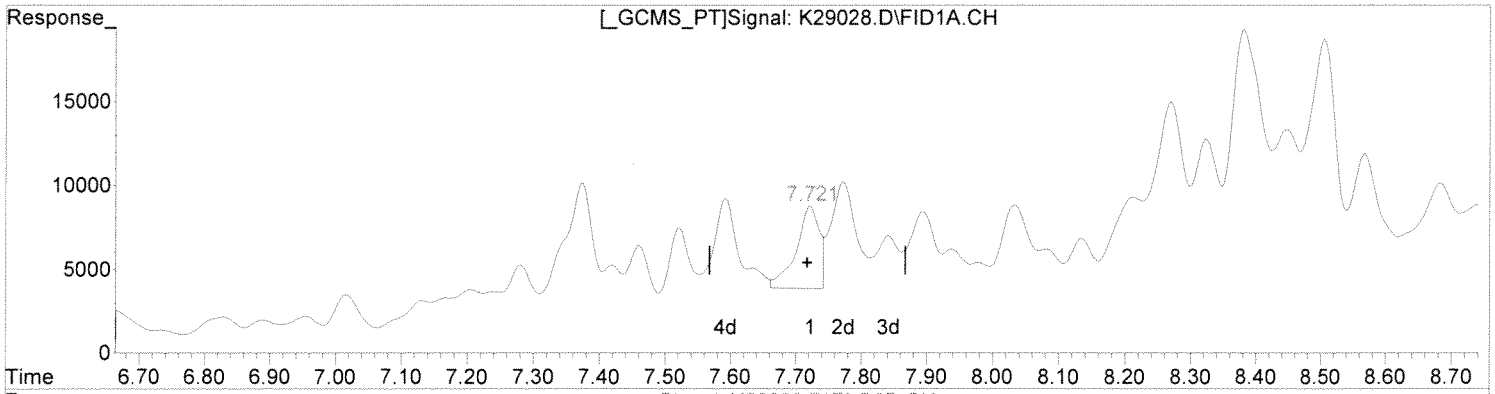
Quantitation Report (Qedit)

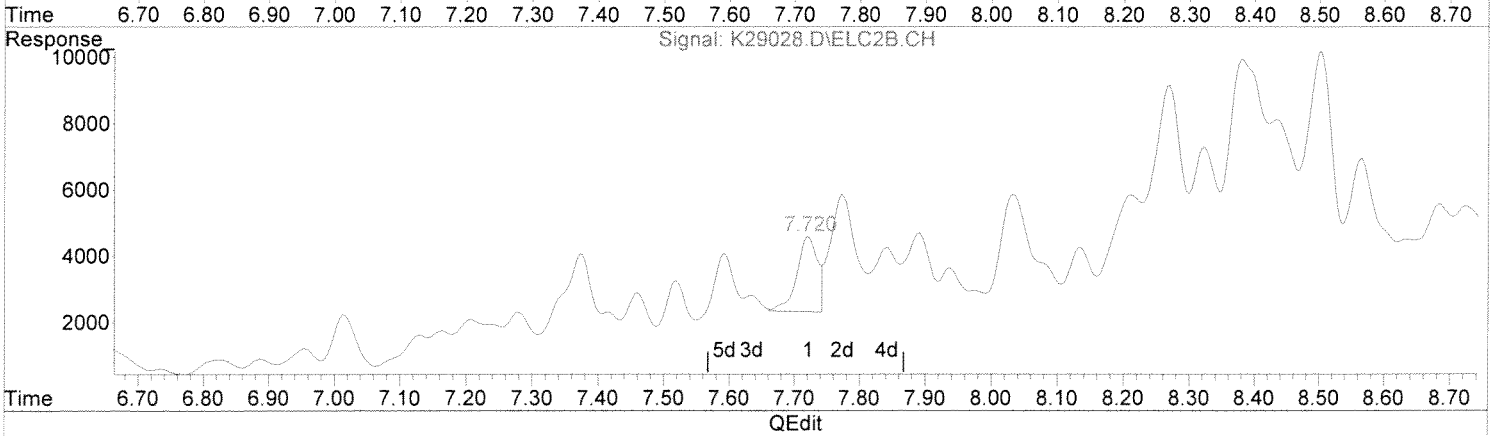
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29028.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:53 pm
Operator : JJL
Sample : 67834-5
Misc : 100,8.26,SOIL
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 14:57:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10
* E.A.
no Before

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





(15) 1,2,4-Trimethylbenzene (ZM)
7.721min 0.000ug/L m
response 125811

(15) 1,2,4-Trimethylbenzene #2 (ZM)
7.720min 4.039ug/L m
response 47647

392310

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-B-5

SAMPLE DATA

Lab Sample ID: 67834-5 DL
Matrix: Solid
Percent Solid: 87
Dilution Factor: 383
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	19200	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	19200	µg/kg	**160000**
Benzene	C5-C8	770	µg/kg	U
Ethylbenzene	C9-C12	770	µg/kg	U
Methyl-tert-butyl ether	C5-C8	770	µg/kg	U
Naphthalene	N/A	770	µg/kg	U
Toluene	C5-C8	770	µg/kg	U
m- & p-Xylenes	C9-C12	1530	µg/kg	U
o-Xylene	C9-C12	770	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	19200	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	19200	µg/kg	**92700**
C9-C10 Aromatic Hydrocarbons[1]	N/A	3830	µg/kg	**67500**
Surrogate % Recovery (2,5-Dibromotoluene) PID				95
Surrogate % Recovery (2,5-Dibromotoluene) FID				85
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VPH SOIL REPORT

Sample Name	**67834-5,5X**
Data File Name	K29056.D
Date Acquired	9/22/2010 15:11
Misc Info	20,8.26,SOIL
Vol. MeOH Analyzed (uL)	20
Soil Weight (g)	8.26
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.8734**
% Moisture (divided by 100)	0.1266
Vol. entrained water (mL)	1.0457
Total MeOH/water vol (mL)	11.0457
Dilution Factor	346.53
Moisture Corrected Dilution Factor	382.77

9/23/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		19139	
Unadjusted C9-C12 Aliphatics	160226		19139	
Benzene	U		766	
Ethylbenzene	U		766	
Methyl-t-butylether	U		766	
Naphthalene	U		766	
Toluene	U		766	
m,p-Xylenes	U		1531	
o-Xylene	U		766	
C5-C8 Aliphatic Hydrocarbons	U		19139	
C9-C12 Aliphatic Hydrocarbons	92691		19139	
C9-C10 Aromatic Hydrocarbons	67535		3828	
PID Surrogate % Recovery	95%		70-130%	PASS
FID Surrogate % Recovery	85%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	17.92	0.00	131265						0
C9-C12 ALIPHATICS	418.59	160225.97	2984149						160226
2,5-Dibromotoluene	15.31		45044						
PID RESULTS									
Methyl-t-butylether #2	0.78	0.00	3645	2.216	2.183	0.0477	OK	0.00	0
Benzene #2	0.28	0.00	3649	3.514	3.512	0.0380	OK	0.00	0
Toluene #2	0.55	0.00	6619	4.879	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.57	0.00	6210	6.115	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.61	0.00	7613	6.188	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.55	0.00	6139	6.563	6.561	0.0344	OK	0.00	0
Naphthalene #2	1.72	0.00	17572	10.233	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	176.44	67534.60	2081230						67535
2,5-Dibromotoluene #2	17.14		135278						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									92691

9-23-10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:33:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.353	11.353	45044	135278	15.314m	17.139m
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	15.31%# 17.14%#
	Target Compounds						
2) Z	2-Methylp...	2.001	2.001	1451	2162	0.177	NoCal #
3) TM	Methyl-t-...	2.179	2.216	404	3645	NoCal	0.782 #
4) Z	2,2,4-Tri...	3.267	3.299	728	3055	0.094	NoCal #
5) TM	Benzene	3.523	3.514	2014	3649	NoCal	0.280 #
6) TM	Toluene	4.885	4.879	1533	6619	NoCal	0.555 #
7) XH	C5-C8 ALI...	3.717	0.000	131265	0	17.921	N.D. #
9) TM	Ethylbenzene	6.114	6.115	6512	6210	NoCal	0.568 #
10) TM	m,p-Xylene	6.187	6.188	4919	7613	NoCal	0.607 #
11) TM	o-Xylene	6.564	6.563	3770	6139	NoCal	0.549 #
12) Z	n-Decane	7.155	7.164	19769	607	2.866m	NoCal m#
13) Z	n-Butylcy...	7.837	7.838	6276	4663	0.853m	NoCal m#
14) XH	C9-C12 AL...	10.120f	0.000	2984149	0	418.593	N.D. #
15) ZM	1,2,4-Tri...	7.720	7.719	21414	14337	NoCal m	1.215m#
16) XH	C9-C10 AR...	10.410	8.424	302	2081230	NoCal	176.435 #
17) TM	Naphthalene	10.233	10.233	21315	17572	NoCal m	1.724m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

592360

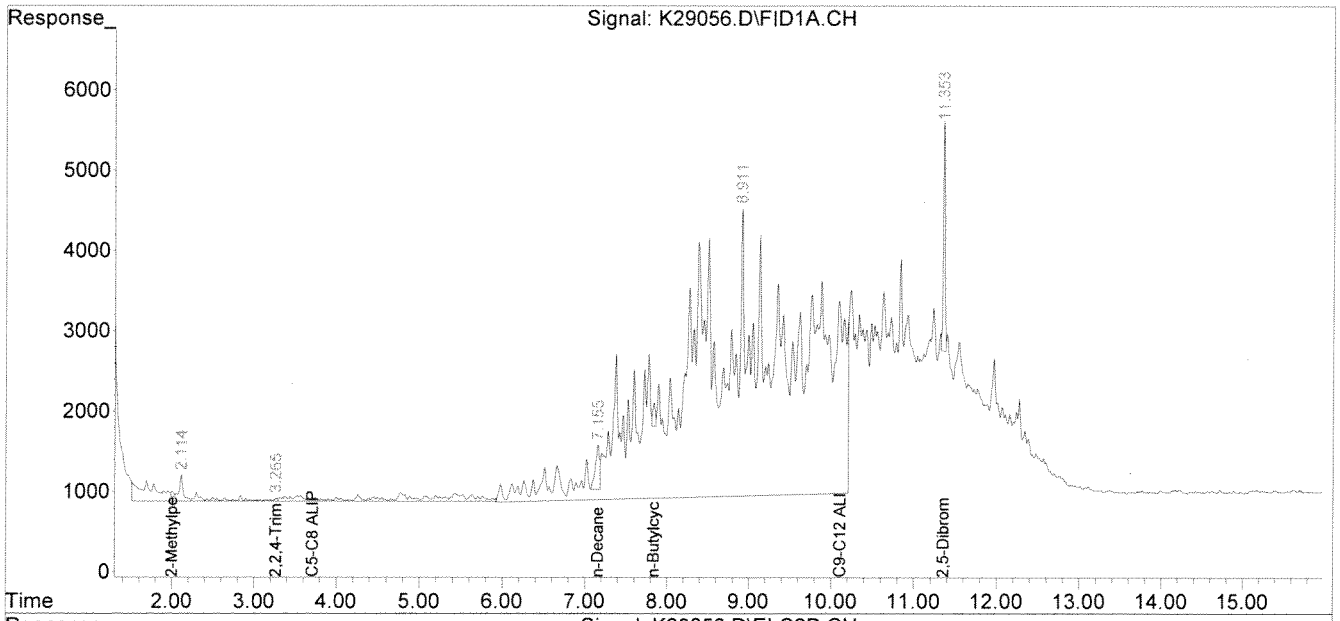
Quantitation Report (QT Reviewed)

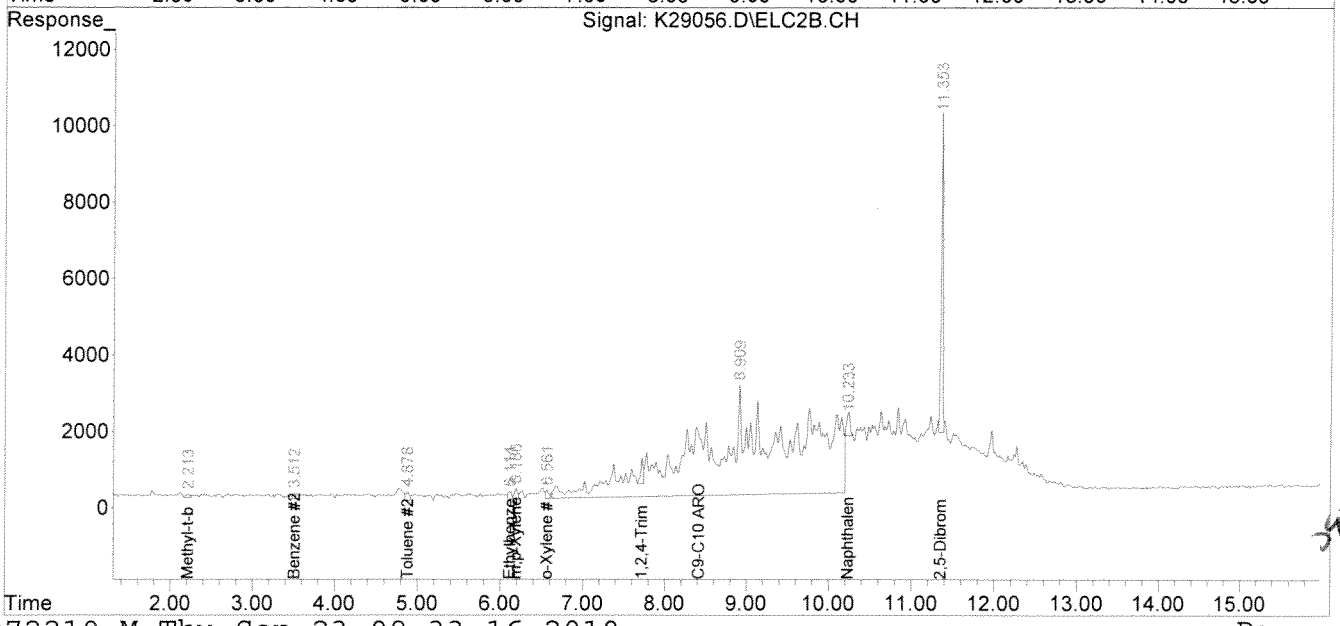
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:33:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





592300

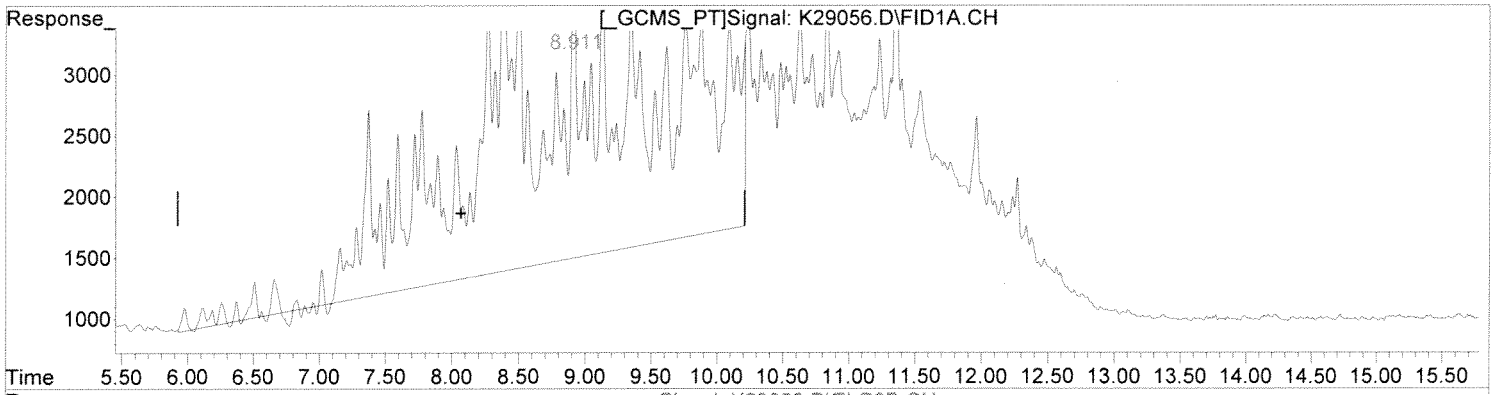
Quantitation Report (Qedit)

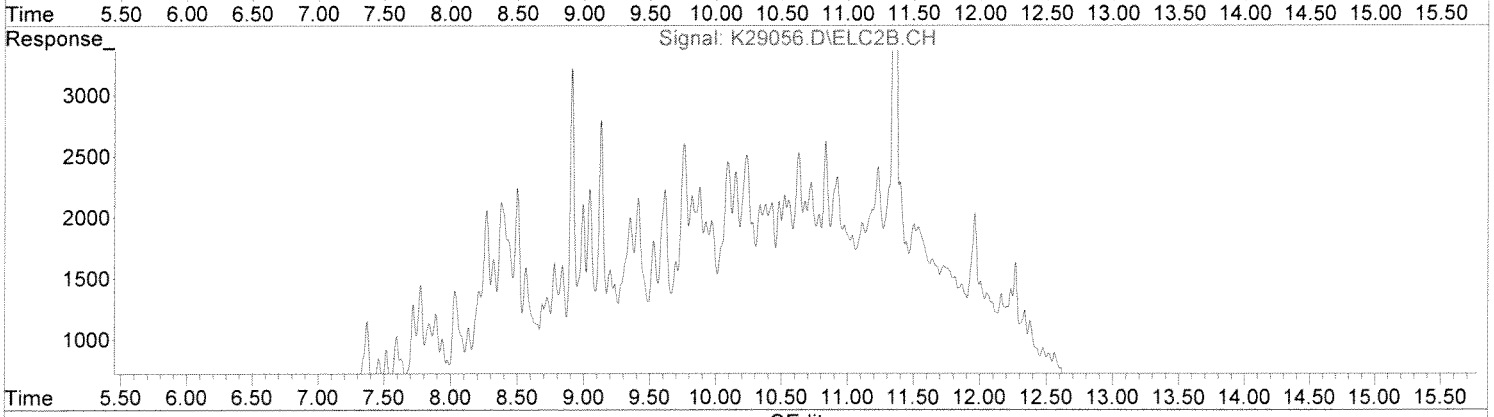
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:07:43 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(14) C9-C12 ALIPHATICS (XH)
8.070min 277.108ug/L m
response 1975498

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

9/23/10

(+) = Expected Retention Time

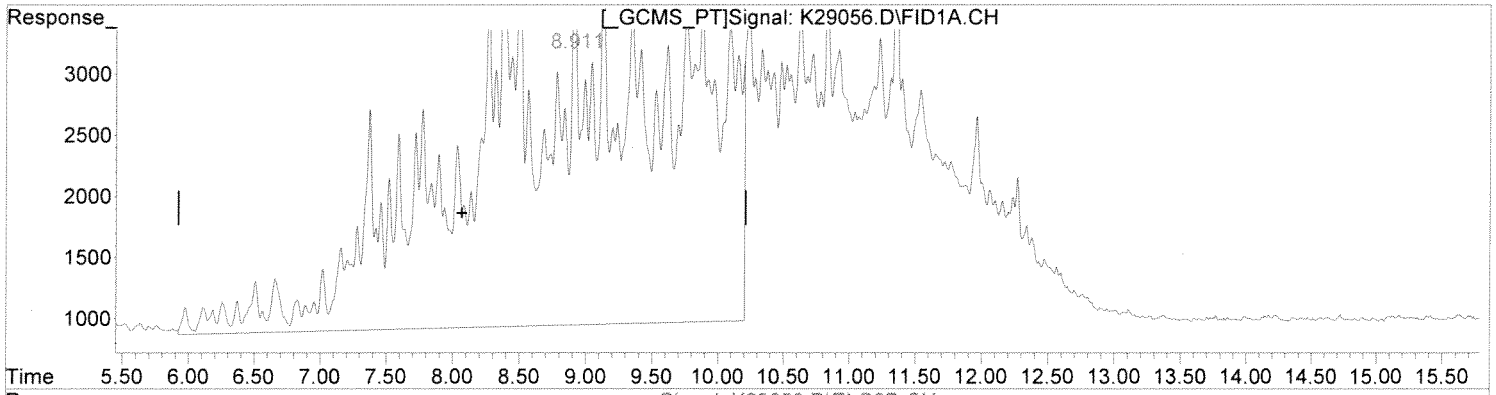
Quantitation Report (Qedit)

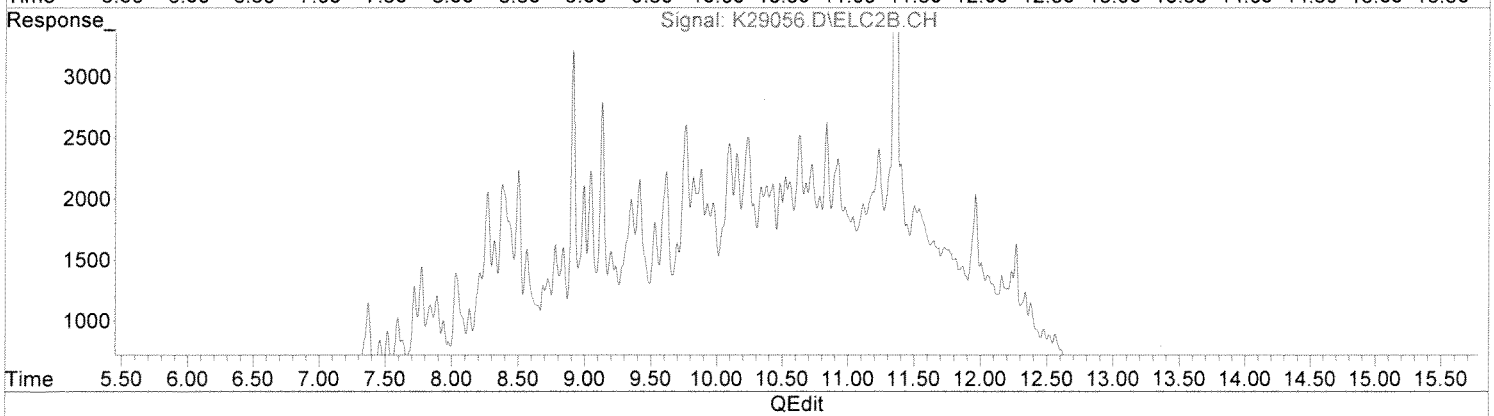
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:07:43 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(14) C9-C12 ALIPHATICS (XH)
10.120min 418.593ug/L m
response 2984149

(14) C9-C12 ALIPHATICS #2 (XH)
10.120min 0.000ug/L m
response 0

592300

(+) = Expected Retention Time

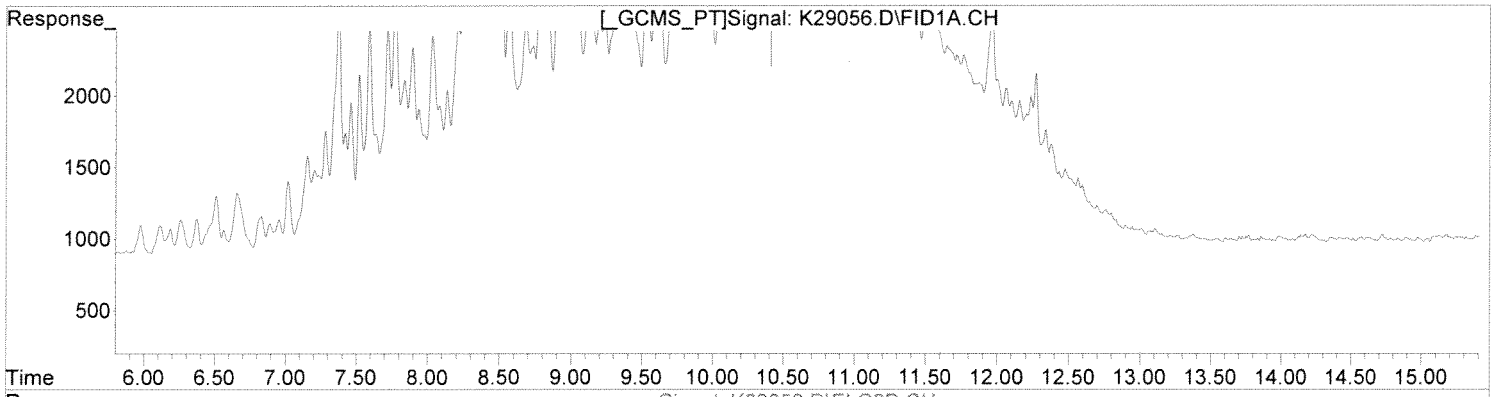
Quantitation Report (Qedit)

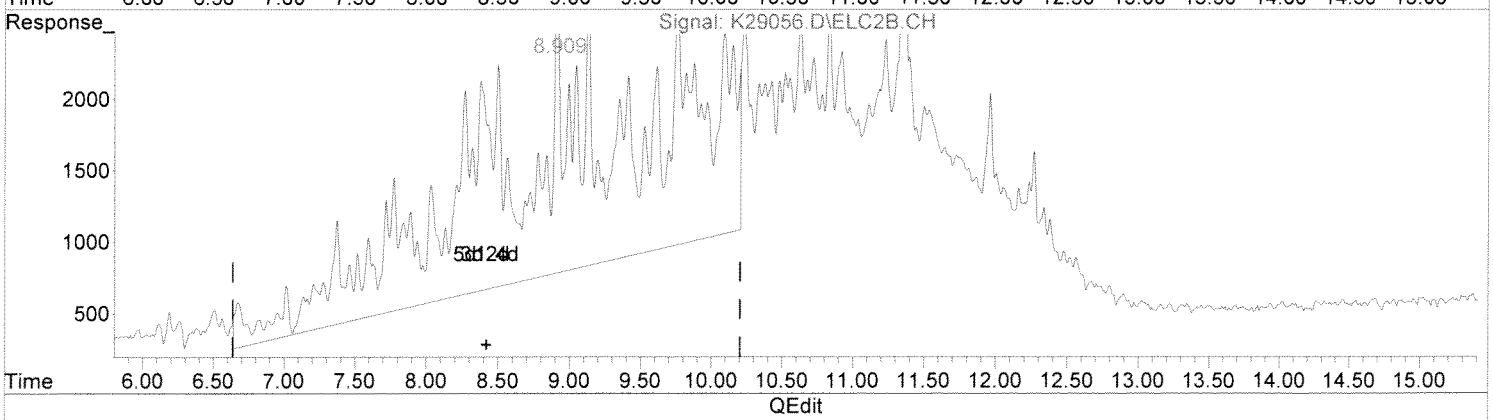
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:07:43 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10 Baseline

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 302

(16) C9-C10 AROMATICS #2 (XH)
8.424min 115.804ug/L m
response 1366027

9/23/10

(+) = Expected Retention Time

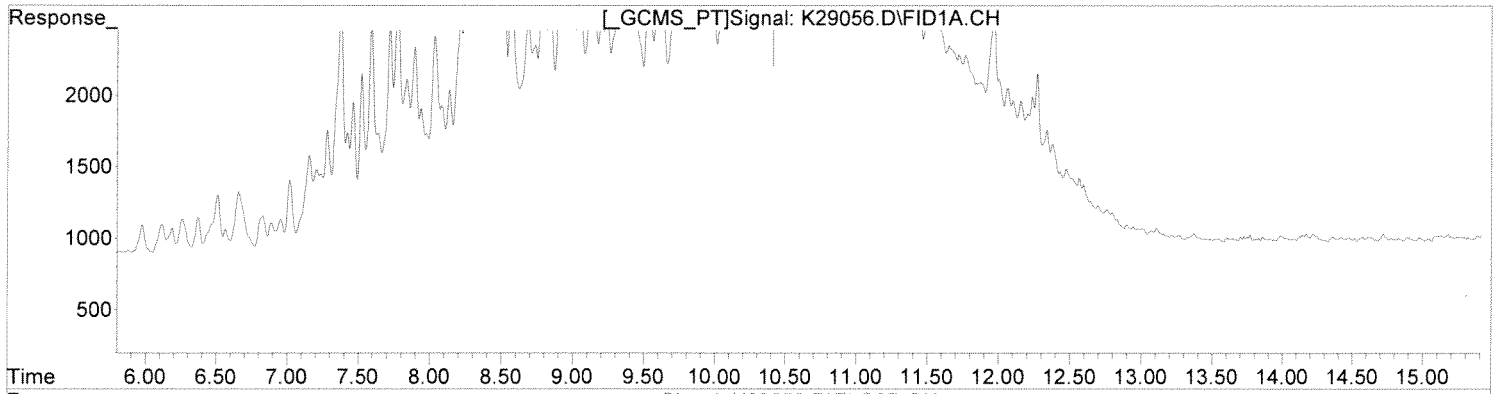
Quantitation Report (Qedit)

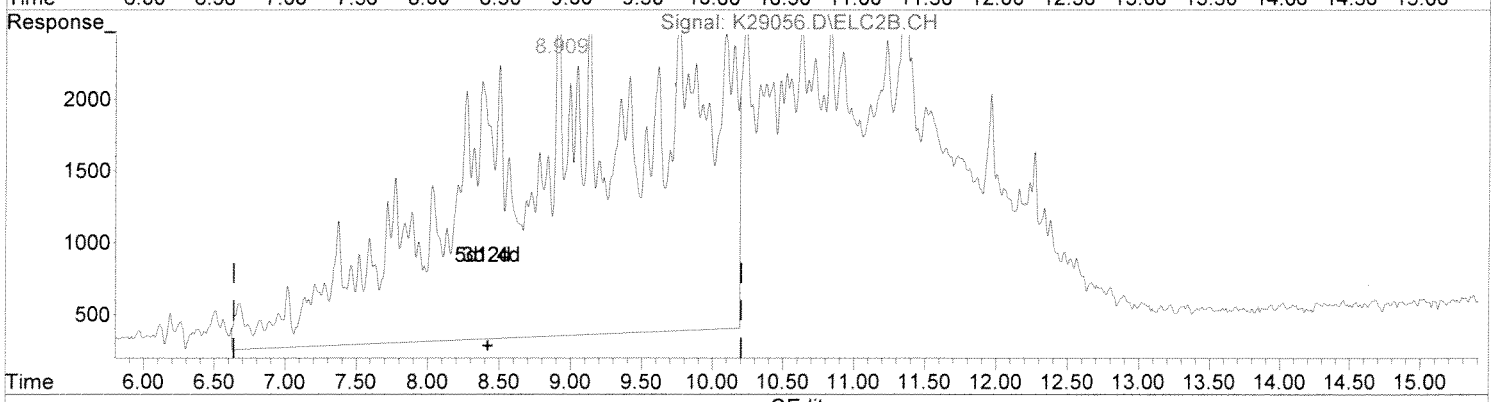
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:07:43 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(16) C9-C10 AROMATICS (XH)
10.410min 0.000ug/L m
response 302

(16) C9-C10 AROMATICS #2 (XH)
8.424min 176.435ug/L m
response 2081230

J 9/23/10

(+) = Expected Retention Time

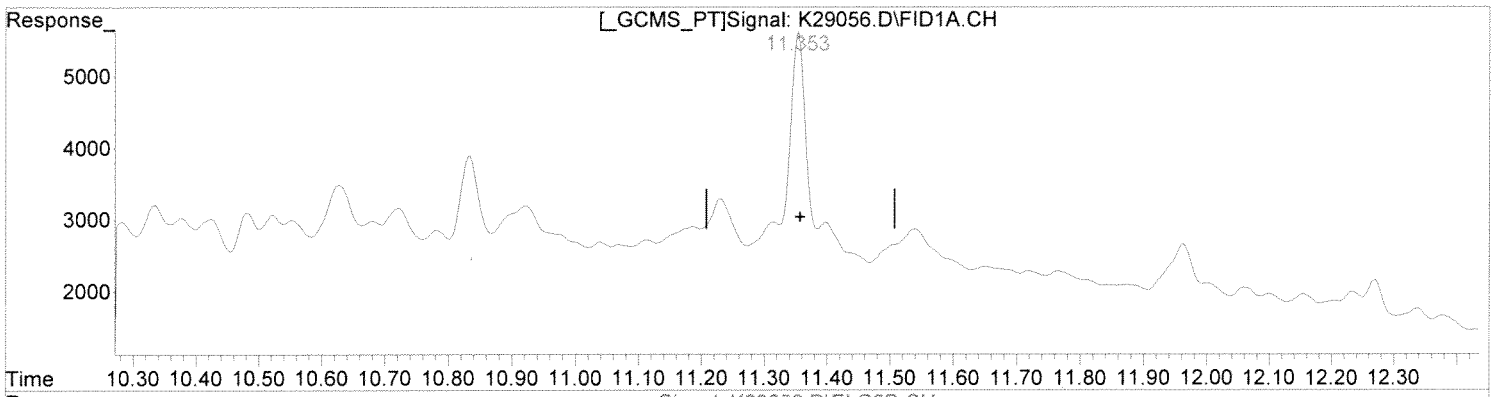
Quantitation Report (Qedit)

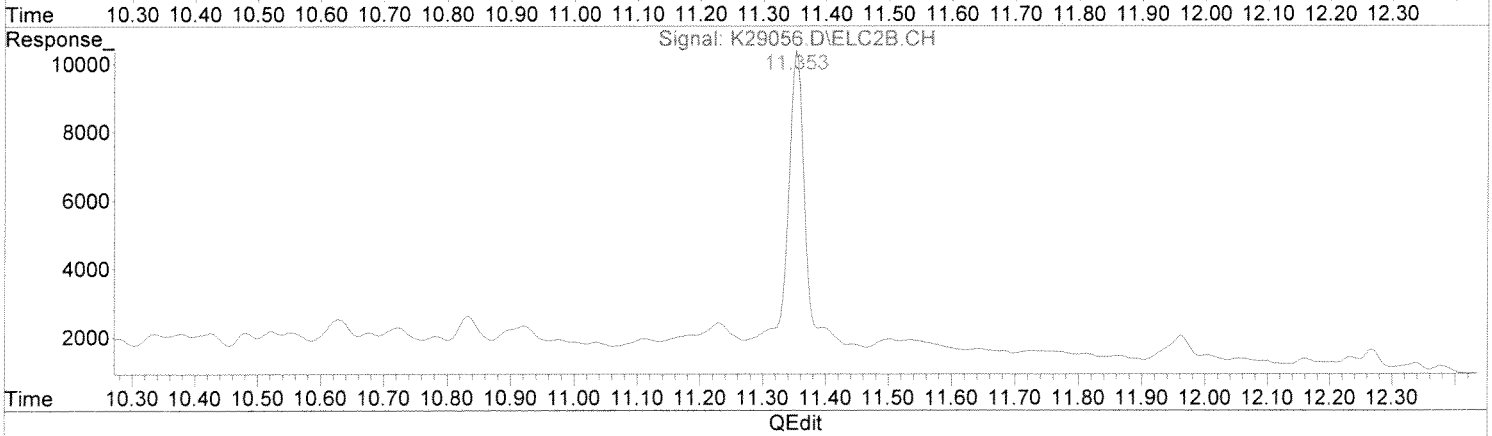
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:08:47 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/23/10
m.p.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(18) 2,5-Dibromotoluene (S)
11.355min 38.166ug/L
response 112258

(18) 2,5-Dibromotoluene #2 (S)
11.354min 37.606ug/L
response 296825

J9230

(+) = Expected Retention Time

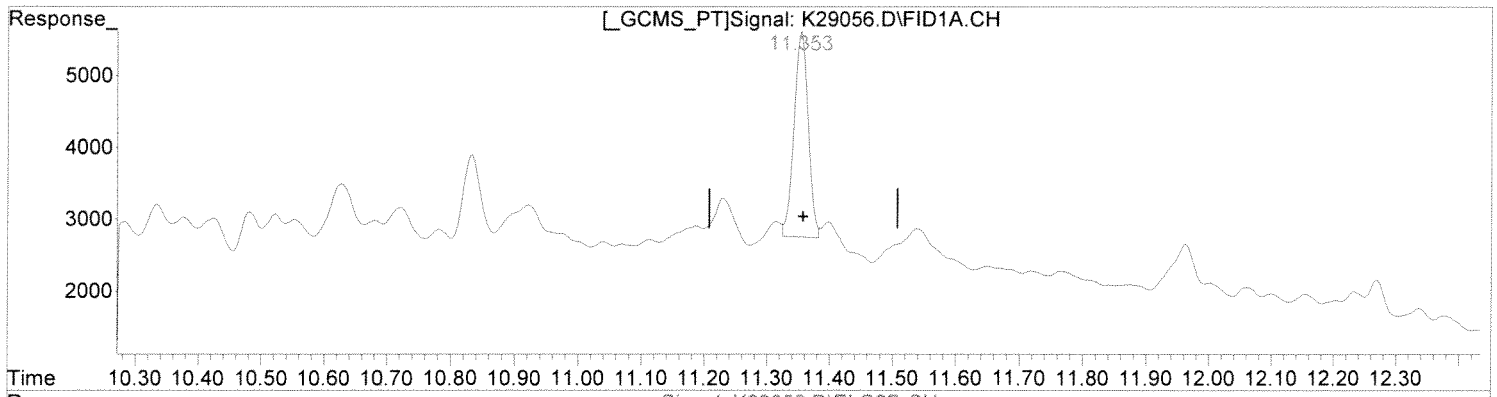
Quantitation Report (Qedit)

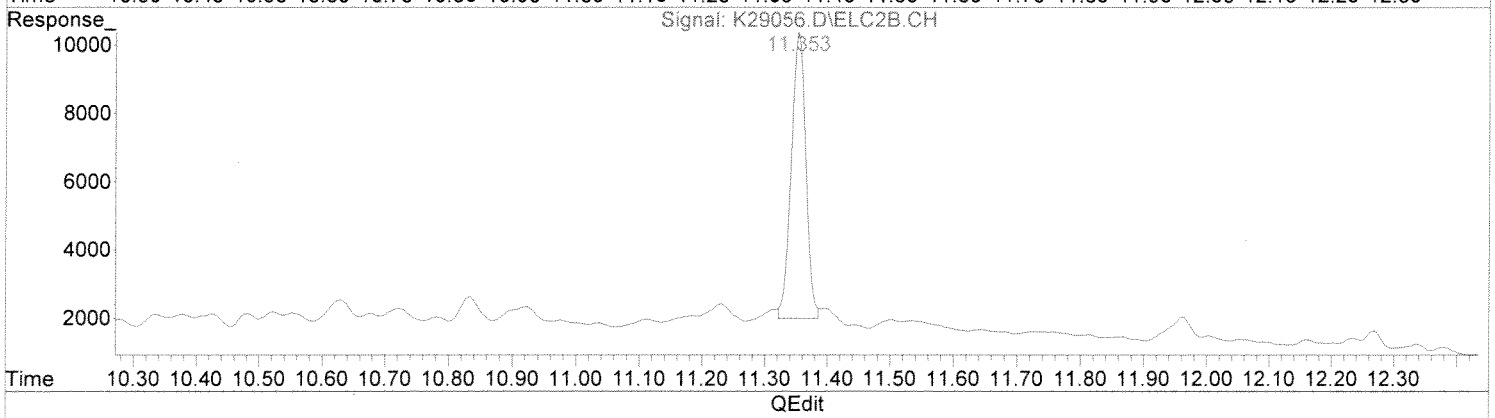
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:08:47 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(18) 2,5-Dibromotoluene (S)
11.353min 15.314ug/L m
response 45044

(18) 2,5-Dibromotoluene #2 (S)
11.353min 17.139ug/L m
response 135278

54230

(+) = Expected Retention Time

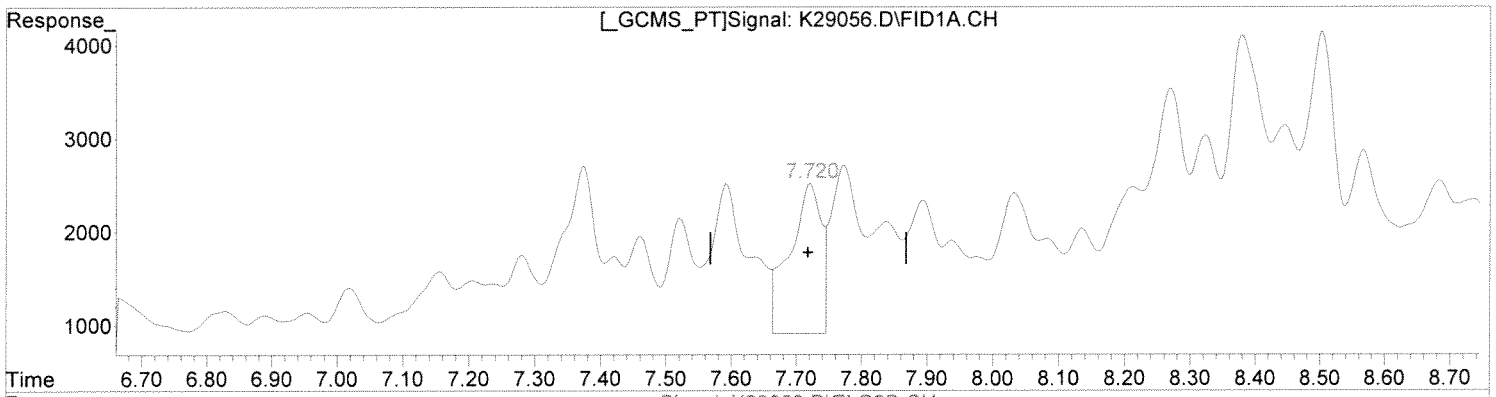
Quantitation Report (Qedit)

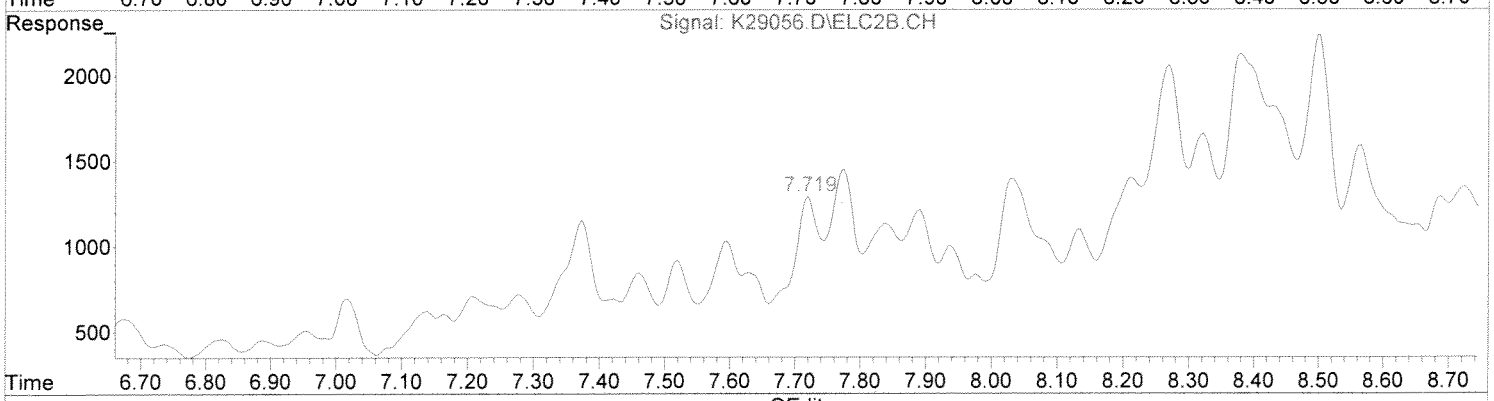
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:29:08 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/23/10 *E.A.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(15) 1,2,4-Trimethylbenzene (ZM)
7.721min 0.000ug/L
response 54077

(15) 1,2,4-Trimethylbenzene #2 (ZM)
7.720min 2.842ug/L
response 33527

9/23/10

(+) = Expected Retention Time

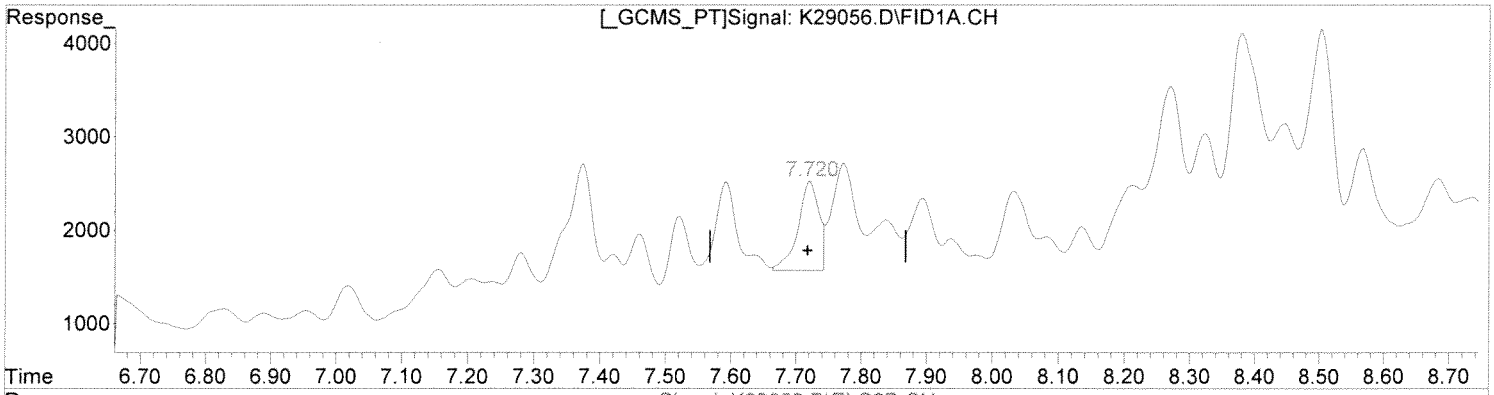
Quantitation Report (Qedit)

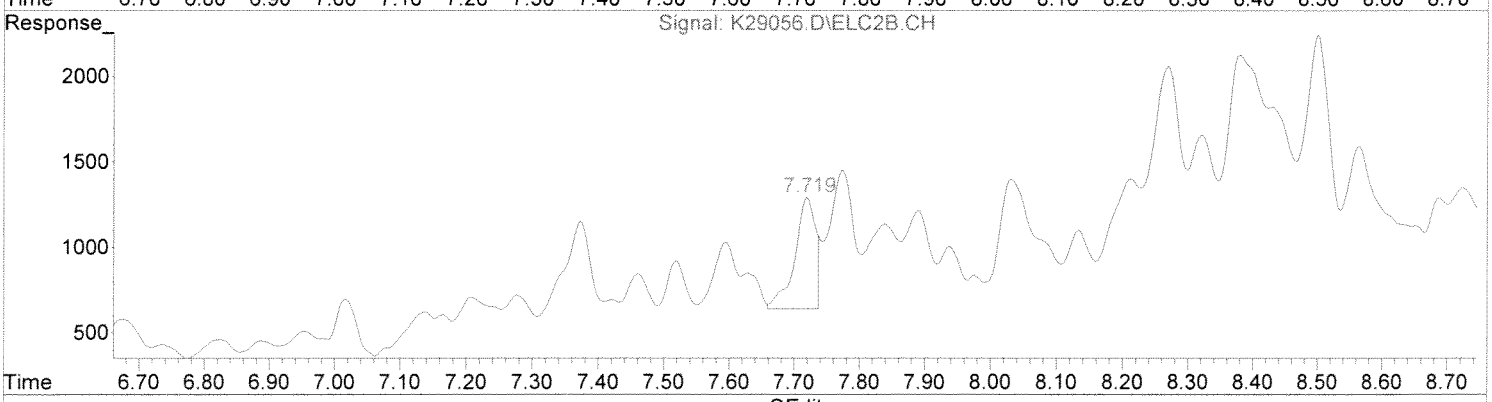
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:29:08 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(15) 1,2,4-Trimethylbenzene (ZM)
7.720min 0.000ug/L m
response 21414

(15) 1,2,4-Trimethylbenzene #2 (ZM)
7.719min 1.215ug/L m
response 14337

39720

(+) = Expected Retention Time

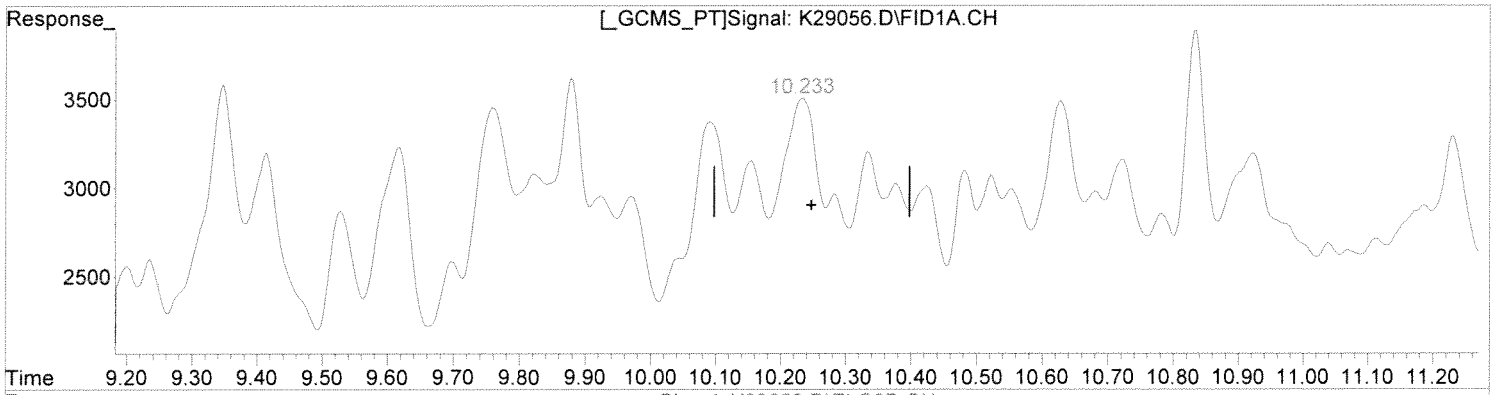
Quantitation Report (Qedit)

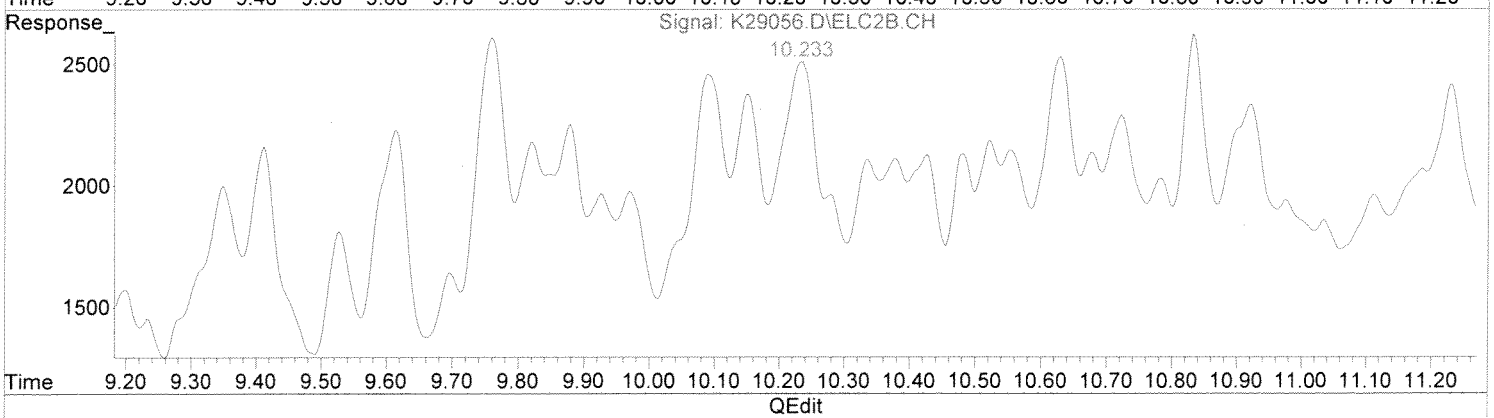
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:29:08 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/23/10 *m.p.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(17) Naphthalene (TM)
10.234min 0.000ug/L
response 119048

(17) Naphthalene #2 (TM)
10.234min 9.561ug/L
response 97448

592360

(+) = Expected Retention Time

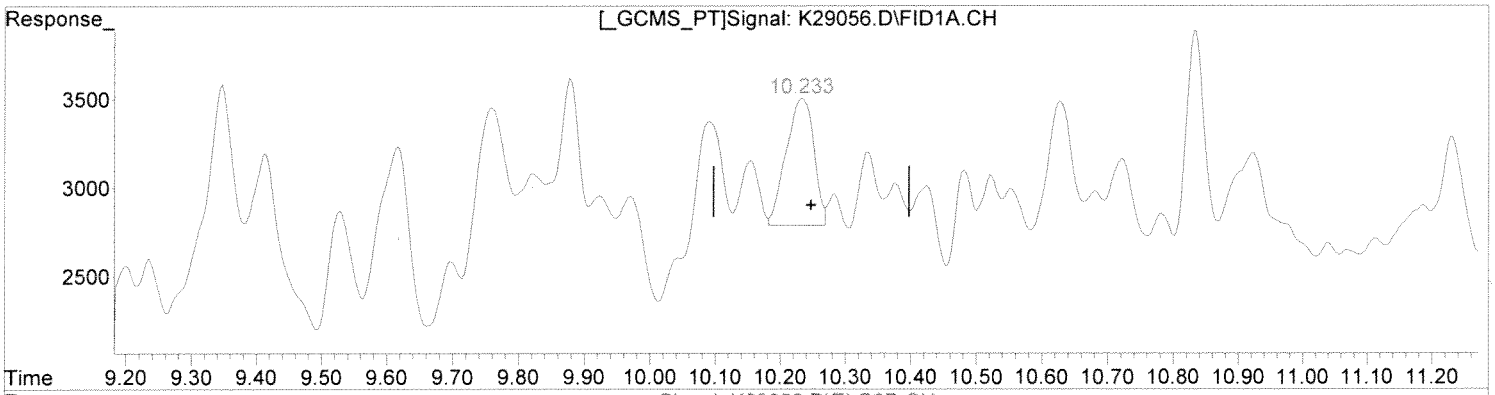
Quantitation Report (Qedit)

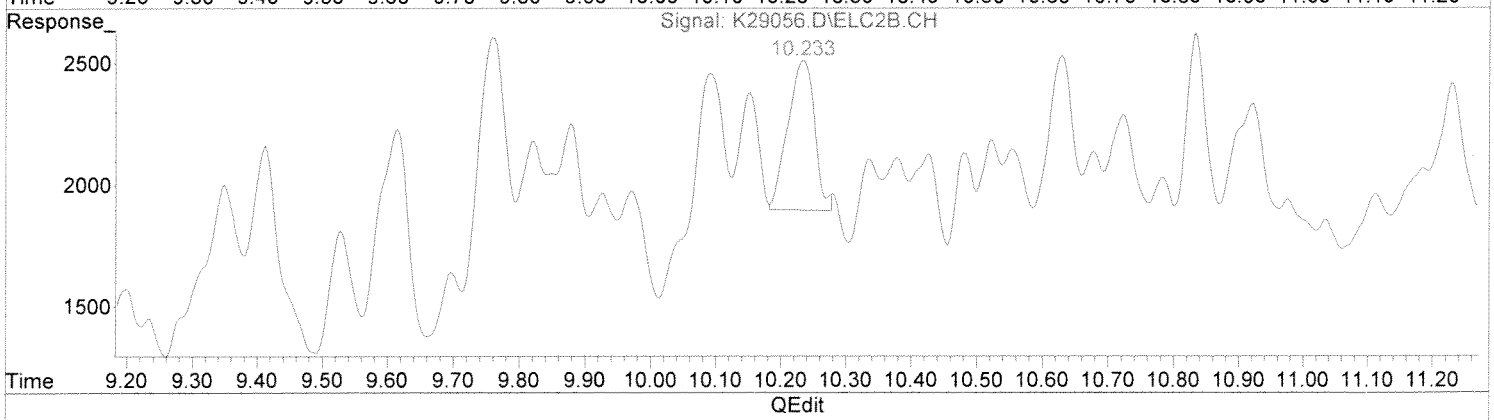
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:29:08 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(17) Naphthalene (TM)
10.233min 0.000ug/L m
response 21315

(17) Naphthalene #2 (TM)
10.233min 1.724ug/L m
response 17572

9/23/10

(+) = Expected Retention Time

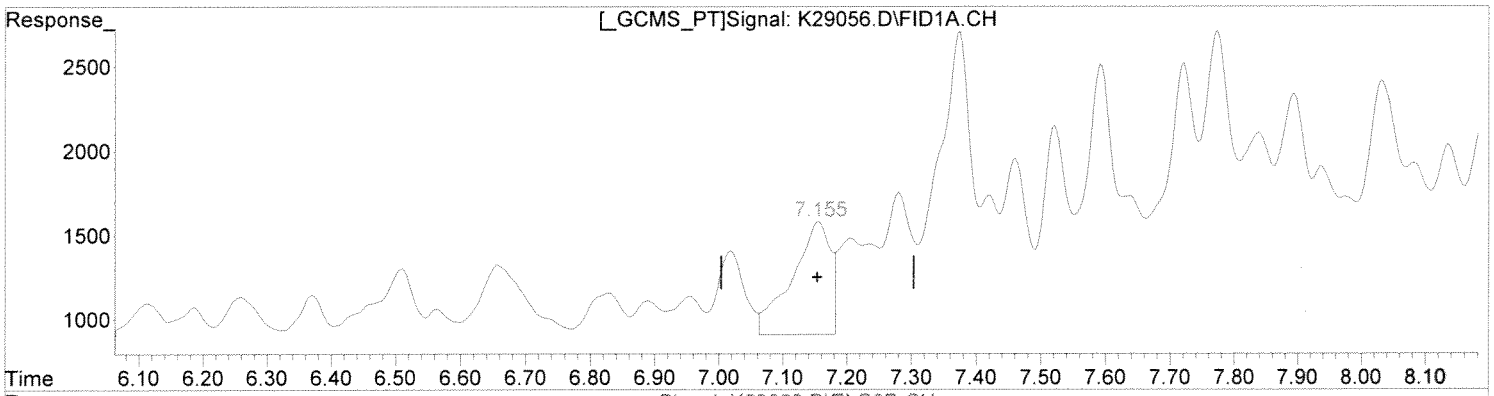
Quantitation Report (Qedit)

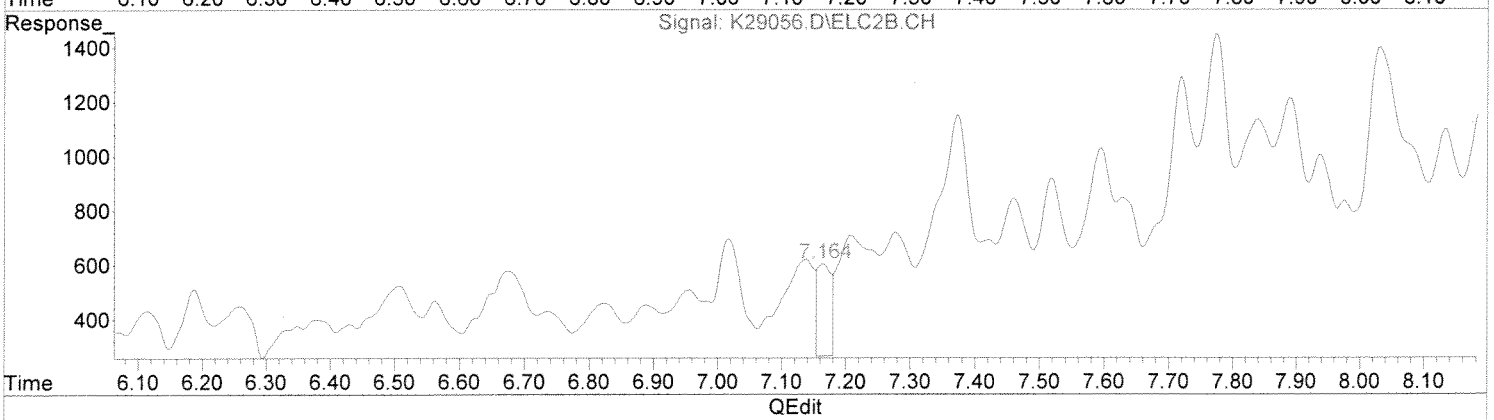
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:09:11 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10
★E.A.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(12) n-Decane (Z)
7.156min 4.047ug/L
response 27914

(12) n-Decane #2 (Z)
7.165min 0.000ug/L
response 5157

J72310

(+) = Expected Retention Time

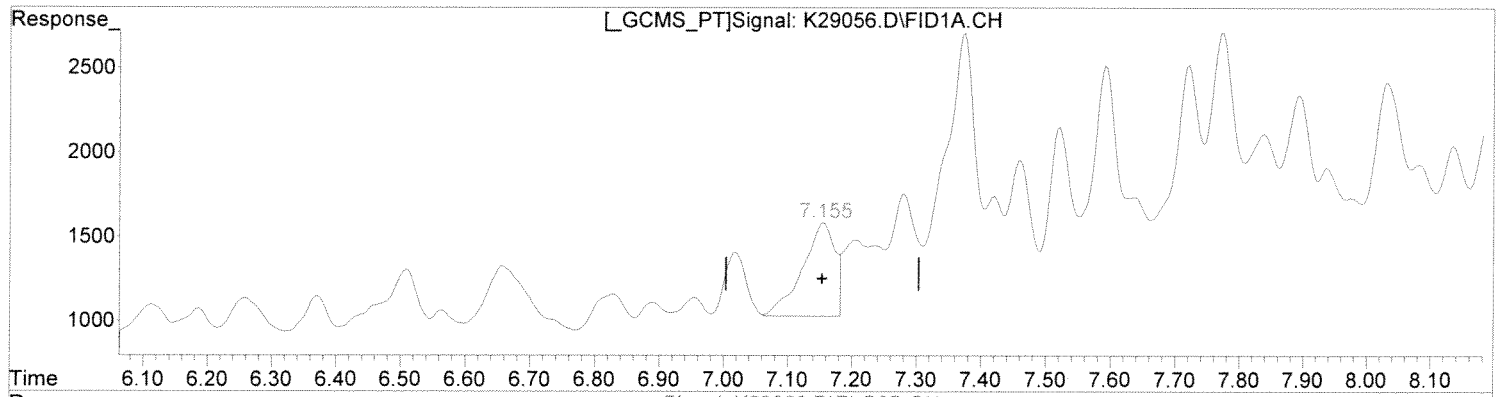
Quantitation Report (Qedit)

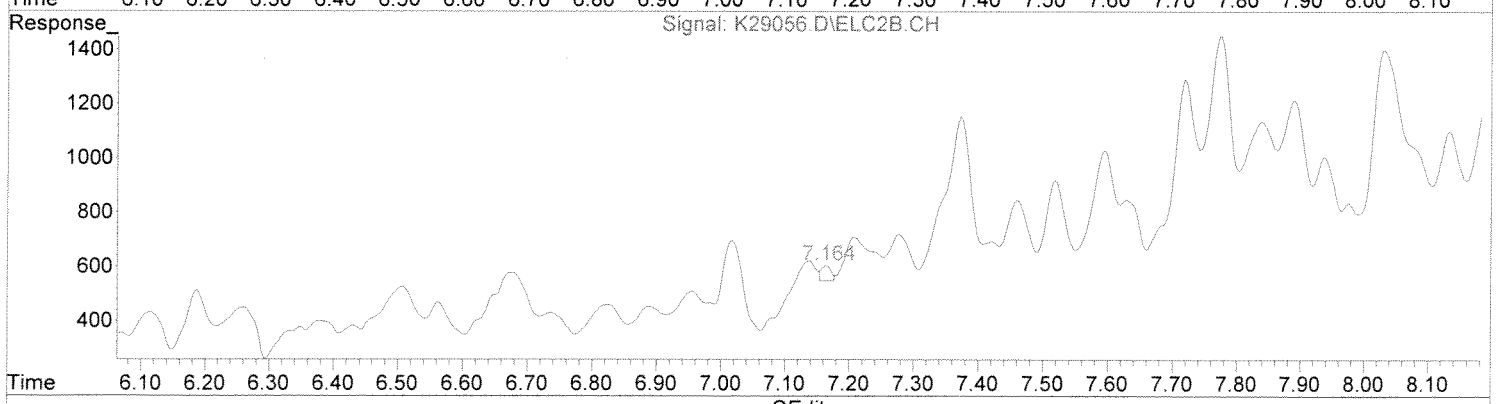
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:09:11 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(12) n-Decane (Z)
7.155min 2.866ug/L m
response 19769

(12) n-Decane #2 (Z)
7.164min 0.000ug/L m
response 607

J 9/23/10

(+) = Expected Retention Time

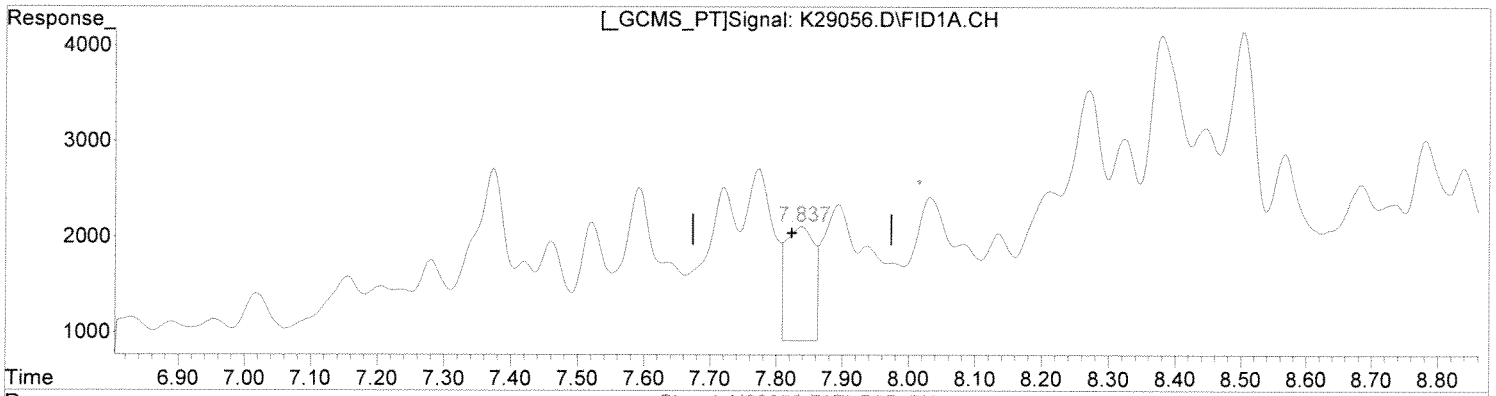
Quantitation Report (Qedit)

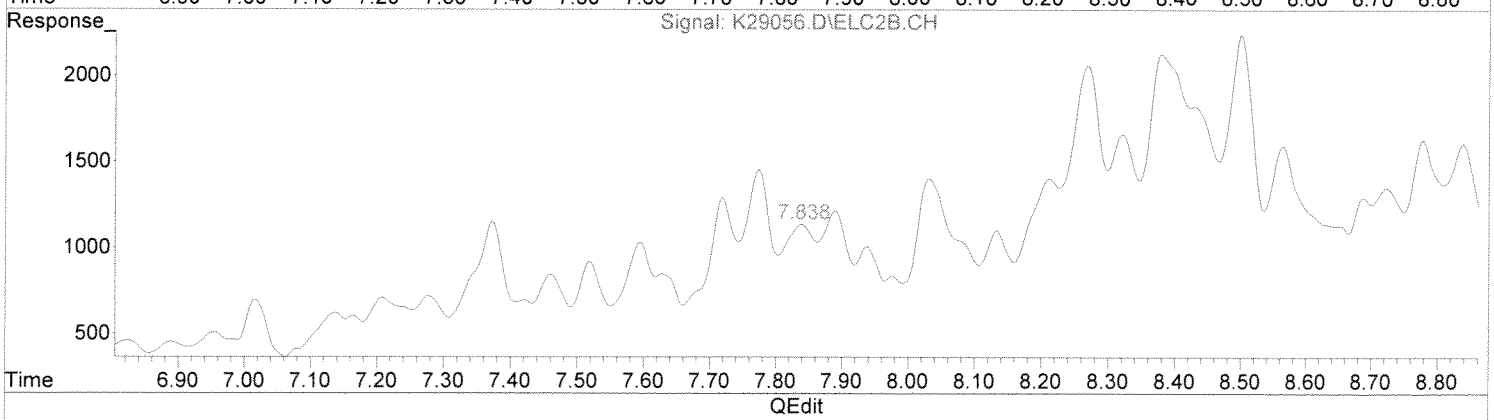
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:09:11 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/23/10 *E.A.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(13) n-Butylcyclohexane (Z)
7.839min 4.865ug/L
response 35812

(13) n-Butylcyclohexane #2 (Z)
7.840min 0.000ug/L
response 27651

G 9230

(+) = Expected Retention Time

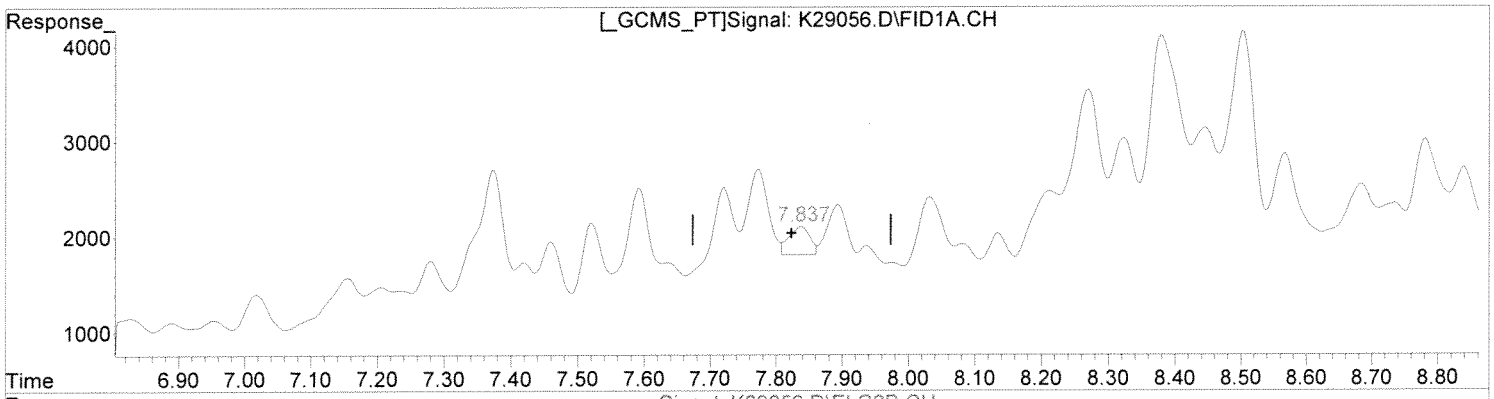
Quantitation Report (Qedit)

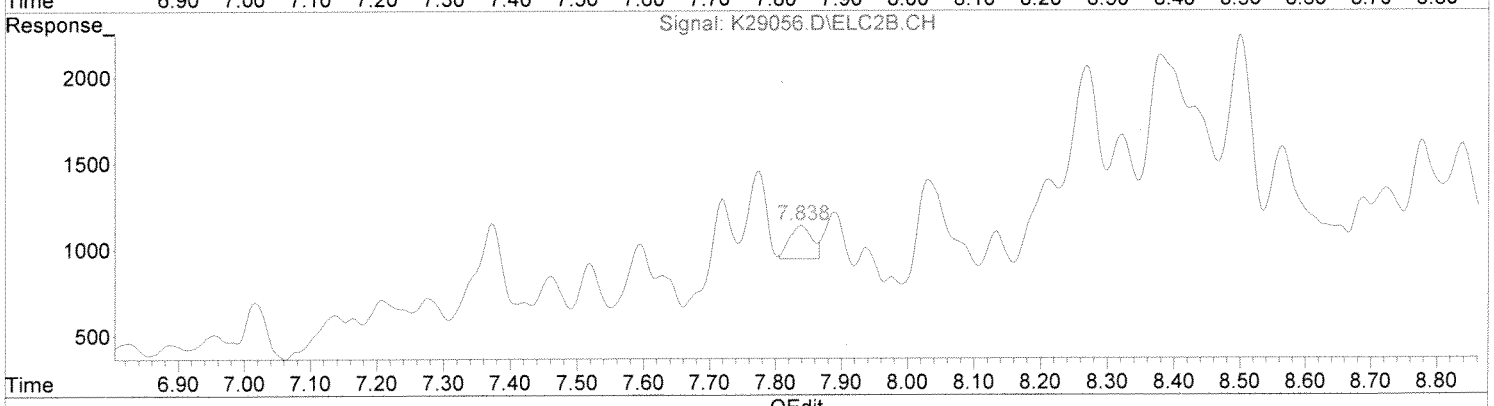
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29056.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:11 pm
Operator : JJL
Sample : 67834-5,5X
Misc : 20,8.26,SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:09:11 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(13) n-Butylcyclohexane (Z)
7.837min 0.853ug/L m
response 6276

(13) n-Butylcyclohexane #2 (Z)
7.838min 0.000ug/L m
response 4663

5923

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM2-SW-01

SAMPLE DATA

Lab Sample ID: 67834-7
Matrix: Solid
Percent Solid: 95
Dilution Factor: 58
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2900	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2900	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	230	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2900	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2900	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	580	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				89
Surrogate % Recovery (2,5-Dibromotoluene) FID				79
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67834-7**
Data File Name	K29052.D
Date Acquired	9/22/2010 13:28
Misc Info	100,9.54,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	9.54
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9506**
% Moisture (divided by 100)	0.0494
Vol. entrained water (mL)	0.4713
Total MeOH/water vol (mL)	10.4713
Dilution Factor	55.13
Moisture Corrected Dilution Factor	57.73

gs 9/23/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2887	
Unadjusted C9-C12 Aliphatics	U		2887	
Benzene	U		115	
Ethylbenzene	U		115	
Methyl-t-butylether	U		115	
Naphthalene	U		115	ND
Toluene	U		115	
m,p-Xylenes	U		231	
o-Xylene	U		115	
C5-C8 Aliphatic Hydrocarbons	U		2887	
C9-C12 Aliphatic Hydrocarbons	U		2887	
C9-C10 Aromatic Hydrocarbons	U		577	
PID Surrogate % Recovery	89%		70-130%	PASS
FID Surrogate % Recovery	79%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	24.88	0.00	182242						0
C9-C12 ALIPHATICS	11.08	0.00	78958						0
2,5-Dibromotoluene	75.08		220824						
PID RESULTS									
Methyl-t-butylether #2	0.16	0.00	763	2.199	2.183	0.0477	OK	0.00	0
Benzene #2	0.30	0.00	3940	3.519	3.512	0.0380	OK	0.00	0
Toluene #2	0.25	0.00	2981	4.886	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.20	0.00	2168	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.37	0.00	4701	6.185	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.12	0.00	1320	6.557	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.34	0.00	3471	10.242	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	7.35	0.00	86739						0
2,5-Dibromotoluene #2	84.88		669975						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

J 9/23/10

9/23/2010 9:03 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29052.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 1:28 pm
Operator : JJL
Sample : 67834-7
Misc : 100,9.54,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:02:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.352	11.352	220824	669975	75.076	84.883	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	75.08%	84.88%
	Target Compounds							
2) Z	2-Methylp...	2.001	2.003	5607	578	0.685	NoCal	#
3) TM	Methyl-t-...	0.000	2.199	0	763	N.D.	0.164	#
4) Z	2,2,4-Tri...	3.259	3.277	347	479	0.045	NoCal	#
5) TM	Benzene	3.522	3.519	3434	3940	NoCal	0.303	#
6) TM	Toluene	4.885	4.886	1068	2981	NoCal	0.250	#
7) XH	C5-C8 ALI...	3.717	0.000	182242	0	24.881	N.D.	#
9) TM	Ethylbenzene	6.120	6.121	1220	2168	NoCal	0.198	#
10) TM	m,p-Xylene	6.187	6.185	2022	4701	NoCal	0.375	#
11) TM	o-Xylene	6.562	6.557	1576	1320	NoCal	0.118	#
12) Z	n-Decane	7.151	7.155	1940	1010	0.281	NoCal	#
13) Z	n-Butylcy...	7.821	7.812	1205	1240	0.164	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	78958	0	11.076	N.D.	#
15) ZM	1,2,4-Tri...	7.714	7.711	2159	2389	NoCal	0.203	#
16) XH	C9-C10 AR...	10.410	8.424	10	86739	NoCal	7.353	#
17) TM	Naphthalene	10.243	10.242	2475	3471	NoCal	0.341	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9/23/10

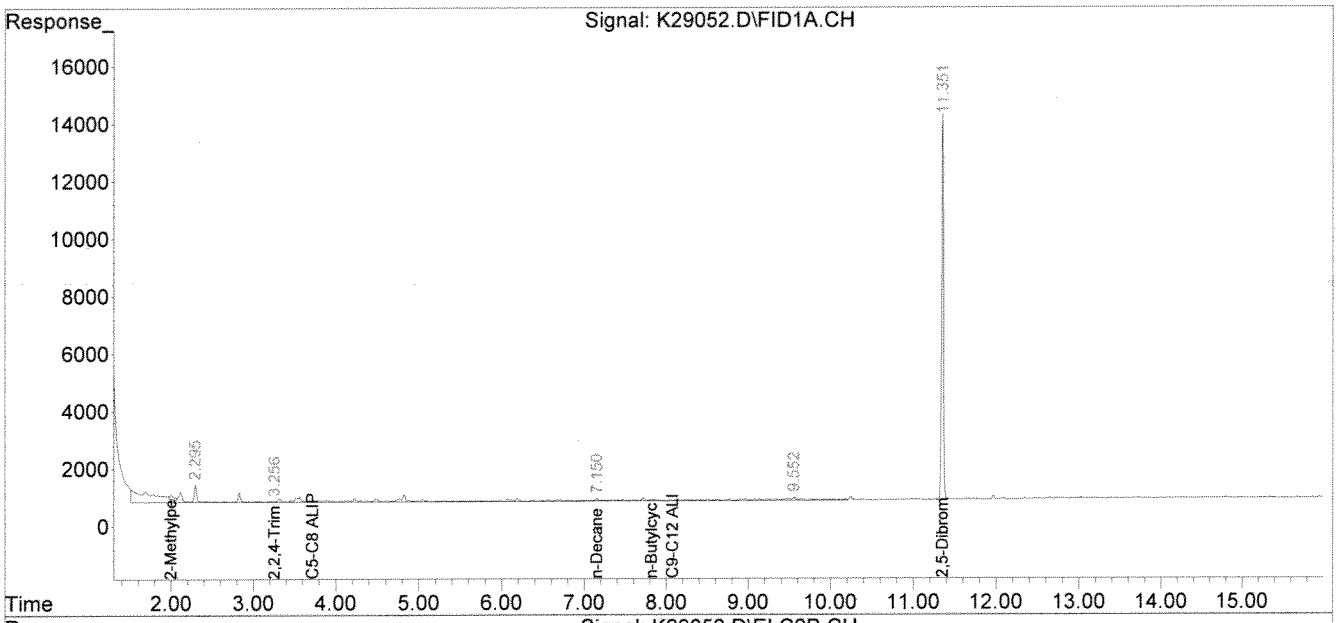
Quantitation Report (Not Reviewed)

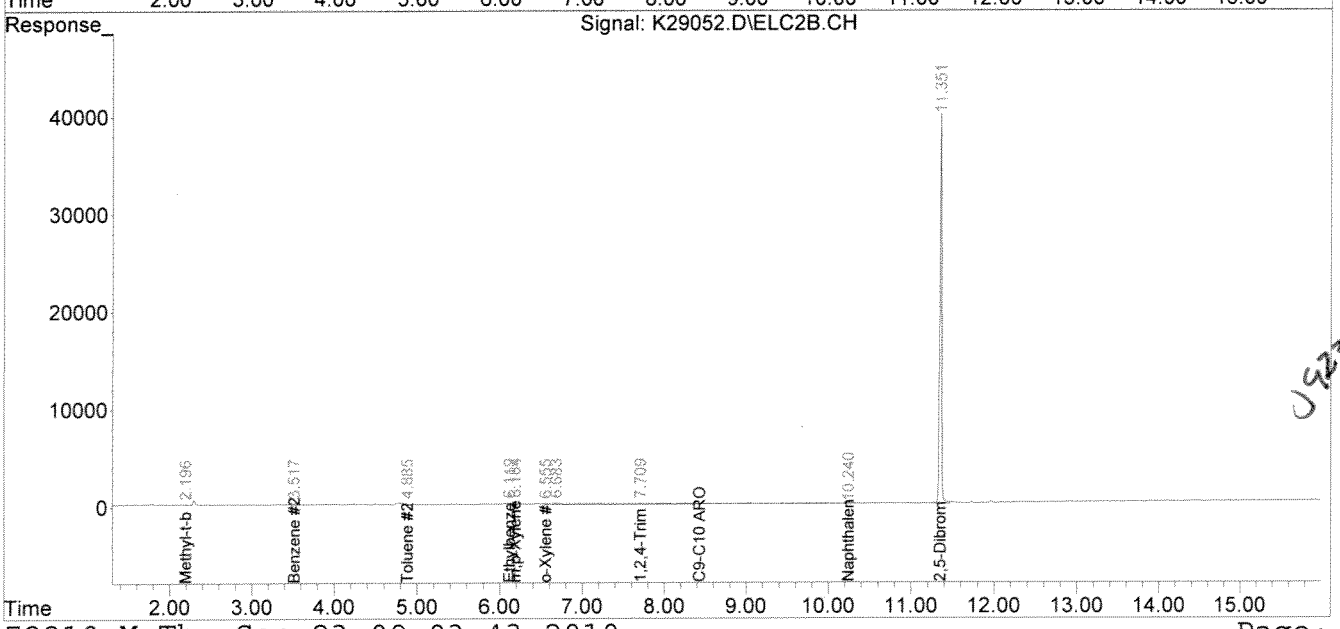
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29052.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 1:28 pm
Operator : JJL
Sample : 67834-7
Misc : 100,9.54,SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:02:06 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





U9230

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM2-SW-02

SAMPLE DATA

Lab Sample ID: 67834-8
Matrix: Solid
Percent Solid: 91
Dilution Factor: 68
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3400	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3400	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	270	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3400	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3400	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	680	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				85
Surrogate % Recovery (2,5-Dibromotoluene) FID				84
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: MFalwell

VPH SOIL REPORT

Sample Name	**67834-8**
Data File Name	K29030.D
Date Acquired	9/21/2010 22:43 ✓
Misc Info	100,8.58,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	8.58
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9147** ✓
% Moisture (divided by 100)	0.0853
Vol. entrained water (mL)	0.7319
Total MeOH/water vol (mL)	10.7319
Dilution Factor	63.71
Moisture Corrected Dilution Factor	68.37

88 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3419	
Unadjusted C9-C12 Aliphatics	U		3419	
Benzene	U		137	
Ethylbenzene	U		137	
Methyl-t-butylether	U		137	
Naphthalene	U		137	ND
Toluene	U		137	
m,p-Xylenes	U		273	
o-Xylene	U		137	
C5-C8 Aliphatic Hydrocarbons	U		3419	
C9-C12 Aliphatic Hydrocarbons	U		3419	
C9-C10 Aromatic Hydrocarbons	U		684	
PID Surrogate % Recovery	85%		70-130%	PASS ✓
FID Surrogate % Recovery	84%		70-130%	PASS ✓

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	29.60 ✓	0.00	216808						0
C9-C12 ALIPHATICS	21.89 ✓	0.00	156055						0
2,5-Dibromotoluene	78.67		231394						
PID RESULTS									
Methyl-t-butylether #2	0.07	0.00	349	2.183	2.183	0.0477	OK	0.00	0
Benzene #2	0.20	0.00	2603	3.522	3.512	0.0380	OK	0.00	0
Toluene #2	0.11	0.00	1295	4.872	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.08	0.00	822	6.126	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.12	0.00	1556	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.16	0.00	1758	6.554	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.46	0.00	4638	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	6.91 ✓	0.00	81456						0
2,5-Dibromotoluene #2	79.16		624793						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

J 97360

9/22/2010 10:17 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29030.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 10:43 pm
Operator : JJL
Sample : 67834-8
Misc : 100,8.58,SOIL
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:17:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.354	11.353	231394	624793	78.670	79.159
	Spiked Amount 100.000 Range 70 - 130 Recovery = 78.67% 79.16%						
	Target Compounds						
2) Z	2-Methylp...	2.004	1.991	9217	636	1.126	NoCal #
3) TM	Methyl-t-...	2.171	2.183	43	349	NoCal	0.075 #
4) Z	2,2,4-Tri...	3.265	3.322	196	3171	0.025	NoCal #
5) TM	Benzene	3.523	3.522	3056	2603	NoCal	0.200 #
6) TM	Toluene	4.878	4.872	805	1295	NoCal	0.109 #
7) XH	C5-C8 ALI...	3.717	0.000	216808	0	29.600	N.D. #
9) TM	Ethylbenzene	6.126	6.126	727	822	NoCal	0.075 #
10) TM	m,p-Xylene	6.186	6.187	1193	1556	NoCal	0.124 #
11) TM	o-Xylene	6.564	6.554	1101	1758	NoCal	0.157 #
12) Z	n-Decane	7.150	7.153	1775	740	0.257	NoCal #
13) Z	n-Butylcy...	7.867	7.820	2064	1148	0.280	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	156055	0	21.890	N.D. #
15) ZM	1,2,4-Tri...	7.718	7.717	1774	1596	NoCal	0.135 #
16) XH	C9-C10 AR...	10.410	8.424	105	81456	NoCal	6.905 #
17) TM	Naphthalene	10.244	10.244	4638	4638	NoCal	0.455 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

JJ 23W

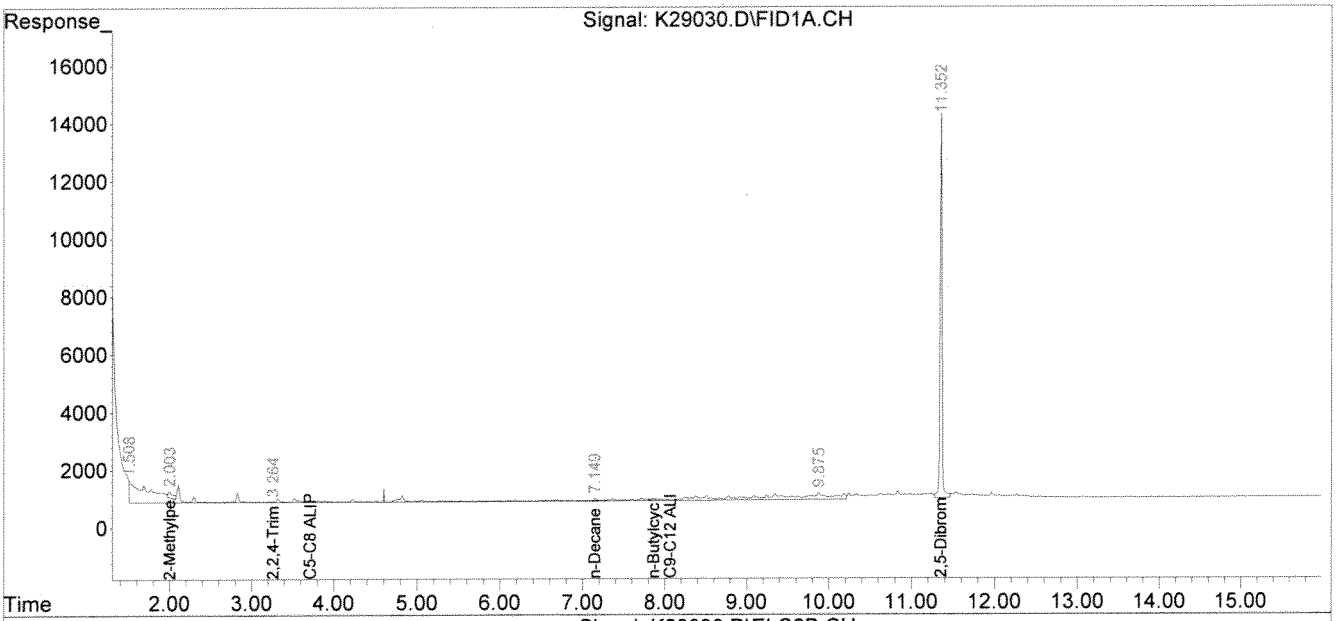
Quantitation Report (Not Reviewed)

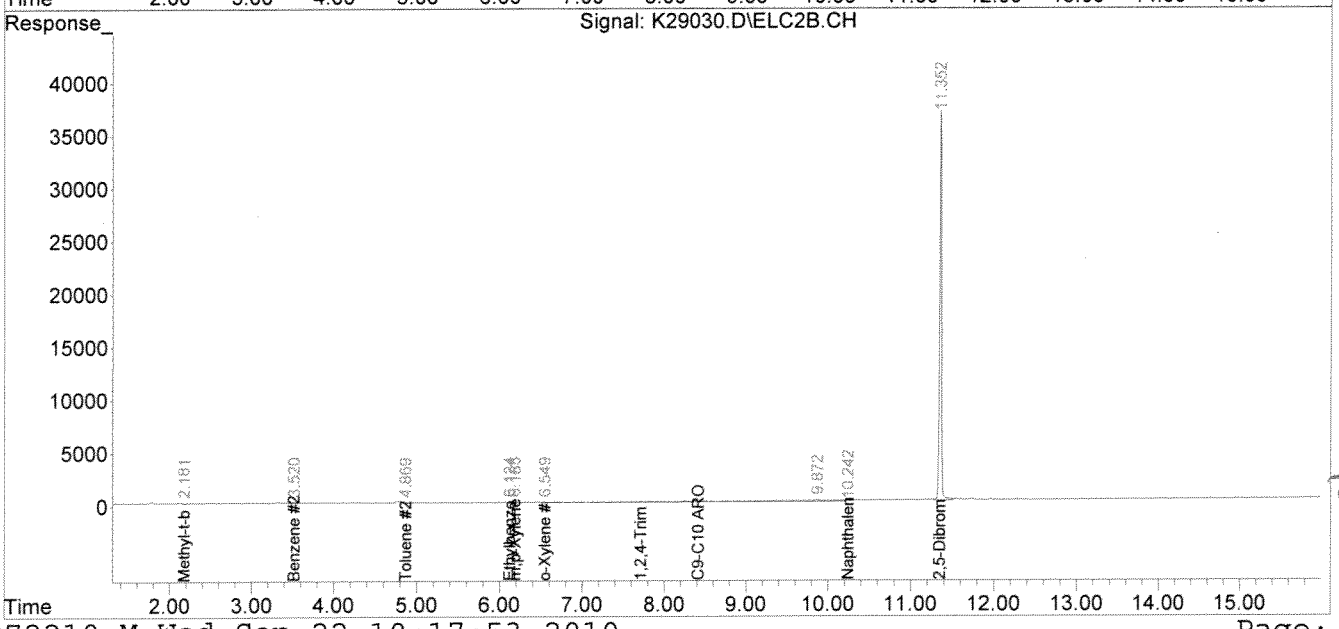
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29030.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 10:43 pm
Operator : JJL
Sample : 67834-8
Misc : 100,8.58,SOIL
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:17:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJS 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





D92310

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM2-SW-03

SAMPLE DATA

Lab Sample ID: 67834-11
Matrix: Solid
Percent Solid: 96
Dilution Factor: 68
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3400	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3400	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	270	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3400	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3400	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	680	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				94
Surrogate % Recovery (2,5-Dibromotoluene) FID				102
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67834-11**
Data File Name	K29031.D
Date Acquired	9/21/2010 23:08 ✓
Misc Info	100,7.81,SOIL ✓
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	7.81
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9644** ✓
% Moisture (divided by 100)	0.0356
Vol. entrained water (mL)	0.2780
Total MeOH/water vol (mL)	10.2780
Dilution Factor	66.38
Moisture Corrected Dilution Factor	68.23

gg 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3411	
Unadjusted C9-C12 Aliphatics	U		3411	
Benzene	U		136	
Ethylbenzene	U		136	
Methyl-t-butylether	U		136	
Naphthalene	U		136	ND
Toluene	U		136	
m,p-Xylenes	U		273	
o-Xylene	U		136	
C5-C8 Aliphatic Hydrocarbons	U		3411	
C9-C12 Aliphatic Hydrocarbons	U		3411	
C9-C10 Aromatic Hydrocarbons	U		682	
PID Surrogate % Recovery	94%		70-130%	PASS ✓
FID Surrogate % Recovery	102%		70-130%	PASS ✓

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	28.13 ✓	0.00	206067						0
C9-C12 ALIPHATICS	11.40 ✓	0.00	81248						0
2,5-Dibromotoluene	99.70		293251						
PID RESULTS									
Methyl-t-butylether #2	0.02	0.00	96	2.198	2.183	0.0477	OK	0.00	0
Benzene #2	0.26	0.00	3386	3.523	3.512	0.0380	OK	0.00	0
Toluene #2	0.10	0.00	1145	4.882	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.09	0.00	951	6.119	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.13	0.00	1655	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.07	0.00	783	6.559	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.16	0.00	1679	10.245	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	4.31 ✓	0.00	50800						0
2,5-Dibromotoluene #2	91.64		723329						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

J 92310

9/22/2010 10:18 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29031.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 11:08 pm
Operator : JJL
Sample : 67834-11
Misc : 100,7.81,SOIL
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:17:57 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18)	S 2,5-Dibro...	11.354	11.354	293251	723329	99.700	91.643
	Spiked Amount 100.000 Range 70 - 130 Recovery = 99.70% 91.64%						
	Target Compounds						
2)	Z 2-Methylp...	2.003	2.008	7510	470	0.918	NoCal #
3)	TM Methyl-t-...	0.000	2.198	0	96	N.D.	0.021 #
4)	Z 2,2,4-Tri...	3.321	3.321	3614	3145	0.468	NoCal #
5)	TM Benzene	3.523	3.523	4089	3386	NoCal	0.260 #
6)	TM Toluene	4.882	4.882	1972	1145	NoCal	0.096 #
7)	XH C5-C8 ALI...	3.717	0.000	206067	0	28.133	N.D. #
9)	TM Ethylbenzene	6.120	6.119	3346	951	NoCal	0.087 #
10)	TM m,p-Xylene	6.186	6.187	6003	1655	NoCal	0.132 #
11)	TM o-Xylene	6.563	6.559	7888	783	NoCal	0.070 #
12)	Z n-Decane	7.152	7.151	7527	374	1.091	NoCal #
13)	Z n-Butylcy...	7.822	7.839	4318	482	0.587	NoCal #
14)	XH C9-C12 AL...	8.070	0.000	81248	0	11.397	N.D. #
15)	ZM 1,2,4-Tri...	7.714	7.713	8248	1687	NoCal	0.143 #
16)	XH C9-C10 AR...	10.410	8.424	3	50800	NoCal	4.307 #
17)	TM Naphthalene	10.245	10.245	11383	1679	NoCal	0.165 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J92310

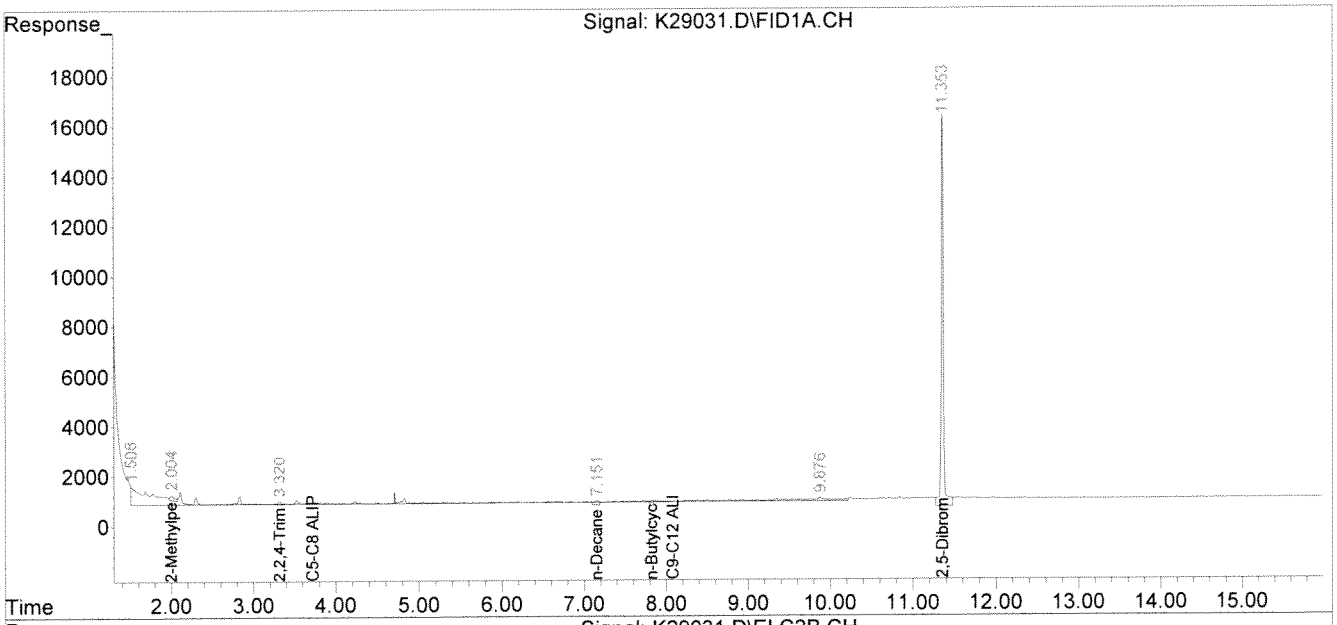
Quantitation Report (Not Reviewed)

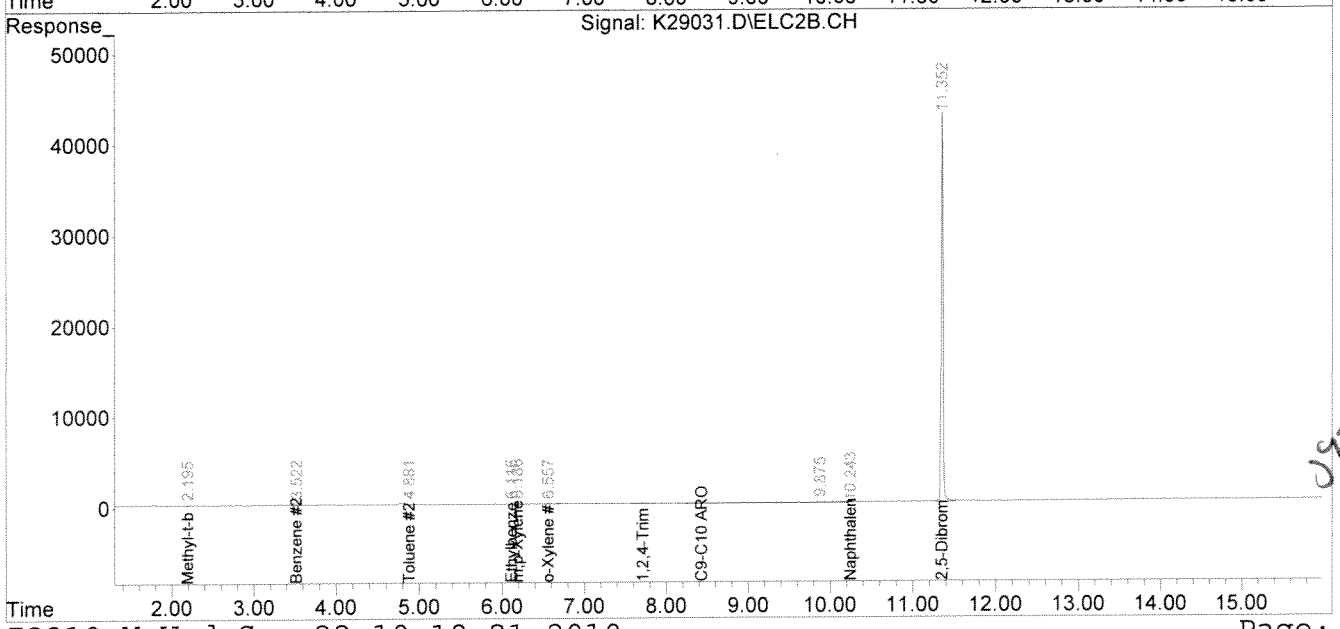
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29031.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 11:08 pm
Operator : JJL
Sample : 67834-11
Misc : 100,7.81,SOIL
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:17:57 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J97340

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM2-SW-04

SAMPLE DATA

Lab Sample ID: 67834-12
Matrix: Solid
Percent Solid: 95
Dilution Factor: 65
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3250	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3250	µg/kg	U
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	U
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3250	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3250	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	650	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				83
Surrogate % Recovery (2,5-Dibromotoluene) FID				81
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: Mark Hall

VPH SOIL REPORT

Sample Name	**67834-12**
Data File Name	K29032.D
Date Acquired	9/21/2010 23:32
Misc Info	100,8.51,SOIL ✓
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	8.51
Vol. MeOH (mL)	**10.00** ✓
% Solid (divided by 100)	**0.9478**
% Moisture (divided by 100)	0.0522
Vol. entrained water (mL)	0.4442
Total MeOH/water vol (mL)	10.4442
Dilution Factor	61.99
Moisture Corrected Dilution Factor	64.74

88 9/28/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3237	
Unadjusted C9-C12 Aliphatics	U		3237	
Benzene	U		129	
Ethylbenzene	U		129	
Methyl-t-butylether	U		129	
Naphthalene	U		129	ND
Toluene	U		129	
m,p-Xylenes	U		259	
o-Xylene	U		129	
C5-C8 Aliphatic Hydrocarbons	U		3237	
C9-C12 Aliphatic Hydrocarbons	U		3237	
C9-C10 Aromatic Hydrocarbons	U		647	
PID Surrogate % Recovery	83%		70-130%	PASS ✓
FID Surrogate % Recovery	81%		70-130%	PASS ✓

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	28.72 ✓	0.00	210350						0
C9-C12 ALIPHATICS	9.17 ✓	0.00	65356						0
2,5-Dibromotoluene	77.22		227129						
PID RESULTS									
Methyl-t-butylether #2	0.03	0.00	123	2.178	2.183	0.0477	OK	0.00	0
Benzene #2	0.22	0.00	2879	3.522	3.512	0.0380	OK	0.00	0
Toluene #2	0.09	0.00	1118	4.879	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.09	0.00	997	6.121	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.10	0.00	1278	6.186	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.06	0.00	678	6.556	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.17	0.00	1735	10.243	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	4.37 ✓	0.00	51521						0
2,5-Dibromotoluene #2	79.63		628544						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

J92360

9/22/2010 10:18 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29032.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 11:32 pm
Operator : JJL
Sample : 67834-12
Misc : 100,8.51,SOIL
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:18:25 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	227129	628544	77.220	79.634	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	77.22%	79.63%
	Target Compounds							
2) Z	2-Methylp...	2.004	2.039	9040	407	1.105	NoCal	#
3) TM	Methyl-t-...	2.229	2.178	84	123	NoCal	0.026	#
4) Z	2,2,4-Tri...	3.322	3.270	2937	158	0.381	NoCal	#
5) TM	Benzene	3.523	3.522	3539	2879	NoCal	0.221	#
6) TM	Toluene	4.881	4.879	810	1118	NoCal	0.094	#
7) XH	C5-C8 ALI...	3.717	0.000	210350	0	28.718	N.D.	#
9) TM	Ethylbenzene	6.127	6.121	581	997	NoCal	0.091	#
10) TM	m,p-Xylene	6.188	6.186	1102	1278	NoCal	0.102	#
11) TM	o-Xylene	6.564	6.556	409	678	NoCal	0.061	#
12) Z	n-Decane	7.151	7.161	1716	360	0.249	NoCal	#
13) Z	n-Butylcy...	7.829	7.829	415	323	0.056	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	65356	0	9.168	N.D.	#
15) ZM	1,2,4-Tri...	7.714	7.717	1812	1761	NoCal	0.149	#
16) XH	C9-C10 AR...	10.410	8.424	6	51521	NoCal	4.368	#
17) TM	Naphthalene	10.245	10.243	1600	1735	NoCal	0.170	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

592310

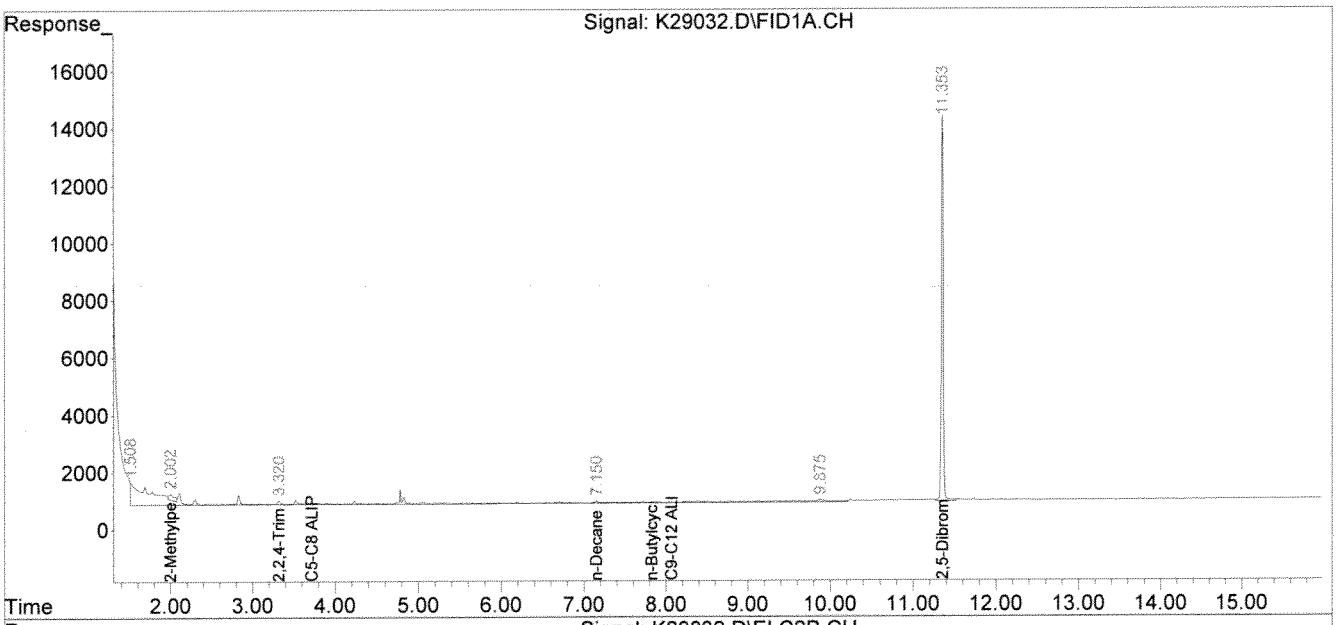
Quantitation Report (Not Reviewed)

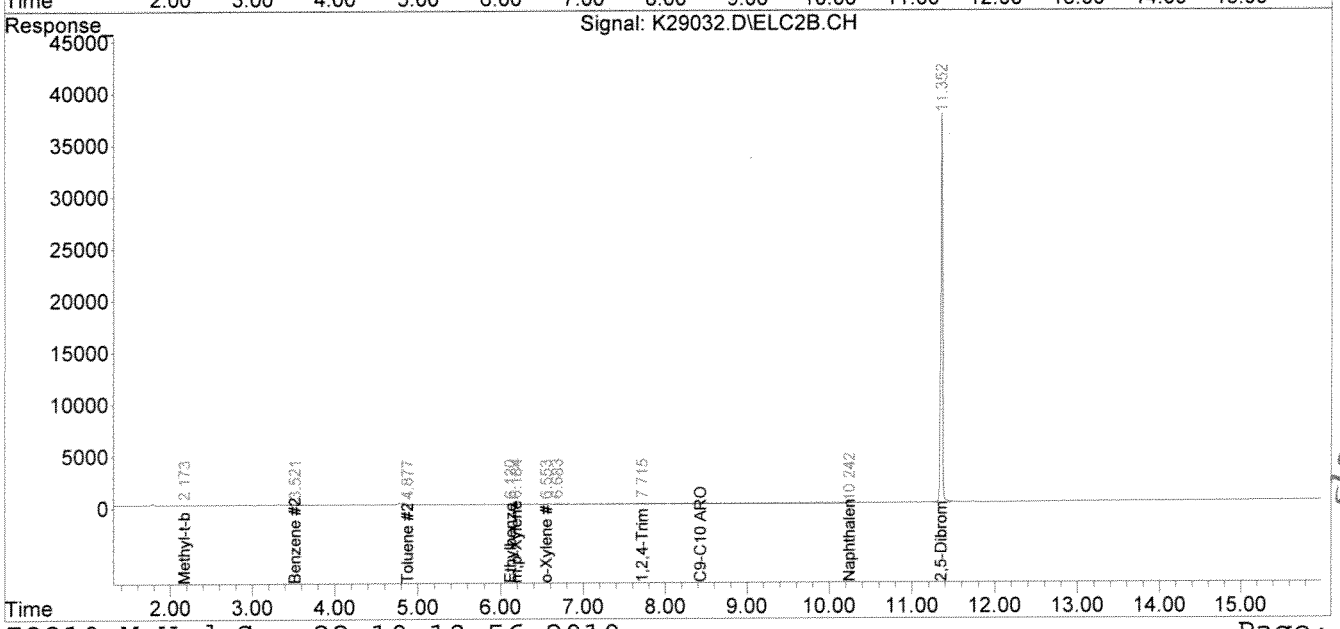
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29032.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 11:32 pm
Operator : JJL
Sample : 67834-12
Misc : 100,8.51,SOIL
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:18:25 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





09230

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM2-B-5

SAMPLE DATA

Lab Sample ID: 67834-14
Matrix: Solid
Percent Solid: 79
Dilution Factor: 74
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3700	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3700	µg/kg	U
Benzene	C5-C8	150	µg/kg	U
Ethylbenzene	C9-C12	150	µg/kg	U
Methyl-tert-butyl ether	C5-C8	150	µg/kg	U
Naphthalene	N/A	150	µg/kg	U
Toluene	C5-C8	150	µg/kg	U
m- & p-Xylenes	C9-C12	300	µg/kg	U
o-Xylene	C9-C12	150	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3700	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3700	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	740	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				84
Surrogate % Recovery (2,5-Dibromotoluene) FID				80
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67834-14**
Data File Name	K29033.D
Date Acquired	9/21/2010 23:57
Misc Info	100,10.33,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.33
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.7939**
% Moisture (divided by 100)	0.2061
Vol. entrained water (mL)	2.1290
Total MeOH/water vol (mL)	12.1290
Dilution Factor	60.97
Moisture Corrected Dilution Factor	73.95

BB 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3697	
Unadjusted C9-C12 Aliphatics	U		3697	
Benzene	U		148	
Ethylbenzene	U		148	
Methyl-t-butylether	U		148	
Naphthalene	U		148	ND
Toluene	U		148	
m,p-Xylenes	U		296	
o-Xylene	U		148	
C5-C8 Aliphatic Hydrocarbons	U		3697	
C9-C12 Aliphatic Hydrocarbons	U		3697	
C9-C10 Aromatic Hydrocarbons	U		739	
PID Surrogate % Recovery	84%		70-130%	PASS
FID Surrogate % Recovery	80%		70-130%	PASS

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	28.30	0.00	207292						0
C9-C12 ALIPHATICS	8.34	0.00	59466						0
2,5-Dibromotoluene	65.93		193924						
PID RESULTS									
Methyl-t-butylether #2	0.18	0.00	862	2.198	2.183	0.0477	OK	0.00	0
Benzene #2	0.21	0.00	2728	3.523	3.512	0.0380	OK	0.00	0
Toluene #2	0.10	0.00	1134	4.885	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.08	0.00	871	6.119	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.10	0.00	1273	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.07	0.00	787	6.564	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.15	0.00	1528	10.247	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	4.31	0.00	50883						0
2,5-Dibromotoluene #2	69.24		546498						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

592310

9/22/2010 10:19 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29033.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 11:57 pm
Operator : JJL
Sample : 67834-14
Misc : 100,10.33,SOIL
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:19:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.354	11.354	193924	546498	65.931	69.239
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	65.93%# 69.24%#
	Target Compounds						
2) Z	2-Methylp...	2.002	2.034	7885	354	0.963	NoCal #
3) TM	Methyl-t-...	0.000	2.197	0	862	N.D.	0.185 #
4) Z	2,2,4-Tri...	3.250	3.258	78	181	0.010	NoCal #
5) TM	Benzene	3.523	3.523	3115	2728	NoCal	0.210 #
6) TM	Toluene	4.881	4.885	819	1134	NoCal	0.095 #
7) XH	C5-C8 ALI...	3.717	0.000	207292	0	28.301	N.D. #
9) TM	Ethylbenzene	6.123	6.119	717	871	NoCal	0.080 #
10) TM	m,p-Xylene	6.185	6.187	964	1273	NoCal	0.101 #
11) TM	o-Xylene	6.557	6.564	722	787	NoCal	0.070 #
12) Z	n-Decane	7.152	7.148	1339	558	0.194	NoCal #
13) Z	n-Butylcy...	7.822	7.820	539	842	0.073	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	59466	0	8.341	N.D. #
15) ZM	1,2,4-Tri...	7.718	7.719	1226	2101	NoCal	0.178 #
16) XH	C9-C10 AR...	10.410	8.424	20	50883	NoCal	4.314 #
17) TM	Naphthalene	10.243	10.247	1162	1528	NoCal	0.150 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

392310

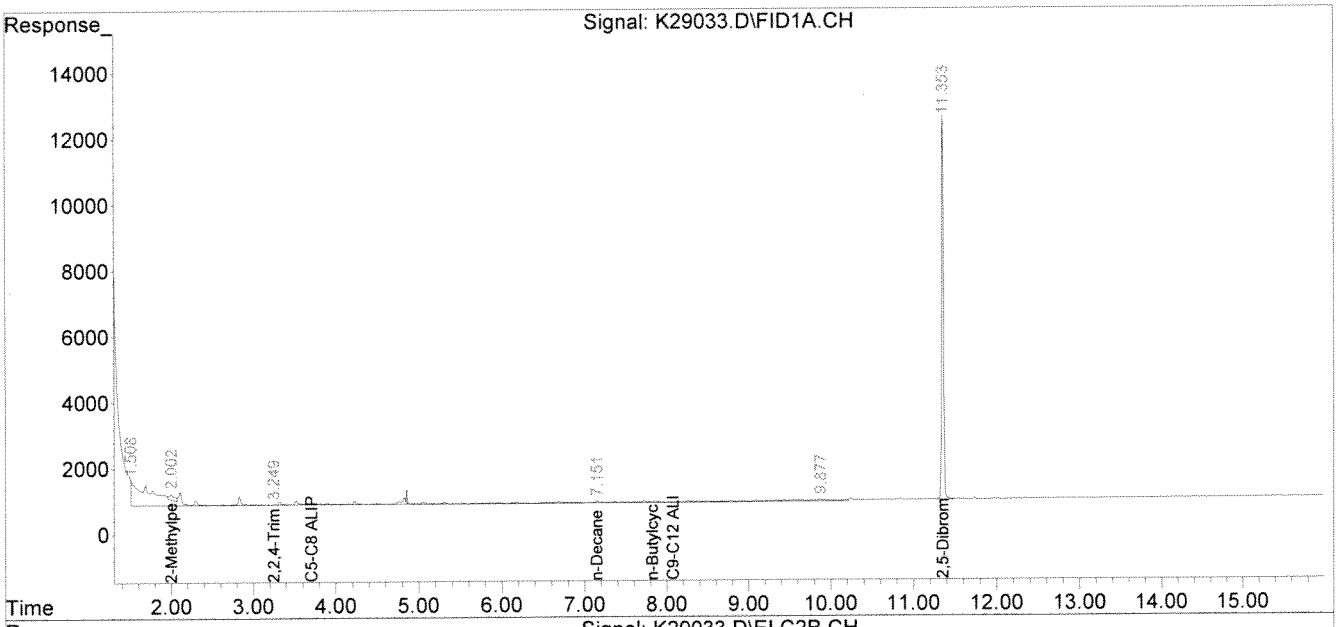
Quantitation Report (Not Reviewed)

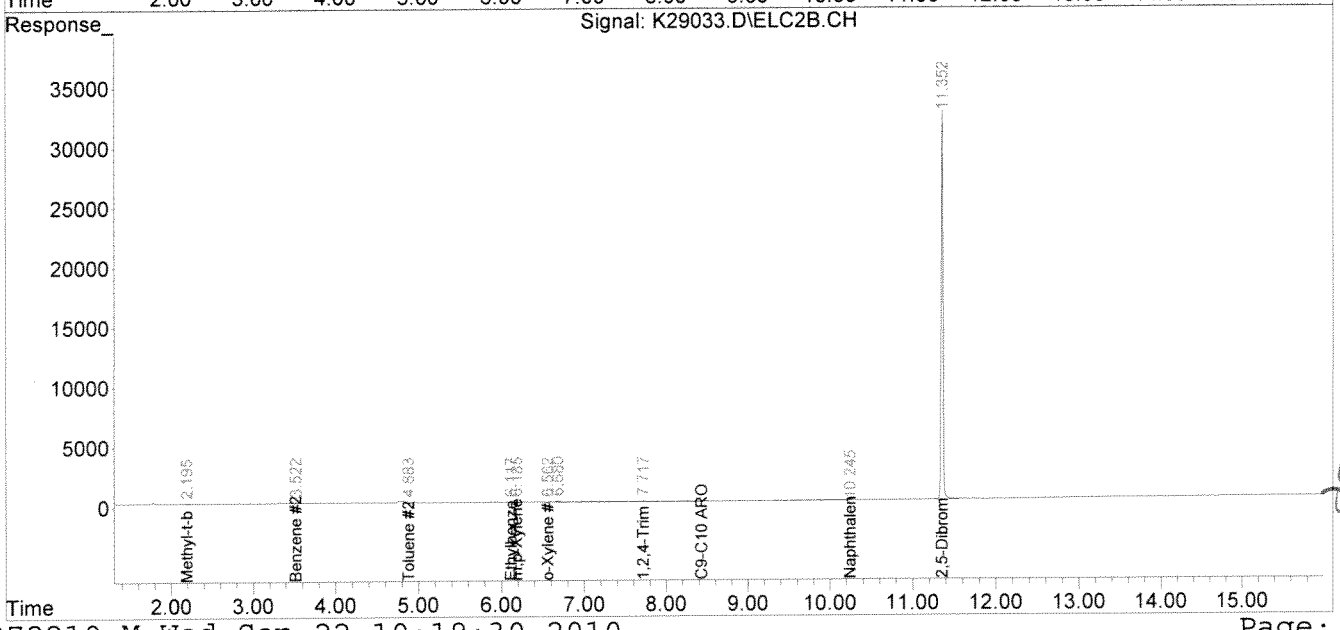
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29033.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 11:57 pm
Operator : JJL
Sample : 67834-14
Misc : 100,10.33,SOIL
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:19:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092310

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-SW-01

SAMPLE DATA

Lab Sample ID: 67834-15
Matrix: Solid
Percent Solid: 90
Dilution Factor: 61
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3050	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3050	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	240	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3050	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3050	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	610	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				93
Surrogate % Recovery (2,5-Dibromotoluene) FID				89
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67834-15**
Data File Name	K29034.D
Date Acquired	9/22/2010 12:22 ✓
Misc Info	100,10.00,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00** ✓
% Solid (divided by 100)	**0.9038**
% Moisture (divided by 100)	0.0962
Vol. entrained water (mL)	0.9620
Total MeOH/water vol (mL)	10.9620
Dilution Factor	55.32
Moisture Corrected Dilution Factor	60.64

gg 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3032	
Unadjusted C9-C12 Aliphatics	U		3032	
Benzene	U		121	
Ethylbenzene	U		121	
Methyl-t-butylether	U		121	
Naphthalene	U		121	
Toluene	U		121	ND
m,p-Xylenes	U		243	
o-Xylene	U		121	
C5-C8 Aliphatic Hydrocarbons	U		3032	
C9-C12 Aliphatic Hydrocarbons	U		3032	
C9-C10 Aromatic Hydrocarbons	U		606	
PID Surrogate % Recovery	93%		70-130%	PASS ✓
FID Surrogate % Recovery	89%		70-130%	PASS ✓

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	30.53 ✓	0.00	223621						0
C9-C12 ALIPHATICS	7.01 ✓	0.00	49979						0
2,5-Dibromotoluene	81.41		239449						
PID RESULTS									
Methyl-t-butylether #2	0.06	0.00	288	2.183	2.183	0.0477	OK	0.00	0
Benzene #2	0.20	0.00	2655	3.524	3.512	0.0380	OK	0.00	0
Toluene #2	0.10	0.00	1147	4.884	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.06	0.00	651	6.118	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.10	0.00	1238	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.05	0.00	613	6.562	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.19	0.00	1909	10.245	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	3.77 ✓	0.00	44497						0
2,5-Dibromotoluene #2	85.24		672760						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

592360

9/22/2010 10:19 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29034.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 12:22 am
Operator : JJL
Sample : 67834-15
Misc : 100,10.00,SOIL
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:19:34 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.353	239449	672760	81.408	85.236	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	81.41%	85.24%
	Target Compounds							
2) Z	2-Methylp...	2.003	2.014	7647	509	0.934	NoCal	#
3) TM	Methyl-t-...	0.000	2.183	0	288	N.D.	0.062	#
4) Z	2,2,4-Tri...	3.264	3.321	130	3068	0.017	NoCal	#
5) TM	Benzene	3.524	3.524	2975	2655	NoCal	0.204	#
6) TM	Toluene	4.878	4.884	589	1147	NoCal	0.096	#
7) XH	C5-C8 ALI...	3.717	0.000	223621	0	30.530	N.D.	#
9) TM	Ethylbenzene	6.103	6.118	385	651	NoCal	0.060	#
10) TM	m,p-Xylene	6.189	6.187	1096	1238	NoCal	0.099	#
11) TM	o-Xylene	6.556	6.562	1274	613	NoCal	0.055	#
12) Z	n-Decane	7.152	7.150	1677	193	0.243	NoCal	#
13) Z	n-Butylcy...	7.819	7.827	357	273	0.048	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	49979	0	7.011	N.D.	#
15) ZM	1,2,4-Tri...	7.717	7.714	1457	1186	NoCal	0.101	#
16) XH	C9-C10 AR...	10.410	8.424	12	44497	NoCal	3.772	#
17) TM	Naphthalene	10.243	10.245	1332	1909	NoCal	0.187	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J 92310

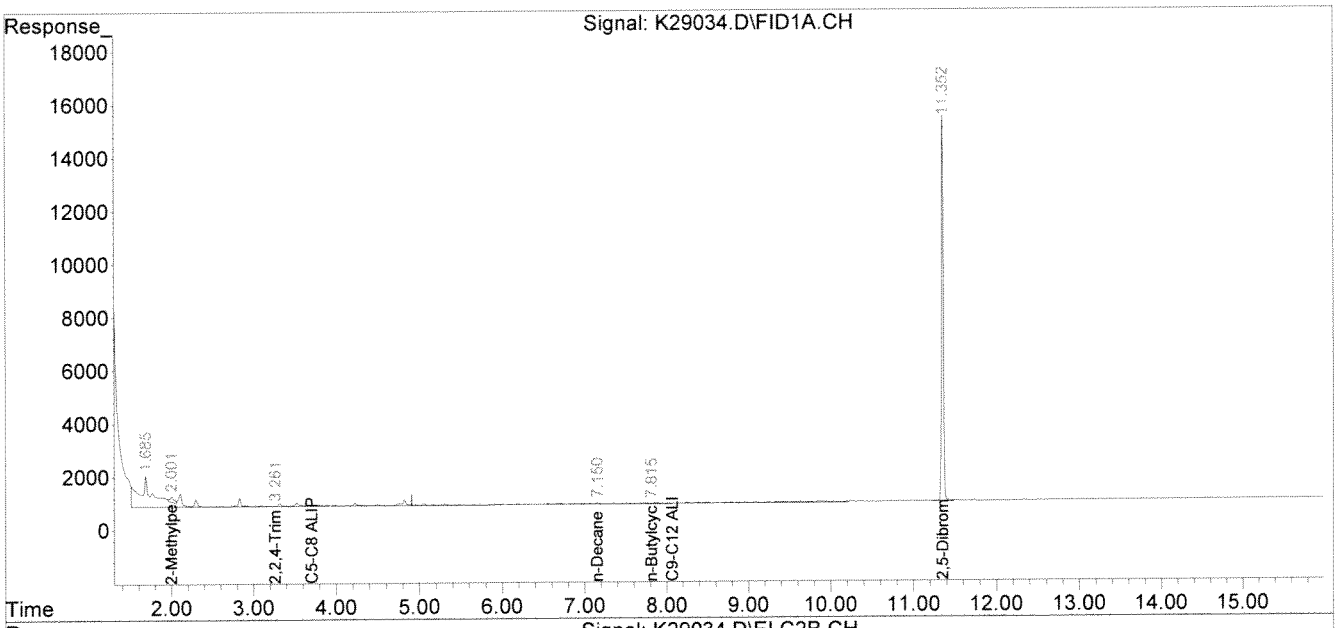
Quantitation Report (Not Reviewed)

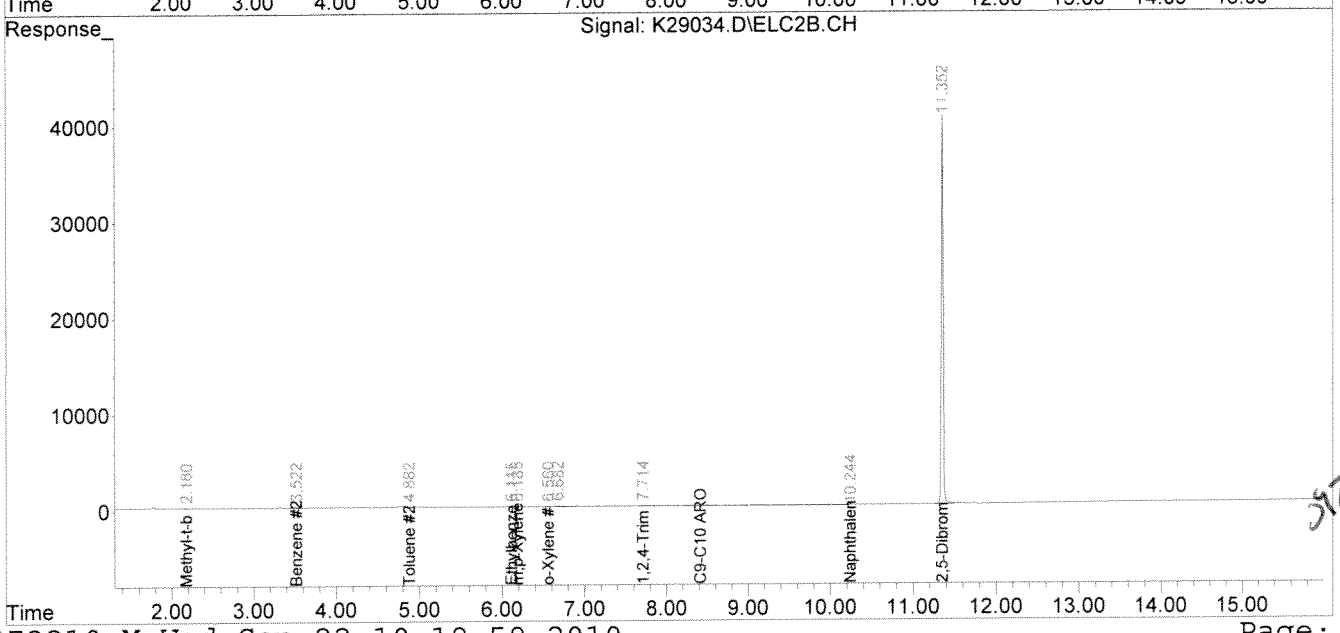
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29034.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 12:22 am
Operator : JJL
Sample : 67834-15
Misc : 100,10.00,SOIL
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:19:34 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





312210

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-SW-03

SAMPLE DATA

Lab Sample ID: 67834-16
Matrix: Solid
Percent Solid: 95
Dilution Factor: 62
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3100	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3100	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	250	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3100	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3100	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	620	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				86
Surrogate % Recovery (2,5-Dibromotoluene) FID				82
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: Mahlhall

VPH SOIL REPORT

Sample Name	**67834-16**
Data File Name	K29035.D
Date Acquired	9/22/2010 12:46
Misc Info	100,8.92,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	8.92
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9477**
% Moisture (divided by 100)	0.0523
Vol. entrained water (mL)	0.4665
Total MeOH/water vol (mL)	10.4665
Dilution Factor	59.15
Moisture Corrected Dilution Factor	61.91

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3095	
Unadjusted C9-C12 Aliphatics	U		3095	
Benzene	U		124	
Ethylbenzene	U		124	
Methyl-t-butylether	U		124	
Naphthalene	U		124	ND
Toluene	U		124	
m,p-Xylenes	U		248	
o-Xylene	U		124	
C5-C8 Aliphatic Hydrocarbons	U		3095	
C9-C12 Aliphatic Hydrocarbons	U		3095	
C9-C10 Aromatic Hydrocarbons	U		619	
PID Surrogate % Recovery	86%		70-130%	PASS
FID Surrogate % Recovery	82%		70-130%	PASS

SS 9/22/10

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	33.18	0.00	243064						0
C9-C12 ALIPHATICS	7.58	0.00	54039						0
2,5-Dibromotoluene	78.18		229967						
PID RESULTS									
Methyl-t-butylether #2	0.18	0.00	848	2.199	2.183	0.0477	OK	0.00	0
Benzene #2	0.21	0.00	2706	3.522	3.512	0.0380	OK	0.00	0
Toluene #2	0.10	0.00	1135	4.870	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.06	0.00	642	6.125	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.10	0.00	1199	6.184	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.10	0.00	1126	6.548	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.15	0.00	1525	10.245	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	3.37	0.00	39737						0
2,5-Dibromotoluene #2	81.81		645728						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

D92310

9/22/2010 10:20 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29035.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 12:46 am
Operator : JJL
Sample : 67834-16
Misc : 100,8.92,SOIL
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:20:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18)	S 2,5-Dibro...	11.354	11.353	229967	645728	78.185	81.811	
	Spiked Amount 100.000 Range 70 - 130 Recovery = 78.19% 81.81%							
	Target Compounds							
2)	Z 2-Methylp...	2.003	2.042	9212	354	1.126	NoCal	#
3)	TM Methyl-t-...	2.231	2.199	19	848	NoCal	0.182	#
4)	Z 2,2,4-Tri...	3.320	3.321	3190	3696	0.413	NoCal	#
5)	TM Benzene	3.524	3.522	2927	2706	NoCal	0.208	#
6)	TM Toluene	4.938	4.870	224	1135	NoCal	0.095	#
7)	XH C5-C8 ALI...	3.717	0.000	243064	0	33.184	N.D.	#
9)	TM Ethylbenzene	6.120	6.125	699	642	NoCal	0.059	#
10)	TM m,p-Xylene	6.188	6.184	976	1199	NoCal	0.096	#
11)	TM o-Xylene	6.565	6.548	689	1126	NoCal	0.101	#
12)	Z n-Decane	7.151	7.151	1130	785	0.164	NoCal	#
13)	Z n-Butylcy...	7.816	7.817	475	622	0.065	NoCal	#
14)	XH C9-C12 AL...	8.070	0.000	54039	0	7.580	N.D.	#
15)	ZM 1,2,4-Tri...	7.717	7.712	1081	1296	NoCal	0.110	#
16)	XH C9-C10 AR...	10.410	8.424	11	39737	NoCal	3.369	#
17)	TM Naphthalene	10.245	10.245	1239	1525	NoCal	0.150	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

092310

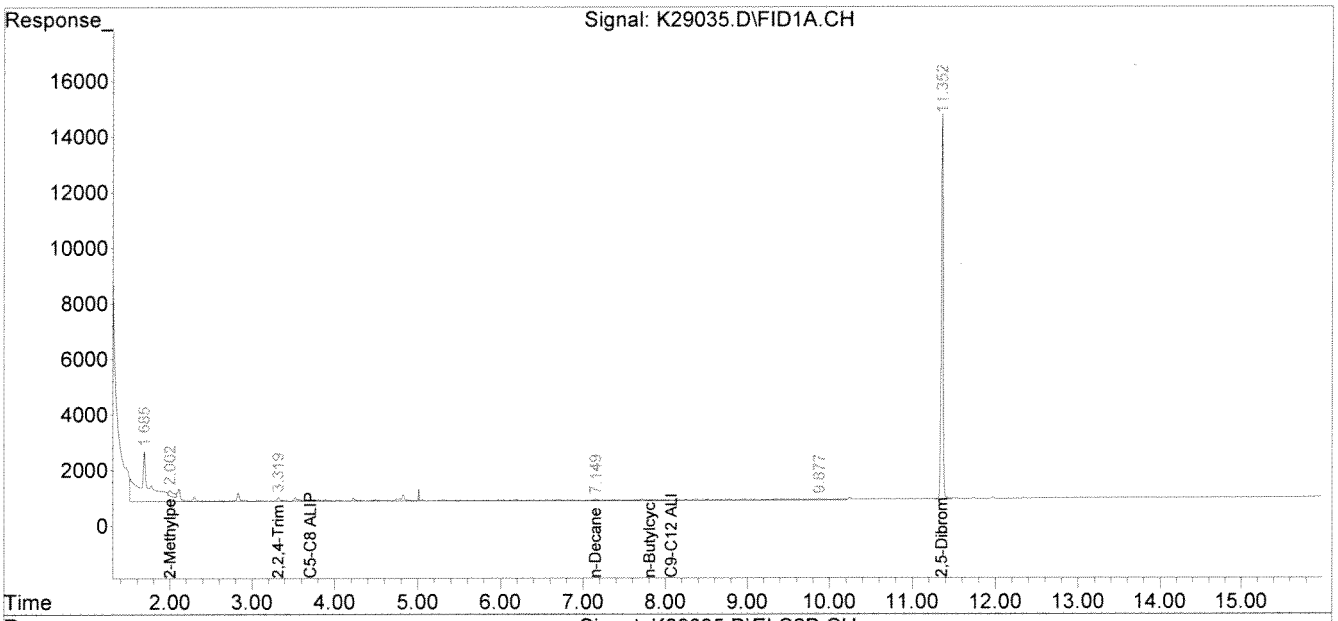
Quantitation Report (Not Reviewed)

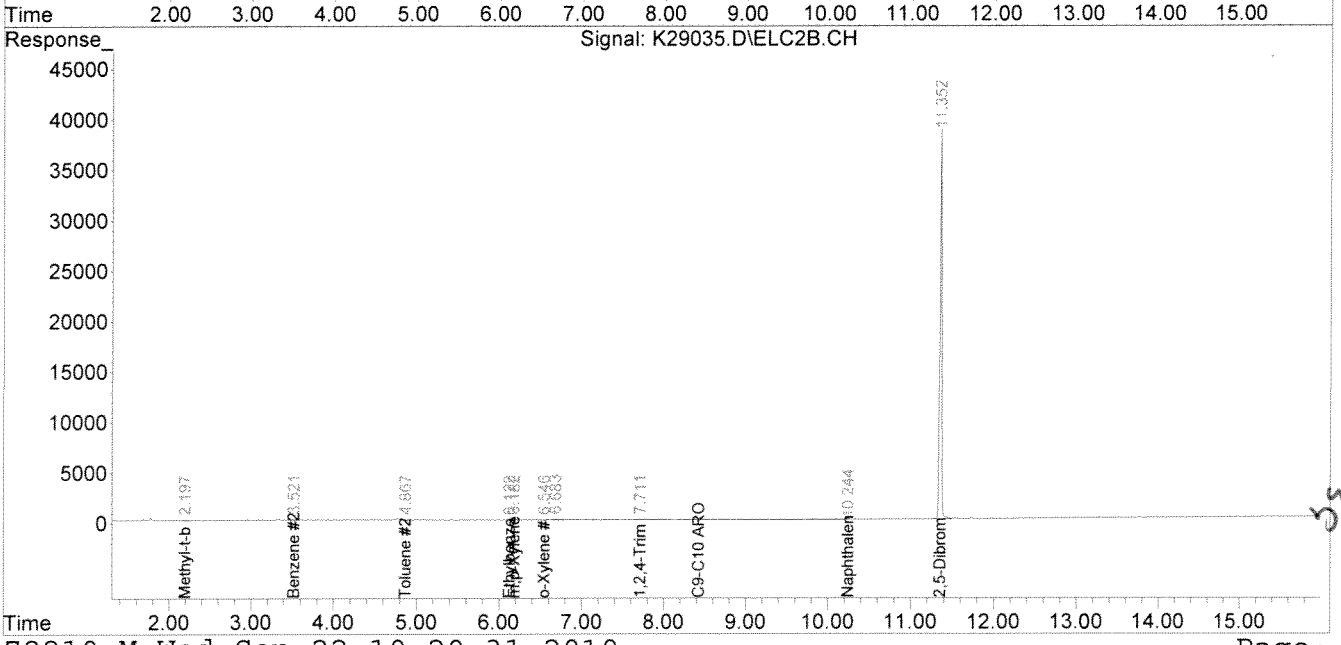
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29035.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 12:46 am
Operator : JJL
Sample : 67834-16
Misc : 100,8.92,SOIL
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:20:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-B-5

SAMPLE DATA

Lab Sample ID: 67834-17
Matrix: Solid
Percent Solid: 94
Dilution Factor: 66
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3300	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3300	µg/kg	**5900**
Benzene	C5-C8	130	µg/kg	U
Ethylbenzene	C9-C12	130	µg/kg	U
Methyl-tert-butyl ether	C5-C8	130	µg/kg	U
Naphthalene	N/A	130	µg/kg	**393**
Toluene	C5-C8	130	µg/kg	U
m- & p-Xylenes	C9-C12	260	µg/kg	U
o-Xylene	C9-C12	130	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3300	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3300	µg/kg	**3640**
C9-C10 Aromatic Hydrocarbons[1]	N/A	660	µg/kg	**2250**
Surrogate % Recovery (2,5-Dibromotoluene) PID				93
Surrogate % Recovery (2,5-Dibromotoluene) FID				91
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67834-17**
Data File Name	K29036.D
Date Acquired	9/22/2010 1:11
Misc Info	100,8.53,SOIL ✓
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	8.53
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9354** ✓
% Moisture (divided by 100)	0.0646
Vol. entrained water (mL)	0.5510
Total MeOH/water vol (mL)	10.5510
Dilution Factor	62.66
Moisture Corrected Dilution Factor	66.12

gg 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3306	
Unadjusted C9-C12 Aliphatics	5902		3306	
Benzene	U		132	
Ethylbenzene	U		132	
Methyl-t-butylether	U		132	
Naphthalene	393		132	
Toluene	U		132	
m,p-Xylenes	U		264	
o-Xylene	U		132	
C5-C8 Aliphatic Hydrocarbons	U		3306	
C9-C12 Aliphatic Hydrocarbons	3645		3306	
C9-C10 Aromatic Hydrocarbons	2257		661	
PID Surrogate % Recovery	93%		70-130%	PASS ✓
FID Surrogate % Recovery	91%		70-130%	PASS ✓

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	31.27 ✓	0.00	229058						0
C9-C12 ALIPHATICS	89.27 ✓	5902.33	636403						5902
2,5-Dibromotoluene	86.42		254200						
PID RESULTS									
Methyl-t-butylether #2	0.06	0.00	276	2.188	2.183	0.0477	OK	0.00	0
Benzene #2	0.18	0.00	2348	3.524	3.512	0.0380	OK	0.00	0
Toluene #2	0.33	0.00	3994	4.825	4.883	0.0344	*	0.00	0
Ethylbenzene #2	0.07	0.00	727	6.116	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.09	0.00	1099	6.190	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.13	0.00	1473	6.562	6.561	0.0344	OK	0.00	0
Naphthalene #2	5.94	393.00	60583	10.238	10.248	0.0344	OK	393.00	393
C9-C10 AROMATICS #2	34.14 ✓	2257.10	402687						2257
2,5-Dibromotoluene #2	88.09		695251						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									3645

97340

9/22/2010 10:22 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29036.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 1:11 am
Operator : JJL
Sample : 67834-17
Misc : 100,8.53,SOIL
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:21:29 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.353	11.352	254200	695251	86.423m	88.085m
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	86.42% 88.08%
	Target Compounds						
2) Z	2-Methylp...	2.003	2.036	8063	560	0.985	NoCal #
3) TM	Methyl-t-...	0.000	2.188	0	276	N.D.	0.059 #
4) Z	2,2,4-Tri...	3.322	3.320	3303	2445	0.428	NoCal #
5) TM	Benzene	3.523	3.524	3170	2348	NoCal	0.180 #
6) TM	Toluene	4.881	4.825	688	3994	NoCal	0.335 #
7) XH	C5-C8 ALI...	3.717	0.000	229058	0	31.272	N.D. #
9) TM	Ethylbenzene	6.120	6.116	950	727	NoCal	0.067 #
10) TM	m,p-Xylene	6.186	6.190	906	1099	NoCal	0.088 #
11) TM	o-Xylene	6.558	6.562	593	1473	NoCal	0.132 #
12) Z	n-Decane	7.151	7.148	2379	1097	0.345	NoCal #
13) Z	n-Butylcy...	7.840	7.837	6689	2228	0.909	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	636403	0	89.270	N.D. #
15) ZM	1,2,4-Tri...	7.720	7.719	3015	1136	NoCal	0.096 #
16) XH	C9-C10 AR...	10.410	8.424	18	402687	NoCal	34.138 #
17) TM	Naphthalene	10.240	10.238	85110	60583	NoCal	5.944 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

59730

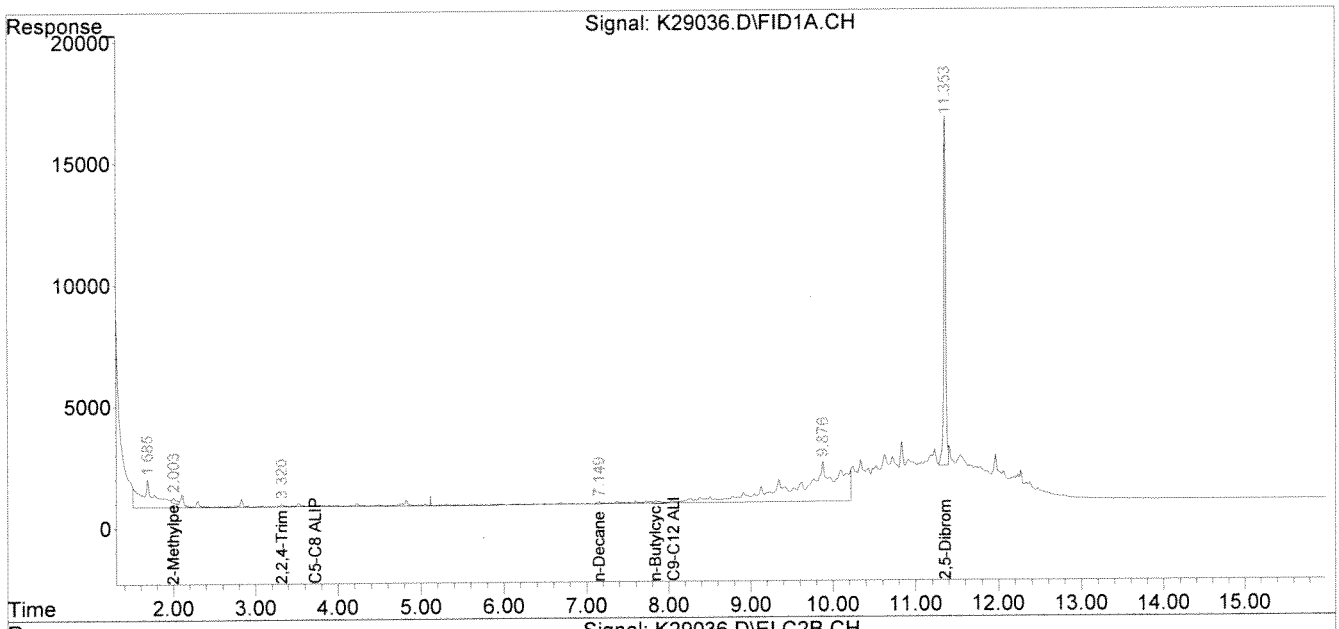
Quantitation Report (QT Reviewed)

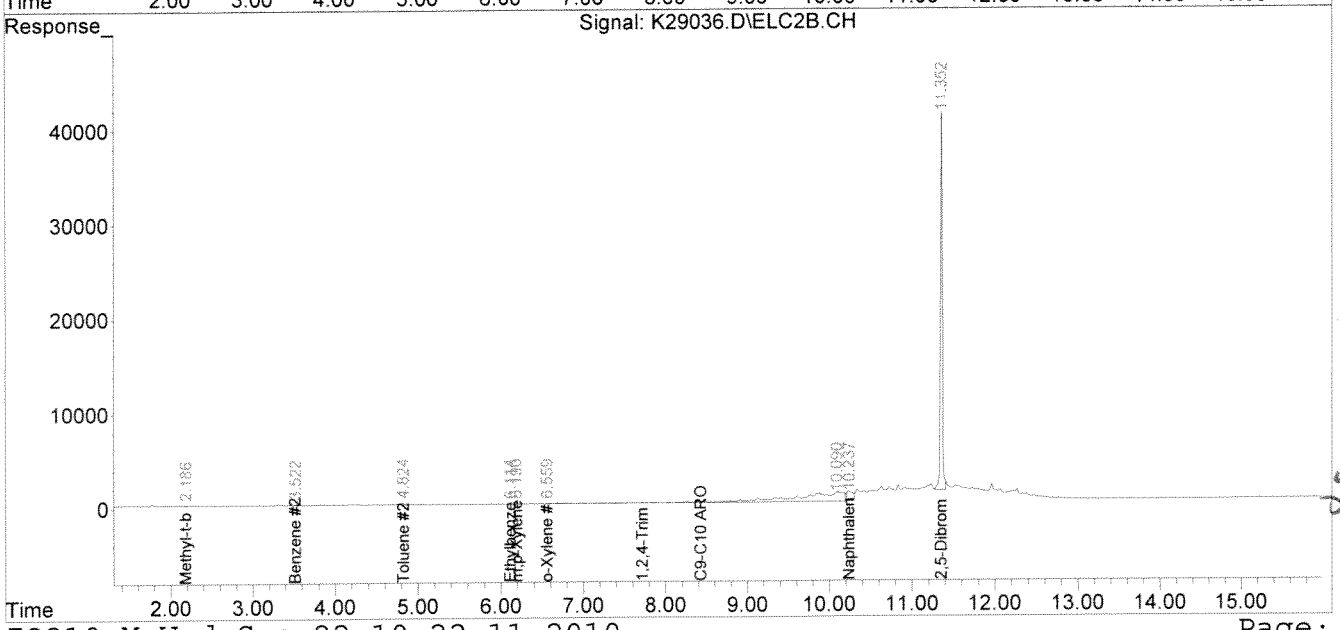
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29036.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 1:11 am
Operator : JJL
Sample : 67834-17
Misc : 100,8.53,SOIL
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:21:29 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





92340

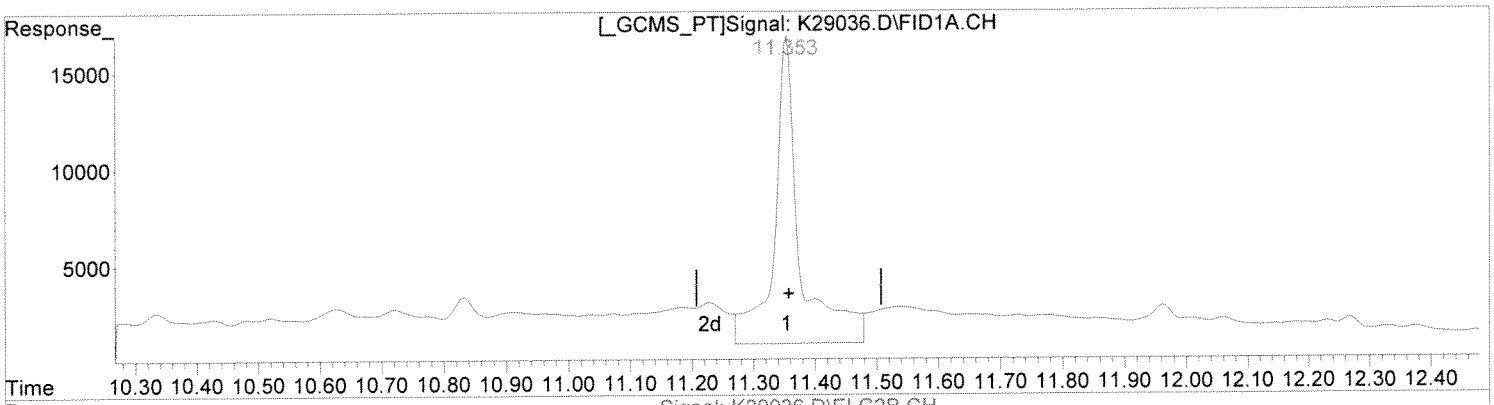
Quantitation Report (Qedit)

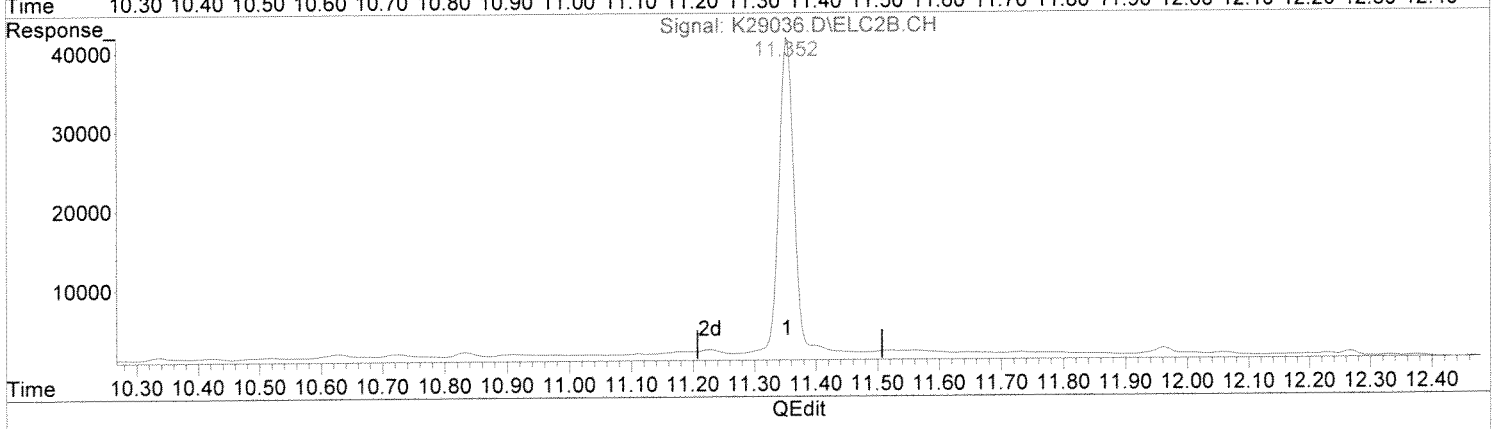
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29036.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 1:11 am
Operator : JJL
Sample : 67834-17
Misc : 100,8.53,SOIL
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:20:35 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10 ★E.A.

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(18) 2,5-Dibromotoluene (S)
11.354min 154.955ug/L
response 455775

(18) 2,5-Dibromotoluene #2 (S)
11.354min 107.884ug/L
response 851521

092310

(+) = Expected Retention Time

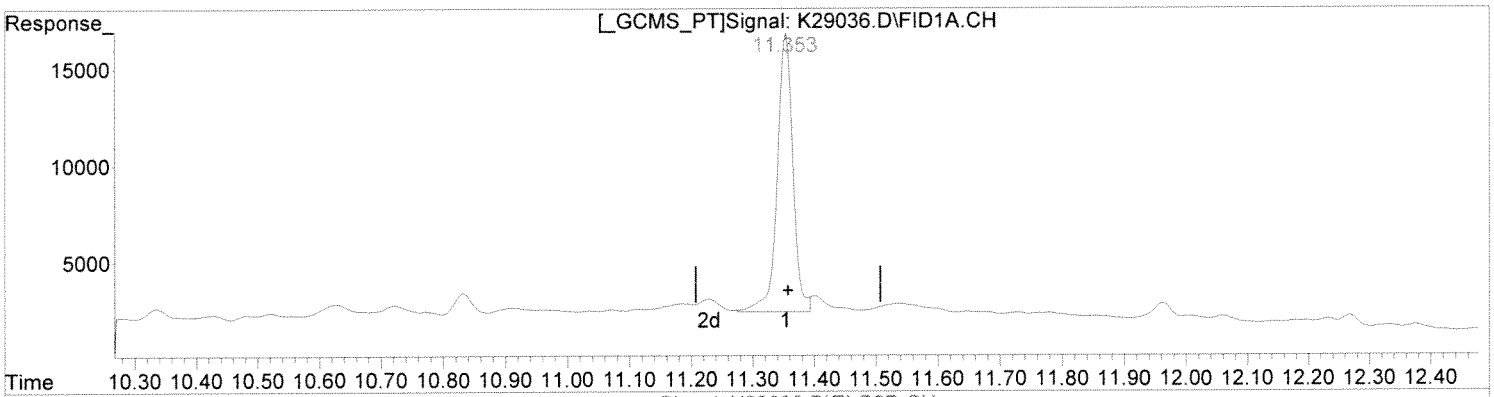
Quantitation Report (Qedit)

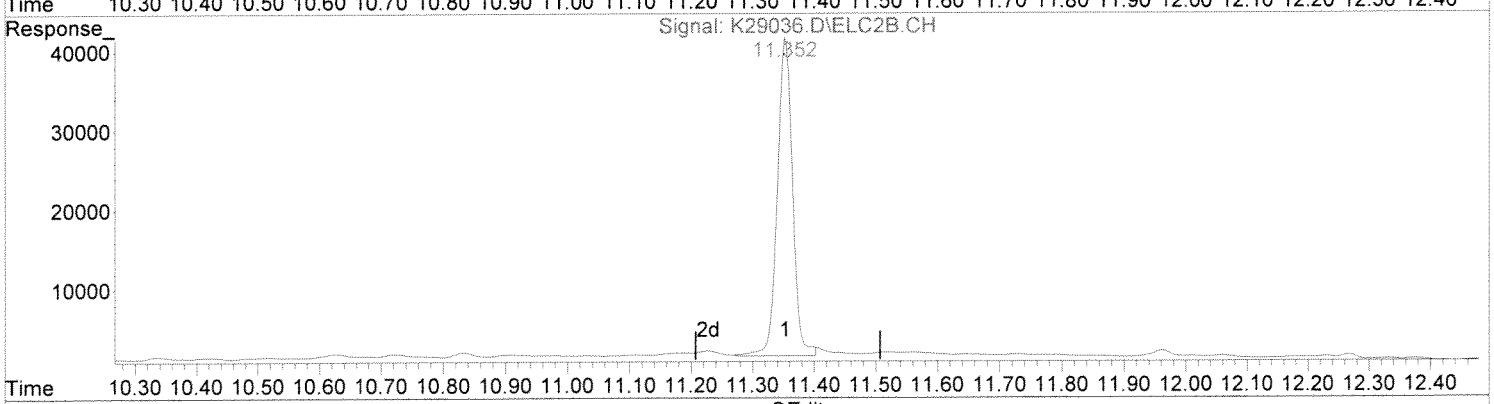
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29036.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 1:11 am
Operator : JJL
Sample : 67834-17
Misc : 100,8.53,SOIL
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:20:35 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

BS 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





QEdit

(18) 2,5-Dibromotoluene (S)
11.353min 86.423ug/L m
response 254200

(18) 2,5-Dibromotoluene #2 (S)
11.352min 88.085ug/L m
response 695251

J92340

(+) = Expected Retention Time

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-SW-04

SAMPLE DATA

Lab Sample ID: 67834-18
Matrix: Solid
Percent Solid: 94
Dilution Factor: 60
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3000	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3000	µg/kg	U
Benzene	C5-C8	120	µg/kg	U
Ethylbenzene	C9-C12	120	µg/kg	U
Methyl-tert-butyl ether	C5-C8	120	µg/kg	U
Naphthalene	N/A	120	µg/kg	U
Toluene	C5-C8	120	µg/kg	U
m- & p-Xylenes	C9-C12	240	µg/kg	U
o-Xylene	C9-C12	120	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3000	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3000	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	600	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				95
Surrogate % Recovery (2,5-Dibromotoluene) FID				101
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67834-18**
Data File Name	K29037.D
Date Acquired	9/22/2010 1:36
Misc Info	100,9.35,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	9.35
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9388**
% Moisture (divided by 100)	0.0612
Vol. entrained water (mL)	0.5722
Total MeOH/water vol (mL)	10.5722
Dilution Factor	56.96
Moisture Corrected Dilution Factor	60.22

88 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3011	
Unadjusted C9-C12 Aliphatics	U		3011	
Benzene	U		120	
Ethylbenzene	U		120	
Methyl-t-butylether	U		120	
Naphthalene	U		120	ND
Toluene	U		120	
m,p-Xylenes	U		241	
o-Xylene	U		120	
C5-C8 Aliphatic Hydrocarbons	U		3011	
C9-C12 Aliphatic Hydrocarbons	U		3011	
C9-C10 Aromatic Hydrocarbons	U		602	
PID Surrogate % Recovery	95%		70-130%	PASS
FID Surrogate % Recovery	101%		70-130%	PASS

RAW DATA

FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	29.21	0.00	213981						0
C9-C12 ALIPHATICS	10.53	0.00	75063						0
2,5-Dibromotoluene	96.00		282367						
PID RESULTS									
Methyl-t-butylether #2	0.12	0.00	561	2.199	2.183	0.0477	OK	0.00	0
Benzene #2	0.18	0.00	2323	3.523	3.512	0.0380	OK	0.00	0
Toluene #2	0.07	0.00	874	4.878	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.08	0.00	918	6.127	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.10	0.00	1224	6.190	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.06	0.00	673	6.546	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.26	0.00	2632	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	5.43	0.00	64101						0
2,5-Dibromotoluene #2	90.21		712033						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

J 92310

9/22/2010 10:23 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29037.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 1:36 am
Operator : JJL
Sample : 67834-18
Misc : 100,9.35,SOIL
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:22:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18)	S 2,5-Dibro...	11.354	11.353	282367	712033	96.000	90.212	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	96.00%	90.21%
	Target Compounds							
2)	Z 2-Methylp...	2.002	2.020	7389	692	0.903	NoCal	#
3)	TM Methyl-t-...	0.000	2.199	0	561	N.D.	0.120	#
4)	Z 2,2,4-Tri...	3.260	3.321	246	2858	0.032	NoCal	#
5)	TM Benzene	3.522	3.523	3147	2323	NoCal	0.179	#
6)	TM Toluene	4.881	4.878	431	874	NoCal	0.073	#
7)	XH C5-C8 ALI...	3.717	0.000	213981	0	29.214	N.D.	#
9)	TM Ethylbenzene	6.125	6.127	672	918	NoCal	0.084	#
10)	TM m,p-Xylene	6.188	6.190	689	1224	NoCal	0.098	#
11)	TM o-Xylene	6.565	6.546	439	673	NoCal	0.060	#
12)	Z n-Decane	7.153	7.169	1593	503	0.231	NoCal	#
13)	Z n-Butylcy...	7.813	7.829	707	852	0.096	NoCal	#
14)	XH C9-C12 AL...	8.070	0.000	75063	0	10.529	N.D.	#
15)	ZM 1,2,4-Tri...	7.717	7.714	1759	1486	NoCal	0.126	#
16)	XH C9-C10 AR...	10.410	8.424	22	64101	NoCal	5.434	#
17)	TM Naphthalene	10.246	10.244	3086	2632	NoCal	0.258	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

5/2360

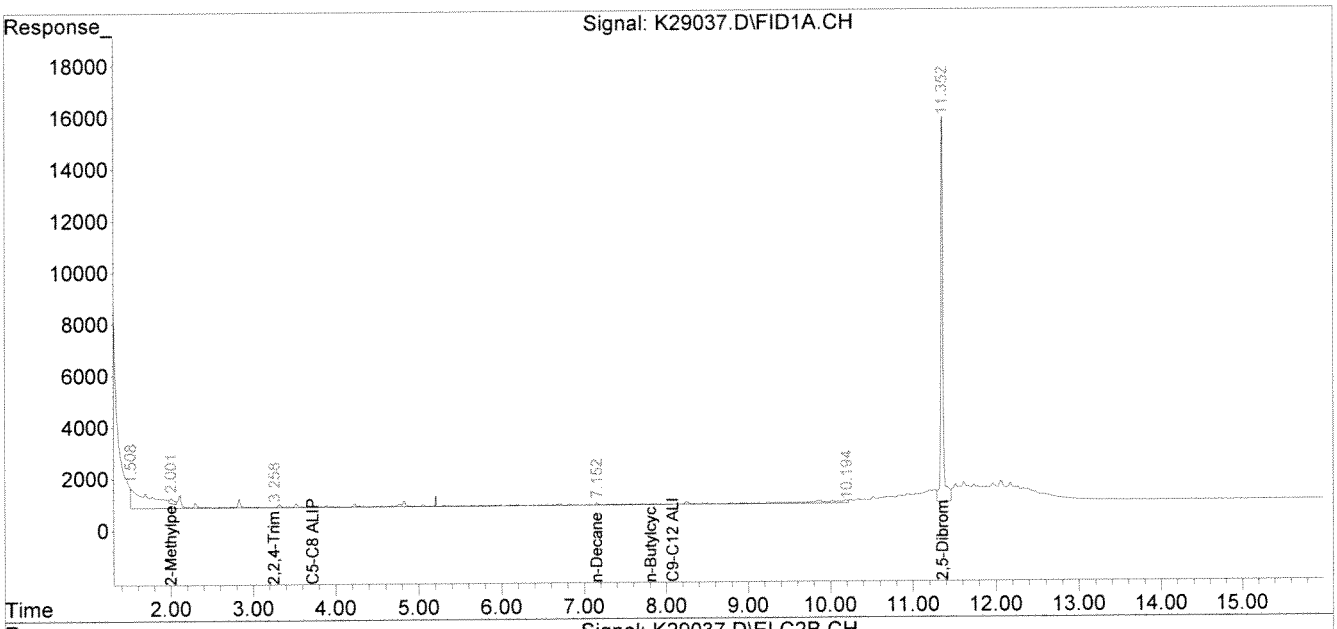
Quantitation Report (QT Reviewed)

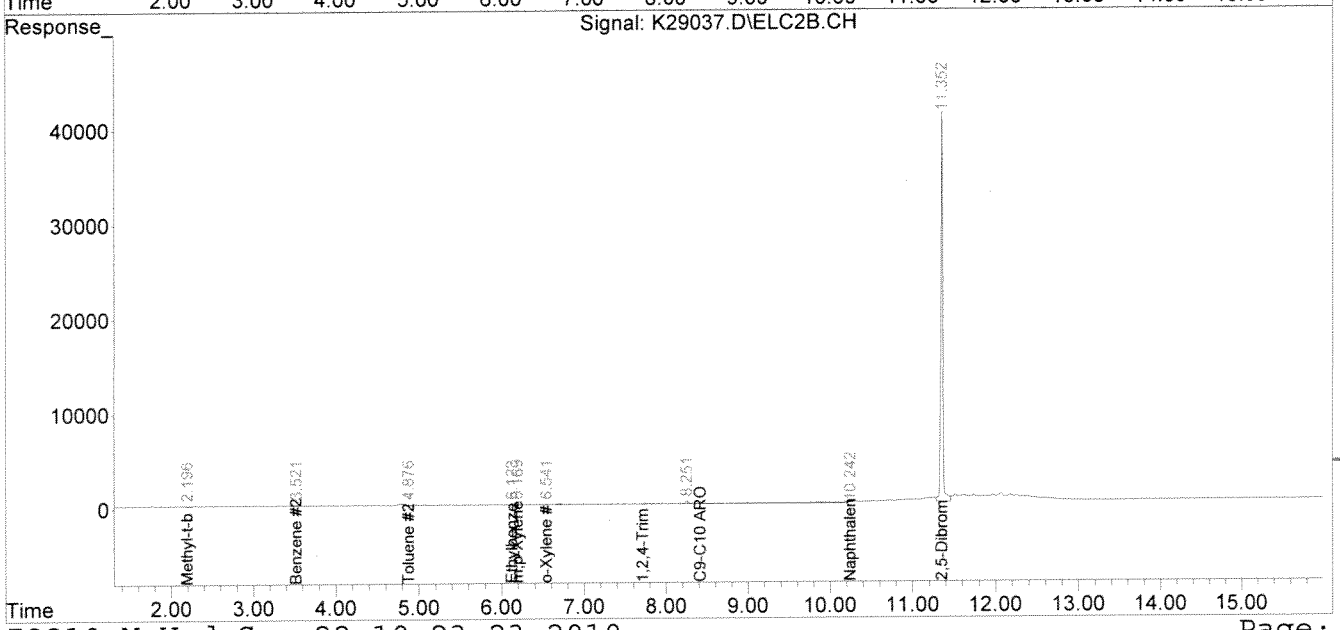
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29037.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 1:36 am
Operator : JJL
Sample : 67834-18
Misc : 100,9.35,SOIL
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:22:24 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J923w

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-SW-04D

SAMPLE DATA

Lab Sample ID: 67834-19
Matrix: Solid
Percent Solid: 94
Dilution Factor: 70
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/22/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3500	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	280	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	700	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				86
Surrogate % Recovery (2,5-Dibromotoluene) FID				84
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67834-19**
Data File Name	K29038.D
Date Acquired	9/22/2010 2:00
Misc Info	100,7.90,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	7.90
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9436**
% Moisture (divided by 100)	0.0564
Vol. entrained water (mL)	0.4456
Total MeOH/water vol (mL)	10.4456
Dilution Factor	67.07
Moisture Corrected Dilution Factor	70.06

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3503	
Unadjusted C9-C12 Aliphatics	U		3503	
Benzene	U		140	
Ethylbenzene	U		140	
Methyl-t-butylether	U		140	
Naphthalene	U		140	
Toluene	U		140	ND
m,p-Xylenes	U		280	
o-Xylene	U		140	
C5-C8 Aliphatic Hydrocarbons	U		3503	
C9-C12 Aliphatic Hydrocarbons	U		3503	
C9-C10 Aromatic Hydrocarbons	U		701	
PID Surrogate % Recovery	86%		70-130%	PASS
FID Surrogate % Recovery	84%		70-130%	PASS

9/22/10

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	29.60	0.00	216836						0
C9-C12 ALIPHATICS	7.72	0.00	55003						0
2,5-Dibromotoluene	80.12		235664						
PID RESULTS									
Methyl-t-butylether #2	0.03	0.00	136	2.186	2.183	0.0477	OK	0.00	0
Benzene #2	0.21	0.00	2705	3.522	3.512	0.0380	OK	0.00	0
Toluene #2	0.03	0.00	343	4.929	4.883	0.0344	*	0.00	0
Ethylbenzene #2	0.08	0.00	826	6.109	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.12	0.00	1555	6.186	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.08	0.00	930	6.559	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.07	0.00	742	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	3.62	0.00	42730						0
2,5-Dibromotoluene #2	82.01		647267						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

J 92310

9/22/2010 10:23 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29038.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:00 am
Operator : JJL
Sample : 67834-19
Misc : 100,7.90,SOIL
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:23:30 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.353	235664	647267	80.122	82.006	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	80.12%	82.01%
	Target Compounds							
2) Z	2-Methylp...	2.003	2.012	6870	284	0.839	NoCal	#
3) TM	Methyl-t-...	0.000	2.186	0	136	N.D.	0.029	#
4) Z	2,2,4-Tri...	3.277	3.321	117	2790	0.015	NoCal	#
5) TM	Benzene	3.523	3.522	3288	2705	NoCal	0.208	#
6) TM	Toluene	4.826	4.929	5270	343	NoCal	0.029	#
7) XH	C5-C8 ALI...	3.717	0.000	216836	0	29.604	N.D.	#
9) TM	Ethylbenzene	6.127	6.109	574	826	NoCal	0.076	#
10) TM	m,p-Xylene	6.189	6.186	1044	1555	NoCal	0.124	#
11) TM	o-Xylene	6.551	6.559	946	930	NoCal	0.083	#
12) Z	n-Decane	7.151	7.161	1475	823	0.214	NoCal	#
13) Z	n-Butylcy...	7.826	7.863	502	1316	0.068	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	55003	0	7.715	N.D.	#
15) ZM	1,2,4-Tri...	7.717	7.715	1457	1650	NoCal	0.140	#
16) XH	C9-C10 AR...	10.410	8.424	11	42730	NoCal	3.622	#
17) TM	Naphthalene	10.246	10.244	1259	742	NoCal	0.073	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

D9331

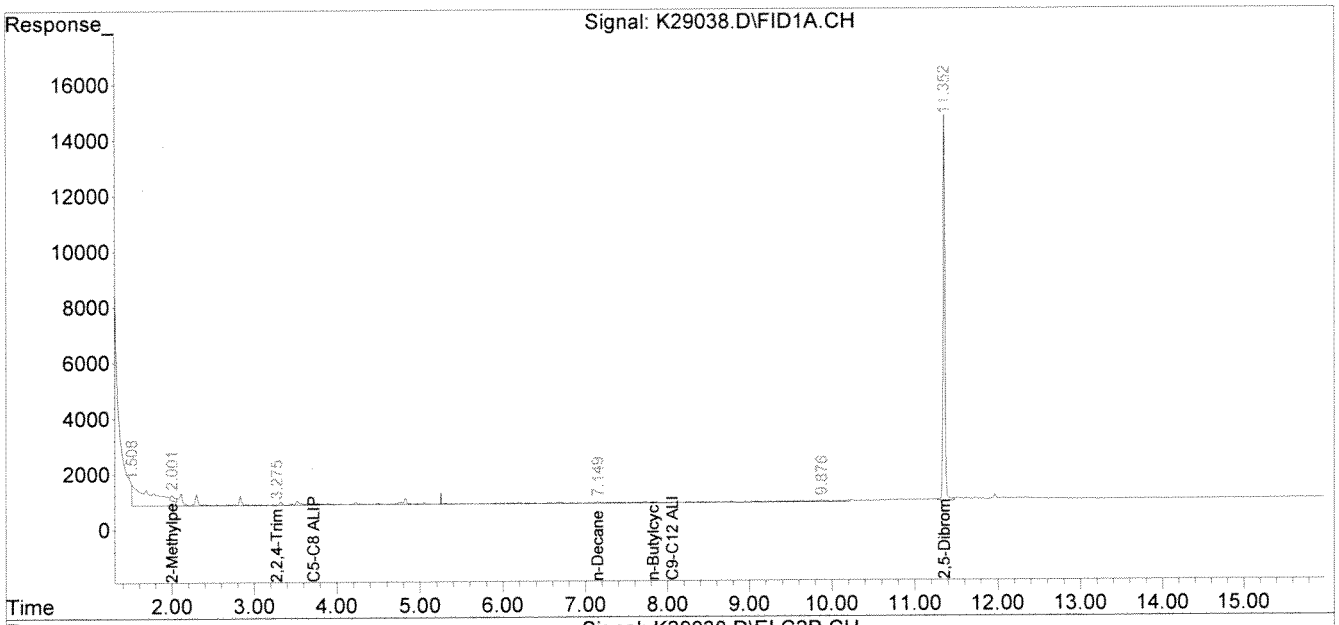
Quantitation Report (Not Reviewed)

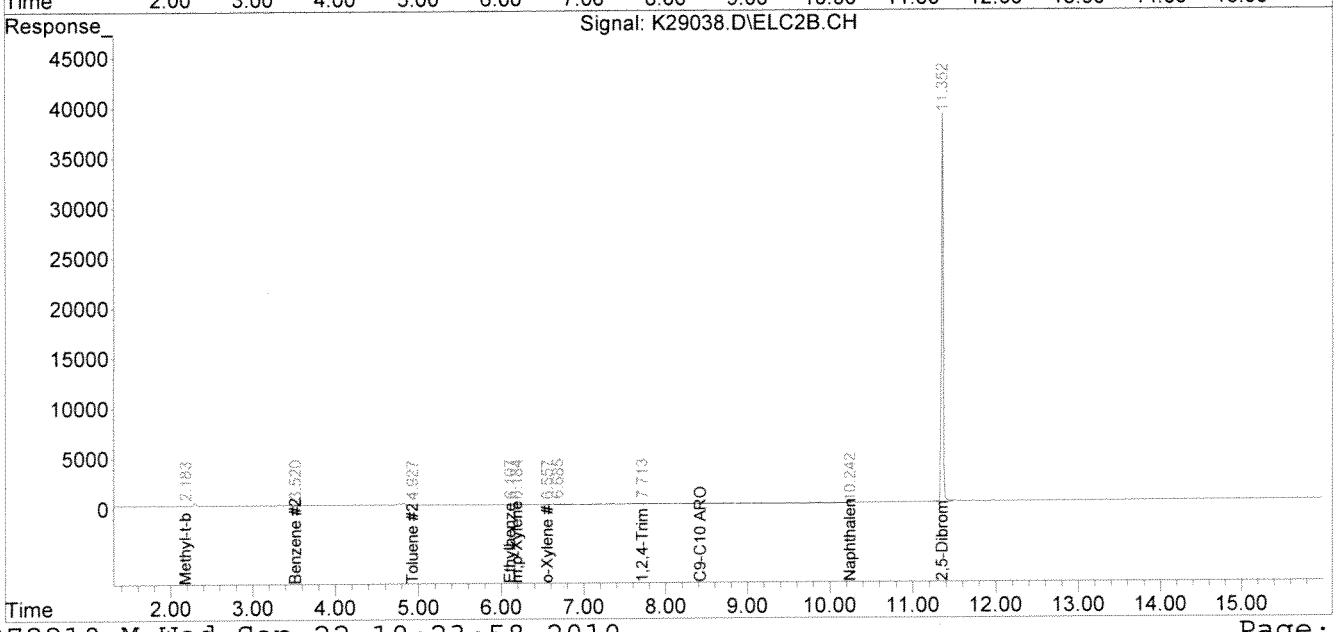
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29038.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:00 am
Operator : JJL
Sample : 67834-19
Misc : 100,7.90,SOIL
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:23:30 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J9236

VPH
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:VPHQC.doc

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67834

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV092110K3	92		83	
LSV092110K4	98		107	
MBV092110K3	83		88	
67834-1	87		92	
67834-2	79		83	
67834-3	78		82	
67834-4	79		84	
67834-8	84		85	
67834-11	102		94	
67834-12	81		83	
67834-14	80		84	
67834-15	89		93	
67834-16	82		86	
67834-17	91		93	
67834-18	101		95	
67834-19	84		86	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67834

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV092210K	79		90	
LSV092210K2	102		118	
MBV092210K	81		92	
67834-7	79		89	
67834-18,MS	107		107	
67834-18,MSD	91		93	
67834-5,5X	85		95	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV092110K3
Spike: LSV092110K3
Spike duplicate: LSV092110K4

9/22/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4624	92		5949	119		25	*
2-Methylpentane	5000	5000	70	130	25	0	4512	90		5767	115		24	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	4983	100		5774	115		15	
n-Decane	5000	5000	70	130	25	0	4677	94		5968	119		24	
n-Butylcyclohexane	5000	5000	70	130	25	0	4599	92		5746	115		22	
Methyl-t-butylether #2	5000	5000	70	130	25	0	3946	79		5040	101		24	
Benzene #2	5000	5000	70	130	25	0	4300	86		5429	109		23	
Toluene #2	5000	5000	70	130	25	0	4278	86		5413	108		23	
Ethylbenzene #2	5000	5000	70	130	25	0	4157	83		5283	106		24	
m,p-Xylene #2	10000	10000	70	130	25	0	8579	86		10850	109		23	
o-Xylene #2	5000	5000	70	130	25	0	4078	82		5179	104		24	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4136	83		5242	105		24	
Naphthalene #2	5000	5000	70	130	25	0	3588	72		4736	95		28	*
C5-C8 Aliphatics	15000	15000	70	130	25	0	14118	94		17490	117		21	
C9-C12 Aliphatics	10000	10000	70	130	25	0	9276	93		11714	117		23	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4136	83		5242	105		24	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 2 RPD hits. LCS/LCSD are both in control. All ranges are in control.

092210

VPH FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29020Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 6:36 pm
Operator : JJL
Sample : LSV092110K3
Misc : 100,10.00,SOIL
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:39:08 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	269628	658814	91.669	83.469	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 91.67% 83.47%							
		Target Compounds							
1)	Z	Pentane	1.560	1.560	647059	10077	92.471	NoCal	#
2)	Z	2-Methylp...	2.010	2.010	738530	29410	90.232	NoCal	#
3)	TM	Methyl-t-...	2.179	2.178	343953	368045	NoCal	78.920	#
4)	Z	2,2,4-Tri...	3.281	3.280	769093	161772	99.663	NoCal	#
5)	TM	Benzene	3.509	3.509	931685	1119037	NoCal	85.999	#
6)	TM	Toluene	4.881	4.880	922685	1020300	NoCal	85.556	#
7)	XH	C5-C8 ALI...	3.717	0.000	4554069	0	621.746	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	909552	908491	NoCal	83.147	#
10)	TM	m,p-Xylene	6.189	6.188	1861803	2152702	NoCal	171.583	#
11)	TM	o-Xylene	6.559	6.558	954347	912337	NoCal	81.559	#
12)	Z	n-Decane	7.152	7.152	645053	92593	93.531	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	677122	382517	91.984	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	6443385	0	903.828	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	938007	975821	NoCal	82.725	#
16)	XH	C9-C10 AR...	10.410	8.424	30	1523601	NoCal	129.163	#
17)	TM	Naphthalene	10.245	10.245	571038	731411	NoCal	71.761	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J92210

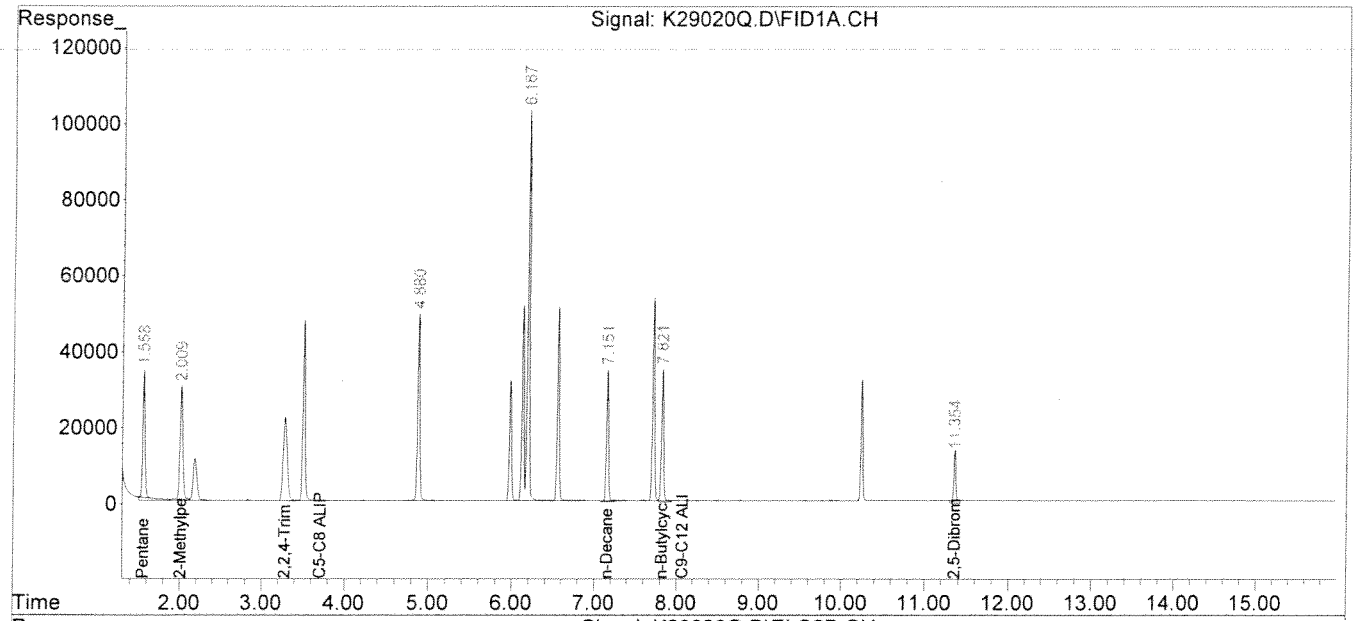
Quantitation Report (Not Reviewed)

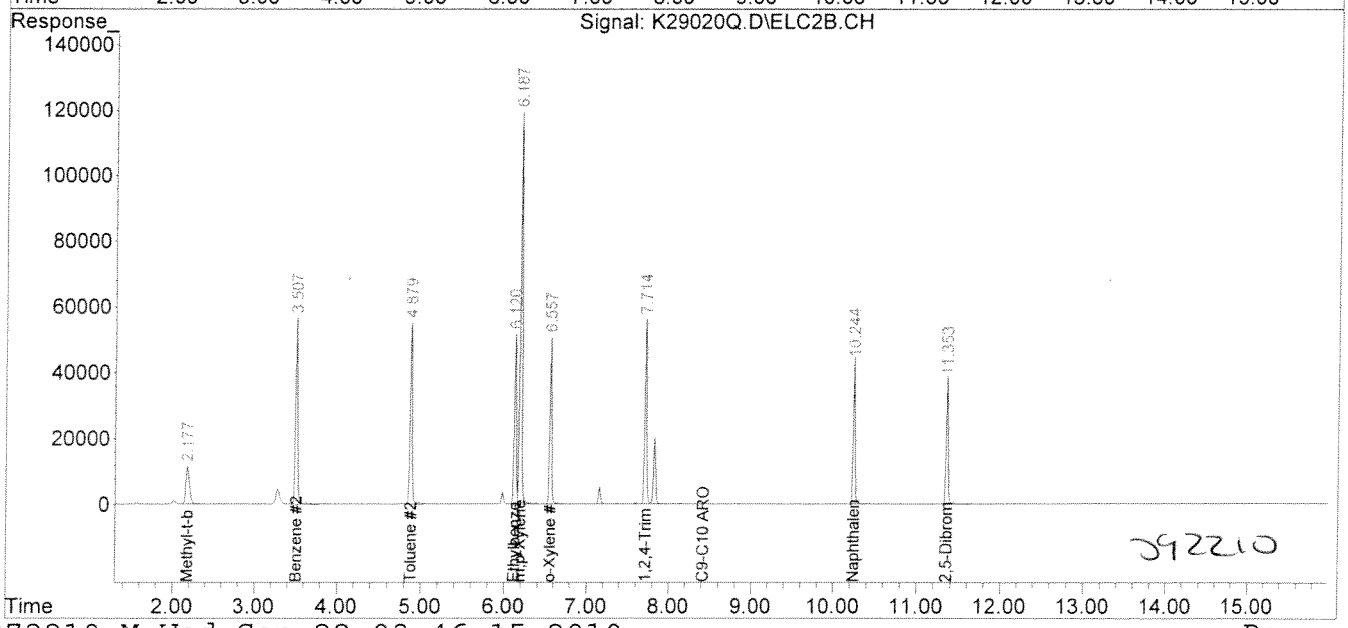
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29020Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 6:36 pm
Operator : JJL
Sample : LSV092110K3
Misc : 100,10.00,SOIL
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:39:08 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J92210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29021Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:00 pm
Operator : JJL
Sample : LSV092110K4
Misc : 100,10.00,SOIL
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:39:13 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.354	288291	843257	98.014	106.837	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 98.01% 106.84%							
		Target Compounds							
1)	Z	Pentane	1.562	1.562	832535	11785	118.978	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	944072	35244	115.345	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	442654	470091	NoCal	100.802	#
4)	Z	2,2,4-Tri...	3.282	3.281	891103	186012	115.474	NoCal	#
5)	TM	Benzene	3.510	3.509	1173547	1412889	NoCal	108.581	#
6)	TM	Toluene	4.881	4.881	1155787	1290972	NoCal	108.252	#
7)	XH	C5-C8 ALI...	3.717	0.000	5685116	0	776.163	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	1149173	1154528	NoCal	105.665	#
10)	TM	m,p-Xylene	6.189	6.188	2326834	2722555	NoCal	217.004	#
11)	TM	o-Xylene	6.559	6.558	1156742	1158575	NoCal	103.572	#
12)	Z	n-Decane	7.152	7.152	823219	120404	119.365	NoCal	#
13)	Z	n-Butylcy...	7.822	7.821	845964	495368	114.920	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	8319186	0	1166.951	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.715	1170050	1236627	NoCal	104.835	#
16)	XH	C9-C10 AR...	10.410	8.424	97	1921105	NoCal	162.861	#
17)	TM	Naphthalene	10.245	10.245	685002	965477	NoCal	94.725	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

092110

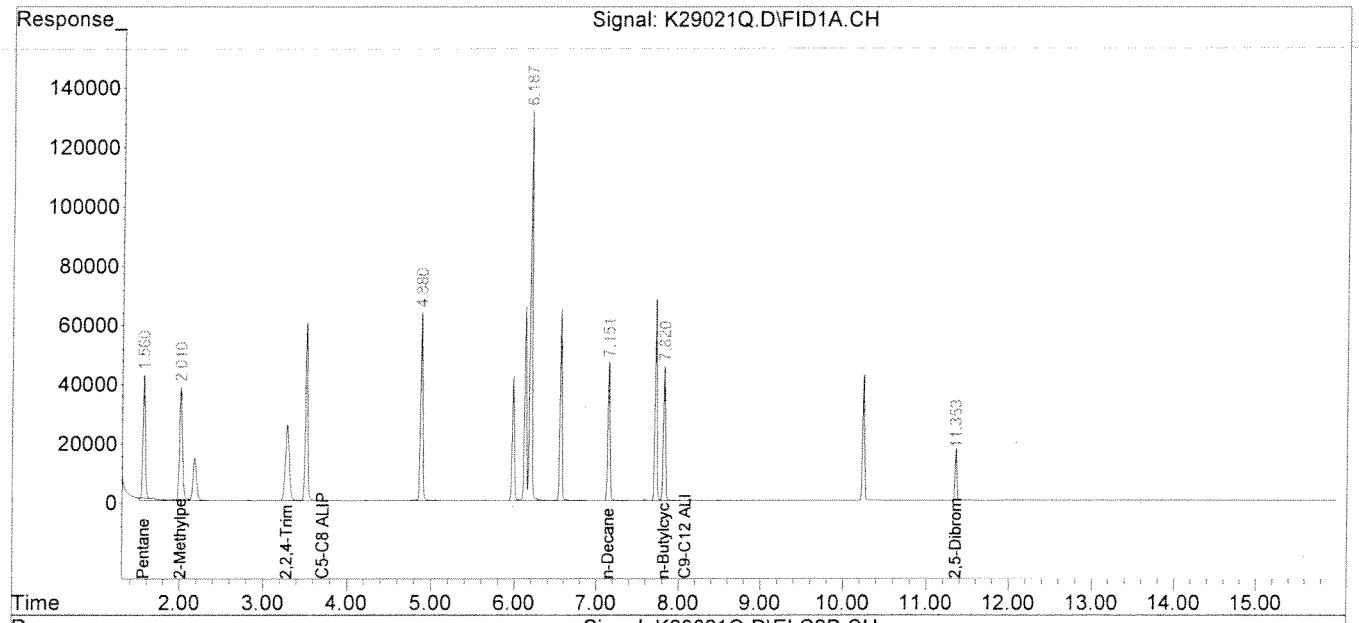
Quantitation Report (Not Reviewed)

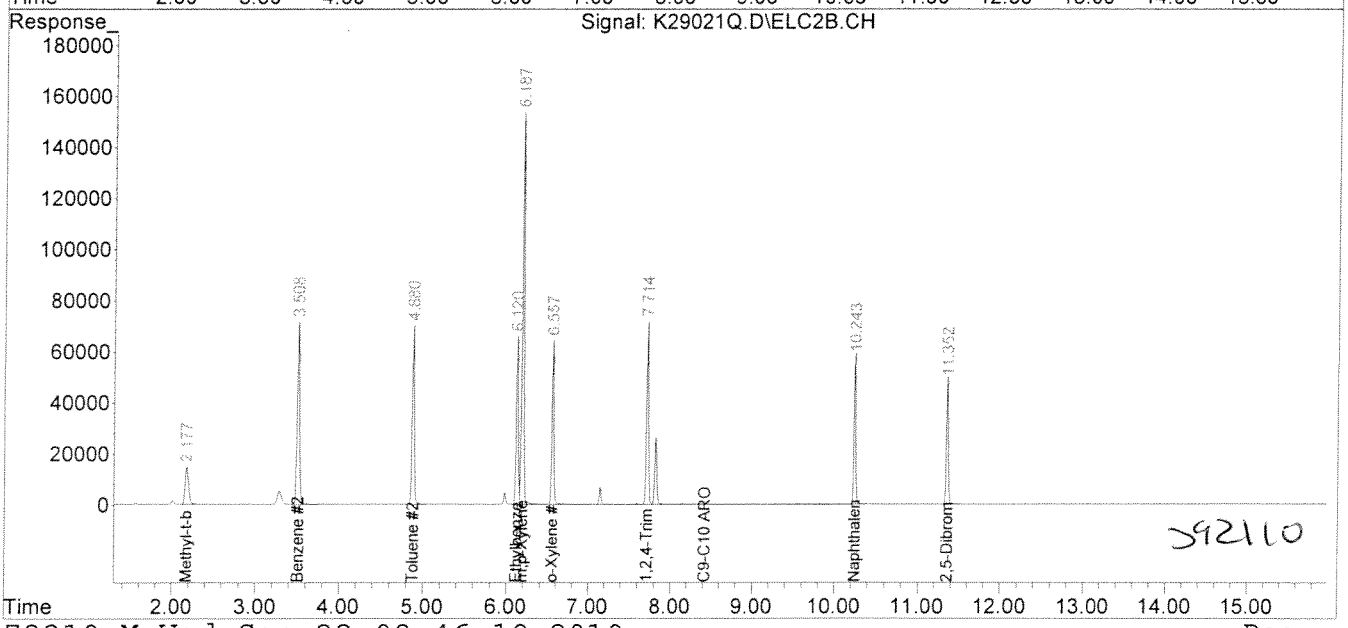
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29021Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:00 pm
Operator : JJL
Sample : LSV092110K4
Misc : 100,10.00,SOIL
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:39:13 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J92110

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV092210K
Spike: LSV092210K
Spike duplicate: LSV092210K2

8/9 9/23/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4926	99		6006	120		20	
2-Methylpentane	5000	5000	70	130	25	0	4783	96		5785	116		19	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	5200	104		5430	109		4	
n-Decane	5000	5000	70	130	25	0	5172	103		6344	127		20	
n-Butylcyclohexane	5000	5000	70	130	25	0	4829	97		5908	118		20	
Methyl-t-butylether #2	5000	5000	70	130	25	0	4163	83		5444	109		27	*
Benzene #2	5000	5000	70	130	25	0	4727	95		5890	118		22	
Toluene #2	5000	5000	70	130	25	0	4744	95		5930	119		22	
Ethylbenzene #2	5000	5000	70	130	25	0	4623	92		5719	114		21	
m,p-Xylene #2	10000	10000	70	130	25	0	9508	95		11691	117		21	
o-Xylene #2	5000	5000	70	130	25	0	4556	91		5625	113		21	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4634	93		5686	114		20	
Naphthalene #2	5000	5000	70	130	25	0	3706	74		5355	107		36	*
C5-C8 Aliphatics	15000	15000	70	130	25	0	14909	99		17221	115		14	
C9-C12 Aliphatics	10000	10000	70	130	25	0	10002	100		12253	123		20	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4634	93		5686	114		20	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 2 RPD hits. LCS/LCSD are within control.

592410

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29045Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 10:09 am
Operator : JJL
Sample : LSV092210K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:26:15 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.353	11.352	232662	708643	79.101	89.782	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 79.10% 89.78%							
		Target Compounds							
1)	Z	Pentane	1.560	1.560	689370	12617	98.518	NoCal	#
2)	Z	2-Methylp...	2.010	2.010	782964	38705	95.661	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	361042	388276	NoCal	83.258	#
4)	Z	2,2,4-Tri...	3.281	3.280	802494	181435	103.992	NoCal	#
5)	TM	Benzene	3.509	3.508	997981	1230123	NoCal	94.536	#
6)	TM	Toluene	4.880	4.880	980714	1131577	NoCal	94.887	#
7)	XH	C5-C8 ALI...	3.717	0.000	4890099	0	667.623	N.D.	#
9)	TM	Ethylbenzene	6.121	6.121	973204	1010337	NoCal	92.468	#
10)	TM	m,p-Xylene	6.188	6.187	1970334	2385647	NoCal	190.150	#
11)	TM	o-Xylene	6.557	6.557	986340	1019293	NoCal	91.121	#
12)	Z	n-Decane	7.151	7.151	713447	119096	103.449	NoCal	#
13)	Z	n-Butylcy...	7.821	7.821	711028	443023	96.589	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7075922	0	992.556	N.D.	#
15)	ZM	1,2,4-Tri...	7.715	7.714	993418	1093329	NoCal	92.687	#
16)	XH	C9-C10 AR...	10.410	8.424	17	1757793	NoCal	149.016	#
17)	TM	Naphthalene	10.244	10.243	513434	755390	NoCal	74.113	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

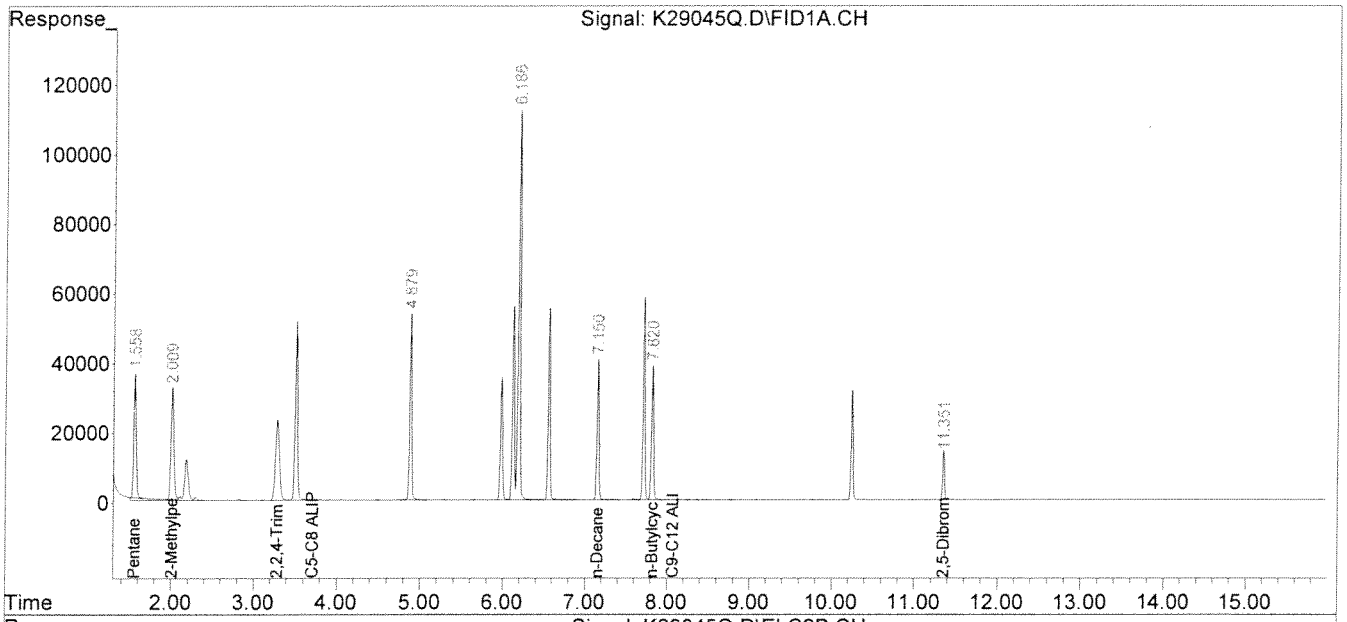
5/24/10

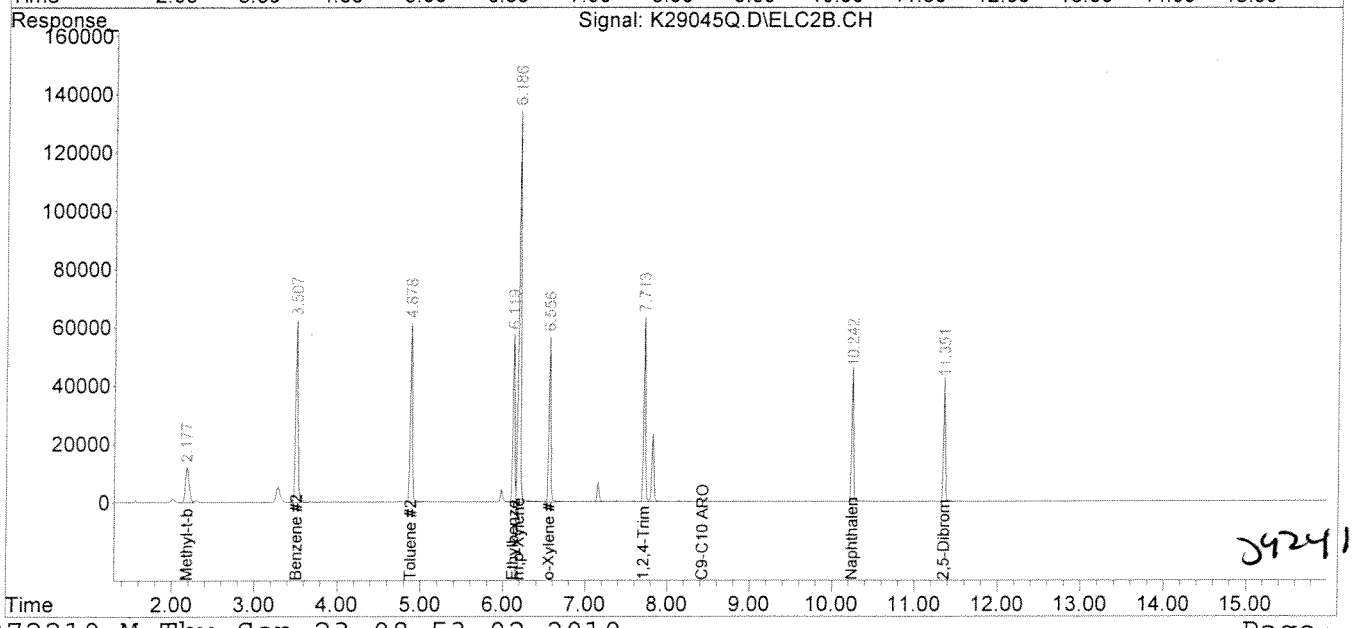
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29045Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 10:09 am
Operator : JJL
Sample : LSV092210K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:26:15 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J 9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29046Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 10:34 am
Operator : JJL
Sample : LSV092210K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:50:47 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.353	11.352	300447	931511	102.147	118.018	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 102.15% 118.02%							
		Target Compounds							
1)	Z	Pentane	1.563	1.562	840539	18389	120.122	NoCal	#
2)	Z	2-Methylp...	2.010	2.010	946966	51740	115.699	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	464089	507778	NoCal	108.883	#
4)	Z	2,2,4-Tri...	3.280	3.280	838015	197791	108.595	NoCal	#
5)	TM	Benzene	3.509	3.508	1216618	1532865	NoCal	117.802	#
6)	TM	Toluene	4.880	4.880	1193564	1414365	NoCal	118.599	#
7)	XH	C5-C8 ALI...	3.717	0.000	5759660	0	786.340	N.D.	#
9)	TM	Ethylbenzene	6.121	6.120	1182465	1249827	NoCal	114.387	#
10)	TM	m,p-Xylene	6.188	6.187	2397431	2933647	NoCal	233.829	#
11)	TM	o-Xylene	6.557	6.557	1197074	1258479	NoCal	112.503	#
12)	Z	n-Decane	7.151	7.151	875106	152145	126.889	NoCal	#
13)	Z	n-Butylcy...	7.820	7.820	869852	550061	118.165	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	8613371	0	1208.217	N.D.	#
15)	ZM	1,2,4-Tri...	7.714	7.714	1202398	1341336	NoCal	113.711	#
16)	XH	C9-C10 AR...	10.410	8.424	185	2146554	NoCal	181.973	#
17)	TM	Naphthalene	10.243	10.243	734558	1091624	NoCal	107.102	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

9/24/10

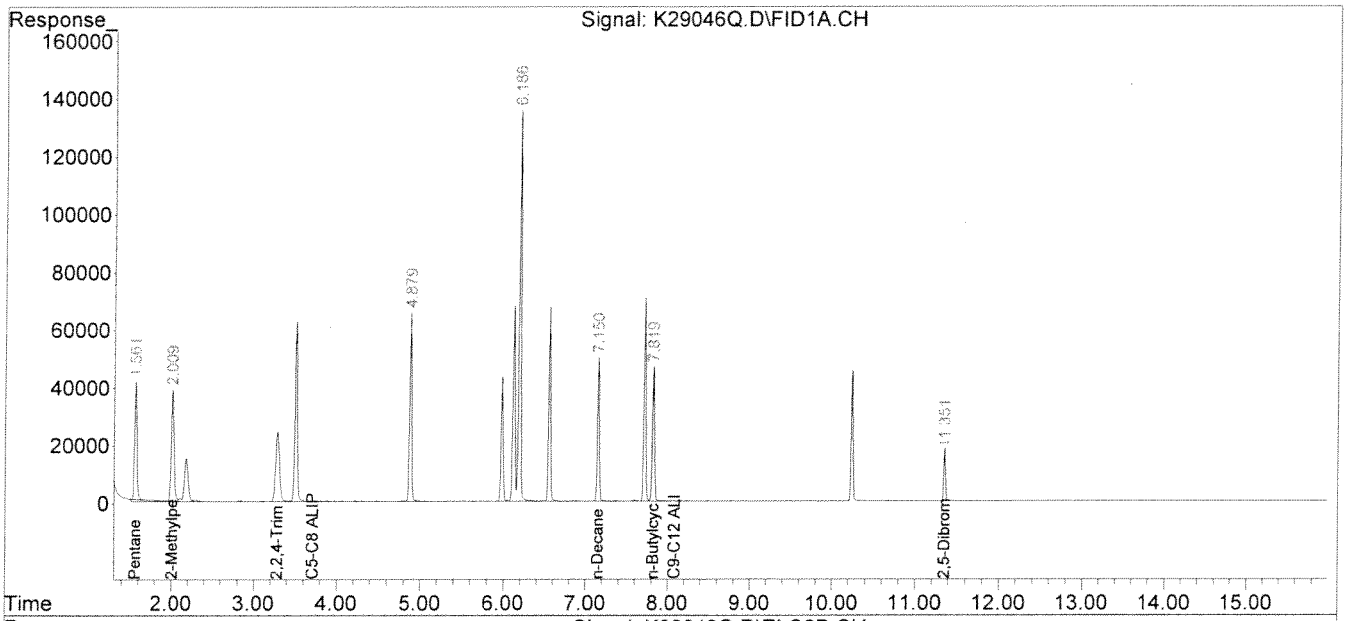
Quantitation Report (Not Reviewed)

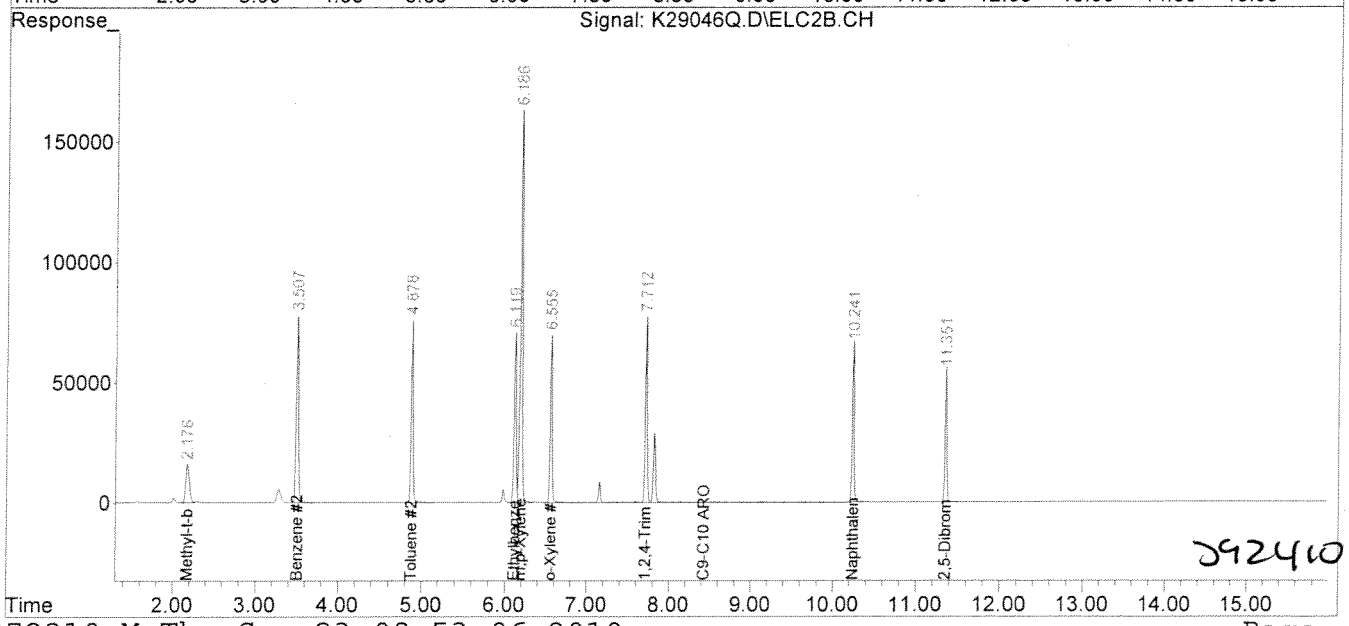
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29046Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 10:34 am
Operator : JJL
Sample : LSV092210K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 10:50:47 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





D92410

VOLATILE PETROLEUM HYDROCARBONS SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67834-18
Spike: 67834-18,MS
Spike duplicate: 67834-18,MSD

9/23/10

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5589	6592	70	130	25	0	4748	85		5528	84		15	
2-Methylpentane	5589	6592	70	130	25	0	5189	93		5582	85		7	
2,2,4-Trimethylpentane	5589	6592	70	130	25	0	3547	63	*	4420	67	*	22	
n-Decane	5589	6592	70	130	25	0	5636	101		6149	93		9	
n-Butylcyclohexane	5589	6592	70	130	25	0	5360	96		5859	89		9	
Methyl-t-butylether #2	5589	6592	70	130	25	0	4810	86		5093	77		6	
Benzene #2	5589	6592	70	130	25	0	5489	98		5718	87		4	
Toluene #2	5589	6592	70	130	25	0	5427	97		5725	87		5	
Ethylbenzene #2	5589	6592	70	130	25	0	5277	94		5553	84		5	
m,p-Xylene #2	11177	13183	70	130	25	0	10851	97		11407	87		5	
o-Xylene #2	5589	6592	70	130	25	0	5185	93		5419	82		4	
1,2,4-Trimethylbenzene #2	5589	6592	70	130	25	0	5229	94		5524	84		5	
Naphthalene #2	5589	6592	70	130	25	0	5728	102		5192	79		10	
C5-C8 Aliphatics	16766	19775	70	130	25	0	13483	80		15530	79		14	
C9-C12 Aliphatics	11177	13183	70	130	25	0	10995	98		12007	91		9	
C9-C10 Aromatics #2	5589	6592	70	130	25	0	5229	94		5524	84		5	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: ↓ 2,2,4-Trimethylpentane. C9-C12 Aliphatics Range. OK. RPD OK and LCS/LCSD in control.

92410

VPH FORM 3

VOLATILE PETROLEUM HYDROCARBONS SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

	Conversion Worksheet						Moisture
Sample	Misc Info	Amt (uL) Analyzed	Wt (g) Extracted	Final Vol MeoH	% Solid	CF	Corrected CF
67834-18	100,9.35,SOIL	100	9.35	10	0.9388	56.962011	60.221491
67834-18,MS	100,9.53,SOIL	100	9.53	10	0.9388	55.886128	59.145608
67834-18,MSD	100,8.08,SOIL	100	8.08	10	0.9388	65.915198	69.174678

gg 9/23/10

092410

VPH FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29053SP.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 1:54 pm
Operator : JJL
Sample : 67834-18,MS
Misc : 100,9.53,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:03:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.353	11.353	297179	801602	101.036	101.559	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	101.04%	101.56%
	Target Compounds							
1) Z	Pentane	1.571	1.571	561731	11391	80.277	NoCal	#
2) Z	2-Methylp...	2.011	2.011	718027	37754	87.727	NoCal	#
3) TM	Methyl-t-...	2.178	2.178	350268	379243	NoCal	81.321	#
4) Z	2,2,4-Tri...	3.280	3.279	462760	113412	59.967	NoCal	#
5) TM	Benzene	3.509	3.508	959294	1207649	NoCal	92.809	#
6) TM	Toluene	4.880	4.880	940306	1094245	NoCal	91.756	#
7) XH	C5-C8 ALI...	3.717	0.000	4208604	0	574.581	N.D.	#
9) TM	Ethylbenzene	6.121	6.120	928967	974816	NoCal	89.217	#
10) TM	m,p-Xylene	6.187	6.187	1884221	2301772	NoCal	183.465	#
11) TM	o-Xylene	6.557	6.556	939565	980584	NoCal	87.661	#
12) Z	n-Decane	7.151	7.151	657164	113551	95.288	NoCal	#
13) Z	n-Butylcy...	7.821	7.820	667062	417574	90.617	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	6716962	0	942.204	N.D.	#
15) ZM	1,2,4-Tri...	7.714	7.714	943226	1042936	NoCal	88.414	#
16) XH	C9-C10 AR...	10.410	8.424	165	1734181	NoCal	147.015	#
17) TM	Naphthalene	10.244	10.244	671830	987031	NoCal	96.840	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

342410

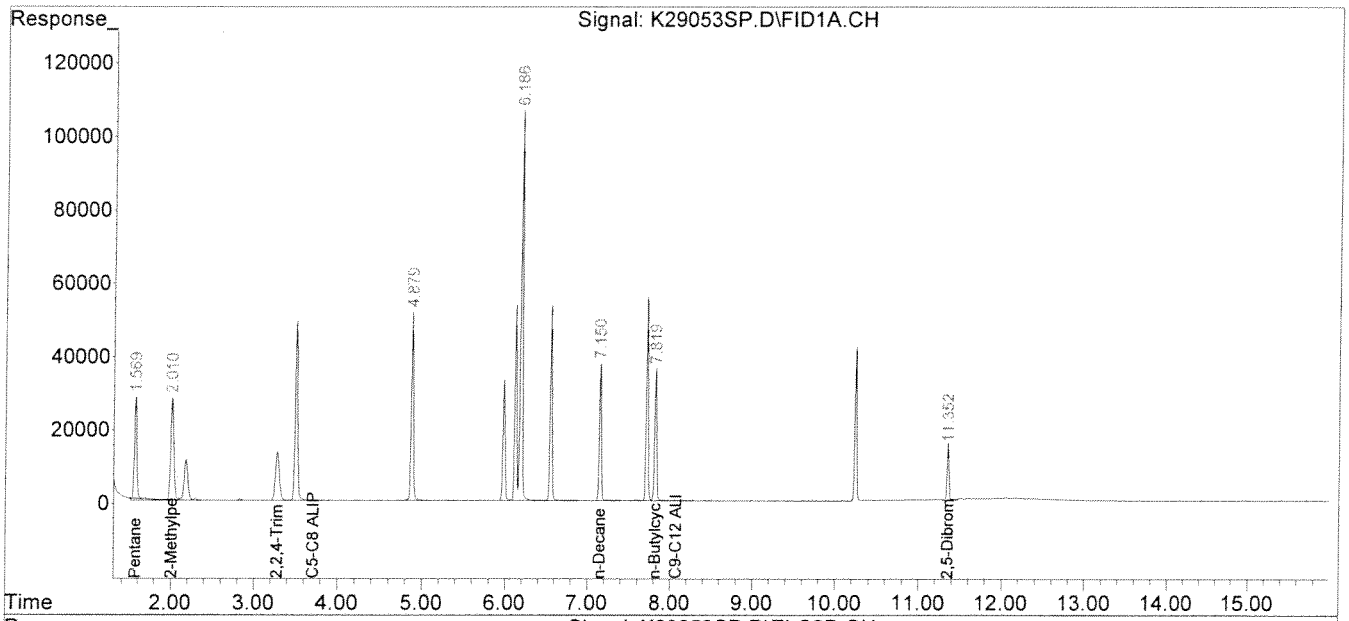
Quantitation Report (Not Reviewed)

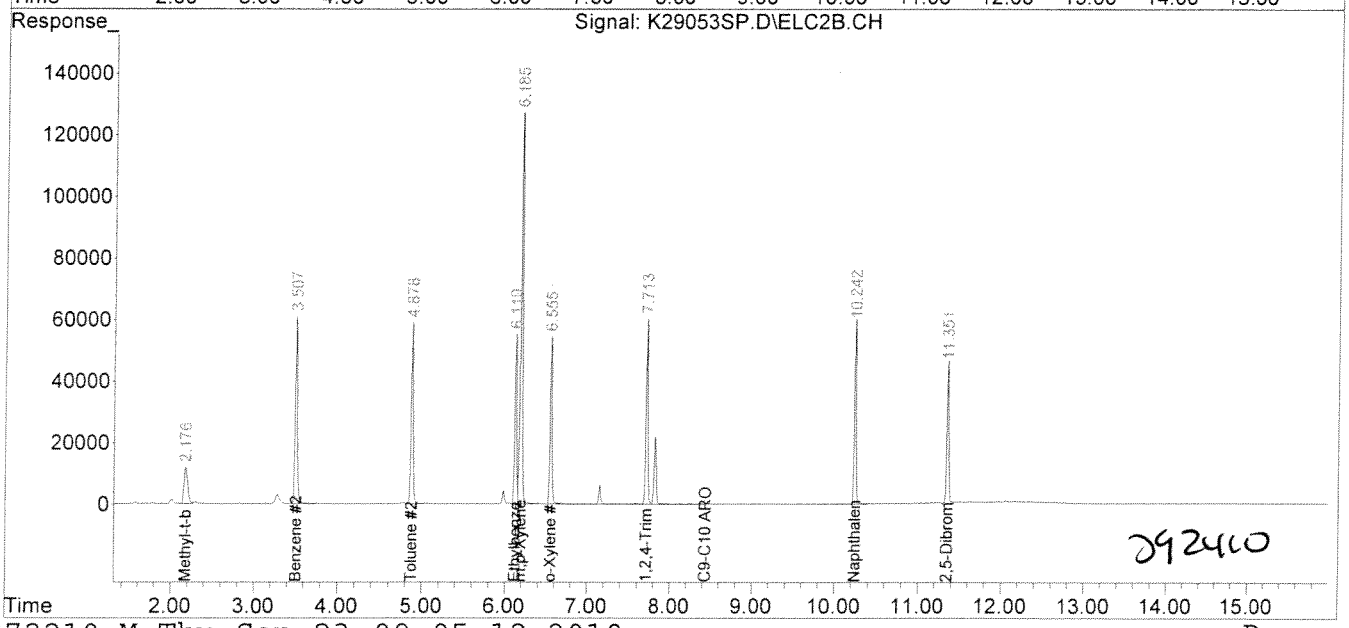
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29053SP.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 1:54 pm
Operator : JJL
Sample : 67834-18,MS
Misc : 100,9.53,SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:03:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092410

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29054SP.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:20 pm
Operator : JJL
Sample : 67834-18,MSD
Misc : 100,8.08,SOIL
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:03:57 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.353	255993	699393	87.033	88.610	
Spiked Amount	100.000 Range	70 - 130	Recovery	=		87.03%	88.61%	
	Target Compounds							
1) Z	Pentane	1.569	1.569	559213	14235	79.917	NoCal	#
2) Z	2-Methylp...	2.012	2.011	660426	37116	80.690	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	314459	343356	NoCal	73.626	#
4) Z	2,2,4-Tri...	3.281	3.281	493060	120745	63.894	NoCal	#
5) TM	Benzene	3.510	3.510	864370	1075567	NoCal	82.658	#
6) TM	Toluene	4.882	4.881	852151	986902	NoCal	82.755	#
7) XH	C5-C8 ALI...	3.717	0.000	3949038	0	539.144	N.D.	#
9) TM	Ethylbenzene	6.122	6.122	846257	877167	NoCal	80.280	#
10) TM	m,p-Xylene	6.189	6.188	1714727	2068879	NoCal	164.902	#
11) TM	o-Xylene	6.559	6.558	861865	876380	NoCal	78.345	#
12) Z	n-Decane	7.152	7.152	613010	102155	88.885	NoCal	#
13) Z	n-Butylcy...	7.822	7.822	623459	384258	84.694	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	6171537	0	865.696	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.716	861999	941938	NoCal	79.852	#
16) XH	C9-C10 AR...	10.410	8.424	8	1593518	NoCal	135.090	#
17) TM	Naphthalene	10.245	10.245	525461	765034	NoCal	75.059	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

092410

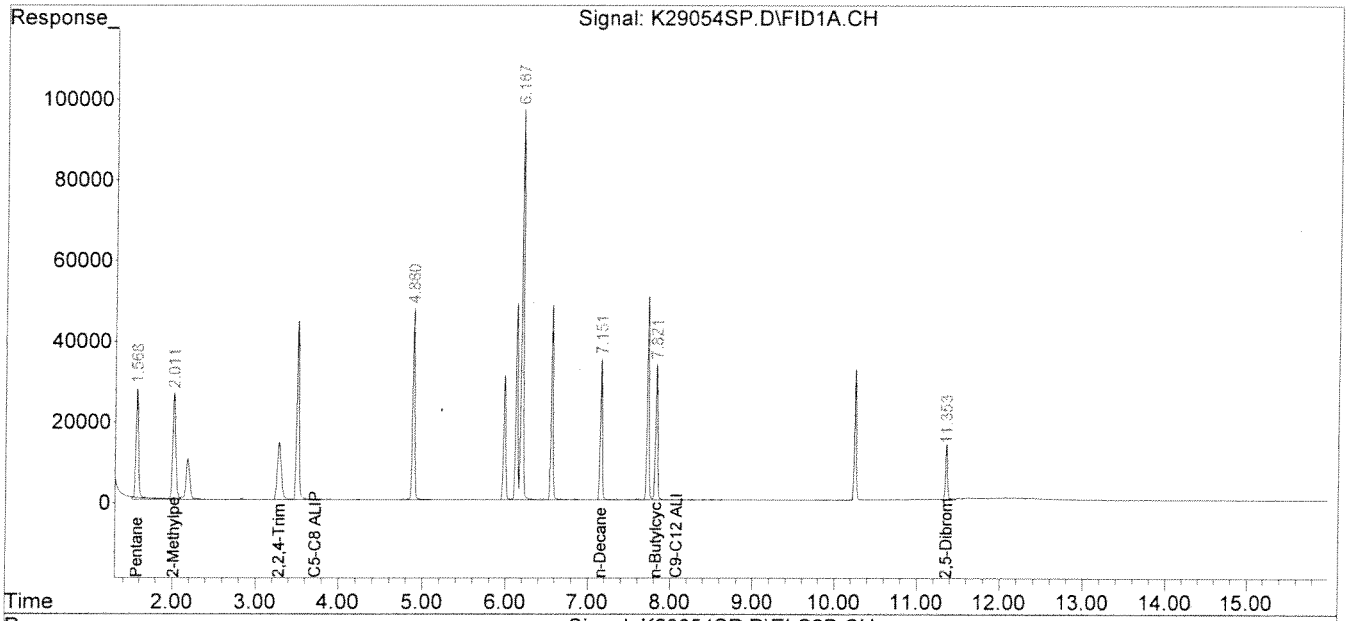
Quantitation Report (Not Reviewed)

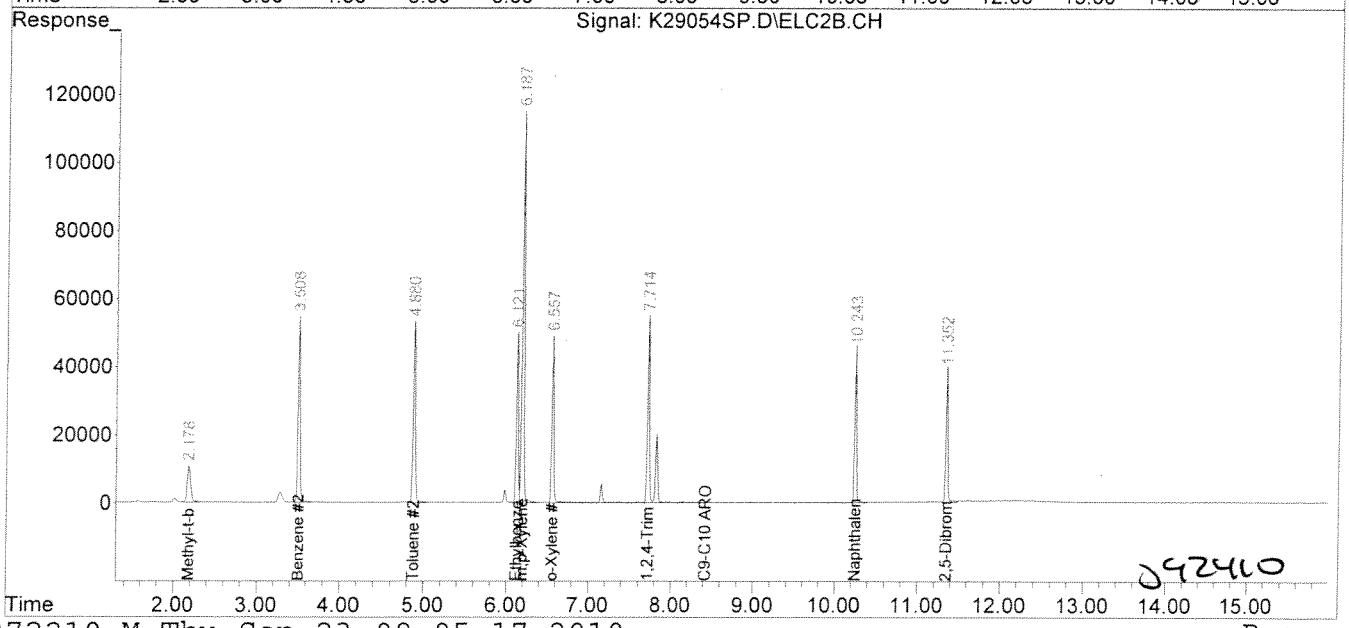
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29054SP.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 2:20 pm
Operator : JJL
Sample : 67834-18,MSD
Misc : 100,8.08,SOIL
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 09:03:57 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J92410

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: 90 95

Unload: 90 95

072210-K

VPH Surrogate: -

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH	
1	~~07~~ VPH072210.M	BLK	5ml	–	–		K27978	JJL	n	A
2		VPH 100		200ml	V8896	✓, changed trap + baked	79SC			
3		BLK		–	–		80			
4		VPH 100		200ml	V8896	✓	81SC			
5		LSV072210K	100ml/5ml	5ml	V8899	↑ Pentane, changed sparge tube	82Q			
6		BLK	5ml	–	–		83			
7		LSV072210K.RR	100ml/5ml	5ml	V8899	↑ Pentane, Recal.	84Q			
8		BLK	5ml	–	–	co concern	85			
9		VPH 1		2ml	V8910	✓	86SI			
10		VPH 2		4ml		✓	87SI			
11		VPH 5		10ml		✓	88SI			
12		VPH 20		40ml		✓	89SI			
13		VPH 50		100ml		✓	90SI			
14		VPH 100		200ml		✓	91SI			
15		VPH 200		400ml		✓	92SI			
16		BLK		–	–	co concern	93			
17		VPH 500		1ml	V8910	✓	94SI			
18		BLK		–	–	co concern	95			
19		LV072210K.ICV		100ml	V8898	✓	96Q			
20		VPH 100		200ml	V8910	✓ Test theory on instr.	97			

7/23/10

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 2 04/29/10

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: [illegible]

Unload: [illegible]

092110-K

VPH Surrogate: ① V9034 x.3/17/11 ② V9040 x.3/21

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments		File #	Analyst	pH
1	VPH072210.m	BLK	5mL	–	–			K28995	JJL	n/a
2		VPH 100		200uL	V9035	✓		96		
3		LSV092110K	100uL/5mL	5uL	V9033	✓		97		
4		LSV092110K2				✓		98		
5		BLK	5mL	–	–			99		
6		MBV092110K	100uL/5mL	10uL	V9034	succ fails, Remake std		K29000B		
7		MBV092110K2		10uL	V9040	✓		01B		
8		67833-1	100uL/5mL		①	✓		02		
9		-2				✓		03		
10		-3				✓		04		
11		-4				✓		05		
12		-5				✓		06		
13		-6				✓		07		
14		-7				✓		08		
15		-8				✓		09		
16		-9				RR str.		10		
17		-10				✓		11		
18		-11				RR str.		12		
19		-12				✓		13		
20		-13				✓		14		
21		-14				RR SX		15		
22		-15				RR str.		16		
23		-16				✓		17		
24		67835-6				✓		18		
25		VPH 100	5mL	200uL	V9035	✓		19SC		
26		~~VPH 100~~ LSV092110K3	100uL/5mL	5uL	V9033	✓	1 a RPD hits, writeremo	20		
27		LSV092110K4				✓		21 Q		
28		BLK	5mL	–	–			22		
29		MBV092110K3	100uL/5mL	10uL	V9040	✓		23B		
30		67834-1			②	✓	8:28	24		
31		-2				✓	9:15	25		
32		-3				✓	10:95	26		
33		-4				✓	7:97	27		
34		-5				RR	8:26	28		
35		-7				RR str.	9:54	29		
36		-8				✓	8:58	30		
37		-11				✓	7:81	31		
38		-12				✓	8:51	32		
39		-14				✓	10:33	33		
40		-15				✓	10:00	34		

(cont.)

Analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: AS

Unload: AS

092110-K (cont.)

VPH Surrogate: (2) V9040 x.3/21/11

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
41	VPH072210.m	67834-16	~~100ml~~ 5ml	10ml	(2)	✓ 8.92	K29035	JTL	n/A
42		-17				✓ 8.53	36		
43		-18				✓ 9.35	37		
44		-19				✓ 7.90	38		
45		67833-6,MS		5ml	V9033	10.27	39SP		
46		-6,MSD				✓ 9.91	40SP		
47		VPH100	5ml	~~200ml~~	V9035	✓	41SC		
48		VPH100		200ml		✓	42SC		

AS 9/22/10

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load:

Unload:

092210-K

VPH Surrogate: ① V9040 x. 3/21/11

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	VPH072210.m	BLK	5ml	–	–		K29043	JTL	N/A
2		VPH100		200ul	V9035 ✓		44		
3		LSV092210K	100ml/5ml	5ul	V9033 ✓	~~2 RPD hits All ranges OK~~	45		
4		LSV092210K2			✓		46		
5		BLK	5mL	–	–		47		
6		MBV092210K	100ml/5ml	10ul	V9040 ✓		48		
7		67833-9			① ✓	10.04	49		
8		-11			✓	7.74	50		
9		-15			✓	9.48	51		
10		67834-7			✓	9.54	52		
11		-18,MS		5ul	V9033 ✓	9.53	53		
12		-18,MSD			✓	8.08	54		
13		67833-14,5X	20ml/5ml	10ul	① ✓	9.49	55		
14		67834-5,5X			✓	8.26	56		
15		67807-3,5X			✓	8.37	57		
16		VPH100	5ml	200ul	V9035 ✓		58SC		
17		VPH100			✓		59SC		

9/28/10

Method Path : C:\msdchem\1\METHODS\
Method File : VPH072210.M
Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
Last Update : Fri Jul 23 15:04:23 2010
Response Via : Initial Calibration

Calibration Files
2 =K27987SI.D 5 =K27988SI.D 20 =K27989SI.D
50 =K27990SI.D 0.5 =K25795SI.D 100 =K27991SI.D

SB 7/26/10

		Compound	2	5	20	50	0.5	100	Avg		%RSD
1)	ZM	Pentane	6.623	6.311	7.147	7.202		7.570	6.997	E3	6.67
2)	ZM	2-Methylpentane	8.536	7.466	8.207	8.247		8.690	8.185	E3	5.68
3)	T	Methyl-t-buty...							0.000		-1.00
4)	ZM	2,2,4-Trimeth...	8.216	7.647	8.896	8.375		7.993	7.717	E3	12.43
5)	T	Benzene							0.000		-1.00
6)	T	Toluene							0.000		-1.00
7)	XH	C5-C8 ALIPHATICS	7.792	7.141	8.083	7.941		8.084	7.325	E3	12.19
8)		n-Nonane							0.000		-1.00
9)	T	Ethylbenzene							0.000		-1.00
10)	T	m,p-Xylene							0.000		-1.00
11)	T	o-Xylene							0.000		-1.00
12)	ZM	n-Decane	6.039	4.950	5.191	5.579		7.997	6.897	E3	23.76
13)	ZM	n-Butylcycloh...	6.357	6.435	6.593	6.777		8.029	7.361	E3	16.80
14)	XH	C9-C12 ALIPHA...	6.198	5.693	5.892	6.178		8.013	7.129	E3	19.33
15)	Z	1,2,4-Trimeth...							0.000		-1.00
16)	XH	C9-C10 AROMATICS							0.000		-1.00
17)	T	Naphthalene							0.000		-1.00
18)	S	2,5-Dibromoto...	3.791	2.742	2.584	2.712		2.859	2.941	E3	13.62

Signal #2 Calibration Files
2 =K27987SI.D 5 =K27988SI.D 20 =K27989SI.D
50 =K27990SI.D 0.5 =K25795SI.D 100 =K27991SI.D

MAT 7/26/10

		Compound	2	5	20	50	0.5	100	Avg		%RSD
1)	Z	Pentane							0.000		-1.00
2)	Z	2-Methylpentane							0.000		-1.00
3)	TM	Methyl-t-buty...	5.373	4.158	4.484	4.526		4.479	4.664	E3	12.22
4)	Z	2,2,4-Trimeth...							0.000		-1.00
5)	TM	Benzene	1.280	1.265	1.309	1.312		1.321	1.301	E4	1.56
6)	TM	Toluene	1.248	1.135	1.190	1.197		1.223	1.193	E4	3.83
7)	XH	C5-C8 ALIPHATICS							0.000		-1.00
8)		n-Nonane							0.000		-1.00
9)	TM	Ethylbenzene	1.177	0.993	1.048	1.061		1.087	1.093	E4	6.11
10)	TM	m,p-Xylene	1.224	1.143	1.234	1.248		1.283	1.255	E4	5.18
11)	TM	o-Xylene	1.143	0.990	1.048	1.062		1.083	1.119	E4	12.52
12)	Z	n-Decane							0.000		-1.00
13)	Z	n-Butylcycloh...							0.000		-1.00
14)	XH	C9-C12 ALIPHA...							0.000		-1.00
15)	ZM	1,2,4-Trimeth...	1.101	0.986	1.065	1.097		1.136	1.180	E4	20.03
16)	XH	C9-C10 AROMATICS	1.101	0.986	1.065	1.097		1.136	1.180	E4	20.03
17)	TM	Naphthalene	1.007	0.881	0.939	0.971		0.997	1.019	E4	14.63
18)	S	2,5-Dibromoto...	8.562	6.808	7.149	7.585		8.153	7.893	E3	9.31

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27986SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:32 pm
Operator : JJL
Sample : VPH 1 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJS 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.356	11.355	4554	12231	1.904	1.793	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	1.90%#	1.79%#
	Target Compounds							
1) Z	Pentane	1.559	1.562	4137	657	0.860	NoCal	#
2) Z	2-Methylp...	2.008	2.005	6649	1753	0.960	NoCal	#
3) TM	Methyl-t-...	2.181	2.179	5383	5724	NoCal	1.331	#
4) Z	2,2,4-Tri...	3.278	3.290	6186	1603	0.933	NoCal	#
5) TM	Benzene	3.509	3.509	10306	12912	NoCal	0.976	#
6) TM	Toluene	4.881	4.881	11637	11146	NoCal	0.911	#
7) XH	C5-C8 ALI...	3.717	0.000	105864	0	17.864	N.D.	#
9) TM	Ethylbenzene	6.122	6.121	10665	11978	NoCal	1.131	#
10) TM	m,p-Xylene	6.188	6.187	19542	27513	NoCal	2.221	#
11) TM	o-Xylene	6.559	6.558	11046	14480	NoCal	1.353	#
12) Z	n-Decane	7.153	7.154	7705	7492	1.316	NoCal	#
13) Z	n-Butylcy...	7.823	7.821	6464	9529	1.010	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	146965	0	23.983	N.D.	#
15) ZM	1,2,4-Tri...	7.715	7.715	12192	17478	NoCal	1.643	#
16) XH	C9-C10 AR...	10.410	8.424	7	261207	NoCal	24.557	#
17) TM	Naphthalene	10.246	10.246	7968	13733	NoCal	1.637	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

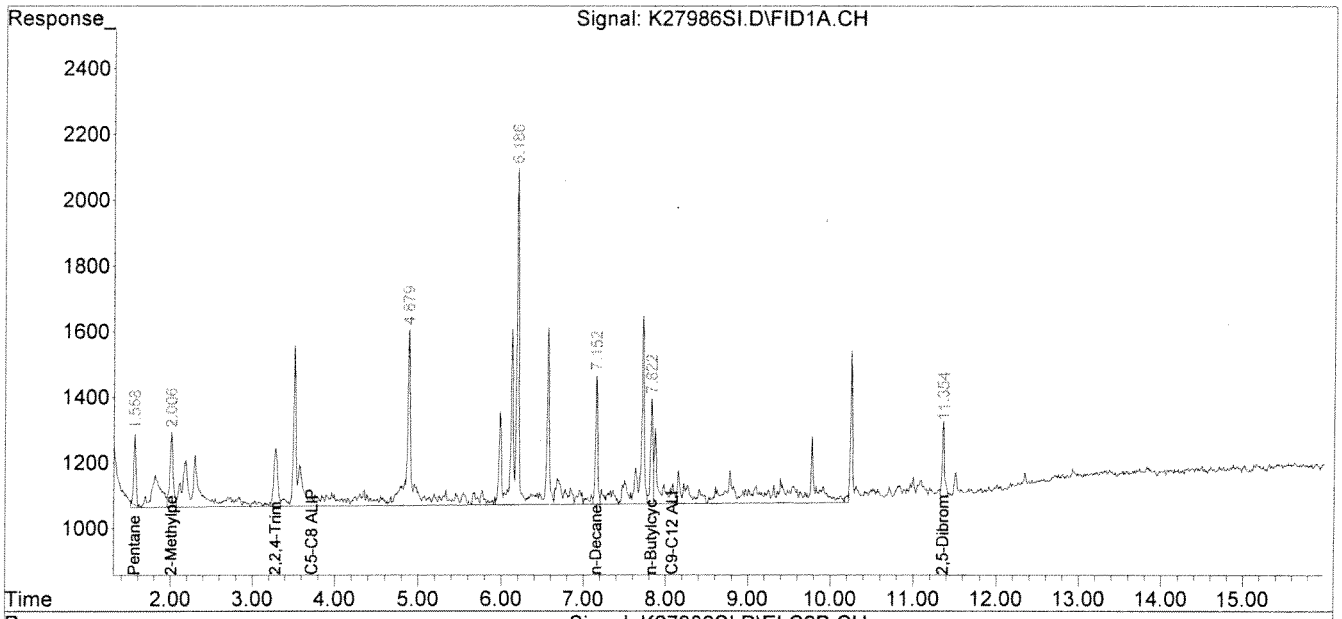
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27986SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:32 pm
Operator : JJL
Sample : VPH 1 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

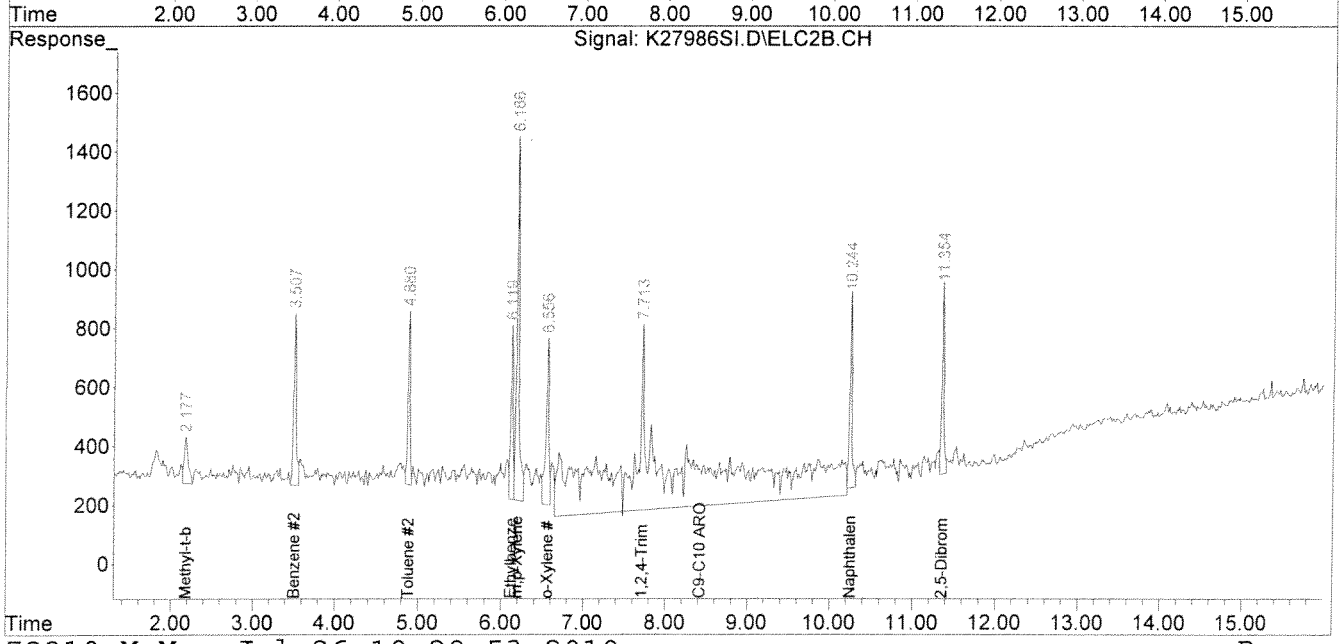
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27987SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:57 pm
Operator : JJL
Sample : VPH 2 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.355	11.355	7582	17124	3.170	2.511	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	3.17%#	2.51%#
	Target Compounds							
1) Z	Pentane	1.559	1.576	13246	196	2.755	NoCal	#
2) Z	2-Methylp...	2.009	1.998	17073	1007	2.465	NoCal	#
3) TM	Methyl-t-...	2.178	2.178	9810	10745	NoCal	2.499	#
4) Z	2,2,4-Tri...	3.278	3.279	16432	3496	2.477	NoCal	#
5) TM	Benzene	3.510	3.509	21209	25596	NoCal	1.934	#
6) TM	Toluene	4.881	4.881	22868	24969	NoCal	2.041	#
7) XH	C5-C8 ALI...	3.717	0.000	155766	0	26.285	N.D.	#
9) TM	Ethylbenzene	6.122	6.121	22182	23546	NoCal	2.223	#
10) TM	m,p-Xylene	6.188	6.187	42752	48976	NoCal	3.953	#
11) TM	o-Xylene	6.559	6.558	22078	22865	NoCal	2.136	#
12) Z	n-Decane	7.152	7.154	12077	2628	2.062	NoCal	#
13) Z	n-Butylcy...	7.822	7.822	12714	7463	1.987	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	195953	0	31.978	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.716	21313	22012	NoCal	2.069	#
16) XH	C9-C10 AR...	10.410	8.424	17	86037	NoCal	8.089	#
17) TM	Naphthalene	10.246	10.246	13937	20141	NoCal	2.402	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

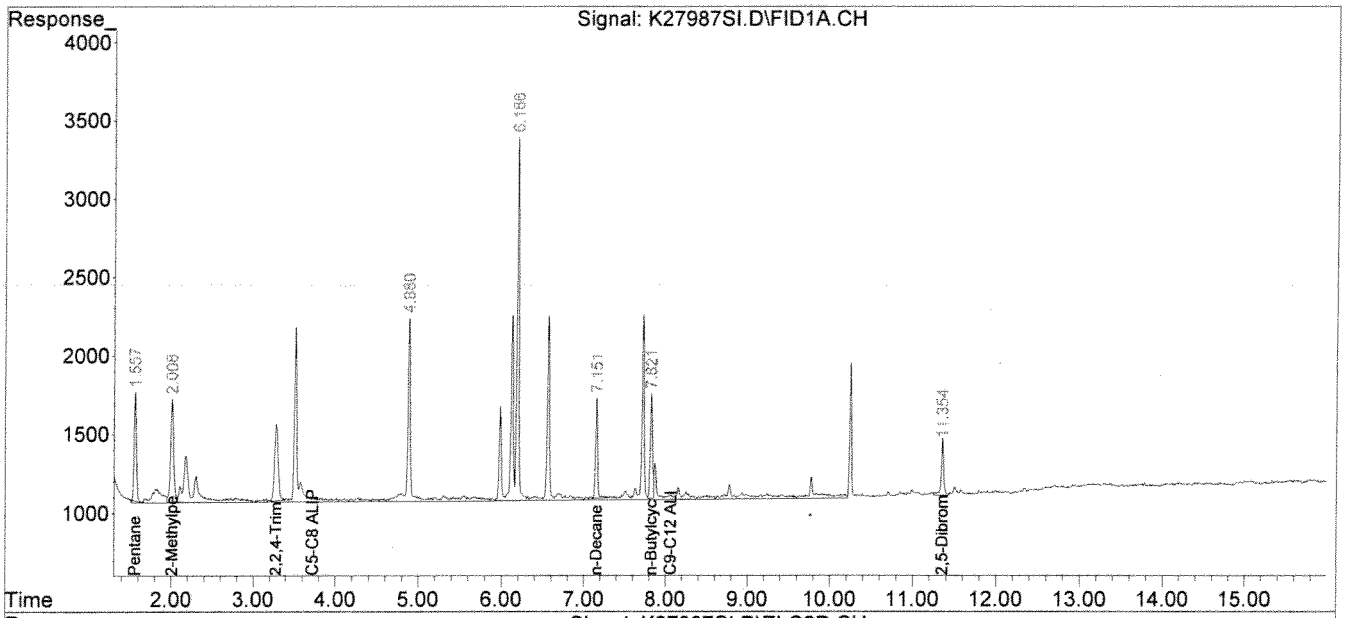
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27987SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:57 pm
Operator : JJL
Sample : VPH 2 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

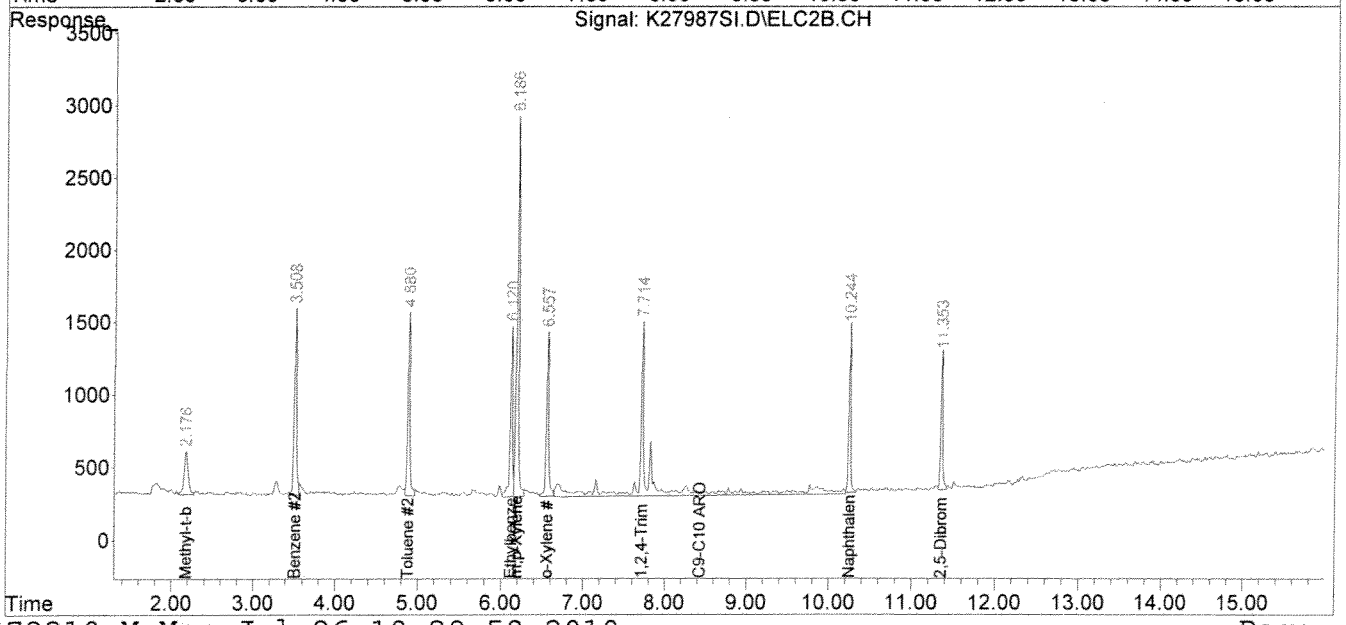
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27988SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:21 pm
Operator : JJL
Sample : VPH 5 UG/L
Misc : 5000
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

BS 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.355	11.354	13711	34040	5.732	4.991	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	5.73%#	4.99%#
	Target Compounds							
1) Z	Pentane	1.559	1.560	31554	800	6.563	NoCal	#
2) Z	2-Methylp...	2.009	2.013	37332	935	5.389	NoCal	#
3) TM	Methyl-t-...	2.178	2.177	21475	20790	NoCal	4.835	#
4) Z	2,2,4-Tri...	3.278	3.278	38234	8636	5.764	NoCal	#
5) TM	Benzene	3.509	3.509	49820	63236	NoCal	4.778	#
6) TM	Toluene	4.881	4.881	51479	56741	NoCal	4.637	#
7) XH	C5-C8 ALI...	3.717	0.000	284049	0	47.932	N.D.	#
9) TM	Ethylbenzene	6.122	6.122	49284	49672	NoCal	4.690	#
10) TM	m,p-Xylene	6.188	6.187	97868	114256	NoCal	9.222	#
11) TM	o-Xylene	6.559	6.558	49457	49516	NoCal	4.627	#
12) Z	n-Decane	7.152	7.152	24751	4594	4.226	NoCal	#
13) Z	n-Butylcy...	7.822	7.822	32177	18542	5.028	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	377560	0	61.614	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.716	47838	49294	NoCal	4.634	#
16) XH	C9-C10 AR...	10.410	8.424	21	117184	NoCal	11.017	#
17) TM	Naphthalene	10.246	10.245	31659	44071	NoCal	5.255	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

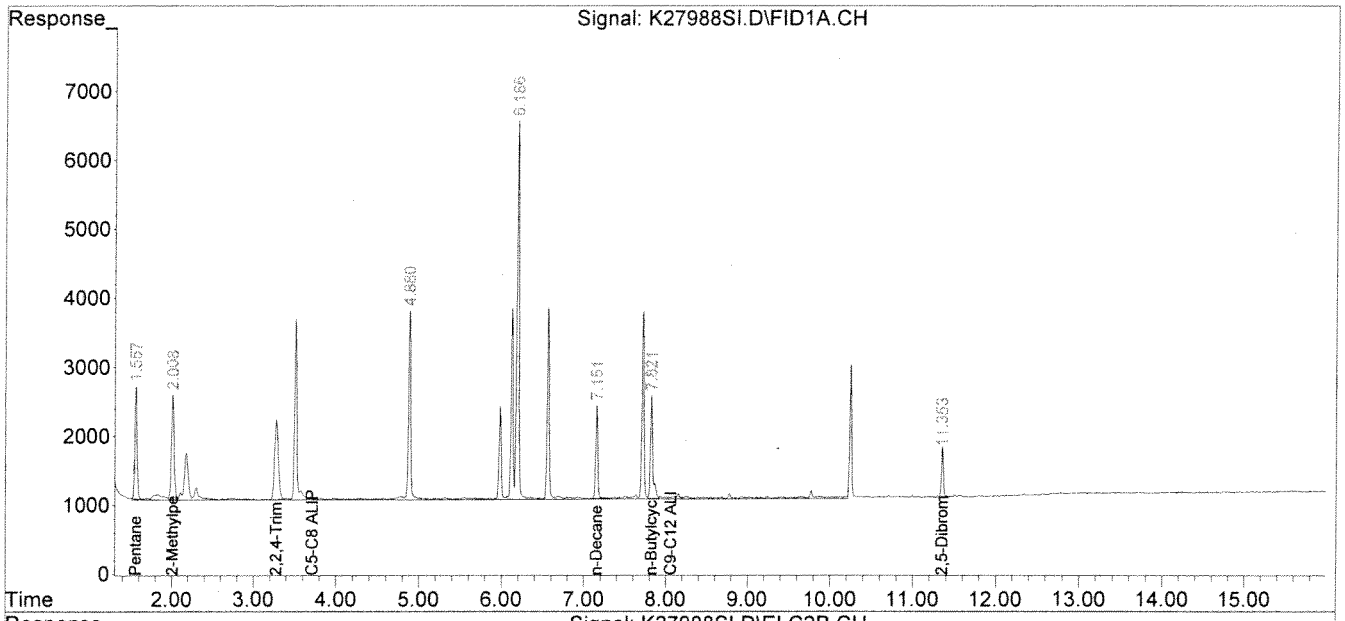
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27988SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:21 pm
Operator : JJL
Sample : VPH 5 UG/L
Misc : 5000
ALS Vial : 11 Sample Multiplier: 1

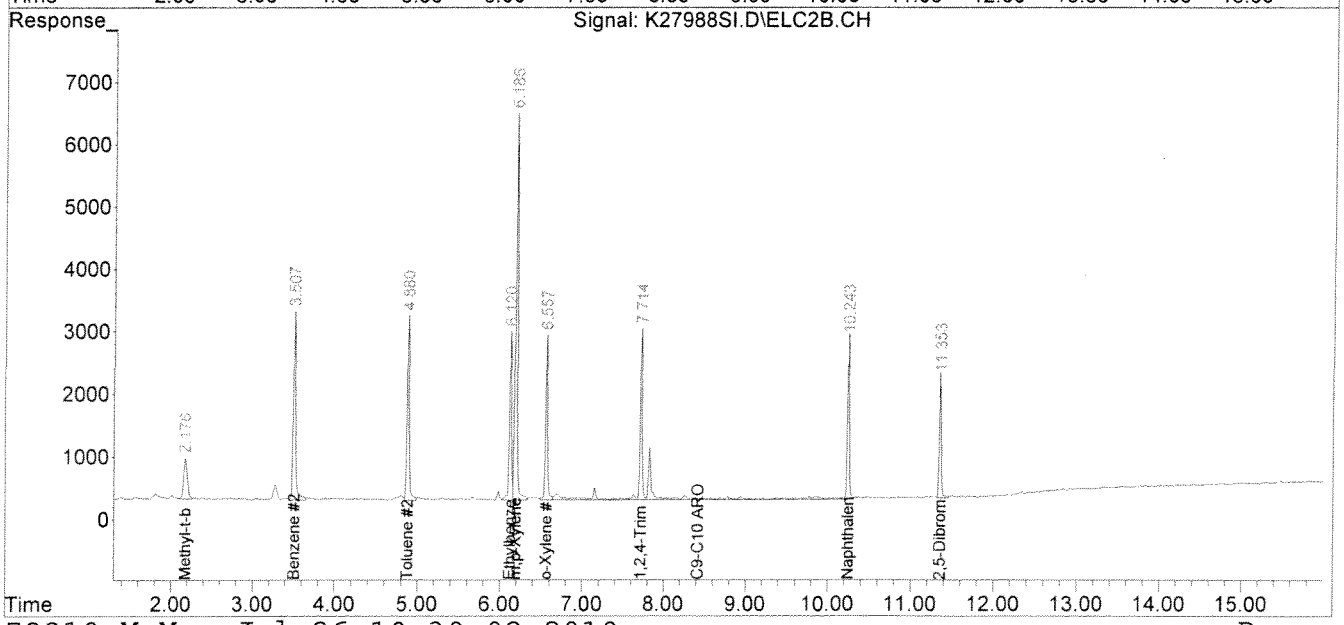
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27989SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:46 pm
Operator : JJL
Sample : VPH 20 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
18) S 2,5-Dibro...	11.354	11.354	51672	142985	21.603	20.965
Spiked Amount	100.000	Range	70 - 130	Recovery	=	21.60%# 20.97%#
Target Compounds						
1) Z Pentane	1.558	1.560	142930	1914	29.727	NoCal #
2) Z 2-Methylp...	2.009	2.009	164135	6953	23.695	NoCal #
3) TM Methyl-t-...	2.177	2.177	86452	89681	NoCal	20.858 #
4) Z 2,2,4-Tri...	3.279	3.279	177924	37078	26.823	NoCal #
5) TM Benzene	3.509	3.508	224880	261797	NoCal	19.781 #
6) TM Toluene	4.881	4.881	219703	238095	NoCal	19.458 #
7) XH C5-C8 ALI...	3.717	0.000	1082237	0	182.622	N.D. #
9) TM Ethylbenzene	6.122	6.121	214077	209568	NoCal	19.787 #
10) TM m,p-Xylene	6.188	6.187	432228	493591	NoCal	39.840 #
11) TM o-Xylene	6.559	6.558	216641	209641	NoCal	19.588 #
12) Z n-Decane	7.152	7.152	103821	15722	17.728	NoCal #
13) Z n-Butylcy...	7.822	7.821	131857	75965	20.605	NoCal #
14) XH C9-C12 AL...	8.070	0.000	1472392	0	240.281	N.D. #
15) ZM 1,2,4-Tri...	7.716	7.715	208184	213051	NoCal	20.030 #
16) XH C9-C10 AR...	10.410	8.424	15	359365	NoCal	33.786 #
17) TM Naphthalene	10.245	10.245	135712	187732	NoCal	22.384 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

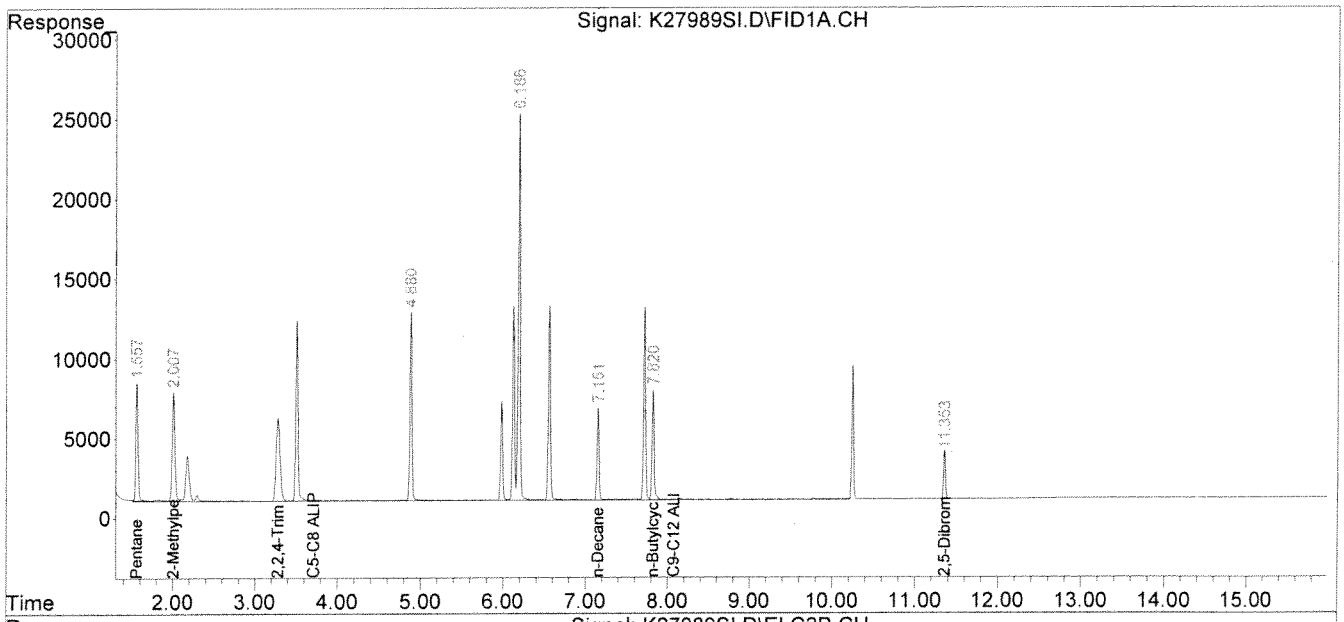
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27989SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:46 pm
Operator : JJL
Sample : VPH 20 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

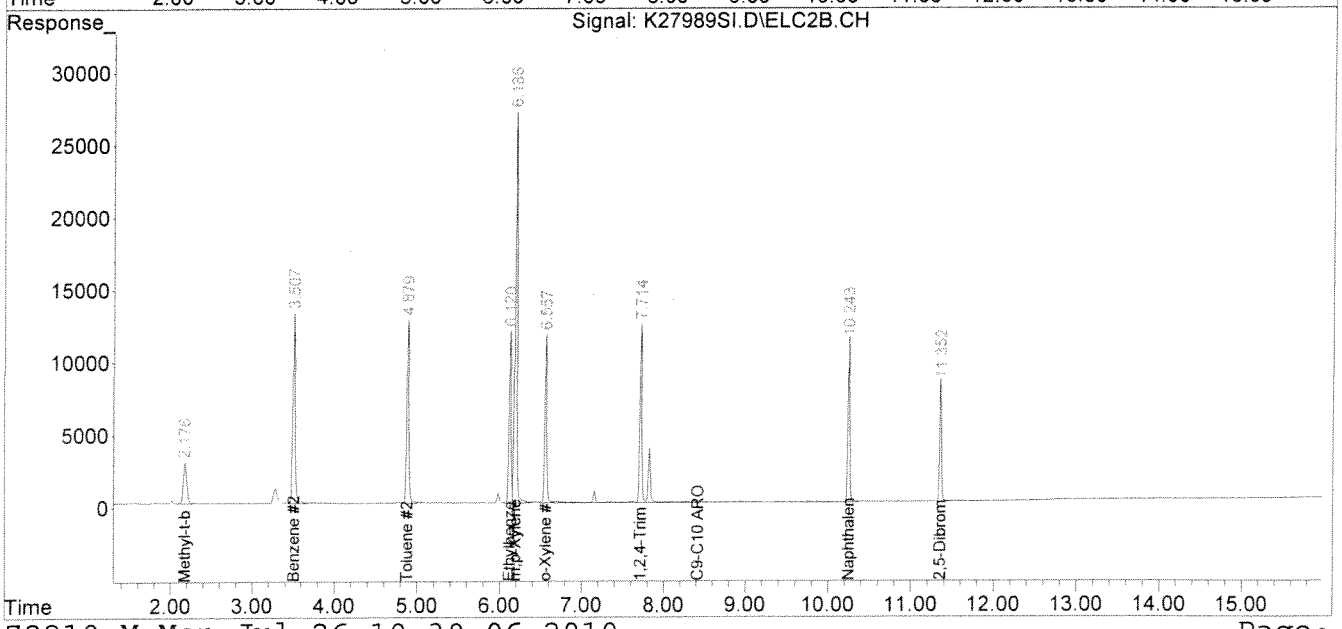
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

JMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27990SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:11 pm
Operator : JJL
Sample : VPH 50 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10
VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.355	11.354	135586	379266	56.686	55.609	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	56.69%#	55.61%#
	Target Compounds							
1) Z	Pentane	1.559	1.559	360111	5164	74.896	NoCal	#
2) Z	2-Methylp...	2.009	2.009	412339	16154	59.526	NoCal	#
3) TM	Methyl-t-...	2.177	2.177	219837	226301	NoCal	52.632	#
4) Z	2,2,4-Tri...	3.280	3.280	418763	84499	63.131	NoCal	#
5) TM	Benzene	3.509	3.509	555846	656084	NoCal	49.572	#
6) TM	Toluene	4.881	4.881	551311	598686	NoCal	48.928	#
7) XH	C5-C8 ALI...	3.717	0.000	2615450	0	441.343	N.D.	#
9) TM	Ethylbenzene	6.122	6.121	541215	530358	NoCal	50.076	#
10) TM	m,p-Xylene	6.188	6.188	1097619	1247921	NoCal	100.725	#
11) TM	o-Xylene	6.559	6.558	547299	530782	NoCal	49.594	#
12) Z	n-Decane	7.152	7.152	278934	40496	47.630	NoCal	#
13) Z	n-Butylcy...	7.822	7.821	338833	193986	52.948	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	3696091	0	603.168	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	533627	548257	NoCal	51.544	#
16) XH	C9-C10 AR...	10.410	8.424	54	849808	NoCal	79.895	#
17) TM	Naphthalene	10.245	10.245	353200	485287	NoCal	57.862	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

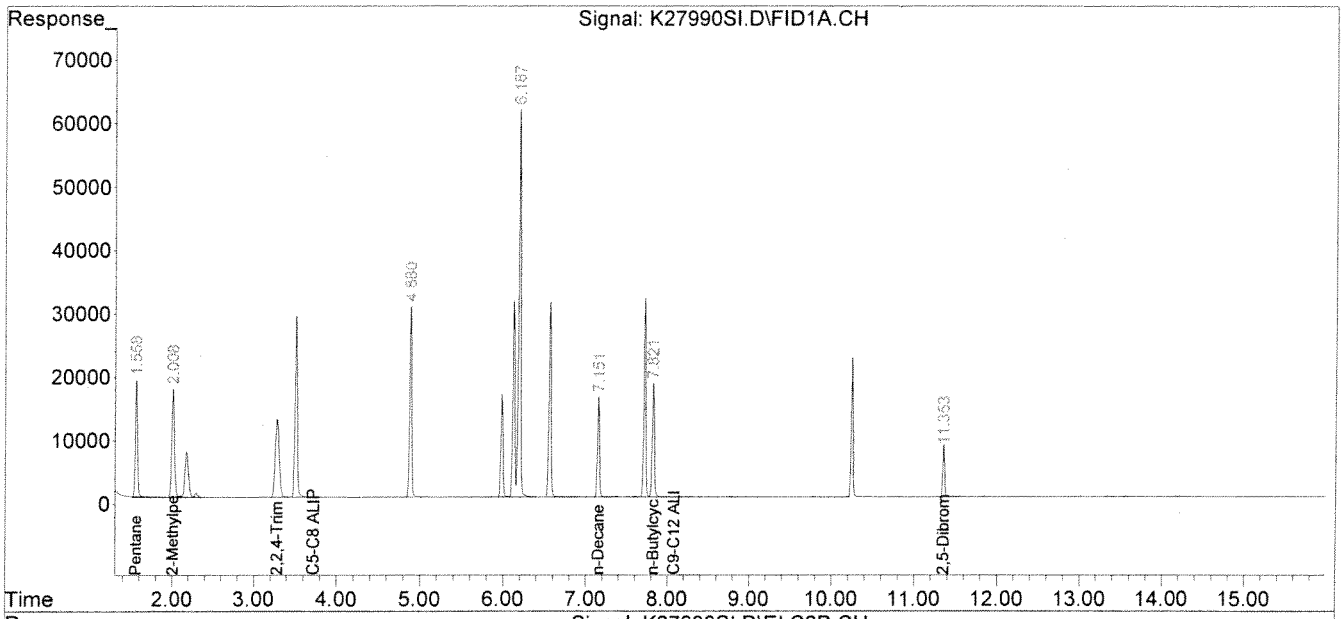
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27990SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:11 pm
Operator : JJL
Sample : VPH 50 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

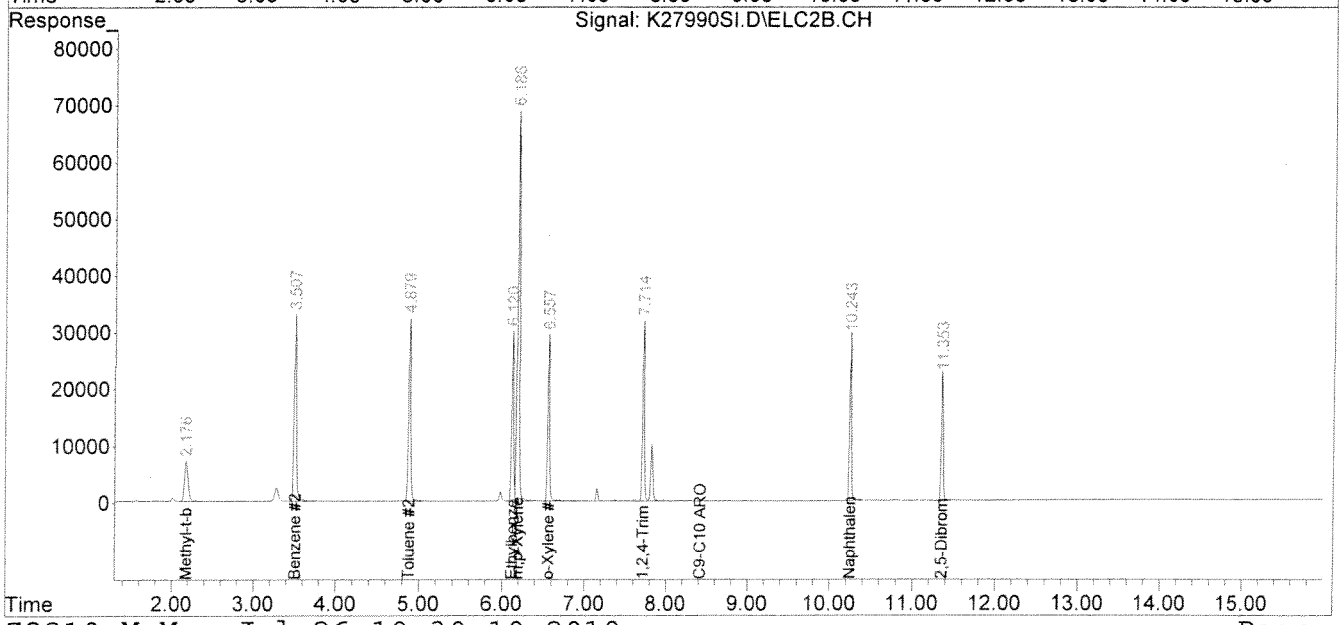
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27991SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:36 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:12:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.355	11.354	285904	815340	97.202	103.300	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	97.20%	103.30%
	Target Compounds							
1) Z	Pentane	1.559	1.559	757038	9686	108.188	NoCal	#
2) Z	2-Methylp...	2.009	2.009	868989	32171	106.171	NoCal	#
3) TM	Methyl-t-...	2.178	2.177	438527	447939	NoCal	96.052	#
4) Z	2,2,4-Tri...	3.280	3.280	799271	162150	103.574	NoCal	#
5) TM	Benzene	3.510	3.509	1127517	1320966	NoCal	101.517	#
6) TM	Toluene	4.882	4.881	1117393	1223183	NoCal	102.568	#
7) XH	C5-C8 ALI...	3.717	0.000	5246542	0	716.286	N.D.	#
9) TM	Ethylbenzene	6.123	6.122	1106103	1087175	NoCal	99.501	#
10) TM	m,p-Xylene	6.190	6.189	2249248	2565975	NoCal	204.524	#
11) TM	o-Xylene	6.560	6.559	1115798	1082680	NoCal	96.788	#
12) Z	n-Decane	7.153	7.153	799691	117574	115.954	NoCal	#
13) Z	n-Butylcy...	7.823	7.822	802941	461864	109.075	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	7979371	0	1119.285	N.D.	#
15) ZM	1,2,4-Tri...	7.717	7.716	1100720	1135642	NoCal	96.274	#
16) XH	C9-C10 AR...	10.410	8.424	20	1807342	NoCal	153.217	#
17) TM	Naphthalene	10.246	10.245	721604	997055	NoCal	97.824	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

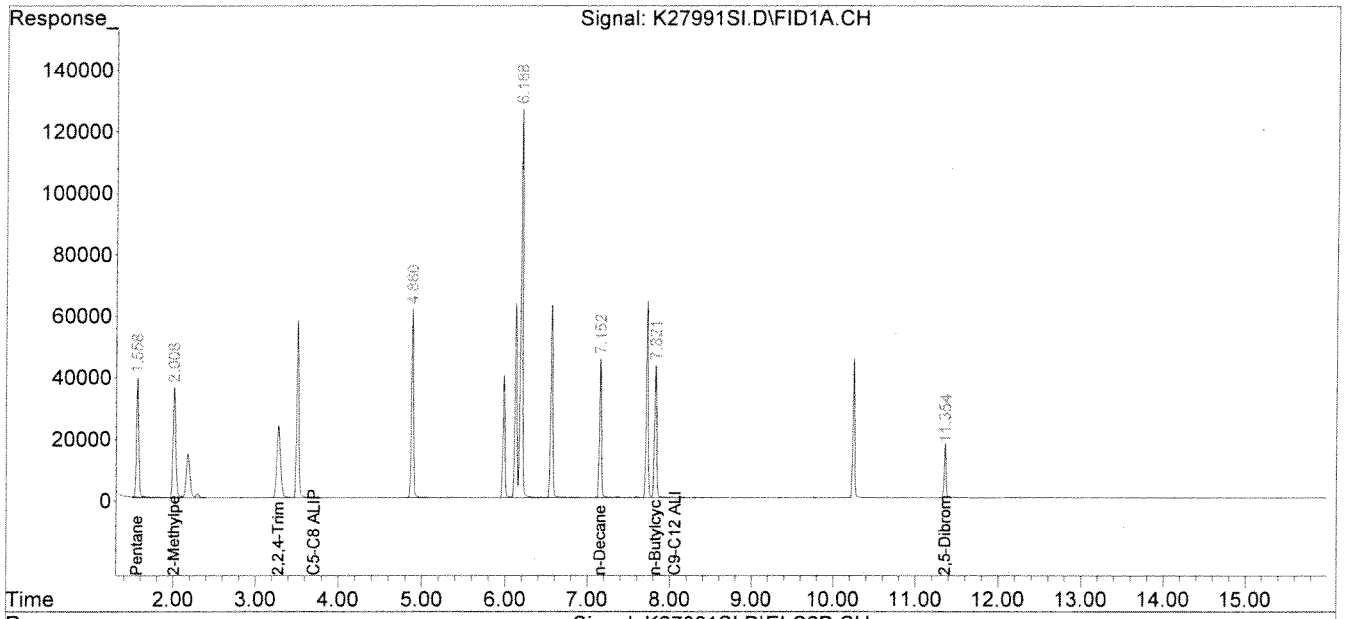
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27991SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:36 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

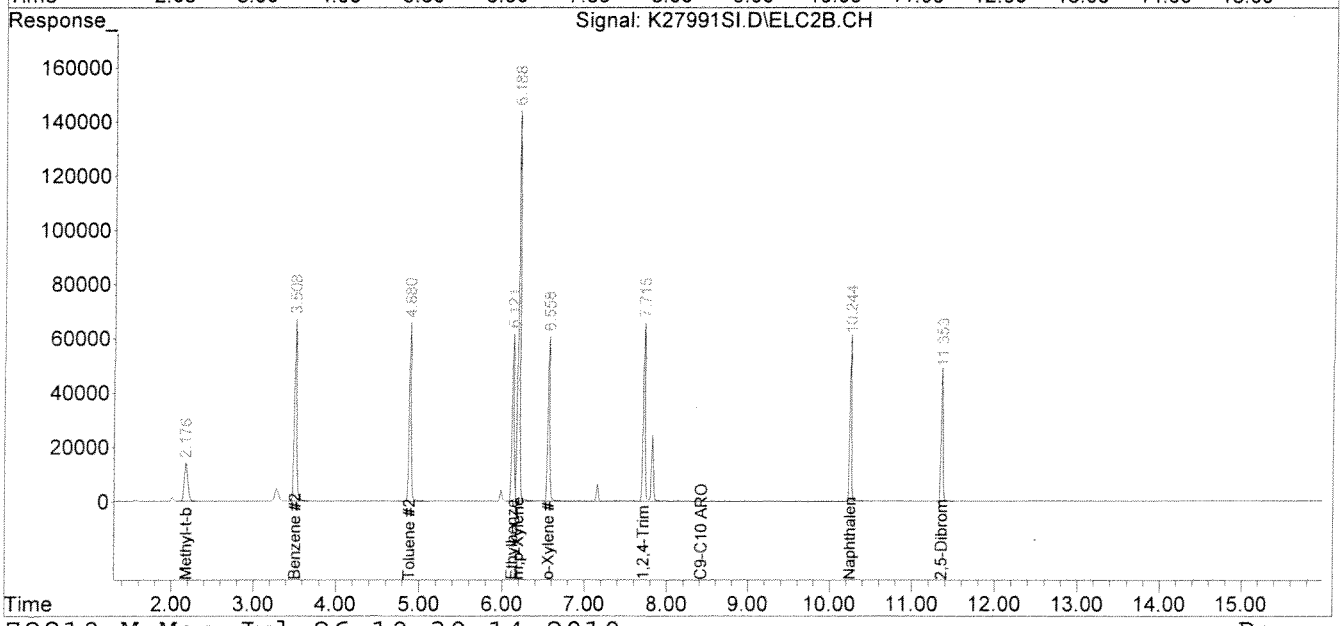
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:12:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27992SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:00 pm
Operator : JJL
Sample : VPH 200 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.356	11.355	573767	1641106	239.880	240.622	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 239.88%# 240.62%#							
		Target Compounds							
1)	Z	Pentane	1.560	1.559	1489524	22671	309.791	NoCal	#
2)	Z	2-Methylp...	2.010	2.009	1701064	67354	245.570	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	852664	873179	NoCal	203.081	#
4)	Z	2,2,4-Tri...	3.281	3.281	1341020	278226	202.168	NoCal	#
5)	TM	Benzene	3.510	3.509	2234430	2633185	NoCal	198.955	#
6)	TM	Toluene	4.883	4.882	2222155	2428518	NoCal	198.472	#
7)	XH	C5-C8 ALI...	3.717	0.000	10054754	0	1696.684	N.D.	#
9)	TM	Ethylbenzene	6.124	6.124	2202865	2170453	NoCal	204.931	#
10)	TM	m,p-Xylene	6.191	6.191	4475121	5070193	NoCal	409.237	#
11)	TM	o-Xylene	6.560	6.560	2219154	2155584	NoCal	201.411	#
12)	Z	n-Decane	7.154	7.154	1731319	253392	295.635	NoCal	#
13)	Z	n-Butylcy...	7.823	7.823	1724578	987446	269.494	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	16235446	0	2649.476	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.717	2196553	2270927	NoCal	213.501	#
16)	XH	C9-C10 AR...	10.410	8.424	218	3642615	NoCal	342.460	#
17)	TM	Naphthalene	10.247	10.246	1421440	1959201	NoCal	233.600	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

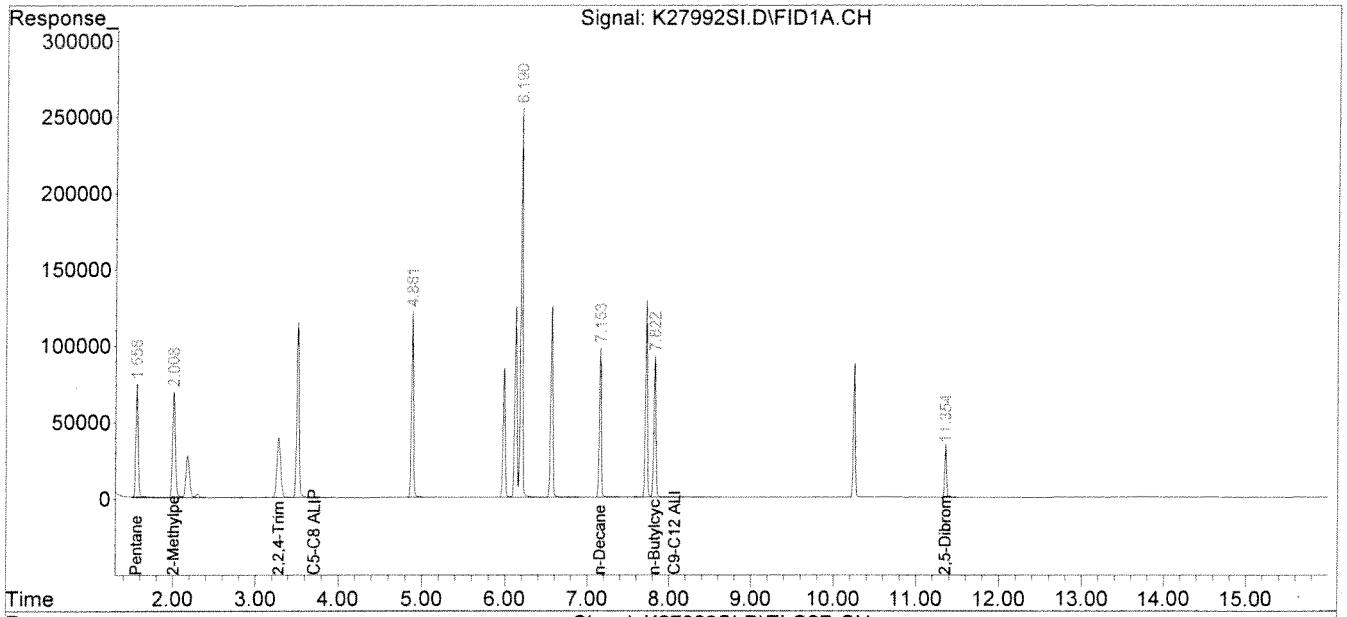
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27992SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:00 pm
Operator : JJL
Sample : VPH 200 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

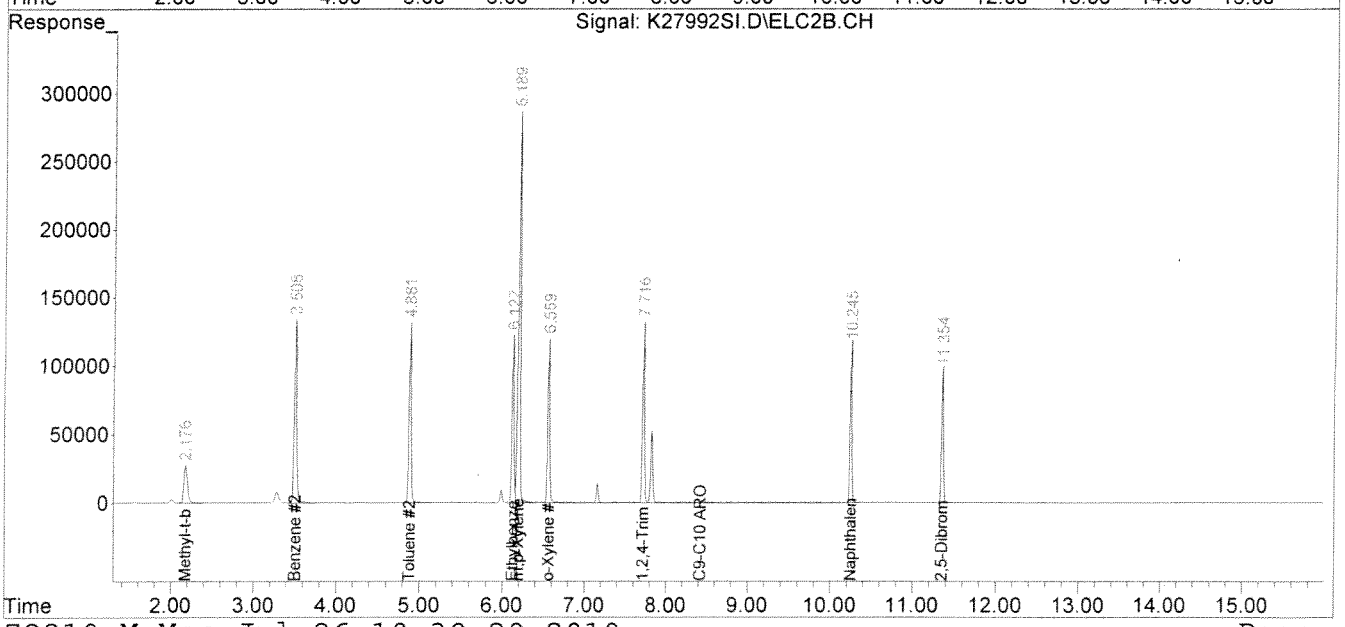
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27994SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:50 pm
Operator : JJL
Sample : VPH 500 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:22:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.358	11.358	1516288	4393616	633.927	644.200	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 633.93%# 644.20%#							
		Target Compounds							
1)	Z	Pentane	1.563	1.563	3340630	49930	694.784	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	3820973	149080	551.605	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	2093459	2099278	NoCal	488.244	#
4)	Z	2,2,4-Tri...	3.281	3.281	2355729	492506	355.142	NoCal	#
5)	TM	Benzene	3.512	3.511	5595001	6576942	NoCal	496.932	#
6)	TM	Toluene	4.885	4.884	5572149	6086295	NoCal	497.405	#
7)	XH	C5-C8 ALI...	3.717	0.000	23833000	0	4021.686	N.D.	#
9)	TM	Ethylbenzene	6.128	6.127	5552765	5457691	NoCal	515.307	#
10)	TM	m,p-Xylene	6.198	6.197	11281535	12618733	NoCal	1018.513	#
11)	TM	o-Xylene	6.564	6.563	5686501	5485280	NoCal	512.526	#
12)	Z	n-Decane	7.158	7.157	4528311	672488	773.240	NoCal	#
13)	Z	n-Butylcy...	7.827	7.827	4806171	2727272	751.045	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	42134988	0	6876.044	N.D.	#
15)	ZM	1,2,4-Tri...	7.722	7.721	5665905	5848096	NoCal	549.808	#
16)	XH	C9-C10 AR...	10.410	8.424	201	9613009	NoCal	903.766	#
17)	TM	Naphthalene	10.250	10.249	3644004	5031020	NoCal	599.860	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

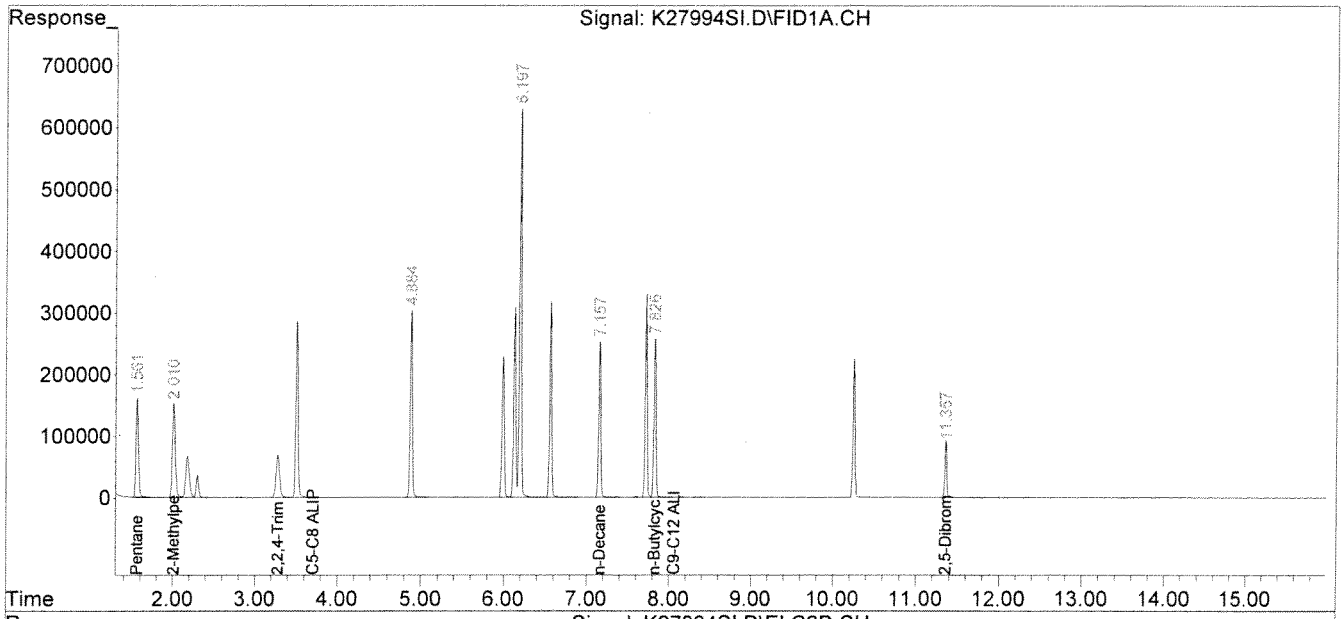
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27994SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:50 pm
Operator : JJL
Sample : VPH 500 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

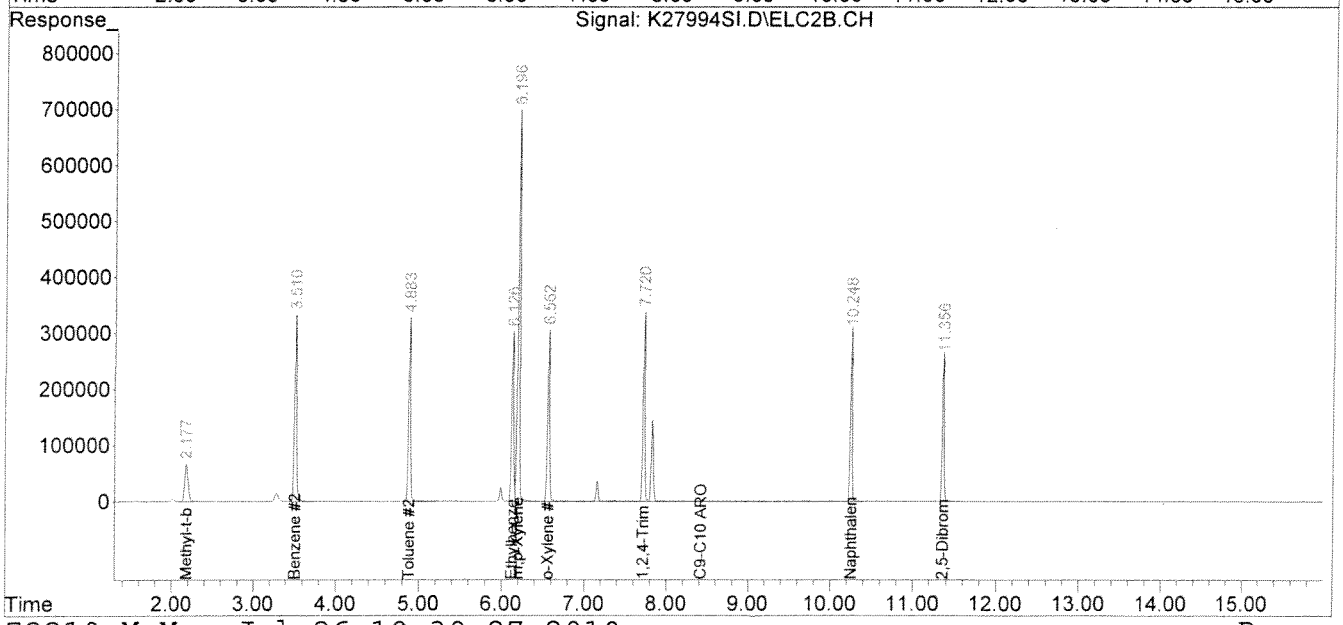
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:22:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 7/26/10

JMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS AQUEOUS
LABORATORY CONTROL SAMPLE

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: LV072210K,ICV
Spike: LV072210K,ICV

SB 7/26/10
VMT 7/26/10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
Pentane	100	70	130	0.0	119	119	
2-Methylpentane	100	70	130	0.0	111	111	
2,2,4-Trimethylpentane	100	70	130	0.0	96	96	
n-Decane	100	70	130	0.0	111	111	
n-Butylcyclohexane	100	70	130	0.0	102	102	
Methyl-t-butylether #2	100	70	130	0.0	95	95	
Benzene #2	100	70	130	0.0	103	103	
Toluene #2	100	70	130	0.0	103	103	
Ethylbenzene #2	100	70	130	0.0	99	99	
m,p-Xylene #2	200	70	130	0.0	204	102	
o-Xylene #2	100	70	130	0.0	97	97	
1,2,4-Trimethylbenzene #2	100	70	130	0.0	97	97	
Naphthalene #2	100	70	130	0.0	100	100	
C5-C8 Aliphatics	300	70	130	0.0	326	109	
C9-C12 Aliphatics	200	70	130	0.0	213	107	
C9-C10 Aromatics #2	100	70	130	0.0	97	97	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VPH FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27996SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 8:40 pm
Operator : JJL
Sample : LV072210K,ICV
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.355	11.354	285249	798627	96.979	101.183	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	96.98% ✓	101.18% ✓
	Target Compounds							
1) Z	Pentane	1.561	1.561	834987	10878	119.328	NoCal	#
2) Z	2-Methylp...	2.010	2.010	908647	31451	111.017	NoCal	#
3) TM	Methyl-t-...	2.178	2.178	442200	444065	NoCal	95.221	#
4) Z	2,2,4-Tri...	3.281	3.280	737656	145579	95.590	NoCal	#
5) TM	Benzene	3.510	3.509	1150422	1337308	NoCal	102.773	#
6) TM	Toluene	4.882	4.881	1133173	1225710	NoCal	102.780	#
7) XH	C5-C8 ALI...	3.717	0.000	5289562	0	722.160	N.D.	#
9) TM	Ethylbenzene	6.123	6.122	1116218	1086585	NoCal	99.447	#
10) TM	m,p-Xylene	6.189	6.189	2257214	2559629	NoCal	204.018	#
11) TM	o-Xylene	6.560	6.559	1125050	1087200	NoCal	97.192	#
12) Z	n-Decane	7.153	7.153	765948	107246	111.061	NoCal	#
13) Z	n-Butylcy...	7.823	7.822	751300	425339	102.060	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	7886409	0	1106.244	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.716	1124367	1147407	NoCal	97.271	#
16) XH	C9-C10 AR...	10.410	8.424	108	1773360	NoCal	150.336	#
17) TM	Naphthalene	10.246	10.245	748130	1019126	NoCal	99.989	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

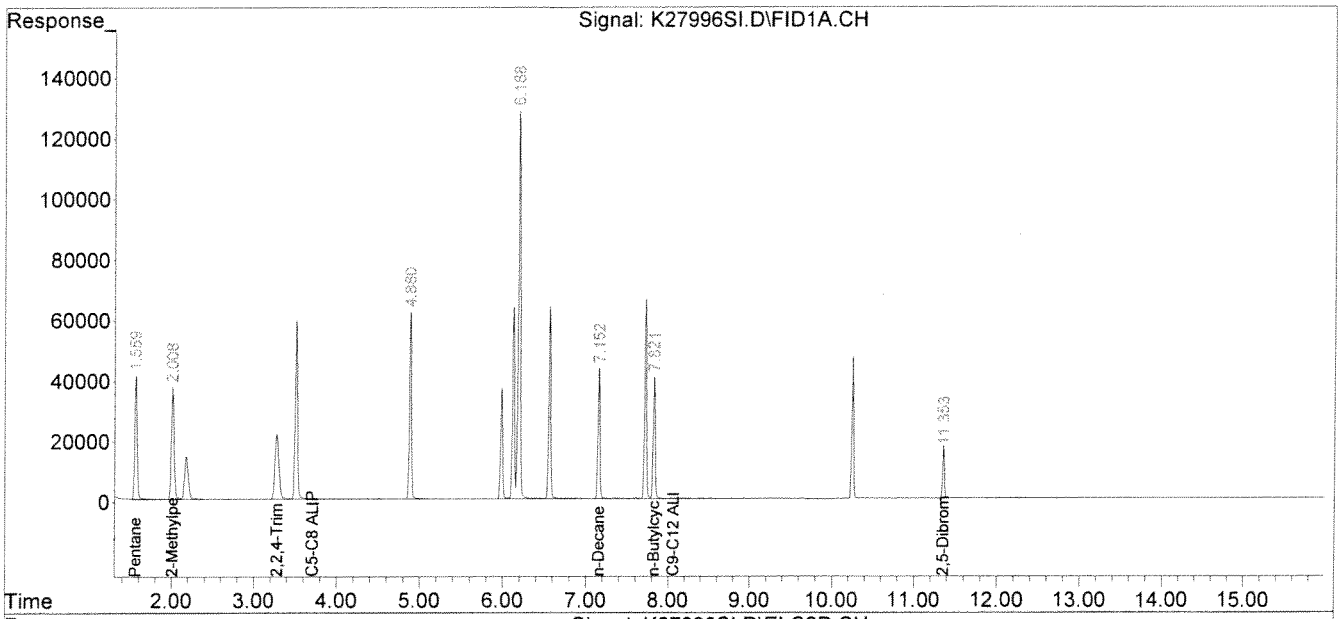
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27996SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 8:40 pm
Operator : JJL
Sample : LV072210K,ICV
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

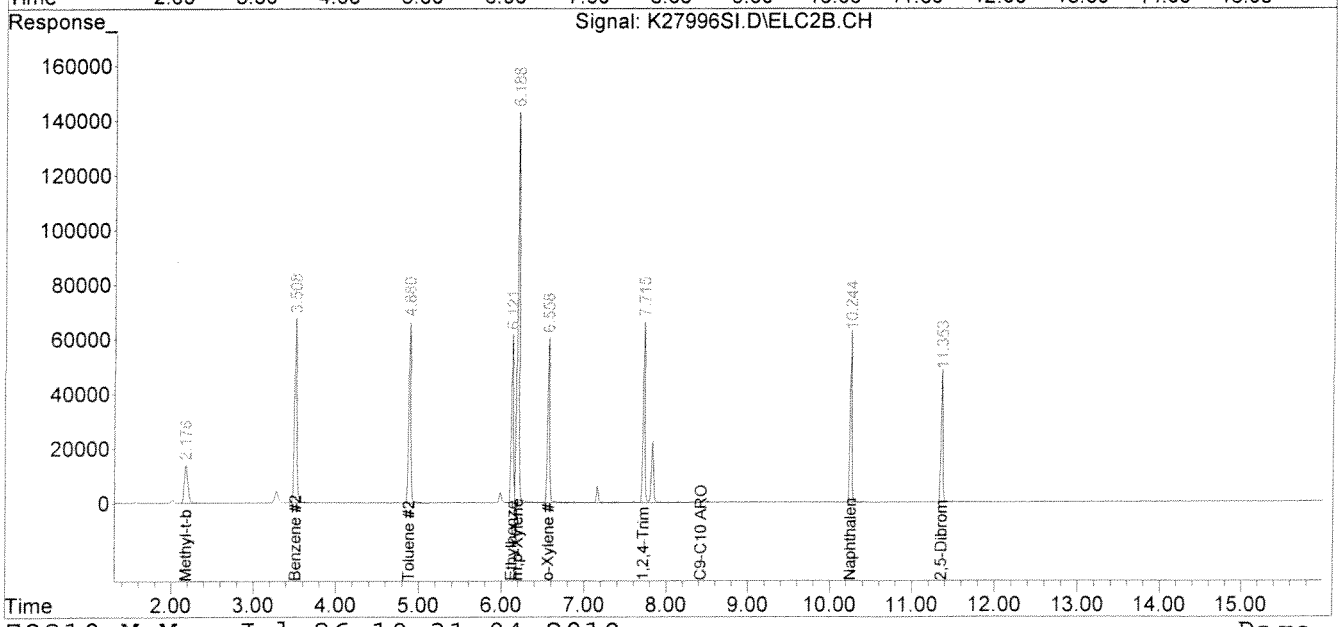
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K29019SC.D

gg 9/22/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	9.9	
2-Methylpentane	91	9.1	
2,2,4-Trimethylpentane	106	5.9	
n-Decane	94	5.9	
n-Butylcyclohexane	89	10.6	
2,5-Dibromotoluene	83	16.7	
Methyl-t-butylether #2	90	9.9	
Benzene #2	97	3.2	
Toluene #2	97	2.7	
Ethylbenzene #2	95	5.0	
m,p-Xylene #2	194	2.9	
o-Xylene #2	93	7.3	
1,2,4-Trimethylbenzene #2	92	8.2	
Naphthalene #2	78	21.8	
2,5-Dibromotoluene #2	90	10.1	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 392210

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K29019SC.D
Date Acquired 9/21/2010 17:47

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5598	1.5680	0.0082	0.0438	OK	90.13	9.87	OK
2-Methylpentane	2.0108	2.0150	0.0043	0.0447	OK	90.87	9.13	OK
2,2,4-Trimethylpentane	3.2807	3.2850	0.0044	0.0405	OK	105.93	5.93	OK
C5-C8 ALIPHATICS						286.93	4.36	OK
n-Decane	7.1521	7.1540	0.0019	0.0380	OK	94.07	5.93	OK
n-Butylcyclohexane	7.8217	7.8240	0.0023	0.0380	OK	89.35	10.65	OK
C9-C12 ALIPHATICS						183.42	8.29	OK
2,5-Dibromotoluene	11.3540	11.3580	0.0040	0.0380	OK	83.29	16.71	OK
PID								
Methyl-t-butylether #2	2.1785	2.1830	0.0045	0.0447	OK	90.12	9.88	OK
Benzene #2	3.5090	3.5120	0.0030	0.0380	OK	96.85	3.15	OK
Toluene #2	4.8808	4.8830	0.0022	0.0344	OK	97.35	2.65	OK
Ethylbenzene #2	6.1212	6.1240	0.0028	0.0344	OK	95.02	4.98	OK
m,p-Xylene #2	6.1879	6.1900	0.0021	0.0344	OK	194.21	2.89	OK
o-Xylene #2	6.5576	6.5610	0.0034	0.0344	OK	92.66	7.34	OK
1,2,4-Trimethylbenzene #2	7.7152	7.7180	0.0028	0.0344	OK	91.76	8.24	OK
C9-C10 AROMATICS #2						91.76	8.24	OK
Naphthalene #2	10.2438	10.2480	0.0042	0.0344	OK	78.19	21.81	OK
2,5-Dibromotoluene #2	11.3534	11.3570	0.0036	0.0344	OK	89.89	10.11	OK

86 9/22/10

J92210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29019SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 5:47 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 18:03:56 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.353	244981	709509	83.289	89.892	
		Spiked Amount	100.000	Range	70 - 130	Recovery	=	83.29%	89.89%
		Target Compounds							
1)	Z	Pentane	1.560	1.560	630703	8248	90.134	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	743719	28493	90.866	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	411800	420298	NoCal	90.125	#
4)	Z	2,2,4-Tri...	3.281	3.280	817443	173664	105.929	NoCal	#
5)	TM	Benzene	3.509	3.509	1050912	1260232	NoCal	96.850	#
6)	TM	Toluene	4.881	4.881	1045231	1160935	NoCal	97.348	#
7)	XH	C5-C8 ALI...	3.717	0.000	5324706	0	726.958	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	1031418	1038245	NoCal	95.023	#
10)	TM	m,p-Xylene	6.188	6.188	2089827	2436624	NoCal	194.213	#
11)	TM	o-Xylene	6.558	6.558	1043656	1036562	NoCal	92.665	#
12)	Z	n-Decane	7.152	7.152	648754	98901	94.068	NoCal	#
13)	Z	n-Butylcy...	7.822	7.821	657770	395366	89.355	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7145572	0	1002.326	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.715	1015029	1082429	NoCal	91.762	#
16)	XH	C9-C10 AR...	10.410	8.424	33	1741803	NoCal	147.661	#
17)	TM	Naphthalene	10.244	10.244	564137	796903	NoCal	78.186	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

S92210

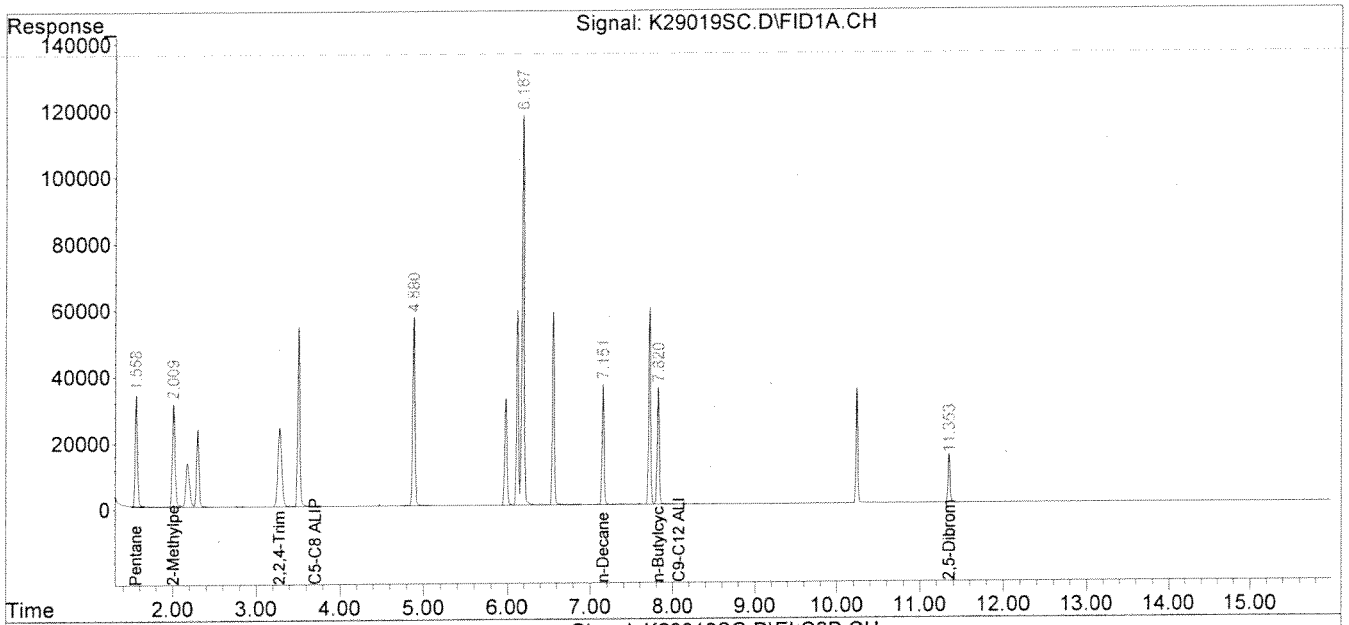
Quantitation Report (Not Reviewed)

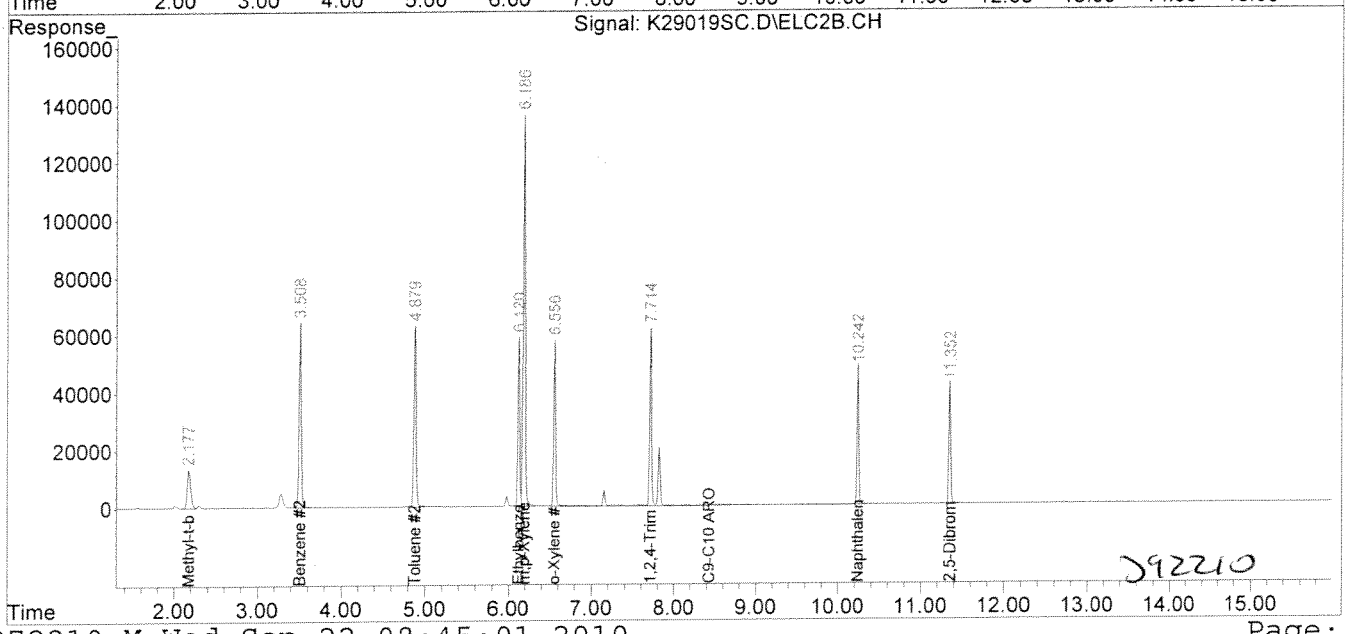
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29019SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 5:47 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 18:03:56 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJS 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





D92210

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K29041SC.D

9/22/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	10.1	
2-Methylpentane	90	9.8	
2,2,4-Trimethylpentane	104	4.1	
n-Decane	86	13.7	
n-Butylcyclohexane	85	15.0	
2,5-Dibromotoluene	86	14.1	
Methyl-t-butylether #2	91	8.7	
Benzene #2	97	3.1	
Toluene #2	97	2.8	
Ethylbenzene #2	95	5.3	
m,p-Xylene #2	194	2.8	
o-Xylene #2	92	7.9	
1,2,4-Trimethylbenzene #2	91	9.2	
Naphthalene #2	84	15.5	
2,5-Dibromotoluene #2	92	8.4	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/22/10

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K29041SC.D
Date Acquired 9/22/2010 3:14

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5599	1.5680	0.0081	0.0438	OK	89.90	10.10	OK
2-Methylpentane	2.0108	2.0150	0.0042	0.0447	OK	90.24	9.76	OK
2,2,4-Trimethylpentane	3.2809	3.2850	0.0041	0.0405	OK	104.06	4.06	OK
C5-C8 ALIPHATICS						284.19	5.27	OK
n-Decane	7.1523	7.1540	0.0017	0.0380	OK	86.32	13.68	OK
n-Butylcyclohexane	7.8217	7.8240	0.0023	0.0380	OK	85.03	14.97	OK
C9-C12 ALIPHATICS						171.35	14.32	OK
2,5-Dibromotoluene	11.3542	11.3580	0.0038	0.0380	OK	85.91	14.09	OK
PID								
Methyl-t-butylether #2	2.1786	2.1830	0.0044	0.0447	OK	91.26	8.74	OK
Benzene #2	3.5092	3.5120	0.0028	0.0380	OK	96.87	3.13	OK
Toluene #2	4.8811	4.8830	0.0019	0.0344	OK	97.22	2.78	OK
Ethylbenzene #2	6.1215	6.1240	0.0025	0.0344	OK	94.69	5.31	OK
m,p-Xylene #2	6.1884	6.1900	0.0017	0.0344	OK	194.38	2.81	OK
o-Xylene #2	6.5581	6.5610	0.0029	0.0344	OK	92.13	7.87	OK
1,2,4-Trimethylbenzene #2	7.7154	7.7180	0.0026	0.0344	OK	90.79	9.21	OK
C9-C10 AROMATICS #2						90.79	9.21	OK
Naphthalene #2	10.2441	10.2480	0.0039	0.0344	OK	84.50	15.50	OK
2,5-Dibromotoluene #2	11.3536	11.3570	0.0034	0.0344	OK	91.58	8.42	OK

9/22/10

9/22/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29041SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:14 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:38:08 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

System Monitoring Compounds

18) S	2,5-Dibro...	11.354	11.354	252695	722807	85.912	91.577

Spiked Amount 100.000 Range 70 - 130 Recovery = 85.91% 91.58%

Target Compounds

1) Z	Pentane	1.560	1.560	629042	7975	89.896	NoCal	#
2) Z	2-Methylp...	2.011	2.011	738573	25914	90.237	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	424717	425582	NoCal	91.258	#
4) Z	2,2,4-Tri...	3.281	3.281	803015	160952	104.059	NoCal	#
5) TM	Benzene	3.510	3.509	1063540	1260503	NoCal	96.870	#
6) TM	Toluene	4.882	4.881	1059414	1159411	NoCal	97.221	#
7) XH	C5-C8 ALI...	3.717	0.000	5318644	0	726.130	N.D.	#
9) TM	Ethylbenzene	6.122	6.122	1046113	1034573	NoCal	94.686	#
10) TM	m,p-Xylene	6.189	6.188	2121580	2438675	NoCal	194.377	#
11) TM	o-Xylene	6.559	6.558	1053234	1030538	NoCal	92.126	#
12) Z	n-Decane	7.152	7.152	595295	84426	86.317	NoCal	#
13) Z	n-Butylcy...	7.822	7.821	625970	362351	85.035	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	7092126	0	994.829	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	1031548	1070946	NoCal	90.789	#
16) XH	C9-C10 AR...	10.410	8.424	43	1590679	NoCal	134.849	#
17) TM	Naphthalene	10.245	10.244	620870	861232	NoCal	84.498	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

S92210

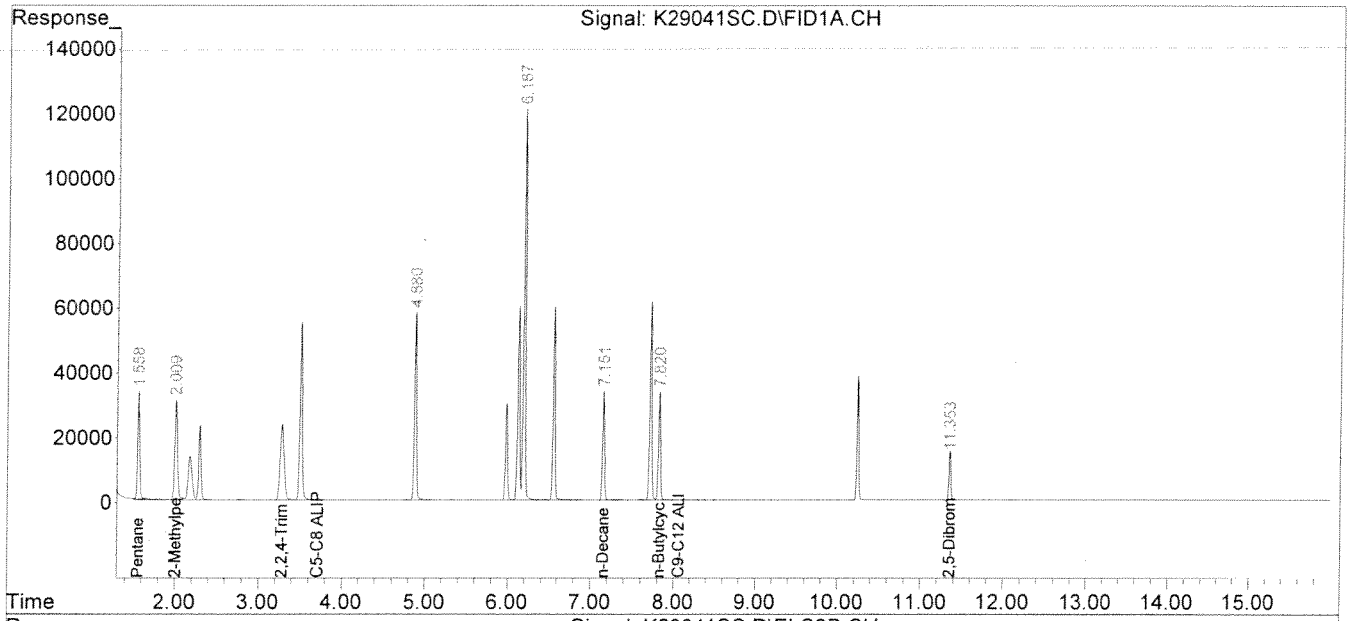
Quantitation Report (Not Reviewed)

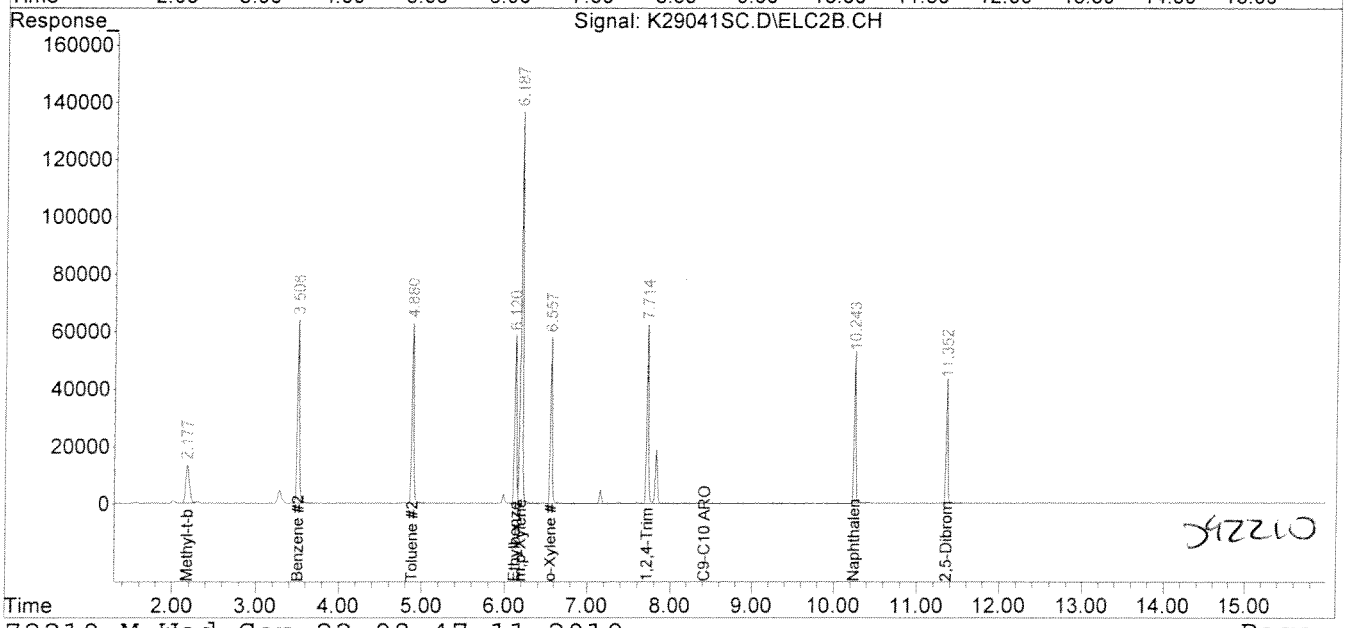
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29041SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:14 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:38:08 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

98 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J 92210

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K29042SC.D

88 9/22/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	10.4	
2-Methylpentane	90	9.9	
2,2,4-Trimethylpentane	103	2.8	
n-Decane	90	9.9	
n-Butylcyclohexane	88	12.4	
2,5-Dibromotoluene	88	11.7	
Methyl-t-butylether #2	93	7.4	
Benzene #2	97	3.1	
Toluene #2	97	2.5	
Ethylbenzene #2	95	5.0	
m,p-Xylene #2	195	2.4	
o-Xylene #2	93	7.0	
1,2,4-Trimethylbenzene #2	92	8.2	
Naphthalene #2	87	12.9	
2,5-Dibromotoluene #2	94	6.2	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 092210

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K29042SC.D
Date Acquired 9/22/2010 3:39

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5603	1.5680	0.0077	0.0438	OK	89.62	10.38	OK
2-Methylpentane	2.0109	2.0150	0.0041	0.0447	OK	90.13	9.87	OK
2,2,4-Trimethylpentane	3.2809	3.2850	0.0042	0.0405	OK	102.82	2.82	OK
C5-C8 ALIPHATICS						282.56	5.81	OK
n-Decane	7.1525	7.1540	0.0015	0.0380	OK	90.11	9.89	OK
n-Butylcyclohexane	7.8216	7.8240	0.0024	0.0380	OK	87.61	12.39	OK
C9-C12 ALIPHATICS						177.71	11.14	OK
2,5-Dibromotoluene	11.3541	11.3580	0.0039	0.0380	OK	88.33	11.67	OK
PID								
Methyl-t-butylether #2	2.1787	2.1830	0.0043	0.0447	OK	92.65	7.35	OK
Benzene #2	3.5091	3.5120	0.0029	0.0380	OK	96.88	3.12	OK
Toluene #2	4.8809	4.8830	0.0021	0.0344	OK	97.46	2.54	OK
Ethylbenzene #2	6.1216	6.1240	0.0024	0.0344	OK	94.98	5.02	OK
m,p-Xylene #2	6.1884	6.1900	0.0016	0.0344	OK	195.29	2.36	OK
o-Xylene #2	6.5580	6.5610	0.0030	0.0344	OK	92.95	7.05	OK
1,2,4-Trimethylbenzene #2	7.7153	7.7180	0.0027	0.0344	OK	91.77	8.23	OK
C9-C10 AROMATICS #2						91.77	8.23	OK
Naphthalene #2	10.2444	10.2480	0.0036	0.0344	OK	87.12	12.88	OK
2,5-Dibromotoluene #2	11.3536	11.3570	0.0034	0.0344	OK	93.84	6.16	OK

9/22/10

S42210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29042SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:39 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:38:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.354	11.354	259809	740675	88.330	93.840	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	88.33%	93.84%
	Target Compounds							
1) Z	Pentane	1.560	1.560	627079	7685	89.616	NoCal	#
2) Z	2-Methylp...	2.011	2.011	737676	25568	90.128	NoCal	#
3) TM	Methyl-t-...	2.179	2.179	432222	432072	NoCal	92.649	#
4) Z	2,2,4-Tri...	3.281	3.280	793453	158774	102.820	NoCal	#
5) TM	Benzene	3.510	3.509	1069186	1260638	NoCal	96.881	#
6) TM	Toluene	4.881	4.881	1062637	1162254	NoCal	97.459	#
7) XH	C5-C8 ALI...	3.717	0.000	5323795	0	726.833	N.D.	#
9) TM	Ethylbenzene	6.122	6.122	1049106	1037751	NoCal	94.977	#
10) TM	m,p-Xylene	6.189	6.188	2130857	2450107	NoCal	195.288	#
11) TM	o-Xylene	6.559	6.558	1061763	1039761	NoCal	92.951	#
12) Z	n-Decane	7.152	7.152	621423	88722	90.105	NoCal	#
13) Z	n-Butylcy...	7.822	7.821	644899	372613	87.606	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	7191079	0	1008.709	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	1042215	1082528	NoCal	91.771	#
16) XH	C9-C10 AR...	10.410	8.424	120	1623957	NoCal	137.670	#
17) TM	Naphthalene	10.245	10.244	639146	888002	NoCal	87.124	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

092210

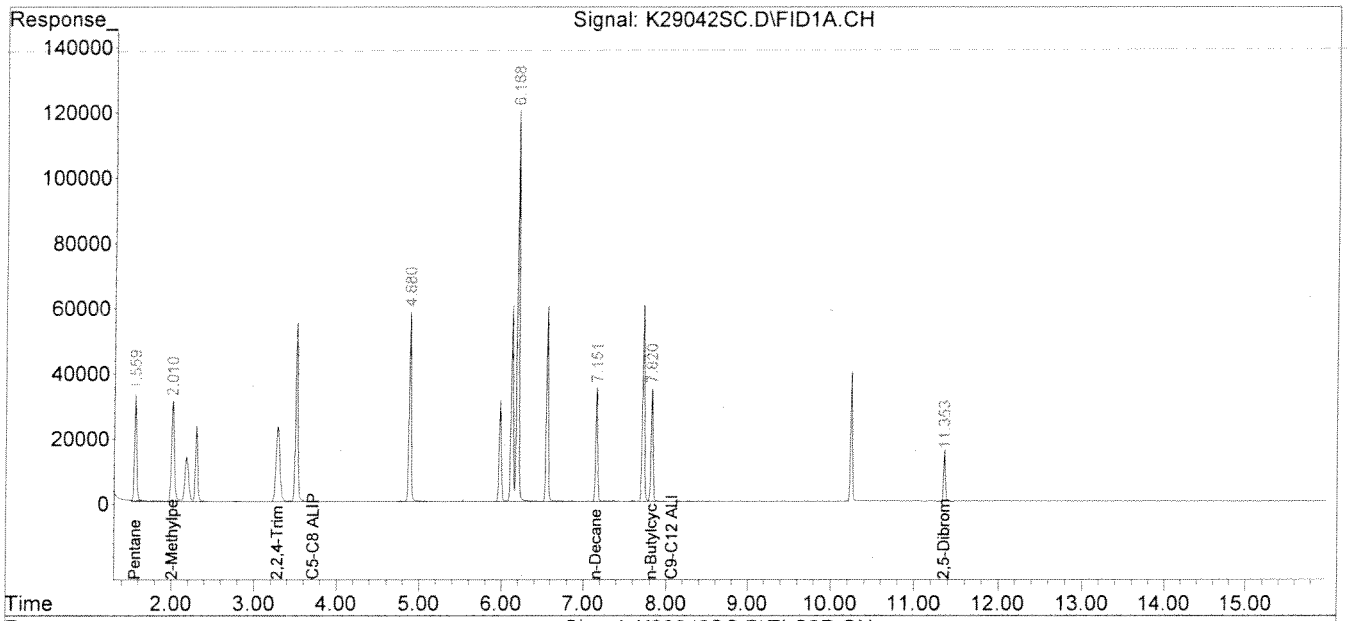
Quantitation Report (Not Reviewed)

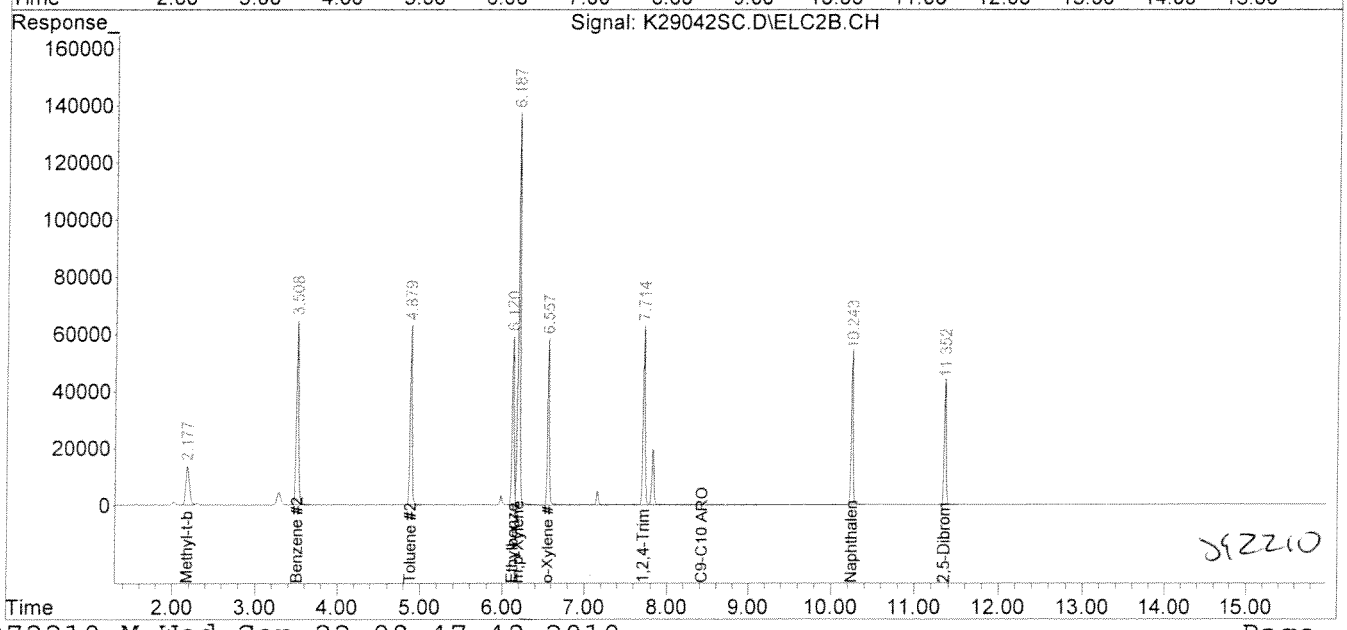
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29042SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 3:39 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 07:38:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





SG2210

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K29044SC.D

gg 9/23/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	93	6.9	
2-Methylpentane	96	4.3	
2,2,4-Trimethylpentane	110	10.3	
n-Decane	106	5.5	
n-Butylcyclohexane	99	1.0	
2,5-Dibromotoluene	80	19.7	
Methyl-t-butylether #2	96	3.9	
Benzene #2	99	0.9	
Toluene #2	100	0.3	
Ethylbenzene #2	97	3.0	
m,p-Xylene #2	199	0.4	
o-Xylene #2	95	4.9	
1,2,4-Trimethylbenzene #2	94	6.0	
Naphthalene #2	88	12.3	
2,5-Dibromotoluene #2	90	10.3	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 092410

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K29044SC.D
Date Acquired 9/22/2010 9:07

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5597	1.5680	0.0083	0.0438	OK	93.11	6.89	OK
2-Methylpentane	2.0105	2.0150	0.0045	0.0447	OK	95.72	4.28	OK
2,2,4-Trimethylpentane	3.2804	3.2850	0.0046	0.0405	OK	110.31	10.31	OK
C5-C8 ALIPHATICS						299.14	0.29	OK
n-Decane	7.1522	7.1540	0.0018	0.0380	OK	105.53	5.53	OK
n-Butylcyclohexane	7.8217	7.8240	0.0023	0.0380	OK	98.96	1.04	OK
C9-C12 ALIPHATICS						204.49	2.24	OK
2,5-Dibromotoluene	11.3539	11.3580	0.0041	0.0380	OK	80.28	19.72	OK
PID								
Methyl-t-butylether #2	2.1784	2.1830	0.0046	0.0447	OK	96.14	3.86	OK
Benzene #2	3.5086	3.5120	0.0034	0.0380	OK	99.12	0.88	OK
Toluene #2	4.8804	4.8830	0.0026	0.0344	OK	99.69	0.31	OK
Ethylbenzene #2	6.1210	6.1240	0.0030	0.0344	OK	97.00	3.00	OK
m,p-Xylene #2	6.1879	6.1900	0.0021	0.0344	OK	199.23	0.38	OK
o-Xylene #2	6.5579	6.5610	0.0031	0.0344	OK	95.10	4.90	OK
1,2,4-Trimethylbenzene #2	7.7151	7.7180	0.0029	0.0344	OK	93.96	6.04	OK
C9-C10 AROMATICS #2						93.96	6.04	OK
Naphthalene #2	10.2441	10.2480	0.0039	0.0344	OK	87.66	12.34	OK
2,5-Dibromotoluene #2	11.3533	11.3570	0.0037	0.0344	OK	89.72	10.28	OK

98 9/23/10

092410

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29044SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 9:07 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:25:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.354	11.353	236125	708184	80.278	89.724
	Spiked Amount 100.000 Range 70 - 130 Recovery = 80.28% 89.72%						
	Target Compounds						
1) Z	Pentane	1.560	1.559	651528	15651	93.110	NoCal #
2) Z	2-Methylp...	2.010	2.010	783433	40205	95.718	NoCal #
3) TM	Methyl-t-...	2.178	2.178	422624	448360	NoCal	96.142 #
4) Z	2,2,4-Tri...	3.280	3.280	851248	194009	110.309	NoCal #
5) TM	Benzene	3.509	3.509	1040928	1289813	NoCal	99.123 #
6) TM	Toluene	4.881	4.880	1030645	1188832	NoCal	99.688 #
7) XH	C5-C8 ALI...	3.717	0.000	5492515	0	749.868	N.D. #
9) TM	Ethylbenzene	6.122	6.121	1021610	1059850	NoCal	97.000 #
10) TM	m,p-Xylene	6.188	6.188	2075158	2499569	NoCal	199.231 #
11) TM	o-Xylene	6.558	6.558	1032726	1063749	NoCal	95.095 #
12) Z	n-Decane	7.152	7.152	727779	120428	105.527	NoCal #
13) Z	n-Butylcy...	7.822	7.821	728495	451847	98.962	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	7348011	0	1030.722	N.D. #
15) ZM	1,2,4-Tri...	7.716	7.715	1008794	1108375	NoCal	93.962 #
16) XH	C9-C10 AR...	10.410	8.424	30	1854981	NoCal	157.255 #
17) TM	Naphthalene	10.245	10.244	610425	893452	NoCal	87.659 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

092410

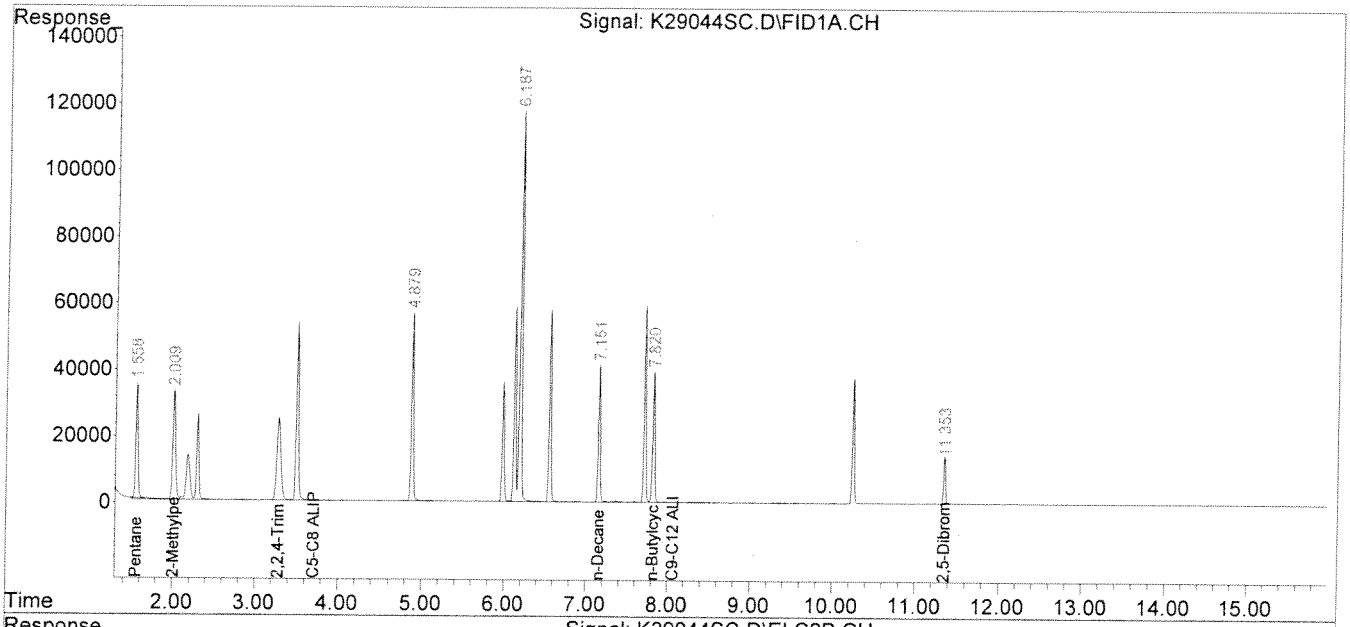
Quantitation Report (Not Reviewed)

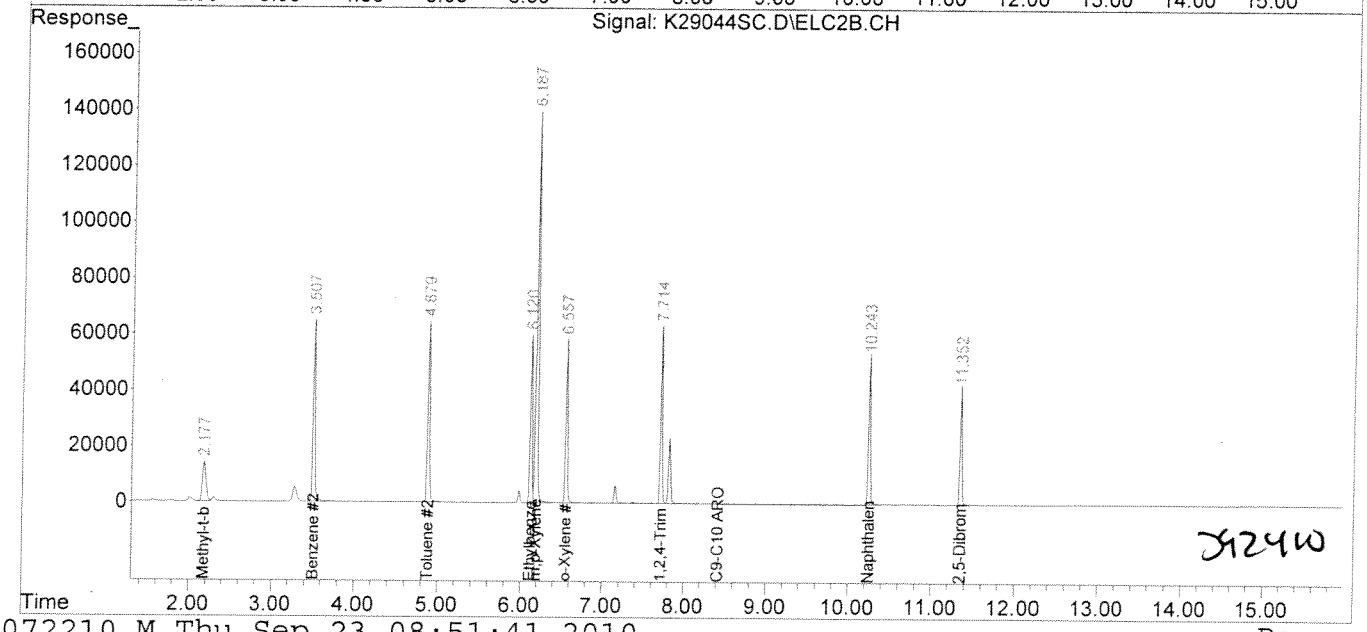
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29044SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 9:07 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:25:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJ 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JR24W

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K29058SC.D

gg 9/23/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	92	8.4	
2-Methylpentane	94	6.0	
2,2,4-Trimethylpentane	95	5.4	
n-Decane	105	4.5	
n-Butylcyclohexane	102	1.8	
2,5-Dibromotoluene	101	1.5	
Methyl-t-butylether #2	93	7.5	
Benzene #2	97	3.1	
Toluene #2	97	2.7	
Ethylbenzene #2	95	4.6	
m,p-Xylene #2	195	2.4	
o-Xylene #2	94	6.4	
1,2,4-Trimethylbenzene #2	93	6.7	
Naphthalene #2	98	2.0	
2,5-Dibromotoluene #2	101	1.5	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: JI2410

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K29058SC.D
Date Acquired 9/22/2010 16:08

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5636	1.5680	0.0044	0.0438	OK	91.61	8.39	OK
2-Methylpentane	2.0117	2.0150	0.0034	0.0447	OK	93.99	6.01	OK
2,2,4-Trimethylpentane	3.2823	3.2850	0.0027	0.0405	OK	94.60	5.40	OK
C5-C8 ALIPHATICS						280.20	6.60	OK
n-Decane	7.1530	7.1540	0.0010	0.0380	OK	104.50	4.50	OK
n-Butylcyclohexane	7.8228	7.8240	0.0012	0.0380	OK	101.76	1.76	OK
C9-C12 ALIPHATICS						206.27	3.13	OK
2,5-Dibromotoluene	11.3551	11.3580	0.0029	0.0380	OK	101.48	1.48	OK
PID								
Methyl-t-butylether #2	2.1793	2.1830	0.0037	0.0447	OK	92.53	7.47	OK
Benzene #2	3.5098	3.5120	0.0023	0.0380	OK	96.94	3.06	OK
Toluene #2	4.8814	4.8830	0.0016	0.0344	OK	97.35	2.65	OK
Ethylbenzene #2	6.1221	6.1240	0.0019	0.0344	OK	95.38	4.62	OK
m,p-Xylene #2	6.1889	6.1900	0.0011	0.0344	OK	195.28	2.36	OK
o-Xylene #2	6.5590	6.5610	0.0020	0.0344	OK	93.55	6.45	OK
1,2,4-Trimethylbenzene #2	7.7164	7.7180	0.0016	0.0344	OK	93.32	6.68	OK
C9-C10 AROMATICS #2						93.32	6.68	OK
Naphthalene #2	10.2455	10.2480	0.0025	0.0344	OK	97.97	2.03	OK
2,5-Dibromotoluene #2	11.3545	11.3570	0.0025	0.0344	OK	101.47	1.47	OK

gs 9/23/10

092410

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29058SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 4:08 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 08:13:43 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	298488	800882	101.480	101.468	
		Spiked Amount	100.000	Range	70 - 130	Recovery	= 101.48%	101.47%	
		Target Compounds							
1)	Z	Pentane	1.564	1.562	641040	9324	91.611	NoCal	#
2)	Z	2-Methylp...	2.012	2.012	769278	34446	93.989	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	419086	431536	NoCal	92.534	#
4)	Z	2,2,4-Tri...	3.282	3.282	729999	167960	94.597	NoCal	#
5)	TM	Benzene	3.510	3.510	1029927	1261472	NoCal	96.945	#
6)	TM	Toluene	4.882	4.881	1026845	1160896	NoCal	97.345	#
7)	XH	C5-C8 ALI...	3.717	0.000	5281376	0	721.042	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1020196	1042160	NoCal	95.381	#
10)	TM	m,p-Xylene	6.189	6.189	2074069	2450034	NoCal	195.282	#
11)	TM	o-Xylene	6.560	6.559	1038712	1046477	NoCal	93.551	#
12)	Z	n-Decane	7.153	7.153	720713	111940	104.502	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	749125	449916	101.765	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7407283	0	1039.036	N.D.	#
15)	ZM	1,2,4-Tri...	7.717	7.716	1029326	1100809	NoCal	93.321	#
16)	XH	C9-C10 AR...	10.410	8.424	152	1877141	NoCal	159.134	#
17)	TM	Naphthalene	10.246	10.246	709303	998563	NoCal	97.971	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

392410

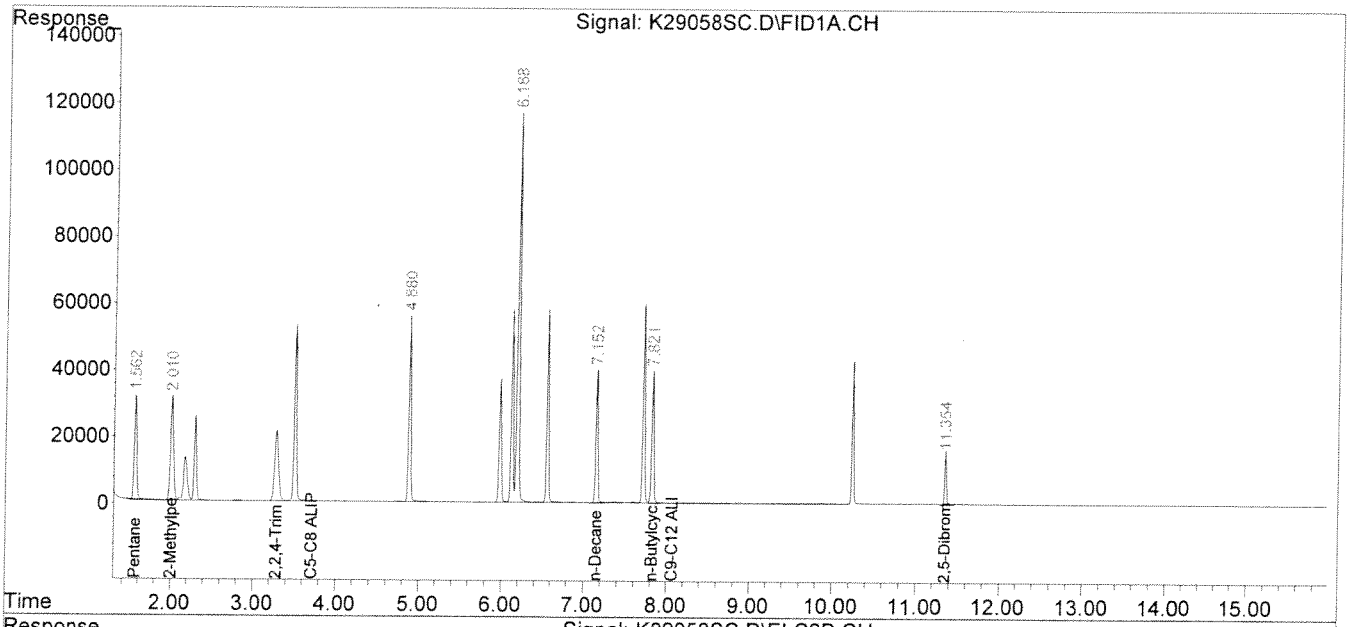
Quantitation Report (Not Reviewed)

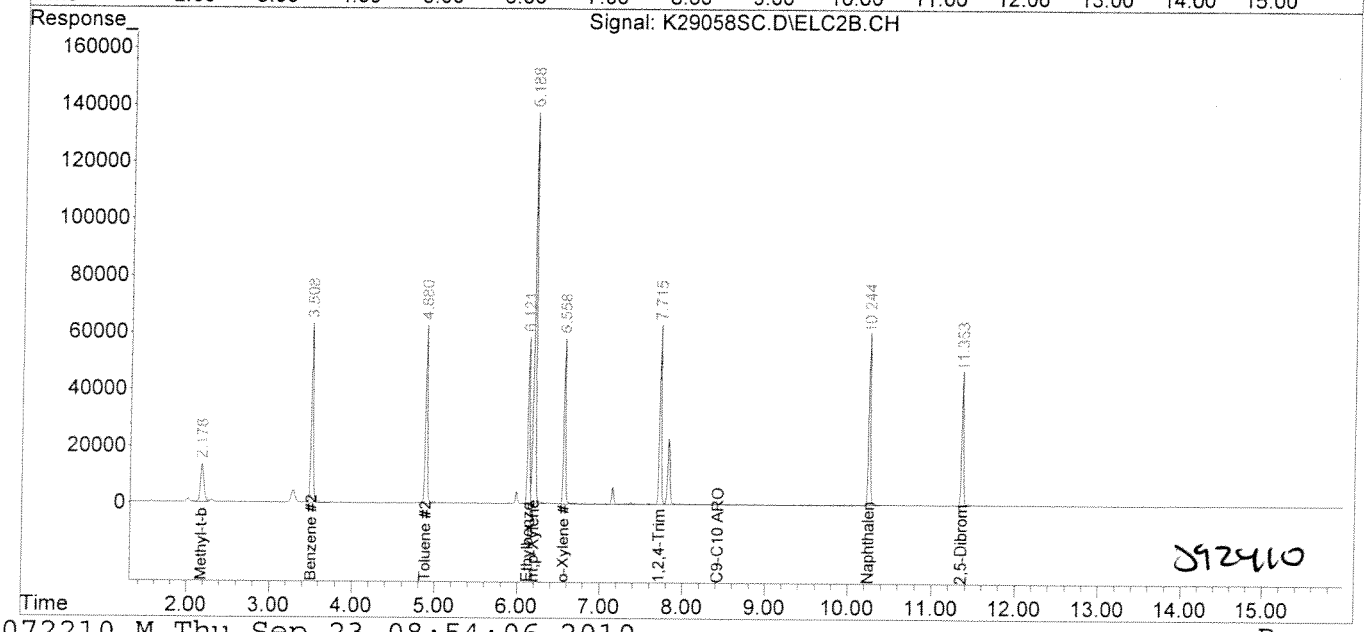
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29058SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 4:08 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 08:13:43 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092410

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K29059SC.D

88 9/23/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	10.1	
2-Methylpentane	92	7.6	
2,2,4-Trimethylpentane	94	5.5	
n-Decane	105	4.8	
n-Butylcyclohexane	100	0.5	
2,5-Dibromotoluene	93	7.4	
Methyl-t-butylether #2	95	5.5	
Benzene #2	98	2.2	
Toluene #2	98	2.2	
Ethylbenzene #2	96	4.2	
m,p-Xylene #2	197	1.6	
o-Xylene #2	94	6.0	
1,2,4-Trimethylbenzene #2	94	6.3	
Naphthalene #2	97	3.3	
2,5-Dibromotoluene #2	101	1.3	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 592410

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K29059SC.D
Date Acquired 9/22/2010 16:33

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5636	1.5680	0.0045	0.0438	OK	89.93	10.07	OK
2-Methylpentane	2.0117	2.0150	0.0033	0.0447	OK	92.37	7.63	OK
2,2,4-Trimethylpentane	3.2821	3.2850	0.0029	0.0405	OK	94.48	5.52	OK
C5-C8 ALIPHATICS						276.77	7.74	OK
n-Decane	7.1528	7.1540	0.0012	0.0380	OK	104.77	4.77	OK
n-Butylcyclohexane	7.8220	7.8240	0.0020	0.0380	OK	100.45	0.45	OK
C9-C12 ALIPHATICS						205.23	2.61	OK
2,5-Dibromotoluene	11.3544	11.3580	0.0036	0.0380	OK	92.63	7.37	OK
PID								
Methyl-t-butylether #2	2.1791	2.1830	0.0039	0.0447	OK	94.53	5.47	OK
Benzene #2	3.5099	3.5120	0.0021	0.0380	OK	97.80	2.20	OK
Toluene #2	4.8815	4.8830	0.0015	0.0344	OK	97.82	2.18	OK
Ethylbenzene #2	6.1222	6.1240	0.0018	0.0344	OK	95.82	4.18	OK
m,p-Xylene #2	6.1889	6.1900	0.0011	0.0344	OK	196.76	1.62	OK
o-Xylene #2	6.5587	6.5610	0.0023	0.0344	OK	93.98	6.02	OK
1,2,4-Trimethylbenzene #2	7.7157	7.7180	0.0023	0.0344	OK	93.73	6.27	OK
C9-C10 AROMATICS #2						93.73	6.27	OK
Naphthalene #2	10.2445	10.2480	0.0035	0.0344	OK	96.68	3.32	OK
2,5-Dibromotoluene #2	11.3538	11.3570	0.0032	0.0344	OK	101.34	1.34	OK

88 9/23/10

242410

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29059SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 4:33 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 08:14:01 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.354	272448	799859	92.627	101.339	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 92.63% 101.34%							
		Target Compounds							
1)	Z	Pentane	1.564	1.564	629253	13151	89.927	NoCal	#
2)	Z	2-Methylp...	2.012	2.012	756015	36049	92.368	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	422417	440863	NoCal	94.534	#
4)	Z	2,2,4-Tri...	3.282	3.282	729082	164752	94.479	NoCal	#
5)	TM	Benzene	3.510	3.510	1037435	1272618	NoCal	97.802	#
6)	TM	Toluene	4.882	4.882	1034494	1166519	NoCal	97.817	#
7)	XH	C5-C8 ALI...	3.717	0.000	5263760	0	718.637	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1025144	1046925	NoCal	95.817	#
10)	TM	m,p-Xylene	6.189	6.189	2086239	2468544	NoCal	196.758	#
11)	TM	o-Xylene	6.559	6.559	1041785	1051297	NoCal	93.982	#
12)	Z	n-Decane	7.153	7.152	722595	110271	104.775	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	739475	447860	100.454	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7418378	0	1040.593	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	1029204	1105612	NoCal	93.728	#
16)	XH	C9-C10 AR...	10.410	8.424	16	1843720	NoCal	156.301	#
17)	TM	Naphthalene	10.245	10.244	686452	985375	NoCal	96.678	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

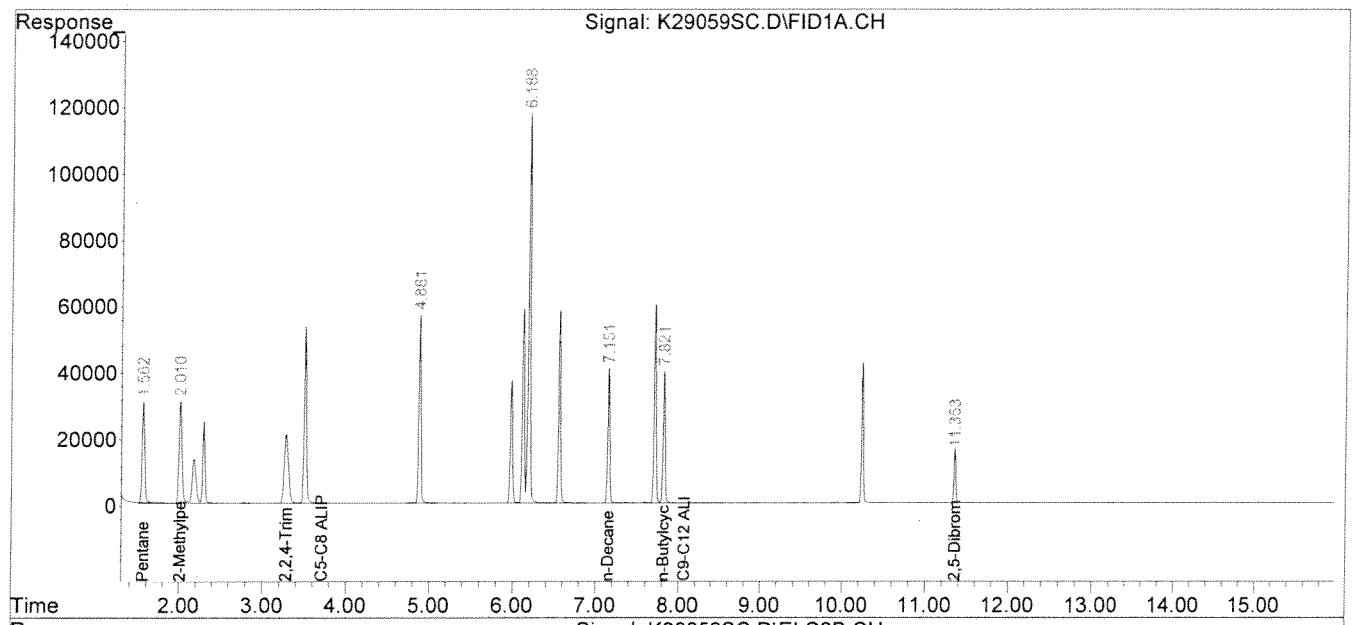
J92410

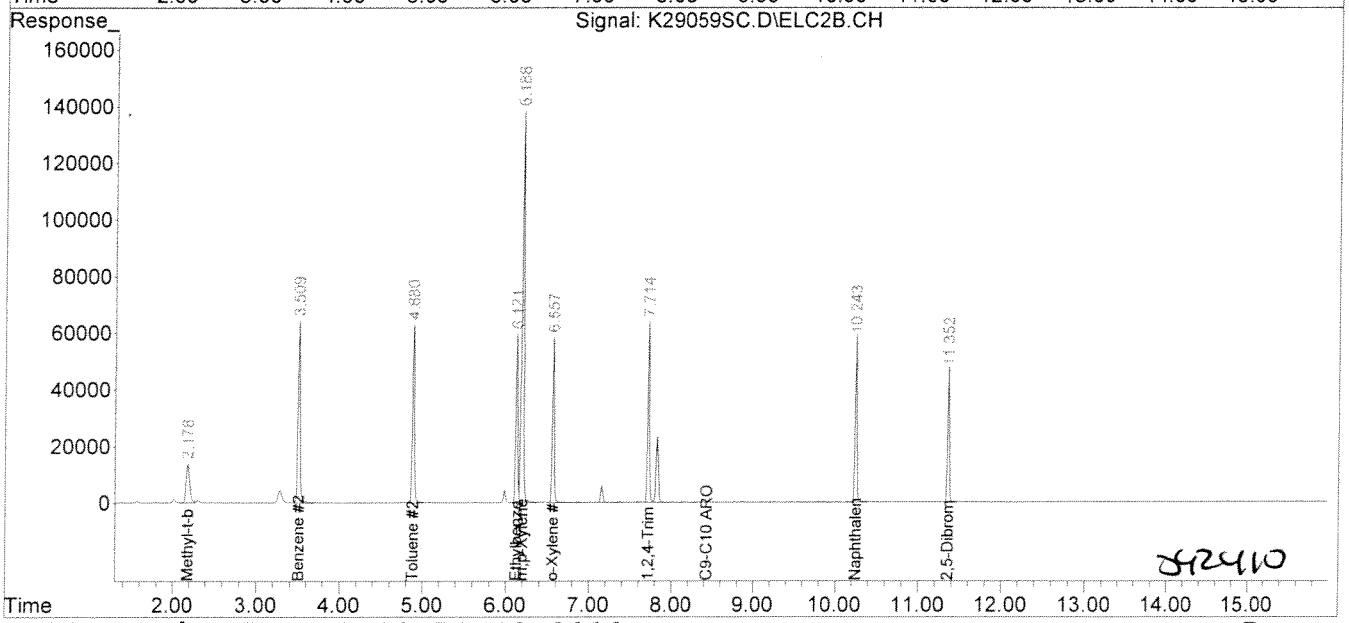
Data Path : C:\msdchem\1\DATA\092210-K\
Data File : K29059SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Sep 2010 4:33 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 08:14:01 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





S12410

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67834

STANDARD	FILE NAME	ANALYSIS DATE & TIME		FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K29019SC.D	9/21/2010	17:47	11.354		11.353	
Upper Limit				11.384		11.383	
Lower limit				11.324		11.323	
SAMPLE ID							
LSV092110K3	K29020Q.D	9/21/2010	18:36	11.355		11.354	
LSV092110K4	K29021Q.D	9/21/2010	19:00	11.354		11.354	
MBV092110K3	K29023B.D	9/21/2010	19:50	11.354		11.353	
67834-1	K29024.D	9/21/2010	20:15	11.354		11.353	
67834-2	K29025.D	9/21/2010	20:39	11.354		11.353	
67834-3	K29026.D	9/21/2010	21:04	11.354		11.353	
67834-4	K29027.D	9/21/2010	21:29	11.354		11.353	
67834-8	K29030.D	9/21/2010	22:43	11.354		11.353	
67834-11	K29031.D	9/21/2010	23:08	11.354		11.354	
67834-12	K29032.D	9/21/2010	23:32	11.354		11.354	
67834-14	K29033.D	9/21/2010	23:57	11.354		11.354	
67834-15	K29034.D	9/22/2010	0:22	11.354		11.353	
67834-16	K29035.D	9/22/2010	0:46	11.354		11.353	
67834-17	K29036.D	9/22/2010	1:11	11.353		11.352	
67834-18	K29037.D	9/22/2010	1:36	11.354		11.353	
67834-19	K29038.D	9/22/2010	2:00	11.354		11.353	
VPH 100 UG/L	K29041SC.D	9/22/2010	3:14	11.354		11.354	
VPH 100 UG/L	K29042SC.D	9/22/2010	3:39	11.354		11.354	

SMC = 2,5-Dibromotoluene

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67834

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K29044SC.D	9/22/2010 9:07	11.354		11.353	
Upper Limit			11.384		11.383	
Lower limit			11.324		11.323	
SAMPLE ID						
LSV092210K	K29045Q.D	9/22/2010 10:09	11.353		11.352	
LSV092210K2	K29046Q.D	9/22/2010 10:34	11.353		11.352	
MBV092210K	K29048B.D	9/22/2010 11:32	11.352		11.352	
67834-7	K29052.D	9/22/2010 13:28	11.353		11.352	
67834-18,MS	K29053SP.D	9/22/2010 13:54	11.353		11.353	
67834-18,MSD	K29054SP.D	9/22/2010 14:20	11.354		11.354	
67834-5,5X	K29056.D	9/22/2010 15:11	11.353		11.353	
VPH 100 UG/L	K29058SC.D	9/22/2010 16:08	11.355		11.355	
VPH 100 UG/L	K29059SC.D	9/22/2010 16:33	11.354		11.354	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

EPH
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B092010EASE2
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				63
Aromatic Surrogate % Recovery (O-Terphenyl)				76
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				83
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				74
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

59-2310

Sample Name: B092010EASE2

Dilution Factors	ARO	1.000000		ALI 1.0000000
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics		U		26667
Naphthalene		U		267
2-Methylnaphthalene		U		267
Phenanthrene		U		267
Acenaphthene		U		267
Acenaphthylene		U		267
Fluorene		U		267
Anthracene		U		267
Fluoranthene		U		267
Pyrene		U		267
Benzo[a]anthracene		U		267
Chrysene		U		267
Benzo[b] fluoranthene		U		267
Benzo[k] fluoranthene		U		267
Benzo[a] pyrene		U		267
Indeno [1,2,3-cd] pyrene		U		267
Dibenz [a,h] anthracene		U		267
Benzo(g,h,i) perylene		U		267
C9-C18 Aliphatics		U		26667
C19-C36 Aliphatics		U		26667
C11-C22 Aromatics		U		26667
1-Chlorooctadecane (Ali)		63%	40-140%	PASS
o-terphenyl (Aro)		76%	40-140%	PASS
2-Fluorobiphenyl (Fraction)		83%	40-140%	PASS
2-Bromonaphthalene (Fraction)		74%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35964B.D	---------
Date Acquired	9/22/2010 17:29	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	15.00	15.00
% Solid (divided by 100)	1.0000	1.0000
Final Volume (mL)	2.0	2.0
Dilution (1:X)	1	1
Calculation Factor	133.3333	133.3333

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-133	Quadratic
2-Methylnaphthalene	-1.00	-133	Quadratic
Acenaphthylene	-1.00	-133	Quadratic
Acenaphthene	-1.00	-133	Quadratic
Fluorene	-1.00	-133	Quadratic
Phenanthrene	-1.00	-133	Quadratic
Anthracene	-1.00	-133	Quadratic
Fluoranthene	-1.00	-133	Quadratic
Pyrene	-1.00	-133	Quadratic
Benzo[a]anthracene	0.00	0	Avg RF
Chrysene	0.00	1	Avg RF
Benzo[b] fluoranthene	0.00	0	Avg RF
Benzo[k] fluoranthene	0.00	1	Avg RF
Benzo[a] pyrene	0.00	0	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	1	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.01	1	Avg RF
C11-C22	27.094	1499	
ARO Hexane Blank	15.855		
Adjusted C11-C22		2694	
ALIPHATICS			
C9-C18	23.551	402	
C9-C18 Hexane Blank	20.535		
C19-C36	36.709	469	
C19-C36 Hexane Blank	33.191		

Surrogates		
1-Chlorooctadecane (Ali)	12.644	63%
2-Fluorobiphenyl (Fraction)	16.56	83%
2-Bromonaphthalene (Fraction)	14.75	74%
o-terphenyl (Aro)	15.14	76%

9/24/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35964B.D
Acq On : 22 Sep 2010 5:29 pm
Operator : AR/MG
Sample : B092010EASE2
Misc : SOIL,ARO
ALS Vial : 40 Sample Multiplier: 1

Q

S9220

Quant Time: Sep 22 18:55:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	87057 ✓	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	545311	16.56 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 82.80%		83
10) 2-Bromonaphthalene	5.962	206	222125	14.75 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 73.75%		74
11) o-terphenyl	7.480	230	399338	15.14 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 75.70%		76

Target Compounds					Qvalue
2) Naphthalene	4.561	128	1751	~~Below Cal~~ #	~~82~~
3) 2-Methylnaphthalene	5.137	141	299	Below Cal #	85
4) Acenaphthylene	5.849	152	203	Below Cal #	87
5) Acenaphthene	6.009	154	99	Below Cal #	77
6) Fluorene	6.413	166	178	Below Cal #	59
7) Phenanthrene	7.175	178	474	Below Cal #	84
8) Anthracene	7.241	178	78	Below Cal #	22
12) Fluoranthene	8.140	202	489	Below Cal #	53
13) Pyrene	8.342	202	562	Below Cal	97

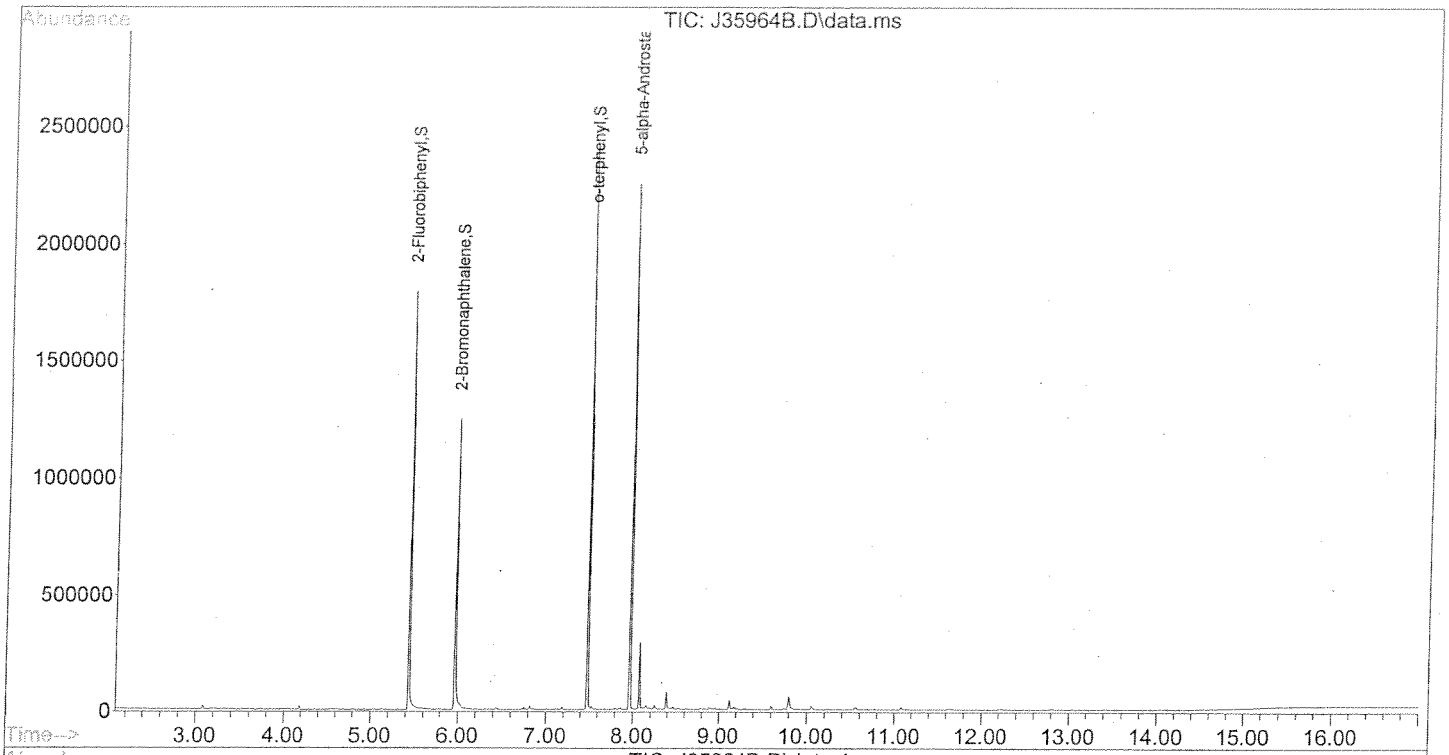
(#) = qualifier out of range (m) = manual integration (+) = signals summed

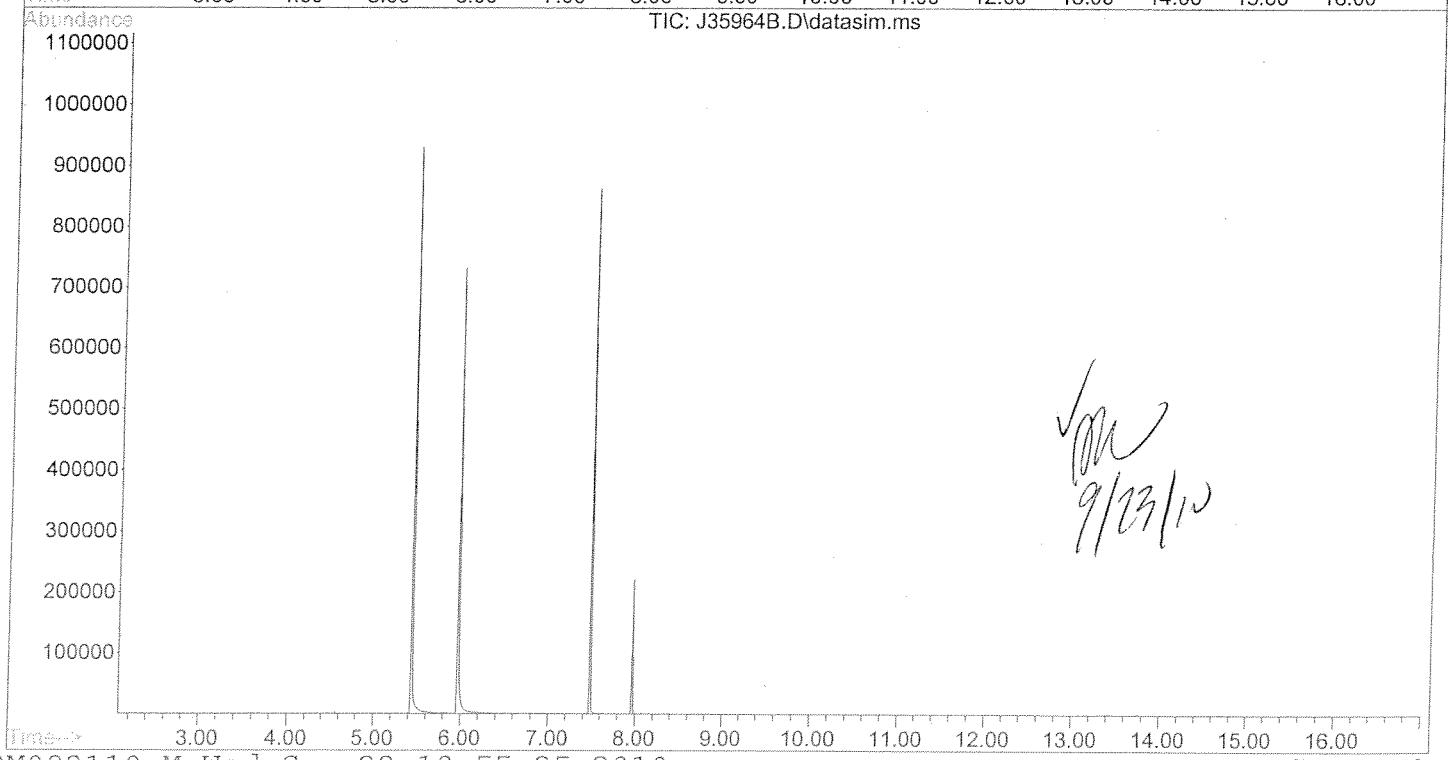
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35964B.D
Acq On : 22 Sep 2010 5:29 pm
Operator : AR/MG
Sample : B092010EASE2
Misc : SOIL,ARO
ALS Vial : 40 Sample Multiplier: 1

592210

Quant Time: Sep 22 18:55:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35964B.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 5:29 pm
Operator : AR/MG
Sample : B092010EASE2
Misc : SOIL,ARO
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:18 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

MV 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	19526362	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	15964168	16.894 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	84.47%
10) S 2-Bromonaphthalene	5.965	11909740	16.115 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	80.58%
11) S o-terphenyl	7.482	18575864	15.738 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	78.69%
Target Compounds			
5) TZ Acenaphthene	5.965f	11909740	11.182 ug/ml
14) TZ Benzo[a]anthracene	9.603	228589	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.089	227860	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.578	13897	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.366	8891	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.420	99280	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.730	36699	<MDL ug/ml
22) XH c11-c22	12.565	26082538	27.094 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

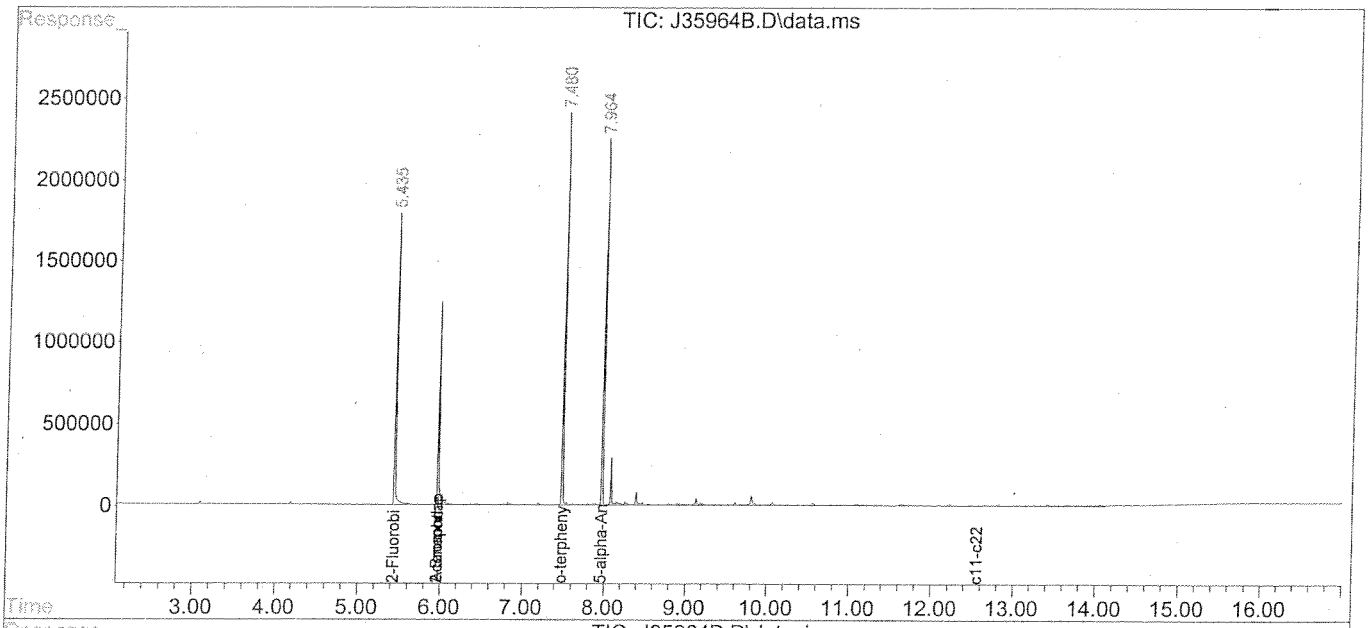
15.855

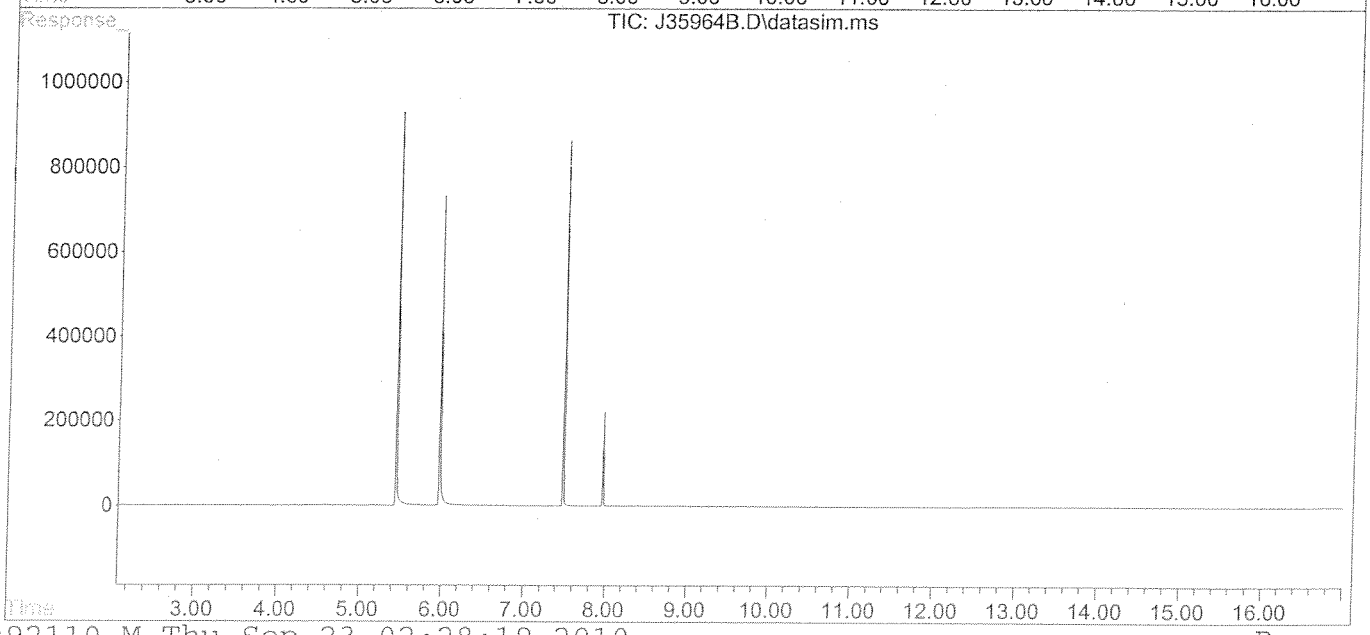
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35964B.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 5:29 pm
Operator : AR/MG
Sample : B092010EASE2
Misc : SOIL,ARO
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:18 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Data File : D:\HPCHEM\1\DATA\092110-D\D71769B.D Vial: 30
Acq On : 22 Sep 2010 4:10 am Operator: AR
Sample : B092010EASE2 Inst : GC/MS In.
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 8:53 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9-22-10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5270072	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4089172	12.644 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.22%
Target Compounds			
2) TZM C-9	4.02	27611	<MDL ug/ml
3) TZM C-10	5.00	15792	<MDL ug/ml
4) TZM C-12	6.49	11076	<MDL ug/ml
5) TZM C-14	7.68	35856	<MDL ug/ml
6) TZM C-16	8.70	33925	<MDL ug/ml
7) TZM C-18	9.60	42121	<MDL ug/ml
8) XH C9-C18	7.38	8241292	23.551 ug/ml
9) TZM C-19	10.04	40424	<MDL ug/ml
10) TZM C-20	10.45	56044	<MDL ug/ml
12) TZM C-22	11.42	74367	<MDL ug/ml
13) TZM C-24	12.73	12871	<MDL ug/ml
14) TZM C-26	14.20	14653	<MDL ug/ml
15) TZM C-28	15.69	60742	<MDL ug/ml
16) TZM C-30	17.28f	11128	<MDL ug/ml
17) TZM C-36	21.21	80014	4.458 ug/ml
18) XH C19-C36	11.90	10658280	36.709 ug/ml

20.535 / 33.191

PM 9/22/10

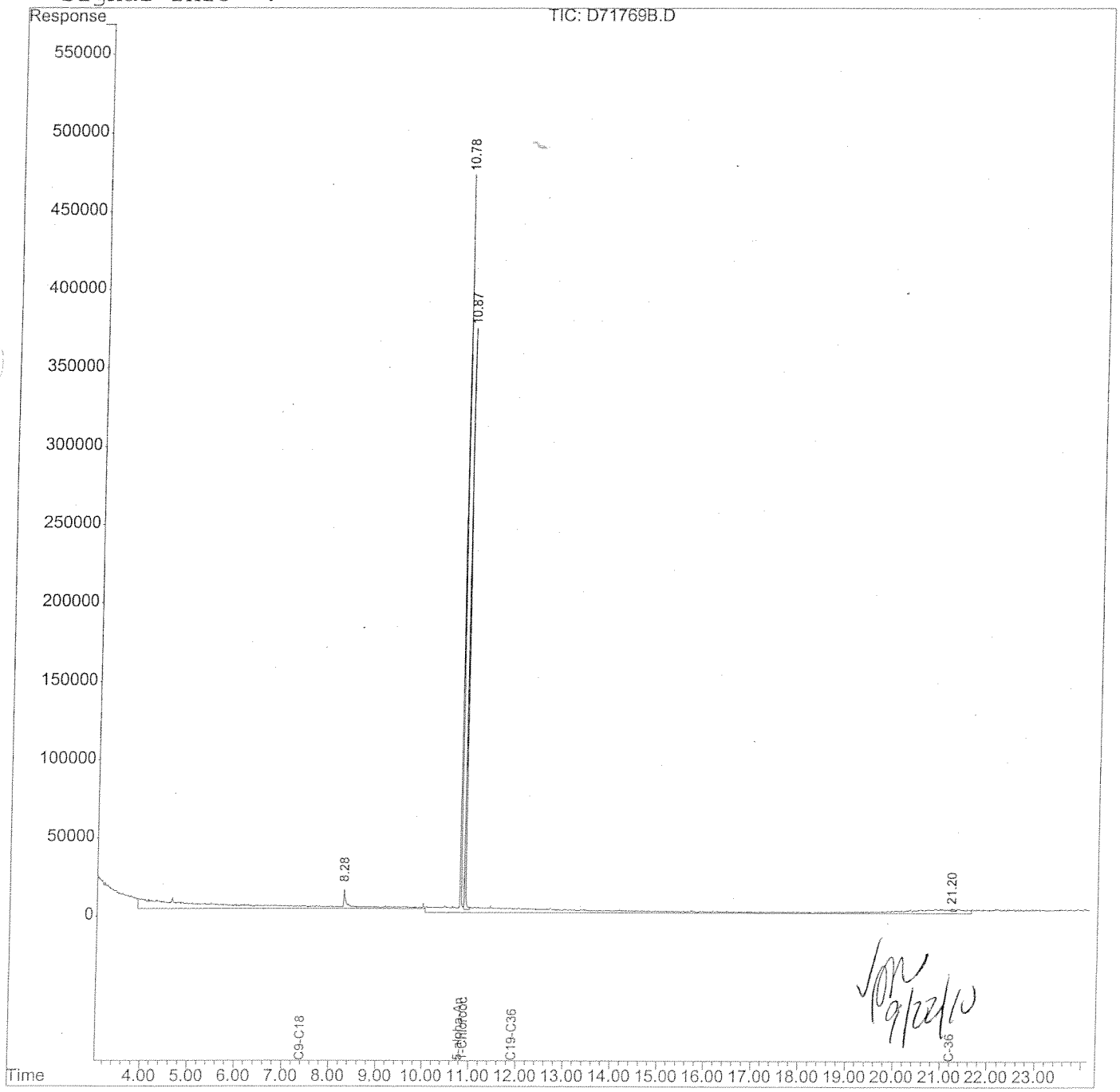
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\092110-D\D71769B.D Vial: 30
Acq On : 22 Sep 2010 4:10 am Operator: AR
Sample : B092010EASE2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 8:53 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

59-2210

Volume Inj. :
Signal Phase :
Signal Info :



9/22/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B092010EASE2 RR2
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	RL	Units	Result
Unadjusted C11-C22 Aromatics[1]	26700	µg/kg	NR
C9-C18 Aliphatic Hydrocarbons[1]	26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]	26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]	26700	µg/kg	NR
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)			63
Aromatic Surrogate % Recovery (O-Terphenyl)			NR
Sample Surrogate Acceptance Range	--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)			NR
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)			NR
Fractionation Surrogate Acceptance Range	--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank NA=Not analyzed

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mulhall

EPH SOIL ANALYTICAL RESULTS

Sample Name: B092010EASE2

RR2

342310

Report ALIphatic Ranges only

Dilution Factors	ARO	1.000000	ALI 1.0000000

	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U NA		26667
Naphthalene	U		267
2-Methylnaphthalene	U		267
Phenanthrene	U		267
Acenaphthene	U		267
Acenaphthylene	U		267
Fluorene	U		267
Anthracene	U		267
Fluoranthene	U		267
Pyrene	U		267
Benzo[a]anthracene	U		267
Chrysene	U		267
Benzo[b] fluoranthene	U		267
Benzo[k] fluoranthene	U		267
Benzo[a] pyrene	U		267
Indeno [1,2,3-cd] pyrene	U		267
Dibenz [a,h] anthracene	U		267
Benzo(g,h,i) perylene	U		267
C9-C18 Aliphatics	U		26667
C19-C36 Aliphatics	U		26667
C11-C22 Aromatics	U NA		26667
1-Chlorooctadecane (Ali)	63%	40-140%	PASS
o-terphenyl (Aro)	76%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	83%	40-140%	PASS
2-Bromonaphthalene (Fraction)	74%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35964B.D	---------
Date Acquired	9/22/2010 17:29	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	15.00	15.00
% Solid (divided by 100)	1.0000	1.0000
Final Volume (mL)	2.0	2.0
Dilution (1:X)	1	1
Calculation Factor	133.3333	133.3333

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-133	Quadratic
2-Methylnaphthalene	-1.00	-133	Quadratic
Acenaphthylene	-1.00	-133	Quadratic
Acenaphthene	-1.00	-133	Quadratic
Fluorene	-1.00	-133	Quadratic
Phenanthrene	-1.00	-133	Quadratic
Anthracene	-1.00	-133	Quadratic
Fluoranthene	-1.00	-133	Quadratic
Pyrene	-1.00	-133	Quadratic
Benzo[a]anthracene	0.00	0	Avg RF
Chrysene	0.00	1	Avg RF
Benzo[b] fluoranthene	0.00	0	Avg RF
Benzo[k] fluoranthene	0.00	1	Avg RF
Benzo[a] pyrene	0.00	0	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	1	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.01	1	Avg RF
C11-C22	27.094	1499	
ARO Hexane Blank	15.855		
Adjusted C11-C22		2694	
ALIPHATICS			
C9-C18	20.459	464	
C9-C18 Hexane Blank	16.982		
C19-C36	38.560	393	
C19-C36 Hexane Blank	35.613		
Surrogates			
1-Chlorooctadecane (Ali)	12.613	63%	
2-Fluorobiphenyl (Fraction)	16.56	83%	
2-Bromonaphthalene (Fraction)	14.75	74%	
o-terphenyl (Aro)	15.14	76%	

9/24/10

Data File : D:\HPCHEM\1\DATA\092110-D\D71804B.D Vial: 30
Acq On : 23 Sep 2010 1:30 am Operator: AR
Sample : B092010EASE2,RR2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:34 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/23/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5615892	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4346683	12.613 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.06%
Target Compounds			
2) TZM C-9	4.05	11628	<MDL ug/ml
3) TZM C-10	5.03	15926	<MDL ug/ml
4) TZM C-12	6.49	6313	<MDL ug/ml
5) TZM C-14	7.67	24020	<MDL ug/ml
6) TZM C-16	8.68	36634	<MDL ug/ml
7) TZM C-18	9.62	64914	<MDL ug/ml
8) XH C9-C18	7.38	7629004	20.459 ug/ml
9) TZM C-19	10.02	25030	<MDL ug/ml
10) TZM C-20	10.44	59546	<MDL ug/ml
12) TZM C-22	11.41	118593	<MDL ug/ml
13) TZM C-24	12.68	196291	<MDL ug/ml
14) TZM C-26	14.15	313670	<MDL ug/ml
15) TZM C-28	15.68	245531	<MDL ug/ml
16) TZM C-30	17.19	114288	<MDL ug/ml
17) TZM C-36	21.25	71069	4.389 ug/ml
18) XH C19-C36	11.90	11930336	38.560 ug/ml

16.982/35.613

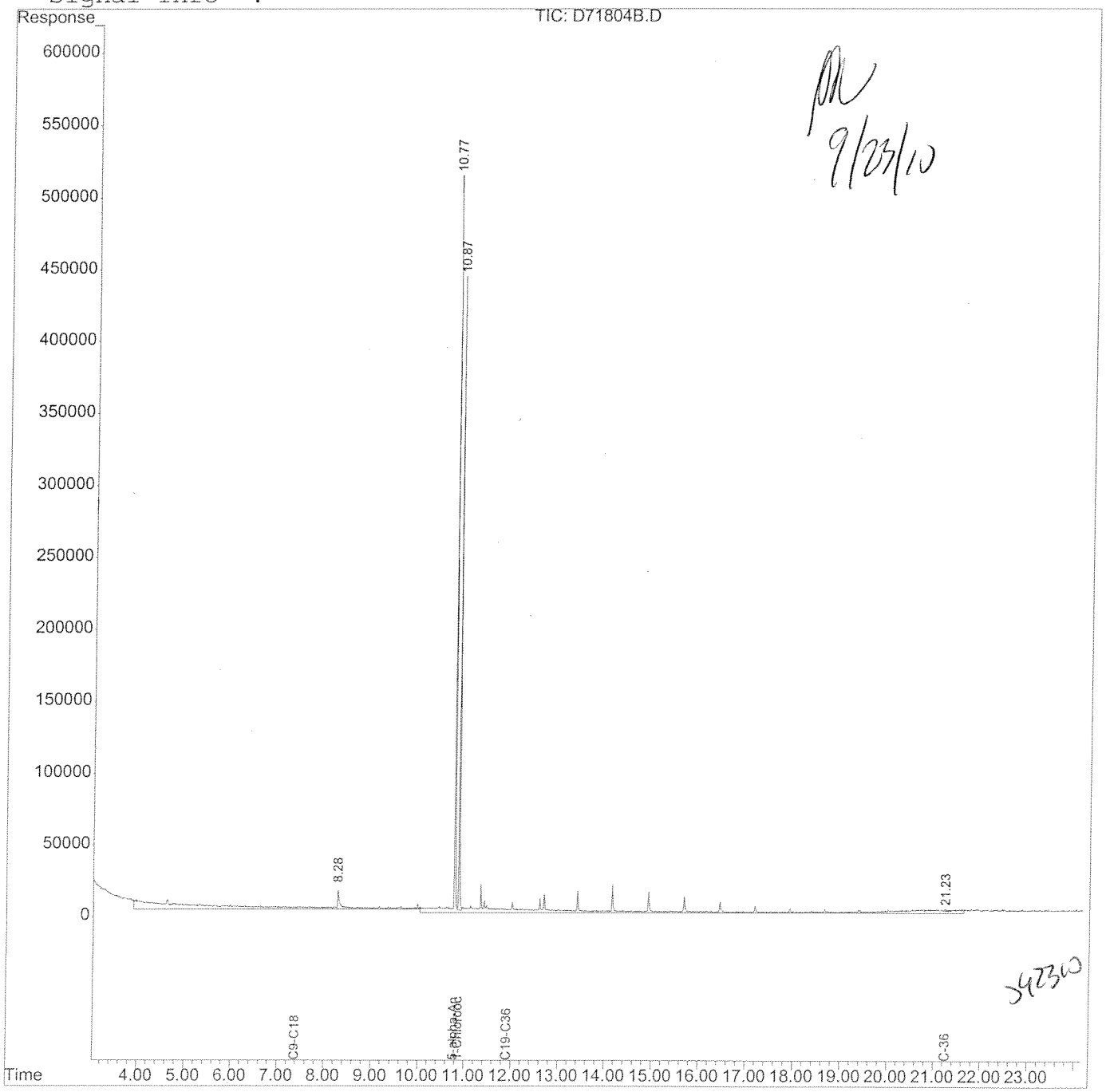
592310

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\092110-D\D71804B.D Vial: 30
Acq On : 23 Sep 2010 1:30 am Operator: AR
Sample : B092010EASE2,RR2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:34 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



9/23/10

9/23/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-01

SAMPLE DATA

Lab Sample ID: 67834-1
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26400	µg/kg	U
Diesel PAH Analytes	Naphthalene	264	µg/kg	U
	2-Methylnaphthalene	264	µg/kg	U
	Phenanthrene	264	µg/kg	U
	Acenaphthene	264	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	264	µg/kg	U
	Fluorene	264	µg/kg	U
	Anthracene	264	µg/kg	U
	Fluoranthene	264	µg/kg	U
	Pyrene	264	µg/kg	U
	Benzo[a]anthracene	264	µg/kg	U
	Chrysene	264	µg/kg	U
	Benzo[b]fluoranthene	264	µg/kg	U
	Benzo[k]fluoranthene	264	µg/kg	U
	Benzo[a]pyrene	264	µg/kg	U
	Indeno[1,2,3-cd]pyrene	264	µg/kg	U
	Dibenzo[a,h]anthracene	264	µg/kg	U
	Benzo[g,h,i]perylene	264	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				63
Aromatic Surrogate % Recovery (O-Terphenyl)				80
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				88
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				74
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mahlell

EPH SOIL ANALYTICAL RESULTS

J9-2310

Sample Name: 67834-1

Dilution Factors	ARO	0.988690		ALI 0.9886904
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics		U		26365
Naphthalene		U		264
2-Methylnaphthalene		U		264
Phenanthrene		U		264
Acenaphthene		U		264
Acenaphthylene		U		264
Fluorene		U		264
Anthracene		U		264
Fluoranthene		U		264
Pyrene		U		264
Benzo[a]anthracene		U		264
Chrysene		U		264
Benzo[b] fluoranthene		U		264
Benzo[k] fluoranthene		U		264
Benzo[a] pyrene		U		264
Indeno [1,2,3-cd] pyrene		U		264
Dibenz [a,h] anthracene		U		264
Benzo(g,h,i) perylene		U		264
C9-C18 Aliphatics		U		26365
C19-C36 Aliphatics		U		26365
C11-C22 Aromatics		U		26365
1-Chlorooctadecane (Ali)		63%	40-140%	PASS
o-terphenyl (Aro)		80%	40-140%	PASS
2-Fluorobiphenyl (Fraction)		88%	40-140%	PASS
2-Bromonaphthalene (Fraction)		74%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35969.D	---------
Date Acquired	9/22/2010 19:24	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.73**	15.73
% Solid (divided by 100)	**0.9645**	0.9645
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	1
Calculation Factor	131.8254	131.8254

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-132	Quadratic
2-Methylnaphthalene	-1.00	-132	Quadratic
Acenaphthylene	-1.00	-132	Quadratic
Acenaphthene	-1.00	-132	Quadratic
Fluorene	-1.00	-132	Quadratic
Phenanthrene	-1.00	-132	Quadratic
Anthracene	-1.00	-132	Quadratic
Fluoranthene	-1.00	-132	Quadratic
Pyrene	-1.00	-132	Quadratic
Benzo[a]anthracene	0.00	0	Avg RF
Chrysene	0.01	1	Avg RF
Benzo[b] fluoranthene	0.00	0	Avg RF
Benzo[k] fluoranthene	0.00	0	Avg RF
Benzo[a] pyrene	0.01	1	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.00	0	Avg RF
C11-C22	**35.840**	2635	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		3817	
ALIPHATICS			
C9-C18	**21.371**	395	
C9-C18 Hexane Blank	**18.372**		
C19-C36	**36.824**	430	
C19-C36 Hexane Blank	**33.560**		
Surrogates			
1-Chlorooctadecane (Ali)	**12.659**	63%	
2-Fluorobiphenyl (Fraction)	17.54	88%	
2-Bromonaphthalene (Fraction)	14.77	74%	
o-terphenyl (Aro)	15.99	80%	

9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35969.D
Acq On : 22 Sep 2010 7:24 pm
Operator : AR/MG
Sample : 67834-1
Misc : SOIL,ARO
ALS Vial : 45 Sample Multiplier: 1

bg-2310

Quant Time: Sep 23 02:20:02 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.966	95	85785	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	569044	17.54 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	87.70%	88
10) 2-Bromonaphthalene	5.962	206	219224	14.77 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	73.85%	74
11) o-terphenyl	7.479	230	415576	15.99 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	79.95%	80
Target Compounds					Qvalue
2) Naphthalene	4.562	128	1747	Below Cal #	87
3) 2-Methylnaphthalene	5.131	141	235	Below Cal #	60
4) Acenaphthylene	5.855	152	168	Below Cal #	1
5) Acenaphthene	6.063	154	35	Below Cal	89
6) Fluorene	6.413	166	201	Below Cal #	56
7) Phenanthrene	7.184	178	365	Below Cal #	90
8) Anthracene	7.221	178	166	Below Cal #	1
12) Fluoranthene	8.135	202	260	Below Cal #	50
13) Pyrene	8.331	202	662	Below Cal #	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

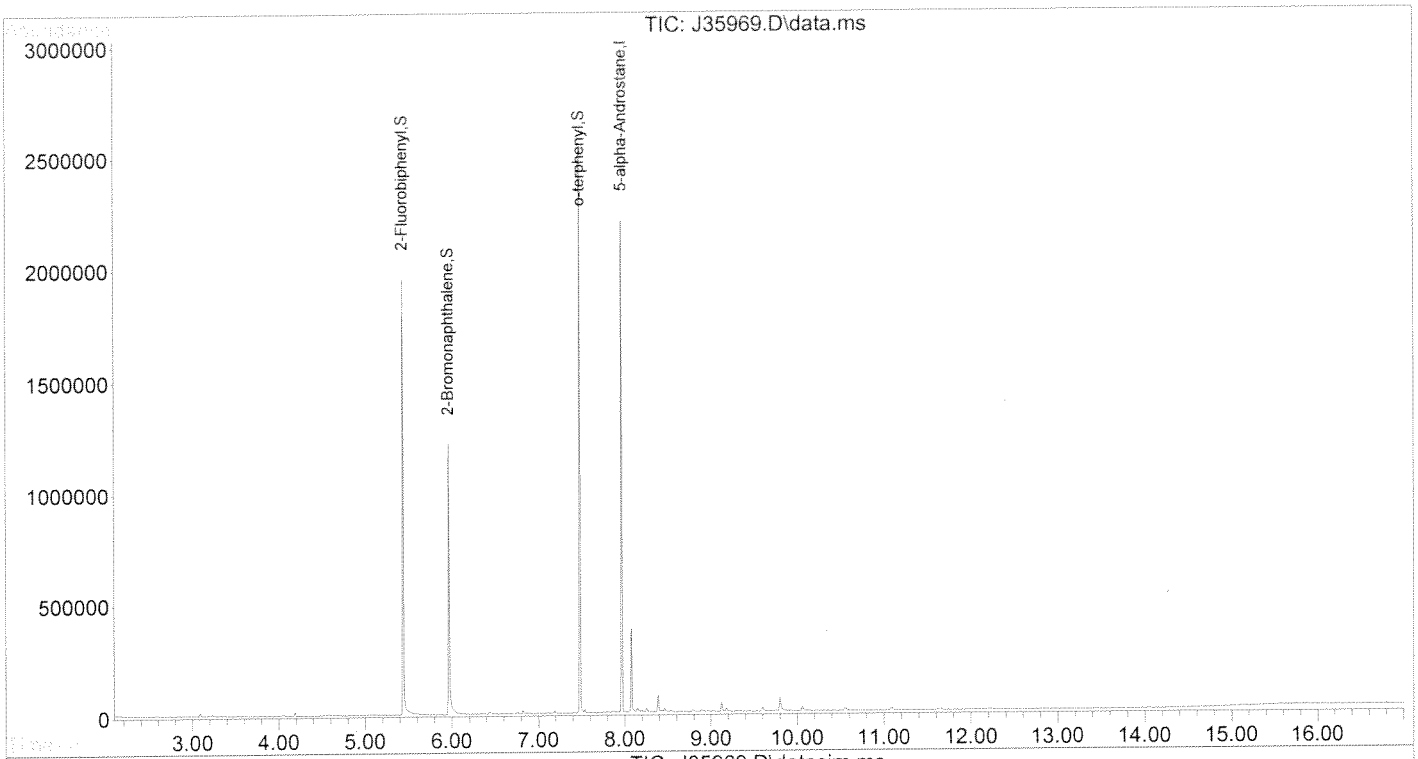
9/24/10

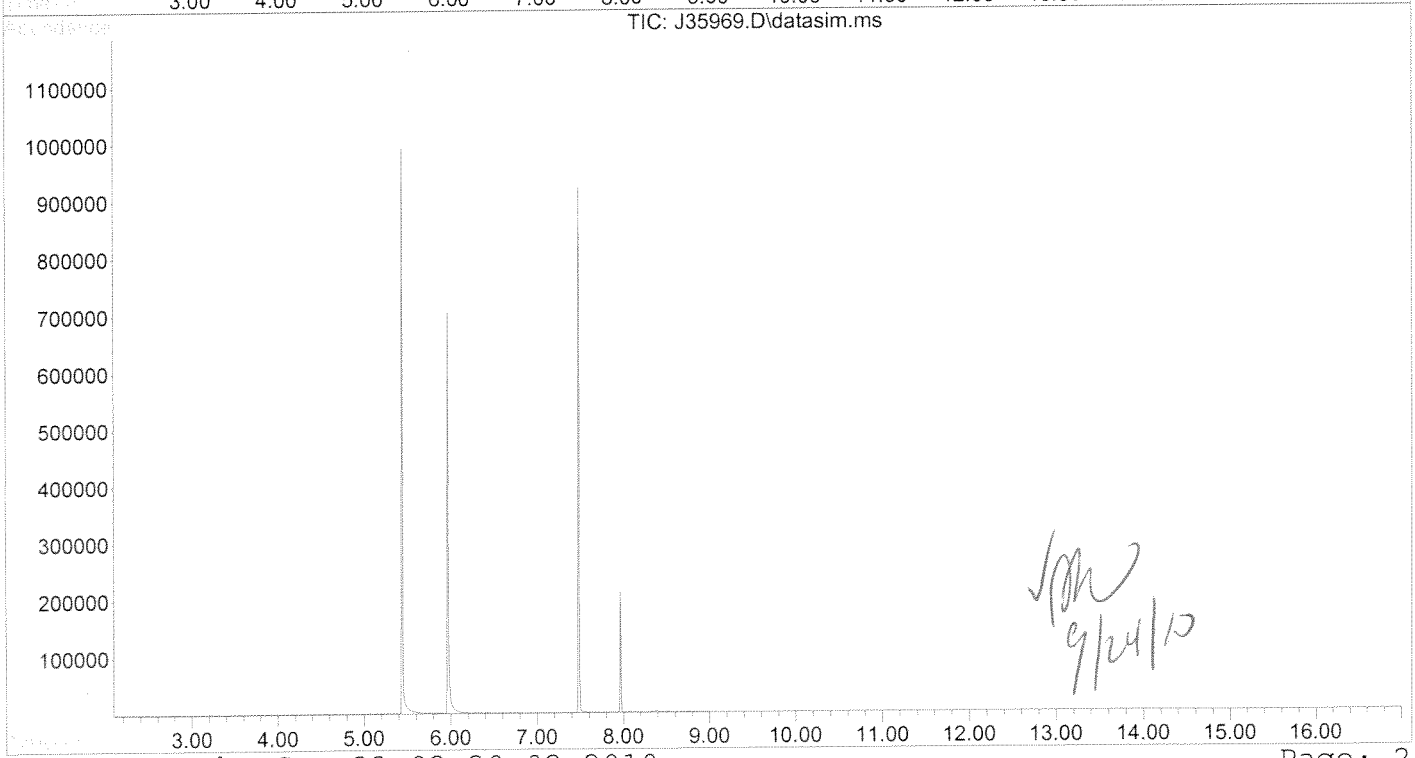
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35969.D
Acq On : 22 Sep 2010 7:24 pm
Operator : AR/MG
Sample : 67834-1
Misc : SOIL,ARO
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Sep 23 02:20:02 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J9-23W





9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35969.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 7:24 pm
Operator : AR/MG
Sample : 67834-1
Misc : SOIL,ARO
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:20 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

09-2310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	19098852 ✓	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	16724535	18.252 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	91.26% 91
10) S 2-Bromonaphthalene	5.965	11832319	16.369 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	81.84% 82
11) S o-terphenyl	7.481	19508967	17.125 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.63% 86
Target Compounds			
5) TZ Acenaphthene	5.965f	11832319	11.383 ug/ml
14) TZ Benzo[a]anthracene	9.601	359725	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.085	323006	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.573	39570	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.353	22652	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.426	162324	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.779	29898	<MDL ug/ml
22) XH c11-c22	12.565	33746886	35.840 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

15.855

9/24/10

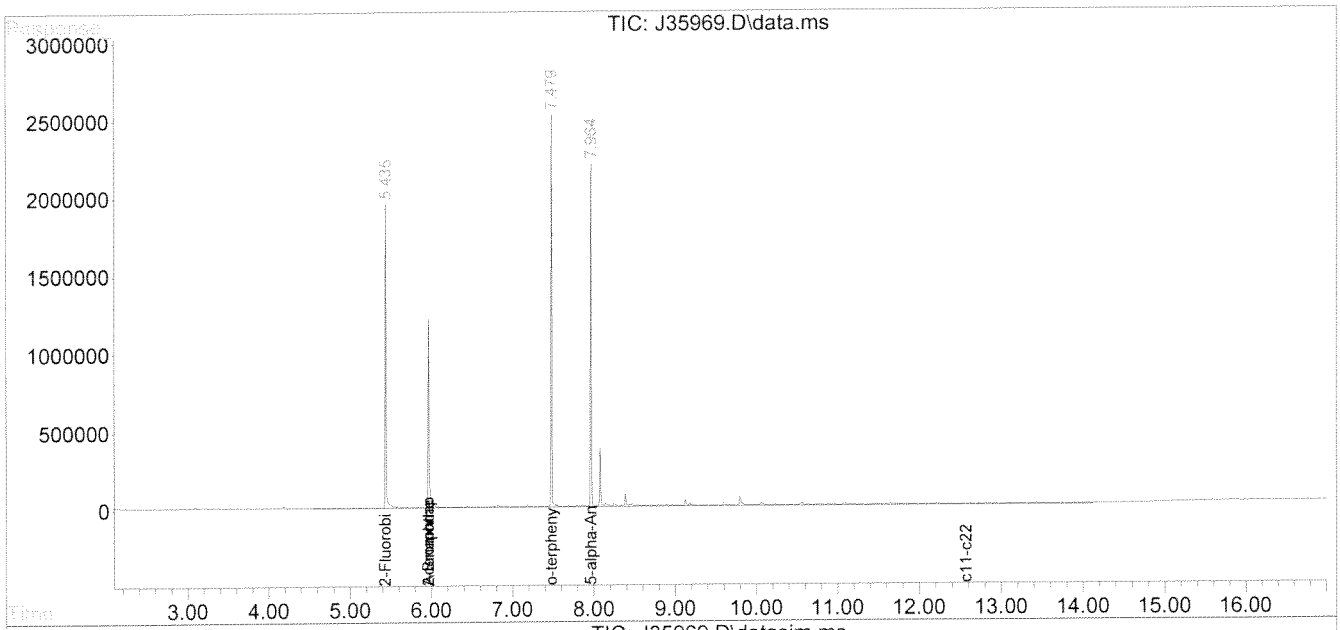
Quantitation Report (Not Reviewed)

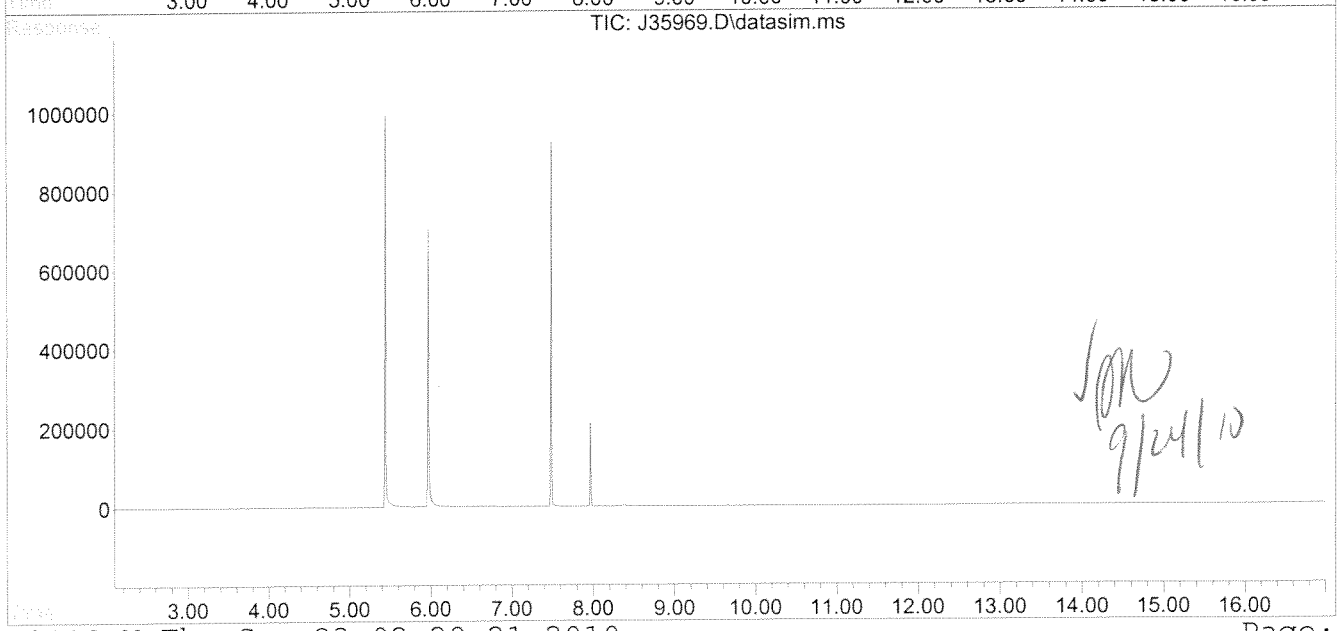
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35969.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 7:24 pm
Operator : AR/MG
Sample : 67834-1
Misc : SOIL,ARO
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:20 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J9231N

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JON 9/24/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71787.D Vial: 42
Acq On : 22 Sep 2010 4:29 pm Operator: AR
Sample : 67834-1 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 18:51 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

54-220

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5372873 ✓	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	4173769	12.659 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.30% 63
Target Compounds			
2) TZM C-9	4.02	24437	<MDL ug/ml
3) TZM C-10	5.00	19019	<MDL ug/ml
4) TZM C-12	6.51	15809	<MDL ug/ml
5) TZM C-14	7.67	17894	<MDL ug/ml
6) TZM C-16	8.69	38346	<MDL ug/ml
7) TZM C-18	9.60	39967	<MDL ug/ml
8) XH C9-C18	7.38	7624248	21.371 ug/ml
9) TZM C-19	10.04	39342	<MDL ug/ml
10) TZM C-20	10.45	63101	<MDL ug/ml
12) TZM C-22	11.42	66749	<MDL ug/ml
13) TZM C-24	12.69	66025	<MDL ug/ml
14) TZM C-26	14.19	10607	<MDL ug/ml
15) TZM C-28	15.69	110102	<MDL ug/ml
16) TZM C-30	17.24	10472	<MDL ug/ml
17) TZM C-36	21.27	20581	4.150 ug/ml
18) XH C19-C36	11.90	10900431	36.824 ug/ml

18.372/33.560

JM 9/24/10

(f)=RT Delta > 1/2 Window (m)=manual int.

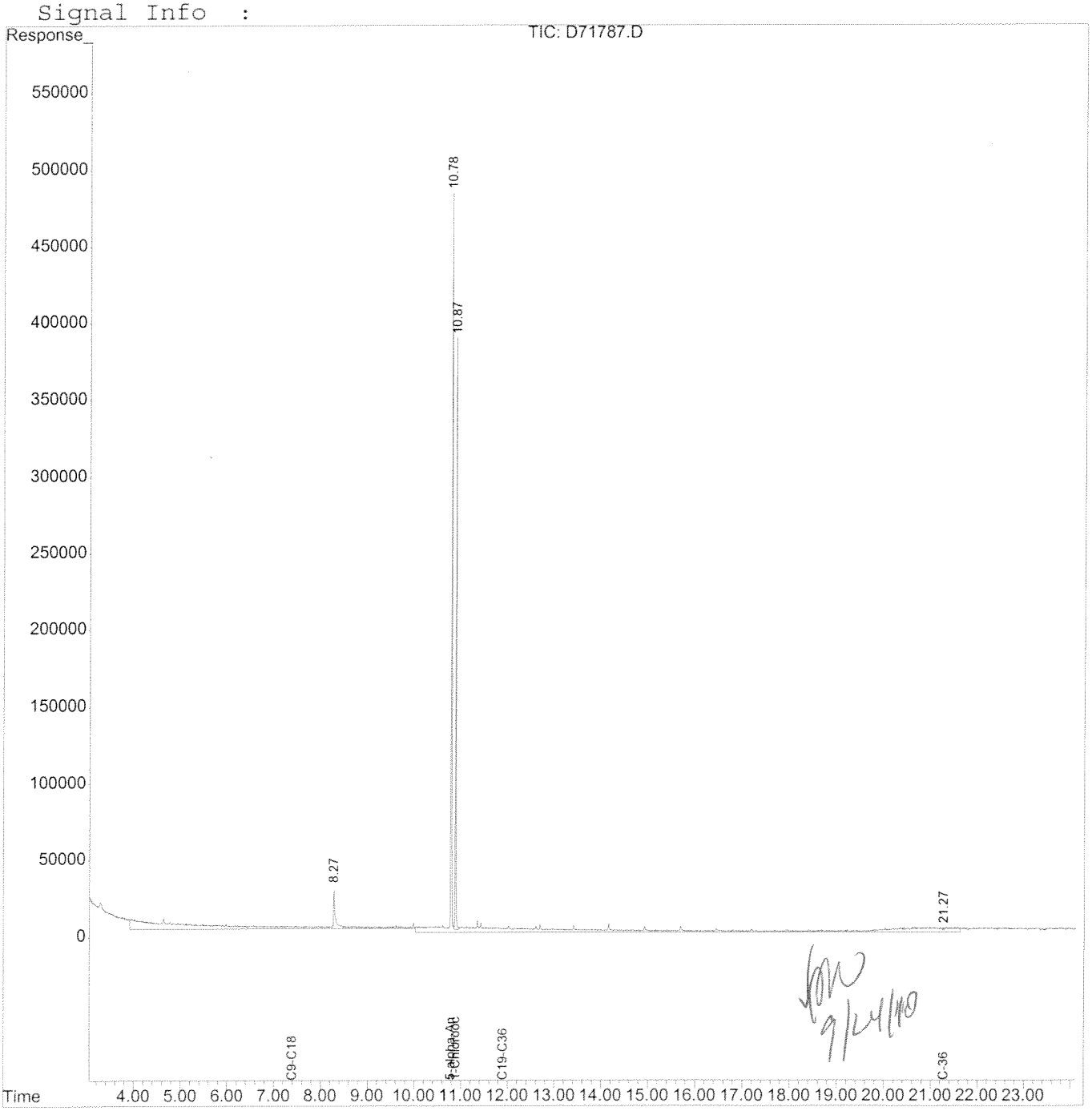
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71787.D Vial: 42
Acq On : 22 Sep 2010 4:29 pm Operator: AR
Sample : 67834-1 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 18:51 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

59220

Volume Inj. :
Signal Phase :
Signal Info :



9/24/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-02

SAMPLE DATA

Lab Sample ID: 67834-2
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29500	µg/kg	U
Diesel PAH Analytes	Naphthalene	295	µg/kg	U
	2-Methylnaphthalene	295	µg/kg	U
	Phenanthrene	295	µg/kg	U
	Acenaphthene	295	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	295	µg/kg	U
	Fluorene	295	µg/kg	U
	Anthracene	295	µg/kg	U
	Fluoranthene	295	µg/kg	U
	Pyrene	295	µg/kg	U
	Benzo[a]anthracene	295	µg/kg	U
	Chrysene	295	µg/kg	U
	Benzo[b]fluoranthene	295	µg/kg	U
	Benzo[k]fluoranthene	295	µg/kg	U
	Benzo[a]pyrene	295	µg/kg	U
	Indeno[1,2,3-cd]pyrene	295	µg/kg	U
	Dibenzo[a,h]anthracene	295	µg/kg	U
	Benzo[g,h,i]perylene	295	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		29500	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29500	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29500	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				80
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				90
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				83
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mpulbull

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67834-2

Dilution Factors	ARO 1.104121		ALI 1.1041208
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		29443
Naphthalene	U		294
2-Methylnaphthalene	U		294
Phenanthrene	U		294
Acenaphthene	U		294
Acenaphthylene	U		294
Fluorene	U		294
Anthracene	U		294
Fluoranthene	U		294
Pyrene	U		294
Benzo[a]anthracene	U		294
Chrysene	U		294
Benzo[b] fluoranthene	U		294
Benzo[k] fluoranthene	U		294
Benzo[a] pyrene	U		294
Indeno [1,2,3-cd] pyrene	U		294
Dibenz [a,h] anthracene	U		294
Benzo(g,h,i) perylene	U		294
C9-C18 Aliphatics	U		29443
C19-C36 Aliphatics	U		29443
C11-C22 Aromatics	U		29443
1-Chlorooctadecane (Ali)	64%	40-140%	PASS
o-terphenyl (Aro)	80%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	90%	40-140%	PASS
2-Bromonaphthalene (Fraction)	83%	40-140%	PASS

J 9-23-10

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35970.D	---------
Date Acquired	9/22/2010 19:47	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.10**	15.10
% Solid (divided by 100)	**0.8997**	0.8997
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	147.2161	147.2161

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-147	Quadratic
2-Methylnaphthalene	-1.00	-147	Quadratic
Acenaphthylene	-1.00	-147	Quadratic
Acenaphthene	-1.00	-147	Quadratic
Fluorene	-1.00	-147	Quadratic
Phenanthrene	-1.00	-147	Quadratic
Anthracene	-1.00	-147	Quadratic
Fluoranthene	-1.00	-147	Quadratic
Pyrene	-1.00	-147	Quadratic
Benzo[a]anthracene	0.00	0	Avg RF
Chrysene	0.01	2	Avg RF
Benzo[b] fluoranthene	0.01	1	Avg RF
Benzo[k] fluoranthene	0.01	1	Avg RF
Benzo[a] pyrene	0.01	1	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.01	1	Avg RF
C11-C22	**38.394**	3318	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		4635	
ALIPHATICS			
C9-C18	**21.562**	470	
C9-C18 Hexane Blank	**18.372**		
C19-C36	**39.331**	850	
C19-C36 Hexane Blank	**33.560**		
Surrogates			
1-Chlorooctadecane (Ali)	**12.752**	64%	
2-Fluorobiphenyl (Fraction)	18.04	90%	
2-Bromonaphthalene (Fraction)	16.58	83%	
o-terphenyl (Aro)	15.97	80%	

JPM 9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35970.D
Acq On : 22 Sep 2010 7:47 pm
Operator : AR/MG
Sample : 67834-2
Misc : SOIL,ARO
ALS Vial : 46 Sample Multiplier: 1

09-23-10

Quant Time: Sep 23 02:20:05 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	82430	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	562566	18.04 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	90.20% 90	
10) 2-Bromonaphthalene	5.961	206	236468	16.58 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	82.90% 83	
11) o-terphenyl	7.480	230	398653	15.97 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	79.85% 80	

Target Compounds					Qvalue
2) Naphthalene	4.561	128	2004	~~Below Cal~~	~~# 96~~
3) 2-Methylnaphthalene	5.131	141	796	Below Cal	# 72
4) Acenaphthylene	5.855	152	371	Below Cal	# 73
5) Acenaphthene	5.991	154	235	Below Cal	# 72
6) Fluorene	6.406	166	309	Below Cal	# 44
7) Phenanthrene	7.180	178	1199	Below Cal	# 92
8) Anthracene	7.227	178	364	Below Cal	# 63
12) Fluoranthene	8.145	202	1544	Below Cal	# 69
13) Pyrene	8.328	202	1628	~~Below Cal~~	~~# 90~~

(#) = qualifier out of range (m) = manual integration (+) = signals summed

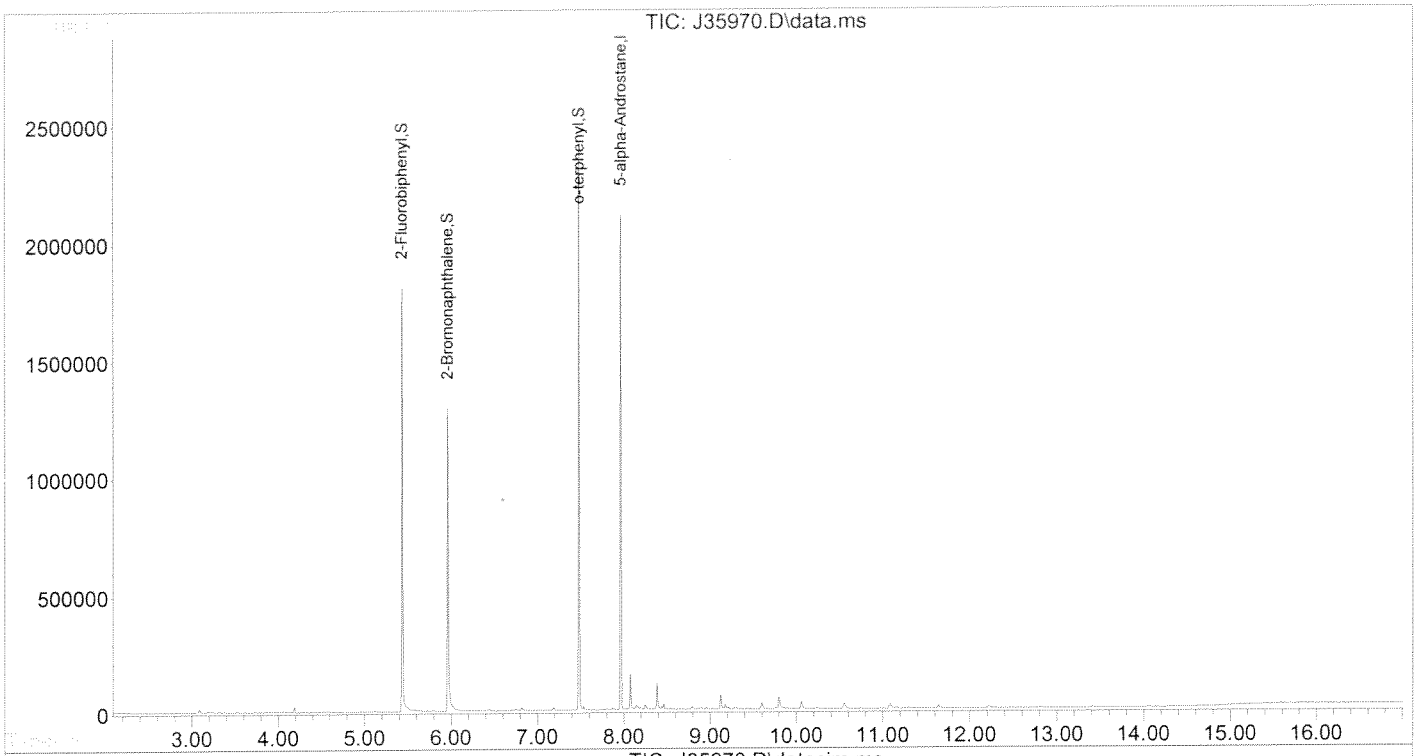
9/24/10

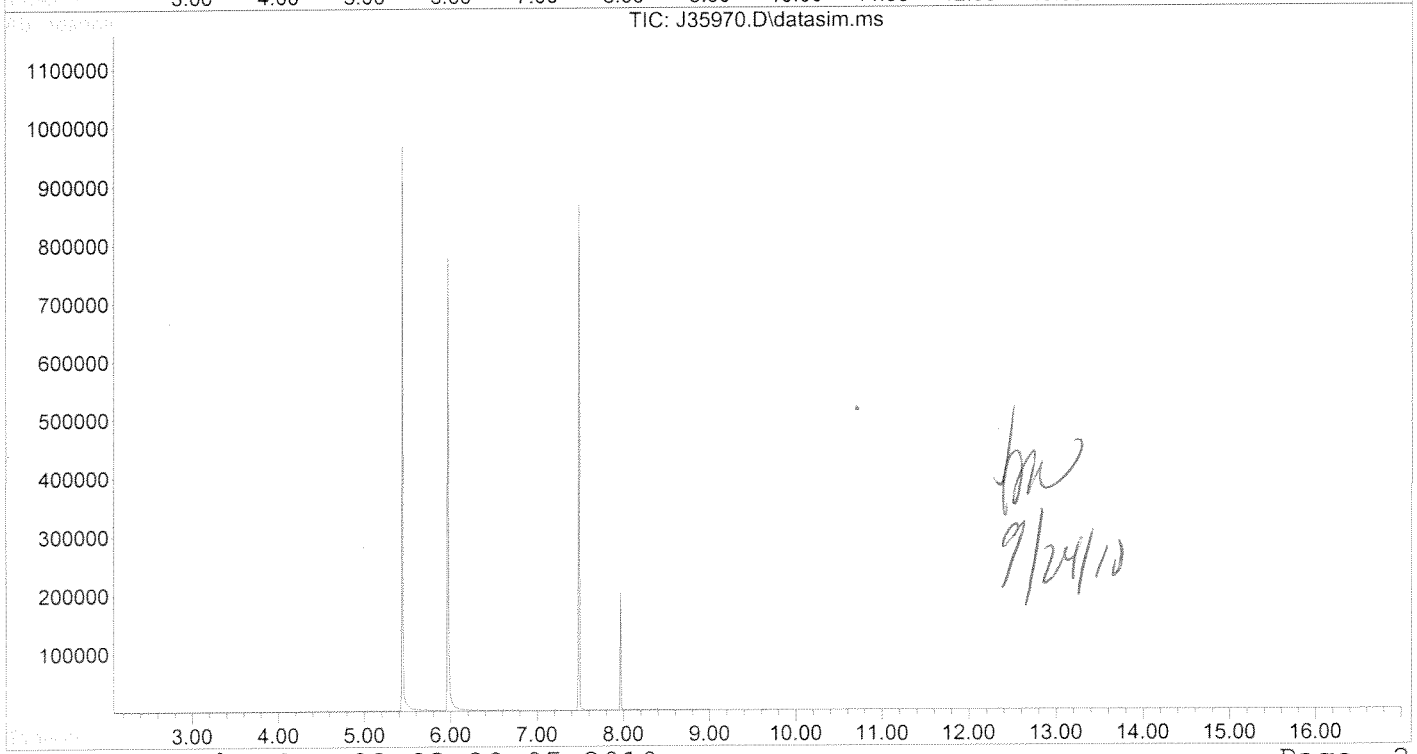
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35970.D
Acq On : 22 Sep 2010 7:47 pm
Operator : AR/MG
Sample : 67834-2
Misc : SOIL,ARO
ALS Vial : 46 Sample Multiplier: 1

J42340

Quant Time: Sep 23 02:20:05 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





fm
9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35970.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 7:47 pm
Operator : AR/MG
Sample : 67834-2
Misc : SOIL,ARO
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:22 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

092310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	18356894	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	16429358	18.709 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	93.55% 94
10) S 2-Bromonaphthalene	5.965	12768265	18.377 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	91.88% 92
11) S o-terphenyl	7.482	18683902	17.051 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.25% 85
Target Compounds			
5) TZ Acenaphthene	5.965f	12768265	12.992 ug/ml
14) TZ Benzo[a]anthracene	9.601	496138	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.087	456689	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.556	26704	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.377	28016	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.425	201806	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.758	54807	<MDL ug/ml
22) XH c11-c22	12.565	34747708	38.394 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

15.855

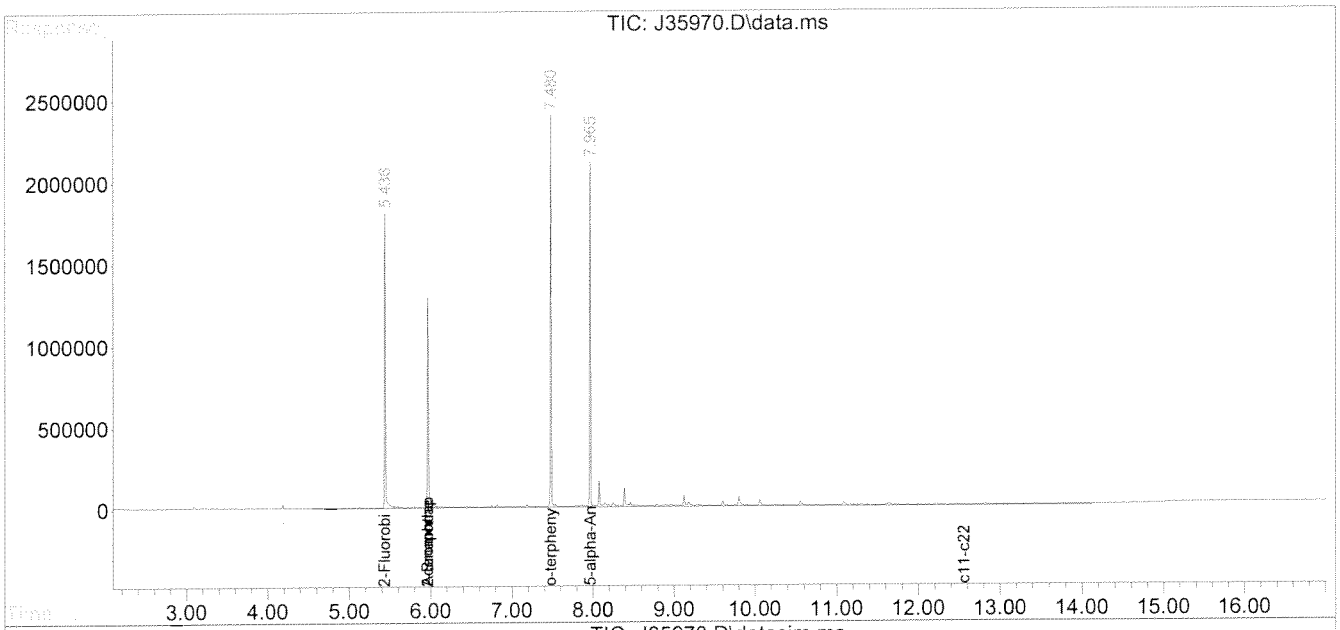
JAW 9/24/10

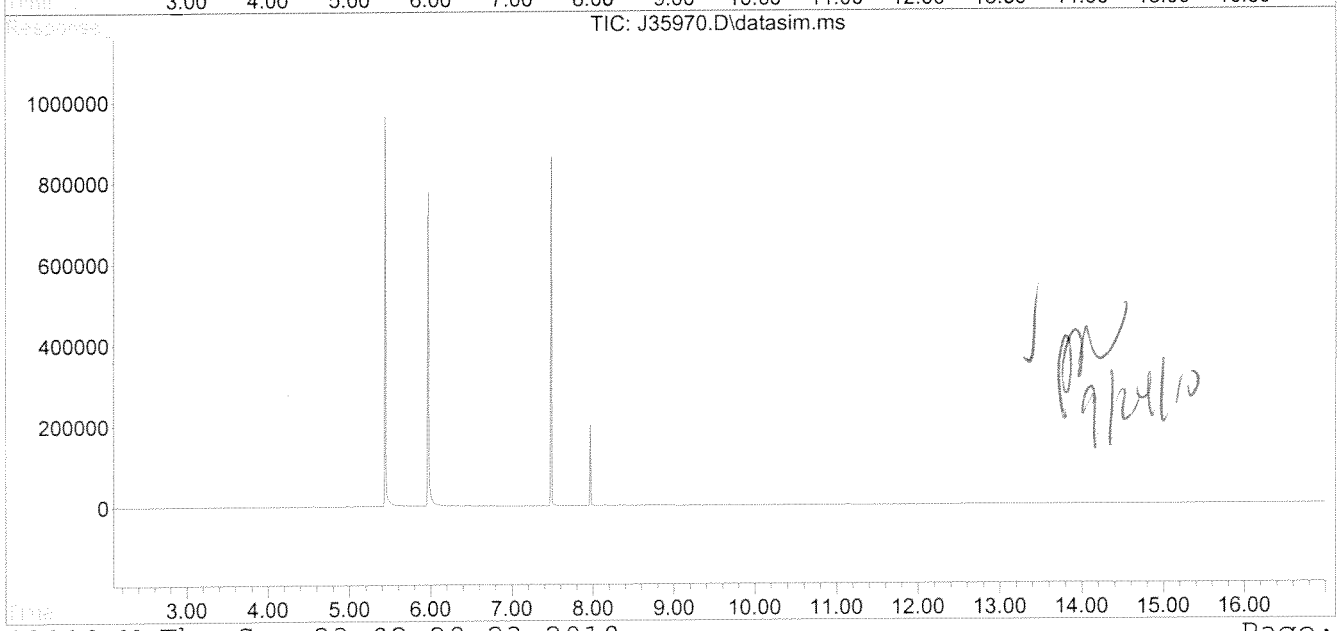
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35970.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 7:47 pm
Operator : AR/MG
Sample : 67834-2
Misc : SOIL,ARO
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:22 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71788.D
Acq On : 22 Sep 2010 4:59 pm
Sample : 67834-2
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Sep 22 18:51 2010 Quant Results File: ALG80410.RES

Vial: 43
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

54220

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5412767	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	4235795	12.752 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.76% 64
Target Compounds			
2) TZM C-9	4.00	7636	<MDL ug/ml
3) TZM C-10	5.04	16622	<MDL ug/ml
4) TZM C-12	6.48	9407	<MDL ug/ml
5) TZM C-14	7.68	15006	<MDL ug/ml
6) TZM C-16	8.69	34592	<MDL ug/ml
7) TZM C-18	9.62	47328	<MDL ug/ml
8) XH C9-C18	7.38	7749738	21.562 ug/ml
9) TZM C-19	10.06	35072	<MDL ug/ml
10) TZM C-20	10.45	37030	<MDL ug/ml
12) TZM C-22	11.42	82926	<MDL ug/ml
13) TZM C-24	12.69	102392	<MDL ug/ml
14) TZM C-26	14.16	125002	<MDL ug/ml
15) TZM C-28	15.69	91397	<MDL ug/ml
16) TZM C-30	17.25	8395	<MDL ug/ml
17) TZM C-36	21.27	44749	4.270 ug/ml
18) XH C19-C36	11.90	11728990	39.331 ug/ml

18.372 | 33.5260

9/24/10

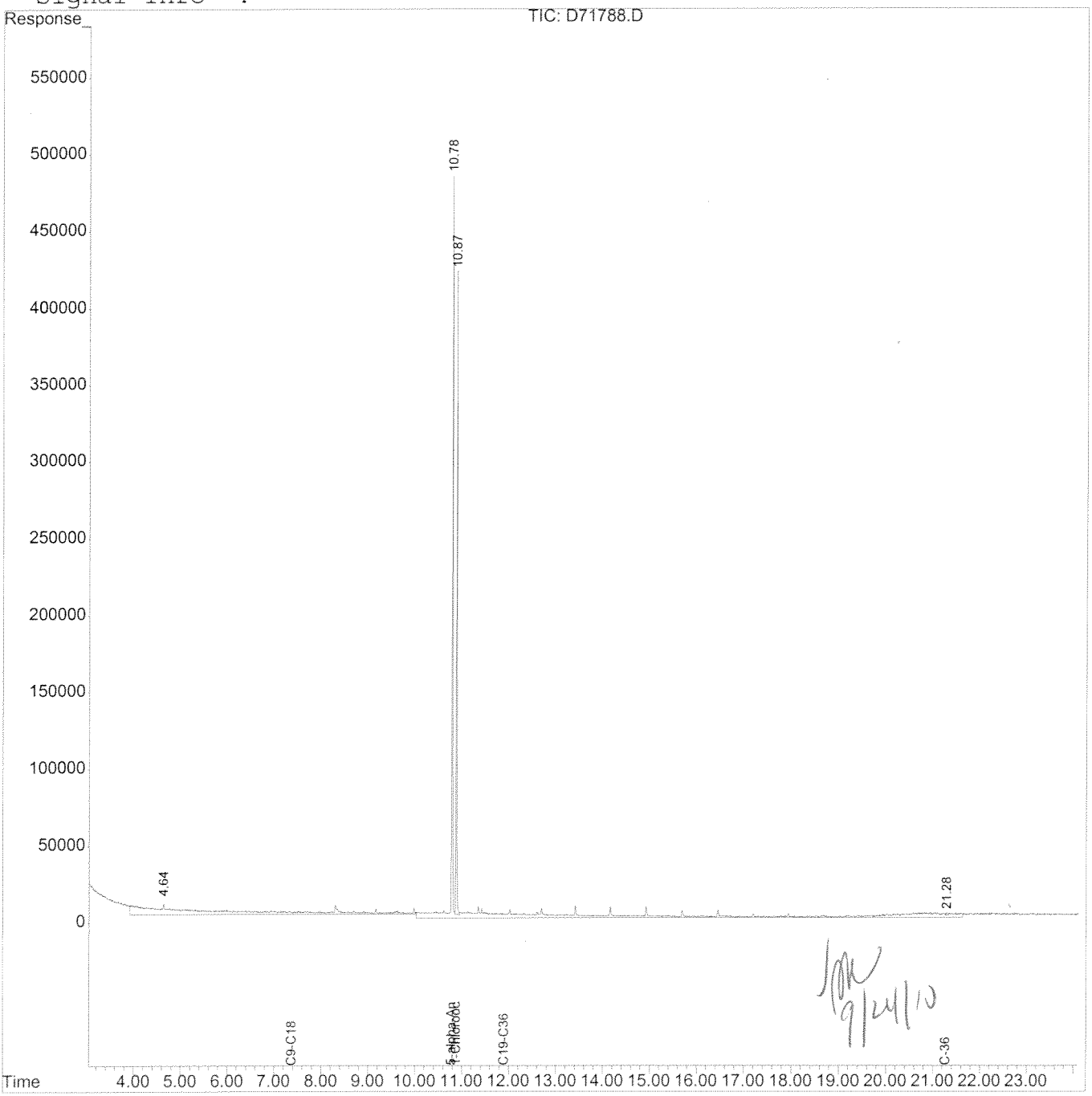
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71788.D Vial: 43
Acq On : 22 Sep 2010 4:59 pm Operator: AR
Sample : 67834-2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 18:51 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



D71788.D ALG80410.M Wed Sep 22 18:51:48 2010 Page 2

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-03

SAMPLE DATA

Lab Sample ID: 67834-3
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27400	µg/kg	U
Diesel PAH Analytes	Naphthalene	274	µg/kg	U
	2-Methylnaphthalene	274	µg/kg	U
	Phenanthrene	274	µg/kg	U
	Acenaphthene	274	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	274	µg/kg	U
	Fluorene	274	µg/kg	U
	Anthracene	274	µg/kg	U
	Fluoranthene	274	µg/kg	U
	Pyrene	274	µg/kg	U
	Benzo[a]anthracene	274	µg/kg	U
	Chrysene	274	µg/kg	U
	Benzo[b]fluoranthene	274	µg/kg	U
	Benzo[k]fluoranthene	274	µg/kg	U
	Benzo[a]pyrene	274	µg/kg	U
	Indeno[1,2,3-cd]pyrene	274	µg/kg	U
	Dibenzo[a,h]anthracene	274	µg/kg	U
	Benzo[g,h,i]perylene	274	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				65
Aromatic Surrogate % Recovery (O-Terphenyl)				80
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				86
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				79
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67834-3

9-23-10

Dilution Factors	ARO 1.027066		ALI 1.0270658
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		27388
Naphthalene	U		274
2-Methylnaphthalene	U		274
Phenanthrene	U		274
Acenaphthene	U		274
Acenaphthylene	U		274
Fluorene	U		274
Anthracene	U		274
Fluoranthene	U		274
Pyrene	U		274
Benzo[a]anthracene	U		274
Chrysene	U		274
Benzo[b] fluoranthene	U		274
Benzo[k] fluoranthene	U		274
Benzo[a] pyrene	U		274
Indeno [1,2,3-cd] pyrene	U		274
Dibenz [a,h] anthracene	U		274
Benzo(g,h,i) perylene	U		274
C9-C18 Aliphatics	U		27388
C19-C36 Aliphatics	U		27388
C11-C22 Aromatics	U		27388
1-Chlorooctadecane (Ali)	65%	40-140%	PASS
o-terphenyl (Aro)	80%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	86%	40-140%	PASS
2-Bromonaphthalene (Fraction)	79%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35971.D	---------
Date Acquired	9/22/2010 20:10	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	15.59	15.59
% Solid (divided by 100)	0.9368	0.9368
Final Volume (mL)	2.0	2.0
Dilution (1:X)	1	1
Calculation Factor	136.9421	136.9421

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-137	Quadratic
2-Methylnaphthalene	-1.00	-137	Quadratic
Acenaphthylene	-1.00	-137	Quadratic
Acenaphthene	-1.00	-137	Quadratic
Fluorene	-1.00	-137	Quadratic
Phenanthrene	-1.00	-137	Quadratic
Anthracene	-1.00	-137	Quadratic
Fluoranthene	-1.00	-137	Quadratic
Pyrene	-1.00	-137	Quadratic
Benzo[a]anthracene	0.00	0	Avg RF
Chrysene	0.00	1	Avg RF
Benzo[b] fluoranthene	0.00	0	Avg RF
Benzo[k] fluoranthene	0.00	0	Avg RF
Benzo[a] pyrene	0.00	0	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.00	0	Avg RF
C11-C22	32.987	2346	
ARO Hexane Blank	15.855		
Adjusted C11-C22		3576	
ALIPHATICS			
C9-C18	21.610	443	
C9-C18 Hexane Blank	18.372		
C19-C36	42.297	1196	
C19-C36 Hexane Blank	33.560		
Surrogates			
1-Chlorooctadecane (Ali)	12.952	65%	
2-Fluorobiphenyl (Fraction)	17.19	86%	
2-Bromonaphthalene (Fraction)	15.86	79%	
o-terphenyl (Aro)	15.91	80%	

9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35971.D
Acq On : 22 Sep 2010 8:10 pm
Operator : AR/MG
Sample : 67834-3
Misc : SOIL,ARO
ALS Vial : 47 Sample Multiplier: 1

SY-2310

Quant Time: Sep 23 02:20:08 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	83656	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	543854	17.19 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 85.95%		
10) 2-Bromonaphthalene	5.962	206	229525	15.86 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 79.30%		
11) o-terphenyl	7.480	230	403194	15.91 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 79.55%		

Target Compounds					Qvalue
2) Naphthalene	4.562	128	2520	~~Below Cal~~ #	96
3) 2-Methylnaphthalene	5.131	141	630	Below Cal #	88
4) Acenaphthylene	5.861	152	224	Below Cal #	51
5) Acenaphthene	6.039	154	89	Below Cal #	46
6) Fluorene	6.419	166	108	Below Cal #	46
7) Phenanthrene	7.185	178	320	Below Cal #	76
8) Anthracene	7.218	178	171	Below Cal #	1
12) Fluoranthene	8.145	202	729	Below Cal #	72
13) Pyrene	8.337	202	893	Below Cal #	88

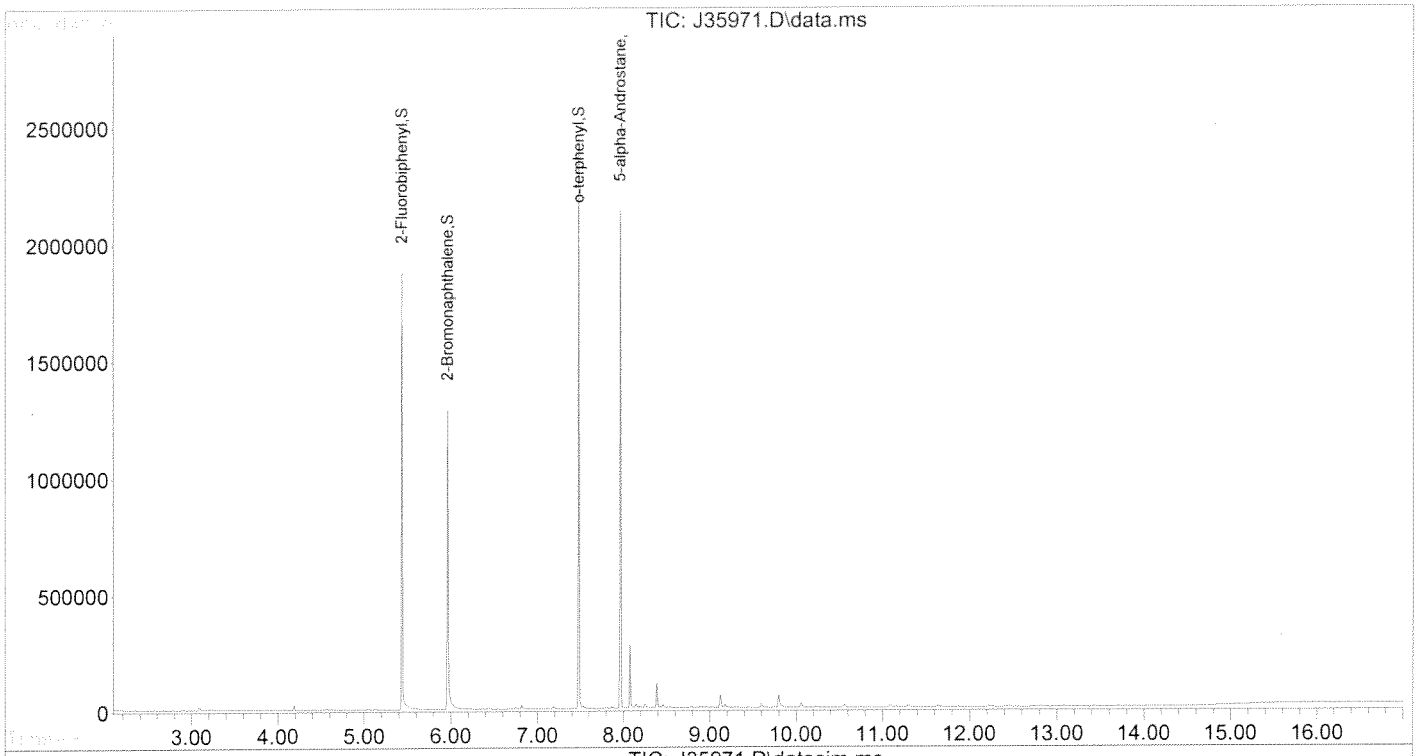
(#) = qualifier out of range (m) = manual integration (+) = signals summed

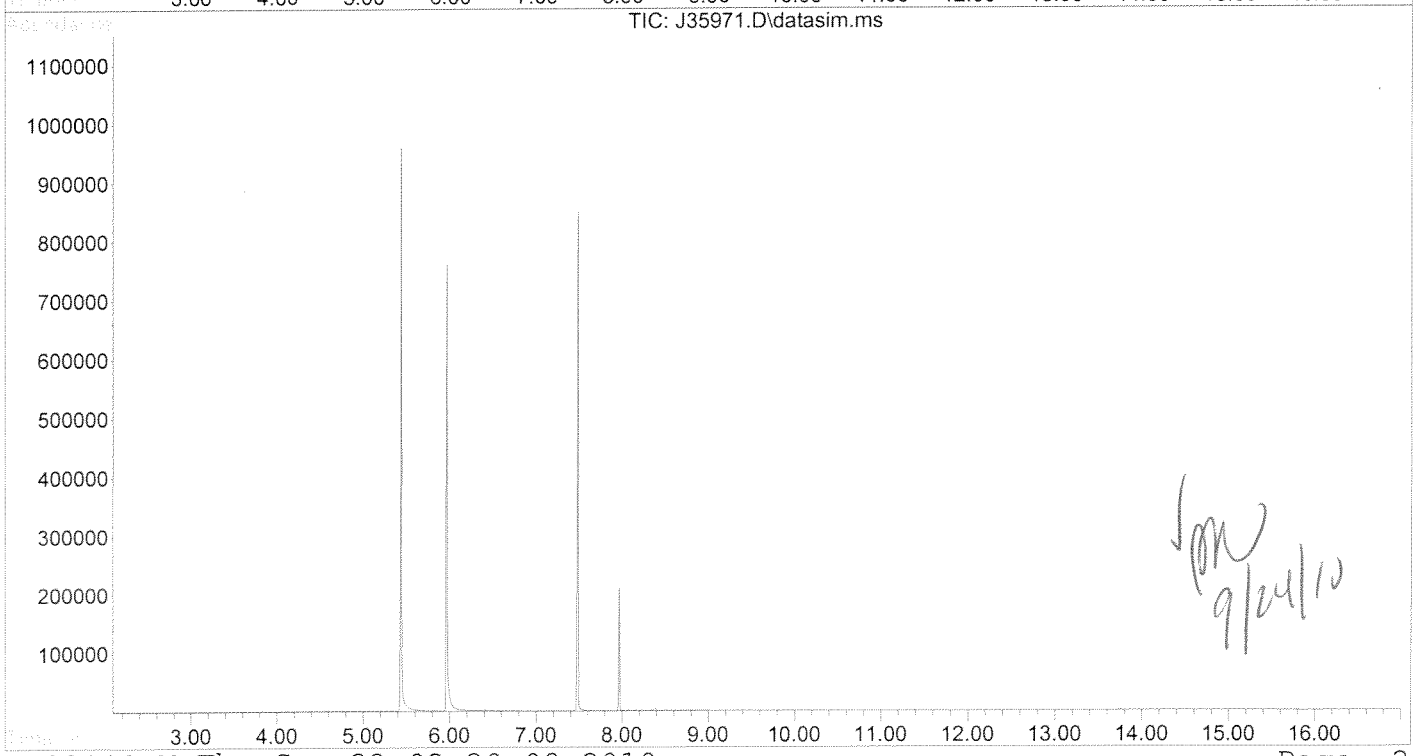
9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35971.D
Acq On : 22 Sep 2010 8:10 pm
Operator : AR/MG
Sample : 67834-3
Misc : SOIL,ARO
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 23 02:20:08 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





TM 9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35971.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:10 pm
Operator : AR/MG
Sample : 67834-3
Misc : SOIL,ARO
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:24 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J42310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	18952257	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	15934029	17.433 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	87.17%
10) S 2-Bromonaphthalene	5.965	12281901	17.122 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.61%
11) S o-terphenyl	7.481	18784366	16.520 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	82.60%
Target Compounds			
5) TZ Acenaphthene	5.965f	12281901	11.984 ug/ml
14) TZ Benzo[a]anthracene	9.602	316488	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.081	280682	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.611	39671	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.354	7745	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.421	69563	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.742	19684	<MDL ug/ml
22) XH c11-c22	12.565	30822091	32.987 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

15.855

9/24/10

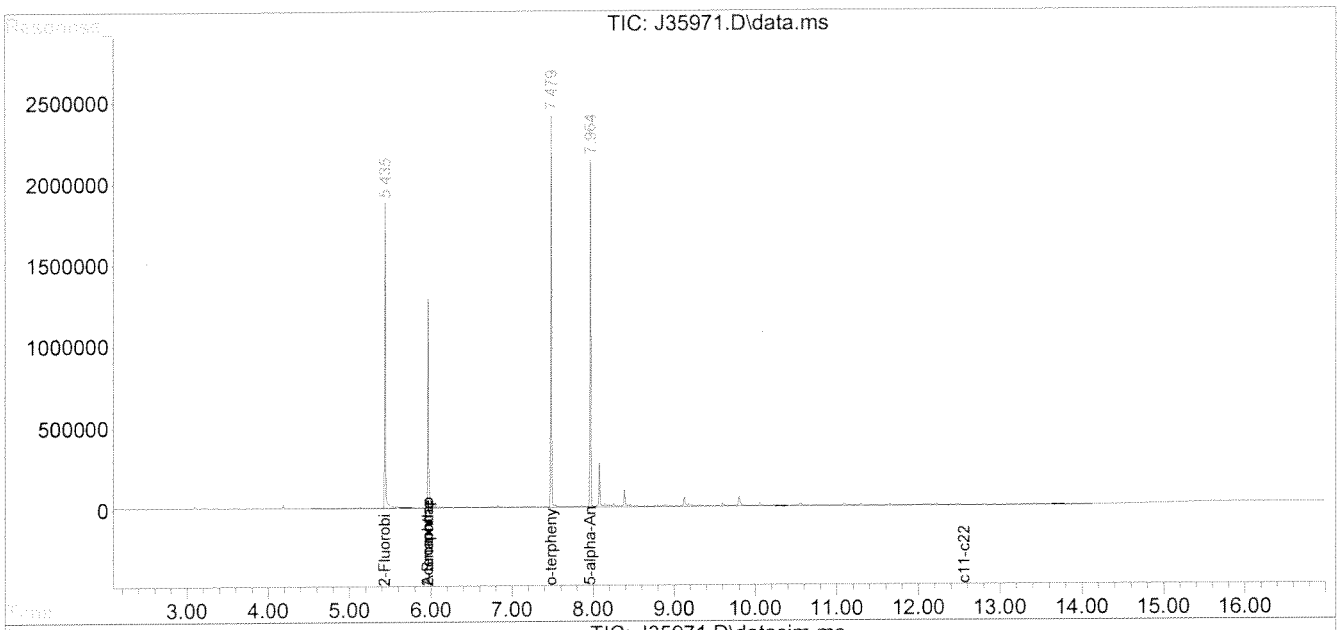
Quantitation Report (Not Reviewed)

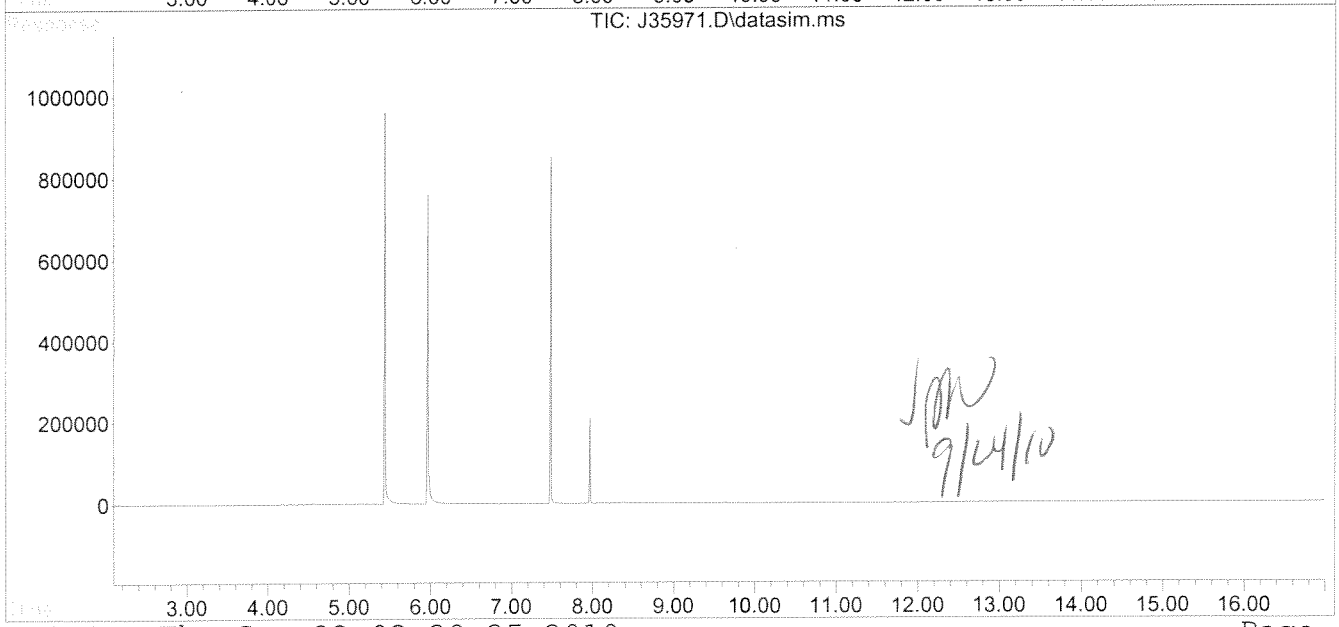
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35971.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:10 pm
Operator : AR/MG
Sample : 67834-3
Misc : SOIL,ARO
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:24 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J42310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JMV 9/24/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71789.D Vial: 44
Acq On : 22 Sep 2010 5:29 pm Operator: AR
Sample : 67834-3 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 18:51 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

592210

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5386959	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	4281732	12.952 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.76% 65
Target Compounds			
2) TZM C-9	3.98	9209	<MDL ug/ml
3) TZM C-10	5.00	28620	<MDL ug/ml
4) TZM C-12	6.48	26107	<MDL ug/ml
5) TZM C-14	7.69	47522	<MDL ug/ml
6) TZM C-16	8.69	28317	<MDL ug/ml
7) TZM C-18	9.60	40803	<MDL ug/ml
8) XH C9-C18	7.38	7729791	21.610 ug/ml
9) TZM C-19	10.02	33358	<MDL ug/ml
10) TZM C-20	10.45	43519	<MDL ug/ml
12) TZM C-22	11.42	103878	<MDL ug/ml
13) TZM C-24	12.69	166351	<MDL ug/ml
14) TZM C-26	14.16	211217	<MDL ug/ml
15) TZM C-28	15.69	150436	<MDL ug/ml
16) TZM C-30	17.20	90906	<MDL ug/ml
17) TZM C-36	21.28	25920	4.177 ug/ml
18) XH C19-C36	11.90	12553197	42.297 ug/ml

18372 / 33.560

JM 9/24/10

(f)=RT Delta > 1/2 Window (m)=manual int.

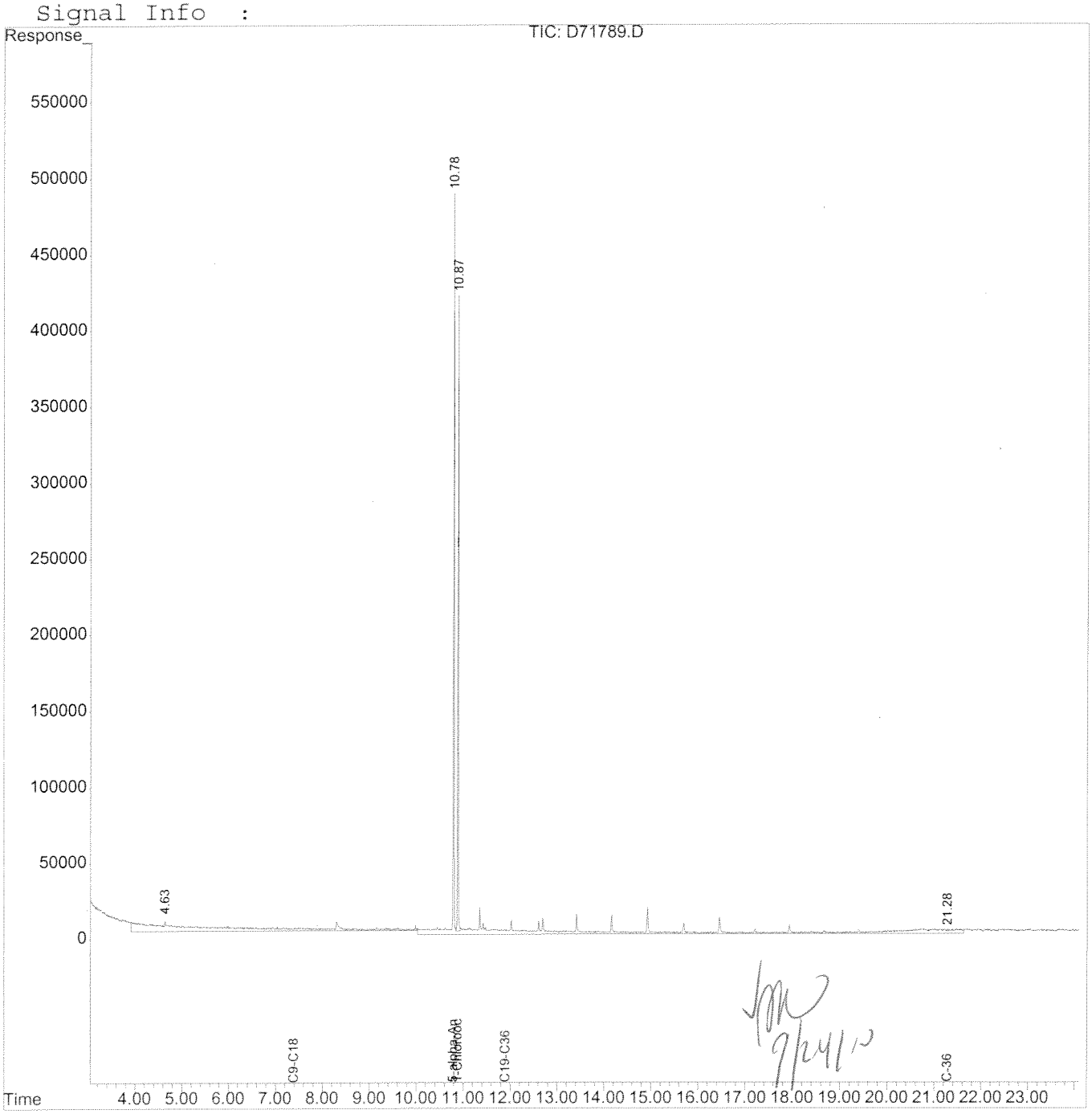
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71789.D Vial: 44
Acq On : 22 Sep 2010 5:29 pm Operator: AR
Sample : 67834-3 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 18:51 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

092210

Volume Inj. :
Signal Phase :
Signal Info :



9/24/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-SW-04

SAMPLE DATA

Lab Sample ID: 67834-4
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27200	µg/kg	U
Diesel PAH Analytes	Naphthalene	272	µg/kg	U
	2-Methylnaphthalene	272	µg/kg	U
	Phenanthrene	272	µg/kg	U
	Acenaphthene	272	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	272	µg/kg	U
	Fluorene	272	µg/kg	U
	Anthracene	272	µg/kg	U
	Fluoranthene	272	µg/kg	U
	Pyrene	272	µg/kg	U
	Benzo[a]anthracene	272	µg/kg	U
	Chrysene	272	µg/kg	U
	Benzo[b]fluoranthene	272	µg/kg	U
	Benzo[k]fluoranthene	272	µg/kg	U
	Benzo[a]pyrene	272	µg/kg	U
	Indeno[1,2,3-cd]pyrene	272	µg/kg	U
	Dibenzo[a,h]anthracene	272	µg/kg	U
	Benzo[g,h,i]perylene	272	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27200	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27200	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27200	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				81
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				91
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				87
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67834-4

34-2310

Dilution Factors	ARO	1.016986	ALI 1.0169863	
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics		U		27120
Naphthalene		U		271
2-Methylnaphthalene		U		271
Phenanthrene		U		271
Acenaphthene		U		271
Acenaphthylene		U		271
Fluorene		U		271
Anthracene		U		271
Fluoranthene		U		271
Pyrene		U		271
Benzo[a]anthracene		U		271
Chrysene		U		271
Benzo[b] fluoranthene		U		271
Benzo[k] fluoranthene		U		271
Benzo[a] pyrene		U		271
Indeno [1,2,3-cd] pyrene		U		271
Dibenz [a,h] anthracene		U		271
Benzo(g,h,i) perylene		U		271
C9-C18 Aliphatics		U		27120
C19-C36 Aliphatics		U		27120
C11-C22 Aromatics		U		27120
1-Chlorooctadecane (Ali)		64%	40-140%	PASS
o-terphenyl (Aro)		81%	40-140%	PASS
2-Fluorobiphenyl (Fraction)		91%	40-140%	PASS
2-Bromonaphthalene (Fraction)		87%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35972.D	---------
Date Acquired	9/22/2010 20:33	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.57**	15.57
% Solid (divided by 100)	**0.9473**	0.9473
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	135.5982	135.5982

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-136	Quadratic
2-Methylnaphthalene	-1.00	-136	Quadratic
Acenaphthylene	-1.00	-136	Quadratic
Acenaphthene	-1.00	-136	Quadratic
Fluorene	-1.00	-136	Quadratic
Phenanthrene	-1.00	-136	Quadratic
Anthracene	-1.00	-136	Quadratic
Fluoranthene	-1.00	-136	Quadratic
Pyrene	-1.00	-136	Quadratic
Benzo[a]anthracene	0.01	1	Avg RF
Chrysene	0.01	1	Avg RF
Benzo[b] fluoranthene	0.01	1	Avg RF
Benzo[k] fluoranthene	0.00	0	Avg RF
Benzo[a] pyrene	0.00	0	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.01	1	Avg RF
C11-C22	**31.772**	2158	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		3373	
ALIPHATICS			
C9-C18	**21.381**	408	
C9-C18 Hexane Blank	**18.372**		
C19-C36	**34.298**	100	
C19-C36 Hexane Blank	**33.560**		
Surrogates			
1-Chlorooctadecane (Ali)	**12.867**	64%	
2-Fluorobiphenyl (Fraction)	18.22	91%	
2-Bromonaphthalene (Fraction)	17.45	87%	
o-terphenyl (Aro)	16.16	81%	

9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35972.D
Acq On : 22 Sep 2010 8:33 pm
Operator : AR/MG
Sample : 67834-4
Misc : SOIL,ARO
ALS Vial : 48 Sample Multiplier: 1

J9-2310

Quant Time: Sep 23 02:20:11 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	96550 ✓	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	665428	18.22 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	91.10%	91
10) 2-Bromonaphthalene	5.962	206	291466	17.45 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	87.25%	87
11) o-terphenyl	7.480	230	472556	16.16 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	80.80%	81

Target Compounds						Qvalue
2) Naphthalene	4.561	128	2304	~~Below Cal~~		~~96~~
3) 2-Methylnaphthalene	5.131	141	244	Below Cal	#	61
4) Acenaphthylene	5.855	152	220	Below Cal	#	56
5) Acenaphthene	5.962	154	340	Below Cal	#	41
6) Fluorene	6.418	166	216	Below Cal	#	59
7) Phenanthrene	7.175	178	686	Below Cal	#	90
8) Anthracene	7.218	178	379	Below Cal	#	74
12) Fluoranthene	8.136	202	1167	Below Cal	#	55
13) Pyrene	8.332	202	1415	~~Below Cal~~	~~#~~	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

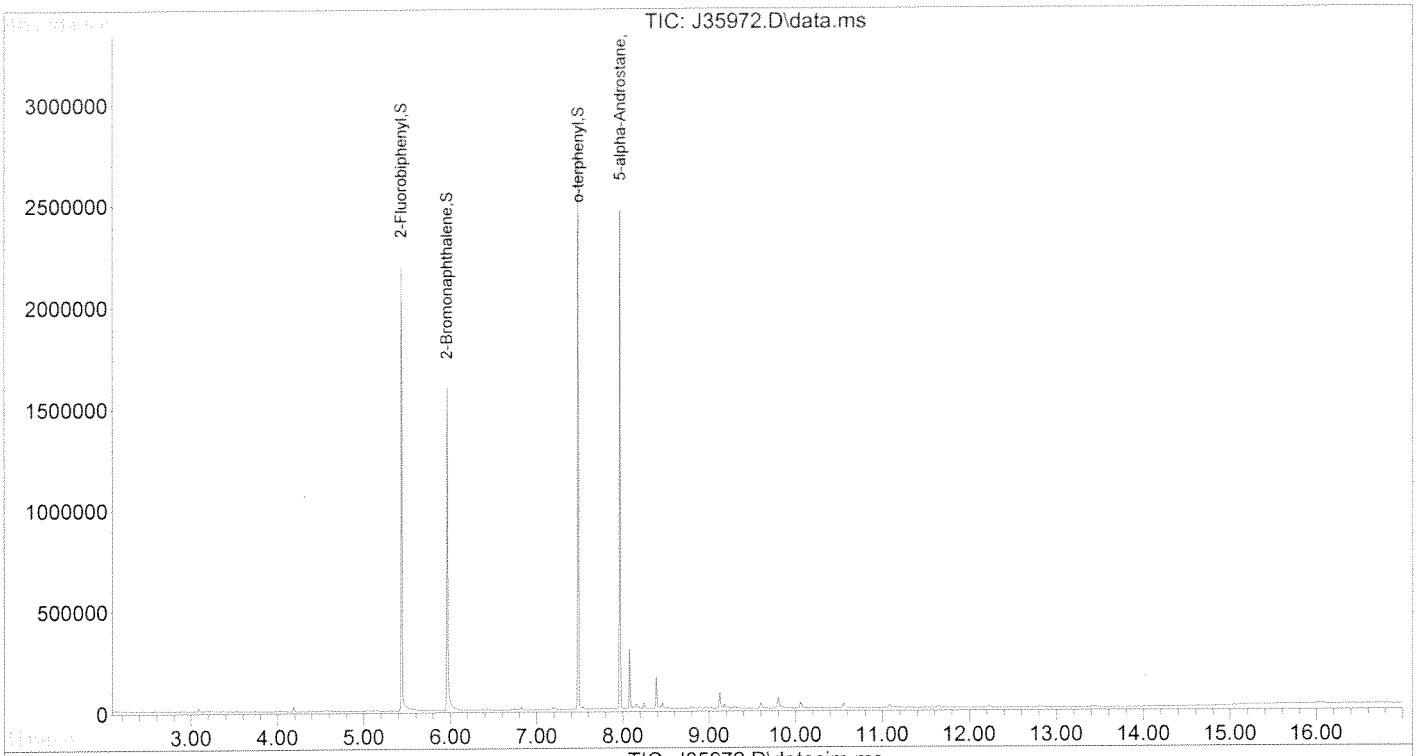
JAW 9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35972.D
Acq On : 22 Sep 2010 8:33 pm
Operator : AR/MG
Sample : 67834-4
Misc : SOIL,ARO
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 23 02:20:11 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J92310



JOM 9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35972.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:33 pm
Operator : AR/MG
Sample : 67834-4
Misc : SOIL,ARO
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:26 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J42310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	22122110	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	19480491	18.368 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	91.84%
10) S 2-Bromonaphthalene	5.965	15591709	18.622 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	93.11%
11) S o-terphenyl	7.482	21913058	16.509 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	82.55%
Target Compounds			
5) TZ Acenaphthene	5.965f	15591709	13.189 ug/ml
14) TZ Benzo[a]anthracene	9.601	509211	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.086	442410	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.563	22068	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.335	25219	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.416	199836	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.758	29463	<MDL ug/ml
22) XH c11-c22	12.565	34652412	31.772 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

15.855

9/24/10

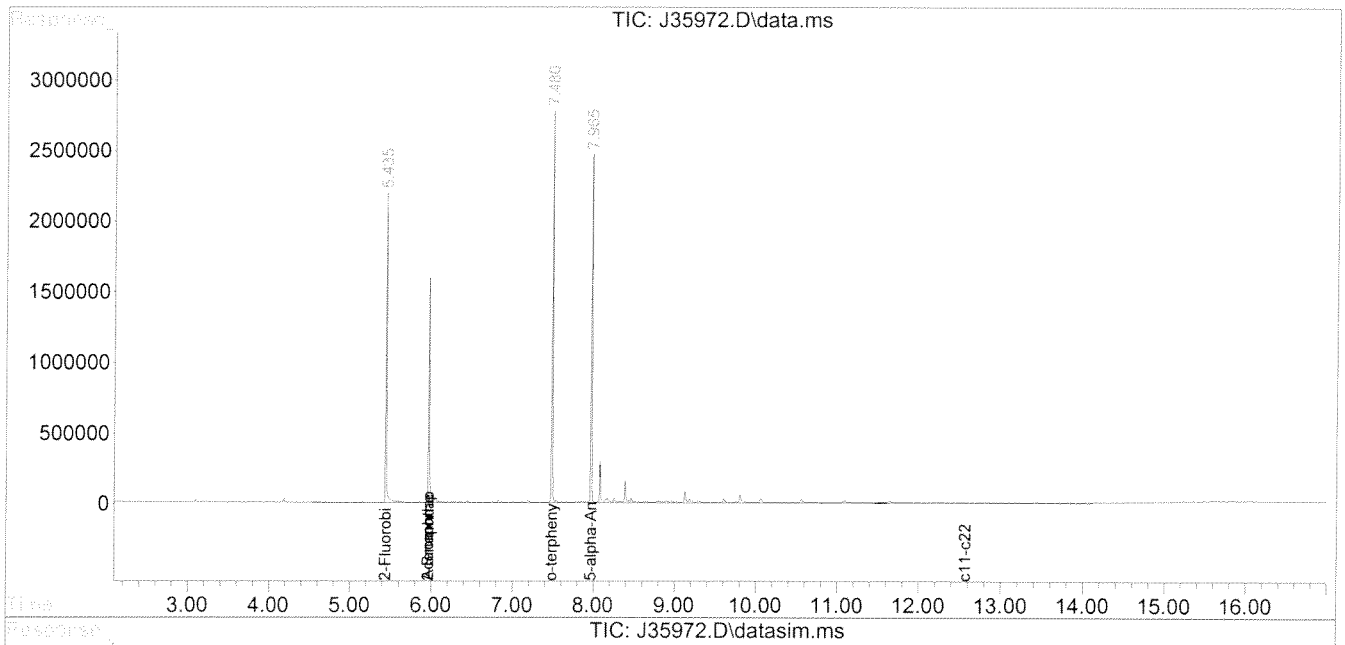
Quantitation Report (Not Reviewed)

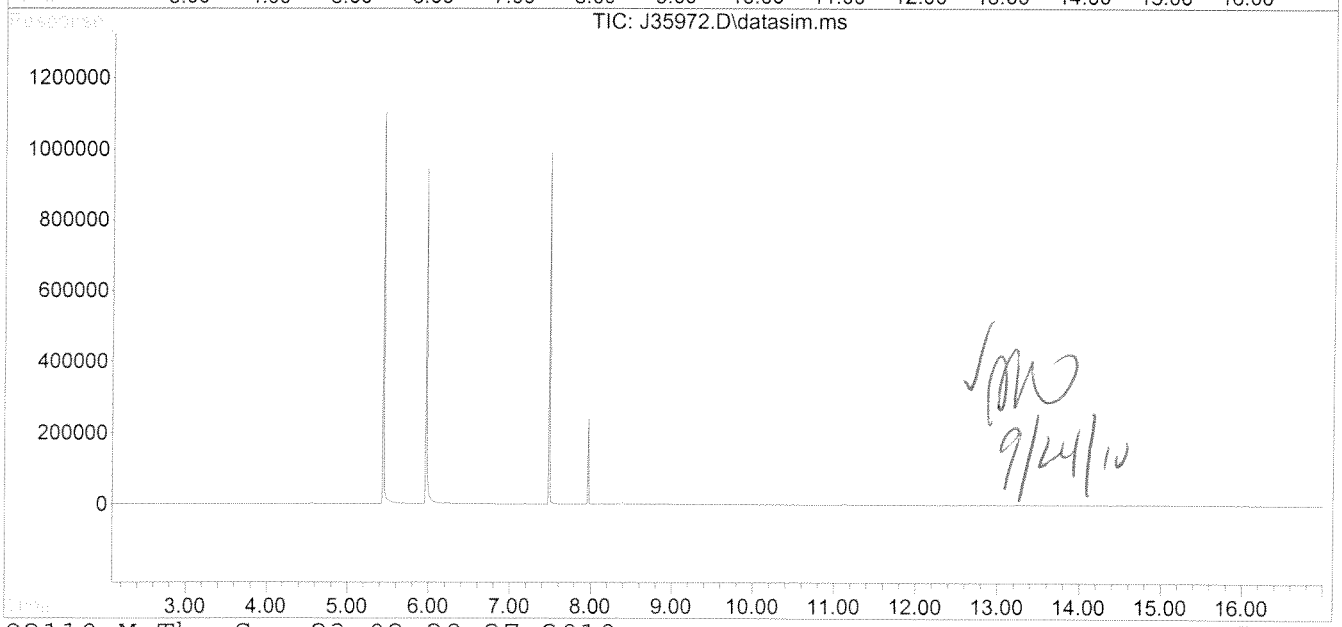
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35972.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:33 pm
Operator : AR/MG
Sample : 67834-4
Misc : SOIL,ARO
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:26 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JMO 9/24/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71790.D Vial: 45
Acq On : 22 Sep 2010 5:58 pm Operator: AR
Sample : 67834-4 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 18:51 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

54220

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5288731	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	4175921	12.867 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.34% 64
Target Compounds			
2) TZM C-9	4.02	7308	<MDL ug/ml
3) TZM C-10	5.03	15054	<MDL ug/ml
4) TZM C-12	6.48	8825	<MDL ug/ml
5) TZM C-14	7.68	27260	<MDL ug/ml
6) TZM C-16	8.69	26291	<MDL ug/ml
7) TZM C-18	9.60	27624	<MDL ug/ml
8) XH C9-C18	7.38	7508574	21.381 ug/ml
9) TZM C-19	10.01	28036	<MDL ug/ml
10) TZM C-20	10.45	42001	<MDL ug/ml
12) TZM C-22	11.42	59304	<MDL ug/ml
13) TZM C-24	12.70	43094	<MDL ug/ml
14) TZM C-26	14.20	12442	<MDL ug/ml
15) TZM C-28	15.69	47522	<MDL ug/ml
16) TZM C-30	17.21	23403	<MDL ug/ml
17) TZM C-36	21.27	84421	4.479 ug/ml
18) XH C19-C36	11.90	9993482	34.298 ug/ml

18.372 | 33.560

9/24/10

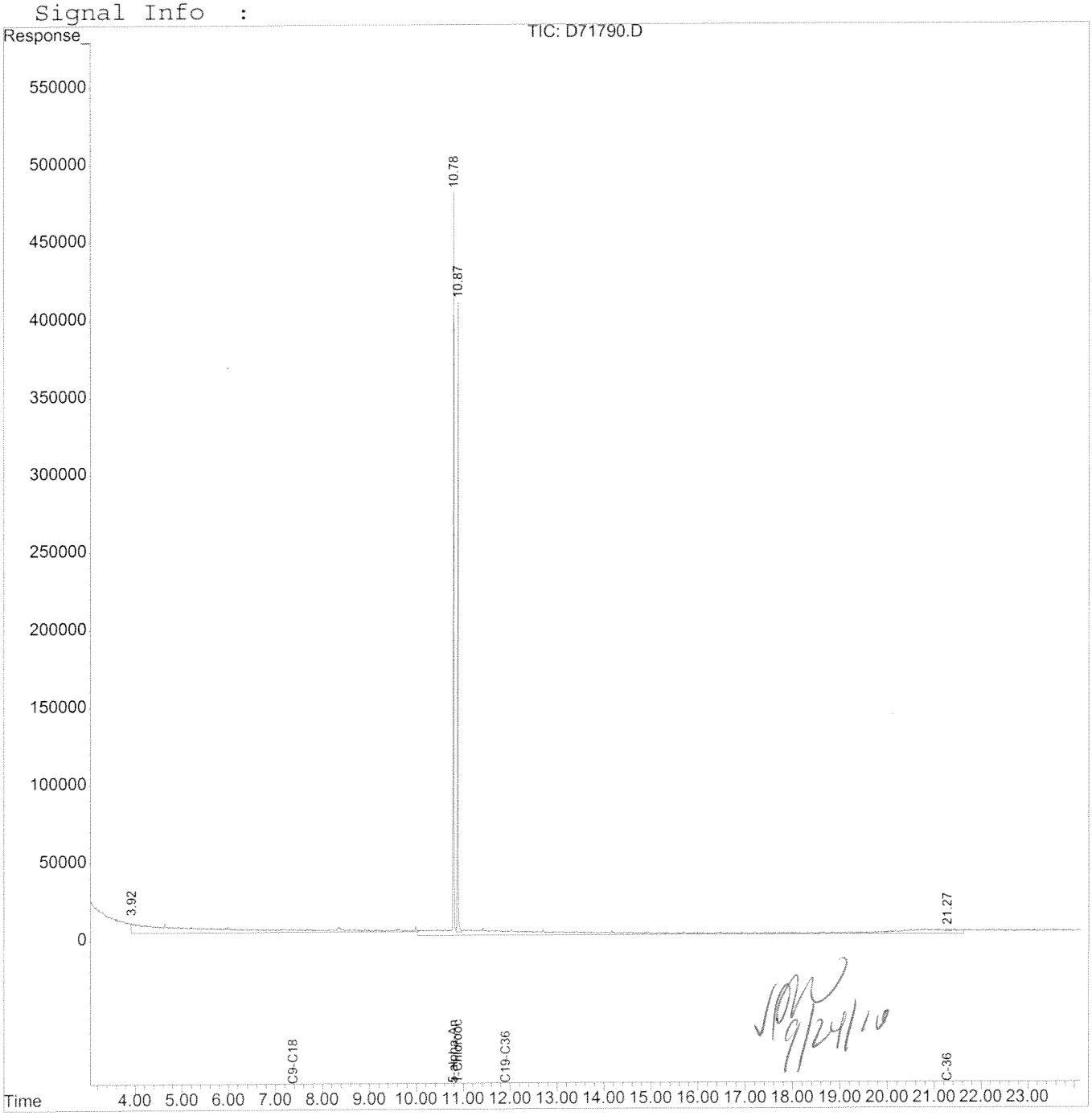
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71790.D
Vial: 45
Acq On : 22 Sep 2010 5:58 pm
Operator: AR
Sample : 67834-4
Inst : GC/MS Ins
Misc : SOIL,ALI
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 18:51 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-B-5

SAMPLE DATA

Lab Sample ID: 67834-5
Matrix: Solid
Percent Solid: 87
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		30000	µg/kg	**115000**
Diesel PAH Analytes	Naphthalene	300	µg/kg	U
	2-Methylnaphthalene	300	µg/kg	U
	Phenanthrene	300	µg/kg	U
	Acenaphthene	300	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	300	µg/kg	U
	Fluorene	300	µg/kg	U
	Anthracene	300	µg/kg	U
	Fluoranthene	300	µg/kg	**330**
	Pyrene	300	µg/kg	**316**
	Benzo[a]anthracene	300	µg/kg	**256 J**
	Chrysene	300	µg/kg	**396**
	Benzo[b]fluoranthene	300	µg/kg	**441**
	Benzo[k]fluoranthene	300	µg/kg	**168 J**
	Benzo[a]pyrene	300	µg/kg	U
	Indeno[1,2,3-cd]pyrene	300	µg/kg	**172 J**
	Dibenzo[a,h]anthracene	300	µg/kg	U
	Benzo[g,h,i]perylene	300	µg/kg	**199 J**
C9-C18 Aliphatic Hydrocarbons[1]		30000	µg/kg	**526000 E**
C19-C36 Aliphatic Hydrocarbons[1]		30000	µg/kg	**111000**
C11-C22 Aromatic Hydrocarbons[1,2]		30000	µg/kg	**113000**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				49
Aromatic Surrogate % Recovery (O-Terphenyl)				84
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				97
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				87
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67834-5

89.2310

Dilution Factors	ARO 1.122501		ALI 1.1225008
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	114722		29933
Naphthalene	U		299
2-Methylnaphthalene	U		299
Phenanthrene	U		299
Acenaphthene	U		299
Acenaphthylene	U		299
Fluorene	U		299
Anthracene	U		299
Fluoranthene	330		299
Pyrene	316		299
Benzo[a]anthracene	256	J	299
Chrysene	396		299
Benzo[b] fluoranthene	441		299
Benzo[k] fluoranthene	168	J	299
Benzo[a] pyrene	U		299
Indeno [1,2,3-cd] pyrene	172	J	299
Dibenz [a,h] anthracene	U		299
Benzo(g,h,i) perylene	199	J	299
C9-C18 Aliphatics	526137 E		29933
C19-C36 Aliphatics	110884		29933
C11-C22 Aromatics	113377		29933
1-Chlorooctadecane (Ali)	49%	40-140%	PASS
o-terphenyl (Aro)	84%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	97%	40-140%	PASS
2-Bromonaphthalene (Fraction)	87%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35973.D	---------
Date Acquired	9/22/2010 20:56	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.30**	15.30
% Solid (divided by 100)	**0.8734**	0.8734
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	149.6668	149.6668

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-150	Quadratic
2-Methylnaphthalene	-1.00	-150	Quadratic
Acenaphthylene	-1.00	-150	Quadratic
Acenaphthene	-1.00	-150	Quadratic
Fluorene	-1.00	-150	Quadratic
Phenanthrene	-1.00	-150	Quadratic
Anthracene	-1.00	-150	Quadratic
Fluoranthene	2.21	330	Quadratic
Pyrene	2.11	316	Quadratic
Benzo[a]anthracene	1.71	256	Avg RF
Chrysene	2.65	396	Avg RF
Benzo[b] fluoranthene	2.95	441	Avg RF
Benzo[k] fluoranthene	1.12	168	Avg RF
Benzo[a] pyrene	0.49	74	Avg RF
Indeno [1,2,3-cd] pyrene	1.15	172	Avg RF
Dibenz [a,h] anthracene	0.27	40	Avg RF
Benzo(g,h,i) perylene	1.33	199	Avg RF
C11-C22	**782.354**	114722	
ARO Hexane Blank	**15.835**		
Adjusted C11-C22		113377	
ALIPHATICS			
C9-C18	**3533.764** E	526137	
C9-C18 Hexane Blank	**18.372**		
C19-C36	**774.430**	110884	
C19-C36 Hexane Blank	**33.560**		
Surrogates			
1-Chlorooctadecane (Ali)	**9.861**	49%	
2-Fluorobiphenyl (Fraction)	19.41	97%	
2-Bromonaphthalene (Fraction)	17.33	87%	
o-terphenyl (Aro)	16.82	84%	

9/24/10

Quantitation Report (QT Reviewed)

Q

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

S92310

Quant Time: Sep 23 09:51:09 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	71421	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	524416	19.41 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 97.05%		97
10) 2-Bromonaphthalene	5.962	206	214096	17.33 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 86.65%		87
11) o-terphenyl	7.480	230	363827	16.82 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 84.10%		84

Target Compounds					Qvalue
2) Naphthalene	4.561	128	7087	Below Cal #	86
3) 2-Methylnaphthalene	5.125	141	2632	Below Cal #	49
4) Acenaphthylene	5.849	152	1880	Below Cal #	37
5) Acenaphthene	6.009	154	1284	Below Cal #	9
6) Fluorene	6.413	166	1135	Below Cal #	89
7) Phenanthrene	7.175	178	2199	Below Cal #	77
8) Anthracene	7.218	178	7771	Below Cal #	70
12) Fluoranthene	8.131	202	131291	2.21 ug/ml	97
13) Pyrene	8.323	202	126079	2.11 ug/ml	98
14) Benzo[a]anthracene	9.602	228	58501	1.71 ug/ml	95
15) Chrysene	9.646	228	88383	2.65 ug/ml	96
16) Benzo[b] fluoranthene	11.102	252	88395m	2.95 ug/ml	
17) Benzo[k] fluoranthene	11.140	252	33356m	1.12 ug/ml	
19) Indeno [1,2,3-cd] pyrene	13.337	276	26317	1.15 ug/ml#	93
21) Benzo(g,h,i) perylene	13.730	276	33082	1.33 ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

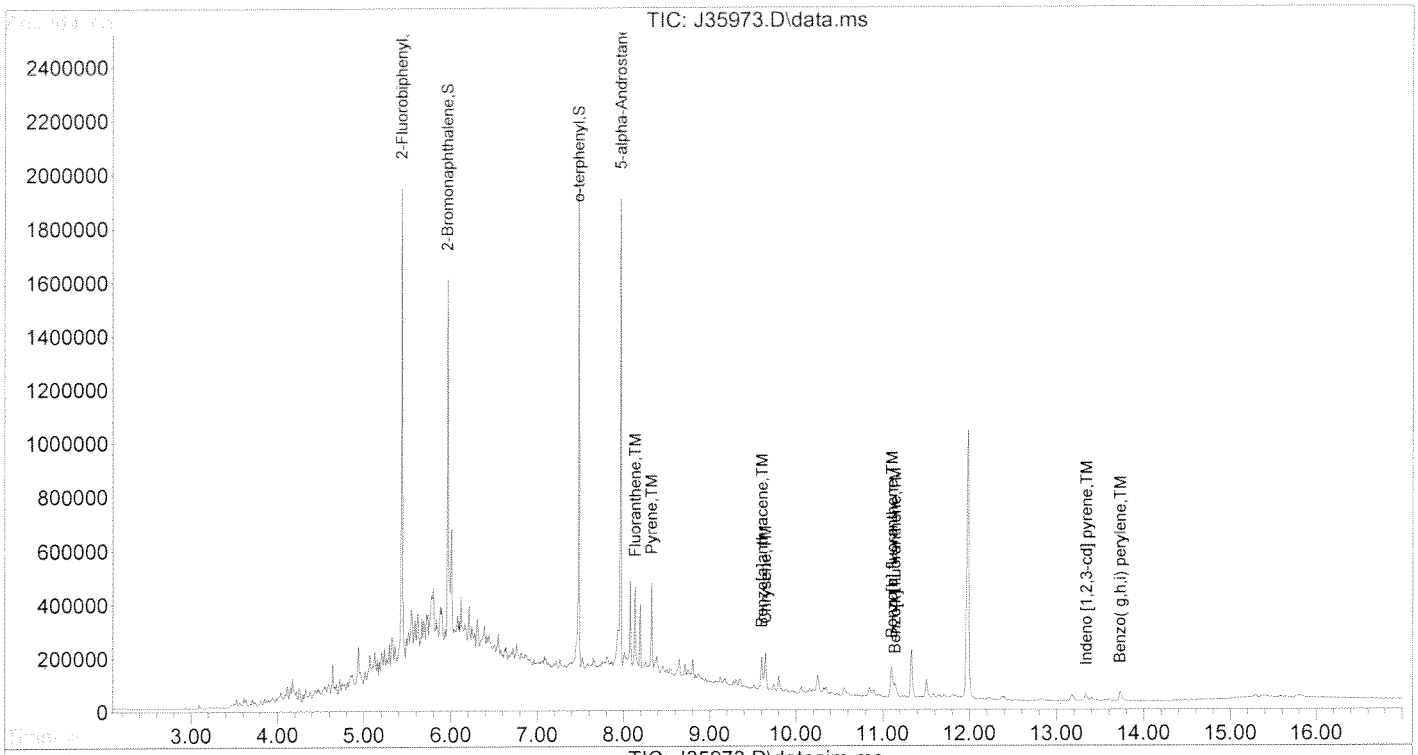
SM 9/24/10

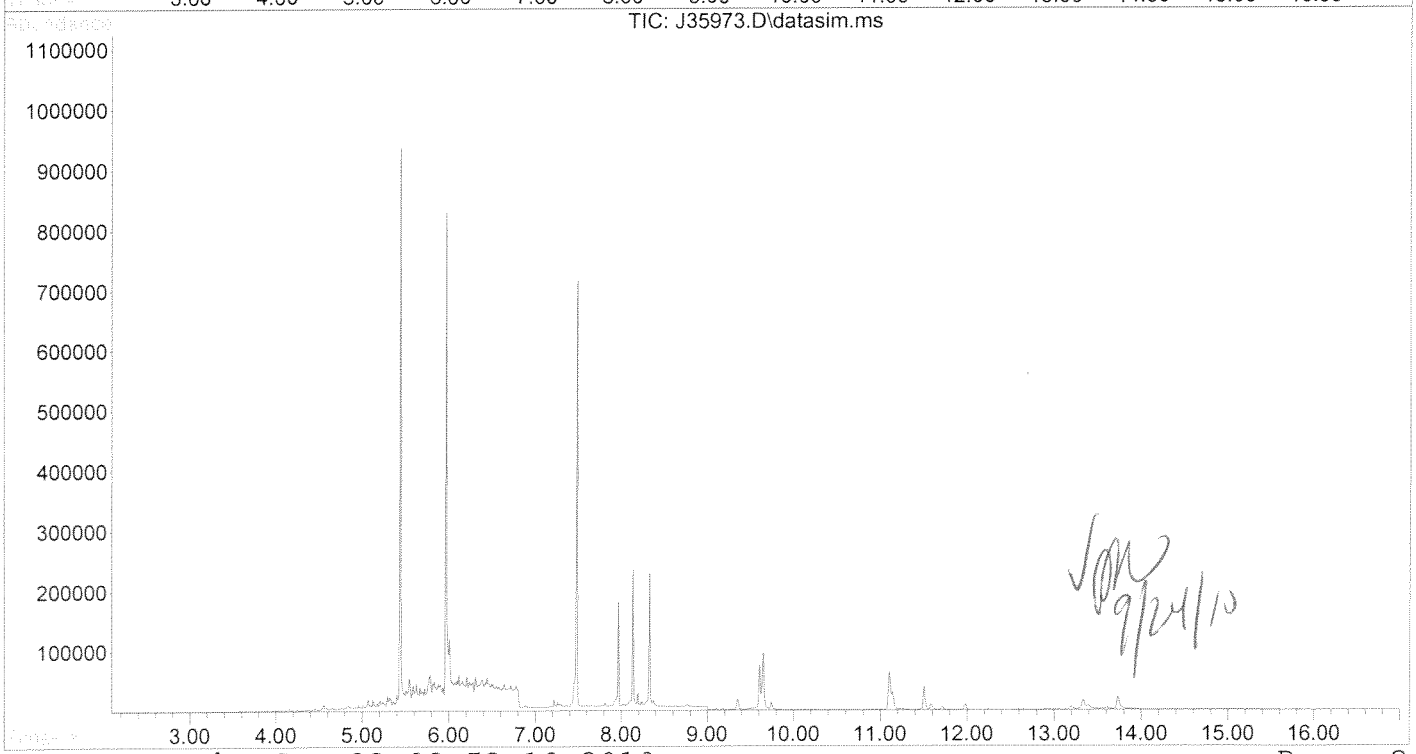
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

392340

Quant Time: Sep 23 09:51:09 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





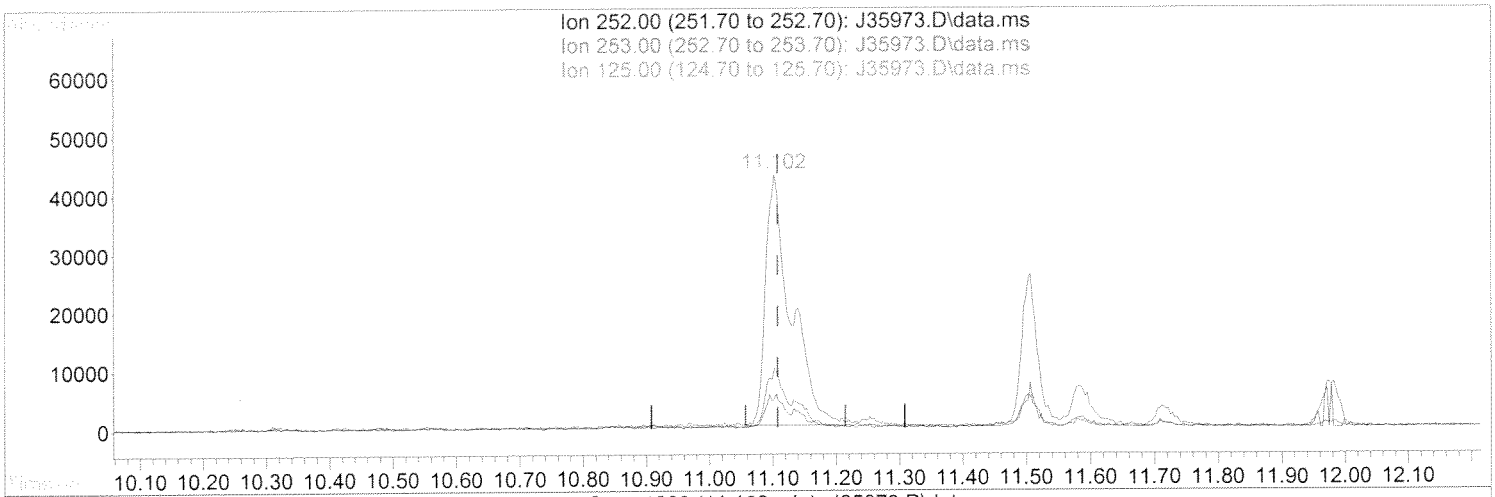
9/24/10

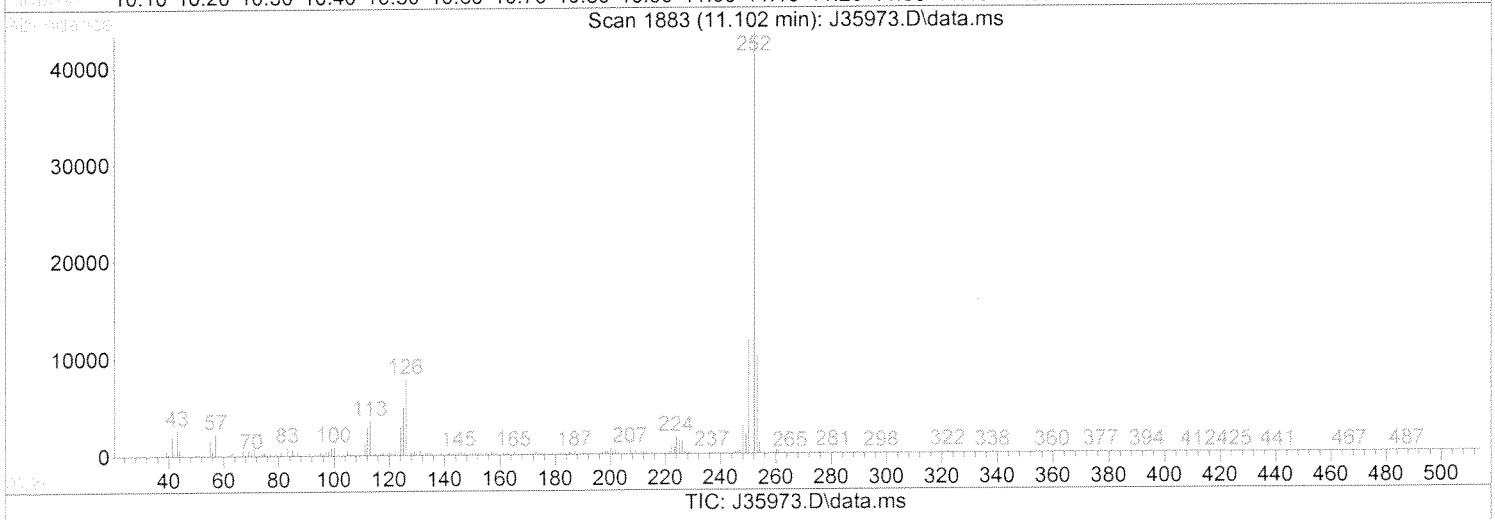
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

J9-2310
Corelite

Quant Time: Sep 23 02:20:13 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





(16) Benzo[b] fluoranthene (TM)

11.102min (-0.007) 3.97ug/ml

response 119186

Ion	Exp%	Act%
252.00	100	100
253.00	21.10	23.07
125.00	12.70	9.76#
0.00	0.00	0.00

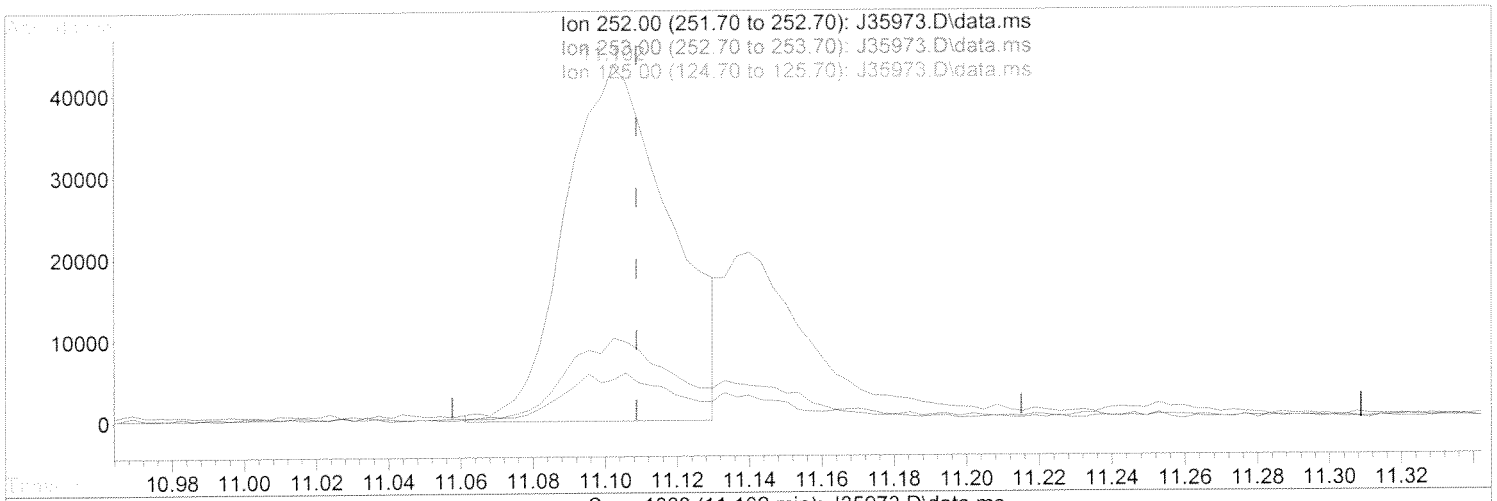
9/24/10

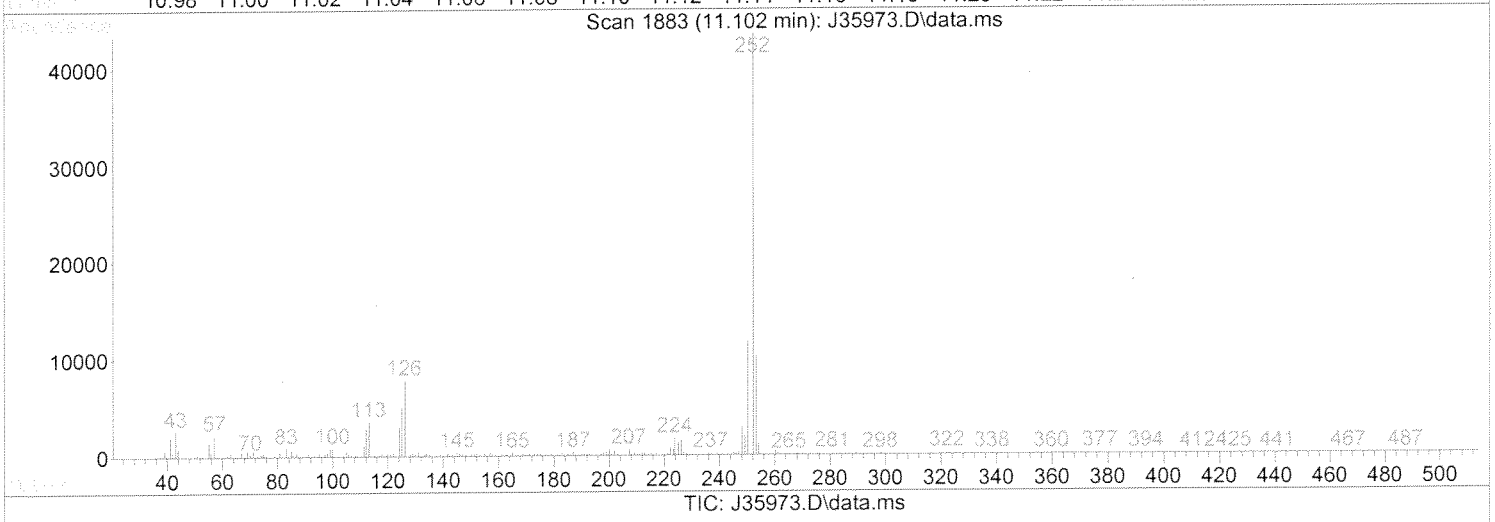
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

J92360

Quant Time: Sep 23 02:20:13 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





(16) Benzo[b] fluoranthene (TM)

11.102min (-0.007) 2.95ug/ml m

response 88395

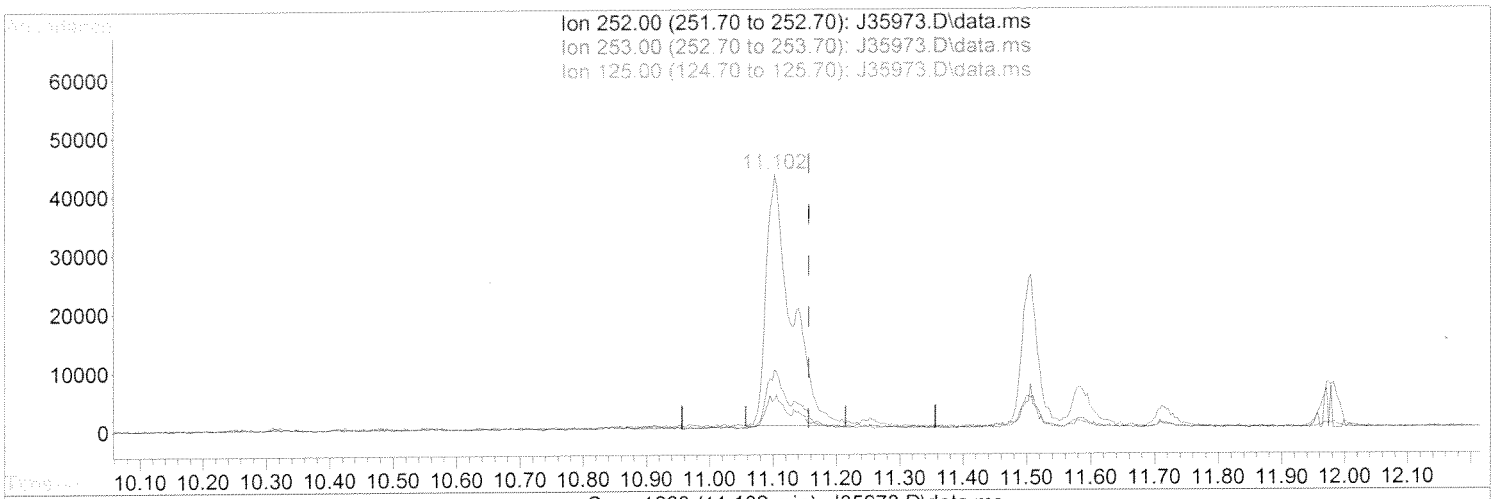
Ion	Exp%	Act%
252.00	100	100
253.00	21.10	31.11#
125.00	12.70	13.16
0.00	0.00	0.00

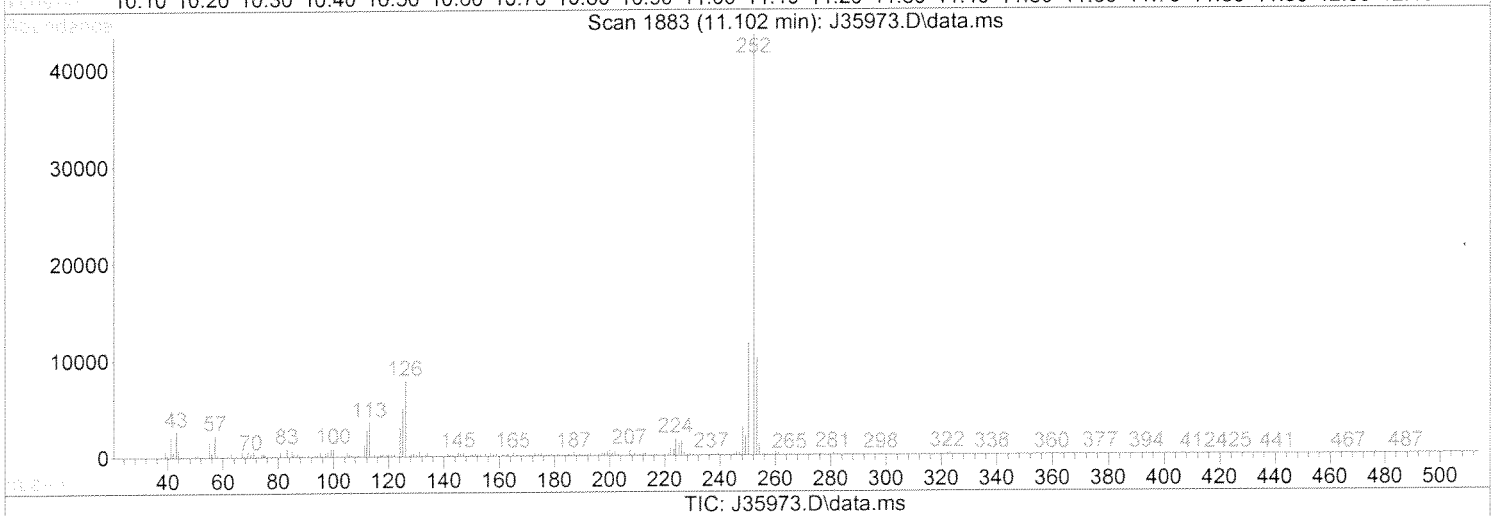
JOW 9/24/10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 23 02:20:13 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





(17) Benzo[k] fluoranthene (TM)

11.102min (-0.054) 4.01ug/ml

response 119186

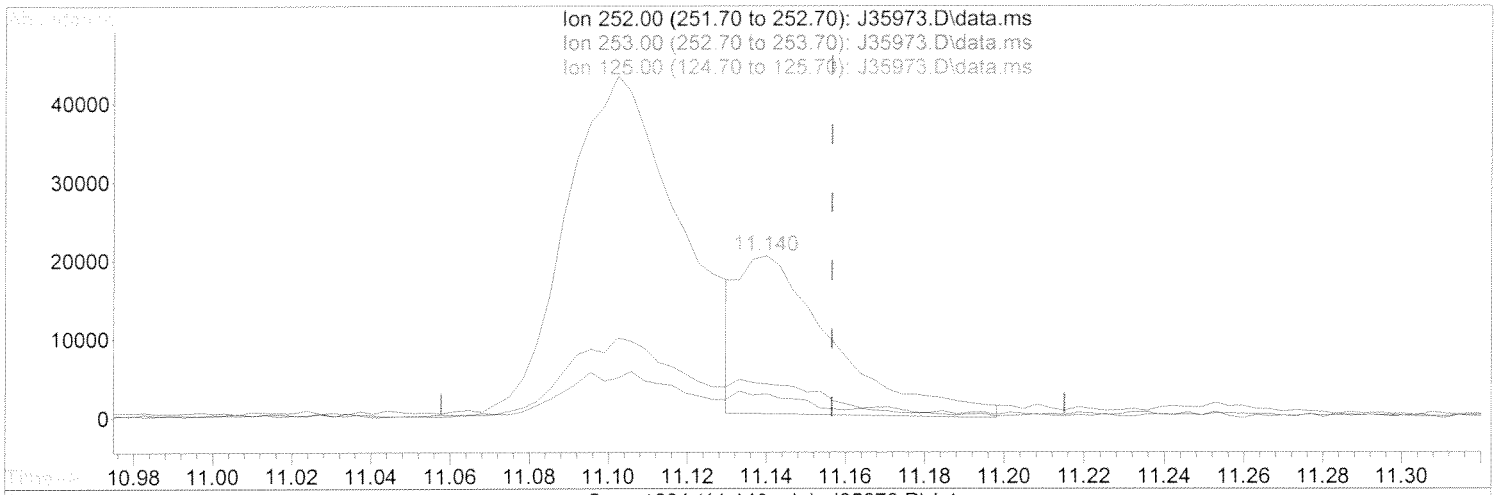
Ion	Exp%	Act%
252.00	100	100
253.00	22.70	23.07
125.00	13.70	9.76#
0.00	0.00	0.00

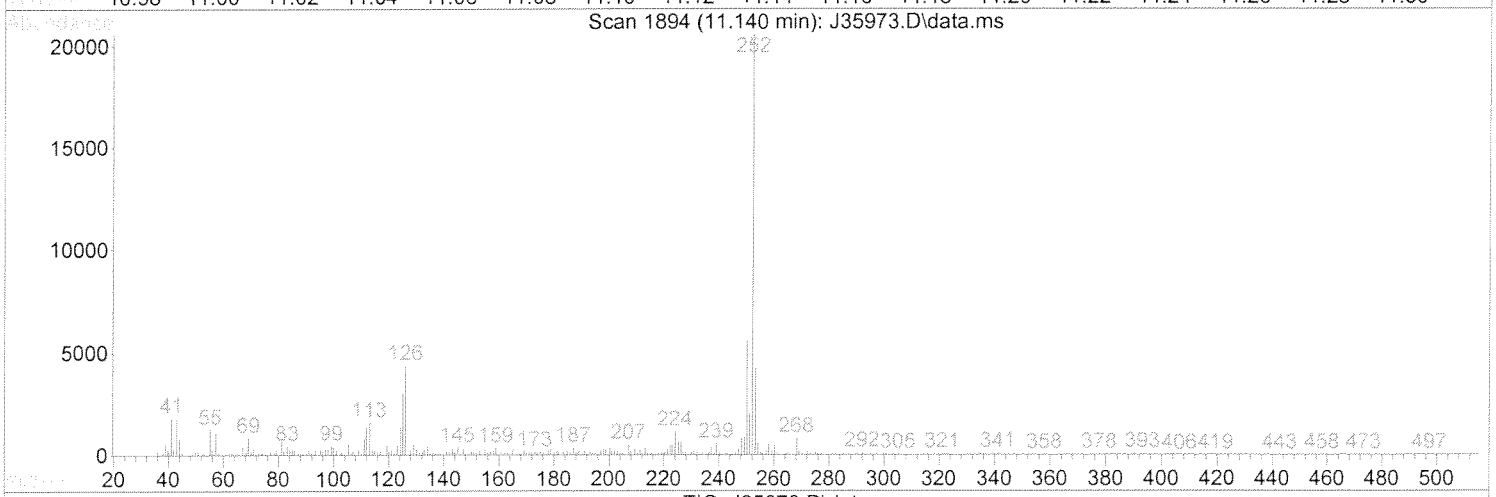
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

J92310

Quant Time: Sep 23 02:20:13 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





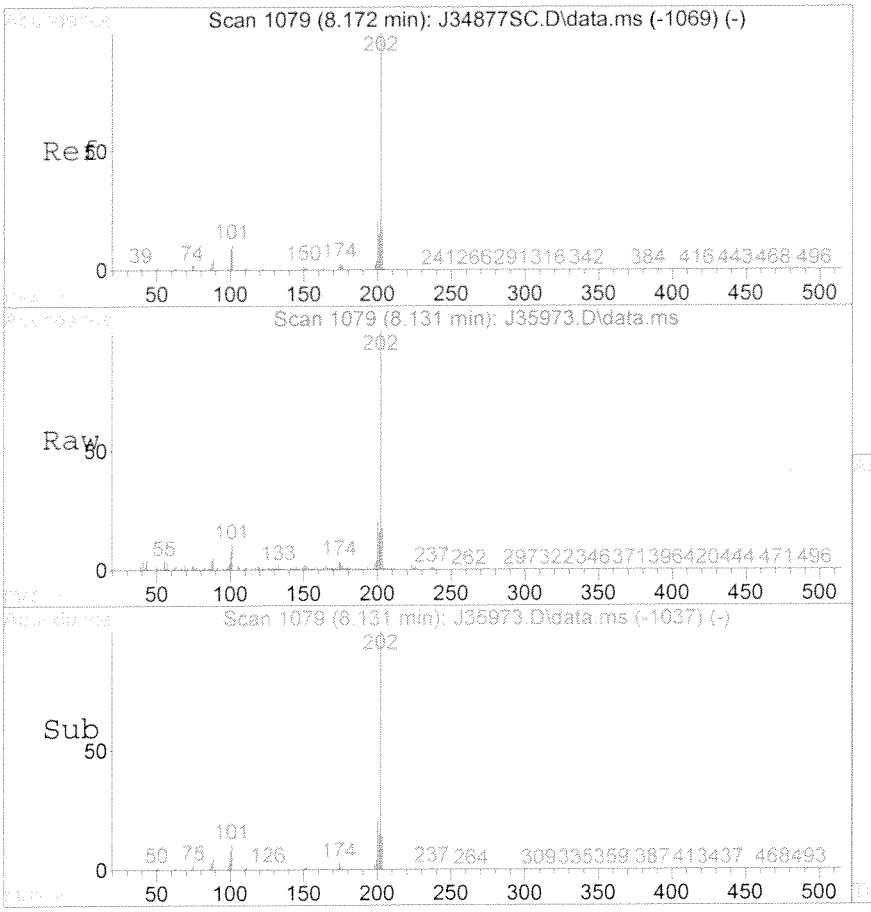
(17) Benzo[k] fluoranthene (TM)

11.140min (-0.017) 1.12ug/ml m

response 33356

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	82.44#
125.00	13.70	34.88#
0.00	0.00	0.00

9/24/10

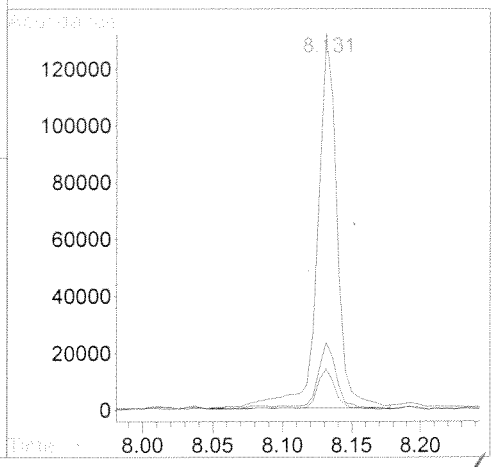


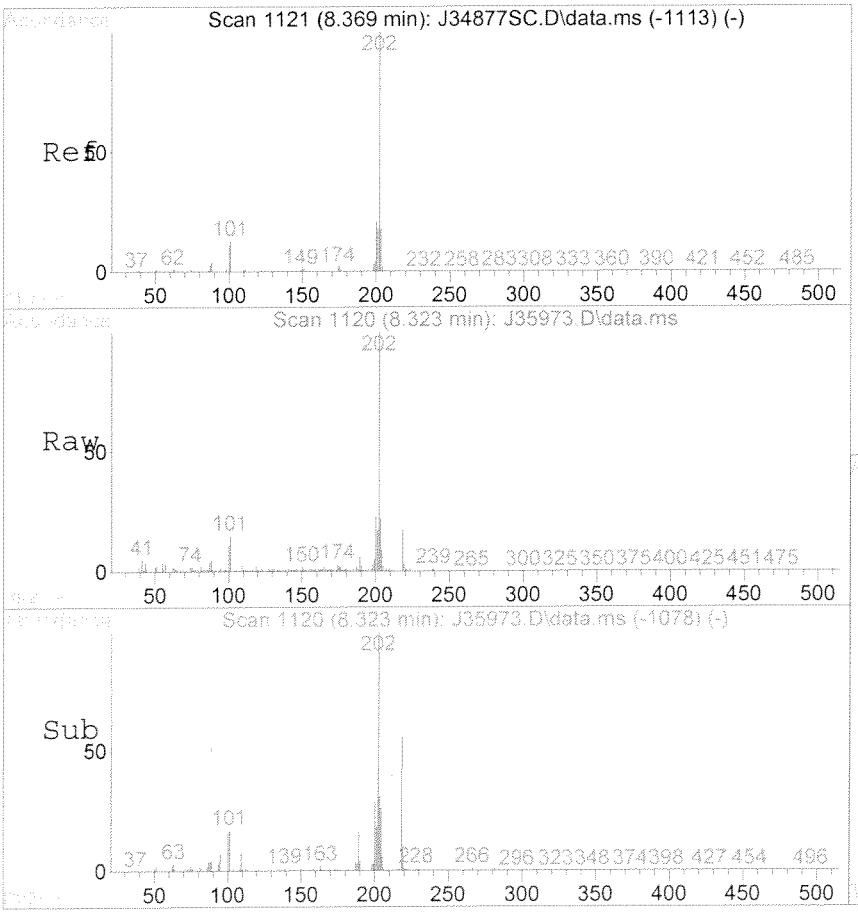
J92310

#12
Fluoranthene
Concen: 2.21 ug/ml
RT: 8.131 min Scan# 1079
Delta R.T. -0.004 min
Lab File: J35973.D
Acq: 22 Sep 2010 8:56 pm

Tgt Ion:202 Resp: 131291

Ion	Ratio	Lower	Upper
202	100		
101	10.0	9.7	14.5
203	16.2	13.8	20.6

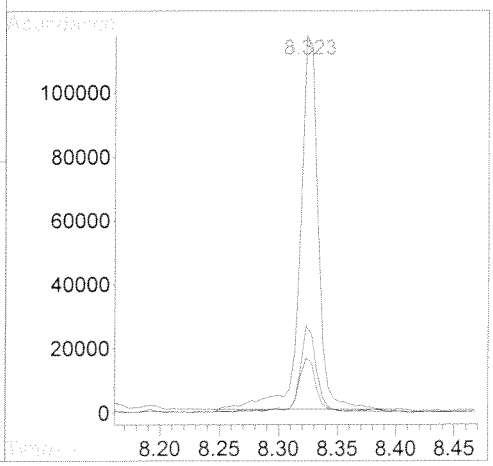




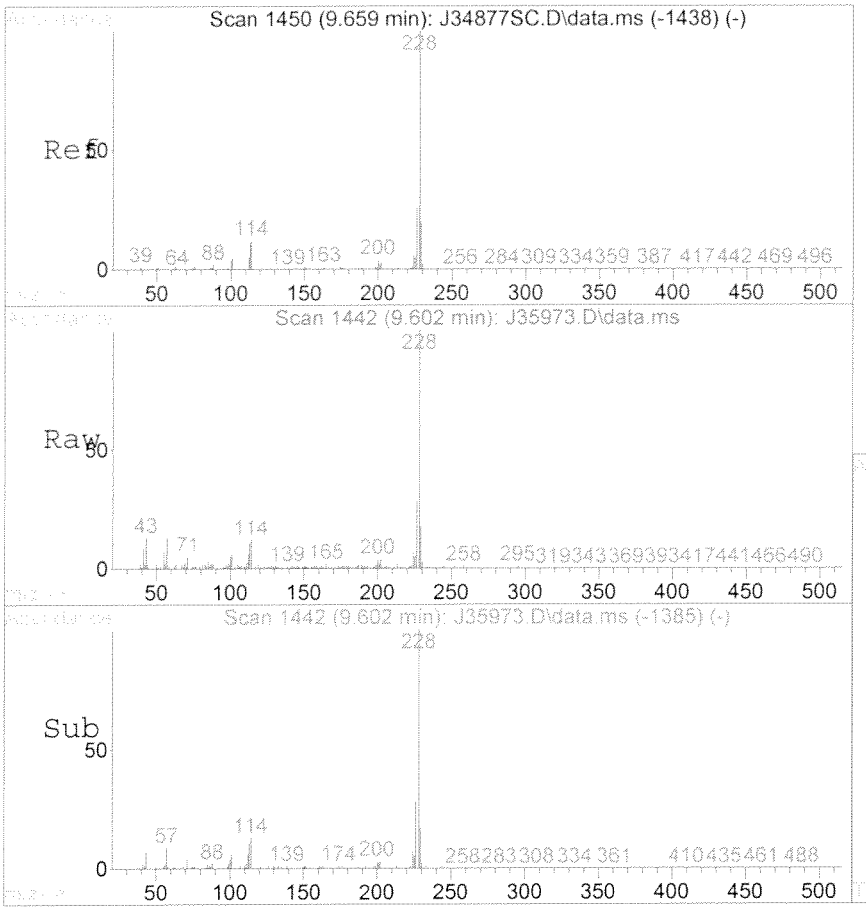
#13
Pyrene
Concen: 2.11 ug/ml
RT: 8.323 min Scan# 1120
Delta R.T. -0.004 min
Lab File: J35973.D
Acq: 22 Sep 2010 8:56 pm

Tgt Ion:202 Resp: 126079

Ion	Ratio	Lower	Upper
202	100		
101	14.4	11.5	17.3
200	19.7	16.7	25.1



9/24/10

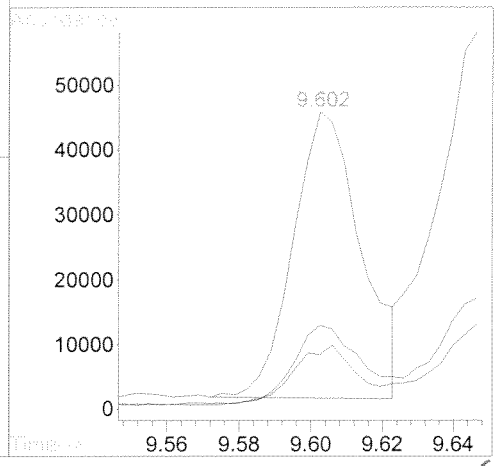


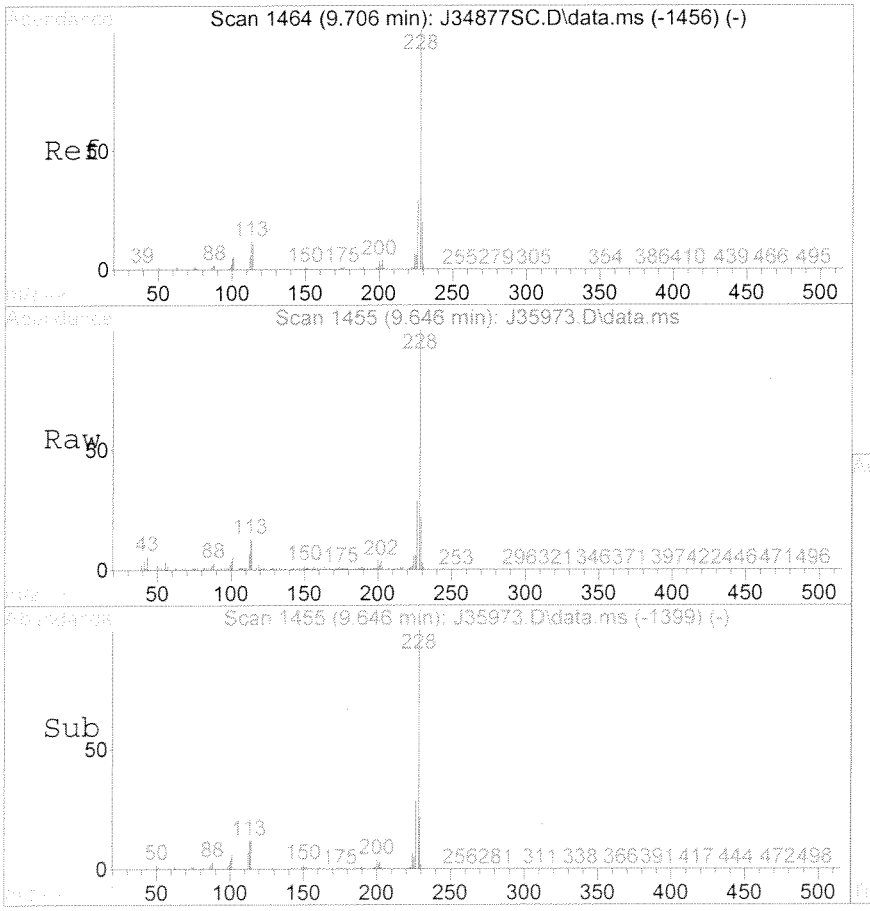
J423W

#14
Benzo[a]anthracene
Concen: 1.71 ug/ml
RT: 9.602 min Scan# 1442
Delta R.T. -0.007 min
Lab File: J35973.D
Acq: 22 Sep 2010 8:56 pm

Tgt Ion:228 Resp: 58501

Ion	Ratio	Lower	Upper
228	100		
229	19.9	14.6	21.8
226	29.7	21.5	32.3

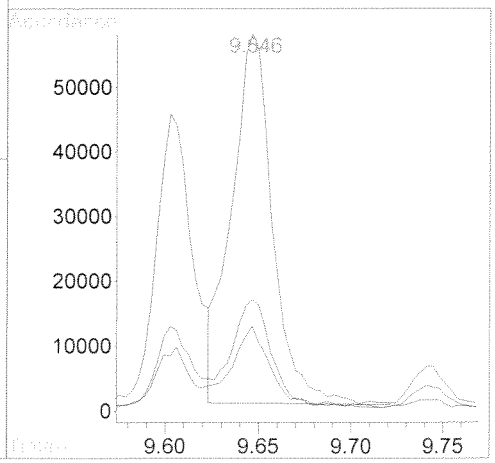




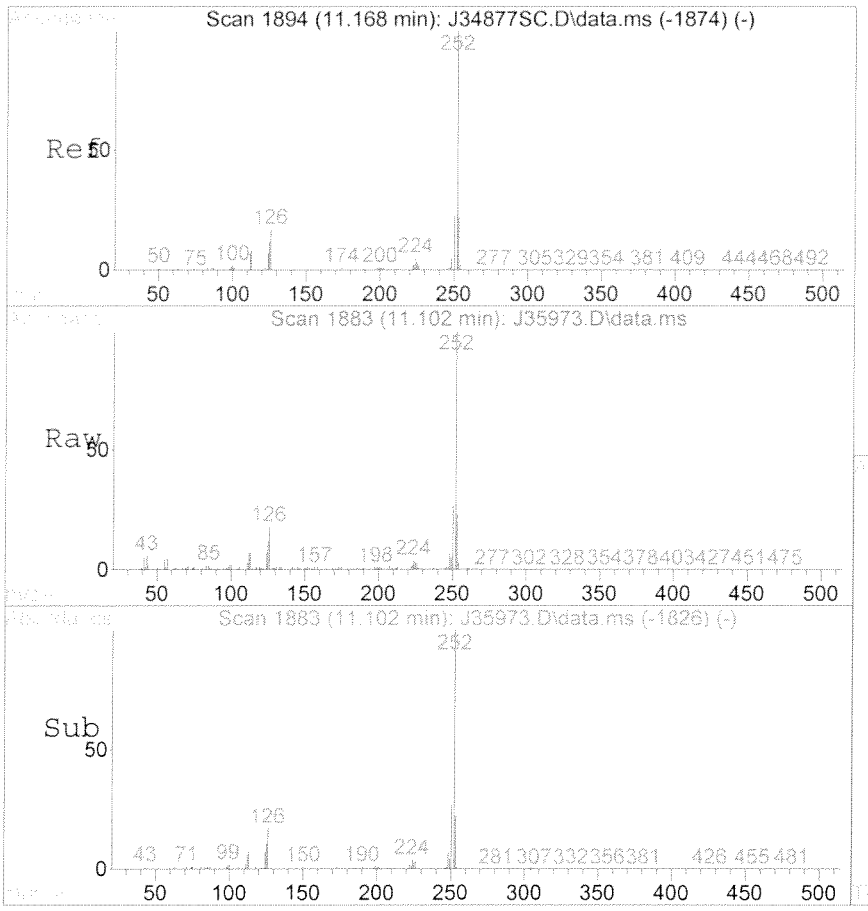
#15
Chrysene
Concen: 2.65 ug/ml
RT: 9.646 min Scan# 1455
Delta R.T. -0.010 min
Lab File: J35973.D
Acq: 22 Sep 2010 8:56 pm

Tgt Ion:228 Resp: 88383

Ion	Ratio	Lower	Upper
228	100		
226	26.3	23.4	35.0
229	20.1	15.8	23.6



JM 9/24/10

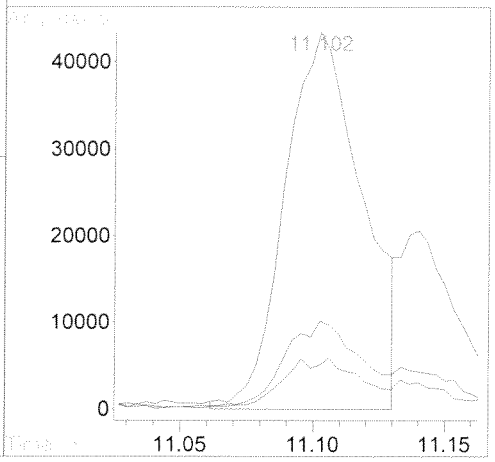


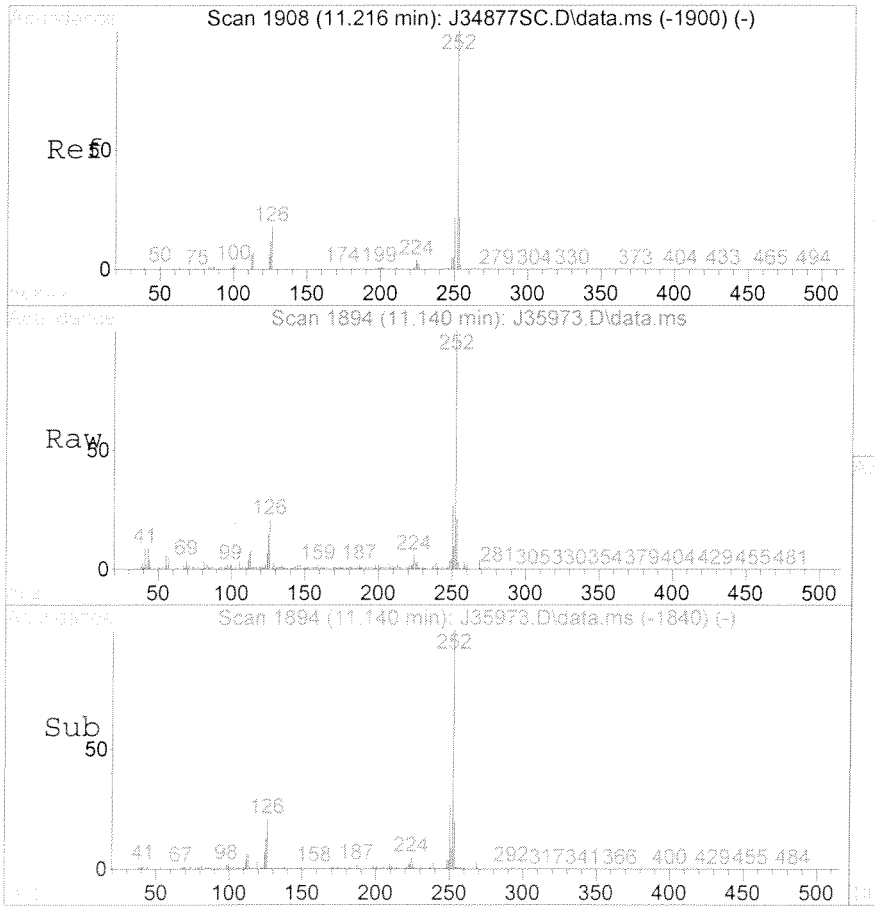
#16 J4236

Benzo[b] fluoranthene
Concen: 2.95 ug/ml m
RT: 11.102 min Scan# 1883
Delta R.T. -0.007 min
Lab File: J35973.D
Acq: 22 Sep 2010 8:56 pm

Tgt Ion:252 Resp: 88395

Ion	Ratio	Lower	Upper
252	100		
253	31.1	16.9	25.3#
125	13.2	10.2	15.2



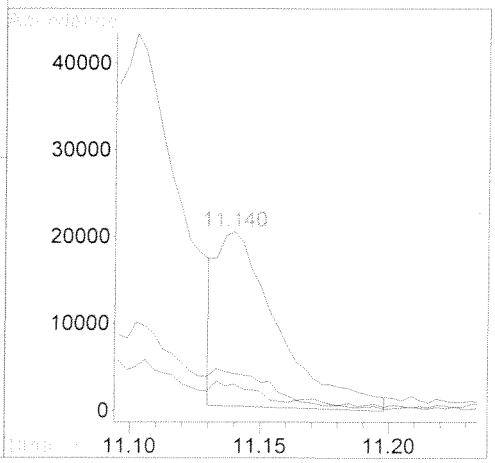


#17

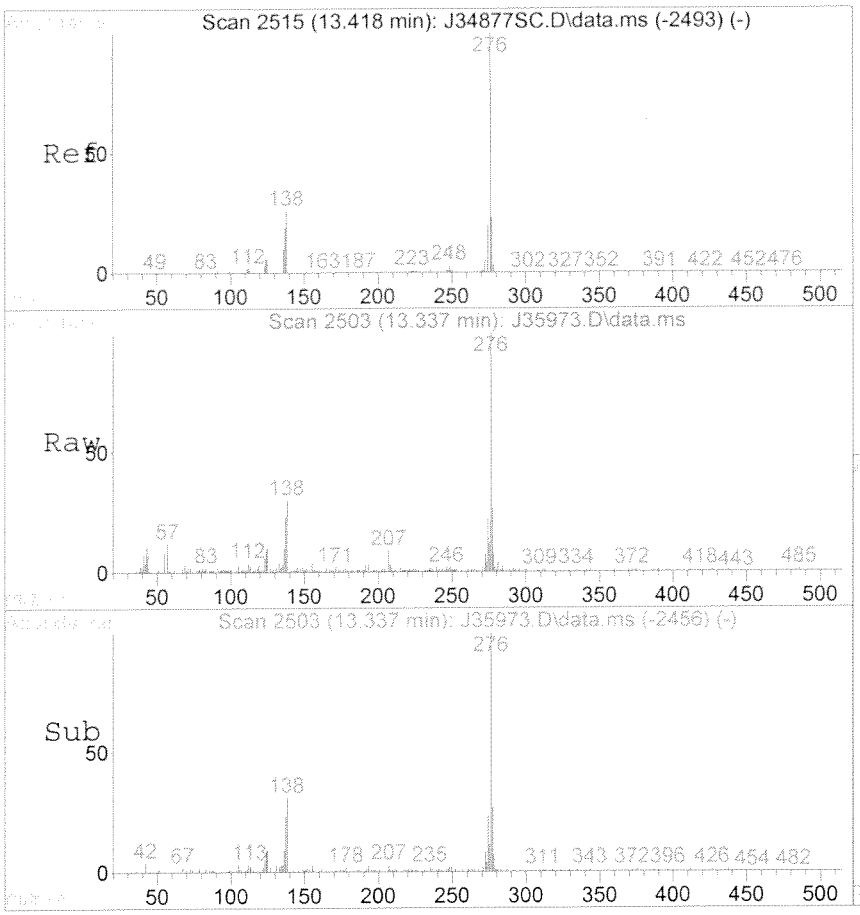
Benzo[k] fluoranthene
Concen: 1.12 ug/ml m
RT: 11.140 min Scan# 1894
Delta R.T. -0.017 min
Lab File: J35973.D
Acq: 22 Sep 2010 8:56 pm

Tgt Ion:252 Resp: 33356

Ion	Ratio	Lower	Upper
252	100		
253	82.4	18.2	27.2#
125	34.9	11.0	16.4#



9/24/10



#19 J123W

Indeno [1,2,3-cd] pyrene

Concen: 1.15 ug/ml

RT: 13.337 min Scan# 2503

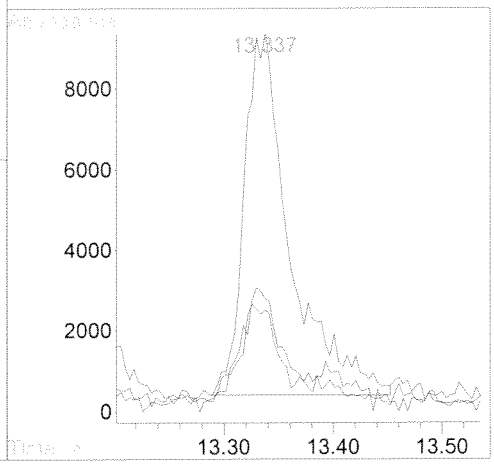
Delta R.T. -0.015 min

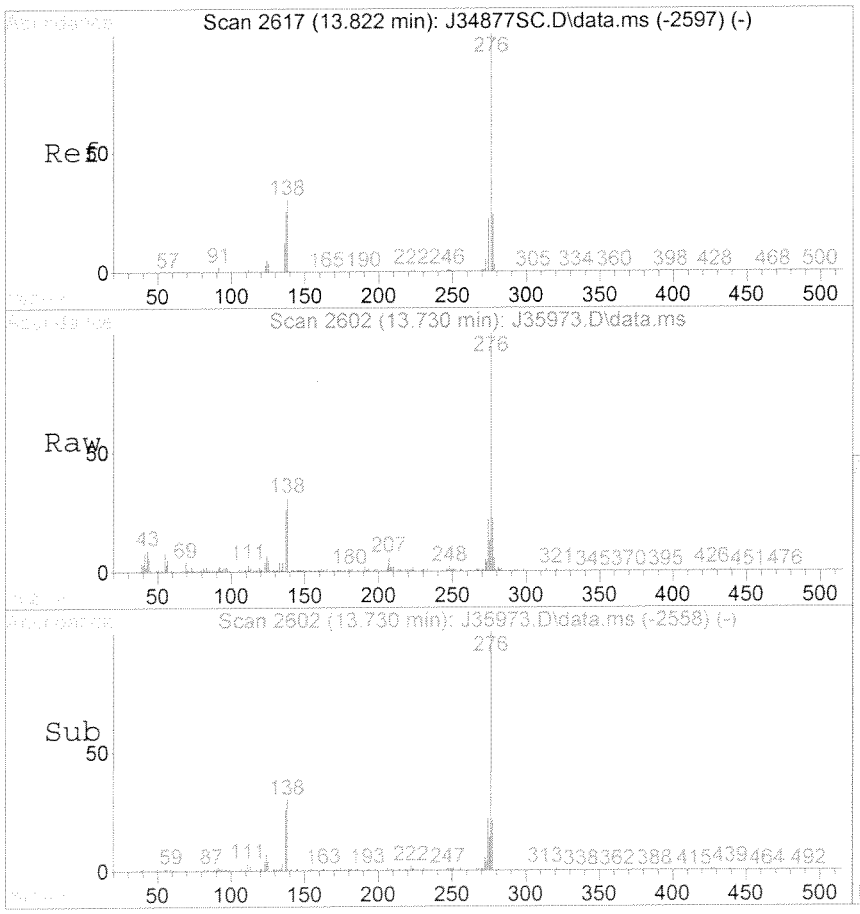
Lab File: J35973.D

Acq: 22 Sep 2010 8:56 pm

Tgt Ion:276 Resp: 26317

Ion	Ratio	Lower	Upper
276	100		
138	28.1	24.2	36.2
277	28.8	19.0	28.4#





#21

Benzo(g,h,i) perylene

Concen: 1.33 ug/ml

RT: 13.730 min Scan# 2602

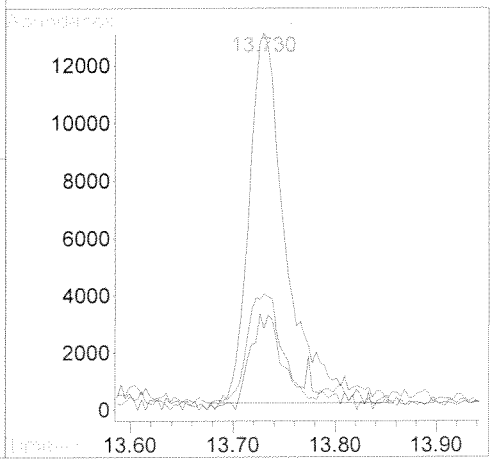
Delta R.T. -0.027 min

Lab File: J35973.D

Acq: 22 Sep 2010 8:56 pm

Tgt Ion:276 Resp: 33082

Ion	Ratio	Lower	Upper
276	100		
138	31.2	26.1	39.1
277	23.9	19.0	28.6



9/24/10

Quantitation Report (Not Reviewed)

Q

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

J42310

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 09:54:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.965	16111109 ✓	20.000 ug/mlm
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.435	17476131	23.345 ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	116.72% 117
10) S 2-Bromonaphthalene	5.963	13777478	22.594 ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	112.97% 113
11) S o-terphenyl	7.479	16798113	17.551 ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	87.75% 88
Target Compounds			
2) TZ Naphthalene	4.557	1042507	<MDL ug/ml
3) TZ 2-Methylnaphthalene	5.126	3537257	4.018 ug/ml
4) TZ Acenaphthylene	5.847	3446414	3.789 ug/ml
5) TZ Acenaphthene	6.008	10600530	12.194 ug/ml
6) TZ Fluorene	6.420	3886924	3.892 ug/ml
7) TZ Phenanthrene	7.190	2603618	2.205 ug/ml
8) TZ Anthracene	7.217	3764671	3.550 ug/ml
12) TZ Fluoranthene	8.133	8995844	8.870 ug/ml
13) TZ Pyrene	8.326	7846705	7.414 ug/ml
14) TZ Benzo[a]anthracene	9.605	4036634	4.829 ug/ml
15) TZ Chrysene	9.647	4006003	3.861 ug/ml
16) TZ Benzo[b] fluoranthene	11.103	3460424	4.468 ug/ml
17) TZ Benzo[k] fluoranthene	11.141	2297591	2.489 ug/ml
18) TZ Benzo[a] pyrene	11.581	1132186	1.546 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.338	893005	1.450 ug/ml
20) TZ Dibenz [a,h] anthracene	13.418	180116	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.730	1007050	1.458 ug/ml
22) XH c11-c22	12.565	621422821	782.354 ug/ml ✓

(f)=RT Delta > 1/2 Window

(m)=manual int.

9/24/10

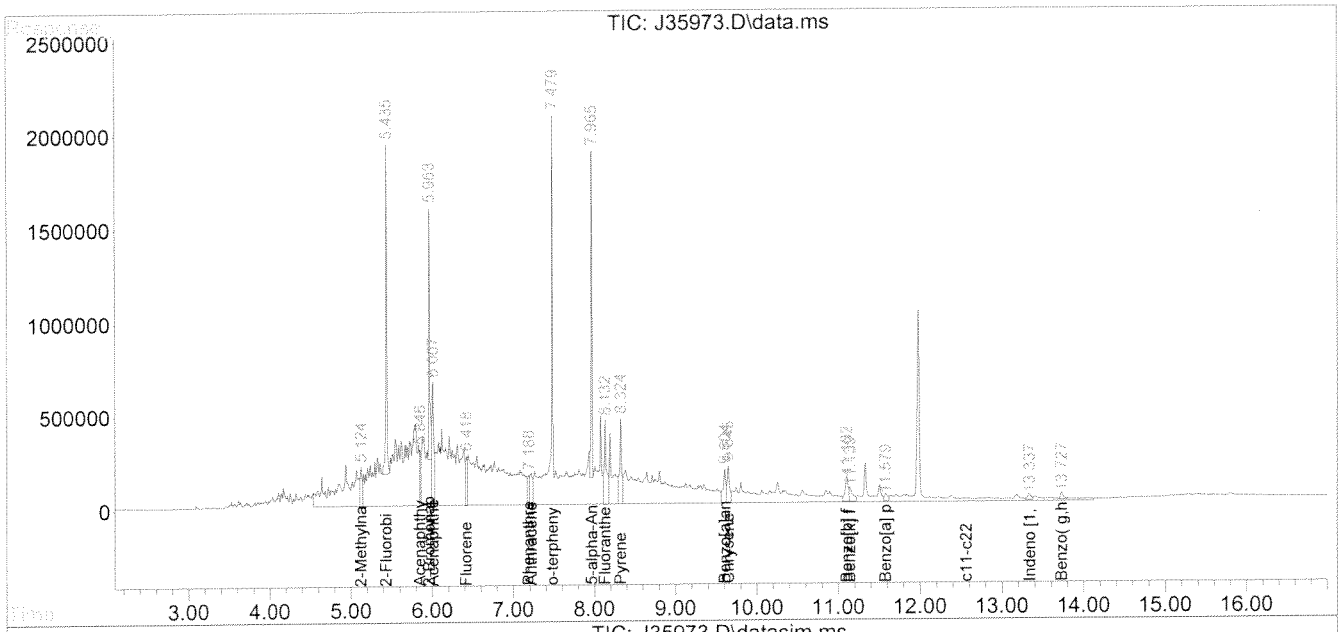
15:055

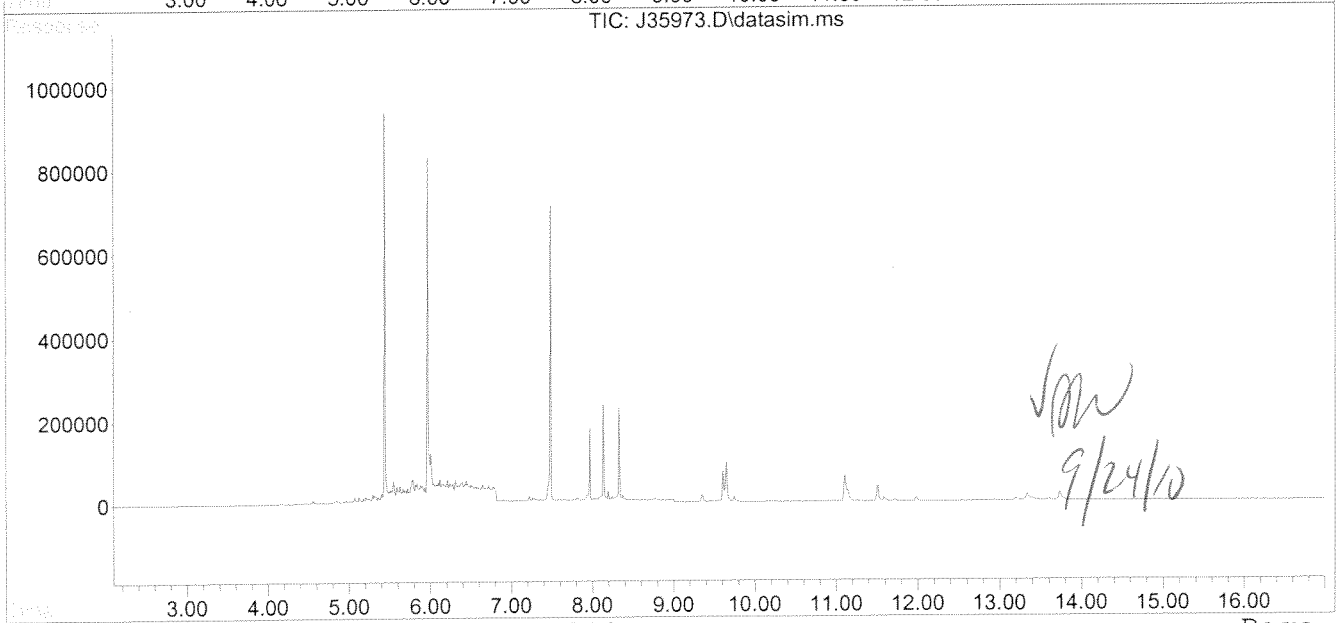
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 09:54:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/24/10

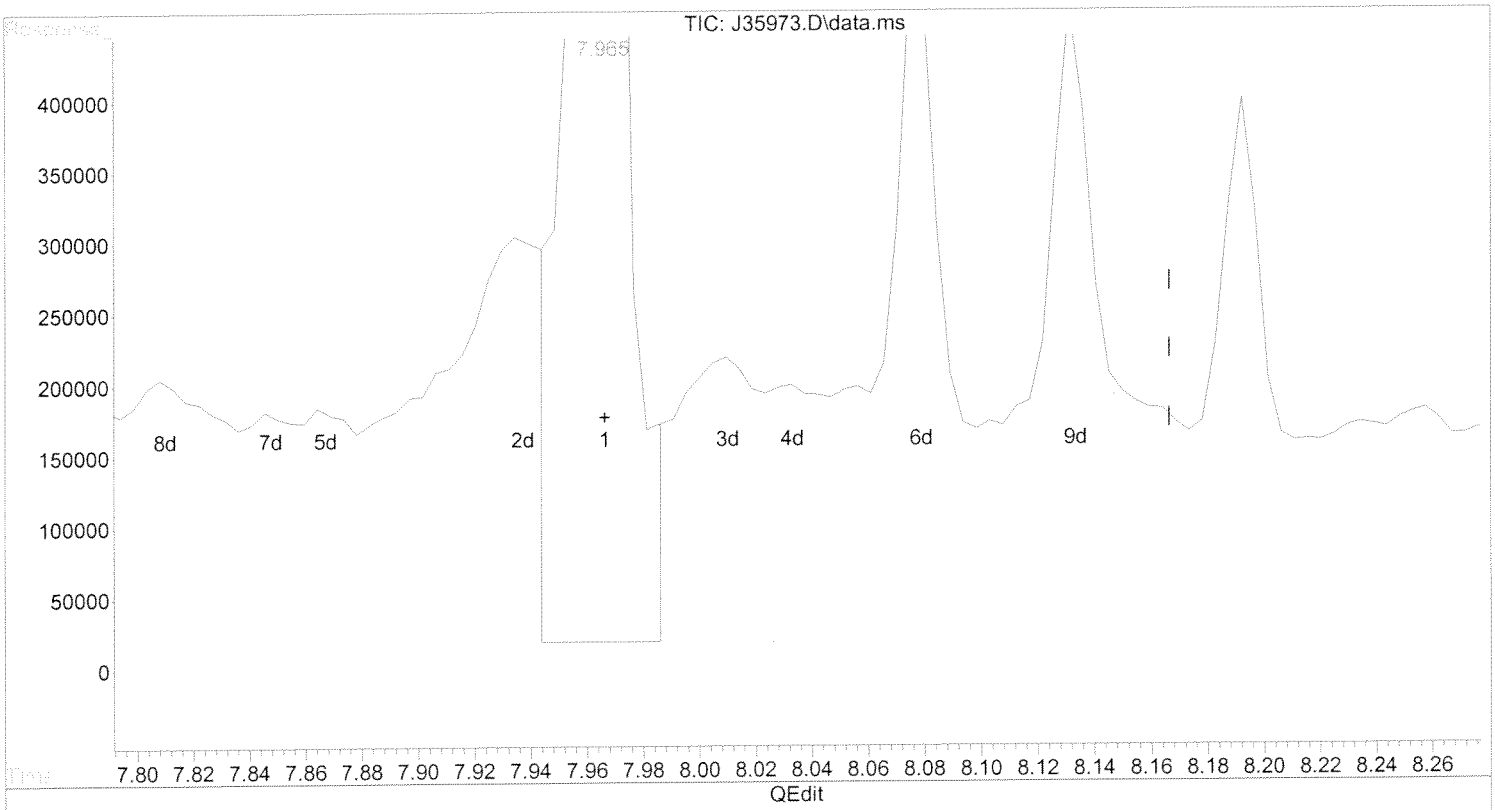
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

J42360
EA

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:28 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(1) 5-alpha-Androstane (I)
7.966min 20.000ug/ml
response 19880242

JM
9/24/10

(+) = Expected Retention Time

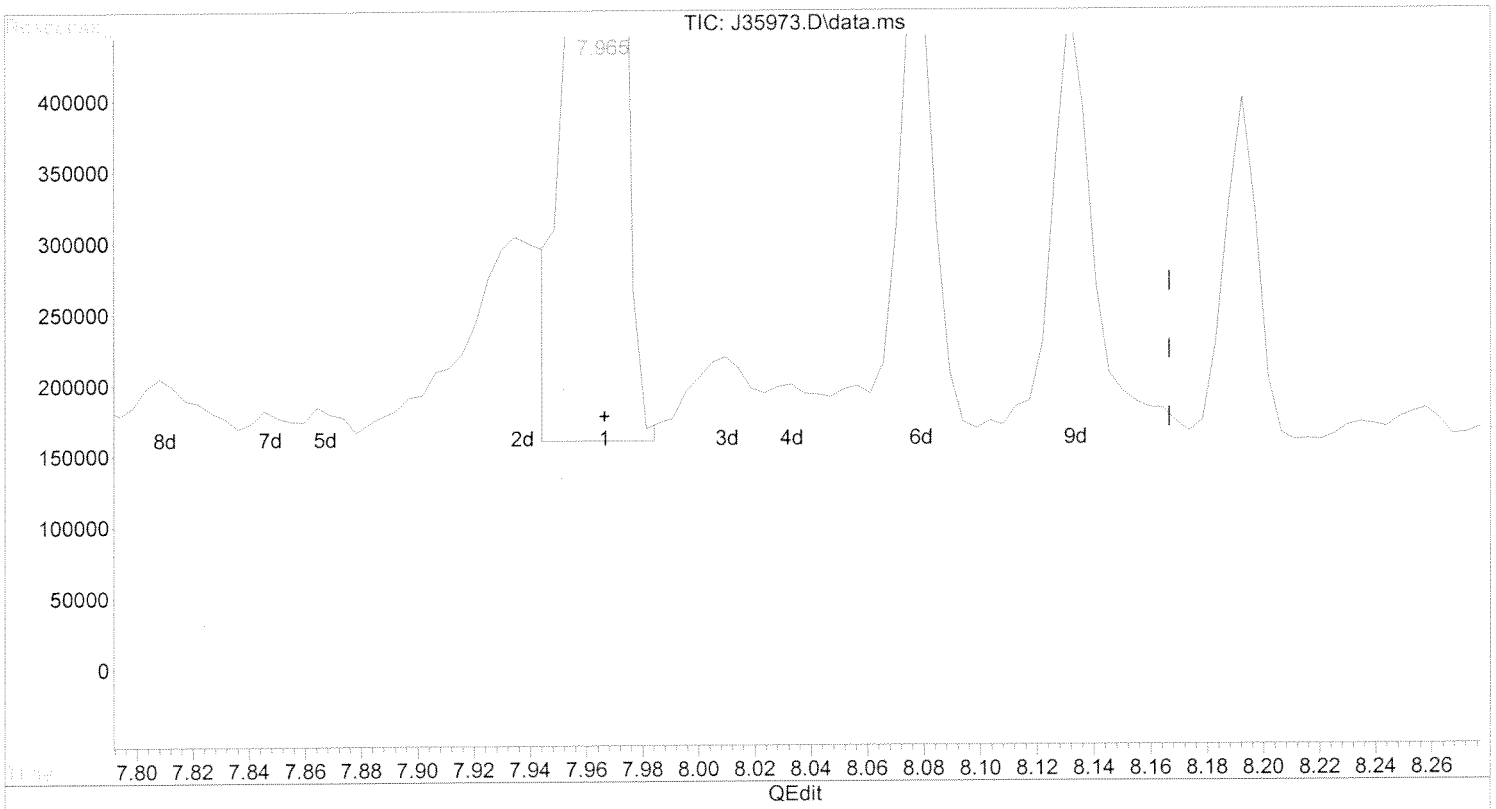
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

J92310

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:28 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(1) 5-alpha-Androstane (I)
7.965min 20.000ug/ml m
response 16111109

9/24/10

(+) = Expected Retention Time

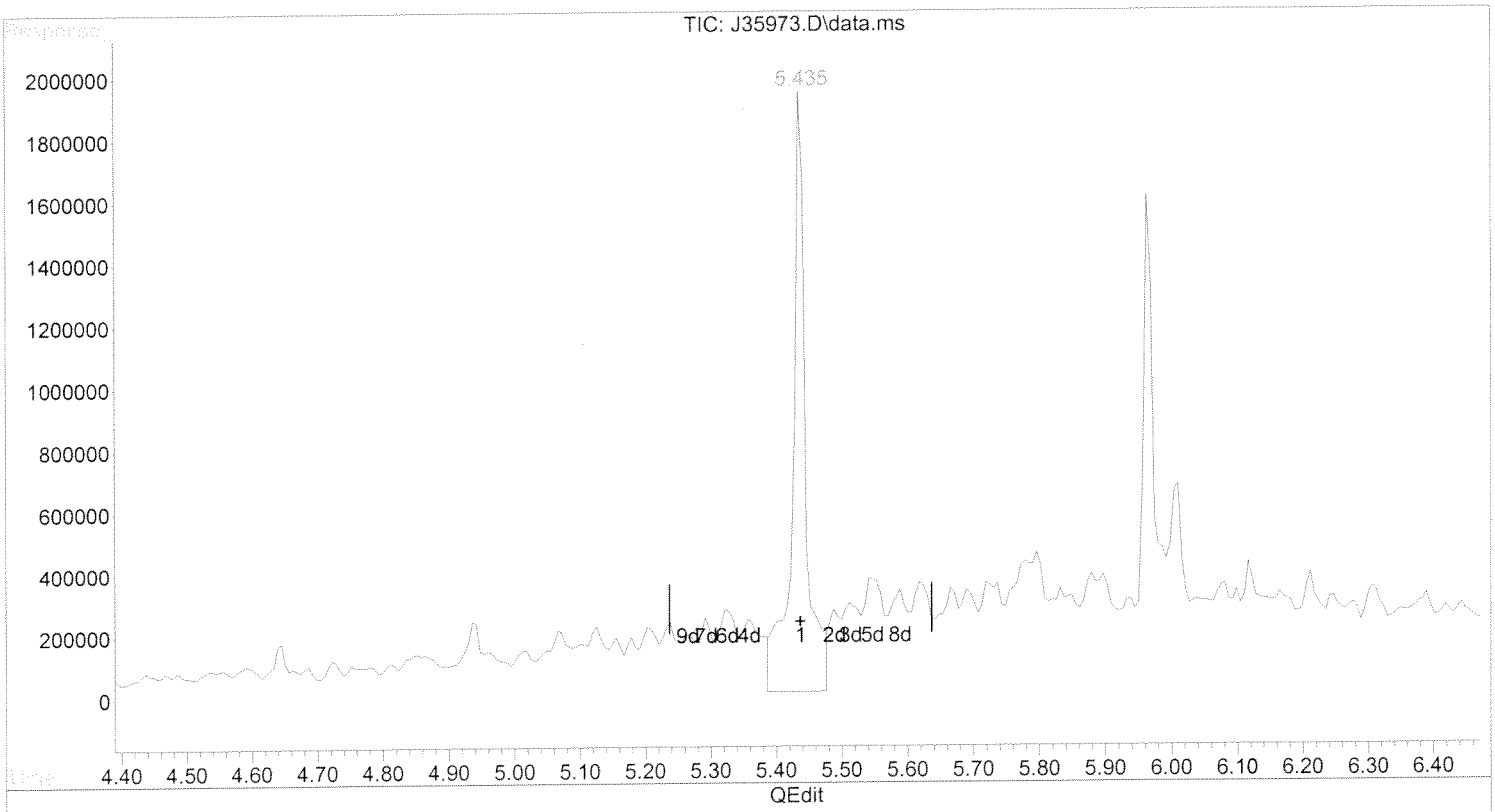
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

J92310
EA

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:28 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2-Fluorobiphenyl (S)
5.437min 40.141ug/ml
response 26988419

9/24/10

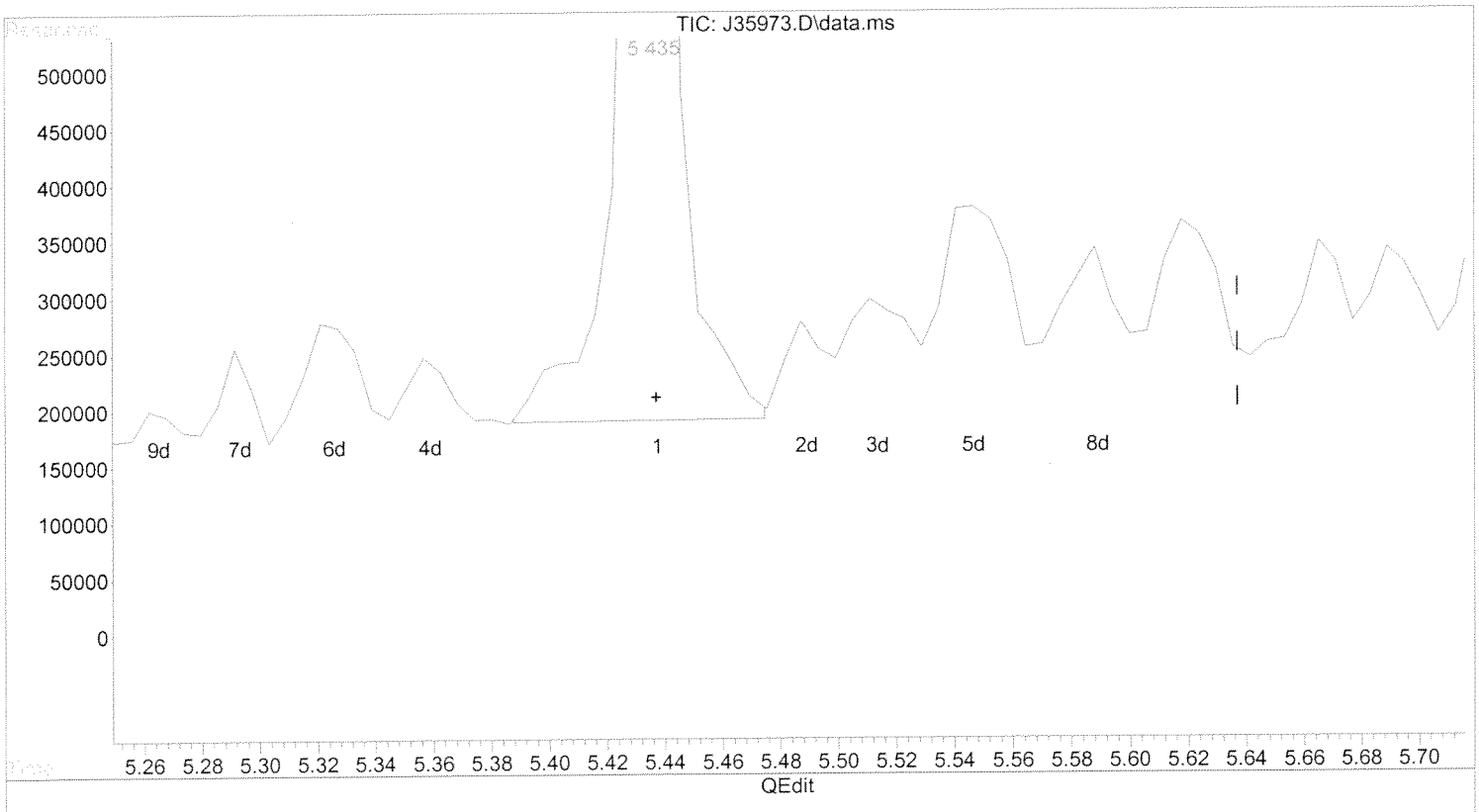
(+) = Expected Retention Time
ARG092110.M Thu Sep 23 09:54:30 2010

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:28 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2-Fluorobiphenyl (S)
5.435min 23.345ug/ml m
response 17476131

(+) = Expected Retention Time

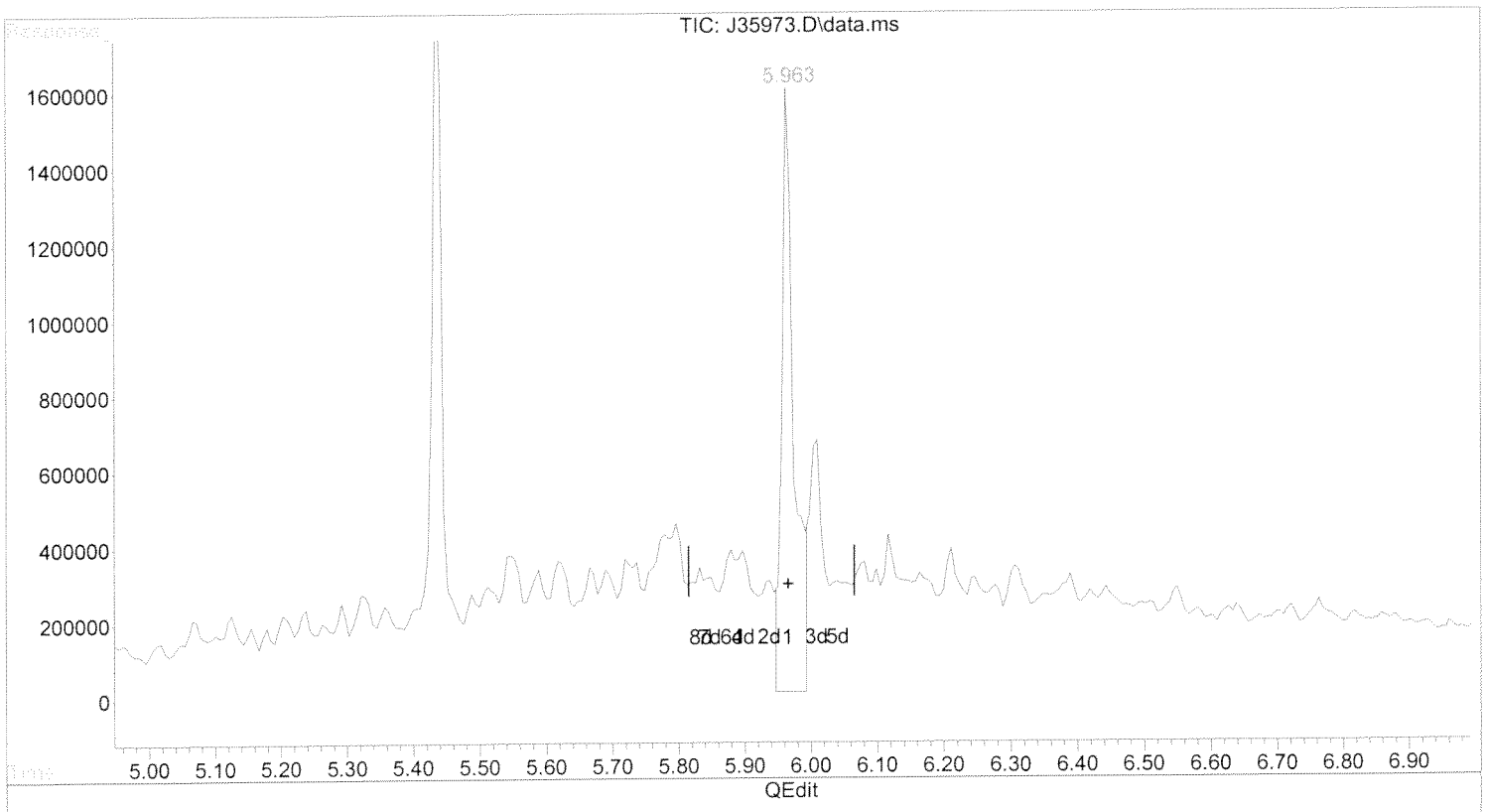
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

J92310
JA

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:28 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) 2-Bromonaphthalene (S)
5.965min 32.993ug/ml
response 20118456

JAW
9/24/10

(+) = Expected Retention Time
ARG092110.M Thu Sep 23 09:54:42 2010

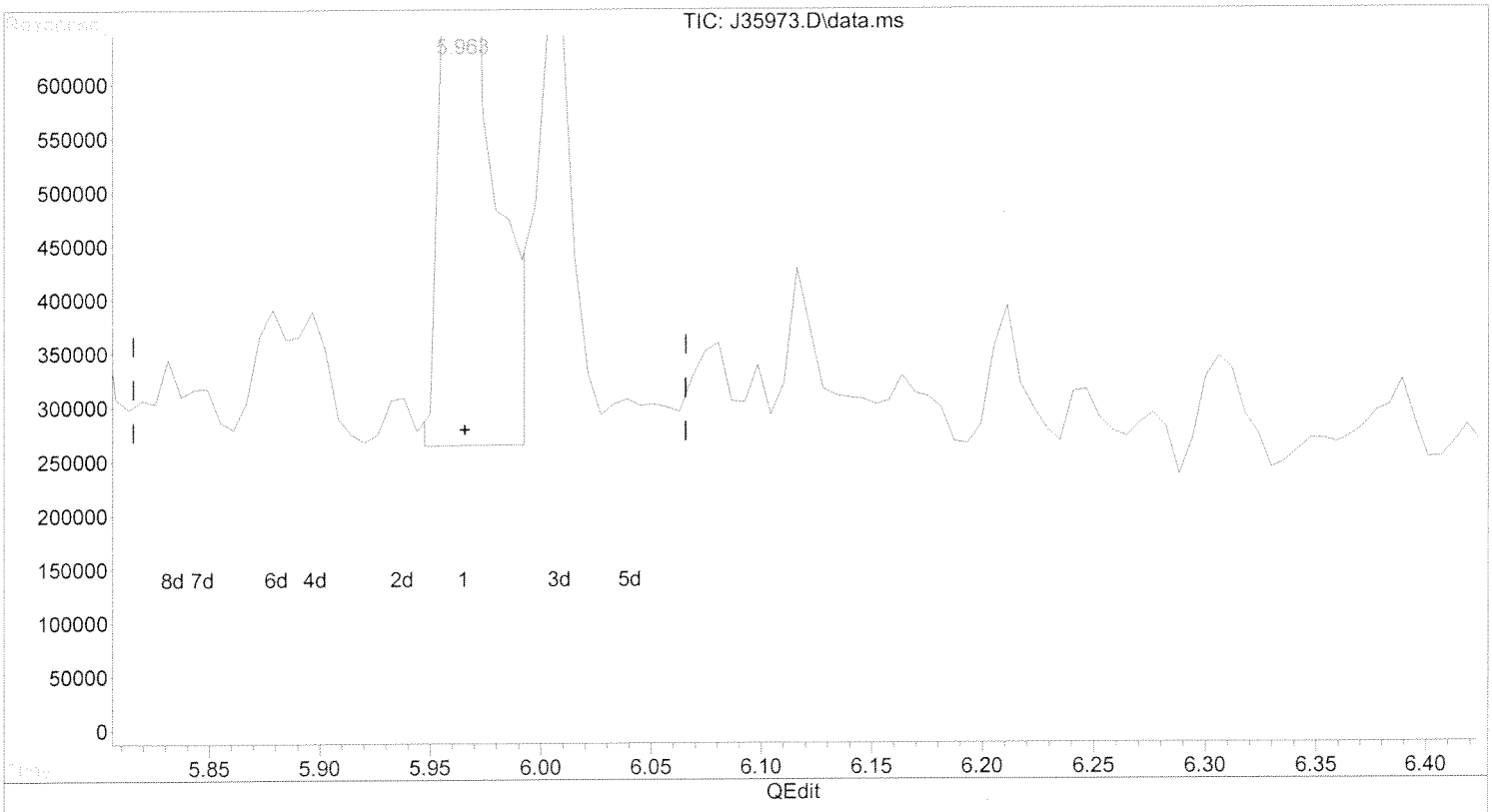
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

J42360

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:28 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) 2-Bromonaphthalene (S)
5.963min 22.594ug/ml m
response 13777478

JAM 7/24/10

(+) = Expected Retention Time

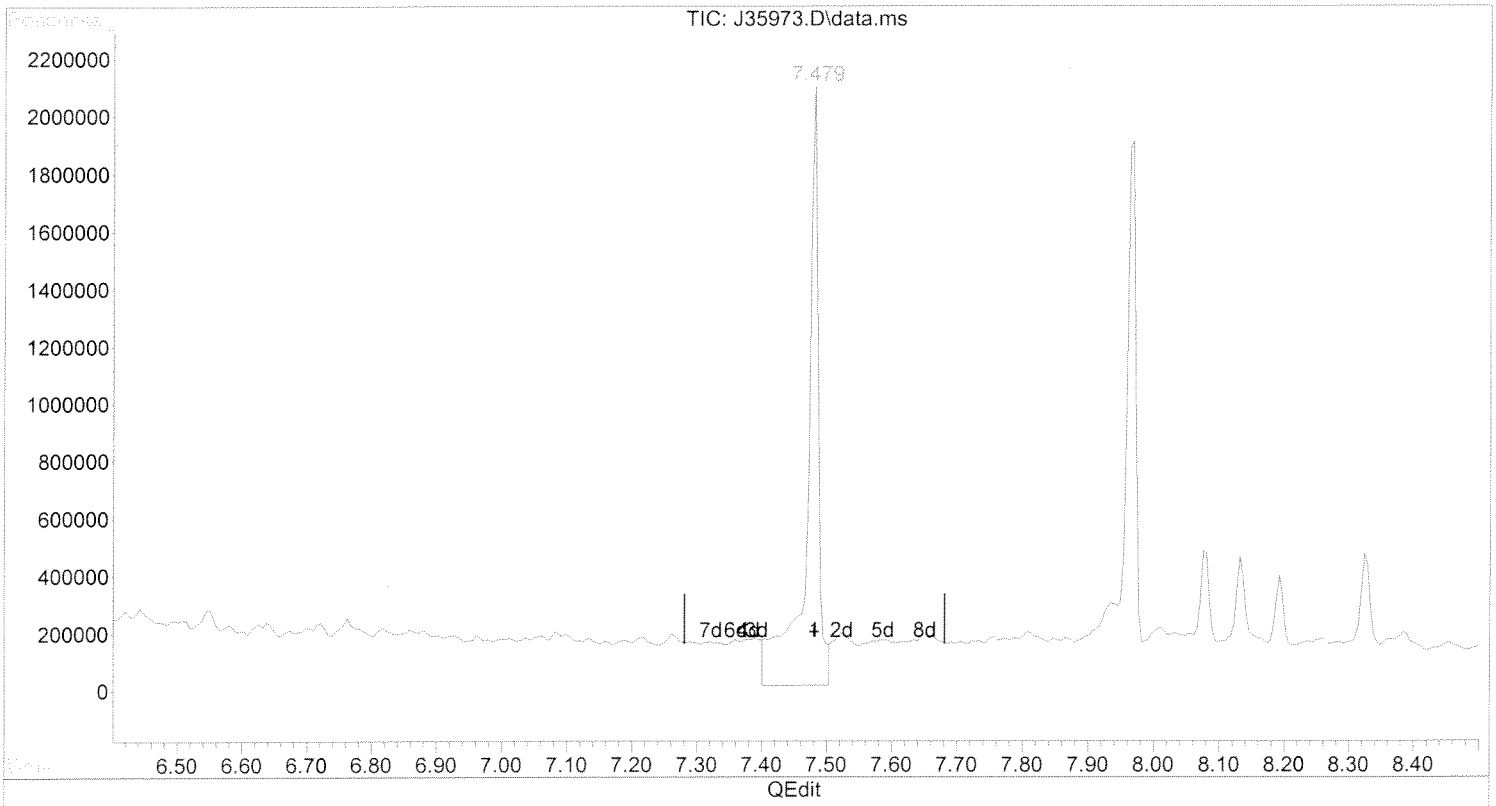
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

J92310
EM

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:28 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) o-terphenyl (S)
7.481min 30.899ug/ml
response 25944974

9/24/10

(+) = Expected Retention Time

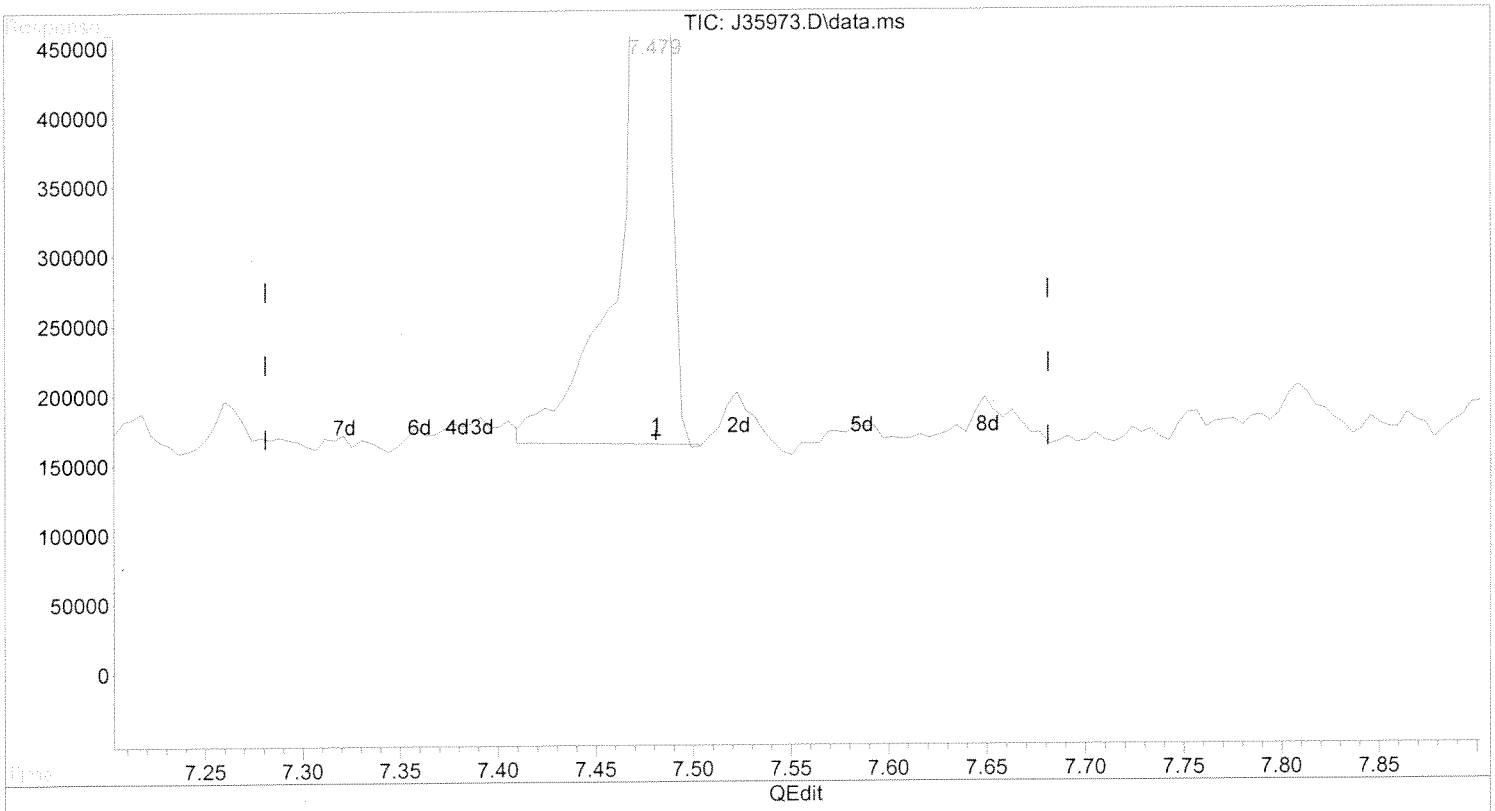
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35973.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67834-5
Misc : SOIL,ARO
ALS Vial : 49 Sample Multiplier: 1

J9236

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:28 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) o-terphenyl (S)
7.479min 17.551ug/ml m
response 16798113

9/24/10

(+) = Expected Retention Time
ARG092110.M Thu Sep 23 09:54:58 2010 Page: 1

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71791.D Vial: 46
Acq On : 22 Sep 2010 6:28 pm Operator: AR
Sample : 67834-5 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:07 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/23/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5917634	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	3580984	9.861 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	49.31%
Target Compounds			
2) TZM C-9	3.98	39534	<MDL ug/ml
3) TZM C-10	5.02	441903	1.176 ug/ml
4) TZM C-12	6.48	7202178	17.847 ug/ml
5) TZM C-14	7.66	7069083	17.080 ug/ml
6) TZM C-16	8.71	1144292	2.864 ug/ml
7) TZM C-18	9.62	2199748	5.536 ug/ml
8) XH C9-C18	7.38	1388530526	3533.764 ug/ml E
9) TZM C-19	10.00	544246	1.385 ug/ml
10) TZM C-20	10.45	128146	<MDL ug/ml
12) TZM C-22	11.42	302987	<MDL ug/ml
13) TZM C-24	12.69	245124	<MDL ug/ml
14) TZM C-26	14.16	843940	2.487 ug/ml
15) TZM C-28	15.69	300949	1.011 ug/ml
16) TZM C-30	17.23	55339	<MDL ug/ml
17) TZM C-36	21.25	68532	4.360 ug/ml
18) XH C19-C36	11.90	252483264	774.430 ug/ml

18.372/33.560
592360

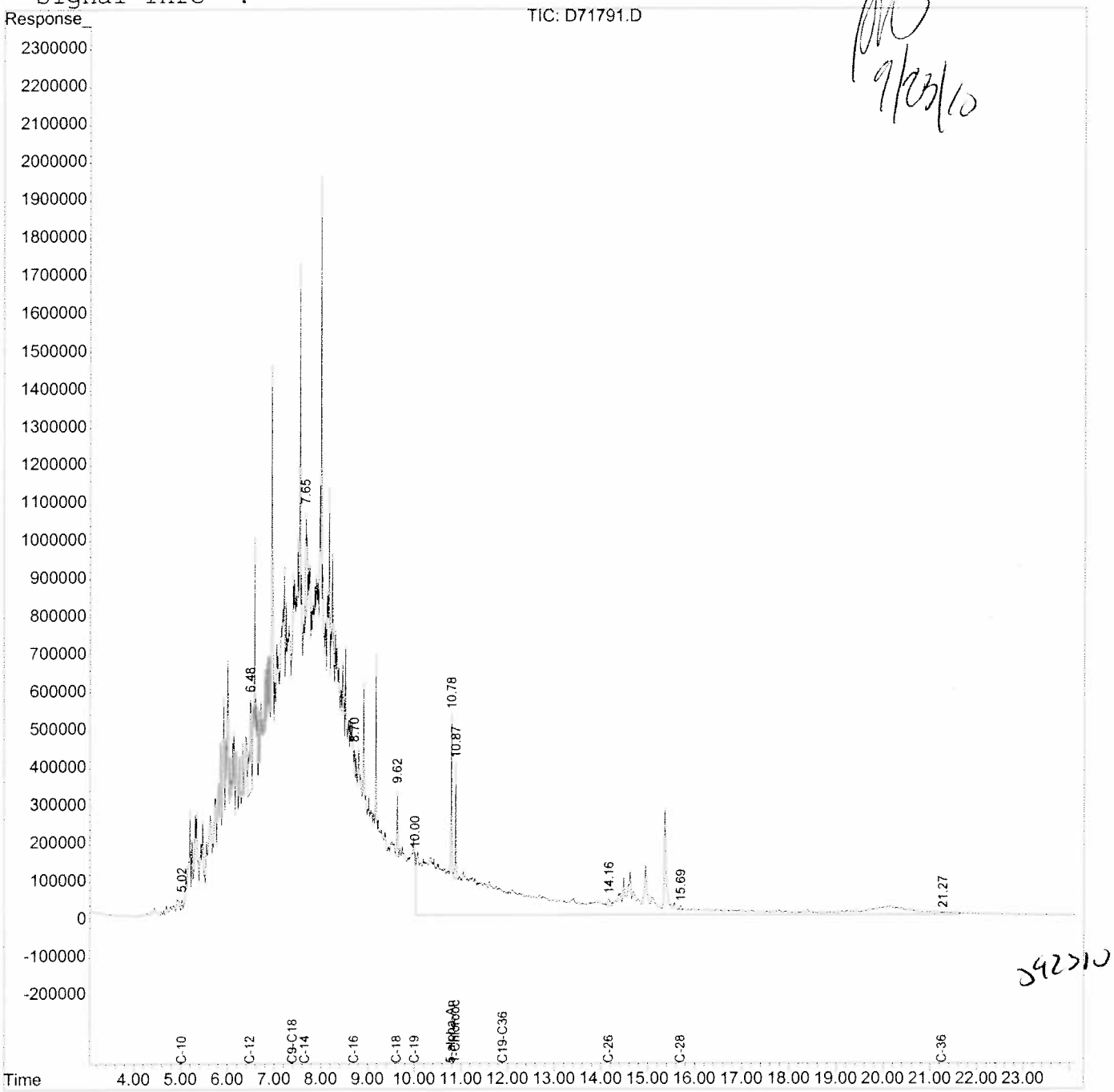
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71791.D Vial: 46
Acq On : 22 Sep 2010 6:28 pm Operator: AR
Sample : 67834-5 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:07 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



9/23/10

092310

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-B-5

SAMPLE DATA

Lab Sample ID: 67834-5 DL
Matrix: Solid
Percent Solid: 87
Dilution Factor: 11
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	RL	Units	Result
Unadjusted C11-C22 Aromatics[1]	300000	µg/kg	NR
C9-C18 Aliphatic Hydrocarbons[1]	300000	µg/kg	**656000**
C19-C36 Aliphatic Hydrocarbons[1]	300000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]	300000	µg/kg	NR
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)			55
Aromatic Surrogate % Recovery (O-Terphenyl)			NR
Sample Surrogate Acceptance Range	--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)			NA
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)			NA
Fractionation Surrogate Acceptance Range	--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank NA=Not analyzed

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis. NR= Not reported see undiluted analysis

SIGNATURE: Mfulbull

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67834-5 DL

Dilution Factors	ARO	1.122501		ALI 11.2250075
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	NA	~~114722~~		~~29933~~
Naphthalene		U		299
2-Methylnaphthalene		U		299
Phenanthrene		U		299
Acenaphthene		U		299
Acenaphthylene		U		299
Fluorene		U		299
Anthracene		U		299
Fluoranthene		330		299
Pyrene		316		299
Benzo[a]anthracene		256	J	299
Chrysene		396		299
Benzo[b] fluoranthene		441		299
Benzo[k] fluoranthene		168	J	299
Benzo[a] pyrene		U		299
Indeno [1,2,3-cd] pyrene		172	J	299
Dibenz [a,h] anthracene		U		299
Benzo(g,h,i) perylene		~~199~~	~~J~~	~~299~~
C9-C18 Aliphatics		656560		299334
C19-C36 Aliphatics		U		299334
C11-C22 Aromatics		~~113377~~ N/A		29933
1-Chlorooctadecane (Ali)		55%	40-140%	PASS
o-terphenyl (Aro)		84% NA	40-140%	PASS
2-Fluorobiphenyl (Fraction)		97%	40-140%	PASS
2-Bromonaphthalene (Fraction)		87%	40-140%	PASS

MJ 9-23-10

JG 9-23-10
Report Aliphatic Reassay

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35973.D	---------
Date Acquired	9/22/2010 20:56	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.30**	15.30
% Solid (divided by 100)	**0.8734**	0.8734
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**10**
Calculation Factor	149.6668	1496.6677

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-150	Quadratic
2-Methylnaphthalene	-1.00	-150	Quadratic
Acenaphthylene	-1.00	-150	Quadratic
Acenaphthene	-1.00	-150	Quadratic
Fluorene	-1.00	-150	Quadratic
Phenanthrene	-1.00	-150	Quadratic
Anthracene	-1.00	-150	Quadratic
Fluoranthene	2.21	330	Quadratic
Pyrene	2.11	316	Quadratic
Benzo[a]anthracene	1.71	256	Avg RF
Chrysene	2.65	396	Avg RF
Benzo[b] fluoranthene	2.95	441	Avg RF
Benzo[k] fluoranthene	1.12	168	Avg RF
Benzo[a] pyrene	0.49	74	Avg RF
Indeno [1,2,3-cd] pyrene	1.15	172	Avg RF
Dibenz [a,h] anthracene	0.27	40	Avg RF
Benzo(g,h,i) perylene	1.33	199	Avg RF
C11-C22	**782.354**	114722	
ARO Hexane Blank	**15.835**		
Adjusted C11-C22		113377	
ALIPHATICS			
C9-C18	**455.663**	656560	
C9-C18 Hexane Blank	**16.982**		
C19-C36	**101.025**	97900	
C19-C36 Hexane Blank	**35.613**		
Surrogates			
1-Chlorooctadecane (Ali)	**1.107**	55%	
2-Fluorobiphenyl (Fraction)	19.41	97%	
2-Bromonaphthalene (Fraction)	17.33	87%	
o-terphenyl (Aro)	16.82	84%	

JM 9/24/10

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71813.D
Acq On : 23 Sep 2010 6:00 am
Sample : 67834-5,DL
Misc : SOIL,ALI,1:10
IntFile : EVENTS.E
Quant Time: Sep 23 10:52 2010 Quant Results File: ALG80410.RES

Vial: 62
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.77	5320672	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	361470	1.107 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	5.53%#
Target Compounds			
2) TZM C-9	3.97	32136	<MDL ug/ml
3) TZM C-10	5.02	51349	<MDL ug/ml
4) TZM C-12	6.47	2446385	6.742 ug/ml
5) TZM C-14	7.70	3534223	9.497 ug/ml
6) TZM C-16	8.70	1643739	4.576 ug/ml
7) TZM C-18	9.61	430832	1.206 ug/ml
8) XH C9-C18	7.38	160982986	455.663 ug/ml
9) TZM C-19	10.06	136301	<MDL ug/ml
12) TZM C-22	11.41	31918	<MDL ug/ml
13) TZM C-24	12.73	43113	<MDL ug/ml
14) TZM C-26	14.14	184655	<MDL ug/ml
15) TZM C-28	15.68	79409	<MDL ug/ml
16) TZM C-30	17.18	59380	<MDL ug/ml
17) TZM C-36	21.19	62501	4.365 ug/ml
18) XH C19-C36	11.90	29614174	101.025 ug/ml

X 10

55

16.982/35.613

9/24/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

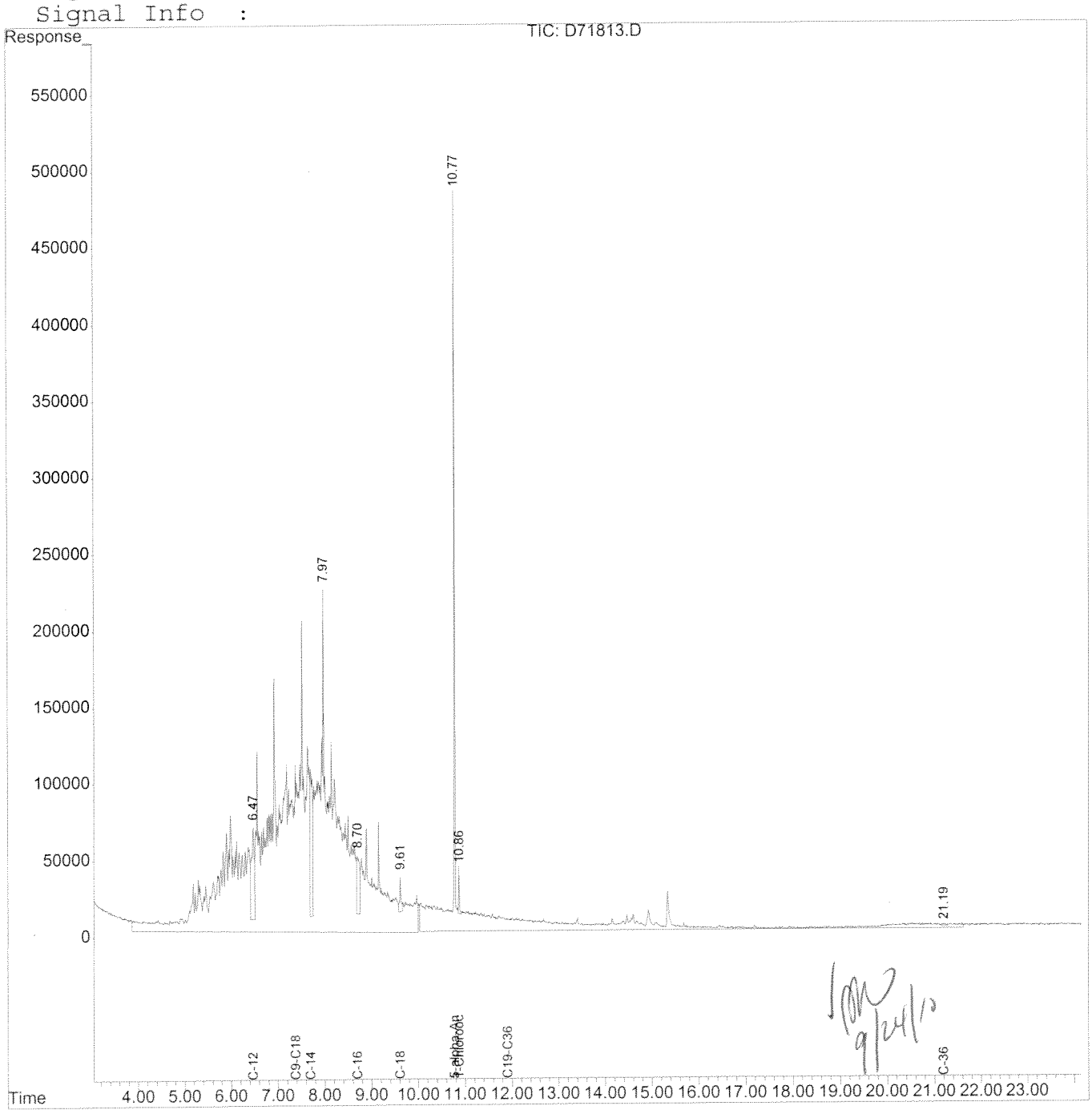
Data File : D:\HPCHEM\1\DATA\092110-D\D71813.D
Acq On : 23 Sep 2010 6:00 am
Sample : 67834-5,DL
Misc : SOIL,ALI,1:10
IntFile : EVENTS.E
Quant Time: Sep 23 10:52 2010 Quant Results File: ALG80410.RES

Vial: 62
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

JG-23W

Volume Inj. :
Signal Phase :
Signal Info :



9/24/10

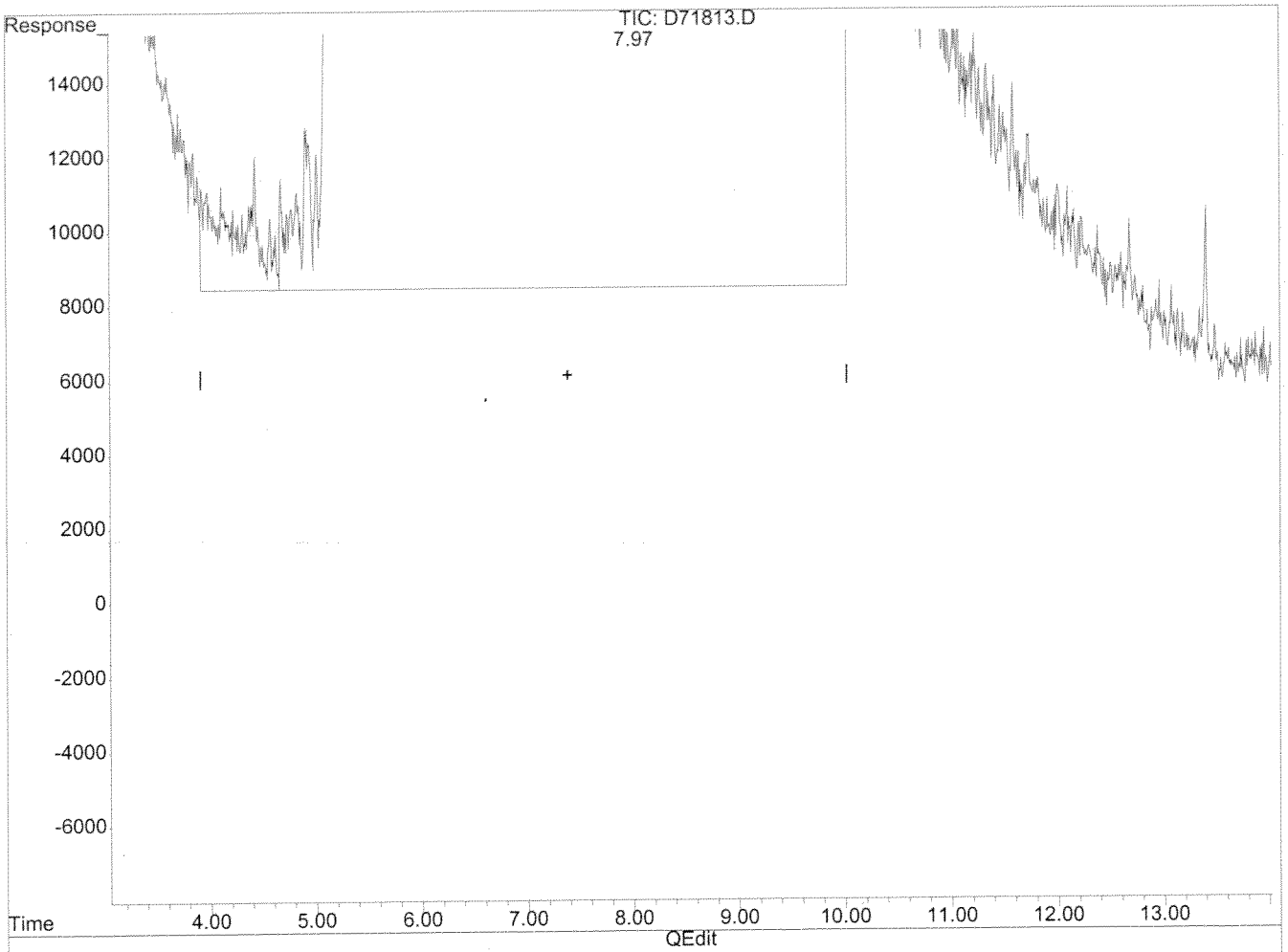
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\092110-D\D71813.D
Acq On : 23 Sep 2010 6:00 am
Sample : 67834-5,DL
Misc : SOIL,ALI,1:10
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Vial: 62
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration

D42310
MA



(8) C9-C18 (XH)

7.38min 401.890ug/ml m

response 141985263

JOV
9/24/10

(+) = Expected Retention Time
D71813.D ALG80410.M Thu Sep 23 10:47:44 2010

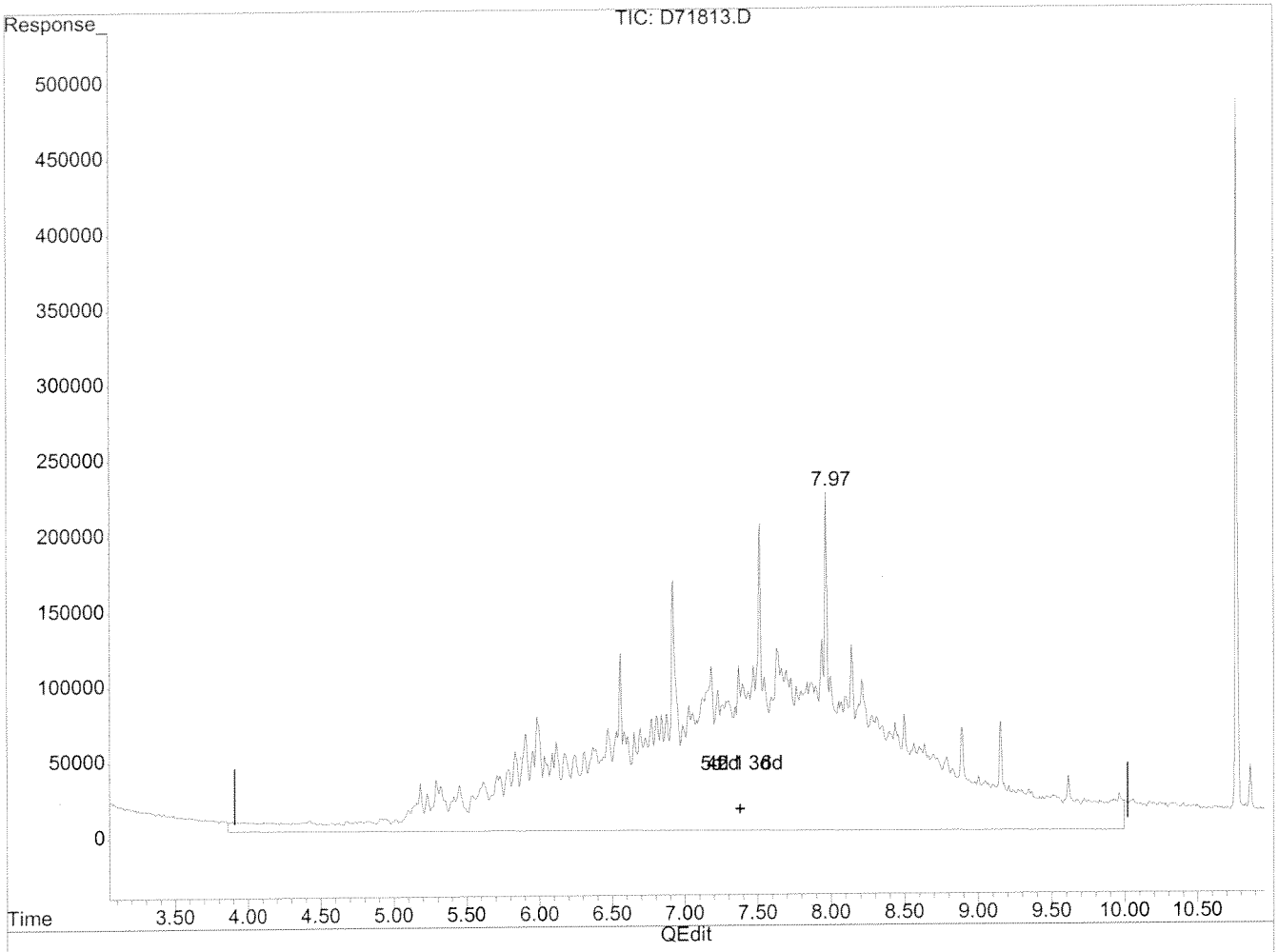
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\092110-D\D71813.D
Acq On : 23 Sep 2010 6:00 am
Sample : 67834-5,DL
Misc : SOIL,ALI,1:10
IntFile : EVENTS.E
Quant Time: Sep 23 10:47 2010 Quant Results File: ALG80410.RES

Vial: 62
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration

9/23/10



(8) C9-C18 (XH)

7.38min 455.663ug/ml m

response 160982986

9/24/10

(+) = Expected Retention Time

D71813.D ALG80410.M Thu Sep 23 10:52:26 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-B5D

SAMPLE DATA

Lab Sample ID: 67834-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28200	µg/kg	**83600**
Diesel PAH Analytes	Naphthalene	282	µg/kg	U
	2-Methylnaphthalene	282	µg/kg	U
	Phenanthrene	282	µg/kg	U
	Acenaphthene	282	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	282	µg/kg	U
	Fluorene	282	µg/kg	U
	Anthracene	282	µg/kg	U
	Fluoranthene	282	µg/kg	**198 J**
	Pyrene	282	µg/kg	**189 J**
	Benzo[a]anthracene	282	µg/kg	**199 J**
	Chrysene	282	µg/kg	**322**
	Benzo[b]fluoranthene	282	µg/kg	**354**
	Benzo[k]fluoranthene	282	µg/kg	**145 J**
	Benzo[a]pyrene	282	µg/kg	U
	Indeno[1,2,3-cd]pyrene	282	µg/kg	**145 J**
	Dibenzo[a,h]anthracene	282	µg/kg	U
	Benzo[g,h,i]perylene	282	µg/kg	**161 J**
C9-C18 Aliphatic Hydrocarbons[1]		28200	µg/kg	**491000 E**
C19-C36 Aliphatic Hydrocarbons[1]		28200	µg/kg	**105000**
C11-C22 Aromatic Hydrocarbons[1,2]		28200	µg/kg	**82800**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				60
Aromatic Surrogate % Recovery (O-Terphenyl)				77
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				80
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				67
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67834-6

J9-2310

Dilution Factors	ARO	1.054954	ALI 1.0549536	
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics		83599		28132
Naphthalene		U		281
2-Methylnaphthalene		U		281
Phenanthrene		U		281
Acenaphthene		U		281
Acenaphthylene		U		281
Fluorene		U		281
Anthracene		U		281
Fluoranthene		198	J	281
Pyrene		189	J	281
Benzo[a]anthracene		199	J	281
Chrysene		322		281
Benzo[b] fluoranthene		354		281
Benzo[k] fluoranthene		145	J	281
Benzo[a] pyrene		U		281
Indeno [1,2,3-cd] pyrene		145	J	281
Dibenz [a,h] anthracene		U		281
Benzo(g,h,i) perylene		161	J	281
C9-C18 Aliphatics		490740 E		28132
C19-C36 Aliphatics		105131		28132
C11-C22 Aromatics		82767		28132
1-Chlorooctadecane (Ali)		60%	40-140%	PASS
o-terphenyl (Aro)		77%	40-140%	PASS
2-Fluorobiphenyl (Fraction)		80%	40-140%	PASS
2-Bromonaphthalene (Fraction)		67%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35974.D	---------
Date Acquired	9/22/2010 21:19	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.45**	15.45
% Solid (divided by 100)	**0.9203**	0.9203
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	1
Calculation Factor	140.6605	140.6605

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-141	Quadratic
2-Methylnaphthalene	-1.00	-141	Quadratic
Acenaphthylene	-1.00	-141	Quadratic
Acenaphthene	-1.00	-141	Quadratic
Fluorene	-1.00	-141	Quadratic
Phenanthrene	-1.00	-141	Quadratic
Anthracene	-1.00	-141	Quadratic
Fluoranthene	1.41	198	Quadratic
Pyrene	1.35	189	Quadratic
Benzo[a]anthracene	1.41	199	Avg RF
Chrysene	2.29	322	Avg RF
Benzo[b] fluoranthene	2.52	354	Avg RF
Benzo[k] fluoranthene	1.03	145	Avg RF
Benzo[a] pyrene	0.41	58	Avg RF
Indeno [1,2,3-cd] pyrene	1.03	145	Avg RF
Dibenz [a,h] anthracene	0.32	46	Avg RF
Benzo(g,h,i) perylene	1.14	161	Avg RF
C11-C22	**610.184**	83599	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		82767	
ALIPHATICS			
C9-C18	**3507.198** E	490740	
C9-C18 Hexane Blank	**18.372**		
C19-C36	**780.970**	105131	
C19-C36 Hexane Blank	**33.560**		
Surrogates			
1-Chlorooctadecane (Ali)	**11.933**	60%	
2-Fluorobiphenyl (Fraction)	16.04	80%	
2-Bromonaphthalene (Fraction)	13.35	67%	
o-terphenyl (Aro)	15.38	77%	

JPM 9/24/10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

J92310

Quant Time: Sep 23 10:01:22 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	80004	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	485528	16.04 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 80.20%		80
10) 2-Bromonaphthalene	5.961	206	184707	13.35 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 66.75%		67
11) o-terphenyl	7.480	230	372775	15.38 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 76.90%		77

Target Compounds					Qvalue
2) Naphthalene	4.561	128	6413	~~Below Cal #~~	~~93~~
3) 2-Methylnaphthalene	5.131	141	2012	Below Cal #	68
4) Acenaphthylene	5.855	152	1979	Below Cal #	1
5) Acenaphthene	5.991	154	1529	Below Cal #	89
6) Fluorene	6.418	166	1020	Below Cal #	13
7) Phenanthrene	7.180	178	1459	Below Cal #	87
8) Anthracene	7.217	178	7325	~~Below Cal #~~	~~72~~
12) Fluoranthene	8.131	202	112906	1.41 ug/ml	98
13) Pyrene	8.328	202	106152	1.35 ug/ml	98
14) Benzo[a]anthracene	9.602	228	54023	1.41 ug/ml	95
15) Chrysene	9.646	228	85655	2.29 ug/ml	99
16) Benzo[b] fluoranthene	11.102	252	84517m	2.52 ug/ml	
17) Benzo[k] fluoranthene	11.140	252	34285m	1.03 ug/ml	
19) Indeno [1,2,3-cd] pyrene	13.333	276	26447	1.03 ug/ml#	82
21) Benzo(g,h,i) perylene	13.725	276	31746	1.14 ug/ml#	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

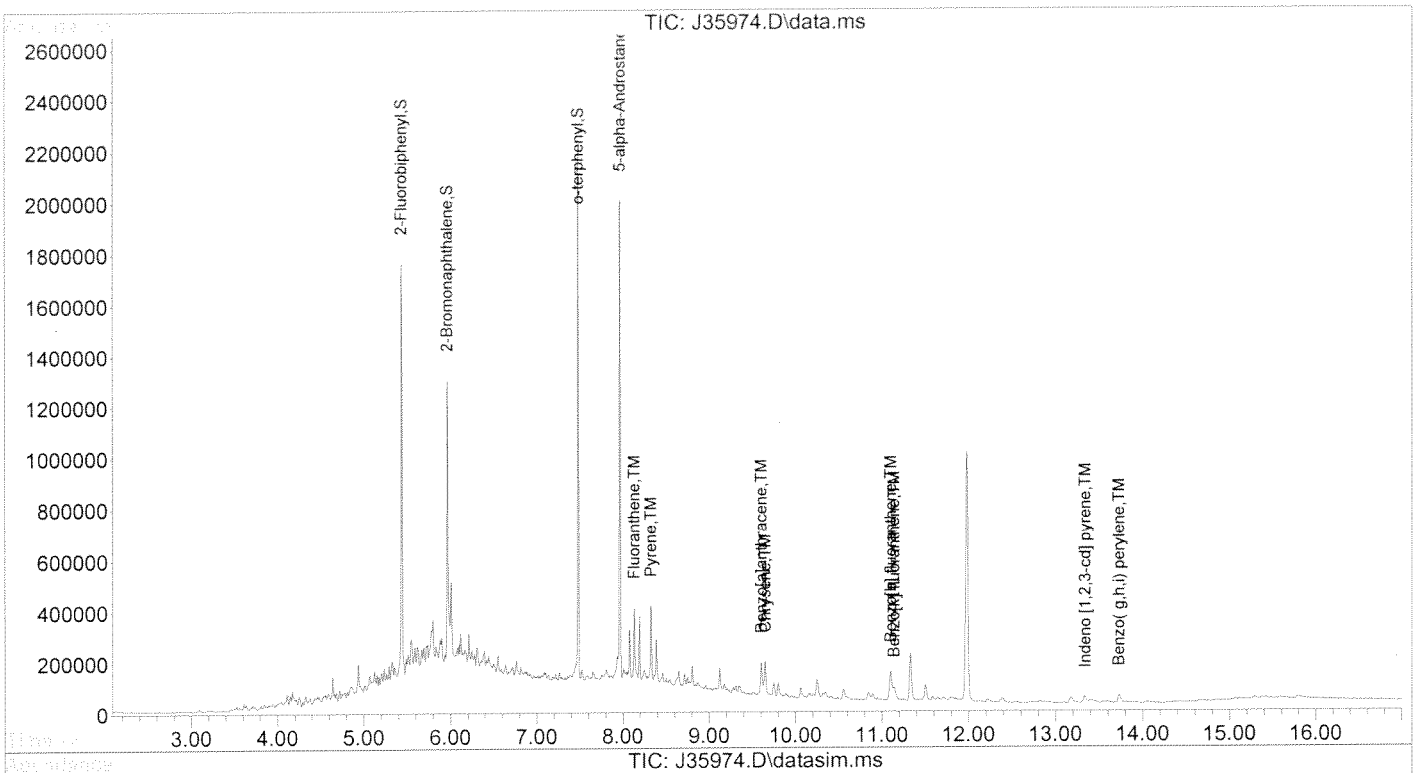
9/24/10

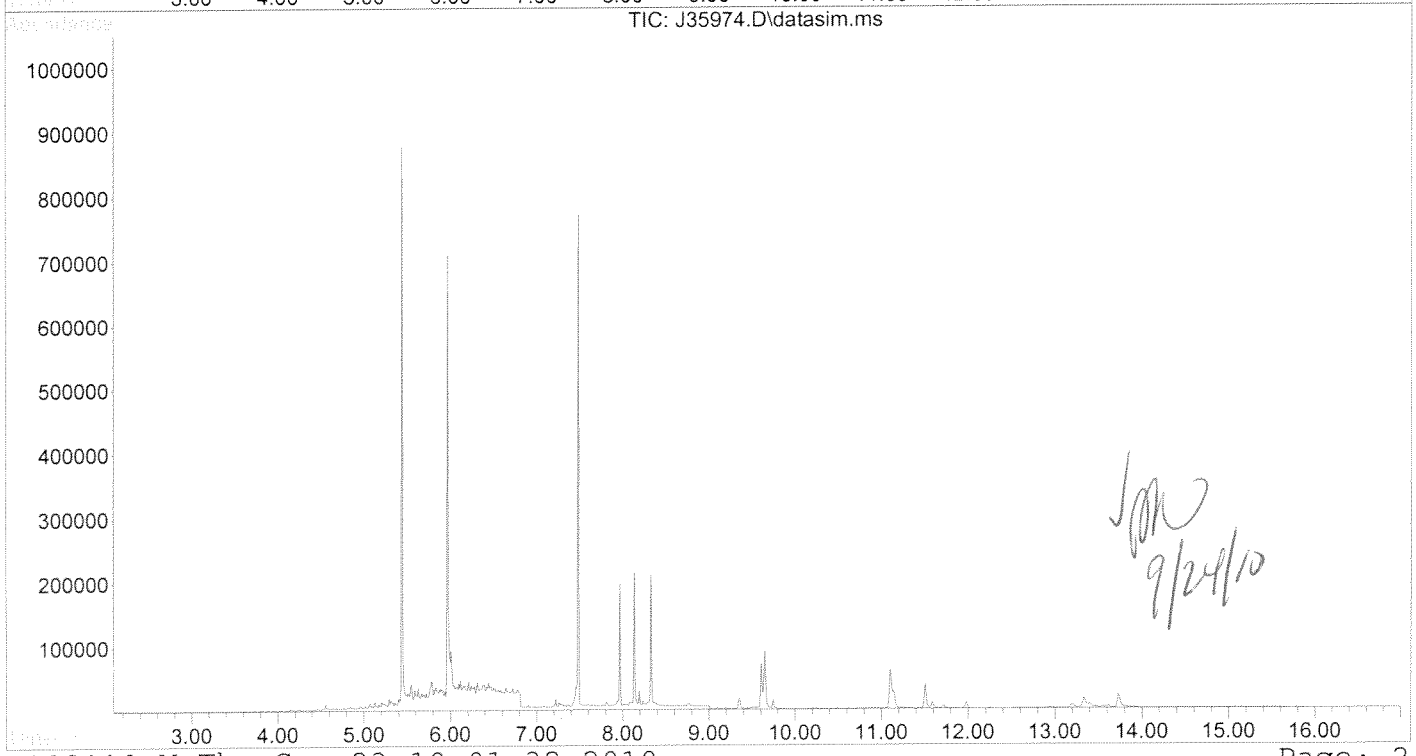
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 23 10:01:22 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

342310





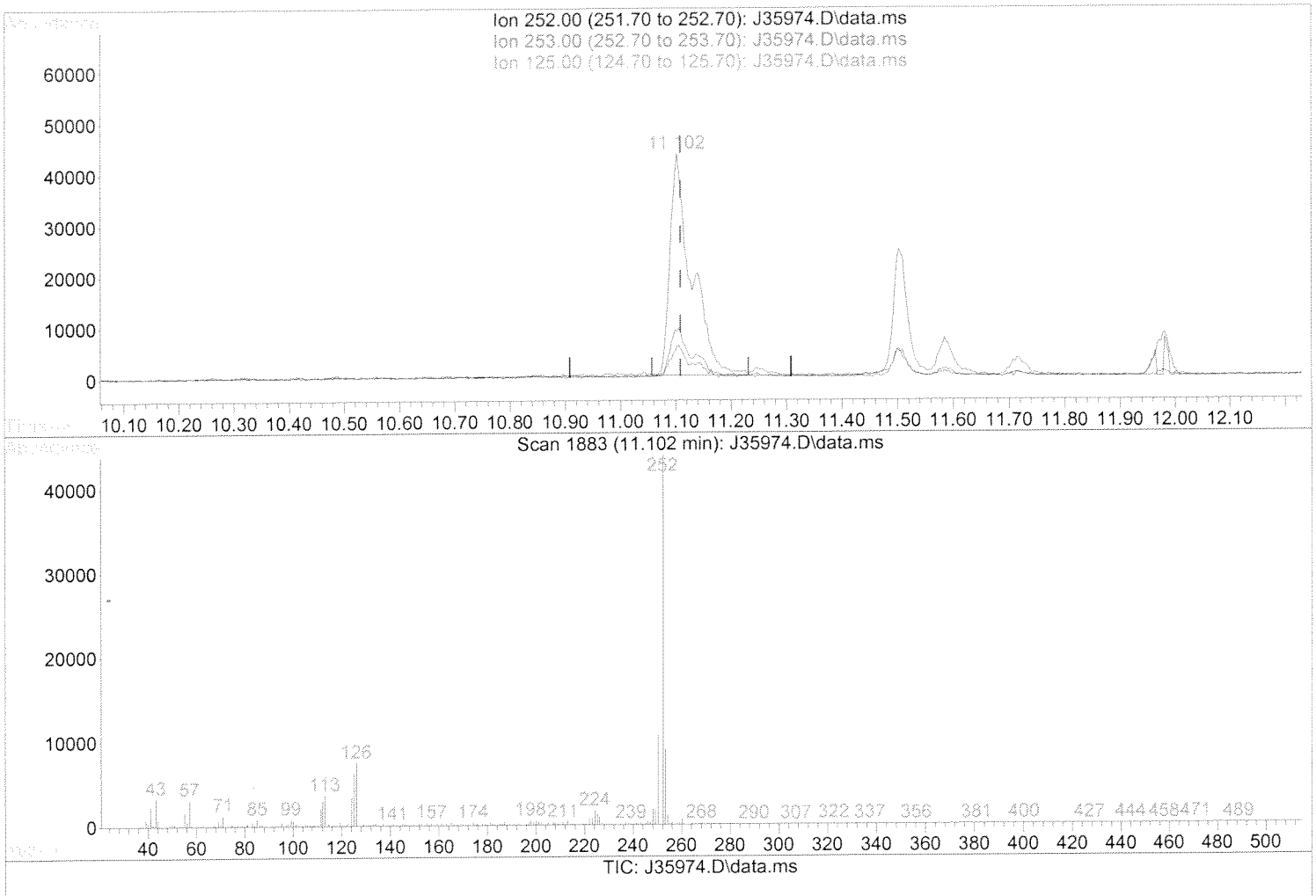
9/24/10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Sep 23 02:20:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J92310 outlier



(16) Benzo[b] fluoranthene (TM)

11.102min (-0.007) 3.50ug/ml

response 117756

Ion	Exp%	Act%
252.00	100	100
253.00	21.10	22.07
125.00	12.70	12.63
0.00	0.00	0.00

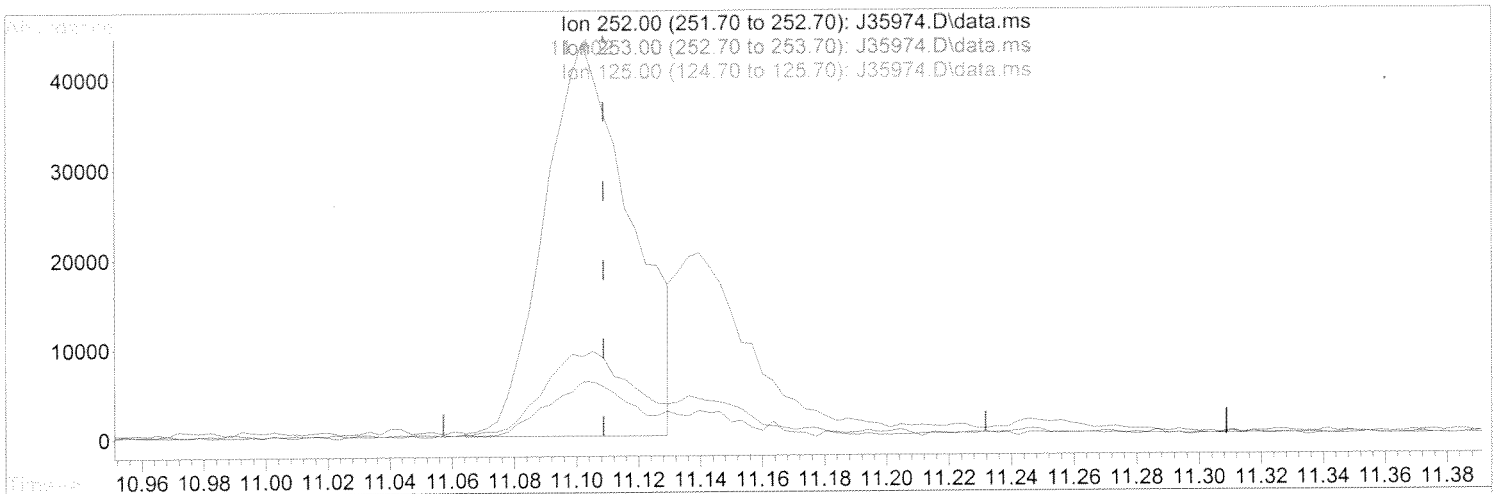
JM 9/24/10

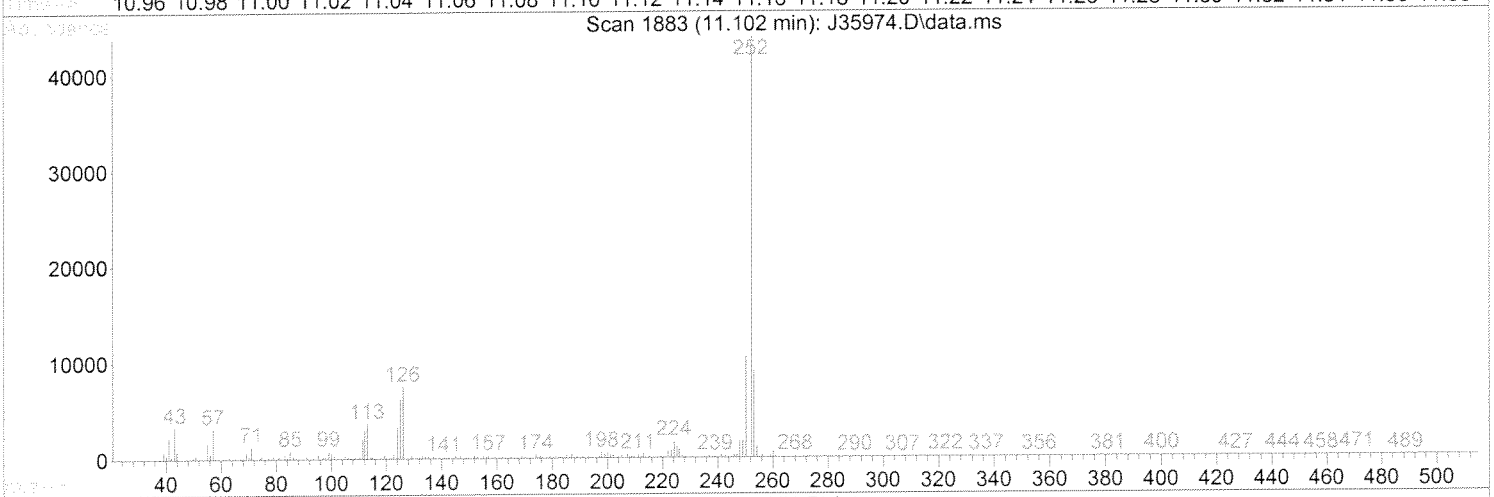
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

J92310 Cuelite

Quant Time: Sep 23 02:20:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





(16) Benzo[b] fluoranthene (TM)

11.102min (-0.007) 2.52ug/ml m

response 84517

Ion	Exp%	Act%
252.00	100	100
253.00	21.10	30.75#
125.00	12.70	17.59#
0.00	0.00	0.00

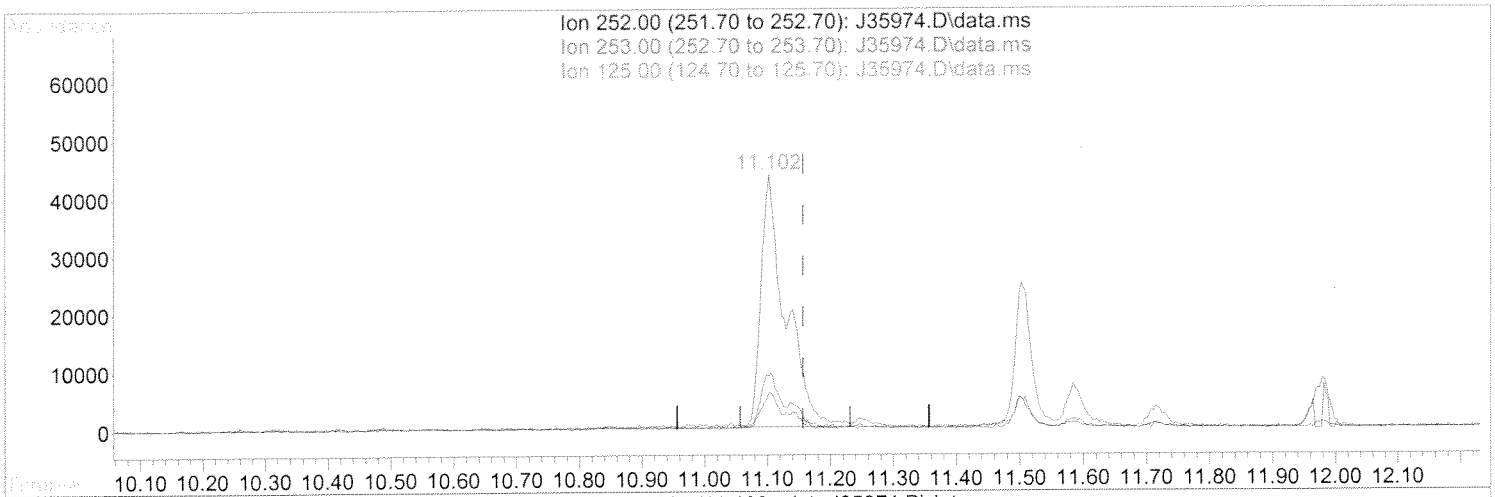
9/24/10

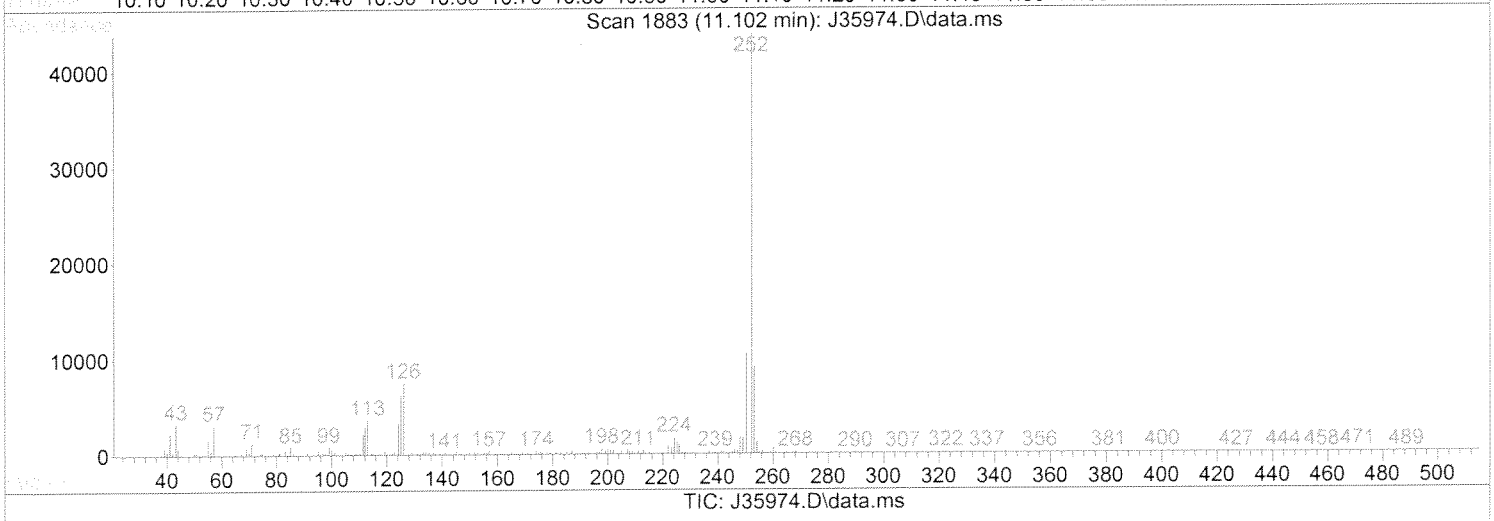
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

J92310 calibr

Quant Time: Sep 23 02:20:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





(17) Benzo[k] fluoranthene (TM)

11.102min (-0.055) 3.55ug/ml

response 118211

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	21.98
125.00	13.70	12.58
0.00	0.00	0.00

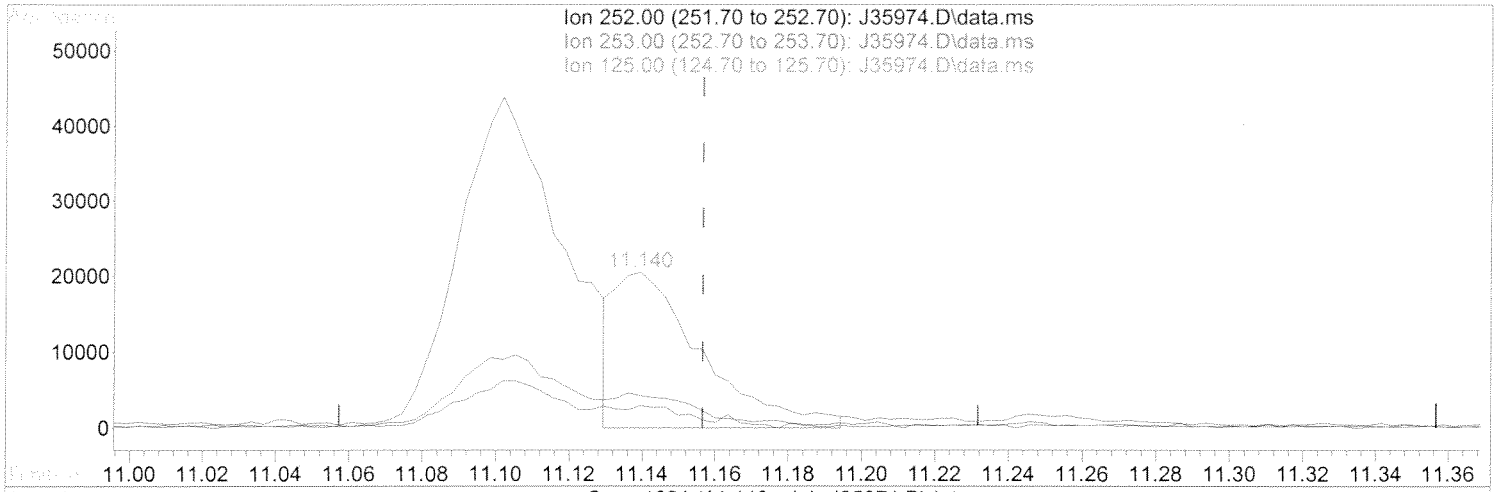
JON 9/24/10

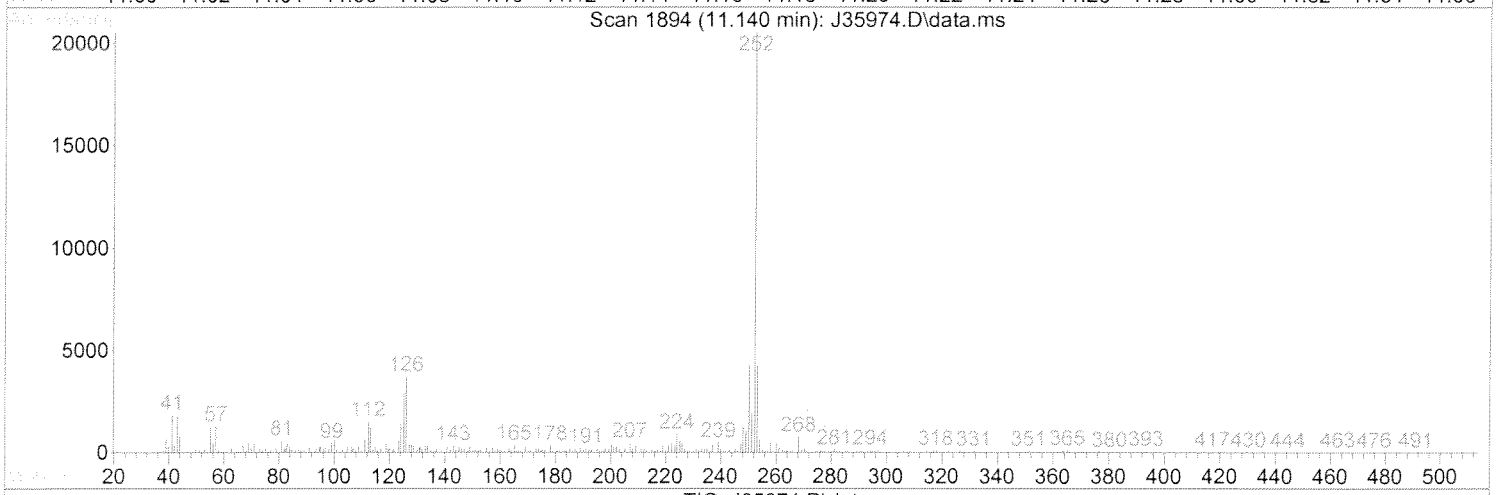
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

J423W

Quant Time: Sep 23 02:20:16 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





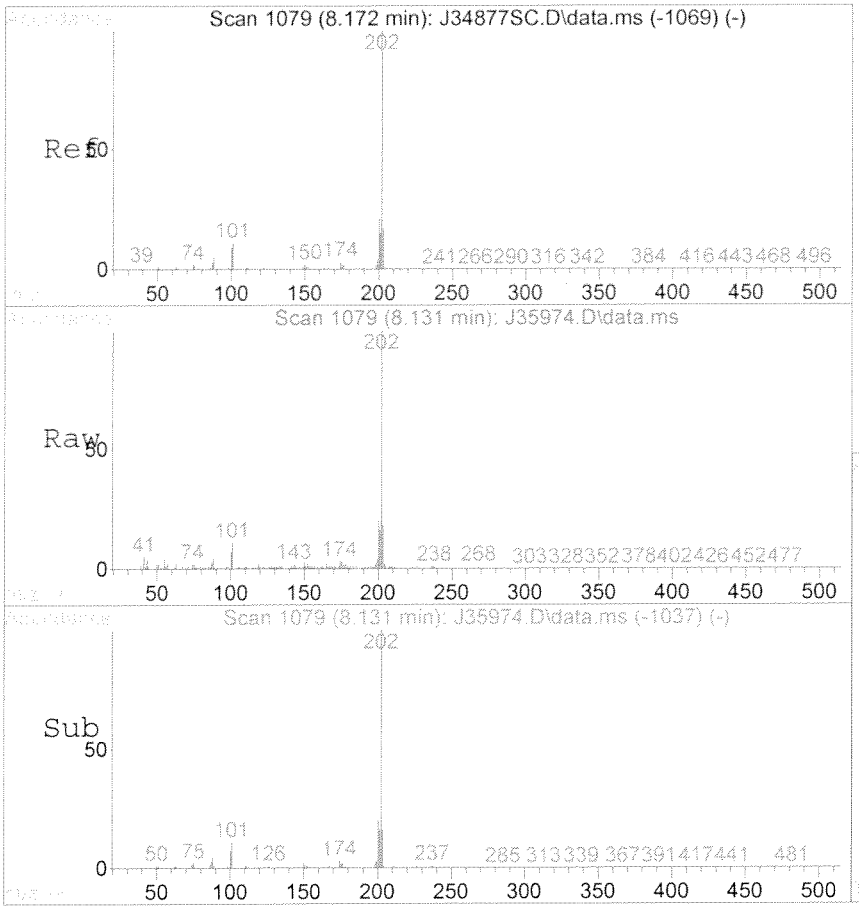
(17) Benzo[k] fluoranthene (TM)

11.140min (-0.017) 1.03ug/ml m

response 34285

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	75.80#
125.00	13.70	43.37#
0.00	0.00	0.00

JMW 9/24/10



#12 J9230

Fluoranthene ✓

Concen: 1.41 ug/ml

RT: 8.131 min Scan# 1079

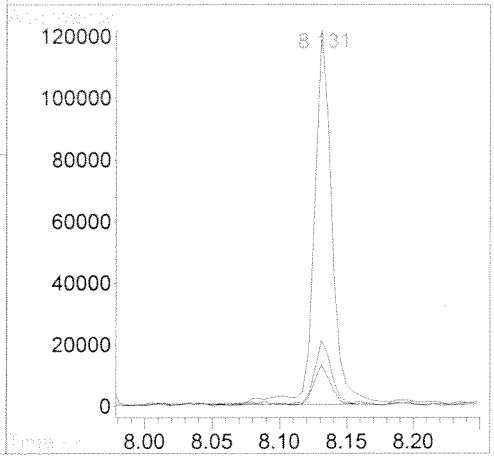
Delta R.T. -0.004 min

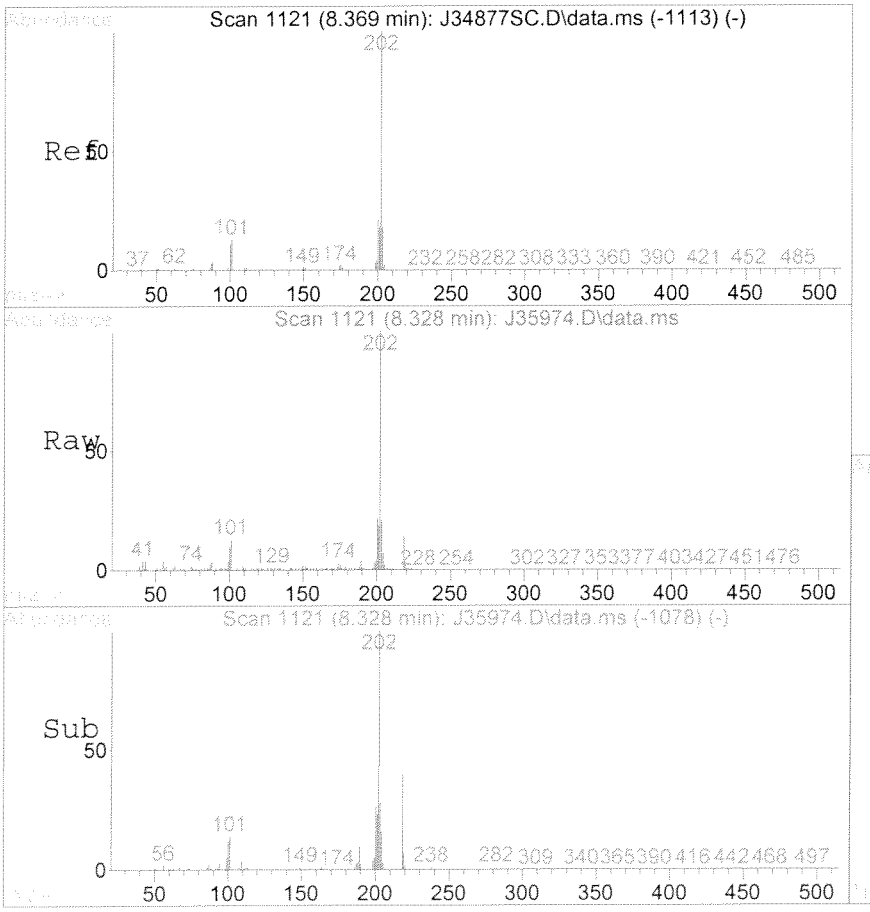
Lab File: J35974.D

Acq: 22 Sep 2010 9:19 pm

Tgt Ion:202 Resp: 112906

Ion	Ratio	Lower	Upper
202	100		
101	10.3	9.7	14.5
203	17.3	13.8	20.6





#13

Pyrene ✓

Concen: 1.35 ug/ml

RT: 8.328 min Scan# 1121

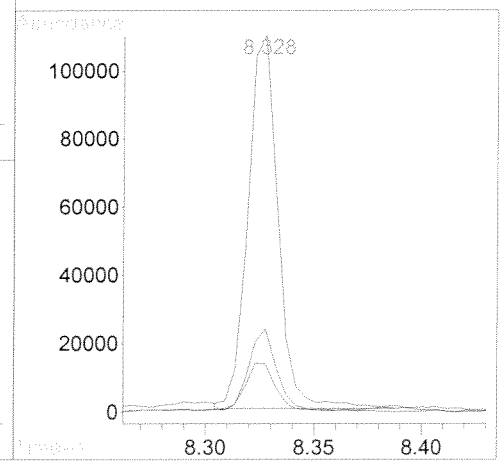
Delta R.T. 0.001 min

Lab File: J35974.D

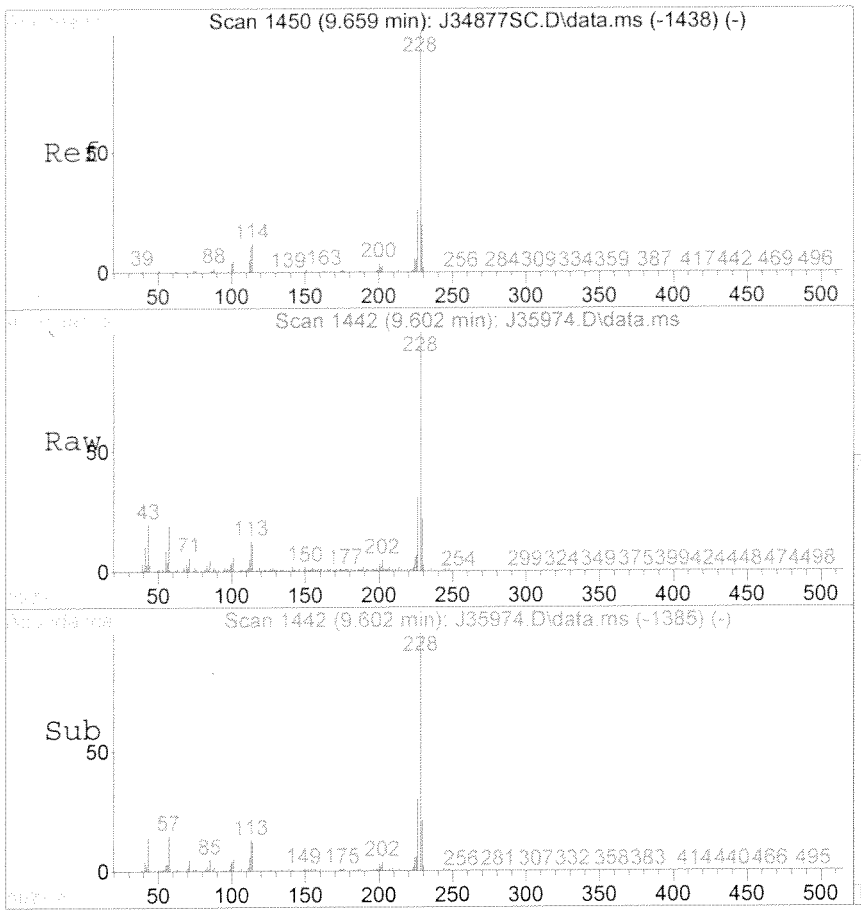
Acq: 22 Sep 2010 9:19 pm

Tgt Ion:202 Resp: 106152

Ion	Ratio	Lower	Upper
202	100		
101	13.4	11.5	17.3
200	21.6	16.7	25.1



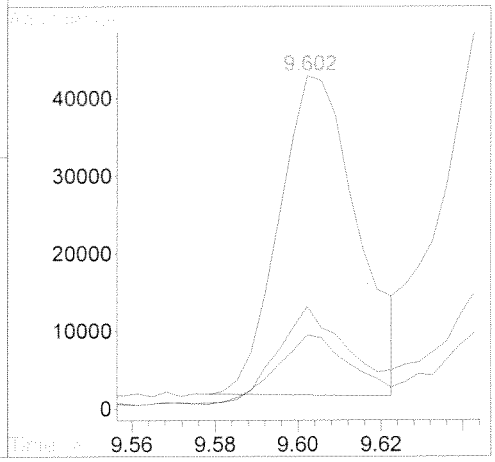
9/24/10

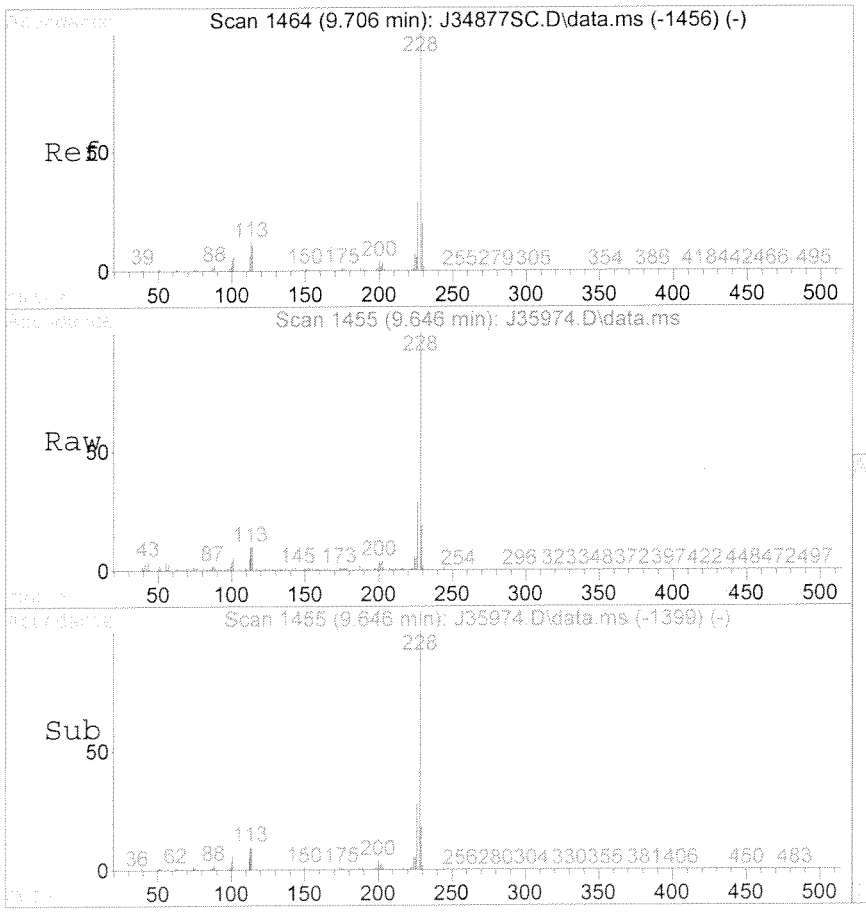


#14 J423W ✓
Benzo[a]anthracene
Concen: 1.41 ug/ml
RT: 9.602 min Scan# 1442
Delta R.T. -0.007 min
Lab File: J35974.D
Acq: 22 Sep 2010 9:19 pm

Tgt Ion:228 Resp: 54023

Ion	Ratio	Lower	Upper
228	100		
229	21.0	14.6	21.8
226	28.8	21.5	32.3

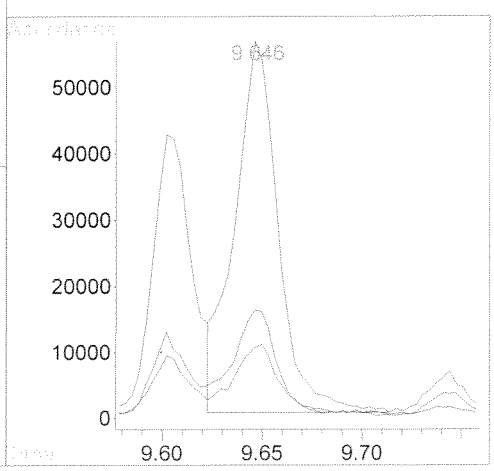




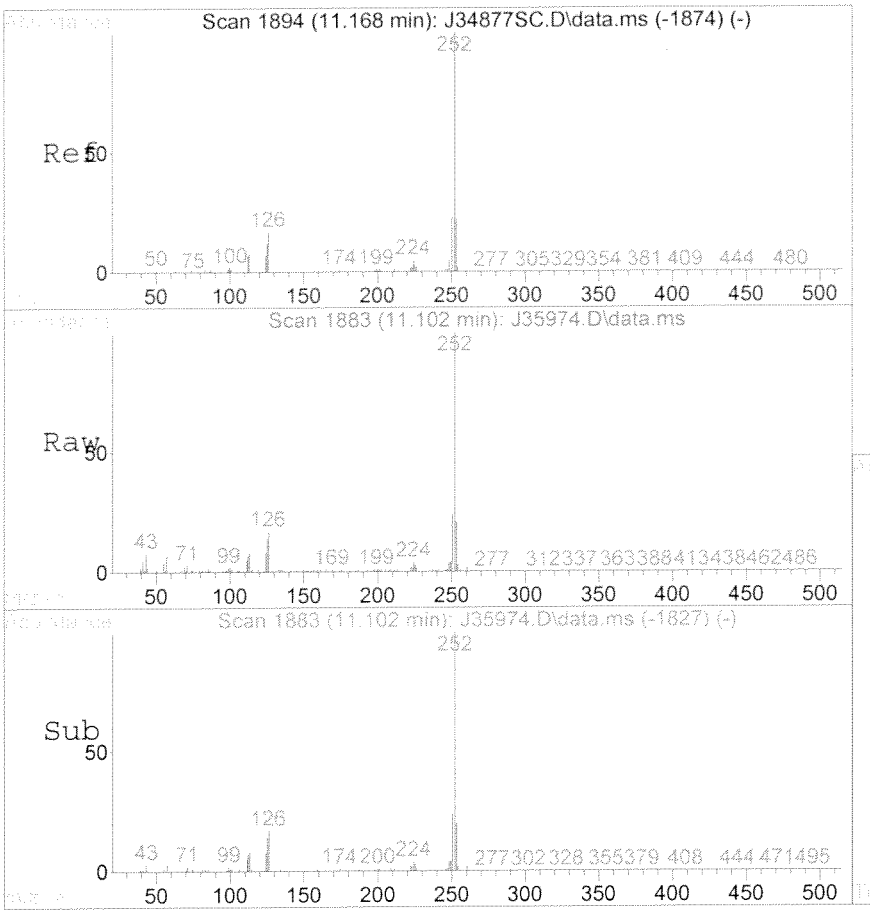
#15 ✓
Chrysene
Concen: 2.29 ug/ml
RT: 9.646 min Scan# 1455
Delta R.T. -0.010 min
Lab File: J35974.D
Acq: 22 Sep 2010 9:19 pm

Tgt Ion:228 Resp: 85655

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.0
229	19.7	15.8	23.6



✓ JM 9/24/10

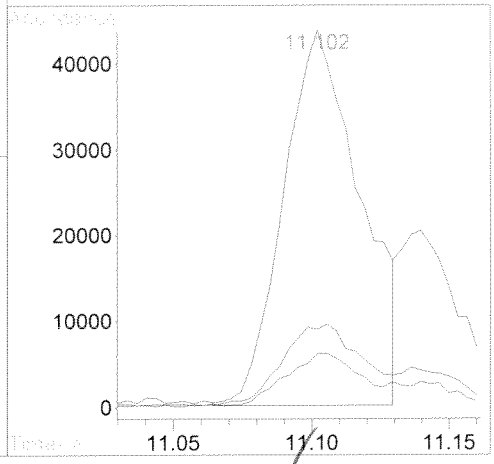


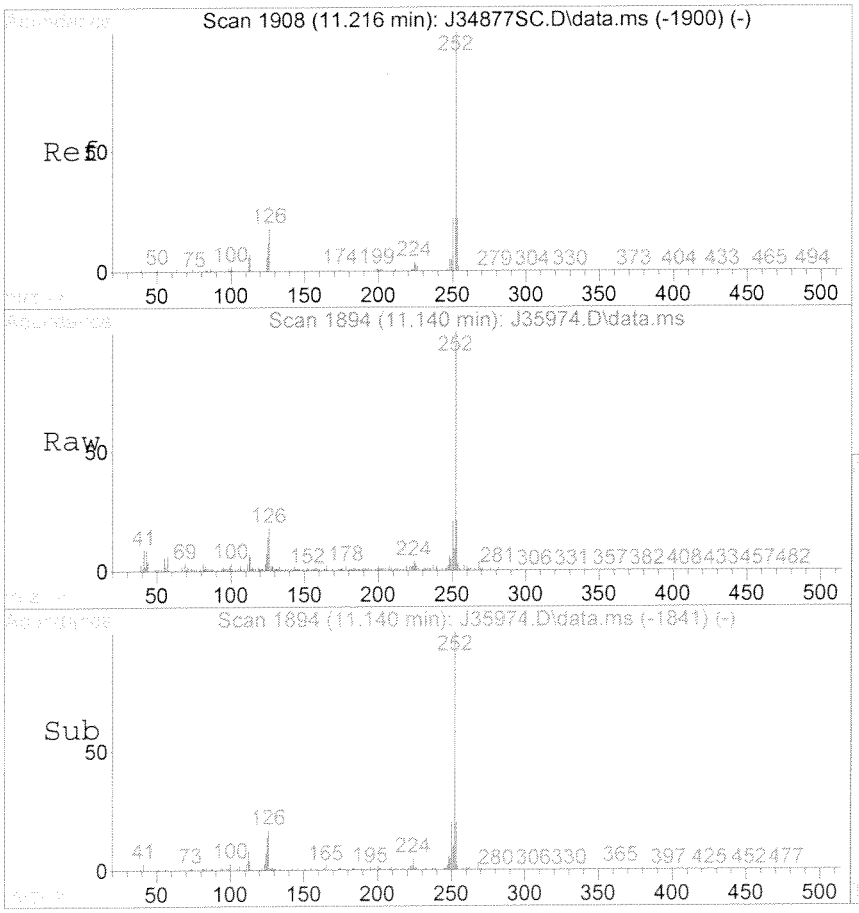
J9230

#16
Benzo[b] fluoranthene
Concen: 2.52 ug/ml m
RT: 11.102 min Scan# 1883
Delta R.T. -0.007 min
Lab File: J35974.D
Acq: 22 Sep 2010 9:19 pm

Tgt Ion:252 Resp: 84517

Ion	Ratio	Lower	Upper
252	100		
253	30.7	16.9	25.3#
125	17.6	10.2	15.2#

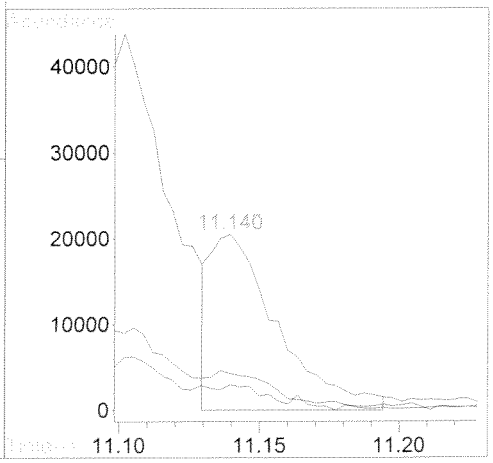




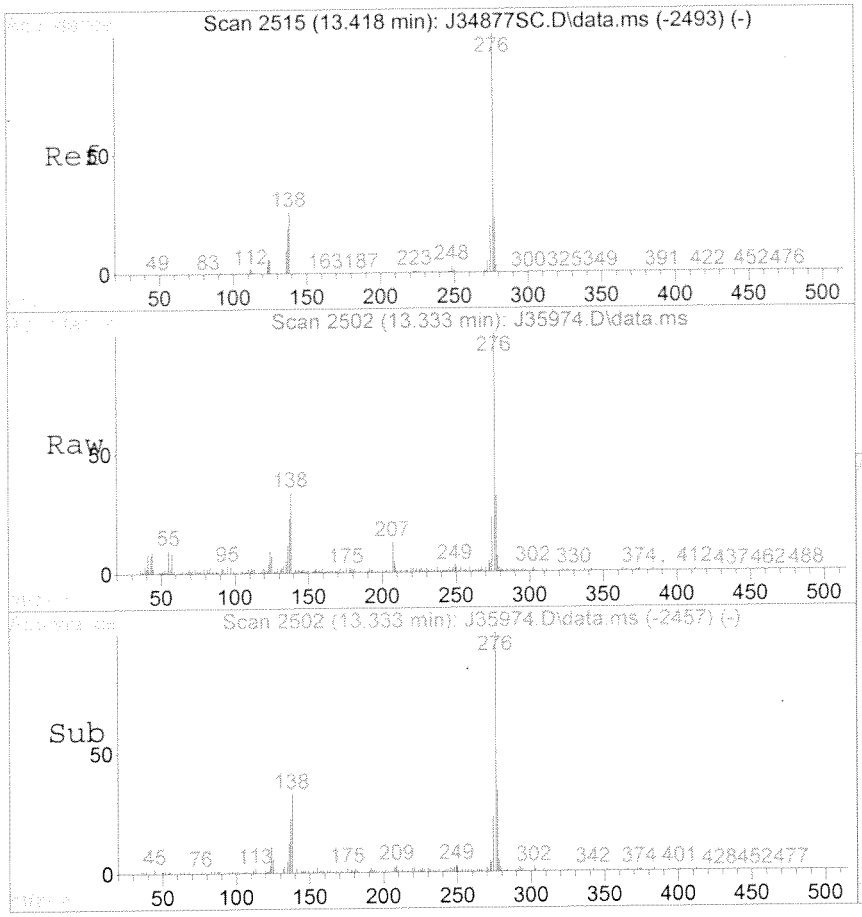
#17
Benzo[k] fluoranthene
Concen: 1.03 ug/ml m
RT: 11.140 min Scan# 1894
Delta R.T. -0.017 min
Lab File: J35974.D
Acq: 22 Sep 2010 9:19 pm

Tgt Ion:252 Resp: 34285

Ion	Ratio	Lower	Upper
252	100		
253	75.8	18.2	27.2#
125	43.4	11.0	16.4#



9/24/10

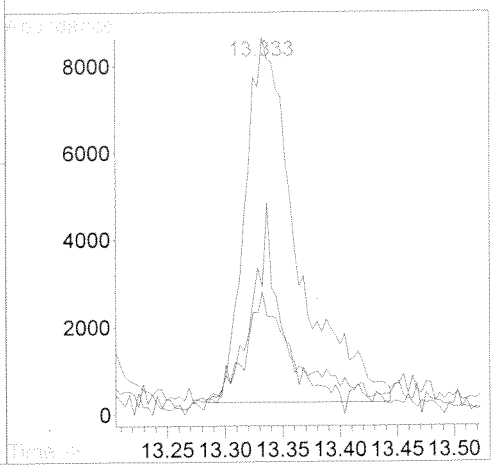


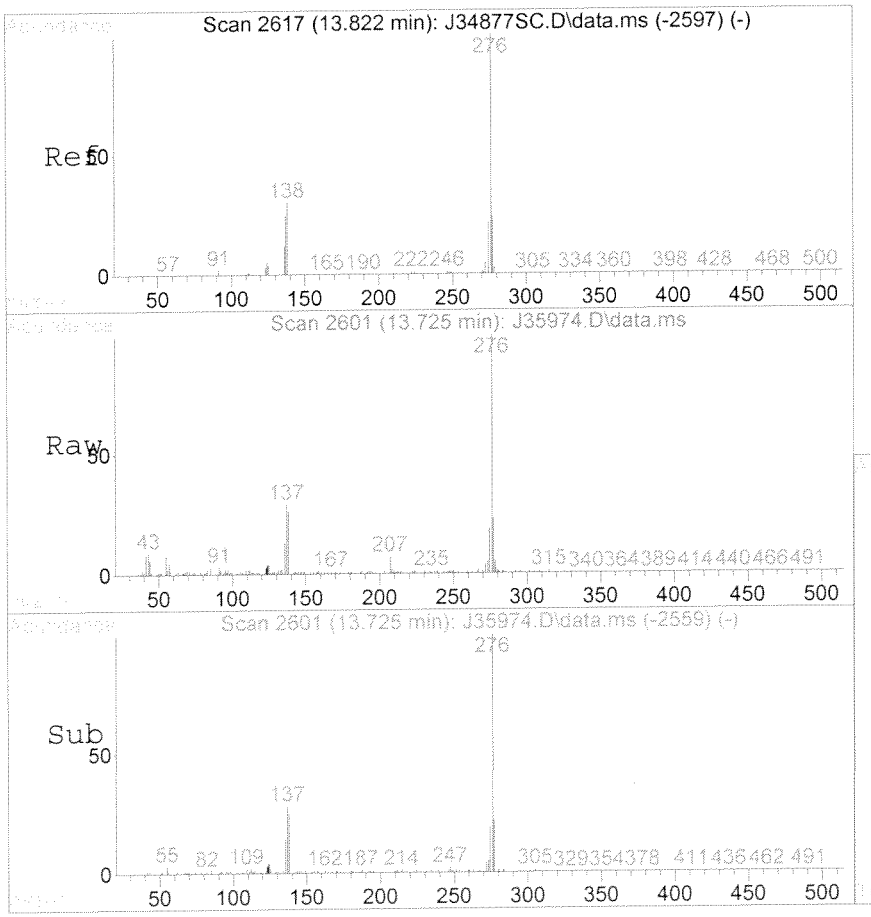
#19 Indeno [1,2,3-cd] pyrene

Concen: 1.03 ug/ml
RT: 13.333 min Scan# 2502
Delta R.T. -0.020 min
Lab File: J35974.D
Acq: 22 Sep 2010 9:19 pm

Tgt Ion:276 Resp: 26447

Ion	Ratio	Lower	Upper
276	100		
138	40.4	24.2	36.2#
277	31.7	19.0	28.4#



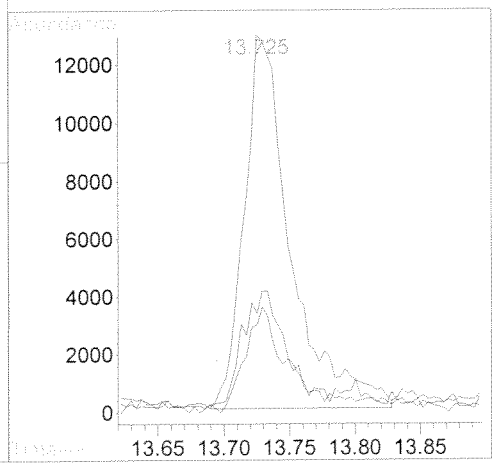


#21 Benzo(g,h,i) perylene

Concen: 1.14 ug/ml
RT: 13.725 min Scan# 2601
Delta R.T. -0.032 min
Lab File: J35974.D
Acq: 22 Sep 2010 9:19 pm

Tgt Ion:276 Resp: 31746

Ion	Ratio	Lower	Upper
276	100		
138	29.8	26.1	39.1
277	30.1	19.0	28.6#



9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 10:02:40 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.965	16857282	20.000 ug/mlm
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.435	15800255	19.718 ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	98.59% 98
10) S 2-Bromonaphthalene	5.963	11324473	17.749 ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	88.74% 89
11) S o-terphenyl	7.479	15982129	15.675 ug/mlm
Spiked Amount 20.000 Range 40 - 140		Recovery =	78.38% 78
Target Compounds			
2) TZ Naphthalene	4.557	1084433	<MDL ug/ml
3) TZ 2-Methylnaphthalene	5.126	2848613	2.921 ug/ml
4) TZ Acenaphthylene	5.834	5856369	6.599 ug/ml
5) TZ Acenaphthene	6.008	10493112	11.445 ug/ml
6) TZ Fluorene	6.421	2545647	2.186 ug/ml
7) TZ Phenanthrene	7.184	1964529	1.380 ug/ml
8) TZ Anthracene	7.217	3566775	3.104 ug/ml
12) TZ Fluoranthene	8.133	7671007	6.928 ug/ml
13) TZ Pyrene	8.327	6783117	5.945 ug/ml
14) TZ Benzo[a]anthracene	9.604	3532684	4.039 ug/ml
15) TZ Chrysene	9.649	3776779	3.404 ug/ml
16) TZ Benzo[b] fluoranthene	11.102	3408335	4.206 ug/ml
17) TZ Benzo[k] fluoranthene	11.141	1936575	1.926 ug/ml
18) TZ Benzo[a] pyrene	11.586	877776	1.146 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.330	871415	1.352 ug/ml
20) TZ Dibenz [a,h] anthracene	13.402	541774	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.727	983131	1.360 ug/ml
22) XH c11-c22	12.565	507115574	610.184 ug/ml

15.855

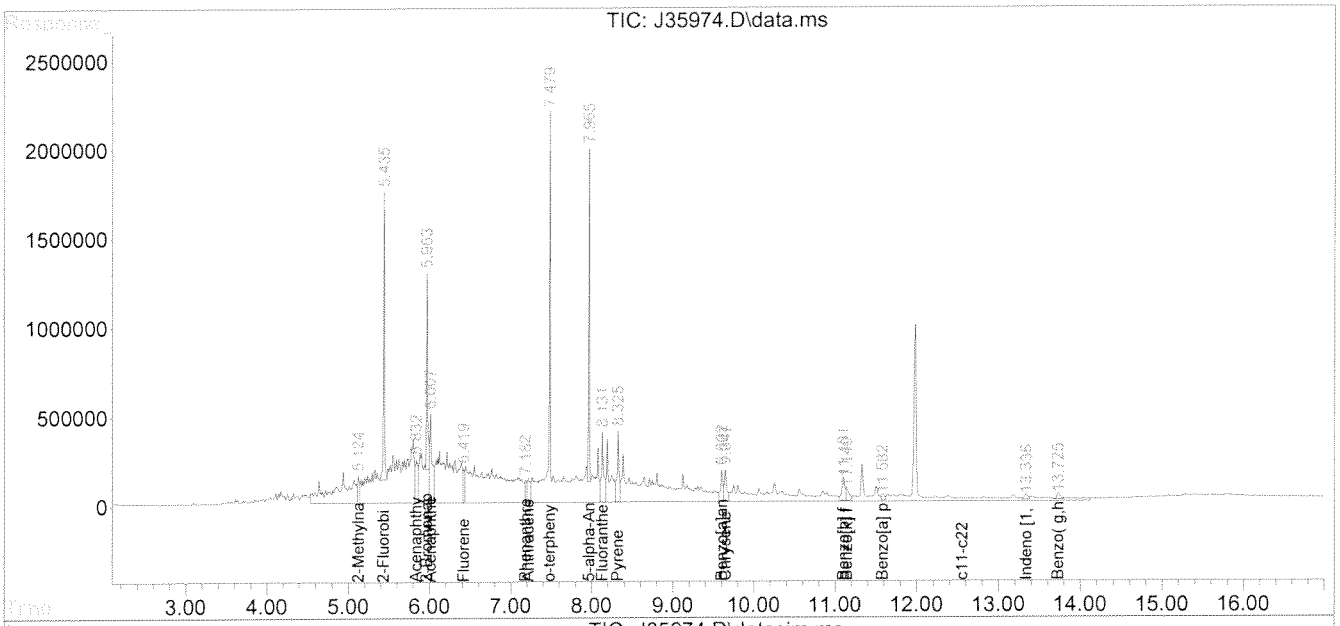
(f)=RT Delta > 1/2 Window (m)=manual int.

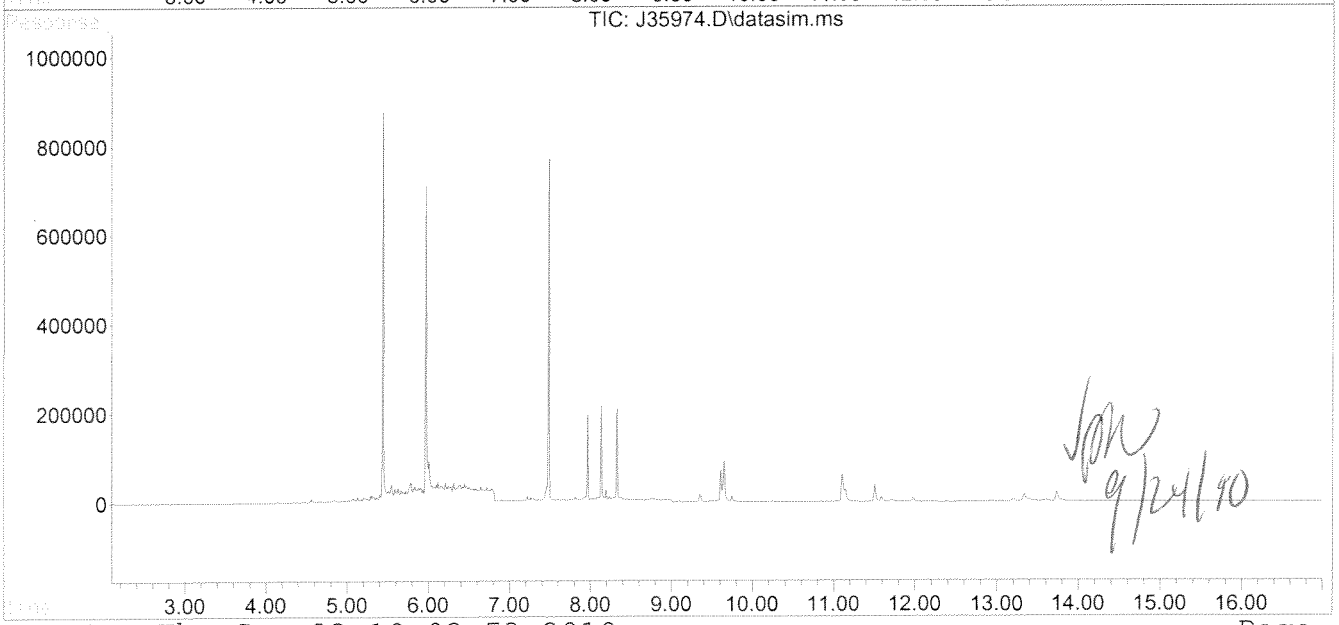
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 10:02:40 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/24/10

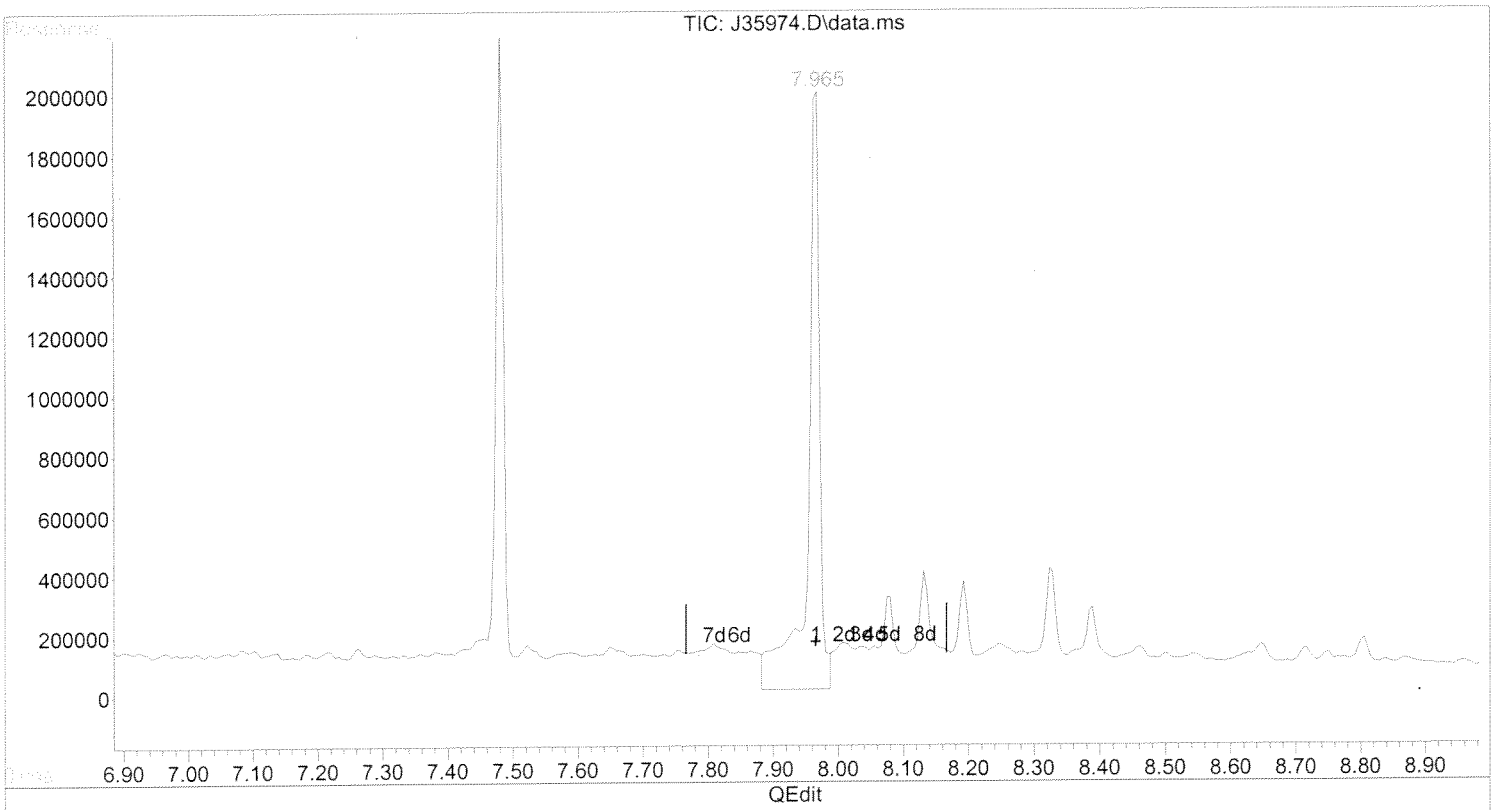
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

342360
EA

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(1) 5-alpha-Androstane (I)
7.966min 20.000ug/ml
response 25611182

9/24/10

(+) = Expected Retention Time
ARG092110.M Thu Sep 23 10:02:02 2010 Page: 1

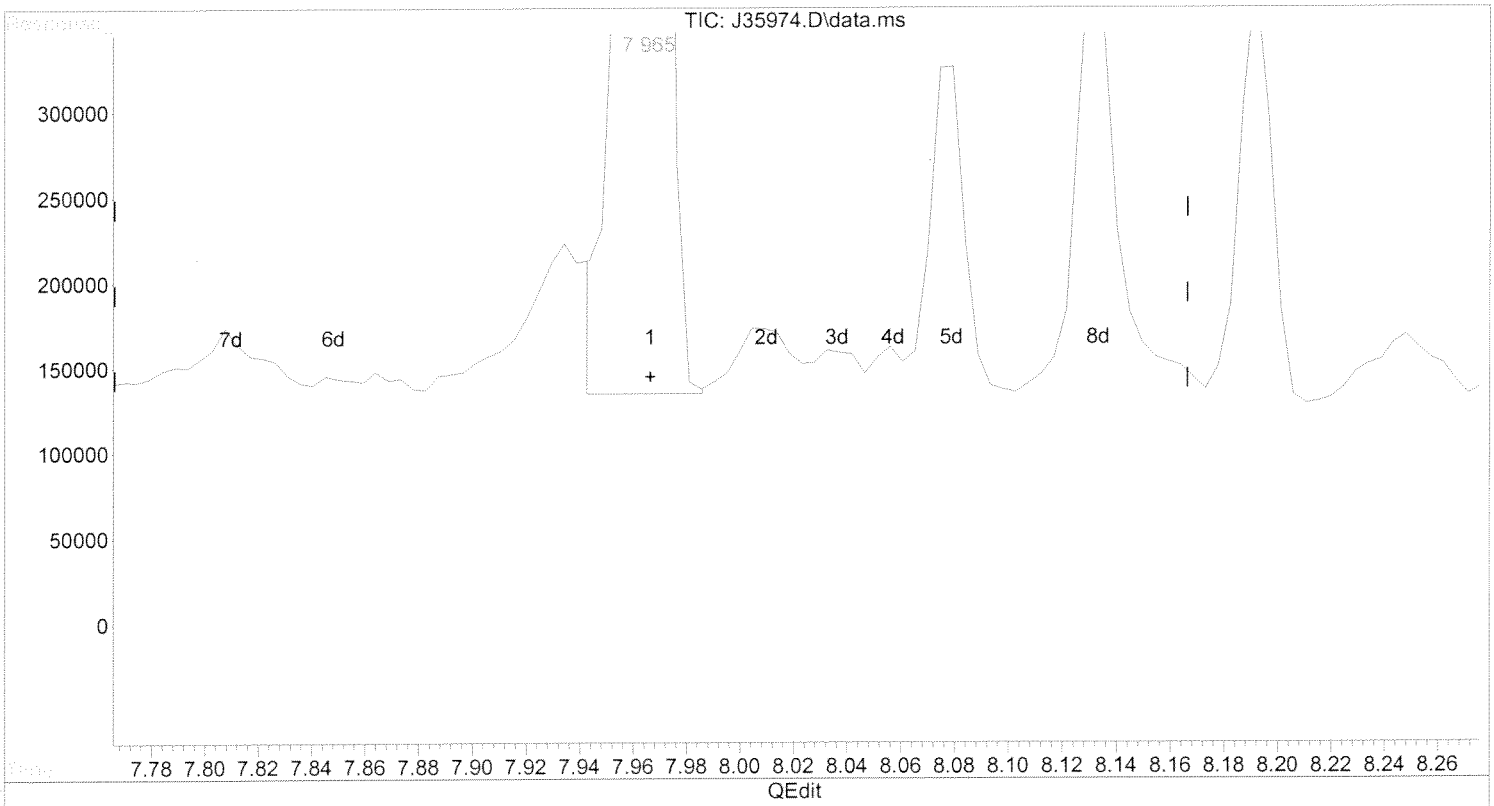
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

J92310

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(1) 5-alpha-Androstane (I)
7.965min 20.000ug/ml m
response 16857282

9/24/10

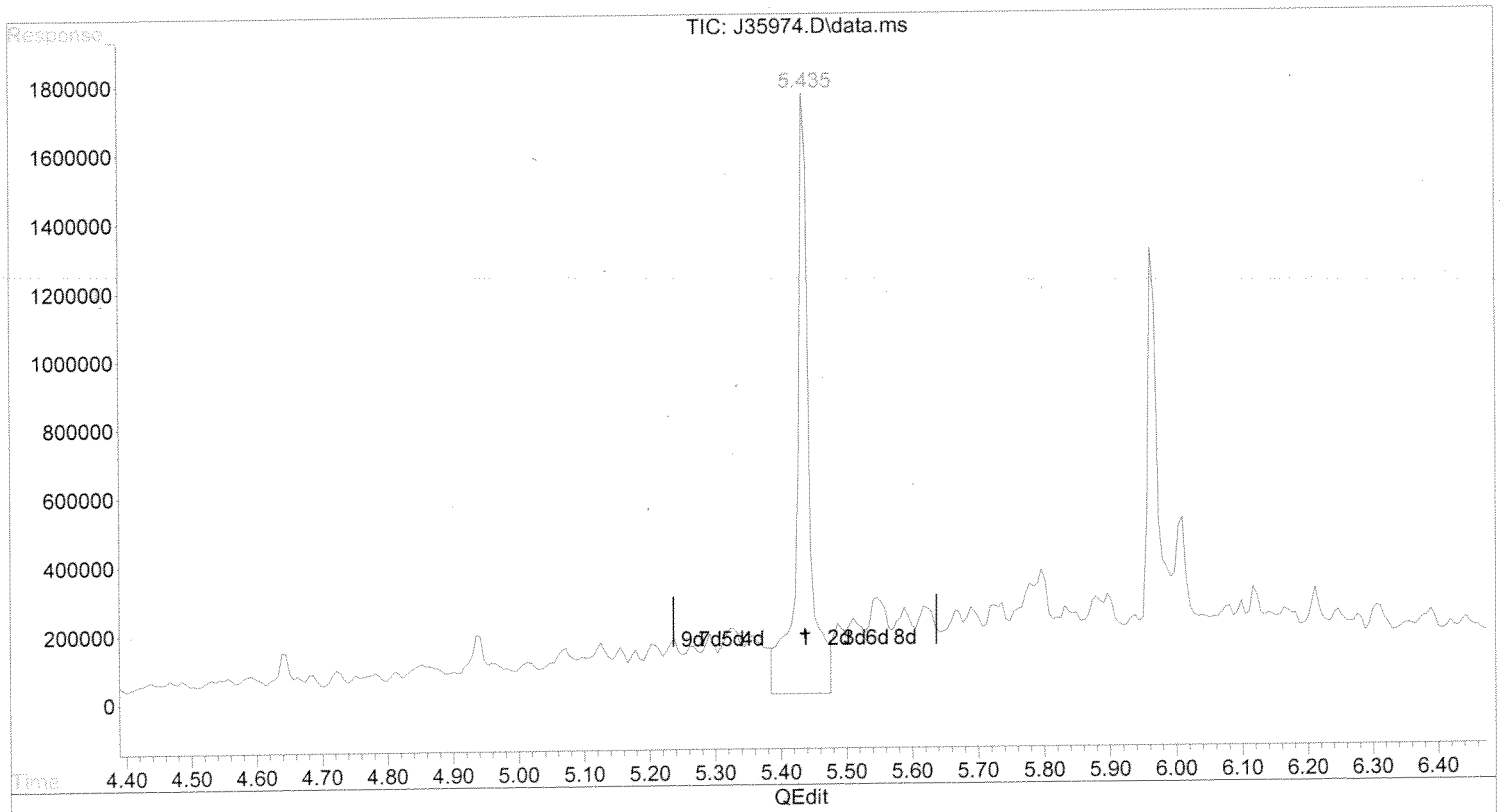
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2-Fluorobiphenyl (S)
5.437min 30.800ug/ml
response 23019139

(+) = Expected Retention Time

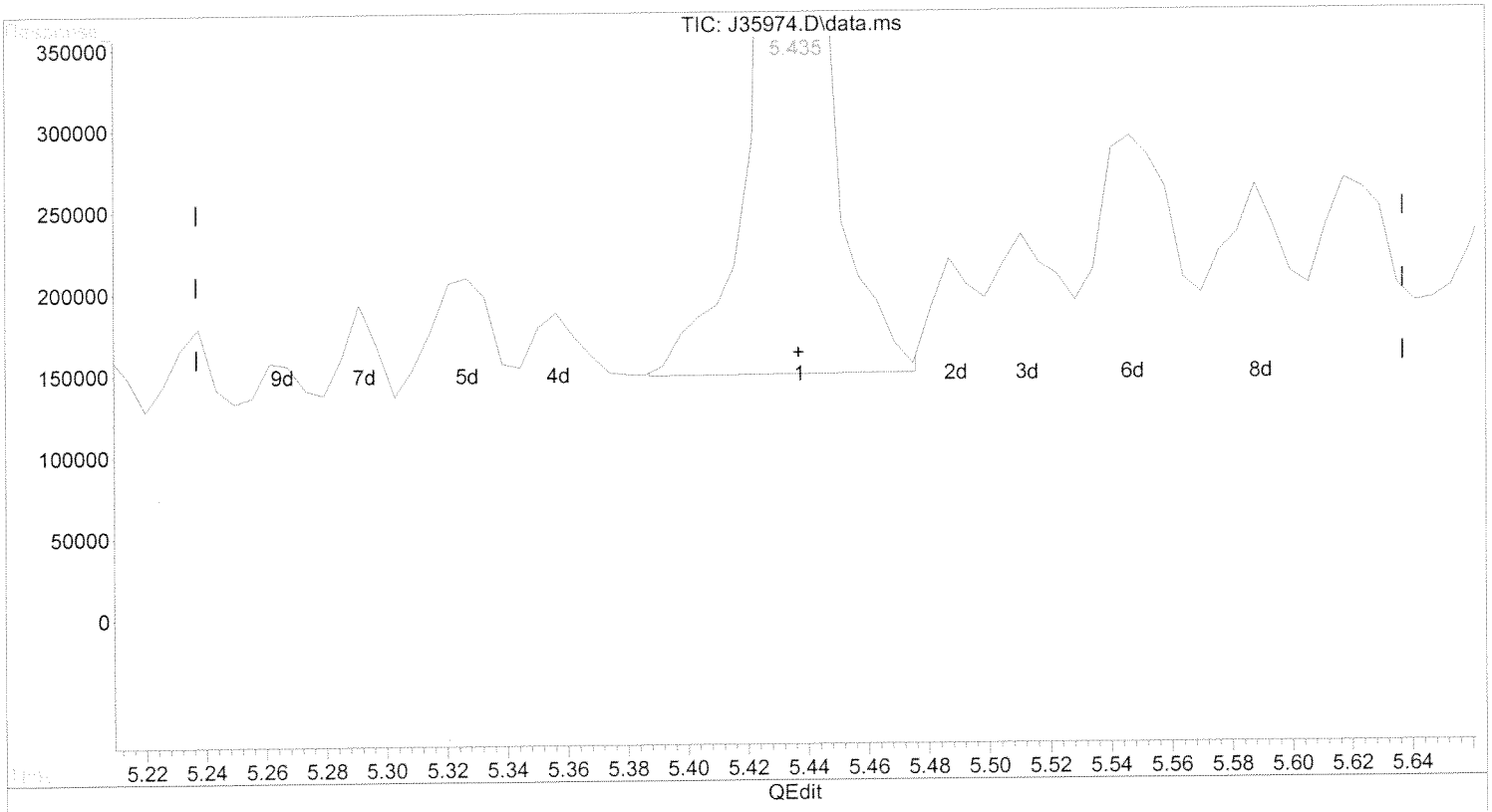
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

J42360

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2-Fluorobiphenyl (S)
5.435min 19.718ug/ml m
response 15800255

9/24/10

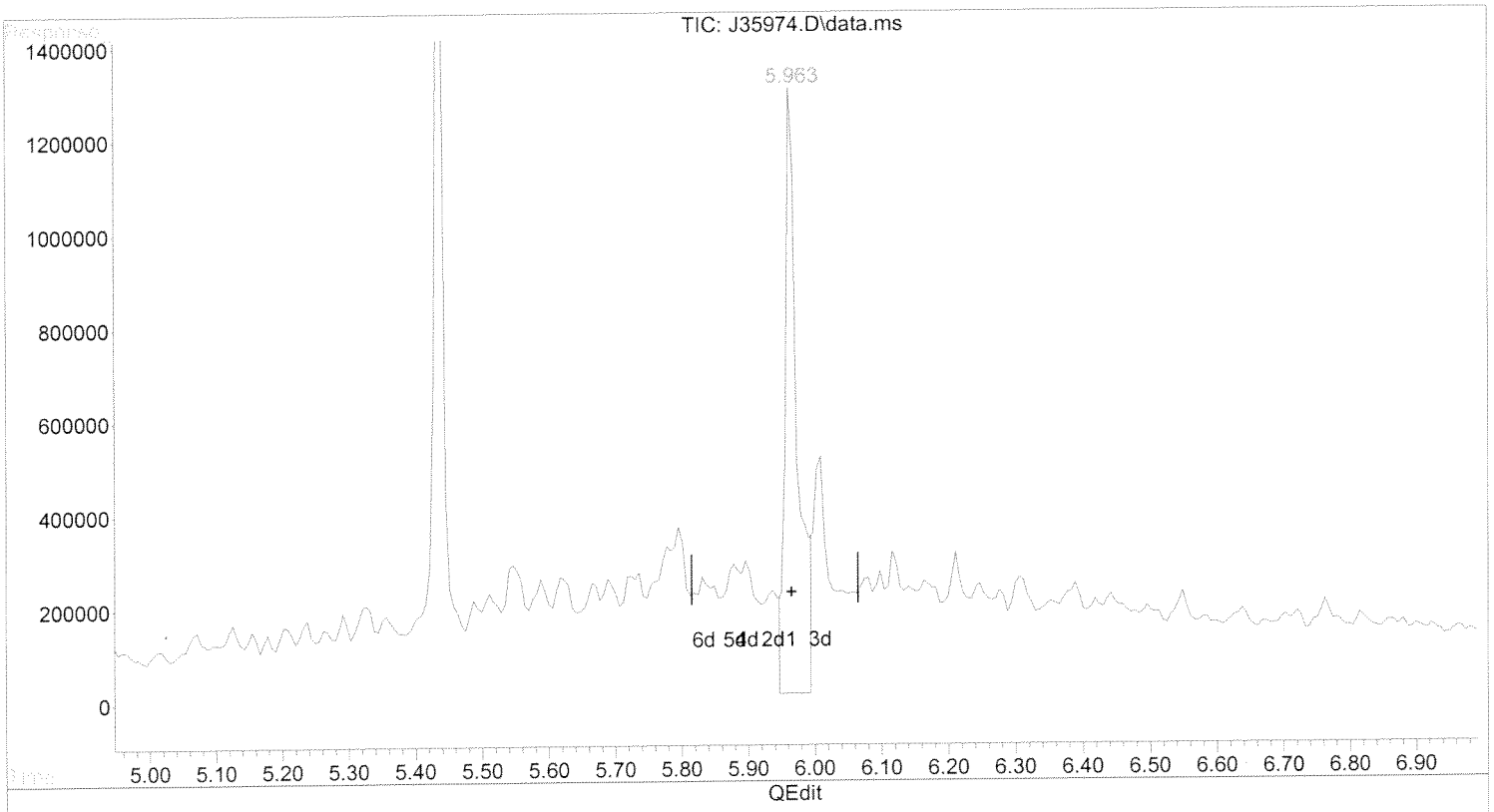
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) 2-Bromonaphthalene (S)
5.965min 25.934ug/ml
response 16546444

(+) = Expected Retention Time

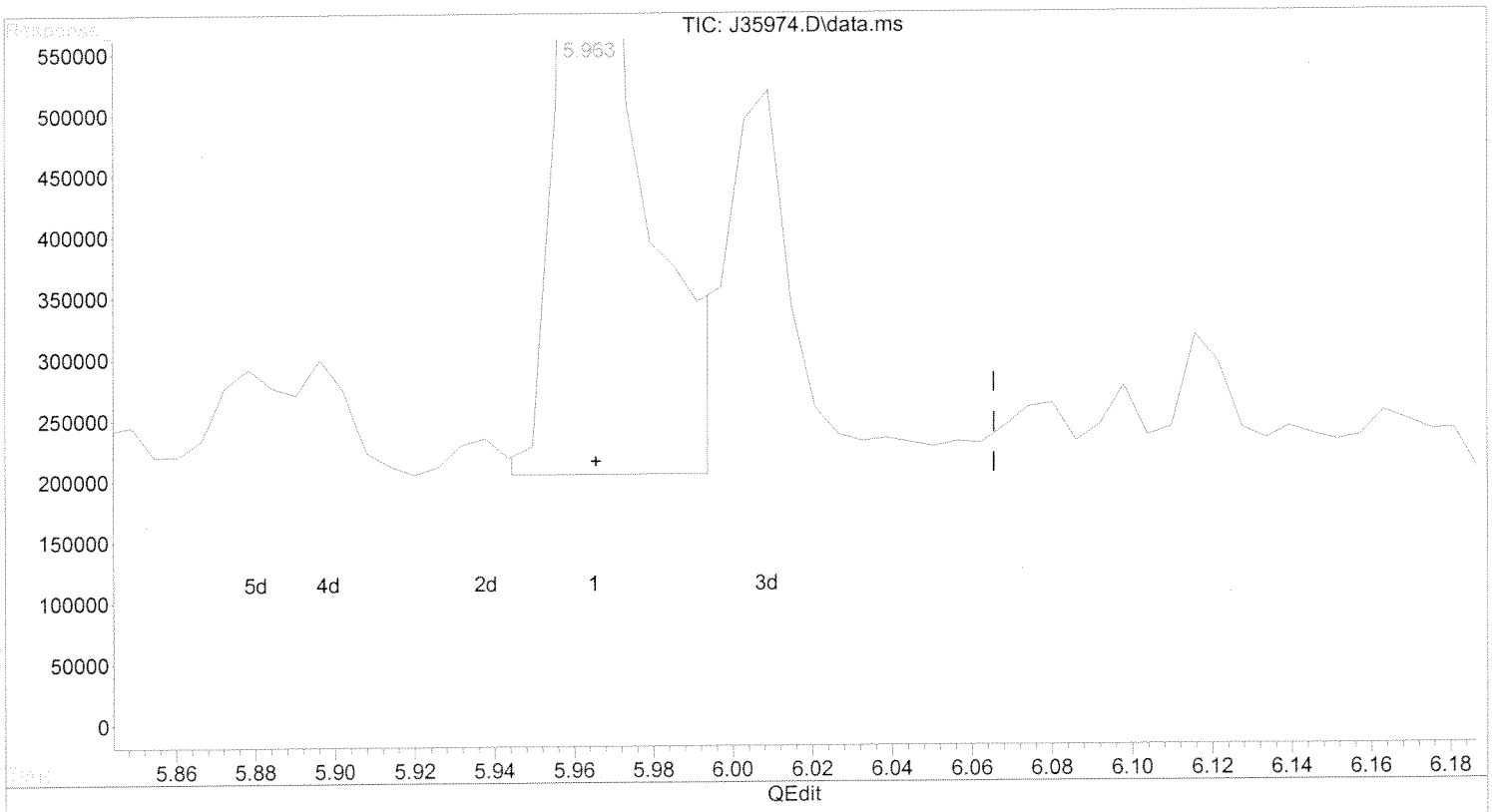
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

J9231W

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) 2-Bromonaphthalene (S)
5.963min 17.749ug/ml m
response 11324473

9/24/10

(+) = Expected Retention Time

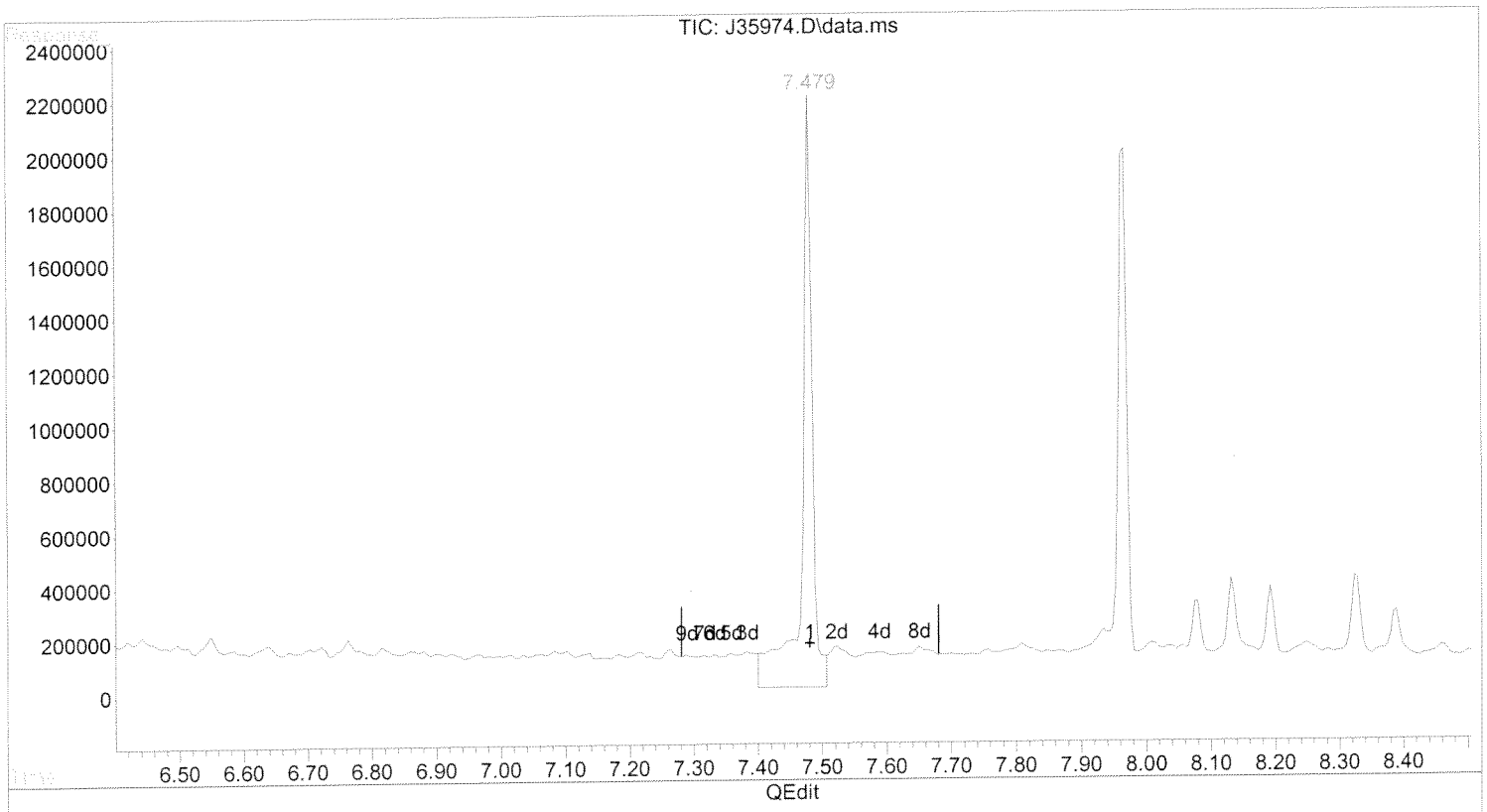
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

392310
EA

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) o-terphenyl (S)
7.481min 26.779ug/ml
response 24524289

JAV
9/24/10

(+) = Expected Retention Time

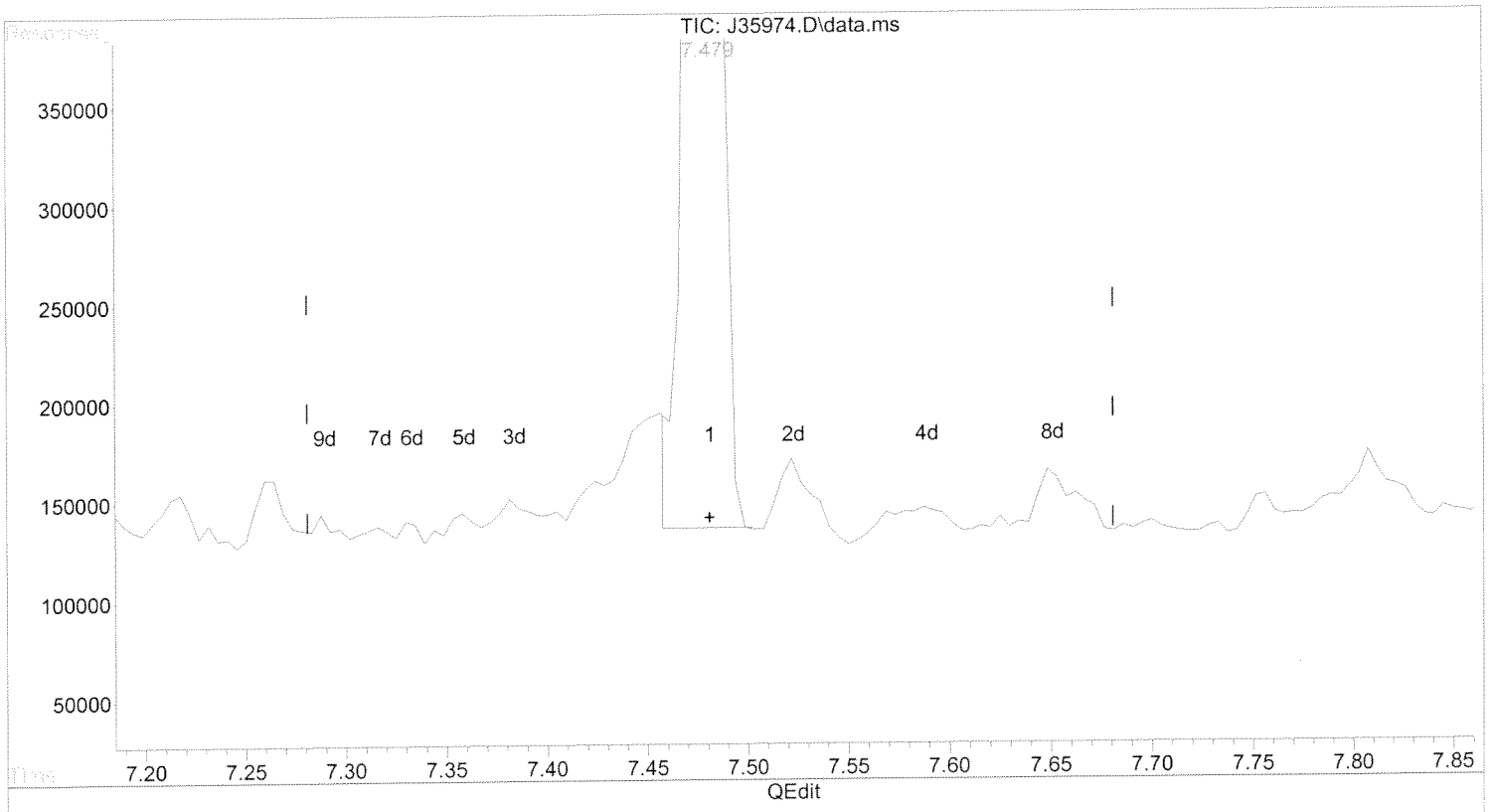
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35974.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:19 pm
Operator : AR/MG
Sample : 67834-6
Misc : SOIL,ARO
ALS Vial : 50 Sample Multiplier: 1

J92310

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) o-terphenyl (S)
7.479min 15.675ug/ml m
response 15982129

9/24/10

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71792.D
Acq On : 22 Sep 2010 6:58 pm
Sample : 67834-6
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Sep 23 3:06 2010 Quant Results File: ALG80410.RES

Vial: 47
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MN 9/23/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6274759 ✓	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	4594945	11.933 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	59.66%
Target Compounds			
2) TZM C-9	4.03	15249	<MDL ug/ml
3) TZM C-10	5.02	391804	<MDL ug/ml
4) TZM C-12	6.48	6098628	14.252 ug/ml
5) TZM C-14	7.65	8390873	19.119 ug/ml
6) TZM C-16	8.70	2311470	5.456 ug/ml
7) TZM C-18	9.62	2179487	5.172 ug/ml
8) XH C9-C18	7.38	1461258982	3507.198 ug/ml E
9) TZM C-19	10.06	855313	2.052 ug/ml
10) TZM C-20	10.45	74185	<MDL ug/ml
12) TZM C-22	11.42	218203	<MDL ug/ml
13) TZM C-24	12.69	230214	<MDL ug/ml
14) TZM C-26	14.16	692101	1.924 ug/ml
15) TZM C-28	15.69	359836	1.140 ug/ml
16) TZM C-30	17.19	266021	<MDL ug/ml
17) TZM C-36	21.25	38974	4.215 ug/ml
18) XH C19-C36	11.90	269981363	780.970 ug/ml

18.372 | 33.560

(f)=RT Delta > 1/2 Window (m)=manual int.

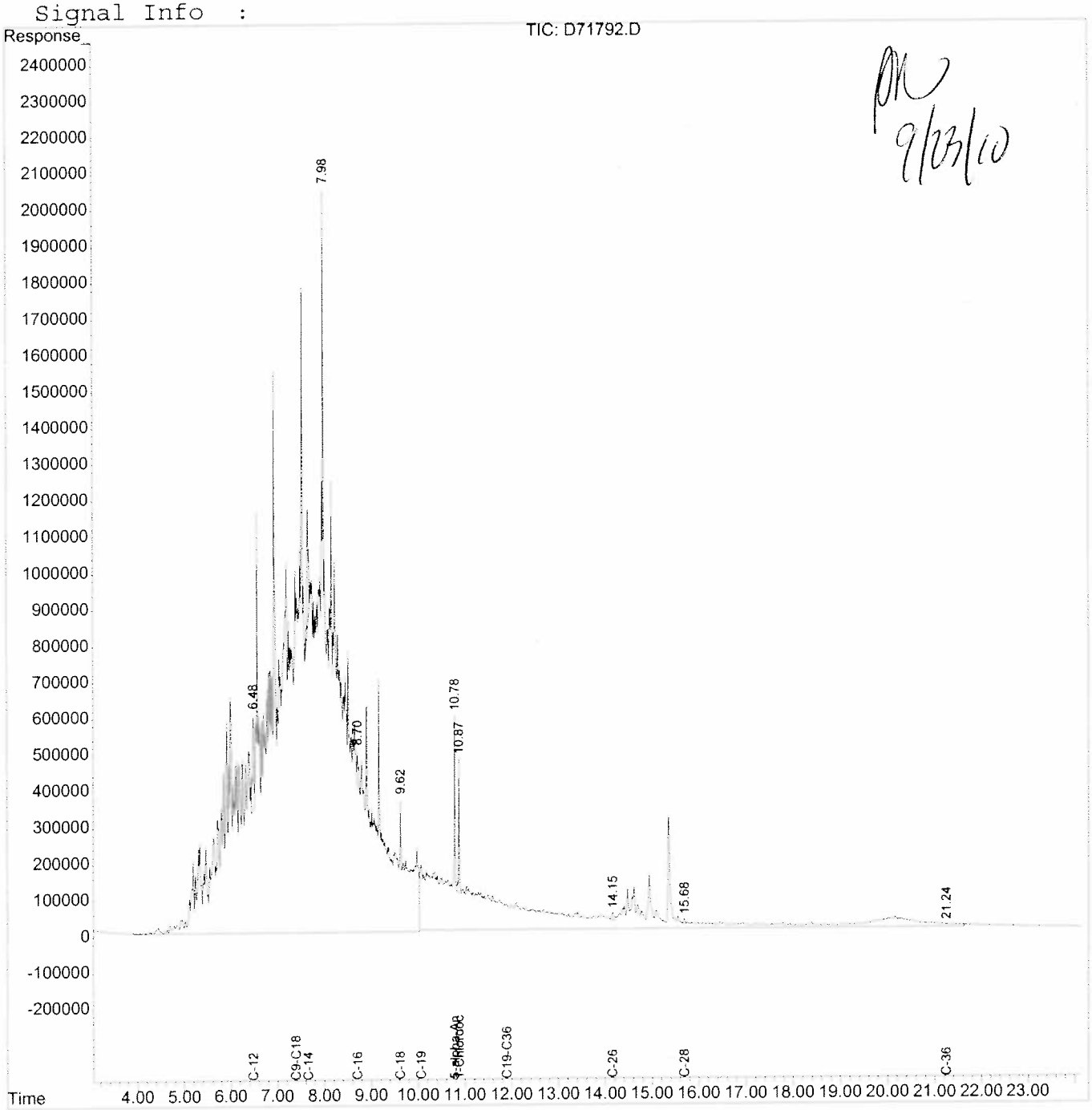
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71792.D
Acq On : 22 Sep 2010 6:58 pm
Sample : 67834-6
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Sep 23 3:06 2010 Quant Results File: ALG80410.RES

Vial: 47
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



PK 9/23/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM1-B5D

SAMPLE DATA

Lab Sample ID: 67834-6 DL
Matrix: Solid
Percent Solid: 92
Dilution Factor: 10
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	RL	Units	Result
Unadjusted C11-C22 Aromatics[1]	280000	µg/kg	NR
C9-C18 Aliphatic Hydrocarbons[1]	280000	µg/kg	**598000**
C19-C36 Aliphatic Hydrocarbons[1]	280000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]	280000	µg/kg	NR
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)			75
Aromatic Surrogate % Recovery (O-Terphenyl)			NR
Sample Surrogate Acceptance Range	--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)			NR
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)			NR
Fractionation Surrogate Acceptance Range	--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank NA=Not analyzed

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis. NR= Not reported see undiluted analysis

SIGNATURE: Mahlebell

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67834-6 DL

J42310
Report
ALIphatic
Ranges
only

Dilution Factors	ARO	1.054954		ALI 10.5495359
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	NA	83599		28132
Naphthalene		U		281
2-Methylnaphthalene		U		281
Phenanthrene		U		281
Acenaphthene		U		281
Acenaphthylene		U		281
Fluorene		U		281
Anthracene		U		281
Fluoranthene		198	J	281
Pyrene		189	J	281
Benzo[a]anthracene		199	J	281
Chrysene		322		281
Benzo[b] fluoranthene		354		281
Benzo[k] fluoranthene		145	J	281
Benzo[a] pyrene		U		281
Indeno [1,2,3-cd] pyrene		145	J	281
Dibenz [a,h] anthracene		U		281
Benzo(g,h,i) perylene		161	J	281
C9-C18 Aliphatics		597787		281321
C19-C36 Aliphatics		U		281321
C11-C22 Aromatics	NA	~~82767~~		28132
1-Chlorooctadecane (Ali)		75%	40-140%	PASS
o-terphenyl (Aro)		77%	40-140%	PASS
2-Fluorobiphenyl (Fraction)		80%	40-140%	PASS
2-Bromonaphthalene (Fraction)		67%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35974.D	---------
Date Acquired	9/22/2010 21:19	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.45**	15.45
% Solid (divided by 100)	**0.9203**	0.9203
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**10**
Calculation Factor	140.6605	1406.6048

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-141	Quadratic
2-Methylnaphthalene	-1.00	-141	Quadratic
Acenaphthylene	-1.00	-141	Quadratic
Acenaphthene	-1.00	-141	Quadratic
Fluorene	-1.00	-141	Quadratic
Phenanthrene	-1.00	-141	Quadratic
Anthracene	-1.00	-141	Quadratic
Fluoranthene	1.41	198	Quadratic
Pyrene	1.35	189	Quadratic
Benzo[a]anthracene	1.41	199	Avg RF
Chrysene	2.29	322	Avg RF
Benzo[b] fluoranthene	2.52	354	Avg RF
Benzo[k] fluoranthene	1.03	145	Avg RF
Benzo[a] pyrene	0.41	58	Avg RF
Indeno [1,2,3-cd] pyrene	1.03	145	Avg RF
Dibenz [a,h] anthracene	0.32	46	Avg RF
Benzo(g,h,i) perylene	1.14	161	Avg RF
C11-C22	**610.184**	83599	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		82767	
ALIPHATICS			
C9-C18	**441.968**	597787	
C9-C18 Hexane Blank	**16.982**		
C19-C36	**101.337**	92448	
C19-C36 Hexane Blank	**35.613**		

Surrogates		
1-Chlorooctadecane (Ali)	**1.506**	75%
2-Fluorobiphenyl (Fraction)	16.04	80%
2-Bromonaphthalene (Fraction)	13.35	67%
o-terphenyl (Aro)	15.38	77%

9/24/10

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71814.D Vial: 63
Acq On : 23 Sep 2010 6:29 am Operator: AR
Sample : 67834-6,DL Inst : GC/MS Ins
Misc : SOIL,ALI,1:10 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:52 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

3923W

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.77	5329336 ✓	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	492377	1.506 ug/ml XW
Spiked Amount 20.000 Range 40 - 140		Recovery =	7.53%# 75
Target Compounds			
2) TZM C-9	3.98	17371	<MDL ug/ml
3) TZM C-10	5.01	45527	<MDL ug/ml
4) TZM C-12	6.47	2568429	7.067 ug/ml
5) TZM C-14	7.70	2334850	6.264 ug/ml
6) TZM C-16	8.70	875042	2.432 ug/ml
7) TZM C-18	9.61	436557	1.220 ug/ml
8) XH C9-C18	7.38	156398933	441.968 ug/ml
9) TZM C-19	10.06	127885	<MDL ug/ml
10) TZM C-20	10.46	36729	<MDL ug/ml
12) TZM C-22	11.41	52994	<MDL ug/ml
13) TZM C-24	12.72	36746	<MDL ug/ml
14) TZM C-26	14.15	154257	<MDL ug/ml
15) TZM C-28	15.68	77591	<MDL ug/ml
16) TZM C-30	17.18	68335	<MDL ug/ml
17) TZM C-36	21.32	30460	4.201 ug/ml
18) XH C19-C36	11.90	29753751	101.337 ug/ml

16.982/35.613

9/24/10

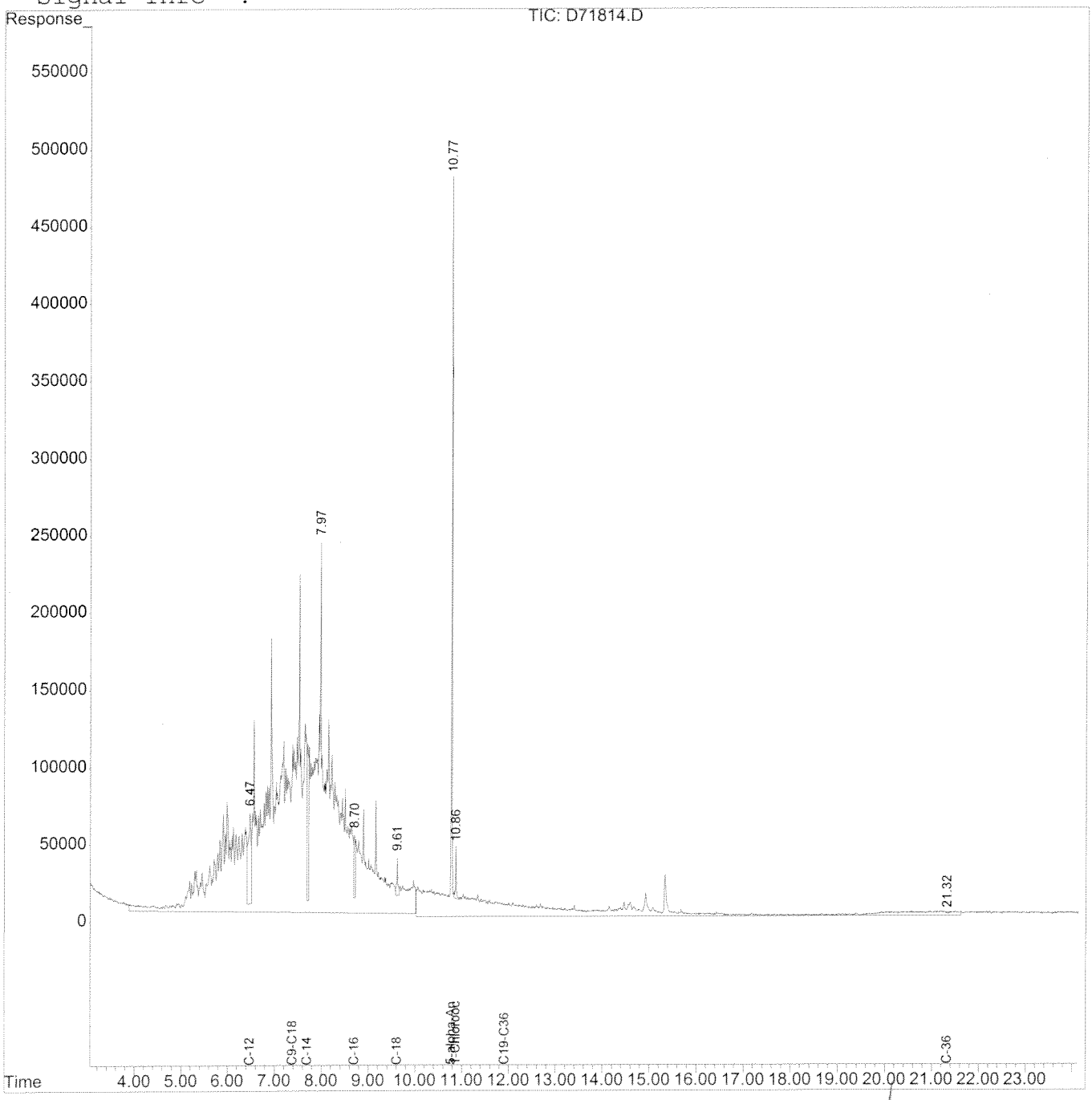
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71814.D Vial: 63
Acq On : 23 Sep 2010 6:29 am Operator: AR
Sample : 67834-6,DL Inst : GC/MS Ins
Misc : SOIL,ALI,1:10 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:52 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

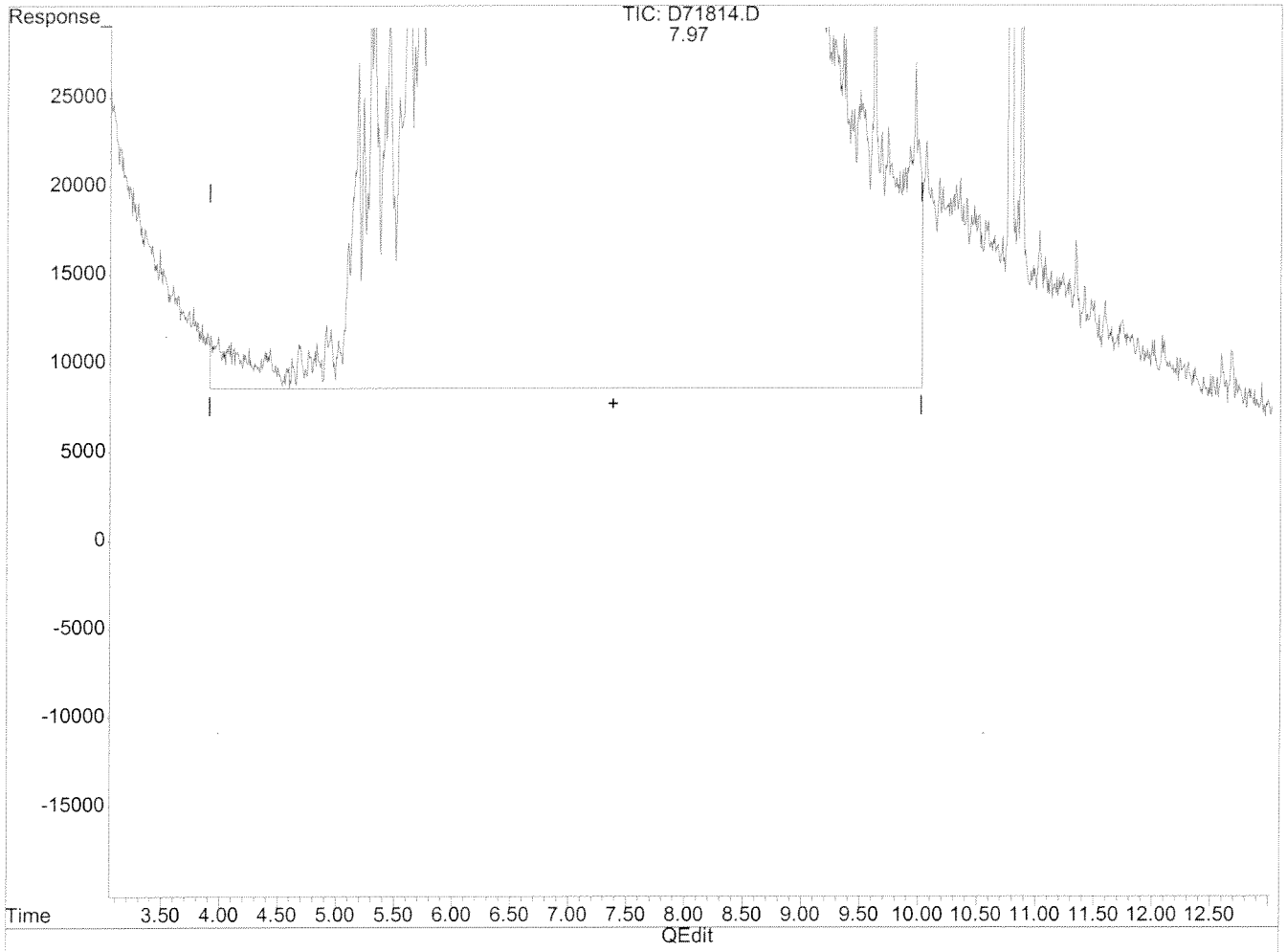


Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\092110-D\D71814.D Vial: 63
Acq On : 23 Sep 2010 6:29 am Operator: AR
Sample : 67834-6,DL Inst : GC/MS Ins
Misc : SOIL,ALI,1:10 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration

92310
MA



(8) C9-C18 (XH)

7.38min 416.221ug/ml m

response 147287827

JMO
9/24/10

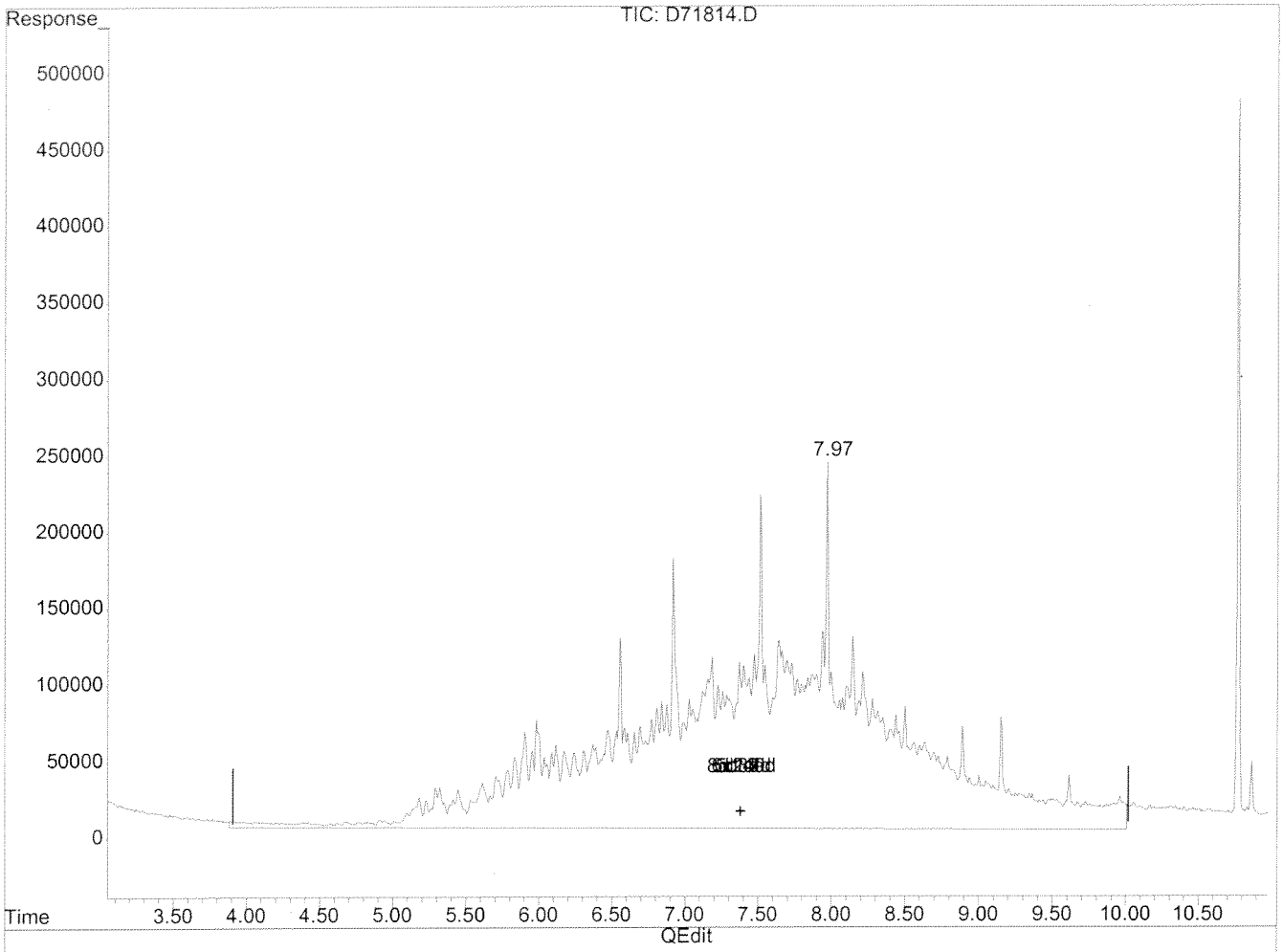
(+) = Expected Retention Time
D71814.D ALG80410.M Thu Sep 23 10:48:35 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\092110-D\D71814.D Vial: 63
Acq On : 23 Sep 2010 6:29 am Operator: AR
Sample : 67834-6,DL Inst : GC/MS Ins
Misc : SOIL,ALI,1:10 Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:48 2010 Quant Results File: ALG80410.RES

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration

34236



(8) C9-C18 (XH)

7.38min 441.968ug/ml m

response 156398933

JOM
9/24/10

(+) = Expected Retention Time
D71814.D ALG80410.M Thu Sep 23 10:52:51 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-SW-01

SAMPLE DATA

Lab Sample ID: 67834-15
Matrix: Solid
Percent Solid: 90
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29200	µg/kg	U
Diesel PAH Analytes	Naphthalene	292	µg/kg	U
	2-Methylnaphthalene	292	µg/kg	U
	Phenanthrene	292	µg/kg	U
	Acenaphthene	292	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	292	µg/kg	U
	Fluorene	292	µg/kg	U
	Anthracene	292	µg/kg	U
	Fluoranthene	292	µg/kg	U
	Pyrene	292	µg/kg	U
	Benzo[a]anthracene	292	µg/kg	U
	Chrysene	292	µg/kg	U
	Benzo[b]fluoranthene	292	µg/kg	U
	Benzo[k]fluoranthene	292	µg/kg	U
	Benzo[a]pyrene	292	µg/kg	U
	Indeno[1,2,3-cd]pyrene	292	µg/kg	U
	Dibenzo[a,h]anthracene	292	µg/kg	U
	Benzo[g,h,i]perylene	292	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		29200	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29200	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29200	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				53
Aromatic Surrogate % Recovery (O-Terphenyl)				73
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				88
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				75
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67834-15

Dilution Factors	ARO	1.093320		ALI 1.0933196
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics		U		29155
Naphthalene		U		292
2-Methylnaphthalene		U		292
Phenanthrene		U		292
Acenaphthene		U		292
Acenaphthylene		U		292
Fluorene		U		292
Anthracene		U		292
Fluoranthene		U		292
Pyrene		U		292
Benzo[a]anthracene		U		292
Chrysene		U		292
Benzo[b] fluoranthene		U		292
Benzo[k] fluoranthene		U		292
Benzo[a] pyrene		U		292
Indeno [1,2,3-cd] pyrene		U		292
Dibenz [a,h] anthracene		U		292
Benzo(g,h,i) perylene		U		292
C9-C18 Aliphatics		U		29155
C19-C36 Aliphatics		U		29155
C11-C22 Aromatics		U		29155
1-Chlorooctadecane (Ali)		53%	40-140%	PASS
o-terphenyl (Aro)		73%	40-140%	PASS
2-Fluorobiphenyl (Fraction)		88%	40-140%	PASS
2-Bromonaphthalene (Fraction)		75%	40-140%	PASS

J92310

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35975.D	---------
Date Acquired	9/22/2010 21:42	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.18**	15.18
% Solid (divided by 100)	**0.9038**	0.9038
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	145.7760	145.7760

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-146	Quadratic
2-Methylnaphthalene	-1.00	-146	Quadratic
Acenaphthylene	-1.00	-146	Quadratic
Acenaphthene	-1.00	-146	Quadratic
Fluorene	-1.00	-146	Quadratic
Phenanthrene	-1.00	-146	Quadratic
Anthracene	-1.00	-146	Quadratic
Fluoranthene	-1.00	-146	Quadratic
Pyrene	-1.00	-146	Quadratic
Benzo[a]anthracene	0.01	1	Avg RF
Chrysene	0.00	1	Avg RF
Benzo[b] fluoranthene	0.01	1	Avg RF
Benzo[k] fluoranthene	0.01	1	Avg RF
Benzo[a] pyrene	0.01	1	Avg RF
Indeno [1,2,3-cd] pyrene	0.01	1	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.01	1	Avg RF
C11-C22	**44.089**	4116	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		5421	
ALIPHATICS			
C9-C18	**18.656**	41	
C9-C18 Hexane Blank	**18.372**		
C19-C36	**47.352**	2011	
C19-C36 Hexane Blank	**33.560**		
Surrogates			
1-Chlorooctadecane (Ali)	**10.681**	53%	
2-Fluorobiphenyl (Fraction)	17.70	88%	
2-Bromonaphthalene (Fraction)	15.08	75%	
o-terphenyl (Aro)	14.59	73%	

JPN 9/24/10

Quantitation Report (Not Reviewed)

Q

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35975.D
Acq On : 22 Sep 2010 9:42 pm
Operator : AR/MG
Sample : 67834-15
Misc : SOIL,ARO
ALS Vial : 51 Sample Multiplier: 1

J4-2310

Quant Time: Sep 23 02:20:19 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	83306	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	557690	17.70 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	88.50%	88
10) 2-Bromonaphthalene	5.962	206	217309	15.08 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	75.40%	75
11) o-terphenyl	7.480	230	368028	14.59 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	72.95%	73

Target Compounds					Qvalue
2) Naphthalene	4.561	128	1909	~~Below Cal~~ #	~~95~~
3) 2-Methylnaphthalene	5.208	141	211	Below Cal	87
4) Acenaphthylene	5.849	152	138	Below Cal #	3
5) Acenaphthene	5.997	154	155	Below Cal #	40
6) Fluorene	6.430	166	196	Below Cal #	62
7) Phenanthrene	7.185	178	1447	Below Cal #	89
8) Anthracene	7.236	178	256	Below Cal #	84
12) Fluoranthene	8.136	202	2204	Below Cal #	66
13) Pyrene	8.328	202	2051	~~Below Cal~~	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

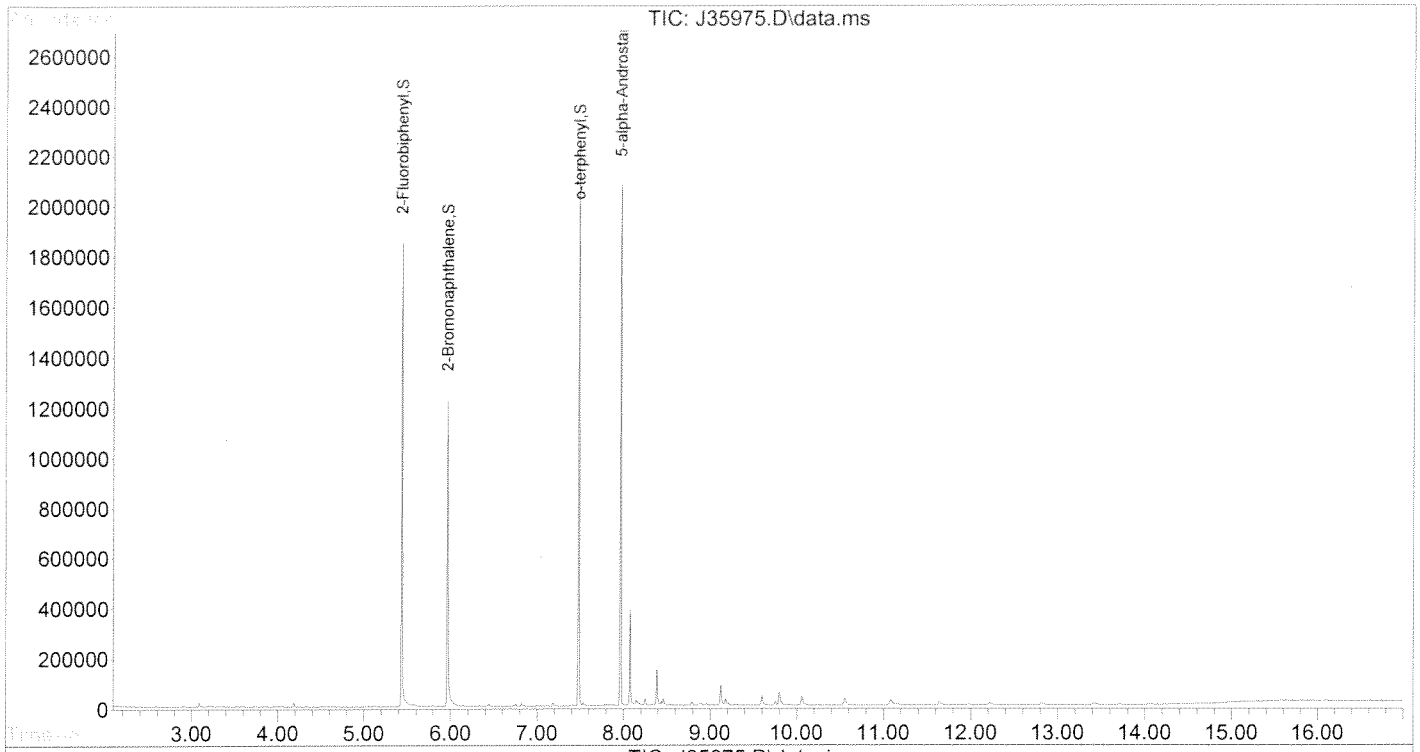
JW 9/24/10

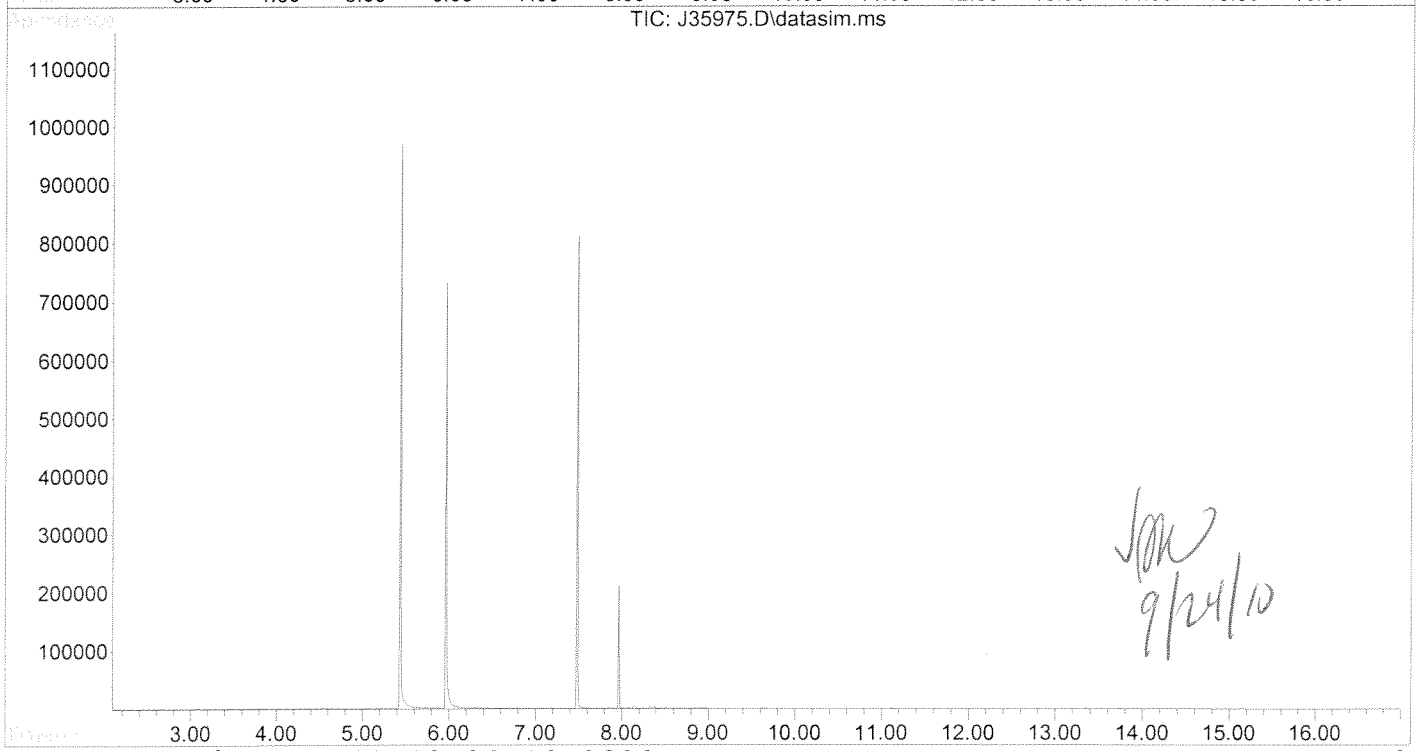
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35975.D
Acq On : 22 Sep 2010 9:42 pm
Operator : AR/MG
Sample : 67834-15
Misc : SOIL,ARO
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Sep 23 02:20:19 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J92310





JMC 9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35975.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:42 pm
Operator : AR/MG
Sample : 67834-15
Misc : SOIL,ARO
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:32 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	18380482	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	16269065	18.475 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	92.38% 92
10) S 2-Bromonaphthalene	5.965	11854056	17.040 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.20% 85
11) S o-terphenyl	7.481	17319616	15.562 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	77.81% 78
Target Compounds			
5) TZ Acenaphthene	5.965f	11854056	11.919 ug/ml
14) TZ Benzo[a]anthracene	9.601	626860	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.084	550644	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.589	18979	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.342	36327	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.427	191786	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.750	33566	<MDL ug/ml
22) XH c11-c22	12.565	39952500	44.089 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

15.855

9/24/10

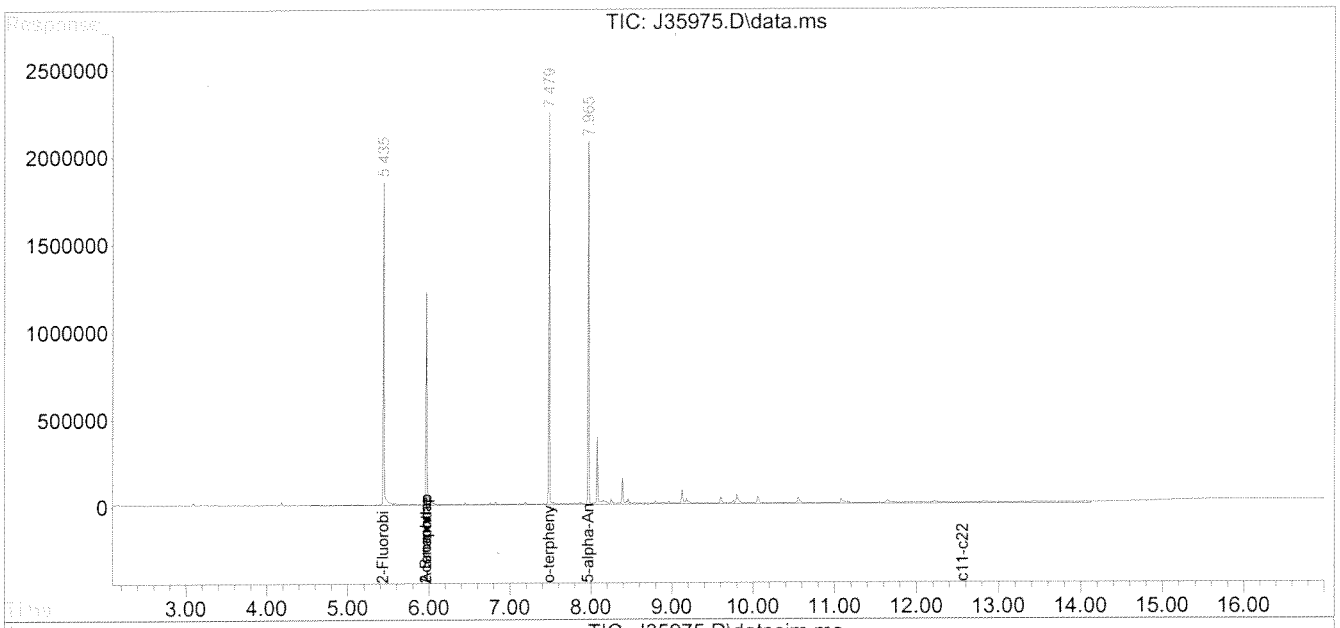
Quantitation Report (Not Reviewed)

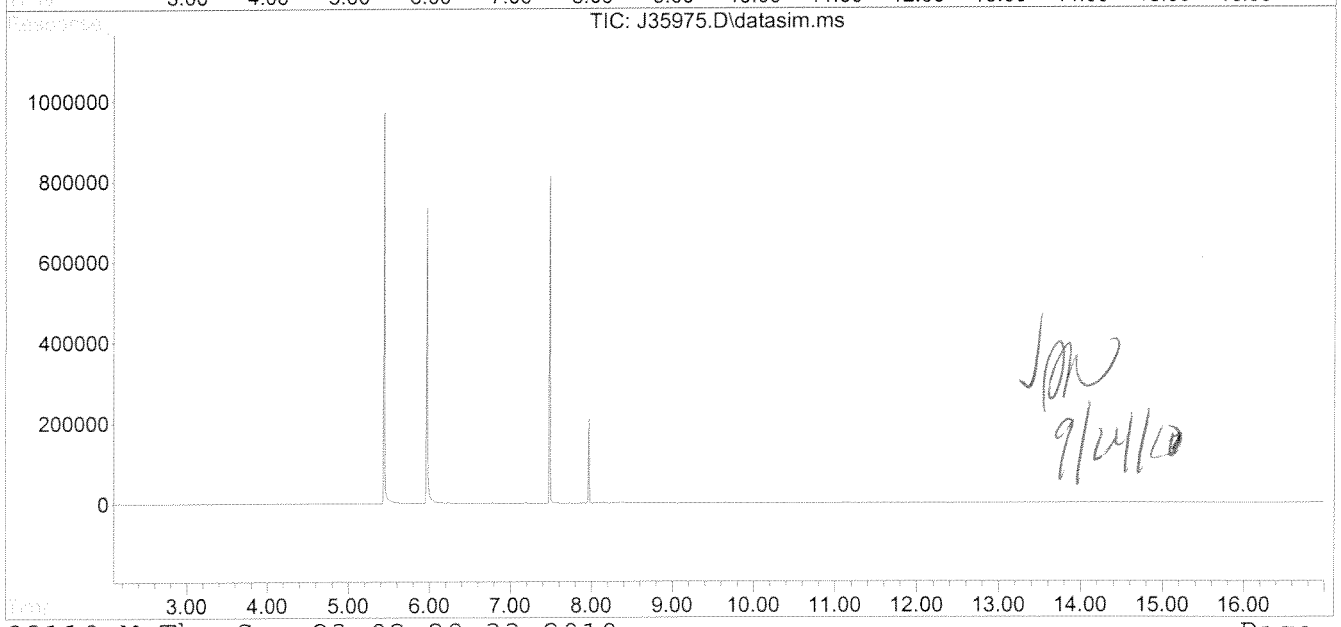
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35975.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 9:42 pm
Operator : AR/MG
Sample : 67834-15
Misc : SOIL,ARO
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:32 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J923W

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JM 9/24/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71793.D Vial: 48
Acq On : 22 Sep 2010 7:29 pm Operator: AR
Sample : 67834-15 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:07 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

J92310

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5763505	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	3777636	10.681 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	53.40%
Target Compounds			
2) TZM C-9	3.98	12728	<MDL ug/ml
3) TZM C-10	5.00	16164	<MDL ug/ml
4) TZM C-12	6.50	26837	<MDL ug/ml
5) TZM C-14	7.67	10511	<MDL ug/ml
6) TZM C-16	8.70	34165	<MDL ug/ml
7) TZM C-18	9.60	18664	<MDL ug/ml
8) XH C9-C18	7.38	7139676	18.656 ug/ml
9) TZM C-19	10.02	22920	<MDL ug/ml
10) TZM C-20	10.45	39715	<MDL ug/ml
12) TZM C-22	11.42	105775	<MDL ug/ml
13) TZM C-24	12.73	11980	<MDL ug/ml
14) TZM C-26	14.16	228986	<MDL ug/ml
15) TZM C-28	15.69	169491	<MDL ug/ml
16) TZM C-30	17.24	26062	<MDL ug/ml
17) TZM C-36	21.28	24518	4.161 ug/ml
18) XH C19-C36	11.90	15035888	47.352 ug/ml

18.372/33.560

JPW 9/24/10

(f)=RT Delta > 1/2 Window (m)=manual int.

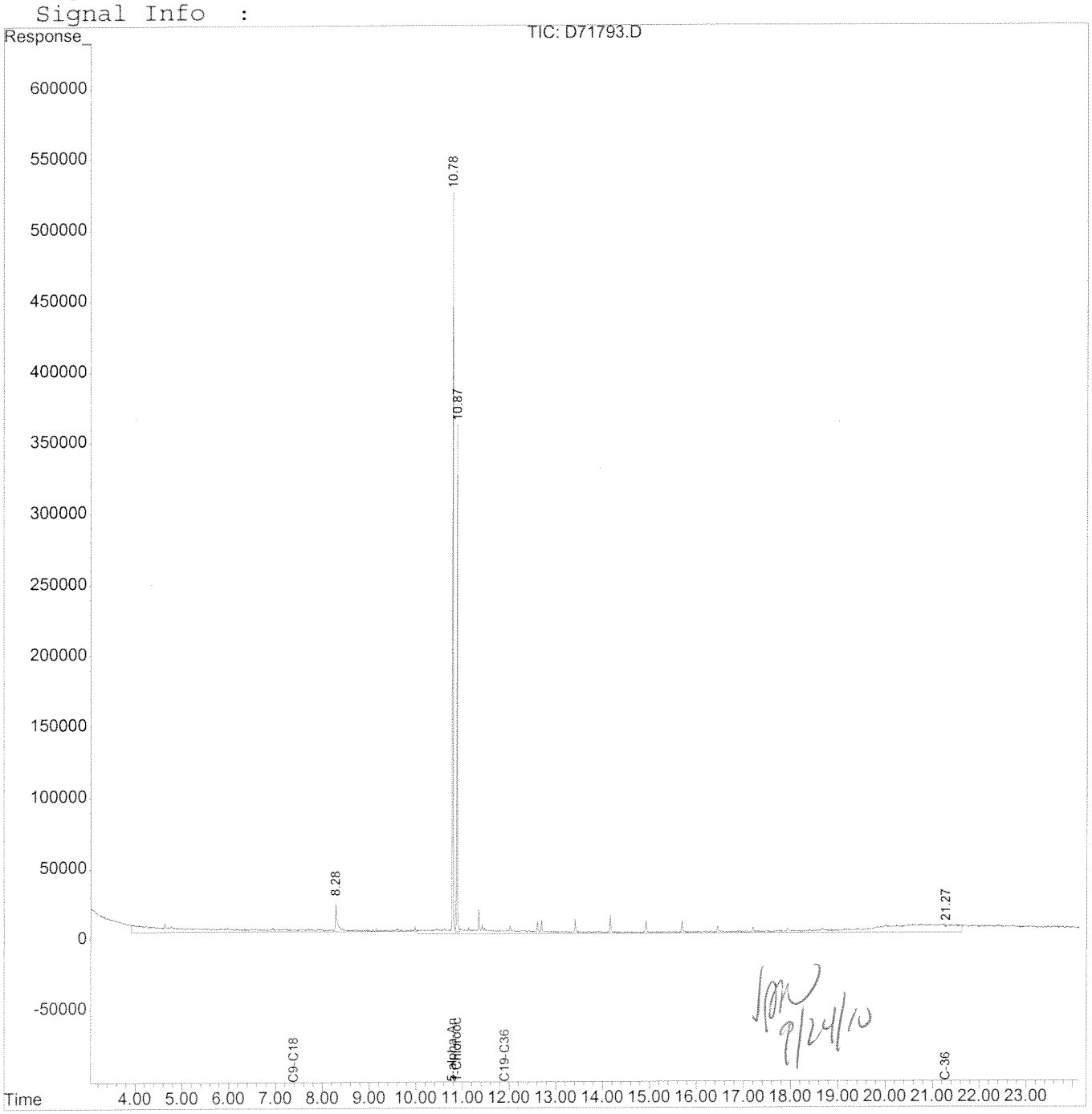
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71793.D
Vial: 48
Acq On : 22 Sep 2010 7:29 pm
Operator: AR
Sample : 67834-15
Inst : GC/MS Ins
Misc : SOIL,ALI
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:07 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

J42310

Volume Inj. :
Signal Phase :
Signal Info :



JOH 9/24/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-SW-03

SAMPLE DATA

Lab Sample ID: 67834-16
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28000	µg/kg	U
Diesel PAH Analytes	Naphthalene	280	µg/kg	U
	2-Methylnaphthalene	280	µg/kg	U
	Phenanthrene	280	µg/kg	U
	Acenaphthene	280	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	280	µg/kg	U
	Fluorene	280	µg/kg	U
	Anthracene	280	µg/kg	U
	Fluoranthene	280	µg/kg	U
	Pyrene	280	µg/kg	U
	Benzo[a]anthracene	280	µg/kg	U
	Chrysene	280	µg/kg	U
	Benzo[b]fluoranthene	280	µg/kg	U
	Benzo[k]fluoranthene	280	µg/kg	U
	Benzo[a]pyrene	280	µg/kg	U
	Indeno[1,2,3-cd]pyrene	280	µg/kg	U
	Dibenzo[a,h]anthracene	280	µg/kg	U
	Benzo[g,h,i]perylene	280	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		28000	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		28000	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		28000	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				60
Aromatic Surrogate % Recovery (O-Terphenyl)				74
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				83
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				82
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67834-16

59-231W

Dilution Factors	ARO	1.048893	ALI 1.0488929

	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		27970
Naphthalene	U		280
2-Methylnaphthalene	U		280
Phenanthrene	U		280
Acenaphthene	U		280
Acenaphthylene	U		280
Fluorene	U		280
Anthracene	U		280
Fluoranthene	U		280
Pyrene	U		280
Benzo[a]anthracene	U		280
Chrysene	U		280
Benzo[b] fluoranthene	U		280
Benzo[k] fluoranthene	U		280
Benzo[a] pyrene	U		280
Indeno [1,2,3-cd] pyrene	U		280
Dibenz [a,h] anthracene	U		280
Benzo(g,h,i) perylene	U		280
C9-C18 Aliphatics	U		27970
C19-C36 Aliphatics	U		27970
C11-C22 Aromatics	U		27970

1-Chlorooctadecane (Ali)	60%	40-140%	PASS
o-terphenyl (Aro)	74%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	83%	40-140%	PASS
2-Bromonaphthalene (Fraction)	82%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35978.D	---------
Date Acquired	9/22/2010 22:51	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.09**	15.09
% Solid (divided by 100)	**0.9477**	0.9477
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	1
Calculation Factor	139.8524	139.8524

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-140	Quadratic
2-Methylnaphthalene	-1.00	-140	Quadratic
Acenaphthylene	-1.00	-140	Quadratic
Acenaphthene	-1.00	-140	Quadratic
Fluorene	-1.00	-140	Quadratic
Phenanthrene	-1.00	-140	Quadratic
Anthracene	-1.00	-140	Quadratic
Fluoranthene	-1.00	-140	Quadratic
Pyrene	-1.00	-140	Quadratic
Benzo[a]anthracene	0.13	18	Avg RF
Chrysene	0.13	19	Avg RF
Benzo[b] fluoranthene	0.18	25	Avg RF
Benzo[k] fluoranthene	0.05	7	Avg RF
Benzo[a] pyrene	0.11	15	Avg RF
Indeno [1,2,3-cd] pyrene	0.07	9	Avg RF
Dibenz [a,h] anthracene	0.01	1	Avg RF
Benzo(g,h,i) perylene	0.10	14	Avg RF
C11-C22	**48.784**	4605	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		5756	
ALIPHATICS			
C9-C18	**20.117**	244	
C9-C18 Hexane Blank	**18.372**		
C19-C36	**40.692**	997	
C19-C36 Hexane Blank	**33.560**		

Surrogates		
1-Chlorooctadecane (Ali)	**11.982**	60%
2-Fluorobiphenyl (Fraction)	16.64	83%
2-Bromonaphthalene (Fraction)	16.47	82%
o-terphenyl (Aro)	14.88	74%

9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35978.D
Acq On : 22 Sep 2010 10:51 pm
Operator : AR/MG
Sample : 67834-16
Misc : SOIL,ARO
ALS Vial : 54 Sample Multiplier: 1

Q

Quant Time: Sep 23 02:20:26 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

S9-23-10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	88593	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	557735	16.64 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	83.20%	e3
10) 2-Bromonaphthalene	5.962	206	252381	16.47 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	82.35%	e2
11) o-terphenyl	7.480	230	399221	14.88 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	74.40%	74

Target Compounds						Qvalue
2) Naphthalene	4.567	128	2804	~~Below Cal~~		~~99~~
3) 2-Methylnaphthalene	5.137	141	769	Below Cal		93
4) Acenaphthylene	5.855	152	1387	Below Cal	#	87
5) Acenaphthene	5.991	154	354	Below Cal	#	65
6) Fluorene	6.246	166	69	Below Cal		97
7) Phenanthrene	7.180	178	6688	Below Cal	#	91
8) Anthracene	7.222	178	1363	Below Cal	#	80
12) Fluoranthene	8.136	202	12202	Below Cal	#	77
13) Pyrene	8.328	202	13086	~~Below Cal~~		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

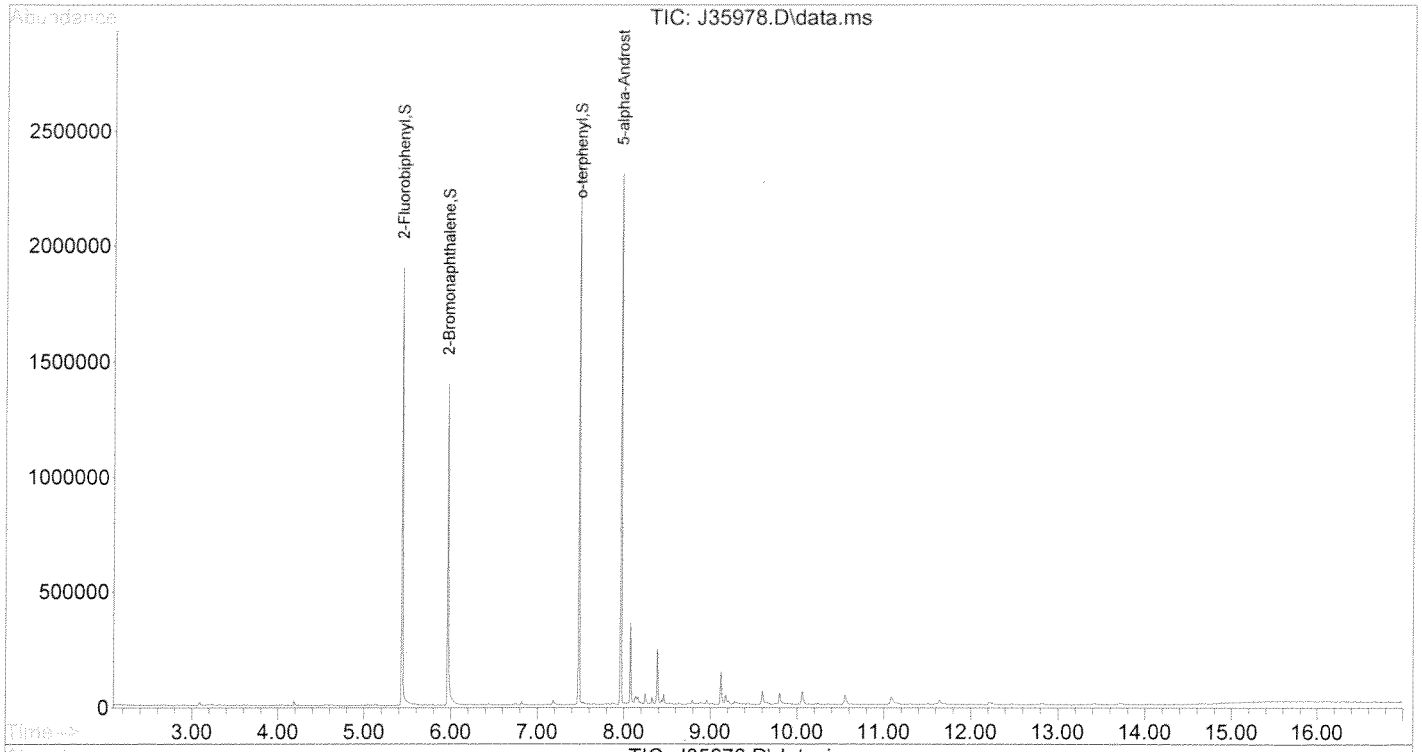
JON 9/24/10

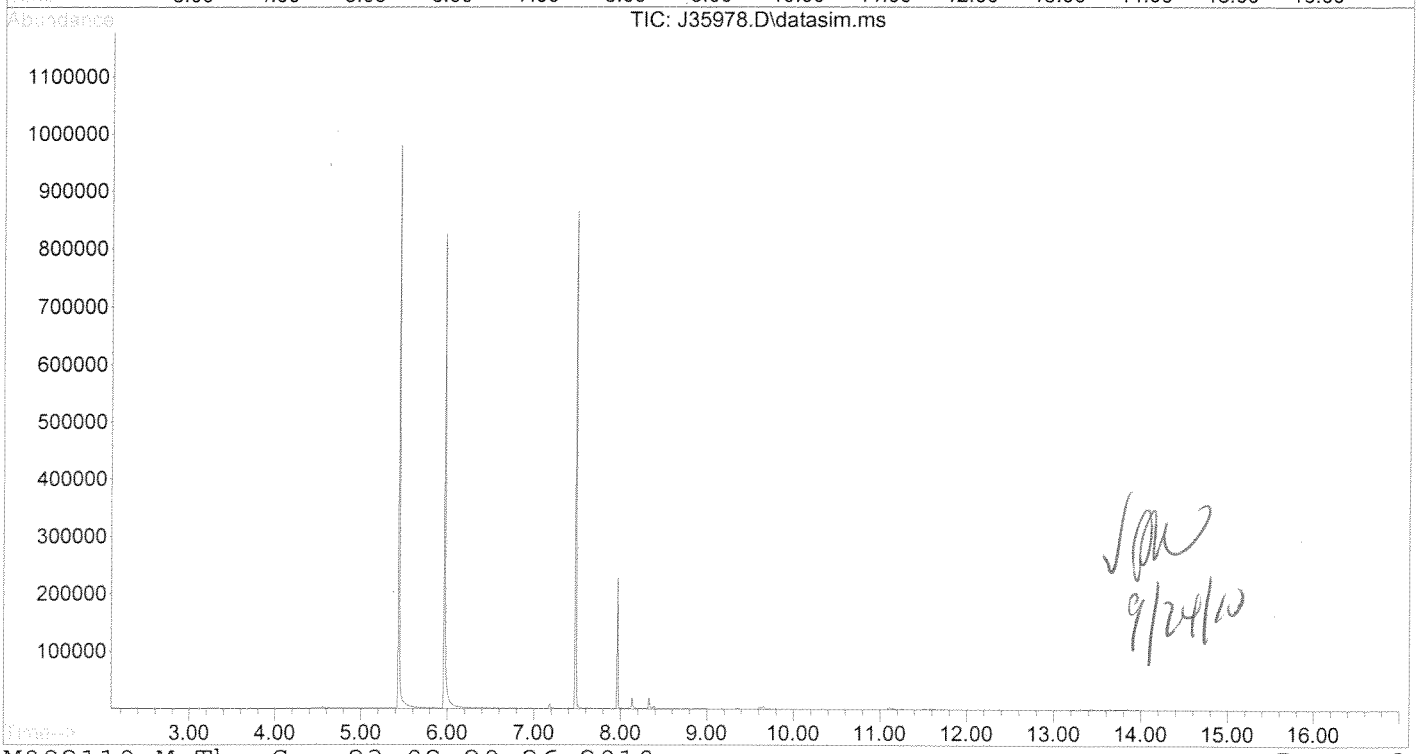
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35978.D
Acq On : 22 Sep 2010 10:51 pm
Operator : AR/MG
Sample : 67834-16
Misc : SOIL,ARO
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Sep 23 02:20:26 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J12310





9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35978.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 10:51 pm
Operator : AR/MG
Sample : 67834-16
Misc : SOIL,ARO
ALS Vial : 54 Sample Multiplier: 1

S9231U

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:34 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	19769057	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	16375221	17.143 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.72%
10) S 2-Bromonaphthalene	5.965	13593016	18.167 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	90.84%
11) S o-terphenyl	7.481	18436633	15.375 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	76.88%
Target Compounds			
5) TZ Acenaphthene	5.965f	13593016	12.822 ug/ml
14) TZ Benzo[a]anthracene	9.601	978512	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.087	953748	1.004 ug/ml
18) TZ Benzo[a] pyrene	11.591	133486	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.350	42335	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.417	111337	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.768	27170	<MDL ug/ml
22) XH c11-c22	12.565	47546714	48.784 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

15.855

9/24/10

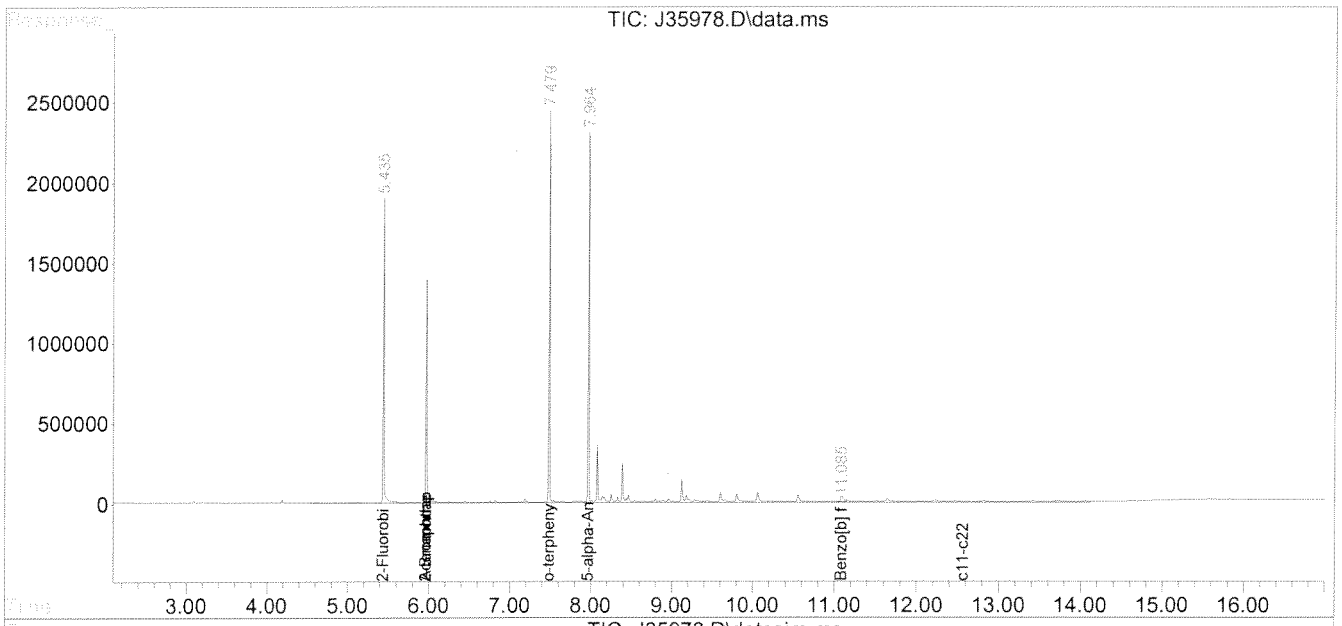
Quantitation Report (Not Reviewed)

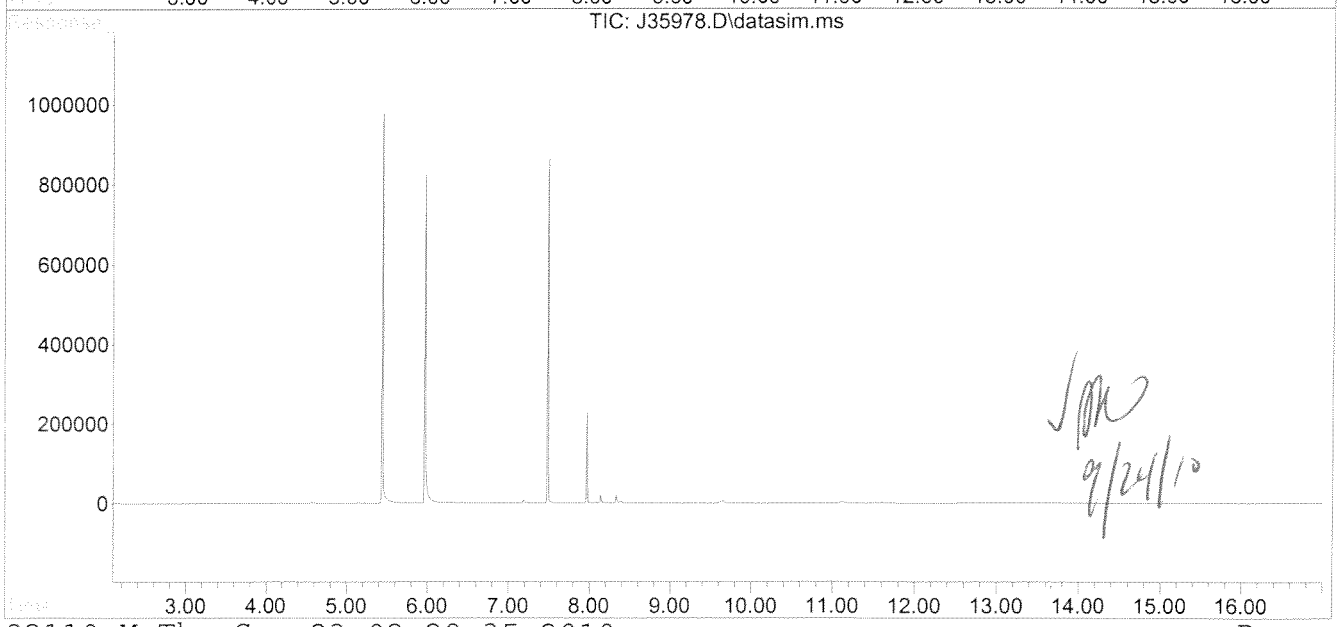
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35978.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 10:51 pm
Operator : AR/MG
Sample : 67834-16
Misc : SOIL,ARO
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:34 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JMO 9/24/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71796.D Vial: 51
Acq On : 22 Sep 2010 8:59 pm Operator: AR
Sample : 67834-16 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:07 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

J92310

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5613179	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4127318	11.982 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	59.91%
Target Compounds			
2) TZM C-9	4.03	17971	<MDL ug/ml
3) TZM C-10	5.00	14517	<MDL ug/ml
4) TZM C-12	6.50	11368	<MDL ug/ml
6) TZM C-16	8.69	30719	<MDL ug/ml
7) TZM C-18	9.60	90535	<MDL ug/ml
8) XH C9-C18	7.38	7498091	20.117 ug/ml
9) TZM C-19	10.02	32752	<MDL ug/ml
10) TZM C-20	10.44	82359	<MDL ug/ml
12) TZM C-22	11.41	95366	<MDL ug/ml
13) TZM C-24	12.69	135059	<MDL ug/ml
14) TZM C-26	14.16	233647	<MDL ug/ml
15) TZM C-28	15.69	187546	<MDL ug/ml
16) TZM C-30	17.19	103727	<MDL ug/ml
17) TZM C-36	21.25	31256	4.197 ug/ml
18) XH C19-C36	11.90	12584006	40.692 ug/ml

18.372/33.560

JDW 9/24/10

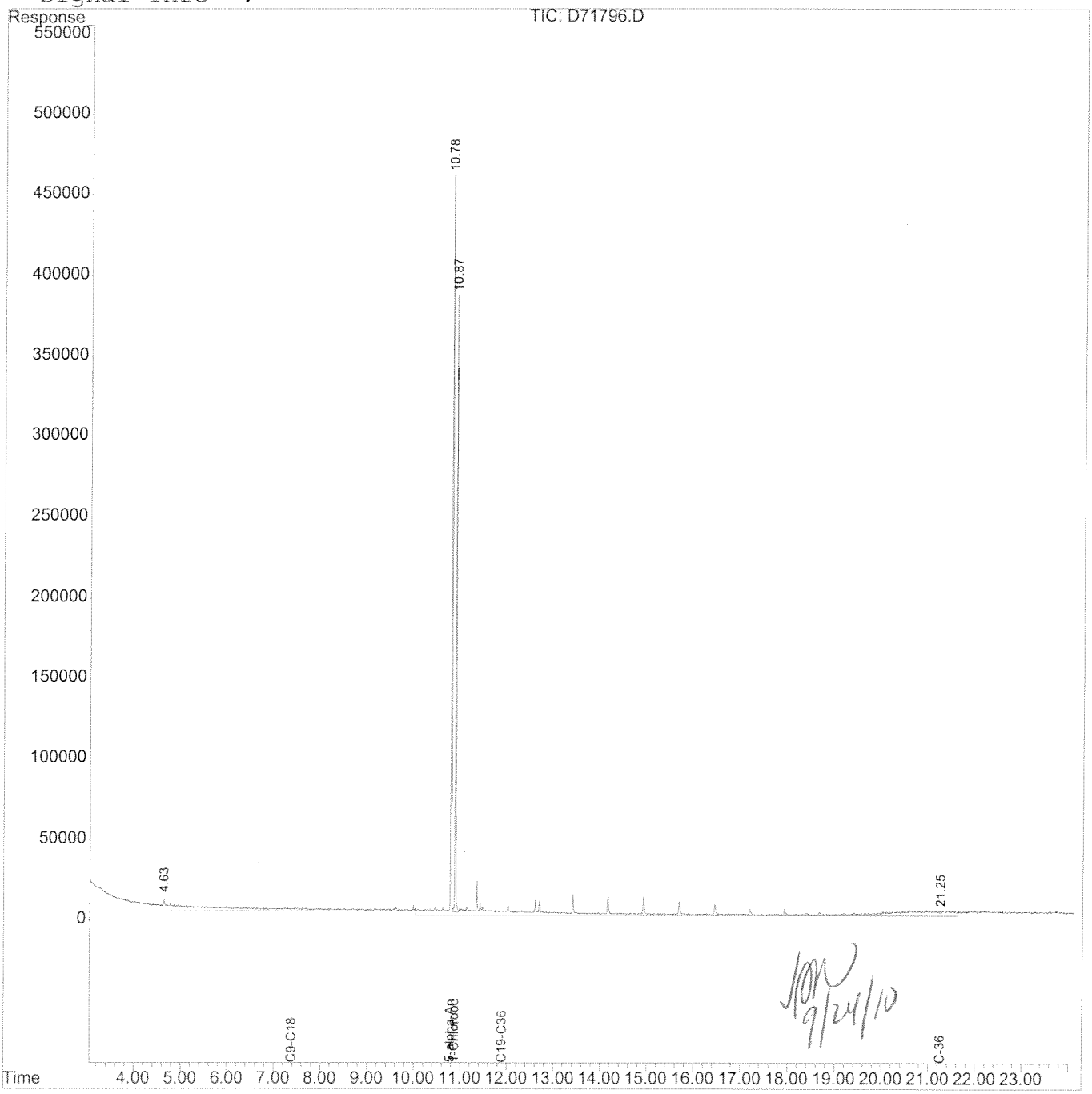
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71796.D Vial: 51
Acq On : 22 Sep 2010 8:59 pm Operator: AR
Sample : 67834-16 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:07 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



D71796.D ALG80410.M Thu Sep 23 03:07:54 2010 Page 2

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-B-5

SAMPLE DATA

Lab Sample ID: 67834-17
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27600	µg/kg	U
Diesel PAH Analytes	Naphthalene	276	µg/kg	U
	2-Methylnaphthalene	276	µg/kg	U
	Phenanthrene	276	µg/kg	U
	Acenaphthene	276	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	276	µg/kg	U
	Fluorene	276	µg/kg	U
	Anthracene	276	µg/kg	U
	Fluoranthene	276	µg/kg	U
	Pyrene	276	µg/kg	U
	Benzo[a]anthracene	276	µg/kg	U
	Chrysene	276	µg/kg	U
	Benzo[b]fluoranthene	276	µg/kg	U
	Benzo[k]fluoranthene	276	µg/kg	U
	Benzo[a]pyrene	276	µg/kg	U
	Indeno[1,2,3-cd]pyrene	276	µg/kg	U
	Dibenzo[a,h]anthracene	276	µg/kg	U
	Benzo[g,h,i]perylene	276	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27600	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				69
Aromatic Surrogate % Recovery (O-Terphenyl)				79
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				87
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				84
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67834-17

592310

Dilution Factors	ARO 1.033242		ALI 1.0332423
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		27553
Naphthalene	U		276
2-Methylnaphthalene	U		276
Phenanthrene	U		276
Acenaphthene	U		276
Acenaphthylene	U		276
Fluorene	U		276
Anthracene	U		276
Fluoranthene	U		276
Pyrene	U		276
Benzo[a]anthracene	U		276
Chrysene	U		276
Benzo[b] fluoranthene	U		276
Benzo[k] fluoranthene	U		276
Benzo[a] pyrene	U		276
Indeno [1,2,3-cd] pyrene	U		276
Dibenz [a,h] anthracene	U		276
Benzo(g,h,i) perylene	U		276
C9-C18 Aliphatics	U		27553
C19-C36 Aliphatics	U		27553
C11-C22 Aromatics	U		27553
1-Chlorooctadecane (Ali)	69%	40-140%	PASS
o-terphenyl (Aro)	79%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	87%	40-140%	PASS
2-Bromonaphthalene (Fraction)	84%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35979.D	---------
Date Acquired	9/22/2010 23:14	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.52**	15.52
% Solid (divided by 100)	**0.9354**	0.9354
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	137.7656	137.7656

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-138	Quadratic
2-Methylnaphthalene	-1.00	-138	Quadratic
Acenaphthylene	-1.00	-138	Quadratic
Acenaphthene	-1.00	-138	Quadratic
Fluorene	-1.00	-138	Quadratic
Phenanthrene	-1.00	-138	Quadratic
Anthracene	-1.00	-138	Quadratic
Fluoranthene	-1.00	-138	Quadratic
Pyrene	-1.00	-138	Quadratic
Benzo[a]anthracene	0.00	0	Avg RF
Chrysene	0.01	1	Avg RF
Benzo[b] fluoranthene	0.00	1	Avg RF
Benzo[k] fluoranthene	0.00	0	Avg RF
Benzo[a] pyrene	0.00	0	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.01	1	Avg RF
C11-C22	**54.022**	5258	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		6494	
ALIPHATICS			
C9-C18	**83.791**	9012	
C9-C18 Hexane Blank	**18.372**		
C19-C36	**66.985**	4605	
C19-C36 Hexane Blank	**33.560**		
Surrogates			
1-Chlorooctadecane (Ali)	**13.781**	69%	
2-Fluorobiphenyl (Fraction)	17.41	87%	
2-Bromonaphthalene (Fraction)	16.73	84%	
o-terphenyl (Aro)	15.72	79%	

JPW 9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35979.D
Acq On : 22 Sep 2010 11:14 pm
Operator : AR/MG
Sample : 67834-17
Misc : SOIL,ARO
ALS Vial : 55 Sample Multiplier: 1

J42310

Quant Time: Sep 23 02:20:28 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	82251	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	541586	17.41 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	87.05%	87
10) 2-Bromonaphthalene	5.962	206	238103	16.73 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	83.65%	84
11) o-terphenyl	7.480	230	391734	15.72 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	78.60%	79

Target Compounds					Qvalue
2) Naphthalene	4.561	128	2748	~~Below Cal~~ #	~~94~~
3) 2-Methylnaphthalene	5.131	141	475	Below Cal #	76
4) Acenaphthylene	5.855	152	484	Below Cal #	66
5) Acenaphthene	5.991	154	280	Below Cal #	71
6) Fluorene	6.418	166	171	Below Cal #	69
7) Phenanthrene	7.180	178	405	Below Cal #	88
8) Anthracene	7.218	178	334	Below Cal #	9
12) Fluoranthene	8.145	202	492	Below Cal #	42
13) Pyrene	8.332	202	622	Below Cal #	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

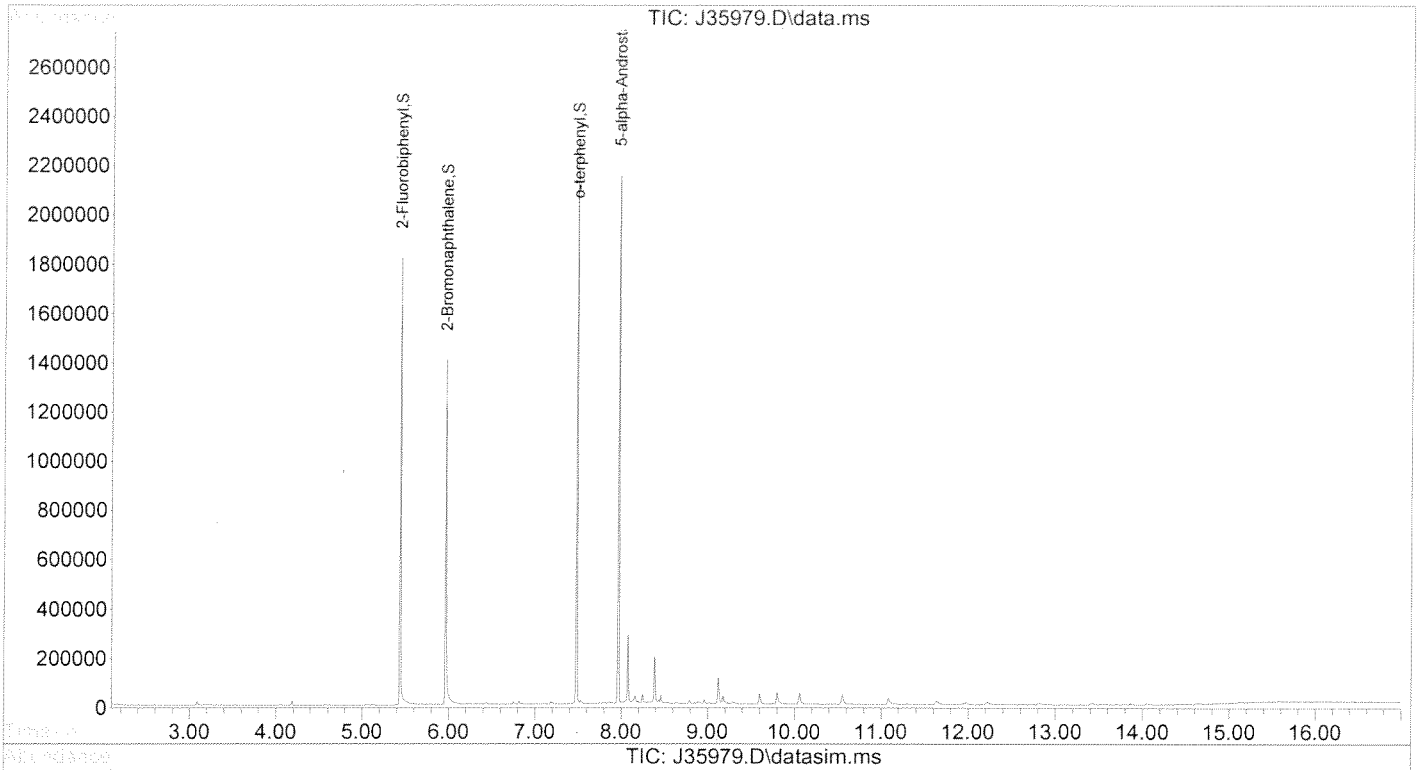
9/24/10

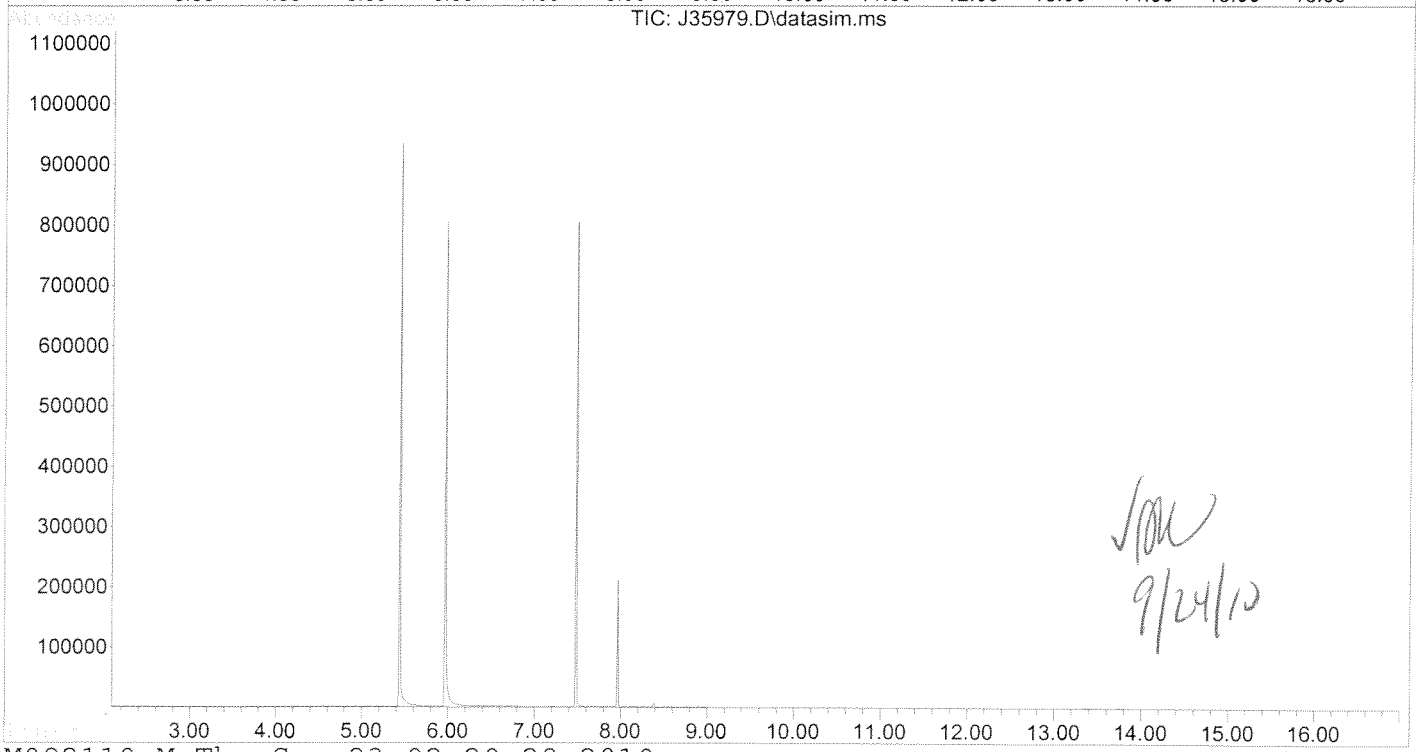
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35979.D
Acq On : 22 Sep 2010 11:14 pm
Operator : AR/MG
Sample : 67834-17
Misc : SOIL,ARO
ALS Vial : 55 Sample Multiplier: 1

Quant Time: Sep 23 02:20:28 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J92310





JDK
9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35979.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 11:14 pm
Operator : AR/MG
Sample : 67834-17
Misc : SOIL,ARO
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:36 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J9230

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	18915533 ✓	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	16129899	17.713 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	88.56% 88
10) S 2-Bromonaphthalene	5.964	13084998	18.277 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	91.39% 91
11) S o-terphenyl	7.481	18406537	16.164 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	80.82% 81
Target Compounds			
5) TZ Acenaphthene	5.964f	13084998	12.911 ug/ml
14) TZ Benzo[a]anthracene	9.601	755377	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.086	686897	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.605	20302	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.344	18643	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.424	218553	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.762	10314	<MDL ug/ml
22) XH c11-c22	12.565	50378981	54.022 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

15.855

9/24/10

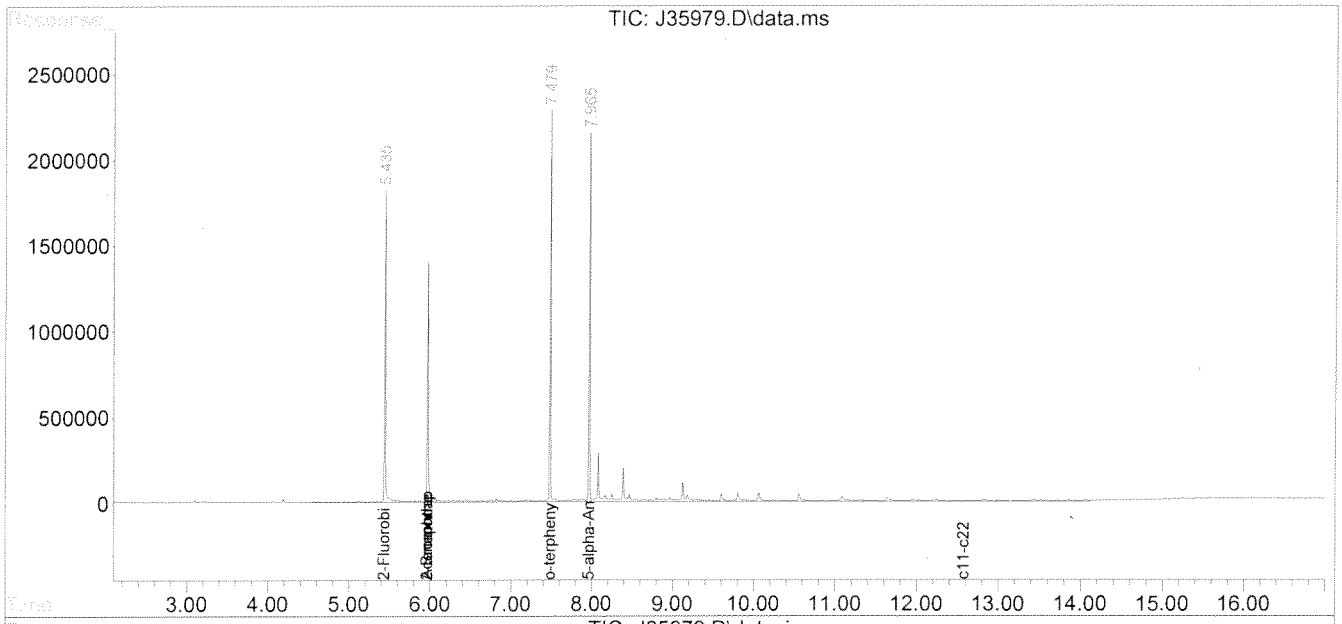
Quantitation Report (Not Reviewed)

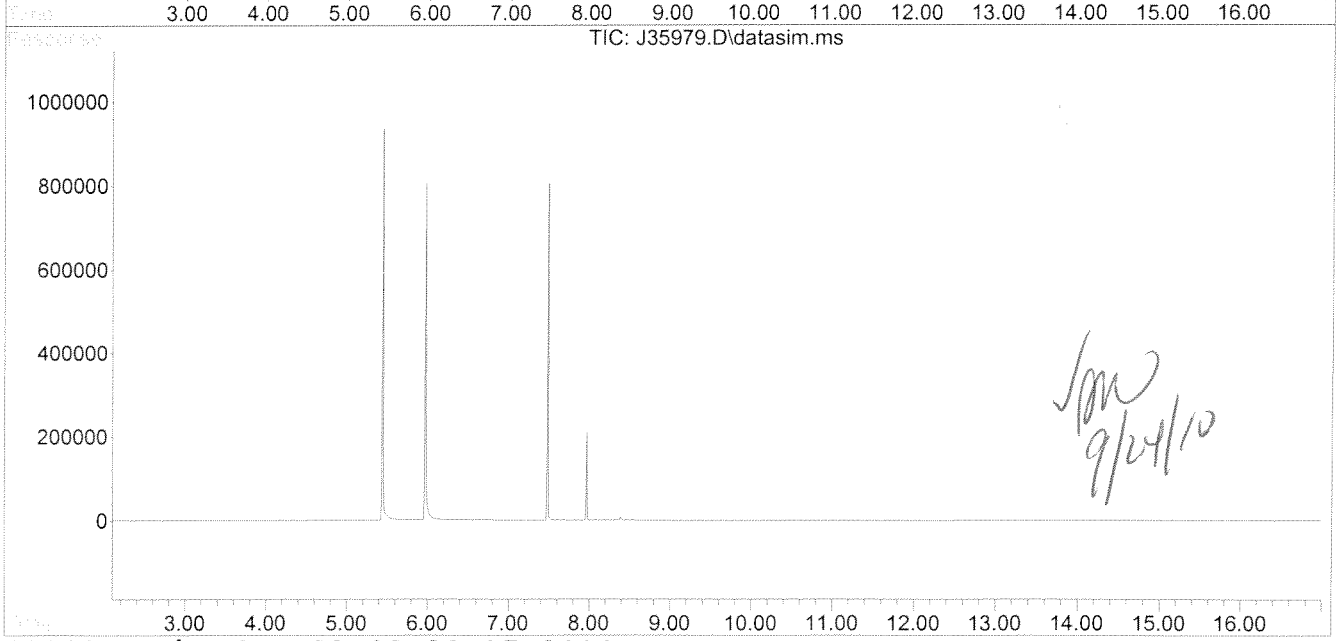
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35979.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 11:14 pm
Operator : AR/MG
Sample : 67834-17
Misc : SOIL,ARO
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:36 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J42310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/24/10

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71797.D Vial: 52
Acq On : 22 Sep 2010 9:29 pm Operator: AR
Sample : 67834-17 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:08 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

092310

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5391649	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4559660	13.781 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	68.91%
Target Compounds			
2) TZM C-9	4.00	18326	<MDL ug/ml
3) TZM C-10	5.03	9962	<MDL ug/ml
4) TZM C-12	6.49	36509	<MDL ug/ml
6) TZM C-16	8.70	99766	<MDL ug/ml
7) TZM C-18	9.60	45686	<MDL ug/ml
8) XH C9-C18	7.38	29997670	83.791 ug/ml
9) TZM C-19	10.02	71396	<MDL ug/ml
10) TZM C-20	10.45	95202	<MDL ug/ml
12) TZM C-22	11.41	92395	<MDL ug/ml
13) TZM C-24	12.69	134479	<MDL ug/ml
14) TZM C-26	14.16	247824	<MDL ug/ml
15) TZM C-28	15.73	18226	<MDL ug/ml
16) TZM C-30	17.19	68111	<MDL ug/ml
17) TZM C-36	21.29	36309	4.229 ug/ml
18) XH C19-C36	11.90	19897543	66.985 ug/ml

JOW 9/24/10

18,372/33,560

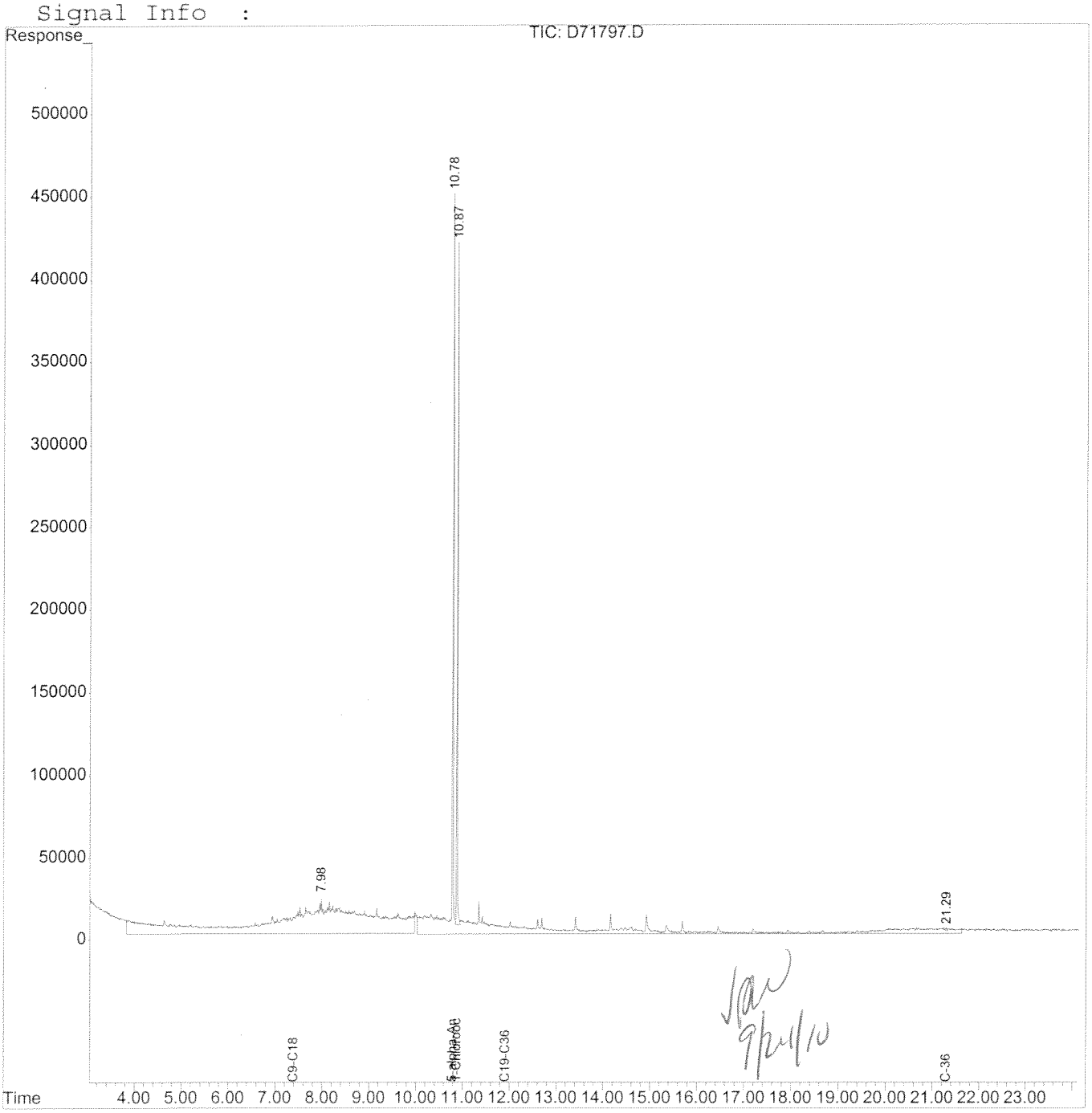
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71797.D Vial: 52
Acq On : 22 Sep 2010 9:29 pm Operator: AR
Sample : 67834-17 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:08 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

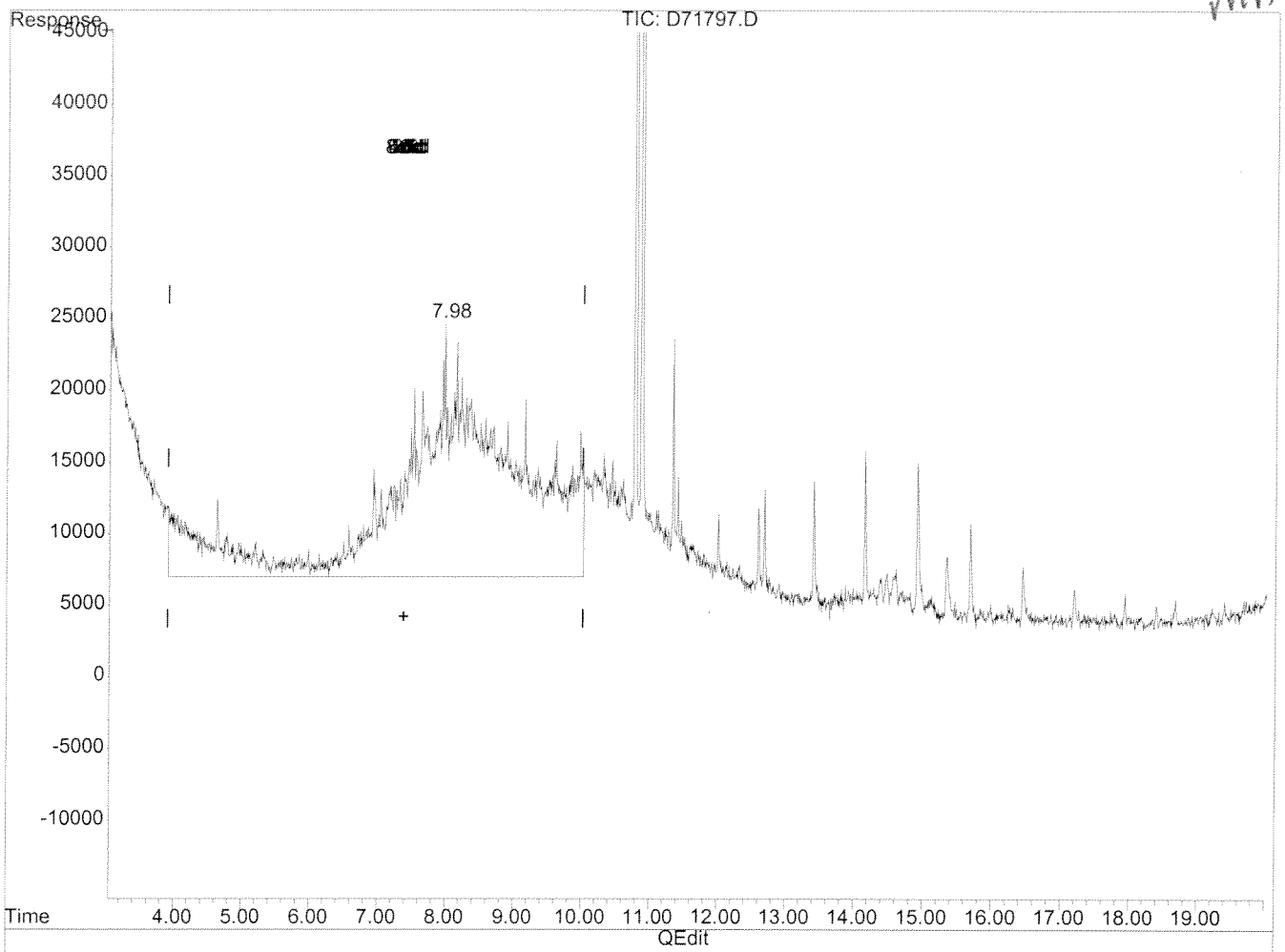


Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\092110-D\D71797.D Vial: 52
Acq On : 22 Sep 2010 9:29 pm Operator: AR
Sample : 67834-17 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:08 2010 Quant Results File: ALG80410.RES

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration

D9231W
MA



(8) C9-C18 (XH)

7.38min 50.214ug/ml m

response 17976972

JOW
9/24/10

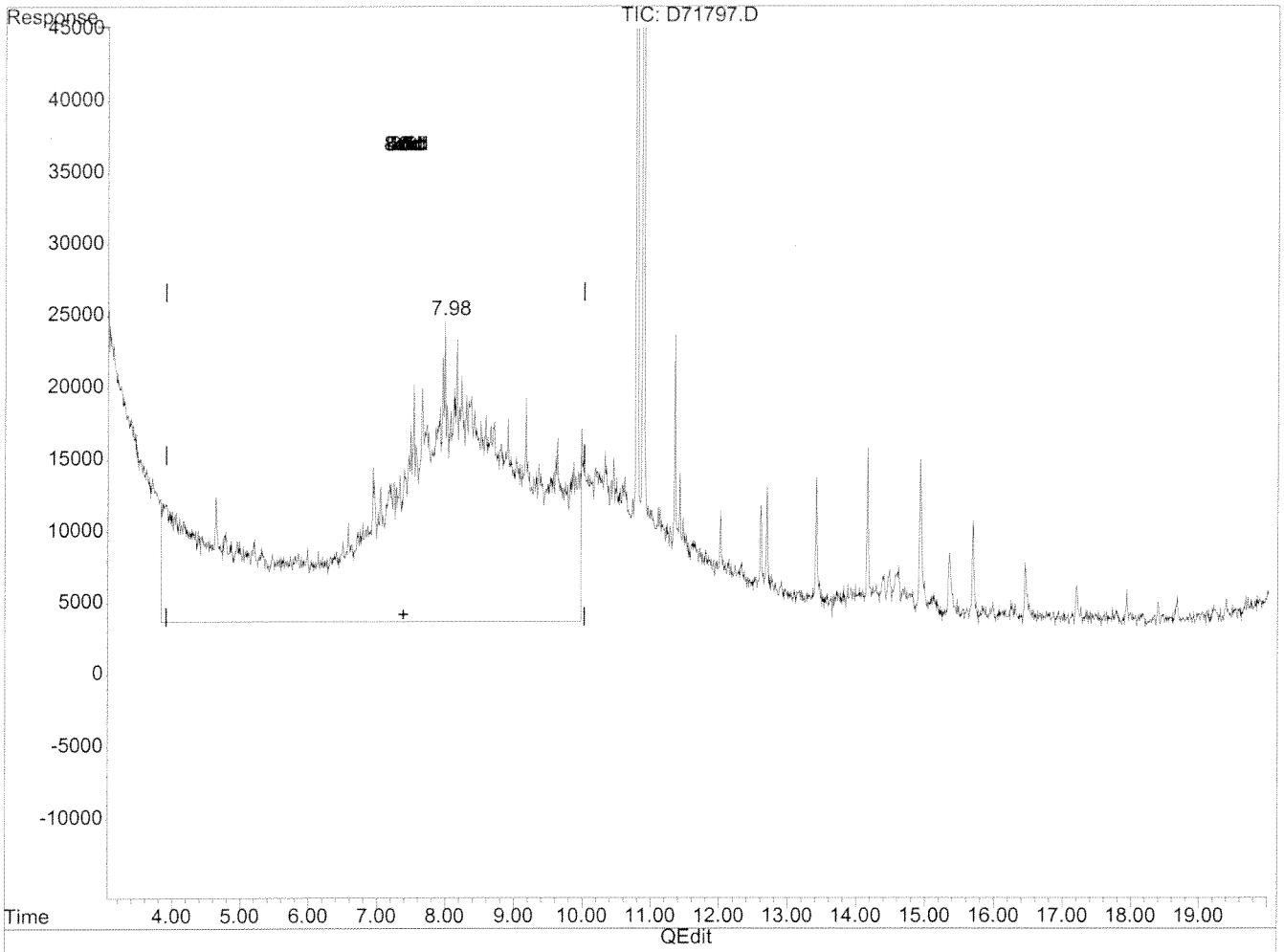
(+) = Expected Retention Time
D71797.D ALG80410.M Thu Sep 23 03:08:42 2010

Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\092110-D\D71797.D Vial: 52
Acq On : 22 Sep 2010 9:29 pm Operator: AR
Sample : 67834-17 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:08 2010 Quant Results File: ALG80410.RES

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration

JH23W



(8) C9-C18 (XH)

7.38min 83.791ug/ml m

response 29997670

9/24/10

(+) = Expected Retention Time
D71797.D ALG80410.M Thu Sep 23 03:08:51 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: Bldg. 82, SOWEY

Project Number: CT048
Client Sample ID: C-B82-GTM3-SW-04

SAMPLE DATA

Lab Sample ID: 67834-18
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27600	µg/kg	U
Diesel PAH Analytes	Naphthalene	276	µg/kg	U
	2-Methylnaphthalene	276	µg/kg	U
	Phenanthrene	276	µg/kg	U
	Acenaphthene	276	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	276	µg/kg	U
	Fluorene	276	µg/kg	U
	Anthracene	276	µg/kg	U
	Fluoranthene	276	µg/kg	U
	Pyrene	276	µg/kg	U
	Benzo[a]anthracene	276	µg/kg	U
	Chrysene	276	µg/kg	U
	Benzo[b]fluoranthene	276	µg/kg	U
	Benzo[k]fluoranthene	276	µg/kg	U
	Benzo[a]pyrene	276	µg/kg	U
	Indeno[1,2,3-cd]pyrene	276	µg/kg	U
	Dibenzo[a,h]anthracene	276	µg/kg	U
	Benzo[g,h,i]perylene	276	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27600	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27600	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				74
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				84
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				79
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mbubell

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67834-18

J12310

Dilution Factors	ARO	1.032828		ALI 1.0328277
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics		U		27542
Naphthalene		U		275
2-Methylnaphthalene		U		275
Phenanthrene		U		275
Acenaphthene		U		275
Acenaphthylene		U		275
Fluorene		U		275
Anthracene		U		275
Fluoranthene		U		275
Pyrene		U		275
Benzo[a]anthracene		U		275
Chrysene		U		275
Benzo[b] fluoranthene		U		275
Benzo[k] fluoranthene		U		275
Benzo[a] pyrene		U		275
Indeno [1,2,3-cd] pyrene		U		275
Dibenz [a,h] anthracene		U		275
Benzo(g,h,i) perylene		U		275
C9-C18 Aliphatics		U		27542
C19-C36 Aliphatics		U		27542
C11-C22 Aromatics		U		27542
1-Chlorooctadecane (Ali)		64%	40-140%	PASS
o-terphenyl (Aro)		74%	40-140%	PASS
2-Fluorobiphenyl (Fraction)		84%	40-140%	PASS
2-Bromonaphthalene (Fraction)		79%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35980.D	---------
Date Acquired	9/22/2010 23:37	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.47**	15.47
% Solid (divided by 100)	**0.9388**	0.9388
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	137.7104	137.7104

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-138	Quadratic
2-Methylnaphthalene	-1.00	-138	Quadratic
Acenaphthylene	-1.00	-138	Quadratic
Acenaphthene	-1.00	-138	Quadratic
Fluorene	-1.00	-138	Quadratic
Phenanthrene	-1.00	-138	Quadratic
Anthracene	-1.00	-138	Quadratic
Fluoranthene	-1.00	-138	Quadratic
Pyrene	-1.00	-138	Quadratic
Benzo[a]anthracene	0.01	1	Avg RF
Chrysene	0.02	2	Avg RF
Benzo[b] fluoranthene	0.00	0	Avg RF
Benzo[k] fluoranthene	0.01	1	Avg RF
Benzo[a] pyrene	0.00	1	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.02	3	Avg RF
C11-C22	**55.256**	5426	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		6656	
ALIPHATICS			
C9-C18	**18.289**	-11	
C9-C18 Hexane Blank	**18.372**		
C19-C36	**46.946**	1843	
C19-C36 Hexane Blank	**33.560**		
Surrogates			
1-Chlorooctadecane (Ali)	**12.861**	64%	
2-Fluorobiphenyl (Fraction)	16.78	84%	
2-Bromonaphthalene (Fraction)	15.82	79%	
o-terphenyl (Aro)	14.81	74%	

9/24/10

Quantitation Report (Not Reviewed)

Q

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35980.D
Acq On : 22 Sep 2010 11:37 pm
Operator : AR/MG
Sample : 67834-18
Misc : SOIL,ARO
ALS Vial : 56 Sample Multiplier: 1

SY-2310

Quant Time: Sep 23 02:20:30 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	97662 ✓	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	620000	16.78 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	83.90%	84
10) 2-Bromonaphthalene	5.962	206	267334	15.82 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	79.10%	79
11) o-terphenyl	7.480	230	438239	14.81 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	74.05%	74
Target Compounds					Qvalue
2) Naphthalene	4.561	128	3189	~~Below Cal~~	~~# 90~~
3) 2-Methylnaphthalene	5.131	141	758	Below Cal	86
4) Acenaphthylene	5.849	152	469	Below Cal	# 85
5) Acenaphthene	5.991	154	141	Below Cal	# 1
6) Fluorene	6.413	166	241	Below Cal	# 78
7) Phenanthrene	7.175	178	619	Below Cal	# 74
8) Anthracene	7.222	178	410	Below Cal	# 46
12) Fluoranthene	8.140	202	1336	Below Cal	# 64
13) Pyrene	8.332	202	1353	Below Cal	# 78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

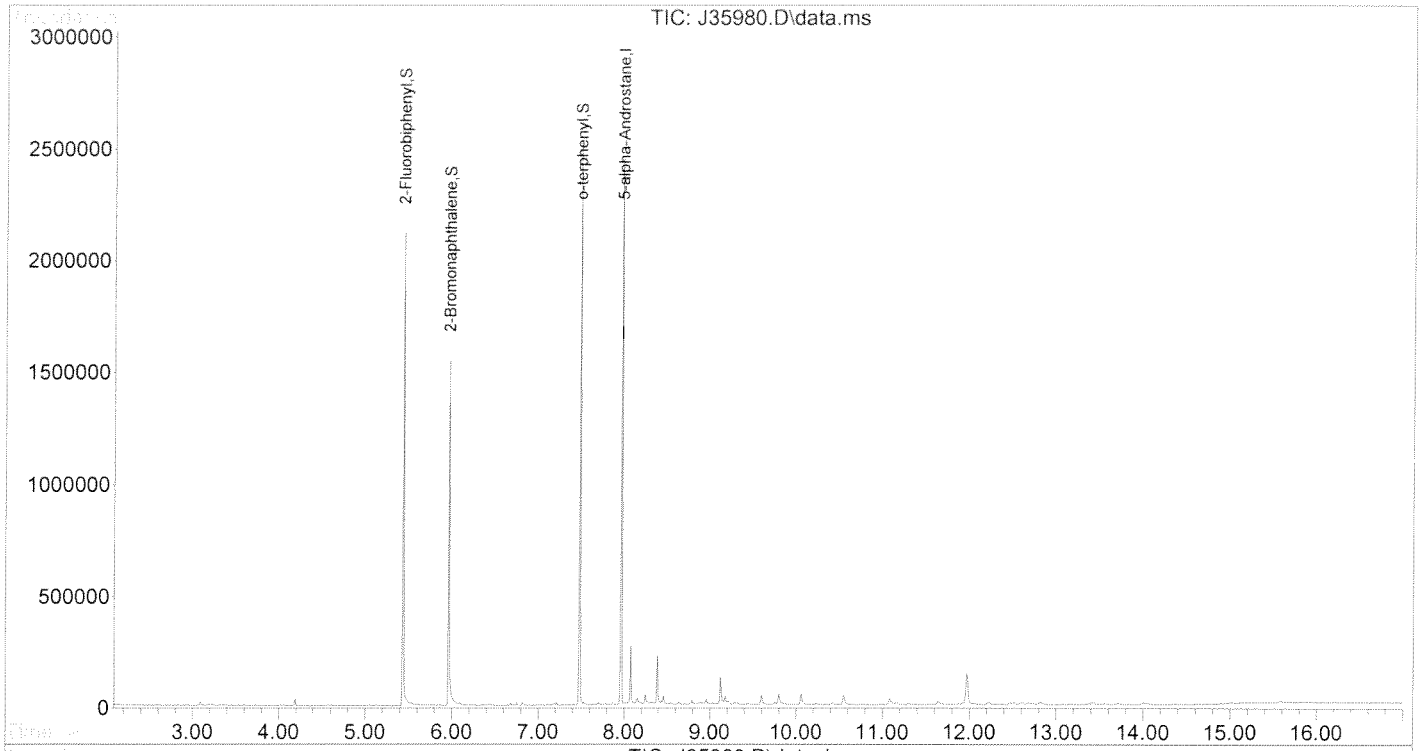
JM
9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35980.D
Acq On : 22 Sep 2010 11:37 pm
Operator : AR/MG
Sample : 67834-18
Misc : SOIL,ARO
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Sep 23 02:20:30 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J9236W



JAN
9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35980.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 11:37 pm
Operator : AR/MG
Sample : 67834-18
Misc : SOIL,ARO
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:38 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	22151554	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	18327290	17.121 ug/ml
Spiked Amount 20.000 Range	40 - 140	Recovery =	85.61% 86
10) S 2-Bromonaphthalene	5.965	14411614	17.189 ug/ml
Spiked Amount 20.000 Range	40 - 140	Recovery =	85.95% 86
11) S o-terphenyl	7.482	20316255	15.077 ug/ml
Spiked Amount 20.000 Range	40 - 140	Recovery =	75.39% 75
Target Compounds			
5) TZ Acenaphthene	5.965f	14411614	12.038 ug/ml
14) TZ Benzo[a]anthracene	9.601	826881	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.085	707779	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.594	54293	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.358	37679	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.420	410035	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.792	40602	<MDL ug/ml
22) XH c11-c22	12.565	60344900	55.256 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

15.855

9/24/10

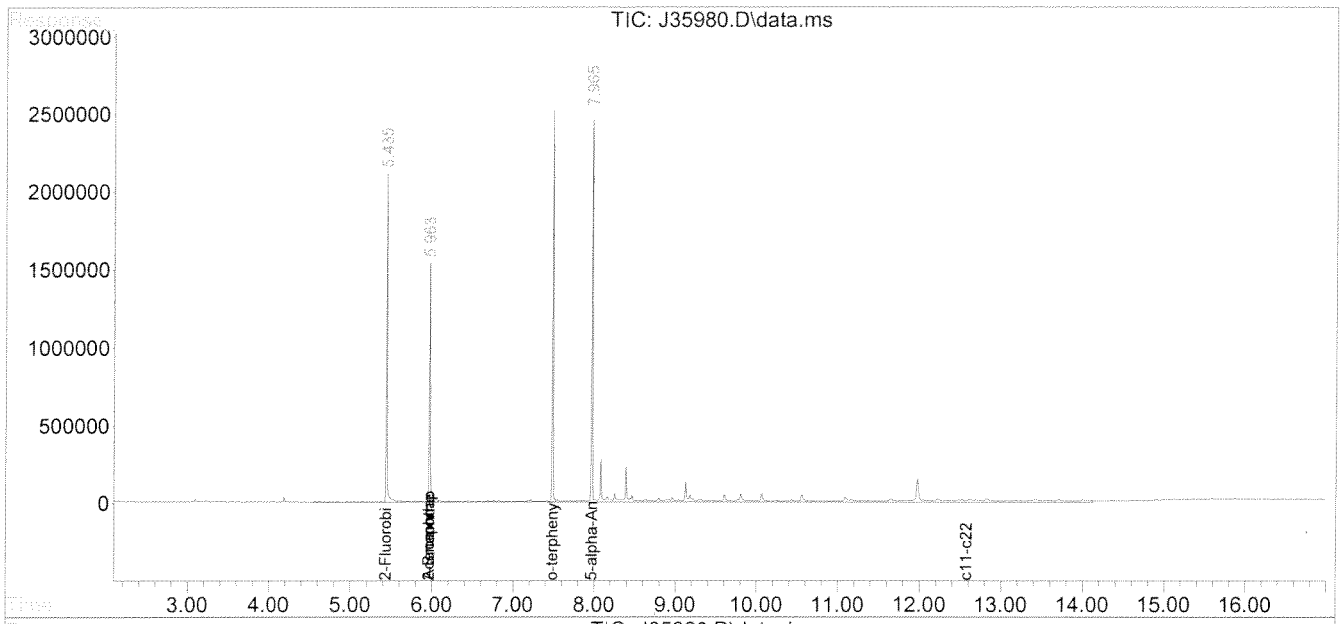
Quantitation Report (Not Reviewed)

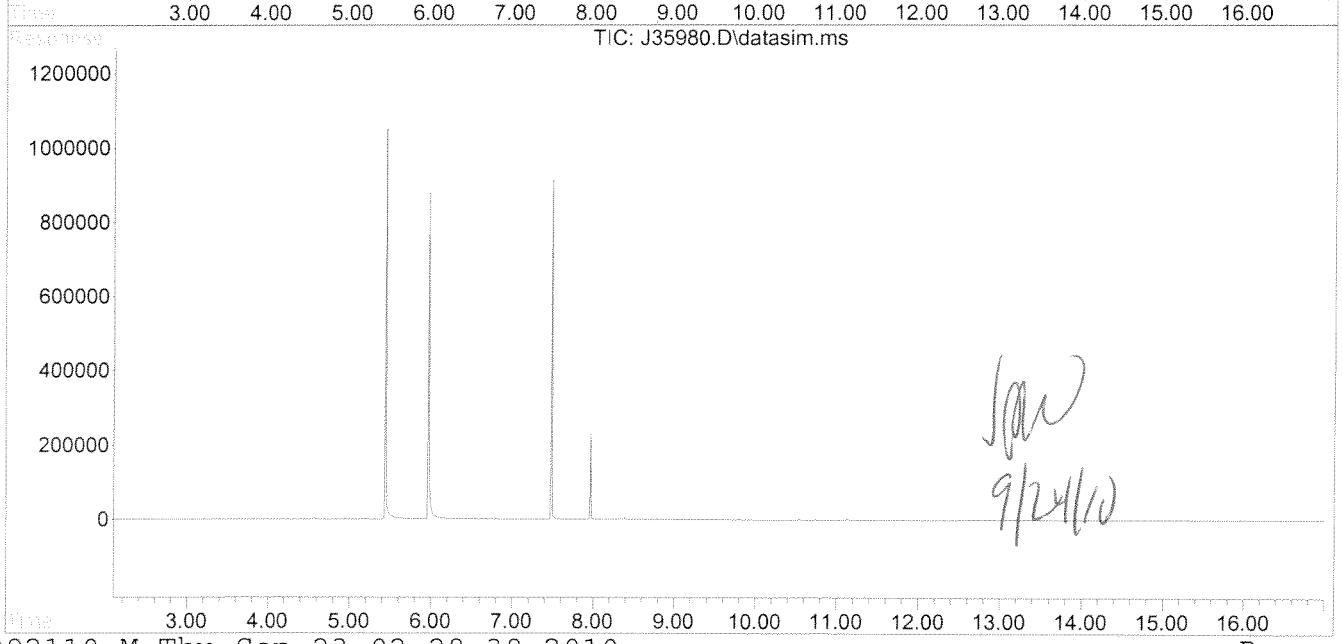
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35980.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 11:37 pm
Operator : AR/MG
Sample : 67834-18
Misc : SOIL,ARO
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:38 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

42300

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/24/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71798.D Vial: 53
Acq On : 22 Sep 2010 9:59 pm Operator: AR
Sample : 67834-18 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:09 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

392320

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5689958 ✓	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4490581	12.861 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.31% 64
Target Compounds			
2) TZM C-9	4.00	14119	<MDL ug/ml
3) TZM C-10	5.01	30095	<MDL ug/ml
4) TZM C-12	6.50	11458	<MDL ug/ml
5) TZM C-14	7.65	34178	<MDL ug/ml
6) TZM C-16	8.69	77871	<MDL ug/ml
7) TZM C-18	9.60	47336	<MDL ug/ml
8) XH C9-C18	7.38	6909997	18.289 ug/ml
9) TZM C-19	10.07	51287	<MDL ug/ml
10) TZM C-20	10.44	119852	<MDL ug/ml
12) TZM C-22	11.41	132176	<MDL ug/ml
13) TZM C-24	12.69	190281	<MDL ug/ml
14) TZM C-26	14.15	320883	<MDL ug/ml
15) TZM C-28	15.69	245856	<MDL ug/ml
16) TZM C-30	17.19	118179	<MDL ug/ml
17) TZM C-36	21.28	26441	4.172 ug/ml
18) XH C19-C36	11.90	14716814	46.946 ug/ml

18.372/33.520

JOW 9/24/10

(f)=RT Delta > 1/2 Window (m)=manual int.

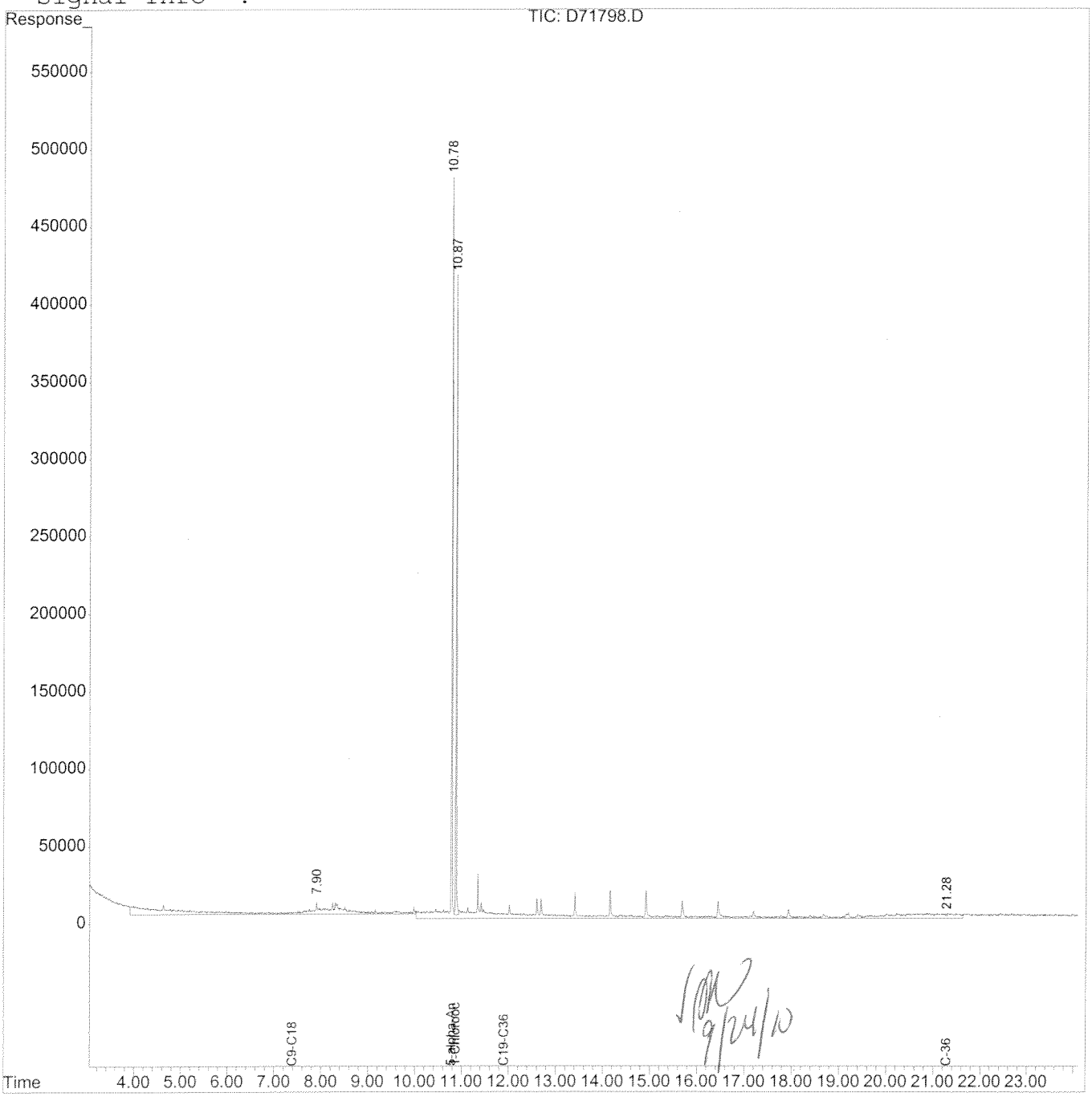
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71798.D Vial: 53
Acq On : 22 Sep 2010 9:59 pm Operator: AR
Sample : 67834-18 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:09 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

392310

Volume Inj. :
Signal Phase :
Signal Info :



9/24/10

EPH
QC FORMS

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834

SAMPLE ID	SMC 1 (%)	#
B092010EASE2	63	
L092010EASE2	64	
LD092010EASE2	66	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834

SAMPLE ID	SMC 1 (%)	#
B092010EASE2,RR	65	
67834-1	63	
67834-2	64	
67834-3	65	
67834-4	64	
67834-5	49	
67834-6	60	
67834-15	53	
67834-15,MS	55	
67834-15,MSD	60	
67834-16	60	
67834-17	69	
67834-18	64	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835

SAMPLE ID	SMC 1 (%)	#
B092010EASE2,RR2	63	
67834-5,DL	55	
67834-6,DL	75	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67834

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B092010EASE2	83		74		76	
L092010EASE2	81		73		79	
LD092010EASE2	84		83		81	
67834-1	88		74		80	
67834-2	90		83		80	
67834-3	86		79		80	
67834-4	91		87		81	
67834-5	97		87		84	
67834-6	80		67		77	
67834-15	88		75		73	
67834-15,MS	83		79		68	
67834-15,MSD	81		79		69	
67834-16	83		82		74	
67834-17	87		84		79	
67834-18	84		79		74	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

J92210

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B092010EASE2
Spike: L092010EASE2
Spike duplicate: LD092010EASE2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3333	3333	30	140	25	0	1882	56		1877	56		0	
C-10	3333	3333	40	140	25	0	2268	68		2223	67		2	
C-12	3333	3333	40	140	25	0	2447	73		2300	69		6	
C-14	3333	3333	40	140	25	0	2453	74		2459	74		0	
C-16	3333	3333	40	140	25	0	2518	76		2552	77		1	
C-18	3333	3333	40	140	25	0	2599	78		2571	77		1	
C-19	3333	3333	40	140	25	0	2620	79		2669	80		2	
C-20	3333	3333	40	140	25	0	2706	81		2625	79		3	
C-22	3333	3333	40	140	25	0	2606	78		2544	76		2	
C-24	3333	3333	40	140	25	0	2523	76		2441	73		3	
C-26	3333	3333	40	140	25	0	2289	69		2336	70		2	
C-28	3333	3333	40	140	25	0	2158	65		2163	65		0	
C-30	3333	3333	40	140	25	0	2171	65		2093	63		4	
C-36	3333	3333	40	140	25	0	2154	65		2029	61		6	
C9-C18 Aliphatics	20000	20000	40	140	25	0	14167	71		13982	70		1	
C19-C36 Aliphatics	26667	26667	40	140	25	0	19227	72		18899	71		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

9/02/10

EPH ALI FORM 3

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71770Q.D Vial: 31
Acq On : 22 Sep 2010 4:39 am Operator: AR
Sample : L092010EASE2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 8:53 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5378243	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4254430	12.890 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.45%
Target Compounds			
2) TZM C-9	4.01	4714629	14.117 ug/ml
3) TZM C-10	5.00	5808351	17.007 ug/ml
4) TZM C-12	6.48	6731812	18.354 ug/ml
5) TZM C-14	7.66	6920892	18.399 ug/ml
6) TZM C-16	8.68	6858187	18.887 ug/ml
7) TZM C-18	9.59	7039557	19.491 ug/ml
8) XH C9-C18	7.38	51160422	143.260 ug/ml
9) TZM C-19	10.02	7018919	19.647 ug/ml
10) TZM C-20	10.44	7105423	20.294 ug/ml
12) TZM C-22	11.42	6779379	19.546 ug/ml
13) TZM C-24	12.69	6300521	18.926 ug/ml
14) TZM C-26	14.16	5293751	17.168 ug/ml
15) TZM C-28	15.69	4378426	16.182 ug/ml
16) TZM C-30	17.20	3966581	16.283 ug/ml
17) TZM C-36	21.23	2466815	16.158 ug/ml
18) XH C19-C36	11.90	49278465	166.309 ug/ml

9/22/10

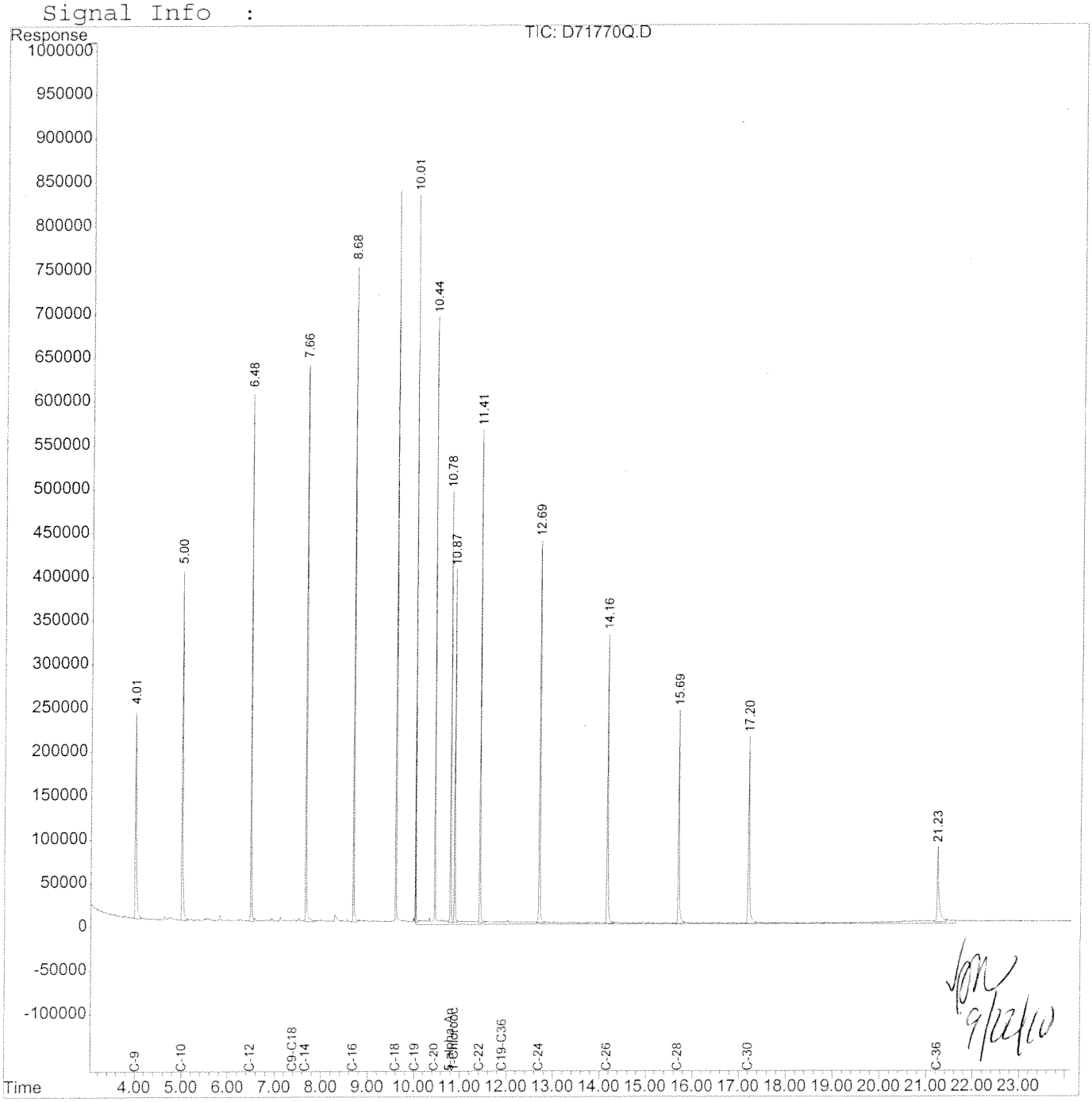
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71770Q.D Vial: 31
Acq On : 22 Sep 2010 4:39 am Operator: AR
Sample : L092010EASE2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 8:53 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71771Q.D Vial: 32
Acq On : 22 Sep 2010 5:10 am Operator: AR
Sample : LD092010EASE2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 8:53 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

S92210

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5609741	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4524618	13.143 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	65.72% 66
Target Compounds			
2) TZM C-9	4.01	4904195	14.079 ug/ml
3) TZM C-10	5.00	5940060	16.675 ug/ml
4) TZM C-12	6.48	6598463	17.248 ug/ml
5) TZM C-14	7.66	7236045	18.443 ug/ml
6) TZM C-16	8.68	7249145	19.140 ug/ml
7) TZM C-18	9.59	7263326	19.281 ug/ml
8) XH C9-C18	7.38	50258617	134.927 ug/ml
9) TZM C-19	10.02	7460149	20.020 ug/ml
10) TZM C-20	10.44	7189632	19.688 ug/ml
12) TZM C-22	11.42	6901604	19.077 ug/ml
13) TZM C-24	12.69	6357000	18.307 ug/ml
14) TZM C-26	14.16	5633949	17.517 ug/ml
15) TZM C-28	15.69	4577514	16.219 ug/ml
16) TZM C-30	17.20	3988540	15.697 ug/ml
17) TZM C-36	21.23	2367558	15.214 ug/ml
18) XH C19-C36	11.90	49467049	160.056 ug/ml

JOW 9/22/10

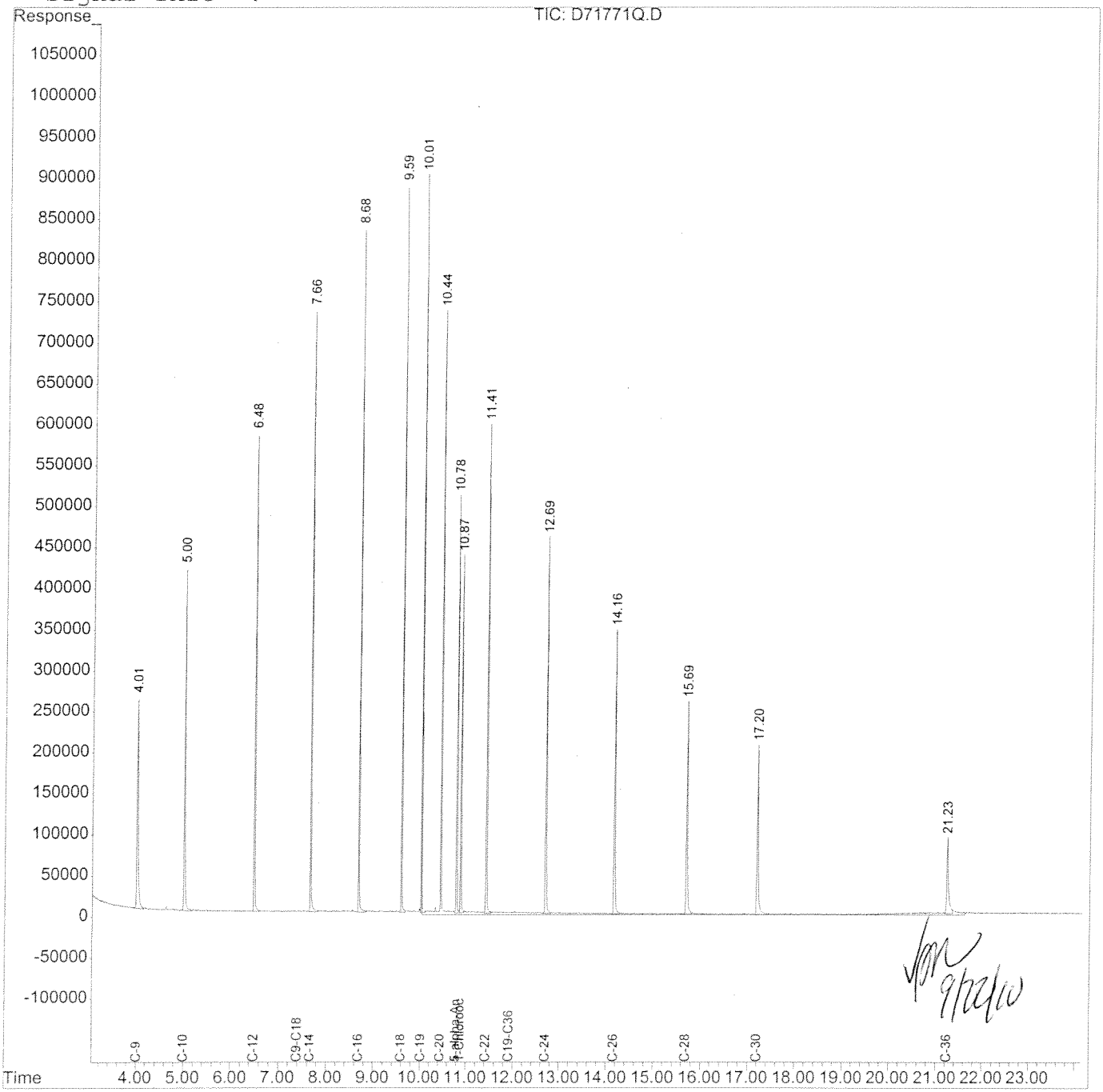
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71771Q.D Vial: 32
Acq On : 22 Sep 2010 5:10 am Operator: AR
Sample : LD092010EASE2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 8:53 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

592220

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B092010EASE2
Spike: L092010EASE2
Spike duplicate: LD092010EASE2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3333	3333	40	140	30	0	2382	71		2451	74		3	
2-Methylnaphthalene	3333	3333	40	140	30	0	2561	77		2668	80		4	
Acenaphthylene	3333	3333	40	140	30	0	2672	80		2769	83		4	
Acenaphthene	3333	3333	40	140	30	0	2711	81		2756	83		2	
Fluorene	3333	3333	40	140	30	0	2900	87		2950	89		2	
Phenanthrene	3333	3333	40	140	30	0	2974	89		3042	91		2	
Anthracene	3333	3333	40	140	30	0	3109	93		3129	94		1	
Fluoranthene	3333	3333	40	140	30	0	3165	95		3251	98		3	
Pyrene	3333	3333	40	140	30	0	3073	92		3159	95		3	
Benzo[a]anthracene	3333	3333	40	140	30	0	2945	88		3002	90		2	
Chrysene	3333	3333	40	140	30	0	2982	89		3024	91		1	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	2912	87		2962	89		2	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	3033	91		3111	93		3	
Benzo[a] pyrene	3333	3333	40	140	30	0	3002	90		3045	91		1	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	2794	84		2927	88		5	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	2878	86		2956	89		3	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	2884	87		2966	89		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

9/23/10

EPH ARO FORM 3

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35965Q.D
Acq On : 22 Sep 2010 5:52 pm
Operator : AR/MG
Sample : L092010EASE2
Misc : SOIL,ARO
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 22 18:55:26 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

51220

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	83204	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	507528	16.13 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	80.65%	81
10) 2-Bromonaphthalene	5.961	206	210921	14.65 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	73.25%	73
11) o-terphenyl	7.480	230	398291	15.80 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	79.00%	79
Target Compounds					Qvalue
2) Naphthalene	4.555	128	702613	17.87 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	414774	19.21 ug/ml	99
4) Acenaphthylene	5.849	152	838243	20.04 ug/ml	100
5) Acenaphthene	5.991	154	461100	20.33 ug/ml	99
6) Fluorene	6.406	166	624108	21.75 ug/ml	99
7) Phenanthrene	7.175	178	928506	22.31 ug/ml	100
8) Anthracene	7.217	178	956860	23.32 ug/ml	100
12) Fluoranthene	8.135	202	1060465	23.74 ug/ml	99
13) Pyrene	8.327	202	1087424	23.05 ug/ml	99
14) Benzo[a]anthracene	9.609	228	878618	22.09 ug/ml	98
15) Chrysene	9.656	228	870115	22.37 ug/ml	99
16) Benzo[b] fluoranthene	11.109	252	763080	21.84 ug/ml	99
17) Benzo[k] fluoranthene	11.157	252	787043	22.75 ug/ml	97
18) Benzo[a] pyrene	11.594	252	750000	22.52 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.348	276	560523	20.95 ug/ml	98
20) Dibenz [a,h] anthracene	13.416	278	552465	21.58 ug/ml	99
21) Benzo(g,h,i) perylene	13.753	276	625748	21.63 ug/ml	99

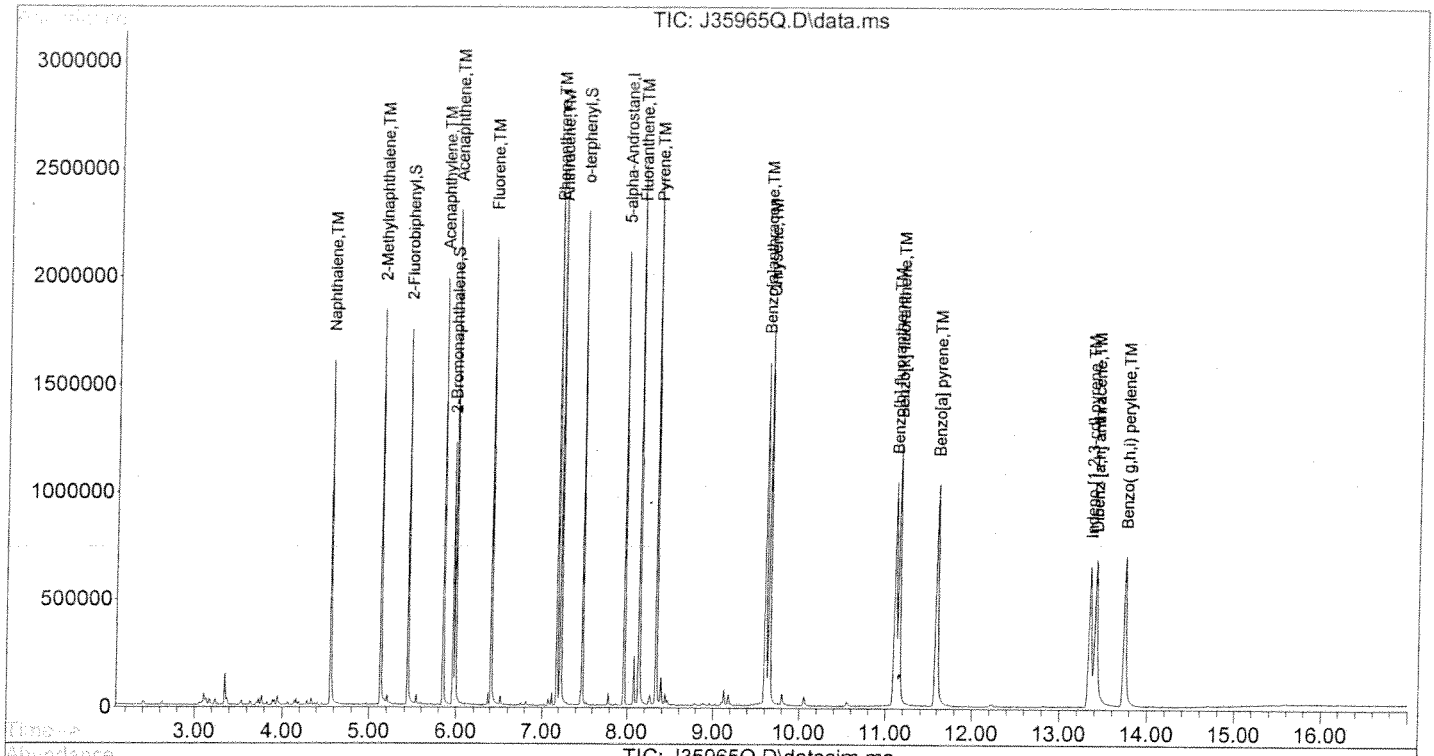
(#) = qualifier out of range (m) = manual integration (+) = signals summed

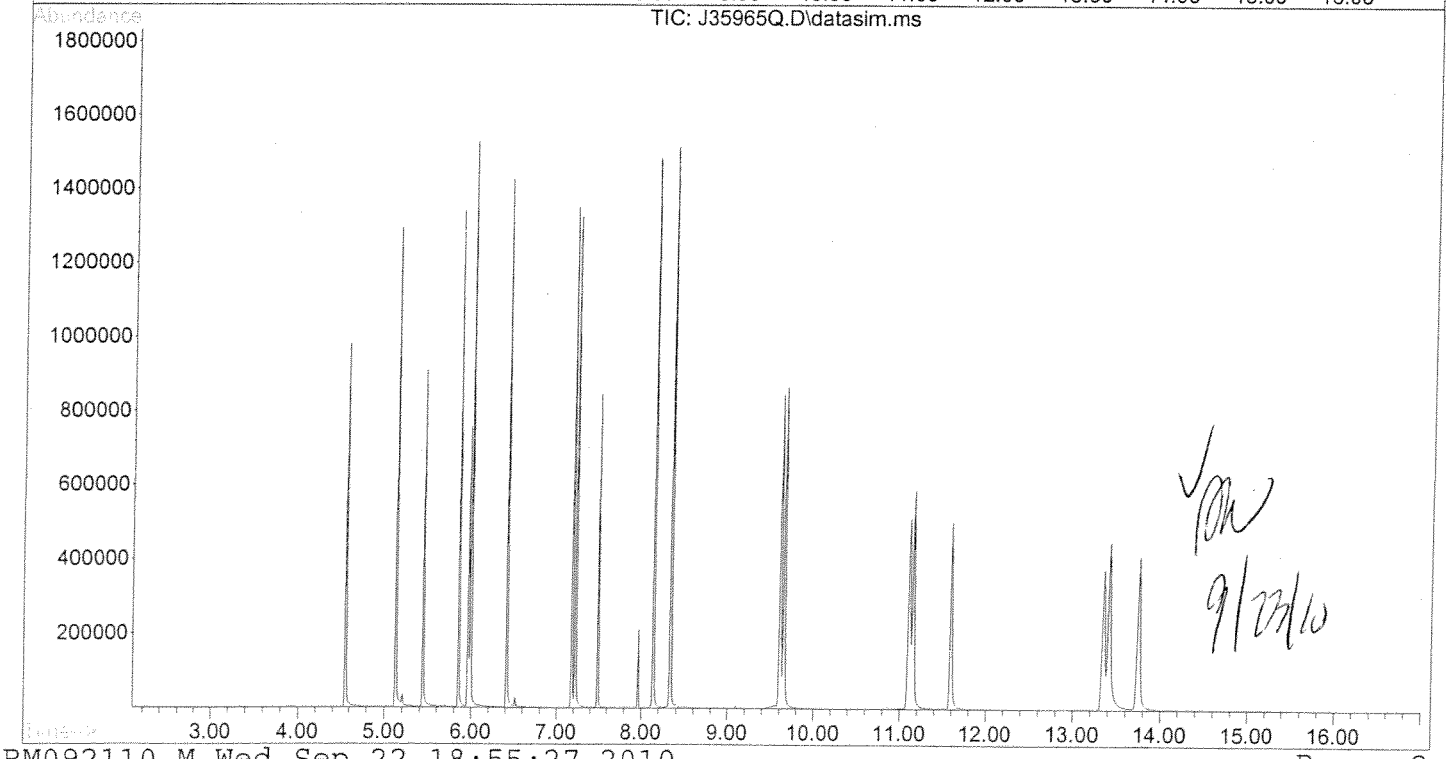
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35965Q.D
Acq On : 22 Sep 2010 5:52 pm
Operator : AR/MG
Sample : L092010EASE2
Misc : SOIL,ARO
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 22 18:55:26 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J9220





9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35966Q.D
Acq On : 22 Sep 2010 6:15 pm
Operator : AR/MG
Sample : LD092010EASE2
Misc : SOIL,ARO
ALS Vial : 42 Sample Multiplier: 1

9/22/10

Quant Time: Sep 22 18:55:28 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	82032 ✓	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	522778	16.85 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 84.25%		
10) 2-Bromonaphthalene	5.962	206	234484	16.52 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 82.60%		
11) o-terphenyl	7.480	230	401104	16.14 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 80.70%		
Target Compounds					Qvalue
2) Naphthalene	4.555	128	711229	18.39 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	424518	20.01 ug/ml	99
4) Acenaphthylene	5.849	152	853876	20.77 ug/ml	99
5) Acenaphthene	5.991	154	461387	20.67 ug/ml	98
6) Fluorene	6.406	166	624912	22.13 ug/ml	100
7) Phenanthrene	7.175	178	934344	22.82 ug/ml	100
8) Anthracene	7.217	178	948883	23.47 ug/ml	100
12) Fluoranthene	8.136	202	1070672	24.38 ug/ml	100
13) Pyrene	8.328	202	1099056	23.69 ug/ml	99
14) Benzo[a]anthracene	9.609	228	883062	22.51 ug/ml	98
15) Chrysene	9.656	228	869835	22.68 ug/ml	99
16) Benzo[b] fluoranthene ✓	11.112	252	765270	22.21 ug/ml	99
17) Benzo[k] fluoranthene	11.153	252	795770	23.33 ug/ml	98
18) Benzo[a] pyrene	11.595	252	749935	22.84 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.352	276	578875	21.95 ug/ml	98
20) Dibenz [a,h] anthracene	13.416	278	559504	22.17 ug/ml	99
21) Benzo(g,h,i) perylene	13.753	276	634432	22.24 ug/ml	99

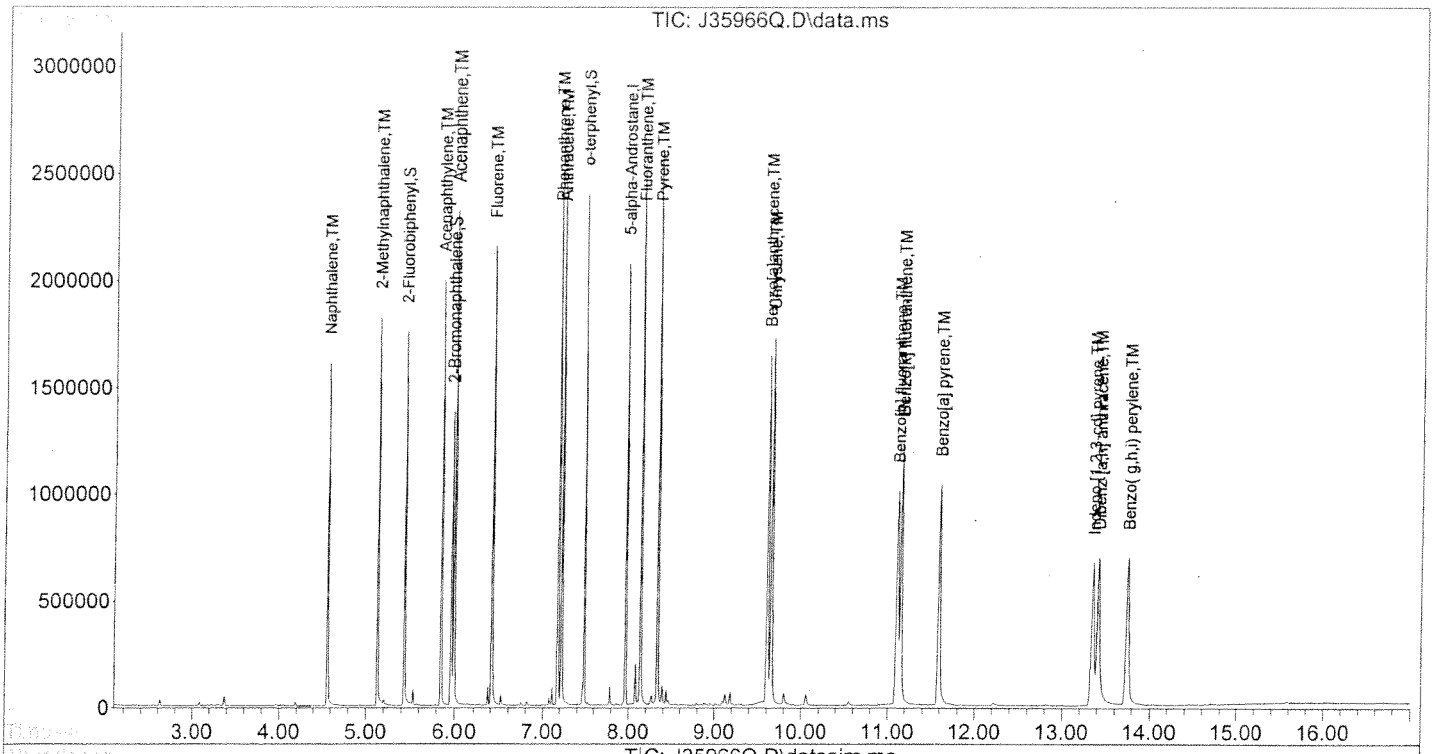
(#) = qualifier out of range (m) = manual integration (+) = signals summed

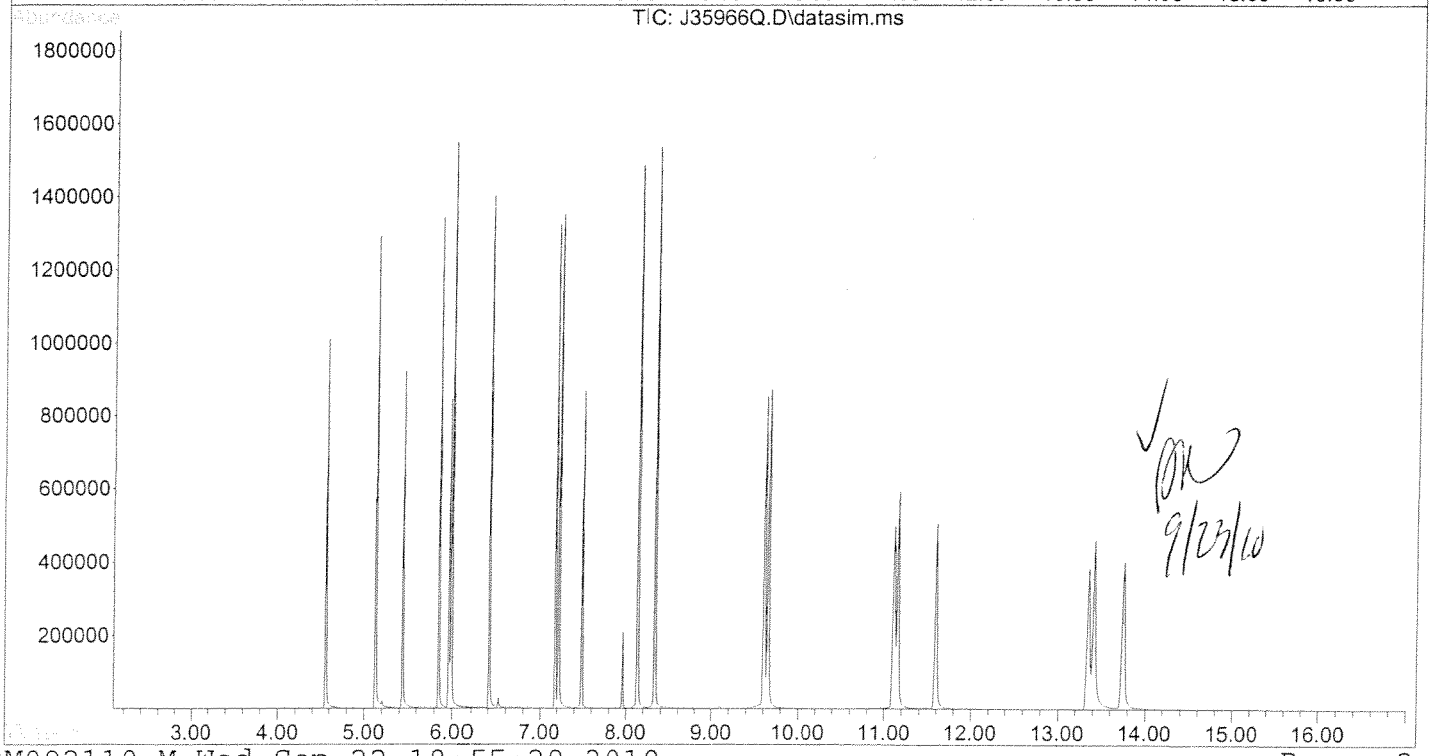
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35966Q.D
Acq On : 22 Sep 2010 6:15 pm
Operator : AR/MG
Sample : LD092010EASE2
Misc : SOIL,ARO
ALS Vial : 42 Sample Multiplier: 1

392210

Quant Time: Sep 22 18:55:28 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

9/23/10

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: L092010EASE2
Aromatic LCS: L092010EASE2

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	17.9	0.0	
2-Methylnaphthalene	0	5	0.00	19.2	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

_____

092310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35967Q.D
Acq On : 22 Sep 2010 6:38 pm
Operator : AR/MG
Sample : L092010EASE2
Misc : SOIL,ALI
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 23 02:19:56 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

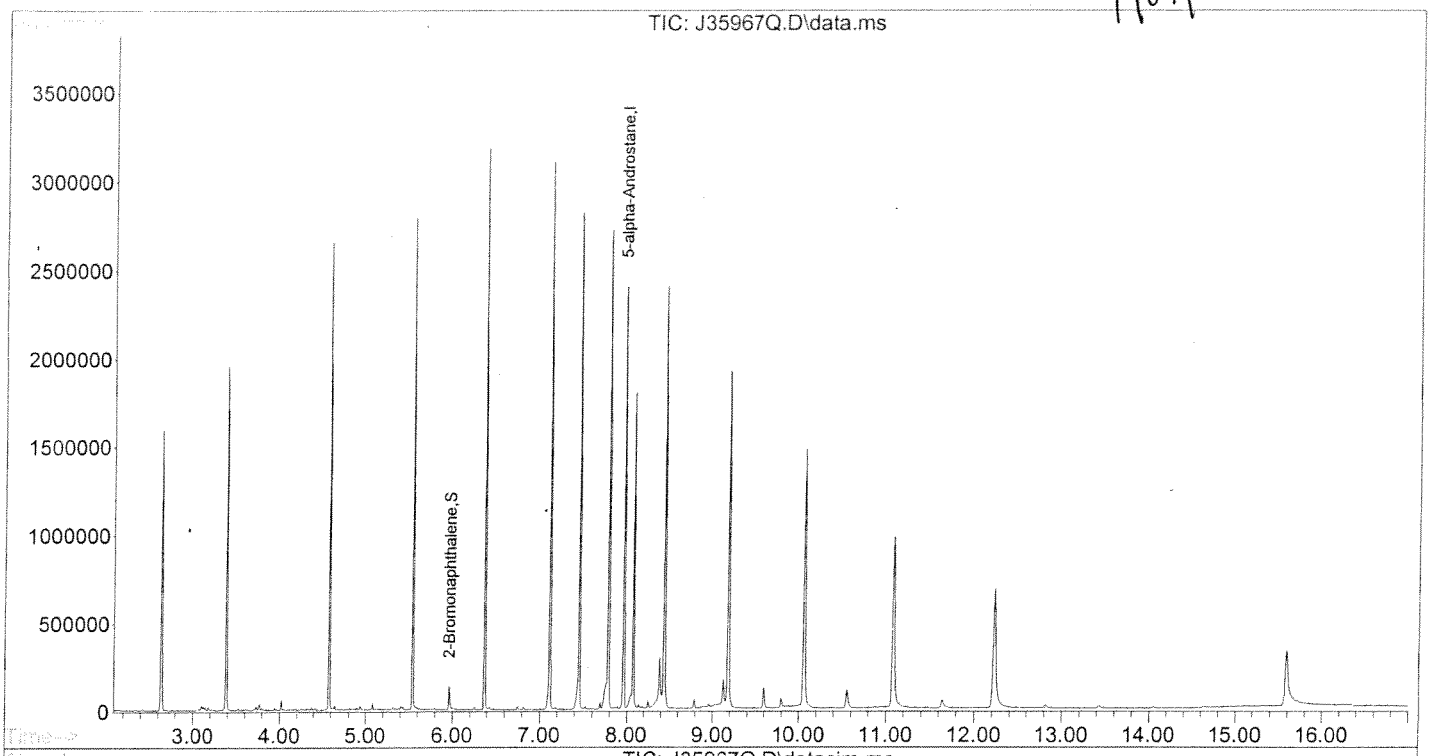
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.966	95	98847	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	24	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
10) 2-Bromonaphthalene	5.962	206	26572	1.55 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 7.75%#	
11) o-terphenyl	7.479	230	87	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
Target Compounds					Qvalue
2) Naphthalene	4.562	128	3883	Below Cal #	1
3) 2-Methylnaphthalene	5.131	141	1068	Below Cal #	78
4) Acenaphthylene	5.849	152	174	Below Cal #	18
5) Acenaphthene	5.992	154	49	Below Cal #	10
6) Fluorene	6.413	166	65	Below Cal #	94
7) Phenanthrene	7.174	178	103	Below Cal #	82
8) Anthracene	7.226	178	136	Below Cal #	74
12) Fluoranthene	8.139	202	112	Below Cal #	1
13) Pyrene	8.341	202	346	Below Cal #	67

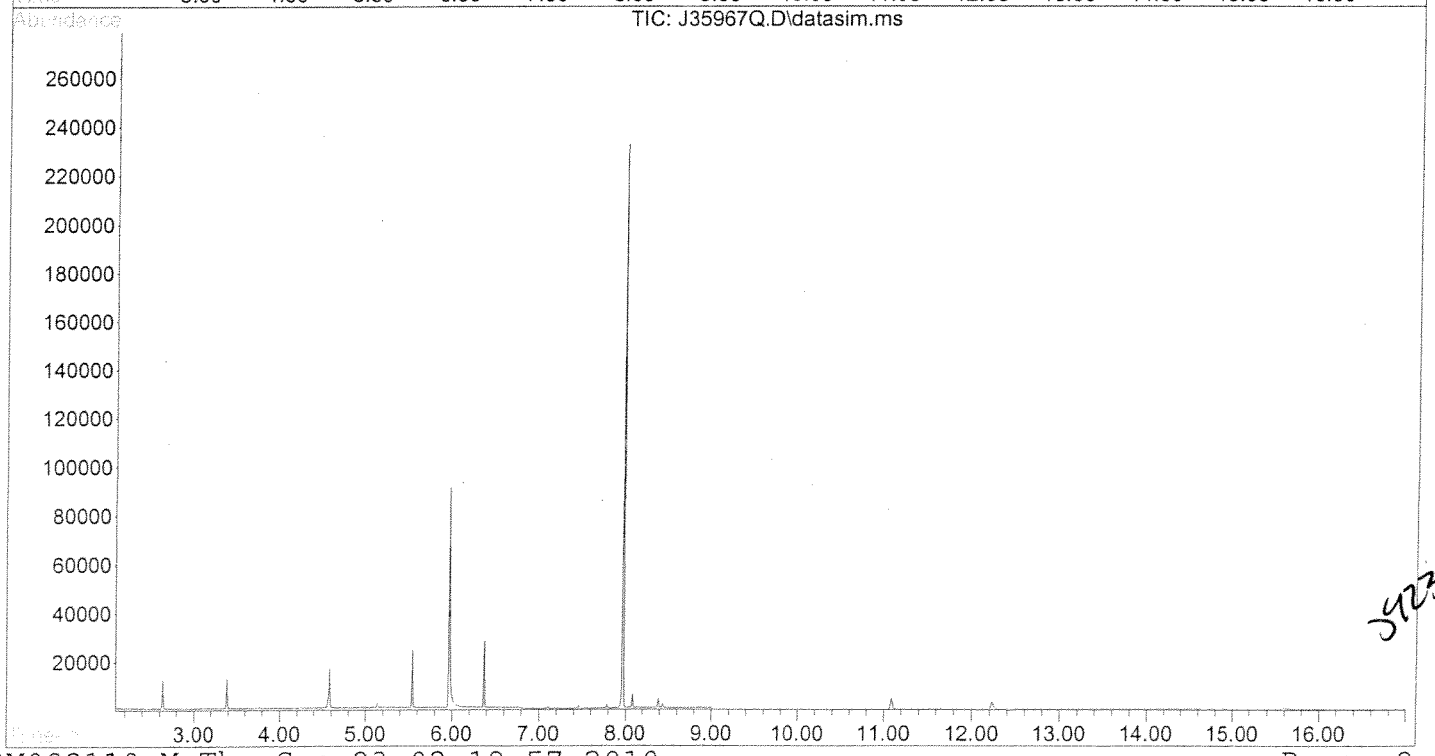
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35967Q.D
Acq On : 22 Sep 2010 6:38 pm
Operator : AR/MG
Sample : L092010EASE2
Misc : SOIL,ALI
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 23 02:19:56 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

9/27/10





392340

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

MC 9/23/10

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: LD092010EASE2
Aromatic LCS: LD092010EASE2

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	18.4	0.0	
2-Methylnaphthalene	0	5	0.00	20.0	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

592360

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35968Q.D
Acq On : 22 Sep 2010 7:01 pm
Operator : AR/MG
Sample : LD092010EASE2
Misc : SOIL,ALI
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 23 02:19:59 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

MN 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.966	95	99457	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	27	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
10) 2-Bromonaphthalene	5.968	206	5050	0.29 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 1.45%#	
11) o-terphenyl	7.484	230	13	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
Target Compounds					Qvalue
2) Naphthalene	4.562	128	2669	Below Cal #	1
3) 2-Methylnaphthalene	5.131	141	82	Below Cal #	1
4) Acenaphthylene	5.843	152	52	Below Cal #	1
5) Acenaphthene	5.997	154	63	Below Cal #	65
6) Fluorene	6.425	166	184	Below Cal #	61
7) Phenanthrene	7.184	178	162	Below Cal #	69
8) Anthracene	7.212	178	119	Below Cal #	1
12) Fluoranthene	8.167	202	102	Below Cal #	1
13) Pyrene	8.331	202	251	Below Cal #	1

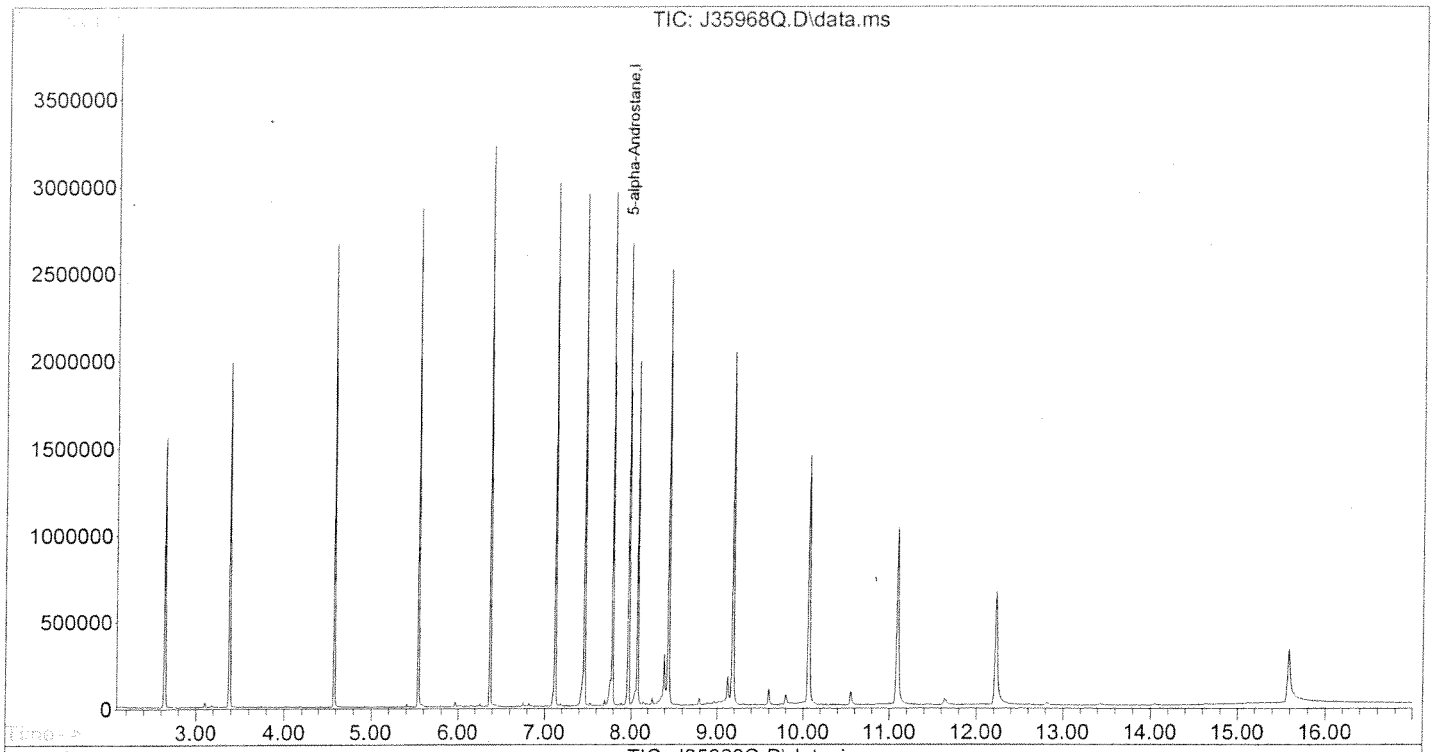
(#) = qualifier out of range (m) = manual integration (+) = signals summed

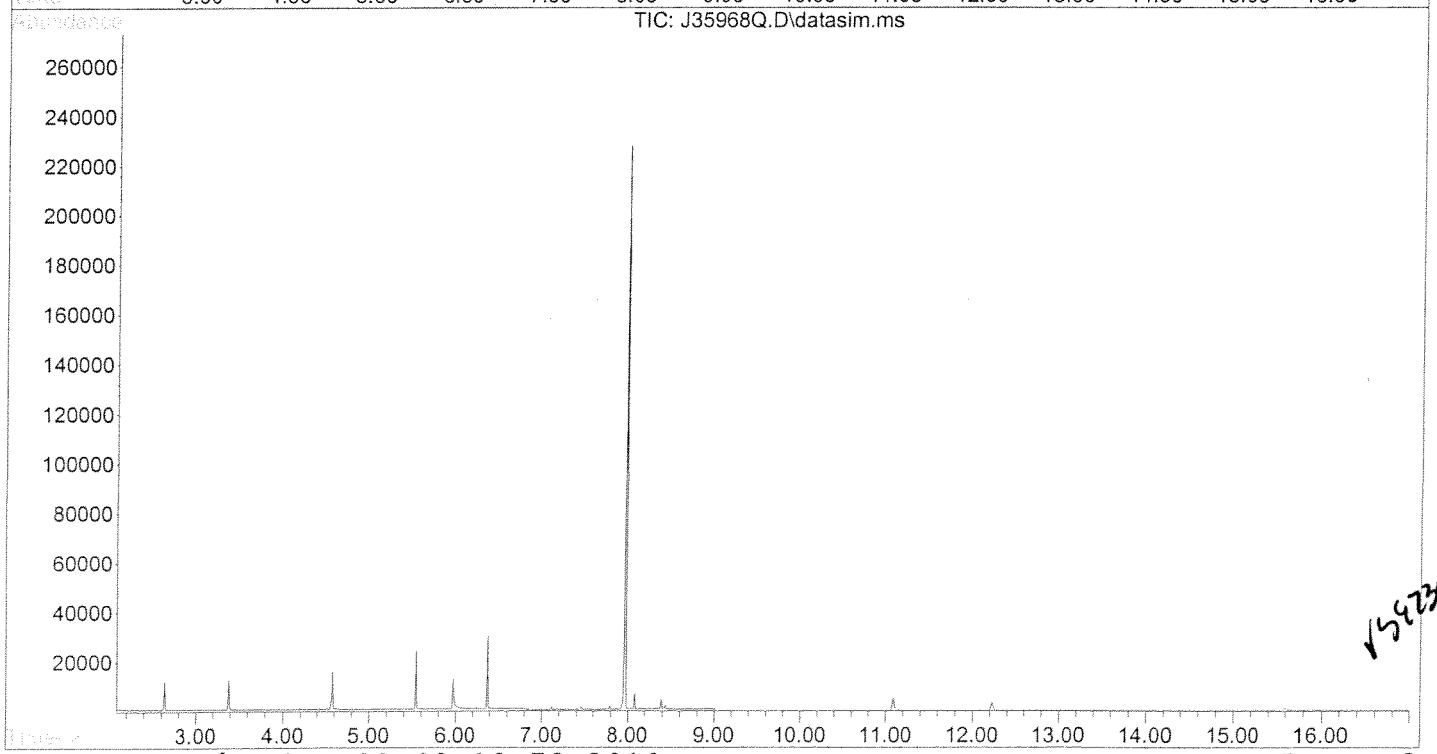
592360

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35968Q.D
Acq On : 22 Sep 2010 7:01 pm
Operator : AR/MG
Sample : LD092010EASE2
Misc : SOIL,ALI
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 23 02:19:59 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

9/23/10





V592200

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

MV 9/23/10

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67834-15
Spike: 67834-15,MS
Spike duplicate: 67834-15,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3661	3616	30	140	50	0	1872	51		1874	52		0	
C-10	3661	3616	40	140	50	0	2259	62		2230	62		1	
C-12	3661	3616	40	140	50	0	2394	65		2395	66		0	
C-14	3661	3616	40	140	50	0	2610	71		2552	71		2	
C-16	3661	3616	40	140	50	0	2769	76		2694	75		3	
C-18	3661	3616	40	140	50	0	2830	77		2842	79		0	
C-19	3661	3616	40	140	50	0	2793	76		2924	81		5	
C-20	3661	3616	40	140	50	0	2807	77		2813	78		0	
C-22	3661	3616	40	140	50	0	2868	78		2909	80		1	
C-24	3661	3616	40	140	50	0	2814	77		2688	74		5	
C-26	3661	3616	40	140	50	0	2841	78		2732	76		4	
C-28	3661	3616	40	140	50	0	2691	74		2555	71		5	
C-30	3661	3616	40	140	50	0	2709	74		2466	68		9	
C-36	3661	3616	40	140	50	0	2878	79		2632	73		9	

C9-C18 Aliphatics	21968	21695	40	140	50	0	14734	67		14586	67		1	
C19-C36 Aliphatics	29290	28927	40	140	50	0	22401	76		21719	75		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

SY-2310

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67834-15	SOIL,ALI	2.0	15.18	0.01518	0.9038	1	145.7760
67834-15,MS	SOIL,ALI	2.0	15.11	0.01511	0.9038	1	146.4513
67834-15,MSD	SOIL,ALI	2.0	15.30	0.01530	0.9038	1	144.6326

BM 9/23/10

→ 9/23/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71794SP.D Vial: 49
Acq On : 22 Sep 2010 7:59 pm Operator: AR
Sample : 67834-15,MS Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:20 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/23/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5509807	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	3730200	11.032 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	55.16%
Target Compounds			
2) TZM C-9	4.01	4373919	12.784 ug/ml
3) TZM C-10	5.00	5396314	15.423 ug/ml
4) TZM C-12	6.49	6143009	16.349 ug/ml
5) TZM C-14	7.66	6868646	17.824 ug/ml
6) TZM C-16	8.68	7032880	18.906 ug/ml
7) TZM C-18	9.59	7149075	19.322 ug/ml
8) XH C9-C18	7.38	50194981	137.200 ug/ml
9) TZM C-19	10.02	6980018	19.072 ug/ml
10) TZM C-20	10.44	6875398	19.169 ug/ml
12) TZM C-22	11.42	6957314	19.580 ug/ml
13) TZM C-24	12.69	6552965	19.214 ug/ml
14) TZM C-26	14.16	6127814	19.398 ug/ml
15) TZM C-28	15.69	5093556	18.375 ug/ml
16) TZM C-30	17.20	4616515	18.498 ug/ml
17) TZM C-36	21.23	3281640	19.654 ug/ml
18) XH C19-C36	11.90	53106350	174.948 ug/ml

92310

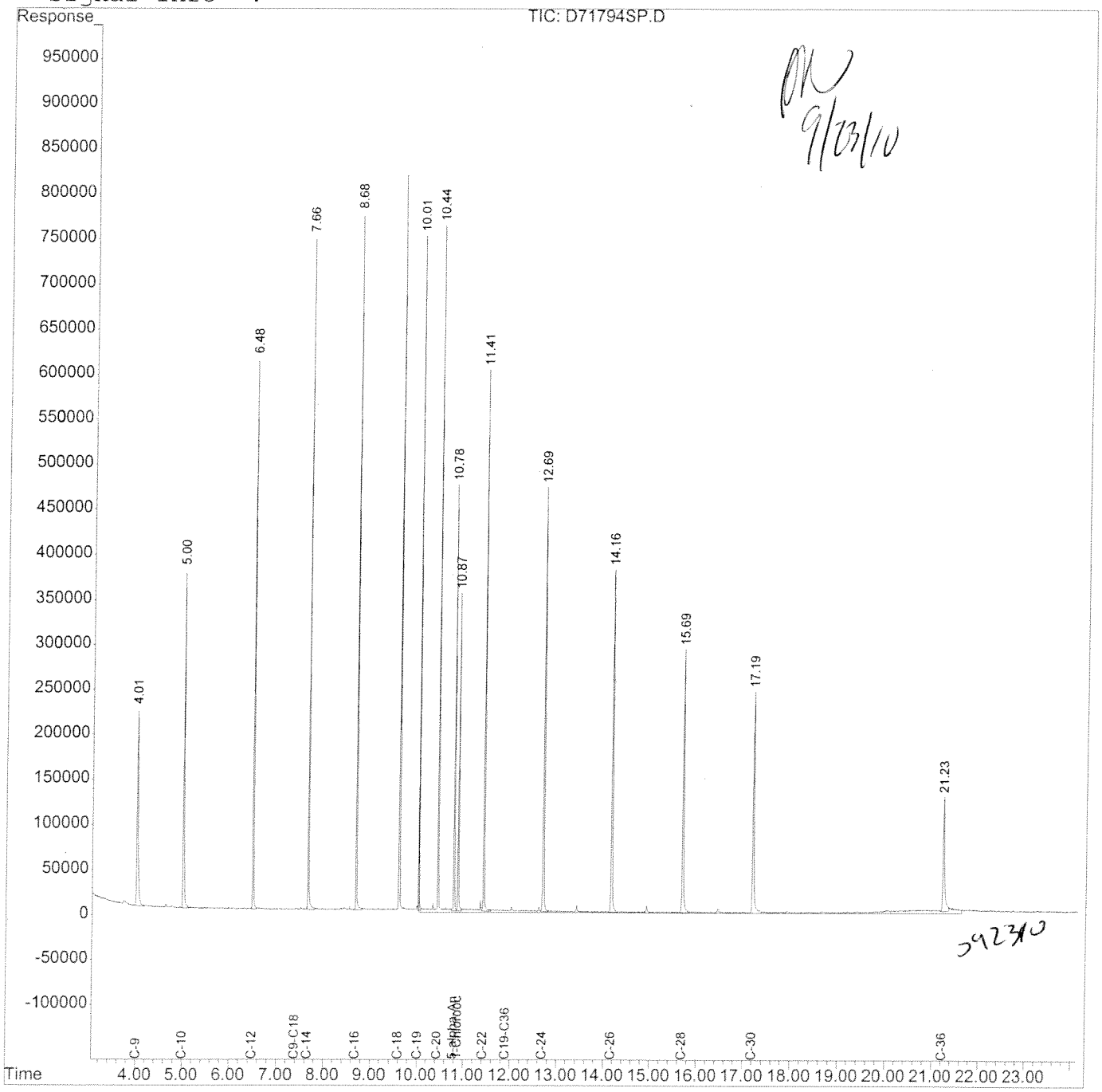
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71794SP.D Vial: 49
Acq On : 22 Sep 2010 7:59 pm Operator: AR
Sample : 67834-15,MS Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:20 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71795SP.D Vial: 50
Acq On : 22 Sep 2010 8:29 pm Operator: AR
Sample : 67834-15,MSD Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:20 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5398737	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	3990061	12.044 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	60.22%
Target Compounds			
2) TZM C-9	4.01	4343342	12.956 ug/ml
3) TZM C-10	5.00	5284860	15.415 ug/ml
4) TZM C-12	6.48	6096576	16.559 ug/ml
5) TZM C-14	7.66	6661422	17.642 ug/ml
6) TZM C-16	8.68	6790061	18.629 ug/ml
7) TZM C-18	9.59	7123598	19.649 ug/ml
8) XH C9-C18	7.38	47969697	133.815 ug/ml
9) TZM C-19	10.02	7248945	20.214 ug/ml
10) TZM C-20	10.44	6834982	19.448 ug/ml
12) TZM C-22	11.42	7002492	20.112 ug/ml
13) TZM C-24	12.69	6211007	18.586 ug/ml
14) TZM C-26	14.16	5846876	18.890 ug/ml
15) TZM C-28	15.69	4798469	17.667 ug/ml
16) TZM C-30	17.20	4169250	17.050 ug/ml
17) TZM C-36	21.23	2906621	18.200 ug/ml
18) XH C19-C36	11.90	49448327	166.248 ug/ml

9/23/10

(f)=RT Delta > 1/2 Window (m)=manual int.

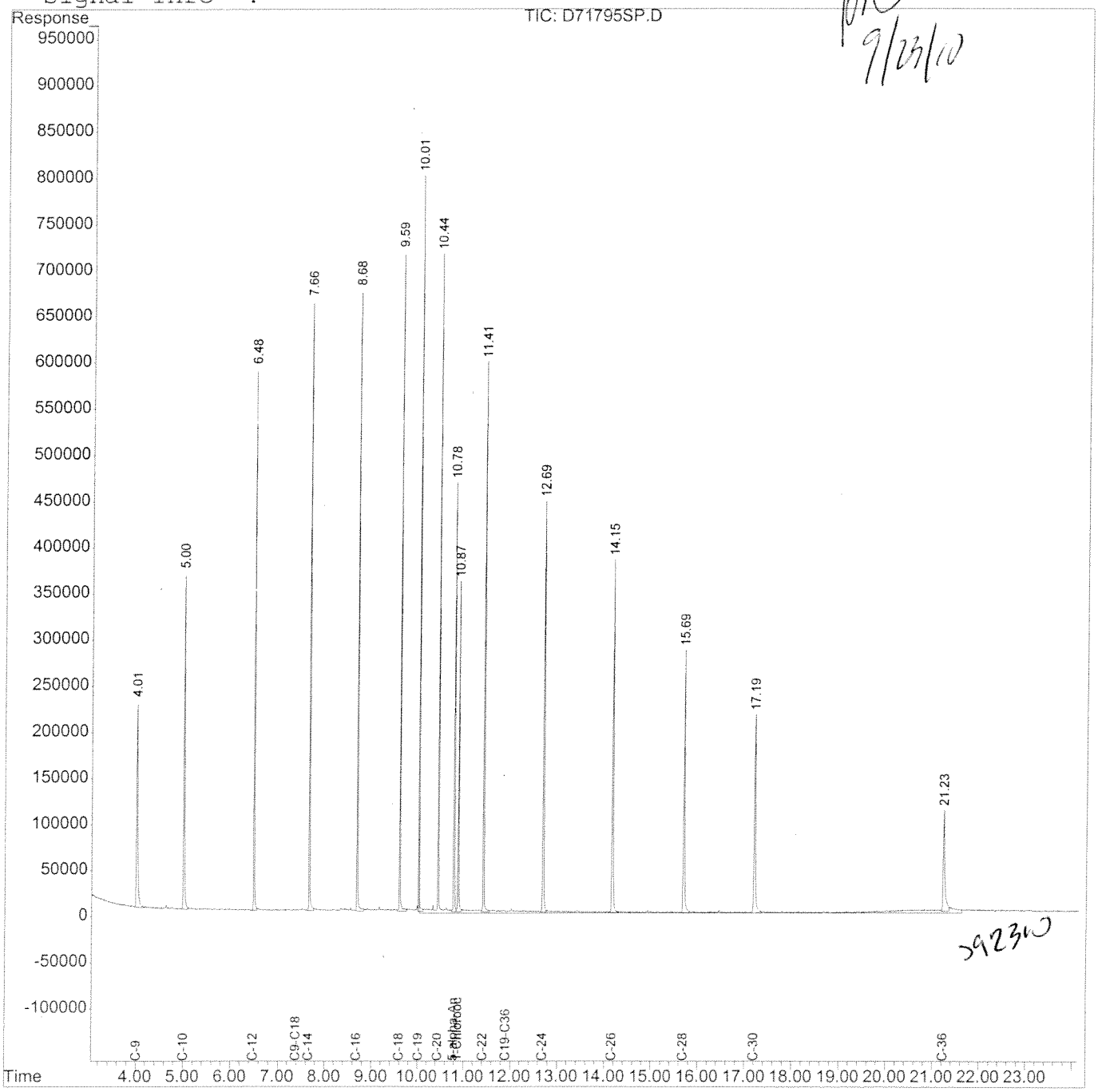
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71795SP.D Vial: 50
Acq On : 22 Sep 2010 8:29 pm Operator: AR
Sample : 67834-15,MSD Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:20 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

AK 9/23/10



392310

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

9/23/10

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67834-15
Spike: 67834-15,MS
Spike duplicate: 67834-15,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3661	3616	40	140	50	0	2382	65		2338	65		2	
2-Methylnaphthalene	3661	3616	40	140	50	0	2572	70		2514	70		2	
Acenaphthylene	3661	3616	40	140	50	0	2683	73		2622	73		2	
Acenaphthene	3661	3616	40	140	50	0	2695	74		2588	72		4	
Fluorene	3661	3616	40	140	50	0	2871	78		2781	77		3	
Phenanthrene	3661	3616	40	140	50	0	2983	81		2863	79		4	
Anthracene	3661	3616	40	140	50	0	3071	84		2947	82		4	
Fluoranthene	3661	3616	40	140	50	0	3159	86		2993	83		5	
Pyrene	3661	3616	40	140	50	0	3083	84		2948	82		4	
Benzo[a]anthracene	3661	3616	40	140	50	0	2930	80		2861	79		2	
Chrysene	3661	3616	40	140	50	0	2945	80		2830	78		4	
Benzo[b] fluoranthene	3661	3616	40	140	50	0	2889	79		2781	77		4	
Benzo[k] fluoranthene	3661	3616	40	140	50	0	2942	80		2789	77		5	
Benzo[a] pyrene	3661	3616	40	140	50	0	2888	79		2781	77		4	
Indeno [1,2,3-cd] pyrene	3661	3616	40	140	50	0	2712	74		2623	73		3	
Dibenz [a,h] anthracene	3661	3616	40	140	50	0	2771	76		2668	74		4	
Benzo(g,h,i) perylene	3661	3616	40	140	50	0	2773	76		2698	75		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments:

092310

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67834-15	SOIL,ARO	2.0	15.18	0.01518	0.9038	1	145.7760
67834-15,MS	SOIL,ARO	2.0	15.11	0.01511	0.9038	1	146.4513
67834-15,MSD	SOIL,ARO	2.0	15.30	0.01530	0.9038	1	144.6326

9/23/10

092310

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35976SP.D
Acq On : 22 Sep 2010 10:05 pm
Operator : AR/MG
Sample : 67834-15,MS
Misc : SOIL,ARO
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 23 02:20:22 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	84155	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	526195	16.53 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 82.65%		
10) 2-Bromonaphthalene	5.961	206	231311	15.89 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 79.45%		
11) o-terphenyl	7.480	230	345838	13.57 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 67.85%		
Target Compounds					Qvalue
2) Naphthalene	4.555	128	651623	16.27 ug/ml	99
3) 2-Methylnaphthalene	5.131	141	386741	17.57 ug/ml	99
4) Acenaphthylene	5.849	152	780767	18.32 ug/ml	100
5) Acenaphthene	5.991	154	425732	18.40 ug/ml	99
6) Fluorene	6.406	166	574486	19.60 ug/ml	100
7) Phenanthrene	7.175	178	864982	20.37 ug/ml	100
8) Anthracene	7.217	178	880198	20.97 ug/ml	100
12) Fluoranthene	8.136	202	984793	21.57 ug/ml	100
13) Pyrene	8.328	202	1013765	21.05 ug/ml	99
14) Benzo[a]anthracene	9.609	228	804867	20.00 ug/ml	98
15) Chrysene	9.653	228	791290	20.11 ug/ml	99
16) Benzo[b] fluoranthene	11.109	252	697087	19.72 ug/ml	99
17) Benzo[k] fluoranthene	11.153	252	702984	20.09 ug/ml	98
18) Benzo[a] pyrene	11.591	252	664467	19.72 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.345	276	500962	18.52 ug/ml	99
20) Dibenz [a,h] anthracene	13.412	278	489897	18.92 ug/ml	100
21) Benzo(g,h,i) perylene	13.749	276	554007	18.93 ug/ml	99

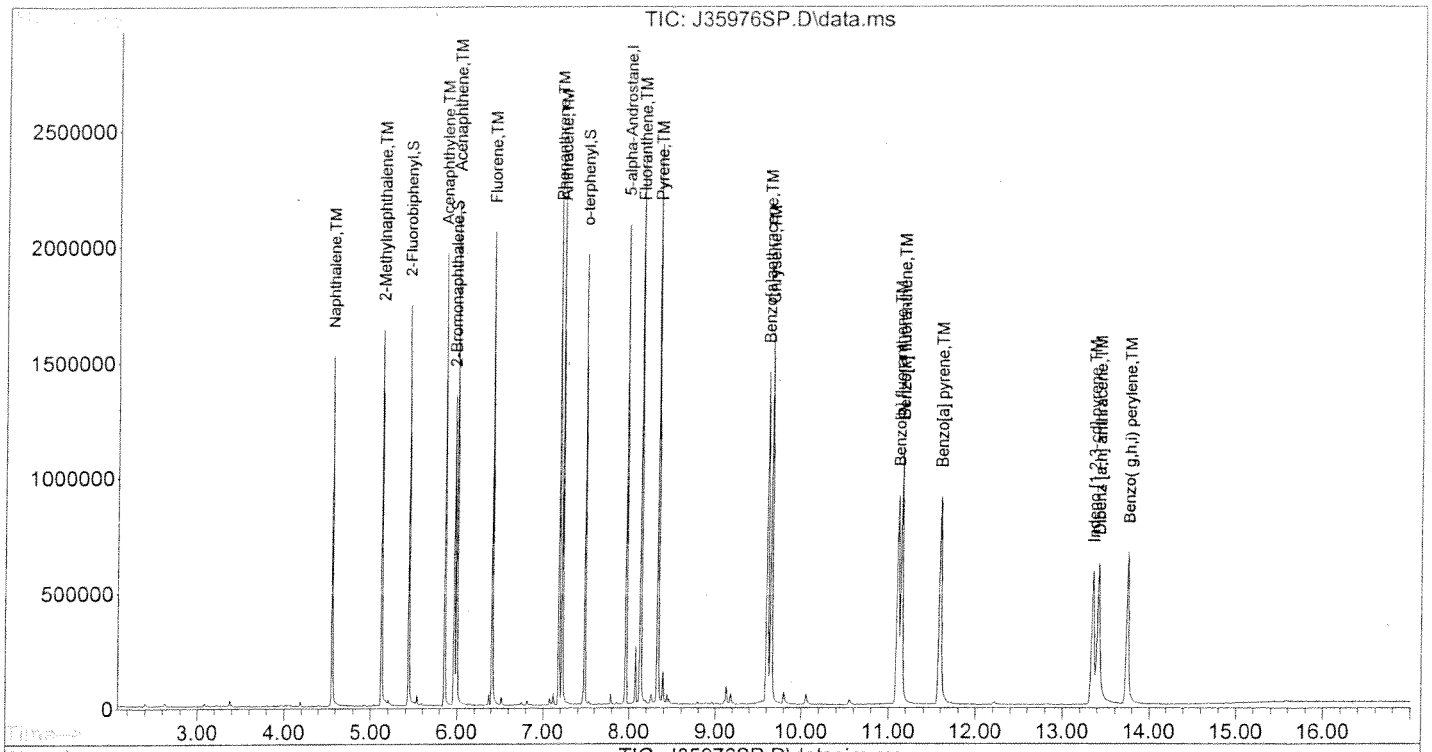
(#) = qualifier out of range (m) = manual integration (+) = signals summed

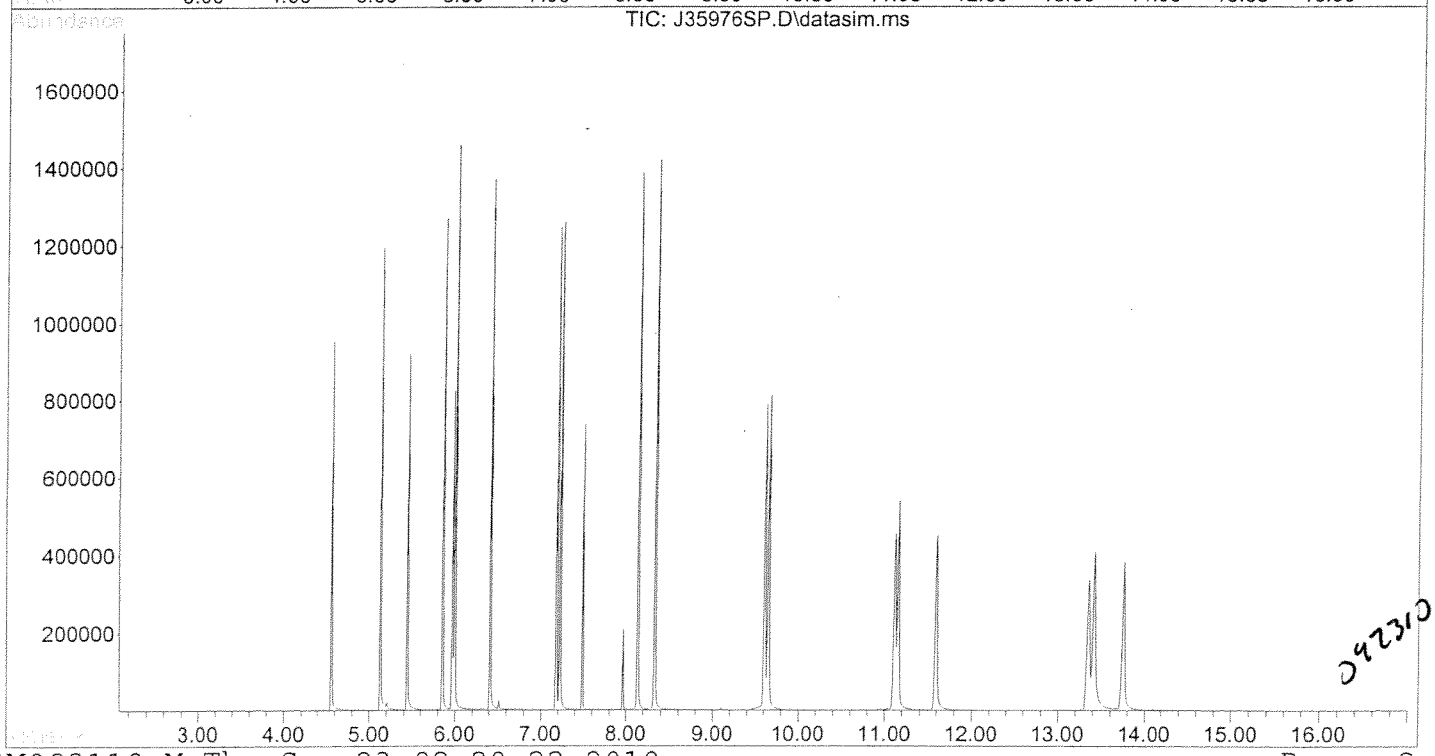
392310

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35976SP.D
Acq On : 22 Sep 2010 10:05 pm
Operator : AR/MG
Sample : 67834-15,MS
Misc : SOIL,ARO
ALS Vial : 52 Sample Multiplier: 1

Quant Time: Sep 23 02:20:22 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

9/23/10





092310

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35977SP.D
Acq On : 22 Sep 2010 10:28 pm
Operator : AR/MG
Sample : 67834-15,MSD
Misc : SOIL,ARO
ALS Vial : 53 Sample Multiplier: 1

AR 9/23/10

Quant Time: Sep 23 02:20:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	83492	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	514059	16.28 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 81.40%		
10) 2-Bromonaphthalene	5.961	206	227900	15.78 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 78.90%		
11) o-terphenyl	7.480	230	347471	13.74 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 68.70%		
Target Compounds					Qvalue
2) Naphthalene	4.555	128	642726	16.16 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	380010	17.38 ug/ml	99
4) Acenaphthylene	5.849	152	767342	18.13 ug/ml	100
5) Acenaphthene	5.991	154	411717	17.89 ug/ml	99
6) Fluorene	6.406	166	560057	19.23 ug/ml	100
7) Phenanthrene	7.175	178	836298	19.79 ug/ml	100
8) Anthracene	7.217	178	850962	20.38 ug/ml	99
12) Fluoranthene	8.135	202	941467	20.69 ug/ml	99
13) Pyrene	8.328	202	976769	20.38 ug/ml	99
14) Benzo[a]anthracene	9.609	228	789795	19.78 ug/ml	98
15) Chrysene	9.653	228	763873	19.57 ug/ml	99
16) Benzo[b] fluoranthene	11.109	252	674110	19.22 ug/ml	99
17) Benzo[k] fluoranthene	11.153	252	669368	19.28 ug/ml	98
18) Benzo[a] pyrene	11.591	252	642639	19.23 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.344	276	486800	18.14 ug/ml	98
20) Dibenz [a,h] anthracene	13.408	278	473824	18.45 ug/ml	99
21) Benzo(g,h,i) perylene	13.749	276	541650	18.66 ug/ml	99

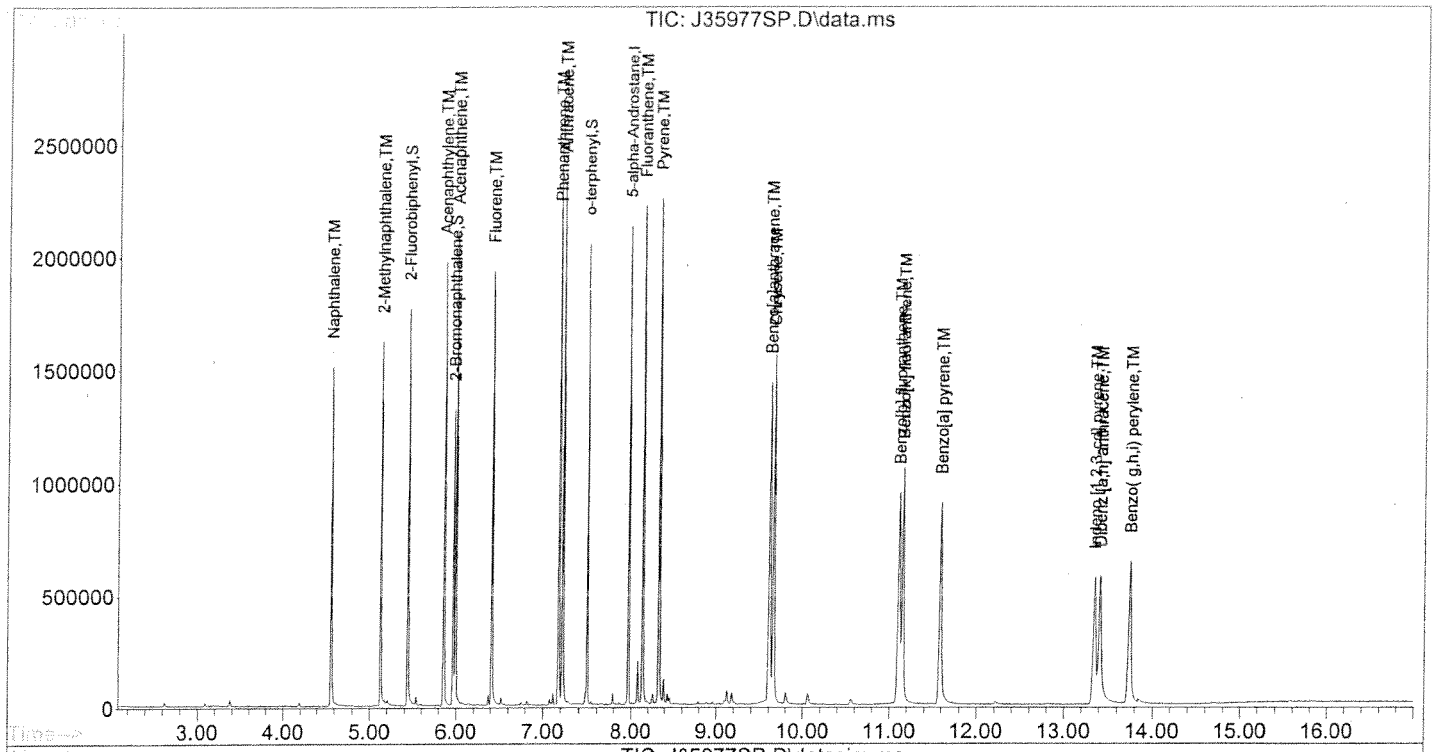
(#) = qualifier out of range (m) = manual integration (+) = signals summed

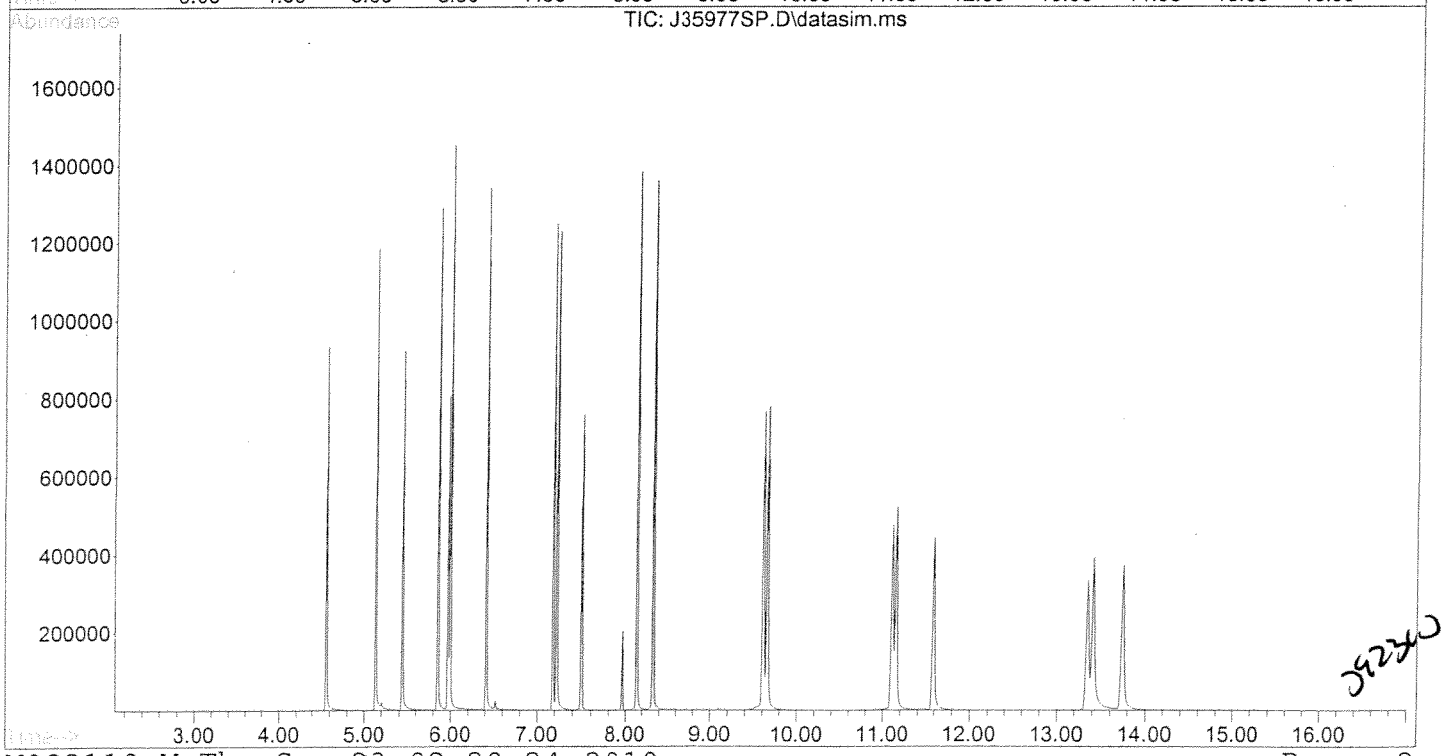
092310

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35977SP.D
Acq On : 22 Sep 2010 10:28 pm
Operator : AR/MG
Sample : 67834-15,MSD
Misc : SOIL,ARO
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Sep 23 02:20:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

9/23/10





J9220

Instrument D

analytics environmental laboratory LLC

Seq. ID: 080410-D

IS only#: EPH S9770 ~~S9770~~ AUL 8/4/10

EXP: 1/30/11

Tune File: ABU.u

Date: 8/4/10

Loading Check: AUL

Voltage: 1965

Analyst: AUL/NP

Unloading Check: NP

filament 2

Vial	Meth File	Sample	DF	Data File #	Comments
1	tunemix	S9836 tunemix	50ng	D71435T-45T	adjust utune
1	tunemix	S9836 tunemix	50ng	46T	✓
2	ALG80410	S9700 Ali 5		47 SI	✓
3		S9701 Ali 10		48	✓
4		S9702 Ali 20		49	✓
5		S9936 Ali 40		50	✓
6		S9704 Ali 50		51	✓
7		S9705 Ali 100		52	✓
8		S9715 Ali 20 ICV		53	✓
9	ARM80410	S9706 ARO 2		54 SI	✓
10		S9707 ARO 5		55	✓
11		S9708 ARO 10		56	✓
12		S9937 ARO 20		57	✓
13		S9710 ARO 50		58	✓
14		S9711 ARO 100		59	✓
15		S9716 ARO 20 ICV		60	✓ ~~ARO80510 SHI not used~~ OK
~~15~~		~~S9716 ARO 20 ICV~~		~~66~~	AUL 8/6/10
1	tunemix	S9836 tunemix			not recorded
5	ALG80410	S9936 Ali 40			
12	ARM80410	S9937 ARO 20			
16		Hexane w/IS			
15		S9716 ARO 20 ICV			
15		S9716 ARO 20 ICV			

AUL 8/6/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

C:\ANALYTICS LLC\ALEL Documents\logbooks\sequence

Rev 2 02/19/10

F107

analytics environmental laboratory LLC

Instrument D

EPH S10081 x 3/13/11

Seq. ID: 092110-D

IS only#:

EXP:

Tune File: ABN.U

Date: 9/21/10

Loading Check: ALR

Voltage: 1965

Analyst: ALR

Unloading Check:

W-D-092110-1-ALR

Vial	Meth File	Sample	DF	Data File #	Comments
100		methy		D71764	
1	Tunemix	S9836 tunemix 50ng		65T	✓ 2:09
2	ALG80410	S10042 ALI 40		66SC	✓
4		Hexane w IS		67	✓
15		~~B0902~~ B092010EASE, RR		68B	✓
30		B092010EASE2		69B	✓
31		L092010EASE 2		70Q	✓
32		LD092010EASE2		71Q	✓
33		67833-11		72	✓
34		-12		73	✓
35		-13		74	✓
36		-14		75	✓
37		-15		76	✓
38		-16		77	✓
39		67807 -1		78	✓
40		-2		79	RR 5X
~~41~~ 62		~~67807 -3~~		~~80~~	✓ ↓SJ ~~RR 5X~~
2		S10042 ALI 40	5X	81SC	✓
2		S10042 ALI 40		82SC	✓
		S9836 tunemix 50ng		83T	✓
2		S10042 ALI 40		84SC	✓
4		Hexane w IS		85	✓
31		B092010EASE2, RR		86B	✓
41		67807-3, RR		86C	confirms ↓SJ
42		67834-1		87	✓
~~43~~		-2		88	✓
~~44~~		-3		89	✓
~~45~~		-4		90	✓
~~47~~ 46		-5		91	RR10X C9-C18
~~48~~ 47		-6		92	RR10X C4-C8
~~49~~ 48		-15		93	✓
~~N50~~ 49		~~-15 MS~~		94	✓
~~51~~ 50		~~-15 MSD~~		95	✓
~~52~~ 51		~~-16~~		96	✓
~~53~~ 52		~~-17~~		97	✓
~~54~~ 53		~~-18~~		98	✓

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: 1005313

Methylene Chloride Lot:

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 2 02/19/10

[illegible] 5X D71781 — see above RR2X [illegible]

Instrument D

analytics environmental laboratory LLC

Cont.

Seq. ID 092110-D

EPH

IS only#: S10081 EXP: 3/13/11

Tune File: ABU.u

Date: 9/21/10 Loading Check: ALK

Voltage: 1965

Analyst: ALR/MG Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
39	ALG80410	67807-1, RR		D71798	Cont/RMS
2		S10042 ALI 40		D71799SC	✓
2		1		D71800SC	✓
1	tunemix	S9836tunemix 50ng		01T	✓
2	ALG80410	S10042 ALI 40		02SC	✓
4		hexane w/IS		03	✓
30		B092010EAFET, RR2		04B	✓
54		67835-1		05	✓
55		-2		06	✓
56		-3		07	✓
57		-4		08	✓
58		-5		09	✓
59		-6		10	✓
60		-6, MS		11SP	✓
61		-6, MSD		12SP	✓
62		67834-5	10	13	✓
63		-6	10	14	✓
2		S10042 ALI 40		*15SC	✓
2		S10042 ALI 40		16SC	✓
64		67807-2	2	Rerun before 15 15*	✓ 1:50 ml + 250 ml Hexane

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: 1005313

Methylene Chloride Lot:

Instrument J

analytics environmental laboratory LLC

092110-J EPH IS

IS only#: S10122 EXP: 3·21·2011

Tune File: ABN.U Date: 9·21·10 Loading Check: AHR

Voltage: 1953 Analyst: AHR/MJ Unloading Check: MJ

Vial	Meth File	Sample	DF	Data File #	Comments
100		MeCl2		J35914	
1	TUNEMIXEPH	S9836TUNE50		915T	✓
2		S10041 ARO 20		916 SC	Reject
3		↓		917SC	↓
100	ARMSIM92110.M	MeCl2		918	
2	ARM092110.M	S9714 ARO 0.1		919SI	✓
3	ARG092110.M	S9713 0.2		920 SI	✓
4		S9712 1.0		921 SI	✓
5		S9706 2		922SI	✓
6		S9707 5		923SI	✓
7		S9708 10		924SI	✓
8		S10041 20		925SI	✓
9		S9710 50		926SI	✓
10		S9711 100		927SI	✓
11		S9716 ARO 20 ICV		928	✓
12		S9717 ARO 2 ICV		929	✓
1	TUNEMIXEPH	S9836 TUNE 50		930T	✓
8	ARM092110.M	S10041 ARO 20		931SC	✓
13	ARG092110.M	Hexane w IS		932	✓
14		B092010EBSE	ARO	33B	✓
15		L092010EBSE		34Q	✓
16		LD092010EBSE		35Q	✓
17		L092010EBSE	ARI	36Q	✓
18		LD092010EBSE	ARI	37Q	✓
19		67833-1 ARO		38	✓
20		-2		39	✓
21		-3		40	✓
22		-4		41	✓
23		-5		42	✓
24		-6		43	✓
25		-6MS		44SP	✓
26		-6MSD		45SP	✓
27		67833-7		46	✓
28		-8		47	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uL sample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 3 11/25/09

[7]

Instrument J

Analytics environmental laboratory LLC

092110-J Cont. EPA F3

IS only#: S10122 EXP: 3-21-2011

Tune File: ABN.U Date: 92110 cont Loading Check:

Voltage: 1953 Analyst: ALR/mg Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
29	ARM092110.M	67833-9 ARO		J35948	✓
30	ARG092110.M	-10		49	✓
31		-11		50	✓
32		-12		51	✓
33		-13		52	✓
34		-14		53	✓
35		-15		54	✓
36		-16		55	✓
37		67807 -1		56	↓SUR RR Rex?
38		-2		57	RR2X
39		-3		58	✓
8		S10041 ARO 20		59SC	✓
8				60SC	✓
1	tunemix	59836 TUNESD		61T	✓ 1621
8	ARM092110	S10041 ARO 20		62SC	✓
13	ARG092110	Hexane WIS		63	✓
40		B092010BASE2	ARO	64B	✓
41		L092010BASE2		65Q	✓
42		LD092010BASE2		66Q	✓
43		L092010BASE2	ARI	67Q	✓
44		LD092010BASE2		68Q	✓
45		67834-1	ARO	69	✓
46		-2		70	✓
47		-3		71	✓
48		-4		72	✓
49		-5		73	✓
50		-6		74	✓
51		-15		75	✓
52		-15MS		76SP	✓
53		-15MSD		77SP	✓
54		-16		78	✓
55		-17		79	✓
56		-18		80	✓
57		67835-1		81	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot :

Methylene Chloride Lot:

Cont. Pg - 58

ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 3 11/25/09

Instrument J

Analytics environmental laboratory LLC

Cont. 092110-J

EPH

IS only#: 510122 EXP: 3/21/11

Tune File: ARN.u Date: 9/21/10 Loading Check: ALR/MG

Voltage: 1953 Analyst: ALR/MG Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
56	ARM092110	67835-2 ARO		J35982	✓
59	ARG092110	-3		83	✓
60		-4		84	✓
61		-5		85	✓
62		-6		86	✓
63		-6, ms		87	✓
64		-6, msd		88 *	✓
8		S10041 ARO	20	89 SC	✓
8		S10041 ARO	20	90 SC	✓
65		67807-2	2	Rerun after 86 89 *	✓
37		-1 RR		91	out of window since continuing only

9/23/10

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uL sample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: J20501

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 3 11/25/09

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9700 ALI 5	D71447SI.D	8/5/10 2:18
S9701 ALI 10	D71448SI.D	8/5/10 2:48
S9702 ALI 20	D71449SI.D	8/5/10 3:19
S9936 ALI 40	D71450SI.D	8/5/10 3:49
S9704 ALI 50	D71451SI.D	8/5/10 4:20
S9705 ALI 100	D71452SI.D	8/5/10 4:50
S9715 ALI 20 ICV	D71453.D	8/5/10 5:21

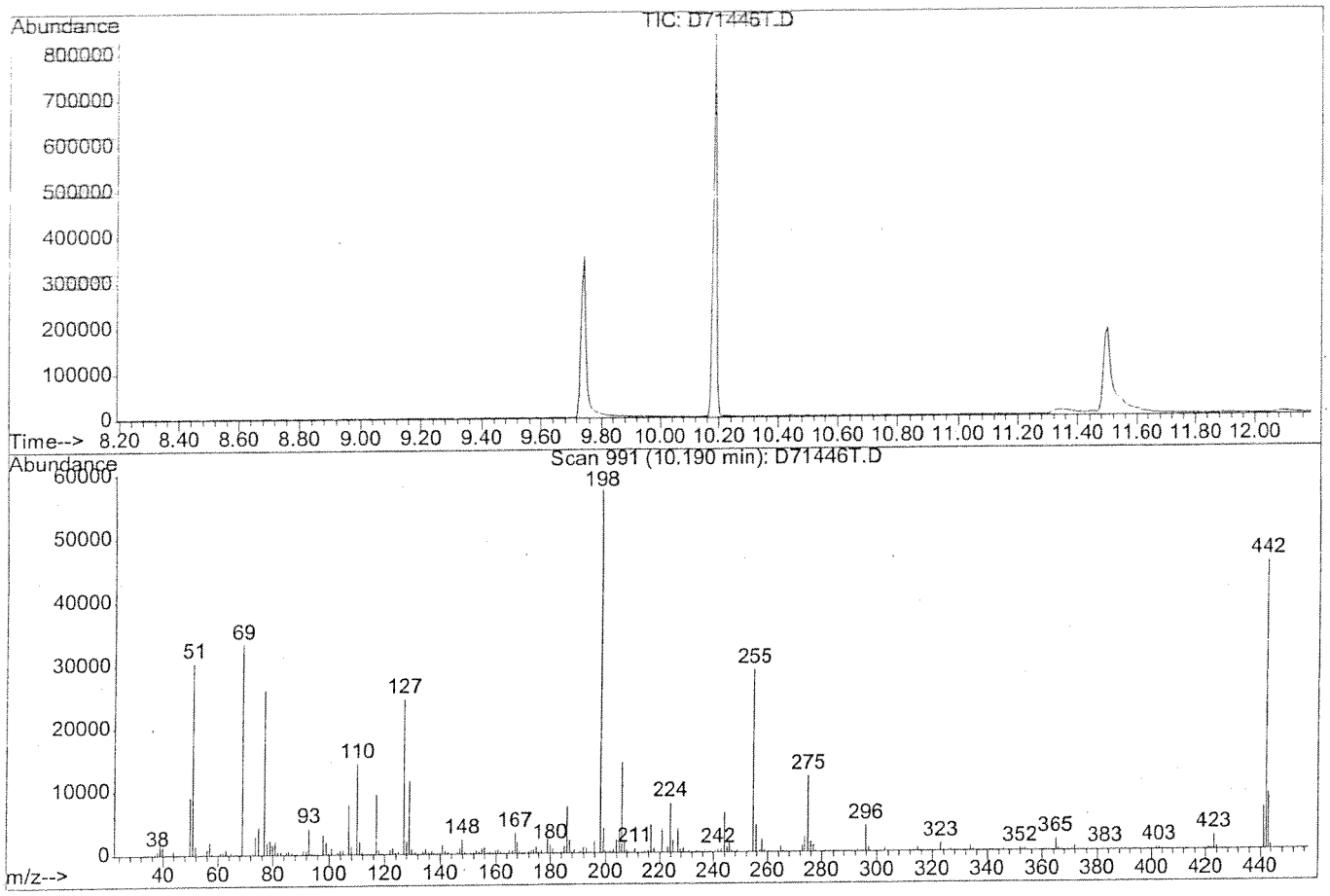
Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Wr080C10



Spectrum Information: Scan 991

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.9	30392	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.0	33320	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.7	24560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	57496	PASS
199	198	5	9	6.9	3944	PASS
275	198	10	30	20.9	12023	PASS
365	198	1	100	3.2	1842	PASS
441	443	0.01	100	76.4	6759	PASS
442	198	40	100	79.4	45640	PASS
443	442	17	23	19.4	8852	PASS

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:04 2010

PM 8/5/10

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71446T.D**
Date Acquired **8/5/2010 1:47**

NT080510

Name	Target Response
PENTACHLOROPHENOL	39778.00
BENZIDINE	151505.00
DDE	53.00
DDD	1884
DDT	149663

(0% - 20%)

%DDT BREAKDOWN = 1.28% **OK** ✓

8/5/10

8/5/10 2:16 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N080520

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.74	266	39778	15.78 UG/L	95
2) DFTPP	10.18	198	75090	24.58 ug/ml#	60
3) BENZIDINE	11.50	184	151505	18.88 UG/L #	100
4) DDE	11.79	246	53	0.53 UG/L #	24
5) DDD	12.36	235	1884	18.84 UG/L #	19
6) DDT	12.93	235	149663	33.12 UG/L #	86

✓ 8/5/10

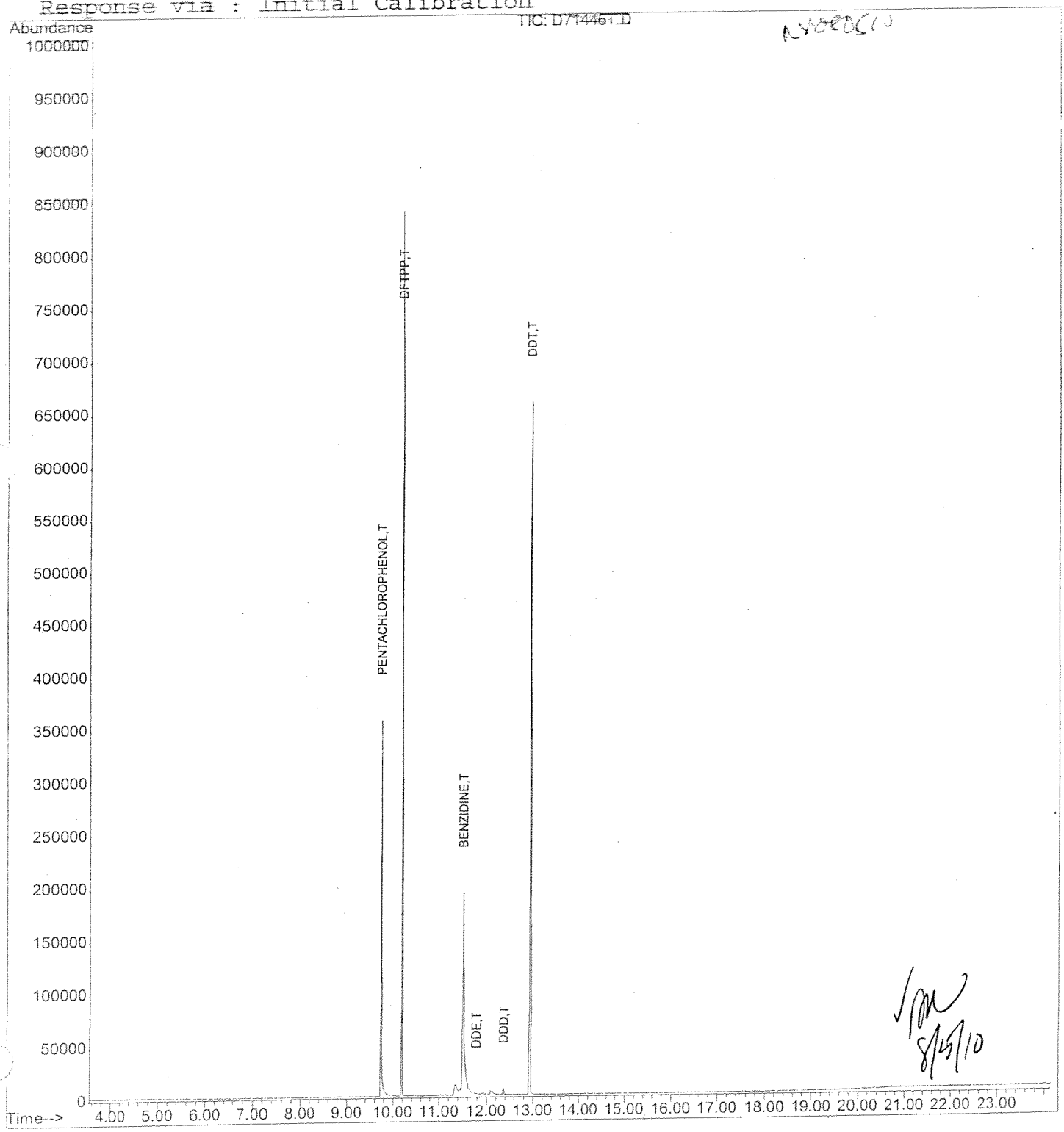
(#) = qualifier out of range (m) = manual integration
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RE

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration



NYOEDC(1)

8/5/10

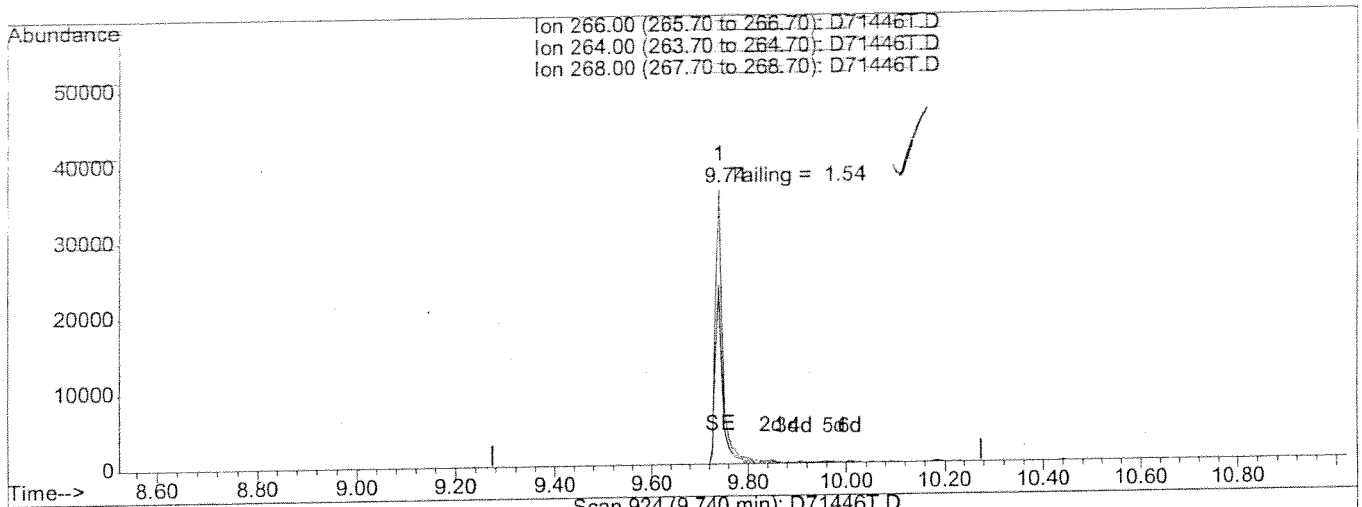
Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

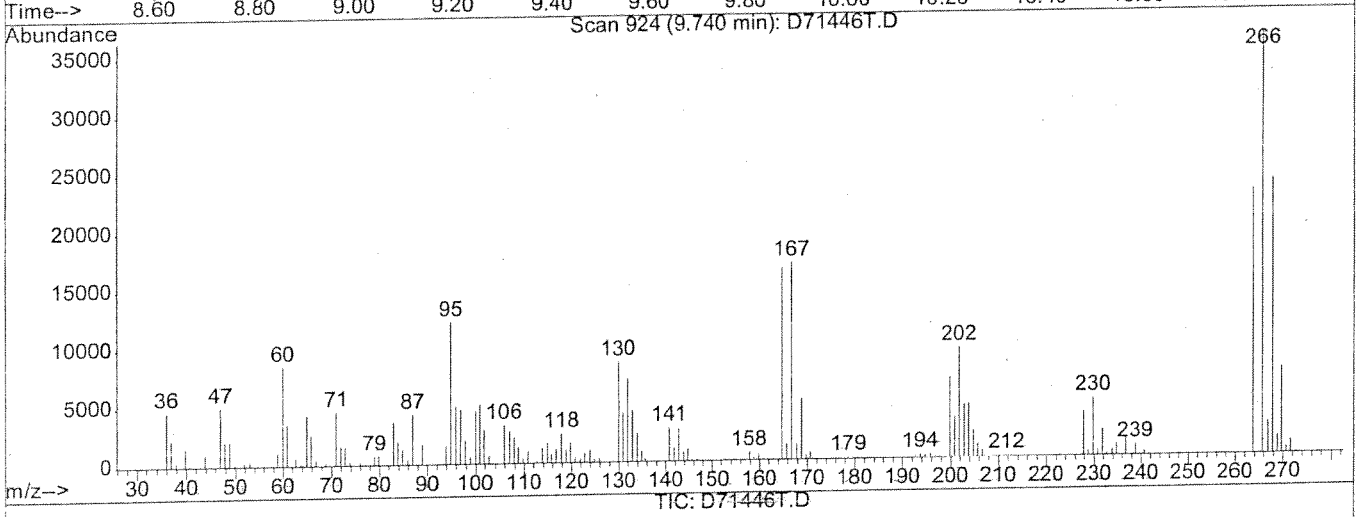
Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

AJ080510





(1) PENTACHLOROPHENOL (T)

9.74min 15.78UG/L

response 39778

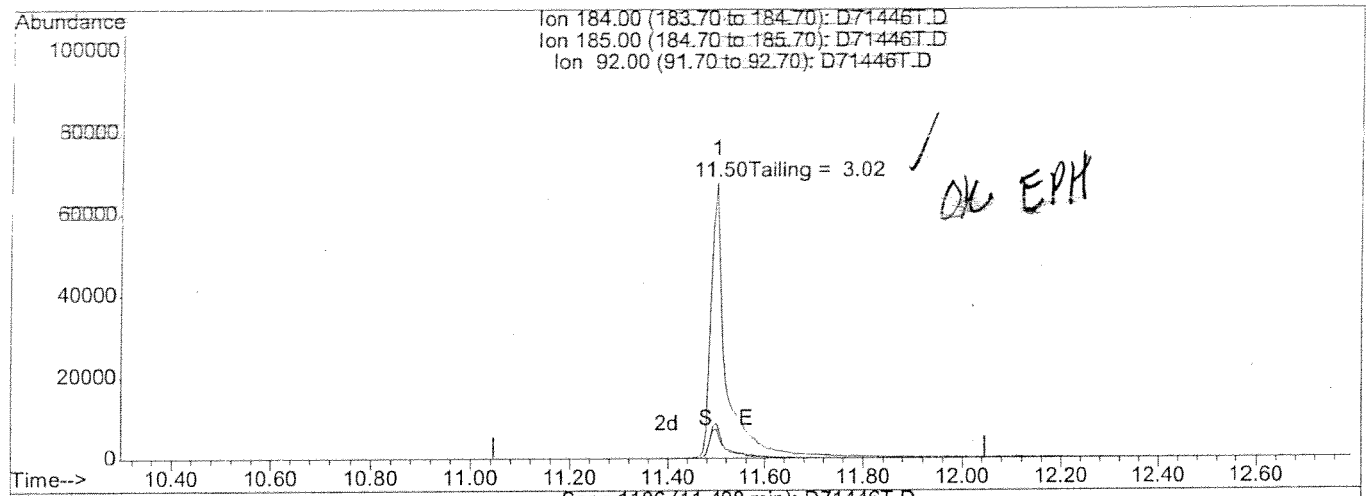
Ion	Exp%	Act%
266.00	100	100
264.00	59.50	61.59
268.00	58.20	63.08
0.00	0.00	0.00

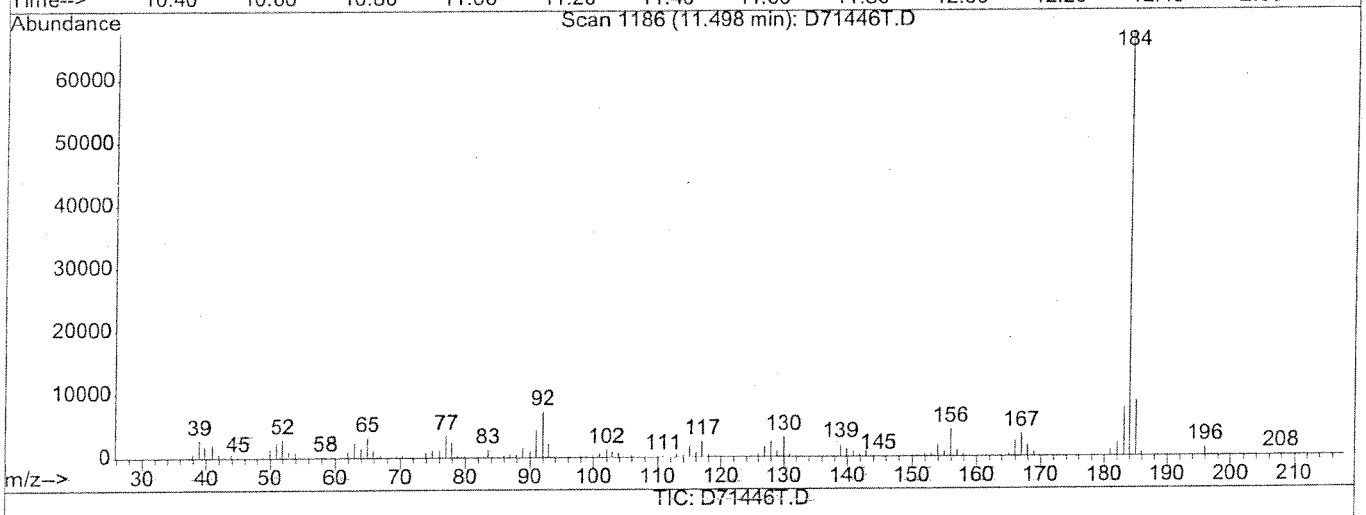
8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:40 2010

Data File : D:\HPCHEM\1\DATA\080410 D\D71446T.D Vial: 1
Acq On : 5 Aug 2010 1:47 am Operator: AR/NP
Sample : S9836 TUNEMIX 50NG Inst : GC/MS In
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010 Nr080910
Response via : Single Level Calibration





(3) BENZIDINE (T)

11.50min 18.88UG/L

response 151505

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.18#
92.00	0.00	10.90#
0.00	0.00	0.00

OK 8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:19:09 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67834
DFTPP File ID: J35915T.D
DFTPP Injection Date: 09/21/10
DFTPP Injection Time: 22:24

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9706 ARO 2	J35922SI.D	9/22/10 1:27
S9707 ARO 5	J35923SI.D	9/22/10 1:50
S9708 ARO 10	J35924SI.D	9/22/10 2:13
S10041 ARO 20	J35925SI.D	9/22/10 2:36
S9710 ARO 50	J35926SI.D	9/22/10 2:59
S9711 ARO 100	J35927SI.D	9/22/10 3:22
S9716 ARO 20 ICV	J35928.D	9/22/10 3:45

Refer to the DFTPP report J35915T.D for ion ratio evaluation.

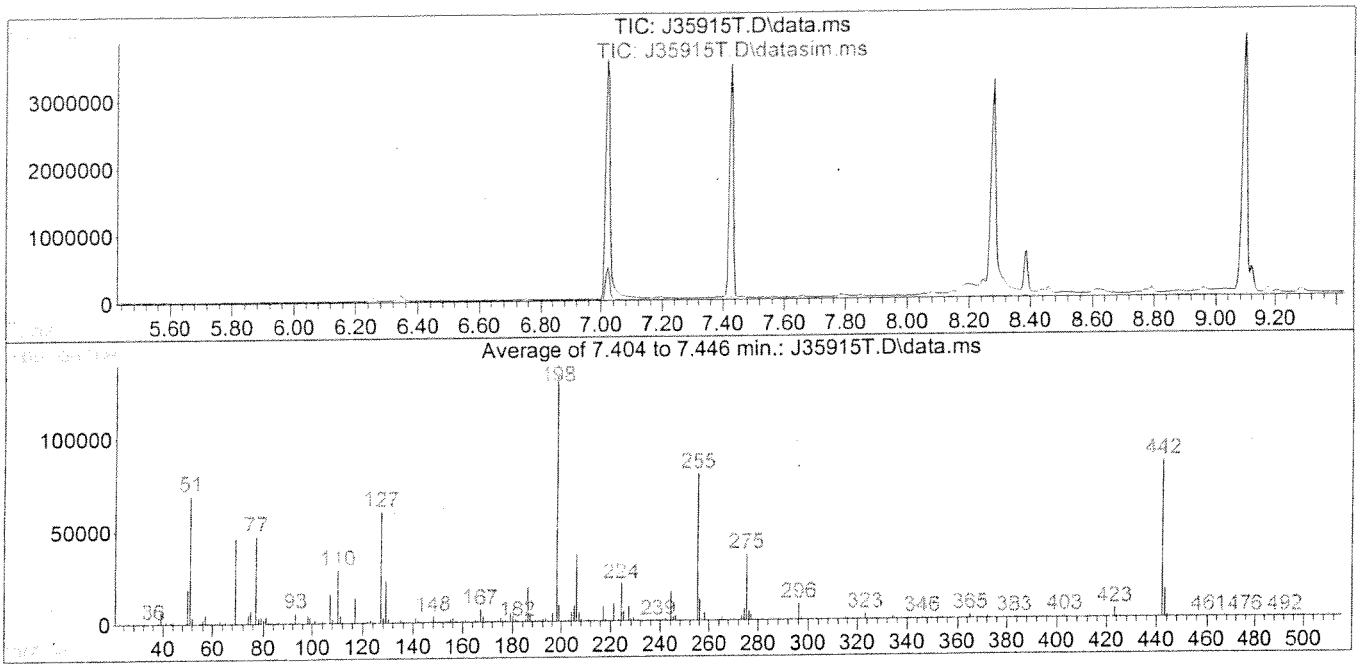
EPH FORM 5

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Wed Sep 22 00:54:43 2010

M 9/22/10



Spectrum Information: Average of 7.404 to 7.446 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.5	69708	PASS
68	69	0.00	2	0.0	15	PASS
69	198	0.00	100	34.8	46182	PASS
70	69	0.00	2	0.6	261	PASS
127	198	40	60	45.4	60362	PASS
197	198	0.00	1	0.0	15	PASS
198	198	100	100	100.0	132842	PASS
199	198	5	9	6.8	8983	PASS
275	198	10	30	27.0	35860	PASS
365	198	1	100	1.6	2103	PASS
441	443	0.01	100	0.7	109	PASS
442	198	40	100	63.8	84794	PASS
443	442	17	23	18.0	15226	PASS

592210

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35915T.D**
Date Acquired **9/21/2010 22:24**

9/22/10

Name	Target Response
Pentachlorophenol	492228.00
Benzidine	1576401.00
DDE	2055.00
DDD	32145
DDT	980153

(0% - 20%)

%DDT BREAKDOWN = 3.37% **OK** ✓

092210

9/22/2010 12:55 AM

C:\msdchem\custrpt\ABN CUSTRPT\TUNEMIX.CRT

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

MV
9/22/10

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	7.020	266	492228	33.66 ug/ml	100
2) DFTPP	7.427	198	370749	30.69 ug/ml#	100
3) Benzidine	8.280	184	1576401	25.47 ug/ml#	100
4) DDE	8.444	246	2055	1.40 ug/ml#	100
5) DDD	8.772	235	32145	2.00 ug/ml#	100
6) DDT	9.097	235	980153	31.94 ug/ml#	100

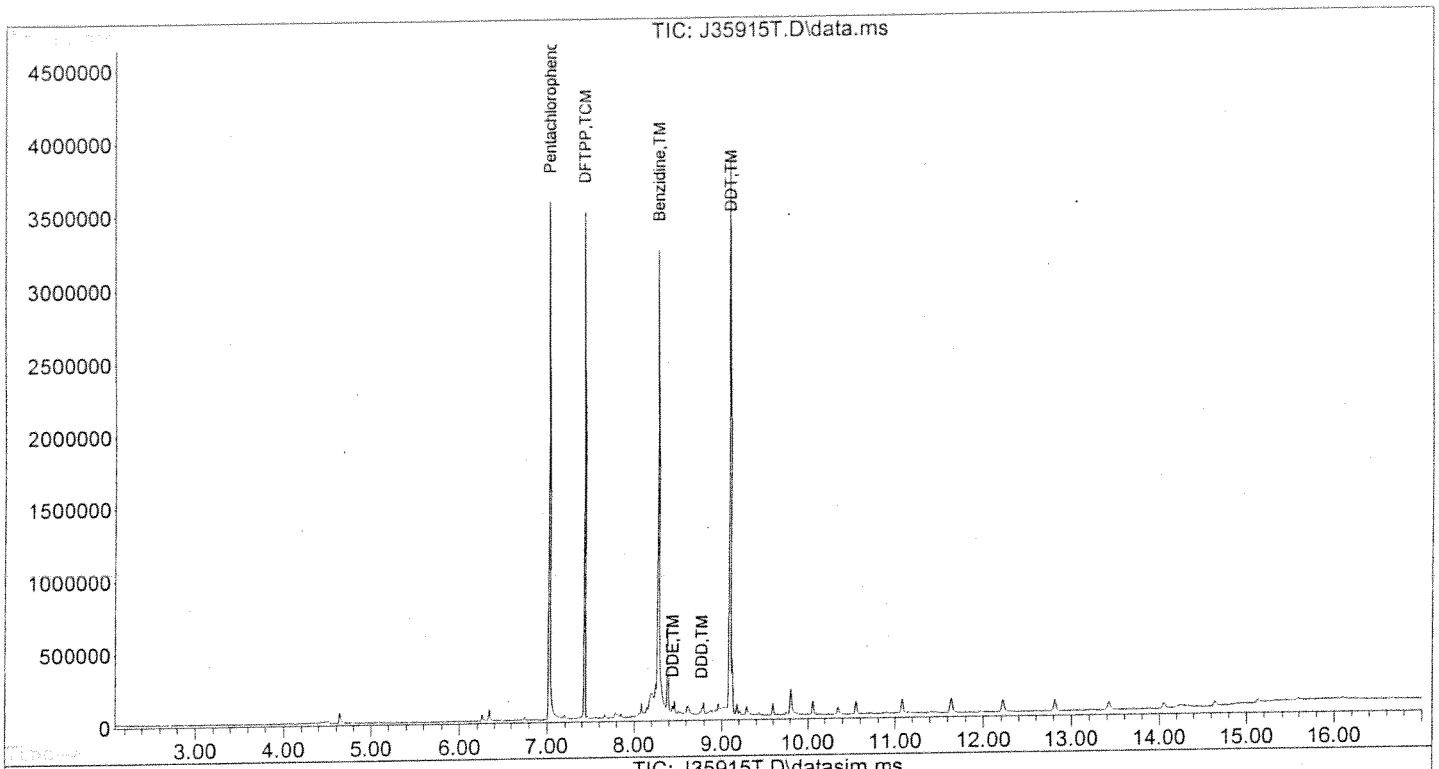
(#) = qualifier out of range (m) = manual integration (+) = signals summed

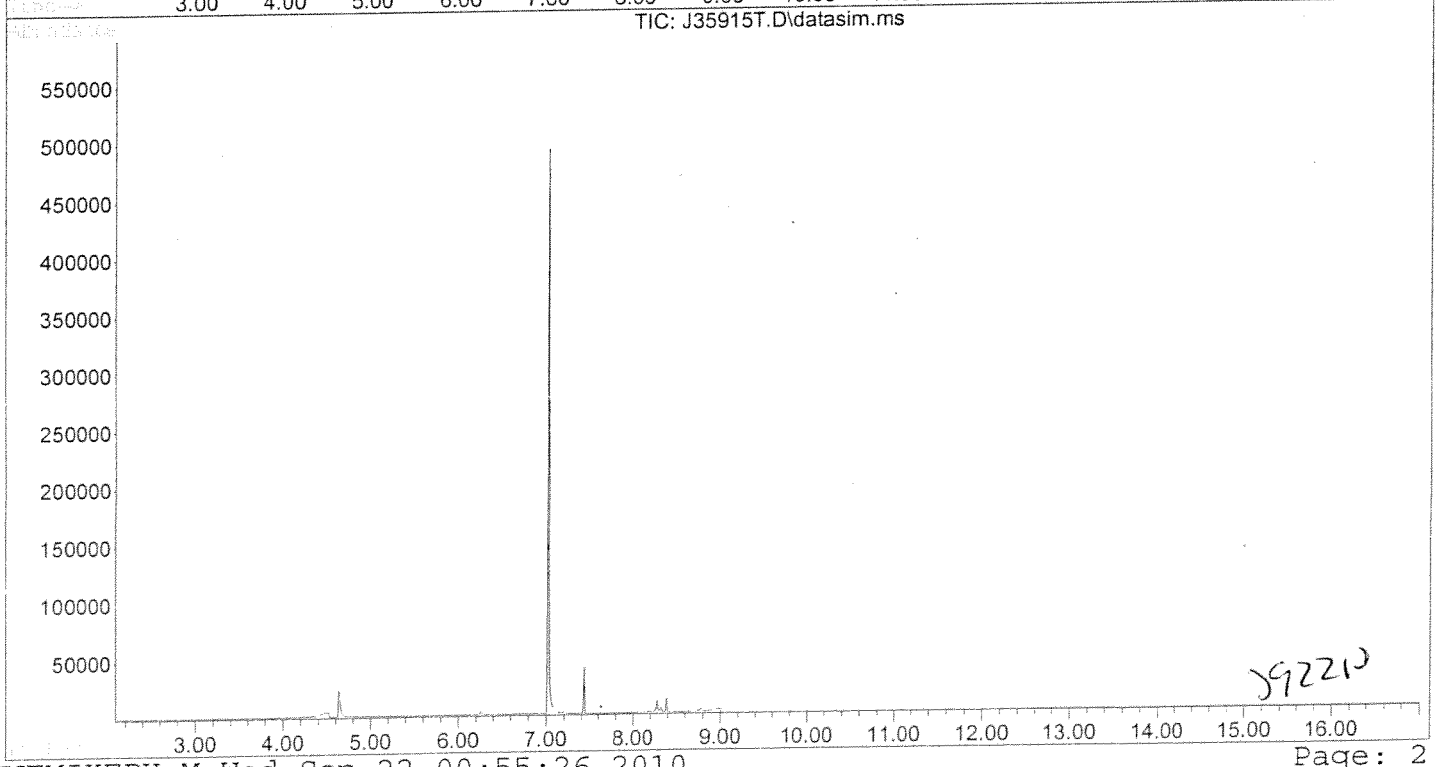
J92210

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

ML 9/22/10



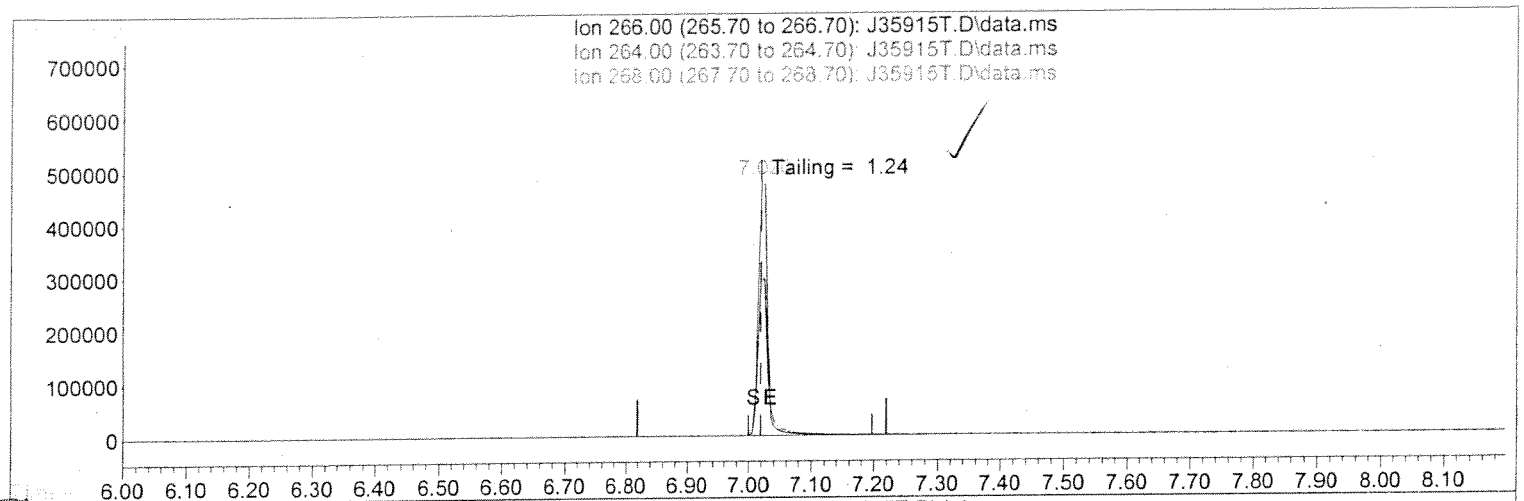


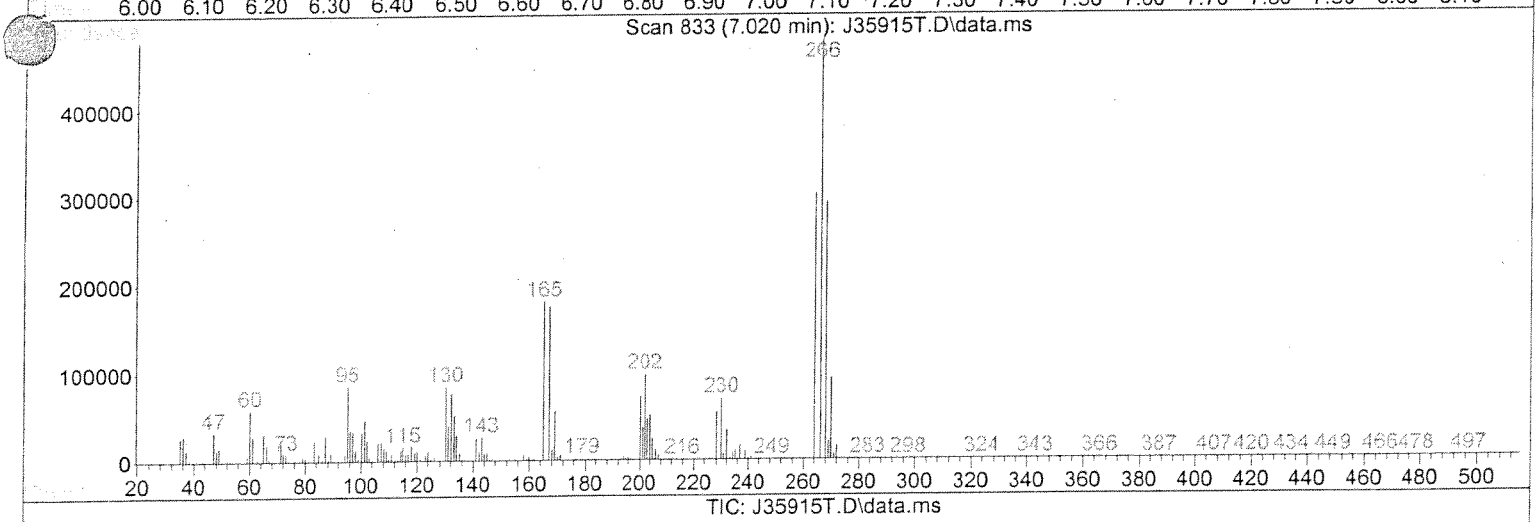
J92210

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

9/22/10





(1) Pentachlorophenol (TMC)

7.020min (0.000) 33.66ug/ml

response 492228

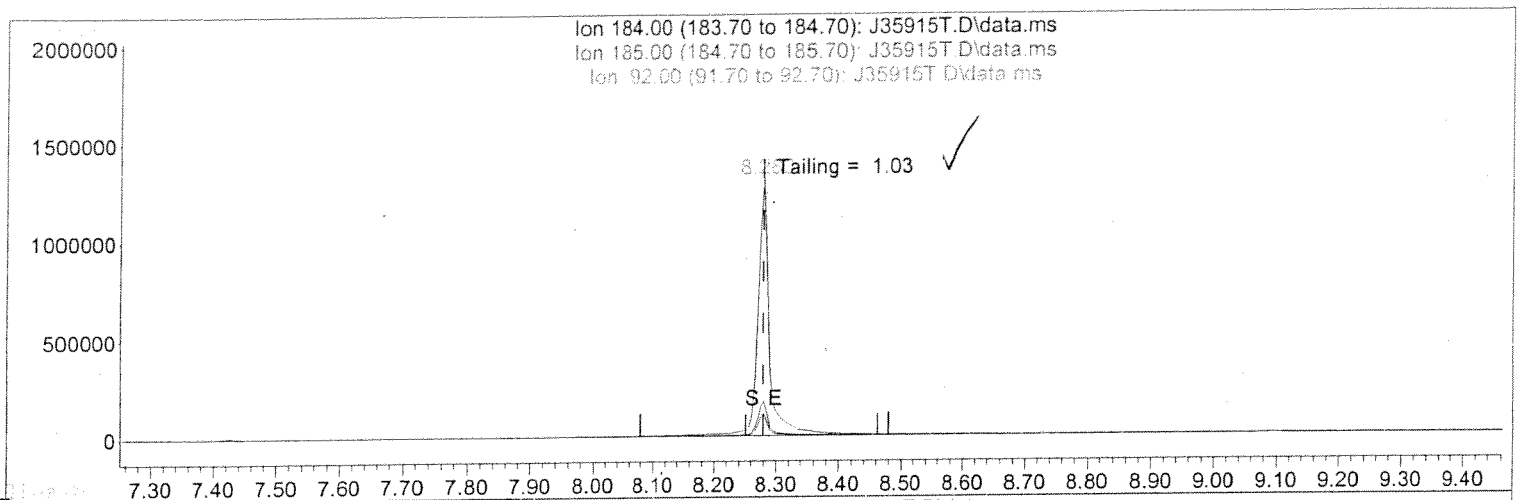
Ion	Exp%	Act%
266.00	100	100
264.00	63.20	63.10
268.00	61.50	61.69
0.00	0.00	0.00

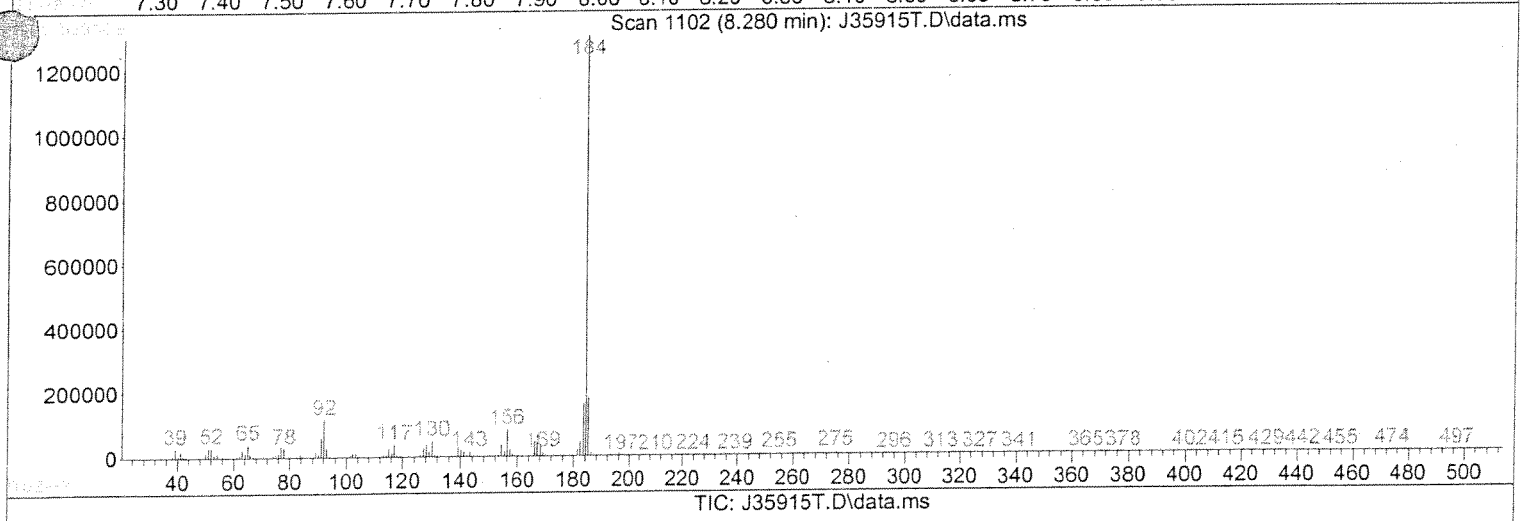
JG2210

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

9/22/10





(3) Benzidine (TM)

8.280min (0.000) 25.47ug/ml

response 1576401

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	14.27#
92.00	0.00	8.87#
0.00	0.00	0.00

JI 2210

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834
DFTPP File ID: D71765T.D
DFTPP Injection Date: 09/22/10
DFTPP Injection Time: 2:09

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71766SC.D	9/22/10 2:39
HEXANE W/IS	D71767.D	9/22/10 3:09
B092010EASE2	D71769B.D	9/22/10 4:10
L092010EASE2	D71770Q.D	9/22/10 4:39
LD092010EASE2	D71771Q.D	9/22/10 5:10
S10042 ALI 40	D71781SC.D	9/22/10 12:57
S10042 ALI 40	D71782SC.D	9/22/10 13:28

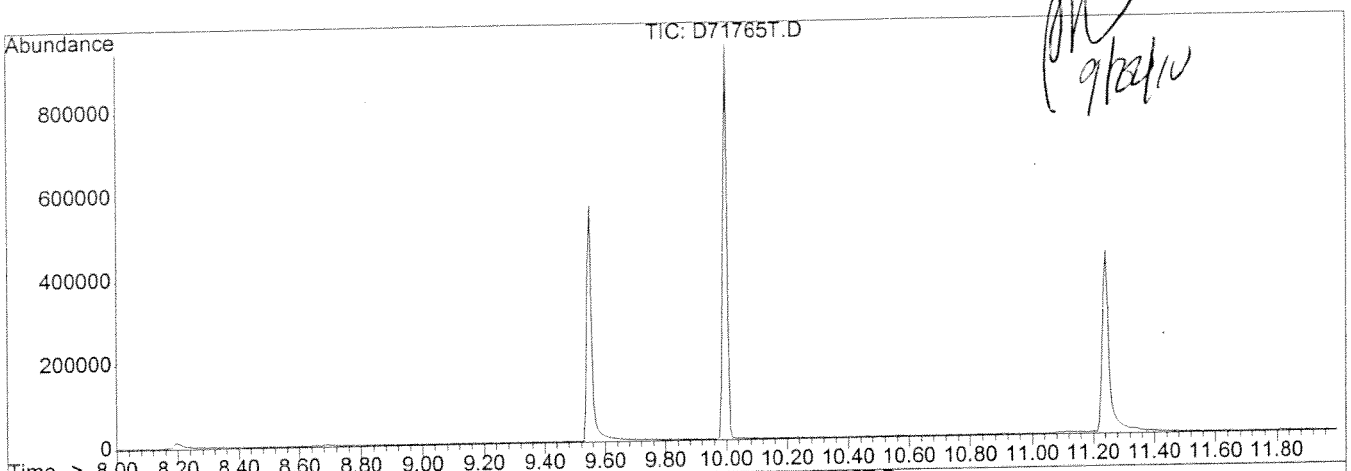
Refer to the DFTPP report D71765T.D for ion ratio evaluation.

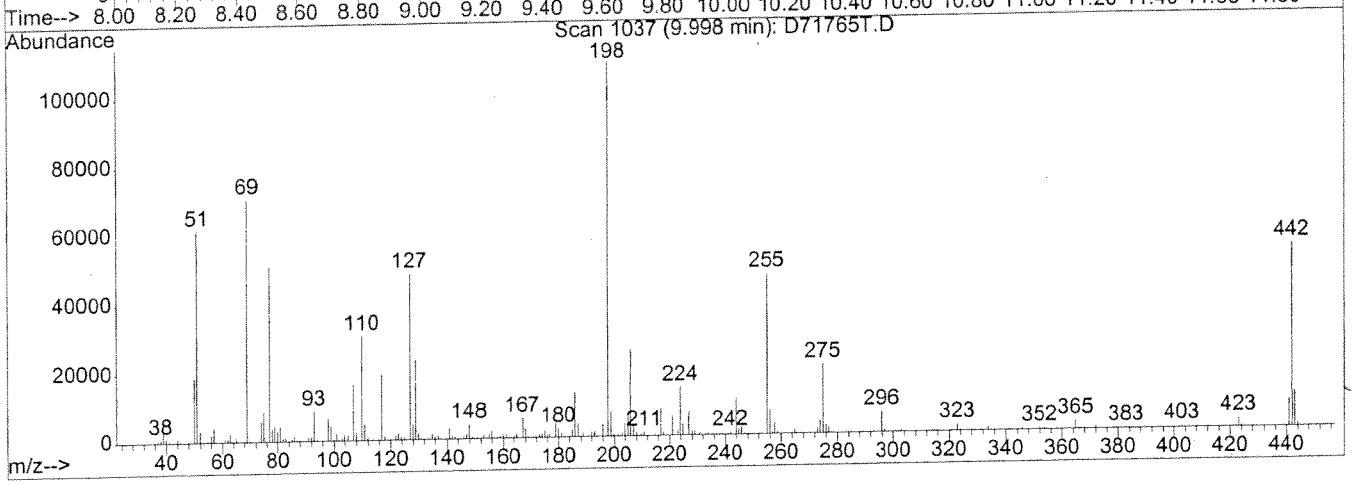
EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00





Spectrum Information: Scan 1037

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	56.3	61576	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	64.5	70552	PASS
70	69	0.00	2	0.5	341	PASS
127	198	40	60	44.2	48336	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109320	PASS
199	198	5	9	6.7	7314	PASS
275	198	10	30	18.4	20128	PASS
365	198	1	100	2.2	2428	PASS
441	443	0.01	100	79.0	8051	PASS
442	198	40	100	48.7	53272	PASS
443	442	17	23	19.1	10188	PASS

9/22/10

D71765T.D TUNMXEPH.M Wed Sep 22 03:41:16 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71765T.D**
Date Acquired **9/22/2010 2:09**

OK 9/22/10

Name	Target Response
PENTACHLOROPHENOL	61202.00
BENZIDINE	243269.00
DDE	72.00
DDD	600
DDT	152622

(0% - 20%)

%DDT BREAKDOWN = 0.44% **OK** ✓

092210

9/22/10 3:42 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/22/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.55	266	61202	24.28	UG/L	97
2) DFTPP	10.00	198	89800	29.39	ug/ml	96
3) BENZIDINE	11.24	184	243269	30.32	UG/L #	100
4) DDE	11.50	246	72	0.72	UG/L #	100
5) DDD	12.07	235	600	6.00	UG/L #	36
6) DDT	12.60	235	152622	33.78	UG/L	97

J92210

(#) = qualifier out of range (m) = manual integration
D71765T.D TUNMXEPH.M Wed Sep 22 03:42:48 2010

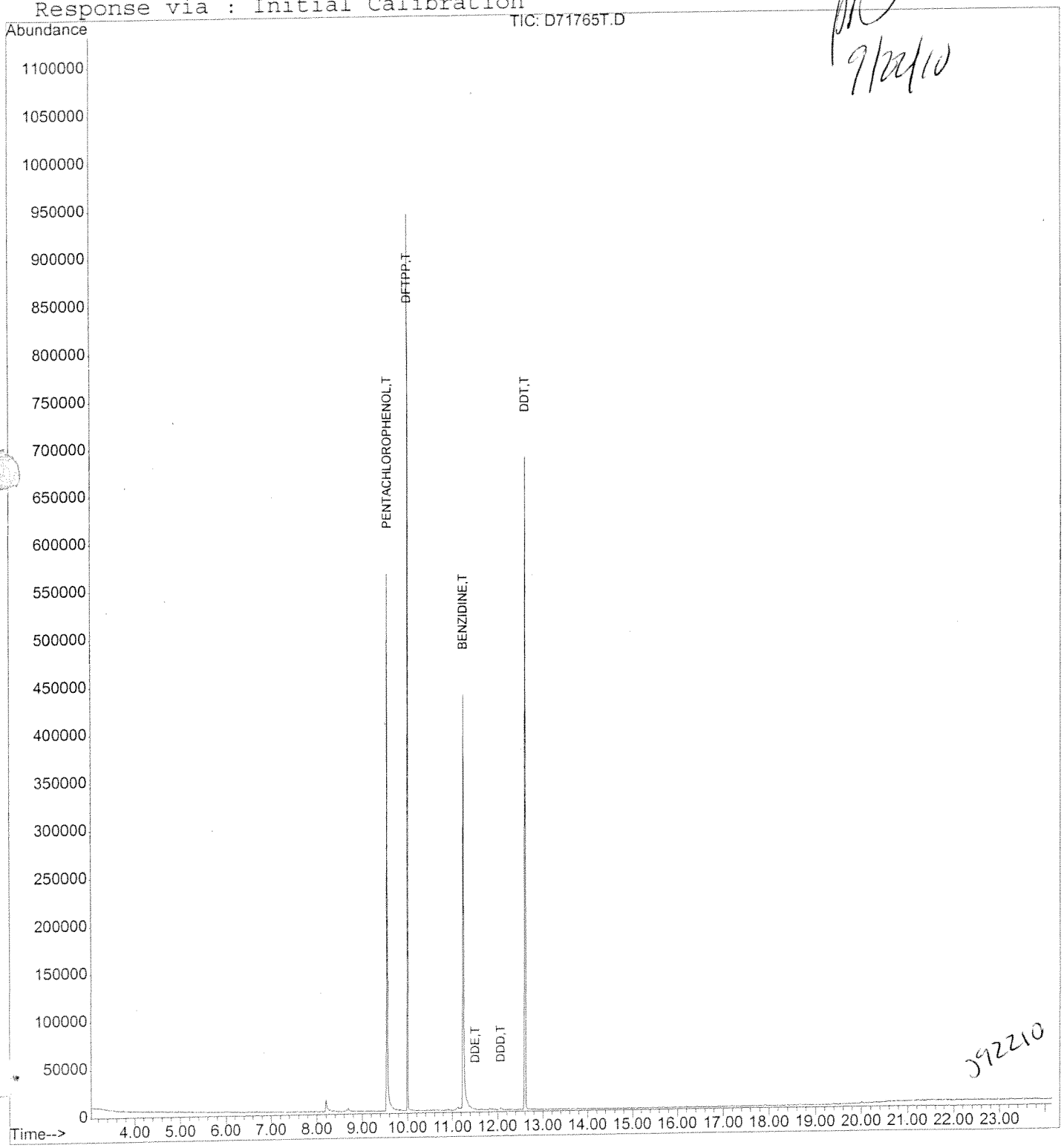
Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration

9/22/10



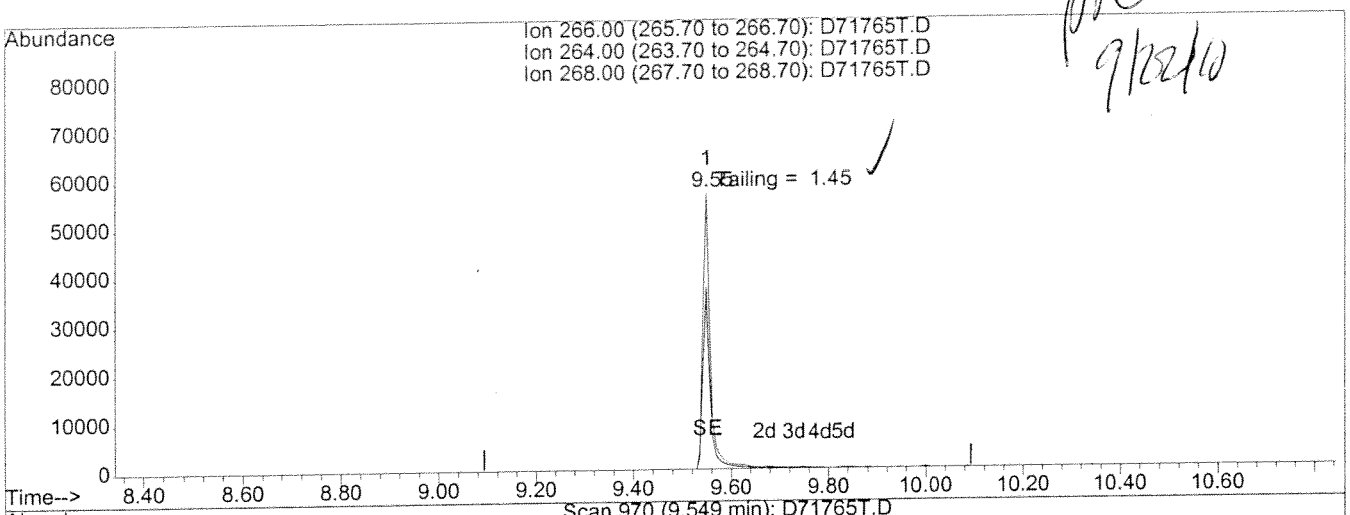
092210

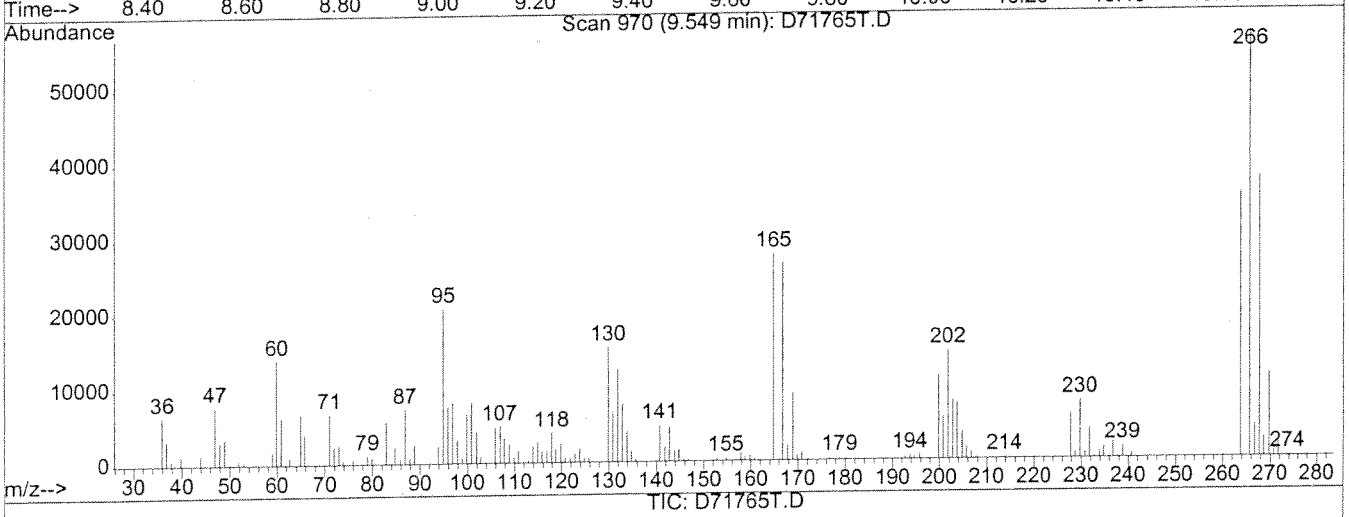
Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/22/10





(1) PENTACHLOROPHENOL (T)

9.55min 24.28UG/L

response 61202

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	62.65
268.00	62.40	64.84
0.00	0.00	0.00

592210

D71765T.D TUNMXEPH.M Wed Sep 22 03:42:55 2010

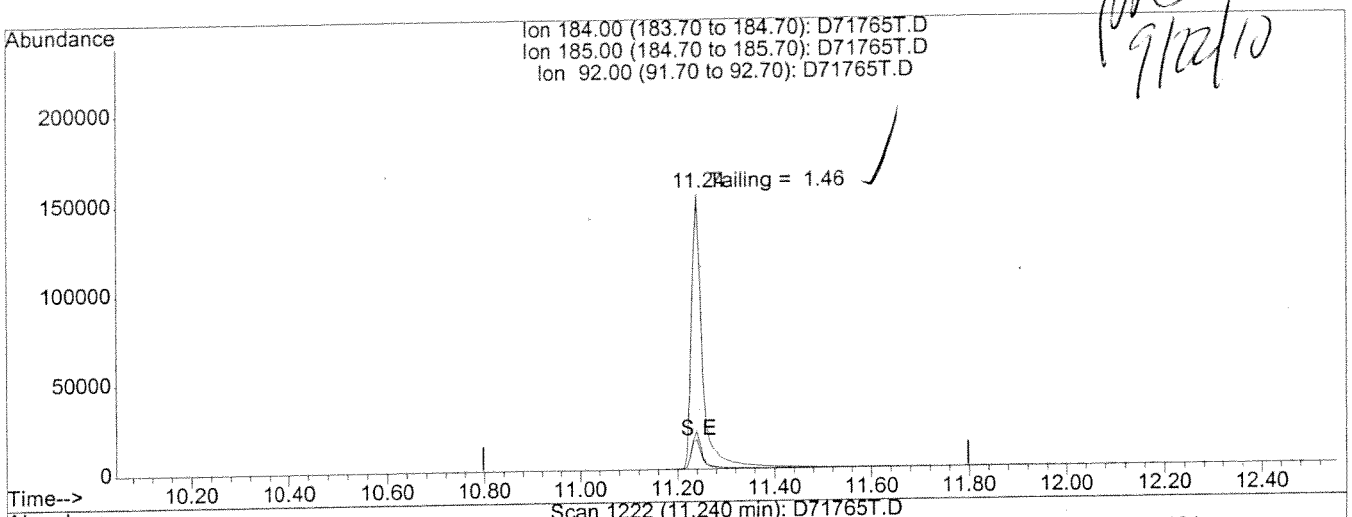
Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

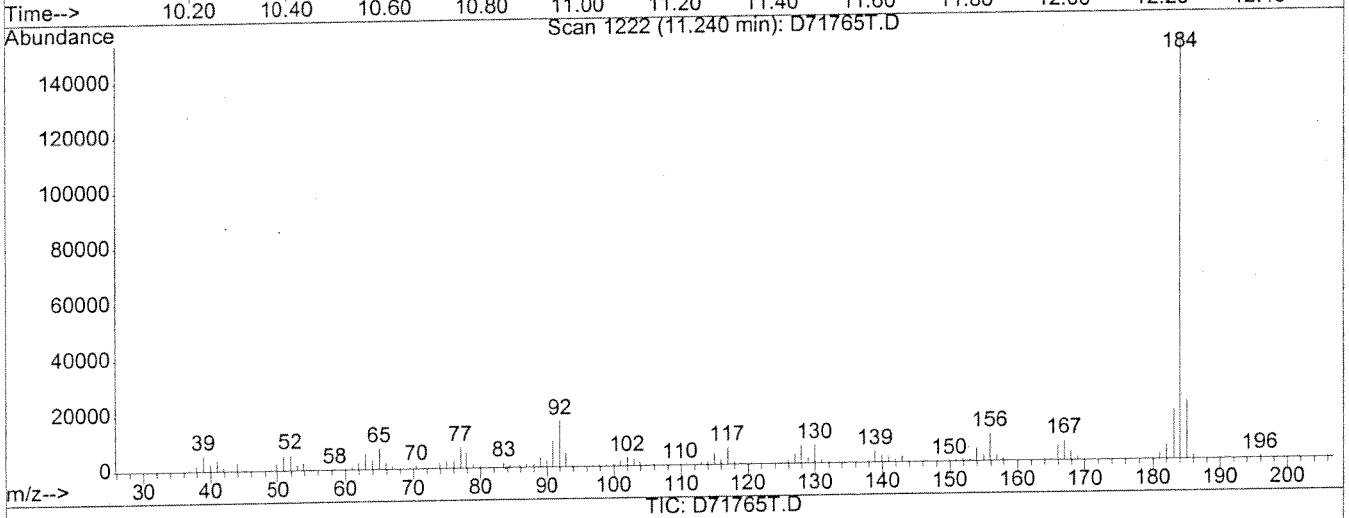
Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/22/10





TIC: D71765T.D

(3) BENZIDINE (T)

11.24min 30.32UG/L

response 243269

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.30#
92.00	0.00	10.82#
0.00	0.00	0.00

9/22/10

D71765T.D TUNMXEPH.M Wed Sep 22 03:43:01 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834
DFTPP File ID: D71783T.D
DFTPP Injection Date: 09/22/10
DFTPP Injection Time: 13:58

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
S10042 ALI 40	D71784SC.D	9/22/10	14:28
HEXANE W/IS	D71785.D	9/22/10	14:59
B092010EASE2,RR	D71786B.D	9/22/10	15:29
67834-1	D71787.D	9/22/10	16:29
67834-2	D71788.D	9/22/10	16:59
67834-3	D71789.D	9/22/10	17:29
67834-4	D71790.D	9/22/10	17:58
67834-5	D71791.D	9/22/10	18:28
67834-6	D71792.D	9/22/10	18:58
67834-15	D71793.D	9/22/10	19:29
67834-15,MS	D71794SP.D	9/22/10	19:59
67834-15,MSD	D71795SP.D	9/22/10	20:29
67834-16	D71796.D	9/22/10	20:59
67834-17	D71797.D	9/22/10	21:29
67834-18	D71798.D	9/22/10	21:59

Refer to the DFTPP report D71783T.D for ion ratio evaluation.

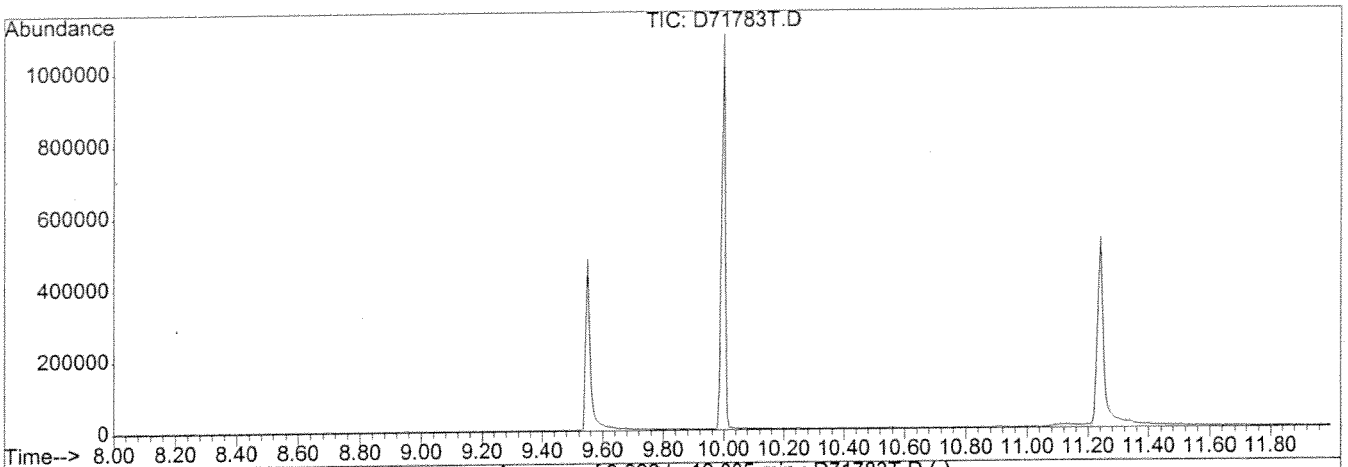
EPH FORM 5

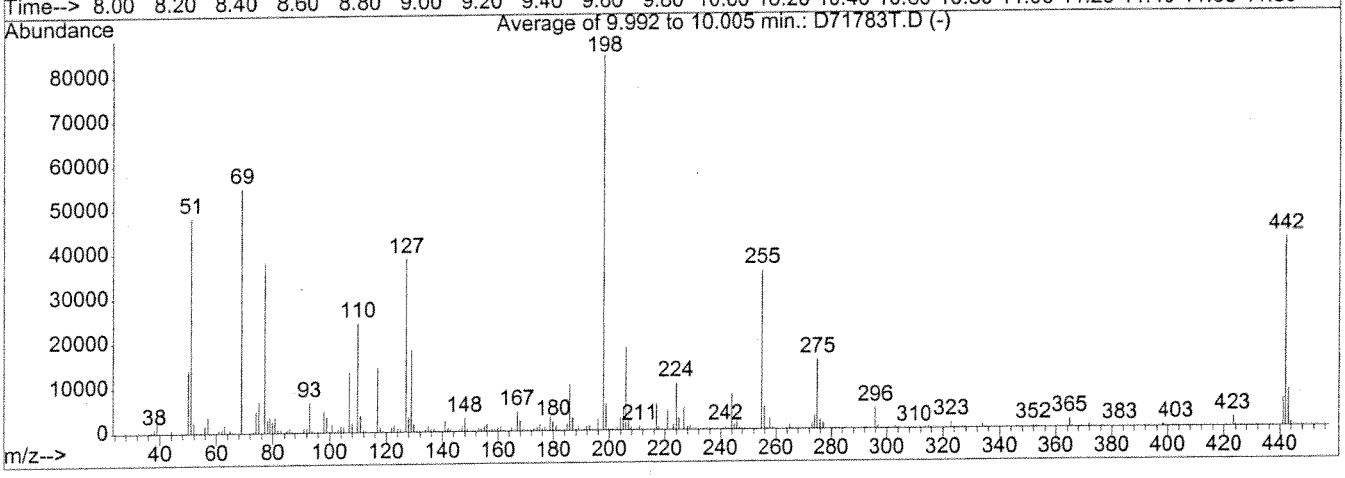
DFTPP

Data File : D:\HPCHEM\1\DATA\092110-D\D71783T.D
Acq On : 22 Sep 2010 1:58 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

S92210





AutoFind: Scans 1036, 1037, 1038; Background Corrected with Scan 1031

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	57.2	48266	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	65.1	54893	PASS
70	69	0.00	2	0.2	119	PASS
127	198	40	60	45.9	38680	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	84336	PASS
199	198	5	9	6.8	5746	PASS
275	198	10	30	18.3	15465	PASS
365	198	1	100	2.2	1842	PASS
441	443	0.01	100	77.1	6368	PASS
442	198	40	100	50.3	42386	PASS
443	442	17	23	19.5	8257	PASS

9/22/10

D71783T.D TUNMXEPH.M Wed Sep 22 15:13:32 2010

9/22/10

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71783T.D**
Date Acquired **9/22/2010 1:58**

Name	Target Response
PENTACHLOROPHENOL	53413.00
BENZIDINE	284651.00
DDE	323.00
DDD	1358
DDT	181202

(0% - 20%)

%DDT BREAKDOWN = 0.92% **OK** ✓

✓ PM 9/22/10

9/22/10 3:12 PM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\092110-D\D71783T.D
Acq On : 22 Sep 2010 1:58 pm
Sample : S9836 TUNEMIX 50NG
Misc :
: Integration Params: rteint.p
Quant Time: Sep 22 15:12 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/22/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.55	266	53413	21.19 UG/L	99
2) DFTPP	10.00	198	108844	35.63 ug/ml	96
3) BENZIDINE	11.24	184	284651	35.47 UG/L #	100
4) DDE	11.50	246	323	3.23 UG/L #	100
5) DDD	12.06	235	1358	13.58 UG/L #	76
6) DDT	12.60	235	181202	40.10 UG/L	99

JON
9/22/10

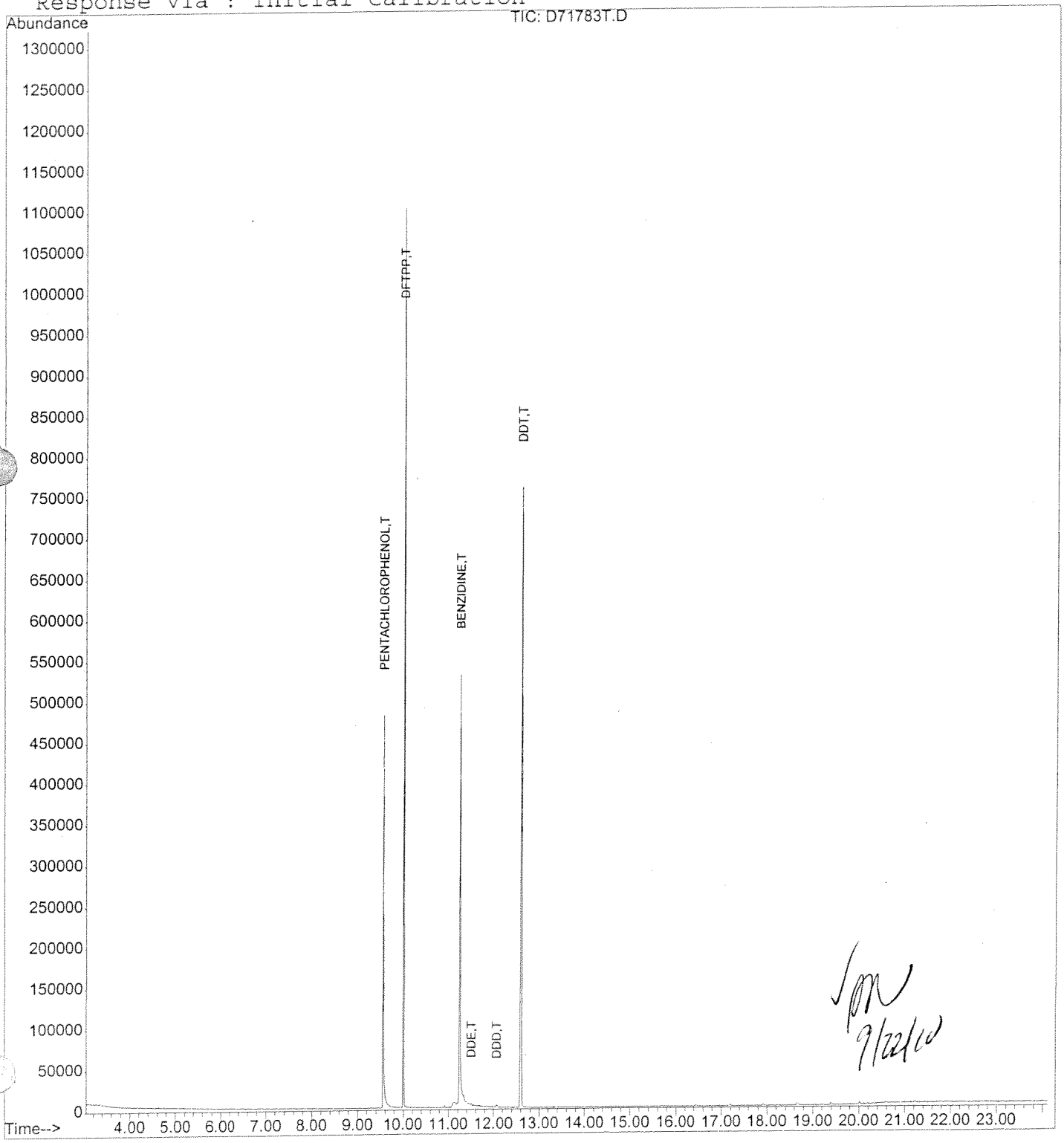
(#) = qualifier out of range (m) = manual integration
D71783T.D TUNMXEPH.M Wed Sep 22 15:12:28 2010

Data File : D:\HPCHEM\1\DATA\092110-D\D71783T.D
Acq On : 22 Sep 2010 1:58 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 15:12 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration

JZZW



9/22/10

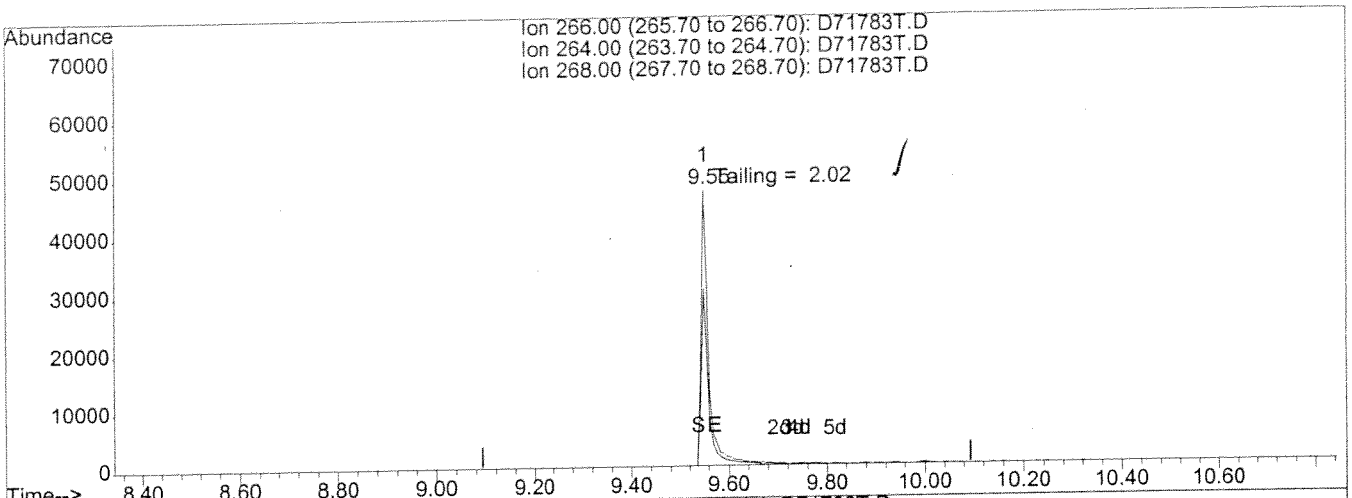
Data File : D:\HPCHEM\1\DATA\092110-D\D71783T.D
Acq On : 22 Sep 2010 1:58 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 15:12 2010

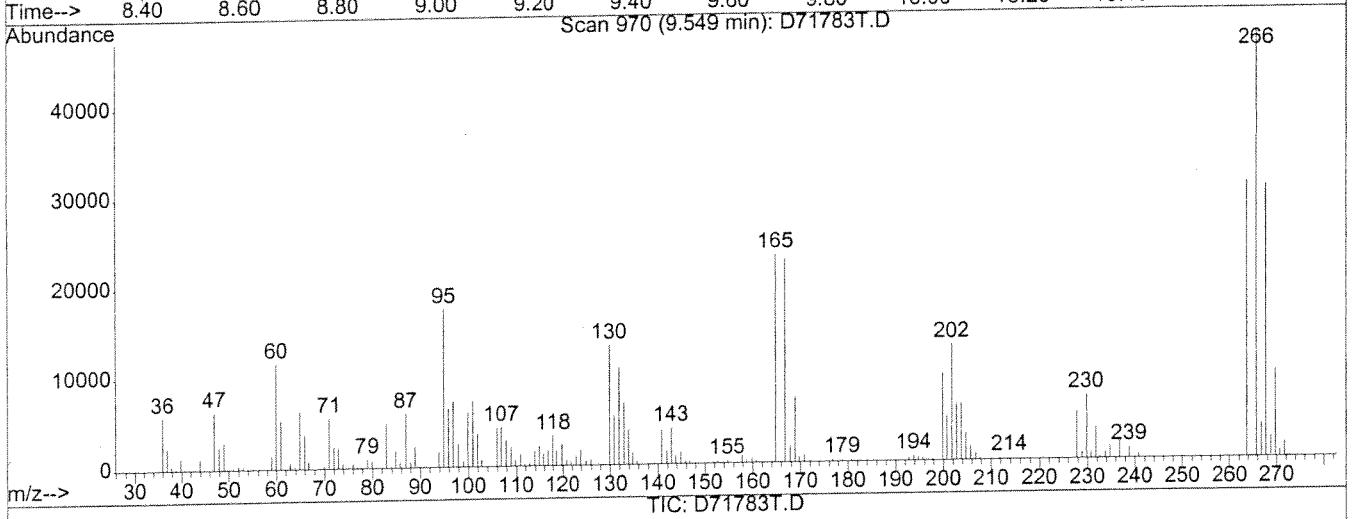
Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

J92210





(1) PENTACHLOROPHENOL (T)

9.55min 21.19UG/L

response 53413

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	62.31
268.00	62.40	62.44
0.00	0.00	0.00

9/22/10

D71783T.D TUNMXEPH.M Wed Sep 22 15:13:05 2010

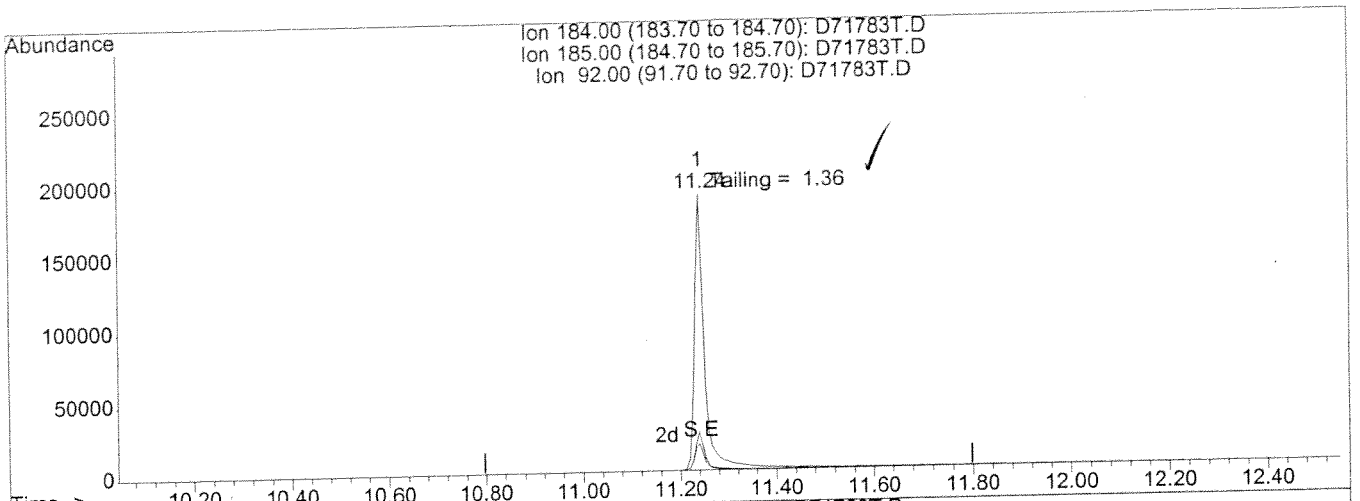
Data File : D:\HPCHEM\1\DATA\092110-D\D71783T.D
Acq On : 22 Sep 2010 1:58 pm
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 15:12 2010

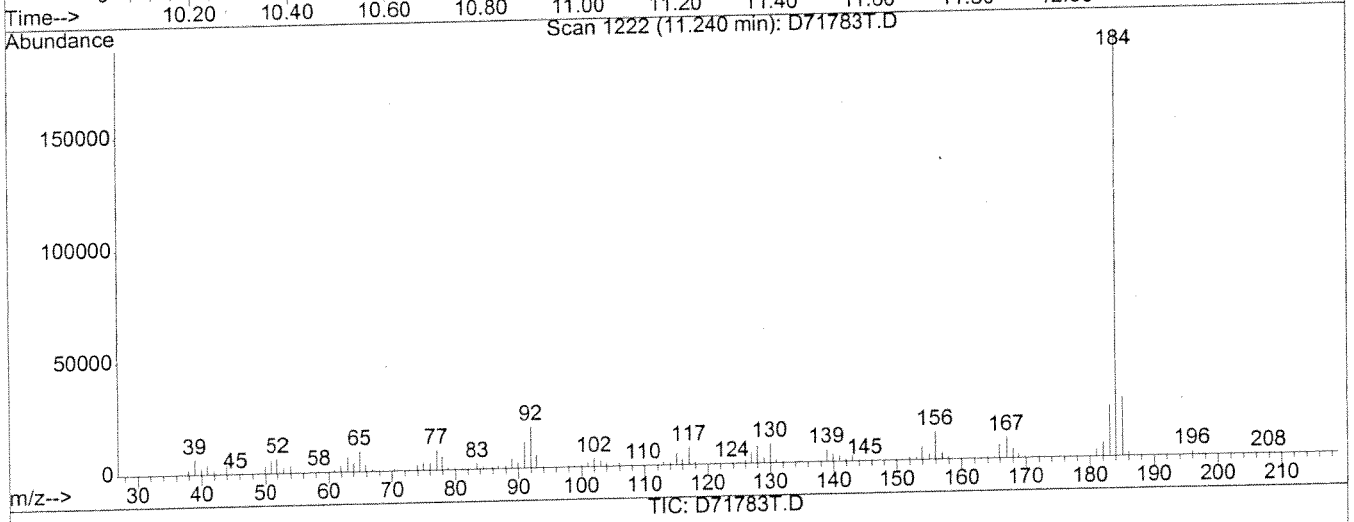
Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

922W





(3) BENZIDINE (T)

11.24min 35.47UG/L

response 284651

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.34#
92.00	0.00	10.11#
0.00	0.00	0.00

9/22/10

D71783T.D TUNMXEPH.M Wed Sep 22 15:13:13 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67834
DFTPP File ID: J35961T.D
DFTPP Injection Date: 09/22/10
DFTPP Injection Time: 16:21

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
S10041 ARO 20	J35962SC.D	9/22/10	16:44
HEXANE W/IS	J35963.D	9/22/10	17:06
B092010EASE2	J35964B.D	9/22/10	17:29
L092010EASE2	J35965Q.D	9/22/10	17:52
LD092010EASE2	J35966Q.D	9/22/10	18:15
L092010EASE2	J35967Q.D	9/22/10	18:38
LD092010EASE2	J35968Q.D	9/22/10	19:01
67834-1	J35969.D	9/22/10	19:24
67834-2	J35970.D	9/22/10	19:47
67834-3	J35971.D	9/22/10	20:10
67834-4	J35972.D	9/22/10	20:33
67834-5	J35973.D	9/22/10	20:56
67834-6	J35974.D	9/22/10	21:19
67834-15	J35975.D	9/22/10	21:42
67834-15,MS	J35976SP.D	9/22/10	22:05
67834-15,MSD	J35977SP.D	9/22/10	22:28
67834-16	J35978.D	9/22/10	22:51
67834-17	J35979.D	9/22/10	23:14
67834-18	J35980.D	9/22/10	23:37
S10041 ARO 20	J35989SC.D	9/23/10	3:27
S10041 ARO 20	J35990SC.D	9/23/10	3:49

Refer to the DFTPP report J35961T.D for ion ratio evaluation.

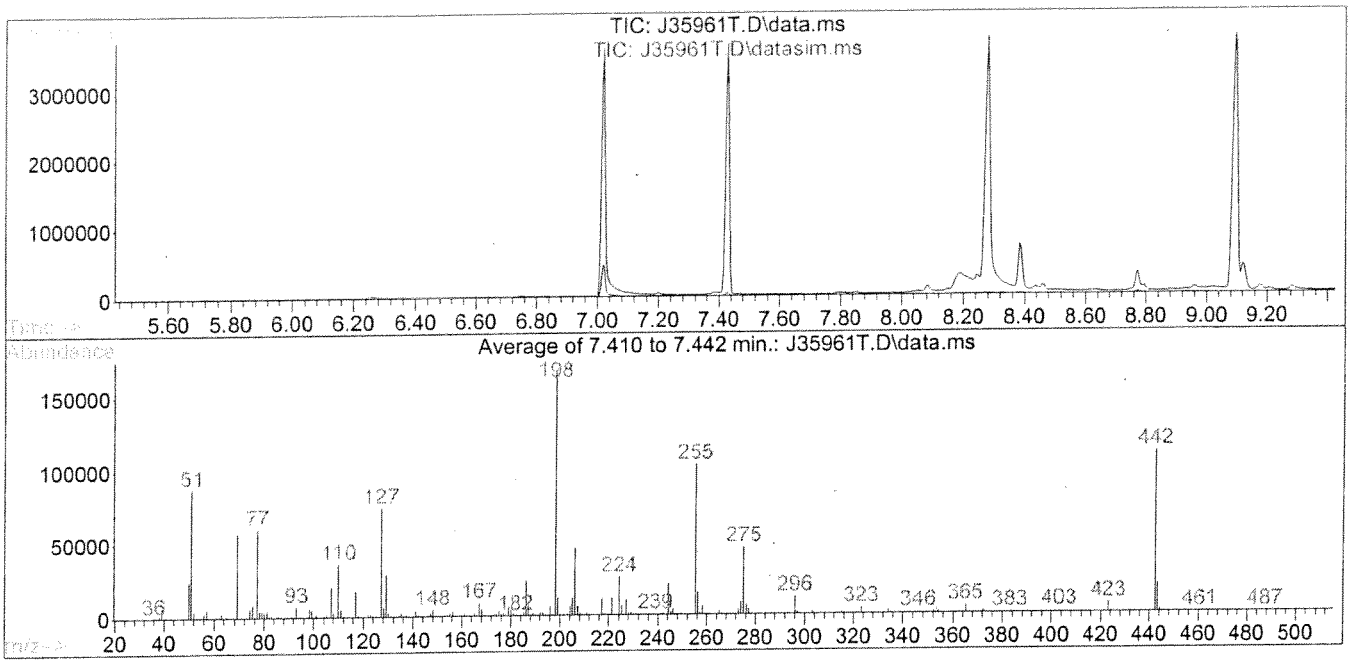
EPH FORM 5

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

J9220

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Wed Sep 22 00:54:43 2010



Spectrum Information: Average of 7.410 to 7.442 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.4	87396	PASS
68	69	0.00	2	0.0	13	PASS
69	198	0.00	100	34.2	56981	PASS
70	69	0.00	2	0.5	296	PASS
127	198	40	60	44.5	74319	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	166838	PASS
199	198	5	9	7.0	11739	PASS
275	198	10	30	27.3	45619	PASS
365	198	1	100	3.0	5013	PASS
441	443	0.01	100	1.4	269	PASS
442	198	40	100	66.0	110074	PASS
443	442	17	23	17.6	19322	PASS

7/23/10

J92210

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35961T.D**
Date Acquired **9/22/2010 16:21**

Name	Target Response
Pentachlorophenol	495669.00
Benzidine	1792770.00
DDE	1916.00
DDD	75871
DDT	952905

(0% - 20%)

%DDT BREAKDOWN = 7.55% **OK** ✓

9/23/10

9/22/2010 7:10 PM

C:\msdchem\custrpt\ABN CUSTRPT\TUNEMIX.CRT

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

S92210

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	7.021	266	495669	33.90 ug/ml	99
2) DFTPP	7.428	198	373615	30.93 ug/ml#	100
3) Benzidine	8.281	184	1792770	28.97 ug/ml#	100
4) DDE	8.445	246	1916	1.30 ug/ml#	100
5) DDD	8.773	235	75871	4.71 ug/ml#	100
6) DDT	9.095	235	952905	31.05 ug/ml#	100

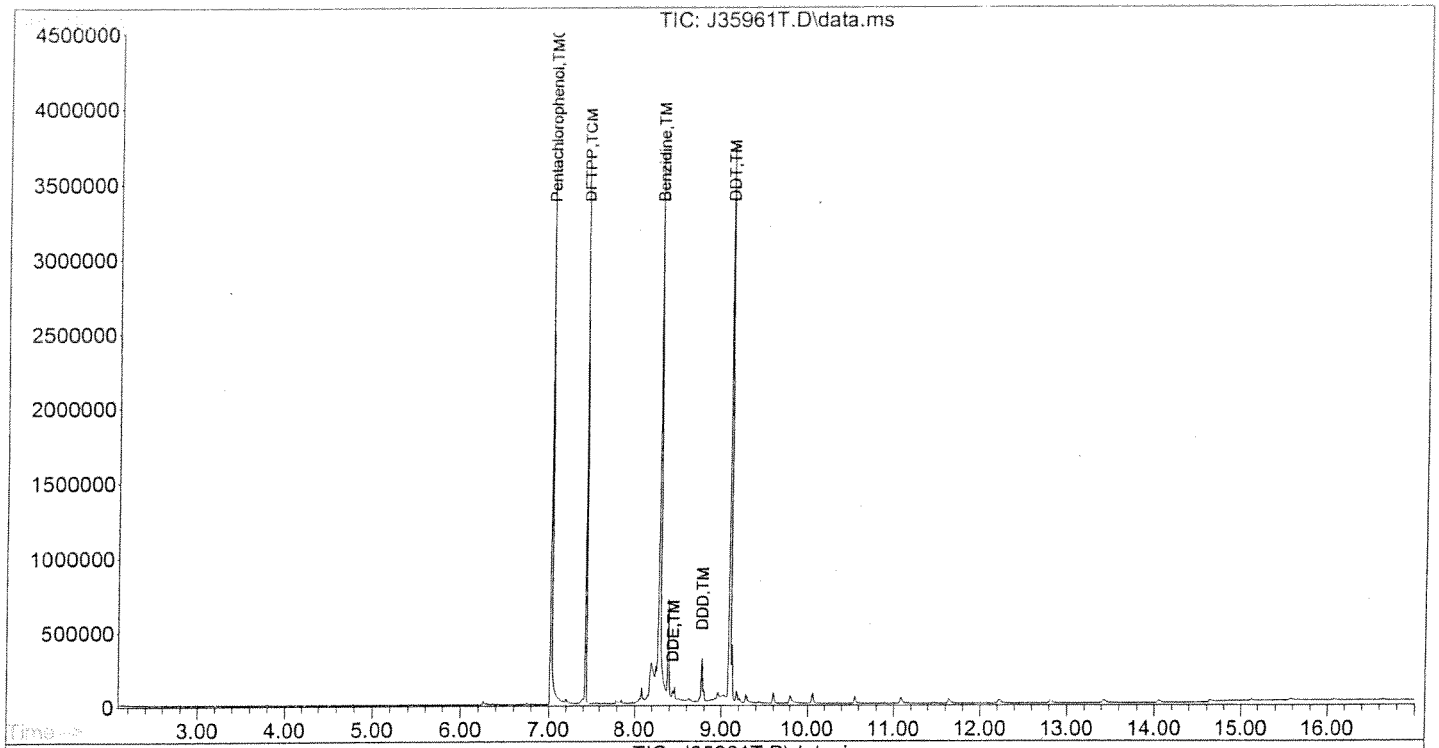
(#) = qualifier out of range (m) = manual integration (+) = signals summed

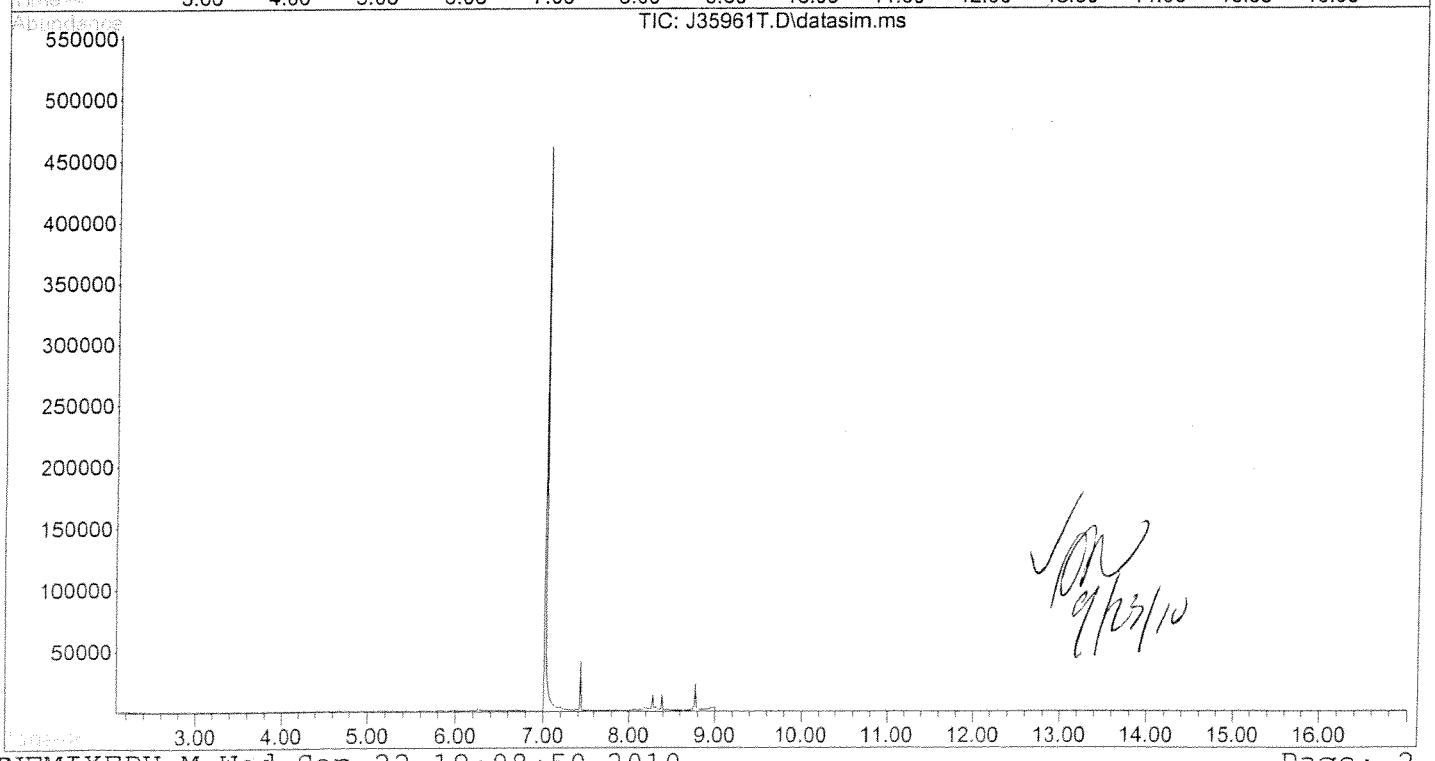
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

J92210

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration



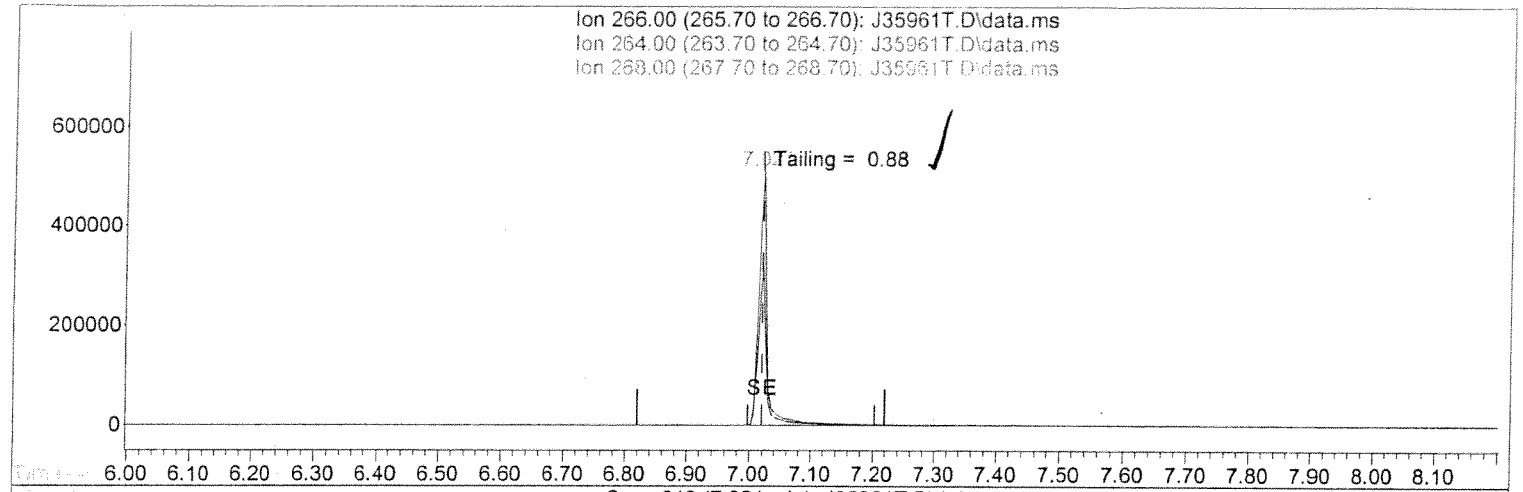


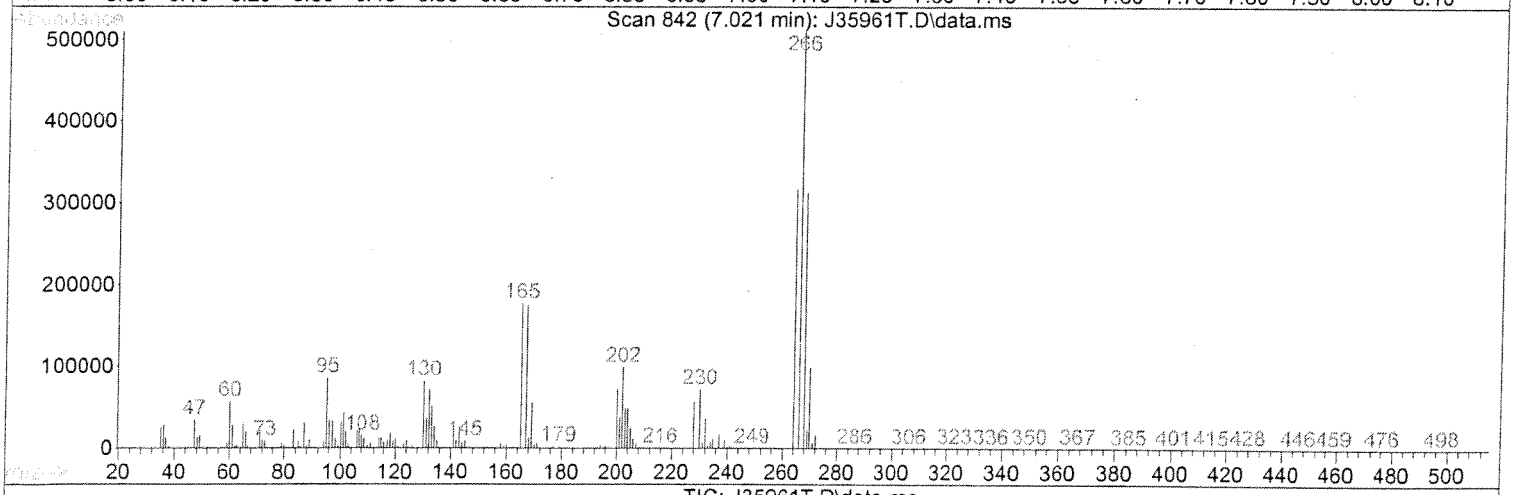
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

342210





TIC: J35961T.D\data.ms

(1) Pentachlorophenol (TMC)

7.021min (+0.001) 33.90ug/ml

response 495669

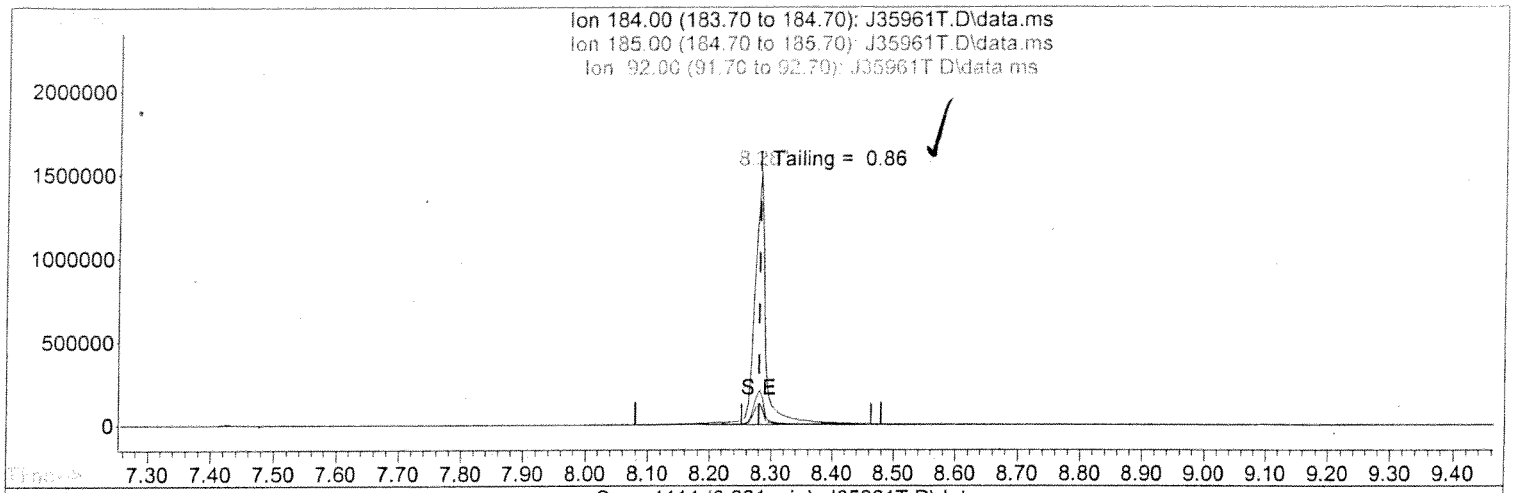
Ion	Exp%	Act%
266.00	100	100
264.00	63.20	62.73
268.00	61.50	60.92
0.00	0.00	0.00

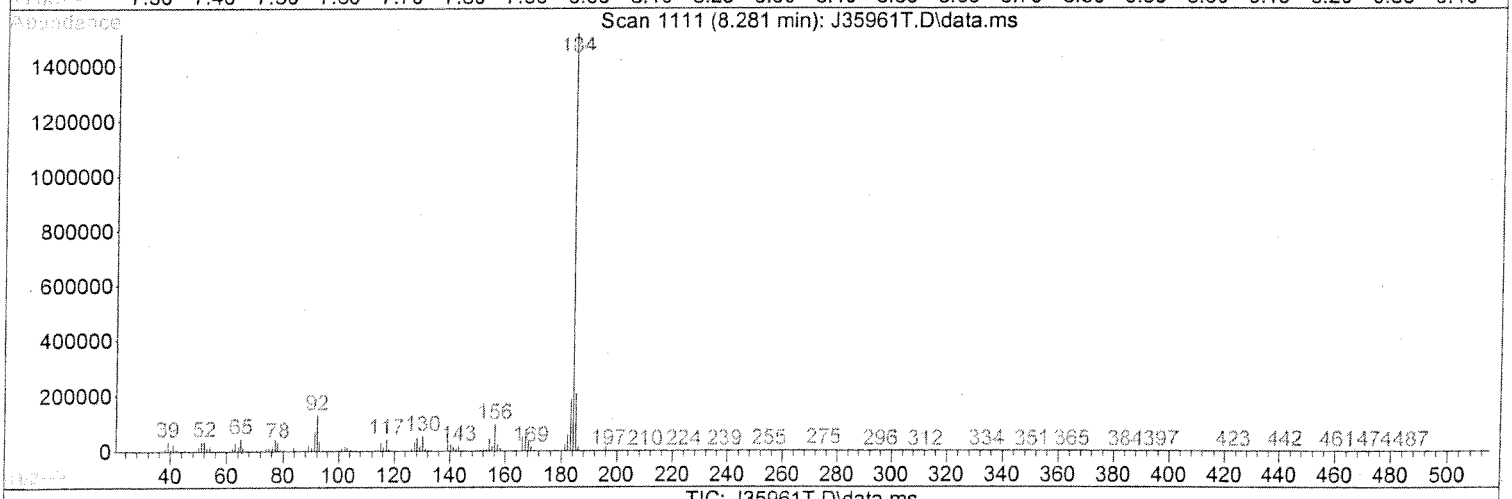
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

9/22/10





TIC: J35961T.D\data.ms

(3) Benzidine (TM)

8.281min (+0.001) 28.97ug/ml

response 1792770

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.35#
92.00	0.00	8.62#
0.00	0.00	0.00

9/23/10

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834
DFTPP File ID: D71801T.D
DFTPP Injection Date: 09/23/10
DFTPP Injection Time: 0:00

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71802SC.D	9/23/10 0:30
HEXANE W/IS	D71803.D	9/23/10 1:00
B092010EASE2,RR2	D71804B.D	9/23/10 1:30
67834-5,DL	D71813.D	9/23/10 6:00
67834-6,DL	D71814.D	9/23/10 6:29
S10042 ALI 40	D71815SC.D	9/23/10 7:29
S10042 ALI 40	D71816SC.D	9/23/10 7:59

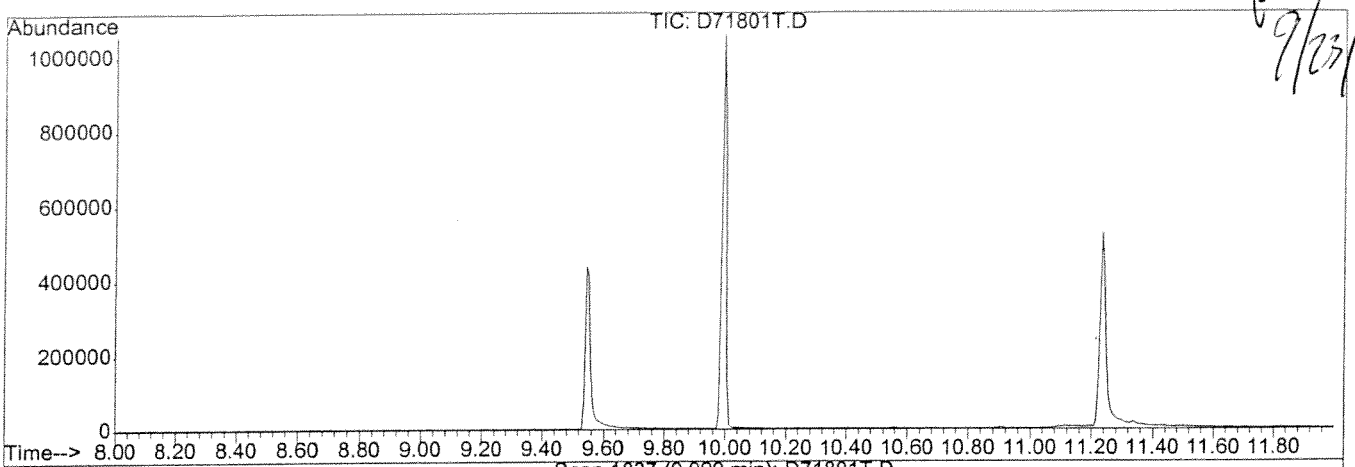
Refer to the DFTPP report D71801T.D for ion ratio evaluation.

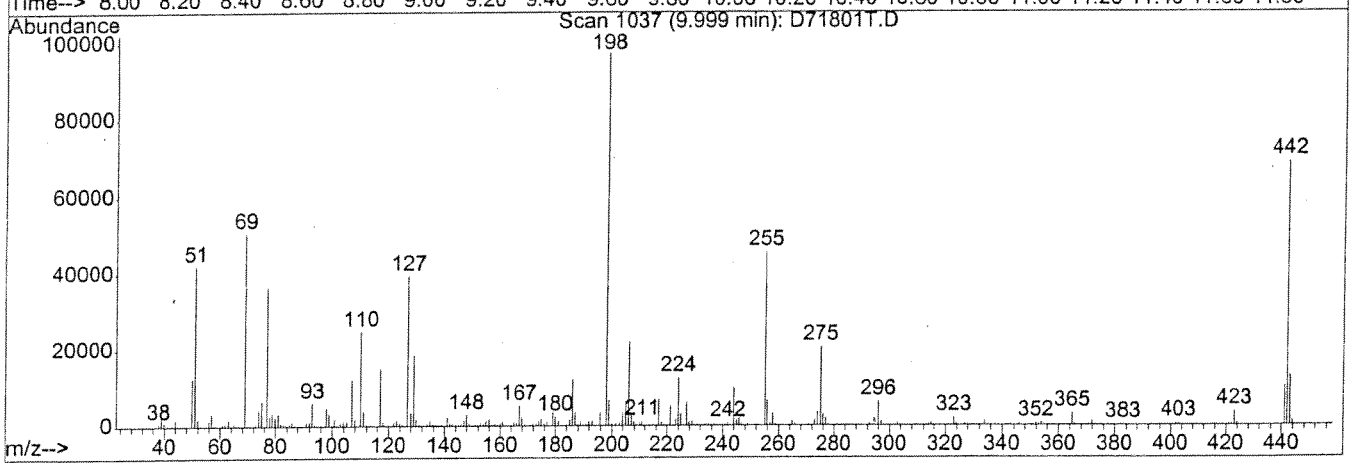
EPH FORM 5

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D
Acq On : 23 Sep 2010 12:00 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

9/23/10





Spectrum Information: Scan 1037

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	43.2	42088	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	52.1	50744	PASS
70	69	0.00	2	0.6	302	PASS
127	198	40	60	40.4	39352	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	97448	PASS
199	198	5	9	6.7	6509	PASS
275	198	10	30	21.1	20584	PASS
365	198	1	100	3.2	3132	PASS
441	443	0.01	100	79.7	10427	PASS
442	198	40	100	70.7	68904	PASS
443	442	17	23	19.0	13078	PASS

JY 23 10

D71801T.D TUNMXEPH.M Thu Sep 23 03:27:34 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71801T.D**
Date Acquired **9/23/2010 12:00**

9/23/10

Name	Target Response
PENTACHLOROPHENOL	52425.00
BENZIDINE	280751.00
DDE	300.00
DDD	1750
DDT	190178

(0% - 20%)

%DDT BREAKDOWN = 1.07% **OK** ✓

342310

9/23/10 3:28 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D
Acq On : 23 Sep 2010 12:00 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

PN 9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.55	266	52425	20.80	UG/L	97
2) DFTPP	9.99	198	110926	36.31	ug/ml	97
3) BENZIDINE	11.23	184	280751	34.99	UG/L #	100
4) DDE	11.50	246	300	3.00	UG/L #	100
5) DDD	12.06	235	1750	17.50	UG/L	93
6) DDT	12.60	235	190178	42.09	UG/L	99

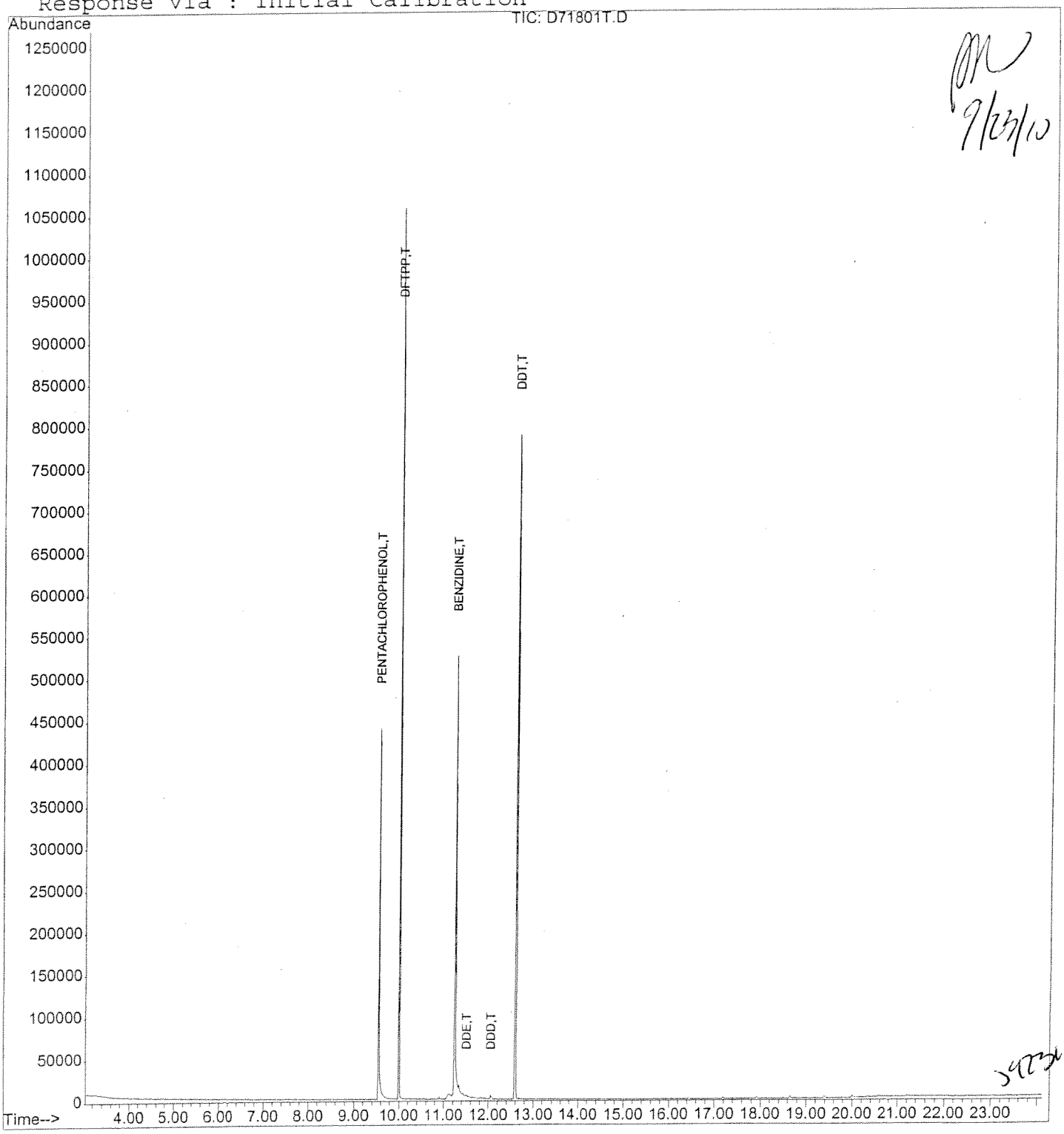
592360

(#) = qualifier out of range (m) = manual integration
D71801T.D TUNMXEPH.M Thu Sep 23 03:28:44 2010 Page 1

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D
Acq On : 23 Sep 2010 12:00 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration



9/23/10

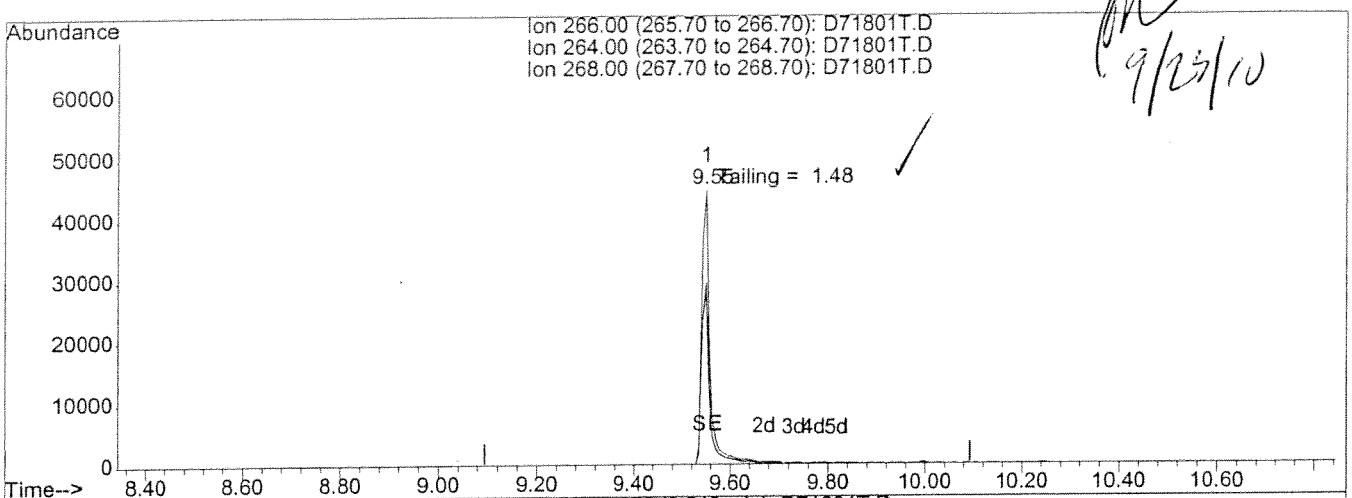
D71801T.D TUNMXEPH.M Thu Sep 23 03:28:44 2010 Page 2

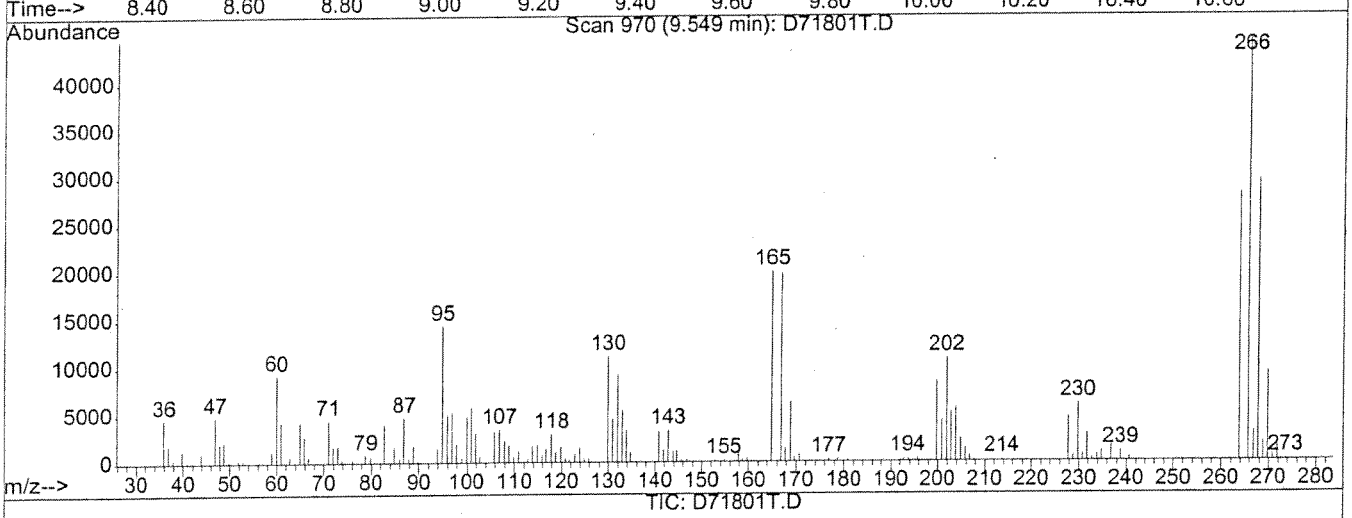
Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D
Acq On : 23 Sep 2010 12:00 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

AR 9/23/10





(1) PENTACHLOROPHENOL (T)

9.55min 20.80UG/L

response 52425

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	61.83
268.00	62.40	65.64
0.00	0.00	0.00

5/23/10

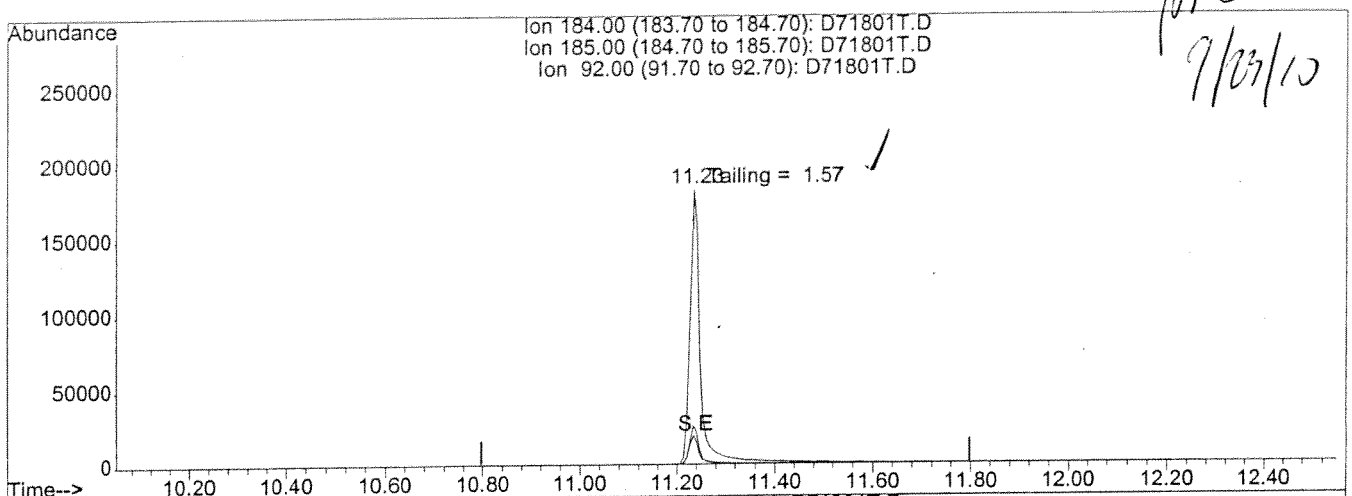
D71801T.D TUNMXEPH.M Thu Sep 23 03:30:35 2010

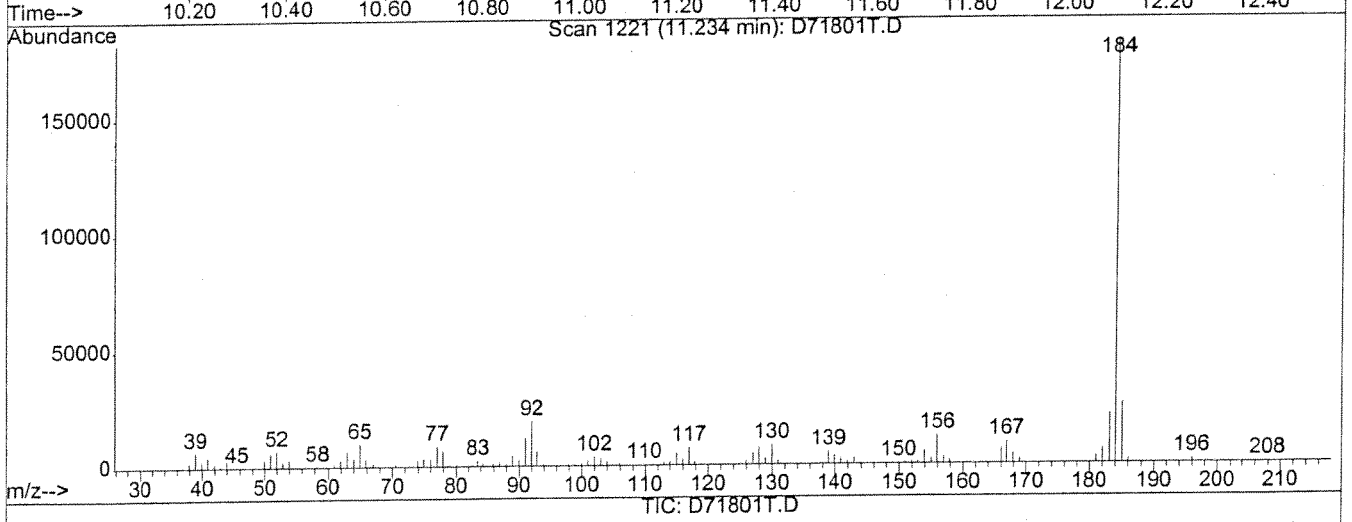
Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D
Acq On : 23 Sep 2010 12:00 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/23/10





TIC: D71801T.D

(3) BENZIDINE (T)

11.23min 34.99UG/L

response 280751

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.34#
92.00	0.00	10.48#
0.00	0.00	0.00

092310

D71801T.D TUNMXEPH.M Thu Sep 23 03:30:42 2010

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010

NM80560

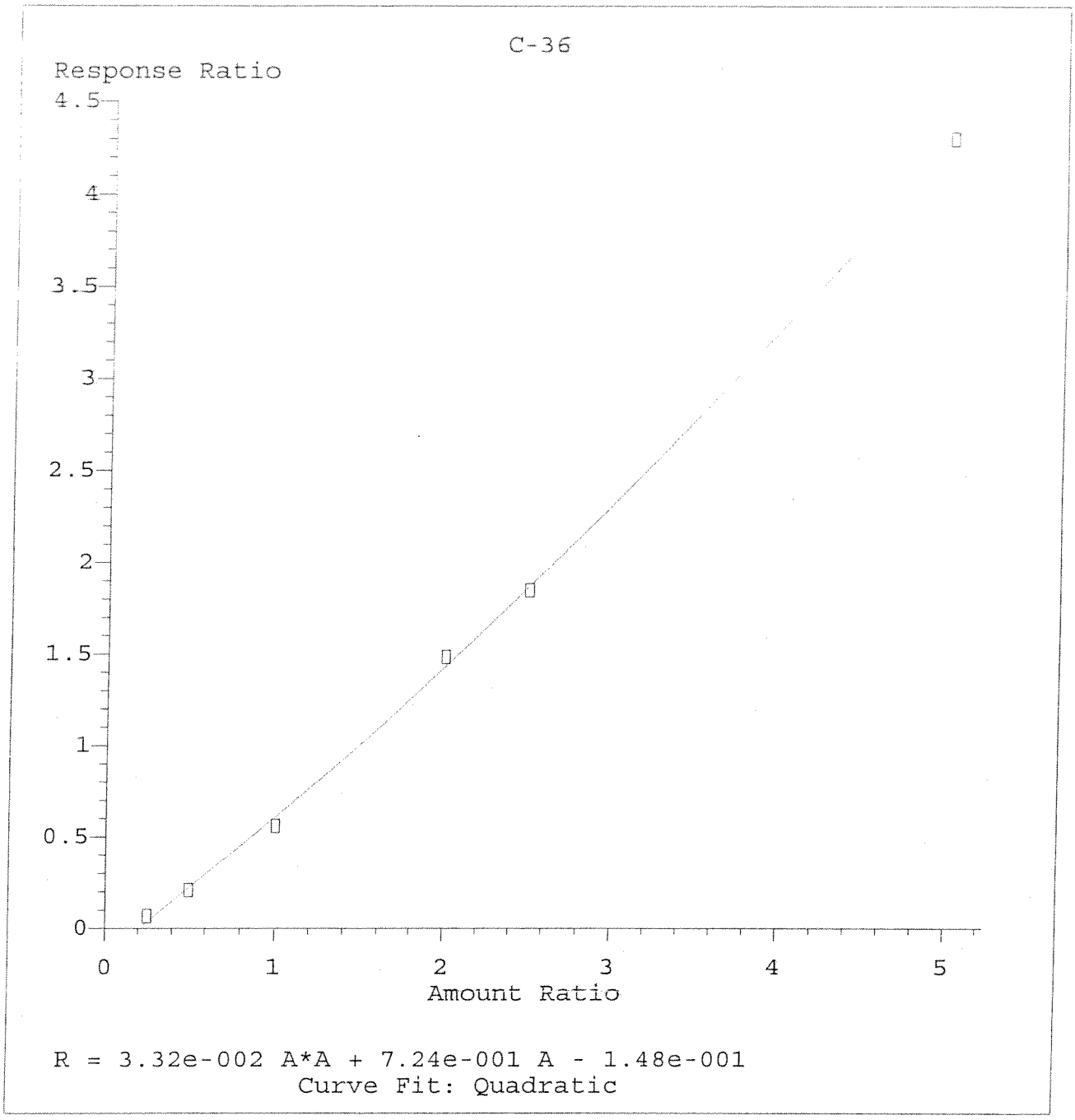
Calibration Files
5 =D71447SI.D 10 =D71448SI.D 20 =D71449SI.D
40 =D71450SI.D 50 =D71451SI.D 100 =D71452SI.D

	Compound	5	10	20	40	50	100	Avg		%R
1)	I 5-alpha-Androstane	ISTD								
2)	TZM C-9	1.183	1.207	1.210	1.297	1.278	1.277	1.242	0	3.
3)	TZM C-10	1.208	1.243	1.232	1.328	1.325	1.283	1.270	0	3.
4)	TZM C-12	1.226	1.320	1.372	1.449	1.422	1.394	1.364	0	5.
5)	TZM C-14	1.287	1.336	1.376	1.498	1.486	1.410	1.399	0	5.
6)	TZM C-16	1.221	1.308	1.370	1.410	1.411	1.381	1.350	0	5.
7)	TZM C-18	1.202	1.290	1.351	1.451	1.435	1.329	1.343	0	6.
8)	XH C9-C18 ✓	1.221	1.284	1.319	1.405	1.393	1.346	1.328	0	5.
9)	TZM C-19	1.201	1.280	1.351	1.418	1.425	1.296	1.329	0	6.
10)	TZM C-20	1.160	1.240	1.286	1.445	1.394	1.287	1.302	0	7.
11)	S 1-Chlorooctadecane	1.087	1.167	1.211	1.310	1.301	1.288	1.227	0	7.
12)	TZM C-22	1.146	1.251	1.294	1.401	1.365	1.282	1.290	0	6.
13)	TZM C-24	0.999	1.219	1.235	1.377	1.347	1.251	1.238	0	10.
14)	TZM C-26	0.897	1.133	1.184	1.311	1.208	1.147	1.147	0	12.
15)	TZM C-28	0.701	0.966	1.045	1.149	1.115	1.062	1.006	0	16.
16)	TZM C-30	0.584	0.821	0.931	1.078	1.043	0.979	0.906	0	20.
[illegible]	TZM C-36	0.268	0.418	0.560	0.742	0.740	0.860	0.598	0	37.
[illegible])	XH C19-C36 ✓	0.869	1.041	1.111	1.240	1.205	1.145	1.102	0	12.

✓ PK 8/5/10

(#) = Out of Range

N10 80510



Method Name: D:\HPCHEM\1\METHODS\ALG80410.M
Calibration Table Last Updated: Thu Aug 05 08:16:42 2010

JDN 8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71447SI.D Vial: 2
Acq On : 5 Aug 2010 2:18 am Operator: AR/NP
Sample : S9700 ALI 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6392677	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	694715	1.771 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	8.85%#
Target Compounds			
2) TZM C-9	4.24	1891193	4.764 ug/ml
3) TZM C-10	5.20	1931056	4.757 ug/ml
4) TZM C-12	6.66	1959344	4.494 ug/ml
5) TZM C-14	7.84	2056697	4.600 ug/ml
6) TZM C-16	8.86	1951643	4.522 ug/ml
7) TZM C-18	9.77	1921309	4.476 ug/ml
8) XH C9-C18	7.58	13597137	32.033 ug/ml
9) TZM C-19	10.20	1920131	4.522 ug/ml
10) TZM C-20	10.65	1853445	4.454 ug/ml
12) TZM C-22	11.68	1831839	4.443 ug/ml
13) TZM C-24	13.01	1596452	4.034 ug/ml
14) TZM C-26	14.50	1432921	3.910 ug/ml
15) TZM C-28	16.04	1119751	3.482 ug/ml
16) TZM C-30	17.55	933127	3.223 ug/ml
17) TZM C-36	21.63	428162	5.856 ug/ml
18) XH C19-C36	12.10	18819045	53.433 ug/ml

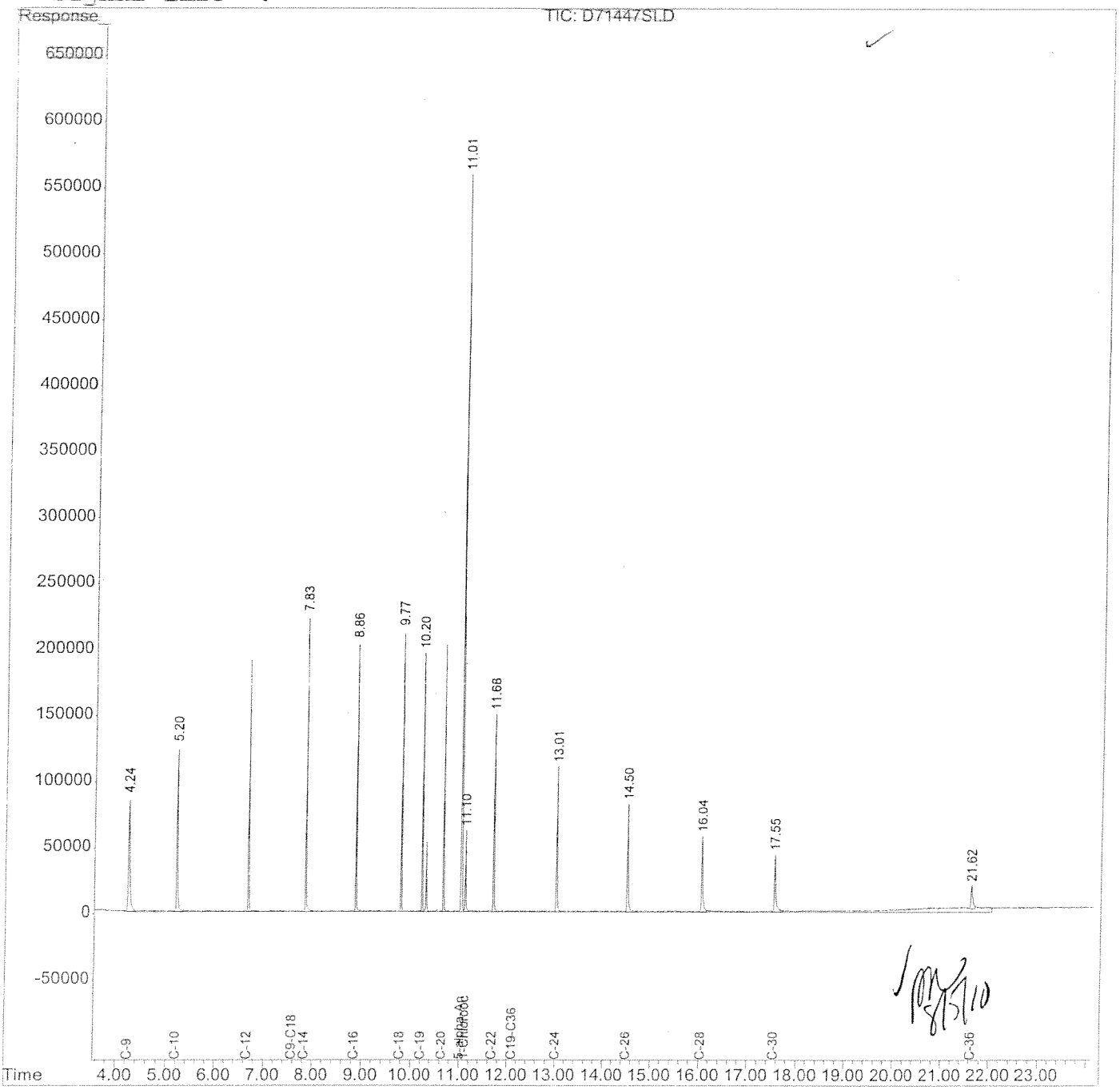
8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71447SI.D Vial: 2
Acq On : 5 Aug 2010 2:18 am Operator: AR/NP
Sample : S9700 ALI 5 Inst : GC/MS In
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Data File : D:\HPCHEM\1\DATA\080410-D\D71448SI.D Vial: 3
Acq On : 5 Aug 2010 2:48 am Operator: AR/NP
Sample : S9701 ALI 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration NP 080410
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6336218	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	1479291	3.804 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	19.02%#
Target Compounds			
2) TZM C-9	4.24	3822700	9.716 ug/ml
3) TZM C-10	5.20	3938623	9.789 ug/ml
4) TZM C-12	6.66	4181325	9.677 ug/ml
5) TZM C-14	7.84	4233963	9.554 ug/ml
6) TZM C-16	8.86	4142955	9.685 ug/ml
7) TZM C-18	9.78	4088278	9.608 ug/ml
8) XH C9-C18	7.58	26462635	62.897 ug/ml
9) TZM C-19	10.20	4053948	9.632 ug/ml
10) TZM C-20	10.65	3929689	9.527 ug/ml
12) TZM C-22	11.68	3962671	9.698 ug/ml
13) TZM C-24	13.01	3863046	9.849 ug/ml
14) TZM C-26	14.50	3588388	9.878 ug/ml
15) TZM C-28	16.04	3060440	9.601 ug/ml
16) TZM C-30	17.55	2600258	9.060 ug/ml
17) TZM C-36	21.63	1322837	9.639 ug/ml
18) XH C19-C36	12.10	35862300	102.732 ug/ml

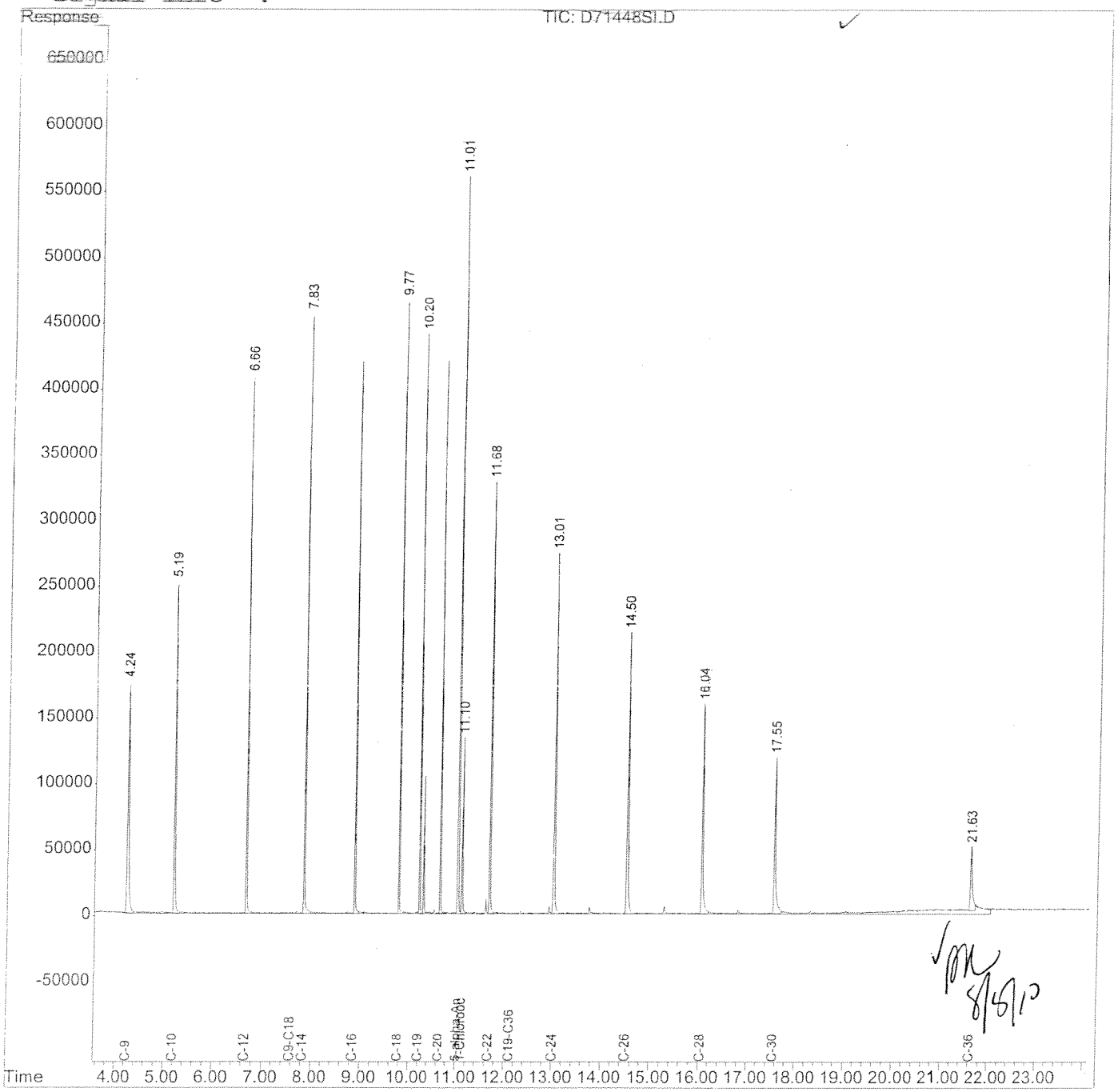
8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71448SI.D Vial: 3
Acq On : 5 Aug 2010 2:48 am Operator: AR/NP
Sample : S9701 ALI 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration ALG80410
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71449SI.D Vial: 4
Acq On : 5 Aug 2010 3:19 am Operator: AR/NP
Sample : S9702 ALI 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

No 80410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7097682	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	3438982	7.895 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	39.48%#
Target Compounds			
2) TZM C-9	4.24	8588165	19.486 ug/ml
3) TZM C-10	5.20	8746659	19.406 ug/ml
4) TZM C-12	6.66	9739787	20.122 ug/ml
5) TZM C-14	7.84	9764383	19.669 ug/ml
6) TZM C-16	8.86	9726068	20.297 ug/ml
7) TZM C-18	9.77	9590287	20.121 ug/ml
8) XH C9-C18	7.58	59053936	125.303 ug/ml
9) TZM C-19	10.20	9591604	20.344 ug/ml
10) TZM C-20	10.65	9128743	19.757 ug/ml
12) TZM C-22	11.68	9185337	20.067 ug/ml
13) TZM C-24	13.01	8763475	19.947 ug/ml
14) TZM C-26	14.50	8407095	20.660 ug/ml
15) TZM C-28	16.04	7415225	20.766 ug/ml
16) TZM C-30	17.55	6607521	20.553 ug/ml
17) TZM C-36	21.63	3975883	18.754 ug/ml
18) XH C19-C36	12.10	74373245	190.194 ug/ml

8/5/10

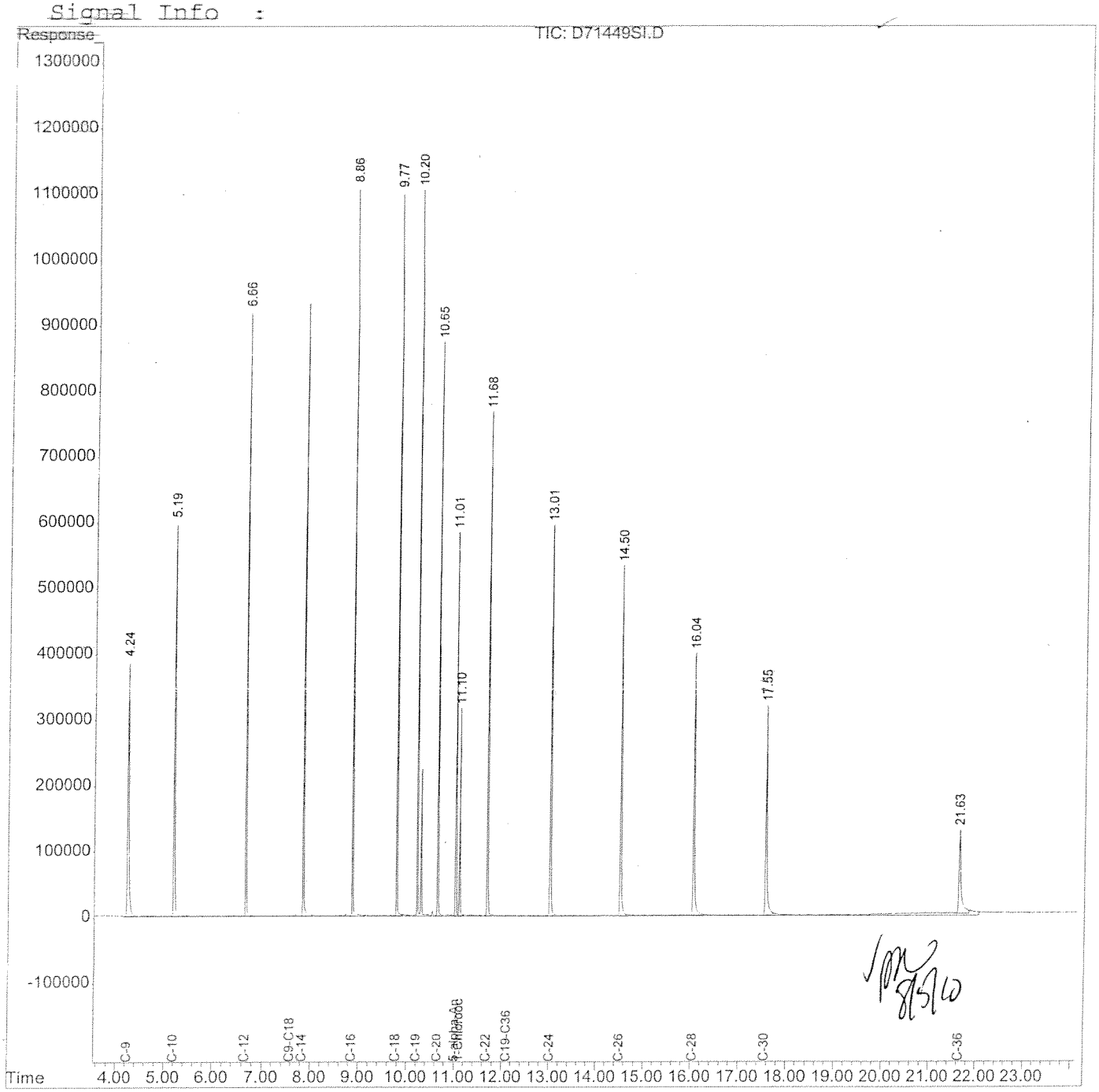
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71449SI.D Vial: 4
Acq On : 5 Aug 2010 3:19 am Operator: AR/NP
Sample : S9702 ALI 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

AR080410

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D Vial: 5
Acq On : 5 Aug 2010 3:49 am Operator: AR/NP
Sample : S9936 ALI 40 Inst : GC/MS In:
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

N080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6995121	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	7331733	17.080 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.40%
Target Compounds			
2) TZM C-9	4.24	18142546	41.768 ug/ml
3) TZM C-10	5.20	18581737	41.832 ug/ml
4) TZM C-12	6.66	20277452	42.507 ug/ml
5) TZM C-14	7.84	20955405	42.832 ug/ml
6) TZM C-16	8.86	19724958	41.766 ug/ml
7) TZM C-18	9.78	20294947	43.204 ug/ml
8) XH C9-C18	7.58	121466705	261.512 ug/ml
9) TZM C-19	10.21	19831232	42.680 ug/ml
10) TZM C-20	10.65	20212359	44.386 ug/ml
12) TZM C-22	11.68	19594057	43.434 ug/ml
13) TZM C-24	13.02	19266627	44.496 ug/ml
14) TZM C-26	14.51	18335389	45.718 ug/ml
15) TZM C-28	16.05	16077236	45.684 ug/ml
16) TZM C-30	17.56	15083647	47.606 ug/ml
17) TZM C-36	21.64	10386932	41.215 ug/ml
18) XH C19-C36	12.10	154317013	400.420 ug/ml

8/5/10

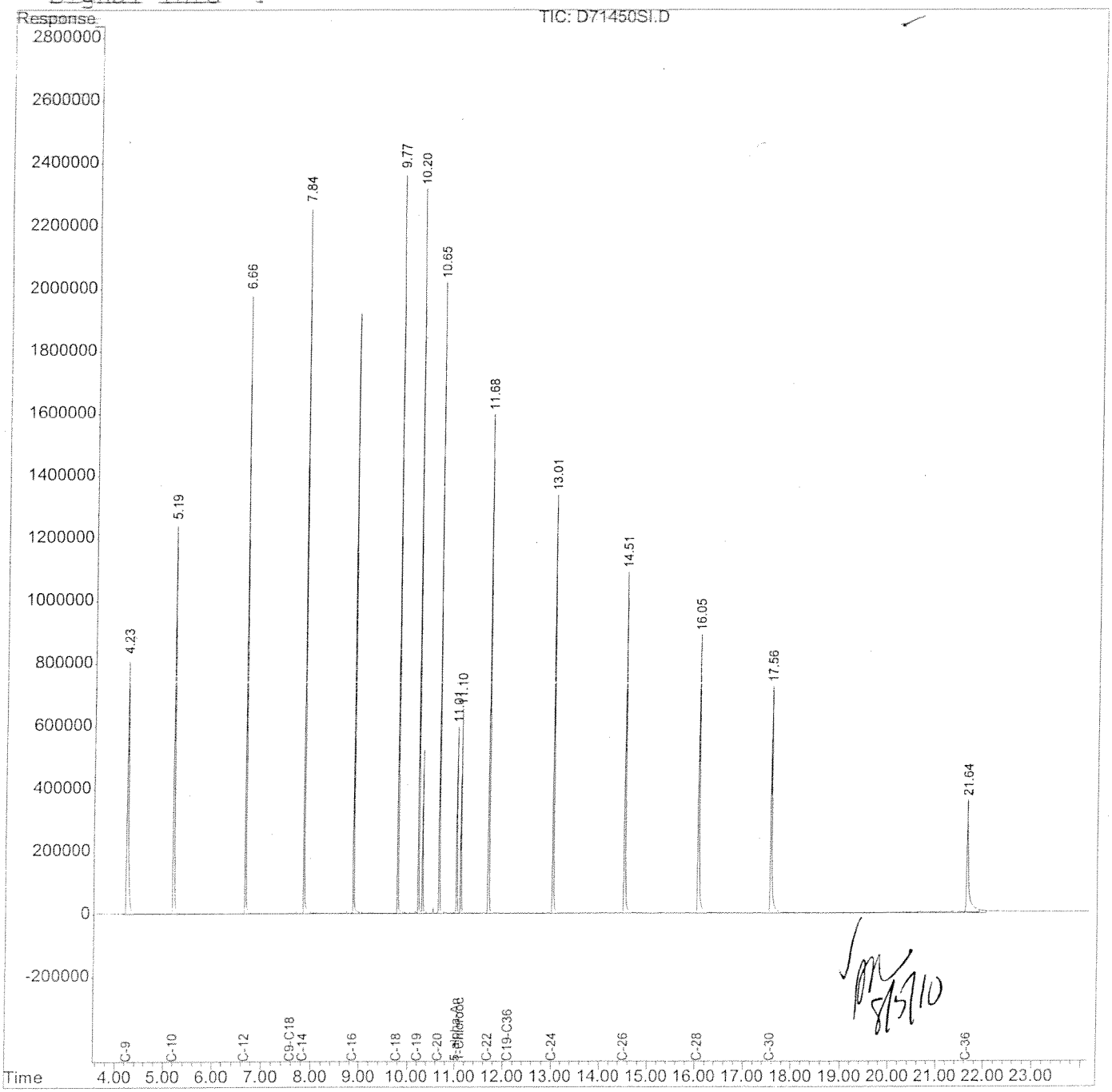
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D Vial: 5
Acq On : 5 Aug 2010 3:49 am Operator: AR/NP
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NP 8/4/10

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71451SI.D Vial: 6
Acq On : 5 Aug 2010 4:20 am Operator: AR/NP
Sample : S9704 ALI 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Vpo80410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6719901	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.11	8740750	21.196 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	105.98%
Target Compounds			
2) TZM C-9	4.23	21471611	51.457 ug/ml
3) TZM C-10	5.20	22257625	52.159 ug/ml
4) TZM C-12	6.66	23885748	52.122 ug/ml
5) TZM C-14	7.84	24969534	53.126 ug/ml
6) TZM C-16	8.86	23711711	52.264 ug/ml
7) TZM C-18	9.78	24100785	53.407 ug/ml
8) XH C9-C18	7.58	143898899	322.496 ug/ml
9) TZM C-19	10.21	23935439	53.622 ug/ml
10) TZM C-20	10.65	23417674	53.531 ug/ml
12) TZM C-22	11.69	22935371	52.923 ug/ml
13) TZM C-24	13.02	22630520	54.406 ug/ml
14) TZM C-26	14.51	20297682	52.684 ug/ml
15) TZM C-28	16.05	18730549	55.403 ug/ml
16) TZM C-30	17.56	17517785	57.553 ug/ml
17) TZM C-36	21.64	12428650	49.555 ug/ml
18) XH C19-C36	12.10	179826756	485.724 ug/ml

JM 8/5/10

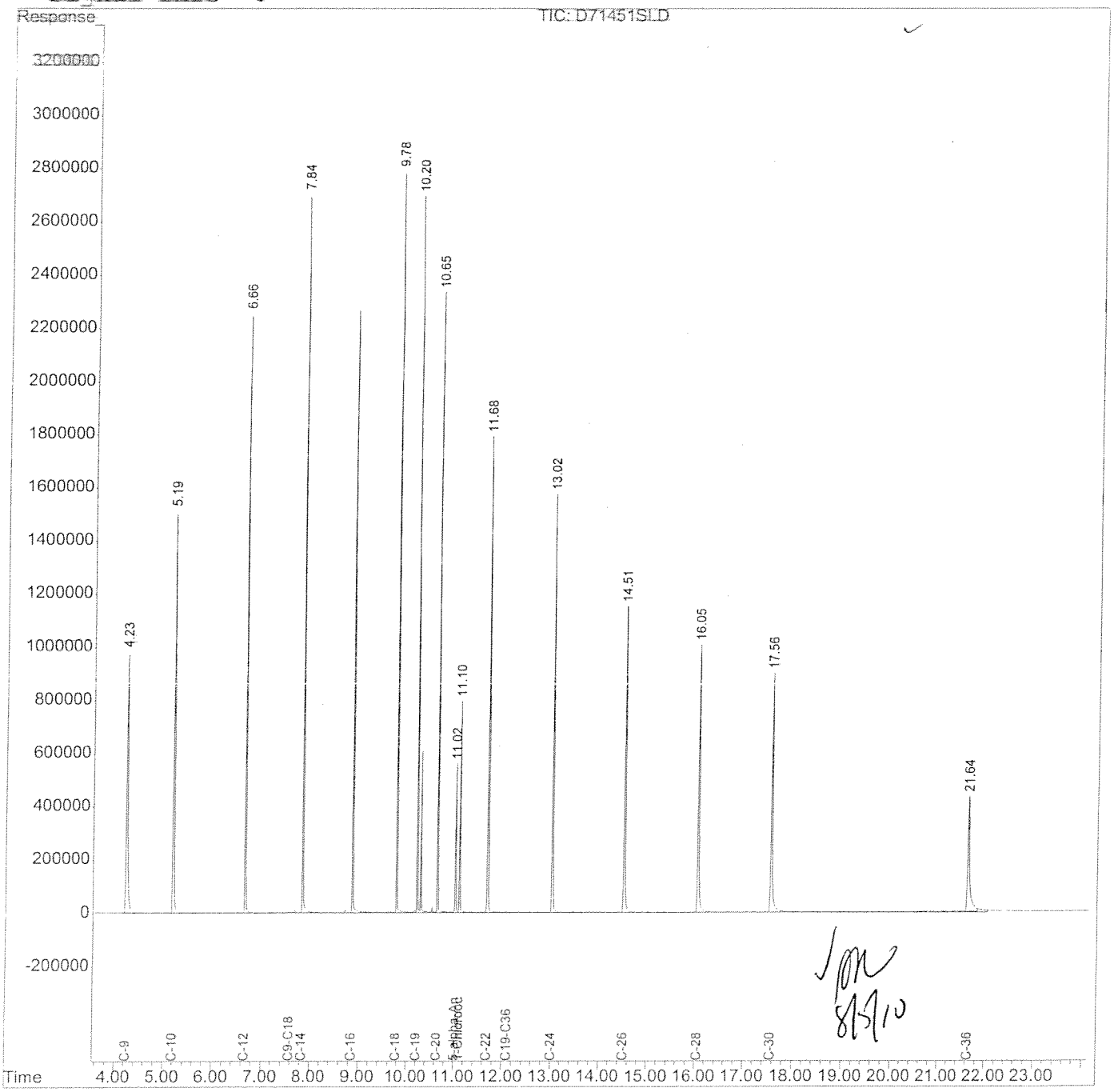
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71451SI.D Vial: 6
Acq On : 5 Aug 2010 4:20 am Operator: AR/NP
Sample : S9704 ALI 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NTC80410

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71452SI.D Vial: 7
Acq On : 5 Aug 2010 4:50 am Operator: AR/NP
Sample : S9705 ALI 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6944560	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.11	17886066	41.970 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	209.85%#
Target Compounds			
2) TZM C-9	4.24	44324733	102.789 ug/ml
3) TZM C-10	5.20	44561099	101.047 ug/ml
4) TZM C-12	6.67	48409664	102.219 ug/ml
5) TZM C-14	7.84	48952535	100.784 ug/ml
6) TZM C-16	8.87	47958211	102.288 ug/ml
7) TZM C-18	9.78	46158283	98.978 ug/ml
8) XH C9-C18	7.58	285737875	619.660 ug/ml
9) TZM C-19	10.21	45011659	97.577 ug/ml
10) TZM C-20	10.66	44684225	98.841 ug/ml
12) TZM C-22	11.69	44512571	99.390 ug/ml
13) TZM C-24	13.03	43429087	101.030 ug/ml
14) TZM C-26	14.52	39840863	100.065 ug/ml
15) TZM C-28	16.06	36863838	105.513 ug/ml
16) TZM C-30	17.57	33990751	108.060 ug/ml
17) TZM C-36	21.66	29861269	99.974 ug/ml
18) XH C19-C36	12.10	345902377	904.079 ug/ml

8/5/10

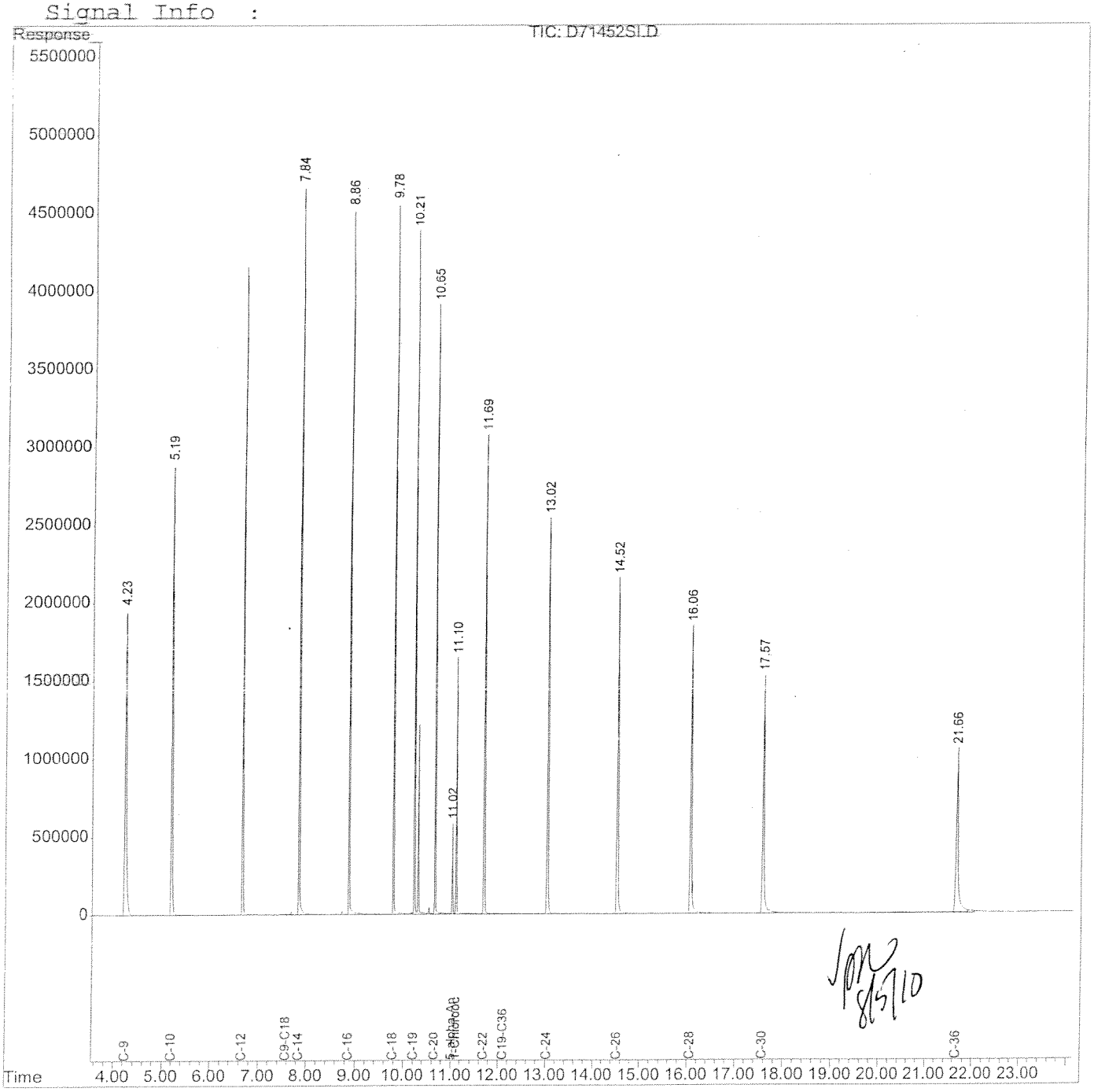
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71452SI.D Vial: 7
Acq On : 5 Aug 2010 4:50 am Operator: AR/NP
Sample : S9705 ALI 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NP 8/4/10

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

GC ALIPHATIC
2ND SOURCE CHECK

Data File Name D71453.D
Sample Name S9715-ALI 20 ICV
Date Acquired 8/5/2010 5:21

N080410

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
C-9	20.65	20	103%	OK	20.65		
C-10	21.26	20	106%	OK	21.26		
C-12	22.50	20	113%	OK	22.50		
C-14	21.19	20	106%	OK	21.19		
C-16	21.45	20	107%	OK	21.45		
C-18	20.57	20	103%	OK	20.57		
C9-C18		120			**127.62**	106%	OK
C-19	20.54	20	103%	OK	20.54		
C-20	21.18	20	106%	OK	21.18		
C-22	21.05	20	105%	OK	21.05		
C-24	20.76	20	104%	OK	20.76		
C-26	20.40	20	102%	OK	20.40		
C-28	21.22	20	106%	OK	21.22		
C-30	20.68	20	103%	OK	20.68		
C-36	18.98	20	95%	OK	18.98		
C19-C36		160			**164.81**	103%	OK
1-Chlorooctadecane	19.20	20	96%	OK			

JM 8/5/10

8/5/10 8:18 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ALGICVSUMPRCT.CRT

Data File : D:\HPCHEM\1\DATA\080410-D\D71453.D Vial: 8
Acq On : 5 Aug 2010 5:21 am Operator: AR/NP
Sample : S9715 ALI 20 ICV Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6985246	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	8231904	19.204 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	96.02%
Target Compounds			
2) TZM C-9	4.22	8955604	20.647 ug/ml
3) TZM C-10	5.19	9430103	21.259 ug/ml
4) TZM C-12	6.66	10720219	22.504 ug/ml
5) TZM C-14	7.84	10353883	21.193 ug/ml
6) TZM C-16	8.86	10118153	21.455 ug/ml
7) TZM C-18	9.77	9647389	20.566 ug/ml
8) XH C9-C18	7.58	64711701	139.518 ug/ml
9) TZM C-19	10.20	9531821	20.543 ug/ml
10) TZM C-20	10.65	9632283	21.182 ug/ml
12) TZM C-22	11.68	9484344	21.054 ug/ml
13) TZM C-24	13.01	8975020	20.757 ug/ml
14) TZM C-26	14.51	8171275	20.404 ug/ml
15) TZM C-28	16.05	7456659	21.218 ug/ml
16) TZM C-30	17.55	6541762	20.676 ug/ml
17) TZM C-36	21.64	3973572	18.975 ug/ml
18) XH C19-C36	12.10	80336204	208.750 ug/ml

8/5/10

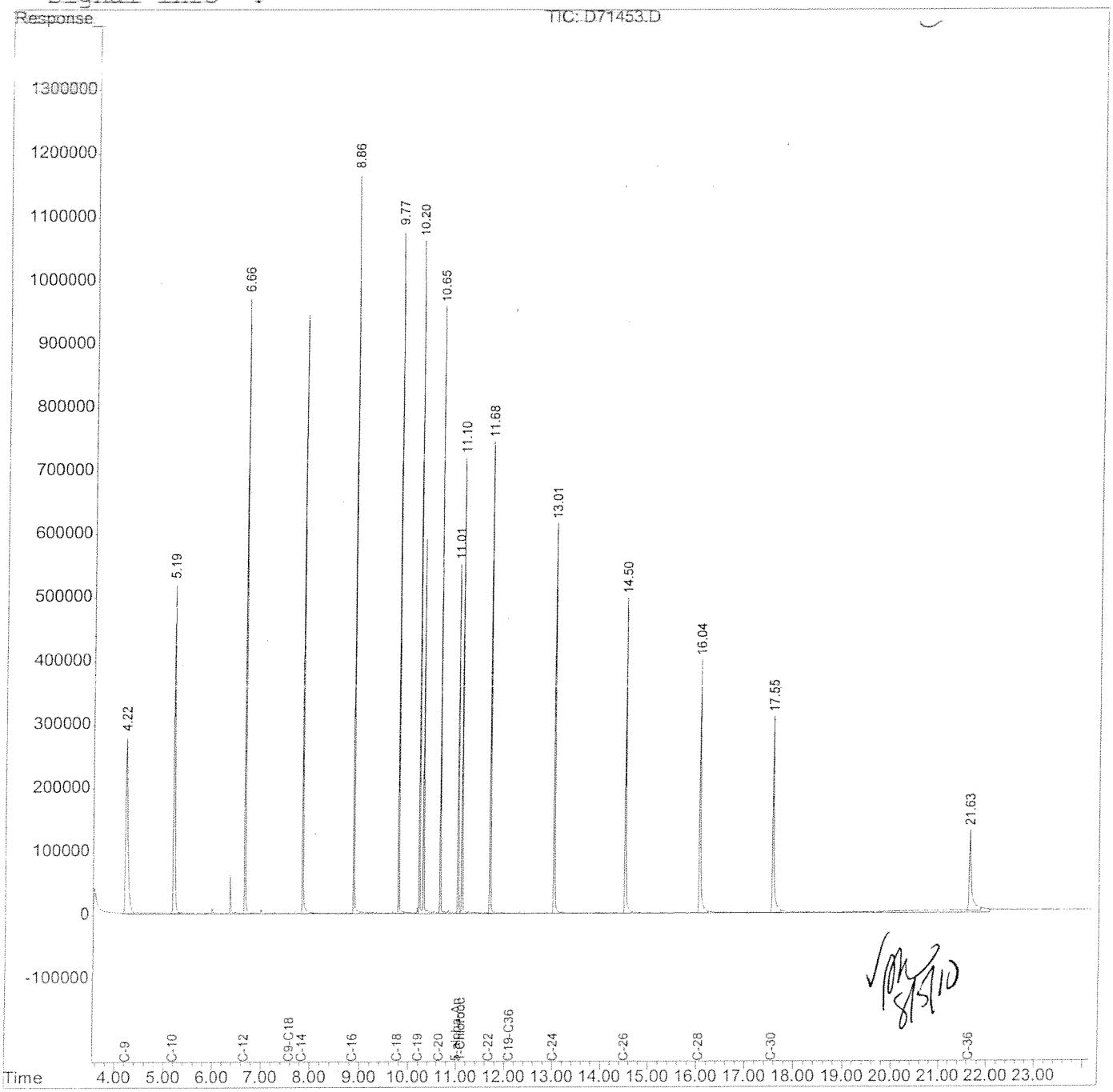
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71453.D Vial: 8
Acq On : 5 Aug 2010 5:21 am Operator: AR/NP
Sample : S9715 ALI 20 ICV Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

N080410

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Method Path : C:\msdchem\1\METHODS\
Method File : ARM092110.M
Title : EPH MS AROMATICS
Last Update : Wed Sep 22 03:42:32 2010
Response Via : Initial Calibration

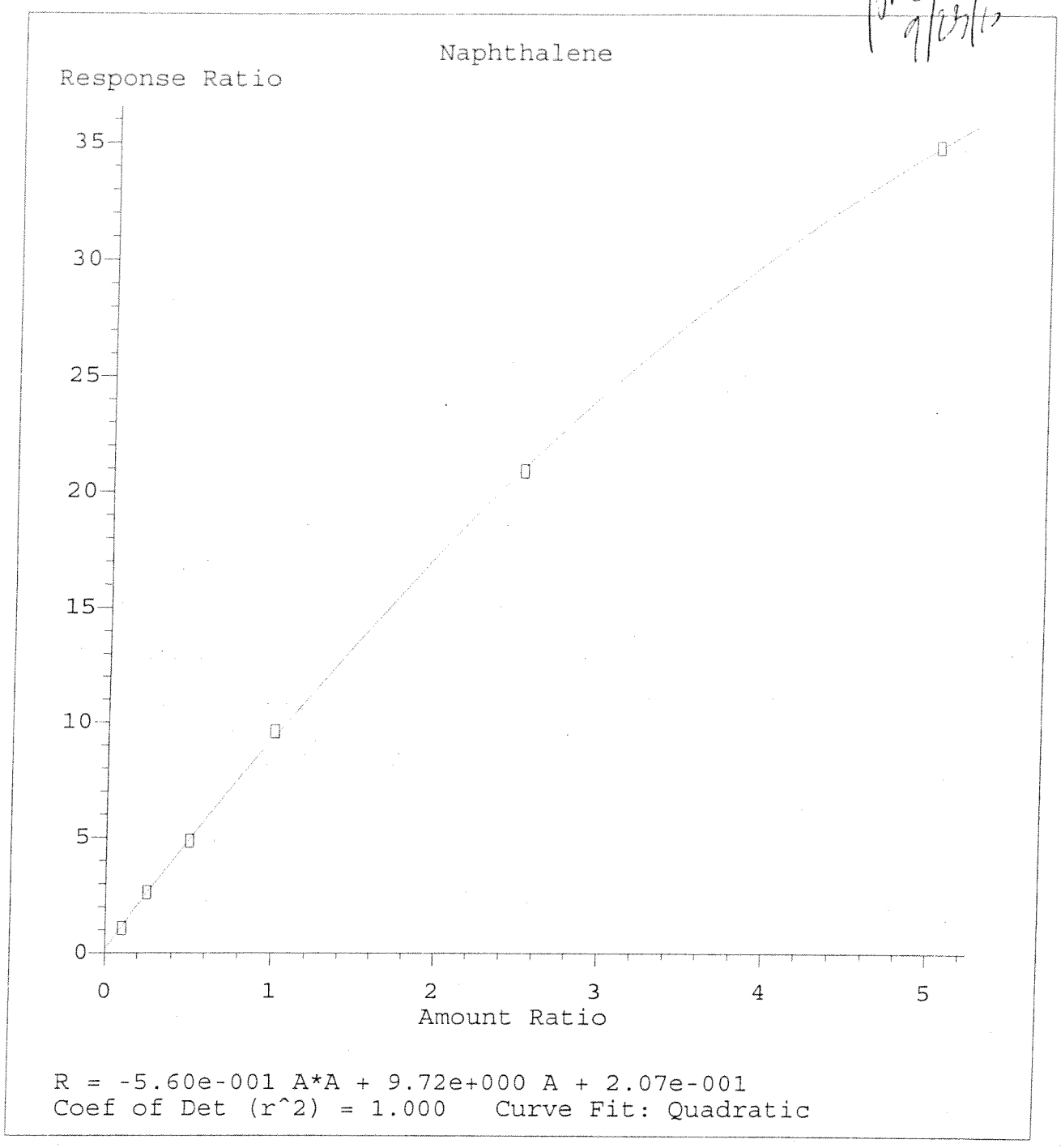
9/22/10

Calibration Files
2 =J35922SI.D 5 =J35923SI.D 10 =J35924SI.D 20 =J35925SI.D
50 =J35926SI.D 100 =J35927SI.D

		Compound	2	5	10	20	50	100	Avg		%RSD
1)	I	5-alpha-Androstane	ISTD								
2)	TM	Naphthalene	1.078	1.052	0.973	0.960	0.835	0.697	0.932	E1	15.38
3)	TM	2-Methylnaphth...	6.259	5.925	5.422	5.362	4.575	3.830	5.229		17.08
4)	TM	Acenaphthylene	1.150	1.143	1.057	1.036	0.897	0.757	1.007	E1	15.19
5)	TM	Acenaphthene	6.505	6.218	5.722	5.603	4.829	3.988	5.477		16.97
6)	TM	Fluorene	8.263	7.856	7.458	7.263	6.141	5.208	7.031		16.28
7)	TM	Phenanthrene	1.156	1.163	1.086	1.045	0.891	0.742	1.014	E1	16.34
8)	TM	Anthracene	1.213	1.166	1.087	1.043	0.879	0.737	1.021	E1	17.71
9)	S	2-Fluorobiphenyl	8.587	8.314	7.842	7.733	6.949	5.967	7.565		12.74
10)	S	2-Bromonaphtha...	3.897	3.801	3.556	3.480	3.220	2.807	3.460		11.57
11)	S	o-terphenyl	6.812	6.639	6.306	6.054	5.591	4.946	6.058		11.49
12)	TM	Fluoranthene	1.350	1.270	1.226	1.164	0.957	0.833	1.133	E1	17.47
13)	TM	Pyrene	1.399	1.320	1.266	1.203	1.017	0.878	1.180	E1	16.66
14)	TM	Benzo[a]anthra...	1.065	1.043	1.003	0.968	0.865	0.793	0.956	E1	11.13
15)	TM	Chrysene	1.090	1.044	0.988	0.934	0.828	0.726	0.935	E1	14.65
16)	TM	Benzo[b] fluor...	8.919	8.719	8.495	8.623	7.987	7.653	8.399		5.73
17)	TM	Benzo[k] fluor...	9.731	9.088	8.920	8.240	7.343	6.574	8.316		14.18
18)	TM	Benzo[a] pyrene	8.722	8.531	8.291	8.163	7.362	6.972	8.007		8.61
19)	TM	Indeno [1,2,3-...	6.646	6.585	6.314	6.456	6.362	6.218	6.430		2.55
20)	TM	Dibenz [a,h] a...	6.509	5.989	6.262	6.305	6.286	5.567	6.153		5.39
21)	TM	Benzo(g,h,i) ...	7.605	7.496	7.111	6.965	6.752	5.797	6.954		9.37
22)		c11-c22							0.000#		-1.00

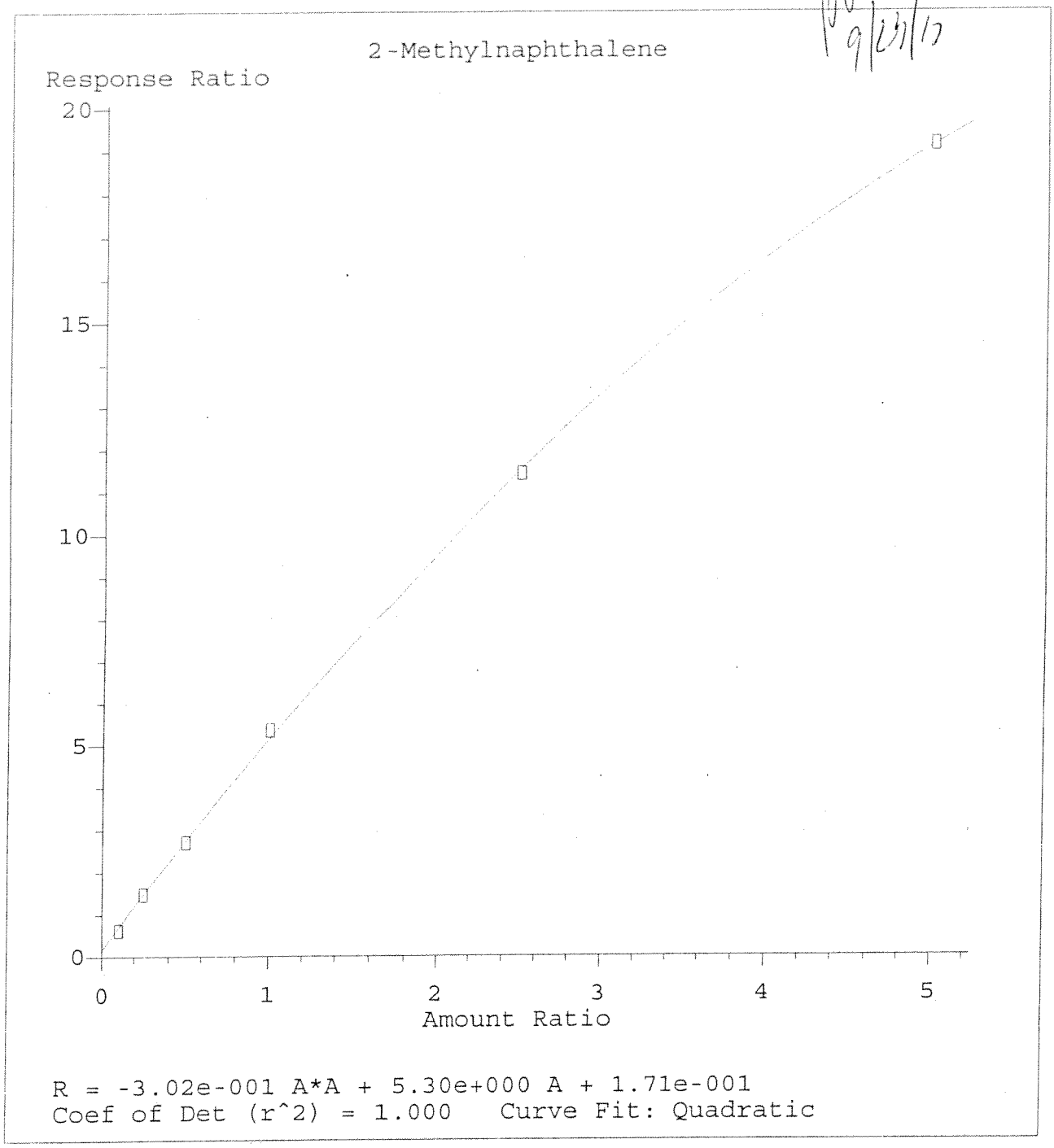
(#) = Out of Range

J92210



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:26 2010

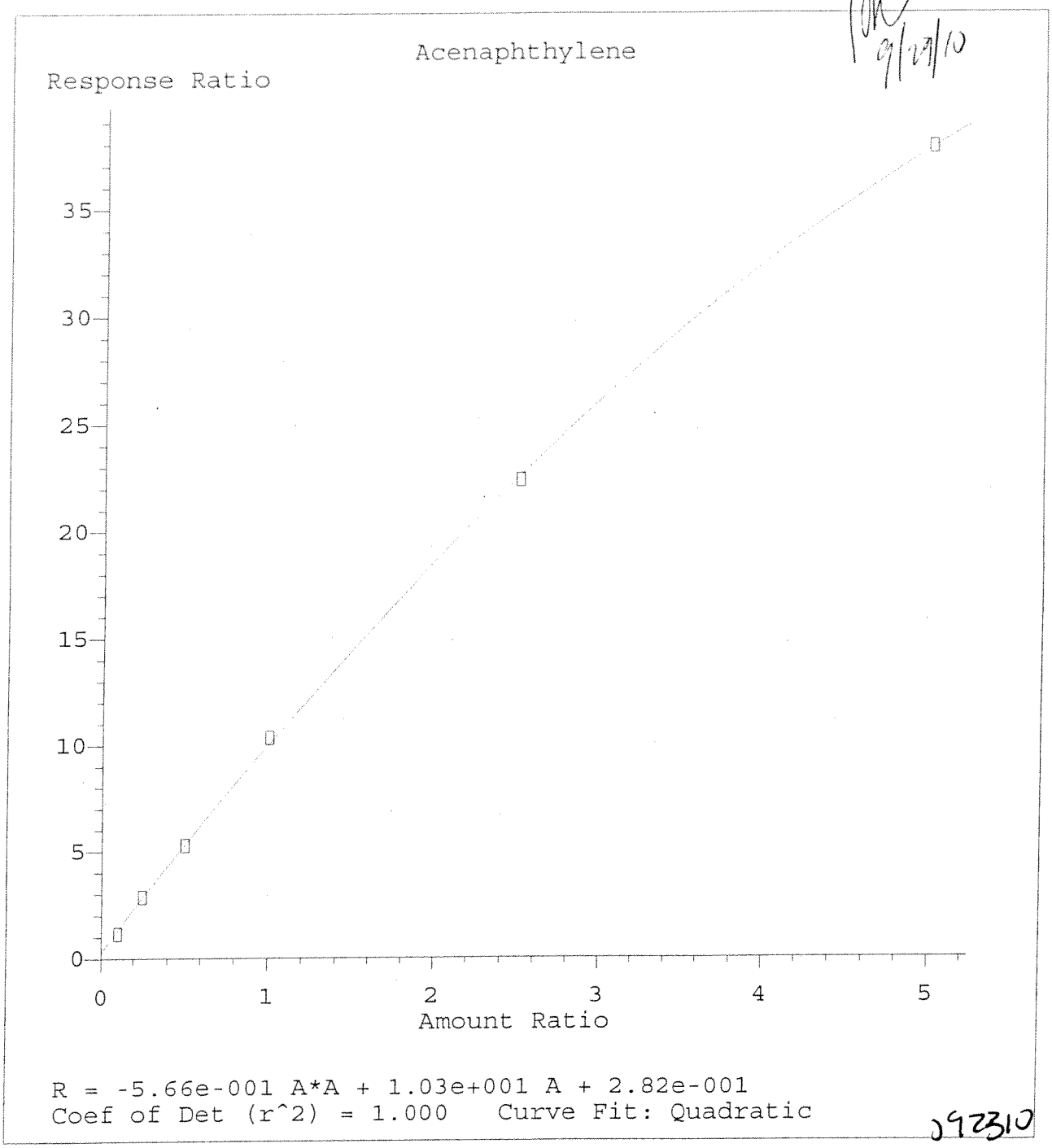
9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:45 2010

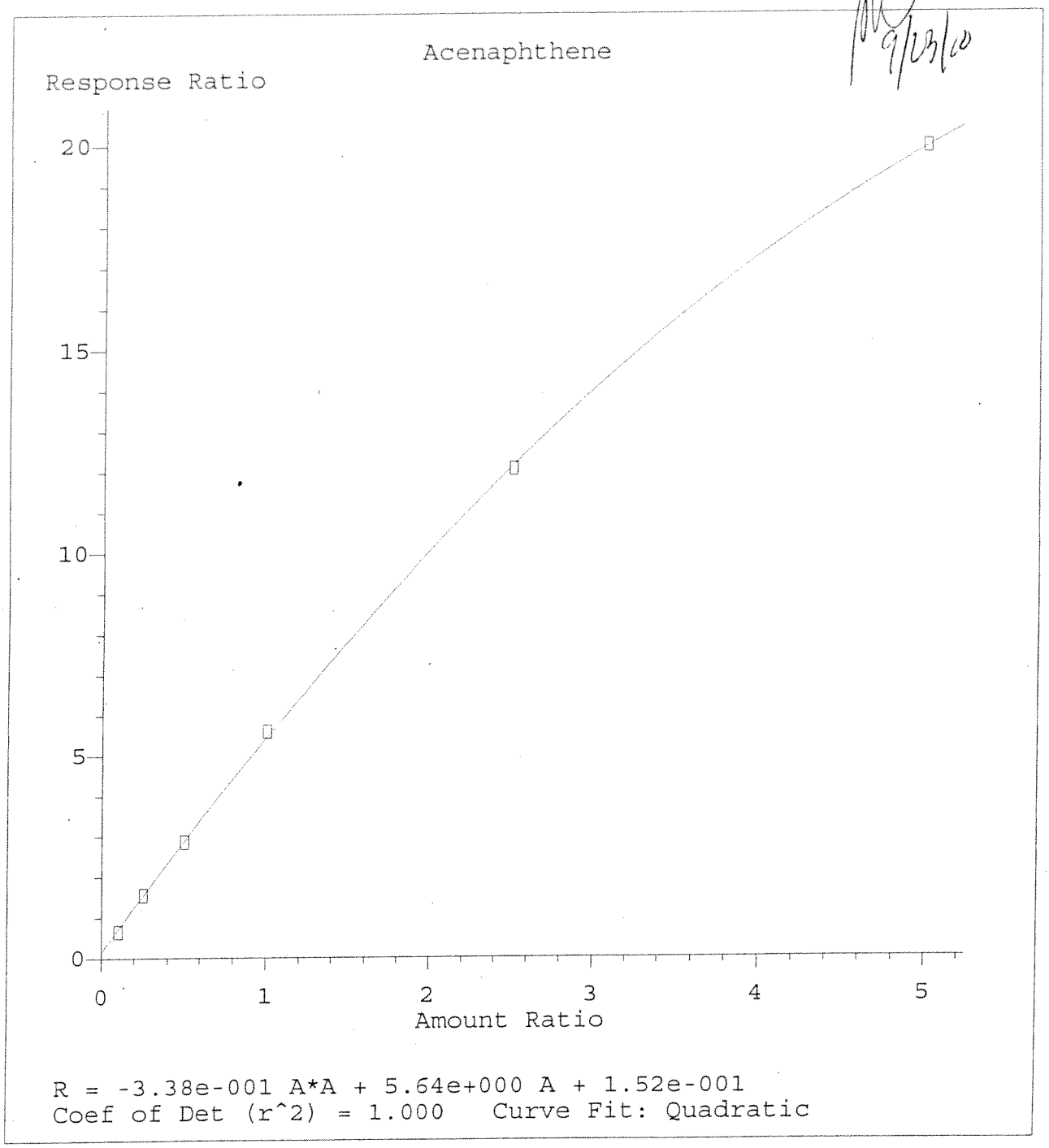
J9231J

9/29/10



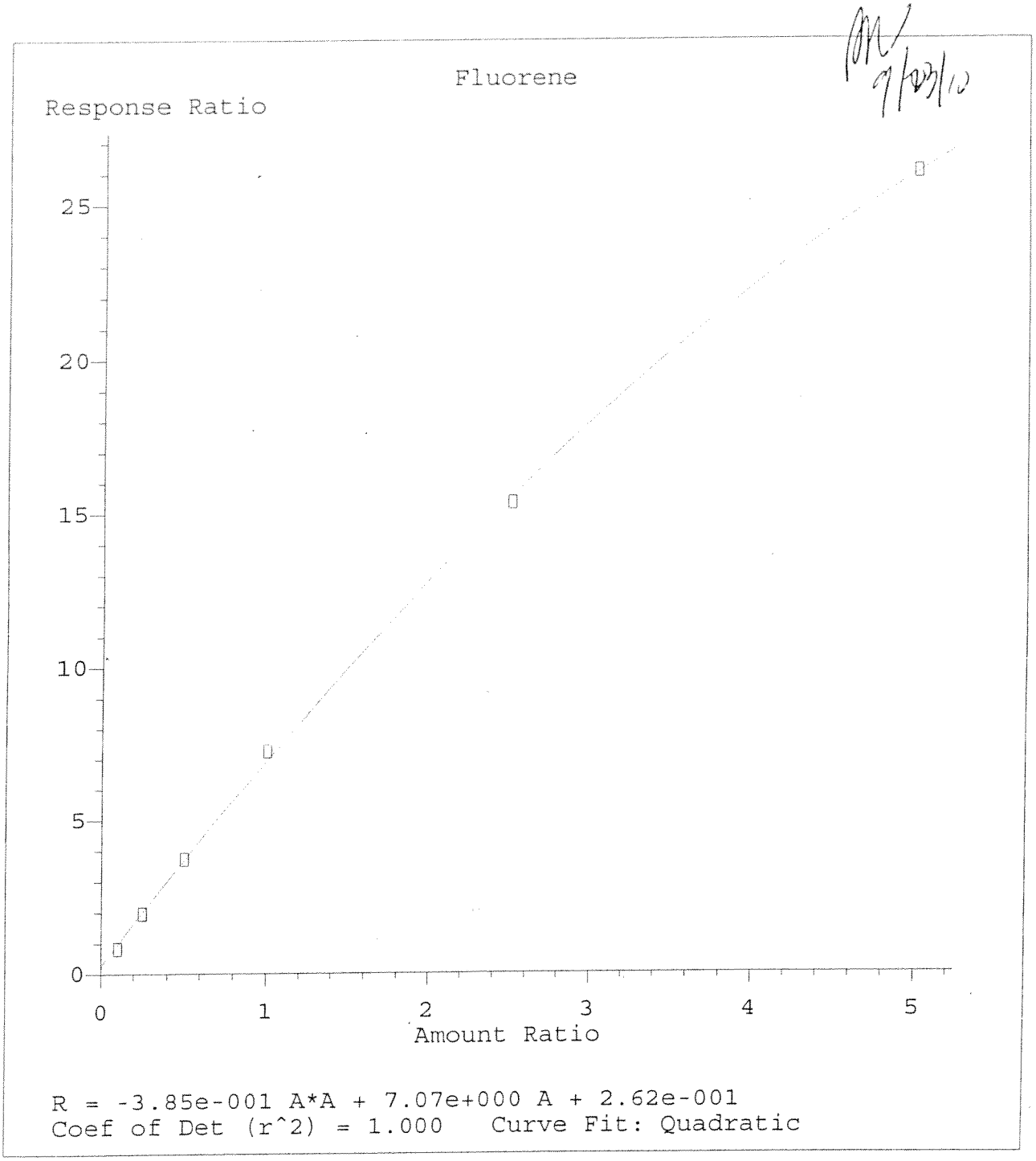
Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:51 2010

9/23/10



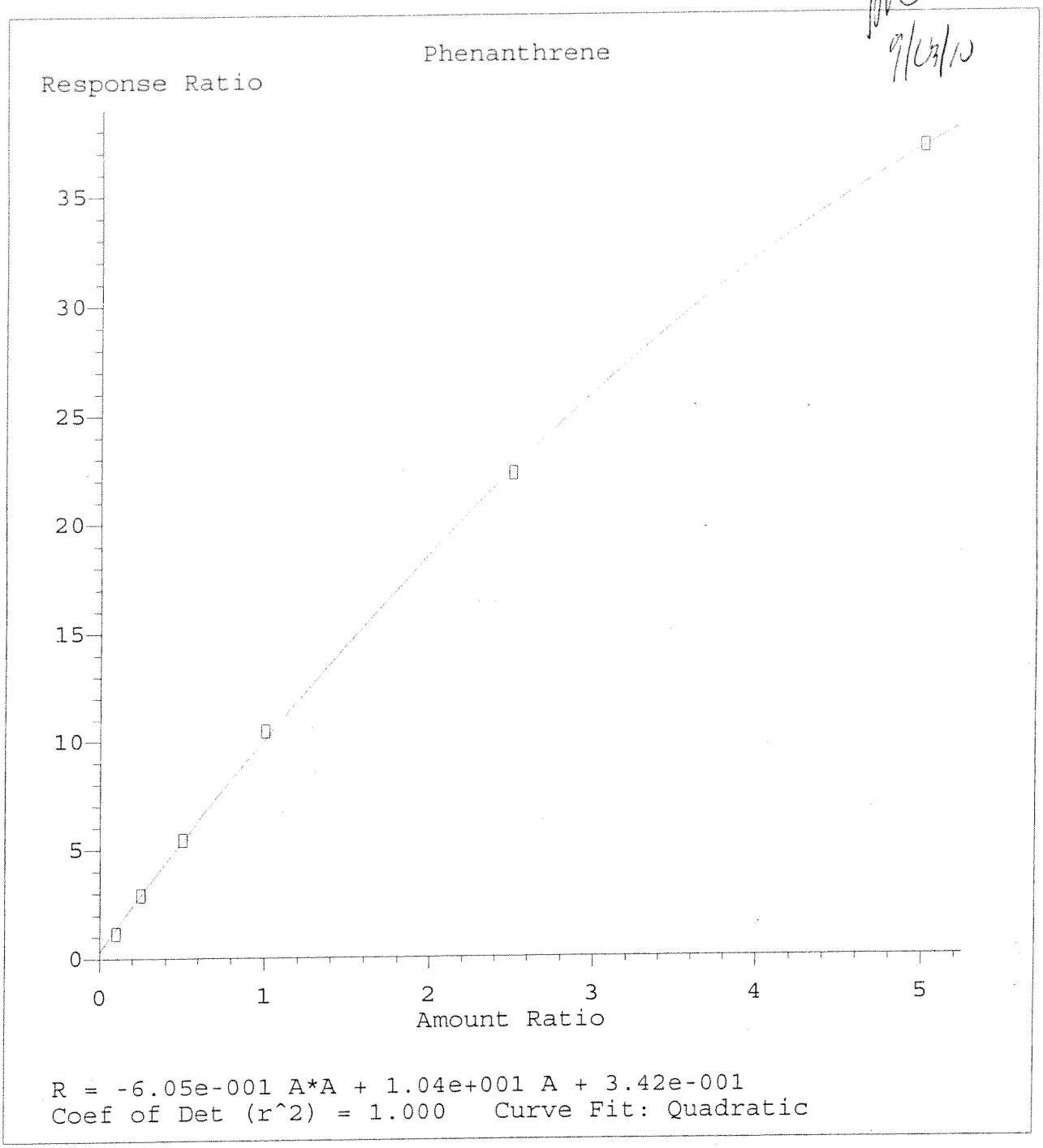
Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:57 2010

J9-231U



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:02 2010

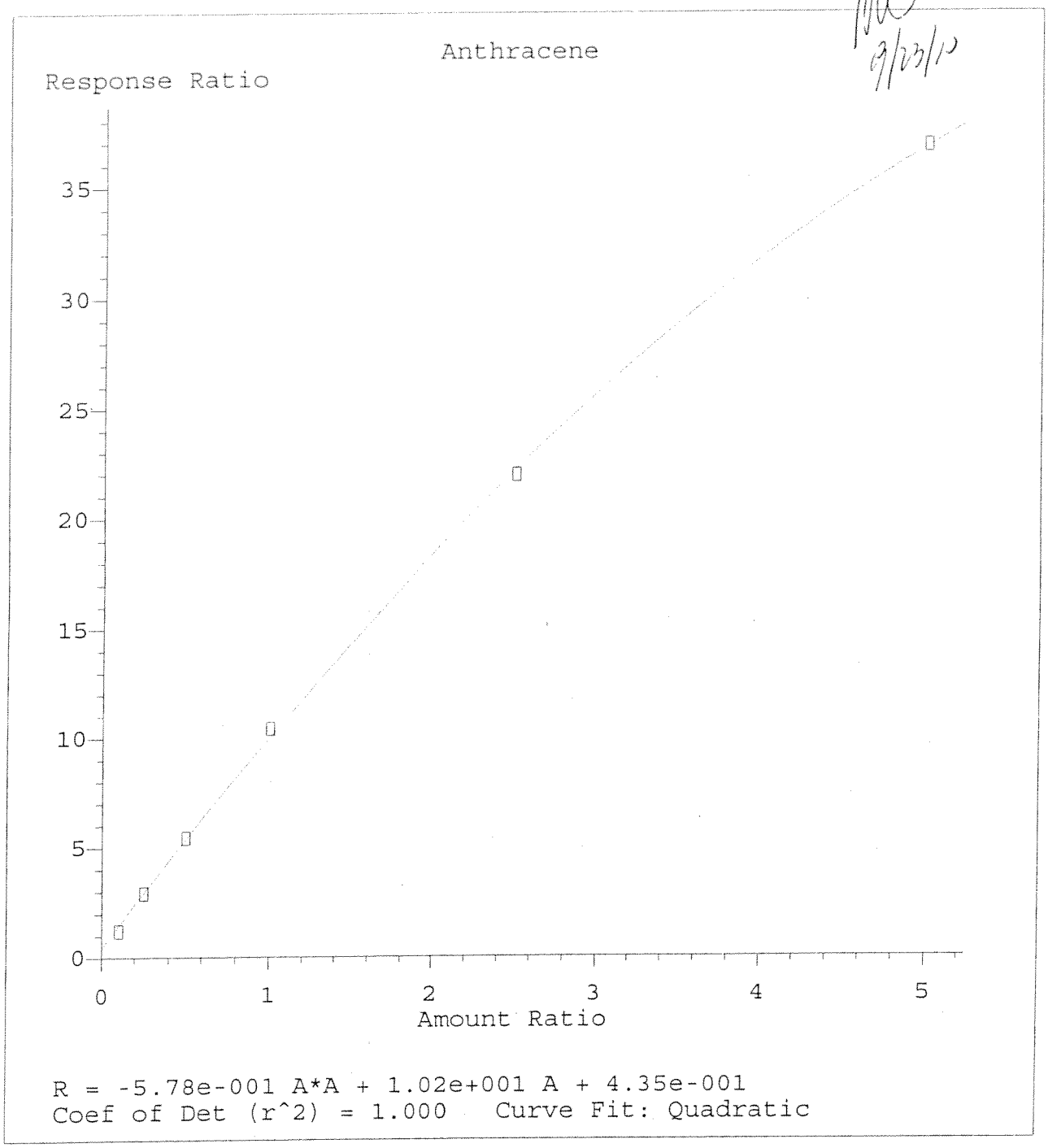
9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:07 2010

092310

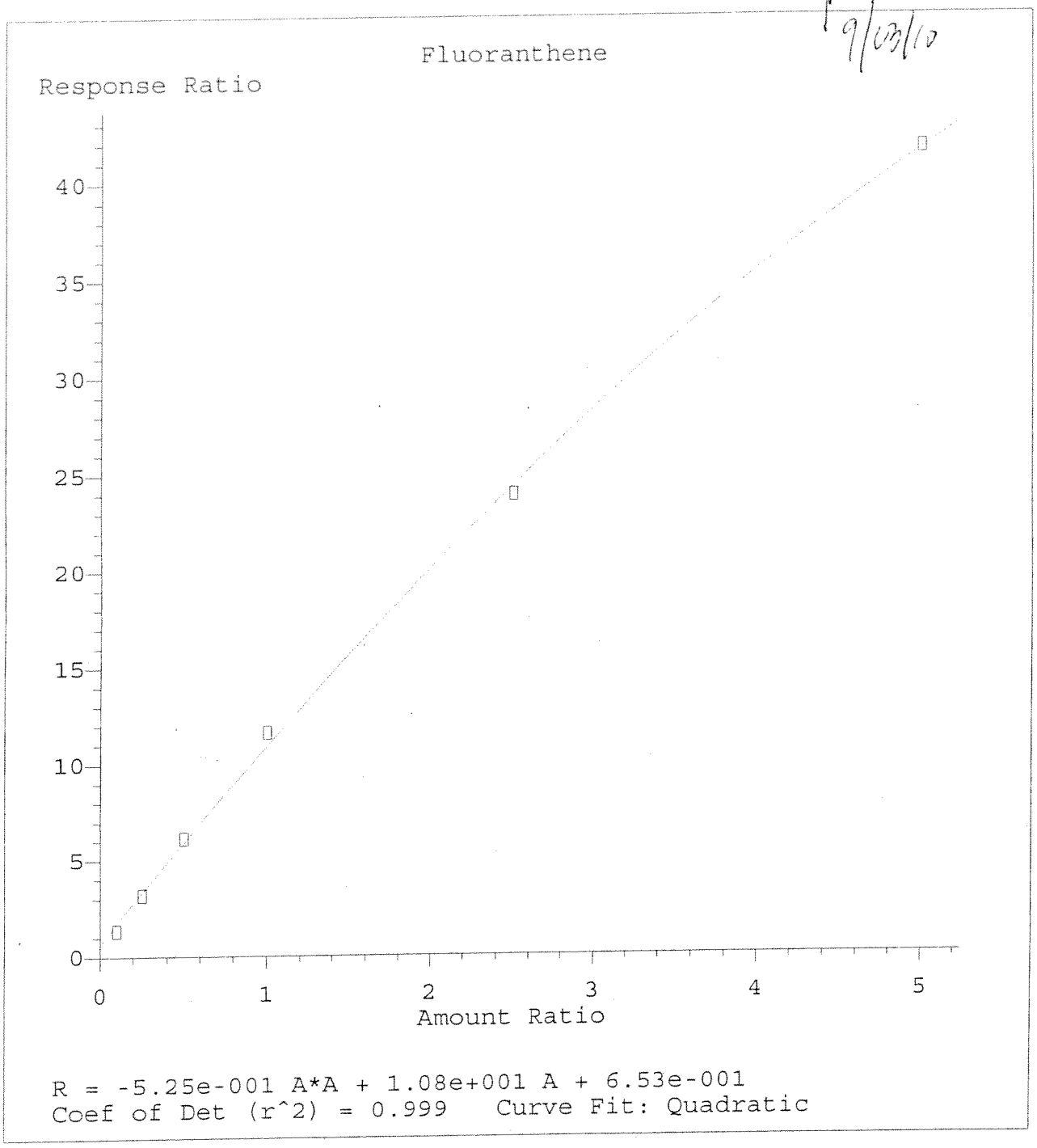
9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:13 2010

S92310

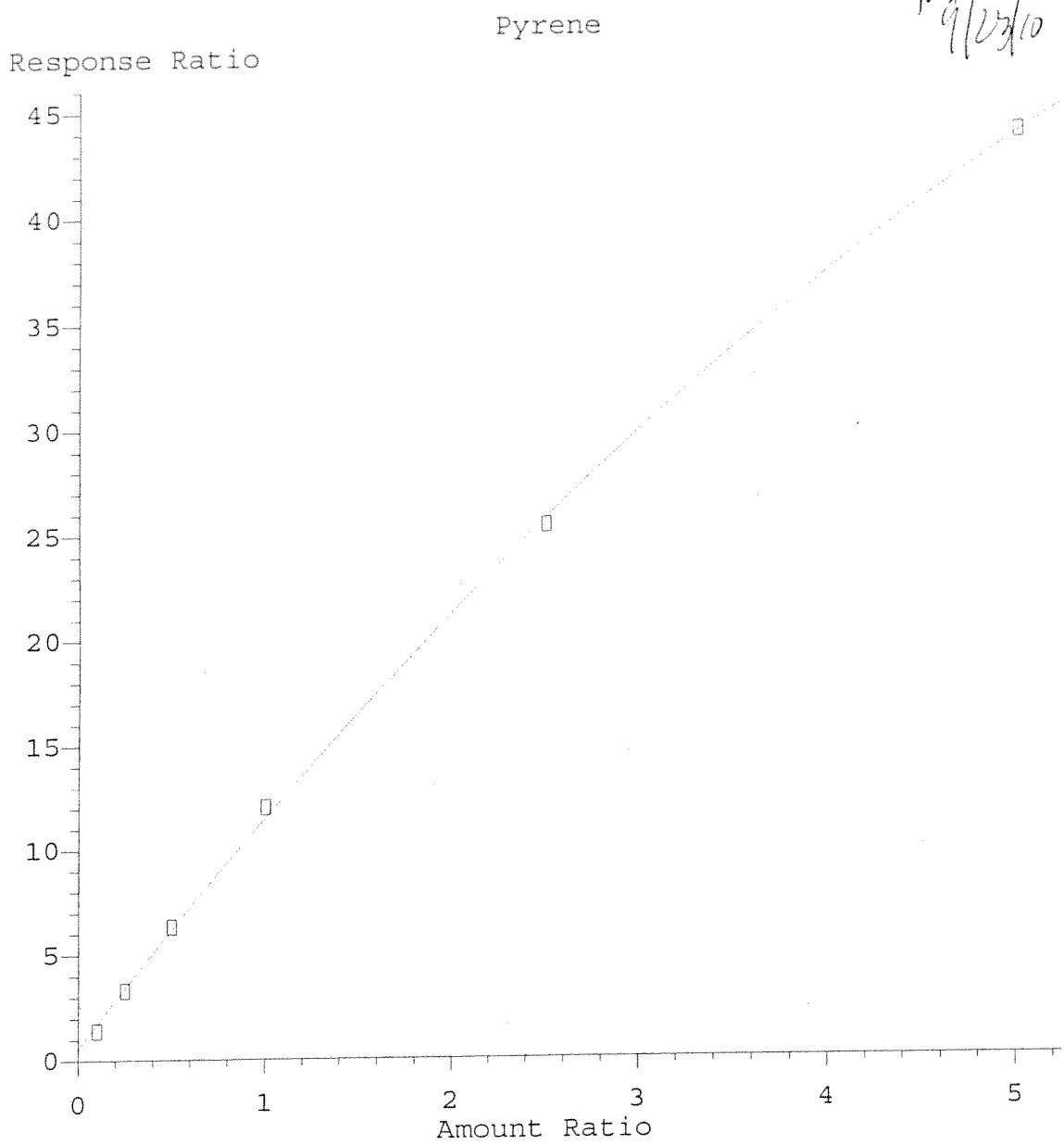
9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:19 2010

J923W

MV 9/23/10



R = -5.73e-001 A*A + 1.15e+001 A + 5.54e-001
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:27 2010

09·23·10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35922SI.D
Acq On : 22 Sep 2010 1:27 am
Operator : AR/MG
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 22 03:32:42 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

AN 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.966	95	102821	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	52974	1.51 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 7.55%#	
10) 2-Bromonaphthalene	5.962	206	24041	1.47 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 7.35%#	
11) o-terphenyl	7.479	230	28016	0.89 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 4.45%#	
Target Compounds					Qvalue
2) Naphthalene	4.562	128	110809	2.74 ug/ml	99
3) 2-Methylnaphthalene	5.131	141	64357	2.72 ug/ml	98
4) Acenaphthylene	5.849	152	118234	2.63 ug/ml	99
5) Acenaphthene	5.992	154	66884	2.59 ug/ml	97
6) Fluorene	6.407	166	84960	2.54 ug/ml	99
7) Phenanthrene	7.174	178	118890	2.44 ug/ml	99
8) Anthracene	7.217	178	124693	2.50 ug/ml	99
12) Fluoranthene	8.130	202	138796	2.40 ug/ml	99
13) Pyrene	8.327	202	143809	2.40 ug/ml	98
14) Benzo[a]anthracene	9.601	228	109503	2.19 ug/ml	99
15) Chrysene	9.645	228	112106	2.17 ug/ml	100
16) Benzo[b] fluoranthene ✓	11.098	252	91711	2.15 ug/ml	97
17) Benzo[k] fluoranthene ✓	11.139	252	100056	2.17 ug/ml	97
18) Benzo[a] pyrene	11.583	252	89677	2.12 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.332	276	68330	2.16 ug/ml	98
20) Dibenz [a,h] anthracene	13.395	278	66931	2.15 ug/ml	99
21) Benzo(g,h,i) perylene	13.728	276	78199	2.07 ug/ml	99

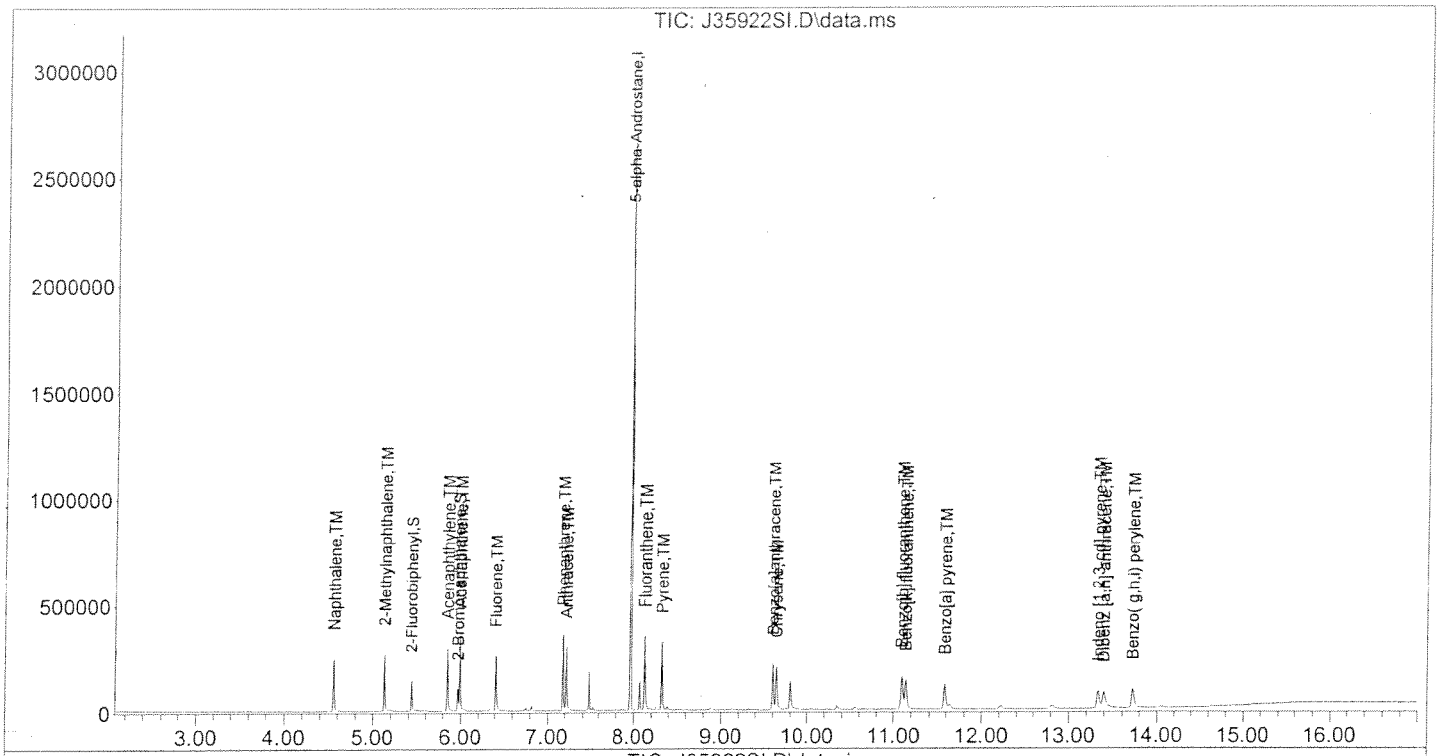
(#) = qualifier out of range (m) = manual integration (+) = signals summed

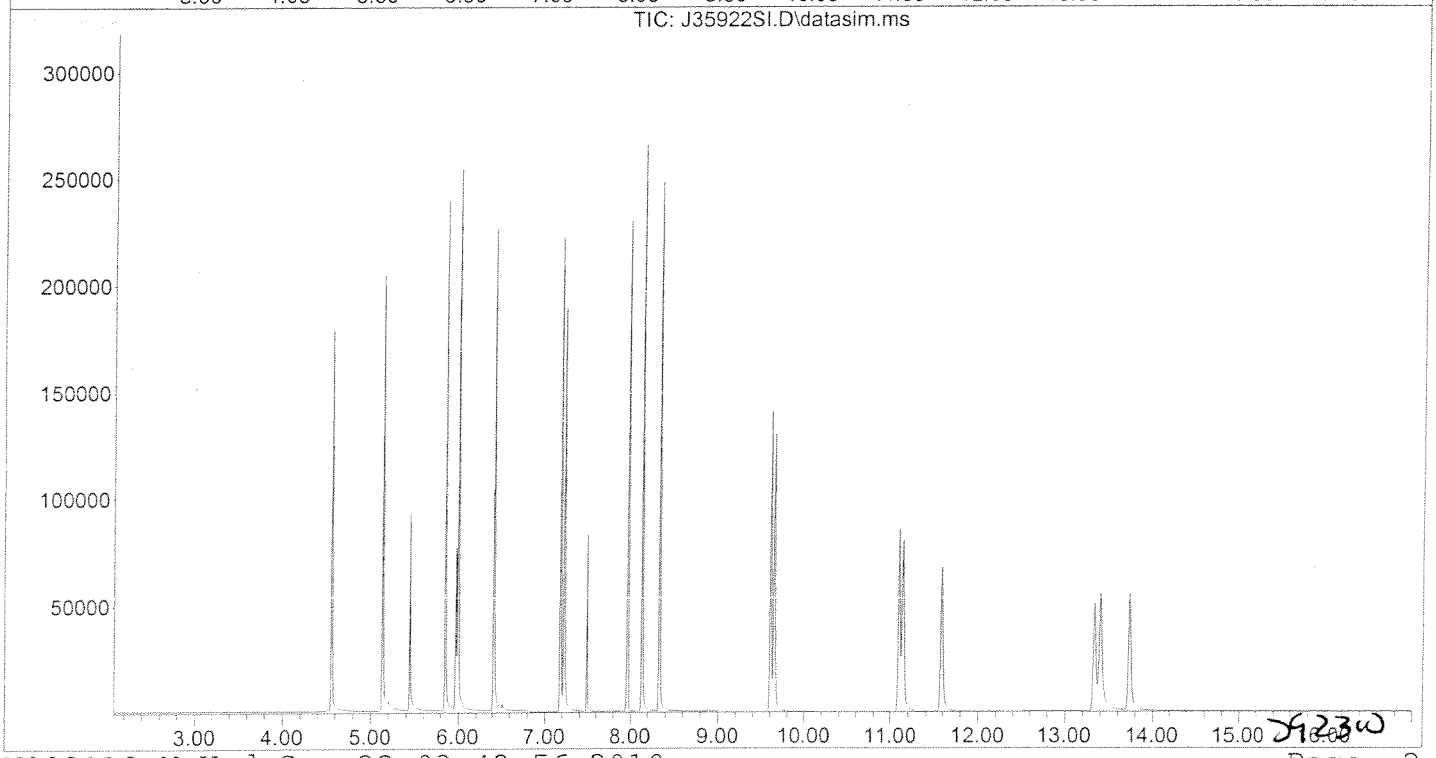
S92310

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35922SI.D
Acq On : 22 Sep 2010 1:27 am
Operator : AR/MG
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 22 03:32:42 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MK 9/23/10





SF123W

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35923SI.D
Acq On : 22 Sep 2010 1:50 am
Operator : AR/MG
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 22 03:32:43 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10

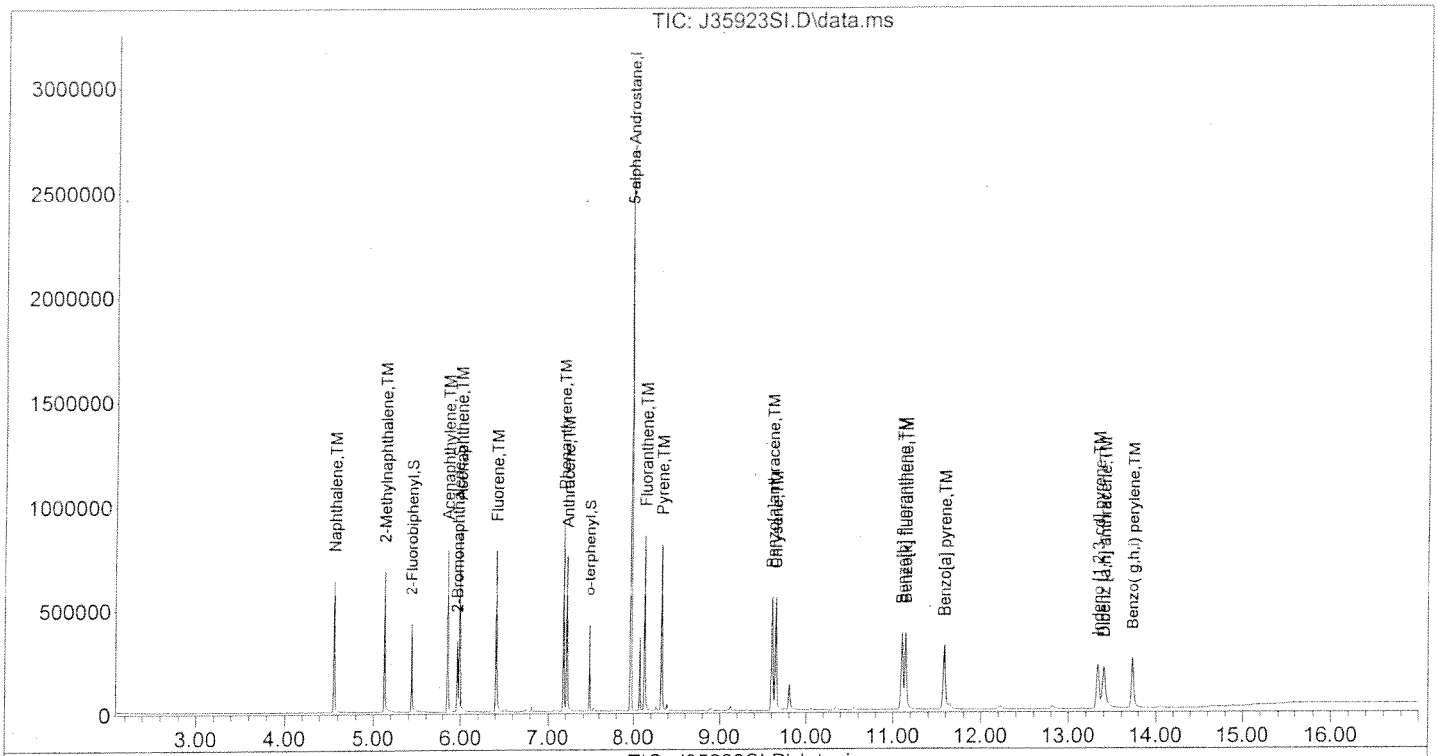
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	106433	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	132727	3.66 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 18.30%#	
10) 2-Bromonaphthalene	5.962	206	60679	3.57 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 17.85%#	
11) o-terphenyl	7.480	230	70660	2.18 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 10.90%#	
Target Compounds					Qvalue
2) Naphthalene	4.561	128	280012	6.70 ug/ml	99
3) 2-Methylnaphthalene	5.131	141	157641	6.44 ug/ml	99
4) Acenaphthylene	5.849	152	304091	6.52 ug/ml	100
5) Acenaphthene	5.991	154	165448	6.20 ug/ml	97
6) Fluorene	6.407	166	209039	6.04 ug/ml	98
7) Phenanthrene	7.175	178	309328	6.13 ug/ml	100
8) Anthracene	7.218	178	310241	6.02 ug/ml	99
12) Fluoranthene	8.131	202	337945	5.64 ug/ml	99
13) Pyrene	8.323	202	351219	5.66 ug/ml	99
14) Benzo[a]anthracene	9.602	228	277620	5.38 ug/ml	98
15) Chrysene	9.646	228	277700	5.20 ug/ml	98
16) Benzo[b] fluoranthene	11.099	252	231998	5.26 ug/ml	98
17) Benzo[k] fluoranthene	11.140	252	241808	5.07 ug/ml	97
18) Benzo[a] pyrene	11.584	252	226990	5.19 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.333	276	175218	5.34 ug/ml	98
20) Dibenz [a,h] anthracene	13.397	278	159356	4.94 ug/ml	98
21) Benzo(g,h,i) perylene	13.730	276	199448	5.09 ug/ml	99

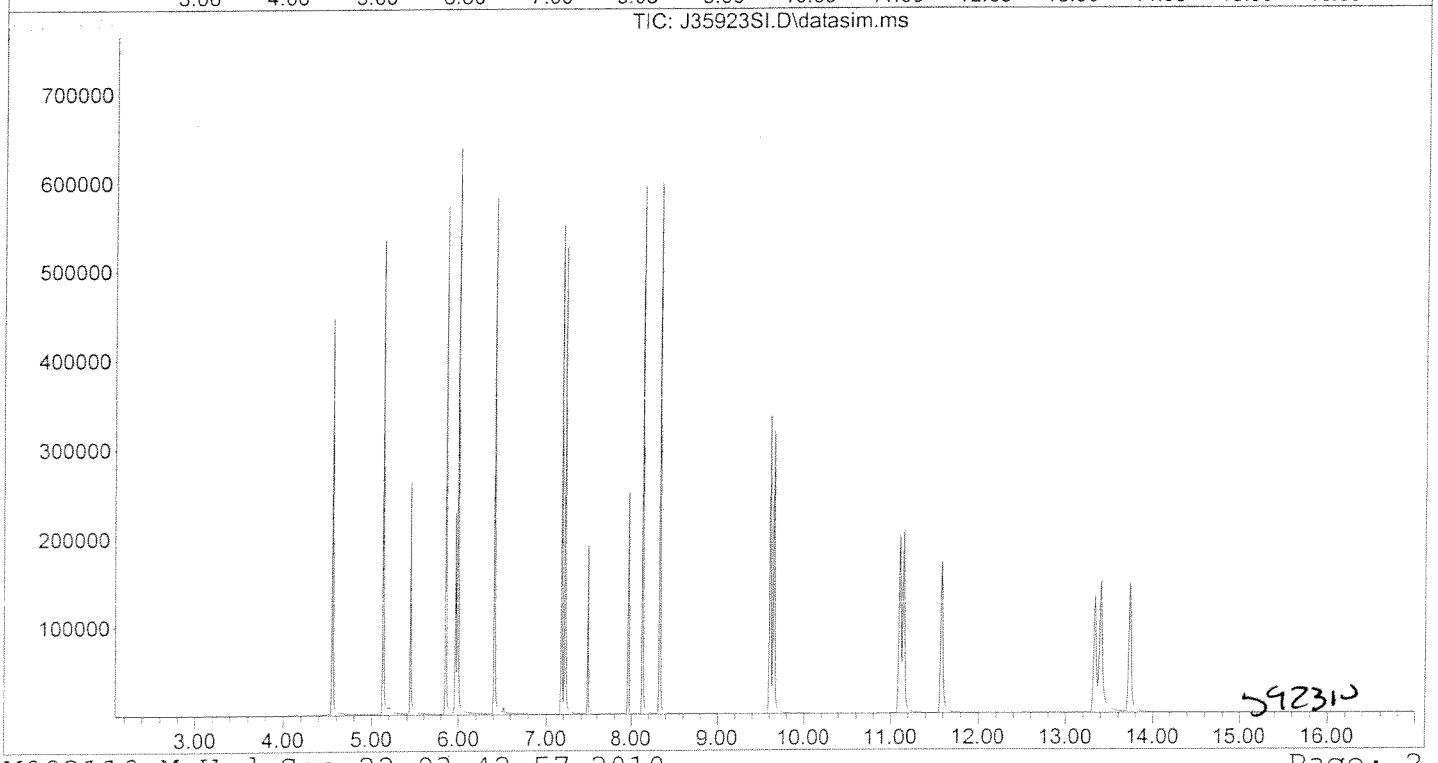
(#) = qualifier out of range (m) = manual integration (+) = signals summed

S92310

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35923SI.D
Acq On : 22 Sep 2010 1:50 am
Operator : AR/MG
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 22 03:32:43 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration





Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35924SI.D
Acq On : 22 Sep 2010 2:13 am
Operator : AR/MG
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 22 03:32:44 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

AN 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	108670	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	255643	6.91 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 34.55%#	
10) 2-Bromonaphthalene	5.962	206	115921	6.69 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 33.45%#	
11) o-terphenyl	7.480	230	137056	4.14 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 20.70%#	
Target Compounds					Qvalue
2) Naphthalene	4.561	128	528517	12.38 ug/ml	99
3) 2-Methylnaphthalene	5.131	141	294618	11.79 ug/ml	97
4) Acenaphthylene	5.849	152	574518	12.07 ug/ml	99
5) Acenaphthene	5.991	154	310916	11.40 ug/ml	98
6) Fluorene	6.406	166	405214	11.46 ug/ml	99
7) Phenanthrene	7.175	178	589829	11.45 ug/ml	100
8) Anthracene	7.217	178	590595	11.22 ug/ml	99
12) Fluoranthene	8.131	202	666047	10.89 ug/ml	100
13) Pyrene	8.328	202	688042	10.85 ug/ml	99
14) Benzo[a]anthracene	9.606	228	544956	10.33 ug/ml	98
15) Chrysene	9.650	228	536950	9.84 ug/ml	99
16) Benzo[b] fluoranthene	11.102	252	461568	10.25 ug/ml	98
17) Benzo[k] fluoranthene	11.146	252	484662	9.95 ug/ml	97
18) Benzo[a] pyrene	11.588	252	450473	10.09 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.341	276	343066	10.25 ug/ml	99
20) Dibenz [a,h] anthracene	13.404	278	340247	10.32 ug/ml	100
21) Benzo(g,h,i) perylene	13.737	276	386386	9.65 ug/ml	100

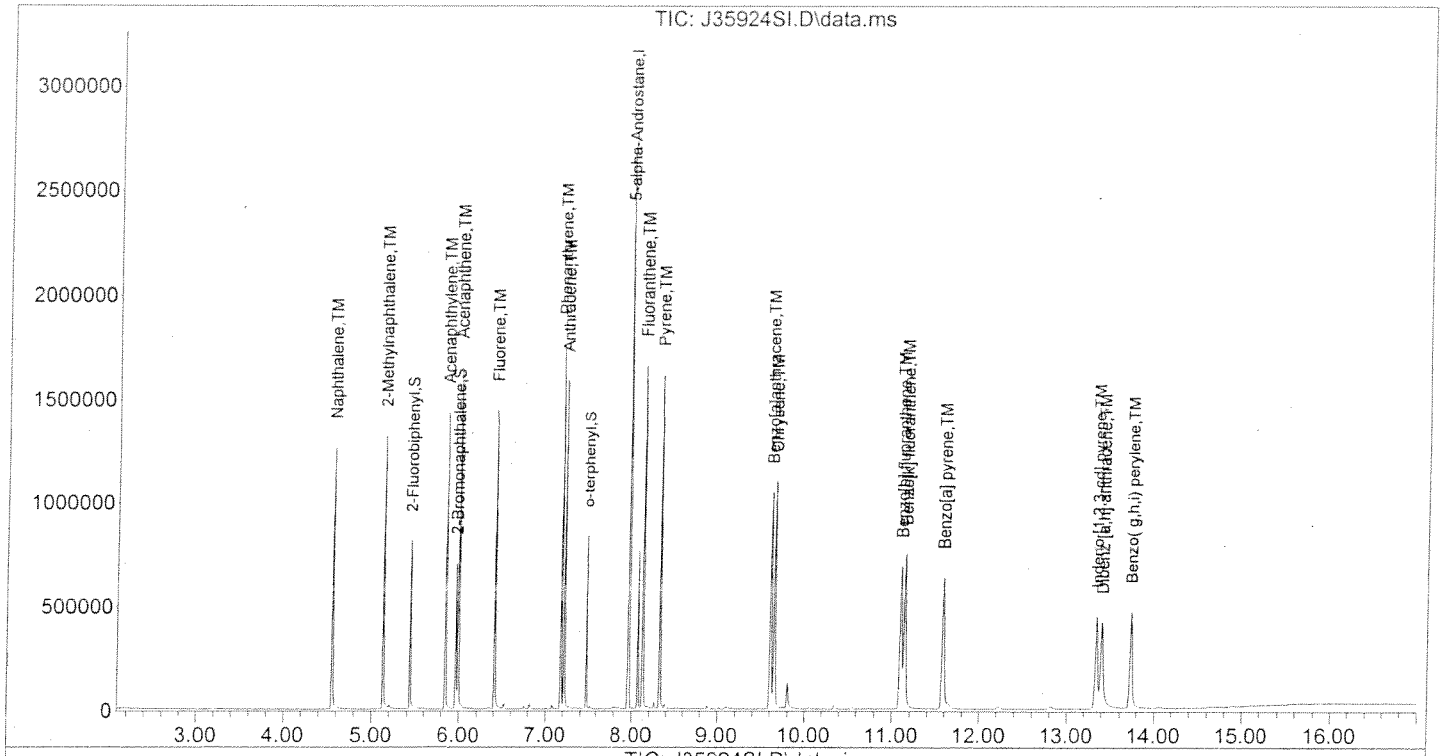
(#) = qualifier out of range (m) = manual integration (+) = signals summed

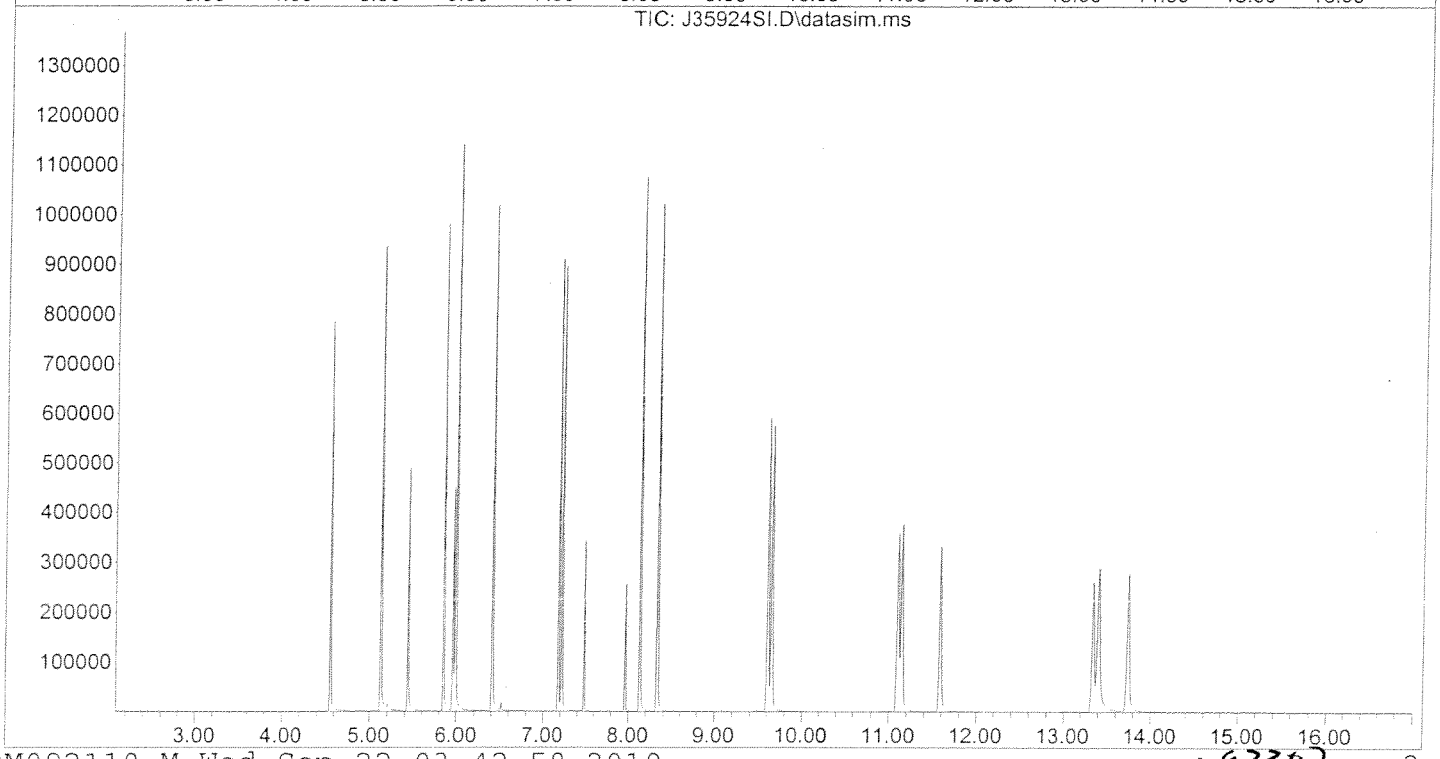
592300

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35924SI.D
Acq On : 22 Sep 2010 2:13 am
Operator : AR/MG
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 22 03:32:44 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10





Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35925SI.D
Acq On : 22 Sep 2010 2:36 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 22 03:32:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	102381	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	475001	13.62 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 68.10%		
10) 2-Bromonaphthalene	5.967	206	213760	13.09 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 65.45%		
11) o-terphenyl	7.480	230	247910	7.94 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 39.70%#		
Target Compounds					Qvalue
2) Naphthalene	4.561	128	982927	24.45 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	548934	23.32 ug/ml	99
4) Acenaphthylene	5.855	152	1060858	23.66 ug/ml	100
5) Acenaphthene	5.997	154	573620	22.33 ug/ml	99
6) Fluorene	6.412	166	743612	22.32 ug/ml	99
7) Phenanthrene	7.175	178	1069511	22.05 ug/ml	100
8) Anthracene	7.217	178	1068096	21.53 ug/ml	100
12) Fluoranthene	8.136	202	1191844	20.69 ug/ml	100
13) Pyrene	8.328	202	1231353	20.61 ug/ml	100
14) Benzo[a]anthracene	9.609	228	990938	19.95 ug/ml	98
15) Chrysene	9.656	228	956654	18.61 ug/ml	100
16) Benzo[b] fluoranthene	11.109	252	882842	20.82 ug/ml	100
17) Benzo[k] fluoranthene	11.157	252	843611	18.38 ug/ml	99
18) Benzo[a] pyrene	11.598	252	835730	19.87 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.352	276	660989	20.95 ug/ml	99
20) Dibenz [a,h] anthracene	13.416	278	645528	20.79 ug/ml	99
21) Benzo(g,h,i) perylene	13.757	276	713080	18.91 ug/ml	99

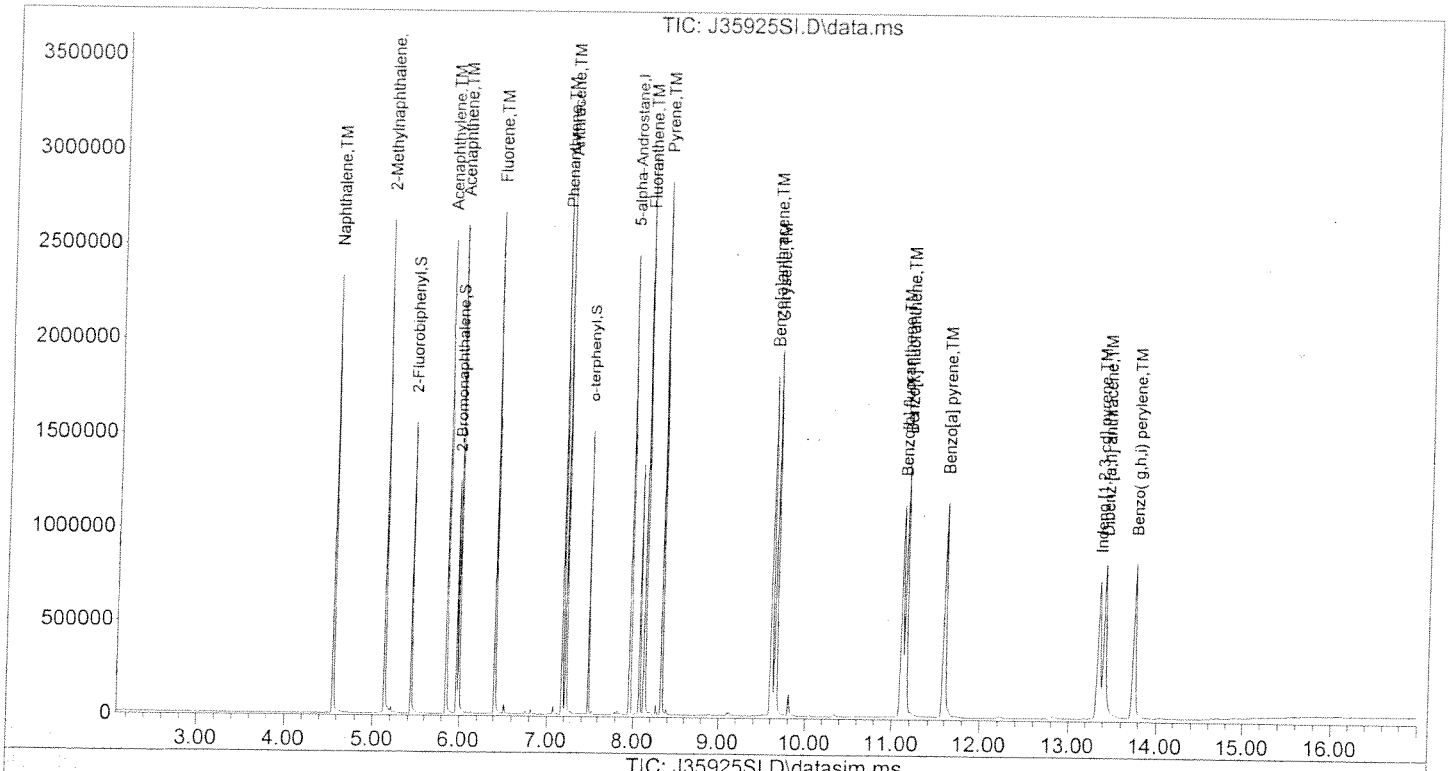
(#) = qualifier out of range (m) = manual integration (+) = signals summed

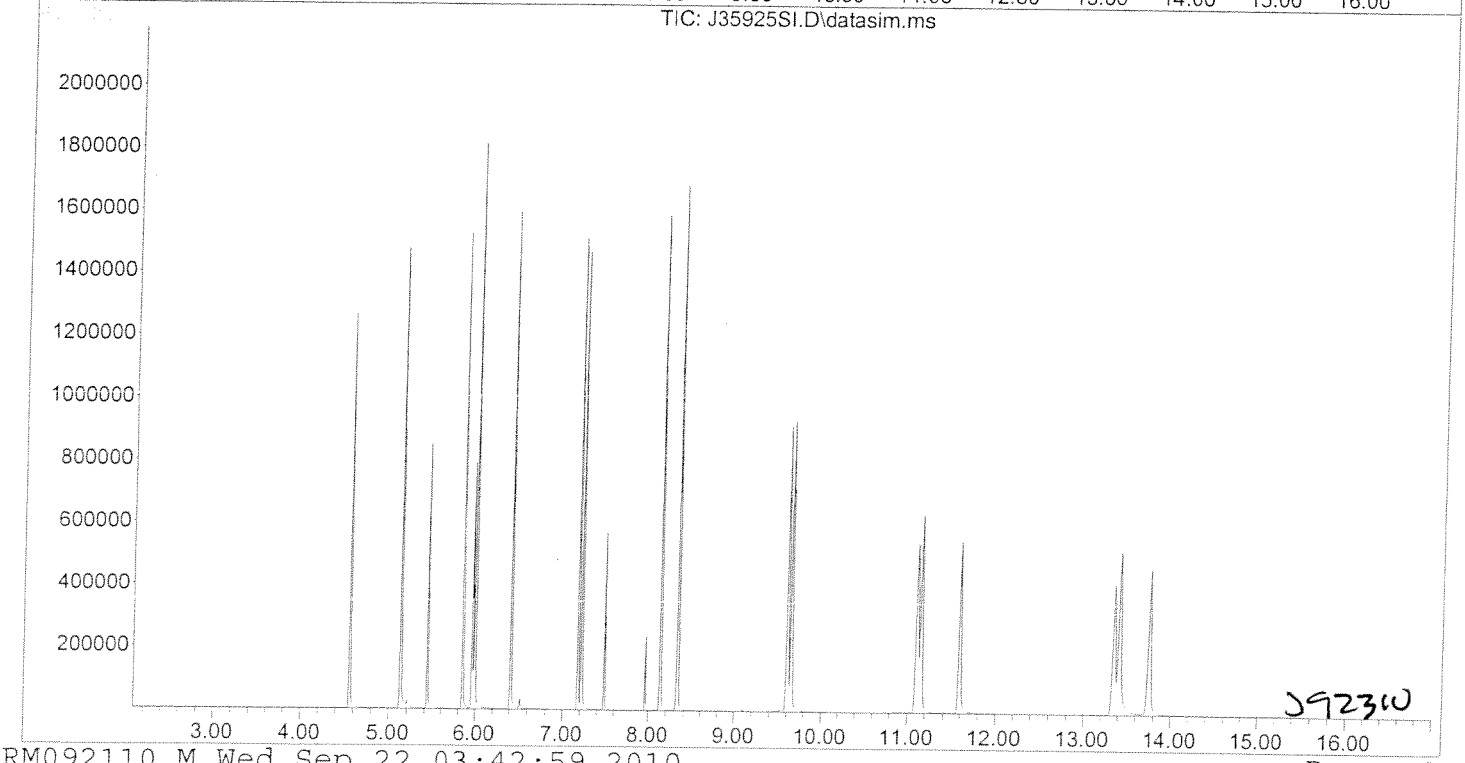
J92310

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35925SI.D
Acq On : 22 Sep 2010 2:36 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 22 03:32:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10





J92310

ARM092110.M Wed Sep 22 03:42:59 2010

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 22 03:39:30 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MR 9/27/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.966	95	108242	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.440	172	1128184	30.60 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 153.00%#		
10) 2-Bromonaphthalene	5.968	206	522729	30.27 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 151.35%#		
11) o-terphenyl	7.479	230	605168	18.34 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 91.70%		

Target Compounds					Qvalue
2) Naphthalene	4.562	128	2260706	53.18 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	1237950	49.74 ug/ml	99
4) Acenaphthylene	5.855	152	2426037	51.17 ug/ml	100
5) Acenaphthene	5.998	154	1306687	48.12 ug/ml	100
6) Fluorene	6.413	166	1661651	47.17 ug/ml	100
7) Phenanthrene	7.184	178	2411401	47.01 ug/ml	100
8) Anthracene	7.226	178	2378488	45.36 ug/ml	100
12) Fluoranthene	8.144	202	2590784	42.53 ug/ml	99
13) Pyrene	8.336	202	2751704	43.57 ug/ml	100
14) Benzo[a]anthracene	9.622	228	2341377	44.58 ug/ml	98
15) Chrysene	9.672	228	2241564	41.24 ug/ml	100
16) Benzo[b] fluoranthene	11.129	252	2161365	48.20 ug/ml	100
17) Benzo[k] fluoranthene	✓11.183	252	1986983	40.94 ug/ml	99
18) Benzo[a] pyrene	11.621	252	1992264	44.80 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.379	276	1721491m	51.61 ug/ml	
20) Dibenz [a,h] anthracene	13.451	278	1701068	51.82 ug/ml	97
21) Benzo(g,h,i) perylene	13.792	276	1827113	45.83 ug/ml	99

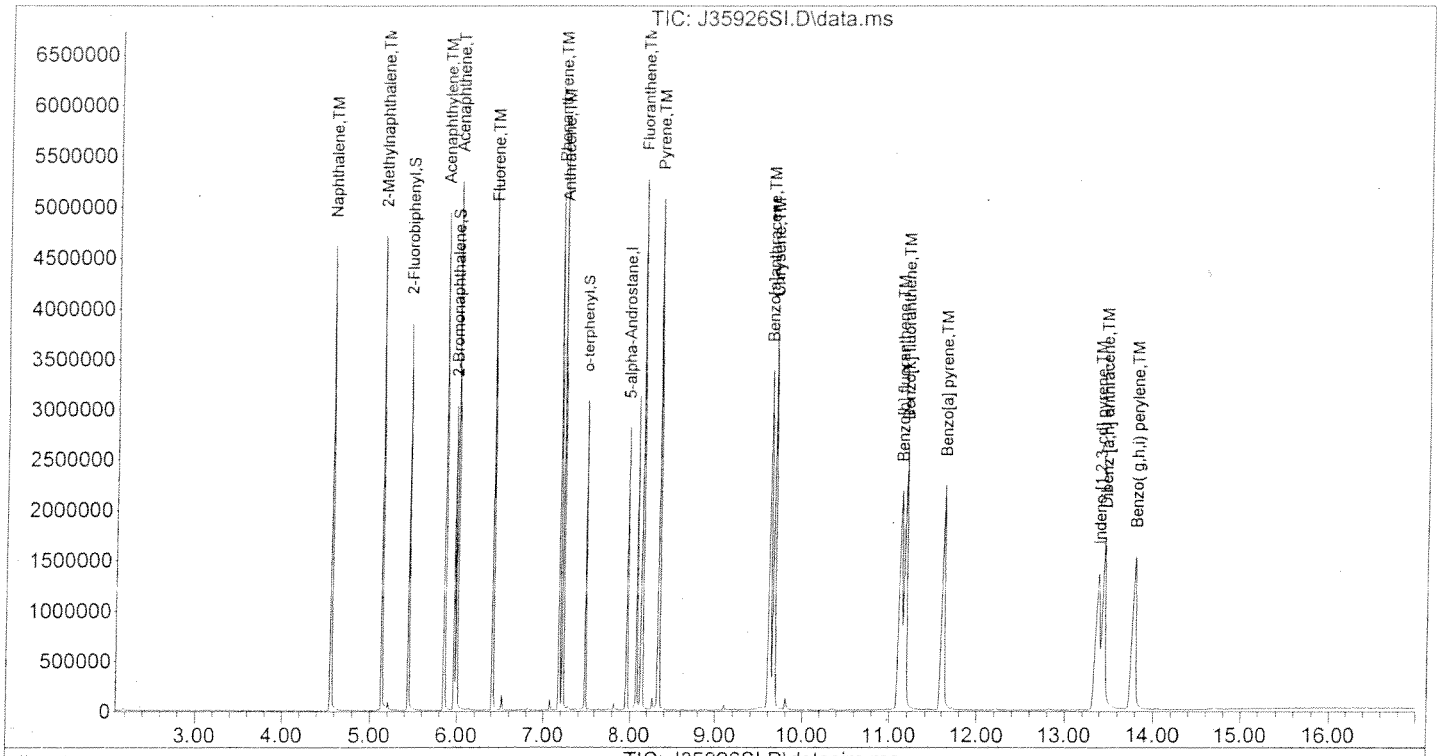
(#) = qualifier out of range (m) = manual integration (+) = signals summed

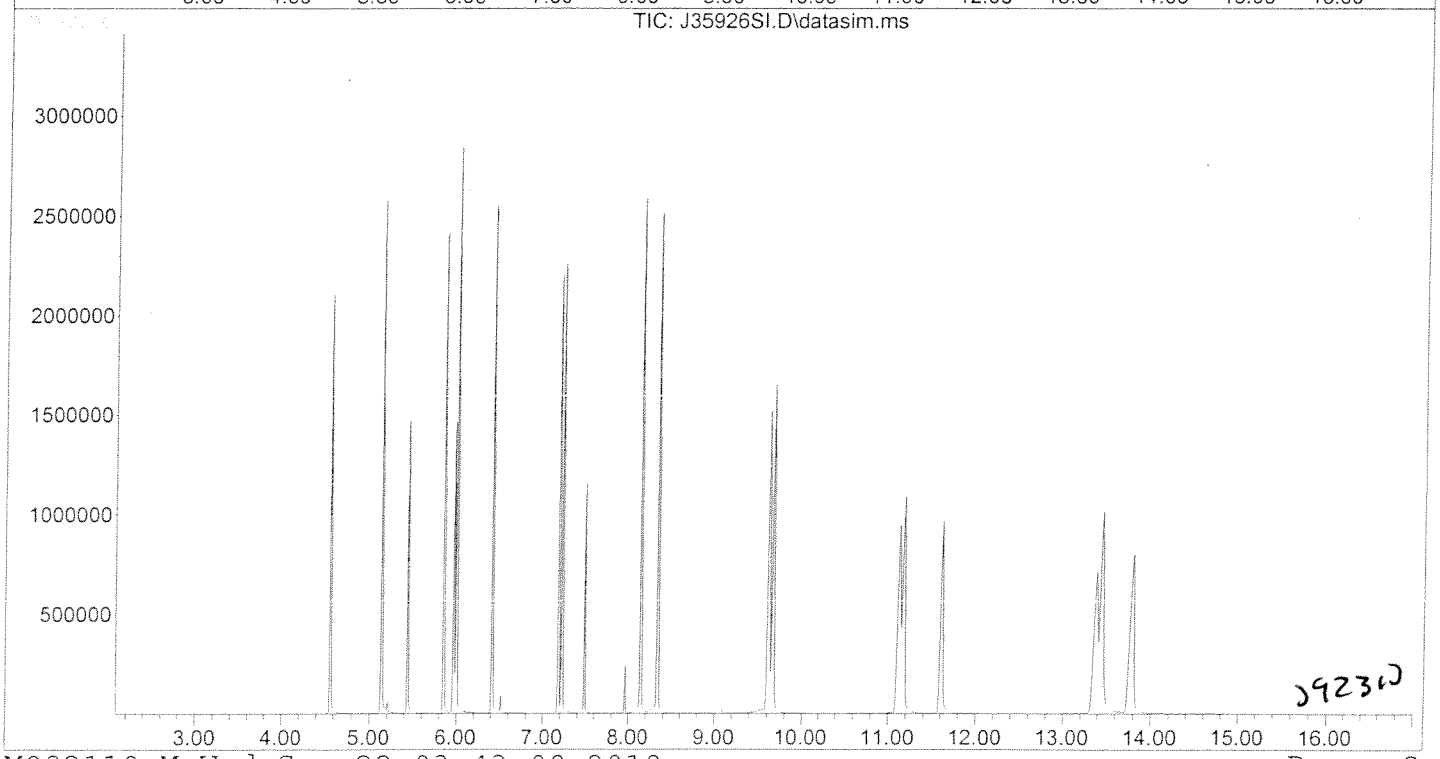
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 22 03:39:30 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MV 9/23/10

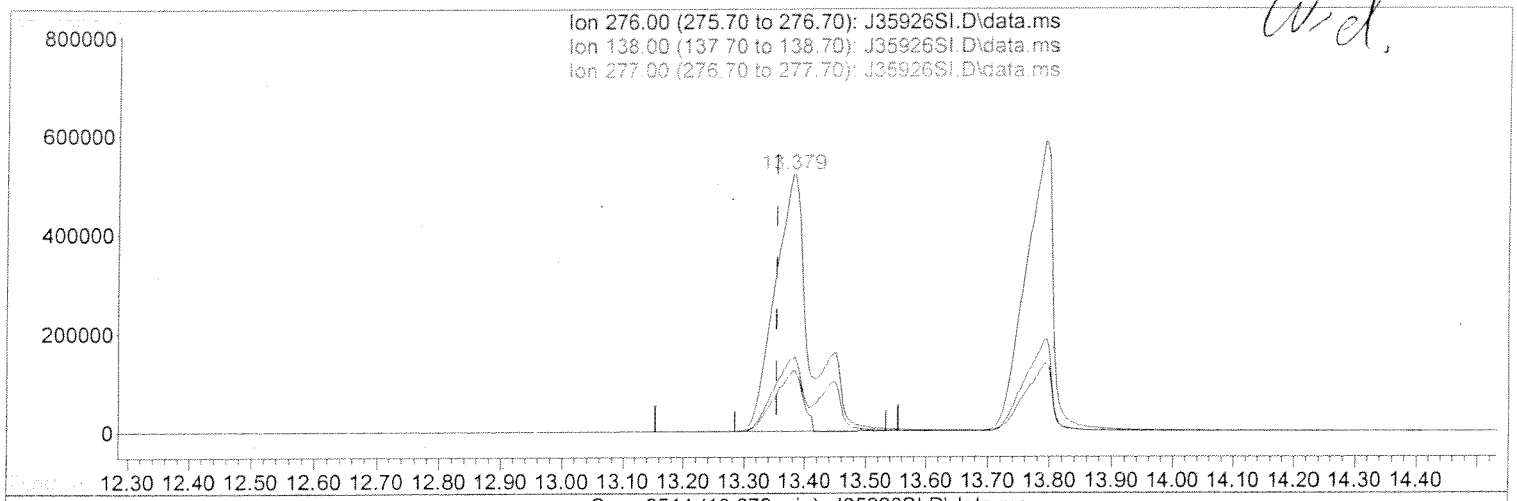


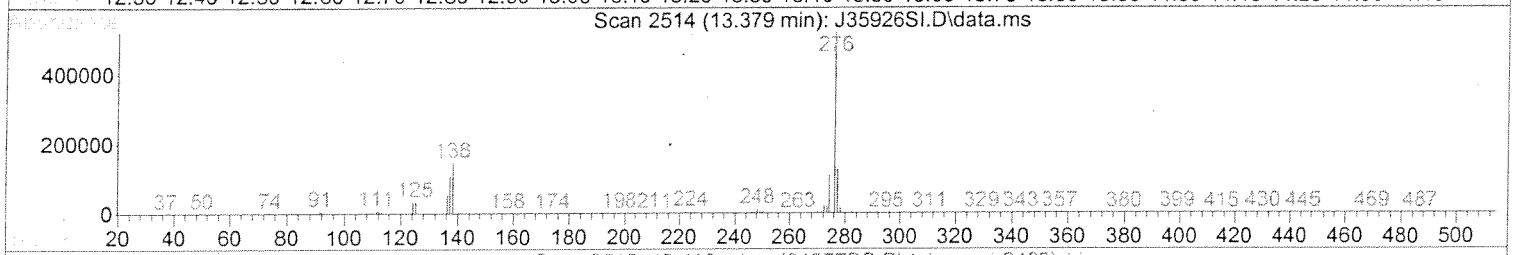


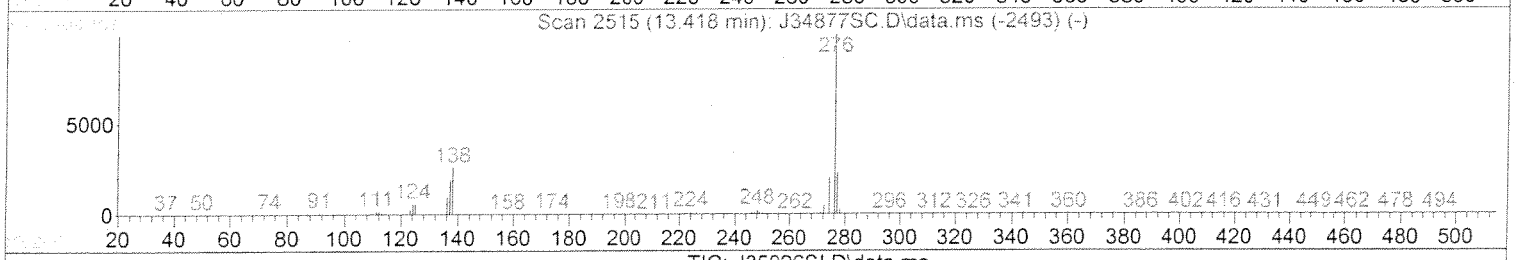
J9230

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 22 03:32:46 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration







TIC: J35926SI.D\data.ms

(19) Indeno [1,2,3-cd] pyrene (TM)

13.379min (+0.025) 63.91ug/ml

response 2131503

Ion	Exp%	Act%
276.00	100	100
138.00	30.20	24.27
277.00	23.70	19.22
0.00	0.00	0.00

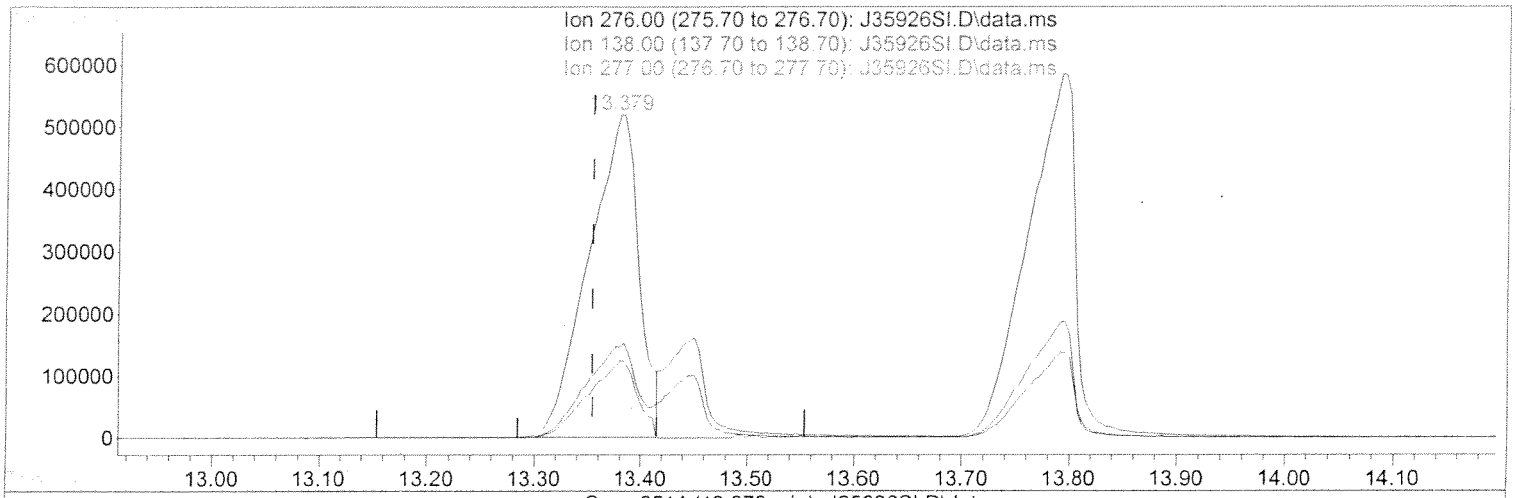
592310

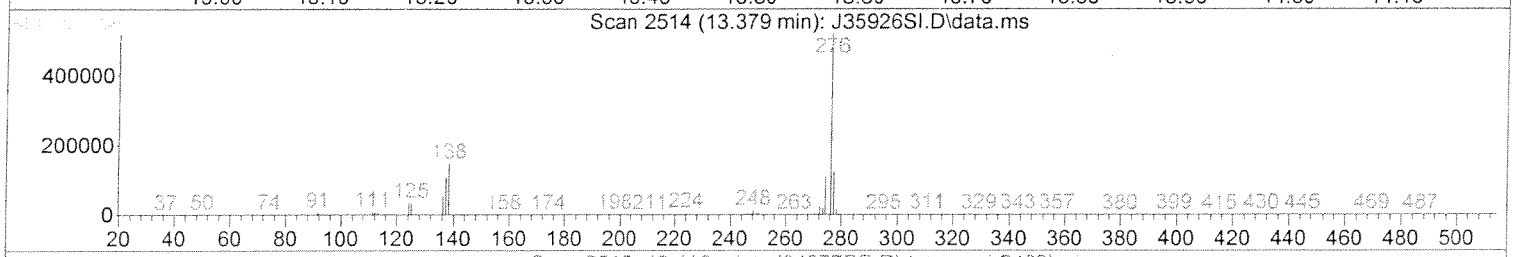
ARM092110.M Wed Sep 22 03:39:13 2010

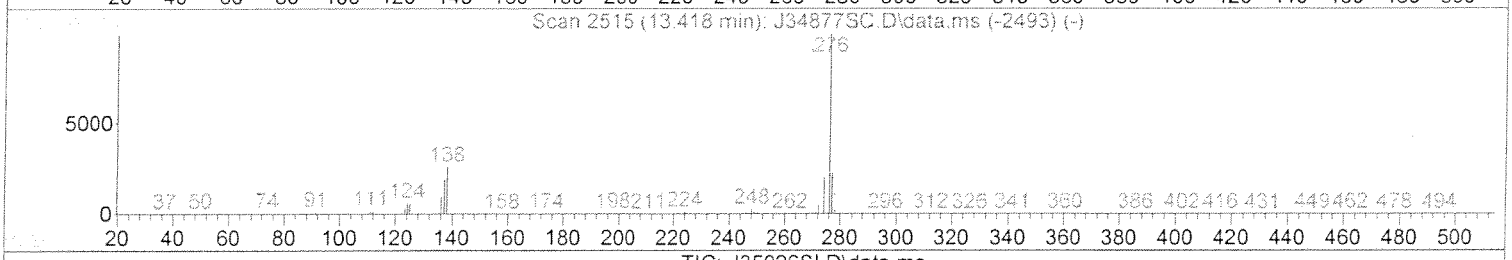
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 22 03:32:46 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/03/10







TIC: J35926SI.D\data.ms

(19) Indeno [1,2,3-cd] pyrene (TM)

13.379min (+0.025) 51.61ug/ml m

response 1721491

Ion	Exp%	Act%
276.00	100	100
138.00	30.20	30.05
277.00	23.70	23.80
0.00	0.00	0.00

J923W

ARM092110.M Wed Sep 22 03:39:36 2010

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:40:28 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	96457	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.439	172	1726720	52.56 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 262.80%#		
10) 2-Bromonaphthalene	5.973	206	812186	52.78 ug/ml	0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 263.90%#		
11) o-terphenyl	7.484	230	954221	32.44 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 162.20%#		
Target Compounds					Qvalue
2) Naphthalene	4.567	128	3360056	88.70 ug/ml	99
3) 2-Methylnaphthalene	5.137	141	1847009	83.28 ug/ml	99
4) Acenaphthylene	5.861	152	3651329	86.43 ug/ml	100
5) Acenaphthene	6.003	154	1923299	79.47 ug/ml	100
6) Fluorene	6.418	166	2511709	80.02 ug/ml	99
7) Phenanthrene	7.189	178	3580923	78.35 ug/ml	100
8) Anthracene	7.231	178	3555041	76.08 ug/ml	100
12) Fluoranthene	8.150	202	4018959	74.04 ug/ml	99
13) Pyrene	8.346	202	4233639	75.22 ug/ml	99
14) Benzo[a]anthracene	9.633	228	3824879	81.72 ug/ml	98
15) Chrysene	9.687	228	3500585m	72.28 ug/ml	
16) Benzo[b] fluoranthene	11.143	252	3690964	92.37 ug/ml	99
17) Benzo[k] fluoranthene	11.205	252	3170644m	73.31 ug/ml	
18) Benzo[a] pyrene	11.639	252	3362388	84.84 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.428	276	2998642m	100.89 ug/ml	
20) Dibenz [a,h] anthracene	13.475	278	2684952	91.79 ug/ml	95
21) Benzo(g,h,i) perylene	13.824	276	2795922	78.70 ug/ml	99

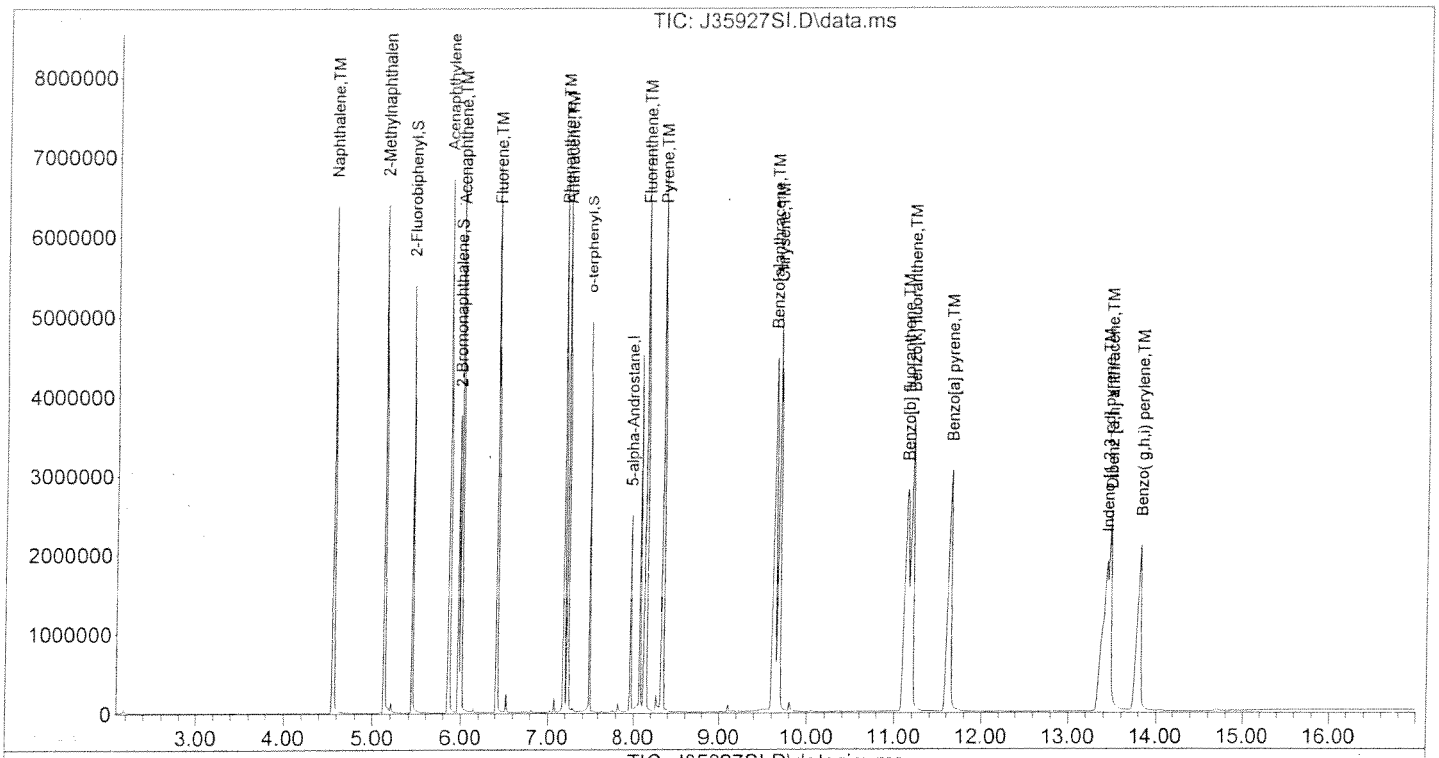
(#) = qualifier out of range (m) = manual integration (+) = signals summed

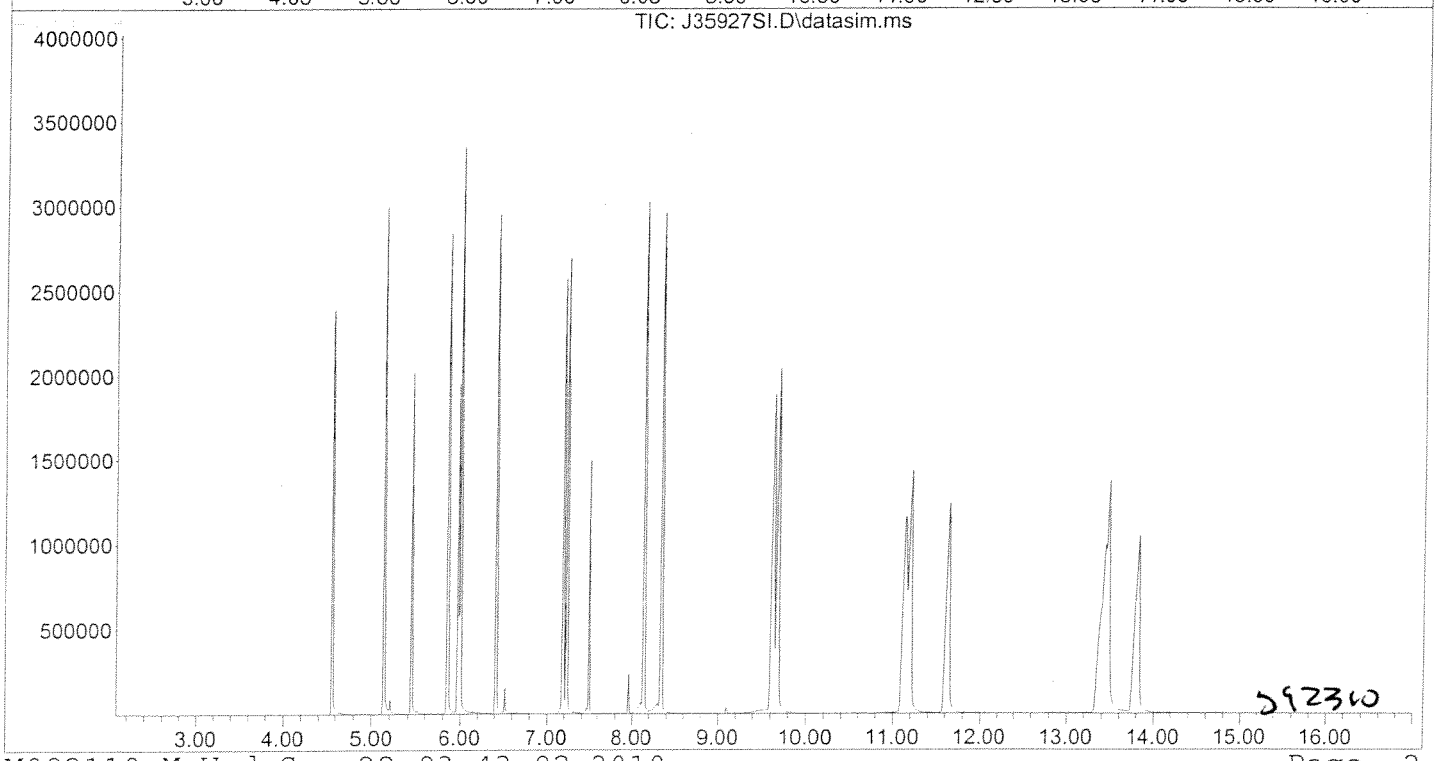
592300

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:40:28 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

AN 9/23/10



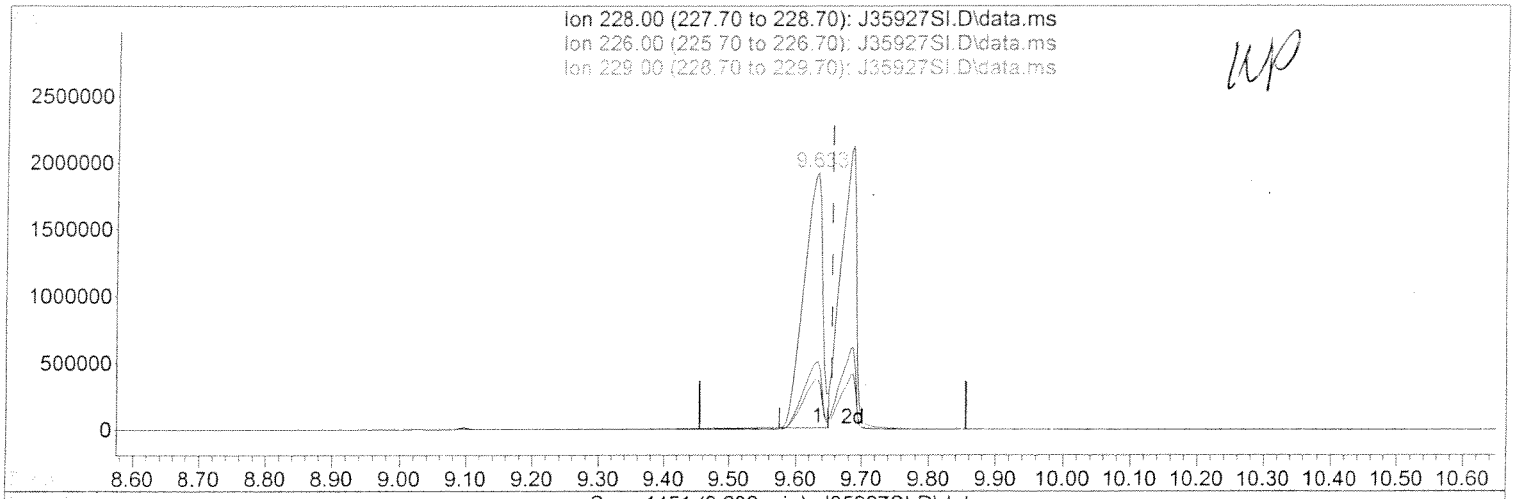


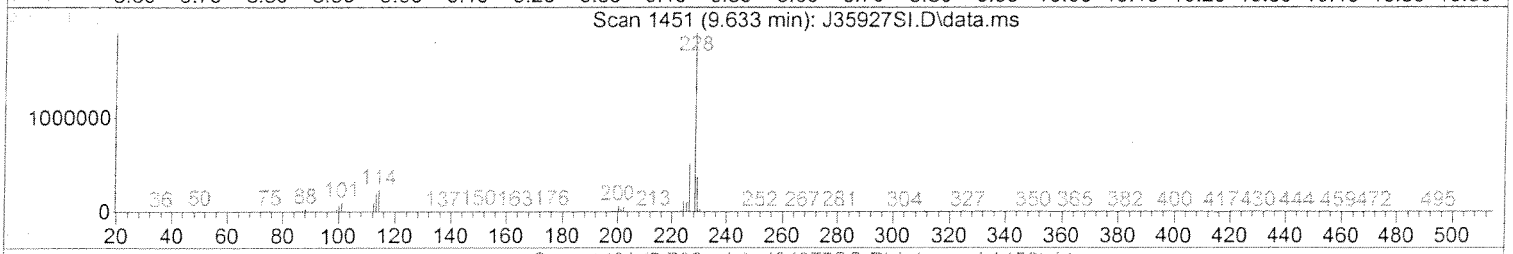
S92310

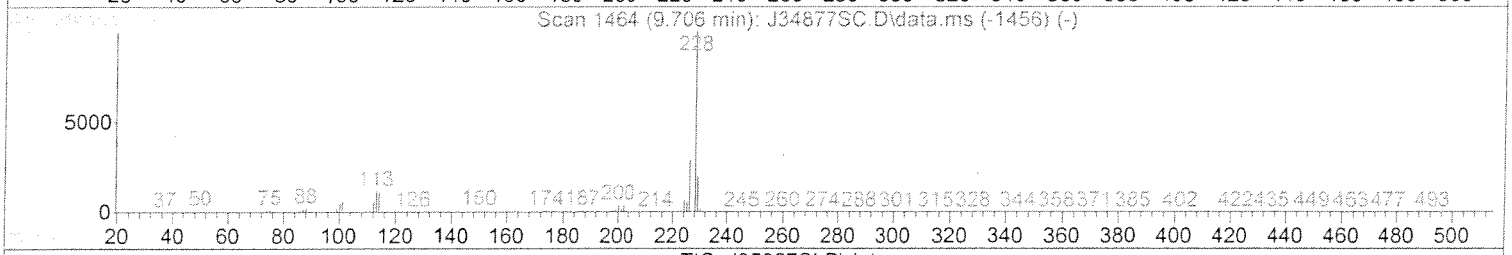
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MW 9/23/10







TIC: J35927SI.D\data.ms

(15) Chrysene (TM)

9.633min (-0.023) 78.86ug/ml

response 3819230

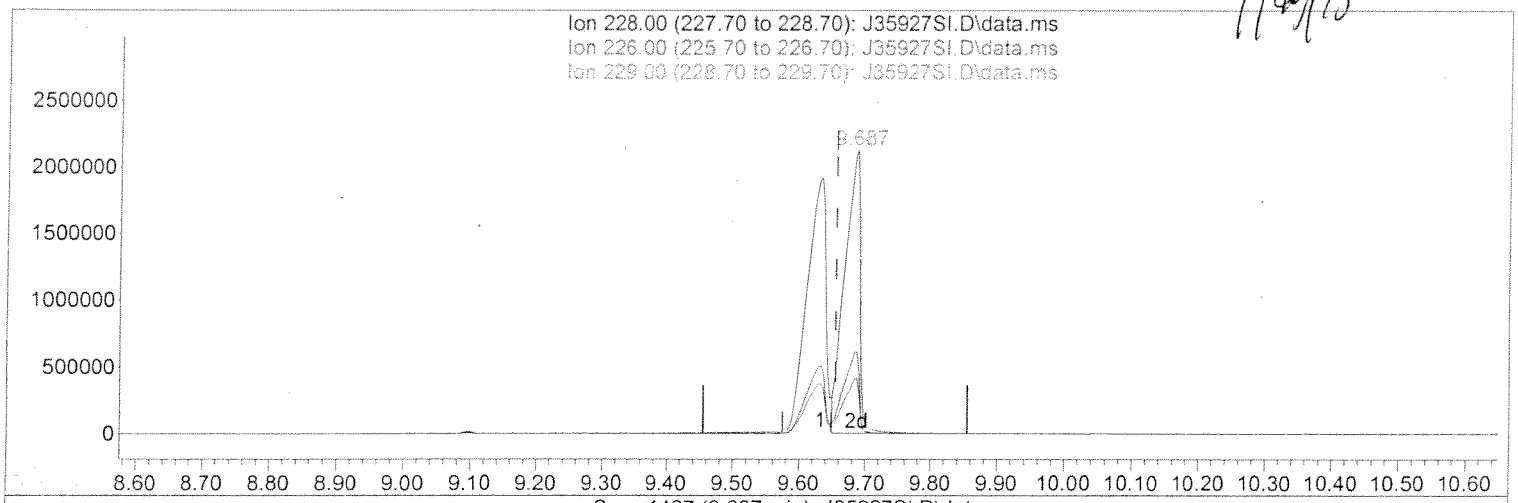
Ion	Exp%	Act%
228.00	100	100
226.00	29.20	26.26
229.00	19.70	19.82
0.00	0.00	0.00

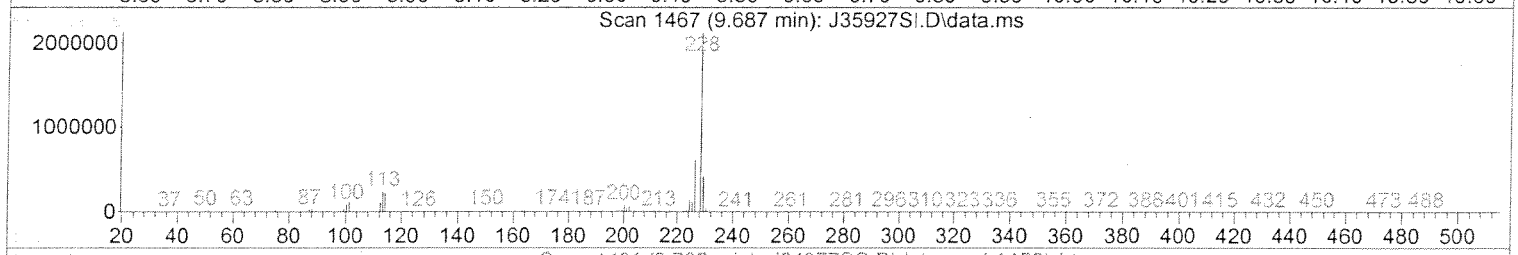
092310

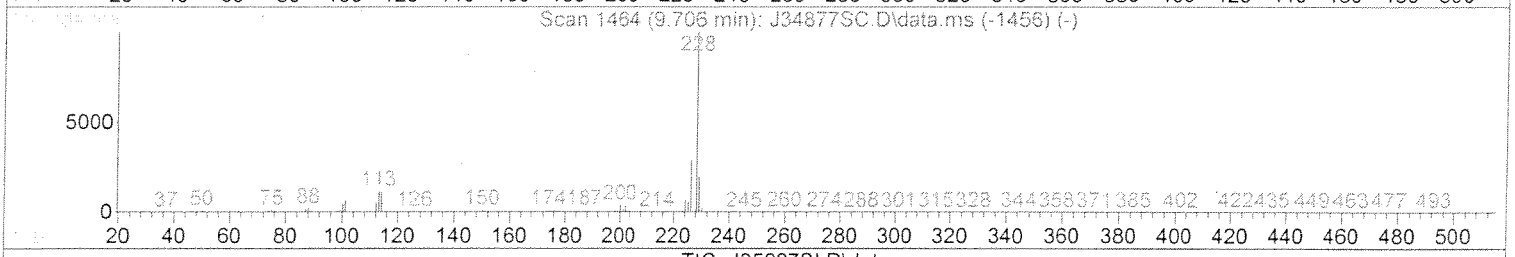
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/22/10







TIC: J35927SI.D\data.ms

(15) Chrysene (TM)

9.687min (+0.031) 72.28ug/ml m

response 3500585

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	28.65
229.00	19.70	21.62
0.00	0.00	0.00

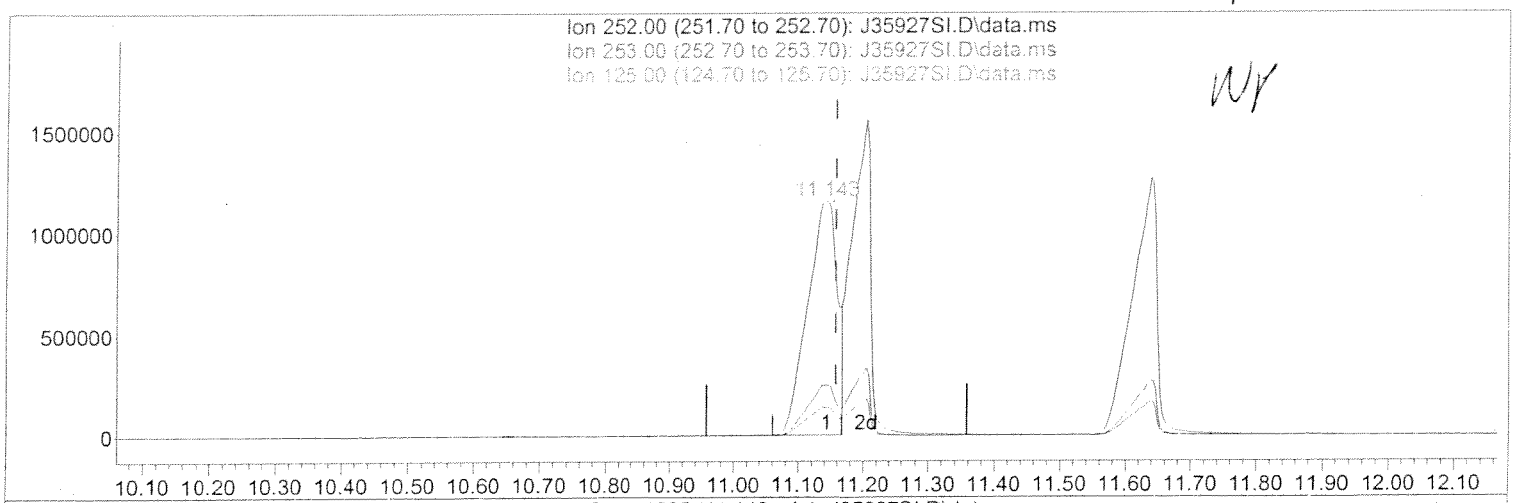
092310

ARM092110.M Wed Sep 22 03:40:04 2010

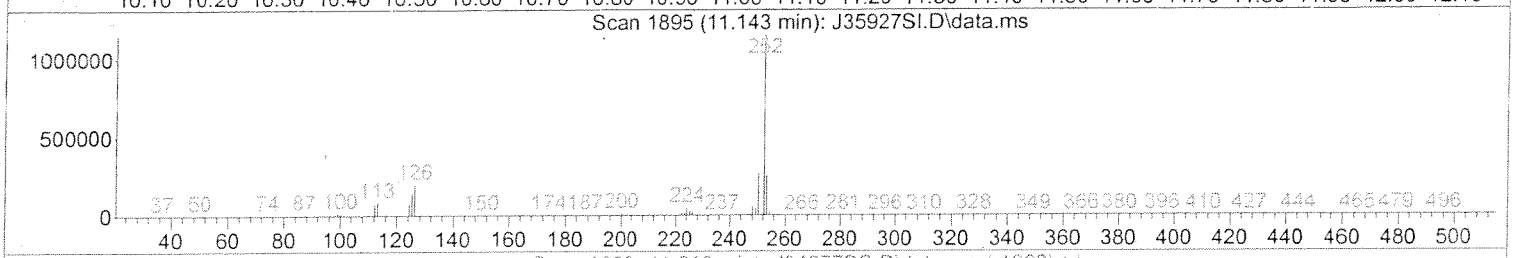
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

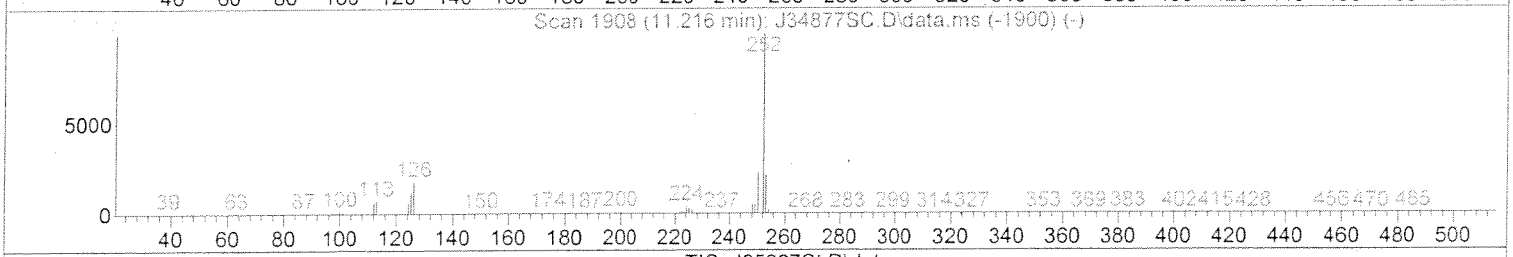
Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

AM 9/23/10



WY





TIC: J35927SI.D\data.ms

(17) Benzo[k] fluoranthene (TM)

11.143min (-0.015) 85.34ug/ml

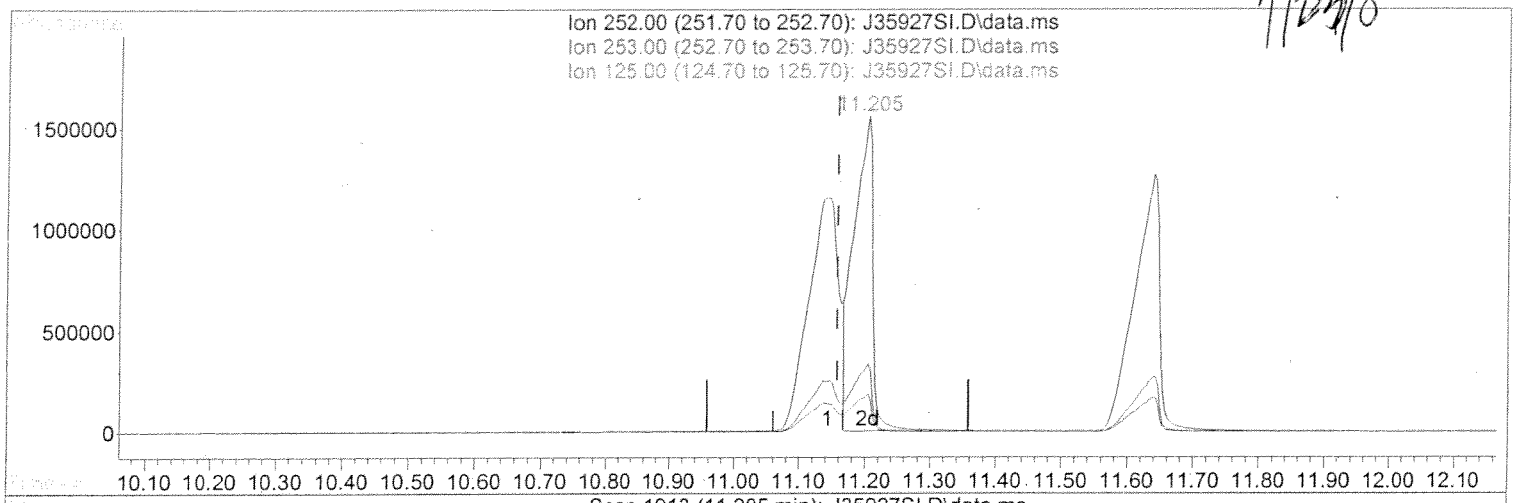
response 3690964

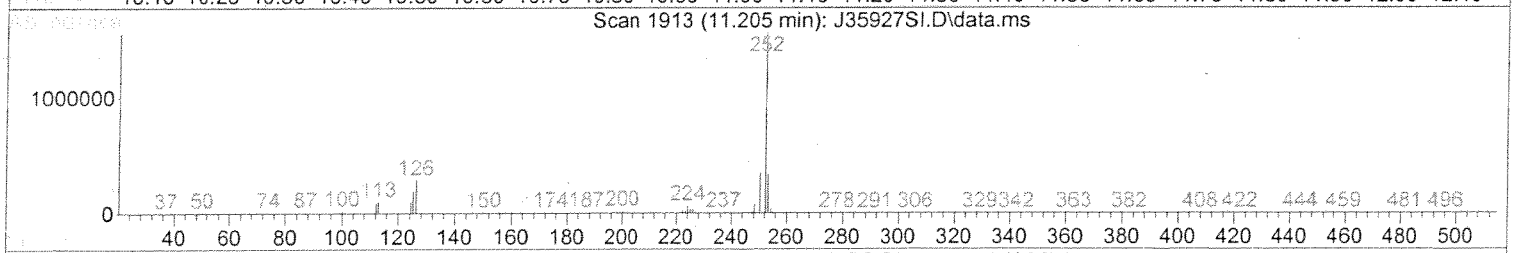
Ion	Exp%	Act%
252.00	100	100
253.00	22.70	21.95
125.00	13.70	12.82
0.00	0.00	0.00

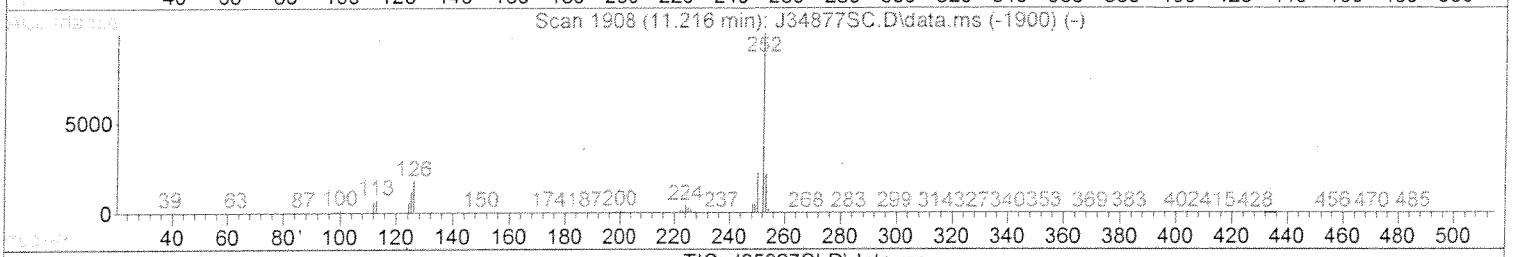
392300

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration







TIC: J35927SI.D\data.ms

(17) Benzo[k] fluoranthene (TM)

11.205min (+0.047) 73.31ug/ml m

response 3170644

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	25.55
125.00	13.70	14.93
0.00	0.00	0.00

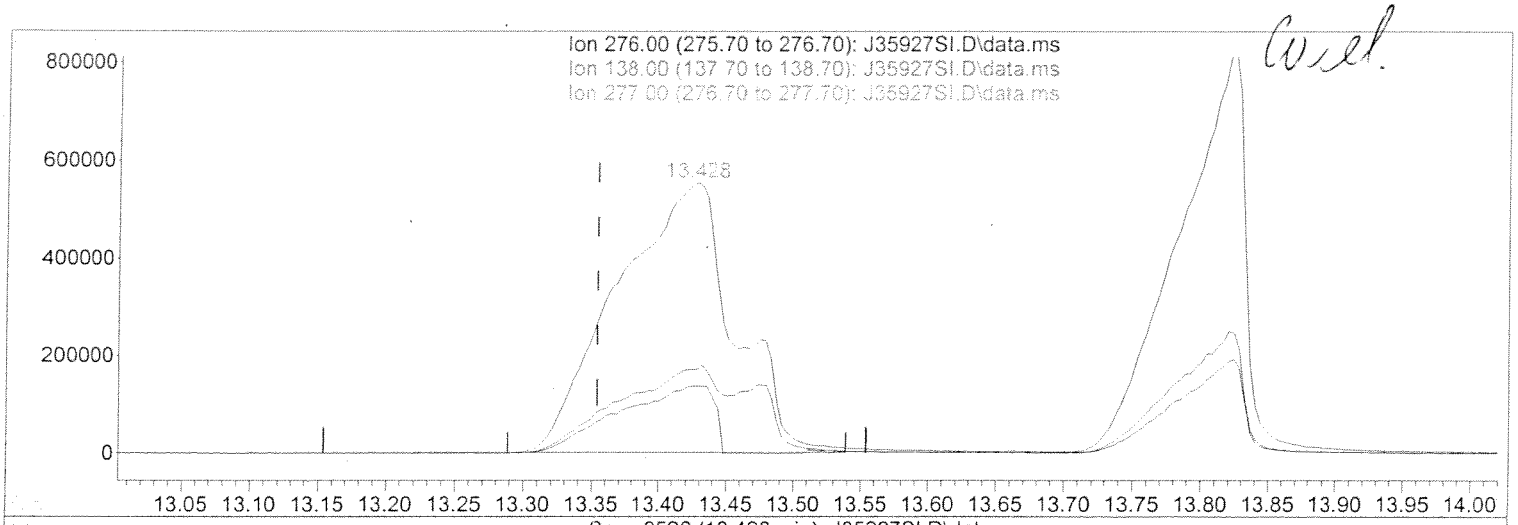
592310

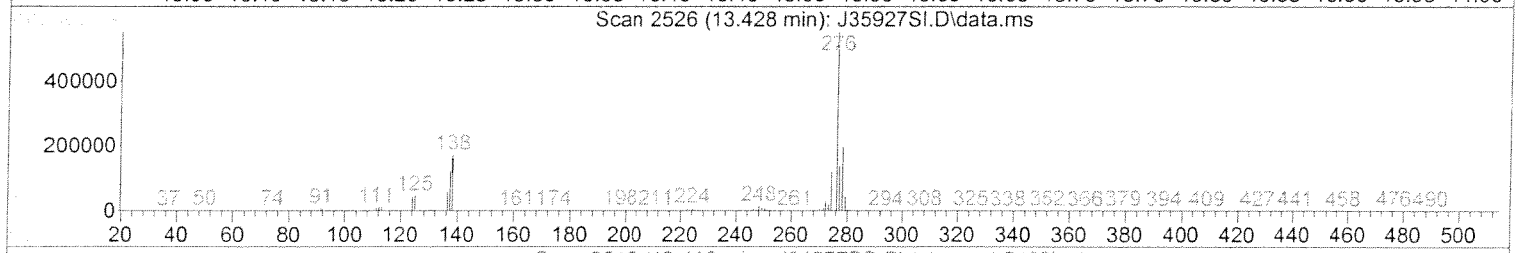
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

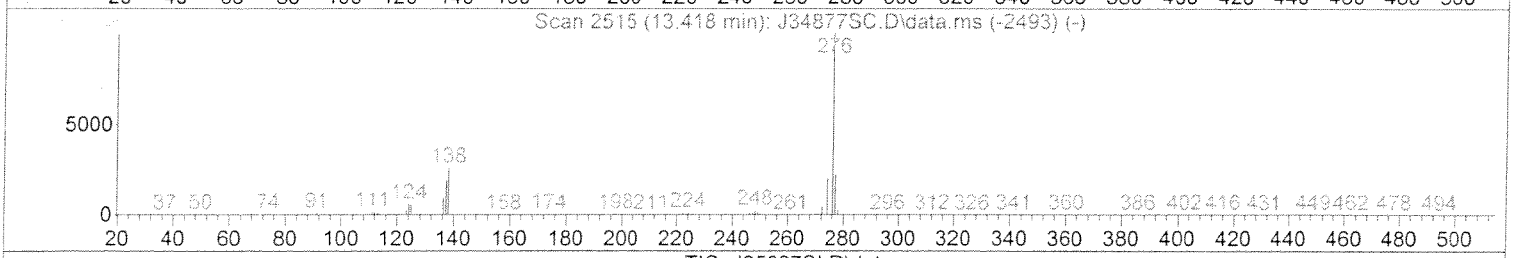
Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MW 9/23/10

Cwel.







TIC: J35927SI.D\data.ms

(19) Indeno [1,2,3-cd] pyrene (TM)

13.428min (+0.074) 112.53ug/ml

response 3344731

Ion	Exp%	Act%
276.00	100	100
138.00	30.20	35.90
277.00	23.70	20.10
0.00	0.00	0.00

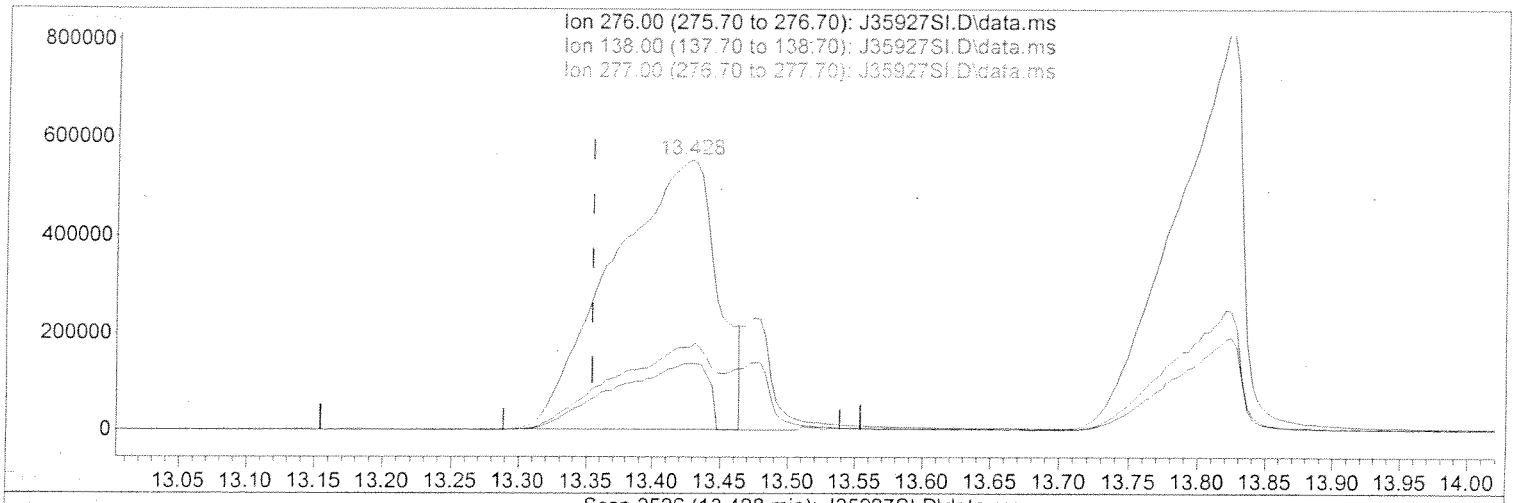
592310

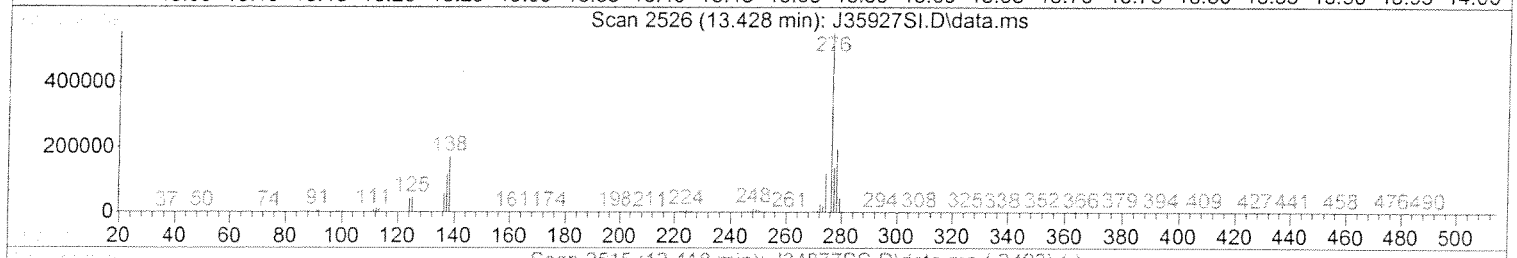
ARM092110.M Wed Sep 22 03:40:20 2010

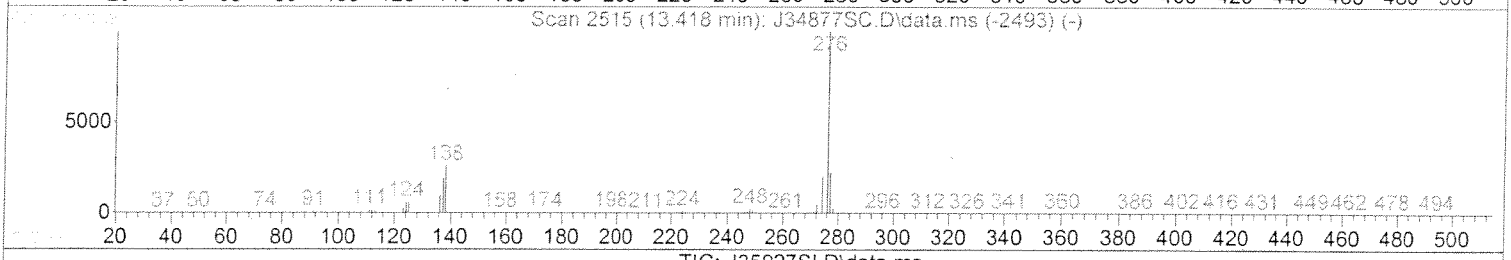
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10







TIC: J35927SI.D\data.ms

(19) Indeno [1,2,3-cd] pyrene (TM)

13.428min (+0.074) 100.89ug/ml m

response 2998642

Ion	Exp%	Act%
276.00	100	100
138.00	30.20	40.04#
277.00	23.70	22.43
0.00	0.00	0.00

592310

MS AROMATIC
2ND SOURCE
CHECK

Data File Name J35928.D
Sample Name S9716 ARO 20 ICV
Date Acquired 9/22/2010 3:45

MV 9/22/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.22	20	106%	OK
2-Methylnaphthalene	21.96	20	110%	OK
Acenaphthylene	21.04	20	105%	OK
Acenaphthene	21.66	20	108%	OK
Fluorene	21.32	20	107%	OK
Phenanthrene	21.23	20	106%	OK
Anthracene	21.72	20	109%	OK
o-terphenyl	18.42	20	92%	OK
Fluoranthene	21.85	20	109%	OK
Pyrene	20.90	20	104%	OK
Benzo[a]anthracene	18.71	20	94%	OK
Chrysene	19.70	20	99%	OK
Benzo[b] fluoranthene	18.55	20	93%	OK
Benzo[k] fluoranthene	18.92	20	95%	OK
Benzo[a] pyrene	19.32	20	97%	OK
Indeno [1,2,3-cd] pyrene	18.66	20	93%	OK
Dibenz [a,h] anthracene	18.67	20	93%	OK
Benzo(g,h,i) perylene	18.35	20	92%	OK

S9230

9/22/2010 4:03 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARM ICVPRCT.CRT

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35928.D
Acq On : 22 Sep 2010 3:45 am
Operator : AR/MG
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 22 04:02:42 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

9/22/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	105542	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.440	172	297	0.01 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 0.05%#		
10) 2-Bromonaphthalene	5.979	206	300	0.02 ug/ml	0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 0.10%#		
11) o-terphenyl	7.480	230	588741	18.42 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 92.10%		

Target Compounds					Qvalue
2) Naphthalene	4.561	128	1044087	21.22 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	594178	21.96 ug/ml	99
4) Acenaphthylene	5.855	152	1111750	21.04 ug/ml	100
5) Acenaphthene	5.991	154	619389	21.66 ug/ml	99
6) Fluorene	6.413	166	777427	21.32 ug/ml	100
7) Phenanthrene	7.175	178	1126282	21.23 ug/ml	100
8) Anthracene	7.218	178	1139204	21.72 ug/ml	100
12) Fluoranthene	8.136	202	1249245	21.85 ug/ml	100
13) Pyrene	8.328	202	1262818	20.90 ug/ml	100
14) Benzo[a]anthracene	9.609	228	944209	18.71 ug/ml	98
15) Chrysene	9.653	228	972346	19.70 ug/ml	99
16) Benzo[b] fluoranthene	11.109	252	822050	18.55 ug/ml	99
17) Benzo[k] fluoranthene	11.157	252	830499	18.92 ug/ml	98
18) Benzo[a] pyrene	11.595	252	816358	19.32 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.349	276	633279	18.66 ug/ml	99
20) Dibenz [a,h] anthracene	13.417	278	606077	18.67 ug/ml	99
21) Benzo(g,h,i) perylene	13.754	276	673559	18.35 ug/ml	99

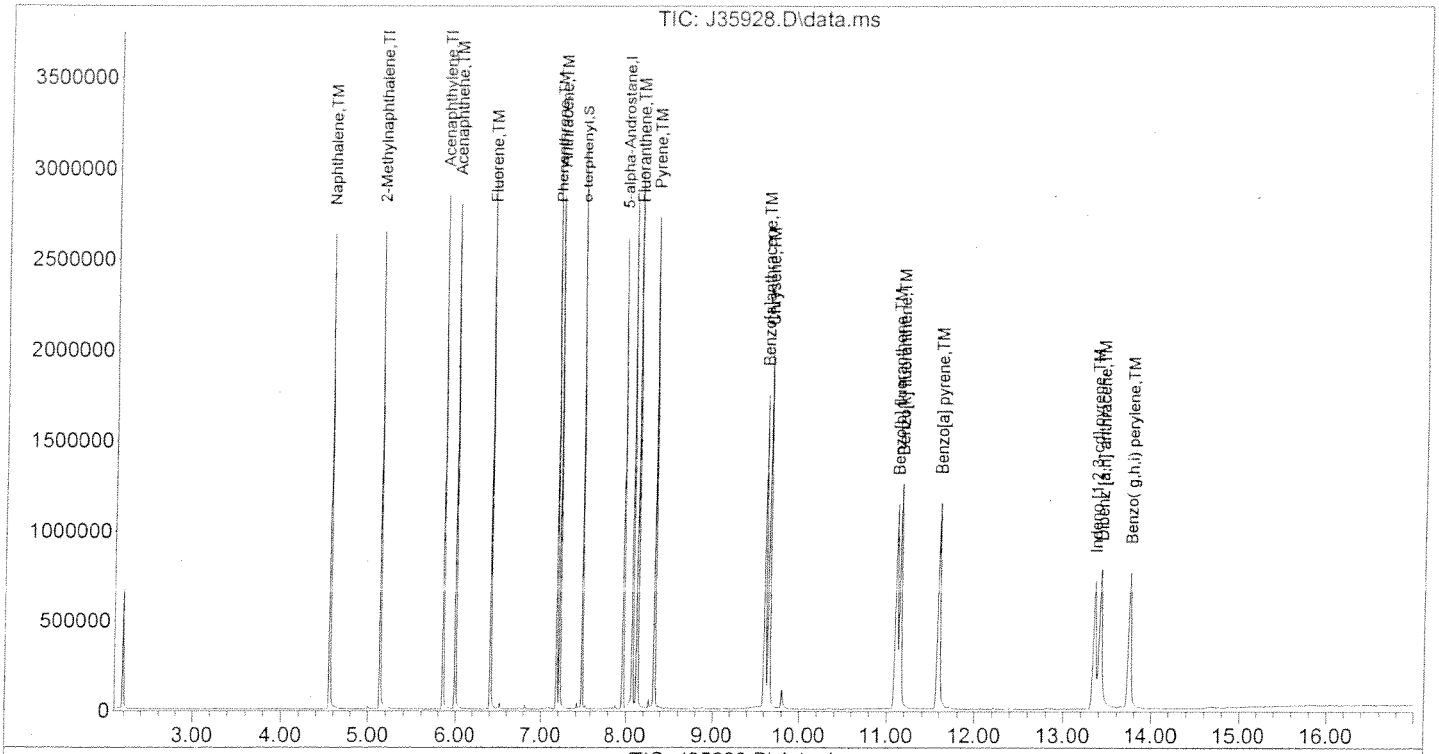
(#) = qualifier out of range (m) = manual integration (+) = signals summed

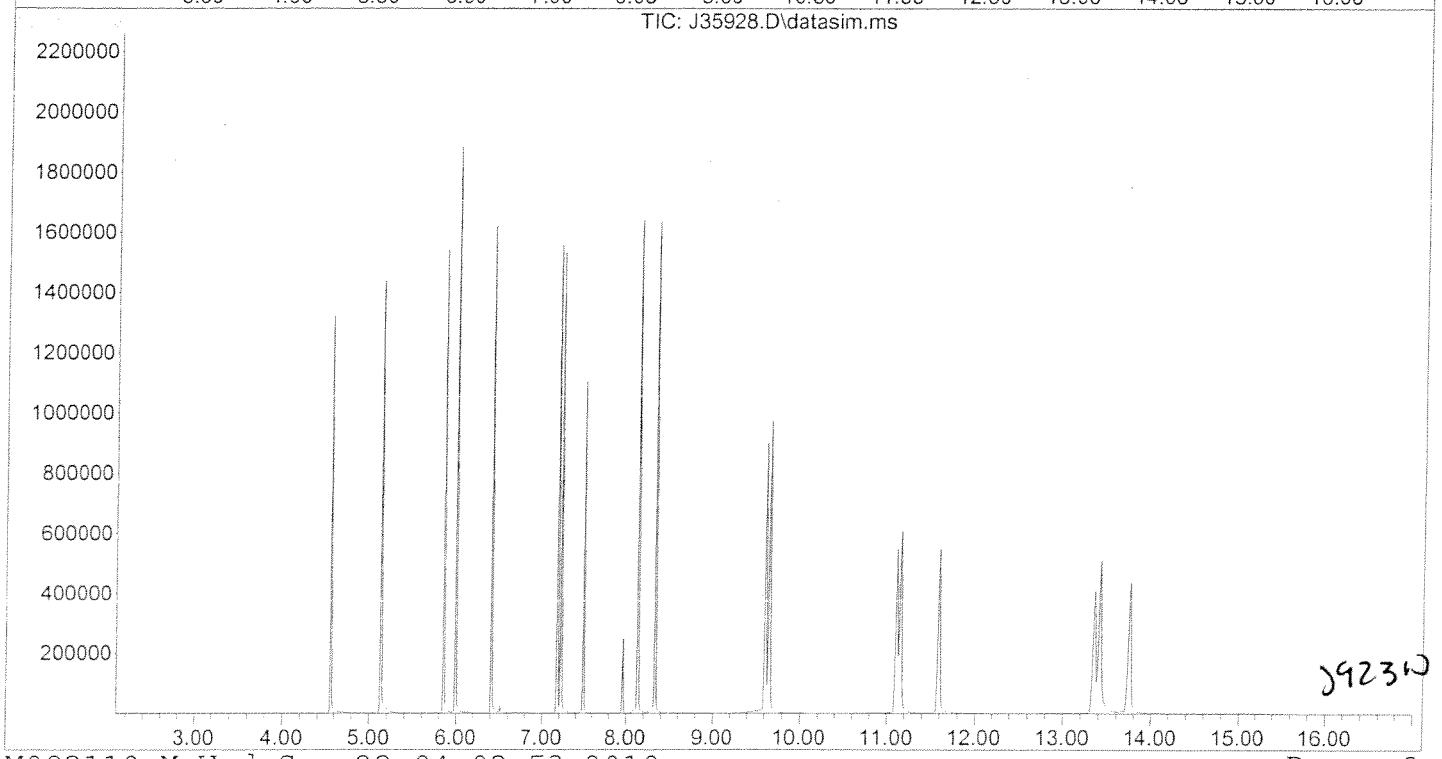
J923W

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35928.D
Acq On : 22 Sep 2010 3:45 am
Operator : AR/MG
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 22 04:02:42 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

9/22/10





J9230

Method Path : C:\msdchem\1\METHODS\
Method File : ARG092110.M
Title : EPH GC AROMATICS
Last Update : Wed Sep 22 04:48:18 2010
Response Via : Initial Calibration

9/23/10

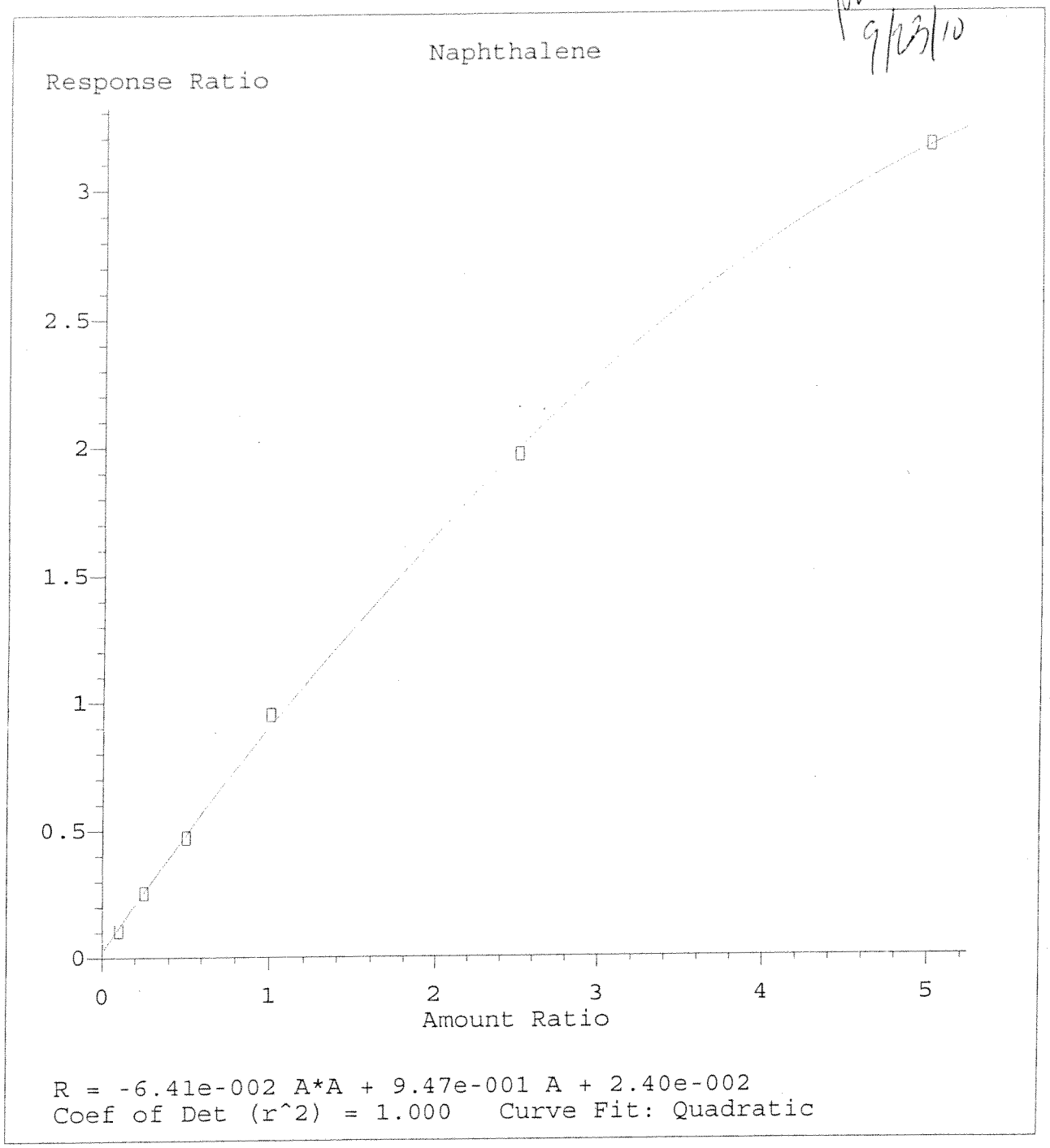
Calibration Files
2 =J35922SI.D 5 =J35923SI.D 10 =J35924SI.D
20 =J35925SI.D 50 =J35926SI.D 100 =J35927SI.D

		Compound	2	5	10	20	50	100	Avg	%RSD
1)	I	5-alpha-Androstane	ISTD							
2)	TZ	Naphthalene	1.061	1.017	0.942	0.951	0.787	0.632	0.898	17.83 Q
3)	TZ	2-Methylnapht...	1.120	1.022	0.966	0.966	0.787	0.635	0.916	19.13
4)	TZ	Acenaphthylene	1.108	1.090	0.996	0.993	0.828	0.674	0.948	17.62
5)	TZ	Acenaphthene	1.401	1.230	1.093	1.065	0.870	0.699	1.060	23.59
6)	TZ	Fluorene	1.296	1.201	1.077	1.089	0.904	0.727	1.049	19.56
7)	TZ	Phenanthrene	1.258	1.241	1.141	1.127	0.916	0.729	1.069	19.30
8)	TZ	Anthracene	1.281	1.221	1.067	1.075	0.851	0.690	1.031	21.70
9)	S	2-Fluorobiphenyl	1.143	1.098	1.017	1.049	0.882	0.727	0.986	15.72
10)	S	2-Bromonaphth...	0.742	0.843	0.800	0.817	0.731	0.608	0.757	11.18
11)	S	o-terphenyl	1.634	1.537	1.366	1.322	1.158	0.946	1.327	18.87 Q
12)	TZ	Fluoranthene	1.500	1.335	1.257	1.217	0.966	0.817	1.182	21.11
13)	TZ	Pyrene	1.428	1.342	1.277	1.250	1.022	0.847	1.194	18.22
14)	TZ	Benzo[a]anthr...	1.170	1.137	1.085	1.079	0.942	0.813	1.038	12.99
15)	TZ	Chrysene	1.250	1.231	1.149	1.119	0.939	0.777	1.078	17.10 Q
16)	TZ	Benzo[b] fluo...	1.143	1.034	0.965	0.969	0.868	0.790	0.961	12.87
17)	TZ	Benzo[k] fluo...	1.132	1.064	1.010	0.968	0.861	0.716	0.959	15.65
18)	TZ	Benzo[a] pyrene	0.964	0.952	0.975	0.969	0.839	0.754	0.909	10.08
19)	TZ	Indeno [1,2,3...	0.794	0.768	0.746	0.768	0.732	0.779	0.765	2.96
20)	TZ	Dibenz [a,h] ...	1.076	0.985	0.920	0.866	0.753	0.495	0.849	24.12 Q
21)	TZ	Benzo(g,h,i)...	0.951	0.959	0.889	0.872	0.804	0.670	0.857	12.58
22)	XH	c11-c22	1.173	1.107	1.033	1.020	0.863	0.720	0.986	✓16.89

(#) = Out of Range

J92310

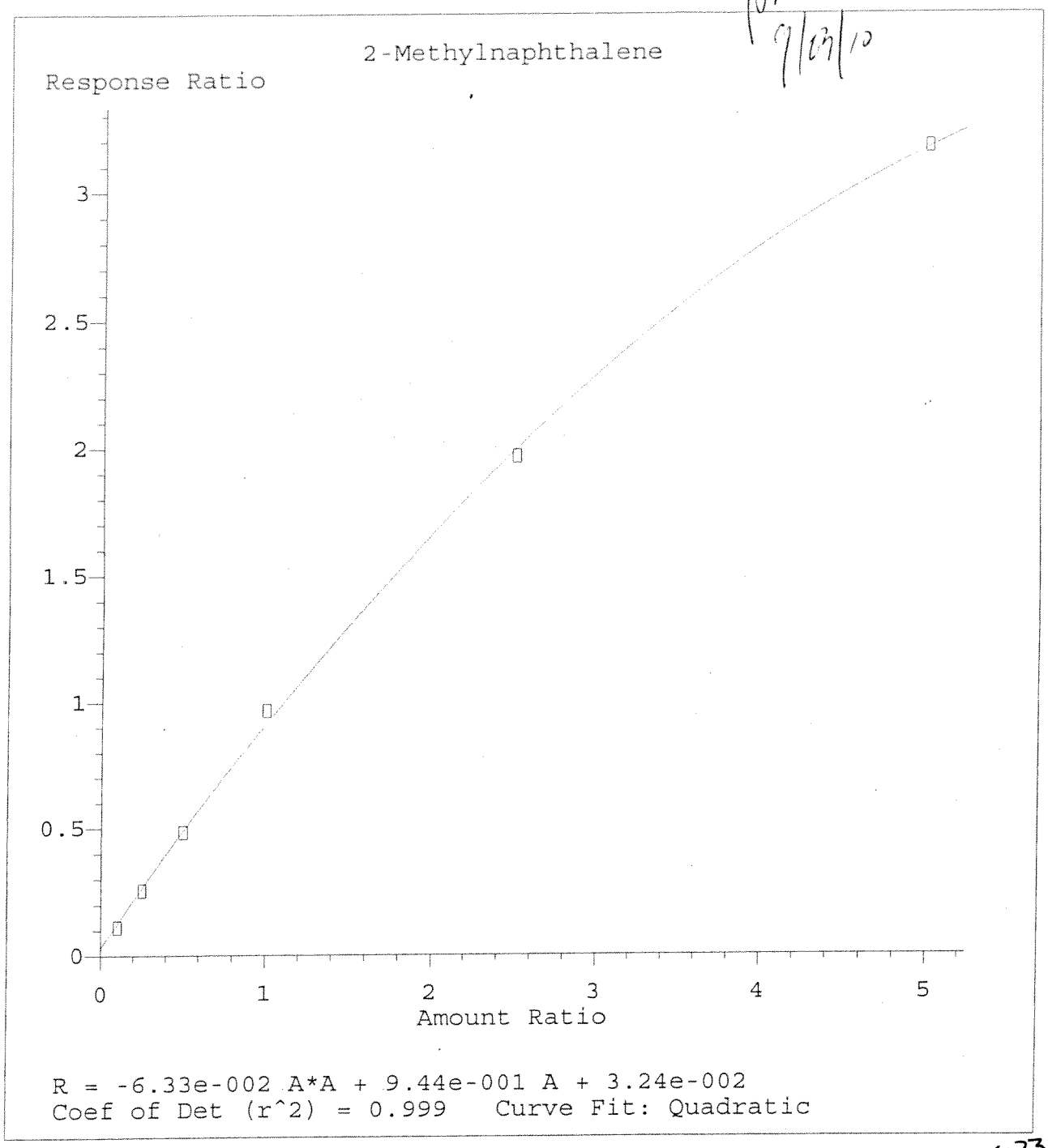
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:40:33 2010

J923W

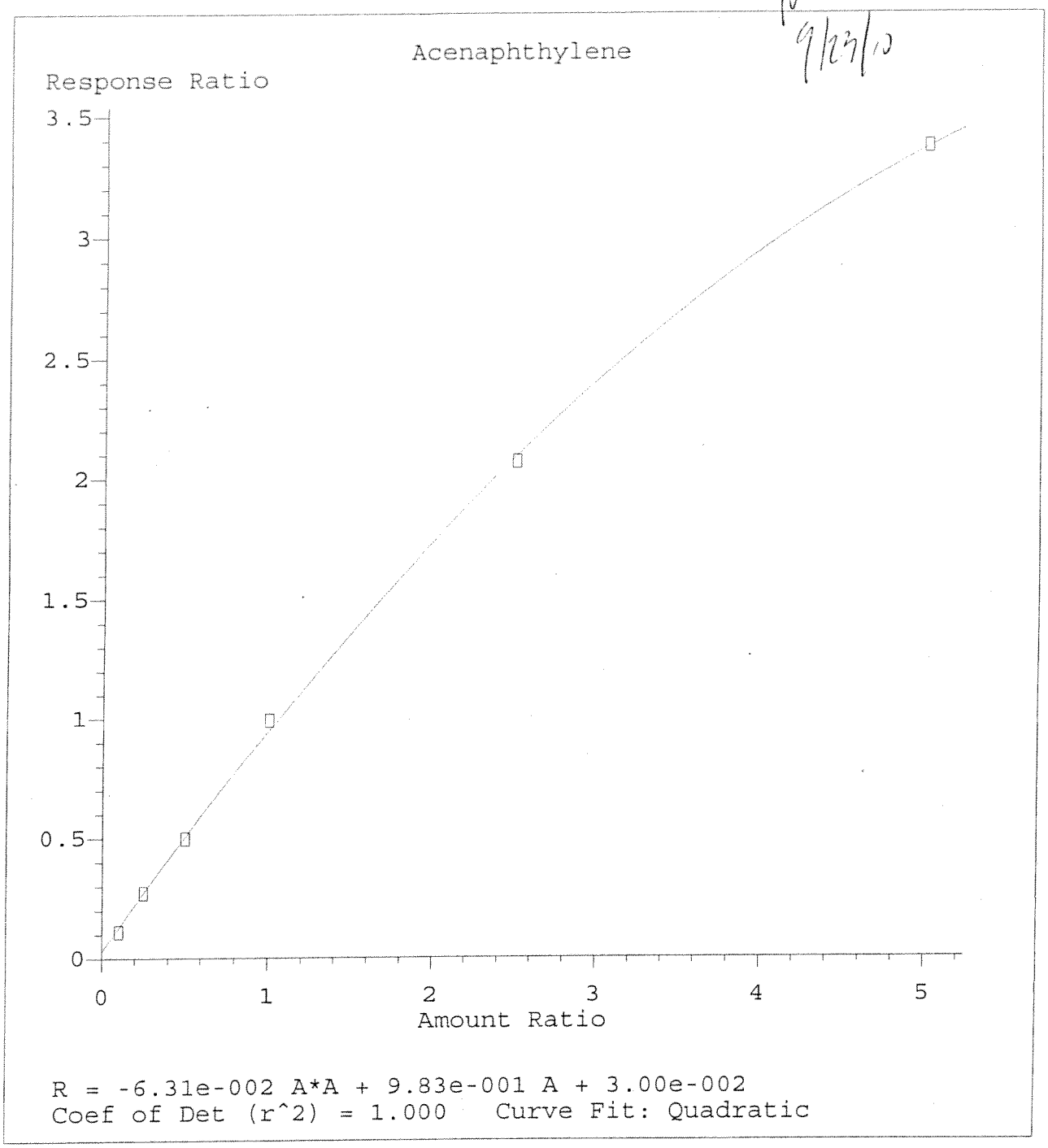
9/23/10



J92310

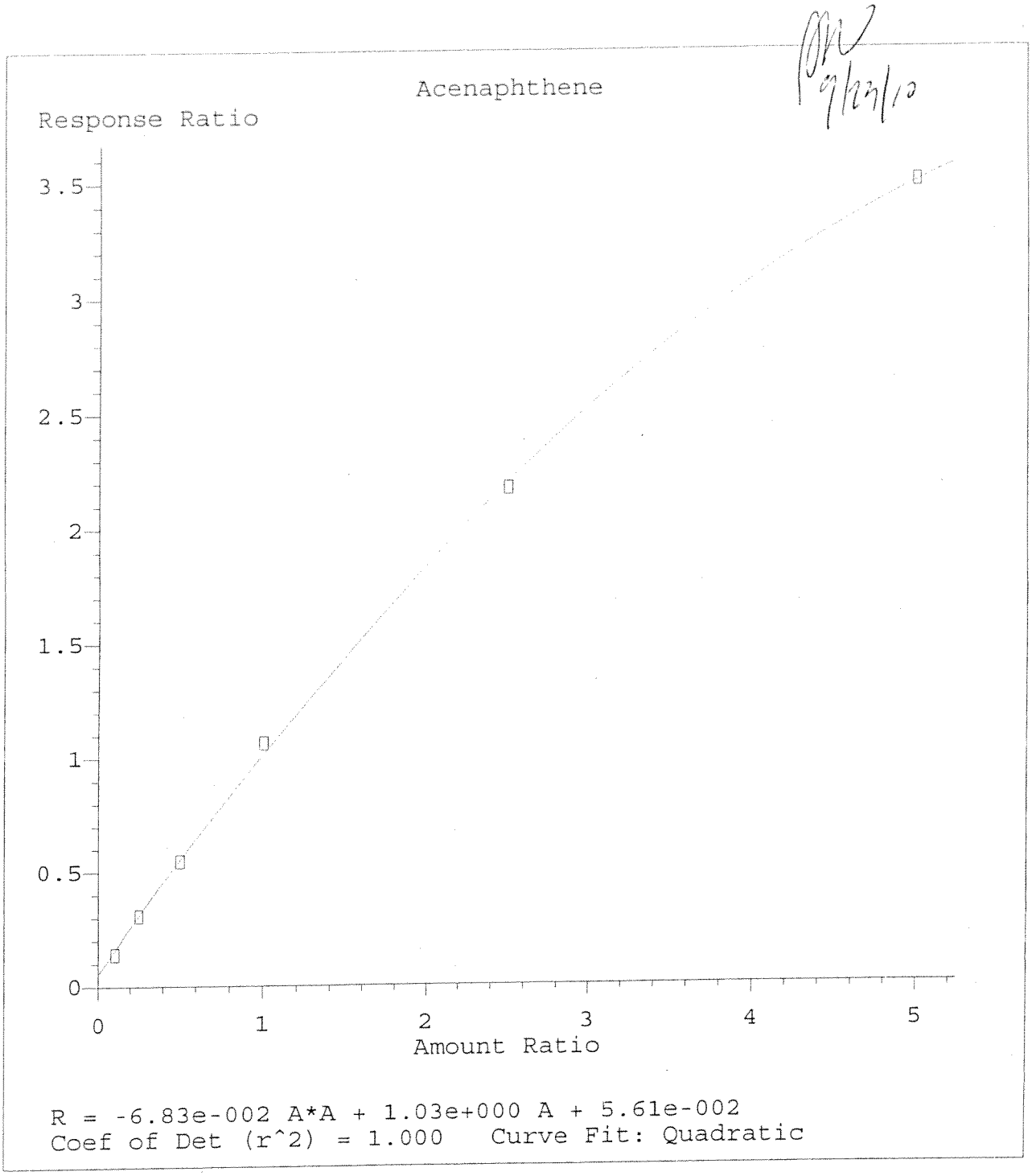
Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:01 2010

9/23/10

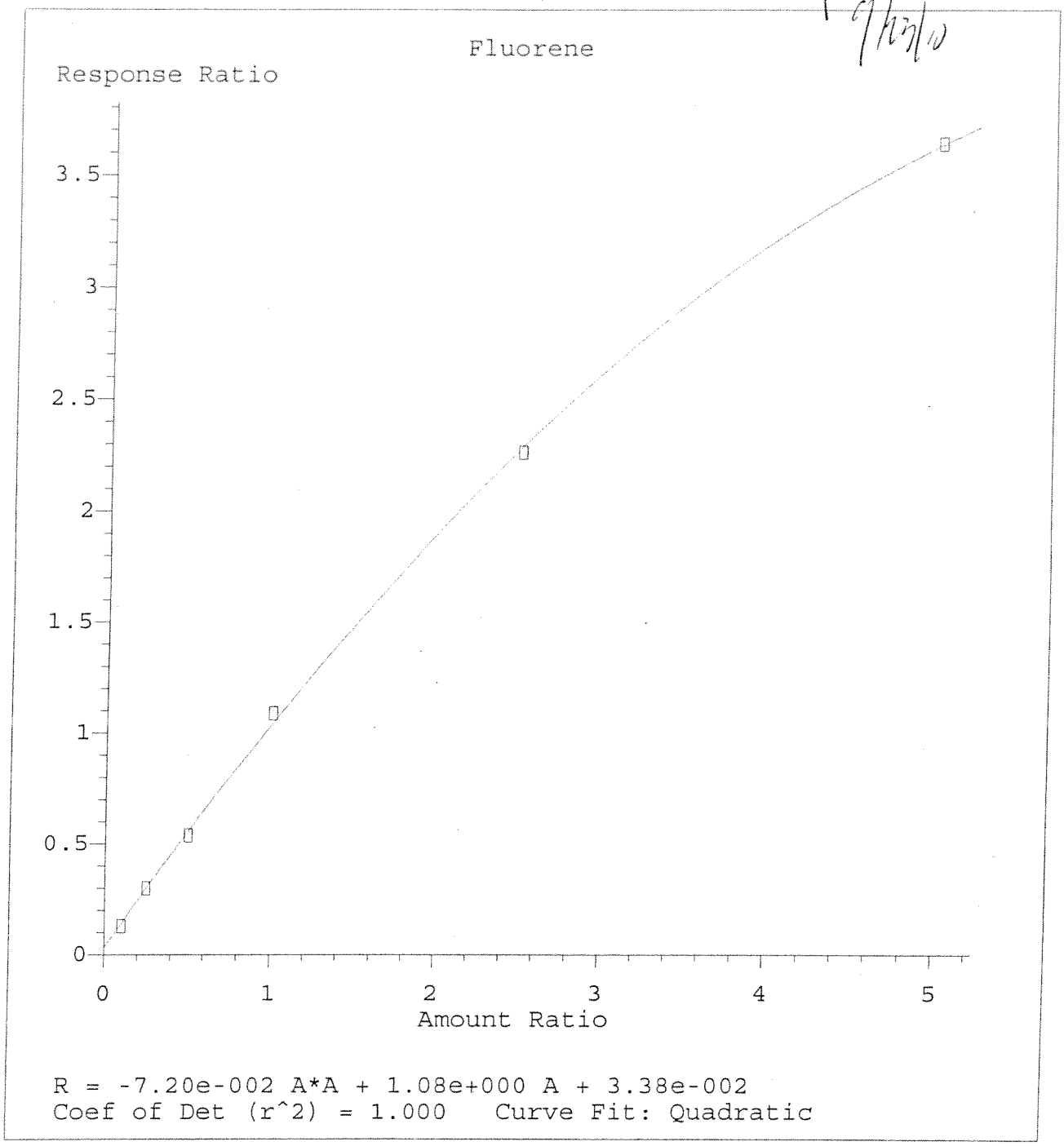


Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:07 2010

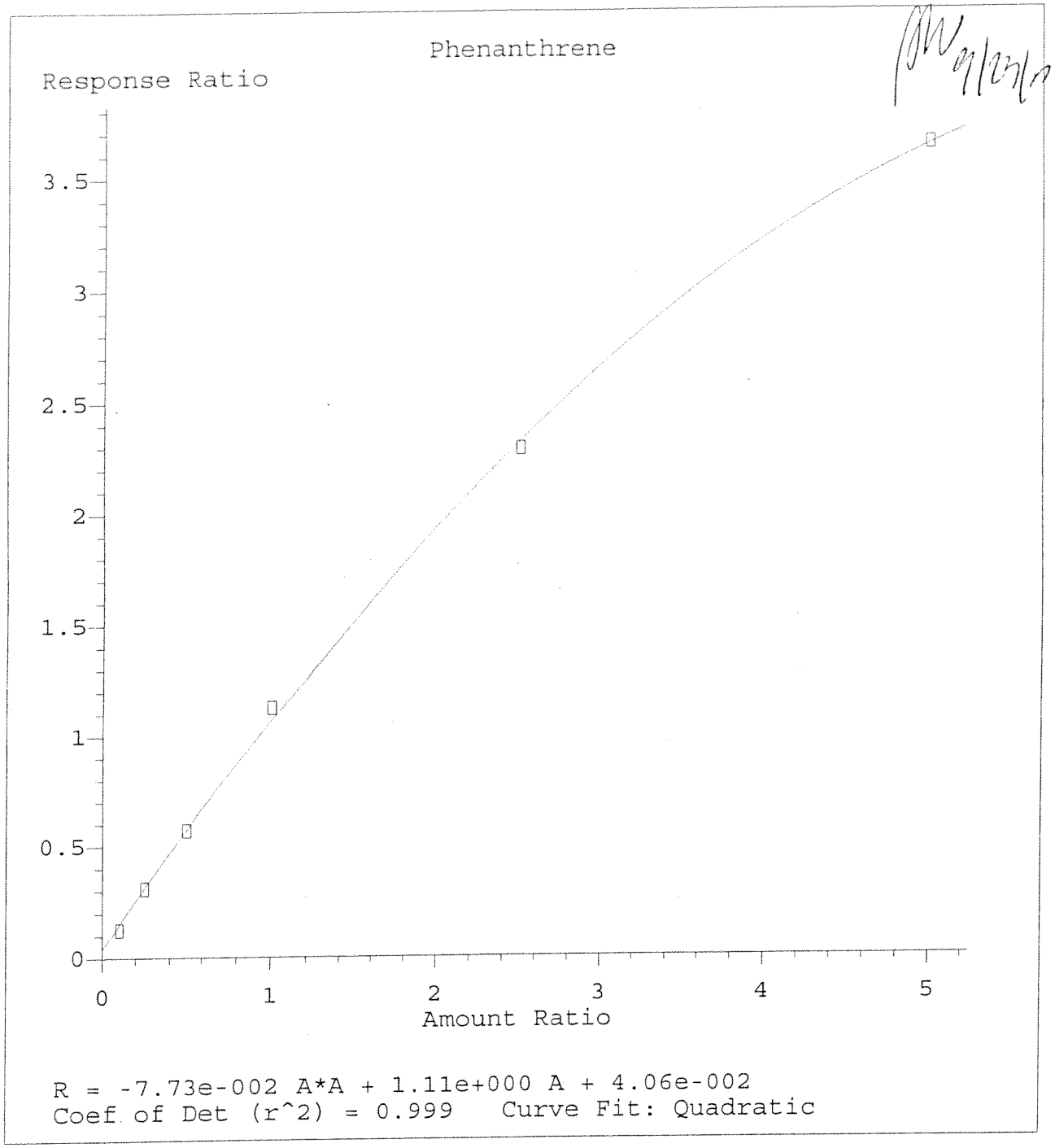
092310



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:12 2010

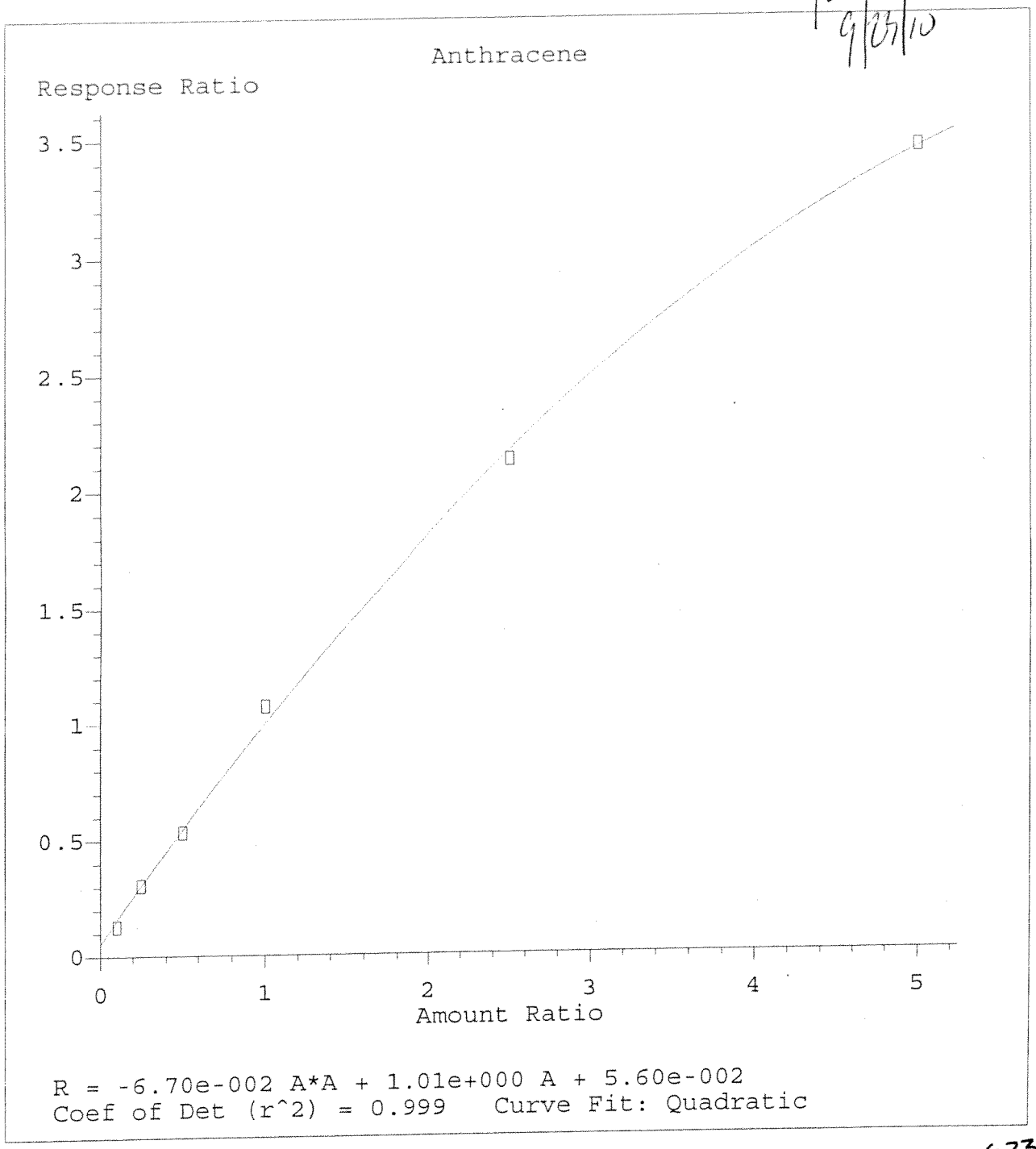


Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:19 2010



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:05 2010 092310

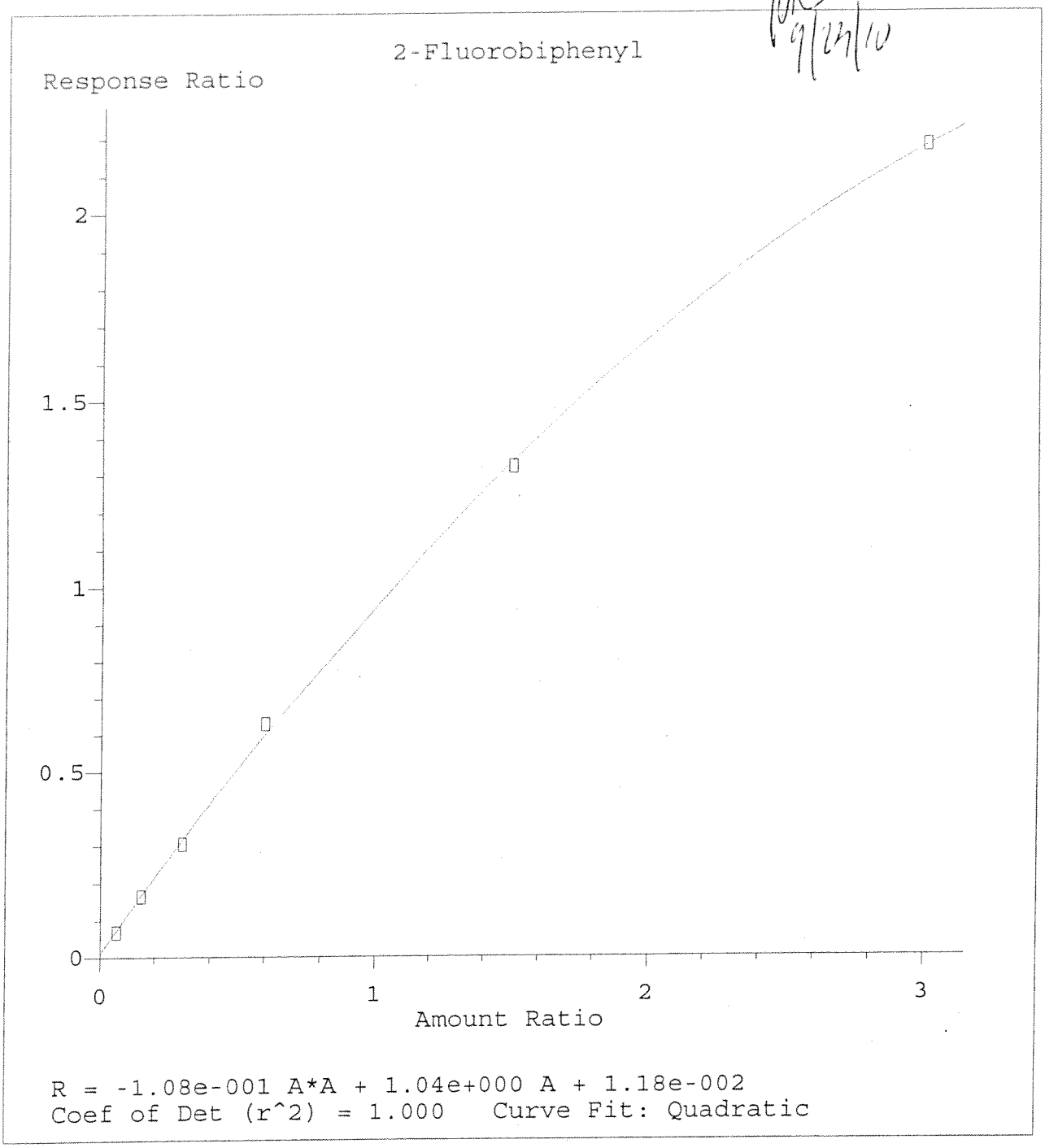
BN 9/23/10



092310

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:11 2010

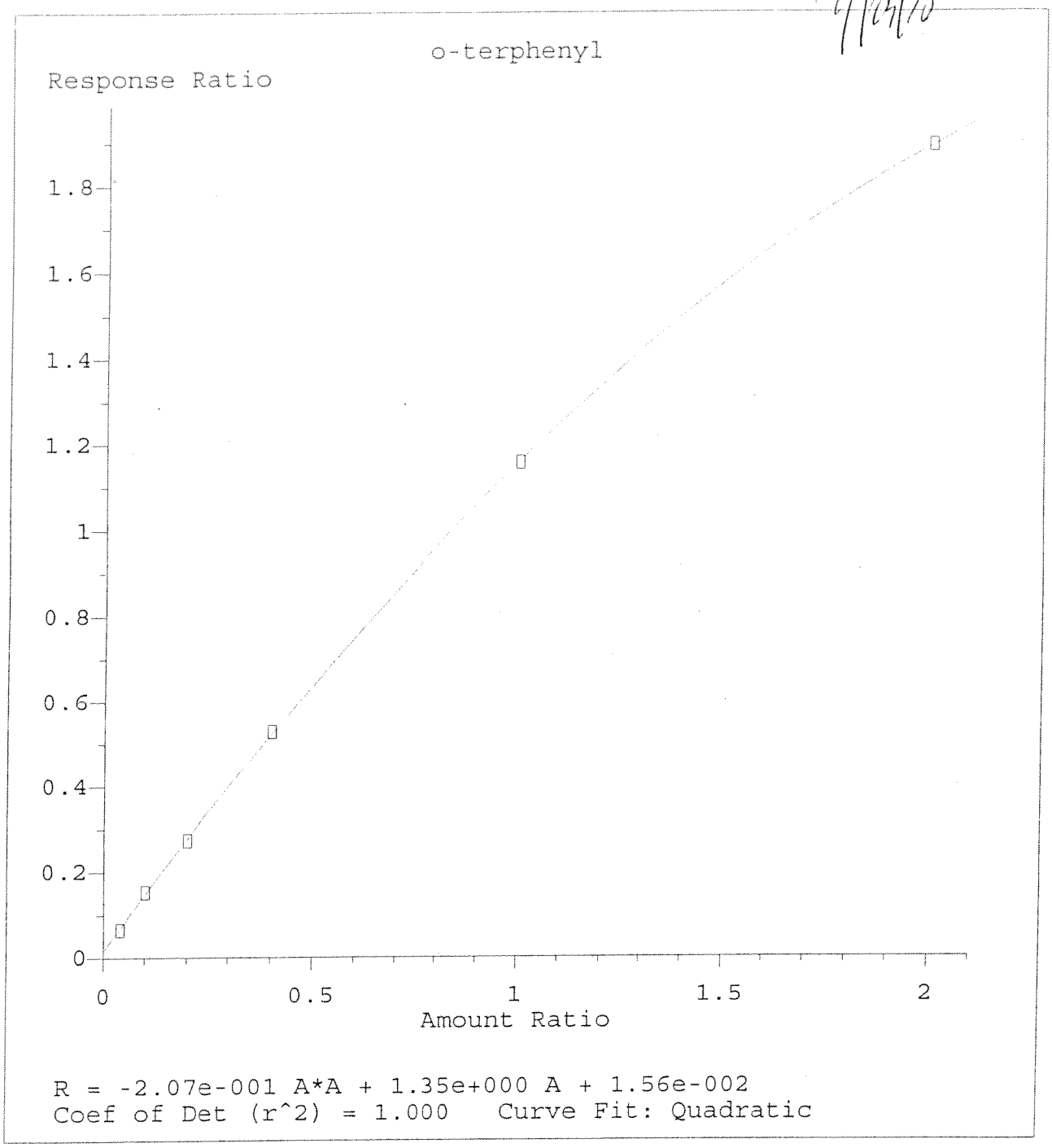
9/22/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:16 2010

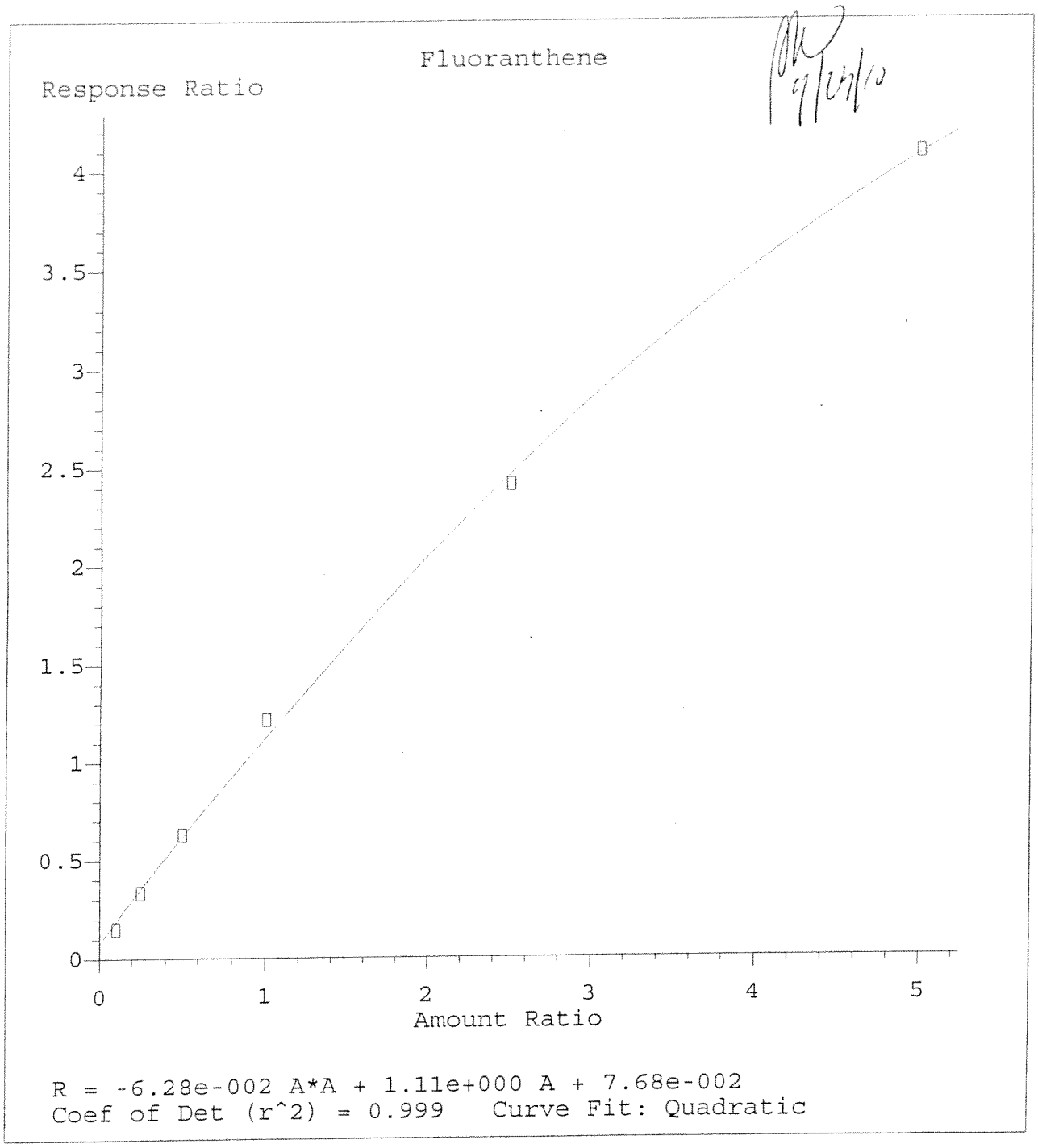
J42310

9/23/10



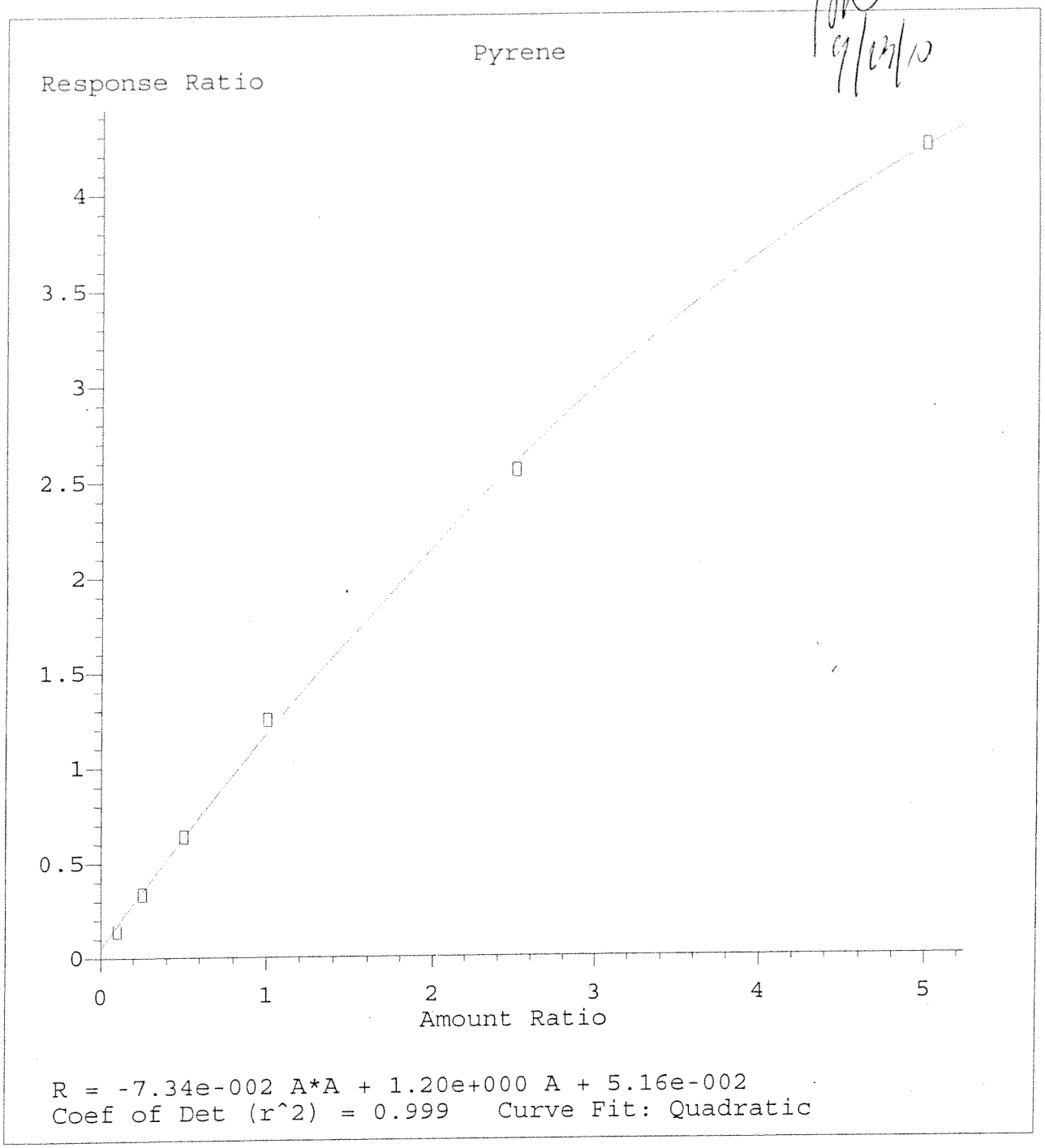
Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:21 2010

JG 23W



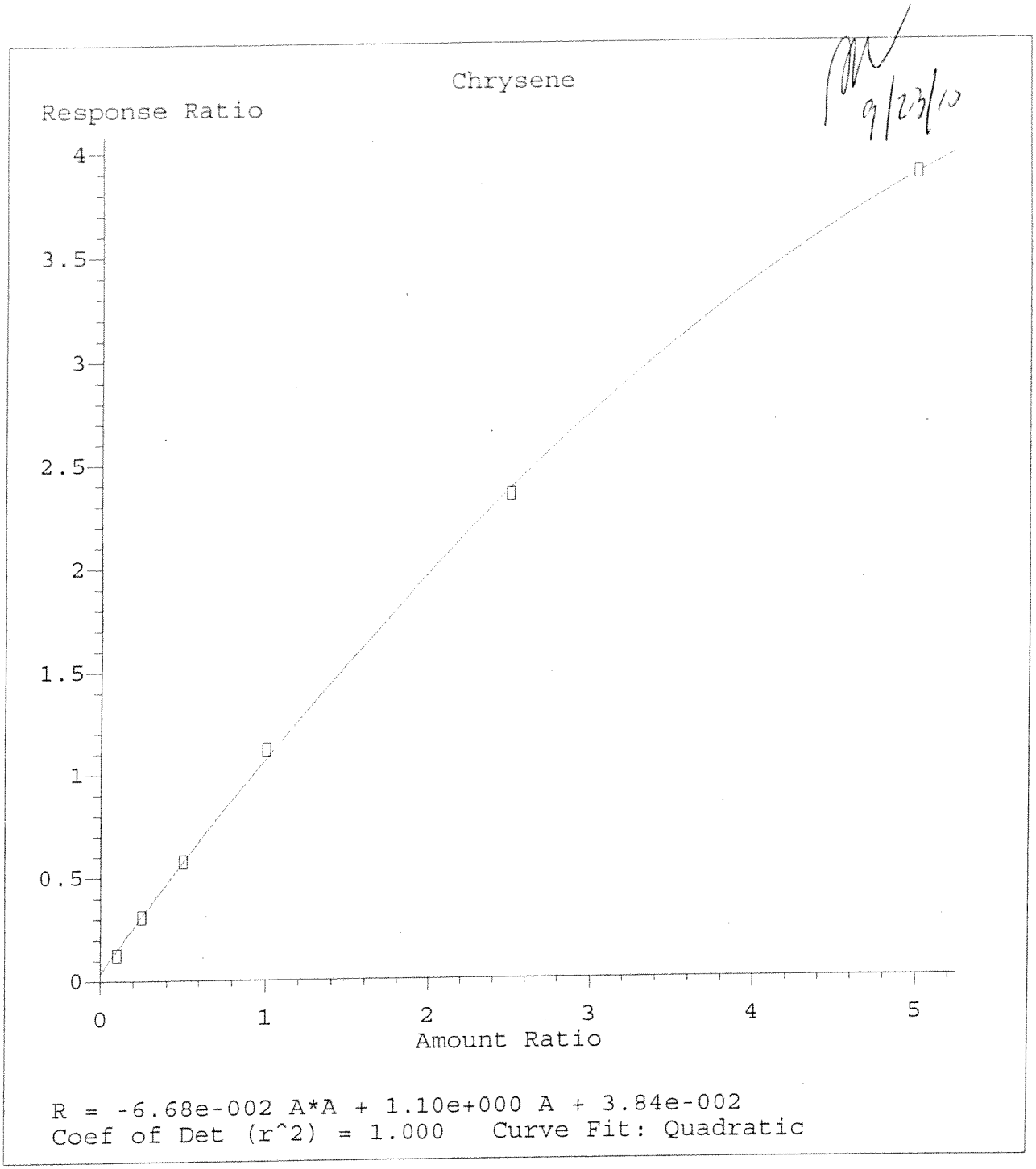
Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:28 2010

9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:32 2010

092310

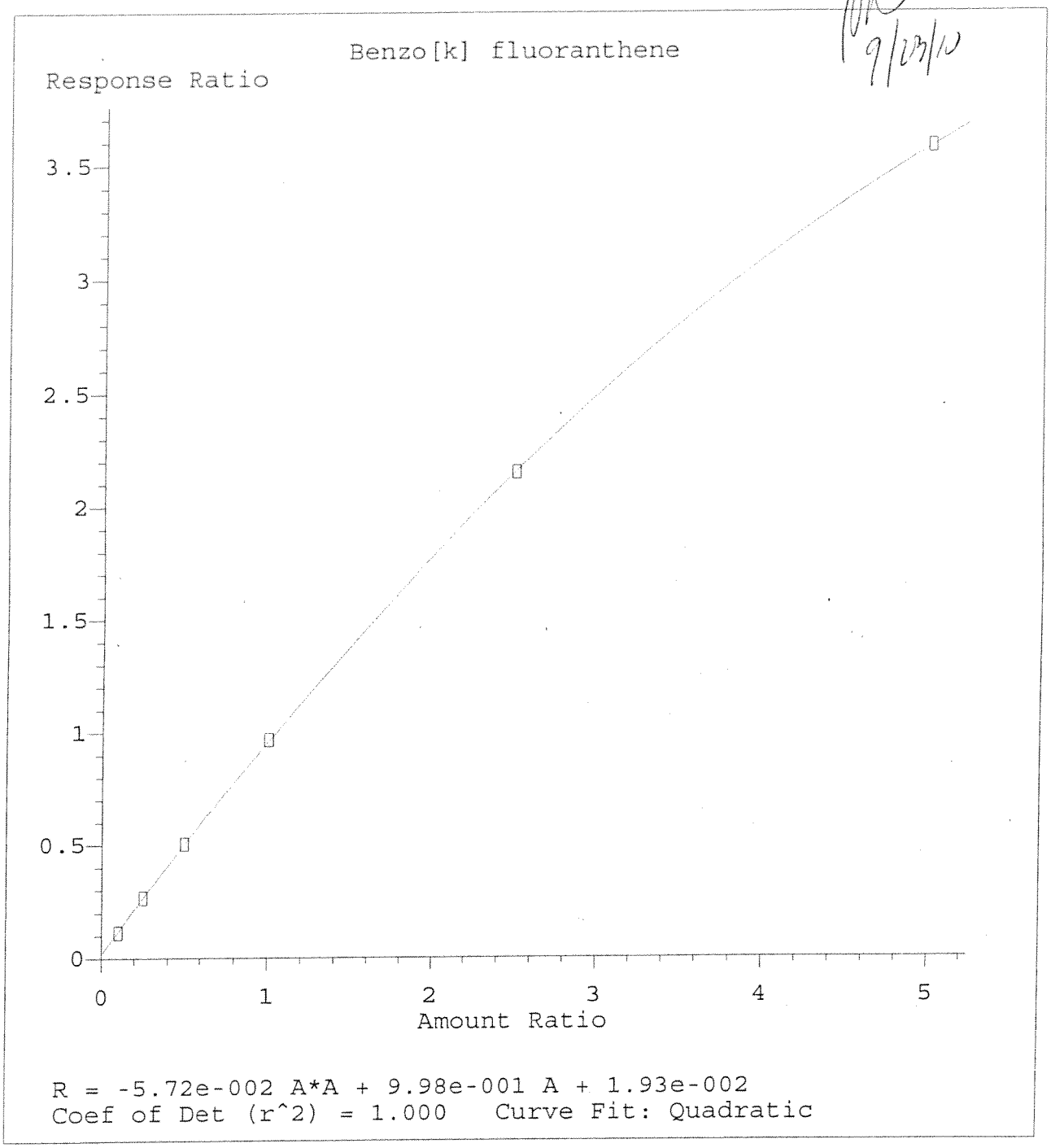


9/23/10

S923W

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:37 2010

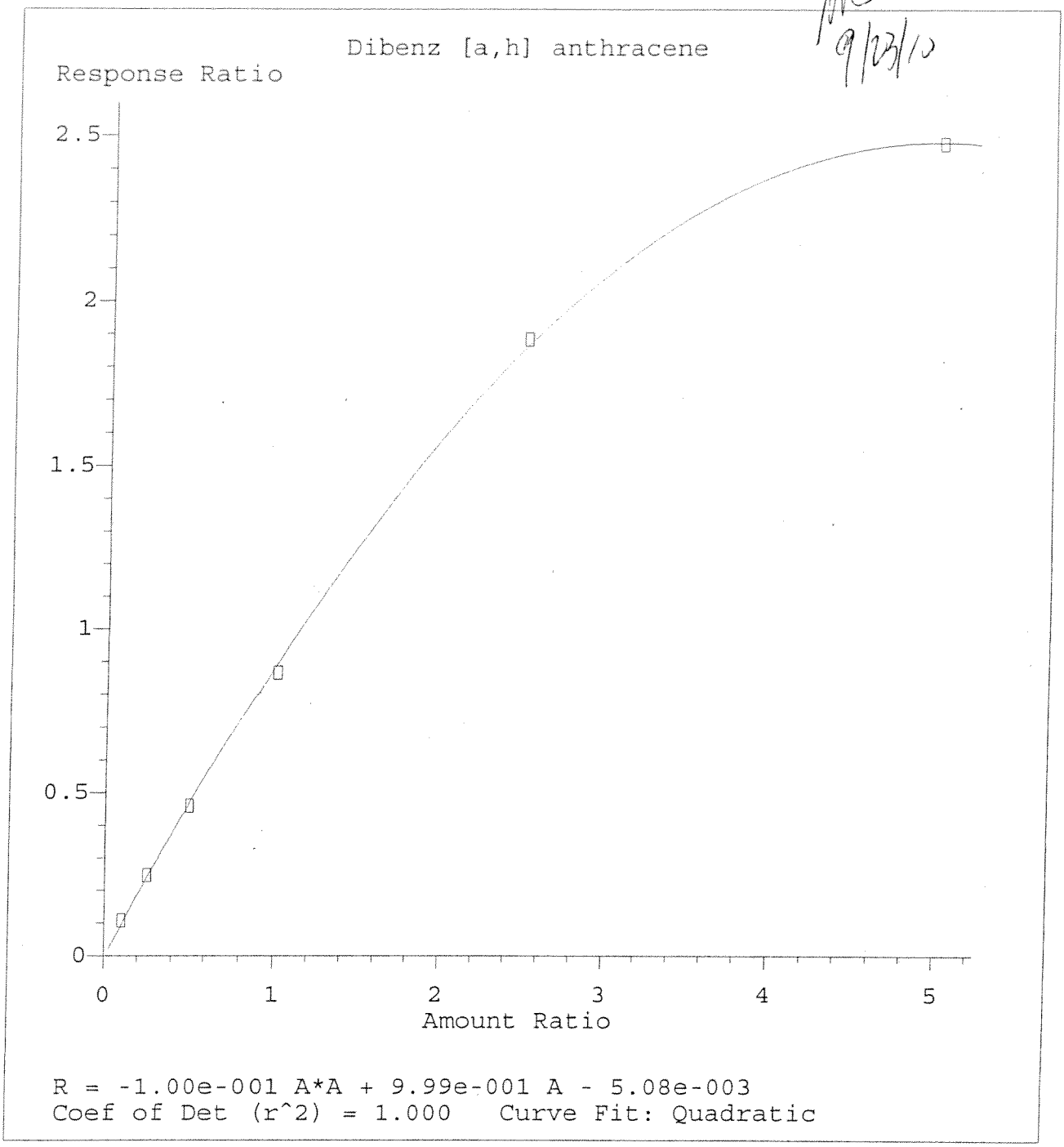
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:46 2010

092310

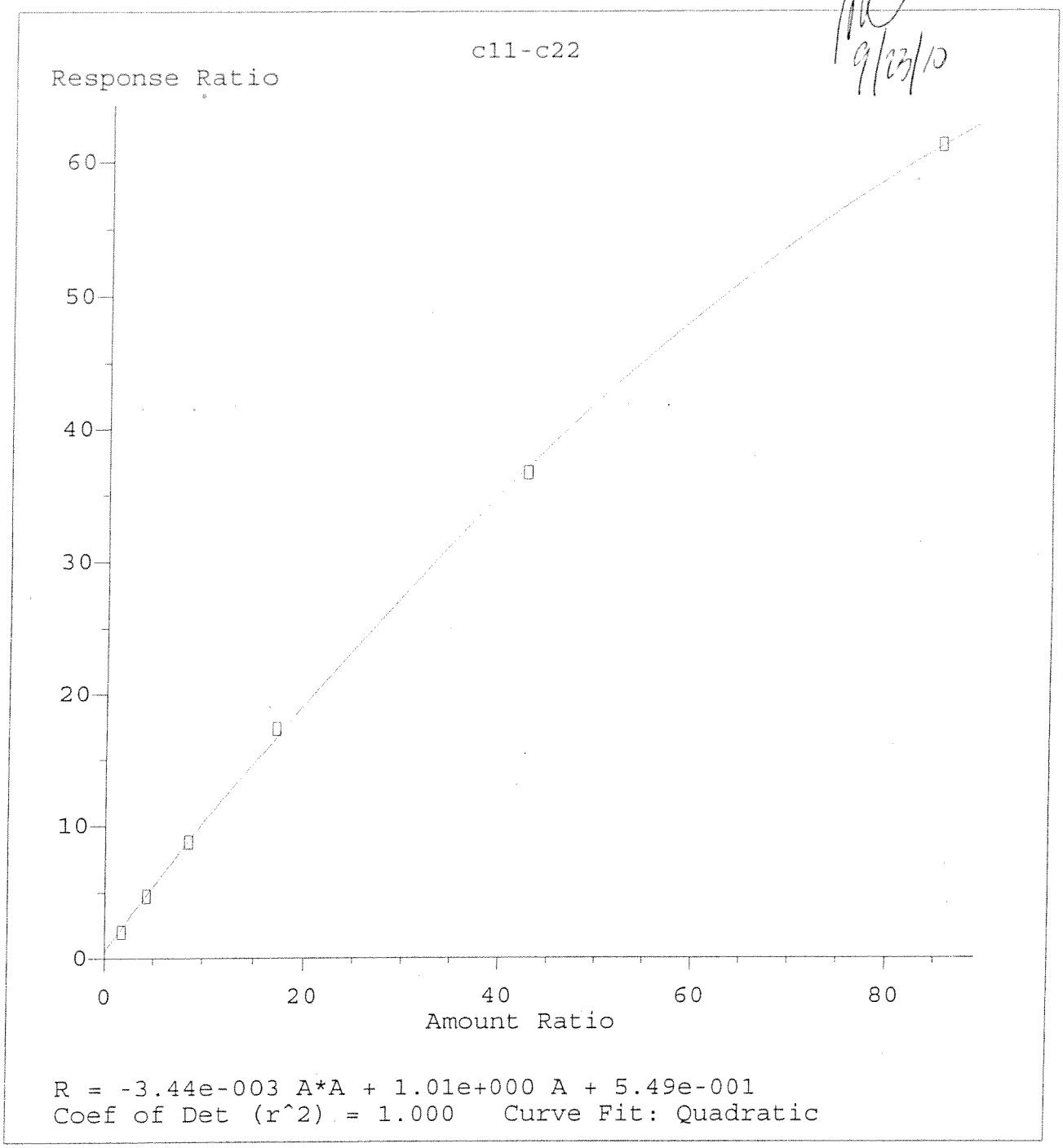
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:54 2010

5923W

MC 9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:44:05 2010

592300

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35922SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:27 am
Operator : AR/MG
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:51 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MC 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	22928836	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.439	1572111	1.476 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	7.38%#
10) S 2-Bromonaphthalene	5.967	1021466	1.308 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	6.54%#
11) S o-terphenyl	7.480	1499057	1.023 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	5.11%#
Target Compounds			
2) TZ Naphthalene	4.561	2433384	2.311 ug/ml
3) TZ 2-Methylnaphthalene	5.132	2569036	2.186 ug/ml
4) TZ Acenaphthylene	5.852	2540497	2.559 ug/ml
5) TZ Acenaphthene	5.993	3211667	1.929 ug/ml
6) TZ Fluorene	6.412	2970480	2.277 ug/ml
7) TZ Phenanthrene	7.177	2883331	2.554 ug/ml
8) TZ Anthracene	7.218	2937935	1.924 ug/ml
12) TZ Fluoranthene	8.133	3438983	2.614 ug/ml
13) TZ Pyrene	8.327	3274310	2.402 ug/ml
14) TZ Benzo[a]anthracene	9.604	2682202	2.286 ug/ml
15) TZ Chrysene	9.647	2866168	2.226 ug/ml
16) TZ Benzo[b] fluoranthene	✓11.097	2621453	2.583 ug/ml
17) TZ Benzo[k] fluoranthene	11.141	2596322	2.199 ug/ml
18) TZ Benzo[a] pyrene	11.585	2211317	2.059 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.333	1821277	2.275 ug/ml
20) TZ Dibenz [a,h] anthracene	13.398	2467505	3.273 ug/ml
21) TZ Benzo(g,h,i) perylene	13.728	2179569	2.150 ug/ml
22) XH c11-c22	12.565	74583549	68.249 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

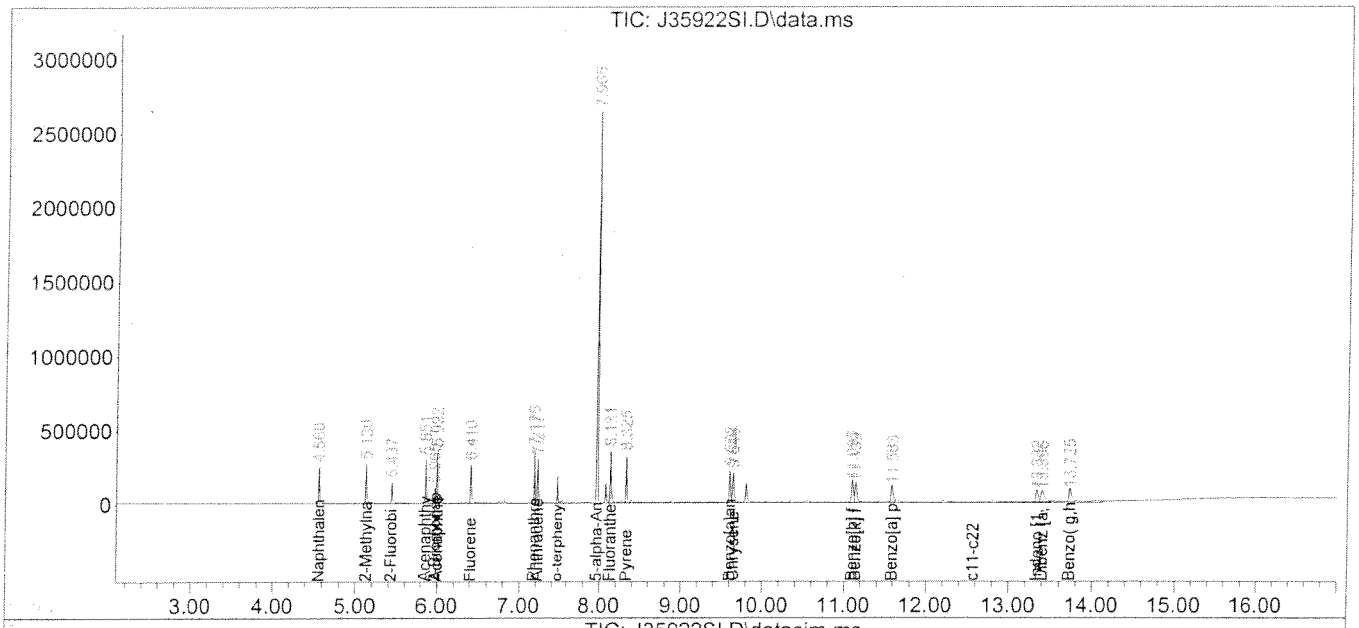
092310

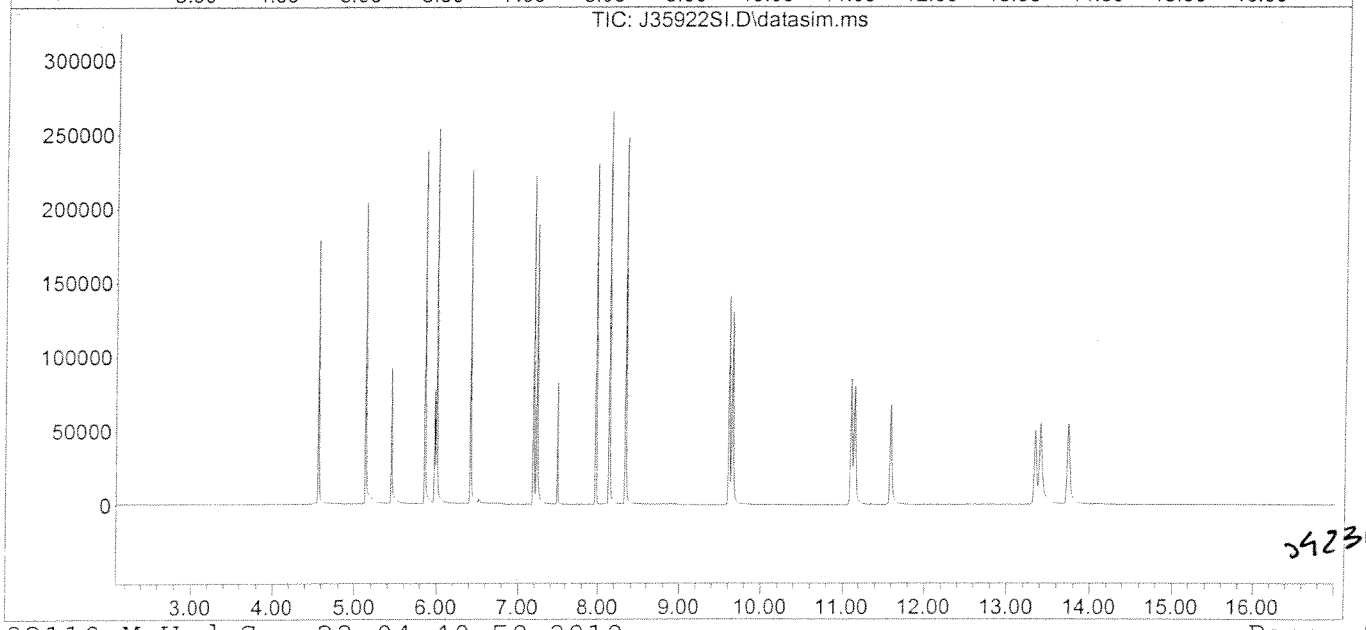
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35922SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:27 am
Operator : AR/MG
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:51 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092310

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35923SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:50 am
Operator : AR/MG
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:52 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MK
9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	23619712	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	3890246	3.547 ug/ml
Spiked Amount 20.000	Range 40 - 140	Recovery =	17.73%#
10) S 2-Bromonaphthalene	5.965	2987392	3.714 ug/ml
Spiked Amount 20.000	Range 40 - 140	Recovery =	18.57%#
11) S o-terphenyl	7.480	3630266	2.405 ug/ml
Spiked Amount 20.000	Range 40 - 140	Recovery =	12.03%#
Target Compounds			
2) TZ Naphthalene	4.561	6003017	5.713 ug/ml
3) TZ 2-Methylnaphthalene	5.131	6032519	5.367 ug/ml
4) TZ Acenaphthylene	5.852	6434922	6.293 ug/ml
5) TZ Acenaphthene	5.993	7260127	5.418 ug/ml
6) TZ Fluorene	6.410	7092714	5.552 ug/ml
7) TZ Phenanthrene	7.176	7327160	6.300 ug/ml
8) TZ Anthracene	7.217	7211768	5.572 ug/ml
12) TZ Fluoranthene	8.133	7881059	5.816 ug/ml
13) TZ Pyrene	8.327	7924744	5.643 ug/ml
14) TZ Benzo[a]anthracene	9.605	6714404	5.554 ug/ml
15) TZ Chrysene	9.649	7267978	5.480 ug/ml
16) TZ Benzo[b] fluoranthene	11.100	6104610	5.838 ug/ml
17) TZ Benzo[k] fluoranthene	11.143	6285793	5.169 ug/ml
18) TZ Benzo[a] pyrene	11.585	5619057	5.079 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.335	4535192	5.498 ug/ml
20) TZ Dibenz [a,h] anthracene	13.400	5813925	5.578 ug/ml
21) TZ Benzo(g,h,i) perylene	13.730	5660534	5.421 ug/ml
22) XH c11-c22	12.565	140051758	124.408 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

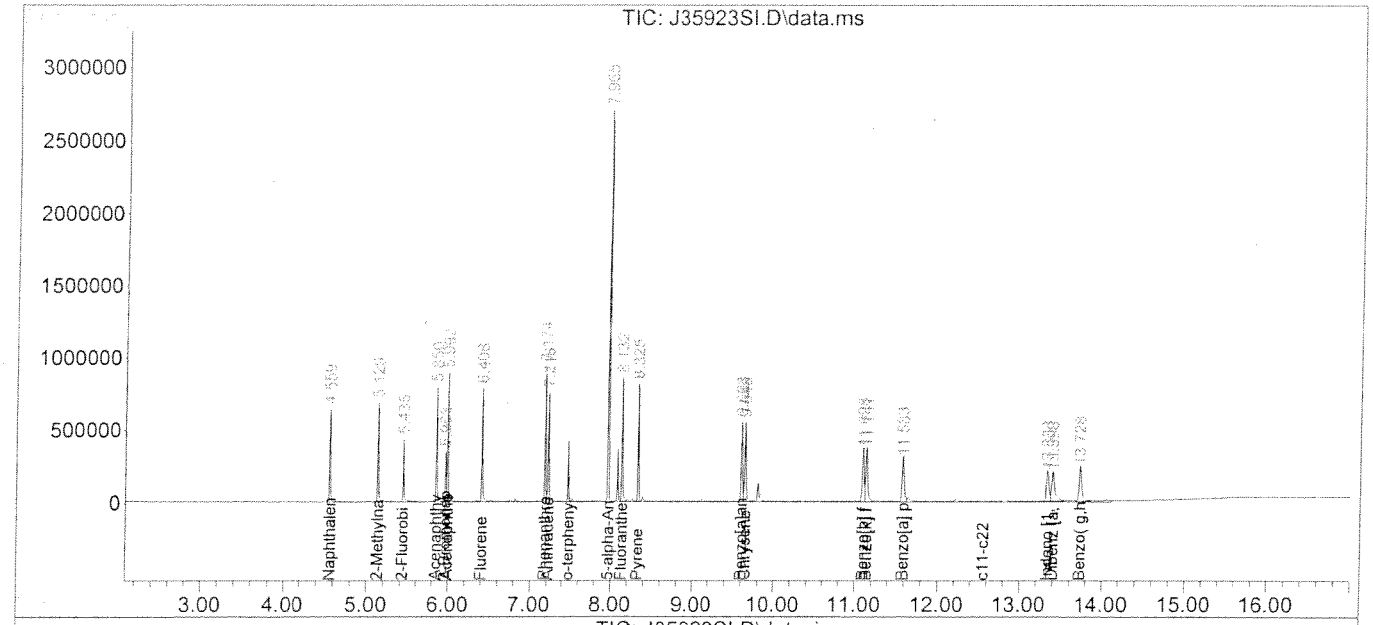
J92310

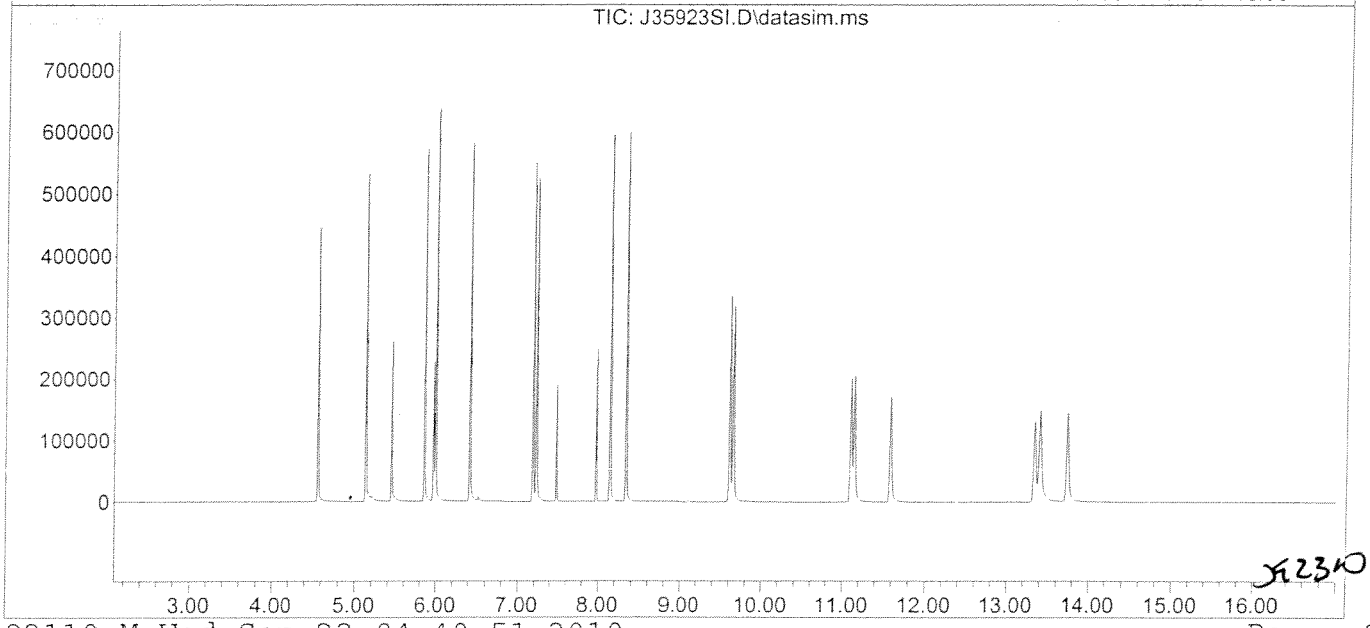
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35923SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:50 am
Operator : AR/MG
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:52 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

AK 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JL 2310

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35924SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:13 am
Operator : AR/MG
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:53 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MC
9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	24272930	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	7402116	6.567 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	32.84%#
10) S 2-Bromonaphthalene	5.965	5826205	7.049 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	35.25%#
11) S o-terphenyl	7.480	6630919	4.275 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	21.38%#
Target Compounds			
2) TZ Naphthalene	4.561	11434307	10.857 ug/ml
3) TZ 2-Methylnaphthalene	5.131	11718803	10.564 ug/ml
4) TZ Acenaphthylene	5.852	12092552	11.507 ug/ml
5) TZ Acenaphthene	5.994	13269136	10.546 ug/ml
6) TZ Fluorene	6.410	13067103	10.252 ug/ml
7) TZ Phenanthrene	7.177	13845791	11.585 ug/ml
8) TZ Anthracene	7.218	12947128	10.392 ug/ml
12) TZ Fluoranthene	8.134	15251514	10.952 ug/ml
13) TZ Pyrene	8.328	15495917	10.738 ug/ml
14) TZ Benzo[a]anthracene	9.606	13168752	10.600 ug/ml
15) TZ Chrysene	9.651	13946771	10.232 ug/ml
16) TZ Benzo[b] fluoranthene	11.105	11706931	10.894 ug/ml
17) TZ Benzo[k] fluoranthene	11.147	12254007	9.805 ug/ml
18) TZ Benzo[a] pyrene	11.587	11835748	10.410 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.340	9055590	10.683 ug/ml
20) TZ Dibenz [a,h] anthracene	13.405	11167273	9.270 ug/ml
21) TZ Benzo(g,h,i) perylene	13.739	10792220	10.057 ug/ml
22) XH c11-c22	12.565	245778819	212.450 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

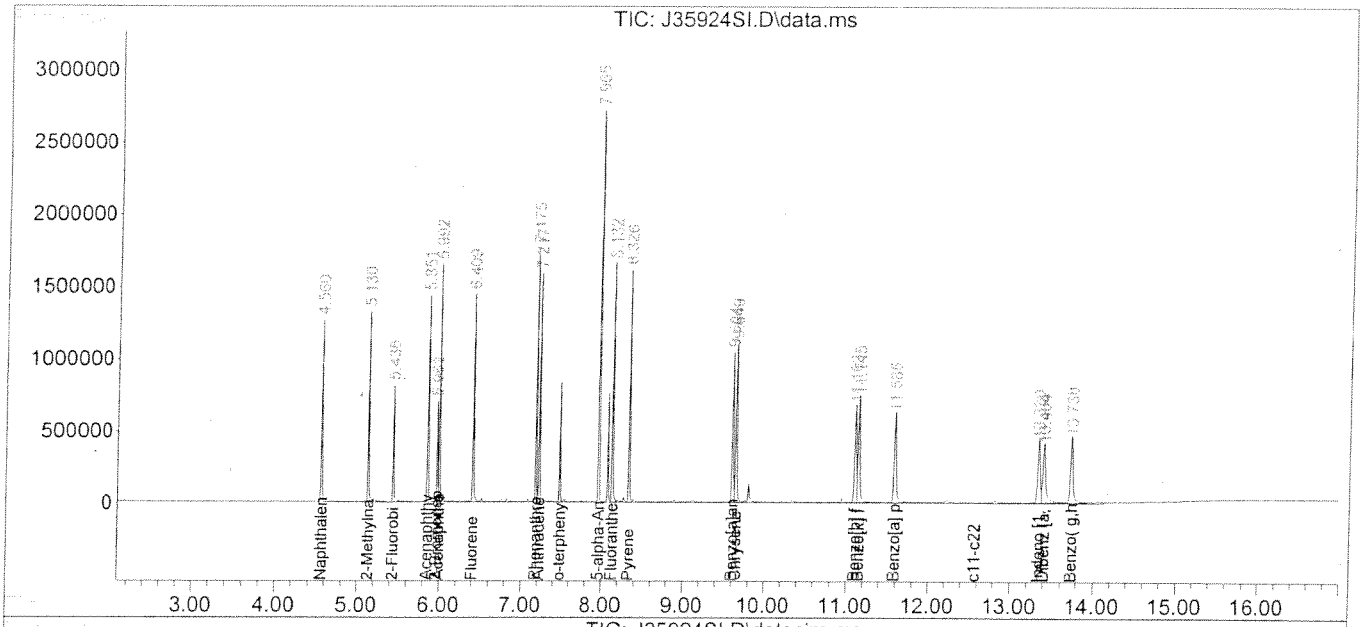
09230

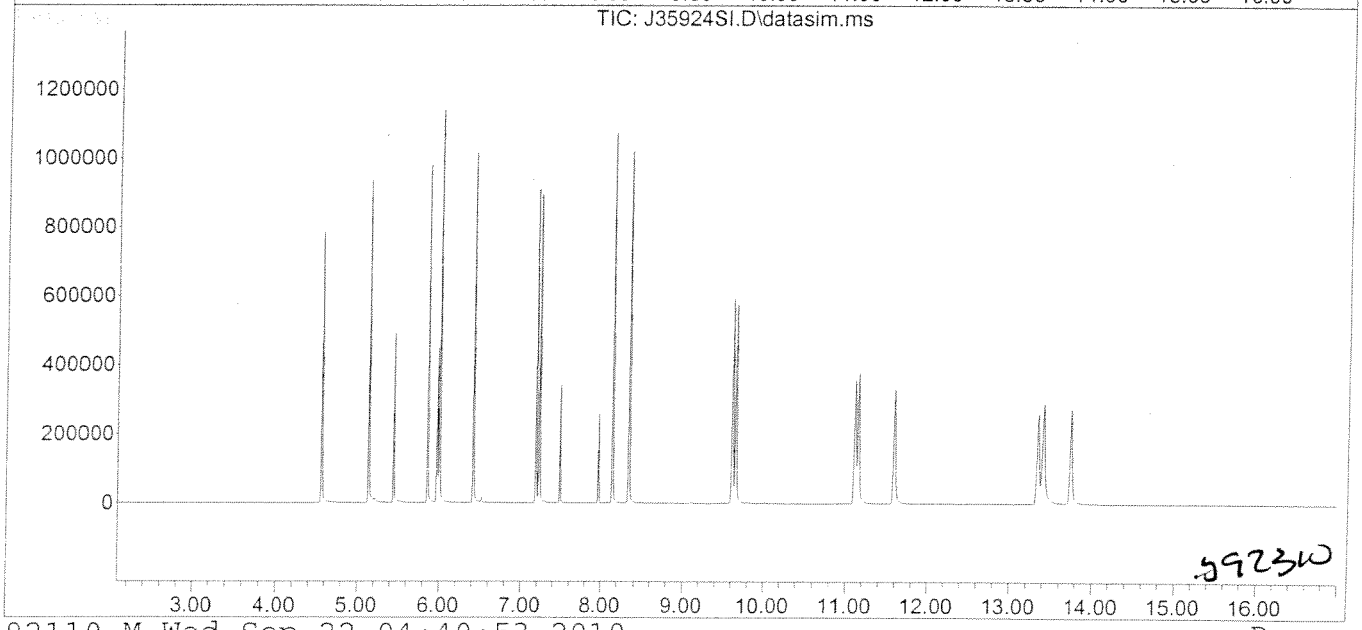
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35924SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:13 am
Operator : AR/MG
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:53 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35925SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:36 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:54 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

AR 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	22239308	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	13990831	13.547 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	67.73%
10) S 2-Bromonaphthalene	5.966	10895639	14.387 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	71.94%
11) S o-terphenyl	7.481	11763151	8.277 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	41.38%
Target Compounds			
2) TZ Naphthalene	4.562	21150914	23.033 ug/ml
3) TZ 2-Methylnaphthalene	5.132	21485348	22.323 ug/ml
4) TZ Acenaphthylene	5.854	22074718	22.927 ug/ml
5) TZ Acenaphthene	5.996	23694675	22.303 ug/ml
6) TZ Fluorene	6.412	24214128	21.814 ug/ml
7) TZ Phenanthrene	7.178	25067464	22.893 ug/ml
8) TZ Anthracene	7.220	23916772	22.493 ug/ml
12) TZ Fluoranthene	8.136	27069855	21.216 ug/ml
13) TZ Pyrene	8.331	27809253	21.032 ug/ml
14) TZ Benzo[a]anthracene	9.611	23985225	21.072 ug/ml
15) TZ Chrysene	9.657	24893029	19.933 ug/ml
16) TZ Benzo[b] fluoranthene	11.112	21554912	21.893 ug/ml
17) TZ Benzo[k] fluoranthene	11.158	21529007	18.802 ug/ml
18) TZ Benzo[a] pyrene	11.598	21559022	20.695 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.353	17089347	22.004 ug/ml
20) TZ Dibenz [a,h] anthracene	13.417	19263048	16.811 ug/ml
21) TZ Benzo(g,h,i) perylene	13.758	19389804	19.721 ug/ml
22) XH c11-c22	12.565	430746626	406.383 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

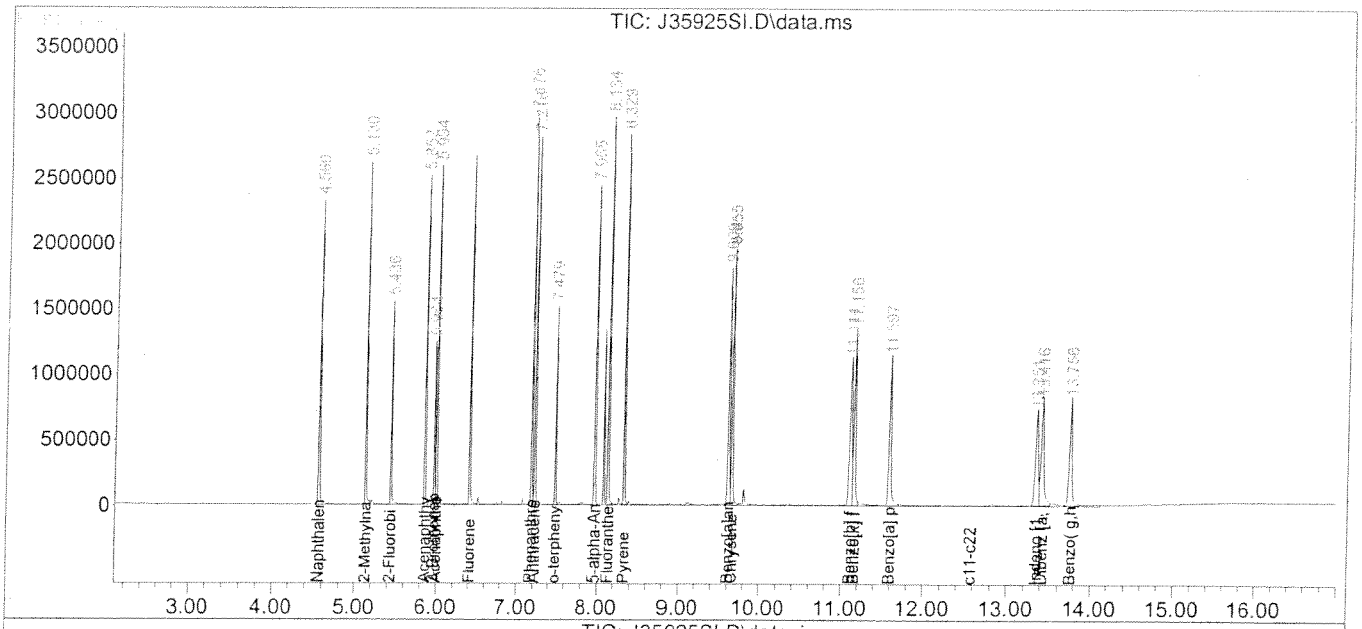
092310

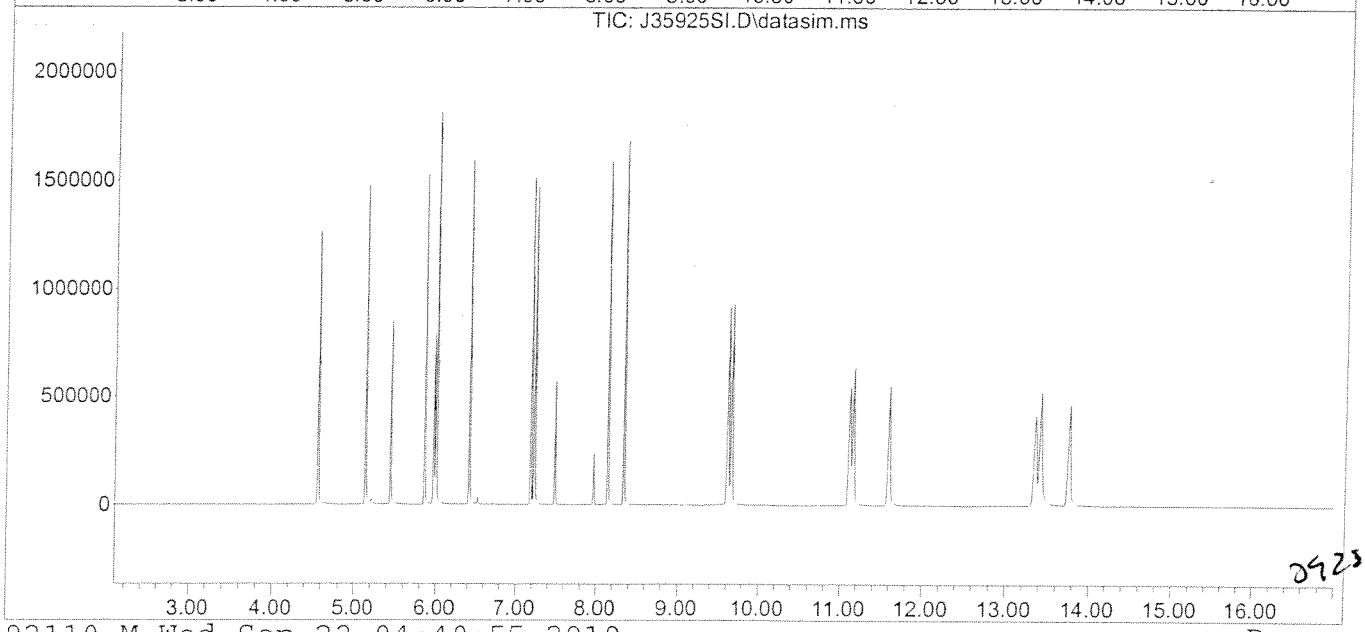
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35925SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:36 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:54 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

AR 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092310

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:36:41 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MN 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	24150972	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.440	31944490	28.483 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	142.41%#
10) S 2-Bromonaphthalene	5.969	26493029	32.213 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	161.07%#
11) S o-terphenyl	7.483	27966431	18.120 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	90.60%
Target Compounds			
2) TZ Naphthalene	4.565	47545610	54.316 ug/ml
3) TZ 2-Methylnaphthalene	5.135	47531094	51.156 ug/ml
4) TZ Acenaphthylene	5.859	49972071	47.793 ug/ml
5) TZ Acenaphthene	6.002	52499297	51.490 ug/ml
6) TZ Fluorene	6.416	54594573	51.124 ug/ml
7) TZ Phenanthrene	7.183	55294539	46.500 ug/ml
8) TZ Anthracene	7.227	51409190	49.523 ug/ml
12) TZ Fluoranthene	8.143	58294513	42.071 ug/ml
13) TZ Pyrene	8.339	61718090	42.983 ug/ml
14) TZ Benzo[a]anthracene	9.622	56893507	46.027 ug/ml
15) TZ Chrysene	9.673	56713061	41.818 ug/ml
16) TZ Benzo[b] fluoranthene	11.128	52406913	49.016 ug/ml
17) TZ Benzo[k] fluoranthene	11.183	51978498	41.802 ug/ml
18) TZ Benzo[a] pyrene	11.620	50661259	44.782 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.383	44171342	52.373 ug/ml
20) TZ Dibenz [a,h] anthracene	13.449	45470375	40.796 ug/mlm
21) TZ Benzo(g,h,i) perylene	13.795	48542566	45.465 ug/ml
22) XH c11-c22	12.565	964214026	837.671 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

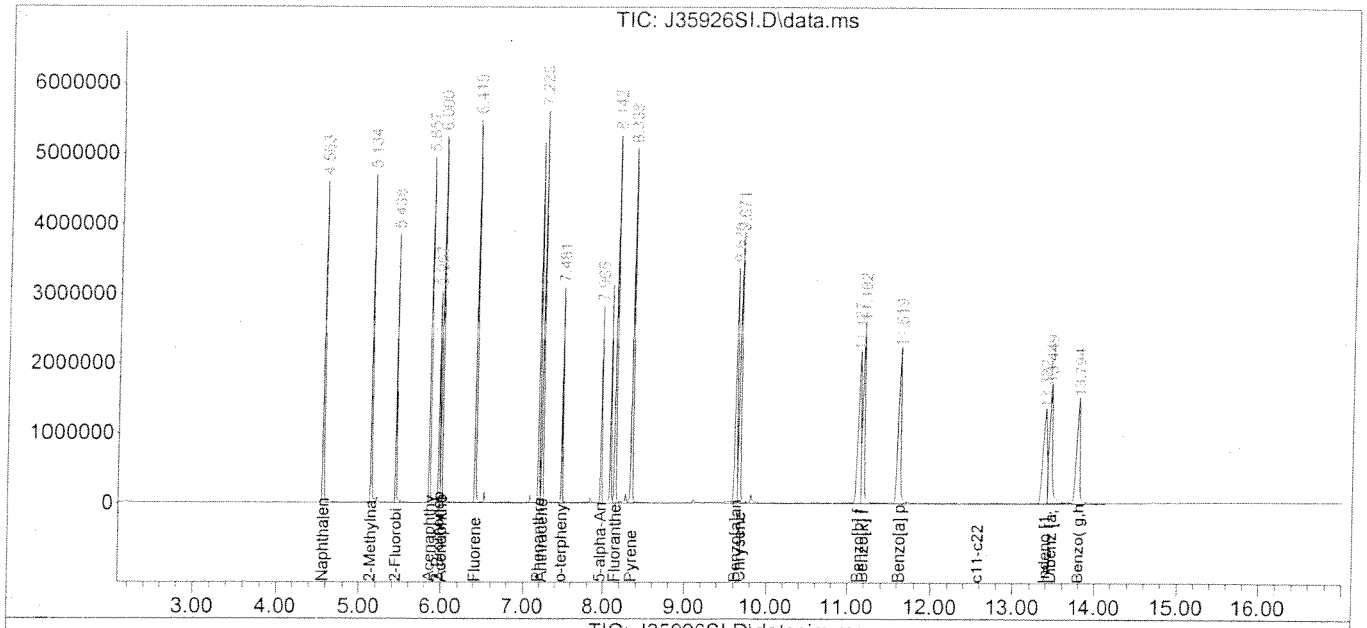
092310

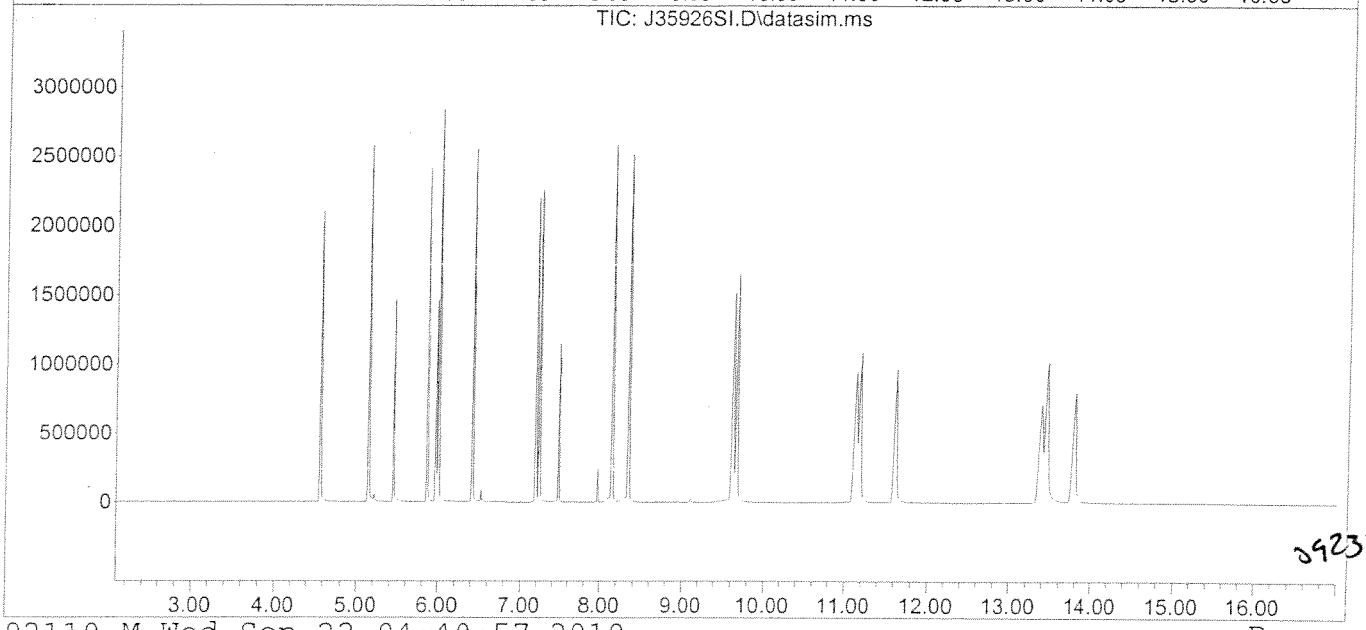
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:36:41 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

AR 9/03/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





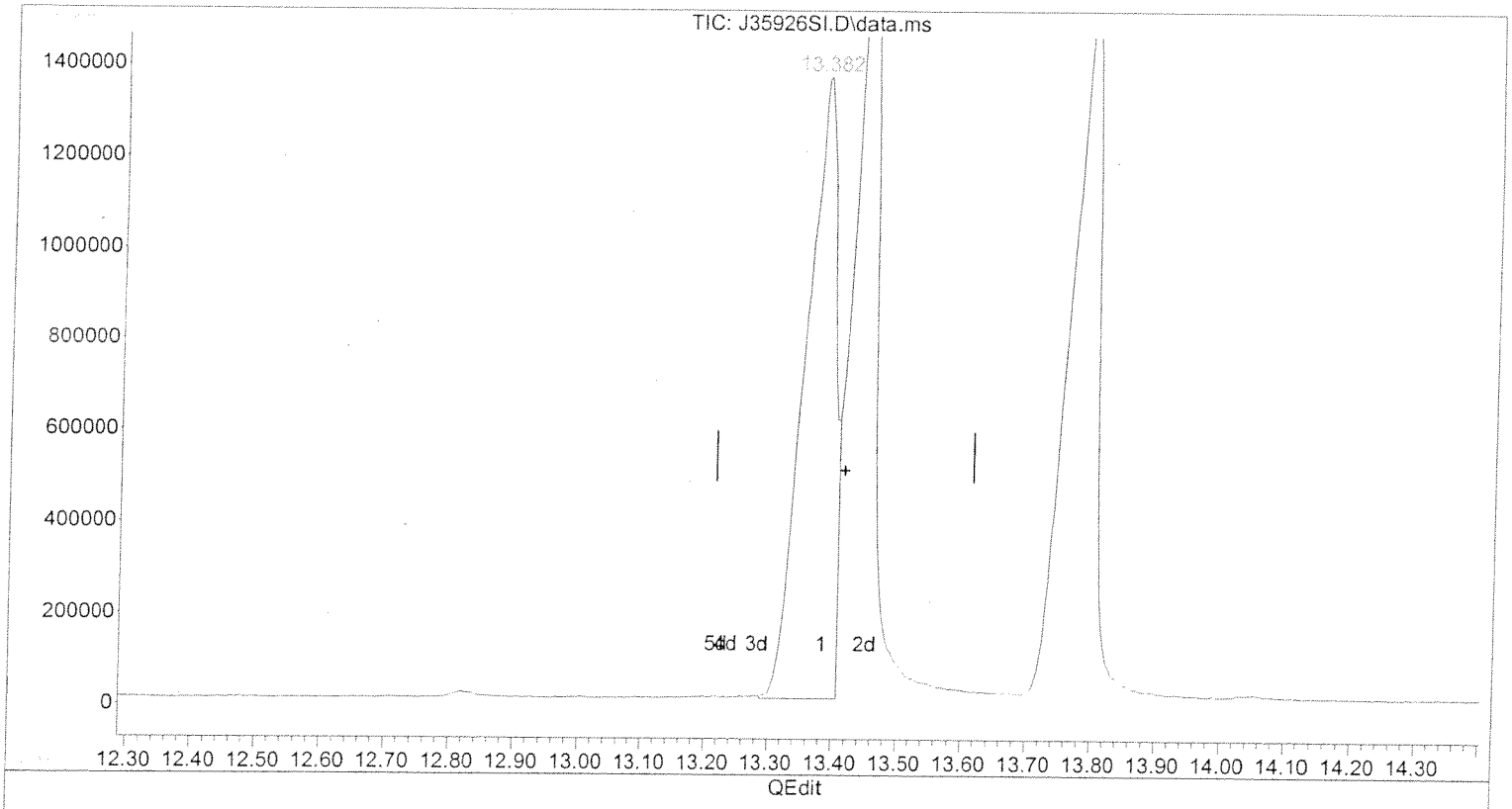
J923KW

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:55 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MW
9/23/10
WP

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) Dibenz [a,h] anthracene (TZ)
13.383min 39.225ug/ml
response 44171342

SG23W

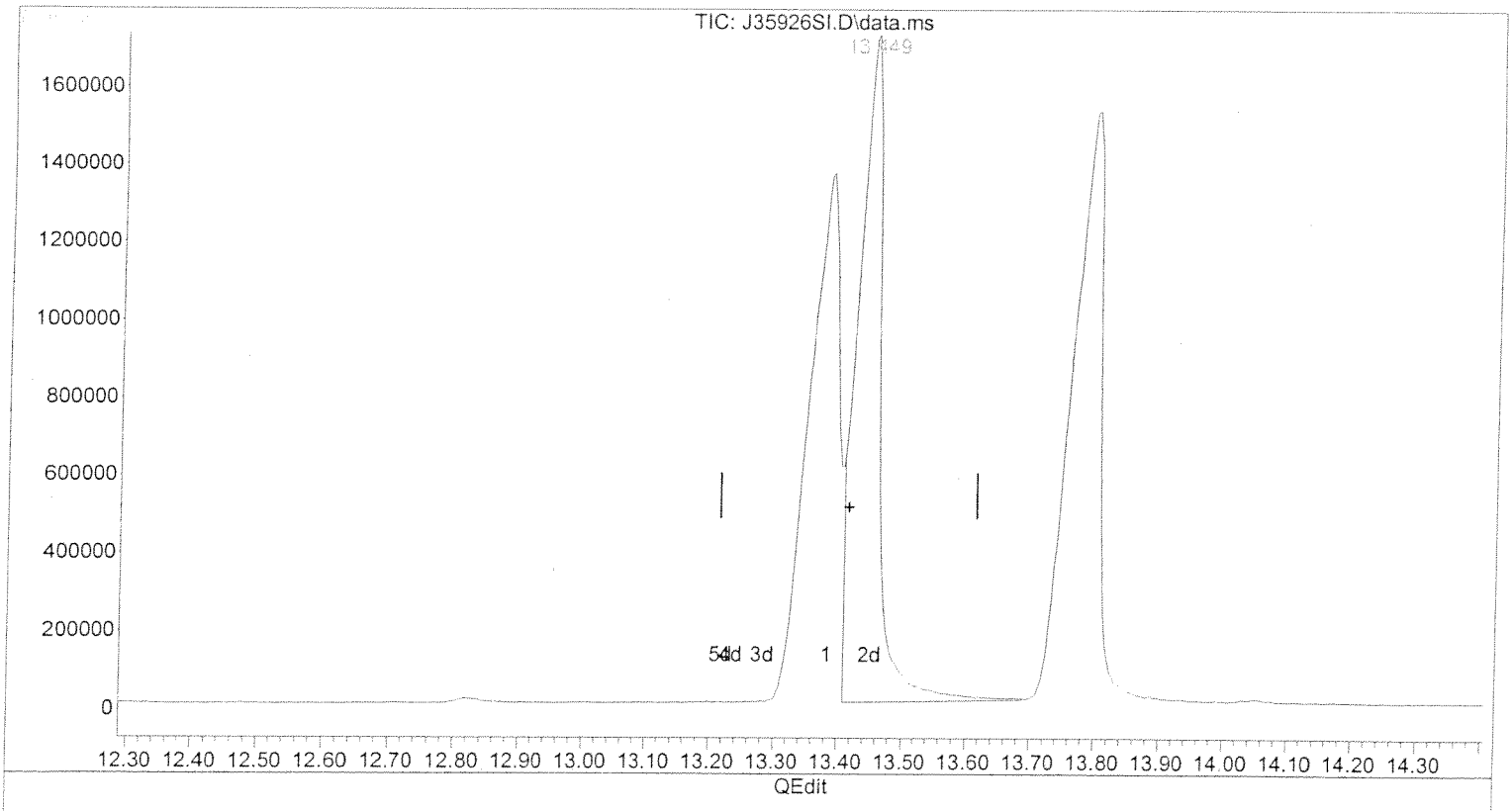
(+) = Expected Retention Time
ARG092110.M Wed Sep 22 04:36:37 2010

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:55 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) Dibenz [a,h] anthracene (TZ)
13.449min 40.796ug/ml m
response 45470375

J92310

(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:39:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MC 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	22218719	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.441	48429976	46.938 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	234.69%#
10) S 2-Bromonaphthalene	5.973	40541337	53.582 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	267.91%#
11) S o-terphenyl	7.485	42043889	29.610 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	148.05%#
Target Compounds			
2) TZ Naphthalene	4.568	70243714	135.171 ug/ml
3) TZ 2-Methylnaphthalene	5.139	70541626	107.468 ug/ml
4) TZ Acenaphthylene	5.862	74900709	77.865 ug/ml
5) TZ Acenaphthene	6.006	77685490	102.502 ug/ml
6) TZ Fluorene	6.422	80819943	109.418 ug/ml
7) TZ Phenanthrene	7.189	80996251	74.038 ug/ml
8) TZ Anthracene	7.233	76693076	97.005 ug/ml
12) TZ Fluoranthene	8.150	90771423	71.206 ug/ml
13) TZ Pyrene	8.346	94058473	71.203 ug/ml
14) TZ Benzo[a]anthracene	9.632	90331607	79.434 ug/ml
15) TZ Chrysene	9.685	86298178	69.167 ug/mlm
16) TZ Benzo[b] fluoranthene	11.142	87737474	89.196 ug/ml
17) TZ Benzo[k] fluoranthene	11.204	79552756	69.542 ug/mlm
18) TZ Benzo[a] pyrene	11.641	83723190	80.443 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.435	86593327	111.601 ug/mlm
20) TZ Dibenz [a,h] anthracene	13.477	55014208	64.495 ug/mlm
21) TZ Benzo(g,h,i) perylene	13.824	74420278	75.763 ug/ml
22) XH c11-c22	12.565	1476782142	1394.544 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

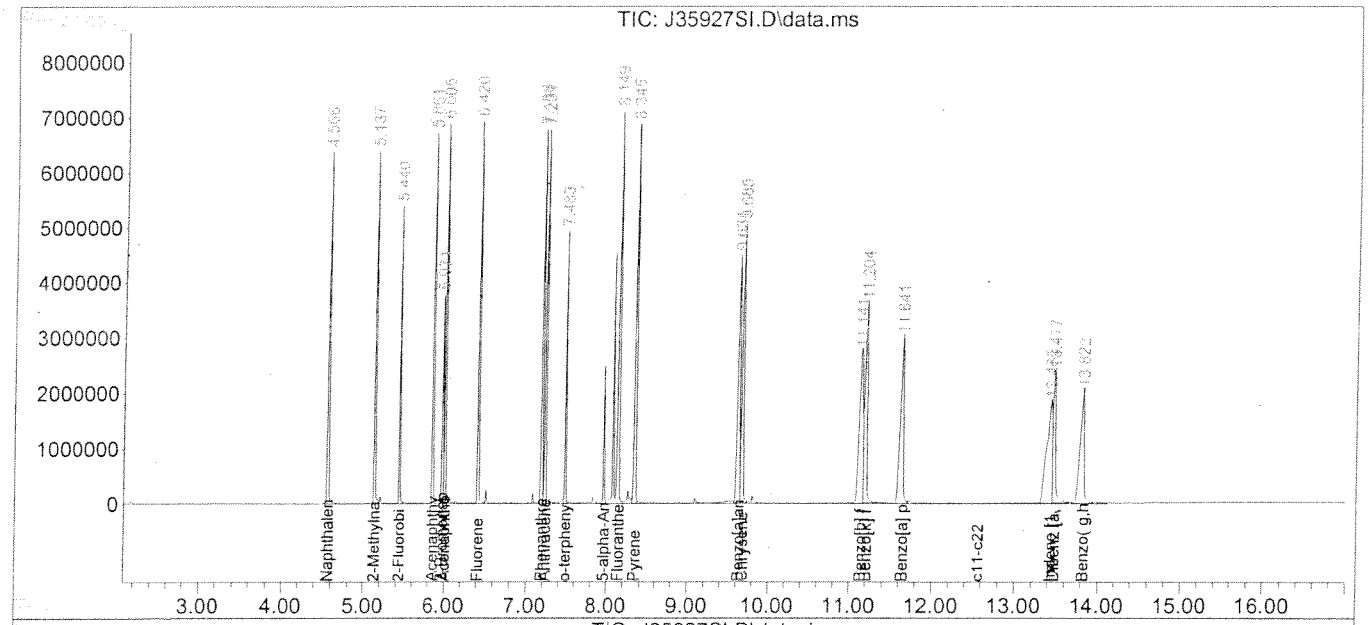
09 7310

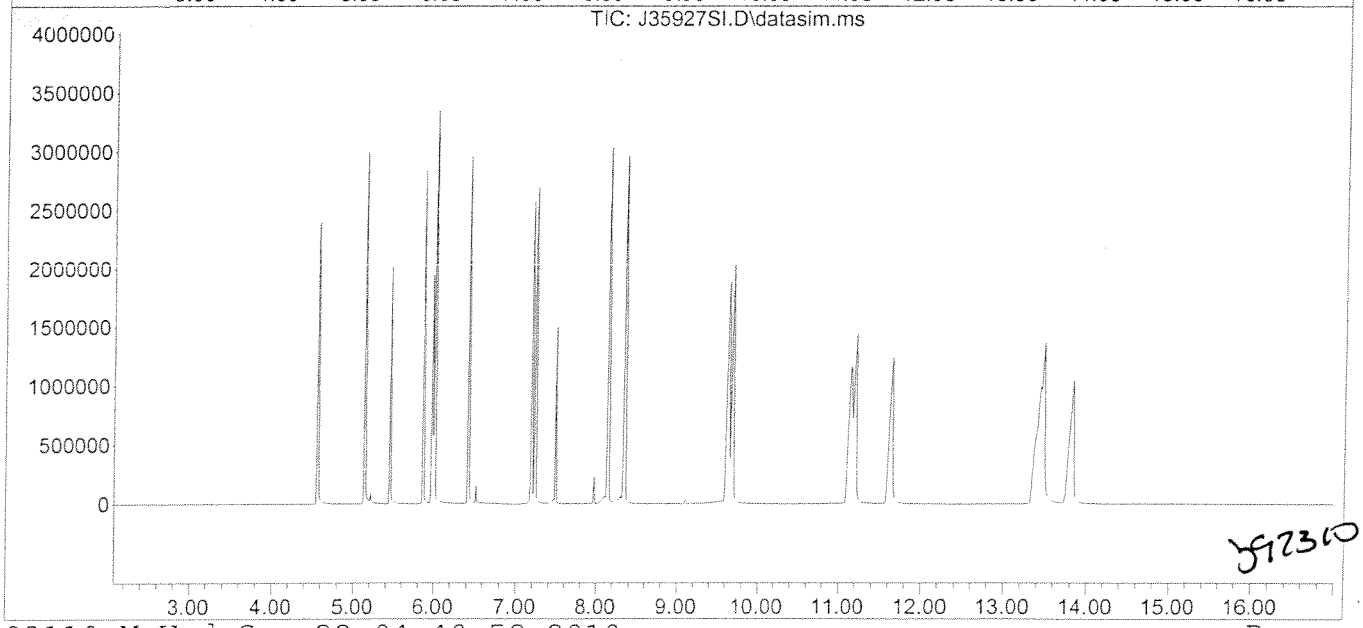
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:39:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MN 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J92310

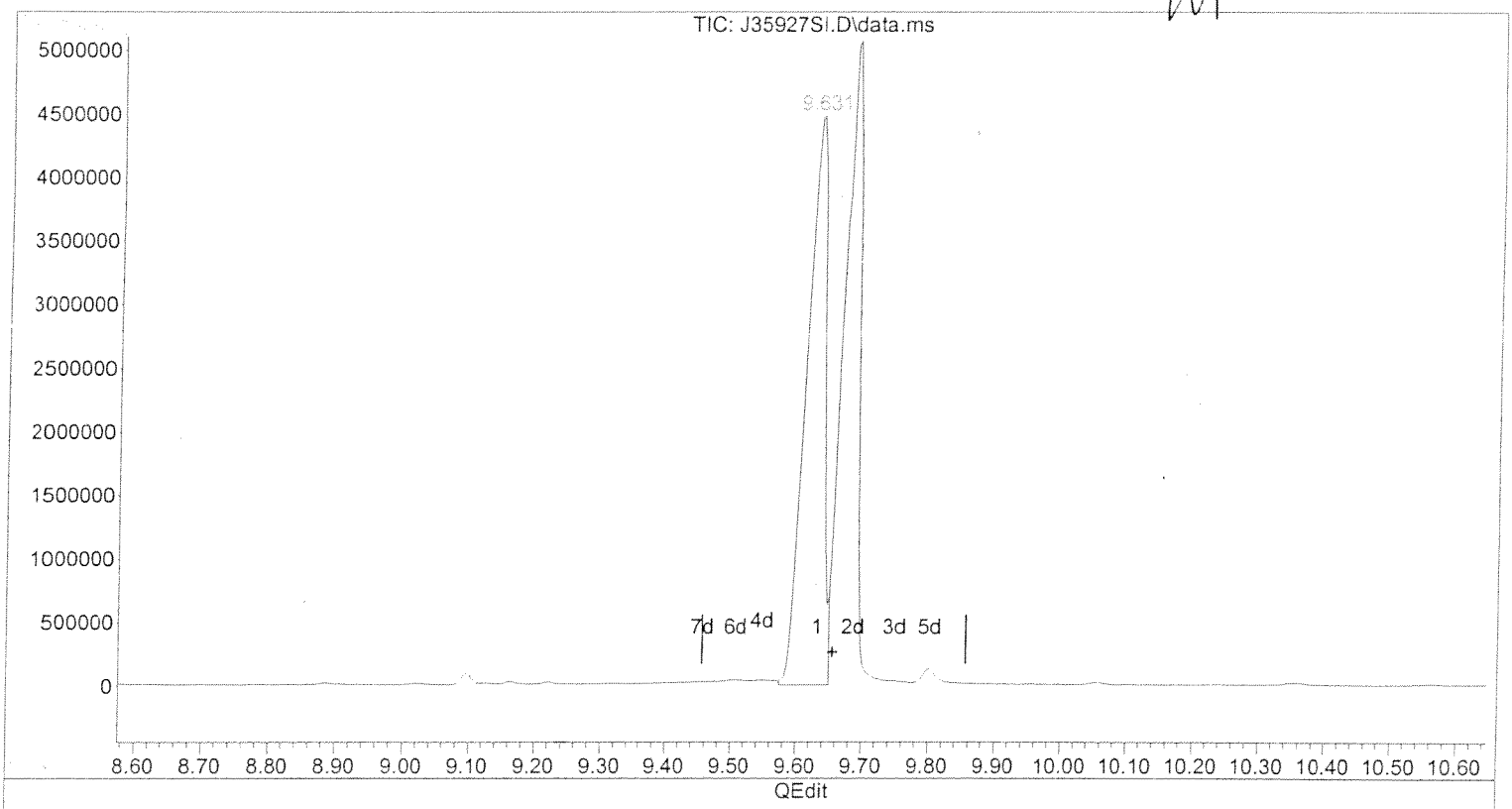
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

AM 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

WP



(15) Chrysene (TZ)
9.632min 72.400ug/ml
response 90331607

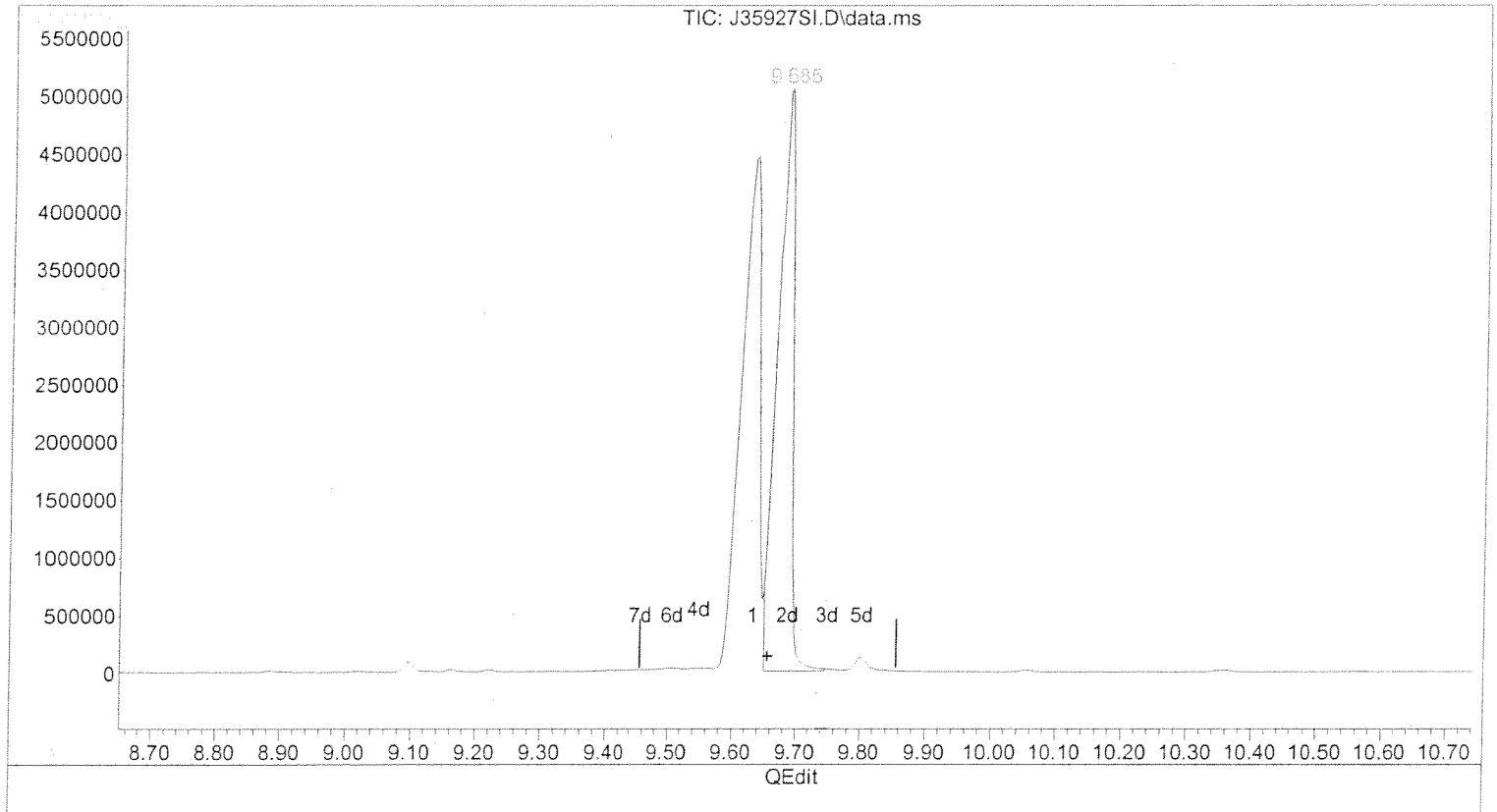
S92310

(+) = Expected Retention Time
ARG092110.M Wed Sep 22 04:37:15 2010 Page: 1

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) Chrysene (TZ)
9.685min 69.167ug/ml m
response 86298178

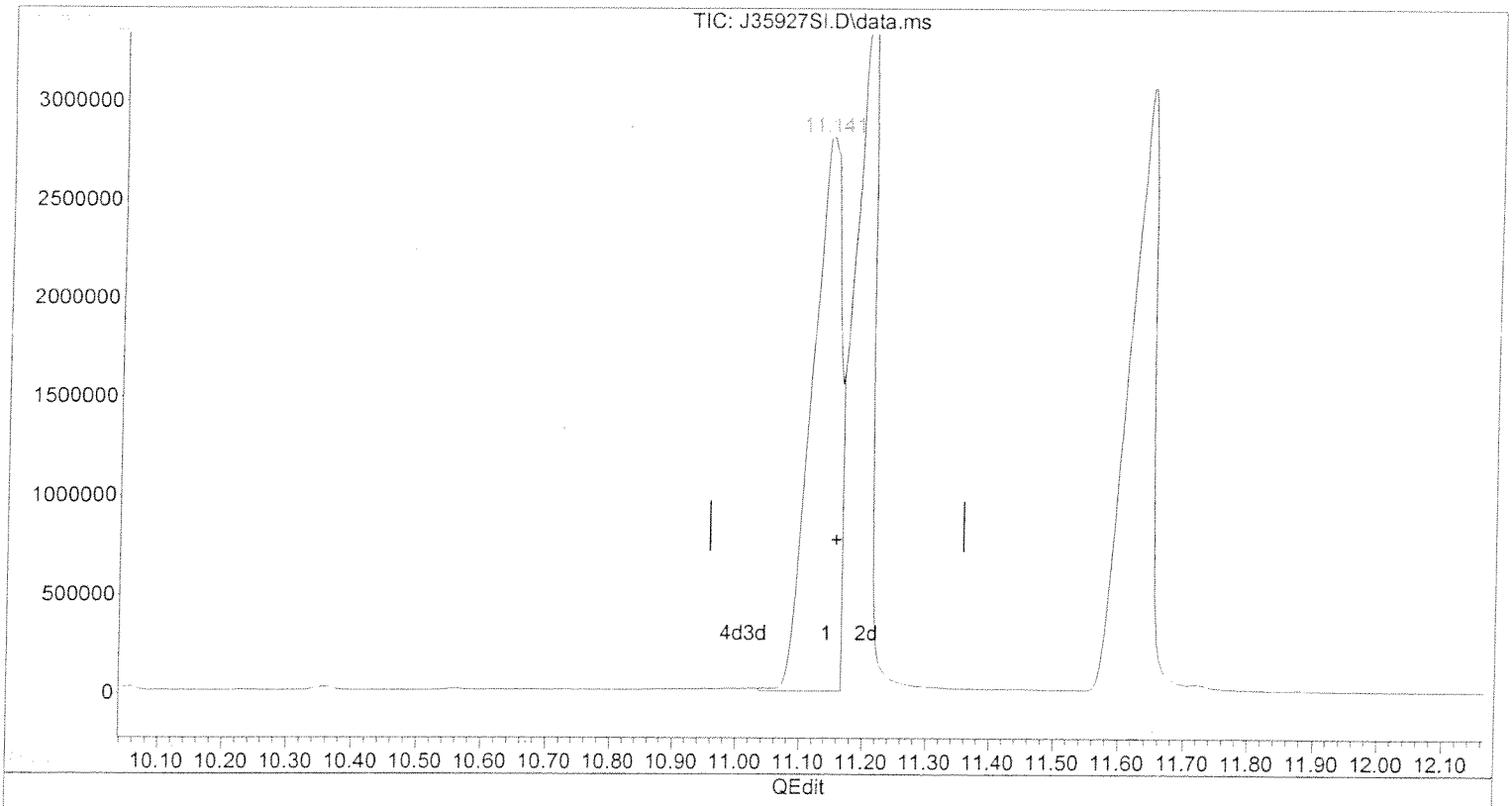
(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) Benzo[k] fluoranthene (TZ)
11.142min 76.697ug/ml
response 87737474

592340

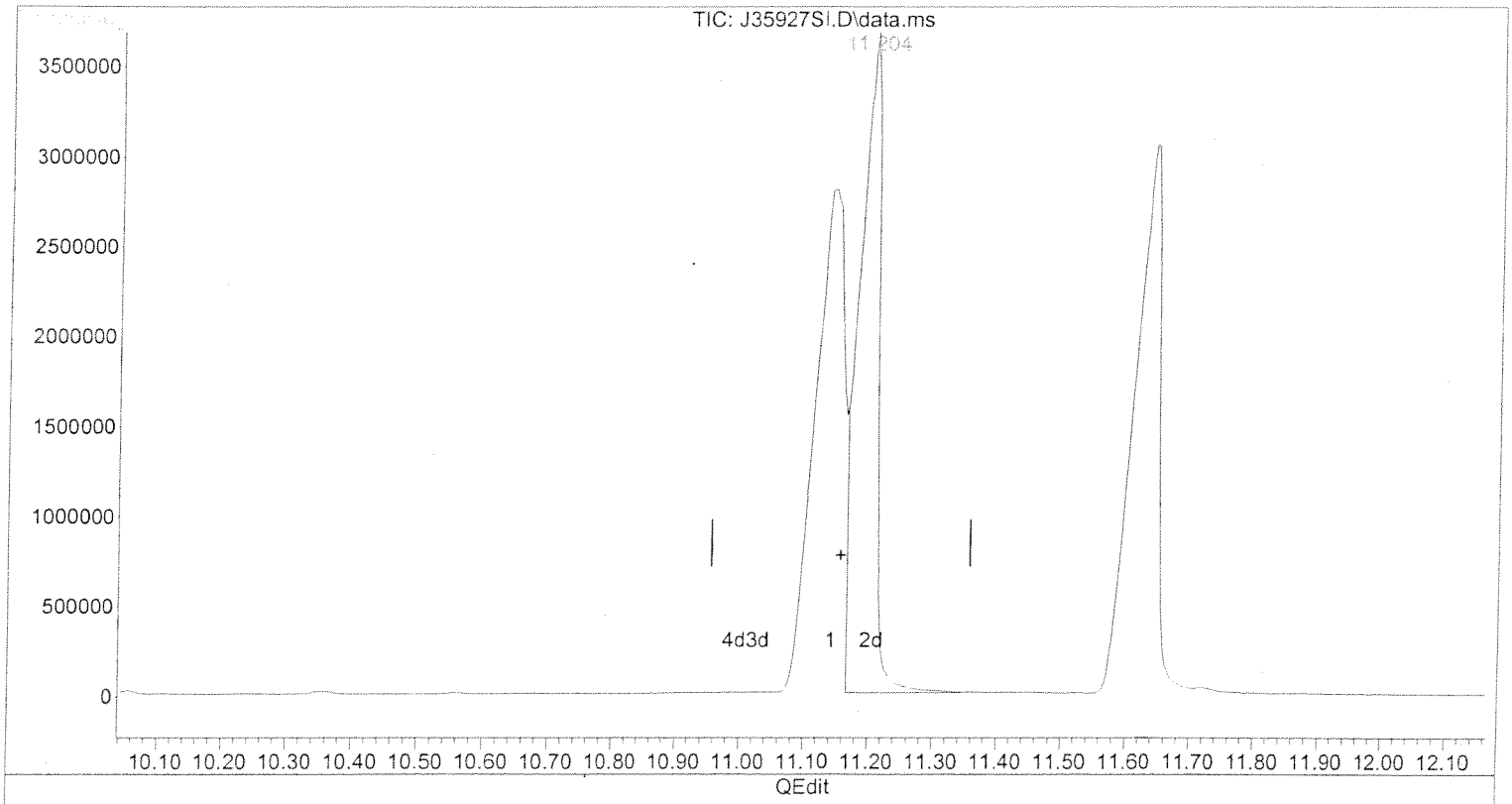
(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MV 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) Benzo[k] fluoranthene (TZ)
11.204min 69.542ug/ml m
response 79552756

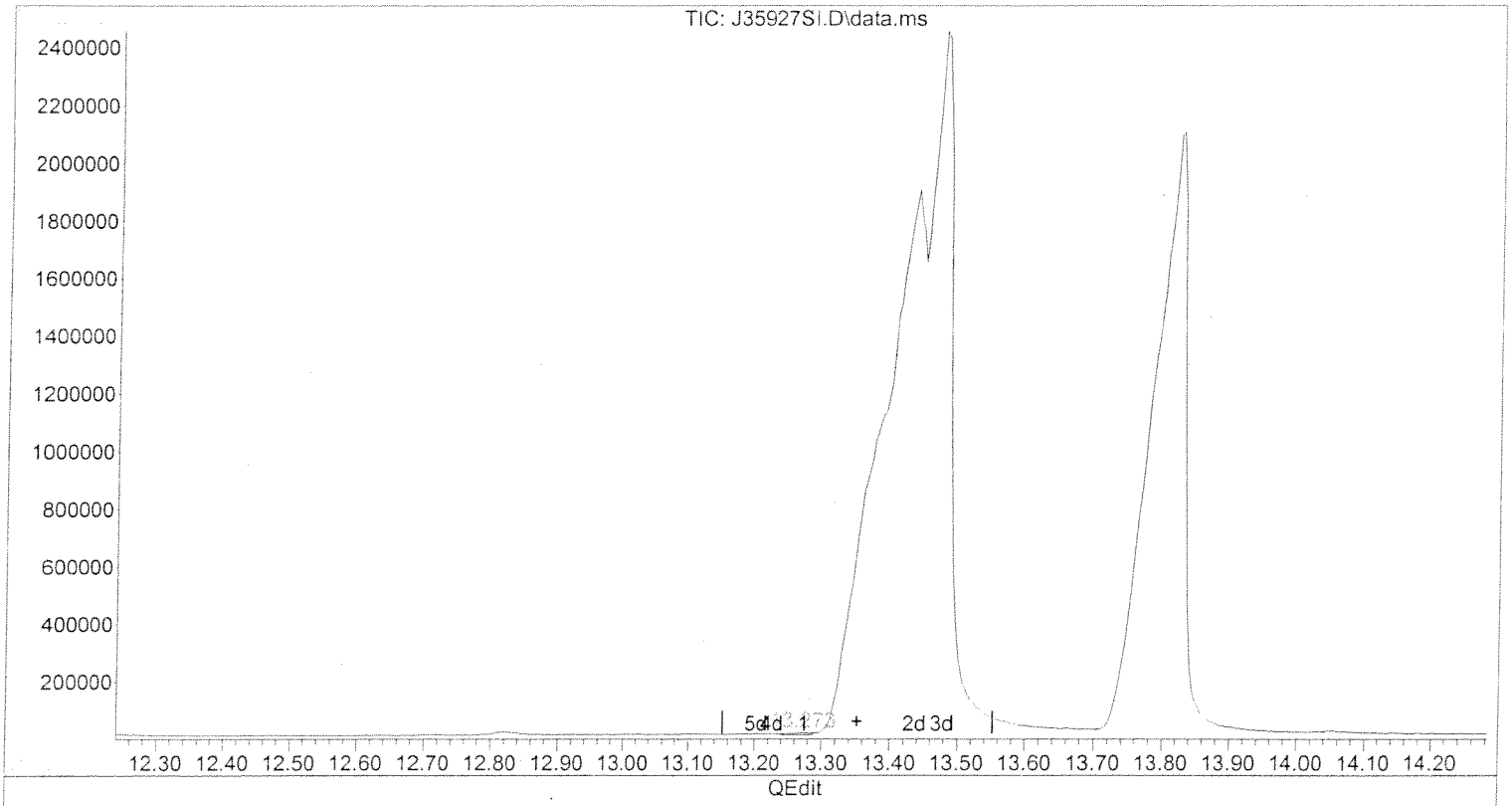
J92310

(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) Indeno [1,2,3-cd] pyrene (TZ)
13.275min 0.185ug/ml
response 143244

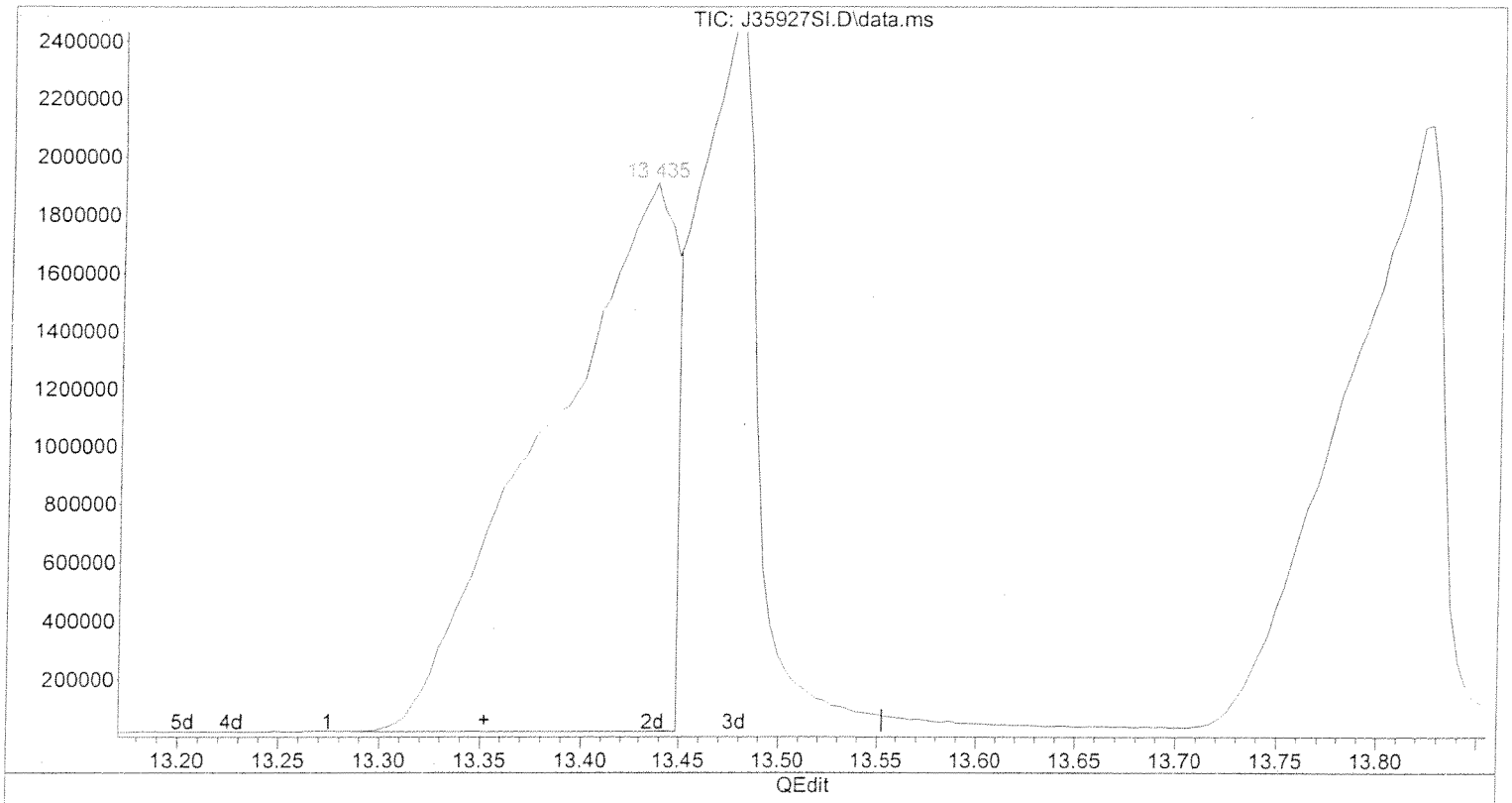
(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MK
9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) Indeno [1,2,3-cd] pyrene (TZ)
13.435min 111.601ug/ml m
response 86593327

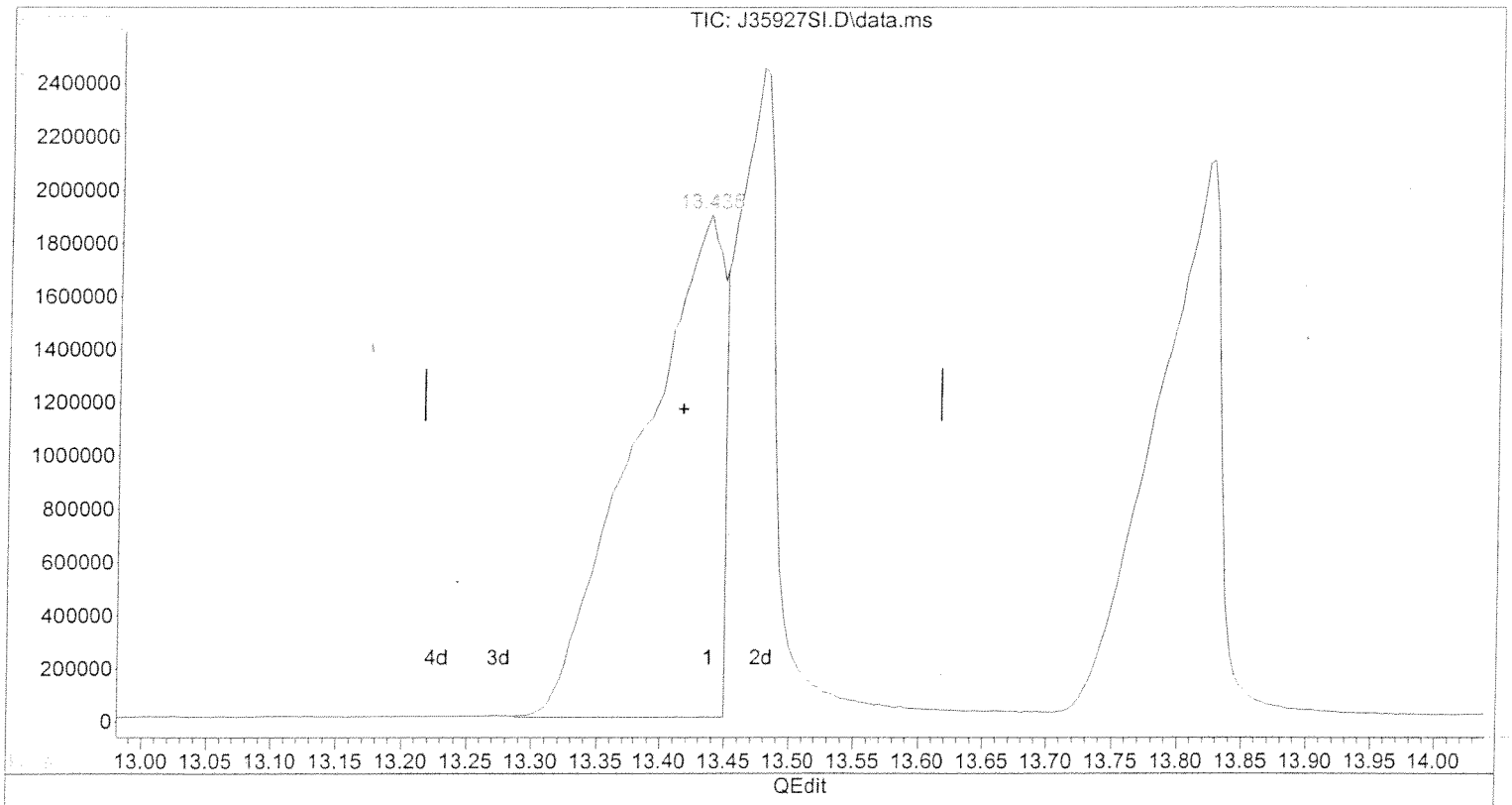
092310

(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) Dibenz [a,h] anthracene (TZ)
13.437min -20.000ug/ml
response 83831410

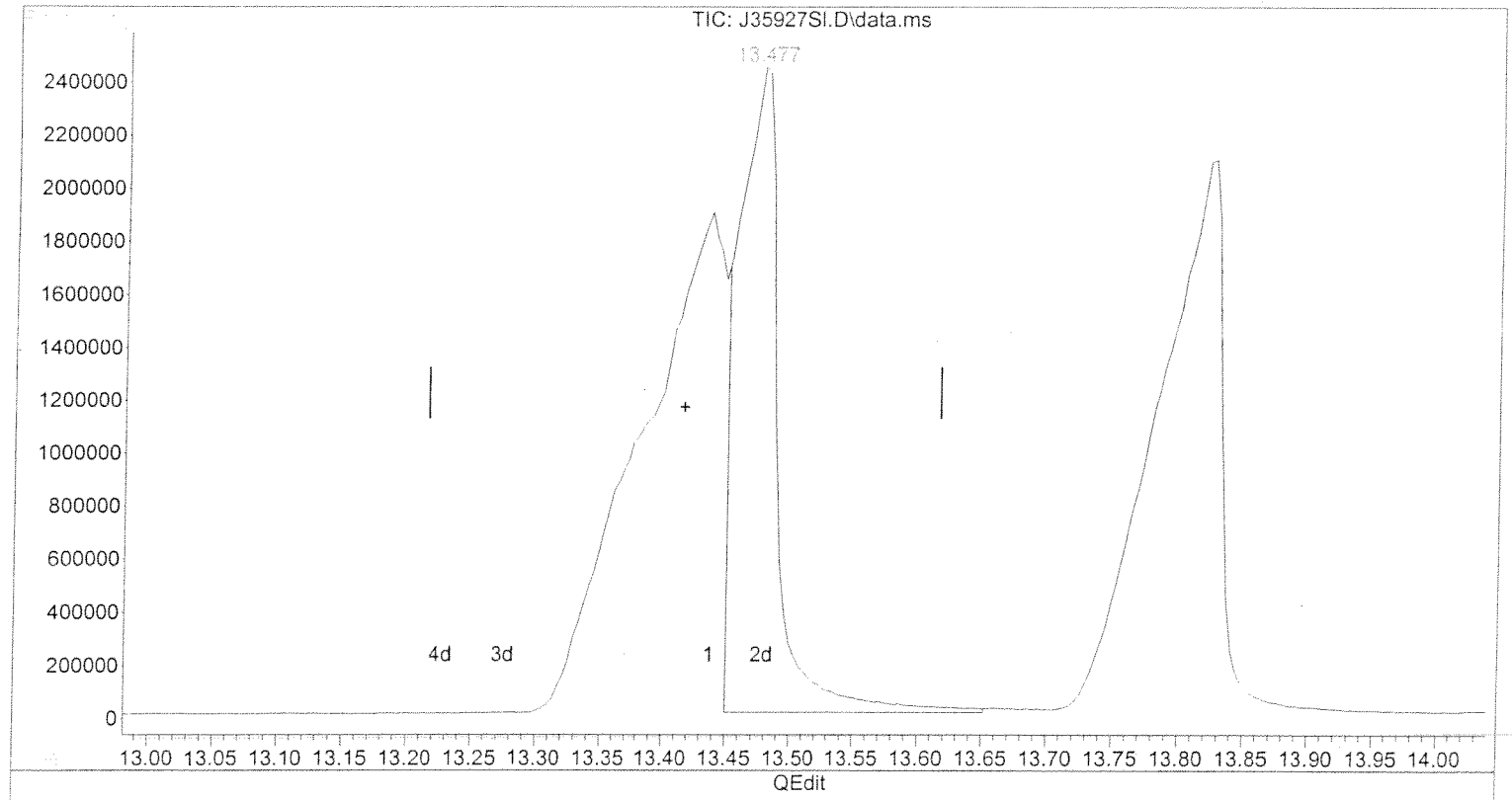
(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

OK 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) Dibenz [a,h] anthracene (TZ)
13.477min 64.495ug/ml m
response 55014208

092310

(+) = Expected Retention Time

MN 9/23/10

GC AROMATIC 2ND SOURCE CHECK

Data File Name J35928.D
Sample Name S9716 ARO 20 ICV
Date Acquired 9/22/2010 3:45

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.46	20	107%	OK	21.46		
2-Methylnaphthalene	21.56	20	108%	OK	21.56		
Acenaphthylene	21.17	20	106%	OK	21.17		
Acenaphthene	21.39	20	107%	OK	21.39		
Fluorene	20.86	20	104%	OK	20.86		
Phenanthrene	21.30	20	106%	OK	21.30		
Anthracene	21.91	20	110%	OK	21.91		
Fluoranthene	21.69	20	108%	OK	21.69		
Pyrene	20.58	20	103%	OK	20.58		
Benzo[a]anthracene	19.20	20	96%	OK	19.20		
Chrysene	20.15	20	101%	OK	20.15		
Benzo[b] fluoranthene	18.40	20	92%	OK	18.40		
Benzo[k] fluoranthene	19.22	20	96%	OK	19.22		
Benzo[a] pyrene	20.16	20	101%	OK	20.16		
Indeno [1,2,3-cd] pyrene	18.29	20	91%	OK	18.29		
Dibenz [a,h] anthracene	18.00	20	90%	OK	18.00		
Benzo(g,h,i) perylene	18.60	20	93%	OK	18.60		
c11-c22		340			**343.92**	101%	OK
o-terphenyl	20.23	20	101%	OK			

J92310

9/22/2010 4:49 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG ICV SUMPRCT.CRT

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35928.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:45 am
Operator : AR/MG
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:48:48 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

MC 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	23240829	20.000 ug/ml
System Monitoring Compounds			
10) S 2-Bromonaphthalene	5.995	25056204	28.485 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	142.43%#
11) S o-terphenyl	7.483	27227951	20.234 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	101.17%
Target Compounds			
2) TZ Naphthalene	4.564	22461345	21.455 ug/ml
3) TZ 2-Methylnaphthalene	5.132	22697986	21.560 ug/ml
4) TZ Acenaphthylene	5.855	23227785	21.166 ug/ml
5) TZ Acenaphthene	5.995	25056204	21.388 ug/ml
6) TZ Fluorene	6.413	25148239	20.864 ug/ml
7) TZ Phenanthrene	7.178	26282001	21.299 ug/ml
8) TZ Anthracene	7.221	25219594	21.910 ug/ml
12) TZ Fluoranthene	8.137	28135909	21.688 ug/ml
13) TZ Pyrene	8.331	28136529	20.580 ug/ml
14) TZ Benzo[a]anthracene	9.610	23146635	19.196 ug/ml
15) TZ Chrysene	9.656	25115947	20.146 ug/ml
16) TZ Benzo[b] fluoranthene	11.111	20555994	18.399 ug/ml
17) TZ Benzo[k] fluoranthene	11.156	21517038	19.222 ug/ml
18) TZ Benzo[a] pyrene	11.597	21292990	20.161 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.353	16250518	18.288 ug/ml
20) TZ Dibenz [a,h] anthracene	13.416	18882717	17.998 ug/ml
21) TZ Benzo(g,h,i) perylene	13.754	18532337	18.601 ug/ml
22) XH c11-c22	12.565	424205197	370.225 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

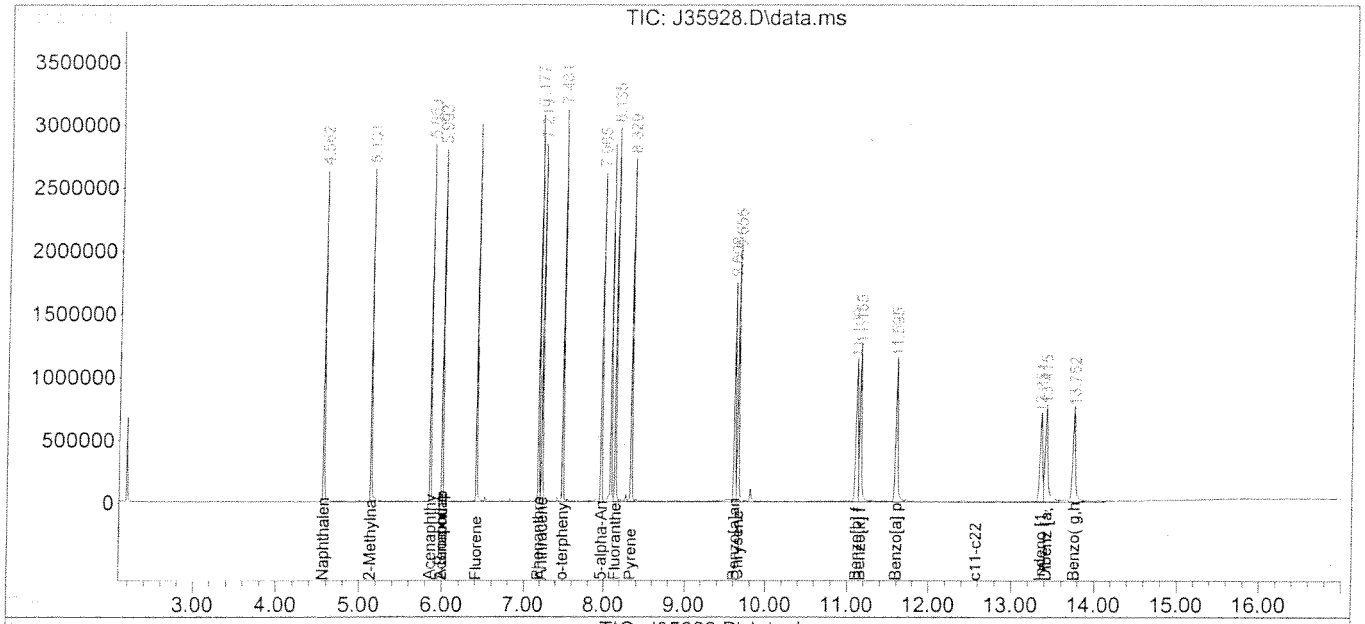
092310

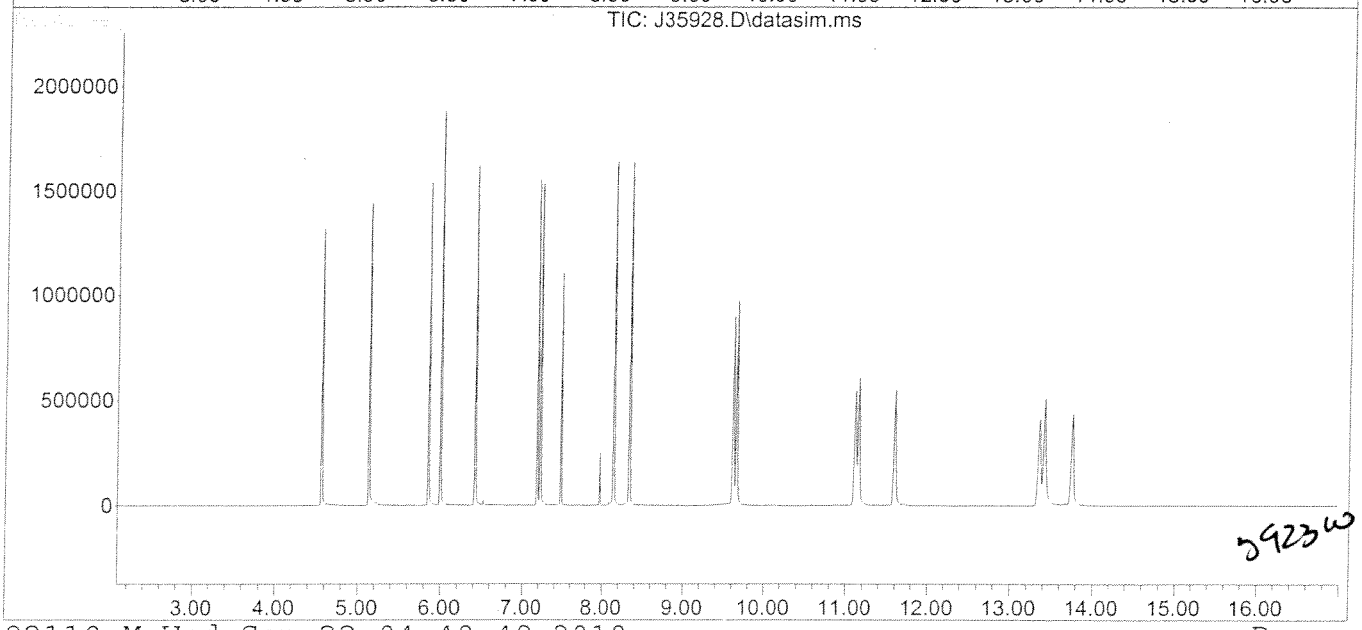
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35928.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:45 am
Operator : AR/MG
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:48:48 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





5923w

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71766SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.5	1.3	
C-10	40.4	1.1	
C-12	39.5	1.2	
C-14	36.9	7.8	
C-16	38.8	2.9	
C-18	37.1	7.1	
C-19	36.8	8.0	
C-20	38.7	3.2	
1-Chlorooctadecane	16.4	2.2	
C-22	37.4	6.6	
C-24	36.9	7.8	
C-26	38.7	3.2	
C-28	38.1	4.8	
C-30	39.0	2.5	
C-36	39.6	1.0	

C9-C18 Aliphatics	233.3	2.8	
C19-C36 Aliphatics	305.2	4.6	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71766SC.D Vial: 2
Acq On : 22 Sep 2010 2:39 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 3:07 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PN 9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6035934	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	6057347	16.353 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	81.77%
Target Compounds			
2) TZM C-9	4.01	15184008	40.512 ug/ml
3) TZM C-10	5.00	15502394	40.445 ug/ml
4) TZM C-12	6.48	16263806	39.512 ug/ml
5) TZM C-14	7.66	15575927	36.895 ug/ml
6) TZM C-16	8.68	15821712	38.825 ug/ml
7) TZM C-18	9.59	15057592	37.149 ug/ml
8) XH C9-C18	7.38	108907676	271.734 ug/ml
9) TZM C-19	10.02	14751392	36.792 ug/ml
10) TZM C-20	10.45	15206566	38.700 ug/ml
12) TZM C-22	11.42	14545279	37.366 ug/ml
13) TZM C-24	12.70	13777224	36.875 ug/ml
14) TZM C-26	14.17	13402218	38.728 ug/ml
15) TZM C-28	15.70	11563235	38.079 ug/ml
16) TZM C-30	17.21	10665121	39.010 ug/ml
17) TZM C-36	21.24	8544508	39.601 ug/ml
18) XH C19-C36	11.90	109312887	328.719 ug/ml

592210

(f)=RT Delta > 1/2 Window (m)=manual int.

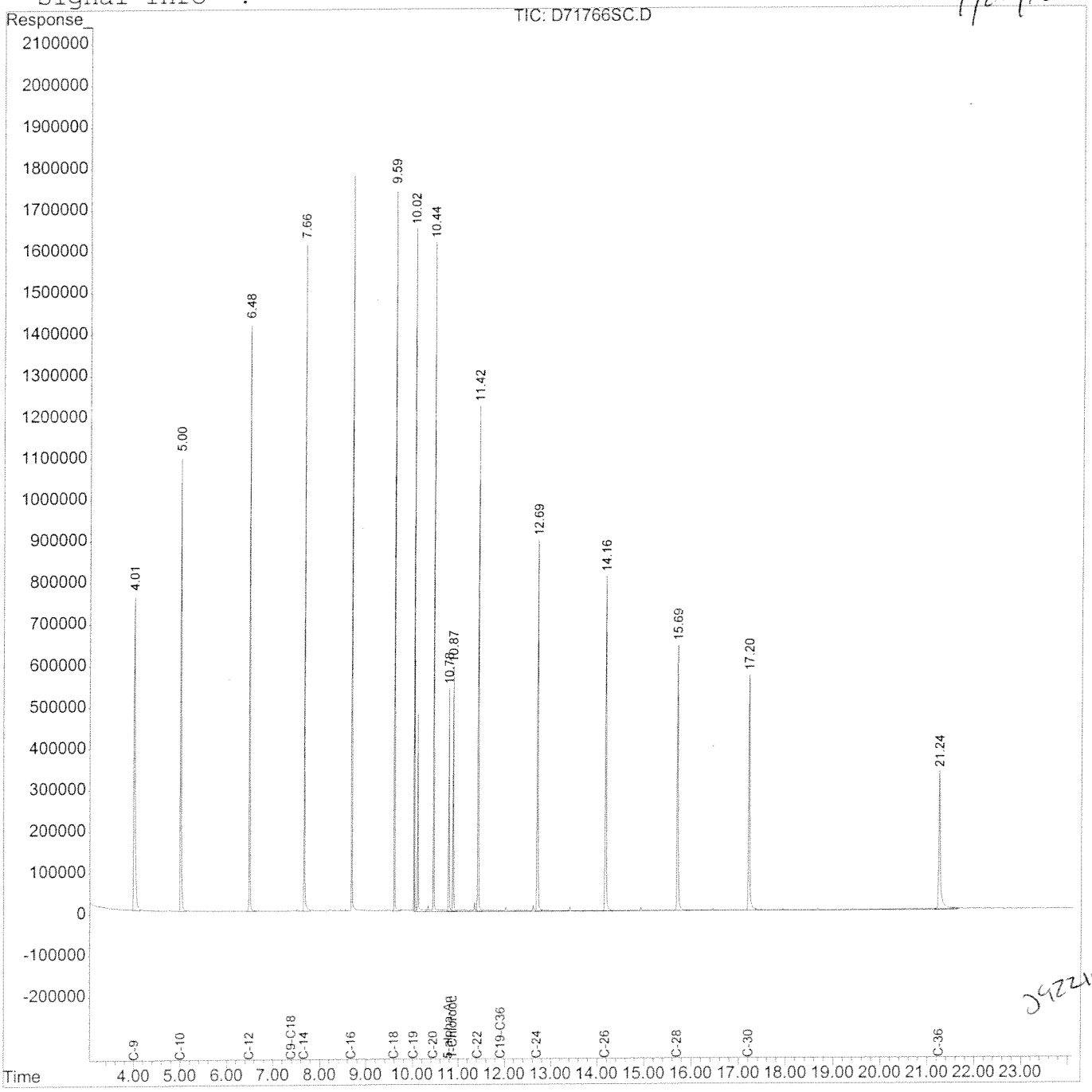
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71766SC.D Vial: 2
Acq On : 22 Sep 2010 2:39 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 3:07 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/22/10



D92210

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

342210

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71781SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	36.9	7.8	
C-10	37.9	5.3	
C-12	35.2	11.9	
C-14	37.3	6.8	
C-16	36.8	7.9	
C-18	37.2	7.1	
C-19	36.7	8.3	
C-20	37.5	6.1	
1-Chlorooctadecane	15.9	0.5	
C-22	37.1	7.2	
C-24	37.1	7.2	
C-26	36.8	8.0	
C-28	38.1	4.7	
C-30	40.5	1.3	
C-36	43.1	7.7	

C9-C18 Aliphatics	221.3	7.8	
C19-C36 Aliphatics	306.9	4.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

✓ JM 9/22/10

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71781SC.D Vial: 2
Acq On : 22 Sep 2010 12:57 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 15:11 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6555086	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	6404578	15.921 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.60%
Target Compounds			
2) TZM C-9	4.01	15009786	36.876 ug/ml
3) TZM C-10	5.00	15760791	37.863 ug/ml
4) TZM C-12	6.48	15754576	35.243 ug/ml
5) TZM C-14	7.66	17090345	37.276 ug/ml
6) TZM C-16	8.68	16304456	36.841 ug/ml
7) TZM C-18	9.59	16360921	37.167 ug/ml
8) XH C9-C18	7.38	112002531	257.324 ug/ml
9) TZM C-19	10.02	15967099	36.670 ug/ml
10) TZM C-20	10.45	16022872	37.548 ug/ml
12) TZM C-22	11.42	15691083	37.118 ug/ml
13) TZM C-24	12.70	15061926	37.121 ug/ml
14) TZM C-26	14.16	13823655	36.782 ug/ml
15) TZM C-28	15.69	12574712	38.130 ug/ml
16) TZM C-30	17.20	12028471	40.512 ug/ml
17) TZM C-36	21.24	10256710	43.063 ug/ml
18) XH C19-C36	11.90	122373586	338.850 ug/ml

9/22/10

(f)=RT Delta > 1/2 Window (m)=manual int.

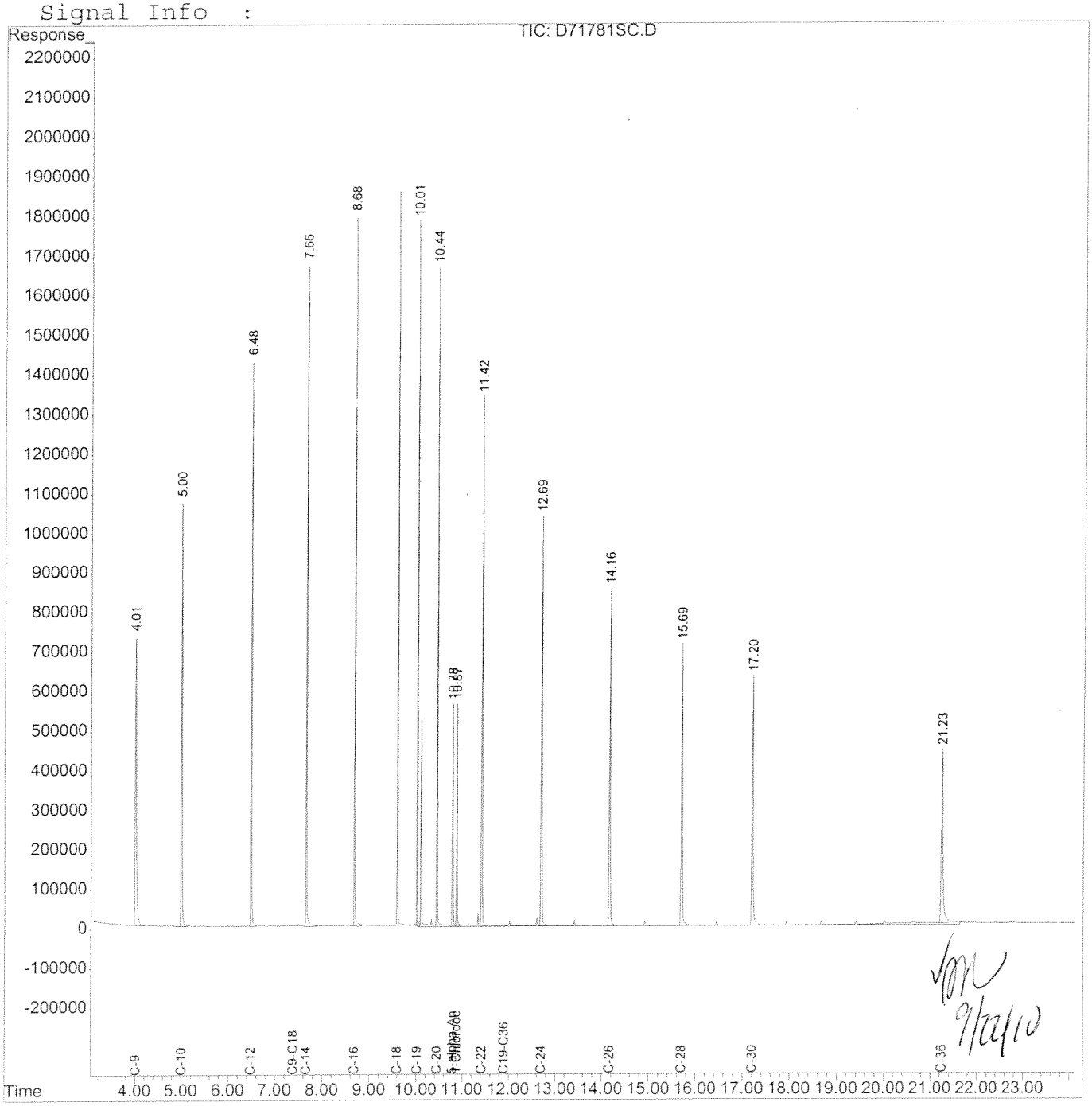
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71781SC.D
Acq On : 22 Sep 2010 12:57 pm
Sample : S10042 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Sep 22 15:11 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71782SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.2	6.9	
C-10	37.0	7.6	
C-12	36.2	9.5	
C-14	35.5	11.2	
C-16	37.4	6.5	
C-18	36.6	8.5	
C-19	36.8	8.0	
C-20	37.0	7.5	
1-Chlorooctadecane	15.6	2.3	
C-22	35.5	11.2	
C-24	36.9	7.8	
C-26	36.9	7.7	
C-28	37.3	6.7	
C-30	38.9	2.6	
C-36	44.4	11.0	

C9-C18 Aliphatics	219.9	8.4	
C19-C36 Aliphatics	303.8	5.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/22/10

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71782SC.D Vial: 2
Acq On : 22 Sep 2010 1:28 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 15:11 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6791188	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	6514739	15.632 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	78.16%
Target Compounds			
2) TZM C-9	4.01	15696261	37.222 ug/ml
3) TZM C-10	5.00	15943951	36.971 ug/ml
4) TZM C-12	6.49	16763192	36.196 ug/ml
5) TZM C-14	7.66	16872028	35.521 ug/ml
6) TZM C-16	8.68	17149618	37.404 ug/ml
7) TZM C-18	9.59	16700127	36.619 ug/ml
8) XH C9-C18	7.38	116465865	258.275 ug/ml
9) TZM C-19	10.02	16605310	36.810 ug/ml
10) TZM C-20	10.45	16362358	37.011 ug/ml
12) TZM C-22	11.42	15548819	35.502 ug/ml
13) TZM C-24	12.70	15509982	36.896 ug/ml
14) TZM C-26	14.16	14369907	36.907 ug/ml
15) TZM C-28	15.70	12755444	37.333 ug/ml
16) TZM C-30	17.20	11981197	38.950 ug/ml
17) TZM C-36	21.24	11022028	44.405 ug/ml
18) XH C19-C36	11.90	122466839	327.318 ug/ml

9/22/10

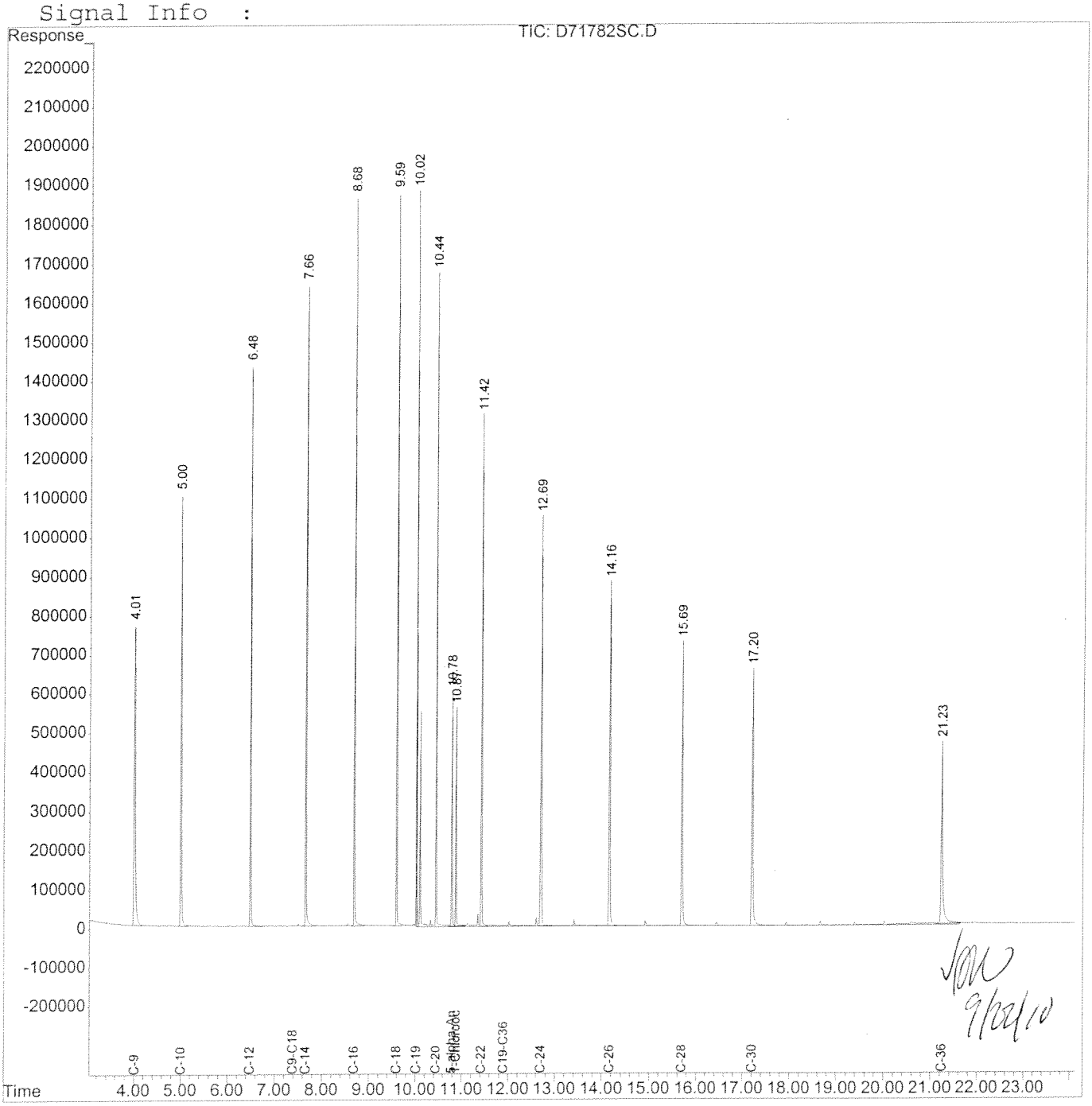
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71782SC.D Vial: 2
Acq On : 22 Sep 2010 1:28 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 15:11 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

J9220

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71784SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.0	0.0	
C-10	39.9	0.3	
C-12	37.6	5.9	
C-14	37.5	6.2	
C-16	37.7	5.7	
C-18	38.2	4.6	
C-19	37.0	7.4	
C-20	37.6	6.0	
1-Chlorooctadecane	15.7	1.9	
C-22	37.2	7.0	
C-24	37.5	6.2	
C-26	36.8	7.9	
C-28	38.1	4.7	
C-30	39.1	2.2	
C-36	42.6	6.5	

C9-C18 Aliphatics	230.9	3.8	
C19-C36 Aliphatics	306.0	4.4	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

VOM
9/22/10

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71784SC.D Vial: 2
Acq On : 22 Sep 2010 2:28 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 15:10 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9-22-10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6502568	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	6262027	15.693 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	78.46%
Target Compounds			
2) TZM C-9	4.01	16143898	39.982 ug/ml
3) TZM C-10	5.00	16473905	39.896 ug/ml
4) TZM C-12	6.49	16691302	37.640 ug/ml
5) TZM C-14	7.66	17064115	37.520 ug/ml
6) TZM C-16	8.68	16557188	37.714 ug/ml
7) TZM C-18	9.60	16663356	38.160 ug/ml
8) XH C9-C18	7.38	115686767	267.935 ug/ml
9) TZM C-19	10.02	16001955	37.047 ug/ml
10) TZM C-20	10.45	15917357	37.602 ug/ml
12) TZM C-22	11.42	15591859	37.181 ug/ml
13) TZM C-24	12.70	15108965	37.537 ug/ml
14) TZM C-26	14.17	13730996	36.831 ug/ml
15) TZM C-28	15.70	12465786	38.105 ug/ml
16) TZM C-30	17.20	11520666	39.115 ug/ml
17) TZM C-36	21.24	10047243	42.611 ug/ml
18) XH C19-C36	11.90	117550689	328.124 ug/ml

JM
9/22/10

(f)=RT Delta > 1/2 Window (m)=manual int.

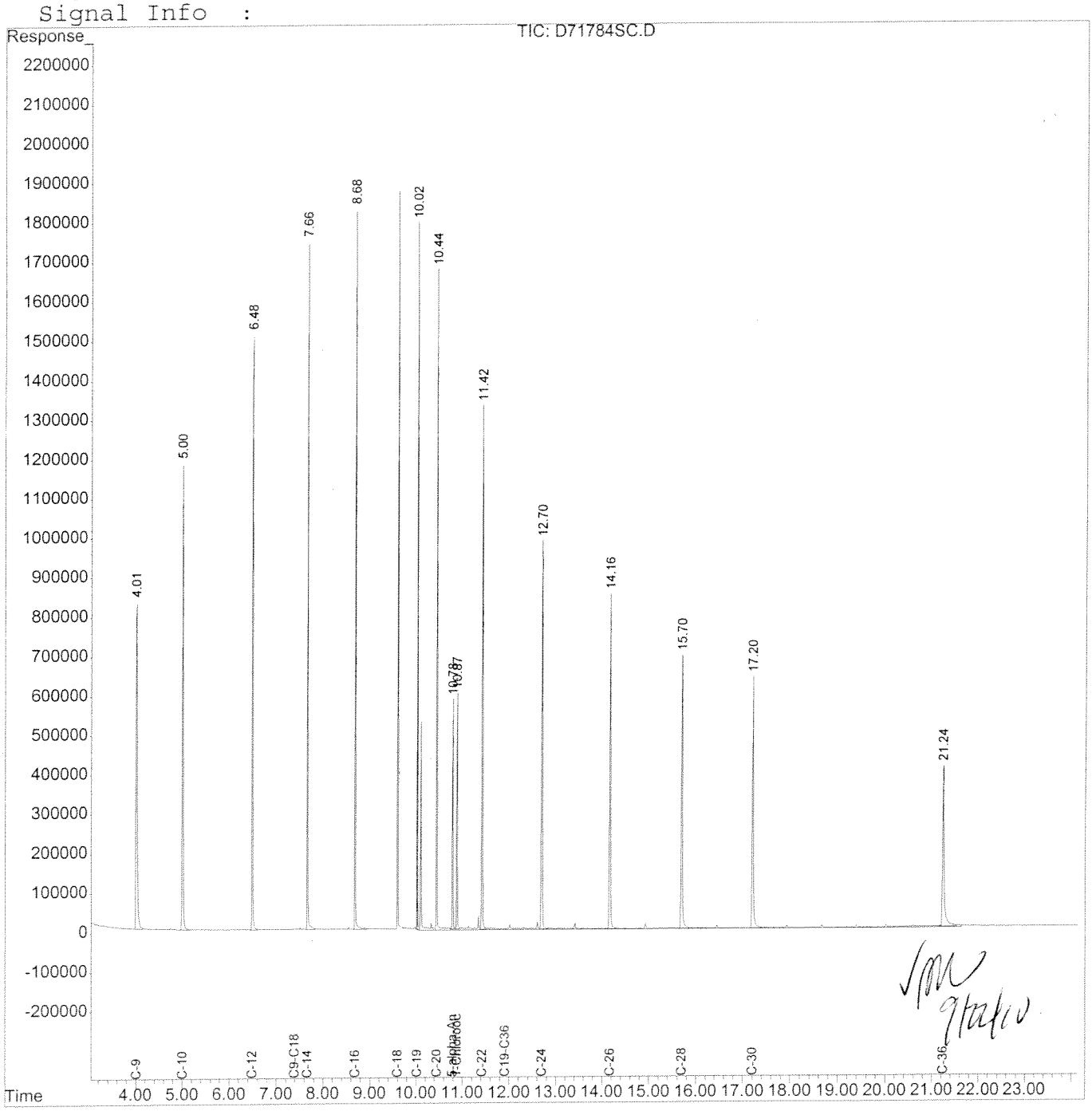
Data File : D:\HPCHEM\1\DATA\092110-D\D71784SC.D
Acq On : 22 Sep 2010 2:28 pm
Sample : S10042 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Sep 22 15:10 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

592210

Volume Inj. :
Signal Phase :
Signal Info :



9/22/10

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

OK 9/23/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71799SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.6	5.9	
C-10	38.2	4.4	
C-12	37.1	7.4	
C-14	36.9	7.9	
C-16	37.3	6.7	
C-18	34.9	12.7	
C-19	35.8	10.5	
C-20	35.8	10.4	
1-Chlorooctadecane	15.9	0.7	
C-22	36.4	9.1	
C-24	35.1	12.3	
C-26	37.1	7.3	
C-28	39.3	1.8	
C-30	38.8	3.0	
C-36	41.9	4.8	

C9-C18 Aliphatics	222.0	7.5	
C19-C36 Aliphatics	300.2	6.2	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

392310

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71799SC.D Vial: 2
Acq On : 22 Sep 2010 11:00 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:13 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PN 9/23/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6936199	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	6760747	15.883 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.41%
Target Compounds			
2) TZM C-9	4.01	16203362	37.621 ug/ml
3) TZM C-10	5.00	16847419	38.249 ug/ml
4) TZM C-12	6.48	17528890	37.058 ug/ml
5) TZM C-14	7.66	17878002	36.852 ug/ml
6) TZM C-16	8.68	17467665	37.301 ug/ml
7) TZM C-18	9.59	16270779	34.932 ug/ml
8) XH C9-C18	7.38	120709969	262.091 ug/ml
9) TZM C-19	10.02	16500991	35.814 ug/ml
10) TZM C-20	10.44	16178109	35.829 ug/ml
12) TZM C-22	11.42	16272430	36.378 ug/ml
13) TZM C-24	12.69	15067497	35.094 ug/ml
14) TZM C-26	14.16	14746754	37.083 ug/ml
15) TZM C-28	15.69	13701115	39.263 ug/ml
16) TZM C-30	17.20	12186097	38.788 ug/ml
17) TZM C-36	21.23	10510474	41.921 ug/ml
18) XH C19-C36	11.90	122650452	320.956 ug/ml

JG 2310

(f)=RT Delta > 1/2 Window (m)=manual int.

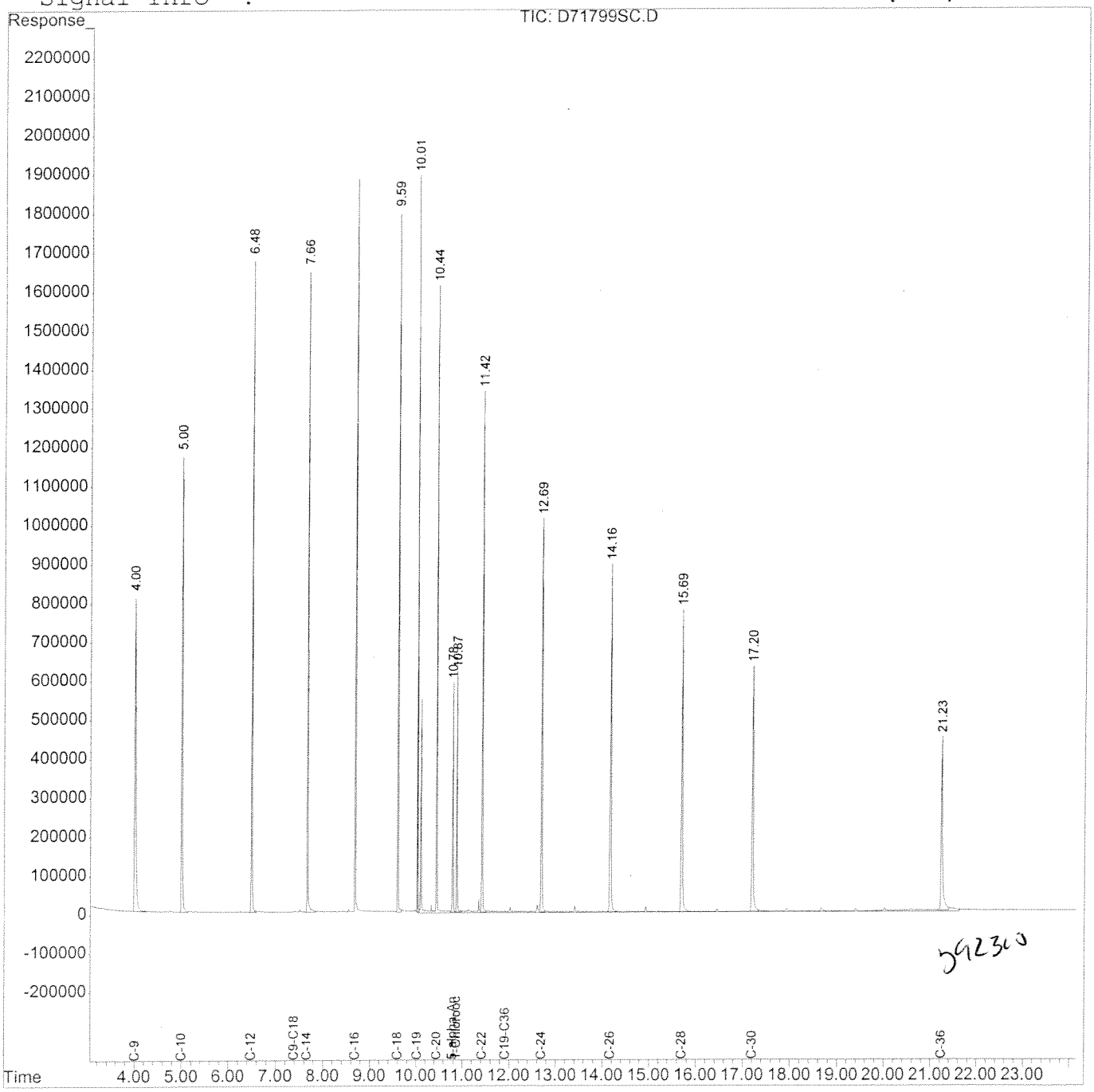
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71799SC.D Vial: 2
Acq On : 22 Sep 2010 11:00 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:13 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/23/10



592360

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

9/23/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71800SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.3	6.8	
C-10	38.2	4.4	
C-12	35.3	11.6	
C-14	36.4	8.9	
C-16	36.5	8.8	
C-18	35.9	10.2	
C-19	34.8	12.9	
C-20	35.9	10.2	
1-Chlorooctadecane	15.8	1.2	
C-22	36.0	10.0	
C-24	35.5	11.2	
C-26	36.6	8.5	
C-28	37.5	6.2	
C-30	39.3	1.8	
C-36	42.9	7.1	

C9-C18 Aliphatics	219.7	8.5	
C19-C36 Aliphatics	298.5	6.7	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

592310

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71800SC.D Vial: 2
Acq On : 22 Sep 2010 11:30 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:13 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

PN 9/23/10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	7056340	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	6841826	15.800 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.00%
Target Compounds			
2) TZM C-9	4.01	16328961	37.267 ug/ml
3) TZM C-10	5.00	17129452	38.228 ug/ml
4) TZM C-12	6.48	17007948	35.344 ug/ml
5) TZM C-14	7.66	17978054	36.427 ug/ml
6) TZM C-16	8.68	17375077	36.471 ug/ml
7) TZM C-18	9.59	17028701	35.936 ug/ml
8) XH C9-C18	7.38	124566646	265.860 ug/ml
9) TZM C-19	10.02	16327547	34.834 ug/ml
10) TZM C-20	10.44	16501437	35.923 ug/ml
12) TZM C-22	11.42	16379867	35.994 ug/ml
13) TZM C-24	12.69	15511281	35.513 ug/ml
14) TZM C-26	14.16	14804657	36.594 ug/ml
15) TZM C-28	15.69	13321902	37.526 ug/ml
16) TZM C-30	17.20	12549926	39.266 ug/ml
17) TZM C-36	21.23	10978480	42.859 ug/ml
18) XH C19-C36	11.90	122368966	314.767 ug/ml

>92310

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

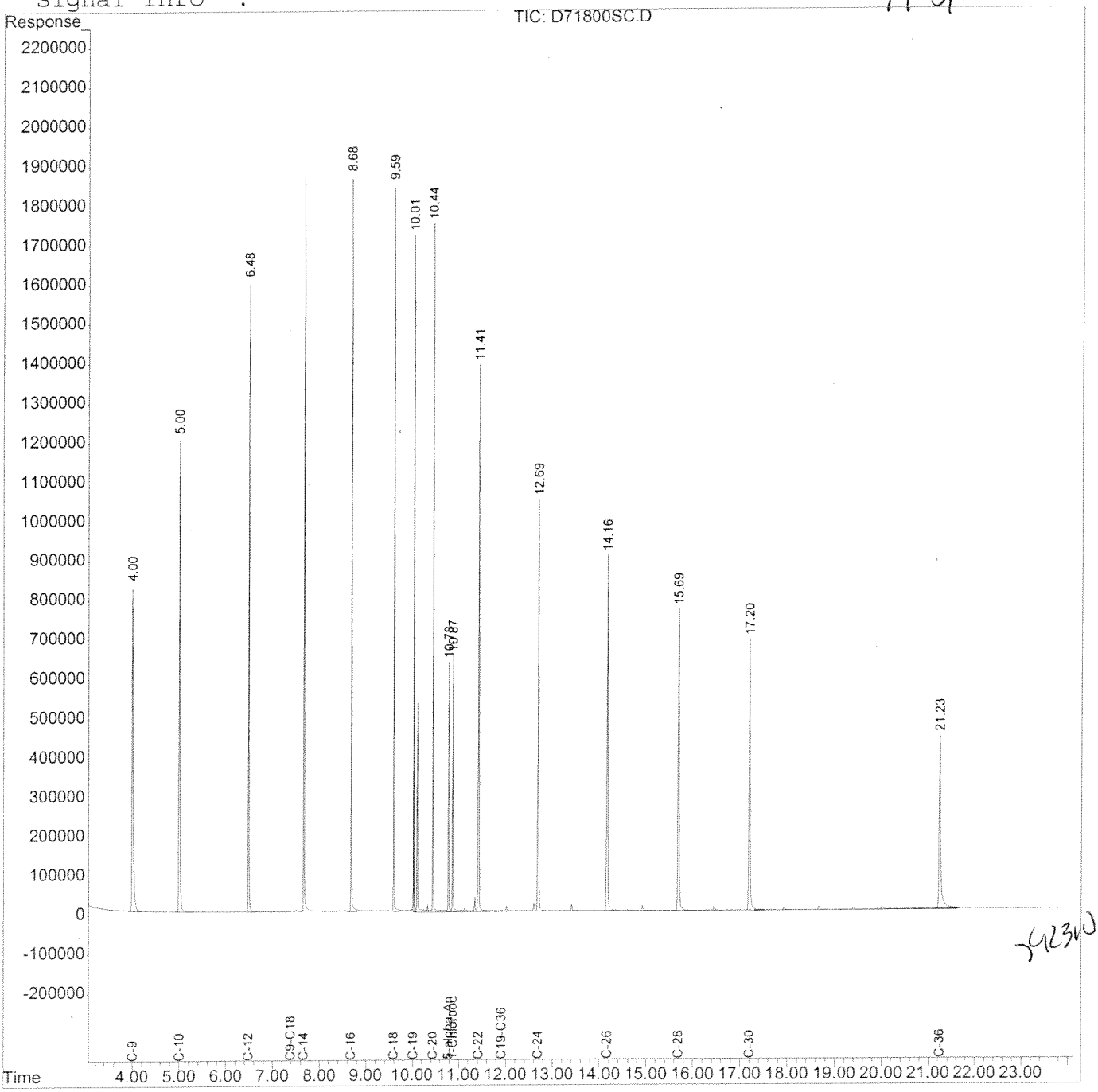
Data File : D:\HPCHEM\1\DATA\092110-D\D71800SC.D
Acq On : 22 Sep 2010 11:30 pm
Sample : S10042 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Sep 23 3:13 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/23/10



EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

392210

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: J35962SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.6	3.1	
2-Methylnaphthalene	21.6	7.8	
Acenaphthylene	21.2	6.0	
Acenaphthene	21.1	5.6	
Fluorene	21.6	8.2	
Phenanthrene	21.4	7.1	
Anthracene	21.6	8.2	
2-Fluorobiphenyl	12.5	4.4	
2-Bromonaphthalene	12.7	6.1	
o-terphenyl	8.4	4.8	
Fluoranthene	22.4	12.0	
Pyrene	22.0	9.9	
Benzo[a]anthracene	21.8	8.8	
Chrysene	21.4	6.8	
Benzo[b] fluoranthene	21.5	7.4	
Benzo[k] fluoranthene	21.6	8.1	
Benzo[a] pyrene	21.6	7.8	
Indeno [1,2,3-cd] pyrene	21.3	6.3	
Dibenz [a,h] anthracene	21.2	5.9	
Benzo(g,h,i) perylene	21.3	6.4	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/23/10

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35962SC.D
Acq On : 22 Sep 2010 4:44 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

-5922W

Quant Time: Sep 22 18:55:20 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	99428	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	471039	12.52 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 62.60%		
10) 2-Bromonaphthalene	5.961	206	218944	12.73 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 63.65%		
11) o-terphenyl	7.480	230	252587	8.39 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 41.95%		

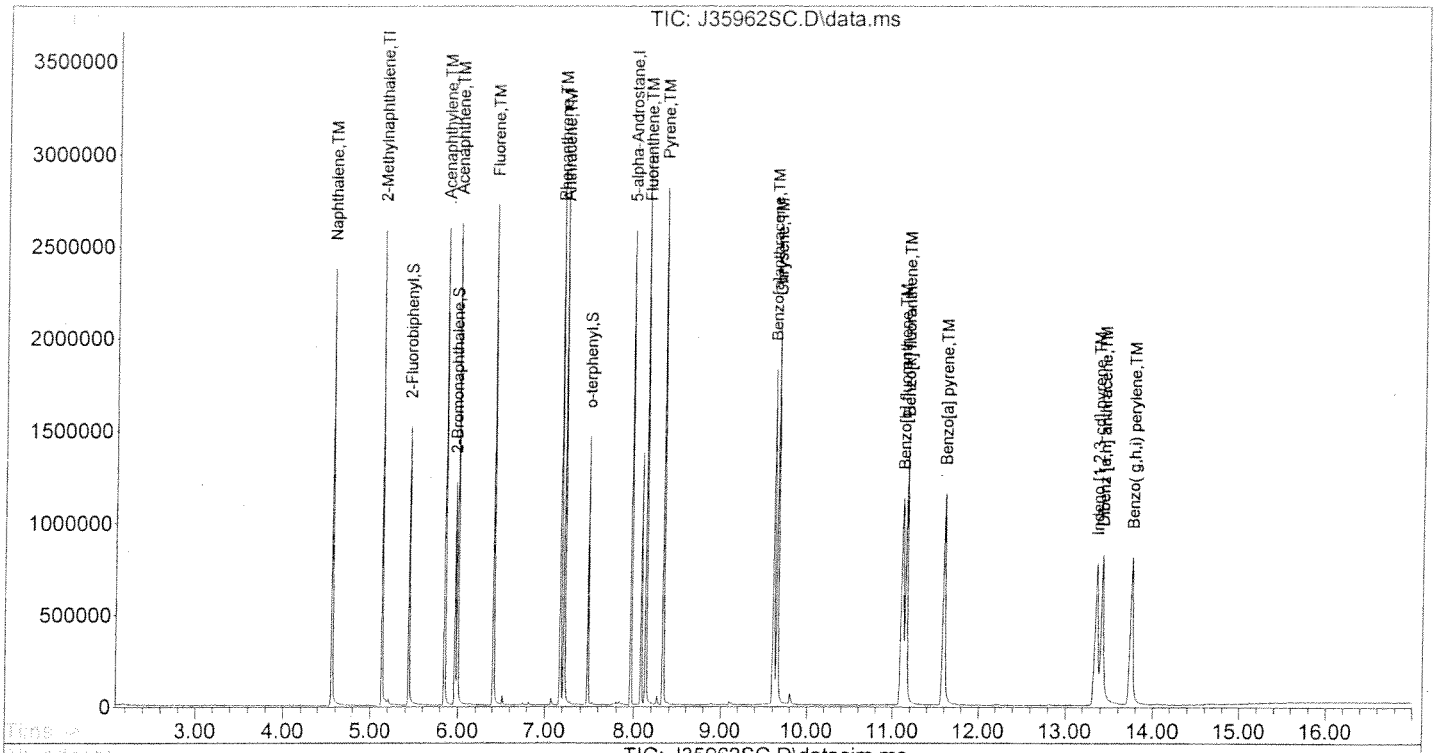
Target Compounds					Qvalue
2) Naphthalene	4.561	128	957775	20.62 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	550352	21.55 ug/ml	99
4) Acenaphthylene	5.855	152	1054730	21.20 ug/ml	99
5) Acenaphthene	5.997	154	570305	21.12 ug/ml	99
6) Fluorene	6.412	166	742488	21.65 ug/ml	100
7) Phenanthrene	7.175	178	1069310	21.41 ug/ml	100
8) Anthracene	7.217	178	1069754	21.64 ug/ml	100
12) Fluoranthene	8.136	202	1203827	22.41 ug/ml	100
13) Pyrene	8.328	202	1244835	21.97 ug/ml	100
14) Benzo[a]anthracene	9.609	228	1034056	21.75 ug/ml	98
15) Chrysene	9.656	228	993193	21.36 ug/ml	100
16) Benzo[b] fluoranthene	11.109	252	897353	21.49 ug/ml	99
17) Benzo[k] fluoranthene	11.157	252	893577	21.61 ug/ml	97
18) Benzo[a] pyrene	11.598	252	858409	21.57 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.352	276	679533	21.26 ug/ml	98
20) Dibenz [a,h] anthracene	13.416	278	647904	21.18 ug/ml	99
21) Benzo(g,h,i) perylene	13.757	276	735798	21.28 ug/ml	99

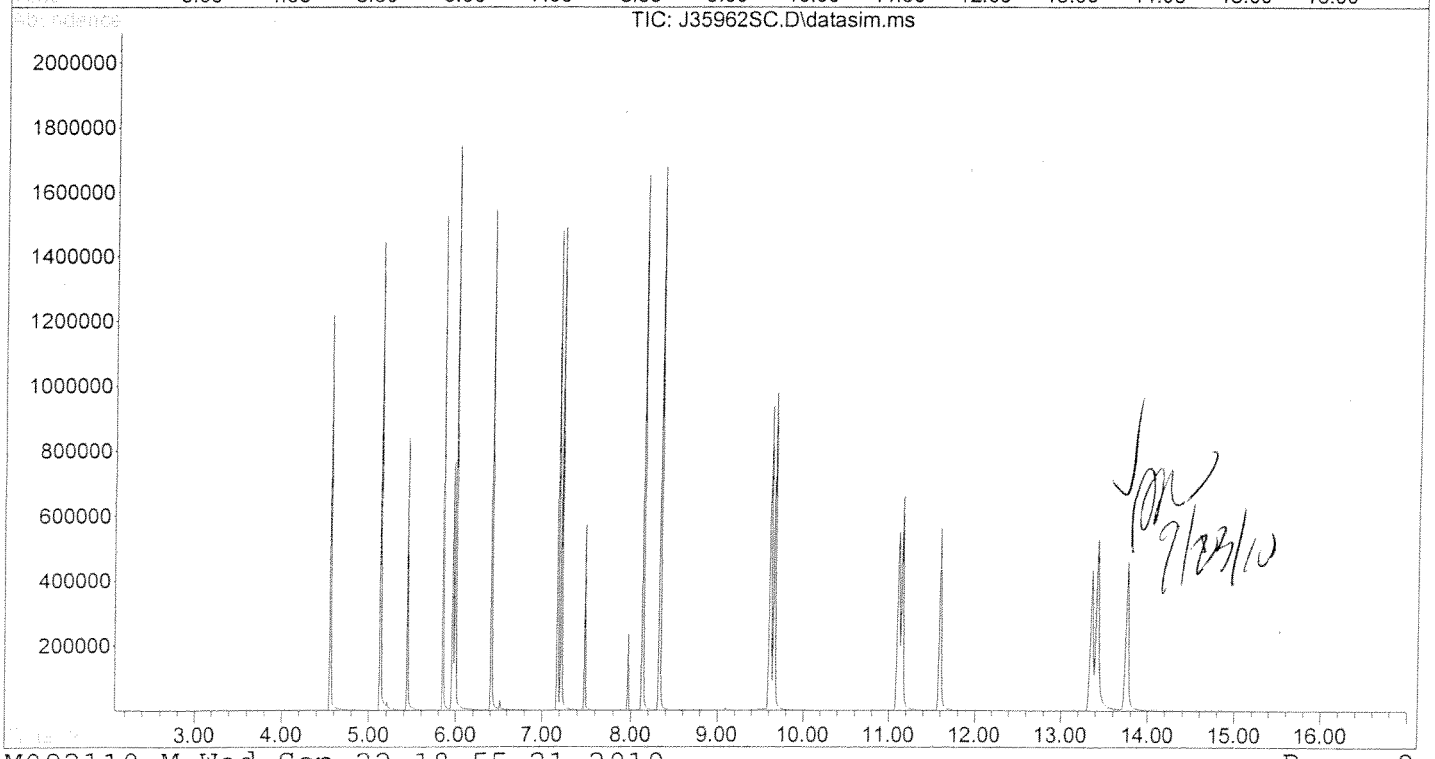
(#) = qualifier out of range (m) = manual integration (+) = signals summed

9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35962SC.D
Acq On : 22 Sep 2010 4:44 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 22 18:55:20 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





GC AROMATIC
CONT CALIBRATION
CHECK

Data File Name J35962SC.D
Sample Name S10041 ARO 20
Date Acquired 9/22/2010 16:44

Name	Amount	UG/L EXPECTED	% DIFFERENCE	LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.36	20	2	20	OK	20.36		
2-Methylnaphthalene	20.94	20	5	20	OK	20.94		
Acenaphthylene	20.88	20	4	20	OK	20.88		
Acenaphthene	21.40	20	7	20	OK	21.40		
Fluorene	21.18	20	6	20	OK	21.18		
Phenanthrene	21.14	20	6	20	OK	21.14		
Anthracene	21.71	20	9	20	OK	21.71		
Fluoranthene	21.74	20	9	20	OK	21.74		
Pyrene	21.40	20	7	20	OK	21.40		
Benzo[a]anthracene	21.46	20	7	20	OK	21.46		
Chrysene	21.95	20	10	20	OK	21.95		
Benzo[b] fluoranthene	20.44	20	2	20	OK	20.44		
Benzo[k] fluoranthene	21.29	20	6	20	OK	21.29		
Benzo[a] pyrene	21.75	20	9	20	OK	21.75		
Indeno [1,2,3-cd] pyrene	20.08	20	0	20	OK	20.08		
Dibenz [a,h] anthracene	19.76	20	1	20	OK	19.76		
Benzo(g,h,i) perylene	20.97	20	5	20	OK	20.97		
c11-c22		340				**358.47**	105%	OK

9/23/10

9/23/2010 2:31 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG PT3SUMPRCTOPEN.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35962SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 4:44 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:14 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

PM 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	22363290	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	13871280	12.445 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	62.22%
10) S 2-Bromonaphthalene	5.965	10791398	12.749 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.75%
11) S o-terphenyl	7.481	11928262	8.171 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	40.85%
Target Compounds			
2) TZ Naphthalene	4.562	20621486	20.365 ug/ml
3) TZ 2-Methylnaphthalene	5.132	21281420	20.942 ug/ml
4) TZ Acenaphthylene	5.854	22075954	20.877 ug/ml
5) TZ Acenaphthene	5.996	24124571	21.402 ug/ml
6) TZ Fluorene	6.412	24526950	21.180 ug/ml
7) TZ Phenanthrene	7.178	25125218	21.143 ug/ml
8) TZ Anthracene	7.220	24077054	21.714 ug/ml
12) TZ Fluoranthene	8.137	27127578	21.737 ug/ml
13) TZ Pyrene	8.331	28040590	21.405 ug/ml
14) TZ Benzo[a]anthracene	9.611	24896599	21.458 ug/ml
15) TZ Chrysene	9.658	26105720	21.949 ug/ml
16) TZ Benzo[b] fluoranthene	11.113	21979192	20.445 ug/ml
17) TZ Benzo[k] fluoranthene	11.159	22743250	21.288 ug/ml
18) TZ Benzo[a] pyrene	11.598	22102996	21.749 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.354	17168639	20.080 ug/ml
20) TZ Dibenz [a,h] anthracene	13.419	19766517	19.762 ug/ml
21) TZ Benzo(g,h,i) perylene	13.758	20104185	20.971 ug/ml
22) XH c11-c22	12.565	428393577	388.552 ug/ml

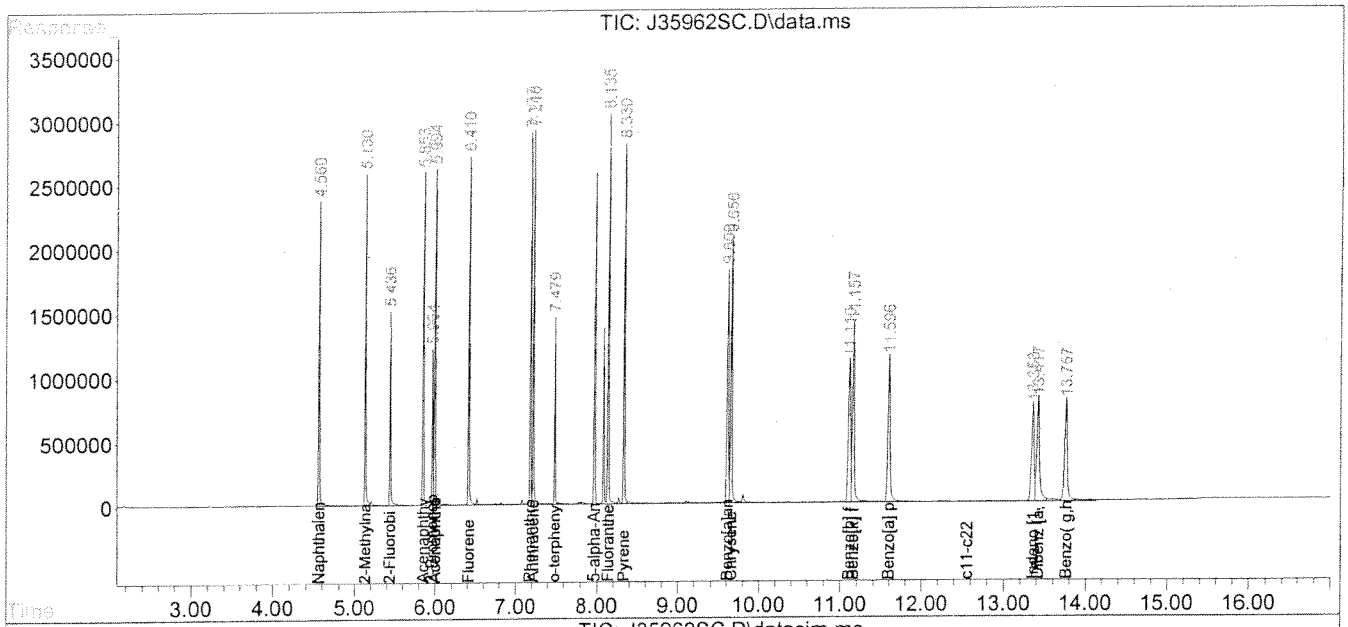
(f)=RT Delta > 1/2 Window (m)=manual int 9/23/10

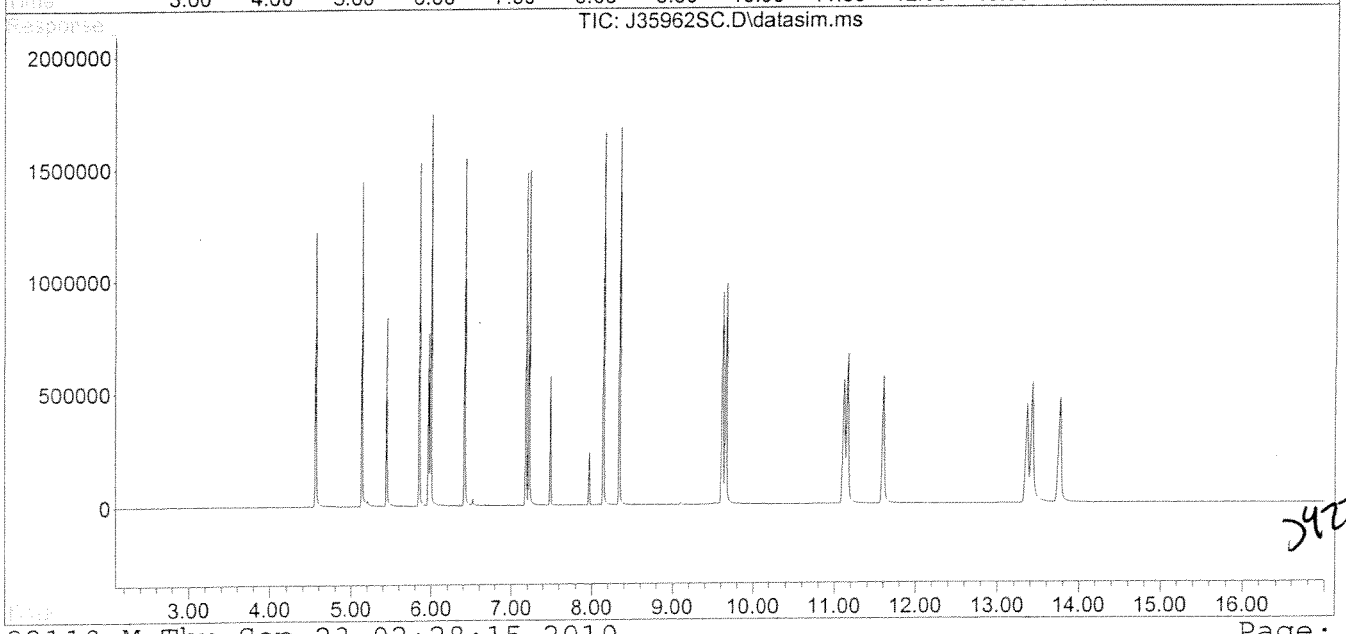
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35962SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 4:44 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:14 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





342310

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: J35989SC.D

MV 9/23/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.2	0.8	
2-Methylnaphthalene	20.8	3.9	
Acenaphthylene	20.6	3.2	
Acenaphthene	20.4	2.1	
Fluorene	21.0	4.9	
Phenanthrene	20.7	3.5	
Anthracene	21.2	5.8	
2-Fluorobiphenyl	12.1	0.9	
2-Bromonaphthalene	12.1	0.4	
o-terphenyl	8.1	1.6	
Fluoranthene	21.5	7.4	
Pyrene	21.3	6.4	
Benzo[a]anthracene	20.3	1.6	
Chrysene	20.5	2.7	
Benzo[b] fluoranthene	20.2	0.9	
Benzo[k] fluoranthene	20.9	4.7	
Benzo[a] pyrene	20.4	2.2	
Indeno [1,2,3-cd] pyrene	20.1	0.7	
Dibenz [a,h] anthracene	20.3	1.4	
Benzo(g,h,i) perylene	20.1	0.6	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

J92360

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35989SC.D
Acq On : 23 Sep 2010 3:27 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 03:55:47 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

9/27/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	100074	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	458340	12.11 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 60.55%		
10) 2-Bromonaphthalene	5.962	206	208641	12.05 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 60.25%		
11) o-terphenyl	7.480	230	246463	8.13 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 40.65%		
Target Compounds					Qvalue
2) Naphthalene	4.561	128	944658	20.17 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	535764	20.77 ug/ml	99
4) Acenaphthylene	5.855	152	1035982	20.64 ug/ml	100
5) Acenaphthene	5.991	154	556628	20.42 ug/ml	99
6) Fluorene	6.412	166	726223	20.97 ug/ml	100
7) Phenanthrene	7.175	178	1044197	20.71 ug/ml	99
8) Anthracene	7.218	178	1055233	21.16 ug/ml	100
12) Fluoranthene	8.136	202	1166575	21.48 ug/ml	100
13) Pyrene	8.328	202	1216915	21.27 ug/ml	99
14) Benzo[a]anthracene	9.609	228	972742	20.33 ug/ml	99
15) Chrysene	9.653	228	961420	20.55 ug/ml	100
16) Benzo[b] fluoranthene	11.112	252	848270	20.18 ug/ml	99
17) Benzo[k] fluoranthene	11.157	252	871544	20.95 ug/ml	98
18) Benzo[a] pyrene	11.595	252	818702	20.44 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.353	276	647912	20.14 ug/ml	98
20) Dibenz [a,h] anthracene	13.416	278	624178	20.27 ug/ml	99
21) Benzo(g,h,i) perylene	13.757	276	700449	20.13 ug/ml	99

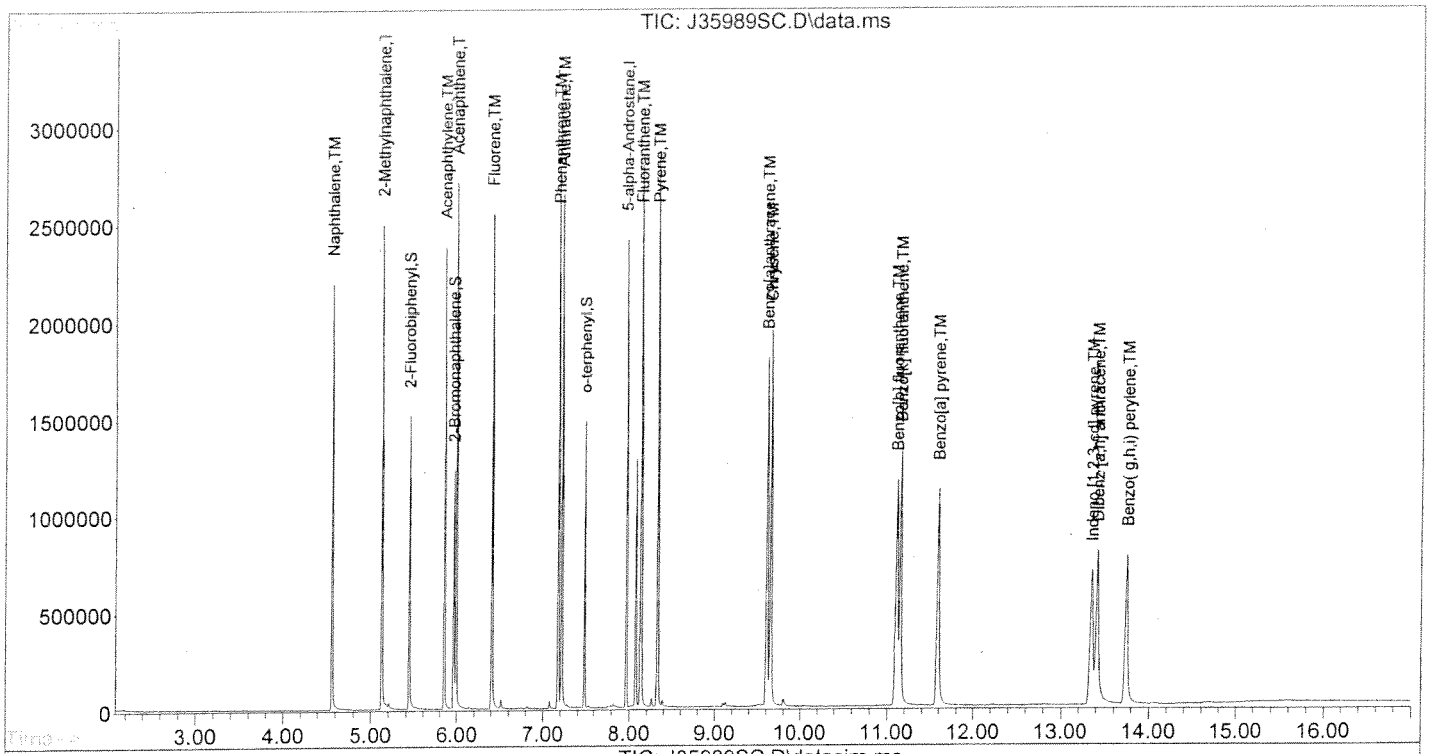
(#) = qualifier out of range (m) = manual integration (+) = signals summed

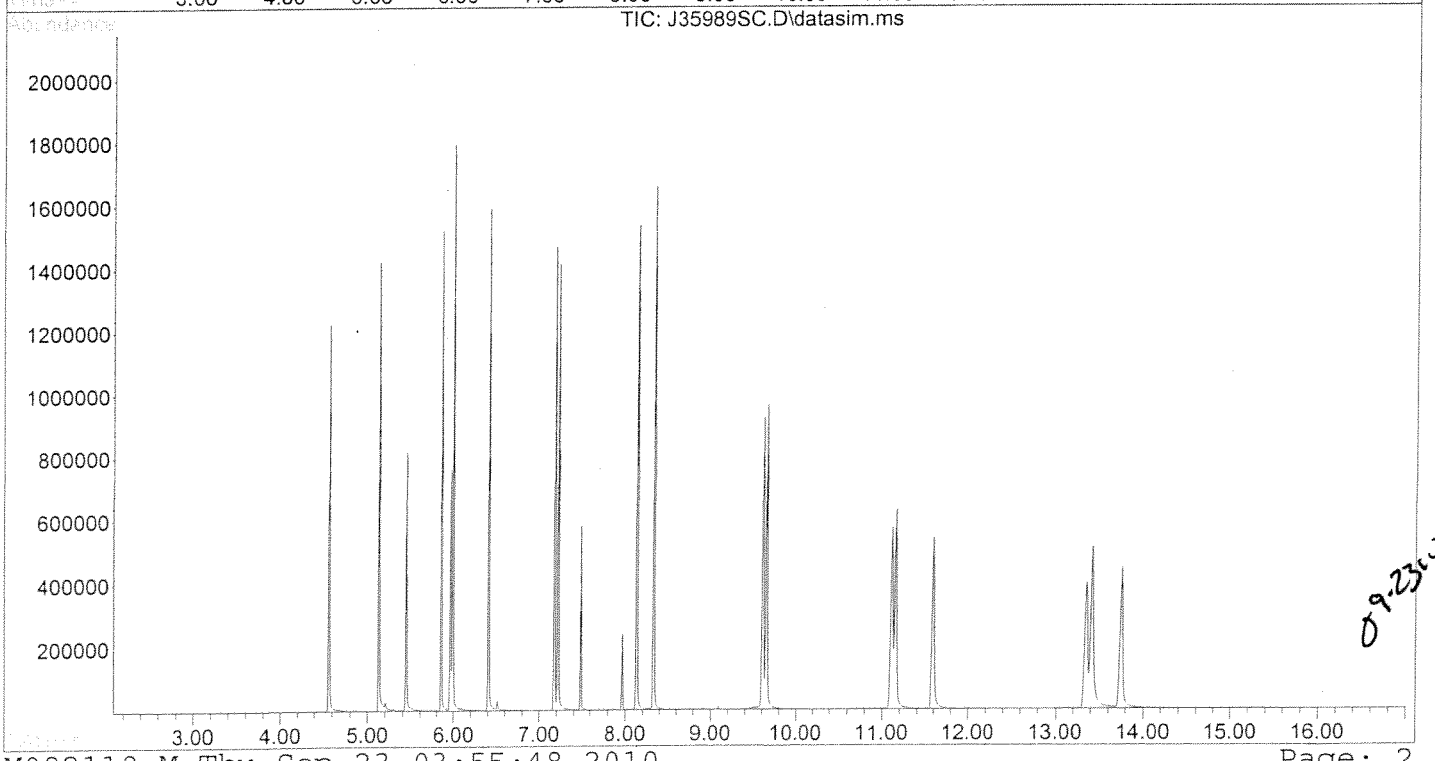
092300

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35989SC.D
Acq On : 23 Sep 2010 3:27 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 03:55:47 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

AN 9/23/10





09-23-10

9/23/10

GC AROMATIC
CLOSING
CONT CALIBRATION
CHECK

Data File Name J35989SC.D
Sample Name S10041 ARO 20
Date Acquired 9/23/2010 3:27

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 4 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.33	20	2	20	OK	20.33		
2-Methylnaphthalene	20.67	20	3	20	OK	20.67		
Acenaphthylene	20.60	20	3	20	OK	20.60		
Acenaphthene	21.20	20	6	20	OK	21.20		
Fluorene	20.87	20	4	20	OK	20.87		
Phenanthrene	20.67	20	3	20	OK	20.67		
Anthracene	21.00	20	5	20	OK	21.00		
Fluoranthene	21.36	20	7	20	OK	21.36		
Pyrene	21.02	20	5	20	OK	21.02		
Benzo[a]anthracene	20.57	20	3	20	OK	20.57		
Chrysene	21.68	20	8	20	OK	21.68		
Benzo[b] fluoranthene	20.11	20	1	20	OK	20.11		
Benzo[k] fluoranthene	21.05	20	5	20	OK	21.05		
Benzo[a] pyrene	20.77	20	4	20	OK	20.77		
Indeno [1,2,3-cd] pyrene	19.40	20	3	20	OK	19.40		
Dibenz [a,h] anthracene	19.37	20	3	20	OK	19.37		
Benzo(g,h,i) perylene	20.06	20	0	20	OK	20.06		
c11-c22		340				**350.72**	103%	OK

J92360

9/23/2010 4:15 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG PT3SUMPRCTCLOS.CRT

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35989SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 3:27 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 04:15:19 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

MK 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	22108757	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	13544741	12.277 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	61.38%
10) S 2-Bromonaphthalene	5.965	10607182	12.676 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.38%
11) S o-terphenyl	7.480	11651496	8.063 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	40.31%
Target Compounds			
2) TZ Naphthalene	4.561	20356058	20.331 ug/ml
3) TZ 2-Methylnaphthalene	5.132	20796916	20.672 ug/ml
4) TZ Acenaphthylene	5.854	21568062	20.604 ug/ml
5) TZ Acenaphthene	5.995	23650657	21.198 ug/ml
6) TZ Fluorene	6.411	23929727	20.871 ug/ml
7) TZ Phenanthrene	7.178	24340342	20.665 ug/ml
8) TZ Anthracene	7.220	23119571	21.003 ug/ml
12) TZ Fluoranthene	8.136	26406700	21.356 ug/ml
13) TZ Pyrene	8.330	27273231	21.017 ug/ml
14) TZ Benzo[a]anthracene	9.610	23597148	20.572 ug/ml
15) TZ Chrysene	9.656	25522596	21.678 ug/ml
16) TZ Benzo[b] fluoranthene	11.112	21371779	20.108 ug/ml
17) TZ Benzo[k] fluoranthene	11.158	22253373	21.050 ug/ml
18) TZ Benzo[a] pyrene	11.596	20866739	20.769 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.354	16401330	19.403 ug/ml
20) TZ Dibenz [a,h] anthracene	13.418	19191554	19.368 ug/ml
21) TZ Benzo(g,h,i) perylene	13.757	19008524	20.056 ug/ml
22) XH c11-c22	12.565	429382507	393.932 ug/ml

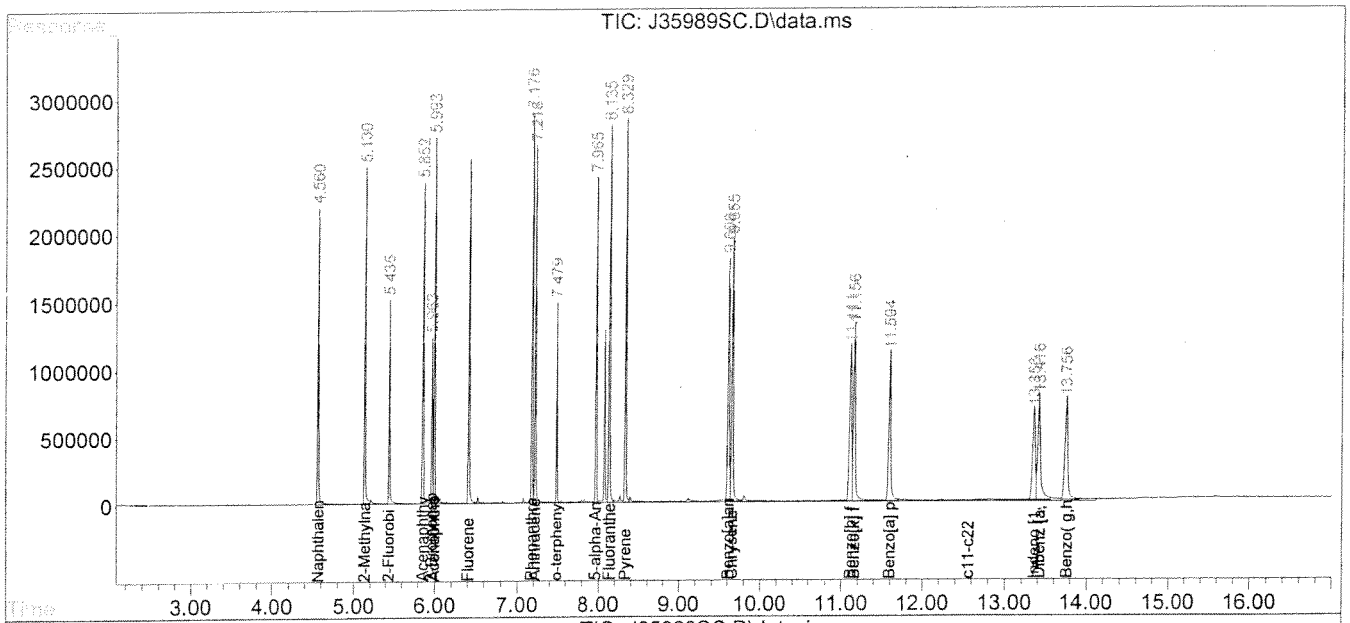
(f)=RT Delta > 1/2 Window (m)=manual int. JJ 9/23/10

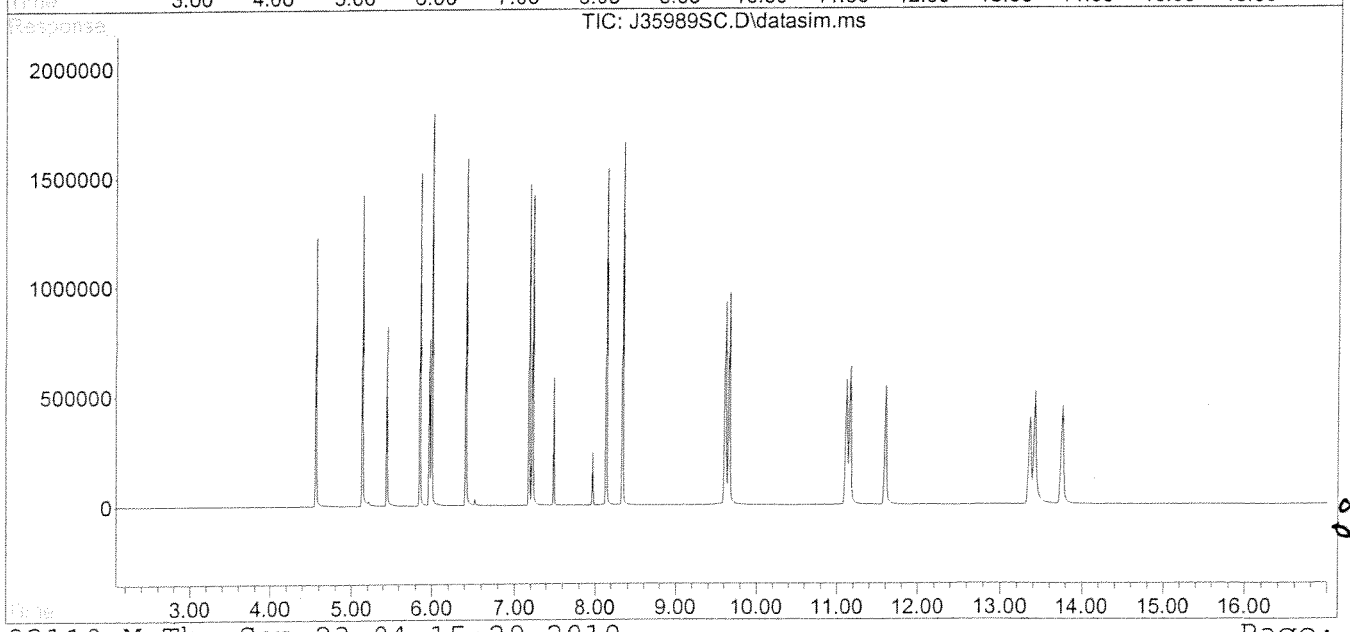
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35989SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 3:27 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 04:15:19 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

MK 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





09-23-10

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

PM 9/23/10

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: J35990SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.9	4.6	
2-Methylnaphthalene	21.2	5.9	
Acenaphthylene	21.2	5.9	
Acenaphthene	21.1	5.5	
Fluorene	21.6	8.1	
Phenanthrene	21.2	5.8	
Anthracene	21.6	8.2	
2-Fluorobiphenyl	12.6	4.9	
2-Bromonaphthalene	12.5	4.5	
o-terphenyl	8.4	4.5	
Fluoranthene	21.9	9.5	
Pyrene	21.3	6.3	
Benzo[a]anthracene	20.8	3.8	
Chrysene	20.9	4.6	
Benzo[b] fluoranthene	20.8	3.9	
Benzo[k] fluoranthene	21.5	7.6	
Benzo[a] pyrene	21.1	5.3	
Indeno [1,2,3-cd] pyrene	20.7	3.3	
Dibenz [a,h] anthracene	20.7	3.4	
Benzo(g,h,i) perylene	20.6	2.9	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

092310

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35990SC.D
Acq On : 23 Sep 2010 3:49 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

MK 9/03/10

Quant Time: Sep 23 04:07:12 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	98679	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	469770	12.59 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 62.95%		
10) 2-Bromonaphthalene	5.961	206	214166	12.55 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 62.75%		
11) o-terphenyl	7.480	230	249909	8.36 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 41.80%		

Target Compounds					Qvalue
2) Naphthalene	4.561	128	963347	20.92 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	537587	21.18 ug/ml	99
4) Acenaphthylene	5.855	152	1045777	21.18 ug/ml	100
5) Acenaphthene	5.997	154	565477	21.10 ug/ml	99
6) Fluorene	6.406	166	736135	21.62 ug/ml	100
7) Phenanthrene	7.175	178	1050012	21.16 ug/ml	100
8) Anthracene	7.217	178	1061936	21.65 ug/ml	100
12) Fluoranthene	8.136	202	1170654	21.90 ug/ml	100
13) Pyrene	8.328	202	1198959	21.25 ug/ml	100
14) Benzo[a]anthracene	9.609	228	979633	20.76 ug/ml	99
15) Chrysene	9.656	228	965247	20.92 ug/ml	100
16) Benzo[b] fluoranthene	11.109	252	860898	20.77 ug/ml	99
17) Benzo[k] fluoranthene	11.157	252	882920	21.52 ug/ml	98
18) Benzo[a] pyrene	11.595	252	831588	21.05 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.348	276	655701	20.67 ug/ml	99
20) Dibenz [a,h] anthracene	13.416	278	627574	20.67 ug/ml	99
21) Benzo(g,h,i) perylene	13.757	276	706192	20.58 ug/ml	99

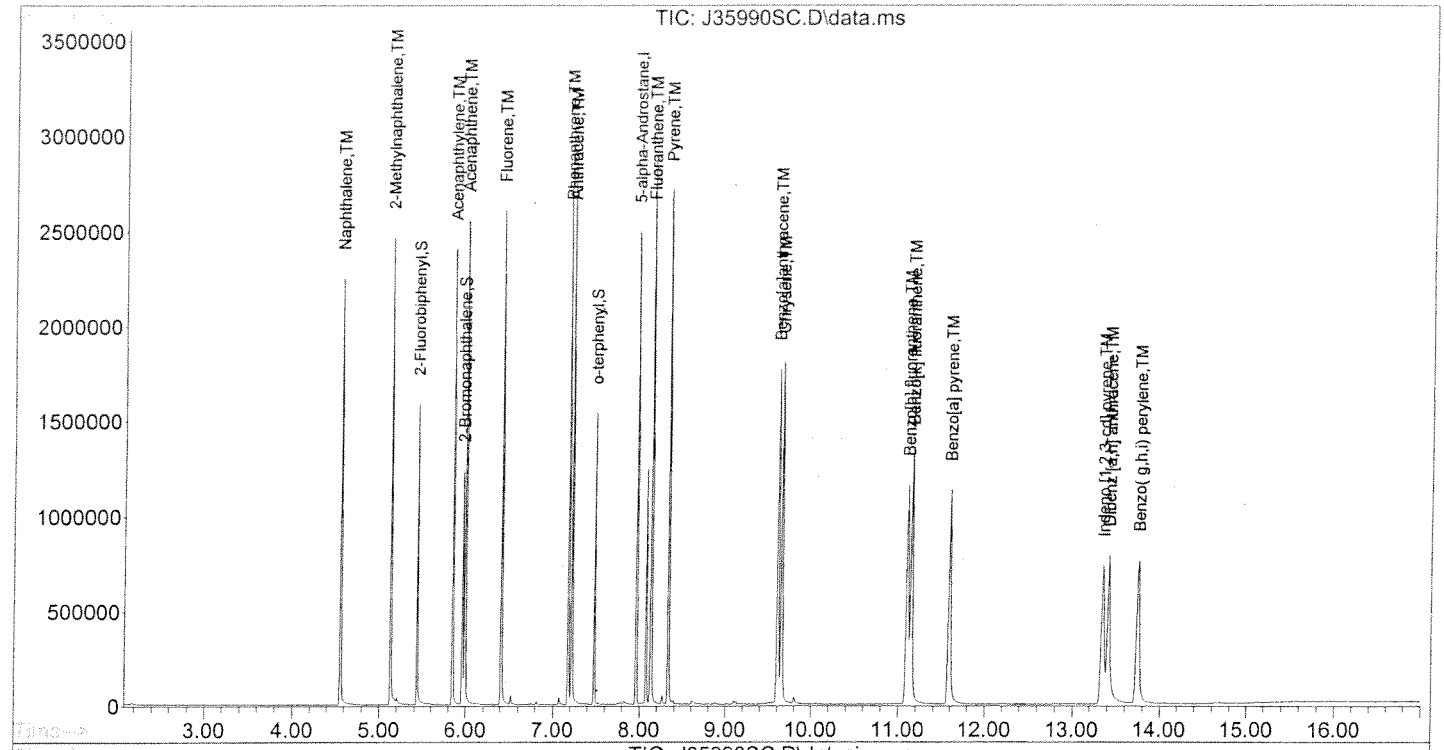
(#) = qualifier out of range (m) = manual integration (+) = signals summed

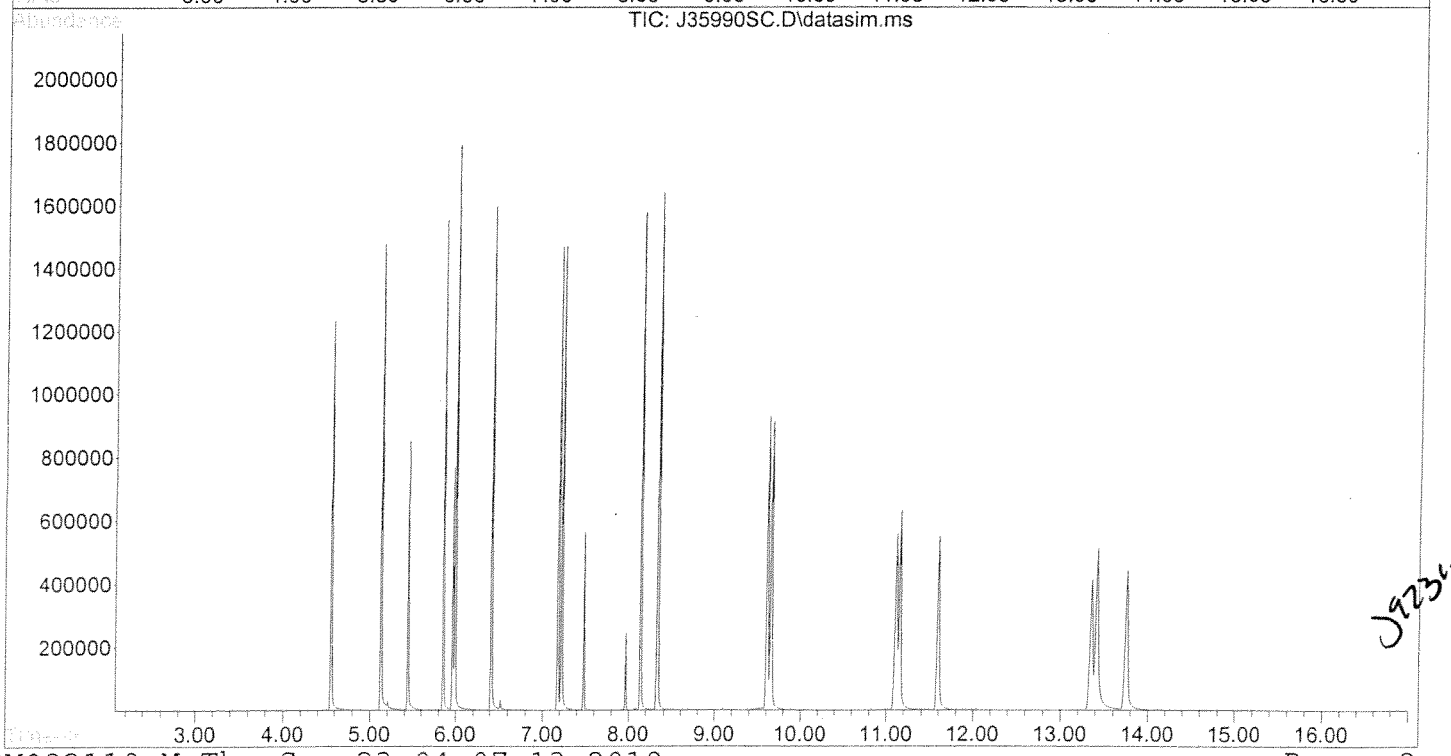
D92360

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35990SC.D
Acq On : 23 Sep 2010 3:49 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 04:07:12 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

MC 9/27/10





J92310

GC AROMATIC
CLOSING
CONT CALIBRATION
CHECK

Data File Name J35990SC.D
Sample Name S10041 ARO 20
Date Acquired 9/23/2010 3:49

9/23/10

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 4 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.67	20	3	20	OK	20.67		
2-Methylnaphthalene	20.91	20	5	20	OK	20.91		
Acenaphthylene	21.00	20	5	20	OK	21.00		
Acenaphthene	21.53	20	8	20	OK	21.53		
Fluorene	21.03	20	5	20	OK	21.03		
Phenanthrene	20.94	20	5	20	OK	20.94		
Anthracene	21.38	20	7	20	OK	21.38		
Fluoranthene	21.31	20	7	20	OK	21.31		
Pyrene	20.83	20	4	20	OK	20.83		
Benzo[a]anthracene	20.69	20	3	20	OK	20.69		
Chrysene	21.46	20	7	20	OK	21.46		
Benzo[b] fluoranthene	20.24	20	1	20	OK	20.24		
Benzo[k] fluoranthene	21.14	20	6	20	OK	21.14		
Benzo[a] pyrene	21.16	20	6	20	OK	21.16		
Indeno [1,2,3-cd] pyrene	19.82	20	1	20	OK	19.82		
Dibenz [a,h] anthracene	20.29	20	1	20	OK	20.29		
Benzo(g,h,i) perylene	20.45	20	2	20	OK	20.45		
c11-c22		340				**354.87**	104%	OK

J9/23/10

9/23/2010 4:15 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG PT3SUMPRCTCLOS.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35990SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 3:49 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 04:13:39 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

MV 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	22079908	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	13728810	12.478 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	62.39%
10) S 2-Bromonaphthalene	5.965	10641659	12.734 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.67%
11) S o-terphenyl	7.480	11786397	8.178 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	40.89%
Target Compounds			
2) TZ Naphthalene	4.561	20639082	20.675 ug/ml
3) TZ 2-Methylnaphthalene	5.132	20985213	20.913 ug/ml
4) TZ Acenaphthylene	5.853	21911273	20.999 ug/ml
5) TZ Acenaphthene	5.995	23944908	21.532 ug/ml
6) TZ Fluorene	6.411	24059399	21.027 ug/ml
7) TZ Phenanthrene	7.178	24596106	20.941 ug/ml
8) TZ Anthracene	7.220	23450928	21.379 ug/ml
12) TZ Fluoranthene	8.136	26320808	21.309 ug/ml
13) TZ Pyrene	8.331	27023996	20.833 ug/ml
14) TZ Benzo[a]anthracene	9.610	23697952	20.687 ug/ml
15) TZ Chrysene	9.656	25262205	21.464 ug/ml
16) TZ Benzo[b] fluoranthene	11.111	21483999	20.240 ug/ml
17) TZ Benzo[k] fluoranthene	11.157	22314799	21.143 ug/ml
18) TZ Benzo[a] pyrene	11.596	21228053	21.156 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.352	16734724	19.824 ug/ml
20) TZ Dibenz [a,h] anthracene	13.418	19981049	20.290 ug/ml
21) TZ Benzo(g,h,i) perylene	13.757	19360766	20.455 ug/ml
22) XH c11-c22	12.565	418203418	384.178 ug/ml

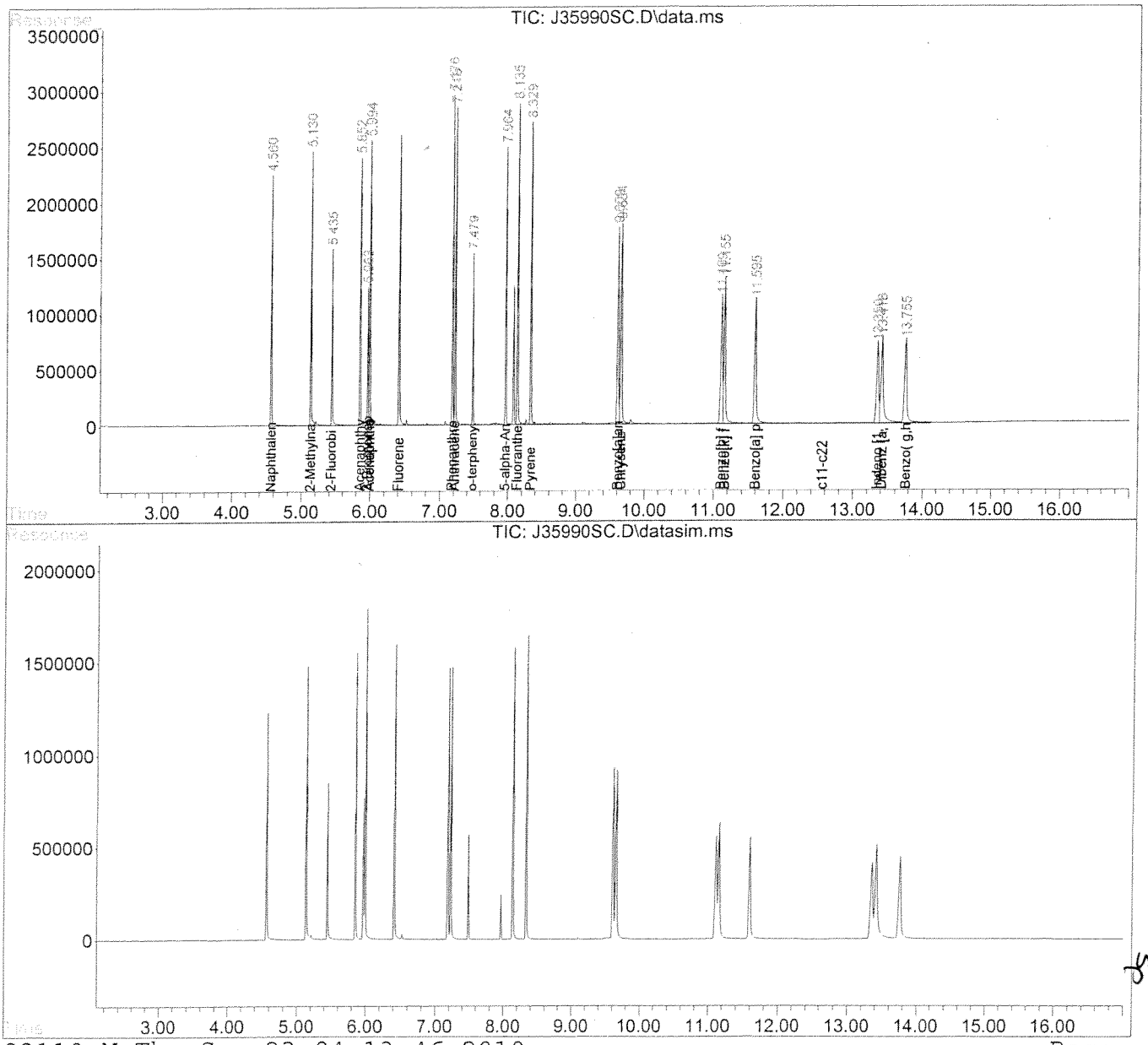
392360

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35990SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 3:49 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 04:13:39 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



J92310

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

OM 9/23/10

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71802SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	39.6	1.1	
C-10	40.7	1.8	
C-12	38.6	3.6	
C-14	37.9	5.3	
C-16	38.0	5.1	
C-18	38.8	3.0	
C-19	36.9	7.7	
C-20	36.8	8.0	
1-Chlorooctadecane	16.2	1.1	
C-22	38.2	4.6	
C-24	37.2	7.1	
C-26	37.5	6.2	
C-28	37.9	5.2	
C-30	38.8	2.9	
C-36	41.4	3.5	

C9-C18 Aliphatics	233.5	2.7	
C19-C36 Aliphatics	304.8	4.8	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

J92300

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71802SC.D Vial: 2
Acq On : 23 Sep 2010 12:30 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PM 9/23/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6579930	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	6528502	16.168 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	80.84%
Target Compounds			
2) TZM C-9	4.00	16163769	39.561 ug/ml
3) TZM C-10	5.00	17013886	40.719 ug/ml
4) TZM C-12	6.48	17301054	38.556 ug/ml
5) TZM C-14	7.66	17425035	37.863 ug/ml
6) TZM C-16	8.68	16867541	37.970 ug/ml
7) TZM C-18	9.59	17141128	38.793 ug/ml
8) XH C9-C18	7.38	120770431	276.420 ug/ml
9) TZM C-19	10.02	16133639	36.913 ug/ml
10) TZM C-20	10.44	15767922	36.811 ug/ml
12) TZM C-22	11.41	16190575	38.154 ug/ml
13) TZM C-24	12.69	15132157	37.153 ug/ml
14) TZM C-26	14.16	14161424	37.539 ug/ml
15) TZM C-28	15.69	12555995	37.930 ug/ml
16) TZM C-30	17.20	11575409	38.839 ug/ml
17) TZM C-36	21.23	9826381	41.413 ug/ml
18) XH C19-C36	11.90	115873752	319.640 ug/ml

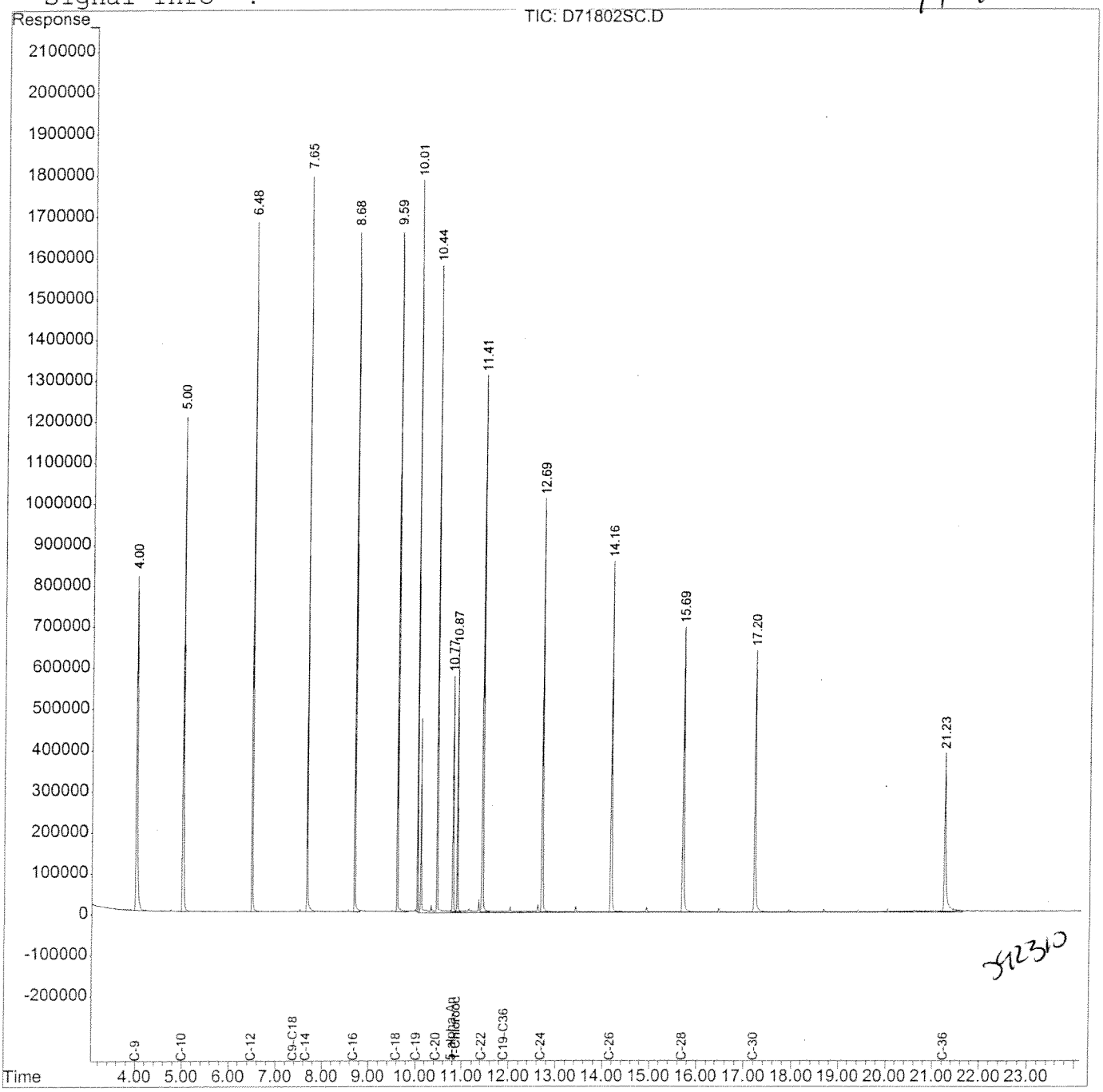
592310

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\092110-D\D71802SC.D Vial: 2
Acq On : 23 Sep 2010 12:30 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

J92310

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71815SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.6	5.9	
C-10	39.0	2.5	
C-12	37.7	5.6	
C-14	37.5	6.2	
C-16	38.4	4.0	
C-18	37.6	6.1	
C-19	36.9	7.8	
C-20	37.6	6.1	
1-Chlorooctadecane	16.2	1.2	
C-22	38.3	4.2	
C-24	38.1	4.8	
C-26	39.5	1.3	
C-28	41.6	4.0	
C-30	40.8	1.9	
C-36	44.9	12.3	

C9-C18 Aliphatics	227.9	5.0	
C19-C36 Aliphatics	317.6	0.8	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/23/10

EPH ALI FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

592310

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71815SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.6	5.9	
C-10	39.0	2.5	
C-12	37.7	5.6	
C-14	37.5	6.2	
C-16	38.4	4.0	
C-18	37.6	6.1	
C-19	36.9	7.8	
C-20	37.6	6.1	
1-Chlorooctadecane	16.2	1.2	
C-22	38.3	4.2	
C-24	38.1	4.8	
C-26	39.5	1.3	
C-28	41.6	4.0	
C-30	40.8	1.9	
C-36	44.9	12.3	

C9-C18 Aliphatics	227.9	5.0	
C19-C36 Aliphatics	317.6	0.8	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/23/10

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71815SC.D Vial: 2
Acq On : 23 Sep 2010 7:29 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.77	6497712	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.86	6455723	16.190 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	80.95%
Target Compounds			
2) TZM C-9	4.00	15179916	37.623 ug/ml
3) TZM C-10	4.99	16087552	38.989 ug/ml
4) TZM C-12	6.47	16723707	37.741 ug/ml
5) TZM C-14	7.65	17058969	37.537 ug/ml
6) TZM C-16	8.67	16853769	38.419 ug/ml
7) TZM C-18	9.59	16395044	37.574 ug/ml
8) XH C9-C18	7.38	118983301	275.776 ug/ml
9) TZM C-19	10.01	15910380	36.863 ug/ml
10) TZM C-20	10.44	15893060	37.573 ug/ml
12) TZM C-22	11.41	16049345	38.300 ug/ml
13) TZM C-24	12.68	15323886	38.100 ug/ml
14) TZM C-26	14.15	14709558	39.485 ug/ml
15) TZM C-28	15.68	13593359	41.583 ug/ml
16) TZM C-30	17.19	11998544	40.768 ug/ml
17) TZM C-36	21.23	10691424	44.919 ug/ml
18) XH C19-C36	11.90	121765609	340.143 ug/ml

9/23/10

(f)=RT Delta > 1/2 Window (m)=manual int.

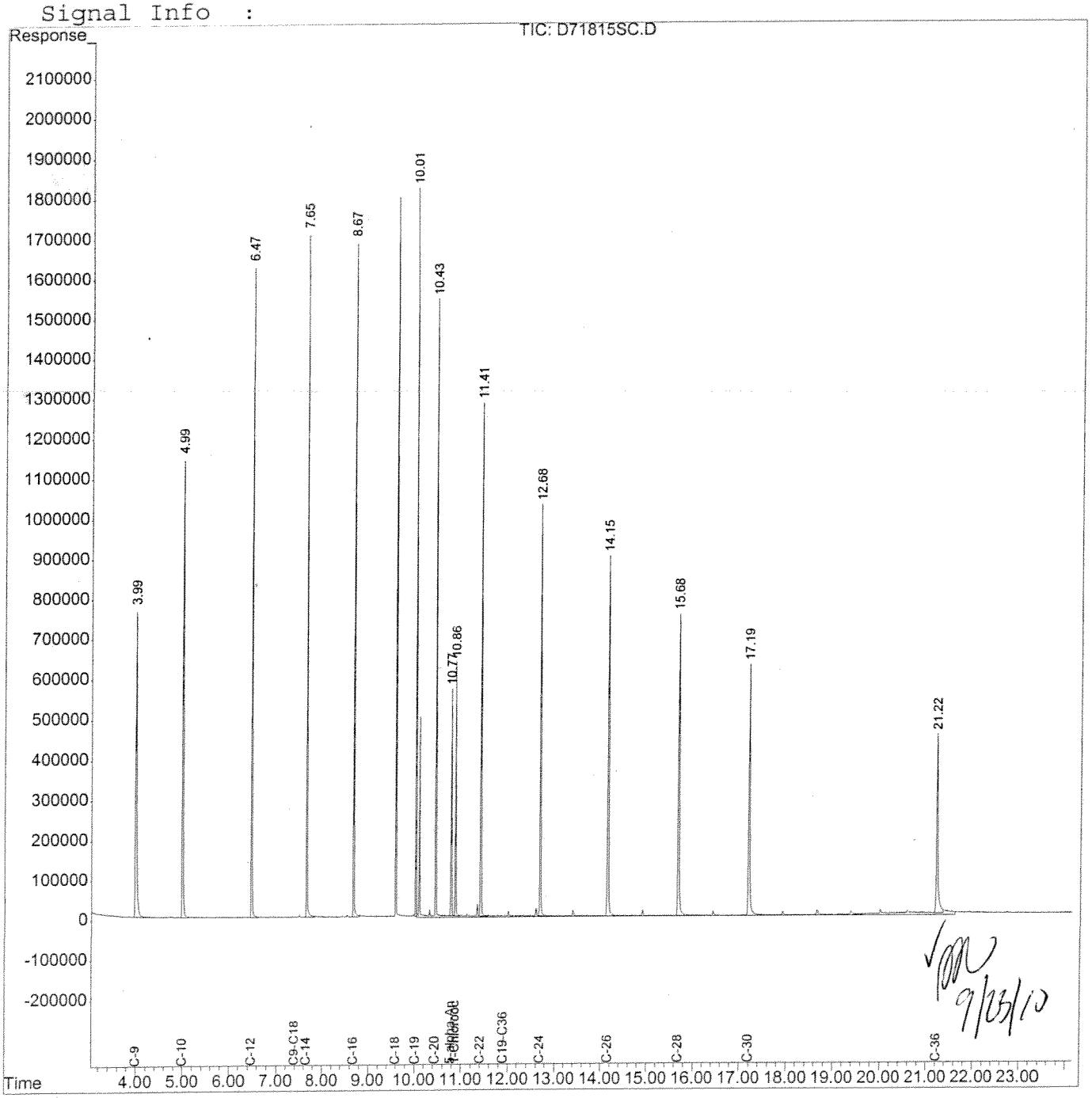
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71815SC.D
Vial: 2
Acq On : 23 Sep 2010 7:29 am
Operator: AR
Sample : S10042 ALI 40
Inst : GC/MS Ins
Misc :
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

>92310

Volume Inj. :
Signal Phase :
Signal Info :



9/23/10

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

39236

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71816SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	38.4	3.9	
C-10	40.2	0.4	
C-12	38.9	2.6	
C-14	37.5	6.3	
C-16	36.8	7.9	
C-18	37.1	7.3	
C-19	37.1	7.2	
C-20	36.2	9.4	
1-Chlorooctadecane	15.8	1.0	
C-22	37.1	7.2	
C-24	37.8	5.4	
C-26	36.7	8.2	
C-28	39.8	0.4	
C-30	41.2	3.0	
C-36	44.0	10.0	

C9-C18 Aliphatics	229.0	4.6	
C19-C36 Aliphatics	310.1	3.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/03/10

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71816SC.D Vial: 2
Acq On : 23 Sep 2010 7:59 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

S92310

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.77	6638792	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.86	6454440	15.843 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.22%
Target Compounds			
2) TZM C-9	4.00	15849078	38.447 ug/ml
3) TZM C-10	4.99	16936674	40.175 ug/ml
4) TZM C-12	6.47	17629729	38.941 ug/ml
5) TZM C-14	7.65	17409184	37.493 ug/ml
6) TZM C-16	8.67	16515016	36.846 ug/ml
7) TZM C-18	9.59	16539593	37.099 ug/ml
8) XH C9-C18	7.38	122500891	277.895 ug/ml
9) TZM C-19	10.01	16376854	37.137 ug/ml
10) TZM C-20	10.44	15657893	36.230 ug/ml
12) TZM C-22	11.41	15897284	37.131 ug/ml
13) TZM C-24	12.68	15547211	37.834 ug/ml
14) TZM C-26	14.15	13975332	36.717 ug/ml
15) TZM C-28	15.68	13300342	39.822 ug/ml
16) TZM C-30	17.19	12383561	41.182 ug/ml
17) TZM C-36	21.23	10658993	44.005 ug/ml
18) XH C19-C36	11.90	118513360	324.023 ug/ml

✓ 9/03/10

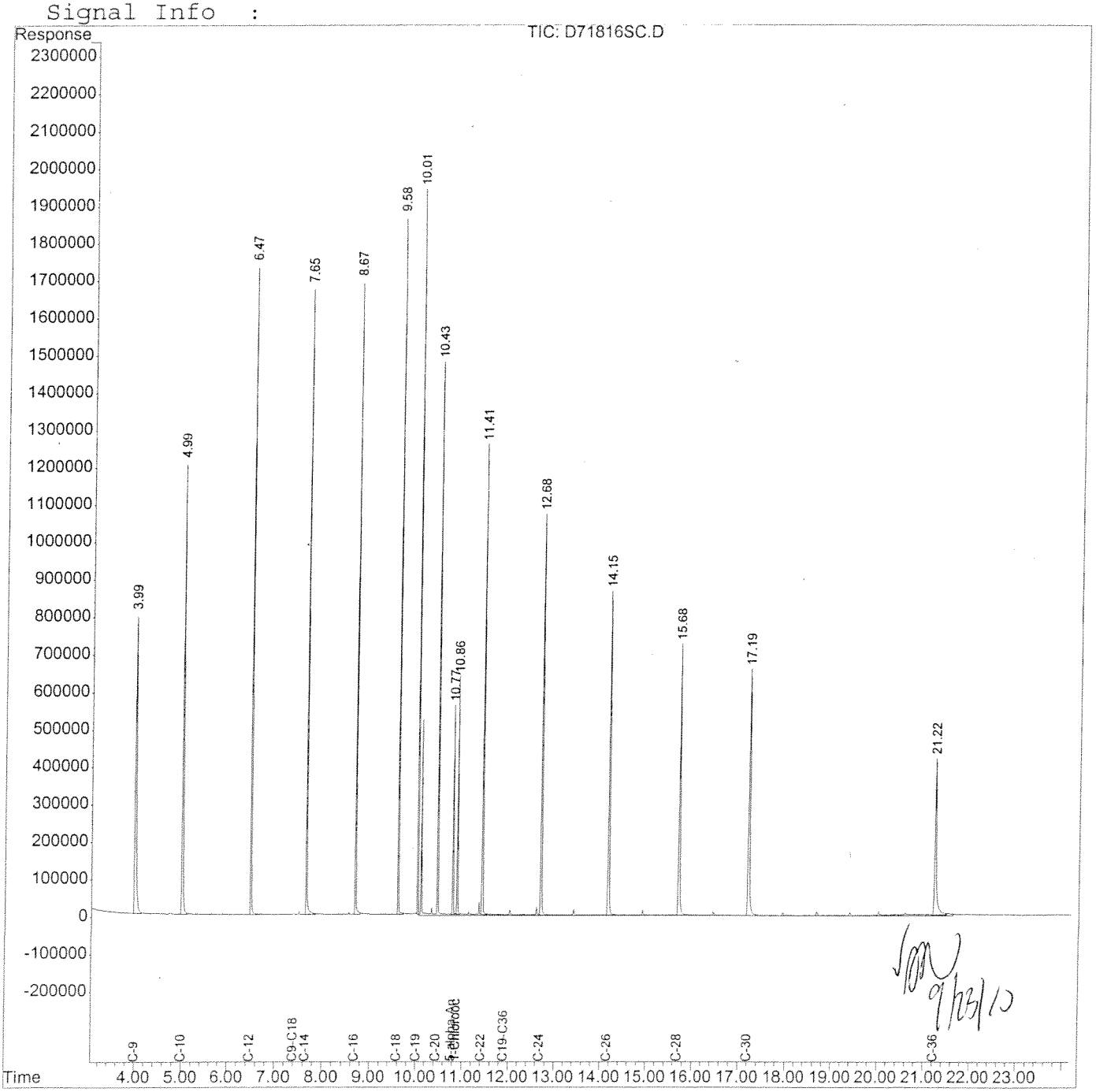
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71816SC.D Vial: 2
Acq On : 23 Sep 2010 7:59 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	6995120		11.02	
Upper Limit	13990240		11.08	
Lower limit	3497560		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9700 ALI 5	6392680		11.02	
S9701 ALI 10	6336220		11.02	
S9702 ALI 20	7097680		11.02	
S9704 ALI 50	6719900		11.02	
S9705 ALI 100	6944560		11.02	
S9715 ALI 20 ICV	6985250		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Tune File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Tune Time : 5 Aug 2010 1:47 am

Daily Calibration File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D

6995120

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71447SI.D	S9700 AL	9*	6392677
D71448SI.D	S9701 AL	19*	6336218
D71449SI.D	S9702 AL	39*	7097682
D71451SI.D	S9704 AL	106	6719901
D71452SI.D	S9705 AL	210*	6944560
D71453.D	S9715 AL	96	6985246

t - fails 12hr time check * - fails criteria

Created: Fri Aug 06 01:53:06 2010 GC
MS Ins

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67834

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	102381		7.96	
Upper Limit	204762		8.02	
Lower limit	51191		7.90	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	102821		7.97	
S9707 ARO 5	106433		7.97	
S9708 ARO 10	108670		7.96	
S9710 ARO 50	108242		7.97	
S9711 ARO 100	96457		7.97	
S9716 ARO 20 ICV	105542		7.97	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Tune File : C:\msdchem\1\DATA\092110-J\J35915T.D
Tune Time : 21 Sep 2010 10:24 pm

Full ARO MS

Daily Calibration File : C:\msdchem\1\DATA\092110-J\J35925SI.D

PM 9/22/10

102381

File	Sample	Surrogate Recovery %			Internal Standard Responses
J35922SI.D					
	S9706 ARO	8*	7*	4*	102821
J35923SI.D					
	S9707 ARO	18*	18*	11*	106433
J35924SI.D					
	S9708 ARO	35*	33*	21*	108670
J35926SI.D					
	S9710 ARO	153*	151*	92	108242
J35927SI.D					
	S9711 ARO	263*	264*	162*	96457
J35928.D					
	S9716 ARO	0*	0*	92	105542

(fails) - fails 12hr time check * - fails criteria

Created: Wed Sep 22 04:05:06 2010 Instrument J

J92210

GC/MS QA QC Check Report

Tune File : C:\msdchem\1\DATA\092110-J\J35915T.D
Tune Time : 21 Sep 2010 10:24 pm

PRO GC

Daily Calibration File : C:\msdchem\1\DATA\092110-J\J35925SI.D

PR 9/22/10

22239300

File	Sample	Surrogate Recovery %			Internal Standard Responses
J35922SI.D					
	S9706 ARO	7*	7*	5*	22928836
J35923SI.D					
	S9707 ARO	18*	19*	12*	23619712
J35924SI.D					
	S9708 ARO	33*	35*	21*	24272930
J35926SI.D					
	S9710 ARO	142*	161*	91	24150972
J35927SI.D					
	S9711 ARO	235*	268*	148*	22218719
J35928.D					
	S9716 ARO	-5*	142*	101	23240829

(fails) - fails 12hr time check * - fails criteria

Created: Wed Sep 22 04:53:04 2010 Instrument J

J92210

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6035930		10.78	
Upper Limit	12071860		10.84	
Lower limit	3017965		10.72	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	6116530		10.78	
B092010EASE2	5270070		10.78	
L092010EASE2	5378240		10.78	
LD092010EASE2	5609740		10.78	
S10042 ALI 40	6555090		10.78	
S10042 ALI 40	6791190		10.78	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC QA-QC Check Report

Daily Calibration File : D:\HPCHEM\1\DATA\092110-D\D71766SC.D
Time Acquired : 22 Sep 2010 2:39 am

D92210
ALI

6035930

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71766SC.D	S10042 A	82	6035934
D71767.D	HEXANE W	0*	6116533
D71768B.D	B092010E	66	5411968
D71769B.D	B092010E	63	5270072
D71770Q.D	L092010E	64	5378243
D71771Q.D	LD092010	66	5609741
D71772.D	67833-11	61	5702745
D71773.D	67833-12	60	5442585
D71774.D	67833-13	50	5452841
D71775.D	67833-14	54	6056772
D71776.D	67833-15	54	5718352
D71777.D	67833-16	47	5815371
D71778.D	67807-1	18*	5558057
D71779.D	67807-2	62	5294748
D71780.D	67807-3	37*	5855954
D71781.D	67807-2,	13*	5330805
D71781SC.D	S10042 A	80	6555086
D71782SC.D	S10042 A	78	6791188

t - fails 24hr time check * - fails criteria

Created: Wed Sep 22 15:16:12 2010 GC MS Ins

9/22/10

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6502570		10.78	
Upper Limit	13005140		10.84	
Lower limit	3251285		10.72	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	6176770		10.78	
B092010EASE2,RR	5685430		10.78	
67834-1	5372870		10.78	
67834-2	5412770		10.78	
67834-3	5386960		10.78	
67834-4	5288730		10.78	
67834-5	5917630		10.78	
67834-6	6274760		10.78	
67834-15	5763500		10.78	
67834-15,MS	5509810		10.78	
67834-15,MSD	5398740		10.78	
67834-16	5613180		10.78	
67834-17	5391650		10.78	
67834-18	5689960		10.78	
S10042 ALI 40	6936200		10.78	
S10042 ALI 40	7056340		10.78	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : D:\HPCHEM\1\DATA\092110-D\D71783T.D
Tune Time : 22 Sep 2010 1:58 pm

Daily Calibration File : D:\HPCHEM\1\DATA\092110-D\D71784SC.D

6502570

File	Sample	Surrogate Recovery %	Internal Standard Responses	
D71785.D	HEXANE W	0*	6176768	
D71786B.D	B092010E	65	5685431	
D71786C.D	67807-3,	38*	5610689	Confirms
D71787.D	67834-1	63	5372873	
D71788.D	67834-2	64	5412767	
D71789.D	67834-3	65	5386959	
D71790.D	67834-4	64	5288731	
D71791.D	67834-5	49	5917634	
D71792.D	67834-6	60	6274759	
D71793.D	67834-15	53	5763505	
D71794SP.D	67834-15	55	5509807	
D71795SP.D	67834-15	60	5398737	
D71796.D	67834-16	60	5613179	
D71797.D	67834-17	69	5391649	
D71798.D	67834-18	64	5689958	
D71798A.D	67807-1,	22*	6921276	Confirms
D71799SC.D	S10042 A	79	6936199	
D71800SC.D	S10042 A	79	7056340	

t - fails 12hr time check * - fails criteria

Created: Thu Sep 23 03:23:37 2010 GC MS Ins

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67834

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	99428		7.97	
Upper Limit	198856		8.03	
Lower limit	49714		7.91	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	96698		7.97	
B092010EASE2	87057		7.96	
L092010EASE2	83204		7.96	
LD092010EASE2	82032		7.96	
L092010EASE2	98847		7.97	
LD092010EASE2	99457		7.97	
67834-1	85785		7.97	
67834-2	82430		7.97	
67834-3	83656		7.96	
67834-4	96550		7.96	
67834-5	71421		7.96	
67834-6	80004		7.96	
67834-15	83306		7.96	
67834-15,MS	84155		7.96	
67834-15,MSD	83492		7.96	
67834-16	88593		7.96	
67834-17	82251		7.96	
67834-18	97662		7.97	
S10041 ARO 20	100074		7.96	
S10041 ARO 20	98679		7.96	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA/QC Check Report

Tune File : C:\msdchem\1\DATA\092110-J\J35961T.D
Tune Time : 22 Sep 2010 4:21 pm

Daily Calibration File : C:\msdchem\1\DATA\092110-J\J35962SC.D

MK 9/23/10

99428

File	Sample	Surrogate Recovery %			Internal Standard Responses
J35963.D	HEXANE W/I	0*	0*	0*	96698
J35964B.D	B092010EAS	83	74	76	87057
J35965Q.D	L092010EAS	81	73	79	83204
J35966Q.D	LD092010EA	84	83	81	82032
J35967Q.D	L092010EAS	0*	8*	0*	98847
J35968Q.D	LD092010EA	0*	1*	0*	99457
J35969.D	67834-1	88	74	80	85785
J35970.D	67834-2	90	83	80	82430
J35971.D	67834-3	86	79	80	83656
J35972.D	67834-4	91	87	81	96550
J35973.D	67834-5	97	87	84	71421
J35974.D	67834-6	80	67	77	80004
J35975.D	67834-15	88	75	73	83306
J35976SP.D	67834-15,M	83	79	68	84155
J35977SP.D	67834-15,M	81	79	69	83492
J35978.D	67834-16	83	82	74	88593
J35979.D	67834-17	87	84	79	82251
J35980.D	67834-18	84	79	74	97662
J35981.D	67835-1	80	76	75	86529

J92310

J35982.D	67835-2	83	72	75	83205
J35983.D	67835-3	89	79	77	83136
J35984.D	67835-4	92	79	74	82594
J35985.D	67835-5	72	68	66	93619
J35986.D	67835-6	81	74	73	98132
J35987.D	67835-6,MS	86	83	71	83950
J35988.D	67835-6,MS	82	75	73	81672
J35989.D	67807-2,DL 2X	41	35*	34*	78350
J35989SC.D	S10041 ARO	61	60	41	100074
J35990SC.D	S10041 ARO	63	63	42	98679

(fails) - fails 12hr time check * - fails criteria

Created: Thu Sep 23 04:18:02 2010 Instrument J

PN 9/23/10

592310

Daily Calibration File : C:\msdchem\1\DATA\092110-J\J35962SC.D
Time Acquired : 22 Sep 2010 4:44 pm

J42310
ARO GC

22363300

File	Sample	Surrogate Recovery %			Internal Standard Responses
J35962SC.D	S10041 ARO	62	64	41	22363290
J35963.D	HEXANE W/I	-5*	0*	-5*	21846631
J35964B.D	B092010EAS	84	81	79	19526362
J35969.D	67834-1	91	82	86	19098852
J35970.D	67834-2	94	92	85	18356894
J35971.D	67834-3	87	86	83	18952257
J35972.D	67834-4	92	93	83	22122110
J35973.D	67834-5	117	113	88	16111109
J35974.D	67834-6	99	89	78	16857282
J35975.D	67834-15	92	85	78	18380482
J35978.D	67834-16	86	91	77	19769057
J35979.D	67834-17	89	91	81	18915533
J35980.D	67834-18	86	86	75	22151554
J35981.D	67835-1	81	89	78	19445881
J35982.D	67835-2	85	85	80	18679930
J35983.D	67835-3	89	85	80	18842537
J35984.D	67835-4	95	86	77	18510151
J35985.D	67835-5	73	75	68	20950539
J35986.D	67835-6	83	80	76	21961642
J35989.D					

9/23/10

	67007 2,DB	26	27	27		24114160
J35989SC.D						
	S10041 ARO	61	63	40		22108757
J35990SC.D						
	S10041 ARO	62	64	41		22079908

(fails) - fails 12hr time check * - fails criteria

Created: Thu Sep 23 10:51:12 2010 Instrument J

JPM
9/23/10

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67834
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6579930		10.78	
Upper Limit	13159860		10.84	
Lower limit	3289965		10.72	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	6092830		10.78	
B092010EASE2,RR2	5615890		10.78	
67834-5,DL	5320670		10.77	
67834-6,DL	5329340		10.77	
S10042 ALI 40	6497710		10.77	
S10042 ALI 40	6638790		10.77	

67834-5
67834-6

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC QA QC Check Report

Daily Calibration File : D:\HPCHEM\1\DATA\092110-D\D71802SC.D
Time Acquired : 23 Sep 2010 12:30 am

>92310

File	Sample	Surrogate Recovery %		Internal Standard Responses
				6579930
D71802SC.D	S10042 A	81		6579930
D71803.D	HEXANE W	1*		6092832
D71804B.D	B092010E	63		5615892
D71805.D	67835-1	66		5188627
D71806.D	67835-2	73		5137944
D71807.D	67835-3	64		5436302
D71808.D	67835-4	62		5144115
D71809.D	67835-5	64		5311097
D71810.D	67835-6	73		5078440
D71811SP.D	67835-6,	69		4914298
D71812SP.D	67835-6,	69		5216639
D71813.D	67834-5,	6*	10X	5320672
D71814.D	67834-6,	8*	10X	5329336
D71815.D	67807-2,	33*	2X	5814236
D71815SC.D	S10042 A	81		6497712
D71816SC.D	S10042 A	79		6638792

t - fails 24hr time check * - fails criteria

Created: Thu Sep 23 10:50:30 2010 GC
MS Ins

9/23/10

SUBCONTRACTED REPORTS
&
NARRATIVES

ANALYTICAL REPORT

Job Number: 680-61464-2

SDG Number: 67834

Job Description: CT048 Bldg. 92, SOWEY

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
10/4/2010 3:55 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
10/04/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

TestAmerica Laboratories, Inc.
TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com

Table of Contents

Cover Title Page 1

Data Summaries 4

- Report Narrative 4
- Sample Summary 6
- Executive Summary 7
- Method Summary 10
- Method / Analyst Summary 11
- Sample Datasheets 12
- QC Data Summary 25
- Data Qualifiers 36
- QC Association Summary 37
- Lab Chronicle 39

Inorganic Sample Data 43

- Metals Data 43
  - Met Cover Page 44
  - Met Sample Data 45
  - Met QC Data 51
    - Met ICV/CCV 51
    - Met CRQL 57
    - Met Blanks 61
    - Met ICSA/ICSAB 69
    - Met MS/MSD/PDS 77
    - Met LCS/LCSD 80
    - Met Serial Dilution 83
  - Met MDL 84
  - Met Linear Ranges 88

Table of Contents

Met Preparation Log 89

Met Analysis Run Log 92

Met Raw Data 108

Met Prep Data 333

General Chemistry Data 339

Gen Chem Cover Page 340

Gen Chem MDL 341

Gen Chem Analysis Run Log 342

Gen Chem Prep Data 343

Shipping and Receiving Documents 344

Sample Receipt Checklist 345

Job Narrative
680-61464-2

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
Method(s) 6010C: Due to the high concentration of Aluminum and Iron, the matrix spike / matrix spike duplicate (MS/MSD) for batch 180993 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 6010C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 180993 were outside control limits for Silver, Calcium, Magnesium, Manganese. The matrix spike duplicate (MSD) for Beryllium and Zinc were also outside control limits . The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

MassDEP Analytical Protocol Certification Form

Laboratory Name: TestAmericaLaboratories, Inc Project #: CT048

Project Location: SouthWeymouth, MA RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):

680-61464-6, 680-61464-7, 680-61464-8, 680-61464-9, 680-61464-10, 680-61464-11

Matrices: Groundwater/Surface Water (Soil/Sediment) Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	(7470/7471 Hg CAM III B)	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
(6010 Metals CAM III A)	6020 Metals CAM III D	8082 PCB CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	(Yes) No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	(Yes) No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	(Yes) No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	(Yes) No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	(Yes) No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	(Yes) No[1]

***Data User Note:** Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.*

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	(Yes) No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	(Yes) No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: [signature] **Position:** Project Manager

Printed Name: Abbie G Yant **Date:** 10-04-10

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-61464-6	C-B82-GTM2-SW-01	Solid	09/20/2010 1230	09/22/2010 1018
680-61464-7	C-B82-GTM2-SW-02	Solid	09/20/2010 1250	09/22/2010 1018
680-61464-8	C-B82-GTM2-SW-02D	Solid	09/20/2010 1250	09/22/2010 1018
680-61464-9	C-B82-GTM2-SW-03	Solid	09/20/2010 1255	09/22/2010 1018
680-61464-9MS	C-B82-GTM2-SW-03	Solid	09/20/2010 1255	09/22/2010 1018
680-61464-9MSD	C-B82-GTM2-SW-03	Solid	09/20/2010 1255	09/22/2010 1018
680-61464-10	C-B82-GTM2-SW-04	Solid	09/20/2010 1300	09/22/2010 1018
680-61464-11	C-B82-GTM2-B-5	Solid	09/20/2010 1305	09/22/2010 1018

EXECUTIVE SUMMARY - Detections

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
680-61464-6	**C-B82-GTM2-SW-01**					
Aluminum		5600		21	mg/Kg	6010C
Nickel		6.3		4.1	mg/Kg	6010C
Lead		7.6		1.0	mg/Kg	6010C
Magnesium		2600		51	mg/Kg	6010C
Iron		12000		21	mg/Kg	6010C
Manganese		150		1.0	mg/Kg	6010C
Potassium		400		100	mg/Kg	6010C
Chromium		7.1		1.0	mg/Kg	6010C
Copper		8.3		2.6	mg/Kg	6010C
Barium		15		1.0	mg/Kg	6010C
Beryllium		0.54		0.41	mg/Kg	6010C
Arsenic		1.1	J	2.1	mg/Kg	6010C
Calcium		2300		51	mg/Kg	6010C
Cobalt		4.8		1.0	mg/Kg	6010C
Vanadium		17		1.0	mg/Kg	6010C
Zinc		38		2.1	mg/Kg	6010C
Percent Moisture		5.6		0.010	%	Moisture
680-61464-7	**C-B82-GTM2-SW-02**					
Aluminum		5000		21	mg/Kg	6010C
Nickel		4.4		4.1	mg/Kg	6010C
Lead		7.3		1.0	mg/Kg	6010C
Magnesium		1700		52	mg/Kg	6010C
Iron		12000		21	mg/Kg	6010C
Manganese		260		1.0	mg/Kg	6010C
Potassium		510		100	mg/Kg	6010C
Chromium		5.2		1.0	mg/Kg	6010C
Copper		4.6		2.6	mg/Kg	6010C
Barium		22		1.0	mg/Kg	6010C
Beryllium		0.58		0.41	mg/Kg	6010C
Arsenic		1.3	J	2.1	mg/Kg	6010C
Calcium		1700		52	mg/Kg	6010C
Cobalt		3.1		1.0	mg/Kg	6010C
Vanadium		11		1.0	mg/Kg	6010C
Zinc		32		2.1	mg/Kg	6010C
Percent Moisture		7.3		0.010	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
680-61464-8	**C-B82-GTM2-SW-02D**					
Aluminum		4800		20	mg/Kg	6010C
Nickel		3.2	J	3.9	mg/Kg	6010C
Lead		6.8		0.98	mg/Kg	6010C
Magnesium		1500		49	mg/Kg	6010C
Iron		12000		20	mg/Kg	6010C
Manganese		230		0.98	mg/Kg	6010C
Potassium		410		98	mg/Kg	6010C
Chromium		5.6		0.98	mg/Kg	6010C
Copper		5.2		2.5	mg/Kg	6010C
Barium		19		0.98	mg/Kg	6010C
Beryllium		0.66		0.39	mg/Kg	6010C
Arsenic		1.5	J	2.0	mg/Kg	6010C
Calcium		1200		49	mg/Kg	6010C
Cobalt		2.4		0.98	mg/Kg	6010C
Vanadium		12		0.98	mg/Kg	6010C
Zinc		38		2.0	mg/Kg	6010C
Percent Moisture		8.4		0.010	%	Moisture
680-61464-9	**C-B82-GTM2-SW-03**					
Aluminum		3400	J	20	mg/Kg	6010C
Antimony		0.58	J	2.0	mg/Kg	6010C
Nickel		2.5	J	3.9	mg/Kg	6010C
Lead		3.7		0.99	mg/Kg	6010C
Magnesium		1100	J	49	mg/Kg	6010C
Iron		7700	J	20	mg/Kg	6010C
Manganese		120	J	0.99	mg/Kg	6010C
Potassium		350		99	mg/Kg	6010C
Chromium		3.0		0.99	mg/Kg	6010C
Copper		3.1		2.5	mg/Kg	6010C
Barium		13		0.99	mg/Kg	6010C
Beryllium		0.40	J	0.39	mg/Kg	6010C
Arsenic		0.89	J	2.0	mg/Kg	6010C
Calcium		1000	J	49	mg/Kg	6010C
Cobalt		1.8		0.99	mg/Kg	6010C
Vanadium		8.7		0.99	mg/Kg	6010C
Zinc		22	J	2.0	mg/Kg	6010C
Percent Moisture		3.4		0.010	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
680-61464-10	**C-B82-GTM2-SW-04**					
Aluminum		5300		22	mg/Kg	6010C
Antimony		0.82	J	2.2	mg/Kg	6010C
Nickel		7.1		4.4	mg/Kg	6010C
Lead		7.1		1.1	mg/Kg	6010C
Magnesium		2100		55	mg/Kg	6010C
Iron		8600		22	mg/Kg	6010C
Manganese		130		1.1	mg/Kg	6010C
Potassium		380		110	mg/Kg	6010C
Chromium		7.1		1.1	mg/Kg	6010C
Copper		11		2.7	mg/Kg	6010C
Barium		17		1.1	mg/Kg	6010C
Beryllium		1.1		0.44	mg/Kg	6010C
Arsenic		1.6	J	2.2	mg/Kg	6010C
Cadmium		0.75		0.55	mg/Kg	6010C
Calcium		1900		55	mg/Kg	6010C
Cobalt		3.1		1.1	mg/Kg	6010C
Vanadium		14		1.1	mg/Kg	6010C
Zinc		27		2.2	mg/Kg	6010C
Hg		0.012	J	0.022	mg/Kg	7471B
Percent Moisture		10		0.010	%	Moisture
680-61464-11	**C-B82-GTM2-B-5**					
Aluminum		3100		24	mg/Kg	6010C
Nickel		3.6	J	4.8	mg/Kg	6010C
Lead		2.5		1.2	mg/Kg	6010C
Magnesium		1200		60	mg/Kg	6010C
Iron		5700		24	mg/Kg	6010C
Manganese		67		1.2	mg/Kg	6010C
Potassium		360		120	mg/Kg	6010C
Chromium		4.8		1.2	mg/Kg	6010C
Copper		4.8		3.0	mg/Kg	6010C
Barium		12		1.2	mg/Kg	6010C
Beryllium		0.29	J	0.48	mg/Kg	6010C
Calcium		960		60	mg/Kg	6010C
Cobalt		2.0		1.2	mg/Kg	6010C
Vanadium		9.0		1.2	mg/Kg	6010C
Zinc		19		2.4	mg/Kg	6010C
Percent Moisture		22		0.010	%	Moisture

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SAV	SW846 7471B	
Preparation, Mercury	TAL SAV		SW846 7471B
Percent Moisture	TAL SAV	EPA Moisture	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Method	Analyst	Analyst ID
SW846 6010C	Bland, Brian	BCB
SW846 7471B	Eaton, Cliff	CE
EPA Moisture	Swafford, Frances	FS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Client Sample ID: **C-B82-GTM2-SW-01**

Lab Sample ID: 680-61464-6
Client Matrix: Solid
% Moisture: 5.6

Date Sampled: 09/20/2010 1230
Date Received: 09/22/2010 1018

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-180993		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-180784		Lab File ID:	092410092410.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	09/24/2010 1615			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0913				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5600		10	21
Antimony		0.55	U	0.55	2.1
Selenium		1.0	U	1.0	2.6
Nickel		6.3		0.32	4.1
Lead		7.6		0.55	1.0
Magnesium		2600		2.5	51
Iron		12000		7.2	21
Manganese		150		0.31	1.0
Potassium		400		8.2	100
Chromium		7.1		0.51	1.0
Copper		8.3		1.1	2.6
Barium		15		0.31	1.0
Beryllium		0.54		0.021	0.41
Silver		0.099	U	0.099	1.0
Arsenic		1.1	J	0.61	2.1
Cadmium		0.10	U	0.10	0.51
Calcium		2300		21	51
Cobalt		4.8		0.12	1.0
Sodium		84	U	84	210
Thallium		1.0	U	1.0	2.6
Vanadium		17		0.25	1.0
Zinc		38		1.2	2.1

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-180994		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-180822		Lab File ID:	b092410b.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	09/24/2010 1711			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1219				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0084	U	0.0084	0.020

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Client Sample ID: **C-B82-GTM2-SW-02**

Lab Sample ID: 680-61464-7
Client Matrix: Solid
% Moisture: 7.3

Date Sampled: 09/20/2010 1250
Date Received: 09/22/2010 1018

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-180993		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-180784		Lab File ID:	092410092410.chr
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Date Analyzed:	09/24/2010 1630			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0913				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5000		10	21
Antimony		0.55	U	0.55	2.1
Selenium		1.0	U	1.0	2.6
Nickel		4.4		0.32	4.1
Lead		7.3		0.55	1.0
Magnesium		1700		2.5	52
Iron		12000		7.3	21
Manganese		260		0.31	1.0
Potassium		510		8.3	100
Chromium		5.2		0.52	1.0
Copper		4.6		1.1	2.6
Barium		22		0.31	1.0
Beryllium		0.58		0.021	0.41
Silver		0.10	U	0.10	1.0
Arsenic		1.3	J	0.61	2.1
Cadmium		0.10	U	0.10	0.52
Calcium		1700		21	52
Cobalt		3.1		0.12	1.0
Sodium		85	U	85	210
Thallium		1.0	U	1.0	2.6
Vanadium		11		0.25	1.0
Zinc		32		1.2	2.1

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-180994		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-180822		Lab File ID:	b092410b.chr
Dilution:	1.0			Initial Weight/Volume:	0.50 g
Date Analyzed:	09/24/2010 1719			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1219				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0088	U	0.0088	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Client Sample ID: **C-B82-GTM2-SW-02D**

Lab Sample ID: 680-61464-8
Client Matrix: Solid
% Moisture: 8.4

Date Sampled: 09/20/2010 1250
Date Received: 09/22/2010 1018

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-180993		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-180784		Lab File ID:	092410092410.chr
Dilution:	1.0			Initial Weight/Volume:	1.11 g
Date Analyzed:	09/24/2010 1635			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0913				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4800		9.8	20
Antimony		0.52	U	0.52	2.0
Selenium		0.98	U	0.98	2.5
Nickel		3.2	J	0.30	3.9
Lead		6.8		0.52	0.98
Magnesium		1500		2.4	49
Iron		12000		6.9	20
Manganese		230		0.30	0.98
Potassium		410		7.9	98
Chromium		5.6		0.49	0.98
Copper		5.2		1.1	2.5
Barium		19		0.30	0.98
Beryllium		0.66		0.020	0.39
Silver		0.094	U	0.094	0.98
Arsenic		1.5	J	0.58	2.0
Cadmium		0.098	U	0.098	0.49
Calcium		1200		20	49
Cobalt		2.4		0.12	0.98
Sodium		81	U	81	200
Thallium		0.97	U	0.97	2.5
Vanadium		12		0.24	0.98
Zinc		38		1.2	2.0

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-180994		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-180822		Lab File ID:	b092410b.chr
Dilution:	1.0			Initial Weight/Volume:	0.50 g
Date Analyzed:	09/24/2010 1722			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1219				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0090	U	0.0090	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Client Sample ID: **C-B82-GTM2-SW-03**

Lab Sample ID: 680-61464-9
Client Matrix: Solid
% Moisture: 3.4
Date Sampled: 09/20/2010 1255
Date Received: 09/22/2010 1018

6010C Metals (ICP)

Method: 6010C
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/24/2010 1641
Date Prepared: 09/23/2010 0913
Analysis Batch: 680-180993
Prep Batch: 680-180784
Instrument ID: ICPD
Lab File ID: 092410092410.chr
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3400	J	9.9	20
Antimony		0.58	J	0.52	2.0
Selenium		0.99	U	0.99	2.5
Nickel		2.5	J	0.31	3.9
Lead		3.7		0.52	0.99
Magnesium		1100	J	2.4	49
Iron		7700	J	6.9	20
Manganese		120	J	0.30	0.99
Potassium		350		7.9	99
Chromium		3.0		0.49	0.99
Copper		3.1		1.1	2.5
Barium		13		0.30	0.99
Beryllium		0.40	J	0.020	0.39
Silver		0.095	U J	0.095	0.99
Arsenic		0.89	J	0.58	2.0
Cadmium		0.099	U	0.099	0.49
Calcium		1000	J	20	49
Cobalt		1.8		0.12	0.99
Sodium		81	U	81	200
Thallium		0.98	U	0.98	2.5
Vanadium		8.7		0.24	0.99
Zinc		22	J	1.2	2.0

Method: 6010C
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 09/29/2010 1932
Date Prepared: 09/28/2010 1011
Analysis Batch: 680-181557
Prep Batch: 680-181222
Instrument ID: ICPD
Lab File ID: 92910.chr
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 100 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Magnesium		1300	J	2.4	50
Manganese		140	J	0.30	1.0
Beryllium		0.33	J	0.020	0.40
Silver		0.11	J	0.096	1.0
Calcium		1200	J	20	50
Zinc		20		1.2	2.0

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471B
Preparation: 7471B
Dilution: 1.0
Date Analyzed: 09/24/2010 1725
Date Prepared: 09/23/2010 1219
Analysis Batch: 680-180994
Prep Batch: 680-180822
Instrument ID: LEEMAN1
Lab File ID: b092410b.chr
Initial Weight/Volume: 0.50 g
Final Weight/Volume: 50 mL

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Client Sample ID: **C-B82-GTM2-SW-03**

Lab Sample ID: 680-61464-9
Client Matrix: Solid
% Moisture: 3.4

Date Sampled: 09/20/2010 1255
Date Received: 09/22/2010 1018

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.0085	U	0.0085	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Client Sample ID: **C-B82-GTM2-SW-04**

Lab Sample ID: 680-61464-10
Client Matrix: Solid
% Moisture: 10.3

Date Sampled: 09/20/2010 1300
Date Received: 09/22/2010 1018

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-180993		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-180784		Lab File ID:	092410092410.chr
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	09/24/2010 1707			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0913				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5300		11	22
Antimony		0.82	J	0.58	2.2
Selenium		1.1	U	1.1	2.7
Nickel		7.1		0.34	4.4
Lead		7.1		0.58	1.1
Magnesium		2100		2.6	55
Iron		8600		7.7	22
Manganese		130		0.33	1.1
Potassium		380		8.7	110
Chromium		7.1		0.55	1.1
Copper		11		1.2	2.7
Barium		17		0.33	1.1
Beryllium		1.1		0.022	0.44
Silver		0.10	U	0.10	1.1
Arsenic		1.6	J	0.64	2.2
Cadmium		0.75		0.11	0.55
Calcium		1900		22	55
Cobalt		3.1		0.13	1.1
Sodium		90	U	90	220
Thallium		1.1	U	1.1	2.7
Vanadium		14		0.26	1.1
Zinc		27		1.3	2.2

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-180994		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-180822		Lab File ID:	b092410b.chr
Dilution:	1.0			Initial Weight/Volume:	0.51 g
Date Analyzed:	09/24/2010 1735			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1219				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.012	J	0.0090	0.022

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Client Sample ID: **C-B82-GTM2-B-5**

Lab Sample ID: 680-61464-11
Client Matrix: Solid
% Moisture: 22.2

Date Sampled: 09/20/2010 1305
Date Received: 09/22/2010 1018

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-180993		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-180784		Lab File ID:	092410092410.chr
Dilution:	1.0			Initial Weight/Volume:	1.07 g
Date Analyzed:	09/24/2010 1712			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0913				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3100		12	24
Antimony		0.64	U	0.64	2.4
Selenium		1.2	U	1.2	3.0
Nickel		3.6	J	0.37	4.8
Lead		2.5		0.64	1.2
Magnesium		1200		2.9	60
Iron		5700		8.4	24
Manganese		67		0.36	1.2
Potassium		360		9.6	120
Chromium		4.8		0.60	1.2
Copper		4.8		1.3	3.0
Barium		12		0.36	1.2
Beryllium		0.29	J	0.024	0.48
Silver		0.12	U	0.12	1.2
Arsenic		0.71	U	0.71	2.4
Cadmium		0.12	U	0.12	0.60
Calcium		960		24	60
Cobalt		2.0		0.14	1.2
Sodium		99	U	99	240
Thallium		1.2	U	1.2	3.0
Vanadium		9.0		0.29	1.2
Zinc		19		1.4	2.4

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-180994		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-180822		Lab File ID:	b092410b.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	09/24/2010 1738			Final Weight/Volume:	50 mL
Date Prepared:	09/23/2010 1219				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.010	U	0.010	0.025

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

General Chemistry

Client Sample ID: **C-B82-GTM2-SW-01**

Lab Sample ID: 680-61464-6
Client Matrix: Solid

Date Sampled: 09/20/2010 1230
Date Received: 09/22/2010 1018

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.6		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-180787 Date Analyzed: 09/23/2010 0924 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

General Chemistry

Client Sample ID: **C-B82-GTM2-SW-02**

Lab Sample ID: 680-61464-7
Client Matrix: Solid

Date Sampled: 09/20/2010 1250
Date Received: 09/22/2010 1018

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.3		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-180787 Date Analyzed: 09/23/2010 0924 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

General Chemistry

Client Sample ID: **C-B82-GTM2-SW-02D**

Lab Sample ID: 680-61464-8
Client Matrix: Solid

Date Sampled: 09/20/2010 1250
Date Received: 09/22/2010 1018

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.4		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-180787 Date Analyzed: 09/23/2010 0924 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

General Chemistry

Client Sample ID: **C-B82-GTM2-SW-03**

Lab Sample ID: 680-61464-9
Client Matrix: Solid

Date Sampled: 09/20/2010 1255
Date Received: 09/22/2010 1018

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.4		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-180787 Date Analyzed: 09/23/2010 0924 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

General Chemistry

Client Sample ID: **C-B82-GTM2-SW-04**

Lab Sample ID: 680-61464-10
Client Matrix: Solid

Date Sampled: 09/20/2010 1300
Date Received: 09/22/2010 1018

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-180787 Date Analyzed: 09/23/2010 0924 DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

General Chemistry

Client Sample ID: **C-B82-GTM2-B-5**

Lab Sample ID: 680-61464-11
Client Matrix: Solid

Date Sampled: 09/20/2010 1305
Date Received: 09/22/2010 1018

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	22		%	0.010	0.010	1.0	Moisture

Analysis Batch: 680-180787 Date Analyzed: 09/23/2010 0924 DryWt Corrected: N

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Method Blank - Batch: 680-180784

Method: 6010C
Preparation: 3050B

Lab Sample ID: MB 680-180784/15-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/24/2010 1538
Date Prepared: 09/23/2010 0913

Analysis Batch: 680-180993
Prep Batch: 680-180784
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 092410092410.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Aluminum	10	U	10	20
Antimony	0.53	U	0.53	2.0
Selenium	1.0	U	1.0	2.5
Nickel	0.31	U	0.31	4.0
Lead	0.53	U	0.53	1.0
Magnesium	2.4	U	2.4	50
Iron	7.0	U	7.0	20
Manganese	0.30	U	0.30	1.0
Potassium	8.0	U	8.0	100
Chromium	0.50	U	0.50	1.0
Copper	1.1	U	1.1	2.5
Barium	0.30	U	0.30	1.0
Beryllium	0.020	U	0.020	0.40
Silver	0.096	U	0.096	1.0
Arsenic	0.59	U	0.59	2.0
Cadmium	0.10	U	0.10	0.50
Calcium	20	U	20	50
Cobalt	0.12	U	0.12	1.0
Sodium	82	U	82	200
Thallium	0.99	U	0.99	2.5
Vanadium	0.24	U	0.24	1.0
Zinc	1.2	U	1.2	2.0

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Lab Control Sample - Batch: 680-180784

Method: 6010C
Preparation: 3050B

Lab Sample ID: LCS 680-180784/16-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/24/2010 1544
Date Prepared: 09/23/2010 0915

Analysis Batch: 680-180993
Prep Batch: 680-180784
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 092410092410.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	200	205	102	75 - 125	
Antimony	50.0	50.7	101	75 - 125	
Selenium	200	210	105	75 - 125	
Nickel	50.0	52.8	106	75 - 125	
Lead	50.0	52.4	105	75 - 125	
Magnesium	500	514	103	75 - 125	
Iron	100	104	104	75 - 125	
Manganese	50.0	53.1	106	75 - 125	
Potassium	500	506	101	75 - 125	
Chromium	20.0	21.4	107	75 - 125	
Copper	25.0	26.1	104	75 - 125	
Barium	200	214	107	75 - 125	
Beryllium	5.00	5.24	105	75 - 125	
Silver	5.00	3.75	75	75 - 125	
Arsenic	200	208	104	75 - 125	
Cadmium	5.00	5.36	107	75 - 125	
Calcium	500	518	104	75 - 125	
Cobalt	50.0	52.9	106	75 - 125	
Sodium	500	481	96	75 - 125	
Thallium	200	216	108	75 - 125	
Vanadium	50.0	51.9	104	75 - 125	
Zinc	50.0	53.6	107	75 - 125	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Post Digestion Spike - Batch: 680-180784

Method: 6010C
Preparation: 3050B

Lab Sample ID: 680-61464-9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/24/2010 1651
Date Prepared: 09/23/2010 0913

Analysis Batch: 680-180993
Prep Batch: 680-180784
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 092410092410.chr
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	3400		197	3540	69	75 - 125	J
Antimony	0.58	J	49.3	46.4	93	75 - 125	
Selenium	0.99	U	197	196	99	75 - 125	
Nickel	2.5	J	49.3	51.1	99	75 - 125	
Lead	3.7		49.3	52.0	98	75 - 125	
Magnesium	1100		493	1620	97	75 - 125	
Iron	7700		98.6	7660	-81	75 - 125	J
Manganese	120		49.3	163	94	75 - 125	
Potassium	350		493	851	101	75 - 125	
Chromium	3.0		19.7	22.6	99	75 - 125	
Copper	3.1		24.6	27.2	98	75 - 125	
Barium	13		197	210	100	75 - 125	
Beryllium	0.40		4.93	5.26	99	75 - 125	
Silver	0.095	U	4.93	3.81	77	75 - 125	
Arsenic	0.89	J	197	193	97	75 - 125	
Cadmium	0.099	U	4.93	4.94	100	75 - 125	
Calcium	1000		493	1490	97	75 - 125	
Cobalt	1.8		49.3	50.7	99	75 - 125	
Sodium	81	U	493	475	96	75 - 125	
Thallium	0.98	U	197	200	101	75 - 125	
Vanadium	8.7		49.3	55.8	96	75 - 125	
Zinc	22		49.3	70.3	98	75 - 125	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-180784

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-61464-9	Analysis Batch:	680-180993	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-180784	Lab File ID:	092410092410.chr
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	09/24/2010 1656			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0913				

MSD Lab Sample ID:	680-61464-9	Analysis Batch:	680-180993	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-180784	Lab File ID:	092410092410.chr
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	09/24/2010 1701			Final Weight/Volume:	100 mL
Date Prepared:	09/23/2010 0913				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	385	434	75 - 125	2	20	4	4
Antimony	97	98	75 - 125	0.6	20		
Selenium	105	105	75 - 125	0.3	20		
Nickel	108	109	75 - 125	0.3	20		
Lead	106	106	75 - 125	0.4	20		
Magnesium	213	169	75 - 125	10	20	J	J
Iron	1671	1342	75 - 125	4	20	4	4
Manganese	248	184	75 - 125	14	20	J	J
Potassium	85	92	75 - 125	4	20		
Chromium	124	113	75 - 125	8	20		
Copper	107	109	75 - 125	2	20		
Barium	107	108	75 - 125	1	20		
Beryllium	106	141	75 - 125	26	20		J
Silver	73	72	75 - 125	0.2	20	J	J
Arsenic	103	104	75 - 125	0.9	20		
Cadmium	107	108	75 - 125	0.7	20		
Calcium	154	140	75 - 125	4	20	J	J
Cobalt	107	108	75 - 125	0.5	20		
Sodium	99	103	75 - 125	5	20		
Thallium	108	109	75 - 125	1	20		
Vanadium	106	105	75 - 125	0.6	20		
Zinc	108	152	75 - 125	25	20		J

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-180784

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-61464-9	Units: mg/Kg	MSD Lab Sample ID:	680-61464-9
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/24/2010 1656		Date Analyzed:	09/24/2010 1701
Date Prepared:	09/23/2010 0913		Date Prepared:	09/23/2010 0913

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aluminum	3400		196	196	4160	4	4250	4
Antimony	0.58	J	49.1	49.1	48.4		48.6	
Selenium	0.99	U	196	196	205		206	
Nickel	2.5	J	49.1	49.1	55.7		55.8	
Lead	3.7		49.1	49.1	55.7		55.5	
Magnesium	1100		491	491	2190	J	1970	J
Iron	7700		98.1	98.1	9380	4	9060	4
Manganese	120		49.1	49.1	238	J	207	J
Potassium	350		491	491	771		805	
Chromium	3.0		19.6	19.6	27.3		25.2	
Copper	3.1		24.5	24.5	29.3		29.8	
Barium	13		196	196	222		225	
Beryllium	0.40		4.91	4.91	5.63		7.34	J
Silver	0.095	U	4.91	4.91	3.56	J	3.55	J
Arsenic	0.89	J	196	196	203		205	
Cadmium	0.099	U	4.91	4.91	5.25		5.29	
Calcium	1000		491	491	1760	J	1690	J
Cobalt	1.8		49.1	49.1	54.4		54.7	
Sodium	81	U	491	491	484		507	
Thallium	0.98	U	196	196	212		214	
Vanadium	8.7		49.1	49.1	60.8		60.4	
Zinc	22		49.1	49.1	74.8		96.5	J

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Serial Dilution - Batch: 680-180784

Method: 6010C
Preparation: 3050B

Lab Sample ID: 680-61464-9
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 09/24/2010 1646
Date Prepared: 09/23/2010 0913

Analysis Batch: 680-180993
Prep Batch: 680-180784
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 092410092410.chr
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	3400		3510	3.1	10	
Antimony	0.58	J	2.6	NC	10	U
Selenium	0.99	U	4.9	NC	10	U
Nickel	2.5	J	2.80	NC	10	J
Lead	3.7		3.44	NC	10	J
Magnesium	1100		1170	2.8	10	
Iron	7700		7970	3.0	10	
Manganese	120		120	3.1	10	
Potassium	350		368	NC	10	J
Chromium	3.0		3.25	NC	10	J
Copper	3.1		5.4	NC	10	U
Barium	13		12.9	NC	10	
Beryllium	0.40		0.411	NC	10	J
Silver	0.095	U	0.47	NC	10	U
Arsenic	0.89	J	2.9	NC	10	U
Cadmium	0.099	U	0.49	NC	10	U
Calcium	1000		1040	3.2	10	
Cobalt	1.8		1.64	NC	10	J
Sodium	81	U	400	NC	10	U
Thallium	0.98	U	4.9	NC	10	U
Vanadium	8.7		9.47	NC	10	
Zinc	22		23.0	NC	10	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Method Blank - Batch: 680-181222

Method: 6010C
Preparation: 3050B

Lab Sample ID: MB 680-181222/9-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/29/2010 1911
Date Prepared: 09/28/2010 1011

Analysis Batch: 680-181557
Prep Batch: 680-181222
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 92910.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Magnesium	2.4	U	2.4	50
Manganese	0.30	U	0.30	1.0
Beryllium	0.020	U	0.020	0.40
Silver	0.096	U	0.096	1.0
Calcium	20	U	20	50
Zinc	1.2	U	1.2	2.0

Lab Control Sample - Batch: 680-181222

Method: 6010C
Preparation: 3050B

Lab Sample ID: LCS 680-181222/10-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/29/2010 1916
Date Prepared: 09/28/2010 1011

Analysis Batch: 680-181557
Prep Batch: 680-181222
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 92910.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Magnesium	500	518	104	75 - 125	
Manganese	50.0	53.5	107	75 - 125	
Beryllium	5.00	5.25	105	75 - 125	
Silver	5.00	5.31	106	75 - 125	
Calcium	500	518	104	75 - 125	
Zinc	50.0	53.6	107	75 - 125	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Post Digestion Spike - Batch: 680-181222

Method: 6010C
Preparation: 3050B

Lab Sample ID: 680-61464-9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/29/2010 1942
Date Prepared: 09/28/2010 1011

Analysis Batch: 680-181557
Prep Batch: 680-181222
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 92910.chr
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Magnesium	1300		503	1750	92	75 - 125	
Manganese	140		50.3	188	88	75 - 125	
Beryllium	0.33	J	5.03	5.17	96	75 - 125	
Silver	0.11	J	5.03	4.00	77	75 - 125	
Calcium	1200		503	1690	92	75 - 125	
Zinc	20		50.3	67.5	94	75 - 125	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-181222

Method: 6010C
Preparation: 3050B

MS Lab Sample ID: 680-61464-9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/29/2010 1947
Date Prepared: 09/28/2010 1011

Analysis Batch: 680-181557
Prep Batch: 680-181222

Instrument ID: ICPD
Lab File ID: 92910.chr
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 100 mL

MSD Lab Sample ID: 680-61464-9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/29/2010 1952
Date Prepared: 09/28/2010 1011

Analysis Batch: 680-181557
Prep Batch: 680-181222

Instrument ID: ICPD
Lab File ID: 92910.chr
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 100 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Magnesium	58	111	75 - 125	16	20	J	
Manganese	76	126	75 - 125	13	20		J
Beryllium	105	105	75 - 125	0.1	20		
Silver	100	97	75 - 125	2	20		
Calcium	69	75	75 - 125	2	20	J	
Zinc	117	102	75 - 125	10	20		

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-181222

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-61464-9	Units: mg/Kg	MSD Lab Sample ID:	680-61464-9
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/29/2010 1947		Date Analyzed:	09/29/2010 1952
Date Prepared:	09/28/2010 1011		Date Prepared:	09/28/2010 1011

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Magnesium	1300		500	500	1580	J	1850	
Manganese	140		50.0	50.0	182		208	J
Beryllium	0.33	J	5.00	5.00	5.59		5.59	
Silver	0.11	J	5.00	5.00	5.10		4.98	
Calcium	1200		500	500	1580	J	1610	
Zinc	20		50.0	50.0	78.9		71.3	

Serial Dilution - Batch: 680-181222

Method: 6010C
Preparation: 3050B

Lab Sample ID:	680-61464-9	Analysis Batch:	680-181557	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-181222	Lab File ID:	92910.chr
Dilution:	5.0	Units:	mg/Kg	Initial Weight/Volume:	1.03 g
Date Analyzed:	09/29/2010 1937			Final Weight/Volume:	100 mL
Date Prepared:	09/28/2010 1011				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Magnesium	1300		1320	2.3	10	
Manganese	140		148	2.6	10	
Beryllium	0.33	J	0.344	NC	10	J
Silver	0.11	J	0.720	NC	10	J
Calcium	1200		1260	2.4	10	
Zinc	20		20.8	NC	10	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Method Blank - Batch: 680-180822

Method: 7471B
Preparation: 7471B

Lab Sample ID: MB 680-180822/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/24/2010 1649
Date Prepared: 09/23/2010 1219

Analysis Batch: 680-180994
Prep Batch: 680-180822
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b092410b.chr
Initial Weight/Volume: 0.50 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Hg	0.0082	U	0.0082	0.020

Lab Control Sample - Batch: 680-180822

Method: 7471B
Preparation: 7471B

Lab Sample ID: LCS 680-180822/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/24/2010 1652
Date Prepared: 09/23/2010 1219

Analysis Batch: 680-180994
Prep Batch: 680-180822
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b092410b.chr
Initial Weight/Volume: 0.50 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	0.250	0.231	92	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-180822

Method: 7471B
Preparation: 7471B

MS Lab Sample ID: 680-61464-9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/24/2010 1729
Date Prepared: 09/23/2010 1219

Analysis Batch: 680-180994
Prep Batch: 680-180822

Instrument ID: LEEMAN1
Lab File ID: b092410b.chr
Initial Weight/Volume: 0.50 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-61464-9
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/24/2010 1732
Date Prepared: 09/23/2010 1219

Analysis Batch: 680-180994
Prep Batch: 680-180822

Instrument ID: LEEMAN1
Lab File ID: b092410b.chr
Initial Weight/Volume: 0.50 g
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hg	93	96	80 - 120	3	20		

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-180822

Method: 7471B
Preparation: 7471B

MS Lab Sample ID:	680-61464-9	Units: mg/Kg	MSD Lab Sample ID:	680-61464-9
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	09/24/2010 1729		Date Analyzed:	09/24/2010 1732
Date Prepared:	09/23/2010 1219		Date Prepared:	09/23/2010 1219

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Hg	0.0085	U	0.103	0.103	0.0954	0.0987

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	U	Undetected at the Limit of Detection.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-180784					
LCS 680-180784/16-A	Lab Control Sample	T	Solid	3050B	
MB 680-180784/15-A	Method Blank	T	Solid	3050B	
680-61464-6	C-B82-GTM2-SW-01	T	Solid	3050B	
680-61464-7	C-B82-GTM2-SW-02	T	Solid	3050B	
680-61464-8	C-B82-GTM2-SW-02D	T	Solid	3050B	
680-61464-9	C-B82-GTM2-SW-03	T	Solid	3050B	
680-61464-9MS	Matrix Spike	T	Solid	3050B	
680-61464-9MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-61464-10	C-B82-GTM2-SW-04	T	Solid	3050B	
680-61464-11	C-B82-GTM2-B-5	T	Solid	3050B	
Prep Batch: 680-180822					
LCS 680-180822/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-180822/1-A	Method Blank	T	Solid	7471B	
680-61464-6	C-B82-GTM2-SW-01	T	Solid	7471B	
680-61464-7	C-B82-GTM2-SW-02	T	Solid	7471B	
680-61464-8	C-B82-GTM2-SW-02D	T	Solid	7471B	
680-61464-9	C-B82-GTM2-SW-03	T	Solid	7471B	
680-61464-9MS	Matrix Spike	T	Solid	7471B	
680-61464-9MSD	Matrix Spike Duplicate	T	Solid	7471B	
680-61464-10	C-B82-GTM2-SW-04	T	Solid	7471B	
680-61464-11	C-B82-GTM2-B-5	T	Solid	7471B	
Analysis Batch:680-180993					
LCS 680-180784/16-A	Lab Control Sample	T	Solid	6010C	680-180784
MB 680-180784/15-A	Method Blank	T	Solid	6010C	680-180784
680-61464-6	C-B82-GTM2-SW-01	T	Solid	6010C	680-180784
680-61464-7	C-B82-GTM2-SW-02	T	Solid	6010C	680-180784
680-61464-8	C-B82-GTM2-SW-02D	T	Solid	6010C	680-180784
680-61464-9	C-B82-GTM2-SW-03	T	Solid	6010C	680-180784
680-61464-9MS	Matrix Spike	T	Solid	6010C	680-180784
680-61464-9MSD	Matrix Spike Duplicate	T	Solid	6010C	680-180784
680-61464-10	C-B82-GTM2-SW-04	T	Solid	6010C	680-180784
680-61464-11	C-B82-GTM2-B-5	T	Solid	6010C	680-180784

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
Sdg Number: 67834

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-180994					
LCS 680-180822/2-A	Lab Control Sample	T	Solid	7471B	680-180822
MB 680-180822/1-A	Method Blank	T	Solid	7471B	680-180822
680-61464-6	C-B82-GTM2-SW-01	T	Solid	7471B	680-180822
680-61464-7	C-B82-GTM2-SW-02	T	Solid	7471B	680-180822
680-61464-8	C-B82-GTM2-SW-02D	T	Solid	7471B	680-180822
680-61464-9	C-B82-GTM2-SW-03	T	Solid	7471B	680-180822
680-61464-9MS	Matrix Spike	T	Solid	7471B	680-180822
680-61464-9MSD	Matrix Spike Duplicate	T	Solid	7471B	680-180822
680-61464-10	C-B82-GTM2-SW-04	T	Solid	7471B	680-180822
680-61464-11	C-B82-GTM2-B-5	T	Solid	7471B	680-180822
Prep Batch: 680-181222					
LCS 680-181222/10-A	Lab Control Sample	T	Solid	3050B	
MB 680-181222/9-A	Method Blank	T	Solid	3050B	
680-61464-9	C-B82-GTM2-SW-03	T	Solid	3050B	
680-61464-9MS	Matrix Spike	T	Solid	3050B	
680-61464-9MSD	Matrix Spike Duplicate	T	Solid	3050B	
Analysis Batch:680-181557					
LCS 680-181222/10-A	Lab Control Sample	T	Solid	6010C	680-181222
MB 680-181222/9-A	Method Blank	T	Solid	6010C	680-181222
680-61464-9	C-B82-GTM2-SW-03	T	Solid	6010C	680-181222
680-61464-9MS	Matrix Spike	T	Solid	6010C	680-181222
680-61464-9MSD	Matrix Spike Duplicate	T	Solid	6010C	680-181222

Report Basis
T = Total

General Chemistry					
Analysis Batch:680-180787					
680-61464-6	C-B82-GTM2-SW-01	T	Solid	Moisture	
680-61464-7	C-B82-GTM2-SW-02	T	Solid	Moisture	
680-61464-8	C-B82-GTM2-SW-02D	T	Solid	Moisture	
680-61464-9	C-B82-GTM2-SW-03	T	Solid	Moisture	
680-61464-9MS	Matrix Spike	T	Solid	Moisture	
680-61464-9MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-61464-10	C-B82-GTM2-SW-04	T	Solid	Moisture	
680-61464-11	C-B82-GTM2-B-5	T	Solid	Moisture	

Report Basis
T = Total

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
SDG: 67834

Laboratory Chronicle

Lab ID: **680-61464-6** **Client ID:** **C-B82-GTM2-SW-01**

Sample Date/Time: 09/20/2010 12:30 Received Date/Time: 09/22/2010 10:18

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61464-A-6-A		680-180993	680-180784	09/23/2010 09:13	1	TAL SAV	HM
A:6010C	680-61464-A-6-A		680-180993	680-180784	09/24/2010 16:15	1	TAL SAV	BCB
P:7471B	680-61464-A-6-B		680-180994	680-180822	09/23/2010 12:19	1	TAL SAV	JV
A:7471B	680-61464-A-6-B		680-180994	680-180822	09/24/2010 17:11	1	TAL SAV	CE
A:Moisture	680-61464-A-6		680-180787		09/23/2010 09:24	1	TAL SAV	FS

Lab ID: **680-61464-7** **Client ID:** **C-B82-GTM2-SW-02**

Sample Date/Time: 09/20/2010 12:50 Received Date/Time: 09/22/2010 10:18

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61464-A-7-A		680-180993	680-180784	09/23/2010 09:13	1	TAL SAV	HM
A:6010C	680-61464-A-7-A		680-180993	680-180784	09/24/2010 16:30	1	TAL SAV	BCB
P:7471B	680-61464-A-7-B		680-180994	680-180822	09/23/2010 12:19	1	TAL SAV	JV
A:7471B	680-61464-A-7-B		680-180994	680-180822	09/24/2010 17:19	1	TAL SAV	CE
A:Moisture	680-61464-A-7		680-180787		09/23/2010 09:24	1	TAL SAV	FS

Lab ID: **680-61464-8** **Client ID:** **C-B82-GTM2-SW-02D**

Sample Date/Time: 09/20/2010 12:50 Received Date/Time: 09/22/2010 10:18

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61464-A-8-A		680-180993	680-180784	09/23/2010 09:13	1	TAL SAV	HM
A:6010C	680-61464-A-8-A		680-180993	680-180784	09/24/2010 16:35	1	TAL SAV	BCB
P:7471B	680-61464-A-8-B		680-180994	680-180822	09/23/2010 12:19	1	TAL SAV	JV
A:7471B	680-61464-A-8-B		680-180994	680-180822	09/24/2010 17:22	1	TAL SAV	CE
A:Moisture	680-61464-A-8		680-180787		09/23/2010 09:24	1	TAL SAV	FS

Lab ID: **680-61464-9** **Client ID:** **C-B82-GTM2-SW-03**

Sample Date/Time: 09/20/2010 12:55 Received Date/Time: 09/22/2010 10:18

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61464-A-9-A		680-180993	680-180784	09/23/2010 09:13	1	TAL SAV	HM
A:6010C	680-61464-A-9-A		680-180993	680-180784	09/24/2010 16:41	1	TAL SAV	BCB
P:3050B	680-61464-A-9-G		680-181557	680-181222	09/28/2010 10:11	1	TAL SAV	HM
A:6010C	680-61464-A-9-G		680-181557	680-181222	09/29/2010 19:32	1	TAL SAV	BCB
P:7471B	680-61464-A-9-D		680-180994	680-180822	09/23/2010 12:19	1	TAL SAV	JV
A:7471B	680-61464-A-9-D		680-180994	680-180822	09/24/2010 17:25	1	TAL SAV	CE
A:Moisture	680-61464-A-9		680-180787		09/23/2010 09:24	1	TAL SAV	FS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
SDG: 67834

Laboratory Chronicle

Lab ID: **680-61464-9** **Client ID:** **C-B82-GTM2-SW-03**

Sample Date/Time: 09/20/2010 12:55 Received Date/Time: 09/22/2010 10:18

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61464-A-9-B MS		680-180993	680-180784	09/23/2010 09:13	1	TAL SAV	HM
A:6010C	680-61464-A-9-B MS		680-180993	680-180784	09/24/2010 16:56	1	TAL SAV	BCB
P:3050B	680-61464-A-9-H MS		680-181557	680-181222	09/28/2010 10:11	1	TAL SAV	HM
A:6010C	680-61464-A-9-H MS		680-181557	680-181222	09/29/2010 19:47	1	TAL SAV	BCB
P:7471B	680-61464-A-9-E MS		680-180994	680-180822	09/23/2010 12:19	1	TAL SAV	JV
A:7471B	680-61464-A-9-E MS		680-180994	680-180822	09/24/2010 17:29	1	TAL SAV	CE
A:Moisture	680-61464-A-9 MS		680-180787		09/23/2010 09:24	1	TAL SAV	FS

Lab ID: **680-61464-9** **Client ID:** **C-B82-GTM2-SW-03**

Sample Date/Time: 09/20/2010 12:55 Received Date/Time: 09/22/2010 10:18

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61464-A-9-C MSD		680-180993	680-180784	09/23/2010 09:13	1	TAL SAV	HM
A:6010C	680-61464-A-9-C MSD		680-180993	680-180784	09/24/2010 17:01	1	TAL SAV	BCB
P:3050B	680-61464-A-9-I MSD		680-181557	680-181222	09/28/2010 10:11	1	TAL SAV	HM
A:6010C	680-61464-A-9-I MSD		680-181557	680-181222	09/29/2010 19:52	1	TAL SAV	BCB
P:7471B	680-61464-A-9-F MSD		680-180994	680-180822	09/23/2010 12:19	1	TAL SAV	JV
A:7471B	680-61464-A-9-F MSD		680-180994	680-180822	09/24/2010 17:32	1	TAL SAV	CE
A:Moisture	680-61464-A-9 MSD		680-180787		09/23/2010 09:24	1	TAL SAV	FS

Lab ID: **680-61464-9 SD** **Client ID:** **C-B82-GTM2-SW-03**

Sample Date/Time: 09/20/2010 12:55 Received Date/Time: 09/22/2010 10:18

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61464-A-9-A SD		680-180993	680-180784	09/23/2010 09:13	5	TAL SAV	HM
A:6010C	680-61464-A-9-A SD		680-180993	680-180784	09/24/2010 16:46	5	TAL SAV	BCB
P:3050B	680-61464-A-9-A PDS		680-180993	680-180784	09/23/2010 09:13	1	TAL SAV	HM
A:6010C	680-61464-A-9-A PDS		680-180993	680-180784	09/24/2010 16:51	1	TAL SAV	BCB
P:3050B	680-61464-A-9-G SD		680-181557	680-181222	09/28/2010 10:11	5	TAL SAV	HM
A:6010C	680-61464-A-9-G SD		680-181557	680-181222	09/29/2010 19:37	5	TAL SAV	BCB
P:3050B	680-61464-A-9-G PDS		680-181557	680-181222	09/28/2010 10:11	1	TAL SAV	HM
A:6010C	680-61464-A-9-G PDS		680-181557	680-181222	09/29/2010 19:42	1	TAL SAV	BCB

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
SDG: 67834

Laboratory Chronicle

Lab ID: **680-61464-10** **Client ID:** **C-B82-GTM2-SW-04**

Sample Date/Time: 09/20/2010 13:00 Received Date/Time: 09/22/2010 10:18

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61464-A-10-A		680-180993	680-180784	09/23/2010 09:13	1	TAL SAV	HM
A:6010C	680-61464-A-10-A		680-180993	680-180784	09/24/2010 17:07	1	TAL SAV	BCB
P:7471B	680-61464-A-10-B		680-180994	680-180822	09/23/2010 12:19	1	TAL SAV	JV
A:7471B	680-61464-A-10-B		680-180994	680-180822	09/24/2010 17:35	1	TAL SAV	CE
A:Moisture	680-61464-A-10		680-180787		09/23/2010 09:24	1	TAL SAV	FS

Lab ID: **680-61464-11** **Client ID:** **C-B82-GTM2-B-5**

Sample Date/Time: 09/20/2010 13:05 Received Date/Time: 09/22/2010 10:18

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-61464-A-11-A		680-180993	680-180784	09/23/2010 09:13	1	TAL SAV	HM
A:6010C	680-61464-A-11-A		680-180993	680-180784	09/24/2010 17:12	1	TAL SAV	BCB
P:7471B	680-61464-A-11-B		680-180994	680-180822	09/23/2010 12:19	1	TAL SAV	JV
A:7471B	680-61464-A-11-B		680-180994	680-180822	09/24/2010 17:38	1	TAL SAV	CE
A:Moisture	680-61464-A-11		680-180787		09/23/2010 09:24	1	TAL SAV	FS

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	MB 680-180784/15-A		680-180993	680-180784	09/23/2010 09:13	1	TAL SAV	HM
A:6010C	MB 680-180784/15-A		680-180993	680-180784	09/24/2010 15:38	1	TAL SAV	BCB
P:3050B	MB 680-181222/9-A		680-181557	680-181222	09/28/2010 10:11	1	TAL SAV	HM
A:6010C	MB 680-181222/9-A		680-181557	680-181222	09/29/2010 19:11	1	TAL SAV	BCB
P:7471B	MB 680-180822/1-A		680-180994	680-180822	09/23/2010 12:19	1	TAL SAV	JV
A:7471B	MB 680-180822/1-A		680-180994	680-180822	09/24/2010 16:49	1	TAL SAV	CE

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCS 680-180784/16-A		680-180993	680-180784	09/23/2010 09:15	1	TAL SAV	HM
A:6010C	LCS 680-180784/16-A		680-180993	680-180784	09/24/2010 15:44	1	TAL SAV	BCB
P:3050B	LCS 680-181222/10-A		680-181557	680-181222	09/28/2010 10:11	1	TAL SAV	HM
A:6010C	LCS 680-181222/10-A		680-181557	680-181222	09/29/2010 19:16	1	TAL SAV	BCB
P:7471B	LCS 680-180822/2-A		680-180994	680-180822	09/23/2010 12:19	1	TAL SAV	JV
A:7471B	LCS 680-180822/2-A		680-180994	680-180822	09/24/2010 16:52	1	TAL SAV	CE

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
SDG: 67834

Laboratory Chronicle

Lab References:
TAL SAV = TestAmerica Savannah

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-61464-2

SDG No.: 67834

Project: CT048 Bldg. 92, SOWEY

Client Sample ID	Lab Sample ID
C-B82-GTM2-SW-01	680-61464-6
C-B82-GTM2-SW-02	680-61464-7
C-B82-GTM2-SW-02D	680-61464-8
C-B82-GTM2-SW-03	680-61464-9
C-B82-GTM2-SW-04	680-61464-10
C-B82-GTM2-B-5	680-61464-11

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: C-B82-GTM2-SW-01
Lab Sample ID: 680-61464-6
Lab Name: TestAmerica Savannah
Job No.: 680-61464-2
SDG ID.: 67834
Matrix: Solid
Date Sampled: 09/20/2010 12:30
Reporting Basis: DRY
Date Received: 09/22/2010 10:18
% Solids: 94.4

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5600	21	10	mg/Kg			1	6010C
7440-36-0	Antimony	0.55	2.1	0.55	mg/Kg	U		1	6010C
7782-49-2	Selenium	1.0	2.6	1.0	mg/Kg	U		1	6010C
7440-02-0	Nickel	6.3	4.1	0.32	mg/Kg			1	6010C
7439-92-1	Lead	7.6	1.0	0.55	mg/Kg			1	6010C
7439-95-4	Magnesium	2600	51	2.5	mg/Kg			1	6010C
7439-89-6	Iron	12000	21	7.2	mg/Kg			1	6010C
7439-96-5	Manganese	150	1.0	0.31	mg/Kg			1	6010C
7440-09-7	Potassium	400	100	8.2	mg/Kg			1	6010C
7440-47-3	Chromium	7.1	1.0	0.51	mg/Kg			1	6010C
7440-50-8	Copper	8.3	2.6	1.1	mg/Kg			1	6010C
7440-39-3	Barium	15	1.0	0.31	mg/Kg			1	6010C
7440-41-7	Beryllium	0.54	0.41	0.021	mg/Kg			1	6010C
7440-22-4	Silver	0.099	1.0	0.099	mg/Kg	U		1	6010C
7440-38-2	Arsenic	1.1	2.1	0.61	mg/Kg	J		1	6010C
7440-43-9	Cadmium	0.10	0.51	0.10	mg/Kg	U		1	6010C
7440-70-2	Calcium	2300	51	21	mg/Kg			1	6010C
7440-48-4	Cobalt	4.8	1.0	0.12	mg/Kg			1	6010C
7440-23-5	Sodium	84	210	84	mg/Kg	U		1	6010C
7440-28-0	Thallium	1.0	2.6	1.0	mg/Kg	U		1	6010C
7440-62-2	Vanadium	17	1.0	0.25	mg/Kg			1	6010C
7440-66-6	Zinc	38	2.1	1.2	mg/Kg			1	6010C
7439-97-6	Hg	0.0084	0.020	0.0084	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: C-B82-GTM2-SW-02
Lab Sample ID: 680-61464-7
Lab Name: TestAmerica Savannah
Job No.: 680-61464-2
SDG ID.: 67834
Matrix: Solid
Date Sampled: 09/20/2010 12:50
Reporting Basis: DRY
Date Received: 09/22/2010 10:18
% Solids: 92.7

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5000	21	10	mg/Kg			1	6010C
7440-36-0	Antimony	0.55	2.1	0.55	mg/Kg	U		1	6010C
7782-49-2	Selenium	1.0	2.6	1.0	mg/Kg	U		1	6010C
7440-02-0	Nickel	4.4	4.1	0.32	mg/Kg			1	6010C
7439-92-1	Lead	7.3	1.0	0.55	mg/Kg			1	6010C
7439-95-4	Magnesium	1700	52	2.5	mg/Kg			1	6010C
7439-89-6	Iron	12000	21	7.3	mg/Kg			1	6010C
7439-96-5	Manganese	260	1.0	0.31	mg/Kg			1	6010C
7440-09-7	Potassium	510	100	8.3	mg/Kg			1	6010C
7440-47-3	Chromium	5.2	1.0	0.52	mg/Kg			1	6010C
7440-50-8	Copper	4.6	2.6	1.1	mg/Kg			1	6010C
7440-39-3	Barium	22	1.0	0.31	mg/Kg			1	6010C
7440-41-7	Beryllium	0.58	0.41	0.021	mg/Kg			1	6010C
7440-22-4	Silver	0.10	1.0	0.10	mg/Kg	U		1	6010C
7440-38-2	Arsenic	1.3	2.1	0.61	mg/Kg	J		1	6010C
7440-43-9	Cadmium	0.10	0.52	0.10	mg/Kg	U		1	6010C
7440-70-2	Calcium	1700	52	21	mg/Kg			1	6010C
7440-48-4	Cobalt	3.1	1.0	0.12	mg/Kg			1	6010C
7440-23-5	Sodium	85	210	85	mg/Kg	U		1	6010C
7440-28-0	Thallium	1.0	2.6	1.0	mg/Kg	U		1	6010C
7440-62-2	Vanadium	11	1.0	0.25	mg/Kg			1	6010C
7440-66-6	Zinc	32	2.1	1.2	mg/Kg			1	6010C
7439-97-6	Hg	0.0088	0.022	0.0088	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: C-B82-GTM2-SW-02D
Lab Sample ID: 680-61464-8
Lab Name: TestAmerica Savannah
Job No.: 680-61464-2
SDG ID.: 67834
Matrix: Solid
Date Sampled: 09/20/2010 12:50
Reporting Basis: DRY
Date Received: 09/22/2010 10:18
% Solids: 91.6

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4800	20	9.8	mg/Kg			1	6010C
7440-36-0	Antimony	0.52	2.0	0.52	mg/Kg	U		1	6010C
7782-49-2	Selenium	0.98	2.5	0.98	mg/Kg	U		1	6010C
7440-02-0	Nickel	3.2	3.9	0.30	mg/Kg	J		1	6010C
7439-92-1	Lead	6.8	0.98	0.52	mg/Kg			1	6010C
7439-95-4	Magnesium	1500	49	2.4	mg/Kg			1	6010C
7439-89-6	Iron	12000	20	6.9	mg/Kg			1	6010C
7439-96-5	Manganese	230	0.98	0.30	mg/Kg			1	6010C
7440-09-7	Potassium	410	98	7.9	mg/Kg			1	6010C
7440-47-3	Chromium	5.6	0.98	0.49	mg/Kg			1	6010C
7440-50-8	Copper	5.2	2.5	1.1	mg/Kg			1	6010C
7440-39-3	Barium	19	0.98	0.30	mg/Kg			1	6010C
7440-41-7	Beryllium	0.66	0.39	0.020	mg/Kg			1	6010C
7440-22-4	Silver	0.094	0.98	0.094	mg/Kg	U		1	6010C
7440-38-2	Arsenic	1.5	2.0	0.58	mg/Kg	J		1	6010C
7440-43-9	Cadmium	0.098	0.49	0.098	mg/Kg	U		1	6010C
7440-70-2	Calcium	1200	49	20	mg/Kg			1	6010C
7440-48-4	Cobalt	2.4	0.98	0.12	mg/Kg			1	6010C
7440-23-5	Sodium	81	200	81	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.97	2.5	0.97	mg/Kg	U		1	6010C
7440-62-2	Vanadium	12	0.98	0.24	mg/Kg			1	6010C
7440-66-6	Zinc	38	2.0	1.2	mg/Kg			1	6010C
7439-97-6	Hg	0.0090	0.022	0.0090	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: C-B82-GTM2-SW-03
Lab Sample ID: 680-61464-9
Lab Name: TestAmerica Savannah
Job No.: 680-61464-2
SDG ID.: 67834
Matrix: Solid
Date Sampled: 09/20/2010 12:55
Reporting Basis: DRY
Date Received: 09/22/2010 10:18
% Solids: 96.6

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3400	20	9.9	mg/Kg		J	1	6010C
7440-36-0	Antimony	0.58	2.0	0.52	mg/Kg	J		1	6010C
7782-49-2	Selenium	0.99	2.5	0.99	mg/Kg	U		1	6010C
7440-02-0	Nickel	2.5	3.9	0.31	mg/Kg	J		1	6010C
7439-92-1	Lead	3.7	0.99	0.52	mg/Kg			1	6010C
7439-95-4	Magnesium	1100	49	2.4	mg/Kg		J	1	6010C
7439-95-4	Magnesium	1300	50	2.4	mg/Kg		J	1	6010C
7439-89-6	Iron	7700	20	6.9	mg/Kg		J	1	6010C
7439-96-5	Manganese	120	0.99	0.30	mg/Kg		J	1	6010C
7439-96-5	Manganese	140	1.0	0.30	mg/Kg		J	1	6010C
7440-09-7	Potassium	350	99	7.9	mg/Kg			1	6010C
7440-47-3	Chromium	3.0	0.99	0.49	mg/Kg			1	6010C
7440-50-8	Copper	3.1	2.5	1.1	mg/Kg			1	6010C
7440-39-3	Barium	13	0.99	0.30	mg/Kg			1	6010C
7440-41-7	Beryllium	0.40	0.39	0.020	mg/Kg		J	1	6010C
7440-41-7	Beryllium	0.33	0.40	0.020	mg/Kg	J		1	6010C
7440-22-4	Silver	0.095	0.99	0.095	mg/Kg	U	J	1	6010C
7440-22-4	Silver	0.11	1.0	0.096	mg/Kg	J		1	6010C
7440-38-2	Arsenic	0.89	2.0	0.58	mg/Kg	J		1	6010C
7440-43-9	Cadmium	0.099	0.49	0.099	mg/Kg	U		1	6010C
7440-70-2	Calcium	1000	49	20	mg/Kg		J	1	6010C
7440-70-2	Calcium	1200	50	20	mg/Kg		J	1	6010C
7440-48-4	Cobalt	1.8	0.99	0.12	mg/Kg			1	6010C
7440-23-5	Sodium	81	200	81	mg/Kg	U		1	6010C
7440-28-0	Thallium	0.98	2.5	0.98	mg/Kg	U		1	6010C
7440-62-2	Vanadium	8.7	0.99	0.24	mg/Kg			1	6010C
7440-66-6	Zinc	22	2.0	1.2	mg/Kg		J	1	6010C
7440-66-6	Zinc	20	2.0	1.2	mg/Kg			1	6010C
7439-97-6	Hg	0.0085	0.021	0.0085	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: C-B82-GTM2-SW-04
Lab Sample ID: 680-61464-10
Lab Name: TestAmerica Savannah
Job No.: 680-61464-2
SDG ID.: 67834
Matrix: Solid
Date Sampled: 09/20/2010 13:00
Reporting Basis: DRY
Date Received: 09/22/2010 10:18
% Solids: 89.7

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5300	22	11	mg/Kg			1	6010C
7440-36-0	Antimony	0.82	2.2	0.58	mg/Kg	J		1	6010C
7782-49-2	Selenium	1.1	2.7	1.1	mg/Kg	U		1	6010C
7440-02-0	Nickel	7.1	4.4	0.34	mg/Kg			1	6010C
7439-92-1	Lead	7.1	1.1	0.58	mg/Kg			1	6010C
7439-95-4	Magnesium	2100	55	2.6	mg/Kg			1	6010C
7439-89-6	Iron	8600	22	7.7	mg/Kg			1	6010C
7439-96-5	Manganese	130	1.1	0.33	mg/Kg			1	6010C
7440-09-7	Potassium	380	110	8.7	mg/Kg			1	6010C
7440-47-3	Chromium	7.1	1.1	0.55	mg/Kg			1	6010C
7440-50-8	Copper	11	2.7	1.2	mg/Kg			1	6010C
7440-39-3	Barium	17	1.1	0.33	mg/Kg			1	6010C
7440-41-7	Beryllium	1.1	0.44	0.022	mg/Kg			1	6010C
7440-22-4	Silver	0.10	1.1	0.10	mg/Kg	U		1	6010C
7440-38-2	Arsenic	1.6	2.2	0.64	mg/Kg	J		1	6010C
7440-43-9	Cadmium	0.75	0.55	0.11	mg/Kg			1	6010C
7440-70-2	Calcium	1900	55	22	mg/Kg			1	6010C
7440-48-4	Cobalt	3.1	1.1	0.13	mg/Kg			1	6010C
7440-23-5	Sodium	90	220	90	mg/Kg	U		1	6010C
7440-28-0	Thallium	1.1	2.7	1.1	mg/Kg	U		1	6010C
7440-62-2	Vanadium	14	1.1	0.26	mg/Kg			1	6010C
7440-66-6	Zinc	27	2.2	1.3	mg/Kg			1	6010C
7439-97-6	Hg	0.012	0.022	0.0090	mg/Kg	J		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: C-B82-GTM2-B-5
Lab Sample ID: 680-61464-11
Lab Name: TestAmerica Savannah
Job No.: 680-61464-2
SDG ID.: 67834
Matrix: Solid
Date Sampled: 09/20/2010 13:05
Reporting Basis: DRY
Date Received: 09/22/2010 10:18
% Solids: 77.8

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3100	24	12	mg/Kg			1	6010C
7440-36-0	Antimony	0.64	2.4	0.64	mg/Kg	U		1	6010C
7782-49-2	Selenium	1.2	3.0	1.2	mg/Kg	U		1	6010C
7440-02-0	Nickel	3.6	4.8	0.37	mg/Kg	J		1	6010C
7439-92-1	Lead	2.5	1.2	0.64	mg/Kg			1	6010C
7439-95-4	Magnesium	1200	60	2.9	mg/Kg			1	6010C
7439-89-6	Iron	5700	24	8.4	mg/Kg			1	6010C
7439-96-5	Manganese	67	1.2	0.36	mg/Kg			1	6010C
7440-09-7	Potassium	360	120	9.6	mg/Kg			1	6010C
7440-47-3	Chromium	4.8	1.2	0.60	mg/Kg			1	6010C
7440-50-8	Copper	4.8	3.0	1.3	mg/Kg			1	6010C
7440-39-3	Barium	12	1.2	0.36	mg/Kg			1	6010C
7440-41-7	Beryllium	0.29	0.48	0.024	mg/Kg	J		1	6010C
7440-22-4	Silver	0.12	1.2	0.12	mg/Kg	U		1	6010C
7440-38-2	Arsenic	0.71	2.4	0.71	mg/Kg	U		1	6010C
7440-43-9	Cadmium	0.12	0.60	0.12	mg/Kg	U		1	6010C
7440-70-2	Calcium	960	60	24	mg/Kg			1	6010C
7440-48-4	Cobalt	2.0	1.2	0.14	mg/Kg			1	6010C
7440-23-5	Sodium	99	240	99	mg/Kg	U		1	6010C
7440-28-0	Thallium	1.2	3.0	1.2	mg/Kg	U		1	6010C
7440-62-2	Vanadium	9.0	1.2	0.29	mg/Kg			1	6010C
7440-66-6	Zinc	19	2.4	1.4	mg/Kg			1	6010C
7439-97-6	Hg	0.010	0.025	0.010	mg/Kg	U		1	7471B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	ICV 680-180993/4 09/24/2010 14:13				CCV 680-180993/11 09/24/2010 15:00				CCV 680-180993/23 09/24/2010 16:20			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	989		1000	99	4940		5000	99	4970		5000	99
Antimony	962		1000	96	502		500	100	500		500	100
Arsenic	1010		1000	101	501		500	100	506		500	101
Barium	1000		1000	100	5010		5000	100	5050		5000	101
Beryllium	990		1000	99	500		500	100	507		500	101
Cadmium	1000		1000	100	500		500	100	513		500	103
Calcium	989		1000	99	4980		5000	100	5060		5000	101
Chromium	1010		1000	101	4990		5000	100	5050		5000	101
Cobalt	993		1000	99	497		500	99	503		500	101
Copper	1000		1000	100	4960		5000	99	4980		5000	100
Iron	988		1000	99	4970		5000	99	5060		5000	101
Lead	981		1000	98	505		500	101	509		500	102
Magnesium	998		1000	100	4970		5000	99	5030		5000	101
Manganese	1000		1000	100	4990		5000	100	5050		5000	101
Nickel	999		1000	100	2500		2500	100	2540		2500	102
Potassium	19300		20000	97	9920		10000	99	9940		10000	99
Selenium	1000		1000	100	5060		5000	101	5120		5000	102
Silver	970		1000	97	494		500	99	497		500	99
Sodium	9650		10000	97	7410		7500	99	7130		7500	95
Thallium	989		1000	99	5010		5000	100	5100		5000	102
Vanadium	983		1000	98	4960		5000	99	5000		5000	100
Zinc	1000		1000	100	2500		2500	100	2540		2500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	CCV 680-180993/35 09/24/2010 17:22				CCV 680-180993/109 09/25/2010 00:11				CCV 680-180993/114 09/25/2010 00:40			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	4960		5000	99	5020		5000	100	5060		5000	101
Antimony	510		500	102	502		500	100	507		500	101
Arsenic	517		500	103	511		500	102	514		500	103
Barium	5010		5000	100	5000		5000	100	5000		5000	100
Beryllium	516		500	103	504		500	101	508		500	102
Cadmium	526		500	105	506		500	101	510		500	102
Calcium	5280		5000	106	5090		5000	102	5150		5000	103
Chromium	5120		5000	102	5030		5000	101	5050		5000	101
Cobalt	513		500	103	505		500	101	507		500	101
Copper	4950		5000	99	4980		5000	100	4980		5000	100
Iron	5180		5000	104	5050		5000	101	5100		5000	102
Lead	525		500	105	510		500	102	514		500	103
Magnesium	5190		5000	104	5100		5000	102	5190		5000	104
Manganese	5140		5000	103	5040		5000	101	5060		5000	101
Nickel	2590		2500	104	2530		2500	101	2550		2500	102
Potassium	9800		10000	98	10100		10000	101	10100		10000	101
Selenium	5270		5000	105	5110		5000	102	5140		5000	103
Silver	496		500	99	497		500	99	496		500	99
Sodium	7500		7500	100	7330		7500	98	7440		7500	99
Thallium	5210		5000	104	5090		5000	102	5120		5000	102
Vanadium	5030		5000	101	5030		5000	101	5040		5000	101
Zinc	2620		2500	105	2540		2500	102	2560		2500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	ICV 680-181557/4 09/29/2010 15:00				CCV 680-181557/10 09/29/2010 15:47				CCV 680-181557/42 09/29/2010 19:01			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Beryllium	1010		1000	101	505		500	101	518		500	104
Calcium	1000		1000	100	4990		5000	100	5090		5000	102
Magnesium	1010		1000	101	4950		5000	99	5090		5000	102
Manganese	1020		1000	102	5040		5000	101	5210		5000	104
Silver	984		1000	98	497		500	99	509		500	102
Zinc	1020		1000	102	2510		2500	100	2580		2500	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	CCV 680-181557/54 09/29/2010 20:03				CCV 680-181557/209 09/30/2010 10:52				CCV 680-181557/217 09/30/2010 11:48			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Beryllium	509		500	102	509		500	102	514		500	103
Calcium	5000		5000	100	5110		5000	102	5120		5000	102
Magnesium	4990		5000	100	5120		5000	102	5150		5000	103
Manganese	5100		5000	102	5150		5000	103	5150		5000	103
Silver	503		500	101	503		500	101	500		500	100
Zinc	2520		2500	101	2570		2500	103	2600		2500	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

ICV Source: Hg_CLPICVstk_00001 Concentration Units: ug/L

CCV Source: HG_3.0_std_00091

Analyte	ICV 680-180994/7 09/24/2010 10:35				CCV 680-180994/112 09/24/2010 16:38				CCV 680-180994/124 09/24/2010 17:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	4.16		4.00	104	3.33		3.00	111	3.31		3.00	110

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

ICV Source: Hg_CLPICVstk_00001 Concentration Units: ug/L

CCV Source: HG_3.0_std_00091

Analyte	CCV 680-180994/134 09/24/2010 17:45											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	3.31		3.00	110								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Analysis Method: 6010C Instrument ID: ICPD

Lab Sample ID: CRI 680-180993/8 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	200	218		109	50-150
Antimony	20.0	21.0		105	50-150
Selenium	20.0	24.0	J	120	50-150
Nickel	40.0	41.0		102	50-150
Lead	10.0	10.6		106	50-150
Magnesium	500	508		102	50-150
Iron	50.0	70	U	116	50-150
Manganese	10.0	10.2		102	50-150
Potassium	1000	1010		101	50-150
Chromium	10.0	10.3		103	50-150
Copper	20.0	21.2		106	50-150
Barium	10.0	10.2		102	50-150
Beryllium	4.00	4.02		100	50-150
Silver	10.0	10.5		105	50-150
Arsenic	20.0	18.7	J	93	50-150
Cadmium	5.00	5.30		106	50-150
Calcium	500	508		102	50-150
Cobalt	10.0	10.2		102	50-150
Sodium	1000	968	J	97	50-150
Thallium	25.0	27.3		109	50-150
Vanadium	10.0	10.6		106	50-150
Zinc	20.0	21.6		108	50-150

Lab Sample ID: CRI 680-180993/111 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	1000	1090		109	50-150
Antimony	100	102		102	50-150
Selenium	100	119	J	119	50-150
Nickel	200	207		104	50-150
Lead	50.0	47.6	J	95	50-150
Magnesium	2500	2610		104	50-150
Iron	250	350	U	94	50-150
Manganese	50.0	51.8		104	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Analysis Method: 6010C Instrument ID: ICPD

Lab Sample ID: CRI 680-180993/111 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Potassium	5000	5170		103	50-150
Chromium	50.0	50.7		101	50-150
Copper	100	108		108	50-150
Barium	50.0	52.3		105	50-150
Beryllium	20.0	20.3		101	50-150
Silver	50.0	52.7		105	50-150
Arsenic	100	93.3	J	93	50-150
Cadmium	25.0	28.1		112	50-150
Calcium	2500	2600		104	50-150
Cobalt	50.0	49.5	J	99	50-150
Sodium	5000	4870	J	97	50-150
Thallium	125	153		123	50-150
Vanadium	50.0	51.4		103	50-150
Zinc	100	115		115	50-150

Lab Sample ID: CRI 680-181557/7 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Magnesium	500	512		102	50-150
Manganese	10.0	10.2		102	50-150
Beryllium	4.00	4.03		101	50-150
Silver	10.0	11.0		110	50-150
Calcium	500	508		102	50-150
Zinc	20.0	21.6		108	50-150

Lab Sample ID: CRI 680-181557/214 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Magnesium	500	525		105	50-150
Manganese	10.0	10.4		104	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Analysis Method: 6010C Instrument ID: ICPD

Lab Sample ID: CRI 680-181557/214 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Beryllium	4.00	4.16		104	50-150
Silver	10.0	11.7		117	50-150
Calcium	500	521		104	50-150
Zinc	20.0	22.0		110	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Analysis Method: 7471B Instrument ID: LEEMAN1

Lab Sample ID: CRA 680-180994/11 Concentration Units: ug/L

CRQL Check Standard Source: HG_0.2_std_00102

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Hg	0.200	0.217		109	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Concentration Units: ug/L

Analyte	RL	ICB 680-180993/5 09/24/2010 14:21		CCB 680-180993/12 09/24/2010 15:10		CCB 680-180993/24 09/24/2010 16:25		CCB 680-180993/36 09/24/2010 17:29	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	100	U	100	U	100	U	100	U
Antimony	20	5.3	U	5.3	U	5.3	U	5.3	U
Arsenic	20	5.9	U	5.9	U	5.9	U	5.9	U
Barium	10	3.0	U	3.0	U	3.0	U	3.0	U
Beryllium	4.0	0.20	U	0.20	U	0.20	U	0.20	U
Cadmium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	500	200	U	200	U	200	U	200	U
Chromium	10	5.0	U	5.0	U	5.0	U	5.0	U
Cobalt	10	1.2	U	1.2	U	1.2	U	1.2	U
Copper	20	11	U	11	U	11	U	11	U
Iron	200	70	U	70	U	70	U	70	U
Lead	10	5.3	U	5.3	U	5.3	U	5.3	U
Magnesium	500	24	U	24	U	24	U	24	U
Manganese	10	3.0	U	3.0	U	3.0	U	3.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	1000	80	U	80	U	80	U	80	U
Selenium	25	10	U	10	U	10	U	10	U
Silver	10	0.96	U	0.96	U	0.96	U	0.96	U
Sodium	2000	820	U	820	U	820	U	820	U
Thallium	25	9.9	U	9.9	U	9.9	U	9.9	U
Vanadium	10	2.4	U	2.4	U	2.4	U	2.4	U
Zinc	20	12	U	12	U	12	U	12	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Concentration Units: ug/L

Analyte	RL	CCB 680-180993/110 09/25/2010 00:17		CCB 680-180993/115 09/25/2010 00:46					
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	100	U	100	U				
Antimony	20	5.3	U	5.3	U				
Arsenic	20	5.9	U	5.9	U				
Barium	10	3.0	U	3.0	U				
Beryllium	4.0	0.20	U	0.20	U				
Cadmium	5.0	1.0	U	1.0	U				
Calcium	500	200	U	200	U				
Chromium	10	5.0	U	5.0	U				
Cobalt	10	1.2	U	1.2	U				
Copper	20	11	U	11	U				
Iron	200	70	U	70	U				
Lead	10	5.3	U	5.3	U				
Magnesium	500	24	U	24	U				
Manganese	10	3.0	U	3.0	U				
Nickel	40	3.0	U	3.0	U				
Potassium	1000	80	U	80	U				
Selenium	25	10	U	10	U				
Silver	10	0.96	U	0.96	U				
Sodium	2000	820	U	820	U				
Thallium	25	9.9	U	9.9	U				
Vanadium	10	2.4	U	2.4	U				
Zinc	20	12	U	12	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Concentration Units: ug/L

Analyte	RL	ICB 680-181557/5 09/29/2010 15:07		CCB 680-181557/11 09/29/2010 15:55		CCB 680-181557/43 09/29/2010 19:06		CCB 680-181557/55 09/29/2010 20:08	
		Found	C	Found	C	Found	C	Found	C
Beryllium	4.0	0.20	U	0.20	U	0.20	U	0.20	U
Calcium	500	200	U	200	U	200	U	200	U
Magnesium	500	24	U	24	U	24	U	24	U
Manganese	10	3.0	U	3.0	U	3.0	U	3.0	U
Silver	10	0.962	J	0.96	U	1.46	J	0.96	U
Zinc	20	12	U	12	U	12	U	12	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Concentration Units: ug/L

Analyte	RL	CCB 680-181557/210 09/30/2010 11:04		CCB 680-181557/218 09/30/2010 11:53					
		Found	C	Found	C	Found	C	Found	C
Beryllium	4.0	0.20	U	0.20	U				
Calcium	500	200	U	200	U				
Magnesium	500	24	U	24	U				
Manganese	10	3.0	U	3.0	U				
Silver	10	0.96	U	0.96	U				
Zinc	20	12	U	12	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Concentration Units: ug/L

Analyte	RL	ICB 680-180994/8 09/24/2010 10:38		CCB 680-180994/113 09/24/2010 16:41		CCB 680-180994/125 09/24/2010 17:16		CCB 680-180994/135 09/24/2010 17:47	
		Found	C	Found	C	Found	C	Found	C
Hg	0.20	0.080	U	0.080	U	0.080	U	0.080	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Concentration Units: mg/Kg Lab Sample ID: MB 680-180784/15-A

Instrument Code: ICPD Batch No.: 180993

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	10	U		6010C
7440-36-0	Antimony	0.53	U		6010C
7782-49-2	Selenium	1.0	U		6010C
7440-02-0	Nickel	0.31	U		6010C
7439-92-1	Lead	0.53	U		6010C
7439-95-4	Magnesium	2.4	U		6010C
7439-89-6	Iron	7.0	U		6010C
7439-96-5	Manganese	0.30	U		6010C
7440-09-7	Potassium	8.0	U		6010C
7440-47-3	Chromium	0.50	U		6010C
7440-50-8	Copper	1.1	U		6010C
7440-39-3	Barium	0.30	U		6010C
7440-41-7	Beryllium	0.020	U		6010C
7440-22-4	Silver	0.096	U		6010C
7440-38-2	Arsenic	0.59	U		6010C
7440-43-9	Cadmium	0.10	U		6010C
7440-70-2	Calcium	20	U		6010C
7440-48-4	Cobalt	0.12	U		6010C
7440-23-5	Sodium	82	U		6010C
7440-28-0	Thallium	0.99	U		6010C
7440-62-2	Vanadium	0.24	U		6010C
7440-66-6	Zinc	1.2	U		6010C

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Concentration Units: mg/Kg Lab Sample ID: MB 680-181222/9-A

Instrument Code: ICPD Batch No.: 181557

CAS No.	Analyte	Concentration	C	Q	Method
7439-95-4	Magnesium	2.4	U		6010C
7439-96-5	Manganese	0.30	U		6010C
7440-41-7	Beryllium	0.020	U		6010C
7440-22-4	Silver	0.096	U		6010C
7440-70-2	Calcium	20	U		6010C
7440-66-6	Zinc	1.2	U		6010C

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Concentration Units: mg/Kg Lab Sample ID: MB 680-180822/1-A

Instrument Code: LEEMAN1 Batch No.: 180994

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Hg	0.0082	U		7471B

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Lab Sample ID: ICSA 680-180993/9 Instrument ID: ICPD

Lab File ID: 092410092410.chr ICS Source: P_ICSA_wk_00022

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**535814**	**107**
Antimony		**1.37**	
Arsenic		**-2.65**	
Barium		**1.29**	
Beryllium		**0.146**	
Cadmium		**2.05**	
Calcium	**500000**	**548695**	**110**
Chromium		**2.21**	
Cobalt		**0.949**	
Copper		**3.15**	
Iron	**200000**	**195993**	**98**
Lead		**-0.898**	
Magnesium	**500000**	**532472**	**106**
Manganese		**-0.911**	
Nickel		**-0.0893**	
Potassium		**34.6**	
Selenium		**-1.24**	
Silver		**-0.851**	
Sodium		**196**	
Thallium		**-0.342**	
Vanadium		**1.90**	
Zinc		**5.55**	
Boron		*14.4*	
Molybdenum		*-0.163*	
Strontium		*2.68*	
Tin		*2.07*	
Titanium		*2.00*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Lab Sample ID: ICSAB 680-180993/10 Instrument ID: ICPD

Lab File ID: 092410092410.chr ICS Source: P_ICSAB_wk_00038

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**532448**	**106**
Antimony	**600**	**619**	**103**
Arsenic	**100**	**97.5**	**97**
Barium	**500**	**546**	**109**
Beryllium	**500**	**520**	**104**
Cadmium	**1000**	**990**	**99**
Calcium	**500000**	**544788**	**109**
Chromium	**500**	**499**	**100**
Cobalt	**500**	**487**	**97**
Copper	**500**	**548**	**110**
Iron	**200000**	**195014**	**98**
Lead	**50.0**	**46.1**	**92**
Magnesium	**500000**	**528626**	**106**
Manganese	**500**	**501**	**100**
Nickel	**1000**	**968**	**97**
Potassium		**24.8**	
Selenium	**50.0**	**55.3**	**111**
Silver	**200**	**214**	**107**
Sodium		**152**	
Thallium	**100**	**105**	**105**
Vanadium	**500**	**510**	**102**
Zinc	**1000**	**989**	**99**
Boron		*14.2*	
Molybdenum	*1000*	*1004*	*100*
Strontium		*2.59*	
Tin	*1000*	*990*	*99*
Titanium		*2.02*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Lab Sample ID: ICSA 680-180993/112 Instrument ID: ICPD

Lab File ID: 092410092410.chr ICS Source: P_ICSA_wk_00022

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**543151**	**109**
Antimony		**5.54**	
Arsenic		**-3.69**	
Barium		**1.40**	
Beryllium		**0.0986**	
Cadmium		**1.90**	
Calcium	**500000**	**557753**	**112**
Chromium		**1.24**	
Cobalt		**0.457**	
Copper		**3.23**	
Iron	**200000**	**199302**	**100**
Lead		**-1.58**	
Magnesium	**500000**	**543417**	**109**
Manganese		**-0.984**	
Nickel		**0.462**	
Potassium		**10.4**	
Selenium		**7.07**	
Silver		**-0.424**	
Sodium		**77.5**	
Thallium		**0.0669**	
Vanadium		**2.15**	
Zinc		**5.85**	
Boron		*14.1*	
Molybdenum		*-0.595*	
Strontium		*2.62*	
Tin		*3.36*	
Titanium		*1.59*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Lab Sample ID: ICSAB 680-180993/113 Instrument ID: ICPD

Lab File ID: 092410092410.chr ICS Source: P_ICSAB_wk_00038

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500000**	**538115**	**108**
Antimony	**600**	**626**	**104**
Arsenic	**100**	**103**	**103**
Barium	**500**	**545**	**109**
Beryllium	**500**	**527**	**105**
Cadmium	**1000**	**1006**	**101**
Calcium	**500000**	**556097**	**111**
Chromium	**500**	**505**	**101**
Cobalt	**500**	**496**	**99**
Copper	**500**	**551**	**110**
Iron	**200000**	**198824**	**99**
Lead	**50.0**	**47.5**	**95**
Magnesium	**500000**	**542369**	**108**
Manganese	**500**	**508**	**102**
Nickel	**1000**	**986**	**99**
Potassium		**37.2**	
Selenium	**50.0**	**56.6**	**113**
Silver	**200**	**214**	**107**
Sodium		**208**	
Thallium	**100**	**102**	**102**
Vanadium	**500**	**518**	**104**
Zinc	**1000**	**1010**	**101**
Boron		*14.0*	
Molybdenum	*1000*	*1006*	*101*
Strontium		*2.60*	
Tin	*1000*	*1004*	*100*
Titanium		*1.93*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Lab Sample ID: ICSA 680-181557/8 Instrument ID: ICPD

Lab File ID: 92910.chr ICS Source: P_ICSA_wk_00022

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Beryllium		**0.0659**	
Calcium	**500000**	**534239**	**107**
Magnesium	**500000**	**541536**	**108**
Manganese		**-1.22**	
Silver		**1.17**	
Zinc		**4.59**	
Aluminum	*500000*	*541885*	*108*
Antimony		*-1.72*	
Arsenic		*-3.48*	
Barium		*1.02*	
Boron		*16.4*	
Cadmium		*2.19*	
Chromium		*1.55*	
Cobalt		*0.143*	
Copper		*0.476*	
Iron	*200000*	*201158*	*101*
Lead		*0.248*	
Molybdenum		*-1.15*	
Nickel		*0.129*	
Potassium		*9.62*	
Selenium		*-1.27*	
Sodium		*192*	
Strontium		*2.63*	
Thallium		*0.0641*	
Tin		*1.70*	
Titanium		*1.21*	
Vanadium		*4.31*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Lab Sample ID: ICSAB 680-181557/9 Instrument ID: ICPD

Lab File ID: 92910.chr ICS Source: P_ICSAB_wk_00038

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Beryllium	**500**	**522**	**104**
Calcium	**500000**	**531953**	**106**
Magnesium	**500000**	**539171**	**108**
Manganese	**500**	**507**	**101**
Silver	**200**	**215**	**107**
Zinc	**1000**	**995**	**100**
Aluminum	*500000*	*535401*	*107*
Antimony	*600*	*628*	*105*
Arsenic	*100*	*101*	*101*
Barium	*500*	*551*	*110*
Boron		*16.3*	
Cadmium	*1000*	*991*	*99*
Chromium	*500*	*504*	*101*
Cobalt	*500*	*493*	*99*
Copper	*500*	*554*	*111*
Iron	*200000*	*200066*	*100*
Lead	*50.0*	*48.2*	*96*
Molybdenum	*1000*	*1014*	*101*
Nickel	*1000*	*978*	*98*
Potassium		*-2.52*	
Selenium	*50.0*	*58.2*	*116*
Sodium		*180*	
Strontium		*2.64*	
Thallium	*100*	*112*	*112*
Tin	*1000*	*1000*	*100*
Titanium		*1.42*	
Vanadium	*500*	*517*	*103*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Lab Sample ID: ICSA 680-181557/215 Instrument ID: ICPD

Lab File ID: 92910.chr ICS Source: P_ICSA_wk_00022

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Beryllium		**0.0939**	
Calcium	**500000**	**545785**	**109**
Magnesium	**500000**	**555367**	**111**
Manganese		**-1.25**	
Silver		**0.530**	
Zinc		**5.06**	
Aluminum	*500000*	*543022*	*109*
Antimony		*4.27*	
Arsenic		*2.92*	
Barium		*1.16*	
Boron		*15.5*	
Cadmium		*1.95*	
Chromium		*1.27*	
Cobalt		*-0.0510*	
Copper		*0.630*	
Iron	*200000*	*201354*	*101*
Lead		*0.390*	
Molybdenum		*-0.627*	
Nickel		*0.127*	
Potassium		*-5.13*	
Selenium		*6.21*	
Sodium		*305*	
Strontium		*2.62*	
Thallium		*5.50*	
Tin		*0.381*	
Titanium		*1.71*	
Vanadium		*6.59*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Lab Sample ID: ICSAB 680-181557/216 Instrument ID: ICPD

Lab File ID: 92910.chr ICS Source: P_ICSAB_wk_00038

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Beryllium	**500**	**528**	**106**
Calcium	**500000**	**543057**	**109**
Magnesium	**500000**	**552280**	**110**
Manganese	**500**	**515**	**103**
Silver	**200**	**216**	**108**
Zinc	**1000**	**1025**	**102**
Aluminum	*500000*	*537539*	*108*
Antimony	*600*	*623*	*104*
Arsenic	*100*	*103*	*103*
Barium	*500*	*551*	*110*
Boron		*16.0*	
Cadmium	*1000*	*1012*	*101*
Chromium	*500*	*511*	*102*
Cobalt	*500*	*500*	*100*
Copper	*500*	*550*	*110*
Iron	*200000*	*200445*	*100*
Lead	*50.0*	*51.7*	*103*
Molybdenum	*1000*	*1020*	*102*
Nickel	*1000*	*991*	*99*
Potassium		*26.3*	
Selenium	*50.0*	*54.4*	*109*
Sodium		*471*	
Strontium		*2.62*	
Thallium	*100*	*103*	*103*
Tin	*1000*	*1017*	*102*
Titanium		*1.78*	
Vanadium	*500*	*522*	*104*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: C-B82-GTM2-SW-03 MS
Lab ID: 680-61464-9 MS
Lab Name: TestAmerica Savannah
Job No.: 680-61464-2
SDG No.: 67834
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 97.0

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	4160		3400		196	385	75-125	4	6010C
Antimony	48.4		0.58	J	49.1	97	75-125		6010C
Selenium	205		0.99	U	196	105	75-125		6010C
Nickel	55.7		2.5	J	49.1	108	75-125		6010C
Lead	55.7		3.7		49.1	106	75-125		6010C
Magnesium	1580		1300		500	58	75-125	J	6010C
Magnesium	2190		1100		491	213	75-125	J	6010C
Iron	9380		7700		98.1	1671	75-125	4	6010C
Manganese	182		140		50.0	76	75-125		6010C
Manganese	238		120		49.1	248	75-125	J	6010C
Potassium	771		350		491	85	75-125		6010C
Chromium	27.3		3.0		19.6	124	75-125		6010C
Copper	29.3		3.1		24.5	107	75-125		6010C
Barium	222		13		196	107	75-125		6010C
Beryllium	5.63		0.40		4.91	106	75-125		6010C
Beryllium	5.59		0.33	J	5.00	105	75-125		6010C
Silver	5.10		0.11	J	5.00	100	75-125		6010C
Silver	3.56		0.095	U	4.91	73	75-125	J	6010C
Arsenic	203		0.89	J	196	103	75-125		6010C
Cadmium	5.25		0.099	U	4.91	107	75-125		6010C
Calcium	1580		1200		500	69	75-125	J	6010C
Calcium	1760		1000		491	154	75-125	J	6010C
Cobalt	54.4		1.8		49.1	107	75-125		6010C
Sodium	484		81	U	491	99	75-125		6010C
Thallium	212		0.98	U	196	108	75-125		6010C
Vanadium	60.8		8.7		49.1	106	75-125		6010C
Zinc	74.8		22		49.1	108	75-125		6010C
Zinc	78.9		20		50.0	117	75-125		6010C
Hg	0.0954		0.0085	U	0.103	93	80-120		7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: C-B82-GTM2-SW-03 MSD
Lab ID: 680-61464-9 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-61464-2
SDG No.: 67834
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 97.0

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	4250		196	434	75-125	2	20	4	6010C
Antimony	48.6		49.1	98	75-125	0.6	20		6010C
Selenium	206		196	105	75-125	0.3	20		6010C
Nickel	55.8		49.1	109	75-125	0.3	20		6010C
Lead	55.5		49.1	106	75-125	0.4	20		6010C
Magnesium	1850		500	111	75-125	16	20		6010C
Magnesium	1970		491	169	75-125	10	20	J	6010C
Iron	9060		98.1	1342	75-125	4	20	4	6010C
Manganese	208		50.0	126	75-125	13	20	J	6010C
Manganese	207		49.1	184	75-125	14	20	J	6010C
Potassium	805		491	92	75-125	4	20		6010C
Chromium	25.2		19.6	113	75-125	8	20		6010C
Copper	29.8		24.5	109	75-125	2	20		6010C
Barium	225		196	108	75-125	1	20		6010C
Beryllium	7.34		4.91	141	75-125	26	20	J	6010C
Beryllium	5.59		5.00	105	75-125	0.1	20		6010C
Silver	4.98		5.00	97	75-125	2	20		6010C
Silver	3.55		4.91	72	75-125	0.2	20	J	6010C
Arsenic	205		196	104	75-125	0.9	20		6010C
Cadmium	5.29		4.91	108	75-125	0.7	20		6010C
Calcium	1610		500	75	75-125	2	20		6010C
Calcium	1690		491	140	75-125	4	20	J	6010C
Cobalt	54.7		49.1	108	75-125	0.5	20		6010C
Sodium	507		491	103	75-125	5	20		6010C
Thallium	214		196	109	75-125	1	20		6010C
Vanadium	60.4		49.1	105	75-125	0.6	20		6010C
Zinc	71.3		50.0	102	75-125	10	20		6010C
Zinc	96.5		49.1	152	75-125	25	20	J	6010C
Hg	0.0987		0.103	96	80-120	3	20		7471B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: C-B82-GTM2-SW-03 PDS Lab ID: 680-61464-9 PDS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	3540		3400		197	69	75-125	J	6010C
Antimony	46.4		0.58	J	49.3	93	75-125		6010C
Selenium	196		0.99	U	197	99	75-125		6010C
Nickel	51.1		2.5	J	49.3	99	75-125		6010C
Lead	52.0		3.7		49.3	98	75-125		6010C
Magnesium	1750		1300		503	92	75-125		6010C
Magnesium	1620		1100		493	97	75-125		6010C
Iron	7660		7700		98.6	-81	75-125	J	6010C
Manganese	163		120		49.3	94	75-125		6010C
Manganese	188		140		50.3	88	75-125		6010C
Potassium	851		350		493	101	75-125		6010C
Chromium	22.6		3.0		19.7	99	75-125		6010C
Copper	27.2		3.1		24.6	98	75-125		6010C
Barium	210		13		197	100	75-125		6010C
Beryllium	5.26		0.40		4.93	99	75-125		6010C
Beryllium	5.17		0.33	J	5.03	96	75-125		6010C
Silver	4.00		0.11	J	5.03	77	75-125		6010C
Silver	3.81		0.095	U	4.93	77	75-125		6010C
Arsenic	193		0.89	J	197	97	75-125		6010C
Cadmium	4.94		0.099	U	4.93	100	75-125		6010C
Calcium	1490		1000		493	97	75-125		6010C
Calcium	1690		1200		503	92	75-125		6010C
Cobalt	50.7		1.8		49.3	99	75-125		6010C
Sodium	475		81	U	493	96	75-125		6010C
Thallium	200		0.98	U	197	101	75-125		6010C
Vanadium	55.8		8.7		49.3	96	75-125		6010C
Zinc	70.3		22		49.3	98	75-125		6010C
Zinc	67.5		20		50.3	94	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-180784/16-A

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

Sample Matrix: Solid LCS Source: P_TEFLONCH_00007

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	200	205		102	75	125		6010C
Antimony	50.0	50.7		101	75	125		6010C
Selenium	200	210		105	75	125		6010C
Nickel	50.0	52.8		106	75	125		6010C
Lead	50.0	52.4		105	75	125		6010C
Magnesium	500	514		103	75	125		6010C
Iron	100	104		104	75	125		6010C
Manganese	50.0	53.1		106	75	125		6010C
Potassium	500	506		101	75	125		6010C
Chromium	20.0	21.4		107	75	125		6010C
Copper	25.0	26.1		104	75	125		6010C
Barium	200	214		107	75	125		6010C
Beryllium	5.00	5.24		105	75	125		6010C
Silver	5.00	3.75		75	75	125		6010C
Arsenic	200	208		104	75	125		6010C
Cadmium	5.00	5.36		107	75	125		6010C
Calcium	500	518		104	75	125		6010C
Cobalt	50.0	52.9		106	75	125		6010C
Sodium	500	481		96	75	125		6010C
Thallium	200	216		108	75	125		6010C
Vanadium	50.0	51.9		104	75	125		6010C
Zinc	50.0	53.6		107	75	125		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-181222/10-A

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

Sample Matrix: Solid LCS Source: P_TEFLONCH_00007

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Magnesium	500	518		104	75	125		6010C
Manganese	50.0	53.5		107	75	125		6010C
Beryllium	5.00	5.25		105	75	125		6010C
Silver	5.00	5.31		106	75	125		6010C
Calcium	500	518		104	75	125		6010C
Zinc	50.0	53.6		107	75	125		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-180822/2-A

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

Sample Matrix: Solid LCS Source: Hg_Int_Cal_00049

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Hg	0.250	0.231		92	80	120		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 680-61464-9

SDG No: 67834

Lab Name: TestAmerica Savannah Job No: 680-61464-2

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	3400		3510		3.1		6010C
Antimony	0.58	J	2.6	U	NC		6010C
Selenium	0.99	U	4.9	U	NC		6010C
Nickel	2.5	J	2.80	J	NC		6010C
Lead	3.7		3.44	J	NC		6010C
Magnesium	1300		1320		2.3		6010C
Magnesium	1100		1170		2.8		6010C
Iron	7700		7970		3.0		6010C
Manganese	120		120		3.1		6010C
Manganese	140		148		2.6		6010C
Potassium	350		368	J	NC		6010C
Chromium	3.0		3.25	J	NC		6010C
Copper	3.1		5.4	U	NC		6010C
Barium	13		12.9		NC		6010C
Beryllium	0.40		0.411	J	NC		6010C
Beryllium	0.33	J	0.344	J	NC		6010C
Silver	0.11	J	0.720	J	NC		6010C
Silver	0.095	U	0.47	U	NC		6010C
Arsenic	0.89	J	2.9	U	NC		6010C
Cadmium	0.099	U	0.49	U	NC		6010C
Calcium	1000		1040		3.2		6010C
Calcium	1200		1260		2.4		6010C
Cobalt	1.8		1.64	J	NC		6010C
Sodium	81	U	400	U	NC		6010C
Thallium	0.98	U	4.9	U	NC		6010C
Vanadium	8.7		9.47		NC		6010C
Zinc	22		23.0		NC		6010C
Zinc	20		20.8		NC		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-61464-2

SDG Number: 67834

Matrix: Solid Instrument ID: ICPD

Analysis Method: 6010C MDL Date: 06/02/2009 00:00

Prep Method: 3050B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		20	10
Antimony		2	0.53
Arsenic		2	0.59
Barium		1	0.3
Beryllium		0.4	0.02
Cadmium		0.5	0.1
Calcium		50	20
Chromium		1	0.5
Cobalt		1	0.12
Copper		2.5	1.1
Iron		20	7
Lead		1	0.53
Magnesium		50	2.4
Manganese		1	0.3
Nickel		4	0.31
Potassium		100	8
Selenium		2.5	1
Silver		1	0.096
Sodium		200	82
Thallium		2.5	0.99
Vanadium		1	0.24
Zinc		2	1.2

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-61464-2

SDG Number: 67834

Matrix: Solid Instrument ID: ICPD

Analysis Method: 6010C XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	100
Antimony		20	5.3
Arsenic		20	5.9
Barium		10	3
Beryllium		4	0.2
Cadmium		5	1
Calcium		500	200
Chromium		10	5
Cobalt		10	1.2
Copper		20	11
Iron		200	70
Lead		10	5.3
Magnesium		500	24
Manganese		10	3
Nickel		40	3
Potassium		1000	80
Selenium		25	10
Silver		10	0.96
Sodium		2000	820
Thallium		25	9.9
Vanadium		10	2.4
Zinc		20	12

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-61464-2

SDG Number: 67834

Matrix: Solid Instrument ID: LEEMAN1

Analysis Method: 7471B MDL Date: 06/02/2009 00:00

Prep Method: 7471B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Hg		0.02	0.0082

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-61464-2

SDG Number: 67834

Matrix: Solid Instrument ID: LEEMAN1

Analysis Method: 7471B XMDL Date: 06/01/2008 15:53

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Hg		0.2	0.08

FORM IX - IN

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Savannah Job No: 680-61464-2

SDG No.: 67834

Instrument ID: ICPD Date: 01/25/2010 13:16

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		720000	6010C
Antimony		45000	6010C
Selenium		22500	6010C
Nickel		9000	6010C
Lead		18000	6010C
Magnesium		450000	6010C
Iron		900000	6010C
Manganese		27000	6010C
Potassium		31500	6010C
Chromium		22500	6010C
Copper		45000	6010C
Barium		18000	6010C
Beryllium		9000	6010C
Silver		1800	6010C
Arsenic		18000	6010C
Cadmium		9000	6010C
Calcium		720000	6010C
Cobalt		22500	6010C
Sodium		72000	6010C
Thallium		27000	6010C
Vanadium		45000	6010C
Zinc		31500	6010C

FORM XI - IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
680-61464-6	09/23/2010 09:13	180784	1.03		100
680-61464-7	09/23/2010 09:13	180784	1.04		100
680-61464-8	09/23/2010 09:13	180784	1.11		100
680-61464-9	09/23/2010 09:13	180784	1.05		100
680-61464-9 MS	09/23/2010 09:13	180784	1.05		100
680-61464-9 MSD	09/23/2010 09:13	180784	1.05		100
680-61464-10	09/23/2010 09:13	180784	1.02		100
680-61464-11	09/23/2010 09:13	180784	1.07		100
MB 680-180784/15-A	09/23/2010 09:13	180784	1.00		100
LCS 680-180784/16-A	09/23/2010 09:15	180784	1.00		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
680-61464-9	09/28/2010 10:11	181222	1.03		100
680-61464-9 MS	09/28/2010 10:11	181222	1.03		100
680-61464-9 MSD	09/28/2010 10:11	181222	1.03		100
MB 680-181222/9-A	09/28/2010 10:11	181222	1.00		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Preparation Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-180822/1-A	09/23/2010 12:19	180822	0.50		50
LCS 680-180822/2-A	09/23/2010 12:19	180822	0.50		50
680-61464-6	09/23/2010 12:19	180822	0.52		50
680-61464-7	09/23/2010 12:19	180822	0.50		50
680-61464-8	09/23/2010 12:19	180822	0.50		50
680-61464-9	09/23/2010 12:19	180822	0.50		50
680-61464-9 MS	09/23/2010 12:19	180822	0.50		50
680-61464-9 MSD	09/23/2010 12:19	180822	0.50		50
680-61464-10	09/23/2010 12:19	180822	0.51		50
680-61464-11	09/23/2010 12:19	180822	0.52		50

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: ICPD Method: 6010C

Start Date: 09/24/2010 13:56 End Date: 09/25/2010 00:46

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
STD0 680-180993/1 IC			13:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STD1 680-180993/2 IC			13:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:01																				
ICV 680-180993/4	1		14:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 680-180993/5	1		14:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:28																				
ZZZZZZ			14:36																				
CRI 680-180993/8	1		14:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 680-180993/9	1		14:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 680-180993/10	1		14:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-180993/11	1		15:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-180993/12	1		15:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:15																				
ZZZZZZ			15:24																				
MB 680-180784/15-A	1	T	15:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 680-180784/16-A	1	T	15:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:49																				
ZZZZZZ			15:54																				
ZZZZZZ			15:59																				
ZZZZZZ			16:04																				
ZZZZZZ			16:09																				
680-61464-6	1	T	16:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-180993/23	1		16:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-180993/24	1		16:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61464-7	1	T	16:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61464-8	1	T	16:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61464-9	1	T	16:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61464-9 SD	5	T	16:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61464-9 PDS	1	T	16:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61464-9 MS	1	T	16:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61464-9 MSD	1	T	17:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61464-10	1	T	17:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
680-61464-11	1	T	17:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:17																				
CCV 680-180993/35	1		17:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-180993/36	1		17:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			17:39																				
ZZZZZZ			17:43																				
ZZZZZZ			17:50																				
CCV 680-180993/40			17:58																				
CCB 680-180993/41			18:07																				
ZZZZZZ			18:19																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: ICPD Method: 6010C

Start Date: 09/24/2010 13:56 End Date: 09/25/2010 00:46

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			18:24																				
ZZZZZZ			18:29																				
ZZZZZZ			18:34																				
ZZZZZZ			18:40																				
ZZZZZZ			18:45																				
ZZZZZZ			18:50																				
ZZZZZZ			18:55																				
ZZZZZZ			19:00																				
ZZZZZZ			19:06																				
CCV 680-180993/52			19:12																				
CCB 680-180993/53			19:17																				
ZZZZZZ			19:22																				
ZZZZZZ			19:28																				
ZZZZZZ			19:33																				
ZZZZZZ			19:38																				
ZZZZZZ			19:43																				
CCV 680-180993/59			19:48																				
CCB 680-180993/60			19:54																				
ZZZZZZ			19:59																				
ZZZZZZ			20:04																				
ZZZZZZ			20:09																				
ZZZZZZ			20:14																				
ZZZZZZ			20:20																				
ZZZZZZ			20:25																				
ZZZZZZ			20:30																				
ZZZZZZ			20:35																				
ZZZZZZ			20:40																				
ZZZZZZ			20:45																				
CCV 680-180993/71			20:51																				
CCB 680-180993/72			20:56																				
ZZZZZZ			21:01																				
ZZZZZZ			21:06																				
ZZZZZZ			21:11																				
ZZZZZZ			21:17																				
CCV 680-180993/77			21:22																				
CCB 680-180993/78			21:27																				
ZZZZZZ			21:32																				
ZZZZZZ			21:37																				
ZZZZZZ			21:43																				
ZZZZZZ			21:48																				
ZZZZZZ			21:53																				
ZZZZZZ			21:58																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: ICPD Method: 6010C

Start Date: 09/24/2010 13:56 End Date: 09/25/2010 00:46

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
ZZZZZZ			22:03																				
ZZZZZZ			22:09																				
ZZZZZZ			22:14																				
CCV 680-180993/88			22:19																				
CCB 680-180993/89			22:24																				
ZZZZZZ			22:29																				
ZZZZZZ			22:35																				
ZZZZZZ			22:40																				
ZZZZZZ			22:45																				
ZZZZZZ			22:50																				
ZZZZZZ			22:55																				
ZZZZZZ			23:00																				
ZZZZZZ			23:06																				
ZZZZZZ			23:11																				
ZZZZZZ			23:16																				
CCV 680-180993/100			23:21																				
CCB 680-180993/101			23:26																				
ZZZZZZ			23:32																				
ZZZZZZ			23:37																				
ZZZZZZ			23:42																				
ZZZZZZ			23:47																				
ZZZZZZ			23:52																				
ZZZZZZ			23:58																				
ZZZZZZ			00:03																				
CCV 680-180993/109	1		00:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-180993/110	1		00:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 680-180993/111	5		00:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 680-180993/112	1		00:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 680-180993/113	1		00:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 680-180993/114	1		00:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 680-180993/115	1		00:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: ICPD Method: 6010C

Start Date: 09/24/2010 13:56 End Date: 09/25/2010 00:46

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
STD0 680-180993/1 IC			13:56	X	X																		
STD1 680-180993/2 IC			13:57	X	X																		
ZZZZZZ			14:01																				
ICV 680-180993/4	1		14:13	X	X																		
ICB 680-180993/5	1		14:21	X	X																		
ZZZZZZ			14:28																				
ZZZZZZ			14:36																				
CRI 680-180993/8	1		14:44	X	X																		
ICSA 680-180993/9	1		14:48	X	X																		
ICSAB 680-180993/10	1		14:55	X	X																		
CCV 680-180993/11	1		15:00	X	X																		
CCB 680-180993/12	1		15:10	X	X																		
ZZZZZZ			15:15																				
ZZZZZZ			15:24																				
MB 680-180784/15-A	1	T	15:38	X	X																		
LCS 680-180784/16-A	1	T	15:44	X	X																		
ZZZZZZ			15:49																				
ZZZZZZ			15:54																				
ZZZZZZ			15:59																				
ZZZZZZ			16:04																				
ZZZZZZ			16:09																				
680-61464-6	1	T	16:15	X	X																		
CCV 680-180993/23	1		16:20	X	X																		
CCB 680-180993/24	1		16:25	X	X																		
680-61464-7	1	T	16:30	X	X																		
680-61464-8	1	T	16:35	X	X																		
680-61464-9	1	T	16:41	X	X																		
680-61464-9 SD	5	T	16:46	X	X																		
680-61464-9 PDS	1	T	16:51	X	X																		
680-61464-9 MS	1	T	16:56	X	X																		
680-61464-9 MSD	1	T	17:01	X	X																		
680-61464-10	1	T	17:07	X	X																		
680-61464-11	1	T	17:12	X	X																		
ZZZZZZ			17:17																				
CCV 680-180993/35	1		17:22	X	X																		
CCB 680-180993/36	1		17:29	X	X																		
ZZZZZZ			17:39																				
ZZZZZZ			17:43																				
ZZZZZZ			17:50																				
CCV 680-180993/40			17:58																				
CCB 680-180993/41			18:07																				
ZZZZZZ			18:19																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: ICPD Method: 6010C

Start Date: 09/24/2010 13:56 End Date: 09/25/2010 00:46

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			18:24																				
ZZZZZZ			18:29																				
ZZZZZZ			18:34																				
ZZZZZZ			18:40																				
ZZZZZZ			18:45																				
ZZZZZZ			18:50																				
ZZZZZZ			18:55																				
ZZZZZZ			19:00																				
ZZZZZZ			19:06																				
CCV 680-180993/52			19:12																				
CCB 680-180993/53			19:17																				
ZZZZZZ			19:22																				
ZZZZZZ			19:28																				
ZZZZZZ			19:33																				
ZZZZZZ			19:38																				
ZZZZZZ			19:43																				
CCV 680-180993/59			19:48																				
CCB 680-180993/60			19:54																				
ZZZZZZ			19:59																				
ZZZZZZ			20:04																				
ZZZZZZ			20:09																				
ZZZZZZ			20:14																				
ZZZZZZ			20:20																				
ZZZZZZ			20:25																				
ZZZZZZ			20:30																				
ZZZZZZ			20:35																				
ZZZZZZ			20:40																				
ZZZZZZ			20:45																				
CCV 680-180993/71			20:51																				
CCB 680-180993/72			20:56																				
ZZZZZZ			21:01																				
ZZZZZZ			21:06																				
ZZZZZZ			21:11																				
ZZZZZZ			21:17																				
CCV 680-180993/77			21:22																				
CCB 680-180993/78			21:27																				
ZZZZZZ			21:32																				
ZZZZZZ			21:37																				
ZZZZZZ			21:43																				
ZZZZZZ			21:48																				
ZZZZZZ			21:53																				
ZZZZZZ			21:58																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: ICPD Method: 6010C

Start Date: 09/24/2010 13:56 End Date: 09/25/2010 00:46

Lab Sample ID	D/F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			22:03																				
ZZZZZZ			22:09																				
ZZZZZZ			22:14																				
CCV 680-180993/88			22:19																				
CCB 680-180993/89			22:24																				
ZZZZZZ			22:29																				
ZZZZZZ			22:35																				
ZZZZZZ			22:40																				
ZZZZZZ			22:45																				
ZZZZZZ			22:50																				
ZZZZZZ			22:55																				
ZZZZZZ			23:00																				
ZZZZZZ			23:06																				
ZZZZZZ			23:11																				
ZZZZZZ			23:16																				
CCV 680-180993/100			23:21																				
CCB 680-180993/101			23:26																				
ZZZZZZ			23:32																				
ZZZZZZ			23:37																				
ZZZZZZ			23:42																				
ZZZZZZ			23:47																				
ZZZZZZ			23:52																				
ZZZZZZ			23:58																				
ZZZZZZ			00:03																				
CCV 680-180993/109	1		00:11	X	X																		
CCB 680-180993/110	1		00:17	X	X																		
CRI 680-180993/111	5		00:23	X	X																		
ICSA 680-180993/112	1		00:28	X	X																		
ICSAB 680-180993/113	1		00:33	X	X																		
CCV 680-180993/114	1		00:40	X	X																		
CCB 680-180993/115	1		00:46	X	X																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: ICPD Method: 6010C

Start Date: 09/29/2010 14:42 End Date: 09/30/2010 11:53

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Be	Ca	Mg	Mn	Zn														
STD0 680-181557/1 IC			14:42	X	X	X	X	X	X														
STD1 680-181557/2 IC			14:43	X	X	X	X	X	X														
ZZZZZZ			14:47																				
ICV 680-181557/4	1		15:00	X	X	X	X	X	X														
ICB 680-181557/5	1		15:07	X	X	X	X	X	X														
ZZZZZZ			15:15																				
CRI 680-181557/7	1		15:20	X	X	X	X	X	X														
ICSA 680-181557/8	1		15:26	X	X	X	X	X	X														
ICSAB 680-181557/9	1		15:32	X	X	X	X	X	X														
CCV 680-181557/10	1		15:47	X	X	X	X	X	X														
CCB 680-181557/11	1		15:55	X	X	X	X	X	X														
ZZZZZZ			16:08																				
ZZZZZZ			16:13																				
ZZZZZZ			16:18																				
ZZZZZZ			16:22																				
ZZZZZZ			16:26																				
ZZZZZZ			16:31																				
ZZZZZZ			16:35																				
ZZZZZZ			16:40																				
ZZZZZZ			16:44																				
ZZZZZZ			16:48																				
CCV 680-181557/22			16:54																				
CCB 680-181557/23			17:02																				
ZZZZZZ			17:06																				
ZZZZZZ			17:11																				
ZZZZZZ			17:15																				
ZZZZZZ			17:20																				
ZZZZZZ			17:26																				
ZZZZZZ			17:31																				
CCV 680-181557/30			17:58																				
CCB 680-181557/31			18:04																				
ZZZZZZ			18:09																				
ZZZZZZ			18:14																				
ZZZZZZ			18:19																				
ZZZZZZ			18:24																				
ZZZZZZ			18:29																				
ZZZZZZ			18:35																				
ZZZZZZ			18:40																				
ZZZZZZ			18:45																				
ZZZZZZ			18:50																				
ZZZZZZ			18:55																				
CCV 680-181557/42	1		19:01	X	X	X	X	X	X														

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: ICPD Method: 6010C

Start Date: 09/29/2010 14:42 End Date: 09/30/2010 11:53

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Be	Ca	Mg	Mn	Zn														
CCB 680-181557/43	1		19:06	X	X	X	X	X	X														
MB 680-181222/9-A	1	T	19:11	X	X	X	X	X	X														
ZZZZZZ			19:16																				
ZZZZZZ			19:21																				
ZZZZZZ			19:27																				
680-61464-9	1	T	19:32	X	X	X	X	X	X														
680-61464-9 SD	5	T	19:37	X	X	X	X	X	X														
680-61464-9 PDS	1	T	19:42	X	X	X	X	X	X														
680-61464-9 MS	1	T	19:47	X	X	X	X	X	X														
680-61464-9 MSD	1	T	19:52	X	X	X	X	X	X														
ZZZZZZ			19:58																				
CCV 680-181557/54	1		20:03	X	X	X	X	X	X														
CCB 680-181557/55	1		20:08	X	X	X	X	X	X														
ZZZZZZ			20:13																				
ZZZZZZ			20:18																				
ZZZZZZ			20:24																				
ZZZZZZ			20:29																				
ZZZZZZ			20:35																				
ZZZZZZ			20:41																				
ZZZZZZ			20:46																				
ZZZZZZ			20:51																				
CCV 680-181557/64			20:56																				
CCB 680-181557/65			21:01																				
ZZZZZZ			21:06																				
ZZZZZZ			21:12																				
ZZZZZZ			21:17																				
ZZZZZZ			21:22																				
ZZZZZZ			21:27																				
ZZZZZZ			21:32																				
ZZZZZZ			21:38																				
ZZZZZZ			21:43																				
CCV 680-181557/74			21:48																				
CCB 680-181557/75			21:53																				
ZZZZZZ			21:58																				
ZZZZZZ			22:04																				
ZZZZZZ			22:09																				
ZZZZZZ			22:14																				
ZZZZZZ			22:19																				
ZZZZZZ			22:24																				
ZZZZZZ			22:29																				
CCV 680-181557/83			22:35																				
CCB 680-181557/84			22:40																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: ICPD Method: 6010C

Start Date: 09/29/2010 14:42 End Date: 09/30/2010 11:53

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Be	Ca	Mg	Mn	Zn														
ZZZZZZ			22:45																				
ZZZZZZ			22:50																				
ZZZZZZ			22:55																				
ZZZZZZ			23:01																				
ZZZZZZ			23:06																				
ZZZZZZ			23:11																				
ZZZZZZ			23:16																				
ZZZZZZ			23:21																				
ZZZZZZ			23:27																				
ZZZZZZ			23:32																				
CCV 680-181557/95			23:37																				
CCB 680-181557/96			23:42																				
ZZZZZZ			23:47																				
ZZZZZZ			23:53																				
ZZZZZZ			23:58																				
ZZZZZZ			00:03																				
ZZZZZZ			00:08																				
ZZZZZZ			00:13																				
ZZZZZZ			00:19																				
ZZZZZZ			00:24																				
ZZZZZZ			00:29																				
ZZZZZZ			00:34																				
CCV 680-181557/107			00:39																				
CCB 680-181557/108			00:45																				
ZZZZZZ			00:50																				
ZZZZZZ			00:55																				
ZZZZZZ			01:00																				
ZZZZZZ			01:05																				
ZZZZZZ			01:10																				
ZZZZZZ			01:16																				
ZZZZZZ			01:21																				
ZZZZZZ			01:26																				
CCV 680-181557/117			01:31																				
CCB 680-181557/118			01:36																				
ZZZZZZ			01:42																				
ZZZZZZ			01:47																				
ZZZZZZ			01:52																				
ZZZZZZ			01:57																				
ZZZZZZ			02:02																				
ZZZZZZ			02:08																				
ZZZZZZ			02:13																				
ZZZZZZ			02:18																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: ICPD Method: 6010C

Start Date: 09/29/2010 14:42 End Date: 09/30/2010 11:53

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Be	Ca	Mg	Mn	Zn														
ZZZZZZ			02:23																				
ZZZZZZ			02:28																				
CCV 680-181557/129			02:34																				
CCB 680-181557/130			02:39																				
ZZZZZZ			02:44																				
ZZZZZZ			02:49																				
ZZZZZZ			02:55																				
ZZZZZZ			03:00																				
ZZZZZZ			03:05																				
ZZZZZZ			03:10																				
ZZZZZZ			03:15																				
ZZZZZZ			03:21																				
ZZZZZZ			03:26																				
ZZZZZZ			03:31																				
CCV 680-181557/141			03:36																				
CCB 680-181557/142			03:41																				
ZZZZZZ			03:47																				
ZZZZZZ			03:52																				
ZZZZZZ			03:57																				
ZZZZZZ			04:02																				
ZZZZZZ			04:07																				
ZZZZZZ			04:13																				
ZZZZZZ			04:18																				
ZZZZZZ			04:23																				
CCV 680-181557/151			04:28																				
CCB 680-181557/152			04:33																				
ZZZZZZ			04:39																				
ZZZZZZ			04:44																				
ZZZZZZ			04:49																				
ZZZZZZ			04:54																				
ZZZZZZ			04:59																				
ZZZZZZ			05:05																				
ZZZZZZ			05:10																				
ZZZZZZ			05:15																				
ZZZZZZ			05:20																				
ZZZZZZ			05:26																				
CCV 680-181557/163			05:31																				
CCB 680-181557/164			05:36																				
ZZZZZZ			05:41																				
ZZZZZZ			05:46																				
ZZZZZZ			05:52																				
ZZZZZZ			05:57																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: ICPD Method: 6010C

Start Date: 09/29/2010 14:42 End Date: 09/30/2010 11:53

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Be	Ca	Mg	Mn	Zn														
ZZZZZZ			06:02																				
ZZZZZZ			06:07																				
ZZZZZZ			06:12																				
ZZZZZZ			06:18																				
ZZZZZZ			06:23																				
ZZZZZZ			06:28																				
CCV 680-181557/175			06:33																				
CCB 680-181557/176			06:39																				
ZZZZZZ			06:44																				
ZZZZZZ			06:49																				
ZZZZZZ			06:54																				
CCV 680-181557/180			06:59																				
CCB 680-181557/181			07:05																				
ZZZZZZ			07:10																				
ZZZZZZ			07:15																				
ZZZZZZ			07:20																				
ZZZZZZ			07:25																				
ZZZZZZ			07:31																				
ZZZZZZ			07:36																				
ZZZZZZ			07:41																				
ZZZZZZ			07:46																				
CCV 680-181557/190			07:52																				
CCB 680-181557/191			07:57																				
ZZZZZZ			08:02																				
ZZZZZZ			08:07																				
ZZZZZZ			08:13																				
ZZZZZZ			08:18																				
ZZZZZZ			08:23																				
CCV 680-181557/197			08:28																				
CCB 680-181557/198			08:33																				
CCV 680-181557/199			09:56																				
CCB 680-181557/200			10:03																				
ZZZZZZ			10:09																				
ZZZZZZ			10:15																				
ZZZZZZ			10:19																				
ZZZZZZ			10:25																				
ZZZZZZ			10:31																				
ZZZZZZ			10:36																				
ZZZZZZ			10:42																				
ZZZZZZ			10:47																				
CCV 680-181557/209	1		10:52	X	X	X	X	X	X														
CCB 680-181557/210	1		11:04	X	X	X	X	X	X														

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: ICPD Method: 6010C

Start Date: 09/29/2010 14:42 End Date: 09/30/2010 11:53

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Be	Ca	Mg	Mn	Zn														
ZZZZZZ			11:10																				
ZZZZZZ			11:15																				
ZZZZZZ			11:23																				
CRI 680-181557/214	1		11:28	X	X	X	X	X	X														
ICSA 680-181557/215	1		11:33	X	X	X	X	X	X														
ICSAB 680-181557/216	1		11:43	X	X	X	X	X	X														
CCV 680-181557/217	1		11:48	X	X	X	X	X	X														
CCB 680-181557/218	1		11:53	X	X	X	X	X	X														

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 09/24/2010 10:18 End Date: 09/24/2010 18:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD01REP1 680-180994/1 IC			10:18	X																			
STD02REP1 680-180994/2 IC			10:20	X																			
STD03REP1 680-180994/3 IC			10:23	X																			
STD04REP1 680-180994/4 IC			10:26	X																			
STD05REP1 680-180994/5 IC			10:29	X																			
STD06REP1 680-180994/6 IC			10:32	X																			
ICV 680-180994/7			10:35																				
ICB 680-180994/8			10:38																				
CCV 680-180994/9			10:44																				
CCB 680-180994/10			10:48																				
CRA 680-180994/11			10:51																				
ZZZZZZ			10:54																				
ZZZZZZ			10:57																				
ZZZZZZ			11:01																				
ZZZZZZ			11:04																				
ZZZZZZ			11:07																				
ZZZZZZ			11:10																				
ZZZZZZ			11:13																				
ZZZZZZ			11:15																				
ZZZZZZ			11:18																				
CCV 680-180994/21			11:21																				
CCB 680-180994/22			11:24																				
ZZZZZZ			11:27																				
ZZZZZZ			11:31																				
ZZZZZZ			11:34																				
ZZZZZZ			11:37																				
ZZZZZZ			11:39																				
ZZZZZZ			11:42																				
ZZZZZZ			11:45																				
ZZZZZZ			11:48																				
ZZZZZZ			11:52																				
ZZZZZZ			11:54																				
CCV 680-180994/33			11:58																				
CCB 680-180994/34			12:02																				
ZZZZZZ			12:05																				
ZZZZZZ			12:08																				
ZZZZZZ			12:11																				
ZZZZZZ			12:14																				
ZZZZZZ			12:16																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 09/24/2010 10:18 End Date: 09/24/2010 18:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			12:19																				
ZZZZZZ			12:22																				
ZZZZZZ			12:25																				
ZZZZZZ			12:29																				
ZZZZZZ			12:33																				
CCV 680-180994/45			12:36																				
CCB 680-180994/46			12:40																				
ZZZZZZ			12:42																				
ZZZZZZ			12:45																				
ZZZZZZ			12:48																				
ZZZZZZ			12:51																				
ZZZZZZ			12:55																				
ZZZZZZ			12:58																				
ZZZZZZ			13:00																				
ZZZZZZ			13:04																				
CCV 680-180994/55			13:08																				
CCB 680-180994/56			13:11																				
ZZZZZZ			13:14																				
ZZZZZZ			13:17																				
ZZZZZZ			13:20																				
ZZZZZZ			13:23																				
ZZZZZZ			13:26																				
ZZZZZZ			13:29																				
ZZZZZZ			13:33																				
ZZZZZZ			13:36																				
ZZZZZZ			13:39																				
ZZZZZZ			13:42																				
CCV 680-180994/67			13:45																				
CCB 680-180994/68			13:48																				
ZZZZZZ			13:51																				
ZZZZZZ			13:54																				
ZZZZZZ			13:57																				
ZZZZZZ			14:00																				
ZZZZZZ			14:03																				
ZZZZZZ			14:06																				
ZZZZZZ			14:09																				
ZZZZZZ			14:12																				
ZZZZZZ			14:15																				
ZZZZZZ			14:18																				
CCV 680-180994/79			14:21																				
CCB 680-180994/80			14:24																				
ZZZZZZ			14:27																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 09/24/2010 10:18 End Date: 09/24/2010 18:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			14:30																				
ZZZZZZ			14:33																				
ZZZZZZ			14:36																				
ZZZZZZ			14:39																				
ZZZZZZ			14:42																				
ZZZZZZ			14:45																				
ZZZZZZ			14:47																				
ZZZZZZ			14:50																				
ZZZZZZ			14:54																				
CCV 680-180994/91			14:56																				
CCB 680-180994/92			14:59																				
ZZZZZZ			15:02																				
ZZZZZZ			15:05																				
ZZZZZZ			15:08																				
ZZZZZZ			15:11																				
ZZZZZZ			15:14																				
ZZZZZZ			15:17																				
ZZZZZZ			15:20																				
ZZZZZZ			15:23																				
ZZZZZZ			15:25																				
ZZZZZZ			15:28																				
CCV 680-180994/103			15:31																				
CCB 680-180994/104			15:34																				
ZZZZZZ			15:37																				
ZZZZZZ			15:40																				
ZZZZZZ			15:43																				
ZZZZZZ			15:46																				
ZZZZZZ			15:49																				
CCV 680-180994/110			15:52																				
CCB 680-180994/111			15:55																				
CCV 680-180994/112			16:38																				
CCB 680-180994/113			16:41																				
ZZZZZZ			16:44																				
ZZZZZZ			16:47																				
MB 680-180822/1-A	1	T	16:49	X																			
LCS 680-180822/2-A	1	T	16:52	X																			
ZZZZZZ			16:56																				
ZZZZZZ			16:58																				
ZZZZZZ			17:01																				
ZZZZZZ			17:04																				
ZZZZZZ			17:08																				
680-61464-6	1	T	17:11	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 09/24/2010 10:18 End Date: 09/24/2010 18:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
CCV 680-180994/124			17:13																				
CCB 680-180994/125			17:16																				
680-61464-7	1	T	17:19	X																			
680-61464-8	1	T	17:22	X																			
680-61464-9	1	T	17:25	X																			
680-61464-9 MS	1	T	17:29	X																			
680-61464-9 MSD	1	T	17:32	X																			
680-61464-10	1	T	17:35	X																			
680-61464-11	1	T	17:38	X																			
ZZZZZZ			17:41																				
CCV 680-180994/134			17:45																				
CCB 680-180994/135			17:47																				
ZZZZZZ			17:51																				
ZZZZZZ			17:54																				
ZZZZZZ			17:57																				
ZZZZZZ			18:00																				
ZZZZZZ			18:03																				
ZZZZZZ			18:05																				
ZZZZZZ			18:08																				
CCV 680-180994/143			18:12																				
CCB 680-180994/144			18:15																				

Prep Types
T = Total/NA

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	HIGH STD 00034	D092410	2PTTR2	09/24/10	14:01	BCB	S	CONC
2	ICVP 00190	D092410	2PTTR2	09/24/10	14:13	BCB	S	CONC
3	ICB	D092410	2PTTR2	09/24/10	14:21	BCB	S	CONC
4	RL ICP 00045	D092410	2PTTR2	09/24/10	14:28	BCB	S	CONC
5	RL ICP 00045	D092410	2PTTR2	09/24/10	14:36	BCB	S	CONC
6	RL ICP 00045	D092410	2PTTR2	09/24/10	14:44	BCB	S	CONC
7	ICSA61 00022	D092410	2PTTR2	09/24/10	14:48	BCB	S	CONC
8	ICSAB61 00038	D092410	2PTTR2	09/24/10	14:55	BCB	S	CONC
9	CCVP 00072	D092410	2PTTR2	09/24/10	15:00	BCB	S	CONC
10	CCB	D092410	2PTTR2	09/24/10	15:10	BCB	S	CONC
11	VOA WATER	D092410	2PTTR2	09/24/10	15:15	BCB	S	CONC
12	SHIPPING	D092410	2PTTR2	09/24/10	15:24	BCB	S	CONC
13	PBW 180784	D092410	2PTTR2	09/24/10	15:38	BCB	S	CONC
14	LCSS-1	D092410	2PTTR2	09/24/10	15:44	BCB	S	CONC
15	61464-1	D092410	2PTTR2	09/24/10	15:49	BCB	S	CONC
16	61464-2	D092410	2PTTR2	09/24/10	15:54	BCB	S	CONC
17	61464-3	D092410	2PTTR2	09/24/10	15:59	BCB	S	CONC
18	61464-4	D092410	2PTTR2	09/24/10	16:04	BCB	S	CONC
19	61464-5	D092410	2PTTR2	09/24/10	16:09	BCB	S	CONC
20	61464-6	D092410	2PTTR2	09/24/10	16:15	BCB	S	CONC
21	CCV	D092410	2PTTR2	09/24/10	16:20	BCB	S	CONC
22	CCB	D092410	2PTTR2	09/24/10	16:25	BCB	S	CONC
23	61464-7	D092410	2PTTR2	09/24/10	16:30	BCB	S	CONC
24	61464-8	D092410	2PTTR2	09/24/10	16:35	BCB	S	CONC
25	61464-9	D092410	2PTTR2	09/24/10	16:41	BCB	S	CONC
26	61464-9L	D092410	2PTTR2	09/24/10	16:46	BCB	S	CONC
27	61464-9A	D092410	2PTTR2	09/24/10	16:51	BCB	S	CONC
28	61464-9S	D092410	2PTTR2	09/24/10	16:56	BCB	S	CONC
29	61464-9SD	D092410	2PTTR2	09/24/10	17:01	BCB	S	CONC
30	61464-10	D092410	2PTTR2	09/24/10	17:07	BCB	S	CONC
31	61464-11	D092410	2PTTR2	09/24/10	17:12	BCB	S	CONC
32	61449-4	D092410	2PTTR2	09/24/10	17:17	BCB	S	CONC
33	CCV	D092410	2PTTR2	09/24/10	17:22	BCB	S	CONC
34	CCB	D092410	2PTTR2	09/24/10	17:29	BCB	S	CONC
35	RL ICP	D092410	2PTTR2	09/24/10	17:39	BCB	S	CONC
36	ICSA61	D092410	2PTTR2	09/24/10	17:43	BCB	S	CONC
37	ICSAB61	D092410	2PTTR2	09/24/10	17:50	BCB	S	CONC
38	CCV	D092410	2PTTR2	09/24/10	17:58	BCB	S	CONC
39	CCB	D092410	2PTTR2	09/24/10	18:07	BCB	S	CONC
40	PBW 180580	D092410	2PTTR2	09/24/10	18:19	BCB	S	CONC
41	LCSW-1	D092410	2PTTR2	09/24/10	18:24	BCB	S	CONC
42	LCSW-1 (RL)	D092410	2PTTR2	09/24/10	18:29	BCB	S	CONC
43	61229-1	D092410	2PTTR2	09/24/10	18:34	BCB	S	CONC
44	61229-3	D092410	2PTTR2	09/24/10	18:40	BCB	S	CONC
45	61229-3 1/5	D092410	2PTTR2	09/24/10	18:45	BCB	S	CONC
46	61333-1	D092410	2PTTR2	09/24/10	18:50	BCB	S	CONC
47	61333-1S	D092410	2PTTR2	09/24/10	18:55	BCB	S	CONC
48	61333-1SD	D092410	2PTTR2	09/24/10	19:00	BCB	S	CONC
49	61333-2	D092410	2PTTR2	09/24/10	19:06	BCB	S	CONC
50	CCV	D092410	2PTTR2	09/24/10	19:12	BCB	S	CONC
51	CCB	D092410	2PTTR2	09/24/10	19:17	BCB	S	CONC
52	61333-1 1/5	D092410	2PTTR2	09/24/10	19:22	BCB	S	CONC
53	61333-1S 1/5	D092410	2PTTR2	09/24/10	19:28	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	61333-1SD 1/5	D092410	2PTTR2	09/24/10	19:33	BCB	S	CONC
55	61333-2 1/5	D092410	2PTTR2	09/24/10	19:38	BCB	S	CONC
56	61367-17 1/5	D092410	2PTTR2	09/24/10	19:43	BCB	S	CONC
57	CCV	D092410	2PTTR2	09/24/10	19:48	BCB	S	CONC
58	CCB	D092410	2PTTR2	09/24/10	19:54	BCB	S	CONC
59	PBW 180656	D092410	2PTTR2	09/24/10	19:59	BCB	S	CONC
60	LCSW-1	D092410	2PTTR2	09/24/10	20:04	BCB	S	CONC
61	61408-1 1/10	D092410	2PTTR2	09/24/10	20:09	BCB	S	CONC
62	61408-3 1/10	D092410	2PTTR2	09/24/10	20:14	BCB	S	CONC
63	61408-5 1/10	D092410	2PTTR2	09/24/10	20:20	BCB	S	CONC
64	61408-7 1/10	D092410	2PTTR2	09/24/10	20:25	BCB	S	CONC
65	61408-9	D092410	2PTTR2	09/24/10	20:30	BCB	S	CONC
66	61241-19	D092410	2PTTR2	09/24/10	20:35	BCB	S	CONC
67	61241-19 1/10	D092410	2PTTR2	09/24/10	20:40	BCB	S	CONC
68	61417-1	D092410	2PTTR2	09/24/10	20:45	BCB	S	CONC
69	CCV	D092410	2PTTR2	09/24/10	20:51	BCB	S	CONC
70	CCB	D092410	2PTTR2	09/24/10	20:56	BCB	S	CONC
71	61417-1L	D092410	2PTTR2	09/24/10	21:01	BCB	S	CONC
72	61417-1A	D092410	2PTTR2	09/24/10	21:06	BCB	S	CONC
73	61417-1S	D092410	2PTTR2	09/24/10	21:11	BCB	S	CONC
74	61417-1SD	D092410	2PTTR2	09/24/10	21:17	BCB	S	CONC
75	CCV	D092410	2PTTR2	09/24/10	21:22	BCB	S	CONC
76	CCB	D092410	2PTTR2	09/24/10	21:27	BCB	S	CONC
77	PBW (180683) 180953	D092410	2PTTR2	09/24/10	21:32	BCB	S	CONC
78	PBW (180770)	D092410	2PTTR2	09/24/10	21:37	BCB	S	CONC
79	PBW (180631)	D092410	2PTTR2	09/24/10	21:43	BCB	S	CONC
80	PBW (180509)	D092410	2PTTR2	09/24/10	21:48	BCB	S	CONC
81	LCSW-1	D092410	2PTTR2	09/24/10	21:53	BCB	S	CONC
82	LCSW-2	D092410	2PTTR2	09/24/10	21:58	BCB	S	CONC
83	61418-1	D092410	2PTTR2	09/24/10	22:03	BCB	S	CONC
84	61419-8	D092410	2PTTR2	09/24/10	22:09	BCB	S	CONC
85	61419-8L	D092410	2PTTR2	09/24/10	22:14	BCB	S	CONC
86	CCV	D092410	2PTTR2	09/24/10	22:19	BCB	S	CONC
87	CCB	D092410	2PTTR2	09/24/10	22:24	BCB	S	CONC
88	61419-8A	D092410	2PTTR2	09/24/10	22:29	BCB	S	CONC
89	61419-9	D092410	2PTTR2	09/24/10	22:35	BCB	S	CONC
90	60742-3	D092410	2PTTR2	09/24/10	22:40	BCB	S	CONC
91	60742-3S	D092410	2PTTR2	09/24/10	22:45	BCB	S	CONC
92	60742-3SD	D092410	2PTTR2	09/24/10	22:50	BCB	S	CONC
93	60742-2	D092410	2PTTR2	09/24/10	22:55	BCB	S	CONC
94	61239-16	D092410	2PTTR2	09/24/10	23:00	BCB	S	CONC
95	61241-27	D092410	2PTTR2	09/24/10	23:06	BCB	S	CONC
96	61312-1	D092410	2PTTR2	09/24/10	23:11	BCB	S	CONC
97	61312-2	D092410	2PTTR2	09/24/10	23:16	BCB	S	CONC
98	CCV	D092410	2PTTR2	09/24/10	23:21	BCB	S	CONC
99	CCB	D092410	2PTTR2	09/24/10	23:26	BCB	S	CONC
100	61312-3	D092410	2PTTR2	09/24/10	23:32	BCB	S	CONC
101	61312-4	D092410	2PTTR2	09/24/10	23:37	BCB	S	CONC
102	61312-5	D092410	2PTTR2	09/24/10	23:42	BCB	S	CONC
103	61312-6	D092410	2PTTR2	09/24/10	23:47	BCB	S	CONC
104	61312-7	D092410	2PTTR2	09/24/10	23:52	BCB	S	CONC
105	61260-1	D092410	2PTTR2	09/24/10	23:58	BCB	S	CONC
106	61312-8	D092410	2PTTR2	09/25/10	00:03	BCB	S	CONC
107	CCV	D092410	2PTTR2	09/25/10	00:11	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	CCB	D092410	2PTTR2	09/25/10	00:17	BCB	S	CONC
109	RL	D092410	2PTTR2	09/25/10	00:23	BCB	S	CONC
110	ICSA	D092410	2PTTR2	09/25/10	00:28	BCB	S	CONC
111	ICSAB	D092410	2PTTR2	09/25/10	00:33	BCB	S	CONC
112	CCV	D092410	2PTTR2	09/25/10	00:40	BCB	S	CONC
113	CCB	D092410	2PTTR2	09/25/10	00:46	BCB	S	CONC

#	Sample Name	Ag	Al	2Al	As	B	Ba
1	HIGH STD 00034	996.36	9943.2	9.9427	1002.5	9997.5	9981.0
2	ICVP 00190	970.11	988.76	.98879	1013.3	1000.0	1002.6
3	ICB	-1.2021	.69750	.00069	-1.3605	3.7438	-.09031
4	RL ICP 00045	9.2907	209.93	.20994	20.233	104.61	10.257
5	RL ICP 00045	9.7838	212.92	.21292	17.754	102.96	10.135
6	RL ICP 00045	10.472	217.90	.21791	18.673	104.46	10.249
7	ICSA61 00022	-.85114	535810.	535.83	-2.6504	14.434	1.2938
8	ICSAB61 00038	213.53	532450.	532.45	97.457	14.175	546.20
9	CCVP 00072	494.09	4943.5	4.9435	501.12	4994.7	5008.7
10	CCB	-.80533	12.477	.01247	-1.0541	3.9158	.21669
11	VOA WATER	-.31094	11.100	.01110	2.2248	27.022	9.8921
12	SHIPPING	-.27200	10.473	.01047	-1.0326	1.0361	.13142
13	PBW 180784	-.78216	19.139	.01914	-2.7184	-.06893	.04135
14	LCSS-1	37.531	2046.4	2.0463	2083.8	1037.5	2139.5
15	61464-1	-.72333	40597.	40.596	10.837	15.824	154.68
16	61464-2	-.66396	31671.	31.671	.13687	6.1527	85.470
17	61464-3	-.62434	41789.	41.788	8.7814	8.4079	123.44
18	61464-4	-1.1303	39489.	39.489	7.7209	8.0491	110.37
19	61464-5	-1.1893	25699.	25.698	4.6810	8.0780	95.326
20	61464-6	-1.6926	54303.	54.304	10.308	11.168	143.91
21	CCV	497.11	4966.2	4.9662	505.83	5052.9	5050.4
22	CCB	-.66090	17.605	.01760	.85890	8.4988	1.0711
23	61464-7	-.48318	48579.	48.581	12.411	12.304	214.59
24	61464-8	-2.0070	49271.	49.270	15.377	12.056	192.60
25	61464-9	-1.5126	34520.	34.519	8.9787	8.1041	126.97
26	61464-9L	-.51730	7119.5	7.1196	.06729	2.8818	26.105
27	61464-9A	38.657	35909.	35.908	1955.0	1006.2	2134.3
28	61464-9S	36.273	42376.	42.375	2069.8	1050.5	2259.0
29	61464-9SD	36.187	43348.	43.350	2088.0	1060.2	2291.1
30	61464-10	-.72619	48277.	48.276	14.495	13.721	156.41
31	61464-11	-1.2093	25618.	25.616	1.8113	6.1925	96.237
32	61449-4	1.7988	42483.	42.482	27.605	175.95	1180.9
33	CCV	495.89	4960.7	4.9603	517.26	5109.5	5007.0
34	CCB	-.08517	24.524	.02452	-2.2956	6.7680	.23289
35	RL ICP	9.4510	229.72	.22973	18.876	108.00	10.160
36	ICSA61	-.10490	524190.	524.19	-3.6434	15.594	1.0716
37	ICSAB61	210.31	525270.	525.28	108.67	16.268	539.10
38	CCV	492.44	4892.3	4.8922	515.26	5102.2	4957.8
39	CCB	.50038	21.633	.02163	-.65171	9.9373	.11491
40	PBW 180580	-.88664	38.592	.03859	-.02626	2.1900	-.03107
41	LCSW-1	32.112	1963.3	1.9632	2044.4	1040.2	1976.8
42	LCSW-1 (RL)	9.3334	231.41	.23141	21.611	108.95	10.737
43	61229-1	-1.0302	23.596	.02359	15.268	41.614	83.680
44	61229-3	-.28156	26.461	.02646	1.0699	84.162	41.202
45	61229-3 1/5	-.20266	23.098	.02309	-1.8850	18.291	8.4156
46	61333-1	-.02881	18.755	.01875	-3.5335	92.652	25.496
47	61333-1S	19.740	2039.3	2.0393	2143.5	1179.2	2059.7
48	61333-1SD	17.633	2043.8	2.0438	2152.3	1161.6	2068.6
49	61333-2	-1.0321	22.855	.02285	-.13975	81.894	29.395
50	CCV	498.14	4945.5	4.9453	519.34	5161.0	4977.4
51	CCB	-.36894	14.971	.01497	-3.1486	9.9483	.74705
52	61333-1 1/5	-1.7792	9.1644	.00916	-3.5835	11.506	2.8763
53	61333-1S 1/5	1.6426	215.95	.21595	212.30	118.49	206.68

#	Sample Name	Ag	Al	2Al	As	B	Ba
54	61333-1SD 1/5	2.3619	233.60	.23360	225.77	122.55	218.88
55	61333-2 1/5	-.26234	24.640	.02464	-1.6392	9.2502	2.9972
56	61367-17 1/5	-.59007	4090.5	4.0905	3.1995	36.479	4.3537
57	CCV	499.98	4951.0	4.9510	525.91	5159.9	4975.2
58	CCB	-.57542	16.968	.01696	-2.1181	9.4737	.51253
59	PBW 180656	.32938	18.467	.01846	-1.7869	1.9946	.05288
60	LCSW-1	38.236	1997.3	1.9973	2089.2	1037.4	2049.4
61	61408-1 1/10	-.09067	196.19	.19619	L-25.706	15.592	.77307
62	61408-3 1/10	.41172	99.695	.09969	L-16.288	11.122	.22457
63	61408-5 1/10	-.59399	20.563	.02056	-9.1904	5.0608	.01165
64	61408-7 1/10	-.55196	76.136	.07614	L-24.266	14.193	.97664
65	61408-9	.65397	14.574	.01457	-2.5074	.67454	.98513
66	61241-19	5.2313	9794.7	9.7945	2.3888	74.243	125.72
67	61241-19 1/10	-.69902	959.32	.95936	-1.5175	8.6019	12.026
68	61417-1	-.31762	15621.	15.621	6.0209	17.643	296.12
69	CCV	500.65	4985.3	4.9850	520.17	5127.2	4966.5
70	CCB	.48430	14.007	.01400	-2.7136	11.831	1.6234
71	61417-1L	-.15636	3059.7	3.0597	-.57719	5.3153	57.288
72	61417-1A	41.744	17277.	17.276	2064.9	1048.7	2308.0
73	61417-1S	38.724	24098.	24.097	2084.2	1073.8	2456.5
74	61417-1SD	39.414	24157.	24.156	2147.7	1104.6	2462.2
75	CCV	500.24	4995.7	4.9957	518.40	5115.5	4979.1
76	CCB	-.14806	15.413	.01541	-1.0102	10.512	.86949
77	PBW (180683) 180953	-1.3128	6.7657	.00676	-1.8486	1.5372	.15129
78	PBW (180770)	-.31765	13.990	.01399	-.75267	4.3249	.41875
79	PBW (180631)	-.19298	13.399	.01339	-3.7410	17.032	1.2148
80	PBW (180509)	-.21861	16.862	.01686	-1.8977	3.8328	.37781
81	LCSW-1	51.592	2122.1	2.1221	2164.3	1059.7	2119.5
82	LCSW-2	51.118	2116.9	2.1170	2179.1	1066.8	2114.9
83	61418-1	-.99921	29.481	.02948	-1.0519	11.507	23.220
84	61419-8	-.32780	79.960	.07996	.35910	12.067	12.295
85	61419-8L	-.39556	26.199	.02619	.42517	2.0101	2.5184
86	CCV	499.18	5001.9	5.0018	521.05	5117.5	4956.9
87	CCB	-.74215	9.1367	.00913	-2.1096	10.395	1.1363
88	61419-8A	41.941	2081.2	2.0812	2087.9	1050.8	2049.3
89	61419-9	-.72104	16.010	.01601	-2.5928	8.4112	18.189
90	60742-3	-.95481	32.583	.03258	-3.0234	11.795	9.5717
91	60742-3S	37.286	2106.9	2.1069	2138.7	1067.1	2103.9
92	60742-3SD	36.560	2098.0	2.0981	2138.6	1085.3	2096.5
93	60742-2	.47976	711.65	.71167	-1.4783	60.464	19.308
94	61239-16	-.06846	138.93	.13893	5.9613	70.120	20.451
95	61241-27	.30912	42.230	.04223	440.47	72.352	16.132
96	61312-1	-.89220	44.680	.04468	-.23193	6.2001	24.848
97	61312-2	-.52611	45.052	.04505	-1.6373	4.9652	28.892
98	CCV	502.39	5035.6	5.0354	517.56	5125.6	4995.0
99	CCB	-1.2966	6.0545	.00605	-.31928	9.9327	1.0175
100	61312-3	-.42299	37.861	.03786	-3.4586	8.8761	27.128
101	61312-4	.00391	39.000	.03900	-2.2841	8.6905	20.283
102	61312-5	-.76247	26.556	.02655	.03380	7.2587	29.117
103	61312-6	-.82679	31.347	.03134	-1.8393	7.7586	13.661
104	61312-7	-.86917	26.691	.02669	2.0601	7.7289	13.533
105	61260-1	-.63476	15.420	.01542	-2.9471	4.3098	7.6983
106	61312-8	-.99791	38.324	.03832	-3.0194	6.2828	18.734
107	CCV	497.38	5019.7	5.0196	510.60	5034.8	4999.5

#	Sample Name	Ag	Al	2Al	As	B	Ba
108	CCB	-.70168	9.8592	.00985	-.25894	6.1351	.24760
109	RL	10.531	218.15	.21815	18.657	104.74	10.458
110	ICSA	-.42399	543150.	543.16	-3.6857	14.082	1.4012
111	ICSAB	213.90	538120.	538.10	102.53	14.001	544.92
112	CCV	495.59	5058.3	5.0581	513.70	5059.1	5000.8
113	CCB	-.21973	15.839	.01583	-.73686	5.5522	.38421

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
1	HIGH STD 00034	997.51	9956.2	994.58	995.11	9972.3	9964.4
2	ICVP 00190	989.78	989.02	999.60	993.17	1008.3	1003.5
3	ICB	-.01524	-1.8673	-.02084	-.90518	-.63897	-1.0878
4	RL ICP 00045	4.0002	501.47	5.1814	9.9878	9.6486	20.576
5	RL ICP 00045	3.9713	500.99	5.3070	9.8772	9.8279	20.913
6	RL ICP 00045	4.0197	507.93	5.3045	10.153	10.317	21.156
7	ICSA61 00022	.14583	548700.	2.0524	.94926	2.2139	3.1495
8	ICSAB61 00038	519.62	544790.	989.69	486.94	499.34	547.80
9	CCVP 00072	499.78	4977.1	500.33	497.20	4985.1	4964.3
10	CCB	.01444	.08169	.17994	-.05120	.09278	-.20314
11	VOA WATER	-.00588	22393.	.00024	-.00667	.08966	.38870
12	SHIPPING	-.01560	13.313	.08431	-.69406	-.07607	.01538
13	PBW 180784	-.01502	30.730	-.30778	-.01484	.50176	.04416
14	LCSS-1	52.440	5180.0	53.561	529.30	214.12	260.65
15	61464-1	3.7183	32999.	.54611	25.780	72.647	57.284
16	61464-2	2.6412	8763.6	.23538	25.204	47.102	46.458
17	61464-3	2.6751	12814.	.59220	22.823	62.454	45.141
18	61464-4	1.9897	11230.	.14839	19.282	62.700	45.060
19	61464-5	2.9164	18512.	.15707	15.981	63.747	29.186
20	61464-6	5.2240	21984.	.79858	46.624	69.128	80.323
21	CCV	506.78	5065.0	513.27	503.50	5054.0	4979.2
22	CCB	.10949	.59833	.20227	-.67021	.43114	-.22368
23	61464-7	5.6266	16204.	.17491	30.274	50.098	44.024
24	61464-8	6.6915	12459.	.10766	24.437	57.040	52.996
25	61464-9	4.0821	10224.	-.18730	18.715	30.877	30.943
26	61464-9L	.83309	2110.0	.13238	3.3222	6.5975	5.9290
27	61464-9A	53.402	15071.	50.117	513.96	229.16	275.54
28	61464-9S	57.324	17966.	53.505	554.18	278.28	298.65
29	61464-9SD	74.784	17265.	53.901	557.18	256.45	303.91
30	61464-10	10.496	17237.	6.8892	28.796	65.125	98.953
31	61464-11	2.4269	7977.3	.02678	16.627	39.956	40.343
32	61449-4	1.4825	H868160.	.66958	10.575	2375.5	325.81
33	CCV	515.64	5277.4	525.84	512.87	5123.2	4952.0
34	CCB	.02677	-.84932	.24424	.21627	.23651	-.07700
35	RL ICP	4.1556	522.04	5.5516	10.393	10.118	21.040
36	ICSA61	.04386	563650.	.98271	.37260	1.9565	1.8737
37	ICSAB61	536.66	564970.	1040.3	500.48	509.78	540.97
38	CCV	514.21	5095.1	525.71	509.45	5088.7	4911.4
39	CCB	-.00663	-1.0818	.25239	-.15052	-.00673	-.33997
40	PBW 180580	-.02907	-.23176	.07603	.35550	.60862	.68351
41	LCSW-1	50.177	5025.3	53.254	509.16	202.82	237.94
42	LCSW-1 (RL)	4.0805	519.04	5.5380	10.319	10.210	20.913
43	61229-1	.00588	27933.	.28171	-.39270	.26828	.33082
44	61229-3	-.01848	52529.	-.08376	-.16229	.17903	.06303

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
45	61229-3 1/5	-.00278	10563.	.09355	-.33057	.07231	-.24115
46	61333-1	-.03755	48956.	.08255	-.10790	.01220	.13264
47	61333-1S	51.500	53190.	53.497	518.73	206.26	241.87
48	61333-1SD	51.777	53031.	53.649	520.97	206.80	243.81
49	61333-2	-.00843	49009.	.13791	-.17295	-.10362	.38366
50	CCV	518.09	5161.6	527.86	515.25	5129.3	4971.9
51	CCB	.05584	1.8255	.23743	-.52540	.06062	.42484
52	61333-1 1/5	-.00101	4883.6	-.13805	-1.0997	-.66561	-.91545
53	61333-1S 1/5	5.2584	5335.3	5.4953	52.699	21.181	24.730
54	61333-1SD 1/5	5.5898	5612.0	5.7788	55.935	22.531	26.224
55	61333-2 1/5	-.00239	4879.9	.29988	.14743	.67891	.32607
56	61367-17 1/5	4.4769	16380.	.11379	11.574	1.7592	-.45082
57	CCV	516.00	5124.7	523.33	513.60	5101.9	4994.9
58	CCB	.01274	1.1798	.01438	-.41389	.55092	.66253
59	PBW 180656	-.01898	14.088	-.04522	-.27555	.65284	.12615
60	LCSW-1	51.967	5164.5	53.512	525.63	209.60	253.82
61	61408-1 1/10	-.01361	675.45	12.641	11.286	23091.	92.614
62	61408-3 1/10	-.06833	174.95	2.2863	5.7570	17929.	1034.8
63	61408-5 1/10	-.05415	14.032	.63974	.43718	9640.7	939.38
64	61408-7 1/10	-.11745	216.75	1.0977	1.6912	H27987.	344.12
65	61408-9	.00349	67.765	1.9273	-.60292	16.793	6.5293
66	61241-19	.21431	30348.	81.028	137.00	120.09	67.131
67	61241-19 1/10	.01086	2924.7	8.0575	13.649	11.604	7.4249
68	61417-1	.71853	33502.	3.2774	6.1900	130.03	238.91
69	CCV	510.97	5095.2	515.45	510.64	5079.3	5019.6
70	CCB	.14393	4.8714	.33602	.53078	1.6537	1.7184
71	61417-1L	.11192	6469.0	.71339	.82272	25.027	46.159
72	61417-1A	51.914	37886.	54.794	521.85	331.62	488.24
73	61417-1S	53.400	72624.	54.845	534.26	305.05	590.80
74	61417-1SD	55.217	54703.	56.017	551.22	358.92	499.74
75	CCV	510.58	5133.6	515.59	510.18	5081.9	5010.6
76	CCB	.06208	3.8301	.32029	.14245	.49296	1.1356
77	PBW (180683) 180953	-.02381	30.595	-.05317	-.69471	-.32166	-.25237
78	PBW (180770)	-.01657	61.573	.06865	-.21365	1.8600	.62400
79	PBW (180631)	-.01468	252.93	.02366	-.44337	28.716	.29930
80	PBW (180509)	-.01408	54.264	.16756	.12467	1.6167	.76570
81	LCSW-1	53.314	5274.9	54.472	540.70	214.85	266.36
82	LCSW-2	53.517	5288.6	54.749	541.29	215.26	267.51
83	61418-1	-.00731	32619.	.29244	.78504	1.2987	4.0269
84	61419-8	.00936	28252.	.18539	-.05250	1.7459	1.9107
85	61419-8L	.01088	5605.0	.07503	-.19515	.55616	.75654
86	CCV	509.63	5102.1	513.96	509.90	5069.2	5011.4
87	CCB	.08424	2.8390	.14578	-.25082	.88060	1.4061
88	61419-8A	51.970	33006.	52.777	519.48	208.20	257.79
89	61419-9	-.00744	48489.	.17886	-.20835	.36390	.20559
90	60742-3	-.00580	672.69	.41221	.36462	3.6623	1.5323
91	60742-3S	52.898	5920.5	54.017	533.33	214.80	265.09
92	60742-3SD	52.901	6009.4	54.415	534.55	215.83	265.12
93	60742-2	.02174	2521.2	.24022	.03898	36.812	2.5039
94	61239-16	.03355	152210.	5.0754	99.610	68.545	33.612
95	61241-27	-.02211	4420.9	7.6251	8.2029	418.18	943.68
96	61312-1	.05598	25921.	1.7060	5.1994	.93455	6.6527
97	61312-2	.05517	17463.	2.3558	3.1878	.03929	23.574
98	CCV	512.21	5139.7	516.88	511.68	5091.8	5030.5

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
99	CCB	.08121	2.8382	.27720	-.08375	1.1062	1.0962
100	61312-3	.08262	18120.	4.3851	5.2701	.47603	32.265
101	61312-4	.07490	27986.	1.9954	4.8082	.64773	9.2733
102	61312-5	.05845	30331.	1.6723	3.7911	.27476	2.3201
103	61312-6	.09255	32621.	1.0622	6.5755	.45788	1.0174
104	61312-7	.09668	30195.	.70563	6.0430	.46036	.89186
105	61260-1	.00623	52635.	-.18147	-.29329	.27614	.46842
106	61312-8	.05479	36153.	.81793	6.5372	.73591	.19505
107	CCV	503.98	5092.0	506.48	505.13	5028.8	4982.0
108	CCB	.02022	1.7753	.25193	-.12722	.55227	.27094
109	RL	4.0592	520.62	5.6132	9.8950	10.138	21.631
110	ICSA	.09862	557750.	1.9017	.45745	1.2448	3.2338
111	ICSAB	527.14	556100.	1005.6	495.94	504.63	551.48
112	CCV	507.66	5145.2	510.07	506.74	5050.1	4978.8
113	CCB	.02963	10.737	.34167	.08906	.26353	.43763

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
1	HIGH STD 00034	9956.7	9.9563	19947.	9948.9	9.9489	9986.6
2	ICVP 00190	988.48	.98876	19319.	997.63	.99763	1004.2
3	ICB	-6.1885	-.00618	-19.861	-4.9244	-.00492	-.08287
4	RL ICP 00045	45.927	.04592	996.63	500.85	.50070	10.079
5	RL ICP 00045	44.518	.04451	1000.2	501.46	.50131	10.066
6	RL ICP 00045	58.014	.05801	1012.5	508.24	.50809	10.179
7	ICSA61 00022	195990.	195.96	34.587	532470.	532.28	-.91096
8	ICSAB61 00038	195010.	194.98	24.836	528630.	528.43	501.13
9	CCVP 00072	4968.1	4.9681	9917.8	4969.9	4.9699	4993.5
10	CCB	-1.1547	-.00115	25.065	3.7092	.00370	.08663
11	VOA WATER	-7.1686	-.00716	2744.7	7766.5	7.7643	.03683
12	SHIPPING	-7.6103	-.00760	16.549	.04017	.00004	-.01482
13	PBW 180784	13.285	.01328	11.723	6.2433	.00623	.32486
14	LCSS-1	1044.8	1.0449	5058.0	5139.0	5.1376	530.57
15	61464-1	70328.	70.315	3676.3	16386.	16.369	1297.7
16	61464-2	55643.	55.634	2792.3	13797.	13.783	874.48
17	61464-3	80015.	80.001	3142.1	16768.	16.750	1463.4
18	61464-4	60687.	60.677	4000.6	16032.	16.018	1089.6
19	61464-5	77633.	77.617	3054.8	10002.	9.9863	944.43
20	61464-6	117280.	117.26	3861.5	25642.	25.615	1472.5
21	CCV	5058.4	5.0584	9941.1	5034.9	5.0349	5054.5
22	CCB	10.389	.01038	20.248	-1.1531	-.00115	.98756
23	61464-7	112610.	112.59	4949.9	16870.	16.846	2489.3
24	61464-8	122500.	122.48	4158.1	15205.	15.180	2322.6
25	61464-9	78495.	78.479	3577.4	11565.	11.548	1179.6
26	61464-9L	16163.	16.160	746.91	2377.9	2.3745	243.27
27	61464-9A	77686.	77.670	8636.1	16423.	16.406	1649.7
28	61464-9S	95554.	95.537	7855.2	22281.	22.259	2426.5
29	61464-9SD	92266.	92.253	8205.5	20059.	20.038	2106.6
30	61464-10	79064.	79.049	3463.2	19165.	19.146	1216.1
31	61464-11	47575.	47.565	3004.6	9947.5	9.9366	554.70
32	61449-4	206230.	206.19	14018.	40136.	40.100	28666.
33	CCV	5175.1	5.1751	9801.3	5186.4	5.1864	5135.2
34	CCB	11.838	.01183	40.087	.06145	.00005	.06982
35	RL ICP	45.599	.04559	988.86	533.51	.53335	10.422

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
36	ICSA61	198880.	198.85	19.444	547970.	547.76	-1.2602
37	ICSAB61	199720.	199.69	-67.531	549000.	548.80	510.41
38	CCV	5103.2	5.1032	9708.9	5154.6	5.1546	5083.2
39	CCB	10.606	.01060	26.914	-2.4207	-.00242	.05166
40	PBW 180580	-19.713	-.01971	-15.369	3.6796	.00368	.31920
41	LCSW-1	986.19	.98628	5305.5	5124.0	5.1226	503.88
42	LCSW-1 (RL)	37.619	.03761	1101.0	527.95	.52779	10.552
43	61229-1	130.73	.13071	4151.7	11056.	11.052	5.4899
44	61229-3	72.544	.07253	10525.	35950.	35.940	13.071
45	61229-3 1/5	35.531	.03552	1685.1	7237.2	7.2352	2.7461
46	61333-1	-9.1554	-.00915	9936.1	39343.	39.331	-.12332
47	61333-1S	1035.7	1.0357	16198.	43862.	43.848	517.63
48	61333-1SD	1016.2	1.0163	15952.	43702.	43.688	520.58
49	61333-2	-3.3662	-.00336	6170.8	35626.	35.615	.32238
50	CCV	5141.8	5.1418	9628.8	5222.5	5.2224	5120.6
51	CCB	-3.8513	-.00385	13.500	.02137	.00002	.66626
52	61333-1 1/5	-9.4463	-.00944	727.56	3904.5	3.9034	.43901
53	61333-1S 1/5	98.494	.09850	1254.5	4398.6	4.3974	52.798
54	61333-1SD 1/5	114.27	.11428	1326.3	4627.9	4.6266	55.945
55	61333-2 1/5	1.2971	.00129	518.22	3555.2	3.5542	.17731
56	61367-17 1/5	86080.	86.065	1185.5	7405.2	7.3882	533.83
57	CCV	5123.1	5.1231	9609.4	5194.0	5.1940	5119.2
58	CCB	-7.1607	-.00715	-12.231	-1.2171	-.00121	.47114
59	PBW 180656	8.4860	.00848	-3.8784	1.2643	.00126	.34379
60	LCSW-1	1034.3	1.0344	4859.2	5220.1	5.2186	523.36
61	61408-1 1/10	1373.5	1.3732	15.169	1316.1	1.3155	99.394
62	61408-3 1/10	677.79	.67757	17.847	112.04	.11189	30.138
63	61408-5 1/10	14.891	.01481	6.2752	6.2605	.00625	.30425
64	61408-7 1/10	3159.2	3.1586	30.707	88.228	.08766	29.292
65	61408-9	19.143	.01914	49.735	18.961	.01896	24.143
66	61241-19	5697.5	5.6968	1278.0	42305.	42.291	378.24
67	61241-19 1/10	549.91	.54984	119.60	4083.1	4.0818	36.996
68	61417-1	25953.	25.949	1822.9	5836.4	5.8303	319.30
69	CCV	5079.5	5.0795	9607.1	5152.6	5.1526	5085.8
70	CCB	10.473	.01047	32.021	5.0149	.00501	1.6267
71	61417-1L	5022.2	5.0216	334.36	1130.9	1.1297	62.145
72	61417-1A	26310.	26.305	6776.7	10972.	10.965	823.81
73	61417-1S	28890.	28.885	8212.4	13047.	13.039	937.03
74	61417-1SD	25623.	25.618	7820.9	12575.	12.568	852.53
75	CCV	5093.3	5.0933	9790.3	5160.4	5.1604	5089.3
76	CCB	17.295	.01729	39.589	1.2714	.00126	.68572
77	PBW (180683) 180953	-3.2288	-.00322	6.8183	-5.0023	-.00500	-.04082
78	PBW (180770)	-5.7436	-.00574	30.668	11.336	.01133	.11927
79	PBW (180631)	-10.580	-.01057	85.044	57.999	.05798	.09878
80	PBW (180509)	-2.7601	-.00275	39.778	11.495	.01149	.14451
81	LCSW-1	1035.2	1.0353	6189.7	5266.0	5.2646	532.94
82	LCSW-2	1028.8	1.0288	6116.2	5287.5	5.2861	534.20
83	61418-1	12.747	.01274	559.52	1333.8	1.3335	56.125
84	61419-8	50.806	.05080	95.108	313.75	.31365	4.6804
85	61419-8L	15.262	.01526	42.996	66.333	.06631	1.0183
86	CCV	5067.2	5.0672	9643.0	5157.6	5.1576	5079.6
87	CCB	-15.270	-.01526	-11.061	1.2616	.00126	1.1363
88	61419-8A	1048.5	1.0485	6033.4	5615.6	5.6141	520.42
89	61419-9	13.219	.01321	56.220	617.75	.61757	6.1360

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
90	60742-3	9.2223	.00922	63.524	111.38	.11134	5.5809
91	60742-3S	1042.6	1.0427	5867.5	5402.9	5.4014	533.11
92	60742-3SD	1028.7	1.0288	5893.6	5498.5	5.4970	533.15
93	60742-2	422.27	.42221	305.84	359.88	.35970	6.3675
94	61239-16	48.688	.04871	6010.9	2197.4	2.1968	106.40
95	61241-27	14.486	.01448	948.06	810.75	.81060	179.09
96	61312-1	149.05	.14902	512.77	1488.8	1.4885	284.83
97	61312-2	137.25	.13723	396.51	739.12	.73899	243.38
98	CCV	5113.7	5.1137	9889.6	5173.8	5.1738	5100.7
99	CCB	4.8508	.00485	8.0170	2.5150	.00251	1.0228
100	61312-3	61.016	.06101	542.62	693.48	.69343	365.75
101	61312-4	157.83	.15780	568.05	1394.0	1.3937	335.80
102	61312-5	44.083	.04407	570.43	1970.0	1.9696	316.74
103	61312-6	268.65	.26862	524.81	1837.8	1.8373	341.79
104	61312-7	1324.4	1.3242	531.53	1468.9	1.4684	394.27
105	61260-1	-4.2734	-.00427	22.765	462.15	.46202	8.0634
106	61312-8	373.09	.37304	672.20	1623.0	1.6227	440.66
107	CCV	5046.8	5.0468	10068.	5097.7	5.0977	5044.2
108	CCB	-4.3258	-.00432	18.024	1.2572	.00125	.24239
109	RL	46.970	.04696	1034.5	522.13	.52197	10.356
110	ICSA	199300.	199.27	10.350	543420.	543.21	-.98421
111	ICSAB	198820.	198.78	37.189	542370.	542.14	507.68
112	CCV	5098.5	5.0985	10074.	5191.8	5.1917	5060.2
113	CCB	5.5617	.00556	10.310	7.4399	.00743	.38193

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
1	HIGH STD 00034	998.34	15071.	4977.1	995.16	9932.8	997.81
2	ICVP 00190	1003.5	9654.2	999.02	981.48	1003.8	961.89
3	ICB	.59153	-28.088	-1.2285	-.13740	2.8072	-2.7897
4	RL ICP 00045	10.016	881.17	40.722	9.5123	25.473	23.426
5	RL ICP 00045	10.330	1145.1	40.978	9.0212	24.142	23.015
6	RL ICP 00045	10.410	968.32	40.962	10.620	23.998	20.970
7	ICSA61 00022	-.16294	196.01	-.08926	-.89834	-1.2385	1.3735
8	ICSAB61 00038	1003.6	151.59	968.13	46.121	55.301	619.27
9	CCVP 00072	501.58	7408.7	2495.7	505.33	5060.6	501.94
10	CCB	.45921	243.77	-.14039	-.81993	3.6185	4.8950
11	VOA WATER	.85783	12807.	.75087	.97675	1.1498	.81646
12	SHIPPING	-.06711	-149.79	-.32298	1.7474	3.4530	-.43688
13	PBW 180784	-1.3488	173.11	-.89260	.81996	3.9278	-.22433
14	LCSS-1	523.74	4811.8	528.13	523.77	2099.0	507.32
15	61464-1	4.4692	424.71	50.920	40.687	7.5732	4.2024
16	61464-2	.11747	257.80	38.838	25.354	3.4407	1.2973
17	61464-3	3.1871	226.84	46.318	35.549	4.1207	.62283
18	61464-4	4.2366	127.52	42.128	28.576	4.1371	2.5587
19	61464-5	.59870	-132.02	27.817	33.427	2.8670	5.8662
20	61464-6	.80726	-134.80	60.888	74.198	-1.2600	3.8106
21	CCV	510.76	7127.3	2539.1	509.17	5118.4	499.95
22	CCB	.48155	280.67	.15180	.55087	2.8754	2.7128
23	61464-7	8.3849	-321.70	42.806	69.929	3.2617	4.4586
24	61464-8	7.4271	-10.733	33.010	69.096	4.6596	1.6189
25	61464-9	3.5634	28.945	25.319	37.320	3.9595	5.9013
26	61464-9L	.02751	331.03	5.6896	6.9837	6.1328	1.3417

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
27	61464-9A	496.19	4821.8	518.26	527.63	1983.9	470.77
28	61464-9S	529.27	4933.7	567.09	567.31	2093.5	492.75
29	61464-9SD	534.07	5168.6	568.69	565.02	2099.2	495.56
30	61464-10	5.0799	307.09	64.684	65.027	8.2085	7.5293
31	61464-11	-.00642	559.78	29.727	20.528	2.0498	3.9478
32	61449-4	26.182	3049.5	67.643	2.6040	10.491	11.660
33	CCV	513.16	7498.6	2589.3	525.23	5267.3	509.63
34	CCB	.49409	227.66	1.0634	.88118	5.5419	3.5607
35	RL ICP	11.522	1008.4	42.551	11.377	25.549	24.696
36	ICSA61	-.97022	248.88	-.22728	-2.5449	1.7213	6.4682
37	ICSAB61	1029.1	56.204	998.04	49.057	57.278	625.00
38	CCV	509.36	7683.5	2576.8	521.26	5251.1	504.51
39	CCB	1.6985	141.90	-.07764	-.65943	5.1914	5.1981
40	PBW 180580	-.82977	-182.70	.74988	.30162	.56923	1.2614
41	LCSW-1	492.77	4551.8	508.94	511.93	2111.2	393.21
42	LCSW-1 (RL)	12.154	880.09	42.630	11.953	26.573	20.284
43	61229-1	49.129	21159.	1.1522	.20034	7.9329	1.1591
44	61229-3	1.9692	H235510.	-.27652	.84942	5.5706	-.37833
45	61229-3 1/5	-1.2143	41779.	-.15751	.36619	4.8219	2.8276
46	61333-1	10.073	H171940.	-.28389	.20135	8.6457	-.99483
47	61333-1S	527.97	H175580.	513.86	519.17	1780.3	460.80
48	61333-1SD	523.26	H174610.	518.29	521.88	1766.4	458.79
49	61333-2	16.445	H102900.	.38867	.29991	8.4974	4.7337
50	CCV	510.69	7407.3	2598.9	527.07	5290.4	509.41
51	CCB	1.4044	-75.756	.13863	-.78909	6.0620	3.5360
52	61333-1 1/5	1.6136	14652.	-.71891	-1.0884	2.7120	1.3106
53	61333-1S 1/5	54.574	15102.	52.045	53.148	179.41	47.945
54	61333-1SD 1/5	55.789	16081.	55.833	56.803	190.15	50.312
55	61333-2 1/5	2.0276	9598.5	.29299	.48544	2.7420	3.7228
56	61367-17 1/5	-.50878	6021.7	21.755	.32453	4.2657	.93615
57	CCV	507.33	7241.2	2585.6	525.42	5282.5	510.27
58	CCB	1.3460	-187.25	-.12286	.86552	4.2699	2.3665
59	PBW 180656	1.1961	110.48	-1.2157	.22069	.74938	-1.3849
60	LCSW-1	514.69	4911.0	525.87	525.70	2113.2	499.11
61	61408-1 1/10	40.105	1050.9	572.73	-.87100	3.5867	53.654
62	61408-3 1/10	23.798	194.13	387.13	.76883	3.0018	39.917
63	61408-5 1/10	.91848	859.43	.11515	1.6772	2.9133	20.589
64	61408-7 1/10	2.1806	85.022	7.3359	.97299	-1.3171	73.776
65	61408-9	-.50683	11801.	.82516	2.0890	4.1685	2.2862
66	61241-19	4.0225	11689.	17.679	H80290.	4.9242	69.158
67	61241-19 1/10	-1.0045	657.36	1.5363	7845.9	3.7562	7.3166
68	61417-1	1.5614	855.78	65.262	329.95	2.9700	6.0727
69	CCV	503.10	6961.4	2556.7	518.85	5209.7	507.63
70	CCB	.60029	-159.63	.70323	-.36231	7.3462	6.4037
71	61417-1L	-.81588	192.33	11.565	63.947	2.2524	1.1583
72	61417-1A	499.24	5563.1	575.61	827.87	2075.1	490.50
73	61417-1S	510.10	5658.0	601.85	881.40	2093.8	492.46
74	61417-1SD	524.16	5343.2	611.90	896.39	2164.8	512.26
75	CCV	505.05	7480.6	2565.2	519.06	5212.0	508.30
76	CCB	1.3668	279.16	.17773	.83266	8.1742	4.7053
77	PBW (180683) 180953	-.15772	H117170.	-.88315	1.7833	4.8627	1.6957
78	PBW (180770)	-1.2490	H123470.	.47666	.00294	5.3576	.13506
79	PBW (180631)	.36588	H113810.	.34102	.76259	2.0006	1.6748
80	PBW (180509)	-.02690	H116020.	.32267	-.11264	5.8414	3.8545

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
81	LCSW-1	524.34	H177610.	536.60	538.75	2180.5	519.17
82	LCSW-2	527.35	H176450.	537.29	543.87	2191.1	514.67
83	61418-1	1.2304	H118910.	2.2346	3.3735	2.0717	3.9339
84	61419-8	.36205	H126630.	-.05959	.61058	3.6504	2.7562
85	61419-8L	.45563	23383.	.23647	.96101	1.5223	3.2402
86	CCV	498.53	7477.7	2558.7	516.05	5167.1	508.25
87	CCB	1.7434	-187.83	-.02923	-.24039	5.9063	1.1219
88	61419-8A	507.55	H130060.	517.66	518.84	2105.6	497.07
89	61419-9	.09681	H119150.	-.13553	1.2938	-1.7780	2.7907
90	60742-3	.25749	H116940.	.23667	3.7158	2.2932	2.4651
91	60742-3S	522.28	H123490.	530.18	535.39	2153.5	512.97
92	60742-3SD	528.62	H123460.	530.80	535.96	2146.2	509.08
93	60742-2	2.3742	H158500.	.29046	2.1741	1.0813	4.0444
94	61239-16	-.38578	H128360.	4.2473	655.86	.37767	-1.0734
95	61241-27	.96345	H133670.	.13293	153.97	3.7174	8.6301
96	61312-1	-.06179	H115980.	16.213	117.27	-.00291	1.8712
97	61312-2	-.83576	H116710.	11.381	233.77	4.5972	3.0369
98	CCV	504.80	7420.4	2569.6	519.98	5206.5	508.45
99	CCB	-1.3051	63.157	.08493	.83470	4.5798	2.5691
100	61312-3	-.60362	H118020.	16.884	178.51	3.2329	1.2975
101	61312-4	-.15947	H119990.	12.815	92.571	-.11468	.63660
102	61312-5	-.73394	H118480.	10.727	53.717	2.3689	5.4199
103	61312-6	-.34865	H119010.	22.739	33.625	.73763	1.8608
104	61312-7	-1.0807	H117210.	22.996	60.164	.48462	.48748
105	61260-1	-1.2491	H119090.	-.20794	2.1229	3.3817	-.73784
106	61312-8	-.63744	H119970.	17.577	36.489	2.7126	.85910
107	CCV	497.30	7331.0	2534.6	510.24	5105.3	501.60
108	CCB	.87889	103.34	1.1533	1.6286	1.2098	3.5038
109	RL	9.7727	973.89	41.454	9.5240	23.712	20.488
110	ICSA	-.59540	77.461	.46198	-1.5753	7.0745	5.5432
111	ICSAB	1005.6	207.65	986.17	47.540	56.594	625.63
112	CCV	500.15	7439.9	2545.1	513.59	5139.6	506.93
113	CCB	.74898	-89.793	.46127	.38221	5.2106	2.3146

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
1	HIGH STD 00034	9961.0	4972.7	996.79	9979.1	9964.4	4965.4
2	ICVP 00190	1004.2	1023.1	970.56	989.40	982.98	1000.8
3	ICB	1.7696	-.06202	.02459	.11205	-.16098	-.45199
4	RL ICP 00045	51.006	10.571	9.8834	25.435	9.9906	21.250
5	RL ICP 00045	52.012	10.474	9.8113	25.632	10.020	21.265
6	RL ICP 00045	52.615	10.634	10.052	27.286	10.606	21.631
7	ICSA61 00022	2.0668	2.6755	2.0005	-.34183	1.8959	5.5458
8	ICSAB61 00038	990.16	2.5851	2.0219	105.16	509.70	988.93
9	CCVP 00072	4980.1	2546.7	498.04	5014.6	4958.3	2495.1
10	CCB	2.3854	.06670	.04662	.45383	.68989	.24446
11	VOA WATER	5.2917	317.93	-.01325	3.9868	-.10852	5.3521
12	SHIPPING	-1.0287	.33434	-.02368	.09135	.28549	4.0827
13	PBW 180784	12.373	.04142	-.00631	-3.7066	-.13065	3.1445
14	LCSS-1	1051.1	539.59	726.66	2161.2	518.57	536.29
15	61464-1	17.601	273.84	3640.7	4.9773	165.07	197.14
16	61464-2	17.049	74.573	2907.7	4.1850	87.873	190.51
17	61464-3	19.531	113.65	3390.9	1.5250	103.78	215.10

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
18	61464-4	16.018	103.89	4190.0	2.2911	95.416	194.55
19	61464-5	19.246	128.66	7098.9	-.18593	146.46	149.26
20	61464-6	21.565	259.87	6676.8	2.3826	169.96	367.63
21	CCV	5052.5	2585.4	509.49	5102.3	4996.9	2539.2
22	CCB	2.7113	.48618	.85893	4.7958	1.1179	.28807
23	61464-7	20.456	139.15	5043.1	-1.1264	109.15	307.91
24	61464-8	22.690	127.33	3635.6	.13005	122.15	383.82
25	61464-9	18.784	111.21	3218.0	-2.1169	88.693	222.09
26	61464-9L	2.8470	22.946	660.88	-1.7289	19.220	46.760
27	61464-9A	1024.3	637.50	4140.5	2023.7	566.44	713.36
28	61464-9S	1057.4	688.76	5274.3	2155.7	619.06	762.05
29	61464-9SD	1069.1	691.18	4305.7	2179.1	615.61	983.34
30	61464-10	19.256	125.90	3017.5	9.2246	130.71	250.67
31	61464-11	16.384	70.145	2894.7	-.00127	75.152	156.85
32	61449-4	27.600	1926.8	3922.1	7.4019	393.19	135.89
33	CCV	5187.7	2569.4	509.92	5210.5	5026.3	2624.0
34	CCB	2.5844	.04874	.40997	6.1587	1.5883	-.07583
35	RL ICP	54.625	10.692	10.386	23.123	10.054	23.148
36	ICSA61	2.8460	2.6142	2.0636	.98610	2.3109	4.3892
37	ICSAB61	1020.2	2.5397	1.9146	101.68	514.06	1037.8
38	CCV	5167.2	2554.8	501.33	5182.4	5001.4	2616.8
39	CCB	2.9628	.00538	.09280	8.7036	1.1111	-.00348
40	PBW 180580	-.71660	.06548	.25464	4.7678	-.47911	.11791
41	LCSW-1	808.21	512.11	682.09	2115.9	489.85	528.53
42	LCSW-1 (RL)	30.526	10.668	10.624	25.695	10.475	23.404
43	61229-1	.83042	4647.6	.54043	.33788	1.0764	1.5858
44	61229-3	.48361	H13057.	.45384	4.3176	-.53216	1.6437
45	61229-3 1/5	5.7976	2789.5	.38958	1.4537	.82303	.16805
46	61333-1	-1.5931	H13024.	-.06899	-2.9123	-.93592	.65026
47	61333-1S	958.54	H13242.	716.39	2159.4	506.94	541.60
48	61333-1SD	940.07	H13149.	703.01	2160.0	507.93	544.80
49	61333-2	1.0640	H15150.	.98002	-1.9306	.30335	1.6944
50	CCV	5200.8	2532.4	505.12	5217.2	5055.0	2642.4
51	CCB	2.9363	.90262	.11892	3.7017	.78153	.27058
52	61333-1 1/5	1.9568	1390.0	-.25808	-1.1824	-.13805	-.05184
53	61333-1S 1/5	108.24	1423.0	72.174	217.21	50.974	54.608
54	61333-1SD 1/5	110.75	1494.7	74.569	225.78	54.203	57.893
55	61333-2 1/5	1.8889	1638.2	.37321	-2.6641	1.0476	2.3653
56	61367-17 1/5	1.0499	141.88	-.14428	2.3660	93.200	24.870
57	CCV	5176.4	2522.4	502.77	5199.1	5055.4	2625.1
58	CCB	2.3289	.28114	.17362	2.9227	.36387	.05001
59	PBW 180656	12.097	.02655	.27756	2.6427	-.17596	.95278
60	LCSW-1	1051.9	520.23	710.14	2151.1	510.01	538.95
61	61408-1 1/10	4.0181	5.9799	4.7499	4.0428	L-34.686	4243.7
62	61408-3 1/10	2.9020	.33375	3.7374	4.3613	L-25.532	147.13
63	61408-5 1/10	2.6645	.05062	1.9868	1.0624	L-16.604	73.903
64	61408-7 1/10	2.9836	.47593	5.3258	-4.1800	L-40.717	20.953
65	61408-9	14.808	.37866	-.00900	-.13022	1.0487	1037.9
66	61241-19	29.627	105.26	1518.9	-4.1452	51.399	H197690.
67	61241-19 1/10	3.2701	10.132	146.61	-5.0431	5.0090	25284.
68	61417-1	55.656	93.286	1525.4	2.5290	37.985	549.14
69	CCV	5127.6	2505.5	501.87	5143.9	5043.3	2554.0
70	CCB	6.1923	.82681	.52307	7.5134	2.2050	1.8175
71	61417-1L	8.1977	18.024	295.21	-3.7406	6.5457	108.60

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
72	61417-1A	1088.6	609.60	2492.9	2096.9	537.45	1049.6
73	61417-1S	1122.2	643.91	2380.1	2136.8	557.10	1040.7
74	61417-1SD	1127.6	713.38	2514.6	2205.6	572.22	1071.7
75	CCV	5143.1	2511.0	504.00	5146.1	5057.0	2566.3
76	CCB	4.8104	.34921	.41011	11.986	2.1174	.35550
77	PBW (180683) 180953	.08358	.00322	-.04617	.72043	-.15786	-.20123
78	PBW (180770)	2.5690	.43262	.07457	-.22113	.05602	.89451
79	PBW (180631)	-.68069	.75916	.08906	-4.7578	.26458	1.7642
80	PBW (180509)	2.7272	.37265	.17603	-3.1366	.17277	.57448
81	LCSW-1	1066.6	529.71	727.95	2215.3	527.04	551.41
82	LCSW-2	1070.2	529.41	728.43	2224.4	526.20	554.33
83	61418-1	.18504	49.012	.74902	5.6938	.95201	48.697
84	61419-8	2.9766	34.192	.59651	1.4405	1.8397	1.5119
85	61419-8L	-.04722	6.8313	.15340	1.1458	1.1225	.44202
86	CCV	5128.5	2506.2	500.39	5136.8	5049.2	2570.3
87	CCB	3.4869	.59103	.10493	6.6060	.89059	.58337
88	61419-8A	1067.4	559.66	1026.3	2140.4	512.94	532.11
89	61419-9	2.6666	49.979	.57596	-5.7043	2.5581	.56544
90	60742-3	.03694	3.2875	.22322	-5.8073	.04602	42.587
91	60742-3S	1065.9	534.63	723.71	2180.6	521.02	586.08
92	60742-3SD	1084.4	541.41	735.28	2190.8	521.48	587.88
93	60742-2	3.3632	10.453	20.637	3.4158	1.9153	95.699
94	61239-16	-1.7116	159.15	1.5787	-.60070	.72374	6767.1
95	61241-27	1.9835	18.341	6.2745	.13906	-.03168	3310.2
96	61312-1	-2.5396	135.94	.01709	-3.1448	-.33122	638.16
97	61312-2	.19850	58.482	-.05150	-.29119	.20218	778.21
98	CCV	5145.9	2522.0	502.41	5142.4	5071.1	2583.0
99	CCB	3.8896	.52122	.23734	3.2473	1.4640	.28117
100	61312-3	1.4600	53.506	.20149	-4.8527	.57492	1311.2
101	61312-4	.60881	92.540	.23148	-.98985	-.54313	719.49
102	61312-5	1.7302	129.79	-.19102	2.5694	.62414	339.19
103	61312-6	1.9442	126.38	.15588	-3.0716	.12079	519.10
104	61312-7	.29322	110.82	-.16162	-2.5099	-.41308	548.22
105	61260-1	-.47415	58.191	.16668	-3.4492	-.02104	29.215
106	61312-8	-1.5453	144.16	.10417	-4.1941	.55745	674.32
107	CCV	5081.7	2522.8	499.67	5087.3	5031.7	2542.0
108	CCB	2.0050	.17448	.30552	2.8374	.65663	.12493
109	RL	54.261	10.494	10.122	30.684	10.278	22.902
110	ICSA	3.3627	2.6209	1.5904	.06690	2.1464	5.8535
111	ICSAB	1004.0	2.6036	1.9300	102.47	517.67	1010.4
112	CCV	5103.3	2528.2	500.31	5117.6	5040.4	2555.9
113	CCB	.76134	.17059	.20267	4.0647	1.0789	.17318

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
1	HIGH STD 00034	998.54	993.47	9896.7	9950.8	1023.27
2	ICVP 00190	978.99	982.73	1005.3	1003.1	1033.14
3	ICB	-.75388	.17037	2.6209	2.9003	1033.68
4	RL ICP 00045	12.774	7.8839	28.335	24.044	1035.17
5	RL ICP 00045	12.794	7.1378	25.718	23.356	1044.11
6	RL ICP 00045	12.546	9.6581	25.517	23.240	1030.15
7	ICSA61 00022	52.334	-27.475	.99778	-2.3549	959.525
8	ICSAB61 00038	101.06	18.690	56.529	54.688	949.701

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
9	CCVP 00072	501.65	507.16	5020.2	5080.7	1030.7
10	CCB	-.77962	-.84006	-2.5123	6.6793	1042.76
11	VOA WATER	2.4480	.24234	8.5272	-2.5334	1049
12	SHIPPING	7.2512	-1.0004	3.2293	3.5647	1052.95
13	PBW 180784	1.0117	.72425	.77584	5.5014	1024.31
14	LCSS-1	523.95	523.69	2083.6	2106.6	1029.64
15	61464-1	51.686	35.196	4.6216	9.0468	1061.12
16	61464-2	34.228	20.924	2.0582	4.1309	1063.63
17	61464-3	44.716	30.972	-.40027	6.3778	1079.88
18	61464-4	38.086	23.827	1.4330	5.4871	1058.33
19	61464-5	42.090	29.102	1.9919	3.3039	1066.26
20	61464-6	85.381	68.615	-5.8227	1.0180	1069.69
21	CCV	504.44	511.52	5016.6	5169.2	1051.63
22	CCB	1.0427	.30531	2.0597	3.2826	1057.29
23	61464-7	81.944	63.931	.72159	4.5298	1074.12
24	61464-8	78.497	64.403	5.6869	4.1467	1077.42
25	61464-9	44.813	33.579	2.1406	4.8676	1067.56
26	61464-9L	7.1688	6.8913	1.7835	8.3042	1048.02
27	61464-9A	522.89	529.99	1935.9	2007.9	1063.7
28	61464-9S	571.00	565.47	2048.3	2116.1	1057.59
29	61464-9SD	567.73	563.67	2056.2	2120.6	1039
30	61464-10	77.208	58.946	8.2258	8.1999	1116.29
31	61464-11	29.446	16.075	-5.0046	5.5718	1064.2
32	61449-4	16.540	-4.3533	12.294	9.5903	1003.26
33	CCV	522.62	526.52	5158.1	5321.8	1040.4
34	CCB	3.8333	-.59267	8.1630	4.2332	1053.47
35	RL ICP	11.147	11.492	22.377	27.133	1031.63
36	ICSA61	73.433	-40.477	-2.0655	3.6118	954.145
37	ICSAB61	119.87	13.702	59.065	56.386	967.733
38	CCV	517.08	523.35	5169.9	5291.6	1046.28
39	CCB	3.8834	-2.9274	5.5154	5.0296	1042.69
40	PBW 180580	-.27426	.58913	-.47191	1.0890	1060.32
41	LCSW-1	511.33	512.22	2088.9	2122.4	1060.04
42	LCSW-1 (RL)	7.7941	14.030	24.805	27.455	1052.22
43	61229-1	-.12892	.36473	9.1202	7.3401	1053.34
44	61229-3	3.9939	-.72047	9.6766	3.5200	1033.26
45	61229-3 1/5	3.0844	-.99085	5.8752	4.2960	1039.47
46	61333-1	1.7981	-.59583	11.323	7.3084	1026.37
47	61333-1S	519.09	519.21	1764.5	1788.2	1038.45
48	61333-1SD	516.53	524.54	1750.2	1774.5	1037.59
49	61333-2	-.59914	.74876	5.9404	9.7733	1033.1
50	CCV	523.18	529.00	5243.4	5313.9	1016.87
51	CCB	2.8676	-2.6147	6.9810	5.6031	1035.43
52	61333-1 1/5	.97529	-2.1187	5.0926	1.5234	1041.82
53	61333-1S 1/5	55.336	52.056	177.13	180.54	1041.29
54	61333-1SD 1/5	63.854	53.282	192.57	188.94	1036.57
55	61333-2 1/5	.90466	.27615	.75827	3.7323	1034.62
56	61367-17 1/5	7.9948	-3.5048	4.9850	3.9065	1105.44
57	CCV	524.87	525.68	5236.5	5305.4	1029.66
58	CCB	3.9256	-.66220	6.1529	3.3298	1029.12
59	PBW 180656	4.3932	-1.8624	1.9168	.16657	1027.53
60	LCSW-1	528.87	524.12	2101.1	2119.2	1014.35
61	61408-1 1/10	.33094	-1.4711	1.1776	4.7894	1031.05
62	61408-3 1/10	4.5263	-1.1071	2.7382	3.1334	1028.93

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
63	61408-5 1/10	2.0799	1.4761	.47657	4.1299	1020.43
64	61408-7 1/10	-.38167	1.6493	-3.9748	.00968	1021.98
65	61408-9	9.4154	-1.5686	5.1835	3.6618	1019.27
66	61241-19	80072.	80400.	7.7273	3.5247	1005.65
67	61241-19 1/10	7825.2	7856.2	1.9540	4.6560	1031.68
68	61417-1	332.78	328.54	1.9242	3.4920	1013.39
69	CCV	516.75	519.89	5219.5	5204.8	1019.23
70	CCB	7.3051	-4.1903	12.196	4.9248	1021.73
71	61417-1L	68.460	61.694	2.4564	2.1506	1032.02
72	61417-1A	838.34	822.64	2080.0	2072.7	1010.34
73	61417-1S	893.62	875.30	2097.4	2092.0	1007.78
74	61417-1SD	902.01	893.59	2164.4	2165.0	1015.75
75	CCV	518.32	519.42	5201.2	5217.4	1020.67
76	CCB	2.4842	.00811	2.6225	10.946	1018.7
77	PBW (180683) 180953	1.6609	1.8444	1.5665	6.5084	1019.78
78	PBW (180770)	3.4706	-1.7283	4.6943	5.6888	1012.11
79	PBW (180631)	2.5662	-.13783	1.7500	2.1257	990.017
80	PBW (180509)	1.8661	-1.1005	5.1715	6.1758	995.971
81	LCSW-1	542.20	537.02	2186.5	2177.5	1005.5
82	LCSW-2	544.75	543.42	2195.1	2189.1	1010.11
83	61418-1	3.7991	3.1610	-3.9959	5.1010	1001.56
84	61419-8	1.1406	.34597	.62941	5.1587	992.936
85	61419-8L	-1.6438	2.2615	.27168	2.1466	1000.5
86	CCV	513.40	517.37	5167.5	5166.8	1014.98
87	CCB	2.7732	-1.7449	6.4458	5.6370	1019.32
88	61419-8A	523.01	516.76	2113.3	2101.8	1000.63
89	61419-9	3.7748	.05517	-2.6881	-1.3237	1006.57
90	60742-3	1.8870	4.6288	2.6044	2.1378	1009.08
91	60742-3S	539.32	533.42	2154.6	2152.9	1003.9
92	60742-3SD	530.25	538.81	2147.5	2145.6	1005.48
93	60742-2	5.6789	.42426	2.4301	.40795	1007.89
94	61239-16	653.38	657.10	1.8269	-.34585	996.237
95	61241-27	157.25	152.33	-.09492	5.6207	1007.94
96	61312-1	114.94	118.44	-2.5895	1.2885	1002.24
97	61312-2	237.28	232.02	2.2172	5.7855	1000.91
98	CCV	523.49	518.22	5197.9	5210.8	1013.31
99	CCB	2.7424	-.11769	1.9001	5.9177	1014.35
100	61312-3	181.42	177.05	2.0382	3.8293	1016.65
101	61312-4	95.840	90.939	1.0570	-.69965	1013.89
102	61312-5	55.326	52.913	3.8608	1.6241	1012.26
103	61312-6	34.920	32.979	1.7396	.23741	1017.84
104	61312-7	58.361	61.064	-1.4350	1.4430	1013.95
105	61260-1	3.0493	1.6603	1.7027	4.2200	1008.46
106	61312-8	36.940	36.264	2.8166	2.6607	1011.36
107	CCV	512.75	508.99	5109.8	5103.0	1022.16
108	CCB	1.4721	1.7067	-.30844	1.9678	1026.52
109	RL	12.235	8.1705	24.840	23.149	1024.75
110	ICSA	56.229	-30.434	6.1935	7.5144	957.499
111	ICSAB	113.30	14.709	63.379	53.207	956.827
112	CCV	511.65	514.55	5137.3	5140.8	1029.06
113	CCB	4.4053	-1.6263	8.5246	3.5561	1032.14

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
HIGH STD 00034	Ag	996.35510	997.15447	995.55572	0.11346	ug/L	09/24/10	14:01	
HIGH STD 00034	Al	9943.17675	9955.82226	9930.53125	0.17985	ug/L	09/24/10	14:01	
HIGH STD 00034	2Al	9.94271	9.95545	9.92998	0.18116	mg/L	09/24/10	14:01	
HIGH STD 00034	As	1002.48016	998.50250	1006.45782	0.56113	ug/L	09/24/10	14:01	
HIGH STD 00034	B	9997.46582	9989.25683	10005.67480	0.11612	ug/L	09/24/10	14:01	
HIGH STD 00034	Ba	9981.00390	9983.29101	9978.71582	0.03241	ug/L	09/24/10	14:01	
HIGH STD 00034	Be	997.50598	997.40570	997.60626	0.01421	ug/L	09/24/10	14:01	
HIGH STD 00034	Ca	9956.20312	9953.53710	9958.87011	0.03787	ug/L	09/24/10	14:01	
HIGH STD 00034	Cd	994.58380	997.08380	992.08380	0.35547	ug/L	09/24/10	14:01	
HIGH STD 00034	Co	995.10729	995.33306	994.88146	0.03208	ug/L	09/24/10	14:01	
HIGH STD 00034	Cr	9972.32812	9966.64648	9978.01074	0.08058	ug/L	09/24/10	14:01	
HIGH STD 00034	Cu	9964.40625	9967.64062	9961.17285	0.04589	ug/L	09/24/10	14:01	
HIGH STD 00034	Fe	9956.73437	9954.81542	9958.65234	0.02724	ug/L	09/24/10	14:01	
HIGH STD 00034	2Fe	9.95625	9.95481	9.95769	0.02046	mg/L	09/24/10	14:01	
HIGH STD 00034	K	19947.35546	20013.21484	19881.49609	0.46692	ug/L	09/24/10	14:01	
HIGH STD 00034	Mg	9948.87890	9942.66601	9955.09179	0.08831	ug/L	09/24/10	14:01	
HIGH STD 00034	2Mg	9.94889	9.94268	9.95510	0.08827	mg/L	09/24/10	14:01	
HIGH STD 00034	Mn	9986.58593	9988.86523	9984.30664	0.03227	ug/L	09/24/10	14:01	
HIGH STD 00034	Mo	998.34362	998.28094	998.40631	0.00887	ug/L	09/24/10	14:01	
HIGH STD 00034	Na	15071.22363	15116.79492	15025.65234	0.42761	ug/L	09/24/10	14:01	
HIGH STD 00034	Ni	4977.09667	4976.28564	4977.90722	0.02303	ug/L	09/24/10	14:01	
HIGH STD 00034	Pb	995.16290	997.41192	992.91387	0.31960	ug/L	09/24/10	14:01	
HIGH STD 00034	Se	9932.76660	9950.08300	9915.45019	0.24654	ug/L	09/24/10	14:01	
HIGH STD 00034	Sb	997.81433	1000.64758	994.98107	0.40156	ug/L	09/24/10	14:01	
HIGH STD 00034	Sn	9961.01367	9960.83105	9961.19726	0.00259	ug/L	09/24/10	14:01	
HIGH STD 00034	Sr	4972.71191	4964.32666	4981.09765	0.23847	ug/L	09/24/10	14:01	
HIGH STD 00034	Ti	996.78552	996.31018	997.26092	0.06744	ug/L	09/24/10	14:01	
HIGH STD 00034	Tl	9979.05859	9968.77636	9989.34179	0.14572	ug/L	09/24/10	14:01	
HIGH STD 00034	V	9964.41503	9971.30468	9957.52539	0.09778	ug/L	09/24/10	14:01	
HIGH STD 00034	Zn	4965.43945	4966.19335	4964.68505	0.02147	ug/L	09/24/10	14:01	
HIGH STD 00034	2203/1	998.54101	1002.07116	995.01080	0.49997	ug/L	09/24/10	14:01	
HIGH STD 00034	2203/2	993.46765	995.07702	991.85821	0.22910	ug/L	09/24/10	14:01	
HIGH STD 00034	1960/1	9896.68066	9899.03222	9894.32910	0.03360	ug/L	09/24/10	14:01	
HIGH STD 00034	1960/2	9950.78320	9975.57031	9925.99511	0.35228	ug/L	09/24/10	14:01	
HIGH STD 00034	Y	1023.27404	1022.49700	1024.05102	0.10738		09/24/10	14:01	
ICVP 00190	Ag	970.11145	970.40563	969.81732	0.04288	ug/L	09/24/10	14:13	
ICVP 00190	Al	988.75775	985.77337	991.74212	0.42685	ug/L	09/24/10	14:13	
ICVP 00190	2Al	0.98879	0.98580	0.99177	0.42685	mg/L	09/24/10	14:13	
ICVP 00190	As	1013.28948	1013.20684	1013.37213	0.01153	ug/L	09/24/10	14:13	
ICVP 00190	B	1000.00244	1000.25848	999.74639	0.03620	ug/L	09/24/10	14:13	
ICVP 00190	Ba	1002.56787	1002.38940	1002.74627	0.02517	ug/L	09/24/10	14:13	
ICVP 00190	Be	989.77734	990.40203	989.15264	0.08925	ug/L	09/24/10	14:13	
ICVP 00190	Ca	989.02160	989.12139	988.92175	0.01427	ug/L	09/24/10	14:13	
ICVP 00190	Cd	999.59790	999.65643	999.53942	0.00827	ug/L	09/24/10	14:13	
ICVP 00190	Co	993.17370	994.31597	992.03137	0.16265	ug/L	09/24/10	14:13	
ICVP 00190	Cr	1008.30395	1009.45178	1007.15612	0.16099	ug/L	09/24/10	14:13	
ICVP 00190	Cu	1003.48071	1005.21252	1001.74896	0.24406	ug/L	09/24/10	14:13	
ICVP 00190	Fe	988.47741	988.49993	988.45495	0.00321	ug/L	09/24/10	14:13	
ICVP 00190	2Fe	0.98876	0.98878	0.98874	0.00328	mg/L	09/24/10	14:13	
ICVP 00190	K	19319.26562	19274.27148	19364.25976	0.32936	ug/L	09/24/10	14:13	
ICVP 00190	Mg	997.62951	996.83306	998.42602	0.11290	ug/L	09/24/10	14:13	
ICVP 00190	2Mg	0.99763	0.99683	0.99842	0.11277	mg/L	09/24/10	14:13	
ICVP 00190	Mn	1004.24133	1005.65704	1002.82562	0.19936	ug/L	09/24/10	14:13	
ICVP 00190	Mo	1003.53631	1003.68627	1003.38635	0.02113	ug/L	09/24/10	14:13	
ICVP 00190	Na	9654.21972	9461.55761	9846.88183	2.82224	ug/L	09/24/10	14:13	
ICVP 00190	Ni	999.01867	1000.15704	997.88037	0.16114	ug/L	09/24/10	14:13	
ICVP 00190	Pb	981.48132	983.36358	979.59906	0.27121	ug/L	09/24/10	14:13	
ICVP 00190	Se	1003.84234	1006.52526	1001.15942	0.37797	ug/L	09/24/10	14:13	
ICVP 00190	Sb	961.89013	963.32684	960.45336	0.21123	ug/L	09/24/10	14:13	
ICVP 00190	Sn	1004.21655	1003.10955	1005.32354	0.15589	ug/L	09/24/10	14:13	
ICVP 00190	Sr	1023.05798	1021.60467	1024.51135	0.20090	ug/L	09/24/10	14:13	
ICVP 00190	Ti	970.55853	971.05224	970.06481	0.07193	ug/L	09/24/10	14:13	
ICVP 00190	Tl	989.39874	987.21252	991.58496	0.31249	ug/L	09/24/10	14:13	
ICVP 00190	V	982.98266	984.20410	981.76116	0.17573	ug/L	09/24/10	14:13	
ICVP 00190	Zn	1000.83892	1002.19494	999.48291	0.19160	ug/L	09/24/10	14:13	
ICVP 00190	2203/1	978.98925	975.13183	982.84667	0.55722	ug/L	09/24/10	14:13	
ICVP 00190	2203/2	982.72552	987.47332	977.97772	0.68324	ug/L	09/24/10	14:13	
ICVP 00190	1960/1	1005.30560	1004.95874	1005.65246	0.04879	ug/L	09/24/10	14:13	
ICVP 00190	1960/2	1003.11181	1007.30731	998.91632	0.59149	ug/L	09/24/10	14:13	
ICVP 00190	Y	1033.14050	1033.98400	1032.29699	0.11546		09/24/10	14:13	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICB	Ag	-1.20210	-1.16039	-1.24380	4.90622	ug/L	09/24/10	14:21	
ICB	Al	0.69750	2.18621	-0.79120	301.83966	ug/L	09/24/10	14:21	
ICB	2Al	0.00069	0.00218	-0.00079	301.83837	mg/L	09/24/10	14:21	
ICB	As	-1.36049	1.31512	-4.03611	278.12710	ug/L	09/24/10	14:21	
ICB	B	3.74383	5.41010	2.07755	62.94269	ug/L	09/24/10	14:21	
ICB	Ba	-0.09031	-0.16459	-0.01602	116.32696	ug/L	09/24/10	14:21	
ICB	Be	-0.01524	-0.04281	0.01231	255.61085	ug/L	09/24/10	14:21	
ICB	Ca	-1.86731	-2.33213	-1.40250	35.20266	ug/L	09/24/10	14:21	
ICB	Cd	-0.02084	-0.03627	-0.00542	104.62311	ug/L	09/24/10	14:21	
ICB	Co	-0.90518	-0.92779	-0.88257	3.53253	ug/L	09/24/10	14:21	
ICB	Cr	-0.63897	-0.47216	-0.80578	36.91971	ug/L	09/24/10	14:21	
ICB	Cu	-1.08782	-0.48153	-1.69410	78.81958	ug/L	09/24/10	14:21	
ICB	Fe	-6.18853	-12.79336	0.41628	150.93438	ug/L	09/24/10	14:21	
ICB	2Fe	-0.00618	-0.01279	0.00041	150.92788	mg/L	09/24/10	14:21	
ICB	K	-19.86052	-28.90377	-10.81727	64.39452	ug/L	09/24/10	14:21	
ICB	Mg	-4.92444	-3.69116	-6.15773	35.41780	ug/L	09/24/10	14:21	
ICB	2Mg	-0.00492	-0.00368	-0.00615	35.45946	mg/L	09/24/10	14:21	
ICB	Mn	-0.08287	-0.02741	-0.13832	94.62949	ug/L	09/24/10	14:21	
ICB	Mo	0.59153	0.84170	0.34136	59.80968	ug/L	09/24/10	14:21	
ICB	Na	-28.08760	-247.63523	191.46003	1105.42456	ug/L	09/24/10	14:21	
ICB	Ni	-1.22850	-1.29884	-1.15816	8.09717	ug/L	09/24/10	14:21	
ICB	Pb	-0.13740	-2.04732	1.77251	1965.71459	ug/L	09/24/10	14:21	
ICB	Se	2.80724	0.27655	5.33794	127.48949	ug/L	09/24/10	14:21	
ICB	Sb	-2.78972	-3.29828	-2.28117	25.78040	ug/L	09/24/10	14:21	
ICB	Sn	1.76957	-1.81213	5.35128	286.24404	ug/L	09/24/10	14:21	
ICB	Sr	-0.06202	-0.02379	-0.10025	87.16208	ug/L	09/24/10	14:21	
ICB	Ti	0.02459	0.13709	-0.08789	646.73468	ug/L	09/24/10	14:21	
ICB	Tl	0.11205	-1.62088	1.84498	2187.09155	ug/L	09/24/10	14:21	
ICB	V	-0.16098	-0.45139	0.12942	255.12542	ug/L	09/24/10	14:21	
ICB	Zn	-0.45199	-0.30219	-0.60178	46.86908	ug/L	09/24/10	14:21	
ICB	2203/1	-0.75388	-4.06613	2.55836	621.34423	ug/L	09/24/10	14:21	
ICB	2203/2	0.17037	-1.03943	1.38017	1004.23309	ug/L	09/24/10	14:21	
ICB	1960/1	2.62089	-1.64877	6.89056	230.38766	ug/L	09/24/10	14:21	
ICB	1960/2	2.90028	1.23776	4.56279	81.06626	ug/L	09/24/10	14:21	
ICB	Y	1033.67944	1033.49401	1033.86499	0.02537		09/24/10	14:21	
RL ICP 00045	Ag	9.29069	9.35368	9.22770	0.95876	ug/L	09/24/10	14:28	
RL ICP 00045	Al	209.93315	207.78392	212.08238	1.44782	ug/L	09/24/10	14:28	
RL ICP 00045	2Al	0.20994	0.20779	0.21209	1.44782	mg/L	09/24/10	14:28	
RL ICP 00045	As	20.23333	20.96202	19.50465	5.09318	ug/L	09/24/10	14:28	
RL ICP 00045	B	104.60941	105.55556	103.66326	1.27910	ug/L	09/24/10	14:28	
RL ICP 00045	Ba	10.25667	10.29701	10.21633	0.55620	ug/L	09/24/10	14:28	
RL ICP 00045	Be	4.00018	3.99426	4.00611	0.20944	ug/L	09/24/10	14:28	
RL ICP 00045	Ca	501.46643	502.43179	500.50106	0.27224	ug/L	09/24/10	14:28	
RL ICP 00045	Cd	5.18144	5.22944	5.13343	1.31022	ug/L	09/24/10	14:28	
RL ICP 00045	Co	9.98776	9.90927	10.06625	1.11133	ug/L	09/24/10	14:28	
RL ICP 00045	Cr	9.64858	9.03210	10.26505	9.03582	ug/L	09/24/10	14:28	
RL ICP 00045	Cu	20.57597	20.19946	20.95248	2.58779	ug/L	09/24/10	14:28	
RL ICP 00045	Fe	45.92652	38.39185	53.46118	23.20145	ug/L	09/24/10	14:28	
RL ICP 00045	2Fe	0.04592	0.03839	0.05345	23.19958	mg/L	09/24/10	14:28	
RL ICP 00045	K	996.62512	984.19421	1009.05603	1.76394	ug/L	09/24/10	14:28	
RL ICP 00045	Mg	500.84902	499.63412	502.06393	0.34304	ug/L	09/24/10	14:28	
RL ICP 00045	2Mg	0.50070	0.49949	0.50191	0.34268	mg/L	09/24/10	14:28	
RL ICP 00045	Mn	10.07860	10.01348	10.14371	0.91366	ug/L	09/24/10	14:28	
RL ICP 00045	Mo	10.01568	10.39060	9.64075	5.29395	ug/L	09/24/10	14:28	
RL ICP 00045	Na	881.17132	826.36846	935.97418	8.79544	ug/L	09/24/10	14:28	
RL ICP 00045	Ni	40.72229	40.83992	40.60466	0.40850	ug/L	09/24/10	14:28	
RL ICP 00045	Pb	9.51232	8.74467	10.27997	11.41278	ug/L	09/24/10	14:28	
RL ICP 00045	Se	25.47300	26.82388	24.12212	7.49983	ug/L	09/24/10	14:28	
RL ICP 00045	Sb	23.42621	23.50307	23.34934	0.46404	ug/L	09/24/10	14:28	
RL ICP 00045	Sn	51.00553	49.97296	52.03812	2.86299	ug/L	09/24/10	14:28	
RL ICP 00045	Sr	10.57052	10.62676	10.51428	0.75236	ug/L	09/24/10	14:28	
RL ICP 00045	Ti	9.88336	9.84628	9.92043	0.53052	ug/L	09/24/10	14:28	
RL ICP 00045	Tl	25.43523	25.79379	25.07667	1.99361	ug/L	09/24/10	14:28	
RL ICP 00045	V	9.99056	9.45047	10.53066	7.64527	ug/L	09/24/10	14:28	
RL ICP 00045	Zn	21.25047	21.12596	21.37498	0.82861	ug/L	09/24/10	14:28	
RL ICP 00045	2203/1	12.77405	13.05205	12.49606	3.07769	ug/L	09/24/10	14:28	
RL ICP 00045	2203/2	7.88390	6.59421	9.17359	23.13445	ug/L	09/24/10	14:28	
RL ICP 00045	1960/1	28.33544	28.80314	27.86775	2.33426	ug/L	09/24/10	14:28	
RL ICP 00045	1960/2	24.04389	25.83571	22.25209	10.53906	ug/L	09/24/10	14:28	
RL ICP 00045	Y	1035.16699	1035.12500	1035.20898	0.00573		09/24/10	14:28	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP 00045	Ag	9.78375	9.87576	9.69174	1.33001	ug/L	09/24/10	14:36	
RL ICP 00045	Al	212.91708	211.49436	214.33978	0.94497	ug/L	09/24/10	14:36	
RL ICP 00045	2Al	0.21292	0.21150	0.21434	0.94497	mg/L	09/24/10	14:36	
RL ICP 00045	As	17.75391	17.40969	18.09812	2.74186	ug/L	09/24/10	14:36	
RL ICP 00045	B	102.96035	102.39656	103.52414	0.77439	ug/L	09/24/10	14:36	
RL ICP 00045	Ba	10.13534	10.05643	10.21426	1.10113	ug/L	09/24/10	14:36	
RL ICP 00045	Be	3.97127	3.96261	3.97993	0.30842	ug/L	09/24/10	14:36	
RL ICP 00045	Ca	500.98559	502.07083	499.90036	0.30634	ug/L	09/24/10	14:36	
RL ICP 00045	Cd	5.30696	5.33704	5.27688	0.80153	ug/L	09/24/10	14:36	
RL ICP 00045	Co	9.87719	9.57769	10.17669	4.28823	ug/L	09/24/10	14:36	
RL ICP 00045	Cr	9.82787	9.84018	9.81556	0.17711	ug/L	09/24/10	14:36	
RL ICP 00045	Cu	20.91285	20.54620	21.27950	2.47942	ug/L	09/24/10	14:36	
RL ICP 00045	Fe	44.51841	39.09793	49.93889	17.21920	ug/L	09/24/10	14:36	
RL ICP 00045	2Fe	0.04451	0.03909	0.04993	17.21775	mg/L	09/24/10	14:36	
RL ICP 00045	K	1000.24194	1008.65466	991.82916	1.18945	ug/L	09/24/10	14:36	
RL ICP 00045	Mg	501.45703	499.20648	503.70758	0.63470	ug/L	09/24/10	14:36	
RL ICP 00045	2Mg	0.50131	0.49906	0.50356	0.63441	mg/L	09/24/10	14:36	
RL ICP 00045	Mn	10.06612	10.13511	9.99713	0.96926	ug/L	09/24/10	14:36	
RL ICP 00045	Mo	10.33010	10.08137	10.57884	3.40524	ug/L	09/24/10	14:36	
RL ICP 00045	Na	1145.08459	1161.99523	1128.17395	2.08851	ug/L	09/24/10	14:36	
RL ICP 00045	Ni	40.97808	40.89929	41.05687	0.27191	ug/L	09/24/10	14:36	
RL ICP 00045	Pb	9.02116	10.17315	7.86918	18.05918	ug/L	09/24/10	14:36	
RL ICP 00045	Se	24.14241	25.27053	23.01428	6.60833	ug/L	09/24/10	14:36	
RL ICP 00045	Sb	23.01492	21.20483	24.82501	11.12257	ug/L	09/24/10	14:36	
RL ICP 00045	Sn	52.01237	51.16510	52.85965	2.30374	ug/L	09/24/10	14:36	
RL ICP 00045	Sr	10.47405	10.47760	10.47051	0.04788	ug/L	09/24/10	14:36	
RL ICP 00045	Ti	9.81132	9.75443	9.86822	0.82008	ug/L	09/24/10	14:36	
RL ICP 00045	Tl	25.63238	28.57551	22.68925	16.23811	ug/L	09/24/10	14:36	
RL ICP 00045	V	10.01952	10.51307	9.52598	6.96617	ug/L	09/24/10	14:36	
RL ICP 00045	Zn	21.26506	21.25172	21.27841	0.08874	ug/L	09/24/10	14:36	
RL ICP 00045	2203/1	12.79364	13.68673	11.90056	9.87219	ug/L	09/24/10	14:36	
RL ICP 00045	2203/2	7.13775	8.41899	5.85651	25.38534	ug/L	09/24/10	14:36	
RL ICP 00045	1960/1	25.71768	26.13232	25.30305	2.28007	ug/L	09/24/10	14:36	
RL ICP 00045	1960/2	23.35593	24.84026	21.87159	8.98773	ug/L	09/24/10	14:36	
RL ICP 00045	Y	1044.10595	1041.14501	1047.06701	0.40105		09/24/10	14:36	
RL ICP 00045	Ag	10.47163	10.52824	10.41502	0.76453	ug/L	09/24/10	14:44	
RL ICP 00045	Al	217.90072	217.58929	218.21215	0.20212	ug/L	09/24/10	14:44	
RL ICP 00045	2Al	0.21791	0.21759	0.21822	0.20213	mg/L	09/24/10	14:44	
RL ICP 00045	As	18.67254	18.02114	19.32394	4.93357	ug/L	09/24/10	14:44	
RL ICP 00045	B	104.46231	104.53405	104.39057	0.09712	ug/L	09/24/10	14:44	
RL ICP 00045	Ba	10.24889	10.36358	10.13419	1.58264	ug/L	09/24/10	14:44	
RL ICP 00045	Be	4.01971	4.02699	4.01243	0.25611	ug/L	09/24/10	14:44	
RL ICP 00045	Ca	507.93066	508.09628	507.76507	0.04610	ug/L	09/24/10	14:44	
RL ICP 00045	Cd	5.30451	5.50184	5.10718	5.26093	ug/L	09/24/10	14:44	
RL ICP 00045	Co	10.15298	10.13526	10.17070	0.24680	ug/L	09/24/10	14:44	
RL ICP 00045	Cr	10.31678	10.67939	9.95418	4.97059	ug/L	09/24/10	14:44	
RL ICP 00045	Cu	21.15607	21.23077	21.08137	0.49934	ug/L	09/24/10	14:44	
RL ICP 00045	Fe	58.01430	67.91517	48.11344	24.13532	ug/L	09/24/10	14:44	
RL ICP 00045	2Fe	0.05801	0.06791	0.04811	24.13354	mg/L	09/24/10	14:44	
RL ICP 00045	K	1012.53051	1032.27380	992.78729	2.75756	ug/L	09/24/10	14:44	
RL ICP 00045	Mg	508.24261	509.20184	507.28335	0.26691	ug/L	09/24/10	14:44	
RL ICP 00045	2Mg	0.50809	0.50905	0.50713	0.26644	mg/L	09/24/10	14:44	
RL ICP 00045	Mn	10.17903	10.25931	10.09874	1.11539	ug/L	09/24/10	14:44	
RL ICP 00045	Mo	10.41033	10.18491	10.63576	3.06226	ug/L	09/24/10	14:44	
RL ICP 00045	Na	968.31756	1050.37109	886.26403	11.98379	ug/L	09/24/10	14:44	
RL ICP 00045	Ni	40.96163	41.38436	40.53889	1.45950	ug/L	09/24/10	14:44	
RL ICP 00045	Pb	10.61985	10.42289	10.81681	2.62285	ug/L	09/24/10	14:44	
RL ICP 00045	Se	23.99834	26.60896	21.38772	15.38428	ug/L	09/24/10	14:44	
RL ICP 00045	Sb	20.97016	24.91915	17.02118	26.63169	ug/L	09/24/10	14:44	
RL ICP 00045	Sn	52.61490	52.51897	52.71083	0.25785	ug/L	09/24/10	14:44	
RL ICP 00045	Sr	10.63390	10.66043	10.60737	0.35283	ug/L	09/24/10	14:44	
RL ICP 00045	Ti	10.05198	10.01837	10.08559	0.47290	ug/L	09/24/10	14:44	
RL ICP 00045	Tl	27.28574	25.65738	28.91410	8.43972	ug/L	09/24/10	14:44	
RL ICP 00045	V	10.60567	10.66933	10.54200	0.84893	ug/L	09/24/10	14:44	
RL ICP 00045	Zn	21.63084	21.66927	21.59241	0.25125	ug/L	09/24/10	14:44	
RL ICP 00045	2203/1	12.54612	10.28184	14.81039	25.52320	ug/L	09/24/10	14:44	
RL ICP 00045	2203/2	9.65815	10.49330	8.82301	12.22881	ug/L	09/24/10	14:44	
RL ICP 00045	1960/1	25.51676	26.73987	24.29364	6.77886	ug/L	09/24/10	14:44	
RL ICP 00045	1960/2	23.24024	26.54357	19.93691	20.10139	ug/L	09/24/10	14:44	
RL ICP 00045	Y	1030.14794	1030.72204	1029.57397	0.07880		09/24/10	14:44	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSA61 00022	Ag	-0.85114	-0.42368	-1.27861	71.02428	ug/L	09/24/10	14:48	
ICSA61 00022	Al	535814.25000	534840.37500	536788.06250	0.25703	ug/L	09/24/10	14:48	
ICSA61 00022	2Al	535.82910	534.86358	536.79455	0.25482	mg/L	09/24/10	14:48	
ICSA61 00022	As	-2.65040	-1.91781	-3.38299	39.08997	ug/L	09/24/10	14:48	
ICSA61 00022	B	14.43368	15.21353	13.65383	7.64096	ug/L	09/24/10	14:48	
ICSA61 00022	Ba	1.29379	1.33267	1.25492	4.24945	ug/L	09/24/10	14:48	
ICSA61 00022	Be	0.14583	0.16131	0.13035	15.01430	ug/L	09/24/10	14:48	
ICSA61 00022	Ca	548695.12500	548249.87500	549140.31250	0.11475	ug/L	09/24/10	14:48	
ICSA61 00022	Cd	2.05235	2.11622	1.98848	4.40093	ug/L	09/24/10	14:48	
ICSA61 00022	Co	0.94926	1.47391	0.42461	78.16287	ug/L	09/24/10	14:48	
ICSA61 00022	Cr	2.21385	2.75754	1.67015	34.73141	ug/L	09/24/10	14:48	
ICSA61 00022	Cu	3.14952	3.49667	2.80237	15.58775	ug/L	09/24/10	14:48	
ICSA61 00022	Fe	195992.50000	195918.95312	196066.03125	0.05306	ug/L	09/24/10	14:48	
ICSA61 00022	2Fe	195.96459	195.89411	196.03509	0.05086	mg/L	09/24/10	14:48	
ICSA61 00022	K	34.58672	60.30477	8.86867	105.15830	ug/L	09/24/10	14:48	
ICSA61 00022	Mg	532471.68750	531974.31250	532969.06250	0.13209	ug/L	09/24/10	14:48	
ICSA61 00022	2Mg	532.27764	531.78973	532.76556	0.12963	mg/L	09/24/10	14:48	
ICSA61 00022	Mn	-0.91096	-0.93095	-0.89097	3.10302	ug/L	09/24/10	14:48	
ICSA61 00022	Mo	-0.16294	-2.85653	2.53064	2337.84252	ug/L	09/24/10	14:48	
ICSA61 00022	Na	196.01470	418.27465	-26.24522	160.35685	ug/L	09/24/10	14:48	
ICSA61 00022	Ni	-0.08926	0.79615	-0.97467	1402.83166	ug/L	09/24/10	14:48	
ICSA61 00022	Pb	-0.89834	-3.48326	1.68656	406.92623	ug/L	09/24/10	14:48	
ICSA61 00022	Se	-1.23846	-0.89285	-1.58407	39.46574	ug/L	09/24/10	14:48	
ICSA61 00022	Sb	1.37349	6.16748	-3.42050	493.61352	ug/L	09/24/10	14:48	
ICSA61 00022	Sn	2.06678	3.01553	1.11803	64.91885	ug/L	09/24/10	14:48	
ICSA61 00022	Sr	2.67549	2.68615	2.66483	0.56346	ug/L	09/24/10	14:48	
ICSA61 00022	Ti	2.00046	2.13390	1.86702	9.43344	ug/L	09/24/10	14:48	
ICSA61 00022	Tl	-0.34183	-4.26641	3.58274	1623.65673	ug/L	09/24/10	14:48	
ICSA61 00022	V	1.89590	2.60723	1.18456	53.06067	ug/L	09/24/10	14:48	
ICSA61 00022	Zn	5.54581	5.39456	5.69707	3.85711	ug/L	09/24/10	14:48	
ICSA61 00022	2203/1	52.33396	54.96686	49.70104	7.11487	ug/L	09/24/10	14:48	
ICSA61 00022	2203/2	-27.47459	-32.66451	-22.28468	26.71429	ug/L	09/24/10	14:48	
ICSA61 00022	1960/1	0.99778	3.00492	-1.00934	284.48052	ug/L	09/24/10	14:48	
ICSA61 00022	1960/2	-2.35491	-2.83881	-1.87101	29.06016	ug/L	09/24/10	14:48	
ICSA61 00022	Y	959.52502	957.98504	961.06500	0.22697		09/24/10	14:48	
ICSAB61 00038	Ag	213.53237	214.44169	212.62304	0.60224	ug/L	09/24/10	14:55	
ICSAB61 00038	Al	532448.12500	531952.31250	532943.93750	0.13169	ug/L	09/24/10	14:55	
ICSAB61 00038	2Al	532.45343	531.96185	532.94500	0.13056	mg/L	09/24/10	14:55	
ICSAB61 00038	As	97.45677	97.52619	97.38735	0.10073	ug/L	09/24/10	14:55	
ICSAB61 00038	B	14.17535	13.97813	14.37258	1.96764	ug/L	09/24/10	14:55	
ICSAB61 00038	Ba	546.19787	545.57708	546.81860	0.16072	ug/L	09/24/10	14:55	
ICSAB61 00038	Be	519.61645	520.43078	518.80206	0.22164	ug/L	09/24/10	14:55	
ICSAB61 00038	Ca	544787.50000	545311.00000	544264.00000	0.13589	ug/L	09/24/10	14:55	
ICSAB61 00038	Cd	989.69458	990.91082	988.47839	0.17379	ug/L	09/24/10	14:55	
ICSAB61 00038	Co	486.94094	487.51113	486.37075	0.16559	ug/L	09/24/10	14:55	
ICSAB61 00038	Cr	499.34057	500.76354	497.91763	0.40300	ug/L	09/24/10	14:55	
ICSAB61 00038	Cu	547.80273	549.01855	546.58697	0.31386	ug/L	09/24/10	14:55	
ICSAB61 00038	Fe	195013.81250	195230.32812	194797.31250	0.15700	ug/L	09/24/10	14:55	
ICSAB61 00038	2Fe	194.98263	195.20062	194.76463	0.15811	mg/L	09/24/10	14:55	
ICSAB61 00038	K	24.83612	38.16429	11.50796	75.89295	ug/L	09/24/10	14:55	
ICSAB61 00038	Mg	528626.25000	529480.68750	527771.75000	0.22859	ug/L	09/24/10	14:55	
ICSAB61 00038	2Mg	528.42553	529.28369	527.56732	0.22967	mg/L	09/24/10	14:55	
ICSAB61 00038	Mn	501.13278	501.65954	500.60601	0.14865	ug/L	09/24/10	14:55	
ICSAB61 00038	Mo	1003.60327	1000.58081	1006.62567	0.42590	ug/L	09/24/10	14:55	
ICSAB61 00038	Na	151.59355	271.81710	31.37000	112.15633	ug/L	09/24/10	14:55	
ICSAB61 00038	Ni	968.12969	970.62414	965.63525	0.36438	ug/L	09/24/10	14:55	
ICSAB61 00038	Pb	46.12078	45.58498	46.65658	1.64295	ug/L	09/24/10	14:55	
ICSAB61 00038	Se	55.30123	56.15534	54.44712	2.18421	ug/L	09/24/10	14:55	
ICSAB61 00038	Sb	619.27160	612.49114	626.05200	1.54842	ug/L	09/24/10	14:55	
ICSAB61 00038	Sn	990.16485	993.99401	986.33569	0.54690	ug/L	09/24/10	14:55	
ICSAB61 00038	Sr	2.58507	2.64193	2.52822	3.11046	ug/L	09/24/10	14:55	
ICSAB61 00038	Ti	2.02191	2.05765	1.98617	2.49988	ug/L	09/24/10	14:55	
ICSAB61 00038	Tl	105.16394	103.93679	106.39108	1.65022	ug/L	09/24/10	14:55	
ICSAB61 00038	V	509.69836	509.56277	509.83398	0.03762	ug/L	09/24/10	14:55	
ICSAB61 00038	Zn	988.93298	991.39416	986.47186	0.35195	ug/L	09/24/10	14:55	
ICSAB61 00038	2203/1	101.06439	100.16424	101.96455	1.25960	ug/L	09/24/10	14:55	
ICSAB61 00038	2203/2	18.69016	18.33625	19.04406	2.67785	ug/L	09/24/10	14:55	
ICSAB61 00038	1960/1	56.52921	56.41862	56.63980	0.27666	ug/L	09/24/10	14:55	
ICSAB61 00038	1960/2	54.68817	56.02391	53.35242	3.45417	ug/L	09/24/10	14:55	
ICSAB61 00038	Y	949.70056	946.47705	952.92401	0.48001		09/24/10	14:55	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCVP 00072	Ag	494.08837	494.73648	493.44027	0.18550	ug/L	09/24/10	15:00	
CCVP 00072	Al	4943.54541	4938.71484	4948.37597	0.13818	ug/L	09/24/10	15:00	
CCVP 00072	2Al	4.94345	4.93853	4.94837	0.14079	mg/L	09/24/10	15:00	
CCVP 00072	As	501.11755	498.62960	503.60546	0.70212	ug/L	09/24/10	15:00	
CCVP 00072	B	4994.72705	4985.07666	5004.37744	0.27324	ug/L	09/24/10	15:00	
CCVP 00072	Ba	5008.66748	5010.27783	5007.05712	0.04546	ug/L	09/24/10	15:00	
CCVP 00072	Be	499.78417	500.02688	499.54150	0.06867	ug/L	09/24/10	15:00	
CCVP 00072	Ca	4977.09277	4985.37109	4968.81396	0.23523	ug/L	09/24/10	15:00	
CCVP 00072	Cd	500.33059	501.26965	499.39154	0.26542	ug/L	09/24/10	15:00	
CCVP 00072	Co	497.19738	497.73840	496.65634	0.15388	ug/L	09/24/10	15:00	
CCVP 00072	Cr	4985.05126	4990.13671	4979.96582	0.14426	ug/L	09/24/10	15:00	
CCVP 00072	Cu	4964.26367	4963.23291	4965.29492	0.02937	ug/L	09/24/10	15:00	
CCVP 00072	Fe	4968.08593	5004.46972	4931.70214	1.03569	ug/L	09/24/10	15:00	
CCVP 00072	2Fe	4.96808	5.00446	4.93170	1.03560	mg/L	09/24/10	15:00	
CCVP 00072	K	9917.81542	9996.44042	9839.19042	1.12113	ug/L	09/24/10	15:00	
CCVP 00072	Mg	4969.85546	4979.07421	4960.63671	0.26232	ug/L	09/24/10	15:00	
CCVP 00072	2Mg	4.96986	4.97907	4.96065	0.26210	mg/L	09/24/10	15:00	
CCVP 00072	Mn	4993.50537	4996.59472	4990.41601	0.08749	ug/L	09/24/10	15:00	
CCVP 00072	Mo	501.57653	502.22000	500.93307	0.18142	ug/L	09/24/10	15:00	
CCVP 00072	Na	7408.73876	7603.22167	7214.25585	3.71237	ug/L	09/24/10	15:00	
CCVP 00072	Ni	2495.65356	2500.38989	2490.91723	0.26839	ug/L	09/24/10	15:00	
CCVP 00072	Pb	505.32907	503.90905	506.74908	0.39740	ug/L	09/24/10	15:00	
CCVP 00072	Se	5060.59863	5046.60302	5074.59423	0.39111	ug/L	09/24/10	15:00	
CCVP 00072	Sb	501.93692	505.57723	498.29660	1.02566	ug/L	09/24/10	15:00	
CCVP 00072	Sn	4980.14990	4990.68212	4969.61767	0.29908	ug/L	09/24/10	15:00	
CCVP 00072	Sr	2546.74584	2546.68774	2546.80395	0.00322	ug/L	09/24/10	15:00	
CCVP 00072	Ti	498.04293	498.47134	497.61453	0.12164	ug/L	09/24/10	15:00	
CCVP 00072	Tl	5014.62792	5025.02929	5004.22607	0.29334	ug/L	09/24/10	15:00	
CCVP 00072	V	4958.33691	4965.54199	4951.13134	0.20550	ug/L	09/24/10	15:00	
CCVP 00072	Zn	2495.14892	2500.19433	2490.10375	0.28595	ug/L	09/24/10	15:00	
CCVP 00072	2203/1	501.65222	508.03594	495.26846	1.79964	ug/L	09/24/10	15:00	
CCVP 00072	2203/2	507.16040	501.84429	512.47650	1.48239	ug/L	09/24/10	15:00	
CCVP 00072	1960/1	5020.24853	5009.49365	5031.00341	0.30296	ug/L	09/24/10	15:00	
CCVP 00072	1960/2	5080.74316	5065.12988	5096.35693	0.43459	ug/L	09/24/10	15:00	
CCVP 00072	Y	1030.69750	1032.40197	1028.99304	0.23386		09/24/10	15:00	
CCB	Ag	-0.80533	-0.90893	-0.70173	18.19247	ug/L	09/24/10	15:10	
CCB	Al	12.47672	17.52260	7.43084	57.19412	ug/L	09/24/10	15:10	
CCB	2Al	0.01247	0.01752	0.00743	57.19412	mg/L	09/24/10	15:10	
CCB	As	-1.05411	-2.52885	0.42061	197.85166	ug/L	09/24/10	15:10	
CCB	B	3.91580	4.95946	2.87214	37.69235	ug/L	09/24/10	15:10	
CCB	Ba	0.21669	0.14349	0.28988	47.76985	ug/L	09/24/10	15:10	
CCB	Be	0.01444	-0.00251	0.03139	166.01834	ug/L	09/24/10	15:10	
CCB	Ca	0.08169	-0.71871	0.88209	1385.62219	ug/L	09/24/10	15:10	
CCB	Cd	0.17994	0.05002	0.30987	102.10704	ug/L	09/24/10	15:10	
CCB	Co	-0.05120	-0.08597	-0.01643	96.03791	ug/L	09/24/10	15:10	
CCB	Cr	0.09278	0.29254	-0.10698	304.49224	ug/L	09/24/10	15:10	
CCB	Cu	-0.20314	0.37518	-0.78147	402.61129	ug/L	09/24/10	15:10	
CCB	Fe	-1.15467	-16.55490	14.24556	1886.18334	ug/L	09/24/10	15:10	
CCB	2Fe	-0.00115	-0.01655	0.01424	1886.27099	mg/L	09/24/10	15:10	
CCB	K	25.06474	10.08897	40.04051	84.49694	ug/L	09/24/10	15:10	
CCB	Mg	3.70915	6.16252	1.25577	93.54148	ug/L	09/24/10	15:10	
CCB	2Mg	0.00370	0.00616	0.00125	93.63889	mg/L	09/24/10	15:10	
CCB	Mn	0.08663	0.10231	0.07094	25.60653	ug/L	09/24/10	15:10	
CCB	Mo	0.45921	-0.15861	1.07705	190.26977	ug/L	09/24/10	15:10	
CCB	Na	243.77493	190.20780	297.34204	31.07593	ug/L	09/24/10	15:10	
CCB	Ni	-0.14039	-0.43539	0.15460	297.16418	ug/L	09/24/10	15:10	
CCB	Pb	-0.81993	-0.96046	-0.67940	24.23882	ug/L	09/24/10	15:10	
CCB	Se	3.61848	1.99210	5.24486	63.56397	ug/L	09/24/10	15:10	
CCB	Sb	4.89498	3.90564	5.88431	28.58297	ug/L	09/24/10	15:10	
CCB	Sn	2.38541	2.29874	2.47208	5.13835	ug/L	09/24/10	15:10	
CCB	Sr	0.06670	0.08736	0.04604	43.79902	ug/L	09/24/10	15:10	
CCB	Ti	0.04662	0.10137	-0.00813	166.08955	ug/L	09/24/10	15:10	
CCB	Tl	0.45383	0.84950	0.05817	123.29412	ug/L	09/24/10	15:10	
CCB	V	0.68989	0.80396	0.57581	23.38490	ug/L	09/24/10	15:10	
CCB	Zn	0.24446	0.49309	-0.00415	143.82699	ug/L	09/24/10	15:10	
CCB	2203/1	-0.77962	-2.48022	0.92097	308.48223	ug/L	09/24/10	15:10	
CCB	2203/2	-0.84006	-0.20172	-1.47839	107.46100	ug/L	09/24/10	15:10	
CCB	1960/1	-2.51233	-5.50173	0.47707	168.27642	ug/L	09/24/10	15:10	
CCB	1960/2	6.67929	5.73340	7.62518	20.02746	ug/L	09/24/10	15:10	
CCB	Y	1042.75854	1039.70300	1045.81408	0.41439		09/24/10	15:10	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
VOA WATER	Ag	-0.31094	-0.29195	-0.32994	8.63989	ug/L	09/24/10	15:15	
VOA WATER	Al	11.09981	11.46900	10.73062	4.70379	ug/L	09/24/10	15:15	
VOA WATER	2Al	0.01110	0.01146	0.01073	4.70386	mg/L	09/24/10	15:15	
VOA WATER	As	2.22481	2.09621	2.35341	8.17432	ug/L	09/24/10	15:15	
VOA WATER	B	27.02185	27.37854	26.66515	1.86680	ug/L	09/24/10	15:15	
VOA WATER	Ba	9.89212	9.75789	10.02636	1.91904	ug/L	09/24/10	15:15	
VOA WATER	Be	-0.00588	-0.01278	0.00102	166.09010	ug/L	09/24/10	15:15	
VOA WATER	Ca	22392.82812	22323.16992	22462.48632	0.43992	ug/L	09/24/10	15:15	
VOA WATER	Cd	0.00024	-0.03931	0.03980	22847.74414	ug/L	09/24/10	15:15	
VOA WATER	Co	-0.00667	0.04820	-0.06154	1163.38867	ug/L	09/24/10	15:15	
VOA WATER	Cr	0.08966	0.05531	0.12401	54.17533	ug/L	09/24/10	15:15	
VOA WATER	Cu	0.38870	0.33015	0.44724	21.30041	ug/L	09/24/10	15:15	
VOA WATER	Fe	-7.16858	-19.27666	4.93950	238.86756	ug/L	09/24/10	15:15	
VOA WATER	2Fe	-0.00716	-0.01927	0.00493	238.86903	mg/L	09/24/10	15:15	
VOA WATER	K	2744.72192	2720.65380	2768.79003	1.24010	ug/L	09/24/10	15:15	
VOA WATER	Mg	7766.45800	7742.85205	7790.06445	0.42985	ug/L	09/24/10	15:15	
VOA WATER	2Mg	7.76426	7.74067	7.78786	0.42980	mg/L	09/24/10	15:15	
VOA WATER	Mn	0.03683	0.08079	-0.00713	168.80038	ug/L	09/24/10	15:15	
VOA WATER	Mo	0.85783	0.82362	0.89203	5.63923	ug/L	09/24/10	15:15	
VOA WATER	Na	12806.94726	12696.33886	12917.55566	1.22139	ug/L	09/24/10	15:15	
VOA WATER	Ni	0.75087	0.10946	1.39229	120.80468	ug/L	09/24/10	15:15	
VOA WATER	Pb	0.97675	2.86140	-0.90788	272.87078	ug/L	09/24/10	15:15	
VOA WATER	Se	1.14982	0.49200	1.80764	80.90800	ug/L	09/24/10	15:15	
VOA WATER	Sb	0.81646	-0.51660	2.14953	230.90335	ug/L	09/24/10	15:15	
VOA WATER	Sn	5.29169	4.66539	5.91799	16.73796	ug/L	09/24/10	15:15	
VOA WATER	Sr	317.92712	316.65808	319.19616	0.56449	ug/L	09/24/10	15:15	
VOA WATER	Ti	-0.01325	0.17304	-0.19956	1987.16040	ug/L	09/24/10	15:15	
VOA WATER	Tl	3.98676	6.49107	1.48245	88.83463	ug/L	09/24/10	15:15	
VOA WATER	V	-0.10852	-1.23461	1.01756	1467.43420	ug/L	09/24/10	15:15	
VOA WATER	Zn	5.35207	5.38271	5.32144	0.80956	ug/L	09/24/10	15:15	
VOA WATER	2203/1	2.44802	6.72498	-1.82893	247.07830	ug/L	09/24/10	15:15	
VOA WATER	2203/2	0.24234	0.93250	-0.44781	402.74435	ug/L	09/24/10	15:15	
VOA WATER	1960/1	8.52721	9.14212	7.91229	10.19823	ug/L	09/24/10	15:15	
VOA WATER	1960/2	-2.53340	-3.82657	-1.24024	72.18789	ug/L	09/24/10	15:15	
VOA WATER	Y	1048.99560	1052.51306	1045.47802	0.47421		09/24/10	15:15	
SHIPPING	Ag	-0.27200	-0.57901	0.03499	159.61445	ug/L	09/24/10	15:24	
SHIPPING	Al	10.47334	10.15632	10.79036	4.28074	ug/L	09/24/10	15:24	
SHIPPING	2Al	0.01047	0.01015	0.01079	4.28067	mg/L	09/24/10	15:24	
SHIPPING	As	-1.03260	0.08676	-2.15197	153.30488	ug/L	09/24/10	15:24	
SHIPPING	B	1.03614	0.84083	1.23144	26.65721	ug/L	09/24/10	15:24	
SHIPPING	Ba	0.13142	0.13149	0.13135	0.07100	ug/L	09/24/10	15:24	
SHIPPING	Be	-0.01560	-0.01339	-0.01781	20.05752	ug/L	09/24/10	15:24	
SHIPPING	Ca	13.31346	13.61647	13.01045	3.21870	ug/L	09/24/10	15:24	
SHIPPING	Cd	0.08431	0.24894	-0.08031	276.14068	ug/L	09/24/10	15:24	
SHIPPING	Co	-0.69406	-1.18886	-0.19926	100.81960	ug/L	09/24/10	15:24	
SHIPPING	Cr	-0.07607	-0.46909	0.31695	730.63146	ug/L	09/24/10	15:24	
SHIPPING	Cu	0.01538	0.18837	-0.15761	1590.64746	ug/L	09/24/10	15:24	
SHIPPING	Fe	-7.61034	-0.62887	-14.59181	129.73504	ug/L	09/24/10	15:24	
SHIPPING	2Fe	-0.00760	-0.00062	-0.01459	129.72897	mg/L	09/24/10	15:24	
SHIPPING	K	16.54913	20.91678	12.18148	37.32395	ug/L	09/24/10	15:24	
SHIPPING	Mg	0.04017	1.25195	-1.17160	4265.68408	ug/L	09/24/10	15:24	
SHIPPING	2Mg	0.00004	0.00125	-0.00116	4124.51464	mg/L	09/24/10	15:24	
SHIPPING	Mn	-0.01482	-0.08894	0.05928	706.88604	ug/L	09/24/10	15:24	
SHIPPING	Mo	-0.06711	-0.52724	0.39301	969.60137	ug/L	09/24/10	15:24	
SHIPPING	Na	-149.78758	-122.96004	-176.61511	25.32911	ug/L	09/24/10	15:24	
SHIPPING	Ni	-0.32298	0.04915	-0.69513	162.94587	ug/L	09/24/10	15:24	
SHIPPING	Pb	1.74736	2.70202	0.79270	77.26432	ug/L	09/24/10	15:24	
SHIPPING	Se	3.45303	4.15396	2.75209	28.70714	ug/L	09/24/10	15:24	
SHIPPING	Sb	-0.43688	1.38834	-2.26210	590.83917	ug/L	09/24/10	15:24	
SHIPPING	Sn	-1.02868	-0.79603	-1.26133	31.98400	ug/L	09/24/10	15:24	
SHIPPING	Sr	0.33434	0.31165	0.35702	9.59583	ug/L	09/24/10	15:24	
SHIPPING	Ti	-0.02368	-0.02418	-0.02319	2.96147	ug/L	09/24/10	15:24	
SHIPPING	Tl	0.09135	-3.57075	3.75347	5668.96142	ug/L	09/24/10	15:24	
SHIPPING	V	0.28549	0.34981	0.22117	31.86069	ug/L	09/24/10	15:24	
SHIPPING	Zn	4.08272	3.96475	4.20069	4.08648	ug/L	09/24/10	15:24	
SHIPPING	2203/1	7.25115	7.47281	7.02948	4.32324	ug/L	09/24/10	15:24	
SHIPPING	2203/2	-1.00040	0.32019	-2.32100	186.68469	ug/L	09/24/10	15:24	
SHIPPING	1960/1	3.22927	2.66837	3.79017	24.56374	ug/L	09/24/10	15:24	
SHIPPING	1960/2	3.56474	4.89564	2.23384	52.79984	ug/L	09/24/10	15:24	
SHIPPING	Y	1052.94702	1051.70800	1054.18603	0.16641		09/24/10	15:24	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 180784	Ag	-0.78216	-0.27622	-1.28810	91.47702	ug/L	09/24/10	15:38	
PBW 180784	Al	19.13941	15.38026	22.89856	27.77642	ug/L	09/24/10	15:38	
PBW 180784	2Al	0.01914	0.01538	0.02289	27.77652	mg/L	09/24/10	15:38	
PBW 180784	As	-2.71842	-3.60967	-1.82716	46.36590	ug/L	09/24/10	15:38	
PBW 180784	B	-0.06893	-0.56401	0.42614	1015.65563	ug/L	09/24/10	15:38	
PBW 180784	Ba	0.04135	0.17955	-0.09684	472.59042	ug/L	09/24/10	15:38	
PBW 180784	Be	-0.01502	-0.00837	-0.02166	62.52125	ug/L	09/24/10	15:38	
PBW 180784	Ca	30.72972	31.29893	30.16051	2.61954	ug/L	09/24/10	15:38	
PBW 180784	Cd	-0.30778	-0.49136	-0.12420	84.35249	ug/L	09/24/10	15:38	
PBW 180784	Co	-0.01484	0.31311	-0.34281	3123.47314	ug/L	09/24/10	15:38	
PBW 180784	Cr	0.50176	0.10103	0.90250	112.94620	ug/L	09/24/10	15:38	
PBW 180784	Cu	0.04416	-0.25683	0.34517	963.79730	ug/L	09/24/10	15:38	
PBW 180784	Fe	13.28466	15.74254	10.82679	26.16519	ug/L	09/24/10	15:38	
PBW 180784	2Fe	0.01328	0.01574	0.01082	26.16703	mg/L	09/24/10	15:38	
PBW 180784	K	11.72280	26.32306	-2.87746	176.13446	ug/L	09/24/10	15:38	
PBW 180784	Mg	6.24334	6.26510	6.22157	0.49299	ug/L	09/24/10	15:38	
PBW 180784	2Mg	0.00623	0.00626	0.00621	0.48344	mg/L	09/24/10	15:38	
PBW 180784	Mn	0.32486	0.33204	0.31769	3.12441	ug/L	09/24/10	15:38	
PBW 180784	Mo	-1.34882	0.60158	-3.29923	204.49697	ug/L	09/24/10	15:38	
PBW 180784	Na	173.10742	264.15869	82.05615	74.38498	ug/L	09/24/10	15:38	
PBW 180784	Ni	-0.89260	-0.55685	-1.22835	53.19483	ug/L	09/24/10	15:38	
PBW 180784	Pb	0.81996	1.54903	0.09090	125.74298	ug/L	09/24/10	15:38	
PBW 180784	Se	3.92782	4.67010	3.18553	26.72599	ug/L	09/24/10	15:38	
PBW 180784	Sb	-0.22433	-1.52358	1.07491	819.04913	ug/L	09/24/10	15:38	
PBW 180784	Sn	12.37282	13.30099	11.44465	10.60897	ug/L	09/24/10	15:38	
PBW 180784	Sr	0.04142	0.03574	0.04710	19.40158	ug/L	09/24/10	15:38	
PBW 180784	Ti	-0.00631	0.15288	-0.16550	3567.70312	ug/L	09/24/10	15:38	
PBW 180784	Tl	-3.70658	-1.23331	-6.17985	94.36522	ug/L	09/24/10	15:38	
PBW 180784	V	-0.13065	0.45518	-0.71649	634.12066	ug/L	09/24/10	15:38	
PBW 180784	Zn	3.14452	2.98187	3.30717	7.31500	ug/L	09/24/10	15:38	
PBW 180784	2203/1	1.01167	4.73122	-2.70787	519.95196	ug/L	09/24/10	15:38	
PBW 180784	2203/2	0.72425	-0.03967	1.48819	149.16886	ug/L	09/24/10	15:38	
PBW 180784	1960/1	0.77584	0.42702	1.12466	63.58293	ug/L	09/24/10	15:38	
PBW 180784	1960/2	5.50144	6.78846	4.21442	33.08440	ug/L	09/24/10	15:38	
PBW 180784	Y	1024.31347	1019.94201	1028.68505	0.60355		09/24/10	15:38	
LCSS-1	Ag	37.53054	37.15424	37.90684	1.41796	ug/L	09/24/10	15:44	
LCSS-1	Al	2046.40881	2047.53601	2045.28161	0.07789	ug/L	09/24/10	15:44	
LCSS-1	2Al	2.04631	2.04744	2.04518	0.07792	mg/L	09/24/10	15:44	
LCSS-1	As	2083.76367	2082.52270	2085.00439	0.08421	ug/L	09/24/10	15:44	
LCSS-1	B	1037.52929	1038.52905	1036.52966	0.13626	ug/L	09/24/10	15:44	
LCSS-1	Ba	2139.54394	2140.60961	2138.47802	0.07044	ug/L	09/24/10	15:44	
LCSS-1	Be	52.44037	52.51013	52.37061	0.18813	ug/L	09/24/10	15:44	
LCSS-1	Ca	5180.03808	5180.86474	5179.21093	0.02257	ug/L	09/24/10	15:44	
LCSS-1	Cd	53.56117	53.38621	53.73613	0.46196	ug/L	09/24/10	15:44	
LCSS-1	Co	529.29754	529.77374	528.82135	0.12723	ug/L	09/24/10	15:44	
LCSS-1	Cr	214.11572	214.07225	214.15921	0.02871	ug/L	09/24/10	15:44	
LCSS-1	Cu	260.65136	260.70428	260.59844	0.02871	ug/L	09/24/10	15:44	
LCSS-1	Fe	1044.76367	1033.53295	1055.99426	1.52020	ug/L	09/24/10	15:44	
LCSS-1	2Fe	1.04485	1.03362	1.05608	1.51984	mg/L	09/24/10	15:44	
LCSS-1	K	5058.02539	5063.39453	5052.65673	0.15011	ug/L	09/24/10	15:44	
LCSS-1	Mg	5138.95507	5138.12500	5139.78466	0.02283	ug/L	09/24/10	15:44	
LCSS-1	2Mg	5.13756	5.13673	5.13839	0.02277	mg/L	09/24/10	15:44	
LCSS-1	Mn	530.56976	531.01104	530.12847	0.11762	ug/L	09/24/10	15:44	
LCSS-1	Mo	523.74060	523.99468	523.48657	0.06860	ug/L	09/24/10	15:44	
LCSS-1	Na	4811.77343	4701.44677	4922.10009	3.24257	ug/L	09/24/10	15:44	
LCSS-1	Ni	528.12615	529.00903	527.24328	0.23641	ug/L	09/24/10	15:44	
LCSS-1	Pb	523.77478	523.19433	524.35516	0.15671	ug/L	09/24/10	15:44	
LCSS-1	Se	2098.95166	2094.20678	2103.69653	0.31969	ug/L	09/24/10	15:44	
LCSS-1	Sb	507.31750	505.22161	509.41342	0.58425	ug/L	09/24/10	15:44	
LCSS-1	Sn	1051.10192	1053.40441	1048.79943	0.30979	ug/L	09/24/10	15:44	
LCSS-1	Sr	539.59356	539.58343	539.60369	0.00265	ug/L	09/24/10	15:44	
LCSS-1	Ti	726.66162	726.95117	726.37200	0.05635	ug/L	09/24/10	15:44	
LCSS-1	Tl	2161.16845	2166.38989	2155.94702	0.34167	ug/L	09/24/10	15:44	
LCSS-1	V	518.56884	519.39752	517.74017	0.22599	ug/L	09/24/10	15:44	
LCSS-1	Zn	536.28552	535.69702	536.87402	0.15519	ug/L	09/24/10	15:44	
LCSS-1	2203/1	523.94958	523.58007	524.31915	0.09974	ug/L	09/24/10	15:44	
LCSS-1	2203/2	523.68737	523.00170	524.37310	0.18517	ug/L	09/24/10	15:44	
LCSS-1	1960/1	2083.55126	2081.67431	2085.42822	0.12739	ug/L	09/24/10	15:44	
LCSS-1	1960/2	2106.63964	2100.46289	2112.81640	0.41465	ug/L	09/24/10	15:44	
LCSS-1	Y	1029.64404	1031.30297	1027.98498	0.22786		09/24/10	15:44	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61464-1	Ag	-0.72333	-1.15065	-0.29601	83.54701	ug/L	09/24/10	15:49	
61464-1	Al	40596.64843	40633.94140	40559.35937	0.12990	ug/L	09/24/10	15:49	
61464-1	2Al	40.59612	40.63527	40.55697	0.13638	mg/L	09/24/10	15:49	
61464-1	As	10.83688	11.44228	10.23148	7.90044	ug/L	09/24/10	15:49	
61464-1	B	15.82395	17.15078	14.49712	11.85808	ug/L	09/24/10	15:49	
61464-1	Ba	154.68495	154.59407	154.77583	0.08308	ug/L	09/24/10	15:49	
61464-1	Be	3.71833	3.68899	3.74766	1.11556	ug/L	09/24/10	15:49	
61464-1	Ca	32998.96875	32950.85546	33047.08203	0.20619	ug/L	09/24/10	15:49	
61464-1	Cd	0.54611	0.63907	0.45316	24.07129	ug/L	09/24/10	15:49	
61464-1	Co	25.77956	25.68582	25.87330	0.51424	ug/L	09/24/10	15:49	
61464-1	Cr	72.64682	72.55885	72.73478	0.17124	ug/L	09/24/10	15:49	
61464-1	Cu	57.28378	57.21932	57.34823	0.15912	ug/L	09/24/10	15:49	
61464-1	Fe	70328.29687	70248.47656	70408.12500	0.16051	ug/L	09/24/10	15:49	
61464-1	2Fe	70.31527	70.23867	70.39188	0.15406	mg/L	09/24/10	15:49	
61464-1	K	3676.29248	3647.33422	3705.25073	1.11397	ug/L	09/24/10	15:49	
61464-1	Mg	16385.64843	16362.52441	16408.77148	0.19957	ug/L	09/24/10	15:49	
61464-1	2Mg	16.36925	16.34614	16.39235	0.19959	mg/L	09/24/10	15:49	
61464-1	Mn	1297.71215	1297.49047	1297.93371	0.02415	ug/L	09/24/10	15:49	
61464-1	Mo	4.46916	4.34799	4.59033	3.83439	ug/L	09/24/10	15:49	
61464-1	Na	424.71246	397.12127	452.30364	9.18735	ug/L	09/24/10	15:49	
61464-1	Ni	50.92017	50.47279	51.36755	1.24251	ug/L	09/24/10	15:49	
61464-1	Pb	40.68722	39.75682	41.61763	3.23391	ug/L	09/24/10	15:49	
61464-1	Se	7.57320	8.58572	6.56068	18.90774	ug/L	09/24/10	15:49	
61464-1	Sb	4.20242	1.65031	6.75454	85.88452	ug/L	09/24/10	15:49	
61464-1	Sn	17.60126	17.77747	17.42504	1.41584	ug/L	09/24/10	15:49	
61464-1	Sr	273.83673	273.62069	274.05273	0.11156	ug/L	09/24/10	15:49	
61464-1	Ti	3640.73120	3639.60302	3641.85937	0.04382	ug/L	09/24/10	15:49	
61464-1	Tl	4.97725	7.49118	2.46332	71.42958	ug/L	09/24/10	15:49	
61464-1	V	165.06756	164.97717	165.15795	0.07744	ug/L	09/24/10	15:49	
61464-1	Zn	197.14068	196.77792	197.50343	0.26022	ug/L	09/24/10	15:49	
61464-1	2203/1	51.68557	46.94964	56.42149	12.95836	ug/L	09/24/10	15:49	
61464-1	2203/2	35.19630	36.16580	34.22679	3.89553	ug/L	09/24/10	15:49	
61464-1	1960/1	4.62159	3.13679	6.10639	45.43509	ug/L	09/24/10	15:49	
61464-1	1960/2	9.04679	11.30611	6.78748	35.31802	ug/L	09/24/10	15:49	
61464-1	Y	1061.12304	1060.98303	1061.26306	0.01866		09/24/10	15:49	
61464-2	Ag	-0.66396	-1.23209	-0.09584	121.00679	ug/L	09/24/10	15:54	
61464-2	Al	31671.02734	31649.44140	31692.61328	0.09638	ug/L	09/24/10	15:54	
61464-2	2Al	31.67115	31.65000	31.69230	0.09443	mg/L	09/24/10	15:54	
61464-2	As	0.13687	-0.03758	0.31134	180.25863	ug/L	09/24/10	15:54	
61464-2	B	6.15265	5.83554	6.46976	7.28892	ug/L	09/24/10	15:54	
61464-2	Ba	85.46986	85.58272	85.35699	0.18675	ug/L	09/24/10	15:54	
61464-2	Be	2.64122	2.64348	2.63896	0.12080	ug/L	09/24/10	15:54	
61464-2	Ca	8763.59863	8766.60351	8760.59375	0.04849	ug/L	09/24/10	15:54	
61464-2	Cd	0.23538	0.18694	0.28382	29.10258	ug/L	09/24/10	15:54	
61464-2	Co	25.20380	25.09511	25.31249	0.60985	ug/L	09/24/10	15:54	
61464-2	Cr	47.10228	47.27229	46.93227	0.51043	ug/L	09/24/10	15:54	
61464-2	Cu	46.45807	45.96640	46.94974	1.49666	ug/L	09/24/10	15:54	
61464-2	Fe	55643.27343	55658.19921	55628.35156	0.03792	ug/L	09/24/10	15:54	
61464-2	2Fe	55.63440	55.65024	55.61857	0.04025	mg/L	09/24/10	15:54	
61464-2	K	2792.33984	2802.29809	2782.38159	0.50434	ug/L	09/24/10	15:54	
61464-2	Mg	13796.63281	13806.65917	13786.60546	0.10277	ug/L	09/24/10	15:54	
61464-2	2Mg	13.78335	13.79337	13.77333	0.10282	mg/L	09/24/10	15:54	
61464-2	Mn	874.48309	874.60211	874.36407	0.01924	ug/L	09/24/10	15:54	
61464-2	Mo	0.11747	1.18128	-0.94633	1280.69702	ug/L	09/24/10	15:54	
61464-2	Na	257.80352	255.01846	260.58856	1.52777	ug/L	09/24/10	15:54	
61464-2	Ni	38.83766	39.00942	38.66588	0.62547	ug/L	09/24/10	15:54	
61464-2	Pb	25.35449	23.77317	26.93581	8.82023	ug/L	09/24/10	15:54	
61464-2	Se	3.44069	5.06035	1.82102	66.57243	ug/L	09/24/10	15:54	
61464-2	Sb	1.29725	0.10381	2.49069	130.10414	ug/L	09/24/10	15:54	
61464-2	Sn	17.04854	17.65156	16.44553	5.00216	ug/L	09/24/10	15:54	
61464-2	Sr	74.57338	74.52398	74.62278	0.09368	ug/L	09/24/10	15:54	
61464-2	Ti	2907.67041	2908.90454	2906.43627	0.06002	ug/L	09/24/10	15:54	
61464-2	Tl	4.18502	5.11624	3.25380	31.46800	ug/L	09/24/10	15:54	
61464-2	V	87.87255	88.68988	87.05521	1.31541	ug/L	09/24/10	15:54	
61464-2	Zn	190.50872	190.29351	190.72392	0.15975	ug/L	09/24/10	15:54	
61464-2	2203/1	34.22789	34.04124	34.41455	0.77119	ug/L	09/24/10	15:54	
61464-2	2203/2	20.92444	18.64683	23.20206	15.39360	ug/L	09/24/10	15:54	
61464-2	1960/1	2.05820	4.70678	-0.59037	181.98635	ug/L	09/24/10	15:54	
61464-2	1960/2	4.13090	5.23688	3.02491	37.86322	ug/L	09/24/10	15:54	
61464-2	Y	1063.62548	1060.90600	1066.34509	0.36159		09/24/10	15:54	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61464-3	Ag	-0.62434	-0.62562	-0.62307	0.28797	ug/L	09/24/10	15:59	
61464-3	Al	41788.83593	41349.45703	42228.21093	1.48693	ug/L	09/24/10	15:59	
61464-3	2Al	41.78842	41.34774	42.22910	1.49136	mg/L	09/24/10	15:59	
61464-3	As	8.78135	7.92371	9.63898	13.81201	ug/L	09/24/10	15:59	
61464-3	B	8.40788	8.27391	8.54185	2.25338	ug/L	09/24/10	15:59	
61464-3	Ba	123.44364	122.49602	124.39128	1.08563	ug/L	09/24/10	15:59	
61464-3	Be	2.67512	2.66178	2.68847	0.70556	ug/L	09/24/10	15:59	
61464-3	Ca	12813.78710	12696.19726	12931.37597	1.29779	ug/L	09/24/10	15:59	
61464-3	Cd	0.59220	0.76450	0.41989	41.14747	ug/L	09/24/10	15:59	
61464-3	Co	22.82322	22.75787	22.88857	0.40492	ug/L	09/24/10	15:59	
61464-3	Cr	62.45448	61.98768	62.92127	1.05700	ug/L	09/24/10	15:59	
61464-3	Cu	45.14093	44.34159	45.94027	2.50424	ug/L	09/24/10	15:59	
61464-3	Fe	80015.42187	79257.57812	80773.25781	1.33942	ug/L	09/24/10	15:59	
61464-3	2Fe	80.00080	79.24039	80.76121	1.34421	mg/L	09/24/10	15:59	
61464-3	K	3142.14916	3134.64331	3149.65502	0.33782	ug/L	09/24/10	15:59	
61464-3	Mg	16767.71289	16607.24218	16928.18359	1.35343	ug/L	09/24/10	15:59	
61464-3	2Mg	16.74958	16.58928	16.90988	1.35344	mg/L	09/24/10	15:59	
61464-3	Mn	1463.43017	1450.37976	1476.48071	1.26115	ug/L	09/24/10	15:59	
61464-3	Mo	3.18708	3.81866	2.55549	28.02565	ug/L	09/24/10	15:59	
61464-3	Na	226.84219	419.59701	34.08738	120.17008	ug/L	09/24/10	15:59	
61464-3	Ni	46.31778	46.60038	46.03517	0.86287	ug/L	09/24/10	15:59	
61464-3	Pb	35.54899	34.97528	36.12270	2.28234	ug/L	09/24/10	15:59	
61464-3	Se	4.12072	4.46144	3.77999	11.69352	ug/L	09/24/10	15:59	
61464-3	Sb	0.62283	-0.19154	1.43722	184.91407	ug/L	09/24/10	15:59	
61464-3	Sn	19.53132	20.21362	18.84901	4.94039	ug/L	09/24/10	15:59	
61464-3	Sr	113.64665	112.73771	114.55559	1.13107	ug/L	09/24/10	15:59	
61464-3	Ti	3390.88085	3360.16479	3421.59692	1.28105	ug/L	09/24/10	15:59	
61464-3	Tl	1.52501	-1.01986	4.06989	235.99807	ug/L	09/24/10	15:59	
61464-3	V	103.77782	102.99694	104.55870	1.06413	ug/L	09/24/10	15:59	
61464-3	Zn	215.09979	213.43692	216.76264	1.09328	ug/L	09/24/10	15:59	
61464-3	2203/1	44.71629	42.91603	46.51655	5.69356	ug/L	09/24/10	15:59	
61464-3	2203/2	30.97221	31.01086	30.93357	0.17645	ug/L	09/24/10	15:59	
61464-3	1960/1	-0.40027	-2.10551	1.30495	602.47222	ug/L	09/24/10	15:59	
61464-3	1960/2	6.37783	7.74000	5.01566	30.20465	ug/L	09/24/10	15:59	
61464-3	Y	1079.88305	1088.46508	1071.30102	1.12390		09/24/10	15:59	
61464-4	Ag	-1.13029	-0.86620	-1.39438	33.04271	ug/L	09/24/10	16:04	
61464-4	Al	39489.15625	39546.45703	39431.85546	0.20520	ug/L	09/24/10	16:04	
61464-4	2Al	39.48928	39.54685	39.43172	0.20615	mg/L	09/24/10	16:04	
61464-4	As	7.72094	6.86515	8.57672	15.67509	ug/L	09/24/10	16:04	
61464-4	B	8.04911	8.62988	7.46834	10.20395	ug/L	09/24/10	16:04	
61464-4	Ba	110.37298	110.60422	110.14175	0.29628	ug/L	09/24/10	16:04	
61464-4	Be	1.98970	2.00316	1.97624	0.95635	ug/L	09/24/10	16:04	
61464-4	Ca	11229.71972	11222.96386	11236.47558	0.08507	ug/L	09/24/10	16:04	
61464-4	Cd	0.14839	0.20680	0.08998	55.66574	ug/L	09/24/10	16:04	
61464-4	Co	19.28153	19.52487	19.03819	1.78478	ug/L	09/24/10	16:04	
61464-4	Cr	62.70003	62.82710	62.57296	0.28661	ug/L	09/24/10	16:04	
61464-4	Cu	45.05980	44.73559	45.38401	1.01753	ug/L	09/24/10	16:04	
61464-4	Fe	60686.83984	60613.26953	60760.41015	0.17144	ug/L	09/24/10	16:04	
61464-4	2Fe	60.67686	60.60375	60.74996	0.17039	mg/L	09/24/10	16:04	
61464-4	K	4000.55761	4041.61889	3959.49609	1.45153	ug/L	09/24/10	16:04	
61464-4	Mg	16032.25097	16004.41113	16060.09082	0.24557	ug/L	09/24/10	16:04	
61464-4	2Mg	16.01755	15.98973	16.04537	0.24563	mg/L	09/24/10	16:04	
61464-4	Mn	1089.59521	1088.54797	1090.64245	0.13592	ug/L	09/24/10	16:04	
61464-4	Mo	4.23663	4.06803	4.40524	5.62824	ug/L	09/24/10	16:04	
61464-4	Na	127.51985	-76.07695	331.11666	225.79179	ug/L	09/24/10	16:04	
61464-4	Ni	42.12767	41.80979	42.44556	1.06712	ug/L	09/24/10	16:04	
61464-4	Pb	28.57558	29.31194	27.83922	3.64425	ug/L	09/24/10	16:04	
61464-4	Se	4.13708	2.78246	5.49170	46.30612	ug/L	09/24/10	16:04	
61464-4	Sb	2.55875	0.91499	4.20252	90.85018	ug/L	09/24/10	16:04	
61464-4	Sn	16.01755	15.60242	16.43267	3.66518	ug/L	09/24/10	16:04	
61464-4	Sr	103.89176	104.04901	103.73451	0.21405	ug/L	09/24/10	16:04	
61464-4	Ti	4190.02636	4186.91796	4193.13476	0.10491	ug/L	09/24/10	16:04	
61464-4	Tl	2.29113	4.02663	0.55562	107.12518	ug/L	09/24/10	16:04	
61464-4	V	95.41595	95.82637	95.00553	0.60830	ug/L	09/24/10	16:04	
61464-4	Zn	194.55319	194.15040	194.95599	0.29279	ug/L	09/24/10	16:04	
61464-4	2203/1	38.08613	40.89373	35.27854	10.42516	ug/L	09/24/10	16:04	
61464-4	2203/2	23.82743	23.52972	24.12514	1.76697	ug/L	09/24/10	16:04	
61464-4	1960/1	1.43300	-1.87579	4.74180	326.54110	ug/L	09/24/10	16:04	
61464-4	1960/2	5.48709	5.10809	5.86608	9.76799	ug/L	09/24/10	16:04	
61464-4	Y	1058.32653	1054.82299	1061.83007	0.46816		09/24/10	16:04	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61464-5	Ag	-1.18934	-1.18977	-1.18891	0.05168	ug/L	09/24/10	16:09	
61464-5	Al	25698.79101	25710.03906	25687.54296	0.06189	ug/L	09/24/10	16:09	
61464-5	2Al	25.69768	25.70874	25.68661	0.06090	mg/L	09/24/10	16:09	
61464-5	As	4.68095	5.57951	3.78238	27.14759	ug/L	09/24/10	16:09	
61464-5	B	8.07804	8.43909	7.71699	6.32081	ug/L	09/24/10	16:09	
61464-5	Ba	95.32608	95.43386	95.21830	0.15989	ug/L	09/24/10	16:09	
61464-5	Be	2.91636	2.90699	2.92573	0.45452	ug/L	09/24/10	16:09	
61464-5	Ca	18512.24218	18501.47070	18523.01562	0.08229	ug/L	09/24/10	16:09	
61464-5	Cd	0.15707	0.18232	0.13182	22.72981	ug/L	09/24/10	16:09	
61464-5	Co	15.98114	15.66089	16.30140	2.83402	ug/L	09/24/10	16:09	
61464-5	Cr	63.74665	63.42686	64.06643	0.70944	ug/L	09/24/10	16:09	
61464-5	Cu	29.18625	29.52009	28.85242	1.61759	ug/L	09/24/10	16:09	
61464-5	Fe	77633.08593	77640.10156	77626.07031	0.01278	ug/L	09/24/10	16:09	
61464-5	2Fe	77.61733	77.62387	77.61078	0.01192	mg/L	09/24/10	16:09	
61464-5	K	3054.82373	3041.50439	3068.14331	0.61661	ug/L	09/24/10	16:09	
61464-5	Mg	10002.35742	9997.50781	10007.20800	0.06857	ug/L	09/24/10	16:09	
61464-5	2Mg	9.98631	9.98146	9.99116	0.06867	mg/L	09/24/10	16:09	
61464-5	Mn	944.42724	944.75659	944.09796	0.04931	ug/L	09/24/10	16:09	
61464-5	Mo	0.59870	0.44802	0.74939	35.59339	ug/L	09/24/10	16:09	
61464-5	Na	-132.01724	-203.52069	-60.51378	76.59693	ug/L	09/24/10	16:09	
61464-5	Ni	27.81669	27.00551	28.62787	4.12407	ug/L	09/24/10	16:09	
61464-5	Pb	33.42668	32.82242	34.03092	2.55645	ug/L	09/24/10	16:09	
61464-5	Se	2.86703	1.00578	4.72827	91.80923	ug/L	09/24/10	16:09	
61464-5	Sb	5.86617	6.64720	5.08514	18.82891	ug/L	09/24/10	16:09	
61464-5	Sn	19.24594	18.49119	20.00069	5.54596	ug/L	09/24/10	16:09	
61464-5	Sr	128.65667	128.83755	128.47579	0.19882	ug/L	09/24/10	16:09	
61464-5	Ti	7098.91162	7098.08251	7099.74072	0.01651	ug/L	09/24/10	16:09	
61464-5	Tl	-0.18593	0.97159	-1.34345	880.43060	ug/L	09/24/10	16:09	
61464-5	V	146.46051	145.96806	146.95294	0.47549	ug/L	09/24/10	16:09	
61464-5	Zn	149.25784	149.10339	149.41227	0.14633	ug/L	09/24/10	16:09	
61464-5	2203/1	42.08985	45.21548	38.96421	10.50209	ug/L	09/24/10	16:09	
61464-5	2203/2	29.10158	26.63518	31.56798	11.98564	ug/L	09/24/10	16:09	
61464-5	1960/1	1.99191	1.92524	2.05857	4.73319	ug/L	09/24/10	16:09	
61464-5	1960/2	3.30393	0.54674	6.06112	118.01856	ug/L	09/24/10	16:09	
61464-5	Y	1066.25756	1065.11303	1067.40197	0.15179		09/24/10	16:09	
61464-6	Ag	-1.69263	-1.55174	-1.83351	11.77098	ug/L	09/24/10	16:15	
61464-6	Al	54302.97656	54360.03125	54245.91796	0.14859	ug/L	09/24/10	16:15	
61464-6	2Al	54.30406	54.36235	54.24577	0.15180	mg/L	09/24/10	16:15	
61464-6	As	10.30765	10.40060	10.21470	1.27524	ug/L	09/24/10	16:15	
61464-6	B	11.16798	11.00768	11.32829	2.02997	ug/L	09/24/10	16:15	
61464-6	Ba	143.90890	143.80966	144.00814	0.09752	ug/L	09/24/10	16:15	
61464-6	Be	5.22399	5.21129	5.23669	0.34388	ug/L	09/24/10	16:15	
61464-6	Ca	21984.37500	21977.64257	21991.10742	0.04330	ug/L	09/24/10	16:15	
61464-6	Cd	0.79858	0.89865	0.69850	17.72246	ug/L	09/24/10	16:15	
61464-6	Co	46.62410	46.83884	46.40937	0.65135	ug/L	09/24/10	16:15	
61464-6	Cr	69.12821	69.28921	68.96722	0.32936	ug/L	09/24/10	16:15	
61464-6	Cu	80.32269	80.49552	80.14986	0.30430	ug/L	09/24/10	16:15	
61464-6	Fe	117281.87500	117285.83593	117277.90625	0.00478	ug/L	09/24/10	16:15	
61464-6	2Fe	117.26431	117.27100	117.25761	0.00807	mg/L	09/24/10	16:15	
61464-6	K	3861.48095	3841.77563	3881.18603	0.72167	ug/L	09/24/10	16:15	
61464-6	Mg	25642.03710	25658.63085	25625.44335	0.09151	ug/L	09/24/10	16:15	
61464-6	2Mg	25.61485	25.63144	25.59826	0.09158	mg/L	09/24/10	16:15	
61464-6	Mn	1472.52587	1473.09313	1471.95861	0.05447	ug/L	09/24/10	16:15	
61464-6	Mo	0.80726	-0.46078	2.07532	222.14303	ug/L	09/24/10	16:15	
61464-6	Na	-134.79879	-150.52157	-119.07601	16.49522	ug/L	09/24/10	16:15	
61464-6	Ni	60.88822	60.70729	61.06915	0.42023	ug/L	09/24/10	16:15	
61464-6	Pb	74.19766	74.59916	73.79615	0.76527	ug/L	09/24/10	16:15	
61464-6	Se	-1.25995	-2.79248	0.27256	172.01524	ug/L	09/24/10	16:15	
61464-6	Sb	3.81056	5.23185	2.38926	52.74862	ug/L	09/24/10	16:15	
61464-6	Sn	21.56453	19.32847	23.80059	14.66421	ug/L	09/24/10	16:15	
61464-6	Sr	259.86856	260.69619	259.04092	0.45040	ug/L	09/24/10	16:15	
61464-6	Ti	6676.79980	6675.70068	6677.89843	0.02327	ug/L	09/24/10	16:15	
61464-6	Tl	2.38262	2.67060	2.09464	17.09296	ug/L	09/24/10	16:15	
61464-6	V	169.96054	169.63101	170.29008	0.27420	ug/L	09/24/10	16:15	
61464-6	Zn	367.62524	367.72280	367.52767	0.03753	ug/L	09/24/10	16:15	
61464-6	2203/1	85.38061	84.58806	86.17316	1.31274	ug/L	09/24/10	16:15	
61464-6	2203/2	68.61456	69.61220	67.61692	2.05623	ug/L	09/24/10	16:15	
61464-6	1960/1	-5.82272	-6.01936	-5.62607	4.77607	ug/L	09/24/10	16:15	
61464-6	1960/2	1.01799	-1.18147	3.21746	305.55212	ug/L	09/24/10	16:15	
61464-6	Y	1069.68750	1069.19409	1070.18103	0.06524		09/24/10	16:15	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	497.11434	496.79199	497.43670	0.09170	ug/L	09/24/10	16:20	
CCV	Al	4966.18945	4954.32324	4978.05517	0.33790	ug/L	09/24/10	16:20	
CCV	2Al	4.96619	4.95414	4.97823	0.34300	mg/L	09/24/10	16:20	
CCV	As	505.82849	505.22253	506.43441	0.16941	ug/L	09/24/10	16:20	
CCV	B	5052.92724	5036.95703	5068.89746	0.44697	ug/L	09/24/10	16:20	
CCV	Ba	5050.38476	5044.42480	5056.34472	0.16689	ug/L	09/24/10	16:20	
CCV	Be	506.78210	507.38333	506.18084	0.16778	ug/L	09/24/10	16:20	
CCV	Ca	5064.98046	5062.87207	5067.08935	0.05887	ug/L	09/24/10	16:20	
CCV	Cd	513.27343	513.48870	513.05822	0.05930	ug/L	09/24/10	16:20	
CCV	Co	503.49548	503.53659	503.45440	0.01154	ug/L	09/24/10	16:20	
CCV	Cr	5054.00390	5056.16796	5051.83935	0.06056	ug/L	09/24/10	16:20	
CCV	Cu	4979.20019	4974.16455	4984.23535	0.14301	ug/L	09/24/10	16:20	
CCV	Fe	5058.36328	5058.81054	5057.91650	0.01249	ug/L	09/24/10	16:20	
CCV	2Fe	5.05835	5.05880	5.05790	0.01249	mg/L	09/24/10	16:20	
CCV	K	9941.07324	9920.33398	9961.81250	0.29503	ug/L	09/24/10	16:20	
CCV	Mg	5034.90917	5035.96289	5033.85595	0.02958	ug/L	09/24/10	16:20	
CCV	2Mg	5.03491	5.03596	5.03386	0.02959	mg/L	09/24/10	16:20	
CCV	Mn	5054.50683	5055.21777	5053.79638	0.01988	ug/L	09/24/10	16:20	
CCV	Mo	510.76159	511.08123	510.44192	0.08850	ug/L	09/24/10	16:20	
CCV	Na	7127.32519	7145.62597	7109.02392	0.36313	ug/L	09/24/10	16:20	
CCV	Ni	2539.06762	2535.02514	2543.11010	0.22515	ug/L	09/24/10	16:20	
CCV	Pb	509.16720	509.76013	508.57427	0.16468	ug/L	09/24/10	16:20	
CCV	Se	5118.41503	5110.60546	5126.22412	0.21577	ug/L	09/24/10	16:20	
CCV	Sb	499.94671	499.07019	500.82327	0.24794	ug/L	09/24/10	16:20	
CCV	Sn	5052.45214	5054.77246	5050.13232	0.06494	ug/L	09/24/10	16:20	
CCV	Sr	2585.42285	2582.72241	2588.12353	0.14771	ug/L	09/24/10	16:20	
CCV	Ti	509.48623	509.52999	509.44247	0.01214	ug/L	09/24/10	16:20	
CCV	Tl	5102.29833	5093.52001	5111.07666	0.24331	ug/L	09/24/10	16:20	
CCV	V	4996.87500	4996.06103	4997.68847	0.02302	ug/L	09/24/10	16:20	
CCV	Zn	2539.21435	2539.79272	2538.63623	0.03220	ug/L	09/24/10	16:20	
CCV	2203/1	504.43954	501.88623	506.99285	0.71583	ug/L	09/24/10	16:20	
CCV	2203/2	511.52313	513.68682	509.35943	0.59819	ug/L	09/24/10	16:20	
CCV	1960/1	5016.63427	5033.33496	4999.93359	0.47080	ug/L	09/24/10	16:20	
CCV	1960/2	5169.22851	5149.18261	5189.27441	0.54842	ug/L	09/24/10	16:20	
CCV	Y	1051.62756	1051.91809	1051.33703	0.03906		09/24/10	16:20	
CCB	Ag	-0.66090	-1.06962	-0.25218	87.45794	ug/L	09/24/10	16:25	
CCB	Al	17.60542	10.54185	24.66899	56.74046	ug/L	09/24/10	16:25	
CCB	2Al	0.01760	0.01054	0.02467	56.74047	mg/L	09/24/10	16:25	
CCB	As	0.85890	1.16519	0.55260	50.43240	ug/L	09/24/10	16:25	
CCB	B	8.49878	8.80059	8.19697	5.02220	ug/L	09/24/10	16:25	
CCB	Ba	1.07106	0.28710	1.85503	103.51283	ug/L	09/24/10	16:25	
CCB	Be	0.10949	0.05694	0.16205	67.87997	ug/L	09/24/10	16:25	
CCB	Ca	0.59833	-0.65883	1.85550	297.14294	ug/L	09/24/10	16:25	
CCB	Cd	0.20227	0.25972	0.14481	40.17000	ug/L	09/24/10	16:25	
CCB	Co	-0.67021	-0.57797	-0.76245	19.46299	ug/L	09/24/10	16:25	
CCB	Cr	0.43114	-0.30492	1.16720	241.44242	ug/L	09/24/10	16:25	
CCB	Cu	-0.22368	-1.11335	0.66598	562.47692	ug/L	09/24/10	16:25	
CCB	Fe	10.38897	2.04033	18.73761	113.64698	ug/L	09/24/10	16:25	
CCB	2Fe	0.01038	0.00203	0.01873	113.64804	mg/L	09/24/10	16:25	
CCB	K	20.24780	25.18626	15.30935	34.49278	ug/L	09/24/10	16:25	
CCB	Mg	-1.15310	-1.15549	-1.15070	0.29325	ug/L	09/24/10	16:25	
CCB	2Mg	-0.00115	-0.00115	-0.00115	0.15857	mg/L	09/24/10	16:25	
CCB	Mn	0.98756	0.17639	1.79872	116.16154	ug/L	09/24/10	16:25	
CCB	Mo	0.48155	1.18297	-0.21986	205.98979	ug/L	09/24/10	16:25	
CCB	Na	280.67370	306.68051	254.66691	13.10388	ug/L	09/24/10	16:25	
CCB	Ni	0.15180	0.40458	-0.10096	235.48023	ug/L	09/24/10	16:25	
CCB	Pb	0.55087	-0.09449	1.19624	165.68157	ug/L	09/24/10	16:25	
CCB	Se	2.87537	2.92581	2.82492	2.48122	ug/L	09/24/10	16:25	
CCB	Sb	2.71277	5.43715	-0.01161	142.02662	ug/L	09/24/10	16:25	
CCB	Sn	2.71125	4.64815	0.77435	101.03038	ug/L	09/24/10	16:25	
CCB	Sr	0.48618	0.09112	0.88123	114.91419	ug/L	09/24/10	16:25	
CCB	Ti	0.85893	0.60114	1.11672	42.44430	ug/L	09/24/10	16:25	
CCB	Tl	4.79582	2.81514	6.77651	58.40719	ug/L	09/24/10	16:25	
CCB	V	1.11786	0.82851	1.40721	36.60613	ug/L	09/24/10	16:25	
CCB	Zn	0.28807	0.04229	0.53385	120.65984	ug/L	09/24/10	16:25	
CCB	2203/1	1.04272	1.04510	1.04035	0.32201	ug/L	09/24/10	16:25	
CCB	2203/2	0.30531	-0.66344	1.27407	448.72775	ug/L	09/24/10	16:25	
CCB	1960/1	2.05969	-1.43240	5.55179	239.77239	ug/L	09/24/10	16:25	
CCB	1960/2	3.28259	5.10166	1.46353	78.36928	ug/L	09/24/10	16:25	
CCB	Y	1057.29406	1059.56909	1055.01904	0.30430		09/24/10	16:25	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61464-7	Ag	-0.48318	-0.34332	-0.62303	40.93376	ug/L	09/24/10	16:30	
61464-7	Al	48579.23437	48571.28906	48587.17578	0.02312	ug/L	09/24/10	16:30	
61464-7	2Al	48.58050	48.57160	48.58940	0.02590	mg/L	09/24/10	16:30	
61464-7	As	12.41086	12.93551	11.88622	5.97829	ug/L	09/24/10	16:30	
61464-7	B	12.30361	12.23930	12.36792	0.73919	ug/L	09/24/10	16:30	
61464-7	Ba	214.59484	214.62216	214.56752	0.01800	ug/L	09/24/10	16:30	
61464-7	Be	5.62658	5.62979	5.62336	0.08071	ug/L	09/24/10	16:30	
61464-7	Ca	16203.91796	16188.20117	16219.63378	0.13716	ug/L	09/24/10	16:30	
61464-7	Cd	0.17491	0.02640	0.32342	120.07012	ug/L	09/24/10	16:30	
61464-7	Co	30.27363	30.21962	30.32764	0.25231	ug/L	09/24/10	16:30	
61464-7	Cr	50.09833	49.76105	50.43561	0.95209	ug/L	09/24/10	16:30	
61464-7	Cu	44.02365	43.85765	44.18966	0.53327	ug/L	09/24/10	16:30	
61464-7	Fe	112606.12500	112551.03906	112661.21875	0.06918	ug/L	09/24/10	16:30	
61464-7	2Fe	112.58961	112.53226	112.64695	0.07203	mg/L	09/24/10	16:30	
61464-7	K	4949.90087	4944.72363	4955.07812	0.14791	ug/L	09/24/10	16:30	
61464-7	Mg	16869.79687	16853.55273	16886.04101	0.13617	ug/L	09/24/10	16:30	
61464-7	2Mg	16.84637	16.83014	16.86260	0.13624	mg/L	09/24/10	16:30	
61464-7	Mn	2489.27221	2487.52319	2491.02124	0.09936	ug/L	09/24/10	16:30	
61464-7	Mo	8.38489	7.87912	8.89066	8.53040	ug/L	09/24/10	16:30	
61464-7	Na	-321.70190	-275.47509	-367.92874	20.32148	ug/L	09/24/10	16:30	
61464-7	Ni	42.80561	42.23901	43.37221	1.87193	ug/L	09/24/10	16:30	
61464-7	Pb	69.92912	69.49327	70.36496	0.88143	ug/L	09/24/10	16:30	
61464-7	Se	3.26169	3.21330	3.31007	2.09799	ug/L	09/24/10	16:30	
61464-7	Sb	4.45861	6.15202	2.76520	53.71269	ug/L	09/24/10	16:30	
61464-7	Sn	20.45650	18.62089	22.29210	12.69002	ug/L	09/24/10	16:30	
61464-7	Sr	139.15451	138.76629	139.54270	0.39453	ug/L	09/24/10	16:30	
61464-7	Ti	5043.06347	5038.65332	5047.47314	0.12366	ug/L	09/24/10	16:30	
61464-7	Tl	-1.12637	-1.35365	-0.89909	28.53643	ug/L	09/24/10	16:30	
61464-7	V	109.14665	109.74845	108.54486	0.77974	ug/L	09/24/10	16:30	
61464-7	Zn	307.91455	307.67782	308.15130	0.10873	ug/L	09/24/10	16:30	
61464-7	2203/1	81.94420	82.90563	80.98278	1.65925	ug/L	09/24/10	16:30	
61464-7	2203/2	63.93058	62.79713	65.06402	2.50730	ug/L	09/24/10	16:30	
61464-7	1960/1	0.72159	0.11669	1.32649	118.55113	ug/L	09/24/10	16:30	
61464-7	1960/2	4.52983	4.75928	4.30038	7.16352	ug/L	09/24/10	16:30	
61464-7	Y	1074.11853	1077.20202	1071.03503	0.40598		09/24/10	16:30	
61464-8	Ag	-2.00695	-1.78584	-2.22806	15.58053	ug/L	09/24/10	16:35	
61464-8	Al	49270.76562	49330.08984	49211.43750	0.17028	ug/L	09/24/10	16:35	
61464-8	2Al	49.27041	49.33079	49.21004	0.17330	mg/L	09/24/10	16:35	
61464-8	As	15.37657	16.72111	14.03203	12.36598	ug/L	09/24/10	16:35	
61464-8	B	12.05619	12.11161	12.00076	0.65012	ug/L	09/24/10	16:35	
61464-8	Ba	192.59750	192.56555	192.62945	0.02346	ug/L	09/24/10	16:35	
61464-8	Be	6.69151	6.69125	6.69177	0.00543	ug/L	09/24/10	16:35	
61464-8	Ca	12459.26269	12484.08691	12434.43847	0.28177	ug/L	09/24/10	16:35	
61464-8	Cd	0.10766	-0.00880	0.22414	152.99137	ug/L	09/24/10	16:35	
61464-8	Co	24.43733	24.69277	24.18188	1.47827	ug/L	09/24/10	16:35	
61464-8	Cr	57.04036	57.34605	56.73468	0.75788	ug/L	09/24/10	16:35	
61464-8	Cu	52.99582	53.20697	52.78467	0.56346	ug/L	09/24/10	16:35	
61464-8	Fe	122503.27343	122827.10156	122179.44531	0.37383	ug/L	09/24/10	16:35	
61464-8	2Fe	122.48143	122.80793	122.15493	0.37699	mg/L	09/24/10	16:35	
61464-8	K	4158.07714	4151.12158	4165.03320	0.23657	ug/L	09/24/10	16:35	
61464-8	Mg	15204.63281	15261.76171	15147.50390	0.53136	ug/L	09/24/10	16:35	
61464-8	2Mg	15.17986	15.23692	15.12281	0.53155	mg/L	09/24/10	16:35	
61464-8	Mn	2322.62622	2325.86181	2319.39062	0.19701	ug/L	09/24/10	16:35	
61464-8	Mo	7.42710	8.53250	6.32171	21.04811	ug/L	09/24/10	16:35	
61464-8	Na	-10.73343	44.07431	-65.54118	722.13488	ug/L	09/24/10	16:35	
61464-8	Ni	33.01027	32.77737	33.24317	0.99777	ug/L	09/24/10	16:35	
61464-8	Pb	69.09638	70.11603	68.07672	2.08695	ug/L	09/24/10	16:35	
61464-8	Se	4.65960	3.84770	5.47151	24.64173	ug/L	09/24/10	16:35	
61464-8	Sb	1.61888	1.22406	2.01371	34.49084	ug/L	09/24/10	16:35	
61464-8	Sn	22.68960	22.48729	22.89192	1.26098	ug/L	09/24/10	16:35	
61464-8	Sr	127.33442	127.17304	127.49581	0.17923	ug/L	09/24/10	16:35	
61464-8	Ti	3635.63574	3637.54833	3633.72314	0.07439	ug/L	09/24/10	16:35	
61464-8	Tl	0.13005	4.81311	-4.55301	5092.50585	ug/L	09/24/10	16:35	
61464-8	V	122.14563	122.51364	121.77763	0.42607	ug/L	09/24/10	16:35	
61464-8	Zn	383.81869	385.31188	382.32550	0.55018	ug/L	09/24/10	16:35	
61464-8	2203/1	78.49658	79.70870	77.28444	2.18380	ug/L	09/24/10	16:35	
61464-8	2203/2	64.40333	65.32688	63.47977	2.02801	ug/L	09/24/10	16:35	
61464-8	1960/1	5.68687	8.37750	2.99625	66.91053	ug/L	09/24/10	16:35	
61464-8	1960/2	4.14674	1.58619	6.70729	87.32538	ug/L	09/24/10	16:35	
61464-8	Y	1077.42260	1078.00000	1076.84509	0.07579		09/24/10	16:35	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61464-9	Ag	-1.51257	-1.30994	-1.71520	18.94538	ug/L	09/24/10	16:41	
61464-9	Al	34520.20312	34522.80468	34517.59765	0.01066	ug/L	09/24/10	16:41	
61464-9	2Al	34.51853	34.52140	34.51567	0.01174	mg/L	09/24/10	16:41	
61464-9	As	8.97866	8.73509	9.22223	3.83648	ug/L	09/24/10	16:41	
61464-9	B	8.10405	7.70065	8.50746	7.03970	ug/L	09/24/10	16:41	
61464-9	Ba	126.97242	127.07427	126.87058	0.11343	ug/L	09/24/10	16:41	
61464-9	Be	4.08212	4.08337	4.08087	0.04321	ug/L	09/24/10	16:41	
61464-9	Ca	10223.85156	10209.74414	10237.95996	0.19514	ug/L	09/24/10	16:41	
61464-9	Cd	-0.18730	-0.14907	-0.22552	28.86146	ug/L	09/24/10	16:41	
61464-9	Co	18.71480	18.70858	18.72103	0.04704	ug/L	09/24/10	16:41	
61464-9	Cr	30.87685	30.95809	30.79562	0.37208	ug/L	09/24/10	16:41	
61464-9	Cu	30.94279	30.57168	31.31389	1.69608	ug/L	09/24/10	16:41	
61464-9	Fe	78495.37500	78421.49218	78569.25000	0.13310	ug/L	09/24/10	16:41	
61464-9	2Fe	78.47857	78.40517	78.55198	0.13228	mg/L	09/24/10	16:41	
61464-9	K	3577.43505	3588.56542	3566.30444	0.44000	ug/L	09/24/10	16:41	
61464-9	Mg	11564.74414	11556.50781	11572.97949	0.10071	ug/L	09/24/10	16:41	
61464-9	2Mg	11.54821	11.53999	11.55644	0.10067	mg/L	09/24/10	16:41	
61464-9	Mn	1179.55371	1178.98742	1180.11999	0.06789	ug/L	09/24/10	16:41	
61464-9	Mo	3.56336	4.13647	2.99025	22.74520	ug/L	09/24/10	16:41	
61464-9	Na	28.94518	-64.70990	122.60028	457.58319	ug/L	09/24/10	16:41	
61464-9	Ni	25.31864	24.56458	26.07269	4.21191	ug/L	09/24/10	16:41	
61464-9	Pb	37.32019	36.26830	38.37207	3.98602	ug/L	09/24/10	16:41	
61464-9	Se	3.95952	2.44093	5.47811	54.23913	ug/L	09/24/10	16:41	
61464-9	Sb	5.90132	6.68037	5.12227	18.66945	ug/L	09/24/10	16:41	
61464-9	Sn	18.78381	17.64982	19.91781	8.53772	ug/L	09/24/10	16:41	
61464-9	Sr	111.21171	111.02170	111.40173	0.24162	ug/L	09/24/10	16:41	
61464-9	Ti	3217.96435	3215.30444	3220.62451	0.11690	ug/L	09/24/10	16:41	
61464-9	Tl	-2.11692	0.09067	-4.32453	147.47920	ug/L	09/24/10	16:41	
61464-9	V	88.69277	88.64875	88.73679	0.07019	ug/L	09/24/10	16:41	
61464-9	Zn	222.08761	221.80653	222.36869	0.17898	ug/L	09/24/10	16:41	
61464-9	2203/1	44.81330	47.55609	42.07052	8.65563	ug/L	09/24/10	16:41	
61464-9	2203/2	33.57925	30.63287	36.52562	12.40885	ug/L	09/24/10	16:41	
61464-9	1960/1	2.14055	3.52003	0.76106	91.13964	ug/L	09/24/10	16:41	
61464-9	1960/2	4.86764	1.90218	7.83309	86.15643	ug/L	09/24/10	16:41	
61464-9	Y	1067.56298	1068.10205	1067.02404	0.07140		09/24/10	16:41	
61464-9L	Ag	-0.51730	-0.86693	-0.16768	95.58036	ug/L	09/24/10	16:46	
61464-9L	Al	7119.53222	7256.75927	6982.30468	2.72586	ug/L	09/24/10	16:46	
61464-9L	2Al	7.11959	7.25691	6.98226	2.72773	mg/L	09/24/10	16:46	
61464-9L	As	0.06729	0.87376	-0.73916	1694.67675	ug/L	09/24/10	16:46	
61464-9L	B	2.88184	2.68904	3.07464	9.46120	ug/L	09/24/10	16:46	
61464-9L	Ba	26.10468	26.45936	25.75000	1.92147	ug/L	09/24/10	16:46	
61464-9L	Be	0.83309	0.85168	0.81449	3.15683	ug/L	09/24/10	16:46	
61464-9L	Ca	2110.04809	2152.92529	2067.17089	2.87375	ug/L	09/24/10	16:46	
61464-9L	Cd	0.13238	-0.01107	0.27583	153.24751	ug/L	09/24/10	16:46	
61464-9L	Co	3.32219	3.35425	3.29012	1.36510	ug/L	09/24/10	16:46	
61464-9L	Cr	6.59745	6.46562	6.72929	2.82594	ug/L	09/24/10	16:46	
61464-9L	Cu	5.92902	6.04996	5.80807	2.88482	ug/L	09/24/10	16:46	
61464-9L	Fe	16162.89453	16482.60546	15843.18261	2.79739	ug/L	09/24/10	16:46	
61464-9L	2Fe	16.16038	16.48051	15.84024	2.80153	mg/L	09/24/10	16:46	
61464-9L	K	746.91394	735.99438	757.83343	2.06751	ug/L	09/24/10	16:46	
61464-9L	Mg	2377.94970	2423.86840	2332.03100	2.73087	ug/L	09/24/10	16:46	
61464-9L	2Mg	2.37454	2.42039	2.32869	2.73079	mg/L	09/24/10	16:46	
61464-9L	Mn	243.26663	248.05711	238.47615	2.78491	ug/L	09/24/10	16:46	
61464-9L	Mo	0.02751	0.52118	-0.46615	2537.55883	ug/L	09/24/10	16:46	
61464-9L	Na	331.03036	88.00117	574.05957	103.82587	ug/L	09/24/10	16:46	
61464-9L	Ni	5.68960	5.70707	5.67213	0.43422	ug/L	09/24/10	16:46	
61464-9L	Pb	6.98373	5.94093	8.02652	21.11669	ug/L	09/24/10	16:46	
61464-9L	Se	6.13281	7.57912	4.68651	33.35148	ug/L	09/24/10	16:46	
61464-9L	Sb	1.34172	-1.65219	4.33564	315.56790	ug/L	09/24/10	16:46	
61464-9L	Sn	2.84698	1.75639	3.93757	54.17411	ug/L	09/24/10	16:46	
61464-9L	Sr	22.94569	23.42080	22.47057	2.92827	ug/L	09/24/10	16:46	
61464-9L	Ti	660.88269	673.78314	647.98223	2.76094	ug/L	09/24/10	16:46	
61464-9L	Tl	-1.72893	-6.41981	2.96193	383.69781	ug/L	09/24/10	16:46	
61464-9L	V	19.21950	19.19000	19.24900	0.21706	ug/L	09/24/10	16:46	
61464-9L	Zn	46.75984	47.38734	46.13235	1.89781	ug/L	09/24/10	16:46	
61464-9L	2203/1	7.16882	4.38537	9.95226	54.90972	ug/L	09/24/10	16:46	
61464-9L	2203/2	6.89132	6.71755	7.06510	3.56615	ug/L	09/24/10	16:46	
61464-9L	1960/1	1.78345	-0.89406	4.46096	212.31745	ug/L	09/24/10	16:46	
61464-9L	1960/2	8.30424	11.80936	4.79911	59.69235	ug/L	09/24/10	16:46	
61464-9L	Y	1048.01904	1045.53405	1050.50402	0.33532		09/24/10	16:46	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61464-9A	Ag	38.65726	37.40304	39.91149	4.58837	ug/L	09/24/10	16:51	
61464-9A	Al	35909.21484	35799.70312	36018.72656	0.43129	ug/L	09/24/10	16:51	
61464-9A	2Al	35.90785	35.79781	36.01791	0.43341	mg/L	09/24/10	16:51	
61464-9A	As	1955.04248	1958.96972	1951.11511	0.28408	ug/L	09/24/10	16:51	
61464-9A	B	1006.15502	1007.06085	1005.24914	0.12732	ug/L	09/24/10	16:51	
61464-9A	Ba	2134.26562	2131.82543	2136.70605	0.16170	ug/L	09/24/10	16:51	
61464-9A	Be	53.40175	53.42281	53.38069	0.05576	ug/L	09/24/10	16:51	
61464-9A	Ca	15071.39648	15071.42968	15071.36425	0.00030	ug/L	09/24/10	16:51	
61464-9A	Cd	50.11746	49.91487	50.32006	0.57167	ug/L	09/24/10	16:51	
61464-9A	Co	513.95690	514.42700	513.48687	0.12934	ug/L	09/24/10	16:51	
61464-9A	Cr	229.16445	229.17788	229.15104	0.00828	ug/L	09/24/10	16:51	
61464-9A	Cu	275.53839	275.96646	275.11035	0.21970	ug/L	09/24/10	16:51	
61464-9A	Fe	77685.73437	77628.42968	77743.04687	0.10432	ug/L	09/24/10	16:51	
61464-9A	2Fe	77.66969	77.61146	77.72792	0.10602	mg/L	09/24/10	16:51	
61464-9A	K	8636.13867	8555.72558	8716.55273	1.31681	ug/L	09/24/10	16:51	
61464-9A	Mg	16423.20312	16440.64648	16405.75781	0.15021	ug/L	09/24/10	16:51	
61464-9A	2Mg	16.40566	16.42311	16.38821	0.15041	mg/L	09/24/10	16:51	
61464-9A	Mn	1649.67382	1650.03356	1649.31396	0.03084	ug/L	09/24/10	16:51	
61464-9A	Mo	496.18518	495.09832	497.27200	0.30976	ug/L	09/24/10	16:51	
61464-9A	Na	4821.78710	4695.95654	4947.61816	3.69057	ug/L	09/24/10	16:51	
61464-9A	Ni	518.26025	517.95581	518.56463	0.08306	ug/L	09/24/10	16:51	
61464-9A	Pb	527.62536	528.42358	526.82714	0.21394	ug/L	09/24/10	16:51	
61464-9A	Se	1983.89160	1984.15808	1983.62524	0.01899	ug/L	09/24/10	16:51	
61464-9A	Sb	470.77392	465.11685	476.43099	1.69939	ug/L	09/24/10	16:51	
61464-9A	Sn	1024.33410	1025.79248	1022.87573	0.20134	ug/L	09/24/10	16:51	
61464-9A	Sr	637.50335	636.38983	638.61688	0.24702	ug/L	09/24/10	16:51	
61464-9A	Ti	4140.47363	4139.34277	4141.60498	0.03863	ug/L	09/24/10	16:51	
61464-9A	Tl	2023.72241	2018.46618	2028.97851	0.36731	ug/L	09/24/10	16:51	
61464-9A	V	566.44384	565.58099	567.30676	0.21543	ug/L	09/24/10	16:51	
61464-9A	Zn	713.35717	713.85150	712.86279	0.09800	ug/L	09/24/10	16:51	
61464-9A	2203/1	522.88574	517.11352	528.65795	1.56117	ug/L	09/24/10	16:51	
61464-9A	2203/2	529.99163	534.07012	525.91314	1.08829	ug/L	09/24/10	16:51	
61464-9A	1960/1	1935.87731	1931.18798	1940.56665	0.34256	ug/L	09/24/10	16:51	
61464-9A	1960/2	2007.86279	2010.60339	2005.12231	0.19302	ug/L	09/24/10	16:51	
61464-9A	Y	1063.69897	1063.03405	1064.36401	0.08841		09/24/10	16:51	
61464-9S	Ag	36.27294	36.69374	35.85216	1.64057	ug/L	09/24/10	16:56	
61464-9S	Al	42376.19140	42516.94921	42235.43359	0.46974	ug/L	09/24/10	16:56	
61464-9S	2Al	42.37538	42.51712	42.23365	0.47301	mg/L	09/24/10	16:56	
61464-9S	As	2069.76708	2075.49121	2064.04321	0.39110	ug/L	09/24/10	16:56	
61464-9S	B	1050.52490	1054.94653	1046.10339	0.59523	ug/L	09/24/10	16:56	
61464-9S	Ba	2259.04614	2267.50341	2250.58886	0.52944	ug/L	09/24/10	16:56	
61464-9S	Be	57.32382	57.57107	57.07658	0.60996	ug/L	09/24/10	16:56	
61464-9S	Ca	17965.67773	18043.31835	17888.03710	0.61116	ug/L	09/24/10	16:56	
61464-9S	Cd	53.50484	53.49261	53.51707	0.03233	ug/L	09/24/10	16:56	
61464-9S	Co	554.18017	556.63842	551.72198	0.62731	ug/L	09/24/10	16:56	
61464-9S	Cr	278.27502	279.50152	277.04852	0.62331	ug/L	09/24/10	16:56	
61464-9S	Cu	298.64611	299.37466	297.91754	0.34500	ug/L	09/24/10	16:56	
61464-9S	Fe	95554.46875	95916.56250	95192.38281	0.53589	ug/L	09/24/10	16:56	
61464-9S	2Fe	95.53660	95.90095	95.17225	0.53934	mg/L	09/24/10	16:56	
61464-9S	K	7855.19531	7879.91943	7830.47070	0.44512	ug/L	09/24/10	16:56	
61464-9S	Mg	22280.60156	22365.67382	22195.52929	0.53997	ug/L	09/24/10	16:56	
61464-9S	2Mg	22.25862	22.34361	22.17363	0.53997	mg/L	09/24/10	16:56	
61464-9S	Mn	2426.49560	2438.27050	2414.72070	0.68626	ug/L	09/24/10	16:56	
61464-9S	Mo	529.26733	531.17260	527.36199	0.50910	ug/L	09/24/10	16:56	
61464-9S	Na	4933.69042	5122.42089	4744.95996	5.40984	ug/L	09/24/10	16:56	
61464-9S	Ni	567.08923	568.94824	565.23022	0.46360	ug/L	09/24/10	16:56	
61464-9S	Pb	567.30993	569.96752	564.65228	0.66250	ug/L	09/24/10	16:56	
61464-9S	Se	2093.53735	2107.11352	2079.96118	0.91708	ug/L	09/24/10	16:56	
61464-9S	Sb	492.74694	497.05526	488.43865	1.23650	ug/L	09/24/10	16:56	
61464-9S	Sn	1057.42651	1065.28332	1049.56970	1.05077	ug/L	09/24/10	16:56	
61464-9S	Sr	688.76220	692.85174	684.67266	0.83969	ug/L	09/24/10	16:56	
61464-9S	Ti	5274.33740	5296.40820	5252.26660	0.59178	ug/L	09/24/10	16:56	
61464-9S	Tl	2155.70361	2161.34277	2150.06445	0.36994	ug/L	09/24/10	16:56	
61464-9S	V	619.05981	621.80712	616.31256	0.62760	ug/L	09/24/10	16:56	
61464-9S	Zn	762.05371	765.80194	758.30554	0.69558	ug/L	09/24/10	16:56	
61464-9S	2203/1	570.99584	576.77191	565.21972	1.43059	ug/L	09/24/10	16:56	
61464-9S	2203/2	565.46972	566.57043	564.36901	0.27528	ug/L	09/24/10	16:56	
61464-9S	1960/1	2048.28149	2056.99536	2039.56762	0.60163	ug/L	09/24/10	16:56	
61464-9S	1960/2	2116.13134	2132.13500	2100.12768	1.06952	ug/L	09/24/10	16:56	
61464-9S	Y	1057.58801	1056.65002	1058.52600	0.12542		09/24/10	16:56	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61464-9SD	Ag	36.18675	36.41504	35.95845	0.89218	ug/L	09/24/10	17:01	
61464-9SD	Al	43348.40625	43320.40625	43376.40625	0.09134	ug/L	09/24/10	17:01	
61464-9SD	2Al	43.34957	43.32239	43.37676	0.08868	mg/L	09/24/10	17:01	
61464-9SD	As	2087.97973	2088.60009	2087.35937	0.04201	ug/L	09/24/10	17:01	
61464-9SD	B	1060.22656	1061.43566	1059.01757	0.16127	ug/L	09/24/10	17:01	
61464-9SD	Ba	2291.08300	2292.48730	2289.67871	0.08668	ug/L	09/24/10	17:01	
61464-9SD	Be	74.78407	74.81109	74.75705	0.05109	ug/L	09/24/10	17:01	
61464-9SD	Ca	17265.19140	17247.04492	17283.33984	0.14864	ug/L	09/24/10	17:01	
61464-9SD	Cd	53.90090	53.67166	54.13014	0.60146	ug/L	09/24/10	17:01	
61464-9SD	Co	557.17993	556.72552	557.63433	0.11533	ug/L	09/24/10	17:01	
61464-9SD	Cr	256.44836	256.69927	256.19741	0.13837	ug/L	09/24/10	17:01	
61464-9SD	Cu	303.90997	304.13763	303.68234	0.10593	ug/L	09/24/10	17:01	
61464-9SD	Fe	92266.01562	92192.80468	92339.21875	0.11220	ug/L	09/24/10	17:01	
61464-9SD	2Fe	92.25314	92.18135	92.32493	0.11005	mg/L	09/24/10	17:01	
61464-9SD	K	8205.46875	8225.33593	8185.60058	0.34241	ug/L	09/24/10	17:01	
61464-9SD	Mg	20059.33007	20039.91992	20078.74023	0.13684	ug/L	09/24/10	17:01	
61464-9SD	2Mg	20.03841	20.01902	20.05780	0.13685	mg/L	09/24/10	17:01	
61464-9SD	Mn	2106.58935	2105.99438	2107.18432	0.03994	ug/L	09/24/10	17:01	
61464-9SD	Mo	534.07244	533.64404	534.50085	0.11344	ug/L	09/24/10	17:01	
61464-9SD	Na	5168.60937	5127.28759	5209.93066	1.13062	ug/L	09/24/10	17:01	
61464-9SD	Ni	568.68750	568.35949	569.01550	0.08156	ug/L	09/24/10	17:01	
61464-9SD	Pb	565.02319	562.54443	567.50201	0.62042	ug/L	09/24/10	17:01	
61464-9SD	Se	2099.15820	2093.85424	2104.46240	0.35733	ug/L	09/24/10	17:01	
61464-9SD	Sb	495.55621	491.97113	499.14126	1.02310	ug/L	09/24/10	17:01	
61464-9SD	Sn	1069.11291	1063.55261	1074.67321	0.73551	ug/L	09/24/10	17:01	
61464-9SD	Sr	691.18359	691.85052	690.51666	0.13645	ug/L	09/24/10	17:01	
61464-9SD	Ti	4305.68164	4303.97265	4307.39111	0.05614	ug/L	09/24/10	17:01	
61464-9SD	Tl	2179.10791	2176.72314	2181.49291	0.15477	ug/L	09/24/10	17:01	
61464-9SD	V	615.61010	614.35028	616.86993	0.28941	ug/L	09/24/10	17:01	
61464-9SD	Zn	983.33599	982.30828	984.36370	0.14780	ug/L	09/24/10	17:01	
61464-9SD	2203/1	567.72808	564.65289	570.80328	0.76603	ug/L	09/24/10	17:01	
61464-9SD	2203/2	563.67279	561.49176	565.85382	0.54720	ug/L	09/24/10	17:01	
61464-9SD	1960/1	2056.20507	2047.71057	2064.69946	0.58422	ug/L	09/24/10	17:01	
61464-9SD	1960/2	2120.60302	2116.89160	2124.31420	0.24750	ug/L	09/24/10	17:01	
61464-9SD	Y	1039.00305	1041.34802	1036.65808	0.31917		09/24/10	17:01	
61464-10	Ag	-0.72619	-0.47471	-0.97768	48.97501	ug/L	09/24/10	17:07	
61464-10	Al	48277.34375	48189.93750	48364.75000	0.25604	ug/L	09/24/10	17:07	
61464-10	2Al	48.27628	48.19046	48.36209	0.25138	mg/L	09/24/10	17:07	
61464-10	As	14.49507	12.52940	16.46074	19.17807	ug/L	09/24/10	17:07	
61464-10	B	13.72141	13.20066	14.24216	5.36720	ug/L	09/24/10	17:07	
61464-10	Ba	156.41198	156.33908	156.48490	0.06592	ug/L	09/24/10	17:07	
61464-10	Be	10.49615	10.46599	10.52631	0.40632	ug/L	09/24/10	17:07	
61464-10	Ca	17236.70703	17200.81250	17272.60351	0.29451	ug/L	09/24/10	17:07	
61464-10	Cd	6.88922	7.07907	6.69936	3.89731	ug/L	09/24/10	17:07	
61464-10	Co	28.79553	28.64932	28.94173	0.71805	ug/L	09/24/10	17:07	
61464-10	Cr	65.12538	65.22749	65.02326	0.22173	ug/L	09/24/10	17:07	
61464-10	Cu	98.95294	99.40149	98.50440	0.64105	ug/L	09/24/10	17:07	
61464-10	Fe	79063.92187	78834.14062	79293.71093	0.41101	ug/L	09/24/10	17:07	
61464-10	2Fe	79.04867	78.82154	79.27581	0.40636	mg/L	09/24/10	17:07	
61464-10	K	3463.16357	3475.56909	3450.75830	0.50658	ug/L	09/24/10	17:07	
61464-10	Mg	19164.73437	19111.31640	19218.15234	0.39418	ug/L	09/24/10	17:07	
61464-10	2Mg	19.14598	19.09261	19.19934	0.39417	mg/L	09/24/10	17:07	
61464-10	Mn	1216.12866	1213.30236	1218.95483	0.32865	ug/L	09/24/10	17:07	
61464-10	Mo	5.07987	5.28444	4.87529	5.69535	ug/L	09/24/10	17:07	
61464-10	Na	307.08795	316.64428	297.53161	4.40092	ug/L	09/24/10	17:07	
61464-10	Ni	64.68408	64.65881	64.70935	0.05524	ug/L	09/24/10	17:07	
61464-10	Pb	65.02738	66.25772	63.79705	2.67572	ug/L	09/24/10	17:07	
61464-10	Se	8.20850	8.27295	8.14406	1.11028	ug/L	09/24/10	17:07	
61464-10	Sb	7.52925	8.70769	6.35080	22.13463	ug/L	09/24/10	17:07	
61464-10	Sn	19.25588	17.42758	21.08419	13.42764	ug/L	09/24/10	17:07	
61464-10	Sr	125.90197	125.68554	126.11840	0.24310	ug/L	09/24/10	17:07	
61464-10	Ti	3017.47119	3012.86523	3022.07739	0.21587	ug/L	09/24/10	17:07	
61464-10	Tl	9.22455	10.08962	8.35947	13.26241	ug/L	09/24/10	17:07	
61464-10	V	130.70843	130.73760	130.67927	0.03155	ug/L	09/24/10	17:07	
61464-10	Zn	250.67480	249.91575	251.43383	0.42822	ug/L	09/24/10	17:07	
61464-10	2203/1	77.20759	80.62220	73.79299	6.25454	ug/L	09/24/10	17:07	
61464-10	2203/2	58.94641	59.08624	58.80657	0.33548	ug/L	09/24/10	17:07	
61464-10	1960/1	8.22581	10.20082	6.25080	33.95509	ug/L	09/24/10	17:07	
61464-10	1960/2	8.19987	7.31046	9.08927	15.33938	ug/L	09/24/10	17:07	
61464-10	Y	1116.28662	1115.86303	1116.71008	0.05365		09/24/10	17:07	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61464-11	Ag	-1.20929	-0.78432	-1.63426	49.69818	ug/L	09/24/10	17:12	
61464-11	Al	25617.67578	25640.91601	25594.43554	0.12829	ug/L	09/24/10	17:12	
61464-11	2Al	25.61647	25.63926	25.59367	0.12584	mg/L	09/24/10	17:12	
61464-11	As	1.81129	2.03126	1.59132	17.17480	ug/L	09/24/10	17:12	
61464-11	B	6.19254	6.63314	5.75194	10.06211	ug/L	09/24/10	17:12	
61464-11	Ba	96.23717	96.19248	96.28186	0.06567	ug/L	09/24/10	17:12	
61464-11	Be	2.42690	2.43465	2.41915	0.45171	ug/L	09/24/10	17:12	
61464-11	Ca	7977.31445	7981.36865	7973.26074	0.07186	ug/L	09/24/10	17:12	
61464-11	Cd	0.02678	0.09982	-0.04625	385.65008	ug/L	09/24/10	17:12	
61464-11	Co	16.62716	16.56296	16.69136	0.54603	ug/L	09/24/10	17:12	
61464-11	Cr	39.95581	40.06261	39.84901	0.37801	ug/L	09/24/10	17:12	
61464-11	Cu	40.34266	40.69243	39.99290	1.22610	ug/L	09/24/10	17:12	
61464-11	Fe	47574.89453	47588.37500	47561.41406	0.04007	ug/L	09/24/10	17:12	
61464-11	2Fe	47.56521	47.57776	47.55265	0.03732	mg/L	09/24/10	17:12	
61464-11	K	3004.64501	3014.73046	2994.55981	0.47469	ug/L	09/24/10	17:12	
61464-11	Mg	9947.49804	9952.24023	9942.75488	0.06742	ug/L	09/24/10	17:12	
61464-11	2Mg	9.93658	9.94131	9.93184	0.06745	mg/L	09/24/10	17:12	
61464-11	Mn	554.70159	555.03112	554.37207	0.08401	ug/L	09/24/10	17:12	
61464-11	Mo	-0.00642	0.14577	-0.15861	3350.46191	ug/L	09/24/10	17:12	
61464-11	Na	559.77972	744.39068	375.16879	46.63964	ug/L	09/24/10	17:12	
61464-11	Ni	29.72704	29.97691	29.47717	1.18871	ug/L	09/24/10	17:12	
61464-11	Pb	20.52783	19.90388	21.15177	4.29852	ug/L	09/24/10	17:12	
61464-11	Se	2.04983	2.02496	2.07470	1.71587	ug/L	09/24/10	17:12	
61464-11	Sb	3.94777	4.69074	3.20480	26.61546	ug/L	09/24/10	17:12	
61464-11	Sn	16.38436	17.62665	15.14208	10.72274	ug/L	09/24/10	17:12	
61464-11	Sr	70.14538	70.24567	70.04510	0.20218	ug/L	09/24/10	17:12	
61464-11	Ti	2894.68896	2896.04687	2893.33105	0.06634	ug/L	09/24/10	17:12	
61464-11	Tl	-0.00127	-0.05988	0.05733	6506.86181	ug/L	09/24/10	17:12	
61464-11	V	75.15163	75.70181	74.60145	1.03533	ug/L	09/24/10	17:12	
61464-11	Zn	156.85176	156.78355	156.91996	0.06149	ug/L	09/24/10	17:12	
61464-11	2203/1	29.44624	30.97500	27.91749	7.34214	ug/L	09/24/10	17:12	
61464-11	2203/2	16.07530	14.37662	17.77399	14.94403	ug/L	09/24/10	17:12	
61464-11	1960/1	-5.00457	-5.21584	-4.79330	5.97015	ug/L	09/24/10	17:12	
61464-11	1960/2	5.57175	5.63994	5.50356	1.73076	ug/L	09/24/10	17:12	
61464-11	Y	1064.19604	1061.37500	1067.01708	0.37488		09/24/10	17:12	
61449-4	Ag	1.79878	1.66211	1.93545	10.74498	ug/L	09/24/10	17:17	
61449-4	Al	42483.17968	42490.39453	42475.96093	0.02402	ug/L	09/24/10	17:17	
61449-4	2Al	42.48223	42.48805	42.47640	0.01937	mg/L	09/24/10	17:17	
61449-4	As	27.60537	28.64561	26.56512	5.32914	ug/L	09/24/10	17:17	
61449-4	B	175.94638	176.36045	175.53230	0.33282	ug/L	09/24/10	17:17	
61449-4	Ba	1180.90112	1181.35913	1180.44299	0.05485	ug/L	09/24/10	17:17	
61449-4	Be	1.48248	1.49572	1.46925	1.26293	ug/L	09/24/10	17:17	
61449-4	Ca	868157.18750	867058.93750	869255.43750	0.17890	ug/L	09/24/10	17:17	
61449-4	Cd	0.66958	0.87007	0.46909	42.34474	ug/L	09/24/10	17:17	
61449-4	Co	10.57479	10.56032	10.58926	0.19356	ug/L	09/24/10	17:17	
61449-4	Cr	2375.46899	2372.82299	2378.11499	0.15752	ug/L	09/24/10	17:17	
61449-4	Cu	325.81433	324.79135	326.83734	0.44403	ug/L	09/24/10	17:17	
61449-4	Fe	206231.06250	205958.00000	206504.14062	0.18725	ug/L	09/24/10	17:17	
61449-4	2Fe	206.19088	205.91156	206.47019	0.19157	mg/L	09/24/10	17:17	
61449-4	K	14017.71093	14067.83984	13967.58300	0.50573	ug/L	09/24/10	17:17	
61449-4	Mg	40135.59765	40063.40234	40207.79296	0.25438	ug/L	09/24/10	17:17	
61449-4	2Mg	40.09987	40.02645	40.17329	0.25891	mg/L	09/24/10	17:17	
61449-4	Mn	28665.61914	28616.58398	28714.65429	0.24191	ug/L	09/24/10	17:17	
61449-4	Mo	26.18152	26.55553	25.80751	2.02022	ug/L	09/24/10	17:17	
61449-4	Na	3049.54296	3180.39233	2918.69360	6.06808	ug/L	09/24/10	17:17	
61449-4	Ni	67.64286	68.62893	66.65679	2.06158	ug/L	09/24/10	17:17	
61449-4	Pb	2.60400	3.56945	1.63855	52.43265	ug/L	09/24/10	17:17	
61449-4	Se	10.49059	10.83783	10.14334	4.68114	ug/L	09/24/10	17:17	
61449-4	Sb	11.66013	12.35928	10.96098	8.47970	ug/L	09/24/10	17:17	
61449-4	Sn	27.59957	28.57401	26.62512	4.99309	ug/L	09/24/10	17:17	
61449-4	Sr	1926.81030	1924.63647	1928.98413	0.15955	ug/L	09/24/10	17:17	
61449-4	Ti	3922.12036	3920.23364	3924.00708	0.06803	ug/L	09/24/10	17:17	
61449-4	Tl	7.40190	7.28207	7.52172	2.28936	ug/L	09/24/10	17:17	
61449-4	V	393.19256	392.48657	393.89852	0.25392	ug/L	09/24/10	17:17	
61449-4	Zn	135.88945	135.67864	136.10025	0.21938	ug/L	09/24/10	17:17	
61449-4	2203/1	16.53950	17.46947	15.60954	7.95168	ug/L	09/24/10	17:17	
61449-4	2203/2	-4.35329	-3.37013	-5.33646	31.93902	ug/L	09/24/10	17:17	
61449-4	1960/1	12.29389	13.37573	11.21204	12.44488	ug/L	09/24/10	17:17	
61449-4	1960/2	9.59029	9.57078	9.60979	0.28759	ug/L	09/24/10	17:17	
61449-4	Y	1003.26098	1006.18701	1000.33502	0.41245		09/24/10	17:17	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	495.88754	495.52825	496.24682	0.10246	ug/L	09/24/10	17:22	
CCV	Al	4960.66015	4949.46875	4971.85156	0.31905	ug/L	09/24/10	17:22	
CCV	2Al	4.96030	4.94911	4.97149	0.31902	mg/L	09/24/10	17:22	
CCV	As	517.25573	516.15716	518.35424	0.30034	ug/L	09/24/10	17:22	
CCV	B	5109.48046	5107.58593	5111.37451	0.05243	ug/L	09/24/10	17:22	
CCV	Ba	5006.98632	5009.36328	5004.60888	0.06714	ug/L	09/24/10	17:22	
CCV	Be	515.64086	515.35302	515.92877	0.07895	ug/L	09/24/10	17:22	
CCV	Ca	5277.41699	5213.79199	5341.04199	1.70498	ug/L	09/24/10	17:22	
CCV	Cd	525.84399	527.06188	524.62615	0.32753	ug/L	09/24/10	17:22	
CCV	Co	512.87390	512.16699	513.58081	0.19492	ug/L	09/24/10	17:22	
CCV	Cr	5123.18798	5119.66210	5126.71386	0.09732	ug/L	09/24/10	17:22	
CCV	Cu	4951.95312	4948.92724	4954.97851	0.08640	ug/L	09/24/10	17:22	
CCV	Fe	5175.12646	5159.28320	5190.96972	0.43295	ug/L	09/24/10	17:22	
CCV	2Fe	5.17511	5.15926	5.19095	0.43290	mg/L	09/24/10	17:22	
CCV	K	9801.31445	9818.57617	9784.05273	0.24906	ug/L	09/24/10	17:22	
CCV	Mg	5186.39355	5180.76464	5192.02197	0.15348	ug/L	09/24/10	17:22	
CCV	2Mg	5.18637	5.18074	5.19199	0.15338	mg/L	09/24/10	17:22	
CCV	Mn	5135.21093	5133.77685	5136.64453	0.03948	ug/L	09/24/10	17:22	
CCV	Mo	513.16418	514.21087	512.11743	0.28846	ug/L	09/24/10	17:22	
CCV	Na	7498.62597	7542.71289	7454.53955	0.83145	ug/L	09/24/10	17:22	
CCV	Ni	2589.30957	2590.42211	2588.19702	0.06076	ug/L	09/24/10	17:22	
CCV	Pb	525.22534	525.35015	525.10046	0.03361	ug/L	09/24/10	17:22	
CCV	Se	5267.28222	5261.46630	5273.09863	0.15615	ug/L	09/24/10	17:22	
CCV	Sb	509.62548	510.30178	508.94915	0.18767	ug/L	09/24/10	17:22	
CCV	Sn	5187.74462	5188.24023	5187.24902	0.01351	ug/L	09/24/10	17:22	
CCV	Sr	2569.43652	2577.06835	2561.80444	0.42006	ug/L	09/24/10	17:22	
CCV	Ti	509.91946	509.84310	509.99581	0.02117	ug/L	09/24/10	17:22	
CCV	Tl	5210.50488	5211.67382	5209.33544	0.03173	ug/L	09/24/10	17:22	
CCV	V	5026.33496	5026.90380	5025.76660	0.01599	ug/L	09/24/10	17:22	
CCV	Zn	2624.00585	2624.72509	2623.28637	0.03877	ug/L	09/24/10	17:22	
CCV	2203/1	522.62194	525.19116	520.05267	0.69523	ug/L	09/24/10	17:22	
CCV	2203/2	526.52075	525.42523	527.61627	0.29425	ug/L	09/24/10	17:22	
CCV	1960/1	5158.09375	5146.45312	5169.73437	0.31915	ug/L	09/24/10	17:22	
CCV	1960/2	5321.79492	5318.88671	5324.70312	0.07728	ug/L	09/24/10	17:22	
CCV	Y	1040.40307	1044.76403	1036.04199	0.59279		09/24/10	17:22	
CCB	Ag	-0.08517	0.36923	-0.53957	754.48138	ug/L	09/24/10	17:29	
CCB	Al	24.52407	26.48249	22.56564	11.29350	ug/L	09/24/10	17:29	
CCB	2Al	0.02452	0.02648	0.02256	11.29344	mg/L	09/24/10	17:29	
CCB	As	-2.29561	-0.42748	-4.16373	115.08581	ug/L	09/24/10	17:29	
CCB	B	6.76797	8.70295	4.83300	40.43263	ug/L	09/24/10	17:29	
CCB	Ba	0.23289	0.35698	0.10881	75.34799	ug/L	09/24/10	17:29	
CCB	Be	0.02677	0.05086	0.00267	127.28466	ug/L	09/24/10	17:29	
CCB	Ca	-0.84932	0.30681	-2.00545	192.50872	ug/L	09/24/10	17:29	
CCB	Cd	0.24424	0.46500	0.02347	127.82962	ug/L	09/24/10	17:29	
CCB	Co	0.21627	0.52491	-0.09235	201.81202	ug/L	09/24/10	17:29	
CCB	Cr	0.23651	0.38678	0.08623	89.85826	ug/L	09/24/10	17:29	
CCB	Cu	-0.07700	0.12621	-0.28021	373.23474	ug/L	09/24/10	17:29	
CCB	Fe	11.83766	25.34613	-1.67081	161.38218	ug/L	09/24/10	17:29	
CCB	2Fe	0.01183	0.02534	-0.00167	161.38119	mg/L	09/24/10	17:29	
CCB	K	40.08672	67.63673	12.53671	97.19325	ug/L	09/24/10	17:29	
CCB	Mg	0.06145	3.69422	-3.57132	8360.22460	ug/L	09/24/10	17:29	
CCB	2Mg	0.00005	0.00368	-0.00357	8642.91308	mg/L	09/24/10	17:29	
CCB	Mn	0.06982	0.14026	-0.00061	142.66543	ug/L	09/24/10	17:29	
CCB	Mo	0.49409	2.24536	-1.25717	501.25289	ug/L	09/24/10	17:29	
CCB	Na	227.66101	202.15579	253.16622	15.84365	ug/L	09/24/10	17:29	
CCB	Ni	1.06344	1.34666	0.78022	37.66361	ug/L	09/24/10	17:29	
CCB	Pb	0.88118	2.32929	-0.56692	232.40699	ug/L	09/24/10	17:29	
CCB	Se	5.54185	8.77385	2.30985	82.47674	ug/L	09/24/10	17:29	
CCB	Sb	3.56073	5.09771	2.02376	61.04386	ug/L	09/24/10	17:29	
CCB	Sn	2.58444	3.22023	1.94865	34.79052	ug/L	09/24/10	17:29	
CCB	Sr	0.04874	0.10390	-0.00642	160.07063	ug/L	09/24/10	17:29	
CCB	Ti	0.40997	0.60332	0.21662	66.69646	ug/L	09/24/10	17:29	
CCB	Tl	6.15868	8.84496	3.47240	61.68473	ug/L	09/24/10	17:29	
CCB	V	1.58833	2.38973	0.78692	71.35527	ug/L	09/24/10	17:29	
CCB	Zn	-0.07583	0.38962	-0.54128	868.07043	ug/L	09/24/10	17:29	
CCB	2203/1	3.83333	2.24762	5.41904	58.50094	ug/L	09/24/10	17:29	
CCB	2203/2	-0.59267	2.37007	-3.55542	706.95483	ug/L	09/24/10	17:29	
CCB	1960/1	8.16299	7.37636	8.94962	13.62813	ug/L	09/24/10	17:29	
CCB	1960/2	4.23324	9.47155	-1.00505	174.99757	ug/L	09/24/10	17:29	
CCB	Y	1053.47204	1048.23608	1058.70800	0.70289		09/24/10	17:29	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP	Ag	9.45104	9.36033	9.54175	1.35736	ug/L	09/24/10	17:39	
RL ICP	Al	229.72152	225.43725	234.00579	2.63748	ug/L	09/24/10	17:39	
RL ICP	2Al	0.22973	0.22544	0.23401	2.63748	mg/L	09/24/10	17:39	
RL ICP	As	18.87610	17.45759	20.29460	10.62757	ug/L	09/24/10	17:39	
RL ICP	B	107.99890	107.84734	108.15046	0.19846	ug/L	09/24/10	17:39	
RL ICP	Ba	10.15986	10.17814	10.14159	0.25443	ug/L	09/24/10	17:39	
RL ICP	Be	4.15558	4.16124	4.14992	0.19274	ug/L	09/24/10	17:39	
RL ICP	Ca	522.04266	522.62176	521.46356	0.15687	ug/L	09/24/10	17:39	
RL ICP	Cd	5.55161	5.52649	5.57672	0.63969	ug/L	09/24/10	17:39	
RL ICP	Co	10.39271	9.96332	10.82210	5.84299	ug/L	09/24/10	17:39	
RL ICP	Cr	10.11846	9.80564	10.43127	4.37209	ug/L	09/24/10	17:39	
RL ICP	Cu	21.03992	20.33879	21.74106	4.71271	ug/L	09/24/10	17:39	
RL ICP	Fe	45.59902	50.67606	40.52199	15.74598	ug/L	09/24/10	17:39	
RL ICP	2Fe	0.04559	0.05067	0.04052	15.74402	mg/L	09/24/10	17:39	
RL ICP	K	988.85949	986.33349	991.38555	0.36125	ug/L	09/24/10	17:39	
RL ICP	Mg	533.50695	532.05615	534.95770	0.38456	ug/L	09/24/10	17:39	
RL ICP	2Mg	0.53335	0.53190	0.53480	0.38481	mg/L	09/24/10	17:39	
RL ICP	Mn	10.42175	10.41312	10.43039	0.11719	ug/L	09/24/10	17:39	
RL ICP	Mo	11.52223	11.58431	11.46014	0.76204	ug/L	09/24/10	17:39	
RL ICP	Na	1008.44873	950.55999	1066.33752	8.11811	ug/L	09/24/10	17:39	
RL ICP	Ni	42.55149	42.32170	42.78127	0.76369	ug/L	09/24/10	17:39	
RL ICP	Pb	11.37693	12.68275	10.07112	16.23193	ug/L	09/24/10	17:39	
RL ICP	Se	25.54906	25.57465	25.52346	0.14168	ug/L	09/24/10	17:39	
RL ICP	Sb	24.69567	25.39141	23.99994	3.98418	ug/L	09/24/10	17:39	
RL ICP	Sn	54.62527	53.64147	55.60906	2.54698	ug/L	09/24/10	17:39	
RL ICP	Sr	10.69228	10.68665	10.69792	0.07455	ug/L	09/24/10	17:39	
RL ICP	Ti	10.38609	10.34007	10.43212	0.62665	ug/L	09/24/10	17:39	
RL ICP	Tl	23.12305	25.47622	20.76989	14.39201	ug/L	09/24/10	17:39	
RL ICP	V	10.05409	9.86793	10.24024	2.61849	ug/L	09/24/10	17:39	
RL ICP	Zn	23.14835	23.13436	23.16235	0.08550	ug/L	09/24/10	17:39	
RL ICP	2203/1	11.14662	10.72516	11.56807	5.34716	ug/L	09/24/10	17:39	
RL ICP	2203/2	11.49192	13.66007	9.32377	26.68159	ug/L	09/24/10	17:39	
RL ICP	1960/1	22.37683	19.15655	25.59711	20.35213	ug/L	09/24/10	17:39	
RL ICP	1960/2	27.13277	28.77887	25.48666	8.57980	ug/L	09/24/10	17:39	
RL ICP	Y	1031.63208	1034.44604	1028.81799	0.38576		09/24/10	17:39	
ICSA61	Ag	-0.10490	-0.60346	0.39365	672.09503	ug/L	09/24/10	17:43	
ICSA61	Al	524187.09375	524512.00000	523862.18750	0.08765	ug/L	09/24/10	17:43	
ICSA61	2Al	524.19482	524.51153	523.87817	0.08543	mg/L	09/24/10	17:43	
ICSA61	As	-3.64336	-6.27157	-1.01514	102.01722	ug/L	09/24/10	17:43	
ICSA61	B	15.59430	15.58830	15.60030	0.05441	ug/L	09/24/10	17:43	
ICSA61	Ba	1.07163	1.07682	1.06645	0.68400	ug/L	09/24/10	17:43	
ICSA61	Be	0.04386	0.04104	0.04667	9.07808	ug/L	09/24/10	17:43	
ICSA61	Ca	563654.62500	563622.12500	563687.06250	0.00814	ug/L	09/24/10	17:43	
ICSA61	Cd	0.98271	0.92001	1.04541	9.02323	ug/L	09/24/10	17:43	
ICSA61	Co	0.37260	-0.24884	0.99406	235.86770	ug/L	09/24/10	17:43	
ICSA61	Cr	1.95648	1.46622	2.44674	35.43784	ug/L	09/24/10	17:43	
ICSA61	Cu	1.87369	1.68175	2.06564	14.48735	ug/L	09/24/10	17:43	
ICSA61	Fe	198883.48437	198962.85937	198804.10937	0.05644	ug/L	09/24/10	17:43	
ICSA61	2Fe	198.85214	198.92845	198.77583	0.05427	mg/L	09/24/10	17:43	
ICSA61	K	19.44369	20.72623	18.16115	9.32839	ug/L	09/24/10	17:43	
ICSA61	Mg	547969.06250	547605.00000	548333.12500	0.09395	ug/L	09/24/10	17:43	
ICSA61	2Mg	547.76336	547.39141	548.13531	0.09602	mg/L	09/24/10	17:43	
ICSA61	Mn	-1.26022	-1.35841	-1.16204	11.01819	ug/L	09/24/10	17:43	
ICSA61	Mo	-0.97022	-1.98519	0.04474	147.94340	ug/L	09/24/10	17:43	
ICSA61	Na	248.88360	493.91299	3.85421	139.23130	ug/L	09/24/10	17:43	
ICSA61	Ni	-0.22728	0.05907	-0.51365	178.17997	ug/L	09/24/10	17:43	
ICSA61	Pb	-2.54491	0.43153	-5.52137	165.40199	ug/L	09/24/10	17:43	
ICSA61	Se	1.72127	-2.60638	6.04894	355.56350	ug/L	09/24/10	17:43	
ICSA61	Sb	6.46817	6.71549	6.22085	5.40748	ug/L	09/24/10	17:43	
ICSA61	Sn	2.84602	1.30687	4.38517	76.48160	ug/L	09/24/10	17:43	
ICSA61	Sr	2.61421	2.58606	2.64236	1.52270	ug/L	09/24/10	17:43	
ICSA61	Ti	2.06360	2.00523	2.12196	3.99980	ug/L	09/24/10	17:43	
ICSA61	Tl	0.98610	-3.57739	5.54959	654.47106	ug/L	09/24/10	17:43	
ICSA61	V	2.31094	3.76563	0.85625	89.02176	ug/L	09/24/10	17:43	
ICSA61	Zn	4.38925	4.32994	4.44856	1.91084	ug/L	09/24/10	17:43	
ICSA61	2203/1	73.43301	74.64453	72.22148	2.33322	ug/L	09/24/10	17:43	
ICSA61	2203/2	-40.47692	-36.61933	-44.33452	13.47796	ug/L	09/24/10	17:43	
ICSA61	1960/1	-2.06546	-8.60948	4.47855	448.06494	ug/L	09/24/10	17:43	
ICSA61	1960/2	3.61181	0.39066	6.83296	126.12473	ug/L	09/24/10	17:43	
ICSA61	Y	954.14550	955.10803	953.18304	0.14265		09/24/10	17:43	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB61	Ag	210.30889	212.52262	208.09516	1.48861	ug/L	09/24/10	17:50	
ICSAB61	Al	525267.25000	526294.12500	524240.34375	0.27647	ug/L	09/24/10	17:50	
ICSAB61	2Al	525.28100	526.31713	524.24481	0.27896	mg/L	09/24/10	17:50	
ICSAB61	As	108.66504	108.19320	109.13688	0.61407	ug/L	09/24/10	17:50	
ICSAB61	B	16.26841	17.84568	14.69114	13.71118	ug/L	09/24/10	17:50	
ICSAB61	Ba	539.10180	539.55108	538.65258	0.11785	ug/L	09/24/10	17:50	
ICSAB61	Be	536.65954	538.02789	535.29125	0.36058	ug/L	09/24/10	17:50	
ICSAB61	Ca	564967.06250	566829.50000	563104.62500	0.46620	ug/L	09/24/10	17:50	
ICSAB61	Cd	1040.27270	1045.80151	1034.74377	0.75163	ug/L	09/24/10	17:50	
ICSAB61	Co	500.47967	502.57116	498.38821	0.59099	ug/L	09/24/10	17:50	
ICSAB61	Cr	509.77947	511.61749	507.94146	0.50989	ug/L	09/24/10	17:50	
ICSAB61	Cu	540.96795	541.47302	540.46289	0.13203	ug/L	09/24/10	17:50	
ICSAB61	Fe	199721.54687	200280.07812	199163.01562	0.39549	ug/L	09/24/10	17:50	
ICSAB61	2Fe	199.69293	200.25489	199.13096	0.39798	mg/L	09/24/10	17:50	
ICSAB61	K	-67.53104	-15.30038	-119.76170	109.37976	ug/L	09/24/10	17:50	
ICSAB61	Mg	548996.87500	551522.50000	546471.25000	0.65059	ug/L	09/24/10	17:50	
ICSAB61	2Mg	548.79656	551.33184	546.26129	0.65332	mg/L	09/24/10	17:50	
ICSAB61	Mn	510.41009	511.73715	509.08306	0.36768	ug/L	09/24/10	17:50	
ICSAB61	Mo	1029.08056	1029.59741	1028.56384	0.07101	ug/L	09/24/10	17:50	
ICSAB61	Na	56.20389	42.34794	70.05985	34.86462	ug/L	09/24/10	17:50	
ICSAB61	Ni	998.04113	1001.07690	995.00537	0.43016	ug/L	09/24/10	17:50	
ICSAB61	Pb	49.05738	48.65843	49.45632	1.15006	ug/L	09/24/10	17:50	
ICSAB61	Se	57.27821	56.50934	58.04707	1.89834	ug/L	09/24/10	17:50	
ICSAB61	Sb	625.00341	626.95599	623.05078	0.44182	ug/L	09/24/10	17:50	
ICSAB61	Sn	1020.16833	1022.92340	1017.41326	0.38192	ug/L	09/24/10	17:50	
ICSAB61	Sr	2.53967	2.56250	2.51684	1.27139	ug/L	09/24/10	17:50	
ICSAB61	Ti	1.91463	2.09045	1.73882	12.98620	ug/L	09/24/10	17:50	
ICSAB61	Tl	101.67633	99.88069	103.47196	2.49754	ug/L	09/24/10	17:50	
ICSAB61	V	514.05920	516.13134	511.98699	0.57006	ug/L	09/24/10	17:50	
ICSAB61	Zn	1037.83471	1042.92407	1032.74548	0.69349	ug/L	09/24/10	17:50	
ICSAB61	2203/1	119.87474	130.18624	109.56324	12.16491	ug/L	09/24/10	17:50	
ICSAB61	2203/2	13.70178	7.95564	19.44791	59.30807	ug/L	09/24/10	17:50	
ICSAB61	1960/1	59.06509	62.02560	56.10457	7.08844	ug/L	09/24/10	17:50	
ICSAB61	1960/2	56.38611	53.75535	59.01687	6.59817	ug/L	09/24/10	17:50	
ICSAB61	Y	967.73254	961.47100	973.99401	0.91503		09/24/10	17:50	
CCV	Ag	492.43603	492.41510	492.45693	0.00600	ug/L	09/24/10	17:58	
CCV	Al	4892.26171	4891.37304	4893.15087	0.02569	ug/L	09/24/10	17:58	
CCV	2Al	4.89217	4.89119	4.89315	0.02829	mg/L	09/24/10	17:58	
CCV	As	515.26135	515.33245	515.19030	0.01950	ug/L	09/24/10	17:58	
CCV	B	5102.18554	5096.56494	5107.80615	0.15579	ug/L	09/24/10	17:58	
CCV	Ba	4957.80273	4958.40771	4957.19775	0.01725	ug/L	09/24/10	17:58	
CCV	Be	514.20611	513.85528	514.55694	0.09648	ug/L	09/24/10	17:58	
CCV	Ca	5095.07910	5097.00732	5093.15087	0.05352	ug/L	09/24/10	17:58	
CCV	Cd	525.70935	525.98577	525.43292	0.07436	ug/L	09/24/10	17:58	
CCV	Co	509.44580	510.06765	508.82394	0.17262	ug/L	09/24/10	17:58	
CCV	Cr	5088.69042	5087.82910	5089.55126	0.02393	ug/L	09/24/10	17:58	
CCV	Cu	4911.39697	4913.90478	4908.88916	0.07221	ug/L	09/24/10	17:58	
CCV	Fe	5103.18261	5090.08203	5116.28320	0.36304	ug/L	09/24/10	17:58	
CCV	2Fe	5.10317	5.09007	5.11627	0.36300	mg/L	09/24/10	17:58	
CCV	K	9708.93652	9730.27441	9687.59863	0.31080	ug/L	09/24/10	17:58	
CCV	Mg	5154.62744	5158.10400	5151.15087	0.09538	ug/L	09/24/10	17:58	
CCV	2Mg	5.15460	5.15808	5.15112	0.09541	mg/L	09/24/10	17:58	
CCV	Mn	5083.21093	5082.47021	5083.95117	0.02060	ug/L	09/24/10	17:58	
CCV	Mo	509.35708	507.20117	511.51300	0.59858	ug/L	09/24/10	17:58	
CCV	Na	7683.47656	7873.47802	7493.47558	3.49714	ug/L	09/24/10	17:58	
CCV	Ni	2576.79589	2579.18676	2574.40502	0.13121	ug/L	09/24/10	17:58	
CCV	Pb	521.26232	524.66229	517.86236	0.92242	ug/L	09/24/10	17:58	
CCV	Se	5251.09667	5247.57226	5254.62060	0.09491	ug/L	09/24/10	17:58	
CCV	Sb	504.51467	501.75616	507.27319	0.77324	ug/L	09/24/10	17:58	
CCV	Sn	5167.19531	5168.97949	5165.41064	0.04883	ug/L	09/24/10	17:58	
CCV	Sr	2554.75292	2552.60473	2556.90087	0.11890	ug/L	09/24/10	17:58	
CCV	Ti	501.32873	501.33541	501.32202	0.00188	ug/L	09/24/10	17:58	
CCV	Tl	5182.42529	5188.02783	5176.82275	0.15288	ug/L	09/24/10	17:58	
CCV	V	5001.35644	5000.60058	5002.11279	0.02138	ug/L	09/24/10	17:58	
CCV	Zn	2616.84912	2616.93310	2616.76538	0.00453	ug/L	09/24/10	17:58	
CCV	2203/1	517.07824	521.17437	512.98217	1.12028	ug/L	09/24/10	17:58	
CCV	2203/2	523.34692	526.39935	520.29449	0.82484	ug/L	09/24/10	17:58	
CCV	1960/1	5169.90429	5166.75927	5173.04882	0.08602	ug/L	09/24/10	17:58	
CCV	1960/2	5291.63183	5287.91796	5295.34570	0.09925	ug/L	09/24/10	17:58	
CCV	Y	1046.27954	1045.31701	1047.24206	0.13010		09/24/10	17:58	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.50038	0.91694	0.08383	117.72814	ug/L	09/24/10	18:07	
CCB	Al	21.63318	16.95977	26.30658	30.55118	ug/L	09/24/10	18:07	
CCB	2Al	0.02163	0.01696	0.02630	30.55118	mg/L	09/24/10	18:07	
CCB	As	-0.65171	-0.94946	-0.35396	64.61201	ug/L	09/24/10	18:07	
CCB	B	9.93726	11.94246	7.93205	28.53690	ug/L	09/24/10	18:07	
CCB	Ba	0.11491	0.07535	0.15448	48.69095	ug/L	09/24/10	18:07	
CCB	Be	-0.00663	0.00423	-0.01749	231.70562	ug/L	09/24/10	18:07	
CCB	Ca	-1.08175	-0.29411	-1.86940	102.97131	ug/L	09/24/10	18:07	
CCB	Cd	0.25239	0.12124	0.38355	73.48855	ug/L	09/24/10	18:07	
CCB	Co	-0.15052	-0.28837	-0.01267	129.50961	ug/L	09/24/10	18:07	
CCB	Cr	-0.00673	0.12621	-0.13969	2790.72778	ug/L	09/24/10	18:07	
CCB	Cu	-0.33997	-0.59527	-0.08466	106.20187	ug/L	09/24/10	18:07	
CCB	Fe	10.60600	18.13057	3.08143	100.33324	ug/L	09/24/10	18:07	
CCB	2Fe	0.01060	0.01812	0.00308	100.33208	mg/L	09/24/10	18:07	
CCB	K	26.91416	29.42734	24.40099	13.20556	ug/L	09/24/10	18:07	
CCB	Mg	-2.42067	-3.65069	-1.19065	71.86066	ug/L	09/24/10	18:07	
CCB	2Mg	-0.00242	-0.00365	-0.00119	71.88356	mg/L	09/24/10	18:07	
CCB	Mn	0.05166	0.04205	0.06128	26.32170	ug/L	09/24/10	18:07	
CCB	Mo	1.69849	0.64846	2.74851	87.42803	ug/L	09/24/10	18:07	
CCB	Na	141.90275	121.79257	162.01293	20.04195	ug/L	09/24/10	18:07	
CCB	Ni	-0.07764	0.11920	-0.27450	358.53811	ug/L	09/24/10	18:07	
CCB	Pb	-0.65943	-1.39312	0.07426	157.34777	ug/L	09/24/10	18:07	
CCB	Se	5.19138	3.68054	6.70223	41.15774	ug/L	09/24/10	18:07	
CCB	Sb	5.19811	3.38544	7.01078	49.31594	ug/L	09/24/10	18:07	
CCB	Sn	2.96281	2.80191	3.12372	7.68040	ug/L	09/24/10	18:07	
CCB	Sr	0.00538	-0.01207	0.02283	458.71945	ug/L	09/24/10	18:07	
CCB	Ti	0.09280	0.02714	0.15846	100.05632	ug/L	09/24/10	18:07	
CCB	Tl	8.70356	9.93019	7.47693	19.93115	ug/L	09/24/10	18:07	
CCB	V	1.11106	1.15786	1.06426	5.95705	ug/L	09/24/10	18:07	
CCB	Zn	-0.00348	0.04642	-0.05338	2027.86950	ug/L	09/24/10	18:07	
CCB	2203/1	3.88344	4.24408	3.52279	13.13332	ug/L	09/24/10	18:07	
CCB	2203/2	-2.92745	-4.20749	-1.64741	61.83688	ug/L	09/24/10	18:07	
CCB	1960/1	5.51536	6.01230	5.01841	12.74240	ug/L	09/24/10	18:07	
CCB	1960/2	5.02964	2.51640	7.54287	70.66611	ug/L	09/24/10	18:07	
CCB	Y	1042.69201	1040.76000	1044.62402	0.26204		09/24/10	18:07	
PBW 180580	Ag	-0.88664	-1.07020	-0.70308	29.27792	ug/L	09/24/10	18:19	
PBW 180580	Al	38.59207	48.55857	28.62557	36.52241	ug/L	09/24/10	18:19	
PBW 180580	2Al	0.03859	0.04856	0.02862	36.52243	mg/L	09/24/10	18:19	
PBW 180580	As	-0.02626	3.79752	-3.85004	20590.00000	ug/L	09/24/10	18:19	
PBW 180580	B	2.18995	3.78781	0.59208	103.18584	ug/L	09/24/10	18:19	
PBW 180580	Ba	-0.03107	-0.25967	0.19752	1040.36999	ug/L	09/24/10	18:19	
PBW 180580	Be	-0.02907	-0.03384	-0.02430	23.18515	ug/L	09/24/10	18:19	
PBW 180580	Ca	-0.23176	-0.10601	-0.35751	76.73099	ug/L	09/24/10	18:19	
PBW 180580	Cd	0.07603	-0.09799	0.25005	323.70092	ug/L	09/24/10	18:19	
PBW 180580	Co	0.35550	1.06825	-0.35725	283.53851	ug/L	09/24/10	18:19	
PBW 180580	Cr	0.60862	1.52238	-0.30513	212.32176	ug/L	09/24/10	18:19	
PBW 180580	Cu	0.68351	1.62201	-0.25499	194.18060	ug/L	09/24/10	18:19	
PBW 180580	Fe	-19.71286	-37.73078	-1.69495	129.26167	ug/L	09/24/10	18:19	
PBW 180580	2Fe	-0.01971	-0.03772	-0.00169	129.26074	mg/L	09/24/10	18:19	
PBW 180580	K	-15.36928	-41.16490	10.42633	237.35986	ug/L	09/24/10	18:19	
PBW 180580	Mg	3.67960	10.90946	-3.55024	277.87078	ug/L	09/24/10	18:19	
PBW 180580	2Mg	0.00368	0.01091	-0.00354	277.72372	mg/L	09/24/10	18:19	
PBW 180580	Mn	0.31920	0.55149	0.08691	102.91265	ug/L	09/24/10	18:19	
PBW 180580	Mo	-0.82977	-1.13629	-0.52325	52.24147	ug/L	09/24/10	18:19	
PBW 180580	Na	-182.69621	-376.88525	11.49284	150.31773	ug/L	09/24/10	18:19	
PBW 180580	Ni	0.74988	0.83894	0.66082	16.79543	ug/L	09/24/10	18:19	
PBW 180580	Pb	0.30162	0.85823	-0.25499	260.98010	ug/L	09/24/10	18:19	
PBW 180580	Se	0.56923	-2.05052	3.18900	650.85540	ug/L	09/24/10	18:19	
PBW 180580	Sb	1.26144	-1.06443	3.58732	260.75613	ug/L	09/24/10	18:19	
PBW 180580	Sn	-0.71660	-2.31881	0.88560	316.19522	ug/L	09/24/10	18:19	
PBW 180580	Sr	0.06548	0.15460	-0.02363	192.46139	ug/L	09/24/10	18:19	
PBW 180580	Ti	0.25464	0.67491	-0.16562	233.40650	ug/L	09/24/10	18:19	
PBW 180580	Tl	4.76780	0.03800	9.49761	140.29403	ug/L	09/24/10	18:19	
PBW 180580	V	-0.47911	-0.82491	-0.13332	102.06840	ug/L	09/24/10	18:19	
PBW 180580	Zn	0.11791	0.67905	-0.44322	673.02056	ug/L	09/24/10	18:19	
PBW 180580	2203/1	-0.27426	-4.58653	4.03800	2223.56347	ug/L	09/24/10	18:19	
PBW 180580	2203/2	0.58913	3.57654	-2.39827	717.12493	ug/L	09/24/10	18:19	
PBW 180580	1960/1	-0.47191	-6.10272	5.15889	1687.42114	ug/L	09/24/10	18:19	
PBW 180580	1960/2	1.08903	-0.02746	2.20552	144.98834	ug/L	09/24/10	18:19	
PBW 180580	Y	1060.31799	1057.42700	1063.20898	0.38558		09/24/10	18:19	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	32.11168	31.65315	32.57022	2.01939	ug/L	09/24/10	18:24	
LCSW-1	Al	1963.31909	1965.04333	1961.59497	0.12419	ug/L	09/24/10	18:24	
LCSW-1	2Al	1.96322	1.96495	1.96150	0.12416	mg/L	09/24/10	18:24	
LCSW-1	As	2044.38183	2047.01892	2041.74487	0.18241	ug/L	09/24/10	18:24	
LCSW-1	B	1040.17504	1035.04138	1045.30883	0.69797	ug/L	09/24/10	18:24	
LCSW-1	Ba	1976.75097	1975.28369	1978.21813	0.10496	ug/L	09/24/10	18:24	
LCSW-1	Be	50.17711	50.19252	50.16169	0.04344	ug/L	09/24/10	18:24	
LCSW-1	Ca	5025.32861	5023.30468	5027.35253	0.05695	ug/L	09/24/10	18:24	
LCSW-1	Cd	53.25370	53.30788	53.19952	0.14388	ug/L	09/24/10	18:24	
LCSW-1	Co	509.15512	507.98645	510.32379	0.32460	ug/L	09/24/10	18:24	
LCSW-1	Cr	202.81956	202.37471	203.26441	0.31018	ug/L	09/24/10	18:24	
LCSW-1	Cu	237.94075	236.78172	239.09977	0.68887	ug/L	09/24/10	18:24	
LCSW-1	Fe	986.19458	996.47839	975.91082	1.47470	ug/L	09/24/10	18:24	
LCSW-1	2Fe	0.98628	0.99656	0.97599	1.47433	mg/L	09/24/10	18:24	
LCSW-1	K	5305.45605	5327.99218	5282.92041	0.60071	ug/L	09/24/10	18:24	
LCSW-1	Mg	5124.00976	5114.15185	5133.86767	0.27207	ug/L	09/24/10	18:24	
LCSW-1	2Mg	5.12262	5.11276	5.13247	0.27212	mg/L	09/24/10	18:24	
LCSW-1	Mn	503.88101	503.68869	504.07333	0.05397	ug/L	09/24/10	18:24	
LCSW-1	Mo	492.76947	489.01965	496.51925	1.07616	ug/L	09/24/10	18:24	
LCSW-1	Na	4551.80664	4769.22509	4334.38769	6.75504	ug/L	09/24/10	18:24	
LCSW-1	Ni	508.93560	509.53277	508.33843	0.16593	ug/L	09/24/10	18:24	
LCSW-1	Pb	511.92736	508.42410	515.43060	0.96778	ug/L	09/24/10	18:24	
LCSW-1	Se	2111.24804	2115.95458	2106.54150	0.31526	ug/L	09/24/10	18:24	
LCSW-1	Sb	393.20648	381.11599	405.29696	4.34848	ug/L	09/24/10	18:24	
LCSW-1	Sn	808.21496	797.32232	819.10760	1.90599	ug/L	09/24/10	18:24	
LCSW-1	Sr	512.11163	510.88223	513.34100	0.33949	ug/L	09/24/10	18:24	
LCSW-1	Ti	682.09191	678.90100	685.28283	0.66158	ug/L	09/24/10	18:24	
LCSW-1	Tl	2115.88500	2121.80957	2109.96044	0.39598	ug/L	09/24/10	18:24	
LCSW-1	V	489.84704	489.78427	489.90979	0.01811	ug/L	09/24/10	18:24	
LCSW-1	Zn	528.52722	527.10205	529.95233	0.38133	ug/L	09/24/10	18:24	
LCSW-1	2203/1	511.33465	508.51779	514.15148	0.77906	ug/L	09/24/10	18:24	
LCSW-1	2203/2	512.22326	508.37731	516.06921	1.06183	ug/L	09/24/10	18:24	
LCSW-1	1960/1	2088.86962	2087.83154	2089.90771	0.07028	ug/L	09/24/10	18:24	
LCSW-1	1960/2	2122.41992	2129.99462	2114.84521	0.50471	ug/L	09/24/10	18:24	
LCSW-1	Y	1060.03808	1057.09106	1062.98498	0.39315		09/24/10	18:24	
LCSW-1 (RL)	Ag	9.33343	8.36089	10.30597	14.73608	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Al	231.40695	225.64639	237.16751	3.52049	ug/L	09/24/10	18:29	
LCSW-1 (RL)	2Al	0.23141	0.22565	0.23717	3.52050	mg/L	09/24/10	18:29	
LCSW-1 (RL)	As	21.61134	21.50113	21.72155	0.72120	ug/L	09/24/10	18:29	
LCSW-1 (RL)	B	108.95319	107.39124	110.51514	2.02741	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Ba	10.73699	10.76218	10.71180	0.33181	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Be	4.08054	4.07475	4.08633	0.20067	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Ca	519.04101	517.19842	520.88354	0.50203	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Cd	5.53804	5.53943	5.53665	0.03554	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Co	10.31900	9.40062	11.23738	12.58636	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Cr	10.20965	9.43052	10.98878	10.79228	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Cu	20.91283	20.48863	21.33702	2.86860	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Fe	37.61879	32.09002	43.14757	20.78446	ug/L	09/24/10	18:29	
LCSW-1 (RL)	2Fe	0.03761	0.03208	0.04314	20.78318	mg/L	09/24/10	18:29	
LCSW-1 (RL)	K	1101.00561	1086.73522	1115.27587	1.83298	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Mg	527.95007	522.67608	533.22399	1.41272	ug/L	09/24/10	18:29	
LCSW-1 (RL)	2Mg	0.52779	0.52252	0.53307	1.41248	mg/L	09/24/10	18:29	
LCSW-1 (RL)	Mn	10.55201	10.44444	10.65959	1.44176	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Mo	12.15412	11.49955	12.80869	7.61633	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Na	880.09204	892.79669	867.38739	2.04150	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Ni	42.62994	42.07094	43.18894	1.85444	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Pb	11.95313	11.40495	12.50130	6.48560	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Se	26.57257	25.34962	27.79553	6.50865	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Sb	20.28395	18.60784	21.96006	11.68597	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Sn	30.52583	30.17809	30.87357	1.61102	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Sr	10.66776	10.57258	10.76295	1.26181	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Ti	10.62390	10.49596	10.75184	1.70308	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Tl	25.69453	19.50826	31.88081	34.04893	ug/L	09/24/10	18:29	
LCSW-1 (RL)	V	10.47494	10.43954	10.51034	0.47789	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Zn	23.40369	22.91844	23.88895	2.93221	ug/L	09/24/10	18:29	
LCSW-1 (RL)	2203/1	7.79409	5.40256	10.18563	43.39363	ug/L	09/24/10	18:29	
LCSW-1 (RL)	2203/2	14.02953	14.40165	13.65740	3.75113	ug/L	09/24/10	18:29	
LCSW-1 (RL)	1960/1	24.80517	17.55483	32.05551	41.33627	ug/L	09/24/10	18:29	
LCSW-1 (RL)	1960/2	27.45492	29.24115	25.66870	9.20092	ug/L	09/24/10	18:29	
LCSW-1 (RL)	Y	1052.21557	1053.05200	1051.37902	0.11242		09/24/10	18:29	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61229-1	Ag	-1.03021	-1.23508	-0.82534	28.12346	ug/L	09/24/10	18:34	
61229-1	Al	23.59605	23.50234	23.68976	0.56165	ug/L	09/24/10	18:34	
61229-1	2Al	0.02359	0.02350	0.02369	0.56172	mg/L	09/24/10	18:34	
61229-1	As	15.26819	18.14577	12.39060	26.65356	ug/L	09/24/10	18:34	
61229-1	B	41.61404	41.80981	41.41828	0.66529	ug/L	09/24/10	18:34	
61229-1	Ba	83.68013	83.17350	84.18677	0.85622	ug/L	09/24/10	18:34	
61229-1	Be	0.00588	0.00327	0.00849	62.68990	ug/L	09/24/10	18:34	
61229-1	Ca	27932.65429	27794.31445	28070.99414	0.70040	ug/L	09/24/10	18:34	
61229-1	Cd	0.28171	0.41638	0.14705	67.60233	ug/L	09/24/10	18:34	
61229-1	Co	-0.39270	-0.51334	-0.27206	43.44540	ug/L	09/24/10	18:34	
61229-1	Cr	0.26828	0.35001	0.18655	43.08191	ug/L	09/24/10	18:34	
61229-1	Cu	0.33082	0.04442	0.61722	122.42993	ug/L	09/24/10	18:34	
61229-1	Fe	130.73083	126.03860	135.42304	5.07592	ug/L	09/24/10	18:34	
61229-1	2Fe	0.13071	0.12602	0.13540	5.07601	mg/L	09/24/10	18:34	
61229-1	K	4151.68652	4154.39355	4148.97949	0.09221	ug/L	09/24/10	18:34	
61229-1	Mg	11055.53417	10991.88085	11119.18750	0.81424	ug/L	09/24/10	18:34	
61229-1	2Mg	11.05239	10.98875	11.11602	0.81423	mg/L	09/24/10	18:34	
61229-1	Mn	5.48994	5.52212	5.45775	0.82907	ug/L	09/24/10	18:34	
61229-1	Mo	49.12903	50.23945	48.01861	3.19643	ug/L	09/24/10	18:34	
61229-1	Na	21158.86328	21067.53906	21250.18554	0.61038	ug/L	09/24/10	18:34	
61229-1	Ni	1.15216	0.52076	1.78356	77.50086	ug/L	09/24/10	18:34	
61229-1	Pb	0.20034	-0.28555	0.68624	342.98730	ug/L	09/24/10	18:34	
61229-1	Se	7.93289	8.79088	7.07491	15.29546	ug/L	09/24/10	18:34	
61229-1	Sb	1.15912	0.06302	2.25522	133.73149	ug/L	09/24/10	18:34	
61229-1	Sn	0.83042	-0.72326	2.38412	264.59350	ug/L	09/24/10	18:34	
61229-1	Sr	4647.58007	4631.48730	4663.67236	0.48968	ug/L	09/24/10	18:34	
61229-1	Ti	0.54043	0.53016	0.55070	2.68777	ug/L	09/24/10	18:34	
61229-1	Tl	0.33788	-1.21954	1.89531	651.86859	ug/L	09/24/10	18:34	
61229-1	V	1.07645	0.80490	1.34800	35.67578	ug/L	09/24/10	18:34	
61229-1	Zn	1.58579	1.70739	1.46418	10.84477	ug/L	09/24/10	18:34	
61229-1	2203/1	-0.12892	-1.34948	1.09162	1338.84411	ug/L	09/24/10	18:34	
61229-1	2203/2	0.36473	0.24561	0.48386	46.18818	ug/L	09/24/10	18:34	
61229-1	1960/1	9.12017	9.98038	8.25997	13.33872	ug/L	09/24/10	18:34	
61229-1	1960/2	7.34014	8.19702	6.48327	16.50926	ug/L	09/24/10	18:34	
61229-1	Y	1053.34252	1053.86401	1052.82104	0.07001		09/24/10	18:34	
61229-3	Ag	-0.28156	-0.65933	0.09621	189.74604	ug/L	09/24/10	18:40	
61229-3	Al	26.46104	27.90388	25.01821	7.71124	ug/L	09/24/10	18:40	
61229-3	2Al	0.02646	0.02790	0.02501	7.71129	mg/L	09/24/10	18:40	
61229-3	As	1.06986	1.72917	0.41055	87.15175	ug/L	09/24/10	18:40	
61229-3	B	84.16164	84.14285	84.18043	0.03157	ug/L	09/24/10	18:40	
61229-3	Ba	41.20167	41.15518	41.24816	0.15957	ug/L	09/24/10	18:40	
61229-3	Be	-0.01848	-0.01034	-0.02662	62.25870	ug/L	09/24/10	18:40	
61229-3	Ca	52528.95703	52375.78125	52682.13281	0.41238	ug/L	09/24/10	18:40	
61229-3	Cd	-0.08376	-0.17691	0.00938	157.26980	ug/L	09/24/10	18:40	
61229-3	Co	-0.16229	0.37299	-0.69757	466.44323	ug/L	09/24/10	18:40	
61229-3	Cr	0.17903	0.19414	0.16393	11.92786	ug/L	09/24/10	18:40	
61229-3	Cu	0.06303	0.43009	-0.30402	823.53320	ug/L	09/24/10	18:40	
61229-3	Fe	72.54385	67.99668	77.09102	8.86453	ug/L	09/24/10	18:40	
61229-3	2Fe	0.07253	0.06798	0.07708	8.86425	mg/L	09/24/10	18:40	
61229-3	K	10524.93750	10520.58203	10529.29296	0.05852	ug/L	09/24/10	18:40	
61229-3	Mg	35950.25000	35826.03906	36074.46484	0.48862	ug/L	09/24/10	18:40	
61229-3	2Mg	35.94009	35.81592	36.06427	0.48862	mg/L	09/24/10	18:40	
61229-3	Mn	13.07064	13.02818	13.11311	0.45945	ug/L	09/24/10	18:40	
61229-3	Mo	1.96917	1.46206	2.47628	36.41967	ug/L	09/24/10	18:40	
61229-3	Na	235510.15625	234375.35937	236644.93750	0.68142	ug/L	09/24/10	18:40	
61229-3	Ni	-0.27652	0.11396	-0.66701	199.70426	ug/L	09/24/10	18:40	
61229-3	Pb	0.84942	-0.64658	2.34542	249.07168	ug/L	09/24/10	18:40	
61229-3	Se	5.57058	8.60143	2.53974	76.94454	ug/L	09/24/10	18:40	
61229-3	Sb	-0.37833	-0.84632	0.08965	174.93612	ug/L	09/24/10	18:40	
61229-3	Sn	0.48361	0.48376	0.48346	0.04324	ug/L	09/24/10	18:40	
61229-3	Sr	13056.71679	13042.03710	13071.39648	0.15900	ug/L	09/24/10	18:40	
61229-3	Ti	0.45384	0.51948	0.38820	20.45484	ug/L	09/24/10	18:40	
61229-3	Tl	4.31761	5.27626	3.35897	31.39982	ug/L	09/24/10	18:40	
61229-3	V	-0.53216	-0.73360	-0.33072	53.53303	ug/L	09/24/10	18:40	
61229-3	Zn	1.64365	1.88735	1.39995	20.96846	ug/L	09/24/10	18:40	
61229-3	2203/1	3.99392	3.37847	4.60937	21.79263	ug/L	09/24/10	18:40	
61229-3	2203/2	-0.72047	-2.65609	1.21515	379.94311	ug/L	09/24/10	18:40	
61229-3	1960/1	9.67660	10.31674	9.03645	9.35551	ug/L	09/24/10	18:40	
61229-3	1960/2	3.52001	7.74441	-0.70439	169.72134	ug/L	09/24/10	18:40	
61229-3	Y	1033.25952	1036.58105	1029.93798	0.45461		09/24/10	18:40	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61229-3 1/5	Ag	-0.20266	-0.20614	-0.19917	2.43409	ug/L	09/24/10	18:45	
61229-3 1/5	Al	23.09768	21.45447	24.74089	10.06093	ug/L	09/24/10	18:45	
61229-3 1/5	2Al	0.02309	0.02145	0.02474	10.06093	mg/L	09/24/10	18:45	
61229-3 1/5	As	-1.88505	-0.38995	-3.38014	112.16580	ug/L	09/24/10	18:45	
61229-3 1/5	B	18.29147	18.75737	17.82557	3.60212	ug/L	09/24/10	18:45	
61229-3 1/5	Ba	8.41563	8.12705	8.70422	4.84953	ug/L	09/24/10	18:45	
61229-3 1/5	Be	-0.00278	0.00702	-0.01258	498.36791	ug/L	09/24/10	18:45	
61229-3 1/5	Ca	10563.05273	10205.07617	10921.02832	4.79269	ug/L	09/24/10	18:45	
61229-3 1/5	Cd	0.09355	0.11096	0.07613	26.32654	ug/L	09/24/10	18:45	
61229-3 1/5	Co	-0.33057	0.20251	-0.86366	228.05574	ug/L	09/24/10	18:45	
61229-3 1/5	Cr	0.07231	0.81698	-0.67235	1456.32250	ug/L	09/24/10	18:45	
61229-3 1/5	Cu	-0.24115	-0.03291	-0.44940	122.11905	ug/L	09/24/10	18:45	
61229-3 1/5	Fe	35.53094	31.94901	39.11286	14.25690	ug/L	09/24/10	18:45	
61229-3 1/5	2Fe	0.03552	0.03194	0.03910	14.25621	mg/L	09/24/10	18:45	
61229-3 1/5	K	1685.07641	1641.42346	1728.72937	3.66360	ug/L	09/24/10	18:45	
61229-3 1/5	Mg	7237.22656	6987.48535	7486.96826	4.88015	ug/L	09/24/10	18:45	
61229-3 1/5	2Mg	7.23517	6.98550	7.48484	4.88014	mg/L	09/24/10	18:45	
61229-3 1/5	Mn	2.74608	2.71998	2.77218	1.34415	ug/L	09/24/10	18:45	
61229-3 1/5	Mo	-1.21426	-1.39441	-1.03411	20.98155	ug/L	09/24/10	18:45	
61229-3 1/5	Na	41778.62500	40674.89062	42882.35546	3.73615	ug/L	09/24/10	18:45	
61229-3 1/5	Ni	-0.15751	-0.42836	0.11334	243.18403	ug/L	09/24/10	18:45	
61229-3 1/5	Pb	0.36619	1.23510	-0.50271	335.56710	ug/L	09/24/10	18:45	
61229-3 1/5	Se	4.82193	2.56423	7.07964	66.21555	ug/L	09/24/10	18:45	
61229-3 1/5	Sb	2.82763	3.69406	1.96120	43.33372	ug/L	09/24/10	18:45	
61229-3 1/5	Sn	5.79764	3.94279	7.65249	45.24522	ug/L	09/24/10	18:45	
61229-3 1/5	Sr	2789.50708	2698.72363	2880.29052	4.60250	ug/L	09/24/10	18:45	
61229-3 1/5	Ti	0.38958	0.62982	0.14933	87.20980	ug/L	09/24/10	18:45	
61229-3 1/5	Tl	1.45368	1.87104	1.03632	40.60253	ug/L	09/24/10	18:45	
61229-3 1/5	V	0.82303	0.90538	0.74068	14.15053	ug/L	09/24/10	18:45	
61229-3 1/5	Zn	0.16805	0.58874	-0.25262	354.00674	ug/L	09/24/10	18:45	
61229-3 1/5	2203/1	3.08437	1.04392	5.12481	93.55631	ug/L	09/24/10	18:45	
61229-3 1/5	2203/2	-0.99085	1.33054	-3.31226	331.32513	ug/L	09/24/10	18:45	
61229-3 1/5	1960/1	5.87517	5.67862	6.07172	4.73116	ug/L	09/24/10	18:45	
61229-3 1/5	1960/2	4.29597	1.00924	7.58270	108.19746	ug/L	09/24/10	18:45	
61229-3 1/5	Y	1039.46850	1045.70202	1033.23498	0.84808		09/24/10	18:45	
61333-1	Ag	-0.02881	-0.53092	0.47330	2464.51098	ug/L	09/24/10	18:50	
61333-1	Al	18.75483	11.79733	25.71233	52.46319	ug/L	09/24/10	18:50	
61333-1	2Al	0.01875	0.01179	0.02571	52.46314	mg/L	09/24/10	18:50	
61333-1	As	-3.53347	-0.48154	-6.58539	122.14839	ug/L	09/24/10	18:50	
61333-1	B	92.65217	91.90159	93.40276	1.14566	ug/L	09/24/10	18:50	
61333-1	Ba	25.49612	25.36591	25.62634	0.72226	ug/L	09/24/10	18:50	
61333-1	Be	-0.03755	-0.03076	-0.04435	25.58968	ug/L	09/24/10	18:50	
61333-1	Ca	48955.95312	48847.88671	49064.01562	0.31217	ug/L	09/24/10	18:50	
61333-1	Cd	0.08255	0.00310	0.16200	136.10327	ug/L	09/24/10	18:50	
61333-1	Co	-0.10790	-0.65825	0.44244	721.30102	ug/L	09/24/10	18:50	
61333-1	Cr	0.01220	-0.50780	0.53221	6024.75341	ug/L	09/24/10	18:50	
61333-1	Cu	0.13264	-0.24786	0.51315	405.69604	ug/L	09/24/10	18:50	
61333-1	Fe	-9.15537	-25.26513	6.95439	248.84466	ug/L	09/24/10	18:50	
61333-1	2Fe	-0.00915	-0.02526	0.00695	248.84379	mg/L	09/24/10	18:50	
61333-1	K	9936.14843	9875.10937	9997.18750	0.86876	ug/L	09/24/10	18:50	
61333-1	Mg	39342.92578	39256.00390	39429.84765	0.31244	ug/L	09/24/10	18:50	
61333-1	2Mg	39.33058	39.24493	39.41624	0.30799	mg/L	09/24/10	18:50	
61333-1	Mn	-0.12332	-0.15735	-0.08929	39.02490	ug/L	09/24/10	18:50	
61333-1	Mo	10.07260	10.39378	9.75142	4.50947	ug/L	09/24/10	18:50	
61333-1	Na	171943.73437	171322.65625	172564.81250	0.51082	ug/L	09/24/10	18:50	
61333-1	Ni	-0.28389	-0.55298	-0.01480	134.04476	ug/L	09/24/10	18:50	
61333-1	Pb	0.20135	0.79702	-0.39432	418.37960	ug/L	09/24/10	18:50	
61333-1	Se	8.64569	5.54634	11.74505	50.69748	ug/L	09/24/10	18:50	
61333-1	Sb	-0.99483	-0.88370	-1.10596	15.79788	ug/L	09/24/10	18:50	
61333-1	Sn	-1.59310	-2.97481	-0.21139	122.65602	ug/L	09/24/10	18:50	
61333-1	Sr	13023.80859	12993.53906	13054.07812	0.32868	ug/L	09/24/10	18:50	
61333-1	Ti	-0.06899	-0.27144	0.13345	414.95294	ug/L	09/24/10	18:50	
61333-1	Tl	-2.91229	-3.47128	-2.35330	27.14457	ug/L	09/24/10	18:50	
61333-1	V	-0.93592	-0.95111	-0.92073	2.29531	ug/L	09/24/10	18:50	
61333-1	Zn	0.65026	0.25069	1.04984	86.90087	ug/L	09/24/10	18:50	
61333-1	2203/1	1.79811	0.32520	3.27103	115.84442	ug/L	09/24/10	18:50	
61333-1	2203/2	-0.59583	1.03258	-2.22425	386.50695	ug/L	09/24/10	18:50	
61333-1	1960/1	11.32283	8.91760	13.72806	30.04113	ug/L	09/24/10	18:50	
61333-1	1960/2	7.30841	3.86252	10.75430	66.67955	ug/L	09/24/10	18:50	
61333-1	Y	1026.36804	1022.56701	1030.16906	0.52373		09/24/10	18:50	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61333-1S	Ag	19.73969	20.06998	19.40940	2.36629	ug/L	09/24/10	18:55	
61333-1S	Al	2039.26684	2038.22033	2040.31335	0.07257	ug/L	09/24/10	18:55	
61333-1S	2Al	2.03926	2.03812	2.04040	0.07885	mg/L	09/24/10	18:55	
61333-1S	As	2143.52392	2136.49121	2150.55639	0.46398	ug/L	09/24/10	18:55	
61333-1S	B	1179.18847	1174.77209	1183.60485	0.52966	ug/L	09/24/10	18:55	
61333-1S	Ba	2059.71435	2052.31445	2067.11425	0.50808	ug/L	09/24/10	18:55	
61333-1S	Be	51.49994	51.26252	51.73736	0.65196	ug/L	09/24/10	18:55	
61333-1S	Ca	53189.58593	52953.39843	53425.77343	0.62797	ug/L	09/24/10	18:55	
61333-1S	Cd	53.49678	53.20708	53.78647	0.76581	ug/L	09/24/10	18:55	
61333-1S	Co	518.72955	517.68963	519.76947	0.28351	ug/L	09/24/10	18:55	
61333-1S	Cr	206.26486	206.31933	206.21038	0.03734	ug/L	09/24/10	18:55	
61333-1S	Cu	241.86560	241.03060	242.70060	0.48823	ug/L	09/24/10	18:55	
61333-1S	Fe	1035.65747	1031.78417	1039.53076	0.52890	ug/L	09/24/10	18:55	
61333-1S	2Fe	1.03574	1.03186	1.03961	0.52887	mg/L	09/24/10	18:55	
61333-1S	K	16197.63769	16149.66210	16245.61328	0.41887	ug/L	09/24/10	18:55	
61333-1S	Mg	43862.44921	43693.05859	44031.83984	0.54614	ug/L	09/24/10	18:55	
61333-1S	2Mg	43.84766	43.67831	44.01700	0.54620	mg/L	09/24/10	18:55	
61333-1S	Mn	517.62615	515.58105	519.67126	0.55874	ug/L	09/24/10	18:55	
61333-1S	Mo	527.97143	525.03479	530.90814	0.78661	ug/L	09/24/10	18:55	
61333-1S	Na	175577.04687	176271.64062	174882.45312	0.55947	ug/L	09/24/10	18:55	
61333-1S	Ni	513.86071	510.99511	516.72631	0.78865	ug/L	09/24/10	18:55	
61333-1S	Pb	519.16870	521.11926	517.21820	0.53132	ug/L	09/24/10	18:55	
61333-1S	Se	1780.31518	1791.30908	1769.32141	0.87330	ug/L	09/24/10	18:55	
61333-1S	Sb	460.79650	457.09060	464.50241	1.13736	ug/L	09/24/10	18:55	
61333-1S	Sn	958.53570	944.76983	972.30157	2.03100	ug/L	09/24/10	18:55	
61333-1S	Sr	13241.89941	13222.08398	13261.71484	0.21162	ug/L	09/24/10	18:55	
61333-1S	Ti	716.38854	712.85644	719.92059	0.69726	ug/L	09/24/10	18:55	
61333-1S	Tl	2159.41894	2159.15771	2159.67993	0.01710	ug/L	09/24/10	18:55	
61333-1S	V	506.94335	504.59829	509.28845	0.65420	ug/L	09/24/10	18:55	
61333-1S	Zn	541.59851	538.53930	544.65765	0.79880	ug/L	09/24/10	18:55	
61333-1S	2203/1	519.09252	519.01043	519.17462	0.02236	ug/L	09/24/10	18:55	
61333-1S	2203/2	519.20678	522.17205	516.24145	0.80768	ug/L	09/24/10	18:55	
61333-1S	1960/1	1764.48425	1767.38623	1761.58227	0.23259	ug/L	09/24/10	18:55	
61333-1S	1960/2	1788.21752	1803.25122	1773.18371	1.18894	ug/L	09/24/10	18:55	
61333-1S	Y	1038.44653	1035.41198	1041.48107	0.41326		09/24/10	18:55	
61333-1SD	Ag	17.63253	17.85877	17.40629	1.81458	ug/L	09/24/10	19:00	
61333-1SD	Al	2043.82092	2039.04565	2048.59619	0.33042	ug/L	09/24/10	19:00	
61333-1SD	2Al	2.04381	2.03913	2.04850	0.32417	mg/L	09/24/10	19:00	
61333-1SD	As	2152.30078	2144.06469	2160.53662	0.54116	ug/L	09/24/10	19:00	
61333-1SD	B	1161.60009	1157.67712	1165.52319	0.47761	ug/L	09/24/10	19:00	
61333-1SD	Ba	2068.56005	2063.06152	2074.05859	0.37591	ug/L	09/24/10	19:00	
61333-1SD	Be	51.77695	51.64767	51.90623	0.35310	ug/L	09/24/10	19:00	
61333-1SD	Ca	53031.05859	52858.68750	53203.42968	0.45967	ug/L	09/24/10	19:00	
61333-1SD	Cd	53.64861	53.38877	53.90844	0.68493	ug/L	09/24/10	19:00	
61333-1SD	Co	520.97106	518.75610	523.18609	0.60127	ug/L	09/24/10	19:00	
61333-1SD	Cr	206.80261	206.58700	207.01823	0.14744	ug/L	09/24/10	19:00	
61333-1SD	Cu	243.81105	243.12989	244.49220	0.39509	ug/L	09/24/10	19:00	
61333-1SD	Fe	1016.20251	1021.30480	1011.10015	0.71007	ug/L	09/24/10	19:00	
61333-1SD	2Fe	1.01629	1.02139	1.01119	0.70979	mg/L	09/24/10	19:00	
61333-1SD	K	15951.80664	15995.87890	15907.73437	0.39072	ug/L	09/24/10	19:00	
61333-1SD	Mg	43701.70312	43511.69531	43891.71484	0.61488	ug/L	09/24/10	19:00	
61333-1SD	2Mg	43.68819	43.49946	43.87691	0.61092	mg/L	09/24/10	19:00	
61333-1SD	Mn	520.57519	518.58959	522.56072	0.53940	ug/L	09/24/10	19:00	
61333-1SD	Mo	523.25921	519.26031	527.25811	1.08078	ug/L	09/24/10	19:00	
61333-1SD	Na	174605.43750	174397.21875	174813.67187	0.16865	ug/L	09/24/10	19:00	
61333-1SD	Ni	518.29315	516.42828	520.15802	0.50884	ug/L	09/24/10	19:00	
61333-1SD	Pb	521.87500	520.24554	523.50439	0.44155	ug/L	09/24/10	19:00	
61333-1SD	Se	1766.39331	1760.69250	1772.09411	0.45641	ug/L	09/24/10	19:00	
61333-1SD	Sb	458.79116	452.03515	465.54718	2.08252	ug/L	09/24/10	19:00	
61333-1SD	Sn	940.07165	928.45922	951.68402	1.74693	ug/L	09/24/10	19:00	
61333-1SD	Sr	13149.01074	13120.96679	13177.05468	0.30162	ug/L	09/24/10	19:00	
61333-1SD	Ti	703.00610	701.04492	704.96734	0.39453	ug/L	09/24/10	19:00	
61333-1SD	Tl	2159.95556	2156.41503	2163.49609	0.23181	ug/L	09/24/10	19:00	
61333-1SD	V	507.93450	505.63214	510.23690	0.64103	ug/L	09/24/10	19:00	
61333-1SD	Zn	544.79516	542.66510	546.92517	0.55292	ug/L	09/24/10	19:00	
61333-1SD	2203/1	516.52856	512.91607	520.14105	0.98907	ug/L	09/24/10	19:00	
61333-1SD	2203/2	524.54418	523.90478	525.18359	0.17238	ug/L	09/24/10	19:00	
61333-1SD	1960/1	1750.22045	1751.62512	1748.81579	0.11349	ug/L	09/24/10	19:00	
61333-1SD	1960/2	1774.46630	1765.21801	1783.71459	0.73706	ug/L	09/24/10	19:00	
61333-1SD	Y	1037.58557	1040.08105	1035.09008	0.34013		09/24/10	19:00	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61333-2	Ag	-1.03207	-0.19694	-1.86721	114.43485	ug/L	09/24/10	19:06	
61333-2	Al	22.85530	24.21755	21.49305	8.42916	ug/L	09/24/10	19:06	
61333-2	2Al	0.02285	0.02421	0.02149	8.42909	mg/L	09/24/10	19:06	
61333-2	As	-0.13975	-0.71999	0.44048	587.16333	ug/L	09/24/10	19:06	
61333-2	B	81.89369	83.40657	80.38082	2.61256	ug/L	09/24/10	19:06	
61333-2	Ba	29.39492	29.50230	29.28754	0.51659	ug/L	09/24/10	19:06	
61333-2	Be	-0.00843	-0.00772	-0.00915	11.93563	ug/L	09/24/10	19:06	
61333-2	Ca	49009.47656	48908.33593	49110.62109	0.29185	ug/L	09/24/10	19:06	
61333-2	Cd	0.13791	0.42627	-0.15045	295.70635	ug/L	09/24/10	19:06	
61333-2	Co	-0.17295	0.27182	-0.61774	363.68270	ug/L	09/24/10	19:06	
61333-2	Cr	-0.10362	0.16434	-0.37159	365.71594	ug/L	09/24/10	19:06	
61333-2	Cu	0.38366	0.88415	-0.11681	184.47966	ug/L	09/24/10	19:06	
61333-2	Fe	-3.36619	6.05377	-12.78617	395.75357	ug/L	09/24/10	19:06	
61333-2	2Fe	-0.00336	0.00605	-0.01278	395.75650	mg/L	09/24/10	19:06	
61333-2	K	6170.75390	6184.91503	6156.59277	0.32454	ug/L	09/24/10	19:06	
61333-2	Mg	35626.40625	35570.26562	35682.54687	0.22285	ug/L	09/24/10	19:06	
61333-2	2Mg	35.61511	35.55774	35.67247	0.22778	mg/L	09/24/10	19:06	
61333-2	Mn	0.32238	0.39087	0.25389	30.04391	ug/L	09/24/10	19:06	
61333-2	Mo	16.44529	16.03702	16.85356	3.51092	ug/L	09/24/10	19:06	
61333-2	Na	102901.73437	102825.61718	102977.85937	0.10461	ug/L	09/24/10	19:06	
61333-2	Ni	0.38867	1.12408	-0.34674	267.58856	ug/L	09/24/10	19:06	
61333-2	Pb	0.29991	0.98140	-0.38158	321.35592	ug/L	09/24/10	19:06	
61333-2	Se	8.49736	9.59274	7.40199	18.23026	ug/L	09/24/10	19:06	
61333-2	Sb	4.73366	6.55938	2.90793	54.54471	ug/L	09/24/10	19:06	
61333-2	Sn	1.06401	3.52342	-1.39539	326.88748	ug/L	09/24/10	19:06	
61333-2	Sr	15150.00585	15102.70703	15197.30468	0.44152	ug/L	09/24/10	19:06	
61333-2	Ti	0.98002	1.09253	0.86751	16.23564	ug/L	09/24/10	19:06	
61333-2	Tl	-1.93055	-2.54709	-1.31401	45.16397	ug/L	09/24/10	19:06	
61333-2	V	0.30335	0.25767	0.34902	21.29257	ug/L	09/24/10	19:06	
61333-2	Zn	1.69441	1.75146	1.63737	4.76105	ug/L	09/24/10	19:06	
61333-2	2203/1	-0.59914	-1.85776	0.65947	297.08428	ug/L	09/24/10	19:06	
61333-2	2203/2	0.74876	2.39886	-0.90133	311.65969	ug/L	09/24/10	19:06	
61333-2	1960/1	5.94041	8.48543	3.39540	60.58815	ug/L	09/24/10	19:06	
61333-2	1960/2	9.77326	10.14490	9.40162	5.37774	ug/L	09/24/10	19:06	
61333-2	Y	1033.09863	1029.31506	1036.88208	0.51792		09/24/10	19:06	
CCV	Ag	498.14093	500.11529	496.16656	0.56051	ug/L	09/24/10	19:12	
CCV	Al	4945.45507	4938.49414	4952.41552	0.19904	ug/L	09/24/10	19:12	
CCV	2Al	4.94526	4.93848	4.95204	0.19379	mg/L	09/24/10	19:12	
CCV	As	519.34173	520.24218	518.44128	0.24520	ug/L	09/24/10	19:12	
CCV	B	5161.01318	5163.08154	5158.94482	0.05667	ug/L	09/24/10	19:12	
CCV	Ba	4977.40185	4983.11523	4971.68847	0.16233	ug/L	09/24/10	19:12	
CCV	Be	518.09069	519.19989	516.98150	0.30277	ug/L	09/24/10	19:12	
CCV	Ca	5161.63964	5163.55615	5159.72363	0.05250	ug/L	09/24/10	19:12	
CCV	Cd	527.86059	529.17395	526.54718	0.35187	ug/L	09/24/10	19:12	
CCV	Co	515.24938	516.80230	513.69647	0.42623	ug/L	09/24/10	19:12	
CCV	Cr	5129.28662	5137.49267	5121.08056	0.22625	ug/L	09/24/10	19:12	
CCV	Cu	4971.92871	4978.54980	4965.30810	0.18832	ug/L	09/24/10	19:12	
CCV	Fe	5141.83007	5137.06787	5146.59228	0.13098	ug/L	09/24/10	19:12	
CCV	2Fe	5.14182	5.13706	5.14658	0.13094	mg/L	09/24/10	19:12	
CCV	K	9628.80761	9609.62988	9647.98535	0.28166	ug/L	09/24/10	19:12	
CCV	Mg	5222.45019	5228.44384	5216.45654	0.16230	ug/L	09/24/10	19:12	
CCV	2Mg	5.22241	5.22841	5.21642	0.16240	mg/L	09/24/10	19:12	
CCV	Mn	5120.58007	5130.80712	5110.35302	0.28245	ug/L	09/24/10	19:12	
CCV	Mo	510.68768	508.59362	512.78173	0.57989	ug/L	09/24/10	19:12	
CCV	Na	7407.31933	7473.55224	7341.08593	1.26453	ug/L	09/24/10	19:12	
CCV	Ni	2598.88256	2602.09350	2595.67163	0.17472	ug/L	09/24/10	19:12	
CCV	Pb	527.06616	527.34893	526.78338	0.07587	ug/L	09/24/10	19:12	
CCV	Se	5290.40966	5302.80419	5278.01513	0.33132	ug/L	09/24/10	19:12	
CCV	Sb	509.41073	508.35034	510.47113	0.29438	ug/L	09/24/10	19:12	
CCV	Sn	5200.84619	5211.60058	5190.09179	0.29243	ug/L	09/24/10	19:12	
CCV	Sr	2532.39624	2529.24658	2535.54589	0.17589	ug/L	09/24/10	19:12	
CCV	Ti	505.12432	506.40850	503.84014	0.35953	ug/L	09/24/10	19:12	
CCV	Tl	5217.23535	5229.70361	5204.76708	0.33797	ug/L	09/24/10	19:12	
CCV	V	5055.02636	5060.89355	5049.15869	0.16414	ug/L	09/24/10	19:12	
CCV	Zn	2642.39013	2647.73461	2637.04565	0.28603	ug/L	09/24/10	19:12	
CCV	2203/1	523.17779	523.90081	522.45477	0.19544	ug/L	09/24/10	19:12	
CCV	2203/2	529.00305	529.06604	528.94006	0.01683	ug/L	09/24/10	19:12	
CCV	1960/1	5243.42822	5269.13232	5217.72412	0.69326	ug/L	09/24/10	19:12	
CCV	1960/2	5313.86523	5319.61474	5308.11523	0.15302	ug/L	09/24/10	19:12	
CCV	Y	1016.87255	1017.43603	1016.30902	0.07836		09/24/10	19:12	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.36894	-1.16050	0.42260	303.41006	ug/L	09/24/10	19:17	
CCB	Al	14.97148	16.92815	13.01482	18.48276	ug/L	09/24/10	19:17	
CCB	2Al	0.01497	0.01692	0.01301	18.48266	mg/L	09/24/10	19:17	
CCB	As	-3.14855	-0.60138	-5.69571	114.40925	ug/L	09/24/10	19:17	
CCB	B	9.94829	12.45050	7.44608	35.57046	ug/L	09/24/10	19:17	
CCB	Ba	0.74705	0.20107	1.29303	103.35707	ug/L	09/24/10	19:17	
CCB	Be	0.05584	0.00597	0.10572	126.29848	ug/L	09/24/10	19:17	
CCB	Ca	1.82551	-0.42829	4.07933	174.60131	ug/L	09/24/10	19:17	
CCB	Cd	0.23743	0.35294	0.12193	68.79708	ug/L	09/24/10	19:17	
CCB	Co	-0.52540	-0.12381	-0.92699	108.09372	ug/L	09/24/10	19:17	
CCB	Cr	0.06062	-0.43862	0.55986	1164.67736	ug/L	09/24/10	19:17	
CCB	Cu	0.42484	0.24680	0.60288	59.26588	ug/L	09/24/10	19:17	
CCB	Fe	-3.85133	-5.28967	-2.41300	52.81573	ug/L	09/24/10	19:17	
CCB	2Fe	-0.00385	-0.00528	-0.00241	52.81106	mg/L	09/24/10	19:17	
CCB	K	13.49987	16.75264	10.24709	34.07526	ug/L	09/24/10	19:17	
CCB	Mg	0.02137	-1.21829	1.26104	8202.20996	ug/L	09/24/10	19:17	
CCB	2Mg	0.00002	-0.00121	0.00126	7841.52197	mg/L	09/24/10	19:17	
CCB	Mn	0.66626	0.17453	1.15799	104.37381	ug/L	09/24/10	19:17	
CCB	Mo	1.40442	2.78065	0.02818	138.58280	ug/L	09/24/10	19:17	
CCB	Na	-75.75627	40.66696	-192.17951	217.33819	ug/L	09/24/10	19:17	
CCB	Ni	0.13863	0.00470	0.27256	136.62535	ug/L	09/24/10	19:17	
CCB	Pb	-0.78909	-1.63796	0.05977	152.13400	ug/L	09/24/10	19:17	
CCB	Se	6.06195	9.35828	2.76563	76.90100	ug/L	09/24/10	19:17	
CCB	Sb	3.53601	1.65693	5.41508	75.15271	ug/L	09/24/10	19:17	
CCB	Sn	2.93633	1.35942	4.51324	75.94811	ug/L	09/24/10	19:17	
CCB	Sr	0.90262	0.21161	1.59363	108.26546	ug/L	09/24/10	19:17	
CCB	Ti	0.11892	0.13703	0.10082	21.53092	ug/L	09/24/10	19:17	
CCB	Tl	3.70166	5.59929	1.80403	72.49865	ug/L	09/24/10	19:17	
CCB	V	0.78153	0.40142	1.16163	68.78098	ug/L	09/24/10	19:17	
CCB	Zn	0.27058	-0.10261	0.64378	195.05270	ug/L	09/24/10	19:17	
CCB	2203/1	2.86759	-1.40819	7.14338	210.86943	ug/L	09/24/10	19:17	
CCB	2203/2	-2.61469	-1.75267	-3.47672	46.62446	ug/L	09/24/10	19:17	
CCB	1960/1	6.98098	2.83281	11.12915	84.03403	ug/L	09/24/10	19:17	
CCB	1960/2	5.60313	12.61612	-1.40985	177.00563	ug/L	09/24/10	19:17	
CCB	Y	1035.42956	1033.20007	1037.65905	0.30450		09/24/10	19:17	
61333-1 1/5	Ag	-1.77918	-1.77605	-1.78231	0.24892	ug/L	09/24/10	19:22	
61333-1 1/5	Al	9.16440	1.29436	17.03444	121.44722	ug/L	09/24/10	19:22	
61333-1 1/5	2Al	0.00916	0.00129	0.01703	121.44722	mg/L	09/24/10	19:22	
61333-1 1/5	As	-3.58351	-4.92980	-2.23723	53.13018	ug/L	09/24/10	19:22	
61333-1 1/5	B	11.50556	10.52522	12.48591	12.04994	ug/L	09/24/10	19:22	
61333-1 1/5	Ba	2.87631	2.47078	3.28185	19.93910	ug/L	09/24/10	19:22	
61333-1 1/5	Be	-0.00101	-0.02941	0.02739	3965.50756	ug/L	09/24/10	19:22	
61333-1 1/5	Ca	4883.57080	4880.47314	4886.66845	0.08970	ug/L	09/24/10	19:22	
61333-1 1/5	Cd	-0.13805	-0.09443	-0.18167	44.68606	ug/L	09/24/10	19:22	
61333-1 1/5	Co	-1.09966	-1.66626	-0.53306	72.86718	ug/L	09/24/10	19:22	
61333-1 1/5	Cr	-0.66561	-1.92329	0.59207	267.21734	ug/L	09/24/10	19:22	
61333-1 1/5	Cu	-0.91545	-1.82354	-0.00736	140.28385	ug/L	09/24/10	19:22	
61333-1 1/5	Fe	-9.44630	-14.55381	-4.33880	76.46484	ug/L	09/24/10	19:22	
61333-1 1/5	2Fe	-0.00944	-0.01455	-0.00433	76.46518	mg/L	09/24/10	19:22	
61333-1 1/5	K	727.56201	724.15264	730.97143	0.66270	ug/L	09/24/10	19:22	
61333-1 1/5	Mg	3904.46484	3893.39990	3915.52954	0.40077	ug/L	09/24/10	19:22	
61333-1 1/5	2Mg	3.90336	3.89230	3.91442	0.40075	mg/L	09/24/10	19:22	
61333-1 1/5	Mn	0.43901	0.06679	0.81124	119.90579	ug/L	09/24/10	19:22	
61333-1 1/5	Mo	1.61356	0.15051	3.07662	128.22985	ug/L	09/24/10	19:22	
61333-1 1/5	Na	14651.52148	14809.37207	14493.66992	1.52363	ug/L	09/24/10	19:22	
61333-1 1/5	Ni	-0.71891	-0.61448	-0.82333	20.54179	ug/L	09/24/10	19:22	
61333-1 1/5	Pb	-1.08837	-0.68292	-1.49381	52.68280	ug/L	09/24/10	19:22	
61333-1 1/5	Se	2.71197	3.22713	2.19682	26.86394	ug/L	09/24/10	19:22	
61333-1 1/5	Sb	1.31062	0.88039	1.74086	46.42353	ug/L	09/24/10	19:22	
61333-1 1/5	Sn	1.95676	5.16260	-1.24908	231.69633	ug/L	09/24/10	19:22	
61333-1 1/5	Sr	1389.99707	1392.54101	1387.45300	0.25883	ug/L	09/24/10	19:22	
61333-1 1/5	Ti	-0.25808	-0.60028	0.08411	187.51496	ug/L	09/24/10	19:22	
61333-1 1/5	Tl	-1.18239	0.18626	-2.55105	163.69996	ug/L	09/24/10	19:22	
61333-1 1/5	V	-0.13805	-0.58892	0.31280	461.84661	ug/L	09/24/10	19:22	
61333-1 1/5	Zn	-0.05184	-0.69721	0.59352	1760.39477	ug/L	09/24/10	19:22	
61333-1 1/5	2203/1	0.97529	9.65123	-7.70064	1258.03771	ug/L	09/24/10	19:22	
61333-1 1/5	2203/2	-2.11866	-5.84226	1.60493	248.55140	ug/L	09/24/10	19:22	
61333-1 1/5	1960/1	5.09258	9.14566	1.03951	112.55411	ug/L	09/24/10	19:22	
61333-1 1/5	1960/2	1.52342	0.27224	2.77460	116.14878	ug/L	09/24/10	19:22	
61333-1 1/5	Y	1041.82055	1045.09997	1038.54101	0.44517		09/24/10	19:22	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61333-1S 1/5	Ag	1.64259	1.79913	1.48605	13.47716	ug/L	09/24/10	19:28	
61333-1S 1/5	Al	215.94644	218.67353	213.21936	1.78594	ug/L	09/24/10	19:28	
61333-1S 1/5	2Al	0.21595	0.21868	0.21322	1.78593	mg/L	09/24/10	19:28	
61333-1S 1/5	As	212.30120	211.61541	212.98699	0.45682	ug/L	09/24/10	19:28	
61333-1S 1/5	B	118.48564	118.39028	118.58099	0.11381	ug/L	09/24/10	19:28	
61333-1S 1/5	Ba	206.68032	207.18412	206.17654	0.34472	ug/L	09/24/10	19:28	
61333-1S 1/5	Be	5.25835	5.28312	5.23357	0.66632	ug/L	09/24/10	19:28	
61333-1S 1/5	Ca	5335.27050	5357.69287	5312.84863	0.59434	ug/L	09/24/10	19:28	
61333-1S 1/5	Cd	5.49533	5.68121	5.30946	4.78340	ug/L	09/24/10	19:28	
61333-1S 1/5	Co	52.69937	52.74484	52.65390	0.12202	ug/L	09/24/10	19:28	
61333-1S 1/5	Cr	21.18060	20.85059	21.51062	2.20346	ug/L	09/24/10	19:28	
61333-1S 1/5	Cu	24.72950	24.74860	24.71041	0.10920	ug/L	09/24/10	19:28	
61333-1S 1/5	Fe	98.49441	103.69866	93.29016	7.47242	ug/L	09/24/10	19:28	
61333-1S 1/5	2Fe	0.09850	0.10370	0.09330	7.47088	mg/L	09/24/10	19:28	
61333-1S 1/5	K	1254.45642	1273.60754	1235.30529	2.15900	ug/L	09/24/10	19:28	
61333-1S 1/5	Mg	4398.61767	4421.68798	4375.54736	0.74174	ug/L	09/24/10	19:28	
61333-1S 1/5	2Mg	4.39738	4.42044	4.37431	0.74171	mg/L	09/24/10	19:28	
61333-1S 1/5	Mn	52.79766	52.84068	52.75465	0.11521	ug/L	09/24/10	19:28	
61333-1S 1/5	Mo	54.57360	55.07844	54.06875	1.30824	ug/L	09/24/10	19:28	
61333-1S 1/5	Na	15102.07910	15356.88769	14847.27050	2.38612	ug/L	09/24/10	19:28	
61333-1S 1/5	Ni	52.04535	52.00131	52.08940	0.11968	ug/L	09/24/10	19:28	
61333-1S 1/5	Pb	53.14834	54.03323	52.26345	2.35458	ug/L	09/24/10	19:28	
61333-1S 1/5	Se	179.40917	183.71327	175.10510	3.39274	ug/L	09/24/10	19:28	
61333-1S 1/5	Sb	47.94501	48.30263	47.58738	1.05487	ug/L	09/24/10	19:28	
61333-1S 1/5	Sn	108.23557	107.13378	109.33735	1.43959	ug/L	09/24/10	19:28	
61333-1S 1/5	Sr	1423.03967	1428.92968	1417.14965	0.58534	ug/L	09/24/10	19:28	
61333-1S 1/5	Ti	72.17370	72.25880	72.08860	0.16674	ug/L	09/24/10	19:28	
61333-1S 1/5	Tl	217.20904	215.37394	219.04412	1.19479	ug/L	09/24/10	19:28	
61333-1S 1/5	V	50.97378	51.67862	50.26895	1.95548	ug/L	09/24/10	19:28	
61333-1S 1/5	Zn	54.60789	54.74028	54.47551	0.34284	ug/L	09/24/10	19:28	
61333-1S 1/5	2203/1	55.33620	52.02215	58.65026	8.46964	ug/L	09/24/10	19:28	
61333-1S 1/5	2203/2	52.05605	55.03726	49.07484	8.09910	ug/L	09/24/10	19:28	
61333-1S 1/5	1960/1	177.13491	177.61528	176.65454	0.38351	ug/L	09/24/10	19:28	
61333-1S 1/5	1960/2	180.54447	186.75755	174.33140	4.86673	ug/L	09/24/10	19:28	
61333-1S 1/5	Y	1041.28857	1036.40600	1046.17102	0.66311		09/24/10	19:28	
61333-1SD 1/5	Ag	2.36186	2.12324	2.60048	14.28761	ug/L	09/24/10	19:33	
61333-1SD 1/5	Al	233.59500	230.19009	236.99992	2.06137	ug/L	09/24/10	19:33	
61333-1SD 1/5	2Al	0.23360	0.23020	0.23701	2.06139	mg/L	09/24/10	19:33	
61333-1SD 1/5	As	225.76602	224.37992	227.15213	0.86826	ug/L	09/24/10	19:33	
61333-1SD 1/5	B	122.54580	121.91291	123.17871	0.73038	ug/L	09/24/10	19:33	
61333-1SD 1/5	Ba	218.88494	218.72718	219.04272	0.10193	ug/L	09/24/10	19:33	
61333-1SD 1/5	Be	5.58983	5.57786	5.60179	0.30263	ug/L	09/24/10	19:33	
61333-1SD 1/5	Ca	5611.96484	5604.58056	5619.34863	0.18607	ug/L	09/24/10	19:33	
61333-1SD 1/5	Cd	5.77883	5.97693	5.58073	4.84798	ug/L	09/24/10	19:33	
61333-1SD 1/5	Co	55.93494	55.38801	56.48187	1.38281	ug/L	09/24/10	19:33	
61333-1SD 1/5	Cr	22.53068	21.97916	23.08219	3.46176	ug/L	09/24/10	19:33	
61333-1SD 1/5	Cu	26.22426	25.33635	27.11217	4.78829	ug/L	09/24/10	19:33	
61333-1SD 1/5	Fe	114.27311	125.68923	102.85700	14.12828	ug/L	09/24/10	19:33	
61333-1SD 1/5	2Fe	0.11428	0.12569	0.10286	14.12517	mg/L	09/24/10	19:33	
61333-1SD 1/5	K	1326.29797	1322.99462	1329.60131	0.35223	ug/L	09/24/10	19:33	
61333-1SD 1/5	Mg	4627.94775	4618.94238	4636.95312	0.27518	ug/L	09/24/10	19:33	
61333-1SD 1/5	2Mg	4.62664	4.61764	4.63565	0.27524	mg/L	09/24/10	19:33	
61333-1SD 1/5	Mn	55.94465	55.87125	56.01805	0.18555	ug/L	09/24/10	19:33	
61333-1SD 1/5	Mo	55.78881	54.96579	56.61182	2.08629	ug/L	09/24/10	19:33	
61333-1SD 1/5	Na	16080.73828	16169.14648	15992.32910	0.77750	ug/L	09/24/10	19:33	
61333-1SD 1/5	Ni	55.83344	55.10336	56.56352	1.84922	ug/L	09/24/10	19:33	
61333-1SD 1/5	Pb	56.80258	56.60724	56.99792	0.48634	ug/L	09/24/10	19:33	
61333-1SD 1/5	Se	190.14878	190.97499	189.32258	0.61448	ug/L	09/24/10	19:33	
61333-1SD 1/5	Sb	50.31175	48.85240	51.77109	4.10208	ug/L	09/24/10	19:33	
61333-1SD 1/5	Sn	110.75167	108.67804	112.82530	2.64786	ug/L	09/24/10	19:33	
61333-1SD 1/5	Sr	1494.72277	1495.01953	1494.42602	0.02807	ug/L	09/24/10	19:33	
61333-1SD 1/5	Ti	74.56931	74.49567	74.64295	0.13965	ug/L	09/24/10	19:33	
61333-1SD 1/5	Tl	225.77752	222.51838	229.03668	2.04144	ug/L	09/24/10	19:33	
61333-1SD 1/5	V	54.20346	54.12710	54.27983	0.19925	ug/L	09/24/10	19:33	
61333-1SD 1/5	Zn	57.89276	57.54320	58.24234	0.85393	ug/L	09/24/10	19:33	
61333-1SD 1/5	2203/1	63.85407	56.16578	71.54235	17.02770	ug/L	09/24/10	19:33	
61333-1SD 1/5	2203/2	53.28212	56.82764	49.73661	9.41049	ug/L	09/24/10	19:33	
61333-1SD 1/5	1960/1	192.56881	187.07887	198.05877	4.03178	ug/L	09/24/10	19:33	
61333-1SD 1/5	1960/2	188.94044	192.91998	184.96090	2.97867	ug/L	09/24/10	19:33	
61333-1SD 1/5	Y	1036.57397	1039.69604	1033.45202	0.42594		09/24/10	19:33	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61333-2 1/5	Ag	-0.26234	0.21790	-0.74260	258.88311	ug/L	09/24/10	19:38	
61333-2 1/5	Al	24.63966	24.19096	25.08836	2.57535	ug/L	09/24/10	19:38	
61333-2 1/5	2Al	0.02464	0.02419	0.02508	2.57535	mg/L	09/24/10	19:38	
61333-2 1/5	As	-1.63919	-1.23883	-2.03955	34.54096	ug/L	09/24/10	19:38	
61333-2 1/5	B	9.25020	9.14557	9.35482	1.59952	ug/L	09/24/10	19:38	
61333-2 1/5	Ba	2.99722	2.91864	3.07580	3.70778	ug/L	09/24/10	19:38	
61333-2 1/5	Be	-0.00239	-0.01175	0.00697	553.54864	ug/L	09/24/10	19:38	
61333-2 1/5	Ca	4879.89453	4894.85693	4864.93212	0.43361	ug/L	09/24/10	19:38	
61333-2 1/5	Cd	0.29988	0.24657	0.35319	25.13856	ug/L	09/24/10	19:38	
61333-2 1/5	Co	0.14743	-0.26082	0.55570	391.60876	ug/L	09/24/10	19:38	
61333-2 1/5	Cr	0.67891	0.19562	1.16220	100.67089	ug/L	09/24/10	19:38	
61333-2 1/5	Cu	0.32607	0.42033	0.23182	40.87911	ug/L	09/24/10	19:38	
61333-2 1/5	Fe	1.29714	11.69050	-9.09620	1133.13525	ug/L	09/24/10	19:38	
61333-2 1/5	2Fe	0.00129	0.01168	-0.00909	1132.98803	mg/L	09/24/10	19:38	
61333-2 1/5	K	518.21606	513.95874	522.47332	1.16181	ug/L	09/24/10	19:38	
61333-2 1/5	Mg	3555.23193	3564.23681	3546.22705	0.35819	ug/L	09/24/10	19:38	
61333-2 1/5	2Mg	3.55422	3.56322	3.54522	0.35812	mg/L	09/24/10	19:38	
61333-2 1/5	Mn	0.17731	0.15218	0.20244	20.04214	ug/L	09/24/10	19:38	
61333-2 1/5	Mo	2.02762	2.96539	1.08986	65.40650	ug/L	09/24/10	19:38	
61333-2 1/5	Na	9598.54101	9712.53417	9484.54882	1.67952	ug/L	09/24/10	19:38	
61333-2 1/5	Ni	0.29299	-0.16475	0.75074	220.94447	ug/L	09/24/10	19:38	
61333-2 1/5	Pb	0.48544	-0.24783	1.21872	213.62100	ug/L	09/24/10	19:38	
61333-2 1/5	Se	2.74195	3.84912	1.63478	57.10432	ug/L	09/24/10	19:38	
61333-2 1/5	Sb	3.72275	1.74322	5.70228	75.19903	ug/L	09/24/10	19:38	
61333-2 1/5	Sn	1.88894	2.77641	1.00146	66.44355	ug/L	09/24/10	19:38	
61333-2 1/5	Sr	1638.23413	1642.08044	1634.38781	0.33203	ug/L	09/24/10	19:38	
61333-2 1/5	Ti	0.37321	0.28895	0.45747	31.92794	ug/L	09/24/10	19:38	
61333-2 1/5	Tl	-2.66408	-3.62792	-1.70024	51.16492	ug/L	09/24/10	19:38	
61333-2 1/5	V	1.04764	0.75591	1.33937	39.38022	ug/L	09/24/10	19:38	
61333-2 1/5	Zn	2.36525	2.34077	2.38972	1.46318	ug/L	09/24/10	19:38	
61333-2 1/5	2203/1	0.90466	2.51881	-0.70949	252.33360	ug/L	09/24/10	19:38	
61333-2 1/5	2203/2	0.27615	-1.62908	2.18139	975.69519	ug/L	09/24/10	19:38	
61333-2 1/5	1960/1	0.75827	2.33240	-0.81585	293.58050	ug/L	09/24/10	19:38	
61333-2 1/5	1960/2	3.73230	4.60634	2.85826	33.11840	ug/L	09/24/10	19:38	
61333-2 1/5	Y	1034.61743	1034.15197	1035.08300	0.06363		09/24/10	19:38	
61367-17 1/5	Ag	-0.59007	-0.35658	-0.82357	55.96055	ug/L	09/24/10	19:43	
61367-17 1/5	Al	4090.47094	4103.26220	4077.67968	0.44223	ug/L	09/24/10	19:43	
61367-17 1/5	2Al	4.09048	4.10328	4.07769	0.44228	mg/L	09/24/10	19:43	
61367-17 1/5	As	3.19952	4.08099	2.31806	38.96136	ug/L	09/24/10	19:43	
61367-17 1/5	B	36.47894	36.15228	36.80559	1.26637	ug/L	09/24/10	19:43	
61367-17 1/5	Ba	4.35375	4.33916	4.36834	0.47376	ug/L	09/24/10	19:43	
61367-17 1/5	Be	4.47686	4.49600	4.45772	0.60453	ug/L	09/24/10	19:43	
61367-17 1/5	Ca	16380.00390	16428.78710	16331.22070	0.42118	ug/L	09/24/10	19:43	
61367-17 1/5	Cd	0.11379	-0.01355	0.24114	158.26506	ug/L	09/24/10	19:43	
61367-17 1/5	Co	11.57371	11.57170	11.57571	0.02452	ug/L	09/24/10	19:43	
61367-17 1/5	Cr	1.75920	1.82774	1.69067	5.50934	ug/L	09/24/10	19:43	
61367-17 1/5	Cu	-0.45082	-0.51958	-0.38206	21.56910	ug/L	09/24/10	19:43	
61367-17 1/5	Fe	86080.21875	86359.17187	85801.26562	0.45829	ug/L	09/24/10	19:43	
61367-17 1/5	2Fe	86.06491	86.34296	85.78685	0.45689	mg/L	09/24/10	19:43	
61367-17 1/5	K	1185.47216	1182.84057	1188.10388	0.31394	ug/L	09/24/10	19:43	
61367-17 1/5	Mg	7405.15820	7423.95117	7386.36572	0.35889	ug/L	09/24/10	19:43	
61367-17 1/5	2Mg	7.38817	7.40691	7.36944	0.35868	mg/L	09/24/10	19:43	
61367-17 1/5	Mn	533.82690	535.06555	532.58831	0.32813	ug/L	09/24/10	19:43	
61367-17 1/5	Mo	-0.50878	-0.62405	-0.39351	32.04051	ug/L	09/24/10	19:43	
61367-17 1/5	Na	6021.66503	5986.97460	6056.35595	0.81472	ug/L	09/24/10	19:43	
61367-17 1/5	Ni	21.75510	21.53440	21.97581	1.43472	ug/L	09/24/10	19:43	
61367-17 1/5	Pb	0.32453	1.14446	-0.49539	357.29733	ug/L	09/24/10	19:43	
61367-17 1/5	Se	4.26565	3.53386	4.99744	24.26141	ug/L	09/24/10	19:43	
61367-17 1/5	Sb	0.93615	0.78568	1.08661	22.72989	ug/L	09/24/10	19:43	
61367-17 1/5	Sn	1.04988	0.99791	1.10186	7.00082	ug/L	09/24/10	19:43	
61367-17 1/5	Sr	141.87831	142.32037	141.43624	0.44063	ug/L	09/24/10	19:43	
61367-17 1/5	Ti	-0.14428	-0.20215	-0.08642	56.71665	ug/L	09/24/10	19:43	
61367-17 1/5	Tl	2.36597	5.41581	-0.68386	182.29780	ug/L	09/24/10	19:43	
61367-17 1/5	V	93.19993	93.23406	93.16579	0.05180	ug/L	09/24/10	19:43	
61367-17 1/5	Zn	24.86975	24.77665	24.96284	0.52938	ug/L	09/24/10	19:43	
61367-17 1/5	2203/1	7.99479	8.05798	7.93161	1.11771	ug/L	09/24/10	19:43	
61367-17 1/5	2203/2	-3.50484	-2.30711	-4.70258	48.32877	ug/L	09/24/10	19:43	
61367-17 1/5	1960/1	4.98496	3.27958	6.69035	48.38090	ug/L	09/24/10	19:43	
61367-17 1/5	1960/2	3.90653	3.66080	4.15225	8.89553	ug/L	09/24/10	19:43	
61367-17 1/5	Y	1105.43652	1110.58508	1100.28808	0.65866		09/24/10	19:43	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	499.97949	499.09143	500.86758	0.25119	ug/L	09/24/10	19:48	
CCV	Al	4951.00683	4958.74169	4943.27148	0.22094	ug/L	09/24/10	19:48	
CCV	2Al	4.95100	4.95892	4.94308	0.22617	mg/L	09/24/10	19:48	
CCV	As	525.91357	527.48614	524.34094	0.42288	ug/L	09/24/10	19:48	
CCV	B	5159.87500	5157.40625	5162.34326	0.06765	ug/L	09/24/10	19:48	
CCV	Ba	4975.18066	4984.54345	4965.81835	0.26613	ug/L	09/24/10	19:48	
CCV	Be	515.99938	516.83685	515.16198	0.22951	ug/L	09/24/10	19:48	
CCV	Ca	5124.68652	5128.92041	5120.45312	0.11683	ug/L	09/24/10	19:48	
CCV	Cd	523.32592	524.91723	521.73455	0.43003	ug/L	09/24/10	19:48	
CCV	Co	513.60351	513.64624	513.56072	0.01177	ug/L	09/24/10	19:48	
CCV	Cr	5101.92089	5108.53369	5095.30859	0.18329	ug/L	09/24/10	19:48	
CCV	Cu	4994.85937	5005.77343	4983.94531	0.30901	ug/L	09/24/10	19:48	
CCV	Fe	5123.07958	5130.68554	5115.47363	0.20996	ug/L	09/24/10	19:48	
CCV	2Fe	5.12307	5.13067	5.11546	0.20994	mg/L	09/24/10	19:48	
CCV	K	9609.41113	9599.93750	9618.88476	0.13942	ug/L	09/24/10	19:48	
CCV	Mg	5194.02539	5198.52148	5189.52978	0.12241	ug/L	09/24/10	19:48	
CCV	2Mg	5.19400	5.19850	5.18950	0.12241	mg/L	09/24/10	19:48	
CCV	Mn	5119.20849	5126.09228	5112.32470	0.19016	ug/L	09/24/10	19:48	
CCV	Mo	507.32754	505.56024	509.09484	0.49264	ug/L	09/24/10	19:48	
CCV	Na	7241.19824	7102.94873	7379.44726	2.70002	ug/L	09/24/10	19:48	
CCV	Ni	2585.55590	2586.88012	2584.23168	0.07243	ug/L	09/24/10	19:48	
CCV	Pb	525.41668	526.37066	524.46270	0.25677	ug/L	09/24/10	19:48	
CCV	Se	5282.49316	5274.12988	5290.85644	0.22389	ug/L	09/24/10	19:48	
CCV	Sb	510.26593	509.10321	511.42861	0.32224	ug/L	09/24/10	19:48	
CCV	Sn	5176.35546	5175.05419	5177.65625	0.03554	ug/L	09/24/10	19:48	
CCV	Sr	2522.44042	2525.26831	2519.61279	0.15853	ug/L	09/24/10	19:48	
CCV	Ti	502.77325	502.94866	502.59786	0.04933	ug/L	09/24/10	19:48	
CCV	Tl	5199.08203	5203.31738	5194.84619	0.11521	ug/L	09/24/10	19:48	
CCV	V	5055.41552	5060.18798	5050.64306	0.13350	ug/L	09/24/10	19:48	
CCV	Zn	2625.06689	2625.54003	2624.59350	0.02549	ug/L	09/24/10	19:48	
CCV	2203/1	524.87145	521.96820	527.77478	0.78226	ug/L	09/24/10	19:48	
CCV	2203/2	525.68444	528.56420	522.80474	0.77471	ug/L	09/24/10	19:48	
CCV	1960/1	5236.51318	5261.42675	5211.59960	0.67283	ug/L	09/24/10	19:48	
CCV	1960/2	5305.44824	5280.47167	5330.42529	0.66577	ug/L	09/24/10	19:48	
CCV	Y	1029.66162	1032.73803	1026.58508	0.42254		09/24/10	19:48	
CCB	Ag	-0.57542	-0.32440	-0.82644	61.69177	ug/L	09/24/10	19:54	
CCB	Al	16.96817	15.54062	18.39572	11.89791	ug/L	09/24/10	19:54	
CCB	2Al	0.01696	0.01554	0.01839	11.89782	mg/L	09/24/10	19:54	
CCB	As	-2.11813	-2.46349	-1.77276	23.05880	ug/L	09/24/10	19:54	
CCB	B	9.47370	10.56532	8.38208	16.29544	ug/L	09/24/10	19:54	
CCB	Ba	0.51253	0.20111	0.82395	85.92946	ug/L	09/24/10	19:54	
CCB	Be	0.01274	-0.01869	0.04417	348.92974	ug/L	09/24/10	19:54	
CCB	Ca	1.17976	1.00398	1.35554	21.07092	ug/L	09/24/10	19:54	
CCB	Cd	0.01438	0.08949	-0.06073	738.55767	ug/L	09/24/10	19:54	
CCB	Co	-0.41389	-0.24000	-0.58779	59.41587	ug/L	09/24/10	19:54	
CCB	Cr	0.55092	0.32971	0.77212	56.78278	ug/L	09/24/10	19:54	
CCB	Cu	0.66253	0.03745	1.28761	133.42703	ug/L	09/24/10	19:54	
CCB	Fe	-7.16072	-5.28929	-9.03215	36.95994	ug/L	09/24/10	19:54	
CCB	2Fe	-0.00715	-0.00528	-0.00903	36.95974	mg/L	09/24/10	19:54	
CCB	K	-12.23050	1.55914	-26.02014	159.44969	ug/L	09/24/10	19:54	
CCB	Mg	-1.21712	-3.69203	1.25777	287.56567	ug/L	09/24/10	19:54	
CCB	2Mg	-0.00121	-0.00369	0.00125	287.97485	mg/L	09/24/10	19:54	
CCB	Mn	0.47114	0.06355	0.87873	122.34468	ug/L	09/24/10	19:54	
CCB	Mo	1.34596	1.96829	0.72362	65.38964	ug/L	09/24/10	19:54	
CCB	Na	-187.25247	26.98896	-401.49389	161.80462	ug/L	09/24/10	19:54	
CCB	Ni	-0.12286	-0.02587	-0.21985	111.64338	ug/L	09/24/10	19:54	
CCB	Pb	0.86552	0.89838	0.83266	5.36901	ug/L	09/24/10	19:54	
CCB	Se	4.26991	5.69791	2.84191	47.29603	ug/L	09/24/10	19:54	
CCB	Sb	2.36649	2.79601	1.93697	25.66800	ug/L	09/24/10	19:54	
CCB	Sn	2.32888	2.81667	1.84110	29.62077	ug/L	09/24/10	19:54	
CCB	Sr	0.28114	0.09983	0.46246	91.20531	ug/L	09/24/10	19:54	
CCB	Ti	0.17362	0.19329	0.15394	16.02438	ug/L	09/24/10	19:54	
CCB	Tl	2.92273	4.34748	1.49798	68.93872	ug/L	09/24/10	19:54	
CCB	V	0.36387	-0.04311	0.77086	158.17970	ug/L	09/24/10	19:54	
CCB	Zn	0.05001	-0.15140	0.25143	569.57482	ug/L	09/24/10	19:54	
CCB	2203/1	3.92557	4.63784	3.21330	25.66005	ug/L	09/24/10	19:54	
CCB	2203/2	-0.66220	-0.96854	-0.35586	65.42160	ug/L	09/24/10	19:54	
CCB	1960/1	6.15290	7.35650	4.94930	27.66415	ug/L	09/24/10	19:54	
CCB	1960/2	3.32983	4.86987	1.78979	65.40681	ug/L	09/24/10	19:54	
CCB	Y	1029.11547	1032.89208	1025.33898	0.51897		09/24/10	19:54	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 180656	Ag	0.32938	0.34704	0.31172	7.58109	ug/L	09/24/10	19:59	
PBW 180656	Al	18.46707	15.05872	21.87541	26.10120	ug/L	09/24/10	19:59	
PBW 180656	2Al	0.01846	0.01505	0.02187	26.10120	mg/L	09/24/10	19:59	
PBW 180656	As	-1.78692	-2.75980	-0.81405	76.99547	ug/L	09/24/10	19:59	
PBW 180656	B	1.99463	1.46048	2.52878	37.87197	ug/L	09/24/10	19:59	
PBW 180656	Ba	0.05288	-0.11943	0.22520	460.80084	ug/L	09/24/10	19:59	
PBW 180656	Be	-0.01898	-0.03245	-0.00550	100.37911	ug/L	09/24/10	19:59	
PBW 180656	Ca	14.08766	13.90418	14.27115	1.84193	ug/L	09/24/10	19:59	
PBW 180656	Cd	-0.04522	-0.01748	-0.07295	86.74345	ug/L	09/24/10	19:59	
PBW 180656	Co	-0.27555	-0.47276	-0.07835	101.20824	ug/L	09/24/10	19:59	
PBW 180656	Cr	0.65284	0.39799	0.90769	55.20720	ug/L	09/24/10	19:59	
PBW 180656	Cu	0.12615	0.05561	0.19670	79.07757	ug/L	09/24/10	19:59	
PBW 180656	Fe	8.48595	7.02172	9.95017	24.40183	ug/L	09/24/10	19:59	
PBW 180656	2Fe	0.00848	0.00702	0.00994	24.40372	mg/L	09/24/10	19:59	
PBW 180656	K	-3.87837	-9.17790	1.42115	193.24232	ug/L	09/24/10	19:59	
PBW 180656	Mg	1.26431	-1.22131	3.74994	278.03292	ug/L	09/24/10	19:59	
PBW 180656	2Mg	0.00126	-0.00122	0.00374	278.29986	mg/L	09/24/10	19:59	
PBW 180656	Mn	0.34379	0.30676	0.38081	15.22934	ug/L	09/24/10	19:59	
PBW 180656	Mo	1.19612	0.28024	2.11201	108.28782	ug/L	09/24/10	19:59	
PBW 180656	Na	110.47942	13.30657	207.65226	124.38801	ug/L	09/24/10	19:59	
PBW 180656	Ni	-1.21572	-1.47480	-0.95664	30.13812	ug/L	09/24/10	19:59	
PBW 180656	Pb	0.22069	0.50931	-0.06793	184.95782	ug/L	09/24/10	19:59	
PBW 180656	Se	0.74938	0.90098	0.59779	28.60820	ug/L	09/24/10	19:59	
PBW 180656	Sb	-1.38489	-2.03499	-0.73478	66.38684	ug/L	09/24/10	19:59	
PBW 180656	Sn	12.09721	10.69038	13.50404	16.44646	ug/L	09/24/10	19:59	
PBW 180656	Sr	0.02655	-0.00021	0.05331	142.56202	ug/L	09/24/10	19:59	
PBW 180656	Ti	0.27756	0.17412	0.38100	52.70198	ug/L	09/24/10	19:59	
PBW 180656	Tl	2.64267	1.50536	3.77997	60.86240	ug/L	09/24/10	19:59	
PBW 180656	V	-0.17596	-0.49306	0.14112	254.84548	ug/L	09/24/10	19:59	
PBW 180656	Zn	0.95278	0.94908	0.95647	0.54794	ug/L	09/24/10	19:59	
PBW 180656	2203/1	4.39316	4.39790	4.38842	0.15255	ug/L	09/24/10	19:59	
PBW 180656	2203/2	-1.86241	-1.43205	-2.29278	32.67917	ug/L	09/24/10	19:59	
PBW 180656	1960/1	1.91677	2.70201	1.13152	57.93635	ug/L	09/24/10	19:59	
PBW 180656	1960/2	0.16657	0.00181	0.33133	139.87876	ug/L	09/24/10	19:59	
PBW 180656	Y	1027.52661	1030.62402	1024.42907	0.42631		09/24/10	19:59	
LCSW-1	Ag	38.23571	39.80112	36.67029	5.78996	ug/L	09/24/10	20:04	
LCSW-1	Al	1997.34826	2001.11743	1993.57910	0.26687	ug/L	09/24/10	20:04	
LCSW-1	2Al	1.99734	2.00101	1.99366	0.26033	mg/L	09/24/10	20:04	
LCSW-1	As	2089.21289	2083.81542	2094.61035	0.36536	ug/L	09/24/10	20:04	
LCSW-1	B	1037.37438	1034.45434	1040.29443	0.39807	ug/L	09/24/10	20:04	
LCSW-1	Ba	2049.39697	2049.02587	2049.76806	0.02560	ug/L	09/24/10	20:04	
LCSW-1	Be	51.96730	51.99782	51.93677	0.08306	ug/L	09/24/10	20:04	
LCSW-1	Ca	5164.46533	5166.71630	5162.21435	0.06163	ug/L	09/24/10	20:04	
LCSW-1	Cd	53.51166	53.53755	53.48578	0.06840	ug/L	09/24/10	20:04	
LCSW-1	Co	525.62597	525.62670	525.62530	0.00018	ug/L	09/24/10	20:04	
LCSW-1	Cr	209.60449	209.85331	209.35566	0.16788	ug/L	09/24/10	20:04	
LCSW-1	Cu	253.82199	253.15914	254.48483	0.36931	ug/L	09/24/10	20:04	
LCSW-1	Fe	1034.27001	1041.32568	1027.21447	0.96475	ug/L	09/24/10	20:04	
LCSW-1	2Fe	1.03435	1.04141	1.02730	0.96455	mg/L	09/24/10	20:04	
LCSW-1	K	4859.16406	4896.40185	4821.92626	1.08377	ug/L	09/24/10	20:04	
LCSW-1	Mg	5220.06152	5220.33154	5219.79199	0.00730	ug/L	09/24/10	20:04	
LCSW-1	2Mg	5.21864	5.21891	5.21837	0.00726	mg/L	09/24/10	20:04	
LCSW-1	Mn	523.36047	523.07714	523.64373	0.07655	ug/L	09/24/10	20:04	
LCSW-1	Mo	514.69439	513.73065	515.65814	0.26480	ug/L	09/24/10	20:04	
LCSW-1	Na	4911.04589	4975.36669	4846.72509	1.85221	ug/L	09/24/10	20:04	
LCSW-1	Ni	525.86633	525.18524	526.54748	0.18317	ug/L	09/24/10	20:04	
LCSW-1	Pb	525.70214	527.57556	523.82873	0.50397	ug/L	09/24/10	20:04	
LCSW-1	Se	2113.18334	2122.35375	2104.01293	0.61371	ug/L	09/24/10	20:04	
LCSW-1	Sb	499.11364	501.27990	496.94738	0.61379	ug/L	09/24/10	20:04	
LCSW-1	Sn	1051.92724	1049.75634	1054.09814	0.29185	ug/L	09/24/10	20:04	
LCSW-1	Sr	520.22973	519.82781	520.63171	0.10926	ug/L	09/24/10	20:04	
LCSW-1	Ti	710.13623	710.20104	710.07141	0.01290	ug/L	09/24/10	20:04	
LCSW-1	Tl	2151.07324	2151.53295	2150.61328	0.03023	ug/L	09/24/10	20:04	
LCSW-1	V	510.01379	510.82714	509.20046	0.22553	ug/L	09/24/10	20:04	
LCSW-1	Zn	538.94793	538.95385	538.94201	0.00155	ug/L	09/24/10	20:04	
LCSW-1	2203/1	528.86938	536.01037	521.72845	1.90951	ug/L	09/24/10	20:04	
LCSW-1	2203/2	524.12084	523.36444	524.87725	0.20409	ug/L	09/24/10	20:04	
LCSW-1	1960/1	2101.11523	2112.81201	2089.41870	0.78727	ug/L	09/24/10	20:04	
LCSW-1	1960/2	2119.20751	2127.11669	2111.29833	0.52780	ug/L	09/24/10	20:04	
LCSW-1	Y	1014.35253	1014.05505	1014.65002	0.04147		09/24/10	20:04	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61408-1 1/10	Ag	-0.09067	0.72823	-0.90958	1277.14721	ug/L	09/24/10	20:09	
61408-1 1/10	Al	196.18804	199.80848	192.56759	2.60978	ug/L	09/24/10	20:09	
61408-1 1/10	2Al	0.19619	0.19981	0.19257	2.60978	mg/L	09/24/10	20:09	
61408-1 1/10	As	-25.70574	-27.37047	-24.04102	9.15853	ug/L	09/24/10	20:09	
61408-1 1/10	B	15.59190	15.92568	15.25812	3.02745	ug/L	09/24/10	20:09	
61408-1 1/10	Ba	0.77307	0.47745	1.06868	54.07786	ug/L	09/24/10	20:09	
61408-1 1/10	Be	-0.01361	-0.00641	-0.02080	74.74681	ug/L	09/24/10	20:09	
61408-1 1/10	Ca	675.44848	678.87597	672.02093	0.71763	ug/L	09/24/10	20:09	
61408-1 1/10	Cd	12.64060	12.83175	12.44944	2.13861	ug/L	09/24/10	20:09	
61408-1 1/10	Co	11.28560	11.06919	11.50201	2.71186	ug/L	09/24/10	20:09	
61408-1 1/10	Cr	23091.42187	23226.20703	22956.63671	0.82547	ug/L	09/24/10	20:09	
61408-1 1/10	Cu	92.61396	93.09376	92.13416	0.73265	ug/L	09/24/10	20:09	
61408-1 1/10	Fe	1373.53063	1379.64599	1367.41528	0.62964	ug/L	09/24/10	20:09	
61408-1 1/10	2Fe	1.37318	1.37929	1.36706	0.62961	mg/L	09/24/10	20:09	
61408-1 1/10	K	15.16893	31.40664	-1.06877	151.38562	ug/L	09/24/10	20:09	
61408-1 1/10	Mg	1316.08593	1323.88708	1308.28466	0.83828	ug/L	09/24/10	20:09	
61408-1 1/10	2Mg	1.31551	1.32331	1.30772	0.83831	mg/L	09/24/10	20:09	
61408-1 1/10	Mn	99.39423	99.97638	98.81208	0.82830	ug/L	09/24/10	20:09	
61408-1 1/10	Mo	40.10501	39.94807	40.26195	0.55342	ug/L	09/24/10	20:09	
61408-1 1/10	Na	1050.88452	1197.97521	903.79388	19.79452	ug/L	09/24/10	20:09	
61408-1 1/10	Ni	572.72851	577.76770	567.68939	1.24429	ug/L	09/24/10	20:09	
61408-1 1/10	Pb	-0.87100	-1.49415	-0.24785	101.17745	ug/L	09/24/10	20:09	
61408-1 1/10	Se	3.58670	3.19688	3.97651	15.37006	ug/L	09/24/10	20:09	
61408-1 1/10	Sb	53.65449	58.68120	48.62778	13.24929	ug/L	09/24/10	20:09	
61408-1 1/10	Sn	4.01805	5.87629	2.15980	65.40378	ug/L	09/24/10	20:09	
61408-1 1/10	Sr	5.97993	5.93369	6.02618	1.09366	ug/L	09/24/10	20:09	
61408-1 1/10	Ti	4.74990	4.68819	4.81161	1.83742	ug/L	09/24/10	20:09	
61408-1 1/10	Tl	4.04282	9.23586	-1.15020	181.65657	ug/L	09/24/10	20:09	
61408-1 1/10	V	-34.68617	-35.35823	-34.01411	2.74009	ug/L	09/24/10	20:09	
61408-1 1/10	Zn	4243.65869	4271.75439	4215.56298	0.93629	ug/L	09/24/10	20:09	
61408-1 1/10	2203/1	0.33094	7.12925	-6.46736	2905.08642	ug/L	09/24/10	20:09	
61408-1 1/10	2203/2	-1.47107	-5.79939	2.85723	416.09970	ug/L	09/24/10	20:09	
61408-1 1/10	1960/1	1.17762	4.96483	-2.60958	454.80752	ug/L	09/24/10	20:09	
61408-1 1/10	1960/2	4.78943	2.31424	7.26462	73.08695	ug/L	09/24/10	20:09	
61408-1 1/10	Y	1031.05456	1027.85205	1034.25708	0.43926		09/24/10	20:09	
61408-3 1/10	Ag	0.41172	0.26588	0.55756	50.09277	ug/L	09/24/10	20:14	
61408-3 1/10	Al	99.69468	103.78295	95.60641	5.79939	ug/L	09/24/10	20:14	
61408-3 1/10	2Al	0.09969	0.10378	0.09561	5.79938	mg/L	09/24/10	20:14	
61408-3 1/10	As	-16.28808	-13.73149	-18.84467	22.19756	ug/L	09/24/10	20:14	
61408-3 1/10	B	11.12202	12.34252	9.90152	15.51917	ug/L	09/24/10	20:14	
61408-3 1/10	Ba	0.22457	0.25914	0.19001	21.76474	ug/L	09/24/10	20:14	
61408-3 1/10	Be	-0.06833	-0.07507	-0.06159	13.95315	ug/L	09/24/10	20:14	
61408-3 1/10	Ca	174.94923	175.62066	174.27780	0.54275	ug/L	09/24/10	20:14	
61408-3 1/10	Cd	2.28629	2.31980	2.25279	2.07248	ug/L	09/24/10	20:14	
61408-3 1/10	Co	5.75702	6.04862	5.46541	7.16332	ug/L	09/24/10	20:14	
61408-3 1/10	Cr	17929.00000	17969.55273	17888.44531	0.31988	ug/L	09/24/10	20:14	
61408-3 1/10	Cu	1034.75793	1035.92687	1033.58898	0.15976	ug/L	09/24/10	20:14	
61408-3 1/10	Fe	677.79479	677.86474	677.72485	0.01459	ug/L	09/24/10	20:14	
61408-3 1/10	2Fe	0.67757	0.67764	0.67750	0.01453	mg/L	09/24/10	20:14	
61408-3 1/10	K	17.84688	24.83651	10.85725	55.38683	ug/L	09/24/10	20:14	
61408-3 1/10	Mg	112.03662	115.85769	108.21555	4.82325	ug/L	09/24/10	20:14	
61408-3 1/10	2Mg	0.11189	0.11571	0.10807	4.82780	mg/L	09/24/10	20:14	
61408-3 1/10	Mn	30.13823	30.20554	30.07093	0.31582	ug/L	09/24/10	20:14	
61408-3 1/10	Mo	23.79834	23.66262	23.93406	0.80652	ug/L	09/24/10	20:14	
61408-3 1/10	Na	194.12535	49.59608	338.65463	105.29034	ug/L	09/24/10	20:14	
61408-3 1/10	Ni	387.13232	388.07437	386.19030	0.34412	ug/L	09/24/10	20:14	
61408-3 1/10	Pb	0.76883	2.05963	-0.52195	237.43130	ug/L	09/24/10	20:14	
61408-3 1/10	Se	3.00181	1.89079	4.11282	52.34233	ug/L	09/24/10	20:14	
61408-3 1/10	Sb	39.91659	40.20454	39.62864	1.02018	ug/L	09/24/10	20:14	
61408-3 1/10	Sn	2.90203	4.71239	1.09167	88.22207	ug/L	09/24/10	20:14	
61408-3 1/10	Sr	0.33375	0.36656	0.30093	13.90540	ug/L	09/24/10	20:14	
61408-3 1/10	Ti	3.73737	3.85342	3.62131	4.39144	ug/L	09/24/10	20:14	
61408-3 1/10	Tl	4.36133	2.81035	5.91231	50.29230	ug/L	09/24/10	20:14	
61408-3 1/10	V	-25.53169	-26.40524	-24.65815	4.83861	ug/L	09/24/10	20:14	
61408-3 1/10	Zn	147.13084	147.64753	146.61415	0.49664	ug/L	09/24/10	20:14	
61408-3 1/10	2203/1	4.52625	2.97056	6.08194	48.60706	ug/L	09/24/10	20:14	
61408-3 1/10	2203/2	-1.10705	1.60485	-3.81895	346.43490	ug/L	09/24/10	20:14	
61408-3 1/10	1960/1	2.73820	3.14431	2.33209	20.97451	ug/L	09/24/10	20:14	
61408-3 1/10	1960/2	3.13341	1.26496	5.00186	84.32910	ug/L	09/24/10	20:14	
61408-3 1/10	Y	1028.93359	1028.02001	1029.84704	0.12555		09/24/10	20:14	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61408-5 1/10	Ag	-0.59399	-0.74197	-0.44600	35.23229	ug/L	09/24/10	20:20	
61408-5 1/10	Al	20.56317	23.68784	17.43849	21.48964	ug/L	09/24/10	20:20	
61408-5 1/10	2Al	0.02056	0.02368	0.01743	21.48963	mg/L	09/24/10	20:20	
61408-5 1/10	As	-9.19040	-10.23589	-8.14490	16.08807	ug/L	09/24/10	20:20	
61408-5 1/10	B	5.06080	5.55147	4.57014	13.71136	ug/L	09/24/10	20:20	
61408-5 1/10	Ba	0.01165	-0.05204	0.07535	772.86761	ug/L	09/24/10	20:20	
61408-5 1/10	Be	-0.05415	-0.06383	-0.04446	25.30052	ug/L	09/24/10	20:20	
61408-5 1/10	Ca	14.03227	13.59793	14.46662	4.37741	ug/L	09/24/10	20:20	
61408-5 1/10	Cd	0.63974	0.64127	0.63821	0.33815	ug/L	09/24/10	20:20	
61408-5 1/10	Co	0.43718	0.52072	0.35363	27.02538	ug/L	09/24/10	20:20	
61408-5 1/10	Cr	9640.72851	9725.85839	9555.59960	1.24877	ug/L	09/24/10	20:20	
61408-5 1/10	Cu	939.38171	947.58251	931.18084	1.23461	ug/L	09/24/10	20:20	
61408-5 1/10	Fe	14.89065	-4.81113	34.59244	187.11421	ug/L	09/24/10	20:20	
61408-5 1/10	2Fe	0.01481	-0.00488	0.03451	188.06124	mg/L	09/24/10	20:20	
61408-5 1/10	K	6.27521	-8.88948	21.43991	341.75912	ug/L	09/24/10	20:20	
61408-5 1/10	Mg	6.26046	3.75781	8.76311	56.53382	ug/L	09/24/10	20:20	
61408-5 1/10	2Mg	0.00625	0.00375	0.00875	56.47904	mg/L	09/24/10	20:20	
61408-5 1/10	Mn	0.30425	0.22773	0.38076	35.56674	ug/L	09/24/10	20:20	
61408-5 1/10	Mo	0.91848	1.80577	0.03120	136.61734	ug/L	09/24/10	20:20	
61408-5 1/10	Na	859.42590	971.27722	747.57458	18.40550	ug/L	09/24/10	20:20	
61408-5 1/10	Ni	0.11515	-0.21437	0.44468	404.70593	ug/L	09/24/10	20:20	
61408-5 1/10	Pb	1.67719	2.13820	1.21619	38.87177	ug/L	09/24/10	20:20	
61408-5 1/10	Se	2.91333	4.96117	0.86548	99.40845	ug/L	09/24/10	20:20	
61408-5 1/10	Sb	20.58859	21.25434	19.92285	4.57295	ug/L	09/24/10	20:20	
61408-5 1/10	Sn	2.66448	0.32833	5.00064	123.99476	ug/L	09/24/10	20:20	
61408-5 1/10	Sr	0.05062	0.05961	0.04163	25.11498	ug/L	09/24/10	20:20	
61408-5 1/10	Ti	1.98682	1.97850	1.99514	0.59216	ug/L	09/24/10	20:20	
61408-5 1/10	Tl	1.06242	3.22769	-1.10285	288.22409	ug/L	09/24/10	20:20	
61408-5 1/10	V	-16.60387	-18.64970	-14.55804	17.42507	ug/L	09/24/10	20:20	
61408-5 1/10	Zn	73.90266	74.72618	73.07913	1.57591	ug/L	09/24/10	20:20	
61408-5 1/10	2203/1	2.07992	1.63156	2.52828	30.48536	ug/L	09/24/10	20:20	
61408-5 1/10	2203/2	1.47613	2.39113	0.56113	87.66170	ug/L	09/24/10	20:20	
61408-5 1/10	1960/1	0.47657	2.36544	-1.41228	560.50488	ug/L	09/24/10	20:20	
61408-5 1/10	1960/2	4.12987	6.25710	2.00265	72.84353	ug/L	09/24/10	20:20	
61408-5 1/10	Y	1020.43200	1019.66900	1021.19500	0.10574		09/24/10	20:20	
61408-7 1/10	Ag	-0.55196	-0.40413	-0.69978	37.87413	ug/L	09/24/10	20:25	
61408-7 1/10	Al	76.13618	75.34159	76.93077	1.47593	ug/L	09/24/10	20:25	
61408-7 1/10	2Al	0.07614	0.07534	0.07693	1.47590	mg/L	09/24/10	20:25	
61408-7 1/10	As	-24.26610	-24.07745	-24.45475	1.09943	ug/L	09/24/10	20:25	
61408-7 1/10	B	14.19332	14.84743	13.53922	6.51746	ug/L	09/24/10	20:25	
61408-7 1/10	Ba	0.97664	0.94167	1.01160	5.06335	ug/L	09/24/10	20:25	
61408-7 1/10	Be	-0.11745	-0.12334	-0.11156	7.09278	ug/L	09/24/10	20:25	
61408-7 1/10	Ca	216.74789	220.48471	213.01109	2.43815	ug/L	09/24/10	20:25	
61408-7 1/10	Cd	1.09771	0.95122	1.24420	18.87317	ug/L	09/24/10	20:25	
61408-7 1/10	Co	1.69120	1.78308	1.59931	7.68360	ug/L	09/24/10	20:25	
61408-7 1/10	Cr	27986.53906	28278.82226	27694.25781	1.47695	ug/L	09/24/10	20:25	
61408-7 1/10	Cu	344.11508	347.42343	340.80673	1.35963	ug/L	09/24/10	20:25	
61408-7 1/10	Fe	3159.23535	3195.45947	3123.01123	1.62155	ug/L	09/24/10	20:25	
61408-7 1/10	2Fe	3.15861	3.19483	3.12240	1.62155	mg/L	09/24/10	20:25	
61408-7 1/10	K	30.70651	37.08180	24.33123	29.36188	ug/L	09/24/10	20:25	
61408-7 1/10	Mg	88.22769	91.95558	84.49980	5.97548	ug/L	09/24/10	20:25	
61408-7 1/10	2Mg	0.08766	0.09138	0.08394	6.00238	mg/L	09/24/10	20:25	
61408-7 1/10	Mn	29.29169	29.63873	28.94464	1.67554	ug/L	09/24/10	20:25	
61408-7 1/10	Mo	2.18062	2.36950	1.99173	12.25010	ug/L	09/24/10	20:25	
61408-7 1/10	Na	85.02234	85.03333	85.01136	0.01827	ug/L	09/24/10	20:25	
61408-7 1/10	Ni	7.33590	7.34995	7.32184	0.27089	ug/L	09/24/10	20:25	
61408-7 1/10	Pb	0.97299	1.38777	0.55820	60.28780	ug/L	09/24/10	20:25	
61408-7 1/10	Se	-1.31714	-0.24583	-2.38846	115.02587	ug/L	09/24/10	20:25	
61408-7 1/10	Sb	73.77587	74.75355	72.79819	1.87412	ug/L	09/24/10	20:25	
61408-7 1/10	Sn	2.98356	2.43270	3.53443	26.11106	ug/L	09/24/10	20:25	
61408-7 1/10	Sr	0.47593	0.49362	0.45825	5.25483	ug/L	09/24/10	20:25	
61408-7 1/10	Ti	5.32577	5.46647	5.18508	3.73609	ug/L	09/24/10	20:25	
61408-7 1/10	Tl	-4.18002	-2.61551	-5.74452	52.93136	ug/L	09/24/10	20:25	
61408-7 1/10	V	-40.71720	-42.03323	-39.40116	4.57092	ug/L	09/24/10	20:25	
61408-7 1/10	Zn	20.95334	21.42809	20.47858	3.20428	ug/L	09/24/10	20:25	
61408-7 1/10	2203/1	-0.38167	-1.88559	1.12225	557.25030	ug/L	09/24/10	20:25	
61408-7 1/10	2203/2	1.64930	3.02201	0.27660	117.70356	ug/L	09/24/10	20:25	
61408-7 1/10	1960/1	-3.97479	-5.72323	-2.22636	62.20852	ug/L	09/24/10	20:25	
61408-7 1/10	1960/2	0.00968	2.48875	-2.46938	36206.64453	ug/L	09/24/10	20:25	
61408-7 1/10	Y	1021.97900	1022.32202	1021.63604	0.04746		09/24/10	20:25	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61408-9	Ag	0.65397	-0.14699	1.45493	173.20840	ug/L	09/24/10	20:30	
61408-9	Al	14.57437	14.18272	14.96603	3.80037	ug/L	09/24/10	20:30	
61408-9	2Al	0.01457	0.01418	0.01496	3.80048	mg/L	09/24/10	20:30	
61408-9	As	-2.50743	-1.08593	-3.92893	80.17356	ug/L	09/24/10	20:30	
61408-9	B	0.67454	0.00594	1.34314	140.17488	ug/L	09/24/10	20:30	
61408-9	Ba	0.98513	1.09775	0.87250	16.16786	ug/L	09/24/10	20:30	
61408-9	Be	0.00349	0.00175	0.00523	70.28340	ug/L	09/24/10	20:30	
61408-9	Ca	67.76505	67.60791	67.92218	0.32793	ug/L	09/24/10	20:30	
61408-9	Cd	1.92728	2.18316	1.67140	18.77631	ug/L	09/24/10	20:30	
61408-9	Co	-0.60292	-0.36002	-0.84582	56.97410	ug/L	09/24/10	20:30	
61408-9	Cr	16.79308	16.57043	17.01574	1.87509	ug/L	09/24/10	20:30	
61408-9	Cu	6.52925	6.69341	6.36509	3.55569	ug/L	09/24/10	20:30	
61408-9	Fe	19.14265	12.03483	26.25047	52.51088	ug/L	09/24/10	20:30	
61408-9	2Fe	0.01914	0.01203	0.02624	52.51063	mg/L	09/24/10	20:30	
61408-9	K	49.73495	60.53812	38.93179	30.71880	ug/L	09/24/10	20:30	
61408-9	Mg	18.96066	13.99828	23.92303	37.01271	ug/L	09/24/10	20:30	
61408-9	2Mg	0.01896	0.01400	0.02392	36.98839	mg/L	09/24/10	20:30	
61408-9	Mn	24.14262	24.13437	24.15088	0.04837	ug/L	09/24/10	20:30	
61408-9	Mo	-0.50683	-0.34933	-0.66433	43.94731	ug/L	09/24/10	20:30	
61408-9	Na	11801.48437	12036.69433	11566.27441	2.81860	ug/L	09/24/10	20:30	
61408-9	Ni	0.82516	0.41697	1.23336	69.95838	ug/L	09/24/10	20:30	
61408-9	Pb	2.08904	1.73541	2.44267	23.93949	ug/L	09/24/10	20:30	
61408-9	Se	4.16847	4.63659	3.70036	15.88138	ug/L	09/24/10	20:30	
61408-9	Sb	2.28617	2.36067	2.21167	4.60852	ug/L	09/24/10	20:30	
61408-9	Sn	14.80768	14.60773	15.00763	1.90965	ug/L	09/24/10	20:30	
61408-9	Sr	0.37866	0.32310	0.43422	20.75017	ug/L	09/24/10	20:30	
61408-9	Ti	-0.00900	-0.11480	0.09679	1661.41784	ug/L	09/24/10	20:30	
61408-9	Tl	-0.13022	-2.16242	1.90197	2206.90209	ug/L	09/24/10	20:30	
61408-9	V	1.04869	1.36783	0.72955	43.03716	ug/L	09/24/10	20:30	
61408-9	Zn	1037.88525	1038.98693	1036.78344	0.15012	ug/L	09/24/10	20:30	
61408-9	2203/1	9.41537	11.05002	7.78072	24.55282	ug/L	09/24/10	20:30	
61408-9	2203/2	-1.56863	-2.91490	-0.22235	121.37471	ug/L	09/24/10	20:30	
61408-9	1960/1	5.18346	5.74639	4.62052	15.35863	ug/L	09/24/10	20:30	
61408-9	1960/2	3.66175	4.08252	3.24097	16.25082	ug/L	09/24/10	20:30	
61408-9	Y	1019.27001	1016.40002	1022.14001	0.39820		09/24/10	20:30	
61241-19	Ag	5.23128	4.63661	5.82594	16.07607	ug/L	09/24/10	20:35	
61241-19	Al	9794.74609	9791.47753	9798.01464	0.04719	ug/L	09/24/10	20:35	
61241-19	2Al	9.79454	9.79081	9.79827	0.05388	mg/L	09/24/10	20:35	
61241-19	As	2.38876	2.85645	1.92107	27.68858	ug/L	09/24/10	20:35	
61241-19	B	74.24307	74.24148	74.24466	0.00303	ug/L	09/24/10	20:35	
61241-19	Ba	125.72465	125.85074	125.59857	0.14182	ug/L	09/24/10	20:35	
61241-19	Be	0.21431	0.19162	0.23700	14.97052	ug/L	09/24/10	20:35	
61241-19	Ca	30348.24218	30323.32812	30373.15429	0.11609	ug/L	09/24/10	20:35	
61241-19	Cd	81.02821	80.75942	81.29701	0.46913	ug/L	09/24/10	20:35	
61241-19	Co	137.00323	136.74191	137.26457	0.26975	ug/L	09/24/10	20:35	
61241-19	Cr	120.09062	119.87679	120.30444	0.25180	ug/L	09/24/10	20:35	
61241-19	Cu	67.13124	66.59768	67.66479	1.12400	ug/L	09/24/10	20:35	
61241-19	Fe	5697.46386	5700.21826	5694.70996	0.06836	ug/L	09/24/10	20:35	
61241-19	2Fe	5.69678	5.69954	5.69403	0.06835	mg/L	09/24/10	20:35	
61241-19	K	1278.00805	1283.80517	1272.21093	0.64149	ug/L	09/24/10	20:35	
61241-19	Mg	42304.61328	42266.96875	42342.25781	0.12584	ug/L	09/24/10	20:35	
61241-19	2Mg	42.29058	42.25168	42.32947	0.13007	mg/L	09/24/10	20:35	
61241-19	Mn	378.24380	378.18161	378.30599	0.02325	ug/L	09/24/10	20:35	
61241-19	Mo	4.02251	3.22619	4.81882	27.99648	ug/L	09/24/10	20:35	
61241-19	Na	11688.72460	11654.41992	11723.02832	0.41504	ug/L	09/24/10	20:35	
61241-19	Ni	17.67916	16.54376	18.81455	9.08239	ug/L	09/24/10	20:35	
61241-19	Pb	80290.30468	80111.54687	80469.06250	0.31485	ug/L	09/24/10	20:35	
61241-19	Se	4.92415	2.41936	7.42894	71.93746	ug/L	09/24/10	20:35	
61241-19	Sb	69.15797	70.85476	67.46117	3.46978	ug/L	09/24/10	20:35	
61241-19	Sn	29.62664	32.40843	26.84484	13.27875	ug/L	09/24/10	20:35	
61241-19	Sr	105.26244	105.09689	105.42799	0.22241	ug/L	09/24/10	20:35	
61241-19	Ti	1518.85937	1517.45166	1520.26721	0.13107	ug/L	09/24/10	20:35	
61241-19	Tl	-4.14516	-5.71012	-2.58020	53.39199	ug/L	09/24/10	20:35	
61241-19	V	51.39870	51.54780	51.24959	0.41025	ug/L	09/24/10	20:35	
61241-19	Zn	197686.31250	197262.17187	198110.46875	0.30342	ug/L	09/24/10	20:35	
61241-19	2203/1	80071.57812	80156.35156	79986.81250	0.14971	ug/L	09/24/10	20:35	
61241-19	2203/2	80399.50000	80089.17968	80709.82031	0.54584	ug/L	09/24/10	20:35	
61241-19	1960/1	7.72732	-0.51949	15.97413	150.92880	ug/L	09/24/10	20:35	
61241-19	1960/2	3.52467	3.88658	3.16276	14.52094	ug/L	09/24/10	20:35	
61241-19	Y	1005.65148	1011.73803	999.56500	0.85592		09/24/10	20:35	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61241-19 1/10	Ag	-0.69902	-0.28010	-1.11794	84.75205	ug/L	09/24/10	20:40	
61241-19 1/10	Al	959.32153	962.76818	955.87493	0.50809	ug/L	09/24/10	20:40	
61241-19 1/10	2Al	0.95936	0.96281	0.95591	0.50809	mg/L	09/24/10	20:40	
61241-19 1/10	As	-1.51752	-4.09008	1.05503	239.74298	ug/L	09/24/10	20:40	
61241-19 1/10	B	8.60193	7.97636	9.22750	10.28475	ug/L	09/24/10	20:40	
61241-19 1/10	Ba	12.02593	12.21978	11.83209	2.27954	ug/L	09/24/10	20:40	
61241-19 1/10	Be	0.01086	0.01465	0.00706	49.39395	ug/L	09/24/10	20:40	
61241-19 1/10	Ca	2924.74291	2937.36376	2912.12207	0.61026	ug/L	09/24/10	20:40	
61241-19 1/10	Cd	8.05753	8.20709	7.90796	2.62505	ug/L	09/24/10	20:40	
61241-19 1/10	Co	13.64931	13.77019	13.52842	1.25254	ug/L	09/24/10	20:40	
61241-19 1/10	Cr	11.60360	11.34756	11.85964	3.12053	ug/L	09/24/10	20:40	
61241-19 1/10	Cu	7.42485	7.37753	7.47216	0.90123	ug/L	09/24/10	20:40	
61241-19 1/10	Fe	549.90869	564.77496	535.04248	3.82318	ug/L	09/24/10	20:40	
61241-19 1/10	2Fe	0.54984	0.56470	0.53497	3.82318	mg/L	09/24/10	20:40	
61241-19 1/10	K	119.60491	133.74365	105.46619	16.71769	ug/L	09/24/10	20:40	
61241-19 1/10	Mg	4083.07788	4098.46533	4067.69042	0.53295	ug/L	09/24/10	20:40	
61241-19 1/10	2Mg	4.08184	4.09722	4.06646	0.53288	mg/L	09/24/10	20:40	
61241-19 1/10	Mn	36.99584	37.18140	36.81029	0.70931	ug/L	09/24/10	20:40	
61241-19 1/10	Mo	-1.00448	-1.10162	-0.90735	13.67531	ug/L	09/24/10	20:40	
61241-19 1/10	Na	657.36059	550.20550	764.51574	23.05282	ug/L	09/24/10	20:40	
61241-19 1/10	Ni	1.53626	1.88998	1.18255	32.56138	ug/L	09/24/10	20:40	
61241-19 1/10	Pb	7845.88867	7916.36328	7775.41357	1.27030	ug/L	09/24/10	20:40	
61241-19 1/10	Se	3.75624	2.05033	5.46215	64.22686	ug/L	09/24/10	20:40	
61241-19 1/10	Sb	7.31659	10.63219	4.00099	64.08666	ug/L	09/24/10	20:40	
61241-19 1/10	Sn	3.27013	4.54135	1.99891	54.97574	ug/L	09/24/10	20:40	
61241-19 1/10	Sr	10.13206	10.18800	10.07612	0.78078	ug/L	09/24/10	20:40	
61241-19 1/10	Ti	146.60517	147.20324	146.00711	0.57692	ug/L	09/24/10	20:40	
61241-19 1/10	Tl	-5.04313	-3.26324	-6.82302	49.91229	ug/L	09/24/10	20:40	
61241-19 1/10	V	5.00901	5.67732	4.34070	18.86860	ug/L	09/24/10	20:40	
61241-19 1/10	Zn	25283.52343	25374.84765	25192.20117	0.51080	ug/L	09/24/10	20:40	
61241-19 1/10	2203/1	7825.22412	7863.35009	7787.09814	0.68903	ug/L	09/24/10	20:40	
61241-19 1/10	2203/2	7856.20507	7942.83007	7769.58007	1.55935	ug/L	09/24/10	20:40	
61241-19 1/10	1960/1	1.95401	5.20969	-1.30167	235.62965	ug/L	09/24/10	20:40	
61241-19 1/10	1960/2	4.65601	0.47303	8.83900	127.05352	ug/L	09/24/10	20:40	
61241-19 1/10	Y	1031.67749	1027.78906	1035.56604	0.53303		09/24/10	20:40	
61417-1	Ag	-0.31762	-0.74150	0.10624	188.72758	ug/L	09/24/10	20:45	
61417-1	Al	15621.13476	15657.44042	15584.82812	0.32868	ug/L	09/24/10	20:45	
61417-1	2Al	15.62120	15.65722	15.58517	0.32614	mg/L	09/24/10	20:45	
61417-1	As	6.02085	7.20916	4.83254	27.91174	ug/L	09/24/10	20:45	
61417-1	B	17.64318	18.04656	17.23979	3.23338	ug/L	09/24/10	20:45	
61417-1	Ba	296.12213	296.54623	295.69802	0.20254	ug/L	09/24/10	20:45	
61417-1	Be	0.71853	0.70341	0.73366	2.97676	ug/L	09/24/10	20:45	
61417-1	Ca	33501.50000	33496.42578	33506.57812	0.02142	ug/L	09/24/10	20:45	
61417-1	Cd	3.27738	3.29439	3.26038	0.73381	ug/L	09/24/10	20:45	
61417-1	Co	6.18997	5.83860	6.54134	8.02770	ug/L	09/24/10	20:45	
61417-1	Cr	130.03384	130.46517	129.60249	0.46911	ug/L	09/24/10	20:45	
61417-1	Cu	238.91030	239.23669	238.58392	0.19320	ug/L	09/24/10	20:45	
61417-1	Fe	25952.53906	25956.04687	25949.03320	0.01910	ug/L	09/24/10	20:45	
61417-1	2Fe	25.94877	25.95179	25.94574	0.01648	mg/L	09/24/10	20:45	
61417-1	K	1822.89306	1828.24694	1817.53906	0.41536	ug/L	09/24/10	20:45	
61417-1	Mg	5836.37695	5837.08398	5835.66943	0.01713	ug/L	09/24/10	20:45	
61417-1	2Mg	5.83031	5.83101	5.82960	0.01714	mg/L	09/24/10	20:45	
61417-1	Mn	319.29504	319.55661	319.03344	0.11585	ug/L	09/24/10	20:45	
61417-1	Mo	1.56139	1.25098	1.87180	28.11528	ug/L	09/24/10	20:45	
61417-1	Na	855.78466	856.33148	855.23791	0.09035	ug/L	09/24/10	20:45	
61417-1	Ni	65.26249	65.47326	65.05172	0.45672	ug/L	09/24/10	20:45	
61417-1	Pb	329.95001	329.98956	329.91049	0.01694	ug/L	09/24/10	20:45	
61417-1	Se	2.96995	0.85830	5.08159	100.55119	ug/L	09/24/10	20:45	
61417-1	Sb	6.07271	4.57688	7.56854	34.83480	ug/L	09/24/10	20:45	
61417-1	Sn	55.65583	55.23442	56.07725	1.07081	ug/L	09/24/10	20:45	
61417-1	Sr	93.28609	93.61509	92.95709	0.49876	ug/L	09/24/10	20:45	
61417-1	Ti	1525.35058	1525.88708	1524.81408	0.04974	ug/L	09/24/10	20:45	
61417-1	Tl	2.52899	0.58302	4.47497	108.81861	ug/L	09/24/10	20:45	
61417-1	V	37.98512	38.40007	37.57016	1.54490	ug/L	09/24/10	20:45	
61417-1	Zn	549.13525	548.53259	549.73785	0.15519	ug/L	09/24/10	20:45	
61417-1	2203/1	332.78076	329.96136	335.60018	1.19816	ug/L	09/24/10	20:45	
61417-1	2203/2	328.53674	330.00363	327.06988	0.63142	ug/L	09/24/10	20:45	
61417-1	1960/1	1.92421	-1.73183	5.58026	268.70355	ug/L	09/24/10	20:45	
61417-1	1960/2	3.49203	2.15143	4.83263	54.29215	ug/L	09/24/10	20:45	
61417-1	Y	1013.39001	1008.44805	1018.33203	0.68966		09/24/10	20:45	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	500.65313	501.54742	499.75881	0.25261	ug/L	09/24/10	20:51	
CCV	Al	4985.32324	4990.92333	4979.72265	0.15886	ug/L	09/24/10	20:51	
CCV	2Al	4.98504	4.99055	4.97953	0.15626	mg/L	09/24/10	20:51	
CCV	As	520.16540	524.07513	516.25561	1.06297	ug/L	09/24/10	20:51	
CCV	B	5127.21679	5139.58789	5114.84619	0.34121	ug/L	09/24/10	20:51	
CCV	Ba	4966.48681	4972.16601	4960.80761	0.16171	ug/L	09/24/10	20:51	
CCV	Be	510.96691	513.13598	508.79782	0.60034	ug/L	09/24/10	20:51	
CCV	Ca	5095.21289	5112.04101	5078.38525	0.46707	ug/L	09/24/10	20:51	
CCV	Cd	515.45007	519.11993	511.78027	1.00687	ug/L	09/24/10	20:51	
CCV	Co	510.64437	513.68560	507.60314	0.84225	ug/L	09/24/10	20:51	
CCV	Cr	5079.32812	5100.20361	5058.45263	0.58122	ug/L	09/24/10	20:51	
CCV	Cu	5019.56933	5029.96728	5009.17138	0.29295	ug/L	09/24/10	20:51	
CCV	Fe	5079.52587	5097.48828	5061.56347	0.50009	ug/L	09/24/10	20:51	
CCV	2Fe	5.07952	5.09748	5.06156	0.50010	mg/L	09/24/10	20:51	
CCV	K	9607.08300	9607.49316	9606.67285	0.00603	ug/L	09/24/10	20:51	
CCV	Mg	5152.59082	5181.11230	5124.06884	0.78282	ug/L	09/24/10	20:51	
CCV	2Mg	5.15257	5.18109	5.12405	0.78274	mg/L	09/24/10	20:51	
CCV	Mn	5085.76757	5103.85693	5067.67871	0.50300	ug/L	09/24/10	20:51	
CCV	Mo	503.10244	504.40933	501.79556	0.36736	ug/L	09/24/10	20:51	
CCV	Na	6961.36718	6842.31542	7080.41894	2.41855	ug/L	09/24/10	20:51	
CCV	Ni	2556.74047	2569.66235	2543.81860	0.71474	ug/L	09/24/10	20:51	
CCV	Pb	518.84722	521.58789	516.10656	0.74701	ug/L	09/24/10	20:51	
CCV	Se	5209.69824	5236.27929	5183.11718	0.72156	ug/L	09/24/10	20:51	
CCV	Sb	507.62896	508.00213	507.25576	0.10396	ug/L	09/24/10	20:51	
CCV	Sn	5127.57812	5155.27343	5099.88330	0.76384	ug/L	09/24/10	20:51	
CCV	Sr	2505.49218	2507.48730	2503.49731	0.11260	ug/L	09/24/10	20:51	
CCV	Ti	501.87396	503.01800	500.72988	0.32238	ug/L	09/24/10	20:51	
CCV	Tl	5143.86474	5165.90136	5121.82812	0.60585	ug/L	09/24/10	20:51	
CCV	V	5043.34814	5060.09521	5026.60107	0.46960	ug/L	09/24/10	20:51	
CCV	Zn	2554.04516	2566.32153	2541.76879	0.67976	ug/L	09/24/10	20:51	
CCV	2203/1	516.74841	520.67535	512.82141	1.07471	ug/L	09/24/10	20:51	
CCV	2203/2	519.89062	522.03900	517.74218	0.58441	ug/L	09/24/10	20:51	
CCV	1960/1	5219.52148	5255.04150	5184.00097	0.96241	ug/L	09/24/10	20:51	
CCV	1960/2	5204.79443	5226.91259	5182.67626	0.60098	ug/L	09/24/10	20:51	
CCV	Y	1019.23156	1018.31805	1020.14501	0.12674		09/24/10	20:51	
CCB	Ag	0.48430	1.54173	-0.57311	308.77310	ug/L	09/24/10	20:56	
CCB	Al	14.00664	15.88546	12.12782	18.96990	ug/L	09/24/10	20:56	
CCB	2Al	0.01400	0.01588	0.01212	18.96999	mg/L	09/24/10	20:56	
CCB	As	-2.71364	-1.12891	-4.29836	82.58780	ug/L	09/24/10	20:56	
CCB	B	11.83073	13.00114	10.66032	13.99075	ug/L	09/24/10	20:56	
CCB	Ba	1.62338	0.43384	2.81293	103.62672	ug/L	09/24/10	20:56	
CCB	Be	0.14393	0.02943	0.25844	112.50559	ug/L	09/24/10	20:56	
CCB	Ca	4.87136	2.51208	7.23064	68.49270	ug/L	09/24/10	20:56	
CCB	Cd	0.33602	0.31938	0.35266	7.00273	ug/L	09/24/10	20:56	
CCB	Co	0.53078	0.45108	0.61049	21.23589	ug/L	09/24/10	20:56	
CCB	Cr	1.65373	0.43861	2.86885	103.91281	ug/L	09/24/10	20:56	
CCB	Cu	1.71836	0.68329	2.75344	85.18675	ug/L	09/24/10	20:56	
CCB	Fe	10.47287	20.48487	0.46086	135.19798	ug/L	09/24/10	20:56	
CCB	2Fe	0.01047	0.02048	0.00046	135.19096	mg/L	09/24/10	20:56	
CCB	K	32.02105	41.23875	22.80335	40.71007	ug/L	09/24/10	20:56	
CCB	Mg	5.01488	3.75870	6.27107	35.42480	ug/L	09/24/10	20:56	
CCB	2Mg	0.00501	0.00375	0.00627	35.50028	mg/L	09/24/10	20:56	
CCB	Mn	1.62668	0.22943	3.02393	121.47465	ug/L	09/24/10	20:56	
CCB	Mo	0.60029	0.66398	0.53661	15.00250	ug/L	09/24/10	20:56	
CCB	Na	-159.63198	-180.63630	-138.62765	18.60817	ug/L	09/24/10	20:56	
CCB	Ni	0.70323	0.51815	0.88832	37.22029	ug/L	09/24/10	20:56	
CCB	Pb	-0.36231	-1.30503	0.58040	367.96786	ug/L	09/24/10	20:56	
CCB	Se	7.34622	9.83264	4.85980	47.86574	ug/L	09/24/10	20:56	
CCB	Sb	6.40374	11.51450	1.29298	112.86682	ug/L	09/24/10	20:56	
CCB	Sn	6.19231	6.90206	5.48257	16.20922	ug/L	09/24/10	20:56	
CCB	Sr	0.82681	0.14287	1.51075	116.98399	ug/L	09/24/10	20:56	
CCB	Ti	0.52307	0.24790	0.79823	74.39611	ug/L	09/24/10	20:56	
CCB	Tl	7.51338	11.86682	3.15995	81.94288	ug/L	09/24/10	20:56	
CCB	V	2.20501	0.86478	3.54524	85.95733	ug/L	09/24/10	20:56	
CCB	Zn	1.81750	0.65647	2.97853	90.34043	ug/L	09/24/10	20:56	
CCB	2203/1	7.30506	12.56577	2.04434	101.84406	ug/L	09/24/10	20:56	
CCB	2203/2	-4.19025	-8.23004	-0.15047	136.34294	ug/L	09/24/10	20:56	
CCB	1960/1	12.19625	18.50910	5.88339	73.20056	ug/L	09/24/10	20:56	
CCB	1960/2	4.92484	5.50091	4.34877	16.54225	ug/L	09/24/10	20:56	
CCB	Y	1021.72705	1021.13201	1022.32202	0.08235		09/24/10	20:56	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61417-1L	Ag	-0.15636	0.17892	-0.49164	303.25250	ug/L	09/24/10	21:01	
61417-1L	Al	3059.67822	3106.10034	3013.25610	2.14567	ug/L	09/24/10	21:01	
61417-1L	2Al	3.05972	3.10624	3.01321	2.14993	mg/L	09/24/10	21:01	
61417-1L	As	-0.57719	-0.62208	-0.53229	11.00027	ug/L	09/24/10	21:01	
61417-1L	B	5.31529	4.01220	6.61839	34.67064	ug/L	09/24/10	21:01	
61417-1L	Ba	57.28788	58.04504	56.53072	1.86912	ug/L	09/24/10	21:01	
61417-1L	Be	0.11192	0.10845	0.11538	4.37979	ug/L	09/24/10	21:01	
61417-1L	Ca	6468.95996	6569.51708	6368.40283	2.19833	ug/L	09/24/10	21:01	
61417-1L	Cd	0.71339	0.59377	0.83302	23.71380	ug/L	09/24/10	21:01	
61417-1L	Co	0.82272	1.35358	0.29186	91.25141	ug/L	09/24/10	21:01	
61417-1L	Cr	25.02717	24.96462	25.08972	0.35344	ug/L	09/24/10	21:01	
61417-1L	Cu	46.15939	46.44664	45.87215	0.88005	ug/L	09/24/10	21:01	
61417-1L	Fe	5022.21093	5087.28662	4957.13525	1.83247	ug/L	09/24/10	21:01	
61417-1L	2Fe	5.02157	5.08664	4.95650	1.83248	mg/L	09/24/10	21:01	
61417-1L	K	334.36160	322.91226	345.81094	4.84260	ug/L	09/24/10	21:01	
61417-1L	Mg	1130.87109	1146.67639	1115.06579	1.97653	ug/L	09/24/10	21:01	
61417-1L	2Mg	1.12969	1.14548	1.11390	1.97665	mg/L	09/24/10	21:01	
61417-1L	Mn	62.14467	63.09571	61.19362	2.16427	ug/L	09/24/10	21:01	
61417-1L	Mo	-0.81588	-0.65990	-0.97185	27.03585	ug/L	09/24/10	21:01	
61417-1L	Na	192.32592	112.28398	272.36785	58.85654	ug/L	09/24/10	21:01	
61417-1L	Ni	11.56545	11.50613	11.62477	0.72534	ug/L	09/24/10	21:01	
61417-1L	Pb	63.94698	65.50283	62.39112	3.44083	ug/L	09/24/10	21:01	
61417-1L	Se	2.25243	0.22726	4.27760	127.15210	ug/L	09/24/10	21:01	
61417-1L	Sb	1.15833	3.85147	-1.53481	328.80804	ug/L	09/24/10	21:01	
61417-1L	Sn	8.19769	6.78871	9.60667	24.30681	ug/L	09/24/10	21:01	
61417-1L	Sr	18.02421	18.29262	17.75579	2.10603	ug/L	09/24/10	21:01	
61417-1L	Ti	295.20623	299.46487	290.94760	2.04014	ug/L	09/24/10	21:01	
61417-1L	Tl	-3.74059	-1.48963	-5.99154	85.10234	ug/L	09/24/10	21:01	
61417-1L	V	6.54574	6.16722	6.92426	8.17789	ug/L	09/24/10	21:01	
61417-1L	Zn	108.60225	110.16640	107.03810	2.03682	ug/L	09/24/10	21:01	
61417-1L	2203/1	68.46049	71.43503	65.48595	6.14461	ug/L	09/24/10	21:01	
61417-1L	2203/2	61.69361	62.54119	60.84603	1.94291	ug/L	09/24/10	21:01	
61417-1L	1960/1	2.45639	1.73132	3.18146	41.74445	ug/L	09/24/10	21:01	
61417-1L	1960/2	2.15061	-0.52363	4.82485	175.85461	ug/L	09/24/10	21:01	
61417-1L	Y	1032.02404	1031.16308	1032.88500	0.11798		09/24/10	21:01	
61417-1A	Ag	41.74440	41.42317	42.06563	1.08826	ug/L	09/24/10	21:06	
61417-1A	Al	17276.90625	17279.84960	17273.96289	0.02409	ug/L	09/24/10	21:06	
61417-1A	2Al	17.27630	17.27914	17.27345	0.02329	mg/L	09/24/10	21:06	
61417-1A	As	2064.90332	2070.07934	2059.72729	0.35449	ug/L	09/24/10	21:06	
61417-1A	B	1048.74890	1051.75927	1045.73852	0.40594	ug/L	09/24/10	21:06	
61417-1A	Ba	2307.95214	2306.08276	2309.82153	0.11454	ug/L	09/24/10	21:06	
61417-1A	Be	51.91381	52.01515	51.81246	0.27609	ug/L	09/24/10	21:06	
61417-1A	Ca	37885.93750	37941.19921	37830.67187	0.20628	ug/L	09/24/10	21:06	
61417-1A	Cd	54.79369	54.92386	54.66352	0.33595	ug/L	09/24/10	21:06	
61417-1A	Co	521.84973	522.39062	521.30883	0.14658	ug/L	09/24/10	21:06	
61417-1A	Cr	331.61843	331.72164	331.51522	0.04401	ug/L	09/24/10	21:06	
61417-1A	Cu	488.23767	488.72348	487.75189	0.14071	ug/L	09/24/10	21:06	
61417-1A	Fe	26309.88085	26337.95507	26281.80664	0.15090	ug/L	09/24/10	21:06	
61417-1A	2Fe	26.30483	26.33290	26.27677	0.15088	mg/L	09/24/10	21:06	
61417-1A	K	6776.73144	6718.47021	6834.99267	1.21583	ug/L	09/24/10	21:06	
61417-1A	Mg	10972.00781	11004.08984	10939.92578	0.41351	ug/L	09/24/10	21:06	
61417-1A	2Mg	10.96466	10.99673	10.93259	0.41362	mg/L	09/24/10	21:06	
61417-1A	Mn	823.81030	825.31298	822.30767	0.25795	ug/L	09/24/10	21:06	
61417-1A	Mo	499.24096	497.34469	501.13723	0.53716	ug/L	09/24/10	21:06	
61417-1A	Na	5563.06835	5451.28515	5674.85205	2.84169	ug/L	09/24/10	21:06	
61417-1A	Ni	575.60791	576.43688	574.77886	0.20367	ug/L	09/24/10	21:06	
61417-1A	Pb	827.86987	830.38323	825.35650	0.42934	ug/L	09/24/10	21:06	
61417-1A	Se	2075.10742	2083.68066	2066.53442	0.58426	ug/L	09/24/10	21:06	
61417-1A	Sb	490.50134	485.65396	495.34872	1.39759	ug/L	09/24/10	21:06	
61417-1A	Sn	1088.57226	1093.30102	1083.84362	0.61432	ug/L	09/24/10	21:06	
61417-1A	Sr	609.59936	608.05700	611.14166	0.35780	ug/L	09/24/10	21:06	
61417-1A	Ti	2492.89916	2492.94238	2492.85595	0.00245	ug/L	09/24/10	21:06	
61417-1A	Tl	2096.86816	2103.13623	2090.59985	0.42275	ug/L	09/24/10	21:06	
61417-1A	V	537.45001	537.65850	537.24151	0.05486	ug/L	09/24/10	21:06	
61417-1A	Zn	1049.60986	1053.23388	1045.98596	0.48828	ug/L	09/24/10	21:06	
61417-1A	2203/1	838.34344	840.38671	836.30017	0.34468	ug/L	09/24/10	21:06	
61417-1A	2203/2	822.64093	825.38897	819.89288	0.47242	ug/L	09/24/10	21:06	
61417-1A	1960/1	2079.98925	2087.14257	2072.83618	0.48635	ug/L	09/24/10	21:06	
61417-1A	1960/2	2072.66992	2081.95166	2063.38793	0.63331	ug/L	09/24/10	21:06	
61417-1A	Y	1010.34155	1006.80303	1013.88000	0.49529		09/24/10	21:06	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61417-1S	Ag	38.72437	38.41276	39.03599	1.13801	ug/L	09/24/10	21:11	
61417-1S	Al	24097.56250	24093.07812	24102.04687	0.02631	ug/L	09/24/10	21:11	
61417-1S	2Al	24.09717	24.09212	24.10222	0.02962	mg/L	09/24/10	21:11	
61417-1S	As	2084.20825	2092.32617	2076.09033	0.55083	ug/L	09/24/10	21:11	
61417-1S	B	1073.76928	1077.27478	1070.26391	0.46168	ug/L	09/24/10	21:11	
61417-1S	Ba	2456.49365	2453.33935	2459.64819	0.18160	ug/L	09/24/10	21:11	
61417-1S	Be	53.40003	53.54992	53.25013	0.39697	ug/L	09/24/10	21:11	
61417-1S	Ca	72623.50781	72725.38281	72521.63281	0.19838	ug/L	09/24/10	21:11	
61417-1S	Cd	54.84457	54.62823	55.06090	0.55783	ug/L	09/24/10	21:11	
61417-1S	Co	534.26043	535.58068	532.94018	0.34947	ug/L	09/24/10	21:11	
61417-1S	Cr	305.05416	305.83770	304.27062	0.36324	ug/L	09/24/10	21:11	
61417-1S	Cu	590.79528	592.27282	589.31774	0.35368	ug/L	09/24/10	21:11	
61417-1S	Fe	28890.37304	28967.66796	28813.07812	0.37836	ug/L	09/24/10	21:11	
61417-1S	2Fe	28.88548	28.96228	28.80868	0.37599	mg/L	09/24/10	21:11	
61417-1S	K	8212.44628	8133.70605	8291.18652	1.35593	ug/L	09/24/10	21:11	
61417-1S	Mg	13047.20800	13106.07519	12988.34082	0.63807	ug/L	09/24/10	21:11	
61417-1S	2Mg	13.03887	13.09771	12.98003	0.63816	mg/L	09/24/10	21:11	
61417-1S	Mn	937.03100	939.32281	934.73919	0.34589	ug/L	09/24/10	21:11	
61417-1S	Mo	510.10427	511.32562	508.88293	0.33860	ug/L	09/24/10	21:11	
61417-1S	Na	5657.95410	5904.60888	5411.29882	6.16517	ug/L	09/24/10	21:11	
61417-1S	Ni	601.85070	602.59515	601.10632	0.17492	ug/L	09/24/10	21:11	
61417-1S	Pb	881.40368	886.93664	875.87066	0.88776	ug/L	09/24/10	21:11	
61417-1S	Se	2093.77294	2100.08325	2087.46240	0.42623	ug/L	09/24/10	21:11	
61417-1S	Sb	492.46044	490.97296	493.94790	0.42716	ug/L	09/24/10	21:11	
61417-1S	Sn	1122.24609	1127.27404	1117.21826	0.63359	ug/L	09/24/10	21:11	
61417-1S	Sr	643.91259	643.57031	644.25488	0.07517	ug/L	09/24/10	21:11	
61417-1S	Ti	2380.12646	2382.88549	2377.36743	0.16393	ug/L	09/24/10	21:11	
61417-1S	Tl	2136.81787	2139.02709	2134.60864	0.14621	ug/L	09/24/10	21:11	
61417-1S	V	557.09869	558.06341	556.13397	0.24489	ug/L	09/24/10	21:11	
61417-1S	Zn	1040.72412	1044.16186	1037.28625	0.46715	ug/L	09/24/10	21:11	
61417-1S	2203/1	893.62219	898.39819	888.84625	0.75582	ug/L	09/24/10	21:11	
61417-1S	2203/2	875.30352	881.21447	869.39257	0.95502	ug/L	09/24/10	21:11	
61417-1S	1960/1	2097.42041	2103.68066	2091.16015	0.42210	ug/L	09/24/10	21:11	
61417-1S	1960/2	2091.95166	2098.28710	2085.61645	0.42828	ug/L	09/24/10	21:11	
61417-1S	Y	1007.78302	1004.80102	1010.76501	0.41846		09/24/10	21:11	
61417-1SD	Ag	39.41446	39.49305	39.33586	0.28200	ug/L	09/24/10	21:17	
61417-1SD	Al	24156.74804	24149.36523	24164.13085	0.04322	ug/L	09/24/10	21:17	
61417-1SD	2Al	24.15609	24.14806	24.16412	0.04700	mg/L	09/24/10	21:17	
61417-1SD	As	2147.70654	2150.86865	2144.54418	0.20822	ug/L	09/24/10	21:17	
61417-1SD	B	1104.56250	1104.61145	1104.51367	0.00625	ug/L	09/24/10	21:17	
61417-1SD	Ba	2462.19726	2464.65112	2459.74340	0.14094	ug/L	09/24/10	21:17	
61417-1SD	Be	55.21660	55.26152	55.17167	0.11506	ug/L	09/24/10	21:17	
61417-1SD	Ca	54702.61718	54714.38671	54690.84765	0.03042	ug/L	09/24/10	21:17	
61417-1SD	Cd	56.01693	55.61485	56.41901	1.01509	ug/L	09/24/10	21:17	
61417-1SD	Co	551.21575	551.58001	550.85150	0.09345	ug/L	09/24/10	21:17	
61417-1SD	Cr	358.92443	359.44766	358.40118	0.20616	ug/L	09/24/10	21:17	
61417-1SD	Cu	499.74212	500.26821	499.21603	0.14887	ug/L	09/24/10	21:17	
61417-1SD	Fe	25622.78515	25622.15429	25623.41796	0.00348	ug/L	09/24/10	21:17	
61417-1SD	2Fe	25.61833	25.61721	25.61944	0.00614	mg/L	09/24/10	21:17	
61417-1SD	K	7820.86914	7874.99707	7766.74072	0.97877	ug/L	09/24/10	21:17	
61417-1SD	Mg	12575.28027	12581.16894	12569.39160	0.06622	ug/L	09/24/10	21:17	
61417-1SD	2Mg	12.56761	12.57350	12.56172	0.06625	mg/L	09/24/10	21:17	
61417-1SD	Mn	852.52600	852.50164	852.55035	0.00403	ug/L	09/24/10	21:17	
61417-1SD	Mo	524.16284	523.68823	524.63745	0.12805	ug/L	09/24/10	21:17	
61417-1SD	Na	5343.15722	5470.95556	5215.35888	3.38253	ug/L	09/24/10	21:17	
61417-1SD	Ni	611.90356	612.46588	611.34130	0.12995	ug/L	09/24/10	21:17	
61417-1SD	Pb	896.39410	895.83172	896.95648	0.08872	ug/L	09/24/10	21:17	
61417-1SD	Se	2164.81640	2167.22167	2162.41137	0.15712	ug/L	09/24/10	21:17	
61417-1SD	Sb	512.25726	509.42886	515.08563	0.78084	ug/L	09/24/10	21:17	
61417-1SD	Sn	1127.64404	1129.31262	1125.97558	0.20925	ug/L	09/24/10	21:17	
61417-1SD	Sr	713.37951	713.78625	712.97283	0.08062	ug/L	09/24/10	21:17	
61417-1SD	Ti	2514.62988	2515.67114	2513.58837	0.05856	ug/L	09/24/10	21:17	
61417-1SD	Tl	2205.64062	2202.53759	2208.74340	0.19895	ug/L	09/24/10	21:17	
61417-1SD	V	572.22277	572.84686	571.59863	0.15424	ug/L	09/24/10	21:17	
61417-1SD	Zn	1071.73120	1071.39099	1072.07128	0.04488	ug/L	09/24/10	21:17	
61417-1SD	2203/1	902.00726	904.83520	899.17932	0.44337	ug/L	09/24/10	21:17	
61417-1SD	2203/2	893.59167	891.33673	895.84667	0.35687	ug/L	09/24/10	21:17	
61417-1SD	1960/1	2164.41235	2162.37036	2166.45434	0.13342	ug/L	09/24/10	21:17	
61417-1SD	1960/2	2165.01757	2169.64306	2160.39233	0.30213	ug/L	09/24/10	21:17	
61417-1SD	Y	1015.75256	1015.37805	1016.12701	0.05213		09/24/10	21:17	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	500.24316	502.28787	498.19842	0.57805	ug/L	09/24/10	21:22	
CCV	Al	4995.65625	4990.54492	5000.76708	0.14468	ug/L	09/24/10	21:22	
CCV	2Al	4.99565	4.99035	5.00095	0.14991	mg/L	09/24/10	21:22	
CCV	As	518.40020	519.43646	517.36395	0.28269	ug/L	09/24/10	21:22	
CCV	B	5115.46289	5128.10107	5102.82519	0.34938	ug/L	09/24/10	21:22	
CCV	Ba	4979.07666	4987.31250	4970.84082	0.23392	ug/L	09/24/10	21:22	
CCV	Be	510.58422	512.91589	508.25256	0.64582	ug/L	09/24/10	21:22	
CCV	Ca	5133.64404	5142.40136	5124.88671	0.24124	ug/L	09/24/10	21:22	
CCV	Cd	515.58538	518.15588	513.01489	0.70506	ug/L	09/24/10	21:22	
CCV	Co	510.17852	512.80737	507.54968	0.72871	ug/L	09/24/10	21:22	
CCV	Cr	5081.89990	5098.03906	5065.76074	0.44912	ug/L	09/24/10	21:22	
CCV	Cu	5010.55078	5024.96923	4996.13183	0.40696	ug/L	09/24/10	21:22	
CCV	Fe	5093.25390	5130.99365	5055.51416	1.04789	ug/L	09/24/10	21:22	
CCV	2Fe	5.09325	5.13098	5.05551	1.04782	mg/L	09/24/10	21:22	
CCV	K	9790.29003	9762.77929	9817.80078	0.39739	ug/L	09/24/10	21:22	
CCV	Mg	5160.41113	5179.50927	5141.31347	0.52337	ug/L	09/24/10	21:22	
CCV	2Mg	5.16039	5.17948	5.14129	0.52326	mg/L	09/24/10	21:22	
CCV	Mn	5089.33593	5106.03906	5072.63232	0.46414	ug/L	09/24/10	21:22	
CCV	Mo	505.05001	505.65228	504.44775	0.16864	ug/L	09/24/10	21:22	
CCV	Na	7480.63183	7422.61083	7538.65234	1.09688	ug/L	09/24/10	21:22	
CCV	Ni	2565.18261	2573.50561	2556.85937	0.45886	ug/L	09/24/10	21:22	
CCV	Pb	519.05517	519.42358	518.68676	0.10037	ug/L	09/24/10	21:22	
CCV	Se	5211.99609	5211.74707	5212.24511	0.00675	ug/L	09/24/10	21:22	
CCV	Sb	508.30068	511.56561	505.03576	0.90837	ug/L	09/24/10	21:22	
CCV	Sn	5143.11328	5160.87255	5125.35351	0.48833	ug/L	09/24/10	21:22	
CCV	Sr	2511.01293	2513.16357	2508.86230	0.12112	ug/L	09/24/10	21:22	
CCV	Ti	503.99798	505.41159	502.58435	0.39666	ug/L	09/24/10	21:22	
CCV	Tl	5146.07666	5171.40478	5120.74853	0.69605	ug/L	09/24/10	21:22	
CCV	V	5056.96289	5071.30126	5042.62402	0.40098	ug/L	09/24/10	21:22	
CCV	Zn	2566.33740	2575.18774	2557.48681	0.48771	ug/L	09/24/10	21:22	
CCV	2203/1	518.31707	521.96441	514.66973	0.99516	ug/L	09/24/10	21:22	
CCV	2203/2	519.41931	518.15075	520.68792	0.34539	ug/L	09/24/10	21:22	
CCV	1960/1	5201.23925	5223.81787	5178.66015	0.61391	ug/L	09/24/10	21:22	
CCV	1960/2	5217.36669	5205.72070	5229.01269	0.31567	ug/L	09/24/10	21:22	
CCV	Y	1020.67352	1019.13702	1022.21002	0.21289		09/24/10	21:22	
CCB	Ag	-0.14806	-0.06063	-0.23549	83.50806	ug/L	09/24/10	21:27	
CCB	Al	15.41331	18.78152	12.04510	30.90423	ug/L	09/24/10	21:27	
CCB	2Al	0.01541	0.01878	0.01204	30.90427	mg/L	09/24/10	21:27	
CCB	As	-1.01016	0.67807	-2.69841	236.35093	ug/L	09/24/10	21:27	
CCB	B	10.51227	13.13959	7.88496	35.34520	ug/L	09/24/10	21:27	
CCB	Ba	0.86949	0.89018	0.84880	3.36511	ug/L	09/24/10	21:27	
CCB	Be	0.06208	0.05670	0.06746	12.25349	ug/L	09/24/10	21:27	
CCB	Ca	3.83008	4.28073	3.37942	16.63991	ug/L	09/24/10	21:27	
CCB	Cd	0.32029	0.50112	0.13946	79.84143	ug/L	09/24/10	21:27	
CCB	Co	0.14245	0.43531	-0.15040	290.73672	ug/L	09/24/10	21:27	
CCB	Cr	0.49296	0.85203	0.13389	103.00898	ug/L	09/24/10	21:27	
CCB	Cu	1.13558	1.45036	0.82080	39.20120	ug/L	09/24/10	21:27	
CCB	Fe	17.29497	28.38671	6.20324	90.69733	ug/L	09/24/10	21:27	
CCB	2Fe	0.01729	0.02838	0.00620	90.69687	mg/L	09/24/10	21:27	
CCB	K	39.58942	64.84645	14.33238	90.22321	ug/L	09/24/10	21:27	
CCB	Mg	1.27137	3.77950	-1.23675	278.99218	ug/L	09/24/10	21:27	
CCB	2Mg	0.00126	0.00377	-0.00123	279.37133	mg/L	09/24/10	21:27	
CCB	Mn	0.68572	0.62266	0.74878	13.00548	ug/L	09/24/10	21:27	
CCB	Mo	1.36684	2.13432	0.59936	79.40750	ug/L	09/24/10	21:27	
CCB	Na	279.15664	378.07876	180.23451	50.11416	ug/L	09/24/10	21:27	
CCB	Ni	0.17773	0.67079	-0.31532	392.32312	ug/L	09/24/10	21:27	
CCB	Pb	0.83266	-0.08555	1.75087	155.95144	ug/L	09/24/10	21:27	
CCB	Se	8.17422	10.01565	6.33279	31.85834	ug/L	09/24/10	21:27	
CCB	Sb	4.70528	6.03378	3.37677	39.92938	ug/L	09/24/10	21:27	
CCB	Sn	4.81036	6.41567	3.20505	47.19500	ug/L	09/24/10	21:27	
CCB	Sr	0.34921	0.35372	0.34470	1.82677	ug/L	09/24/10	21:27	
CCB	Ti	0.41011	0.59101	0.22922	62.37940	ug/L	09/24/10	21:27	
CCB	Tl	11.98589	11.63597	12.33581	4.12869	ug/L	09/24/10	21:27	
CCB	V	2.11739	2.28816	1.94661	11.40613	ug/L	09/24/10	21:27	
CCB	Zn	0.35550	0.50993	0.20107	61.43383	ug/L	09/24/10	21:27	
CCB	2203/1	2.48423	-2.59183	7.56030	288.96823	ug/L	09/24/10	21:27	
CCB	2203/2	0.00811	1.16571	-1.14948	20175.15820	ug/L	09/24/10	21:27	
CCB	1960/1	2.62253	-4.26495	9.51002	371.41055	ug/L	09/24/10	21:27	
CCB	1960/2	10.94590	17.14525	4.74656	80.09561	ug/L	09/24/10	21:27	
CCB	Y	1018.69604	1014.46105	1022.93103	0.58792		09/24/10	21:27	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW (180683) 180953	Ag	-1.31279	-1.12470	-1.50088	20.26228	ug/L	09/24/10	21:32	
PBW (180683) 180953	Al	6.76570	4.66056	8.87084	44.00304	ug/L	09/24/10	21:32	
PBW (180683) 180953	2Al	0.00676	0.00466	0.00887	44.00312	mg/L	09/24/10	21:32	
PBW (180683) 180953	As	-1.84862	-0.85177	-2.84547	76.25965	ug/L	09/24/10	21:32	
PBW (180683) 180953	B	1.53717	1.89430	1.18005	32.85577	ug/L	09/24/10	21:32	
PBW (180683) 180953	Ba	0.15129	0.29640	0.00619	135.62979	ug/L	09/24/10	21:32	
PBW (180683) 180953	Be	-0.02381	0.01337	-0.06100	220.86419	ug/L	09/24/10	21:32	
PBW (180683) 180953	Ca	30.59456	31.19714	29.99197	2.78540	ug/L	09/24/10	21:32	
PBW (180683) 180953	Cd	-0.05317	-0.16289	0.05655	291.83755	ug/L	09/24/10	21:32	
PBW (180683) 180953	Co	-0.69471	-0.59228	-0.79715	20.85241	ug/L	09/24/10	21:32	
PBW (180683) 180953	Cr	-0.32166	-0.23696	-0.40635	37.23716	ug/L	09/24/10	21:32	
PBW (180683) 180953	Cu	-0.25237	0.39791	-0.90266	364.39505	ug/L	09/24/10	21:32	
PBW (180683) 180953	Fe	-3.22880	14.00705	-20.46466	754.92840	ug/L	09/24/10	21:32	
PBW (180683) 180953	2Fe	-0.00322	0.01400	-0.02046	754.87780	mg/L	09/24/10	21:32	
PBW (180683) 180953	K	6.81834	31.58609	-17.94939	513.71508	ug/L	09/24/10	21:32	
PBW (180683) 180953	Mg	-5.00227	-3.77612	-6.22842	34.66510	ug/L	09/24/10	21:32	
PBW (180683) 180953	2Mg	-0.00500	-0.00377	-0.00622	34.58391	mg/L	09/24/10	21:32	
PBW (180683) 180953	Mn	-0.04082	0.01600	-0.09764	196.86401	ug/L	09/24/10	21:32	
PBW (180683) 180953	Mo	-0.15772	0.03235	-0.34781	170.43389	ug/L	09/24/10	21:32	
PBW (180683) 180953	Na	117174.17187	117889.92187	116458.42187	0.86386	ug/L	09/24/10	21:32	
PBW (180683) 180953	Ni	-0.88315	-0.52924	-1.23706	56.67269	ug/L	09/24/10	21:32	
PBW (180683) 180953	Pb	1.78330	3.38967	0.17693	127.38999	ug/L	09/24/10	21:32	
PBW (180683) 180953	Se	4.86271	4.20921	5.51622	19.00575	ug/L	09/24/10	21:32	
PBW (180683) 180953	Sb	1.69572	3.16223	0.22922	122.30464	ug/L	09/24/10	21:32	
PBW (180683) 180953	Sn	0.08358	1.37249	-1.20533	2180.86376	ug/L	09/24/10	21:32	
PBW (180683) 180953	Sr	0.00322	0.05996	-0.05352	2491.39331	ug/L	09/24/10	21:32	
PBW (180683) 180953	Ti	-0.04617	0.09436	-0.18671	430.43304	ug/L	09/24/10	21:32	
PBW (180683) 180953	Tl	0.72043	-1.74678	3.18765	484.31335	ug/L	09/24/10	21:32	
PBW (180683) 180953	V	-0.15786	0.63713	-0.95287	712.18109	ug/L	09/24/10	21:32	
PBW (180683) 180953	Zn	-0.20123	0.15250	-0.55497	248.59832	ug/L	09/24/10	21:32	
PBW (180683) 180953	2203/1	1.66087	3.49482	-0.17306	156.15792	ug/L	09/24/10	21:32	
PBW (180683) 180953	2203/2	1.84442	3.33718	0.35167	114.45690	ug/L	09/24/10	21:32	
PBW (180683) 180953	1960/1	1.56649	-3.66217	6.79516	472.03799	ug/L	09/24/10	21:32	
PBW (180683) 180953	1960/2	6.50835	8.13900	4.87771	35.43259	ug/L	09/24/10	21:32	
PBW (180683) 180953	Y	1019.78100	1015.00701	1024.55505	0.66205		09/24/10	21:32	
PBW (180770)	Ag	-0.31765	-1.16955	0.53424	379.26797	ug/L	09/24/10	21:37	
PBW (180770)	Al	13.99004	13.94406	14.03602	0.46478	ug/L	09/24/10	21:37	
PBW (180770)	2Al	0.01399	0.01394	0.01403	0.46478	mg/L	09/24/10	21:37	
PBW (180770)	As	-0.75267	-3.70816	2.20281	555.31066	ug/L	09/24/10	21:37	
PBW (180770)	B	4.32491	4.76031	3.88951	14.23724	ug/L	09/24/10	21:37	
PBW (180770)	Ba	0.41875	0.16898	0.66851	84.35126	ug/L	09/24/10	21:37	
PBW (180770)	Be	-0.01657	-0.04051	0.00737	204.32214	ug/L	09/24/10	21:37	
PBW (180770)	Ca	61.57285	60.22544	62.92026	3.09474	ug/L	09/24/10	21:37	
PBW (180770)	Cd	0.06865	0.21357	-0.07626	298.51284	ug/L	09/24/10	21:37	
PBW (180770)	Co	-0.21365	-1.02178	0.59448	534.92791	ug/L	09/24/10	21:37	
PBW (180770)	Cr	1.85999	1.81562	1.90436	3.37356	ug/L	09/24/10	21:37	
PBW (180770)	Cu	0.62400	0.79106	0.45695	37.85925	ug/L	09/24/10	21:37	
PBW (180770)	Fe	-5.74356	-14.83244	3.34530	223.79133	ug/L	09/24/10	21:37	
PBW (180770)	2Fe	-0.00574	-0.01483	0.00334	223.79542	mg/L	09/24/10	21:37	
PBW (180770)	K	30.66832	-0.81664	62.15330	145.18716	ug/L	09/24/10	21:37	
PBW (180770)	Mg	11.33642	8.84359	13.82925	31.09789	ug/L	09/24/10	21:37	
PBW (180770)	2Mg	0.01133	0.00884	0.01382	31.07514	mg/L	09/24/10	21:37	
PBW (180770)	Mn	0.11927	0.09949	0.13904	23.44744	ug/L	09/24/10	21:37	
PBW (180770)	Mo	-1.24896	-2.84842	0.35050	181.10894	ug/L	09/24/10	21:37	
PBW (180770)	Na	123469.06250	123228.21875	123709.91406	0.27586	ug/L	09/24/10	21:37	
PBW (180770)	Ni	0.47666	0.28438	0.66894	57.04696	ug/L	09/24/10	21:37	
PBW (180770)	Pb	0.00294	1.78283	-1.77694	85425.03906	ug/L	09/24/10	21:37	
PBW (180770)	Se	5.35761	3.46244	7.25279	50.02559	ug/L	09/24/10	21:37	
PBW (180770)	Sb	0.13506	-2.38349	2.65362	2637.13134	ug/L	09/24/10	21:37	
PBW (180770)	Sn	2.56896	0.10170	5.03622	135.82267	ug/L	09/24/10	21:37	
PBW (180770)	Sr	0.43262	0.41001	0.45523	7.39105	ug/L	09/24/10	21:37	
PBW (180770)	Ti	0.07457	0.07353	0.07561	1.97089	ug/L	09/24/10	21:37	
PBW (180770)	Tl	-0.22113	-1.63541	1.19314	904.46966	ug/L	09/24/10	21:37	
PBW (180770)	V	0.05602	-0.21977	0.33182	696.17980	ug/L	09/24/10	21:37	
PBW (180770)	Zn	0.89451	0.77041	1.01861	19.62011	ug/L	09/24/10	21:37	
PBW (180770)	2203/1	3.47057	1.00451	5.93662	100.48863	ug/L	09/24/10	21:37	
PBW (180770)	2203/2	-1.72826	2.17141	-5.62794	319.10498	ug/L	09/24/10	21:37	
PBW (180770)	1960/1	4.69430	2.21344	7.17516	74.73874	ug/L	09/24/10	21:37	
PBW (180770)	1960/2	5.68877	4.08600	7.29154	39.84438	ug/L	09/24/10	21:37	
PBW (180770)	Y	1012.11254	1008.91705	1015.30804	0.44650		09/24/10	21:37	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW (180631)	Ag	-0.19298	-1.61169	1.22572	1039.66149	ug/L	09/24/10	21:43	
PBW (180631)	Al	13.39935	3.98640	22.81231	99.34749	ug/L	09/24/10	21:43	
PBW (180631)	2Al	0.01339	0.00398	0.02281	99.34739	mg/L	09/24/10	21:43	
PBW (180631)	As	-3.74100	-3.18495	-4.29704	21.02025	ug/L	09/24/10	21:43	
PBW (180631)	B	17.03171	16.49485	17.56858	4.45782	ug/L	09/24/10	21:43	
PBW (180631)	Ba	1.21476	1.03983	1.38969	20.36487	ug/L	09/24/10	21:43	
PBW (180631)	Be	-0.01468	-0.03278	0.00341	174.27650	ug/L	09/24/10	21:43	
PBW (180631)	Ca	252.93020	252.16383	253.69656	0.42849	ug/L	09/24/10	21:43	
PBW (180631)	Cd	0.02366	0.16773	-0.12040	860.85192	ug/L	09/24/10	21:43	
PBW (180631)	Co	-0.44337	-0.88664	-0.00011	141.38552	ug/L	09/24/10	21:43	
PBW (180631)	Cr	28.71557	28.43861	28.99254	1.36402	ug/L	09/24/10	21:43	
PBW (180631)	Cu	0.29930	-0.28371	0.88232	275.47445	ug/L	09/24/10	21:43	
PBW (180631)	Fe	-10.57968	-19.90648	-1.25289	124.67360	ug/L	09/24/10	21:43	
PBW (180631)	2Fe	-0.01057	-0.01990	-0.00125	124.67226	mg/L	09/24/10	21:43	
PBW (180631)	K	85.04434	61.90276	108.18592	38.48243	ug/L	09/24/10	21:43	
PBW (180631)	Mg	57.99916	55.31970	60.67861	6.53340	ug/L	09/24/10	21:43	
PBW (180631)	2Mg	0.05798	0.05530	0.06066	6.52922	mg/L	09/24/10	21:43	
PBW (180631)	Mn	0.09878	0.06144	0.13611	53.44956	ug/L	09/24/10	21:43	
PBW (180631)	Mo	0.36588	-1.00560	1.73736	530.10870	ug/L	09/24/10	21:43	
PBW (180631)	Na	113809.54687	113361.32812	114257.76562	0.55696	ug/L	09/24/10	21:43	
PBW (180631)	Ni	0.34102	0.56773	0.11431	94.01642	ug/L	09/24/10	21:43	
PBW (180631)	Pb	0.76259	1.03715	0.48802	50.91812	ug/L	09/24/10	21:43	
PBW (180631)	Se	2.00062	0.63117	3.37008	96.80489	ug/L	09/24/10	21:43	
PBW (180631)	Sb	1.67476	0.91552	2.43400	64.11201	ug/L	09/24/10	21:43	
PBW (180631)	Sn	-0.68069	-1.72349	0.36209	216.65042	ug/L	09/24/10	21:43	
PBW (180631)	Sr	0.75916	0.70561	0.81272	9.97646	ug/L	09/24/10	21:43	
PBW (180631)	Ti	0.08906	-0.28258	0.46071	590.10235	ug/L	09/24/10	21:43	
PBW (180631)	Tl	-4.75784	-8.23804	-1.27764	103.44486	ug/L	09/24/10	21:43	
PBW (180631)	V	0.26458	-0.25258	0.78176	276.42886	ug/L	09/24/10	21:43	
PBW (180631)	Zn	1.76415	1.50015	2.02814	21.16272	ug/L	09/24/10	21:43	
PBW (180631)	2203/1	2.56615	-0.12361	5.25591	148.23374	ug/L	09/24/10	21:43	
PBW (180631)	2203/2	-0.13783	1.61667	-1.89234	1800.11865	ug/L	09/24/10	21:43	
PBW (180631)	1960/1	1.75003	-2.00263	5.50271	303.25506	ug/L	09/24/10	21:43	
PBW (180631)	1960/2	2.12572	1.94609	2.30534	11.95015	ug/L	09/24/10	21:43	
PBW (180631)	Y	990.01702	991.73205	988.30200	0.24498		09/24/10	21:43	
PBW (180509)	Ag	-0.21861	-0.95729	0.52006	477.85424	ug/L	09/24/10	21:48	
PBW (180509)	Al	16.86174	19.25242	14.47107	20.05086	ug/L	09/24/10	21:48	
PBW (180509)	2Al	0.01686	0.01925	0.01447	20.05085	mg/L	09/24/10	21:48	
PBW (180509)	As	-1.89766	-3.42977	-0.36554	114.17937	ug/L	09/24/10	21:48	
PBW (180509)	B	3.83276	4.18123	3.48430	12.85753	ug/L	09/24/10	21:48	
PBW (180509)	Ba	0.37781	0.33548	0.42013	15.84422	ug/L	09/24/10	21:48	
PBW (180509)	Be	-0.01408	-0.02188	-0.00627	78.39118	ug/L	09/24/10	21:48	
PBW (180509)	Ca	54.26358	53.49596	55.03120	2.00057	ug/L	09/24/10	21:48	
PBW (180509)	Cd	0.16756	0.10250	0.23261	54.90409	ug/L	09/24/10	21:48	
PBW (180509)	Co	0.12467	0.10985	0.13949	16.81071	ug/L	09/24/10	21:48	
PBW (180509)	Cr	1.61668	2.11385	1.11950	43.49107	ug/L	09/24/10	21:48	
PBW (180509)	Cu	0.76570	0.78839	0.74300	4.19169	ug/L	09/24/10	21:48	
PBW (180509)	Fe	-2.76009	-3.26248	-2.25771	25.74112	ug/L	09/24/10	21:48	
PBW (180509)	2Fe	-0.00275	-0.00326	-0.00225	25.74160	mg/L	09/24/10	21:48	
PBW (180509)	K	39.77779	23.12865	56.42692	59.19242	ug/L	09/24/10	21:48	
PBW (180509)	Mg	11.49456	16.59429	6.39484	62.74353	ug/L	09/24/10	21:48	
PBW (180509)	2Mg	0.01149	0.01659	0.00639	62.74185	mg/L	09/24/10	21:48	
PBW (180509)	Mn	0.14451	0.18556	0.10346	40.17069	ug/L	09/24/10	21:48	
PBW (180509)	Mo	-0.02690	-0.74089	0.68708	3752.58959	ug/L	09/24/10	21:48	
PBW (180509)	Na	116019.60937	116192.57031	115846.64062	0.21083	ug/L	09/24/10	21:48	
PBW (180509)	Ni	0.32267	-0.15032	0.79567	207.30549	ug/L	09/24/10	21:48	
PBW (180509)	Pb	-0.11264	-0.00081	-0.22447	140.39231	ug/L	09/24/10	21:48	
PBW (180509)	Se	5.84139	5.09928	6.58351	17.96667	ug/L	09/24/10	21:48	
PBW (180509)	Sb	3.85448	3.39660	4.31235	16.79940	ug/L	09/24/10	21:48	
PBW (180509)	Sn	2.72720	2.06078	3.39361	34.55747	ug/L	09/24/10	21:48	
PBW (180509)	Sr	0.37265	0.43874	0.30656	25.08033	ug/L	09/24/10	21:48	
PBW (180509)	Ti	0.17603	0.28373	0.06833	86.52553	ug/L	09/24/10	21:48	
PBW (180509)	Tl	-3.13655	-3.01976	-3.25334	5.26568	ug/L	09/24/10	21:48	
PBW (180509)	V	0.17277	0.24516	0.10039	59.24890	ug/L	09/24/10	21:48	
PBW (180509)	Zn	0.57448	0.78024	0.36873	50.65129	ug/L	09/24/10	21:48	
PBW (180509)	2203/1	1.86607	-2.79162	6.52377	352.98535	ug/L	09/24/10	21:48	
PBW (180509)	2203/2	-1.10052	1.39248	-3.59353	320.36135	ug/L	09/24/10	21:48	
PBW (180509)	1960/1	5.17150	2.22789	8.11511	80.49668	ug/L	09/24/10	21:48	
PBW (180509)	1960/2	6.17584	6.53282	5.81885	8.17467	ug/L	09/24/10	21:48	
PBW (180509)	Y	995.97058	998.70404	993.23706	0.38813		09/24/10	21:48	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	51.59240	51.66709	51.51772	0.20471	ug/L	09/24/10	21:53	
LCSW-1	Al	2122.12207	2124.42626	2119.81762	0.15356	ug/L	09/24/10	21:53	
LCSW-1	2Al	2.12212	2.12433	2.11991	0.14733	mg/L	09/24/10	21:53	
LCSW-1	As	2164.34814	2163.77197	2164.92431	0.03764	ug/L	09/24/10	21:53	
LCSW-1	B	1059.70678	1058.79785	1060.61584	0.12130	ug/L	09/24/10	21:53	
LCSW-1	Ba	2119.51025	2119.71337	2119.30688	0.01356	ug/L	09/24/10	21:53	
LCSW-1	Be	53.31363	53.36572	53.26154	0.13817	ug/L	09/24/10	21:53	
LCSW-1	Ca	5274.92578	5277.64599	5272.20605	0.07292	ug/L	09/24/10	21:53	
LCSW-1	Cd	54.47162	54.01427	54.92897	1.18738	ug/L	09/24/10	21:53	
LCSW-1	Co	540.70324	540.94616	540.46038	0.06352	ug/L	09/24/10	21:53	
LCSW-1	Cr	214.85218	214.89131	214.81306	0.02575	ug/L	09/24/10	21:53	
LCSW-1	Cu	266.36132	266.81039	265.91229	0.23841	ug/L	09/24/10	21:53	
LCSW-1	Fe	1035.16943	1042.84790	1027.49108	1.04899	ug/L	09/24/10	21:53	
LCSW-1	2Fe	1.03526	1.04294	1.02758	1.04877	mg/L	09/24/10	21:53	
LCSW-1	K	6189.70263	6181.01611	6198.38916	0.19846	ug/L	09/24/10	21:53	
LCSW-1	Mg	5266.02783	5268.57324	5263.48242	0.06835	ug/L	09/24/10	21:53	
LCSW-1	2Mg	5.26460	5.26714	5.26206	0.06831	mg/L	09/24/10	21:53	
LCSW-1	Mn	532.93597	532.95690	532.91503	0.00555	ug/L	09/24/10	21:53	
LCSW-1	Mo	524.33691	525.47283	523.20092	0.30638	ug/L	09/24/10	21:53	
LCSW-1	Na	177611.25000	177665.70312	177556.79687	0.04335	ug/L	09/24/10	21:53	
LCSW-1	Ni	536.59942	536.19830	537.00054	0.10571	ug/L	09/24/10	21:53	
LCSW-1	Pb	538.74713	539.57885	537.91540	0.21832	ug/L	09/24/10	21:53	
LCSW-1	Se	2180.50292	2185.50390	2175.50170	0.32435	ug/L	09/24/10	21:53	
LCSW-1	Sb	519.17016	517.96716	520.37322	0.32770	ug/L	09/24/10	21:53	
LCSW-1	Sn	1066.62231	1066.30969	1066.93493	0.04144	ug/L	09/24/10	21:53	
LCSW-1	Sr	529.71069	530.20440	529.21697	0.13181	ug/L	09/24/10	21:53	
LCSW-1	Ti	727.95385	727.81274	728.09503	0.02742	ug/L	09/24/10	21:53	
LCSW-1	Tl	2215.34399	2218.81152	2211.87646	0.22135	ug/L	09/24/10	21:53	
LCSW-1	V	527.03686	526.93884	527.13488	0.02630	ug/L	09/24/10	21:53	
LCSW-1	Zn	551.41186	551.20983	551.61395	0.05182	ug/L	09/24/10	21:53	
LCSW-1	2203/1	542.19824	544.12432	540.27221	0.50237	ug/L	09/24/10	21:53	
LCSW-1	2203/2	537.02416	537.30957	536.73876	0.07515	ug/L	09/24/10	21:53	
LCSW-1	1960/1	2186.45410	2199.59228	2173.31591	0.84978	ug/L	09/24/10	21:53	
LCSW-1	1960/2	2177.53076	2178.46948	2176.59204	0.06096	ug/L	09/24/10	21:53	
LCSW-1	Y	1005.50451	1002.83404	1008.17504	0.37559		09/24/10	21:53	
LCSW-2	Ag	51.11840	50.46397	51.77283	1.81050	ug/L	09/24/10	21:58	
LCSW-2	Al	2116.90576	2111.13305	2122.67846	0.38564	ug/L	09/24/10	21:58	
LCSW-2	2Al	2.11699	2.11122	2.12277	0.38565	mg/L	09/24/10	21:58	
LCSW-2	As	2179.14794	2176.80297	2181.49291	0.15218	ug/L	09/24/10	21:58	
LCSW-2	B	1066.82006	1065.84826	1067.79199	0.12883	ug/L	09/24/10	21:58	
LCSW-2	Ba	2114.92578	2112.10522	2117.74609	0.18859	ug/L	09/24/10	21:58	
LCSW-2	Be	53.51710	53.51010	53.52410	0.01849	ug/L	09/24/10	21:58	
LCSW-2	Ca	5288.60791	5281.45605	5295.75976	0.19124	ug/L	09/24/10	21:58	
LCSW-2	Cd	54.74874	54.72453	54.77294	0.06251	ug/L	09/24/10	21:58	
LCSW-2	Co	541.29089	540.19042	542.39129	0.28750	ug/L	09/24/10	21:58	
LCSW-2	Cr	215.25508	215.06379	215.44636	0.12567	ug/L	09/24/10	21:58	
LCSW-2	Cu	267.50738	266.05975	268.95501	0.76530	ug/L	09/24/10	21:58	
LCSW-2	Fe	1028.75122	1023.24395	1034.25842	0.75707	ug/L	09/24/10	21:58	
LCSW-2	2Fe	1.02884	1.02333	1.03435	0.75696	mg/L	09/24/10	21:58	
LCSW-2	K	6116.17285	6068.47607	6163.86962	1.10286	ug/L	09/24/10	21:58	
LCSW-2	Mg	5287.54589	5279.88574	5295.20556	0.20487	ug/L	09/24/10	21:58	
LCSW-2	2Mg	5.28611	5.27846	5.29377	0.20484	mg/L	09/24/10	21:58	
LCSW-2	Mn	534.19549	533.80224	534.58874	0.10410	ug/L	09/24/10	21:58	
LCSW-2	Mo	527.34704	529.10064	525.59344	0.47027	ug/L	09/24/10	21:58	
LCSW-2	Na	176445.18750	174798.70312	178091.68750	1.31966	ug/L	09/24/10	21:58	
LCSW-2	Ni	537.29388	535.73791	538.84985	0.40954	ug/L	09/24/10	21:58	
LCSW-2	Pb	543.86578	544.56707	543.16448	0.18235	ug/L	09/24/10	21:58	
LCSW-2	Se	2191.05517	2196.89624	2185.21435	0.37700	ug/L	09/24/10	21:58	
LCSW-2	Sb	514.67114	510.88656	518.45568	1.03992	ug/L	09/24/10	21:58	
LCSW-2	Sn	1070.20458	1073.16540	1067.24389	0.39124	ug/L	09/24/10	21:58	
LCSW-2	Sr	529.41302	529.11053	529.71551	0.08080	ug/L	09/24/10	21:58	
LCSW-2	Ti	728.42913	727.13140	729.72686	0.25194	ug/L	09/24/10	21:58	
LCSW-2	Tl	2224.41040	2220.71728	2228.10351	0.23479	ug/L	09/24/10	21:58	
LCSW-2	V	526.19934	525.67675	526.72192	0.14044	ug/L	09/24/10	21:58	
LCSW-2	Zn	554.33453	554.19409	554.47497	0.03582	ug/L	09/24/10	21:58	
LCSW-2	2203/1	544.74975	543.52728	545.97222	0.31736	ug/L	09/24/10	21:58	
LCSW-2	2203/2	543.42443	545.08618	541.76275	0.43244	ug/L	09/24/10	21:58	
LCSW-2	1960/1	2195.05664	2191.51171	2198.60156	0.22838	ug/L	09/24/10	21:58	
LCSW-2	1960/2	2189.05712	2199.58398	2178.53002	0.68008	ug/L	09/24/10	21:58	
LCSW-2	Y	1010.11053	1010.36602	1009.85504	0.03577		09/24/10	21:58	

0092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61418-1	Ag	-0.99921	-0.74108	-1.25734	36.53366	ug/L	09/24/10	22:03	
61418-1	Al	29.48115	38.93222	20.03009	45.33683	ug/L	09/24/10	22:03	
61418-1	2Al	0.02948	0.03893	0.02003	45.33683	mg/L	09/24/10	22:03	
61418-1	As	-1.05192	1.71103	-3.81489	371.45291	ug/L	09/24/10	22:03	
61418-1	B	11.50660	13.56854	9.44466	25.34213	ug/L	09/24/10	22:03	
61418-1	Ba	23.22023	23.32983	23.11063	0.66752	ug/L	09/24/10	22:03	
61418-1	Be	-0.00731	-0.00266	-0.01196	89.93466	ug/L	09/24/10	22:03	
61418-1	Ca	32619.16796	32725.08984	32513.24414	0.45923	ug/L	09/24/10	22:03	
61418-1	Cd	0.29244	0.33039	0.25448	18.35467	ug/L	09/24/10	22:03	
61418-1	Co	0.78504	1.15416	0.41592	66.49508	ug/L	09/24/10	22:03	
61418-1	Cr	1.29871	1.80264	0.79478	54.87461	ug/L	09/24/10	22:03	
61418-1	Cu	4.02690	4.63729	3.41651	21.43637	ug/L	09/24/10	22:03	
61418-1	Fe	12.74665	12.28761	13.20570	5.09301	ug/L	09/24/10	22:03	
61418-1	2Fe	0.01274	0.01228	0.01320	5.09170	mg/L	09/24/10	22:03	
61418-1	K	559.51928	566.44995	552.58862	1.75176	ug/L	09/24/10	22:03	
61418-1	Mg	1333.81762	1343.78674	1323.84838	1.05700	ug/L	09/24/10	22:03	
61418-1	2Mg	1.33346	1.34343	1.32349	1.05700	mg/L	09/24/10	22:03	
61418-1	Mn	56.12524	56.36030	55.89019	0.59227	ug/L	09/24/10	22:03	
61418-1	Mo	1.23043	1.97608	0.48477	85.70249	ug/L	09/24/10	22:03	
61418-1	Na	118911.47656	118885.54687	118937.40625	0.03083	ug/L	09/24/10	22:03	
61418-1	Ni	2.23459	2.51163	1.95756	17.53270	ug/L	09/24/10	22:03	
61418-1	Pb	3.37348	3.60217	3.14479	9.58703	ug/L	09/24/10	22:03	
61418-1	Se	2.07173	2.97107	1.17238	61.39141	ug/L	09/24/10	22:03	
61418-1	Sb	3.93394	6.55977	1.30810	94.39628	ug/L	09/24/10	22:03	
61418-1	Sn	0.18504	1.35089	-0.98080	891.00482	ug/L	09/24/10	22:03	
61418-1	Sr	49.01212	49.12921	48.89503	0.33786	ug/L	09/24/10	22:03	
61418-1	Ti	0.74902	1.16641	0.33164	78.80538	ug/L	09/24/10	22:03	
61418-1	Tl	5.69381	8.63055	2.75706	72.94203	ug/L	09/24/10	22:03	
61418-1	V	0.95201	0.86559	1.03842	12.83715	ug/L	09/24/10	22:03	
61418-1	Zn	48.69662	49.39528	47.99795	2.02901	ug/L	09/24/10	22:03	
61418-1	2203/1	3.79910	2.75244	4.84576	38.96197	ug/L	09/24/10	22:03	
61418-1	2203/2	3.16099	4.02641	2.29558	38.71805	ug/L	09/24/10	22:03	
61418-1	1960/1	-3.99592	-3.42681	-4.56503	20.14157	ug/L	09/24/10	22:03	
61418-1	1960/2	5.10101	6.16523	4.03679	29.50450	ug/L	09/24/10	22:03	
61418-1	Y	1001.56005	998.85803	1004.26202	0.38152		09/24/10	22:03	
61419-8	Ag	-0.32780	-0.82782	0.17222	215.72496	ug/L	09/24/10	22:09	
61419-8	Al	79.96017	76.90847	83.01187	5.39738	ug/L	09/24/10	22:09	
61419-8	2Al	0.07996	0.07691	0.08301	5.39738	mg/L	09/24/10	22:09	
61419-8	As	0.35910	0.64463	0.07357	112.44783	ug/L	09/24/10	22:09	
61419-8	B	12.06706	10.78152	13.35261	15.06605	ug/L	09/24/10	22:09	
61419-8	Ba	12.29520	12.24539	12.34502	0.57295	ug/L	09/24/10	22:09	
61419-8	Be	0.00936	0.00601	0.01272	50.66488	ug/L	09/24/10	22:09	
61419-8	Ca	28251.62500	28153.71875	28349.52929	0.49009	ug/L	09/24/10	22:09	
61419-8	Cd	0.18539	0.23943	0.13135	41.22242	ug/L	09/24/10	22:09	
61419-8	Co	-0.05250	-0.45592	0.35090	1086.54724	ug/L	09/24/10	22:09	
61419-8	Cr	1.74589	1.64238	1.84941	8.38491	ug/L	09/24/10	22:09	
61419-8	Cu	1.91065	1.28381	2.53750	46.39749	ug/L	09/24/10	22:09	
61419-8	Fe	50.80633	61.66406	39.94859	30.22291	ug/L	09/24/10	22:09	
61419-8	2Fe	0.05080	0.06165	0.03994	30.22264	mg/L	09/24/10	22:09	
61419-8	K	95.10849	114.57148	75.64550	28.94044	ug/L	09/24/10	22:09	
61419-8	Mg	313.75015	309.98901	317.51129	1.69531	ug/L	09/24/10	22:09	
61419-8	2Mg	0.31365	0.30989	0.31741	1.69621	mg/L	09/24/10	22:09	
61419-8	Mn	4.68039	4.63994	4.72083	1.22206	ug/L	09/24/10	22:09	
61419-8	Mo	0.36205	0.62250	0.10159	101.73603	ug/L	09/24/10	22:09	
61419-8	Na	126626.92968	126622.43750	126631.42187	0.00501	ug/L	09/24/10	22:09	
61419-8	Ni	-0.05959	-0.17196	0.05276	266.61422	ug/L	09/24/10	22:09	
61419-8	Pb	0.61058	0.38493	0.83624	52.26480	ug/L	09/24/10	22:09	
61419-8	Se	3.65043	3.78024	3.52062	5.02900	ug/L	09/24/10	22:09	
61419-8	Sb	2.75615	4.03224	1.48005	65.47785	ug/L	09/24/10	22:09	
61419-8	Sn	2.97660	1.12453	4.82867	87.99351	ug/L	09/24/10	22:09	
61419-8	Sr	34.19156	34.13457	34.24855	0.23573	ug/L	09/24/10	22:09	
61419-8	Ti	0.59651	0.52736	0.66566	16.39424	ug/L	09/24/10	22:09	
61419-8	Tl	1.44052	1.66671	1.21433	22.20565	ug/L	09/24/10	22:09	
61419-8	V	1.83970	2.46940	1.21000	48.40597	ug/L	09/24/10	22:09	
61419-8	Zn	1.51188	1.30457	1.71920	19.39179	ug/L	09/24/10	22:09	
61419-8	2203/1	1.14060	1.64884	0.63236	63.01538	ug/L	09/24/10	22:09	
61419-8	2203/2	0.34597	-0.24607	0.93802	242.00733	ug/L	09/24/10	22:09	
61419-8	1960/1	0.62941	1.70261	-0.44377	241.13168	ug/L	09/24/10	22:09	
61419-8	1960/2	5.15867	4.81749	5.49984	9.35307	ug/L	09/24/10	22:09	
61419-8	Y	992.93603	992.63500	993.23706	0.04287		09/24/10	22:09	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61419-8L	Ag	-0.39556	-0.48313	-0.30799	31.30848	ug/L	09/24/10	22:14	
61419-8L	Al	26.19877	26.49626	25.90127	1.60587	ug/L	09/24/10	22:14	
61419-8L	2Al	0.02619	0.02649	0.02590	1.60587	mg/L	09/24/10	22:14	
61419-8L	As	0.42517	-1.37120	2.22154	597.51330	ug/L	09/24/10	22:14	
61419-8L	B	2.01011	2.24599	1.77423	16.59542	ug/L	09/24/10	22:14	
61419-8L	Ba	2.51842	2.55782	2.47903	2.21202	ug/L	09/24/10	22:14	
61419-8L	Be	0.01088	0.00652	0.01524	56.63732	ug/L	09/24/10	22:14	
61419-8L	Ca	5605.01855	5705.05664	5504.98095	2.52407	ug/L	09/24/10	22:14	
61419-8L	Cd	0.07503	-0.08223	0.23231	296.40597	ug/L	09/24/10	22:14	
61419-8L	Co	-0.19515	-0.03105	-0.35925	118.91829	ug/L	09/24/10	22:14	
61419-8L	Cr	0.55616	0.96727	0.14505	104.53688	ug/L	09/24/10	22:14	
61419-8L	Cu	0.75654	0.74357	0.76951	2.42524	ug/L	09/24/10	22:14	
61419-8L	Fe	15.26222	21.01608	9.50836	53.31582	ug/L	09/24/10	22:14	
61419-8L	2Fe	0.01526	0.02101	0.00950	53.31585	mg/L	09/24/10	22:14	
61419-8L	K	42.99641	36.46148	49.53135	21.49433	ug/L	09/24/10	22:14	
61419-8L	Mg	66.33260	69.95407	62.71112	7.72099	ug/L	09/24/10	22:14	
61419-8L	2Mg	0.06631	0.06993	0.06269	7.71915	mg/L	09/24/10	22:14	
61419-8L	Mn	1.01832	1.07706	0.95958	8.15780	ug/L	09/24/10	22:14	
61419-8L	Mo	0.45563	0.22763	0.68364	70.76751	ug/L	09/24/10	22:14	
61419-8L	Na	23383.23828	23804.67578	22961.79882	2.54885	ug/L	09/24/10	22:14	
61419-8L	Ni	0.23647	-0.14635	0.61930	228.94584	ug/L	09/24/10	22:14	
61419-8L	Pb	0.96101	1.90408	0.01793	138.78262	ug/L	09/24/10	22:14	
61419-8L	Se	1.52225	0.42919	2.61530	101.54830	ug/L	09/24/10	22:14	
61419-8L	Sb	3.24015	1.98914	4.49115	54.60190	ug/L	09/24/10	22:14	
61419-8L	Sn	-0.04722	0.59200	-0.68645	1914.18237	ug/L	09/24/10	22:14	
61419-8L	Sr	6.83133	6.98566	6.67699	3.19500	ug/L	09/24/10	22:14	
61419-8L	Ti	0.15340	0.31020	-0.00339	144.54771	ug/L	09/24/10	22:14	
61419-8L	Tl	1.14578	0.43240	1.85915	88.05026	ug/L	09/24/10	22:14	
61419-8L	V	1.12248	0.84364	1.40132	35.13109	ug/L	09/24/10	22:14	
61419-8L	Zn	0.44202	0.26038	0.62367	58.11536	ug/L	09/24/10	22:14	
61419-8L	2203/1	-1.64379	-0.06511	-3.22246	135.81915	ug/L	09/24/10	22:14	
61419-8L	2203/2	2.26145	2.88721	1.63570	39.13199	ug/L	09/24/10	22:14	
61419-8L	1960/1	0.27168	-1.39254	1.93590	866.28771	ug/L	09/24/10	22:14	
61419-8L	1960/2	2.14659	1.33869	2.95449	53.22611	ug/L	09/24/10	22:14	
61419-8L	Y	1000.49951	1003.70202	997.29705	0.45267		09/24/10	22:14	
CCV	Ag	499.17916	499.09121	499.26712	0.02491	ug/L	09/24/10	22:19	
CCV	Al	5001.94726	5008.25000	4995.64501	0.17819	ug/L	09/24/10	22:19	
CCV	2Al	5.00176	5.00824	4.99527	0.18343	mg/L	09/24/10	22:19	
CCV	As	521.05017	520.70989	521.39038	0.09234	ug/L	09/24/10	22:19	
CCV	B	5117.51171	5117.82910	5117.19482	0.00876	ug/L	09/24/10	22:19	
CCV	Ba	4956.88281	4961.87304	4951.89208	0.14237	ug/L	09/24/10	22:19	
CCV	Be	509.63079	509.62481	509.63677	0.00165	ug/L	09/24/10	22:19	
CCV	Ca	5102.06347	5102.77734	5101.35009	0.01978	ug/L	09/24/10	22:19	
CCV	Cd	513.95574	513.41680	514.49468	0.14829	ug/L	09/24/10	22:19	
CCV	Co	509.90161	510.55252	509.25073	0.18052	ug/L	09/24/10	22:19	
CCV	Cr	5069.23876	5072.87109	5065.60644	0.10133	ug/L	09/24/10	22:19	
CCV	Cu	5011.38623	5012.37695	5010.39550	0.02795	ug/L	09/24/10	22:19	
CCV	Fe	5067.18408	5058.34179	5076.02636	0.24678	ug/L	09/24/10	22:19	
CCV	2Fe	5.06718	5.05834	5.07602	0.24672	mg/L	09/24/10	22:19	
CCV	K	9643.01953	9615.63085	9670.40820	0.40167	ug/L	09/24/10	22:19	
CCV	Mg	5157.58203	5154.84521	5160.31933	0.07505	ug/L	09/24/10	22:19	
CCV	2Mg	5.15756	5.15482	5.16029	0.07495	mg/L	09/24/10	22:19	
CCV	Mn	5079.63378	5083.22119	5076.04638	0.09987	ug/L	09/24/10	22:19	
CCV	Mo	498.52545	498.66055	498.39038	0.03832	ug/L	09/24/10	22:19	
CCV	Na	7477.65722	7351.20654	7604.10742	2.39149	ug/L	09/24/10	22:19	
CCV	Ni	2558.66088	2563.16308	2554.15869	0.24884	ug/L	09/24/10	22:19	
CCV	Pb	516.04840	515.53662	516.56018	0.14025	ug/L	09/24/10	22:19	
CCV	Se	5167.05859	5171.30761	5162.80957	0.11629	ug/L	09/24/10	22:19	
CCV	Sb	508.24902	503.74429	512.75378	1.25345	ug/L	09/24/10	22:19	
CCV	Sn	5128.51757	5139.64941	5117.38574	0.30696	ug/L	09/24/10	22:19	
CCV	Sr	2506.18066	2505.92773	2506.43334	0.01426	ug/L	09/24/10	22:19	
CCV	Ti	500.39132	500.08062	500.70202	0.08781	ug/L	09/24/10	22:19	
CCV	Tl	5136.81640	5139.93750	5133.69482	0.08593	ug/L	09/24/10	22:19	
CCV	V	5049.23095	5054.59277	5043.86914	0.15017	ug/L	09/24/10	22:19	
CCV	Zn	2570.25195	2572.90161	2567.60253	0.14578	ug/L	09/24/10	22:19	
CCV	2203/1	513.40057	514.76623	512.03491	0.37618	ug/L	09/24/10	22:19	
CCV	2203/2	517.36584	515.91674	518.81500	0.39611	ug/L	09/24/10	22:19	
CCV	1960/1	5167.52929	5168.25048	5166.80810	0.01973	ug/L	09/24/10	22:19	
CCV	1960/2	5166.82324	5172.83349	5160.81298	0.16450	ug/L	09/24/10	22:19	
CCV	Y	1014.97900	1015.02801	1014.93005	0.00682		09/24/10	22:19	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.74215	-0.57273	-0.91157	32.28331	ug/L	09/24/10	22:24	
CCB	Al	9.13673	11.05153	7.22194	29.63785	ug/L	09/24/10	22:24	
CCB	2Al	0.00913	0.01105	0.00722	29.63805	mg/L	09/24/10	22:24	
CCB	As	-2.10957	-1.51727	-2.70186	39.70620	ug/L	09/24/10	22:24	
CCB	B	10.39529	10.94294	9.84765	7.45034	ug/L	09/24/10	22:24	
CCB	Ba	1.13626	0.38777	1.88474	93.15814	ug/L	09/24/10	22:24	
CCB	Be	0.08424	0.01678	0.15170	113.25220	ug/L	09/24/10	22:24	
CCB	Ca	2.83896	1.10298	4.57494	86.47666	ug/L	09/24/10	22:24	
CCB	Cd	0.14578	-0.09388	0.38546	232.49610	ug/L	09/24/10	22:24	
CCB	Co	-0.25082	-0.65694	0.15528	228.97300	ug/L	09/24/10	22:24	
CCB	Cr	0.88060	0.43885	1.32234	70.94221	ug/L	09/24/10	22:24	
CCB	Cu	1.40611	0.19830	2.61393	121.47696	ug/L	09/24/10	22:24	
CCB	Fe	-15.27012	-20.50832	-10.03191	48.51265	ug/L	09/24/10	22:24	
CCB	2Fe	-0.01526	-0.02050	-0.01003	48.51472	mg/L	09/24/10	22:24	
CCB	K	-11.06126	-19.94390	-2.17863	113.56693	ug/L	09/24/10	22:24	
CCB	Mg	1.26159	-1.25001	3.77319	281.54464	ug/L	09/24/10	22:24	
CCB	2Mg	0.00126	-0.00124	0.00377	280.76599	mg/L	09/24/10	22:24	
CCB	Mn	1.13631	0.39306	1.87956	92.50223	ug/L	09/24/10	22:24	
CCB	Mo	1.74343	1.42423	2.06263	25.89230	ug/L	09/24/10	22:24	
CCB	Na	-187.83081	-264.17971	-111.48189	57.48453	ug/L	09/24/10	22:24	
CCB	Ni	-0.02923	-0.79039	0.73192	3682.27075	ug/L	09/24/10	22:24	
CCB	Pb	-0.24039	-0.71516	0.23437	279.30136	ug/L	09/24/10	22:24	
CCB	Se	5.90634	6.54125	5.27143	15.20232	ug/L	09/24/10	22:24	
CCB	Sb	1.12191	0.10768	2.13614	127.84742	ug/L	09/24/10	22:24	
CCB	Sn	3.48691	3.42687	3.54694	2.43497	ug/L	09/24/10	22:24	
CCB	Sr	0.59103	0.20851	0.97355	91.52918	ug/L	09/24/10	22:24	
CCB	Ti	0.10493	0.11478	0.09508	13.27246	ug/L	09/24/10	22:24	
CCB	Tl	6.60599	9.52279	3.68919	62.44290	ug/L	09/24/10	22:24	
CCB	V	0.89059	-0.04371	1.82490	148.36303	ug/L	09/24/10	22:24	
CCB	Zn	0.58337	0.00028	1.16646	141.35209	ug/L	09/24/10	22:24	
CCB	2203/1	2.77323	3.80406	1.74240	52.56715	ug/L	09/24/10	22:24	
CCB	2203/2	-1.74494	-2.97138	-0.51851	99.39785	ug/L	09/24/10	22:24	
CCB	1960/1	6.44584	8.80074	4.09095	51.66619	ug/L	09/24/10	22:24	
CCB	1960/2	5.63700	5.41321	5.86078	5.61442	ug/L	09/24/10	22:24	
CCB	Y	1019.32250	1020.53002	1018.11505	0.16752		09/24/10	22:24	
61419-8A	Ag	41.94138	41.47312	42.40963	1.57889	ug/L	09/24/10	22:29	
61419-8A	Al	2081.19531	2077.13623	2085.25439	0.27582	ug/L	09/24/10	22:29	
61419-8A	2Al	2.08119	2.07703	2.08534	0.28222	mg/L	09/24/10	22:29	
61419-8A	As	2087.94873	2082.54345	2093.35400	0.36611	ug/L	09/24/10	22:29	
61419-8A	B	1050.82678	1051.29565	1050.35791	0.06310	ug/L	09/24/10	22:29	
61419-8A	Ba	2049.31591	2052.72851	2045.90319	0.23550	ug/L	09/24/10	22:29	
61419-8A	Be	51.97040	51.95891	51.98189	0.03125	ug/L	09/24/10	22:29	
61419-8A	Ca	33005.97656	32993.08984	33018.85937	0.05520	ug/L	09/24/10	22:29	
61419-8A	Cd	52.77716	52.49502	53.05930	0.75601	ug/L	09/24/10	22:29	
61419-8A	Co	519.48376	518.27868	520.68890	0.32807	ug/L	09/24/10	22:29	
61419-8A	Cr	208.20492	208.15730	208.25256	0.03235	ug/L	09/24/10	22:29	
61419-8A	Cu	257.79071	257.64965	257.93176	0.07737	ug/L	09/24/10	22:29	
61419-8A	Fe	1048.45556	1035.29504	1061.61621	1.77517	ug/L	09/24/10	22:29	
61419-8A	2Fe	1.04854	1.03538	1.06169	1.77485	mg/L	09/24/10	22:29	
61419-8A	K	6033.35937	6029.97216	6036.74707	0.07940	ug/L	09/24/10	22:29	
61419-8A	Mg	5615.61328	5608.65722	5622.56884	0.17517	ug/L	09/24/10	22:29	
61419-8A	2Mg	5.61408	5.60713	5.62103	0.17511	mg/L	09/24/10	22:29	
61419-8A	Mn	520.42272	520.30291	520.54254	0.03255	ug/L	09/24/10	22:29	
61419-8A	Mo	507.54760	507.39123	507.70397	0.04357	ug/L	09/24/10	22:29	
61419-8A	Na	130064.71875	130232.69531	129896.75000	0.18263	ug/L	09/24/10	22:29	
61419-8A	Ni	517.66259	516.56658	518.75860	0.29942	ug/L	09/24/10	22:29	
61419-8A	Pb	518.83874	520.79089	516.88653	0.53211	ug/L	09/24/10	22:29	
61419-8A	Se	2105.60986	2103.72753	2107.49218	0.12642	ug/L	09/24/10	22:29	
61419-8A	Sb	497.07403	492.42739	501.72064	1.32199	ug/L	09/24/10	22:29	
61419-8A	Sn	1067.37475	1064.72521	1070.02441	0.35105	ug/L	09/24/10	22:29	
61419-8A	Sr	559.65795	560.29327	559.02264	0.16053	ug/L	09/24/10	22:29	
61419-8A	Ti	1026.31640	1026.25720	1026.37561	0.00815	ug/L	09/24/10	22:29	
61419-8A	Tl	2140.36596	2133.93798	2146.79394	0.42471	ug/L	09/24/10	22:29	
61419-8A	V	512.93627	511.94183	513.93072	0.27417	ug/L	09/24/10	22:29	
61419-8A	Zn	532.11163	530.63964	533.58361	0.39121	ug/L	09/24/10	22:29	
61419-8A	2203/1	523.01135	527.30133	518.72131	1.16001	ug/L	09/24/10	22:29	
61419-8A	2203/2	516.75555	517.54058	515.97052	0.21484	ug/L	09/24/10	22:29	
61419-8A	1960/1	2113.32690	2126.51635	2100.13745	0.88262	ug/L	09/24/10	22:29	
61419-8A	1960/2	2101.75634	2092.34960	2111.16333	0.63296	ug/L	09/24/10	22:29	
61419-8A	Y	1000.63256	998.45904	1002.80603	0.30718		09/24/10	22:29	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61419-9	Ag	-0.72104	-1.60049	0.15840	172.48941	ug/L	09/24/10	22:35	
61419-9	Al	16.01039	14.76199	17.25879	11.02723	ug/L	09/24/10	22:35	
61419-9	2Al	0.01601	0.01476	0.01725	11.02725	mg/L	09/24/10	22:35	
61419-9	As	-2.59283	-3.85172	-1.33393	68.66416	ug/L	09/24/10	22:35	
61419-9	B	8.41124	9.01247	7.81000	10.10886	ug/L	09/24/10	22:35	
61419-9	Ba	18.18898	18.08210	18.29586	0.83099	ug/L	09/24/10	22:35	
61419-9	Be	-0.00744	-0.02395	0.00906	313.49758	ug/L	09/24/10	22:35	
61419-9	Ca	48488.57812	48519.35546	48457.79687	0.08977	ug/L	09/24/10	22:35	
61419-9	Cd	0.17886	0.08191	0.27581	76.65239	ug/L	09/24/10	22:35	
61419-9	Co	-0.20835	0.01183	-0.42854	149.45791	ug/L	09/24/10	22:35	
61419-9	Cr	0.36390	0.27891	0.44890	33.02989	ug/L	09/24/10	22:35	
61419-9	Cu	0.20559	0.01407	0.39711	131.74153	ug/L	09/24/10	22:35	
61419-9	Fe	13.21894	4.50491	21.93296	93.22599	ug/L	09/24/10	22:35	
61419-9	2Fe	0.01321	0.00450	0.02193	93.22438	mg/L	09/24/10	22:35	
61419-9	K	56.21978	42.24448	70.19509	35.15499	ug/L	09/24/10	22:35	
61419-9	Mg	617.74841	621.03845	614.45843	0.75318	ug/L	09/24/10	22:35	
61419-9	2Mg	0.61757	0.62086	0.61428	0.75352	mg/L	09/24/10	22:35	
61419-9	Mn	6.13597	6.16432	6.10763	0.65320	ug/L	09/24/10	22:35	
61419-9	Mo	0.09681	-0.99413	1.18776	1593.59545	ug/L	09/24/10	22:35	
61419-9	Na	119146.15625	119249.82812	119042.47656	0.12305	ug/L	09/24/10	22:35	
61419-9	Ni	-0.13553	-0.39736	0.12629	273.20535	ug/L	09/24/10	22:35	
61419-9	Pb	1.29380	1.56588	1.02171	29.74115	ug/L	09/24/10	22:35	
61419-9	Se	-1.77802	-0.22763	-3.32841	123.31535	ug/L	09/24/10	22:35	
61419-9	Sb	2.79074	5.71959	-0.13810	148.41979	ug/L	09/24/10	22:35	
61419-9	Sn	2.66658	3.51337	1.81980	44.90880	ug/L	09/24/10	22:35	
61419-9	Sr	49.97900	50.03415	49.92384	0.15606	ug/L	09/24/10	22:35	
61419-9	Ti	0.57596	0.71081	0.44110	33.11161	ug/L	09/24/10	22:35	
61419-9	Tl	-5.70427	-8.25912	-3.14941	63.34038	ug/L	09/24/10	22:35	
61419-9	V	2.55812	2.10018	3.01607	25.31671	ug/L	09/24/10	22:35	
61419-9	Zn	0.56544	0.41255	0.71832	38.23767	ug/L	09/24/10	22:35	
61419-9	2203/1	3.77476	3.33861	4.21091	16.34023	ug/L	09/24/10	22:35	
61419-9	2203/2	0.05517	0.68085	-0.57049	1603.58630	ug/L	09/24/10	22:35	
61419-9	1960/1	-2.68812	-4.18326	-1.19299	78.65840	ug/L	09/24/10	22:35	
61419-9	1960/2	-1.32365	1.74720	-4.39451	328.09582	ug/L	09/24/10	22:35	
61419-9	Y	1006.57202	1005.34002	1007.80401	0.17309		09/24/10	22:35	
60742-3	Ag	-0.95481	-0.74138	-1.16823	31.61145	ug/L	09/24/10	22:40	
60742-3	Al	32.58261	29.46085	35.70438	13.54968	ug/L	09/24/10	22:40	
60742-3	2Al	0.03258	0.02946	0.03570	13.54968	mg/L	09/24/10	22:40	
60742-3	As	-3.02339	-1.66383	-4.38295	63.59438	ug/L	09/24/10	22:40	
60742-3	B	11.79527	11.29123	12.29931	6.04332	ug/L	09/24/10	22:40	
60742-3	Ba	9.57168	9.47997	9.66340	1.35511	ug/L	09/24/10	22:40	
60742-3	Be	-0.00580	-0.00473	-0.00687	26.04204	ug/L	09/24/10	22:40	
60742-3	Ca	672.69409	673.84478	671.54339	0.24191	ug/L	09/24/10	22:40	
60742-3	Cd	0.41221	0.60119	0.22323	64.83608	ug/L	09/24/10	22:40	
60742-3	Co	0.36462	0.10897	0.62028	99.15477	ug/L	09/24/10	22:40	
60742-3	Cr	3.66232	3.70946	3.61519	1.82015	ug/L	09/24/10	22:40	
60742-3	Cu	1.53229	1.37813	1.68644	14.22750	ug/L	09/24/10	22:40	
60742-3	Fe	9.22233	9.29084	9.15382	1.05060	ug/L	09/24/10	22:40	
60742-3	2Fe	0.00922	0.00928	0.00915	1.04871	mg/L	09/24/10	22:40	
60742-3	K	63.52393	62.66445	64.38341	1.91342	ug/L	09/24/10	22:40	
60742-3	Mg	111.37864	113.00569	109.75160	2.06591	ug/L	09/24/10	22:40	
60742-3	2Mg	0.11134	0.11297	0.10972	2.06591	mg/L	09/24/10	22:40	
60742-3	Mn	5.58092	5.65650	5.50534	1.91520	ug/L	09/24/10	22:40	
60742-3	Mo	0.25749	0.22684	0.28814	16.83420	ug/L	09/24/10	22:40	
60742-3	Na	116935.23437	116770.82031	117099.65625	0.19884	ug/L	09/24/10	22:40	
60742-3	Ni	0.23667	-0.68565	1.15900	551.12475	ug/L	09/24/10	22:40	
60742-3	Pb	3.71576	3.40567	4.02585	11.80207	ug/L	09/24/10	22:40	
60742-3	Se	2.29319	-0.80813	5.39452	191.25885	ug/L	09/24/10	22:40	
60742-3	Sb	2.46514	1.64958	3.28070	46.78739	ug/L	09/24/10	22:40	
60742-3	Sn	0.03694	0.62923	-0.55534	2267.37377	ug/L	09/24/10	22:40	
60742-3	Sr	3.28745	3.28925	3.28564	0.07770	ug/L	09/24/10	22:40	
60742-3	Ti	0.22322	0.40520	0.04123	115.29915	ug/L	09/24/10	22:40	
60742-3	Tl	-5.80727	-5.49272	-6.12181	7.65995	ug/L	09/24/10	22:40	
60742-3	V	0.04602	-0.34397	0.43601	1198.37390	ug/L	09/24/10	22:40	
60742-3	Zn	42.58721	42.65086	42.52355	0.21138	ug/L	09/24/10	22:40	
60742-3	2203/1	1.88703	0.89322	2.88084	74.48005	ug/L	09/24/10	22:40	
60742-3	2203/2	4.62877	4.66002	4.59751	0.95488	ug/L	09/24/10	22:40	
60742-3	1960/1	2.60437	5.95869	-0.74995	182.14506	ug/L	09/24/10	22:40	
60742-3	1960/2	2.13784	-4.18647	8.46215	418.36291	ug/L	09/24/10	22:40	
60742-3	Y	1009.07800	1005.76702	1012.38903	0.46403		09/24/10	22:40	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60742-3S	Ag	37.28630	37.87315	36.69944	2.22585	ug/L	09/24/10	22:45	
60742-3S	Al	2106.94824	2109.74780	2104.14892	0.18790	ug/L	09/24/10	22:45	
60742-3S	2Al	2.10685	2.10965	2.10405	0.18793	mg/L	09/24/10	22:45	
60742-3S	As	2138.73583	2137.28027	2140.19165	0.09625	ug/L	09/24/10	22:45	
60742-3S	B	1067.14794	1063.19067	1071.10522	0.52442	ug/L	09/24/10	22:45	
60742-3S	Ba	2103.86865	2104.47631	2103.26074	0.04085	ug/L	09/24/10	22:45	
60742-3S	Be	52.89805	52.84862	52.94748	0.13214	ug/L	09/24/10	22:45	
60742-3S	Ca	5920.48046	5921.47314	5919.48828	0.02370	ug/L	09/24/10	22:45	
60742-3S	Cd	54.01682	54.26002	53.77362	0.63671	ug/L	09/24/10	22:45	
60742-3S	Co	533.32971	533.33691	533.32244	0.00191	ug/L	09/24/10	22:45	
60742-3S	Cr	214.79936	215.40008	214.19863	0.39550	ug/L	09/24/10	22:45	
60742-3S	Cu	265.08569	265.41128	264.76013	0.17369	ug/L	09/24/10	22:45	
60742-3S	Fe	1042.62866	1053.36816	1031.88916	1.45669	ug/L	09/24/10	22:45	
60742-3S	2Fe	1.04271	1.05345	1.03198	1.45640	mg/L	09/24/10	22:45	
60742-3S	K	5867.52832	5919.18798	5815.86914	1.24511	ug/L	09/24/10	22:45	
60742-3S	Mg	5402.89111	5403.25000	5402.53222	0.00939	ug/L	09/24/10	22:45	
60742-3S	2Mg	5.40142	5.40178	5.40107	0.00933	mg/L	09/24/10	22:45	
60742-3S	Mn	533.10723	532.65277	533.56170	0.12056	ug/L	09/24/10	22:45	
60742-3S	Mo	522.27691	522.25872	522.29510	0.00492	ug/L	09/24/10	22:45	
60742-3S	Na	123494.16406	123621.08593	123367.24218	0.14534	ug/L	09/24/10	22:45	
60742-3S	Ni	530.18310	531.44384	528.92230	0.33629	ug/L	09/24/10	22:45	
60742-3S	Pb	535.38623	536.31378	534.45861	0.24501	ug/L	09/24/10	22:45	
60742-3S	Se	2153.49267	2152.86108	2154.12402	0.04146	ug/L	09/24/10	22:45	
60742-3S	Sb	512.97076	513.01348	512.92803	0.01177	ug/L	09/24/10	22:45	
60742-3S	Sn	1065.94189	1063.13439	1068.74938	0.37247	ug/L	09/24/10	22:45	
60742-3S	Sr	534.62731	535.27124	533.98345	0.17032	ug/L	09/24/10	22:45	
60742-3S	Ti	723.71459	723.83740	723.59179	0.02399	ug/L	09/24/10	22:45	
60742-3S	Tl	2180.55566	2178.66430	2182.44677	0.12265	ug/L	09/24/10	22:45	
60742-3S	V	521.02325	521.62481	520.42169	0.16328	ug/L	09/24/10	22:45	
60742-3S	Zn	586.08270	586.23168	585.93371	0.03595	ug/L	09/24/10	22:45	
60742-3S	2203/1	539.32073	537.86389	540.77758	0.38201	ug/L	09/24/10	22:45	
60742-3S	2203/2	533.42187	535.53985	531.30389	0.56152	ug/L	09/24/10	22:45	
60742-3S	1960/1	2154.58569	2159.07617	2150.09521	0.29474	ug/L	09/24/10	22:45	
60742-3S	1960/2	2152.94604	2149.75732	2156.13476	0.20945	ug/L	09/24/10	22:45	
60742-3S	Y	1003.89801	1004.30401	1003.49200	0.05719		09/24/10	22:45	
60742-3SD	Ag	36.56048	36.79273	36.32823	0.89837	ug/L	09/24/10	22:50	
60742-3SD	Al	2097.99707	2108.64990	2087.34399	0.71809	ug/L	09/24/10	22:50	
60742-3SD	2Al	2.09808	2.10874	2.08743	0.71808	mg/L	09/24/10	22:50	
60742-3SD	As	2138.64257	2139.48681	2137.79809	0.05583	ug/L	09/24/10	22:50	
60742-3SD	B	1085.30651	1085.65393	1084.95910	0.04526	ug/L	09/24/10	22:50	
60742-3SD	Ba	2096.49755	2093.39941	2099.59594	0.20899	ug/L	09/24/10	22:50	
60742-3SD	Be	52.90065	52.99822	52.80309	0.26082	ug/L	09/24/10	22:50	
60742-3SD	Ca	6009.41894	6016.13818	6002.70019	0.15811	ug/L	09/24/10	22:50	
60742-3SD	Cd	54.41479	54.42189	54.40769	0.01845	ug/L	09/24/10	22:50	
60742-3SD	Co	534.55462	536.51367	532.59558	0.51828	ug/L	09/24/10	22:50	
60742-3SD	Cr	215.83248	216.72805	214.93690	0.58681	ug/L	09/24/10	22:50	
60742-3SD	Cu	265.11938	266.14416	264.09457	0.54665	ug/L	09/24/10	22:50	
60742-3SD	Fe	1028.71630	1038.87243	1018.56024	1.39619	ug/L	09/24/10	22:50	
60742-3SD	2Fe	1.02880	1.03896	1.01865	1.39598	mg/L	09/24/10	22:50	
60742-3SD	K	5893.58398	5866.73291	5920.43457	0.64430	ug/L	09/24/10	22:50	
60742-3SD	Mg	5498.47314	5519.51025	5477.43603	0.54107	ug/L	09/24/10	22:50	
60742-3SD	2Mg	5.49698	5.51801	5.47595	0.54102	mg/L	09/24/10	22:50	
60742-3SD	Mn	533.14672	533.50317	532.79028	0.09454	ug/L	09/24/10	22:50	
60742-3SD	Mo	528.61706	529.52703	527.70715	0.24343	ug/L	09/24/10	22:50	
60742-3SD	Na	123462.50000	122948.03125	123976.96875	0.58930	ug/L	09/24/10	22:50	
60742-3SD	Ni	530.80401	530.48779	531.12023	0.08425	ug/L	09/24/10	22:50	
60742-3SD	Pb	535.95770	536.02001	535.89538	0.01644	ug/L	09/24/10	22:50	
60742-3SD	Se	2146.22216	2146.03027	2146.41406	0.01264	ug/L	09/24/10	22:50	
60742-3SD	Sb	509.07736	507.72186	510.43286	0.37655	ug/L	09/24/10	22:50	
60742-3SD	Sn	1084.42102	1084.40405	1084.43798	0.00221	ug/L	09/24/10	22:50	
60742-3SD	Sr	541.40991	542.06610	540.75372	0.17140	ug/L	09/24/10	22:50	
60742-3SD	Ti	735.28497	735.48992	735.08001	0.03942	ug/L	09/24/10	22:50	
60742-3SD	Tl	2190.81445	2193.17138	2188.45751	0.15214	ug/L	09/24/10	22:50	
60742-3SD	V	521.48266	521.75720	521.20819	0.07444	ug/L	09/24/10	22:50	
60742-3SD	Zn	587.87548	589.57348	586.17742	0.40848	ug/L	09/24/10	22:50	
60742-3SD	2203/1	530.24816	525.36395	535.13232	1.30265	ug/L	09/24/10	22:50	
60742-3SD	2203/2	538.80822	541.34008	536.27636	0.66453	ug/L	09/24/10	22:50	
60742-3SD	1960/1	2147.51025	2150.97363	2144.04711	0.22806	ug/L	09/24/10	22:50	
60742-3SD	1960/2	2145.57836	2143.56176	2147.59497	0.13292	ug/L	09/24/10	22:50	
60742-3SD	Y	1005.48352	1006.74700	1004.22003	0.17770		09/24/10	22:50	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60742-2	Ag	0.47976	0.50536	0.45415	7.54831	ug/L	09/24/10	22:55	
60742-2	Al	711.64642	723.96826	699.32458	2.44864	ug/L	09/24/10	22:55	
60742-2	2Al	0.71167	0.72400	0.69935	2.44864	mg/L	09/24/10	22:55	
60742-2	As	-1.47827	-2.07930	-0.87723	57.49890	ug/L	09/24/10	22:55	
60742-2	B	60.46406	61.33671	59.59140	2.04108	ug/L	09/24/10	22:55	
60742-2	Ba	19.30805	19.40098	19.21511	0.68073	ug/L	09/24/10	22:55	
60742-2	Be	0.02174	0.02601	0.01747	27.77248	ug/L	09/24/10	22:55	
60742-2	Ca	2521.17968	2526.52880	2515.83056	0.30004	ug/L	09/24/10	22:55	
60742-2	Cd	0.24022	0.27180	0.20865	18.58602	ug/L	09/24/10	22:55	
60742-2	Co	0.03898	0.51834	-0.44038	1739.08984	ug/L	09/24/10	22:55	
60742-2	Cr	36.81163	36.59220	37.03105	0.84297	ug/L	09/24/10	22:55	
60742-2	Cu	2.50387	2.72534	2.28239	12.50932	ug/L	09/24/10	22:55	
60742-2	Fe	422.27230	431.41253	413.13208	3.06111	ug/L	09/24/10	22:55	
60742-2	2Fe	0.42221	0.43135	0.41307	3.06119	mg/L	09/24/10	22:55	
60742-2	K	305.84359	316.55761	295.12957	4.95413	ug/L	09/24/10	22:55	
60742-2	Mg	359.87915	364.86807	354.89022	1.96049	ug/L	09/24/10	22:55	
60742-2	2Mg	0.35970	0.36469	0.35472	1.96025	mg/L	09/24/10	22:55	
60742-2	Mn	6.36746	6.45115	6.28376	1.85886	ug/L	09/24/10	22:55	
60742-2	Mo	2.37421	2.54286	2.20555	10.04588	ug/L	09/24/10	22:55	
60742-2	Na	158496.31250	158585.26562	158407.34375	0.07937	ug/L	09/24/10	22:55	
60742-2	Ni	0.29046	1.16209	-0.58115	424.36801	ug/L	09/24/10	22:55	
60742-2	Pb	2.17405	2.02264	2.32545	9.84879	ug/L	09/24/10	22:55	
60742-2	Se	1.08133	-0.14476	2.30742	160.35427	ug/L	09/24/10	22:55	
60742-2	Sb	4.04444	3.92177	4.16711	4.28923	ug/L	09/24/10	22:55	
60742-2	Sn	3.36324	1.35843	5.36805	84.30047	ug/L	09/24/10	22:55	
60742-2	Sr	10.45300	10.50273	10.40326	0.67289	ug/L	09/24/10	22:55	
60742-2	Ti	20.63692	21.84872	19.42512	8.30427	ug/L	09/24/10	22:55	
60742-2	Tl	3.41583	2.16592	4.66575	51.74858	ug/L	09/24/10	22:55	
60742-2	V	1.91532	2.63196	1.19869	52.91370	ug/L	09/24/10	22:55	
60742-2	Zn	95.69882	95.96440	95.43325	0.39246	ug/L	09/24/10	22:55	
60742-2	2203/1	5.67888	0.95820	10.39956	117.55921	ug/L	09/24/10	22:55	
60742-2	2203/2	0.42426	2.55407	-1.70554	709.93548	ug/L	09/24/10	22:55	
60742-2	1960/1	2.43009	-1.40842	6.26862	223.38566	ug/L	09/24/10	22:55	
60742-2	1960/2	0.40795	0.48611	0.32980	27.09436	ug/L	09/24/10	22:55	
60742-2	Y	1007.89154	1004.55603	1011.22705	0.46801		09/24/10	22:55	
61239-16	Ag	-0.06846	-1.13091	0.99399	2194.72973	ug/L	09/24/10	23:00	
61239-16	Al	138.93334	132.18844	145.67823	6.86568	ug/L	09/24/10	23:00	
61239-16	2Al	0.13893	0.13219	0.14568	6.86566	mg/L	09/24/10	23:00	
61239-16	As	5.96129	5.15000	6.77257	19.24633	ug/L	09/24/10	23:00	
61239-16	B	70.12033	69.80916	70.43151	0.62758	ug/L	09/24/10	23:00	
61239-16	Ba	20.45145	20.32125	20.58166	0.90035	ug/L	09/24/10	23:00	
61239-16	Be	0.03355	0.00860	0.05850	105.15025	ug/L	09/24/10	23:00	
61239-16	Ca	152211.15625	152204.35937	152217.95312	0.00631	ug/L	09/24/10	23:00	
61239-16	Cd	5.07537	4.99145	5.15929	2.33847	ug/L	09/24/10	23:00	
61239-16	Co	99.60998	99.30515	99.91482	0.43279	ug/L	09/24/10	23:00	
61239-16	Cr	68.54528	67.76077	69.32980	1.61859	ug/L	09/24/10	23:00	
61239-16	Cu	33.61199	33.02293	34.20104	2.47845	ug/L	09/24/10	23:00	
61239-16	Fe	48.68793	37.39596	59.97990	32.79920	ug/L	09/24/10	23:00	
61239-16	2Fe	0.04871	0.03742	0.06000	32.77867	mg/L	09/24/10	23:00	
61239-16	K	6010.91601	5974.74755	6047.08447	0.85095	ug/L	09/24/10	23:00	
61239-16	Mg	2197.37841	2194.83764	2199.91894	0.16351	ug/L	09/24/10	23:00	
61239-16	2Mg	2.19679	2.19426	2.19933	0.16338	mg/L	09/24/10	23:00	
61239-16	Mn	106.39758	106.40967	106.38548	0.01607	ug/L	09/24/10	23:00	
61239-16	Mo	-0.38578	-0.09379	-0.67778	107.03745	ug/L	09/24/10	23:00	
61239-16	Na	128364.54687	127792.12500	128936.97656	0.63065	ug/L	09/24/10	23:00	
61239-16	Ni	4.24728	3.42246	5.07210	27.46399	ug/L	09/24/10	23:00	
61239-16	Pb	655.86218	654.67425	657.05010	0.25614	ug/L	09/24/10	23:00	
61239-16	Se	0.37767	-2.23315	2.98850	977.62963	ug/L	09/24/10	23:00	
61239-16	Sb	-1.07336	-7.07522	4.92850	790.77929	ug/L	09/24/10	23:00	
61239-16	Sn	-1.71157	-3.15281	-0.27034	119.08411	ug/L	09/24/10	23:00	
61239-16	Sr	159.14628	159.22604	159.06652	0.07087	ug/L	09/24/10	23:00	
61239-16	Ti	1.57873	1.30617	1.85129	24.41578	ug/L	09/24/10	23:00	
61239-16	Tl	-0.60070	-3.57274	2.37132	699.69030	ug/L	09/24/10	23:00	
61239-16	V	0.72374	-0.69942	2.14690	278.09002	ug/L	09/24/10	23:00	
61239-16	Zn	6767.14941	6769.04296	6765.25634	0.03956	ug/L	09/24/10	23:00	
61239-16	2203/1	653.37701	648.52770	658.22631	1.04961	ug/L	09/24/10	23:00	
61239-16	2203/2	657.10302	657.74291	656.46313	0.13771	ug/L	09/24/10	23:00	
61239-16	1960/1	1.82691	-3.42715	7.08098	406.71801	ug/L	09/24/10	23:00	
61239-16	1960/2	-0.34585	-1.63704	0.94533	527.96917	ug/L	09/24/10	23:00	
61239-16	Y	996.23651	996.80700	995.66601	0.08098		09/24/10	23:00	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61241-27	Ag	0.30912	0.93195	-0.31369	284.93478	ug/L	09/24/10	23:06	
61241-27	Al	42.23047	44.38822	40.07273	7.22584	ug/L	09/24/10	23:06	
61241-27	2Al	0.04223	0.04439	0.04007	7.22584	mg/L	09/24/10	23:06	
61241-27	As	440.46508	442.41055	438.51962	0.62463	ug/L	09/24/10	23:06	
61241-27	B	72.35247	72.84065	71.86430	0.95419	ug/L	09/24/10	23:06	
61241-27	Ba	16.13205	16.28981	15.97429	1.38299	ug/L	09/24/10	23:06	
61241-27	Be	-0.02211	-0.01678	-0.02744	34.09917	ug/L	09/24/10	23:06	
61241-27	Ca	4420.86132	4427.99609	4413.72656	0.22823	ug/L	09/24/10	23:06	
61241-27	Cd	7.62512	7.83445	7.41578	3.88251	ug/L	09/24/10	23:06	
61241-27	Co	8.20287	8.44990	7.95584	4.25886	ug/L	09/24/10	23:06	
61241-27	Cr	418.18453	419.17861	417.19046	0.33617	ug/L	09/24/10	23:06	
61241-27	Cu	943.67980	942.95068	944.40899	0.10927	ug/L	09/24/10	23:06	
61241-27	Fe	14.48564	28.53940	0.43189	137.20486	ug/L	09/24/10	23:06	
61241-27	2Fe	0.01448	0.02853	0.00043	137.21142	mg/L	09/24/10	23:06	
61241-27	K	948.05566	974.02423	922.08715	3.87372	ug/L	09/24/10	23:06	
61241-27	Mg	810.75292	814.44885	807.05700	0.64468	ug/L	09/24/10	23:06	
61241-27	2Mg	0.81060	0.81429	0.80691	0.64420	mg/L	09/24/10	23:06	
61241-27	Mn	179.09394	179.24763	178.94026	0.12135	ug/L	09/24/10	23:06	
61241-27	Mo	0.96345	1.12532	0.80157	23.76052	ug/L	09/24/10	23:06	
61241-27	Na	133673.96875	134034.43750	133313.50000	0.38136	ug/L	09/24/10	23:06	
61241-27	Ni	0.13293	1.14972	-0.88386	1081.74768	ug/L	09/24/10	23:06	
61241-27	Pb	153.96609	155.01992	152.91224	0.96797	ug/L	09/24/10	23:06	
61241-27	Se	3.71742	5.73879	1.69605	76.89854	ug/L	09/24/10	23:06	
61241-27	Sb	8.63013	11.19010	6.07015	41.95006	ug/L	09/24/10	23:06	
61241-27	Sn	1.98346	2.66025	1.30667	48.25536	ug/L	09/24/10	23:06	
61241-27	Sr	18.34056	18.42119	18.25994	0.62168	ug/L	09/24/10	23:06	
61241-27	Ti	6.27445	6.15781	6.39108	2.62877	ug/L	09/24/10	23:06	
61241-27	Tl	0.13906	3.64022	-3.36209	3560.46289	ug/L	09/24/10	23:06	
61241-27	V	-0.03168	0.82170	-0.88507	3808.82202	ug/L	09/24/10	23:06	
61241-27	Zn	3310.15795	3317.74414	3302.57177	0.32410	ug/L	09/24/10	23:06	
61241-27	2203/1	157.24717	156.98458	157.50976	0.23616	ug/L	09/24/10	23:06	
61241-27	2203/2	152.32803	154.03909	150.61695	1.58855	ug/L	09/24/10	23:06	
61241-27	1960/1	-0.09492	1.97153	-2.16137	3078.75292	ug/L	09/24/10	23:06	
61241-27	1960/2	5.62073	7.61959	3.62188	50.29253	ug/L	09/24/10	23:06	
61241-27	Y	1007.94055	1006.49505	1009.38604	0.20281		09/24/10	23:06	
61312-1	Ag	-0.89220	-1.34467	-0.43972	71.72068	ug/L	09/24/10	23:11	
61312-1	Al	44.67966	42.79799	46.56133	5.95592	ug/L	09/24/10	23:11	
61312-1	2Al	0.04468	0.04279	0.04656	5.95592	mg/L	09/24/10	23:11	
61312-1	As	-0.23193	-2.14259	1.67872	1165.00964	ug/L	09/24/10	23:11	
61312-1	B	6.20012	6.31708	6.08316	2.66778	ug/L	09/24/10	23:11	
61312-1	Ba	24.84789	24.79156	24.90421	0.32057	ug/L	09/24/10	23:11	
61312-1	Be	0.05598	0.03693	0.07503	48.12490	ug/L	09/24/10	23:11	
61312-1	Ca	25921.44140	25942.26757	25900.61718	0.11361	ug/L	09/24/10	23:11	
61312-1	Cd	1.70602	1.51669	1.89535	15.69443	ug/L	09/24/10	23:11	
61312-1	Co	5.19942	6.00258	4.39626	21.84549	ug/L	09/24/10	23:11	
61312-1	Cr	0.93455	1.10708	0.76201	26.10916	ug/L	09/24/10	23:11	
61312-1	Cu	6.65271	6.84491	6.46051	4.08568	ug/L	09/24/10	23:11	
61312-1	Fe	149.04664	145.14344	152.94984	3.70350	ug/L	09/24/10	23:11	
61312-1	2Fe	0.14902	0.14512	0.15293	3.70326	mg/L	09/24/10	23:11	
61312-1	K	512.76623	512.96569	512.56671	0.05502	ug/L	09/24/10	23:11	
61312-1	Mg	1488.77868	1491.83483	1485.72253	0.29030	ug/L	09/24/10	23:11	
61312-1	2Mg	1.48846	1.49151	1.48540	0.29036	mg/L	09/24/10	23:11	
61312-1	Mn	284.83447	284.94232	284.72659	0.05355	ug/L	09/24/10	23:11	
61312-1	Mo	-0.06179	0.29282	-0.41640	811.59472	ug/L	09/24/10	23:11	
61312-1	Na	115977.32812	116087.92968	115866.73437	0.13486	ug/L	09/24/10	23:11	
61312-1	Ni	16.21318	15.79449	16.63186	3.65202	ug/L	09/24/10	23:11	
61312-1	Pb	117.27361	117.33834	117.20887	0.07806	ug/L	09/24/10	23:11	
61312-1	Se	-0.00291	2.92577	-2.93161	142043.90625	ug/L	09/24/10	23:11	
61312-1	Sb	1.87120	0.57008	3.17233	98.33580	ug/L	09/24/10	23:11	
61312-1	Sn	-2.53958	-4.13635	-0.94282	88.91837	ug/L	09/24/10	23:11	
61312-1	Sr	135.94424	135.83302	136.05546	0.11570	ug/L	09/24/10	23:11	
61312-1	Ti	0.01709	0.23958	-0.20538	1840.18005	ug/L	09/24/10	23:11	
61312-1	Tl	-3.14480	-3.51741	-2.77219	16.75636	ug/L	09/24/10	23:11	
61312-1	V	-0.33122	-0.79235	0.12990	196.88636	ug/L	09/24/10	23:11	
61312-1	Zn	638.15606	638.58050	637.73162	0.09405	ug/L	09/24/10	23:11	
61312-1	2203/1	114.94298	110.68144	119.20452	5.24322	ug/L	09/24/10	23:11	
61312-1	2203/2	118.43717	120.66181	116.21255	2.65634	ug/L	09/24/10	23:11	
61312-1	1960/1	-2.58953	-3.05589	-2.12316	25.46941	ug/L	09/24/10	23:11	
61312-1	1960/2	1.28845	5.91213	-3.33522	507.49755	ug/L	09/24/10	23:11	
61312-1	Y	1002.23901	1001.89605	1002.58203	0.04839		09/24/10	23:11	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61312-2	Ag	-0.52611	-1.25936	0.20713	197.09967	ug/L	09/24/10	23:16	
61312-2	Al	45.05163	40.75715	49.34612	13.48080	ug/L	09/24/10	23:16	
61312-2	2Al	0.04505	0.04075	0.04934	13.48076	mg/L	09/24/10	23:16	
61312-2	As	-1.63729	-1.09167	-2.18291	47.12807	ug/L	09/24/10	23:16	
61312-2	B	4.96524	2.81320	7.11729	61.29506	ug/L	09/24/10	23:16	
61312-2	Ba	28.89220	29.03058	28.75382	0.67735	ug/L	09/24/10	23:16	
61312-2	Be	0.05517	0.05471	0.05564	1.20241	ug/L	09/24/10	23:16	
61312-2	Ca	17463.39453	17451.32031	17475.46679	0.09777	ug/L	09/24/10	23:16	
61312-2	Cd	2.35577	2.41103	2.30050	3.31790	ug/L	09/24/10	23:16	
61312-2	Co	3.18778	3.20474	3.17082	0.75245	ug/L	09/24/10	23:16	
61312-2	Cr	0.03929	-0.44313	0.52172	1736.17102	ug/L	09/24/10	23:16	
61312-2	Cu	23.57379	22.60278	24.54479	5.82516	ug/L	09/24/10	23:16	
61312-2	Fe	137.25177	151.50350	123.00003	14.68469	ug/L	09/24/10	23:16	
61312-2	2Fe	0.13723	0.15148	0.12298	14.68457	mg/L	09/24/10	23:16	
61312-2	K	396.50592	409.64599	383.36581	4.68666	ug/L	09/24/10	23:16	
61312-2	Mg	739.11804	738.51647	739.71966	0.11510	ug/L	09/24/10	23:16	
61312-2	2Mg	0.73899	0.73839	0.73960	0.11557	mg/L	09/24/10	23:16	
61312-2	Mn	243.37963	243.34144	243.41781	0.02218	ug/L	09/24/10	23:16	
61312-2	Mo	-0.83576	-0.09400	-1.57753	125.51483	ug/L	09/24/10	23:16	
61312-2	Na	116712.73437	117124.10156	116301.35937	0.49846	ug/L	09/24/10	23:16	
61312-2	Ni	11.38095	11.18256	11.57933	2.46519	ug/L	09/24/10	23:16	
61312-2	Pb	233.77401	232.68540	234.86260	0.65854	ug/L	09/24/10	23:16	
61312-2	Se	4.59723	8.73669	0.45777	127.33923	ug/L	09/24/10	23:16	
61312-2	Sb	3.03691	2.77673	3.29710	12.11611	ug/L	09/24/10	23:16	
61312-2	Sn	0.19850	-0.68483	1.08184	629.31225	ug/L	09/24/10	23:16	
61312-2	Sr	58.48156	58.47420	58.48892	0.01779	ug/L	09/24/10	23:16	
61312-2	Ti	-0.05150	-0.13932	0.03632	241.15295	ug/L	09/24/10	23:16	
61312-2	Tl	-0.29119	-1.58376	1.00137	627.74987	ug/L	09/24/10	23:16	
61312-2	V	0.20218	0.06164	0.34272	98.30213	ug/L	09/24/10	23:16	
61312-2	Zn	778.21191	776.70697	779.71679	0.27348	ug/L	09/24/10	23:16	
61312-2	2203/1	237.28330	239.43940	235.12721	1.28503	ug/L	09/24/10	23:16	
61312-2	2203/2	232.02198	229.31347	234.73049	1.65088	ug/L	09/24/10	23:16	
61312-2	1960/1	2.21718	7.76722	-3.33285	354.00445	ug/L	09/24/10	23:16	
61312-2	1960/2	5.78547	9.22070	2.35024	83.97154	ug/L	09/24/10	23:16	
61312-2	Y	1000.91253	999.99902	1001.82604	0.12907		09/24/10	23:16	
CCV	Ag	502.39382	504.02090	500.76675	0.45801	ug/L	09/24/10	23:21	
CCV	Al	5035.63183	5046.98046	5024.28320	0.31871	ug/L	09/24/10	23:21	
CCV	2Al	5.03544	5.04679	5.02409	0.31871	mg/L	09/24/10	23:21	
CCV	As	517.56091	514.10229	521.01947	0.94504	ug/L	09/24/10	23:21	
CCV	B	5125.55957	5129.25390	5121.86572	0.10192	ug/L	09/24/10	23:21	
CCV	Ba	4994.97802	5007.30224	4982.65380	0.34893	ug/L	09/24/10	23:21	
CCV	Be	512.20715	513.18762	511.22668	0.27070	ug/L	09/24/10	23:21	
CCV	Ca	5139.73632	5146.25488	5133.21728	0.17936	ug/L	09/24/10	23:21	
CCV	Cd	516.87573	517.73541	516.01605	0.23521	ug/L	09/24/10	23:21	
CCV	Co	511.67654	513.14831	510.20477	0.40678	ug/L	09/24/10	23:21	
CCV	Cr	5091.82958	5101.92919	5081.72998	0.28050	ug/L	09/24/10	23:21	
CCV	Cu	5030.48876	5039.20068	5021.77685	0.24491	ug/L	09/24/10	23:21	
CCV	Fe	5113.74316	5128.09082	5099.39599	0.39677	ug/L	09/24/10	23:21	
CCV	2Fe	5.11373	5.12808	5.09939	0.39677	mg/L	09/24/10	23:21	
CCV	K	9889.62890	9943.42968	9835.82714	0.76935	ug/L	09/24/10	23:21	
CCV	Mg	5173.77783	5187.01611	5160.53955	0.36185	ug/L	09/24/10	23:21	
CCV	2Mg	5.17375	5.18699	5.16051	0.36180	mg/L	09/24/10	23:21	
CCV	Mn	5100.66406	5110.64794	5090.68066	0.27680	ug/L	09/24/10	23:21	
CCV	Mo	504.80041	504.57901	505.02185	0.06203	ug/L	09/24/10	23:21	
CCV	Na	7420.42187	7446.13623	7394.70800	0.49006	ug/L	09/24/10	23:21	
CCV	Ni	2569.56152	2577.20214	2561.92065	0.42052	ug/L	09/24/10	23:21	
CCV	Pb	519.98229	520.97814	518.98645	0.27084	ug/L	09/24/10	23:21	
CCV	Se	5206.50488	5218.70312	5194.30712	0.33132	ug/L	09/24/10	23:21	
CCV	Sb	508.44903	508.09082	508.80722	0.09963	ug/L	09/24/10	23:21	
CCV	Sn	5145.93994	5156.98925	5134.89062	0.30365	ug/L	09/24/10	23:21	
CCV	Sr	2522.01611	2519.42285	2524.60961	0.14542	ug/L	09/24/10	23:21	
CCV	Ti	502.41436	503.14154	501.68716	0.20469	ug/L	09/24/10	23:21	
CCV	Tl	5142.41992	5142.17187	5142.66796	0.00682	ug/L	09/24/10	23:21	
CCV	V	5071.10644	5081.46875	5060.74414	0.28898	ug/L	09/24/10	23:21	
CCV	Zn	2582.96972	2588.30566	2577.63403	0.29214	ug/L	09/24/10	23:21	
CCV	2203/1	523.49340	524.36981	522.61700	0.23675	ug/L	09/24/10	23:21	
CCV	2203/2	518.22491	519.28039	517.16943	0.28803	ug/L	09/24/10	23:21	
CCV	1960/1	5197.93945	5202.60839	5193.27001	0.12703	ug/L	09/24/10	23:21	
CCV	1960/2	5210.78173	5226.73876	5194.82470	0.43307	ug/L	09/24/10	23:21	
CCV	Y	1013.30603	1011.70300	1014.90905	0.22372		09/24/10	23:21	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-1.29663	-2.36168	-0.23158	116.16285	ug/L	09/24/10	23:26	
CCB	Al	6.05451	3.72538	8.38363	54.40378	ug/L	09/24/10	23:26	
CCB	2Al	0.00605	0.00372	0.00838	54.40362	mg/L	09/24/10	23:26	
CCB	As	-0.31928	-1.07368	0.43512	334.15469	ug/L	09/24/10	23:26	
CCB	B	9.93267	10.58862	9.27672	9.33945	ug/L	09/24/10	23:26	
CCB	Ba	1.01745	0.35512	1.67978	92.06067	ug/L	09/24/10	23:26	
CCB	Be	0.08121	0.01209	0.15033	120.36443	ug/L	09/24/10	23:26	
CCB	Ca	2.83823	0.97745	4.69902	92.71781	ug/L	09/24/10	23:26	
CCB	Cd	0.27720	0.18139	0.37301	48.87942	ug/L	09/24/10	23:26	
CCB	Co	-0.08375	-0.10648	-0.06102	38.38057	ug/L	09/24/10	23:26	
CCB	Cr	1.10623	0.41041	1.80205	88.95349	ug/L	09/24/10	23:26	
CCB	Cu	1.09617	0.10649	2.08585	127.68160	ug/L	09/24/10	23:26	
CCB	Fe	4.85084	-8.12223	17.82393	378.21652	ug/L	09/24/10	23:26	
CCB	2Fe	0.00485	-0.00812	0.01782	378.21081	mg/L	09/24/10	23:26	
CCB	K	8.01695	-7.00786	23.04177	265.04202	ug/L	09/24/10	23:26	
CCB	Mg	2.51497	-1.26609	6.29604	212.61613	ug/L	09/24/10	23:26	
CCB	2Mg	0.00251	-0.00126	0.00629	212.53538	mg/L	09/24/10	23:26	
CCB	Mn	1.02279	0.43831	1.60727	80.81593	ug/L	09/24/10	23:26	
CCB	Mo	-1.30505	-1.17917	-1.43093	13.64062	ug/L	09/24/10	23:26	
CCB	Na	63.15710	14.36217	111.95204	109.26158	ug/L	09/24/10	23:26	
CCB	Ni	0.08493	0.08340	0.08645	2.53695	ug/L	09/24/10	23:26	
CCB	Pb	0.83470	1.07992	0.58949	41.54584	ug/L	09/24/10	23:26	
CCB	Se	4.57981	4.51667	4.64296	1.94984	ug/L	09/24/10	23:26	
CCB	Sb	2.56905	1.60467	3.53343	53.08729	ug/L	09/24/10	23:26	
CCB	Sn	3.88963	2.52146	5.25779	49.74452	ug/L	09/24/10	23:26	
CCB	Sr	0.52122	0.22219	0.82025	81.13335	ug/L	09/24/10	23:26	
CCB	Ti	0.23734	0.24667	0.22801	5.55848	ug/L	09/24/10	23:26	
CCB	Tl	3.24732	0.54822	5.94642	117.54598	ug/L	09/24/10	23:26	
CCB	V	1.46395	0.41203	2.51587	101.61748	ug/L	09/24/10	23:26	
CCB	Zn	0.28117	-0.10040	0.66275	191.92202	ug/L	09/24/10	23:26	
CCB	2203/1	2.74237	-0.96933	6.45407	191.40881	ug/L	09/24/10	23:26	
CCB	2203/2	-0.11769	2.10301	-2.33840	2668.35400	ug/L	09/24/10	23:26	
CCB	1960/1	1.90007	-5.79557	9.59572	572.78308	ug/L	09/24/10	23:26	
CCB	1960/2	5.91768	9.66507	2.17029	89.55538	ug/L	09/24/10	23:26	
CCB	Y	1014.34558	1012.99804	1015.69305	0.18787		09/24/10	23:26	
61312-3	Ag	-0.42299	-0.69944	-0.14655	92.42436	ug/L	09/24/10	23:32	
61312-3	Al	37.86110	32.22524	43.49696	21.05144	ug/L	09/24/10	23:32	
61312-3	2Al	0.03786	0.03222	0.04349	21.05140	mg/L	09/24/10	23:32	
61312-3	As	-3.45856	-3.80066	-3.11647	13.98823	ug/L	09/24/10	23:32	
61312-3	B	8.87612	8.43198	9.32026	7.07639	ug/L	09/24/10	23:32	
61312-3	Ba	27.12772	27.09086	27.16458	0.19213	ug/L	09/24/10	23:32	
61312-3	Be	0.08262	0.04590	0.11934	62.85520	ug/L	09/24/10	23:32	
61312-3	Ca	18120.00390	18098.49218	18141.51757	0.16790	ug/L	09/24/10	23:32	
61312-3	Cd	4.38513	4.25341	4.51685	4.24795	ug/L	09/24/10	23:32	
61312-3	Co	5.27009	5.48595	5.05422	5.79274	ug/L	09/24/10	23:32	
61312-3	Cr	0.47603	0.20358	0.74847	80.93824	ug/L	09/24/10	23:32	
61312-3	Cu	32.26492	32.79619	31.73364	2.32864	ug/L	09/24/10	23:32	
61312-3	Fe	61.01641	52.77370	69.25912	19.10461	ug/L	09/24/10	23:32	
61312-3	2Fe	0.06101	0.05276	0.06925	19.10406	mg/L	09/24/10	23:32	
61312-3	K	542.62475	524.56549	560.68395	4.70668	ug/L	09/24/10	23:32	
61312-3	Mg	693.47717	689.06317	697.89123	0.90015	ug/L	09/24/10	23:32	
61312-3	2Mg	0.69343	0.68902	0.69784	0.89967	mg/L	09/24/10	23:32	
61312-3	Mn	365.74877	365.50479	365.99276	0.09434	ug/L	09/24/10	23:32	
61312-3	Mo	-0.60362	-0.47610	-0.73115	29.87771	ug/L	09/24/10	23:32	
61312-3	Na	118018.75000	117469.03125	118568.46093	0.65872	ug/L	09/24/10	23:32	
61312-3	Ni	16.88401	17.07175	16.69627	1.57249	ug/L	09/24/10	23:32	
61312-3	Pb	178.50579	178.45637	178.55522	0.03915	ug/L	09/24/10	23:32	
61312-3	Se	3.23286	1.38713	5.07859	80.74115	ug/L	09/24/10	23:32	
61312-3	Sb	1.29746	-2.04016	4.63509	363.79626	ug/L	09/24/10	23:32	
61312-3	Sn	1.46004	3.35799	-0.43790	183.83746	ug/L	09/24/10	23:32	
61312-3	Sr	53.50581	53.51867	53.49294	0.03400	ug/L	09/24/10	23:32	
61312-3	Ti	0.20149	0.12533	0.27764	53.45058	ug/L	09/24/10	23:32	
61312-3	Tl	-4.85271	-6.14281	-3.56261	37.59700	ug/L	09/24/10	23:32	
61312-3	V	0.57492	-0.11141	1.26126	168.82714	ug/L	09/24/10	23:32	
61312-3	Zn	1311.18017	1308.56188	1313.79846	0.28240	ug/L	09/24/10	23:32	
61312-3	2203/1	181.42260	176.59391	186.25131	3.76403	ug/L	09/24/10	23:32	
61312-3	2203/2	177.04959	179.38621	174.71295	1.86642	ug/L	09/24/10	23:32	
61312-3	1960/1	2.03822	-3.68279	7.75925	396.94989	ug/L	09/24/10	23:32	
61312-3	1960/2	3.82929	3.91830	3.74028	3.28735	ug/L	09/24/10	23:32	
61312-3	Y	1016.64855	1017.59704	1015.70001	0.13194		09/24/10	23:32	

0092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61312-4	Ag	0.00391	0.15432	-0.14648	5430.23925	ug/L	09/24/10	23:37	
61312-4	Al	38.99951	33.90743	44.09159	18.46508	ug/L	09/24/10	23:37	
61312-4	2Al	0.03900	0.03390	0.04409	18.46508	mg/L	09/24/10	23:37	
61312-4	As	-2.28409	-3.83178	-0.73640	95.82619	ug/L	09/24/10	23:37	
61312-4	B	8.69047	8.68899	8.69195	0.02410	ug/L	09/24/10	23:37	
61312-4	Ba	20.28274	20.16530	20.40018	0.81885	ug/L	09/24/10	23:37	
61312-4	Be	0.07490	0.05528	0.09453	37.04136	ug/L	09/24/10	23:37	
61312-4	Ca	27986.36718	27964.61328	28008.11914	0.10992	ug/L	09/24/10	23:37	
61312-4	Cd	1.99543	1.85914	2.13172	9.65892	ug/L	09/24/10	23:37	
61312-4	Co	4.80815	4.30342	5.31289	14.84564	ug/L	09/24/10	23:37	
61312-4	Cr	0.64773	0.51311	0.78235	29.39172	ug/L	09/24/10	23:37	
61312-4	Cu	9.27333	9.16395	9.38271	1.66812	ug/L	09/24/10	23:37	
61312-4	Fe	157.82568	150.44450	165.20686	6.61398	ug/L	09/24/10	23:37	
61312-4	2Fe	0.15780	0.15042	0.16518	6.61409	mg/L	09/24/10	23:37	
61312-4	K	568.05072	547.34332	588.75811	5.15529	ug/L	09/24/10	23:37	
61312-4	Mg	1394.01635	1391.31433	1396.71838	0.27411	ug/L	09/24/10	23:37	
61312-4	2Mg	1.39374	1.39104	1.39644	0.27396	mg/L	09/24/10	23:37	
61312-4	Mn	335.79901	335.69531	335.90270	0.04367	ug/L	09/24/10	23:37	
61312-4	Mo	-0.15947	-0.66930	0.35035	452.11453	ug/L	09/24/10	23:37	
61312-4	Na	119985.04687	119907.03125	120063.07031	0.09195	ug/L	09/24/10	23:37	
61312-4	Ni	12.81486	12.61994	13.00977	2.15108	ug/L	09/24/10	23:37	
61312-4	Pb	92.57060	92.15641	92.98480	0.63277	ug/L	09/24/10	23:37	
61312-4	Se	-0.11468	-0.59704	0.36768	594.82434	ug/L	09/24/10	23:37	
61312-4	Sb	0.63660	-2.78814	4.06134	760.80908	ug/L	09/24/10	23:37	
61312-4	Sn	0.60881	-0.26771	1.48535	203.60864	ug/L	09/24/10	23:37	
61312-4	Sr	92.53985	92.62049	92.45922	0.12322	ug/L	09/24/10	23:37	
61312-4	Ti	0.23148	0.16370	0.29926	41.40859	ug/L	09/24/10	23:37	
61312-4	Tl	-0.98985	1.45038	-3.43009	348.63854	ug/L	09/24/10	23:37	
61312-4	V	-0.54313	-0.86422	-0.22203	83.60688	ug/L	09/24/10	23:37	
61312-4	Zn	719.49047	718.76806	720.21289	0.14199	ug/L	09/24/10	23:37	
61312-4	2203/1	95.83961	101.27848	90.40073	8.02563	ug/L	09/24/10	23:37	
61312-4	2203/2	90.93855	87.60220	94.27490	5.18846	ug/L	09/24/10	23:37	
61312-4	1960/1	1.05701	5.29650	-3.18246	567.21270	ug/L	09/24/10	23:37	
61312-4	1960/2	-0.69965	-3.53940	2.14009	573.99829	ug/L	09/24/10	23:37	
61312-4	Y	1013.89050	1012.18603	1015.59503	0.23774		09/24/10	23:37	
61312-5	Ag	-0.76247	-0.52778	-0.99716	43.52991	ug/L	09/24/10	23:42	
61312-5	Al	26.55593	28.94550	24.16636	12.72544	ug/L	09/24/10	23:42	
61312-5	2Al	0.02655	0.02894	0.02416	12.72544	mg/L	09/24/10	23:42	
61312-5	As	0.03380	-1.01703	1.08465	4395.87500	ug/L	09/24/10	23:42	
61312-5	B	7.25873	7.48739	7.03007	4.45495	ug/L	09/24/10	23:42	
61312-5	Ba	29.11724	29.07038	29.16410	0.22760	ug/L	09/24/10	23:42	
61312-5	Be	0.05845	0.07277	0.04413	34.64886	ug/L	09/24/10	23:42	
61312-5	Ca	30330.74218	30333.23828	30328.24414	0.01164	ug/L	09/24/10	23:42	
61312-5	Cd	1.67228	1.57847	1.76609	7.93305	ug/L	09/24/10	23:42	
61312-5	Co	3.79105	3.91565	3.66646	4.64791	ug/L	09/24/10	23:42	
61312-5	Cr	0.27476	0.34420	0.20533	35.73773	ug/L	09/24/10	23:42	
61312-5	Cu	2.32010	1.92620	2.71401	24.01034	ug/L	09/24/10	23:42	
61312-5	Fe	44.08322	43.70580	44.46064	1.21078	ug/L	09/24/10	23:42	
61312-5	2Fe	0.04407	0.04370	0.04445	1.21067	mg/L	09/24/10	23:42	
61312-5	K	570.43273	581.64221	559.22332	2.77903	ug/L	09/24/10	23:42	
61312-5	Mg	1969.97827	1970.52539	1969.43115	0.03927	ug/L	09/24/10	23:42	
61312-5	2Mg	1.96955	1.97010	1.96901	0.03928	mg/L	09/24/10	23:42	
61312-5	Mn	316.73974	316.77328	316.70620	0.01497	ug/L	09/24/10	23:42	
61312-5	Mo	-0.73394	-1.11820	-0.34969	74.04070	ug/L	09/24/10	23:42	
61312-5	Na	118480.31250	118468.07812	118492.53906	0.01459	ug/L	09/24/10	23:42	
61312-5	Ni	10.72689	10.93831	10.51547	2.78734	ug/L	09/24/10	23:42	
61312-5	Pb	53.71659	54.44770	52.98548	1.92481	ug/L	09/24/10	23:42	
61312-5	Se	2.36891	2.73773	2.00008	22.01831	ug/L	09/24/10	23:42	
61312-5	Sb	5.41991	5.15141	5.68840	7.00576	ug/L	09/24/10	23:42	
61312-5	Sn	1.73024	1.49073	1.96974	19.57604	ug/L	09/24/10	23:42	
61312-5	Sr	129.78964	129.82023	129.75904	0.03333	ug/L	09/24/10	23:42	
61312-5	Ti	-0.19102	-0.24073	-0.14131	36.80229	ug/L	09/24/10	23:42	
61312-5	Tl	2.56940	0.43198	4.70683	117.64481	ug/L	09/24/10	23:42	
61312-5	V	0.62414	0.48933	0.75896	30.54648	ug/L	09/24/10	23:42	
61312-5	Zn	339.19085	338.74157	339.64010	0.18731	ug/L	09/24/10	23:42	
61312-5	2203/1	55.32560	55.31885	55.33235	0.01725	ug/L	09/24/10	23:42	
61312-5	2203/2	52.91329	54.01278	51.81380	2.93859	ug/L	09/24/10	23:42	
61312-5	1960/1	3.86084	3.41252	4.30916	16.42180	ug/L	09/24/10	23:42	
61312-5	1960/2	1.62406	2.40084	0.84728	67.64114	ug/L	09/24/10	23:42	
61312-5	Y	1012.25952	1010.03002	1014.48901	0.31147		09/24/10	23:42	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61312-6	Ag	-0.82679	-0.86927	-0.78432	7.26517	ug/L	09/24/10	23:47	
61312-6	Al	31.34693	32.02210	30.67176	3.04602	ug/L	09/24/10	23:47	
61312-6	2Al	0.03134	0.03202	0.03067	3.04602	mg/L	09/24/10	23:47	
61312-6	As	-1.83930	-0.12443	-3.55417	131.85360	ug/L	09/24/10	23:47	
61312-6	B	7.75858	7.52479	7.99237	4.26138	ug/L	09/24/10	23:47	
61312-6	Ba	13.66123	13.76876	13.55370	1.11316	ug/L	09/24/10	23:47	
61312-6	Be	0.09255	0.10750	0.07761	22.82890	ug/L	09/24/10	23:47	
61312-6	Ca	32620.91015	32624.38671	32617.43554	0.01506	ug/L	09/24/10	23:47	
61312-6	Cd	1.06225	1.08451	1.03998	2.96397	ug/L	09/24/10	23:47	
61312-6	Co	6.57545	6.74636	6.40454	3.67582	ug/L	09/24/10	23:47	
61312-6	Cr	0.45788	0.47572	0.44003	5.51100	ug/L	09/24/10	23:47	
61312-6	Cu	1.01744	0.93523	1.09964	11.42611	ug/L	09/24/10	23:47	
61312-6	Fe	268.65209	267.51284	269.79138	0.59972	ug/L	09/24/10	23:47	
61312-6	2Fe	0.26862	0.26748	0.26975	0.59965	mg/L	09/24/10	23:47	
61312-6	K	524.81072	542.00292	507.61856	4.63279	ug/L	09/24/10	23:47	
61312-6	Mg	1837.75659	1839.74536	1835.76782	0.15304	ug/L	09/24/10	23:47	
61312-6	2Mg	1.83734	1.83933	1.83535	0.15305	mg/L	09/24/10	23:47	
61312-6	Mn	341.78771	342.12744	341.44799	0.14056	ug/L	09/24/10	23:47	
61312-6	Mo	-0.34865	0.03203	-0.72933	154.41479	ug/L	09/24/10	23:47	
61312-6	Na	119006.90625	119212.53906	118801.26562	0.24436	ug/L	09/24/10	23:47	
61312-6	Ni	22.73945	23.10167	22.37723	2.25273	ug/L	09/24/10	23:47	
61312-6	Pb	33.62498	33.32997	33.91998	1.24074	ug/L	09/24/10	23:47	
61312-6	Se	0.73763	4.59559	-3.12031	739.65332	ug/L	09/24/10	23:47	
61312-6	Sb	1.86079	2.51999	1.20158	50.10013	ug/L	09/24/10	23:47	
61312-6	Sn	1.94422	4.29112	-0.40268	170.71260	ug/L	09/24/10	23:47	
61312-6	Sr	126.38087	126.56557	126.19616	0.20668	ug/L	09/24/10	23:47	
61312-6	Ti	0.15588	0.16489	0.14687	8.17170	ug/L	09/24/10	23:47	
61312-6	Tl	-3.07164	-1.48979	-4.65349	72.82971	ug/L	09/24/10	23:47	
61312-6	V	0.12079	0.64467	-0.40307	613.31250	ug/L	09/24/10	23:47	
61312-6	Zn	519.10284	519.38677	518.81890	0.07735	ug/L	09/24/10	23:47	
61312-6	2203/1	34.91952	36.44968	33.38936	6.19703	ug/L	09/24/10	23:47	
61312-6	2203/2	32.97867	31.77245	34.18489	5.17259	ug/L	09/24/10	23:47	
61312-6	1960/1	1.73958	5.23524	-1.75607	284.18286	ug/L	09/24/10	23:47	
61312-6	1960/2	0.23741	4.27624	-3.80141	2405.81225	ug/L	09/24/10	23:47	
61312-6	Y	1017.83850	1016.73602	1018.94104	0.15318		09/24/10	23:47	
61312-7	Ag	-0.86917	-0.74162	-0.99673	20.75411	ug/L	09/24/10	23:52	
61312-7	Al	26.69103	28.13623	25.24584	7.65729	ug/L	09/24/10	23:52	
61312-7	2Al	0.02669	0.02813	0.02524	7.65729	mg/L	09/24/10	23:52	
61312-7	As	2.06008	4.06950	0.05065	137.94389	ug/L	09/24/10	23:52	
61312-7	B	7.72885	7.28202	8.17569	8.17614	ug/L	09/24/10	23:52	
61312-7	Ba	13.53260	13.51490	13.55031	0.18505	ug/L	09/24/10	23:52	
61312-7	Be	0.09668	0.09226	0.10111	6.47174	ug/L	09/24/10	23:52	
61312-7	Ca	30195.35546	30220.59375	30170.11718	0.11820	ug/L	09/24/10	23:52	
61312-7	Cd	0.70563	0.72838	0.68287	4.56139	ug/L	09/24/10	23:52	
61312-7	Co	6.04295	6.52664	5.55926	11.31964	ug/L	09/24/10	23:52	
61312-7	Cr	0.46036	0.30918	0.61153	46.44181	ug/L	09/24/10	23:52	
61312-7	Cu	0.89186	1.06936	0.71436	28.14524	ug/L	09/24/10	23:52	
61312-7	Fe	1324.40039	1322.51574	1326.28491	0.20123	ug/L	09/24/10	23:52	
61312-7	2Fe	1.32423	1.32235	1.32611	0.20121	mg/L	09/24/10	23:52	
61312-7	K	531.53491	544.52972	518.54016	3.45742	ug/L	09/24/10	23:52	
61312-7	Mg	1468.88464	1473.92163	1463.84765	0.48495	ug/L	09/24/10	23:52	
61312-7	2Mg	1.46841	1.47345	1.46338	0.48501	mg/L	09/24/10	23:52	
61312-7	Mn	394.27182	394.53811	394.00552	0.09551	ug/L	09/24/10	23:52	
61312-7	Mo	-1.08074	-0.35028	-1.81120	95.58440	ug/L	09/24/10	23:52	
61312-7	Na	117208.34375	117153.97656	117262.71875	0.06560	ug/L	09/24/10	23:52	
61312-7	Ni	22.99561	22.87125	23.11997	0.76483	ug/L	09/24/10	23:52	
61312-7	Pb	60.16410	57.66587	62.66232	5.87231	ug/L	09/24/10	23:52	
61312-7	Se	0.48462	0.95245	0.01679	136.52113	ug/L	09/24/10	23:52	
61312-7	Sb	0.48748	0.42864	0.54632	17.07058	ug/L	09/24/10	23:52	
61312-7	Sn	0.29322	-0.30101	0.88745	286.60250	ug/L	09/24/10	23:52	
61312-7	Sr	110.81626	110.74221	110.89030	0.09449	ug/L	09/24/10	23:52	
61312-7	Ti	-0.16162	-0.04874	-0.27451	98.77490	ug/L	09/24/10	23:52	
61312-7	Tl	-2.50989	-1.07759	-3.94220	80.70362	ug/L	09/24/10	23:52	
61312-7	V	-0.41308	-0.36744	-0.45872	15.62480	ug/L	09/24/10	23:52	
61312-7	Zn	548.21722	548.86834	547.56610	0.16796	ug/L	09/24/10	23:52	
61312-7	2203/1	58.36135	55.77195	60.95075	6.27463	ug/L	09/24/10	23:52	
61312-7	2203/2	61.06411	58.61141	63.51682	5.68034	ug/L	09/24/10	23:52	
61312-7	1960/1	-1.43498	-1.75938	-1.11058	31.97055	ug/L	09/24/10	23:52	
61312-7	1960/2	1.44298	2.30633	0.57963	84.61362	ug/L	09/24/10	23:52	
61312-7	Y	1013.95355	1011.33905	1016.56805	0.36465		09/24/10	23:52	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61260-1	Ag	-0.63476	-0.78432	-0.48521	33.32001	ug/L	09/24/10	23:58	
61260-1	Al	15.41956	14.43263	16.40649	9.05170	ug/L	09/24/10	23:58	
61260-1	2Al	0.01542	0.01443	0.01640	9.05170	mg/L	09/24/10	23:58	
61260-1	As	-2.94712	-3.81291	-2.08133	41.54580	ug/L	09/24/10	23:58	
61260-1	B	4.30982	4.55038	4.06926	7.89360	ug/L	09/24/10	23:58	
61260-1	Ba	7.69831	7.66803	7.72859	0.55620	ug/L	09/24/10	23:58	
61260-1	Be	0.00623	0.01424	-0.00176	181.38912	ug/L	09/24/10	23:58	
61260-1	Ca	52634.75390	52626.92968	52642.57812	0.02102	ug/L	09/24/10	23:58	
61260-1	Cd	-0.18147	-0.33841	-0.02453	122.30433	ug/L	09/24/10	23:58	
61260-1	Co	-0.29329	-0.45813	-0.12845	79.48214	ug/L	09/24/10	23:58	
61260-1	Cr	0.27614	0.03792	0.51435	121.99789	ug/L	09/24/10	23:58	
61260-1	Cu	0.46842	0.09977	0.83707	111.29771	ug/L	09/24/10	23:58	
61260-1	Fe	-4.27335	-14.87917	6.33246	350.98666	ug/L	09/24/10	23:58	
61260-1	2Fe	-0.00427	-0.01487	0.00633	350.97888	mg/L	09/24/10	23:58	
61260-1	K	22.76470	14.61588	30.91353	50.62300	ug/L	09/24/10	23:58	
61260-1	Mg	462.15325	465.68429	458.62222	1.08051	ug/L	09/24/10	23:58	
61260-1	2Mg	0.46202	0.46555	0.45849	1.08106	mg/L	09/24/10	23:58	
61260-1	Mn	8.06340	8.01405	8.11274	0.86540	ug/L	09/24/10	23:58	
61260-1	Mo	-1.24909	-1.82811	-0.67008	65.55548	ug/L	09/24/10	23:58	
61260-1	Na	119090.25000	119306.78906	118873.71875	0.25713	ug/L	09/24/10	23:58	
61260-1	Ni	-0.20794	-0.68644	0.27055	325.42602	ug/L	09/24/10	23:58	
61260-1	Pb	2.12288	0.39694	3.84881	114.97749	ug/L	09/24/10	23:58	
61260-1	Se	3.38173	2.29594	4.46753	45.40708	ug/L	09/24/10	23:58	
61260-1	Sb	-0.73784	-0.99855	-0.47712	49.97146	ug/L	09/24/10	23:58	
61260-1	Sn	-0.47415	-0.68216	-0.26615	62.04001	ug/L	09/24/10	23:58	
61260-1	Sr	58.19119	58.10962	58.27275	0.19822	ug/L	09/24/10	23:58	
61260-1	Ti	0.16668	-0.00787	0.34124	148.10002	ug/L	09/24/10	23:58	
61260-1	Tl	-3.44915	-3.26766	-3.63064	7.44154	ug/L	09/24/10	23:58	
61260-1	V	-0.02104	0.32238	-0.36446	2308.24951	ug/L	09/24/10	23:58	
61260-1	Zn	29.21546	29.20225	29.22867	0.06395	ug/L	09/24/10	23:58	
61260-1	2203/1	3.04933	4.17485	1.92381	52.19921	ug/L	09/24/10	23:58	
61260-1	2203/2	1.66034	-1.48917	4.80987	268.26260	ug/L	09/24/10	23:58	
61260-1	1960/1	1.70272	-1.64911	5.05455	278.39059	ug/L	09/24/10	23:58	
61260-1	1960/2	4.21999	4.26551	4.17446	1.52563	ug/L	09/24/10	23:58	
61260-1	Y	1008.46203	1006.27105	1010.65301	0.30725		09/24/10	23:58	
61312-8	Ag	-0.99791	-0.86966	-1.12617	18.17562	ug/L	09/25/10	00:03	
61312-8	Al	38.32387	36.31446	40.33328	7.41505	ug/L	09/25/10	00:03	
61312-8	2Al	0.03832	0.03631	0.04033	7.41505	mg/L	09/25/10	00:03	
61312-8	As	-3.01942	-3.47605	-2.56279	21.38729	ug/L	09/25/10	00:03	
61312-8	B	6.28281	6.56115	6.00446	6.26536	ug/L	09/25/10	00:03	
61312-8	Ba	18.73395	18.70903	18.75886	0.18807	ug/L	09/25/10	00:03	
61312-8	Be	0.05479	0.06764	0.04194	33.15545	ug/L	09/25/10	00:03	
61312-8	Ca	36152.81250	36175.90625	36129.72265	0.09032	ug/L	09/25/10	00:03	
61312-8	Cd	0.81793	0.81189	0.82398	1.04468	ug/L	09/25/10	00:03	
61312-8	Co	6.53719	6.33249	6.74189	4.42834	ug/L	09/25/10	00:03	
61312-8	Cr	0.73591	0.54760	0.92423	36.18784	ug/L	09/25/10	00:03	
61312-8	Cu	0.19505	-0.47555	0.86566	486.21478	ug/L	09/25/10	00:03	
61312-8	Fe	373.08987	377.66244	368.51730	1.73325	ug/L	09/25/10	00:03	
61312-8	2Fe	0.37304	0.37761	0.36847	1.73323	mg/L	09/25/10	00:03	
61312-8	K	672.19616	674.63012	669.76214	0.51208	ug/L	09/25/10	00:03	
61312-8	Mg	1623.03930	1624.41857	1621.66015	0.12017	ug/L	09/25/10	00:03	
61312-8	2Mg	1.62271	1.62409	1.62133	0.12011	mg/L	09/25/10	00:03	
61312-8	Mn	440.65744	440.90148	440.41339	0.07832	ug/L	09/25/10	00:03	
61312-8	Mo	-0.63744	-1.11626	-0.15861	106.23070	ug/L	09/25/10	00:03	
61312-8	Na	119965.53125	119950.51562	119980.55468	0.01770	ug/L	09/25/10	00:03	
61312-8	Ni	17.57745	17.43141	17.72348	1.17493	ug/L	09/25/10	00:03	
61312-8	Pb	36.48898	36.06426	36.91370	1.64610	ug/L	09/25/10	00:03	
61312-8	Se	2.71265	1.99230	3.43300	37.55477	ug/L	09/25/10	00:03	
61312-8	Sb	0.85910	1.51217	0.20603	107.50524	ug/L	09/25/10	00:03	
61312-8	Sn	-1.54527	-1.11538	-1.97517	39.34296	ug/L	09/25/10	00:03	
61312-8	Sr	144.16418	144.42265	143.90573	0.25354	ug/L	09/25/10	00:03	
61312-8	Ti	0.10417	0.13353	0.07481	39.86155	ug/L	09/25/10	00:03	
61312-8	Tl	-4.19405	-6.42337	-1.96473	75.17147	ug/L	09/25/10	00:03	
61312-8	V	0.55745	1.05893	0.05597	127.22148	ug/L	09/25/10	00:03	
61312-8	Zn	674.32489	674.53424	674.11553	0.04390	ug/L	09/25/10	00:03	
61312-8	2203/1	36.93981	36.54985	37.32977	1.49293	ug/L	09/25/10	00:03	
61312-8	2203/2	36.26390	35.82183	36.70598	1.72399	ug/L	09/25/10	00:03	
61312-8	1960/1	2.81663	2.98022	2.65304	8.21358	ug/L	09/25/10	00:03	
61312-8	1960/2	2.66073	1.49908	3.82239	61.74345	ug/L	09/25/10	00:03	
61312-8	Y	1011.35656	1012.07403	1010.63903	0.10033		09/25/10	00:03	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	497.38406	498.82312	495.94500	0.40916	ug/L	09/25/10	00:11	
CCV	Al	5019.68798	5021.65185	5017.72412	0.05532	ug/L	09/25/10	00:11	
CCV	2Al	5.01959	5.02165	5.01754	0.05789	mg/L	09/25/10	00:11	
CCV	As	510.60211	513.07434	508.12988	0.68473	ug/L	09/25/10	00:11	
CCV	B	5034.83447	5034.66650	5035.00244	0.00471	ug/L	09/25/10	00:11	
CCV	Ba	4999.45556	5000.30419	4998.60693	0.02400	ug/L	09/25/10	00:11	
CCV	Be	503.98156	504.83010	503.13302	0.23810	ug/L	09/25/10	00:11	
CCV	Ca	5091.97949	5101.99072	5081.96875	0.27803	ug/L	09/25/10	00:11	
CCV	Cd	506.48449	508.61462	504.35440	0.59477	ug/L	09/25/10	00:11	
CCV	Co	505.13183	506.04962	504.21408	0.25694	ug/L	09/25/10	00:11	
CCV	Cr	5028.81201	5038.65966	5018.96435	0.27693	ug/L	09/25/10	00:11	
CCV	Cu	4982.00878	4981.58056	4982.43652	0.01214	ug/L	09/25/10	00:11	
CCV	Fe	5046.78320	5061.00439	5032.56250	0.39850	ug/L	09/25/10	00:11	
CCV	2Fe	5.04678	5.06100	5.03256	0.39848	mg/L	09/25/10	00:11	
CCV	K	10068.14062	10097.58691	10038.69433	0.41361	ug/L	09/25/10	00:11	
CCV	Mg	5097.71630	5119.15429	5076.27832	0.59473	ug/L	09/25/10	00:11	
CCV	2Mg	5.09770	5.11913	5.07626	0.59462	mg/L	09/25/10	00:11	
CCV	Mn	5044.16503	5054.24804	5034.08203	0.28269	ug/L	09/25/10	00:11	
CCV	Mo	497.30200	498.18096	496.42303	0.24995	ug/L	09/25/10	00:11	
CCV	Na	7331.02343	7661.31152	7000.73535	6.37152	ug/L	09/25/10	00:11	
CCV	Ni	2534.63696	2541.75488	2527.51904	0.39714	ug/L	09/25/10	00:11	
CCV	Pb	510.24096	512.46588	508.01608	0.61666	ug/L	09/25/10	00:11	
CCV	Se	5105.29736	5126.51318	5084.08154	0.58769	ug/L	09/25/10	00:11	
CCV	Sb	501.59924	504.86407	498.33441	0.92048	ug/L	09/25/10	00:11	
CCV	Sn	5081.66503	5099.87500	5063.45458	0.50678	ug/L	09/25/10	00:11	
CCV	Sr	2522.75146	2527.97924	2517.52392	0.29305	ug/L	09/25/10	00:11	
CCV	Ti	499.67047	500.06198	499.27899	0.11080	ug/L	09/25/10	00:11	
CCV	Tl	5087.32080	5083.34033	5091.30126	0.11065	ug/L	09/25/10	00:11	
CCV	V	5031.65869	5042.80810	5020.50927	0.31336	ug/L	09/25/10	00:11	
CCV	Zn	2541.98291	2549.74023	2534.22558	0.43157	ug/L	09/25/10	00:11	
CCV	2203/1	512.74627	516.63446	508.85809	1.07240	ug/L	09/25/10	00:11	
CCV	2203/2	508.98577	510.38027	507.59130	0.38745	ug/L	09/25/10	00:11	
CCV	1960/1	5109.80664	5136.79785	5082.81591	0.74701	ug/L	09/25/10	00:11	
CCV	1960/2	5103.04589	5121.37890	5084.71337	0.50805	ug/L	09/25/10	00:11	
CCV	Y	1022.15753	1018.59802	1025.71704	0.49247		09/25/10	00:11	
CCB	Ag	-0.70168	-1.79539	0.39202	220.43281	ug/L	09/25/10	00:17	
CCB	Al	9.85920	8.75022	10.96818	15.90736	ug/L	09/25/10	00:17	
CCB	2Al	0.00985	0.00875	0.01096	15.90744	mg/L	09/25/10	00:17	
CCB	As	-0.25894	-2.71297	2.19509	1340.26574	ug/L	09/25/10	00:17	
CCB	B	6.13512	7.15242	5.11782	23.44984	ug/L	09/25/10	00:17	
CCB	Ba	0.24760	0.02927	0.46594	124.70237	ug/L	09/25/10	00:17	
CCB	Be	0.02022	-0.00522	0.04568	177.98158	ug/L	09/25/10	00:17	
CCB	Ca	1.77526	0.88991	2.66062	70.52929	ug/L	09/25/10	00:17	
CCB	Cd	0.25193	0.05602	0.44784	109.97434	ug/L	09/25/10	00:17	
CCB	Co	-0.12722	0.00899	-0.26343	151.42028	ug/L	09/25/10	00:17	
CCB	Cr	0.55227	0.50292	0.60161	12.63604	ug/L	09/25/10	00:17	
CCB	Cu	0.27094	-0.08294	0.62483	184.71295	ug/L	09/25/10	00:17	
CCB	Fe	-4.32577	-10.03586	1.38432	186.67868	ug/L	09/25/10	00:17	
CCB	2Fe	-0.00432	-0.01003	0.00138	186.67962	mg/L	09/25/10	00:17	
CCB	K	18.02376	0.27836	35.76916	139.23721	ug/L	09/25/10	00:17	
CCB	Mg	1.25721	3.74216	-1.22773	279.52682	ug/L	09/25/10	00:17	
CCB	2Mg	0.00125	0.00374	-0.00122	279.43533	mg/L	09/25/10	00:17	
CCB	Mn	0.24239	0.03463	0.45016	121.21527	ug/L	09/25/10	00:17	
CCB	Mo	0.87889	0.09350	1.66428	126.37528	ug/L	09/25/10	00:17	
CCB	Na	103.34434	-0.04590	206.73460	141.48417	ug/L	09/25/10	00:17	
CCB	Ni	1.15334	0.42056	1.88613	89.85273	ug/L	09/25/10	00:17	
CCB	Pb	1.62855	1.18036	2.07673	38.91977	ug/L	09/25/10	00:17	
CCB	Se	1.20981	0.29255	2.12707	107.22324	ug/L	09/25/10	00:17	
CCB	Sb	3.50375	2.78136	4.22614	29.15768	ug/L	09/25/10	00:17	
CCB	Sn	2.00502	0.74257	3.26747	89.04499	ug/L	09/25/10	00:17	
CCB	Sr	0.17448	0.08292	0.26603	74.20686	ug/L	09/25/10	00:17	
CCB	Ti	0.30552	0.41874	0.19231	52.40530	ug/L	09/25/10	00:17	
CCB	Tl	2.83737	6.10414	-0.42939	162.82325	ug/L	09/25/10	00:17	
CCB	V	0.65663	0.22880	1.08447	92.14356	ug/L	09/25/10	00:17	
CCB	Zn	0.12493	-0.00029	0.25017	141.76029	ug/L	09/25/10	00:17	
CCB	2203/1	1.47205	-1.23058	4.17469	259.64492	ug/L	09/25/10	00:17	
CCB	2203/2	1.70668	2.38403	1.02933	56.12748	ug/L	09/25/10	00:17	
CCB	1960/1	-0.30844	-2.08711	1.47022	815.50866	ug/L	09/25/10	00:17	
CCB	1960/2	1.96780	1.48060	2.45500	35.01386	ug/L	09/25/10	00:17	
CCB	Y	1026.51501	1025.10803	1027.92199	0.19383		09/25/10	00:17	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL	Ag	10.53135	10.20137	10.86133	4.43119	ug/L	09/25/10	00:23	
RL	Al	218.14958	216.85427	219.44488	0.83971	ug/L	09/25/10	00:23	
RL	2Al	0.21815	0.21686	0.21945	0.83971	mg/L	09/25/10	00:23	
RL	As	18.65678	18.03260	19.28096	4.73140	ug/L	09/25/10	00:23	
RL	B	104.74166	105.50640	103.97692	1.03255	ug/L	09/25/10	00:23	
RL	Ba	10.45846	10.16912	10.74779	3.91241	ug/L	09/25/10	00:23	
RL	Be	4.05916	4.02414	4.09419	1.22028	ug/L	09/25/10	00:23	
RL	Ca	520.62072	521.11450	520.12689	0.13413	ug/L	09/25/10	00:23	
RL	Cd	5.61315	5.47393	5.75236	3.50755	ug/L	09/25/10	00:23	
RL	Co	9.89502	10.15805	9.63199	3.75931	ug/L	09/25/10	00:23	
RL	Cr	10.13758	9.75414	10.52101	5.34902	ug/L	09/25/10	00:23	
RL	Cu	21.63086	21.82306	21.43866	1.25660	ug/L	09/25/10	00:23	
RL	Fe	46.96955	46.39452	47.54459	1.73137	ug/L	09/25/10	00:23	
RL	2Fe	0.04696	0.04639	0.04754	1.73117	mg/L	09/25/10	00:23	
RL	K	1034.52526	1011.80004	1057.25048	3.10657	ug/L	09/25/10	00:23	
RL	Mg	522.12609	521.48498	522.76721	0.17364	ug/L	09/25/10	00:23	
RL	2Mg	0.52197	0.52133	0.52261	0.17363	mg/L	09/25/10	00:23	
RL	Mn	10.35556	10.26625	10.44487	1.21964	ug/L	09/25/10	00:23	
RL	Mo	9.77272	9.41372	10.13173	5.19516	ug/L	09/25/10	00:23	
RL	Na	973.89123	765.00091	1182.78161	30.33352	ug/L	09/25/10	00:23	
RL	Ni	41.45434	41.28652	41.62216	0.57251	ug/L	09/25/10	00:23	
RL	Pb	9.52396	9.91342	9.13449	5.78311	ug/L	09/25/10	00:23	
RL	Se	23.71177	21.76313	25.66042	11.62207	ug/L	09/25/10	00:23	
RL	Sb	20.48753	19.25222	21.72284	8.52709	ug/L	09/25/10	00:23	
RL	Sn	54.26113	55.31203	53.21022	2.73898	ug/L	09/25/10	00:23	
RL	Sr	10.49430	10.40719	10.58140	1.17376	ug/L	09/25/10	00:23	
RL	Ti	10.12174	10.17603	10.06744	0.75857	ug/L	09/25/10	00:23	
RL	Tl	30.68425	29.92223	31.44628	3.51212	ug/L	09/25/10	00:23	
RL	V	10.27766	9.58473	10.97059	9.53478	ug/L	09/25/10	00:23	
RL	Zn	22.90224	22.92366	22.88081	0.13232	ug/L	09/25/10	00:23	
RL	2203/1	12.23489	11.48685	12.98293	8.64649	ug/L	09/25/10	00:23	
RL	2203/2	8.17052	9.12788	7.21316	16.57068	ug/L	09/25/10	00:23	
RL	1960/1	24.83963	24.42676	25.25249	2.35059	ug/L	09/25/10	00:23	
RL	1960/2	23.14867	20.43329	25.86405	16.58898	ug/L	09/25/10	00:23	
RL	Y	1024.75097	1026.01098	1023.49102	0.17388		09/25/10	00:23	
ICSA	Ag	-0.42399	-0.10884	-0.73915	105.11682	ug/L	09/25/10	00:28	
ICSA	Al	543150.68750	542985.87500	543315.50000	0.04291	ug/L	09/25/10	00:28	
ICSA	2Al	543.15606	542.99401	543.31811	0.04219	mg/L	09/25/10	00:28	
ICSA	As	-3.68574	-6.12596	-1.24553	93.63053	ug/L	09/25/10	00:28	
ICSA	B	14.08183	14.17881	13.98484	0.97400	ug/L	09/25/10	00:28	
ICSA	Ba	1.40119	1.36828	1.43410	3.32172	ug/L	09/25/10	00:28	
ICSA	Be	0.09862	0.10924	0.08799	15.23901	ug/L	09/25/10	00:28	
ICSA	Ca	557752.75000	557074.68750	558430.87500	0.17193	ug/L	09/25/10	00:28	
ICSA	Cd	1.90170	1.73446	2.06895	12.43743	ug/L	09/25/10	00:28	
ICSA	Co	0.45745	0.63798	0.27691	55.81331	ug/L	09/25/10	00:28	
ICSA	Cr	1.24480	1.49469	0.99492	28.38885	ug/L	09/25/10	00:28	
ICSA	Cu	3.23382	4.01611	2.45153	34.21115	ug/L	09/25/10	00:28	
ICSA	Fe	199302.34375	199011.17187	199593.53125	0.20661	ug/L	09/25/10	00:28	
ICSA	2Fe	199.26995	198.97982	199.56007	0.20589	mg/L	09/25/10	00:28	
ICSA	K	10.35014	1.23314	19.46715	124.57200	ug/L	09/25/10	00:28	
ICSA	Mg	543416.75000	542437.93750	544395.50000	0.25472	ug/L	09/25/10	00:28	
ICSA	2Mg	543.20959	542.23382	544.18542	0.25404	mg/L	09/25/10	00:28	
ICSA	Mn	-0.98421	-0.96579	-1.00263	2.64685	ug/L	09/25/10	00:28	
ICSA	Mo	-0.59540	-1.77565	0.58485	280.33682	ug/L	09/25/10	00:28	
ICSA	Na	77.46087	18.18381	136.73793	108.22291	ug/L	09/25/10	00:28	
ICSA	Ni	0.46198	0.12763	0.79634	102.35115	ug/L	09/25/10	00:28	
ICSA	Pb	-1.57527	-0.79898	-2.35155	69.69173	ug/L	09/25/10	00:28	
ICSA	Se	7.07454	5.88676	8.26233	23.74392	ug/L	09/25/10	00:28	
ICSA	Sb	5.54322	4.53559	6.55084	25.70699	ug/L	09/25/10	00:28	
ICSA	Sn	3.36274	6.06075	0.66474	113.46539	ug/L	09/25/10	00:28	
ICSA	Sr	2.62085	2.61354	2.62817	0.39462	ug/L	09/25/10	00:28	
ICSA	Ti	1.59039	1.86353	1.31726	24.28754	ug/L	09/25/10	00:28	
ICSA	Tl	0.06690	3.86822	-3.73441	8035.02587	ug/L	09/25/10	00:28	
ICSA	V	2.14637	2.19966	2.09308	3.51124	ug/L	09/25/10	00:28	
ICSA	Zn	5.85348	5.44064	6.26632	9.97438	ug/L	09/25/10	00:28	
ICSA	2203/1	56.22888	53.44804	59.00972	6.99410	ug/L	09/25/10	00:28	
ICSA	2203/2	-30.43401	-27.88183	-32.98619	11.85953	ug/L	09/25/10	00:28	
ICSA	1960/1	6.19352	6.13596	6.25108	1.31430	ug/L	09/25/10	00:28	
ICSA	1960/2	7.51439	5.76235	9.26644	32.97354	ug/L	09/25/10	00:28	
ICSA	Y	957.49853	959.00000	955.99700	0.22176		09/25/10	00:28	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB	Ag	213.89646	213.54188	214.25105	0.23443	ug/L	09/25/10	00:33	
ICSAB	Al	538115.25000	538131.12500	538099.37500	0.00417	ug/L	09/25/10	00:33	
ICSAB	2Al	538.09887	538.13543	538.06231	0.00960	mg/L	09/25/10	00:33	
ICSAB	As	102.53208	104.69552	100.36865	2.98400	ug/L	09/25/10	00:33	
ICSAB	B	14.00126	14.41698	13.58553	4.19907	ug/L	09/25/10	00:33	
ICSAB	Ba	544.91564	544.65002	545.18133	0.06894	ug/L	09/25/10	00:33	
ICSAB	Be	527.13500	527.81298	526.45697	0.18189	ug/L	09/25/10	00:33	
ICSAB	Ca	556096.62500	556275.81250	555917.50000	0.04556	ug/L	09/25/10	00:33	
ICSAB	Cd	1005.55578	1009.08538	1002.02618	0.49640	ug/L	09/25/10	00:33	
ICSAB	Co	495.94067	496.57574	495.30563	0.18109	ug/L	09/25/10	00:33	
ICSAB	Cr	504.63421	504.50436	504.76406	0.03639	ug/L	09/25/10	00:33	
ICSAB	Cu	551.48254	552.04895	550.91607	0.14525	ug/L	09/25/10	00:33	
ICSAB	Fe	198824.09375	198787.81250	198860.37500	0.02580	ug/L	09/25/10	00:33	
ICSAB	2Fe	198.78433	198.75569	198.81295	0.02037	mg/L	09/25/10	00:33	
ICSAB	K	37.18869	43.26643	31.11095	23.11246	ug/L	09/25/10	00:33	
ICSAB	Mg	542368.81250	542396.87500	542340.75000	0.00731	ug/L	09/25/10	00:33	
ICSAB	2Mg	542.14099	542.19036	542.09161	0.01288	mg/L	09/25/10	00:33	
ICSAB	Mn	507.68045	507.68405	507.67684	0.00100	ug/L	09/25/10	00:33	
ICSAB	Mo	1005.59204	1005.96453	1005.21954	0.05238	ug/L	09/25/10	00:33	
ICSAB	Na	207.65269	385.64743	29.65795	121.22287	ug/L	09/25/10	00:33	
ICSAB	Ni	986.17443	988.21234	984.13653	0.29224	ug/L	09/25/10	00:33	
ICSAB	Pb	47.53955	46.42478	48.65431	3.31620	ug/L	09/25/10	00:33	
ICSAB	Se	56.59448	55.69702	57.49194	2.24261	ug/L	09/25/10	00:33	
ICSAB	Sb	625.63220	621.52398	629.74047	0.92865	ug/L	09/25/10	00:33	
ICSAB	Sn	1004.00268	1005.89886	1002.10650	0.26709	ug/L	09/25/10	00:33	
ICSAB	Sr	2.60363	2.63894	2.56832	1.91786	ug/L	09/25/10	00:33	
ICSAB	Ti	1.92999	2.01210	1.84788	6.01672	ug/L	09/25/10	00:33	
ICSAB	Tl	102.47266	101.10534	103.83998	1.88701	ug/L	09/25/10	00:33	
ICSAB	V	517.66931	518.65454	516.68408	0.26915	ug/L	09/25/10	00:33	
ICSAB	Zn	1010.36816	1010.98950	1009.74682	0.08696	ug/L	09/25/10	00:33	
ICSAB	2203/1	113.30010	111.21657	115.38363	2.60066	ug/L	09/25/10	00:33	
ICSAB	2203/2	14.70856	14.07746	15.33967	6.06799	ug/L	09/25/10	00:33	
ICSAB	1960/1	63.37885	63.88895	62.86874	1.13823	ug/L	09/25/10	00:33	
ICSAB	1960/2	53.20738	51.60720	54.80757	4.25317	ug/L	09/25/10	00:33	
ICSAB	Y	956.82653	956.69702	956.95605	0.01914		09/25/10	00:33	
CCV	Ag	495.59161	495.84777	495.33544	0.07309	ug/L	09/25/10	00:40	
CCV	Al	5058.31689	5010.01660	5106.61718	1.35038	ug/L	09/25/10	00:40	
CCV	2Al	5.05813	5.01001	5.10625	1.34536	mg/L	09/25/10	00:40	
CCV	As	513.70410	517.90155	509.50662	1.15555	ug/L	09/25/10	00:40	
CCV	B	5059.14062	5068.71630	5049.56494	0.26767	ug/L	09/25/10	00:40	
CCV	Ba	5000.76855	5004.12207	4997.41552	0.09483	ug/L	09/25/10	00:40	
CCV	Be	507.65716	508.25781	507.05654	0.16732	ug/L	09/25/10	00:40	
CCV	Ca	5145.16796	5105.02929	5185.30615	1.10325	ug/L	09/25/10	00:40	
CCV	Cd	510.07489	512.26000	507.88980	0.60583	ug/L	09/25/10	00:40	
CCV	Co	506.73532	507.19555	506.27508	0.12844	ug/L	09/25/10	00:40	
CCV	Cr	5050.07714	5055.18359	5044.97070	0.14299	ug/L	09/25/10	00:40	
CCV	Cu	4978.83203	4988.53808	4969.12597	0.27569	ug/L	09/25/10	00:40	
CCV	Fe	5098.46289	5088.64257	5108.28369	0.27240	ug/L	09/25/10	00:40	
CCV	2Fe	5.09845	5.08863	5.10827	0.27235	mg/L	09/25/10	00:40	
CCV	K	10074.33203	10051.47167	10097.19335	0.32091	ug/L	09/25/10	00:40	
CCV	Mg	5191.75878	5153.53125	5229.98632	1.04130	ug/L	09/25/10	00:40	
CCV	2Mg	5.19171	5.15350	5.22992	1.04089	mg/L	09/25/10	00:40	
CCV	Mn	5060.15625	5065.99511	5054.31738	0.16318	ug/L	09/25/10	00:40	
CCV	Mo	500.15362	498.34448	501.96279	0.51155	ug/L	09/25/10	00:40	
CCV	Na	7439.85839	7469.14111	7410.57568	0.55662	ug/L	09/25/10	00:40	
CCV	Ni	2545.07714	2550.52783	2539.62670	0.30286	ug/L	09/25/10	00:40	
CCV	Pb	513.58605	515.84259	511.32955	0.62135	ug/L	09/25/10	00:40	
CCV	Se	5139.64697	5142.38134	5136.91259	0.07523	ug/L	09/25/10	00:40	
CCV	Sb	506.93170	511.45285	502.41055	1.26128	ug/L	09/25/10	00:40	
CCV	Sn	5103.26025	5112.94775	5093.57275	0.26845	ug/L	09/25/10	00:40	
CCV	Sr	2528.19897	2526.21606	2530.18188	0.11091	ug/L	09/25/10	00:40	
CCV	Ti	500.30718	500.87628	499.73806	0.16086	ug/L	09/25/10	00:40	
CCV	Tl	5117.59082	5109.31591	5125.86523	0.22866	ug/L	09/25/10	00:40	
CCV	V	5040.35156	5046.94238	5033.76074	0.18492	ug/L	09/25/10	00:40	
CCV	Zn	2555.91284	2561.08471	2550.74096	0.28616	ug/L	09/25/10	00:40	
CCV	2203/1	511.65386	514.72814	508.57955	0.84973	ug/L	09/25/10	00:40	
CCV	2203/2	514.54626	516.39453	512.69805	0.50798	ug/L	09/25/10	00:40	
CCV	1960/1	5137.30859	5144.14697	5130.46972	0.18825	ug/L	09/25/10	00:40	
CCV	1960/2	5140.81445	5141.50000	5140.12890	0.01885	ug/L	09/25/10	00:40	
CCV	Y	1029.05603	1031.74401	1026.36804	0.36940		09/25/10	00:40	

D092410

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.21973	-0.82618	0.38671	390.31335	ug/L	09/25/10	00:46	
CCB	Al	15.83901	12.11529	19.56273	33.24785	ug/L	09/25/10	00:46	
CCB	2Al	0.01583	0.01211	0.01956	33.24784	mg/L	09/25/10	00:46	
CCB	As	-0.73686	-0.70961	-0.76411	5.23007	ug/L	09/25/10	00:46	
CCB	B	5.55218	6.12782	4.97653	14.66239	ug/L	09/25/10	00:46	
CCB	Ba	0.38421	0.26993	0.49848	42.06400	ug/L	09/25/10	00:46	
CCB	Be	0.02963	-0.00119	0.06046	147.12715	ug/L	09/25/10	00:46	
CCB	Ca	10.73712	5.79220	15.68205	65.13087	ug/L	09/25/10	00:46	
CCB	Cd	0.34167	0.31137	0.37197	12.54266	ug/L	09/25/10	00:46	
CCB	Co	0.08906	0.42002	-0.24188	525.48345	ug/L	09/25/10	00:46	
CCB	Cr	0.26353	0.23020	0.29685	17.88455	ug/L	09/25/10	00:46	
CCB	Cu	0.43763	0.74438	0.13088	99.12668	ug/L	09/25/10	00:46	
CCB	Fe	5.56174	-14.77347	25.89697	517.07385	ug/L	09/25/10	00:46	
CCB	2Fe	0.00556	-0.01477	0.02589	517.05999	mg/L	09/25/10	00:46	
CCB	K	10.31048	1.27912	19.34184	123.87659	ug/L	09/25/10	00:46	
CCB	Mg	7.43989	3.72708	11.15271	70.57511	ug/L	09/25/10	00:46	
CCB	2Mg	0.00743	0.00372	0.01114	70.51584	mg/L	09/25/10	00:46	
CCB	Mn	0.38193	0.25583	0.50804	46.69228	ug/L	09/25/10	00:46	
CCB	Mo	0.74898	0.46766	1.03030	53.11795	ug/L	09/25/10	00:46	
CCB	Na	-89.79273	-55.38661	-124.19886	54.18880	ug/L	09/25/10	00:46	
CCB	Ni	0.46127	-0.56977	1.49233	316.10668	ug/L	09/25/10	00:46	
CCB	Pb	0.38221	0.49494	0.26948	41.71061	ug/L	09/25/10	00:46	
CCB	Se	5.21061	3.22476	7.19646	53.89804	ug/L	09/25/10	00:46	
CCB	Sb	2.31465	2.86715	1.76215	33.75675	ug/L	09/25/10	00:46	
CCB	Sn	0.76134	3.36549	-1.84280	483.72521	ug/L	09/25/10	00:46	
CCB	Sr	0.17059	0.13533	0.20586	29.23659	ug/L	09/25/10	00:46	
CCB	Ti	0.20267	0.32467	0.08066	85.13418	ug/L	09/25/10	00:46	
CCB	Tl	4.06471	3.82132	4.30809	8.46796	ug/L	09/25/10	00:46	
CCB	V	1.07885	0.45005	1.70766	82.42635	ug/L	09/25/10	00:46	
CCB	Zn	0.17318	0.29814	0.04823	102.03253	ug/L	09/25/10	00:46	
CCB	2203/1	4.40529	1.80011	7.01047	83.63311	ug/L	09/25/10	00:46	
CCB	2203/2	-1.62631	-0.15666	-3.09595	127.79806	ug/L	09/25/10	00:46	
CCB	1960/1	8.52462	3.17566	13.87358	88.73791	ug/L	09/25/10	00:46	
CCB	1960/2	3.55609	3.24927	3.86290	12.20178	ug/L	09/25/10	00:46	
CCB	Y	1032.14306	1031.70202	1032.58398	0.06042		09/25/10	00:46	

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	HIGH STD 00034	D092910	2PTTR2	09/29/10	14:47	BCB	S	CONC
2	ICVP 00190	D092910	2PTTR2	09/29/10	15:00	BCB	S	CONC
3	ICB	D092910	2PTTR2	09/29/10	15:07	BCB	S	CONC
4	RL ICP 00045	D092910	2PTTR2	09/29/10	15:15	BCB	S	CONC
5	RL ICP 00045	D092910	2PTTR2	09/29/10	15:20	BCB	S	CONC
6	ICSA61 00022	D092910	2PTTR2	09/29/10	15:26	BCB	S	CONC
7	ICSAB61 00038	D092910	2PTTR2	09/29/10	15:32	BCB	S	CONC
8	CCVP 00072	D092910	2PTTR2	09/29/10	15:47	BCB	S	CONC
9	CCB	D092910	2PTTR2	09/29/10	15:55	BCB	S	CONC
10	PBS 181217	D092910	2PTTR2	09/29/10	16:08	BCB	S	CONC
11	LCSS-1	D092910	2PTTR2	09/29/10	16:13	BCB	S	CONC
12	61589-1	D092910	2PTTR2	09/29/10	16:18	BCB	S	CONC
13	61589-2	D092910	2PTTR2	09/29/10	16:22	BCB	S	CONC
14	61589-3	D092910	2PTTR2	09/29/10	16:26	BCB	S	CONC
15	61589-4	D092910	2PTTR2	09/29/10	16:31	BCB	S	CONC
16	61589-5	D092910	2PTTR2	09/29/10	16:35	BCB	S	CONC
17	61589-6	D092910	2PTTR2	09/29/10	16:40	BCB	S	CONC
18	61589-7	D092910	2PTTR2	09/29/10	16:44	BCB	S	CONC
19	61589-8	D092910	2PTTR2	09/29/10	16:48	BCB	S	CONC
20	CCV	D092910	2PTTR2	09/29/10	16:54	BCB	S	CONC
21	CCB	D092910	2PTTR2	09/29/10	17:02	BCB	S	CONC
22	61589-9	D092910	2PTTR2	09/29/10	17:06	BCB	S	CONC
23	61589-10	D092910	2PTTR2	09/29/10	17:11	BCB	S	CONC
24	61589-11	D092910	2PTTR2	09/29/10	17:15	BCB	S	CONC
25	61589-12	D092910	2PTTR2	09/29/10	17:20	BCB	S	CONC
26	61589-13	D092910	2PTTR2	09/29/10	17:26	BCB	S	CONC
27	61589-14	D092910	2PTTR2	09/29/10	17:31	BCB	S	CONC
28	CCV	D092910	2PTTR2	09/29/10	17:58	BCB	S	CONC
29	CCB	D092910	2PTTR2	09/29/10	18:04	BCB	S	CONC
30	61589-15	D092910	2PTTR2	09/29/10	18:09	BCB	S	CONC
31	61589-16	D092910	2PTTR2	09/29/10	18:14	BCB	S	CONC
32	61589-17	D092910	2PTTR2	09/29/10	18:19	BCB	S	CONC
33	61589-18	D092910	2PTTR2	09/29/10	18:24	BCB	S	CONC
34	61589-19	D092910	2PTTR2	09/29/10	18:29	BCB	S	CONC
35	61589-20	D092910	2PTTR2	09/29/10	18:35	BCB	S	CONC
36	61589-20L	D092910	2PTTR2	09/29/10	18:40	BCB	S	CONC
37	61589-20A	D092910	2PTTR2	09/29/10	18:45	BCB	S	CONC
38	61589-20S	D092910	2PTTR2	09/29/10	18:50	BCB	S	CONC
39	61589-20SD	D092910	2PTTR2	09/29/10	18:55	BCB	S	CONC
40	CCV	D092910	2PTTR2	09/29/10	19:01	BCB	S	CONC
41	CCB	D092910	2PTTR2	09/29/10	19:06	BCB	S	CONC
42	PBW 181222	D092910	2PTTR2	09/29/10	19:11	BCB	S	CONC
43	LCSW-1	D092910	2PTTR2	09/29/10	19:16	BCB	S	CONC
44	61507-1	D092910	2PTTR2	09/29/10	19:21	BCB	S	CONC
45	61566-1	D092910	2PTTR2	09/29/10	19:27	BCB	S	CONC
46	61464-9	D092910	2PTTR2	09/29/10	19:32	BCB	S	CONC
47	61464-9L	D092910	2PTTR2	09/29/10	19:37	BCB	S	CONC
48	61464-9A	D092910	2PTTR2	09/29/10	19:42	BCB	S	CONC
49	61464-9S	D092910	2PTTR2	09/29/10	19:47	BCB	S	CONC
50	61464-9SD	D092910	2PTTR2	09/29/10	19:52	BCB	S	CONC
51	61154-1	D092910	2PTTR2	09/29/10	19:58	BCB	S	CONC
52	CCV	D092910	2PTTR2	09/29/10	20:03	BCB	S	CONC
53	CCB	D092910	2PTTR2	09/29/10	20:08	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	61154-1S	D092910	2PTTR2	09/29/10	20:13	BCB	S	CONC
55	61154-1SD	D092910	2PTTR2	09/29/10	20:18	BCB	S	CONC
56	61337-2	D092910	2PTTR2	09/29/10	20:24	BCB	S	CONC
57	61337-3	D092910	2PTTR2	09/29/10	20:29	BCB	S	CONC
58	PBW 181277	D092910	2PTTR2	09/29/10	20:35	BCB	S	CONC
59	LCSW-1	D092910	2PTTR2	09/29/10	20:41	BCB	S	CONC
60	60164-1	D092910	2PTTR2	09/29/10	20:46	BCB	S	CONC
61	60164-1L	D092910	2PTTR2	09/29/10	20:51	BCB	S	CONC
62	CCV	D092910	2PTTR2	09/29/10	20:56	BCB	S	CONC
63	CCB	D092910	2PTTR2	09/29/10	21:01	BCB	S	CONC
64	60164-1A	D092910	2PTTR2	09/29/10	21:06	BCB	S	CONC
65	60164-1S	D092910	2PTTR2	09/29/10	21:12	BCB	S	CONC
66	60164-1SD	D092910	2PTTR2	09/29/10	21:17	BCB	S	CONC
67	60164-5	D092910	2PTTR2	09/29/10	21:22	BCB	S	CONC
68	61453-1	D092910	2PTTR2	09/29/10	21:27	BCB	S	CONC
69	61453-2	D092910	2PTTR2	09/29/10	21:32	BCB	S	CONC
70	61453-3	D092910	2PTTR2	09/29/10	21:38	BCB	S	CONC
71	61453-4	D092910	2PTTR2	09/29/10	21:43	BCB	S	CONC
72	CCV	D092910	2PTTR2	09/29/10	21:48	BCB	S	CONC
73	CCB	D092910	2PTTR2	09/29/10	21:53	BCB	S	CONC
74	PBW 181417	D092910	2PTTR2	09/29/10	21:58	BCB	S	CONC
75	LCSW-1	D092910	2PTTR2	09/29/10	22:04	BCB	S	CONC
76	61453-5	D092910	2PTTR2	09/29/10	22:09	BCB	S	CONC
77	61453-5L	D092910	2PTTR2	09/29/10	22:14	BCB	S	CONC
78	61453-5A	D092910	2PTTR2	09/29/10	22:19	BCB	S	CONC
79	61453-5S	D092910	2PTTR2	09/29/10	22:24	BCB	S	CONC
80	61453-5SD	D092910	2PTTR2	09/29/10	22:29	BCB	S	CONC
81	CCV	D092910	2PTTR2	09/29/10	22:35	BCB	S	CONC
82	CCB	D092910	2PTTR2	09/29/10	22:40	BCB	S	CONC
83	PBW 181319	D092910	2PTTR2	09/29/10	22:45	BCB	S	CONC
84	LCSW-1	D092910	2PTTR2	09/29/10	22:50	BCB	S	CONC
85	61551-1	D092910	2PTTR2	09/29/10	22:55	BCB	S	CONC
86	61551-1L	D092910	2PTTR2	09/29/10	23:01	BCB	S	CONC
87	61551-1A	D092910	2PTTR2	09/29/10	23:06	BCB	S	CONC
88	61551-1S	D092910	2PTTR2	09/29/10	23:11	BCB	S	CONC
89	61551-1SD	D092910	2PTTR2	09/29/10	23:16	BCB	S	CONC
90	61551-2	D092910	2PTTR2	09/29/10	23:21	BCB	S	CONC
91	61551-3	D092910	2PTTR2	09/29/10	23:27	BCB	S	CONC
92	61551-4	D092910	2PTTR2	09/29/10	23:32	BCB	S	CONC
93	CCV	D092910	2PTTR2	09/29/10	23:37	BCB	S	CONC
94	CCB	D092910	2PTTR2	09/29/10	23:42	BCB	S	CONC
95	61551-5	D092910	2PTTR2	09/29/10	23:47	BCB	S	CONC
96	61551-6	D092910	2PTTR2	09/29/10	23:53	BCB	S	CONC
97	61551-7	D092910	2PTTR2	09/29/10	23:58	BCB	S	CONC
98	61551-8	D092910	2PTTR2	09/30/10	00:03	BCB	S	CONC
99	61551-9	D092910	2PTTR2	09/30/10	00:08	BCB	S	CONC
100	61551-10	D092910	2PTTR2	09/30/10	00:13	BCB	S	CONC
101	61551-11	D092910	2PTTR2	09/30/10	00:19	BCB	S	CONC
102	61551-12	D092910	2PTTR2	09/30/10	00:24	BCB	S	CONC
103	61551-13	D092910	2PTTR2	09/30/10	00:29	BCB	S	CONC
104	61551-14	D092910	2PTTR2	09/30/10	00:34	BCB	S	CONC
105	CCV	D092910	2PTTR2	09/30/10	00:39	BCB	S	CONC
106	CCB	D092910	2PTTR2	09/30/10	00:45	BCB	S	CONC
107	61551-15	D092910	2PTTR2	09/30/10	00:50	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	61551-16	D092910	2PTTR2	09/30/10	00:55	BCB	S	CONC
109	61551-17	D092910	2PTTR2	09/30/10	01:00	BCB	S	CONC
110	61551-18	D092910	2PTTR2	09/30/10	01:05	BCB	S	CONC
111	61551-19	D092910	2PTTR2	09/30/10	01:10	BCB	S	CONC
112	61551-20	D092910	2PTTR2	09/30/10	01:16	BCB	S	CONC
113	61551-20S	D092910	2PTTR2	09/30/10	01:21	BCB	S	CONC
114	61551-20SD	D092910	2PTTR2	09/30/10	01:26	BCB	S	CONC
115	CCV	D092910	2PTTR2	09/30/10	01:31	BCB	S	CONC
116	CCB	D092910	2PTTR2	09/30/10	01:36	BCB	S	CONC
117	PBW 181332	D092910	2PTTR2	09/30/10	01:42	BCB	S	CONC
118	LCSW-1	D092910	2PTTR2	09/30/10	01:47	BCB	S	CONC
119	61551-21	D092910	2PTTR2	09/30/10	01:52	BCB	S	CONC
120	61551-21L	D092910	2PTTR2	09/30/10	01:57	BCB	S	CONC
121	61551-21A	D092910	2PTTR2	09/30/10	02:02	BCB	S	CONC
122	61551-21S	D092910	2PTTR2	09/30/10	02:08	BCB	S	CONC
123	61551-21SD	D092910	2PTTR2	09/30/10	02:13	BCB	S	CONC
124	61551-22	D092910	2PTTR2	09/30/10	02:18	BCB	S	CONC
125	61551-23	D092910	2PTTR2	09/30/10	02:23	BCB	S	CONC
126	61551-24	D092910	2PTTR2	09/30/10	02:28	BCB	S	CONC
127	CCV	D092910	2PTTR2	09/30/10	02:34	BCB	S	CONC
128	CCB	D092910	2PTTR2	09/30/10	02:39	BCB	S	CONC
129	61551-25	D092910	2PTTR2	09/30/10	02:44	BCB	S	CONC
130	61551-26	D092910	2PTTR2	09/30/10	02:49	BCB	S	CONC
131	61551-27	D092910	2PTTR2	09/30/10	02:55	BCB	S	CONC
132	61551-28	D092910	2PTTR2	09/30/10	03:00	BCB	S	CONC
133	61551-29	D092910	2PTTR2	09/30/10	03:05	BCB	S	CONC
134	61551-30	D092910	2PTTR2	09/30/10	03:10	BCB	S	CONC
135	61551-31	D092910	2PTTR2	09/30/10	03:15	BCB	S	CONC
136	61551-32	D092910	2PTTR2	09/30/10	03:21	BCB	S	CONC
137	61551-33	D092910	2PTTR2	09/30/10	03:26	BCB	S	CONC
138	61554-34	D092910	2PTTR2	09/30/10	03:31	BCB	S	CONC
139	CCV	D092910	2PTTR2	09/30/10	03:36	BCB	S	CONC
140	CCB	D092910	2PTTR2	09/30/10	03:41	BCB	S	CONC
141	61551-35	D092910	2PTTR2	09/30/10	03:47	BCB	S	CONC
142	61551-36	D092910	2PTTR2	09/30/10	03:52	BCB	S	CONC
143	61551-37	D092910	2PTTR2	09/30/10	03:57	BCB	S	CONC
144	61551-38	D092910	2PTTR2	09/30/10	04:02	BCB	S	CONC
145	61551-39	D092910	2PTTR2	09/30/10	04:07	BCB	S	CONC
146	61551-40	D092910	2PTTR2	09/30/10	04:13	BCB	S	CONC
147	61551-40S	D092910	2PTTR2	09/30/10	04:18	BCB	S	CONC
148	61551-40SD	D092910	2PTTR2	09/30/10	04:23	BCB	S	CONC
149	CCV	D092910	2PTTR2	09/30/10	04:28	BCB	S	CONC
150	CCB	D092910	2PTTR2	09/30/10	04:33	BCB	S	CONC
151	PBW 181383	D092910	2PTTR2	09/30/10	04:39	BCB	S	CONC
152	LCSW-1	D092910	2PTTR2	09/30/10	04:44	BCB	S	CONC
153	61551-41	D092910	2PTTR2	09/30/10	04:49	BCB	S	CONC
154	61551-42	D092910	2PTTR2	09/30/10	04:54	BCB	S	CONC
155	61551-43	D092910	2PTTR2	09/30/10	04:59	BCB	S	CONC
156	61551-44	D092910	2PTTR2	09/30/10	05:05	BCB	S	CONC
157	61551-45	D092910	2PTTR2	09/30/10	05:10	BCB	S	CONC
158	61551-46	D092910	2PTTR2	09/30/10	05:15	BCB	S	CONC
159	61551-47	D092910	2PTTR2	09/30/10	05:20	BCB	S	CONC
160	61551-48	D092910	2PTTR2	09/30/10	05:26	BCB	S	CONC
161	CCV	D092910	2PTTR2	09/30/10	05:31	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
162	CCB	D092910	2PTTR2	09/30/10	05:36	BCB	S	CONC
163	61551-49	D092910	2PTTR2	09/30/10	05:41	BCB	S	CONC
164	61551-50	D092910	2PTTR2	09/30/10	05:46	BCB	S	CONC
165	61551-51	D092910	2PTTR2	09/30/10	05:52	BCB	S	CONC
166	61551-52	D092910	2PTTR2	09/30/10	05:57	BCB	S	CONC
167	61442-1	D092910	2PTTR2	09/30/10	06:02	BCB	S	CONC
168	61428-1	D092910	2PTTR2	09/30/10	06:07	BCB	S	CONC
169	61497-1	D092910	2PTTR2	09/30/10	06:12	BCB	S	CONC
170	61497-1S	D092910	2PTTR2	09/30/10	06:18	BCB	S	CONC
171	61497-1SD	D092910	2PTTR2	09/30/10	06:23	BCB	S	CONC
172	61568-1	D092910	2PTTR2	09/30/10	06:28	BCB	S	CONC
173	CCV	D092910	2PTTR2	09/30/10	06:33	BCB	S	CONC
174	CCB	D092910	2PTTR2	09/30/10	06:39	BCB	S	CONC
175	61550-1	D092910	2PTTR2	09/30/10	06:44	BCB	S	CONC
176	61544-1	D092910	2PTTR2	09/30/10	06:49	BCB	S	CONC
177	61563-1	D092910	2PTTR2	09/30/10	06:54	BCB	S	CONC
178	CCV	D092910	2PTTR2	09/30/10	06:59	BCB	S	CONC
179	CCB	D092910	2PTTR2	09/30/10	07:05	BCB	S	CONC
180	PBW 181442	D092910	2PTTR2	09/30/10	07:10	BCB	S	CONC
181	LCSW-1	D092910	2PTTR2	09/30/10	07:15	BCB	S	CONC
182	LCSW-2	D092910	2PTTR2	09/30/10	07:20	BCB	S	CONC
183	61650-4	D092910	2PTTR2	09/30/10	07:25	BCB	S	CONC
184	61650-5	D092910	2PTTR2	09/30/10	07:31	BCB	S	CONC
185	61650-6	D092910	2PTTR2	09/30/10	07:36	BCB	S	CONC
186	61650-6L	D092910	2PTTR2	09/30/10	07:41	BCB	S	CONC
187	61650-6A	D092910	2PTTR2	09/30/10	07:46	BCB	S	CONC
188	CCV	D092910	2PTTR2	09/30/10	07:52	BCB	S	CONC
189	CCB	D092910	2PTTR2	09/30/10	07:57	BCB	S	CONC
190	61427-1	D092910	2PTTR2	09/30/10	08:02	BCB	S	CONC
191	61427-1L	D092910	2PTTR2	09/30/10	08:07	BCB	S	CONC
192	61427-1A	D092910	2PTTR2	09/30/10	08:13	BCB	S	CONC
193	61427-1S	D092910	2PTTR2	09/30/10	08:18	BCB	S	CONC
194	61427-1SD	D092910	2PTTR2	09/30/10	08:23	BCB	S	CONC
195	CCV	D092910	2PTTR2	09/30/10	08:28	BCB	S	CONC
196	CCB	D092910	2PTTR2	09/30/10	08:33	BCB	S	CONC
197	CCV	D092910	2PTTR2	09/30/10	09:56	BCB	S	CONC
198	CCB	D092910	2PTTR2	09/30/10	10:03	BCB	S	CONC
199	61589-1 1/5	D092910	2PTTR2	09/30/10	10:09	BCB	S	CONC
200	61589-1 1/2	D092910	2PTTR2	09/30/10	10:15	BCB	S	CONC
201	61589-2 1/2	D092910	2PTTR2	09/30/10	10:19	BCB	S	CONC
202	61589-4 1/2	D092910	2PTTR2	09/30/10	10:25	BCB	S	CONC
203	61589-5 1/2	D092910	2PTTR2	09/30/10	10:31	BCB	S	CONC
204	61589-10 1/2	D092910	2PTTR2	09/30/10	10:36	BCB	S	CONC
205	61589-11 1/2	D092910	2PTTR2	09/30/10	10:42	BCB	S	CONC
206	61589-12 1/2	D092910	2PTTR2	09/30/10	10:47	BCB	S	CONC
207	CCV	D092910	2PTTR2	09/30/10	10:52	BCB	S	CONC
208	CCB	D092910	2PTTR2	09/30/10	11:04	BCB	S	CONC
209	61589-13 1/2	D092910	2PTTR2	09/30/10	11:10	BCB	S	CONC
210	61589-19 1/2	D092910	2PTTR2	09/30/10	11:15	BCB	S	CONC
211	RL ICP	D092910	2PTTR2	09/30/10	11:23	BCB	S	CONC
212	RL ICP	D092910	2PTTR2	09/30/10	11:28	BCB	S	CONC
213	ICSA61	D092910	2PTTR2	09/30/10	11:33	BCB	S	CONC
214	ICSAB61	D092910	2PTTR2	09/30/10	11:43	BCB	S	CONC
215	CCV	D092910	2PTTR2	09/30/10	11:48	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
216	CCB	D092910	2PTTR2	09/30/10	11:53	BCB	S	CONC

#	Sample Name	Ag	Al	2Al	As	B	Ba
1	HIGH STD 00034	992.42	9935.4	9.9352	994.03	9948.2	9951.1
2	ICVP 00190	984.18	988.17	.98811	1008.5	1008.6	1005.7
3	ICB	.96239	1.4127	.00141	-1.2871	3.1614	.01768
4	RL ICP 00045	11.268	209.02	.20903	18.784	106.17	10.601
5	RL ICP 00045	10.994	210.42	.21043	18.076	105.00	10.351
6	ICSA61 00022	1.1675	541880.	541.88	-3.4818	16.425	1.0177
7	ICSAB61 00038	214.51	535400.	535.41	101.18	16.348	551.19
8	CCVP 00072	496.53	4896.5	4.8964	498.99	5024.9	5039.9
9	CCB	.57618	3.9604	.00396	-1.8212	5.4192	.23666
10	PBS 181217	.49150	.53977	.00053	-1.4018	.29574	.19935
11	LCSS-1	52.756	2015.6	2.0155	2019.5	1039.6	2116.6
12	61589-1	1.2621	274170.	274.17	51.244	229.18	1578.5
13	61589-2	.77606	201640.	201.65	39.997	157.45	1207.3
14	61589-3	1.2337	275900.	275.90	44.613	208.74	1565.7
15	61589-4	1.7674	232940.	232.94	71.561	202.25	1208.5
16	61589-5	1.1489	192990.	192.98	40.557	168.95	1011.6
17	61589-6	1.5130	245320.	245.32	68.634	236.74	1277.2
18	61589-7	1.3055	218640.	218.64	61.972	236.83	1090.1
19	61589-8	1.5433	250350.	250.35	68.052	263.88	1353.7
20	CCV	502.55	4927.0	4.9271	503.42	5058.3	5074.7
21	CCB	1.1462	12.265	.01226	-2.1892	5.5202	.07473
22	61589-9	1.5561	222930.	222.93	74.098	225.89	1272.3
23	61589-10	2.0451	236580.	236.57	82.008	228.03	1270.7
24	61589-11	1.0152	241910.	241.91	54.522	185.31	1352.7
25	61589-12	.90130	226230.	226.23	68.295	216.83	1217.0
26	61589-13	1.3993	221520.	221.51	62.613	200.18	1228.8
27	61589-14	2.0950	237110.	237.11	82.212	243.99	1284.2
28	CCV	507.64	4968.3	4.9684	506.11	5129.5	5120.5
29	CCB	.98430	14.032	.01403	1.5373	10.125	.97622
30	61589-15	1.3012	178810.	178.80	54.681	170.92	982.97
31	61589-16	1.7251	241150.	241.14	67.379	249.25	1297.1
32	61589-17	1.2350	231820.	231.82	75.695	233.35	1244.3
33	61589-18	1.3735	259760.	259.75	71.621	265.95	1393.3
34	61589-19	.79875	279810.	279.81	63.330	141.08	2606.0
35	61589-20	2.7335	200790.	200.78	111.95	126.96	2996.2
36	61589-20L	.73912	44508.	44.508	23.620	30.336	670.07
37	61589-20A	37.690	199570.	199.57	1767.9	1014.0	4673.8
38	61589-20S	45.807	213470.	213.47	1821.5	980.03	4741.7
39	61589-20SD	50.072	233100.	233.10	1934.1	1036.2	4700.5
40	CCV	509.16	4981.3	4.9813	509.91	5116.4	5122.5
41	CCB	1.4580	16.592	.01659	-.51097	9.1470	1.8778
42	PBW 181222	.28828	8.2920	.00829	-1.5594	2.3474	.33381
43	LCSW-1	53.067	2005.6	2.0057	2043.3	1049.4	2120.4
44	61507-1	2.1528	41214.	41.213	17.190	56.356	578.49
45	61566-1	.55735	18.979	.01898	-3.1763	260.49	.73579
46	61464-9	1.1366	34121.	34.121	8.0743	9.4793	110.61
47	61464-9L	1.4328	7055.5	7.0555	1.1701	2.6333	22.892
48	61464-9A	39.780	35293.	35.292	1869.6	1001.6	2080.7
49	61464-9S	51.016	36590.	36.590	1948.5	1002.2	2157.0
50	61464-9SD	49.765	40591.	40.589	1960.4	1013.4	2192.2
51	61154-1	.67343	34154.	34.153	9.6942	10.187	112.33
52	CCV	503.12	4896.9	4.8969	501.76	5038.6	5068.0
53	CCB	.87086	5.7859	.00578	-3.5238	7.9302	1.5353

#	Sample Name	Ag	Al	2Al	As	B	Ba
54	61154-1S	53.701	39469.	39.467	2045.4	1058.1	2236.7
55	61154-1SD	51.005	48996.	48.995	1954.2	1015.1	2189.1
56	61337-2	-.05917	10.290	.01029	-1.7786	3.8621	1.0225
57	61337-3	1.4208	758.04	.75807	-2.8615	15.307	17.703
58	PBW 181277	.52378	9.3949	.00939	-2.3066	.71650	.16889
59	LCSW-1	51.558	1992.8	1.9928	2005.9	1031.5	2096.8
60	60164-1	1.0787	8.2098	.00821	-2.5108	45.502	4.3696
61	60164-1L	.48185	3.9449	.00394	-2.9036	9.5940	.89814
62	CCV	506.40	4937.2	4.9369	503.84	5084.6	5097.2
63	CCB	.89264	.96304	.00096	.18157	9.3686	2.2256
64	60164-1A	40.391	1889.4	1.8894	1889.5	958.84	1999.0
65	60164-1S	84.644	3262.5	3.2624	3255.7	1712.1	3411.3
66	60164-1SD	101.23	3967.0	3.9668	3922.7	2060.7	4151.1
67	60164-5	1.1225	12.547	.01254	-.05128	54.182	1.8208
68	61453-1	1.9162	3.6228	.00362	1.4917	1387.6	.30830
69	61453-2	1.0590	6.7037	.00670	1.2135	3368.9	.95405
70	61453-3	1.5128	6.2801	.00628	1.7872	13.358	2.6504
71	61453-4	.96547	118.82	.11882	8.2066	20.409	281.59
72	CCV	498.15	4889.5	4.8892	489.38	4973.0	5048.3
73	CCB	1.4698	-2.6475	-.00264	-3.7424	10.089	.94690
74	PBW 181417	.87031	1.3365	.00133	-2.5215	3.8784	.27533
75	LCSW-1	53.566	2040.0	2.0400	2065.2	1061.7	2146.2
76	61453-5	1.0568	191.57	.19158	9.8499	21.676	1205.7
77	61453-5L	1.0507	34.753	.03475	1.7109	5.0240	234.14
78	61453-5A	43.132	2181.2	2.1813	1995.0	878.98	3283.1
79	61453-5S	108.10	4391.4	4.3914	4142.3	2129.2	5641.9
80	61453-5SD	103.87	4292.2	4.2921	4057.4	1968.9	5486.9
81	CCV	505.41	4915.1	4.9150	505.83	5061.3	5068.7
82	CCB	.64525	8.3021	.00830	.41486	12.300	1.0397
83	PBW 181319	2.0965	5.6192	.00561	-3.1490	4.9437	.45414
84	LCSW-1	51.714	1966.4	1.9664	2001.8	1023.9	2049.5
85	61551-1	1.4599	15.931	.01593	-.88803	348.47	9.4656
86	61551-1L	.50988	1.6806	.00168	-4.2041	69.900	1.8961
87	61551-1A	42.956	2062.2	2.0622	2029.1	1358.1	2109.5
88	61551-1S	52.204	2066.8	2.0668	2034.4	1383.7	2118.4
89	61551-1SD	51.518	2013.7	2.0138	1975.6	1360.7	2064.0
90	61551-2	1.1214	354.50	.35451	.31147	360.31	7.6912
91	61551-3	.55217	173.40	.17340	-1.1394	347.71	7.3396
92	61551-4	.46227	164.06	.16406	-2.8238	313.55	7.1113
93	CCV	507.50	4952.6	4.9526	511.36	5104.3	5082.5
94	CCB	.91512	8.9593	.00895	-.41562	9.6932	1.6991
95	61551-5	.02845	69.541	.06954	-2.0608	334.84	6.7161
96	61551-6	.89364	156.94	.15695	-2.3413	329.19	7.1755
97	61551-7	1.0069	84.800	.08480	-.71535	339.84	6.8052
98	61551-8	1.3253	152.11	.15212	-2.1164	354.32	7.6751
99	61551-9	1.0776	103.11	.10311	-2.6916	352.40	7.3106
100	61551-10	1.5082	66.872	.06687	.57517	345.87	7.0231
101	61551-11	1.4241	143.70	.14371	.21348	356.59	9.1280
102	61551-12	1.4210	91.307	.09131	-2.8681	358.71	7.2870
103	61551-13	.91569	59.680	.05968	-2.3620	334.58	6.6598
104	61551-14	1.2648	210.77	.21077	-.42065	345.20	7.3321
105	CCV	509.98	4967.3	4.9672	507.62	5133.2	5090.1
106	CCB	1.6535	12.719	.01271	-.28329	9.3261	1.9901
107	61551-15	1.1902	59.180	.05918	-2.3130	345.76	6.9477

#	Sample Name	Ag	Al	2Al	As	B	Ba
108	61551-16	.75519	66.777	.06678	.82088	353.24	8.5915
109	61551-17	1.3317	193.99	.19400	-2.5138	352.49	7.5740
110	61551-18	1.0995	74.251	.07425	-1.2849	361.52	7.4606
111	61551-19	1.3723	343.74	.34375	-3.7859	341.94	7.4012
112	61551-20	.42996	104.36	.10436	.40296	361.05	7.1630
113	61551-20S	52.847	2148.9	2.1489	2035.7	1391.7	2108.8
114	61551-20SD	51.789	2101.1	2.1011	1993.2	1370.1	2065.8
115	CCV	505.03	4922.5	4.9226	501.92	5092.2	5040.8
116	CCB	1.1706	13.472	.01347	-2.0262	10.286	1.5050
117	PBW 181332	.48356	12.599	.01259	-2.7673	2.0031	.06909
118	LCSW-1	53.475	2045.6	2.0456	2068.3	1072.2	2124.0
119	61551-21	1.1459	71.959	.07196	-2.6369	347.86	7.0114
120	61551-21L	.82422	26.110	.02611	-1.0172	70.961	1.4131
121	61551-21A	42.453	2074.5	2.0746	1989.1	1371.3	2065.9
122	61551-21S	52.476	2135.1	2.1352	2041.2	1394.2	2112.8
123	61551-21SD	52.311	2124.0	2.1240	2037.4	1382.6	2114.5
124	61551-22	.87115	335.79	.33580	-.85057	351.15	7.4370
125	61551-23	1.3553	137.59	.13759	.26626	352.52	7.6078
126	61551-24	.66626	465.33	.46535	-2.3312	339.88	7.5244
127	CCV	499.02	4881.8	4.8816	500.62	5046.6	4996.4
128	CCB	1.2166	8.9685	.00896	-2.8961	9.6316	1.3587
129	61551-25	1.9555	280.76	.28076	-.88232	355.00	7.7546
130	61551-26	.66318	203.08	.20308	-2.7297	343.72	7.2773
131	61551-27	.82438	444.91	.44493	-2.2550	343.18	7.5930
132	61551-28	.96098	283.57	.28358	-3.6174	331.75	7.1148
133	61551-29	1.4895	538.52	.53854	-.57243	342.37	7.8255
134	61551-30	.58027	371.63	.37164	-.80920	339.11	7.5361
135	61551-31	1.1670	327.03	.32704	-.34078	348.74	7.6733
136	61551-32	.27490	545.73	.54575	-.41592	351.21	7.9084
137	61551-33	.48032	413.38	.41339	-1.7490	339.32	7.4464
138	61554-34	1.1942	629.39	.62941	-2.5894	352.62	7.9002
139	CCV	508.99	4966.1	4.9658	509.43	5125.8	5072.4
140	CCB	.80141	10.659	.01065	.25819	9.2219	1.4247
141	61551-35	.73357	490.67	.49069	-.44647	345.06	7.6390
142	61551-36	.54819	468.84	.46886	.45501	355.05	7.6169
143	61551-37	1.3313	684.97	.68500	-2.6079	359.12	8.0963
144	61551-38	.89342	655.18	.65520	-.68187	359.74	8.1942
145	61551-39	.66477	513.32	.51334	-1.8751	329.56	7.5343
146	61551-40	1.0980	702.42	.70245	.15703	345.68	7.9190
147	61551-40S	52.790	2734.3	2.7342	2038.7	1387.9	2118.5
148	61551-40SD	52.605	2821.4	2.8214	2067.2	1420.4	2151.6
149	CCV	508.18	4966.8	4.9667	507.49	5120.2	5058.0
150	CCB	1.2121	9.0740	.00907	-2.7436	9.3697	.90949
151	PBW 181383	1.4184	9.5437	.00954	-1.8740	1.8763	.30586
152	LCSW-1	51.277	1969.9	1.9699	1977.1	1020.6	2031.6
153	61551-41	1.0527	584.57	.58460	.05344	333.21	7.3864
154	61551-42	.59655	597.40	.59742	.03767	346.67	7.6426
155	61551-43	1.3954	150.86	.15086	-2.5818	352.63	7.1290
156	61551-44	.84641	450.96	.45098	-1.9939	317.23	6.9536
157	61551-45	1.1923	524.96	.52498	.43207	337.66	7.5363
158	61551-46	1.0534	162.95	.16296	-.67889	340.42	7.0742
159	61551-47	1.1220	475.86	.47588	-2.6162	341.37	7.6024
160	61551-48	.70998	501.20	.50122	-3.1243	338.96	7.3748
161	CCV	508.20	4996.6	4.9965	511.32	5124.0	5084.3

#	Sample Name	Ag	Al	2Al	As	B	Ba
162	CCB	.91668	7.3753	.00737	-.13349	8.4913	1.7528
163	61551-49	.89344	159.06	.15906	-2.6856	348.78	7.8066
164	61551-50	1.2840	436.63	.43665	-.83663	343.23	7.3481
165	61551-51	1.3323	138.26	.13826	-2.3053	345.79	7.5667
166	61551-52	.57145	127.89	.12789	-1.9891	325.04	7.3733
167	61442-1	.82390	541.03	.54106	1.5566	82.682	22.471
168	61428-1	.66341	3001.2	3.0011	.89083	9.4975	28.409
169	61497-1	1.7550	12.018	.01201	-2.3742	14.159	60.204
170	61497-1S	53.948	2056.6	2.0567	2036.0	1065.4	2188.3
171	61497-1SD	53.949	2079.9	2.0799	2073.5	1086.4	2217.8
172	61568-1	.60616	56388.	56.388	1.0405	1068.7	2.4488
173	CCV	504.99	4991.6	4.9916	499.86	5050.8	5081.0
174	CCB	.89369	3.4032	.00340	-1.1232	9.6999	1.8808
175	61550-1	6.2374	196.57	.19658	-1.7233	41.093	24.028
176	61544-1	1.6670	4.7875	.00478	-.94081	5.6194	34.825
177	61563-1	1.0132	67.766	.06776	.27636	198.79	27.128
178	CCV	501.28	4976.4	4.9764	496.13	5007.1	5057.4
179	CCB	.68561	.09504	.00009	-1.3453	7.3283	.94196
180	PBW 181442	1.0308	.44775	.00044	-2.3052	2.0959	.16855
181	LCSW-1	52.581	2038.6	2.0385	2010.5	1048.4	2105.3
182	LCSW-2	52.060	2003.5	2.0035	1996.3	1036.0	2075.7
183	61650-4	1.5359	40771.	40.771	29.307	28.531	71.459
184	61650-5	.44730	14619.	14.619	6.4407	41.084	105.70
185	61650-6	1.6263	1950.5	1.9506	-.15363	15.854	38.545
186	61650-6L	.89372	392.83	.39285	1.1201	4.2543	7.8469
187	61650-6A	40.777	3839.2	3.8392	1918.6	525.59	2053.0
188	CCV	500.24	4965.7	4.9654	501.63	5028.2	5035.8
189	CCB	1.4009	1.7125	.00171	-1.0276	7.3347	1.1699
190	61427-1	.78014	9.5400	.00954	6.5735	30.258	136.62
191	61427-1L	1.2813	-7.0069	-.00700	-.98038	4.9540	27.979
192	61427-1A	41.424	2012.3	2.0124	1981.9	1056.0	2185.4
193	61427-1S	52.252	2089.7	2.0897	2047.7	1083.0	2264.8
194	61427-1SD	52.933	2094.1	2.0941	2062.6	1091.6	2271.1
195	CCV	491.95	4890.0	4.8901	494.04	4951.0	4959.8
196	CCB	.80136	-8.1633	-.00816	-1.2677	8.5961	.96651
197	CCV	503.44	5044.8	5.0447	501.07	5044.6	5057.6
198	CCB	.87014	-11.294	-.01129	-.67498	3.4671	.18148
199	61589-1 1/5	1.2663	64430.	64.432	6.3950	54.451	366.67
200	61589-1 1/2	.86884	158170.	158.17	28.305	132.40	894.39
201	61589-2 1/2	.46803	115810.	115.81	25.353	92.344	682.28
202	61589-4 1/2	.90840	130550.	130.55	41.329	113.32	666.78
203	61589-5 1/2	.78892	110730.	110.73	22.680	97.059	571.41
204	61589-10 1/2	1.2175	135420.	135.43	41.269	130.11	715.85
205	61589-11 1/2	1.6372	143100.	143.10	30.860	109.15	785.17
206	61589-12 1/2	1.3725	128910.	128.91	32.414	122.76	681.09
207	CCV	502.84	5002.5	5.0023	503.80	5043.0	5064.8
208	CCB	.84139	-3.0207	-.00302	-4.1693	3.8036	.14196
209	61589-13 1/2	1.0306	124930.	124.93	33.960	113.79	681.43
210	61589-19 1/2	1.5081	157750.	157.74	33.370	82.746	1440.7
211	RL ICP	11.404	209.76	.20977	17.792	104.07	10.542
212	RL ICP	11.655	205.43	.20543	20.827	103.93	10.457
213	ICSA61	.53009	543020.	543.00	2.9180	15.500	1.1638
214	ICSAB61	215.98	537540.	537.53	102.65	16.033	550.51
215	CCV	499.84	4939.6	4.9397	502.51	5052.0	5041.2

#	Sample Name	Ag	Al	2Al	As	B	Ba
216	CCB	.91541	-.13581	-.00013	-1.0556	10.725	.41076

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
1	HIGH STD 00034	994.65	9930.9	992.92	992.44	9957.0	9931.7
2	ICVP 00190	1012.7	1003.8	1019.4	1011.2	1020.1	1006.3
3	ICB	.01611	.35651	.15586	-.87185	-.48502	-.47897
4	RL ICP 00045	4.1231	517.00	5.4430	10.013	9.8174	20.591
5	RL ICP 00045	4.0274	508.17	5.4913	10.389	9.7393	21.012
6	ICSA61 00022	.06587	534240.	2.1939	.14284	1.5545	.47644
7	ICSAB61 00038	521.86	531950.	991.19	492.71	503.70	553.81
8	CCVP 00072	504.83	4988.2	503.72	501.12	5034.6	4992.1
9	CCB	.03423	.25834	.07826	-.60101	.53634	-.75492
10	PBS 181217	.00783	10.603	-.16747	-.93780	-.28290	1.1770
11	LCSS-1	51.915	5163.5	52.774	523.17	211.34	261.68
12	61589-1	17.505	242020.	2.3191	71.233	238.90	107.56
13	61589-2	14.799	207010.	3.0292	107.36	163.56	97.217
14	61589-3	17.138	215250.	2.2175	63.649	239.28	106.85
15	61589-4	15.359	308490.	2.3660	65.571	202.85	106.58
16	61589-5	15.079	230840.	2.1317	89.610	169.81	105.59
17	61589-6	17.003	273150.	2.2562	86.227	220.35	119.58
18	61589-7	15.841	304950.	2.0635	92.936	224.60	120.44
19	61589-8	18.065	345730.	1.9524	90.479	243.48	130.01
20	CCV	512.90	5065.3	512.63	508.51	5122.5	5009.6
21	CCB	.01627	-1.9058	-.02007	-.35801	-.20126	-.83844
22	61589-9	16.598	332160.	2.0002	81.819	211.75	124.57
23	61589-10	16.788	392420.	2.0737	71.302	206.51	109.51
24	61589-11	16.556	260960.	1.9122	73.840	196.66	101.40
25	61589-12	16.103	401030.	2.2358	62.998	205.88	103.12
26	61589-13	15.790	364890.	2.2387	57.953	189.51	98.676
27	61589-14	17.977	313220.	2.2838	92.145	233.51	135.97
28	CCV	517.50	5083.2	519.56	514.51	5169.1	5065.1
29	CCB	.07387	-.37438	-.03502	.38306	.92038	-.04894
30	61589-15	14.815	305280.	1.8392	73.276	182.74	107.09
31	61589-16	17.866	341180.	2.7582	93.068	231.22	133.83
32	61589-17	17.239	330130.	2.5570	92.060	226.65	138.24
33	61589-18	19.219	338040.	2.4494	99.890	253.07	132.99
34	61589-19	19.698	116300.	2.7195	99.342	215.26	166.63
35	61589-20	17.500	49533.	4.1313	149.29	259.64	559.98
36	61589-20L	3.9487	11250.	.72606	33.961	59.281	121.22
37	61589-20A	59.699	52764.	46.340	570.87	423.77	770.21
38	61589-20S	60.624	58244.	47.739	606.16	395.24	802.40
39	61589-20SD	64.091	50710.	51.167	611.76	421.15	779.37
40	CCV	517.63	5091.0	518.01	513.15	5159.0	5067.5
41	CCB	.17449	1.8425	.29062	-.30261	1.6300	.45482
42	PBW 181222	.02867	15.118	.12448	-.68182	.78152	.23811
43	LCSW-1	52.470	5178.7	53.132	527.53	212.51	258.63
44	61507-1	2.4156	136840.	2.6860	8.3458	80.854	249.08
45	61566-1	.01515	3853.0	-.19090	-1.0522	1.3111	22.708
46	61464-9	3.2401	12263.	.47866	22.104	30.777	46.051
47	61464-9L	.68472	2512.4	-.02770	4.3637	6.1575	8.7117
48	61464-9A	51.471	16840.	48.298	502.96	223.00	286.78
49	61464-9S	55.823	15752.	50.425	522.35	233.26	285.71

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
50	61464-9SD	55.877	16070.	50.866	526.17	239.85	285.95
51	61154-1	2.8732	10479.	.73113	21.075	45.038	43.667
52	CCV	509.09	5000.6	505.91	503.92	5071.3	5019.6
53	CCB	.15949	-.65242	.08447	-.49344	1.1818	.14674
54	61154-1S	55.932	15164.	53.303	543.75	270.21	343.06
55	61154-1SD	54.146	20950.	50.844	525.67	253.13	306.13
56	61337-2	.04025	61.476	-.08967	-1.1408	3.2132	9.4813
57	61337-3	.05776	324.57	-.07718	-.45292	6.0980	1.2167
58	PBW 181277	.02594	24.215	-.26116	-.49842	1.0008	3.6503
59	LCSW-1	51.611	5081.4	51.913	517.46	209.13	255.46
60	60164-1	.04599	11346.	-.00460	-.38995	1.4953	-.16275
61	60164-1L	.02041	2345.6	.01204	-.49094	-.16228	-1.0721
62	CCV	513.35	5052.0	513.82	509.92	5115.1	5048.9
63	CCB	.23350	.24507	.42151	-.42452	1.8117	.67002
64	60164-1A	49.366	15753.	48.961	490.54	199.28	249.78
65	60164-1S	85.148	17856.	84.661	845.07	340.42	424.63
66	60164-1SD	102.54	21472.	101.85	1016.6	412.00	521.62
67	60164-5	.04789	3712.2	.52828	-.68671	1.7183	129.68
68	61453-1	.03999	60.221	3.7958	-.06377	1.7462	8.8096
69	61453-2	.05555	147.04	.17843	-.60748	1.8384	12.889
70	61453-3	.11757	36.689	.19245	.20985	1.5792	7.0709
71	61453-4	.15067	606.28	8.0013	4.1412	72.542	1661.6
72	CCV	506.67	5003.1	503.49	502.48	5057.0	4993.8
73	CCB	.13450	-.37934	.27362	-.76322	.48265	-.71296
74	PBW 181417	.03082	34.974	-.12566	-.41224	.58765	.54385
75	LCSW-1	53.221	5277.4	53.917	535.02	215.20	263.35
76	61453-5	.05146	1016.1	8.5859	3.4714	110.61	1486.2
77	61453-5L	.04961	198.51	1.8509	.13851	20.873	289.01
78	61453-5A	51.766	5474.7	60.614	527.58	319.47	1726.4
79	61453-5S	109.61	11882.	117.25	1098.7	556.38	2120.1
80	61453-5SD	106.39	11341.	115.35	1078.1	544.26	2048.5
81	CCV	516.73	5094.8	515.00	511.34	5142.2	5032.7
82	CCB	.12787	-.10320	-.01634	-.04319	.90562	-.39792
83	PBW 181319	.05279	34.375	.22723	-.05689	.71873	-.45958
84	LCSW-1	51.116	5052.6	51.893	515.67	207.31	250.40
85	61551-1	.08587	491.83	.12562	-.96705	.17774	1.7637
86	61551-1L	.01653	98.640	.05600	-.41399	-.36293	-1.1557
87	61551-1A	52.066	5609.0	52.527	522.82	209.55	263.29
88	61551-1S	52.016	5599.3	52.450	523.51	209.72	264.13
89	61551-1SD	50.472	5449.0	51.275	506.67	202.32	255.21
90	61551-2	.01653	439.32	.02143	-.50816	.55906	2.4349
91	61551-3	.03240	431.40	-.01071	-.08522	.51712	.39585
92	61551-4	.01165	528.85	-.00868	-.58925	-.16309	-.27403
93	CCV	518.08	5100.7	518.98	513.51	5159.8	5045.5
94	CCB	.16511	-1.1172	.06976	-.41272	1.8211	.74442
95	61551-5	.02651	426.32	-.07307	-1.1940	-.72417	-1.4596
96	61551-6	.00935	382.51	-.15448	-.19644	.51891	.40286
97	61551-7	.03215	426.50	.14499	.16325	.62231	-.50113
98	61551-8	.02636	403.90	-.23270	-.24780	.60030	.35124
99	61551-9	.02555	423.56	.06507	-.77969	.84340	-.83178
100	61551-10	.03571	451.97	.00688	.12321	1.0037	.00018
101	61551-11	.01607	415.72	-.11260	-.32948	.59259	.93067
102	61551-12	.00935	448.61	-.14655	-.01129	.42572	-.74416
103	61551-13	.03808	472.34	-.20850	-.49240	.47900	-1.1629

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
104	61551-14	.02008	430.84	-.11475	-.28685	.39185	-.63001
105	CCV	521.67	5129.1	522.48	516.27	5187.5	5057.1
106	CCB	.18266	-1.0404	.25173	-.21862	1.7456	.23853
107	61551-15	.00643	435.77	-.04285	-.63122	-.08194	-1.8041
108	61551-16	.02595	416.64	-.14832	-.25151	.29857	-.12888
109	61551-17	.01673	453.12	.06086	-.43651	.58783	-.59809
110	61551-18	.00818	457.71	-.13011	.03002	.38621	-.71243
111	61551-19	.02095	425.94	-.06180	-.27519	.56236	-.72187
112	61551-20	.01179	400.82	-.06334	-.68134	.06564	-.45285
113	61551-20S	52.404	5528.7	53.441	524.88	211.04	259.83
114	61551-20SD	51.309	5425.2	52.197	515.05	206.19	255.68
115	CCV	517.16	5075.5	517.89	511.35	5137.8	5012.6
116	CCB	.13200	-1.0670	.18058	-.33980	1.7531	.34524
117	PBW 181332	.00198	23.392	.08339	-1.1248	.11941	-2.0861
118	LCSW-1	53.416	5314.0	53.940	536.04	216.66	259.85
119	61551-21	.02147	392.50	.01193	-.34393	.14266	-1.0874
120	61551-21L	-.00011	75.935	.06821	.01637	.26499	-1.1394
121	61551-21A	51.489	5587.1	52.215	514.09	207.28	254.90
122	61551-21S	52.494	5618.7	53.208	527.19	211.71	261.32
123	61551-21SD	52.464	5557.5	53.572	526.19	210.99	261.20
124	61551-22	.02536	420.54	.14797	-.11893	.47262	.07153
125	61551-23	.03067	571.11	.16573	-.46972	.20605	-1.2319
126	61551-24	.02694	597.57	-.29454	-.51193	-.06020	-.23590
127	CCV	512.89	5047.7	514.62	506.63	5095.9	4964.1
128	CCB	.12685	-.99090	.17308	-.05185	1.9142	.22924
129	61551-25	.02704	442.95	.07853	-.02517	.91588	-.23293
130	61551-26	-.00081	492.51	-.12301	-.63190	.89565	-.18228
131	61551-27	.03236	514.69	.22673	-.41157	.18202	.00156
132	61551-28	.01916	437.08	-.00833	-.29930	.39596	-.29377
133	61551-29	.02382	496.40	.04904	-.49712	-.01897	-.30465
134	61551-30	.03053	476.57	-.04676	-.45203	.43011	-.35477
135	61551-31	.01988	457.87	-.25687	-.71483	.34174	.29753
136	61551-32	.01407	407.89	-.15138	-.59232	.38399	-.02742
137	61551-33	.01988	416.23	-.30529	-1.2409	.16292	-.74096
138	61554-34	.02136	422.43	-.01690	-.79200	.59436	.09090
139	CCV	521.67	5132.3	523.01	515.32	5180.0	5047.2
140	CCB	.14874	-2.1114	.25161	-.31487	1.6644	.33723
141	61551-35	.02093	440.11	-.04336	-.81984	.79982	-.14860
142	61551-36	-.00872	409.31	-.20566	-.45352	.51037	.59528
143	61551-37	.00565	451.92	.07326	-.20550	.42947	-.17128
144	61551-38	-.02443	488.17	-.14288	-.50242	.73526	.79099
145	61551-39	.01705	453.02	-.25034	-.66202	-.06122	-.07053
146	61551-40	.03161	410.81	-.11117	-.53949	.22084	-.34773
147	61551-40S	52.619	5606.8	53.300	526.42	212.15	263.08
148	61551-40SD	53.340	5673.0	53.734	535.76	215.58	267.15
149	CCV	521.13	5127.5	520.78	514.99	5172.6	5036.5
150	CCB	.10035	-1.3798	-.03540	-.33197	1.0037	-.53601
151	PBW 181383	.01033	24.143	.00103	-.36824	-.22219	-1.2242
152	LCSW-1	51.091	5047.0	51.742	512.55	206.55	248.86
153	61551-41	.01347	405.85	-.04858	-.36903	.24061	.15815
154	61551-42	-.01117	385.47	-.15361	-.52291	.44170	.68422
155	61551-43	.03089	400.12	-.03816	-.48044	.34170	-.27257
156	61551-44	.00662	396.52	-.12693	-.49266	.34412	-.38160
157	61551-45	.01275	450.70	-.06273	-.36992	1.0881	.78359

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
158	61551-46	.01427	363.77	-.01370	-1.1277	-.01987	1.3673
159	61551-47	.03498	383.83	.09264	-.95178	.52540	.15991
160	61551-48	-.00311	402.79	-.19508	-.22243	-.08114	.88622
161	CCV	519.82	5142.5	522.14	515.93	5177.8	5055.0
162	CCB	.18255	-.73927	-.13350	.25290	1.7861	.01483
163	61551-49	.04126	398.44	-.02971	-.41379	.18595	-.57281
164	61551-50	.03413	396.19	.06791	-.13705	.36538	1.9504
165	61551-51	.04181	340.72	.11049	-.36229	.83596	-.61425
166	61551-52	.03359	331.37	.00381	-.62962	.16314	.65585
167	61442-1	.04866	63998.	-.00677	-.16362	3.1555	14.538
168	61428-1	.38336	118400.	.15754	57.111	1.5031	28.883
169	61497-1	.06114	105540.	.15802	.91701	.86666	.72780
170	61497-1S	52.759	112100.	51.970	522.29	211.92	263.52
171	61497-1SD	53.510	116020.	52.669	529.69	214.32	273.07
172	61568-1	.02790	3122.0	.00317	2.7453	2.8003	53.668
173	CCV	509.78	5062.4	507.71	506.10	5090.1	5039.3
174	CCB	.18839	.79597	.12935	-.20676	2.0437	.83286
175	61550-1	.01534	13049.	49.634	-.20706	33.426	117.70
176	61544-1	.14235	5512.5	.00787	.26284	.74860	4.0535
177	61563-1	.08736	292420.	.71148	-.20386	6.6199	19.765
178	CCV	504.27	5025.3	503.00	501.50	5042.6	5009.2
179	CCB	.11464	2.9095	.09260	-.39629	.67258	-.39003
180	PBW 181442	.03934	7.2048	.01766	-.49666	.34364	-.74446
181	LCSW-1	51.757	5219.5	52.756	523.29	209.89	255.95
182	LCSW-2	51.236	5165.6	51.645	516.29	207.04	252.89
183	61650-4	.69867	1428.2	.14609	31.422	50.934	21.882
184	61650-5	1.5413	7398.5	.81478	60.617	15.823	17.317
185	61650-6	.20655	10224.	.38652	43.501	2.9834	8.5331
186	61650-6L	.06880	2063.0	.19120	8.9283	.79946	.70247
187	61650-6A	50.406	12697.	50.698	544.86	205.01	255.67
188	CCV	509.87	5098.8	510.93	508.67	5099.9	4981.8
189	CCB	.12513	1.7901	.40182	.04537	1.1617	-.02388
190	61427-1	.03554	31960.	-.15779	11.376	2.0553	6.3366
191	61427-1L	.04579	6542.7	.04872	1.5208	.11723	-.23531
192	61427-1A	50.607	37474.	50.831	524.86	207.97	259.63
193	61427-1S	52.298	37527.	52.719	543.58	215.07	269.00
194	61427-1SD	52.555	38174.	52.929	545.09	215.61	269.06
195	CCV	501.09	5019.1	501.29	499.34	5007.4	4926.4
196	CCB	.14130	2.5286	.06668	-.39642	.56965	-.62174
197	CCV	508.76	5143.9	511.31	509.90	5106.8	5013.3
198	CCB	.06677	2.1380	.13824	-.71422	-.50600	-1.0828
199	61589-1 1/5	4.2423	57080.	.37421	16.333	56.877	23.600
200	61589-1 1/2	10.157	138880.	1.4403	41.091	138.49	59.562
201	61589-2 1/2	8.5873	118790.	1.4815	62.037	95.302	54.067
202	61589-4 1/2	8.6920	171990.	1.2620	37.239	115.17	57.848
203	61589-5 1/2	8.6482	131040.	.93791	51.625	97.880	59.129
204	61589-10 1/2	9.6430	220950.	1.3688	40.354	118.62	60.084
205	61589-11 1/2	9.7452	152370.	1.2598	43.781	116.96	57.747
206	61589-12 1/2	9.2084	224190.	1.1558	35.666	117.48	56.269
207	CCV	509.27	5112.6	512.07	509.96	5108.1	5005.6
208	CCB	.02359	-.29194	.16656	-.73346	-.34548	-1.0756
209	61589-13 1/2	8.8960	202330.	.74748	32.471	107.94	53.578
210	61589-19 1/2	11.129	66104.	1.2433	56.596	122.02	92.523
211	RL ICP	4.1423	525.74	5.5342	9.7439	10.225	20.061

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
212	RL ICP	4.1578	521.19	5.8791	9.9164	10.171	20.605
213	ICSA61	.09386	545780.	1.9543	-.05096	1.2737	.63025
214	ICSAB61	528.34	543060.	1012.3	500.42	510.58	550.00
215	CCV	514.00	5115.4	516.07	511.05	5136.8	4975.4
216	CCB	.06323	2.4688	-.12254	-.49187	.25820	-.64794

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
1	HIGH STD 00034	9948.0	9.9480	20038.	9924.4	9.9244	9964.9
2	ICVP 00190	1024.0	1.0243	19402.	1008.7	1.0087	1017.2
3	ICB	-.46039	-.00046	8.9361	-1.5336	-.00153	-.01062
4	RL ICP 00045	61.465	.06146	1010.3	516.14	.51599	10.345
5	RL ICP 00045	42.805	.04280	976.85	511.66	.51151	10.159
6	ICSA61 00022	201160.	201.12	9.6232	541540.	541.31	-1.2164
7	ICSAB61 00038	200070.	200.03	-2.5232	539170.	538.97	506.92
8	CCVP 00072	4960.7	4.9607	9875.7	4955.0	4.9550	5036.7
9	CCB	19.508	.01950	53.442	-1.5158	-.00151	.00988
10	PBS 181217	34.500	.03449	29.671	-2.9529	-.00295	.34082
11	LCSS-1	1078.3	1.0784	5079.4	5136.0	5.1346	527.10
12	61589-1	293230.	293.18	H48783.	35157.	35.100	13780.
13	61589-2	244190.	244.16	32772.	24886.	24.842	13627.
14	61589-3	290950.	290.90	H43704.	34713.	34.655	10209.
15	61589-4	303180.	303.13	H39987.	30082.	30.027	15223.
16	61589-5	264620.	264.57	34699.	27917.	27.869	13541.
17	61589-6	325730.	325.67	H48233.	35602.	35.541	18006.
18	61589-7	288040.	287.98	H51962.	43204.	43.148	16995.
19	61589-8	320210.	320.16	H55809.	44428.	44.367	19470.
20	CCV	5035.0	5.0350	9982.4	5039.6	5.0397	5163.6
21	CCB	2.2892	.00228	15.528	3.0638	.00306	.04197
22	61589-9	306240.	306.19	H47082.	38855.	38.799	20991.
23	61589-10	305790.	305.73	H46738.	31731.	31.677	20191.
24	61589-11	282150.	282.10	H39816.	27078.	27.028	14096.
25	61589-12	287610.	287.57	H44031.	29853.	29.800	14591.
26	61589-13	280930.	280.87	H40830.	27547.	27.496	15857.
27	61589-14	335970.	335.92	H50771.	44317.	44.253	19709.
28	CCV	5026.8	5.0268	9998.9	5110.8	5.1108	5202.0
29	CCB	9.4966	.00949	39.965	4.5533	.00455	.76938
30	61589-15	273260.	273.20	32784.	35758.	35.706	14774.
31	61589-16	327780.	327.71	H53454.	44695.	44.629	19620.
32	61589-17	322550.	322.49	H48903.	42429.	42.367	17579.
33	61589-18	341880.	341.81	H55544.	46133.	46.066	19357.
34	61589-19	352880.	352.82	32481.	27346.	27.283	14073.
35	61589-20	386170.	386.08	19872.	16120.	16.054	13877.
36	61589-20L	88306.	88.290	4155.4	3679.8	3.6647	3209.6
37	61589-20A	377340.	377.27	24436.	20210.	20.144	13966.
38	61589-20S	349480.	349.42	26510.	22252.	22.191	14740.
39	61589-20SD	344890.	344.83	28807.	21652.	21.591	11900.
40	CCV	5078.1	5.0781	10082.	5092.4	5.0925	5214.6
41	CCB	25.035	.02503	44.524	3.0366	.00303	2.0662
42	PBW 181222	37.419	.03741	44.513	1.5000	.00149	.37798
43	LCSW-1	1066.3	1.0664	5071.1	5178.2	5.1768	534.75
44	61507-1	56477.	56.466	3980.0	11972.	11.959	986.90
45	61566-1	354.97	.35492	462.31	53.641	.05356	2.0102

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
46	61464-9	80919.	80.904	2876.6	12835.	12.818	1436.8
47	61464-9L	16577.	16.574	608.13	2626.5	2.6229	294.79
48	61464-9A	79209.	79.194	7991.0	17441.	17.423	1875.0
49	61464-9S	88711.	88.695	7835.3	15790.	15.771	1821.1
50	61464-9SD	91219.	91.199	8715.3	18455.	18.434	2074.7
51	61154-1	64302.	64.288	3445.5	12777.	12.762	908.20
52	CCV	4937.4	4.9374	10094.	4993.6	4.9937	5102.9
53	CCB	3.9707	.00397	10.443	-1.4983	-.00149	1.3694
54	61154-1S	68658.	68.643	8283.8	18854.	18.837	1508.1
55	61154-1SD	85507.	85.491	8772.3	23063.	23.043	1766.6
56	61337-2	10.090	.01008	199.39	10.578	.01057	.57250
57	61337-3	145.54	.14552	194.70	47.359	.04732	1.9244
58	PBW 181277	50.111	.05010	28.408	3.1017	.00309	.78402
59	LCSW-1	1046.1	1.0462	5053.6	5069.4	5.0680	523.85
60	60164-1	1059.2	1.0591	1127.4	1900.3	1.8996	70.414
61	60164-1L	215.82	.21579	227.99	395.81	.39566	14.443
62	CCV	4971.2	4.9712	10166.	5050.6	5.0507	5136.4
63	CCB	11.728	.01172	29.610	-1.4902	-.00149	2.0045
64	60164-1A	1973.1	1.9730	5976.6	6522.2	6.5203	565.09
65	60164-1S	2514.8	2.5149	9376.9	9914.0	9.9112	911.13
66	60164-1SD	3035.2	3.0353	11375.	11899.	11.896	1099.2
67	60164-5	1261.0	1.2608	373.43	127.04	.12677	3.0039
68	61453-1	49.831	.04982	63.080	7.7555	.00774	.41694
69	61453-2	57.604	.05759	65.525	42.447	.04242	.79076
70	61453-3	38.997	.03899	57.121	13.782	.01377	1.1457
71	61453-4	59933.	59.923	250.88	128.98	.11851	240.31
72	CCV	4917.0	4.9170	10147.	4985.6	4.9856	5072.7
73	CCB	8.1915	.00819	31.769	-2.9826	-.00298	.71043
74	PBW 181417	70.098	.07008	37.457	4.6079	.00459	.71847
75	LCSW-1	1066.3	1.0664	5222.1	5280.2	5.2787	540.02
76	61453-5	101090.	101.08	241.16	116.41	.09872	264.85
77	61453-5L	19917.	19.913	59.763	24.978	.02149	51.944
78	61453-5A	100040.	100.03	4563.0	4600.2	4.5816	787.69
79	61453-5S	107820.	107.80	9940.9	10866.	10.845	1379.8
80	61453-5SD	104000.	103.98	10218.	10324.	10.303	1347.9
81	CCV	5029.4	5.0294	10129.	5083.5	5.0835	5150.6
82	CCB	-5.5737	-.00557	1.8797	-2.9838	-.00298	.92063
83	PBW 181319	19.571	.01956	75.002	4.5472	.00454	.31011
84	LCSW-1	1010.6	1.0107	5036.0	5065.5	5.0641	518.09
85	61551-1	55.376	.05536	1172.1	111.90	.11186	1.2005
86	61551-1L	9.4053	.00940	187.67	19.508	.01950	.13704
87	61551-1A	1060.9	1.0610	7826.0	5293.6	5.2922	523.29
88	61551-1S	1042.1	1.0422	7800.6	5254.2	5.2528	524.44
89	61551-1SD	1010.5	1.0106	7728.6	5096.4	5.0950	508.92
90	61551-2	19.593	.01959	1176.9	115.16	.11511	.70354
91	61551-3	45.199	.04519	1187.9	105.84	.10580	1.7102
92	61551-4	15.079	.01507	1029.8	89.125	.08909	.73035
93	CCV	5019.8	5.0198	10159.	5096.2	5.0962	5158.7
94	CCB	-8.8509	-.00884	5.8538	4.5149	.00451	1.6561
95	61551-5	12.955	.01295	1043.5	98.568	.09853	.35136
96	61551-6	25.162	.02515	1071.2	96.967	.09693	.56849
97	61551-7	21.325	.02132	1107.5	103.35	.10331	.49400
98	61551-8	59.393	.05938	1145.9	101.64	.10160	.81640
99	61551-9	16.973	.01697	1136.7	109.34	.10930	.43473

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
100	61551-10	19.077	.01907	1136.0	110.94	.11090	.65906
101	61551-11	27.904	.02790	1183.1	106.13	.10609	.58532
102	61551-12	9.0532	.00905	1150.5	111.67	.11163	.45659
103	61551-13	83.379	.08336	1082.3	104.54	.10449	.54479
104	61551-14	24.619	.02461	1126.8	111.23	.11119	.56455
105	CCV	5053.1	5.0531	10209.	5116.7	5.1167	5177.4
106	CCB	7.4305	.00742	40.218	6.1421	.00613	1.7968
107	61551-15	7.9256	.00792	1091.0	100.39	.10035	.42371
108	61551-16	15.152	.01515	1153.3	106.23	.10619	.51041
109	61551-17	27.737	.02773	1146.7	114.73	.11469	.65243
110	61551-18	32.262	.03225	1175.1	114.90	.11486	.49341
111	61551-19	20.796	.02079	1133.2	106.45	.10641	.62406
112	61551-20	9.8122	.00981	1158.6	109.81	.10977	.40336
113	61551-20S	1048.6	1.0487	7810.8	5242.1	5.2407	523.00
114	61551-20SD	1057.7	1.0578	7662.7	5149.4	5.1480	512.74
115	CCV	5012.7	5.0127	10135.	5065.7	5.0657	5127.2
116	CCB	5.1920	.00519	16.932	3.0884	.00308	1.3682
117	PBW 181332	.10499	.00010	17.835	.01312	.00001	.33053
118	LCSW-1	1054.0	1.0541	5309.3	5305.9	5.3045	537.71
119	61551-21	7.3420	.00734	1112.8	108.41	.10837	.35494
120	61551-21L	-4.5197	-.00451	180.15	19.942	.01993	.07799
121	61551-21A	1029.1	1.0292	7881.9	5359.8	5.3583	513.06
122	61551-21S	1046.6	1.0467	7918.2	5294.8	5.2934	525.99
123	61551-21SD	1051.1	1.0512	7714.3	5284.8	5.2834	525.25
124	61551-22	20.542	.02053	1126.5	109.46	.10942	.67066
125	61551-23	43.222	.04321	1158.3	106.11	.10607	.63285
126	61551-24	5.1288	.00512	1104.4	109.67	.10963	.76129
127	CCV	4982.0	4.9820	10016.	5041.0	5.0410	5085.6
128	CCB	9.7173	.00971	31.371	6.1650	.00616	1.1283
129	61551-25	29.024	.02902	1186.1	115.37	.11532	.71633
130	61551-26	7.4441	.00744	1097.9	107.50	.10746	.58412
131	61551-27	16.963	.01696	1142.8	105.36	.10532	.78732
132	61551-28	17.291	.01728	1078.9	107.21	.10717	.68888
133	61551-29	29.437	.02943	1111.8	110.14	.11010	.72378
134	61551-30	13.231	.01322	1105.4	112.05	.11201	.79573
135	61551-31	11.873	.01187	1152.9	108.12	.10809	.58388
136	61551-32	14.721	.01471	1137.8	111.50	.11146	.71049
137	61551-33	29.507	.02950	1096.4	102.53	.10249	.62906
138	61554-34	15.461	.01545	1122.5	111.03	.11099	.73660
139	CCV	5072.4	5.0724	10142.	5130.0	5.1300	5167.7
140	CCB	-2.7653	-.00276	12.068	4.6093	.00460	1.4934
141	61551-35	32.593	.03258	1127.8	109.55	.10951	.74934
142	61551-36	14.796	.01479	1128.4	115.28	.11524	.68003
143	61551-37	25.601	.02559	1179.7	115.30	.11525	.71603
144	61551-38	16.540	.01653	1148.6	116.97	.11693	.95572
145	61551-39	25.894	.02589	1097.4	104.97	.10493	.89584
146	61551-40	22.517	.02251	1115.6	111.03	.11099	1.2261
147	61551-40S	1072.1	1.0722	7839.6	5317.9	5.3165	526.35
148	61551-40SD	1066.8	1.0669	8041.7	5373.2	5.3718	533.75
149	CCV	5064.6	5.0646	10167.	5118.5	5.1186	5159.8
150	CCB	-3.3414	-.00334	14.460	1.5249	.00152	.81862
151	PBW 181383	9.5763	.00957	32.295	.00341	.00000	.22947
152	LCSW-1	1008.7	1.0087	5076.1	5051.9	5.0506	513.92
153	61551-41	18.581	.01857	1062.4	106.51	.10648	.71306

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
154	61551-42	5.0984	.00509	1084.1	109.46	.10942	.60610
155	61551-43	29.861	.02985	1192.3	94.409	.09437	.51283
156	61551-44	15.310	.01530	1029.6	102.38	.10234	.67536
157	61551-45	28.171	.02816	1107.5	112.71	.11266	.83221
158	61551-46	22.651	.02264	1266.1	99.256	.09922	.58593
159	61551-47	36.798	.03679	1131.9	107.01	.10697	.62818
160	61551-48	18.037	.01803	1070.7	108.33	.10829	.54958
161	CCV	5077.5	5.0775	10243.	5135.1	5.1351	5166.8
162	CCB	.01410	.00001	17.127	3.0735	.00307	1.6789
163	61551-49	22.248	.02224	1167.3	101.54	.10150	.54974
164	61551-50	21.502	.02149	1119.0	107.15	.10712	.53415
165	61551-51	18.204	.01820	1155.5	99.904	.09987	.41184
166	61551-52	21.013	.02101	1047.8	98.056	.09802	.39224
167	61442-1	2313.6	2.3133	2963.1	30394.	30.385	59.974
168	61428-1	366.95	.36691	2665.6	7723.2	7.7227	3980.0
169	61497-1	222.76	.22273	15054.	2661.3	2.6606	251.16
170	61497-1S	1242.9	1.2429	21091.	7846.1	7.8441	780.38
171	61497-1SD	1277.4	1.2775	21626.	8032.2	8.0300	796.75
172	61568-1	481.48	.48141	H117550.	2699.0	2.6982	91.780
173	CCV	4996.6	4.9966	10384.	5035.4	5.0354	5094.9
174	CCB	-.48886	-.00048	18.070	3.0976	.00309	1.7727
175	61550-1	59.237	.05922	2975.5	1901.6	1.9010	5.6971
176	61544-1	4049.0	4.0485	2204.0	2708.9	2.7075	55.831
177	61563-1	251.06	.25102	17559.	133560.	133.52	10.055
178	CCV	4952.5	4.9525	10343.	5005.0	5.0050	5055.3
179	CCB	-5.6006	-.00559	12.714	-1.5333	-.00153	.85245
180	PBW 181442	18.094	.01809	33.852	3.0584	.00305	.14823
181	LCSW-1	1047.4	1.0475	5419.1	5222.9	5.2215	525.99
182	LCSW-2	1029.1	1.0291	5266.1	5161.8	5.1604	519.66
183	61650-4	58694.	58.684	4428.9	2941.3	2.9304	619.76
184	61650-5	23077.	23.072	7241.0	4661.4	4.6582	4868.0
185	61650-6	5884.1	5.8833	2806.3	3731.1	3.7298	1821.2
186	61650-6L	1198.8	1.1986	607.50	758.25	.75798	367.07
187	61650-6A	6758.4	6.7578	5296.1	6334.4	6.3324	2292.5
188	CCV	5003.9	5.0039	10185.	5096.8	5.0968	5110.2
189	CCB	20.496	.02049	55.705	7.6948	.00768	.92545
190	61427-1	148.92	.14890	22273.	7837.2	7.8350	27.447
191	61427-1L	45.947	.04594	4278.9	1609.4	1.6089	5.4653
192	61427-1A	1160.9	1.1609	27970.	13255.	13.251	542.25
193	61427-1S	1201.5	1.2015	28524.	13237.	13.233	560.42
194	61427-1SD	1216.4	1.2165	28820.	13446.	13.442	563.37
195	CCV	4921.6	4.9216	10061.	5019.8	5.0198	5026.3
196	CCB	15.359	.01535	41.560	-1.5252	-.00152	.71468
197	CCV	5049.9	5.0499	10352.	5144.2	5.1442	5121.5
198	CCB	1.2206	.00122	32.574	-6.1291	-.00612	-.02332
199	61589-1 1/5	71295.	71.285	10913.	8663.6	8.6502	3382.9
200	61589-1 1/2	171160.	171.13	27613.	20869.	20.837	8085.1
201	61589-2 1/2	141620.	141.60	18593.	14744.	14.719	7955.2
202	61589-4 1/2	172410.	172.37	22252.	17410.	17.379	8699.1
203	61589-5 1/2	153090.	153.07	19938.	16362.	16.334	7850.4
204	61589-10 1/2	177410.	177.39	26447.	18578.	18.547	11721.
205	61589-11 1/2	168490.	168.46	23310.	16318.	16.287	8403.2
206	61589-12 1/2	166320.	166.28	24819.	17418.	17.388	8413.9
207	CCV	5004.0	5.0041	10328.	5116.4	5.1164	5147.7

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
208	CCB	-.06729	-.00006	12.931	-.02657	-.00002	-.00468
209	61589-13 1/2	160010.	159.98	22780.	15852.	15.824	9005.3
210	61589-19 1/2	201580.	201.54	18219.	15778.	15.741	7991.1
211	RL ICP	65.353	.06534	1060.1	528.04	.52788	10.688
212	RL ICP	61.056	.06105	1065.6	524.80	.52465	10.410
213	ICSA61	201350.	201.31	-5.1333	555370.	555.13	-1.2542
214	ICSAB61	200450.	200.41	26.262	552280.	552.05	515.08
215	CCV	5022.8	5.0228	10302.	5151.3	5.1513	5145.6
216	CCB	10.105	.01010	34.787	4.5458	.00454	.23975

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
1	HIGH STD 00034	993.91	15165.	4960.4	989.46	9882.5	991.70
2	ICVP 00190	1018.2	9825.8	1015.6	999.98	1019.3	962.24
3	ICB	-.63934	325.12	.08223	.44622	2.3164	-.50252
4	RL ICP 00045	10.064	1384.9	42.535	10.994	27.646	19.667
5	RL ICP 00045	12.137	1274.9	39.852	10.039	24.986	18.802
6	ICSA61 00022	-1.1485	191.98	.12921	.24800	-1.2669	-1.7208
7	ICSAB61 00038	1013.9	179.87	978.45	48.191	58.157	628.04
8	CCVP 00072	503.10	7521.2	2504.8	500.36	5043.4	490.22
9	CCB	1.6876	443.34	.43612	-.77835	4.4199	.82160
10	PBS 181217	-1.9646	518.58	.54051	2.6333	2.7604	-2.2550
11	LCSS-1	529.53	5262.2	519.64	513.02	2050.2	505.98
12	61589-1	7.1751	1999.7	279.84	263.43	10.126	6.7591
13	61589-2	6.8141	1406.6	223.68	256.03	8.2562	3.4664
14	61589-3	3.4567	1801.2	279.74	253.89	6.5246	7.7690
15	61589-4	11.998	1767.9	238.84	246.90	8.0865	1.4493
16	61589-5	6.6569	1417.9	220.56	254.55	6.2499	1.3345
17	61589-6	13.280	2020.4	266.81	274.35	11.146	5.7295
18	61589-7	8.9764	2287.5	270.60	255.02	6.4727	.55893
19	61589-8	9.4102	2415.8	291.77	291.55	9.5405	3.9172
20	CCV	514.56	7787.6	2540.1	509.80	5098.5	497.90
21	CCB	-.25999	332.50	.06179	-1.9379	1.7872	.45579
22	61589-9	12.269	2232.9	281.33	284.28	9.0145	4.7318
23	61589-10	13.717	2192.8	255.91	260.28	9.7899	3.8424
24	61589-11	9.0048	1657.7	224.80	267.69	10.009	2.6880
25	61589-12	12.113	2030.0	229.59	250.38	5.3278	3.5239
26	61589-13	9.4986	2077.2	230.38	246.93	11.503	3.0381
27	61589-14	13.226	2256.4	312.97	298.32	12.518	5.4432
28	CCV	519.69	7707.1	2574.3	516.02	5153.7	496.75
29	CCB	1.6561	396.36	1.1923	-.48924	5.8719	1.4314
30	61589-15	4.1029	1777.3	243.60	240.48	8.2818	3.1891
31	61589-16	11.247	2499.0	287.78	284.28	12.321	3.6328
32	61589-17	11.686	2076.4	282.63	290.54	7.1713	1.7359
33	61589-18	9.5333	2586.0	313.63	298.26	10.482	5.5774
34	61589-19	12.968	1032.8	246.89	418.69	8.8090	15.966
35	61589-20	10.115	742.56	210.39	1433.4	15.956	29.122
36	61589-20L	1.7870	7.9564	46.940	330.41	5.1997	4.8645
37	61589-20A	448.32	5075.4	622.42	1814.5	1708.5	438.15
38	61589-20S	443.88	4871.4	653.99	1782.2	1762.7	364.72
39	61589-20SD	476.74	5522.3	685.55	2010.2	1888.1	406.75
40	CCV	519.44	7646.1	2563.6	516.25	5171.3	503.98
41	CCB	.84485	363.34	1.3669	.54572	8.3651	1.4449

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
42	PBW 181222	.01043	647.01	.38392	.45406	3.2043	1.1450
43	LCSW-1	526.90	5456.4	524.31	518.60	2089.2	507.55
44	61507-1	3.5273	1160.3	52.692	1321.5	1.0614	9.1043
45	61566-1	199.49	759.66	.65400	11.032	1.1636	-1.5668
46	61464-9	4.3630	5.0915	26.578	40.886	3.5004	-.11707
47	61464-9L	1.4295	336.54	4.7868	9.3814	2.3843	.89199
48	61464-9A	493.69	5007.9	499.27	508.07	1897.2	467.53
49	61464-9S	501.80	4609.4	521.24	532.30	1975.1	474.87
50	61464-9SD	508.93	4919.0	529.75	532.40	1975.0	478.58
51	61154-1	5.4591	71.559	34.227	42.374	.89849	1.1528
52	CCV	504.35	7556.9	2514.0	504.61	5072.9	492.86
53	CCB	.77485	203.13	.82524	1.6063	2.7123	-.55477
54	61154-1S	521.64	5400.9	550.42	552.15	2080.5	501.87
55	61154-1SD	502.45	4951.2	530.40	536.89	1976.4	475.31
56	61337-2	.33351	1473.0	-.41263	1.6462	1.6466	3.6509
57	61337-3	2.1066	H341340.	1.2823	1.1605	1.2598	-.04125
58	PBW 181277	-.63830	636.33	.10877	.23847	-.58160	-1.3580
59	LCSW-1	521.03	5085.5	513.46	508.74	2044.5	498.62
60	60164-1	4.3731	51188.	1.0590	1.4833	2.5505	2.4915
61	60164-1L	1.8831	10352.	.41973	.53504	1.8869	2.2499
62	CCV	510.02	7781.5	2541.2	510.41	5082.1	495.50
63	CCB	1.1744	331.50	.53808	1.0278	4.6323	3.5916
64	60164-1A	467.41	55123.	486.13	483.01	1920.9	470.23
65	60164-1S	850.06	51403.	839.16	824.93	3300.4	819.30
66	60164-1SD	1026.5	62701.	1008.3	992.41	3950.8	985.27
67	60164-5	131.11	2540.5	.74789	27.312	.66094	3.3858
68	61453-1	.44443	571.45	.25311	2.6827	2.7062	2.4295
69	61453-2	2.1976	966.04	.58038	2.2278	.36256	3.9516
70	61453-3	1.7779	772.18	.14536	2.4227	1.0741	1.2213
71	61453-4	13.428	1662.2	2385.9	114.13	1.8808	1.3118
72	CCV	504.36	7694.1	2502.6	502.20	4993.0	486.21
73	CCB	-.13836	417.16	1.0662	1.2695	4.6849	2.6793
74	PBW 181417	.48083	503.40	-.16901	1.0229	4.2869	.68008
75	LCSW-1	531.68	5340.5	530.66	529.95	2107.7	517.56
76	61453-5	20.755	1432.8	1045.5	279.83	2.1044	4.6453
77	61453-5L	4.2383	591.47	206.65	55.914	1.8066	1.2287
78	61453-5A	459.12	5645.2	1539.1	780.65	2019.2	489.52
79	61453-5S	1114.8	11493.	2173.6	1354.2	4213.0	1033.1
80	61453-5SD	1063.7	11162.	2107.1	1317.4	4107.4	985.51
81	CCV	512.23	7837.3	2554.0	513.78	5091.4	495.38
82	CCB	2.4026	266.93	.40704	.90107	2.6075	2.6921
83	PBW 181319	.59052	468.44	.23276	1.3606	.96820	3.4364
84	LCSW-1	511.26	5036.5	510.14	508.84	2036.6	494.27
85	61551-1	1.1036	H229990.	.33607	1.7051	2.9904	4.8879
86	61551-1L	.18880	41122.	-.62323	-1.2513	1.4536	-3.2069
87	61551-1A	507.96	H234730.	519.09	517.58	2071.5	507.13
88	61551-1S	525.12	H234160.	518.83	515.42	2078.7	505.53
89	61551-1SD	511.65	H237050.	503.50	501.61	2017.4	494.28
90	61551-2	1.0295	H238030.	-.02785	1.4920	2.0846	-.51908
91	61551-3	.25871	H229390.	.69701	-.02066	1.4642	-.29145
92	61551-4	.66402	H204910.	-.22278	2.0947	2.2833	-.49898
93	CCV	515.63	7873.0	2557.5	512.88	5111.7	497.27
94	CCB	.26204	211.52	.81145	.60595	4.5642	-.47312
95	61551-5	-.54677	H217410.	.07247	-.52554	5.1619	-.08488

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
96	61551-6	-.58356	H215820.	.36190	2.3980	3.6242	5.2236
97	61551-7	.40802	H224640.	-.27716	1.1103	4.8856	1.6995
98	61551-8	.73801	H233880.	.08965	1.1370	3.3045	-2.3517
99	61551-9	-.06847	H233060.	.33971	.10821	-1.4187	.16960
100	61551-10	.77530	H229550.	.13464	1.8819	.17453	.59883
101	61551-11	.51783	H237800.	.45452	3.7498	2.5010	-.16725
102	61551-12	.85132	H238930.	.71924	-.04394	-.50352	1.5732
103	61551-13	1.0318	H220070.	.14913	1.2496	5.1941	2.8214
104	61551-14	.66833	H229710.	.08633	.94723	.32364	.42690
105	CCV	516.70	7726.7	2574.5	518.09	5170.7	498.62
106	CCB	.00031	398.26	1.2298	-.91361	2.4366	2.4910
107	61551-15	.40728	H228290.	1.0518	.51033	3.0048	-.54926
108	61551-16	-.25599	H232550.	-.13894	1.5369	-.01262	.42792
109	61551-17	.89051	H233010.	.31108	.77078	2.9138	1.4779
110	61551-18	.29601	H238650.	.06080	.96057	1.9243	-.75902
111	61551-19	.92139	H225000.	.86169	2.2305	4.1537	1.0568
112	61551-20	-1.5789	H239980.	.04757	1.0981	-.88921	-.26171
113	61551-20S	527.59	H238110.	519.87	518.29	2092.5	509.98
114	61551-20SD	517.24	H234190.	508.28	509.14	2044.8	499.69
115	CCV	509.75	7845.4	2547.7	510.96	5091.6	494.60
116	CCB	1.9349	308.86	1.0397	-.16519	2.9442	-.71362
117	PBW 181332	.84846	469.90	-.10696	.66982	.94314	-1.5484
118	LCSW-1	538.94	5421.8	529.22	529.77	2118.1	513.23
119	61551-21	.07486	H229490.	-.61871	.67358	5.2211	.00078
120	61551-21L	.25900	41202.	-.00569	.75579	2.5255	.18231
121	61551-21A	512.81	H233820.	509.15	513.15	2040.5	499.22
122	61551-21S	530.27	H233820.	521.27	523.30	2099.6	509.70
123	61551-21SD	532.67	H228420.	521.91	520.16	2083.8	508.16
124	61551-22	1.6010	H231410.	-.01179	.33211	5.9309	2.0086
125	61551-23	-.52401	H232710.	.40856	1.4065	1.6808	1.4165
126	61551-24	-.44378	H224030.	.16958	.90649	.38318	-1.7094
127	CCV	508.25	7837.4	2529.4	507.67	5055.5	490.62
128	CCB	.92884	185.91	.88929	-.28329	4.9457	2.1495
129	61551-25	1.3059	H235090.	.48271	1.1834	2.5940	2.4285
130	61551-26	1.5235	H227800.	-1.5684	1.5692	-1.7448	-2.0549
131	61551-27	1.2571	H226840.	.29251	.84268	1.9289	-3.2799
132	61551-28	2.2404	H218660.	-.57569	2.1043	4.6477	.86877
133	61551-29	.55660	H226710.	.58066	.54425	2.4912	2.0021
134	61551-30	.47980	H225180.	.26265	1.2585	-.69855	-.45885
135	61551-31	.55447	H232140.	-.17995	1.7837	.63606	.47702
136	61551-32	.77680	H235140.	.41496	1.0674	.86034	.13353
137	61551-33	.88786	H224520.	.05205	.65634	.33464	-.69330
138	61554-34	-.30333	H233630.	.43302	.71043	-.06569	-.27824
139	CCV	513.30	7796.4	2574.9	516.99	5150.4	499.61
140	CCB	.70387	357.43	.30886	.74537	5.2724	-1.0341
141	61551-35	-.78722	H227460.	.64151	.17478	2.8851	4.4936
142	61551-36	1.3756	H233160.	-.14959	2.6425	1.1005	.40024
143	61551-37	.77683	H240090.	.02001	.04596	1.9591	2.2675
144	61551-38	-1.6436	H236910.	-.21683	.63095	3.2581	-2.4012
145	61551-39	.03811	H216040.	-.44706	.11941	2.8217	-2.3851
146	61551-40	.66412	H227800.	-.45270	-.83431	-.49043	2.0344
147	61551-40S	529.14	H228640.	523.95	520.63	2082.9	508.73
148	61551-40SD	536.81	H244970.	529.16	525.55	2103.6	513.85
149	CCV	517.34	7848.4	2566.7	516.11	5140.7	497.23

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
150	CCB	-.32934	211.09	.11669	.88705	4.6200	.15789
151	PBW 181383	1.5875	453.32	-.20361	.89120	3.2730	3.6066
152	LCSW-1	508.75	5079.3	506.36	505.07	2029.0	491.47
153	61551-41	2.4348	H218470.	.04163	1.1507	1.5271	1.2077
154	61551-42	.22500	H229580.	-.76273	2.0320	1.5249	-1.1694
155	61551-43	1.2595	H234780.	1.0181	.55751	1.9107	1.7126
156	61551-44	1.1488	H208450.	-.61664	1.8756	1.0471	-.18179
157	61551-45	1.1823	H223170.	-.26972	.54272	3.2890	2.2732
158	61551-46	.70320	H227580.	1.0139	1.4712	.11834	-2.0790
159	61551-47	.33627	H227880.	-.25855	1.0506	4.5666	1.4131
160	61551-48	.00099	H225880.	-.59860	2.5689	.82627	-.10156
161	CCV	517.88	8022.2	2572.8	516.71	5135.8	498.17
162	CCB	1.0387	72.108	.60313	1.1148	2.9568	.07885
163	61551-49	-.00325	H231440.	.87379	-.95789	2.3090	2.2642
164	61551-50	.66576	H229360.	-1.3271	1.7774	3.2687	-2.5613
165	61551-51	-1.5322	H230770.	.11389	1.3583	3.4648	1.4995
166	61551-52	2.0768	H214820.	-.87581	1.9838	-.70834	-.24766
167	61442-1	79.184	19759.	28.478	1.0778	4.2864	2.2989
168	61428-1	1.5217	3417.6	85.883	.71498	3.1839	.16453
169	61497-1	.85727	10198.	1.4797	.60153	3.3693	2.9074
170	61497-1S	525.96	15536.	514.75	514.48	2083.6	510.73
171	61497-1SD	534.64	15895.	523.34	521.17	2098.4	518.19
172	61568-1	42.421	H1744e3	699.03	2.3493	1.6521	1.6769
173	CCV	505.92	8156.9	2525.7	505.88	5040.0	493.69
174	CCB	-.67748	186.19	.96473	-.55309	4.3864	.26674
175	61550-1	1.7239	10379.	216.84	.72426	3.2969	3.5099
176	61544-1	1.3886	7189.3	3.6348	.82663	2.6160	-1.1974
177	61563-1	12.966	H447930.	24.928	3.1277	2.9200	1.6699
178	CCV	501.88	7559.0	2502.2	500.54	5005.3	486.50
179	CCB	1.3751	137.39	.93001	.44180	5.2471	.30056
180	PBW 181442	-.52090	397.47	.21053	.63339	2.1085	.59872
181	LCSW-1	522.89	5486.1	518.63	516.80	2055.5	504.22
182	LCSW-2	518.02	5466.3	512.34	509.02	2030.8	497.33
183	61650-4	9.4839	6117.4	97.450	28.040	3.0766	3.6787
184	61650-5	1.1565	6241.2	216.23	20.290	.76823	.39385
185	61650-6	.66601	6618.6	35.430	3.8809	3.5164	2.6057
186	61650-6L	-1.6112	1614.2	6.6959	1.2843	2.6601	1.2444
187	61650-6A	254.52	9067.8	533.60	493.26	1933.7	478.86
188	CCV	506.08	7787.9	2542.9	511.96	5017.2	488.67
189	CCB	.62939	513.04	.83737	1.5593	4.1480	2.7943
190	61427-1	.66751	53763.	1.1629	.77461	2.8313	2.0508
191	61427-1L	.29742	10880.	.34531	.57859	2.8224	-.07115
192	61427-1A	504.15	60016.	504.43	498.94	1984.1	485.07
193	61427-1S	524.46	60225.	523.83	514.21	2053.4	509.85
194	61427-1SD	530.31	61557.	527.53	518.77	2062.1	509.19
195	CCV	496.70	7555.0	2504.1	501.14	4932.4	484.10
196	CCB	1.4098	430.85	.35631	1.1133	7.5728	1.7122
197	CCV	505.26	7658.4	2559.5	515.21	5054.5	496.68
198	CCB	1.1120	381.90	.57098	.53983	5.3793	-.03071
199	61589-1 1/5	2.1140	641.77	69.417	64.937	3.8755	3.1069
200	61589-1 1/2	2.4198	1134.7	163.37	156.21	6.9522	2.8971
201	61589-2 1/2	2.9586	826.53	130.72	145.98	6.9695	-.49170
202	61589-4 1/2	6.6573	1125.3	135.05	139.53	5.9296	1.3158
203	61589-5 1/2	1.5425	631.46	127.57	148.76	6.4534	-.90860

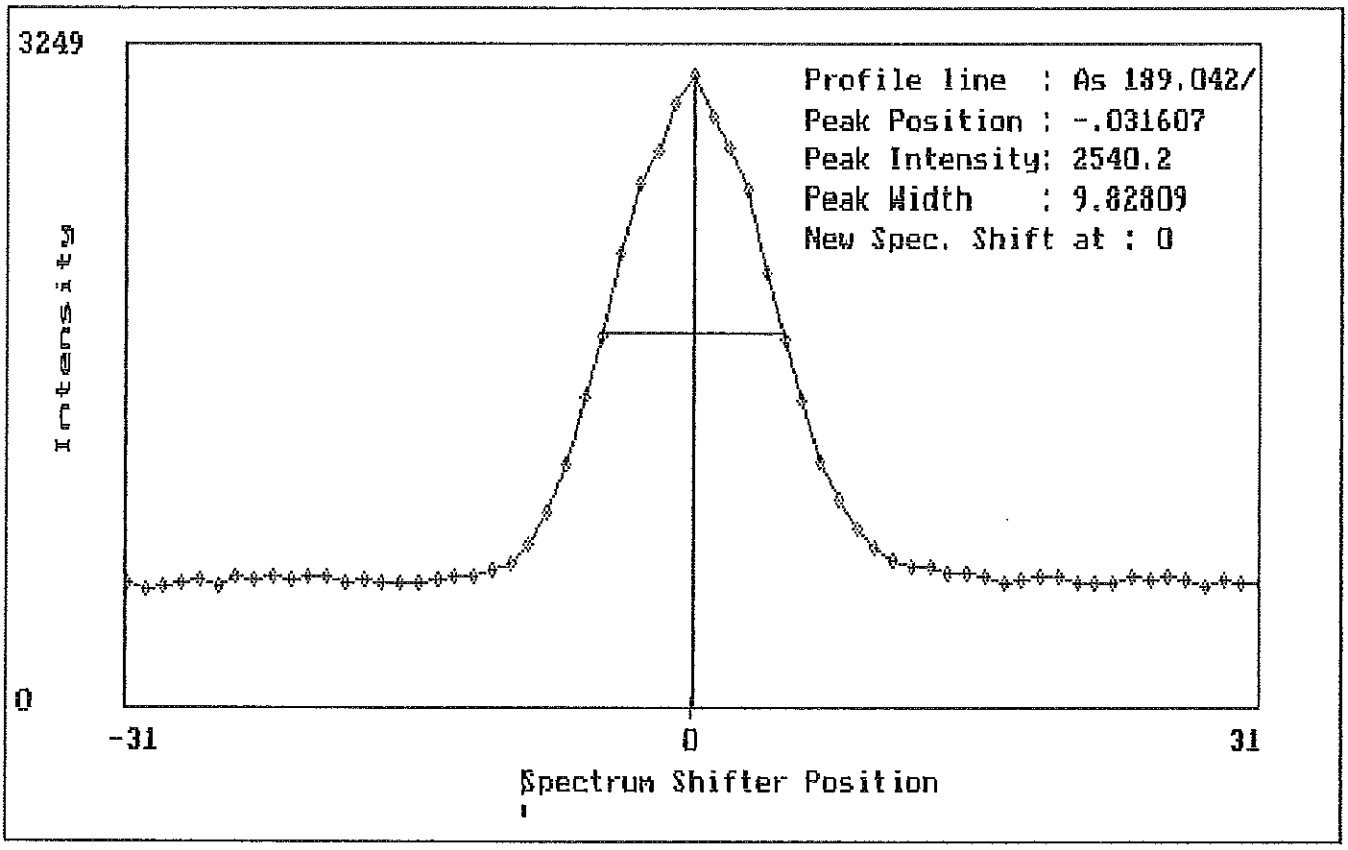
#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
204	61589-10 1/2	8.9120	1176.2	147.66	148.82	7.2879	.24774
205	61589-11 1/2	5.2769	977.24	133.94	159.44	8.6529	2.2972
206	61589-12 1/2	6.4136	1239.0	131.68	143.66	7.7042	.90643
207	CCV	506.44	7517.1	2547.6	511.53	5058.2	493.59
208	CCB	.59413	86.387	.36188	.25323	5.7341	-1.7896
209	61589-13 1/2	4.6927	1121.8	131.29	140.16	7.7207	-.82821
210	61589-19 1/2	8.4639	706.39	139.88	237.14	7.9705	11.147
211	RL ICP	11.772	1188.8	42.920	9.3226	23.579	21.089
212	RL ICP	9.7038	1352.4	42.242	10.601	26.310	22.043
213	ICSA61	-.62687	305.45	.12724	.39044	6.2102	4.2716
214	ICSAB61	1019.7	470.79	990.52	51.662	54.449	623.44
215	CCV	511.76	7495.0	2559.4	516.03	5078.4	498.74
216	CCB	1.5079	412.35	.26901	-.58091	3.7875	3.5016

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
1	HIGH STD 00034	9937.5	4972.0	995.54	9933.2	9967.0	4956.9
2	ICVP 00190	1006.9	1035.9	985.97	1008.0	993.42	1020.2
3	ICB	-.84552	-.05795	-.15358	-.62023	.35376	-.32150
4	RL ICP 00045	51.837	10.689	10.177	29.490	11.375	21.680
5	RL ICP 00045	48.699	10.529	10.138	29.032	9.9129	21.616
6	ICSA61 00022	1.6984	2.6332	1.2102	.06414	4.3054	4.5917
7	ICSAB61 00038	1000.2	2.6434	1.4173	112.00	517.11	995.49
8	CCVP 00072	4998.4	2559.4	497.84	5031.1	4970.7	2509.4
9	CCB	1.0706	-.01651	-.01744	-3.5113	1.3717	-.19099
10	PBS 181217	10.735	-.06083	-.28261	-.50911	.65465	2.6328
11	LCSS-1	1051.9	545.95	730.25	2149.1	513.64	528.67
12	61589-1	19.596	1848.8	1134.8	16.987	312.95	482.00
13	61589-2	13.864	1752.4	999.44	8.8231	251.55	426.49
14	61589-3	19.128	1823.5	1133.0	12.038	308.45	507.69
15	61589-4	11.913	1931.8	1197.7	7.6472	296.99	518.43
16	61589-5	11.812	1526.1	885.86	10.450	248.35	438.51
17	61589-6	14.491	1856.6	1060.0	7.5873	295.88	565.68
18	61589-7	14.536	1671.2	565.22	8.0801	259.14	548.73
19	61589-8	13.948	1983.4	845.46	6.1418	293.96	606.37
20	CCV	5089.6	2591.5	505.46	5120.2	5029.8	2556.2
21	CCB	-3.4682	-.00952	-.11882	-.06831	.40785	-.09585
22	61589-9	14.260	1959.4	752.77	9.6071	258.45	569.82
23	61589-10	13.360	2325.5	1121.8	12.303	286.28	487.06
24	61589-11	14.803	2066.6	1095.9	9.5843	280.69	478.23
25	61589-12	14.706	2318.7	1174.8	10.042	281.33	445.35
26	61589-13	14.056	2224.8	1092.4	10.431	268.01	437.22
27	61589-14	13.425	1789.4	659.80	8.1033	278.92	649.71
28	CCV	5150.3	2606.7	510.03	5189.3	5093.6	2589.3
29	CCB	.83230	.38616	.26858	4.2444	1.7842	.15883
30	61589-15	9.2201	1636.9	427.64	9.0730	206.34	522.26
31	61589-16	17.012	1900.9	748.88	10.241	284.44	728.38
32	61589-17	14.906	1775.8	681.05	12.389	276.16	617.06
33	61589-18	17.889	1947.4	863.48	8.1189	307.97	666.61
34	61589-19	19.638	2871.7	1261.0	4.8373	355.60	702.39
35	61589-20	102.31	1726.7	2536.9	18.011	386.45	798.27
36	61589-20L	19.809	391.73	573.19	2.4845	87.671	182.04
37	61589-20A	996.86	2156.7	3370.5	1749.2	793.75	1199.5

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
38	61589-20S	977.31	2118.7	3066.6	1785.0	797.22	1238.3
39	61589-20SD	1039.3	2100.7	3228.6	1920.3	836.06	1274.6
40	CCV	5147.2	2601.1	512.25	5172.3	5086.9	2578.7
41	CCB	3.4884	.80544	.41733	5.4922	2.7335	.75664
42	PBW 181222	12.171	.00506	.13323	.89634	.83800	2.8981
43	LCSW-1	1058.6	543.02	729.74	2175.2	515.85	536.22
44	61507-1	385.69	435.16	1777.6	5.4239	342.08	1137.6
45	61566-1	9.7301	1.7421	1.6911	1.0083	.55287	2194.9
46	61464-9	22.153	147.80	3299.0	.65463	98.624	201.43
47	61464-9L	1.9847	30.290	677.11	6.7908	21.029	41.407
48	61464-9A	1027.7	674.57	4205.0	1974.4	567.99	671.78
49	61464-9S	1010.1	670.91	3670.7	2059.7	575.49	788.08
50	61464-9SD	1027.5	678.77	4110.2	2084.6	588.13	712.80
51	61154-1	16.955	107.59	3484.1	6.2615	96.336	183.57
52	CCV	5040.6	2580.2	504.86	5096.2	5004.4	2520.4
53	CCB	.26313	.66738	.34352	-.23117	1.7083	.09638
54	61154-1S	1057.1	655.05	3579.3	2157.0	604.51	727.35
55	61154-1SD	1009.0	690.00	5051.4	2061.9	616.59	742.56
56	61337-2	12.878	.44820	3.4428	-.32402	.62898	3.3535
57	61337-3	13.641	6.4305	97.700	2.7317	2.7347	7.8365
58	PBW 181277	22.110	-.01577	.14927	-3.1414	.36289	5.8365
59	LCSW-1	1031.8	541.40	718.76	2133.1	506.21	518.54
60	60164-1	30.999	114.93	.35865	2.2024	1.2161	8.3113
61	60164-1L	3.8880	23.353	-.02327	-2.2508	.58663	1.6557
62	CCV	5098.2	2596.6	505.27	5143.3	5043.6	2549.2
63	CCB	1.9802	.99701	.35357	6.0972	2.6368	.69479
64	60164-1A	968.94	608.35	933.54	2013.7	484.36	498.49
65	60164-1S	1688.9	970.19	1172.5	3467.8	828.28	857.82
66	60164-1SD	2028.2	1177.9	1422.9	4182.6	1003.3	1023.1
67	60164-5	22.377	2.0765	2.5639	5.4858	.64832	3299.0
68	61453-1	26.602	.06603	.35514	2.2764	1.6382	27.624
69	61453-2	27.889	.13065	.22405	-2.9962	1.8711	81.738
70	61453-3	25.379	.67061	1.0319	-.05725	1.6736	6.1176
71	61453-4	53.240	3.9608	5.3452	3.5252	10.038	7759.2
72	CCV	5012.3	2566.9	499.19	5047.8	4992.7	2517.4
73	CCB	.83705	.33326	-.03440	6.2596	2.0510	.18146
74	PBW 181417	26.761	.01946	.19316	-4.6603	.33535	3.9718
75	LCSW-1	1076.8	552.36	739.27	2210.6	522.41	541.87
76	61453-5	57.499	5.4096	6.2986	6.2168	16.425	9319.1
77	61453-5L	10.935	1.0117	1.0326	2.2950	3.6212	1863.7
78	61453-5A	954.87	479.18	895.06	2136.3	526.80	9635.7
79	61453-5S	2208.9	1143.3	1525.3	4423.9	1084.5	10817.
80	61453-5SD	2080.8	1092.8	1461.8	4324.5	1065.3	10373.
81	CCV	5116.1	2586.4	506.11	5147.0	5055.7	2567.2
82	CCB	.94307	.44383	.23771	2.6815	1.2650	.84447
83	PBW 181319	-1.3950	.11442	.14122	6.2083	1.5792	3.2315
84	LCSW-1	1020.4	528.25	706.33	2134.8	503.60	518.79
85	61551-1	2.5192	38.443	5.6603	5.6031	2.2937	9.8083
86	61551-1L	-1.8119	7.6076	.78668	1.1888	.73515	1.6613
87	61551-1A	1052.7	578.59	1019.8	2168.0	509.32	540.51
88	61551-1S	1046.7	578.58	726.66	2172.2	510.64	540.69
89	61551-1SD	1015.8	566.46	705.68	2117.1	495.56	522.54
90	61551-2	-2.0772	36.213	.85775	.78176	.65558	24.512
91	61551-3	-2.6042	30.097	.58059	-.17508	1.0797	23.665

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
92	61551-4	-2.1671	28.819	.34741	.32047	.54485	16.152
93	CCV	5145.7	2599.6	505.98	5182.5	5062.4	2577.5
94	CCB	.98824	.83054	.30057	6.9275	2.1250	.75334
95	61551-5	-2.1727	33.189	-.14375	4.4584	.56884	12.661
96	61551-6	-.47646	29.627	.55934	1.2362	.98203	14.236
97	61551-7	-1.5098	33.889	.29312	4.0375	.98569	10.687
98	61551-8	-4.0896	31.530	.33570	-1.9483	1.0854	14.191
99	61551-9	-2.3165	35.466	-.06910	1.9911	.93959	12.587
100	61551-10	-4.4362	34.696	.33603	.20147	1.2170	11.133
101	61551-11	.38305	33.526	.40091	2.3575	1.4299	12.137
102	61551-12	-3.1654	36.070	.11049	3.9369	.88663	11.878
103	61551-13	-1.1436	33.420	-.05763	3.3486	.75607	12.079
104	61551-14	-1.4419	34.947	.28186	-1.4777	1.3307	8.7320
105	CCV	5170.2	2620.9	507.27	5230.7	5076.7	2593.9
106	CCB	3.8044	.89507	.31162	5.3055	2.8528	.96507
107	61551-15	-.94253	34.555	-.17708	1.0960	.67666	10.440
108	61551-16	-2.8904	35.367	.93302	.82428	1.2101	8.2885
109	61551-17	-3.6407	35.515	.31570	3.3506	1.1712	13.958
110	61551-18	-1.7215	36.394	.04620	2.2348	1.3747	9.9398
111	61551-19	-1.2535	34.846	.66710	.39315	1.0880	13.304
112	61551-20	-5.7653	36.392	-.14218	-3.9533	.68168	13.985
113	61551-20S	1046.5	579.67	719.11	2179.8	508.88	546.53
114	61551-20SD	1032.1	571.59	707.47	2144.4	500.04	535.95
115	CCV	5117.0	2603.5	503.03	5183.2	5024.4	2563.6
116	CCB	1.4660	.72993	.21384	2.6686	2.1687	.90536
117	PBW 181332	-3.7107	-.02259	-.35198	.16845	.35800	2.7723
118	LCSW-1	1073.8	558.44	739.92	2220.6	521.12	540.93
119	61551-21	-.91693	34.949	.08902	4.4491	1.0878	4.8259
120	61551-21L	-2.2502	6.9315	-.02247	.42155	-.12608	1.0605
121	61551-21A	1069.4	584.53	1026.7	2139.5	501.25	530.50
122	61551-21S	1061.5	581.88	725.48	2188.8	512.11	546.74
123	61551-21SD	1058.4	581.13	724.97	2190.5	512.04	542.45
124	61551-22	-2.3153	35.451	.83469	3.0610	.88940	8.2293
125	61551-23	-1.9488	35.696	.16447	2.0450	1.2206	15.063
126	61551-24	-1.0084	34.956	1.0757	-3.9603	.93376	16.191
127	CCV	5082.8	2574.3	498.25	5143.7	4984.3	2553.9
128	CCB	-.75795	.59309	.14838	4.9490	2.4283	.61483
129	61551-25	-2.6204	36.110	.55206	4.4172	1.7933	39.886
130	61551-26	-1.8372	35.048	.30429	.02146	.60808	9.1944
131	61551-27	-1.7373	35.315	.81980	-.36064	1.1639	11.537
132	61551-28	-2.3038	33.810	.46357	-2.2172	1.0832	11.185
133	61551-29	-2.1922	35.268	1.3369	-1.9853	.88383	12.614
134	61551-30	-2.2378	34.931	.51503	2.4996	.67615	11.503
135	61551-31	-2.8567	35.736	.42207	2.4760	1.2657	7.7447
136	61551-32	-.67760	36.403	1.0444	-6.0046	.96126	7.0013
137	61551-33	-2.5419	34.758	.71235	-2.2242	1.5236	9.3843
138	61554-34	-.59784	36.463	1.4415	3.0619	.37199	7.8124
139	CCV	5163.0	2614.0	506.03	5215.3	5071.3	2596.9
140	CCB	1.7315	.71736	.07415	2.9647	2.0844	.42008
141	61551-35	-4.2060	35.370	1.0956	-.65489	1.5881	10.982
142	61551-36	-2.7478	36.376	1.0273	.73402	.29698	6.2095
143	61551-37	-2.2357	37.342	1.3199	2.7272	1.4023	13.771
144	61551-38	-3.1465	37.125	1.2562	.78382	.09086	14.883
145	61551-39	-1.6211	33.889	1.0632	-1.7209	1.1332	8.9137

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
146	61551-40	-2.7985	35.914	2.0246	-1.0052	1.3382	6.3021
147	61551-40S	1064.2	587.53	729.92	2185.9	513.37	542.08
148	61551-40SD	1075.0	596.25	739.66	2219.6	519.71	549.65
149	CCV	5158.3	2615.1	505.94	5210.7	5067.6	2596.5
150	CCB	.26661	.41278	.22573	3.6384	1.1761	.22322
151	PBW 181383	.41133	.05426	-.07326	2.3636	.58566	2.4811
152	LCSW-1	1020.9	531.46	701.99	2112.4	498.80	516.63
153	61551-41	-1.1796	34.403	1.5870	4.0118	.60169	7.3559
154	61551-42	-2.2132	35.867	1.2328	3.8948	.24840	3.9458
155	61551-43	-.95923	30.235	.13249	5.9815	1.2390	11.025
156	61551-44	-2.0090	32.682	.85170	-2.0620	.45055	9.8805
157	61551-45	-2.1147	34.908	1.0645	1.1011	1.2214	9.4040
158	61551-46	-4.6335	29.828	.08867	.08497	1.0603	11.441
159	61551-47	-1.0675	34.973	.78655	1.1354	1.3456	5.8556
160	61551-48	-5.2845	34.948	1.0220	-2.9628	-.11467	5.7154
161	CCV	5171.1	2615.5	506.53	5211.8	5082.6	2600.3
162	CCB	2.6508	.85688	.20371	7.0539	2.4182	1.0940
163	61551-49	-.79236	32.134	.30355	.61379	1.5817	14.297
164	61551-50	-3.5097	35.152	.75552	-1.3993	.42456	9.9320
165	61551-51	-3.9351	31.107	.09789	2.3876	.60517	11.132
166	61551-52	-2.0169	30.621	.07742	-3.1719	.42357	8.0492
167	61442-1	-3.0295	76.651	-.10102	.69588	1.5380	7.3802
168	61428-1	-3.5239	127.72	-.08933	-1.3175	-.17765	101.81
169	61497-1	-1.6973	656.20	.22913	4.4680	1.5847	6.8519
170	61497-1S	1047.2	1216.4	725.71	2155.9	516.84	528.73
171	61497-1SD	1064.4	1241.3	738.19	2188.9	525.50	540.70
172	61568-1	86.829	48.422	9.4920	5.0424	26.553	56.887
173	CCV	5046.8	2594.7	500.91	5118.8	5021.8	2532.8
174	CCB	3.6532	.93003	.32201	.59902	2.4049	.77916
175	61550-1	-.17582	65.495	10.590	1.3817	3.1223	16.908
176	61544-1	-1.4375	55.488	.02657	3.8361	1.5442	24.754
177	61563-1	-.49678	4263.5	1.1226	5.0214	14.584	83.068
178	CCV	5001.6	2573.5	497.29	5063.2	4990.7	2507.2
179	CCB	.14290	.45304	.13862	2.9545	1.3623	.09800
180	PBW 181442	-1.3755	-.02572	-.16092	.17034	1.0749	.99059
181	LCSW-1	1043.9	546.32	726.52	2146.7	512.34	527.16
182	LCSW-2	1033.2	541.00	718.85	2123.4	505.34	520.41
183	61650-4	2.8507	18.049	476.70	4.4267	109.37	142.52
184	61650-5	-1.7288	45.112	101.70	-4.4569	36.508	172.74
185	61650-6	-1.0790	64.430	30.055	1.7357	7.3034	39.073
186	61650-6L	-3.2404	12.805	5.7007	2.4374	1.6519	8.2616
187	61650-6A	528.08	338.06	544.29	2042.2	497.21	542.84
188	CCV	5093.7	2559.8	500.88	5104.5	5035.4	2570.3
189	CCB	2.0465	.43759	.21386	5.1001	2.8593	.64609
190	61427-1	-.93655	468.05	.29763	1.8231	.53504	199.51
191	61427-1L	-4.6463	95.397	-.35335	2.2214	.82325	40.908
192	61427-1A	1049.4	1003.8	1021.2	2066.8	502.30	720.89
193	61427-1S	1053.9	1008.7	729.26	2117.3	519.91	737.05
194	61427-1SD	1061.1	1017.6	734.83	2127.6	520.91	741.89
195	CCV	4997.5	2509.7	492.68	5012.9	4958.4	2531.7
196	CCB	2.3352	.32659	.14952	6.2082	1.8482	.19401
197	CCV	5104.7	2550.5	501.87	5095.3	5075.9	2585.4
198	CCB	-2.0926	-.05470	-.14060	.64691	1.1226	-.51391
199	61589-1 1/5	2.6302	433.78	267.73	7.6098	75.574	118.53


3249
Intensity
0
-31
0
31
Spectrum Shifter Position
Profile line : As 189.042/
Peak Position : -.031607
Peak Intensity: 2540.2
Peak Width : 9.82809
New Spec. Shift at : 0

D092910

Method: 2PTTR2 Standard Name: CALBLK Operator: BCB
Run Time: 09/29/10 14:23:16
Comment:
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	-.017163	.8832873	.8832873	.0023163	.0343296	-.012987	-.098349
SDev	.012460	.0181151	.0181151	.0229618	.0000099	.015742	.005220
%RSD	72.60053	2.050868	2.050868	991.3370	.0288589	121.2107	5.307833
#1	-.025974	.8960966	.8960966	.0185527	.0343225	-.024119	-.102040
#2	-.008352	.8704780	.8704780	-.013920	.0343366	-.001856	-.094658
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	.0788657	-.031079	.0134526	.0069582	.3043262	.0023236	.0023236
SDev	.0039592	.020329	.0059008	.0032784	.0038486	.0282118	.0282118
%RSD	5.020165	65.41108	43.86330	47.11479	1.264622	1214.121	1214.121
#1	.0760662	-.045454	.0176251	.0092764	.3070476	-.017625	-.017625
#2	.0816653	-.016704	.0092801	.0046401	.3016049	.0222724	.0222724
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	.1498602	.0000000	.0000000	.0120614	-.005565	-.013448	-.067729
SDev	.1135437	.0000000	.0000000	.0026208	.011808	.034768	.015726
%RSD	75.76638	.0000000	.0000000	21.72895	212.1681	258.5273	23.21926
#1	.0695727	.0000000	.0000000	.0139145	-.013915	-.038033	-.078849
#2	.2301477	.0000000	.0000000	.0102082	.0027840	.0111362	-.056609
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	.0199608	.0292429	.0074220	-.013454	-.100188	-.007885	.0023202
SDev	.0872633	.1135088	.0039343	.003284	.118064	.012463	.0045932
%RSD	437.1724	388.1588	53.00820	24.41099	117.8423	158.0664	197.9622
#1	-.041744	-.051020	.0102040	-.011132	-.183672	-.016697	-.000928
#2	.0816653	.1095058	.0046401	-.015776	-.016704	.0009280	.0055681
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	-.273222	.1493748	-.304763	-.037113
SDev	.156722	.0353848	.192141	.002635
%RSD	57.36079	23.68857	63.04607	7.099861
#1	-.384041	.1743956	-.440627	-.035250
#2	-.162403	.1243540	-.168899	-.038977
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1078	--	--	--	--	--	--
SDev	.3110855	--	--	--	--	--	--
%RSD	.0288633	--	--	--	--	--	--
#1	1078	--	--	--	--	--	--
#2	1078	--	--	--	--	--	--

Method: 2PTTR2 Standard Name: HIGH STD Operator: BCB
Run Time: 09/29/10 14:42:20
Comment: 00034
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	20.23743	47.30085	47.29901	42.88261	228.4533	741.8076	128.7720
SDev	.06307	.09402	.09142	.24418	1.2462	1.8201	.5725
%RSD	.3116531	.1987713	.1932815	.5694258	.5454746	.2453567	.4446060
#1	20.28203	47.36734	47.36366	43.05528	229.3345	743.0946	129.1769
#2	20.19283	47.23437	47.23437	42.70995	227.5722	740.5206	128.3672
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	16.21409	73.61220	33.69545	229.6932	285.8013	8.152882	8.152882
SDev	.03581	.36664	.10408	.5826	1.3007	.026564	.026564
%RSD	.2208530	.4980639	.3088818	.2536640	.4551165	.3258232	.3258232
#1	16.23941	73.87145	33.76904	230.1051	286.7210	8.171665	8.171665
#2	16.18877	73.35295	33.62185	229.2811	284.8815	8.134098	8.134098
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	41.27628	3.015413	3.015413	783.3066	12.53581	.8232386	251.3328
SDev	.34656	.010393	.010393	2.2016	.04208	.0054659	1.1441
%RSD	.8396214	.3446595	.3446595	.2810643	.3356574	.6639558	.4551944
#1	41.03122	3.022762	3.022762	784.8633	12.56557	.8193736	252.1418
#2	41.52133	3.008064	3.008064	781.7498	12.50606	.8271036	250.5238
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	19.49548	202.2398	721.0183	43.21941	163.1266	180.7842	72.39130
SDev	.03211	.7194	.5698	.09561	.8070	.4687	.19058
%RSD	.1647248	.3557304	.0790299	.2212309	.4946992	.2592354	.2632664
#1	19.47277	202.7485	721.4212	43.28702	163.6972	181.1156	72.52606
#2	19.51818	201.7311	720.6154	43.15180	162.5560	180.4528	72.25654
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	54.12067	56.94745	213.4799	182.3655
SDev	.02301	.91613	1.4221	2.8986

%RSD	.0425089	1.608735	.6661671	1.589459
#1	54.10441	57.59525	214.4855	184.4152
#2	54.13694	56.29964	212.4743	180.3159
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7	
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--	
Wavlen	371.030	--	--	--	--	--	--	
Avge	1091	--	--	--	--	--	--	
SDev	5.637606	--	--	--	--	--	--	
%RSD	.5165469	--	--	--	--	--	--	
#1	1087	--	--	--	--	--	--	
#2	1095	--	--	--	--	--	--	

Method: 2PTTR2
Mode: Concentration
Standards Table: 2PTONLY
Data File: DD092910

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
Ag	328.068	09/29/10 02:47	Linear	1.000000
Al	308.215	09/29/10 02:47	Linear	1.000000
2Al	308.215	09/29/10 02:47	Linear	1.000000
As	189.042/2	09/29/10 02:47	Linear	1.000000
B	249.678/2	09/29/10 02:47	Linear	1.000000
Ba	493.409	09/29/10 02:47	Linear	1.000000
Be	313.042	09/29/10 02:47	Linear	1.000000
Ca	317.933	09/29/10 02:47	Linear	1.000000
Cd	226.502/2	09/29/10 02:47	Linear	1.000000
Co	228.616	09/29/10 02:47	Linear	1.000000
Cr	267.716	09/29/10 02:47	Linear	1.000000
Cu	324.753	09/29/10 02:47	Linear	1.000000
Fe	271.441	09/29/10 02:47	Linear	1.000000
2Fe	271.441	09/29/10 02:47	Linear	1.000000
K	766.491	09/29/10 02:47	Linear	1.000000
Mg	279.078	09/29/10 02:47	Linear	1.000000
2Mg	279.078	09/29/10 02:47	Linear	1.000000
Mn	257.610	09/29/10 02:47	Linear	1.000000
Mo	202.030/2	09/29/10 02:47	Linear	1.000000
Na	330.231	09/29/10 02:47	Linear	1.000000
Ni	231.604/2	09/29/10 02:47	Linear	1.000000
Sb	206.838/2	09/29/10 02:47	Linear	1.000000
Sn	189.989	09/29/10 02:47	Linear	1.000000
Sr	421.542	09/29/10 02:47	Linear	1.000000
Ti	334.941	09/29/10 02:47	Linear	1.000000
Tl	190.864/2	09/29/10 02:47	Linear	1.000000
V	292.402	09/29/10 02:47	Linear	1.000000
Zn	206.200	09/29/10 02:47	Linear	1.000000
2203/1	220.351	09/29/10 02:47	Linear	1.000000
2203/2	220.352/2	09/29/10 02:47	Linear	1.000000

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
1960/1	196.021	09/29/10 02:47	Linear	1.000000
1960/2	196.022/2	09/29/10 02:47	Linear	1.000000

Element:	Ag	Al	2Al	As	B
Wavelength:	328.068	308.215	308.215	189.042/2	249.678/2
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	04/27/99	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	16:03	STDIZED
Offset (A0):	-.017163	.883287	.883287	.002316	.03433
Gain (A1):	.020255	.004559	4.55905	.044377	.022845
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/29/10	09/29/10	09/29/10	09/29/10	09/29/10
Time of Fit:	14:47	14:47	14:47	14:47	14:47

Element:	Ba	Be	Ca	Cd	Co
Wavelength:	493.409	313.042	317.933	226.502/2	228.616
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.012987	-.098349	.078866	-.031079	.013453
Gain (A1):	.074182	.128857	.001614	.073596	.033691
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/29/10	09/29/10	09/29/10	09/29/10	09/29/10
Time of Fit:	14:47	14:47	14:47	14:47	14:47

Element:	Cr	Cu	Fe	2Fe	K
Wavelength:	267.716	324.753	271.441	271.441	766.491
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1

Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	.006958	.304326	.002324	.002324	.14986
Gain (A1):	.022973	.028552	.000823	.822956	.002056
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/29/10	09/29/10	09/29/10	09/29/10	09/29/10
Time of Fit:	14:47	14:47	14:47	14:47	14:47

Element:	Mg	2Mg	Mn	Mo	Na
Wavelength:	279.078	279.078	257.610	202.030/2	330.231
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-195e-18	-96e-18	.012061	-.005565	-.013448
Gain (A1):	.000304	.303973	.078338	.012541	.000057
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/29/10	09/29/10	09/29/10	09/29/10	09/29/10
Time of Fit:	14:47	14:47	14:47	14:47	14:47

Element:	Ni	Sm	Sm	Sb	Sn
Wavelength:	231.604/2	220.353	196.026	206.838/2	189.989
Y - intercept:	0	0	0	0	0
Slope:	1	0	0	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.067729	0	0	.019961	.029243
Gain (A1):	.050286	1	1	.01844	.020225
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/29/10	NO FIT	NO FIT	09/29/10	09/29/10
Time of Fit:	14:47			14:47	14:47

Element:	Sr	Ti	Tl	V	Zn
Wavelength:	421.542	334.941	190.864/2	292.402	206.200
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT STDIZED	NOT STDIZED	04/27/99 16:03	NOT STDIZED	NOT STDIZED
Offset (A0):	.007422	-.013454	-.100188	-.007885	.00232
Gain (A1):	.144202	.043236	.016377	.018157	.014519
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	09/29/10	09/29/10	09/29/10	09/29/10	09/29/10
Time of Fit:	14:47	14:47	14:47	14:47	14:47

Element:	Pb	Pb	Se	Se
Wavelength:	220.351	220.352/2	196.021	196.022/2
Y - intercept:	0	0	0	0
Slope:	1	1	1	1
Date Standardized:	04/27/99	04/27/99	04/27/99	04/27/99
Time Standardized:	16:03	16:03	16:03	16:03
Offset (A0):	-.273222	.149375	-.304763	-.037113
Gain (A1):	.05404	.056987	.02137	.018239
Curvature (A2):	0	0	0	0
Exponent (n):	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE
Date of Fit:	09/29/10	09/29/10	09/29/10	09/29/10
Time of Fit:	14:47	14:47	14:47	14:47

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
HIGH STD 00034	Ag	992.41772	994.90435	989.93109	0.35434	ug/L	09/29/10	14:47	
HIGH STD 00034	Al	9935.36230	9944.73535	9925.98925	0.13341	ug/L	09/29/10	14:47	
HIGH STD 00034	2Al	9.93516	9.94433	9.92598	0.13057	mg/L	09/29/10	14:47	
HIGH STD 00034	As	994.02709	1000.33862	987.71551	0.89795	ug/L	09/29/10	14:47	
HIGH STD 00034	B	9948.21289	9989.69433	9906.73242	0.58968	ug/L	09/29/10	14:47	
HIGH STD 00034	Ba	9951.07617	9943.38867	9958.76269	0.10924	ug/L	09/29/10	14:47	
HIGH STD 00034	Be	994.65429	999.63421	989.67443	0.70804	ug/L	09/29/10	14:47	
HIGH STD 00034	Ca	9930.91015	9971.43652	9890.38378	0.57711	ug/L	09/29/10	14:47	
HIGH STD 00034	Cd	992.91809	997.51312	988.32299	0.65447	ug/L	09/29/10	14:47	
HIGH STD 00034	Co	992.43762	996.77966	988.09558	0.61873	ug/L	09/29/10	14:47	
HIGH STD 00034	Cr	9956.96484	9994.41894	9919.50976	0.53197	ug/L	09/29/10	14:47	
HIGH STD 00034	Cu	9931.71777	9946.04296	9917.39257	0.20398	ug/L	09/29/10	14:47	
HIGH STD 00034	Fe	9947.98242	9987.44628	9908.51953	0.56101	ug/L	09/29/10	14:47	
HIGH STD 00034	2Fe	9.94798	9.98744	9.90852	0.56099	mg/L	09/29/10	14:47	
HIGH STD 00034	K	20037.58593	19906.03320	20169.13867	0.92847	ug/L	09/29/10	14:47	
HIGH STD 00034	Mg	9924.36523	9979.39062	9869.34082	0.78410	ug/L	09/29/10	14:47	
HIGH STD 00034	2Mg	9.92438	9.97940	9.86935	0.78406	mg/L	09/29/10	14:47	
HIGH STD 00034	Mn	9964.93945	10009.88574	9919.99414	0.63786	ug/L	09/29/10	14:47	
HIGH STD 00034	Mo	993.90942	995.06750	992.75134	0.16478	ug/L	09/29/10	14:47	
HIGH STD 00034	Na	15165.10742	15423.35253	14906.86230	2.40825	ug/L	09/29/10	14:47	
HIGH STD 00034	Ni	4960.42578	4980.44140	4940.41064	0.57063	ug/L	09/29/10	14:47	
HIGH STD 00034	Pb	989.46044	992.72344	986.19744	0.46637	ug/L	09/29/10	14:47	
HIGH STD 00034	Se	9882.51171	9913.77636	9851.24707	0.44740	ug/L	09/29/10	14:47	
HIGH STD 00034	Sb	991.70385	995.43811	987.96960	0.53252	ug/L	09/29/10	14:47	
HIGH STD 00034	Sn	9937.51367	9987.03515	9887.99218	0.70474	ug/L	09/29/10	14:47	
HIGH STD 00034	Sr	4971.97753	4967.13037	4976.82470	0.13787	ug/L	09/29/10	14:47	
HIGH STD 00034	Ti	995.54296	997.54266	993.54327	0.28406	ug/L	09/29/10	14:47	
HIGH STD 00034	Tl	9933.23437	9962.95800	9903.50976	0.42318	ug/L	09/29/10	14:47	
HIGH STD 00034	V	9966.98632	9993.30273	9940.66894	0.37340	ug/L	09/29/10	14:47	
HIGH STD 00034	Zn	4956.89355	4985.23681	4928.54980	0.80864	ug/L	09/29/10	14:47	
HIGH STD 00034	2203/1	994.66650	996.03125	993.30169	0.19404	ug/L	09/29/10	14:47	
HIGH STD 00034	2203/2	986.85302	991.06372	982.64233	0.60341	ug/L	09/29/10	14:47	
HIGH STD 00034	1960/1	9914.62109	9932.18652	9897.05566	0.25055	ug/L	09/29/10	14:47	
HIGH STD 00034	1960/2	9866.48046	9904.58496	9828.37695	0.54616	ug/L	09/29/10	14:47	
HIGH STD 00034	Y	1093.38671	1095.00158	1091.77197	0.20886		09/29/10	14:47	
ICVP 00190	Ag	984.17864	984.42395	983.93334	0.03524	ug/L	09/29/10	15:00	
ICVP 00190	Al	988.17254	987.45703	988.88806	0.10240	ug/L	09/29/10	15:00	
ICVP 00190	2Al	0.98811	0.98729	0.98892	0.11673	mg/L	09/29/10	15:00	
ICVP 00190	As	1008.49853	1014.90124	1002.09588	0.89784	ug/L	09/29/10	15:00	
ICVP 00190	B	1008.57287	1008.89758	1008.24810	0.04553	ug/L	09/29/10	15:00	
ICVP 00190	Ba	1005.66717	1006.12689	1005.20745	0.06464	ug/L	09/29/10	15:00	
ICVP 00190	Be	1012.65808	1011.90252	1013.41363	0.10551	ug/L	09/29/10	15:00	
ICVP 00190	Ca	1003.84405	1003.92059	1003.76751	0.01078	ug/L	09/29/10	15:00	
ICVP 00190	Cd	1019.44921	1020.99243	1017.90600	0.21407	ug/L	09/29/10	15:00	
ICVP 00190	Co	1011.24548	1011.74890	1010.74200	0.07040	ug/L	09/29/10	15:00	
ICVP 00190	Cr	1020.11450	1019.52984	1020.69909	0.08104	ug/L	09/29/10	15:00	
ICVP 00190	Cu	1006.34936	1006.48901	1006.20977	0.01962	ug/L	09/29/10	15:00	
ICVP 00190	Fe	1023.99133	1026.01196	1021.97070	0.27906	ug/L	09/29/10	15:00	
ICVP 00190	2Fe	1.02427	1.02630	1.02225	0.27899	mg/L	09/29/10	15:00	
ICVP 00190	K	19401.70703	19416.11132	19387.30468	0.10498	ug/L	09/29/10	15:00	
ICVP 00190	Mg	1008.71496	1007.56134	1009.86853	0.16173	ug/L	09/29/10	15:00	
ICVP 00190	2Mg	1.00871	1.00756	1.00986	0.16169	mg/L	09/29/10	15:00	
ICVP 00190	Mn	1017.23352	1017.92993	1016.53717	0.09681	ug/L	09/29/10	15:00	
ICVP 00190	Mo	1018.17578	1016.74127	1019.61035	0.19925	ug/L	09/29/10	15:00	
ICVP 00190	Na	9825.81250	9645.67578	10005.94824	2.59267	ug/L	09/29/10	15:00	
ICVP 00190	Ni	1015.56805	1015.35040	1015.78570	0.03030	ug/L	09/29/10	15:00	
ICVP 00190	Pb	999.98114	1000.10003	999.86224	0.01681	ug/L	09/29/10	15:00	
ICVP 00190	Se	1019.27209	1017.82434	1020.71990	0.20087	ug/L	09/29/10	15:00	
ICVP 00190	Sb	962.24188	960.30218	964.18157	0.28507	ug/L	09/29/10	15:00	
ICVP 00190	Sn	1006.93066	1008.82678	1005.03448	0.26631	ug/L	09/29/10	15:00	
ICVP 00190	Sr	1035.86840	1036.54736	1035.18933	0.09270	ug/L	09/29/10	15:00	
ICVP 00190	Ti	985.97131	986.29693	985.64569	0.04670	ug/L	09/29/10	15:00	
ICVP 00190	Tl	1007.99414	1012.90551	1003.08276	0.68906	ug/L	09/29/10	15:00	
ICVP 00190	V	993.42492	994.78582	992.06402	0.19373	ug/L	09/29/10	15:00	
ICVP 00190	Zn	1020.23913	1020.39733	1020.08087	0.02193	ug/L	09/29/10	15:00	
ICVP 00190	2203/1	1001.60534	1005.94519	997.26544	0.61276	ug/L	09/29/10	15:00	
ICVP 00190	2203/2	999.17028	997.18182	1001.15869	0.28144	ug/L	09/29/10	15:00	
ICVP 00190	1960/1	1021.95251	1024.47265	1019.43243	0.34874	ug/L	09/29/10	15:00	
ICVP 00190	1960/2	1017.93389	1014.50512	1021.36267	0.47635	ug/L	09/29/10	15:00	
ICVP 00190	Y	1096.50195	1096.12805	1096.87597	0.04823		09/29/10	15:00	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICB	Ag	0.96239	1.07743	0.84736	16.90393	ug/L	09/29/10	15:07	
ICB	Al	1.41268	-2.81577	5.64113	423.30349	ug/L	09/29/10	15:07	
ICB	2Al	0.00141	-0.00281	0.00564	423.30477	mg/L	09/29/10	15:07	
ICB	As	-1.28705	-0.93682	-1.63729	38.48336	ug/L	09/29/10	15:07	
ICB	B	3.16139	2.98394	3.33884	7.93783	ug/L	09/29/10	15:07	
ICB	Ba	0.01768	-0.01337	0.04874	248.43893	ug/L	09/29/10	15:07	
ICB	Be	0.01611	0.03274	-0.00051	145.96632	ug/L	09/29/10	15:07	
ICB	Ca	0.35651	-0.35918	1.07221	283.90228	ug/L	09/29/10	15:07	
ICB	Cd	0.15586	0.08092	0.23080	67.99426	ug/L	09/29/10	15:07	
ICB	Co	-0.87185	-0.92394	-0.81976	8.44912	ug/L	09/29/10	15:07	
ICB	Cr	-0.48502	-0.78962	-0.18042	88.81487	ug/L	09/29/10	15:07	
ICB	Cu	-0.47897	-0.44172	-0.51622	10.99819	ug/L	09/29/10	15:07	
ICB	Fe	-0.46039	-8.41342	7.49262	2442.93872	ug/L	09/29/10	15:07	
ICB	2Fe	-0.00046	-0.00841	0.00749	2441.66894	mg/L	09/29/10	15:07	
ICB	K	8.93605	6.43755	11.43454	39.54099	ug/L	09/29/10	15:07	
ICB	Mg	-1.53360	-3.06880	0.00160	141.56895	ug/L	09/29/10	15:07	
ICB	2Mg	-0.00153	-0.00306	0.00000	141.44902	mg/L	09/29/10	15:07	
ICB	Mn	-0.01062	-0.05873	0.03748	640.41705	ug/L	09/29/10	15:07	
ICB	Mo	-0.63934	0.29512	-1.57382	206.70187	ug/L	09/29/10	15:07	
ICB	Na	325.12207	284.01910	366.22503	17.87893	ug/L	09/29/10	15:07	
ICB	Ni	0.08223	0.28968	-0.12521	356.76919	ug/L	09/29/10	15:07	
ICB	Pb	0.44622	-0.42704	1.31948	276.76431	ug/L	09/29/10	15:07	
ICB	Se	2.31640	2.04753	2.58527	16.41521	ug/L	09/29/10	15:07	
ICB	Sb	-0.50252	-1.32564	0.32059	231.64302	ug/L	09/29/10	15:07	
ICB	Sn	-0.84552	-0.98714	-0.70390	23.68649	ug/L	09/29/10	15:07	
ICB	Sr	-0.05795	-0.05793	-0.05796	0.04370	ug/L	09/29/10	15:07	
ICB	Ti	-0.15358	-0.14149	-0.16567	11.12890	ug/L	09/29/10	15:07	
ICB	Tl	-0.62023	0.02474	-1.26522	147.06365	ug/L	09/29/10	15:07	
ICB	V	0.35376	0.32651	0.38100	10.89161	ug/L	09/29/10	15:07	
ICB	Zn	-0.32150	-0.28931	-0.35369	14.16078	ug/L	09/29/10	15:07	
ICB	2203/1	4.24770	5.54042	2.95498	43.03915	ug/L	09/29/10	15:07	
ICB	2203/2	-1.45167	-3.40630	0.50295	190.41932	ug/L	09/29/10	15:07	
ICB	1960/1	6.36284	8.11168	4.61400	38.86999	ug/L	09/29/10	15:07	
ICB	1960/2	0.29621	-0.97999	1.57243	609.29522	ug/L	09/29/10	15:07	
ICB	Y	1070.01843	1072.97521	1067.06164	0.39079		09/29/10	15:07	
RL ICP 00045	Ag	11.26765	11.74745	10.78786	6.02195	ug/L	09/29/10	15:15	
RL ICP 00045	Al	209.02450	212.08477	205.96421	2.07051	ug/L	09/29/10	15:15	
RL ICP 00045	2Al	0.20903	0.21209	0.20597	2.07051	mg/L	09/29/10	15:15	
RL ICP 00045	As	18.78434	18.61574	18.95293	1.26928	ug/L	09/29/10	15:15	
RL ICP 00045	B	106.17453	104.12505	108.22402	2.72985	ug/L	09/29/10	15:15	
RL ICP 00045	Ba	10.60117	10.58536	10.61698	0.21089	ug/L	09/29/10	15:15	
RL ICP 00045	Be	4.12309	4.11869	4.12748	0.15074	ug/L	09/29/10	15:15	
RL ICP 00045	Ca	517.00170	513.29656	520.70678	1.01350	ug/L	09/29/10	15:15	
RL ICP 00045	Cd	5.44300	5.46413	5.42186	0.54909	ug/L	09/29/10	15:15	
RL ICP 00045	Co	10.01258	10.35034	9.67482	4.77063	ug/L	09/29/10	15:15	
RL ICP 00045	Cr	9.81743	9.83238	9.80247	0.21538	ug/L	09/29/10	15:15	
RL ICP 00045	Cu	20.59055	20.17324	21.00786	2.86617	ug/L	09/29/10	15:15	
RL ICP 00045	Fe	61.46455	66.22662	56.70248	10.95685	ug/L	09/29/10	15:15	
RL ICP 00045	2Fe	0.06146	0.06622	0.05669	10.95639	mg/L	09/29/10	15:15	
RL ICP 00045	K	1010.29223	1025.03063	995.55383	2.06309	ug/L	09/29/10	15:15	
RL ICP 00045	Mg	516.14318	513.81323	518.47320	0.63840	ug/L	09/29/10	15:15	
RL ICP 00045	2Mg	0.51599	0.51366	0.51832	0.63864	mg/L	09/29/10	15:15	
RL ICP 00045	Mn	10.34515	10.28000	10.41029	0.89051	ug/L	09/29/10	15:15	
RL ICP 00045	Mo	10.06385	9.72445	10.40324	4.76934	ug/L	09/29/10	15:15	
RL ICP 00045	Na	1384.89062	1209.35192	1560.42932	17.92554	ug/L	09/29/10	15:15	
RL ICP 00045	Ni	42.53493	42.78179	42.28807	0.82076	ug/L	09/29/10	15:15	
RL ICP 00045	Pb	10.99369	10.55574	11.43164	5.63376	ug/L	09/29/10	15:15	
RL ICP 00045	Se	27.64594	27.62134	27.67054	0.12584	ug/L	09/29/10	15:15	
RL ICP 00045	Sb	19.66722	18.21050	21.12395	10.47486	ug/L	09/29/10	15:15	
RL ICP 00045	Sn	51.83664	51.06644	52.60684	2.10126	ug/L	09/29/10	15:15	
RL ICP 00045	Sr	10.68865	10.62085	10.75645	0.89709	ug/L	09/29/10	15:15	
RL ICP 00045	Ti	10.17681	10.20736	10.14625	0.42460	ug/L	09/29/10	15:15	
RL ICP 00045	Tl	29.49018	30.29393	28.68643	3.85441	ug/L	09/29/10	15:15	
RL ICP 00045	V	11.37516	11.63268	11.11765	3.20159	ug/L	09/29/10	15:15	
RL ICP 00045	Zn	21.67966	21.61308	21.74624	0.43431	ug/L	09/29/10	15:15	
RL ICP 00045	2203/1	15.71856	16.99929	14.43784	11.52279	ug/L	09/29/10	15:15	
RL ICP 00045	2203/2	8.63479	7.33879	9.93080	21.22604	ug/L	09/29/10	15:15	
RL ICP 00045	1960/1	30.52910	33.01768	28.04051	11.52798	ug/L	09/29/10	15:15	
RL ICP 00045	1960/2	26.20649	24.92718	27.48580	6.90369	ug/L	09/29/10	15:15	
RL ICP 00045	Y	1077.67431	1082.54077	1072.80798	0.63860		09/29/10	15:15	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP 00045	Ag	10.99415	11.76563	10.22266	9.92384	ug/L	09/29/10	15:20	
RL ICP 00045	Al	210.41992	208.06396	212.77587	1.58341	ug/L	09/29/10	15:20	
RL ICP 00045	2Al	0.21043	0.20807	0.21278	1.58340	mg/L	09/29/10	15:20	
RL ICP 00045	As	18.07562	19.23285	16.91838	9.05405	ug/L	09/29/10	15:20	
RL ICP 00045	B	105.00103	106.07508	103.92698	1.44658	ug/L	09/29/10	15:20	
RL ICP 00045	Ba	10.35082	10.42265	10.27899	0.98139	ug/L	09/29/10	15:20	
RL ICP 00045	Be	4.02742	4.03886	4.01599	0.40155	ug/L	09/29/10	15:20	
RL ICP 00045	Ca	508.16607	510.74392	505.58822	0.71740	ug/L	09/29/10	15:20	
RL ICP 00045	Cd	5.49129	5.32843	5.65414	4.19406	ug/L	09/29/10	15:20	
RL ICP 00045	Co	10.38876	10.48912	10.28839	1.36628	ug/L	09/29/10	15:20	
RL ICP 00045	Cr	9.73926	9.60612	9.87241	1.93336	ug/L	09/29/10	15:20	
RL ICP 00045	Cu	21.01247	20.83816	21.18677	1.17311	ug/L	09/29/10	15:20	
RL ICP 00045	Fe	42.80468	33.54018	52.06919	30.60876	ug/L	09/29/10	15:20	
RL ICP 00045	2Fe	0.04280	0.03354	0.05206	30.60554	mg/L	09/29/10	15:20	
RL ICP 00045	K	976.85400	978.81384	974.89422	0.28372	ug/L	09/29/10	15:20	
RL ICP 00045	Mg	511.66210	512.51922	510.80496	0.23690	ug/L	09/29/10	15:20	
RL ICP 00045	2Mg	0.51151	0.51237	0.51065	0.23735	mg/L	09/29/10	15:20	
RL ICP 00045	Mn	10.15855	10.13606	10.18104	0.31308	ug/L	09/29/10	15:20	
RL ICP 00045	Mo	12.13729	10.50939	13.76519	18.96800	ug/L	09/29/10	15:20	
RL ICP 00045	Na	1274.86157	1335.88183	1213.84143	6.76901	ug/L	09/29/10	15:20	
RL ICP 00045	Ni	39.85204	39.96623	39.73786	0.40520	ug/L	09/29/10	15:20	
RL ICP 00045	Pb	10.03902	10.84014	9.23790	11.28548	ug/L	09/29/10	15:20	
RL ICP 00045	Se	24.98593	26.16208	23.80979	6.65701	ug/L	09/29/10	15:20	
RL ICP 00045	Sb	18.80234	18.52476	19.07992	2.08782	ug/L	09/29/10	15:20	
RL ICP 00045	Sn	48.69938	48.97622	48.42254	0.80394	ug/L	09/29/10	15:20	
RL ICP 00045	Sr	10.52905	10.55577	10.50234	0.35881	ug/L	09/29/10	15:20	
RL ICP 00045	Ti	10.13756	10.28911	9.98601	2.11418	ug/L	09/29/10	15:20	
RL ICP 00045	Tl	29.03169	30.84505	27.21833	8.83337	ug/L	09/29/10	15:20	
RL ICP 00045	V	9.91292	10.08106	9.74478	2.39875	ug/L	09/29/10	15:20	
RL ICP 00045	Zn	21.61562	21.55824	21.67301	0.37544	ug/L	09/29/10	15:20	
RL ICP 00045	2203/1	16.17533	17.38273	14.96794	10.55630	ug/L	09/29/10	15:20	
RL ICP 00045	2203/2	6.97547	7.57375	6.37718	12.12964	ug/L	09/29/10	15:20	
RL ICP 00045	1960/1	33.12856	35.12561	31.13150	8.52516	ug/L	09/29/10	15:20	
RL ICP 00045	1960/2	20.92070	21.68700	20.15440	5.18009	ug/L	09/29/10	15:20	
RL ICP 00045	Y	1090.30688	1085.26000	1095.35363	0.65461		09/29/10	15:20	
ICSA61 00022	Ag	1.16747	0.84736	1.48758	38.77668	ug/L	09/29/10	15:26	
ICSA61 00022	Al	541884.75000	541743.18750	542026.31250	0.03694	ug/L	09/29/10	15:26	
ICSA61 00022	2Al	541.87701	541.76153	541.99249	0.03013	mg/L	09/29/10	15:26	
ICSA61 00022	As	-3.48177	-2.72969	-4.23385	30.54766	ug/L	09/29/10	15:26	
ICSA61 00022	B	16.42549	16.43356	16.41743	0.06940	ug/L	09/29/10	15:26	
ICSA61 00022	Ba	1.01768	1.09384	0.94153	10.58282	ug/L	09/29/10	15:26	
ICSA61 00022	Be	0.06587	0.08097	0.05077	32.41800	ug/L	09/29/10	15:26	
ICSA61 00022	Ca	534238.75000	533743.18750	534734.31250	0.13118	ug/L	09/29/10	15:26	
ICSA61 00022	Cd	2.19394	2.07532	2.31257	7.64647	ug/L	09/29/10	15:26	
ICSA61 00022	Co	0.14284	-0.28275	0.56845	421.34719	ug/L	09/29/10	15:26	
ICSA61 00022	Cr	1.55449	1.84782	1.26115	26.68642	ug/L	09/29/10	15:26	
ICSA61 00022	Cu	0.47644	0.32905	0.62383	43.74997	ug/L	09/29/10	15:26	
ICSA61 00022	Fe	201157.71875	200992.89062	201322.56250	0.11588	ug/L	09/29/10	15:26	
ICSA61 00022	2Fe	201.12008	200.96496	201.27519	0.10907	mg/L	09/29/10	15:26	
ICSA61 00022	K	9.62317	18.39044	0.85590	128.84301	ug/L	09/29/10	15:26	
ICSA61 00022	Mg	541535.50000	541165.12500	541905.81250	0.09671	ug/L	09/29/10	15:26	
ICSA61 00022	2Mg	541.31445	540.97052	541.65838	0.08985	mg/L	09/29/10	15:26	
ICSA61 00022	Mn	-1.21637	-1.17480	-1.25794	4.83307	ug/L	09/29/10	15:26	
ICSA61 00022	Mo	-1.14853	0.75879	-3.05586	234.85316	ug/L	09/29/10	15:26	
ICSA61 00022	Na	191.98121	252.93792	131.02450	44.90325	ug/L	09/29/10	15:26	
ICSA61 00022	Ni	0.12921	0.67697	-0.41854	599.49114	ug/L	09/29/10	15:26	
ICSA61 00022	Pb	0.24800	0.85313	-0.35711	345.05737	ug/L	09/29/10	15:26	
ICSA61 00022	Se	-1.26693	-3.06225	0.52837	200.40042	ug/L	09/29/10	15:26	
ICSA61 00022	Sb	-1.72077	-3.50328	0.06174	146.49551	ug/L	09/29/10	15:26	
ICSA61 00022	Sn	1.69839	4.09141	-0.69462	199.26124	ug/L	09/29/10	15:26	
ICSA61 00022	Sr	2.63315	2.61999	2.64630	0.70655	ug/L	09/29/10	15:26	
ICSA61 00022	Ti	1.21019	1.22276	1.19762	1.46933	ug/L	09/29/10	15:26	
ICSA61 00022	Tl	0.06414	4.55653	-4.42825	9904.98339	ug/L	09/29/10	15:26	
ICSA61 00022	V	4.30541	4.22955	4.38127	2.49172	ug/L	09/29/10	15:26	
ICSA61 00022	Zn	4.59170	5.01322	4.17018	12.98249	ug/L	09/29/10	15:26	
ICSA61 00022	2203/1	18.24000	15.74283	20.73718	19.36151	ug/L	09/29/10	15:26	
ICSA61 00022	2203/2	-8.73450	-6.58055	-10.88845	34.87483	ug/L	09/29/10	15:26	
ICSA61 00022	1960/1	-1.55133	-0.27673	-2.82593	116.19353	ug/L	09/29/10	15:26	
ICSA61 00022	1960/2	-1.12495	-4.45291	2.20301	418.36862	ug/L	09/29/10	15:26	
ICSA61 00022	Y	1007.44165	1012.37841	1002.50482	0.69301		09/29/10	15:26	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB61 00038	Ag	214.51284	215.22119	213.80448	0.46699	ug/L	09/29/10	15:32	
ICSAB61 00038	Al	535400.62500	535623.37500	535177.93750	0.05882	ug/L	09/29/10	15:32	
ICSAB61 00038	2Al	535.40795	535.63159	535.18438	0.05906	mg/L	09/29/10	15:32	
ICSAB61 00038	As	101.17690	102.87246	99.48133	2.36999	ug/L	09/29/10	15:32	
ICSAB61 00038	B	16.34758	17.20679	15.48837	7.43293	ug/L	09/29/10	15:32	
ICSAB61 00038	Ba	551.19494	551.58197	550.80792	0.09929	ug/L	09/29/10	15:32	
ICSAB61 00038	Be	521.86029	522.96887	520.75170	0.30041	ug/L	09/29/10	15:32	
ICSAB61 00038	Ca	531953.18750	533234.25000	530672.12500	0.34057	ug/L	09/29/10	15:32	
ICSAB61 00038	Cd	991.18682	992.90747	989.46618	0.24549	ug/L	09/29/10	15:32	
ICSAB61 00038	Co	492.70672	493.76834	491.64511	0.30471	ug/L	09/29/10	15:32	
ICSAB61 00038	Cr	503.69818	504.86666	502.52969	0.32807	ug/L	09/29/10	15:32	
ICSAB61 00038	Cu	553.80810	554.51367	553.10260	0.18016	ug/L	09/29/10	15:32	
ICSAB61 00038	Fe	200065.93750	200280.25000	199851.60937	0.15149	ug/L	09/29/10	15:32	
ICSAB61 00038	2Fe	200.03424	200.24909	199.81939	0.15189	mg/L	09/29/10	15:32	
ICSAB61 00038	K	-2.52317	19.11584	-24.16219	1212.84558	ug/L	09/29/10	15:32	
ICSAB61 00038	Mg	539170.62500	540071.75000	538269.56250	0.23635	ug/L	09/29/10	15:32	
ICSAB61 00038	2Mg	538.96582	539.86816	538.06353	0.23676	mg/L	09/29/10	15:32	
ICSAB61 00038	Mn	506.91699	507.38937	506.44464	0.13178	ug/L	09/29/10	15:32	
ICSAB61 00038	Mo	1013.87719	1019.56018	1008.19427	0.79269	ug/L	09/29/10	15:32	
ICSAB61 00038	Na	179.87368	154.19857	205.54879	20.18643	ug/L	09/29/10	15:32	
ICSAB61 00038	Ni	978.45263	977.63073	979.27459	0.11879	ug/L	09/29/10	15:32	
ICSAB61 00038	Pb	48.19139	46.14226	50.24052	6.01333	ug/L	09/29/10	15:32	
ICSAB61 00038	Se	58.15650	55.30060	61.01240	6.94479	ug/L	09/29/10	15:32	
ICSAB61 00038	Sb	628.04370	628.53167	627.55572	0.10988	ug/L	09/29/10	15:32	
ICSAB61 00038	Sn	1000.17596	1002.18377	998.16815	0.28389	ug/L	09/29/10	15:32	
ICSAB61 00038	Sr	2.64337	2.67414	2.61261	1.64597	ug/L	09/29/10	15:32	
ICSAB61 00038	Ti	1.41727	1.58466	1.24988	16.70313	ug/L	09/29/10	15:32	
ICSAB61 00038	Tl	112.00344	109.06838	114.93851	3.70596	ug/L	09/29/10	15:32	
ICSAB61 00038	V	517.10693	517.08703	517.12689	0.00545	ug/L	09/29/10	15:32	
ICSAB61 00038	Zn	995.48730	998.03729	992.93737	0.36225	ug/L	09/29/10	15:32	
ICSAB61 00038	2203/1	70.70109	68.34796	73.05423	4.70691	ug/L	09/29/10	15:32	
ICSAB61 00038	2203/2	36.95341	35.05606	38.85077	7.26122	ug/L	09/29/10	15:32	
ICSAB61 00038	1960/1	63.33126	61.09910	65.56341	4.98449	ug/L	09/29/10	15:32	
ICSAB61 00038	1960/2	55.57300	52.40570	58.74031	8.06011	ug/L	09/29/10	15:32	
ICSAB61 00038	Y	1024.22753	1020.25439	1028.20080	0.54860		09/29/10	15:32	
CCVP 00072	Ag	496.53326	497.20513	495.86138	0.19136	ug/L	09/29/10	15:47	
CCVP 00072	Al	4896.46972	4910.98876	4881.95019	0.41935	ug/L	09/29/10	15:47	
CCVP 00072	2Al	4.89636	4.91118	4.88154	0.42808	mg/L	09/29/10	15:47	
CCVP 00072	As	498.99389	501.71542	496.27239	0.77131	ug/L	09/29/10	15:47	
CCVP 00072	B	5024.90820	5039.64697	5010.16992	0.41480	ug/L	09/29/10	15:47	
CCVP 00072	Ba	5039.94042	5049.06103	5030.81982	0.25592	ug/L	09/29/10	15:47	
CCVP 00072	Be	504.83367	505.76647	503.90090	0.26130	ug/L	09/29/10	15:47	
CCVP 00072	Ca	4988.16308	4992.07910	4984.24658	0.11103	ug/L	09/29/10	15:47	
CCVP 00072	Cd	503.72427	504.98410	502.46444	0.35369	ug/L	09/29/10	15:47	
CCVP 00072	Co	501.11999	501.26684	500.97311	0.04144	ug/L	09/29/10	15:47	
CCVP 00072	Cr	5034.63183	5045.94824	5023.31591	0.31786	ug/L	09/29/10	15:47	
CCVP 00072	Cu	4992.10595	5007.85400	4976.35791	0.44612	ug/L	09/29/10	15:47	
CCVP 00072	Fe	4960.73046	4980.82421	4940.63623	0.57284	ug/L	09/29/10	15:47	
CCVP 00072	2Fe	4.96073	4.98082	4.94063	0.57279	mg/L	09/29/10	15:47	
CCVP 00072	K	9875.69726	9866.33496	9885.05859	0.13406	ug/L	09/29/10	15:47	
CCVP 00072	Mg	4954.97119	4964.01074	4945.93164	0.25800	ug/L	09/29/10	15:47	
CCVP 00072	2Mg	4.95500	4.96404	4.94597	0.25792	mg/L	09/29/10	15:47	
CCVP 00072	Mn	5036.69628	5044.92968	5028.46240	0.23118	ug/L	09/29/10	15:47	
CCVP 00072	Mo	503.09628	505.15631	501.03625	0.57907	ug/L	09/29/10	15:47	
CCVP 00072	Na	7521.22363	7753.12451	7289.32324	4.36042	ug/L	09/29/10	15:47	
CCVP 00072	Ni	2504.80859	2508.48535	2501.13208	0.20758	ug/L	09/29/10	15:47	
CCVP 00072	Pb	500.36425	502.31878	498.40972	0.55242	ug/L	09/29/10	15:47	
CCVP 00072	Se	5043.44140	5052.15283	5034.72949	0.24428	ug/L	09/29/10	15:47	
CCVP 00072	Sb	490.21676	489.35745	491.07608	0.24790	ug/L	09/29/10	15:47	
CCVP 00072	Sn	4998.41699	5007.73779	4989.09570	0.26372	ug/L	09/29/10	15:47	
CCVP 00072	Sr	2559.44580	2564.05444	2554.83715	0.25464	ug/L	09/29/10	15:47	
CCVP 00072	Ti	497.83740	498.16589	497.50894	0.09331	ug/L	09/29/10	15:47	
CCVP 00072	Tl	5031.14990	5029.49755	5032.80224	0.04644	ug/L	09/29/10	15:47	
CCVP 00072	V	4970.66503	4979.04931	4962.28027	0.23854	ug/L	09/29/10	15:47	
CCVP 00072	Zn	2509.44726	2513.18774	2505.70678	0.21079	ug/L	09/29/10	15:47	
CCVP 00072	2203/1	503.64752	503.97036	503.32467	0.09065	ug/L	09/29/10	15:47	
CCVP 00072	2203/2	498.72106	501.49020	495.95193	0.78523	ug/L	09/29/10	15:47	
CCVP 00072	1960/1	5009.56152	5011.64599	5007.47705	0.05884	ug/L	09/29/10	15:47	
CCVP 00072	1960/2	5060.35546	5072.37597	5048.33496	0.33593	ug/L	09/29/10	15:47	
CCVP 00072	Y	1089.40478	1087.08154	1091.72802	0.30159		09/29/10	15:47	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.57618	0.44109	0.71126	33.15555	ug/L	09/29/10	15:55	
CCB	Al	3.96041	3.36479	4.55603	21.26875	ug/L	09/29/10	15:55	
CCB	2Al	0.00396	0.00336	0.00455	21.26882	mg/L	09/29/10	15:55	
CCB	As	-1.82116	0.46388	-4.10620	177.44375	ug/L	09/29/10	15:55	
CCB	B	5.41918	5.98437	4.85400	14.74933	ug/L	09/29/10	15:55	
CCB	Ba	0.23666	0.31064	0.16268	44.20760	ug/L	09/29/10	15:55	
CCB	Be	0.03423	0.03245	0.03602	7.37118	ug/L	09/29/10	15:55	
CCB	Ca	0.25834	0.98845	-0.47177	399.67816	ug/L	09/29/10	15:55	
CCB	Cd	0.07826	0.18461	-0.02808	192.17604	ug/L	09/29/10	15:55	
CCB	Co	-0.60101	0.01027	-1.21229	143.83801	ug/L	09/29/10	15:55	
CCB	Cr	0.53634	0.09542	0.97726	116.25958	ug/L	09/29/10	15:55	
CCB	Cu	-0.75492	-0.95606	-0.55379	37.67844	ug/L	09/29/10	15:55	
CCB	Fe	19.50776	24.98124	14.03427	39.67996	ug/L	09/29/10	15:55	
CCB	2Fe	0.01950	0.02497	0.01403	39.68165	mg/L	09/29/10	15:55	
CCB	K	53.44164	72.07105	34.81222	49.29857	ug/L	09/29/10	15:55	
CCB	Mg	-1.51584	3.01349	-6.04518	422.56695	ug/L	09/29/10	15:55	
CCB	2Mg	-0.00151	0.00300	-0.00604	421.52612	mg/L	09/29/10	15:55	
CCB	Mn	0.00988	0.05627	-0.03649	663.31030	ug/L	09/29/10	15:55	
CCB	Mo	1.68764	1.09987	2.27540	49.25382	ug/L	09/29/10	15:55	
CCB	Na	443.33538	538.99218	347.67858	30.51395	ug/L	09/29/10	15:55	
CCB	Ni	0.43612	0.38453	0.48770	16.72706	ug/L	09/29/10	15:55	
CCB	Pb	-0.77835	-0.94779	-0.60891	30.78542	ug/L	09/29/10	15:55	
CCB	Se	4.41992	5.96535	2.87450	49.44787	ug/L	09/29/10	15:55	
CCB	Sb	0.82160	2.25344	-0.61023	246.45928	ug/L	09/29/10	15:55	
CCB	Sn	1.07062	1.08915	1.05208	2.44850	ug/L	09/29/10	15:55	
CCB	Sr	-0.01651	-0.01342	-0.01960	26.46441	ug/L	09/29/10	15:55	
CCB	Ti	-0.01744	-0.00601	-0.02886	92.62443	ug/L	09/29/10	15:55	
CCB	Tl	-3.51133	-1.02150	-6.00115	100.27950	ug/L	09/29/10	15:55	
CCB	V	1.37172	1.54367	1.19976	17.72797	ug/L	09/29/10	15:55	
CCB	Zn	-0.19099	-0.03372	-0.34826	116.45034	ug/L	09/29/10	15:55	
CCB	2203/1	2.13885	0.92471	3.35299	80.27902	ug/L	09/29/10	15:55	
CCB	2203/2	-2.23477	-1.88264	-2.58690	22.28361	ug/L	09/29/10	15:55	
CCB	1960/1	6.54333	5.70490	7.38176	18.12107	ug/L	09/29/10	15:55	
CCB	1960/2	3.35981	6.09538	0.62425	115.14540	ug/L	09/29/10	15:55	
CCB	Y	1091.01953	1093.73437	1088.30480	0.35189		09/29/10	15:55	
PBS 181217	Ag	0.49150	0.44746	0.53553	12.67121	ug/L	09/29/10	16:08	
PBS 181217	Al	0.53977	-0.09976	1.17931	167.55905	ug/L	09/29/10	16:08	
PBS 181217	2Al	0.00053	-0.00009	0.00117	167.55937	mg/L	09/29/10	16:08	
PBS 181217	As	-1.40176	-3.23794	0.43441	185.24928	ug/L	09/29/10	16:08	
PBS 181217	B	0.29574	0.50952	0.08195	102.23012	ug/L	09/29/10	16:08	
PBS 181217	Ba	0.19935	0.21146	0.18723	8.59554	ug/L	09/29/10	16:08	
PBS 181217	Be	0.00783	0.00886	0.00680	18.59979	ug/L	09/29/10	16:08	
PBS 181217	Ca	10.60258	9.68899	11.51617	12.18586	ug/L	09/29/10	16:08	
PBS 181217	Cd	-0.16747	-0.33764	0.00268	143.68893	ug/L	09/29/10	16:08	
PBS 181217	Co	-0.93780	-1.17529	-0.70030	35.81441	ug/L	09/29/10	16:08	
PBS 181217	Cr	-0.28290	-0.45946	-0.10634	88.26084	ug/L	09/29/10	16:08	
PBS 181217	Cu	1.17700	0.90939	1.44461	32.15443	ug/L	09/29/10	16:08	
PBS 181217	Fe	34.49971	26.80180	42.19763	31.55532	ug/L	09/29/10	16:08	
PBS 181217	2Fe	0.03449	0.02679	0.04219	31.55589	mg/L	09/29/10	16:08	
PBS 181217	K	29.67102	25.15873	34.18331	21.50699	ug/L	09/29/10	16:08	
PBS 181217	Mg	-2.95290	-5.91624	0.01043	141.92094	ug/L	09/29/10	16:08	
PBS 181217	2Mg	-0.00295	-0.00591	0.00000	141.57395	mg/L	09/29/10	16:08	
PBS 181217	Mn	0.34082	0.28269	0.39896	24.12360	ug/L	09/29/10	16:08	
PBS 181217	Mo	-1.96460	-0.91969	-3.00950	75.21707	ug/L	09/29/10	16:08	
PBS 181217	Na	518.57818	502.41140	534.74499	4.40884	ug/L	09/29/10	16:08	
PBS 181217	Ni	0.54051	-0.51678	1.59781	276.63504	ug/L	09/29/10	16:08	
PBS 181217	Pb	2.63327	2.10921	3.15732	28.14464	ug/L	09/29/10	16:08	
PBS 181217	Se	2.76039	4.34274	1.17803	81.06794	ug/L	09/29/10	16:08	
PBS 181217	Sb	-2.25500	-4.07094	-0.43905	113.88628	ug/L	09/29/10	16:08	
PBS 181217	Sn	10.73519	11.94224	9.52814	15.90126	ug/L	09/29/10	16:08	
PBS 181217	Sr	-0.06083	-0.07019	-0.05146	21.76399	ug/L	09/29/10	16:08	
PBS 181217	Ti	-0.28261	-0.37565	-0.18957	46.55854	ug/L	09/29/10	16:08	
PBS 181217	Tl	-0.50911	-0.86066	-0.15757	97.65171	ug/L	09/29/10	16:08	
PBS 181217	V	0.65465	0.52931	0.77999	27.07573	ug/L	09/29/10	16:08	
PBS 181217	Zn	2.63280	2.50488	2.76072	6.87137	ug/L	09/29/10	16:08	
PBS 181217	2203/1	9.47241	9.18436	9.76045	4.30048	ug/L	09/29/10	16:08	
PBS 181217	2203/2	-0.78116	-1.42305	-0.13928	116.20513	ug/L	09/29/10	16:08	
PBS 181217	1960/1	4.26835	4.91316	3.62354	21.36415	ug/L	09/29/10	16:08	
PBS 181217	1960/2	2.00754	4.05797	-0.04288	144.44271	ug/L	09/29/10	16:08	
PBS 181217	Y	1109.73278	1111.14074	1108.32482	0.17942		09/29/10	16:08	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSS-1	Ag	52.75647	52.06794	53.44501	1.84571	ug/L	09/29/10	16:13	
LCSS-1	Al	2015.60498	1974.25988	2056.95019	2.90090	ug/L	09/29/10	16:13	
LCSS-1	2Al	2.01549	1.97415	2.05683	2.90098	mg/L	09/29/10	16:13	
LCSS-1	As	2019.52246	1978.44580	2060.59912	2.87648	ug/L	09/29/10	16:13	
LCSS-1	B	1039.55664	1020.84863	1058.26464	2.54503	ug/L	09/29/10	16:13	
LCSS-1	Ba	2116.56469	2075.95727	2157.17211	2.71324	ug/L	09/29/10	16:13	
LCSS-1	Be	51.91480	51.10032	52.72927	2.21871	ug/L	09/29/10	16:13	
LCSS-1	Ca	5163.49121	5075.87304	5251.10937	2.39974	ug/L	09/29/10	16:13	
LCSS-1	Cd	52.77358	51.77264	53.77452	2.68229	ug/L	09/29/10	16:13	
LCSS-1	Co	523.17346	513.74261	532.60437	2.54930	ug/L	09/29/10	16:13	
LCSS-1	Cr	211.34022	207.83787	214.84257	2.34364	ug/L	09/29/10	16:13	
LCSS-1	Cu	261.67944	256.50418	266.85473	2.79691	ug/L	09/29/10	16:13	
LCSS-1	Fe	1078.27966	1071.02075	1085.53857	0.95203	ug/L	09/29/10	16:13	
LCSS-1	2Fe	1.07836	1.07109	1.08562	0.95237	mg/L	09/29/10	16:13	
LCSS-1	K	5079.42285	5021.01708	5137.82861	1.62613	ug/L	09/29/10	16:13	
LCSS-1	Mg	5135.95605	5044.86669	5227.04589	2.50820	ug/L	09/29/10	16:13	
LCSS-1	2Mg	5.13455	5.04349	5.22562	2.50825	mg/L	09/29/10	16:13	
LCSS-1	Mn	527.10339	517.74487	536.46197	2.51089	ug/L	09/29/10	16:13	
LCSS-1	Mo	529.52862	517.80627	541.25097	3.13069	ug/L	09/29/10	16:13	
LCSS-1	Na	5262.18066	5238.06640	5286.29492	0.64807	ug/L	09/29/10	16:13	
LCSS-1	Ni	519.64074	510.88763	528.39379	2.38217	ug/L	09/29/10	16:13	
LCSS-1	Pb	513.01623	504.26654	521.76599	2.41200	ug/L	09/29/10	16:13	
LCSS-1	Se	2050.19433	2021.36767	2079.02075	1.98843	ug/L	09/29/10	16:13	
LCSS-1	Sb	505.97958	496.78015	515.17901	2.57124	ug/L	09/29/10	16:13	
LCSS-1	Sn	1051.94360	1034.49975	1069.38732	2.34511	ug/L	09/29/10	16:13	
LCSS-1	Sr	545.95416	535.68164	556.22668	2.66094	ug/L	09/29/10	16:13	
LCSS-1	Ti	730.24621	716.52233	743.97009	2.65780	ug/L	09/29/10	16:13	
LCSS-1	Tl	2149.09375	2106.80322	2191.38452	2.78294	ug/L	09/29/10	16:13	
LCSS-1	V	513.64385	504.37893	522.90881	2.55091	ug/L	09/29/10	16:13	
LCSS-1	Zn	528.67492	519.23321	538.11657	2.52566	ug/L	09/29/10	16:13	
LCSS-1	2203/1	515.18200	506.24331	524.12066	2.45373	ug/L	09/29/10	16:13	
LCSS-1	2203/2	511.93499	503.27963	520.59039	2.39103	ug/L	09/29/10	16:13	
LCSS-1	1960/1	2042.48510	2017.40612	2067.56420	1.73646	ug/L	09/29/10	16:13	
LCSS-1	1960/2	2054.04248	2023.34484	2084.73999	2.11353	ug/L	09/29/10	16:13	
LCSS-1	Y	1073.05883	1088.24316	1057.87438	2.00119		09/29/10	16:13	
61589-1	Ag	1.26208	1.67681	0.84736	46.47141	ug/L	09/29/10	16:18	
61589-1	Al	274171.90625	274974.84375	273368.96875	0.41416	ug/L	09/29/10	16:18	
61589-1	2Al	274.17123	274.98257	273.35989	0.41850	mg/L	09/29/10	16:18	
61589-1	As	51.24430	52.73333	49.75528	4.10933	ug/L	09/29/10	16:18	
61589-1	B	229.17626	230.02778	228.32473	0.52546	ug/L	09/29/10	16:18	
61589-1	Ba	1578.51220	1579.73608	1577.28833	0.10964	ug/L	09/29/10	16:18	
61589-1	Be	17.50516	17.53569	17.47463	0.24664	ug/L	09/29/10	16:18	
61589-1	Ca	242016.28125	242564.39062	241468.17187	0.32028	ug/L	09/29/10	16:18	
61589-1	Cd	2.31909	2.51201	2.12617	11.76458	ug/L	09/29/10	16:18	
61589-1	Co	71.23273	71.77919	70.68627	1.08490	ug/L	09/29/10	16:18	
61589-1	Cr	238.89796	239.55862	238.23730	0.39109	ug/L	09/29/10	16:18	
61589-1	Cu	107.56180	107.65979	107.46381	0.12883	ug/L	09/29/10	16:18	
61589-1	Fe	293230.25000	293593.12500	292867.40625	0.17500	ug/L	09/29/10	16:18	
61589-1	2Fe	293.17791	293.54946	292.80636	0.17922	mg/L	09/29/10	16:18	
61589-1	K	48783.48828	48961.70312	48605.27343	0.51663	ug/L	09/29/10	16:18	
61589-1	Mg	35156.91406	35261.21093	35052.62109	0.41953	ug/L	09/29/10	16:18	
61589-1	2Mg	35.10050	35.20595	34.99504	0.42488	mg/L	09/29/10	16:18	
61589-1	Mn	13779.56738	13798.32519	13760.80957	0.19251	ug/L	09/29/10	16:18	
61589-1	Mo	7.17506	6.95897	7.39114	4.25905	ug/L	09/29/10	16:18	
61589-1	Na	1999.71887	1978.58679	2020.85095	1.49447	ug/L	09/29/10	16:18	
61589-1	Ni	279.83584	280.28927	279.38241	0.22915	ug/L	09/29/10	16:18	
61589-1	Pb	263.42968	266.49224	260.36715	1.64411	ug/L	09/29/10	16:18	
61589-1	Se	10.12560	12.27890	7.97229	30.07456	ug/L	09/29/10	16:18	
61589-1	Sb	6.75907	5.51507	8.00307	26.02850	ug/L	09/29/10	16:18	
61589-1	Sn	19.59587	19.68981	19.50193	0.67793	ug/L	09/29/10	16:18	
61589-1	Sr	1848.78173	1851.74182	1845.82153	0.22643	ug/L	09/29/10	16:18	
61589-1	Ti	1134.78210	1136.65283	1132.91137	0.23313	ug/L	09/29/10	16:18	
61589-1	Tl	16.98736	15.67418	18.30054	10.93232	ug/L	09/29/10	16:18	
61589-1	V	312.94729	313.37994	312.51464	0.19551	ug/L	09/29/10	16:18	
61589-1	Zn	481.99813	483.32077	480.67550	0.38806	ug/L	09/29/10	16:18	
61589-1	2203/1	283.66308	287.94271	279.38348	2.13362	ug/L	09/29/10	16:18	
61589-1	2203/2	253.32817	255.78311	250.87322	1.37047	ug/L	09/29/10	16:18	
61589-1	1960/1	15.20246	18.98802	11.41690	35.21527	ug/L	09/29/10	16:18	
61589-1	1960/2	7.59097	8.92937	6.25257	24.93461	ug/L	09/29/10	16:18	
61589-1	Y	1314.68920	1309.51037	1319.86804	0.55708		09/29/10	16:18	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-2	Ag	0.77606	0.74057	0.81155	6.46735	ug/L	09/29/10	16:22	
61589-2	Al	201637.84375	201798.32812	201477.35937	0.11255	ug/L	09/29/10	16:22	
61589-2	2Al	201.64559	201.80577	201.48542	0.11233	mg/L	09/29/10	16:22	
61589-2	As	39.99723	39.76379	40.23068	0.82542	ug/L	09/29/10	16:22	
61589-2	B	157.45141	157.27722	157.62559	0.15645	ug/L	09/29/10	16:22	
61589-2	Ba	1207.30834	1208.90209	1205.71459	0.18668	ug/L	09/29/10	16:22	
61589-2	Be	14.79923	14.78060	14.81787	0.17806	ug/L	09/29/10	16:22	
61589-2	Ca	207008.43750	206848.50000	207168.37500	0.10926	ug/L	09/29/10	16:22	
61589-2	Cd	3.02916	2.92451	3.13381	4.88572	ug/L	09/29/10	16:22	
61589-2	Co	107.36408	107.03170	107.69647	0.43781	ug/L	09/29/10	16:22	
61589-2	Cr	163.55795	163.44039	163.67549	0.10163	ug/L	09/29/10	16:22	
61589-2	Cu	97.21667	97.04882	97.38452	0.24417	ug/L	09/29/10	16:22	
61589-2	Fe	244189.75000	244077.37500	244302.12500	0.06508	ug/L	09/29/10	16:22	
61589-2	2Fe	244.15664	244.04385	244.26943	0.06533	mg/L	09/29/10	16:22	
61589-2	K	32772.11718	32898.56250	32645.66796	0.54565	ug/L	09/29/10	16:22	
61589-2	Mg	24885.66601	24866.65820	24904.67382	0.10801	ug/L	09/29/10	16:22	
61589-2	2Mg	24.84194	24.82295	24.86093	0.10809	mg/L	09/29/10	16:22	
61589-2	Mn	13627.39257	13612.84082	13641.94433	0.15101	ug/L	09/29/10	16:22	
61589-2	Mo	6.81407	6.99721	6.63092	3.80106	ug/L	09/29/10	16:22	
61589-2	Na	1406.64453	1398.81005	1414.47912	0.78766	ug/L	09/29/10	16:22	
61589-2	Ni	223.68328	223.03381	224.33277	0.41062	ug/L	09/29/10	16:22	
61589-2	Pb	256.03466	254.42271	257.64663	0.89037	ug/L	09/29/10	16:22	
61589-2	Se	8.25623	9.45124	7.06123	20.46922	ug/L	09/29/10	16:22	
61589-2	Sb	3.46635	5.68403	1.24866	90.47784	ug/L	09/29/10	16:22	
61589-2	Sn	13.86411	16.35950	11.36872	25.45433	ug/L	09/29/10	16:22	
61589-2	Sr	1752.35070	1750.70629	1753.99511	0.13271	ug/L	09/29/10	16:22	
61589-2	Ti	999.44207	999.85754	999.02661	0.05878	ug/L	09/29/10	16:22	
61589-2	Tl	8.82312	11.47138	6.17485	42.44770	ug/L	09/29/10	16:22	
61589-2	V	251.54719	251.39096	251.70343	0.08783	ug/L	09/29/10	16:22	
61589-2	Zn	426.49426	425.61944	427.36904	0.29007	ug/L	09/29/10	16:22	
61589-2	2203/1	271.77554	269.32818	274.22290	1.27350	ug/L	09/29/10	16:22	
61589-2	2203/2	248.17605	246.98115	249.37094	0.68090	ug/L	09/29/10	16:22	
61589-2	1960/1	13.47535	14.78472	12.16598	13.74154	ug/L	09/29/10	16:22	
61589-2	1960/2	5.65059	6.78850	4.51268	28.47917	ug/L	09/29/10	16:22	
61589-2	Y	1382.99047	1387.03845	1378.94238	0.41394		09/29/10	16:22	
61589-3	Ag	1.23374	1.62012	0.84736	44.29020	ug/L	09/29/10	16:26	
61589-3	Al	275899.53125	276508.40625	275290.65625	0.31209	ug/L	09/29/10	16:26	
61589-3	2Al	275.90100	276.52124	275.28076	0.31792	mg/L	09/29/10	16:26	
61589-3	As	44.61338	45.49174	43.73503	2.78433	ug/L	09/29/10	16:26	
61589-3	B	208.74374	209.71832	207.76914	0.66027	ug/L	09/29/10	16:26	
61589-3	Ba	1565.70812	1568.30285	1563.11340	0.23436	ug/L	09/29/10	16:26	
61589-3	Be	17.13838	17.21107	17.06569	0.59981	ug/L	09/29/10	16:26	
61589-3	Ca	215249.06250	216104.03125	214394.09375	0.56172	ug/L	09/29/10	16:26	
61589-3	Cd	2.21749	2.37727	2.05771	10.19010	ug/L	09/29/10	16:26	
61589-3	Co	63.64881	64.04750	63.25011	0.88585	ug/L	09/29/10	16:26	
61589-3	Cr	239.27738	240.50344	238.05133	0.72464	ug/L	09/29/10	16:26	
61589-3	Cu	106.84877	106.87362	106.82392	0.03289	ug/L	09/29/10	16:26	
61589-3	Fe	290945.12500	292084.18750	289806.06250	0.55367	ug/L	09/29/10	16:26	
61589-3	2Fe	290.89602	292.04721	289.74484	0.55965	mg/L	09/29/10	16:26	
61589-3	K	43704.07031	43703.07421	43705.06250	0.00321	ug/L	09/29/10	16:26	
61589-3	Mg	34712.81250	34861.86718	34563.76171	0.60724	ug/L	09/29/10	16:26	
61589-3	2Mg	34.65526	34.80536	34.50516	0.61253	mg/L	09/29/10	16:26	
61589-3	Mn	10209.05273	10248.78125	10169.32519	0.55033	ug/L	09/29/10	16:26	
61589-3	Mo	3.45665	2.81501	4.09829	26.25124	ug/L	09/29/10	16:26	
61589-3	Na	1801.18579	1895.28027	1707.09130	7.38789	ug/L	09/29/10	16:26	
61589-3	Ni	279.74392	281.23913	278.24871	0.75588	ug/L	09/29/10	16:26	
61589-3	Pb	253.89273	255.90061	251.88484	1.11841	ug/L	09/29/10	16:26	
61589-3	Se	6.52456	0.67391	12.37521	126.81405	ug/L	09/29/10	16:26	
61589-3	Sb	7.76895	6.90203	8.63587	15.78086	ug/L	09/29/10	16:26	
61589-3	Sn	19.12766	19.67565	18.57967	4.05159	ug/L	09/29/10	16:26	
61589-3	Sr	1823.50854	1827.63647	1819.38061	0.32013	ug/L	09/29/10	16:26	
61589-3	Ti	1133.00561	1136.65795	1129.35314	0.45589	ug/L	09/29/10	16:26	
61589-3	Tl	12.03849	8.73604	15.34095	38.79534	ug/L	09/29/10	16:26	
61589-3	V	308.45355	308.71545	308.19168	0.12007	ug/L	09/29/10	16:26	
61589-3	Zn	507.69476	509.92425	505.46527	0.62103	ug/L	09/29/10	16:26	
61589-3	2203/1	274.96380	275.97192	273.95568	0.51850	ug/L	09/29/10	16:26	
61589-3	2203/2	243.37298	245.88002	240.86595	1.45680	ug/L	09/29/10	16:26	
61589-3	1960/1	10.01539	2.10305	17.92773	111.72537	ug/L	09/29/10	16:26	
61589-3	1960/2	4.78177	-0.03958	9.60312	142.59193	ug/L	09/29/10	16:26	
61589-3	Y	1282.53393	1277.78637	1287.28161	0.52350		09/29/10	16:26	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-4	Ag	1.76740	1.40953	2.12527	28.63531	ug/L	09/29/10	16:31	
61589-4	Al	232938.64062	237197.15625	228680.12500	2.58542	ug/L	09/29/10	16:31	
61589-4	2Al	232.93954	237.20225	228.67681	2.58796	mg/L	09/29/10	16:31	
61589-4	As	71.56089	73.00791	70.11386	2.85965	ug/L	09/29/10	16:31	
61589-4	B	202.24792	205.98091	198.51495	2.61027	ug/L	09/29/10	16:31	
61589-4	Ba	1208.48120	1229.89160	1187.07067	2.50553	ug/L	09/29/10	16:31	
61589-4	Be	15.35873	15.61622	15.10125	2.37089	ug/L	09/29/10	16:31	
61589-4	Ca	308488.31250	313589.50000	303387.15625	2.33854	ug/L	09/29/10	16:31	
61589-4	Cd	2.36596	2.40845	2.32347	2.53981	ug/L	09/29/10	16:31	
61589-4	Co	65.57101	66.63256	64.50946	2.28951	ug/L	09/29/10	16:31	
61589-4	Cr	202.84506	206.51002	199.18009	2.55517	ug/L	09/29/10	16:31	
61589-4	Cu	106.58459	108.25172	104.91745	2.21202	ug/L	09/29/10	16:31	
61589-4	Fe	303178.68750	308458.21875	297899.15625	2.46270	ug/L	09/29/10	16:31	
61589-4	2Fe	303.12670	308.41085	297.84252	2.46528	mg/L	09/29/10	16:31	
61589-4	K	39986.98828	40572.26171	39401.71484	2.06992	ug/L	09/29/10	16:31	
61589-4	Mg	30081.92968	30579.32421	29584.53320	2.33835	ug/L	09/29/10	16:31	
61589-4	2Mg	30.02710	30.52356	29.53065	2.33819	mg/L	09/29/10	16:31	
61589-4	Mn	15222.99804	15505.65136	14940.34375	2.62584	ug/L	09/29/10	16:31	
61589-4	Mo	11.99753	11.58096	12.41411	4.91034	ug/L	09/29/10	16:31	
61589-4	Na	1767.86157	1738.36596	1797.35729	2.35952	ug/L	09/29/10	16:31	
61589-4	Ni	238.84399	242.46032	235.22764	2.14126	ug/L	09/29/10	16:31	
61589-4	Pb	246.89620	248.78538	245.00701	1.08211	ug/L	09/29/10	16:31	
61589-4	Se	8.08648	7.15110	9.02185	16.35833	ug/L	09/29/10	16:31	
61589-4	Sb	1.44928	0.95070	1.94787	48.65179	ug/L	09/29/10	16:31	
61589-4	Sn	11.91275	13.89114	9.93436	23.48631	ug/L	09/29/10	16:31	
61589-4	Sr	1931.75195	1964.53247	1898.97143	2.39982	ug/L	09/29/10	16:31	
61589-4	Ti	1197.70068	1218.46337	1176.93786	2.45161	ug/L	09/29/10	16:31	
61589-4	Tl	7.64715	5.03813	10.25618	48.24950	ug/L	09/29/10	16:31	
61589-4	V	296.98529	301.50149	292.46905	2.15057	ug/L	09/29/10	16:31	
61589-4	Zn	518.42767	526.67443	510.18093	2.24962	ug/L	09/29/10	16:31	
61589-4	2203/1	263.10226	264.90545	261.29907	0.96924	ug/L	09/29/10	16:31	
61589-4	2203/2	238.80532	240.73744	236.87321	1.14420	ug/L	09/29/10	16:31	
61589-4	1960/1	11.38884	11.84973	10.92795	5.72312	ug/L	09/29/10	16:31	
61589-4	1960/2	6.43777	4.80531	8.07022	35.86083	ug/L	09/29/10	16:31	
61589-4	Y	1334.77075	1317.33361	1352.20800	1.84750		09/29/10	16:31	
61589-5	Ag	1.14894	0.91823	1.37966	28.39848	ug/L	09/29/10	16:35	
61589-5	Al	192986.40625	193316.54687	192656.26562	0.24192	ug/L	09/29/10	16:35	
61589-5	2Al	192.98397	193.31257	192.65539	0.24079	mg/L	09/29/10	16:35	
61589-5	As	40.55666	39.98786	41.12546	1.98340	ug/L	09/29/10	16:35	
61589-5	B	168.94755	169.29855	168.59655	0.29381	ug/L	09/29/10	16:35	
61589-5	Ba	1011.57214	1013.08343	1010.06085	0.21128	ug/L	09/29/10	16:35	
61589-5	Be	15.07877	15.10156	15.05598	0.21372	ug/L	09/29/10	16:35	
61589-5	Ca	230841.12500	231226.89062	230455.35937	0.23633	ug/L	09/29/10	16:35	
61589-5	Cd	2.13165	2.09587	2.16744	2.37413	ug/L	09/29/10	16:35	
61589-5	Co	89.60951	89.46446	89.75457	0.22892	ug/L	09/29/10	16:35	
61589-5	Cr	169.80865	169.60395	170.01335	0.17047	ug/L	09/29/10	16:35	
61589-5	Cu	105.58990	105.13539	106.04441	0.60875	ug/L	09/29/10	16:35	
61589-5	Fe	264617.75000	264887.40625	264348.09375	0.14411	ug/L	09/29/10	16:35	
61589-5	2Fe	264.56808	264.83554	264.30062	0.14296	mg/L	09/29/10	16:35	
61589-5	K	34699.04687	34878.84375	34519.25390	0.73278	ug/L	09/29/10	16:35	
61589-5	Mg	27917.35546	27944.04296	27890.66601	0.13519	ug/L	09/29/10	16:35	
61589-5	2Mg	27.86915	27.89579	27.84251	0.13517	mg/L	09/29/10	16:35	
61589-5	Mn	13541.30371	13551.94726	13530.66015	0.11115	ug/L	09/29/10	16:35	
61589-5	Mo	6.65693	7.36816	5.94570	15.10956	ug/L	09/29/10	16:35	
61589-5	Na	1417.86132	1368.11413	1467.60864	4.96192	ug/L	09/29/10	16:35	
61589-5	Ni	220.56462	221.41548	219.71376	0.54555	ug/L	09/29/10	16:35	
61589-5	Pb	254.55459	257.91821	251.19099	1.86870	ug/L	09/29/10	16:35	
61589-5	Se	6.24987	9.19990	3.29985	66.75279	ug/L	09/29/10	16:35	
61589-5	Sb	1.33452	1.80691	0.86212	50.06042	ug/L	09/29/10	16:35	
61589-5	Sn	11.81176	13.73057	9.89294	22.97383	ug/L	09/29/10	16:35	
61589-5	Sr	1526.05126	1529.73205	1522.37060	0.34109	ug/L	09/29/10	16:35	
61589-5	Ti	885.85742	887.65997	884.05480	0.28777	ug/L	09/29/10	16:35	
61589-5	Tl	10.44977	8.32510	12.57443	28.75401	ug/L	09/29/10	16:35	
61589-5	V	248.35058	249.73448	246.96667	0.78805	ug/L	09/29/10	16:35	
61589-5	Zn	438.51354	439.27456	437.75256	0.24542	ug/L	09/29/10	16:35	
61589-5	2203/1	277.38085	277.29144	277.47024	0.04558	ug/L	09/29/10	16:35	
61589-5	2203/2	243.15859	248.24613	238.07107	2.95891	ug/L	09/29/10	16:35	
61589-5	1960/1	15.25333	11.33601	19.17065	36.31941	ug/L	09/29/10	16:35	
61589-5	1960/2	1.75489	8.13344	-4.62365	514.02648	ug/L	09/29/10	16:35	
61589-5	Y	1392.30078	1393.33923	1391.26245	0.10547		09/29/10	16:35	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-6	Ag	1.51298	2.06455	0.96141	51.55622	ug/L	09/29/10	16:40	
61589-6	Al	245323.92187	245600.03125	245047.81250	0.15916	ug/L	09/29/10	16:40	
61589-6	2Al	245.32168	245.61065	245.03273	0.16657	mg/L	09/29/10	16:40	
61589-6	As	68.63431	67.77750	69.49112	1.76546	ug/L	09/29/10	16:40	
61589-6	B	236.74188	237.58244	235.90130	0.50212	ug/L	09/29/10	16:40	
61589-6	Ba	1277.18591	1276.43066	1277.94116	0.08362	ug/L	09/29/10	16:40	
61589-6	Be	17.00280	17.02784	16.97776	0.20827	ug/L	09/29/10	16:40	
61589-6	Ca	273151.12500	273519.37500	272782.84375	0.19066	ug/L	09/29/10	16:40	
61589-6	Cd	2.25623	2.42288	2.08958	10.44574	ug/L	09/29/10	16:40	
61589-6	Co	86.22659	86.62606	85.82712	0.65517	ug/L	09/29/10	16:40	
61589-6	Cr	220.35188	220.65943	220.04432	0.19738	ug/L	09/29/10	16:40	
61589-6	Cu	119.57775	119.43428	119.72123	0.16968	ug/L	09/29/10	16:40	
61589-6	Fe	325730.00000	325981.25000	325478.78125	0.10907	ug/L	09/29/10	16:40	
61589-6	2Fe	325.67007	325.93814	325.40200	0.11640	mg/L	09/29/10	16:40	
61589-6	K	48233.34765	48239.82031	48226.87500	0.01897	ug/L	09/29/10	16:40	
61589-6	Mg	35601.64453	35651.43359	35551.85546	0.19777	ug/L	09/29/10	16:40	
61589-6	2Mg	35.54130	35.59231	35.49029	0.20296	mg/L	09/29/10	16:40	
61589-6	Mn	18006.26171	18031.77148	17980.75390	0.20034	ug/L	09/29/10	16:40	
61589-6	Mo	13.27958	13.22143	13.33774	0.61930	ug/L	09/29/10	16:40	
61589-6	Na	2020.43334	1966.89660	2073.96997	3.74732	ug/L	09/29/10	16:40	
61589-6	Ni	266.80554	266.55950	267.05157	0.13041	ug/L	09/29/10	16:40	
61589-6	Pb	274.34619	275.26730	273.42504	0.47482	ug/L	09/29/10	16:40	
61589-6	Se	11.14628	12.67917	9.61340	19.44884	ug/L	09/29/10	16:40	
61589-6	Sb	5.72946	6.60460	4.85433	21.60111	ug/L	09/29/10	16:40	
61589-6	Sn	14.49074	14.46295	14.51853	0.27120	ug/L	09/29/10	16:40	
61589-6	Sr	1856.63000	1857.87365	1855.38635	0.09473	ug/L	09/29/10	16:40	
61589-6	Ti	1059.97729	1060.06188	1059.89257	0.01129	ug/L	09/29/10	16:40	
61589-6	Tl	7.58731	8.48061	6.69402	16.65023	ug/L	09/29/10	16:40	
61589-6	V	295.88034	296.11254	295.64813	0.11098	ug/L	09/29/10	16:40	
61589-6	Zn	565.68457	565.90826	565.46081	0.05593	ug/L	09/29/10	16:40	
61589-6	2203/1	292.47784	294.76284	290.19281	1.10487	ug/L	09/29/10	16:40	
61589-6	2203/2	265.29394	265.53414	265.05374	0.12804	ug/L	09/29/10	16:40	
61589-6	1960/1	16.42124	15.39917	17.44330	8.80214	ug/L	09/29/10	16:40	
61589-6	1960/2	8.51276	11.32121	5.70432	46.65626	ug/L	09/29/10	16:40	
61589-6	Y	1298.30358	1297.97363	1298.63354	0.03594		09/29/10	16:40	
61589-7	Ag	1.30547	0.88695	1.72399	45.33778	ug/L	09/29/10	16:44	
61589-7	Al	218644.06250	217738.34375	219549.79687	0.58583	ug/L	09/29/10	16:44	
61589-7	2Al	218.63928	217.72976	219.54879	0.58829	mg/L	09/29/10	16:44	
61589-7	As	61.97180	59.62380	64.31980	5.35819	ug/L	09/29/10	16:44	
61589-7	B	236.83374	235.66166	238.00581	0.69988	ug/L	09/29/10	16:44	
61589-7	Ba	1090.12597	1086.05310	1094.19897	0.52837	ug/L	09/29/10	16:44	
61589-7	Be	15.84112	15.72783	15.95442	1.01144	ug/L	09/29/10	16:44	
61589-7	Ca	304947.34375	304029.96875	305864.71875	0.42543	ug/L	09/29/10	16:44	
61589-7	Cd	2.06354	2.32121	1.80587	17.65919	ug/L	09/29/10	16:44	
61589-7	Co	92.93641	92.52225	93.35057	0.63022	ug/L	09/29/10	16:44	
61589-7	Cr	224.60037	223.52104	225.67971	0.67961	ug/L	09/29/10	16:44	
61589-7	Cu	120.44300	120.05816	120.82784	0.45186	ug/L	09/29/10	16:44	
61589-7	Fe	288036.09375	286865.93750	289206.25000	0.57452	ug/L	09/29/10	16:44	
61589-7	2Fe	287.97912	286.80429	289.15393	0.57693	mg/L	09/29/10	16:44	
61589-7	K	51962.01562	51866.20312	52057.83203	0.26077	ug/L	09/29/10	16:44	
61589-7	Mg	43204.44140	43058.34375	43350.53906	0.47822	ug/L	09/29/10	16:44	
61589-7	2Mg	43.14807	43.00087	43.29526	0.48245	mg/L	09/29/10	16:44	
61589-7	Mn	16994.83984	16933.56445	17056.11718	0.50990	ug/L	09/29/10	16:44	
61589-7	Mo	8.97637	8.75692	9.19583	3.45744	ug/L	09/29/10	16:44	
61589-7	Na	2287.45849	2358.04296	2216.87377	4.36386	ug/L	09/29/10	16:44	
61589-7	Ni	270.59994	269.79443	271.40545	0.42097	ug/L	09/29/10	16:44	
61589-7	Pb	255.02075	253.58712	256.45437	0.79501	ug/L	09/29/10	16:44	
61589-7	Se	6.47265	2.34651	10.59879	90.15229	ug/L	09/29/10	16:44	
61589-7	Sb	0.55893	-1.84405	2.96191	608.00524	ug/L	09/29/10	16:44	
61589-7	Sn	14.53649	13.28418	15.78881	12.18338	ug/L	09/29/10	16:44	
61589-7	Sr	1671.16162	1664.49194	1677.83129	0.56441	ug/L	09/29/10	16:44	
61589-7	Ti	565.22186	562.90417	567.53955	0.57989	ug/L	09/29/10	16:44	
61589-7	Tl	8.08009	9.13401	7.02618	18.44608	ug/L	09/29/10	16:44	
61589-7	V	259.14398	258.84402	259.44396	0.16370	ug/L	09/29/10	16:44	
61589-7	Zn	548.73437	546.99676	550.47198	0.44782	ug/L	09/29/10	16:44	
61589-7	2203/1	263.22662	253.03115	273.42211	5.47763	ug/L	09/29/10	16:44	
61589-7	2203/2	250.92395	253.86468	247.98320	1.65740	ug/L	09/29/10	16:44	
61589-7	1960/1	2.38625	-10.27348	15.04598	750.28015	ug/L	09/29/10	16:44	
61589-7	1960/2	8.51279	8.64704	8.37854	2.23033	ug/L	09/29/10	16:44	
61589-7	Y	1242.96484	1246.89843	1239.03125	0.44755		09/29/10	16:44	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-8	Ag	1.54328	2.27764	0.80893	67.29367	ug/L	09/29/10	16:48	
61589-8	Al	250346.92187	250983.25000	249710.59375	0.35946	ug/L	09/29/10	16:48	
61589-8	2Al	250.35110	250.99493	249.70726	0.36369	mg/L	09/29/10	16:48	
61589-8	As	68.05187	66.07901	70.02473	4.09988	ug/L	09/29/10	16:48	
61589-8	B	263.87530	264.69183	263.05880	0.43760	ug/L	09/29/10	16:48	
61589-8	Ba	1353.69677	1357.07910	1350.31433	0.35335	ug/L	09/29/10	16:48	
61589-8	Be	18.06491	18.10046	18.02936	0.27828	ug/L	09/29/10	16:48	
61589-8	Ca	345730.37500	346762.37500	344698.34375	0.42214	ug/L	09/29/10	16:48	
61589-8	Cd	1.95236	1.76161	2.14311	13.81724	ug/L	09/29/10	16:48	
61589-8	Co	90.47901	90.49282	90.46520	0.02158	ug/L	09/29/10	16:48	
61589-8	Cr	243.47744	244.42878	242.52610	0.55257	ug/L	09/29/10	16:48	
61589-8	Cu	130.00872	129.98348	130.03398	0.02746	ug/L	09/29/10	16:48	
61589-8	Fe	320212.75000	321041.75000	319383.75000	0.36612	ug/L	09/29/10	16:48	
61589-8	2Fe	320.16183	321.00018	319.32348	0.37031	mg/L	09/29/10	16:48	
61589-8	K	55809.16406	56164.99609	55453.32812	0.90168	ug/L	09/29/10	16:48	
61589-8	Mg	44428.15625	44552.88671	44303.42187	0.39704	ug/L	09/29/10	16:48	
61589-8	2Mg	44.36695	44.49280	44.24110	0.40114	mg/L	09/29/10	16:48	
61589-8	Mn	19470.46875	19509.61718	19431.31835	0.28435	ug/L	09/29/10	16:48	
61589-8	Mo	9.41024	10.37020	8.45028	14.42668	ug/L	09/29/10	16:48	
61589-8	Na	2415.80102	2462.97363	2368.62841	2.76149	ug/L	09/29/10	16:48	
61589-8	Ni	291.77499	292.95074	290.59924	0.56987	ug/L	09/29/10	16:48	
61589-8	Pb	291.54910	291.60232	291.49588	0.02581	ug/L	09/29/10	16:48	
61589-8	Se	9.54045	9.80530	9.27559	3.92606	ug/L	09/29/10	16:48	
61589-8	Sb	3.91717	3.56246	4.27188	12.80618	ug/L	09/29/10	16:48	
61589-8	Sn	13.94836	13.50842	14.38829	4.46046	ug/L	09/29/10	16:48	
61589-8	Sr	1983.42614	1987.72595	1979.12634	0.30658	ug/L	09/29/10	16:48	
61589-8	Ti	845.45703	847.61456	843.29943	0.36089	ug/L	09/29/10	16:48	
61589-8	Tl	6.14178	6.70714	5.57643	13.01787	ug/L	09/29/10	16:48	
61589-8	V	293.95846	294.96218	292.95474	0.48288	ug/L	09/29/10	16:48	
61589-8	Zn	606.37182	607.82464	604.91900	0.33883	ug/L	09/29/10	16:48	
61589-8	2203/1	307.09765	311.47534	302.71997	2.01596	ug/L	09/29/10	16:48	
61589-8	2203/2	283.78649	281.68072	285.89227	1.04938	ug/L	09/29/10	16:48	
61589-8	1960/1	10.14390	12.52304	7.76476	33.16880	ug/L	09/29/10	16:48	
61589-8	1960/2	9.23917	8.44847	10.02987	12.10299	ug/L	09/29/10	16:48	
61589-8	Y	1280.94555	1277.19677	1284.69433	0.41387		09/29/10	16:48	
CCV	Ag	502.55157	502.27890	502.82427	0.07673	ug/L	09/29/10	16:54	
CCV	Al	4927.01171	4930.64697	4923.37597	0.10435	ug/L	09/29/10	16:54	
CCV	2Al	4.92710	4.93064	4.92357	0.10143	mg/L	09/29/10	16:54	
CCV	As	503.42181	499.31213	507.53146	1.15448	ug/L	09/29/10	16:54	
CCV	B	5058.27734	5053.48242	5063.07177	0.13405	ug/L	09/29/10	16:54	
CCV	Ba	5074.68115	5081.68847	5067.67382	0.19528	ug/L	09/29/10	16:54	
CCV	Be	512.89910	511.94586	513.85235	0.26283	ug/L	09/29/10	16:54	
CCV	Ca	5065.26513	5063.73388	5066.79638	0.04275	ug/L	09/29/10	16:54	
CCV	Cd	512.62695	512.17108	513.08282	0.12576	ug/L	09/29/10	16:54	
CCV	Co	508.51263	507.43798	509.58724	0.29886	ug/L	09/29/10	16:54	
CCV	Cr	5122.50878	5117.54443	5127.47314	0.13705	ug/L	09/29/10	16:54	
CCV	Cu	5009.64794	5016.00146	5003.29443	0.17935	ug/L	09/29/10	16:54	
CCV	Fe	5035.04785	5029.45898	5040.63720	0.15698	ug/L	09/29/10	16:54	
CCV	2Fe	5.03504	5.02945	5.04063	0.15696	mg/L	09/29/10	16:54	
CCV	K	9982.42187	10007.47070	9957.37207	0.35487	ug/L	09/29/10	16:54	
CCV	Mg	5039.64160	5031.98730	5047.29589	0.21479	ug/L	09/29/10	16:54	
CCV	2Mg	5.03969	5.03204	5.04735	0.21470	mg/L	09/29/10	16:54	
CCV	Mn	5163.61962	5162.49023	5164.74902	0.03093	ug/L	09/29/10	16:54	
CCV	Mo	514.55780	514.05993	515.05566	0.13683	ug/L	09/29/10	16:54	
CCV	Na	7787.64160	7692.30712	7882.97607	1.73124	ug/L	09/29/10	16:54	
CCV	Ni	2540.06762	2537.13525	2543.00000	0.16326	ug/L	09/29/10	16:54	
CCV	Pb	509.80001	506.20654	513.39349	0.99685	ug/L	09/29/10	16:54	
CCV	Se	5098.53125	5070.76513	5126.29785	0.77017	ug/L	09/29/10	16:54	
CCV	Sb	497.89556	494.67276	501.11834	0.91539	ug/L	09/29/10	16:54	
CCV	Sn	5089.62695	5083.35986	5095.89355	0.17413	ug/L	09/29/10	16:54	
CCV	Sr	2591.47998	2590.30468	2592.65551	0.06414	ug/L	09/29/10	16:54	
CCV	Ti	505.46435	505.71401	505.21466	0.06985	ug/L	09/29/10	16:54	
CCV	Tl	5120.24560	5117.78710	5122.70410	0.06790	ug/L	09/29/10	16:54	
CCV	V	5029.75976	5029.20556	5030.31347	0.01557	ug/L	09/29/10	16:54	
CCV	Zn	2556.23681	2553.01074	2559.46313	0.17848	ug/L	09/29/10	16:54	
CCV	2203/1	508.16473	503.59060	512.73883	1.27296	ug/L	09/29/10	16:54	
CCV	2203/2	510.61233	507.50842	513.71624	0.85967	ug/L	09/29/10	16:54	
CCV	1960/1	5038.55664	5015.03759	5062.07568	0.66012	ug/L	09/29/10	16:54	
CCV	1960/2	5128.47363	5098.58691	5158.36083	0.82415	ug/L	09/29/10	16:54	
CCV	Y	1076.43359	1079.72485	1073.14233	0.43240		09/29/10	16:54	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	1.14621	1.58266	0.70975	53.85038	ug/L	09/29/10	17:02	
CCB	Al	12.26452	12.86738	11.66167	6.95146	ug/L	09/29/10	17:02	
CCB	2Al	0.01226	0.01286	0.01166	6.95154	mg/L	09/29/10	17:02	
CCB	As	-2.18920	-0.91155	-3.46685	82.53530	ug/L	09/29/10	17:02	
CCB	B	5.52023	6.27931	4.76114	19.44683	ug/L	09/29/10	17:02	
CCB	Ba	0.07473	0.02449	0.12497	95.06454	ug/L	09/29/10	17:02	
CCB	Be	0.01627	0.01199	0.02054	37.18750	ug/L	09/29/10	17:02	
CCB	Ca	-1.90577	-1.57302	-2.23852	24.69221	ug/L	09/29/10	17:02	
CCB	Cd	-0.02007	-0.02009	-0.02006	0.08074	ug/L	09/29/10	17:02	
CCB	Co	-0.35801	-0.12215	-0.59388	93.16801	ug/L	09/29/10	17:02	
CCB	Cr	-0.20126	0.14292	-0.54546	241.84872	ug/L	09/29/10	17:02	
CCB	Cu	-0.83844	-0.51967	-1.15721	53.76666	ug/L	09/29/10	17:02	
CCB	Fe	2.28923	-3.93679	8.51526	384.62429	ug/L	09/29/10	17:02	
CCB	2Fe	0.00228	-0.00393	0.00851	384.63095	mg/L	09/29/10	17:02	
CCB	K	15.52841	9.96014	21.09668	50.71166	ug/L	09/29/10	17:02	
CCB	Mg	3.06378	6.12607	0.00149	141.35214	ug/L	09/29/10	17:02	
CCB	2Mg	0.00306	0.00612	0.00000	141.42126	mg/L	09/29/10	17:02	
CCB	Mn	0.04197	0.08370	0.00023	140.61473	ug/L	09/29/10	17:02	
CCB	Mo	-0.25999	0.44375	-0.96374	382.79470	ug/L	09/29/10	17:02	
CCB	Na	332.50167	121.27988	543.72344	89.83795	ug/L	09/29/10	17:02	
CCB	Ni	0.06179	-0.02157	0.14517	190.79766	ug/L	09/29/10	17:02	
CCB	Pb	-1.93792	-1.87604	-1.99979	4.51539	ug/L	09/29/10	17:02	
CCB	Se	1.78718	-0.66158	4.23594	193.77313	ug/L	09/29/10	17:02	
CCB	Sb	0.45579	2.30521	-1.39363	573.83142	ug/L	09/29/10	17:02	
CCB	Sn	-3.46819	-3.55930	-3.37708	3.71520	ug/L	09/29/10	17:02	
CCB	Sr	-0.00952	0.01953	-0.03858	431.49166	ug/L	09/29/10	17:02	
CCB	Ti	-0.11882	0.07434	-0.31198	229.90310	ug/L	09/29/10	17:02	
CCB	Tl	-0.06831	3.56024	-3.69688	7511.29003	ug/L	09/29/10	17:02	
CCB	V	0.40785	0.53842	0.27728	45.27513	ug/L	09/29/10	17:02	
CCB	Zn	-0.09585	0.09684	-0.28855	284.29107	ug/L	09/29/10	17:02	
CCB	2203/1	3.03938	4.51764	1.56113	68.78263	ug/L	09/29/10	17:02	
CCB	2203/2	-4.42284	-5.06809	-3.77758	20.63212	ug/L	09/29/10	17:02	
CCB	1960/1	3.03217	0.88869	5.17565	99.97245	ug/L	09/29/10	17:02	
CCB	1960/2	1.16561	-1.43556	3.76679	315.59405	ug/L	09/29/10	17:02	
CCB	Y	1075.34228	1074.31274	1076.37194	0.13540		09/29/10	17:02	
61589-9	Ag	1.55610	1.71466	1.39754	14.41034	ug/L	09/29/10	17:06	
61589-9	Al	222928.48437	223839.70312	222017.26562	0.57805	ug/L	09/29/10	17:06	
61589-9	2Al	222.92988	223.84147	222.01829	0.57829	mg/L	09/29/10	17:06	
61589-9	As	74.09796	74.77676	73.41916	1.29553	ug/L	09/29/10	17:06	
61589-9	B	225.89102	226.88885	224.89320	0.62469	ug/L	09/29/10	17:06	
61589-9	Ba	1272.26025	1278.38977	1266.13073	0.68134	ug/L	09/29/10	17:06	
61589-9	Be	16.59841	16.66058	16.53625	0.52964	ug/L	09/29/10	17:06	
61589-9	Ca	332158.00000	333302.46875	331013.50000	0.48728	ug/L	09/29/10	17:06	
61589-9	Cd	2.00022	1.86501	2.13544	9.56003	ug/L	09/29/10	17:06	
61589-9	Co	81.81944	81.40345	82.23544	0.71903	ug/L	09/29/10	17:06	
61589-9	Cr	211.74954	212.11929	211.37980	0.24694	ug/L	09/29/10	17:06	
61589-9	Cu	124.57170	125.24220	123.90121	0.76118	ug/L	09/29/10	17:06	
61589-9	Fe	306237.81250	307266.78125	305208.87500	0.47517	ug/L	09/29/10	17:06	
61589-9	2Fe	306.18597	307.21527	305.15670	0.47540	mg/L	09/29/10	17:06	
61589-9	K	47082.50000	47455.07812	46709.92187	1.11911	ug/L	09/29/10	17:06	
61589-9	Mg	38854.61718	38967.43359	38741.80078	0.41062	ug/L	09/29/10	17:06	
61589-9	2Mg	38.79942	38.91205	38.68679	0.41054	mg/L	09/29/10	17:06	
61589-9	Mn	20991.34765	21055.04882	20927.64453	0.42916	ug/L	09/29/10	17:06	
61589-9	Mo	12.26910	13.30487	11.23334	11.93882	ug/L	09/29/10	17:06	
61589-9	Na	2232.88037	2223.17919	2242.58154	0.61443	ug/L	09/29/10	17:06	
61589-9	Ni	281.33453	281.68145	280.98760	0.17439	ug/L	09/29/10	17:06	
61589-9	Pb	284.27526	282.44229	286.10827	0.91187	ug/L	09/29/10	17:06	
61589-9	Se	9.01447	7.67774	10.35120	20.97095	ug/L	09/29/10	17:06	
61589-9	Sb	4.73178	4.85838	4.60519	3.78363	ug/L	09/29/10	17:06	
61589-9	Sn	14.25972	17.48983	11.02961	32.03477	ug/L	09/29/10	17:06	
61589-9	Sr	1959.37365	1966.04101	1952.70629	0.48122	ug/L	09/29/10	17:06	
61589-9	Ti	752.76849	755.86968	749.66729	0.58261	ug/L	09/29/10	17:06	
61589-9	Tl	9.60706	9.82062	9.39350	3.14373	ug/L	09/29/10	17:06	
61589-9	V	258.44546	260.22888	256.66204	0.97588	ug/L	09/29/10	17:06	
61589-9	Zn	569.82189	571.21588	568.42791	0.34596	ug/L	09/29/10	17:06	
61589-9	2203/1	300.05358	303.38882	296.71838	1.57195	ug/L	09/29/10	17:06	
61589-9	2203/2	276.39794	271.98471	280.81118	2.25807	ug/L	09/29/10	17:06	
61589-9	1960/1	14.02871	16.52704	11.53038	25.18528	ug/L	09/29/10	17:06	
61589-9	1960/2	6.51110	3.25972	9.76249	70.62008	ug/L	09/29/10	17:06	
61589-9	Y	1254.33447	1252.35437	1256.31445	0.22324		09/29/10	17:06	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-10	Ag	2.04510	2.02769	2.06250	1.20352	ug/L	09/29/10	17:11	
61589-10	Al	236580.46875	236752.62500	236408.31250	0.10291	ug/L	09/29/10	17:11	
61589-10	2Al	236.57121	236.73876	236.40365	0.10016	mg/L	09/29/10	17:11	
61589-10	As	82.00845	83.03034	80.98655	1.76222	ug/L	09/29/10	17:11	
61589-10	B	228.03341	227.87629	228.19055	0.09744	ug/L	09/29/10	17:11	
61589-10	Ba	1270.72900	1272.54870	1268.90942	0.20251	ug/L	09/29/10	17:11	
61589-10	Be	16.78842	16.81947	16.75736	0.26158	ug/L	09/29/10	17:11	
61589-10	Ca	392422.18750	392546.65625	392297.75000	0.04485	ug/L	09/29/10	17:11	
61589-10	Cd	2.07369	2.06637	2.08101	0.49951	ug/L	09/29/10	17:11	
61589-10	Co	71.30181	71.49580	71.10781	0.38476	ug/L	09/29/10	17:11	
61589-10	Cr	206.50726	207.00878	206.00573	0.34345	ug/L	09/29/10	17:11	
61589-10	Cu	109.50759	109.57064	109.44453	0.08143	ug/L	09/29/10	17:11	
61589-10	Fe	305792.00000	306113.46875	305470.56250	0.14866	ug/L	09/29/10	17:11	
61589-10	2Fe	305.72653	306.04202	305.41104	0.14593	mg/L	09/29/10	17:11	
61589-10	K	46737.77343	46812.41406	46663.12890	0.22585	ug/L	09/29/10	17:11	
61589-10	Mg	31731.33593	31760.92968	31701.74218	0.13189	ug/L	09/29/10	17:11	
61589-10	2Mg	31.67663	31.70495	31.64832	0.12639	mg/L	09/29/10	17:11	
61589-10	Mn	20191.16796	20212.35546	20169.97851	0.14840	ug/L	09/29/10	17:11	
61589-10	Mo	13.71657	13.54935	13.88380	1.72413	ug/L	09/29/10	17:11	
61589-10	Na	2192.76611	2168.26049	2217.27197	1.58048	ug/L	09/29/10	17:11	
61589-10	Ni	255.91012	256.31240	255.50785	0.22230	ug/L	09/29/10	17:11	
61589-10	Pb	260.28125	260.23834	260.32418	0.02332	ug/L	09/29/10	17:11	
61589-10	Se	9.78990	11.63347	7.94633	26.63156	ug/L	09/29/10	17:11	
61589-10	Sb	3.84237	2.68807	4.99667	42.48491	ug/L	09/29/10	17:11	
61589-10	Sn	13.36048	11.98656	14.73440	14.54304	ug/L	09/29/10	17:11	
61589-10	Sr	2325.46020	2328.43481	2322.48559	0.18089	ug/L	09/29/10	17:11	
61589-10	Ti	1121.78271	1122.62646	1120.93884	0.10637	ug/L	09/29/10	17:11	
61589-10	Tl	12.30317	14.14263	10.46371	21.14406	ug/L	09/29/10	17:11	
61589-10	V	286.28051	286.45764	286.10342	0.08749	ug/L	09/29/10	17:11	
61589-10	Zn	487.05639	487.52438	486.58843	0.13587	ug/L	09/29/10	17:11	
61589-10	2203/1	280.80133	281.61123	279.99139	0.40790	ug/L	09/29/10	17:11	
61589-10	2203/2	250.03662	249.56791	250.50531	0.26509	ug/L	09/29/10	17:11	
61589-10	1960/1	16.11030	14.38444	17.83616	15.15015	ug/L	09/29/10	17:11	
61589-10	1960/2	6.63444	10.26005	3.00883	77.28442	ug/L	09/29/10	17:11	
61589-10	Y	1339.65039	1338.50634	1340.79443	0.12077		09/29/10	17:11	
61589-11	Ag	1.01517	0.70585	1.32448	43.08971	ug/L	09/29/10	17:15	
61589-11	Al	241910.84375	248899.09375	234922.57812	4.08534	ug/L	09/29/10	17:15	
61589-11	2Al	241.91101	248.90132	234.92070	4.08654	mg/L	09/29/10	17:15	
61589-11	As	54.52226	55.79522	53.24929	3.30185	ug/L	09/29/10	17:15	
61589-11	B	185.30841	190.62931	179.98750	4.06074	ug/L	09/29/10	17:15	
61589-11	Ba	1352.70446	1389.85339	1315.55554	3.88381	ug/L	09/29/10	17:15	
61589-11	Be	16.55620	16.96803	16.14436	3.51787	ug/L	09/29/10	17:15	
61589-11	Ca	260962.78125	267817.65625	254107.90625	3.71480	ug/L	09/29/10	17:15	
61589-11	Cd	1.91217	1.97107	1.85326	4.35649	ug/L	09/29/10	17:15	
61589-11	Co	73.83984	76.14593	71.53376	4.41672	ug/L	09/29/10	17:15	
61589-11	Cr	196.65850	201.86282	191.45420	3.74252	ug/L	09/29/10	17:15	
61589-11	Cu	101.40464	104.47480	98.33448	4.28171	ug/L	09/29/10	17:15	
61589-11	Fe	282146.62500	289985.96875	274307.28125	3.92934	ug/L	09/29/10	17:15	
61589-11	2Fe	282.09771	289.93792	274.25747	3.93046	mg/L	09/29/10	17:15	
61589-11	K	39816.03125	40691.26562	38940.79687	3.10871	ug/L	09/29/10	17:15	
61589-11	Mg	27078.40039	27794.07226	26362.72851	3.73771	ug/L	09/29/10	17:15	
61589-11	2Mg	27.02760	27.74186	26.31334	3.73735	mg/L	09/29/10	17:15	
61589-11	Mn	14096.00000	14465.22949	13726.77050	3.70437	ug/L	09/29/10	17:15	
61589-11	Mo	9.00477	9.58493	8.42460	9.11157	ug/L	09/29/10	17:15	
61589-11	Na	1657.67749	1640.23059	1675.12426	1.48844	ug/L	09/29/10	17:15	
61589-11	Ni	224.79763	230.98599	218.60926	3.89313	ug/L	09/29/10	17:15	
61589-11	Pb	267.69482	273.37274	262.01687	2.99961	ug/L	09/29/10	17:15	
61589-11	Se	10.00862	10.27708	9.74016	3.79327	ug/L	09/29/10	17:15	
61589-11	Sb	2.68799	3.49900	1.87697	42.66924	ug/L	09/29/10	17:15	
61589-11	Sn	14.80339	13.61439	15.99239	11.35889	ug/L	09/29/10	17:15	
61589-11	Sr	2066.60131	2120.83837	2012.36437	3.71153	ug/L	09/29/10	17:15	
61589-11	Ti	1095.94580	1125.68139	1066.21020	3.83709	ug/L	09/29/10	17:15	
61589-11	Tl	9.58431	10.37981	8.78881	11.73800	ug/L	09/29/10	17:15	
61589-11	V	280.68518	288.92758	272.44274	4.15288	ug/L	09/29/10	17:15	
61589-11	Zn	478.22814	490.76022	465.69610	3.70597	ug/L	09/29/10	17:15	
61589-11	2203/1	287.22781	289.19900	285.25662	0.97054	ug/L	09/29/10	17:15	
61589-11	2203/2	257.94293	265.47146	250.41442	4.12763	ug/L	09/29/10	17:15	
61589-11	1960/1	16.22804	17.98417	14.47190	15.30409	ug/L	09/29/10	17:15	
61589-11	1960/2	6.90357	6.42930	7.37784	9.71551	ug/L	09/29/10	17:15	
61589-11	Y	1422.15917	1395.63598	1448.68237	2.63750		09/29/10	17:15	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-12	Ag	0.90130	0.88358	0.91902	2.77995	ug/L	09/29/10	17:20	
61589-12	Al	226227.71875	226805.40625	225650.04687	0.36112	ug/L	09/29/10	17:20	
61589-12	2Al	226.23175	226.81373	225.64974	0.36381	mg/L	09/29/10	17:20	
61589-12	As	68.29467	64.43466	72.15469	7.99312	ug/L	09/29/10	17:20	
61589-12	B	216.82777	216.29367	217.36187	0.34835	ug/L	09/29/10	17:20	
61589-12	Ba	1216.95007	1219.31323	1214.58691	0.27462	ug/L	09/29/10	17:20	
61589-12	Be	16.10262	16.07643	16.12881	0.22998	ug/L	09/29/10	17:20	
61589-12	Ca	401028.87500	400441.40625	401616.37500	0.20717	ug/L	09/29/10	17:20	
61589-12	Cd	2.23581	2.33392	2.13770	6.20564	ug/L	09/29/10	17:20	
61589-12	Co	62.99820	62.33035	63.66605	1.49922	ug/L	09/29/10	17:20	
61589-12	Cr	205.87802	205.43667	206.31938	0.30317	ug/L	09/29/10	17:20	
61589-12	Cu	103.11669	103.21472	103.01867	0.13443	ug/L	09/29/10	17:20	
61589-12	Fe	287611.87500	287600.93750	287622.81250	0.00537	ug/L	09/29/10	17:20	
61589-12	2Fe	287.56661	287.56094	287.57229	0.00279	mg/L	09/29/10	17:20	
61589-12	K	44030.52343	44169.96484	43891.07812	0.44787	ug/L	09/29/10	17:20	
61589-12	Mg	29852.60156	29800.65820	29904.54492	0.24607	ug/L	09/29/10	17:20	
61589-12	2Mg	29.80029	29.74836	29.85221	0.24641	mg/L	09/29/10	17:20	
61589-12	Mn	14591.12207	14597.43164	14584.81250	0.06115	ug/L	09/29/10	17:20	
61589-12	Mo	12.11288	12.72965	11.49611	7.20096	ug/L	09/29/10	17:20	
61589-12	Na	2029.96752	2074.86352	1985.07165	3.12775	ug/L	09/29/10	17:20	
61589-12	Ni	229.59384	229.54000	229.64767	0.03315	ug/L	09/29/10	17:20	
61589-12	Pb	250.37907	250.14945	250.60868	0.12969	ug/L	09/29/10	17:20	
61589-12	Se	5.32783	6.61250	4.04316	34.10014	ug/L	09/29/10	17:20	
61589-12	Sb	3.52388	3.16238	3.88539	14.50803	ug/L	09/29/10	17:20	
61589-12	Sn	14.70581	14.81559	14.59603	1.05571	ug/L	09/29/10	17:20	
61589-12	Sr	2318.73828	2326.87939	2310.59692	0.49653	ug/L	09/29/10	17:20	
61589-12	Ti	1174.80200	1175.33410	1174.26989	0.06405	ug/L	09/29/10	17:20	
61589-12	Tl	10.04206	10.22241	9.86170	2.53993	ug/L	09/29/10	17:20	
61589-12	V	281.33007	280.84173	281.81838	0.24547	ug/L	09/29/10	17:20	
61589-12	Zn	445.35409	443.87634	446.83184	0.46925	ug/L	09/29/10	17:20	
61589-12	2203/1	256.26901	263.75024	248.78779	4.12849	ug/L	09/29/10	17:20	
61589-12	2203/2	247.43852	243.35926	251.51777	2.33146	ug/L	09/29/10	17:20	
61589-12	1960/1	4.62755	10.83808	-1.58297	189.79806	ug/L	09/29/10	17:20	
61589-12	1960/2	5.67745	4.50288	6.85201	29.25755	ug/L	09/29/10	17:20	
61589-12	Y	1370.42846	1362.90881	1377.94799	0.77598		09/29/10	17:20	
61589-13	Ag	1.39932	1.73113	1.06750	33.53485	ug/L	09/29/10	17:26	
61589-13	Al	221521.37500	222158.70312	220884.03125	0.40688	ug/L	09/29/10	17:26	
61589-13	2Al	221.51364	222.15547	220.87181	0.40976	mg/L	09/29/10	17:26	
61589-13	As	62.61328	61.68777	63.53879	2.09039	ug/L	09/29/10	17:26	
61589-13	B	200.17762	200.74298	199.61227	0.39941	ug/L	09/29/10	17:26	
61589-13	Ba	1228.81469	1230.58190	1227.04760	0.20337	ug/L	09/29/10	17:26	
61589-13	Be	15.79012	15.83195	15.74829	0.37465	ug/L	09/29/10	17:26	
61589-13	Ca	364890.00000	365756.93750	364023.03125	0.33600	ug/L	09/29/10	17:26	
61589-13	Cd	2.23867	2.15472	2.32262	5.30355	ug/L	09/29/10	17:26	
61589-13	Co	57.95304	58.04972	57.85636	0.23592	ug/L	09/29/10	17:26	
61589-13	Cr	189.51327	189.87460	189.15194	0.26963	ug/L	09/29/10	17:26	
61589-13	Cu	98.67563	98.74372	98.60755	0.09757	ug/L	09/29/10	17:26	
61589-13	Fe	280928.03125	281460.06250	280396.00000	0.26782	ug/L	09/29/10	17:26	
61589-13	2Fe	280.86938	281.40719	280.33160	0.27078	mg/L	09/29/10	17:26	
61589-13	K	40829.97656	40898.54687	40761.40234	0.23751	ug/L	09/29/10	17:26	
61589-13	Mg	27546.99609	27599.57812	27494.41601	0.26994	ug/L	09/29/10	17:26	
61589-13	2Mg	27.49586	27.54957	27.44215	0.27625	mg/L	09/29/10	17:26	
61589-13	Mn	15857.46484	15891.99316	15822.93652	0.30793	ug/L	09/29/10	17:26	
61589-13	Mo	9.49860	10.55392	8.44327	15.71234	ug/L	09/29/10	17:26	
61589-13	Na	2077.17187	2152.32958	2002.01416	5.11700	ug/L	09/29/10	17:26	
61589-13	Ni	230.37673	231.85923	228.89422	0.91006	ug/L	09/29/10	17:26	
61589-13	Pb	246.93251	247.73588	246.12913	0.46010	ug/L	09/29/10	17:26	
61589-13	Se	11.50310	8.42401	14.58218	37.85484	ug/L	09/29/10	17:26	
61589-13	Sb	3.03810	3.28137	2.79484	11.32382	ug/L	09/29/10	17:26	
61589-13	Sn	14.05636	14.05329	14.05943	0.03084	ug/L	09/29/10	17:26	
61589-13	Sr	2224.75244	2228.18286	2221.32177	0.21807	ug/L	09/29/10	17:26	
61589-13	Ti	1092.39916	1094.73925	1090.05908	0.30294	ug/L	09/29/10	17:26	
61589-13	Tl	10.43124	11.13156	9.73092	9.49454	ug/L	09/29/10	17:26	
61589-13	V	268.00628	268.64608	267.36651	0.33760	ug/L	09/29/10	17:26	
61589-13	Zn	437.21936	438.14279	436.29592	0.29868	ug/L	09/29/10	17:26	
61589-13	2203/1	259.09576	259.64785	258.54364	0.30135	ug/L	09/29/10	17:26	
61589-13	2203/2	240.86001	241.78883	239.93118	0.54536	ug/L	09/29/10	17:26	
61589-13	1960/1	14.43086	9.69337	19.16835	46.42705	ug/L	09/29/10	17:26	
61589-13	1960/2	10.04141	7.79029	12.29253	31.70436	ug/L	09/29/10	17:26	
61589-13	Y	1343.18359	1340.74157	1345.62561	0.25711		09/29/10	17:26	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-14	Ag	2.09498	2.25271	1.93725	10.64734	ug/L	09/29/10	17:31	
61589-14	Al	237106.37500	236991.89062	237220.85937	0.06828	ug/L	09/29/10	17:31	
61589-14	2Al	237.10952	236.98851	237.23052	0.07217	mg/L	09/29/10	17:31	
61589-14	As	82.21169	82.06742	82.35596	0.24817	ug/L	09/29/10	17:31	
61589-14	B	243.99197	243.92021	244.06375	0.04159	ug/L	09/29/10	17:31	
61589-14	Ba	1284.15869	1283.68334	1284.63403	0.05234	ug/L	09/29/10	17:31	
61589-14	Be	17.97709	17.95919	17.99498	0.14077	ug/L	09/29/10	17:31	
61589-14	Ca	313219.87500	313339.62500	313100.15625	0.05406	ug/L	09/29/10	17:31	
61589-14	Cd	2.28383	2.31114	2.25652	1.69112	ug/L	09/29/10	17:31	
61589-14	Co	92.14492	91.93361	92.35623	0.32431	ug/L	09/29/10	17:31	
61589-14	Cr	233.50827	233.34783	233.66871	0.09716	ug/L	09/29/10	17:31	
61589-14	Cu	135.97406	135.38752	136.56060	0.61003	ug/L	09/29/10	17:31	
61589-14	Fe	335970.50000	335913.93750	336027.06250	0.02380	ug/L	09/29/10	17:31	
61589-14	2Fe	335.91595	335.85028	335.98162	0.02764	mg/L	09/29/10	17:31	
61589-14	K	50770.92578	50942.89062	50598.96093	0.47900	ug/L	09/29/10	17:31	
61589-14	Mg	44316.71093	44323.30468	44310.11718	0.02104	ug/L	09/29/10	17:31	
61589-14	2Mg	44.25285	44.25815	44.24755	0.01695	mg/L	09/29/10	17:31	
61589-14	Mn	19709.00390	19711.68945	19706.31640	0.01927	ug/L	09/29/10	17:31	
61589-14	Mo	13.22626	15.00748	11.44504	19.04567	ug/L	09/29/10	17:31	
61589-14	Na	2256.39697	2161.98486	2350.80908	5.91734	ug/L	09/29/10	17:31	
61589-14	Ni	312.96511	312.99914	312.93109	0.01537	ug/L	09/29/10	17:31	
61589-14	Pb	298.31707	298.01007	298.62408	0.14554	ug/L	09/29/10	17:31	
61589-14	Se	12.51849	13.37787	11.65911	9.70841	ug/L	09/29/10	17:31	
61589-14	Sb	5.44315	5.05533	5.83097	10.07613	ug/L	09/29/10	17:31	
61589-14	Sn	13.42465	12.94746	13.90183	5.02688	ug/L	09/29/10	17:31	
61589-14	Sr	1789.41430	1790.96557	1787.86315	0.12259	ug/L	09/29/10	17:31	
61589-14	Ti	659.79968	659.50830	660.09106	0.06245	ug/L	09/29/10	17:31	
61589-14	Tl	8.10331	8.07246	8.13416	0.53843	ug/L	09/29/10	17:31	
61589-14	V	278.92205	279.25360	278.59051	0.16810	ug/L	09/29/10	17:31	
61589-14	Zn	649.70507	649.80065	649.60949	0.02080	ug/L	09/29/10	17:31	
61589-14	2203/1	318.87225	315.45816	322.28634	1.51416	ug/L	09/29/10	17:31	
61589-14	2203/2	288.05487	289.29910	286.81066	0.61085	ug/L	09/29/10	17:31	
61589-14	1960/1	19.04893	18.22373	19.87412	6.12631	ug/L	09/29/10	17:31	
61589-14	1960/2	9.25817	10.95858	7.55777	25.97416	ug/L	09/29/10	17:31	
61589-14	Y	1266.54882	1264.71838	1268.37915	0.20437		09/29/10	17:31	
CCV	Ag	507.63647	507.99810	507.27487	0.10074	ug/L	09/29/10	17:58	
CCV	Al	4968.30859	4963.89111	4972.72558	0.12573	ug/L	09/29/10	17:58	
CCV	2Al	4.96840	4.96388	4.97292	0.12863	mg/L	09/29/10	17:58	
CCV	As	506.10516	507.80267	504.40765	0.47433	ug/L	09/29/10	17:58	
CCV	B	5129.52539	5126.13623	5132.91455	0.09343	ug/L	09/29/10	17:58	
CCV	Ba	5120.50488	5129.50439	5111.50488	0.24856	ug/L	09/29/10	17:58	
CCV	Be	517.49829	517.63696	517.35961	0.03789	ug/L	09/29/10	17:58	
CCV	Ca	5083.23046	5090.41357	5076.04785	0.19983	ug/L	09/29/10	17:58	
CCV	Cd	519.55932	520.77172	518.34692	0.33000	ug/L	09/29/10	17:58	
CCV	Co	514.50762	516.26733	512.74792	0.48368	ug/L	09/29/10	17:58	
CCV	Cr	5169.06005	5175.43457	5162.68554	0.17440	ug/L	09/29/10	17:58	
CCV	Cu	5065.05566	5074.73583	5055.37548	0.27028	ug/L	09/29/10	17:58	
CCV	Fe	5026.82421	5035.94580	5017.70312	0.25661	ug/L	09/29/10	17:58	
CCV	2Fe	5.02683	5.03595	5.01771	0.25662	mg/L	09/29/10	17:58	
CCV	K	9998.93554	10050.36230	9947.50976	0.72735	ug/L	09/29/10	17:58	
CCV	Mg	5110.76367	5119.05908	5102.46826	0.22954	ug/L	09/29/10	17:58	
CCV	2Mg	5.11082	5.11911	5.10252	0.22947	mg/L	09/29/10	17:58	
CCV	Mn	5202.03906	5205.79345	5198.28466	0.10206	ug/L	09/29/10	17:58	
CCV	Mo	519.69311	518.56066	520.82556	0.30816	ug/L	09/29/10	17:58	
CCV	Na	7707.10742	7938.69531	7475.51953	4.24951	ug/L	09/29/10	17:58	
CCV	Ni	2574.27441	2577.91064	2570.63793	0.19976	ug/L	09/29/10	17:58	
CCV	Pb	516.01928	517.59448	514.44409	0.43170	ug/L	09/29/10	17:58	
CCV	Se	5153.65429	5171.05859	5136.24951	0.47759	ug/L	09/29/10	17:58	
CCV	Sb	496.74612	498.64355	494.84869	0.54018	ug/L	09/29/10	17:58	
CCV	Sn	5150.25878	5156.96777	5143.54931	0.18422	ug/L	09/29/10	17:58	
CCV	Sr	2606.67211	2616.25170	2597.09252	0.51972	ug/L	09/29/10	17:58	
CCV	Ti	510.02947	511.16821	508.89074	0.31574	ug/L	09/29/10	17:58	
CCV	Tl	5189.29248	5208.11230	5170.47265	0.51288	ug/L	09/29/10	17:58	
CCV	V	5093.60742	5102.35791	5084.85693	0.24295	ug/L	09/29/10	17:58	
CCV	Zn	2589.31811	2594.89038	2583.74584	0.30434	ug/L	09/29/10	17:58	
CCV	2203/1	513.62774	516.33819	510.91732	0.74628	ug/L	09/29/10	17:58	
CCV	2203/2	517.20910	518.21746	516.20068	0.27572	ug/L	09/29/10	17:58	
CCV	1960/1	5100.04687	5153.86523	5046.22900	1.49234	ug/L	09/29/10	17:58	
CCV	1960/2	5180.41699	5179.64208	5181.19238	0.02116	ug/L	09/29/10	17:58	
CCV	Y	1077.61279	1079.42553	1075.80004	0.23789		09/29/10	17:58	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.98430	0.30234	1.66625	97.98132	ug/L	09/29/10	18:04	
CCB	Al	14.03230	9.83819	18.22642	42.26943	ug/L	09/29/10	18:04	
CCB	2Al	0.01403	0.00983	0.01822	42.26934	mg/L	09/29/10	18:04	
CCB	As	1.53729	3.36927	-0.29469	168.53099	ug/L	09/29/10	18:04	
CCB	B	10.12470	11.26229	8.98712	15.88969	ug/L	09/29/10	18:04	
CCB	Ba	0.97622	0.23707	1.71536	107.07685	ug/L	09/29/10	18:04	
CCB	Be	0.07387	0.00651	0.14123	128.95658	ug/L	09/29/10	18:04	
CCB	Ca	-0.37438	-1.55688	0.80812	446.68533	ug/L	09/29/10	18:04	
CCB	Cd	-0.03502	0.08493	-0.15497	484.42037	ug/L	09/29/10	18:04	
CCB	Co	0.38306	0.01074	0.75538	137.45530	ug/L	09/29/10	18:04	
CCB	Cr	0.92038	0.25787	1.58289	101.79743	ug/L	09/29/10	18:04	
CCB	Cu	-0.04894	-0.99284	0.89494	2727.15283	ug/L	09/29/10	18:04	
CCB	Fe	9.49662	-1.69374	20.68700	166.64422	ug/L	09/29/10	18:04	
CCB	2Fe	0.00949	-0.00169	0.02068	166.64227	mg/L	09/29/10	18:04	
CCB	K	39.96527	24.64752	55.28303	54.20348	ug/L	09/29/10	18:04	
CCB	Mg	4.55333	3.02750	6.07917	47.39070	ug/L	09/29/10	18:04	
CCB	2Mg	0.00455	0.00302	0.00607	47.35308	mg/L	09/29/10	18:04	
CCB	Mn	0.76938	0.08096	1.45781	126.53990	ug/L	09/29/10	18:04	
CCB	Mo	1.65607	0.44375	2.86839	103.52703	ug/L	09/29/10	18:04	
CCB	Na	396.35632	396.23321	396.47943	0.04392	ug/L	09/29/10	18:04	
CCB	Ni	1.19231	0.90760	1.47703	33.76994	ug/L	09/29/10	18:04	
CCB	Pb	-0.48924	-0.97421	-0.00427	140.18475	ug/L	09/29/10	18:04	
CCB	Se	5.87193	2.81947	8.92438	73.51622	ug/L	09/29/10	18:04	
CCB	Sb	1.43140	-0.38001	3.24283	178.96655	ug/L	09/29/10	18:04	
CCB	Sn	0.83230	1.32835	0.33626	84.28520	ug/L	09/29/10	18:04	
CCB	Sr	0.38616	0.05698	0.71534	120.55390	ug/L	09/29/10	18:04	
CCB	Ti	0.26858	0.26860	0.26855	0.01381	ug/L	09/29/10	18:04	
CCB	Tl	4.24444	0.72694	7.76194	117.20027	ug/L	09/29/10	18:04	
CCB	V	1.78422	0.74006	2.82837	82.76183	ug/L	09/29/10	18:04	
CCB	Zn	0.15883	-0.15943	0.47711	283.37313	ug/L	09/29/10	18:04	
CCB	2203/1	5.69767	5.35877	6.03658	8.41191	ug/L	09/29/10	18:04	
CCB	2203/2	-3.57806	-4.13595	-3.02017	22.05022	ug/L	09/29/10	18:04	
CCB	1960/1	11.07239	11.46296	10.68182	4.98856	ug/L	09/29/10	18:04	
CCB	1960/2	3.27559	-1.49578	8.04698	206.00079	ug/L	09/29/10	18:04	
CCB	Y	1086.13562	1087.04638	1085.22485	0.11858		09/29/10	18:04	
61589-15	Ag	1.30122	1.51937	1.08308	23.70883	ug/L	09/29/10	18:09	
61589-15	Al	178807.12500	179180.20312	178434.06250	0.29506	ug/L	09/29/10	18:09	
61589-15	2Al	178.80285	179.18046	178.42526	0.29865	mg/L	09/29/10	18:09	
61589-15	As	54.68051	55.47172	53.88931	2.04630	ug/L	09/29/10	18:09	
61589-15	B	170.91564	171.73722	170.09405	0.67980	ug/L	09/29/10	18:09	
61589-15	Ba	982.97393	985.94677	980.00109	0.42770	ug/L	09/29/10	18:09	
61589-15	Be	14.81532	14.88352	14.74712	0.65102	ug/L	09/29/10	18:09	
61589-15	Ca	305282.31250	306319.96875	304244.68750	0.48068	ug/L	09/29/10	18:09	
61589-15	Cd	1.83923	1.83342	1.84504	0.44687	ug/L	09/29/10	18:09	
61589-15	Co	73.27572	72.82817	73.72328	0.86376	ug/L	09/29/10	18:09	
61589-15	Cr	182.73956	183.23568	182.24342	0.38395	ug/L	09/29/10	18:09	
61589-15	Cu	107.09283	107.72073	106.46492	0.82917	ug/L	09/29/10	18:09	
61589-15	Fe	273255.25000	274323.87500	272186.59375	0.55306	ug/L	09/29/10	18:09	
61589-15	2Fe	273.20123	274.27648	272.12600	0.55659	mg/L	09/29/10	18:09	
61589-15	K	32784.20312	32790.64843	32777.75781	0.02780	ug/L	09/29/10	18:09	
61589-15	Mg	35758.42968	35916.41015	35600.45312	0.62479	ug/L	09/29/10	18:09	
61589-15	2Mg	35.70575	35.86483	35.54666	0.63009	mg/L	09/29/10	18:09	
61589-15	Mn	14773.89355	14838.75488	14709.03222	0.62087	ug/L	09/29/10	18:09	
61589-15	Mo	4.10286	3.95506	4.25067	5.09461	ug/L	09/29/10	18:09	
61589-15	Na	1777.26147	1984.29077	1570.23217	16.47386	ug/L	09/29/10	18:09	
61589-15	Ni	243.59956	244.22895	242.97016	0.36539	ug/L	09/29/10	18:09	
61589-15	Pb	240.48126	242.45889	238.50361	1.16300	ug/L	09/29/10	18:09	
61589-15	Se	8.28181	7.64747	8.91616	10.83216	ug/L	09/29/10	18:09	
61589-15	Sb	3.18905	2.74450	3.63361	19.71426	ug/L	09/29/10	18:09	
61589-15	Sn	9.22005	9.26826	9.17184	0.73940	ug/L	09/29/10	18:09	
61589-15	Sr	1636.86889	1641.78662	1631.95104	0.42488	ug/L	09/29/10	18:09	
61589-15	Ti	427.64080	428.79608	426.48550	0.38205	ug/L	09/29/10	18:09	
61589-15	Tl	9.07301	8.68874	9.45728	5.98958	ug/L	09/29/10	18:09	
61589-15	V	206.33976	206.61558	206.06394	0.18904	ug/L	09/29/10	18:09	
61589-15	Zn	522.25756	524.75158	519.76348	0.67535	ug/L	09/29/10	18:09	
61589-15	2203/1	252.50933	253.68049	251.33818	0.65592	ug/L	09/29/10	18:09	
61589-15	2203/2	234.47622	236.85650	232.09596	1.43563	ug/L	09/29/10	18:09	
61589-15	1960/1	8.74719	6.45834	11.03605	37.00529	ug/L	09/29/10	18:09	
61589-15	1960/2	8.04947	8.24114	7.85780	3.36740	ug/L	09/29/10	18:09	
61589-15	Y	1252.82958	1248.95764	1256.70153	0.43707		09/29/10	18:09	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-16	Ag	1.72510	1.78492	1.66527	4.90438	ug/L	09/29/10	18:14	
61589-16	Al	241152.46875	240794.17187	241510.75000	0.21011	ug/L	09/29/10	18:14	
61589-16	2Al	241.14282	240.77832	241.50730	0.21376	mg/L	09/29/10	18:14	
61589-16	As	67.37864	67.40859	67.34870	0.06286	ug/L	09/29/10	18:14	
61589-16	B	249.25184	250.70362	247.80006	0.82371	ug/L	09/29/10	18:14	
61589-16	Ba	1297.07080	1294.20520	1299.93627	0.31243	ug/L	09/29/10	18:14	
61589-16	Be	17.86553	17.83595	17.89511	0.23417	ug/L	09/29/10	18:14	
61589-16	Ca	341183.31250	340755.40625	341611.18750	0.17736	ug/L	09/29/10	18:14	
61589-16	Cd	2.75823	2.83325	2.68321	3.84656	ug/L	09/29/10	18:14	
61589-16	Co	93.06809	93.27069	92.86550	0.30785	ug/L	09/29/10	18:14	
61589-16	Cr	231.22125	231.03492	231.40759	0.11396	ug/L	09/29/10	18:14	
61589-16	Cu	133.83331	134.27702	133.38961	0.46885	ug/L	09/29/10	18:14	
61589-16	Fe	327779.81250	327415.40625	328144.25000	0.15723	ug/L	09/29/10	18:14	
61589-16	2Fe	327.70947	327.33645	328.08251	0.16097	mg/L	09/29/10	18:14	
61589-16	K	53453.75000	53287.47656	53620.02343	0.43990	ug/L	09/29/10	18:14	
61589-16	Mg	44694.52343	44680.39843	44708.64453	0.04468	ug/L	09/29/10	18:14	
61589-16	2Mg	44.62936	44.61399	44.64472	0.04868	mg/L	09/29/10	18:14	
61589-16	Mn	19619.58203	19604.13867	19635.02539	0.11131	ug/L	09/29/10	18:14	
61589-16	Mo	11.24681	10.66453	11.82910	7.32182	ug/L	09/29/10	18:14	
61589-16	Na	2499.00268	2680.52734	2317.47802	10.27268	ug/L	09/29/10	18:14	
61589-16	Ni	287.77947	288.10757	287.45135	0.16124	ug/L	09/29/10	18:14	
61589-16	Pb	284.27896	283.11846	285.43945	0.57731	ug/L	09/29/10	18:14	
61589-16	Se	12.32120	13.90814	10.73427	18.21467	ug/L	09/29/10	18:14	
61589-16	Sb	3.63277	5.50505	1.76049	72.88663	ug/L	09/29/10	18:14	
61589-16	Sn	17.01236	16.51917	17.50554	4.09978	ug/L	09/29/10	18:14	
61589-16	Sr	1900.94360	1897.46374	1904.42346	0.25888	ug/L	09/29/10	18:14	
61589-16	Ti	748.87713	747.35986	750.39440	0.28652	ug/L	09/29/10	18:14	
61589-16	Tl	10.24125	11.76527	8.71723	21.04515	ug/L	09/29/10	18:14	
61589-16	V	284.43823	284.02029	284.85620	0.20780	ug/L	09/29/10	18:14	
61589-16	Zn	728.37719	728.57012	728.18420	0.03746	ug/L	09/29/10	18:14	
61589-16	2203/1	303.55773	304.98999	302.12548	0.66725	ug/L	09/29/10	18:14	
61589-16	2203/2	274.65402	272.19909	277.10894	1.26405	ug/L	09/29/10	18:14	
61589-16	1960/1	13.77781	16.81673	10.73889	31.19278	ug/L	09/29/10	18:14	
61589-16	1960/2	11.59399	12.45603	10.73196	10.51491	ug/L	09/29/10	18:14	
61589-16	Y	1265.71728	1263.82080	1267.61364	0.21189		09/29/10	18:14	
61589-17	Ag	1.23495	1.42841	1.04148	22.15489	ug/L	09/29/10	18:19	
61589-17	Al	231822.51562	232004.87500	231640.15625	0.11124	ug/L	09/29/10	18:19	
61589-17	2Al	231.81864	231.99363	231.64366	0.10675	mg/L	09/29/10	18:19	
61589-17	As	75.69488	76.38316	75.00661	1.28590	ug/L	09/29/10	18:19	
61589-17	B	233.34963	234.33494	232.36431	0.59714	ug/L	09/29/10	18:19	
61589-17	Ba	1244.28515	1244.73742	1243.83276	0.05141	ug/L	09/29/10	18:19	
61589-17	Be	17.23934	17.26039	17.21830	0.17263	ug/L	09/29/10	18:19	
61589-17	Ca	330127.00000	330240.15625	330013.81250	0.04848	ug/L	09/29/10	18:19	
61589-17	Cd	2.55696	2.32570	2.78821	12.79050	ug/L	09/29/10	18:19	
61589-17	Co	92.06011	91.95441	92.16580	0.16237	ug/L	09/29/10	18:19	
61589-17	Cr	226.64810	226.52835	226.76785	0.07472	ug/L	09/29/10	18:19	
61589-17	Cu	138.24461	137.99090	138.49832	0.25953	ug/L	09/29/10	18:19	
61589-17	Fe	322554.68750	322610.18750	322499.21875	0.02432	ug/L	09/29/10	18:19	
61589-17	2Fe	322.49291	322.53790	322.44790	0.01973	mg/L	09/29/10	18:19	
61589-17	K	48902.73437	49071.61328	48733.85546	0.48837	ug/L	09/29/10	18:19	
61589-17	Mg	42428.92968	42431.77343	42426.08593	0.00947	ug/L	09/29/10	18:19	
61589-17	2Mg	42.36700	42.36856	42.36545	0.00518	mg/L	09/29/10	18:19	
61589-17	Mn	17578.91406	17601.31445	17556.51171	0.18021	ug/L	09/29/10	18:19	
61589-17	Mo	11.68550	12.26780	11.10320	7.04713	ug/L	09/29/10	18:19	
61589-17	Na	2076.41674	2068.19995	2084.63354	0.55963	ug/L	09/29/10	18:19	
61589-17	Ni	282.63439	283.48083	281.78796	0.42352	ug/L	09/29/10	18:19	
61589-17	Pb	290.54251	292.56130	288.52371	0.98264	ug/L	09/29/10	18:19	
61589-17	Se	7.17127	5.13640	9.20614	40.12872	ug/L	09/29/10	18:19	
61589-17	Sb	1.73594	2.78080	0.69107	85.12152	ug/L	09/29/10	18:19	
61589-17	Sn	14.90569	14.62642	15.18495	2.64959	ug/L	09/29/10	18:19	
61589-17	Sr	1775.80249	1776.51354	1775.09143	0.05662	ug/L	09/29/10	18:19	
61589-17	Ti	681.04797	681.55419	680.54168	0.10512	ug/L	09/29/10	18:19	
61589-17	Tl	12.38875	10.89678	13.88071	17.03128	ug/L	09/29/10	18:19	
61589-17	V	276.16241	275.71011	276.61471	0.23162	ug/L	09/29/10	18:19	
61589-17	Zn	617.06274	616.47357	617.65185	0.13502	ug/L	09/29/10	18:19	
61589-17	2203/1	307.02099	307.23696	306.80505	0.09947	ug/L	09/29/10	18:19	
61589-17	2203/2	282.31561	285.23446	279.39672	1.46215	ug/L	09/29/10	18:19	
61589-17	1960/1	11.63667	12.56942	10.70393	11.33572	ug/L	09/29/10	18:19	
61589-17	1960/2	4.94192	1.42546	8.45837	100.62917	ug/L	09/29/10	18:19	
61589-17	Y	1273.09155	1274.53039	1271.65283	0.15982		09/29/10	18:19	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-18	Ag	1.37348	1.08078	1.66618	30.13837	ug/L	09/29/10	18:24	
61589-18	Al	259761.85937	259906.84375	259616.87500	0.07893	ug/L	09/29/10	18:24	
61589-18	2Al	259.75308	259.89221	259.61395	0.07574	mg/L	09/29/10	18:24	
61589-18	As	71.62083	72.97487	70.26679	2.67366	ug/L	09/29/10	18:24	
61589-18	B	265.95440	266.01470	265.89410	0.03206	ug/L	09/29/10	18:24	
61589-18	Ba	1393.27185	1394.44531	1392.09838	0.11910	ug/L	09/29/10	18:24	
61589-18	Be	19.21948	19.23823	19.20073	0.13799	ug/L	09/29/10	18:24	
61589-18	Ca	338044.68750	338117.62500	337971.71875	0.03052	ug/L	09/29/10	18:24	
61589-18	Cd	2.44941	2.43863	2.46019	0.62242	ug/L	09/29/10	18:24	
61589-18	Co	99.88990	100.05157	99.72824	0.22887	ug/L	09/29/10	18:24	
61589-18	Cr	253.07324	253.12817	253.01829	0.03070	ug/L	09/29/10	18:24	
61589-18	Cu	132.99163	132.96311	133.02015	0.03032	ug/L	09/29/10	18:24	
61589-18	Fe	341876.75000	341963.03125	341790.50000	0.03568	ug/L	09/29/10	18:24	
61589-18	2Fe	341.80572	341.88430	341.72711	0.03251	mg/L	09/29/10	18:24	
61589-18	K	55544.17968	55690.32031	55398.03906	0.37208	ug/L	09/29/10	18:24	
61589-18	Mg	46132.90234	46106.68750	46159.11718	0.08036	ug/L	09/29/10	18:24	
61589-18	2Mg	46.06604	46.03983	46.09225	0.08046	mg/L	09/29/10	18:24	
61589-18	Mn	19357.03515	19370.46875	19343.60156	0.09814	ug/L	09/29/10	18:24	
61589-18	Mo	9.53331	9.17701	9.88961	5.28555	ug/L	09/29/10	18:24	
61589-18	Na	2585.97460	2660.39526	2511.55419	4.06989	ug/L	09/29/10	18:24	
61589-18	Ni	313.62731	314.47869	312.77593	0.38390	ug/L	09/29/10	18:24	
61589-18	Pb	298.25622	299.53320	296.97921	0.60549	ug/L	09/29/10	18:24	
61589-18	Se	10.48213	8.42396	12.54030	27.76812	ug/L	09/29/10	18:24	
61589-18	Sb	5.57739	3.78436	7.37042	45.46438	ug/L	09/29/10	18:24	
61589-18	Sn	17.88926	17.30846	18.47006	4.59146	ug/L	09/29/10	18:24	
61589-18	Sr	1947.42407	1949.52026	1945.32788	0.15222	ug/L	09/29/10	18:24	
61589-18	Ti	863.48327	864.67535	862.29113	0.19524	ug/L	09/29/10	18:24	
61589-18	Tl	8.11894	5.83583	10.40206	39.76880	ug/L	09/29/10	18:24	
61589-18	V	307.97225	307.77529	308.16921	0.09044	ug/L	09/29/10	18:24	
61589-18	Zn	666.60980	666.63897	666.58062	0.00618	ug/L	09/29/10	18:24	
61589-18	2203/1	319.66650	321.12896	318.20407	0.64699	ug/L	09/29/10	18:24	
61589-18	2203/2	287.56707	288.75149	286.38269	0.58247	ug/L	09/29/10	18:24	
61589-18	1960/1	12.73357	11.51289	13.95425	13.55706	ug/L	09/29/10	18:24	
61589-18	1960/2	9.35810	6.88181	11.83439	37.42211	ug/L	09/29/10	18:24	
61589-18	Y	1267.64880	1269.09204	1266.20556	0.16101		09/29/10	18:24	
61589-19	Ag	0.79875	1.63241	-0.03489	147.60014	ug/L	09/29/10	18:29	
61589-19	Al	279813.56250	280031.46875	279595.65625	0.11013	ug/L	09/29/10	18:29	
61589-19	2Al	279.81204	280.03295	279.59112	0.11165	mg/L	09/29/10	18:29	
61589-19	As	63.33003	62.94262	63.71744	0.86512	ug/L	09/29/10	18:29	
61589-19	B	141.07827	141.16989	140.98667	0.09182	ug/L	09/29/10	18:29	
61589-19	Ba	2605.97436	2608.13208	2603.81665	0.11709	ug/L	09/29/10	18:29	
61589-19	Be	19.69836	19.75607	19.64065	0.41431	ug/L	09/29/10	18:29	
61589-19	Ca	116303.67968	116580.35156	116027.00781	0.33642	ug/L	09/29/10	18:29	
61589-19	Cd	2.71953	2.75596	2.68309	1.89478	ug/L	09/29/10	18:29	
61589-19	Co	99.34196	99.54465	99.13927	0.28854	ug/L	09/29/10	18:29	
61589-19	Cr	215.26437	216.35113	214.17761	0.71396	ug/L	09/29/10	18:29	
61589-19	Cu	166.62654	166.88911	166.36396	0.22285	ug/L	09/29/10	18:29	
61589-19	Fe	352883.12500	353546.34375	352219.90625	0.26579	ug/L	09/29/10	18:29	
61589-19	2Fe	352.81881	353.48574	352.15188	0.26732	mg/L	09/29/10	18:29	
61589-19	K	32480.62109	32775.07421	32186.16601	1.28205	ug/L	09/29/10	18:29	
61589-19	Mg	27346.05664	27394.33398	27297.77929	0.24966	ug/L	09/29/10	18:29	
61589-19	2Mg	27.28274	27.33090	27.23458	0.24963	mg/L	09/29/10	18:29	
61589-19	Mn	14073.20117	14099.91308	14046.48828	0.26843	ug/L	09/29/10	18:29	
61589-19	Mo	12.96772	13.23782	12.69762	2.94561	ug/L	09/29/10	18:29	
61589-19	Na	1032.83459	1197.54113	868.12805	22.55252	ug/L	09/29/10	18:29	
61589-19	Ni	246.88510	247.04096	246.72924	0.08928	ug/L	09/29/10	18:29	
61589-19	Pb	418.68676	420.78173	416.59176	0.70763	ug/L	09/29/10	18:29	
61589-19	Se	8.80897	9.21212	8.40583	6.47221	ug/L	09/29/10	18:29	
61589-19	Sb	15.96638	17.55410	14.37866	14.06312	ug/L	09/29/10	18:29	
61589-19	Sn	19.63845	20.90151	18.37538	9.09561	ug/L	09/29/10	18:29	
61589-19	Sr	2871.67919	2876.58251	2866.77563	0.24147	ug/L	09/29/10	18:29	
61589-19	Ti	1260.97351	1262.30712	1259.63989	0.14956	ug/L	09/29/10	18:29	
61589-19	Tl	4.83728	1.35772	8.31685	101.72744	ug/L	09/29/10	18:29	
61589-19	V	355.59606	356.65914	354.53298	0.42278	ug/L	09/29/10	18:29	
61589-19	Zn	702.38745	703.19262	701.58227	0.16211	ug/L	09/29/10	18:29	
61589-19	2203/1	436.41253	444.17779	428.64724	2.51637	ug/L	09/29/10	18:29	
61589-19	2203/2	409.83715	409.10125	410.57305	0.25393	ug/L	09/29/10	18:29	
61589-19	1960/1	9.84619	13.74455	5.94782	55.99247	ug/L	09/29/10	18:29	
61589-19	1960/2	8.29114	6.94930	9.63299	22.88771	ug/L	09/29/10	18:29	
61589-19	Y	1391.28442	1383.56237	1399.00634	0.78492		09/29/10	18:29	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-20	Ag	2.73349	3.68742	1.77957	49.35258	ug/L	09/29/10	18:35	
61589-20	Al	200788.40625	201242.37500	200334.43750	0.31974	ug/L	09/29/10	18:35	
61589-20	2Al	200.78073	201.23815	200.32330	0.32219	mg/L	09/29/10	18:35	
61589-20	As	111.95124	112.83467	111.06781	1.11598	ug/L	09/29/10	18:35	
61589-20	B	126.96400	127.32592	126.60209	0.40312	ug/L	09/29/10	18:35	
61589-20	Ba	2996.19555	3003.96875	2988.42236	0.36689	ug/L	09/29/10	18:35	
61589-20	Be	17.49989	17.60523	17.39456	0.85125	ug/L	09/29/10	18:35	
61589-20	Ca	49532.71093	49716.48828	49348.93359	0.52470	ug/L	09/29/10	18:35	
61589-20	Cd	4.13133	4.24191	4.02076	3.78509	ug/L	09/29/10	18:35	
61589-20	Co	149.28550	149.59448	148.97653	0.29269	ug/L	09/29/10	18:35	
61589-20	Cr	259.63696	261.04681	258.22714	0.76792	ug/L	09/29/10	18:35	
61589-20	Cu	559.97998	561.82696	558.13293	0.46645	ug/L	09/29/10	18:35	
61589-20	Fe	386167.12500	387364.93750	384969.28125	0.43866	ug/L	09/29/10	18:35	
61589-20	2Fe	386.08474	387.28909	384.88040	0.44114	mg/L	09/29/10	18:35	
61589-20	K	19871.54882	19965.18554	19777.91210	0.66639	ug/L	09/29/10	18:35	
61589-20	Mg	16120.14160	16162.06933	16078.21386	0.36783	ug/L	09/29/10	18:35	
61589-20	2Mg	16.05405	16.09578	16.01232	0.36756	mg/L	09/29/10	18:35	
61589-20	Mn	13877.27343	13922.67382	13831.87304	0.46266	ug/L	09/29/10	18:35	
61589-20	Mo	10.11464	13.26153	6.96776	43.99921	ug/L	09/29/10	18:35	
61589-20	Na	742.55944	758.33746	726.78137	3.00494	ug/L	09/29/10	18:35	
61589-20	Ni	210.39111	211.77404	209.00817	0.92958	ug/L	09/29/10	18:35	
61589-20	Pb	1433.40112	1430.54663	1436.25561	0.28162	ug/L	09/29/10	18:35	
61589-20	Se	15.95648	18.99985	12.91311	26.97321	ug/L	09/29/10	18:35	
61589-20	Sb	29.12200	30.39091	27.85309	6.16203	ug/L	09/29/10	18:35	
61589-20	Sn	102.30524	106.38774	98.22274	5.64343	ug/L	09/29/10	18:35	
61589-20	Sr	1726.69970	1733.20703	1720.19250	0.53296	ug/L	09/29/10	18:35	
61589-20	Ti	2536.92626	2541.92529	2531.92749	0.27866	ug/L	09/29/10	18:35	
61589-20	Tl	18.01051	20.25541	15.76561	17.62730	ug/L	09/29/10	18:35	
61589-20	V	386.45025	388.98812	383.91241	0.92872	ug/L	09/29/10	18:35	
61589-20	Zn	798.27380	801.27899	795.26867	0.53239	ug/L	09/29/10	18:35	
61589-20	2203/1	1452.33056	1461.79846	1442.86279	0.92193	ug/L	09/29/10	18:35	
61589-20	2203/2	1423.95043	1414.94409	1432.95690	0.89448	ug/L	09/29/10	18:35	
61589-20	1960/1	20.47932	29.30239	11.65624	60.92834	ug/L	09/29/10	18:35	
61589-20	1960/2	13.69845	13.85631	13.54060	1.62965	ug/L	09/29/10	18:35	
61589-20	Y	1270.05566	1269.03039	1271.08081	0.11415		09/29/10	18:35	
61589-20L	Ag	0.73912	0.32384	1.15440	79.45861	ug/L	09/29/10	18:40	
61589-20L	Al	44508.49218	45167.94140	43849.04687	2.09532	ug/L	09/29/10	18:40	
61589-20L	2Al	44.50787	45.16745	43.84828	2.09579	mg/L	09/29/10	18:40	
61589-20L	As	23.62049	21.75584	25.48514	11.16408	ug/L	09/29/10	18:40	
61589-20L	B	30.33608	30.79336	29.87879	2.13177	ug/L	09/29/10	18:40	
61589-20L	Ba	670.07330	680.38653	659.76007	2.17664	ug/L	09/29/10	18:40	
61589-20L	Be	3.94869	4.03286	3.86452	3.01435	ug/L	09/29/10	18:40	
61589-20L	Ca	11250.06835	11421.43554	11078.70019	2.15421	ug/L	09/29/10	18:40	
61589-20L	Cd	0.72606	0.73639	0.71574	2.01147	ug/L	09/29/10	18:40	
61589-20L	Co	33.96076	34.34509	33.57644	1.60042	ug/L	09/29/10	18:40	
61589-20L	Cr	59.28094	60.10382	58.45805	1.96309	ug/L	09/29/10	18:40	
61589-20L	Cu	121.22264	122.71710	119.72818	1.74347	ug/L	09/29/10	18:40	
61589-20L	Fe	88306.49218	89749.82812	86863.15625	2.31147	ug/L	09/29/10	18:40	
61589-20L	2Fe	88.28993	89.73309	86.84676	2.31163	mg/L	09/29/10	18:40	
61589-20L	K	4155.44287	4203.26513	4107.62060	1.62752	ug/L	09/29/10	18:40	
61589-20L	Mg	3679.79882	3730.37426	3629.22338	1.94370	ug/L	09/29/10	18:40	
61589-20L	2Mg	3.66470	3.71503	3.61437	1.94227	mg/L	09/29/10	18:40	
61589-20L	Mn	3209.58837	3260.65185	3158.52490	2.24996	ug/L	09/29/10	18:40	
61589-20L	Mo	1.78703	1.43016	2.14390	28.24188	ug/L	09/29/10	18:40	
61589-20L	Na	7.95644	68.92557	-53.01268	1083.69177	ug/L	09/29/10	18:40	
61589-20L	Ni	46.93996	47.52999	46.34992	1.77765	ug/L	09/29/10	18:40	
61589-20L	Pb	330.41088	333.42877	327.39303	1.29169	ug/L	09/29/10	18:40	
61589-20L	Se	5.19972	6.84086	3.55858	44.63544	ug/L	09/29/10	18:40	
61589-20L	Sb	4.86449	4.15273	5.57625	20.69240	ug/L	09/29/10	18:40	
61589-20L	Sn	19.80935	21.60786	18.01085	12.83975	ug/L	09/29/10	18:40	
61589-20L	Sr	391.73443	398.43933	385.02954	2.42055	ug/L	09/29/10	18:40	
61589-20L	Ti	573.18811	582.50311	563.87316	2.29826	ug/L	09/29/10	18:40	
61589-20L	Tl	2.48449	-0.78544	5.75443	186.13008	ug/L	09/29/10	18:40	
61589-20L	V	87.67111	89.31313	86.02909	2.64872	ug/L	09/29/10	18:40	
61589-20L	Zn	182.04357	185.00059	179.08657	2.29716	ug/L	09/29/10	18:40	
61589-20L	2203/1	331.25494	335.50167	327.00820	1.81304	ug/L	09/29/10	18:40	
61589-20L	2203/2	329.98950	332.39385	327.58517	1.03041	ug/L	09/29/10	18:40	
61589-20L	1960/1	7.95496	12.07444	3.83548	73.23512	ug/L	09/29/10	18:40	
61589-20L	1960/2	3.82417	4.22799	3.42034	14.93381	ug/L	09/29/10	18:40	
61589-20L	Y	1128.63085	1131.68005	1125.58154	0.38208		09/29/10	18:40	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-20A	Ag	37.68950	37.63558	37.74342	0.20231	ug/L	09/29/10	18:45	
61589-20A	Al	199570.75000	199508.43750	199633.04687	0.04415	ug/L	09/29/10	18:45	
61589-20A	2Al	199.56579	199.50643	199.62513	0.04205	mg/L	09/29/10	18:45	
61589-20A	As	1767.91943	1764.98217	1770.85668	0.23496	ug/L	09/29/10	18:45	
61589-20A	B	1014.02795	1012.63928	1015.41668	0.19367	ug/L	09/29/10	18:45	
61589-20A	Ba	4673.75878	4673.69580	4673.82226	0.00191	ug/L	09/29/10	18:45	
61589-20A	Be	59.69894	59.73397	59.66391	0.08298	ug/L	09/29/10	18:45	
61589-20A	Ca	52764.02343	52761.20312	52766.83984	0.00755	ug/L	09/29/10	18:45	
61589-20A	Cd	46.34001	46.27512	46.40491	0.19803	ug/L	09/29/10	18:45	
61589-20A	Co	570.87170	570.51251	571.23089	0.08898	ug/L	09/29/10	18:45	
61589-20A	Cr	423.77252	424.97018	422.57482	0.39968	ug/L	09/29/10	18:45	
61589-20A	Cu	770.21093	769.77325	770.64868	0.08037	ug/L	09/29/10	18:45	
61589-20A	Fe	377340.78125	377400.96875	377280.59375	0.02255	ug/L	09/29/10	18:45	
61589-20A	2Fe	377.26565	377.33114	377.20016	0.02454	mg/L	09/29/10	18:45	
61589-20A	K	24435.81250	24538.69726	24332.92773	0.59544	ug/L	09/29/10	18:45	
61589-20A	Mg	20210.00000	20224.26171	20195.74023	0.09979	ug/L	09/29/10	18:45	
61589-20A	2Mg	20.14435	20.15859	20.13010	0.10001	mg/L	09/29/10	18:45	
61589-20A	Mn	13966.49023	13967.63476	13965.34667	0.01158	ug/L	09/29/10	18:45	
61589-20A	Mo	448.31591	447.56707	449.06472	0.23621	ug/L	09/29/10	18:45	
61589-20A	Na	5075.41601	5198.64794	4952.18457	3.43372	ug/L	09/29/10	18:45	
61589-20A	Ni	622.42144	623.01989	621.82299	0.13597	ug/L	09/29/10	18:45	
61589-20A	Pb	1814.53405	1820.03137	1809.03674	0.42845	ug/L	09/29/10	18:45	
61589-20A	Se	1708.52392	1714.74890	1702.29895	0.51526	ug/L	09/29/10	18:45	
61589-20A	Sb	438.15417	438.84384	437.46453	0.22259	ug/L	09/29/10	18:45	
61589-20A	Sn	996.86322	998.66748	995.05895	0.25596	ug/L	09/29/10	18:45	
61589-20A	Sr	2156.74560	2158.12329	2155.36791	0.09033	ug/L	09/29/10	18:45	
61589-20A	Ti	3370.53173	3369.42749	3371.63598	0.04633	ug/L	09/29/10	18:45	
61589-20A	Tl	1749.22583	1748.78906	1749.66259	0.03531	ug/L	09/29/10	18:45	
61589-20A	V	793.75036	795.00939	792.49133	0.22432	ug/L	09/29/10	18:45	
61589-20A	Zn	1199.47363	1200.28369	1198.66369	0.09550	ug/L	09/29/10	18:45	
61589-20A	2203/1	1831.63940	1827.42468	1835.85400	0.32541	ug/L	09/29/10	18:45	
61589-20A	2203/2	1805.99414	1816.34020	1795.64819	0.81016	ug/L	09/29/10	18:45	
61589-20A	1960/1	1705.07690	1709.20776	1700.94616	0.34261	ug/L	09/29/10	18:45	
61589-20A	1960/2	1710.24487	1717.51538	1702.97436	0.60120	ug/L	09/29/10	18:45	
61589-20A	Y	1258.33837	1258.83996	1257.83679	0.05637		09/29/10	18:45	
61589-20S	Ag	45.80673	45.65178	45.96170	0.47841	ug/L	09/29/10	18:50	
61589-20S	Al	213466.35937	213453.71875	213479.00000	0.00837	ug/L	09/29/10	18:50	
61589-20S	2Al	213.46508	213.45819	213.47200	0.00457	mg/L	09/29/10	18:50	
61589-20S	As	1821.54528	1822.63513	1820.45544	0.08461	ug/L	09/29/10	18:50	
61589-20S	B	980.03216	979.12048	980.94384	0.13155	ug/L	09/29/10	18:50	
61589-20S	Ba	4741.72460	4742.80566	4740.64306	0.03224	ug/L	09/29/10	18:50	
61589-20S	Be	60.62423	60.58655	60.66192	0.08790	ug/L	09/29/10	18:50	
61589-20S	Ca	58243.70703	58163.67187	58323.74218	0.19433	ug/L	09/29/10	18:50	
61589-20S	Cd	47.73882	47.62797	47.84967	0.32837	ug/L	09/29/10	18:50	
61589-20S	Co	606.15808	604.12438	608.19183	0.47448	ug/L	09/29/10	18:50	
61589-20S	Cr	395.24392	394.12347	396.36437	0.40090	ug/L	09/29/10	18:50	
61589-20S	Cu	802.40014	802.96411	801.83612	0.09940	ug/L	09/29/10	18:50	
61589-20S	Fe	349479.68750	349029.21875	349930.18750	0.18229	ug/L	09/29/10	18:50	
61589-20S	2Fe	349.41674	348.97552	349.85797	0.17857	mg/L	09/29/10	18:50	
61589-20S	K	26510.43750	26501.76757	26519.10742	0.04625	ug/L	09/29/10	18:50	
61589-20S	Mg	22251.81250	22200.87890	22302.74804	0.32371	ug/L	09/29/10	18:50	
61589-20S	2Mg	22.19083	22.13998	22.24168	0.32407	mg/L	09/29/10	18:50	
61589-20S	Mn	14739.53515	14718.73632	14760.33300	0.19955	ug/L	09/29/10	18:50	
61589-20S	Mo	443.88146	445.56594	442.19702	0.53667	ug/L	09/29/10	18:50	
61589-20S	Na	4871.41210	4910.31884	4832.50488	1.12950	ug/L	09/29/10	18:50	
61589-20S	Ni	653.99121	652.58264	655.39984	0.30460	ug/L	09/29/10	18:50	
61589-20S	Pb	1782.21166	1777.38281	1787.04052	0.38317	ug/L	09/29/10	18:50	
61589-20S	Se	1762.65283	1761.27331	1764.03247	0.11068	ug/L	09/29/10	18:50	
61589-20S	Sb	364.71575	364.34259	365.08892	0.14469	ug/L	09/29/10	18:50	
61589-20S	Sn	977.31298	976.01831	978.60766	0.18734	ug/L	09/29/10	18:50	
61589-20S	Sr	2118.65698	2116.60131	2120.71264	0.13721	ug/L	09/29/10	18:50	
61589-20S	Ti	3066.62719	3064.57226	3068.68212	0.09476	ug/L	09/29/10	18:50	
61589-20S	Tl	1784.98339	1789.95153	1780.01538	0.39361	ug/L	09/29/10	18:50	
61589-20S	V	797.21697	796.57604	797.85791	0.11369	ug/L	09/29/10	18:50	
61589-20S	Zn	1238.33251	1236.33508	1240.32983	0.22810	ug/L	09/29/10	18:50	
61589-20S	2203/1	1795.29565	1785.67443	1804.91687	0.75789	ug/L	09/29/10	18:50	
61589-20S	2203/2	1775.67944	1773.24328	1778.11572	0.19402	ug/L	09/29/10	18:50	
61589-20S	1960/1	1756.65795	1747.12829	1766.18774	0.76719	ug/L	09/29/10	18:50	
61589-20S	1960/2	1765.64587	1768.33520	1762.95654	0.21540	ug/L	09/29/10	18:50	
61589-20S	Y	1254.63354	1258.40881	1250.85839	0.42553		09/29/10	18:50	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-20SD	Ag	50.07202	49.85889	50.28514	0.60194	ug/L	09/29/10	18:55	
61589-20SD	Al	233098.93750	233118.03125	233079.84375	0.01158	ug/L	09/29/10	18:55	
61589-20SD	2Al	233.09934	233.12359	233.07510	0.01471	mg/L	09/29/10	18:55	
61589-20SD	As	1934.05664	1934.05590	1934.05749	0.00005	ug/L	09/29/10	18:55	
61589-20SD	B	1036.24365	1033.92163	1038.56555	0.31688	ug/L	09/29/10	18:55	
61589-20SD	Ba	4700.49267	4702.80419	4698.18115	0.06954	ug/L	09/29/10	18:55	
61589-20SD	Be	64.09120	64.17430	64.00811	0.18335	ug/L	09/29/10	18:55	
61589-20SD	Ca	50709.72656	50739.93359	50679.52343	0.08423	ug/L	09/29/10	18:55	
61589-20SD	Cd	51.16660	51.14345	51.18974	0.06396	ug/L	09/29/10	18:55	
61589-20SD	Co	611.76086	613.77740	609.74438	0.46615	ug/L	09/29/10	18:55	
61589-20SD	Cr	421.15481	421.72149	420.58813	0.19028	ug/L	09/29/10	18:55	
61589-20SD	Cu	779.37182	778.93798	779.80560	0.07871	ug/L	09/29/10	18:55	
61589-20SD	Fe	344887.37500	345020.12500	344754.65625	0.05442	ug/L	09/29/10	18:55	
61589-20SD	2Fe	344.82794	344.96792	344.68795	0.05741	mg/L	09/29/10	18:55	
61589-20SD	K	28807.20703	28881.81640	28732.59960	0.36627	ug/L	09/29/10	18:55	
61589-20SD	Mg	21652.49414	21654.97460	21650.01367	0.01620	ug/L	09/29/10	18:55	
61589-20SD	2Mg	21.59119	21.59365	21.58873	0.01610	mg/L	09/29/10	18:55	
61589-20SD	Mn	11899.70703	11908.07812	11891.33691	0.09947	ug/L	09/29/10	18:55	
61589-20SD	Mo	476.73815	478.81320	474.66311	0.61554	ug/L	09/29/10	18:55	
61589-20SD	Na	5522.26318	5496.71289	5547.81347	0.65432	ug/L	09/29/10	18:55	
61589-20SD	Ni	685.54907	687.02685	684.07135	0.30484	ug/L	09/29/10	18:55	
61589-20SD	Pb	2010.16992	2014.82739	2005.51245	0.32766	ug/L	09/29/10	18:55	
61589-20SD	Se	1888.11645	1894.76086	1881.47192	0.49767	ug/L	09/29/10	18:55	
61589-20SD	Sb	406.75018	404.93157	408.56875	0.63229	ug/L	09/29/10	18:55	
61589-20SD	Sn	1039.33703	1039.00012	1039.67395	0.04584	ug/L	09/29/10	18:55	
61589-20SD	Sr	2100.67919	2102.91625	2098.44238	0.15059	ug/L	09/29/10	18:55	
61589-20SD	Ti	3228.60205	3229.89575	3227.30834	0.05666	ug/L	09/29/10	18:55	
61589-20SD	Tl	1920.32763	1910.34411	1930.31103	0.73522	ug/L	09/29/10	18:55	
61589-20SD	V	836.05615	836.71600	835.39636	0.11161	ug/L	09/29/10	18:55	
61589-20SD	Zn	1274.56103	1275.00585	1274.11608	0.04936	ug/L	09/29/10	18:55	
61589-20SD	2203/1	2020.61010	2023.43945	2017.78088	0.19802	ug/L	09/29/10	18:55	
61589-20SD	2203/2	2004.95751	2010.52770	1999.38745	0.39289	ug/L	09/29/10	18:55	
61589-20SD	1960/1	1871.75109	1875.59045	1867.91174	0.29008	ug/L	09/29/10	18:55	
61589-20SD	1960/2	1896.28674	1904.33166	1888.24182	0.59997	ug/L	09/29/10	18:55	
61589-20SD	Y	1251.72082	1251.12243	1252.31921	0.06760		09/29/10	18:55	
CCV	Ag	509.16091	509.64260	508.67922	0.13379	ug/L	09/29/10	19:01	
CCV	Al	4981.27539	4946.17382	5016.37744	0.99656	ug/L	09/29/10	19:01	
CCV	2Al	4.98127	4.94616	5.01637	0.99661	mg/L	09/29/10	19:01	
CCV	As	509.90606	510.31707	509.49502	0.11399	ug/L	09/29/10	19:01	
CCV	B	5116.37695	5106.64453	5126.10937	0.26901	ug/L	09/29/10	19:01	
CCV	Ba	5122.50927	5120.45117	5124.56738	0.05681	ug/L	09/29/10	19:01	
CCV	Be	517.62683	517.47167	517.78204	0.04239	ug/L	09/29/10	19:01	
CCV	Ca	5090.96728	5081.62988	5100.30468	0.25938	ug/L	09/29/10	19:01	
CCV	Cd	518.01470	518.43707	517.59234	0.11530	ug/L	09/29/10	19:01	
CCV	Co	513.14599	513.76623	512.52581	0.17092	ug/L	09/29/10	19:01	
CCV	Cr	5159.02050	5161.87597	5156.16552	0.07826	ug/L	09/29/10	19:01	
CCV	Cu	5067.49707	5067.53222	5067.46142	0.00098	ug/L	09/29/10	19:01	
CCV	Fe	5078.09375	5029.48095	5126.70703	1.35383	ug/L	09/29/10	19:01	
CCV	2Fe	5.07809	5.02948	5.12670	1.35366	mg/L	09/29/10	19:01	
CCV	K	10082.13281	10080.28515	10083.98144	0.02592	ug/L	09/29/10	19:01	
CCV	Mg	5092.41699	5089.16357	5095.67041	0.09035	ug/L	09/29/10	19:01	
CCV	2Mg	5.09247	5.08923	5.09571	0.09003	mg/L	09/29/10	19:01	
CCV	Mn	5214.58544	5217.61279	5211.55810	0.08210	ug/L	09/29/10	19:01	
CCV	Mo	519.44213	519.88739	518.99688	0.12122	ug/L	09/29/10	19:01	
CCV	Na	7646.05859	7635.82470	7656.29296	0.18929	ug/L	09/29/10	19:01	
CCV	Ni	2563.55859	2562.99169	2564.12548	0.03127	ug/L	09/29/10	19:01	
CCV	Pb	516.24914	517.22613	515.27209	0.26764	ug/L	09/29/10	19:01	
CCV	Se	5171.32714	5183.44189	5159.21289	0.33129	ug/L	09/29/10	19:01	
CCV	Sb	503.97769	505.42312	502.53225	0.40560	ug/L	09/29/10	19:01	
CCV	Sn	5147.15820	5159.09130	5135.22509	0.32786	ug/L	09/29/10	19:01	
CCV	Sr	2601.09960	2600.22314	2601.97583	0.04764	ug/L	09/29/10	19:01	
CCV	Ti	512.25109	512.00628	512.49597	0.06759	ug/L	09/29/10	19:01	
CCV	Tl	5172.33203	5174.13818	5170.52539	0.04939	ug/L	09/29/10	19:01	
CCV	V	5086.85546	5081.13427	5092.57617	0.15904	ug/L	09/29/10	19:01	
CCV	Zn	2578.65185	2580.83007	2576.47363	0.11946	ug/L	09/29/10	19:01	
CCV	2203/1	514.51031	519.16387	509.85675	1.27910	ug/L	09/29/10	19:01	
CCV	2203/2	517.11303	516.25463	517.97149	0.23476	ug/L	09/29/10	19:01	
CCV	1960/1	5142.85156	5154.94921	5130.75439	0.33266	ug/L	09/29/10	19:01	
CCV	1960/2	5185.54394	5197.66650	5173.42089	0.33061	ug/L	09/29/10	19:01	
CCV	Y	1082.20190	1081.27355	1083.13037	0.12132		09/29/10	19:01	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	1.45797	0.53180	2.38414	89.83721	ug/L	09/29/10	19:06	
CCB	Al	16.59211	3.90049	29.28373	108.17581	ug/L	09/29/10	19:06	
CCB	2Al	0.01659	0.00390	0.02928	108.17589	mg/L	09/29/10	19:06	
CCB	As	-0.51097	0.38052	-1.40246	246.73895	ug/L	09/29/10	19:06	
CCB	B	9.14697	8.41141	9.88252	11.37247	ug/L	09/29/10	19:06	
CCB	Ba	1.87777	0.47047	3.28506	105.98810	ug/L	09/29/10	19:06	
CCB	Be	0.17449	0.05466	0.29432	97.11486	ug/L	09/29/10	19:06	
CCB	Ca	1.84253	-1.90825	5.59333	287.88717	ug/L	09/29/10	19:06	
CCB	Cd	0.29062	-0.00058	0.58183	141.70484	ug/L	09/29/10	19:06	
CCB	Co	-0.30261	-0.77725	0.17203	221.82083	ug/L	09/29/10	19:06	
CCB	Cr	1.62996	0.05515	3.20476	136.63563	ug/L	09/29/10	19:06	
CCB	Cu	0.45482	-1.00093	1.91058	452.64959	ug/L	09/29/10	19:06	
CCB	Fe	25.03474	16.12467	33.94481	50.33300	ug/L	09/29/10	19:06	
CCB	2Fe	0.02503	0.01612	0.03394	50.33411	mg/L	09/29/10	19:06	
CCB	K	44.52423	27.91740	61.13107	52.74793	ug/L	09/29/10	19:06	
CCB	Mg	3.03661	-2.99971	9.07293	281.12411	ug/L	09/29/10	19:06	
CCB	2Mg	0.00303	-0.00300	0.00906	281.40963	mg/L	09/29/10	19:06	
CCB	Mn	2.06619	0.27749	3.85490	122.42841	ug/L	09/29/10	19:06	
CCB	Mo	0.84485	0.73496	0.95473	18.39372	ug/L	09/29/10	19:06	
CCB	Na	363.33807	347.03036	379.64575	6.34741	ug/L	09/29/10	19:06	
CCB	Ni	1.36686	0.63997	2.09374	75.20680	ug/L	09/29/10	19:06	
CCB	Pb	0.54572	-0.88634	1.97779	371.11093	ug/L	09/29/10	19:06	
CCB	Se	8.36507	7.19226	9.53788	19.82772	ug/L	09/29/10	19:06	
CCB	Sb	1.44490	2.14547	0.74432	68.56974	ug/L	09/29/10	19:06	
CCB	Sn	3.48835	0.31811	6.65859	128.52467	ug/L	09/29/10	19:06	
CCB	Sr	0.80544	0.06883	1.54205	129.33502	ug/L	09/29/10	19:06	
CCB	Ti	0.41733	0.09997	0.73470	107.54329	ug/L	09/29/10	19:06	
CCB	Tl	5.49219	0.76876	10.21561	121.62599	ug/L	09/29/10	19:06	
CCB	V	2.73351	1.59063	3.87638	59.12791	ug/L	09/29/10	19:06	
CCB	Zn	0.75664	-0.03395	1.54723	147.76692	ug/L	09/29/10	19:06	
CCB	2203/1	6.91241	4.19158	9.63325	55.66570	ug/L	09/29/10	19:06	
CCB	2203/2	-2.63284	-3.42149	-1.84420	42.36152	ug/L	09/29/10	19:06	
CCB	1960/1	12.81011	10.20248	15.41774	28.78777	ug/L	09/29/10	19:06	
CCB	1960/2	6.14589	5.68941	6.60236	10.50381	ug/L	09/29/10	19:06	
CCB	Y	1093.75195	1095.20397	1092.30004	0.18773		09/29/10	19:06	
PBW 181222	Ag	0.28828	0.84736	-0.27079	274.26693	ug/L	09/29/10	19:11	
PBW 181222	Al	8.29202	9.65611	6.92793	23.26469	ug/L	09/29/10	19:11	
PBW 181222	2Al	0.00829	0.00965	0.00692	23.26482	mg/L	09/29/10	19:11	
PBW 181222	As	-1.55944	-3.13085	0.01197	142.50691	ug/L	09/29/10	19:11	
PBW 181222	B	2.34738	3.21807	1.47670	52.45525	ug/L	09/29/10	19:11	
PBW 181222	Ba	0.33381	0.23611	0.43152	41.39307	ug/L	09/29/10	19:11	
PBW 181222	Be	0.02867	0.01825	0.03909	51.38711	ug/L	09/29/10	19:11	
PBW 181222	Ca	15.11834	14.54580	15.69088	5.35571	ug/L	09/29/10	19:11	
PBW 181222	Cd	0.12448	0.02662	0.22234	111.17249	ug/L	09/29/10	19:11	
PBW 181222	Co	-0.68182	-0.72220	-0.64144	8.37548	ug/L	09/29/10	19:11	
PBW 181222	Cr	0.78152	0.80096	0.76207	3.51898	ug/L	09/29/10	19:11	
PBW 181222	Cu	0.23811	0.37906	0.09717	83.71094	ug/L	09/29/10	19:11	
PBW 181222	Fe	37.41873	29.15204	45.68543	31.24337	ug/L	09/29/10	19:11	
PBW 181222	2Fe	0.03741	0.02914	0.04567	31.24370	mg/L	09/29/10	19:11	
PBW 181222	K	44.51340	22.24958	66.77721	70.73327	ug/L	09/29/10	19:11	
PBW 181222	Mg	1.49997	0.00797	2.99198	140.66920	ug/L	09/29/10	19:11	
PBW 181222	2Mg	0.00149	0.00000	0.00298	141.13505	mg/L	09/29/10	19:11	
PBW 181222	Mn	0.37798	0.37785	0.37811	0.04712	ug/L	09/29/10	19:11	
PBW 181222	Mo	0.01043	-0.06171	0.08257	978.24822	ug/L	09/29/10	19:11	
PBW 181222	Na	647.01000	409.30935	884.71069	51.95584	ug/L	09/29/10	19:11	
PBW 181222	Ni	0.38392	0.15982	0.60801	82.54779	ug/L	09/29/10	19:11	
PBW 181222	Pb	0.45406	1.18850	-0.28038	228.74897	ug/L	09/29/10	19:11	
PBW 181222	Se	3.20433	3.24423	3.16444	1.76077	ug/L	09/29/10	19:11	
PBW 181222	Sb	1.14497	2.69121	-0.40127	190.98439	ug/L	09/29/10	19:11	
PBW 181222	Sn	12.17118	9.70804	14.63432	28.62006	ug/L	09/29/10	19:11	
PBW 181222	Sr	0.00506	-0.00750	0.01763	351.13531	ug/L	09/29/10	19:11	
PBW 181222	Ti	0.13323	0.10183	0.16462	33.32885	ug/L	09/29/10	19:11	
PBW 181222	Tl	0.89634	0.92266	0.87001	4.15313	ug/L	09/29/10	19:11	
PBW 181222	V	0.83800	0.43867	1.23732	67.39072	ug/L	09/29/10	19:11	
PBW 181222	Zn	2.89807	3.08473	2.71140	9.10903	ug/L	09/29/10	19:11	
PBW 181222	2203/1	2.74537	4.01135	1.47939	65.21403	ug/L	09/29/10	19:11	
PBW 181222	2203/2	-0.68987	-0.22079	-1.15895	96.15900	ug/L	09/29/10	19:11	
PBW 181222	1960/1	2.86079	4.47314	1.24844	79.70514	ug/L	09/29/10	19:11	
PBW 181222	1960/2	3.37584	2.63069	4.12099	31.21589	ug/L	09/29/10	19:11	
PBW 181222	Y	1104.03918	1104.22399	1103.85437	0.02367		09/29/10	19:11	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	53.06705	53.30602	52.82809	0.63683	ug/L	09/29/10	19:16	
LCSW-1	Al	2005.59228	2001.77880	2009.40588	0.26890	ug/L	09/29/10	19:16	
LCSW-1	2Al	2.00568	2.00187	2.00950	0.26889	mg/L	09/29/10	19:16	
LCSW-1	As	2043.26538	2041.21435	2045.31628	0.14195	ug/L	09/29/10	19:16	
LCSW-1	B	1049.37158	1045.52062	1053.22241	0.51897	ug/L	09/29/10	19:16	
LCSW-1	Ba	2120.35742	2119.73706	2120.97778	0.04137	ug/L	09/29/10	19:16	
LCSW-1	Be	52.47017	52.36090	52.57944	0.29451	ug/L	09/29/10	19:16	
LCSW-1	Ca	5178.74902	5176.43652	5181.06103	0.06314	ug/L	09/29/10	19:16	
LCSW-1	Cd	53.13152	53.40289	52.86015	0.72231	ug/L	09/29/10	19:16	
LCSW-1	Co	527.53417	526.27136	528.79693	0.33852	ug/L	09/29/10	19:16	
LCSW-1	Cr	212.51483	212.21911	212.81056	0.19679	ug/L	09/29/10	19:16	
LCSW-1	Cu	258.63092	257.94363	259.31820	0.37581	ug/L	09/29/10	19:16	
LCSW-1	Fe	1066.31909	1073.79248	1058.84582	0.99115	ug/L	09/29/10	19:16	
LCSW-1	2Fe	1.06640	1.07387	1.05893	0.99088	mg/L	09/29/10	19:16	
LCSW-1	K	5071.14257	5073.16699	5069.11865	0.05644	ug/L	09/29/10	19:16	
LCSW-1	Mg	5178.20019	5171.60302	5184.79687	0.18016	ug/L	09/29/10	19:16	
LCSW-1	2Mg	5.17679	5.17019	5.18339	0.18021	mg/L	09/29/10	19:16	
LCSW-1	Mn	534.74920	534.40472	535.09368	0.09110	ug/L	09/29/10	19:16	
LCSW-1	Mo	526.90112	525.05633	528.74584	0.49513	ug/L	09/29/10	19:16	
LCSW-1	Na	5456.38769	5467.52294	5445.25195	0.28861	ug/L	09/29/10	19:16	
LCSW-1	Ni	524.30761	524.13494	524.48022	0.04656	ug/L	09/29/10	19:16	
LCSW-1	Pb	518.60101	518.22595	518.97607	0.10227	ug/L	09/29/10	19:16	
LCSW-1	Se	2089.24609	2089.56347	2088.92846	0.02149	ug/L	09/29/10	19:16	
LCSW-1	Sb	507.54861	507.21029	507.88693	0.09426	ug/L	09/29/10	19:16	
LCSW-1	Sn	1058.55883	1056.61352	1060.50402	0.25988	ug/L	09/29/10	19:16	
LCSW-1	Sr	543.01916	542.42907	543.60931	0.15368	ug/L	09/29/10	19:16	
LCSW-1	Ti	729.73852	729.09472	730.38232	0.12476	ug/L	09/29/10	19:16	
LCSW-1	Tl	2175.21948	2171.84350	2178.59545	0.21948	ug/L	09/29/10	19:16	
LCSW-1	V	515.84857	515.35449	516.34265	0.13545	ug/L	09/29/10	19:16	
LCSW-1	Zn	536.21789	534.80816	537.62762	0.37179	ug/L	09/29/10	19:16	
LCSW-1	2203/1	522.86889	522.85845	522.87939	0.00283	ug/L	09/29/10	19:16	
LCSW-1	2203/2	516.47021	515.91314	517.02734	0.15254	ug/L	09/29/10	19:16	
LCSW-1	1960/1	2074.93554	2071.17016	2078.70117	0.25664	ug/L	09/29/10	19:16	
LCSW-1	1960/2	2096.38964	2098.74584	2094.03369	0.15893	ug/L	09/29/10	19:16	
LCSW-1	Y	1107.60766	1106.79357	1108.42163	0.10393		09/29/10	19:16	
61507-1	Ag	2.15281	2.83336	1.47227	44.70583	ug/L	09/29/10	19:21	
61507-1	Al	41214.18750	41305.30078	41123.07421	0.31264	ug/L	09/29/10	19:21	
61507-1	2Al	41.21304	41.30533	41.12074	0.31670	mg/L	09/29/10	19:21	
61507-1	As	17.19022	15.22434	19.15611	16.17305	ug/L	09/29/10	19:21	
61507-1	B	56.35634	56.37780	56.33488	0.05385	ug/L	09/29/10	19:21	
61507-1	Ba	578.49493	579.96875	577.02111	0.36029	ug/L	09/29/10	19:21	
61507-1	Be	2.41559	2.40368	2.42750	0.69727	ug/L	09/29/10	19:21	
61507-1	Ca	136841.68750	137203.32812	136480.03125	0.37375	ug/L	09/29/10	19:21	
61507-1	Cd	2.68600	2.76654	2.60546	4.24049	ug/L	09/29/10	19:21	
61507-1	Co	8.34575	8.50184	8.18966	2.64498	ug/L	09/29/10	19:21	
61507-1	Cr	80.85413	80.79129	80.91697	0.10991	ug/L	09/29/10	19:21	
61507-1	Cu	249.07739	249.98342	248.17134	0.51443	ug/L	09/29/10	19:21	
61507-1	Fe	56477.39843	56598.51562	56356.28125	0.30328	ug/L	09/29/10	19:21	
61507-1	2Fe	56.46641	56.58914	56.34368	0.30739	mg/L	09/29/10	19:21	
61507-1	K	3979.98974	3982.21972	3977.75976	0.07923	ug/L	09/29/10	19:21	
61507-1	Mg	11972.26953	12011.95800	11932.58105	0.46881	ug/L	09/29/10	19:21	
61507-1	2Mg	11.95941	11.99906	11.91975	0.46895	mg/L	09/29/10	19:21	
61507-1	Mn	986.89733	990.13049	983.66424	0.46330	ug/L	09/29/10	19:21	
61507-1	Mo	3.52730	4.01566	3.03894	19.57982	ug/L	09/29/10	19:21	
61507-1	Na	1160.28259	1034.93127	1285.63391	15.27847	ug/L	09/29/10	19:21	
61507-1	Ni	52.69174	53.33073	52.05275	1.71501	ug/L	09/29/10	19:21	
61507-1	Pb	1321.52673	1331.05932	1311.99414	1.02011	ug/L	09/29/10	19:21	
61507-1	Se	1.06140	1.31177	0.81103	33.35897	ug/L	09/29/10	19:21	
61507-1	Sb	9.10426	10.57754	7.63097	22.88532	ug/L	09/29/10	19:21	
61507-1	Sn	385.68972	385.64190	385.73754	0.01753	ug/L	09/29/10	19:21	
61507-1	Sr	435.16394	436.45880	433.86904	0.42081	ug/L	09/29/10	19:21	
61507-1	Ti	1777.62548	1781.57849	1773.67236	0.31449	ug/L	09/29/10	19:21	
61507-1	Tl	5.42388	4.01787	6.82990	36.66005	ug/L	09/29/10	19:21	
61507-1	V	342.07824	342.57870	341.57775	0.20690	ug/L	09/29/10	19:21	
61507-1	Zn	1137.59655	1141.20727	1133.98583	0.44886	ug/L	09/29/10	19:21	
61507-1	2203/1	1322.87377	1330.15686	1315.59057	0.77860	ug/L	09/29/10	19:21	
61507-1	2203/2	1320.85424	1331.50988	1310.19860	1.14087	ug/L	09/29/10	19:21	
61507-1	1960/1	2.91670	3.73965	2.09375	39.90208	ug/L	09/29/10	19:21	
61507-1	1960/2	0.13514	0.09965	0.17064	37.13959	ug/L	09/29/10	19:21	
61507-1	Y	1099.95605	1093.83117	1106.08081	0.78746		09/29/10	19:21	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61566-1	Ag	0.55735	0.98136	0.13334	107.58709	ug/L	09/29/10	19:27	
61566-1	Al	18.97934	17.79421	20.16448	8.83084	ug/L	09/29/10	19:27	
61566-1	2Al	0.01898	0.01779	0.02016	8.83079	mg/L	09/29/10	19:27	
61566-1	As	-3.17634	-2.19924	-4.15343	43.50354	ug/L	09/29/10	19:27	
61566-1	B	260.49136	260.94625	260.03646	0.24696	ug/L	09/29/10	19:27	
61566-1	Ba	0.73579	0.67510	0.79649	11.66562	ug/L	09/29/10	19:27	
61566-1	Be	0.01515	-0.00263	0.03293	166.01052	ug/L	09/29/10	19:27	
61566-1	Ca	3853.04125	3856.22680	3849.85571	0.11692	ug/L	09/29/10	19:27	
61566-1	Cd	-0.19090	-0.26407	-0.11773	54.20515	ug/L	09/29/10	19:27	
61566-1	Co	-1.05220	-0.80815	-1.29625	32.80165	ug/L	09/29/10	19:27	
61566-1	Cr	1.31107	1.27236	1.34979	4.17587	ug/L	09/29/10	19:27	
61566-1	Cu	22.70776	22.64369	22.77184	0.39904	ug/L	09/29/10	19:27	
61566-1	Fe	354.97302	342.47415	367.47192	4.97955	ug/L	09/29/10	19:27	
61566-1	2Fe	0.35492	0.34243	0.36742	4.97955	mg/L	09/29/10	19:27	
61566-1	K	462.30883	445.84265	478.77499	5.03704	ug/L	09/29/10	19:27	
61566-1	Mg	53.64144	53.66354	53.61934	0.05826	ug/L	09/29/10	19:27	
61566-1	2Mg	0.05356	0.05358	0.05354	0.06409	mg/L	09/29/10	19:27	
61566-1	Mn	2.01016	1.98225	2.03807	1.96366	ug/L	09/29/10	19:27	
61566-1	Mo	199.49072	200.98785	197.99359	1.06133	ug/L	09/29/10	19:27	
61566-1	Na	759.66455	570.16320	949.16595	35.27812	ug/L	09/29/10	19:27	
61566-1	Ni	0.65400	1.50845	-0.20043	184.76364	ug/L	09/29/10	19:27	
61566-1	Pb	11.03239	10.52216	11.54262	6.54045	ug/L	09/29/10	19:27	
61566-1	Se	1.16362	-1.33267	3.65992	303.38912	ug/L	09/29/10	19:27	
61566-1	Sb	-1.56684	-0.59136	-2.54231	88.04536	ug/L	09/29/10	19:27	
61566-1	Sn	9.73014	9.20013	10.26014	7.70326	ug/L	09/29/10	19:27	
61566-1	Sr	1.74205	1.74914	1.73496	0.57571	ug/L	09/29/10	19:27	
61566-1	Ti	1.69112	1.89045	1.49178	16.66976	ug/L	09/29/10	19:27	
61566-1	Tl	1.00828	2.35725	-0.34069	189.20755	ug/L	09/29/10	19:27	
61566-1	V	0.55287	0.17949	0.92624	95.50682	ug/L	09/29/10	19:27	
61566-1	Zn	2194.92431	2197.54785	2192.30053	0.16904	ug/L	09/29/10	19:27	
61566-1	2203/1	17.55037	20.51919	14.58154	23.92288	ug/L	09/29/10	19:27	
61566-1	2203/2	7.77829	5.53114	10.02543	40.85655	ug/L	09/29/10	19:27	
61566-1	1960/1	4.38766	4.04398	4.73134	11.07743	ug/L	09/29/10	19:27	
61566-1	1960/2	-0.44598	-4.01697	3.12501	1132.36621	ug/L	09/29/10	19:27	
61566-1	Y	1105.82995	1105.32397	1106.33593	0.06470		09/29/10	19:27	
61464-9	Ag	1.13660	1.33666	0.93654	24.89213	ug/L	09/29/10	19:32	
61464-9	Al	34121.27343	34117.29296	34125.25000	0.01648	ug/L	09/29/10	19:32	
61464-9	2Al	34.12058	34.11680	34.12435	0.01565	mg/L	09/29/10	19:32	
61464-9	As	8.07431	6.24682	9.90181	32.00850	ug/L	09/29/10	19:32	
61464-9	B	9.47931	10.34170	8.61692	12.86596	ug/L	09/29/10	19:32	
61464-9	Ba	110.61463	110.50263	110.72664	0.14320	ug/L	09/29/10	19:32	
61464-9	Be	3.24005	3.24403	3.23606	0.17400	ug/L	09/29/10	19:32	
61464-9	Ca	12263.22265	12269.84082	12256.60546	0.07631	ug/L	09/29/10	19:32	
61464-9	Cd	0.47866	0.72067	0.23665	71.50115	ug/L	09/29/10	19:32	
61464-9	Co	22.10371	22.02693	22.18050	0.49128	ug/L	09/29/10	19:32	
61464-9	Cr	30.77743	30.66056	30.89429	0.53700	ug/L	09/29/10	19:32	
61464-9	Cu	46.05120	46.01113	46.09128	0.12306	ug/L	09/29/10	19:32	
61464-9	Fe	80919.42187	81053.03906	80785.80468	0.23352	ug/L	09/29/10	19:32	
61464-9	2Fe	80.90370	81.03731	80.77009	0.23355	mg/L	09/29/10	19:32	
61464-9	K	2876.62548	2861.79809	2891.45263	0.72894	ug/L	09/29/10	19:32	
61464-9	Mg	12835.38085	12847.80957	12822.95214	0.13694	ug/L	09/29/10	19:32	
61464-9	2Mg	12.81818	12.83059	12.80578	0.13683	mg/L	09/29/10	19:32	
61464-9	Mn	1436.83032	1439.23632	1434.42431	0.23681	ug/L	09/29/10	19:32	
61464-9	Mo	4.36297	5.04144	3.68449	21.99209	ug/L	09/29/10	19:32	
61464-9	Na	5.09147	-70.53858	80.72154	2100.70825	ug/L	09/29/10	19:32	
61464-9	Ni	26.57817	26.62857	26.52776	0.26818	ug/L	09/29/10	19:32	
61464-9	Pb	40.88574	42.16897	39.60252	4.43860	ug/L	09/29/10	19:32	
61464-9	Se	3.50037	0.23630	6.76443	131.87422	ug/L	09/29/10	19:32	
61464-9	Sb	-0.11707	1.30828	-1.54242	1721.83251	ug/L	09/29/10	19:32	
61464-9	Sn	22.15290	24.42379	19.88201	14.49709	ug/L	09/29/10	19:32	
61464-9	Sr	147.79699	147.63012	147.96385	0.15966	ug/L	09/29/10	19:32	
61464-9	Ti	3299.03271	3300.15576	3297.90942	0.04814	ug/L	09/29/10	19:32	
61464-9	Tl	0.65463	3.43366	-2.12438	600.35321	ug/L	09/29/10	19:32	
61464-9	V	98.62433	98.64604	98.60263	0.03112	ug/L	09/29/10	19:32	
61464-9	Zn	201.43032	202.05119	200.80947	0.43589	ug/L	09/29/10	19:32	
61464-9	2203/1	49.91889	52.61227	47.22550	7.63042	ug/L	09/29/10	19:32	
61464-9	2203/2	36.37595	36.95516	35.79674	2.25182	ug/L	09/29/10	19:32	
61464-9	1960/1	0.84313	-1.91753	3.60380	463.05593	ug/L	09/29/10	19:32	
61464-9	1960/2	4.82699	1.31161	8.34238	102.99376	ug/L	09/29/10	19:32	
61464-9	Y	1108.55798	1109.92639	1107.18957	0.17457		09/29/10	19:32	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61464-9L	Ag	1.43282	2.19964	0.66600	75.68592	ug/L	09/29/10	19:37	
61464-9L	Al	7055.50195	7141.24169	6969.76220	1.71857	ug/L	09/29/10	19:37	
61464-9L	2Al	7.05545	7.14079	6.97010	1.71064	mg/L	09/29/10	19:37	
61464-9L	As	1.17009	1.52039	0.81980	42.33738	ug/L	09/29/10	19:37	
61464-9L	B	2.63329	3.63340	1.63318	53.71096	ug/L	09/29/10	19:37	
61464-9L	Ba	22.89201	23.22709	22.55693	2.07003	ug/L	09/29/10	19:37	
61464-9L	Be	0.68472	0.71336	0.65609	5.91398	ug/L	09/29/10	19:37	
61464-9L	Ca	2512.38940	2544.10937	2480.66943	1.78550	ug/L	09/29/10	19:37	
61464-9L	Cd	-0.02770	0.04993	-0.10534	396.28887	ug/L	09/29/10	19:37	
61464-9L	Co	4.36375	4.70905	4.01846	11.19038	ug/L	09/29/10	19:37	
61464-9L	Cr	6.15753	6.45779	5.85727	6.89612	ug/L	09/29/10	19:37	
61464-9L	Cu	8.71172	9.27907	8.14437	9.21002	ug/L	09/29/10	19:37	
61464-9L	Fe	16576.96484	16790.23046	16363.70117	1.81940	ug/L	09/29/10	19:37	
61464-9L	2Fe	16.57431	16.78699	16.36162	1.81472	mg/L	09/29/10	19:37	
61464-9L	K	608.12878	629.08013	587.17742	4.87227	ug/L	09/29/10	19:37	
61464-9L	Mg	2626.45996	2664.09716	2588.82275	2.02656	ug/L	09/29/10	19:37	
61464-9L	2Mg	2.62293	2.66052	2.58534	2.02679	mg/L	09/29/10	19:37	
61464-9L	Mn	294.79284	298.46984	291.11584	1.76397	ug/L	09/29/10	19:37	
61464-9L	Mo	1.42950	1.39013	1.46888	3.89515	ug/L	09/29/10	19:37	
61464-9L	Na	336.53631	438.44863	234.62397	42.82622	ug/L	09/29/10	19:37	
61464-9L	Ni	4.78683	5.50553	4.06813	21.23309	ug/L	09/29/10	19:37	
61464-9L	Pb	9.38145	9.21534	9.54756	2.50400	ug/L	09/29/10	19:37	
61464-9L	Se	2.38432	3.00942	1.75921	37.07689	ug/L	09/29/10	19:37	
61464-9L	Sb	0.89199	1.55187	0.23210	104.62169	ug/L	09/29/10	19:37	
61464-9L	Sn	1.98466	4.30961	-0.34028	165.66921	ug/L	09/29/10	19:37	
61464-9L	Sr	30.28990	30.67470	29.90510	1.79660	ug/L	09/29/10	19:37	
61464-9L	Ti	677.10919	685.77209	668.44628	1.80933	ug/L	09/29/10	19:37	
61464-9L	Tl	6.79082	9.14316	4.43848	48.98838	ug/L	09/29/10	19:37	
61464-9L	V	21.02866	21.89584	20.16148	5.83192	ug/L	09/29/10	19:37	
61464-9L	Zn	41.40723	41.85436	40.96011	1.52709	ug/L	09/29/10	19:37	
61464-9L	2203/1	17.35899	17.86770	16.85028	4.14440	ug/L	09/29/10	19:37	
61464-9L	2203/2	5.39866	4.89565	5.90167	13.17671	ug/L	09/29/10	19:37	
61464-9L	1960/1	5.78582	6.39868	5.17295	14.98008	ug/L	09/29/10	19:37	
61464-9L	1960/2	0.68611	1.31733	0.05490	130.10482	ug/L	09/29/10	19:37	
61464-9L	Y	1092.11523	1095.29199	1088.93835	0.41137		09/29/10	19:37	
61464-9A	Ag	39.77994	39.60575	39.95413	0.61926	ug/L	09/29/10	19:42	
61464-9A	Al	35293.11718	35363.77343	35222.46484	0.28311	ug/L	09/29/10	19:42	
61464-9A	2Al	35.29239	35.36294	35.22183	0.28272	mg/L	09/29/10	19:42	
61464-9A	As	1869.62963	1868.22253	1871.03674	0.10643	ug/L	09/29/10	19:42	
61464-9A	B	1001.63232	1002.70886	1000.55584	0.15199	ug/L	09/29/10	19:42	
61464-9A	Ba	2080.67626	2087.19750	2074.15502	0.44324	ug/L	09/29/10	19:42	
61464-9A	Be	51.47070	51.44852	51.49289	0.06095	ug/L	09/29/10	19:42	
61464-9A	Ca	16840.28125	16833.94140	16846.62304	0.05324	ug/L	09/29/10	19:42	
61464-9A	Cd	48.29782	48.31450	48.28113	0.04885	ug/L	09/29/10	19:42	
61464-9A	Co	502.96026	501.95129	503.96920	0.28369	ug/L	09/29/10	19:42	
61464-9A	Cr	222.99845	222.34330	223.65361	0.41548	ug/L	09/29/10	19:42	
61464-9A	Cu	286.77960	287.38806	286.17114	0.30005	ug/L	09/29/10	19:42	
61464-9A	Fe	79208.57812	79215.42968	79201.71875	0.01223	ug/L	09/29/10	19:42	
61464-9A	2Fe	79.19381	79.20012	79.18751	0.01126	mg/L	09/29/10	19:42	
61464-9A	K	7991.01660	7992.00537	7990.02783	0.01749	ug/L	09/29/10	19:42	
61464-9A	Mg	17441.21484	17435.02734	17447.40234	0.05017	ug/L	09/29/10	19:42	
61464-9A	2Mg	17.42322	17.41703	17.42940	0.05019	mg/L	09/29/10	19:42	
61464-9A	Mn	1874.96899	1875.29785	1874.64025	0.02479	ug/L	09/29/10	19:42	
61464-9A	Mo	493.69335	493.51901	493.86767	0.04993	ug/L	09/29/10	19:42	
61464-9A	Na	5007.92187	4847.58837	5168.25488	4.52773	ug/L	09/29/10	19:42	
61464-9A	Ni	499.27487	499.10394	499.44580	0.04841	ug/L	09/29/10	19:42	
61464-9A	Pb	508.06652	510.28353	505.84951	0.61710	ug/L	09/29/10	19:42	
61464-9A	Se	1897.15649	1896.28393	1898.02917	0.06504	ug/L	09/29/10	19:42	
61464-9A	Sb	467.53295	466.25692	468.80899	0.38597	ug/L	09/29/10	19:42	
61464-9A	Sn	1027.71630	1025.32727	1030.10534	0.32874	ug/L	09/29/10	19:42	
61464-9A	Sr	674.57373	675.97857	673.16888	0.29451	ug/L	09/29/10	19:42	
61464-9A	Ti	4205.02392	4210.93750	4199.11035	0.19888	ug/L	09/29/10	19:42	
61464-9A	Tl	1974.44750	1974.59558	1974.29931	0.01061	ug/L	09/29/10	19:42	
61464-9A	V	567.99426	567.89251	568.09606	0.02534	ug/L	09/29/10	19:42	
61464-9A	Zn	671.77832	670.58068	672.97601	0.25212	ug/L	09/29/10	19:42	
61464-9A	2203/1	513.57965	514.54644	512.61285	0.26622	ug/L	09/29/10	19:42	
61464-9A	2203/2	505.31411	508.15530	502.47293	0.79515	ug/L	09/29/10	19:42	
61464-9A	1960/1	1888.88110	1883.82666	1893.93566	0.37843	ug/L	09/29/10	19:42	
61464-9A	1960/2	1901.28808	1902.50329	1900.07275	0.09039	ug/L	09/29/10	19:42	
61464-9A	Y	1110.24316	1109.50402	1110.98242	0.09415		09/29/10	19:42	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61464-9S	Ag	51.01560	50.75170	51.27949	0.73154	ug/L	09/29/10	19:47	
61464-9S	Al	36589.93359	36620.11718	36559.75000	0.11666	ug/L	09/29/10	19:47	
61464-9S	2Al	36.58960	36.61824	36.56097	0.11067	mg/L	09/29/10	19:47	
61464-9S	As	1948.46447	1951.86401	1945.06494	0.24674	ug/L	09/29/10	19:47	
61464-9S	B	1002.22351	1004.13128	1000.31573	0.26920	ug/L	09/29/10	19:47	
61464-9S	Ba	2156.99536	2159.83325	2154.15747	0.18606	ug/L	09/29/10	19:47	
61464-9S	Be	55.82286	55.82722	55.81849	0.01106	ug/L	09/29/10	19:47	
61464-9S	Ca	15752.47851	15747.14648	15757.81054	0.04786	ug/L	09/29/10	19:47	
61464-9S	Cd	50.42466	50.69417	50.15515	0.75587	ug/L	09/29/10	19:47	
61464-9S	Co	522.34655	522.53778	522.15533	0.05177	ug/L	09/29/10	19:47	
61464-9S	Cr	233.26187	233.04064	233.48307	0.13411	ug/L	09/29/10	19:47	
61464-9S	Cu	285.71264	285.93258	285.49267	0.10887	ug/L	09/29/10	19:47	
61464-9S	Fe	88711.23437	88689.18750	88733.27343	0.03514	ug/L	09/29/10	19:47	
61464-9S	2Fe	88.69537	88.66958	88.72116	0.04112	mg/L	09/29/10	19:47	
61464-9S	K	7835.28906	7810.45800	7860.12011	0.44818	ug/L	09/29/10	19:47	
61464-9S	Mg	15790.24609	15793.93554	15786.55761	0.03303	ug/L	09/29/10	19:47	
61464-9S	2Mg	15.77102	15.77472	15.76733	0.03312	mg/L	09/29/10	19:47	
61464-9S	Mn	1821.11657	1821.96374	1820.26940	0.06578	ug/L	09/29/10	19:47	
61464-9S	Mo	501.79843	500.15655	503.44030	0.46272	ug/L	09/29/10	19:47	
61464-9S	Na	4609.40527	4456.35449	4762.45556	4.69575	ug/L	09/29/10	19:47	
61464-9S	Ni	521.23675	520.23724	522.23626	0.27118	ug/L	09/29/10	19:47	
61464-9S	Pb	532.30456	533.22991	531.37915	0.24585	ug/L	09/29/10	19:47	
61464-9S	Se	1975.09252	1977.77844	1972.40673	0.19231	ug/L	09/29/10	19:47	
61464-9S	Sb	474.86950	471.28295	478.45608	1.06811	ug/L	09/29/10	19:47	
61464-9S	Sn	1010.05224	1009.93878	1010.16577	0.01589	ug/L	09/29/10	19:47	
61464-9S	Sr	670.91174	671.17407	670.64935	0.05530	ug/L	09/29/10	19:47	
61464-9S	Ti	3670.67138	3673.36547	3667.97753	0.10379	ug/L	09/29/10	19:47	
61464-9S	Tl	2059.70019	2054.38500	2065.01513	0.36493	ug/L	09/29/10	19:47	
61464-9S	V	575.48815	576.91796	574.05828	0.35137	ug/L	09/29/10	19:47	
61464-9S	Zn	788.08489	787.92919	788.24060	0.02794	ug/L	09/29/10	19:47	
61464-9S	2203/1	535.81420	538.99511	532.63330	0.83956	ug/L	09/29/10	19:47	
61464-9S	2203/2	530.55236	530.35162	530.75305	0.05350	ug/L	09/29/10	19:47	
61464-9S	1960/1	1961.35241	1963.23193	1959.47290	0.13552	ug/L	09/29/10	19:47	
61464-9S	1960/2	1981.95239	1985.04089	1978.86401	0.22037	ug/L	09/29/10	19:47	
61464-9S	Y	1131.73730	1131.78564	1131.68884	0.00604		09/29/10	19:47	
61464-9SD	Ag	49.76522	50.05952	49.47092	0.83634	ug/L	09/29/10	19:52	
61464-9SD	Al	40591.18359	40667.50781	40514.85937	0.26591	ug/L	09/29/10	19:52	
61464-9SD	2Al	40.58911	40.66553	40.51269	0.26627	mg/L	09/29/10	19:52	
61464-9SD	As	1960.41503	1961.95153	1958.87841	0.11084	ug/L	09/29/10	19:52	
61464-9SD	B	1013.38049	1014.45074	1012.31018	0.14936	ug/L	09/29/10	19:52	
61464-9SD	Ba	2192.23291	2194.56762	2189.89843	0.15060	ug/L	09/29/10	19:52	
61464-9SD	Be	55.87717	55.94704	55.80731	0.17682	ug/L	09/29/10	19:52	
61464-9SD	Ca	16069.51171	16085.42480	16053.59765	0.14004	ug/L	09/29/10	19:52	
61464-9SD	Cd	50.86554	50.72583	51.00526	0.38845	ug/L	09/29/10	19:52	
61464-9SD	Co	526.16760	526.57965	525.75555	0.11074	ug/L	09/29/10	19:52	
61464-9SD	Cr	239.85371	240.08969	239.61773	0.13913	ug/L	09/29/10	19:52	
61464-9SD	Cu	285.95397	286.76934	285.13861	0.40324	ug/L	09/29/10	19:52	
61464-9SD	Fe	91219.07812	91334.43750	91103.71093	0.17885	ug/L	09/29/10	19:52	
61464-9SD	2Fe	91.19934	91.31468	91.08399	0.17886	mg/L	09/29/10	19:52	
61464-9SD	K	8715.33984	8735.88574	8694.79296	0.33340	ug/L	09/29/10	19:52	
61464-9SD	Mg	18454.58984	18476.81445	18432.36328	0.17031	ug/L	09/29/10	19:52	
61464-9SD	2Mg	18.43429	18.45649	18.41209	0.17031	mg/L	09/29/10	19:52	
61464-9SD	Mn	2074.65820	2077.05029	2072.26611	0.16305	ug/L	09/29/10	19:52	
61464-9SD	Mo	508.92590	509.03851	508.81326	0.03129	ug/L	09/29/10	19:52	
61464-9SD	Na	4919.01562	4756.50146	5081.52929	4.67226	ug/L	09/29/10	19:52	
61464-9SD	Ni	529.75024	529.21893	530.28149	0.14182	ug/L	09/29/10	19:52	
61464-9SD	Pb	532.40319	533.80682	530.99951	0.37285	ug/L	09/29/10	19:52	
61464-9SD	Se	1975.01733	1974.80078	1975.23376	0.01550	ug/L	09/29/10	19:52	
61464-9SD	Sb	478.58026	480.01174	477.14874	0.42301	ug/L	09/29/10	19:52	
61464-9SD	Sn	1027.52722	1030.03039	1025.02404	0.34451	ug/L	09/29/10	19:52	
61464-9SD	Sr	678.77246	680.19317	677.35168	0.29601	ug/L	09/29/10	19:52	
61464-9SD	Ti	4110.22998	4114.77929	4105.68066	0.15652	ug/L	09/29/10	19:52	
61464-9SD	Tl	2084.62792	2081.62304	2087.63256	0.20384	ug/L	09/29/10	19:52	
61464-9SD	V	588.13293	588.74481	587.52099	0.14713	ug/L	09/29/10	19:52	
61464-9SD	Zn	712.80444	713.32641	712.28247	0.10356	ug/L	09/29/10	19:52	
61464-9SD	2203/1	537.47351	543.28668	531.66033	1.52957	ug/L	09/29/10	19:52	
61464-9SD	2203/2	529.87176	529.07397	530.66955	0.21292	ug/L	09/29/10	19:52	
61464-9SD	1960/1	1963.53979	1970.33422	1956.74548	0.48935	ug/L	09/29/10	19:52	
61464-9SD	1960/2	1980.74743	1977.03076	1984.46411	0.26536	ug/L	09/29/10	19:52	
61464-9SD	Y	1159.15356	1158.73999	1159.56713	0.05045		09/29/10	19:52	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61154-1	Ag	0.67343	1.24779	0.09907	120.61582	ug/L	09/29/10	19:58	
61154-1	Al	34154.36718	34201.67578	34107.05468	0.19589	ug/L	09/29/10	19:58	
61154-1	2Al	34.15290	34.19980	34.10600	0.19421	mg/L	09/29/10	19:58	
61154-1	As	9.69415	12.26151	7.12680	37.45332	ug/L	09/29/10	19:58	
61154-1	B	10.18689	11.53666	8.83712	18.73840	ug/L	09/29/10	19:58	
61154-1	Ba	112.33085	112.68000	111.98170	0.43957	ug/L	09/29/10	19:58	
61154-1	Be	2.87317	2.88118	2.86516	0.39435	ug/L	09/29/10	19:58	
61154-1	Ca	10479.06835	10505.92871	10452.20800	0.36249	ug/L	09/29/10	19:58	
61154-1	Cd	0.73113	0.66903	0.79323	12.01202	ug/L	09/29/10	19:58	
61154-1	Co	21.07526	21.66563	20.48489	3.96156	ug/L	09/29/10	19:58	
61154-1	Cr	45.03793	45.61336	44.46249	1.80690	ug/L	09/29/10	19:58	
61154-1	Cu	43.66687	44.05440	43.27935	1.25505	ug/L	09/29/10	19:58	
61154-1	Fe	64302.45703	64410.63671	64194.27734	0.23792	ug/L	09/29/10	19:58	
61154-1	2Fe	64.28833	64.39591	64.18074	0.23667	mg/L	09/29/10	19:58	
61154-1	K	3445.51171	3499.29638	3391.72705	2.20759	ug/L	09/29/10	19:58	
61154-1	Mg	12776.72558	12811.41894	12742.03222	0.38400	ug/L	09/29/10	19:58	
61154-1	2Mg	12.76222	12.79689	12.72756	0.38413	mg/L	09/29/10	19:58	
61154-1	Mn	908.20086	909.61132	906.79040	0.21963	ug/L	09/29/10	19:58	
61154-1	Mo	5.45912	7.77313	3.14510	59.94574	ug/L	09/29/10	19:58	
61154-1	Na	71.55917	53.95251	89.16584	34.79579	ug/L	09/29/10	19:58	
61154-1	Ni	34.22690	34.43139	34.02241	0.84492	ug/L	09/29/10	19:58	
61154-1	Pb	42.37424	42.43264	42.31583	0.19492	ug/L	09/29/10	19:58	
61154-1	Se	0.89849	2.15859	-0.36161	198.33848	ug/L	09/29/10	19:58	
61154-1	Sb	1.15277	2.92073	-0.61518	216.89122	ug/L	09/29/10	19:58	
61154-1	Sn	16.95501	15.92345	17.98657	8.60422	ug/L	09/29/10	19:58	
61154-1	Sr	107.59484	107.66380	107.52588	0.09063	ug/L	09/29/10	19:58	
61154-1	Ti	3484.12353	3487.45776	3480.78930	0.13533	ug/L	09/29/10	19:58	
61154-1	Tl	6.26150	6.83123	5.69178	12.86772	ug/L	09/29/10	19:58	
61154-1	V	96.33634	97.16180	95.51088	1.21176	ug/L	09/29/10	19:58	
61154-1	Zn	183.56700	184.18469	182.94931	0.47587	ug/L	09/29/10	19:58	
61154-1	2203/1	53.16627	53.78976	52.54278	1.65848	ug/L	09/29/10	19:58	
61154-1	2203/2	36.98631	36.76259	37.21002	0.85539	ug/L	09/29/10	19:58	
61154-1	1960/1	5.91975	8.90611	2.93339	71.34329	ug/L	09/29/10	19:58	
61154-1	1960/2	-1.60837	-1.21011	-2.00664	35.01871	ug/L	09/29/10	19:58	
61154-1	Y	1115.65075	1109.65356	1121.64794	0.76021		09/29/10	19:58	
CCV	Ag	503.11526	504.01199	502.21853	0.25206	ug/L	09/29/10	20:03	
CCV	Al	4896.85839	4897.00439	4896.71240	0.00421	ug/L	09/29/10	20:03	
CCV	2Al	4.89685	4.89720	4.89650	0.01005	mg/L	09/29/10	20:03	
CCV	As	501.75933	502.23519	501.28347	0.13412	ug/L	09/29/10	20:03	
CCV	B	5038.64648	5047.44531	5029.84765	0.24695	ug/L	09/29/10	20:03	
CCV	Ba	5067.97460	5079.82763	5056.12109	0.33076	ug/L	09/29/10	20:03	
CCV	Be	509.09136	510.84292	507.33984	0.48656	ug/L	09/29/10	20:03	
CCV	Ca	5000.56054	5015.02587	4986.09521	0.40909	ug/L	09/29/10	20:03	
CCV	Cd	505.90527	507.00225	504.80831	0.30664	ug/L	09/29/10	20:03	
CCV	Co	503.92352	505.99377	501.85324	0.58100	ug/L	09/29/10	20:03	
CCV	Cr	5071.26562	5085.58593	5056.94531	0.39934	ug/L	09/29/10	20:03	
CCV	Cu	5019.57324	5031.35595	5007.79101	0.33195	ug/L	09/29/10	20:03	
CCV	Fe	4937.41113	4954.53125	4920.29150	0.49036	ug/L	09/29/10	20:03	
CCV	2Fe	4.93741	4.95453	4.92030	0.49035	mg/L	09/29/10	20:03	
CCV	K	10093.81835	10100.04296	10087.59375	0.08721	ug/L	09/29/10	20:03	
CCV	Mg	4993.62011	5001.31738	4985.92236	0.21799	ug/L	09/29/10	20:03	
CCV	2Mg	4.99368	5.00137	4.98598	0.21800	mg/L	09/29/10	20:03	
CCV	Mn	5102.87304	5115.67822	5090.06835	0.35487	ug/L	09/29/10	20:03	
CCV	Mo	504.35266	504.57958	504.12573	0.06363	ug/L	09/29/10	20:03	
CCV	Na	7556.90478	7605.58740	7508.22216	0.91105	ug/L	09/29/10	20:03	
CCV	Ni	2514.03002	2522.82275	2505.23730	0.49461	ug/L	09/29/10	20:03	
CCV	Pb	504.60598	509.41903	499.79293	1.34890	ug/L	09/29/10	20:03	
CCV	Se	5072.89160	5125.25634	5020.52734	1.45981	ug/L	09/29/10	20:03	
CCV	Sb	492.85638	493.82162	491.89111	0.27697	ug/L	09/29/10	20:03	
CCV	Sn	5040.63769	5053.24414	5028.03125	0.35368	ug/L	09/29/10	20:03	
CCV	Sr	2580.20605	2583.94775	2576.46435	0.20508	ug/L	09/29/10	20:03	
CCV	Ti	504.86251	506.00967	503.71536	0.32133	ug/L	09/29/10	20:03	
CCV	Tl	5096.22265	5102.18750	5090.25830	0.16551	ug/L	09/29/10	20:03	
CCV	V	5004.43408	5016.17285	4992.69531	0.33172	ug/L	09/29/10	20:03	
CCV	Zn	2520.43701	2527.57177	2513.30200	0.40033	ug/L	09/29/10	20:03	
CCV	2203/1	507.96557	510.85781	505.07333	0.80522	ug/L	09/29/10	20:03	
CCV	2203/2	502.92462	508.69662	497.15261	1.62307	ug/L	09/29/10	20:03	
CCV	1960/1	5024.35351	5039.77392	5008.93359	0.43403	ug/L	09/29/10	20:03	
CCV	1960/2	5097.12402	5167.93310	5026.31542	1.96461	ug/L	09/29/10	20:03	
CCV	Y	1082.01281	1078.36083	1085.66479	0.47732		09/29/10	20:03	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.87086	-0.15206	1.89379	166.11476	ug/L	09/29/10	20:08	
CCB	Al	5.78593	-2.40164	13.97351	200.12315	ug/L	09/29/10	20:08	
CCB	2Al	0.00578	-0.00240	0.01397	200.12329	mg/L	09/29/10	20:08	
CCB	As	-3.52382	-3.20558	-3.84206	12.77191	ug/L	09/29/10	20:08	
CCB	B	7.93015	7.59821	8.26209	5.91963	ug/L	09/29/10	20:08	
CCB	Ba	1.53529	0.23709	2.83349	119.58197	ug/L	09/29/10	20:08	
CCB	Be	0.15949	0.04916	0.26982	97.82562	ug/L	09/29/10	20:08	
CCB	Ca	-0.65242	-2.68750	1.38264	441.12649	ug/L	09/29/10	20:08	
CCB	Cd	0.08447	-0.25177	0.42073	562.90808	ug/L	09/29/10	20:08	
CCB	Co	-0.49344	-1.08199	0.09510	168.67718	ug/L	09/29/10	20:08	
CCB	Cr	1.18177	-0.46322	2.82676	196.85469	ug/L	09/29/10	20:08	
CCB	Cu	0.14674	-1.53847	1.83196	1624.08178	ug/L	09/29/10	20:08	
CCB	Fe	3.97067	-16.17510	24.11645	717.52178	ug/L	09/29/10	20:08	
CCB	2Fe	0.00397	-0.01617	0.02411	717.53521	mg/L	09/29/10	20:08	
CCB	K	10.44302	-28.13129	49.01733	522.38061	ug/L	09/29/10	20:08	
CCB	Mg	-1.49831	-9.08567	6.08904	716.14752	ug/L	09/29/10	20:08	
CCB	2Mg	-0.00149	-0.00908	0.00608	715.83404	mg/L	09/29/10	20:08	
CCB	Mn	1.36941	0.10442	2.63440	130.63745	ug/L	09/29/10	20:08	
CCB	Mo	0.77485	-0.14319	1.69289	167.55570	ug/L	09/29/10	20:08	
CCB	Na	203.13336	267.30294	138.96379	44.67483	ug/L	09/29/10	20:08	
CCB	Ni	0.82524	0.06489	1.58558	130.29978	ug/L	09/29/10	20:08	
CCB	Pb	1.60634	2.12722	1.08546	45.85812	ug/L	09/29/10	20:08	
CCB	Se	2.71232	0.44877	4.97587	118.02198	ug/L	09/29/10	20:08	
CCB	Sb	-0.55477	-1.92903	0.81948	350.32247	ug/L	09/29/10	20:08	
CCB	Sn	0.26313	-2.85922	3.38549	1678.11669	ug/L	09/29/10	20:08	
CCB	Sr	0.66738	0.05062	1.28415	130.69398	ug/L	09/29/10	20:08	
CCB	Ti	0.34352	-0.19960	0.88665	223.59394	ug/L	09/29/10	20:08	
CCB	Tl	-0.23117	-1.41843	0.95607	726.28997	ug/L	09/29/10	20:08	
CCB	V	1.70834	-0.63438	4.05106	193.93713	ug/L	09/29/10	20:08	
CCB	Zn	0.09638	-0.98431	1.17709	1585.61218	ug/L	09/29/10	20:08	
CCB	2203/1	4.60115	5.36440	3.83790	23.45933	ug/L	09/29/10	20:08	
CCB	2203/2	0.11118	0.51106	-0.28869	508.62921	ug/L	09/29/10	20:08	
CCB	1960/1	6.29276	1.51597	11.06955	107.35194	ug/L	09/29/10	20:08	
CCB	1960/2	0.92479	-0.08401	1.93360	154.26971	ug/L	09/29/10	20:08	
CCB	Y	1085.97729	1086.80004	1085.15441	0.10715		09/29/10	20:08	
61154-1S	Ag	53.70133	54.11037	53.29229	1.07718	ug/L	09/29/10	20:13	
61154-1S	Al	39469.33593	39462.66796	39476.00390	0.02389	ug/L	09/29/10	20:13	
61154-1S	2Al	39.46720	39.46044	39.47397	0.02424	mg/L	09/29/10	20:13	
61154-1S	As	2045.39501	2044.30493	2046.48510	0.07537	ug/L	09/29/10	20:13	
61154-1S	B	1058.08691	1056.52355	1059.65014	0.20894	ug/L	09/29/10	20:13	
61154-1S	Ba	2236.70507	2236.49584	2236.91430	0.01322	ug/L	09/29/10	20:13	
61154-1S	Be	55.93197	55.86058	56.00335	0.18049	ug/L	09/29/10	20:13	
61154-1S	Ca	15164.49902	15136.12207	15192.87597	0.26463	ug/L	09/29/10	20:13	
61154-1S	Cd	53.30313	53.14545	53.46081	0.41835	ug/L	09/29/10	20:13	
61154-1S	Co	543.75268	542.29235	545.21307	0.37981	ug/L	09/29/10	20:13	
61154-1S	Cr	270.21447	269.29013	271.13882	0.48377	ug/L	09/29/10	20:13	
61154-1S	Cu	343.06484	342.93692	343.19277	0.05273	ug/L	09/29/10	20:13	
61154-1S	Fe	68657.98437	68555.71875	68760.25781	0.21065	ug/L	09/29/10	20:13	
61154-1S	2Fe	68.64291	68.54065	68.74516	0.21066	mg/L	09/29/10	20:13	
61154-1S	K	8283.75097	8287.41308	8280.08886	0.06252	ug/L	09/29/10	20:13	
61154-1S	Mg	18853.59375	18828.05468	18879.13085	0.19156	ug/L	09/29/10	20:13	
61154-1S	2Mg	18.83689	18.81137	18.86240	0.19153	mg/L	09/29/10	20:13	
61154-1S	Mn	1508.07739	1506.05322	1510.10156	0.18981	ug/L	09/29/10	20:13	
61154-1S	Mo	521.63519	521.98144	521.28894	0.09387	ug/L	09/29/10	20:13	
61154-1S	Na	5400.85791	5435.12890	5366.58691	0.89738	ug/L	09/29/10	20:13	
61154-1S	Ni	550.41772	549.71417	551.12133	0.18077	ug/L	09/29/10	20:13	
61154-1S	Pb	552.14843	550.43347	553.86346	0.43926	ug/L	09/29/10	20:13	
61154-1S	Se	2080.46704	2074.61132	2086.32275	0.39804	ug/L	09/29/10	20:13	
61154-1S	Sb	501.86560	499.18463	504.54656	0.75547	ug/L	09/29/10	20:13	
61154-1S	Sn	1057.05322	1057.65270	1056.45385	0.08019	ug/L	09/29/10	20:13	
61154-1S	Sr	655.05419	654.44976	655.65863	0.13049	ug/L	09/29/10	20:13	
61154-1S	Ti	3579.27490	3573.80249	3584.74707	0.21621	ug/L	09/29/10	20:13	
61154-1S	Tl	2157.02612	2160.57519	2153.47705	0.23268	ug/L	09/29/10	20:13	
61154-1S	V	604.50915	604.64459	604.37365	0.03169	ug/L	09/29/10	20:13	
61154-1S	Zn	727.35113	725.42181	729.28045	0.37512	ug/L	09/29/10	20:13	
61154-1S	2203/1	563.46997	567.07727	559.86267	0.90537	ug/L	09/29/10	20:13	
61154-1S	2203/2	546.49621	542.12402	550.86840	1.13142	ug/L	09/29/10	20:13	
61154-1S	1960/1	2075.35034	2068.18212	2082.51855	0.48846	ug/L	09/29/10	20:13	
61154-1S	1960/2	2083.02172	2077.82128	2088.22216	0.35307	ug/L	09/29/10	20:13	
61154-1S	Y	1104.11401	1104.91040	1103.31762	0.10200		09/29/10	20:13	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61154-1SD	Ag	51.00460	51.67700	50.33221	1.86437	ug/L	09/29/10	20:18	
61154-1SD	Al	48996.39062	49017.28125	48975.50390	0.06029	ug/L	09/29/10	20:18	
61154-1SD	2Al	48.99525	49.01811	48.97239	0.06598	mg/L	09/29/10	20:18	
61154-1SD	As	1954.15185	1953.99963	1954.30419	0.01102	ug/L	09/29/10	20:18	
61154-1SD	B	1015.06298	1016.60308	1013.52282	0.21457	ug/L	09/29/10	20:18	
61154-1SD	Ba	2189.09301	2189.07275	2189.11328	0.00130	ug/L	09/29/10	20:18	
61154-1SD	Be	54.14619	54.08391	54.20848	0.16267	ug/L	09/29/10	20:18	
61154-1SD	Ca	20950.31640	20897.79687	21002.83593	0.35452	ug/L	09/29/10	20:18	
61154-1SD	Cd	50.84420	50.68104	51.00736	0.45382	ug/L	09/29/10	20:18	
61154-1SD	Co	525.67376	525.04290	526.30462	0.16971	ug/L	09/29/10	20:18	
61154-1SD	Cr	253.13485	252.26954	254.00015	0.48342	ug/L	09/29/10	20:18	
61154-1SD	Cu	306.12799	305.79791	306.45809	0.15249	ug/L	09/29/10	20:18	
61154-1SD	Fe	85507.00000	85389.64843	85624.35156	0.19408	ug/L	09/29/10	20:18	
61154-1SD	2Fe	85.49092	85.37686	85.60498	0.18868	mg/L	09/29/10	20:18	
61154-1SD	K	8772.29882	8781.31640	8763.28125	0.14537	ug/L	09/29/10	20:18	
61154-1SD	Mg	23063.41796	22995.90625	23130.92773	0.41396	ug/L	09/29/10	20:18	
61154-1SD	2Mg	23.04268	22.97521	23.11015	0.41409	mg/L	09/29/10	20:18	
61154-1SD	Mn	1766.56103	1765.16882	1767.95336	0.11145	ug/L	09/29/10	20:18	
61154-1SD	Mo	502.44500	501.97485	502.91513	0.13232	ug/L	09/29/10	20:18	
61154-1SD	Na	4951.15625	5185.24316	4717.06982	6.68628	ug/L	09/29/10	20:18	
61154-1SD	Ni	530.40472	528.61389	532.19555	0.47748	ug/L	09/29/10	20:18	
61154-1SD	Pb	536.89489	535.06146	538.72839	0.48294	ug/L	09/29/10	20:18	
61154-1SD	Se	1976.43896	1975.96594	1976.91186	0.03384	ug/L	09/29/10	20:18	
61154-1SD	Sb	475.30609	479.68359	470.92858	1.30247	ug/L	09/29/10	20:18	
61154-1SD	Sn	1009.02856	1006.85498	1011.20214	0.30464	ug/L	09/29/10	20:18	
61154-1SD	Sr	689.99945	689.14941	690.84948	0.17422	ug/L	09/29/10	20:18	
61154-1SD	Ti	5051.44189	5044.32128	5058.56250	0.19935	ug/L	09/29/10	20:18	
61154-1SD	Tl	2061.91552	2057.69067	2066.14062	0.28977	ug/L	09/29/10	20:18	
61154-1SD	V	616.58837	616.69842	616.47827	0.02524	ug/L	09/29/10	20:18	
61154-1SD	Zn	742.56457	739.82806	745.30108	0.52116	ug/L	09/29/10	20:18	
61154-1SD	2203/1	546.96014	550.70642	543.21386	0.96863	ug/L	09/29/10	20:18	
61154-1SD	2203/2	531.86987	527.25073	536.48901	1.22820	ug/L	09/29/10	20:18	
61154-1SD	1960/1	1974.19384	1970.17260	1978.21508	0.28806	ug/L	09/29/10	20:18	
61154-1SD	1960/2	1977.55981	1978.85827	1976.26123	0.09286	ug/L	09/29/10	20:18	
61154-1SD	Y	1110.34448	1109.23999	1111.44885	0.14066		09/29/10	20:18	
61337-2	Ag	-0.05917	0.62085	-0.73921	1625.09887	ug/L	09/29/10	20:24	
61337-2	Al	10.28970	8.49642	12.08297	24.64667	ug/L	09/29/10	20:24	
61337-2	2Al	0.01029	0.00849	0.01208	24.64678	mg/L	09/29/10	20:24	
61337-2	As	-1.77855	-2.25417	-1.30292	37.81914	ug/L	09/29/10	20:24	
61337-2	B	3.86206	4.40423	3.31990	19.85305	ug/L	09/29/10	20:24	
61337-2	Ba	1.02253	1.31302	0.73204	40.17658	ug/L	09/29/10	20:24	
61337-2	Be	0.04025	0.06549	0.01500	88.69766	ug/L	09/29/10	20:24	
61337-2	Ca	61.47613	62.57889	60.37337	2.53681	ug/L	09/29/10	20:24	
61337-2	Cd	-0.08967	-0.10283	-0.07651	20.75349	ug/L	09/29/10	20:24	
61337-2	Co	-1.14079	-1.79183	-0.48975	80.70767	ug/L	09/29/10	20:24	
61337-2	Cr	3.21322	2.85270	3.57374	15.86745	ug/L	09/29/10	20:24	
61337-2	Cu	9.48126	9.20131	9.76120	4.17558	ug/L	09/29/10	20:24	
61337-2	Fe	10.08970	22.97667	-2.79726	180.62890	ug/L	09/29/10	20:24	
61337-2	2Fe	0.01008	0.02297	-0.00279	180.63311	mg/L	09/29/10	20:24	
61337-2	K	199.38952	236.34939	162.42965	26.21459	ug/L	09/29/10	20:24	
61337-2	Mg	10.57794	9.06589	12.09000	20.21531	ug/L	09/29/10	20:24	
61337-2	2Mg	0.01057	0.00905	0.01208	20.24908	mg/L	09/29/10	20:24	
61337-2	Mn	0.57250	0.47864	0.66636	23.18480	ug/L	09/29/10	20:24	
61337-2	Mo	0.33351	1.76068	-1.09365	605.17596	ug/L	09/29/10	20:24	
61337-2	Na	1472.95507	1601.19213	1344.71801	12.31229	ug/L	09/29/10	20:24	
61337-2	Ni	-0.41263	0.31047	-1.13574	247.83174	ug/L	09/29/10	20:24	
61337-2	Pb	1.64618	0.94198	2.35038	60.49680	ug/L	09/29/10	20:24	
61337-2	Se	1.64655	5.68154	-2.38843	346.56192	ug/L	09/29/10	20:24	
61337-2	Sb	3.65090	6.33374	0.96806	103.92238	ug/L	09/29/10	20:24	
61337-2	Sn	12.87764	14.76041	10.99487	20.67644	ug/L	09/29/10	20:24	
61337-2	Sr	0.44820	0.39394	0.50247	17.12197	ug/L	09/29/10	20:24	
61337-2	Ti	3.44281	3.77086	3.11477	13.47516	ug/L	09/29/10	20:24	
61337-2	Tl	-0.32402	1.97797	-2.62602	1004.72058	ug/L	09/29/10	20:24	
61337-2	V	0.62898	1.51180	-0.25383	198.49389	ug/L	09/29/10	20:24	
61337-2	Zn	3.35349	2.75128	3.95569	25.39578	ug/L	09/29/10	20:24	
61337-2	2203/1	6.06767	15.35777	-3.22241	216.52728	ug/L	09/29/10	20:24	
61337-2	2203/2	-0.56124	-6.25509	5.13261	1434.73059	ug/L	09/29/10	20:24	
61337-2	1960/1	2.53326	10.86976	-5.80324	465.39193	ug/L	09/29/10	20:24	
61337-2	1960/2	1.20386	3.09132	-0.68358	221.72424	ug/L	09/29/10	20:24	
61337-2	Y	1089.49279	1089.84484	1089.14074	0.04569		09/29/10	20:24	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61337-3	Ag	1.42076	1.90271	0.93881	47.97300	ug/L	09/29/10	20:29	
61337-3	Al	758.03588	761.41870	754.65301	0.63111	ug/L	09/29/10	20:29	
61337-3	2Al	0.75807	0.76145	0.75469	0.63111	mg/L	09/29/10	20:29	
61337-3	As	-2.86149	-2.16732	-3.55565	34.30717	ug/L	09/29/10	20:29	
61337-3	B	15.30718	15.39924	15.21513	0.85044	ug/L	09/29/10	20:29	
61337-3	Ba	17.70311	17.81503	17.59120	0.89404	ug/L	09/29/10	20:29	
61337-3	Be	0.05776	0.07086	0.04467	32.06062	ug/L	09/29/10	20:29	
61337-3	Ca	324.56695	324.93289	324.20104	0.15944	ug/L	09/29/10	20:29	
61337-3	Cd	-0.07718	-0.01602	-0.13833	112.05675	ug/L	09/29/10	20:29	
61337-3	Co	-0.45292	-0.84026	-0.06557	120.94495	ug/L	09/29/10	20:29	
61337-3	Cr	6.09802	5.80644	6.38961	6.76223	ug/L	09/29/10	20:29	
61337-3	Cu	1.21665	1.15626	1.27704	7.01962	ug/L	09/29/10	20:29	
61337-3	Fe	145.54257	161.06077	130.02435	15.07879	ug/L	09/29/10	20:29	
61337-3	2Fe	0.14552	0.16104	0.13000	15.07872	mg/L	09/29/10	20:29	
61337-3	K	194.70275	214.57073	174.83479	14.43100	ug/L	09/29/10	20:29	
61337-3	Mg	47.35855	45.91719	48.79991	4.30417	ug/L	09/29/10	20:29	
61337-3	2Mg	0.04732	0.04587	0.04876	4.31463	mg/L	09/29/10	20:29	
61337-3	Mn	1.92444	1.88669	1.96218	2.77399	ug/L	09/29/10	20:29	
61337-3	Mo	2.10659	1.18480	3.02838	61.88233	ug/L	09/29/10	20:29	
61337-3	Na	341336.56250	341348.34375	341324.78125	0.00488	ug/L	09/29/10	20:29	
61337-3	Ni	1.28229	1.29166	1.27292	1.03334	ug/L	09/29/10	20:29	
61337-3	Pb	1.16049	2.65734	-0.33634	182.40950	ug/L	09/29/10	20:29	
61337-3	Se	1.25975	0.58119	1.93830	76.17521	ug/L	09/29/10	20:29	
61337-3	Sb	-0.04125	0.40273	-0.48524	1521.96972	ug/L	09/29/10	20:29	
61337-3	Sn	13.64121	14.47106	12.81137	8.60318	ug/L	09/29/10	20:29	
61337-3	Sr	6.43049	6.41929	6.44168	0.24616	ug/L	09/29/10	20:29	
61337-3	Ti	97.70007	97.68783	97.71231	0.01771	ug/L	09/29/10	20:29	
61337-3	Tl	2.73173	0.80153	4.66193	99.92608	ug/L	09/29/10	20:29	
61337-3	V	2.73470	3.27315	2.19625	27.84520	ug/L	09/29/10	20:29	
61337-3	Zn	7.83654	8.04177	7.63130	3.70372	ug/L	09/29/10	20:29	
61337-3	2203/1	8.47734	11.40864	5.54603	48.90080	ug/L	09/29/10	20:29	
61337-3	2203/2	-2.49244	-1.71175	-3.27313	44.29645	ug/L	09/29/10	20:29	
61337-3	1960/1	7.14802	7.87429	6.42175	14.36900	ug/L	09/29/10	20:29	
61337-3	1960/2	-1.67997	-3.05988	-0.30005	116.16209	ug/L	09/29/10	20:29	
61337-3	Y	1077.86791	1075.98474	1079.75122	0.24708		09/29/10	20:29	
PBW 181277	Ag	0.52378	0.47684	0.57072	12.67450	ug/L	09/29/10	20:35	
PBW 181277	Al	9.39494	10.77278	8.01709	20.74056	ug/L	09/29/10	20:35	
PBW 181277	2Al	0.00939	0.01077	0.00801	20.74048	mg/L	09/29/10	20:35	
PBW 181277	As	-2.30660	-2.77583	-1.83737	28.76913	ug/L	09/29/10	20:35	
PBW 181277	B	0.71650	1.17228	0.26073	89.95905	ug/L	09/29/10	20:35	
PBW 181277	Ba	0.16889	0.22565	0.11213	47.53011	ug/L	09/29/10	20:35	
PBW 181277	Be	0.02594	0.02789	0.02398	10.67745	ug/L	09/29/10	20:35	
PBW 181277	Ca	24.21472	24.96035	23.46910	4.35467	ug/L	09/29/10	20:35	
PBW 181277	Cd	-0.26116	-0.16736	-0.35496	50.79116	ug/L	09/29/10	20:35	
PBW 181277	Co	-0.49842	-0.56826	-0.42859	19.81364	ug/L	09/29/10	20:35	
PBW 181277	Cr	1.00082	0.96310	1.03854	5.32956	ug/L	09/29/10	20:35	
PBW 181277	Cu	3.65025	3.76464	3.53586	4.43185	ug/L	09/29/10	20:35	
PBW 181277	Fe	50.11110	50.81073	49.41147	1.97446	ug/L	09/29/10	20:35	
PBW 181277	2Fe	0.05010	0.05080	0.04940	1.97450	mg/L	09/29/10	20:35	
PBW 181277	K	28.40762	33.41626	23.39897	24.93447	ug/L	09/29/10	20:35	
PBW 181277	Mg	3.10169	6.18902	0.01436	140.76644	ug/L	09/29/10	20:35	
PBW 181277	2Mg	0.00309	0.00617	0.00000	141.14622	mg/L	09/29/10	20:35	
PBW 181277	Mn	0.78402	0.81604	0.75201	5.77448	ug/L	09/29/10	20:35	
PBW 181277	Mo	-0.63830	-0.60344	-0.67317	7.72441	ug/L	09/29/10	20:35	
PBW 181277	Na	636.32800	776.44342	496.21255	31.14009	ug/L	09/29/10	20:35	
PBW 181277	Ni	0.10877	0.30072	-0.08317	249.55247	ug/L	09/29/10	20:35	
PBW 181277	Pb	0.23847	1.46385	-0.98689	726.66619	ug/L	09/29/10	20:35	
PBW 181277	Se	-0.58160	-1.73450	0.57130	280.33895	ug/L	09/29/10	20:35	
PBW 181277	Sb	-1.35801	-2.52541	-0.19060	121.57170	ug/L	09/29/10	20:35	
PBW 181277	Sn	22.10969	22.80922	21.41017	4.47439	ug/L	09/29/10	20:35	
PBW 181277	Sr	-0.01577	-0.01894	-0.01261	28.36328	ug/L	09/29/10	20:35	
PBW 181277	Ti	0.14927	0.26797	0.03057	112.45385	ug/L	09/29/10	20:35	
PBW 181277	Tl	-3.14135	-6.47626	0.19354	150.13452	ug/L	09/29/10	20:35	
PBW 181277	V	0.36289	0.69784	0.02794	130.53260	ug/L	09/29/10	20:35	
PBW 181277	Zn	5.83646	5.72105	5.95186	2.79627	ug/L	09/29/10	20:35	
PBW 181277	2203/1	6.47479	8.95419	3.99539	54.15459	ug/L	09/29/10	20:35	
PBW 181277	2203/2	-2.87500	-2.27570	-3.47431	29.47977	ug/L	09/29/10	20:35	
PBW 181277	1960/1	1.12474	1.53290	0.71658	51.32036	ug/L	09/29/10	20:35	
PBW 181277	1960/2	-1.43349	-3.36576	0.49877	190.62745	ug/L	09/29/10	20:35	
PBW 181277	Y	1068.41674	1065.99682	1070.83679	0.32032		09/29/10	20:35	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	51.55841	52.15878	50.95805	1.64676	ug/L	09/29/10	20:41	
LCSW-1	Al	1992.77014	2008.98400	1976.55627	1.15065	ug/L	09/29/10	20:41	
LCSW-1	2Al	1.99276	2.00887	1.97664	1.14348	mg/L	09/29/10	20:41	
LCSW-1	As	2005.86572	2019.10729	1992.62402	0.93358	ug/L	09/29/10	20:41	
LCSW-1	B	1031.51928	1037.79296	1025.24548	0.86013	ug/L	09/29/10	20:41	
LCSW-1	Ba	2096.77612	2109.78344	2083.76879	0.87730	ug/L	09/29/10	20:41	
LCSW-1	Be	51.61115	51.94054	51.28175	0.90258	ug/L	09/29/10	20:41	
LCSW-1	Ca	5081.41601	5110.11230	5052.71972	0.79864	ug/L	09/29/10	20:41	
LCSW-1	Cd	51.91338	52.05247	51.77428	0.37892	ug/L	09/29/10	20:41	
LCSW-1	Co	517.45617	520.66955	514.24279	0.87822	ug/L	09/29/10	20:41	
LCSW-1	Cr	209.13215	210.20576	208.05854	0.72600	ug/L	09/29/10	20:41	
LCSW-1	Cu	255.45825	257.37380	253.54269	1.06045	ug/L	09/29/10	20:41	
LCSW-1	Fe	1046.13671	1046.48059	1045.79272	0.04649	ug/L	09/29/10	20:41	
LCSW-1	2Fe	1.04622	1.04656	1.04587	0.04667	mg/L	09/29/10	20:41	
LCSW-1	K	5053.57226	5079.63085	5027.51318	0.72924	ug/L	09/29/10	20:41	
LCSW-1	Mg	5069.39257	5097.50634	5041.27880	0.78429	ug/L	09/29/10	20:41	
LCSW-1	2Mg	5.06801	5.09612	5.03990	0.78432	mg/L	09/29/10	20:41	
LCSW-1	Mn	523.84997	527.27453	520.42541	0.92451	ug/L	09/29/10	20:41	
LCSW-1	Mo	521.02758	523.92443	518.13067	0.78629	ug/L	09/29/10	20:41	
LCSW-1	Na	5085.49023	5108.58642	5062.39453	0.64227	ug/L	09/29/10	20:41	
LCSW-1	Ni	513.45880	517.86651	509.05105	1.21401	ug/L	09/29/10	20:41	
LCSW-1	Pb	508.74414	513.02770	504.46057	1.19075	ug/L	09/29/10	20:41	
LCSW-1	Se	2044.45288	2059.82788	2029.07775	1.06354	ug/L	09/29/10	20:41	
LCSW-1	Sb	498.62164	499.72113	497.52218	0.31183	ug/L	09/29/10	20:41	
LCSW-1	Sn	1031.80981	1038.52587	1025.09362	0.92052	ug/L	09/29/10	20:41	
LCSW-1	Sr	541.40234	543.93023	538.87438	0.66032	ug/L	09/29/10	20:41	
LCSW-1	Ti	718.75506	723.06439	714.44573	0.84789	ug/L	09/29/10	20:41	
LCSW-1	Tl	2133.14892	2151.29833	2114.99975	1.20324	ug/L	09/29/10	20:41	
LCSW-1	V	506.21371	509.68093	502.74649	0.96864	ug/L	09/29/10	20:41	
LCSW-1	Zn	518.53912	520.94873	516.12951	0.65717	ug/L	09/29/10	20:41	
LCSW-1	2203/1	508.39306	513.32641	503.45971	1.37232	ug/L	09/29/10	20:41	
LCSW-1	2203/2	508.91940	512.87854	504.96026	1.10018	ug/L	09/29/10	20:41	
LCSW-1	1960/1	2021.95239	2029.74328	2014.16137	0.54492	ug/L	09/29/10	20:41	
LCSW-1	1960/2	2055.68554	2074.84692	2036.52429	1.31820	ug/L	09/29/10	20:41	
LCSW-1	Y	1082.68603	1077.65673	1087.71520	0.65692		09/29/10	20:41	
60164-1	Ag	1.07868	0.52273	1.63462	72.88744	ug/L	09/29/10	20:46	
60164-1	Al	8.20979	9.38441	7.03517	20.23390	ug/L	09/29/10	20:46	
60164-1	2Al	0.00821	0.00938	0.00703	20.23393	mg/L	09/29/10	20:46	
60164-1	As	-2.51075	-1.03106	-3.99043	83.34532	ug/L	09/29/10	20:46	
60164-1	B	45.50218	46.72602	44.27835	3.80369	ug/L	09/29/10	20:46	
60164-1	Ba	4.36960	4.35359	4.38562	0.51840	ug/L	09/29/10	20:46	
60164-1	Be	0.04599	0.04185	0.05013	12.72834	ug/L	09/29/10	20:46	
60164-1	Ca	11345.54296	11366.96875	11324.11816	0.26706	ug/L	09/29/10	20:46	
60164-1	Cd	-0.00460	0.08490	-0.09411	2748.88793	ug/L	09/29/10	20:46	
60164-1	Co	-0.38995	-0.13933	-0.64056	90.88809	ug/L	09/29/10	20:46	
60164-1	Cr	1.49528	1.74168	1.24888	23.30398	ug/L	09/29/10	20:46	
60164-1	Cu	-0.16275	-0.07312	-0.25238	77.87783	ug/L	09/29/10	20:46	
60164-1	Fe	1059.22729	1051.97241	1066.48205	0.96861	ug/L	09/29/10	20:46	
60164-1	2Fe	1.05909	1.05183	1.06634	0.96860	mg/L	09/29/10	20:46	
60164-1	K	1127.40405	1128.93640	1125.87158	0.19222	ug/L	09/29/10	20:46	
60164-1	Mg	1900.32678	1907.84667	1892.80688	0.55962	ug/L	09/29/10	20:46	
60164-1	2Mg	1.89963	1.90715	1.89211	0.55977	mg/L	09/29/10	20:46	
60164-1	Mn	70.41437	70.68582	70.14292	0.54519	ug/L	09/29/10	20:46	
60164-1	Mo	4.37312	4.48816	4.25808	3.72026	ug/L	09/29/10	20:46	
60164-1	Na	51187.55859	51108.74218	51266.37500	0.21775	ug/L	09/29/10	20:46	
60164-1	Ni	1.05901	1.08606	1.03197	3.61138	ug/L	09/29/10	20:46	
60164-1	Pb	1.48332	1.34147	1.62517	13.52424	ug/L	09/29/10	20:46	
60164-1	Se	2.55053	2.15072	2.95034	22.16853	ug/L	09/29/10	20:46	
60164-1	Sb	2.49145	1.19593	3.78697	73.53710	ug/L	09/29/10	20:46	
60164-1	Sn	30.99887	30.32366	31.67407	3.08036	ug/L	09/29/10	20:46	
60164-1	Sr	114.93399	115.15189	114.71609	0.26811	ug/L	09/29/10	20:46	
60164-1	Ti	0.35865	0.55418	0.16312	77.09829	ug/L	09/29/10	20:46	
60164-1	Tl	2.20239	0.53749	3.86729	106.90769	ug/L	09/29/10	20:46	
60164-1	V	1.21611	1.14085	1.29136	8.75172	ug/L	09/29/10	20:46	
60164-1	Zn	8.31130	8.44693	8.17567	2.30780	ug/L	09/29/10	20:46	
60164-1	2203/1	6.42865	5.40493	7.45238	22.52051	ug/L	09/29/10	20:46	
60164-1	2203/2	-0.98563	-0.68720	-1.28405	42.81876	ug/L	09/29/10	20:46	
60164-1	1960/1	1.22506	-0.08027	2.53040	150.68809	ug/L	09/29/10	20:46	
60164-1	1960/2	3.21227	3.26454	3.15999	2.30154	ug/L	09/29/10	20:46	
60164-1	Y	1065.36767	1064.61523	1066.11999	0.09987		09/29/10	20:46	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60164-1L	Ag	0.48185	0.57391	0.38979	27.01820	ug/L	09/29/10	20:51	
60164-1L	Al	3.94490	6.48221	1.40759	90.96025	ug/L	09/29/10	20:51	
60164-1L	2Al	0.00394	0.00648	0.00140	90.96017	mg/L	09/29/10	20:51	
60164-1L	As	-2.90360	-3.93950	-1.86771	50.45358	ug/L	09/29/10	20:51	
60164-1L	B	9.59403	10.40357	8.78449	11.93311	ug/L	09/29/10	20:51	
60164-1L	Ba	0.89814	0.94657	0.84970	7.62648	ug/L	09/29/10	20:51	
60164-1L	Be	0.02041	0.03260	0.00821	84.47483	ug/L	09/29/10	20:51	
60164-1L	Ca	2345.64379	2366.95996	2324.32763	1.28517	ug/L	09/29/10	20:51	
60164-1L	Cd	0.01204	0.08106	-0.05696	810.19079	ug/L	09/29/10	20:51	
60164-1L	Co	-0.49094	-0.56104	-0.42084	20.19383	ug/L	09/29/10	20:51	
60164-1L	Cr	-0.16228	0.05899	-0.38356	192.83184	ug/L	09/29/10	20:51	
60164-1L	Cu	-1.07213	-0.76720	-1.37706	40.22191	ug/L	09/29/10	20:51	
60164-1L	Fe	215.82360	229.45455	202.19265	8.93186	ug/L	09/29/10	20:51	
60164-1L	2Fe	0.21579	0.22942	0.20216	8.93189	mg/L	09/29/10	20:51	
60164-1L	K	227.98646	253.47601	202.49691	15.81131	ug/L	09/29/10	20:51	
60164-1L	Mg	395.81207	401.11520	390.50897	1.89477	ug/L	09/29/10	20:51	
60164-1L	2Mg	0.39566	0.40096	0.39036	1.89408	mg/L	09/29/10	20:51	
60164-1L	Mn	14.44268	14.54944	14.33591	1.04538	ug/L	09/29/10	20:51	
60164-1L	Mo	1.88313	1.25339	2.51287	47.29291	ug/L	09/29/10	20:51	
60164-1L	Na	10352.17089	10647.53222	10056.80957	4.03494	ug/L	09/29/10	20:51	
60164-1L	Ni	0.41973	0.21083	0.62863	70.38519	ug/L	09/29/10	20:51	
60164-1L	Pb	0.53504	0.50899	0.56109	6.88515	ug/L	09/29/10	20:51	
60164-1L	Se	1.88691	4.49666	-0.72283	195.59719	ug/L	09/29/10	20:51	
60164-1L	Sb	2.24985	3.58768	0.91202	84.09342	ug/L	09/29/10	20:51	
60164-1L	Sn	3.88797	2.62176	5.15417	46.05701	ug/L	09/29/10	20:51	
60164-1L	Sr	23.35313	23.60801	23.09824	1.54353	ug/L	09/29/10	20:51	
60164-1L	Ti	-0.02327	0.09525	-0.14180	720.27252	ug/L	09/29/10	20:51	
60164-1L	Tl	-2.25085	-4.20759	-0.29411	122.94238	ug/L	09/29/10	20:51	
60164-1L	V	0.58663	1.17388	-0.00062	141.57270	ug/L	09/29/10	20:51	
60164-1L	Zn	1.65570	1.55685	1.75456	8.44341	ug/L	09/29/10	20:51	
60164-1L	2203/1	5.32378	7.76891	2.87865	64.95261	ug/L	09/29/10	20:51	
60164-1L	2203/2	-1.85573	-3.11551	-0.59594	96.00568	ug/L	09/29/10	20:51	
60164-1L	1960/1	6.42767	9.43022	3.42513	66.06185	ug/L	09/29/10	20:51	
60164-1L	1960/2	-0.38006	2.03357	-2.79371	898.10107	ug/L	09/29/10	20:51	
60164-1L	Y	1081.16357	1083.31518	1079.01196	0.28144		09/29/10	20:51	
CCV	Ag	506.40374	507.42514	505.38232	0.28524	ug/L	09/29/10	20:56	
CCV	Al	4937.17041	4945.36523	4928.97558	0.23473	ug/L	09/29/10	20:56	
CCV	2Al	4.93686	4.94515	4.92856	0.23762	mg/L	09/29/10	20:56	
CCV	As	503.84185	504.45065	503.23303	0.17088	ug/L	09/29/10	20:56	
CCV	B	5084.64746	5092.38232	5076.91308	0.21512	ug/L	09/29/10	20:56	
CCV	Ba	5097.22851	5100.30859	5094.14892	0.08544	ug/L	09/29/10	20:56	
CCV	Be	513.35314	514.98187	511.72442	0.44868	ug/L	09/29/10	20:56	
CCV	Ca	5052.04833	5068.84082	5035.25585	0.47006	ug/L	09/29/10	20:56	
CCV	Cd	513.82391	514.46313	513.18469	0.17593	ug/L	09/29/10	20:56	
CCV	Co	509.91577	511.74014	508.09140	0.50597	ug/L	09/29/10	20:56	
CCV	Cr	5115.14843	5134.75146	5095.54541	0.54197	ug/L	09/29/10	20:56	
CCV	Cu	5048.86816	5052.94531	5044.79052	0.11420	ug/L	09/29/10	20:56	
CCV	Fe	4971.19873	4997.32080	4945.07666	0.74312	ug/L	09/29/10	20:56	
CCV	2Fe	4.97120	4.99732	4.94508	0.74306	mg/L	09/29/10	20:56	
CCV	K	10166.33398	10185.75878	10146.90820	0.27022	ug/L	09/29/10	20:56	
CCV	Mg	5050.60156	5065.47998	5035.72363	0.41660	ug/L	09/29/10	20:56	
CCV	2Mg	5.05065	5.06553	5.03577	0.41656	mg/L	09/29/10	20:56	
CCV	Mn	5136.40625	5152.41699	5120.39550	0.44082	ug/L	09/29/10	20:56	
CCV	Mo	510.02340	511.43536	508.61145	0.39151	ug/L	09/29/10	20:56	
CCV	Na	7781.48339	7879.87207	7683.09423	1.78812	ug/L	09/29/10	20:56	
CCV	Ni	2541.20019	2546.06640	2536.33374	0.27081	ug/L	09/29/10	20:56	
CCV	Pb	510.41198	513.12567	507.69830	0.75188	ug/L	09/29/10	20:56	
CCV	Se	5082.12304	5101.62939	5062.61669	0.54280	ug/L	09/29/10	20:56	
CCV	Sb	495.50164	494.90637	496.09692	0.16989	ug/L	09/29/10	20:56	
CCV	Sn	5098.19726	5113.70068	5082.69335	0.43006	ug/L	09/29/10	20:56	
CCV	Sr	2596.63867	2602.45239	2590.82470	0.31664	ug/L	09/29/10	20:56	
CCV	Ti	505.27081	506.48281	504.05880	0.33923	ug/L	09/29/10	20:56	
CCV	Tl	5143.33642	5173.49951	5113.17333	0.82936	ug/L	09/29/10	20:56	
CCV	V	5043.57617	5051.96044	5035.19238	0.23508	ug/L	09/29/10	20:56	
CCV	Zn	2549.23242	2558.06738	2540.39770	0.49012	ug/L	09/29/10	20:56	
CCV	2203/1	510.53393	510.79046	510.27743	0.07105	ug/L	09/29/10	20:56	
CCV	2203/2	510.34698	514.28741	506.40655	1.09192	ug/L	09/29/10	20:56	
CCV	1960/1	5050.00097	5060.59912	5039.40283	0.29679	ug/L	09/29/10	20:56	
CCV	1960/2	5098.16015	5122.11376	5074.20605	0.66447	ug/L	09/29/10	20:56	
CCV	Y	1080.93041	1078.40478	1083.45605	0.33043		09/29/10	20:56	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.89264	1.66170	0.12357	121.84353	ug/L	09/29/10	21:01	
CCB	Al	0.96304	2.97513	-1.04905	295.47302	ug/L	09/29/10	21:01	
CCB	2Al	0.00096	0.00297	-0.00104	295.48104	mg/L	09/29/10	21:01	
CCB	As	0.18157	0.47471	-0.11157	228.31890	ug/L	09/29/10	21:01	
CCB	B	9.36857	11.13386	7.60329	26.64749	ug/L	09/29/10	21:01	
CCB	Ba	2.22556	3.20148	1.24964	62.01385	ug/L	09/29/10	21:01	
CCB	Be	0.23350	0.32950	0.13751	58.13924	ug/L	09/29/10	21:01	
CCB	Ca	0.24507	1.09936	-0.60921	492.96908	ug/L	09/29/10	21:01	
CCB	Cd	0.42151	0.29709	0.54593	41.74505	ug/L	09/29/10	21:01	
CCB	Co	-0.42452	0.09283	-0.94187	172.34715	ug/L	09/29/10	21:01	
CCB	Cr	1.81165	2.96852	0.65477	90.30787	ug/L	09/29/10	21:01	
CCB	Cu	0.67002	1.60126	-0.26121	196.55503	ug/L	09/29/10	21:01	
CCB	Fe	11.72817	10.58434	12.87199	13.79254	ug/L	09/29/10	21:01	
CCB	2Fe	0.01172	0.01058	0.01287	13.78996	mg/L	09/29/10	21:01	
CCB	K	29.61041	26.05097	33.16985	17.00013	ug/L	09/29/10	21:01	
CCB	Mg	-1.49021	3.03995	-6.02037	429.91342	ug/L	09/29/10	21:01	
CCB	2Mg	-0.00149	0.00303	-0.00602	429.64617	mg/L	09/29/10	21:01	
CCB	Mn	2.00445	3.00465	1.00424	70.56832	ug/L	09/29/10	21:01	
CCB	Mo	1.17439	1.68587	0.66292	61.59171	ug/L	09/29/10	21:01	
CCB	Na	331.50390	107.29181	555.71600	95.65008	ug/L	09/29/10	21:01	
CCB	Ni	0.53808	0.50987	0.56630	7.41462	ug/L	09/29/10	21:01	
CCB	Pb	1.02782	-0.37303	2.42868	192.74838	ug/L	09/29/10	21:01	
CCB	Se	4.63233	6.04665	3.21801	43.17803	ug/L	09/29/10	21:01	
CCB	Sb	3.59159	2.14948	5.03371	56.78414	ug/L	09/29/10	21:01	
CCB	Sn	1.98024	4.13035	-0.16987	153.55294	ug/L	09/29/10	21:01	
CCB	Sr	0.99701	1.51176	0.48226	73.01493	ug/L	09/29/10	21:01	
CCB	Ti	0.35357	0.62909	0.07805	110.19985	ug/L	09/29/10	21:01	
CCB	Tl	6.09723	7.13576	5.05869	24.08811	ug/L	09/29/10	21:01	
CCB	V	2.63682	3.07165	2.20199	23.32117	ug/L	09/29/10	21:01	
CCB	Zn	0.69479	1.42225	-0.03265	148.06803	ug/L	09/29/10	21:01	
CCB	2203/1	7.53018	9.66604	5.39432	40.11263	ug/L	09/29/10	21:01	
CCB	2203/2	-2.21848	-5.38504	0.94808	201.85864	ug/L	09/29/10	21:01	
CCB	1960/1	12.65307	17.60501	7.70113	55.34698	ug/L	09/29/10	21:01	
CCB	1960/2	0.62797	0.27613	0.97981	79.23470	ug/L	09/29/10	21:01	
CCB	Y	1091.34521	1091.28796	1091.40234	0.00741		09/29/10	21:01	
60164-1A	Ag	40.39053	40.34126	40.43980	0.17250	ug/L	09/29/10	21:06	
60164-1A	Al	1889.37451	1889.98596	1888.76306	0.04576	ug/L	09/29/10	21:06	
60164-1A	2Al	1.88936	1.89007	1.88864	0.05341	mg/L	09/29/10	21:06	
60164-1A	As	1889.48815	1889.76171	1889.21459	0.02047	ug/L	09/29/10	21:06	
60164-1A	B	958.83715	956.96063	960.71368	0.27677	ug/L	09/29/10	21:06	
60164-1A	Ba	1999.01538	1998.25585	1999.77490	0.05373	ug/L	09/29/10	21:06	
60164-1A	Be	49.36613	49.26471	49.46755	0.29054	ug/L	09/29/10	21:06	
60164-1A	Ca	15752.77929	15746.93945	15758.61914	0.05242	ug/L	09/29/10	21:06	
60164-1A	Cd	48.96142	49.09275	48.83010	0.37931	ug/L	09/29/10	21:06	
60164-1A	Co	490.53930	490.47949	490.59915	0.01724	ug/L	09/29/10	21:06	
60164-1A	Cr	199.28404	199.50407	199.06401	0.15614	ug/L	09/29/10	21:06	
60164-1A	Cu	249.77752	249.86175	249.69329	0.04768	ug/L	09/29/10	21:06	
60164-1A	Fe	1973.05664	1978.16711	1967.94616	0.36629	ug/L	09/29/10	21:06	
60164-1A	2Fe	1.97301	1.97812	1.96790	0.36625	mg/L	09/29/10	21:06	
60164-1A	K	5976.59667	6011.46582	5941.72705	0.82509	ug/L	09/29/10	21:06	
60164-1A	Mg	6522.18554	6511.46728	6532.90380	0.23240	ug/L	09/29/10	21:06	
60164-1A	2Mg	6.52025	6.50954	6.53097	0.23242	mg/L	09/29/10	21:06	
60164-1A	Mn	565.08819	564.85491	565.32147	0.05838	ug/L	09/29/10	21:06	
60164-1A	Mo	467.40982	467.69134	467.12829	0.08517	ug/L	09/29/10	21:06	
60164-1A	Na	55123.00781	55464.89843	54781.12109	0.87713	ug/L	09/29/10	21:06	
60164-1A	Ni	486.13055	484.94165	487.31948	0.34587	ug/L	09/29/10	21:06	
60164-1A	Pb	483.00741	480.60693	485.40789	0.70284	ug/L	09/29/10	21:06	
60164-1A	Se	1920.93505	1922.96472	1918.90539	0.14942	ug/L	09/29/10	21:06	
60164-1A	Sb	470.22866	470.94625	469.51107	0.21581	ug/L	09/29/10	21:06	
60164-1A	Sn	968.93505	967.32147	970.54870	0.23551	ug/L	09/29/10	21:06	
60164-1A	Sr	608.34545	609.02789	607.66308	0.15863	ug/L	09/29/10	21:06	
60164-1A	Ti	933.54455	933.26336	933.82574	0.04259	ug/L	09/29/10	21:06	
60164-1A	Tl	2013.71850	2013.12329	2014.31359	0.04179	ug/L	09/29/10	21:06	
60164-1A	V	484.35806	484.03201	484.68411	0.09519	ug/L	09/29/10	21:06	
60164-1A	Zn	498.49130	498.03924	498.94335	0.12824	ug/L	09/29/10	21:06	
60164-1A	2203/1	482.41189	480.52719	484.29660	0.55251	ug/L	09/29/10	21:06	
60164-1A	2203/2	483.30471	480.64672	485.96270	0.77776	ug/L	09/29/10	21:06	
60164-1A	1960/1	1897.30859	1897.36071	1897.25646	0.00388	ug/L	09/29/10	21:06	
60164-1A	1960/2	1932.72998	1935.74694	1929.71301	0.22075	ug/L	09/29/10	21:06	
60164-1A	Y	1070.62561	1067.58959	1073.66162	0.40103		09/29/10	21:06	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60164-1S	Ag	84.64424	84.16493	85.12355	0.80081	ug/L	09/29/10	21:12	
60164-1S	Al	3262.49462	3240.85888	3284.13012	0.93785	ug/L	09/29/10	21:12	
60164-1S	2Al	3.26244	3.24080	3.28408	0.93787	mg/L	09/29/10	21:12	
60164-1S	As	3255.66992	3238.76025	3272.57958	0.73453	ug/L	09/29/10	21:12	
60164-1S	B	1712.13549	1703.98693	1720.28405	0.67306	ug/L	09/29/10	21:12	
60164-1S	Ba	3411.32373	3391.07641	3431.57080	0.83937	ug/L	09/29/10	21:12	
60164-1S	Be	85.14784	84.80943	85.48624	0.56205	ug/L	09/29/10	21:12	
60164-1S	Ca	17855.53515	17765.81835	17945.25390	0.71059	ug/L	09/29/10	21:12	
60164-1S	Cd	84.66072	84.44537	84.87606	0.35972	ug/L	09/29/10	21:12	
60164-1S	Co	845.07275	840.03088	850.11456	0.84374	ug/L	09/29/10	21:12	
60164-1S	Cr	340.42315	339.18261	341.66372	0.51536	ug/L	09/29/10	21:12	
60164-1S	Cu	424.62799	422.61965	426.63632	0.66887	ug/L	09/29/10	21:12	
60164-1S	Fe	2514.81689	2506.19042	2523.44335	0.48511	ug/L	09/29/10	21:12	
60164-1S	2Fe	2.51485	2.50622	2.52347	0.48517	mg/L	09/29/10	21:12	
60164-1S	K	9376.85839	9307.95800	9445.75878	1.03915	ug/L	09/29/10	21:12	
60164-1S	Mg	9913.98242	9857.08203	9970.88183	0.81166	ug/L	09/29/10	21:12	
60164-1S	2Mg	9.91115	9.85427	9.96804	0.81168	mg/L	09/29/10	21:12	
60164-1S	Mn	911.12927	906.72467	915.53387	0.68366	ug/L	09/29/10	21:12	
60164-1S	Mo	850.06213	845.99432	854.12988	0.67673	ug/L	09/29/10	21:12	
60164-1S	Na	51403.01953	51098.31250	51707.72656	0.83831	ug/L	09/29/10	21:12	
60164-1S	Ni	839.16076	836.07806	842.24340	0.51951	ug/L	09/29/10	21:12	
60164-1S	Pb	824.93432	822.38867	827.47991	0.43640	ug/L	09/29/10	21:12	
60164-1S	Se	3300.40234	3285.30810	3315.49658	0.64678	ug/L	09/29/10	21:12	
60164-1S	Sb	819.29522	816.02014	822.57031	0.56532	ug/L	09/29/10	21:12	
60164-1S	Sn	1688.89111	1684.35937	1693.42297	0.37947	ug/L	09/29/10	21:12	
60164-1S	Sr	970.19311	966.85937	973.52679	0.48594	ug/L	09/29/10	21:12	
60164-1S	Ti	1172.45312	1165.89135	1179.01501	0.79148	ug/L	09/29/10	21:12	
60164-1S	Tl	3467.83203	3452.47338	3483.19067	0.62633	ug/L	09/29/10	21:12	
60164-1S	V	828.27557	823.24212	833.30902	0.85942	ug/L	09/29/10	21:12	
60164-1S	Zn	857.81750	853.54028	862.09466	0.70514	ug/L	09/29/10	21:12	
60164-1S	2203/1	829.91186	827.44165	832.38208	0.42093	ug/L	09/29/10	21:12	
60164-1S	2203/2	822.44921	819.86590	825.03253	0.44420	ug/L	09/29/10	21:12	
60164-1S	1960/1	3287.05493	3265.79394	3308.31591	0.91472	ug/L	09/29/10	21:12	
60164-1S	1960/2	3307.06494	3295.04931	3319.08032	0.51382	ug/L	09/29/10	21:12	
60164-1S	Y	1076.75488	1081.44079	1072.06884	0.61545		09/29/10	21:12	
60164-1SD	Ag	101.22927	100.61209	101.84647	0.86224	ug/L	09/29/10	21:17	
60164-1SD	Al	3966.96337	3964.43481	3969.49218	0.09014	ug/L	09/29/10	21:17	
60164-1SD	2Al	3.96683	3.96420	3.96947	0.09382	mg/L	09/29/10	21:17	
60164-1SD	As	3922.68579	3919.76855	3925.60302	0.10517	ug/L	09/29/10	21:17	
60164-1SD	B	2060.73535	2064.33471	2057.13574	0.24702	ug/L	09/29/10	21:17	
60164-1SD	Ba	4151.12695	4154.67480	4147.57861	0.12087	ug/L	09/29/10	21:17	
60164-1SD	Be	102.54322	102.70516	102.38127	0.22334	ug/L	09/29/10	21:17	
60164-1SD	Ca	21472.11914	21455.01171	21489.22656	0.11267	ug/L	09/29/10	21:17	
60164-1SD	Cd	101.84773	101.80893	101.88652	0.05386	ug/L	09/29/10	21:17	
60164-1SD	Co	1016.63214	1016.60937	1016.65490	0.00316	ug/L	09/29/10	21:17	
60164-1SD	Cr	412.00384	412.20361	411.80404	0.06857	ug/L	09/29/10	21:17	
60164-1SD	Cu	521.62231	522.31054	520.93414	0.18658	ug/L	09/29/10	21:17	
60164-1SD	Fe	3035.21191	3020.82568	3049.59814	0.67030	ug/L	09/29/10	21:17	
60164-1SD	2Fe	3.03525	3.02086	3.04963	0.67021	mg/L	09/29/10	21:17	
60164-1SD	K	11374.61718	11367.43847	11381.79589	0.08925	ug/L	09/29/10	21:17	
60164-1SD	Mg	11898.96679	11882.68554	11915.24902	0.19351	ug/L	09/29/10	21:17	
60164-1SD	2Mg	11.89557	11.87930	11.91185	0.19347	mg/L	09/29/10	21:17	
60164-1SD	Mn	1099.17529	1099.96484	1098.38586	0.10157	ug/L	09/29/10	21:17	
60164-1SD	Mo	1026.47167	1023.12060	1029.82275	0.46169	ug/L	09/29/10	21:17	
60164-1SD	Na	62700.91406	62577.00000	62824.82812	0.27948	ug/L	09/29/10	21:17	
60164-1SD	Ni	1008.25286	1008.19421	1008.31152	0.00822	ug/L	09/29/10	21:17	
60164-1SD	Pb	992.41296	986.57385	998.25213	0.83209	ug/L	09/29/10	21:17	
60164-1SD	Se	3950.82714	3923.07348	3978.58081	0.99345	ug/L	09/29/10	21:17	
60164-1SD	Sb	985.27075	986.30798	984.23352	0.14887	ug/L	09/29/10	21:17	
60164-1SD	Sn	2028.18627	2030.59326	2025.77917	0.16783	ug/L	09/29/10	21:17	
60164-1SD	Sr	1177.90612	1180.56835	1175.24389	0.31963	ug/L	09/29/10	21:17	
60164-1SD	Ti	1422.88867	1423.60217	1422.17517	0.07091	ug/L	09/29/10	21:17	
60164-1SD	Tl	4182.58496	4182.08300	4183.08642	0.01696	ug/L	09/29/10	21:17	
60164-1SD	V	1003.31109	1003.78125	1002.84094	0.06627	ug/L	09/29/10	21:17	
60164-1SD	Zn	1023.05358	1022.44079	1023.66638	0.08470	ug/L	09/29/10	21:17	
60164-1SD	2203/1	991.37200	984.61566	998.12835	0.96380	ug/L	09/29/10	21:17	
60164-1SD	2203/2	992.93267	987.55145	998.31390	0.76643	ug/L	09/29/10	21:17	
60164-1SD	1960/1	3936.33007	3926.75244	3945.90747	0.34409	ug/L	09/29/10	21:17	
60164-1SD	1960/2	3958.06347	3921.23559	3994.89160	1.31586	ug/L	09/29/10	21:17	
60164-1SD	Y	1055.00561	1057.55761	1052.45361	0.34209		09/29/10	21:17	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
60164-5	Ag	1.12251	1.16901	1.07600	5.85900	ug/L	09/29/10	21:22	
60164-5	Al	12.54724	13.24747	11.84701	7.89236	ug/L	09/29/10	21:22	
60164-5	2Al	0.01254	0.01324	0.01184	7.89236	mg/L	09/29/10	21:22	
60164-5	As	-0.05128	0.27297	-0.37553	894.20587	ug/L	09/29/10	21:22	
60164-5	B	54.18181	54.49898	53.86463	0.82786	ug/L	09/29/10	21:22	
60164-5	Ba	1.82076	1.75591	1.88562	5.03759	ug/L	09/29/10	21:22	
60164-5	Be	0.04789	0.05690	0.03888	26.60808	ug/L	09/29/10	21:22	
60164-5	Ca	3712.24169	3711.84350	3712.63964	0.01516	ug/L	09/29/10	21:22	
60164-5	Cd	0.52828	0.49092	0.56565	10.00283	ug/L	09/29/10	21:22	
60164-5	Co	-0.68671	-0.63483	-0.73859	10.68425	ug/L	09/29/10	21:22	
60164-5	Cr	1.71826	1.84442	1.59211	10.38341	ug/L	09/29/10	21:22	
60164-5	Cu	129.67636	129.41435	129.93836	0.28573	ug/L	09/29/10	21:22	
60164-5	Fe	1261.00268	1260.67224	1261.33312	0.03705	ug/L	09/29/10	21:22	
60164-5	2Fe	1.26084	1.26051	1.26117	0.03705	mg/L	09/29/10	21:22	
60164-5	K	373.43170	367.51260	379.35083	2.24161	ug/L	09/29/10	21:22	
60164-5	Mg	127.03582	125.81478	128.25686	1.35930	ug/L	09/29/10	21:22	
60164-5	2Mg	0.12677	0.12555	0.12800	1.36161	mg/L	09/29/10	21:22	
60164-5	Mn	3.00388	3.00562	3.00215	0.08169	ug/L	09/29/10	21:22	
60164-5	Mo	131.10852	130.46209	131.75492	0.69726	ug/L	09/29/10	21:22	
60164-5	Na	2540.47167	2367.99975	2712.94335	9.60105	ug/L	09/29/10	21:22	
60164-5	Ni	0.74789	0.38739	1.10840	68.16818	ug/L	09/29/10	21:22	
60164-5	Pb	27.31215	28.16381	26.46049	4.40987	ug/L	09/29/10	21:22	
60164-5	Se	0.66094	0.23881	1.08307	90.32267	ug/L	09/29/10	21:22	
60164-5	Sb	3.38578	5.09520	1.67636	71.40089	ug/L	09/29/10	21:22	
60164-5	Sn	22.37682	19.31659	25.43704	19.34060	ug/L	09/29/10	21:22	
60164-5	Sr	2.07652	2.09133	2.06172	1.00824	ug/L	09/29/10	21:22	
60164-5	Ti	2.56389	2.75179	2.37599	10.36450	ug/L	09/29/10	21:22	
60164-5	Tl	5.48577	6.98681	3.98474	38.69616	ug/L	09/29/10	21:22	
60164-5	V	0.64832	0.77669	0.51995	28.00194	ug/L	09/29/10	21:22	
60164-5	Zn	3299.00878	3297.81152	3300.20605	0.05132	ug/L	09/29/10	21:22	
60164-5	2203/1	37.55339	37.98422	37.12255	1.62248	ug/L	09/29/10	21:22	
60164-5	2203/2	22.19923	23.26099	21.13747	6.76397	ug/L	09/29/10	21:22	
60164-5	1960/1	3.21046	1.44579	4.97513	77.73388	ug/L	09/29/10	21:22	
60164-5	1960/2	-0.61190	-0.36377	-0.86003	57.34750	ug/L	09/29/10	21:22	
60164-5	Y	1077.04956	1074.44482	1079.65441	0.34202		09/29/10	21:22	
61453-1	Ag	1.91623	1.73081	2.10165	13.68420	ug/L	09/29/10	21:27	
61453-1	Al	3.62280	3.09424	4.15136	20.63304	ug/L	09/29/10	21:27	
61453-1	2Al	0.00362	0.00309	0.00415	20.63290	mg/L	09/29/10	21:27	
61453-1	As	1.49170	0.57013	2.41327	87.36948	ug/L	09/29/10	21:27	
61453-1	B	1387.55920	1389.26293	1385.85546	0.17364	ug/L	09/29/10	21:27	
61453-1	Ba	0.30830	0.27663	0.33996	14.52457	ug/L	09/29/10	21:27	
61453-1	Be	0.03999	0.03246	0.04753	26.63743	ug/L	09/29/10	21:27	
61453-1	Ca	60.22087	60.27029	60.17144	0.11607	ug/L	09/29/10	21:27	
61453-1	Cd	3.79578	3.74645	3.84510	1.83777	ug/L	09/29/10	21:27	
61453-1	Co	-0.06377	-0.19971	0.07217	301.46878	ug/L	09/29/10	21:27	
61453-1	Cr	1.74624	1.70619	1.78629	3.24374	ug/L	09/29/10	21:27	
61453-1	Cu	8.80958	8.34020	9.27896	7.53501	ug/L	09/29/10	21:27	
61453-1	Fe	49.83091	45.28777	54.37406	12.89355	ug/L	09/29/10	21:27	
61453-1	2Fe	0.04982	0.04528	0.05436	12.89366	mg/L	09/29/10	21:27	
61453-1	K	63.07985	50.78149	75.37821	27.57220	ug/L	09/29/10	21:27	
61453-1	Mg	7.75553	6.20907	9.30198	28.19939	ug/L	09/29/10	21:27	
61453-1	2Mg	0.00774	0.00619	0.00929	28.21635	mg/L	09/29/10	21:27	
61453-1	Mn	0.41694	0.37515	0.45874	14.17599	ug/L	09/29/10	21:27	
61453-1	Mo	0.44443	1.94564	-1.05677	477.69168	ug/L	09/29/10	21:27	
61453-1	Na	571.45043	431.61550	711.28533	34.60605	ug/L	09/29/10	21:27	
61453-1	Ni	0.25311	0.16794	0.33828	47.58641	ug/L	09/29/10	21:27	
61453-1	Pb	2.68271	1.82376	3.54167	45.28054	ug/L	09/29/10	21:27	
61453-1	Se	2.70622	0.99594	4.41651	89.37561	ug/L	09/29/10	21:27	
61453-1	Sb	2.42945	1.68577	3.17312	43.29014	ug/L	09/29/10	21:27	
61453-1	Sn	26.60167	27.05549	26.14784	2.41265	ug/L	09/29/10	21:27	
61453-1	Sr	0.06603	0.06608	0.06598	0.11466	ug/L	09/29/10	21:27	
61453-1	Ti	0.35514	0.24630	0.46399	43.34117	ug/L	09/29/10	21:27	
61453-1	Tl	2.27641	0.37641	4.17641	118.03667	ug/L	09/29/10	21:27	
61453-1	V	1.63820	1.58715	1.68925	4.40667	ug/L	09/29/10	21:27	
61453-1	Zn	27.62443	27.47495	27.77392	0.76529	ug/L	09/29/10	21:27	
61453-1	2203/1	7.89807	5.33053	10.46561	45.97387	ug/L	09/29/10	21:27	
61453-1	2203/2	0.07895	0.07300	0.08489	10.65295	ug/L	09/29/10	21:27	
61453-1	1960/1	3.53518	0.77673	6.29362	110.34870	ug/L	09/29/10	21:27	
61453-1	1960/2	2.29237	1.10538	3.47936	73.22801	ug/L	09/29/10	21:27	
61453-1	Y	1062.29199	1061.80798	1062.77600	0.06443		09/29/10	21:27	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61453-2	Ag	1.05900	1.45951	0.65849	53.48519	ug/L	09/29/10	21:32	
61453-2	Al	6.70369	5.79770	7.60968	19.11279	ug/L	09/29/10	21:32	
61453-2	2Al	0.00670	0.00579	0.00761	19.11271	mg/L	09/29/10	21:32	
61453-2	As	1.21352	1.82465	0.60239	71.21990	ug/L	09/29/10	21:32	
61453-2	B	3368.89550	3358.35620	3379.43505	0.44242	ug/L	09/29/10	21:32	
61453-2	Ba	0.95405	0.90792	1.00017	6.83723	ug/L	09/29/10	21:32	
61453-2	Be	0.05555	0.03046	0.08064	63.86724	ug/L	09/29/10	21:32	
61453-2	Ca	147.04235	145.59117	148.49353	1.39570	ug/L	09/29/10	21:32	
61453-2	Cd	0.17843	0.17212	0.18475	5.00114	ug/L	09/29/10	21:32	
61453-2	Co	-0.60748	-0.54002	-0.67494	15.70383	ug/L	09/29/10	21:32	
61453-2	Cr	1.83842	1.89790	1.77894	4.57544	ug/L	09/29/10	21:32	
61453-2	Cu	12.88933	13.02467	12.75400	1.48493	ug/L	09/29/10	21:32	
61453-2	Fe	57.60367	59.84138	55.36597	5.49372	ug/L	09/29/10	21:32	
61453-2	2Fe	0.05759	0.05983	0.05535	5.49383	mg/L	09/29/10	21:32	
61453-2	K	65.52486	69.05147	61.99825	7.61143	ug/L	09/29/10	21:32	
61453-2	Mg	42.44660	40.81803	44.07517	5.42597	ug/L	09/29/10	21:32	
61453-2	2Mg	0.04242	0.04079	0.04405	5.42846	mg/L	09/29/10	21:32	
61453-2	Mn	0.79076	0.84436	0.73715	9.58699	ug/L	09/29/10	21:32	
61453-2	Mo	2.19756	0.51980	3.87533	107.97035	ug/L	09/29/10	21:32	
61453-2	Na	966.03698	1065.22546	866.84851	14.52052	ug/L	09/29/10	21:32	
61453-2	Ni	0.58038	0.26912	0.89165	75.84498	ug/L	09/29/10	21:32	
61453-2	Pb	2.22780	0.93855	3.51705	81.84180	ug/L	09/29/10	21:32	
61453-2	Se	0.36256	-1.72878	2.45391	815.73706	ug/L	09/29/10	21:32	
61453-2	Sb	3.95157	5.78660	2.11653	65.67347	ug/L	09/29/10	21:32	
61453-2	Sn	27.88900	25.53774	30.24026	11.92292	ug/L	09/29/10	21:32	
61453-2	Sr	0.13065	0.14033	0.12096	10.48427	ug/L	09/29/10	21:32	
61453-2	Ti	0.22405	0.17998	0.26812	27.81706	ug/L	09/29/10	21:32	
61453-2	Tl	-2.99622	-4.46990	-1.52254	69.55756	ug/L	09/29/10	21:32	
61453-2	V	1.87111	2.07899	1.66323	15.71213	ug/L	09/29/10	21:32	
61453-2	Zn	81.73786	81.69188	81.78385	0.07956	ug/L	09/29/10	21:32	
61453-2	2203/1	10.10309	10.78561	9.42056	9.55388	ug/L	09/29/10	21:32	
61453-2	2203/2	-1.70393	-3.97759	0.56972	188.70693	ug/L	09/29/10	21:32	
61453-2	1960/1	3.40002	5.29219	1.50785	78.70345	ug/L	09/29/10	21:32	
61453-2	1960/2	-1.15388	-5.23400	2.92624	500.06619	ug/L	09/29/10	21:32	
61453-2	Y	1047.04589	1048.47595	1045.61596	0.19314		09/29/10	21:32	
61453-3	Ag	1.51276	1.30676	1.71877	19.25823	ug/L	09/29/10	21:38	
61453-3	Al	6.28010	6.02428	6.53592	5.76074	ug/L	09/29/10	21:38	
61453-3	2Al	0.00628	0.00602	0.00653	5.76075	mg/L	09/29/10	21:38	
61453-3	As	1.78719	1.63116	1.94323	12.34704	ug/L	09/29/10	21:38	
61453-3	B	13.35787	15.03927	11.67646	17.80125	ug/L	09/29/10	21:38	
61453-3	Ba	2.65039	2.72139	2.57940	3.78830	ug/L	09/29/10	21:38	
61453-3	Be	0.11757	0.11339	0.12175	5.02814	ug/L	09/29/10	21:38	
61453-3	Ca	36.68921	37.04891	36.32950	1.38650	ug/L	09/29/10	21:38	
61453-3	Cd	0.19245	0.31836	0.06653	92.52503	ug/L	09/29/10	21:38	
61453-3	Co	0.20985	0.31988	0.09982	74.14682	ug/L	09/29/10	21:38	
61453-3	Cr	1.57921	1.47978	1.67864	8.90395	ug/L	09/29/10	21:38	
61453-3	Cu	7.07088	6.74389	7.39786	6.53992	ug/L	09/29/10	21:38	
61453-3	Fe	38.99740	42.42876	35.56604	12.44357	ug/L	09/29/10	21:38	
61453-3	2Fe	0.03899	0.04242	0.03556	12.44393	mg/L	09/29/10	21:38	
61453-3	K	57.12100	71.01945	43.22256	34.41005	ug/L	09/29/10	21:38	
61453-3	Mg	13.78169	12.26385	15.29953	15.57537	ug/L	09/29/10	21:38	
61453-3	2Mg	0.01377	0.01225	0.01528	15.58887	mg/L	09/29/10	21:38	
61453-3	Mn	1.14567	1.11719	1.17415	3.51573	ug/L	09/29/10	21:38	
61453-3	Mo	1.77788	1.48247	2.07330	23.49876	ug/L	09/29/10	21:38	
61453-3	Na	772.17755	935.28271	609.07238	29.87208	ug/L	09/29/10	21:38	
61453-3	Ni	0.14536	-0.39141	0.68215	522.20294	ug/L	09/29/10	21:38	
61453-3	Pb	2.42273	1.60280	3.24266	47.86164	ug/L	09/29/10	21:38	
61453-3	Se	1.07413	2.49281	-0.34454	186.78387	ug/L	09/29/10	21:38	
61453-3	Sb	1.22133	1.90065	0.54202	78.65929	ug/L	09/29/10	21:38	
61453-3	Sn	25.37924	24.96593	25.79254	2.30308	ug/L	09/29/10	21:38	
61453-3	Sr	0.67061	0.64542	0.69580	5.31148	ug/L	09/29/10	21:38	
61453-3	Ti	1.03190	1.12927	0.93453	13.34426	ug/L	09/29/10	21:38	
61453-3	Tl	-0.05725	1.13245	-1.24697	2938.52416	ug/L	09/29/10	21:38	
61453-3	V	1.67360	2.49299	0.85421	69.23931	ug/L	09/29/10	21:38	
61453-3	Zn	6.11763	5.99466	6.24061	2.84274	ug/L	09/29/10	21:38	
61453-3	2203/1	9.07482	6.78994	11.35970	35.60741	ug/L	09/29/10	21:38	
61453-3	2203/2	-0.89832	-0.98688	-0.80976	13.94129	ug/L	09/29/10	21:38	
61453-3	1960/1	3.69328	7.60000	-0.21342	149.59370	ug/L	09/29/10	21:38	
61453-3	1960/2	-0.23347	-0.05695	-0.41000	106.92312	ug/L	09/29/10	21:38	
61453-3	Y	1075.58886	1074.69116	1076.48645	0.11802		09/29/10	21:38	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61453-4	Ag	0.96547	0.65811	1.27283	45.02131	ug/L	09/29/10	21:43	
61453-4	Al	118.81654	120.09091	117.54217	1.51681	ug/L	09/29/10	21:43	
61453-4	2Al	0.11882	0.12009	0.11754	1.51681	mg/L	09/29/10	21:43	
61453-4	As	8.20656	9.29907	7.11405	18.82684	ug/L	09/29/10	21:43	
61453-4	B	20.40901	21.14660	19.67143	5.11097	ug/L	09/29/10	21:43	
61453-4	Ba	281.59011	281.74441	281.43582	0.07749	ug/L	09/29/10	21:43	
61453-4	Be	0.15067	0.13930	0.16205	10.67647	ug/L	09/29/10	21:43	
61453-4	Ca	606.27947	605.04693	607.51202	0.28750	ug/L	09/29/10	21:43	
61453-4	Cd	8.00128	8.15008	7.85248	2.63004	ug/L	09/29/10	21:43	
61453-4	Co	4.14123	4.59851	3.68395	15.61589	ug/L	09/29/10	21:43	
61453-4	Cr	72.54161	72.40309	72.68012	0.27003	ug/L	09/29/10	21:43	
61453-4	Cu	1661.58923	1663.52954	1659.64892	0.16514	ug/L	09/29/10	21:43	
61453-4	Fe	59933.38281	59917.59765	59949.17187	0.03725	ug/L	09/29/10	21:43	
61453-4	2Fe	59.92287	59.90534	59.94040	0.04137	mg/L	09/29/10	21:43	
61453-4	K	250.87976	264.04855	237.71095	7.42327	ug/L	09/29/10	21:43	
61453-4	Mg	128.98284	129.02536	128.94032	0.04661	ug/L	09/29/10	21:43	
61453-4	2Mg	0.11851	0.11856	0.11847	0.05443	mg/L	09/29/10	21:43	
61453-4	Mn	240.31137	240.36183	240.26091	0.02969	ug/L	09/29/10	21:43	
61453-4	Mo	13.42826	13.66243	13.19409	2.46620	ug/L	09/29/10	21:43	
61453-4	Na	1662.20239	1662.95983	1661.44494	0.06444	ug/L	09/29/10	21:43	
61453-4	Ni	2385.90283	2382.48388	2389.32177	0.20265	ug/L	09/29/10	21:43	
61453-4	Pb	114.12580	113.67067	114.58094	0.56398	ug/L	09/29/10	21:43	
61453-4	Se	1.88076	2.65575	1.10578	58.27370	ug/L	09/29/10	21:43	
61453-4	Sb	1.31183	0.79769	1.82597	55.42649	ug/L	09/29/10	21:43	
61453-4	Sn	53.24018	53.85322	52.62715	1.62840	ug/L	09/29/10	21:43	
61453-4	Sr	3.96075	3.98888	3.93263	1.00427	ug/L	09/29/10	21:43	
61453-4	Ti	5.34517	5.30280	5.38754	1.12100	ug/L	09/29/10	21:43	
61453-4	Tl	3.52517	3.90019	3.15014	15.04507	ug/L	09/29/10	21:43	
61453-4	V	10.03848	10.17284	9.90412	1.89282	ug/L	09/29/10	21:43	
61453-4	Zn	7759.21191	7757.60205	7760.82177	0.02934	ug/L	09/29/10	21:43	
61453-4	2203/1	118.68793	118.05287	119.32299	0.75669	ug/L	09/29/10	21:43	
61453-4	2203/2	111.84815	111.48285	112.21347	0.46189	ug/L	09/29/10	21:43	
61453-4	1960/1	2.87574	0.78519	4.96628	102.80750	ug/L	09/29/10	21:43	
61453-4	1960/2	1.38403	3.58963	-0.82157	225.37028	ug/L	09/29/10	21:43	
61453-4	Y	1043.95275	1043.54797	1044.35754	0.05483		09/29/10	21:43	
CCV	Ag	498.14694	498.54415	497.74972	0.11276	ug/L	09/29/10	21:48	
CCV	Al	4889.51953	4902.27197	4876.76660	0.36885	ug/L	09/29/10	21:48	
CCV	2Al	4.88921	4.90206	4.87636	0.37177	mg/L	09/29/10	21:48	
CCV	As	489.37811	489.05462	489.70156	0.09347	ug/L	09/29/10	21:48	
CCV	B	4972.99218	4966.98144	4979.00292	0.17093	ug/L	09/29/10	21:48	
CCV	Ba	5048.33105	5062.27294	5034.38867	0.39056	ug/L	09/29/10	21:48	
CCV	Be	506.67132	507.50140	505.84121	0.23169	ug/L	09/29/10	21:48	
CCV	Ca	5003.14062	5015.07763	4991.20361	0.33741	ug/L	09/29/10	21:48	
CCV	Cd	503.48968	503.97894	503.00039	0.13742	ug/L	09/29/10	21:48	
CCV	Co	502.47705	503.58984	501.36425	0.31319	ug/L	09/29/10	21:48	
CCV	Cr	5056.96093	5067.67919	5046.24218	0.29975	ug/L	09/29/10	21:48	
CCV	Cu	4993.75781	4995.14453	4992.37158	0.03926	ug/L	09/29/10	21:48	
CCV	Fe	4917.02050	4922.26660	4911.77490	0.15087	ug/L	09/29/10	21:48	
CCV	2Fe	4.91703	4.92227	4.91178	0.15088	mg/L	09/29/10	21:48	
CCV	K	10146.86523	10246.40722	10047.32421	1.38735	ug/L	09/29/10	21:48	
CCV	Mg	4985.55566	4990.90673	4980.20507	0.15178	ug/L	09/29/10	21:48	
CCV	2Mg	4.98560	4.99095	4.98025	0.15180	mg/L	09/29/10	21:48	
CCV	Mn	5072.73828	5079.37744	5066.09960	0.18508	ug/L	09/29/10	21:48	
CCV	Mo	504.35797	507.05117	501.66473	0.75517	ug/L	09/29/10	21:48	
CCV	Na	7694.14648	7806.64160	7581.65136	2.06770	ug/L	09/29/10	21:48	
CCV	Ni	2502.60327	2506.00073	2499.20581	0.19198	ug/L	09/29/10	21:48	
CCV	Pb	502.20278	503.33068	501.07489	0.31761	ug/L	09/29/10	21:48	
CCV	Se	4992.97412	4990.34570	4995.60253	0.07444	ug/L	09/29/10	21:48	
CCV	Sb	486.21151	484.19567	488.22735	0.58633	ug/L	09/29/10	21:48	
CCV	Sn	5012.33837	5010.98486	5013.69189	0.03818	ug/L	09/29/10	21:48	
CCV	Sr	2566.91357	2572.56518	2561.26220	0.31136	ug/L	09/29/10	21:48	
CCV	Ti	499.18713	500.46276	497.91152	0.36138	ug/L	09/29/10	21:48	
CCV	Tl	5047.76562	5056.16308	5039.36767	0.23527	ug/L	09/29/10	21:48	
CCV	V	4992.73144	4999.32128	4986.14160	0.18666	ug/L	09/29/10	21:48	
CCV	Zn	2517.40258	2519.91821	2514.88696	0.14132	ug/L	09/29/10	21:48	
CCV	2203/1	503.71594	502.26528	505.16662	0.40728	ug/L	09/29/10	21:48	
CCV	2203/2	501.44323	503.85848	499.02801	0.68116	ug/L	09/29/10	21:48	
CCV	1960/1	4997.00488	4976.89697	5017.11279	0.56907	ug/L	09/29/10	21:48	
CCV	1960/2	4990.96142	4997.05957	4984.86328	0.17279	ug/L	09/29/10	21:48	
CCV	Y	1092.37036	1091.19995	1093.54077	0.15152		09/29/10	21:48	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	1.46983	0.75766	2.18200	68.52237	ug/L	09/29/10	21:53	
CCB	Al	-2.64747	3.50399	-8.79894	328.59625	ug/L	09/29/10	21:53	
CCB	2Al	-0.00264	0.00350	-0.00879	328.59417	mg/L	09/29/10	21:53	
CCB	As	-3.74235	-4.12709	-3.35762	14.53885	ug/L	09/29/10	21:53	
CCB	B	10.08939	11.77801	8.40077	23.66915	ug/L	09/29/10	21:53	
CCB	Ba	0.94690	0.29753	1.59627	96.98426	ug/L	09/29/10	21:53	
CCB	Be	0.13450	0.06518	0.20382	72.88609	ug/L	09/29/10	21:53	
CCB	Ca	-0.37934	-1.58523	0.82653	449.55560	ug/L	09/29/10	21:53	
CCB	Cd	0.27362	0.12667	0.42057	75.95095	ug/L	09/29/10	21:53	
CCB	Co	-0.76322	-1.04930	-0.47715	53.00823	ug/L	09/29/10	21:53	
CCB	Cr	0.48265	-0.14447	1.10978	183.75498	ug/L	09/29/10	21:53	
CCB	Cu	-0.71296	-1.81314	0.38720	218.22618	ug/L	09/29/10	21:53	
CCB	Fe	8.19148	-9.35250	25.73546	302.88717	ug/L	09/29/10	21:53	
CCB	2Fe	0.00819	-0.00935	0.02573	302.89184	mg/L	09/29/10	21:53	
CCB	K	31.76861	14.59417	48.94305	76.45384	ug/L	09/29/10	21:53	
CCB	Mg	-2.98259	-5.97888	0.01369	142.07064	ug/L	09/29/10	21:53	
CCB	2Mg	-0.00298	-0.00597	0.00000	141.88226	mg/L	09/29/10	21:53	
CCB	Mn	0.71043	0.20568	1.21518	100.47743	ug/L	09/29/10	21:53	
CCB	Mo	-0.13836	-1.36712	1.09039	1255.88806	ug/L	09/29/10	21:53	
CCB	Na	417.16064	425.79025	408.53103	2.92551	ug/L	09/29/10	21:53	
CCB	Ni	1.06623	0.24488	1.88757	108.94029	ug/L	09/29/10	21:53	
CCB	Pb	1.26952	1.55194	0.98711	31.46002	ug/L	09/29/10	21:53	
CCB	Se	4.68487	1.65027	7.71947	91.60480	ug/L	09/29/10	21:53	
CCB	Sb	2.67931	-0.01608	5.37470	142.27038	ug/L	09/29/10	21:53	
CCB	Sn	0.83705	0.21611	1.45798	104.90800	ug/L	09/29/10	21:53	
CCB	Sr	0.33326	0.05562	0.61090	117.81634	ug/L	09/29/10	21:53	
CCB	Ti	-0.03440	-0.10905	0.04024	306.84024	ug/L	09/29/10	21:53	
CCB	Tl	6.25956	6.39238	6.12674	3.00071	ug/L	09/29/10	21:53	
CCB	V	2.05098	1.08197	3.01999	66.81615	ug/L	09/29/10	21:53	
CCB	Zn	0.18146	-0.34771	0.71064	412.40234	ug/L	09/29/10	21:53	
CCB	2203/1	7.06803	5.72764	8.40843	26.81935	ug/L	09/29/10	21:53	
CCB	2203/2	-1.62538	-0.53278	-2.71798	95.06505	ug/L	09/29/10	21:53	
CCB	1960/1	9.57065	6.56662	12.57467	44.38917	ug/L	09/29/10	21:53	
CCB	1960/2	2.24565	-0.80421	5.29551	192.06710	ug/L	09/29/10	21:53	
CCB	Y	1105.28002	1100.79199	1109.76794	0.57423		09/29/10	21:53	
PBW 181417	Ag	0.87031	0.84736	0.89326	3.72911	ug/L	09/29/10	21:58	
PBW 181417	Al	1.33649	5.36305	-2.69005	426.06930	ug/L	09/29/10	21:58	
PBW 181417	2Al	0.00133	0.00536	-0.00269	426.07208	mg/L	09/29/10	21:58	
PBW 181417	As	-2.52150	-0.21689	-4.82611	129.25643	ug/L	09/29/10	21:58	
PBW 181417	B	3.87840	4.73389	3.02290	31.19478	ug/L	09/29/10	21:58	
PBW 181417	Ba	0.27533	0.20014	0.35052	38.61828	ug/L	09/29/10	21:58	
PBW 181417	Be	0.03082	0.02706	0.03458	17.25643	ug/L	09/29/10	21:58	
PBW 181417	Ca	34.97402	35.28043	34.66760	1.23901	ug/L	09/29/10	21:58	
PBW 181417	Cd	-0.12566	-0.39084	0.13950	298.40914	ug/L	09/29/10	21:58	
PBW 181417	Co	-0.41224	0.26400	-1.08849	231.98770	ug/L	09/29/10	21:58	
PBW 181417	Cr	0.58765	0.66872	0.50658	19.50978	ug/L	09/29/10	21:58	
PBW 181417	Cu	0.54385	0.51374	0.57397	7.83036	ug/L	09/29/10	21:58	
PBW 181417	Fe	70.09773	66.10328	74.09217	8.05874	ug/L	09/29/10	21:58	
PBW 181417	2Fe	0.07008	0.06609	0.07408	8.05839	mg/L	09/29/10	21:58	
PBW 181417	K	37.45673	35.67234	39.24112	6.73713	ug/L	09/29/10	21:58	
PBW 181417	Mg	4.60787	6.13825	3.07750	46.96913	ug/L	09/29/10	21:58	
PBW 181417	2Mg	0.00459	0.00612	0.00306	47.11363	mg/L	09/29/10	21:58	
PBW 181417	Mn	0.71847	0.73642	0.70052	3.53254	ug/L	09/29/10	21:58	
PBW 181417	Mo	0.48083	0.51791	0.44375	10.90580	ug/L	09/29/10	21:58	
PBW 181417	Na	503.39886	414.02664	592.77105	25.10760	ug/L	09/29/10	21:58	
PBW 181417	Ni	-0.16901	-0.18878	-0.14925	16.53513	ug/L	09/29/10	21:58	
PBW 181417	Pb	1.02293	0.90626	1.13961	16.13021	ug/L	09/29/10	21:58	
PBW 181417	Se	4.28694	2.39756	6.17631	62.32827	ug/L	09/29/10	21:58	
PBW 181417	Sb	0.68008	-0.93303	2.29320	335.44152	ug/L	09/29/10	21:58	
PBW 181417	Sn	26.76144	25.59295	27.92994	6.17494	ug/L	09/29/10	21:58	
PBW 181417	Sr	0.01946	0.03882	0.00010	140.65847	ug/L	09/29/10	21:58	
PBW 181417	Ti	0.19316	0.20389	0.18244	7.85512	ug/L	09/29/10	21:58	
PBW 181417	Tl	-4.66027	-6.19470	-3.12584	46.56412	ug/L	09/29/10	21:58	
PBW 181417	V	0.33535	-0.02251	0.69322	150.91537	ug/L	09/29/10	21:58	
PBW 181417	Zn	3.97176	3.94077	4.00276	1.10353	ug/L	09/29/10	21:58	
PBW 181417	2203/1	5.53224	5.03218	6.03230	12.78312	ug/L	09/29/10	21:58	
PBW 181417	2203/2	-1.22833	-1.15360	-1.30306	8.60409	ug/L	09/29/10	21:58	
PBW 181417	1960/1	8.23747	7.82263	8.65231	7.12198	ug/L	09/29/10	21:58	
PBW 181417	1960/2	2.31463	-0.31089	4.94017	160.41676	ug/L	09/29/10	21:58	
PBW 181417	Y	1075.43920	1075.20153	1075.67675	0.03124		09/29/10	21:58	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	53.56591	53.27131	53.86051	0.77777	ug/L	09/29/10	22:04	
LCSW-1	Al	2040.02441	2045.57409	2034.47473	0.38472	ug/L	09/29/10	22:04	
LCSW-1	2Al	2.04002	2.04546	2.03457	0.37779	mg/L	09/29/10	22:04	
LCSW-1	As	2065.19897	2068.97363	2061.42431	0.25848	ug/L	09/29/10	22:04	
LCSW-1	B	1061.66296	1062.55261	1060.77331	0.11850	ug/L	09/29/10	22:04	
LCSW-1	Ba	2146.15869	2147.98120	2144.33642	0.12008	ug/L	09/29/10	22:04	
LCSW-1	Be	53.22084	53.30954	53.13214	0.23569	ug/L	09/29/10	22:04	
LCSW-1	Ca	5277.36425	5283.46093	5271.26708	0.16338	ug/L	09/29/10	22:04	
LCSW-1	Cd	53.91708	54.31715	53.51701	1.04935	ug/L	09/29/10	22:04	
LCSW-1	Co	535.02252	535.86297	534.18206	0.22215	ug/L	09/29/10	22:04	
LCSW-1	Cr	215.20393	215.55249	214.85537	0.22905	ug/L	09/29/10	22:04	
LCSW-1	Cu	263.35223	263.75280	262.95162	0.21511	ug/L	09/29/10	22:04	
LCSW-1	Fe	1066.27758	1071.37072	1061.18444	0.67550	ug/L	09/29/10	22:04	
LCSW-1	2Fe	1.06636	1.07145	1.06127	0.67539	mg/L	09/29/10	22:04	
LCSW-1	K	5222.14501	5203.26708	5241.02294	0.51123	ug/L	09/29/10	22:04	
LCSW-1	Mg	5280.16406	5287.57763	5272.75000	0.19856	ug/L	09/29/10	22:04	
LCSW-1	2Mg	5.27873	5.28614	5.27132	0.19854	mg/L	09/29/10	22:04	
LCSW-1	Mn	540.01525	540.35870	539.67187	0.08993	ug/L	09/29/10	22:04	
LCSW-1	Mo	531.67553	529.27697	534.07409	0.63799	ug/L	09/29/10	22:04	
LCSW-1	Na	5340.51757	5272.66650	5408.36865	1.79675	ug/L	09/29/10	22:04	
LCSW-1	Ni	530.65783	531.86779	529.44787	0.32245	ug/L	09/29/10	22:04	
LCSW-1	Pb	529.94860	529.20196	530.69531	0.19925	ug/L	09/29/10	22:04	
LCSW-1	Se	2107.67407	2106.09252	2109.25561	0.10611	ug/L	09/29/10	22:04	
LCSW-1	Sb	517.55932	518.86077	516.25793	0.35560	ug/L	09/29/10	22:04	
LCSW-1	Sn	1076.83764	1071.96020	1081.71508	0.64055	ug/L	09/29/10	22:04	
LCSW-1	Sr	552.36437	553.29101	551.43780	0.23723	ug/L	09/29/10	22:04	
LCSW-1	Ti	739.27124	739.67016	738.87237	0.07630	ug/L	09/29/10	22:04	
LCSW-1	Tl	2210.56152	2210.22827	2210.89477	0.02131	ug/L	09/29/10	22:04	
LCSW-1	V	522.40997	522.68432	522.13562	0.07426	ug/L	09/29/10	22:04	
LCSW-1	Zn	541.87475	541.46307	542.28649	0.10745	ug/L	09/29/10	22:04	
LCSW-1	2203/1	531.10070	532.39587	529.80560	0.34486	ug/L	09/29/10	22:04	
LCSW-1	2203/2	529.37347	527.60742	531.13952	0.47179	ug/L	09/29/10	22:04	
LCSW-1	1960/1	2098.34570	2098.20825	2098.48339	0.00927	ug/L	09/29/10	22:04	
LCSW-1	1960/2	2112.33056	2110.02783	2114.63305	0.15416	ug/L	09/29/10	22:04	
LCSW-1	Y	1093.38232	1094.34155	1092.42321	0.12406		09/29/10	22:04	
61453-5	Ag	1.05684	1.21929	0.89438	21.73875	ug/L	09/29/10	22:09	
61453-5	Al	191.57263	195.08177	188.06347	2.59049	ug/L	09/29/10	22:09	
61453-5	2Al	0.19158	0.19509	0.18807	2.59049	mg/L	09/29/10	22:09	
61453-5	As	9.84994	12.01106	7.68882	31.02845	ug/L	09/29/10	22:09	
61453-5	B	21.67561	21.53098	21.82024	0.94362	ug/L	09/29/10	22:09	
61453-5	Ba	1205.66674	1196.89916	1214.43432	1.02841	ug/L	09/29/10	22:09	
61453-5	Be	0.05146	0.04819	0.05474	8.99280	ug/L	09/29/10	22:09	
61453-5	Ca	1016.07763	1008.81573	1023.33959	1.01074	ug/L	09/29/10	22:09	
61453-5	Cd	8.58588	8.50043	8.67133	1.40749	ug/L	09/29/10	22:09	
61453-5	Co	3.47137	3.57643	3.36630	4.28027	ug/L	09/29/10	22:09	
61453-5	Cr	110.61367	110.04331	111.18403	0.72921	ug/L	09/29/10	22:09	
61453-5	Cu	1486.18725	1473.49401	1498.88061	1.20785	ug/L	09/29/10	22:09	
61453-5	Fe	101092.65625	100225.19531	101960.12500	1.21352	ug/L	09/29/10	22:09	
61453-5	2Fe	101.07522	100.21133	101.93910	1.20872	mg/L	09/29/10	22:09	
61453-5	K	241.15731	251.34141	230.97322	5.97223	ug/L	09/29/10	22:09	
61453-5	Mg	116.40631	112.57154	120.24108	4.65884	ug/L	09/29/10	22:09	
61453-5	2Mg	0.09872	0.09503	0.10240	5.27564	mg/L	09/29/10	22:09	
61453-5	Mn	264.85125	262.78457	266.91793	1.10353	ug/L	09/29/10	22:09	
61453-5	Mo	20.75516	21.01694	20.49338	1.78371	ug/L	09/29/10	22:09	
61453-5	Na	1432.82531	1344.40295	1521.24768	8.72737	ug/L	09/29/10	22:09	
61453-5	Ni	1045.50292	1036.08508	1054.92077	1.27391	ug/L	09/29/10	22:09	
61453-5	Pb	279.82543	278.81295	280.83795	0.51170	ug/L	09/29/10	22:09	
61453-5	Se	2.10442	5.54804	-1.33920	231.41850	ug/L	09/29/10	22:09	
61453-5	Sb	4.64533	3.79762	5.49304	25.80743	ug/L	09/29/10	22:09	
61453-5	Sn	57.49879	56.95093	58.04665	1.34748	ug/L	09/29/10	22:09	
61453-5	Sr	5.40959	5.36204	5.45713	1.24304	ug/L	09/29/10	22:09	
61453-5	Ti	6.29856	6.37393	6.22318	1.69240	ug/L	09/29/10	22:09	
61453-5	Tl	6.21678	10.42597	2.00758	95.75208	ug/L	09/29/10	22:09	
61453-5	V	16.42466	16.69674	16.15258	2.34267	ug/L	09/29/10	22:09	
61453-5	Zn	9319.06445	9242.81933	9395.31054	1.15706	ug/L	09/29/10	22:09	
61453-5	2203/1	282.20635	282.10028	282.31246	0.05316	ug/L	09/29/10	22:09	
61453-5	2203/2	278.63677	277.17178	280.10180	0.74356	ug/L	09/29/10	22:09	
61453-5	1960/1	2.79838	6.21998	-0.62322	172.91725	ug/L	09/29/10	22:09	
61453-5	1960/2	1.75796	5.21257	-1.69665	277.91085	ug/L	09/29/10	22:09	
61453-5	Y	1055.92968	1061.94885	1049.91040	0.80615		09/29/10	22:09	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61453-5L	Ag	1.05066	0.98301	1.11830	9.10499	ug/L	09/29/10	22:14	
61453-5L	Al	34.75251	35.00339	34.50164	1.02090	ug/L	09/29/10	22:14	
61453-5L	2Al	0.03475	0.03500	0.03450	1.02090	mg/L	09/29/10	22:14	
61453-5L	As	1.71094	1.84637	1.57551	11.19412	ug/L	09/29/10	22:14	
61453-5L	B	5.02404	5.01717	5.03090	0.19314	ug/L	09/29/10	22:14	
61453-5L	Ba	234.13732	235.11705	233.15760	0.59176	ug/L	09/29/10	22:14	
61453-5L	Be	0.04961	0.05264	0.04658	8.62752	ug/L	09/29/10	22:14	
61453-5L	Ca	198.50752	200.38212	196.63291	1.33551	ug/L	09/29/10	22:14	
61453-5L	Cd	1.85092	1.85313	1.84872	0.16847	ug/L	09/29/10	22:14	
61453-5L	Co	0.13851	0.93880	-0.66177	817.09436	ug/L	09/29/10	22:14	
61453-5L	Cr	20.87284	20.82755	20.91813	0.30685	ug/L	09/29/10	22:14	
61453-5L	Cu	289.00750	290.38107	287.63391	0.67214	ug/L	09/29/10	22:14	
61453-5L	Fe	19916.52734	20005.66796	19827.38671	0.63296	ug/L	09/29/10	22:14	
61453-5L	2Fe	19.91289	20.00201	19.82376	0.63299	mg/L	09/29/10	22:14	
61453-5L	K	59.76336	62.07913	57.44759	5.47993	ug/L	09/29/10	22:14	
61453-5L	Mg	24.97759	25.01026	24.94492	0.18499	ug/L	09/29/10	22:14	
61453-5L	2Mg	0.02149	0.02150	0.02147	0.11286	mg/L	09/29/10	22:14	
61453-5L	Mn	51.94356	52.29450	51.59262	0.95548	ug/L	09/29/10	22:14	
61453-5L	Mo	4.23835	3.73007	4.74662	16.95967	ug/L	09/29/10	22:14	
61453-5L	Na	591.47149	655.47363	527.46936	15.30296	ug/L	09/29/10	22:14	
61453-5L	Ni	206.64897	206.96145	206.33648	0.21385	ug/L	09/29/10	22:14	
61453-5L	Pb	55.91363	57.34706	54.48019	3.62556	ug/L	09/29/10	22:14	
61453-5L	Se	1.80655	1.98444	1.62865	13.92590	ug/L	09/29/10	22:14	
61453-5L	Sb	1.22873	0.97496	1.48251	29.20830	ug/L	09/29/10	22:14	
61453-5L	Sn	10.93480	12.09686	9.77274	15.02907	ug/L	09/29/10	22:14	
61453-5L	Sr	1.01168	1.03462	0.98874	3.20651	ug/L	09/29/10	22:14	
61453-5L	Ti	1.03261	1.20247	0.86276	23.26250	ug/L	09/29/10	22:14	
61453-5L	Tl	2.29500	3.39681	1.19318	67.89540	ug/L	09/29/10	22:14	
61453-5L	V	3.62117	3.90004	3.34229	10.89122	ug/L	09/29/10	22:14	
61453-5L	Zn	1863.68530	1872.29760	1855.07299	0.65352	ug/L	09/29/10	22:14	
61453-5L	2203/1	61.48987	64.32591	58.65384	6.52263	ug/L	09/29/10	22:14	
61453-5L	2203/2	53.12969	53.86288	52.39650	1.95161	ug/L	09/29/10	22:14	
61453-5L	1960/1	6.13161	4.60855	7.65467	35.12833	ug/L	09/29/10	22:14	
61453-5L	1960/2	-0.35273	0.67436	-1.37982	411.79187	ug/L	09/29/10	22:14	
61453-5L	Y	1092.57714	1091.83361	1093.32080	0.09624		09/29/10	22:14	
61453-5A	Ag	43.13195	43.33190	42.93200	0.65558	ug/L	09/29/10	22:19	
61453-5A	Al	2181.20947	2190.65063	2171.76855	0.61212	ug/L	09/29/10	22:19	
61453-5A	2Al	2.18131	2.19075	2.17187	0.61212	mg/L	09/29/10	22:19	
61453-5A	As	1995.04467	1993.76025	1996.32897	0.09104	ug/L	09/29/10	22:19	
61453-5A	B	878.97808	879.26336	878.69281	0.04589	ug/L	09/29/10	22:19	
61453-5A	Ba	3283.08935	3285.07128	3281.10742	0.08537	ug/L	09/29/10	22:19	
61453-5A	Be	51.76573	51.78113	51.75033	0.04207	ug/L	09/29/10	22:19	
61453-5A	Ca	5474.71386	5482.67529	5466.75195	0.20566	ug/L	09/29/10	22:19	
61453-5A	Cd	60.61395	60.99899	60.22890	0.89836	ug/L	09/29/10	22:19	
61453-5A	Co	527.58117	528.18121	526.98120	0.16083	ug/L	09/29/10	22:19	
61453-5A	Cr	319.47235	320.40383	318.54086	0.41234	ug/L	09/29/10	22:19	
61453-5A	Cu	1726.42578	1728.65551	1724.19604	0.18265	ug/L	09/29/10	22:19	
61453-5A	Fe	100041.31250	100212.10937	99870.52343	0.24143	ug/L	09/29/10	22:19	
61453-5A	2Fe	100.02597	100.19846	99.85349	0.24386	mg/L	09/29/10	22:19	
61453-5A	K	4563.04589	4601.49365	4524.59863	1.19159	ug/L	09/29/10	22:19	
61453-5A	Mg	4600.15527	4604.30322	4596.00732	0.12751	ug/L	09/29/10	22:19	
61453-5A	2Mg	4.58162	4.58574	4.57751	0.12708	mg/L	09/29/10	22:19	
61453-5A	Mn	787.68719	788.93267	786.44171	0.22361	ug/L	09/29/10	22:19	
61453-5A	Mo	459.12258	456.93151	461.31365	0.67490	ug/L	09/29/10	22:19	
61453-5A	Na	5645.20117	5780.55419	5509.84814	3.39081	ug/L	09/29/10	22:19	
61453-5A	Ni	1539.13598	1539.78808	1538.48388	0.05991	ug/L	09/29/10	22:19	
61453-5A	Pb	780.64501	782.31359	778.97650	0.30227	ug/L	09/29/10	22:19	
61453-5A	Se	2019.18505	2022.48327	2015.88671	0.23100	ug/L	09/29/10	22:19	
61453-5A	Sb	489.51831	489.06246	489.97412	0.13168	ug/L	09/29/10	22:19	
61453-5A	Sn	954.87213	959.92565	949.81860	0.74845	ug/L	09/29/10	22:19	
61453-5A	Sr	479.17626	480.19940	478.15313	0.30196	ug/L	09/29/10	22:19	
61453-5A	Ti	895.05761	896.44714	893.66815	0.21954	ug/L	09/29/10	22:19	
61453-5A	Tl	2136.27807	2143.72631	2128.82983	0.49307	ug/L	09/29/10	22:19	
61453-5A	V	526.80383	528.34326	525.26434	0.41327	ug/L	09/29/10	22:19	
61453-5A	Zn	9635.69824	9653.44335	9617.95312	0.26044	ug/L	09/29/10	22:19	
61453-5A	2203/1	782.24169	781.76611	782.71728	0.08598	ug/L	09/29/10	22:19	
61453-5A	2203/2	779.84790	782.58691	777.10888	0.49670	ug/L	09/29/10	22:19	
61453-5A	1960/1	2004.94116	2008.37731	2001.50500	0.24237	ug/L	09/29/10	22:19	
61453-5A	1960/2	2026.29626	2029.52563	2023.06689	0.22538	ug/L	09/29/10	22:19	
61453-5A	Y	1055.52917	1051.70556	1059.35278	0.51229		09/29/10	22:19	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61453-5S	Ag	108.09657	107.68652	108.50662	0.53646	ug/L	09/29/10	22:24	
61453-5S	Al	4391.43164	4398.64892	4384.21484	0.23241	ug/L	09/29/10	22:24	
61453-5S	2Al	4.39143	4.39885	4.38400	0.23911	mg/L	09/29/10	22:24	
61453-5S	As	4142.26318	4151.45214	4133.07421	0.31372	ug/L	09/29/10	22:24	
61453-5S	B	2129.17944	2128.35961	2129.99926	0.05445	ug/L	09/29/10	22:24	
61453-5S	Ba	5641.90039	5647.18798	5636.61328	0.13253	ug/L	09/29/10	22:24	
61453-5S	Be	109.60910	109.66326	109.55494	0.06987	ug/L	09/29/10	22:24	
61453-5S	Ca	11881.98730	11901.23046	11862.74414	0.22903	ug/L	09/29/10	22:24	
61453-5S	Cd	117.24542	117.63840	116.85245	0.47400	ug/L	09/29/10	22:24	
61453-5S	Co	1098.65356	1100.49108	1096.81616	0.23652	ug/L	09/29/10	22:24	
61453-5S	Cr	556.38250	556.77856	555.98645	0.10066	ug/L	09/29/10	22:24	
61453-5S	Cu	2120.12500	2122.09912	2118.15112	0.13167	ug/L	09/29/10	22:24	
61453-5S	Fe	107821.54687	107920.74218	107722.35937	0.13010	ug/L	09/29/10	22:24	
61453-5S	2Fe	107.80316	107.90751	107.69879	0.13690	mg/L	09/29/10	22:24	
61453-5S	K	9940.87500	9952.15917	9929.59179	0.16052	ug/L	09/29/10	22:24	
61453-5S	Mg	10866.37109	10875.96289	10856.78027	0.12482	ug/L	09/29/10	22:24	
61453-5S	2Mg	10.84497	10.85454	10.83540	0.12479	mg/L	09/29/10	22:24	
61453-5S	Mn	1379.78698	1380.45324	1379.12072	0.06828	ug/L	09/29/10	22:24	
61453-5S	Mo	1114.75634	1115.26049	1114.25207	0.06396	ug/L	09/29/10	22:24	
61453-5S	Na	11492.54296	11494.96386	11490.12109	0.02979	ug/L	09/29/10	22:24	
61453-5S	Ni	2173.62036	2178.43774	2168.80297	0.31343	ug/L	09/29/10	22:24	
61453-5S	Pb	1354.22851	1360.20178	1348.25524	0.62378	ug/L	09/29/10	22:24	
61453-5S	Se	4213.00732	4233.16699	4192.84765	0.67671	ug/L	09/29/10	22:24	
61453-5S	Sb	1033.05078	1033.08410	1033.01757	0.00455	ug/L	09/29/10	22:24	
61453-5S	Sn	2208.87011	2211.01806	2206.72216	0.13752	ug/L	09/29/10	22:24	
61453-5S	Sr	1143.26208	1144.29248	1142.23168	0.12745	ug/L	09/29/10	22:24	
61453-5S	Ti	1525.28540	1526.59252	1523.97827	0.12119	ug/L	09/29/10	22:24	
61453-5S	Tl	4423.85400	4425.91455	4421.79345	0.06587	ug/L	09/29/10	22:24	
61453-5S	V	1084.47119	1084.75183	1084.19042	0.03660	ug/L	09/29/10	22:24	
61453-5S	Zn	10816.98046	10837.77246	10796.18750	0.27184	ug/L	09/29/10	22:24	
61453-5S	2203/1	1358.39099	1362.30419	1354.47778	0.40740	ug/L	09/29/10	22:24	
61453-5S	2203/2	1352.15039	1359.15209	1345.14868	0.73230	ug/L	09/29/10	22:24	
61453-5S	1960/1	4180.95556	4192.01074	4169.90039	0.37394	ug/L	09/29/10	22:24	
61453-5S	1960/2	4229.00878	4253.71435	4204.30371	0.82616	ug/L	09/29/10	22:24	
61453-5S	Y	1050.94873	1046.68078	1055.21679	0.57432		09/29/10	22:24	
61453-5SD	Ag	103.86544	103.57123	104.15964	0.40058	ug/L	09/29/10	22:29	
61453-5SD	Al	4292.20898	4284.89062	4299.52783	0.24113	ug/L	09/29/10	22:29	
61453-5SD	2Al	4.29209	4.28488	4.29931	0.23770	mg/L	09/29/10	22:29	
61453-5SD	As	4057.35375	4061.54907	4053.15844	0.14622	ug/L	09/29/10	22:29	
61453-5SD	B	1968.90332	1969.60852	1968.19824	0.05064	ug/L	09/29/10	22:29	
61453-5SD	Ba	5486.93261	5486.83593	5487.02978	0.00249	ug/L	09/29/10	22:29	
61453-5SD	Be	106.39176	106.32356	106.45996	0.09065	ug/L	09/29/10	22:29	
61453-5SD	Ca	11341.33593	11331.79980	11350.87207	0.11891	ug/L	09/29/10	22:29	
61453-5SD	Cd	115.34916	115.55352	115.14481	0.25054	ug/L	09/29/10	22:29	
61453-5SD	Co	1078.09082	1078.27355	1077.90808	0.02397	ug/L	09/29/10	22:29	
61453-5SD	Cr	544.25982	543.36352	545.15612	0.23289	ug/L	09/29/10	22:29	
61453-5SD	Cu	2048.52050	2049.43652	2047.60473	0.06322	ug/L	09/29/10	22:29	
61453-5SD	Fe	104004.84375	103996.15625	104013.52343	0.01180	ug/L	09/29/10	22:29	
61453-5SD	2Fe	103.98347	103.97768	103.98927	0.00788	mg/L	09/29/10	22:29	
61453-5SD	K	10217.75781	10208.24121	10227.27441	0.13171	ug/L	09/29/10	22:29	
61453-5SD	Mg	10324.01171	10315.60644	10332.41699	0.11513	ug/L	09/29/10	22:29	
61453-5SD	2Mg	10.30342	10.29502	10.31183	0.11532	mg/L	09/29/10	22:29	
61453-5SD	Mn	1347.86523	1347.43688	1348.29370	0.04494	ug/L	09/29/10	22:29	
61453-5SD	Mo	1063.68969	1064.99536	1062.38415	0.17358	ug/L	09/29/10	22:29	
61453-5SD	Na	11162.39453	11164.17187	11160.61718	0.02251	ug/L	09/29/10	22:29	
61453-5SD	Ni	2107.05224	2104.94335	2109.16113	0.14154	ug/L	09/29/10	22:29	
61453-5SD	Pb	1317.38745	1316.64904	1318.12585	0.07926	ug/L	09/29/10	22:29	
61453-5SD	Se	4107.37792	4111.48242	4103.27343	0.14132	ug/L	09/29/10	22:29	
61453-5SD	Sb	985.50646	983.96948	987.04345	0.22055	ug/L	09/29/10	22:29	
61453-5SD	Sn	2080.78295	2073.47070	2088.09521	0.49698	ug/L	09/29/10	22:29	
61453-5SD	Sr	1092.79736	1092.59313	1093.00158	0.02642	ug/L	09/29/10	22:29	
61453-5SD	Ti	1461.77966	1460.98352	1462.57580	0.07702	ug/L	09/29/10	22:29	
61453-5SD	Tl	4324.54101	4332.37304	4316.70947	0.25611	ug/L	09/29/10	22:29	
61453-5SD	V	1065.30102	1065.51049	1065.09167	0.02779	ug/L	09/29/10	22:29	
61453-5SD	Zn	10372.72656	10363.05078	10382.40136	0.13191	ug/L	09/29/10	22:29	
61453-5SD	2203/1	1310.75488	1305.30700	1316.20288	0.58779	ug/L	09/29/10	22:29	
61453-5SD	2203/2	1320.69873	1322.31152	1319.08581	0.17270	ug/L	09/29/10	22:29	
61453-5SD	1960/1	4040.02441	4032.95288	4047.09619	0.24754	ug/L	09/29/10	22:29	
61453-5SD	1960/2	4141.00390	4150.68847	4131.31982	0.33073	ug/L	09/29/10	22:29	
61453-5SD	Y	1057.47399	1059.77514	1055.17285	0.30774		09/29/10	22:29	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	505.40945	506.10714	504.71176	0.19522	ug/L	09/29/10	22:35	
CCV	Al	4915.08398	4908.70898	4921.45849	0.18342	ug/L	09/29/10	22:35	
CCV	2Al	4.91497	4.90890	4.92104	0.17466	mg/L	09/29/10	22:35	
CCV	As	505.82855	503.54107	508.11602	0.63954	ug/L	09/29/10	22:35	
CCV	B	5061.34375	5062.93505	5059.75195	0.04447	ug/L	09/29/10	22:35	
CCV	Ba	5068.70019	5071.54443	5065.85644	0.07935	ug/L	09/29/10	22:35	
CCV	Be	516.72509	517.89440	515.55572	0.32003	ug/L	09/29/10	22:35	
CCV	Ca	5094.76562	5107.11816	5082.41308	0.34288	ug/L	09/29/10	22:35	
CCV	Cd	514.99621	515.06079	514.93157	0.01774	ug/L	09/29/10	22:35	
CCV	Co	511.33929	512.33471	510.34384	0.27530	ug/L	09/29/10	22:35	
CCV	Cr	5142.21386	5149.69482	5134.73339	0.20573	ug/L	09/29/10	22:35	
CCV	Cu	5032.67480	5034.04541	5031.30468	0.03850	ug/L	09/29/10	22:35	
CCV	Fe	5029.37890	5035.55566	5023.20214	0.17368	ug/L	09/29/10	22:35	
CCV	2Fe	5.02938	5.03555	5.02320	0.17366	mg/L	09/29/10	22:35	
CCV	K	10128.57812	10119.38378	10137.77343	0.12838	ug/L	09/29/10	22:35	
CCV	Mg	5083.46337	5090.19384	5076.73291	0.18724	ug/L	09/29/10	22:35	
CCV	2Mg	5.08350	5.09023	5.07677	0.18726	mg/L	09/29/10	22:35	
CCV	Mn	5150.59082	5158.44287	5142.73876	0.21559	ug/L	09/29/10	22:35	
CCV	Mo	512.22583	513.57647	510.87515	0.37290	ug/L	09/29/10	22:35	
CCV	Na	7837.31152	7611.38134	8063.24121	4.07682	ug/L	09/29/10	22:35	
CCV	Ni	2554.04785	2554.46459	2553.63085	0.02308	ug/L	09/29/10	22:35	
CCV	Pb	513.77709	516.95251	510.60174	0.87405	ug/L	09/29/10	22:35	
CCV	Se	5091.38574	5090.53710	5092.23486	0.02357	ug/L	09/29/10	22:35	
CCV	Sb	495.37799	490.20523	500.55078	1.47673	ug/L	09/29/10	22:35	
CCV	Sn	5116.06054	5127.74121	5104.38037	0.32287	ug/L	09/29/10	22:35	
CCV	Sr	2586.42382	2583.41479	2589.43310	0.16453	ug/L	09/29/10	22:35	
CCV	Ti	506.10733	506.41143	505.80322	0.08497	ug/L	09/29/10	22:35	
CCV	Tl	5146.99707	5151.21728	5142.77685	0.11595	ug/L	09/29/10	22:35	
CCV	V	5055.71972	5059.13085	5052.30810	0.09542	ug/L	09/29/10	22:35	
CCV	Zn	2567.24169	2571.65869	2562.82470	0.24331	ug/L	09/29/10	22:35	
CCV	2203/1	513.35485	509.55795	517.15173	1.04598	ug/L	09/29/10	22:35	
CCV	2203/2	513.98388	520.64013	507.32757	1.83145	ug/L	09/29/10	22:35	
CCV	1960/1	5051.62451	5049.94384	5053.30517	0.04705	ug/L	09/29/10	22:35	
CCV	1960/2	5111.23681	5110.80322	5111.67041	0.01199	ug/L	09/29/10	22:35	
CCV	Y	1079.77758	1079.65441	1079.90075	0.01613		09/29/10	22:35	
CCB	Ag	0.64525	0.66742	0.62307	4.86005	ug/L	09/29/10	22:40	
CCB	Al	8.30209	12.28173	4.32245	67.79091	ug/L	09/29/10	22:40	
CCB	2Al	0.00830	0.01228	0.00432	67.79103	mg/L	09/29/10	22:40	
CCB	As	0.41486	1.63614	-0.80641	416.31491	ug/L	09/29/10	22:40	
CCB	B	12.29987	14.40949	10.19024	24.25605	ug/L	09/29/10	22:40	
CCB	Ba	1.03973	1.02255	1.05690	2.33617	ug/L	09/29/10	22:40	
CCB	Be	0.12787	0.11286	0.14289	16.60263	ug/L	09/29/10	22:40	
CCB	Ca	-0.10320	-0.88049	0.67408	1065.13500	ug/L	09/29/10	22:40	
CCB	Cd	-0.01634	-0.12156	0.08887	910.44348	ug/L	09/29/10	22:40	
CCB	Co	-0.04319	0.01121	-0.09759	178.13958	ug/L	09/29/10	22:40	
CCB	Cr	0.90562	1.12512	0.68611	34.27754	ug/L	09/29/10	22:40	
CCB	Cu	-0.39792	-0.41526	-0.38058	6.16360	ug/L	09/29/10	22:40	
CCB	Fe	-5.57365	-12.77115	1.62383	182.62329	ug/L	09/29/10	22:40	
CCB	2Fe	-0.00557	-0.01276	0.00162	182.62677	mg/L	09/29/10	22:40	
CCB	K	1.87967	-11.28855	15.04789	990.73999	ug/L	09/29/10	22:40	
CCB	Mg	-2.98382	0.00527	-5.97293	141.67160	ug/L	09/29/10	22:40	
CCB	2Mg	-0.00298	0.00000	-0.00597	141.79989	mg/L	09/29/10	22:40	
CCB	Mn	0.92063	0.99761	0.84365	11.82496	ug/L	09/29/10	22:40	
CCB	Mo	2.40263	2.47795	2.32732	4.43314	ug/L	09/29/10	22:40	
CCB	Na	266.93267	139.75126	394.11407	67.38091	ug/L	09/29/10	22:40	
CCB	Ni	0.40704	0.02512	0.78896	132.69244	ug/L	09/29/10	22:40	
CCB	Pb	0.90107	0.60089	1.20126	47.11364	ug/L	09/29/10	22:40	
CCB	Se	2.60748	1.90212	3.31283	38.25613	ug/L	09/29/10	22:40	
CCB	Sb	2.69209	1.61139	3.77279	56.77149	ug/L	09/29/10	22:40	
CCB	Sn	0.94307	1.25982	0.62633	47.49835	ug/L	09/29/10	22:40	
CCB	Sr	0.44383	0.44768	0.43997	1.22824	ug/L	09/29/10	22:40	
CCB	Ti	0.23771	0.37438	0.10103	81.31031	ug/L	09/29/10	22:40	
CCB	Tl	2.68149	6.73131	-1.36833	213.58715	ug/L	09/29/10	22:40	
CCB	V	1.26496	1.14233	1.38760	13.71038	ug/L	09/29/10	22:40	
CCB	Zn	0.84447	1.09686	0.59208	42.26651	ug/L	09/29/10	22:40	
CCB	2203/1	4.30391	4.22623	4.38160	2.55250	ug/L	09/29/10	22:40	
CCB	2203/2	-0.79778	-1.20906	-0.38651	72.90556	ug/L	09/29/10	22:40	
CCB	1960/1	5.10935	7.13980	3.07890	56.20059	ug/L	09/29/10	22:40	
CCB	1960/2	1.35842	-0.71278	3.42963	215.62680	ug/L	09/29/10	22:40	
CCB	Y	1099.08911	1097.53601	1100.64233	0.19984		09/29/10	22:40	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 181319	Ag	2.09654	1.89223	2.30086	13.78219	ug/L	09/29/10	22:45	
PBW 181319	Al	5.61922	9.66831	1.57013	101.90506	ug/L	09/29/10	22:45	
PBW 181319	2Al	0.00561	0.00966	0.00157	101.90558	mg/L	09/29/10	22:45	
PBW 181319	As	-3.14902	-3.07582	-3.22223	3.28752	ug/L	09/29/10	22:45	
PBW 181319	B	4.94368	5.95132	3.93603	28.82518	ug/L	09/29/10	22:45	
PBW 181319	Ba	0.45414	0.46036	0.44791	1.93785	ug/L	09/29/10	22:45	
PBW 181319	Be	0.05279	0.06348	0.04210	28.64354	ug/L	09/29/10	22:45	
PBW 181319	Ca	34.37451	34.95124	33.79778	2.37273	ug/L	09/29/10	22:45	
PBW 181319	Cd	0.22723	0.19582	0.25864	19.54751	ug/L	09/29/10	22:45	
PBW 181319	Co	-0.05689	-0.26082	0.14704	506.93972	ug/L	09/29/10	22:45	
PBW 181319	Cr	0.71873	0.89905	0.53840	35.48241	ug/L	09/29/10	22:45	
PBW 181319	Cu	-0.45958	-0.18498	-0.73418	84.49964	ug/L	09/29/10	22:45	
PBW 181319	Fe	19.57093	21.82578	17.31608	16.29377	ug/L	09/29/10	22:45	
PBW 181319	2Fe	0.01956	0.02182	0.01731	16.29328	mg/L	09/29/10	22:45	
PBW 181319	K	75.00192	93.13454	56.86929	34.19032	ug/L	09/29/10	22:45	
PBW 181319	Mg	4.54720	3.03432	6.06007	47.05162	ug/L	09/29/10	22:45	
PBW 181319	2Mg	0.00454	0.00302	0.00605	47.09771	mg/L	09/29/10	22:45	
PBW 181319	Mn	0.31011	0.33953	0.28069	13.41729	ug/L	09/29/10	22:45	
PBW 181319	Mo	0.59052	1.17744	0.00360	140.55796	ug/L	09/29/10	22:45	
PBW 181319	Na	468.43737	589.26818	347.60653	36.47885	ug/L	09/29/10	22:45	
PBW 181319	Ni	0.23276	0.26989	0.19562	22.56181	ug/L	09/29/10	22:45	
PBW 181319	Pb	1.36063	0.45411	2.26715	94.22186	ug/L	09/29/10	22:45	
PBW 181319	Se	0.96820	0.52147	1.41493	65.25203	ug/L	09/29/10	22:45	
PBW 181319	Sb	3.43638	4.51600	2.35677	44.43062	ug/L	09/29/10	22:45	
PBW 181319	Sn	-1.39504	-0.16502	-2.62507	124.69239	ug/L	09/29/10	22:45	
PBW 181319	Sr	0.11442	0.12081	0.10802	7.90172	ug/L	09/29/10	22:45	
PBW 181319	Ti	0.14122	0.37529	-0.09284	234.40081	ug/L	09/29/10	22:45	
PBW 181319	Tl	6.20830	9.27042	3.14617	69.75341	ug/L	09/29/10	22:45	
PBW 181319	V	1.57922	1.70694	1.45149	11.43776	ug/L	09/29/10	22:45	
PBW 181319	Zn	3.23147	3.26367	3.19927	1.40933	ug/L	09/29/10	22:45	
PBW 181319	2203/1	9.33444	8.06474	10.60415	19.23669	ug/L	09/29/10	22:45	
PBW 181319	2203/2	-2.62029	-3.34549	-1.89509	39.14007	ug/L	09/29/10	22:45	
PBW 181319	1960/1	2.87365	3.75540	1.99190	43.39356	ug/L	09/29/10	22:45	
PBW 181319	1960/2	0.01691	-1.09306	1.12688	9282.88574	ug/L	09/29/10	22:45	
PBW 181319	Y	1086.86596	1086.78234	1086.94958	0.01088		09/29/10	22:45	
LCSW-1	Ag	51.71418	51.85634	51.57202	0.38876	ug/L	09/29/10	22:50	
LCSW-1	Al	1966.38964	1959.35290	1973.42639	0.50607	ug/L	09/29/10	22:50	
LCSW-1	2Al	1.96638	1.95944	1.97331	0.49890	mg/L	09/29/10	22:50	
LCSW-1	As	2001.78955	2008.32373	1995.25537	0.46162	ug/L	09/29/10	22:50	
LCSW-1	B	1023.91436	1025.09826	1022.73046	0.16351	ug/L	09/29/10	22:50	
LCSW-1	Ba	2049.45507	2048.10131	2050.80908	0.09342	ug/L	09/29/10	22:50	
LCSW-1	Be	51.11640	51.34173	50.89107	0.62340	ug/L	09/29/10	22:50	
LCSW-1	Ca	5052.61230	5062.62841	5042.59619	0.28034	ug/L	09/29/10	22:50	
LCSW-1	Cd	51.89308	51.89620	51.88995	0.00850	ug/L	09/29/10	22:50	
LCSW-1	Co	515.67150	517.54376	513.79919	0.51346	ug/L	09/29/10	22:50	
LCSW-1	Cr	207.30934	207.44122	207.17745	0.08996	ug/L	09/29/10	22:50	
LCSW-1	Cu	250.39927	250.53691	250.26164	0.07773	ug/L	09/29/10	22:50	
LCSW-1	Fe	1010.56390	1004.83233	1016.29547	0.80209	ug/L	09/29/10	22:50	
LCSW-1	2Fe	1.01065	1.00492	1.01638	0.80182	mg/L	09/29/10	22:50	
LCSW-1	K	5035.97363	5000.90771	5071.03906	0.98472	ug/L	09/29/10	22:50	
LCSW-1	Mg	5065.52929	5073.70166	5057.35644	0.22816	ug/L	09/29/10	22:50	
LCSW-1	2Mg	5.06415	5.07233	5.05598	0.22819	mg/L	09/29/10	22:50	
LCSW-1	Mn	518.08978	519.02062	517.15893	0.25409	ug/L	09/29/10	22:50	
LCSW-1	Mo	511.26116	512.91235	509.60998	0.45673	ug/L	09/29/10	22:50	
LCSW-1	Na	5036.52539	5057.45410	5015.59667	0.58766	ug/L	09/29/10	22:50	
LCSW-1	Ni	510.14425	511.01608	509.27243	0.24168	ug/L	09/29/10	22:50	
LCSW-1	Pb	508.84448	509.89385	507.79510	0.29164	ug/L	09/29/10	22:50	
LCSW-1	Se	2036.59838	2044.42309	2028.77355	0.54335	ug/L	09/29/10	22:50	
LCSW-1	Sb	494.27410	492.63586	495.91235	0.46873	ug/L	09/29/10	22:50	
LCSW-1	Sn	1020.35754	1022.29974	1018.41528	0.26919	ug/L	09/29/10	22:50	
LCSW-1	Sr	528.24633	529.34283	527.14978	0.29356	ug/L	09/29/10	22:50	
LCSW-1	Ti	706.32727	707.18402	705.47052	0.17153	ug/L	09/29/10	22:50	
LCSW-1	Tl	2134.81542	2146.17919	2123.45190	0.75278	ug/L	09/29/10	22:50	
LCSW-1	V	503.59722	504.41143	502.78298	0.22865	ug/L	09/29/10	22:50	
LCSW-1	Zn	518.78527	520.19598	517.37451	0.38456	ug/L	09/29/10	22:50	
LCSW-1	2203/1	508.22534	509.70660	506.74407	0.41218	ug/L	09/29/10	22:50	
LCSW-1	2203/2	509.15356	509.98733	508.31982	0.23158	ug/L	09/29/10	22:50	
LCSW-1	1960/1	2022.21069	2032.19775	2012.22351	0.69843	ug/L	09/29/10	22:50	
LCSW-1	1960/2	2043.78076	2050.52587	2037.03552	0.46673	ug/L	09/29/10	22:50	
LCSW-1	Y	1092.90283	1091.78955	1094.01599	0.14405		09/29/10	22:50	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-1	Ag	1.45988	1.52857	1.39119	6.65425	ug/L	09/29/10	22:55	
61551-1	Al	15.93130	18.04296	13.81963	18.74514	ug/L	09/29/10	22:55	
61551-1	2Al	0.01593	0.01804	0.01382	18.74505	mg/L	09/29/10	22:55	
61551-1	As	-0.88803	0.32326	-2.09933	192.90217	ug/L	09/29/10	22:55	
61551-1	B	348.46902	349.62207	347.31597	0.46794	ug/L	09/29/10	22:55	
61551-1	Ba	9.46556	9.76018	9.17093	4.40191	ug/L	09/29/10	22:55	
61551-1	Be	0.08587	0.13508	0.03666	81.04199	ug/L	09/29/10	22:55	
61551-1	Ca	491.82904	493.82000	489.83804	0.57249	ug/L	09/29/10	22:55	
61551-1	Cd	0.12562	0.46741	-0.21616	384.76831	ug/L	09/29/10	22:55	
61551-1	Co	-0.96705	-0.78977	-1.14433	25.92535	ug/L	09/29/10	22:55	
61551-1	Cr	0.17774	0.33850	0.01698	127.90425	ug/L	09/29/10	22:55	
61551-1	Cu	1.76372	1.84105	1.68638	6.20114	ug/L	09/29/10	22:55	
61551-1	Fe	55.37573	74.42986	36.32160	48.66139	ug/L	09/29/10	22:55	
61551-1	2Fe	0.05536	0.07442	0.03631	48.66192	mg/L	09/29/10	22:55	
61551-1	K	1172.13610	1232.87219	1111.40002	7.32797	ug/L	09/29/10	22:55	
61551-1	Mg	111.90168	115.04647	108.75691	3.97437	ug/L	09/29/10	22:55	
61551-1	2Mg	0.11186	0.11500	0.10872	3.97049	mg/L	09/29/10	22:55	
61551-1	Mn	1.20046	1.26651	1.13440	7.78178	ug/L	09/29/10	22:55	
61551-1	Mo	1.10355	1.47058	0.73651	47.03569	ug/L	09/29/10	22:55	
61551-1	Na	229985.56250	229728.06250	230243.06250	0.15834	ug/L	09/29/10	22:55	
61551-1	Ni	0.33607	0.83890	-0.16675	211.59350	ug/L	09/29/10	22:55	
61551-1	Pb	1.70508	0.52739	2.88276	97.67862	ug/L	09/29/10	22:55	
61551-1	Se	2.99041	7.51584	-1.53501	214.01449	ug/L	09/29/10	22:55	
61551-1	Sb	4.88785	7.26418	2.51152	68.75488	ug/L	09/29/10	22:55	
61551-1	Sn	2.51916	6.93404	-1.89571	247.84310	ug/L	09/29/10	22:55	
61551-1	Sr	38.44310	38.50890	38.37730	0.24205	ug/L	09/29/10	22:55	
61551-1	Ti	5.66027	5.78277	5.53777	3.06071	ug/L	09/29/10	22:55	
61551-1	Tl	5.60310	4.51459	6.69161	27.47382	ug/L	09/29/10	22:55	
61551-1	V	2.29370	3.53709	1.05030	76.66303	ug/L	09/29/10	22:55	
61551-1	Zn	9.80828	9.91388	9.70268	1.52257	ug/L	09/29/10	22:55	
61551-1	2203/1	9.11806	8.56751	9.66861	8.53907	ug/L	09/29/10	22:55	
61551-1	2203/2	-1.99585	-3.48663	-0.50506	105.63336	ug/L	09/29/10	22:55	
61551-1	1960/1	5.90246	8.79652	3.00841	69.34072	ug/L	09/29/10	22:55	
61551-1	1960/2	1.53657	6.87646	-3.80331	491.46749	ug/L	09/29/10	22:55	
61551-1	Y	1088.27392	1087.13439	1089.41357	0.14808		09/29/10	22:55	
61551-1L	Ag	0.50988	0.71213	0.30763	56.09649	ug/L	09/29/10	23:01	
61551-1L	Al	1.68062	0.69659	2.66465	82.80422	ug/L	09/29/10	23:01	
61551-1L	2Al	0.00168	0.00069	0.00266	82.80400	mg/L	09/29/10	23:01	
61551-1L	As	-4.20409	-3.75874	-4.64943	14.98108	ug/L	09/29/10	23:01	
61551-1L	B	69.90004	71.63380	68.16629	3.50772	ug/L	09/29/10	23:01	
61551-1L	Ba	1.89614	1.82425	1.96804	5.36196	ug/L	09/29/10	23:01	
61551-1L	Be	0.01653	-0.00199	0.03506	158.44281	ug/L	09/29/10	23:01	
61551-1L	Ca	98.64033	100.49596	96.78470	2.66042	ug/L	09/29/10	23:01	
61551-1L	Cd	0.05600	-0.04936	0.16136	266.07189	ug/L	09/29/10	23:01	
61551-1L	Co	-0.41399	-0.42868	-0.39930	5.01715	ug/L	09/29/10	23:01	
61551-1L	Cr	-0.36293	-0.97836	0.25248	239.80177	ug/L	09/29/10	23:01	
61551-1L	Cu	-1.15574	-0.84189	-1.46958	38.40326	ug/L	09/29/10	23:01	
61551-1L	Fe	9.40526	3.87500	14.93553	83.15531	ug/L	09/29/10	23:01	
61551-1L	2Fe	0.00940	0.00387	0.01493	83.15612	mg/L	09/29/10	23:01	
61551-1L	K	187.67396	180.19593	195.15199	5.63505	ug/L	09/29/10	23:01	
61551-1L	Mg	19.50811	18.02781	20.98842	10.73126	ug/L	09/29/10	23:01	
61551-1L	2Mg	0.01950	0.01802	0.02097	10.72505	mg/L	09/29/10	23:01	
61551-1L	Mn	0.13704	0.13734	0.13673	0.31197	ug/L	09/29/10	23:01	
61551-1L	Mo	0.18880	-0.21142	0.58903	299.79208	ug/L	09/29/10	23:01	
61551-1L	Na	41122.17187	42195.41406	40048.93359	3.69093	ug/L	09/29/10	23:01	
61551-1L	Ni	-0.62323	-1.07126	-0.17520	101.66373	ug/L	09/29/10	23:01	
61551-1L	Pb	-1.25132	-1.18548	-1.31717	7.44186	ug/L	09/29/10	23:01	
61551-1L	Se	1.45360	3.30249	-0.39527	179.87748	ug/L	09/29/10	23:01	
61551-1L	Sb	-3.20687	-5.88104	-0.53271	117.92914	ug/L	09/29/10	23:01	
61551-1L	Sn	-1.81187	-2.22213	-1.40160	32.02225	ug/L	09/29/10	23:01	
61551-1L	Sr	7.60756	7.78665	7.42847	3.32915	ug/L	09/29/10	23:01	
61551-1L	Ti	0.78668	0.90322	0.67014	20.95089	ug/L	09/29/10	23:01	
61551-1L	Tl	1.18878	-2.01949	4.39706	381.66723	ug/L	09/29/10	23:01	
61551-1L	V	0.73515	0.53023	0.94006	39.41994	ug/L	09/29/10	23:01	
61551-1L	Zn	1.66130	1.72521	1.59739	5.44071	ug/L	09/29/10	23:01	
61551-1L	2203/1	2.55008	3.83922	1.26094	71.49224	ug/L	09/29/10	23:01	
61551-1L	2203/2	-3.14918	-3.69406	-2.60430	24.46900	ug/L	09/29/10	23:01	
61551-1L	1960/1	3.04131	6.44314	-0.36051	158.18527	ug/L	09/29/10	23:01	
61551-1L	1960/2	0.66094	1.73451	-0.41262	229.71058	ug/L	09/29/10	23:01	
61551-1L	Y	1096.50195	1095.30957	1097.69433	0.15378		09/29/10	23:01	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-1A	Ag	42.95607	43.13979	42.77235	0.60486	ug/L	09/29/10	23:06	
61551-1A	Al	2062.19824	2062.42968	2061.96655	0.01588	ug/L	09/29/10	23:06	
61551-1A	2Al	2.06219	2.06252	2.06186	0.02280	mg/L	09/29/10	23:06	
61551-1A	As	2029.08007	2024.69738	2033.46276	0.30546	ug/L	09/29/10	23:06	
61551-1A	B	1358.14282	1358.83557	1357.45019	0.07212	ug/L	09/29/10	23:06	
61551-1A	Ba	2109.50292	2112.86474	2106.14111	0.22537	ug/L	09/29/10	23:06	
61551-1A	Be	52.06586	52.08802	52.04371	0.06017	ug/L	09/29/10	23:06	
61551-1A	Ca	5609.02685	5608.21191	5609.84179	0.02054	ug/L	09/29/10	23:06	
61551-1A	Cd	52.52652	52.04757	53.00547	1.28951	ug/L	09/29/10	23:06	
61551-1A	Co	522.81701	523.52331	522.11065	0.19106	ug/L	09/29/10	23:06	
61551-1A	Cr	209.54873	209.54023	209.55723	0.00573	ug/L	09/29/10	23:06	
61551-1A	Cu	263.28500	263.51779	263.05221	0.12504	ug/L	09/29/10	23:06	
61551-1A	Fe	1060.87207	1071.10559	1050.63867	1.36418	ug/L	09/29/10	23:06	
61551-1A	2Fe	1.06095	1.07118	1.05072	1.36393	mg/L	09/29/10	23:06	
61551-1A	K	7826.04003	7832.62841	7819.45166	0.11905	ug/L	09/29/10	23:06	
61551-1A	Mg	5293.63916	5294.45507	5292.82324	0.02179	ug/L	09/29/10	23:06	
61551-1A	2Mg	5.29219	5.29301	5.29138	0.02175	mg/L	09/29/10	23:06	
61551-1A	Mn	523.28564	523.65814	522.91320	0.10066	ug/L	09/29/10	23:06	
61551-1A	Mo	507.96267	507.51168	508.41366	0.12555	ug/L	09/29/10	23:06	
61551-1A	Na	234730.50000	234612.60937	234848.37500	0.07102	ug/L	09/29/10	23:06	
61551-1A	Ni	519.08508	519.28222	518.88800	0.05370	ug/L	09/29/10	23:06	
61551-1A	Pb	517.57519	520.15063	514.99975	0.70370	ug/L	09/29/10	23:06	
61551-1A	Se	2071.46362	2072.28637	2070.64086	0.05617	ug/L	09/29/10	23:06	
61551-1A	Sb	507.12969	509.25268	505.00668	0.59203	ug/L	09/29/10	23:06	
61551-1A	Sn	1052.66467	1050.50683	1054.82250	0.28989	ug/L	09/29/10	23:06	
61551-1A	Sr	578.58569	580.44909	576.72235	0.45545	ug/L	09/29/10	23:06	
61551-1A	Ti	1019.80419	1020.64184	1018.96661	0.11615	ug/L	09/29/10	23:06	
61551-1A	Tl	2168.01416	2168.17480	2167.85375	0.01047	ug/L	09/29/10	23:06	
61551-1A	V	509.32189	509.13626	509.50750	0.05154	ug/L	09/29/10	23:06	
61551-1A	Zn	540.51342	539.67175	541.35516	0.22022	ug/L	09/29/10	23:06	
61551-1A	2203/1	519.52282	520.81396	518.23175	0.35145	ug/L	09/29/10	23:06	
61551-1A	2203/2	516.60284	519.81951	513.38616	0.88057	ug/L	09/29/10	23:06	
61551-1A	1960/1	2064.44262	2060.05419	2068.83105	0.30062	ug/L	09/29/10	23:06	
61551-1A	1960/2	2074.96826	2078.39257	2071.54394	0.23338	ug/L	09/29/10	23:06	
61551-1A	Y	1082.79602	1079.83044	1085.76159	0.38732		09/29/10	23:06	
61551-1S	Ag	52.20413	52.63428	51.77397	1.16529	ug/L	09/29/10	23:11	
61551-1S	Al	2066.81909	2065.26025	2068.37792	0.10666	ug/L	09/29/10	23:11	
61551-1S	2Al	2.06681	2.06535	2.06827	0.09988	mg/L	09/29/10	23:11	
61551-1S	As	2034.36328	2040.75952	2027.96716	0.44463	ug/L	09/29/10	23:11	
61551-1S	B	1383.69848	1387.38159	1380.01550	0.37642	ug/L	09/29/10	23:11	
61551-1S	Ba	2118.37890	2121.53295	2115.22460	0.21057	ug/L	09/29/10	23:11	
61551-1S	Be	52.01601	52.21260	51.81943	0.53448	ug/L	09/29/10	23:11	
61551-1S	Ca	5599.34472	5615.77001	5582.91992	0.41484	ug/L	09/29/10	23:11	
61551-1S	Cd	52.45046	53.03356	51.86735	1.57221	ug/L	09/29/10	23:11	
61551-1S	Co	523.51306	524.88220	522.14392	0.36985	ug/L	09/29/10	23:11	
61551-1S	Cr	209.72402	210.04649	209.40156	0.21744	ug/L	09/29/10	23:11	
61551-1S	Cu	264.12655	264.34832	263.90478	0.11874	ug/L	09/29/10	23:11	
61551-1S	Fe	1042.11816	1043.51147	1040.72473	0.18908	ug/L	09/29/10	23:11	
61551-1S	2Fe	1.04220	1.04359	1.04081	0.18912	mg/L	09/29/10	23:11	
61551-1S	K	7800.57080	7785.09765	7816.04394	0.28052	ug/L	09/29/10	23:11	
61551-1S	Mg	5254.22753	5270.14501	5238.31054	0.42842	ug/L	09/29/10	23:11	
61551-1S	2Mg	5.25280	5.26871	5.23688	0.42843	mg/L	09/29/10	23:11	
61551-1S	Mn	524.43878	526.13092	522.74664	0.45630	ug/L	09/29/10	23:11	
61551-1S	Mo	525.11682	529.29681	520.93676	1.12573	ug/L	09/29/10	23:11	
61551-1S	Na	234156.03125	235291.71875	233020.35937	0.68590	ug/L	09/29/10	23:11	
61551-1S	Ni	518.82586	521.58001	516.07171	0.75072	ug/L	09/29/10	23:11	
61551-1S	Pb	515.41693	518.89642	511.93746	0.95470	ug/L	09/29/10	23:11	
61551-1S	Se	2078.71728	2087.57690	2069.85766	0.60274	ug/L	09/29/10	23:11	
61551-1S	Sb	505.53491	507.42544	503.64440	0.52886	ug/L	09/29/10	23:11	
61551-1S	Sn	1046.72595	1050.38122	1043.07067	0.49385	ug/L	09/29/10	23:11	
61551-1S	Sr	578.57824	580.04010	577.11633	0.35732	ug/L	09/29/10	23:11	
61551-1S	Ti	726.66320	728.64758	724.67877	0.38620	ug/L	09/29/10	23:11	
61551-1S	Tl	2172.22241	2180.52587	2163.91894	0.54059	ug/L	09/29/10	23:11	
61551-1S	V	510.63970	511.78442	509.49496	0.31703	ug/L	09/29/10	23:11	
61551-1S	Zn	540.68566	542.49847	538.87286	0.47415	ug/L	09/29/10	23:11	
61551-1S	2203/1	515.86291	520.72613	510.99972	1.33322	ug/L	09/29/10	23:11	
61551-1S	2203/2	515.19427	517.98291	512.40563	0.76548	ug/L	09/29/10	23:11	
61551-1S	1960/1	2061.53808	2067.36035	2055.71582	0.39940	ug/L	09/29/10	23:11	
61551-1S	1960/2	2087.29345	2097.66943	2076.91748	0.70300	ug/L	09/29/10	23:11	
61551-1S	Y	1102.22204	1097.31604	1107.12805	0.62946		09/29/10	23:11	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-1SD	Ag	51.51844	51.95131	51.08556	1.18827	ug/L	09/29/10	23:16	
61551-1SD	Al	2013.70703	2011.74230	2015.67187	0.13798	ug/L	09/29/10	23:16	
61551-1SD	2Al	2.01380	2.01183	2.01576	0.13797	mg/L	09/29/10	23:16	
61551-1SD	As	1975.56750	1974.09545	1977.03955	0.10537	ug/L	09/29/10	23:16	
61551-1SD	B	1360.72131	1360.80871	1360.63391	0.00908	ug/L	09/29/10	23:16	
61551-1SD	Ba	2064.02343	2070.33642	2057.71069	0.43254	ug/L	09/29/10	23:16	
61551-1SD	Be	50.47226	50.51456	50.42996	0.11853	ug/L	09/29/10	23:16	
61551-1SD	Ca	5449.02832	5451.36962	5446.68750	0.06075	ug/L	09/29/10	23:16	
61551-1SD	Cd	51.27490	51.15398	51.39582	0.33352	ug/L	09/29/10	23:16	
61551-1SD	Co	506.66802	506.33197	507.00408	0.09380	ug/L	09/29/10	23:16	
61551-1SD	Cr	202.32110	202.35408	202.28811	0.02305	ug/L	09/29/10	23:16	
61551-1SD	Cu	255.20989	254.98648	255.43333	0.12380	ug/L	09/29/10	23:16	
61551-1SD	Fe	1010.50061	1006.69433	1014.30688	0.53269	ug/L	09/29/10	23:16	
61551-1SD	2Fe	1.01058	1.00677	1.01439	0.53260	mg/L	09/29/10	23:16	
61551-1SD	K	7728.62988	7760.53613	7696.72412	0.58382	ug/L	09/29/10	23:16	
61551-1SD	Mg	5096.35449	5092.16210	5100.54736	0.11634	ug/L	09/29/10	23:16	
61551-1SD	2Mg	5.09497	5.09078	5.09916	0.11631	mg/L	09/29/10	23:16	
61551-1SD	Mn	508.91821	509.03289	508.80349	0.03187	ug/L	09/29/10	23:16	
61551-1SD	Mo	511.64660	511.64306	511.65014	0.00097	ug/L	09/29/10	23:16	
61551-1SD	Na	237049.53125	236921.18750	237177.87500	0.07656	ug/L	09/29/10	23:16	
61551-1SD	Ni	503.49755	504.10183	502.89324	0.16973	ug/L	09/29/10	23:16	
61551-1SD	Pb	501.61477	499.53747	503.69207	0.58565	ug/L	09/29/10	23:16	
61551-1SD	Se	2017.40942	2021.63671	2013.18200	0.29633	ug/L	09/29/10	23:16	
61551-1SD	Sb	494.28054	491.05828	497.50280	0.92193	ug/L	09/29/10	23:16	
61551-1SD	Sn	1015.78381	1015.91247	1015.65521	0.01790	ug/L	09/29/10	23:16	
61551-1SD	Sr	566.45996	567.38891	565.53094	0.23192	ug/L	09/29/10	23:16	
61551-1SD	Ti	705.67895	706.55065	704.80725	0.17469	ug/L	09/29/10	23:16	
61551-1SD	Tl	2117.11230	2107.99194	2126.23291	0.60924	ug/L	09/29/10	23:16	
61551-1SD	V	495.56292	495.46746	495.65835	0.02723	ug/L	09/29/10	23:16	
61551-1SD	Zn	522.53527	521.43353	523.63708	0.29818	ug/L	09/29/10	23:16	
61551-1SD	2203/1	511.84619	518.22741	505.46499	1.76310	ug/L	09/29/10	23:16	
61551-1SD	2203/2	496.50674	490.20651	502.80697	1.79451	ug/L	09/29/10	23:16	
61551-1SD	1960/1	2016.30786	2024.36657	2008.24926	0.56522	ug/L	09/29/10	23:16	
61551-1SD	1960/2	2017.95861	2020.27319	2015.64404	0.16220	ug/L	09/29/10	23:16	
61551-1SD	Y	1091.76318	1091.69274	1091.83361	0.00912		09/29/10	23:16	
61551-2	Ag	1.12138	1.80382	0.43894	86.06451	ug/L	09/29/10	23:21	
61551-2	Al	354.49526	354.58306	354.40747	0.03502	ug/L	09/29/10	23:21	
61551-2	2Al	0.35451	0.35460	0.35442	0.03502	mg/L	09/29/10	23:21	
61551-2	As	0.31147	-0.73611	1.35907	475.64065	ug/L	09/29/10	23:21	
61551-2	B	360.30874	361.05117	359.56631	0.29140	ug/L	09/29/10	23:21	
61551-2	Ba	7.69116	7.68631	7.69602	0.08927	ug/L	09/29/10	23:21	
61551-2	Be	0.01653	0.01867	0.01439	18.30322	ug/L	09/29/10	23:21	
61551-2	Ca	439.32434	439.36196	439.28668	0.01211	ug/L	09/29/10	23:21	
61551-2	Cd	0.02143	0.04616	-0.00329	163.13385	ug/L	09/29/10	23:21	
61551-2	Co	-0.50816	-0.59232	-0.42399	23.42307	ug/L	09/29/10	23:21	
61551-2	Cr	0.55906	0.58076	0.53735	5.49109	ug/L	09/29/10	23:21	
61551-2	Cu	2.43485	2.39455	2.47515	2.34080	ug/L	09/29/10	23:21	
61551-2	Fe	19.59305	12.93294	26.25316	48.07223	ug/L	09/29/10	23:21	
61551-2	2Fe	0.01959	0.01293	0.02624	48.07238	mg/L	09/29/10	23:21	
61551-2	K	1176.92651	1169.81140	1184.04150	0.85495	ug/L	09/29/10	23:21	
61551-2	Mg	115.15507	115.36505	114.94509	0.25787	ug/L	09/29/10	23:21	
61551-2	2Mg	0.11511	0.11533	0.11490	0.25933	mg/L	09/29/10	23:21	
61551-2	Mn	0.70354	0.74042	0.66666	7.41345	ug/L	09/29/10	23:21	
61551-2	Mo	1.02952	0.14952	1.90952	120.88240	ug/L	09/29/10	23:21	
61551-2	Na	238028.65625	238423.85937	237633.43750	0.23480	ug/L	09/29/10	23:21	
61551-2	Ni	-0.02785	-0.59682	0.54111	2888.95117	ug/L	09/29/10	23:21	
61551-2	Pb	1.49201	0.73487	2.24916	71.76587	ug/L	09/29/10	23:21	
61551-2	Se	2.08464	4.33536	-0.16607	152.68757	ug/L	09/29/10	23:21	
61551-2	Sb	-0.51908	1.56739	-2.60555	568.44970	ug/L	09/29/10	23:21	
61551-2	Sn	-2.07723	-2.53056	-1.62389	30.86406	ug/L	09/29/10	23:21	
61551-2	Sr	36.21271	36.22804	36.19739	0.05985	ug/L	09/29/10	23:21	
61551-2	Ti	0.85775	0.84810	0.86740	1.59168	ug/L	09/29/10	23:21	
61551-2	Tl	0.78176	0.65915	0.90437	22.18006	ug/L	09/29/10	23:21	
61551-2	V	0.65558	1.06135	0.24982	87.53009	ug/L	09/29/10	23:21	
61551-2	Zn	24.51174	24.55695	24.46653	0.26084	ug/L	09/29/10	23:21	
61551-2	2203/1	7.19617	8.80258	5.58975	31.56972	ug/L	09/29/10	23:21	
61551-2	2203/2	-1.35578	-3.29293	0.58136	202.06352	ug/L	09/29/10	23:21	
61551-2	1960/1	5.41211	8.13188	2.69235	71.06872	ug/L	09/29/10	23:21	
61551-2	1960/2	0.42340	2.43995	-1.59314	673.54559	ug/L	09/29/10	23:21	
61551-2	Y	1085.98156	1083.99279	1087.97033	0.25898		09/29/10	23:21	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-3	Ag	0.55217	0.43787	0.66647	29.27366	ug/L	09/29/10	23:27	
61551-3	Al	173.40078	173.72009	173.08148	0.26041	ug/L	09/29/10	23:27	
61551-3	2Al	0.17340	0.17372	0.17309	0.26042	mg/L	09/29/10	23:27	
61551-3	As	-1.13943	-1.96090	-0.31797	101.95630	ug/L	09/29/10	23:27	
61551-3	B	347.71301	349.01681	346.40924	0.53027	ug/L	09/29/10	23:27	
61551-3	Ba	7.33958	7.26850	7.41065	1.36957	ug/L	09/29/10	23:27	
61551-3	Be	0.03240	0.02657	0.03822	25.42116	ug/L	09/29/10	23:27	
61551-3	Ca	431.39547	433.14181	429.64913	0.57248	ug/L	09/29/10	23:27	
61551-3	Cd	-0.01071	0.08189	-0.10331	1222.50366	ug/L	09/29/10	23:27	
61551-3	Co	-0.08522	0.25495	-0.42541	564.47985	ug/L	09/29/10	23:27	
61551-3	Cr	0.51712	0.49953	0.53471	4.81081	ug/L	09/29/10	23:27	
61551-3	Cu	0.39585	0.92832	-0.13661	190.22564	ug/L	09/29/10	23:27	
61551-3	Fe	45.19896	40.84666	49.55126	13.61775	ug/L	09/29/10	23:27	
61551-3	2Fe	0.04519	0.04084	0.04954	13.61752	mg/L	09/29/10	23:27	
61551-3	K	1187.94604	1181.50781	1194.38439	0.76645	ug/L	09/29/10	23:27	
61551-3	Mg	105.83763	106.15873	105.51652	0.42906	ug/L	09/29/10	23:27	
61551-3	2Mg	0.10580	0.10612	0.10547	0.43010	mg/L	09/29/10	23:27	
61551-3	Mn	1.71015	1.68060	1.73971	2.44439	ug/L	09/29/10	23:27	
61551-3	Mo	0.25871	-0.36453	0.88195	340.69146	ug/L	09/29/10	23:27	
61551-3	Na	229394.53125	230035.92187	228753.15625	0.39541	ug/L	09/29/10	23:27	
61551-3	Ni	0.69701	0.33757	1.05645	72.92829	ug/L	09/29/10	23:27	
61551-3	Pb	-0.02066	-1.49778	1.45645	10110.71679	ug/L	09/29/10	23:27	
61551-3	Se	1.46421	0.44485	2.48357	98.45458	ug/L	09/29/10	23:27	
61551-3	Sb	-0.29145	-2.33995	1.75703	993.96478	ug/L	09/29/10	23:27	
61551-3	Sn	-2.60422	-3.67837	-1.53008	58.33076	ug/L	09/29/10	23:27	
61551-3	Sr	30.09730	30.13811	30.05650	0.19172	ug/L	09/29/10	23:27	
61551-3	Ti	0.58059	0.69829	0.46290	28.66800	ug/L	09/29/10	23:27	
61551-3	Tl	-0.17508	2.13360	-2.48376	1864.79772	ug/L	09/29/10	23:27	
61551-3	V	1.07973	0.65117	1.50830	56.13235	ug/L	09/29/10	23:27	
61551-3	Zn	23.66461	23.57892	23.75032	0.51214	ug/L	09/29/10	23:27	
61551-3	2203/1	3.49238	0.19831	6.78646	133.39080	ug/L	09/29/10	23:27	
61551-3	2203/2	-1.77455	-2.34455	-1.20454	45.42591	ug/L	09/29/10	23:27	
61551-3	1960/1	7.03187	4.34430	9.71943	54.05094	ug/L	09/29/10	23:27	
61551-3	1960/2	-1.31543	-1.50194	-1.12893	20.05069	ug/L	09/29/10	23:27	
61551-3	Y	1088.44116	1085.12805	1091.75439	0.43048		09/29/10	23:27	
61551-4	Ag	0.46227	0.30404	0.62051	48.40647	ug/L	09/29/10	23:32	
61551-4	Al	164.05548	160.85969	167.25126	2.75487	ug/L	09/29/10	23:32	
61551-4	2Al	0.16406	0.16086	0.16725	2.75487	mg/L	09/29/10	23:32	
61551-4	As	-2.82384	-3.29645	-2.35123	23.66884	ug/L	09/29/10	23:32	
61551-4	B	313.54849	312.77941	314.31756	0.34687	ug/L	09/29/10	23:32	
61551-4	Ba	7.11127	7.09788	7.12466	0.26624	ug/L	09/29/10	23:32	
61551-4	Be	0.01165	0.02307	0.00024	138.47871	ug/L	09/29/10	23:32	
61551-4	Ca	528.85302	528.53771	529.16827	0.08430	ug/L	09/29/10	23:32	
61551-4	Cd	-0.00868	-0.00200	-0.01536	108.71692	ug/L	09/29/10	23:32	
61551-4	Co	-0.58925	-0.56297	-0.61553	6.30604	ug/L	09/29/10	23:32	
61551-4	Cr	-0.16309	0.01664	-0.34283	155.85185	ug/L	09/29/10	23:32	
61551-4	Cu	-0.27403	0.03683	-0.58490	160.42912	ug/L	09/29/10	23:32	
61551-4	Fe	15.07887	15.06367	15.09407	0.14256	ug/L	09/29/10	23:32	
61551-4	2Fe	0.01507	0.01506	0.01509	0.14220	mg/L	09/29/10	23:32	
61551-4	K	1029.80590	1027.76843	1031.84350	0.27981	ug/L	09/29/10	23:32	
61551-4	Mg	89.12537	87.52193	90.72881	2.54428	ug/L	09/29/10	23:32	
61551-4	2Mg	0.08909	0.08749	0.09070	2.54439	mg/L	09/29/10	23:32	
61551-4	Mn	0.73035	0.66503	0.79568	12.64911	ug/L	09/29/10	23:32	
61551-4	Mo	0.66402	0.00501	1.32303	140.35246	ug/L	09/29/10	23:32	
61551-4	Na	204910.90625	203702.98437	206118.84375	0.83366	ug/L	09/29/10	23:32	
61551-4	Ni	-0.22278	-0.82397	0.37841	381.64074	ug/L	09/29/10	23:32	
61551-4	Pb	2.09470	1.73953	2.44987	23.97859	ug/L	09/29/10	23:32	
61551-4	Se	2.28331	1.62326	2.94336	40.88145	ug/L	09/29/10	23:32	
61551-4	Sb	-0.49898	-1.18146	0.18348	193.42506	ug/L	09/29/10	23:32	
61551-4	Sn	-2.16712	-4.30082	-0.03342	139.24008	ug/L	09/29/10	23:32	
61551-4	Sr	28.81869	28.83329	28.80410	0.07161	ug/L	09/29/10	23:32	
61551-4	Ti	0.34741	0.18813	0.50669	64.83631	ug/L	09/29/10	23:32	
61551-4	Tl	0.32047	-0.82225	1.46319	504.27615	ug/L	09/29/10	23:32	
61551-4	V	0.54485	0.84899	0.24072	78.93958	ug/L	09/29/10	23:32	
61551-4	Zn	16.15223	16.26201	16.04245	0.96115	ug/L	09/29/10	23:32	
61551-4	2203/1	7.69906	5.57407	9.82406	39.03329	ug/L	09/29/10	23:32	
61551-4	2203/2	-0.70327	-0.17485	-1.23169	106.26022	ug/L	09/29/10	23:32	
61551-4	1960/1	3.89021	1.30202	6.47839	94.08872	ug/L	09/29/10	23:32	
61551-4	1960/2	1.48106	1.78364	1.17849	28.89153	ug/L	09/29/10	23:32	
61551-4	Y	1089.32128	1090.45202	1088.19042	0.14680		09/29/10	23:32	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	507.49890	507.64193	507.35583	0.03986	ug/L	09/29/10	23:37	
CCV	Al	4952.57910	4956.88476	4948.27343	0.12294	ug/L	09/29/10	23:37	
CCV	2Al	4.95257	4.95708	4.94806	0.12876	mg/L	09/29/10	23:37	
CCV	As	511.36352	509.82119	512.90582	0.42653	ug/L	09/29/10	23:37	
CCV	B	5104.33886	5109.98681	5098.69091	0.15648	ug/L	09/29/10	23:37	
CCV	Ba	5082.52197	5086.41552	5078.62841	0.10833	ug/L	09/29/10	23:37	
CCV	Be	518.07568	519.10357	517.04772	0.28059	ug/L	09/29/10	23:37	
CCV	Ca	5100.69140	5104.45800	5096.92480	0.10443	ug/L	09/29/10	23:37	
CCV	Cd	518.97796	518.91278	519.04315	0.01776	ug/L	09/29/10	23:37	
CCV	Co	513.51440	514.19207	512.83673	0.18663	ug/L	09/29/10	23:37	
CCV	Cr	5159.76562	5163.95312	5155.57812	0.11477	ug/L	09/29/10	23:37	
CCV	Cu	5045.53125	5054.15478	5036.90771	0.24170	ug/L	09/29/10	23:37	
CCV	Fe	5019.81884	5024.99804	5014.63964	0.14591	ug/L	09/29/10	23:37	
CCV	2Fe	5.01982	5.02500	5.01464	0.14591	mg/L	09/29/10	23:37	
CCV	K	10158.87890	10171.96289	10145.79589	0.18213	ug/L	09/29/10	23:37	
CCV	Mg	5096.16894	5098.55371	5093.78466	0.06617	ug/L	09/29/10	23:37	
CCV	2Mg	5.09621	5.09859	5.09382	0.06618	mg/L	09/29/10	23:37	
CCV	Mn	5158.66894	5163.09814	5154.23974	0.12142	ug/L	09/29/10	23:37	
CCV	Mo	515.63391	513.96453	517.30328	0.45785	ug/L	09/29/10	23:37	
CCV	Na	7872.95117	7942.84472	7803.05810	1.25548	ug/L	09/29/10	23:37	
CCV	Ni	2557.49365	2562.53637	2552.45092	0.27884	ug/L	09/29/10	23:37	
CCV	Pb	512.87512	512.31817	513.43206	0.15357	ug/L	09/29/10	23:37	
CCV	Se	5111.69628	5103.07519	5120.31738	0.23851	ug/L	09/29/10	23:37	
CCV	Sb	497.27380	495.63281	498.91482	0.46669	ug/L	09/29/10	23:37	
CCV	Sn	5145.69335	5140.89990	5150.48632	0.13173	ug/L	09/29/10	23:37	
CCV	Sr	2599.62451	2602.66308	2596.58593	0.16530	ug/L	09/29/10	23:37	
CCV	Ti	505.98309	506.33953	505.62664	0.09962	ug/L	09/29/10	23:37	
CCV	Tl	5182.51513	5187.11230	5177.91796	0.12544	ug/L	09/29/10	23:37	
CCV	V	5062.38378	5067.89257	5056.87451	0.15389	ug/L	09/29/10	23:37	
CCV	Zn	2577.49511	2578.44458	2576.54565	0.05209	ug/L	09/29/10	23:37	
CCV	2203/1	515.13732	515.97167	514.30303	0.22904	ug/L	09/29/10	23:37	
CCV	2203/2	511.74160	510.49011	512.99310	0.34585	ug/L	09/29/10	23:37	
CCV	1960/1	5066.13623	5049.82128	5082.45117	0.45543	ug/L	09/29/10	23:37	
CCV	1960/2	5134.44238	5129.66210	5139.22216	0.13165	ug/L	09/29/10	23:37	
CCV	Y	1078.05273	1078.52795	1077.57763	0.06233		09/29/10	23:37	
CCB	Ag	0.91512	0.48733	1.34291	66.10999	ug/L	09/29/10	23:42	
CCB	Al	8.95926	10.54766	7.37086	25.07280	ug/L	09/29/10	23:42	
CCB	2Al	0.00895	0.01054	0.00737	25.07275	mg/L	09/29/10	23:42	
CCB	As	-0.41562	-1.19434	0.36309	264.96737	ug/L	09/29/10	23:42	
CCB	B	9.69320	11.98227	7.40413	33.39696	ug/L	09/29/10	23:42	
CCB	Ba	1.69906	2.62034	0.77779	76.68197	ug/L	09/29/10	23:42	
CCB	Be	0.16511	0.26094	0.06927	82.08499	ug/L	09/29/10	23:42	
CCB	Ca	-1.11715	-0.85946	-1.37484	32.62144	ug/L	09/29/10	23:42	
CCB	Cd	0.06976	-0.01019	0.14972	162.08782	ug/L	09/29/10	23:42	
CCB	Co	-0.41272	-0.64336	-0.18207	79.03149	ug/L	09/29/10	23:42	
CCB	Cr	1.82107	2.47509	1.16706	50.78968	ug/L	09/29/10	23:42	
CCB	Cu	0.74442	1.50527	-0.01642	144.54225	ug/L	09/29/10	23:42	
CCB	Fe	-8.85091	-14.92012	-2.78171	96.97466	ug/L	09/29/10	23:42	
CCB	2Fe	-0.00884	-0.01491	-0.00278	96.97600	mg/L	09/29/10	23:42	
CCB	K	5.85380	-10.37480	22.08241	392.06506	ug/L	09/29/10	23:42	
CCB	Mg	4.51492	0.01684	9.01301	140.89370	ug/L	09/29/10	23:42	
CCB	2Mg	0.00451	0.00002	0.00901	140.77481	mg/L	09/29/10	23:42	
CCB	Mn	1.65608	2.58076	0.73141	78.96260	ug/L	09/29/10	23:42	
CCB	Mo	0.26204	0.08034	0.44375	98.06305	ug/L	09/29/10	23:42	
CCB	Na	211.52026	-3.76162	426.80215	143.93635	ug/L	09/29/10	23:42	
CCB	Ni	0.81145	1.05646	0.56644	42.70072	ug/L	09/29/10	23:42	
CCB	Pb	0.60595	2.20957	-0.99766	374.26025	ug/L	09/29/10	23:42	
CCB	Se	4.56419	4.25389	4.87450	9.61491	ug/L	09/29/10	23:42	
CCB	Sb	-0.47312	-0.65353	-0.29272	53.92359	ug/L	09/29/10	23:42	
CCB	Sn	0.98824	1.75335	0.22313	109.48938	ug/L	09/29/10	23:42	
CCB	Sr	0.83054	1.31391	0.34717	82.30575	ug/L	09/29/10	23:42	
CCB	Ti	0.30057	0.37441	0.22674	34.73889	ug/L	09/29/10	23:42	
CCB	Tl	6.92749	8.45849	5.39650	31.25442	ug/L	09/29/10	23:42	
CCB	V	2.12504	2.55248	1.69759	28.44642	ug/L	09/29/10	23:42	
CCB	Zn	0.75334	1.22491	0.28178	88.52396	ug/L	09/29/10	23:42	
CCB	2203/1	3.83058	1.59474	6.06642	82.54497	ug/L	09/29/10	23:42	
CCB	2203/2	-1.00393	2.51653	-4.52440	495.91677	ug/L	09/29/10	23:42	
CCB	1960/1	10.78173	11.40188	10.16157	8.13445	ug/L	09/29/10	23:42	
CCB	1960/2	1.46009	0.68524	2.23493	75.04968	ug/L	09/29/10	23:42	
CCB	Y	1096.48876	1097.05200	1095.92553	0.07264		09/29/10	23:42	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-5	Ag	0.02845	-0.10732	0.16423	674.73205	ug/L	09/29/10	23:47	
61551-5	Al	69.54115	71.01601	68.06629	2.99933	ug/L	09/29/10	23:47	
61551-5	2Al	0.06954	0.07101	0.06806	2.99932	mg/L	09/29/10	23:47	
61551-5	As	-2.06080	0.15272	-4.27432	151.90168	ug/L	09/29/10	23:47	
61551-5	B	334.83599	334.49819	335.17382	0.14267	ug/L	09/29/10	23:47	
61551-5	Ba	6.71606	6.76619	6.66594	1.05546	ug/L	09/29/10	23:47	
61551-5	Be	0.02651	0.02704	0.02599	2.80342	ug/L	09/29/10	23:47	
61551-5	Ca	426.31756	426.46853	426.16656	0.05008	ug/L	09/29/10	23:47	
61551-5	Cd	-0.07307	-0.04125	-0.10490	61.58603	ug/L	09/29/10	23:47	
61551-5	Co	-1.19399	-0.67756	-1.71043	61.16867	ug/L	09/29/10	23:47	
61551-5	Cr	-0.72417	-0.50303	-0.94531	43.18482	ug/L	09/29/10	23:47	
61551-5	Cu	-1.45963	-1.04782	-1.87143	39.89920	ug/L	09/29/10	23:47	
61551-5	Fe	12.95480	11.79376	14.11583	12.67450	ug/L	09/29/10	23:47	
61551-5	2Fe	0.01295	0.01179	0.01411	12.67236	mg/L	09/29/10	23:47	
61551-5	K	1043.53393	1060.02612	1027.04174	2.23504	ug/L	09/29/10	23:47	
61551-5	Mg	98.56758	99.99662	97.13854	2.05033	ug/L	09/29/10	23:47	
61551-5	2Mg	0.09853	0.09996	0.09710	2.05066	mg/L	09/29/10	23:47	
61551-5	Mn	0.35136	0.35097	0.35175	0.15650	ug/L	09/29/10	23:47	
61551-5	Mo	-0.54677	-2.27281	1.17925	446.43014	ug/L	09/29/10	23:47	
61551-5	Na	217414.75000	217625.71875	217203.78125	0.13722	ug/L	09/29/10	23:47	
61551-5	Ni	0.07247	0.74239	-0.59744	1307.21752	ug/L	09/29/10	23:47	
61551-5	Pb	-0.52554	-0.69120	-0.35988	44.57862	ug/L	09/29/10	23:47	
61551-5	Se	5.16185	7.18460	3.13910	55.41798	ug/L	09/29/10	23:47	
61551-5	Sb	-0.08488	-0.36029	0.19052	458.84890	ug/L	09/29/10	23:47	
61551-5	Sn	-2.17270	-3.22052	-1.12487	68.20285	ug/L	09/29/10	23:47	
61551-5	Sr	33.18857	33.24866	33.12848	0.25604	ug/L	09/29/10	23:47	
61551-5	Ti	-0.14375	-0.09005	-0.19744	52.82532	ug/L	09/29/10	23:47	
61551-5	Tl	4.45842	2.97143	5.94542	47.16754	ug/L	09/29/10	23:47	
61551-5	V	0.56884	1.15328	-0.01559	145.29734	ug/L	09/29/10	23:47	
61551-5	Zn	12.66101	12.71346	12.60855	0.58592	ug/L	09/29/10	23:47	
61551-5	2203/1	3.74323	2.72897	4.75749	38.31914	ug/L	09/29/10	23:47	
61551-5	2203/2	-2.65672	-2.39872	-2.91473	13.73379	ug/L	09/29/10	23:47	
61551-5	1960/1	6.37184	4.04994	8.69374	51.53393	ug/L	09/29/10	23:47	
61551-5	1960/2	4.55776	8.74958	0.36595	130.06623	ug/L	09/29/10	23:47	
61551-5	Y	1085.05761	1086.01684	1084.09838	0.12502		09/29/10	23:47	
61551-6	Ag	0.89364	0.43896	1.34831	71.95355	ug/L	09/29/10	23:53	
61551-6	Al	156.94364	153.79113	160.09616	2.84071	ug/L	09/29/10	23:53	
61551-6	2Al	0.15695	0.15379	0.16010	2.84071	mg/L	09/29/10	23:53	
61551-6	As	-2.34134	-3.40574	-1.27693	64.29210	ug/L	09/29/10	23:53	
61551-6	B	329.18511	328.93283	329.43740	0.10838	ug/L	09/29/10	23:53	
61551-6	Ba	7.17554	7.15050	7.20057	0.49337	ug/L	09/29/10	23:53	
61551-6	Be	0.00935	-0.00716	0.02587	249.67813	ug/L	09/29/10	23:53	
61551-6	Ca	382.51129	382.30484	382.71771	0.07632	ug/L	09/29/10	23:53	
61551-6	Cd	-0.15448	-0.17920	-0.12975	22.63601	ug/L	09/29/10	23:53	
61551-6	Co	-0.19644	-0.37487	-0.01800	128.45947	ug/L	09/29/10	23:53	
61551-6	Cr	0.51891	0.53742	0.50040	5.04452	ug/L	09/29/10	23:53	
61551-6	Cu	0.40286	0.22162	0.58410	63.62234	ug/L	09/29/10	23:53	
61551-6	Fe	25.16171	36.30990	14.01351	62.65839	ug/L	09/29/10	23:53	
61551-6	2Fe	0.02515	0.03630	0.01401	62.65786	mg/L	09/29/10	23:53	
61551-6	K	1071.18579	1062.40673	1079.96484	1.15903	ug/L	09/29/10	23:53	
61551-6	Mg	96.96655	96.79331	97.13980	0.25266	ug/L	09/29/10	23:53	
61551-6	2Mg	0.09693	0.09675	0.09711	0.25558	mg/L	09/29/10	23:53	
61551-6	Mn	0.56849	0.51427	0.62271	13.48805	ug/L	09/29/10	23:53	
61551-6	Mo	-0.58356	-0.87538	-0.29174	70.71900	ug/L	09/29/10	23:53	
61551-6	Na	215815.59375	214315.79687	217315.37500	0.98279	ug/L	09/29/10	23:53	
61551-6	Ni	0.36190	-0.05779	0.78160	164.00698	ug/L	09/29/10	23:53	
61551-6	Pb	2.39800	1.65975	3.13624	43.53793	ug/L	09/29/10	23:53	
61551-6	Se	3.62423	4.51596	2.73250	34.79607	ug/L	09/29/10	23:53	
61551-6	Sb	5.22364	4.63405	5.81322	15.96201	ug/L	09/29/10	23:53	
61551-6	Sn	-0.47646	-1.66283	0.70991	352.13348	ug/L	09/29/10	23:53	
61551-6	Sr	29.62674	29.64986	29.60363	0.11034	ug/L	09/29/10	23:53	
61551-6	Ti	0.55934	0.44177	0.67691	29.72578	ug/L	09/29/10	23:53	
61551-6	Tl	1.23624	-0.44130	2.91379	191.90533	ug/L	09/29/10	23:53	
61551-6	V	0.98203	0.75316	1.21091	32.95981	ug/L	09/29/10	23:53	
61551-6	Zn	14.23638	14.21045	14.26231	0.25754	ug/L	09/29/10	23:53	
61551-6	2203/1	5.81830	4.19860	7.43800	39.36885	ug/L	09/29/10	23:53	
61551-6	2203/2	0.69041	0.39222	0.98859	61.07858	ug/L	09/29/10	23:53	
61551-6	1960/1	4.89048	5.14494	4.63603	7.35822	ug/L	09/29/10	23:53	
61551-6	1960/2	2.99205	4.20194	1.78217	57.18589	ug/L	09/29/10	23:53	
61551-6	Y	1086.06518	1088.02319	1084.10717	0.25496		09/29/10	23:53	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-7	Ag	1.00686	0.89300	1.12072	15.99222	ug/L	09/29/10	23:58	
61551-7	Al	84.79994	87.07290	82.52696	3.79064	ug/L	09/29/10	23:58	
61551-7	2Al	0.08480	0.08707	0.08253	3.79067	mg/L	09/29/10	23:58	
61551-7	As	-0.71535	-0.21474	-1.21597	98.96855	ug/L	09/29/10	23:58	
61551-7	B	339.83764	339.96499	339.71026	0.05300	ug/L	09/29/10	23:58	
61551-7	Ba	6.80522	6.92949	6.68096	2.58236	ug/L	09/29/10	23:58	
61551-7	Be	0.03215	0.05307	0.01122	92.02738	ug/L	09/29/10	23:58	
61551-7	Ca	426.49920	427.21502	425.78341	0.23735	ug/L	09/29/10	23:58	
61551-7	Cd	0.14499	0.16907	0.12091	23.48398	ug/L	09/29/10	23:58	
61551-7	Co	0.16325	0.39974	-0.07324	204.86717	ug/L	09/29/10	23:58	
61551-7	Cr	0.62231	0.94482	0.29979	73.29230	ug/L	09/29/10	23:58	
61551-7	Cu	-0.50113	-0.42750	-0.57476	20.77899	ug/L	09/29/10	23:58	
61551-7	Fe	21.32493	33.11930	9.53056	78.21716	ug/L	09/29/10	23:58	
61551-7	2Fe	0.02132	0.03311	0.00952	78.21726	mg/L	09/29/10	23:58	
61551-7	K	1107.54248	1127.02319	1088.06188	2.48747	ug/L	09/29/10	23:58	
61551-7	Mg	103.34878	106.48374	100.21383	4.28983	ug/L	09/29/10	23:58	
61551-7	2Mg	0.10331	0.10644	0.10018	4.28715	mg/L	09/29/10	23:58	
61551-7	Mn	0.49400	0.52996	0.45804	10.29538	ug/L	09/29/10	23:58	
61551-7	Mo	0.40802	1.62315	-0.80710	421.16473	ug/L	09/29/10	23:58	
61551-7	Na	224642.68750	225523.48437	223761.90625	0.55449	ug/L	09/29/10	23:58	
61551-7	Ni	-0.27716	0.26369	-0.81803	275.96670	ug/L	09/29/10	23:58	
61551-7	Pb	1.11033	2.24484	-0.02417	144.50062	ug/L	09/29/10	23:58	
61551-7	Se	4.88558	7.79282	1.97833	84.15505	ug/L	09/29/10	23:58	
61551-7	Sb	1.69954	2.54261	0.85648	70.15243	ug/L	09/29/10	23:58	
61551-7	Sn	-1.50983	-1.30307	-1.71659	19.36664	ug/L	09/29/10	23:58	
61551-7	Sr	33.88904	33.93887	33.83920	0.20796	ug/L	09/29/10	23:58	
61551-7	Ti	0.29312	0.18630	0.39995	51.53871	ug/L	09/29/10	23:58	
61551-7	Tl	4.03751	3.92559	4.14944	3.92037	ug/L	09/29/10	23:58	
61551-7	V	0.98569	1.21813	0.75325	33.34873	ug/L	09/29/10	23:58	
61551-7	Zn	10.68740	10.92029	10.45450	3.08178	ug/L	09/29/10	23:58	
61551-7	2203/1	5.85383	6.88692	4.82075	24.95800	ug/L	09/29/10	23:58	
61551-7	2203/2	-1.25785	-0.07271	-2.44300	133.24653	ug/L	09/29/10	23:58	
61551-7	1960/1	4.45253	6.43207	2.47299	62.87418	ug/L	09/29/10	23:58	
61551-7	1960/2	5.10177	8.47217	1.73138	93.42749	ug/L	09/29/10	23:58	
61551-7	Y	1082.69042	1081.71362	1083.66723	0.12759		09/29/10	23:58	
61551-8	Ag	1.32531	1.53023	1.12039	21.86636	ug/L	09/30/10	00:03	
61551-8	Al	152.11451	153.91352	150.31550	1.67254	ug/L	09/30/10	00:03	
61551-8	2Al	0.15212	0.15392	0.15032	1.67255	mg/L	09/30/10	00:03	
61551-8	As	-2.11636	-1.60634	-2.62637	34.08086	ug/L	09/30/10	00:03	
61551-8	B	354.31658	353.90576	354.72741	0.16397	ug/L	09/30/10	00:03	
61551-8	Ba	7.67506	7.64554	7.70458	0.54388	ug/L	09/30/10	00:03	
61551-8	Be	0.02636	0.00482	0.04789	115.52795	ug/L	09/30/10	00:03	
61551-8	Ca	403.90155	403.13812	404.66494	0.26729	ug/L	09/30/10	00:03	
61551-8	Cd	-0.23270	-0.39556	-0.06983	98.97886	ug/L	09/30/10	00:03	
61551-8	Co	-0.24780	-0.25879	-0.23681	6.27081	ug/L	09/30/10	00:03	
61551-8	Cr	0.60030	0.90136	0.29925	70.92178	ug/L	09/30/10	00:03	
61551-8	Cu	0.35124	0.19188	0.51061	64.16468	ug/L	09/30/10	00:03	
61551-8	Fe	59.39290	57.71705	61.06874	3.99038	ug/L	09/30/10	00:03	
61551-8	2Fe	0.05938	0.05770	0.06106	3.99051	mg/L	09/30/10	00:03	
61551-8	K	1145.88891	1136.05383	1155.72399	1.21380	ug/L	09/30/10	00:03	
61551-8	Mg	101.64469	100.14862	103.14075	2.08151	ug/L	09/30/10	00:03	
61551-8	2Mg	0.10160	0.10011	0.10310	2.08130	mg/L	09/30/10	00:03	
61551-8	Mn	0.81640	0.82244	0.81036	1.04610	ug/L	09/30/10	00:03	
61551-8	Mo	0.73801	1.84070	-0.36467	211.30203	ug/L	09/30/10	00:03	
61551-8	Na	233879.20312	232992.40625	234766.00000	0.53622	ug/L	09/30/10	00:03	
61551-8	Ni	0.08965	-0.12251	0.30182	334.69097	ug/L	09/30/10	00:03	
61551-8	Pb	1.13704	0.97387	1.30021	20.29446	ug/L	09/30/10	00:03	
61551-8	Se	3.30450	1.51295	5.09606	76.67227	ug/L	09/30/10	00:03	
61551-8	Sb	-2.35168	-4.21420	-0.48916	112.00460	ug/L	09/30/10	00:03	
61551-8	Sn	-4.08959	-2.36073	-5.81845	59.78530	ug/L	09/30/10	00:03	
61551-8	Sr	31.53040	31.51776	31.54305	0.05671	ug/L	09/30/10	00:03	
61551-8	Ti	0.33570	0.25041	0.42099	35.92988	ug/L	09/30/10	00:03	
61551-8	Tl	-1.94828	-0.68487	-3.21169	91.70806	ug/L	09/30/10	00:03	
61551-8	V	1.08541	0.60533	1.56549	62.55112	ug/L	09/30/10	00:03	
61551-8	Zn	14.19078	14.00370	14.37787	1.86443	ug/L	09/30/10	00:03	
61551-8	2203/1	5.72221	6.71991	4.72451	24.65758	ug/L	09/30/10	00:03	
61551-8	2203/2	-1.15209	-1.89483	-0.40936	91.17150	ug/L	09/30/10	00:03	
61551-8	1960/1	3.82395	5.93558	1.71232	78.09445	ug/L	09/30/10	00:03	
61551-8	1960/2	3.04517	-0.69504	6.78539	173.70022	ug/L	09/30/10	00:03	
61551-8	Y	1084.71875	1084.49438	1084.94323	0.02925		09/30/10	00:03	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-9	Ag	1.07759	1.62538	0.52980	71.89138	ug/L	09/30/10	00:08	
61551-9	Al	103.11306	105.31585	100.91027	3.02116	ug/L	09/30/10	00:08	
61551-9	2Al	0.10311	0.10532	0.10091	3.02116	mg/L	09/30/10	00:08	
61551-9	As	-2.69157	-2.93061	-2.45254	12.55922	ug/L	09/30/10	00:08	
61551-9	B	352.39865	352.62295	352.17434	0.09001	ug/L	09/30/10	00:08	
61551-9	Ba	7.31057	7.43523	7.18591	2.41151	ug/L	09/30/10	00:08	
61551-9	Be	0.02555	0.03667	0.01444	61.51013	ug/L	09/30/10	00:08	
61551-9	Ca	423.56054	425.06567	422.05538	0.50254	ug/L	09/30/10	00:08	
61551-9	Cd	0.06507	0.30659	-0.17645	524.89910	ug/L	09/30/10	00:08	
61551-9	Co	-0.77969	-0.06790	-1.49149	129.10516	ug/L	09/30/10	00:08	
61551-9	Cr	0.84340	1.10971	0.57709	44.65386	ug/L	09/30/10	00:08	
61551-9	Cu	-0.83178	-0.72412	-0.93944	18.30436	ug/L	09/30/10	00:08	
61551-9	Fe	16.97268	38.89096	-4.94560	182.62954	ug/L	09/30/10	00:08	
61551-9	2Fe	0.01697	0.03888	-0.00494	182.63375	mg/L	09/30/10	00:08	
61551-9	K	1136.72998	1149.22583	1124.23425	1.55460	ug/L	09/30/10	00:08	
61551-9	Mg	109.34027	109.82489	108.85565	0.62680	ug/L	09/30/10	00:08	
61551-9	2Mg	0.10930	0.10978	0.10882	0.62186	mg/L	09/30/10	00:08	
61551-9	Mn	0.43473	0.48452	0.38494	16.19680	ug/L	09/30/10	00:08	
61551-9	Mo	-0.06847	0.59157	-0.72851	1363.28820	ug/L	09/30/10	00:08	
61551-9	Na	233055.87500	233691.53125	232420.20312	0.38572	ug/L	09/30/10	00:08	
61551-9	Ni	0.33971	0.83178	-0.15236	204.85018	ug/L	09/30/10	00:08	
61551-9	Pb	0.10821	-0.39471	0.61114	657.25762	ug/L	09/30/10	00:08	
61551-9	Se	-1.41865	-1.82376	-1.01355	40.38378	ug/L	09/30/10	00:08	
61551-9	Sb	0.16960	1.83393	-1.49472	1387.78356	ug/L	09/30/10	00:08	
61551-9	Sn	-2.31645	-3.68675	-0.94616	83.65708	ug/L	09/30/10	00:08	
61551-9	Sr	35.46572	35.45857	35.47287	0.02850	ug/L	09/30/10	00:08	
61551-9	Ti	-0.06910	0.05729	-0.19550	258.67510	ug/L	09/30/10	00:08	
61551-9	Tl	1.99110	4.99497	-1.01276	213.35470	ug/L	09/30/10	00:08	
61551-9	V	0.93959	1.62996	0.24923	103.90802	ug/L	09/30/10	00:08	
61551-9	Zn	12.58719	12.86604	12.30833	3.13304	ug/L	09/30/10	00:08	
61551-9	2203/1	3.17993	4.74066	1.61921	69.41022	ug/L	09/30/10	00:08	
61551-9	2203/2	-1.42534	-2.95855	0.10787	152.12435	ug/L	09/30/10	00:08	
61551-9	1960/1	0.15185	-6.90599	7.20969	6573.10742	ug/L	09/30/10	00:08	
61551-9	1960/2	-2.20273	0.71353	-5.11900	187.23210	ug/L	09/30/10	00:08	
61551-9	Y	1083.53515	1078.77441	1088.29602	0.62137		09/30/10	00:08	
61551-10	Ag	1.50818	1.21265	1.80371	27.71192	ug/L	09/30/10	00:13	
61551-10	Al	66.87158	70.97112	62.77204	8.66979	ug/L	09/30/10	00:13	
61551-10	2Al	0.06687	0.07097	0.06277	8.66981	mg/L	09/30/10	00:13	
61551-10	As	0.57517	-0.06988	1.22024	158.60513	ug/L	09/30/10	00:13	
61551-10	B	345.86581	348.08343	343.64819	0.90676	ug/L	09/30/10	00:13	
61551-10	Ba	7.02307	7.05702	6.98913	0.68356	ug/L	09/30/10	00:13	
61551-10	Be	0.03571	0.02401	0.04741	46.31872	ug/L	09/30/10	00:13	
61551-10	Ca	451.97055	450.91491	453.02618	0.33030	ug/L	09/30/10	00:13	
61551-10	Cd	0.00688	-0.10664	0.12040	2332.57031	ug/L	09/30/10	00:13	
61551-10	Co	0.12321	0.53554	-0.28912	473.27877	ug/L	09/30/10	00:13	
61551-10	Cr	1.00372	0.78423	1.22320	30.92457	ug/L	09/30/10	00:13	
61551-10	Cu	0.00018	-0.03432	0.03469	26270.27148	ug/L	09/30/10	00:13	
61551-10	Fe	19.07679	19.63008	18.52350	4.10170	ug/L	09/30/10	00:13	
61551-10	2Fe	0.01907	0.01962	0.01852	4.10234	mg/L	09/30/10	00:13	
61551-10	K	1136.03466	1123.03356	1149.03588	1.61847	ug/L	09/30/10	00:13	
61551-10	Mg	110.94387	109.57108	112.31666	1.74991	ug/L	09/30/10	00:13	
61551-10	2Mg	0.11090	0.10953	0.11228	1.75007	mg/L	09/30/10	00:13	
61551-10	Mn	0.65906	0.69547	0.62265	7.81218	ug/L	09/30/10	00:13	
61551-10	Mo	0.77530	0.88621	0.66439	20.23033	ug/L	09/30/10	00:13	
61551-10	Na	229545.06250	229500.60937	229589.51562	0.02738	ug/L	09/30/10	00:13	
61551-10	Ni	0.13464	-0.10609	0.37538	252.85249	ug/L	09/30/10	00:13	
61551-10	Pb	1.88193	2.34821	1.41564	35.04000	ug/L	09/30/10	00:13	
61551-10	Se	0.17453	-3.59067	3.93974	3050.87377	ug/L	09/30/10	00:13	
61551-10	Sb	0.59883	-0.02193	1.21959	146.60118	ug/L	09/30/10	00:13	
61551-10	Sn	-4.43616	-5.42283	-3.44948	31.45433	ug/L	09/30/10	00:13	
61551-10	Sr	34.69616	34.68441	34.70791	0.04788	ug/L	09/30/10	00:13	
61551-10	Ti	0.33603	0.25060	0.42146	35.95309	ug/L	09/30/10	00:13	
61551-10	Tl	0.20147	-0.70815	1.11110	638.50671	ug/L	09/30/10	00:13	
61551-10	V	1.21703	0.80956	1.62449	47.34827	ug/L	09/30/10	00:13	
61551-10	Zn	11.13280	10.92475	11.34085	2.64286	ug/L	09/30/10	00:13	
61551-10	2203/1	4.99577	4.60115	5.39039	11.17095	ug/L	09/30/10	00:13	
61551-10	2203/2	0.32734	1.22343	-0.56875	387.13668	ug/L	09/30/10	00:13	
61551-10	1960/1	3.71625	4.13461	3.29789	15.92070	ug/L	09/30/10	00:13	
61551-10	1960/2	-1.59367	-7.44753	4.26018	519.46759	ug/L	09/30/10	00:13	
61551-10	Y	1082.68603	1081.25598	1084.11596	0.18678		09/30/10	00:13	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-11	Ag	1.42411	1.17056	1.67767	25.17951	ug/L	09/30/10	00:19	
61551-11	Al	143.70458	143.23085	144.17834	0.46622	ug/L	09/30/10	00:19	
61551-11	2Al	0.14371	0.14323	0.14418	0.46623	mg/L	09/30/10	00:19	
61551-11	As	0.21348	0.13985	0.28710	48.77240	ug/L	09/30/10	00:19	
61551-11	B	356.59271	357.18923	355.99618	0.23657	ug/L	09/30/10	00:19	
61551-11	Ba	9.12795	9.26438	8.99151	2.11376	ug/L	09/30/10	00:19	
61551-11	Be	0.01607	0.03016	0.00199	123.89176	ug/L	09/30/10	00:19	
61551-11	Ca	415.71514	418.24734	413.18298	0.86141	ug/L	09/30/10	00:19	
61551-11	Cd	-0.11260	0.03843	-0.26364	189.68974	ug/L	09/30/10	00:19	
61551-11	Co	-0.32948	-0.15103	-0.50792	76.59191	ug/L	09/30/10	00:19	
61551-11	Cr	0.59259	0.67455	0.51064	19.55762	ug/L	09/30/10	00:19	
61551-11	Cu	0.93067	1.03434	0.82700	15.75295	ug/L	09/30/10	00:19	
61551-11	Fe	27.90430	44.95905	10.84955	86.43489	ug/L	09/30/10	00:19	
61551-11	2Fe	0.02790	0.04495	0.01084	86.43546	mg/L	09/30/10	00:19	
61551-11	K	1183.11914	1208.69921	1157.53906	3.05765	ug/L	09/30/10	00:19	
61551-11	Mg	106.12954	104.64318	107.61591	1.98063	ug/L	09/30/10	00:19	
61551-11	2Mg	0.10609	0.10460	0.10758	1.98474	mg/L	09/30/10	00:19	
61551-11	Mn	0.58532	0.54996	0.62068	8.54287	ug/L	09/30/10	00:19	
61551-11	Mo	0.51783	-0.45105	1.48673	264.60528	ug/L	09/30/10	00:19	
61551-11	Na	237798.15625	237588.76562	238007.56250	0.12453	ug/L	09/30/10	00:19	
61551-11	Ni	0.45452	0.45420	0.45485	0.10186	ug/L	09/30/10	00:19	
61551-11	Pb	3.74983	2.33396	5.16570	53.39809	ug/L	09/30/10	00:19	
61551-11	Se	2.50101	4.12164	0.88038	91.63948	ug/L	09/30/10	00:19	
61551-11	Sb	-0.16725	-0.02865	-0.30586	117.19400	ug/L	09/30/10	00:19	
61551-11	Sn	0.38305	1.37779	-0.61168	367.24969	ug/L	09/30/10	00:19	
61551-11	Sr	33.52636	33.57424	33.47848	0.20196	ug/L	09/30/10	00:19	
61551-11	Ti	0.40091	0.27125	0.53057	45.73589	ug/L	09/30/10	00:19	
61551-11	Tl	2.35747	1.10446	3.61049	75.16633	ug/L	09/30/10	00:19	
61551-11	V	1.42991	2.20285	0.65697	76.44503	ug/L	09/30/10	00:19	
61551-11	Zn	12.13745	11.95009	12.32481	2.18302	ug/L	09/30/10	00:19	
61551-11	2203/1	11.09823	8.35833	13.83812	34.91362	ug/L	09/30/10	00:19	
61551-11	2203/2	0.08114	-0.67370	0.83599	1315.60937	ug/L	09/30/10	00:19	
61551-11	1960/1	5.38126	2.44707	8.31544	77.11135	ug/L	09/30/10	00:19	
61551-11	1960/2	1.06305	4.95768	-2.83157	518.11401	ug/L	09/30/10	00:19	
61551-11	Y	1069.80725	1069.31445	1070.30004	0.06514		09/30/10	00:19	
61551-12	Ag	1.42101	1.12282	1.71920	29.67626	ug/L	09/30/10	00:24	
61551-12	Al	91.30724	88.53415	94.08032	4.29509	ug/L	09/30/10	00:24	
61551-12	2Al	0.09131	0.08853	0.09408	4.29507	mg/L	09/30/10	00:24	
61551-12	As	-2.86814	-3.42404	-2.31225	27.40967	ug/L	09/30/10	00:24	
61551-12	B	358.70852	358.13052	359.28652	0.22787	ug/L	09/30/10	00:24	
61551-12	Ba	7.28701	7.27008	7.30395	0.32868	ug/L	09/30/10	00:24	
61551-12	Be	0.00935	-0.00169	0.02039	167.04942	ug/L	09/30/10	00:24	
61551-12	Ca	448.61364	449.03152	448.19580	0.13172	ug/L	09/30/10	00:24	
61551-12	Cd	-0.14655	-0.20938	-0.08372	60.62942	ug/L	09/30/10	00:24	
61551-12	Co	-0.01129	-0.06749	0.04490	703.57495	ug/L	09/30/10	00:24	
61551-12	Cr	0.42572	0.50676	0.34468	26.92143	ug/L	09/30/10	00:24	
61551-12	Cu	-0.74416	-0.62753	-0.86079	22.16411	ug/L	09/30/10	00:24	
61551-12	Fe	9.05323	1.70977	16.39670	114.71286	ug/L	09/30/10	00:24	
61551-12	2Fe	0.00905	0.00170	0.01639	114.71269	mg/L	09/30/10	00:24	
61551-12	K	1150.49560	1153.98059	1147.01062	0.42838	ug/L	09/30/10	00:24	
61551-12	Mg	111.66659	113.22381	110.10936	1.97216	ug/L	09/30/10	00:24	
61551-12	2Mg	0.11163	0.11319	0.11007	1.97380	mg/L	09/30/10	00:24	
61551-12	Mn	0.45659	0.41516	0.49802	12.83181	ug/L	09/30/10	00:24	
61551-12	Mo	0.85132	0.36960	1.33304	80.02285	ug/L	09/30/10	00:24	
61551-12	Na	238934.50000	239631.03125	238237.95312	0.41226	ug/L	09/30/10	00:24	
61551-12	Ni	0.71924	0.81108	0.62739	18.05897	ug/L	09/30/10	00:24	
61551-12	Pb	-0.04394	0.29034	-0.37823	1075.78308	ug/L	09/30/10	00:24	
61551-12	Se	-0.50352	0.69292	-1.69997	336.03591	ug/L	09/30/10	00:24	
61551-12	Sb	1.57315	0.83588	2.31043	66.27852	ug/L	09/30/10	00:24	
61551-12	Sn	-3.16542	-3.60373	-2.72712	19.58190	ug/L	09/30/10	00:24	
61551-12	Sr	36.07044	36.15727	35.98363	0.34039	ug/L	09/30/10	00:24	
61551-12	Ti	0.11049	0.12119	0.09979	13.69539	ug/L	09/30/10	00:24	
61551-12	Tl	3.93686	7.02789	0.84582	111.03720	ug/L	09/30/10	00:24	
61551-12	V	0.88663	0.50326	1.27001	61.14904	ug/L	09/30/10	00:24	
61551-12	Zn	11.87827	12.07362	11.68292	2.32586	ug/L	09/30/10	00:24	
61551-12	2203/1	4.86757	5.33350	4.40165	13.53681	ug/L	09/30/10	00:24	
61551-12	2203/2	-2.49602	-2.22745	-2.76460	15.21705	ug/L	09/30/10	00:24	
61551-12	1960/1	4.21237	4.94918	3.47556	24.73686	ug/L	09/30/10	00:24	
61551-12	1960/2	-2.85794	-1.43201	-4.28387	70.55995	ug/L	09/30/10	00:24	
61551-12	Y	1075.66796	1075.38635	1075.94958	0.03702		09/30/10	00:24	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-13	Ag	0.91569	1.12029	0.71109	31.59839	ug/L	09/30/10	00:29	
61551-13	Al	59.67951	59.45778	59.90123	0.52541	ug/L	09/30/10	00:29	
61551-13	2Al	0.05968	0.05946	0.05990	0.52541	mg/L	09/30/10	00:29	
61551-13	As	-2.36204	-1.37664	-3.34744	58.99805	ug/L	09/30/10	00:29	
61551-13	B	334.58233	334.38543	334.77923	0.08322	ug/L	09/30/10	00:29	
61551-13	Ba	6.65984	6.69562	6.62406	0.75983	ug/L	09/30/10	00:29	
61551-13	Be	0.03808	0.03404	0.04211	14.98016	ug/L	09/30/10	00:29	
61551-13	Ca	472.33978	472.43667	472.24291	0.02900	ug/L	09/30/10	00:29	
61551-13	Cd	-0.20850	-0.12139	-0.29560	59.08161	ug/L	09/30/10	00:29	
61551-13	Co	-0.49240	-0.36716	-0.61764	35.97056	ug/L	09/30/10	00:29	
61551-13	Cr	0.47900	0.82025	0.13774	100.75373	ug/L	09/30/10	00:29	
61551-13	Cu	-1.16291	-1.07547	-1.25035	10.63339	ug/L	09/30/10	00:29	
61551-13	Fe	83.37855	83.43593	83.32117	0.09732	ug/L	09/30/10	00:29	
61551-13	2Fe	0.08336	0.08342	0.08331	0.09742	mg/L	09/30/10	00:29	
61551-13	K	1082.26342	1085.34912	1079.17785	0.40320	ug/L	09/30/10	00:29	
61551-13	Mg	104.54296	106.13483	102.95108	2.15341	ug/L	09/30/10	00:29	
61551-13	2Mg	0.10449	0.10609	0.10290	2.15373	mg/L	09/30/10	00:29	
61551-13	Mn	0.54479	0.59820	0.49137	13.86542	ug/L	09/30/10	00:29	
61551-13	Mo	1.03184	2.13343	-0.06974	150.98083	ug/L	09/30/10	00:29	
61551-13	Na	220068.18750	220044.25000	220092.12500	0.01538	ug/L	09/30/10	00:29	
61551-13	Ni	0.14913	-0.06295	0.36122	201.11723	ug/L	09/30/10	00:29	
61551-13	Pb	1.24964	2.00661	0.49267	85.66597	ug/L	09/30/10	00:29	
61551-13	Se	5.19408	6.53969	3.84846	36.63753	ug/L	09/30/10	00:29	
61551-13	Sb	2.82139	1.68824	3.95455	56.79901	ug/L	09/30/10	00:29	
61551-13	Sn	-1.14359	0.06126	-2.34846	148.99732	ug/L	09/30/10	00:29	
61551-13	Sr	33.41977	33.40282	33.43673	0.07176	ug/L	09/30/10	00:29	
61551-13	Ti	-0.05763	0.01661	-0.13189	182.19340	ug/L	09/30/10	00:29	
61551-13	Tl	3.34855	5.11827	1.57884	74.74141	ug/L	09/30/10	00:29	
61551-13	V	0.75607	0.96174	0.55040	38.46997	ug/L	09/30/10	00:29	
61551-13	Zn	12.07928	12.40580	11.75277	3.82272	ug/L	09/30/10	00:29	
61551-13	2203/1	7.55830	7.14290	7.97369	7.77233	ug/L	09/30/10	00:29	
61551-13	2203/2	-1.89995	-0.55768	-3.24223	99.91082	ug/L	09/30/10	00:29	
61551-13	1960/1	8.23394	9.69411	6.77376	25.07905	ug/L	09/30/10	00:29	
61551-13	1960/2	3.67643	4.96485	2.38801	49.56162	ug/L	09/30/10	00:29	
61551-13	Y	1086.16198	1085.36560	1086.95837	0.10369		09/30/10	00:29	
61551-14	Ag	1.26479	1.49703	1.03256	25.96719	ug/L	09/30/10	00:34	
61551-14	Al	210.76957	206.37965	215.15950	2.94553	ug/L	09/30/10	00:34	
61551-14	2Al	0.21077	0.20638	0.21517	2.94554	mg/L	09/30/10	00:34	
61551-14	As	-0.42065	-0.43236	-0.40895	3.93432	ug/L	09/30/10	00:34	
61551-14	B	345.19686	343.94839	346.44534	0.51147	ug/L	09/30/10	00:34	
61551-14	Ba	7.33210	7.35921	7.30499	0.52297	ug/L	09/30/10	00:34	
61551-14	Be	0.02008	0.01194	0.02822	57.32738	ug/L	09/30/10	00:34	
61551-14	Ca	430.84472	430.51776	431.17166	0.10731	ug/L	09/30/10	00:34	
61551-14	Cd	-0.11475	-0.20558	-0.02393	111.92283	ug/L	09/30/10	00:34	
61551-14	Co	-0.28685	-0.25853	-0.31517	13.96201	ug/L	09/30/10	00:34	
61551-14	Cr	0.39185	0.14756	0.63615	88.16431	ug/L	09/30/10	00:34	
61551-14	Cu	-0.63001	-0.91458	-0.34544	63.87778	ug/L	09/30/10	00:34	
61551-14	Fe	24.61918	38.35040	10.88795	78.87705	ug/L	09/30/10	00:34	
61551-14	2Fe	0.02461	0.03834	0.01088	78.87731	mg/L	09/30/10	00:34	
61551-14	K	1126.76757	1135.66381	1117.87145	1.11656	ug/L	09/30/10	00:34	
61551-14	Mg	111.22636	108.26545	114.18726	3.76470	ug/L	09/30/10	00:34	
61551-14	2Mg	0.11119	0.10822	0.11415	3.76792	mg/L	09/30/10	00:34	
61551-14	Mn	0.56455	0.54148	0.58761	5.77877	ug/L	09/30/10	00:34	
61551-14	Mo	0.66833	0.66858	0.66807	0.05398	ug/L	09/30/10	00:34	
61551-14	Na	229705.46875	230573.53125	228837.39062	0.53443	ug/L	09/30/10	00:34	
61551-14	Ni	0.08633	-0.39066	0.56334	781.32611	ug/L	09/30/10	00:34	
61551-14	Pb	0.94723	0.93351	0.96095	2.04830	ug/L	09/30/10	00:34	
61551-14	Se	0.32364	0.82255	-0.17526	218.00788	ug/L	09/30/10	00:34	
61551-14	Sb	0.42690	1.32135	-0.46754	296.30593	ug/L	09/30/10	00:34	
61551-14	Sn	-1.44189	-2.50834	-0.37544	104.59751	ug/L	09/30/10	00:34	
61551-14	Sr	34.94655	34.87888	35.01422	0.27384	ug/L	09/30/10	00:34	
61551-14	Ti	0.28186	0.11896	0.44476	81.73236	ug/L	09/30/10	00:34	
61551-14	Tl	-1.47773	-7.30201	4.34655	557.39379	ug/L	09/30/10	00:34	
61551-14	V	1.33068	1.89885	0.76251	60.38332	ug/L	09/30/10	00:34	
61551-14	Zn	8.73201	8.90342	8.56061	2.77604	ug/L	09/30/10	00:34	
61551-14	2203/1	7.33350	8.30112	6.36587	18.65999	ug/L	09/30/10	00:34	
61551-14	2203/2	-2.24111	-2.74476	-1.73745	31.78239	ug/L	09/30/10	00:34	
61551-14	1960/1	8.29135	12.01933	4.56336	63.58628	ug/L	09/30/10	00:34	
61551-14	1960/2	-3.65423	-4.76743	-2.54103	43.08160	ug/L	09/30/10	00:34	
61551-14	Y	1065.13000	1063.92004	1066.33996	0.16065		09/30/10	00:34	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	509.97763	511.68377	508.27148	0.47312	ug/L	09/30/10	00:39	
CCV	Al	4967.34375	4964.76269	4969.92529	0.07349	ug/L	09/30/10	00:39	
CCV	2Al	4.96723	4.96496	4.96951	0.06483	mg/L	09/30/10	00:39	
CCV	As	507.62384	508.12576	507.12194	0.13982	ug/L	09/30/10	00:39	
CCV	B	5133.20751	5136.74218	5129.67285	0.09738	ug/L	09/30/10	00:39	
CCV	Ba	5090.07617	5092.72216	5087.42968	0.07352	ug/L	09/30/10	00:39	
CCV	Be	521.66674	523.27325	520.06018	0.43552	ug/L	09/30/10	00:39	
CCV	Ca	5129.13183	5141.53222	5116.73193	0.34189	ug/L	09/30/10	00:39	
CCV	Cd	522.47668	523.71252	521.24084	0.33451	ug/L	09/30/10	00:39	
CCV	Co	516.27386	517.71795	514.82977	0.39557	ug/L	09/30/10	00:39	
CCV	Cr	5187.54296	5199.29003	5175.79638	0.32023	ug/L	09/30/10	00:39	
CCV	Cu	5057.08154	5053.64306	5060.52001	0.09615	ug/L	09/30/10	00:39	
CCV	Fe	5053.08007	5077.89892	5028.26123	0.69460	ug/L	09/30/10	00:39	
CCV	2Fe	5.05308	5.07790	5.02826	0.69455	mg/L	09/30/10	00:39	
CCV	K	10208.99804	10224.24316	10193.75292	0.21118	ug/L	09/30/10	00:39	
CCV	Mg	5116.66455	5134.82470	5098.50439	0.50193	ug/L	09/30/10	00:39	
CCV	2Mg	5.11670	5.13486	5.09854	0.50183	mg/L	09/30/10	00:39	
CCV	Mn	5177.38720	5190.17626	5164.59814	0.34933	ug/L	09/30/10	00:39	
CCV	Mo	516.70257	518.05718	515.34796	0.37075	ug/L	09/30/10	00:39	
CCV	Na	7726.72265	7861.46044	7591.98535	2.46608	ug/L	09/30/10	00:39	
CCV	Ni	2574.51171	2578.94042	2570.08325	0.24326	ug/L	09/30/10	00:39	
CCV	Pb	518.08599	521.38739	514.78460	0.90117	ug/L	09/30/10	00:39	
CCV	Se	5170.65917	5199.91259	5141.40625	0.80009	ug/L	09/30/10	00:39	
CCV	Sb	498.62286	498.97088	498.27481	0.09871	ug/L	09/30/10	00:39	
CCV	Sn	5170.17578	5178.30761	5162.04443	0.22242	ug/L	09/30/10	00:39	
CCV	Sr	2620.94824	2624.65673	2617.23974	0.20010	ug/L	09/30/10	00:39	
CCV	Ti	507.27081	508.38726	506.15432	0.31125	ug/L	09/30/10	00:39	
CCV	Tl	5230.66601	5232.71093	5228.62109	0.05528	ug/L	09/30/10	00:39	
CCV	V	5076.73193	5085.02832	5068.43554	0.23111	ug/L	09/30/10	00:39	
CCV	Zn	2593.94775	2601.17456	2586.72070	0.39401	ug/L	09/30/10	00:39	
CCV	2203/1	517.56463	521.33203	513.79724	1.02941	ug/L	09/30/10	00:39	
CCV	2203/2	518.34222	521.41094	515.27349	0.83725	ug/L	09/30/10	00:39	
CCV	1960/1	5092.79589	5134.36865	5051.22265	1.15443	ug/L	09/30/10	00:39	
CCV	1960/2	5209.53320	5232.63574	5186.43017	0.62716	ug/L	09/30/10	00:39	
CCV	Y	1076.99243	1071.54077	1082.44396	0.71585		09/30/10	00:39	
CCB	Ag	1.65348	0.52677	2.78018	96.36692	ug/L	09/30/10	00:45	
CCB	Al	12.71930	10.72091	14.71770	22.21945	ug/L	09/30/10	00:45	
CCB	2Al	0.01271	0.01072	0.01471	22.21935	mg/L	09/30/10	00:45	
CCB	As	-0.28329	2.39374	-2.96032	1336.40112	ug/L	09/30/10	00:45	
CCB	B	9.32606	9.05487	9.59725	4.11239	ug/L	09/30/10	00:45	
CCB	Ba	1.99010	0.43767	3.54253	110.31920	ug/L	09/30/10	00:45	
CCB	Be	0.18266	0.02168	0.34365	124.63289	ug/L	09/30/10	00:45	
CCB	Ca	-1.04041	-2.88475	0.80393	250.69868	ug/L	09/30/10	00:45	
CCB	Cd	0.25173	0.05682	0.44664	109.49995	ug/L	09/30/10	00:45	
CCB	Co	-0.21862	-1.00661	0.56936	509.72332	ug/L	09/30/10	00:45	
CCB	Cr	1.74560	0.14156	3.34965	129.95277	ug/L	09/30/10	00:45	
CCB	Cu	0.23853	-1.04155	1.51861	758.94158	ug/L	09/30/10	00:45	
CCB	Fe	7.43050	-0.47322	15.33422	150.42807	ug/L	09/30/10	00:45	
CCB	2Fe	0.00742	-0.00047	0.01533	150.43144	mg/L	09/30/10	00:45	
CCB	K	40.21847	20.95399	59.48295	67.74022	ug/L	09/30/10	00:45	
CCB	Mg	6.14207	3.05418	9.22997	71.09883	ug/L	09/30/10	00:45	
CCB	2Mg	0.00613	0.00305	0.00922	71.08901	mg/L	09/30/10	00:45	
CCB	Mn	1.79677	0.22509	3.36846	123.70472	ug/L	09/30/10	00:45	
CCB	Mo	0.00031	-0.59177	0.59239	268812.59375	ug/L	09/30/10	00:45	
CCB	Na	398.26312	267.69332	528.83288	46.36471	ug/L	09/30/10	00:45	
CCB	Ni	1.22983	0.51684	1.94282	81.98803	ug/L	09/30/10	00:45	
CCB	Pb	-0.91361	-1.72428	-0.10294	125.48674	ug/L	09/30/10	00:45	
CCB	Se	2.43659	-0.00178	4.87496	141.52482	ug/L	09/30/10	00:45	
CCB	Sb	2.49096	0.16596	4.81597	131.99914	ug/L	09/30/10	00:45	
CCB	Sn	3.80440	1.76525	5.84355	75.80149	ug/L	09/30/10	00:45	
CCB	Sr	0.89507	0.12221	1.66793	122.11093	ug/L	09/30/10	00:45	
CCB	Ti	0.31162	0.11805	0.50520	87.84699	ug/L	09/30/10	00:45	
CCB	Tl	5.30554	3.90823	6.70286	37.24602	ug/L	09/30/10	00:45	
CCB	V	2.85283	1.30329	4.40236	76.81404	ug/L	09/30/10	00:45	
CCB	Zn	0.96507	0.28762	1.64252	99.27270	ug/L	09/30/10	00:45	
CCB	2203/1	1.04684	-1.33372	3.42741	321.59909	ug/L	09/30/10	00:45	
CCB	2203/2	-1.89237	-1.91927	-1.86547	2.01032	ug/L	09/30/10	00:45	
CCB	1960/1	4.31242	-2.45121	11.07606	221.80612	ug/L	09/30/10	00:45	
CCB	1960/2	1.50007	1.22109	1.77906	26.30144	ug/L	09/30/10	00:45	
CCB	Y	1075.42163	1078.00878	1072.83435	0.34022		09/30/10	00:45	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-15	Ag	1.19023	0.80179	1.57867	46.15390	ug/L	09/30/10	00:50	
61551-15	Al	59.17952	62.15414	56.20489	7.10846	ug/L	09/30/10	00:50	
61551-15	2Al	0.05918	0.06215	0.05620	7.10846	mg/L	09/30/10	00:50	
61551-15	As	-2.31302	-1.86085	-2.76518	27.64577	ug/L	09/30/10	00:50	
61551-15	B	345.76177	347.22326	344.30032	0.59776	ug/L	09/30/10	00:50	
61551-15	Ba	6.94773	6.91890	6.97656	0.58681	ug/L	09/30/10	00:50	
61551-15	Be	0.00643	-0.00320	0.01607	211.76329	ug/L	09/30/10	00:50	
61551-15	Ca	435.77447	433.90252	437.64639	0.60749	ug/L	09/30/10	00:50	
61551-15	Cd	-0.04285	-0.02873	-0.05696	46.58705	ug/L	09/30/10	00:50	
61551-15	Co	-0.63122	-0.64517	-0.61726	3.12632	ug/L	09/30/10	00:50	
61551-15	Cr	-0.08194	0.25964	-0.42353	589.52795	ug/L	09/30/10	00:50	
61551-15	Cu	-1.80411	-1.67160	-1.93662	10.38716	ug/L	09/30/10	00:50	
61551-15	Fe	7.92564	-5.01657	20.86785	230.93469	ug/L	09/30/10	00:50	
61551-15	2Fe	0.00792	-0.00501	0.02086	230.93946	mg/L	09/30/10	00:50	
61551-15	K	1090.99731	1074.42053	1107.57409	2.14877	ug/L	09/30/10	00:50	
61551-15	Mg	100.38714	100.23452	100.53977	0.21500	ug/L	09/30/10	00:50	
61551-15	2Mg	0.10035	0.10020	0.10050	0.21181	mg/L	09/30/10	00:50	
61551-15	Mn	0.42371	0.41099	0.43642	4.24358	ug/L	09/30/10	00:50	
61551-15	Mo	0.40728	0.14936	0.66520	89.55813	ug/L	09/30/10	00:50	
61551-15	Na	228289.00000	227187.85937	229390.15625	0.68214	ug/L	09/30/10	00:50	
61551-15	Ni	1.05182	1.45641	0.64724	54.39760	ug/L	09/30/10	00:50	
61551-15	Pb	0.51033	1.24819	-0.22752	204.47268	ug/L	09/30/10	00:50	
61551-15	Se	3.00483	4.90308	1.10658	89.34037	ug/L	09/30/10	00:50	
61551-15	Sb	-0.54926	-1.03200	-0.06653	124.29061	ug/L	09/30/10	00:50	
61551-15	Sn	-0.94253	-1.03536	-0.84971	13.92774	ug/L	09/30/10	00:50	
61551-15	Sr	34.55491	34.60888	34.50093	0.22089	ug/L	09/30/10	00:50	
61551-15	Ti	-0.17708	-0.17636	-0.17780	0.57585	ug/L	09/30/10	00:50	
61551-15	Tl	1.09603	0.31045	1.88161	101.36305	ug/L	09/30/10	00:50	
61551-15	V	0.67666	0.24546	1.10786	90.12044	ug/L	09/30/10	00:50	
61551-15	Zn	10.44049	10.45695	10.42403	0.22289	ug/L	09/30/10	00:50	
61551-15	2203/1	5.96758	4.98234	6.95283	23.34858	ug/L	09/30/10	00:50	
61551-15	2203/2	-2.21420	-0.61607	-3.81232	102.07263	ug/L	09/30/10	00:50	
61551-15	1960/1	8.35369	10.54665	6.16073	37.12505	ug/L	09/30/10	00:50	
61551-15	1960/2	0.33441	2.08553	-1.41670	740.52838	ug/L	09/30/10	00:50	
61551-15	Y	1081.79272	1083.41198	1080.17358	0.21167		09/30/10	00:50	
61551-16	Ag	0.75519	0.43615	1.07424	59.74581	ug/L	09/30/10	00:55	
61551-16	Al	66.77676	65.65304	67.90047	2.37982	ug/L	09/30/10	00:55	
61551-16	2Al	0.06678	0.06565	0.06790	2.37985	mg/L	09/30/10	00:55	
61551-16	As	0.82088	0.59421	1.04755	39.05094	ug/L	09/30/10	00:55	
61551-16	B	353.23596	353.16345	353.30844	0.02902	ug/L	09/30/10	00:55	
61551-16	Ba	8.59150	8.53340	8.64960	0.95632	ug/L	09/30/10	00:55	
61551-16	Be	0.02595	0.00908	0.04282	91.89676	ug/L	09/30/10	00:55	
61551-16	Ca	416.64422	416.24392	417.04455	0.13587	ug/L	09/30/10	00:55	
61551-16	Cd	-0.14832	-0.03132	-0.26533	111.55941	ug/L	09/30/10	00:55	
61551-16	Co	-0.25151	-0.34751	-0.15550	53.98342	ug/L	09/30/10	00:55	
61551-16	Cr	0.29857	0.01959	0.57756	132.14086	ug/L	09/30/10	00:55	
61551-16	Cu	-0.12888	-0.22187	-0.03588	102.04328	ug/L	09/30/10	00:55	
61551-16	Fe	15.15242	16.33852	13.96632	11.07019	ug/L	09/30/10	00:55	
61551-16	2Fe	0.01515	0.01633	0.01396	11.06971	mg/L	09/30/10	00:55	
61551-16	K	1153.28051	1145.38537	1161.17553	0.96813	ug/L	09/30/10	00:55	
61551-16	Mg	106.22720	106.59193	105.86246	0.48557	ug/L	09/30/10	00:55	
61551-16	2Mg	0.10619	0.10655	0.10583	0.48525	mg/L	09/30/10	00:55	
61551-16	Mn	0.51041	0.43615	0.58468	20.57596	ug/L	09/30/10	00:55	
61551-16	Mo	-0.25599	-0.58931	0.07732	184.14067	ug/L	09/30/10	00:55	
61551-16	Na	232546.37500	233885.14062	231207.62500	0.81415	ug/L	09/30/10	00:55	
61551-16	Ni	-0.13894	-0.29243	0.01454	156.23039	ug/L	09/30/10	00:55	
61551-16	Pb	1.53690	1.34651	1.72729	17.51929	ug/L	09/30/10	00:55	
61551-16	Se	-0.01262	-1.27740	1.25214	14163.12792	ug/L	09/30/10	00:55	
61551-16	Sb	0.42792	-2.44486	3.30071	949.40283	ug/L	09/30/10	00:55	
61551-16	Sn	-2.89035	-5.84089	0.06018	144.36593	ug/L	09/30/10	00:55	
61551-16	Sr	35.36661	35.25810	35.47511	0.43388	ug/L	09/30/10	00:55	
61551-16	Ti	0.93302	0.91381	0.95222	2.91138	ug/L	09/30/10	00:55	
61551-16	Tl	0.82428	-0.88391	2.53248	293.07449	ug/L	09/30/10	00:55	
61551-16	V	1.21014	1.00794	1.41234	23.62948	ug/L	09/30/10	00:55	
61551-16	Zn	8.28850	8.25362	8.32338	0.59516	ug/L	09/30/10	00:55	
61551-16	2203/1	4.93856	2.92478	6.95234	57.66676	ug/L	09/30/10	00:55	
61551-16	2203/2	-0.16138	0.55855	-0.88131	630.89489	ug/L	09/30/10	00:55	
61551-16	1960/1	2.02791	2.35287	1.70296	22.66148	ug/L	09/30/10	00:55	
61551-16	1960/2	-1.03137	-3.08981	1.02707	282.25286	ug/L	09/30/10	00:55	
61551-16	Y	1084.30517	1080.57836	1088.03198	0.48607		09/30/10	00:55	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-17	Ag	1.33167	1.86166	0.80168	56.28377	ug/L	09/30/10	01:00	
61551-17	Al	193.99426	196.01107	191.97744	1.47025	ug/L	09/30/10	01:00	
61551-17	2Al	0.19400	0.19602	0.19198	1.47023	mg/L	09/30/10	01:00	
61551-17	As	-2.51377	-3.18459	-1.84294	37.73963	ug/L	09/30/10	01:00	
61551-17	B	352.49426	353.89202	351.09652	0.56078	ug/L	09/30/10	01:00	
61551-17	Ba	7.57399	7.65258	7.49540	1.46741	ug/L	09/30/10	01:00	
61551-17	Be	0.01673	0.01685	0.01660	1.05223	ug/L	09/30/10	01:00	
61551-17	Ca	453.11715	454.03405	452.20025	0.28617	ug/L	09/30/10	01:00	
61551-17	Cd	0.06086	0.04007	0.08164	48.29780	ug/L	09/30/10	01:00	
61551-17	Co	-0.43651	0.15706	-1.03008	192.30648	ug/L	09/30/10	01:00	
61551-17	Cr	0.58783	0.67301	0.50264	20.49350	ug/L	09/30/10	01:00	
61551-17	Cu	-0.59809	-0.19282	-1.00337	95.82848	ug/L	09/30/10	01:00	
61551-17	Fe	27.73699	30.10370	25.37028	12.06702	ug/L	09/30/10	01:00	
61551-17	2Fe	0.02773	0.03010	0.02536	12.06820	mg/L	09/30/10	01:00	
61551-17	K	1146.70971	1168.25524	1125.16406	2.65717	ug/L	09/30/10	01:00	
61551-17	Mg	114.72888	119.85599	109.60177	6.31996	ug/L	09/30/10	01:00	
61551-17	2Mg	0.11469	0.11981	0.10956	6.31971	mg/L	09/30/10	01:00	
61551-17	Mn	0.65243	0.69183	0.61303	8.53993	ug/L	09/30/10	01:00	
61551-17	Mo	0.89051	1.33727	0.44375	70.94970	ug/L	09/30/10	01:00	
61551-17	Na	233013.95312	234781.46875	231246.43750	1.07274	ug/L	09/30/10	01:00	
61551-17	Ni	0.31108	-0.02566	0.64783	153.08959	ug/L	09/30/10	01:00	
61551-17	Pb	0.77078	-0.06146	1.60304	152.69851	ug/L	09/30/10	01:00	
61551-17	Se	2.91382	1.67022	4.15741	60.35733	ug/L	09/30/10	01:00	
61551-17	Sb	1.47788	2.88128	0.07449	134.29325	ug/L	09/30/10	01:00	
61551-17	Sn	-3.64068	-2.63782	-4.64354	38.95572	ug/L	09/30/10	01:00	
61551-17	Sr	35.51485	35.57226	35.45745	0.22858	ug/L	09/30/10	01:00	
61551-17	Ti	0.31570	0.50918	0.12222	86.67192	ug/L	09/30/10	01:00	
61551-17	Tl	3.35056	4.87335	1.82777	64.27426	ug/L	09/30/10	01:00	
61551-17	V	1.17121	1.58532	0.75710	50.00259	ug/L	09/30/10	01:00	
61551-17	Zn	13.95763	14.24808	13.66718	2.94287	ug/L	09/30/10	01:00	
61551-17	2203/1	6.72028	4.68950	8.75107	42.73578	ug/L	09/30/10	01:00	
61551-17	2203/2	-2.19950	-2.43338	-1.96561	15.03799	ug/L	09/30/10	01:00	
61551-17	1960/1	6.31863	5.04162	7.59564	28.58163	ug/L	09/30/10	01:00	
61551-17	1960/2	1.21396	-0.01294	2.44087	142.92880	ug/L	09/30/10	01:00	
61551-17	Y	1075.90551	1070.85437	1080.95678	0.66395		09/30/10	01:00	
61551-18	Ag	1.09948	0.89348	1.30549	26.49765	ug/L	09/30/10	01:05	
61551-18	Al	74.25051	72.38413	76.11691	3.55482	ug/L	09/30/10	01:05	
61551-18	2Al	0.07425	0.07238	0.07612	3.55484	mg/L	09/30/10	01:05	
61551-18	As	-1.28493	-3.41854	0.84866	234.82652	ug/L	09/30/10	01:05	
61551-18	B	361.52407	362.62786	360.42028	0.43178	ug/L	09/30/10	01:05	
61551-18	Ba	7.46059	7.46597	7.45521	0.10196	ug/L	09/30/10	01:05	
61551-18	Be	0.00818	0.00207	0.01429	105.50269	ug/L	09/30/10	01:05	
61551-18	Ca	457.70843	457.66030	457.75653	0.01486	ug/L	09/30/10	01:05	
61551-18	Cd	-0.13011	-0.17600	-0.08422	49.88023	ug/L	09/30/10	01:05	
61551-18	Co	0.03002	0.15598	-0.09593	593.25634	ug/L	09/30/10	01:05	
61551-18	Cr	0.38621	0.34798	0.42445	14.00104	ug/L	09/30/10	01:05	
61551-18	Cu	-0.71243	-0.41854	-1.00632	58.33846	ug/L	09/30/10	01:05	
61551-18	Fe	32.26210	28.97523	35.54897	14.40802	ug/L	09/30/10	01:05	
61551-18	2Fe	0.03225	0.02897	0.03554	14.40777	mg/L	09/30/10	01:05	
61551-18	K	1175.13232	1170.44982	1179.81494	0.56352	ug/L	09/30/10	01:05	
61551-18	Mg	114.90386	116.81735	112.99038	2.35508	ug/L	09/30/10	01:05	
61551-18	2Mg	0.11486	0.11677	0.11295	2.35594	mg/L	09/30/10	01:05	
61551-18	Mn	0.49341	0.56092	0.42590	19.34850	ug/L	09/30/10	01:05	
61551-18	Mo	0.29601	0.51823	0.07380	106.16233	ug/L	09/30/10	01:05	
61551-18	Na	238651.71875	239639.28125	237664.15625	0.58521	ug/L	09/30/10	01:05	
61551-18	Ni	0.06080	0.39798	-0.27636	784.15869	ug/L	09/30/10	01:05	
61551-18	Pb	0.96057	0.68882	1.23233	40.00933	ug/L	09/30/10	01:05	
61551-18	Se	1.92429	-0.07881	3.92740	147.21385	ug/L	09/30/10	01:05	
61551-18	Sb	-0.75902	-2.59756	1.07950	342.55493	ug/L	09/30/10	01:05	
61551-18	Sn	-1.72148	-1.67916	-1.76380	3.47648	ug/L	09/30/10	01:05	
61551-18	Sr	36.39447	36.41226	36.37669	0.06909	ug/L	09/30/10	01:05	
61551-18	Ti	0.04620	0.20680	-0.11440	491.59265	ug/L	09/30/10	01:05	
61551-18	Tl	2.23484	3.16017	1.30950	58.55524	ug/L	09/30/10	01:05	
61551-18	V	1.37469	1.37758	1.37180	0.29753	ug/L	09/30/10	01:05	
61551-18	Zn	9.93982	9.87714	10.00251	0.89188	ug/L	09/30/10	01:05	
61551-18	2203/1	5.80592	6.92919	4.68266	27.36057	ug/L	09/30/10	01:05	
61551-18	2203/2	-1.45846	-2.42668	-0.49024	93.88456	ug/L	09/30/10	01:05	
61551-18	1960/1	4.17188	2.76581	5.57795	47.66390	ug/L	09/30/10	01:05	
61551-18	1960/2	0.80218	-1.49900	3.10336	405.68896	ug/L	09/30/10	01:05	
61551-18	Y	1074.09716	1070.52880	1077.66564	0.46983		09/30/10	01:05	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-19	Ag	1.37230	1.53268	1.21193	16.52697	ug/L	09/30/10	01:10	
61551-19	Al	343.73532	344.71475	342.75588	0.40296	ug/L	09/30/10	01:10	
61551-19	2Al	0.34375	0.34473	0.34277	0.40295	mg/L	09/30/10	01:10	
61551-19	As	-3.78592	-2.05196	-5.51989	64.77134	ug/L	09/30/10	01:10	
61551-19	B	341.93695	342.21176	341.66217	0.11365	ug/L	09/30/10	01:10	
61551-19	Ba	7.40121	7.46024	7.34218	1.12798	ug/L	09/30/10	01:10	
61551-19	Be	0.02095	0.03068	0.01121	65.70513	ug/L	09/30/10	01:10	
61551-19	Ca	425.94439	427.12121	424.76754	0.39073	ug/L	09/30/10	01:10	
61551-19	Cd	-0.06180	-0.05584	-0.06776	13.63651	ug/L	09/30/10	01:10	
61551-19	Co	-0.27519	-0.34575	-0.20463	36.26116	ug/L	09/30/10	01:10	
61551-19	Cr	0.56236	0.62391	0.50081	15.47786	ug/L	09/30/10	01:10	
61551-19	Cu	-0.72187	-1.12978	-0.31397	79.91212	ug/L	09/30/10	01:10	
61551-19	Fe	20.79602	16.34699	25.24505	30.25518	ug/L	09/30/10	01:10	
61551-19	2Fe	0.02079	0.01634	0.02524	30.25497	mg/L	09/30/10	01:10	
61551-19	K	1133.22753	1136.78527	1129.66992	0.44398	ug/L	09/30/10	01:10	
61551-19	Mg	106.45042	103.54328	109.35756	3.86218	ug/L	09/30/10	01:10	
61551-19	2Mg	0.10641	0.10351	0.10932	3.86131	mg/L	09/30/10	01:10	
61551-19	Mn	0.62406	0.55434	0.69378	15.79995	ug/L	09/30/10	01:10	
61551-19	Mo	0.92139	-0.14654	1.98934	163.91410	ug/L	09/30/10	01:10	
61551-19	Na	224995.46875	225087.51562	224903.43750	0.05785	ug/L	09/30/10	01:10	
61551-19	Ni	0.86169	1.84460	-0.12121	161.31530	ug/L	09/30/10	01:10	
61551-19	Pb	2.23054	1.55812	2.90295	42.63248	ug/L	09/30/10	01:10	
61551-19	Se	4.15366	5.47963	2.82769	45.14587	ug/L	09/30/10	01:10	
61551-19	Sb	1.05684	1.47072	0.64296	55.38281	ug/L	09/30/10	01:10	
61551-19	Sn	-1.25347	-0.79561	-1.71132	51.65670	ug/L	09/30/10	01:10	
61551-19	Sr	34.84643	34.87162	34.82124	0.10223	ug/L	09/30/10	01:10	
61551-19	Ti	0.66710	0.52862	0.80559	29.35780	ug/L	09/30/10	01:10	
61551-19	Tl	0.39315	-2.57701	3.36333	1068.38476	ug/L	09/30/10	01:10	
61551-19	V	1.08797	1.57210	0.60384	62.92994	ug/L	09/30/10	01:10	
61551-19	Zn	13.30407	13.48043	13.12771	1.87468	ug/L	09/30/10	01:10	
61551-19	2203/1	6.87526	9.69082	4.05970	57.91497	ug/L	09/30/10	01:10	
61551-19	2203/2	-0.08833	-2.50212	2.32544	3864.28979	ug/L	09/30/10	01:10	
61551-19	1960/1	6.41834	11.05745	1.77923	102.21779	ug/L	09/30/10	01:10	
61551-19	1960/2	3.02302	2.69491	3.35113	15.34956	ug/L	09/30/10	01:10	
61551-19	Y	1081.99963	1080.62243	1083.37683	0.18000		09/30/10	01:10	
61551-20	Ag	0.42996	0.01257	0.84736	137.28440	ug/L	09/30/10	01:16	
61551-20	Al	104.36231	102.12287	106.60176	3.03467	ug/L	09/30/10	01:16	
61551-20	2Al	0.10436	0.10212	0.10660	3.03468	mg/L	09/30/10	01:16	
61551-20	As	0.40296	0.13635	0.66957	93.56803	ug/L	09/30/10	01:16	
61551-20	B	361.04711	362.44125	359.65301	0.54607	ug/L	09/30/10	01:16	
61551-20	Ba	7.16304	7.05092	7.27516	2.21365	ug/L	09/30/10	01:16	
61551-20	Be	0.01179	0.00489	0.01870	82.75324	ug/L	09/30/10	01:16	
61551-20	Ca	400.81958	398.78662	402.85250	0.71728	ug/L	09/30/10	01:16	
61551-20	Cd	-0.06334	-0.22809	0.10140	367.83511	ug/L	09/30/10	01:16	
61551-20	Co	-0.68134	-1.04715	-0.31552	75.92942	ug/L	09/30/10	01:16	
61551-20	Cr	0.06564	-0.18019	0.31149	529.61871	ug/L	09/30/10	01:16	
61551-20	Cu	-0.45285	-0.88703	-0.01867	135.58802	ug/L	09/30/10	01:16	
61551-20	Fe	9.81217	-5.02957	24.65391	213.91183	ug/L	09/30/10	01:16	
61551-20	2Fe	0.00981	-0.00502	0.02465	213.91763	mg/L	09/30/10	01:16	
61551-20	K	1158.56042	1132.18371	1184.93713	3.21971	ug/L	09/30/10	01:16	
61551-20	Mg	109.80918	108.19052	111.42785	2.08465	ug/L	09/30/10	01:16	
61551-20	2Mg	0.10977	0.10816	0.11139	2.08131	mg/L	09/30/10	01:16	
61551-20	Mn	0.40336	0.39695	0.40977	2.24771	ug/L	09/30/10	01:16	
61551-20	Mo	-1.57891	-3.00163	-0.15620	127.43029	ug/L	09/30/10	01:16	
61551-20	Na	239980.60937	239549.50000	240411.71875	0.25405	ug/L	09/30/10	01:16	
61551-20	Ni	0.04757	0.15058	-0.05543	306.22317	ug/L	09/30/10	01:16	
61551-20	Pb	1.09808	1.34991	0.84626	32.43219	ug/L	09/30/10	01:16	
61551-20	Se	-0.88921	-2.49701	0.71858	255.70559	ug/L	09/30/10	01:16	
61551-20	Sb	-0.26171	-1.32442	0.80100	574.25506	ug/L	09/30/10	01:16	
61551-20	Sn	-5.76534	-7.11201	-4.41868	33.03298	ug/L	09/30/10	01:16	
61551-20	Sr	36.39181	36.41438	36.36924	0.08769	ug/L	09/30/10	01:16	
61551-20	Ti	-0.14218	-0.09842	-0.18593	43.51827	ug/L	09/30/10	01:16	
61551-20	Tl	-3.95332	-4.72623	-3.18041	27.64905	ug/L	09/30/10	01:16	
61551-20	V	0.68168	0.08371	1.27965	124.05395	ug/L	09/30/10	01:16	
61551-20	Zn	13.98530	14.07311	13.89750	0.88788	ug/L	09/30/10	01:16	
61551-20	2203/1	3.81682	4.77599	2.85765	35.53919	ug/L	09/30/10	01:16	
61551-20	2203/2	-0.25924	-0.36055	-0.15792	55.27016	ug/L	09/30/10	01:16	
61551-20	1960/1	-0.14268	-0.63959	0.35422	492.51812	ug/L	09/30/10	01:16	
61551-20	1960/2	-1.26192	-3.42433	0.90049	242.33772	ug/L	09/30/10	01:16	
61551-20	Y	1063.89794	1064.57116	1063.22485	0.08948		09/30/10	01:16	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-20S	Ag	52.84663	53.04677	52.64648	0.53559	ug/L	09/30/10	01:21	
61551-20S	Al	2148.87597	2148.57275	2149.17919	0.01995	ug/L	09/30/10	01:21	
61551-20S	2Al	2.14887	2.14867	2.14907	0.01319	mg/L	09/30/10	01:21	
61551-20S	As	2035.74658	2037.23303	2034.26025	0.10325	ug/L	09/30/10	01:21	
61551-20S	B	1391.67602	1391.59814	1391.75402	0.00792	ug/L	09/30/10	01:21	
61551-20S	Ba	2108.78100	2110.87426	2106.68774	0.14038	ug/L	09/30/10	01:21	
61551-20S	Be	52.40394	52.41004	52.39785	0.01645	ug/L	09/30/10	01:21	
61551-20S	Ca	5528.65234	5531.84277	5525.46240	0.08160	ug/L	09/30/10	01:21	
61551-20S	Cd	53.44072	53.57405	53.30739	0.35283	ug/L	09/30/10	01:21	
61551-20S	Co	524.88000	524.67645	525.08349	0.05483	ug/L	09/30/10	01:21	
61551-20S	Cr	211.04336	211.59378	210.49293	0.36884	ug/L	09/30/10	01:21	
61551-20S	Cu	259.82632	260.05966	259.59298	0.12700	ug/L	09/30/10	01:21	
61551-20S	Fe	1048.64392	1044.29858	1052.98925	0.58601	ug/L	09/30/10	01:21	
61551-20S	2Fe	1.04872	1.04438	1.05307	0.58590	mg/L	09/30/10	01:21	
61551-20S	K	7810.75976	7804.25292	7817.26660	0.11781	ug/L	09/30/10	01:21	
61551-20S	Mg	5242.14453	5245.92675	5238.36279	0.10202	ug/L	09/30/10	01:21	
61551-20S	2Mg	5.24071	5.24450	5.23693	0.10204	mg/L	09/30/10	01:21	
61551-20S	Mn	522.99835	523.09722	522.89947	0.02673	ug/L	09/30/10	01:21	
61551-20S	Mo	527.58544	528.13830	527.03265	0.14818	ug/L	09/30/10	01:21	
61551-20S	Na	238112.59375	238056.92187	238168.25000	0.03306	ug/L	09/30/10	01:21	
61551-20S	Ni	519.87310	519.35058	520.39562	0.14214	ug/L	09/30/10	01:21	
61551-20S	Pb	518.29321	516.84606	519.74041	0.39487	ug/L	09/30/10	01:21	
61551-20S	Se	2092.54101	2093.17529	2091.90673	0.04286	ug/L	09/30/10	01:21	
61551-20S	Sb	509.97900	508.22601	511.73202	0.48612	ug/L	09/30/10	01:21	
61551-20S	Sn	1046.52661	1043.84179	1049.21130	0.36280	ug/L	09/30/10	01:21	
61551-20S	Sr	579.66937	579.84912	579.48962	0.04385	ug/L	09/30/10	01:21	
61551-20S	Ti	719.10705	719.06695	719.14721	0.00789	ug/L	09/30/10	01:21	
61551-20S	Tl	2179.82836	2179.31201	2180.34472	0.03349	ug/L	09/30/10	01:21	
61551-20S	V	508.88198	508.27087	509.49310	0.16983	ug/L	09/30/10	01:21	
61551-20S	Zn	546.52703	546.18646	546.86761	0.08812	ug/L	09/30/10	01:21	
61551-20S	2203/1	515.90826	516.14514	515.67138	0.06493	ug/L	09/30/10	01:21	
61551-20S	2203/2	519.48388	517.19598	521.77185	0.62285	ug/L	09/30/10	01:21	
61551-20S	1960/1	2064.35156	2054.02441	2074.67846	0.70746	ug/L	09/30/10	01:21	
61551-20S	1960/2	2106.61401	2112.72070	2100.50732	0.40995	ug/L	09/30/10	01:21	
61551-20S	Y	1069.56518	1071.61999	1067.51037	0.27169		09/30/10	01:21	
61551-20SD	Ag	51.78896	51.46939	52.10854	0.87267	ug/L	09/30/10	01:26	
61551-20SD	Al	2101.14208	2098.88696	2103.39721	0.15178	ug/L	09/30/10	01:26	
61551-20SD	2Al	2.10113	2.09878	2.10349	0.15869	mg/L	09/30/10	01:26	
61551-20SD	As	1993.16430	1994.13452	1992.19396	0.06884	ug/L	09/30/10	01:26	
61551-20SD	B	1370.10095	1371.62756	1368.57434	0.15757	ug/L	09/30/10	01:26	
61551-20SD	Ba	2065.79516	2067.20703	2064.38330	0.09665	ug/L	09/30/10	01:26	
61551-20SD	Be	51.30922	51.32963	51.28881	0.05626	ug/L	09/30/10	01:26	
61551-20SD	Ca	5425.23974	5423.35498	5427.12451	0.04913	ug/L	09/30/10	01:26	
61551-20SD	Cd	52.19724	52.03897	52.35551	0.42881	ug/L	09/30/10	01:26	
61551-20SD	Co	515.05175	515.13861	514.96484	0.02385	ug/L	09/30/10	01:26	
61551-20SD	Cr	206.18673	205.92062	206.45285	0.18252	ug/L	09/30/10	01:26	
61551-20SD	Cu	255.67898	255.77622	255.58172	0.05379	ug/L	09/30/10	01:26	
61551-20SD	Fe	1057.71557	1047.40612	1068.02502	1.37841	ug/L	09/30/10	01:26	
61551-20SD	2Fe	1.05779	1.04748	1.06810	1.37814	mg/L	09/30/10	01:26	
61551-20SD	K	7662.72656	7625.95019	7699.50341	0.67873	ug/L	09/30/10	01:26	
61551-20SD	Mg	5149.43066	5149.85351	5149.00781	0.01161	ug/L	09/30/10	01:26	
61551-20SD	2Mg	5.14802	5.14845	5.14760	0.01166	mg/L	09/30/10	01:26	
61551-20SD	Mn	512.73791	512.97753	512.49822	0.06610	ug/L	09/30/10	01:26	
61551-20SD	Mo	517.23681	516.66156	517.81213	0.15729	ug/L	09/30/10	01:26	
61551-20SD	Na	234190.46875	233086.12500	235294.82812	0.66688	ug/L	09/30/10	01:26	
61551-20SD	Ni	508.28161	507.81057	508.75262	0.13105	ug/L	09/30/10	01:26	
61551-20SD	Pb	509.14489	508.66369	509.62606	0.13365	ug/L	09/30/10	01:26	
61551-20SD	Se	2044.78295	2041.61938	2047.94641	0.21879	ug/L	09/30/10	01:26	
61551-20SD	Sb	499.68908	499.68661	499.69158	0.00070	ug/L	09/30/10	01:26	
61551-20SD	Sn	1032.07421	1031.53637	1032.61206	0.07369	ug/L	09/30/10	01:26	
61551-20SD	Sr	571.59259	571.24438	571.94079	0.08615	ug/L	09/30/10	01:26	
61551-20SD	Ti	707.46929	707.71844	707.22015	0.04980	ug/L	09/30/10	01:26	
61551-20SD	Tl	2144.37402	2143.00781	2145.73999	0.09009	ug/L	09/30/10	01:26	
61551-20SD	V	500.03924	499.93292	500.14559	0.03007	ug/L	09/30/10	01:26	
61551-20SD	Zn	535.95349	536.12365	535.78338	0.04489	ug/L	09/30/10	01:26	
61551-20SD	2203/1	510.58197	509.45254	511.71139	0.31282	ug/L	09/30/10	01:26	
61551-20SD	2203/2	508.42739	508.26983	508.58496	0.04382	ug/L	09/30/10	01:26	
61551-20SD	1960/1	2003.33764	2008.89746	1997.77783	0.39248	ug/L	09/30/10	01:26	
61551-20SD	1960/2	2065.47363	2057.95507	2072.99243	0.51479	ug/L	09/30/10	01:26	
61551-20SD	Y	1068.99755	1067.95043	1070.04479	0.13853		09/30/10	01:26	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	505.03033	507.24554	502.81509	0.62031	ug/L	09/30/10	01:31	
CCV	Al	4922.46093	4927.22900	4917.69287	0.13698	ug/L	09/30/10	01:31	
CCV	2Al	4.92255	4.92742	4.91768	0.13989	mg/L	09/30/10	01:31	
CCV	As	501.91693	503.52319	500.31066	0.45258	ug/L	09/30/10	01:31	
CCV	B	5092.19726	5098.62744	5085.76757	0.17857	ug/L	09/30/10	01:31	
CCV	Ba	5040.81542	5046.38183	5035.24902	0.15616	ug/L	09/30/10	01:31	
CCV	Be	517.16223	518.93334	515.39117	0.48431	ug/L	09/30/10	01:31	
CCV	Ca	5075.52050	5098.99804	5052.04345	0.65415	ug/L	09/30/10	01:31	
CCV	Cd	517.89013	520.43103	515.34924	0.69384	ug/L	09/30/10	01:31	
CCV	Co	511.35314	512.66906	510.03726	0.36392	ug/L	09/30/10	01:31	
CCV	Cr	5137.75000	5158.63671	5116.86279	0.57493	ug/L	09/30/10	01:31	
CCV	Cu	5012.63378	5022.41699	5002.85058	0.27601	ug/L	09/30/10	01:31	
CCV	Fe	5012.72753	5033.37304	4992.08251	0.58245	ug/L	09/30/10	01:31	
CCV	2Fe	5.01273	5.03337	4.99208	0.58244	mg/L	09/30/10	01:31	
CCV	K	10134.58007	10178.01953	10091.14160	0.60616	ug/L	09/30/10	01:31	
CCV	Mg	5065.69921	5088.07177	5043.32617	0.62459	ug/L	09/30/10	01:31	
CCV	2Mg	5.06573	5.08810	5.04336	0.62454	mg/L	09/30/10	01:31	
CCV	Mn	5127.20703	5146.03466	5108.37939	0.51931	ug/L	09/30/10	01:31	
CCV	Mo	509.75280	510.71908	508.78649	0.26807	ug/L	09/30/10	01:31	
CCV	Na	7845.38574	7997.14160	7693.62939	2.73556	ug/L	09/30/10	01:31	
CCV	Ni	2547.65820	2558.59155	2536.72509	0.60690	ug/L	09/30/10	01:31	
CCV	Pb	510.95831	512.70117	509.21542	0.48238	ug/L	09/30/10	01:31	
CCV	Se	5091.56591	5116.40380	5066.72802	0.68988	ug/L	09/30/10	01:31	
CCV	Sb	494.59564	496.92645	492.26483	0.66645	ug/L	09/30/10	01:31	
CCV	Sn	5117.02343	5136.07910	5097.96777	0.52664	ug/L	09/30/10	01:31	
CCV	Sr	2603.53076	2610.87451	2596.18676	0.39891	ug/L	09/30/10	01:31	
CCV	Ti	503.02621	504.51119	501.54122	0.41749	ug/L	09/30/10	01:31	
CCV	Tl	5183.19628	5206.60156	5159.79101	0.63860	ug/L	09/30/10	01:31	
CCV	V	5024.38134	5040.56640	5008.19628	0.45556	ug/L	09/30/10	01:31	
CCV	Zn	2563.64892	2574.68286	2552.61523	0.60867	ug/L	09/30/10	01:31	
CCV	2203/1	510.22460	514.62799	505.82125	1.22050	ug/L	09/30/10	01:31	
CCV	2203/2	511.32052	511.73513	510.90591	0.11467	ug/L	09/30/10	01:31	
CCV	1960/1	5030.45898	5059.47363	5001.44384	0.81569	ug/L	09/30/10	01:31	
CCV	1960/2	5122.07373	5144.82617	5099.32128	0.62819	ug/L	09/30/10	01:31	
CCV	Y	1073.75842	1068.35522	1079.16162	0.71163		09/30/10	01:31	
CCB	Ag	1.17055	0.33955	2.00155	100.39746	ug/L	09/30/10	01:36	
CCB	Al	13.47241	5.99822	20.94660	78.45738	ug/L	09/30/10	01:36	
CCB	2Al	0.01347	0.00599	0.02094	78.45743	mg/L	09/30/10	01:36	
CCB	As	-2.02617	-2.17895	-1.87339	10.66360	ug/L	09/30/10	01:36	
CCB	B	10.28625	9.95844	10.61406	4.50691	ug/L	09/30/10	01:36	
CCB	Ba	1.50496	0.23809	2.77182	119.04746	ug/L	09/30/10	01:36	
CCB	Be	0.13200	0.00142	0.26258	139.89079	ug/L	09/30/10	01:36	
CCB	Ca	-1.06703	-2.51764	0.38357	192.25959	ug/L	09/30/10	01:36	
CCB	Cd	0.18058	0.07885	0.28230	79.66712	ug/L	09/30/10	01:36	
CCB	Co	-0.33980	-1.17224	0.49263	346.44415	ug/L	09/30/10	01:36	
CCB	Cr	1.75310	0.14504	3.36116	129.72042	ug/L	09/30/10	01:36	
CCB	Cu	0.34524	-1.22729	1.91779	644.14678	ug/L	09/30/10	01:36	
CCB	Fe	5.19202	6.37024	4.01380	32.09255	ug/L	09/30/10	01:36	
CCB	2Fe	0.00519	0.00636	0.00401	32.08189	mg/L	09/30/10	01:36	
CCB	K	16.93161	10.78906	23.07416	51.30569	ug/L	09/30/10	01:36	
CCB	Mg	3.08839	0.00203	6.17475	141.32836	ug/L	09/30/10	01:36	
CCB	2Mg	0.00308	0.00000	0.00617	141.37713	mg/L	09/30/10	01:36	
CCB	Mn	1.36820	0.12068	2.61572	128.94744	ug/L	09/30/10	01:36	
CCB	Mo	1.93493	1.86031	2.00955	5.45388	ug/L	09/30/10	01:36	
CCB	Na	308.86145	349.66647	268.05639	18.68379	ug/L	09/30/10	01:36	
CCB	Ni	1.03967	0.37971	1.69963	89.77104	ug/L	09/30/10	01:36	
CCB	Pb	-0.16519	0.55331	-0.88371	615.09869	ug/L	09/30/10	01:36	
CCB	Se	2.94417	4.92986	0.95847	95.38158	ug/L	09/30/10	01:36	
CCB	Sb	-0.71362	-0.45031	-0.97694	52.18232	ug/L	09/30/10	01:36	
CCB	Sn	1.46604	2.48331	0.44877	98.13076	ug/L	09/30/10	01:36	
CCB	Sr	0.72993	0.04579	1.41407	132.54917	ug/L	09/30/10	01:36	
CCB	Ti	0.21384	0.03001	0.39768	121.57341	ug/L	09/30/10	01:36	
CCB	Tl	2.66858	1.26398	4.07318	74.43663	ug/L	09/30/10	01:36	
CCB	V	2.16872	1.05367	3.28377	72.71202	ug/L	09/30/10	01:36	
CCB	Zn	0.90536	0.16240	1.64832	116.05377	ug/L	09/30/10	01:36	
CCB	2203/1	4.71307	3.35767	6.06848	40.67055	ug/L	09/30/10	01:36	
CCB	2203/2	-2.60067	-0.84675	-4.35459	95.37577	ug/L	09/30/10	01:36	
CCB	1960/1	8.46292	6.21032	10.71553	37.64256	ug/L	09/30/10	01:36	
CCB	1960/2	0.18893	4.29060	-3.91273	3070.21801	ug/L	09/30/10	01:36	
CCB	Y	1069.43750	1069.48156	1069.39355	0.00581		09/30/10	01:36	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 181332	Ag	0.48356	0.98491	-0.01777	146.62109	ug/L	09/30/10	01:42	
PBW 181332	Al	12.59921	13.01628	12.18214	4.68144	ug/L	09/30/10	01:42	
PBW 181332	2Al	0.01259	0.01301	0.01218	4.68152	mg/L	09/30/10	01:42	
PBW 181332	As	-2.76728	-1.11957	-4.41498	84.20590	ug/L	09/30/10	01:42	
PBW 181332	B	2.00309	2.44167	1.56452	30.96392	ug/L	09/30/10	01:42	
PBW 181332	Ba	0.06909	0.08743	0.05074	37.54792	ug/L	09/30/10	01:42	
PBW 181332	Be	0.00198	0.00649	-0.00252	320.78833	ug/L	09/30/10	01:42	
PBW 181332	Ca	23.39244	23.64486	23.14002	1.52602	ug/L	09/30/10	01:42	
PBW 181332	Cd	0.08339	0.25770	-0.09091	295.60284	ug/L	09/30/10	01:42	
PBW 181332	Co	-1.12478	-1.16939	-1.08016	5.60943	ug/L	09/30/10	01:42	
PBW 181332	Cr	0.11941	-0.10070	0.33954	260.67837	ug/L	09/30/10	01:42	
PBW 181332	Cu	-2.08608	-2.33173	-1.84042	16.65378	ug/L	09/30/10	01:42	
PBW 181332	Fe	0.10499	8.55152	-8.34154	11377.00292	ug/L	09/30/10	01:42	
PBW 181332	2Fe	0.00010	0.00855	-0.00834	11412.34960	mg/L	09/30/10	01:42	
PBW 181332	K	17.83461	24.67679	10.99242	54.25577	ug/L	09/30/10	01:42	
PBW 181332	Mg	0.01312	3.06032	-3.03406	32826.08984	ug/L	09/30/10	01:42	
PBW 181332	2Mg	0.00001	0.00305	-0.00303	32481.22851	mg/L	09/30/10	01:42	
PBW 181332	Mn	0.33053	0.35581	0.30525	10.81741	ug/L	09/30/10	01:42	
PBW 181332	Mo	0.84846	0.51780	1.17913	55.11459	ug/L	09/30/10	01:42	
PBW 181332	Na	469.90142	575.96142	363.84143	31.91977	ug/L	09/30/10	01:42	
PBW 181332	Ni	-0.10696	0.18239	-0.39631	382.58715	ug/L	09/30/10	01:42	
PBW 181332	Pb	0.66982	0.22613	1.11351	93.67747	ug/L	09/30/10	01:42	
PBW 181332	Se	0.94314	0.65380	1.23248	43.38540	ug/L	09/30/10	01:42	
PBW 181332	Sb	-1.54838	-1.62845	-1.46830	7.31330	ug/L	09/30/10	01:42	
PBW 181332	Sn	-3.71065	-3.00936	-4.41194	26.72765	ug/L	09/30/10	01:42	
PBW 181332	Sr	-0.02259	-0.02570	-0.01949	19.45097	ug/L	09/30/10	01:42	
PBW 181332	Ti	-0.35198	-0.29008	-0.41389	24.87237	ug/L	09/30/10	01:42	
PBW 181332	Tl	0.16845	-3.35494	3.69184	2958.01513	ug/L	09/30/10	01:42	
PBW 181332	V	0.35800	0.22921	0.48679	50.87546	ug/L	09/30/10	01:42	
PBW 181332	Zn	2.77228	2.71845	2.82612	2.74633	ug/L	09/30/10	01:42	
PBW 181332	2203/1	6.77850	8.47061	5.08638	35.30302	ug/L	09/30/10	01:42	
PBW 181332	2203/2	-2.37993	-3.88993	-0.86994	89.72720	ug/L	09/30/10	01:42	
PBW 181332	1960/1	7.09937	8.69889	5.49985	31.86278	ug/L	09/30/10	01:42	
PBW 181332	1960/2	-2.13035	-3.36270	-0.89800	81.80840	ug/L	09/30/10	01:42	
PBW 181332	Y	1080.51684	1076.75036	1084.28320	0.49296		09/30/10	01:42	
LCSW-1	Ag	53.47521	53.73550	53.21492	0.68837	ug/L	09/30/10	01:47	
LCSW-1	Al	2045.55871	2048.34277	2042.77465	0.19247	ug/L	09/30/10	01:47	
LCSW-1	2Al	2.04555	2.04823	2.04287	0.18538	mg/L	09/30/10	01:47	
LCSW-1	As	2068.25537	2067.59155	2068.91943	0.04539	ug/L	09/30/10	01:47	
LCSW-1	B	1072.17614	1075.70031	1068.65197	0.46484	ug/L	09/30/10	01:47	
LCSW-1	Ba	2123.96533	2128.40234	2119.52832	0.29543	ug/L	09/30/10	01:47	
LCSW-1	Be	53.41600	53.52136	53.31063	0.27896	ug/L	09/30/10	01:47	
LCSW-1	Ca	5314.04101	5314.39062	5313.69189	0.00929	ug/L	09/30/10	01:47	
LCSW-1	Cd	53.93965	54.14766	53.73165	0.54535	ug/L	09/30/10	01:47	
LCSW-1	Co	536.03967	536.16607	535.91333	0.03334	ug/L	09/30/10	01:47	
LCSW-1	Cr	216.65667	216.38908	216.92425	0.17466	ug/L	09/30/10	01:47	
LCSW-1	Cu	259.85150	260.01739	259.68563	0.09027	ug/L	09/30/10	01:47	
LCSW-1	Fe	1054.02270	1050.62841	1057.41711	0.45542	ug/L	09/30/10	01:47	
LCSW-1	2Fe	1.05411	1.05071	1.05750	0.45532	mg/L	09/30/10	01:47	
LCSW-1	K	5309.28222	5301.09423	5317.46972	0.21809	ug/L	09/30/10	01:47	
LCSW-1	Mg	5305.89794	5305.74511	5306.05078	0.00407	ug/L	09/30/10	01:47	
LCSW-1	2Mg	5.30446	5.30430	5.30461	0.00404	mg/L	09/30/10	01:47	
LCSW-1	Mn	537.71228	537.99737	537.42724	0.07497	ug/L	09/30/10	01:47	
LCSW-1	Mo	538.94342	538.56860	539.31823	0.09835	ug/L	09/30/10	01:47	
LCSW-1	Na	5421.80761	5572.59716	5271.01806	3.93316	ug/L	09/30/10	01:47	
LCSW-1	Ni	529.22467	529.36602	529.08331	0.03777	ug/L	09/30/10	01:47	
LCSW-1	Pb	529.77465	530.86962	528.67968	0.29229	ug/L	09/30/10	01:47	
LCSW-1	Se	2118.11547	2117.80395	2118.42700	0.02079	ug/L	09/30/10	01:47	
LCSW-1	Sb	513.23083	511.52783	514.93377	0.46925	ug/L	09/30/10	01:47	
LCSW-1	Sn	1073.79443	1071.12011	1076.46875	0.35221	ug/L	09/30/10	01:47	
LCSW-1	Sr	558.44055	560.16503	556.71612	0.43670	ug/L	09/30/10	01:47	
LCSW-1	Ti	739.92315	741.12231	738.72399	0.22919	ug/L	09/30/10	01:47	
LCSW-1	Tl	2220.60839	2216.68334	2224.53344	0.24997	ug/L	09/30/10	01:47	
LCSW-1	V	521.12170	521.04443	521.19897	0.02096	ug/L	09/30/10	01:47	
LCSW-1	Zn	540.93261	540.42449	541.44073	0.13284	ug/L	09/30/10	01:47	
LCSW-1	2203/1	525.31213	522.92114	527.70306	0.64368	ug/L	09/30/10	01:47	
LCSW-1	2203/2	532.00256	534.83795	529.16723	0.75371	ug/L	09/30/10	01:47	
LCSW-1	1960/1	2082.97802	2085.39160	2080.56445	0.16386	ug/L	09/30/10	01:47	
LCSW-1	1960/2	2135.65722	2133.98510	2137.32934	0.11072	ug/L	09/30/10	01:47	
LCSW-1	Y	1067.58959	1067.00000	1068.17919	0.07810		09/30/10	01:47	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-21	Ag	1.14586	1.49008	0.80164	42.48360	ug/L	09/30/10	01:52	
61551-21	Al	71.95901	73.83212	70.08589	3.68123	ug/L	09/30/10	01:52	
61551-21	2Al	0.07196	0.07383	0.07008	3.68123	mg/L	09/30/10	01:52	
61551-21	As	-2.63686	-3.96829	-1.30543	71.40786	ug/L	09/30/10	01:52	
61551-21	B	347.85632	349.73278	345.97985	0.76287	ug/L	09/30/10	01:52	
61551-21	Ba	7.01136	7.04422	6.97850	0.66277	ug/L	09/30/10	01:52	
61551-21	Be	0.02147	0.01998	0.02297	9.82734	ug/L	09/30/10	01:52	
61551-21	Ca	392.49798	394.26986	390.72613	0.63842	ug/L	09/30/10	01:52	
61551-21	Cd	0.01193	-0.10779	0.13166	1418.65014	ug/L	09/30/10	01:52	
61551-21	Co	-0.34393	-0.20499	-0.48287	57.12827	ug/L	09/30/10	01:52	
61551-21	Cr	0.14266	0.62826	-0.34293	481.36193	ug/L	09/30/10	01:52	
61551-21	Cu	-1.08735	-1.14886	-1.02583	8.00044	ug/L	09/30/10	01:52	
61551-21	Fe	7.34196	-6.18270	20.86662	260.51300	ug/L	09/30/10	01:52	
61551-21	2Fe	0.00734	-0.00618	0.02086	260.51245	mg/L	09/30/10	01:52	
61551-21	K	1112.83288	1115.50329	1110.16247	0.33936	ug/L	09/30/10	01:52	
61551-21	Mg	108.41041	110.15871	106.66210	2.28066	ug/L	09/30/10	01:52	
61551-21	2Mg	0.10837	0.11012	0.10662	2.28383	mg/L	09/30/10	01:52	
61551-21	Mn	0.35494	0.40335	0.30653	19.28712	ug/L	09/30/10	01:52	
61551-21	Mo	0.07486	0.59203	-0.44231	976.99914	ug/L	09/30/10	01:52	
61551-21	Na	229492.03125	230289.31250	228694.76562	0.49130	ug/L	09/30/10	01:52	
61551-21	Ni	-0.61871	-0.76082	-0.47659	32.48374	ug/L	09/30/10	01:52	
61551-21	Pb	0.67358	1.14745	0.19970	99.49311	ug/L	09/30/10	01:52	
61551-21	Se	5.22106	5.59747	4.84464	10.19582	ug/L	09/30/10	01:52	
61551-21	Sb	0.00078	0.58552	-0.58394	105024.32812	ug/L	09/30/10	01:52	
61551-21	Sn	-0.91693	-1.02963	-0.80422	17.38222	ug/L	09/30/10	01:52	
61551-21	Sr	34.94900	35.02117	34.87683	0.29202	ug/L	09/30/10	01:52	
61551-21	Ti	0.08902	0.12076	0.05728	50.42652	ug/L	09/30/10	01:52	
61551-21	Tl	4.44911	4.52890	4.36933	2.53615	ug/L	09/30/10	01:52	
61551-21	V	1.08780	0.96454	1.21105	16.02343	ug/L	09/30/10	01:52	
61551-21	Zn	4.82590	5.02861	4.62320	5.94028	ug/L	09/30/10	01:52	
61551-21	2203/1	8.30172	8.72948	7.87395	7.28706	ug/L	09/30/10	01:52	
61551-21	2203/2	-3.13477	-2.63787	-3.63167	22.41712	ug/L	09/30/10	01:52	
61551-21	1960/1	7.41931	5.99333	8.84529	27.18097	ug/L	09/30/10	01:52	
61551-21	1960/2	4.12358	5.39984	2.84732	43.77029	ug/L	09/30/10	01:52	
61551-21	Y	1077.64355	1075.42163	1079.86560	0.29159		09/30/10	01:52	
61551-21L	Ag	0.82422	0.93933	0.70911	19.75055	ug/L	09/30/10	01:57	
61551-21L	Al	26.11001	28.54415	23.67588	13.18416	ug/L	09/30/10	01:57	
61551-21L	2Al	0.02611	0.02854	0.02367	13.18422	mg/L	09/30/10	01:57	
61551-21L	As	-1.01724	-1.49908	-0.53540	66.98735	ug/L	09/30/10	01:57	
61551-21L	B	70.96084	73.84357	68.07811	5.74513	ug/L	09/30/10	01:57	
61551-21L	Ba	1.41308	1.45578	1.37038	4.27359	ug/L	09/30/10	01:57	
61551-21L	Be	-0.00011	-0.01747	0.01724	21512.58593	ug/L	09/30/10	01:57	
61551-21L	Ca	75.93464	77.53763	74.33165	2.98542	ug/L	09/30/10	01:57	
61551-21L	Cd	0.06821	-0.22231	0.35874	602.30755	ug/L	09/30/10	01:57	
61551-21L	Co	0.01637	0.09655	-0.06380	692.39782	ug/L	09/30/10	01:57	
61551-21L	Cr	0.26499	0.54845	-0.01845	151.27050	ug/L	09/30/10	01:57	
61551-21L	Cu	-1.13941	-1.10017	-1.17865	4.87044	ug/L	09/30/10	01:57	
61551-21L	Fe	-4.51966	-11.89396	2.85463	230.74353	ug/L	09/30/10	01:57	
61551-21L	2Fe	-0.00451	-0.01189	0.00285	230.74310	mg/L	09/30/10	01:57	
61551-21L	K	180.14584	171.72041	188.57125	6.61427	ug/L	09/30/10	01:57	
61551-21L	Mg	19.94181	21.45381	18.42981	10.72265	ug/L	09/30/10	01:57	
61551-21L	2Mg	0.01993	0.02144	0.01842	10.73137	mg/L	09/30/10	01:57	
61551-21L	Mn	0.07799	0.07176	0.08422	11.29898	ug/L	09/30/10	01:57	
61551-21L	Mo	0.25900	-0.81881	1.33683	588.50170	ug/L	09/30/10	01:57	
61551-21L	Na	41202.39062	42700.60156	39704.17968	5.14239	ug/L	09/30/10	01:57	
61551-21L	Ni	-0.00569	-0.85646	0.84507	21130.02929	ug/L	09/30/10	01:57	
61551-21L	Pb	0.75579	2.20680	-0.69521	271.50656	ug/L	09/30/10	01:57	
61551-21L	Se	2.52554	-1.32200	6.37310	215.44868	ug/L	09/30/10	01:57	
61551-21L	Sb	0.18231	1.47950	-1.11486	1006.20733	ug/L	09/30/10	01:57	
61551-21L	Sn	-2.25025	-3.79184	-0.70865	96.88436	ug/L	09/30/10	01:57	
61551-21L	Sr	6.93153	7.12469	6.73836	3.94112	ug/L	09/30/10	01:57	
61551-21L	Ti	-0.02247	-0.03289	-0.01204	65.58970	ug/L	09/30/10	01:57	
61551-21L	Tl	0.42155	2.24794	-1.40482	612.70062	ug/L	09/30/10	01:57	
61551-21L	V	-0.12608	-0.38077	0.12861	285.68508	ug/L	09/30/10	01:57	
61551-21L	Zn	1.06051	1.25230	0.86872	25.57516	ug/L	09/30/10	01:57	
61551-21L	2203/1	3.90910	2.96108	4.85711	34.29670	ug/L	09/30/10	01:57	
61551-21L	2203/2	-0.81849	1.83023	-3.46721	457.65472	ug/L	09/30/10	01:57	
61551-21L	1960/1	5.19077	0.44427	9.93728	129.31716	ug/L	09/30/10	01:57	
61551-21L	1960/2	1.19493	-2.20382	4.59368	402.24588	ug/L	09/30/10	01:57	
61551-21L	Y	1072.50000	1073.61755	1071.38244	0.14736		09/30/10	01:57	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-21A	Ag	42.45253	42.17016	42.73491	0.94067	ug/L	09/30/10	02:02	
61551-21A	Al	2074.54492	2076.32519	2072.76464	0.12136	ug/L	09/30/10	02:02	
61551-21A	2Al	2.07464	2.07642	2.07286	0.12137	mg/L	09/30/10	02:02	
61551-21A	As	1989.07543	1990.38427	1987.76647	0.09306	ug/L	09/30/10	02:02	
61551-21A	B	1371.27465	1368.86157	1373.68774	0.24886	ug/L	09/30/10	02:02	
61551-21A	Ba	2065.91992	2069.27197	2062.56811	0.22945	ug/L	09/30/10	02:02	
61551-21A	Be	51.48903	51.61408	51.36398	0.34346	ug/L	09/30/10	02:02	
61551-21A	Ca	5587.13574	5594.30908	5579.96191	0.18157	ug/L	09/30/10	02:02	
61551-21A	Cd	52.21516	52.34749	52.08284	0.35839	ug/L	09/30/10	02:02	
61551-21A	Co	514.08758	514.80883	513.36633	0.19841	ug/L	09/30/10	02:02	
61551-21A	Cr	207.27902	207.17466	207.38339	0.07120	ug/L	09/30/10	02:02	
61551-21A	Cu	254.89727	254.81019	254.98434	0.04831	ug/L	09/30/10	02:02	
61551-21A	Fe	1029.13452	1031.24768	1027.02148	0.29037	ug/L	09/30/10	02:02	
61551-21A	2Fe	1.02921	1.03133	1.02710	0.29035	mg/L	09/30/10	02:02	
61551-21A	K	7881.91601	7910.01416	7853.81738	0.50415	ug/L	09/30/10	02:02	
61551-21A	Mg	5359.80078	5364.97216	5354.62988	0.13644	ug/L	09/30/10	02:02	
61551-21A	2Mg	5.35834	5.36351	5.35317	0.13643	mg/L	09/30/10	02:02	
61551-21A	Mn	513.06201	513.42614	512.69781	0.10037	ug/L	09/30/10	02:02	
61551-21A	Mo	512.80609	514.15625	511.45596	0.37234	ug/L	09/30/10	02:02	
61551-21A	Na	233818.60937	233039.95312	234597.26562	0.47095	ug/L	09/30/10	02:02	
61551-21A	Ni	509.15191	509.43862	508.86517	0.07964	ug/L	09/30/10	02:02	
61551-21A	Pb	513.15142	513.85656	512.44628	0.19433	ug/L	09/30/10	02:02	
61551-21A	Se	2040.50390	2042.87597	2038.13183	0.16440	ug/L	09/30/10	02:02	
61551-21A	Sb	499.22106	501.18585	497.25625	0.55659	ug/L	09/30/10	02:02	
61551-21A	Sn	1069.40429	1065.36413	1073.44458	0.53429	ug/L	09/30/10	02:02	
61551-21A	Sr	584.52807	584.37707	584.67913	0.03654	ug/L	09/30/10	02:02	
61551-21A	Ti	1026.74169	1027.11706	1026.36633	0.05170	ug/L	09/30/10	02:02	
61551-21A	Tl	2139.47900	2136.29492	2142.66308	0.21047	ug/L	09/30/10	02:02	
61551-21A	V	501.25482	501.68588	500.82379	0.12161	ug/L	09/30/10	02:02	
61551-21A	Zn	530.49902	530.78570	530.21240	0.07641	ug/L	09/30/10	02:02	
61551-21A	2203/1	510.74816	508.76672	512.72961	0.54864	ug/L	09/30/10	02:02	
61551-21A	2203/2	514.35125	516.39770	512.30480	0.56267	ug/L	09/30/10	02:02	
61551-21A	1960/1	2020.16796	2029.94226	2010.39355	0.68425	ug/L	09/30/10	02:02	
61551-21A	1960/2	2050.65600	2049.33251	2051.97949	0.09127	ug/L	09/30/10	02:02	
61551-21A	Y	1071.55395	1070.52001	1072.58801	0.13646		09/30/10	02:02	
61551-21S	Ag	52.47623	52.13907	52.81339	0.90863	ug/L	09/30/10	02:08	
61551-21S	Al	2135.13867	2135.47045	2134.80688	0.02197	ug/L	09/30/10	02:08	
61551-21S	2Al	2.13523	2.13557	2.13490	0.02197	mg/L	09/30/10	02:08	
61551-21S	As	2041.21655	2036.17761	2046.25561	0.34911	ug/L	09/30/10	02:08	
61551-21S	B	1394.21142	1389.62463	1398.79833	0.46526	ug/L	09/30/10	02:08	
61551-21S	Ba	2112.83300	2109.16992	2116.49633	0.24519	ug/L	09/30/10	02:08	
61551-21S	Be	52.49428	52.47751	52.51106	0.04519	ug/L	09/30/10	02:08	
61551-21S	Ca	5618.72265	5614.78417	5622.66162	0.09913	ug/L	09/30/10	02:08	
61551-21S	Cd	53.20761	53.21776	53.19747	0.02696	ug/L	09/30/10	02:08	
61551-21S	Co	527.19360	527.30322	527.08404	0.02939	ug/L	09/30/10	02:08	
61551-21S	Cr	211.70617	211.19122	212.22111	0.34398	ug/L	09/30/10	02:08	
61551-21S	Cu	261.32470	260.70339	261.94601	0.33623	ug/L	09/30/10	02:08	
61551-21S	Fe	1046.64611	1036.35107	1056.94116	1.39105	ug/L	09/30/10	02:08	
61551-21S	2Fe	1.04673	1.03643	1.05702	1.39076	mg/L	09/30/10	02:08	
61551-21S	K	7918.19531	7899.77246	7936.61767	0.32903	ug/L	09/30/10	02:08	
61551-21S	Mg	5294.84326	5285.87890	5303.80761	0.23943	ug/L	09/30/10	02:08	
61551-21S	2Mg	5.29340	5.28444	5.30236	0.23938	mg/L	09/30/10	02:08	
61551-21S	Mn	525.98870	525.28253	526.69488	0.18986	ug/L	09/30/10	02:08	
61551-21S	Mo	530.26586	528.38189	532.14984	0.50245	ug/L	09/30/10	02:08	
61551-21S	Na	233822.96875	234710.29687	232935.64062	0.53667	ug/L	09/30/10	02:08	
61551-21S	Ni	521.26635	521.29180	521.24096	0.00689	ug/L	09/30/10	02:08	
61551-21S	Pb	523.29541	523.13488	523.45593	0.04338	ug/L	09/30/10	02:08	
61551-21S	Se	2099.64111	2100.05273	2099.22949	0.02772	ug/L	09/30/10	02:08	
61551-21S	Sb	509.69818	506.69033	512.70605	0.83456	ug/L	09/30/10	02:08	
61551-21S	Sn	1061.45556	1056.97680	1065.93432	0.59672	ug/L	09/30/10	02:08	
61551-21S	Sr	581.87609	580.27349	583.47863	0.38949	ug/L	09/30/10	02:08	
61551-21S	Ti	725.48376	724.76855	726.19903	0.13942	ug/L	09/30/10	02:08	
61551-21S	Tl	2188.83984	2185.46435	2192.21533	0.21809	ug/L	09/30/10	02:08	
61551-21S	V	512.10754	512.09912	512.11596	0.00232	ug/L	09/30/10	02:08	
61551-21S	Zn	546.74371	546.56604	546.92138	0.04595	ug/L	09/30/10	02:08	
61551-21S	2203/1	518.47387	518.83953	518.10827	0.09973	ug/L	09/30/10	02:08	
61551-21S	2203/2	525.70257	525.27935	526.12579	0.11385	ug/L	09/30/10	02:08	
61551-21S	1960/1	2079.41210	2084.20898	2074.61523	0.32623	ug/L	09/30/10	02:08	
61551-21S	1960/2	2109.73974	2107.96191	2111.51757	0.11917	ug/L	09/30/10	02:08	
61551-21S	Y	1071.97631	1070.37036	1073.58239	0.21187		09/30/10	02:08	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-21SD	Ag	52.31114	52.16790	52.45438	0.38724	ug/L	09/30/10	02:13	
61551-21SD	Al	2124.00390	2125.66772	2122.34008	0.11078	ug/L	09/30/10	02:13	
61551-21SD	2Al	2.12400	2.12556	2.12244	0.10397	mg/L	09/30/10	02:13	
61551-21SD	As	2037.43261	2031.34375	2043.52160	0.42264	ug/L	09/30/10	02:13	
61551-21SD	B	1382.63342	1378.24365	1387.02319	0.44900	ug/L	09/30/10	02:13	
61551-21SD	Ba	2114.51391	2112.18579	2116.84204	0.15570	ug/L	09/30/10	02:13	
61551-21SD	Be	52.46369	52.31525	52.61213	0.40013	ug/L	09/30/10	02:13	
61551-21SD	Ca	5557.46093	5549.78955	5565.13183	0.19520	ug/L	09/30/10	02:13	
61551-21SD	Cd	53.57199	53.54062	53.60336	0.08281	ug/L	09/30/10	02:13	
61551-21SD	Co	526.18811	524.83038	527.54589	0.36491	ug/L	09/30/10	02:13	
61551-21SD	Cr	210.99014	210.34757	211.63270	0.43069	ug/L	09/30/10	02:13	
61551-21SD	Cu	261.20495	261.06945	261.34048	0.07336	ug/L	09/30/10	02:13	
61551-21SD	Fe	1051.13476	1065.68249	1036.58691	1.95728	ug/L	09/30/10	02:13	
61551-21SD	2Fe	1.05122	1.06576	1.03667	1.95681	mg/L	09/30/10	02:13	
61551-21SD	K	7714.34960	7741.30175	7687.39697	0.49409	ug/L	09/30/10	02:13	
61551-21SD	Mg	5284.83300	5277.95312	5291.71337	0.18411	ug/L	09/30/10	02:13	
61551-21SD	2Mg	5.28339	5.27651	5.29027	0.18418	mg/L	09/30/10	02:13	
61551-21SD	Mn	525.24884	524.68823	525.80944	0.15094	ug/L	09/30/10	02:13	
61551-21SD	Mo	532.67321	530.14019	535.20629	0.67250	ug/L	09/30/10	02:13	
61551-21SD	Na	228420.81250	228571.54687	228270.09375	0.09331	ug/L	09/30/10	02:13	
61551-21SD	Ni	521.91076	522.04687	521.77465	0.03688	ug/L	09/30/10	02:13	
61551-21SD	Pb	520.16271	519.25738	521.06799	0.24613	ug/L	09/30/10	02:13	
61551-21SD	Se	2083.76684	2076.43041	2091.10327	0.49790	ug/L	09/30/10	02:13	
61551-21SD	Sb	508.15869	509.38638	506.93096	0.34167	ug/L	09/30/10	02:13	
61551-21SD	Sn	1058.40698	1058.79467	1058.01940	0.05179	ug/L	09/30/10	02:13	
61551-21SD	Sr	581.13018	580.82916	581.43121	0.07325	ug/L	09/30/10	02:13	
61551-21SD	Ti	724.97204	723.74627	726.19775	0.23910	ug/L	09/30/10	02:13	
61551-21SD	Tl	2190.52246	2186.66455	2194.38012	0.24906	ug/L	09/30/10	02:13	
61551-21SD	V	512.03991	512.18066	511.89913	0.03887	ug/L	09/30/10	02:13	
61551-21SD	Zn	542.45166	541.17041	543.73297	0.33403	ug/L	09/30/10	02:13	
61551-21SD	2203/1	522.24603	517.37139	527.12066	1.32002	ug/L	09/30/10	02:13	
61551-21SD	2203/2	519.12255	520.19897	518.04620	0.29323	ug/L	09/30/10	02:13	
61551-21SD	1960/1	2063.15698	2062.79687	2063.51708	0.02468	ug/L	09/30/10	02:13	
61551-21SD	1960/2	2094.05566	2083.23632	2104.87500	0.73068	ug/L	09/30/10	02:13	
61551-21SD	Y	1068.71606	1070.73120	1066.70080	0.26666		09/30/10	02:13	
61551-22	Ag	0.87115	0.20043	1.54186	108.88331	ug/L	09/30/10	02:18	
61551-22	Al	335.78918	335.88067	335.69769	0.03853	ug/L	09/30/10	02:18	
61551-22	2Al	0.33580	0.33589	0.33571	0.03853	mg/L	09/30/10	02:18	
61551-22	As	-0.85057	-2.30786	0.60671	242.29687	ug/L	09/30/10	02:18	
61551-22	B	351.15112	350.84448	351.45776	0.12349	ug/L	09/30/10	02:18	
61551-22	Ba	7.43700	7.37933	7.49467	1.09669	ug/L	09/30/10	02:18	
61551-22	Be	0.02536	0.02249	0.02823	15.99490	ug/L	09/30/10	02:18	
61551-22	Ca	420.54232	420.95062	420.13403	0.13730	ug/L	09/30/10	02:18	
61551-22	Cd	0.14797	0.15471	0.14122	6.44844	ug/L	09/30/10	02:18	
61551-22	Co	-0.11893	-0.45125	0.21338	395.13421	ug/L	09/30/10	02:18	
61551-22	Cr	0.47262	-0.01747	0.96271	146.64933	ug/L	09/30/10	02:18	
61551-22	Cu	0.07153	-0.62815	0.77122	1383.19042	ug/L	09/30/10	02:18	
61551-22	Fe	20.54238	18.83932	22.24544	11.72448	ug/L	09/30/10	02:18	
61551-22	2Fe	0.02053	0.01883	0.02224	11.72505	mg/L	09/30/10	02:18	
61551-22	K	1126.50769	1122.36450	1130.65087	0.52013	ug/L	09/30/10	02:18	
61551-22	Mg	109.45825	104.72558	114.19091	6.11466	ug/L	09/30/10	02:18	
61551-22	2Mg	0.10942	0.10469	0.11415	6.11446	mg/L	09/30/10	02:18	
61551-22	Mn	0.67066	0.65794	0.68338	2.68281	ug/L	09/30/10	02:18	
61551-22	Mo	1.60101	2.23484	0.96718	55.98773	ug/L	09/30/10	02:18	
61551-22	Na	231408.28125	230893.75000	231922.82812	0.31445	ug/L	09/30/10	02:18	
61551-22	Ni	-0.01179	-0.23323	0.20965	2655.68603	ug/L	09/30/10	02:18	
61551-22	Pb	0.33211	-1.18956	1.85378	647.96899	ug/L	09/30/10	02:18	
61551-22	Se	5.93087	9.13271	2.72903	76.34764	ug/L	09/30/10	02:18	
61551-22	Sb	2.00862	3.36395	0.65328	95.42565	ug/L	09/30/10	02:18	
61551-22	Sn	-2.31527	-2.77561	-1.85494	28.11797	ug/L	09/30/10	02:18	
61551-22	Sr	35.45114	35.29597	35.60631	0.61900	ug/L	09/30/10	02:18	
61551-22	Ti	0.83469	0.72583	0.94354	18.44280	ug/L	09/30/10	02:18	
61551-22	Tl	3.06098	6.86714	-0.74517	175.84947	ug/L	09/30/10	02:18	
61551-22	V	0.88940	1.06621	0.71259	28.11381	ug/L	09/30/10	02:18	
61551-22	Zn	8.22930	8.15580	8.30279	1.26295	ug/L	09/30/10	02:18	
61551-22	2203/1	4.46009	1.17540	7.74478	104.15136	ug/L	09/30/10	02:18	
61551-22	2203/2	-1.72878	-2.37028	-1.08729	52.47653	ug/L	09/30/10	02:18	
61551-22	1960/1	3.60772	4.53871	2.67674	36.49427	ug/L	09/30/10	02:18	
61551-22	1960/2	7.09070	11.42626	2.75514	86.47108	ug/L	09/30/10	02:18	
61551-22	Y	1067.38281	1068.43444	1066.33117	0.13933		09/30/10	02:18	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-23	Ag	1.35532	0.84736	1.86328	53.00335	ug/L	09/30/10	02:23	
61551-23	Al	137.58547	136.17097	139.00000	1.45394	ug/L	09/30/10	02:23	
61551-23	2Al	0.13759	0.13617	0.13900	1.45396	mg/L	09/30/10	02:23	
61551-23	As	0.26626	-1.84109	2.37362	1119.27990	ug/L	09/30/10	02:23	
61551-23	B	352.52453	350.95736	354.09170	0.62869	ug/L	09/30/10	02:23	
61551-23	Ba	7.60776	7.63926	7.57626	0.58550	ug/L	09/30/10	02:23	
61551-23	Be	0.03067	0.03846	0.02288	35.92096	ug/L	09/30/10	02:23	
61551-23	Ca	571.11010	571.45416	570.76611	0.08518	ug/L	09/30/10	02:23	
61551-23	Cd	0.16573	0.21625	0.11521	43.10567	ug/L	09/30/10	02:23	
61551-23	Co	-0.46972	-0.98526	0.04582	155.21682	ug/L	09/30/10	02:23	
61551-23	Cr	0.20605	-0.01803	0.43014	153.79980	ug/L	09/30/10	02:23	
61551-23	Cu	-1.23190	-1.59977	-0.86404	42.23023	ug/L	09/30/10	02:23	
61551-23	Fe	43.22229	50.60951	35.83508	24.17061	ug/L	09/30/10	02:23	
61551-23	2Fe	0.04321	0.05060	0.03583	24.17020	mg/L	09/30/10	02:23	
61551-23	K	1158.26538	1171.76562	1144.76525	1.64833	ug/L	09/30/10	02:23	
61551-23	Mg	106.11025	104.48413	107.73636	2.16724	ug/L	09/30/10	02:23	
61551-23	2Mg	0.10607	0.10444	0.10769	2.16912	mg/L	09/30/10	02:23	
61551-23	Mn	0.63285	0.64416	0.62154	2.52825	ug/L	09/30/10	02:23	
61551-23	Mo	-0.52401	-1.64092	0.59290	301.43737	ug/L	09/30/10	02:23	
61551-23	Na	232709.03125	233304.75000	232113.32812	0.36202	ug/L	09/30/10	02:23	
61551-23	Ni	0.40856	1.14424	-0.32711	254.64953	ug/L	09/30/10	02:23	
61551-23	Pb	1.40651	0.95966	1.85336	44.92996	ug/L	09/30/10	02:23	
61551-23	Se	1.68078	1.36249	1.99907	26.78132	ug/L	09/30/10	02:23	
61551-23	Sb	1.41654	2.79459	0.03849	137.57809	ug/L	09/30/10	02:23	
61551-23	Sn	-1.94880	-2.26979	-1.62781	23.29358	ug/L	09/30/10	02:23	
61551-23	Sr	35.69605	35.78890	35.60319	0.36787	ug/L	09/30/10	02:23	
61551-23	Ti	0.16447	0.12137	0.20757	37.05710	ug/L	09/30/10	02:23	
61551-23	Tl	2.04496	3.38949	0.70043	92.98248	ug/L	09/30/10	02:23	
61551-23	V	1.22055	1.57821	0.86290	41.44040	ug/L	09/30/10	02:23	
61551-23	Zn	15.06284	14.95308	15.17261	1.03052	ug/L	09/30/10	02:23	
61551-23	2203/1	8.25338	9.46096	7.04579	20.69191	ug/L	09/30/10	02:23	
61551-23	2203/2	-2.01178	-3.28462	-0.73895	89.47541	ug/L	09/30/10	02:23	
61551-23	1960/1	3.17920	0.63069	5.72770	113.36579	ug/L	09/30/10	02:23	
61551-23	1960/2	0.93270	1.72783	0.13756	120.56328	ug/L	09/30/10	02:23	
61551-23	Y	1070.05358	1070.95996	1069.14721	0.11978		09/30/10	02:23	
61551-24	Ag	0.66626	1.12256	0.20996	96.85378	ug/L	09/30/10	02:28	
61551-24	Al	465.32995	469.48013	461.17977	1.26130	ug/L	09/30/10	02:28	
61551-24	2Al	0.46535	0.46950	0.46120	1.26129	mg/L	09/30/10	02:28	
61551-24	As	-2.33122	-0.93130	-3.73114	84.92447	ug/L	09/30/10	02:28	
61551-24	B	339.88494	339.65042	340.11950	0.09758	ug/L	09/30/10	02:28	
61551-24	Ba	7.52435	7.61395	7.43476	1.68388	ug/L	09/30/10	02:28	
61551-24	Be	0.02694	0.02776	0.02613	4.28596	ug/L	09/30/10	02:28	
61551-24	Ca	597.57495	598.82122	596.32867	0.29494	ug/L	09/30/10	02:28	
61551-24	Cd	-0.29454	-0.47370	-0.11537	86.02323	ug/L	09/30/10	02:28	
61551-24	Co	-0.51193	-0.40352	-0.62034	29.94836	ug/L	09/30/10	02:28	
61551-24	Cr	-0.06020	0.14231	-0.26272	475.74383	ug/L	09/30/10	02:28	
61551-24	Cu	-0.23590	-0.08373	-0.38807	91.22470	ug/L	09/30/10	02:28	
61551-24	Fe	5.12884	11.91410	-1.65641	187.09490	ug/L	09/30/10	02:28	
61551-24	2Fe	0.00512	0.01191	-0.00165	187.10070	mg/L	09/30/10	02:28	
61551-24	K	1104.44262	1120.27868	1088.60644	2.02777	ug/L	09/30/10	02:28	
61551-24	Mg	109.66700	113.12025	106.21376	4.45313	ug/L	09/30/10	02:28	
61551-24	2Mg	0.10963	0.11308	0.10618	4.45165	mg/L	09/30/10	02:28	
61551-24	Mn	0.76129	0.80611	0.71647	8.32571	ug/L	09/30/10	02:28	
61551-24	Mo	-0.44378	-0.96368	0.07610	165.67378	ug/L	09/30/10	02:28	
61551-24	Na	224031.56250	224439.17187	223623.96875	0.25730	ug/L	09/30/10	02:28	
61551-24	Ni	0.16958	0.62632	-0.28715	380.89041	ug/L	09/30/10	02:28	
61551-24	Pb	0.90649	1.05040	0.76259	22.44982	ug/L	09/30/10	02:28	
61551-24	Se	0.38318	0.49926	0.26711	42.83931	ug/L	09/30/10	02:28	
61551-24	Sb	-1.70935	-0.08857	-3.33013	134.09301	ug/L	09/30/10	02:28	
61551-24	Sn	-1.00840	-2.30858	0.29177	182.34118	ug/L	09/30/10	02:28	
61551-24	Sr	34.95550	35.00165	34.90935	0.18671	ug/L	09/30/10	02:28	
61551-24	Ti	1.07572	1.02502	1.12641	6.66476	ug/L	09/30/10	02:28	
61551-24	Tl	-3.96027	-2.66646	-5.25409	46.20207	ug/L	09/30/10	02:28	
61551-24	V	0.93376	1.77821	0.08931	127.89413	ug/L	09/30/10	02:28	
61551-24	Zn	16.19096	16.09241	16.28951	0.86080	ug/L	09/30/10	02:28	
61551-24	2203/1	5.46513	8.70230	2.22796	83.76831	ug/L	09/30/10	02:28	
61551-24	2203/2	-1.36940	-2.76981	0.03101	144.62417	ug/L	09/30/10	02:28	
61551-24	1960/1	3.65280	10.17542	-2.86981	252.52844	ug/L	09/30/10	02:28	
61551-24	1960/2	-1.24916	-4.33156	1.83322	348.96499	ug/L	09/30/10	02:28	
61551-24	Y	1080.41552	1076.41601	1084.41516	0.52352		09/30/10	02:28	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	499.02380	499.48690	498.56069	0.13124	ug/L	09/30/10	02:34	
CCV	Al	4881.79687	4888.23242	4875.36132	0.18643	ug/L	09/30/10	02:34	
CCV	2Al	4.88158	4.88822	4.87494	0.19230	mg/L	09/30/10	02:34	
CCV	As	500.62030	501.75869	499.48193	0.32158	ug/L	09/30/10	02:34	
CCV	B	5046.57226	5059.82958	5033.31494	0.37151	ug/L	09/30/10	02:34	
CCV	Ba	4996.43066	5003.91894	4988.94287	0.21194	ug/L	09/30/10	02:34	
CCV	Be	512.88977	515.45025	510.32931	0.70600	ug/L	09/30/10	02:34	
CCV	Ca	5047.72363	5057.25634	5038.19042	0.26708	ug/L	09/30/10	02:34	
CCV	Cd	514.61669	516.13018	513.10314	0.41592	ug/L	09/30/10	02:34	
CCV	Co	506.63024	508.50900	504.75149	0.52443	ug/L	09/30/10	02:34	
CCV	Cr	5095.87792	5113.30224	5078.45361	0.48356	ug/L	09/30/10	02:34	
CCV	Cu	4964.08203	4974.19726	4953.96679	0.28817	ug/L	09/30/10	02:34	
CCV	Fe	4982.02441	5003.50732	4960.54101	0.60982	ug/L	09/30/10	02:34	
CCV	2Fe	4.98202	5.00350	4.96054	0.60978	mg/L	09/30/10	02:34	
CCV	K	10015.50292	9994.51855	10036.48730	0.29630	ug/L	09/30/10	02:34	
CCV	Mg	5040.97753	5052.84228	5029.11279	0.33285	ug/L	09/30/10	02:34	
CCV	2Mg	5.04100	5.05287	5.02914	0.33286	mg/L	09/30/10	02:34	
CCV	Mn	5085.56738	5101.13574	5069.99902	0.43293	ug/L	09/30/10	02:34	
CCV	Mo	508.25387	508.33938	508.16836	0.02379	ug/L	09/30/10	02:34	
CCV	Na	7837.42187	7620.46728	8054.37646	3.91480	ug/L	09/30/10	02:34	
CCV	Ni	2529.37646	2535.32153	2523.43164	0.33239	ug/L	09/30/10	02:34	
CCV	Pb	507.67337	505.86279	509.48394	0.50436	ug/L	09/30/10	02:34	
CCV	Se	5055.53125	5051.97656	5059.08544	0.09943	ug/L	09/30/10	02:34	
CCV	Sb	490.61853	490.38351	490.85357	0.06774	ug/L	09/30/10	02:34	
CCV	Sn	5082.84570	5097.79101	5067.90087	0.41582	ug/L	09/30/10	02:34	
CCV	Sr	2574.28002	2579.44921	2569.11083	0.28397	ug/L	09/30/10	02:34	
CCV	Ti	498.24816	499.15274	497.34359	0.25675	ug/L	09/30/10	02:34	
CCV	Tl	5143.71875	5161.19335	5126.24414	0.48044	ug/L	09/30/10	02:34	
CCV	V	4984.30419	4994.50732	4974.10107	0.28949	ug/L	09/30/10	02:34	
CCV	Zn	2553.92407	2562.32397	2545.52416	0.46513	ug/L	09/30/10	02:34	
CCV	2203/1	509.27932	506.06359	512.49505	0.89297	ug/L	09/30/10	02:34	
CCV	2203/2	506.86761	505.75851	507.97668	0.30944	ug/L	09/30/10	02:34	
CCV	1960/1	4995.48242	4978.28076	5012.68359	0.48696	ug/L	09/30/10	02:34	
CCV	1960/2	5085.51074	5088.76953	5082.25195	0.09062	ug/L	09/30/10	02:34	
CCV	Y	1083.90478	1084.97839	1082.83117	0.14007		09/30/10	02:34	
CCB	Ag	1.21658	0.98652	1.44664	26.74308	ug/L	09/30/10	02:39	
CCB	Al	8.96846	3.25138	14.68554	90.15112	ug/L	09/30/10	02:39	
CCB	2Al	0.00896	0.00325	0.01468	90.15118	mg/L	09/30/10	02:39	
CCB	As	-2.89608	-3.33298	-2.45918	21.33465	ug/L	09/30/10	02:39	
CCB	B	9.63156	10.13702	9.12611	7.42170	ug/L	09/30/10	02:39	
CCB	Ba	1.35866	0.31439	2.40292	108.69615	ug/L	09/30/10	02:39	
CCB	Be	0.12685	0.00493	0.24877	135.91613	ug/L	09/30/10	02:39	
CCB	Ca	-0.99090	-2.29255	0.31074	185.76994	ug/L	09/30/10	02:39	
CCB	Cd	0.17308	0.03918	0.30698	109.40731	ug/L	09/30/10	02:39	
CCB	Co	-0.05185	-0.64854	0.54484	1627.44055	ug/L	09/30/10	02:39	
CCB	Cr	1.91420	0.18822	3.64019	127.51548	ug/L	09/30/10	02:39	
CCB	Cu	0.22924	-0.81922	1.27770	646.80999	ug/L	09/30/10	02:39	
CCB	Fe	9.71729	1.81748	17.61710	114.97048	ug/L	09/30/10	02:39	
CCB	2Fe	0.00971	0.00181	0.01761	114.97185	mg/L	09/30/10	02:39	
CCB	K	31.37069	12.56658	50.17479	84.77025	ug/L	09/30/10	02:39	
CCB	Mg	6.16498	3.09283	9.23714	70.47350	ug/L	09/30/10	02:39	
CCB	2Mg	0.00616	0.00309	0.00923	70.46620	mg/L	09/30/10	02:39	
CCB	Mn	1.12831	0.08606	2.17056	130.63369	ug/L	09/30/10	02:39	
CCB	Mo	0.92884	0.81834	1.03935	16.82504	ug/L	09/30/10	02:39	
CCB	Na	185.90763	120.20799	251.60728	49.97822	ug/L	09/30/10	02:39	
CCB	Ni	0.88929	0.09754	1.68105	125.90963	ug/L	09/30/10	02:39	
CCB	Pb	-0.28329	-0.55723	-0.00935	136.75308	ug/L	09/30/10	02:39	
CCB	Se	4.94574	5.18794	4.70354	6.92558	ug/L	09/30/10	02:39	
CCB	Sb	2.14946	4.37995	-0.08103	146.75286	ug/L	09/30/10	02:39	
CCB	Sn	-0.75795	-3.99442	2.47852	603.87219	ug/L	09/30/10	02:39	
CCB	Sr	0.59309	0.04626	1.13993	130.38951	ug/L	09/30/10	02:39	
CCB	Ti	0.14838	0.05037	0.24638	93.40598	ug/L	09/30/10	02:39	
CCB	Tl	4.94903	3.93886	5.95920	28.86624	ug/L	09/30/10	02:39	
CCB	V	2.42829	1.52268	3.33389	52.74156	ug/L	09/30/10	02:39	
CCB	Zn	0.61483	-0.09482	1.32449	163.23168	ug/L	09/30/10	02:39	
CCB	2203/1	4.32189	6.48038	2.16339	70.63063	ug/L	09/30/10	02:39	
CCB	2203/2	-2.58243	-4.07077	-1.09409	81.50569	ug/L	09/30/10	02:39	
CCB	1960/1	9.89801	9.33663	10.45940	8.02095	ug/L	09/30/10	02:39	
CCB	1960/2	2.47331	3.11670	1.82992	36.78828	ug/L	09/30/10	02:39	
CCB	Y	1067.65124	1064.30725	1070.99523	0.44294		09/30/10	02:39	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-25	Ag	1.95555	2.14360	1.76750	13.59914	ug/L	09/30/10	02:44	
61551-25	Al	280.75549	279.66711	281.84387	0.54823	ug/L	09/30/10	02:44	
61551-25	2Al	0.28076	0.27968	0.28185	0.54823	mg/L	09/30/10	02:44	
61551-25	As	-0.88232	-1.50800	-0.25664	100.28508	ug/L	09/30/10	02:44	
61551-25	B	355.00488	356.66604	353.34375	0.66174	ug/L	09/30/10	02:44	
61551-25	Ba	7.75464	7.80971	7.69957	1.00430	ug/L	09/30/10	02:44	
61551-25	Be	0.02704	0.04299	0.01109	83.42233	ug/L	09/30/10	02:44	
61551-25	Ca	442.94573	443.31652	442.57495	0.11838	ug/L	09/30/10	02:44	
61551-25	Cd	0.07853	0.22971	-0.07265	272.26187	ug/L	09/30/10	02:44	
61551-25	Co	-0.02517	-0.75533	0.70498	4102.07714	ug/L	09/30/10	02:44	
61551-25	Cr	0.91588	0.18729	1.64448	112.50128	ug/L	09/30/10	02:44	
61551-25	Cu	-0.23293	-0.67546	0.20959	268.67059	ug/L	09/30/10	02:44	
61551-25	Fe	29.02417	31.44971	26.59864	11.81849	ug/L	09/30/10	02:44	
61551-25	2Fe	0.02902	0.03144	0.02659	11.81733	mg/L	09/30/10	02:44	
61551-25	K	1186.09228	1192.50708	1179.67761	0.76484	ug/L	09/30/10	02:44	
61551-25	Mg	115.36618	117.26266	113.46970	2.32479	ug/L	09/30/10	02:44	
61551-25	2Mg	0.11532	0.11722	0.11343	2.32433	mg/L	09/30/10	02:44	
61551-25	Mn	0.71633	0.63551	0.79715	15.95665	ug/L	09/30/10	02:44	
61551-25	Mo	1.30587	2.91103	-0.29927	173.83168	ug/L	09/30/10	02:44	
61551-25	Na	235094.10937	235301.17187	234887.04687	0.12455	ug/L	09/30/10	02:44	
61551-25	Ni	0.48271	0.09926	0.86615	112.33885	ug/L	09/30/10	02:44	
61551-25	Pb	1.18338	0.59315	1.77361	70.53562	ug/L	09/30/10	02:44	
61551-25	Se	2.59402	2.03492	3.15312	30.48102	ug/L	09/30/10	02:44	
61551-25	Sb	2.42849	2.97317	1.88380	31.71914	ug/L	09/30/10	02:44	
61551-25	Sn	-2.62042	-4.44896	-0.79189	98.68392	ug/L	09/30/10	02:44	
61551-25	Sr	36.10995	36.16081	36.05910	0.19917	ug/L	09/30/10	02:44	
61551-25	Ti	0.55206	0.40146	0.70266	38.57814	ug/L	09/30/10	02:44	
61551-25	Tl	4.41717	4.92345	3.91089	16.20919	ug/L	09/30/10	02:44	
61551-25	V	1.79334	1.84565	1.74102	4.12527	ug/L	09/30/10	02:44	
61551-25	Zn	39.88612	39.94521	39.82703	0.20951	ug/L	09/30/10	02:44	
61551-25	2203/1	7.30045	2.99237	11.60853	83.45429	ug/L	09/30/10	02:44	
61551-25	2203/2	-1.87056	-0.60465	-3.13646	95.70743	ug/L	09/30/10	02:44	
61551-25	1960/1	6.53561	4.60876	8.46247	41.69433	ug/L	09/30/10	02:44	
61551-25	1960/2	0.62618	0.74993	0.50243	27.94919	ug/L	09/30/10	02:44	
61551-25	Y	1069.79833	1066.47204	1073.12475	0.43972		09/30/10	02:44	
61551-26	Ag	0.66318	0.29461	1.03174	78.59516	ug/L	09/30/10	02:49	
61551-26	Al	203.07965	203.44963	202.70965	0.25765	ug/L	09/30/10	02:49	
61551-26	2Al	0.20308	0.20345	0.20271	0.25766	mg/L	09/30/10	02:49	
61551-26	As	-2.72967	-3.68597	-1.77337	49.54464	ug/L	09/30/10	02:49	
61551-26	B	343.72412	342.85839	344.58981	0.35618	ug/L	09/30/10	02:49	
61551-26	Ba	7.27730	7.23061	7.32399	0.90731	ug/L	09/30/10	02:49	
61551-26	Be	-0.00081	0.00299	-0.00461	663.20294	ug/L	09/30/10	02:49	
61551-26	Ca	492.50665	492.30361	492.70965	0.05829	ug/L	09/30/10	02:49	
61551-26	Cd	-0.12301	-0.26155	0.01553	159.28004	ug/L	09/30/10	02:49	
61551-26	Co	-0.63190	-0.70501	-0.55880	16.36080	ug/L	09/30/10	02:49	
61551-26	Cr	0.89565	1.03731	0.75399	22.36836	ug/L	09/30/10	02:49	
61551-26	Cu	-0.18228	-0.13688	-0.22767	35.21818	ug/L	09/30/10	02:49	
61551-26	Fe	7.44409	-3.90350	18.79168	215.57928	ug/L	09/30/10	02:49	
61551-26	2Fe	0.00744	-0.00390	0.01878	215.58471	mg/L	09/30/10	02:49	
61551-26	K	1097.89916	1092.69592	1103.10241	0.67023	ug/L	09/30/10	02:49	
61551-26	Mg	107.49973	107.45711	107.54235	0.05606	ug/L	09/30/10	02:49	
61551-26	2Mg	0.10746	0.10742	0.10750	0.05347	mg/L	09/30/10	02:49	
61551-26	Mn	0.58412	0.52423	0.64401	14.49908	ug/L	09/30/10	02:49	
61551-26	Mo	1.52345	-0.15137	3.19828	155.47372	ug/L	09/30/10	02:49	
61551-26	Na	227796.29687	227874.51562	227718.07812	0.04856	ug/L	09/30/10	02:49	
61551-26	Ni	-1.56842	-1.14027	-1.99657	38.60540	ug/L	09/30/10	02:49	
61551-26	Pb	1.56922	1.44068	1.69775	11.58391	ug/L	09/30/10	02:49	
61551-26	Se	-1.74481	-2.26352	-1.22610	42.04284	ug/L	09/30/10	02:49	
61551-26	Sb	-2.05492	-1.74920	-2.36065	21.04025	ug/L	09/30/10	02:49	
61551-26	Sn	-1.83721	-0.79827	-2.87615	79.97309	ug/L	09/30/10	02:49	
61551-26	Sr	35.04769	35.00868	35.08669	0.15739	ug/L	09/30/10	02:49	
61551-26	Ti	0.30429	0.37984	0.22873	35.11462	ug/L	09/30/10	02:49	
61551-26	Tl	0.02146	0.59104	-0.54811	3753.03002	ug/L	09/30/10	02:49	
61551-26	V	0.60808	0.24835	0.96780	83.66094	ug/L	09/30/10	02:49	
61551-26	Zn	9.19437	9.15894	9.22980	0.54500	ug/L	09/30/10	02:49	
61551-26	2203/1	3.80838	3.36029	4.25648	16.63975	ug/L	09/30/10	02:49	
61551-26	2203/2	0.45131	0.48231	0.42030	9.71587	ug/L	09/30/10	02:49	
61551-26	1960/1	3.49526	4.70022	2.29029	48.75400	ug/L	09/30/10	02:49	
61551-26	1960/2	-4.36092	-5.74018	-2.98166	44.72829	ug/L	09/30/10	02:49	
61551-26	Y	1071.44836	1071.84875	1071.04797	0.05284		09/30/10	02:49	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-27	Ag	0.82438	0.89313	0.75564	11.79277	ug/L	09/30/10	02:55	
61551-27	Al	444.91241	447.33282	442.49200	0.76935	ug/L	09/30/10	02:55	
61551-27	2Al	0.44493	0.44735	0.44251	0.76935	mg/L	09/30/10	02:55	
61551-27	As	-2.25502	-4.20761	-0.30242	122.45487	ug/L	09/30/10	02:55	
61551-27	B	343.17846	342.73333	343.62356	0.18342	ug/L	09/30/10	02:55	
61551-27	Ba	7.59297	7.49801	7.68792	1.76852	ug/L	09/30/10	02:55	
61551-27	Be	0.03236	0.03673	0.02799	19.08018	ug/L	09/30/10	02:55	
61551-27	Ca	514.69287	512.98120	516.40454	0.47031	ug/L	09/30/10	02:55	
61551-27	Cd	0.22673	0.20812	0.24533	11.60225	ug/L	09/30/10	02:55	
61551-27	Co	-0.41157	-0.69927	-0.12388	98.85391	ug/L	09/30/10	02:55	
61551-27	Cr	0.18202	0.22189	0.14216	30.97244	ug/L	09/30/10	02:55	
61551-27	Cu	0.00156	-0.39913	0.40226	36266.37109	ug/L	09/30/10	02:55	
61551-27	Fe	16.96315	15.26902	18.65728	14.12391	ug/L	09/30/10	02:55	
61551-27	2Fe	0.01696	0.01526	0.01865	14.12487	mg/L	09/30/10	02:55	
61551-27	K	1142.82397	1140.71032	1144.93750	0.26155	ug/L	09/30/10	02:55	
61551-27	Mg	105.35848	103.72568	106.99129	2.19169	ug/L	09/30/10	02:55	
61551-27	2Mg	0.10532	0.10369	0.10695	2.19139	mg/L	09/30/10	02:55	
61551-27	Mn	0.78732	0.68568	0.88895	18.25640	ug/L	09/30/10	02:55	
61551-27	Mo	1.25712	1.77424	0.74000	58.17385	ug/L	09/30/10	02:55	
61551-27	Na	226842.07812	227281.60937	226402.54687	0.27401	ug/L	09/30/10	02:55	
61551-27	Ni	0.29251	0.92045	-0.33542	303.58938	ug/L	09/30/10	02:55	
61551-27	Pb	0.84268	2.45008	-0.76470	269.75588	ug/L	09/30/10	02:55	
61551-27	Se	1.92893	5.26305	-1.40518	244.44366	ug/L	09/30/10	02:55	
61551-27	Sb	-3.27994	-4.17652	-2.38336	38.65787	ug/L	09/30/10	02:55	
61551-27	Sn	-1.73729	-3.82591	0.35132	170.02018	ug/L	09/30/10	02:55	
61551-27	Sr	35.31531	35.22859	35.40202	0.34724	ug/L	09/30/10	02:55	
61551-27	Ti	0.81980	0.65832	0.98128	27.85643	ug/L	09/30/10	02:55	
61551-27	Tl	-0.36064	-2.36759	1.64629	786.98455	ug/L	09/30/10	02:55	
61551-27	V	1.16392	0.95931	1.36852	24.86009	ug/L	09/30/10	02:55	
61551-27	Zn	11.53662	11.01374	12.05950	6.40970	ug/L	09/30/10	02:55	
61551-27	2203/1	6.66863	9.78264	3.55463	66.03846	ug/L	09/30/10	02:55	
61551-27	2203/2	-2.06591	-1.21069	-2.92114	58.54374	ug/L	09/30/10	02:55	
61551-27	1960/1	3.25265	4.80510	1.70020	67.49849	ug/L	09/30/10	02:55	
61551-27	1960/2	1.26806	5.49168	-2.95555	471.04046	ug/L	09/30/10	02:55	
61551-27	Y	1077.65673	1078.73034	1076.58325	0.14088		09/30/10	02:55	
61551-28	Ag	0.96098	1.11981	0.80215	23.37384	ug/L	09/30/10	03:00	
61551-28	Al	283.57250	286.96823	280.17681	1.69348	ug/L	09/30/10	03:00	
61551-28	2Al	0.28358	0.28698	0.28019	1.69348	mg/L	09/30/10	03:00	
61551-28	As	-3.61737	-3.84245	-3.39229	8.79963	ug/L	09/30/10	03:00	
61551-28	B	331.74942	332.78952	330.70932	0.44338	ug/L	09/30/10	03:00	
61551-28	Ba	7.11484	7.11828	7.11141	0.06824	ug/L	09/30/10	03:00	
61551-28	Be	0.01916	0.01401	0.02430	37.98117	ug/L	09/30/10	03:00	
61551-28	Ca	437.07653	437.33013	436.82293	0.08205	ug/L	09/30/10	03:00	
61551-28	Cd	-0.00833	0.02186	-0.03853	512.40057	ug/L	09/30/10	03:00	
61551-28	Co	-0.29930	-0.06396	-0.53463	111.19744	ug/L	09/30/10	03:00	
61551-28	Cr	0.39596	0.21787	0.57405	63.60488	ug/L	09/30/10	03:00	
61551-28	Cu	-0.29377	-0.25430	-0.33323	18.99719	ug/L	09/30/10	03:00	
61551-28	Fe	17.29068	17.32549	17.25588	0.28466	ug/L	09/30/10	03:00	
61551-28	2Fe	0.01728	0.01732	0.01725	0.28557	mg/L	09/30/10	03:00	
61551-28	K	1078.93994	1085.57934	1072.30065	0.87024	ug/L	09/30/10	03:00	
61551-28	Mg	107.21270	108.96663	105.45877	2.31356	ug/L	09/30/10	03:00	
61551-28	2Mg	0.10717	0.10893	0.10542	2.31361	mg/L	09/30/10	03:00	
61551-28	Mn	0.68888	0.67912	0.69865	2.00494	ug/L	09/30/10	03:00	
61551-28	Mo	2.24035	3.96394	0.51675	108.80137	ug/L	09/30/10	03:00	
61551-28	Na	218659.59375	219084.89062	218234.29687	0.27506	ug/L	09/30/10	03:00	
61551-28	Ni	-0.57569	0.37992	-1.53131	234.75071	ug/L	09/30/10	03:00	
61551-28	Pb	2.10431	2.60837	1.60024	33.87601	ug/L	09/30/10	03:00	
61551-28	Se	4.64769	3.52004	5.77534	34.31243	ug/L	09/30/10	03:00	
61551-28	Sb	0.86877	4.20724	-2.46969	543.44238	ug/L	09/30/10	03:00	
61551-28	Sn	-2.30384	-3.75268	-0.85500	88.93713	ug/L	09/30/10	03:00	
61551-28	Sr	33.81002	33.93804	33.68200	0.53549	ug/L	09/30/10	03:00	
61551-28	Ti	0.46357	0.61248	0.31466	45.42749	ug/L	09/30/10	03:00	
61551-28	Tl	-2.21719	1.23958	-5.67398	220.48657	ug/L	09/30/10	03:00	
61551-28	V	1.08316	1.41285	0.75347	43.04577	ug/L	09/30/10	03:00	
61551-28	Zn	11.18517	10.98954	11.38080	2.47347	ug/L	09/30/10	03:00	
61551-28	2203/1	8.22554	9.92127	6.52981	29.15460	ug/L	09/30/10	03:00	
61551-28	2203/2	-0.95171	-1.04258	-0.86084	13.50331	ug/L	09/30/10	03:00	
61551-28	1960/1	9.99458	12.45367	7.53549	34.79567	ug/L	09/30/10	03:00	
61551-28	1960/2	1.97825	-0.94007	4.89658	208.62525	ug/L	09/30/10	03:00	
61551-28	Y	1089.73046	1087.24877	1092.21203	0.32205		09/30/10	03:00	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-29	Ag	1.48951	1.26110	1.71791	21.68574	ug/L	09/30/10	03:05	
61551-29	Al	538.52014	540.23657	536.80371	0.45075	ug/L	09/30/10	03:05	
61551-29	2Al	0.53854	0.54026	0.53683	0.45075	mg/L	09/30/10	03:05	
61551-29	As	-0.57243	1.25058	-2.39545	450.38104	ug/L	09/30/10	03:05	
61551-29	B	342.36883	343.41149	341.32620	0.43068	ug/L	09/30/10	03:05	
61551-29	Ba	7.82553	7.94481	7.70625	2.15562	ug/L	09/30/10	03:05	
61551-29	Be	0.02382	0.02624	0.02139	14.40041	ug/L	09/30/10	03:05	
61551-29	Ca	496.39538	497.59384	495.19696	0.34143	ug/L	09/30/10	03:05	
61551-29	Cd	0.04904	0.13004	-0.03194	233.52447	ug/L	09/30/10	03:05	
61551-29	Co	-0.49712	-0.39903	-0.59521	27.90406	ug/L	09/30/10	03:05	
61551-29	Cr	-0.01897	0.26492	-0.30287	2115.85009	ug/L	09/30/10	03:05	
61551-29	Cu	-0.30465	0.20088	-0.81019	234.67071	ug/L	09/30/10	03:05	
61551-29	Fe	29.43708	36.84171	22.03245	35.57325	ug/L	09/30/10	03:05	
61551-29	2Fe	0.02943	0.03683	0.02202	35.57389	mg/L	09/30/10	03:05	
61551-29	K	1111.77648	1125.73303	1097.81994	1.77531	ug/L	09/30/10	03:05	
61551-29	Mg	110.14457	116.44863	103.84052	8.09416	ug/L	09/30/10	03:05	
61551-29	2Mg	0.11010	0.11640	0.10380	8.09292	mg/L	09/30/10	03:05	
61551-29	Mn	0.72378	0.85583	0.59172	25.80227	ug/L	09/30/10	03:05	
61551-29	Mo	0.55660	1.55743	-0.44422	254.28988	ug/L	09/30/10	03:05	
61551-29	Na	226708.84375	226875.59375	226542.09375	0.10401	ug/L	09/30/10	03:05	
61551-29	Ni	0.58066	0.45982	0.70151	29.43181	ug/L	09/30/10	03:05	
61551-29	Pb	0.54425	-0.81962	1.90814	354.39495	ug/L	09/30/10	03:05	
61551-29	Se	2.49118	-0.51601	5.49838	170.71505	ug/L	09/30/10	03:05	
61551-29	Sb	2.00212	3.02725	0.97698	72.41098	ug/L	09/30/10	03:05	
61551-29	Sn	-2.19215	-3.73161	-0.65268	99.31494	ug/L	09/30/10	03:05	
61551-29	Sr	35.26841	35.26934	35.26749	0.00370	ug/L	09/30/10	03:05	
61551-29	Ti	1.33688	1.62885	1.04492	30.88539	ug/L	09/30/10	03:05	
61551-29	Tl	-1.98534	0.61580	-4.58648	185.28683	ug/L	09/30/10	03:05	
61551-29	V	0.88383	1.73195	0.03571	135.70593	ug/L	09/30/10	03:05	
61551-29	Zn	12.61370	13.05158	12.17582	4.90937	ug/L	09/30/10	03:05	
61551-29	2203/1	5.60300	2.53261	8.67340	77.49756	ug/L	09/30/10	03:05	
61551-29	2203/2	-1.98132	-2.49323	-1.46941	36.53854	ug/L	09/30/10	03:05	
61551-29	1960/1	5.55411	0.40646	10.70176	131.07177	ug/L	09/30/10	03:05	
61551-29	1960/2	0.96201	-0.97656	2.90059	284.98220	ug/L	09/30/10	03:05	
61551-29	Y	1075.74719	1073.95202	1077.54235	0.23599		09/30/10	03:05	
61551-30	Ag	0.58027	0.08825	1.07228	119.91136	ug/L	09/30/10	03:10	
61551-30	Al	371.62823	368.24383	375.01260	1.28791	ug/L	09/30/10	03:10	
61551-30	2Al	0.37164	0.36826	0.37503	1.28791	mg/L	09/30/10	03:10	
61551-30	As	-0.80920	-3.06847	1.45006	394.84411	ug/L	09/30/10	03:10	
61551-30	B	339.10610	339.33465	338.87756	0.09531	ug/L	09/30/10	03:10	
61551-30	Ba	7.53613	7.42934	7.64293	2.00413	ug/L	09/30/10	03:10	
61551-30	Be	0.03053	0.04734	0.01372	77.85300	ug/L	09/30/10	03:10	
61551-30	Ca	476.57025	476.31219	476.82830	0.07657	ug/L	09/30/10	03:10	
61551-30	Cd	-0.04676	0.02922	-0.12275	229.81506	ug/L	09/30/10	03:10	
61551-30	Co	-0.45203	-0.74783	-0.15623	92.54120	ug/L	09/30/10	03:10	
61551-30	Cr	0.43011	-0.06656	0.92679	163.30757	ug/L	09/30/10	03:10	
61551-30	Cu	-0.35477	-1.09238	0.38282	294.02239	ug/L	09/30/10	03:10	
61551-30	Fe	13.23149	9.32974	17.13324	41.70282	ug/L	09/30/10	03:10	
61551-30	2Fe	0.01322	0.00932	0.01713	41.70426	mg/L	09/30/10	03:10	
61551-30	K	1105.43164	1090.03234	1120.83093	1.97008	ug/L	09/30/10	03:10	
61551-30	Mg	112.04743	107.15086	116.94400	6.18023	ug/L	09/30/10	03:10	
61551-30	2Mg	0.11201	0.10711	0.11690	6.17949	mg/L	09/30/10	03:10	
61551-30	Mn	0.79573	0.76904	0.82241	4.74257	ug/L	09/30/10	03:10	
61551-30	Mo	0.47980	0.51586	0.44375	10.62788	ug/L	09/30/10	03:10	
61551-30	Na	225180.03125	223505.67187	226854.40625	1.05156	ug/L	09/30/10	03:10	
61551-30	Ni	0.26265	0.48259	0.04270	118.42527	ug/L	09/30/10	03:10	
61551-30	Pb	1.25845	2.53402	-0.01711	143.34423	ug/L	09/30/10	03:10	
61551-30	Se	-0.69855	-0.52744	-0.86967	34.64186	ug/L	09/30/10	03:10	
61551-30	Sb	-0.45885	-1.66304	0.74532	371.13134	ug/L	09/30/10	03:10	
61551-30	Sn	-2.23780	-4.57075	0.09513	147.43357	ug/L	09/30/10	03:10	
61551-30	Sr	34.93082	34.95237	34.90926	0.08727	ug/L	09/30/10	03:10	
61551-30	Ti	0.51503	0.35681	0.67324	43.44290	ug/L	09/30/10	03:10	
61551-30	Tl	2.49962	0.37692	4.62233	120.09605	ug/L	09/30/10	03:10	
61551-30	V	0.67615	0.49671	0.85559	37.53088	ug/L	09/30/10	03:10	
61551-30	Zn	11.50263	11.11487	11.89039	4.76740	ug/L	09/30/10	03:10	
61551-30	2203/1	6.44742	7.08156	5.81328	13.90952	ug/L	09/30/10	03:10	
61551-30	2203/2	-1.33214	0.26366	-2.92794	169.41181	ug/L	09/30/10	03:10	
61551-30	1960/1	2.74321	4.56993	0.91650	94.17282	ug/L	09/30/10	03:10	
61551-30	1960/2	-2.41686	-3.07230	-1.76142	38.35290	ug/L	09/30/10	03:10	
61551-30	Y	1101.58837	1105.66723	1097.50964	0.52363		09/30/10	03:10	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-31	Ag	1.16705	0.98456	1.34953	22.11326	ug/L	09/30/10	03:15	
61551-31	Al	327.02502	327.99871	326.05136	0.42106	ug/L	09/30/10	03:15	
61551-31	2Al	0.32704	0.32801	0.32606	0.42106	mg/L	09/30/10	03:15	
61551-31	As	-0.34078	1.78546	-2.46702	882.37518	ug/L	09/30/10	03:15	
61551-31	B	348.73580	349.21463	348.25698	0.19417	ug/L	09/30/10	03:15	
61551-31	Ba	7.67328	7.72996	7.61660	1.04468	ug/L	09/30/10	03:15	
61551-31	Be	0.01988	0.02998	0.00978	71.83420	ug/L	09/30/10	03:15	
61551-31	Ca	457.86572	459.18423	456.54721	0.40724	ug/L	09/30/10	03:15	
61551-31	Cd	-0.25687	-0.28271	-0.23103	14.22651	ug/L	09/30/10	03:15	
61551-31	Co	-0.71483	-0.75670	-0.67295	8.28455	ug/L	09/30/10	03:15	
61551-31	Cr	0.34174	0.10066	0.58282	99.76400	ug/L	09/30/10	03:15	
61551-31	Cu	0.29753	0.33987	0.25520	20.12261	ug/L	09/30/10	03:15	
61551-31	Fe	11.87290	13.01873	10.72706	13.64833	ug/L	09/30/10	03:15	
61551-31	2Fe	0.01187	0.01301	0.01072	13.64862	mg/L	09/30/10	03:15	
61551-31	K	1152.91455	1156.94824	1148.88085	0.49478	ug/L	09/30/10	03:15	
61551-31	Mg	108.12242	106.69746	109.54739	1.86381	ug/L	09/30/10	03:15	
61551-31	2Mg	0.10809	0.10666	0.10951	1.86413	mg/L	09/30/10	03:15	
61551-31	Mn	0.58388	0.56687	0.60090	4.12136	ug/L	09/30/10	03:15	
61551-31	Mo	0.55447	0.59147	0.51748	9.43649	ug/L	09/30/10	03:15	
61551-31	Na	232139.56250	231993.28125	232285.85937	0.08912	ug/L	09/30/10	03:15	
61551-31	Ni	-0.17995	0.36959	-0.72949	431.87951	ug/L	09/30/10	03:15	
61551-31	Pb	1.78371	3.14832	0.41909	108.19316	ug/L	09/30/10	03:15	
61551-31	Se	0.63606	-1.75494	3.02708	531.61193	ug/L	09/30/10	03:15	
61551-31	Sb	0.47702	-1.62745	2.58150	623.90557	ug/L	09/30/10	03:15	
61551-31	Sn	-2.85672	-2.90690	-2.80654	2.48411	ug/L	09/30/10	03:15	
61551-31	Sr	35.73601	35.83254	35.63947	0.38202	ug/L	09/30/10	03:15	
61551-31	Ti	0.42207	0.65764	0.18650	78.93047	ug/L	09/30/10	03:15	
61551-31	Tl	2.47596	1.25864	3.69327	69.53022	ug/L	09/30/10	03:15	
61551-31	V	1.26574	1.51955	1.01194	28.35752	ug/L	09/30/10	03:15	
61551-31	Zn	7.74471	7.62402	7.86540	2.20376	ug/L	09/30/10	03:15	
61551-31	2203/1	9.96374	9.68516	10.24233	3.95411	ug/L	09/30/10	03:15	
61551-31	2203/2	-2.30017	-0.11519	-4.48515	134.33874	ug/L	09/30/10	03:15	
61551-31	1960/1	6.67920	2.86112	10.49729	80.84174	ug/L	09/30/10	03:15	
61551-31	1960/2	-2.38097	-4.05952	-0.70242	99.69975	ug/L	09/30/10	03:15	
61551-31	Y	1080.49035	1079.51354	1081.46716	0.12785		09/30/10	03:15	
61551-32	Ag	0.27490	0.98493	-0.43513	365.27059	ug/L	09/30/10	03:21	
61551-32	Al	545.73083	547.39318	544.06854	0.43077	ug/L	09/30/10	03:21	
61551-32	2Al	0.54575	0.54742	0.54409	0.43077	mg/L	09/30/10	03:21	
61551-32	As	-0.41592	0.59702	-1.42888	344.41653	ug/L	09/30/10	03:21	
61551-32	B	351.20709	352.26922	350.14492	0.42769	ug/L	09/30/10	03:21	
61551-32	Ba	7.90841	7.91299	7.90383	0.08190	ug/L	09/30/10	03:21	
61551-32	Be	0.01407	0.02083	0.00731	67.94523	ug/L	09/30/10	03:21	
61551-32	Ca	407.89477	408.16525	407.62429	0.09377	ug/L	09/30/10	03:21	
61551-32	Cd	-0.15138	-0.14537	-0.15738	5.61310	ug/L	09/30/10	03:21	
61551-32	Co	-0.59232	-0.28943	-0.89520	72.31580	ug/L	09/30/10	03:21	
61551-32	Cr	0.38399	-0.01969	0.78768	148.67558	ug/L	09/30/10	03:21	
61551-32	Cu	-0.02742	-0.05365	-0.00120	135.21609	ug/L	09/30/10	03:21	
61551-32	Fe	14.72125	14.14333	15.29918	5.55185	ug/L	09/30/10	03:21	
61551-32	2Fe	0.01471	0.01414	0.01529	5.55108	mg/L	09/30/10	03:21	
61551-32	K	1137.84912	1142.17749	1133.52062	0.53797	ug/L	09/30/10	03:21	
61551-32	Mg	111.50267	110.04145	112.96388	1.85329	ug/L	09/30/10	03:21	
61551-32	2Mg	0.11146	0.11000	0.11292	1.85319	mg/L	09/30/10	03:21	
61551-32	Mn	0.71049	0.73469	0.68628	4.81749	ug/L	09/30/10	03:21	
61551-32	Mo	0.77680	0.73999	0.81361	6.70167	ug/L	09/30/10	03:21	
61551-32	Na	235139.32812	234694.03125	235584.62500	0.26781	ug/L	09/30/10	03:21	
61551-32	Ni	0.41496	0.82973	0.00019	141.35339	ug/L	09/30/10	03:21	
61551-32	Pb	1.06743	1.44614	0.68873	50.17322	ug/L	09/30/10	03:21	
61551-32	Se	0.86034	1.90344	-0.18276	171.46365	ug/L	09/30/10	03:21	
61551-32	Sb	0.13353	0.08644	0.18062	49.87210	ug/L	09/30/10	03:21	
61551-32	Sn	-0.67760	-2.53608	1.18087	387.87850	ug/L	09/30/10	03:21	
61551-32	Sr	36.40312	36.43759	36.36866	0.13388	ug/L	09/30/10	03:21	
61551-32	Ti	1.04440	1.04484	1.04397	0.05883	ug/L	09/30/10	03:21	
61551-32	Tl	-6.00459	-4.65072	-7.35846	31.88658	ug/L	09/30/10	03:21	
61551-32	V	0.96126	0.80540	1.11711	22.92931	ug/L	09/30/10	03:21	
61551-32	Zn	7.00126	6.87706	7.12547	2.50884	ug/L	09/30/10	03:21	
61551-32	2203/1	2.96211	6.23270	-0.30846	156.14848	ug/L	09/30/10	03:21	
61551-32	2203/2	0.12152	-0.94354	1.18658	1239.48486	ug/L	09/30/10	03:21	
61551-32	1960/1	-0.83100	2.35279	-4.01481	541.82141	ug/L	09/30/10	03:21	
61551-32	1960/2	1.70474	1.67910	1.73039	2.12734	ug/L	09/30/10	03:21	
61551-32	Y	1077.26513	1076.62719	1077.90319	0.08375		09/30/10	03:21	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-33	Ag	0.48032	1.03111	-0.07046	162.16804	ug/L	09/30/10	03:26	
61551-33	Al	413.37951	408.29675	418.46231	1.73887	ug/L	09/30/10	03:26	
61551-33	2Al	0.41339	0.40831	0.41848	1.73886	mg/L	09/30/10	03:26	
61551-33	As	-1.74904	-2.71493	-0.78315	78.09816	ug/L	09/30/10	03:26	
61551-33	B	339.32330	339.25817	339.38845	0.02714	ug/L	09/30/10	03:26	
61551-33	Ba	7.44635	7.46270	7.43001	0.31043	ug/L	09/30/10	03:26	
61551-33	Be	0.01988	0.01218	0.02759	54.79693	ug/L	09/30/10	03:26	
61551-33	Ca	416.23480	416.47872	415.99087	0.08287	ug/L	09/30/10	03:26	
61551-33	Cd	-0.30529	-0.19861	-0.41197	49.41722	ug/L	09/30/10	03:26	
61551-33	Co	-1.24093	-1.81049	-0.67137	64.90940	ug/L	09/30/10	03:26	
61551-33	Cr	0.16292	0.06191	0.26393	87.68159	ug/L	09/30/10	03:26	
61551-33	Cu	-0.74096	-1.40332	-0.07860	126.41951	ug/L	09/30/10	03:26	
61551-33	Fe	29.50667	34.64622	24.36712	24.63315	ug/L	09/30/10	03:26	
61551-33	2Fe	0.02950	0.03464	0.02436	24.63235	mg/L	09/30/10	03:26	
61551-33	K	1096.44274	1087.33166	1105.55383	1.17516	ug/L	09/30/10	03:26	
61551-33	Mg	102.53041	101.05432	104.00650	2.03599	ug/L	09/30/10	03:26	
61551-33	2Mg	0.10249	0.10101	0.10397	2.03738	mg/L	09/30/10	03:26	
61551-33	Mn	0.62906	0.55822	0.69990	15.92565	ug/L	09/30/10	03:26	
61551-33	Mo	0.88786	-0.66914	2.44486	248.00514	ug/L	09/30/10	03:26	
61551-33	Na	224523.46875	224730.32812	224316.62500	0.13029	ug/L	09/30/10	03:26	
61551-33	Ni	0.05205	0.38413	-0.28001	902.13946	ug/L	09/30/10	03:26	
61551-33	Pb	0.65634	-0.69264	2.00533	290.66604	ug/L	09/30/10	03:26	
61551-33	Se	0.33464	-0.04139	0.71069	158.91549	ug/L	09/30/10	03:26	
61551-33	Sb	-0.69330	-0.94030	-0.44630	50.38310	ug/L	09/30/10	03:26	
61551-33	Sn	-2.54194	-3.27874	-1.80514	40.99180	ug/L	09/30/10	03:26	
61551-33	Sr	34.75838	34.71535	34.80142	0.17509	ug/L	09/30/10	03:26	
61551-33	Ti	0.71235	0.57275	0.85195	27.71466	ug/L	09/30/10	03:26	
61551-33	Tl	-2.22417	-4.10444	-0.34391	119.55415	ug/L	09/30/10	03:26	
61551-33	V	1.52359	1.26690	1.78028	23.82650	ug/L	09/30/10	03:26	
61551-33	Zn	9.38434	9.58135	9.18732	2.96896	ug/L	09/30/10	03:26	
61551-33	2203/1	4.24191	3.20173	5.28209	34.67851	ug/L	09/30/10	03:26	
61551-33	2203/2	-1.13375	-2.63692	0.36940	187.49977	ug/L	09/30/10	03:26	
61551-33	1960/1	1.72998	3.76939	-0.30942	166.71623	ug/L	09/30/10	03:26	
61551-33	1960/2	-0.36197	-1.94393	1.21998	618.06463	ug/L	09/30/10	03:26	
61551-33	Y	1075.27197	1074.70874	1075.83520	0.07407		09/30/10	03:26	
61554-34	Ag	1.19419	1.03265	1.35573	19.13007	ug/L	09/30/10	03:31	
61554-34	Al	629.38793	631.69940	627.07653	0.51937	ug/L	09/30/10	03:31	
61554-34	2Al	0.62941	0.63173	0.62710	0.51937	mg/L	09/30/10	03:31	
61554-34	As	-2.58935	-6.81672	1.63802	230.88449	ug/L	09/30/10	03:31	
61554-34	B	352.61578	354.91448	350.31704	0.92193	ug/L	09/30/10	03:31	
61554-34	Ba	7.90017	7.78914	8.01121	1.98760	ug/L	09/30/10	03:31	
61554-34	Be	0.02136	0.00598	0.03674	101.82769	ug/L	09/30/10	03:31	
61554-34	Ca	422.43023	422.68783	422.17266	0.08623	ug/L	09/30/10	03:31	
61554-34	Cd	-0.01690	-0.21470	0.18090	1655.12182	ug/L	09/30/10	03:31	
61554-34	Co	-0.79200	-0.54151	-1.04249	44.72764	ug/L	09/30/10	03:31	
61554-34	Cr	0.59436	0.35043	0.83829	58.03984	ug/L	09/30/10	03:31	
61554-34	Cu	0.09090	0.15250	0.02929	95.83713	ug/L	09/30/10	03:31	
61554-34	Fe	15.46074	14.30714	16.61433	10.55210	ug/L	09/30/10	03:31	
61554-34	2Fe	0.01545	0.01430	0.01661	10.55245	mg/L	09/30/10	03:31	
61554-34	K	1122.50683	1089.71594	1155.29785	4.13123	ug/L	09/30/10	03:31	
61554-34	Mg	111.02914	111.15782	110.90045	0.16390	ug/L	09/30/10	03:31	
61554-34	2Mg	0.11099	0.11112	0.11086	0.16413	mg/L	09/30/10	03:31	
61554-34	Mn	0.73660	0.70761	0.76559	5.56545	ug/L	09/30/10	03:31	
61554-34	Mo	-0.30333	-0.15474	-0.45191	69.27313	ug/L	09/30/10	03:31	
61554-34	Na	233634.28125	233168.09375	234100.48437	0.28219	ug/L	09/30/10	03:31	
61554-34	Ni	0.43302	0.00293	0.86310	140.46261	ug/L	09/30/10	03:31	
61554-34	Pb	0.71043	1.03780	0.38305	65.16796	ug/L	09/30/10	03:31	
61554-34	Se	-0.06569	-0.72816	0.59676	1426.03796	ug/L	09/30/10	03:31	
61554-34	Sb	-0.27824	-0.93442	0.37792	333.50634	ug/L	09/30/10	03:31	
61554-34	Sn	-0.59784	0.00458	-1.20027	142.50575	ug/L	09/30/10	03:31	
61554-34	Sr	36.46285	36.50856	36.41714	0.17727	ug/L	09/30/10	03:31	
61554-34	Ti	1.44151	1.31277	1.57025	12.63007	ug/L	09/30/10	03:31	
61554-34	Tl	3.06190	2.91367	3.21013	6.84643	ug/L	09/30/10	03:31	
61554-34	V	0.37199	-0.63588	1.37987	383.16470	ug/L	09/30/10	03:31	
61554-34	Zn	7.81242	7.78907	7.83577	0.42272	ug/L	09/30/10	03:31	
61554-34	2203/1	8.39115	7.74431	9.03799	10.90156	ug/L	09/30/10	03:31	
61554-34	2203/2	-3.12417	-2.31042	-3.93791	36.83568	ug/L	09/30/10	03:31	
61554-34	1960/1	3.18881	2.80336	3.57425	17.09428	ug/L	09/30/10	03:31	
61554-34	1960/2	-1.69051	-2.49127	-0.88974	66.98894	ug/L	09/30/10	03:31	
61554-34	Y	1067.05273	1065.81201	1068.29357	0.16444		09/30/10	03:31	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	508.99005	509.38500	508.59512	0.10973	ug/L	09/30/10	03:36	
CCV	Al	4966.08300	4962.91113	4969.25439	0.09031	ug/L	09/30/10	03:36	
CCV	2Al	4.96576	4.96270	4.96883	0.08740	mg/L	09/30/10	03:36	
CCV	As	509.43316	506.89871	511.96762	0.70357	ug/L	09/30/10	03:36	
CCV	B	5125.75048	5136.33691	5115.16406	0.29208	ug/L	09/30/10	03:36	
CCV	Ba	5072.43164	5075.52197	5069.34179	0.08615	ug/L	09/30/10	03:36	
CCV	Be	521.66589	522.53356	520.79815	0.23523	ug/L	09/30/10	03:36	
CCV	Ca	5132.31054	5136.55566	5128.06494	0.11698	ug/L	09/30/10	03:36	
CCV	Cd	523.00549	524.39801	521.61303	0.37653	ug/L	09/30/10	03:36	
CCV	Co	515.32379	515.80755	514.84002	0.13276	ug/L	09/30/10	03:36	
CCV	Cr	5180.00292	5185.53173	5174.47363	0.15095	ug/L	09/30/10	03:36	
CCV	Cu	5047.24609	5057.22900	5037.26318	0.27971	ug/L	09/30/10	03:36	
CCV	Fe	5072.36767	5078.03564	5066.69970	0.15802	ug/L	09/30/10	03:36	
CCV	2Fe	5.07236	5.07803	5.06670	0.15803	mg/L	09/30/10	03:36	
CCV	K	10142.40429	10101.70703	10183.10156	0.56746	ug/L	09/30/10	03:36	
CCV	Mg	5130.01074	5137.08886	5122.93261	0.19512	ug/L	09/30/10	03:36	
CCV	2Mg	5.13003	5.13711	5.12296	0.19512	mg/L	09/30/10	03:36	
CCV	Mn	5167.69677	5174.52197	5160.87158	0.18678	ug/L	09/30/10	03:36	
CCV	Mo	513.30126	512.07751	514.52496	0.33715	ug/L	09/30/10	03:36	
CCV	Na	7796.42089	7697.40527	7895.43603	1.79606	ug/L	09/30/10	03:36	
CCV	Ni	2574.85058	2579.29248	2570.40893	0.24396	ug/L	09/30/10	03:36	
CCV	Pb	516.99359	517.91918	516.06799	0.25319	ug/L	09/30/10	03:36	
CCV	Se	5150.38281	5159.53125	5141.23388	0.25120	ug/L	09/30/10	03:36	
CCV	Sb	499.60690	499.07577	500.13803	0.15034	ug/L	09/30/10	03:36	
CCV	Sn	5163.00000	5171.47753	5154.52294	0.23220	ug/L	09/30/10	03:36	
CCV	Sr	2614.02978	2614.35375	2613.70605	0.01752	ug/L	09/30/10	03:36	
CCV	Ti	506.03173	506.47360	505.58984	0.12349	ug/L	09/30/10	03:36	
CCV	Tl	5215.31542	5236.15917	5194.47167	0.56521	ug/L	09/30/10	03:36	
CCV	V	5071.32519	5077.97119	5064.67919	0.18533	ug/L	09/30/10	03:36	
CCV	Zn	2596.93334	2600.24047	2593.62622	0.18009	ug/L	09/30/10	03:36	
CCV	2203/1	516.72045	516.56488	516.87597	0.04257	ug/L	09/30/10	03:36	
CCV	2203/2	517.12591	518.59124	515.66058	0.40073	ug/L	09/30/10	03:36	
CCV	1960/1	5090.52343	5090.28955	5090.75683	0.00649	ug/L	09/30/10	03:36	
CCV	1960/2	5180.26757	5194.10009	5166.43457	0.37763	ug/L	09/30/10	03:36	
CCV	Y	1068.96240	1069.10314	1068.82153	0.01862		09/30/10	03:36	
CCB	Ag	0.80141	0.29548	1.30734	89.27893	ug/L	09/30/10	03:41	
CCB	Al	10.65937	6.48112	14.83763	55.43428	ug/L	09/30/10	03:41	
CCB	2Al	0.01065	0.00648	0.01483	55.43412	mg/L	09/30/10	03:41	
CCB	As	0.25819	-1.71002	2.22641	1078.06530	ug/L	09/30/10	03:41	
CCB	B	9.22189	9.95430	8.48948	11.23181	ug/L	09/30/10	03:41	
CCB	Ba	1.42473	0.07461	2.77484	134.01475	ug/L	09/30/10	03:41	
CCB	Be	0.14874	0.02581	0.27166	116.87334	ug/L	09/30/10	03:41	
CCB	Ca	-2.11135	-3.84790	-0.37480	116.31666	ug/L	09/30/10	03:41	
CCB	Cd	0.25161	0.25832	0.24490	3.77096	ug/L	09/30/10	03:41	
CCB	Co	-0.31487	-0.59462	-0.03513	125.64321	ug/L	09/30/10	03:41	
CCB	Cr	1.66439	0.26488	3.06391	118.91477	ug/L	09/30/10	03:41	
CCB	Cu	0.33723	-1.32768	2.00214	698.20056	ug/L	09/30/10	03:41	
CCB	Fe	-2.76527	-8.43271	2.90216	289.84399	ug/L	09/30/10	03:41	
CCB	2Fe	-0.00276	-0.00843	0.00290	289.86682	mg/L	09/30/10	03:41	
CCB	K	12.06838	-6.28730	30.42407	215.09806	ug/L	09/30/10	03:41	
CCB	Mg	4.60928	3.06597	6.15259	47.35155	ug/L	09/30/10	03:41	
CCB	2Mg	0.00460	0.00306	0.00615	47.32592	mg/L	09/30/10	03:41	
CCB	Mn	1.49338	0.28603	2.70074	114.33447	ug/L	09/30/10	03:41	
CCB	Mo	0.70387	-0.81891	2.22666	305.95748	ug/L	09/30/10	03:41	
CCB	Na	357.42755	137.43722	577.41784	87.04233	ug/L	09/30/10	03:41	
CCB	Ni	0.30886	-0.13557	0.75331	203.49742	ug/L	09/30/10	03:41	
CCB	Pb	0.74537	1.46374	0.02700	136.29687	ug/L	09/30/10	03:41	
CCB	Se	5.27236	0.43337	10.11134	129.79682	ug/L	09/30/10	03:41	
CCB	Sb	-1.03406	-0.89278	-1.17535	19.32211	ug/L	09/30/10	03:41	
CCB	Sn	1.73149	-2.92097	6.38396	379.99438	ug/L	09/30/10	03:41	
CCB	Sr	0.71736	0.07126	1.36346	127.37214	ug/L	09/30/10	03:41	
CCB	Ti	0.07415	-0.03357	0.18187	205.44616	ug/L	09/30/10	03:41	
CCB	Tl	2.96470	0.20019	5.72920	131.87161	ug/L	09/30/10	03:41	
CCB	V	2.08435	0.48664	3.68207	108.40333	ug/L	09/30/10	03:41	
CCB	Zn	0.42008	-0.15942	0.99960	195.09085	ug/L	09/30/10	03:41	
CCB	2203/1	7.97419	7.12267	8.82570	15.10150	ug/L	09/30/10	03:41	
CCB	2203/2	-2.86360	-1.36147	-4.36574	74.18393	ug/L	09/30/10	03:41	
CCB	1960/1	10.11964	3.36358	16.87570	94.41542	ug/L	09/30/10	03:41	
CCB	1960/2	2.85235	-1.02953	6.73424	192.46624	ug/L	09/30/10	03:41	
CCB	Y	1073.43273	1073.52954	1073.33593	0.01275		09/30/10	03:41	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-35	Ag	0.73357	1.58974	-0.12258	165.05342	ug/L	09/30/10	03:47	
61551-35	Al	490.67480	495.31744	486.03219	1.33808	ug/L	09/30/10	03:47	
61551-35	2Al	0.49069	0.49534	0.48605	1.33808	mg/L	09/30/10	03:47	
61551-35	As	-0.44647	1.58211	-2.47506	642.56103	ug/L	09/30/10	03:47	
61551-35	B	345.06057	344.35195	345.76919	0.29042	ug/L	09/30/10	03:47	
61551-35	Ba	7.63899	7.68759	7.59039	0.89969	ug/L	09/30/10	03:47	
61551-35	Be	0.02093	0.01932	0.02255	10.89947	ug/L	09/30/10	03:47	
61551-35	Ca	440.10766	439.76870	440.44665	0.10892	ug/L	09/30/10	03:47	
61551-35	Cd	-0.04336	0.15290	-0.23964	640.08203	ug/L	09/30/10	03:47	
61551-35	Co	-0.81984	-0.42868	-1.21101	67.47476	ug/L	09/30/10	03:47	
61551-35	Cr	0.79982	0.96560	0.63404	29.31254	ug/L	09/30/10	03:47	
61551-35	Cu	-0.14860	0.36774	-0.66495	491.38491	ug/L	09/30/10	03:47	
61551-35	Fe	32.59307	34.92506	30.26108	10.11849	ug/L	09/30/10	03:47	
61551-35	2Fe	0.03258	0.03492	0.03025	10.11910	mg/L	09/30/10	03:47	
61551-35	K	1127.77709	1150.11865	1105.43554	2.80159	ug/L	09/30/10	03:47	
61551-35	Mg	109.55113	111.34420	107.75807	2.31469	ug/L	09/30/10	03:47	
61551-35	2Mg	0.10951	0.11130	0.10772	2.31430	mg/L	09/30/10	03:47	
61551-35	Mn	0.74934	0.80526	0.69342	10.55271	ug/L	09/30/10	03:47	
61551-35	Mo	-0.78722	0.36881	-1.94327	207.67721	ug/L	09/30/10	03:47	
61551-35	Na	227461.28125	228437.93750	226484.64062	0.60721	ug/L	09/30/10	03:47	
61551-35	Ni	0.64151	0.90052	0.38250	57.09844	ug/L	09/30/10	03:47	
61551-35	Pb	0.17478	-2.02305	2.37262	1778.28503	ug/L	09/30/10	03:47	
61551-35	Se	2.88508	2.51153	3.25862	18.31066	ug/L	09/30/10	03:47	
61551-35	Sb	4.49359	3.75776	5.22943	23.15804	ug/L	09/30/10	03:47	
61551-35	Sn	-4.20599	-2.35884	-6.05314	62.10807	ug/L	09/30/10	03:47	
61551-35	Sr	35.36999	35.41489	35.32508	0.17955	ug/L	09/30/10	03:47	
61551-35	Ti	1.09556	1.16239	1.02872	8.62748	ug/L	09/30/10	03:47	
61551-35	Tl	-0.65489	0.39071	-1.70050	225.79466	ug/L	09/30/10	03:47	
61551-35	V	1.58810	1.64393	1.53227	4.97175	ug/L	09/30/10	03:47	
61551-35	Zn	10.98199	11.29820	10.66577	4.07209	ug/L	09/30/10	03:47	
61551-35	2203/1	5.63521	3.43149	7.83893	55.30447	ug/L	09/30/10	03:47	
61551-35	2203/2	-2.55133	-4.74623	-0.35642	121.66436	ug/L	09/30/10	03:47	
61551-35	1960/1	8.14046	7.49017	8.79075	11.29730	ug/L	09/30/10	03:47	
61551-35	1960/2	0.26132	0.02594	0.49671	127.38169	ug/L	09/30/10	03:47	
61551-35	Y	1066.49841	1064.06958	1068.92724	0.32207		09/30/10	03:47	
61551-36	Ag	0.54819	0.93973	0.15665	101.00866	ug/L	09/30/10	03:52	
61551-36	Al	468.84197	471.29660	466.38735	0.74041	ug/L	09/30/10	03:52	
61551-36	2Al	0.46886	0.47131	0.46641	0.74041	mg/L	09/30/10	03:52	
61551-36	As	0.45501	0.20338	0.70665	78.20845	ug/L	09/30/10	03:52	
61551-36	B	355.05490	355.51876	354.59103	0.18476	ug/L	09/30/10	03:52	
61551-36	Ba	7.61690	7.60313	7.63068	0.25575	ug/L	09/30/10	03:52	
61551-36	Be	-0.00872	-0.02073	0.00329	194.82351	ug/L	09/30/10	03:52	
61551-36	Ca	409.31375	410.30511	408.32238	0.34252	ug/L	09/30/10	03:52	
61551-36	Cd	-0.20566	-0.03471	-0.37661	117.54968	ug/L	09/30/10	03:52	
61551-36	Co	-0.45352	-0.34126	-0.56577	35.00396	ug/L	09/30/10	03:52	
61551-36	Cr	0.51037	0.51156	0.50918	0.32982	ug/L	09/30/10	03:52	
61551-36	Cu	0.59528	0.61248	0.57808	4.08602	ug/L	09/30/10	03:52	
61551-36	Fe	14.79616	6.29642	23.29590	81.24030	ug/L	09/30/10	03:52	
61551-36	2Fe	0.01479	0.00629	0.02329	81.24085	mg/L	09/30/10	03:52	
61551-36	K	1128.39135	1119.10363	1137.67895	1.16402	ug/L	09/30/10	03:52	
61551-36	Mg	115.27906	116.99122	113.56691	2.10042	ug/L	09/30/10	03:52	
61551-36	2Mg	0.11524	0.11695	0.11353	2.10229	mg/L	09/30/10	03:52	
61551-36	Mn	0.68003	0.68127	0.67879	0.25775	ug/L	09/30/10	03:52	
61551-36	Mo	1.37562	1.93566	0.81558	57.57481	ug/L	09/30/10	03:52	
61551-36	Na	233157.57812	232934.71875	233380.43750	0.13517	ug/L	09/30/10	03:52	
61551-36	Ni	-0.14959	-1.03487	0.73568	836.91888	ug/L	09/30/10	03:52	
61551-36	Pb	2.64251	1.97325	3.31177	35.81722	ug/L	09/30/10	03:52	
61551-36	Se	1.10052	4.97382	-2.77278	497.73519	ug/L	09/30/10	03:52	
61551-36	Sb	0.40024	-0.70471	1.50520	390.41906	ug/L	09/30/10	03:52	
61551-36	Sn	-2.74777	-0.37278	-5.12275	122.23477	ug/L	09/30/10	03:52	
61551-36	Sr	36.37607	36.49993	36.25221	0.48154	ug/L	09/30/10	03:52	
61551-36	Ti	1.02726	0.94194	1.11258	11.74544	ug/L	09/30/10	03:52	
61551-36	Tl	0.73402	1.38016	0.08788	124.48891	ug/L	09/30/10	03:52	
61551-36	V	0.29698	0.03994	0.55401	122.39800	ug/L	09/30/10	03:52	
61551-36	Zn	6.20950	5.83325	6.58574	8.56895	ug/L	09/30/10	03:52	
61551-36	2203/1	8.11786	7.69060	8.54513	7.44338	ug/L	09/30/10	03:52	
61551-36	2203/2	-0.09105	-0.88113	0.69901	1227.09155	ug/L	09/30/10	03:52	
61551-36	1960/1	3.16024	3.66739	2.65308	22.69525	ug/L	09/30/10	03:52	
61551-36	1960/2	0.07220	5.62606	-5.48165	10877.79003	ug/L	09/30/10	03:52	
61551-36	Y	1070.55078	1068.90954	1072.19201	0.21680		09/30/10	03:52	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-37	Ag	1.33128	1.17096	1.49161	17.03135	ug/L	09/30/10	03:57	
61551-37	Al	684.97424	689.54339	680.40502	0.94336	ug/L	09/30/10	03:57	
61551-37	2Al	0.68500	0.68957	0.68043	0.94336	mg/L	09/30/10	03:57	
61551-37	As	-2.60790	-2.56137	-2.65444	2.52343	ug/L	09/30/10	03:57	
61551-37	B	359.12261	358.28924	359.95596	0.32817	ug/L	09/30/10	03:57	
61551-37	Ba	8.09631	8.08920	8.10343	0.12429	ug/L	09/30/10	03:57	
61551-37	Be	0.00565	0.00749	0.00381	45.96686	ug/L	09/30/10	03:57	
61551-37	Ca	451.91842	451.90307	451.93377	0.00480	ug/L	09/30/10	03:57	
61551-37	Cd	0.07326	0.18029	-0.03376	206.59899	ug/L	09/30/10	03:57	
61551-37	Co	-0.20550	0.04206	-0.45308	170.36755	ug/L	09/30/10	03:57	
61551-37	Cr	0.42947	0.47177	0.38717	13.92788	ug/L	09/30/10	03:57	
61551-37	Cu	-0.17128	0.22901	-0.57158	330.50570	ug/L	09/30/10	03:57	
61551-37	Fe	25.60148	26.78043	24.42254	6.51242	ug/L	09/30/10	03:57	
61551-37	2Fe	0.02559	0.02677	0.02441	6.51274	mg/L	09/30/10	03:57	
61551-37	K	1179.66430	1184.33898	1174.98950	0.56042	ug/L	09/30/10	03:57	
61551-37	Mg	115.29598	117.09630	113.49565	2.20826	ug/L	09/30/10	03:57	
61551-37	2Mg	0.11525	0.11705	0.11345	2.20809	mg/L	09/30/10	03:57	
61551-37	Mn	0.71603	0.71798	0.71408	0.38601	ug/L	09/30/10	03:57	
61551-37	Mo	0.77683	-0.15353	1.70719	169.37142	ug/L	09/30/10	03:57	
61551-37	Na	240089.29687	241028.67187	239149.92187	0.55332	ug/L	09/30/10	03:57	
61551-37	Ni	0.02001	0.08162	-0.04159	435.28848	ug/L	09/30/10	03:57	
61551-37	Pb	0.04596	1.23156	-1.13963	3648.01733	ug/L	09/30/10	03:57	
61551-37	Se	1.95911	4.47969	-0.56147	181.95208	ug/L	09/30/10	03:57	
61551-37	Sb	2.26749	1.60363	2.93134	41.40414	ug/L	09/30/10	03:57	
61551-37	Sn	-2.23569	-2.12295	-2.34843	7.13146	ug/L	09/30/10	03:57	
61551-37	Sr	37.34226	37.40165	37.28286	0.22493	ug/L	09/30/10	03:57	
61551-37	Ti	1.31988	1.48423	1.15554	17.60902	ug/L	09/30/10	03:57	
61551-37	Tl	2.72718	-0.73078	6.18516	179.31684	ug/L	09/30/10	03:57	
61551-37	V	1.40226	1.22438	1.58014	17.93978	ug/L	09/30/10	03:57	
61551-37	Zn	13.77135	13.96404	13.57865	1.97885	ug/L	09/30/10	03:57	
61551-37	2203/1	7.48989	12.51624	2.46354	94.90555	ug/L	09/30/10	03:57	
61551-37	2203/2	-3.67042	-4.40231	-2.93853	28.19982	ug/L	09/30/10	03:57	
61551-37	1960/1	4.40806	5.98143	2.83469	50.47747	ug/L	09/30/10	03:57	
61551-37	1960/2	0.73647	3.72995	-2.25701	574.82458	ug/L	09/30/10	03:57	
61551-37	Y	1070.42761	1067.98559	1072.86962	0.32263		09/30/10	03:57	
61551-38	Ag	0.89342	1.07811	0.70873	29.23421	ug/L	09/30/10	04:02	
61551-38	Al	655.17590	649.10675	661.24511	1.31004	ug/L	09/30/10	04:02	
61551-38	2Al	0.65520	0.64913	0.66127	1.31004	mg/L	09/30/10	04:02	
61551-38	As	-0.68187	-1.94643	0.58268	262.27069	ug/L	09/30/10	04:02	
61551-38	B	359.74273	359.47531	360.01019	0.10513	ug/L	09/30/10	04:02	
61551-38	Ba	8.19419	8.12613	8.26224	1.17461	ug/L	09/30/10	04:02	
61551-38	Be	-0.02443	-0.03492	-0.01394	60.71443	ug/L	09/30/10	04:02	
61551-38	Ca	488.17053	487.54449	488.79660	0.18136	ug/L	09/30/10	04:02	
61551-38	Cd	-0.14288	-0.19943	-0.08633	55.97241	ug/L	09/30/10	04:02	
61551-38	Co	-0.50242	-0.93568	-0.06916	121.95307	ug/L	09/30/10	04:02	
61551-38	Cr	0.73526	0.83639	0.63414	19.45010	ug/L	09/30/10	04:02	
61551-38	Cu	0.79099	0.30906	1.27292	86.16325	ug/L	09/30/10	04:02	
61551-38	Fe	16.53989	12.01131	21.06847	38.72081	ug/L	09/30/10	04:02	
61551-38	2Fe	0.01653	0.01200	0.02106	38.72241	mg/L	09/30/10	04:02	
61551-38	K	1148.64794	1138.55920	1158.73657	1.24211	ug/L	09/30/10	04:02	
61551-38	Mg	116.97202	113.82006	120.12398	3.81078	ug/L	09/30/10	04:02	
61551-38	2Mg	0.11693	0.11378	0.12008	3.80989	mg/L	09/30/10	04:02	
61551-38	Mn	0.95572	0.94309	0.96834	1.86754	ug/L	09/30/10	04:02	
61551-38	Mo	-1.64359	-3.05930	-0.22788	121.81310	ug/L	09/30/10	04:02	
61551-38	Na	236909.20312	235828.70312	237989.70312	0.64499	ug/L	09/30/10	04:02	
61551-38	Ni	-0.21683	-0.38472	-0.04893	109.50315	ug/L	09/30/10	04:02	
61551-38	Pb	0.63095	1.13958	0.12231	114.00630	ug/L	09/30/10	04:02	
61551-38	Se	3.25806	1.42017	5.09595	79.77632	ug/L	09/30/10	04:02	
61551-38	Sb	-2.40120	-4.93102	0.12860	148.99581	ug/L	09/30/10	04:02	
61551-38	Sn	-3.14652	-2.96438	-3.32865	8.18603	ug/L	09/30/10	04:02	
61551-38	Sr	37.12453	37.10451	37.14455	0.07624	ug/L	09/30/10	04:02	
61551-38	Ti	1.25617	1.15823	1.35411	11.02643	ug/L	09/30/10	04:02	
61551-38	Tl	0.78382	1.15599	0.41166	67.14738	ug/L	09/30/10	04:02	
61551-38	V	0.09086	0.03925	0.14247	80.32910	ug/L	09/30/10	04:02	
61551-38	Zn	14.88323	14.97059	14.79586	0.83013	ug/L	09/30/10	04:02	
61551-38	2203/1	5.58013	5.94561	5.21465	9.26259	ug/L	09/30/10	04:02	
61551-38	2203/2	-1.83993	-1.25981	-2.42004	44.58869	ug/L	09/30/10	04:02	
61551-38	1960/1	10.01803	8.70769	11.32838	18.49771	ug/L	09/30/10	04:02	
61551-38	1960/2	-0.11685	-2.21811	1.98441	2543.11328	ug/L	09/30/10	04:02	
61551-38	Y	1069.13842	1069.80725	1068.46960	0.08846		09/30/10	04:02	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-39	Ag	0.66477	0.57345	0.75608	19.42667	ug/L	09/30/10	04:07	
61551-39	Al	513.32263	515.46667	511.17855	0.59069	ug/L	09/30/10	04:07	
61551-39	2Al	0.51334	0.51549	0.51120	0.59069	mg/L	09/30/10	04:07	
61551-39	As	-1.87512	-2.11635	-1.63389	18.19358	ug/L	09/30/10	04:07	
61551-39	B	329.56158	331.05044	328.07269	0.63890	ug/L	09/30/10	04:07	
61551-39	Ba	7.53429	7.55415	7.51443	0.37280	ug/L	09/30/10	04:07	
61551-39	Be	0.01705	0.03838	-0.00426	176.80790	ug/L	09/30/10	04:07	
61551-39	Ca	453.02209	453.10156	452.94259	0.02481	ug/L	09/30/10	04:07	
61551-39	Cd	-0.25034	-0.18117	-0.31951	39.07640	ug/L	09/30/10	04:07	
61551-39	Co	-0.66202	-0.67866	-0.64538	3.55448	ug/L	09/30/10	04:07	
61551-39	Cr	-0.06122	-0.30268	0.18024	557.75897	ug/L	09/30/10	04:07	
61551-39	Cu	-0.07053	-0.19820	0.05712	255.95672	ug/L	09/30/10	04:07	
61551-39	Fe	25.89421	23.08726	28.70116	15.33015	ug/L	09/30/10	04:07	
61551-39	2Fe	0.02589	0.02308	0.02869	15.33035	mg/L	09/30/10	04:07	
61551-39	K	1097.41381	1099.84753	1094.98022	0.31361	ug/L	09/30/10	04:07	
61551-39	Mg	104.96995	106.50716	103.43274	2.07101	ug/L	09/30/10	04:07	
61551-39	2Mg	0.10493	0.10647	0.10339	2.07175	mg/L	09/30/10	04:07	
61551-39	Mn	0.89584	0.88417	0.90751	1.84241	ug/L	09/30/10	04:07	
61551-39	Mo	0.03811	-1.17827	1.25450	4513.08398	ug/L	09/30/10	04:07	
61551-39	Na	216037.37500	216354.59375	215720.17187	0.20765	ug/L	09/30/10	04:07	
61551-39	Ni	-0.44706	-0.58550	-0.30862	43.79367	ug/L	09/30/10	04:07	
61551-39	Pb	0.11941	1.57281	-1.33399	1721.29699	ug/L	09/30/10	04:07	
61551-39	Se	2.82174	4.65923	0.98426	92.09166	ug/L	09/30/10	04:07	
61551-39	Sb	-2.38512	-2.85134	-1.91891	27.64314	ug/L	09/30/10	04:07	
61551-39	Sn	-1.62113	-1.43896	-1.80330	15.89155	ug/L	09/30/10	04:07	
61551-39	Sr	33.88939	33.93965	33.83913	0.20975	ug/L	09/30/10	04:07	
61551-39	Ti	1.06319	1.12746	0.99893	8.54851	ug/L	09/30/10	04:07	
61551-39	Tl	-1.72094	-4.77131	1.32942	250.66894	ug/L	09/30/10	04:07	
61551-39	V	1.13322	0.90237	1.36407	28.80932	ug/L	09/30/10	04:07	
61551-39	Zn	8.91366	8.69190	9.13543	3.51846	ug/L	09/30/10	04:07	
61551-39	2203/1	7.78636	8.49621	7.07651	12.89278	ug/L	09/30/10	04:07	
61551-39	2203/2	-3.70831	-1.88368	-5.53294	69.58454	ug/L	09/30/10	04:07	
61551-39	1960/1	6.17286	8.59440	3.75131	55.47795	ug/L	09/30/10	04:07	
61551-39	1960/2	1.14870	2.69459	-0.39718	190.32083	ug/L	09/30/10	04:07	
61551-39	Y	1081.65637	1081.48474	1081.82800	0.02243		09/30/10	04:07	
61551-40	Ag	1.09804	1.34872	0.84736	32.28610	ug/L	09/30/10	04:13	
61551-40	Al	702.42077	701.41094	703.43054	0.20330	ug/L	09/30/10	04:13	
61551-40	2Al	0.70245	0.70144	0.70346	0.20330	mg/L	09/30/10	04:13	
61551-40	As	0.15703	0.36423	-0.05016	186.59391	ug/L	09/30/10	04:13	
61551-40	B	345.67547	345.54797	345.80297	0.05216	ug/L	09/30/10	04:13	
61551-40	Ba	7.91903	7.89073	7.94732	0.50531	ug/L	09/30/10	04:13	
61551-40	Be	0.03161	0.01821	0.04501	59.93557	ug/L	09/30/10	04:13	
61551-40	Ca	410.81384	410.52987	411.09783	0.09775	ug/L	09/30/10	04:13	
61551-40	Cd	-0.11117	-0.31755	0.09520	262.53271	ug/L	09/30/10	04:13	
61551-40	Co	-0.53949	-0.15402	-0.92496	101.04557	ug/L	09/30/10	04:13	
61551-40	Cr	0.22084	-0.10168	0.54337	206.53556	ug/L	09/30/10	04:13	
61551-40	Cu	-0.34773	-0.53863	-0.15682	77.64148	ug/L	09/30/10	04:13	
61551-40	Fe	22.51668	19.64907	25.38429	18.01071	ug/L	09/30/10	04:13	
61551-40	2Fe	0.02251	0.01964	0.02538	18.00997	mg/L	09/30/10	04:13	
61551-40	K	1115.61523	1099.75708	1131.47338	2.01026	ug/L	09/30/10	04:13	
61551-40	Mg	111.03096	112.41310	109.64881	1.76045	ug/L	09/30/10	04:13	
61551-40	2Mg	0.11099	0.11237	0.10961	1.76111	mg/L	09/30/10	04:13	
61551-40	Mn	1.22606	1.16534	1.28678	7.00374	ug/L	09/30/10	04:13	
61551-40	Mo	0.66412	1.25345	0.07478	125.49562	ug/L	09/30/10	04:13	
61551-40	Na	227800.37500	227970.75000	227630.00000	0.10577	ug/L	09/30/10	04:13	
61551-40	Ni	-0.45270	-0.92898	0.02357	148.78732	ug/L	09/30/10	04:13	
61551-40	Pb	-0.83431	-1.72156	0.05292	150.39262	ug/L	09/30/10	04:13	
61551-40	Se	-0.49043	-3.11290	2.13203	756.21893	ug/L	09/30/10	04:13	
61551-40	Sb	2.03437	0.98804	3.08069	72.73619	ug/L	09/30/10	04:13	
61551-40	Sn	-2.79847	-2.93547	-2.66147	6.92324	ug/L	09/30/10	04:13	
61551-40	Sr	35.91411	35.92078	35.90745	0.02624	ug/L	09/30/10	04:13	
61551-40	Ti	2.02463	2.08664	1.96262	4.33148	ug/L	09/30/10	04:13	
61551-40	Tl	-1.00516	-5.20008	3.18976	590.20660	ug/L	09/30/10	04:13	
61551-40	V	1.33821	1.31013	1.36630	2.96838	ug/L	09/30/10	04:13	
61551-40	Zn	6.30206	6.32541	6.27870	0.52407	ug/L	09/30/10	04:13	
61551-40	2203/1	6.51043	7.70631	5.31455	25.97723	ug/L	09/30/10	04:13	
61551-40	2203/2	-4.50118	-6.42843	-2.57394	60.55153	ug/L	09/30/10	04:13	
61551-40	1960/1	2.86433	3.50542	2.22325	31.65251	ug/L	09/30/10	04:13	
61551-40	1960/2	-2.16530	-6.41710	2.08650	277.69613	ug/L	09/30/10	04:13	
61551-40	Y	1081.88525	1083.22717	1080.54321	0.17542		09/30/10	04:13	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-40S	Ag	52.78984	52.22649	53.35319	1.50918	ug/L	09/30/10	04:18	
61551-40S	Al	2734.32714	2743.29418	2725.36010	0.46378	ug/L	09/30/10	04:18	
61551-40S	2Al	2.73425	2.74322	2.72528	0.46384	mg/L	09/30/10	04:18	
61551-40S	As	2038.68859	2037.57324	2039.80395	0.07737	ug/L	09/30/10	04:18	
61551-40S	B	1387.90502	1391.55737	1384.25280	0.37215	ug/L	09/30/10	04:18	
61551-40S	Ba	2118.45312	2123.21801	2113.68823	0.31808	ug/L	09/30/10	04:18	
61551-40S	Be	52.61862	52.57201	52.66522	0.12525	ug/L	09/30/10	04:18	
61551-40S	Ca	5606.79101	5604.33886	5609.24267	0.06184	ug/L	09/30/10	04:18	
61551-40S	Cd	53.30025	53.35201	53.24849	0.13733	ug/L	09/30/10	04:18	
61551-40S	Co	526.42443	526.72802	526.12084	0.08155	ug/L	09/30/10	04:18	
61551-40S	Cr	212.14965	212.28881	212.01048	0.09277	ug/L	09/30/10	04:18	
61551-40S	Cu	263.07507	264.00543	262.14474	0.50012	ug/L	09/30/10	04:18	
61551-40S	Fe	1072.09020	1065.89721	1078.28320	0.81692	ug/L	09/30/10	04:18	
61551-40S	2Fe	1.07217	1.06598	1.07836	0.81673	mg/L	09/30/10	04:18	
61551-40S	K	7839.60058	7827.74853	7851.45214	0.21379	ug/L	09/30/10	04:18	
61551-40S	Mg	5317.92724	5317.94042	5317.91406	0.00035	ug/L	09/30/10	04:18	
61551-40S	2Mg	5.31647	5.31649	5.31646	0.00038	mg/L	09/30/10	04:18	
61551-40S	Mn	526.35034	526.55462	526.14611	0.05487	ug/L	09/30/10	04:18	
61551-40S	Mo	529.14355	528.78381	529.50323	0.09613	ug/L	09/30/10	04:18	
61551-40S	Na	228639.76562	228075.60937	229203.92187	0.34894	ug/L	09/30/10	04:18	
61551-40S	Ni	523.94873	522.70275	525.19476	0.33631	ug/L	09/30/10	04:18	
61551-40S	Pb	520.63433	520.46942	520.79925	0.04479	ug/L	09/30/10	04:18	
61551-40S	Se	2082.86279	2075.97216	2089.75366	0.46786	ug/L	09/30/10	04:18	
61551-40S	Sb	508.73376	506.88204	510.58547	0.51475	ug/L	09/30/10	04:18	
61551-40S	Sn	1064.15222	1062.37500	1065.92944	0.23618	ug/L	09/30/10	04:18	
61551-40S	Sr	587.52844	588.30871	586.74810	0.18782	ug/L	09/30/10	04:18	
61551-40S	Ti	729.92407	730.21875	729.62933	0.05709	ug/L	09/30/10	04:18	
61551-40S	Tl	2185.91943	2185.57299	2186.26562	0.02240	ug/L	09/30/10	04:18	
61551-40S	V	513.37463	513.57250	513.17681	0.05450	ug/L	09/30/10	04:18	
61551-40S	Zn	542.08166	541.02349	543.13977	0.27605	ug/L	09/30/10	04:18	
61551-40S	2203/1	522.70172	520.83831	524.56512	0.50415	ug/L	09/30/10	04:18	
61551-40S	2203/2	519.60217	520.28521	518.91912	0.18590	ug/L	09/30/10	04:18	
61551-40S	1960/1	2061.89868	2056.62548	2067.17187	0.36167	ug/L	09/30/10	04:18	
61551-40S	1960/2	2093.32861	2085.63037	2101.02685	0.52007	ug/L	09/30/10	04:18	
61551-40S	Y	1075.99365	1078.15844	1073.82873	0.28453		09/30/10	04:18	
61551-40SD	Ag	52.60482	52.37088	52.83877	0.62893	ug/L	09/30/10	04:23	
61551-40SD	Al	2821.41528	2819.73657	2823.09399	0.08414	ug/L	09/30/10	04:23	
61551-40SD	2Al	2.82144	2.81966	2.82322	0.08927	mg/L	09/30/10	04:23	
61551-40SD	As	2067.21386	2075.32983	2059.09765	0.55523	ug/L	09/30/10	04:23	
61551-40SD	B	1420.39550	1425.34326	1415.44775	0.49262	ug/L	09/30/10	04:23	
61551-40SD	Ba	2151.63989	2152.14038	2151.13940	0.03289	ug/L	09/30/10	04:23	
61551-40SD	Be	53.34042	53.45059	53.23025	0.29209	ug/L	09/30/10	04:23	
61551-40SD	Ca	5672.95214	5678.76953	5667.13427	0.14502	ug/L	09/30/10	04:23	
61551-40SD	Cd	53.73376	53.78343	53.68408	0.13074	ug/L	09/30/10	04:23	
61551-40SD	Co	535.75811	536.57153	534.94470	0.21471	ug/L	09/30/10	04:23	
61551-40SD	Cr	215.58044	215.77229	215.38859	0.12585	ug/L	09/30/10	04:23	
61551-40SD	Cu	267.14779	266.72409	267.57150	0.22429	ug/L	09/30/10	04:23	
61551-40SD	Fe	1066.82421	1058.85095	1074.79760	1.05696	ug/L	09/30/10	04:23	
61551-40SD	2Fe	1.06691	1.05894	1.07488	1.05672	mg/L	09/30/10	04:23	
61551-40SD	K	8041.68261	7984.57373	8098.79199	1.00432	ug/L	09/30/10	04:23	
61551-40SD	Mg	5373.24951	5380.97705	5365.52197	0.20338	ug/L	09/30/10	04:23	
61551-40SD	2Mg	5.37178	5.37951	5.36406	0.20342	mg/L	09/30/10	04:23	
61551-40SD	Mn	533.74584	534.62951	532.86212	0.23414	ug/L	09/30/10	04:23	
61551-40SD	Mo	536.80627	535.70452	537.90795	0.29024	ug/L	09/30/10	04:23	
61551-40SD	Na	244965.21875	246848.17187	243082.26562	1.08705	ug/L	09/30/10	04:23	
61551-40SD	Ni	529.16448	530.91345	527.41552	0.46741	ug/L	09/30/10	04:23	
61551-40SD	Pb	525.54711	527.20910	523.88519	0.44722	ug/L	09/30/10	04:23	
61551-40SD	Se	2103.63232	2102.92700	2104.33789	0.04742	ug/L	09/30/10	04:23	
61551-40SD	Sb	513.85021	514.31488	513.38555	0.12788	ug/L	09/30/10	04:23	
61551-40SD	Sn	1074.97692	1076.16418	1073.78967	0.15619	ug/L	09/30/10	04:23	
61551-40SD	Sr	596.25439	598.01776	594.49102	0.41824	ug/L	09/30/10	04:23	
61551-40SD	Ti	739.65686	740.27227	739.04138	0.11767	ug/L	09/30/10	04:23	
61551-40SD	Tl	2219.63671	2226.98168	2212.29199	0.46796	ug/L	09/30/10	04:23	
61551-40SD	V	519.70666	519.17333	520.23992	0.14511	ug/L	09/30/10	04:23	
61551-40SD	Zn	549.64776	549.84765	549.44787	0.05143	ug/L	09/30/10	04:23	
61551-40SD	2203/1	523.51110	521.80505	525.21710	0.46086	ug/L	09/30/10	04:23	
61551-40SD	2203/2	526.56365	529.90710	523.22021	0.89796	ug/L	09/30/10	04:23	
61551-40SD	1960/1	2078.52709	2076.62451	2080.42968	0.12945	ug/L	09/30/10	04:23	
61551-40SD	1960/2	2116.16552	2116.05761	2116.27343	0.00721	ug/L	09/30/10	04:23	
61551-40SD	Y	1075.03442	1072.26245	1077.80639	0.36465		09/30/10	04:23	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	508.18225	508.61541	507.74911	0.12054	ug/L	09/30/10	04:28	
CCV	Al	4966.77246	4967.85791	4965.68750	0.03089	ug/L	09/30/10	04:28	
CCV	2Al	4.96666	4.96785	4.96548	0.03378	mg/L	09/30/10	04:28	
CCV	As	507.49353	507.85366	507.13342	0.10035	ug/L	09/30/10	04:28	
CCV	B	5120.19824	5123.83789	5116.55908	0.10052	ug/L	09/30/10	04:28	
CCV	Ba	5057.96875	5063.37451	5052.56250	0.15115	ug/L	09/30/10	04:28	
CCV	Be	521.12866	522.50231	519.75494	0.37278	ug/L	09/30/10	04:28	
CCV	Ca	5127.52685	5138.59130	5116.46240	0.30516	ug/L	09/30/10	04:28	
CCV	Cd	520.78198	522.01953	519.54449	0.33605	ug/L	09/30/10	04:28	
CCV	Co	514.99060	515.97442	514.00683	0.27015	ug/L	09/30/10	04:28	
CCV	Cr	5172.61425	5184.67626	5160.55224	0.32978	ug/L	09/30/10	04:28	
CCV	Cu	5036.47363	5044.41552	5028.53173	0.22300	ug/L	09/30/10	04:28	
CCV	Fe	5064.57470	5074.53027	5054.61914	0.27799	ug/L	09/30/10	04:28	
CCV	2Fe	5.06457	5.07453	5.05462	0.27797	mg/L	09/30/10	04:28	
CCV	K	10166.82421	10179.46582	10154.18261	0.17584	ug/L	09/30/10	04:28	
CCV	Mg	5118.53173	5130.21191	5106.85156	0.32271	ug/L	09/30/10	04:28	
CCV	2Mg	5.11856	5.13023	5.10688	0.32269	mg/L	09/30/10	04:28	
CCV	Mn	5159.77050	5169.65722	5149.88378	0.27097	ug/L	09/30/10	04:28	
CCV	Mo	517.33703	517.78405	516.89001	0.12219	ug/L	09/30/10	04:28	
CCV	Na	7848.44335	7775.28076	7921.60546	1.31831	ug/L	09/30/10	04:28	
CCV	Ni	2566.65747	2570.01806	2563.29687	0.18516	ug/L	09/30/10	04:28	
CCV	Pb	516.11102	518.10894	514.11309	0.54745	ug/L	09/30/10	04:28	
CCV	Se	5140.65087	5151.58984	5129.71191	0.30093	ug/L	09/30/10	04:28	
CCV	Sb	497.23144	494.87451	499.58834	0.67034	ug/L	09/30/10	04:28	
CCV	Sn	5158.29296	5168.66503	5147.92089	0.28436	ug/L	09/30/10	04:28	
CCV	Sr	2615.06469	2621.22875	2608.90063	0.33334	ug/L	09/30/10	04:28	
CCV	Ti	505.94250	506.63916	505.24584	0.19472	ug/L	09/30/10	04:28	
CCV	Tl	5210.73925	5227.63330	5193.84472	0.45851	ug/L	09/30/10	04:28	
CCV	V	5067.63476	5073.21630	5062.05322	0.15576	ug/L	09/30/10	04:28	
CCV	Zn	2596.52490	2602.86059	2590.18945	0.34507	ug/L	09/30/10	04:28	
CCV	2203/1	516.29010	515.82769	516.75250	0.12666	ug/L	09/30/10	04:28	
CCV	2203/2	516.01751	519.24383	512.79119	0.88421	ug/L	09/30/10	04:28	
CCV	1960/1	5065.51220	5075.88330	5055.14111	0.28954	ug/L	09/30/10	04:28	
CCV	1960/2	5178.16406	5189.38623	5166.94140	0.30649	ug/L	09/30/10	04:28	
CCV	Y	1075.57995	1074.41833	1076.74157	0.15273		09/30/10	04:28	
CCB	Ag	1.21208	0.93853	1.48562	31.91648	ug/L	09/30/10	04:33	
CCB	Al	9.07401	7.74731	10.40071	20.67703	ug/L	09/30/10	04:33	
CCB	2Al	0.00907	0.00774	0.01040	20.67706	mg/L	09/30/10	04:33	
CCB	As	-2.74357	-3.52606	-1.96108	40.33433	ug/L	09/30/10	04:33	
CCB	B	9.36971	10.54219	8.19723	17.69680	ug/L	09/30/10	04:33	
CCB	Ba	0.90949	0.27464	1.54434	98.71540	ug/L	09/30/10	04:33	
CCB	Be	0.10035	0.05384	0.14687	65.54572	ug/L	09/30/10	04:33	
CCB	Ca	-1.37976	-0.80940	-1.95012	58.46015	ug/L	09/30/10	04:33	
CCB	Cd	-0.03540	-0.15505	0.08424	477.94006	ug/L	09/30/10	04:33	
CCB	Co	-0.33197	-0.34468	-0.31926	5.41479	ug/L	09/30/10	04:33	
CCB	Cr	1.00367	0.21985	1.78749	110.44297	ug/L	09/30/10	04:33	
CCB	Cu	-0.53601	-1.11873	0.04669	153.74238	ug/L	09/30/10	04:33	
CCB	Fe	-3.34144	3.95485	-10.63775	308.80404	ug/L	09/30/10	04:33	
CCB	2Fe	-0.00334	0.00395	-0.01063	308.80480	mg/L	09/30/10	04:33	
CCB	K	14.45972	28.60022	0.31923	138.29916	ug/L	09/30/10	04:33	
CCB	Mg	1.52492	0.00158	3.04827	141.27481	ug/L	09/30/10	04:33	
CCB	2Mg	0.00152	0.00000	0.00304	141.33439	mg/L	09/30/10	04:33	
CCB	Mn	0.81862	0.11726	1.51998	121.16404	ug/L	09/30/10	04:33	
CCB	Mo	-0.32934	0.14926	-0.80794	205.51487	ug/L	09/30/10	04:33	
CCB	Na	211.09289	170.76455	251.42121	27.01790	ug/L	09/30/10	04:33	
CCB	Ni	0.11669	-0.00948	0.24287	152.91020	ug/L	09/30/10	04:33	
CCB	Pb	0.88705	-1.15972	2.93383	326.31423	ug/L	09/30/10	04:33	
CCB	Se	4.61997	4.48100	4.75893	4.25388	ug/L	09/30/10	04:33	
CCB	Sb	0.15789	4.12552	-3.80973	3553.59008	ug/L	09/30/10	04:33	
CCB	Sn	0.26661	0.29528	0.23795	15.20570	ug/L	09/30/10	04:33	
CCB	Sr	0.41278	0.07659	0.74898	115.18141	ug/L	09/30/10	04:33	
CCB	Ti	0.22573	0.26845	0.18301	26.76480	ug/L	09/30/10	04:33	
CCB	Tl	3.63839	5.61257	1.66421	76.73481	ug/L	09/30/10	04:33	
CCB	V	1.17609	1.19808	1.15410	2.64457	ug/L	09/30/10	04:33	
CCB	Zn	0.22322	-0.09589	0.54234	202.17504	ug/L	09/30/10	04:33	
CCB	2203/1	5.55701	2.25077	8.86325	84.14109	ug/L	09/30/10	04:33	
CCB	2203/2	-1.44442	-2.86241	-0.02643	138.83332	ug/L	09/30/10	04:33	
CCB	1960/1	9.44312	9.07640	9.80984	5.49201	ug/L	09/30/10	04:33	
CCB	1960/2	2.21201	2.18675	2.23727	1.61501	ug/L	09/30/10	04:33	
CCB	Y	1082.98950	1083.04235	1082.93676	0.00689		09/30/10	04:33	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 181383	Ag	1.41839	0.89292	1.94385	52.39196	ug/L	09/30/10	04:39	
PBW 181383	Al	9.54369	13.11092	5.97646	52.86026	ug/L	09/30/10	04:39	
PBW 181383	2Al	0.00954	0.01311	0.00597	52.86026	mg/L	09/30/10	04:39	
PBW 181383	As	-1.87398	-2.07015	-1.67782	14.80378	ug/L	09/30/10	04:39	
PBW 181383	B	1.87632	1.68884	2.06380	14.13081	ug/L	09/30/10	04:39	
PBW 181383	Ba	0.30586	0.31191	0.29981	2.79627	ug/L	09/30/10	04:39	
PBW 181383	Be	0.01033	0.00412	0.01655	85.02653	ug/L	09/30/10	04:39	
PBW 181383	Ca	24.14279	24.32778	23.95779	1.08363	ug/L	09/30/10	04:39	
PBW 181383	Cd	0.00103	0.00834	-0.00627	997.95867	ug/L	09/30/10	04:39	
PBW 181383	Co	-0.36824	-0.28862	-0.44787	30.57896	ug/L	09/30/10	04:39	
PBW 181383	Cr	-0.22219	-0.30272	-0.14166	51.25404	ug/L	09/30/10	04:39	
PBW 181383	Cu	-1.22421	-1.31792	-1.13049	10.82594	ug/L	09/30/10	04:39	
PBW 181383	Fe	9.57631	2.81801	16.33462	99.80541	ug/L	09/30/10	04:39	
PBW 181383	2Fe	0.00957	0.00281	0.01633	99.80538	mg/L	09/30/10	04:39	
PBW 181383	K	32.29486	21.81340	42.77631	45.89899	ug/L	09/30/10	04:39	
PBW 181383	Mg	0.00341	0.00226	0.00456	47.53509	ug/L	09/30/10	04:39	
PBW 181383	2Mg	0.00000	0.00000	0.00000	3.31905	mg/L	09/30/10	04:39	
PBW 181383	Mn	0.22947	0.23485	0.22408	3.31905	ug/L	09/30/10	04:39	
PBW 181383	Mo	1.58753	0.37016	2.80490	108.44585	ug/L	09/30/10	04:39	
PBW 181383	Na	453.31976	364.09280	542.54675	27.83597	ug/L	09/30/10	04:39	
PBW 181383	Ni	-0.20361	-0.39679	-0.01043	134.17388	ug/L	09/30/10	04:39	
PBW 181383	Pb	0.89120	0.69362	1.08877	31.35265	ug/L	09/30/10	04:39	
PBW 181383	Se	3.27299	3.00488	3.54110	11.58469	ug/L	09/30/10	04:39	
PBW 181383	Sb	3.60660	-0.47485	7.68805	160.04122	ug/L	09/30/10	04:39	
PBW 181383	Sn	0.41133	-0.39687	1.21955	277.86978	ug/L	09/30/10	04:39	
PBW 181383	Sr	0.05426	0.05732	0.05120	7.96971	ug/L	09/30/10	04:39	
PBW 181383	Ti	-0.07326	-0.13685	-0.00967	122.74037	ug/L	09/30/10	04:39	
PBW 181383	Tl	2.36360	4.65358	0.07362	137.01643	ug/L	09/30/10	04:39	
PBW 181383	V	0.58566	0.73711	0.43421	36.57025	ug/L	09/30/10	04:39	
PBW 181383	Zn	2.48106	2.57276	2.38936	5.22708	ug/L	09/30/10	04:39	
PBW 181383	2203/1	7.51361	8.07370	6.95353	10.54197	ug/L	09/30/10	04:39	
PBW 181383	2203/2	-2.41504	-2.99088	-1.83920	33.72037	ug/L	09/30/10	04:39	
PBW 181383	1960/1	7.88361	7.48146	8.28575	7.21399	ug/L	09/30/10	04:39	
PBW 181383	1960/2	0.97114	0.76994	1.17233	29.29854	ug/L	09/30/10	04:39	
PBW 181383	Y	1082.13598	1083.63195	1080.64001	0.19550		09/30/10	04:39	
LCSW-1	Ag	51.27681	52.24885	50.30477	2.68088	ug/L	09/30/10	04:44	
LCSW-1	Al	1969.92480	1972.47192	1967.37780	0.18285	ug/L	09/30/10	04:44	
LCSW-1	2Al	1.96991	1.97236	1.96747	0.17558	mg/L	09/30/10	04:44	
LCSW-1	As	1977.14843	1981.24865	1973.04821	0.29328	ug/L	09/30/10	04:44	
LCSW-1	B	1020.58355	1021.35241	1019.81469	0.10654	ug/L	09/30/10	04:44	
LCSW-1	Ba	2031.62329	2033.39550	2029.85119	0.12335	ug/L	09/30/10	04:44	
LCSW-1	Be	51.09127	51.12832	51.05423	0.10254	ug/L	09/30/10	04:44	
LCSW-1	Ca	5047.04687	5050.83447	5043.25927	0.10613	ug/L	09/30/10	04:44	
LCSW-1	Cd	51.74157	51.93601	51.54714	0.53142	ug/L	09/30/10	04:44	
LCSW-1	Co	512.54699	512.41906	512.67492	0.03529	ug/L	09/30/10	04:44	
LCSW-1	Cr	206.54849	207.20196	205.89501	0.44742	ug/L	09/30/10	04:44	
LCSW-1	Cu	248.86459	249.68806	248.04110	0.46795	ug/L	09/30/10	04:44	
LCSW-1	Fe	1008.66015	1011.16284	1006.15753	0.35089	ug/L	09/30/10	04:44	
LCSW-1	2Fe	1.00874	1.01124	1.00624	0.35080	mg/L	09/30/10	04:44	
LCSW-1	K	5076.07519	5091.47802	5060.67236	0.42912	ug/L	09/30/10	04:44	
LCSW-1	Mg	5051.93798	5057.70751	5046.16845	0.16150	ug/L	09/30/10	04:44	
LCSW-1	2Mg	5.05056	5.05633	5.04480	0.16150	mg/L	09/30/10	04:44	
LCSW-1	Mn	513.91870	514.56622	513.27117	0.17818	ug/L	09/30/10	04:44	
LCSW-1	Mo	508.75042	508.79675	508.70413	0.01287	ug/L	09/30/10	04:44	
LCSW-1	Na	5079.29589	5040.39208	5118.19921	1.08318	ug/L	09/30/10	04:44	
LCSW-1	Ni	506.36453	507.68051	505.04855	0.36753	ug/L	09/30/10	04:44	
LCSW-1	Pb	505.07116	506.34640	503.79592	0.35707	ug/L	09/30/10	04:44	
LCSW-1	Se	2028.97167	2029.22229	2028.72119	0.01746	ug/L	09/30/10	04:44	
LCSW-1	Sb	491.47497	490.90835	492.04162	0.16304	ug/L	09/30/10	04:44	
LCSW-1	Sn	1020.86468	1020.64746	1021.08190	0.03009	ug/L	09/30/10	04:44	
LCSW-1	Sr	531.45751	532.32806	530.58697	0.23165	ug/L	09/30/10	04:44	
LCSW-1	Ti	701.98828	702.96801	701.00848	0.19738	ug/L	09/30/10	04:44	
LCSW-1	Tl	2112.38378	2108.41503	2116.35229	0.26569	ug/L	09/30/10	04:44	
LCSW-1	V	498.80389	498.66940	498.93838	0.03813	ug/L	09/30/10	04:44	
LCSW-1	Zn	516.62554	517.38635	515.86474	0.20826	ug/L	09/30/10	04:44	
LCSW-1	2203/1	504.41415	506.71588	502.11242	0.64532	ug/L	09/30/10	04:44	
LCSW-1	2203/2	505.39916	506.16195	504.63641	0.21343	ug/L	09/30/10	04:44	
LCSW-1	1960/1	2005.77941	2006.38037	2005.17846	0.04237	ug/L	09/30/10	04:44	
LCSW-1	1960/2	2040.55004	2040.62561	2040.47436	0.00524	ug/L	09/30/10	04:44	
LCSW-1	Y	1079.86560	1079.61035	1080.12084	0.03342		09/30/10	04:44	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-41	Ag	1.05268	0.93876	1.16660	15.30438	ug/L	09/30/10	04:49	
61551-41	Al	584.57293	585.08477	584.06109	0.12382	ug/L	09/30/10	04:49	
61551-41	2Al	0.58460	0.58511	0.58408	0.12383	mg/L	09/30/10	04:49	
61551-41	As	0.05344	-0.48808	0.59496	1433.00878	ug/L	09/30/10	04:49	
61551-41	B	333.21493	333.89181	332.53805	0.28727	ug/L	09/30/10	04:49	
61551-41	Ba	7.38636	7.45002	7.32269	1.21893	ug/L	09/30/10	04:49	
61551-41	Be	0.01347	0.01629	0.01066	29.53406	ug/L	09/30/10	04:49	
61551-41	Ca	405.85290	406.61770	405.08813	0.26649	ug/L	09/30/10	04:49	
61551-41	Cd	-0.04858	0.18240	-0.27957	672.33282	ug/L	09/30/10	04:49	
61551-41	Co	-0.36903	0.09799	-0.83605	178.97340	ug/L	09/30/10	04:49	
61551-41	Cr	0.24061	0.22107	0.26016	11.48706	ug/L	09/30/10	04:49	
61551-41	Cu	0.15815	0.20176	0.11453	39.00100	ug/L	09/30/10	04:49	
61551-41	Fe	18.58054	33.17932	3.98175	111.11515	ug/L	09/30/10	04:49	
61551-41	2Fe	0.01857	0.03317	0.00398	111.11668	mg/L	09/30/10	04:49	
61551-41	K	1062.37768	1074.13708	1050.61816	1.56539	ug/L	09/30/10	04:49	
61551-41	Mg	106.51446	109.67189	103.35702	4.19219	ug/L	09/30/10	04:49	
61551-41	2Mg	0.10648	0.10963	0.10332	4.18889	mg/L	09/30/10	04:49	
61551-41	Mn	0.71306	0.73166	0.69445	3.68957	ug/L	09/30/10	04:49	
61551-41	Mo	2.43476	2.65805	2.21147	12.96948	ug/L	09/30/10	04:49	
61551-41	Na	218470.25000	219152.17187	217788.34375	0.44142	ug/L	09/30/10	04:49	
61551-41	Ni	0.04163	-0.27109	0.35436	1062.36633	ug/L	09/30/10	04:49	
61551-41	Pb	1.15074	1.48036	0.82112	40.50939	ug/L	09/30/10	04:49	
61551-41	Se	1.52710	1.79079	1.26342	24.41941	ug/L	09/30/10	04:49	
61551-41	Sb	1.20768	3.36941	-0.95404	253.14218	ug/L	09/30/10	04:49	
61551-41	Sn	-1.17958	-0.87887	-1.48030	36.05239	ug/L	09/30/10	04:49	
61551-41	Sr	34.40334	34.44592	34.36076	0.17503	ug/L	09/30/10	04:49	
61551-41	Ti	1.58701	1.64182	1.53220	4.88420	ug/L	09/30/10	04:49	
61551-41	Tl	4.01180	7.09067	0.93294	108.53396	ug/L	09/30/10	04:49	
61551-41	V	0.60169	0.65325	0.55012	12.11979	ug/L	09/30/10	04:49	
61551-41	Zn	7.35587	7.49111	7.22063	2.60002	ug/L	09/30/10	04:49	
61551-41	2203/1	10.51082	13.03105	7.99058	33.90933	ug/L	09/30/10	04:49	
61551-41	2203/2	-3.52227	-4.28631	-2.75823	30.67654	ug/L	09/30/10	04:49	
61551-41	1960/1	8.22559	8.11157	8.33961	1.96032	ug/L	09/30/10	04:49	
61551-41	1960/2	-1.81711	-1.36485	-2.26937	35.19810	ug/L	09/30/10	04:49	
61551-41	Y	1081.42309	1080.28796	1082.55834	0.14845		09/30/10	04:49	
61551-42	Ag	0.59655	0.61825	0.57485	5.14414	ug/L	09/30/10	04:54	
61551-42	Al	597.39593	604.84234	589.94952	1.76278	ug/L	09/30/10	04:54	
61551-42	2Al	0.59742	0.60487	0.58997	1.76278	mg/L	09/30/10	04:54	
61551-42	As	0.03767	1.16305	-1.08770	4224.07226	ug/L	09/30/10	04:54	
61551-42	B	346.67080	346.87808	346.46353	0.08455	ug/L	09/30/10	04:54	
61551-42	Ba	7.64261	7.69436	7.59086	0.95752	ug/L	09/30/10	04:54	
61551-42	Be	-0.01117	-0.00740	-0.01494	47.68771	ug/L	09/30/10	04:54	
61551-42	Ca	385.47085	387.10787	383.83383	0.60059	ug/L	09/30/10	04:54	
61551-42	Cd	-0.15361	-0.00579	-0.30144	136.08927	ug/L	09/30/10	04:54	
61551-42	Co	-0.52291	-0.12440	-0.92142	107.77615	ug/L	09/30/10	04:54	
61551-42	Cr	0.44170	0.54565	0.33776	33.28031	ug/L	09/30/10	04:54	
61551-42	Cu	0.68422	0.68585	0.68260	0.33611	ug/L	09/30/10	04:54	
61551-42	Fe	5.09840	9.60425	0.59255	124.98491	ug/L	09/30/10	04:54	
61551-42	2Fe	0.00509	0.00960	0.00059	124.99330	mg/L	09/30/10	04:54	
61551-42	K	1084.05895	1104.23449	1063.88342	2.63200	ug/L	09/30/10	04:54	
61551-42	Mg	109.45629	106.90097	112.01163	3.30157	ug/L	09/30/10	04:54	
61551-42	2Mg	0.10942	0.10686	0.11198	3.30262	mg/L	09/30/10	04:54	
61551-42	Mn	0.60610	0.59184	0.62036	3.32634	ug/L	09/30/10	04:54	
61551-42	Mo	0.22500	0.73976	-0.28976	323.55004	ug/L	09/30/10	04:54	
61551-42	Na	229579.50000	230683.71875	228475.26562	0.68020	ug/L	09/30/10	04:54	
61551-42	Ni	-0.76273	0.18184	-1.70731	175.13780	ug/L	09/30/10	04:54	
61551-42	Pb	2.03195	1.70852	2.35537	22.51011	ug/L	09/30/10	04:54	
61551-42	Se	1.52493	1.75353	1.29634	21.19993	ug/L	09/30/10	04:54	
61551-42	Sb	-1.16942	-3.89452	1.55566	329.55111	ug/L	09/30/10	04:54	
61551-42	Sn	-2.21317	-2.63173	-1.79462	26.74571	ug/L	09/30/10	04:54	
61551-42	Sr	35.86730	35.95904	35.77555	0.36175	ug/L	09/30/10	04:54	
61551-42	Ti	1.23275	1.12997	1.33553	11.79037	ug/L	09/30/10	04:54	
61551-42	Tl	3.89484	4.19804	3.59165	11.00898	ug/L	09/30/10	04:54	
61551-42	V	0.24840	0.70617	-0.20936	260.61743	ug/L	09/30/10	04:54	
61551-42	Zn	3.94580	3.99595	3.89566	1.79717	ug/L	09/30/10	04:54	
61551-42	2203/1	7.26432	4.35656	10.17209	56.60809	ug/L	09/30/10	04:54	
61551-42	2203/2	-0.58031	0.38648	-1.54711	235.60816	ug/L	09/30/10	04:54	
61551-42	1960/1	2.78676	3.83850	1.73502	53.37304	ug/L	09/30/10	04:54	
61551-42	1960/2	0.89497	0.71261	1.07732	28.81538	ug/L	09/30/10	04:54	
61551-42	Y	1082.24597	1077.45434	1087.03759	0.62614		09/30/10	04:54	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-43	Ag	1.39544	1.43964	1.35123	4.48007	ug/L	09/30/10	04:59	
61551-43	Al	150.85574	148.30477	153.40670	2.39142	ug/L	09/30/10	04:59	
61551-43	2Al	0.15086	0.14831	0.15341	2.39141	mg/L	09/30/10	04:59	
61551-43	As	-2.58179	-3.27409	-1.88950	37.92128	ug/L	09/30/10	04:59	
61551-43	B	352.62826	352.15911	353.09741	0.18815	ug/L	09/30/10	04:59	
61551-43	Ba	7.12896	7.11646	7.14147	0.24807	ug/L	09/30/10	04:59	
61551-43	Be	0.03089	0.01840	0.04338	57.17128	ug/L	09/30/10	04:59	
61551-43	Ca	400.12231	399.48519	400.75942	0.22518	ug/L	09/30/10	04:59	
61551-43	Cd	-0.03816	-0.06791	-0.00841	110.22817	ug/L	09/30/10	04:59	
61551-43	Co	-0.48044	0.01065	-0.97153	144.55810	ug/L	09/30/10	04:59	
61551-43	Cr	0.34170	0.38022	0.30318	15.94360	ug/L	09/30/10	04:59	
61551-43	Cu	-0.27257	-0.18688	-0.35826	44.46052	ug/L	09/30/10	04:59	
61551-43	Fe	29.86148	22.98957	36.73339	32.54477	ug/L	09/30/10	04:59	
61551-43	2Fe	0.02985	0.02298	0.03672	32.54412	mg/L	09/30/10	04:59	
61551-43	K	1192.25244	1183.66796	1200.83703	1.01827	ug/L	09/30/10	04:59	
61551-43	Mg	94.40872	91.10852	97.70891	4.94359	ug/L	09/30/10	04:59	
61551-43	2Mg	0.09437	0.09107	0.09767	4.94201	mg/L	09/30/10	04:59	
61551-43	Mn	0.51283	0.55239	0.47328	10.90732	ug/L	09/30/10	04:59	
61551-43	Mo	1.25950	-0.29205	2.81107	174.21472	ug/L	09/30/10	04:59	
61551-43	Na	234781.65625	234448.84375	235114.45312	0.20046	ug/L	09/30/10	04:59	
61551-43	Ni	1.01813	0.46797	1.56829	76.41896	ug/L	09/30/10	04:59	
61551-43	Pb	0.55751	1.70469	-0.58966	290.99862	ug/L	09/30/10	04:59	
61551-43	Se	1.91067	1.45791	2.36343	33.51172	ug/L	09/30/10	04:59	
61551-43	Sb	1.71257	3.36497	0.06017	136.45260	ug/L	09/30/10	04:59	
61551-43	Sn	-0.95923	-1.11823	-0.80023	23.44179	ug/L	09/30/10	04:59	
61551-43	Sr	30.23514	30.22409	30.24618	0.05165	ug/L	09/30/10	04:59	
61551-43	Ti	0.13249	0.12227	0.14270	10.90368	ug/L	09/30/10	04:59	
61551-43	Tl	5.98151	6.46260	5.50043	11.37425	ug/L	09/30/10	04:59	
61551-43	V	1.23901	1.15946	1.31856	9.07985	ug/L	09/30/10	04:59	
61551-43	Zn	11.02469	11.15392	10.89545	1.65775	ug/L	09/30/10	04:59	
61551-43	2203/1	8.60068	12.87306	4.32831	70.25077	ug/L	09/30/10	04:59	
61551-43	2203/2	-3.45804	-3.87111	-3.04497	16.89303	ug/L	09/30/10	04:59	
61551-43	1960/1	7.39930	7.39604	7.40255	0.06217	ug/L	09/30/10	04:59	
61551-43	1960/2	-0.82952	-1.50670	-0.15234	115.44854	ug/L	09/30/10	04:59	
61551-43	Y	1080.73681	1083.64953	1077.82397	0.38115		09/30/10	04:59	
61551-44	Ag	0.84641	0.66303	1.02979	30.63938	ug/L	09/30/10	05:05	
61551-44	Al	450.95776	453.76449	448.15100	0.88020	ug/L	09/30/10	05:05	
61551-44	2Al	0.45098	0.45378	0.44817	0.88020	mg/L	09/30/10	05:05	
61551-44	As	-1.99388	-3.54147	-0.44629	109.76673	ug/L	09/30/10	05:05	
61551-44	B	317.22686	317.46740	316.98629	0.10724	ug/L	09/30/10	05:05	
61551-44	Ba	6.95360	7.05736	6.84983	2.11038	ug/L	09/30/10	05:05	
61551-44	Be	0.00662	-0.00446	0.01771	236.74470	ug/L	09/30/10	05:05	
61551-44	Ca	396.51940	397.08813	395.95068	0.20283	ug/L	09/30/10	05:05	
61551-44	Cd	-0.12693	-0.19959	-0.05426	80.96096	ug/L	09/30/10	05:05	
61551-44	Co	-0.49266	-0.06537	-0.91995	122.65427	ug/L	09/30/10	05:05	
61551-44	Cr	0.34412	0.38794	0.30030	18.00711	ug/L	09/30/10	05:05	
61551-44	Cu	-0.38160	-0.26367	-0.49953	43.70359	ug/L	09/30/10	05:05	
61551-44	Fe	15.30986	22.14827	8.47146	63.16820	ug/L	09/30/10	05:05	
61551-44	2Fe	0.01530	0.02214	0.00847	63.17023	mg/L	09/30/10	05:05	
61551-44	K	1029.61499	1033.71447	1025.51550	0.56307	ug/L	09/30/10	05:05	
61551-44	Mg	102.37921	104.43589	100.32251	2.84100	ug/L	09/30/10	05:05	
61551-44	2Mg	0.10234	0.10440	0.10029	2.83943	mg/L	09/30/10	05:05	
61551-44	Mn	0.67536	0.71522	0.63551	8.34608	ug/L	09/30/10	05:05	
61551-44	Mo	1.14884	1.48565	0.81204	41.46007	ug/L	09/30/10	05:05	
61551-44	Na	208450.64062	209458.45312	207442.82812	0.68374	ug/L	09/30/10	05:05	
61551-44	Ni	-0.61664	-0.00747	-1.22580	139.70593	ug/L	09/30/10	05:05	
61551-44	Pb	1.87561	1.88939	1.86183	1.03887	ug/L	09/30/10	05:05	
61551-44	Se	1.04709	0.86043	1.23376	25.21113	ug/L	09/30/10	05:05	
61551-44	Sb	-0.18179	1.01029	-1.37389	927.33819	ug/L	09/30/10	05:05	
61551-44	Sn	-2.00897	-1.75756	-2.26038	17.69816	ug/L	09/30/10	05:05	
61551-44	Sr	32.68229	32.73181	32.63277	0.21426	ug/L	09/30/10	05:05	
61551-44	Ti	0.85170	0.94037	0.76302	14.72442	ug/L	09/30/10	05:05	
61551-44	Tl	-2.06200	-0.54179	-3.58222	104.26282	ug/L	09/30/10	05:05	
61551-44	V	0.45055	0.75801	0.14308	96.50786	ug/L	09/30/10	05:05	
61551-44	Zn	9.88045	9.74038	10.02052	2.00485	ug/L	09/30/10	05:05	
61551-44	2203/1	6.87431	6.30730	7.44133	11.66487	ug/L	09/30/10	05:05	
61551-44	2203/2	-0.61999	-0.31625	-0.92373	69.28363	ug/L	09/30/10	05:05	
61551-44	1960/1	3.81327	4.04197	3.58457	8.48166	ug/L	09/30/10	05:05	
61551-44	1960/2	-0.33392	-0.72795	0.06011	166.88168	ug/L	09/30/10	05:05	
61551-44	Y	1076.95727	1071.40881	1082.50561	0.72859		09/30/10	05:05	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-45	Ag	1.19226	0.39168	1.99285	94.96203	ug/L	09/30/10	05:10	
61551-45	Al	524.95532	520.85925	529.05139	1.10346	ug/L	09/30/10	05:10	
61551-45	2Al	0.52498	0.52088	0.52907	1.10346	mg/L	09/30/10	05:10	
61551-45	As	0.43207	0.34616	0.51798	28.11833	ug/L	09/30/10	05:10	
61551-45	B	337.65792	337.27047	338.04537	0.16227	ug/L	09/30/10	05:10	
61551-45	Ba	7.53625	7.44113	7.63137	1.78499	ug/L	09/30/10	05:10	
61551-45	Be	0.01275	0.00404	0.02146	96.53662	ug/L	09/30/10	05:10	
61551-45	Ca	450.69824	449.89614	451.50030	0.25167	ug/L	09/30/10	05:10	
61551-45	Cd	-0.06273	-0.00440	-0.12106	131.48266	ug/L	09/30/10	05:10	
61551-45	Co	-0.36992	-0.86458	0.12474	189.11100	ug/L	09/30/10	05:10	
61551-45	Cr	1.08807	0.78194	1.39421	39.78965	ug/L	09/30/10	05:10	
61551-45	Cu	0.78359	0.75207	0.81510	5.68772	ug/L	09/30/10	05:10	
61551-45	Fe	28.17143	21.92247	34.42039	31.36994	ug/L	09/30/10	05:10	
61551-45	2Fe	0.02816	0.02191	0.03441	31.37113	mg/L	09/30/10	05:10	
61551-45	K	1107.51318	1085.58557	1129.44091	2.80000	ug/L	09/30/10	05:10	
61551-45	Mg	112.70602	109.34844	116.06360	4.21302	ug/L	09/30/10	05:10	
61551-45	2Mg	0.11266	0.10931	0.11602	4.21186	mg/L	09/30/10	05:10	
61551-45	Mn	0.83221	0.74082	0.92360	15.53033	ug/L	09/30/10	05:10	
61551-45	Mo	1.18232	0.95890	1.40574	26.72405	ug/L	09/30/10	05:10	
61551-45	Na	223165.62500	222996.93750	223334.32812	0.10690	ug/L	09/30/10	05:10	
61551-45	Ni	-0.26972	-0.89300	0.35356	326.80172	ug/L	09/30/10	05:10	
61551-45	Pb	0.54272	-0.28732	1.37277	216.29154	ug/L	09/30/10	05:10	
61551-45	Se	3.28897	2.32313	4.25480	41.52972	ug/L	09/30/10	05:10	
61551-45	Sb	2.27323	-1.12461	5.67108	211.38558	ug/L	09/30/10	05:10	
61551-45	Sn	-2.11472	-3.12478	-1.10467	67.54704	ug/L	09/30/10	05:10	
61551-45	Sr	34.90793	34.92721	34.88864	0.07813	ug/L	09/30/10	05:10	
61551-45	Ti	1.06451	0.86979	1.25923	25.86891	ug/L	09/30/10	05:10	
61551-45	Tl	1.10109	-0.07628	2.27847	151.21960	ug/L	09/30/10	05:10	
61551-45	V	1.22138	0.45249	1.99028	89.02848	ug/L	09/30/10	05:10	
61551-45	Zn	9.40398	9.12225	9.68571	4.23683	ug/L	09/30/10	05:10	
61551-45	2203/1	7.34109	6.86534	7.81684	9.16500	ug/L	09/30/10	05:10	
61551-45	2203/2	-2.85136	-3.85829	-1.84442	49.94175	ug/L	09/30/10	05:10	
61551-45	1960/1	7.72713	6.14274	9.31152	28.99744	ug/L	09/30/10	05:10	
61551-45	1960/2	1.07321	0.41619	1.73023	86.57817	ug/L	09/30/10	05:10	
61551-45	Y	1080.49047	1083.46484	1077.51599	0.38931		09/30/10	05:10	
61551-46	Ag	1.05338	1.35109	0.75568	39.96828	ug/L	09/30/10	05:15	
61551-46	Al	162.95422	165.32162	160.58682	2.05457	ug/L	09/30/10	05:15	
61551-46	2Al	0.16296	0.16532	0.16059	2.05456	mg/L	09/30/10	05:15	
61551-46	As	-0.67889	-1.16007	-0.19771	100.23560	ug/L	09/30/10	05:15	
61551-46	B	340.42156	339.96441	340.87872	0.18991	ug/L	09/30/10	05:15	
61551-46	Ba	7.07423	7.12703	7.02143	1.05554	ug/L	09/30/10	05:15	
61551-46	Be	0.01427	0.02179	0.00675	74.53395	ug/L	09/30/10	05:15	
61551-46	Ca	363.76715	363.27084	364.26342	0.19294	ug/L	09/30/10	05:15	
61551-46	Cd	-0.01370	-0.34781	0.32040	3448.43359	ug/L	09/30/10	05:15	
61551-46	Co	-1.12770	-1.36370	-0.89170	29.59625	ug/L	09/30/10	05:15	
61551-46	Cr	-0.01987	-0.06045	0.02070	288.80130	ug/L	09/30/10	05:15	
61551-46	Cu	1.36728	0.90626	1.82831	47.68460	ug/L	09/30/10	05:15	
61551-46	Fe	22.65063	25.47071	19.83055	17.60745	ug/L	09/30/10	05:15	
61551-46	2Fe	0.02264	0.02546	0.01982	17.60705	mg/L	09/30/10	05:15	
61551-46	K	1266.10888	1277.61584	1254.60180	1.28530	ug/L	09/30/10	05:15	
61551-46	Mg	99.25576	100.73275	97.77876	2.10445	ug/L	09/30/10	05:15	
61551-46	2Mg	0.09922	0.10070	0.09774	2.10382	mg/L	09/30/10	05:15	
61551-46	Mn	0.58593	0.56776	0.60411	4.38716	ug/L	09/30/10	05:15	
61551-46	Mo	0.70320	-0.22187	1.62828	186.04219	ug/L	09/30/10	05:15	
61551-46	Na	227581.06250	227376.73437	227785.40625	0.12697	ug/L	09/30/10	05:15	
61551-46	Ni	1.01387	0.25751	1.77023	105.50209	ug/L	09/30/10	05:15	
61551-46	Pb	1.47121	1.50858	1.43384	3.59194	ug/L	09/30/10	05:15	
61551-46	Se	0.11834	-0.34683	0.58352	555.89025	ug/L	09/30/10	05:15	
61551-46	Sb	-2.07896	-1.88908	-2.26885	12.91702	ug/L	09/30/10	05:15	
61551-46	Sn	-4.63353	-6.58169	-2.68538	59.46016	ug/L	09/30/10	05:15	
61551-46	Sr	29.82839	29.78109	29.87570	0.22428	ug/L	09/30/10	05:15	
61551-46	Ti	0.08867	0.16390	0.01344	119.98138	ug/L	09/30/10	05:15	
61551-46	Tl	0.08497	1.87229	-1.70233	2974.52954	ug/L	09/30/10	05:15	
61551-46	V	1.06032	0.85516	1.26548	27.36323	ug/L	09/30/10	05:15	
61551-46	Zn	11.44075	11.53070	11.35081	1.11178	ug/L	09/30/10	05:15	
61551-46	2203/1	1.73964	4.85722	-1.37793	253.43766	ug/L	09/30/10	05:15	
61551-46	2203/2	1.33719	-0.16322	2.83762	158.68440	ug/L	09/30/10	05:15	
61551-46	1960/1	-0.30813	1.19778	-1.81404	691.15881	ug/L	09/30/10	05:15	
61551-46	1960/2	0.33126	-1.11798	1.78051	618.70751	ug/L	09/30/10	05:15	
61551-46	Y	1077.57763	1078.12316	1077.03198	0.07160		09/30/10	05:15	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-47	Ag	1.12195	1.39655	0.84736	34.61243	ug/L	09/30/10	05:20	
61551-47	Al	475.86367	476.36346	475.36389	0.14853	ug/L	09/30/10	05:20	
61551-47	2Al	0.47588	0.47638	0.47538	0.14852	mg/L	09/30/10	05:20	
61551-47	As	-2.61616	-1.99186	-3.24046	33.74769	ug/L	09/30/10	05:20	
61551-47	B	341.36981	342.23150	340.50811	0.35697	ug/L	09/30/10	05:20	
61551-47	Ba	7.60236	7.48516	7.71956	2.18016	ug/L	09/30/10	05:20	
61551-47	Be	0.03498	0.04374	0.02621	35.43747	ug/L	09/30/10	05:20	
61551-47	Ca	383.82702	383.69985	383.95419	0.04685	ug/L	09/30/10	05:20	
61551-47	Cd	0.09264	0.10632	0.07896	20.88347	ug/L	09/30/10	05:20	
61551-47	Co	-0.95178	-0.89934	-1.00421	7.79086	ug/L	09/30/10	05:20	
61551-47	Cr	0.52540	0.98865	0.06215	124.69053	ug/L	09/30/10	05:20	
61551-47	Cu	0.15991	0.57472	-0.25490	366.85278	ug/L	09/30/10	05:20	
61551-47	Fe	36.79790	32.19166	41.40415	17.70268	ug/L	09/30/10	05:20	
61551-47	2Fe	0.03679	0.03218	0.04139	17.70259	mg/L	09/30/10	05:20	
61551-47	K	1131.89562	1137.04443	1126.74682	0.64330	ug/L	09/30/10	05:20	
61551-47	Mg	107.01231	109.82424	104.20037	3.71609	ug/L	09/30/10	05:20	
61551-47	2Mg	0.10697	0.10978	0.10416	3.71740	mg/L	09/30/10	05:20	
61551-47	Mn	0.62818	0.67384	0.58252	10.28007	ug/L	09/30/10	05:20	
61551-47	Mo	0.33627	-1.25624	1.92879	669.74182	ug/L	09/30/10	05:20	
61551-47	Na	227882.37500	226817.03125	228947.73437	0.66114	ug/L	09/30/10	05:20	
61551-47	Ni	-0.25855	-0.77238	0.25527	281.05075	ug/L	09/30/10	05:20	
61551-47	Pb	1.05055	-0.00879	2.10990	142.60499	ug/L	09/30/10	05:20	
61551-47	Se	4.56662	4.92791	4.20534	11.18845	ug/L	09/30/10	05:20	
61551-47	Sb	1.41311	1.10556	1.72065	30.77820	ug/L	09/30/10	05:20	
61551-47	Sn	-1.06749	-0.37970	-1.75529	91.11872	ug/L	09/30/10	05:20	
61551-47	Sr	34.97254	34.99544	34.94963	0.09263	ug/L	09/30/10	05:20	
61551-47	Ti	0.78655	0.97886	0.59423	34.57816	ug/L	09/30/10	05:20	
61551-47	Tl	1.13538	0.52311	1.74765	76.26337	ug/L	09/30/10	05:20	
61551-47	V	1.34561	1.62735	1.06387	29.60993	ug/L	09/30/10	05:20	
61551-47	Zn	5.85560	6.03447	5.67674	4.31980	ug/L	09/30/10	05:20	
61551-47	2203/1	5.51317	3.95595	7.07038	39.94497	ug/L	09/30/10	05:20	
61551-47	2203/2	-1.17740	-1.98819	-0.36661	97.38656	ug/L	09/30/10	05:20	
61551-47	1960/1	-0.25437	-2.00375	1.49499	972.56146	ug/L	09/30/10	05:20	
61551-47	1960/2	6.97351	8.38855	5.55848	28.69659	ug/L	09/30/10	05:20	
61551-47	Y	1076.31921	1078.78320	1073.85522	0.32375		09/30/10	05:20	
61551-48	Ag	0.70998	0.75587	0.66410	9.13954	ug/L	09/30/10	05:26	
61551-48	Al	501.19580	503.11163	499.27996	0.54058	ug/L	09/30/10	05:26	
61551-48	2Al	0.50122	0.50313	0.49930	0.54058	mg/L	09/30/10	05:26	
61551-48	As	-3.12425	-2.59902	-3.64948	23.77497	ug/L	09/30/10	05:26	
61551-48	B	338.96185	337.32211	340.60156	0.68412	ug/L	09/30/10	05:26	
61551-48	Ba	7.37478	7.38178	7.36777	0.13435	ug/L	09/30/10	05:26	
61551-48	Be	-0.00311	-0.01338	0.00716	467.20495	ug/L	09/30/10	05:26	
61551-48	Ca	402.78701	403.01708	402.55694	0.08077	ug/L	09/30/10	05:26	
61551-48	Cd	-0.19508	-0.28284	-0.10733	63.61359	ug/L	09/30/10	05:26	
61551-48	Co	-0.22243	-0.23900	-0.20586	10.53730	ug/L	09/30/10	05:26	
61551-48	Cr	-0.08114	0.22132	-0.38362	527.13824	ug/L	09/30/10	05:26	
61551-48	Cu	0.88622	0.86129	0.91114	3.97736	ug/L	09/30/10	05:26	
61551-48	Fe	18.03674	18.57964	17.49383	4.25677	ug/L	09/30/10	05:26	
61551-48	2Fe	0.01803	0.01857	0.01749	4.25648	mg/L	09/30/10	05:26	
61551-48	K	1070.65649	1073.39147	1067.92163	0.36125	ug/L	09/30/10	05:26	
61551-48	Mg	108.32824	106.72037	109.93611	2.09905	ug/L	09/30/10	05:26	
61551-48	2Mg	0.10829	0.10668	0.10990	2.09921	mg/L	09/30/10	05:26	
61551-48	Mn	0.54958	0.59044	0.50871	10.51555	ug/L	09/30/10	05:26	
61551-48	Mo	0.00099	-1.10768	1.10966	158264.31250	ug/L	09/30/10	05:26	
61551-48	Na	225878.00000	225008.60937	226747.39062	0.54432	ug/L	09/30/10	05:26	
61551-48	Ni	-0.59860	-0.49506	-0.70215	24.46288	ug/L	09/30/10	05:26	
61551-48	Pb	2.56894	1.80135	3.33652	42.25603	ug/L	09/30/10	05:26	
61551-48	Se	0.82627	4.65896	-3.00642	655.98840	ug/L	09/30/10	05:26	
61551-48	Sb	-0.10156	1.01243	-1.21555	1551.20092	ug/L	09/30/10	05:26	
61551-48	Sn	-5.28453	-7.61809	-2.95097	62.44919	ug/L	09/30/10	05:26	
61551-48	Sr	34.94775	34.92105	34.97445	0.10805	ug/L	09/30/10	05:26	
61551-48	Ti	1.02204	1.10728	0.93679	11.79551	ug/L	09/30/10	05:26	
61551-48	Tl	-2.96277	-4.06038	-1.86516	52.39209	ug/L	09/30/10	05:26	
61551-48	V	-0.11467	-0.41957	0.19023	376.02966	ug/L	09/30/10	05:26	
61551-48	Zn	5.71537	5.77519	5.65556	1.48000	ug/L	09/30/10	05:26	
61551-48	2203/1	5.76606	6.41661	5.11552	15.95556	ug/L	09/30/10	05:26	
61551-48	2203/2	0.97277	-0.50281	2.44836	214.52090	ug/L	09/30/10	05:26	
61551-48	1960/1	3.04492	4.72426	1.36557	77.99707	ug/L	09/30/10	05:26	
61551-48	1960/2	-0.28139	4.62636	-5.18914	2466.54296	ug/L	09/30/10	05:26	
61551-48	Y	1078.47070	1079.29357	1077.64794	0.10789		09/30/10	05:26	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	508.19708	509.30218	507.09201	0.30752	ug/L	09/30/10	05:31	
CCV	Al	4996.61132	5011.45556	4981.76660	0.42015	ug/L	09/30/10	05:31	
CCV	2Al	4.99650	5.01165	4.98135	0.42890	mg/L	09/30/10	05:31	
CCV	As	511.31970	512.46264	510.17672	0.31612	ug/L	09/30/10	05:31	
CCV	B	5124.02050	5121.69921	5126.34228	0.06407	ug/L	09/30/10	05:31	
CCV	Ba	5084.29785	5094.68017	5073.91601	0.28878	ug/L	09/30/10	05:31	
CCV	Be	519.81542	520.50506	519.12573	0.18763	ug/L	09/30/10	05:31	
CCV	Ca	5142.52685	5150.40869	5134.64501	0.21675	ug/L	09/30/10	05:31	
CCV	Cd	522.14453	523.31463	520.97442	0.31691	ug/L	09/30/10	05:31	
CCV	Co	515.93444	516.73236	515.13647	0.21872	ug/L	09/30/10	05:31	
CCV	Cr	5177.77099	5184.04931	5171.49267	0.17148	ug/L	09/30/10	05:31	
CCV	Cu	5055.00195	5061.32275	5048.68066	0.17684	ug/L	09/30/10	05:31	
CCV	Fe	5077.53466	5073.84912	5081.22021	0.10265	ug/L	09/30/10	05:31	
CCV	2Fe	5.07753	5.07385	5.08122	0.10261	mg/L	09/30/10	05:31	
CCV	K	10243.01269	10271.23730	10214.78808	0.38968	ug/L	09/30/10	05:31	
CCV	Mg	5135.06884	5144.97167	5125.16601	0.27272	ug/L	09/30/10	05:31	
CCV	2Mg	5.13509	5.14499	5.12518	0.27276	mg/L	09/30/10	05:31	
CCV	Mn	5166.83496	5173.81640	5159.85351	0.19108	ug/L	09/30/10	05:31	
CCV	Mo	517.88342	517.34326	518.42364	0.14751	ug/L	09/30/10	05:31	
CCV	Na	8022.23242	7928.10888	8116.35595	1.65927	ug/L	09/30/10	05:31	
CCV	Ni	2572.83276	2574.41210	2571.25341	0.08681	ug/L	09/30/10	05:31	
CCV	Pb	516.71356	516.80200	516.62512	0.02420	ug/L	09/30/10	05:31	
CCV	Se	5135.75976	5123.97558	5147.54443	0.32450	ug/L	09/30/10	05:31	
CCV	Sb	498.16784	496.58816	499.74749	0.44844	ug/L	09/30/10	05:31	
CCV	Sn	5171.11230	5170.77539	5171.44921	0.00921	ug/L	09/30/10	05:31	
CCV	Sr	2615.52905	2621.28002	2609.77807	0.31095	ug/L	09/30/10	05:31	
CCV	Ti	506.53170	506.87969	506.18371	0.09715	ug/L	09/30/10	05:31	
CCV	Tl	5211.84228	5213.65283	5210.03173	0.04912	ug/L	09/30/10	05:31	
CCV	V	5082.57617	5090.67041	5074.48144	0.22522	ug/L	09/30/10	05:31	
CCV	Zn	2600.30444	2602.60302	2598.00585	0.12501	ug/L	09/30/10	05:31	
CCV	2203/1	518.99114	519.37670	518.60559	0.10506	ug/L	09/30/10	05:31	
CCV	2203/2	515.57238	515.51251	515.63220	0.01641	ug/L	09/30/10	05:31	
CCV	1960/1	5098.67236	5086.32910	5111.01562	0.34236	ug/L	09/30/10	05:31	
CCV	1960/2	5154.27636	5142.77099	5165.78125	0.31567	ug/L	09/30/10	05:31	
CCV	Y	1065.96606	1064.22802	1067.70397	0.23057		09/30/10	05:31	
CCB	Ag	0.91668	0.75576	1.07760	24.82535	ug/L	09/30/10	05:36	
CCB	Al	7.37532	7.05055	7.70009	6.22748	ug/L	09/30/10	05:36	
CCB	2Al	0.00737	0.00705	0.00770	6.22726	mg/L	09/30/10	05:36	
CCB	As	-0.13349	1.26671	-1.53369	1483.37011	ug/L	09/30/10	05:36	
CCB	B	8.49129	9.09547	7.88710	10.06263	ug/L	09/30/10	05:36	
CCB	Ba	1.75276	0.25009	3.25543	121.24224	ug/L	09/30/10	05:36	
CCB	Be	0.18255	0.05058	0.31452	102.23281	ug/L	09/30/10	05:36	
CCB	Ca	-0.73927	-2.31188	0.83334	300.83779	ug/L	09/30/10	05:36	
CCB	Cd	-0.13350	-0.23334	-0.03365	105.76886	ug/L	09/30/10	05:36	
CCB	Co	0.25290	-0.28848	0.79430	302.73794	ug/L	09/30/10	05:36	
CCB	Cr	1.78611	0.54528	3.02694	98.24684	ug/L	09/30/10	05:36	
CCB	Cu	0.01483	-1.62699	1.65666	15649.07910	ug/L	09/30/10	05:36	
CCB	Fe	0.01410	3.98161	-3.95340	39778.31250	ug/L	09/30/10	05:36	
CCB	2Fe	0.00001	0.00398	-0.00395	38906.22656	mg/L	09/30/10	05:36	
CCB	K	17.12734	20.04721	14.20748	24.10946	ug/L	09/30/10	05:36	
CCB	Mg	3.07346	3.05436	3.09256	0.87872	ug/L	09/30/10	05:36	
CCB	2Mg	0.00307	0.00305	0.00309	0.94249	mg/L	09/30/10	05:36	
CCB	Mn	1.67892	0.16585	3.19199	127.45060	ug/L	09/30/10	05:36	
CCB	Mo	1.03869	0.44375	1.63364	81.00361	ug/L	09/30/10	05:36	
CCB	Na	72.10762	251.49113	-107.27590	351.81665	ug/L	09/30/10	05:36	
CCB	Ni	0.60313	-1.34618	2.55246	457.06921	ug/L	09/30/10	05:36	
CCB	Pb	1.11478	1.49005	0.73951	47.60694	ug/L	09/30/10	05:36	
CCB	Se	2.95678	2.86908	3.04448	4.19459	ug/L	09/30/10	05:36	
CCB	Sb	0.07885	0.17713	-0.01943	176.28053	ug/L	09/30/10	05:36	
CCB	Sn	2.65080	1.44397	3.85762	64.38442	ug/L	09/30/10	05:36	
CCB	Sr	0.85688	0.09004	1.62371	126.55982	ug/L	09/30/10	05:36	
CCB	Ti	0.20371	0.16097	0.24646	29.67255	ug/L	09/30/10	05:36	
CCB	Tl	7.05386	9.97142	4.13630	58.49351	ug/L	09/30/10	05:36	
CCB	V	2.41816	1.20414	3.63219	70.99964	ug/L	09/30/10	05:36	
CCB	Zn	1.09397	0.35207	1.83588	95.90834	ug/L	09/30/10	05:36	
CCB	2203/1	5.61870	6.46095	4.77644	21.19936	ug/L	09/30/10	05:36	
CCB	2203/2	-1.13380	-0.99167	-1.27593	17.72805	ug/L	09/30/10	05:36	
CCB	1960/1	6.94179	9.22602	4.65756	46.53539	ug/L	09/30/10	05:36	
CCB	1960/2	0.96726	-0.30462	2.23915	185.95907	ug/L	09/30/10	05:36	
CCB	Y	1075.11804	1078.06164	1072.17443	0.38720		09/30/10	05:36	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-49	Ag	0.89344	0.98573	0.80116	14.60743	ug/L	09/30/10	05:41	
61551-49	Al	159.05978	157.86897	160.25057	1.05875	ug/L	09/30/10	05:41	
61551-49	2Al	0.15906	0.15787	0.16025	1.05874	mg/L	09/30/10	05:41	
61551-49	As	-2.68559	-1.96800	-3.40318	37.78769	ug/L	09/30/10	05:41	
61551-49	B	348.77697	348.55499	348.99896	0.09000	ug/L	09/30/10	05:41	
61551-49	Ba	7.80661	7.79418	7.81903	0.22506	ug/L	09/30/10	05:41	
61551-49	Be	0.04126	0.02369	0.05884	60.21310	ug/L	09/30/10	05:41	
61551-49	Ca	398.44073	397.50122	399.38021	0.33346	ug/L	09/30/10	05:41	
61551-49	Cd	-0.02971	-0.16139	0.10196	626.75280	ug/L	09/30/10	05:41	
61551-49	Co	-0.41379	-0.40073	-0.42686	4.46578	ug/L	09/30/10	05:41	
61551-49	Cr	0.18595	0.02260	0.34931	124.23396	ug/L	09/30/10	05:41	
61551-49	Cu	-0.57281	-0.58080	-0.56481	1.97408	ug/L	09/30/10	05:41	
61551-49	Fe	22.24810	1.75996	42.73625	130.23405	ug/L	09/30/10	05:41	
61551-49	2Fe	0.02224	0.00175	0.04273	130.23439	mg/L	09/30/10	05:41	
61551-49	K	1167.28149	1141.50646	1193.05639	3.12275	ug/L	09/30/10	05:41	
61551-49	Mg	101.53889	101.45392	101.62387	0.11834	ug/L	09/30/10	05:41	
61551-49	2Mg	0.10150	0.10142	0.10158	0.11332	mg/L	09/30/10	05:41	
61551-49	Mn	0.54974	0.56102	0.53846	2.90064	ug/L	09/30/10	05:41	
61551-49	Mo	-0.00325	-0.37564	0.36914	16185.82128	ug/L	09/30/10	05:41	
61551-49	Na	231436.62500	230744.26562	232129.00000	0.42307	ug/L	09/30/10	05:41	
61551-49	Ni	0.87379	1.21702	0.53056	55.55099	ug/L	09/30/10	05:41	
61551-49	Pb	-0.95789	-1.52285	-0.39292	83.41069	ug/L	09/30/10	05:41	
61551-49	Se	2.30895	3.38683	1.23107	66.01892	ug/L	09/30/10	05:41	
61551-49	Sb	2.26418	0.33087	4.19750	120.75505	ug/L	09/30/10	05:41	
61551-49	Sn	-0.79236	-0.14859	-1.43612	114.90013	ug/L	09/30/10	05:41	
61551-49	Sr	32.13360	32.28933	31.97788	0.68534	ug/L	09/30/10	05:41	
61551-49	Ti	0.30355	0.29274	0.31436	5.03671	ug/L	09/30/10	05:41	
61551-49	Tl	0.61379	2.29775	-1.07016	387.99145	ug/L	09/30/10	05:41	
61551-49	V	1.58165	0.75543	2.40787	73.87532	ug/L	09/30/10	05:41	
61551-49	Zn	14.29700	14.38176	14.21224	0.83843	ug/L	09/30/10	05:41	
61551-49	2203/1	5.28237	5.27526	5.28948	0.19039	ug/L	09/30/10	05:41	
61551-49	2203/2	-4.07334	-4.91682	-3.22987	29.28440	ug/L	09/30/10	05:41	
61551-49	1960/1	3.62739	7.22303	0.03176	140.18304	ug/L	09/30/10	05:41	
61551-49	1960/2	1.65072	1.47160	1.82983	15.34516	ug/L	09/30/10	05:41	
61551-49	Y	1069.55639	1070.41442	1068.69836	0.11345		09/30/10	05:41	
61551-50	Ag	1.28404	1.81252	0.75556	58.20510	ug/L	09/30/10	05:46	
61551-50	Al	436.63208	440.02154	433.24258	1.09782	ug/L	09/30/10	05:46	
61551-50	2Al	0.43665	0.44004	0.43326	1.09782	mg/L	09/30/10	05:46	
61551-50	As	-0.83663	-0.84775	-0.82551	1.87930	ug/L	09/30/10	05:46	
61551-50	B	343.22714	344.70806	341.74621	0.61019	ug/L	09/30/10	05:46	
61551-50	Ba	7.34812	7.40324	7.29299	1.06089	ug/L	09/30/10	05:46	
61551-50	Be	0.03413	0.04079	0.02746	27.59862	ug/L	09/30/10	05:46	
61551-50	Ca	396.18847	397.07308	395.30389	0.31576	ug/L	09/30/10	05:46	
61551-50	Cd	0.06791	0.08005	0.05577	25.27923	ug/L	09/30/10	05:46	
61551-50	Co	-0.13705	-0.23551	-0.03859	101.59291	ug/L	09/30/10	05:46	
61551-50	Cr	0.36538	0.42664	0.30411	23.71188	ug/L	09/30/10	05:46	
61551-50	Cu	1.95039	2.44794	1.45284	36.07664	ug/L	09/30/10	05:46	
61551-50	Fe	21.50236	25.48815	17.51658	26.21454	ug/L	09/30/10	05:46	
61551-50	2Fe	0.02149	0.02548	0.01751	26.21452	mg/L	09/30/10	05:46	
61551-50	K	1118.95996	1140.82055	1097.09936	2.76288	ug/L	09/30/10	05:46	
61551-50	Mg	107.15411	113.35115	100.95706	8.17881	ug/L	09/30/10	05:46	
61551-50	2Mg	0.10712	0.11331	0.10092	8.17814	mg/L	09/30/10	05:46	
61551-50	Mn	0.53415	0.51087	0.55742	6.16344	ug/L	09/30/10	05:46	
61551-50	Mo	0.66576	-0.07583	1.40736	157.53024	ug/L	09/30/10	05:46	
61551-50	Na	229361.29687	229031.81250	229690.78125	0.20315	ug/L	09/30/10	05:46	
61551-50	Ni	-1.32712	-0.39264	-2.26161	99.58071	ug/L	09/30/10	05:46	
61551-50	Pb	1.77738	1.70803	1.84674	5.51839	ug/L	09/30/10	05:46	
61551-50	Se	3.26875	4.01619	2.52131	32.33754	ug/L	09/30/10	05:46	
61551-50	Sb	-2.56133	1.08464	-6.20731	201.30889	ug/L	09/30/10	05:46	
61551-50	Sn	-3.50969	-2.90761	-4.11177	24.26051	ug/L	09/30/10	05:46	
61551-50	Sr	35.15211	35.20872	35.09550	0.22774	ug/L	09/30/10	05:46	
61551-50	Ti	0.75552	0.91720	0.59384	30.26371	ug/L	09/30/10	05:46	
61551-50	Tl	-1.39931	2.03308	-4.83171	346.89382	ug/L	09/30/10	05:46	
61551-50	V	0.42456	0.70724	0.14188	94.15953	ug/L	09/30/10	05:46	
61551-50	Zn	9.93198	10.16329	9.70066	3.29368	ug/L	09/30/10	05:46	
61551-50	2203/1	9.31337	9.83974	8.78699	7.99285	ug/L	09/30/10	05:46	
61551-50	2203/2	-1.98495	-2.35172	-1.61818	26.13134	ug/L	09/30/10	05:46	
61551-50	1960/1	12.02022	11.56179	12.47865	5.39355	ug/L	09/30/10	05:46	
61551-50	1960/2	-1.10041	0.24904	-2.44988	173.42822	ug/L	09/30/10	05:46	
61551-50	Y	1074.96850	1074.22485	1075.71203	0.09782		09/30/10	05:46	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61551-51	Ag	1.33226	1.67908	0.98545	36.81466	ug/L	09/30/10	05:52	
61551-51	Al	138.26075	137.36842	139.15309	0.91273	ug/L	09/30/10	05:52	
61551-51	2Al	0.13826	0.13737	0.13915	0.91274	mg/L	09/30/10	05:52	
61551-51	As	-2.30531	-3.90952	-0.70110	98.41180	ug/L	09/30/10	05:52	
61551-51	B	345.79455	345.78448	345.80465	0.00412	ug/L	09/30/10	05:52	
61551-51	Ba	7.56671	7.63124	7.50219	1.20597	ug/L	09/30/10	05:52	
61551-51	Be	0.04181	0.02948	0.05413	41.68572	ug/L	09/30/10	05:52	
61551-51	Ca	340.71777	341.46365	339.97189	0.30959	ug/L	09/30/10	05:52	
61551-51	Cd	0.11049	0.14195	0.07902	40.27329	ug/L	09/30/10	05:52	
61551-51	Co	-0.36229	-0.85007	0.12548	190.40492	ug/L	09/30/10	05:52	
61551-51	Cr	0.83596	0.96002	0.71190	20.98760	ug/L	09/30/10	05:52	
61551-51	Cu	-0.61425	-0.36585	-0.86264	57.18821	ug/L	09/30/10	05:52	
61551-51	Fe	18.20367	13.16232	23.24502	39.16541	ug/L	09/30/10	05:52	
61551-51	2Fe	0.01820	0.01316	0.02324	39.16713	mg/L	09/30/10	05:52	
61551-51	K	1155.46777	1170.53955	1140.39587	1.84469	ug/L	09/30/10	05:52	
61551-51	Mg	99.90368	98.55708	101.25029	1.90622	ug/L	09/30/10	05:52	
61551-51	2Mg	0.09987	0.09852	0.10121	1.90503	mg/L	09/30/10	05:52	
61551-51	Mn	0.41184	0.39499	0.42868	5.78473	ug/L	09/30/10	05:52	
61551-51	Mo	-1.53223	-2.69048	-0.37398	106.90378	ug/L	09/30/10	05:52	
61551-51	Na	230766.18750	231420.10937	230112.25000	0.40075	ug/L	09/30/10	05:52	
61551-51	Ni	0.11389	0.86353	-0.63575	930.84429	ug/L	09/30/10	05:52	
61551-51	Pb	1.35826	1.83380	0.88273	49.51239	ug/L	09/30/10	05:52	
61551-51	Se	3.46476	2.25910	4.67043	49.21154	ug/L	09/30/10	05:52	
61551-51	Sb	1.49945	0.95613	2.04276	51.24290	ug/L	09/30/10	05:52	
61551-51	Sn	-3.93509	-4.12545	-3.74473	6.84119	ug/L	09/30/10	05:52	
61551-51	Sr	31.10656	31.19215	31.02097	0.38911	ug/L	09/30/10	05:52	
61551-51	Ti	0.09789	0.11908	0.07669	30.62210	ug/L	09/30/10	05:52	
61551-51	Tl	2.38757	3.60339	1.17174	72.01629	ug/L	09/30/10	05:52	
61551-51	V	0.60517	0.14254	1.06780	108.11143	ug/L	09/30/10	05:52	
61551-51	Zn	11.13181	10.92844	11.33518	2.58366	ug/L	09/30/10	05:52	
61551-51	2203/1	8.59866	7.81088	9.38644	12.95653	ug/L	09/30/10	05:52	
61551-51	2203/2	-2.25649	-1.15024	-3.36274	69.33187	ug/L	09/30/10	05:52	
61551-51	1960/1	8.95633	11.54714	6.36553	40.90906	ug/L	09/30/10	05:52	
61551-51	1960/2	0.72309	-2.37795	3.82415	606.49328	ug/L	09/30/10	05:52	
61551-51	Y	1070.54638	1068.49597	1072.59680	0.27086		09/30/10	05:52	
61551-52	Ag	0.57145	0.52487	0.61802	11.52640	ug/L	09/30/10	05:57	
61551-52	Al	127.89118	127.77997	128.00241	0.12298	ug/L	09/30/10	05:57	
61551-52	2Al	0.12789	0.12778	0.12800	0.12298	mg/L	09/30/10	05:57	
61551-52	As	-1.98906	-0.97591	-3.00220	72.03416	ug/L	09/30/10	05:57	
61551-52	B	325.03869	325.22973	324.84765	0.08311	ug/L	09/30/10	05:57	
61551-52	Ba	7.37332	7.49586	7.25077	2.35049	ug/L	09/30/10	05:57	
61551-52	Be	0.03359	0.03197	0.03520	6.80420	ug/L	09/30/10	05:57	
61551-52	Ca	331.36993	332.20861	330.53128	0.35792	ug/L	09/30/10	05:57	
61551-52	Cd	0.00381	0.05282	-0.04519	1815.73071	ug/L	09/30/10	05:57	
61551-52	Co	-0.62962	-0.61691	-0.64234	2.85496	ug/L	09/30/10	05:57	
61551-52	Cr	0.16314	0.10341	0.22286	51.77307	ug/L	09/30/10	05:57	
61551-52	Cu	0.65585	0.45249	0.85921	43.85063	ug/L	09/30/10	05:57	
61551-52	Fe	21.01309	31.25137	10.77481	68.90518	ug/L	09/30/10	05:57	
61551-52	2Fe	0.02101	0.03124	0.01077	68.90585	mg/L	09/30/10	05:57	
61551-52	K	1047.78161	1063.38208	1032.18115	2.10562	ug/L	09/30/10	05:57	
61551-52	Mg	98.05615	101.33806	94.77424	4.73333	ug/L	09/30/10	05:57	
61551-52	2Mg	0.09802	0.10130	0.09474	4.73091	mg/L	09/30/10	05:57	
61551-52	Mn	0.39224	0.41722	0.36727	9.00477	ug/L	09/30/10	05:57	
61551-52	Mo	2.07684	2.00620	2.14748	4.81013	ug/L	09/30/10	05:57	
61551-52	Na	214815.37500	215622.20312	214008.53125	0.53117	ug/L	09/30/10	05:57	
61551-52	Ni	-0.87581	-1.19550	-0.55612	51.62090	ug/L	09/30/10	05:57	
61551-52	Pb	1.98377	3.13975	0.82780	82.40827	ug/L	09/30/10	05:57	
61551-52	Se	-0.70834	0.33747	-1.75417	208.79830	ug/L	09/30/10	05:57	
61551-52	Sb	-0.24766	-0.29713	-0.19819	28.24740	ug/L	09/30/10	05:57	
61551-52	Sn	-2.01687	-1.07447	-2.95926	66.08013	ug/L	09/30/10	05:57	
61551-52	Sr	30.62091	30.74985	30.49197	0.59549	ug/L	09/30/10	05:57	
61551-52	Ti	0.07742	0.29224	-0.13740	392.41275	ug/L	09/30/10	05:57	
61551-52	Tl	-3.17186	-1.85405	-4.48967	58.75601	ug/L	09/30/10	05:57	
61551-52	V	0.42357	0.60294	0.24419	59.88883	ug/L	09/30/10	05:57	
61551-52	Zn	8.04922	8.38785	7.71058	5.94964	ug/L	09/30/10	05:57	
61551-52	2203/1	6.83059	8.75504	4.90613	39.84412	ug/L	09/30/10	05:57	
61551-52	2203/2	-0.43599	0.33631	-1.20830	250.51148	ug/L	09/30/10	05:57	
61551-52	1960/1	1.71649	2.77843	0.65454	87.49332	ug/L	09/30/10	05:57	
61551-52	1960/2	-1.91895	-0.88117	-2.95672	76.48133	ug/L	09/30/10	05:57	
61551-52	Y	1074.04882	1071.68164	1076.41601	0.31169		09/30/10	05:57	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61442-1	Ag	0.82390	0.84736	0.80044	4.02637	ug/L	09/30/10	06:02	
61442-1	Al	541.03356	540.88177	541.18542	0.03968	ug/L	09/30/10	06:02	
61442-1	2Al	0.54106	0.54090	0.54121	0.03968	mg/L	09/30/10	06:02	
61442-1	As	1.55658	3.01641	0.09676	132.63032	ug/L	09/30/10	06:02	
61442-1	B	82.68199	83.82575	81.53821	1.95633	ug/L	09/30/10	06:02	
61442-1	Ba	22.47117	22.47881	22.46353	0.04809	ug/L	09/30/10	06:02	
61442-1	Be	0.04866	0.05881	0.03852	29.47214	ug/L	09/30/10	06:02	
61442-1	Ca	63997.78125	64021.64062	63973.92187	0.05272	ug/L	09/30/10	06:02	
61442-1	Cd	-0.00677	0.23120	-0.24476	4964.65087	ug/L	09/30/10	06:02	
61442-1	Co	-0.16362	-0.13767	-0.18957	22.42954	ug/L	09/30/10	06:02	
61442-1	Cr	3.15552	3.30456	3.00648	6.67970	ug/L	09/30/10	06:02	
61442-1	Cu	14.53825	14.73529	14.34121	1.91670	ug/L	09/30/10	06:02	
61442-1	Fe	2313.60473	2326.21728	2300.99218	0.77095	ug/L	09/30/10	06:02	
61442-1	2Fe	2.31331	2.32592	2.30070	0.77094	mg/L	09/30/10	06:02	
61442-1	K	2963.12036	2981.12304	2945.11767	0.85921	ug/L	09/30/10	06:02	
61442-1	Mg	30393.62500	30392.69921	30394.55078	0.00430	ug/L	09/30/10	06:02	
61442-1	2Mg	30.38466	30.38373	30.38559	0.00431	mg/L	09/30/10	06:02	
61442-1	Mn	59.97361	59.96736	59.97986	0.01473	ug/L	09/30/10	06:02	
61442-1	Mo	79.18423	78.14128	80.22719	1.86269	ug/L	09/30/10	06:02	
61442-1	Na	19759.22070	19940.81445	19577.62695	1.29970	ug/L	09/30/10	06:02	
61442-1	Ni	28.47780	28.34130	28.61431	0.67787	ug/L	09/30/10	06:02	
61442-1	Pb	1.07777	1.70836	0.44719	82.74275	ug/L	09/30/10	06:02	
61442-1	Se	4.28637	6.54774	2.02499	74.61016	ug/L	09/30/10	06:02	
61442-1	Sb	2.29891	4.11810	0.47973	111.90998	ug/L	09/30/10	06:02	
61442-1	Sn	-3.02950	-2.55830	-3.50071	21.99650	ug/L	09/30/10	06:02	
61442-1	Sr	76.65133	76.61185	76.69081	0.07283	ug/L	09/30/10	06:02	
61442-1	Ti	-0.10102	-0.10194	-0.10009	1.29255	ug/L	09/30/10	06:02	
61442-1	Tl	0.69588	1.21289	0.17886	105.07077	ug/L	09/30/10	06:02	
61442-1	V	1.53801	1.22056	1.85547	29.19012	ug/L	09/30/10	06:02	
61442-1	Zn	7.38016	7.45499	7.30534	1.43378	ug/L	09/30/10	06:02	
61442-1	2203/1	6.73152	6.46906	6.99397	5.51382	ug/L	09/30/10	06:02	
61442-1	2203/2	-1.74485	-0.66842	-2.82129	87.24559	ug/L	09/30/10	06:02	
61442-1	1960/1	9.37381	10.99355	7.75407	24.43677	ug/L	09/30/10	06:02	
61442-1	1960/2	1.74646	4.32817	-0.83524	209.05624	ug/L	09/30/10	06:02	
61442-1	Y	1051.10717	1049.83996	1052.37438	0.17049		09/30/10	06:02	
61428-1	Ag	0.66341	0.24921	1.07761	88.29580	ug/L	09/30/10	06:07	
61428-1	Al	3001.21191	3000.17626	3002.24780	0.04880	ug/L	09/30/10	06:07	
61428-1	2Al	3.00105	2.99991	3.00219	0.05362	mg/L	09/30/10	06:07	
61428-1	As	0.89083	1.88758	-0.10590	158.23416	ug/L	09/30/10	06:07	
61428-1	B	9.49746	10.00262	8.99230	7.52205	ug/L	09/30/10	06:07	
61428-1	Ba	28.40945	28.37879	28.44012	0.15266	ug/L	09/30/10	06:07	
61428-1	Be	0.38336	0.37266	0.39407	3.94965	ug/L	09/30/10	06:07	
61428-1	Ca	118402.50000	118364.49218	118440.50781	0.04539	ug/L	09/30/10	06:07	
61428-1	Cd	0.15754	0.29088	0.02419	119.70370	ug/L	09/30/10	06:07	
61428-1	Co	57.11144	56.50600	57.71687	1.49919	ug/L	09/30/10	06:07	
61428-1	Cr	1.50311	1.27921	1.72701	21.06552	ug/L	09/30/10	06:07	
61428-1	Cu	28.88283	28.67044	29.09522	1.03994	ug/L	09/30/10	06:07	
61428-1	Fe	366.94818	363.44201	370.45434	1.35127	ug/L	09/30/10	06:07	
61428-1	2Fe	0.36691	0.36341	0.37042	1.35126	mg/L	09/30/10	06:07	
61428-1	K	2665.64648	2668.12768	2663.16503	0.13164	ug/L	09/30/10	06:07	
61428-1	Mg	7723.15039	7718.40429	7727.89697	0.08691	ug/L	09/30/10	06:07	
61428-1	2Mg	7.72272	7.71798	7.72747	0.08686	mg/L	09/30/10	06:07	
61428-1	Mn	3980.01000	3980.98681	3979.03320	0.03470	ug/L	09/30/10	06:07	
61428-1	Mo	1.52173	1.40977	1.63369	10.40508	ug/L	09/30/10	06:07	
61428-1	Na	3417.62500	3522.30151	3312.94873	4.33151	ug/L	09/30/10	06:07	
61428-1	Ni	85.88308	85.41210	86.35406	0.77554	ug/L	09/30/10	06:07	
61428-1	Pb	0.71498	0.55996	0.87000	30.66242	ug/L	09/30/10	06:07	
61428-1	Se	3.18388	2.63119	3.73657	24.54929	ug/L	09/30/10	06:07	
61428-1	Sb	0.16453	0.34104	-0.01198	151.72070	ug/L	09/30/10	06:07	
61428-1	Sn	-3.52385	-3.73016	-3.31754	8.27971	ug/L	09/30/10	06:07	
61428-1	Sr	127.72195	127.85275	127.59115	0.14482	ug/L	09/30/10	06:07	
61428-1	Ti	-0.08933	-0.09985	-0.07880	16.65760	ug/L	09/30/10	06:07	
61428-1	Tl	-1.31745	-1.96854	-0.66636	69.89056	ug/L	09/30/10	06:07	
61428-1	V	-0.17765	0.12358	-0.47889	239.79582	ug/L	09/30/10	06:07	
61428-1	Zn	101.81320	101.12808	102.49832	0.95164	ug/L	09/30/10	06:07	
61428-1	2203/1	5.39324	4.14222	6.64426	32.80414	ug/L	09/30/10	06:07	
61428-1	2203/2	-1.62064	-1.22848	-2.01279	34.22074	ug/L	09/30/10	06:07	
61428-1	1960/1	0.25636	-3.14133	3.65406	1874.29870	ug/L	09/30/10	06:07	
61428-1	1960/2	4.64544	5.51313	3.77776	26.41492	ug/L	09/30/10	06:07	
61428-1	Y	1072.57910	1073.02795	1072.13037	0.05917		09/30/10	06:07	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61497-1	Ag	1.75504	2.29071	1.21936	43.16458	ug/L	09/30/10	06:12	
61497-1	Al	12.01758	12.25616	11.77899	2.80766	ug/L	09/30/10	06:12	
61497-1	2Al	0.01201	0.01225	0.01177	2.80774	mg/L	09/30/10	06:12	
61497-1	As	-2.37420	-4.72216	-0.02623	139.85853	ug/L	09/30/10	06:12	
61497-1	B	14.15855	14,08452	14.23258	0.73944	ug/L	09/30/10	06:12	
61497-1	Ba	60.20407	60.20405	60.20410	0.00006	ug/L	09/30/10	06:12	
61497-1	Be	0.06114	0.07534	0.04693	32.86753	ug/L	09/30/10	06:12	
61497-1	Ca	105543.25000	105658.71093	105427.78906	0.15471	ug/L	09/30/10	06:12	
61497-1	Cd	0.15802	0.33156	-0.01551	155.30773	ug/L	09/30/10	06:12	
61497-1	Co	0.91701	1.03043	0.80358	17.49273	ug/L	09/30/10	06:12	
61497-1	Cr	0.86666	0.92888	0.80443	10.15335	ug/L	09/30/10	06:12	
61497-1	Cu	0.72780	0.90007	0.55554	33.47349	ug/L	09/30/10	06:12	
61497-1	Fe	222.76362	210.29365	235.23359	7.91655	ug/L	09/30/10	06:12	
61497-1	2Fe	0.22273	0.21026	0.23520	7.91653	mg/L	09/30/10	06:12	
61497-1	K	15053.93359	15067.65527	15040.21289	0.12890	ug/L	09/30/10	06:12	
61497-1	Mg	2661.31054	2661.44677	2661.17431	0.00723	ug/L	09/30/10	06:12	
61497-1	2Mg	2.66063	2.66077	2.66049	0.00734	mg/L	09/30/10	06:12	
61497-1	Mn	251.16036	251.39196	250.92875	0.13041	ug/L	09/30/10	06:12	
61497-1	Mo	0.85727	1.19570	0.51885	55.82861	ug/L	09/30/10	06:12	
61497-1	Na	10197.75195	10261.76269	10133.74023	0.88770	ug/L	09/30/10	06:12	
61497-1	Ni	1.47970	1.40382	1.55559	7.25291	ug/L	09/30/10	06:12	
61497-1	Pb	0.60153	1.56912	-0.36606	227.48384	ug/L	09/30/10	06:12	
61497-1	Se	3.36934	4.13738	2.60129	32.23727	ug/L	09/30/10	06:12	
61497-1	Sb	2.90741	1.17634	4.63847	84.20178	ug/L	09/30/10	06:12	
61497-1	Sn	-1.69727	-1.21073	-2.18381	40.53971	ug/L	09/30/10	06:12	
61497-1	Sr	656.20288	656.55389	655.85192	0.07564	ug/L	09/30/10	06:12	
61497-1	Ti	0.22913	0.26217	0.19610	20.38717	ug/L	09/30/10	06:12	
61497-1	Tl	4.46802	6.01884	2.91720	49.08641	ug/L	09/30/10	06:12	
61497-1	V	1.58466	1.32586	1.84346	23.09605	ug/L	09/30/10	06:12	
61497-1	Zn	6.85188	7.11606	6.58771	5.45254	ug/L	09/30/10	06:12	
61497-1	2203/1	6.02462	5.93013	6.11910	2.21803	ug/L	09/30/10	06:12	
61497-1	2203/2	-2.10594	-0.60810	-3.60378	100.58492	ug/L	09/30/10	06:12	
61497-1	1960/1	6.60456	8.18687	5.02226	33.88140	ug/L	09/30/10	06:12	
61497-1	1960/2	1.75415	2.11568	1.39262	29.14673	ug/L	09/30/10	06:12	
61497-1	Y	1061.06445	1060.39123	1061.73754	0.08972		09/30/10	06:12	
61497-1S	Ag	53.94796	55.29227	52.60365	3.52403	ug/L	09/30/10	06:18	
61497-1S	Al	2056.63330	2090.98803	2022.27880	2.36234	ug/L	09/30/10	06:18	
61497-1S	2Al	2.05673	2.09108	2.02237	2.36234	mg/L	09/30/10	06:18	
61497-1S	As	2036.01489	2064.80639	2007.22351	1.99985	ug/L	09/30/10	06:18	
61497-1S	B	1065.35278	1077.45849	1053.24694	1.60699	ug/L	09/30/10	06:18	
61497-1S	Ba	2188.28735	2215.27685	2161.29785	1.74423	ug/L	09/30/10	06:18	
61497-1S	Be	52.75869	53.51687	52.00052	2.03230	ug/L	09/30/10	06:18	
61497-1S	Ca	112100.07812	113573.26562	110626.89062	1.85851	ug/L	09/30/10	06:18	
61497-1S	Cd	51.96972	52.57701	51.36243	1.65257	ug/L	09/30/10	06:18	
61497-1S	Co	522.29254	528.34436	516.24072	1.63865	ug/L	09/30/10	06:18	
61497-1S	Cr	211.92413	215.26776	208.58049	2.23127	ug/L	09/30/10	06:18	
61497-1S	Cu	263.51840	266.84262	260.19418	1.78399	ug/L	09/30/10	06:18	
61497-1S	Fe	1242.86340	1265.98144	1219.74536	2.63052	ug/L	09/30/10	06:18	
61497-1S	2Fe	1.24292	1.26604	1.21980	2.63035	mg/L	09/30/10	06:18	
61497-1S	K	21091.13281	21318.60156	20863.66406	1.52523	ug/L	09/30/10	06:18	
61497-1S	Mg	7846.14843	7950.23925	7742.05810	1.87616	ug/L	09/30/10	06:18	
61497-1S	2Mg	7.84407	7.94813	7.74001	1.87614	mg/L	09/30/10	06:18	
61497-1S	Mn	780.38269	790.53253	770.23291	1.83935	ug/L	09/30/10	06:18	
61497-1S	Mo	525.96398	531.79461	520.13330	1.56774	ug/L	09/30/10	06:18	
61497-1S	Na	15535.57421	15716.15332	15354.99511	1.64382	ug/L	09/30/10	06:18	
61497-1S	Ni	514.74877	520.18322	509.31433	1.49305	ug/L	09/30/10	06:18	
61497-1S	Pb	514.48010	519.87841	509.08184	1.48389	ug/L	09/30/10	06:18	
61497-1S	Se	2083.60742	2114.90576	2052.30908	2.12432	ug/L	09/30/10	06:18	
61497-1S	Sb	510.73361	515.35589	506.11132	1.27990	ug/L	09/30/10	06:18	
61497-1S	Sn	1047.17578	1060.57336	1033.77819	1.80934	ug/L	09/30/10	06:18	
61497-1S	Sr	1216.36523	1230.34924	1202.38110	1.62586	ug/L	09/30/10	06:18	
61497-1S	Ti	725.70733	734.80126	716.61340	1.77216	ug/L	09/30/10	06:18	
61497-1S	Tl	2155.85253	2195.48901	2116.21630	2.60009	ug/L	09/30/10	06:18	
61497-1S	V	516.84228	522.72058	510.96395	1.60845	ug/L	09/30/10	06:18	
61497-1S	Zn	528.73107	534.73254	522.72961	1.60523	ug/L	09/30/10	06:18	
61497-1S	2203/1	516.22900	523.64398	508.81402	2.03133	ug/L	09/30/10	06:18	
61497-1S	2203/2	513.60699	517.99847	509.21554	1.20918	ug/L	09/30/10	06:18	
61497-1S	1960/1	2075.55224	2103.60571	2047.49853	1.91148	ug/L	09/30/10	06:18	
61497-1S	1960/2	2087.62841	2120.54663	2054.71020	2.22996	ug/L	09/30/10	06:18	
61497-1S	Y	1046.74243	1035.58398	1057.90075	1.50756		09/30/10	06:18	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61497-1SD	Ag	53.94883	53.69596	54.20170	0.66287	ug/L	09/30/10	06:23	
61497-1SD	Al	2079.94824	2083.03125	2076.86523	0.20962	ug/L	09/30/10	06:23	
61497-1SD	2Al	2.07994	2.08292	2.07696	0.20254	mg/L	09/30/10	06:23	
61497-1SD	As	2073.51757	2071.89892	2075.13647	0.11040	ug/L	09/30/10	06:23	
61497-1SD	B	1086.42407	1086.38464	1086.46362	0.00514	ug/L	09/30/10	06:23	
61497-1SD	Ba	2217.83007	2221.59692	2214.06323	0.24019	ug/L	09/30/10	06:23	
61497-1SD	Be	53.51020	53.58359	53.43682	0.19395	ug/L	09/30/10	06:23	
61497-1SD	Ca	116022.66406	116164.00000	115881.32812	0.17227	ug/L	09/30/10	06:23	
61497-1SD	Cd	52.66940	52.46301	52.87578	0.55416	ug/L	09/30/10	06:23	
61497-1SD	Co	529.69140	530.45483	528.92803	0.20381	ug/L	09/30/10	06:23	
61497-1SD	Cr	214.32382	214.86117	213.78648	0.35456	ug/L	09/30/10	06:23	
61497-1SD	Cu	273.07281	274.12017	272.02548	0.54240	ug/L	09/30/10	06:23	
61497-1SD	Fe	1277.42358	1273.47094	1281.37634	0.43759	ug/L	09/30/10	06:23	
61497-1SD	2Fe	1.27748	1.27353	1.28143	0.43748	mg/L	09/30/10	06:23	
61497-1SD	K	21626.23828	21662.81445	21589.66015	0.23919	ug/L	09/30/10	06:23	
61497-1SD	Mg	8032.17285	8042.80224	8021.54296	0.18715	ug/L	09/30/10	06:23	
61497-1SD	2Mg	8.03004	8.04067	8.01941	0.18717	mg/L	09/30/10	06:23	
61497-1SD	Mn	796.75439	797.72064	795.78820	0.17150	ug/L	09/30/10	06:23	
61497-1SD	Mo	534.64050	534.23242	535.04864	0.10795	ug/L	09/30/10	06:23	
61497-1SD	Na	15895.46875	15866.58300	15924.35351	0.25699	ug/L	09/30/10	06:23	
61497-1SD	Ni	523.34387	525.42370	521.26409	0.56201	ug/L	09/30/10	06:23	
61497-1SD	Pb	521.17388	524.68505	517.66271	0.95276	ug/L	09/30/10	06:23	
61497-1SD	Se	2098.43725	2105.54760	2091.32690	0.47919	ug/L	09/30/10	06:23	
61497-1SD	Sb	518.19372	517.97558	518.41186	0.05953	ug/L	09/30/10	06:23	
61497-1SD	Sn	1064.35949	1063.55993	1065.15905	0.10623	ug/L	09/30/10	06:23	
61497-1SD	Sr	1241.27893	1244.13488	1238.42297	0.32538	ug/L	09/30/10	06:23	
61497-1SD	Ti	738.18798	739.08679	737.28924	0.17218	ug/L	09/30/10	06:23	
61497-1SD	Tl	2188.85498	2187.25561	2190.45434	0.10333	ug/L	09/30/10	06:23	
61497-1SD	V	525.49676	526.44519	524.54833	0.25523	ug/L	09/30/10	06:23	
61497-1SD	Zn	540.70422	540.63964	540.76879	0.01688	ug/L	09/30/10	06:23	
61497-1SD	2203/1	523.38720	524.28436	522.49005	0.24241	ug/L	09/30/10	06:23	
61497-1SD	2203/2	520.06890	524.88513	515.25268	1.30966	ug/L	09/30/10	06:23	
61497-1SD	1960/1	2092.06884	2104.12133	2080.01660	0.81472	ug/L	09/30/10	06:23	
61497-1SD	1960/2	2101.61621	2106.25927	2096.97314	0.31243	ug/L	09/30/10	06:23	
61497-1SD	Y	1056.18481	1051.91674	1060.45275	0.57147		09/30/10	06:23	
61568-1	Ag	0.60616	0.41296	0.79935	45.07349	ug/L	09/30/10	06:28	
61568-1	Al	56388.35937	56307.05468	56469.66406	0.20391	ug/L	09/30/10	06:28	
61568-1	2Al	56.38848	56.30962	56.46734	0.19777	mg/L	09/30/10	06:28	
61568-1	As	1.04045	-0.68219	2.76311	234.14672	ug/L	09/30/10	06:28	
61568-1	B	1068.68481	1067.93310	1069.43664	0.09948	ug/L	09/30/10	06:28	
61568-1	Ba	2.44883	2.46813	2.42953	1.11445	ug/L	09/30/10	06:28	
61568-1	Be	0.02790	0.02207	0.03373	29.54608	ug/L	09/30/10	06:28	
61568-1	Ca	3122.03906	3121.55932	3122.51855	0.02172	ug/L	09/30/10	06:28	
61568-1	Cd	0.00317	-0.07151	0.07787	3325.28588	ug/L	09/30/10	06:28	
61568-1	Co	2.74526	2.80908	2.68143	3.28813	ug/L	09/30/10	06:28	
61568-1	Cr	2.80033	2.63890	2.96176	8.15243	ug/L	09/30/10	06:28	
61568-1	Cu	53.66774	53.94438	53.39110	0.72897	ug/L	09/30/10	06:28	
61568-1	Fe	481.47595	485.73886	477.21301	1.25212	ug/L	09/30/10	06:28	
61568-1	2Fe	0.48141	0.48568	0.47715	1.25211	mg/L	09/30/10	06:28	
61568-1	K	117551.43750	117558.57031	117544.31250	0.00857	ug/L	09/30/10	06:28	
61568-1	Mg	2698.95581	2696.63500	2701.27661	0.12160	ug/L	09/30/10	06:28	
61568-1	2Mg	2.69815	2.69583	2.70047	0.12164	mg/L	09/30/10	06:28	
61568-1	Mn	91.78030	91.71804	91.84256	0.09593	ug/L	09/30/10	06:28	
61568-1	Mo	42.42098	41.60173	43.24023	2.73117	ug/L	09/30/10	06:28	
61568-1	Na	1743542.87500	1744042.12500	1743043.62500	0.04049	ug/L	09/30/10	06:28	
61568-1	Ni	699.03271	700.38842	697.67694	0.27428	ug/L	09/30/10	06:28	
61568-1	Pb	2.34930	1.43323	3.26537	55.14473	ug/L	09/30/10	06:28	
61568-1	Se	1.65213	2.00520	1.29906	30.22258	ug/L	09/30/10	06:28	
61568-1	Sb	1.67685	2.30698	1.04671	53.14397	ug/L	09/30/10	06:28	
61568-1	Sn	86.82868	89.35337	84.30401	4.11204	ug/L	09/30/10	06:28	
61568-1	Sr	48.42228	48.47574	48.36882	0.15614	ug/L	09/30/10	06:28	
61568-1	Ti	9.49197	9.74225	9.24170	3.72888	ug/L	09/30/10	06:28	
61568-1	Tl	5.04237	3.78828	6.29646	35.17286	ug/L	09/30/10	06:28	
61568-1	V	26.55347	26.27292	26.83401	1.49417	ug/L	09/30/10	06:28	
61568-1	Zn	56.88718	56.73919	57.03517	0.36790	ug/L	09/30/10	06:28	
61568-1	2203/1	8.05947	5.95879	10.16016	36.86119	ug/L	09/30/10	06:28	
61568-1	2203/2	-0.50150	-0.82615	-0.17685	91.54880	ug/L	09/30/10	06:28	
61568-1	1960/1	3.47825	6.84820	0.10830	137.01780	ug/L	09/30/10	06:28	
61568-1	1960/2	0.74044	-0.41266	1.89354	220.23863	ug/L	09/30/10	06:28	
61568-1	Y	1025.67968	1022.90319	1028.45605	0.38281		09/30/10	06:28	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	504.99041	505.30029	504.68057	0.08677	ug/L	09/30/10	06:33	
CCV	Al	4991.55908	4992.84277	4990.27539	0.03636	ug/L	09/30/10	06:33	
CCV	2Al	4.99155	4.99263	4.99047	0.03051	mg/L	09/30/10	06:33	
CCV	As	499.85751	499.21841	500.49661	0.18081	ug/L	09/30/10	06:33	
CCV	B	5050.78808	5056.10205	5045.47412	0.14879	ug/L	09/30/10	06:33	
CCV	Ba	5080.95263	5085.84472	5076.06054	0.13616	ug/L	09/30/10	06:33	
CCV	Be	509.78112	510.16128	509.40097	0.10546	ug/L	09/30/10	06:33	
CCV	Ca	5062.41308	5060.81738	5064.00830	0.04457	ug/L	09/30/10	06:33	
CCV	Cd	507.71063	507.20202	508.21926	0.14167	ug/L	09/30/10	06:33	
CCV	Co	506.09887	507.17370	505.02407	0.30033	ug/L	09/30/10	06:33	
CCV	Cr	5090.12597	5095.11181	5085.14013	0.13852	ug/L	09/30/10	06:33	
CCV	Cu	5039.32080	5040.42041	5038.22119	0.03085	ug/L	09/30/10	06:33	
CCV	Fe	4996.56738	5014.65820	4978.47607	0.51204	ug/L	09/30/10	06:33	
CCV	2Fe	4.99657	5.01466	4.97848	0.51200	mg/L	09/30/10	06:33	
CCV	K	10383.59179	10407.44042	10359.74414	0.32480	ug/L	09/30/10	06:33	
CCV	Mg	5035.38281	5043.99609	5026.77001	0.24190	ug/L	09/30/10	06:33	
CCV	2Mg	5.03541	5.04402	5.02680	0.24176	mg/L	09/30/10	06:33	
CCV	Mn	5094.88378	5097.54248	5092.22509	0.07379	ug/L	09/30/10	06:33	
CCV	Mo	505.91516	506.76046	505.06988	0.23628	ug/L	09/30/10	06:33	
CCV	Na	8156.89404	7993.63671	8320.15136	2.83049	ug/L	09/30/10	06:33	
CCV	Ni	2525.65429	2525.87988	2525.42895	0.01262	ug/L	09/30/10	06:33	
CCV	Pb	505.88012	504.51751	507.24273	0.38092	ug/L	09/30/10	06:33	
CCV	Se	5039.99316	5040.08251	5039.90332	0.00251	ug/L	09/30/10	06:33	
CCV	Sb	493.68511	491.94070	495.42950	0.49970	ug/L	09/30/10	06:33	
CCV	Sn	5046.76513	5048.95996	5044.57031	0.06150	ug/L	09/30/10	06:33	
CCV	Sr	2594.66088	2594.80688	2594.51489	0.00795	ug/L	09/30/10	06:33	
CCV	Ti	500.90844	501.06103	500.75582	0.04308	ug/L	09/30/10	06:33	
CCV	Tl	5118.83642	5120.01220	5117.66064	0.03248	ug/L	09/30/10	06:33	
CCV	V	5021.76074	5024.74316	5018.77783	0.08399	ug/L	09/30/10	06:33	
CCV	Zn	2532.83007	2536.03100	2529.62890	0.17873	ug/L	09/30/10	06:33	
CCV	2203/1	508.17126	506.59857	509.74395	0.43767	ug/L	09/30/10	06:33	
CCV	2203/2	504.73217	503.47445	505.98986	0.35239	ug/L	09/30/10	06:33	
CCV	1960/1	5010.46972	5006.90234	5014.03759	0.10069	ug/L	09/30/10	06:33	
CCV	1960/2	5054.73193	5056.64746	5052.81640	0.05359	ug/L	09/30/10	06:33	
CCV	Y	1058.78515	1061.90478	1055.66564	0.41667		09/30/10	06:33	
CCB	Ag	0.89369	1.17139	0.61598	43.94509	ug/L	09/30/10	06:39	
CCB	Al	3.40315	-0.02873	6.83504	142.61546	ug/L	09/30/10	06:39	
CCB	2Al	0.00340	-0.00002	0.00683	142.61602	mg/L	09/30/10	06:39	
CCB	As	-1.12323	-2.16375	-0.08271	131.00675	ug/L	09/30/10	06:39	
CCB	B	9.69985	9.37407	10.02563	4.74976	ug/L	09/30/10	06:39	
CCB	Ba	1.88082	0.42785	3.33380	109.25052	ug/L	09/30/10	06:39	
CCB	Be	0.18839	0.02827	0.34852	120.19861	ug/L	09/30/10	06:39	
CCB	Ca	0.79597	-2.39073	3.98267	566.18505	ug/L	09/30/10	06:39	
CCB	Cd	0.12935	0.05249	0.20621	84.02592	ug/L	09/30/10	06:39	
CCB	Co	-0.20676	-0.62442	0.21088	285.66192	ug/L	09/30/10	06:39	
CCB	Cr	2.04367	0.47269	3.61465	108.71106	ug/L	09/30/10	06:39	
CCB	Cu	0.83286	-0.87272	2.53846	289.61090	ug/L	09/30/10	06:39	
CCB	Fe	-0.48886	5.20925	-6.18698	1648.38854	ug/L	09/30/10	06:39	
CCB	2Fe	-0.00048	0.00520	-0.00618	1648.85656	mg/L	09/30/10	06:39	
CCB	K	18.07024	16.03377	20.10669	15.93774	ug/L	09/30/10	06:39	
CCB	Mg	3.09760	0.00327	6.19192	141.27175	ug/L	09/30/10	06:39	
CCB	2Mg	0.00309	0.00000	0.00619	141.30708	mg/L	09/30/10	06:39	
CCB	Mn	1.77267	0.31288	3.23245	116.45954	ug/L	09/30/10	06:39	
CCB	Mo	-0.67748	-0.82716	-0.52780	31.24479	ug/L	09/30/10	06:39	
CCB	Na	186.18505	317.36050	55.00959	99.63748	ug/L	09/30/10	06:39	
CCB	Ni	0.96473	0.15447	1.77498	118.77616	ug/L	09/30/10	06:39	
CCB	Pb	-0.55309	-2.04328	0.93708	381.02511	ug/L	09/30/10	06:39	
CCB	Se	4.38642	1.02772	7.74511	108.28675	ug/L	09/30/10	06:39	
CCB	Sb	0.26674	1.54664	-1.01315	678.57049	ug/L	09/30/10	06:39	
CCB	Sn	3.65315	3.14597	4.16033	19.63406	ug/L	09/30/10	06:39	
CCB	Sr	0.93003	0.15659	1.70347	117.60984	ug/L	09/30/10	06:39	
CCB	Ti	0.32201	0.31115	0.33288	4.77142	ug/L	09/30/10	06:39	
CCB	Tl	0.59902	-3.15615	4.35419	886.54888	ug/L	09/30/10	06:39	
CCB	V	2.40489	0.69425	4.11553	100.59552	ug/L	09/30/10	06:39	
CCB	Zn	0.77916	-0.09455	1.65288	158.58268	ug/L	09/30/10	06:39	
CCB	2203/1	5.07190	6.53026	3.61354	40.66381	ug/L	09/30/10	06:39	
CCB	2203/2	-3.36138	-6.32363	-0.39913	124.62884	ug/L	09/30/10	06:39	
CCB	1960/1	9.14994	8.68947	9.61041	7.11698	ug/L	09/30/10	06:39	
CCB	1960/2	2.00822	-2.79740	6.81386	338.41729	ug/L	09/30/10	06:39	
CCB	Y	1066.73596	1066.55993	1066.91198	0.02333		09/30/10	06:39	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61550-1	Ag	6.23736	6.65314	5.82157	9.42722	ug/L	09/30/10	06:44	
61550-1	Al	196.57403	194.12651	199.02157	1.76082	ug/L	09/30/10	06:44	
61550-1	2Al	0.19658	0.19413	0.19903	1.76083	mg/L	09/30/10	06:44	
61550-1	As	-1.72334	-3.20969	-0.23699	121.97323	ug/L	09/30/10	06:44	
61550-1	B	41.09304	42.25910	39.92699	4.01296	ug/L	09/30/10	06:44	
61550-1	Ba	24.02801	24.15769	23.89833	0.76323	ug/L	09/30/10	06:44	
61550-1	Be	0.01534	0.02732	0.00336	110.41567	ug/L	09/30/10	06:44	
61550-1	Ca	13048.76171	13091.67871	13005.84375	0.46513	ug/L	09/30/10	06:44	
61550-1	Cd	49.63410	49.84779	49.42041	0.60886	ug/L	09/30/10	06:44	
61550-1	Co	-0.20706	-0.44545	0.03131	162.80970	ug/L	09/30/10	06:44	
61550-1	Cr	33.42620	33.42320	33.42921	0.01270	ug/L	09/30/10	06:44	
61550-1	Cu	117.70416	118.44342	116.96490	0.88821	ug/L	09/30/10	06:44	
61550-1	Fe	59.23678	65.22763	53.24593	14.30250	ug/L	09/30/10	06:44	
61550-1	2Fe	0.05922	0.06521	0.05323	14.30245	mg/L	09/30/10	06:44	
61550-1	K	2975.49047	2985.21630	2965.76464	0.46225	ug/L	09/30/10	06:44	
61550-1	Mg	1901.58642	1913.03540	1890.13745	0.85146	ug/L	09/30/10	06:44	
61550-1	2Mg	1.90104	1.91248	1.88959	0.85139	mg/L	09/30/10	06:44	
61550-1	Mn	5.69706	5.71794	5.67618	0.51830	ug/L	09/30/10	06:44	
61550-1	Mo	1.72385	1.50238	1.94533	18.16921	ug/L	09/30/10	06:44	
61550-1	Na	10379.11914	10440.13476	10318.10351	0.83137	ug/L	09/30/10	06:44	
61550-1	Ni	216.84054	219.11355	214.56755	1.48243	ug/L	09/30/10	06:44	
61550-1	Pb	0.72426	0.75559	0.69293	6.11773	ug/L	09/30/10	06:44	
61550-1	Se	3.29691	1.35683	5.23699	83.21971	ug/L	09/30/10	06:44	
61550-1	Sb	3.50987	5.08701	1.93273	63.54695	ug/L	09/30/10	06:44	
61550-1	Sn	-0.17582	-0.44935	0.09770	220.00662	ug/L	09/30/10	06:44	
61550-1	Sr	65.49510	65.60770	65.38250	0.24312	ug/L	09/30/10	06:44	
61550-1	Ti	10.58972	10.70285	10.47659	1.51084	ug/L	09/30/10	06:44	
61550-1	Tl	1.38172	0.00973	2.75371	140.42532	ug/L	09/30/10	06:44	
61550-1	V	3.12230	3.44395	2.80066	14.56847	ug/L	09/30/10	06:44	
61550-1	Zn	16.90763	17.06597	16.74930	1.32436	ug/L	09/30/10	06:44	
61550-1	2203/1	5.69416	7.76023	3.62809	51.31333	ug/L	09/30/10	06:44	
61550-1	2203/2	-1.75695	-2.74147	-0.77244	79.24565	ug/L	09/30/10	06:44	
61550-1	1960/1	3.25116	3.12364	3.37867	5.54674	ug/L	09/30/10	06:44	
61550-1	1960/2	3.31975	0.47475	6.16475	121.19672	ug/L	09/30/10	06:44	
61550-1	Y	1058.25268	1054.47753	1062.02795	0.50450		09/30/10	06:44	
61544-1	Ag	1.66696	2.02098	1.31294	30.03436	ug/L	09/30/10	06:49	
61544-1	Al	4.78747	4.15644	5.41849	18.64044	ug/L	09/30/10	06:49	
61544-1	2Al	0.00478	0.00415	0.00541	18.64049	mg/L	09/30/10	06:49	
61544-1	As	-0.94081	-2.33154	0.44991	209.05154	ug/L	09/30/10	06:49	
61544-1	B	5.61940	6.03880	5.20001	10.55477	ug/L	09/30/10	06:49	
61544-1	Ba	34.82508	34.82164	34.82851	0.01396	ug/L	09/30/10	06:49	
61544-1	Be	0.14235	0.14347	0.14123	1.11457	ug/L	09/30/10	06:49	
61544-1	Ca	5512.45410	5513.45507	5511.45312	0.02567	ug/L	09/30/10	06:49	
61544-1	Cd	0.00787	0.15631	-0.14057	2667.00195	ug/L	09/30/10	06:49	
61544-1	Co	0.26284	-0.08506	0.61074	187.18943	ug/L	09/30/10	06:49	
61544-1	Cr	0.74860	0.77354	0.72366	4.71187	ug/L	09/30/10	06:49	
61544-1	Cu	4.05348	3.56731	4.53964	16.96167	ug/L	09/30/10	06:49	
61544-1	Fe	4048.99340	4032.40820	4065.57861	0.57928	ug/L	09/30/10	06:49	
61544-1	2Fe	4.04848	4.03189	4.06506	0.57929	mg/L	09/30/10	06:49	
61544-1	K	2203.98095	2193.83007	2214.13183	0.65134	ug/L	09/30/10	06:49	
61544-1	Mg	2708.94824	2707.68359	2710.21264	0.06601	ug/L	09/30/10	06:49	
61544-1	2Mg	2.70749	2.70623	2.70875	0.06588	mg/L	09/30/10	06:49	
61544-1	Mn	55.83100	55.76050	55.90150	0.17858	ug/L	09/30/10	06:49	
61544-1	Mo	1.38865	1.65682	1.12048	27.31075	ug/L	09/30/10	06:49	
61544-1	Na	7189.25195	7218.00585	7160.49804	0.56562	ug/L	09/30/10	06:49	
61544-1	Ni	3.63481	3.80449	3.46513	6.60182	ug/L	09/30/10	06:49	
61544-1	Pb	0.82663	1.28718	0.36609	78.79039	ug/L	09/30/10	06:49	
61544-1	Se	2.61602	-1.52095	6.75300	223.64396	ug/L	09/30/10	06:49	
61544-1	Sb	-1.19741	-0.93787	-1.45694	30.65250	ug/L	09/30/10	06:49	
61544-1	Sn	-1.43753	0.99754	-3.87260	239.55751	ug/L	09/30/10	06:49	
61544-1	Sr	55.48825	55.34374	55.63277	0.36831	ug/L	09/30/10	06:49	
61544-1	Ti	0.02657	-0.01858	0.07172	240.33471	ug/L	09/30/10	06:49	
61544-1	Tl	3.83613	5.23682	2.43544	51.63724	ug/L	09/30/10	06:49	
61544-1	V	1.54416	1.46936	1.61895	6.84990	ug/L	09/30/10	06:49	
61544-1	Zn	24.75409	24.66154	24.84663	0.52872	ug/L	09/30/10	06:49	
61544-1	2203/1	6.74599	7.12353	6.36844	7.91470	ug/L	09/30/10	06:49	
61544-1	2203/2	-2.12860	-1.62661	-2.63058	33.35118	ug/L	09/30/10	06:49	
61544-1	1960/1	3.88534	1.91359	5.85710	71.76918	ug/L	09/30/10	06:49	
61544-1	1960/2	1.98231	-3.23566	7.20028	372.25881	ug/L	09/30/10	06:49	
61544-1	Y	1056.05712	1051.68798	1060.42639	0.58509		09/30/10	06:49	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61563-1	Ag	1.01318	1.08482	0.94153	10.00078	ug/L	09/30/10	06:54	
61563-1	Al	67.76644	69.10964	66.42324	2.80310	ug/L	09/30/10	06:54	
61563-1	2Al	0.06776	0.06911	0.06642	2.80311	mg/L	09/30/10	06:54	
61563-1	As	0.27636	-0.47888	1.03161	386.48168	ug/L	09/30/10	06:54	
61563-1	B	198.78802	197.91281	199.66323	0.62264	ug/L	09/30/10	06:54	
61563-1	Ba	27.12800	27.12166	27.13434	0.03307	ug/L	09/30/10	06:54	
61563-1	Be	0.08736	0.06954	0.10519	28.85212	ug/L	09/30/10	06:54	
61563-1	Ca	292417.84375	292852.84375	291982.84375	0.21037	ug/L	09/30/10	06:54	
61563-1	Cd	0.71148	0.65393	0.76903	11.43874	ug/L	09/30/10	06:54	
61563-1	Co	-0.20386	-0.71660	0.30887	355.68225	ug/L	09/30/10	06:54	
61563-1	Cr	6.61993	6.35791	6.88196	5.59755	ug/L	09/30/10	06:54	
61563-1	Cu	19.76504	19.66156	19.86852	0.74040	ug/L	09/30/10	06:54	
61563-1	Fe	251.05589	255.51464	246.59713	2.51164	ug/L	09/30/10	06:54	
61563-1	2Fe	0.25102	0.25548	0.24656	2.51101	mg/L	09/30/10	06:54	
61563-1	K	17558.79101	17498.87109	17618.71093	0.48260	ug/L	09/30/10	06:54	
61563-1	Mg	133564.40625	133850.82812	133277.96875	0.30327	ug/L	09/30/10	06:54	
61563-1	2Mg	133.51718	133.80033	133.23403	0.29991	mg/L	09/30/10	06:54	
61563-1	Mn	10.05450	10.06978	10.03923	0.21485	ug/L	09/30/10	06:54	
61563-1	Mo	12.96600	12.33270	13.59931	6.90753	ug/L	09/30/10	06:54	
61563-1	Na	447933.25000	449823.53125	446042.96875	0.59679	ug/L	09/30/10	06:54	
61563-1	Ni	24.92821	24.91583	24.94059	0.07023	ug/L	09/30/10	06:54	
61563-1	Pb	3.12774	2.77379	3.48168	16.00387	ug/L	09/30/10	06:54	
61563-1	Se	2.91999	3.22453	2.61545	14.74956	ug/L	09/30/10	06:54	
61563-1	Sb	1.66992	1.90827	1.43158	20.18503	ug/L	09/30/10	06:54	
61563-1	Sn	-0.49678	-0.96590	-0.02766	133.54722	ug/L	09/30/10	06:54	
61563-1	Sr	4263.49707	4276.05126	4250.94238	0.41643	ug/L	09/30/10	06:54	
61563-1	Ti	1.12260	1.27456	0.97065	19.14281	ug/L	09/30/10	06:54	
61563-1	Tl	5.02142	4.72283	5.32002	8.40953	ug/L	09/30/10	06:54	
61563-1	V	14.58393	14.39198	14.77588	1.86133	ug/L	09/30/10	06:54	
61563-1	Zn	83.06842	83.13031	83.00651	0.10538	ug/L	09/30/10	06:54	
61563-1	2203/1	10.52914	10.54328	10.51501	0.18983	ug/L	09/30/10	06:54	
61563-1	2203/2	-0.56741	-1.10513	-0.02970	134.01882	ug/L	09/30/10	06:54	
61563-1	1960/1	5.48957	7.82758	3.15156	60.23144	ug/L	09/30/10	06:54	
61563-1	1960/2	1.63713	0.92646	2.34780	61.39001	ug/L	09/30/10	06:54	
61563-1	Y	1044.04956	1039.54394	1048.55517	0.61030		09/30/10	06:54	
CCV	Ag	501.27746	501.77593	500.77899	0.14063	ug/L	09/30/10	06:59	
CCV	Al	4976.44628	4979.00341	4973.88867	0.07267	ug/L	09/30/10	06:59	
CCV	2Al	4.97644	4.97899	4.97388	0.07265	mg/L	09/30/10	06:59	
CCV	As	496.13455	495.78204	496.48706	0.10048	ug/L	09/30/10	06:59	
CCV	B	5007.06542	5020.30126	4993.82910	0.37384	ug/L	09/30/10	06:59	
CCV	Ba	5057.35937	5058.94091	5055.77734	0.04423	ug/L	09/30/10	06:59	
CCV	Be	504.26678	505.44995	503.08358	0.33182	ug/L	09/30/10	06:59	
CCV	Ca	5025.31542	5021.50195	5029.12890	0.10731	ug/L	09/30/10	06:59	
CCV	Cd	502.99871	504.52743	501.47000	0.42980	ug/L	09/30/10	06:59	
CCV	Co	501.50408	501.76632	501.24185	0.07394	ug/L	09/30/10	06:59	
CCV	Cr	5042.63574	5047.96972	5037.30224	0.14958	ug/L	09/30/10	06:59	
CCV	Cu	5009.16357	5019.12890	4999.19824	0.28134	ug/L	09/30/10	06:59	
CCV	Fe	4952.46484	4962.67675	4942.25292	0.29160	ug/L	09/30/10	06:59	
CCV	2Fe	4.95246	4.96268	4.94225	0.29158	mg/L	09/30/10	06:59	
CCV	K	10343.38281	10308.51757	10378.24707	0.47669	ug/L	09/30/10	06:59	
CCV	Mg	5005.00292	5005.20800	5004.79785	0.00579	ug/L	09/30/10	06:59	
CCV	2Mg	5.00503	5.00524	5.00482	0.00582	mg/L	09/30/10	06:59	
CCV	Mn	5055.32617	5061.53710	5049.11474	0.17375	ug/L	09/30/10	06:59	
CCV	Mo	501.88128	502.06021	501.70239	0.05041	ug/L	09/30/10	06:59	
CCV	Na	7559.02001	7428.69873	7689.34130	2.43817	ug/L	09/30/10	06:59	
CCV	Ni	2502.23461	2508.05053	2496.41870	0.32870	ug/L	09/30/10	06:59	
CCV	Pb	500.53741	502.22613	498.84866	0.47713	ug/L	09/30/10	06:59	
CCV	Se	5005.33007	5012.55029	4998.11035	0.20399	ug/L	09/30/10	06:59	
CCV	Sb	486.49639	489.12313	483.86968	0.76357	ug/L	09/30/10	06:59	
CCV	Sn	5001.57226	5007.19726	4995.94726	0.15904	ug/L	09/30/10	06:59	
CCV	Sr	2573.45898	2567.15405	2579.76416	0.34648	ug/L	09/30/10	06:59	
CCV	Ti	497.29174	497.54623	497.03723	0.07237	ug/L	09/30/10	06:59	
CCV	Tl	5063.20166	5068.14794	5058.25537	0.13815	ug/L	09/30/10	06:59	
CCV	V	4990.68896	4996.53466	4984.84326	0.16564	ug/L	09/30/10	06:59	
CCV	Zn	2507.20996	2509.58398	2504.83569	0.13391	ug/L	09/30/10	06:59	
CCV	2203/1	502.69445	506.43731	498.95156	1.05297	ug/L	09/30/10	06:59	
CCV	2203/2	499.45642	500.11962	498.79318	0.18779	ug/L	09/30/10	06:59	
CCV	1960/1	4999.74316	5026.02734	4973.45898	0.74346	ug/L	09/30/10	06:59	
CCV	1960/2	5008.11962	5005.82177	5010.41748	0.06488	ug/L	09/30/10	06:59	
CCV	Y	1060.23278	1057.54882	1062.91674	0.35800		09/30/10	06:59	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.68561	0.43180	0.93942	52.35355	ug/L	09/30/10	07:05	
CCB	Al	0.09504	3.57494	-3.38485	5177.65917	ug/L	09/30/10	07:05	
CCB	2Al	0.00009	0.00357	-0.00338	5178.02587	mg/L	09/30/10	07:05	
CCB	As	-1.34529	-2.51558	-0.17500	123.02436	ug/L	09/30/10	07:05	
CCB	B	7.32825	9.05936	5.59713	33.40720	ug/L	09/30/10	07:05	
CCB	Ba	0.94196	0.33896	1.54496	90.53100	ug/L	09/30/10	07:05	
CCB	Be	0.11464	0.05206	0.17722	77.19214	ug/L	09/30/10	07:05	
CCB	Ca	2.90955	-1.34936	7.16846	207.00828	ug/L	09/30/10	07:05	
CCB	Cd	0.09260	-0.02242	0.20763	175.66719	ug/L	09/30/10	07:05	
CCB	Co	-0.39629	-0.28476	-0.50782	39.80185	ug/L	09/30/10	07:05	
CCB	Cr	0.67258	0.47084	0.87431	42.41845	ug/L	09/30/10	07:05	
CCB	Cu	-0.39003	-0.66844	-0.11162	100.94777	ug/L	09/30/10	07:05	
CCB	Fe	-5.60064	-0.50906	-10.69222	128.56695	ug/L	09/30/10	07:05	
CCB	2Fe	-0.00559	-0.00050	-0.01069	128.56765	mg/L	09/30/10	07:05	
CCB	K	12.71394	9.44186	15.98602	36.39642	ug/L	09/30/10	07:05	
CCB	Mg	-1.53332	-3.07581	0.00916	142.26708	ug/L	09/30/10	07:05	
CCB	2Mg	-0.00153	-0.00307	0.00001	142.50341	mg/L	09/30/10	07:05	
CCB	Mn	0.85245	0.24015	1.46476	101.57966	ug/L	09/30/10	07:05	
CCB	Mo	1.37507	1.78603	0.96412	42.26514	ug/L	09/30/10	07:05	
CCB	Na	137.39216	202.64576	72.13857	67.16723	ug/L	09/30/10	07:05	
CCB	Ni	0.93001	1.42212	0.43790	74.83220	ug/L	09/30/10	07:05	
CCB	Pb	0.44180	0.41879	0.46480	7.36350	ug/L	09/30/10	07:05	
CCB	Se	5.24709	7.49165	3.00253	60.49603	ug/L	09/30/10	07:05	
CCB	Sb	0.30056	1.47471	-0.87358	552.46173	ug/L	09/30/10	07:05	
CCB	Sn	0.14290	-2.73840	3.02420	2851.45507	ug/L	09/30/10	07:05	
CCB	Sr	0.45304	0.09121	0.81487	112.94901	ug/L	09/30/10	07:05	
CCB	Ti	0.13862	0.26790	0.00934	131.88648	ug/L	09/30/10	07:05	
CCB	Tl	2.95451	2.86458	3.04443	4.30440	ug/L	09/30/10	07:05	
CCB	V	1.36232	1.20941	1.51524	15.87370	ug/L	09/30/10	07:05	
CCB	Zn	0.09800	-0.15912	0.35514	371.04394	ug/L	09/30/10	07:05	
CCB	2203/1	4.57664	7.39080	1.76249	86.95922	ug/L	09/30/10	07:05	
CCB	2203/2	-1.62252	-3.06197	-0.18306	125.46507	ug/L	09/30/10	07:05	
CCB	1960/1	8.64424	7.73998	9.54849	14.79380	ug/L	09/30/10	07:05	
CCB	1960/2	3.55107	7.36767	-0.26553	151.99627	ug/L	09/30/10	07:05	
CCB	Y	1070.93359	1069.26159	1072.60559	0.22079		09/30/10	07:05	
PBW 181442	Ag	1.03075	1.07697	0.98452	6.34215	ug/L	09/30/10	07:10	
PBW 181442	Al	0.44775	0.87951	0.01598	136.37139	ug/L	09/30/10	07:10	
PBW 181442	2Al	0.00044	0.00087	0.00001	136.37133	mg/L	09/30/10	07:10	
PBW 181442	As	-2.30521	-0.17757	-4.43285	130.52764	ug/L	09/30/10	07:10	
PBW 181442	B	2.09587	2.57080	1.62095	32.04581	ug/L	09/30/10	07:10	
PBW 181442	Ba	0.16855	0.04968	0.28742	99.73427	ug/L	09/30/10	07:10	
PBW 181442	Be	0.03934	0.04848	0.03020	32.84872	ug/L	09/30/10	07:10	
PBW 181442	Ca	7.20477	7.04029	7.36924	3.22846	ug/L	09/30/10	07:10	
PBW 181442	Cd	0.01766	0.06733	-0.03200	397.61538	ug/L	09/30/10	07:10	
PBW 181442	Co	-0.49666	-0.54095	-0.45236	12.61367	ug/L	09/30/10	07:10	
PBW 181442	Cr	0.34364	0.30460	0.38268	16.06559	ug/L	09/30/10	07:10	
PBW 181442	Cu	-0.74446	-0.82005	-0.66888	14.35823	ug/L	09/30/10	07:10	
PBW 181442	Fe	18.09366	16.44585	19.74146	12.87934	ug/L	09/30/10	07:10	
PBW 181442	2Fe	0.01809	0.01644	0.01973	12.87971	mg/L	09/30/10	07:10	
PBW 181442	K	33.85190	27.99327	39.71054	24.47533	ug/L	09/30/10	07:10	
PBW 181442	Mg	3.05842	3.06480	3.05204	0.29502	ug/L	09/30/10	07:10	
PBW 181442	2Mg	0.00305	0.00306	0.00304	0.30862	mg/L	09/30/10	07:10	
PBW 181442	Mn	0.14823	0.14294	0.15353	5.04894	ug/L	09/30/10	07:10	
PBW 181442	Mo	-0.52090	-1.70707	0.66527	322.03942	ug/L	09/30/10	07:10	
PBW 181442	Na	397.46746	446.55590	348.37899	17.46597	ug/L	09/30/10	07:10	
PBW 181442	Ni	0.21053	-0.51984	0.94092	490.60946	ug/L	09/30/10	07:10	
PBW 181442	Pb	0.63339	0.69967	0.56711	14.79808	ug/L	09/30/10	07:10	
PBW 181442	Se	2.10847	2.01562	2.20133	6.22804	ug/L	09/30/10	07:10	
PBW 181442	Sb	0.59872	2.57478	-1.37733	466.75561	ug/L	09/30/10	07:10	
PBW 181442	Sn	-1.37551	-1.07410	-1.67692	30.98922	ug/L	09/30/10	07:10	
PBW 181442	Sr	-0.02572	-0.02566	-0.02578	0.31094	ug/L	09/30/10	07:10	
PBW 181442	Ti	-0.16092	-0.11903	-0.20282	36.81518	ug/L	09/30/10	07:10	
PBW 181442	Tl	0.17034	0.26971	0.07096	82.50210	ug/L	09/30/10	07:10	
PBW 181442	V	1.07493	0.79444	1.35542	36.90190	ug/L	09/30/10	07:10	
PBW 181442	Zn	0.99059	0.67345	1.30773	45.27641	ug/L	09/30/10	07:10	
PBW 181442	2203/1	4.64226	4.64142	4.64310	0.02558	ug/L	09/30/10	07:10	
PBW 181442	2203/2	-1.36803	-1.26825	-1.46782	10.31535	ug/L	09/30/10	07:10	
PBW 181442	1960/1	5.46359	3.81579	7.11140	42.65225	ug/L	09/30/10	07:10	
PBW 181442	1960/2	0.43343	1.11688	-0.25002	222.99900	ug/L	09/30/10	07:10	
PBW 181442	Y	1077.46313	1075.09594	1079.83044	0.31071		09/30/10	07:10	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	52.58127	52.55696	52.60559	0.06539	ug/L	09/30/10	07:15	
LCSW-1	Al	2038.56396	2042.05969	2035.06835	0.24250	ug/L	09/30/10	07:15	
LCSW-1	2Al	2.03845	2.04195	2.03496	0.24250	mg/L	09/30/10	07:15	
LCSW-1	As	2010.50488	2015.17395	2005.83593	0.32842	ug/L	09/30/10	07:15	
LCSW-1	B	1048.44775	1049.24145	1047.65417	0.10705	ug/L	09/30/10	07:15	
LCSW-1	Ba	2105.31933	2105.13061	2105.50805	0.01267	ug/L	09/30/10	07:15	
LCSW-1	Be	51.75684	51.80593	51.70775	0.13413	ug/L	09/30/10	07:15	
LCSW-1	Ca	5219.45996	5222.60302	5216.31689	0.08516	ug/L	09/30/10	07:15	
LCSW-1	Cd	52.75615	52.82847	52.68383	0.19386	ug/L	09/30/10	07:15	
LCSW-1	Co	523.29235	524.50329	522.08142	0.32725	ug/L	09/30/10	07:15	
LCSW-1	Cr	209.88815	210.01193	209.76435	0.08340	ug/L	09/30/10	07:15	
LCSW-1	Cu	255.95146	255.94529	255.95762	0.00340	ug/L	09/30/10	07:15	
LCSW-1	Fe	1047.37500	1048.04138	1046.70874	0.08996	ug/L	09/30/10	07:15	
LCSW-1	2Fe	1.04746	1.04812	1.04679	0.09000	mg/L	09/30/10	07:15	
LCSW-1	K	5419.06884	5409.25048	5428.88720	0.25622	ug/L	09/30/10	07:15	
LCSW-1	Mg	5222.89746	5222.83837	5222.95605	0.00159	ug/L	09/30/10	07:15	
LCSW-1	2Mg	5.22147	5.22142	5.22153	0.00158	mg/L	09/30/10	07:15	
LCSW-1	Mn	525.98687	526.45935	525.51440	0.12703	ug/L	09/30/10	07:15	
LCSW-1	Mo	522.88696	521.35784	524.41607	0.41356	ug/L	09/30/10	07:15	
LCSW-1	Na	5486.12402	5470.42773	5501.82080	0.40462	ug/L	09/30/10	07:15	
LCSW-1	Ni	518.63464	520.45556	516.81378	0.49652	ug/L	09/30/10	07:15	
LCSW-1	Pb	516.80334	517.36407	516.24255	0.15345	ug/L	09/30/10	07:15	
LCSW-1	Se	2055.45263	2057.69970	2053.20556	0.15460	ug/L	09/30/10	07:15	
LCSW-1	Sb	504.22271	502.45770	505.98773	0.49504	ug/L	09/30/10	07:15	
LCSW-1	Sn	1043.91418	1044.67651	1043.15185	0.10327	ug/L	09/30/10	07:15	
LCSW-1	Sr	546.31964	545.75738	546.88189	0.14554	ug/L	09/30/10	07:15	
LCSW-1	Ti	726.51550	726.85827	726.17272	0.06672	ug/L	09/30/10	07:15	
LCSW-1	Tl	2146.69531	2148.83569	2144.55517	0.14099	ug/L	09/30/10	07:15	
LCSW-1	V	512.33746	512.40991	512.26501	0.01999	ug/L	09/30/10	07:15	
LCSW-1	Zn	527.15991	527.85437	526.46539	0.18631	ug/L	09/30/10	07:15	
LCSW-1	2203/1	520.91992	519.79418	522.04565	0.30561	ug/L	09/30/10	07:15	
LCSW-1	2203/2	514.74810	516.15081	513.34539	0.38537	ug/L	09/30/10	07:15	
LCSW-1	1960/1	2054.00976	2053.74536	2054.27392	0.01819	ug/L	09/30/10	07:15	
LCSW-1	1960/2	2056.17236	2059.67333	2052.67163	0.24078	ug/L	09/30/10	07:15	
LCSW-1	Y	1078.87561	1076.99682	1080.75439	0.24627		09/30/10	07:15	
LCSW-2	Ag	52.06001	51.94230	52.17772	0.31976	ug/L	09/30/10	07:20	
LCSW-2	Al	2003.46997	2002.93554	2004.00439	0.03772	ug/L	09/30/10	07:20	
LCSW-2	2Al	2.00346	2.00303	2.00389	0.03049	mg/L	09/30/10	07:20	
LCSW-2	As	1996.28210	1993.54467	1999.01953	0.19392	ug/L	09/30/10	07:20	
LCSW-2	B	1035.98095	1034.07141	1037.89038	0.26066	ug/L	09/30/10	07:20	
LCSW-2	Ba	2075.66064	2076.38232	2074.93896	0.04917	ug/L	09/30/10	07:20	
LCSW-2	Be	51.23633	51.25193	51.22073	0.04305	ug/L	09/30/10	07:20	
LCSW-2	Ca	5165.58105	5169.37304	5161.78906	0.10381	ug/L	09/30/10	07:20	
LCSW-2	Cd	51.64490	51.67385	51.61594	0.07928	ug/L	09/30/10	07:20	
LCSW-2	Co	516.28588	516.10705	516.46472	0.04898	ug/L	09/30/10	07:20	
LCSW-2	Cr	207.03881	207.08973	206.98791	0.03477	ug/L	09/30/10	07:20	
LCSW-2	Cu	252.89016	253.33486	252.44548	0.24868	ug/L	09/30/10	07:20	
LCSW-2	Fe	1029.05981	1032.43896	1025.68054	0.46439	ug/L	09/30/10	07:20	
LCSW-2	2Fe	1.02914	1.03252	1.02576	0.46430	mg/L	09/30/10	07:20	
LCSW-2	K	5266.06640	5281.68798	5250.44482	0.41952	ug/L	09/30/10	07:20	
LCSW-2	Mg	5161.83251	5166.18701	5157.47802	0.11930	ug/L	09/30/10	07:20	
LCSW-2	2Mg	5.16043	5.16478	5.15607	0.11928	mg/L	09/30/10	07:20	
LCSW-2	Mn	519.65747	519.83447	519.48046	0.04816	ug/L	09/30/10	07:20	
LCSW-2	Mo	518.01995	517.95727	518.08264	0.01711	ug/L	09/30/10	07:20	
LCSW-2	Na	5466.28955	5523.44042	5409.13867	1.47858	ug/L	09/30/10	07:20	
LCSW-2	Ni	512.33959	512.54644	512.13269	0.05710	ug/L	09/30/10	07:20	
LCSW-2	Pb	509.01544	510.37301	507.65786	0.37717	ug/L	09/30/10	07:20	
LCSW-2	Se	2030.80847	2027.07226	2034.54467	0.26018	ug/L	09/30/10	07:20	
LCSW-2	Sb	497.32885	497.45532	497.20236	0.03596	ug/L	09/30/10	07:20	
LCSW-2	Sn	1033.19433	1032.17456	1034.21398	0.13957	ug/L	09/30/10	07:20	
LCSW-2	Sr	540.99694	540.95733	541.03656	0.01035	ug/L	09/30/10	07:20	
LCSW-2	Ti	718.84729	719.27600	718.41864	0.08433	ug/L	09/30/10	07:20	
LCSW-2	Tl	2123.44677	2129.12915	2117.76440	0.37844	ug/L	09/30/10	07:20	
LCSW-2	V	505.34179	506.24240	504.44122	0.25203	ug/L	09/30/10	07:20	
LCSW-2	Zn	520.41369	520.09893	520.72851	0.08554	ug/L	09/30/10	07:20	
LCSW-2	2203/1	510.65106	513.12139	508.18072	0.68414	ug/L	09/30/10	07:20	
LCSW-2	2203/2	508.19885	509.00088	507.39682	0.22318	ug/L	09/30/10	07:20	
LCSW-2	1960/1	2014.98315	2014.46960	2015.49682	0.03604	ug/L	09/30/10	07:20	
LCSW-2	1960/2	2038.70861	2033.36352	2044.05371	0.37077	ug/L	09/30/10	07:20	
LCSW-2	Y	1071.54077	1071.59362	1071.48803	0.00696		09/30/10	07:20	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61650-4	Ag	1.53595	1.32009	1.75180	19.87442	ug/L	09/30/10	07:25	
61650-4	Al	40770.98828	40623.57031	40918.40625	0.51134	ug/L	09/30/10	07:25	
61650-4	2Al	40.77142	40.62432	40.91852	0.51024	mg/L	09/30/10	07:25	
61650-4	As	29.30659	27.30910	31.30407	9.63903	ug/L	09/30/10	07:25	
61650-4	B	28.53133	29.29163	27.77102	3.76859	ug/L	09/30/10	07:25	
61650-4	Ba	71.45854	71.25706	71.66003	0.39875	ug/L	09/30/10	07:25	
61650-4	Be	0.69867	0.68772	0.70962	2.21628	ug/L	09/30/10	07:25	
61650-4	Ca	1428.15551	1419.75634	1436.55468	0.83171	ug/L	09/30/10	07:25	
61650-4	Cd	0.14609	-0.12282	0.41501	260.32257	ug/L	09/30/10	07:25	
61650-4	Co	31.42212	31.61029	31.23394	0.84691	ug/L	09/30/10	07:25	
61650-4	Cr	50.93354	50.73514	51.13193	0.55087	ug/L	09/30/10	07:25	
61650-4	Cu	21.88208	22.05650	21.70766	1.12725	ug/L	09/30/10	07:25	
61650-4	Fe	58693.65625	58325.75390	59061.56250	0.88645	ug/L	09/30/10	07:25	
61650-4	2Fe	58.68448	58.31721	59.05175	0.88507	mg/L	09/30/10	07:25	
61650-4	K	4428.92480	4418.24414	4439.60595	0.34105	ug/L	09/30/10	07:25	
61650-4	Mg	2941.29052	2923.16406	2959.41674	0.87153	ug/L	09/30/10	07:25	
61650-4	2Mg	2.93042	2.91236	2.94848	0.87148	mg/L	09/30/10	07:25	
61650-4	Mn	619.76257	616.40802	623.11712	0.76546	ug/L	09/30/10	07:25	
61650-4	Mo	9.48386	9.52917	9.43854	0.67567	ug/L	09/30/10	07:25	
61650-4	Na	6117.38818	5895.75976	6339.01660	5.12359	ug/L	09/30/10	07:25	
61650-4	Ni	97.45028	97.14507	97.75550	0.44293	ug/L	09/30/10	07:25	
61650-4	Pb	28.03955	28.06297	28.01614	0.11810	ug/L	09/30/10	07:25	
61650-4	Se	3.07660	1.74642	4.40677	61.14384	ug/L	09/30/10	07:25	
61650-4	Sb	3.67868	1.73684	5.62051	74.65084	ug/L	09/30/10	07:25	
61650-4	Sn	2.85071	0.90874	4.79269	96.33922	ug/L	09/30/10	07:25	
61650-4	Sr	18.04880	18.01611	18.08149	0.25612	ug/L	09/30/10	07:25	
61650-4	Ti	476.70187	475.68569	477.71804	0.30146	ug/L	09/30/10	07:25	
61650-4	Tl	4.42674	6.40388	2.44961	63.16349	ug/L	09/30/10	07:25	
61650-4	V	109.36563	108.59069	110.14056	1.00207	ug/L	09/30/10	07:25	
61650-4	Zn	142.52397	141.83137	143.21656	0.68723	ug/L	09/30/10	07:25	
61650-4	2203/1	37.90262	38.27378	37.53146	1.38485	ug/L	09/30/10	07:25	
61650-4	2203/2	23.11541	22.96522	23.26561	0.91889	ug/L	09/30/10	07:25	
61650-4	1960/1	4.34762	6.10654	2.58869	57.21503	ug/L	09/30/10	07:25	
61650-4	1960/2	2.44204	-0.43036	5.31445	166.34423	ug/L	09/30/10	07:25	
61650-4	Y	1040.77160	1044.37524	1037.16796	0.48966		09/30/10	07:25	
61650-5	Ag	0.44730	0.35735	0.53724	28.43768	ug/L	09/30/10	07:31	
61650-5	Al	14619.30078	14640.11425	14598.48632	0.20134	ug/L	09/30/10	07:31	
61650-5	2Al	14.61874	14.63984	14.59763	0.20419	mg/L	09/30/10	07:31	
61650-5	As	6.44070	8.15265	4.72875	37.59000	ug/L	09/30/10	07:31	
61650-5	B	41.08387	42.04677	40.12097	3.31455	ug/L	09/30/10	07:31	
61650-5	Ba	105.70141	105.77261	105.63022	0.09525	ug/L	09/30/10	07:31	
61650-5	Be	1.54127	1.53981	1.54274	0.13453	ug/L	09/30/10	07:31	
61650-5	Ca	7398.49804	7424.50634	7372.48974	0.49714	ug/L	09/30/10	07:31	
61650-5	Cd	0.81478	0.77958	0.84998	6.11016	ug/L	09/30/10	07:31	
61650-5	Co	60.61724	62.19415	59.04032	3.67897	ug/L	09/30/10	07:31	
61650-5	Cr	15.82348	16.43556	15.21139	5.47043	ug/L	09/30/10	07:31	
61650-5	Cu	17.31715	18.13472	16.49957	6.67676	ug/L	09/30/10	07:31	
61650-5	Fe	23076.78320	23132.88867	23020.67773	0.34383	ug/L	09/30/10	07:31	
61650-5	2Fe	23.07223	23.12888	23.01559	0.34718	mg/L	09/30/10	07:31	
61650-5	K	7241.00390	7195.87255	7286.13574	0.88144	ug/L	09/30/10	07:31	
61650-5	Mg	4661.37500	4687.51416	4635.23632	0.79302	ug/L	09/30/10	07:31	
61650-5	2Mg	4.65823	4.68436	4.63210	0.79327	mg/L	09/30/10	07:31	
61650-5	Mn	4867.98730	4884.91601	4851.05908	0.49179	ug/L	09/30/10	07:31	
61650-5	Mo	1.15648	-0.56344	2.87642	210.32289	ug/L	09/30/10	07:31	
61650-5	Na	6241.22167	6124.49072	6357.95312	2.64504	ug/L	09/30/10	07:31	
61650-5	Ni	216.23245	217.39260	215.07229	0.75877	ug/L	09/30/10	07:31	
61650-5	Pb	20.28959	20.18385	20.39532	0.73700	ug/L	09/30/10	07:31	
61650-5	Se	0.76823	-1.83976	3.37622	480.09783	ug/L	09/30/10	07:31	
61650-5	Sb	0.39385	-3.06924	3.85695	1243.50170	ug/L	09/30/10	07:31	
61650-5	Sn	-1.72884	-2.15788	-1.29980	35.09586	ug/L	09/30/10	07:31	
61650-5	Sr	45.11214	45.19237	45.03190	0.25152	ug/L	09/30/10	07:31	
61650-5	Ti	101.70228	103.02104	100.38351	1.83380	ug/L	09/30/10	07:31	
61650-5	Tl	-4.45687	-5.13778	-3.77596	21.60601	ug/L	09/30/10	07:31	
61650-5	V	36.50784	36.25643	36.75925	0.97390	ug/L	09/30/10	07:31	
61650-5	Zn	172.73736	174.35900	171.11570	1.32765	ug/L	09/30/10	07:31	
61650-5	2203/1	18.84899	14.63097	23.06701	31.64721	ug/L	09/30/10	07:31	
61650-5	2203/2	21.00880	22.95613	19.06148	13.10845	ug/L	09/30/10	07:31	
61650-5	1960/1	-9.13280	-16.29241	-1.97320	110.86638	ug/L	09/30/10	07:31	
61650-5	1960/2	5.71132	5.37572	6.04692	8.30998	ug/L	09/30/10	07:31	
61650-5	Y	1111.37402	1108.32482	1114.42321	0.38800		09/30/10	07:31	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61650-6	Ag	1.62627	0.84736	2.40519	67.73467	ug/L	09/30/10	07:36	
61650-6	Al	1950.49316	1956.02246	1944.96374	0.40090	ug/L	09/30/10	07:36	
61650-6	2Al	1.95058	1.95611	1.94505	0.40090	mg/L	09/30/10	07:36	
61650-6	As	-0.15363	-0.18511	-0.12216	28.97184	ug/L	09/30/10	07:36	
61650-6	B	15.85405	16.36195	15.34616	4.53052	ug/L	09/30/10	07:36	
61650-6	Ba	38.54492	38.53326	38.55658	0.04279	ug/L	09/30/10	07:36	
61650-6	Be	0.20655	0.19731	0.21580	6.33117	ug/L	09/30/10	07:36	
61650-6	Ca	10224.43554	10235.38867	10213.48339	0.15149	ug/L	09/30/10	07:36	
61650-6	Cd	0.38652	0.40735	0.36568	7.62167	ug/L	09/30/10	07:36	
61650-6	Co	43.50071	44.10265	42.89878	1.95690	ug/L	09/30/10	07:36	
61650-6	Cr	2.98337	3.19789	2.76885	10.16893	ug/L	09/30/10	07:36	
61650-6	Cu	8.53313	8.78224	8.28402	4.12856	ug/L	09/30/10	07:36	
61650-6	Fe	5884.05468	5875.34521	5892.76464	0.20933	ug/L	09/30/10	07:36	
61650-6	2Fe	5.88332	5.87461	5.89203	0.20932	mg/L	09/30/10	07:36	
61650-6	K	2806.28002	2810.14282	2802.41723	0.19466	ug/L	09/30/10	07:36	
61650-6	Mg	3731.06005	3739.95019	3722.16967	0.33697	ug/L	09/30/10	07:36	
61650-6	2Mg	3.72980	3.73869	3.72091	0.33711	mg/L	09/30/10	07:36	
61650-6	Mn	1821.24365	1824.70922	1817.77807	0.26910	ug/L	09/30/10	07:36	
61650-6	Mo	0.66601	0.51828	0.81374	31.36834	ug/L	09/30/10	07:36	
61650-6	Na	6618.60937	6380.84667	6856.37207	5.08033	ug/L	09/30/10	07:36	
61650-6	Ni	35.43035	35.79476	35.06594	1.45455	ug/L	09/30/10	07:36	
61650-6	Pb	3.88088	4.68688	3.07488	29.37108	ug/L	09/30/10	07:36	
61650-6	Se	3.51641	-0.00023	7.03305	141.43080	ug/L	09/30/10	07:36	
61650-6	Sb	2.60566	2.86844	2.34289	14.26219	ug/L	09/30/10	07:36	
61650-6	Sn	-1.07899	-1.58390	-0.57409	66.17673	ug/L	09/30/10	07:36	
61650-6	Sr	64.42950	64.68247	64.17652	0.55527	ug/L	09/30/10	07:36	
61650-6	Ti	30.05514	29.71030	30.39998	1.62259	ug/L	09/30/10	07:36	
61650-6	Tl	1.73565	2.19598	1.27533	37.50690	ug/L	09/30/10	07:36	
61650-6	V	7.30344	6.87368	7.73321	8.32175	ug/L	09/30/10	07:36	
61650-6	Zn	39.07266	39.37546	38.76987	1.09594	ug/L	09/30/10	07:36	
61650-6	2203/1	13.01235	12.06173	13.96297	10.33154	ug/L	09/30/10	07:36	
61650-6	2203/2	-0.67800	1.00498	-2.36099	351.04458	ug/L	09/30/10	07:36	
61650-6	1960/1	7.70301	4.56226	10.84377	57.66170	ug/L	09/30/10	07:36	
61650-6	1960/2	1.42624	-2.27806	5.13055	367.30657	ug/L	09/30/10	07:36	
61650-6	Y	1073.65283	1069.76318	1077.54235	0.51233		09/30/10	07:36	
61650-6L	Ag	0.89372	0.94009	0.84736	7.33710	ug/L	09/30/10	07:41	
61650-6L	Al	392.83084	396.58657	389.07510	1.35208	ug/L	09/30/10	07:41	
61650-6L	2Al	0.39285	0.39660	0.38909	1.35208	mg/L	09/30/10	07:41	
61650-6L	As	1.12012	1.12444	1.11579	0.54580	ug/L	09/30/10	07:41	
61650-6L	B	4.25428	4.55785	3.95071	10.09133	ug/L	09/30/10	07:41	
61650-6L	Ba	7.84687	7.98641	7.70733	2.51485	ug/L	09/30/10	07:41	
61650-6L	Be	0.06880	0.05610	0.08150	26.10255	ug/L	09/30/10	07:41	
61650-6L	Ca	2062.96533	2091.28540	2034.64501	1.94141	ug/L	09/30/10	07:41	
61650-6L	Cd	0.19120	0.13865	0.24375	38.86703	ug/L	09/30/10	07:41	
61650-6L	Co	8.92832	9.03495	8.82170	1.68890	ug/L	09/30/10	07:41	
61650-6L	Cr	0.79946	1.21004	0.38888	72.62962	ug/L	09/30/10	07:41	
61650-6L	Cu	0.70247	0.91185	0.49309	42.15180	ug/L	09/30/10	07:41	
61650-6L	Fe	1198.79418	1217.79235	1179.79614	2.24120	ug/L	09/30/10	07:41	
61650-6L	2Fe	1.19864	1.21764	1.17964	2.24120	mg/L	09/30/10	07:41	
61650-6L	K	607.49780	610.37261	604.62304	0.66923	ug/L	09/30/10	07:41	
61650-6L	Mg	758.24542	769.46496	747.02587	2.09257	ug/L	09/30/10	07:41	
61650-6L	2Mg	0.75798	0.76920	0.74677	2.09253	mg/L	09/30/10	07:41	
61650-6L	Mn	367.06683	372.55371	361.57995	2.11395	ug/L	09/30/10	07:41	
61650-6L	Mo	-1.61119	-1.95256	-1.26983	29.96296	ug/L	09/30/10	07:41	
61650-6L	Na	1614.24670	1634.08593	1594.40747	1.73808	ug/L	09/30/10	07:41	
61650-6L	Ni	6.69589	7.41728	5.97451	15.23610	ug/L	09/30/10	07:41	
61650-6L	Pb	1.28428	1.98387	0.58468	77.03723	ug/L	09/30/10	07:41	
61650-6L	Se	2.66009	-1.17385	6.49404	203.82850	ug/L	09/30/10	07:41	
61650-6L	Sb	1.24435	0.96335	1.52535	31.93592	ug/L	09/30/10	07:41	
61650-6L	Sn	-3.24037	-2.64318	-3.83756	26.06351	ug/L	09/30/10	07:41	
61650-6L	Sr	12.80501	13.01970	12.59031	2.37113	ug/L	09/30/10	07:41	
61650-6L	Ti	5.70068	5.62795	5.77341	1.80424	ug/L	09/30/10	07:41	
61650-6L	Tl	2.43738	2.92042	1.95433	28.02707	ug/L	09/30/10	07:41	
61650-6L	V	1.65187	1.70109	1.60264	4.21433	ug/L	09/30/10	07:41	
61650-6L	Zn	8.26161	8.50950	8.01373	4.24326	ug/L	09/30/10	07:41	
61650-6L	2203/1	2.92650	2.01683	3.83617	43.95933	ug/L	09/30/10	07:41	
61650-6L	2203/2	0.46439	1.96742	-1.03862	457.70727	ug/L	09/30/10	07:41	
61650-6L	1960/1	6.30886	1.33512	11.28260	111.49276	ug/L	09/30/10	07:41	
61650-6L	1960/2	0.83843	-2.42647	4.10334	550.70019	ug/L	09/30/10	07:41	
61650-6L	Y	1067.50598	1064.78234	1070.22961	0.36082		09/30/10	07:41	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61650-6A	Ag	40.77736	40.58281	40.97191	0.67473	ug/L	09/30/10	07:46	
61650-6A	Al	3839.19848	3824.78979	3853.60717	0.53076	ug/L	09/30/10	07:46	
61650-6A	2Al	3.83918	3.82497	3.85338	0.52331	mg/L	09/30/10	07:46	
61650-6A	As	1918.61791	1910.46215	1926.77355	0.60115	ug/L	09/30/10	07:46	
61650-6A	B	525.59173	521.39025	529.79321	1.13049	ug/L	09/30/10	07:46	
61650-6A	Ba	2053.03881	2046.13146	2059.94628	0.47580	ug/L	09/30/10	07:46	
61650-6A	Be	50.40603	50.17297	50.63909	0.65388	ug/L	09/30/10	07:46	
61650-6A	Ca	12697.19238	12649.57617	12744.80859	0.53034	ug/L	09/30/10	07:46	
61650-6A	Cd	50.69845	50.48847	50.90843	0.58572	ug/L	09/30/10	07:46	
61650-6A	Co	544.86230	543.62426	546.10034	0.32133	ug/L	09/30/10	07:46	
61650-6A	Cr	205.01298	204.37422	205.65174	0.44062	ug/L	09/30/10	07:46	
61650-6A	Cu	255.67495	254.74003	256.60986	0.51712	ug/L	09/30/10	07:46	
61650-6A	Fe	6758.39746	6736.84521	6779.95019	0.45099	ug/L	09/30/10	07:46	
61650-6A	2Fe	6.75776	6.73621	6.77931	0.45099	mg/L	09/30/10	07:46	
61650-6A	K	5296.07519	5289.89648	5302.25341	0.16498	ug/L	09/30/10	07:46	
61650-6A	Mg	6334.36914	6302.37207	6366.36669	0.71437	ug/L	09/30/10	07:46	
61650-6A	2Mg	6.33244	6.30045	6.36443	0.71438	mg/L	09/30/10	07:46	
61650-6A	Mn	2292.48583	2284.13793	2300.83398	0.51498	ug/L	09/30/10	07:46	
61650-6A	Mo	254.52488	253.82640	255.22337	0.38809	ug/L	09/30/10	07:46	
61650-6A	Na	9067.83496	9111.05468	9024.61523	0.67405	ug/L	09/30/10	07:46	
61650-6A	Ni	533.59924	529.58593	537.61260	1.06366	ug/L	09/30/10	07:46	
61650-6A	Pb	493.26464	492.56613	493.96319	0.20027	ug/L	09/30/10	07:46	
61650-6A	Se	1933.65307	1922.99682	1944.30932	0.77936	ug/L	09/30/10	07:46	
61650-6A	Sb	478.85574	477.03305	480.67843	0.53829	ug/L	09/30/10	07:46	
61650-6A	Sn	528.08203	526.67584	529.48828	0.37658	ug/L	09/30/10	07:46	
61650-6A	Sr	338.06198	338.03530	338.08865	0.01115	ug/L	09/30/10	07:46	
61650-6A	Ti	544.28826	542.22003	546.35650	0.53738	ug/L	09/30/10	07:46	
61650-6A	Tl	2042.15966	2026.96032	2057.35913	1.05257	ug/L	09/30/10	07:46	
61650-6A	V	497.21478	494.84884	499.58068	0.67293	ug/L	09/30/10	07:46	
61650-6A	Zn	542.83874	539.12591	546.55157	0.96727	ug/L	09/30/10	07:46	
61650-6A	2203/1	499.52908	497.20407	501.85409	0.65823	ug/L	09/30/10	07:46	
61650-6A	2203/2	490.13714	490.25064	490.02368	0.03274	ug/L	09/30/10	07:46	
61650-6A	1960/1	1930.42736	1919.14086	1941.71386	0.82683	ug/L	09/30/10	07:46	
61650-6A	1960/2	1935.26367	1924.92199	1945.60522	0.75572	ug/L	09/30/10	07:46	
61650-6A	Y	1081.90283	1083.46484	1080.34082	0.20417		09/30/10	07:46	
CCV	Ag	500.24142	500.99774	499.48510	0.21381	ug/L	09/30/10	07:52	
CCV	Al	4965.65039	4968.89990	4962.40087	0.09254	ug/L	09/30/10	07:52	
CCV	2Al	4.96544	4.96869	4.96219	0.09256	mg/L	09/30/10	07:52	
CCV	As	501.63494	502.98190	500.28802	0.37973	ug/L	09/30/10	07:52	
CCV	B	5028.15234	5027.35058	5028.95361	0.02254	ug/L	09/30/10	07:52	
CCV	Ba	5035.80273	5041.14062	5030.46435	0.14991	ug/L	09/30/10	07:52	
CCV	Be	509.86502	509.84024	509.88980	0.00687	ug/L	09/30/10	07:52	
CCV	Ca	5098.76611	5105.31591	5092.21630	0.18166	ug/L	09/30/10	07:52	
CCV	Cd	510.93408	510.86016	511.00802	0.02046	ug/L	09/30/10	07:52	
CCV	Co	508.66790	508.78887	508.54690	0.03363	ug/L	09/30/10	07:52	
CCV	Cr	5099.90625	5105.49902	5094.31298	0.15509	ug/L	09/30/10	07:52	
CCV	Cu	4981.78417	4985.62304	4977.94531	0.10897	ug/L	09/30/10	07:52	
CCV	Fe	5003.88476	4999.40527	5008.36376	0.12659	ug/L	09/30/10	07:52	
CCV	2Fe	5.00389	4.99941	5.00836	0.12656	mg/L	09/30/10	07:52	
CCV	K	10185.29882	10162.13378	10208.46386	0.32164	ug/L	09/30/10	07:52	
CCV	Mg	5096.77441	5091.38720	5102.16113	0.14947	ug/L	09/30/10	07:52	
CCV	2Mg	5.09679	5.09141	5.10217	0.14931	mg/L	09/30/10	07:52	
CCV	Mn	5110.16015	5116.59179	5103.72851	0.17799	ug/L	09/30/10	07:52	
CCV	Mo	506.08346	505.99566	506.17126	0.02453	ug/L	09/30/10	07:52.	
CCV	Na	7787.91357	7653.93261	7921.89453	2.43297	ug/L	09/30/10	07:52	
CCV	Ni	2542.91210	2544.74536	2541.07910	0.10194	ug/L	09/30/10	07:52	
CCV	Pb	511.95526	512.27142	511.63909	0.08733	ug/L	09/30/10	07:52	
CCV	Se	5017.18603	5015.53173	5018.84033	0.04663	ug/L	09/30/10	07:52	
CCV	Sb	488.67437	487.00070	490.34808	0.48436	ug/L	09/30/10	07:52	
CCV	Sn	5093.67089	5101.24511	5086.09619	0.21029	ug/L	09/30/10	07:52	
CCV	Sr	2559.78808	2567.72851	2551.84741	0.43869	ug/L	09/30/10	07:52	
CCV	Ti	500.88061	501.18576	500.57543	0.08616	ug/L	09/30/10	07:52	
CCV	Tl	5104.49707	5111.93261	5097.06103	0.20601	ug/L	09/30/10	07:52	
CCV	V	5035.42968	5042.27343	5028.58593	0.19220	ug/L	09/30/10	07:52	
CCV	Zn	2570.34985	2575.67822	2565.02148	0.29316	ug/L	09/30/10	07:52	
CCV	2203/1	510.10705	509.79818	510.41595	0.08563	ug/L	09/30/10	07:52	
CCV	2203/2	512.87377	513.50195	512.24566	0.17320	ug/L	09/30/10	07:52	
CCV	1960/1	5009.06542	4976.59179	5041.53857	0.91682	ug/L	09/30/10	07:52	
CCV	1960/2	5021.24023	5034.97265	5007.50830	0.38676	ug/L	09/30/10	07:52	
CCV	Y	1072.31518	1072.81677	1071.81359	0.06615		09/30/10	07:52	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	1.40088	1.35501	1.44675	4.63078	ug/L	09/30/10	07:57	
CCB	Al	1.71252	-0.23844	3.66349	161.11213	ug/L	09/30/10	07:57	
CCB	2Al	0.00171	-0.00023	0.00366	161.11459	mg/L	09/30/10	07:57	
CCB	As	-1.02759	-2.47196	0.41678	198.78125	ug/L	09/30/10	07:57	
CCB	B	7.33472	9.42381	5.24563	40.27989	ug/L	09/30/10	07:57	
CCB	Ba	1.16988	0.76730	1.57245	48.66522	ug/L	09/30/10	07:57	
CCB	Be	0.12513	0.06675	0.18352	65.98027	ug/L	09/30/10	07:57	
CCB	Ca	1.79007	1.52365	2.05649	21.04824	ug/L	09/30/10	07:57	
CCB	Cd	0.40182	0.24361	0.56004	55.68320	ug/L	09/30/10	07:57	
CCB	Co	0.04537	-0.04024	0.13098	266.84768	ug/L	09/30/10	07:57	
CCB	Cr	1.16166	0.83690	1.48642	39.53644	ug/L	09/30/10	07:57	
CCB	Cu	-0.02388	-0.83682	0.78904	4812.88183	ug/L	09/30/10	07:57	
CCB	Fe	20.49609	13.12562	27.86656	50.85564	ug/L	09/30/10	07:57	
CCB	2Fe	0.02049	0.01312	0.02786	50.85536	mg/L	09/30/10	07:57	
CCB	K	55.70531	53.03887	58.37176	6.76940	ug/L	09/30/10	07:57	
CCB	Mg	7.69479	3.08161	12.30797	84.78480	ug/L	09/30/10	07:57	
CCB	2Mg	0.00768	0.00307	0.01230	84.80010	mg/L	09/30/10	07:57	
CCB	Mn	0.92545	0.44290	1.40800	73.73942	ug/L	09/30/10	07:57	
CCB	Mo	0.62939	-0.67424	1.93302	292.92117	ug/L	09/30/10	07:57	
CCB	Na	513.03942	464.06915	562.00970	13.49885	ug/L	09/30/10	07:57	
CCB	Ni	0.83737	0.45686	1.21787	64.26231	ug/L	09/30/10	07:57	
CCB	Pb	1.55926	1.35025	1.76827	18.95649	ug/L	09/30/10	07:57	
CCB	Se	4.14802	2.55107	5.74496	54.44573	ug/L	09/30/10	07:57	
CCB	Sb	2.79430	3.87007	1.71853	54.44515	ug/L	09/30/10	07:57	
CCB	Sn	2.04646	2.62711	1.46580	40.12628	ug/L	09/30/10	07:57	
CCB	Sr	0.43759	0.20133	0.67386	76.35445	ug/L	09/30/10	07:57	
CCB	Ti	0.21386	0.05175	0.37598	107.20122	ug/L	09/30/10	07:57	
CCB	Tl	5.10010	4.12698	6.07322	26.98376	ug/L	09/30/10	07:57	
CCB	V	2.85927	2.44658	3.27195	20.41147	ug/L	09/30/10	07:57	
CCB	Zn	0.64609	0.35643	0.93575	63.40355	ug/L	09/30/10	07:57	
CCB	2203/1	9.17751	9.89824	8.45678	11.10614	ug/L	09/30/10	07:57	
CCB	2203/2	-2.24414	-2.91732	-1.57096	42.42240	ug/L	09/30/10	07:57	
CCB	1960/1	11.77027	14.26131	9.27924	29.93009	ug/L	09/30/10	07:57	
CCB	1960/2	0.34261	-3.29526	3.98048	1501.62414	ug/L	09/30/10	07:57	
CCB	Y	1070.30444	1069.80725	1070.80163	0.06569		09/30/10	07:57	
61427-1	Ag	0.78014	0.25055	1.30974	96.00291	ug/L	09/30/10	08:02	
61427-1	Al	9.54004	4.31391	14.76618	77.47203	ug/L	09/30/10	08:02	
61427-1	2Al	0.00954	0.00431	0.01476	77.47187	mg/L	09/30/10	08:02	
61427-1	As	6.57354	5.48558	7.66150	23.40614	ug/L	09/30/10	08:02	
61427-1	B	30.25819	29.24493	31.27144	4.73578	ug/L	09/30/10	08:02	
61427-1	Ba	136.62074	136.69200	136.54948	0.07376	ug/L	09/30/10	08:02	
61427-1	Be	0.03554	0.01280	0.05829	90.49739	ug/L	09/30/10	08:02	
61427-1	Ca	31959.71484	31797.97656	32121.45312	0.71568	ug/L	09/30/10	08:02	
61427-1	Cd	-0.15779	-0.24399	-0.07158	77.26450	ug/L	09/30/10	08:02	
61427-1	Co	11.37569	10.77954	11.97183	7.41119	ug/L	09/30/10	08:02	
61427-1	Cr	2.05534	1.39692	2.71377	45.30371	ug/L	09/30/10	08:02	
61427-1	Cu	6.33658	6.07967	6.59349	5.73374	ug/L	09/30/10	08:02	
61427-1	Fe	148.92413	141.04545	156.80282	7.48175	ug/L	09/30/10	08:02	
61427-1	2Fe	0.14890	0.14103	0.15678	7.48176	mg/L	09/30/10	08:02	
61427-1	K	22272.83398	22377.75585	22167.91210	0.66620	ug/L	09/30/10	08:02	
61427-1	Mg	7837.20800	7784.57910	7889.83740	0.94968	ug/L	09/30/10	08:02	
61427-1	2Mg	7.83498	7.78236	7.88759	0.94966	mg/L	09/30/10	08:02	
61427-1	Mn	27.44674	27.26465	27.62882	0.93822	ug/L	09/30/10	08:02	
61427-1	Mo	0.66751	0.51789	0.81713	31.69870	ug/L	09/30/10	08:02	
61427-1	Na	53763.48828	53498.37109	54028.60546	0.69737	ug/L	09/30/10	08:02	
61427-1	Ni	1.16288	1.05196	1.27380	13.48959	ug/L	09/30/10	08:02	
61427-1	Pb	0.77461	0.95766	0.59156	33.41949	ug/L	09/30/10	08:02	
61427-1	Se	2.83134	1.19557	4.46711	81.70427	ug/L	09/30/10	08:02	
61427-1	Sb	2.05082	1.63718	2.46447	28.52424	ug/L	09/30/10	08:02	
61427-1	Sn	-0.93655	-0.52382	-1.34927	62.32265	ug/L	09/30/10	08:02	
61427-1	Sr	468.05276	467.45098	468.65454	0.18182	ug/L	09/30/10	08:02	
61427-1	Ti	0.29763	0.13542	0.45983	77.07275	ug/L	09/30/10	08:02	
61427-1	Tl	1.82307	-1.01422	4.66038	220.09757	ug/L	09/30/10	08:02	
61427-1	V	0.53504	0.27045	0.79963	69.93499	ug/L	09/30/10	08:02	
61427-1	Zn	199.51242	197.41473	201.61012	1.48691	ug/L	09/30/10	08:02	
61427-1	2203/1	6.03316	5.55718	6.50914	11.15726	ug/L	09/30/10	08:02	
61427-1	2203/2	-1.85071	-1.33864	-2.36278	39.12976	ug/L	09/30/10	08:02	
61427-1	1960/1	4.58184	0.64266	8.52102	121.58522	ug/L	09/30/10	08:02	
61427-1	1960/2	1.95741	1.47161	2.44320	35.09826	ug/L	09/30/10	08:02	
61427-1	Y	1071.59362	1075.43041	1067.75683	0.50635		09/30/10	08:02	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61427-1L	Ag	1.28126	1.39645	1.16606	12.71483	ug/L	09/30/10	08:07	
61427-1L	Al	-7.00694	-11.21424	-2.79965	84.91593	ug/L	09/30/10	08:07	
61427-1L	2Al	-0.00700	-0.01121	-0.00279	84.91598	mg/L	09/30/10	08:07	
61427-1L	As	-0.98038	-1.78799	-0.17277	116.49890	ug/L	09/30/10	08:07	
61427-1L	B	4.95401	3.65465	6.25337	37.09258	ug/L	09/30/10	08:07	
61427-1L	Ba	27.97933	28.29825	27.66042	1.61195	ug/L	09/30/10	08:07	
61427-1L	Be	0.04579	0.04401	0.04757	5.48795	ug/L	09/30/10	08:07	
61427-1L	Ca	6542.66406	6562.04492	6523.28320	0.41892	ug/L	09/30/10	08:07	
61427-1L	Cd	0.04872	0.06680	0.03065	52.46525	ug/L	09/30/10	08:07	
61427-1L	Co	1.52082	0.67638	2.36526	78.52415	ug/L	09/30/10	08:07	
61427-1L	Cr	0.11723	-0.90772	1.14220	1236.41333	ug/L	09/30/10	08:07	
61427-1L	Cu	-0.23531	-1.18053	0.70989	568.05932	ug/L	09/30/10	08:07	
61427-1L	Fe	45.94663	43.33206	48.56119	8.04750	ug/L	09/30/10	08:07	
61427-1L	2Fe	0.04594	0.04332	0.04855	8.04804	mg/L	09/30/10	08:07	
61427-1L	K	4278.92529	4314.33203	4243.51855	1.17021	ug/L	09/30/10	08:07	
61427-1L	Mg	1609.36059	1607.30822	1611.41308	0.18035	ug/L	09/30/10	08:07	
61427-1L	2Mg	1.60890	1.60684	1.61095	0.18032	mg/L	09/30/10	08:07	
61427-1L	Mn	5.46529	5.45587	5.47472	0.24385	ug/L	09/30/10	08:07	
61427-1L	Mo	0.29742	0.73934	-0.14449	210.12387	ug/L	09/30/10	08:07	
61427-1L	Na	10879.83398	11108.50683	10651.16113	2.97240	ug/L	09/30/10	08:07	
61427-1L	Ni	0.34531	0.51862	0.17199	70.98061	ug/L	09/30/10	08:07	
61427-1L	Pb	0.57859	0.09967	1.05750	117.05828	ug/L	09/30/10	08:07	
61427-1L	Se	2.82235	5.84463	-0.19992	151.43933	ug/L	09/30/10	08:07	
61427-1L	Sb	-0.07115	1.94977	-2.09207	4016.86376	ug/L	09/30/10	08:07	
61427-1L	Sn	-4.64629	-4.78850	-4.50408	4.32855	ug/L	09/30/10	08:07	
61427-1L	Sr	95.39701	95.93750	94.85652	0.80124	ug/L	09/30/10	08:07	
61427-1L	Ti	-0.35335	-0.57950	-0.12719	90.51257	ug/L	09/30/10	08:07	
61427-1L	Tl	2.22137	6.13259	-1.68983	249.00250	ug/L	09/30/10	08:07	
61427-1L	V	0.82325	1.35200	0.29451	90.82880	ug/L	09/30/10	08:07	
61427-1L	Zn	40.90764	40.30868	41.50660	2.07066	ug/L	09/30/10	08:07	
61427-1L	2203/1	10.11688	9.53248	10.70128	8.16924	ug/L	09/30/10	08:07	
61427-1L	2203/2	-4.18340	-4.60965	-3.75715	14.40959	ug/L	09/30/10	08:07	
61427-1L	1960/1	9.19442	6.75889	11.62995	37.46139	ug/L	09/30/10	08:07	
61427-1L	1960/2	-0.35890	5.38818	-6.10600	2264.53930	ug/L	09/30/10	08:07	
61427-1L	Y	1081.68725	1078.97680	1084.39758	0.35436		09/30/10	08:07	
61427-1A	Ag	41.42379	41.11494	41.73264	1.05442	ug/L	09/30/10	08:13	
61427-1A	Al	2012.27099	2019.33068	2005.21130	0.49615	ug/L	09/30/10	08:13	
61427-1A	2Al	2.01236	2.01942	2.00530	0.49614	mg/L	09/30/10	08:13	
61427-1A	As	1981.85913	1983.30529	1980.41308	0.10319	ug/L	09/30/10	08:13	
61427-1A	B	1055.99340	1054.79882	1057.18798	0.15998	ug/L	09/30/10	08:13	
61427-1A	Ba	2185.39648	2185.97290	2184.82031	0.03729	ug/L	09/30/10	08:13	
61427-1A	Be	50.60693	50.69869	50.51517	0.25643	ug/L	09/30/10	08:13	
61427-1A	Ca	37473.92187	37491.23437	37456.61328	0.06532	ug/L	09/30/10	08:13	
61427-1A	Cd	50.83149	51.08343	50.57955	0.70093	ug/L	09/30/10	08:13	
61427-1A	Co	524.85668	525.34259	524.37084	0.13091	ug/L	09/30/10	08:13	
61427-1A	Cr	207.96710	207.84826	208.08593	0.08081	ug/L	09/30/10	08:13	
61427-1A	Cu	259.63287	260.16372	259.10202	0.28915	ug/L	09/30/10	08:13	
61427-1A	Fe	1160.85620	1167.13269	1154.57971	0.76463	ug/L	09/30/10	08:13	
61427-1A	2Fe	1.16092	1.16720	1.15465	0.76451	mg/L	09/30/10	08:13	
61427-1A	K	27970.42187	27910.62500	28030.21875	0.30233	ug/L	09/30/10	08:13	
61427-1A	Mg	13254.89453	13257.59960	13252.18847	0.02886	ug/L	09/30/10	08:13	
61427-1A	2Mg	13.25119	13.25390	13.24849	0.02886	mg/L	09/30/10	08:13	
61427-1A	Mn	542.24749	543.06188	541.43310	0.21239	ug/L	09/30/10	08:13	
61427-1A	Mo	504.14944	503.40521	504.89367	0.20876	ug/L	09/30/10	08:13	
61427-1A	Na	60016.22656	60528.41015	59504.03906	1.20690	ug/L	09/30/10	08:13	
61427-1A	Ni	504.42687	505.04147	503.81225	0.17231	ug/L	09/30/10	08:13	
61427-1A	Pb	498.94488	500.03500	497.85479	0.30897	ug/L	09/30/10	08:13	
61427-1A	Se	1984.10107	1985.17309	1983.02905	0.07641	ug/L	09/30/10	08:13	
61427-1A	Sb	485.07272	486.45867	483.68676	0.40407	ug/L	09/30/10	08:13	
61427-1A	Sn	1049.42761	1049.45935	1049.39587	0.00427	ug/L	09/30/10	08:13	
61427-1A	Sr	1003.82696	1004.25958	1003.39434	0.06094	ug/L	09/30/10	08:13	
61427-1A	Ti	1021.18591	1021.05413	1021.31762	0.01824	ug/L	09/30/10	08:13	
61427-1A	Tl	2066.84912	2062.90820	2070.78979	0.26964	ug/L	09/30/10	08:13	
61427-1A	V	502.30041	502.67837	501.92242	0.10641	ug/L	09/30/10	08:13	
61427-1A	Zn	720.88854	721.05413	720.72302	0.03247	ug/L	09/30/10	08:13	
61427-1A	2203/1	500.58859	499.59158	501.58560	0.28166	ug/L	09/30/10	08:13	
61427-1A	2203/2	498.12426	500.25637	495.99218	0.60531	ug/L	09/30/10	08:13	
61427-1A	1960/1	1990.56262	1990.99572	1990.12951	0.03077	ug/L	09/30/10	08:13	
61427-1A	1960/2	1980.87426	1982.26538	1979.48327	0.09931	ug/L	09/30/10	08:13	
61427-1A	Y	1070.73120	1069.14721	1072.31518	0.20921		09/30/10	08:13	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61427-1S	Ag	52.25232	52.01571	52.48893	0.64038	ug/L	09/30/10	08:18	
61427-1S	Al	2089.72802	2089.20629	2090.25000	0.03531	ug/L	09/30/10	08:18	
61427-1S	2Al	2.08972	2.08930	2.09014	0.02850	mg/L	09/30/10	08:18	
61427-1S	As	2047.65405	2051.23803	2044.07019	0.24752	ug/L	09/30/10	08:18	
61427-1S	B	1083.01879	1084.90673	1081.13073	0.24653	ug/L	09/30/10	08:18	
61427-1S	Ba	2264.80053	2267.98120	2261.61987	0.19861	ug/L	09/30/10	08:18	
61427-1S	Be	52.29779	52.36052	52.23506	0.16962	ug/L	09/30/10	08:18	
61427-1S	Ca	37527.10156	37554.78125	37499.41796	0.10431	ug/L	09/30/10	08:18	
61427-1S	Cd	52.71948	52.59226	52.84670	0.34127	ug/L	09/30/10	08:18	
61427-1S	Co	543.58007	545.38140	541.77880	0.46863	ug/L	09/30/10	08:18	
61427-1S	Cr	215.06964	215.41697	214.72229	0.22839	ug/L	09/30/10	08:18	
61427-1S	Cu	268.99908	270.01333	267.98486	0.53321	ug/L	09/30/10	08:18	
61427-1S	Fe	1201.46691	1194.93737	1207.99645	0.76857	ug/L	09/30/10	08:18	
61427-1S	2Fe	1.20154	1.19501	1.20806	0.76834	mg/L	09/30/10	08:18	
61427-1S	K	28523.79687	28457.16210	28590.43164	0.33037	ug/L	09/30/10	08:18	
61427-1S	Mg	13236.64160	13254.85449	13218.42871	0.19458	ug/L	09/30/10	08:18	
61427-1S	2Mg	13.23295	13.25115	13.21474	0.19460	mg/L	09/30/10	08:18	
61427-1S	Mn	560.42260	561.32421	559.52093	0.22752	ug/L	09/30/10	08:18	
61427-1S	Mo	524.45520	525.97412	522.93627	0.40958	ug/L	09/30/10	08:18	
61427-1S	Na	60225.32031	60334.43359	60116.20703	0.25622	ug/L	09/30/10	08:18	
61427-1S	Ni	523.82934	523.54876	524.10998	0.07575	ug/L	09/30/10	08:18	
61427-1S	Pb	514.20922	515.65612	512.76226	0.39794	ug/L	09/30/10	08:18	
61427-1S	Se	2053.37963	2052.61328	2054.14599	0.05278	ug/L	09/30/10	08:18	
61427-1S	Sb	509.84790	509.22210	510.47369	0.17358	ug/L	09/30/10	08:18	
61427-1S	Sn	1053.90673	1053.84008	1053.97338	0.00894	ug/L	09/30/10	08:18	
61427-1S	Sr	1008.73657	1008.90997	1008.56323	0.02430	ug/L	09/30/10	08:18	
61427-1S	Ti	729.26428	730.17474	728.35388	0.17655	ug/L	09/30/10	08:18	
61427-1S	Tl	2117.29321	2124.89233	2109.69409	0.50757	ug/L	09/30/10	08:18	
61427-1S	V	519.90734	521.03643	518.77819	0.30713	ug/L	09/30/10	08:18	
61427-1S	Zn	737.04760	737.82983	736.26544	0.15008	ug/L	09/30/10	08:18	
61427-1S	2203/1	519.12451	522.88586	515.36315	1.02467	ug/L	09/30/10	08:18	
61427-1S	2203/2	511.75518	512.04663	511.46374	0.08053	ug/L	09/30/10	08:18	
61427-1S	1960/1	2060.39990	2064.46972	2056.33007	0.27934	ug/L	09/30/10	08:18	
61427-1S	1960/2	2049.87377	2046.69299	2053.05468	0.21944	ug/L	09/30/10	08:18	
61427-1S	Y	1085.77478	1084.52954	1087.02001	0.16219		09/30/10	08:18	
61427-1SD	Ag	52.93327	52.31849	53.54804	1.64248	ug/L	09/30/10	08:23	
61427-1SD	Al	2094.11621	2094.38964	2093.84277	0.01846	ug/L	09/30/10	08:23	
61427-1SD	2Al	2.09411	2.09428	2.09394	0.01148	mg/L	09/30/10	08:23	
61427-1SD	As	2062.64062	2059.98803	2065.29321	0.18187	ug/L	09/30/10	08:23	
61427-1SD	B	1091.64038	1093.56689	1089.71374	0.24958	ug/L	09/30/10	08:23	
61427-1SD	Ba	2271.14208	2273.95507	2268.32934	0.17515	ug/L	09/30/10	08:23	
61427-1SD	Be	52.55480	52.62205	52.48754	0.18097	ug/L	09/30/10	08:23	
61427-1SD	Ca	38174.04687	38207.60937	38140.48828	0.12432	ug/L	09/30/10	08:23	
61427-1SD	Cd	52.92929	52.78474	53.07384	0.38622	ug/L	09/30/10	08:23	
61427-1SD	Co	545.09326	545.83526	544.35125	0.19250	ug/L	09/30/10	08:23	
61427-1SD	Cr	215.61386	215.84220	215.38551	0.14977	ug/L	09/30/10	08:23	
61427-1SD	Cu	269.06494	268.98428	269.14559	0.04239	ug/L	09/30/10	08:23	
61427-1SD	Fe	1216.42480	1231.44665	1201.40283	1.74644	ug/L	09/30/10	08:23	
61427-1SD	2Fe	1.21649	1.23151	1.20147	1.74614	mg/L	09/30/10	08:23	
61427-1SD	K	28820.26953	28749.33007	28891.20898	0.34810	ug/L	09/30/10	08:23	
61427-1SD	Mg	13445.87890	13448.10546	13443.65234	0.02341	ug/L	09/30/10	08:23	
61427-1SD	2Mg	13.44212	13.44435	13.43990	0.02340	mg/L	09/30/10	08:23	
61427-1SD	Mn	563.37084	564.31524	562.42651	0.23706	ug/L	09/30/10	08:23	
61427-1SD	Mo	530.31469	528.86694	531.76245	0.38607	ug/L	09/30/10	08:23	
61427-1SD	Na	61556.53125	61777.50781	61335.55468	0.50767	ug/L	09/30/10	08:23	
61427-1SD	Ni	527.52954	528.42474	526.63433	0.23998	ug/L	09/30/10	08:23	
61427-1SD	Pb	518.76531	518.44805	519.08258	0.08648	ug/L	09/30/10	08:23	
61427-1SD	Se	2062.11914	2062.51684	2061.72167	0.02726	ug/L	09/30/10	08:23	
61427-1SD	Sb	509.19030	507.98944	510.39117	0.33352	ug/L	09/30/10	08:23	
61427-1SD	Sn	1061.13195	1063.51538	1058.74853	0.31764	ug/L	09/30/10	08:23	
61427-1SD	Sr	1017.57592	1020.35028	1014.80163	0.38557	ug/L	09/30/10	08:23	
61427-1SD	Ti	734.82788	735.15954	734.49627	0.06382	ug/L	09/30/10	08:23	
61427-1SD	Tl	2127.58056	2129.25024	2125.91088	0.11098	ug/L	09/30/10	08:23	
61427-1SD	V	520.91052	521.19952	520.62152	0.07846	ug/L	09/30/10	08:23	
61427-1SD	Zn	741.88610	742.82391	740.94824	0.17877	ug/L	09/30/10	08:23	
61427-1SD	2203/1	524.24536	525.80902	522.68176	0.42180	ug/L	09/30/10	08:23	
61427-1SD	2203/2	516.02941	514.77313	517.28570	0.34429	ug/L	09/30/10	08:23	
61427-1SD	1960/1	2068.47460	2078.79711	2058.15185	0.70575	ug/L	09/30/10	08:23	
61427-1SD	1960/2	2058.94580	2054.38818	2063.50317	0.31303	ug/L	09/30/10	08:23	
61427-1SD	Y	1063.97717	1061.84313	1066.11120	0.28365		09/30/10	08:23	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	491.95086	492.15841	491.74334	0.05966	ug/L	09/30/10	08:28	
CCV	Al	4889.97607	4895.73144	4884.22070	0.16644	ug/L	09/30/10	08:28	
CCV	2Al	4.89007	4.89572	4.88441	0.16355	mg/L	09/30/10	08:28	
CCV	As	494.03753	495.67669	492.39837	0.46921	ug/L	09/30/10	08:28	
CCV	B	4950.97753	4953.46337	4948.49121	0.07101	ug/L	09/30/10	08:28	
CCV	Ba	4959.79492	4963.34521	4956.24414	0.10123	ug/L	09/30/10	08:28	
CCV	Be	501.09289	502.04241	500.14337	0.26798	ug/L	09/30/10	08:28	
CCV	Ca	5019.08398	5024.55810	5013.60986	0.15424	ug/L	09/30/10	08:28	
CCV	Cd	501.28909	501.79025	500.78793	0.14138	ug/L	09/30/10	08:28	
CCV	Co	499.33520	500.59375	498.07666	0.35644	ug/L	09/30/10	08:28	
CCV	Cr	5007.44824	5018.63476	4996.26220	0.31592	ug/L	09/30/10	08:28	
CCV	Cu	4926.44482	4932.33154	4920.55810	0.16898	ug/L	09/30/10	08:28	
CCV	Fe	4921.58886	4923.23388	4919.94384	0.04726	ug/L	09/30/10	08:28	
CCV	2Fe	4.92159	4.92324	4.91994	0.04730	mg/L	09/30/10	08:28	
CCV	K	10061.23828	10043.51269	10078.96386	0.24915	ug/L	09/30/10	08:28	
CCV	Mg	5019.81738	5030.59619	5009.03857	0.30366	ug/L	09/30/10	08:28	
CCV	2Mg	5.01983	5.03061	5.00905	0.30368	mg/L	09/30/10	08:28	
CCV	Mn	5026.30175	5035.03271	5017.57128	0.24564	ug/L	09/30/10	08:28	
CCV	Mo	496.70330	497.21328	496.19332	0.14520	ug/L	09/30/10	08:28	
CCV	Na	7555.04345	7532.20751	7577.87939	0.42746	ug/L	09/30/10	08:28	
CCV	Ni	2504.14868	2507.18945	2501.10791	0.17172	ug/L	09/30/10	08:28	
CCV	Pb	501.14141	505.37298	496.90985	1.19414	ug/L	09/30/10	08:28	
CCV	Se	4932.37695	4953.86962	4910.88476	0.61623	ug/L	09/30/10	08:28	
CCV	Sb	484.10028	485.38485	482.81570	0.37526	ug/L	09/30/10	08:28	
CCV	Sn	4997.50195	5019.53662	4975.46777	0.62353	ug/L	09/30/10	08:28	
CCV	Sr	2509.71606	2511.71826	2507.71386	0.11282	ug/L	09/30/10	08:28	
CCV	Ti	492.68420	493.49862	491.86975	0.23377	ug/L	09/30/10	08:28	
CCV	Tl	5012.89257	5016.27246	5009.51269	0.09535	ug/L	09/30/10	08:28	
CCV	V	4958.42773	4963.83447	4953.02050	0.15421	ug/L	09/30/10	08:28	
CCV	Zn	2531.69189	2538.78076	2524.60278	0.39599	ug/L	09/30/10	08:28	
CCV	2203/1	506.52478	510.81939	502.23019	1.19904	ug/L	09/30/10	08:28	
CCV	2203/2	498.44970	502.64978	494.24960	1.19165	ug/L	09/30/10	08:28	
CCV	1960/1	4935.26757	4946.95068	4923.58447	0.33478	ug/L	09/30/10	08:28	
CCV	1960/2	4930.93457	4957.32421	4904.54443	0.75687	ug/L	09/30/10	08:28	
CCV	Y	1097.00366	1095.63525	1098.37194	0.17640		09/30/10	08:28	
CCB	Ag	0.80136	0.98540	0.61731	32.47962	ug/L	09/30/10	08:33	
CCB	Al	-8.16331	-7.93558	-8.39104	3.94518	ug/L	09/30/10	08:33	
CCB	2Al	-0.00816	-0.00793	-0.00839	3.94528	mg/L	09/30/10	08:33	
CCB	As	-1.26769	-2.13051	-0.40488	96.25361	ug/L	09/30/10	08:33	
CCB	B	8.59608	9.84088	7.35128	20.47919	ug/L	09/30/10	08:33	
CCB	Ba	0.96651	0.50174	1.43129	68.00627	ug/L	09/30/10	08:33	
CCB	Be	0.14130	0.10512	0.17748	36.20827	ug/L	09/30/10	08:33	
CCB	Ca	2.52862	1.95493	3.10231	32.08553	ug/L	09/30/10	08:33	
CCB	Cd	0.06668	-0.07248	0.20585	295.15652	ug/L	09/30/10	08:33	
CCB	Co	-0.39642	-0.53387	-0.25897	49.03457	ug/L	09/30/10	08:33	
CCB	Cr	0.56965	0.02196	1.11734	135.96777	ug/L	09/30/10	08:33	
CCB	Cu	-0.62174	-1.38811	0.14461	174.31462	ug/L	09/30/10	08:33	
CCB	Fe	15.35860	13.09664	17.62056	20.82799	ug/L	09/30/10	08:33	
CCB	2Fe	0.01535	0.01309	0.01761	20.82875	mg/L	09/30/10	08:33	
CCB	K	41.55982	43.60823	39.51143	6.97036	ug/L	09/30/10	08:33	
CCB	Mg	-1.52518	0.00473	-3.05510	141.86024	ug/L	09/30/10	08:33	
CCB	2Mg	-0.00152	0.00000	-0.00305	141.65997	mg/L	09/30/10	08:33	
CCB	Mn	0.71468	0.32209	1.10727	77.68531	ug/L	09/30/10	08:33	
CCB	Mo	1.40982	1.78145	1.03819	37.27874	ug/L	09/30/10	08:33	
CCB	Na	430.85137	414.57778	447.12493	5.34158	ug/L	09/30/10	08:33	
CCB	Ni	0.35631	0.05220	0.66043	120.70077	ug/L	09/30/10	08:33	
CCB	Pb	1.11331	0.13825	2.08837	123.85863	ug/L	09/30/10	08:33	
CCB	Se	7.57282	8.43257	6.71306	16.05572	ug/L	09/30/10	08:33	
CCB	Sb	1.71219	4.75336	-1.32898	251.19110	ug/L	09/30/10	08:33	
CCB	Sn	2.33523	4.13724	0.53322	109.12915	ug/L	09/30/10	08:33	
CCB	Sr	0.32659	0.13596	0.51721	82.54444	ug/L	09/30/10	08:33	
CCB	Ti	0.14952	0.13873	0.16032	10.20942	ug/L	09/30/10	08:33	
CCB	Tl	6.20815	4.07217	8.34413	48.65755	ug/L	09/30/10	08:33	
CCB	V	1.84823	1.35846	2.33799	37.47545	ug/L	09/30/10	08:33	
CCB	Zn	0.19401	-0.15977	0.54780	257.88085	ug/L	09/30/10	08:33	
CCB	2203/1	3.92828	6.09276	1.76380	77.92286	ug/L	09/30/10	08:33	
CCB	2203/2	-0.29205	-2.83452	2.25041	1231.13476	ug/L	09/30/10	08:33	
CCB	1960/1	9.96535	7.32660	12.60410	37.44733	ug/L	09/30/10	08:33	
CCB	1960/2	6.37834	8.98472	3.77196	57.78892	ug/L	09/30/10	08:33	
CCB	Y	1073.00598	1072.92236	1073.08959	0.01102		09/30/10	08:33	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	503.43588	505.42367	501.44808	0.55839	ug/L	09/30/10	09:56	
CCV	Al	5044.81152	5041.37402	5048.24902	0.09636	ug/L	09/30/10	09:56	
CCV	2Al	5.04470	5.04095	5.04845	0.10510	mg/L	09/30/10	09:56	
CCV	As	501.06896	504.08666	498.05130	0.85170	ug/L	09/30/10	09:56	
CCV	B	5044.57128	5047.03076	5042.11181	0.06894	ug/L	09/30/10	09:56	
CCV	Ba	5057.61914	5059.01806	5056.22021	0.03911	ug/L	09/30/10	09:56	
CCV	Be	508.75518	510.32723	507.18316	0.43698	ug/L	09/30/10	09:56	
CCV	Ca	5143.86767	5157.09130	5130.64404	0.36355	ug/L	09/30/10	09:56	
CCV	Cd	511.30587	510.70989	511.90185	0.16484	ug/L	09/30/10	09:56	
CCV	Co	509.90325	510.31484	509.49163	0.11415	ug/L	09/30/10	09:56	
CCV	Cr	5106.80957	5118.08740	5095.53222	0.31230	ug/L	09/30/10	09:56	
CCV	Cu	5013.34863	5018.73730	5007.96044	0.15200	ug/L	09/30/10	09:56	
CCV	Fe	5049.91699	5066.41308	5033.42041	0.46197	ug/L	09/30/10	09:56	
CCV	2Fe	5.04992	5.06641	5.03342	0.46193	mg/L	09/30/10	09:56	
CCV	K	10352.41210	10352.35546	10352.46972	0.00078	ug/L	09/30/10	09:56	
CCV	Mg	5144.20068	5155.80224	5132.59912	0.31894	ug/L	09/30/10	09:56	
CCV	2Mg	5.14420	5.15580	5.13260	0.31893	mg/L	09/30/10	09:56	
CCV	Mn	5121.45654	5134.25488	5108.65820	0.35340	ug/L	09/30/10	09:56	
CCV	Mo	505.25918	506.74472	503.77365	0.41579	ug/L	09/30/10	09:56	
CCV	Na	7658.44824	7574.14501	7742.75097	1.55674	ug/L	09/30/10	09:56	
CCV	Ni	2559.54443	2568.17138	2550.91723	0.47666	ug/L	09/30/10	09:56	
CCV	Pb	515.21203	516.37677	514.04724	0.31971	ug/L	09/30/10	09:56	
CCV	Se	5054.51464	5077.52685	5031.50292	0.64385	ug/L	09/30/10	09:56	
CCV	Sb	496.68316	499.36618	494.00015	0.76393	ug/L	09/30/10	09:56	
CCV	Sn	5104.67675	5124.11523	5085.23828	0.53852	ug/L	09/30/10	09:56	
CCV	Sr	2550.52905	2552.02001	2549.03808	0.08267	ug/L	09/30/10	09:56	
CCV	Ti	501.87246	502.77255	500.97238	0.25363	ug/L	09/30/10	09:56	
CCV	Tl	5095.25781	5103.41601	5087.09912	0.22644	ug/L	09/30/10	09:56	
CCV	V	5075.87695	5082.45800	5069.29589	0.18335	ug/L	09/30/10	09:56	
CCV	Zn	2585.39770	2593.93579	2576.85961	0.46703	ug/L	09/30/10	09:56	
CCV	2203/1	522.21740	526.08190	518.35290	1.04654	ug/L	09/30/10	09:56	
CCV	2203/2	511.71038	511.52728	511.89349	0.05060	ug/L	09/30/10	09:56	
CCV	1960/1	5088.06054	5114.95751	5061.16308	0.74760	ug/L	09/30/10	09:56	
CCV	1960/2	5037.76757	5058.83984	5016.69482	0.59155	ug/L	09/30/10	09:56	
CCV	Y	1058.83361	1055.48083	1062.18640	0.44780		09/30/10	09:56	
CCB	Ag	0.87014	0.80132	0.93896	11.18505	ug/L	09/30/10	10:03	
CCB	Al	-11.29444	-16.84327	-5.74560	69.47875	ug/L	09/30/10	10:03	
CCB	2Al	-0.01129	-0.01684	-0.00574	69.47866	mg/L	09/30/10	10:03	
CCB	As	-0.67498	-1.96657	0.61660	270.61209	ug/L	09/30/10	10:03	
CCB	B	3.46705	4.49841	2.43569	42.06927	ug/L	09/30/10	10:03	
CCB	Ba	0.18148	0.23792	0.12505	43.97708	ug/L	09/30/10	10:03	
CCB	Be	0.06677	0.06860	0.06494	3.87968	ug/L	09/30/10	10:03	
CCB	Ca	2.13805	3.13453	1.14156	65.91228	ug/L	09/30/10	10:03	
CCB	Cd	0.13824	0.29506	-0.01856	160.41078	ug/L	09/30/10	10:03	
CCB	Co	-0.71422	-0.81094	-0.61750	19.15143	ug/L	09/30/10	10:03	
CCB	Cr	-0.50600	-0.87087	-0.14113	101.97579	ug/L	09/30/10	10:03	
CCB	Cu	-1.08283	-1.51425	-0.65140	56.34580	ug/L	09/30/10	10:03	
CCB	Fe	1.22059	7.45631	-5.01511	722.48449	ug/L	09/30/10	10:03	
CCB	2Fe	0.00122	0.00745	-0.00501	722.54766	mg/L	09/30/10	10:03	
CCB	K	32.57401	58.17467	6.97335	111.14627	ug/L	09/30/10	10:03	
CCB	Mg	-6.12907	-9.20472	-3.05341	70.96722	ug/L	09/30/10	10:03	
CCB	2Mg	-0.00612	-0.00920	-0.00305	70.99031	mg/L	09/30/10	10:03	
CCB	Mn	-0.02332	-0.07044	0.02380	285.76852	ug/L	09/30/10	10:03	
CCB	Mo	1.11196	1.41032	0.81359	37.94646	ug/L	09/30/10	10:03	
CCB	Na	381.90350	528.67749	235.12951	54.35136	ug/L	09/30/10	10:03	
CCB	Ni	0.57098	0.93868	0.20328	91.07102	ug/L	09/30/10	10:03	
CCB	Pb	0.53983	1.28421	-0.20453	195.00465	ug/L	09/30/10	10:03	
CCB	Se	5.37927	7.48811	3.27043	55.44154	ug/L	09/30/10	10:03	
CCB	Sb	-0.03071	-0.39972	0.33829	1698.89648	ug/L	09/30/10	10:03	
CCB	Sn	-2.09263	-3.10670	-1.07857	68.53076	ug/L	09/30/10	10:03	
CCB	Sr	-0.05470	-0.05793	-0.05146	8.35874	ug/L	09/30/10	10:03	
CCB	Ti	-0.14060	-0.16327	-0.11793	22.79932	ug/L	09/30/10	10:03	
CCB	Tl	0.64691	4.41011	-3.11628	822.66809	ug/L	09/30/10	10:03	
CCB	V	1.12260	1.19883	1.04637	9.60313	ug/L	09/30/10	10:03	
CCB	Zn	-0.51391	-0.93172	-0.09611	114.97315	ug/L	09/30/10	10:03	
CCB	2203/1	7.07922	12.61926	1.53919	110.67301	ug/L	09/30/10	10:03	
CCB	2203/2	-2.72495	-4.37482	-1.07509	85.62536	ug/L	09/30/10	10:03	
CCB	1960/1	11.05090	15.13399	6.96782	52.25227	ug/L	09/30/10	10:03	
CCB	1960/2	2.54770	3.67090	1.42450	62.34809	ug/L	09/30/10	10:03	
CCB	Y	1075.18408	1072.41198	1077.95605	0.36461		09/30/10	10:03	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-1 1/5	Ag	1.26632	2.51994	0.01271	140.00119	ug/L	09/30/10	10:09	
61589-1 1/5	Al	64430.23437	65773.45312	63087.01562	2.94830	ug/L	09/30/10	10:09	
61589-1 1/5	2Al	64.43157	65.77612	63.08701	2.95116	mg/L	09/30/10	10:09	
61589-1 1/5	As	6.39496	7.96050	4.82942	34.62108	ug/L	09/30/10	10:09	
61589-1 1/5	B	54.45116	55.43093	53.47138	2.54468	ug/L	09/30/10	10:09	
61589-1 1/5	Ba	366.67315	374.24325	359.10302	2.91970	ug/L	09/30/10	10:09	
61589-1 1/5	Be	4.24230	4.36673	4.11787	4.14796	ug/L	09/30/10	10:09	
61589-1 1/5	Ca	57079.75781	58176.44921	55983.07031	2.71716	ug/L	09/30/10	10:09	
61589-1 1/5	Cd	0.37421	0.56037	0.18805	70.35229	ug/L	09/30/10	10:09	
61589-1 1/5	Co	16.33263	16.52734	16.13792	1.68595	ug/L	09/30/10	10:09	
61589-1 1/5	Cr	56.87744	57.96155	55.79333	2.69556	ug/L	09/30/10	10:09	
61589-1 1/5	Cu	23.60005	23.82808	23.37203	1.36641	ug/L	09/30/10	10:09	
61589-1 1/5	Fe	71295.14843	72619.24218	69971.05468	2.62647	ug/L	09/30/10	10:09	
61589-1 1/5	2Fe	71.28450	72.61004	69.95895	2.62975	mg/L	09/30/10	10:09	
61589-1 1/5	K	10913.08007	11221.43847	10604.72070	3.99598	ug/L	09/30/10	10:09	
61589-1 1/5	Mg	8663.58593	8842.75488	8484.41601	2.92469	ug/L	09/30/10	10:09	
61589-1 1/5	2Mg	8.65015	8.82906	8.47124	2.92506	mg/L	09/30/10	10:09	
61589-1 1/5	Mn	3382.94189	3444.69995	3321.18359	2.58175	ug/L	09/30/10	10:09	
61589-1 1/5	Mo	2.11398	3.50042	0.72753	92.75068	ug/L	09/30/10	10:09	
61589-1 1/5	Na	641.77026	901.96392	381.57656	57.33662	ug/L	09/30/10	10:09	
61589-1 1/5	Ni	69.41673	72.19532	66.63815	5.66075	ug/L	09/30/10	10:09	
61589-1 1/5	Pb	64.93688	66.21700	63.65675	2.78788	ug/L	09/30/10	10:09	
61589-1 1/5	Se	3.87547	6.80481	0.94614	106.89543	ug/L	09/30/10	10:09	
61589-1 1/5	Sb	3.10692	6.20480	0.00904	141.00981	ug/L	09/30/10	10:09	
61589-1 1/5	Sn	2.63020	7.26864	-2.00822	249.40010	ug/L	09/30/10	10:09	
61589-1 1/5	Sr	433.78149	441.68460	425.87841	2.57656	ug/L	09/30/10	10:09	
61589-1 1/5	Ti	267.72817	272.95364	262.50271	2.76023	ug/L	09/30/10	10:09	
61589-1 1/5	Tl	7.60978	14.71198	0.50757	131.98851	ug/L	09/30/10	10:09	
61589-1 1/5	V	75.57357	78.11782	73.02931	4.76108	ug/L	09/30/10	10:09	
61589-1 1/5	Zn	118.52662	120.33171	116.72154	2.15376	ug/L	09/30/10	10:09	
61589-1 1/5	2203/1	77.85441	85.14857	70.56025	13.24972	ug/L	09/30/10	10:09	
61589-1 1/5	2203/2	58.48779	56.76541	60.21017	4.16466	ug/L	09/30/10	10:09	
61589-1 1/5	1960/1	10.33366	16.49919	4.16813	84.37834	ug/L	09/30/10	10:09	
61589-1 1/5	1960/2	0.65122	1.96489	-0.66244	285.27792	ug/L	09/30/10	10:09	
61589-1 1/5	Y	1122.79638	1121.69201	1123.90075	0.13910		09/30/10	10:09	
61589-1 1/2	Ag	0.86884	1.05833	0.67935	30.84334	ug/L	09/30/10	10:15	
61589-1 1/2	Al	158169.98437	158047.92187	158292.04687	0.10913	ug/L	09/30/10	10:15	
61589-1 1/2	2Al	158.17068	158.04373	158.29763	0.11350	mg/L	09/30/10	10:15	
61589-1 1/2	As	28.30506	27.14874	29.46138	5.77734	ug/L	09/30/10	10:15	
61589-1 1/2	B	132.40426	132.79826	132.01025	0.42083	ug/L	09/30/10	10:15	
61589-1 1/2	Ba	894.39318	895.59619	893.19012	0.19022	ug/L	09/30/10	10:15	
61589-1 1/2	Be	10.15683	10.16511	10.14854	0.11535	ug/L	09/30/10	10:15	
61589-1 1/2	Ca	138882.60937	138983.39062	138781.82812	0.10262	ug/L	09/30/10	10:15	
61589-1 1/2	Cd	1.44028	1.48359	1.39697	4.25274	ug/L	09/30/10	10:15	
61589-1 1/2	Co	41.09138	41.30515	40.87762	0.73570	ug/L	09/30/10	10:15	
61589-1 1/2	Cr	138.49407	138.79161	138.19656	0.30381	ug/L	09/30/10	10:15	
61589-1 1/2	Cu	59.56162	59.82712	59.29611	0.63040	ug/L	09/30/10	10:15	
61589-1 1/2	Fe	171155.93750	171352.45312	170959.40625	0.16238	ug/L	09/30/10	10:15	
61589-1 1/2	2Fe	171.12701	171.31829	170.93571	0.15808	mg/L	09/30/10	10:15	
61589-1 1/2	K	27613.44531	27646.64062	27580.25000	0.17000	ug/L	09/30/10	10:15	
61589-1 1/2	Mg	20868.91406	20888.27929	20849.55078	0.13122	ug/L	09/30/10	10:15	
61589-1 1/2	2Mg	20.83663	20.85596	20.81730	0.13118	mg/L	09/30/10	10:15	
61589-1 1/2	Mn	8085.10839	8094.68847	8075.52880	0.16756	ug/L	09/30/10	10:15	
61589-1 1/2	Mo	2.41978	4.32799	0.51158	111.52239	ug/L	09/30/10	10:15	
61589-1 1/2	Na	1134.74072	1211.02453	1058.45703	9.50715	ug/L	09/30/10	10:15	
61589-1 1/2	Ni	163.37034	163.29939	163.44129	0.06142	ug/L	09/30/10	10:15	
61589-1 1/2	Pb	156.21374	157.75703	154.67047	1.39714	ug/L	09/30/10	10:15	
61589-1 1/2	Se	6.95223	4.08215	9.82232	58.38283	ug/L	09/30/10	10:15	
61589-1 1/2	Sb	2.89710	4.52867	1.26553	79.64476	ug/L	09/30/10	10:15	
61589-1 1/2	Sn	10.39106	10.07257	10.70956	4.33470	ug/L	09/30/10	10:15	
61589-1 1/2	Sr	1045.67285	1046.83325	1044.51257	0.15692	ug/L	09/30/10	10:15	
61589-1 1/2	Ti	675.41326	676.40661	674.41992	0.20799	ug/L	09/30/10	10:15	
61589-1 1/2	Tl	2.67769	-0.85707	6.21246	186.68736	ug/L	09/30/10	10:15	
61589-1 1/2	V	182.18836	182.59208	181.78465	0.31338	ug/L	09/30/10	10:15	
61589-1 1/2	Zn	283.51693	284.33911	282.69476	0.41010	ug/L	09/30/10	10:15	
61589-1 1/2	2203/1	172.58950	172.49090	172.68811	0.08079	ug/L	09/30/10	10:15	
61589-1 1/2	2203/2	148.03814	150.40113	145.67515	2.25737	ug/L	09/30/10	10:15	
61589-1 1/2	1960/1	10.46569	5.06286	15.86852	73.00758	ug/L	09/30/10	10:15	
61589-1 1/2	1960/2	5.19814	3.59253	6.80375	43.68252	ug/L	09/30/10	10:15	
61589-1 1/2	Y	1172.77160	1170.10083	1175.44238	0.32206		09/30/10	10:15	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-2 1/2	Ag	0.46803	-0.35049	1.28655	247.32740	ug/L	09/30/10	10:19	
61589-2 1/2	Al	115805.89062	115820.41406	115791.37500	0.01773	ug/L	09/30/10	10:19	
61589-2 1/2	2Al	115.80744	115.81922	115.79568	0.01437	mg/L	09/30/10	10:19	
61589-2 1/2	As	25.35272	24.62820	26.07723	4.04146	ug/L	09/30/10	10:19	
61589-2 1/2	B	92.34434	91.95904	92.72964	0.59006	ug/L	09/30/10	10:19	
61589-2 1/2	Ba	682.27990	682.70867	681.85107	0.08888	ug/L	09/30/10	10:19	
61589-2 1/2	Be	8.58725	8.59999	8.57451	0.20978	ug/L	09/30/10	10:19	
61589-2 1/2	Ca	118787.69531	118958.14843	118617.24218	0.20293	ug/L	09/30/10	10:19	
61589-2 1/2	Cd	1.48149	1.41066	1.55233	6.76157	ug/L	09/30/10	10:19	
61589-2 1/2	Co	62.03746	62.11082	61.96409	0.16724	ug/L	09/30/10	10:19	
61589-2 1/2	Cr	95.30211	95.65631	94.94791	0.52561	ug/L	09/30/10	10:19	
61589-2 1/2	Cu	54.06683	53.85359	54.28007	0.55777	ug/L	09/30/10	10:19	
61589-2 1/2	Fe	141618.40625	141949.70312	141287.12500	0.33082	ug/L	09/30/10	10:19	
61589-2 1/2	2Fe	141.59606	141.92387	141.26824	0.32740	mg/L	09/30/10	10:19	
61589-2 1/2	K	18592.99609	18527.91210	18658.07812	0.49503	ug/L	09/30/10	10:19	
61589-2 1/2	Mg	14744.40039	14770.19140	14718.60937	0.24737	ug/L	09/30/10	10:19	
61589-2 1/2	2Mg	14.71898	14.74471	14.69324	0.24725	mg/L	09/30/10	10:19	
61589-2 1/2	Mn	7955.18408	7973.67285	7936.69531	0.32867	ug/L	09/30/10	10:19	
61589-2 1/2	Mo	2.95863	3.41008	2.50719	21.57868	ug/L	09/30/10	10:19	
61589-2 1/2	Na	826.53234	982.35162	670.71301	26.66099	ug/L	09/30/10	10:19	
61589-2 1/2	Ni	130.72247	131.19927	130.24565	0.51583	ug/L	09/30/10	10:19	
61589-2 1/2	Pb	145.97950	143.70249	148.25651	2.20590	ug/L	09/30/10	10:19	
61589-2 1/2	Se	6.96949	8.49291	5.44606	30.91250	ug/L	09/30/10	10:19	
61589-2 1/2	Sb	-0.49170	-1.14797	0.16456	188.75314	ug/L	09/30/10	10:19	
61589-2 1/2	Sn	2.85389	2.39335	3.31443	22.82159	ug/L	09/30/10	10:19	
61589-2 1/2	Sr	988.95733	990.07482	987.83984	0.15980	ug/L	09/30/10	10:19	
61589-2 1/2	Ti	602.51220	603.02209	602.00238	0.11967	ug/L	09/30/10	10:19	
61589-2 1/2	Tl	9.41996	12.20036	6.63957	41.74192	ug/L	09/30/10	10:19	
61589-2 1/2	V	145.33285	145.99751	144.66818	0.64677	ug/L	09/30/10	10:19	
61589-2 1/2	Zn	250.76359	251.91128	249.61590	0.64725	ug/L	09/30/10	10:19	
61589-2 1/2	2203/1	161.42004	160.25765	162.58242	1.01837	ug/L	09/30/10	10:19	
61589-2 1/2	2203/2	138.27081	135.43733	141.10429	2.89804	ug/L	09/30/10	10:19	
61589-2 1/2	1960/1	11.03054	9.92436	12.13671	14.18209	ug/L	09/30/10	10:19	
61589-2 1/2	1960/2	4.94201	7.77825	2.10576	81.16249	ug/L	09/30/10	10:19	
61589-2 1/2	Y	1236.52319	1236.49682	1236.54956	0.00301		09/30/10	10:19	
61589-4 1/2	Ag	0.90840	0.64248	1.17432	41.39812	ug/L	09/30/10	10:25	
61589-4 1/2	Al	130548.34375	130986.10937	130110.57031	0.47423	ug/L	09/30/10	10:25	
61589-4 1/2	2Al	130.54751	130.98419	130.11083	0.47304	mg/L	09/30/10	10:25	
61589-4 1/2	As	41.32925	40.07717	42.58134	4.28440	ug/L	09/30/10	10:25	
61589-4 1/2	B	113.32394	114.75310	111.89477	1.78351	ug/L	09/30/10	10:25	
61589-4 1/2	Ba	666.77514	668.72668	664.82366	0.41390	ug/L	09/30/10	10:25	
61589-4 1/2	Be	8.69204	8.72151	8.66257	0.47945	ug/L	09/30/10	10:25	
61589-4 1/2	Ca	171987.68750	172653.95312	171321.43750	0.54784	ug/L	09/30/10	10:25	
61589-4 1/2	Cd	1.26205	1.24700	1.27710	1.68650	ug/L	09/30/10	10:25	
61589-4 1/2	Co	37.23892	37.28429	37.19357	0.17225	ug/L	09/30/10	10:25	
61589-4 1/2	Cr	115.16770	114.97244	115.36296	0.23977	ug/L	09/30/10	10:25	
61589-4 1/2	Cu	57.84822	58.52783	57.16862	1.66141	ug/L	09/30/10	10:25	
61589-4 1/2	Fe	172405.28125	173050.96875	171759.60937	0.52964	ug/L	09/30/10	10:25	
61589-4 1/2	2Fe	172.37388	173.01794	171.72982	0.52840	mg/L	09/30/10	10:25	
61589-4 1/2	K	22251.83593	22313.38671	22190.28710	0.39117	ug/L	09/30/10	10:25	
61589-4 1/2	Mg	17410.42187	17471.06054	17349.78320	0.49255	ug/L	09/30/10	10:25	
61589-4 1/2	2Mg	17.37918	17.43970	17.31865	0.49250	mg/L	09/30/10	10:25	
61589-4 1/2	Mn	8699.10839	8730.61816	8667.59863	0.51225	ug/L	09/30/10	10:25	
61589-4 1/2	Mo	6.65734	7.52445	5.79024	18.41983	ug/L	09/30/10	10:25	
61589-4 1/2	Na	1125.28198	1258.17517	992.38879	16.70153	ug/L	09/30/10	10:25	
61589-4 1/2	Ni	135.05204	136.15461	133.94947	1.15456	ug/L	09/30/10	10:25	
61589-4 1/2	Pb	139.52850	139.01258	140.04443	0.52292	ug/L	09/30/10	10:25	
61589-4 1/2	Se	5.92962	5.31965	6.53959	14.54778	ug/L	09/30/10	10:25	
61589-4 1/2	Sb	1.31580	2.38644	0.24516	115.07125	ug/L	09/30/10	10:25	
61589-4 1/2	Sn	9.67515	8.50832	10.84199	17.05551	ug/L	09/30/10	10:25	
61589-4 1/2	Sr	1066.95703	1067.56323	1066.35095	0.08034	ug/L	09/30/10	10:25	
61589-4 1/2	Ti	685.60961	688.79797	682.42120	0.65767	ug/L	09/30/10	10:25	
61589-4 1/2	Tl	4.52595	6.22737	2.82453	53.16370	ug/L	09/30/10	10:25	
61589-4 1/2	V	168.18069	168.81561	167.54579	0.53388	ug/L	09/30/10	10:25	
61589-4 1/2	Zn	298.08587	299.29385	296.87789	0.57310	ug/L	09/30/10	10:25	
61589-4 1/2	2203/1	151.73703	149.19499	154.27908	2.36922	ug/L	09/30/10	10:25	
61589-4 1/2	2203/2	133.43341	133.92901	132.93778	0.52528	ug/L	09/30/10	10:25	
61589-4 1/2	1960/1	9.05357	4.98859	13.11854	63.49693	ug/L	09/30/10	10:25	
61589-4 1/2	1960/2	4.36999	5.48493	3.25505	36.08164	ug/L	09/30/10	10:25	
61589-4 1/2	Y	1206.47119	1204.93115	1208.01123	0.18052		09/30/10	10:25	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-5 1/2	Ag	0.78892	0.04965	1.52818	132.52040	ug/L	09/30/10	10:31	
61589-5 1/2	Al	110733.68750	111041.18750	110426.18750	0.39271	ug/L	09/30/10	10:31	
61589-5 1/2	2Al	110.73463	111.04171	110.42755	0.39217	mg/L	09/30/10	10:31	
61589-5 1/2	As	22.68031	23.82308	21.53755	7.12561	ug/L	09/30/10	10:31	
61589-5 1/2	B	97.05906	96.85775	97.26036	0.29331	ug/L	09/30/10	10:31	
61589-5 1/2	Ba	571.40942	572.34973	570.46917	0.23271	ug/L	09/30/10	10:31	
61589-5 1/2	Be	8.64820	8.66661	8.62979	0.30103	ug/L	09/30/10	10:31	
61589-5 1/2	Ca	131041.59375	131135.28125	130947.89843	0.10111	ug/L	09/30/10	10:31	
61589-5 1/2	Cd	0.93791	0.97374	0.90208	5.40269	ug/L	09/30/10	10:31	
61589-5 1/2	Co	51.62514	51.21362	52.03667	1.12731	ug/L	09/30/10	10:31	
61589-5 1/2	Cr	97.87995	97.73247	98.02744	0.21309	ug/L	09/30/10	10:31	
61589-5 1/2	Cu	59.12855	59.02566	59.23144	0.24608	ug/L	09/30/10	10:31	
61589-5 1/2	Fe	153094.21875	153241.71875	152946.73437	0.13624	ug/L	09/30/10	10:31	
61589-5 1/2	2Fe	153.06893	153.21545	152.92243	0.13535	mg/L	09/30/10	10:31	
61589-5 1/2	K	19937.65429	19984.99609	19890.31250	0.33580	ug/L	09/30/10	10:31	
61589-5 1/2	Mg	16362.25000	16385.06054	16339.43847	0.19715	ug/L	09/30/10	10:31	
61589-5 1/2	2Mg	16.33430	16.35709	16.31152	0.19725	mg/L	09/30/10	10:31	
61589-5 1/2	Mn	7850.44726	7858.76513	7842.12890	0.14984	ug/L	09/30/10	10:31	
61589-5 1/2	Mo	1.54250	0.83024	2.25476	65.30214	ug/L	09/30/10	10:31	
61589-5 1/2	Na	631.46331	695.33709	567.58953	14.30505	ug/L	09/30/10	10:31	
61589-5 1/2	Ni	127.57263	127.76512	127.38013	0.21339	ug/L	09/30/10	10:31	
61589-5 1/2	Pb	148.75801	148.43995	149.07606	0.30236	ug/L	09/30/10	10:31	
61589-5 1/2	Se	6.45335	6.45097	6.45572	0.05213	ug/L	09/30/10	10:31	
61589-5 1/2	Sb	-0.90860	-2.01952	0.20230	172.90959	ug/L	09/30/10	10:31	
61589-5 1/2	Sn	5.78598	6.08135	5.49061	7.21951	ug/L	09/30/10	10:31	
61589-5 1/2	Sr	862.25036	863.61450	860.88623	0.22373	ug/L	09/30/10	10:31	
61589-5 1/2	Ti	522.52075	523.15228	521.88922	0.17092	ug/L	09/30/10	10:31	
61589-5 1/2	Tl	7.58089	6.70493	8.45685	16.34095	ug/L	09/30/10	10:31	
61589-5 1/2	V	144.04281	143.97845	144.10717	0.06319	ug/L	09/30/10	10:31	
61589-5 1/2	Zn	255.64126	255.25865	256.02389	0.21166	ug/L	09/30/10	10:31	
61589-5 1/2	2203/1	160.34370	159.91955	160.76785	0.37409	ug/L	09/30/10	10:31	
61589-5 1/2	2203/2	142.97384	142.70875	143.23893	0.26221	ug/L	09/30/10	10:31	
61589-5 1/2	1960/1	12.71698	11.42891	14.00506	14.32423	ug/L	09/30/10	10:31	
61589-5 1/2	1960/2	3.32622	3.96573	2.68672	27.18984	ug/L	09/30/10	10:31	
61589-5 1/2	Y	1235.31323	1237.83435	1232.79199	0.28863		09/30/10	10:31	
61589-10 1/2	Ag	1.21747	1.38193	1.05300	19.10381	ug/L	09/30/10	10:36	
61589-10 1/2	Al	135423.65625	135861.95312	134985.34375	0.45771	ug/L	09/30/10	10:36	
61589-10 1/2	2Al	135.42916	135.86666	134.99166	0.45685	mg/L	09/30/10	10:36	
61589-10 1/2	As	41.26944	40.56570	41.97319	2.41158	ug/L	09/30/10	10:36	
61589-10 1/2	B	130.10574	130.71064	129.50085	0.65750	ug/L	09/30/10	10:36	
61589-10 1/2	Ba	715.84643	718.16772	713.52520	0.45858	ug/L	09/30/10	10:36	
61589-10 1/2	Be	9.64299	9.65500	9.63098	0.17611	ug/L	09/30/10	10:36	
61589-10 1/2	Ca	220946.90625	221460.81250	220433.00000	0.32893	ug/L	09/30/10	10:36	
61589-10 1/2	Cd	1.36878	1.29937	1.43819	7.17140	ug/L	09/30/10	10:36	
61589-10 1/2	Co	40.35421	40.70471	40.00372	1.22830	ug/L	09/30/10	10:36	
61589-10 1/2	Cr	118.62234	118.82731	118.41738	0.24436	ug/L	09/30/10	10:36	
61589-10 1/2	Cu	60.08355	60.29165	59.87546	0.48980	ug/L	09/30/10	10:36	
61589-10 1/2	Fe	177412.65625	177859.93750	176965.37500	0.35654	ug/L	09/30/10	10:36	
61589-10 1/2	2Fe	177.38916	177.83538	176.94294	0.35574	mg/L	09/30/10	10:36	
61589-10 1/2	K	26447.27734	26509.27148	26385.28515	0.33149	ug/L	09/30/10	10:36	
61589-10 1/2	Mg	18577.92968	18633.82617	18522.03320	0.42550	ug/L	09/30/10	10:36	
61589-10 1/2	2Mg	18.54685	18.60267	18.49104	0.42559	mg/L	09/30/10	10:36	
61589-10 1/2	Mn	11721.20800	11750.00000	11692.41601	0.34738	ug/L	09/30/10	10:36	
61589-10 1/2	Mo	8.91200	9.34282	8.48118	6.83647	ug/L	09/30/10	10:36	
61589-10 1/2	Na	1176.20654	1141.04113	1211.37182	4.22811	ug/L	09/30/10	10:36	
61589-10 1/2	Ni	147.65618	147.83158	147.48080	0.16798	ug/L	09/30/10	10:36	
61589-10 1/2	Pb	148.81613	150.21240	147.41984	1.32689	ug/L	09/30/10	10:36	
61589-10 1/2	Se	7.28786	7.25574	7.31998	0.62328	ug/L	09/30/10	10:36	
61589-10 1/2	Sb	0.24774	1.01680	-0.52130	438.99905	ug/L	09/30/10	10:36	
61589-10 1/2	Sn	5.70377	5.50807	5.89947	4.85225	ug/L	09/30/10	10:36	
61589-10 1/2	Sr	1313.62084	1318.54418	1308.69750	0.53003	ug/L	09/30/10	10:36	
61589-10 1/2	Ti	654.96081	657.21697	652.70458	0.48716	ug/L	09/30/10	10:36	
61589-10 1/2	Tl	5.94290	5.99153	5.89427	1.15720	ug/L	09/30/10	10:36	
61589-10 1/2	V	165.70098	165.97831	165.42366	0.23669	ug/L	09/30/10	10:36	
61589-10 1/2	Zn	282.67193	282.52743	282.81640	0.07228	ug/L	09/30/10	10:36	
61589-10 1/2	2203/1	169.56100	173.06715	166.05484	2.92428	ug/L	09/30/10	10:36	
61589-10 1/2	2203/2	138.45924	138.80216	138.11631	0.35026	ug/L	09/30/10	10:36	
61589-10 1/2	1960/1	16.06164	11.94443	20.17885	36.25162	ug/L	09/30/10	10:36	
61589-10 1/2	1960/2	2.90755	4.91491	0.90019	97.63659	ug/L	09/30/10	10:36	
61589-10 1/2	Y	1200.51806	1200.64562	1200.39038	0.01503		09/30/10	10:36	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-11 1/2	Ag	1.63722	2.06501	1.20943	36.95182	ug/L	09/30/10	10:42	
61589-11 1/2	Al	143096.04687	143102.09375	143090.00000	0.00597	ug/L	09/30/10	10:42	
61589-11 1/2	2Al	143.09613	143.10197	143.09028	0.00577	mg/L	09/30/10	10:42	
61589-11 1/2	As	30.85991	33.46273	28.25709	11.92791	ug/L	09/30/10	10:42	
61589-11 1/2	B	109.15250	109.20265	109.10235	0.06497	ug/L	09/30/10	10:42	
61589-11 1/2	Ba	785.17437	785.11541	785.23333	0.01061	ug/L	09/30/10	10:42	
61589-11 1/2	Be	9.74518	9.74374	9.74661	0.02081	ug/L	09/30/10	10:42	
61589-11 1/2	Ca	152370.81250	152530.82812	152210.78125	0.14852	ug/L	09/30/10	10:42	
61589-11 1/2	Cd	1.25984	1.42652	1.09316	18.71043	ug/L	09/30/10	10:42	
61589-11 1/2	Co	43.78100	44.45651	43.10550	2.18202	ug/L	09/30/10	10:42	
61589-11 1/2	Cr	116.96079	116.99913	116.92244	0.04636	ug/L	09/30/10	10:42	
61589-11 1/2	Cu	57.74681	58.18236	57.31125	1.06666	ug/L	09/30/10	10:42	
61589-11 1/2	Fe	168485.87500	168679.62500	168292.12500	0.16262	ug/L	09/30/10	10:42	
61589-11 1/2	2Fe	168.45657	168.65025	168.26290	0.16259	mg/L	09/30/10	10:42	
61589-11 1/2	K	23310.03125	23217.77929	23402.28320	0.55969	ug/L	09/30/10	10:42	
61589-11 1/2	Mg	16317.57421	16349.18554	16285.96289	0.27396	ug/L	09/30/10	10:42	
61589-11 1/2	2Mg	16.28719	16.31876	16.25561	0.27416	mg/L	09/30/10	10:42	
61589-11 1/2	Mn	8403.21777	8417.87792	8388.55761	0.24672	ug/L	09/30/10	10:42	
61589-11 1/2	Mo	5.27688	6.14668	4.40709	23.31065	ug/L	09/30/10	10:42	
61589-11 1/2	Na	977.24353	1079.53735	874.94964	14.80340	ug/L	09/30/10	10:42	
61589-11 1/2	Ni	133.93591	134.30834	133.56349	0.39324	ug/L	09/30/10	10:42	
61589-11 1/2	Pb	159.43527	160.26881	158.60171	0.73937	ug/L	09/30/10	10:42	
61589-11 1/2	Se	8.65288	8.42892	8.87683	3.66023	ug/L	09/30/10	10:42	
61589-11 1/2	Sb	2.29723	-3.32851	7.92298	346.32940	ug/L	09/30/10	10:42	
61589-11 1/2	Sn	6.89113	6.42031	7.36195	9.66225	ug/L	09/30/10	10:42	
61589-11 1/2	Sr	1202.87109	1201.64965	1204.09265	0.14361	ug/L	09/30/10	10:42	
61589-11 1/2	Ti	661.86462	662.70855	661.02069	0.18032	ug/L	09/30/10	10:42	
61589-11 1/2	Tl	2.35196	2.73112	1.97280	22.79835	ug/L	09/30/10	10:42	
61589-11 1/2	V	167.38885	167.57627	167.20141	0.15835	ug/L	09/30/10	10:42	
61589-11 1/2	Zn	285.78009	286.56683	284.99331	0.38933	ug/L	09/30/10	10:42	
61589-11 1/2	2203/1	172.54753	172.70120	172.39385	0.12595	ug/L	09/30/10	10:42	
61589-11 1/2	2203/2	152.88894	154.06193	151.71597	1.08500	ug/L	09/30/10	10:42	
61589-11 1/2	1960/1	8.73900	11.24171	6.23630	40.50066	ug/L	09/30/10	10:42	
61589-11 1/2	1960/2	8.60988	7.02464	10.19511	26.03823	ug/L	09/30/10	10:42	
61589-11 1/2	Y	1221.80957	1216.39758	1227.22155	0.62642		09/30/10	10:42	
61589-12 1/2	Ag	1.37245	1.37413	1.37077	0.17314	ug/L	09/30/10	10:47	
61589-12 1/2	Al	128907.75781	129396.96875	128418.54687	0.53670	ug/L	09/30/10	10:47	
61589-12 1/2	2Al	128.90542	129.39219	128.41864	0.53404	mg/L	09/30/10	10:47	
61589-12 1/2	As	32.41405	31.79235	33.03574	2.71243	ug/L	09/30/10	10:47	
61589-12 1/2	B	122.76109	123.73577	121.78641	1.12283	ug/L	09/30/10	10:47	
61589-12 1/2	Ba	681.09460	683.04754	679.14166	0.40550	ug/L	09/30/10	10:47	
61589-12 1/2	Be	9.20843	9.26403	9.15283	0.85393	ug/L	09/30/10	10:47	
61589-12 1/2	Ca	224194.92187	225205.59375	223184.25000	0.63752	ug/L	09/30/10	10:47	
61589-12 1/2	Cd	1.15583	1.27365	1.03801	14.41603	ug/L	09/30/10	10:47	
61589-12 1/2	Co	35.66557	36.54611	34.78502	3.49155	ug/L	09/30/10	10:47	
61589-12 1/2	Cr	117.48205	118.16183	116.80226	0.81830	ug/L	09/30/10	10:47	
61589-12 1/2	Cu	56.26859	56.38124	56.15594	0.28312	ug/L	09/30/10	10:47	
61589-12 1/2	Fe	166316.53125	167041.60937	165591.45312	0.61654	ug/L	09/30/10	10:47	
61589-12 1/2	2Fe	166.28451	167.00648	165.56254	0.61401	mg/L	09/30/10	10:47	
61589-12 1/2	K	24818.73828	24800.12304	24837.35156	0.10606	ug/L	09/30/10	10:47	
61589-12 1/2	Mg	17418.40820	17507.92773	17328.88867	0.72681	ug/L	09/30/10	10:47	
61589-12 1/2	2Mg	17.38810	17.47748	17.29871	0.72698	mg/L	09/30/10	10:47	
61589-12 1/2	Mn	8413.90234	8453.18847	8374.61718	0.66031	ug/L	09/30/10	10:47	
61589-12 1/2	Mo	6.41358	6.72623	6.10092	6.89409	ug/L	09/30/10	10:47	
61589-12 1/2	Na	1239.02978	1249.50012	1228.55932	1.19507	ug/L	09/30/10	10:47	
61589-12 1/2	Ni	131.67547	132.41006	130.94087	0.78896	ug/L	09/30/10	10:47	
61589-12 1/2	Pb	143.65887	143.26919	144.04855	0.38360	ug/L	09/30/10	10:47	
61589-12 1/2	Se	7.70424	6.79375	8.61472	16.71314	ug/L	09/30/10	10:47	
61589-12 1/2	Sb	0.90643	1.40116	0.41171	77.18609	ug/L	09/30/10	10:47	
61589-12 1/2	Sn	3.99705	5.87759	2.11650	66.53630	ug/L	09/30/10	10:47	
61589-12 1/2	Sr	1306.14160	1311.44482	1300.83837	0.57420	ug/L	09/30/10	10:47	
61589-12 1/2	Ti	680.22595	682.62164	677.83020	0.49807	ug/L	09/30/10	10:47	
61589-12 1/2	Tl	7.01232	7.38225	6.64239	7.46064	ug/L	09/30/10	10:47	
61589-12 1/2	V	161.98271	163.27119	160.69422	1.12492	ug/L	09/30/10	10:47	
61589-12 1/2	Zn	257.96691	259.30047	256.63333	0.73108	ug/L	09/30/10	10:47	
61589-12 1/2	2203/1	160.47052	159.63946	161.30155	0.73239	ug/L	09/30/10	10:47	
61589-12 1/2	2203/2	135.26565	135.09632	135.43498	0.17703	ug/L	09/30/10	10:47	
61589-12 1/2	1960/1	10.33924	11.44257	9.23591	15.09147	ug/L	09/30/10	10:47	
61589-12 1/2	1960/2	6.38871	4.47282	8.30459	42.41024	ug/L	09/30/10	10:47	
61589-12 1/2	Y	1222.32446	1218.41284	1226.23596	0.45256		09/30/10	10:47	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	502.84347	504.68331	501.00363	0.51744	ug/L	09/30/10	10:52	
CCV	Al	5002.48242	5029.56982	4975.39501	0.76576	ug/L	09/30/10	10:52	
CCV	2Al	5.00227	5.02915	4.97539	0.75999	mg/L	09/30/10	10:52	
CCV	As	503.79901	506.11889	501.47915	0.65121	ug/L	09/30/10	10:52	
CCV	B	5043.04150	5053.89111	5032.19189	0.30425	ug/L	09/30/10	10:52	
CCV	Ba	5064.78906	5082.37060	5047.20703	0.49092	ug/L	09/30/10	10:52	
CCV	Be	509.27282	510.90713	507.63851	0.45383	ug/L	09/30/10	10:52	
CCV	Ca	5112.64062	5136.92041	5088.36035	0.67161	ug/L	09/30/10	10:52	
CCV	Cd	512.07373	515.41278	508.73464	0.92216	ug/L	09/30/10	10:52	
CCV	Co	509.95913	511.21704	508.70123	0.34884	ug/L	09/30/10	10:52	
CCV	Cr	5108.10351	5128.11425	5088.09326	0.55400	ug/L	09/30/10	10:52	
CCV	Cu	5005.55957	5014.42871	4996.68994	0.25058	ug/L	09/30/10	10:52	
CCV	Fe	5004.04296	5024.62060	4983.46582	0.58154	ug/L	09/30/10	10:52	
CCV	2Fe	5.00405	5.02462	4.98347	0.58152	mg/L	09/30/10	10:52	
CCV	K	10327.51855	10395.06738	10259.96972	0.92498	ug/L	09/30/10	10:52	
CCV	Mg	5116.39013	5143.66064	5089.11962	0.75377	ug/L	09/30/10	10:52	
CCV	2Mg	5.11642	5.14369	5.08915	0.75371	mg/L	09/30/10	10:52	
CCV	Mn	5147.73583	5167.10400	5128.36767	0.53209	ug/L	09/30/10	10:52	
CCV	Mo	506.43804	507.44152	505.43457	0.28021	ug/L	09/30/10	10:52	
CCV	Na	7517.05175	7395.83740	7638.26660	2.28045	ug/L	09/30/10	10:52	
CCV	Ni	2547.58203	2556.96411	2538.20019	0.52081	ug/L	09/30/10	10:52	
CCV	Pb	511.52526	514.09185	508.95870	0.70958	ug/L	09/30/10	10:52	
CCV	Se	5058.18750	5070.62792	5045.74658	0.34782	ug/L	09/30/10	10:52	
CCV	Sb	493.58850	497.56149	489.61553	1.13832	ug/L	09/30/10	10:52	
CCV	Sn	5105.54882	5123.61328	5087.48486	0.50037	ug/L	09/30/10	10:52	
CCV	Sr	2559.16992	2564.09082	2554.24877	0.27193	ug/L	09/30/10	10:52	
CCV	Ti	503.46313	505.44308	501.48318	0.55616	ug/L	09/30/10	10:52	
CCV	Tl	5096.44531	5109.10546	5083.78466	0.35131	ug/L	09/30/10	10:52	
CCV	V	5055.18554	5075.44287	5034.92871	0.56670	ug/L	09/30/10	10:52	
CCV	Zn	2573.08105	2584.89257	2561.26928	0.64919	ug/L	09/30/10	10:52	
CCV	2203/1	514.79260	521.17211	508.41305	1.75255	ug/L	09/30/10	10:52	
CCV	2203/2	509.88995	510.55288	509.22698	0.18387	ug/L	09/30/10	10:52	
CCV	1960/1	5064.53808	5082.13330	5046.94238	0.49133	ug/L	09/30/10	10:52	
CCV	1960/2	5055.01660	5064.88378	5045.14990	0.27604	ug/L	09/30/10	10:52	
CCV	Y	1071.49243	1067.71276	1075.27197	0.49885		09/30/10	10:52	
CCB	Ag	0.84139	0.14599	1.53679	116.88298	ug/L	09/30/10	11:04	
CCB	Al	-3.02066	-1.16525	-4.87607	86.86637	ug/L	09/30/10	11:04	
CCB	2Al	-0.00302	-0.00116	-0.00487	86.86687	mg/L	09/30/10	11:04	
CCB	As	-4.16926	-3.04167	-5.29684	38.24769	ug/L	09/30/10	11:04	
CCB	B	3.80355	4.29917	3.30792	18.42803	ug/L	09/30/10	11:04	
CCB	Ba	0.14196	-0.02919	0.31311	170.50538	ug/L	09/30/10	11:04	
CCB	Be	0.02359	0.01362	0.03357	59.79033	ug/L	09/30/10	11:04	
CCB	Ca	-0.29194	-0.74875	0.16487	221.28967	ug/L	09/30/10	11:04	
CCB	Cd	0.16656	0.10175	0.23138	55.03084	ug/L	09/30/10	11:04	
CCB	Co	-0.73346	-0.87527	-0.59165	27.34271	ug/L	09/30/10	11:04	
CCB	Cr	-0.34548	-0.55034	-0.14062	83.85849	ug/L	09/30/10	11:04	
CCB	Cu	-1.07555	-1.40430	-0.74679	43.22764	ug/L	09/30/10	11:04	
CCB	Fe	-0.06729	-17.73234	17.59776	37125.41015	ug/L	09/30/10	11:04	
CCB	2Fe	-0.00006	-0.01773	0.01759	37004.39453	mg/L	09/30/10	11:04	
CCB	K	12.93071	-17.61032	43.47176	334.02285	ug/L	09/30/10	11:04	
CCB	Mg	-0.02657	-3.12014	3.06699	16463.24218	ug/L	09/30/10	11:04	
CCB	2Mg	-0.00002	-0.00311	0.00306	16452.89648	mg/L	09/30/10	11:04	
CCB	Mn	-0.00468	-0.06938	0.06001	1952.57910	ug/L	09/30/10	11:04	
CCB	Mo	0.59413	0.67029	0.51798	18.12769	ug/L	09/30/10	11:04	
CCB	Na	86.38664	-29.90583	202.67912	190.37942	ug/L	09/30/10	11:04	
CCB	Ni	0.36188	-0.06700	0.79077	167.60668	ug/L	09/30/10	11:04	
CCB	Pb	0.25323	0.28813	0.21834	19.48938	ug/L	09/30/10	11:04	
CCB	Se	5.73414	7.53454	3.93373	44.40356	ug/L	09/30/10	11:04	
CCB	Sb	-1.78956	-2.35315	-1.22597	44.53771	ug/L	09/30/10	11:04	
CCB	Sn	-1.96775	-2.94794	-0.98755	70.44631	ug/L	09/30/10	11:04	
CCB	Sr	0.01014	-0.01863	0.03891	401.27218	ug/L	09/30/10	11:04	
CCB	Ti	-0.06991	-0.19263	0.05279	248.20832	ug/L	09/30/10	11:04	
CCB	Tl	-0.41902	-0.25041	-0.58764	56.90731	ug/L	09/30/10	11:04	
CCB	V	0.11633	-0.56027	0.79293	822.54229	ug/L	09/30/10	11:04	
CCB	Zn	-0.35431	-0.35627	-0.35235	0.78174	ug/L	09/30/10	11:04	
CCB	2203/1	4.32914	4.54943	4.10885	7.19627	ug/L	09/30/10	11:04	
CCB	2203/2	-1.78165	-1.83931	-1.72399	4.57662	ug/L	09/30/10	11:04	
CCB	1960/1	9.23638	9.91770	8.55507	10.43188	ug/L	09/30/10	11:04	
CCB	1960/2	3.98564	6.34475	1.62652	83.70781	ug/L	09/30/10	11:04	
CCB	Y	1065.03759	1055.89440	1074.18078	1.21408		09/30/10	11:04	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61589-13 1/2	Ag	1.03060	1.37517	0.68604	47.28112	ug/L	09/30/10	11:10	
61589-13 1/2	Al	124931.25781	125385.77343	124476.74218	0.51450	ug/L	09/30/10	11:10	
61589-13 1/2	2Al	124.93034	125.39089	124.46980	0.52133	mg/L	09/30/10	11:10	
61589-13 1/2	As	33.95985	36.75480	31.16489	11.63922	ug/L	09/30/10	11:10	
61589-13 1/2	B	113.78800	113.65211	113.92388	0.16888	ug/L	09/30/10	11:10	
61589-13 1/2	Ba	681.42736	684.00988	678.84490	0.53596	ug/L	09/30/10	11:10	
61589-13 1/2	Be	8.89600	8.91064	8.88137	0.23263	ug/L	09/30/10	11:10	
61589-13 1/2	Ca	202334.45312	202899.60937	201769.29687	0.39501	ug/L	09/30/10	11:10	
61589-13 1/2	Cd	0.74748	0.68922	0.80574	11.02255	ug/L	09/30/10	11:10	
61589-13 1/2	Co	32.47050	32.99501	31.94600	2.28440	ug/L	09/30/10	11:10	
61589-13 1/2	Cr	107.93634	109.12067	106.75199	1.55175	ug/L	09/30/10	11:10	
61589-13 1/2	Cu	53.57848	54.22509	52.93186	1.70674	ug/L	09/30/10	11:10	
61589-13 1/2	Fe	160014.06250	160516.50000	159511.64062	0.44405	ug/L	09/30/10	11:10	
61589-13 1/2	2Fe	159.98487	160.49517	159.47457	0.45108	mg/L	09/30/10	11:10	
61589-13 1/2	K	22780.25781	22895.33007	22665.18750	0.71437	ug/L	09/30/10	11:10	
61589-13 1/2	Mg	15852.12304	15894.55371	15809.69238	0.37853	ug/L	09/30/10	11:10	
61589-13 1/2	2Mg	15.82363	15.86597	15.78130	0.37840	mg/L	09/30/10	11:10	
61589-13 1/2	Mn	9005.25585	9028.19921	8982.31250	0.36030	ug/L	09/30/10	11:10	
61589-13 1/2	Mo	4.69268	5.03371	4.35164	10.27757	ug/L	09/30/10	11:10	
61589-13 1/2	Na	1121.84570	1046.05859	1197.63281	9.55382	ug/L	09/30/10	11:10	
61589-13 1/2	Ni	131.28671	131.12828	131.44512	0.17065	ug/L	09/30/10	11:10	
61589-13 1/2	Pb	140.15695	141.51498	138.79893	1.37027	ug/L	09/30/10	11:10	
61589-13 1/2	Se	7.72068	8.25658	7.18478	9.81618	ug/L	09/30/10	11:10	
61589-13 1/2	Sb	-0.82821	-1.27262	-0.38380	75.88467	ug/L	09/30/10	11:10	
61589-13 1/2	Sn	4.79306	3.27432	6.31179	44.81087	ug/L	09/30/10	11:10	
61589-13 1/2	Sr	1239.46606	1242.35046	1236.58178	0.32909	ug/L	09/30/10	11:10	
61589-13 1/2	Ti	624.31799	626.54705	622.08892	0.50493	ug/L	09/30/10	11:10	
61589-13 1/2	Tl	8.17202	5.61835	10.72569	44.19261	ug/L	09/30/10	11:10	
61589-13 1/2	V	151.52188	152.11585	150.92791	0.55437	ug/L	09/30/10	11:10	
61589-13 1/2	Zn	250.40115	251.47024	249.33206	0.60380	ug/L	09/30/10	11:10	
61589-13 1/2	2203/1	155.01910	157.30108	152.73710	2.08182	ug/L	09/30/10	11:10	
61589-13 1/2	2203/2	132.73703	133.63375	131.84028	0.95540	ug/L	09/30/10	11:10	
61589-13 1/2	1960/1	14.39921	18.19646	10.60196	37.29455	ug/L	09/30/10	11:10	
61589-13 1/2	1960/2	4.38643	3.29410	5.47876	35.21741	ug/L	09/30/10	11:10	
61589-13 1/2	Y	1220.12878	1216.02795	1224.22961	0.47531		09/30/10	11:10	
61589-19 1/2	Ag	1.50814	1.56752	1.44876	5.56782	ug/L	09/30/10	11:15	
61589-19 1/2	Al	157750.53125	157789.48437	157711.56250	0.03492	ug/L	09/30/10	11:15	
61589-19 1/2	2Al	157.74194	157.78111	157.70278	0.03510	mg/L	09/30/10	11:15	
61589-19 1/2	As	33.36988	34.32350	32.41626	4.04144	ug/L	09/30/10	11:15	
61589-19 1/2	B	82.74645	82.49542	82.99749	0.42904	ug/L	09/30/10	11:15	
61589-19 1/2	Ba	1440.66540	1441.44030	1439.89050	0.07606	ug/L	09/30/10	11:15	
61589-19 1/2	Be	11.12911	11.11186	11.14636	0.21915	ug/L	09/30/10	11:15	
61589-19 1/2	Ca	66103.87500	66041.54687	66166.19531	0.13333	ug/L	09/30/10	11:15	
61589-19 1/2	Cd	1.24334	1.33859	1.14808	10.83460	ug/L	09/30/10	11:15	
61589-19 1/2	Co	56.59614	56.45346	56.73883	0.35653	ug/L	09/30/10	11:15	
61589-19 1/2	Cr	122.02249	122.06937	121.97560	0.05434	ug/L	09/30/10	11:15	
61589-19 1/2	Cu	92.52327	92.52653	92.52001	0.00497	ug/L	09/30/10	11:15	
61589-19 1/2	Fe	201581.25000	201504.10937	201658.39062	0.05411	ug/L	09/30/10	11:15	
61589-19 1/2	2Fe	201.53549	201.45887	201.61212	0.05376	mg/L	09/30/10	11:15	
61589-19 1/2	K	18218.92187	18274.09179	18163.75195	0.42824	ug/L	09/30/10	11:15	
61589-19 1/2	Mg	15777.62988	15759.63574	15795.62402	0.16128	ug/L	09/30/10	11:15	
61589-19 1/2	2Mg	15.74139	15.72341	15.75937	0.16150	mg/L	09/30/10	11:15	
61589-19 1/2	Mn	7991.05712	7988.15673	7993.95751	0.05132	ug/L	09/30/10	11:15	
61589-19 1/2	Mo	8.46391	9.03756	7.89026	9.58498	ug/L	09/30/10	11:15	
61589-19 1/2	Na	706.38952	804.97912	607.79998	19.73793	ug/L	09/30/10	11:15	
61589-19 1/2	Ni	139.88061	140.78222	138.97901	0.91153	ug/L	09/30/10	11:15	
61589-19 1/2	Pb	237.13861	236.48674	237.79049	0.38875	ug/L	09/30/10	11:15	
61589-19 1/2	Se	7.97049	5.01295	10.92802	52.47584	ug/L	09/30/10	11:15	
61589-19 1/2	Sb	11.14686	10.91977	11.37396	2.88115	ug/L	09/30/10	11:15	
61589-19 1/2	Sn	10.91013	10.25943	11.56083	8.43463	ug/L	09/30/10	11:15	
61589-19 1/2	Sr	1604.02136	1605.34179	1602.70092	0.11641	ug/L	09/30/10	11:15	
61589-19 1/2	Ti	725.12084	724.00549	726.23626	0.21753	ug/L	09/30/10	11:15	
61589-19 1/2	Tl	4.81615	6.74905	2.88325	56.75758	ug/L	09/30/10	11:15	
61589-19 1/2	V	201.26846	201.09161	201.44531	0.12426	ug/L	09/30/10	11:15	
61589-19 1/2	Zn	402.93487	402.87097	402.99877	0.02242	ug/L	09/30/10	11:15	
61589-19 1/2	2203/1	253.17317	254.24401	252.10232	0.59816	ug/L	09/30/10	11:15	
61589-19 1/2	2203/2	229.13336	227.62139	230.64530	0.93318	ug/L	09/30/10	11:15	
61589-19 1/2	1960/1	11.62301	9.92242	13.32360	20.69171	ug/L	09/30/10	11:15	
61589-19 1/2	1960/2	6.14696	2.56190	9.73202	82.48036	ug/L	09/30/10	11:15	
61589-19 1/2	Y	1232.70837	1234.01513	1231.40161	0.14991		09/30/10	11:15	

D092910

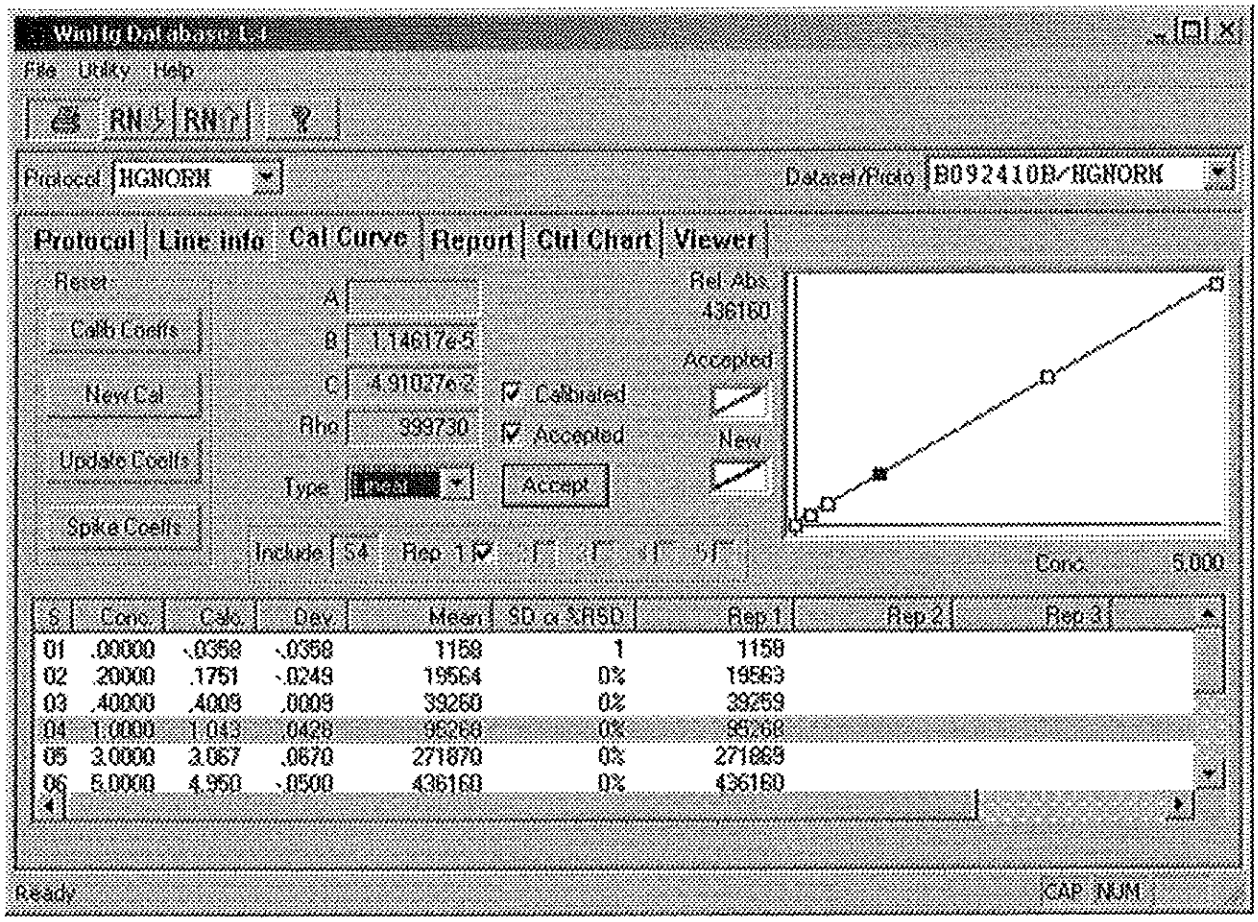
SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP	Ag	11.40415	10.56927	12.23903	10.35327	ug/L	09/30/10	11:23	
RL ICP	Al	209.76066	215.07975	204.44157	3.58614	ug/L	09/30/10	11:23	
RL ICP	2Al	0.20977	0.21509	0.20445	3.58615	mg/L	09/30/10	11:23	
RL ICP	As	17.79163	18.54073	17.04252	5.95447	ug/L	09/30/10	11:23	
RL ICP	B	104.07336	102.94407	105.20264	1.53454	ug/L	09/30/10	11:23	
RL ICP	Ba	10.54216	10.60771	10.47662	0.87930	ug/L	09/30/10	11:23	
RL ICP	Be	4.14229	4.13286	4.15172	0.32195	ug/L	09/30/10	11:23	
RL ICP	Ca	525.73791	526.66589	524.80987	0.24963	ug/L	09/30/10	11:23	
RL ICP	Cd	5.53420	5.49560	5.57281	0.98653	ug/L	09/30/10	11:23	
RL ICP	Co	9.74389	9.74441	9.74337	0.00752	ug/L	09/30/10	11:23	
RL ICP	Cr	10.22533	10.02470	10.42597	2.77489	ug/L	09/30/10	11:23	
RL ICP	Cu	20.06056	19.78160	20.33951	1.96655	ug/L	09/30/10	11:23	
RL ICP	Fe	65.35254	68.98711	61.71797	7.86511	ug/L	09/30/10	11:23	
RL ICP	2Fe	0.06534	0.06898	0.06171	7.86446	mg/L	09/30/10	11:23	
RL ICP	K	1060.12756	1049.51843	1070.73669	1.41526	ug/L	09/30/10	11:23	
RL ICP	Mg	528.04443	524.50634	531.58245	0.94756	ug/L	09/30/10	11:23	
RL ICP	2Mg	0.52788	0.52435	0.53142	0.94772	mg/L	09/30/10	11:23	
RL ICP	Mn	10.68783	10.79872	10.57695	1.46719	ug/L	09/30/10	11:23	
RL ICP	Mo	11.77221	11.17891	12.36552	7.12746	ug/L	09/30/10	11:23	
RL ICP	Na	1188.82983	1217.38549	1160.27416	3.39693	ug/L	09/30/10	11:23	
RL ICP	Ni	42.92048	42.01094	43.83002	2.99690	ug/L	09/30/10	11:23	
RL ICP	Pb	9.32265	8.59371	10.05159	11.05770	ug/L	09/30/10	11:23	
RL ICP	Se	23.57898	25.10415	22.05382	9.14758	ug/L	09/30/10	11:23	
RL ICP	Sb	21.08860	20.44865	21.72854	4.29152	ug/L	09/30/10	11:23	
RL ICP	Sn	52.34514	52.52433	52.16595	0.48412	ug/L	09/30/10	11:23	
RL ICP	Sr	10.66284	10.68227	10.64340	0.25779	ug/L	09/30/10	11:23	
RL ICP	Ti	10.66018	10.73742	10.58293	1.02479	ug/L	09/30/10	11:23	
RL ICP	Tl	30.23756	29.13416	31.34096	5.16060	ug/L	09/30/10	11:23	
RL ICP	V	10.72623	10.02666	11.42579	9.22348	ug/L	09/30/10	11:23	
RL ICP	Zn	21.95402	21.99553	21.91250	0.26744	ug/L	09/30/10	11:23	
RL ICP	2203/1	13.21477	13.91267	12.51688	7.46865	ug/L	09/30/10	11:23	
RL ICP	2203/2	7.37951	5.93823	8.82079	27.62078	ug/L	09/30/10	11:23	
RL ICP	1960/1	34.69297	34.70097	34.68496	0.03263	ug/L	09/30/10	11:23	
RL ICP	1960/2	18.03030	20.31290	15.74769	17.90370	ug/L	09/30/10	11:23	
RL ICP	Y	1087.67553	1091.85119	1083.50000	0.54291		09/30/10	11:23	
RL ICP	Ag	11.65543	11.92088	11.38998	3.22083	ug/L	09/30/10	11:28	
RL ICP	Al	205.42916	205.48852	205.36982	0.04085	ug/L	09/30/10	11:28	
RL ICP	2Al	0.20543	0.20549	0.20537	0.04085	mg/L	09/30/10	11:28	
RL ICP	As	20.82725	19.49500	22.15950	9.04626	ug/L	09/30/10	11:28	
RL ICP	B	103.92971	103.06879	104.79064	1.17149	ug/L	09/30/10	11:28	
RL ICP	Ba	10.45671	10.46493	10.44850	0.11110	ug/L	09/30/10	11:28	
RL ICP	Be	4.15777	4.16611	4.14943	0.28364	ug/L	09/30/10	11:28	
RL ICP	Ca	521.19018	520.84759	521.53277	0.09295	ug/L	09/30/10	11:28	
RL ICP	Cd	5.87905	5.84925	5.90886	0.71690	ug/L	09/30/10	11:28	
RL ICP	Co	9.91636	10.20434	9.62839	4.10688	ug/L	09/30/10	11:28	
RL ICP	Cr	10.17054	9.86421	10.47686	4.25940	ug/L	09/30/10	11:28	
RL ICP	Cu	20.60465	20.11587	21.09343	3.35476	ug/L	09/30/10	11:28	
RL ICP	Fe	61.05570	59.44110	62.67031	3.73986	ug/L	09/30/10	11:28	
RL ICP	2Fe	0.06105	0.05943	0.06266	3.73943	mg/L	09/30/10	11:28	
RL ICP	K	1065.64135	1073.96228	1057.32031	1.10427	ug/L	09/30/10	11:28	
RL ICP	Mg	524.80474	522.50756	527.10192	0.61903	ug/L	09/30/10	11:28	
RL ICP	2Mg	0.52465	0.52235	0.52694	0.61896	mg/L	09/30/10	11:28	
RL ICP	Mn	10.40972	10.38924	10.43021	0.27829	ug/L	09/30/10	11:28	
RL ICP	Mo	9.70382	9.64332	9.76432	0.88170	ug/L	09/30/10	11:28	
RL ICP	Na	1352.35375	1386.14770	1318.55993	3.53396	ug/L	09/30/10	11:28	
RL ICP	Ni	42.24246	41.70587	42.77905	1.79643	ug/L	09/30/10	11:28	
RL ICP	Pb	10.60146	10.07402	11.12890	7.03593	ug/L	09/30/10	11:28	
RL ICP	Se	26.30978	25.80312	26.81643	2.72337	ug/L	09/30/10	11:28	
RL ICP	Sb	22.04305	25.05104	19.03506	19.29832	ug/L	09/30/10	11:28	
RL ICP	Sn	53.55147	52.08359	55.01934	3.87643	ug/L	09/30/10	11:28	
RL ICP	Sr	10.68032	10.68899	10.67165	0.11476	ug/L	09/30/10	11:28	
RL ICP	Ti	10.29207	10.26343	10.32071	0.39352	ug/L	09/30/10	11:28	
RL ICP	Tl	28.77682	30.27198	27.28165	7.34787	ug/L	09/30/10	11:28	
RL ICP	V	11.35718	11.11634	11.59803	2.99901	ug/L	09/30/10	11:28	
RL ICP	Zn	21.97766	21.72260	22.23272	1.64126	ug/L	09/30/10	11:28	
RL ICP	2203/1	16.31504	19.69123	12.93885	29.26533	ug/L	09/30/10	11:28	
RL ICP	2203/2	7.74895	5.27263	10.22528	45.19388	ug/L	09/30/10	11:28	
RL ICP	1960/1	32.53230	39.04920	26.01539	28.32969	ug/L	09/30/10	11:28	
RL ICP	1960/2	23.20315	19.18999	27.21632	24.45993	ug/L	09/30/10	11:28	
RL ICP	Y	1084.94311	1083.42077	1086.46557	0.19844		09/30/10	11:28	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSA61	Ag	0.53009	1.14137	-0.08118	163.07890	ug/L	09/30/10	11:33	
ICSA61	Al	543022.12500	543612.87500	542431.43750	0.15384	ug/L	09/30/10	11:33	
ICSA61	2Al	543.00268	543.60382	542.40155	0.15656	mg/L	09/30/10	11:33	
ICSA61	As	2.91799	2.97562	2.86036	2.79309	ug/L	09/30/10	11:33	
ICSA61	B	15.50024	15.10393	15.89655	3.61587	ug/L	09/30/10	11:33	
ICSA61	Ba	1.16379	1.13840	1.18918	3.08540	ug/L	09/30/10	11:33	
ICSA61	Be	0.09386	0.09279	0.09493	1.61021	ug/L	09/30/10	11:33	
ICSA61	Ca	545784.62500	546314.12500	545255.18750	0.13719	ug/L	09/30/10	11:33	
ICSA61	Cd	1.95432	1.81089	2.09774	10.37876	ug/L	09/30/10	11:33	
ICSA61	Co	-0.05096	0.03194	-0.13388	230.06101	ug/L	09/30/10	11:33	
ICSA61	Cr	1.27368	1.55605	0.99131	31.35203	ug/L	09/30/10	11:33	
ICSA61	Cu	0.63025	0.63008	0.63042	0.03875	ug/L	09/30/10	11:33	
ICSA61	Fe	201353.76562	201372.73437	201334.79687	0.01332	ug/L	09/30/10	11:33	
ICSA61	2Fe	201.31137	201.33392	201.28881	0.01584	mg/L	09/30/10	11:33	
ICSA61	K	-5.13334	10.14160	-20.40828	420.81802	ug/L	09/30/10	11:33	
ICSA61	Mg	555366.50000	555814.81250	554918.18750	0.11416	ug/L	09/30/10	11:33	
ICSA61	2Mg	555.12866	555.58654	554.67083	0.11664	mg/L	09/30/10	11:33	
ICSA61	Mn	-1.25417	-1.20335	-1.30499	5.73040	ug/L	09/30/10	11:33	
ICSA61	Mo	-0.62687	-3.35497	2.10122	615.44927	ug/L	09/30/10	11:33	
ICSA61	Na	305.45098	426.78179	184.12014	56.17520	ug/L	09/30/10	11:33	
ICSA61	Ni	0.12724	0.10623	0.14824	23.34144	ug/L	09/30/10	11:33	
ICSA61	Pb	0.39044	0.51066	0.27021	43.54714	ug/L	09/30/10	11:33	
ICSA61	Se	6.21021	7.29323	5.12720	24.66276	ug/L	09/30/10	11:33	
ICSA61	Sb	4.27156	4.88709	3.65602	20.37889	ug/L	09/30/10	11:33	
ICSA61	Sn	0.38091	-1.72594	2.48778	782.20050	ug/L	09/30/10	11:33	
ICSA61	Sr	2.62236	2.62597	2.61876	0.19432	ug/L	09/30/10	11:33	
ICSA61	Ti	1.70843	1.53673	1.88013	14.21319	ug/L	09/30/10	11:33	
ICSA61	Tl	5.49973	2.82784	8.17163	68.70560	ug/L	09/30/10	11:33	
ICSA61	V	6.58920	5.65525	7.52314	20.04489	ug/L	09/30/10	11:33	
ICSA61	Zn	5.06437	5.03768	5.09106	0.74537	ug/L	09/30/10	11:33	
ICSA61	2203/1	31.76501	28.41699	35.11304	14.90577	ug/L	09/30/10	11:33	
ICSA61	2203/2	-15.27332	-13.42157	-17.12508	17.14605	ug/L	09/30/10	11:33	
ICSA61	1960/1	8.88878	9.52129	8.25627	10.06326	ug/L	09/30/10	11:33	
ICSA61	1960/2	4.87294	6.18087	3.56501	37.95833	ug/L	09/30/10	11:33	
ICSA61	Y	1008.88916	1007.52960	1010.24877	0.19058		09/30/10	11:33	
ICSAB61	Ag	215.98074	216.56474	215.39672	0.38240	ug/L	09/30/10	11:43	
ICSAB61	Al	537539.12500	537872.87500	537205.37500	0.08780	ug/L	09/30/10	11:43	
ICSAB61	2Al	537.52734	537.87036	537.18432	0.09024	mg/L	09/30/10	11:43	
ICSAB61	As	102.65319	100.71878	104.58760	2.66495	ug/L	09/30/10	11:43	
ICSAB61	B	16.03323	16.89913	15.16732	7.63773	ug/L	09/30/10	11:43	
ICSAB61	Ba	550.51000	550.35656	550.66351	0.03942	ug/L	09/30/10	11:43	
ICSAB61	Be	528.33715	528.02020	528.65417	0.08484	ug/L	09/30/10	11:43	
ICSAB61	Ca	543057.25000	543072.00000	543042.43750	0.00384	ug/L	09/30/10	11:43	
ICSAB61	Cd	1012.30084	1013.32531	1011.27636	0.14312	ug/L	09/30/10	11:43	
ICSAB61	Co	500.42358	500.93966	499.90753	0.14584	ug/L	09/30/10	11:43	
ICSAB61	Cr	510.58200	511.24139	509.92260	0.18263	ug/L	09/30/10	11:43	
ICSAB61	Cu	549.99938	550.32385	549.67492	0.08342	ug/L	09/30/10	11:43	
ICSAB61	Fe	200445.21875	200366.68750	200523.73437	0.05540	ug/L	09/30/10	11:43	
ICSAB61	2Fe	200.40568	200.33071	200.48065	0.05290	mg/L	09/30/10	11:43	
ICSAB61	K	26.26190	32.35757	20.16625	32.82535	ug/L	09/30/10	11:43	
ICSAB61	Mg	552280.25000	552346.18750	552214.31250	0.01688	ug/L	09/30/10	11:43	
ICSAB61	2Mg	552.05053	552.12615	551.97497	0.01936	mg/L	09/30/10	11:43	
ICSAB61	Mn	515.07763	515.58074	514.57446	0.13814	ug/L	09/30/10	11:43	
ICSAB61	Mo	1019.74267	1017.76519	1021.72021	0.27424	ug/L	09/30/10	11:43	
ICSAB61	Na	470.78656	496.92611	444.64697	7.85216	ug/L	09/30/10	11:43	
ICSAB61	Ni	990.52331	989.36407	991.68249	0.16550	ug/L	09/30/10	11:43	
ICSAB61	Pb	51.66213	51.08180	52.24246	1.58861	ug/L	09/30/10	11:43	
ICSAB61	Se	54.44870	55.86841	53.02899	3.68745	ug/L	09/30/10	11:43	
ICSAB61	Sb	623.44104	621.27569	625.60632	0.49117	ug/L	09/30/10	11:43	
ICSAB61	Sn	1017.39099	1019.30786	1015.47406	0.26645	ug/L	09/30/10	11:43	
ICSAB61	Sr	2.61908	2.61560	2.62255	0.18772	ug/L	09/30/10	11:43	
ICSAB61	Ti	1.78147	1.88024	1.68269	7.84119	ug/L	09/30/10	11:43	
ICSAB61	Tl	103.47973	106.01055	100.94892	3.45876	ug/L	09/30/10	11:43	
ICSAB61	V	522.20861	522.06903	522.34826	0.03781	ug/L	09/30/10	11:43	
ICSAB61	Zn	1024.93090	1025.77172	1024.09020	0.11600	ug/L	09/30/10	11:43	
ICSAB61	2203/1	77.02716	86.22073	67.83358	16.87933	ug/L	09/30/10	11:43	
ICSAB61	2203/2	38.99864	33.53868	44.45859	19.79952	ug/L	09/30/10	11:43	
ICSAB61	1960/1	53.13376	60.50194	45.76558	19.61121	ug/L	09/30/10	11:43	
ICSAB61	1960/2	55.10519	53.55513	56.65525	3.97806	ug/L	09/30/10	11:43	
ICSAB61	Y	1017.91796	1016.64642	1019.18957	0.17666		09/30/10	11:43	

D092910

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	499.83526	500.41067	499.25985	0.16280	ug/L	09/30/10	11:48	
CCV	Al	4939.58251	4951.47265	4927.69238	0.34041	ug/L	09/30/10	11:48	
CCV	2Al	4.93968	4.95167	4.92768	0.34330	mg/L	09/30/10	11:48	
CCV	As	502.50518	505.43499	499.57540	0.82453	ug/L	09/30/10	11:48	
CCV	B	5052.00390	5058.69775	5045.30957	0.18738	ug/L	09/30/10	11:48	
CCV	Ba	5041.18457	5040.69482	5041.67480	0.01374	ug/L	09/30/10	11:48	
CCV	Be	514.00341	513.67016	514.33660	0.09168	ug/L	09/30/10	11:48	
CCV	Ca	5115.41601	5124.62841	5106.20361	0.25468	ug/L	09/30/10	11:48	
CCV	Cd	516.06597	516.57458	515.55737	0.13937	ug/L	09/30/10	11:48	
CCV	Co	511.04919	512.37670	509.72171	0.36735	ug/L	09/30/10	11:48	
CCV	Cr	5136.78710	5138.81494	5134.75976	0.05582	ug/L	09/30/10	11:48	
CCV	Cu	4975.39892	4976.40722	4974.39062	0.02866	ug/L	09/30/10	11:48	
CCV	Fe	5022.76806	5022.38476	5023.15136	0.01079	ug/L	09/30/10	11:48	
CCV	2Fe	5.02277	5.02239	5.02315	0.01077	mg/L	09/30/10	11:48	
CCV	K	10301.82714	10313.79394	10289.86035	0.16427	ug/L	09/30/10	11:48	
CCV	Mg	5151.27392	5156.72753	5145.82031	0.14972	ug/L	09/30/10	11:48	
CCV	2Mg	5.15129	5.15674	5.14584	0.14970	mg/L	09/30/10	11:48	
CCV	Mn	5145.56250	5146.97998	5144.14550	0.03895	ug/L	09/30/10	11:48	
CCV	Mo	511.75503	513.75915	509.75091	0.55383	ug/L	09/30/10	11:48	
CCV	Na	7494.95751	7597.85156	7392.06347	1.94149	ug/L	09/30/10	11:48	
CCV	Ni	2559.36523	2562.23339	2556.49682	0.15849	ug/L	09/30/10	11:48	
CCV	Pb	516.02697	517.43066	514.62329	0.38469	ug/L	09/30/10	11:48	
CCV	Se	5078.39746	5082.93652	5073.85839	0.12640	ug/L	09/30/10	11:48	
CCV	Sb	498.73690	503.05749	494.41632	1.22514	ug/L	09/30/10	11:48	
CCV	Sn	5134.30957	5137.56884	5131.05029	0.08977	ug/L	09/30/10	11:48	
CCV	Sr	2566.68017	2571.10205	2562.25805	0.24364	ug/L	09/30/10	11:48	
CCV	Ti	501.90832	501.95864	501.85803	0.01417	ug/L	09/30/10	11:48	
CCV	Tl	5130.81835	5132.60839	5129.02783	0.04934	ug/L	09/30/10	11:48	
CCV	V	5056.02343	5057.87158	5054.17578	0.05168	ug/L	09/30/10	11:48	
CCV	Zn	2599.57324	2601.67919	2597.46704	0.11457	ug/L	09/30/10	11:48	
CCV	2203/1	520.45141	518.73315	522.16967	0.46690	ug/L	09/30/10	11:48	
CCV	2203/2	513.81396	516.77624	510.85165	0.81533	ug/L	09/30/10	11:48	
CCV	1960/1	5048.74511	5045.29296	5052.19726	0.09669	ug/L	09/30/10	11:48	
CCV	1960/2	5093.20117	5101.72998	5084.67285	0.23681	ug/L	09/30/10	11:48	
CCV	Y	1091.83789	1093.25036	1090.42553	0.18294		09/30/10	11:48	
CCB	Ag	0.91541	1.02896	0.80186	17.54196	ug/L	09/30/10	11:53	
CCB	Al	-0.13581	1.68501	-1.95663	1896.03442	ug/L	09/30/10	11:53	
CCB	2Al	-0.00013	0.00168	-0.00195	1895.85192	mg/L	09/30/10	11:53	
CCB	As	-1.05558	-2.08079	-0.03036	137.35284	ug/L	09/30/10	11:53	
CCB	B	10.72479	13.83431	7.61526	41.00342	ug/L	09/30/10	11:53	
CCB	Ba	0.41076	0.48497	0.33655	25.54873	ug/L	09/30/10	11:53	
CCB	Be	0.06323	0.05683	0.06963	14.31606	ug/L	09/30/10	11:53	
CCB	Ca	2.46884	1.84441	3.09327	35.76903	ug/L	09/30/10	11:53	
CCB	Cd	-0.12254	-0.04034	-0.20475	94.86543	ug/L	09/30/10	11:53	
CCB	Co	-0.49187	-0.72439	-0.25936	66.85144	ug/L	09/30/10	11:53	
CCB	Cr	0.25820	0.41784	0.09855	87.43879	ug/L	09/30/10	11:53	
CCB	Cu	-0.64794	-0.83573	-0.46016	40.98681	ug/L	09/30/10	11:53	
CCB	Fe	10.10545	5.07038	15.14053	70.46361	ug/L	09/30/10	11:53	
CCB	2Fe	0.01010	0.00506	0.01513	70.46517	mg/L	09/30/10	11:53	
CCB	K	34.78650	32.21187	37.36113	10.46691	ug/L	09/30/10	11:53	
CCB	Mg	4.54576	6.05512	3.03641	46.95671	ug/L	09/30/10	11:53	
CCB	2Mg	0.00454	0.00605	0.00303	47.00225	mg/L	09/30/10	11:53	
CCB	Mn	0.23975	0.29218	0.18732	30.92733	ug/L	09/30/10	11:53	
CCB	Mo	1.50792	1.61691	1.39893	10.22136	ug/L	09/30/10	11:53	
CCB	Na	412.34585	508.93045	315.76126	33.12540	ug/L	09/30/10	11:53	
CCB	Ni	0.26901	0.12489	0.41313	75.76382	ug/L	09/30/10	11:53	
CCB	Pb	-0.58091	-0.62549	-0.53632	10.85389	ug/L	09/30/10	11:53	
CCB	Se	3.78749	2.51925	5.05573	47.35490	ug/L	09/30/10	11:53	
CCB	Sb	3.50163	5.56917	1.43409	83.50212	ug/L	09/30/10	11:53	
CCB	Sn	0.06248	-1.02831	1.15328	2468.63012	ug/L	09/30/10	11:53	
CCB	Sr	0.10169	0.13983	0.06355	53.04030	ug/L	09/30/10	11:53	
CCB	Ti	0.30022	0.60894	-0.00849	145.42350	ug/L	09/30/10	11:53	
CCB	Tl	4.43563	3.36799	5.50327	34.03956	ug/L	09/30/10	11:53	
CCB	V	1.32395	1.09574	1.55215	24.37634	ug/L	09/30/10	11:53	
CCB	Zn	0.06250	0.03079	0.09420	71.73673	ug/L	09/30/10	11:53	
CCB	2203/1	7.17571	7.50538	6.84603	6.49738	ug/L	09/30/10	11:53	
CCB	2203/2	-4.45340	-4.68484	-4.22197	7.34937	ug/L	09/30/10	11:53	
CCB	1960/1	11.59131	10.86166	12.32095	8.90211	ug/L	09/30/10	11:53	
CCB	1960/2	-0.10856	-1.64570	1.42856	2002.29663	ug/L	09/30/10	11:53	
CCB	Y	1086.33349	1087.46875	1085.19836	0.14778		09/30/10	11:53	


WinIQ Database 1.1
File Utility Help
Protocol HGNORM
Dataset/Plate B0924108/HGNORM
Protocol
Line info
Cal Curve
Report
Ctrl Chart
Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.146176-5
C 4.910276-2
Rho 399730
Type
Calibrated
Accepted
Accept
Rel Abs.
436160
Accepted
New
Include 54 Rep 1
Conc. 5.000
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.0358 -.0358 1158 1 1158
02 .20000 .1751 -.0249 19564 0% 19563
03 .40000 .4009 .0009 39260 0% 39259
04 1.0000 1.043 .0428 95268 0% 95268
05 2.0000 2.067 .0670 271870 0% 271885
06 5.0000 4.950 -.0500 436160 0% 436160
Ready
CAP NUM

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  1       10:18:03 24 Sep 10   HG

Hg    .0000   ppb      1158

*** Standard: 2 Rep: 1              Seq:  2       10:20:52 24 Sep 10   HG

Hg    .2000   ppb      19563

*** Standard: 3 Rep: 1              Seq:  3       10:23:44 24 Sep 10   HG

Hg    .4000   ppb      39259

*** Standard: 4 Rep: 1              Seq:  4       10:26:33 24 Sep 10   HG

Hg    1.000   ppb      95268

*** Standard: 5 Rep: 1              Seq:  5       10:29:35 24 Sep 10   HG

Hg    3.000   ppb      271869

*** Standard: 6 Rep: 1              Seq:  6       10:32:26 24 Sep 10   HG

Hg    5.000   ppb      436160

*** Check Standard: 3  Ck3ICV       Seq:  7       10:35:16 24 Sep 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           104.0    4.162   4.000  ppb        .0000 %

*** Check Standard: 4  Ck4ICB       Seq:  8       10:38:16 24 Sep 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg       L  -53.50   -.0535   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  9       10:44:59 24 Sep 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           104.6    3.137   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  10      10:48:24 24 Sep 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg       L  -31.68   -.0317   .1000  ppb        .0000 %

*** Sample ID: 0.20 RL               Seq:  11      10:51:15 24 Sep 10   HG

Hg    .2172   ppb       .0000 %   .2172

*** Sample ID: PBW                   Seq:  12      10:54:17 24 Sep 10   HG
                            7470 CE/JV 180681
Hg   -.0286   ppb       .0000 %  -.0286

*** Sample ID: LCS                   Seq:  13      10:57:30 24 Sep 10   HG
                            7470 CE/JV 180681
Hg    2.463   ppb       .0000 %   2.463

*** Sample ID: 61298-1               Seq:  14      11:01:14 24 Sep 10   HG
                            7470 CE/JV 180681
Hg   -.0578   ppb       .0000 %  -.0578
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 61298-1D                Seq:  15     11:04:14 24 Sep 10   HG
                            7470 CE/JV 180681
Hg   -.0515   ppb        .0000 %  -.0515

*** Sample ID: 61298-1S                Seq:  16     11:07:05 24 Sep 10   HG
                            7470 CE/JV 180681
Hg    1.089   ppb        .0000 %   1.089

*** Sample ID: 61298-2                 Seq:  17     11:10:06 24 Sep 10   HG
                            7470 CE/JV 180681
Hg   -.0477   ppb        .0000 %  -.0477

*** Sample ID: 61298-5                 Seq:  18     11:13:06 24 Sep 10   HG
                            7470 CE/JV 180681
Hg   -.0428   ppb        .0000 %  -.0428

*** Sample ID: 61298-7                 Seq:  19     11:15:56 24 Sep 10   HG
                            7470 CE/JV 180681
Hg   -.0315   ppb        .0000 %  -.0315

*** Sample ID: MB 180781               Seq:  20     11:18:56 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0184   ppb        .0000 %  -.0184

*** Check Standard: 7  Ck7CCV          Seq:  21     11:21:50 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          102.8    3.084   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB          Seq:  22     11:24:56 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L   .5952    .0006   .1000  ppb        .0000 %

*** Sample ID: LLCS180781              Seq:  23     11:27:45 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg    .4481   ppb        .0000 %   .4481

*** Sample ID: LCS 180781              Seq:  24     11:31:00 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg    2.215   ppb        .0000 %   2.215

*** Sample ID: 61222-2                 Seq:  25     11:34:09 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0045   ppb        .0000 %  -.0045

*** Sample ID: 61228-1                 Seq:  26     11:37:00 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0518   ppb        .0000 %  -.0518

*** Sample ID: 61228-1MS               Seq:  27     11:39:52 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg    .9092   ppb        .0000 %   .9092

*** Sample ID: 61228-1MSD              Seq:  28     11:42:46 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg    .8421   ppb        .0000 %   .8421
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 61228-2                Seq:  29     11:45:35 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0333   ppb       .0000 %  -.0333

*** Sample ID: 61228-3                Seq:  30     11:48:58 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0318   ppb       .0000 %  -.0318

*** Sample ID: 37265-1                Seq:  31     11:52:02 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg    .0384   ppb       .0000 %   .0384

*** Sample ID: 61295-1                Seq:  32     11:54:53 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg    .0636   ppb       .0000 %   .0636

*** Check Standard: 7  Ck7CCV         Seq:  33     11:58:32 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.6    3.109   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  34     12:02:20 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -15.99   -.0160   .1000  ppb        .0000 %

*** Sample ID: 61338-1                Seq:  35     12:05:19 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg    .1026   ppb       .0000 %   .1026

*** Sample ID: 61338-2                Seq:  36     12:08:10 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg    .0490   ppb       .0000 %   .0490

*** Sample ID: 61338-3                Seq:  37     12:11:04 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0288   ppb       .0000 %  -.0288

*** Sample ID: 61338-4                Seq:  38     12:14:03 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0270   ppb       .0000 %  -.0270

*** Sample ID: 61338-5                Seq:  39     12:16:54 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0061   ppb       .0000 %  -.0061

*** Sample ID: 61338-6                Seq:  40     12:19:48 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0416   ppb       .0000 %  -.0416

*** Sample ID: 61338-7                Seq:  41     12:22:51 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0354   ppb       .0000 %  -.0354

*** Sample ID: 61338-8                Seq:  42     12:25:50 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0256   ppb       .0000 %  -.0256
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 61338-9                Seq:  43     12:29:33 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0054   ppb       .0000 %  -.0054

*** Sample ID: 61338-10               Seq:  44     12:33:19 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0432   ppb       .0000 %  -.0432

*** Check Standard: 7  Ck7CCV         Seq:  45     12:36:53 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          105.9    3.177   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  46     12:40:05 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -8.654   -.0087   .1000  ppb        .0000 %

*** Sample ID: 61338-11               Seq:  47     12:42:56 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0179   ppb       .0000 %  -.0179

*** Sample ID: 61338-12               Seq:  48     12:45:47 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0471   ppb       .0000 %  -.0471

*** Sample ID: 61428-1                Seq:  49     12:48:58 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0296   ppb       .0000 %  -.0296

*** Sample ID: 61428-1MS              Seq:  50     12:51:52 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg    .7277   ppb       .0000 %   .7277

*** Sample ID: 61338-13               Seq:  51     12:55:03 24 Sep 10   HG
                            245.1 CE/JV 180781
Hg   -.0427   ppb       .0000 %  -.0427

*** Sample ID: MB 180795              Seq:  52     12:58:04 24 Sep 10   HG
                            245.1 CE/JV 180795
Hg   -.0295   ppb       .0000 %  -.0295

*** Sample ID: LLCS180795             Seq:  53     13:00:57 24 Sep 10   HG
                            245.1 CE/JV 180795
Hg    .1366   ppb       .0000 %   .1366

*** Sample ID: LCS 180795             Seq:  54     13:04:43 24 Sep 10   HG
                            245.1 CE/JV 180795
Hg    2.046   ppb       .0000 %   2.046

*** Check Standard: 7  Ck7CCV         Seq:  55     13:08:43 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          105.2    3.157   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB         Seq:  56     13:11:33 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -17.48   -.0175   .1000  ppb        .0000 %
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: LCS 180795            Seq:  57     13:14:23 24 Sep 10   HG
                            245.1 CE/JV 180795
Hg    2.014   ppb       .0000 %   2.014

*** Sample ID: 61424-1               Seq:  58     13:17:14 24 Sep 10   HG
                            245.1 CE/JV 180795
Hg   -.0716   ppb       .0000 %  -.0716

*** Sample ID: 61424-2               Seq:  59     13:20:24 24 Sep 10   HG
                            245.1 CE/JV 180795
Hg   -.0515   ppb       .0000 %  -.0515

*** Sample ID: 61424-3               Seq:  60     13:23:18 24 Sep 10   HG
                            245.1 CE/JV 180795
Hg   -.0332   ppb       .0000 %  -.0332

*** Sample ID: 61424-4               Seq:  61     13:26:08 24 Sep 10   HG
                            245.1 CE/JV 180795
Hg   -.0417   ppb       .0000 %  -.0417

*** Sample ID: 61424-5               Seq:  62     13:29:01 24 Sep 10   HG
                            245.1 CE/JV 180795
Hg   -.0429   ppb       .0000 %  -.0429

*** Sample ID: 61463-1               Seq:  63     13:33:09 24 Sep 10   HG
                            245.1 CE/JV 180795
Hg   -.0607   ppb       .0000 %  -.0607

*** Sample ID: 61463-2               Seq:  64     13:36:54 24 Sep 10   HG
                            245.1 CE/JV 180795
Hg   -.0216   ppb       .0000 %  -.0216

*** Sample ID: 61463-3               Seq:  65     13:39:46 24 Sep 10   HG
                            245.1 CE/JV 180795
Hg   -.0096   ppb       .0000 %  -.0096

*** Sample ID: 61332-1               Seq:  66     13:42:40 24 Sep 10   HG
                            245.1 CE/JV 180795
Hg   -.0193   ppb       .0000 %  -.0193

*** Check Standard: 7  Ck7CCV        Seq:  67     13:45:40 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          108.8    3.263   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  68     13:48:30 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -36.07   -.0361   .1000  ppb        .0000 %

*** Sample ID: 61332-1MS             Seq:  69     13:51:20 24 Sep 10   HG
                            245.1 CE/JV 180795
Hg    .9025   ppb       .0000 %   .9025

*** Sample ID: 61332-1MSD            Seq:  70     13:54:41 24 Sep 10   HG
                            245.1 CE/JV 180795
Hg    .9274   ppb       .0000 %   .9274
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: LB 180770            Seq:  71     13:57:35 24 Sep 10   HG
                            7470_L CE/JV 180810
Hg   -.0413   ppb       .0000 %  -.0413

*** Sample ID: LCS 180810           Seq:  72     14:00:28 24 Sep 10   HG
                            7470_L CE/JV 180810
Hg    2.190   ppb       .0000 %   2.190

*** Sample ID: LCSD180810           Seq:  73     14:03:52 24 Sep 10   HG
                            7470_L CE/JV 180810
Hg    2.257   ppb       .0000 %   2.257

*** Sample ID: 61419-8              Seq:  74     14:06:56 24 Sep 10   HG
                            7470_L CE/JV 180810
Hg   -.0689   ppb       .0000 %  -.0689

*** Sample ID: 61419-9              Seq:  75     14:09:49 24 Sep 10   HG
                            7470_L CE/JV 180810
Hg   -.0585   ppb       .0000 %  -.0585

*** Sample ID: 61418-1              Seq:  76     14:12:41 24 Sep 10   HG
                            7470_L CE/JV 180810
Hg   -.0403   ppb       .0000 %  -.0403

*** Sample ID: 61418-1MS            Seq:  77     14:15:50 24 Sep 10   HG
                            7470_L CE/JV 180810
Hg    .8771   ppb       .0000 %   .8771

*** Sample ID: 61418-1MSD           Seq:  78     14:18:45 24 Sep 10   HG
                            7470_L CE/JV 180810
Hg    .8625   ppb       .0000 %   .8625

*** Check Standard: 7  Ck7CCV       Seq:  79     14:21:38 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          107.4    3.222   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  80     14:24:28 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -13.02   -.0130   .1000  ppb        .0000 %

*** Sample ID: LB 180509            Seq:  81     14:27:19 24 Sep 10   HG
                            7470_L CE/JV 180810
Hg   -.0398   ppb       .0000 %  -.0398

*** Sample ID: 61260-1              Seq:  82     14:30:12 24 Sep 10   HG
                            7470_L CE/JV 180810
Hg   -.0490   ppb       .0000 %  -.0490

*** Sample ID: LB 180683            Seq:  83     14:33:02 24 Sep 10   HG
                            7470_L CE/JV 180810
Hg    3.219   ppb       .0000 %   3.219

*** Sample ID: 61337-2              Seq:  84     14:36:03 24 Sep 10   HG
                            7470_L CE/JV 180810
Hg   -.0729   ppb       .0000 %  -.0729
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 61337-3                Seq:  85     14:39:04 24 Sep 10   HG
                            7470_L CE/JV 180810
Hg   -.0355   ppb        .0000 %  -.0355

*** Sample ID: LB 180663              Seq:  86     14:42:00 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0608   ppb        .0000 %  -.0608

*** Sample ID: LCS 180825             Seq:  87     14:45:04 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg    2.264   ppb        .0000 %   2.264

*** Sample ID: 37258-1                Seq:  88     14:47:57 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0441   ppb        .0000 %  -.0441

*** Sample ID: 37258-2                Seq:  89     14:50:58 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0220   ppb        .0000 %  -.0220

*** Sample ID: 37258-3                Seq:  90     14:54:00 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0435   ppb        .0000 %  -.0435

*** Check Standard: 7  Ck7CCV        Seq:  91     14:56:53 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          107.1    3.213   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  92     14:59:44 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -37.22   -.0372   .1000  ppb        .0000 %

*** Sample ID: 37258-4                Seq:  93     15:02:37 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0206   ppb        .0000 %  -.0206

*** Sample ID: 37258-5                Seq:  94     15:05:31 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0515   ppb        .0000 %  -.0515

*** Sample ID: 37258-6                Seq:  95     15:08:25 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0460   ppb        .0000 %  -.0460

*** Sample ID: 37258-7                Seq:  96     15:11:16 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0358   ppb        .0000 %  -.0358

*** Sample ID: 37258-8                Seq:  97     15:14:10 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0495   ppb        .0000 %  -.0495

*** Sample ID: 37258-9                Seq:  98     15:17:03 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0544   ppb        .0000 %  -.0544
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 37258-10                Seq:  99     15:20:09 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0380   ppb        .0000 %  -.0380

*** Sample ID: 37258-10MS              Seq:  100    15:23:05 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg    .9584   ppb        .0000 %   .9584

*** Sample ID: 37258-10SD              Seq:  101    15:25:57 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg    .9174   ppb        .0000 %   .9174

*** Sample ID: 37258-11                Seq:  102    15:28:58 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0426   ppb        .0000 %  -.0426

*** Check Standard: 7  Ck7CCV        Seq:  103     15:31:54 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          108.9    3.268   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  104     15:34:55 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -18.90   -.0189   .1000  ppb        .0000 %

*** Sample ID: 37258-12                Seq:  105    15:37:58 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0437   ppb        .0000 %  -.0437

*** Sample ID: 37258-13                Seq:  106    15:40:59 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0406   ppb        .0000 %  -.0406

*** Sample ID: 37258-14                Seq:  107    15:43:52 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0426   ppb        .0000 %  -.0426

*** Sample ID: 37258-15                Seq:  108    15:46:48 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0216   ppb        .0000 %  -.0216

*** Sample ID: 37258-16                Seq:  109    15:49:49 24 Sep 10   HG
                            7470_L CE/JV 180825
Hg   -.0707   ppb        .0000 %  -.0707

*** Check Standard: 7  Ck7CCV        Seq:  110     15:52:40 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          109.1    3.273   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  111     15:55:41 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          23.00    .0230   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV        Seq:  112     16:38:23 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          110.9    3.326   3.000  ppb        .0000 %
```

```
Line    Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 6  Ck6CCB        Seq:  113     16:41:15 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -41.16   -.0412   .1000  ppb        .0000 %

*** Sample ID: LB 180683             Seq:  114     16:44:08 24 Sep 10   HG
                          7470_L CE/JV 180810
Hg    3.257   ppb       .0000 %   3.257

*** Sample ID: LCS 180795            Seq:  115     16:47:01 24 Sep 10   HG
                          245.1 CE/JV 180795
Hg    2.370   ppb       .0000 %   2.370

*** Sample ID: MB 180822             Seq:  116     16:49:52 24 Sep 10   HG
                          7471 CE/JV 180822
Hg   -.0668   ppb       .0000 %  -.0668

*** Sample ID: LCS 180822            Seq:  117     16:52:46 24 Sep 10   HG
                          7471 CE/JV 180822
Hg    2.309   ppb       .0000 %   2.309

*** Sample ID: 61464-1               Seq:  118     16:56:06 24 Sep 10   HG
                          7471 CE/JV 180822
Hg    .0407   ppb       .0000 %   .0407

*** Sample ID: 61464-2               Seq:  119     16:58:59 24 Sep 10   HG
                          7471 CE/JV 180822
Hg   -.0674   ppb       .0000 %  -.0674

*** Sample ID: 61464-3               Seq:  120     17:01:52 24 Sep 10   HG
                          7471 CE/JV 180822
Hg   -.0203   ppb       .0000 %  -.0203

*** Sample ID: 61464-4               Seq:  121     17:04:41 24 Sep 10   HG
                          7471 CE/JV 180822
Hg   -.0282   ppb       .0000 %  -.0282

*** Sample ID: 61464-5               Seq:  122     17:08:11 24 Sep 10   HG
                          7471 CE/JV 180822
Hg   -.0389   ppb       .0000 %  -.0389

*** Sample ID: 61464-6               Seq:  123     17:11:06 24 Sep 10   HG
                          7471 CE/JV 180822
Hg   -.0454   ppb       .0000 %  -.0454

*** Check Standard: 7  Ck7CCV        Seq:  124     17:13:59 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          110.4    3.312   3.000  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  125     17:16:51 24 Sep 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -43.26   -.0433   .1000  ppb        .0000 %
```

```
Line    Conc.  Units      SD/RSD       1        2        3        4        5
-----------------------------------------------------------------------------------

*** Sample ID: 61464-7                    Seq:  126     17:19:41 24 Sep 10    HG
                              7471 CE/JV 180822
Hg     .0015   ppb        .0000 %   .0015

*** Sample ID: 61464-8                    Seq:  127     17:22:52 24 Sep 10    HG
                              7471 CE/JV 180822
Hg     .0090   ppb        .0000 %   .0090

*** Sample ID: 61464-9                    Seq:  128     17:25:47 24 Sep 10    HG
                              7471 CE/JV 180822
Hg    -.0094   ppb        .0000 %  -.0094

*** Sample ID: 61464-9                    Seq:  129     17:29:19 24 Sep 10    HG
                              7471 CE/JV 180822
Hg     .9257   ppb        .0000 %   .9257

*** Sample ID: 61464-9                    Seq:  130     17:32:10 24 Sep 10    HG
                              7471 CE/JV 180822
Hg     .9576   ppb        .0000 %   .9576

*** Sample ID: 61464-10                   Seq:  131     17:35:11 24 Sep 10    HG
                              7471 CE/JV 180822
Hg     .1126   ppb        .0000 %   .1126

*** Sample ID: 61464-11                   Seq:  132     17:38:14 24 Sep 10    HG
                              7471 CE/JV 180822
Hg    -.0493   ppb        .0000 %  -.0493

*** Sample ID: 61449-4                    Seq:  133     17:41:28 24 Sep 10    HG
                              7471 CE/JV 180822
Hg    -.0165   ppb        .0000 %  -.0165

*** Check Standard: 7  Ck7CCV             Seq:  134     17:45:00 24 Sep 10    HG
Line   Flag  %Rcv.    Found     True  Units       SD/RSD
Hg           110.4    3.313    3.000  ppb         .0000 %

*** Check Standard: 6  Ck6CCB             Seq:  135     17:47:52 24 Sep 10    HG
Line   Flag  %Rcv.    Found     True  Units       SD/RSD
Hg       L  -29.25   -.0293    .1000  ppb         .0000 %
```

Metals Worksheet

Batch Number: 680-180784
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Sep 23 2010 9:13AM
Batch End: Sep 23 2010 1:20PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	P_Spike1_00052	P_SPIKEII_00023	P_TEFLONCH_00007
680-61464-A-1			T	1.01 g	100 mL			
680-61464-A-2			T	1.08 g	100 mL			
680-61464-A-3			T	1.09 g	100 mL			
680-61464-A-4			T	1.06 g	100 mL			
680-61464-A-5			T	1.02 g	100 mL			
680-61464-A-6	C-B82-GTM2-SW-01	3050B, 6010C	T	1.03 g	100 mL			
680-61464-A-7	C-B82-GTM2-SW-02	3050B, 6010C	T	1.04 g	100 mL			
680-61464-A-8	C-B82-GTM2-SW-02D	3050B, 6010C	T	1.11 g	100 mL			
680-61464-A-9	C-B82-GTM2-SW-03	3050B, 6010C	T	1.05 g	100 mL			
680-61464-A-9~MS	C-B82-GTM2-SW-03	3050B, 6010C	T	1.05 g	100 mL	1.0 mL	1.0 mL	
680-61464-A-9~MSD	C-B82-GTM2-SW-03	3050B, 6010C	T	1.05 g	100 mL	1.0 mL	1.0 mL	
680-61464-A-10	C-B82-GTM2-SW-04	3050B, 6010C	T	1.02 g	100 mL			
680-61464-A-11	C-B82-GTM2-B-5	3050B, 6010C	T	1.07 g	100 mL			
680-61449-C-4			T	1.05 g	100 mL			
MB~680-180784/15		3050B, 6010C		1.00 g	100 mL			1.00 g
LCS~680-180784/16		3050B, 6010C		1.00 g	100 mL	1.0 mL	1.0 mL	1.00 g

Nominal Amount Used:	1.0 g	Oven, Bath or Block Temperature 2:	N/A Degrees C
Digestion Tube/Cup Lot #:	1001171		
Blank Soil Lot Number:	P-TEFLONCH00007		
Balance ID:	5		
Hood ID or number:	FH-8		
Hot Block ID number:	9		
Lot # of hydrochloric acid:	H45A18		
Lot # of Nitric Acid:	311045		
Logbook ID for diluted Nitric:	N/A		
Hydrogen peroxide lot number:	50153024		
ID number of the thermometer:	MESD1		
Temperature:	94 Degrees C		
Acid used for pH adjustment:	N/A		
Pipette ID:	PREP-20		
Analyst:	HM		
First Start time:	N/A		
First End time:	N/A		
Person's name who witnessed reagent drop:	N/A		
Oven, Bath or Block Temperature 1:	94 Degrees C		

Metals Worksheet

Batch Number: 680-180784
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Sep 23 2010 9:13AM
Batch End: Sep 23 2010 1:20PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
680-61464-A-1			T	
680-61464-A-2			T	
680-61464-A-3			T	
680-61464-A-4			T	
680-61464-A-5			T	
680-61464-A-6	C-B82-GTM2-SW-01	3050B, 6010C	T	
680-61464-A-7	C-B82-GTM2-SW-02	3050B, 6010C	T	
680-61464-A-8	C-B82-GTM2-SW-02D	3050B, 6010C	T	
680-61464-A-9	C-B82-GTM2-SW-03	3050B, 6010C	T	
680-61464-A-9~MS	C-B82-GTM2-SW-03	3050B, 6010C	T	
680-61464-A-9~MSD	C-B82-GTM2-SW-03	3050B, 6010C	T	
680-61464-A-10	C-B82-GTM2-SW-04	3050B, 6010C	T	
680-61464-A-11	C-B82-GTM2-B-5	3050B, 6010C	T	
680-61449-C-4			T	
MB~680-180784/15		3050B, 6010C		
LCS~680-180784/16		3050B, 6010C		

Batch Comment: N/A

Metals Worksheet

Batch Number: 680-180822
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Sep 23 2010 12:19PM
Batch End: Sep 23 2010 3:00PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Hg_Int_Cal_00049
MB~680-180822/1		7471B, 7471B		0.50 g	50 mL	
LCS~680-180822/2		7471B, 7471B		0.50 g	50 mL	0.25 mL
680-61464-A-1			T	0.53 g	50 mL	
680-61464-A-2			T	0.51 g	50 mL	
680-61464-A-3			T	0.51 g	50 mL	
680-61464-A-4			T	0.50 g	50 mL	
680-61464-A-5			T	0.52 g	50 mL	
680-61464-A-6	C-B82-GTM2-SW-01	7471B, 7471B	T	0.52 g	50 mL	
680-61464-A-7	C-B82-GTM2-SW-02	7471B, 7471B	T	0.50 g	50 mL	
680-61464-A-8	C-B82-GTM2-SW-02D	7471B, 7471B	T	0.50 g	50 mL	
680-61464-A-9	C-B82-GTM2-SW-03	7471B, 7471B	T	0.50 g	50 mL	
680-61464-A-9~MS	C-B82-GTM2-SW-03	7471B, 7471B	T	0.50 g	50 mL	0.10 mL
680-61464-A-9~MSD	C-B82-GTM2-SW-03	7471B, 7471B	T	0.50 g	50 mL	0.10 mL
680-61464-A-10	C-B82-GTM2-SW-04	7471B, 7471B	T	0.51 g	50 mL	
680-61464-A-11	C-B82-GTM2-B-5	7471B, 7471B	T	0.52 g	50 mL	
680-61449-C-4			T	0.52 g	50 mL	
680-61417-C-1			T	0.50 g	50 mL	
680-61408-A-1-A			P	0.50 g	50 mL	
680-61408-A-3-A			P	0.51 g	50 mL	
680-61408-A-5-A			P	0.51 g	50 mL	
680-61408-A-7-A			P	0.52 g	50 mL	
680-61408-A-9-A			P	0.52 g	50 mL	
680-61337-B-2-A			P	0.51 g	50 mL	

Acid used for pH adjustment:	n/a	Sulfuric Acid Lot Number:	1920588
Nominal Amount Used:	0.5 g	Hydroxylamine Sulfate Lot Number:	1914492
SOP Number:	ME 28	Potassium Persulfate Lot Number:	1959850
Digestion Tube/Cup Lot #:	1005282	Stannous Chloride Lot Number:	N/A
Hot Block ID number:	HF-6	Oven, Bath or Block Temperature 1:	90 %
Hood ID or number:	HF-6	NaCL Lot #:	1483774
Balance ID:	7	Aqua Regia Lot Number:	1950570
Blank Soil Lot Number:	TEFLONCP00006	Hydroxylamine Hydrochloride Lot:	N/A
Lot # of Nitric Acid:	1907877		
ID number of the thermometer:	MEWB2B		
Lot # of hydrochloric acid:	1907836		
Potassium Permanganate Lot Number:	1959851		

Metals Worksheet

Batch Number: 680-180822
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Sep 23 2010 12:19PM
Batch End: Sep 23 2010 3:00PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-180822/1		7471B, 7471B		
LCS~680-180822/2		7471B, 7471B		
680-61464-A-1			T	
680-61464-A-2			T	
680-61464-A-3			T	
680-61464-A-4			T	
680-61464-A-5			T	
680-61464-A-6	C-B82-GTM2-SW-01	7471B, 7471B	T	
680-61464-A-7	C-B82-GTM2-SW-02	7471B, 7471B	T	
680-61464-A-8	C-B82-GTM2-SW-02D	7471B, 7471B	T	
680-61464-A-9	C-B82-GTM2-SW-03	7471B, 7471B	T	
680-61464-A-9~MS	C-B82-GTM2-SW-03	7471B, 7471B	T	
680-61464-A-9~MSD	C-B82-GTM2-SW-03	7471B, 7471B	T	
680-61464-A-10	C-B82-GTM2-SW-04	7471B, 7471B	T	
680-61464-A-11	C-B82-GTM2-B-5	7471B, 7471B	T	
680-61449-C-4			T	
680-61417-C-1			T	
680-61408-A-1-A			P	
680-61408-A-3-A			P	
680-61408-A-5-A			P	
680-61408-A-7-A			P	
680-61408-A-9-A			P	
680-61337-B-2-A			P	

Batch Comment: N/A

Metals Worksheet

Batch Number: 680-181222
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Sep 28 2010 10:11AM
Batch End: Sep 28 2010 2:10PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	P_Spike1_00053	P_SPIKEII_00023	P_TEFLONCH_00007
680-61507-A-1			T	1.02 g	100 mL			
680-61566-B-1			T	1.04 g	100 mL			
680-61464-A-9	C-B82-GTM2-SW-03	3050B, 6010C	T	1.03 g	100 mL			
680-61464-A-9~MS	C-B82-GTM2-SW-03	3050B, 6010C	T	1.03 g	100 mL	1.0 mL	1.0 mL	
680-61464-A-9~MSD	C-B82-GTM2-SW-03	3050B, 6010C	T	1.03 g	100 mL	1.0 mL	1.0 mL	
680-61154-A-1				1.08 g	100 mL			
680-61154-A-1~MS				1.08 g	100 mL	1.0 mL	1.0 mL	
680-61154-A-1~MSD				1.08 g	100 mL	1.0 mL	1.0 mL	
MB~680-181222/9		3050B, 6010C		1.00 g	100 mL			1.00 mL
LCS~680-181222/10				1.00 g	100 mL	1.0 mL	1.0 mL	1.00 mL
680-61337-B-2-A				1.13 g	100 mL			
680-61337-A-3-A				1.05 g	100 mL			

Nominal Amount Used:	1.0 g
Digestion Tube/Cup Lot #:	1001171
Blank Soil Lot Number:	P-TEFLONCH-00007
Balance ID:	5
Hood ID or number:	FH-8
Hot Block ID number:	9
Lot # of hydrochloric acid:	H45A18
Lot # of Nitric Acid:	311045
Logbook ID for diluted Nitric:	N/A
Hydrogen peroxide lot number:	50153024
ID number of the thermometer:	MESD1
Temperature:	94 Degrees C
Acid used for pH adjustment:	N/A
Pipette ID:	PREP-20
Analyst:	HM
First Start time:	N/A
First End time:	N/A
Person's name who witnessed reagent drop:	N/A
Oven, Bath or Block Temperature 1:	94 Degrees C
Oven, Bath or Block Temperature 2:	N/A Degrees C

Metals Worksheet

Batch Number: 680-181222
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Sep 28 2010 10:11AM
Batch End: Sep 28 2010 2:10PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
680-61507-A-1			T	
680-61566-B-1			T	
680-61464-A-9	C-B82-GTM2-SW-03	3050B, 6010C	T	
680-61464-A-9~MS	C-B82-GTM2-SW-03	3050B, 6010C	T	
680-61464-A-9~MSD	C-B82-GTM2-SW-03	3050B, 6010C	T	
680-61154-A-1				
680-61154-A-1~MS				
680-61154-A-1~MSD				
MB~680-181222/9		3050B, 6010C		
LCS~680-181222/10				
680-61337-B-2-A				
680-61337-A-3-A				

Batch Comment: N/A

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-61464-2

SDG No.: 67834

Project: CT048 Bldg. 92, SOWEY

Client Sample ID	Lab Sample ID
C-B82-GTM2-SW-01	680-61464-6
C-B82-GTM2-SW-02	680-61464-7
C-B82-GTM2-SW-02D	680-61464-8
C-B82-GTM2-SW-03	680-61464-9
C-B82-GTM2-SW-04	680-61464-10
C-B82-GTM2-B-5	680-61464-11

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-61464-2

SDG Number: 67834

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: Moisture RL Date: 01/01/2005 13:43

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.01	

FORM IX - IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-61464-2

SDG No.: 67834

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/23/2010 09:24 End Date: 09/23/2010 09:24

Lab Sample ID	D/F	Type	Time	Analytes																			
				Moist																			
ZZZZZZ			09:24																				
ZZZZZZ			09:24																				
ZZZZZZ			09:24																				
680-61464-6	1	T	09:24	X																			
680-61464-7	1	T	09:24	X																			
680-61464-8	1	T	09:24	X																			
680-61464-9	1	T	09:24	X																			
680-61464-9 MS	1	T	09:24	X																			
680-61464-9 MSD	1	T	09:24	X																			
680-61464-10	1	T	09:24	X																			
680-61464-11	1	T	09:24	X																			

Prep Types
T = Total/NA

General Chemistry Worksheet

Batch Number: 680-180787
Method: Moisture
Analyst: Swafford, Frances

Date Open: Sep 23 2010 9:24AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
680-61416-A-1			T	NA	1.34 g	13.29 g	11.95 g
680-61417-B-1			T	NA	1.34 g	10.78 g	8.69 g
680-61449-D-4			T	NA	1.34 g	13.75 g	9.57 g
680-61464-A-6	C-B82-GTM2-SW-01	Moisture	T	NA	1.33 g	12.61 g	11.98 g
680-61464-A-7	C-B82-GTM2-SW-02	Moisture	T	NA	1.34 g	13.88 g	12.97 g
680-61464-A-8	C-B82-GTM2-SW-02D	Moisture	T	NA	1.33 g	12.74 g	11.78 g
680-61464-A-9	C-B82-GTM2-SW-03	Moisture	T	NA	1.34 g	11.35 g	11.01 g
680-61464-A-9~MS	C-B82-GTM2-SW-03	Moisture	T	NA	1.32 g	11.77 g	11.46 g
680-61464-A-9~MSD	C-B82-GTM2-SW-03	Moisture	T	NA	1.32 g	11.77 g	11.46 g
680-61464-A-10	C-B82-GTM2-SW-04	Moisture	T	NA	1.34 g	12.58 g	11.42 g
680-61464-A-11	C-B82-GTM2-B-5	Moisture	T	NA	1.33 g	11.78 g	9.46 g

Balance ID:	19 No Unit
Date samples were place in the oven:	09.23.10
Time samples were place in the oven:	09:45
Oven Temp when samples are put in oven:	103 Degrees C
Date samples were removed from oven:	09.24.10
Time Samples were removed from oven:	08:52
Oven Temp when samples removed from oven:	104 Degrees C
Oven ID:	MEO1
ID number of the thermometer:	ME02-A

Shipping and Receiving Documents

Login Sample Receipt Check List

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-61464-2
SDG Number: 67834

Login Number: 61464
Creator: Daughtry, Beth
List Number: 1

List Source: TestAmerica Savannah

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

CHAIN OF CUSTODIES

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 5 06/18/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 8° just sampled on ice
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: EPH/metals 9/20/10 Cooler 84 VPH+VOC KEZ 09/21/10

Project#: CT048 Proj. Name: Bldg 82, SOWEY
Company: Tetra Tech Inc.
Contact: Brian Corbett
Address: 160 ~~133~~ Federal Street
Boston, MA 02110
Phone: 1-617-~~457-8200~~ 443-7500 PO# Quote #
Sampler (Signature): Paul W Anderson

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Preservation

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
C-B82-GTM1-SW-01	9-20-10	1105	EPH, VPH, TCLVOC	✓	✓				✓	✓	S	6	40ml 4oz		67836 1
C-B82-GTM1-SW-02	"	1110	" " "	✓	✓				✓	✓	S	"	"		67834 2
C-B82-GTM1-SW-03	"	1130	" " "	✓	✓				✓	✓	S	"	"		3
C-B82-GTM1-SW-04	"	1135	" " "	✓	✓				✓	✓	S	"	"		4
C-B82-GTM1-B5	"	1145	" " "	✓	✓				✓	✓	S	"	"		5
C-B82-GTM1-B50	"	"	EPH	✓	✓						S	1	4oz		6
C-B82-GTM2-SW-01	"	1230	VPH, Metals, TCLVOC	✓	✓				✓	✓	S	6	40ml 4oz		7
C-B82-GTM2-SW-02	"	1250	VPH, TAL Metals, TCLVOC	✓	✓				✓	✓	S	"	"		8
C-B82-GTM2-SW-02D	"	1250	TAL Metals	✓	✓						S	1	4oz		9
Trip Blank	9-20-10	1550	TCL VOC		✓					✓	W	2	40ml		10

Email Results to:

Comments / Instructions:

Turnaround Time (TAT)
- [ ] 24hr*
- [x] 48hr*
- [ ] 72hr*
- [ ] 5 Days*
- [ ] 10 Days

*Fee may apply; lab approval required

Project Requirements:
*Fee may apply

Report Type:
- [ ] MCP*
- [ ] Level II*
- [ ] CTRCP*
- [ ] Level III*
- [ ] DOD*
- [ ] Level IV*
- [ ] Standard

State:
- [ ] NH
- [ ] MA
- [ ] ME
- [ ] CT
- [ ] RI

Other:

State Standard: (eg. S-1 or GW-1)

EDD Required: Y* N

Type:

Relinquished By Sampler: Paul W Anderson 9-20-10 Time: 1615 Date: 9-20-10
Received By: 9-20-10
Relinquished By: Time: Date:
Received By: Time: Date:
Relinquished By: Time: Date:
Received By: Time: Date:

Analytics\AEL Documents\AEL COC

Page ____ of ____

analytic environmental laboratory LLC

195 Commerce W Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev 2/00

Samples were:
1) Shipped or ~~hand-delivered~~
2) Temp blank oC 8° on ice just sampled
3) Received in good condition (Y) or N
4) pH checked by: N/A
5) Labels checked by: mj ✓ EPH/metals 9/20/10
KGJ ✓ VPH + VOC 09/21/10

Project #: CT048 Proj. Name: Bldg. 82 South Weymouth

Company: TETRA TECH EC, INC.

Contact: Brian Corbett

Address: 160 Federal St
Boston MA 02110

Phone: (617) 443-7500 PO# Quote#

Sampler (Signature): Paul W Anderson

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge O=Oil
E=Extract X=Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Other	Matrix	Container number/type		pH	Analytics Sample #
C-B82-GTM2-SW-03	9-20-10	1255	TAL Metals, TCL VOC, VPH	✓	✓				✓	S	6 1	40ml. 4oz.		67834 -11
C-B82-GTM2-SW-03 ms/msD	"	1255	TAL Metals	✓	✓						2	4oz.		
C-B82-GTM2-SW-04	9-20-10	1300	TAL Metals, TCL VOC, VPH	✓	✓				✓	S	6 1	40ml. 4oz.		12
C-B82-GTM2-SW-04D	"	1300	TCL VOC	✓	✓				✓	S	4	40ml		13
C-B82-GTM2-B-5	"	1305	TAL Metals, TCL VOC, VPH	✓	✓				✓	S	6 1	40ml. 4oz.		14
C-B82-GTM3-SW-01	"	1325	EPH, TCL VOC, VPH	✓	✓				✓	S	6 1	40ml. 4oz.		15
C-B82-GTM3-SW-01 ms/msD	"	1325	EPH	✓	✓					S	2	4oz.		
C-B82-GTM3-SW-03	9-20-10	1415	EPH, TCL VOC, VPH	✓	✓				✓	S	6 1	40ml. 4oz.		16
C-B82-GTM3-B-5	"	1445	" " "	✓	✓				✓	S	6 1	40ml 4oz.		17
C-B82-GTM3-SW-04	"	1430	" " "	✓	✓				✓	S	6 1	40ml 4oz.		18
C-B82-GTM3-SW-04D	"	1430	VPH	✓	✓				✓	S	2	40ml.		19
C-B82-GTM3-SW-04 ms/msD	"	1430	"	✓	✓				✓	S	4	40ml.		18

FAX RESULTS? (YES) NO
Fax #

Turnaround Request
Standard ☐ Due Date
Priority ☐ Due Date

Comments / Instructions:
2 day turnaround

Client Code: FWECRI

Page ___ of ___

Received By:	Received by:	Received by:
Time: 1615	Time:	Time:
Date: 9-20-10	Date:	Date:
Relinquished by Sampler: Paul W Anderson	Relinquished by:	Relinquished by:

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 67834 COOLER NUMBER: 84

CLIENT: TTEC NUMBER OF COOLERS: 1

PROJECT: Bldg 82, Sowey DATE RECEIVED: 9/20/10

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 9/20/10

1. Cooler received by(initials): LM Date Received: 9/20/10

2. Circle one: Hand delivered (If so, skip 3) Shipped

3. Did cooler come with a shipping slip? Y N/A

3a. Enter carrier name and airbill number here: –

4. Were custody seals on the outside of cooler? Y N
How many & where: – Seal Date: – Seal Name: –

5. Did the custody seals arrive unbroken and intact upon arrival? Y N/A

6. COC#: N/A

7. Were Custody papers filled out properly (ink,signed, etc)? Y N

8. Were custody papers sealed in a plastic bag? Y N

9. Did you sign the COC in the appropriate place? Y N

10. Was the project identifiable from the COC papers? Y N

11. Was enough ice used to chill the cooler? Y N Temp. of cooler:

B. Log-In: Date samples were logged in: 9/21/10 By: CP / IA

12. Type of packing in cooler(bubble wrap,popcorn) Y N

13. Were all bottles sealed in separate plastic bags? Y N

14. Did all bottles arrive unbroken and were labels in good condition? Y N

15. Were all bottle labels complete(ID,Date,time,etc.) Y N

16. Did all bottle labels agree with custody papers? Y N

17. Were the correct containers used for the tests indicated: Y ~~N~~ CP 9/20/10

18. Were samples received at the correct pH? Y N/A

19. Was sufficient amount of sample sent for the tests indicated? Y N

20. Were bubbles absent in VOA samples? Y N/A

If NO, List Sample ID's and Lab #s:

21. Laboratory labeling verified by (initials): MJ KEZ Date: 9-20-10 – ✓ labels EPH tmetals
09/21/10 ✓ labels VPH +VOC

C:ANLYTICS LLC\AEL DOCUMENTS\FORMS\SMPL CHKLST\Edit 4908 Rev. 2, 4/13/10

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

October 3, 2010

Mr. Brian Corbett
Tetra TECH EC, Inc.
160 Federal Street, 6th Floor
Boston, MA 02110

RE: Analytical Results Case Narrative
Analytics # 67835
NAS SOWEY Blg. 82
South Weymouth, MA

Dear Mr. Corbett:

Enclosed please find the analytical results for samples collected from the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260B, Volatile Petroleum Hydrocarbons (VPH) using MADEP VPH Method Rev 1.1, May 2004, Extractable Petroleum Hydrocarbons by Massachusetts DEP EPH Method, Rev 1.1 May 2004 and TAL Metals. The TAL Metals analyses were subcontracted to Test America Laboratories, GA.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level IV package has been assembled in the following order:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- MCP Cover Pages
- Summary Report
- Sample Logbook Pages/Extraction Data Sheets
- VOA Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- VOA Form 2 Surrogate Recoveries
- VOA Form 3 MS/MSD (LCS) Recoveries
- VOA Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
- VOA Form 5 DFTPP Tune Summaries
- VOA Form 6 Initial Calibration Data (equiv.) Response Factor Report
- VOA Form 7 Continuing Calibration Check (equiv.)
- VOA Form 8 Internal Standard Area and RT Summary
- VPH Form 1 Data Sheet
- VPH Form 2 Surrogate Recoveries
- VPH Form 3 MS/MSD and LCS/LCSD Recoveries
- VPH Form 4 Method Blank Summary GC/MS Logbook Sheets
- VPH Form 5 BFB Tune Summaries (24-hr. Tune Window)
- VPH Form 6 Initial Calibration Data Target Compounds and Ranges
- VPH Form 7 Continuing Calibration Check
- VPH Form 8 RT Summary

EPH Form 2 Surrogate Recoveries
EPH Form 3 MS/MSD and LCS/LCSD Recoveries
EPH Form 4 Method Blank Summary GC/MS Logbook Sheets
EPH Form 5 DFTPP Tune Summaries (24-hr. Tune Window)
EPH Form 6 Initial Calibration Data Target Compounds and Ranges
EPH Form 7 Continuing Calibration Check (equiv.)
EPH Form 8 Internal Standard Area and RT Summary
Chain of Custody (COC) Forms
Sample Receipt Checklist

QC NON CONFORMANCE SUMMARY

Sample Receipt:
All the TAL metals samples for "GTM4" were placed on hold by the client 09/21/2010.

VOCs by EPA Method 8260B:
This narrative is specific to the list of target analytes requested by the client and reported on the Form 1 data pages. Non-target (NT) analyte deviations were not addressed. The following analytes were not reported below the quantitation limit in this report: Methylene chloride, Acetone, Methyl Iodide, Hexachlorobutadiene, and Naphthalene.

Naphthalene used quadratic fit for quantitation.

The laboratory blank (LB09280I) had Methyl iodide detected below the limit of quantitation but above the limit of detection. Samples with methyl iodide detected were reported with a "B" flag.

The laboratory control sample (LL09280I) had recoveries for Methyl iodide and Vinyl acetate outside the laboratory acceptance criteria but within MCP criteria. The laboratory control sample duplicate (LL09280I2) had similar results for Vinyl acetate however Methyl iodide was above MCP acceptance criteria. In addition the laboratory control sample duplicate had recovery for Tetrachlorethene above laboratory criteria but within MCP criteria. The MS analyzed on sample 67835-6 had low recovery for Methylene chloride, Vinyl acetate, 1,2,4-Trichlorobenzene, Hexachlorobutadiene, 1,3,5-Trichlorobenzene and 1,2,3-Trichlorobenzene. The MSD had similar recoveries for Methylene chloride and Vinyl acetate however all other analytes were in control. The laboratory control samples were in control except as stated above. Results were reported without qualification.

The continuing calibration standard (file#I44014SC) had %D or %drift outside acceptance criteria for Methylene chloride, Methyl ethyl ketone, 2-Hexanone and 1,2-Dibromo-3-chloropropane. The standard was reanalyzed (file#I44015SC) with all anlaytes in control except Methyl iodide that had %D of 24.7%. Results were reported without qualification.

Volatile Petroleum Hydrocarbons (VPH):
No results were reported below the quantitation limit for C9-C10 aromatic range.

Extractable Petroleum Hydrocarbons (EPH):
Several analytes used quadratic fit for quantitation (see plots provided).

If you have any questions or I can be of further assistance, please do not hesitate to contact me.

Sincerely
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

Report Number: 67835

Revision: Rev. 0

Re: NAS SOWEY SOIL PIPE, Bld. 82 (Project No: 106-2282)

Enclosed are the results of the analyses on your sample(s). Samples were received on 20 September 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Sample Analysis: The attached pages detail the Client Sample IDs, Lab Sample IDs, and Analyses requested

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 9/23/2010

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

CLIENT: Tetra Tech EC, Inc. **REPORT NUMBER: 67835** **REV: Rev. 0**

PROJECT: NAS SOWEY SOIL PIPE, Bld. 82 (Project No: 106-2282)

Lab Number	Sample Date	Station Location	Analysis	Comments
67835-1	09/20/10	C-B82-GTM4-SW-1	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM4-SW-1	MADEP EPH	
	09/20/10	C-B82-GTM4-SW-1	TAL Metals	
67835-2	09/20/10	C-B82-GTM4-SW-2	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM4-SW-2	MADEP EPH	
	09/20/10	C-B82-GTM4-SW-2	TAL Metals	
67835-3	09/20/10	C-B82-GTM4-SW-3	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM4-SW-3	MADEP EPH	
	09/20/10	C-B82-GTM4-SW-3	TAL Metals	
67835-4	09/20/10	C-B82-GTM4-SW-4	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM4-SW-4	MADEP EPH	
	09/20/10	C-B82-GTM4-SW-4	TAL Metals	
67835-5	09/20/10	C-B82-GTM4-B-5	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM4-B-5	MADEP EPH	
	09/20/10	C-B82-GTM4-B-5	TAL Metals	
67835-6	09/20/10	C-B82-GTM3-SW-2	Electronic Data Deliverable	
	09/20/10	C-B82-GTM3-SW-2	EPA 8260 Volatile Organics	
	09/20/10	C-B82-GTM3-SW-2	MADEP EPH	
	09/20/10	C-B82-GTM3-SW-2	Volatile Petroleum Hydrocarbons	

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 67835

Project Location: NAS SOWEY SOIL PIPE, Bld. 82 RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

67835-1, 67835-2, 67835-3, 67835-4, 67835-5, 67835-6

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☒	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☒	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☒ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Stephen L. Knollmeyer **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 04, 2010

Summary Report

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: LB092801
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82
Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	**1.3 J**	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	101	%	d8-Toluene	100	%	Bromofluorobenzen	100	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67835-1
Matrix: Solid
Percent Solid: 86
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82
Project Number: 106-2282
Field Sample ID: C-B82-GTM4-SW-1

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.1	U	1,1,2-Trichloroethane	2.1	U
Chloromethane	2.1	U	1,3-Dichloropropane	2.1	U
Vinyl Chloride	2.1	U	Tetrachloroethene	2.1	U
Bromomethane	2.1	U	2-Hexanone	11	U
Chloroethane	2.1	U	Dibromochloromethane	2.1	U
Trichlorofluoromethane	2.1	U	1,2-Dibromoethane	2.1	U
1,1-Dichloroethene	2.1	U	Chlorobenzene	2.1	U
Acetone	11	**46**	1,1,1,2-Tetrachloroethane	2.1	U
Methyl iodide	2.1	U	Ethylbenzene	2.1	U
Carbon Disulfide	2.1	U	o-Xylene	2.1	U
Methylene Chloride	11	**15**	m,p-Xylene	2.1	U
trans-1,2-Dichloroethene	2.1	U	Styrene	2.1	U
Methyl-tert-butyl ether (MTBE)	2.1	U	Bromoform	2.1	U
1,1-Dichloroethane	2.1	U	Isopropylbenzene	2.1	U
Vinyl acetate	5.3	U	1,1,2,2-Tetrachloroethane	2.1	U
Methyl ethyl ketone	11	U	Bromobenzene	2.1	U
cis-1,2-Dichloroethene	2.1	U	1,2,3-Trichloropropane	2.1	U
2,2-Dichloropropane	2.1	U	n-Propylbenzene	2.1	U
Bromochloromethane	2.1	U	2-Chlorotoluene	2.1	U
Chloroform	2.1	U	1,3,5-Trimethylbenzene	2.1	U
1,1,1-Trichloroethane	2.1	U	4-Chlorotoluene	2.1	U
1,1-Dichloropropene	2.1	U	tert-butylbenzene	2.1	U
Carbon Tetrachloride	2.1	U	1,2,4-Trimethylbenzene	2.1	U
1,2-Dichloroethane	2.1	U	sec-butylbenzene	2.1	U
Benzene	2.1	U	p-isopropyltoluene	2.1	U
Trichloroethene	2.1	U	1,3-Dichlorobenzene	2.1	U
1,2-Dichloropropane	2.1	U	1,4-Dichlorobenzene	2.1	U
Dibromomethane	2.1	U	n-butylbenzene	2.1	U
Bromodichloromethane	2.1	U	1,2-Dichlorobenzene	2.1	U
cis-1,3-Dichloropropene	2.1	U	1,2-Dibromo-3-chloropropane	2.1	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.1	U
Toluene	2.1	U	Hexachlorobutadiene	2.1	U
trans-1,3-Dichloropropene	2.1	U	Naphthalene	2.1	U
			1,2,3-Trichlorobenzene	2.1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	107	%	d8-Toluene	103	%	Bromofluorobenzen	96 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67835-2
Matrix: Solid
Percent Solid: 83
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82
Project Number: 106-2282
Field Sample ID: C-B82-GTM4-SW-2

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.5	U	1,1,2-Trichloroethane	2.5	U
Chloromethane	2.5	U	1,3-Dichloropropane	2.5	U
Vinyl Chloride	2.5	U	Tetrachloroethene	2.5	U
Bromomethane	2.5	U	2-Hexanone	12	U
Chloroethane	2.5	U	Dibromochloromethane	2.5	U
Trichlorofluoromethane	2.5	U	1,2-Dibromoethane	2.5	U
1,1-Dichloroethene	2.5	U	Chlorobenzene	2.5	U
Acetone	12	**33**	1,1,1,2-Tetrachloroethane	2.5	U
Methyl iodide	2.5	U	Ethylbenzene	2.5	U
Carbon Disulfide	2.5	U	o-Xylene	2.5	U
Methylene Chloride	12	**27**	m,p-Xylene	2.5	U
trans-1,2-Dichloroethene	2.5	U	Styrene	2.5	U
Methyl-tert-butyl ether (MTBE)	2.5	U	Bromoform	2.5	U
1,1-Dichloroethane	2.5	U	Isopropylbenzene	2.5	U
Vinyl acetate	6.1	U	1,1,2,2-Tetrachloroethane	2.5	U
Methyl ethyl ketone	12	U	Bromobenzene	2.5	U
cis-1,2-Dichloroethene	2.5	U	1,2,3-Trichloropropane	2.5	U
2,2-Dichloropropane	2.5	U	n-Propylbenzene	2.5	U
Bromochloromethane	2.5	U	2-Chlorotoluene	2.5	U
Chloroform	2.5	U	1,3,5-Trimethylbenzene	2.5	U
1,1,1-Trichloroethane	2.5	U	4-Chlorotoluene	2.5	U
1,1-Dichloropropene	2.5	U	tert-butylbenzene	2.5	U
Carbon Tetrachloride	2.5	U	1,2,4-Trimethylbenzene	2.5	U
1,2-Dichloroethane	2.5	U	sec-butylbenzene	2.5	U
Benzene	2.5	U	p-isopropyltoluene	2.5	U
Trichloroethene	2.5	U	1,3-Dichlorobenzene	2.5	U
1,2-Dichloropropane	2.5	U	1,4-Dichlorobenzene	2.5	U
Dibromomethane	2.5	U	n-butylbenzene	2.5	U
Bromodichloromethane	2.5	U	1,2-Dichlorobenzene	2.5	U
cis-1,3-Dichloropropene	2.5	U	1,2-Dibromo-3-chloropropane	2.5	U
Methyl isobutyl ketone	12	U	1,2,4-Trichlorobenzene	2.5	U
Toluene	2.5	U	Hexachlorobutadiene	2.5	U
trans-1,3-Dichloropropene	2.5	U	Naphthalene	2.5	U
			1,2,3-Trichlorobenzene	2.5	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	98	%	d8-Toluene	99	%	Bromofluorobenzen	98 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67835-3
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82
Project Number: 106-2282
Field Sample ID: C-B82-GTM4-SW-3

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.1	U	1,1,2-Trichloroethane	2.1	U
Chloromethane	2.1	U	1,3-Dichloropropane	2.1	U
Vinyl Chloride	2.1	U	Tetrachloroethene	2.1	U
Bromomethane	2.1	U	2-Hexanone	11	U
Chloroethane	2.1	U	Dibromochloromethane	2.1	U
Trichlorofluoromethane	2.1	U	1,2-Dibromoethane	2.1	U
1,1-Dichloroethene	2.1	U	Chlorobenzene	2.1	U
Acetone	11	**41**	1,1,1,2-Tetrachloroethane	2.1	U
Methyl iodide	2.1	U	Ethylbenzene	2.1	U
Carbon Disulfide	2.1	U	o-Xylene	2.1	U
Methylene Chloride	11	**15**	m,p-Xylene	2.1	U
trans-1,2-Dichloroethene	2.1	U	Styrene	2.1	U
Methyl-tert-butyl ether (MTBE)	2.1	U	Bromoform	2.1	U
1,1-Dichloroethane	2.1	U	Isopropylbenzene	2.1	U
Vinyl acetate	5.4	U	1,1,2,2-Tetrachloroethane	2.1	U
Methyl ethyl ketone	11	U	Bromobenzene	2.1	U
cis-1,2-Dichloroethene	2.1	U	1,2,3-Trichloropropane	2.1	U
2,2-Dichloropropane	2.1	U	n-Propylbenzene	2.1	U
Bromochloromethane	2.1	U	2-Chlorotoluene	2.1	U
Chloroform	2.1	U	1,3,5-Trimethylbenzene	2.1	U
1,1,1-Trichloroethane	2.1	U	4-Chlorotoluene	2.1	U
1,1-Dichloropropene	2.1	U	tert-butylbenzene	2.1	U
Carbon Tetrachloride	2.1	U	1,2,4-Trimethylbenzene	2.1	U
1,2-Dichloroethane	2.1	U	sec-butylbenzene	2.1	U
Benzene	2.1	U	p-isopropyltoluene	2.1	U
Trichloroethene	2.1	U	1,3-Dichlorobenzene	2.1	U
1,2-Dichloropropane	2.1	U	1,4-Dichlorobenzene	2.1	U
Dibromomethane	2.1	U	n-butylbenzene	2.1	U
Bromodichloromethane	2.1	U	1,2-Dichlorobenzene	2.1	U
cis-1,3-Dichloropropene	2.1	U	1,2-Dibromo-3-chloropropane	2.1	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.1	U
Toluene	2.1	U	Hexachlorobutadiene	2.1	U
trans-1,3-Dichloropropene	2.1	U	Naphthalene	2.1	U
			1,2,3-Trichlorobenzene	2.1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	103	%	d8-Toluene	100	%	Bromofluorobenzen	100	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67835-4
Matrix: Solid
Percent Solid: 87
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282

Field Sample ID: C-B82-GTM4-SW-4

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	**1.0 J**
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	**41**	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	**19**	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	104	%	d8-Toluene	102	%	Bromofluorobenzen	98	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67835-5
Matrix: Solid
Percent Solid: 78
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Field Sample ID: C-B82-GTM4-B-5

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.2	U	1,1,2-Trichloroethane	2.2	U
Chloromethane	2.2	U	1,3-Dichloropropane	2.2	U
Vinyl Chloride	2.2	U	Tetrachloroethene	2.2	U
Bromomethane	2.2	U	2-Hexanone	11	U
Chloroethane	2.2	U	Dibromochloromethane	2.2	U
Trichlorofluoromethane	2.2	U	1,2-Dibromoethane	2.2	U
1,1-Dichloroethene	2.2	U	Chlorobenzene	2.2	U
Acetone	11	**28**	1,1,1,2-Tetrachloroethane	2.2	U
Methyl iodide	2.2	U	Ethylbenzene	2.2	U
Carbon Disulfide	2.2	U	o-Xylene	2.2	U
Methylene Chloride	11	**22**	m,p-Xylene	2.2	U
trans-1,2-Dichloroethene	2.2	U	Styrene	2.2	U
Methyl-tert-butyl ether (MTBE)	2.2	U	Bromoform	2.2	U
1,1-Dichloroethane	2.2	U	Isopropylbenzene	2.2	U
Vinyl acetate	5.5	U	1,1,2,2-Tetrachloroethane	2.2	U
Methyl ethyl ketone	11	U	Bromobenzene	2.2	U
cis-1,2-Dichloroethene	2.2	U	1,2,3-Trichloropropane	2.2	U
2,2-Dichloropropane	2.2	U	n-Propylbenzene	2.2	U
Bromochloromethane	2.2	U	2-Chlorotoluene	2.2	U
Chloroform	2.2	U	1,3,5-Trimethylbenzene	2.2	U
1,1,1-Trichloroethane	2.2	U	4-Chlorotoluene	2.2	U
1,1-Dichloropropene	2.2	U	tert-butylbenzene	2.2	U
Carbon Tetrachloride	2.2	U	1,2,4-Trimethylbenzene	2.2	U
1,2-Dichloroethane	2.2	U	sec-butylbenzene	2.2	U
Benzene	2.2	U	p-isopropyltoluene	2.2	U
Trichloroethene	2.2	U	1,3-Dichlorobenzene	2.2	U
1,2-Dichloropropane	2.2	U	1,4-Dichlorobenzene	2.2	U
Dibromomethane	2.2	U	n-butylbenzene	2.2	U
Bromodichloromethane	2.2	U	1,2-Dichlorobenzene	2.2	U
cis-1,3-Dichloropropene	2.2	U	1,2-Dibromo-3-chloropropane	2.2	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.2	U
Toluene	2.2	U	Hexachlorobutadiene	2.2	U
trans-1,3-Dichloropropene	2.2	U	Naphthalene	2.2	U
			1,2,3-Trichlorobenzene	2.2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	101	%	d8-Toluene	101	%	Bromofluorobenzen	99	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67835-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82
Project Number: 106-2282
Field Sample ID: C-B82-GTM3-SW-2

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	**52**	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	**20**	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5.1	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	108	%	d8-Toluene	100	%	Bromofluorobenzen	98	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY:

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67835

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	103		101		101	
LL09280I	101		100		101	
LL09280I2	101		100		99	
LB09280I	101		100		100	
67835-1	107		103		96	
67835-6	108		100		98	
67835-5	101		101		99	
67835-3	103		100		100	
67835-4	104		102		98	
67835-2	98		99		98	
67835-6,MS	104		98		97	
67835-6,MSD	103		101		98	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG: 67835
Non-spiked sample: BLK
Spike: LL09280I
Spike duplicate: LL09280I2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	20	75	125	25	0.0	21	104		21	105		1	
Chloromethane	20	20	75	125	25	0.0	20	100		20	99		1	
Vinyl Chloride	20	20	75	125	25	0.0	21	104		21	104		0	
Bromomethane	20	20	75	125	25	0.0	22	110		23	113		3	
Chloroethane	20	20	75	125	25	0.0	22	110		22	109		1	
t-Butyl alcohol (TBA)	100	100	75	125	25	0.0	87	87		84	84		3	
Trichlorofluoromethane	20	20	75	125	25	0.0	19	96		19	95		1	
Diethyl ether	20	20	75	125	25	0.0	21	104		22	111		7	
1,1,2-Trichlorotrifluoroethane	20	20	75	125	25	0.0	21	103		21	105		1	
Acetone	100	100	75	125	25	0.0	109	109		110	110		1	
1,1-Dichloroethene	20	20	75	125	25	0.0	21	104		22	108		3	
Methyl iodide	20	20	75	125	25	0.0	26	128	*	27	133	*	4	
Di-isopropyl ether (DIPE)	20	20	75	125	25	0.0	20	99		20	102		3	
Methylene Chloride	20	20	75	125	25	0.0	19	95		19	96		1	
Carbon Disulfide	20	20	75	125	25	0.0	22	112		23	114		2	
Methyl-tert-butyl ether (MTBE)	40	40	75	125	25	0.0	39	99		42	104		5	
trans-1,2-Dichloroethene	20	20	75	125	25	0.0	20	102		21	107		5	
1,1-Dichloroethane	20	20	75	125	25	0.0	20	100		21	107		7	
Vinyl acetate	20	20	75	125	25	0.0	14	71	*	15	74	*	5	
Methyl ethyl ketone	100	100	75	125	25	0.0	102	102		102	102		0	
Ethyl t-butyl ether (ETBE)	20	20	75	125	25	0.0	20	98		20	102		5	
2,2-Dichloropropane	20	20	75	125	25	0.0	21	107		22	111		4	
cis-1,2-Dichloroethene	20	20	75	125	25	0.0	21	104		22	109		5	
t-Amyl methyl ether (TAME)	20	20	75	125	25	0.0	20	99		20	102		4	
Chloroform	20	20	75	125	25	0.0	21	104		22	108		4	
Bromochloromethane	20	20	75	125	25	0.0	21	105		22	109		3	
Tetrahydrofuran	20	20	75	125	25	0.0	21	103		20	99		4	
1,1,1-Trichloroethane	20	20	75	125	25	0.0	21	107		22	111		3	
1,1-Dichloropropene	20	20	75	125	25	0.0	21	105		22	108		3	
Carbon Tetrachloride	20	20	75	125	25	0.0	22	108		22	111		3	
1,2-Dichloroethane	20	20	75	125	25	0.0	20	102		21	107		5	
Benzene	20	20	75	125	25	0.0	20	100		21	105		5	
Trichloroethene	20	20	75	125	25	0.0	20	101		21	107		5	
1,2-Dichloropropane	20	20	75	125	25	0.0	20	98		21	103		5	
Methylmethacrylate	20	20	75	125	25	0.0	20	100		21	104		4	
Methyl acetate	20	20	75	125	25	0.0	21	105		21	103		1	
Cyclohexane	20	20	75	125	25	0.0	19	93		16	82		13	
Bromodichloromethane	20	20	75	125	25	0.0	20	98		21	104		6	
Dibromomethane	20	20	75	125	25	0.0	19	95		20	102		7	
1,4-Dioxane	500	500	75	125	25	0.0	451	90		464	93		3	
Methylcyclohexane	20	20	75	125	25	0.0	22	110		21	107		3	
2-Hexanone	100	100	75	125	25	0.0	100	100		101	101		1	
Methyl isobutyl ketone	100	100	75	125	25	0.0	96	96		98	98		3	
cis-1,3-Dichloropropene	20	20	75	125	25	0.0	20	101		22	108		6	
Toluene	20	20	75	125	25	0.0	20	101		21	105		4	
trans-1,3-Dichloropropene	20	20	75	125	25	0.0	19	94		19	97		3	
1,1,2-Trichloroethane	20	20	75	125	25	0.0	20	100		21	106		6	
1,3-Dichloropropane	20	20	75	125	25	0.0	20	101		21	106		5	
Tetrachloroethene	20	20	75	125	25	0.0	23	117		25	126	*	7	
Dibromochloromethane	20	20	75	125	25	0.0	20	101		21	106		5	
1,2-Dibromoethane	20	20	75	125	25	0.0	20	100		21	107		7	
Chlorobenzene	20	20	75	125	25	0.0	21	105		21	106		1	
1,1,1,2-Tetrachloroethane	20	20	75	125	25	0.0	21	105		21	106		1	
Ethylbenzene	20	20	75	125	25	0.0	21	107		21	107		0	
m,p-Xylene	40	40	75	125	25	0.0	42	106		43	107		1	

VOA FORM 3

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG: 67835
Non-spiked sample: BLK
Spike: LL09280I
Spike duplicate: LL09280I2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
o-Xylene	20	20	75	125	25	0.0	21	105		21	104		0	
Styrene	20	20	75	125	25	0.0	21	105		22	109		4	
Bromoform	20	20	75	125	25	0.0	21	106		21	106		0	
Isopropylbenzene	20	20	75	125	25	0.0	19	94		19	96		2	
1,1,2,2-Tetrachloroethane	20	20	75	125	25	0.0	20	100		20	100		0	
1,2,3-Trichloropropane	20	20	75	125	25	0.0	19	94		19	96		2	
trans-1,4-Dichloro-2-butene	20	20	75	125	25	0.0	21	106		21	106		0	
n-Propylbenzene	20	20	75	125	25	0.0	21	105		21	107		2	
Bromobenzene	20	20	75	125	25	0.0	21	106		21	106		0	
1,3,5-Trimethylbenzene	20	20	75	125	25	0.0	21	106		21	107		1	
2-Chlorotoluene	20	20	75	125	25	0.0	21	106		21	105		1	
4-Chlorotoluene	20	20	75	125	25	0.0	21	104		21	104		1	
tert-butylbenzene	20	20	75	125	25	0.0	21	107		22	109		1	
1,2,4-Trimethylbenzene	20	20	75	125	25	0.0	20	102		21	104		2	
sec-butylbenzene	20	20	75	125	25	0.0	22	111		22	111		0	
p-isopropyltoluene	20	20	75	125	25	0.0	20	102		21	105		3	
1,3-Dichlorobenzene	20	20	75	125	25	0.0	21	104		21	105		1	
1,4-Dichlorobenzene	20	20	75	125	25	0.0	21	105		22	108		2	
n-butylbenzene	20	20	75	125	25	0.0	22	112		23	113		1	
1,2-Dichlorobenzene	20	20	75	125	25	0.0	21	105		22	108		3	
1,2-Dibromo-3-chloropropane	20	20	75	125	25	0.0	21	104		21	104		0	
1,2,4-Trichlorobenzene	20	20	75	125	25	0.0	20	102		21	105		2	
Hexachlorobutadiene	20	20	75	125	25	0.0	22	108		22	110		1	
Naphthalene	20	20	75	125	25	0.0	17	87		19	94		8	
1,2,3-Trichlorobenzene	20	20	75	125	25	0.0	21	103		22	108		5	
1,3,5-Trichlorobenzene	20	20	75	125	25	0.0	21	104		21	105		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOA FORM 3

VOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG: 67835
Non-spiked sample: 67835-6
Spike: 67835-6,MS
Spike duplicate: 67835-6,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	20	75	125	25	0.0	18	91		20	97		6	
Chloromethane	20	20	75	125	25	0.0	17	86		19	93		7	
Vinyl Chloride	20	20	75	125	25	0.0	19	96		21	101		5	
Bromomethane	20	20	75	125	25	0.0	19	96		20	98		2	
Chloroethane	20	20	75	125	25	0.0	19	99		21	105		6	
t-Butyl alcohol (TBA)	98	102	75	125	25	0.0	91	93		95	93		0	
Trichlorofluoromethane	20	20	75	125	25	0.0	17	87		19	91		4	
Diethyl ether	20	20	75	125	25	0.0	20	103		21	105		2	
1,1,2-Trichlorotrifluoroethane	20	20	75	125	25	0.0	19	96		20	100		4	
Acetone	98	102	75	125	25	52.1	126	75		136	82		9	
1,1-Dichloroethene	20	20	75	125	25	0.0	19	97		20	99		2	
Methyl iodide	20	20	75	125	25	0.0	18	93		22	108		15	
Di-isopropyl ether (DIPE)	20	20	75	125	25	0.0	19	99		20	100		1	
Methylene Chloride	20	20	75	125	25	20.0	27	34	*	28	41	*	18	
Carbon Disulfide	20	20	75	125	25	0.0	20	102		21	104		2	
Methyl-tert-butyl ether (MTBE)	39	41	75	125	25	0.0	40	103		42	103		0	
trans-1,2-Dichloroethene	20	20	75	125	25	0.0	19	99		21	103		4	
1,1-Dichloroethane	20	20	75	125	25	0.0	19	100		21	102		2	
Vinyl acetate	20	20	75	125	25	0.0	7	37	*	8	38	*	2	
Methyl ethyl ketone	98	102	75	125	25	0.0	98	100		103	101		1	
Ethyl t-butyl ether (ETBE)	20	20	75	125	25	0.0	20	100		21	102		2	
2,2-Dichloropropane	20	20	75	125	25	0.0	20	101		21	105		4	
cis-1,2-Dichloroethene	20	20	75	125	25	0.0	20	103		22	106		3	
t-Amyl methyl ether (TAME)	20	20	75	125	25	0.0	20	102		21	103		1	
Chloroform	20	20	75	125	25	0.0	20	102		21	104		2	
Bromochloromethane	20	20	75	125	25	0.0	21	107		22	110		2	
Tetrahydrofuran	20	20	75	125	25	0.0	20	102		20	100		3	
1,1,1-Trichloroethane	20	20	75	125	25	0.0	20	104		21	105		1	
1,1-Dichloropropene	20	20	75	125	25	0.0	20	100		21	105		4	
Carbon Tetrachloride	20	20	75	125	25	0.0	21	106		22	107		0	
1,2-Dichloroethane	20	20	75	125	25	0.0	20	104		21	103		1	
Benzene	20	20	75	125	25	0.0	19	98		20	99		1	
Trichloroethene	20	20	75	125	25	0.0	19	99		21	103		4	
1,2-Dichloropropane	20	20	75	125	25	0.0	19	97		21	102		4	
Methylmethacrylate	20	20	75	125	25	0.0	21	107		22	108		1	
Methyl acetate	20	20	75	125	25	2.9	24	106		27	119		12	
Cyclohexane	20	20	75	125	25	0.0	16	82		17	86		5	
Bromodichloromethane	20	20	75	125	25	0.0	19	99		20	100		1	
Dibromomethane	20	20	75	125	25	0.0	19	98		20	98		0	
1,4-Dioxane	489	509	75	125	25	0.0	448	92		465	91		0	
Methylcyclohexane	20	20	75	125	25	0.0	18	88		18	92		5	
2-Hexanone	98	102	75	125	25	0.0	96	98		104	102		4	
Methyl isobutyl ketone	98	102	75	125	25	0.0	95	97		101	99		3	
cis-1,3-Dichloropropene	20	20	75	125	25	0.0	20	100		21	103		3	
Toluene	20	20	75	125	25	0.0	19	98		21	102		3	
trans-1,3-Dichloropropene	20	20	75	125	25	0.0	18	91		19	95		4	
1,1,2-Trichloroethane	20	20	75	125	25	0.0	20	101		21	103		2	
1,3-Dichloropropane	20	20	75	125	25	0.0	20	101		21	104		3	
Tetrachloroethene	20	20	75	125	25	0.0	21	105		23	114		9	
Dibromochloromethane	20	20	75	125	25	0.0	20	101		21	102		2	
1,2-Dibromoethane	20	20	75	125	25	0.0	20	102		21	104		2	
Chlorobenzene	20	20	75	125	25	0.0	19	98		21	102		5	
1,1,1,2-Tetrachloroethane	20	20	75	125	25	0.0	20	101		21	104		4	
Ethylbenzene	20	20	75	125	25	0.0	19	98		21	102		4	
m,p-Xylene	39	41	75	125	25	0.0	38	96		42	103		7	

VOA FORM 3

VOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG: 67835
Non-spiked sample: 67835-6
Spike: 67835-6,MS
Spike duplicate: 67835-6,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
o-Xylene	20	20	75	125	25	0.0	19	96		21	104		8	
Styrene	20	20	75	125	25	0.0	18	94		21	101		7	
Bromoform	20	20	75	125	25	0.0	19	99		21	101		2	
Isopropylbenzene	20	20	75	125	25	0.0	16	81		18	90		10	
1,1,2,2-Tetrachloroethane	20	20	75	125	25	0.0	19	95		20	96		1	
1,2,3-Trichloropropane	20	20	75	125	25	0.0	18	93		19	96		3	
trans-1,4-Dichloro-2-butene	20	20	75	125	25	0.0	20	102		20	98		3	
n-Propylbenzene	20	20	75	125	25	0.0	17	88		20	98		10	
Bromobenzene	20	20	75	125	25	0.0	18	95		20	98		4	
1,3,5-Trimethylbenzene	20	20	75	125	25	0.0	17	88		20	99		11	
2-Chlorotoluene	20	20	75	125	25	0.0	17	89		20	98		10	
4-Chlorotoluene	20	20	75	125	25	0.0	17	89		20	96		8	
tert-butylbenzene	20	20	75	125	25	0.0	17	89		21	101		13	
1,2,4-Trimethylbenzene	20	20	75	125	25	0.0	17	86		19	94		9	
sec-butylbenzene	20	20	75	125	25	0.0	17	84		20	99		16	
p-isopropyltoluene	20	20	75	125	25	0.0	16	81		19	95		16	
1,3-Dichlorobenzene	20	20	75	125	25	0.0	17	84		19	93		10	
1,4-Dichlorobenzene	20	20	75	125	25	0.0	18	90		21	103		14	
n-butylbenzene	20	20	75	125	25	0.0	17	85		21	101		17	
1,2-Dichlorobenzene	20	20	75	125	25	0.0	17	89		21	102		14	
1,2-Dibromo-3-chloropropane	20	20	75	125	25	0.0	20	100		20	97		3	
1,2,4-Trichlorobenzene	20	20	75	125	25	0.0	13	68	*	16	80		16	
Hexachlorobutadiene	20	20	75	125	25	0.0	12	62	*	15	76		19	
Naphthalene	20	20	75	125	25	0.0	16	81		17	85		5	
1,2,3-Trichlorobenzene	20	20	75	125	25	0.0	13	68	*	16	77		12	
1,3,5-Trichlorobenzene	20	20	75	125	25	0.0	14	73	*	18	88		19	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOA FORM 3

GC/MS Volatiles Instrument I:

Analytics environmental laboratory LLC

IS only – Exp: –

SS+IS V9055 Exp: 10/11/10

Voltage: 1671

Threshold: 100

092710-I

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-I-092710-1-MT							
–		Blk Desorb	–				I43991	MT	NA
–		Blk Run - No Encon	–				92		
–		Blk-step to purge	–				93		
1		BLK	5mL				94		
2		Low soil BLK	5.00				95		
3		⊥	5.00				96		
4		1ppb Test	5mL				97		
5		BLK					98		
6		BLK					99		
7	VS092710I	BFB 50ng		2ul	V9050	✓	T44000T		
8		BLK					01		
9		1ppb		.25ul	V9057 V9053	✓	02si		
10		2ppb		.5ul		✓	03si		
11		5ppb		1.25ul		✓	04si		
12		20ppb		5ul		✓	05si		
13		50ppb		12.5ul		✓	06si		
14		100ppb		25ul	⊥	✓	07si		
15		BLK					08		
16		BLK					09		
17		20ppb KV		5ul	V9088 V9083	✓ All OK	10Q		
18	⊥	20ppb KV	⊥	⊥	⊥	✓ Methyl Iodide ↑ 130%	11Q	⊥	⊥

MT 9/28/10

GC/MS Volatiles Instrument I:

Analytics environmental laboratory LLC

IS only — Exp: —

SS+IS V9055 Exp: 10/11/10

Voltage: 1671

Threshold: 10

092810 I

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-I-092810-1-MT							
1	VS091701	BLK	5mL				I44012	MT	NA
2		BFB 50ng		2mL	V9050	✓	13T		7.51
3		20ppb		5mL	V9057 V9053	✓MeCl2 ↑, MEK ↑, 2HEX ↑ 1,2DB3CP ↑	14SC		
4		20ppb		⊥	⊥	✓ Methyl iodide ↑	15SC		
5		LL092801	5.00			✓ Methyl iodide Marg ↑ in both	16 2		
6		LL092802				✓ Vinyl Acetate Marg ↑ in both, PCE Marg ↑ in both	17 2		
7		BLK	5mL				18		
8		Bromoform		5mL	V9049	✓	19		
9		LB092801				✓Methyl iodide)	20B		
10		67834-10	5.00			✓	21		
11		-11	4.96			✓	22		
12		-12	4.73			✓	23		
13		67835-1	5.56			✓	24		
14		-6	5.37			✓	25		1447
15		-5	5.89			✓	26		
16		-3	4.96			✓	27		
17		-4	5.78			✓	28		
18		67834-1	4.45			✓	29		
19		-2	5.32			✓	30		
20		-3	6.23			✓	31		
21		-4	5.14			✓	32		
22		-5	5.23			✓	33		
23		67835-2	4.87			✓	34		
24		-6, MS	5.56			✓ MeCl2, VA ↓ in both, HCBD ↓ in MS only	35SP		
25		-6, MSD	5.34			✓ 1,2,4TCB, 1,2,3TCB Marg in MS only	36SP		
26		BFB 50ng	5mL	2mL	V9050	✓	37T		
27		20ppb		5mL	V9057 V9053	✓MEK, 2HEX, MIBK ↑ 1,2DB3CP ↑	38SC		
28		20ppb		⊥	⊥	✓ All OK	39SC		
29		LL092803	5.00			✓ VA ↓ in both, PCE ↑ in both	40 2		
30		LL092804	⊥			✓ All else OK	41 2		
31		BLK	5mL				42		
32		BLK					43		
33		BLK					44		
34		LB092802	5.00			✓	45		
35		Cont # 8/31/10 #63				MeCl2 32	46		
36		9/28/10 #217				MeCl2 17	47		

Cont on next page

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

SDG: 67835
BFB File ID: I44000T.D
BFB Injection Date: 09/27/10
BFB Injection Time: 16:31

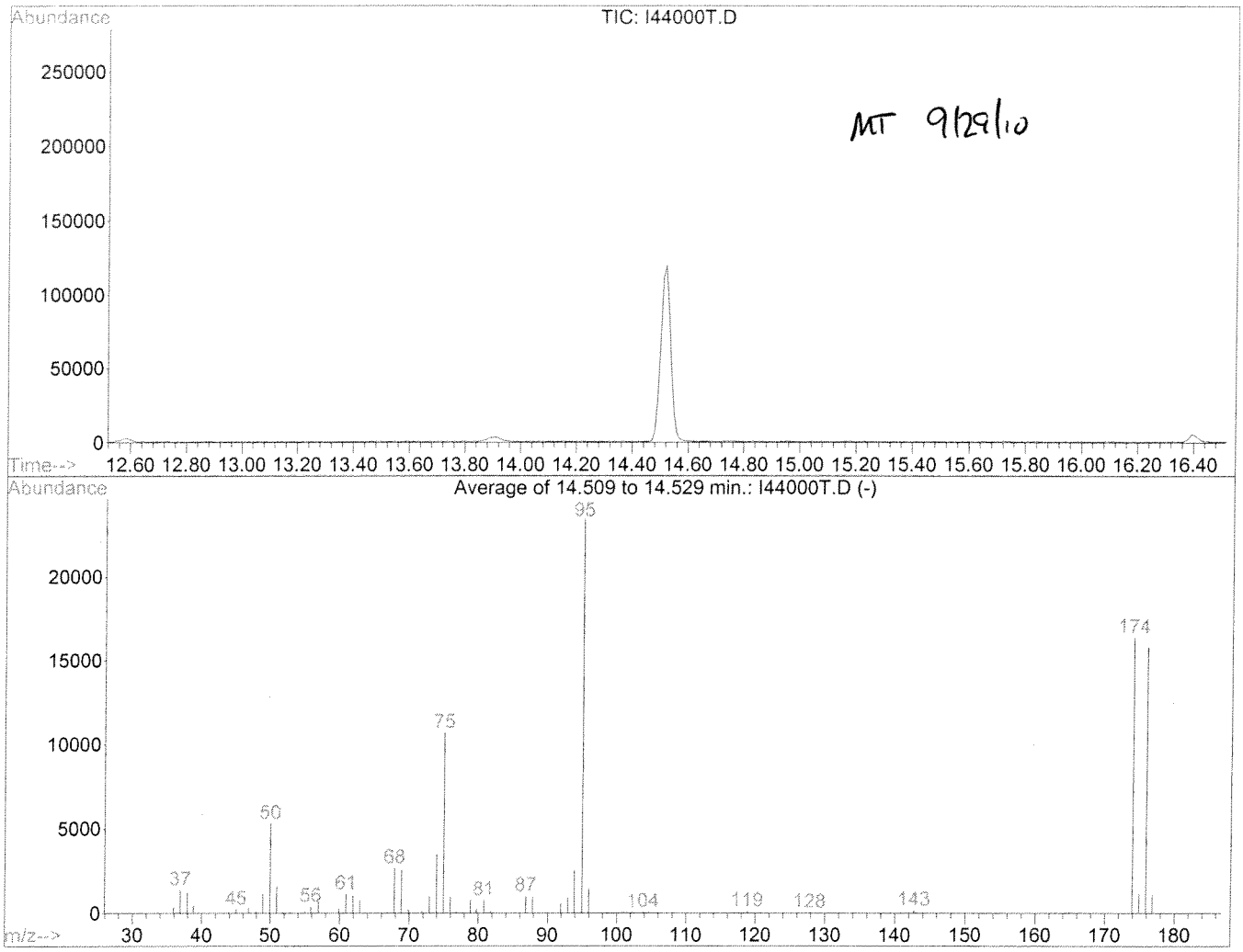
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
1 PPB	I44002SI.D	9/27/10 17:29
2 PPB	I44003SI.D	9/27/10 17:58
5 PPB	I44004SI.D	9/27/10 18:26
20 PPB	I44005SI.D	9/27/10 18:54
50 PPB	I44006SI.D	9/27/10 19:22
100 PPB	I44007SI.D	9/27/10 19:50
20 PPB ICV	I44010Q.D	9/27/10 21:15
20 PPB ICV2	I44011Q.D	9/27/10 21:44

Refer to the BFB report I44000T.D for ion ratio evaluation.

VOA FORM 5

BFB

Data File : C:\HPCHEM\1\DATA\092710-I\I44000T.D Vial: 7
Acq On : 27 Sep 2010 4:31 pm Operator: MT
Sample : BFB 50NG Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil



AutoFind: Scans 1334, 1335, 1336; Background Corrected with Scan 1327

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.6	5310	PASS
75	95	30	60	45.6	10699	PASS
95	95	100	100	100.0	23461	PASS
96	95	5	9	6.3	1477	PASS ✓
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.9	16406	PASS
175	174	5	9	7.2	1182	PASS
176	174	95	101	96.6	15844	PASS
177	176	5	9	6.8	1071	PASS

SY2910

I44000T.D VS09270I.M Tue Sep 28 13:20:11 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

SDG: 67835
BFB File ID: I44013T.D
BFB Injection Date: 09/28/10
BFB Injection Time: 7:51

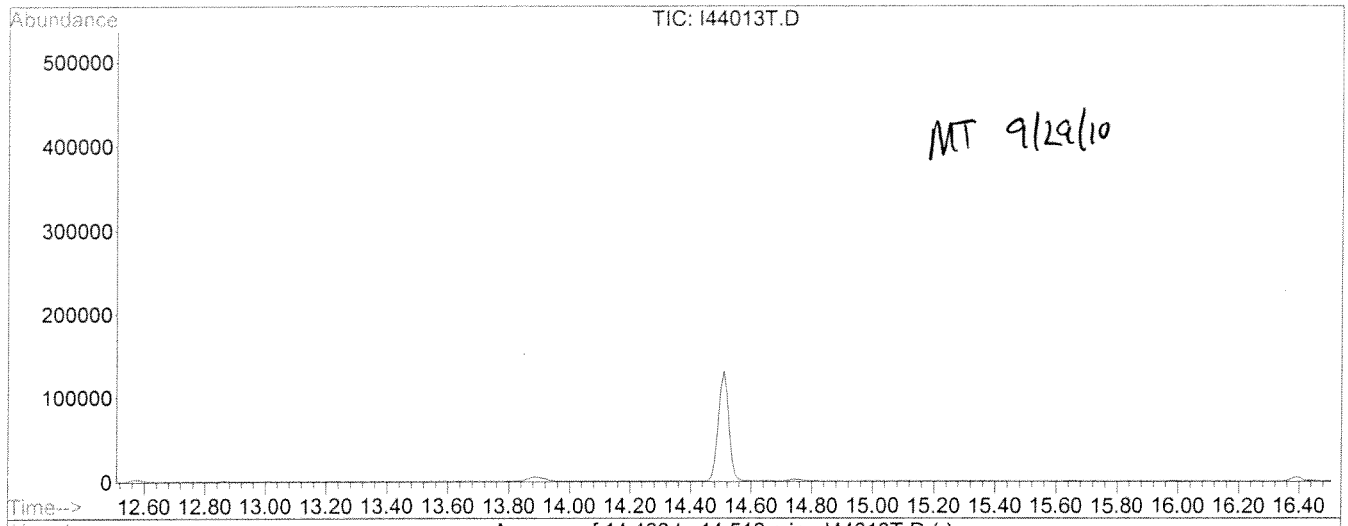
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
20 PPB	I44015SC.D	9/28/10 8:52
LL09280I	I44016Q.D	9/28/10 9:28
LL09280I2	I44017Q.D	9/28/10 9:55
LB09280I	I44020B.D	9/28/10 11:23
67835-1	I44024.D	9/28/10 13:19
67835-6	I44025.D	9/28/10 13:47
67835-5	I44026.D	9/28/10 14:16
67835-3	I44027.D	9/28/10 14:44
67835-4	I44028.D	9/28/10 15:12
67835-2	I44034.D	9/28/10 18:01
67835-6,MS	I44035SP.D	9/28/10 18:29
67835-6,MSD	I44036SP.D	9/28/10 18:57

Refer to the BFB report I44013T.D for ion ratio evaluation.

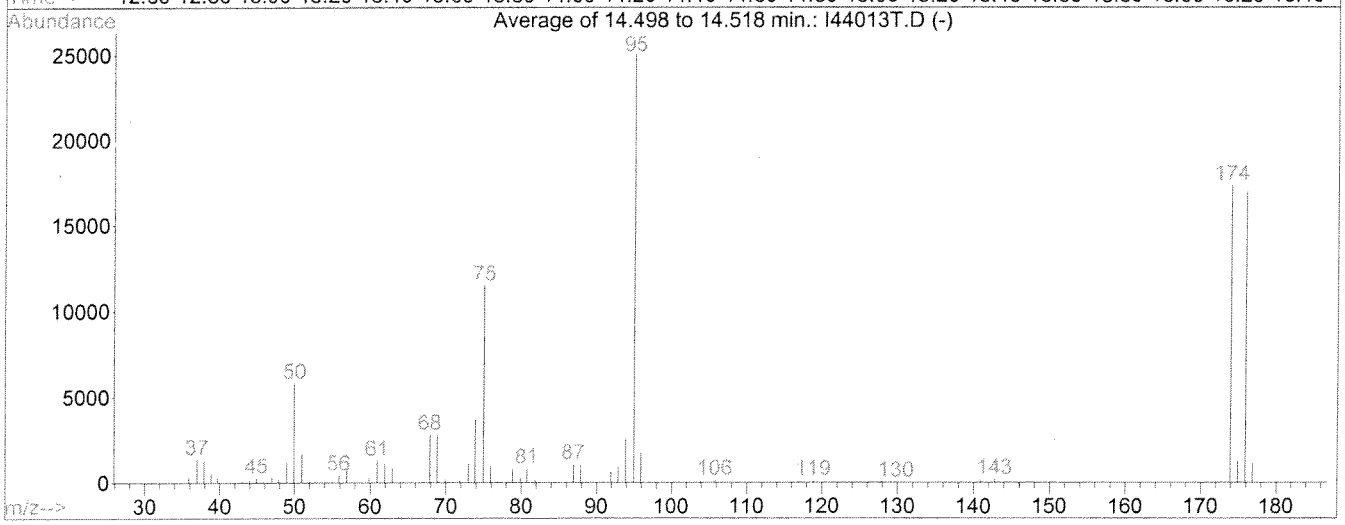
VOA FORM 5

BFB

Data File : C:\HPCHEM\1\DATA\092810-I\I44013T.D Vial: 2
Acq On : 28 Sep 2010 7:51 am Operator: MT
Sample : BFB 50NG Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil



MT 9/29/10



AutoFind: Scans 1333, 1334, 1335; Background Corrected with Scan 1326

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	5814	PASS
75	95	30	60	45.9	11497	PASS
95	95	100	100	100.0	25064	PASS
96	95	5	9	7.0	1752	PASS ✓
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.2	17339	PASS
175	174	5	9	7.4	1288	PASS
176	174	95	101	97.8	16958	PASS
177	176	5	9	6.7	1142	PASS

J92910

I44013T.D VS09270I.M Tue Sep 28 14:02:23 2010

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

Calibration Files
1 =I44002SI.D 2 =I44003SI.D 5 =I44004SI.D
20 =I44005SI.D 50 =I44006SI.D 100 =I44007SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	TM	Dichlorodifluoromet	0.704	0.724	0.691	0.669	0.719	0.701	0.701	2.88
3)	TMP	Chloromethane		0.721	0.596	0.560	0.578	0.576	0.606✓	10.82
4)	TMC	Vinyl Chloride	0.514	0.578	0.544	0.507	0.527	0.525	0.532	4.80#✓
5)	TM	Bromomethane	0.507	0.444	0.403	0.370	0.363		0.417	14.23
6)	TM	Chloroethane	0.275	0.326	0.298	0.288	0.297	0.286	0.295	5.83
7)	TM	t-Butyl alcohol (TB	0.089	0.077	0.086	0.099	0.091	0.095	0.090#	8.49
8)	TM	Trichlorofluorometh	1.073	1.149	1.044	1.015	1.058	1.012	1.059	4.76
9)	TM	Diethyl ether	0.257	0.250	0.253	0.261	0.269	0.261	0.258	2.58
10)	TM	1,1,2-Trichlorotrif	0.518	0.579	0.561	0.555	0.589	0.584	0.564	4.66
11)	T	Acrolein							0.000#	-1.00
12)	TM	Acetone		0.250	0.238	0.241	0.221	0.218	0.234	5.78
13)	TMC	1,1-Dichloroethene	0.460	0.477	0.486	0.462	0.497	0.487	0.478	3.08#✓
14)	TM	Methyl iodide	0.673	0.628	0.667	0.716	0.855	0.879	0.736	14.33
15)	TM	Di-isopropyl ether	1.989	1.861	1.878	1.902	1.974	1.944	1.925	2.72
16)	TM	Methylene Chloride	3.921	2.283	1.331	0.735	0.648	0.603	1.587	~~82.53~~ Lin
17)	TM	Carbon Disulfide	1.577	1.592	1.556	1.516	1.625	1.569	1.572	2.32
18)	T	Acrylonitrile	0.229	0.207	0.204	0.236	0.217	0.218	0.218	5.63
19)	TM	Methyl-tert-butyl e	1.591	1.544	1.533	1.590	1.625	1.621	1.584	2.42
20)	TM	trans-1,2-Dichloroe	0.593	0.579	0.574	0.547	0.595	0.571	0.577	3.03
21)	TMP	1,1-Dichloroethane	1.061	1.119	1.072	1.047	1.103	1.084	1.081✓	2.46
22)	TM	Vinyl acetate		0.068	0.078	0.088	0.091	0.093	0.084#	12.75
23)	TM	Methyl ethyl ketone	0.061	0.061	0.062	0.071	0.065	0.066	0.064#	6.06
24)	TM	Ethyl t-butyl ether	1.934	1.909	1.936	1.970	2.035	2.033	1.969	2.73
25)	TM	2,2-Dichloropropane	0.854	0.877	0.845	0.835	0.898	0.891	0.866	2.97
26)	TM	cis-1,2-Dichloroeth	0.588	0.665	0.634	0.615	0.649	0.641	0.632	4.28
27)	TM	t-Amyl methyl ether	1.557	1.493	1.450	1.530	1.578	1.557	1.528	3.13
28)	S	DB HOLDER #28	0.865	0.839	0.836	0.867	0.848	0.875	0.855	1.90
29)	TMC	Chloroform	1.097	1.081	1.064	1.052	1.131	1.105	1.088	2.65#✓
30)	TM	Bromochloromethane	0.286	0.309	0.294	0.324	0.332	0.327	0.312	6.07
31)	TM	Tetrahydrofuran	0.062	0.065	0.076	0.074	0.075	0.071	0.071#	7.75
32)	TM	1,1,1-Trichloroetha	0.870	0.910	0.877	0.879	0.947	0.930	0.902	3.52
33)	T	NO COMPOUND							0.000#	-1.00
34)	TM	1,1-Dichloropropene	0.798	0.763	0.750	0.737	0.801	0.779	0.771	3.36
35)	TM	Carbon Tetrachlorid	0.669	0.737	0.712	0.704	0.770	0.769	0.727	5.45
36)	S	d4-1,2-Dichloroetha	0.865	0.839	0.836	0.867	0.848	0.875	0.855	1.90
37)	TM	1,2-Dichloroethane	1.025	0.982	0.960	1.004	1.043	1.018	1.005	2.99
38)	TM	Benzene	1.980	1.978	1.891	1.857	1.926	1.856	1.915	2.93
39)	I	1,4-Difluorobenzene	----------ISTD----------							
40)	TM	Trichloroethene	0.335	0.335	0.326	0.322	0.335	0.322	0.329	1.98
41)	TMC	1,2-Dichloropropane	0.321	0.307	0.286	0.289	0.307	0.292	0.300	4.49#✓
42)	TM	Methylmethacrylate	0.187	0.198	0.195	0.213	0.216	0.213	0.204	5.94
43)	TM	Methyl acetate	0.344	0.336	0.297	0.300	0.283	0.282	0.307	8.74

J 9/29/10

(#) = Out of Range

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

Calibration Files
1 =I44002SI.D 2 =I44003SI.D 5 =I44004SI.D
20 =I44005SI.D 50 =I44006SI.D 100 =I44007SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
44)	TM	Cyclohexane	0.467	0.485	0.461	0.455	0.484	0.461	0.469	2.74
45)	TM	Bromodichloromethan	0.446	0.451	0.441	0.448	0.474	0.455	0.452	2.52
46)	TM	Dibromomethane	0.250	0.266	0.267	0.268	0.278	0.268	0.266	3.44
47)	TM	1,4-Dioxane	0.004	0.004	0.004	0.005	0.004	0.004	0.004#	5.87
48)	TM	Methylcyclohexane	0.408	0.453	0.432	0.429	0.464	0.445	0.439	4.47
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl							0.000#	-1.00
51)	TM	2-Hexanone	0.127	0.128	0.133	0.145	0.137	0.134	0.134	5.05
52)	TM	Methyl isobutyl ket	0.131	0.133	0.134	0.145	0.138	0.132	0.136	3.92
53)	TM	cis-1,3-Dichloropro	0.458	0.489	0.463	0.465	0.501	0.483	0.477	3.59
54)	S	d8-Toluene	1.088	1.077	1.077	1.083	1.048	1.077	1.075	1.28
55)	TMC	Toluene	0.691	0.686	0.646	0.635	0.670	0.639	0.661	3.71#✓
56)	TM	trans-1,3-Dichlorop	0.432	0.467	0.457	0.470	0.496	0.485	0.468	4.77
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.217	0.225	0.232	0.233	0.232	0.222	0.227	2.87
59)	TM	1,3-Dichloropropane	0.422	0.440	0.431	0.440	0.447	0.435	0.436	2.05
60)	TM	Tetrachloroethene	0.278	0.292	0.279	0.278	0.296	0.290	0.285	2.83
61)	TM	Dibromochloromethan	0.313	0.331	0.327	0.346	0.362	0.359	0.340	5.68
62)	TM	1,2-Dibromoethane	0.335	0.330	0.335	0.348	0.353	0.346	0.341	2.75
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	0.925	0.913	0.917	0.884	0.951	0.904	0.916✓	2.42
65)	TM	1,1,1,2-Tetrachloro	0.325	0.315	0.312	0.309	0.336	0.320	0.320	3.07
66)	TMC	Ethylbenzene	1.449	1.516	1.433	1.421	1.546	1.425	1.465	3.61#✓
67)	TM	m,p-Xylene	0.563	0.571	0.543	0.524	0.571	0.528	0.550	3.87
68)	TM	o-Xylene	0.530	0.539	0.532	0.529	0.562	0.533	0.538	2.32
69)	TM	Styrene	0.914	0.941	0.935	0.927	1.004	0.948	0.945	3.30
70)	TMP	Bromoform	0.221	0.223	0.225	0.244	0.263	0.257	0.239✓	7.66
71)	TM	Isopropylbenzene	1.333	1.435	1.373	1.346	1.486	1.401	1.396	4.12
72)	TMP	1,1,2,2-Tetrachloro	0.429	0.416	0.423	0.434	0.434	0.424	0.427✓	1.64
73)	S	Bromofluorobenzene	0.512	0.509	0.511	0.506	0.512	0.514	0.511	0.58
74)	TM	1,2,3-Trichloroprop	0.336	0.336	0.319	0.331	0.334	0.321	0.329	2.25
75)	TM	trans-1,4-Dichloro-	0.055	0.059	0.068	0.076	0.078	0.077	0.069#	14.35
76)	TM	n-Propylbenzene	1.772	1.760	1.716	1.671	1.780	1.613	1.719	3.83
77)	TM	Bromobenzene	0.357	0.341	0.334	0.333	0.356	0.332	0.342	3.35
78)	TM	1,3,5-Trimethylbenz	1.122	1.184	1.134	1.103	1.213	1.140	1.149	3.59
79)	TM	2-Chlorotoluene	1.192	1.185	1.147	1.093	1.195	1.101	1.152	4.01
80)	TM	4-Chlorotoluene	1.051	1.119	1.028	1.039	1.112	1.057	1.067	3.59
81)	TM	tert-butylbenzene	0.907	0.981	0.877	0.963	1.070	0.996	0.966	7.08
82)	TM	1,2,4-Trimethylbenz	1.205	1.227	1.217	1.175	1.277	1.195	1.216	2.86
83)	T	Pentachloroethane	0.170	0.180	0.184	0.180	0.202	0.189	0.184	5.87
84)	TM	sec-butylbenzene	1.459	1.483	1.460	1.433	1.621	1.512	1.495	4.51
85)	TM	p-isopropyltoluene	1.137	1.158	1.131	1.141	1.281	1.211	1.176	5.00
86)	TM	1,3-Dichlorobenzene	0.601	0.611	0.584	0.583	0.624	0.595	0.600	2.67
87)	I	1,4-Dichlorobenzene-d	----------ISTD----------							

9/29/10

(#) = Out of Range

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

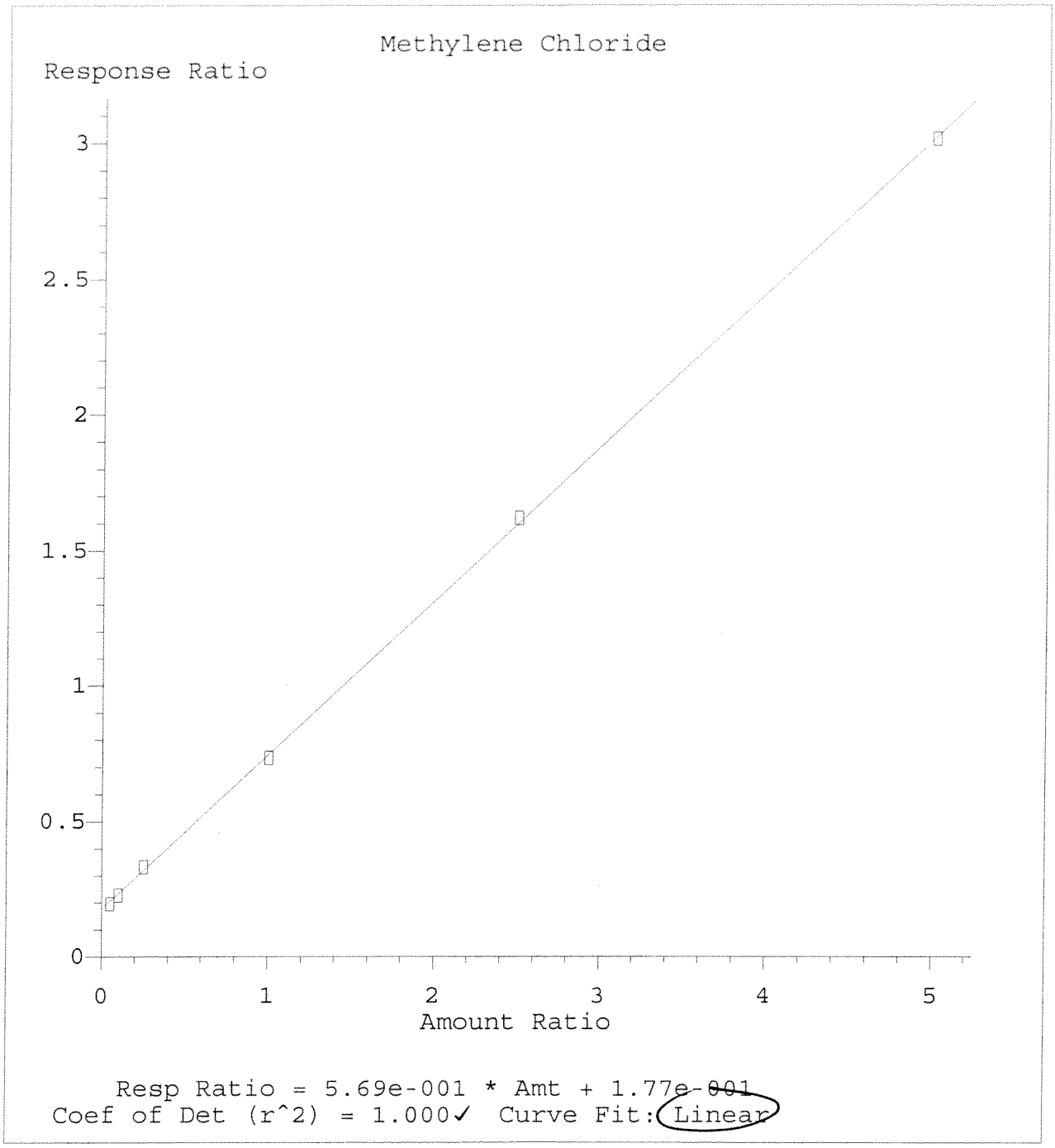
Calibration Files
1 =I44002SI.D 2 =I44003SI.D 5 =I44004SI.D
20 =I44005SI.D 50 =I44006SI.D 100 =I44007SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
88)	TM	1,4-Dichlorobenzene	1.425	1.509	1.405	1.338	1.450	1.404	1.422	3.99
89)	TM	n-butylbenzene	2.734	2.765	2.612	2.697	2.926	2.781	2.752	3.78
90)	TM	1,2-Dichlorobenzene	1.340	1.281	1.275	1.280	1.336	1.297	1.301	2.24
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.150	0.185	0.195	0.203	0.203	0.206	0.190	11.14
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	0.952	0.929	0.863	0.889	0.952	0.904	0.915	3.92
95)	TM	Hexachlorobutadiene	0.355	0.405	0.351	0.379	0.419	0.394	0.384	7.09
96)	TM	Naphthalene	1.115	1.270	1.310	1.621	1.811	1.934	1.510	~~21.68~~ 20.4
97)	TM	1,2,3-Trichlorobenz	0.780	0.846	0.759	0.803	0.850	0.823	0.810	4.49
98)	TM	1,3,5-Trichlorobenz	1.004	1.016	0.993	0.977	1.047	0.974	1.002	2.71

9/29/10

(#) = Out of Range

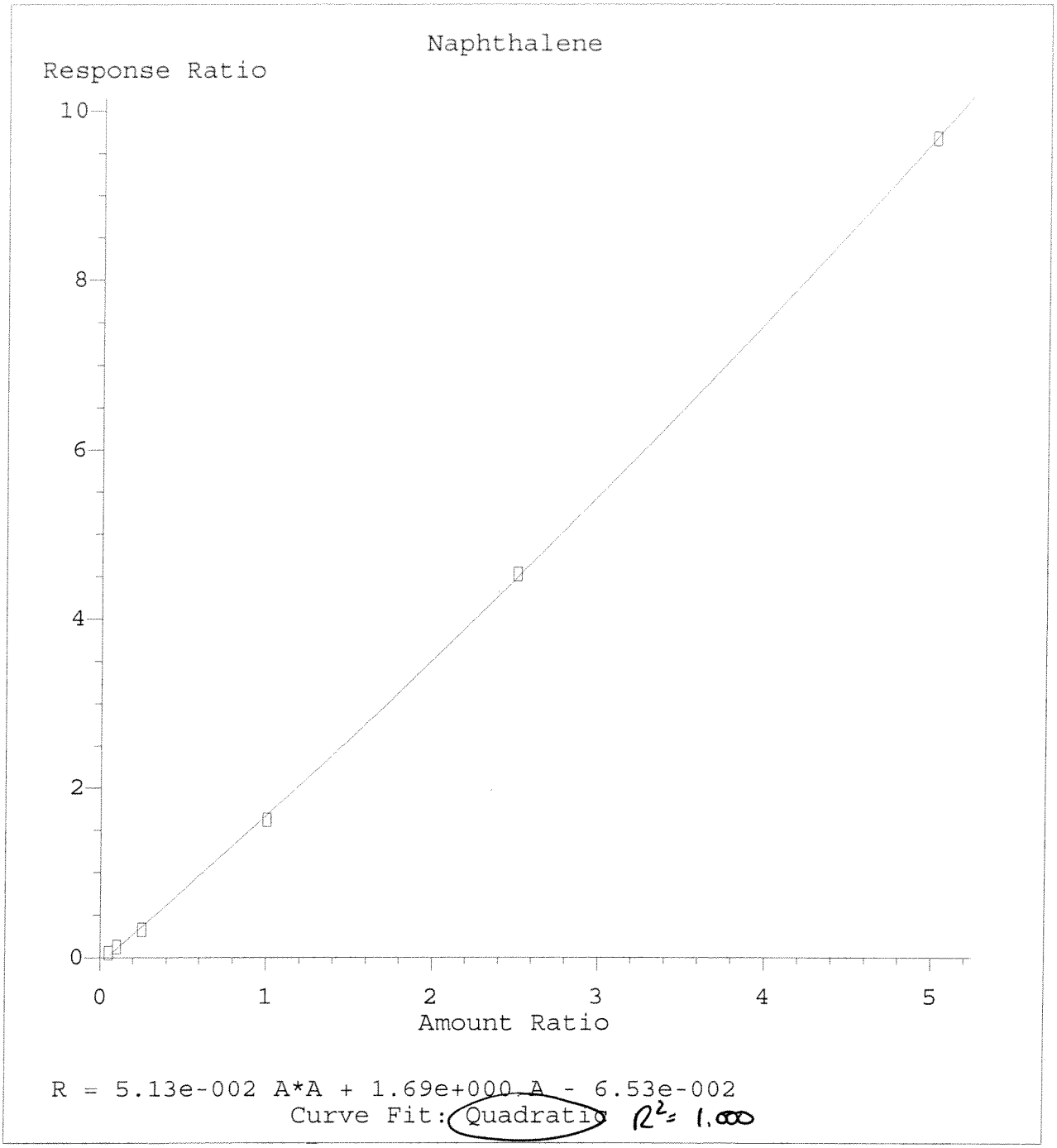
MT 9/29/10



Method Name: C:\HPCHEM\1\METHODS\VS09270I.M
Calibration Table Last Updated: Tue Sep 28 11:31:07 2010

J92910

MT 9/29/10



Method Name: C:\HPCHEM\1\METHODS\VS09270I.M
Calibration Table Last Updated: Tue Sep 28 11:31:07 2010

J 9/29/10

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: BLK
Spike: 20 PPB ICV

MT 9/29/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
Dichlorodifluoromethane	20	80	120	0.0	22	108	
Chloromethane	20	80	120	0.0	20	98	
Vinyl Chloride	20	80	120	0.0	21	105	
Bromomethane	20	80	120	0.0	23	116	
Chloroethane	20	80	120	0.0	21	107	
t-Butyl alcohol (TBA)	100	80	120	0.0	104	104	
Trichlorofluoromethane	20	80	120	0.0	18	92	
Diethyl ether	20	80	120	0.0	22	111	
1,1,2-Trichlorotrifluoroethane	20	80	120	0.0	21	106	
Acetone	100	80	120	0.0	108	108	
1,1-Dichloroethene	20	80	120	0.0	21	107	
Methyl iodide	20	80	120	0.0	24	118	
Di-isopropyl ether (DIPE)	20	80	120	0.0	21	105	
Methylene Chloride	20	80	120	0.0	23	114	
Carbon Disulfide	20	80	120	0.0	23	115	
Methyl-tert-butyl ether (MTBE)	40	80	120	0.0	43	108	
trans-1,2-Dichloroethene	20	80	120	0.0	21	105	
1,1-Dichloroethane	20	80	120	0.0	21	107	
Vinyl acetate	20	80	120	0.0	18	91	
Methyl ethyl ketone	100	80	120	0.0	109	109	
Ethyl t-butyl ether (ETBE)	20	80	120	0.0	21	106	
2,2-Dichloropropane	20	80	120	0.0	21	106	
cis-1,2-Dichloroethene	20	80	120	0.0	22	111	
t-Amyl methyl ether (TAME)	20	80	120	0.0	21	106	
Chloroform	20	80	120	0.0	22	108	
Bromochloromethane	20	80	120	0.0	23	117	
Tetrahydrofuran	20	80	120	0.0	23	113	
1,1,1-Trichloroethane	20	80	120	0.0	22	109	
1,1-Dichloropropene	20	80	120	0.0	21	107	
Carbon Tetrachloride	20	80	120	0.0	22	111	
1,2-Dichloroethane	20	80	120	0.0	22	111	
Benzene	20	80	120	0.0	21	106	
Trichloroethene	20	80	120	0.0	21	105	
1,2-Dichloropropane	20	80	120	0.0	22	109	
Methylmethacrylate	20	80	120	0.0	22	112	
Methyl acetate	20	80	120	0.0	23	113	
Cyclohexane	20	80	120	0.0	18	92	
Bromodichloromethane	20	80	120	0.0	22	108	
Dibromomethane	20	80	120	0.0	21	107	
1,4-Dioxane	500	80	120	0.0	518	104	
Methylcyclohexane	20	80	120	0.0	21	103	
2-Hexanone	100	80	120	0.0	112	112	
Methyl isobutyl ketone	100	80	120	0.0	108	108	
cis-1,3-Dichloropropene	20	80	120	0.0	22	111	
Toluene	20	80	120	0.0	21	105	
trans-1,3-Dichloropropene	20	80	120	0.0	20	102	
1,1,2-Trichloroethane	20	80	120	0.0	22	111	
1,3-Dichloropropane	20	80	120	0.0	22	112	
Tetrachloroethene	20	80	120	0.0	23	114	
Dibromochloromethane	20	80	120	0.0	22	112	

9/29/10

VOA FORM 3

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: BLK
Spike: 20 PPB ICV

MT 9/29/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
1,2-Dibromoethane	20	80	120	0.0	23	113	
Chlorobenzene	20	80	120	0.0	21	107	
1,1,1,2-Tetrachloroethane	20	80	120	0.0	22	111	
Ethylbenzene	20	80	120	0.0	21	107	
m,p-Xylene	40	80	120	0.0	43	106	
o-Xylene	20	80	120	0.0	21	104	
Styrene	20	80	120	0.0	22	109	
Bromoform	20	80	120	0.0	22	112	
Isopropylbenzene	20	80	120	0.0	19	94	
1,1,2,2-Tetrachloroethane	20	80	120	0.0	21	107	
1,2,3-Trichloropropane	20	80	120	0.0	22	108	
trans-1,4-Dichloro-2-butene	20	80	120	0.0	23	114	
n-Propylbenzene	20	80	120	0.0	21	103	
Bromobenzene	20	80	120	0.0	22	109	
1,3,5-Trimethylbenzene	20	80	120	0.0	21	107	
2-Chlorotoluene	20	80	120	0.0	21	106	
4-Chlorotoluene	20	80	120	0.0	21	104	
tert-butylbenzene	20	80	120	0.0	21	107	
1,2,4-Trimethylbenzene	20	80	120	0.0	21	103	
sec-butylbenzene	20	80	120	0.0	22	108	
p-isopropyltoluene	20	80	120	0.0	21	104	
1,3-Dichlorobenzene	20	80	120	0.0	21	104	
1,4-Dichlorobenzene	20	80	120	0.0	21	106	
n-butylbenzene	20	80	120	0.0	22	108	
1,2-Dichlorobenzene	20	80	120	0.0	22	109	
1,2-Dibromo-3-chloropropane	20	80	120	0.0	22	110	
1,2,4-Trichlorobenzene	20	80	120	0.0	20	101	
Hexachlorobutadiene	20	80	120	0.0	22	111	
Naphthalene	20	80	120	0.0	18	92	
1,2,3-Trichlorobenzene	20	80	120	0.0	22	108	
1,3,5-Trichlorobenzene	20	80	120	0.0	20	101	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 9129W

VOA FORM 3

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

*RR

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓98	0.02
2	TM	Dichlorodifluoromethane	0.701	0.739	-5.4	109	0.00
3	TMP	Chloromethane	0.606	0.602✓	0.7	106	0.00
4	TMC	Vinyl Chloride	0.532	0.557	✓-4.7	108	0.00
5	TM	Bromomethane	0.417	0.475	-13.9	126	0.00
6	TM	Chloroethane	0.295	0.309	-4.7	105	0.01
7	TM	t-Butyl alcohol (TBA)	0.090	0.111	MT -23.3#	111	0.02
8	TM	Trichlorofluoromethane	1.059	1.143	-7.9	111	0.00
9	TM	Diethyl ether	0.258	0.287	-11.2	109	0.00
10	TM	1,1,2-Trichlorotrifluoroeth	0.564	0.637	-12.9	113	0.02
11	T	Acrolein	0.000	0.000#	0.0	106	0.02
12	TM	Acetone	0.234	0.278	-18.8	113	0.01
13	TMC	1,1-Dichloroethene	0.478	0.544	✓-13.8	116	0.00
14	TM	Methyl iodide	0.736	0.820	-11.4	113	0.01
15	TM	Di-isopropyl ether (DIPE)	1.925	2.079	-8.0	108	0.02
16	TM	Methylene Chloride	1.587	0.988 Lin 142%	~~37.7#~~	132	0.02
17	TM	Carbon Disulfide	1.572	1.712	-8.9	111	0.02
18	T	Acrylonitrile	0.218	0.257	-17.9	107	0.00
19	TM	Methyl-tert-butyl ether (MT	1.584	1.773	-11.9	110	0.03
20	TM	trans-1,2-Dichloroethene	0.577	0.638	-10.6	115	0.00
21	TMP	1,1-Dichloroethane	1.081	1.179✓	-9.1	111	0.02
22	TM	Vinyl acetate	0.084	0.098#	-16.7	110	0.01
23	TM	Methyl ethyl ketone	0.064	0.078# 120%	-21.9#	108	0.02
24	TM	Ethyl t-butyl ether (ETBE)	1.969	2.160	-9.7	108	0.00
25	TM	2,2-Dichloropropane	0.866	0.969	-11.9	114	0.03
26	TM	cis-1,2-Dichloroethene	0.632	0.698	-10.4	112	0.00
27	TM	t-Amyl methyl ether (TAME)	1.528	1.698	-11.1	109	0.00
28	S	DB HOLDER #28	0.855	0.895	-4.7	102	0.00
29	TMC	Chloroform	1.088	1.189	✓-9.3	111	0.02
30	TM	Bromochloromethane	0.312	0.349	-11.9	106	0.02
31	TM	Tetrahydrofuran	0.071	0.081#	-14.1	108	0.00
32	TM	1,1,1-Trichloroethane	0.902	1.018	-12.9	114	0.02
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.771	0.847	-9.9	113	0.02
35	TM	Carbon Tetrachloride	0.727	0.815	-12.1	114	0.00
36	S	d4-1,2-Dichloroethane	0.855	0.895	-4.7	102	0.00
37	TM	1,2-Dichloroethane	1.005	1.107	-10.1	109	0.00
38	TM	Benzene	1.915	2.059	-7.5	109	0.02
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓99	0.02
40	TM	Trichloroethene	0.329	0.364	-10.6	112	0.00
41	TMC	1,2-Dichloropropane	0.300	0.324	✓-8.0	112	0.02

(#) = Out of Range

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil MT 9/29/10
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.204	0.234	-14.7	109	0.00
43	TM	Methyl acetate	0.307	0.328	-6.8	109	0.00
44	TM	Cyclohexane	0.469	0.510	-8.7	111	0.03
45	TM	Bromodichloromethane	0.452	0.491	-8.6	109	0.00
46	TM	Dibromomethane	0.266	0.292	-9.8	108	0.00
47	TM	1,4-Dioxane	0.004	0.005#	MT -25.0#	109	0.00
48	TM	Methylcyclohexane	0.439	0.492	-12.1	114	0.02
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	109	0.00
51	TM	2-Hexanone	0.134	0.162 121%	-20.9#	111	0.00
52	TM	Methyl isobutyl ketone	0.136	0.161	-18.4	110	0.00
53	TM	cis-1,3-Dichloropropene	0.477	0.512	-7.3	109	0.02
54	S	d8-Toluene	1.075	1.081	-0.6	99	0.00
55	TMC	Toluene	0.661	0.705	✓-6.7	110	0.02
56	TM	trans-1,3-Dichloropropene	0.468	0.528	-12.8	112	0.02
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.227	0.252	-11.0	107	0.00
59	TM	1,3-Dichloropropane	0.436	0.479	-9.9	108	0.02
60	TM	Tetrachloroethene	0.285	0.327	-14.7	117	0.00
61	TM	Dibromochloromethane	0.340	0.382	-12.4	109	0.02
62	TM	1,2-Dibromoethane	0.341	0.386	-13.2	110	0.02
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓98	0.00
64	TMP	Chlorobenzene	0.916	1.004✓	-9.6	111	0.02
65	TM	1,1,1,2-Tetrachloroethane	0.320	0.346	-8.1	110	0.02
66	TMC	Ethylbenzene	1.465	1.624	✓-10.9	112	0.00
67	TM	m,p-Xylene	0.550	0.591	-7.5	110	0.02
68	TM	o-Xylene	0.538	0.578	-7.4	107	0.00
69	TM	Styrene	0.945	1.045	-10.6	110	0.02
70	TMP	Bromoform	0.239	0.275✓	-15.1	110	0.00
71	TM	Isopropylbenzene	1.396	1.536	-10.0	112	0.02
72	TMP	1,1,2,2-Tetrachloroethane	0.427	0.475✓	-11.2	107	0.02
73	S	Bromofluorobenzene	0.511	0.515	-0.8	100	0.00
74	TM	1,2,3-Trichloropropane	0.329	0.355	-7.9	105	0.02
75	TM	trans-1,4-Dichloro-2-butene	0.069	0.087#	MT -26.1#	112	0.02
76	TM	n-Propylbenzene	1.719	1.899	-10.5	111	0.02
77	TM	Bromobenzene	0.342	0.377	-10.2	111	0.00
78	TM	1,3,5-Trimethylbenzene	1.149	1.259	-9.6	112	0.00
79	TM	2-Chlorotoluene	1.152	1.222	-6.1	109	0.02
80	TM	4-Chlorotoluene	1.067	1.155	-8.2	109	0.00
81	TM	tert-butylbenzene	0.966	1.046	-8.3	106	0.00
82	TM	1,2,4-Trimethylbenzene	1.216	1.338	-10.0	111	0.02

(#) = Out of Range
9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.184	0.196	-6.5	106	0.01
84	TM	sec-butylbenzene	1.495	1.667	-11.5	114	0.02
85	TM	p-isopropyltoluene	1.176	1.308	-11.2	112	0.02
86	TM	1,3-Dichlorobenzene	0.600	0.665	-10.8	112	0.02
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓96	0.02
88	TM	1,4-Dichlorobenzene	1.422	1.600	-12.5	115	0.02
89	TM	n-butylbenzene	2.752	3.208	-16.6	115	0.02
90	TM	1,2-Dichlorobenzene	1.301	1.456	-11.9	110	0.02
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.190	0.239 120%	-25.8#	114	0.02
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.915	1.048	-14.5	113	0.02
95	TM	Hexachlorobutadiene	0.384	0.454	-18.2	115	0.02
96	TM	Naphthalene	1.510	1.855Q 110%	~~-22.8#~~	110	0.02
97	TM	1,2,3-Trichlorobenzene	0.810	0.935	-15.4	112	0.02
98	TM	1,3,5-Trichlorobenzene	1.002	1.172	-17.0	116	0.02

9/29/10

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	I44014SC.D
0=LINEAR	Date Acquired	9/28/2010 8:19
3=QUADRATIC	Sample Name	20 PPB

MT 9/29/10

METHOD: C:\HPCHEM\1\METHODS\VS09270I.M

*RR

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	21.09	20	5.4%	NA	OK
1	Chloromethane	19.86	20	0.7%	NA	OK
1	Vinyl Chloride	20.93	20	4.7%	NA	OK
1	Bromomethane	22.77	20	13.9%	NA	OK
1	Chloroethane	20.92	20	4.6%	NA	OK
1	t-Butyl alcohol (TBA)	124.36	100	24.4%	NA	* MT
1	Trichlorofluoromethane	21.59	20	7.9%	NA	OK
1	Diethyl ether	22.26	20	11.3%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	22.57	20	12.8%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	* MT
1	Acetone	118.97	100	19.0%	NA	OK
1	1,1-Dichloroethene	22.74	20	13.7%	NA	OK
1	Methyl iodide	22.26	20	11.3%	NA	OK
1	Di-isopropyl ether (DIPE)	21.60	20	8.0%	NA	OK
0	Methylene Chloride	28.50	20	42.5%		*
1	Carbon Disulfide	21.77	20	8.9%	NA	OK
1	Acrylonitrile	23.54	20	17.7%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	22.39	20	12.0%	NA	OK
1	trans-1,2-Dichloroethene	22.13	20	10.7%	NA	OK
1	1,1-Dichloroethane	21.81	20	9.1%	NA	OK
1	Vinyl acetate	23.45	20	17.3%	NA	OK
1	Methyl ethyl ketone	120.45	100	20.4%	NA	*
1	Ethyl t-butyl ether (ETBE)	21.94	20	9.7%	NA	OK
1	2,2-Dichloropropane	22.38	20	11.9%	NA	OK
1	cis-1,2-Dichloroethene	22.09	20	10.4%	NA	OK
1	t-Amyl methyl ether (TAME)	22.23	20	11.2%	NA	OK
1	Chloroform	21.84	20	9.2%	NA	OK
1	Bromochloromethane	22.38	20	11.9%	NA	OK
1	Tetrahydrofuran	23.02	20	15.1%	NA	OK
1	1,1,1-Trichloroethane	22.56	20	12.8%	NA	OK
1	~~NO COMPOUND~~	0.00	1000	100.0%	NA	
1	1,1-Dichloropropene	21.95	20	9.7%	NA	OK
1	Carbon Tetrachloride	22.43	20	12.1%	NA	OK
1	d4-1,2-Dichloroethane	20.94	20	4.7%	NA	OK
1	1,2-Dichloroethane	22.02	20	10.1%	NA	OK
1	Benzene	21.51	20	7.5%	NA	OK
1	Trichloroethene	22.11	20	10.6%	NA	OK
1	1,2-Dichloropropane	21.57	20	7.8%	NA	OK
1	Methylmethacrylate	22.94	20	14.7%	NA	OK
1	Methyl acetate	21.35	20	6.7%	NA	OK

092900

MT 9/29/10

1	Cyclohexane	21.74	20	8.7%	NA	OK
1	Bromodichloromethane	21.69	20	8.4%	NA	OK
1	Dibromomethane	21.96	20	9.8%	NA	OK
1	1,4-Dioxane	598.09	500	19.6%	NA	OK
1	Methylcyclohexane	22.41	20	12.1%	NA	OK
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	* MT
1	2-Hexanone	120.89	100	20.9%	NA	*
1	Methyl isobutyl ketone	118.82	100	18.8%	NA	OK
1	cis-1,3-Dichloropropene	21.50	20	7.5%	NA	OK
1	d8-Toluene	20.11	20	0.6%	NA	OK
1	Toluene	21.33	20	6.6%	NA	OK
1	trans-1,3-Dichloropropene	22.57	20	12.8%	NA	OK
1	1,1,2-Trichloroethane	22.22	20	11.1%	NA	OK
1	1,3-Dichloropropane	21.96	20	9.8%	NA	OK
1	Tetrachloroethene	22.90	20	14.5%	NA	OK
1	Dibromochloromethane	22.47	20	12.3%	NA	OK
1	1,2-Dibromoethane	22.63	20	13.2%	NA	OK
1	Chlorobenzene	21.93	20	9.6%	NA	OK
1	1,1,1,2-Tetrachloroethane	21.66	20	8.3%	NA	OK
1	Ethylbenzene	22.17	20	10.8%	NA	OK
1	m,p-Xylene	42.97	40	7.4%	NA	OK
1	o-Xylene	21.52	20	7.6%	NA	OK
1	Styrene	22.12	20	10.6%	NA	OK
1	Bromoform	22.99	20	15.0%	NA	OK
1	Isopropylbenzene	22.01	20	10.0%	NA	OK
1	1,1,2,2-Tetrachloroethane	22.27	20	11.4%	NA	OK
1	Bromofluorobenzene	20.17	20	0.8%	NA	OK
1	1,2,3-Trichloropropane	21.57	20	7.9%	NA	OK
1	trans-1,4-Dichloro-2-butene	25.37	20	26.8%	NA	* MT
1	n-Propylbenzene	22.10	20	10.5%	NA	OK
1	Bromobenzene	22.03	20	10.1%	NA	OK
1	1,3,5-Trimethylbenzene	21.91	20	9.5%	NA	OK
1	2-Chlorotoluene	21.21	20	6.0%	NA	OK
1	4-Chlorotoluene	21.64	20	8.2%	NA	OK
1	tert-butylbenzene	21.66	20	8.3%	NA	OK
1	1,2,4-Trimethylbenzene	22.02	20	10.1%	NA	OK
1	Pentachloroethane	21.32	20	6.6%	NA	OK
1	sec-butylbenzene	22.31	20	11.5%	NA	OK
1	p-isopropyltoluene	22.24	20	11.2%	NA	OK
1	1,3-Dichlorobenzene	22.18	20	10.9%	NA	OK
1	1,4-Dichlorobenzene	22.50	20	12.5%	NA	OK
1	n-butylbenzene	23.31	20	16.6%	NA	OK
1	1,2-Dichlorobenzene	22.38	20	11.9%	NA	OK
1	1,2-Dibromo-3-chloropropane	25.16	20	25.8%	NA	*
1	1,2,4-Trichlorobenzene	22.90	20	14.5%	NA	OK
1	Hexachlorobutadiene	23.67	20	18.4%	NA	OK
3	Naphthalene	21.95	20	9.8%		OK
1	1,2,3-Trichlorobenzene	23.09	20	15.4%	NA	OK
1	1,3,5-Trichlorobenzene	23.39	20	16.9%	NA	OK

J 9/29/10

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D Vial: 4
Acq On : 28 Sep 2010 8:52 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓100	0.03
2	TM	Dichlorodifluoromethane	0.701	0.724	-3.3	108	0.00
3	TMP	Chloromethane	0.606	0.638✓	-5.3	113	0.00
4	TMC	Vinyl Chloride	0.532	0.574	✓-7.9	113	0.00
5	TM	Bromomethane	0.417	0.468	-12.2	126	0.00
6	TM	Chloroethane	0.295	0.331	-12.2	114	0.01
7	TM	t-Butyl alcohol (TBA)	0.090	0.089#	1.1	89	0.02
8	TM	Trichlorofluoromethane	1.059	1.170	-10.5	115	0.00
9	TM	Diethyl ether	0.258	0.280	-8.5	107	0.01
10	TM	1,1,2-Trichlorotrifluoroeth	0.564	0.622	-10.3	112	0.02
11	T	Acrolein	0.000	0.000#	0.0	100	0.01
12	TM	Acetone	0.234	0.234	0.0	97	0.01
13	TMC	1,1-Dichloroethene	0.478	0.526	✓-10.0	113	0.02
14	TM	Methyl iodide	0.736	0.918	-24.7#	128	0.01
15	TM	Di-isopropyl ether (DIPE)	1.925	2.000	-3.9	105	0.03
16	TM	Methylene Chloride	1.587	0.705 Lin93%	~~-55.6#~~	96	0.02
17	TM	Carbon Disulfide	1.572	1.694	-7.8	111	0.02
18	T	Acrylonitrile	0.218	0.233	-6.9	98	0.02
19	TM	Methyl-tert-butyl ether (MT	1.584	1.666	-5.2	104	0.03
20	TM	trans-1,2-Dichloroethene	0.577	0.632	-9.5	115	0.01
21	TMP	1,1-Dichloroethane	1.081	1.143✓	-5.7	109	0.02
22	TM	Vinyl acetate	0.084	0.094#	-11.9	107	0.02
23	TM	Methyl ethyl ketone	0.064	0.069#	-7.8	96	0.03
24	TM	Ethyl t-butyl ether (ETBE)	1.969	2.116	-7.5	107	0.03
25	TM	2,2-Dichloropropane	0.866	0.976	-12.7	116	0.04
26	TM	cis-1,2-Dichloroethene	0.632	0.677	-7.1	109	0.02
27	TM	t-Amyl methyl ether (TAME)	1.528	1.602	-4.8	104	0.02
28	S	DB HOLDER #28	0.855	0.878	-2.7	101	0.03
29	TMC	Chloroform	1.088	1.175	✓-8.0	111	0.03
30	TM	Bromochloromethane	0.312	0.337	-8.0	103	0.03
31	TM	Tetrahydrofuran	0.071	0.074#	-4.2	100	0.02
32	TM	1,1,1-Trichloroethane	0.902	0.980	-8.6	111	0.03
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.771	0.839	-8.8	113	0.03
35	TM	Carbon Tetrachloride	0.727	0.802	-10.3	113	0.02
36	S	d4-1,2-Dichloroethane	0.855	0.878	-2.7	101	0.03
37	TM	1,2-Dichloroethane	1.005	1.063	-5.8	105	0.02
38	TM	Benzene	1.915	1.981	-3.4	106	0.03
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓100	0.03
40	TM	Trichloroethene	0.329	0.352	-7.0	109	0.02
41	TMC	1,2-Dichloropropane	0.300	0.309	✓-3.0	107	0.03

(#) = Out of Range

5/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D Vial: 4
Acq On : 28 Sep 2010 8:52 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.204	0.221	-8.3	104	0.03
43	TM	Methyl acetate	0.307	0.299	2.6	100	0.01
44	TM	Cyclohexane	0.469	0.499	-6.4	110	0.03
45	TM	Bromodichloromethane	0.452	0.484	-7.1	108	0.03
46	TM	Dibromomethane	0.266	0.286	-7.5	107	0.02
47	TM	1,4-Dioxane	0.004	0.004#	0.0	87	0.02
48	TM	Methylcyclohexane	0.439	0.487	-10.9	114	0.03
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	101	0.02
51	TM	2-Hexanone	0.134	0.143	-6.7	99	0.03
52	TM	Methyl isobutyl ketone	0.136	0.143	-5.1	98	0.02
53	TM	cis-1,3-Dichloropropene	0.477	0.504	-5.7	108	0.03
54	S	d8-Toluene	1.075	1.083	-0.7	100	0.03
55	TMC	Toluene	0.661	0.692	✓-4.7	109	0.03
56	TM	trans-1,3-Dichloropropene	0.468	0.509	-8.8	108	0.03
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.227	0.241	-6.2	104	0.02
59	TM	1,3-Dichloropropane	0.436	0.459	-5.3	104	0.03
60	TM	Tetrachloroethene	0.285	0.304	-6.7	110	0.03
61	TM	Dibromochloromethane	0.340	0.364	-7.1	105	0.03
62	TM	1,2-Dibromoethane	0.341	0.362	-6.2	104	0.03
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓99	0.02
64	TMP	Chlorobenzene	0.916	0.979✓	-6.9	109	0.03
65	TM	1,1,1,2-Tetrachloroethane	0.320	0.337	-5.3	108	0.03
66	TMC	Ethylbenzene	1.465	1.583	✓-8.1	110	0.02
67	TM	m,p-Xylene	0.550	0.587	-6.7	111	0.03
68	TM	o-Xylene	0.538	0.573	-6.5	107	0.02
69	TM	Styrene	0.945	1.020	-7.9	109	0.03
70	TMP	Bromoform	0.239	0.260✓	-8.8	105	0.03
71	TM	Isopropylbenzene	1.396	1.522	-9.0	112	0.03
72	TMP	1,1,2,2-Tetrachloroethane	0.427	0.448✓	-4.9	102	0.03
73	S	Bromofluorobenzene	0.511	0.515	-0.8	101	0.02
74	TM	1,2,3-Trichloropropane	0.329	0.327	0.6	98	0.03
75	TM	trans-1,4-Dichloro-2-butene	0.069	0.078#	-13.0	101	0.03
76	TM	n-Propylbenzene	1.719	1.854	-7.9	110	0.03
77	TM	Bromobenzene	0.342	0.358	-4.7	106	0.02
78	TM	1,3,5-Trimethylbenzene	1.149	1.249	-8.7	112	0.02
79	TM	2-Chlorotoluene	1.152	1.220	-5.9	110	0.03
80	TM	4-Chlorotoluene	1.067	1.159	-8.6	110	0.02
81	TM	tert-butylbenzene	0.966	1.046	-8.3	107	0.02
82	TM	1,2,4-Trimethylbenzene	1.216	1.307	-7.5	110	0.03

(#) = Out of Range

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D Vial: 4
Acq On : 28 Sep 2010 8:52 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/28/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.184	0.200	-8.7	110	0.02
84	TM	sec-butylbenzene	1.495	1.676	-12.1	116	0.03
85	TM	p-isopropyltoluene	1.176	1.294	-10.0	112	0.03
86	TM	1,3-Dichlorobenzene	0.600	0.644	-7.3	109	0.03
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓98	0.03
88	TM	1,4-Dichlorobenzene	1.422	1.527	-7.4	112	0.03
89	TM	n-butylbenzene	2.752	3.193	-16.0	116	0.03
90	TM	1,2-Dichlorobenzene	1.301	1.402	-7.8	107	0.03
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.190	0.214	-12.6	103	0.03
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.915	1.029	-12.5	113	0.02
95	TM	Hexachlorobutadiene	0.384	0.444	-15.6	115	0.03
96	TM	Naphthalene	1.510	1.507	0.2	91	0.02
97	TM	1,2,3-Trichlorobenzene	0.810	0.886	-9.4	108	0.03
98	TM	1,3,5-Trichlorobenzene	1.002	1.152	-15.0	115	0.03

9/29/10

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	I44015SC.D
0=LINEAR	Date Acquired	9/28/2010 8:52
3=QUADRATIC	Sample Name	20 PPB

MT 9/29/10

METHOD: C:\HPCHEM\1\METHODS\VS09270I.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	20.64	20	3.2%	NA	OK
1	Chloromethane	21.04	20	5.2%	NA	OK
1	Vinyl Chloride	21.56	20	7.8%	NA	OK
1	Bromomethane	22.42	20	12.1%	NA	OK
1	Chloroethane	22.41	20	12.1%	NA	OK
1	t-Butyl alcohol (TBA)	99.52	100	0.5%	NA	OK
1	Trichlorofluoromethane	22.11	20	10.5%	NA	OK
1	Diethyl ether	21.66	20	8.3%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	22.05	20	10.2%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	*
1	Acetone	100.34	100	0.3%	NA	OK
1	1,1-Dichloroethene	21.99	20	9.9%	NA	OK
1	Methyl iodide	24.95	20	24.7%	NA	*
1	Di-isopropyl ether (DIPE)	20.78	20	3.9%	NA	OK
0	Methylene Chloride	18.57	20	7.1%		OK
1	Carbon Disulfide	21.54	20	7.7%	NA	OK
1	Acrylonitrile	21.31	20	6.5%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	21.03	20	5.2%	NA	OK
1	trans-1,2-Dichloroethene	21.91	20	9.6%	NA	OK
1	1,1-Dichloroethane	21.15	20	5.7%	NA	OK
1	Vinyl acetate	22.56	20	12.8%	NA	OK
1	Methyl ethyl ketone	106.23	100	6.2%	NA	OK
1	Ethyl t-butyl ether (ETBE)	21.49	20	7.4%	NA	OK
1	2,2-Dichloropropane	22.53	20	12.6%	NA	OK
1	cis-1,2-Dichloroethene	21.42	20	7.1%	NA	OK
1	t-Amyl methyl ether (TAME)	20.98	20	4.9%	NA	OK
1	Chloroform	21.58	20	7.9%	NA	OK
1	Bromochloromethane	21.56	20	7.8%	NA	OK
1	Tetrahydrofuran	21.12	20	5.6%	NA	OK
1	1,1,1-Trichloroethane	21.73	20	8.6%	NA	OK
1	~~NO COMPOUND~~	0.00	1000	100.0%	NA	
1	1,1-Dichloropropene	21.75	20	8.7%	NA	OK
1	Carbon Tetrachloride	22.08	20	10.4%	NA	OK
1	d4-1,2-Dichloroethane	20.54	20	2.7%	NA	OK
1	1,2-Dichloroethane	21.15	20	5.8%	NA	OK
1	Benzene	20.69	20	3.5%	NA	OK
1	Trichloroethene	21.36	20	6.8%	NA	OK
1	1,2-Dichloropropane	20.60	20	3.0%	NA	OK
1	Methylmethacrylate	21.65	20	8.3%	NA	OK
1	Methyl acetate	19.47	20	2.6%	NA	OK

5929w

MT 9/29/10

1	Cyclohexane	21.30	20	6.5%	NA	OK
1	Bromodichloromethane	21.41	20	7.0%	NA	OK
1	Dibromomethane	21.49	20	7.5%	NA	OK
1	1,4-Dioxane	469.92	500	6.0%	NA	OK
1	Methylcyclohexane	22.21	20	11.1%	NA	OK
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	* MT
1	2-Hexanone	106.83	100	6.8%	NA	OK
1	Methyl isobutyl ketone	105.19	100	5.2%	NA	OK
1	cis-1,3-Dichloropropene	21.15	20	5.7%	NA	OK
1	d8-Toluene	20.14	20	0.7%	NA	OK
1	Toluene	20.95	20	4.7%	NA	OK
1	trans-1,3-Dichloropropene	21.74	20	8.7%	NA	OK
1	1,1,2-Trichloroethane	21.28	20	6.4%	NA	OK
1	1,3-Dichloropropane	21.05	20	5.3%	NA	OK
1	Tetrachloroethene	21.30	20	6.5%	NA	OK
1	Dibromochloromethane	21.42	20	7.1%	NA	OK
1	1,2-Dibromoethane	21.21	20	6.1%	NA	OK
1	Chlorobenzene	21.38	20	6.9%	NA	OK
1	1,1,1,2-Tetrachloroethane	21.06	20	5.3%	NA	OK
1	Ethylbenzene	21.61	20	8.1%	NA	OK
1	m,p-Xylene	42.68	40	6.7%	NA	OK
1	o-Xylene	21.31	20	6.6%	NA	OK
1	Styrene	21.60	20	8.0%	NA	OK
1	Bromoform	21.75	20	8.7%	NA	OK
1	Isopropylbenzene	21.81	20	9.0%	NA	OK
1	1,1,2,2-Tetrachloroethane	21.00	20	5.0%	NA	OK
1	Bromofluorobenzene	20.15	20	0.8%	NA	OK
1	1,2,3-Trichloropropane	19.83	20	0.8%	NA	OK
1	trans-1,4-Dichloro-2-butene	22.63	20	13.1%	NA	OK
1	n-Propylbenzene	21.58	20	7.9%	NA	OK
1	Bromobenzene	20.91	20	4.6%	NA	OK
1	1,3,5-Trimethylbenzene	21.73	20	8.6%	NA	OK
1	2-Chlorotoluene	21.17	20	5.9%	NA	OK
1	4-Chlorotoluene	21.72	20	8.6%	NA	OK
1	tert-butylbenzene	21.67	20	8.4%	NA	OK
1	1,2,4-Trimethylbenzene	21.51	20	7.5%	NA	OK
1	Pentachloroethane	21.78	20	8.9%	NA	OK
1	sec-butylbenzene	22.42	20	12.1%	NA	OK
1	p-isopropyltoluene	22.00	20	10.0%	NA	OK
1	1,3-Dichlorobenzene	21.48	20	7.4%	NA	OK
1	1,4-Dichlorobenzene	21.48	20	7.4%	NA	OK
1	n-butylbenzene	23.20	20	16.0%	NA	OK
1	1,2-Dichlorobenzene	21.55	20	7.7%	NA	OK
1	1,2-Dibromo-3-chloropropane	22.46	20	12.3%	NA	OK
1	1,2,4-Trichlorobenzene	22.49	20	12.4%	NA	OK
1	Hexachlorobutadiene	23.13	20	15.7%	NA	OK
3	Naphthalene	18.08	20	9.6%		OK
1	1,2,3-Trichlorobenzene	21.87	20	9.4%	NA	OK
1	1,3,5-Trichlorobenzene	22.99	20	15.0%	NA	OK

J929w

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67835

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	115240		6.40		214249		7.92		185477		12.56		80347		16.38	
Upper Limit	230480		6.46		428498		7.98		370954		12.62		160694		16.44	
Lower limit	57620		6.34		107125		7.86		92739		12.50		40174		16.32	
SAMPLE ID																
1 PPB	113651		6.40		209896		7.93		178137		12.57		77361		16.38	
2 PPB	117322		6.40		213441		7.93		183482		12.56		78893		16.37	
5 PPB	112601		6.39		208170		7.92		178504		12.56		77316		16.38	
20 PPB	115240		6.40		214249		7.92		185477		12.56		80347		16.38	
50 PPB	119455		6.39		222446		7.92		186670		12.56		82549		16.38	
100 PPB	115759		6.39		220266		7.92		189844		12.56		82308		16.37	
20 PPB ICV	116794		6.40		216266		7.93		187549		12.56		80716		16.38	
20 PPB ICV2	113034		6.40		209787		7.92		182438		12.56		78006		16.38	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67835

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	114699		6.43		214572		7.96		183336		12.59		78599		16.41	
Upper Limit	229398		6.49		429144		8.02		366672		12.65		157198		16.47	
Lower limit	57350		6.37		107286		7.90		91668		12.53		39300		16.35	
SAMPLE ID																
20 PPB	114699		6.43		214572		7.96		183336		12.59		78599		16.41	
LL09280I	117421		6.42		222954		7.96		184581		12.59		78922		16.40	
LL09280I2	117980		6.43		221384		7.95		189239		12.58		80175		16.41	
LB09280I	113092		6.42		209787		7.95		179781		12.58		77571		16.39	
67835-1	108590		6.42		202044		7.94		171251		12.58		68763		16.40	
67835-6	107462		6.42		202104		7.95		170580		12.58		68069		16.39	
67835-5	114270		6.42		210223		7.95		181772		12.58		76287		16.39	
67835-3	112007		6.42		207780		7.95		178095		12.59		75545		16.40	
67835-4	109969		6.43		202263		7.95		174464		12.58		72852		16.40	
67835-2	113321		6.43		213552		7.95		181772		12.59		76762		16.40	
67835-6,MS	114776		6.42		216811		7.95		184244		12.58		75540		16.40	
67835-6,MSD	116754		6.42		220495		7.95		189345		12.58		76767		16.39	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV092110K2
Matrix: Soil
Percent Solid: 0
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				82
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: C-B82-GTM3-SW-2

SAMPLE DATA

Lab Sample ID: 67835-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 70
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3500	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	280	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	700	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				82
Surrogate % Recovery (2,5-Dibromotoluene) FID				76
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67835

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV092110K	74		81	
LSV092110K2	79		87	
MBV092110K2	82		88	
67835-6	76		82	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV092110K2
Spike: LSV092110K
Spike duplicate: LSV092110K2

9/22/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4637	93		4951	99		7	
2-Methylpentane	5000	5000	70	130	25	0	4503	90		4797	96		6	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	4941	99		5031	101		2	
n-Decane	5000	5000	70	130	25	0	4639	93		4923	98		6	
n-Butylcyclohexane	5000	5000	70	130	25	0	4437	89		4703	94		6	
Methyl-t-butylether #2	5000	5000	70	130	25	0	3945	79		4217	84		7	
Benzene #2	5000	5000	70	130	25	0	4291	86		4512	90		5	
Toluene #2	5000	5000	70	130	25	0	4272	85		4518	90		6	
Ethylbenzene #2	5000	5000	70	130	25	0	4168	83		4399	88		5	
m,p-Xylene #2	10000	10000	70	130	25	0	8597	86		9052	91		5	
o-Xylene #2	5000	5000	70	130	25	0	4069	81		4281	86		5	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4111	82		4340	87		5	
Naphthalene #2	5000	5000	70	130	25	0	3627	73		4010	80		10	
C5-C8 Aliphatics	15000	15000	70	130	25	0	14081	94		14778	99		5	
C9-C12 Aliphatics	10000	10000	70	130	25	0	9076	91		9626	96		6	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4111	82		4340	87		5	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

J92210

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

072210-K

VPH Surrogate: -

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	~~07~~ VPH072210.M	BLK	5ml	–	–		K27978	JJL	N/A
2		VPH 100		200ml	V8896	✓, changed trap + baked	79SC		
3		BLK		–	–		80		
4		VPH 100		200ml	V8896	✓	81SC		
5		LSV072210K	100ml/5ml	5ml	V8899	↑ Pentane, changed sparge tube	82Q		
6		BLK	5ml	–	–		83		
7		LSV072210K.RR	100ml/5ml	5ml	V8899	↑ Pentane, Recal.	84Q		
8		BLK	5ml	–	–	co concern	85		
9		VPH 1		2ml	V8910	✓	86S1		
10		VPH 2		4ml		✓	87S1		
11		VPH 5		10ml		✓	88S1		
12		VPH 20		40ml		✓	89S1		
13		VPH 50		100ml		✓	90S1		
14		VPH 100		200ml		✓	91S1		
15		VPH 200		400ml		✓	92S1		
16		BLK		–	–	co concern	93		
17		VPH 500		1ml	V8910	✓	94S1		
18		BLK		–	–	co concern	95		
19		LV072210K, ICV		100ml	V8998	✓	96Q		
20		VPH 100		200ml	V8910	✓ Test theory on instr.	97		

gg 7/23/10

Analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: [illegible]

Unload: [illegible]

092110-K

VPH Surrogate: ① V9034 x 3/17/11 ② V9040 x 3/21/11

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments		File #	Analyst	pH
1	VPH072210.m	BLK	5mL	–	–			K28995	JJL	n/a
2		VPH 100		200uL	V9035	✓		96		
3		LSV092110K	100uL/5mL	5uL	V9033	✓		97		
4		LSV092110K2				✓		98		
5		BLK	5mL	–	–			99		
6		MBV092110K	100uL/5mL	10uL	V9034		surr fails, Remake std	K29000B		
7		MBV092110K2		10uL	V9040	✓		01B		
8		67833-1	100uL/5mL		①	✓		02		
9		-2				✓		03		
10		-3				✓		04		
11		-4				✓		05		
12		-5				✓		06		
13		-6				✓		07		
14		-7				✓		08		
15		-8				✓		09		
16		-9					RR str.	10		
17		-10				✓		11		
18		-11					RR str.	12		
19		-12				✓		13		
20		-13				✓		14		
21		-14					RR SX	15		
22		-15					RR str.	16		
23		-16				✓		17		
24		67835-6				✓		18		
25		VPH 100	5mL	200uL	V9035	✓		19SC		
26		~~VPH 100~~ LSV092110K3	100uL/5mL	5uL	V9033	✓	7 & RPD hits, write memo	20 Q		
27		LSV092110K4				✓		21 Q		
28		BLK	5mL	–	–			22		
29		MBV092110K3	100uL/5mL	10uL	V9040	✓		23B		
30		67834-1			②	✓	8:28	24		
31		-2				✓	9:15	25		
32		-3				✓	10:95	26		
33		-4				✓	7:97	27		
34		-5				RR	8:26	28		
35		-7				RR str.	9:54	29		
36		-8				✓	8:58	30		
37		-11				✓	7:81	31		
38		-12				✓	8:51	32		
39		-14				✓	10:33	33		
40		-15				✓	10:00	34		

(cont.)

Response Factor Report MT Gilson

Method Path : C:\msdchem\1\METHODS\
Method File : VPH072210.M
Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
Last Update : Fri Jul 23 15:04:23 2010
Response Via : Initial Calibration

Calibration Files
2 =K27987SI.D 5 =K27988SI.D 20 =K27989SI.D
50 =K27990SI.D 0.5 =K25795SI.D 100 =K27991SI.D

SS 7/26/10

		Compound	2	5	20	50	0.5	100	Avg	%RSD
1)	ZM	Pentane	6.623	6.311	7.147	7.202		7.570	6.997 E3	6.67
2)	ZM	2-Methylpentane	8.536	7.466	8.207	8.247		8.690	8.185 E3	5.68
3)	T	Methyl-t-buty...							0.000	-1.00
4)	ZM	2,2,4-Trimeth...	8.216	7.647	8.896	8.375		7.993	7.717 E3	12.43
5)	T	Benzene							0.000	-1.00
6)	T	Toluene							0.000	-1.00
7)	XH	C5-C8 ALIPHATICS	7.792	7.141	8.083	7.941		8.084	7.325 E3	12.19
8)		n-Nonane							0.000	-1.00
9)	T	Ethylbenzene							0.000	-1.00
10)	T	m,p-Xylene							0.000	-1.00
11)	T	o-Xylene							0.000	-1.00
12)	ZM	n-Decane	6.039	4.950	5.191	5.579		7.997	6.897 E3	23.76
13)	ZM	n-Butylcycloh...	6.357	6.435	6.593	6.777		8.029	7.361 E3	16.80
14)	XH	C9-C12 ALIPHA...	6.198	5.693	5.892	6.178		8.013	7.129 E3	19.33
15)	Z	1,2,4-Trimeth...							0.000	-1.00
16)	XH	C9-C10 AROMATICS							0.000	-1.00
17)	T	Naphthalene							0.000	-1.00
18)	S	2,5-Dibromoto...	3.791	2.742	2.584	2.712		2.859	2.941 E3	13.62

Signal #2 Calibration Files
2 =K27987SI.D 5 =K27988SI.D 20 =K27989SI.D
50 =K27990SI.D 0.5 =K25795SI.D 100 =K27991SI.D

SMT 7/26/10

		Compound	2	5	20	50	0.5	100	Avg	%RSD
1)	Z	Pentane							0.000	-1.00
2)	Z	2-Methylpentane							0.000	-1.00
3)	TM	Methyl-t-buty...	5.373	4.158	4.484	4.526		4.479	4.664 E3	12.22
4)	Z	2,2,4-Trimeth...							0.000	-1.00
5)	TM	Benzene	1.280	1.265	1.309	1.312		1.321	1.301 E4	1.56
6)	TM	Toluene	1.248	1.135	1.190	1.197		1.223	1.193 E4	3.83
7)	XH	C5-C8 ALIPHATICS							0.000	-1.00
8)		n-Nonane							0.000	-1.00
9)	TM	Ethylbenzene	1.177	0.993	1.048	1.061		1.087	1.093 E4	6.11
10)	TM	m,p-Xylene	1.224	1.143	1.234	1.248		1.283	1.255 E4	5.18
11)	TM	o-Xylene	1.143	0.990	1.048	1.062		1.083	1.119 E4	12.52
12)	Z	n-Decane							0.000	-1.00
13)	Z	n-Butylcycloh...							0.000	-1.00
14)	XH	C9-C12 ALIPHA...							0.000	-1.00
15)	ZM	1,2,4-Trimeth...	1.101	0.986	1.065	1.097		1.136	1.180 E4	20.03
16)	XH	C9-C10 AROMATICS	1.101	0.986	1.065	1.097		1.136	1.180 E4	20.03
17)	TM	Naphthalene	1.007	0.881	0.939	0.971		0.997	1.019 E4	14.63
18)	S	2,5-Dibromoto...	8.562	6.808	7.149	7.585		8.153	7.893 E3	9.31

(#) = Out of Range ### Number of calibration levels exceeded format ###

VOLATILE PETROLEUM HYDROCARBONS AQUEOUS
LABORATORY CONTROL SAMPLE

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: LV072210K,ICV
Spike: LV072210K,ICV

SS 7/26/10

VMT 7/26/10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
Pentane	100	70	130	0.0	119	119	
2-Methylpentane	100	70	130	0.0	111	111	
2,2,4-Trimethylpentane	100	70	130	0.0	96	96	
n-Decane	100	70	130	0.0	111	111	
n-Butylcyclohexane	100	70	130	0.0	102	102	
Methyl-t-butylether #2	100	70	130	0.0	95	95	
Benzene #2	100	70	130	0.0	103	103	
Toluene #2	100	70	130	0.0	103	103	
Ethylbenzene #2	100	70	130	0.0	99	99	
m,p-Xylene #2	200	70	130	0.0	204	102	
o-Xylene #2	100	70	130	0.0	97	97	
1,2,4-Trimethylbenzene #2	100	70	130	0.0	97	97	
Naphthalene #2	100	70	130	0.0	100	100	
C5-C8 Aliphatics	300	70	130	0.0	326	109	
C9-C12 Aliphatics	200	70	130	0.0	213	107	
C9-C10 Aromatics #2	100	70	130	0.0	97	97	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VPH FORM 3

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28996SC.D

gs 9/22/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	97	3.0	
2-Methylpentane	99	1.4	
2,2,4-Trimethylpentane	113	13.1	
n-Decane	106	6.3	
n-Butylcyclohexane	100	0.5	
2,5-Dibromotoluene	79	20.6	
Methyl-t-butylether #2	88	11.7	
Benzene #2	98	1.5	
Toluene #2	100	0.5	
Ethylbenzene #2	96	3.7	
m,p-Xylene #2	199	0.7	
o-Xylene #2	95	5.5	
1,2,4-Trimethylbenzene #2	93	7.3	
Naphthalene #2	76	23.9	
2,5-Dibromotoluene #2	87	12.6	

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

J92210

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K29019SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	9.9	
2-Methylpentane	91	9.1	
2,2,4-Trimethylpentane	106	5.9	
n-Decane	94	5.9	
n-Butylcyclohexane	89	10.6	
2,5-Dibromotoluene	83	16.7	
Methyl-t-butylether #2	90	9.9	
Benzene #2	97	3.2	
Toluene #2	97	2.7	
Ethylbenzene #2	95	5.0	
m,p-Xylene #2	194	2.9	
o-Xylene #2	93	7.3	
1,2,4-Trimethylbenzene #2	92	8.2	
Naphthalene #2	78	21.8	
2,5-Dibromotoluene #2	90	10.1	

gs 9/22/10

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 392210

VPH FORM 7

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67835

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K28996SC.D	9/21/2010 7:16	11.353		11.353	
Upper Limit			11.383		11.383	
Lower limit			11.323		11.323	
SAMPLE ID						
LSV092110K	K28997Q.D	9/21/2010 7:54	11.353		11.353	
LSV092110K2	K28998Q.D	9/21/2010 8:19	11.353		11.353	
MBV092110K2	K29001B.D	9/21/2010 9:59	11.354		11.353	
67835-6	K29018.D	9/21/2010 17:23	11.354		11.354	
VPH 100 UG/L	K29019SC.D	9/21/2010 17:47	11.354		11.353	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B092010EASE2 RR2
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				63
Aromatic Surrogate % Recovery (O-Terphenyl)				76
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				83
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				74
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: C-B82-GTM4-SW-1

SAMPLE DATA

Lab Sample ID: 67835-1
Matrix: Solid
Percent Solid: 86
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/23/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		30200	µg/kg	U
Diesel PAH Analytes	Naphthalene	302	µg/kg	U
	2-Methylnaphthalene	302	µg/kg	U
	Phenanthrene	302	µg/kg	U
	Acenaphthene	302	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	302	µg/kg	U
	Fluorene	302	µg/kg	U
	Anthracene	302	µg/kg	U
	Fluoranthene	302	µg/kg	U
	Pyrene	302	µg/kg	U
	Benzo[a]anthracene	302	µg/kg	U
	Chrysene	302	µg/kg	U
	Benzo[b]fluoranthene	302	µg/kg	U
	Benzo[k]fluoranthene	302	µg/kg	U
	Benzo[a]pyrene	302	µg/kg	U
	Indeno[1,2,3-cd]pyrene	302	µg/kg	U
	Dibenzo[a,h]anthracene	302	µg/kg	U
	Benzo[g,h,i]perylene	302	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		30200	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		30200	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		30200	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				66
Aromatic Surrogate % Recovery (O-Terphenyl)				75
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				80
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				76
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: C-B82-GTM4-SW-2

SAMPLE DATA

Lab Sample ID: 67835-2
Matrix: Solid
Percent Solid: 83
Dilution Factor: 1.2
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/23/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		31800	µg/kg	U
Diesel PAH Analytes	Naphthalene	318	µg/kg	U
	2-Methylnaphthalene	318	µg/kg	U
	Phenanthrene	318	µg/kg	U
	Acenaphthene	318	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	318	µg/kg	U
	Fluorene	318	µg/kg	U
	Anthracene	318	µg/kg	U
	Fluoranthene	318	µg/kg	U
	Pyrene	318	µg/kg	U
	Benzo[a]anthracene	318	µg/kg	U
	Chrysene	318	µg/kg	U
	Benzo[b]fluoranthene	318	µg/kg	U
	Benzo[k]fluoranthene	318	µg/kg	U
	Benzo[a]pyrene	318	µg/kg	U
	Indeno[1,2,3-cd]pyrene	318	µg/kg	U
	Dibenzo[a,h]anthracene	318	µg/kg	U
	Benzo[g,h,i]perylene	318	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		31800	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		31800	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		31800	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				73
Aromatic Surrogate % Recovery (O-Terphenyl)				75
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				83
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				72
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mark Bull

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: C-B82-GTM4-SW-3

SAMPLE DATA

Lab Sample ID: 67835-3
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/23/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28200	µg/kg	U
Diesel PAH Analytes	Naphthalene	282	µg/kg	U
	2-Methylnaphthalene	282	µg/kg	U
	Phenanthrene	282	µg/kg	U
	Acenaphthene	282	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	282	µg/kg	U
	Fluorene	282	µg/kg	U
	Anthracene	282	µg/kg	U
	Fluoranthene	282	µg/kg	U
	Pyrene	282	µg/kg	U
	Benzo[a]anthracene	282	µg/kg	U
	Chrysene	282	µg/kg	U
	Benzo[b]fluoranthene	282	µg/kg	U
	Benzo[k]fluoranthene	282	µg/kg	U
	Benzo[a]pyrene	282	µg/kg	U
	Indeno[1,2,3-cd]pyrene	282	µg/kg	U
	Dibenzo[a,h]anthracene	282	µg/kg	U
	Benzo[g,h,i]perylene	282	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		28200	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		28200	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		28200	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				77
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				89
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				79
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: _____

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: C-B82-GTM4-SW-4

SAMPLE DATA

Lab Sample ID: 67835-4
Matrix: Solid
Percent Solid: 87
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/23/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29400	µg/kg	U
Diesel PAH Analytes	Naphthalene	294	µg/kg	U
	2-Methylnaphthalene	294	µg/kg	U
	Phenanthrene	294	µg/kg	U
	Acenaphthene	294	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	294	µg/kg	U
	Fluorene	294	µg/kg	U
	Anthracene	294	µg/kg	U
	Fluoranthene	294	µg/kg	U
	Pyrene	294	µg/kg	U
	Benzo[a]anthracene	294	µg/kg	U
	Chrysene	294	µg/kg	U
	Benzo[b]fluoranthene	294	µg/kg	U
	Benzo[k]fluoranthene	294	µg/kg	U
	Benzo[a]pyrene	294	µg/kg	U
	Indeno[1,2,3-cd]pyrene	294	µg/kg	U
	Dibenzo[a,h]anthracene	294	µg/kg	U
	Benzo[g,h,i]perylene	294	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		29400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				62
Aromatic Surrogate % Recovery (O-Terphenyl)				74
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				92
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				79
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mrhlull

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: C-B82-GTM4-B-5

SAMPLE DATA

Lab Sample ID: 67835-5
Matrix: Solid
Percent Solid: 78
Dilution Factor: 1.2
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/23/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		33600	µg/kg	U
Diesel PAH Analytes	Naphthalene	336	µg/kg	U
	2-Methylnaphthalene	336	µg/kg	U
	Phenanthrene	336	µg/kg	U
	Acenaphthene	336	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	336	µg/kg	U
	Fluorene	336	µg/kg	U
	Anthracene	336	µg/kg	U
	Fluoranthene	336	µg/kg	U
	Pyrene	336	µg/kg	U
	Benzo[a]anthracene	336	µg/kg	U
	Chrysene	336	µg/kg	U
	Benzo[b]fluoranthene	336	µg/kg	U
	Benzo[k]fluoranthene	336	µg/kg	U
	Benzo[a]pyrene	336	µg/kg	U
	Indeno[1,2,3-cd]pyrene	336	µg/kg	U
	Dibenzo[a,h]anthracene	336	µg/kg	U
	Benzo[g,h,i]perylene	336	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		33600	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		33600	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		33600	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				66
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				72
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				68
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mulhall

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: C-B82-GTM3-SW-2

SAMPLE DATA

Lab Sample ID: 67835-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/23/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27900	µg/kg	U
Diesel PAH Analytes	Naphthalene	279	µg/kg	U
	2-Methylnaphthalene	279	µg/kg	U
	Phenanthrene	279	µg/kg	U
	Acenaphthene	279	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	279	µg/kg	U
	Fluorene	279	µg/kg	U
	Anthracene	279	µg/kg	U
	Fluoranthene	279	µg/kg	U
	Pyrene	279	µg/kg	U
	Benzo[a]anthracene	279	µg/kg	U
	Chrysene	279	µg/kg	U
	Benzo[b]fluoranthene	279	µg/kg	U
	Benzo[k]fluoranthene	279	µg/kg	U
	Benzo[a]pyrene	279	µg/kg	U
	Indeno[1,2,3-cd]pyrene	279	µg/kg	U
	Dibenzo[a,h]anthracene	279	µg/kg	U
	Benzo[g,h,i]perylene	279	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27900	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27900	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27900	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				73
Aromatic Surrogate % Recovery (O-Terphenyl)				73
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				81
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				74
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835

SAMPLE ID	SMC 1 (%)	#
B092010EASE2	63	
L092010EASE2	64	
LD092010EASE2	66	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834

SAMPLE ID	SMC 1 (%)	#
B092010EASE2,RR2	63	
67835-1	66	
67835-2	73	
67835-3	64	
67835-4	62	
67835-5	64	
67835-6	73	
67835-6,MS	69	
67835-6,MSD	69	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67835

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B092010EASE2	83		74		76	
L092010EASE2	81		73		79	
LD092010EASE2	84		83		81	
67835-1	80		76		75	
67835-2	83		72		75	
67835-3	89		79		77	
67835-4	92		79		74	
67835-5	72		68		66	
67835-6	81		74		73	
67835-6,MS	86		83		71	
67835-6,MSD	82		75		73	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835
Non-spiked sample: B092010EASE2
Spike: L092010EASE2
Spike duplicate: LD092010EASE2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3333	3333	30	140	25	0	1882	56		1877	56		0	
C-10	3333	3333	40	140	25	0	2268	68		2223	67		2	
C-12	3333	3333	40	140	25	0	2447	73		2300	69		6	
C-14	3333	3333	40	140	25	0	2453	74		2459	74		0	
C-16	3333	3333	40	140	25	0	2518	76		2552	77		1	
C-18	3333	3333	40	140	25	0	2599	78		2571	77		1	
C-19	3333	3333	40	140	25	0	2620	79		2669	80		2	
C-20	3333	3333	40	140	25	0	2706	81		2625	79		3	
C-22	3333	3333	40	140	25	0	2606	78		2544	76		2	
C-24	3333	3333	40	140	25	0	2523	76		2441	73		3	
C-26	3333	3333	40	140	25	0	2289	69		2336	70		2	
C-28	3333	3333	40	140	25	0	2158	65		2163	65		0	
C-30	3333	3333	40	140	25	0	2171	65		2093	63		4	
C-36	3333	3333	40	140	25	0	2154	65		2029	61		6	
C9-C18 Aliphatics	20000	20000	40	140	25	0	14167	71		13982	70		1	
C19-C36 Aliphatics	26667	26667	40	140	25	0	19227	72		18899	71		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67835
Non-spiked sample: B092010EASE2
Spike: L092010EASE2
Spike duplicate: LD092010EASE2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3333	3333	40	140	30	0	2382	71		2451	74		3	
2-Methylnaphthalene	3333	3333	40	140	30	0	2561	77		2668	80		4	
Acenaphthylene	3333	3333	40	140	30	0	2672	80		2769	83		4	
Acenaphthene	3333	3333	40	140	30	0	2711	81		2756	83		2	
Fluorene	3333	3333	40	140	30	0	2900	87		2950	89		2	
Phenanthrene	3333	3333	40	140	30	0	2974	89		3042	91		2	
Anthracene	3333	3333	40	140	30	0	3109	93		3129	94		1	
Fluoranthene	3333	3333	40	140	30	0	3165	95		3251	98		3	
Pyrene	3333	3333	40	140	30	0	3073	92		3159	95		3	
Benzo[a]anthracene	3333	3333	40	140	30	0	2945	88		3002	90		2	
Chrysene	3333	3333	40	140	30	0	2982	89		3024	91		1	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	2912	87		2962	89		2	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	3033	91		3111	93		3	
Benzo[a] pyrene	3333	3333	40	140	30	0	3002	90		3045	91		1	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	2794	84		2927	88		5	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	2878	86		2956	89		3	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	2884	87		2966	89		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67835
Aliphatic LCS: L092010EASE2
Aromatic LCS: L092010EASE2

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	17.9	0.0	
2-Methylnaphthalene	0	5	0.00	19.2	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67835
Aliphatic LCS: LD092010EASE2
Aromatic LCS: LD092010EASE2

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	18.4	0.0	
2-Methylnaphthalene	0	5	0.00	20.0	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835
Non-spiked sample: 67835-6
Spike: 67835-6,MS
Spike duplicate: 67835-6,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3461	3512	30	140	50	0	2088	60		1976	56		6	
C-10	3461	3512	40	140	50	0	2460	71		2281	65		8	
C-12	3461	3512	40	140	50	0	2583	75		2560	73		1	
C-14	3461	3512	40	140	50	0	2699	78		2596	74		4	
C-16	3461	3512	40	140	50	0	2913	84		2689	77		8	
C-18	3461	3512	40	140	50	0	3013	87		2755	78		9	
C-19	3461	3512	40	140	50	0	2892	84		2819	80		3	
C-20	3461	3512	40	140	50	0	3006	87		2864	82		5	
C-22	3461	3512	40	140	50	0	2953	85		2706	77		9	
C-24	3461	3512	40	140	50	0	2924	85		2650	75		10	
C-26	3461	3512	40	140	50	0	2809	81		2822	80		0	
C-28	3461	3512	40	140	50	0	2601	75		2771	79		6	
C-30	3461	3512	40	140	50	0	2481	72		2733	78		10	
C-36	3461	3512	40	140	50	0	2537	73		2541	72		0	

C9-C18 Aliphatics	20764	21072	40	140	50	0	15757	76		14857	71		6	
C19-C36 Aliphatics	27685	28096	40	140	50	0	22204	80		21907	78		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67835
Non-spiked sample: 67835-6
Spike: 67835-6,MS
Spike duplicate: 67835-6,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3461	3512	40	140	50	0	2512	73		2275	65		10	
2-Methylnaphthalene	3461	3512	40	140	50	0	2719	79		2498	71		8	
Acenaphthylene	3461	3512	40	140	50	0	2740	79		2599	74		5	
Acenaphthene	3461	3512	40	140	50	0	2719	79		2649	75		3	
Fluorene	3461	3512	40	140	50	0	2899	84		2871	82		1	
Phenanthrene	3461	3512	40	140	50	0	2949	85		2957	84		0	
Anthracene	3461	3512	40	140	50	0	3048	88		3079	88		1	
Fluoranthene	3461	3512	40	140	50	0	3162	91		3151	90		0	
Pyrene	3461	3512	40	140	50	0	3076	89		3093	88		1	
Benzo[a]anthracene	3461	3512	40	140	50	0	2864	83		2857	81		0	
Chrysene	3461	3512	40	140	50	0	2910	84		2932	83		1	
Benzo[b] fluoranthene	3461	3512	40	140	50	0	2853	82		2892	82		1	
Benzo[k] fluoranthene	3461	3512	40	140	50	0	2883	83		2921	83		1	
Benzo[a] pyrene	3461	3512	40	140	50	0	2855	82		2908	83		2	
Indeno [1,2,3-cd] pyrene	3461	3512	40	140	50	0	2679	77		2773	79		3	
Dibenz [a,h] anthracene	3461	3512	40	140	50	0	2768	80		2783	79		1	
Benzo(g,h,i) perylene	3461	3512	40	140	50	0	2787	81		2851	81		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

Instrument D

analytics environmental laboratory LLC

Seq. ID: 080410-D

IS only#: CPH S9970 ~~S9970~~ AW 8/4/10

EXP: 1/30/11

Tune File: ABU.u

Date: 8/4/10

Loading Check: AW

Voltage: 1965

Analyst: AW/NP

Unloading Check: NP

filament 2

Vial	Meth File	Sample	DF	Data File #	Comments
1	tunemix	S9836 tunemix	50ng	D71435T-45T	adjust mtune
1	tunemix	S9836 tunemix	50ng	46T	✓
2	ALG80410	S9700 Ali 5		47 51	✓
3		S9701 Ali 10		48	✓
4		S9702 Ali 20		49	✓
5		S9936 Ali 40		50	✓
6		S9704 Ali 50		51	✓
7		S9705 Ali 100		52	✓
8		S9715 Ali 20 ICV		53	✓
9	ARM80410	S9706 ARO 2		54 51	✓
10		S9707 ARO 5		55	✓
11		S9708 ARO 10		56	✓
12		S9937 ARO 20		57	✓
13		S9710 ARO 50		58	✓
14		S9711 ARO 100		59	✓
15		S9716 ARO 20 ICV		60	✓ ARO8050 ~~Std not used~~ OK
~~15~~		~~S9716 ARO 20 ICV~~		~~66~~	AW 8/6/10
1	tunemix	S9836 tunemix			Not needed
5	ALG80410	S9936 Ali 40			
12	ARM80410	S9937 ARO 20			
16		Hexane w/IS			
15		S9716 ARO 20 ICV			
15		S9716 ARO 20 ICV			

AW 8/6/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

analytics environmental laboratory LLC

Instrument D

EPH S10081 x 3/13/11

Seq. ID: 092110-D

IS only#:

EXP:

Tune File: ABN.u

Date: 9/21/10

Loading Check: ALR

Voltage: 1965

Analyst: ALR

Unloading Check:

W-D-092110-1-ALR

Vial	Meth File	Sample	DF	Data File #	Comments
100		MeCl2		D71764	
1	Tunemix	S9836 tunemix 50ng		65T	✓ 2:09
2	ALG80410	S10042 ALI 40		66SC	✓
4		Hexane w IS		67	✓
15		~~B0962~~ B092010EASE, RR		68B	✓
30		B092010EASE2		69B	✓
31		L092010EASE 2		70Q	✓
32		L0092010EASE2		71Q	✓
33		67833-11		72	✓
34		-12		73	✓
35		-13		74	✓
36		-14		75	✓
37		-15		76	✓
38		-16		77	✓
39		67807 -1		78	✓
40		-2		79	RR 5X
41 ~~42~~ *		~~67807 -2~~ -3	5X	~~80~~ ✓	↓SS ~~RR 5X~~
2		S10042 ALI 40		81SC	✓
2		S10042 ALI 40		82SC	✓
		S9836 tunemix 50ng		83T	✓
2		S10042 ALI 40		84SC	✓
4		Hexane w IS		85	✓
31		B092010EASE2, RR		86B	✓
41		67807-3, RR		86C	confirms ↓SS
42		67834-1		87	✓
~~43~~		-2		88	✓
~~44~~		-3		89	✓
~~45~~		-4		90	✓
~~47~~ 46		-5		91	RR10X C9-C18
~~48~~ 47		-6		92	RR10X C4-C8
~~49~~ 48		-15		93	✓
~~50~~ 49		-15 ms		94	✓
~~51~~ 50		-15 msd		95	✓
52 51		-16		96	✓
~~53~~ 52		-17		97	✓
~~54~~ 53		-18		98	✓

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: 100531 3

Methylene Chloride Lot:

31 — see above RR2X recalculated

Instrument D

analytics environmental laboratory LLC

Seq. ID: Cont. 092410-D

IS only#: EPH S10081 EXP: 3/13/11

Tune File: ABU.u

Date: 9/24/10 Loading Check: AUK

Voltage: 1965

Analyst: AUR/MG Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
39	AL680410	67807-1, RR		D71798	Cont RMS
2		S10042 AL40		D71799SC	✓
2		↓		D71800SC	✓
1	tunemix	S9836tunemix50ng		01T	✓
2	AL680410	S10042 AL40		02SC	✓
4		Hexane w/IS		03	✓
30		B092010EAFE2,, RR2		04B	✓
54		67835-1		05	✓
55		-2		06	✓
56		-3		07	✓
57		-4		08	✓
58		-5		09	✓
59		-6		10	✓
60		-6, MS		11SP	✓
61		-6, MSD		12SP	✓
62		67834-5	10	13	✓
63		-6	10	14	✓
2		S10042 AL40		*15SC	✓
2		S10042 AL40		16SC	✓
64		67807-2	2	Rerun before 15 15 *	✓ 1:50ml+250ml Hexane

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: 1005313

Methylene Chloride Lot:

Instrument J

analytics environmental laboratory LLC

092110-J EPH IS

IS only#: S10122 EXP: 3·21·2011

Tune File: ABN.U Date: 9·21·10 Loading Check: AHR

Voltage: 1953 Analyst: AZR/MJ Unloading Check: MJ

Vial	Meth File	Sample	DF	Data File #	Comments
100		MeCl2		J35914	
1	TUNEMIXEPH	S9836TUNE50		915T	✓
2		S10041 ARO 20		916SC	Relet
2		↓		917SC	↓
100	ARMSIM92110.M	MeCl2		918	
2	ARM092110.M	S9714 ARO 0.1		919SI	✓
3	ARG092110.M	S9713 0.2		920SI	✓
4		S9712 1.0		921SI	✓
5		S9706 2		922SI	✓
6		S9707 5		923SI	✓
7		S9708 10		924SI	✓
8		S10041 20		925SI	✓
9		S9710 50		926SI	✓
10		S9711 100		927SI	✓
11		S9716 ARO 20 ICV		928	✓
12		S9717 ARO 2 ICV		929	✓
1	TUNEMIXEPH	S9836 TUNE 50		930T	✓
8	ARM092110.M	S10041 ARO 20		931SC	✓
13	ARG092110.M	Hexane W IS		932	✓
14		B092010EBSE	ARO	33B	✓
15		L092010EBSE		34Q	✓
16		LD092010EASE		35Q	✓
17		L092010EBSE	ARI	36Q	✓
18		LD092010EASE	ARI	37Q	✓
19		67833-1 ARO		38	✓
20		-2		39	✓
21		-3		40	✓
22		-4		41	✓
23		-5		42	✓
24		-6		43	✓
25		-6MS		44SP	✓
26		-6MSD		45SP	✓
27		67833-7		46	✓
28		-8		47	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uL sample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 3 11/25/09

Instrument J

Analytics environmental laboratory LLC

092110-J cont. EPH FS

IS only#: S10122 EXP: 3-21-2011

Tune File: ABN.U Date: 92110 cnt Loading Check:

Voltage: 1953 Analyst: ALR/mg Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
29	ARM092110.M	67833-9 ARO		J35948	✓
30	ARG092110.M	-10		49	✓
31		-11		50	✓
32		-12		51	✓
33		-13		52	✓
34		-14		53	✓
35		-15		54	✓
36		-16		55	✓
37		67807 -1		56	↓SUR RR Rex?
38		-2		57	RR2X
39		-3		58	✓
8		S10041 ARO 20		59SC	✓
8				60SC	✓
1	tunemix	59836 TUNESD		61T	✓
8	ARM092110	S10041 ARO 20		62SC	✓
13	ARG092110	Hexane WIS		63	✓
40		B092010BASE2	ARO	64B	✓
41		L092010BASE2		65Q	✓
42		LD092010BASE2		66Q	✓
43		L092010BASE2	ALI	67Q	✓
44		LD092010BASE2		68Q	✓
45		67834-1	ARO	69	✓
46		-2		70	✓
47		-3		71	✓
48		-4		72	✓
49		-5		73	✓
50		-6		74	✓
51		-15		75	✓
52		-15ms		76SP	✓
53		-15msd		77SP	✓
54		-16		78	✓
55		-17		79	✓
56		-18		80	✓
57		67835-1		81	✓

1621

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot :

Methylene Chloride Lot:

Cont. Pg - 58

Instrument J

Analytics environmental laboratory LLC

Cont. 092110-J

EPH

IS only#: 510122 EXP: 3/21/11

Tune File: ARU.u Date: 9/21/10 Loading Check: AUR/MG

Voltage: 1953 Analyst: AUR/MG Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
56	ARM092110	67835-2 ARO		J35982	✓
59	ARG092110	-3		83	✓
60		-4		84	✓
61		-5		85	✓
62		-6		86	✓
63		-6, ms		87	✓
64		-6, msD		88 *	✓
8		510041 ARO	20	89 SC	✓
8		510041 ARO	20	90 SC	✓
65		67807-2	2	Rerun after 86 89 *	✓
87		-1 RR		91	out of window but are continuing only

MJ 9/23/10

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uL sample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: J20501

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9700 ALI 5	D71447SI.D	8/5/10 2:18
S9701 ALI 10	D71448SI.D	8/5/10 2:48
S9702 ALI 20	D71449SI.D	8/5/10 3:19
S9936 ALI 40	D71450SI.D	8/5/10 3:49
S9704 ALI 50	D71451SI.D	8/5/10 4:20
S9705 ALI 100	D71452SI.D	8/5/10 4:50
S9715 ALI 20 ICV	D71453.D	8/5/10 5:21

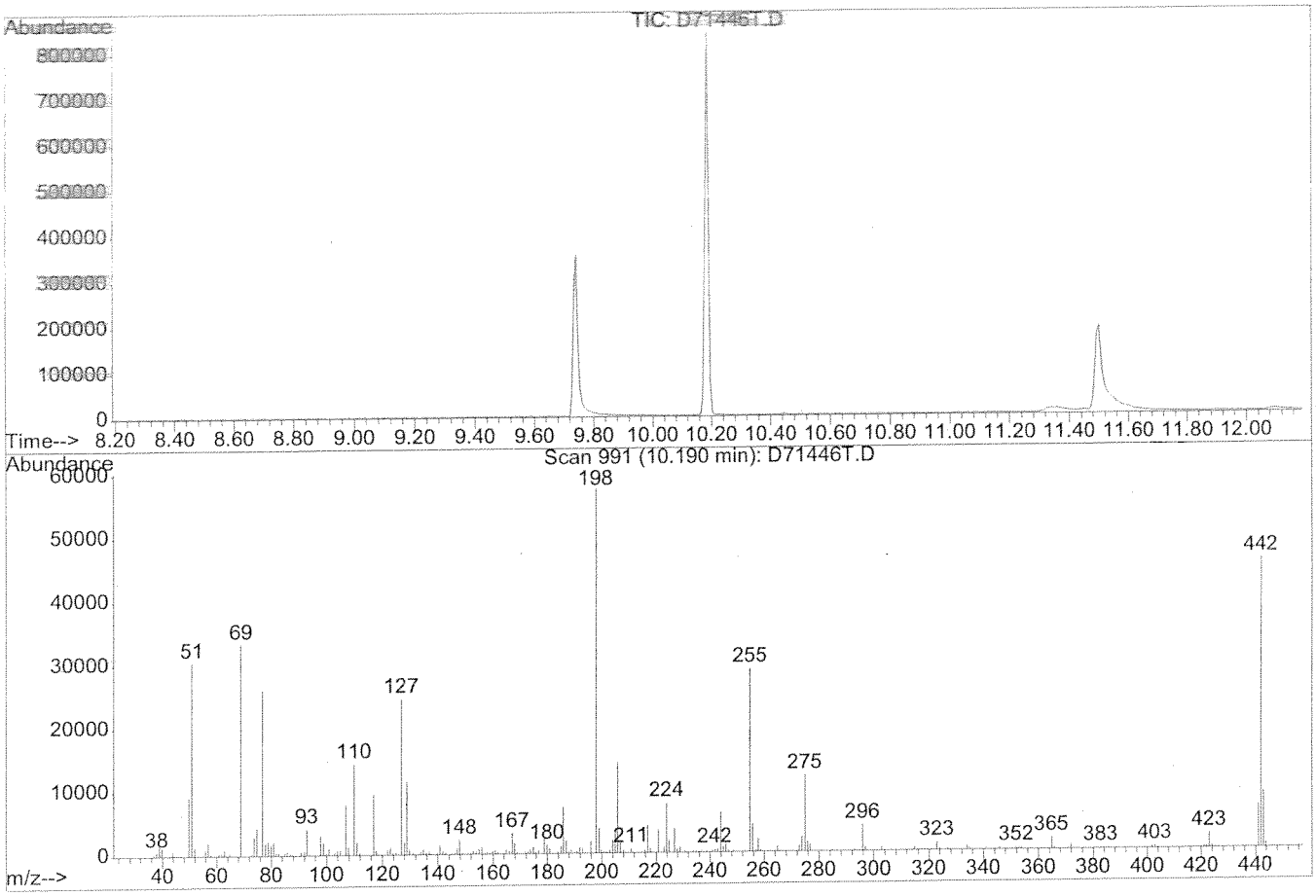
Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00



Spectrum Information: Scan 991

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.9	30392	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.0	33320	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.7	24560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	57496	PASS
199	198	5	9	6.9	3944	PASS
275	198	10	30	20.9	12023	PASS
365	198	1	100	3.2	1842	PASS
441	443	0.01	100	76.4	6759	PASS
442	198	40	100	79.4	45640	PASS
443	442	17	23	19.4	8852	PASS

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:04 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71446T.D**
Date Acquired **8/5/2010 1:47**

NJ 080510

Name	Target Response
PENTACHLOROPHENOL	39778.00
BENZIDINE	151505.00
DDE	53.00
DDD	1884
DDT	149663

(0% - 20%)

%DDT BREAKDOWN = 1.28% **OK** ✓

8/5/10

8/5/10 2:16 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
; Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

AN080510

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.74	266	39778	15.78	UG/L	95
2) DFTPP	10.18	198	75090	24.58	ug/ml#	60
3) BENZIDINE	11.50	184	151505	18.88	UG/L #	100
4) DDE	11.79	246	53	0.53	UG/L #	24
5) DDD	12.36	235	1884	18.84	UG/L #	19
6) DDT	12.93	235	149663	33.12	UG/L #	86

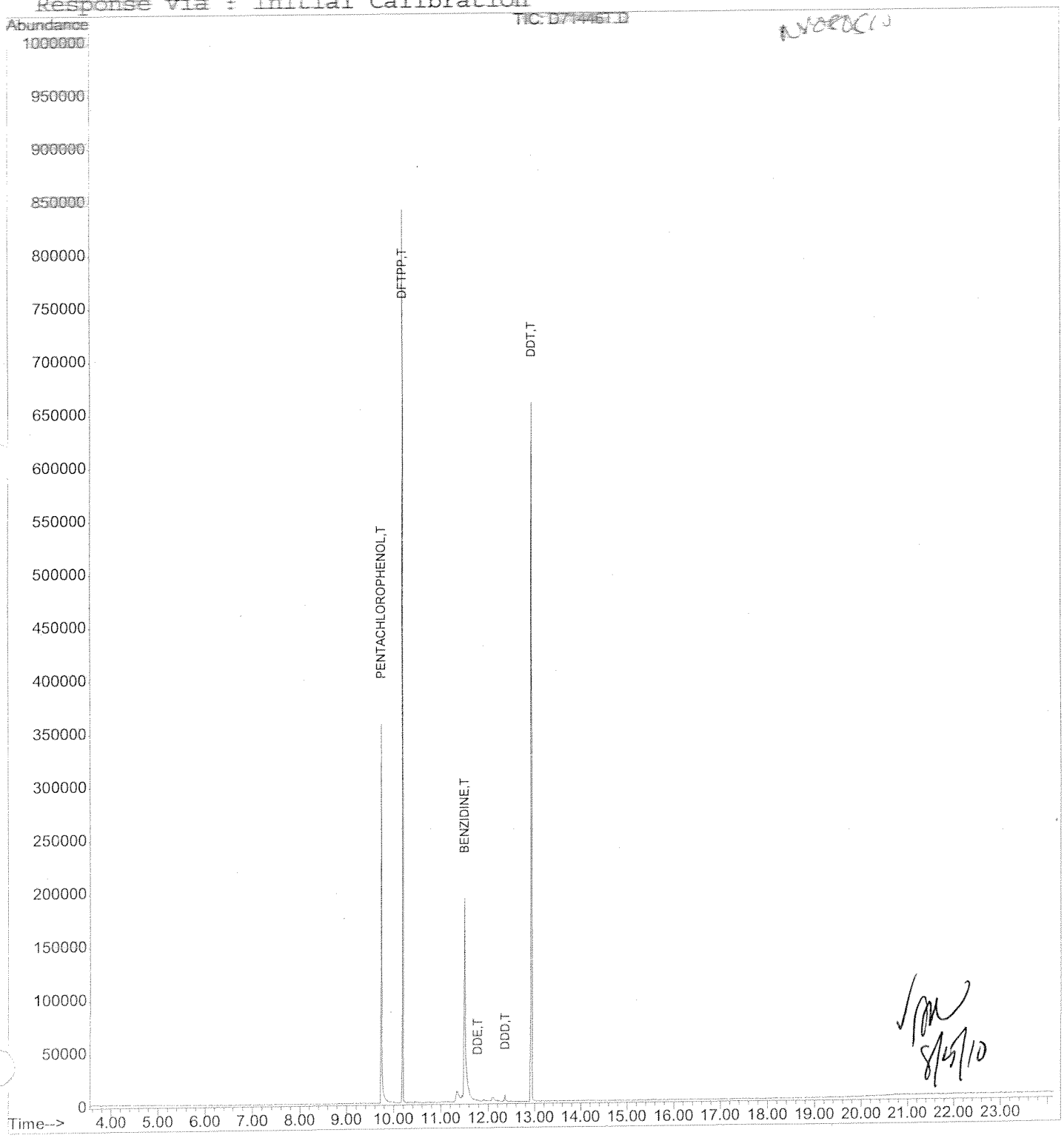
✓ AR 8/5/10

(#) = qualifier out of range (m) = manual integration
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration

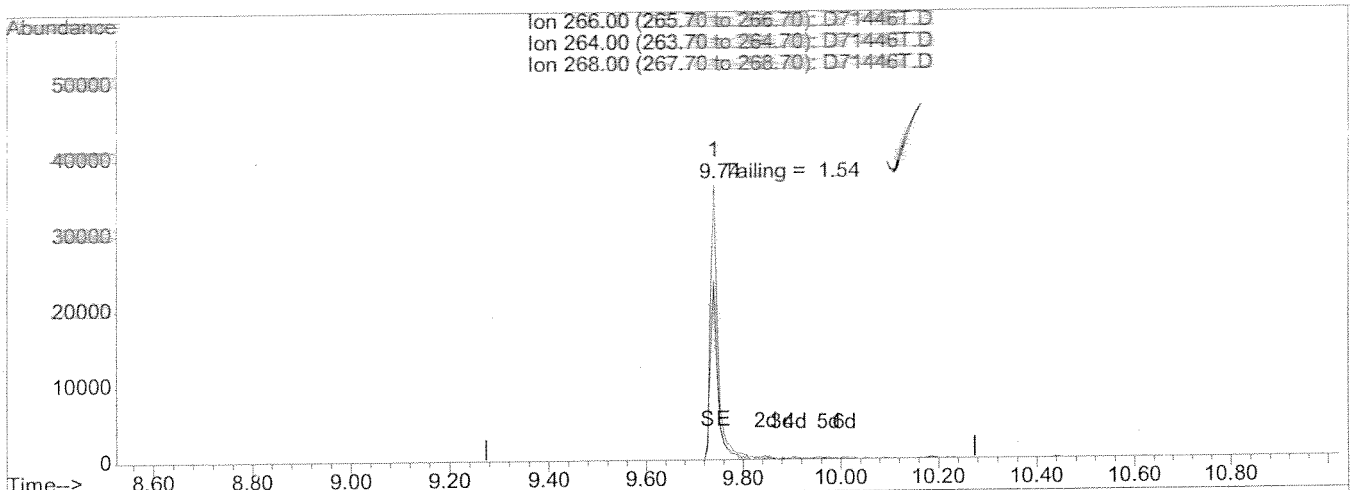


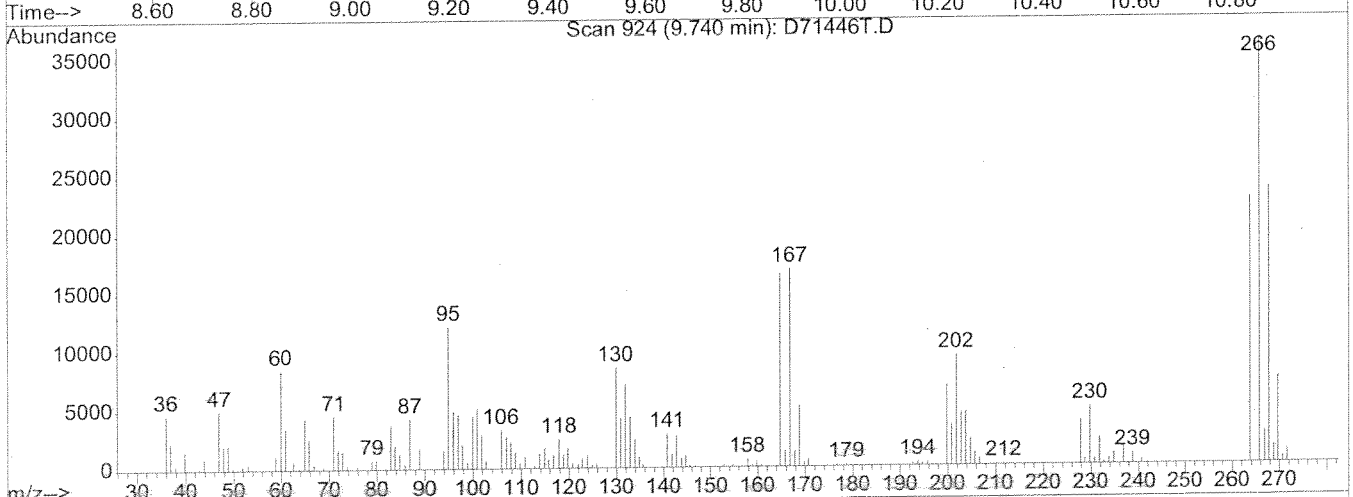
8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration





(1) PENTACHLOROPHENOL (T)

9.74min 15.78UG/L

response 39778

Ion	Exp%	Act%
266.00	100	100
264.00	59.50	61.59
268.00	58.20	63.08
0.00	0.00	0.00

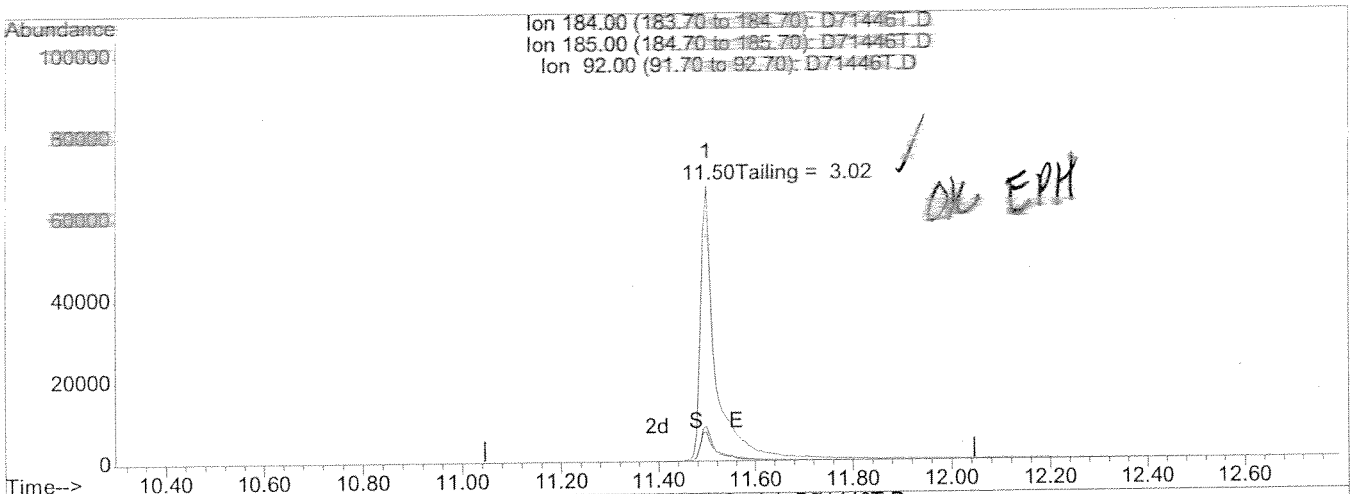
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:40 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

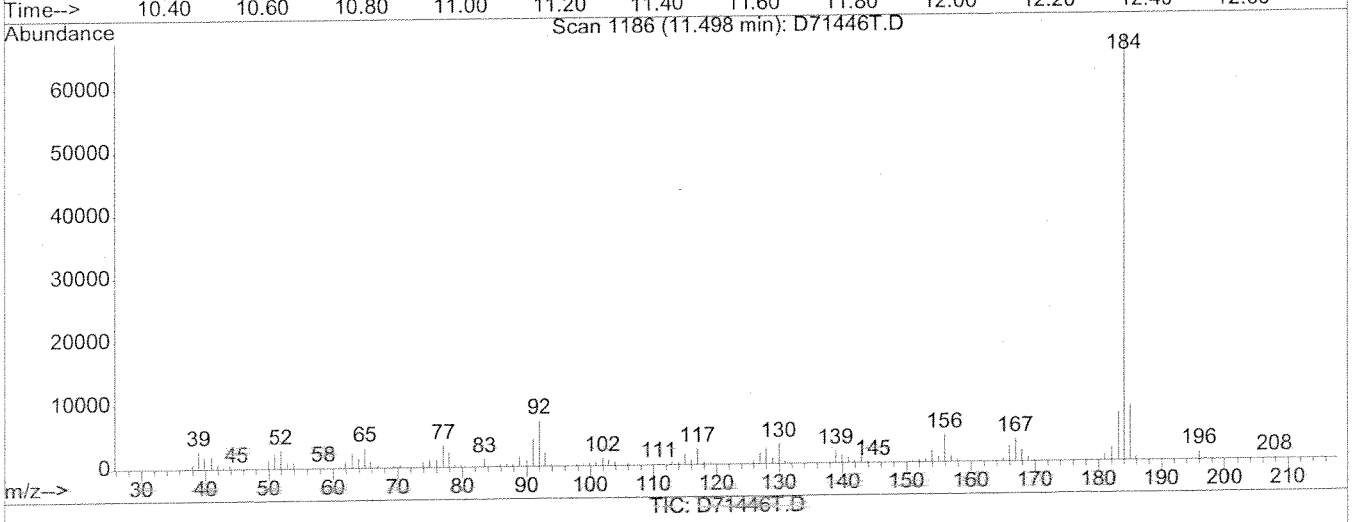
Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

Nr 080510



OK EPH



TIC: D71446T.D

(3) BENZIDINE (T)

11.50min 18.88UG/L

response 151505

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.18#
92.00	0.00	10.90#
0.00	0.00	0.00

OK 8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:19:09 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67835
DFTPP File ID: J35915T.D
DFTPP Injection Date: 09/21/10
DFTPP Injection Time: 22:24

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9706 ARO 2	J35922SI.D	9/22/10 1:27
S9707 ARO 5	J35923SI.D	9/22/10 1:50
S9708 ARO 10	J35924SI.D	9/22/10 2:13
S10041 ARO 20	J35925SI.D	9/22/10 2:36
S9710 ARO 50	J35926SI.D	9/22/10 2:59
S9711 ARO 100	J35927SI.D	9/22/10 3:22
S9716 ARO 20 ICV	J35928.D	9/22/10 3:45

Refer to the DFTPP report J35915T.D for ion ratio evaluation.

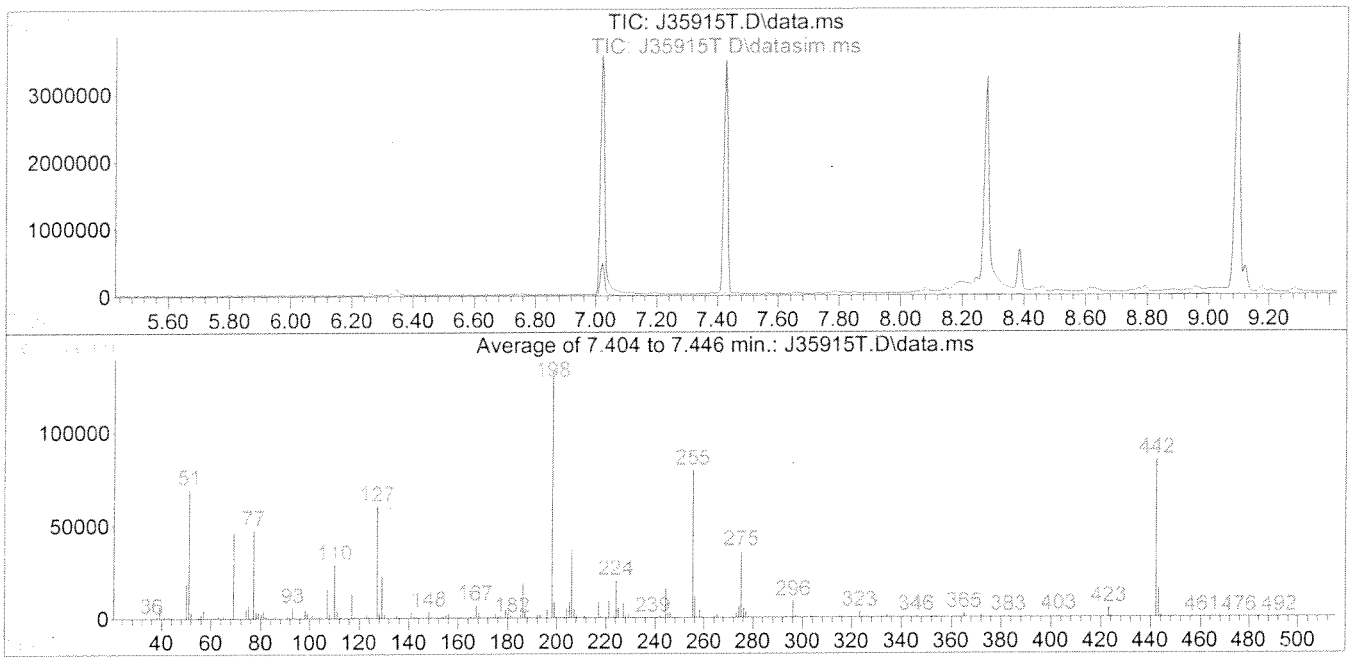
EPH FORM 5

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Wed Sep 22 00:54:43 2010

M 9/22/10



Spectrum Information: Average of 7.404 to 7.446 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.5	69708	PASS
68	69	0.00	2	0.0	15	PASS
69	198	0.00	100	34.8	46182	PASS
70	69	0.00	2	0.6	261	PASS
127	198	40	60	45.4	60362	PASS
197	198	0.00	1	0.0	15	PASS
198	198	100	100	100.0	132842	PASS
199	198	5	9	6.8	8983	PASS
275	198	10	30	27.0	35860	PASS
365	198	1	100	1.6	2103	PASS
441	443	0.01	100	0.7	109	PASS
442	198	40	100	63.8	84794	PASS
443	442	17	23	18.0	15226	PASS

342210

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35915T.D**
Date Acquired **9/21/2010 22:24**

MV
9/22/10

Name	Target Response
Pentachlorophenol	492228.00
Benzidine	1576401.00
DDE	2055.00
DDD	32145
DDT	980153

(0% - 20%)

%DDT BREAKDOWN = 3.37% **OK** ✓

592210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

MV 9/22/10

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	7.020	266	492228	33.66 ug/ml	100
2) DFTPP	7.427	198	370749	30.69 ug/ml#	100
3) Benzidine	8.280	184	1576401	25.47 ug/ml#	100
4) DDE	8.444	246	2055	1.40 ug/ml#	100
5) DDD	8.772	235	32145	2.00 ug/ml#	100
6) DDT	9.097	235	980153	31.94 ug/ml#	100

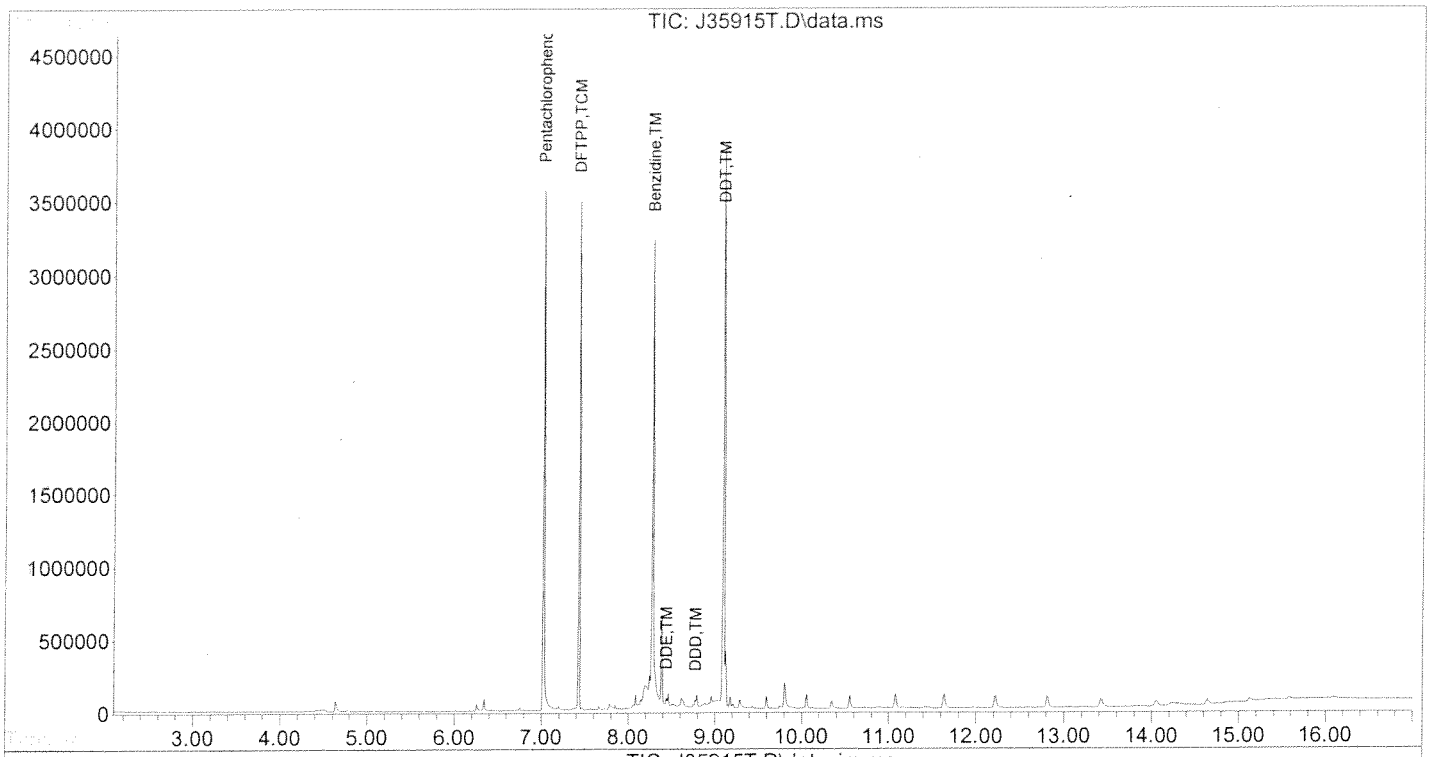
(#) = qualifier out of range (m) = manual integration (+) = signals summed

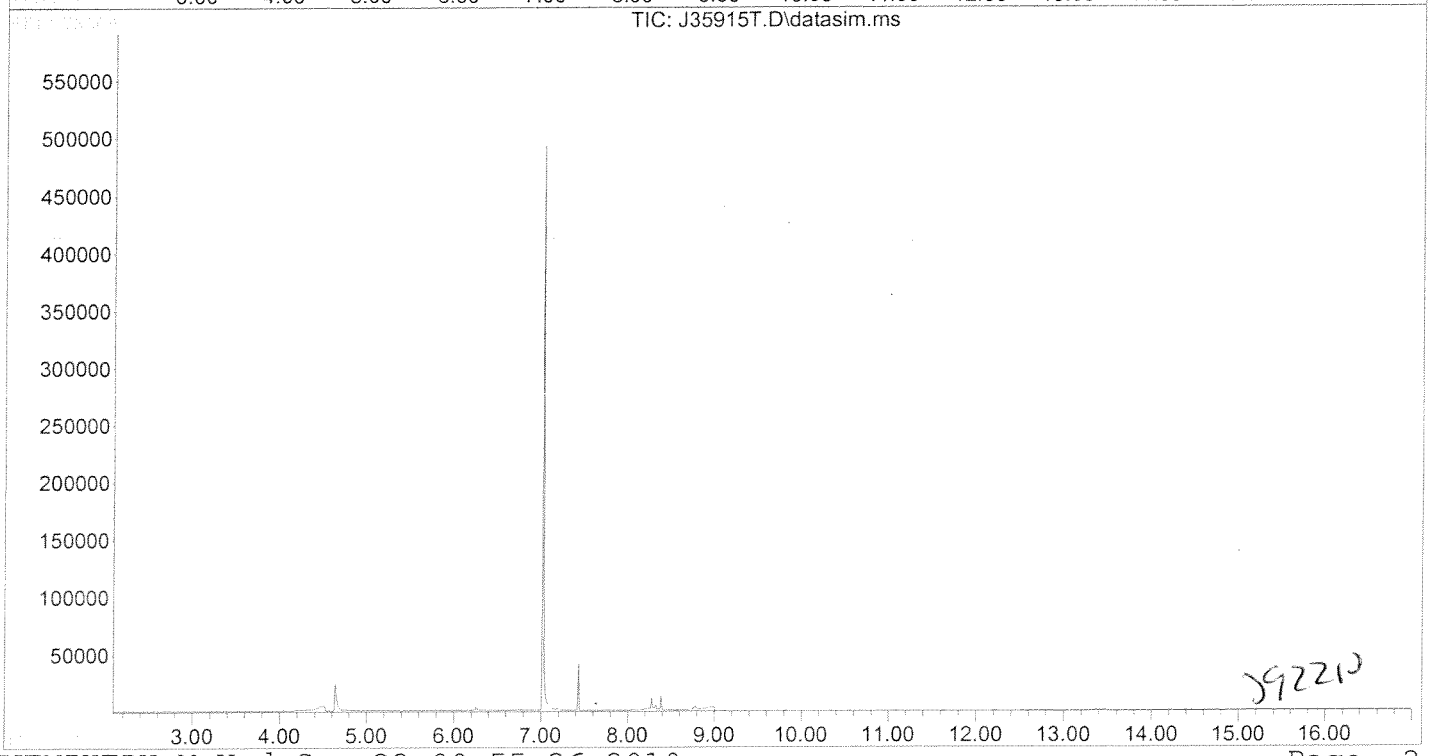
J92210

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

MK 9/22/10





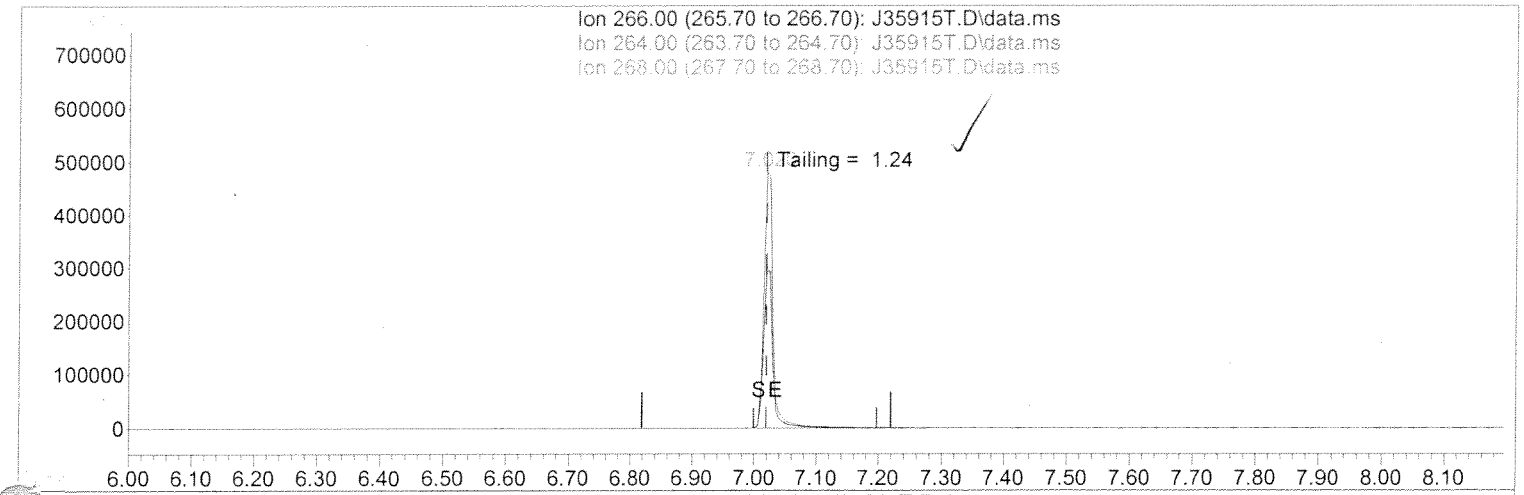
J92210

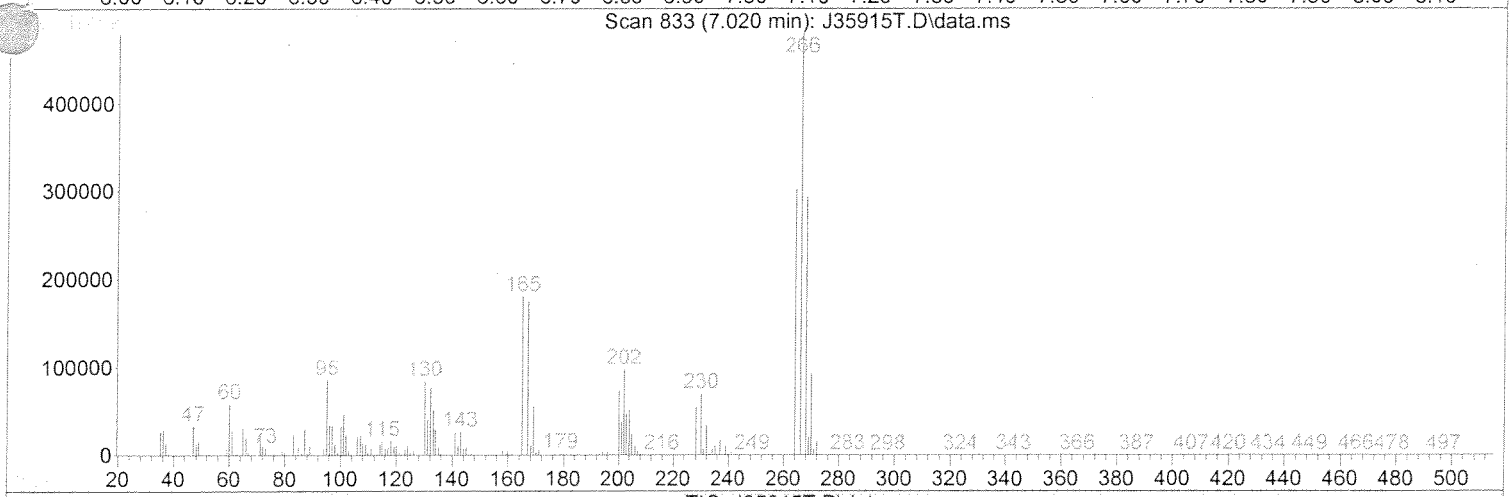
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

9/22/10





TIC: J35915T.D\data.ms

(1) Pentachlorophenol (TMC)

7.020min (0.000) 33.66ug/ml

response 492228

Ion	Exp%	Act%
266.00	100	100
264.00	63.20	63.10
268.00	61.50	61.69
0.00	0.00	0.00

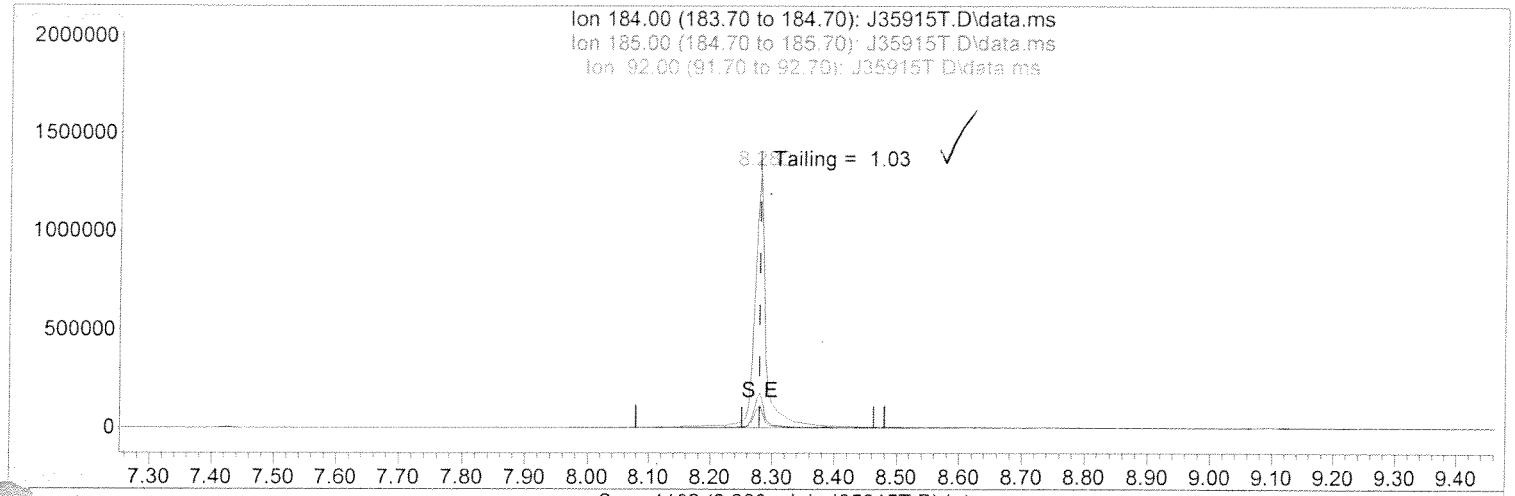
JG2210

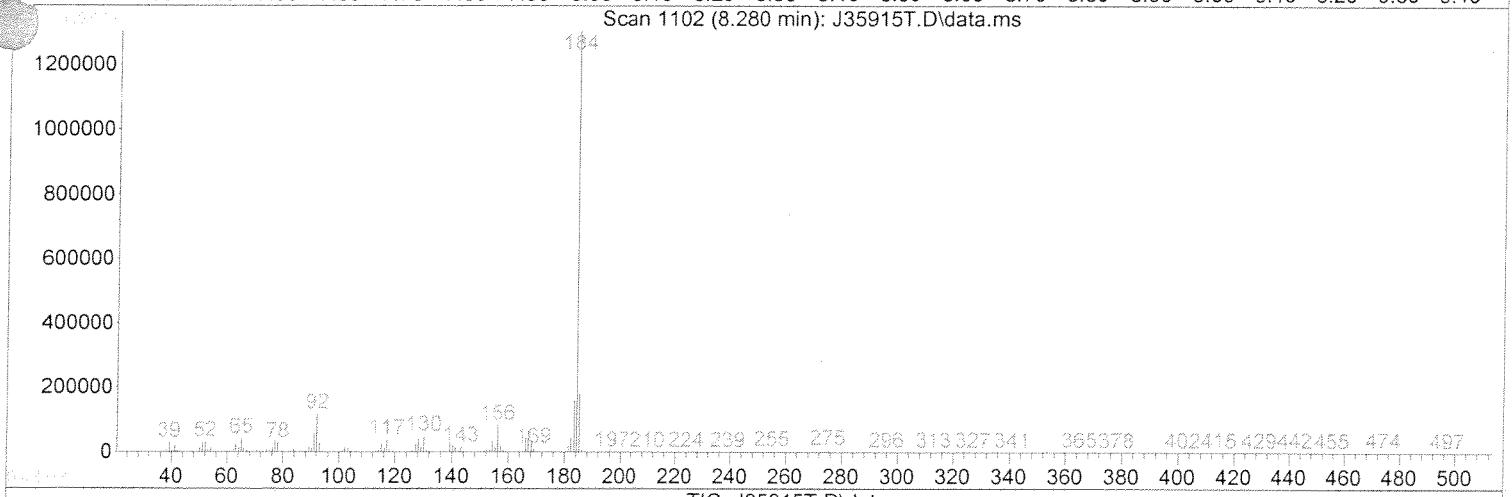
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

9/22/10





(3) Benzidine (TM)

8.280min (0.000) 25.47ug/ml

response 1576401

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	14.27#
92.00	0.00	8.87#
0.00	0.00	0.00

J12210

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835
DFTPP File ID: D71765T.D
DFTPP Injection Date: 09/22/10
DFTPP Injection Time: 2:09

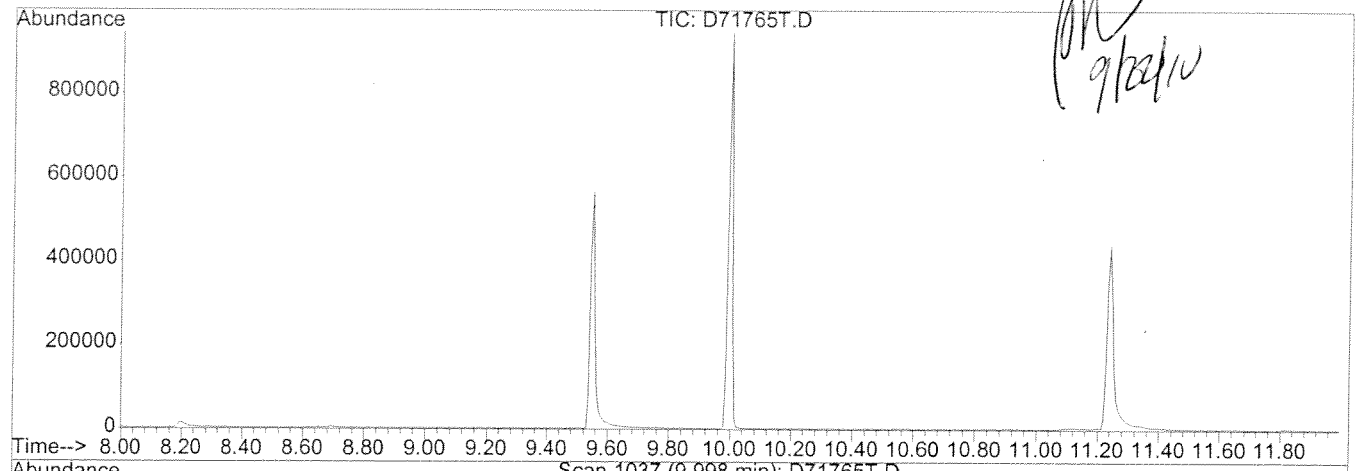
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71766SC.D	9/22/10 2:39
HEXANE W/IS	D71767.D	9/22/10 3:09
B092010EASE2	D71769B.D	9/22/10 4:10
L092010EASE2	D71770Q.D	9/22/10 4:39
LD092010EASE2	D71771Q.D	9/22/10 5:10
S10042 ALI 40	D71781SC.D	9/22/10 12:57
S10042 ALI 40	D71782SC.D	9/22/10 13:28

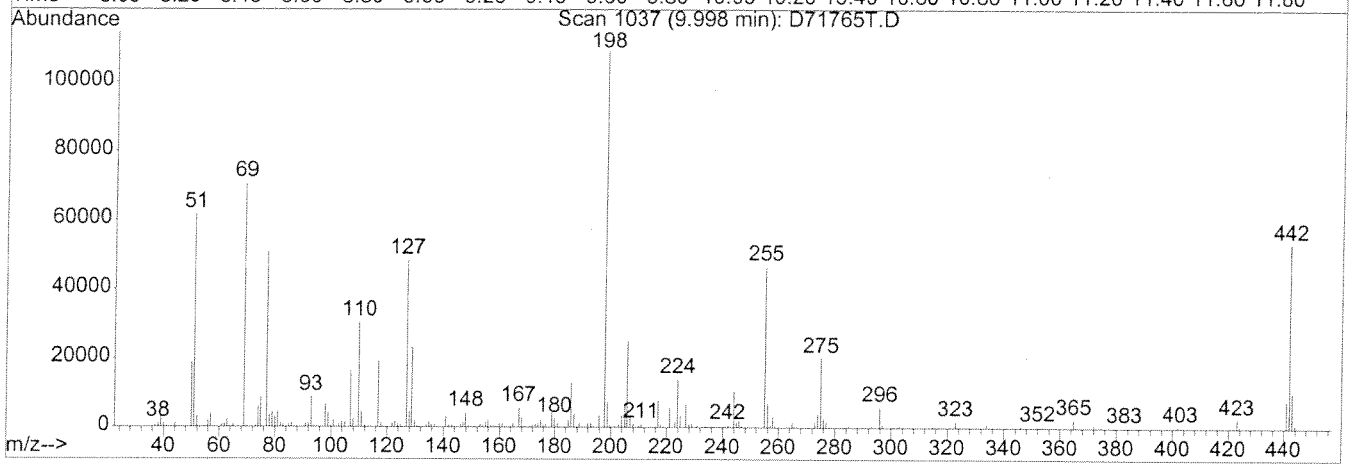
Refer to the DFTPP report D71765T.D for ion ratio evaluation.

EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D Vial: 1
Acq On : 22 Sep 2010 2:09 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX





Spectrum Information: Scan 1037

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	56.3	61576	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	64.5	70552	PASS
70	69	0.00	2	0.5	341	PASS
127	198	40	60	44.2	48336	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109320	PASS
199	198	5	9	6.7	7314	PASS
275	198	10	30	18.4	20128	PASS
365	198	1	100	2.2	2428	PASS
441	443	0.01	100	79.0	8051	PASS
442	198	40	100	48.7	53272	PASS
443	442	17	23	19.1	10188	PASS

D71765T.D TUNMXEPH.M Wed Sep 22 03:41:16 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71765T.D**
Date Acquired **9/22/2010 2:09**

OK 9/22/10

Name	Target Response
PENTACHLOROPHENOL	61202.00
BENZIDINE	243269.00
DDE	72.00
DDD	600
DDT	152622

(0% - 20%)

%DDT BREAKDOWN = 0.44% **OK** ✓

9/22/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/22/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

Target Compounds					Qvalue
1) PENTACHLOROPHENOL	9.55	266	61202	24.28 UG/L	97
2) DFTPP	10.00	198	89800	29.39 ug/ml	96
3) BENZIDINE	11.24	184	243269	30.32 UG/L #	100
4) DDE	11.50	246	72	0.72 UG/L #	100
5) DDD	12.07	235	600	6.00 UG/L #	36
6) DDT	12.60	235	152622	33.78 UG/L	97

092210

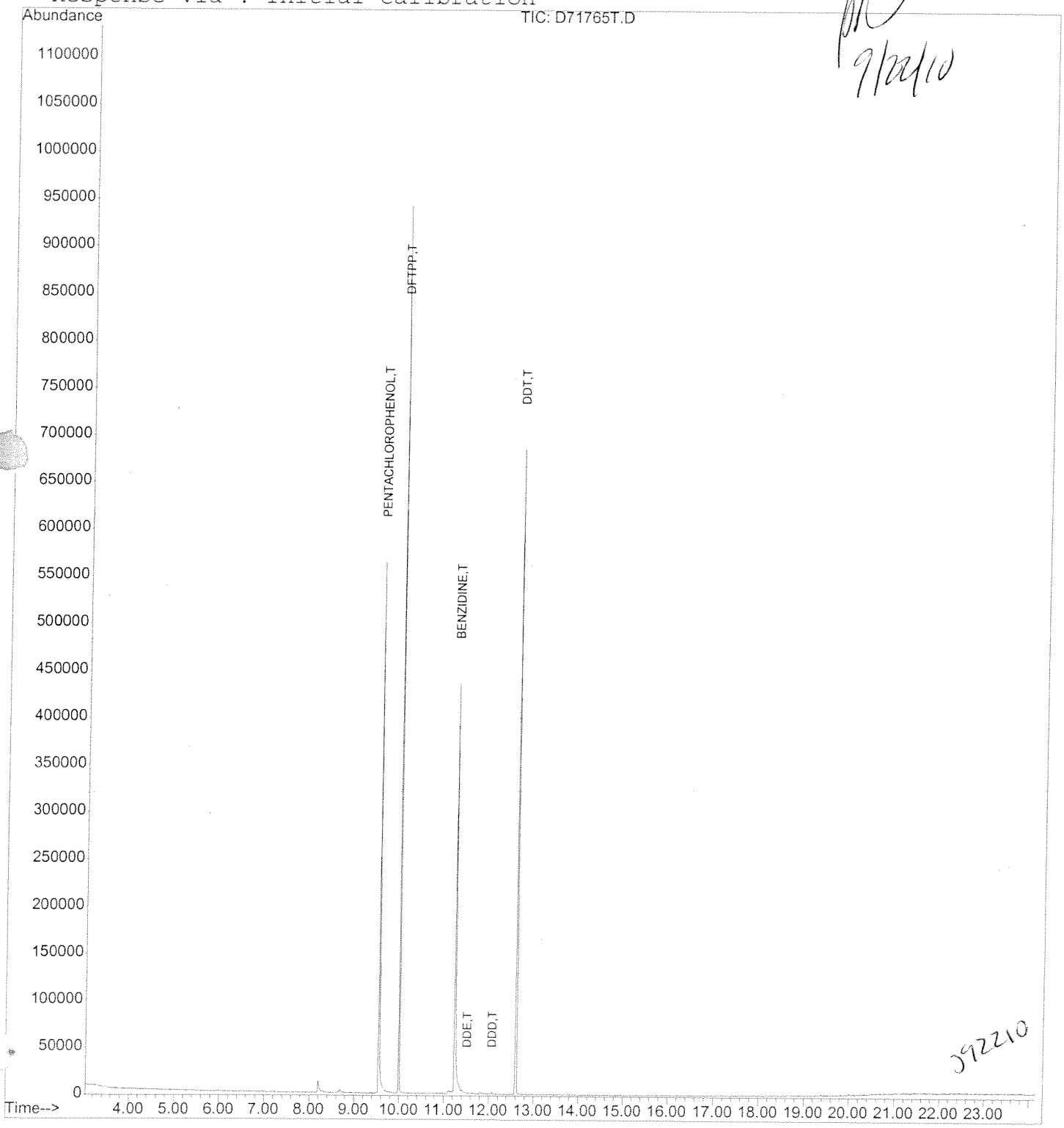
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration



9/22/10

092210

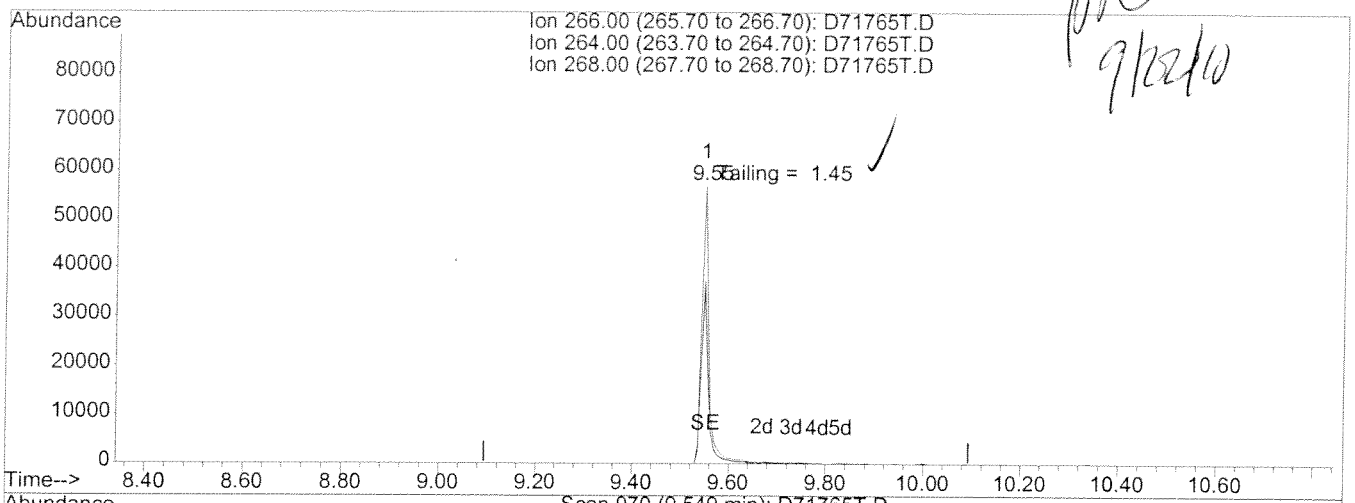
Quantitation Report (Qedit)

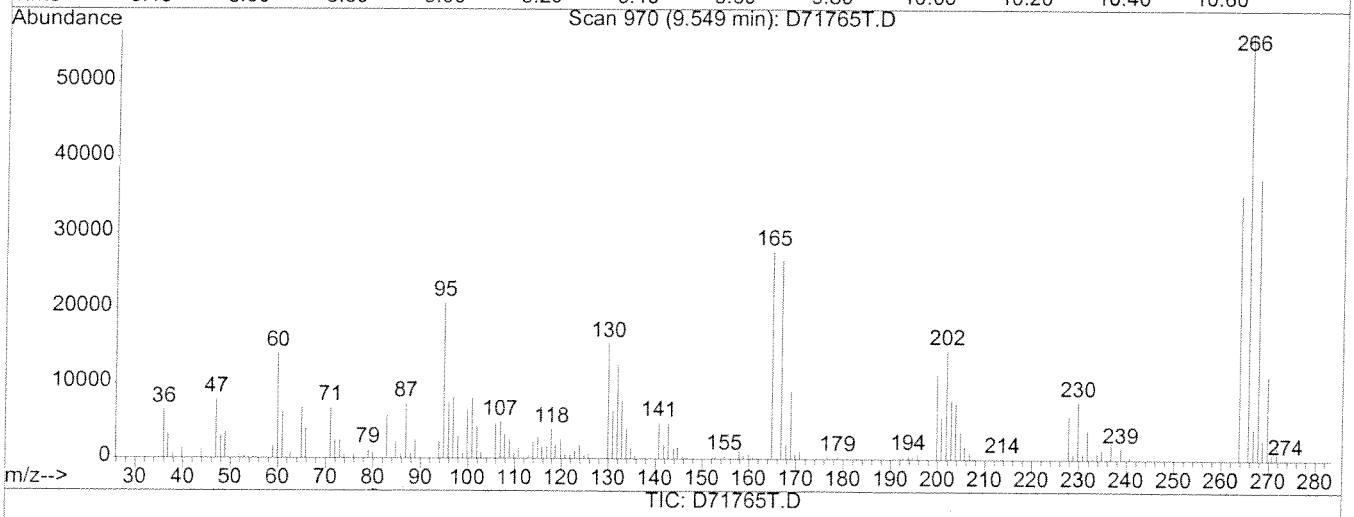
Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

PN 9/22/10





(1) PENTACHLOROPHENOL (T)

9.55min 24.28UG/L

response 61202

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	62.65
268.00	62.40	64.84
0.00	0.00	0.00

592210

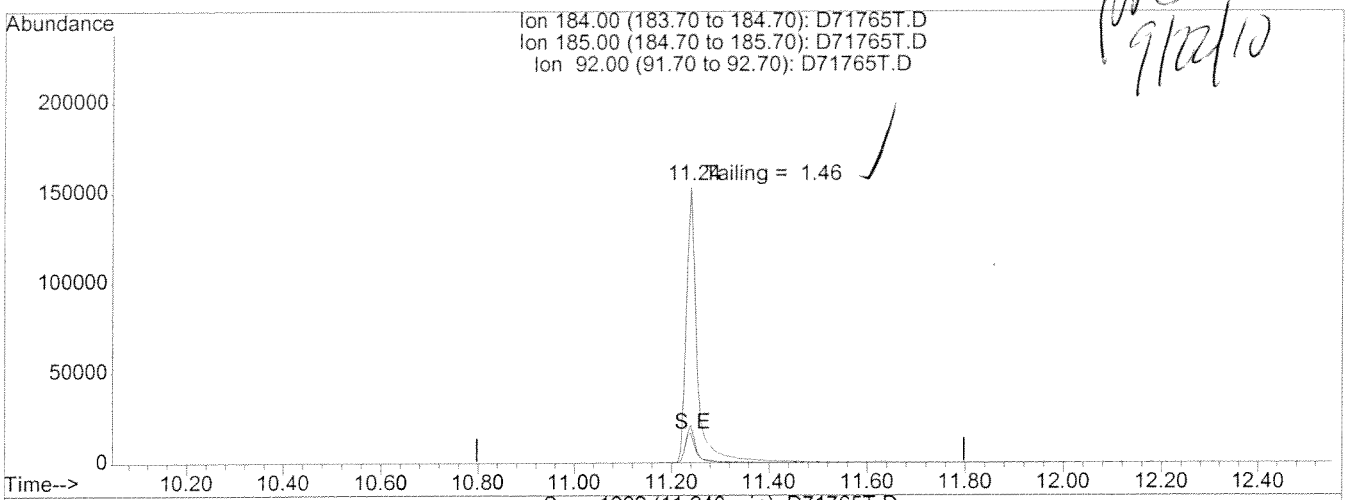
D71765T.D TUNMXEPH.M Wed Sep 22 03:42:55 2010

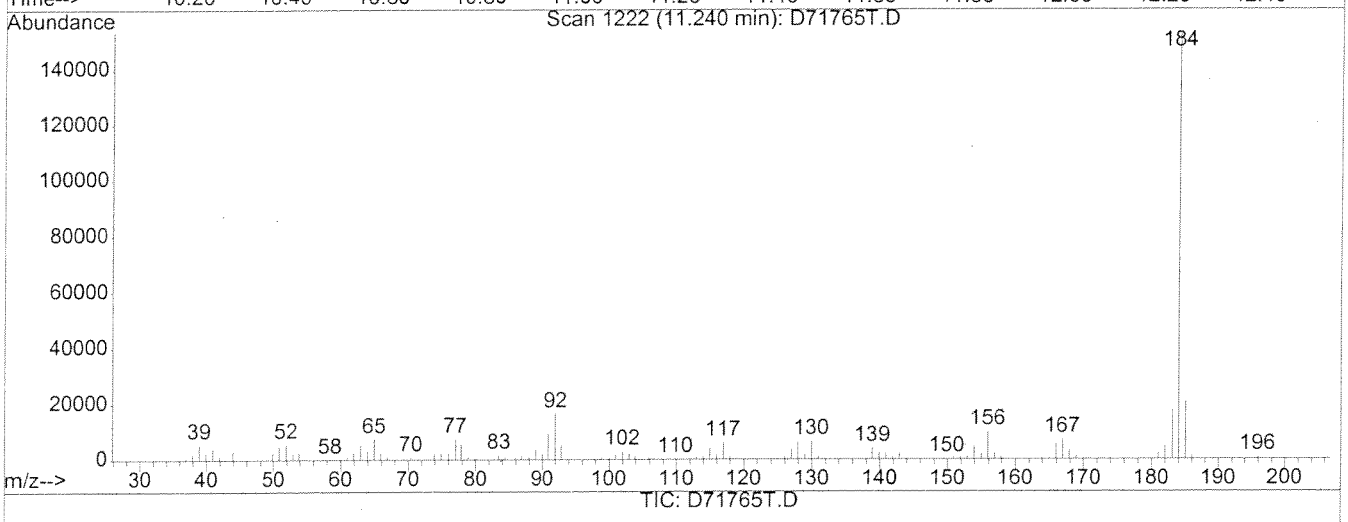
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D Vial: 1
Acq On : 22 Sep 2010 2:09 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/22/10





TIC: D71765T.D

(3) BENZIDINE (T)

11.24min 30.32UG/L

response 243269

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.30#
92.00	0.00	10.82#
0.00	0.00	0.00

592210

D71765T.D TUNMXEPH.M Wed Sep 22 03:43:01 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67835
DFTPP File ID: J35961T.D
DFTPP Injection Date: 09/22/10
DFTPP Injection Time: 16:21

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
S10041 ARO 20	J35962SC.D	9/22/10	16:44
HEXANE W/IS	J35963.D	9/22/10	17:06
B092010EASE2	J35964B.D	9/22/10	17:29
L092010EASE2	J35965Q.D	9/22/10	17:52
LD092010EASE2	J35966Q.D	9/22/10	18:15
L092010EASE2	J35967Q.D	9/22/10	18:38
LD092010EASE2	J35968Q.D	9/22/10	19:01
67835-1	J35981.D	9/23/10	0:00
67835-2	J35982.D	9/23/10	0:23
67835-3	J35983.D	9/23/10	0:46
67835-4	J35984.D	9/23/10	1:09
67835-5	J35985.D	9/23/10	1:32
67835-6	J35986.D	9/23/10	1:55
67835-6,MS	J35987.D	9/23/10	2:18
67835-6,MSD	J35988.D	9/23/10	2:41
S10041 ARO 20	J35989SC.D	9/23/10	3:27
S10041 ARO 20	J35990SC.D	9/23/10	3:49

Refer to the DFTPP report J35961T.D for ion ratio evaluation.

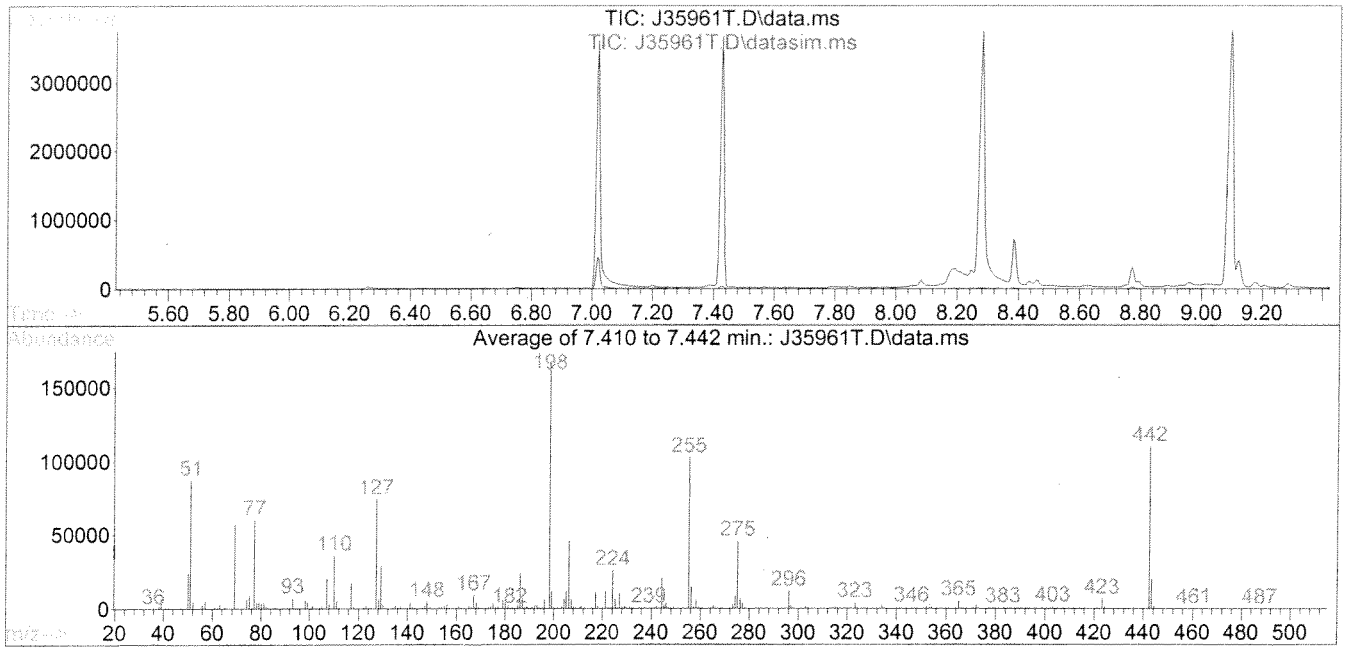
EPH FORM 5

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

J9220

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Wed Sep 22 00:54:43 2010



Spectrum Information: Average of 7.410 to 7.442 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.4	87396	PASS
68	69	0.00	2	0.0	13	PASS
69	198	0.00	100	34.2	56981	PASS
70	69	0.00	2	0.5	296	PASS
127	198	40	60	44.5	74319	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	166838	PASS
199	198	5	9	7.0	11739	PASS
275	198	10	30	27.3	45619	PASS
365	198	1	100	3.0	5013	PASS
441	443	0.01	100	1.4	269	PASS
442	198	40	100	66.0	110074	PASS
443	442	17	23	17.6	19322	PASS

9/23/10

392210

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35961T.D**
Date Acquired **9/22/2010 16:21**

Name	Target Response
Pentachlorophenol	495669.00
Benzidine	1792770.00
DDE	1916.00
DDD	75871
DDT	952905

(0% - 20%)

%DDT BREAKDOWN = 7.55% **OK** ✓

9/23/10

9/22/2010 7:10 PM

C:\msdchem\custrpt\ABN CUSTRPT\TUNEMIX.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

S92210

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) Pentachlorophenol	7.021	266	495669	33.90	ug/ml	99
2) DFTPP	7.428	198	373615	30.93	ug/ml#	100
3) Benzidine	8.281	184	1792770	28.97	ug/ml#	100
4) DDE	8.445	246	1916	1.30	ug/ml#	100
5) DDD	8.773	235	75871	4.71	ug/ml#	100
6) DDT	9.095	235	952905	31.05	ug/ml#	100

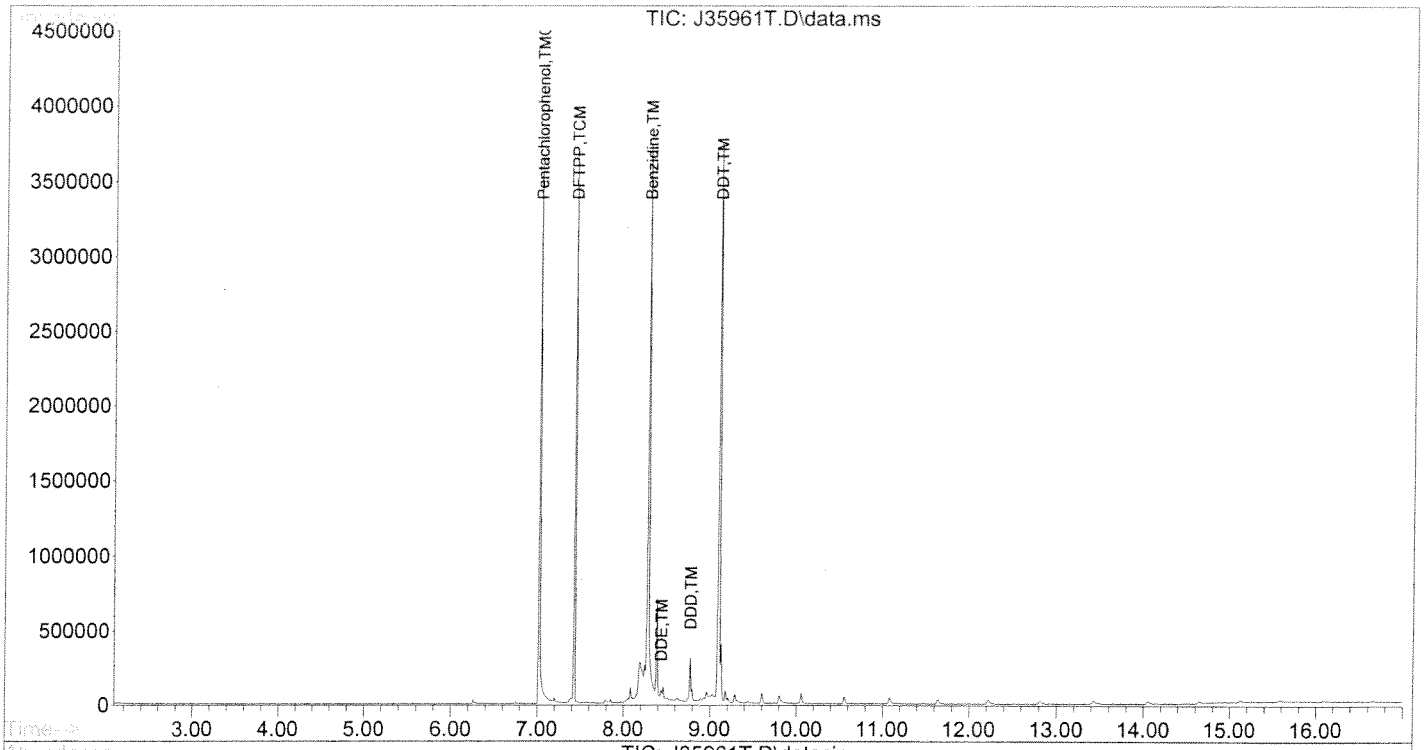
(#) = qualifier out of range (m) = manual integration (+) = signals summed

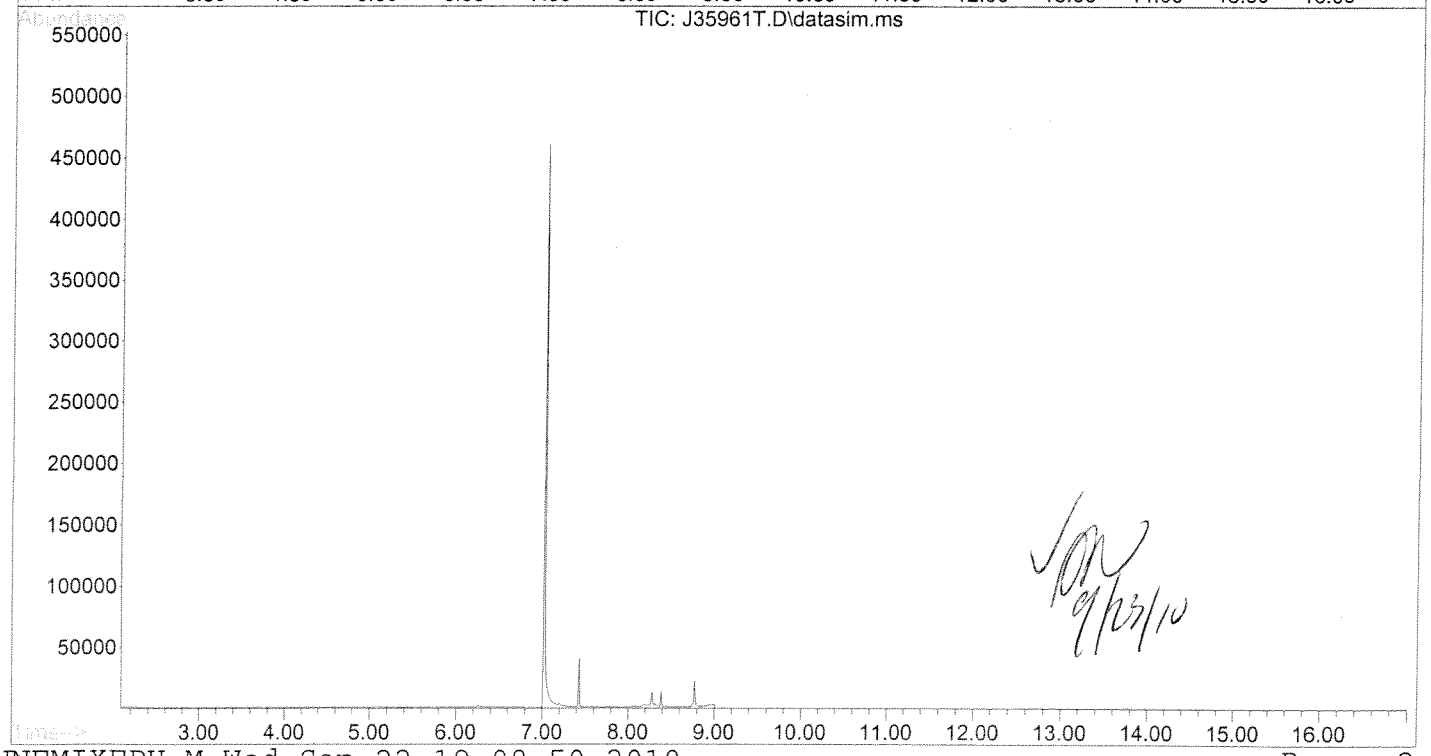
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

092210

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration



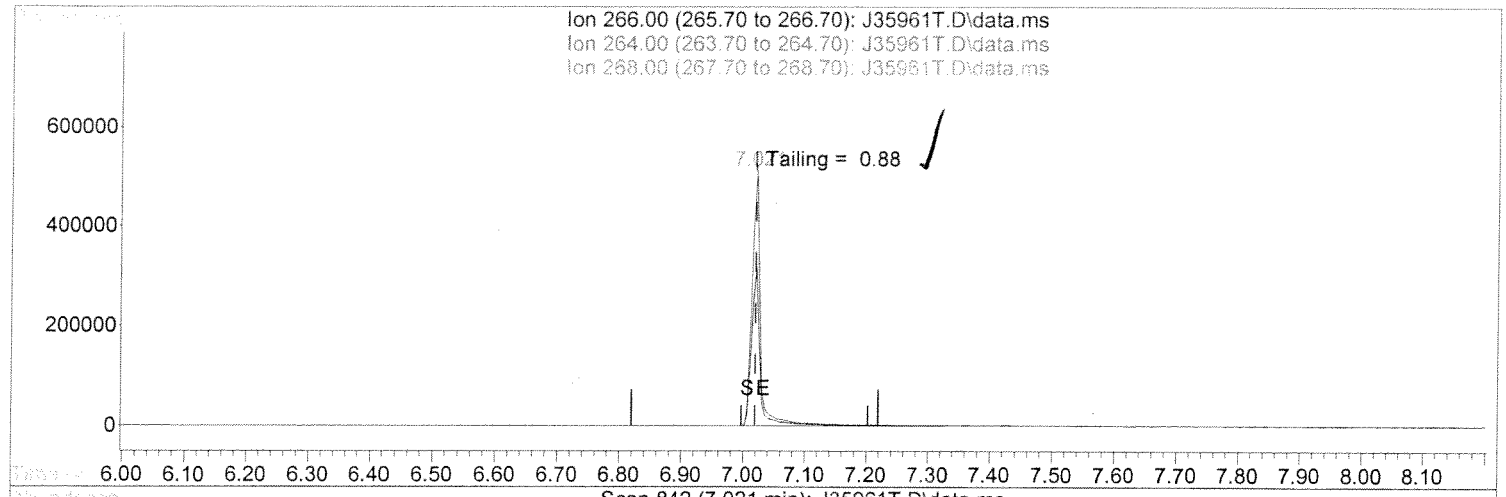


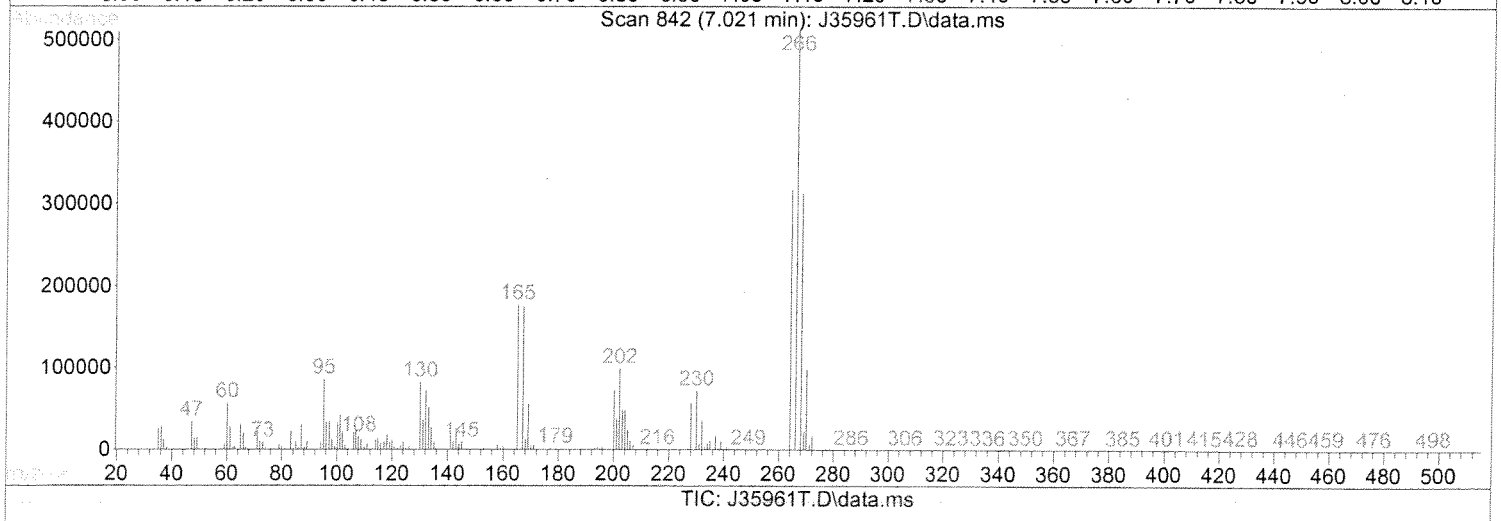
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

J42210





(1) Pentachlorophenol (TMC)

7.021min (+0.001) 33.90ug/ml

response 495669

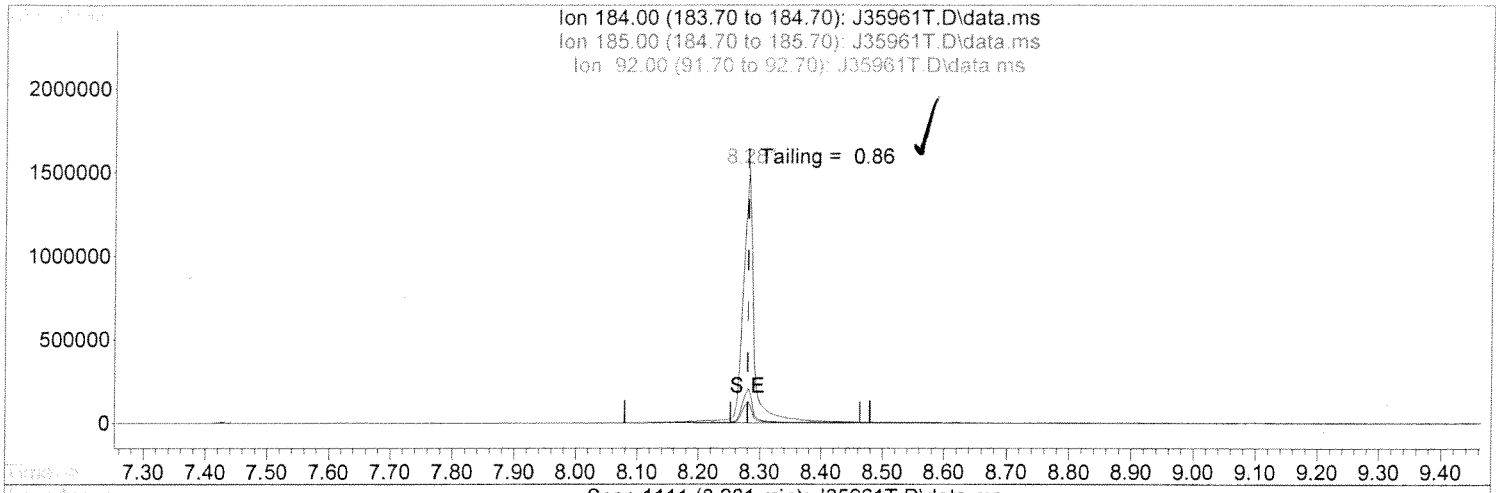
Ion	Exp%	Act%
266.00	100	100
264.00	63.20	62.73
268.00	61.50	60.92
0.00	0.00	0.00

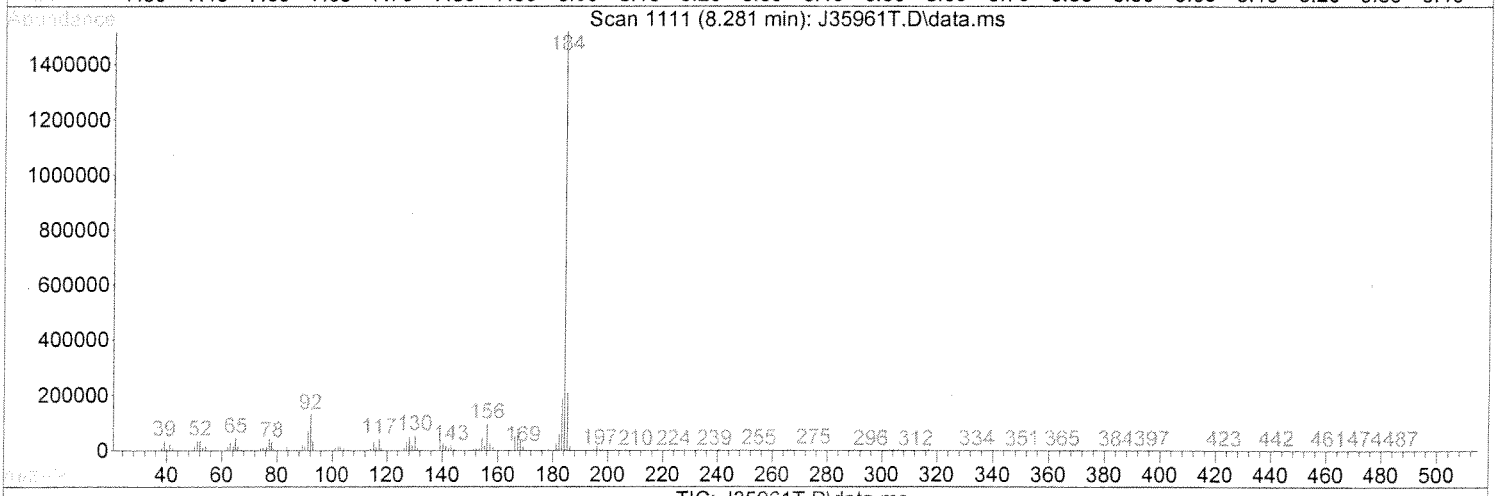
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

J922W





TIC: J35961T.D\data.ms

(3) Benzidine (TM)

8.281min (+0.001) 28.97ug/ml

response 1792770

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.35#
92.00	0.00	8.62#
0.00	0.00	0.00

9/23/10

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835
DFTPP File ID: D71801T.D
DFTPP Injection Date: 09/23/10
DFTPP Injection Time: 0:00

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71802SC.D	9/23/10 0:30
HEXANE W/IS	D71803.D	9/23/10 1:00
B092010EASE2,RR2	D71804B.D	9/23/10 1:30
67835-1	D71805.D	9/23/10 2:00
67835-2	D71806.D	9/23/10 2:30
67835-3	D71807.D	9/23/10 3:00
67835-4	D71808.D	9/23/10 3:30
67835-5	D71809.D	9/23/10 4:00
67835-6	D71810.D	9/23/10 4:30
67835-6,MS	D71811SP.D	9/23/10 5:00
67835-6,MSD	D71812SP.D	9/23/10 5:30
S10042 ALI 40	D71815SC.D	9/23/10 7:29
S10042 ALI 40	D71816SC.D	9/23/10 7:59

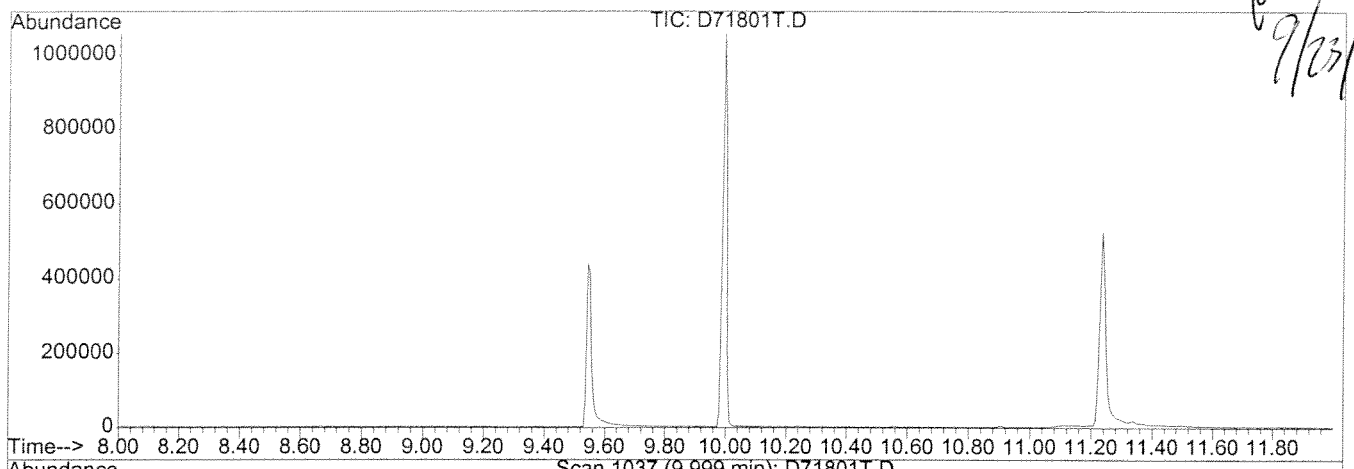
Refer to the DFTPP report D71801T.D for ion ratio evaluation.

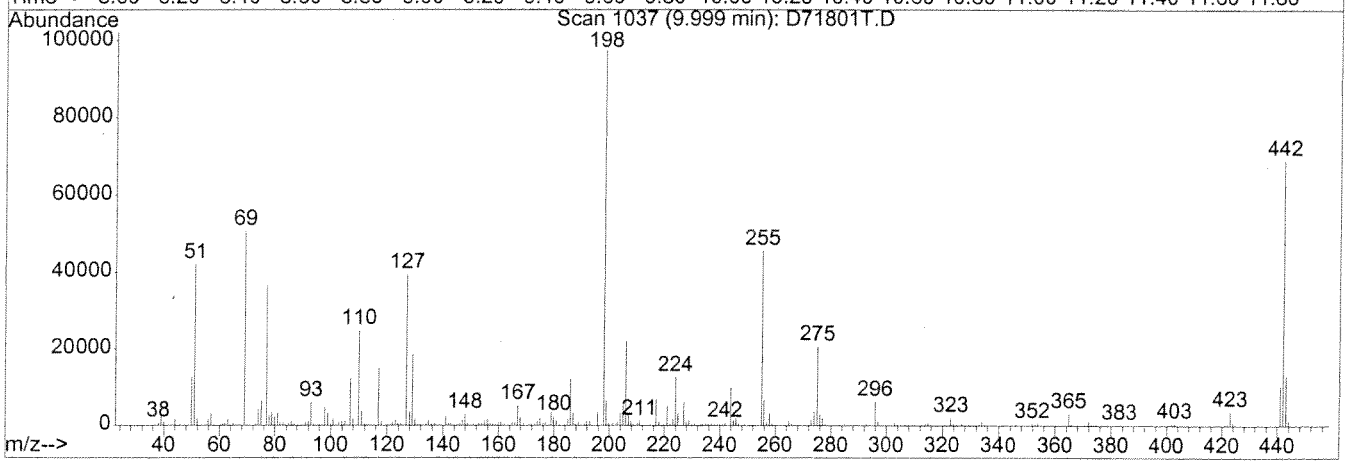
EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D Vial: 1
Acq On : 23 Sep 2010 12:00 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

9/23/10





Spectrum Information: Scan 1037

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	43.2	42088	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	52.1	50744	PASS
70	69	0.00	2	0.6	302	PASS
127	198	40	60	40.4	39352	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	97448	PASS
199	198	5	9	6.7	6509	PASS
275	198	10	30	21.1	20584	PASS
365	198	1	100	3.2	3132	PASS
441	443	0.01	100	79.7	10427	PASS
442	198	40	100	70.7	68904	PASS
443	442	17	23	19.0	13078	PASS

D71801T.D TUNMXEPH.M Thu Sep 23 03:27:34 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71801T.D**
Date Acquired **9/23/2010 12:00**

ON
9/23/10

Name	Target Response
PENTACHLOROPHENOL	52425.00
BENZIDINE	280751.00
DDE	300.00
DDD	1750
DDT	190178

(0% - 20%)

%DDT BREAKDOWN = 1.07% **OK** ✓

9-23-10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D
Acq On : 23 Sep 2010 12:00 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

MC 9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

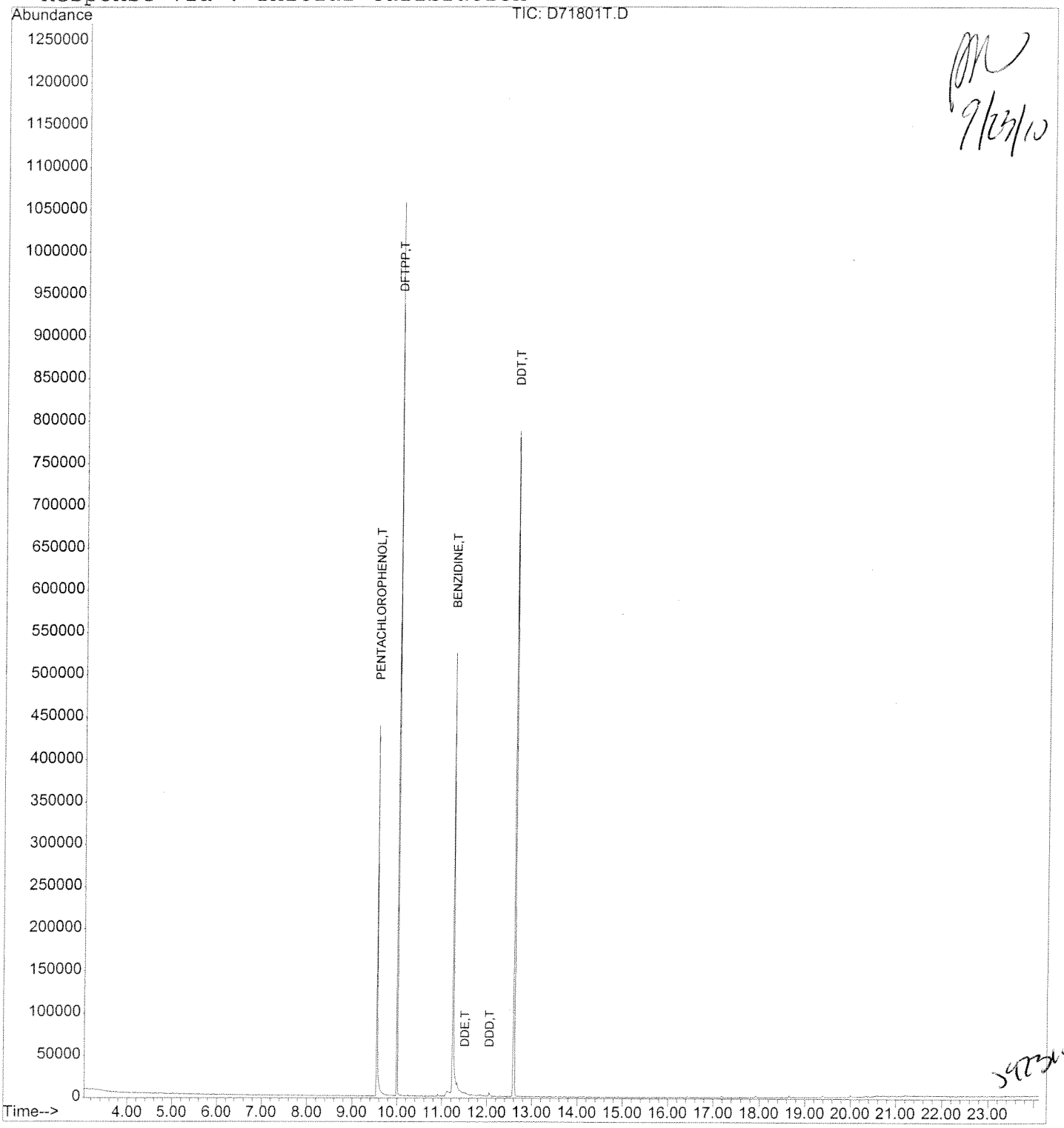
Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.55	266	52425	20.80	UG/L	97
2) DFTPP	9.99	198	110926	36.31	ug/ml	97
3) BENZIDINE	11.23	184	280751	34.99	UG/L #	100
4) DDE	11.50	246	300	3.00	UG/L #	100
5) DDD	12.06	235	1750	17.50	UG/L	93
6) DDT	12.60	235	190178	42.09	UG/L	99

592360

(#) = qualifier out of range (m) = manual integration

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D Vial: 1
Acq On : 23 Sep 2010 12:00 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010 Quant Results File: TUNMXEPH.RES

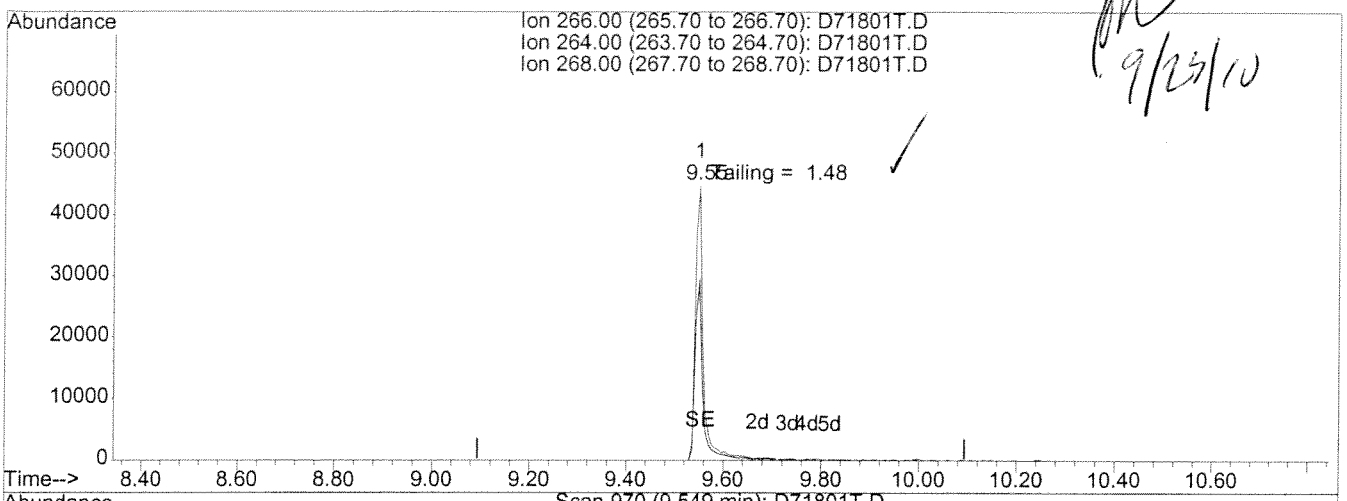
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration

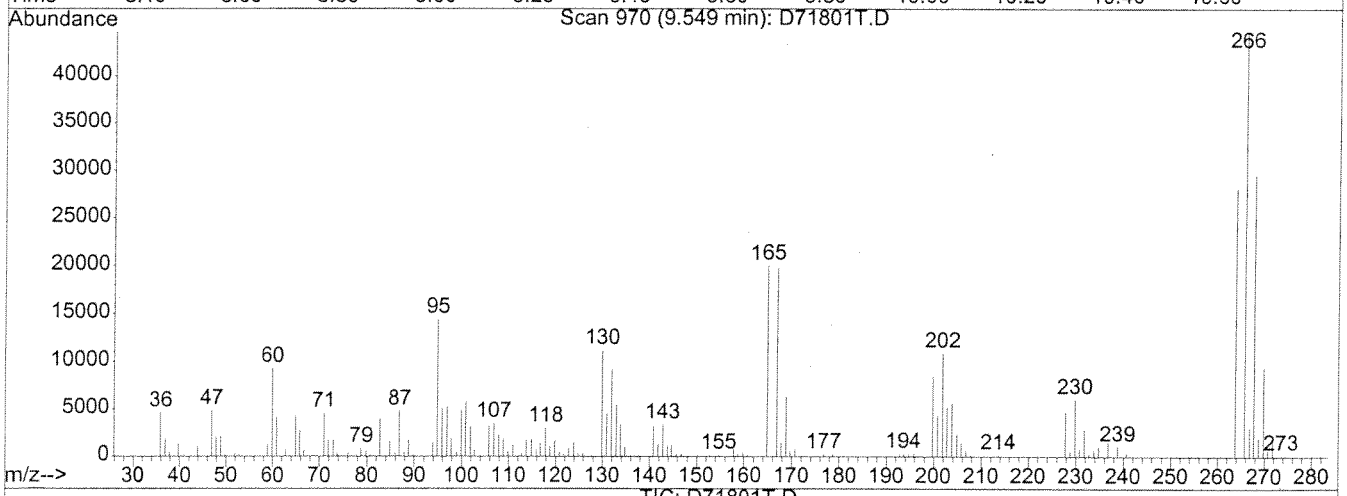


Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D Vial: 1
Acq On : 23 Sep 2010 12:00 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration





(1) PENTACHLOROPHENOL (T)

9.55min 20.80UG/L

response 52425

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	61.83
268.00	62.40	65.64
0.00	0.00	0.00

9/23/10

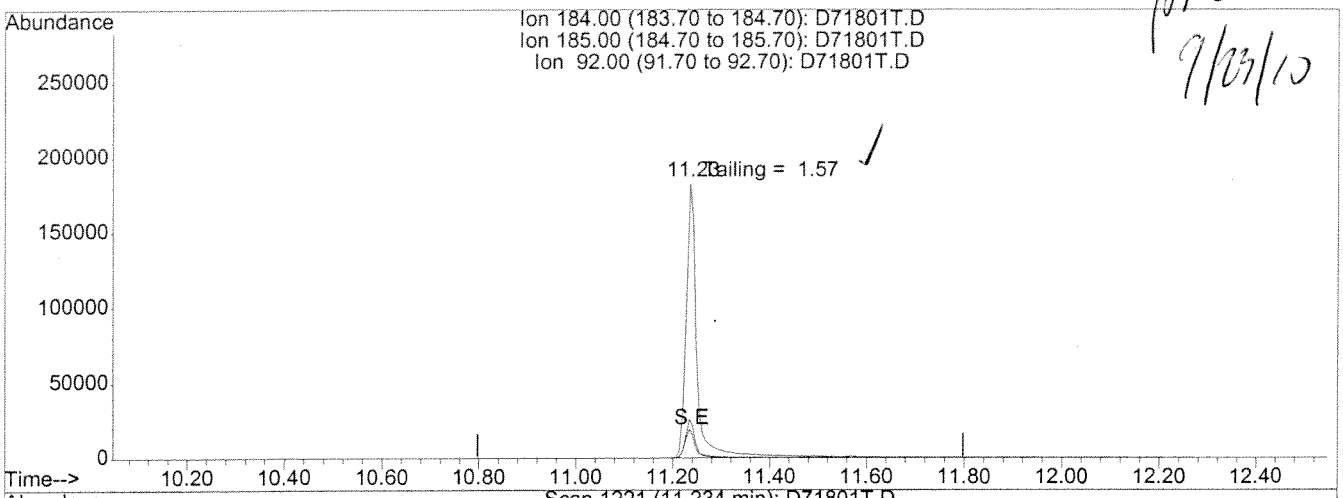
D71801T.D TUNMXEPH.M Thu Sep 23 03:30:35 2010

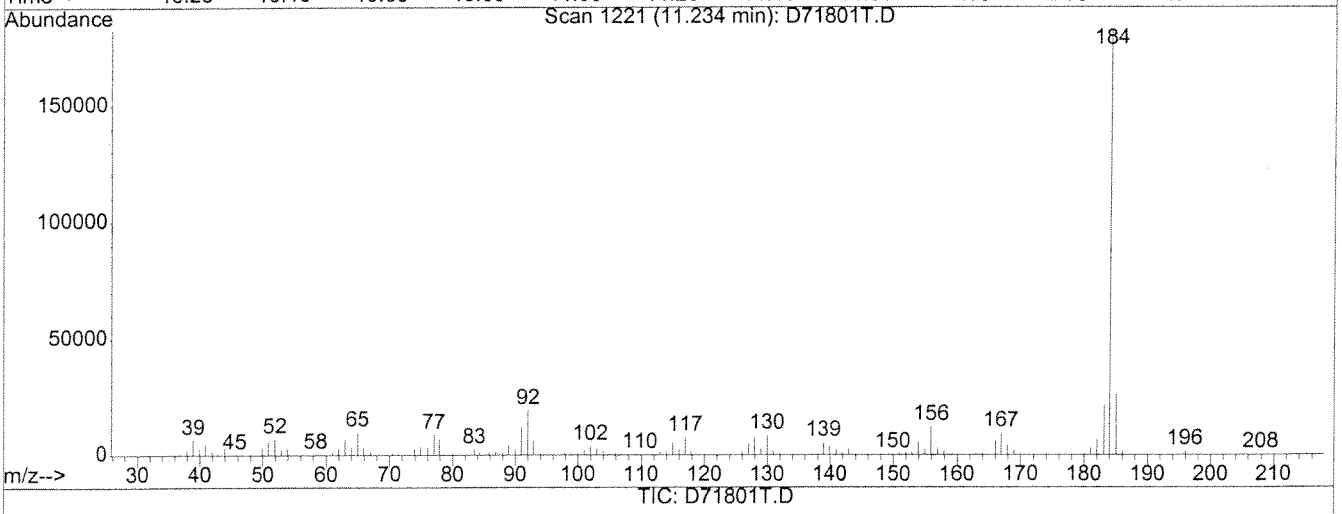
Quantitation Report (Qedit)

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D Vial: 1
Acq On : 23 Sep 2010 12:00 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

MV 9/23/10





(3) BENZIDINE (T)

11.23min 34.99UG/L

response 280751

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.34#
92.00	0.00	10.48#
0.00	0.00	0.00

092310

D71801T.D TUNMXEPH.M Thu Sep 23 03:30:42 2010

Response Factor Report GC/MS Ins

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010

N080560

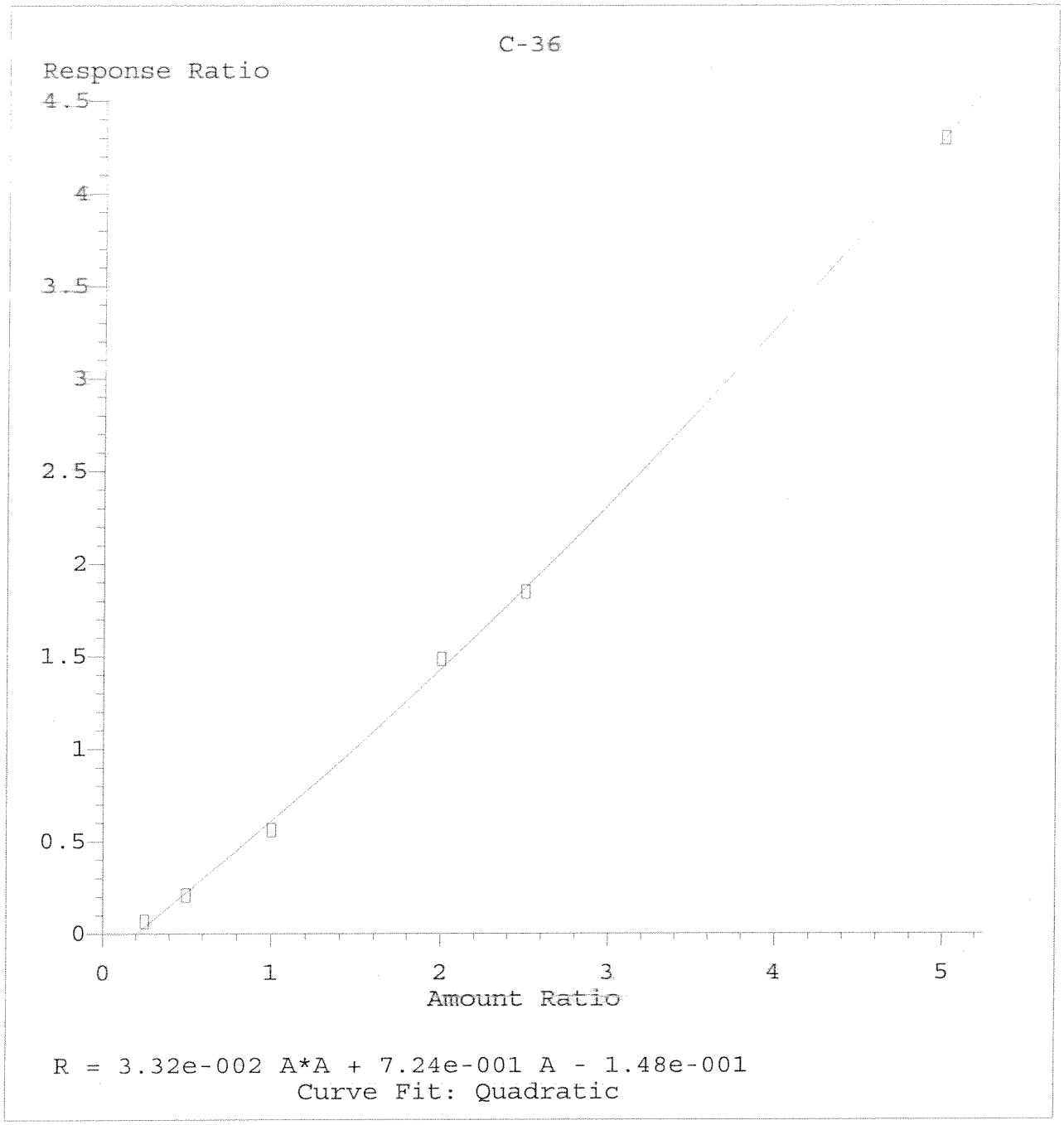
Calibration Files
5 =D71447SI.D 10 =D71448SI.D 20 =D71449SI.D
40 =D71450SI.D 50 =D71451SI.D 100 =D71452SI.D

		Compound	5	10	20	40	50	100	Avg		%RS
1)	I	5-alpha-Androstane	ISTD								
2)	TZM	C-9	1.183	1.207	1.210	1.297	1.278	1.277	1.242	0	3.8
3)	TZM	C-10	1.208	1.243	1.232	1.328	1.325	1.283	1.270	0	3.9
4)	TZM	C-12	1.226	1.320	1.372	1.449	1.422	1.394	1.364	0	5.9
5)	TZM	C-14	1.287	1.336	1.376	1.498	1.486	1.410	1.399	0	5.9
6)	TZM	C-16	1.221	1.308	1.370	1.410	1.411	1.381	1.350	0	5.4
7)	TZM	C-18	1.202	1.290	1.351	1.451	1.435	1.329	1.343	0	6.8
8)	XH	C9-C18 ✓	1.221	1.284	1.319	1.405	1.393	1.346	1.328	0	5.2
9)	TZM	C-19	1.201	1.280	1.351	1.418	1.425	1.296	1.329	0	6.5
10)	TZM	C-20	1.160	1.240	1.286	1.445	1.394	1.287	1.302	0	7.9
11)	S	1-Chlorooctadecane	1.087	1.167	1.211	1.310	1.301	1.288	1.227	0	7.2
12)	TZM	C-22	1.146	1.251	1.294	1.401	1.365	1.282	1.290	0	6.9
13)	TZM	C-24	0.999	1.219	1.235	1.377	1.347	1.251	1.238	0	10.7
14)	TZM	C-26	0.897	1.133	1.184	1.311	1.208	1.147	1.147	0	12.0
15)	TZM	C-28	0.701	0.966	1.045	1.149	1.115	1.062	1.006	0	16.1
16)	TZM	C-30	0.584	0.821	0.931	1.078	1.043	0.979	0.906	0	20.0
[illegible]	TZM	C-36	0.268	0.418	0.560	0.742	0.740	0.860	0.598	0	37.5
18)	XH	C19-C36 ✓	0.869	1.041	1.111	1.240	1.205	1.145	1.102	0	12.1

✓ PM 8/5/10

(#) = Out of Range

N080510



Method Name: D:\HPCHEM\1\METHODS\ALG80410.M
Calibration Table Last Updated: Thu Aug 05 08:16:42 2010

JOM 8/5/10

GC ALIPHATIC
2ND SOURCE CHECK

Data File Name D71453.D
Sample Name S9715 AL! 20 ICV
Date Acquired 8/5/2010 5:21

MD 8040

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
C-9	20.65	20	103%	OK	20.65		
C-10	21.26	20	106%	OK	21.26		
C-12	22.50	20	113%	OK	22.50		
C-14	21.19	20	106%	OK	21.19		
C-16	21.45	20	107%	OK	21.45		
C-18	20.57	20	103%	OK	20.57		
C9-C18		120			**127.62**	106%	OK
C-19	20.54	20	103%	OK	20.54		
C-20	21.18	20	106%	OK	21.18		
C-22	21.05	20	105%	OK	21.05		
C-24	20.76	20	104%	OK	20.76		
C-26	20.40	20	102%	OK	20.40		
C-28	21.22	20	106%	OK	21.22		
C-30	20.68	20	103%	OK	20.68		
C-36	18.98	20	95%	OK	18.98		
C19-C36		160			**164.81**	103%	OK

1-Chlorooctadecane	19.20	20	96%	OK

JM 8/5/10

8/5/10 8:18 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ALGICVSUMPRCT.CRT

Method Path : C:\msdchem\1\METHODS\
Method File : ARM092110.M
Title : EPH MS AROMATICS
Last Update : Wed Sep 22 03:42:32 2010
Response Via : Initial Calibration

AK 9/22/10

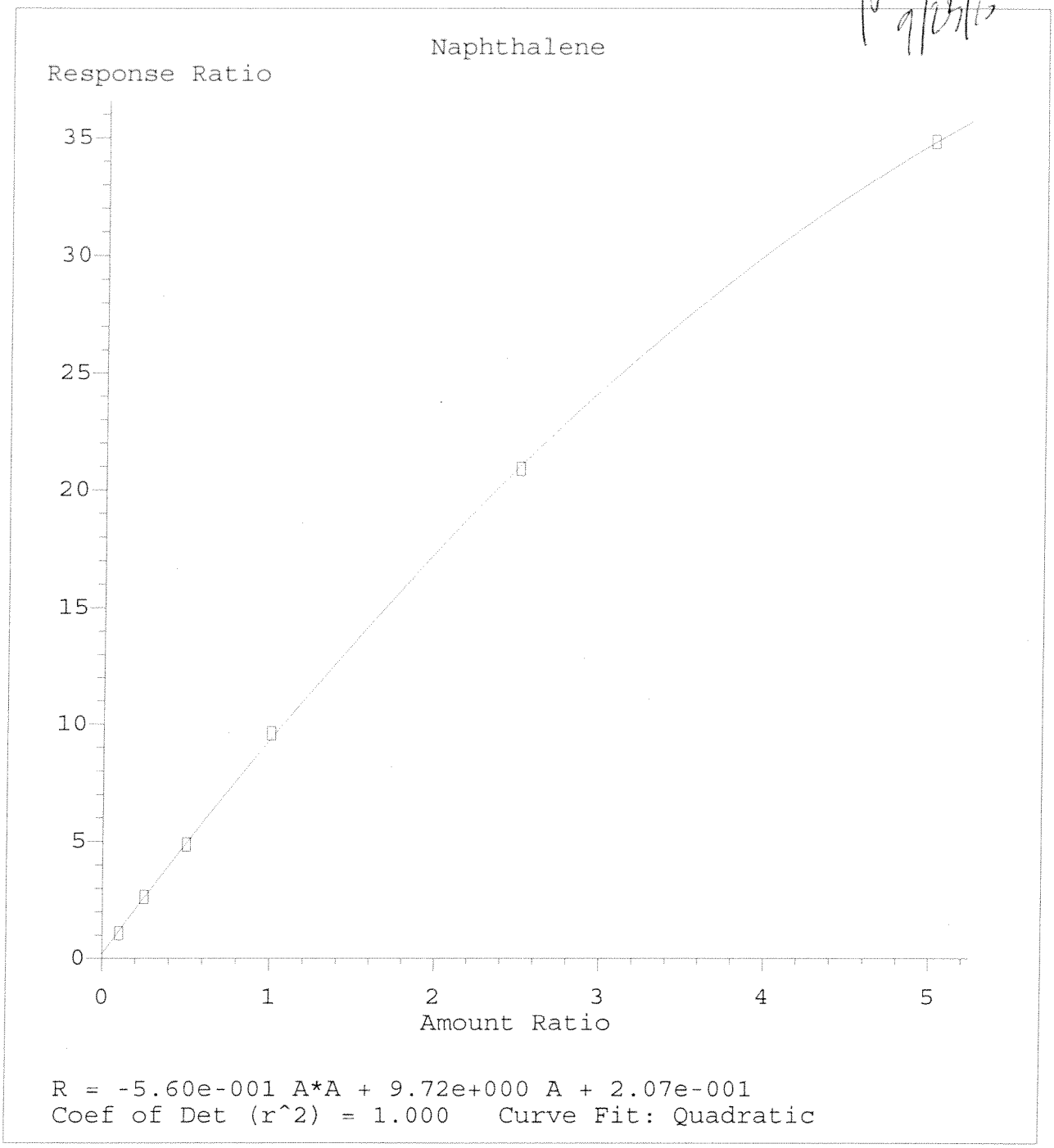
Calibration Files
2 =J35922SI.D 5 =J35923SI.D 10 =J35924SI.D 20 =J35925SI.D
50 =J35926SI.D 100 =J35927SI.D

		Compound	2	5	10	20	50	100	Avg		%RSD
1)	I	5-alpha-Androstane	----------ISTD----------								
2)	TM	Naphthalene	1.078	1.052	0.973	0.960	0.835	0.697	0.932	E1	15.38
3)	TM	2-Methylnaphth...	6.259	5.925	5.422	5.362	4.575	3.830	5.229		17.08
4)	TM	Acenaphthylene	1.150	1.143	1.057	1.036	0.897	0.757	1.007	E1	15.19
5)	TM	Acenaphthene	6.505	6.218	5.722	5.603	4.829	3.988	5.477		16.97
6)	TM	Fluorene	8.263	7.856	7.458	7.263	6.141	5.208	7.031		16.28
7)	TM	Phenanthrene	1.156	1.163	1.086	1.045	0.891	0.742	1.014	E1	16.34
8)	TM	Anthracene	1.213	1.166	1.087	1.043	0.879	0.737	1.021	E1	17.71
9)	S	2-Fluorobiphenyl	8.587	8.314	7.842	7.733	6.949	5.967	7.565		12.74
10)	S	2-Bromonaphtha...	3.897	3.801	3.556	3.480	3.220	2.807	3.460		11.57
11)	S	o-terphenyl	6.812	6.639	6.306	6.054	5.591	4.946	6.058		11.49
12)	TM	Fluoranthene	1.350	1.270	1.226	1.164	0.957	0.833	1.133	E1	17.47
13)	TM	Pyrene	1.399	1.320	1.266	1.203	1.017	0.878	1.180	E1	16.66
14)	TM	Benzo[a]anthra...	1.065	1.043	1.003	0.968	0.865	0.793	0.956	E1	11.13
15)	TM	Chrysene	1.090	1.044	0.988	0.934	0.828	0.726	0.935	E1	14.65
16)	TM	Benzo[b] fluor...	8.919	8.719	8.495	8.623	7.987	7.653	8.399		5.73
17)	TM	Benzo[k] fluor...	9.731	9.088	8.920	8.240	7.343	6.574	8.316		14.18
18)	TM	Benzo[a] pyrene	8.722	8.531	8.291	8.163	7.362	6.972	8.007		8.61
19)	TM	Indeno [1,2,3-...	6.646	6.585	6.314	6.456	6.362	6.218	6.430		2.55
20)	TM	Dibenz [a,h] a...	6.509	5.989	6.262	6.305	6.286	5.567	6.153		5.39
21)	TM	Benzo(g,h,i) ...	7.605	7.496	7.111	6.965	6.752	5.797	6.954		9.37
22)		c11-c22							0.000#		-1.00

(#) = Out of Range

J92210

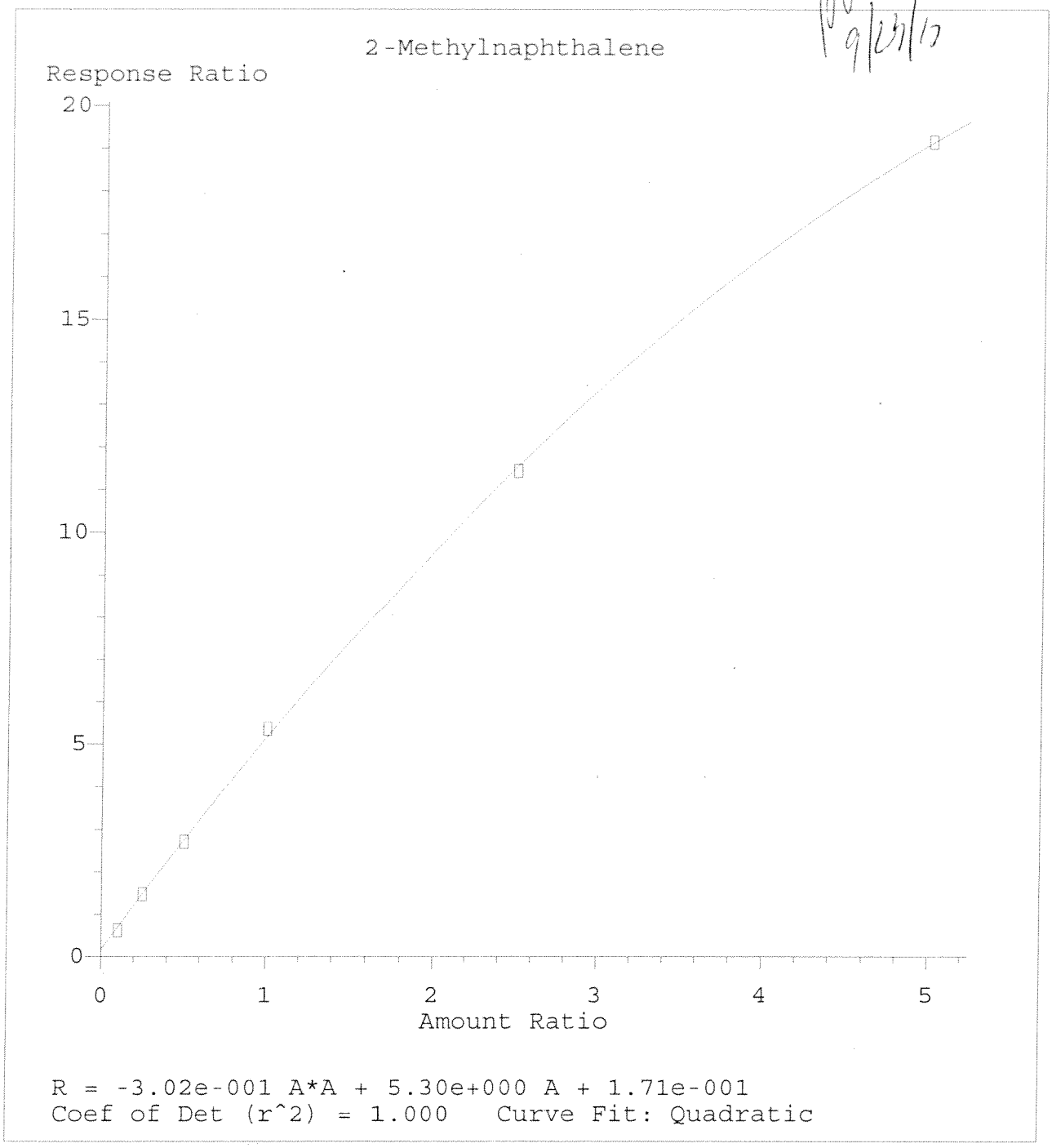
9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:26 2010

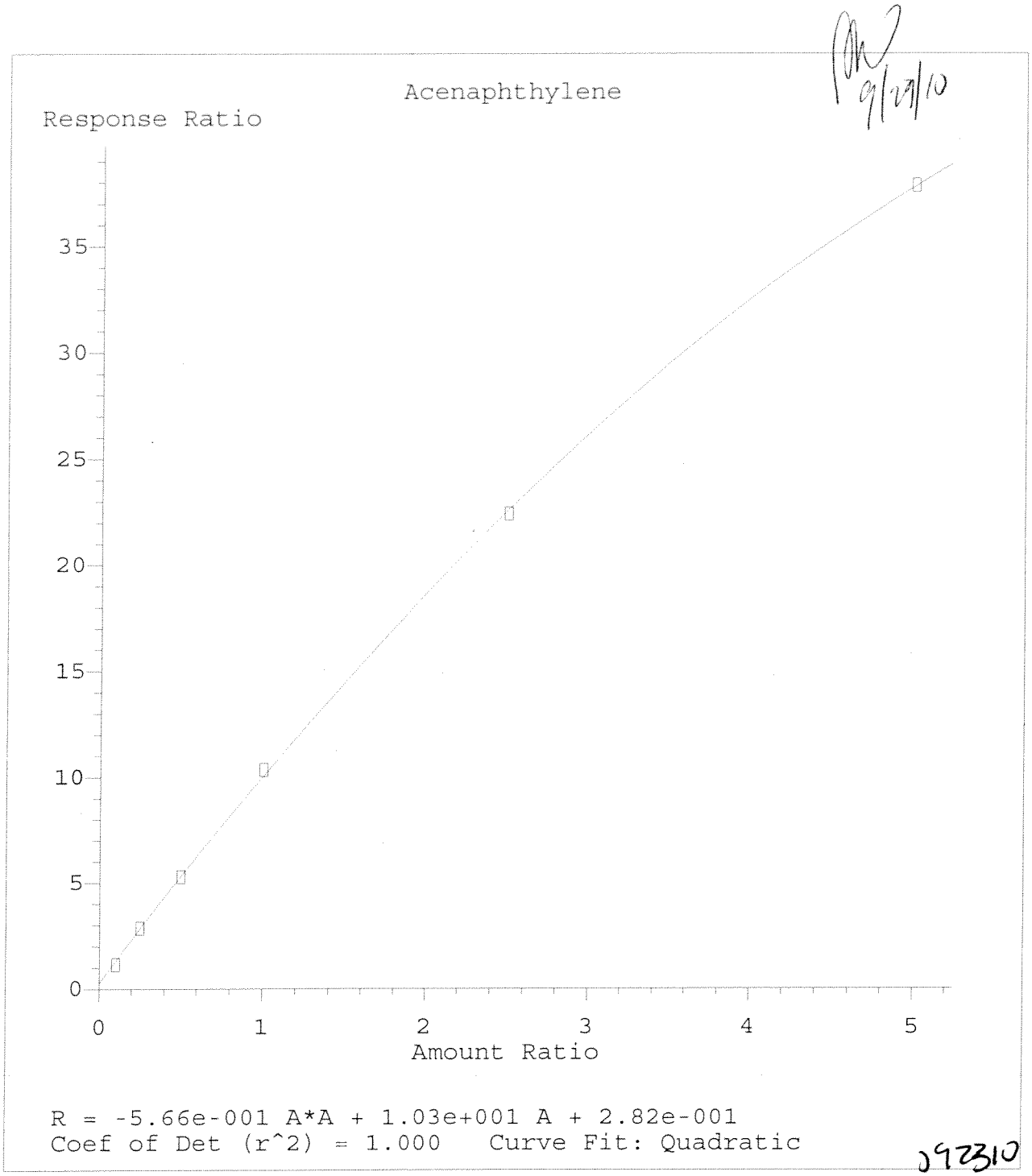
JY 9.23.10

9/23/10



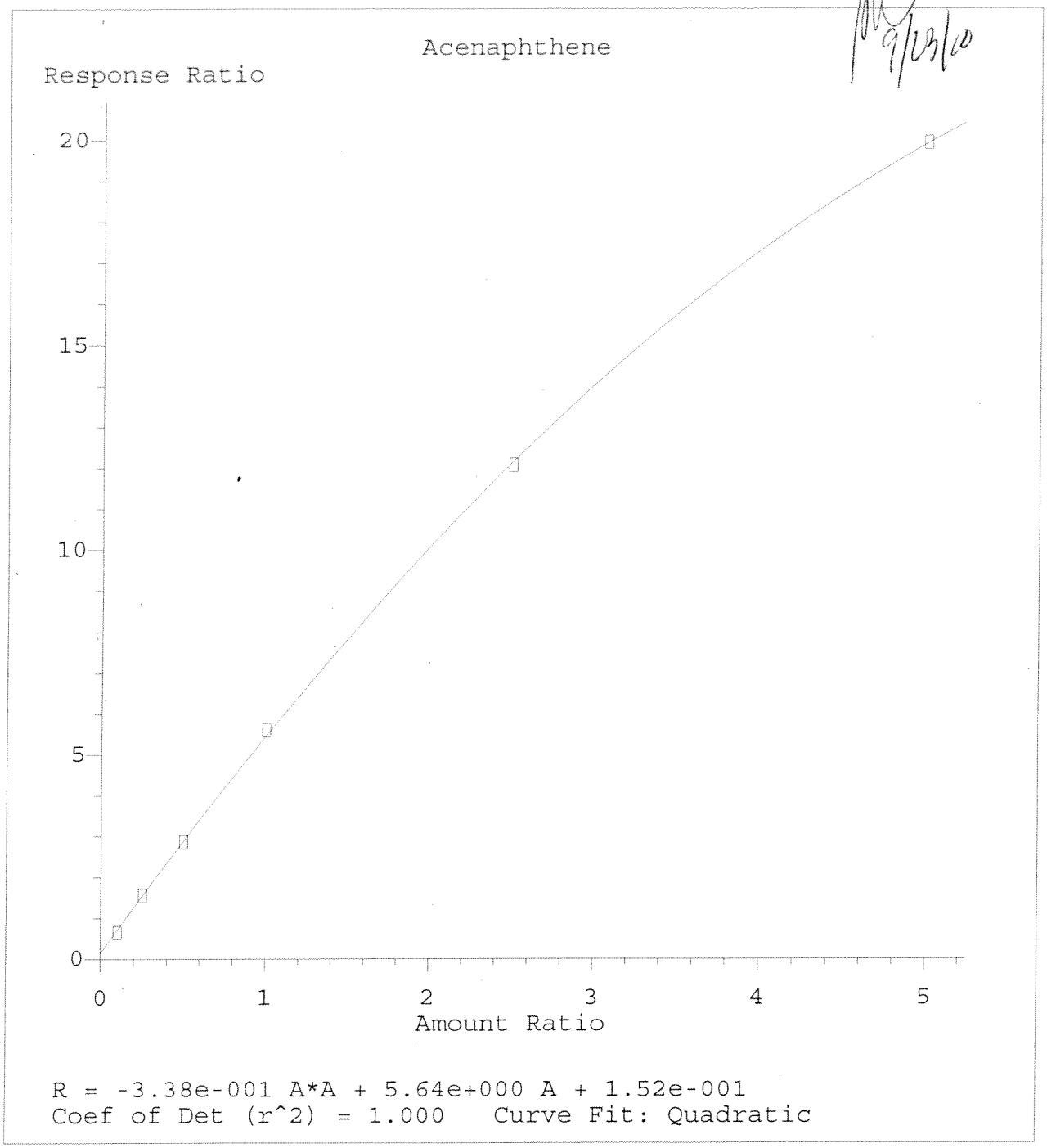
Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:45 2010

JG 23 10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:51 2010

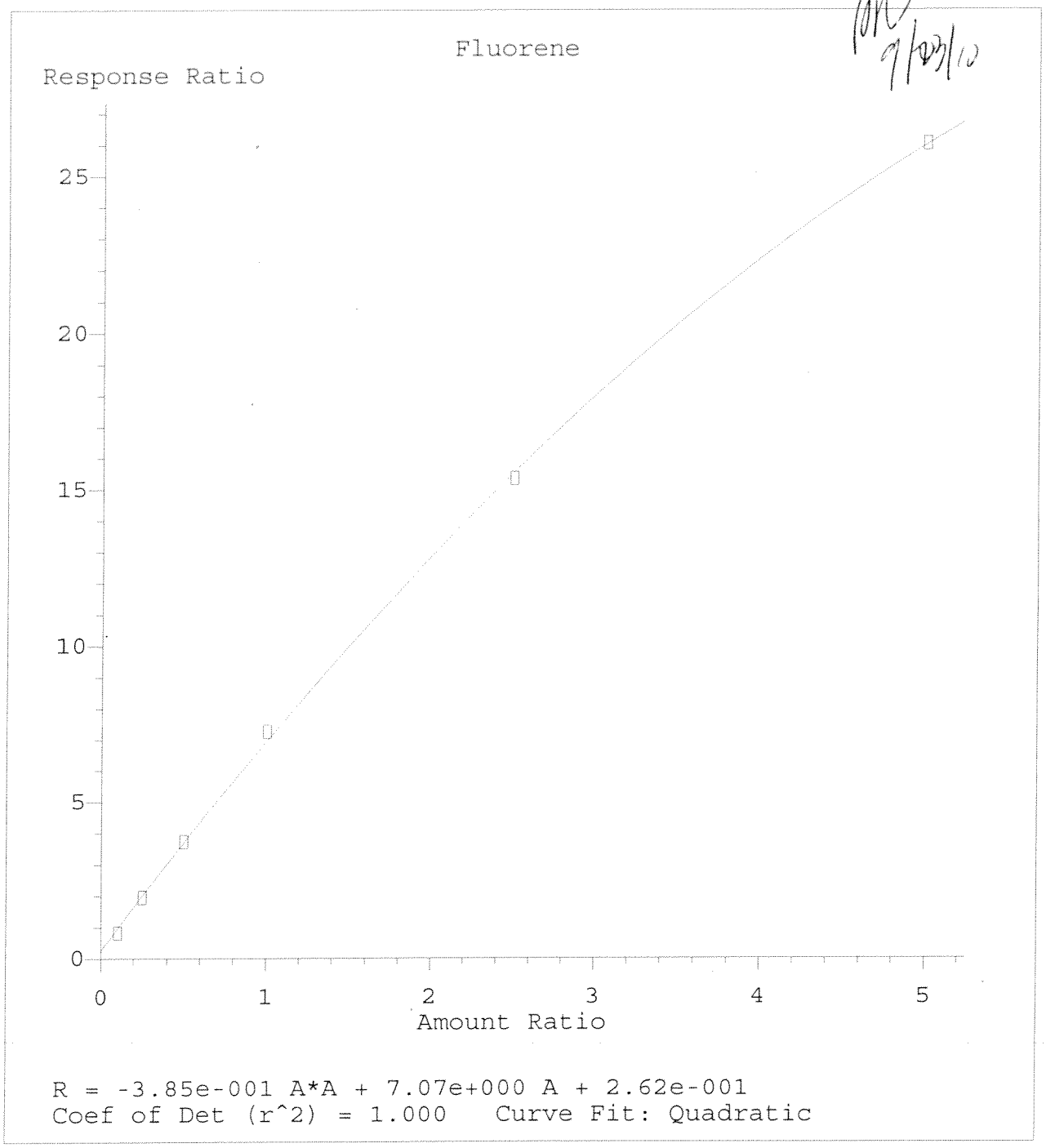
9/23/10



R = -3.38e-001 A*A + 5.64e+000 A + 1.52e-001
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

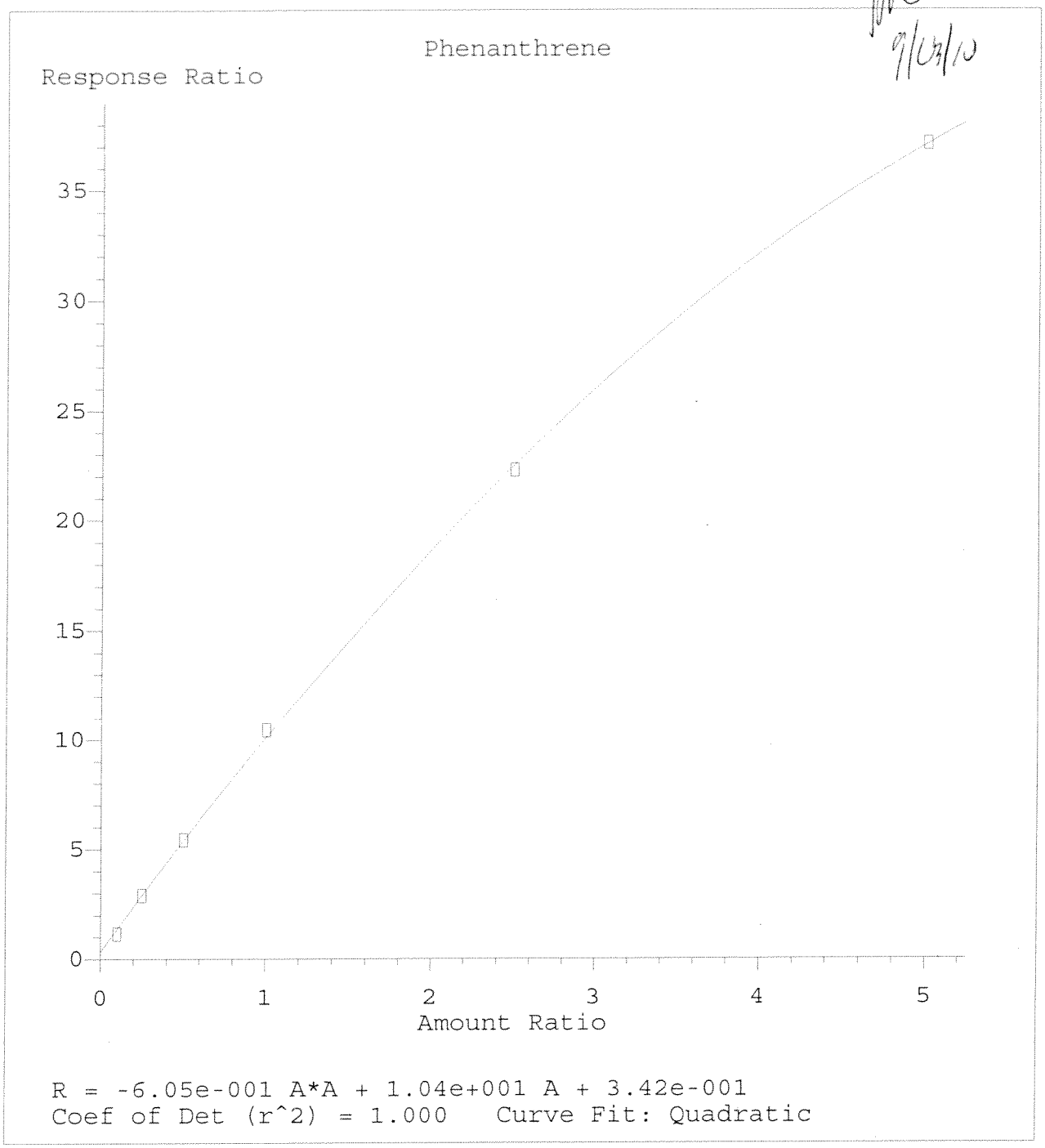
Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:57 2010

JY-231U



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:02 2010

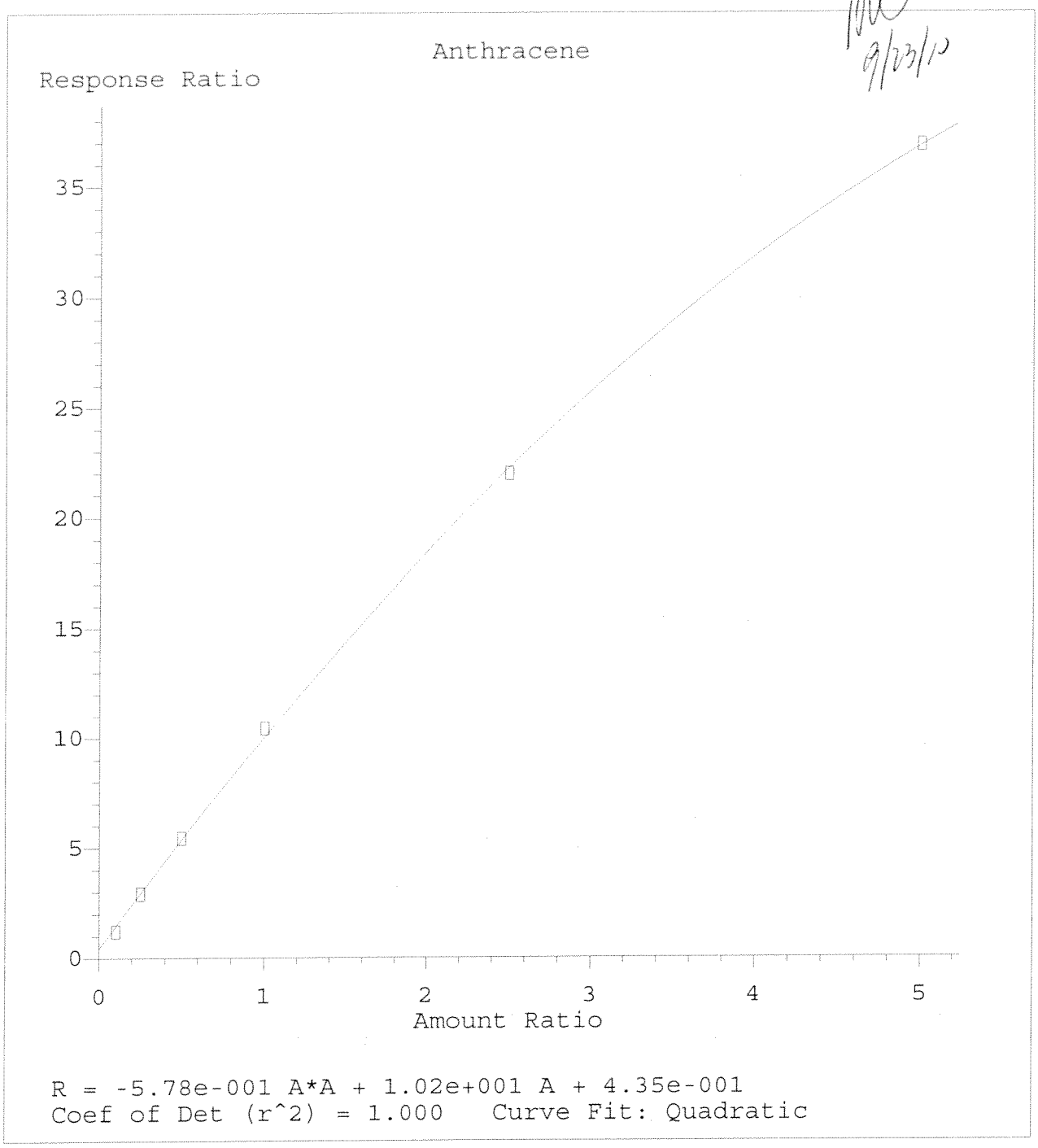
9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:07 2010

J92310

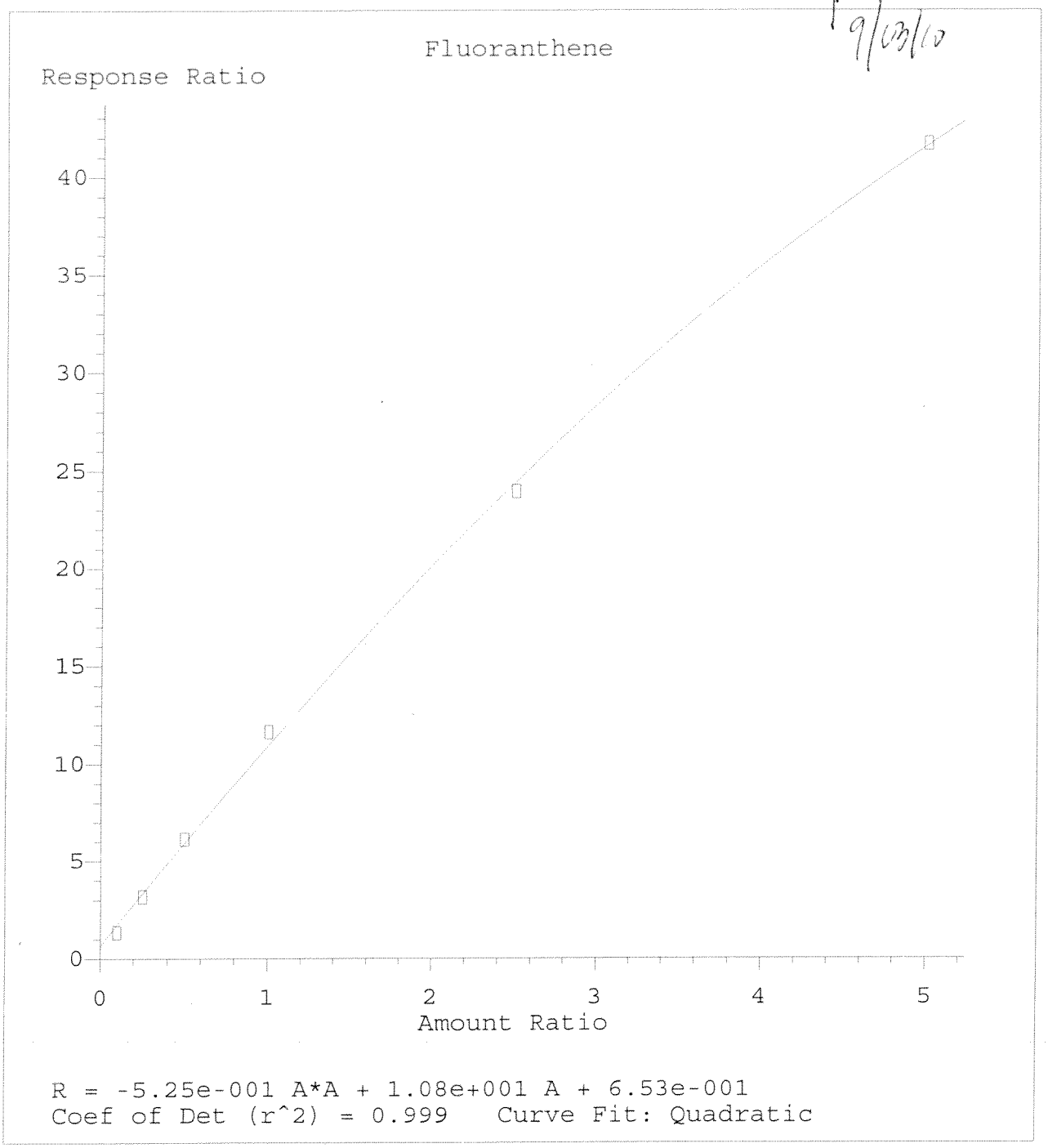
9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:13 2010

S92310

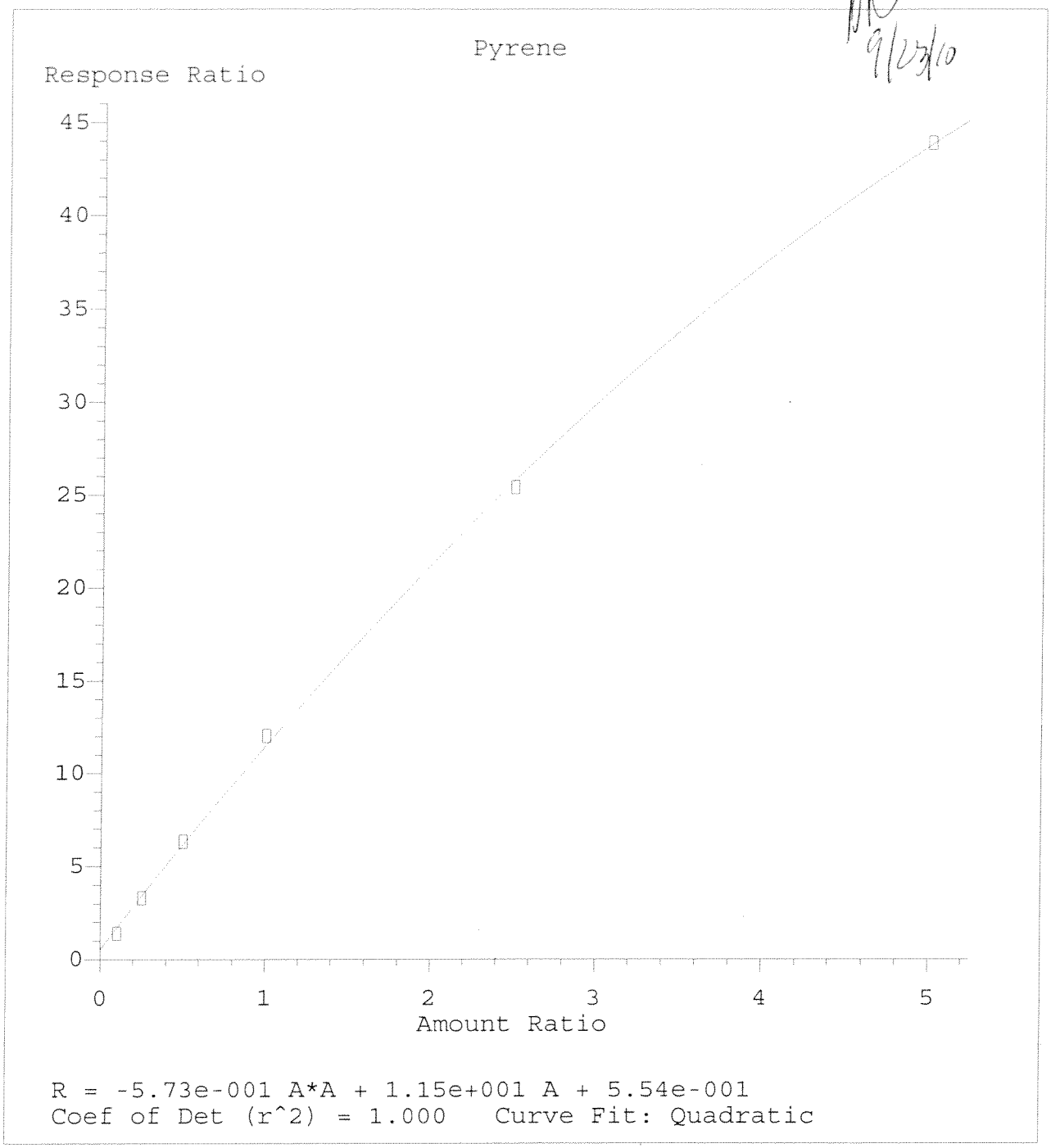
PN 9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:19 2010

SG23W

9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:27 2010

09.23.10

MS AROMATIC
2ND SOURCE
CHECK

Data File Name J35928.D
Sample Name S9716 ARO 20 ICV
Date Acquired 9/22/2010 3:45

PN 9/22/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.22	20	106%	OK
2-Methylnaphthalene	21.96	20	110%	OK
Acenaphthylene	21.04	20	105%	OK
Acenaphthene	21.66	20	108%	OK
Fluorene	21.32	20	107%	OK
Phenanthrene	21.23	20	106%	OK
Anthracene	21.72	20	109%	OK
o-terphenyl	18.42	20	92%	OK
Fluoranthene	21.85	20	109%	OK
Pyrene	20.90	20	104%	OK
Benzo[a]anthracene	18.71	20	94%	OK
Chrysene	19.70	20	99%	OK
Benzo[b] fluoranthene	18.55	20	93%	OK
Benzo[k] fluoranthene	18.92	20	95%	OK
Benzo[a] pyrene	19.32	20	97%	OK
Indeno [1,2,3-cd] pyrene	18.66	20	93%	OK
Dibenz [a,h] anthracene	18.67	20	93%	OK
Benzo(g,h,i) perylene	18.35	20	92%	OK

S923W

9/22/2010 4:03 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARM ICVPRCT.CRT

Method Path : C:\msdchem\1\METHODS\
Method File : ARG092110.M
Title : EPH GC AROMATICS
Last Update : Wed Sep 22 04:48:18 2010
Response Via : Initial Calibration

9/23/10

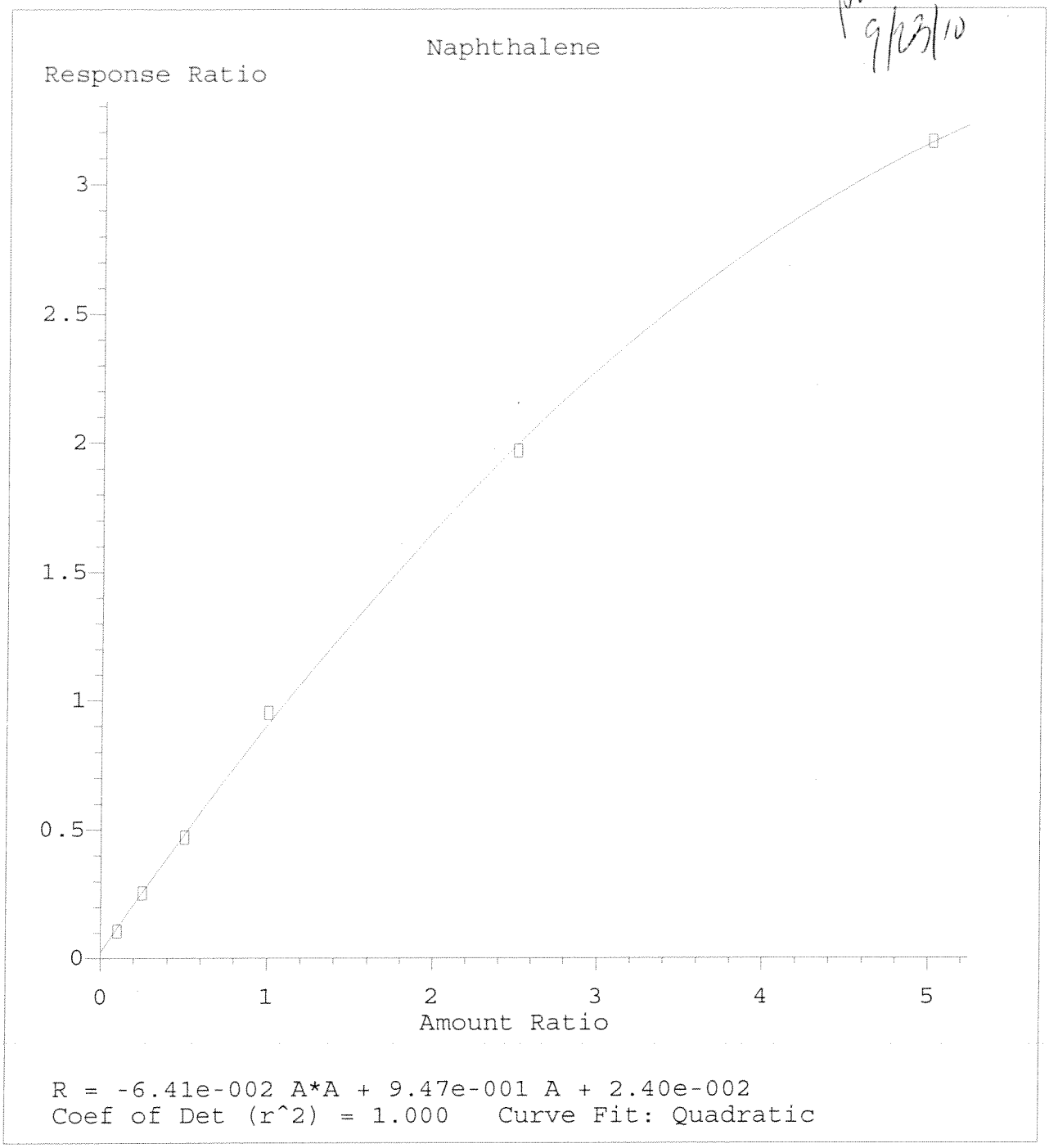
Calibration Files
2 =J35922SI.D 5 =J35923SI.D 10 =J35924SI.D
20 =J35925SI.D 50 =J35926SI.D 100 =J35927SI.D

		Compound	2	5	10	20	50	100	Avg	%RSD
1)	I	5-alpha-Androstane	----------	----------	----------	ISTD	----------	----------	----------	
2)	TZ	Naphthalene	1.061	1.017	0.942	0.951	0.787	0.632	0.898	17.83 Q
3)	TZ	2-Methylnapht...	1.120	1.022	0.966	0.966	0.787	0.635	0.916	19.13
4)	TZ	Acenaphthylene	1.108	1.090	0.996	0.993	0.828	0.674	0.948	17.62
5)	TZ	Acenaphthene	1.401	1.230	1.093	1.065	0.870	0.699	1.060	23.59
6)	TZ	Fluorene	1.296	1.201	1.077	1.089	0.904	0.727	1.049	19.56
7)	TZ	Phenanthrene	1.258	1.241	1.141	1.127	0.916	0.729	1.069	19.30
8)	TZ	Anthracene	1.281	1.221	1.067	1.075	0.851	0.690	1.031	21.70
9)	S	2-Fluorobiphenyl	1.143	1.098	1.017	1.049	0.882	0.727	0.986	15.72
10)	S	2-Bromonaphth...	0.742	0.843	0.800	0.817	0.731	0.608	0.757	11.18
11)	S	o-terphenyl	1.634	1.537	1.366	1.322	1.158	0.946	1.327	18.87 Q
12)	TZ	Fluoranthene	1.500	1.335	1.257	1.217	0.966	0.817	1.182	21.11
13)	TZ	Pyrene	1.428	1.342	1.277	1.250	1.022	0.847	1.194	18.22
14)	TZ	Benzo[a]anthr...	1.170	1.137	1.085	1.079	0.942	0.813	1.038	12.99
15)	TZ	Chrysene	1.250	1.231	1.149	1.119	0.939	0.777	1.078	17.10 Q
16)	TZ	Benzo[b] fluo...	1.143	1.034	0.965	0.969	0.868	0.790	0.961	12.87
17)	TZ	Benzo[k] fluo...	1.132	1.064	1.010	0.968	0.861	0.716	0.959	15.65
18)	TZ	Benzo[a] pyrene	0.964	0.952	0.975	0.969	0.839	0.754	0.909	10.08
19)	TZ	Indeno [1,2,3...	0.794	0.768	0.746	0.768	0.732	0.779	0.765	2.96
20)	TZ	Dibenz [a,h] ...	1.076	0.985	0.920	0.866	0.753	0.495	0.849	24.12 Q
21)	TZ	Benzo(g,h,i)...	0.951	0.959	0.889	0.872	0.804	0.670	0.857	12.58
22)	XH	c11-c22	1.173	1.107	1.033	1.020	0.863	0.720	0.986	✓16.89

(#) = Out of Range

J92310

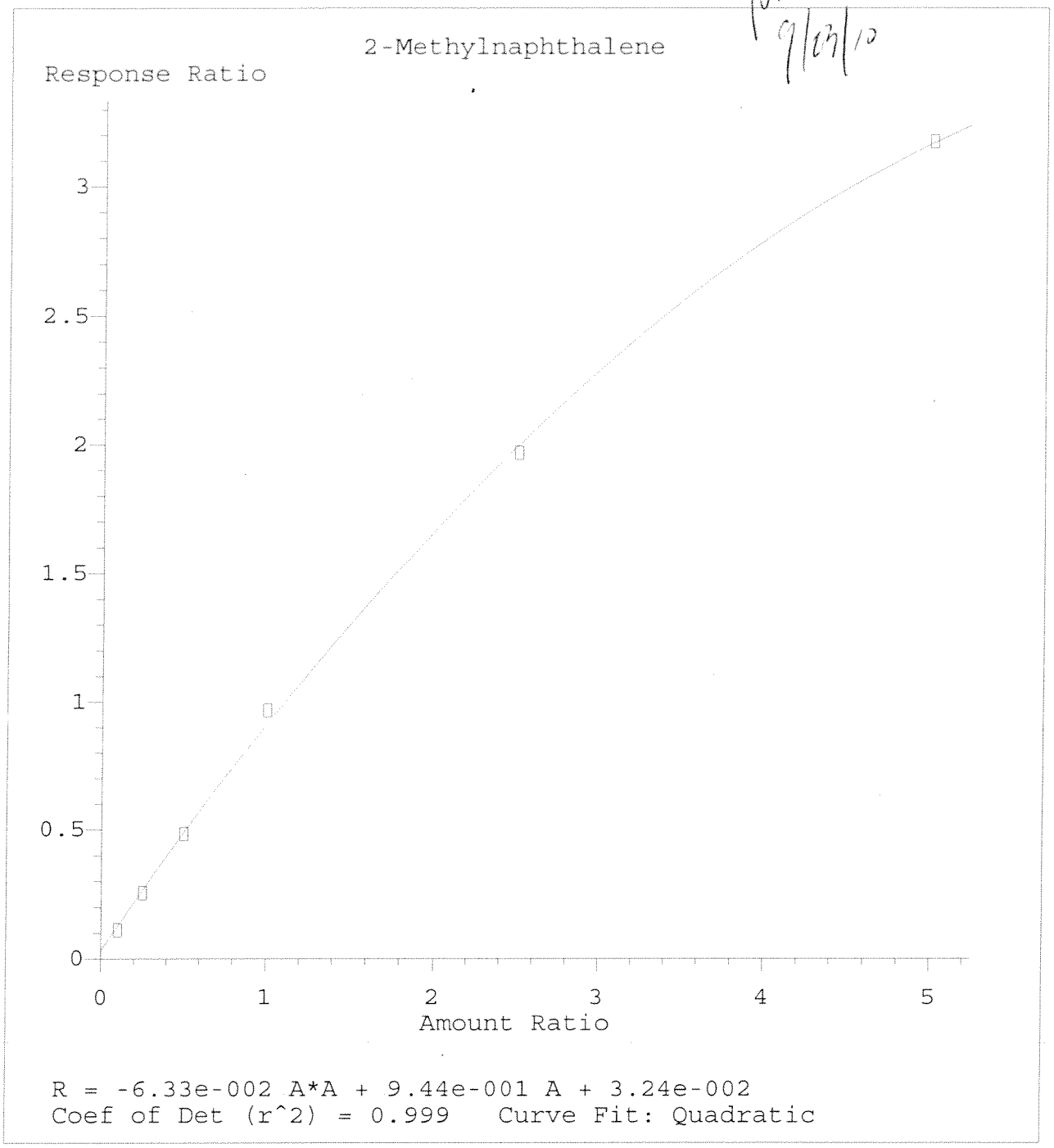
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:40:33 2010

J9230

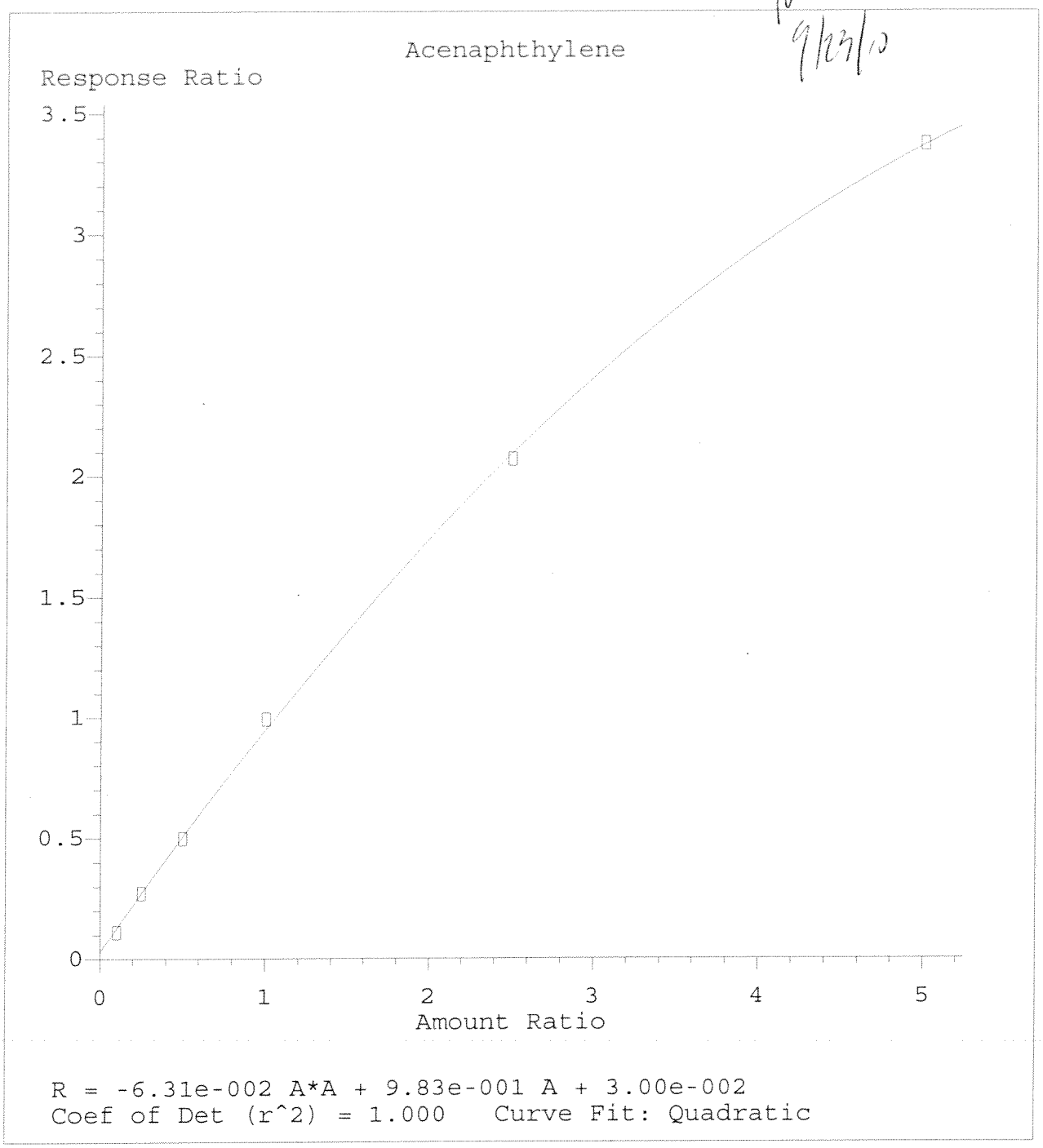
9/27/10



J92310

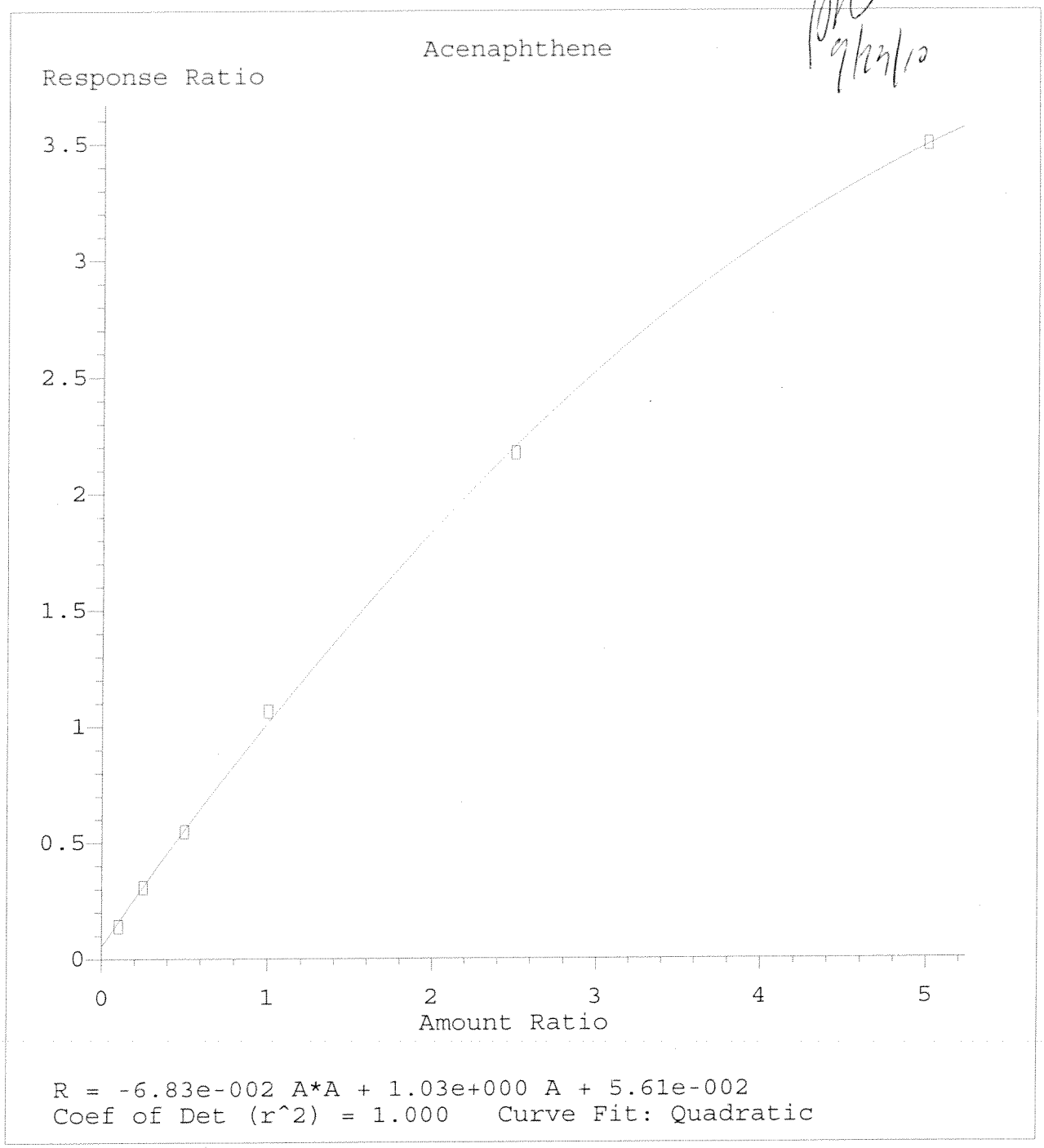
Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:01 2010

9/23/10

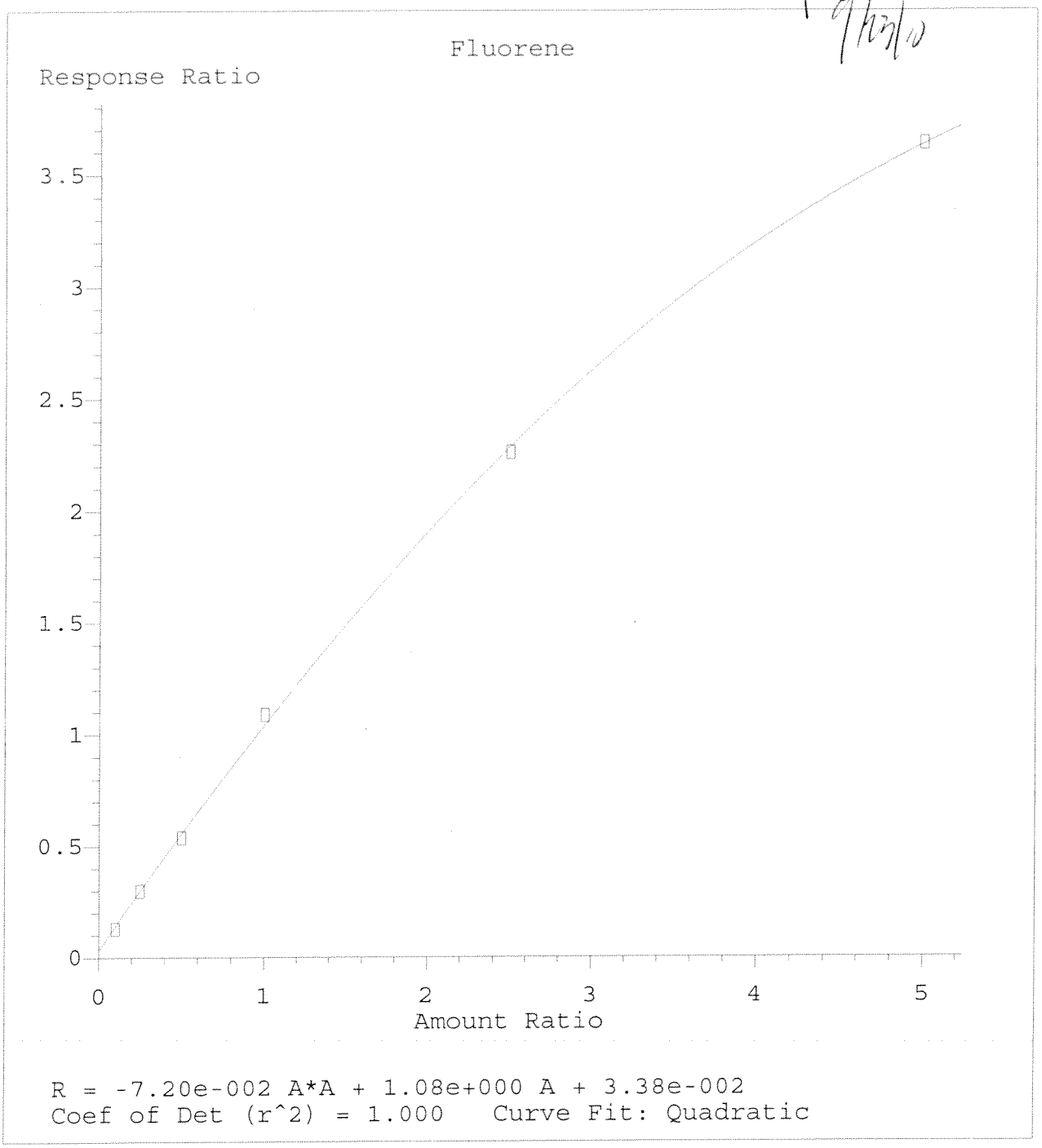


R = -6.31e-002 A*A + 9.83e-001 A + 3.00e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

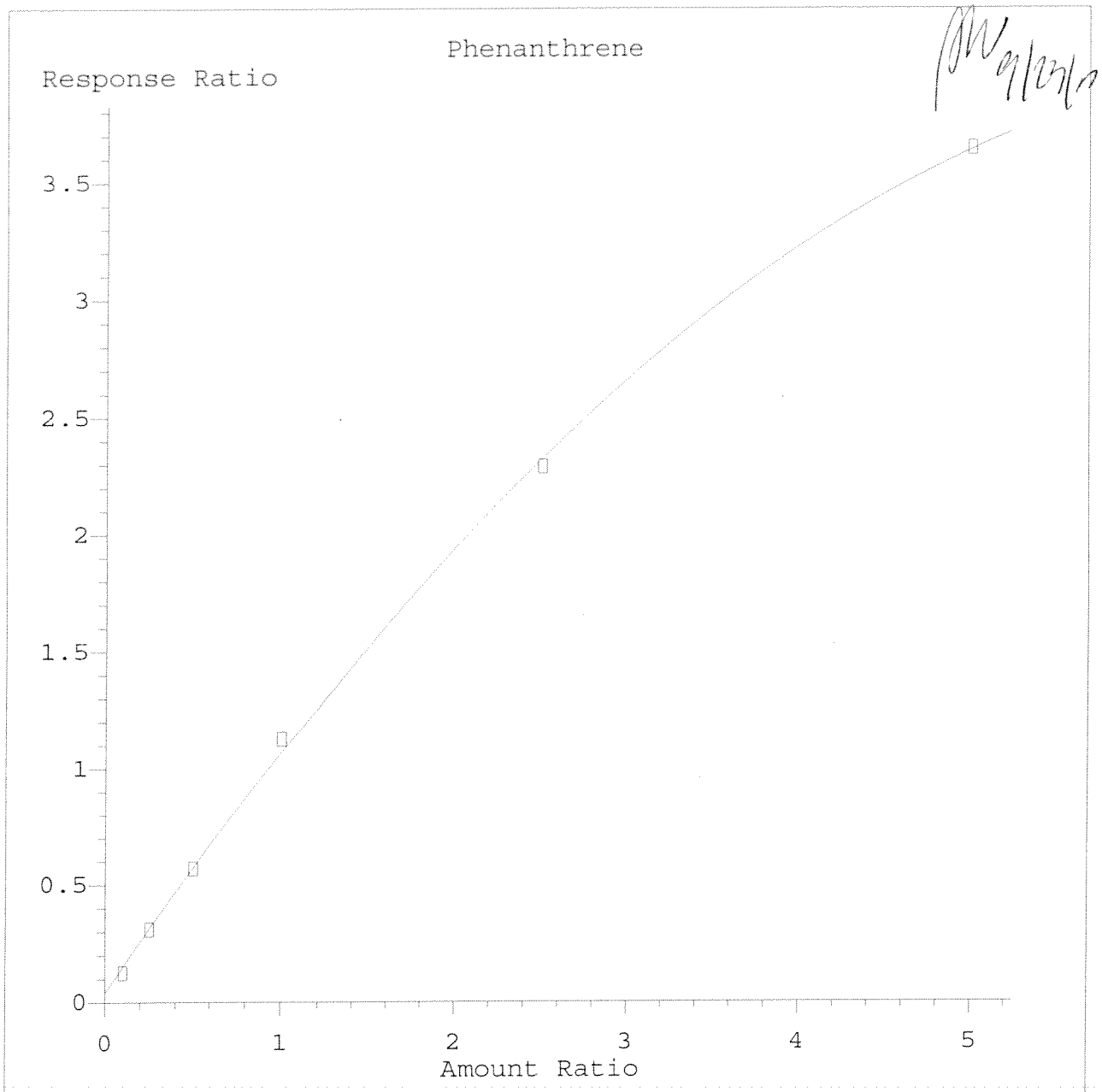
Method Name: C:\msdchem\1\METHODS\ARG092110.M 092310
Calibration Table Last Updated: Wed Sep 22 04:42:07 2010



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:12 2010



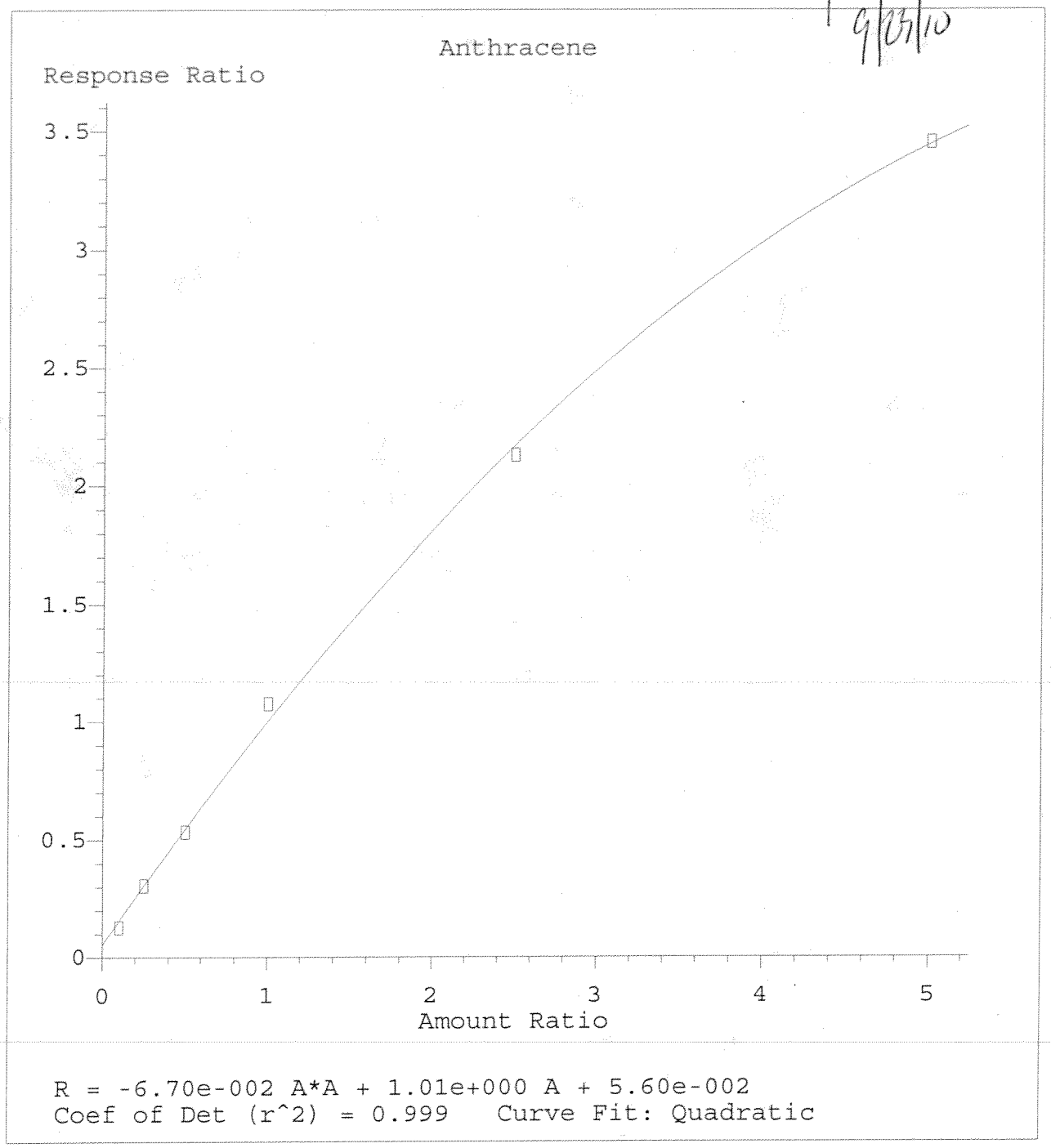
Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:19 2010



R = -7.73e-002 A*A + 1.11e+000 A + 4.06e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:05 2010

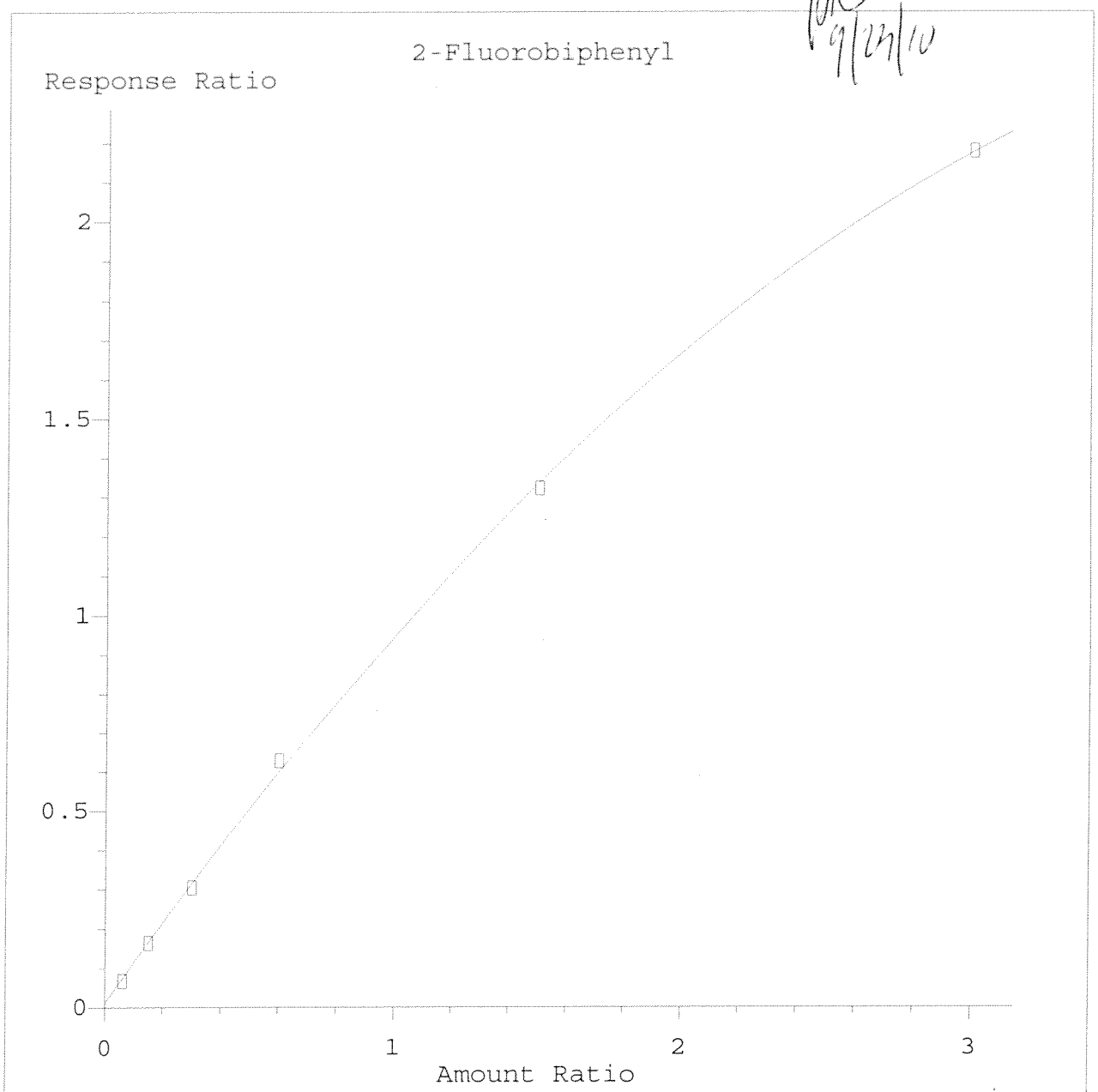
BK 9/23/10



092310

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:11 2010

9/23/10

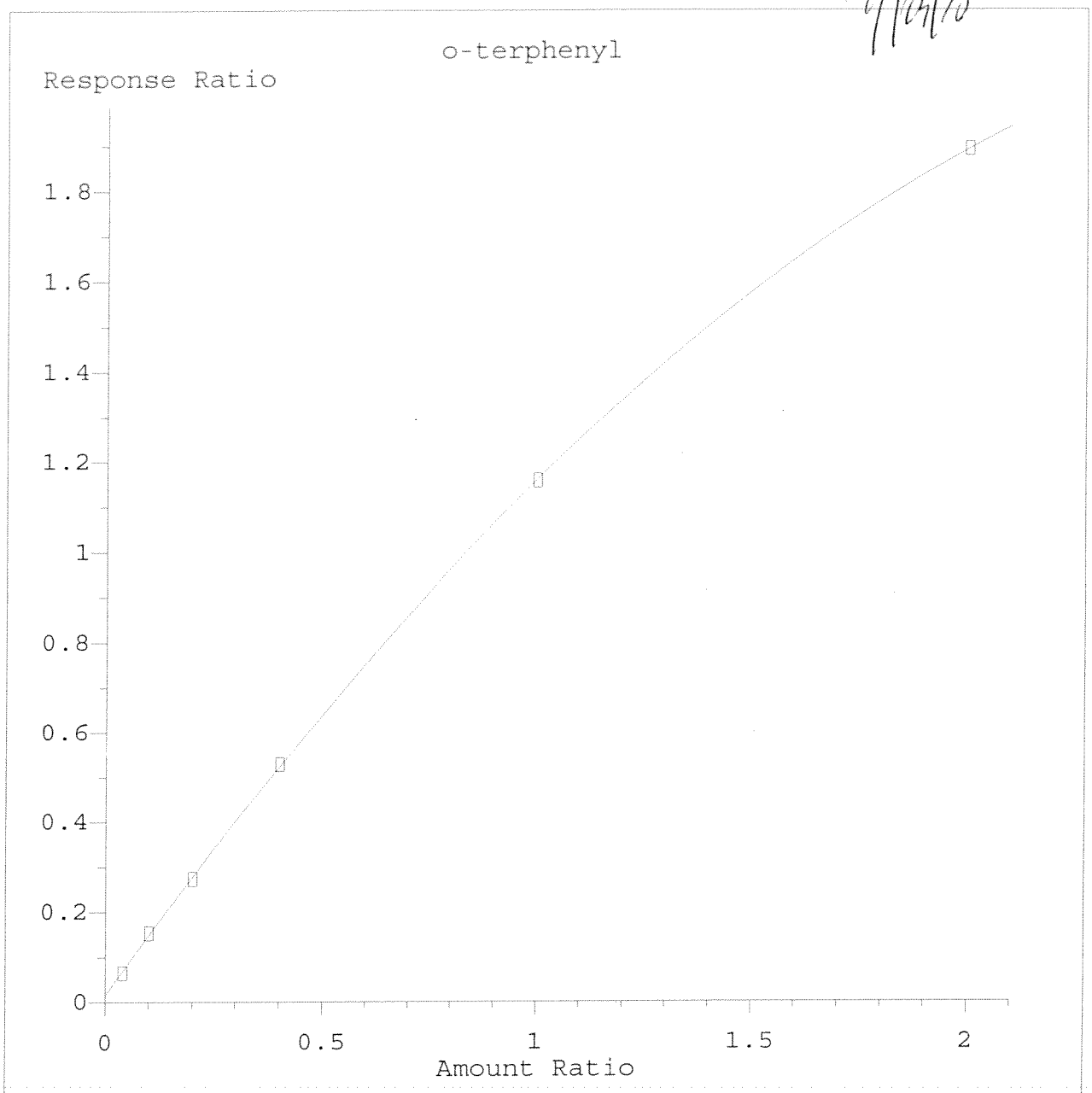


R = -1.08e-001 A*A + 1.04e+000 A + 1.18e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:16 2010

J42310

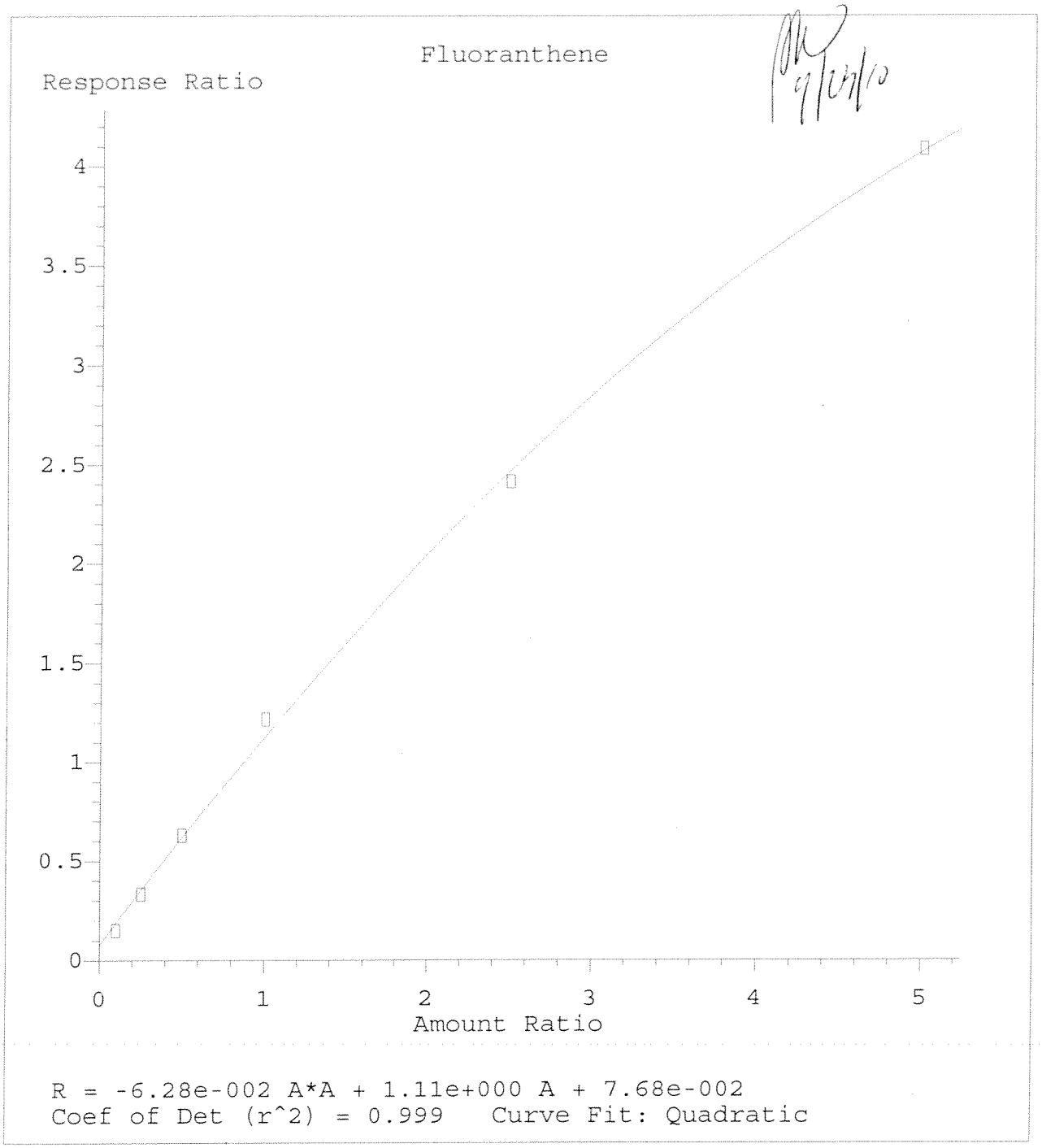
OK
9/23/10



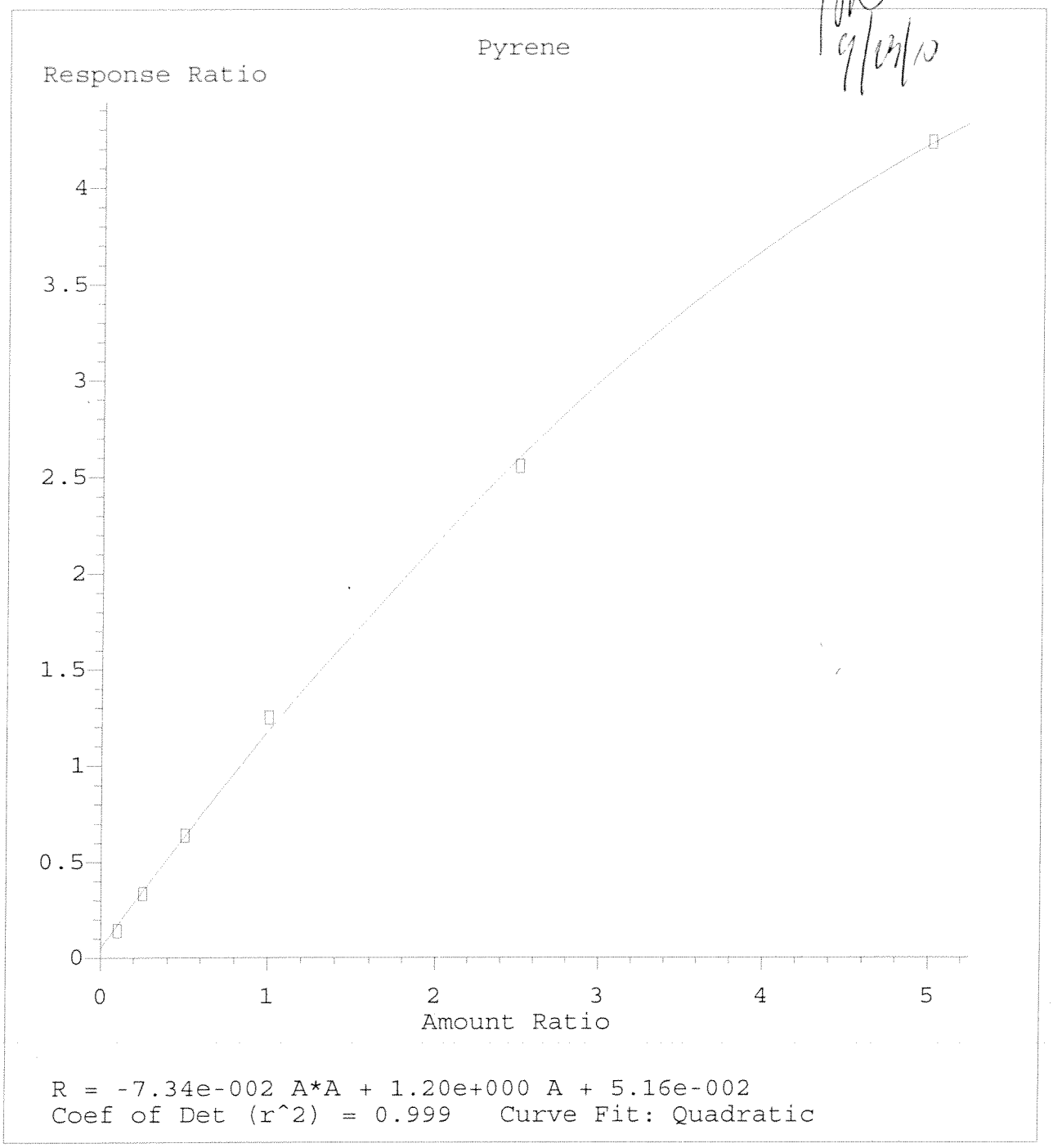
R = -2.07e-001 A*A + 1.35e+000 A + 1.56e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:21 2010

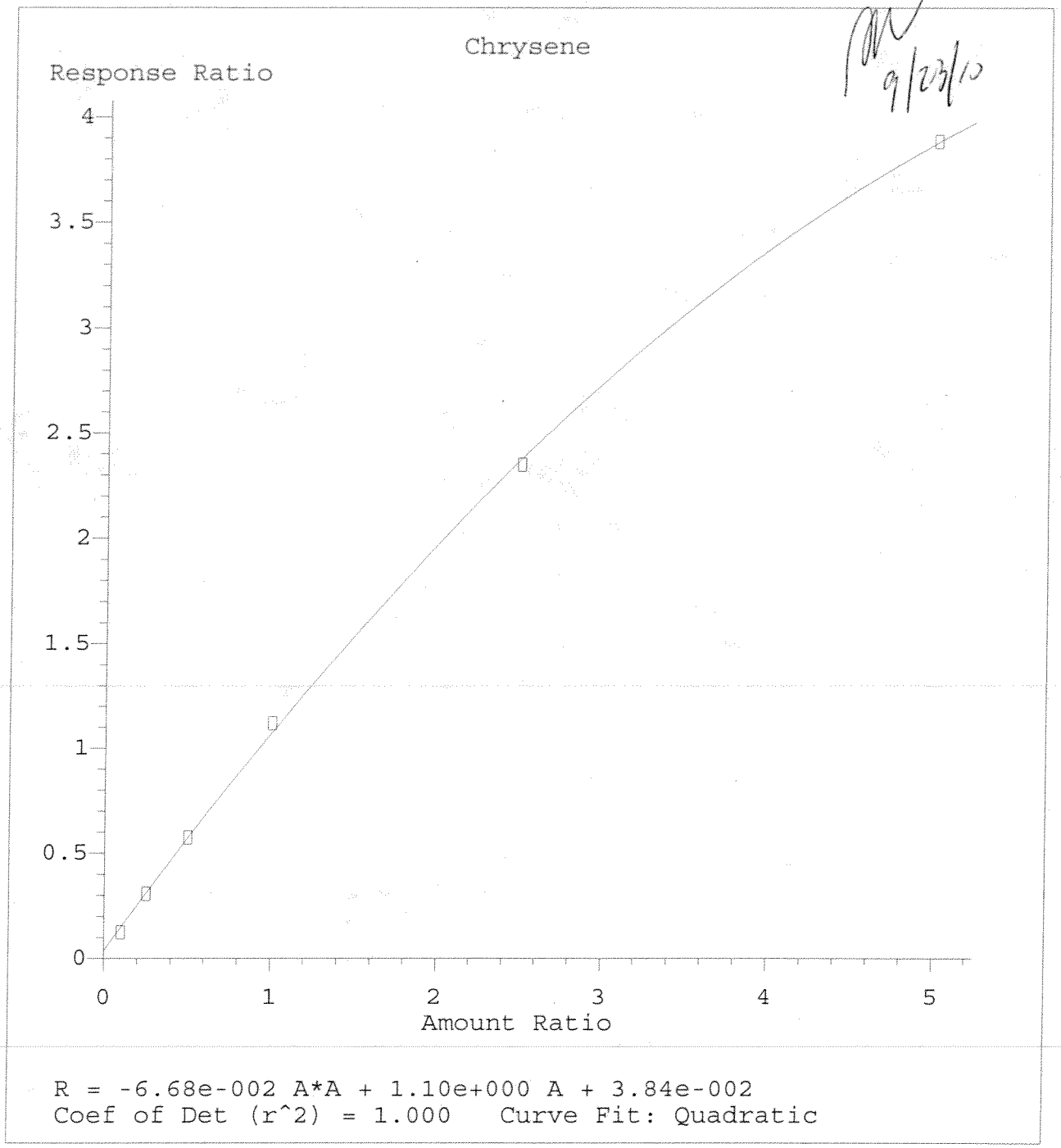
JS 9230



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:28 2010



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:32 2010

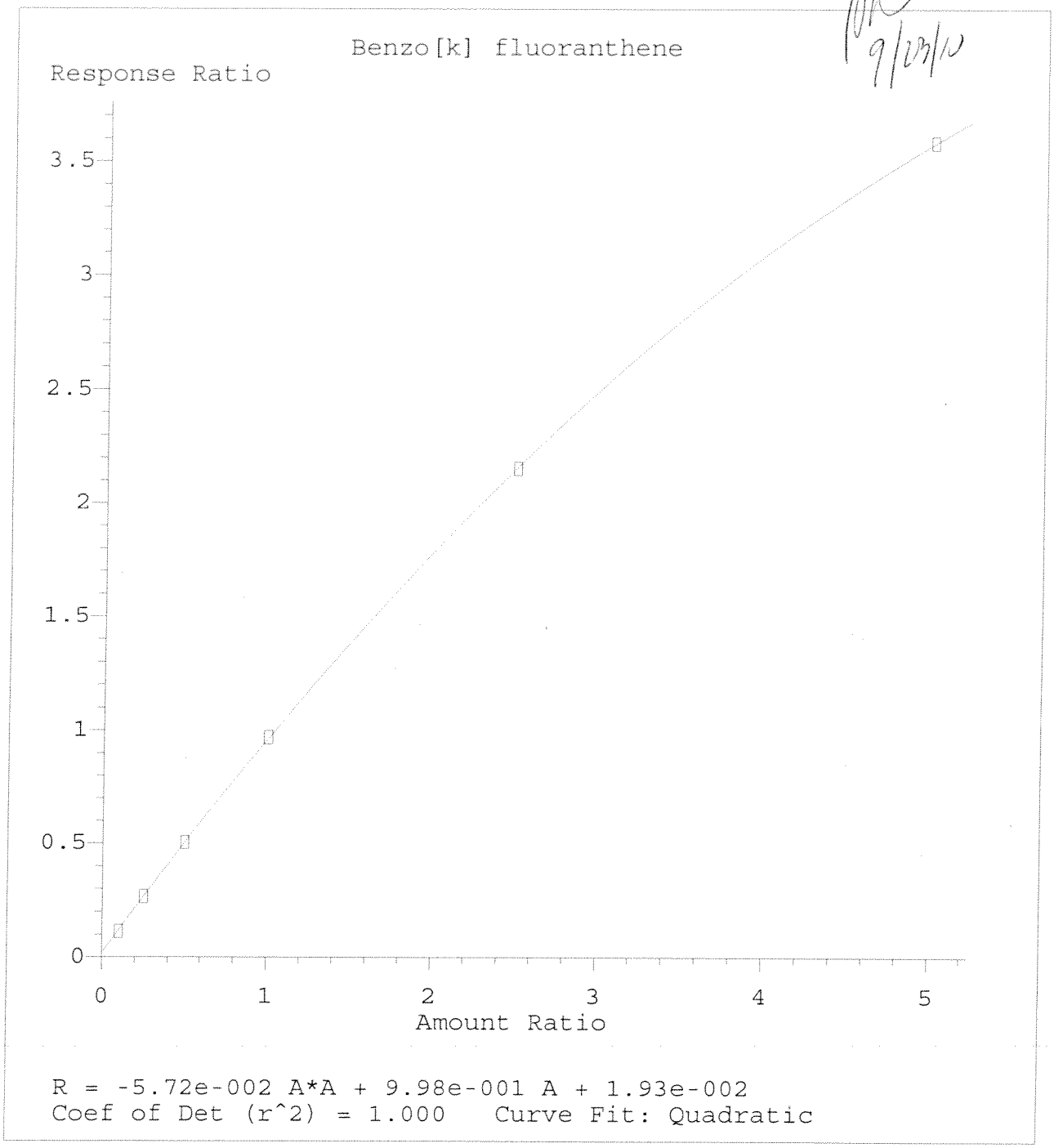


9/23/10

S923W

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:37 2010

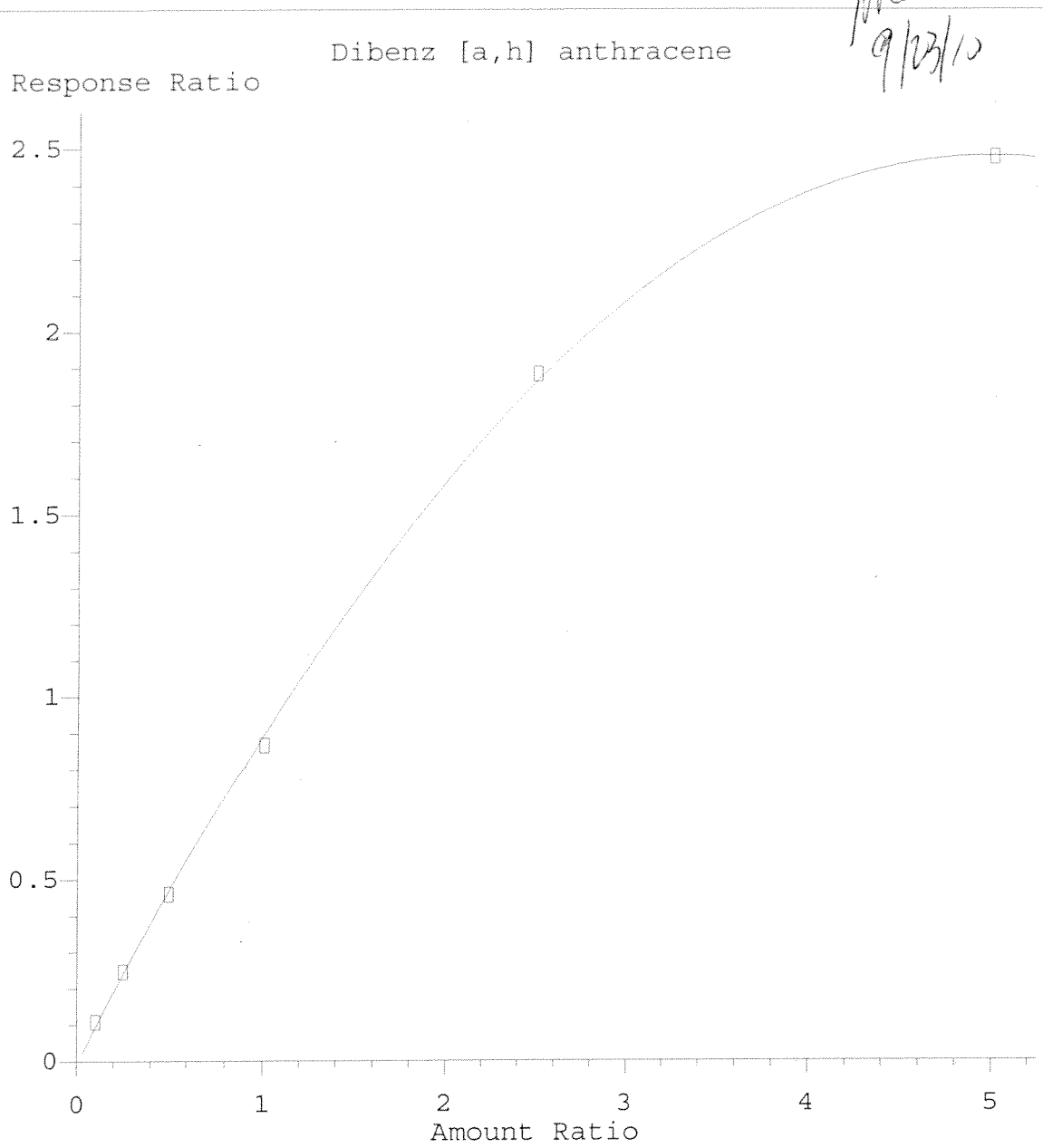
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:46 2010

J92310

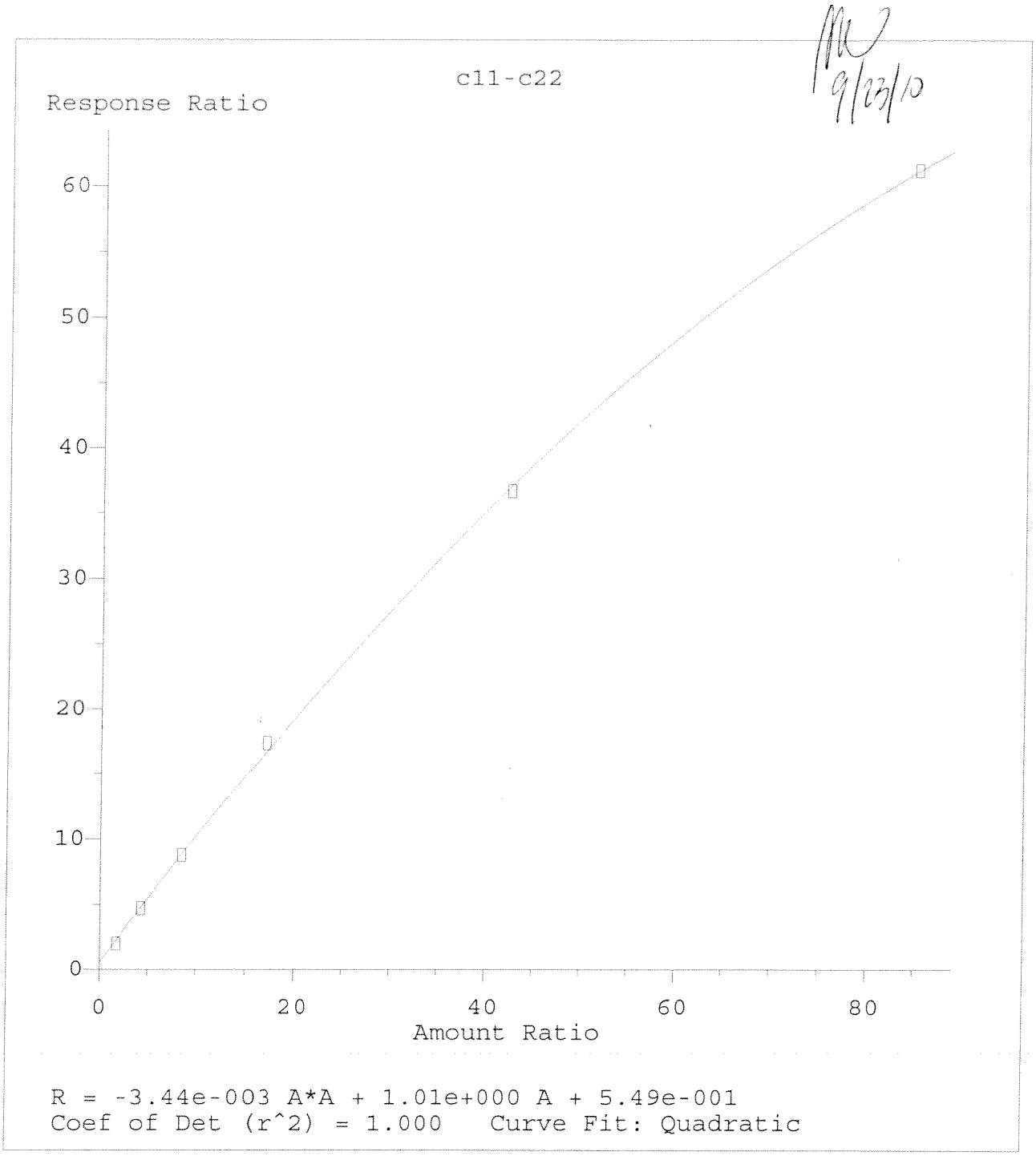
9/23/10



R = -1.00e-001 A*A + 9.99e-001 A - 5.08e-003
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:54 2010

592360



9/23/10

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:44:05 2010

592300

MN 9/23/10

GC AROMATIC
2ND SOURCE
CHECK

Data File Name J35928.D
Sample Name S9716 ARO 20 ICV
Date Acquired 9/22/2010 3:45

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.46	20	107%	OK	21.46		
2-Methylnaphthalene	21.56	20	108%	OK	21.56		
Acenaphthylene	21.17	20	106%	OK	21.17		
Acenaphthene	21.39	20	107%	OK	21.39		
Fluorene	20.86	20	104%	OK	20.86		
Phenanthrene	21.30	20	106%	OK	21.30		
Anthracene	21.91	20	110%	OK	21.91		
Fluoranthene	21.69	20	108%	OK	21.69		
Pyrene	20.58	20	103%	OK	20.58		
Benzo[a]anthracene	19.20	20	96%	OK	19.20		
Chrysene	20.15	20	101%	OK	20.15		
Benzo[b] fluoranthene	18.40	20	92%	OK	18.40		
Benzo[k] fluoranthene	19.22	20	96%	OK	19.22		
Benzo[a] pyrene	20.16	20	101%	OK	20.16		
Indeno [1,2,3-cd] pyrene	18.29	20	91%	OK	18.29		
Dibenz [a,h] anthracene	18.00	20	90%	OK	18.00		
Benzo(g,h,i) perylene	18.60	20	93%	OK	18.60		
c11-c22		340			**343.92**	101%	OK
o-terphenyl	20.23	20	101%	OK			

092310

9/22/2010 4:49 AM

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67835
Standard ID: S10042 ALI 40
Data File ID: D71766SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.5	1.3	
C-10	40.4	1.1	
C-12	39.5	1.2	
C-14	36.9	7.8	
C-16	38.8	2.9	
C-18	37.1	7.1	
C-19	36.8	8.0	
C-20	38.7	3.2	
1-Chlorooctadecane	16.4	2.2	
C-22	37.4	6.6	
C-24	36.9	7.8	
C-26	38.7	3.2	
C-28	38.1	4.8	
C-30	39.0	2.5	
C-36	39.6	1.0	

C9-C18 Aliphatics	233.3	2.8	
C19-C36 Aliphatics	305.2	4.6	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67835
Standard ID: S10042 ALI 40
Data File ID: D71781SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	36.9	7.8	
C-10	37.9	5.3	
C-12	35.2	11.9	
C-14	37.3	6.8	
C-16	36.8	7.9	
C-18	37.2	7.1	
C-19	36.7	8.3	
C-20	37.5	6.1	
1-Chlorooctadecane	15.9	0.5	
C-22	37.1	7.2	
C-24	37.1	7.2	
C-26	36.8	8.0	
C-28	38.1	4.7	
C-30	40.5	1.3	
C-36	43.1	7.7	

C9-C18 Aliphatics	221.3	7.8	
C19-C36 Aliphatics	306.9	4.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71782SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.2	6.9	
C-10	37.0	7.6	
C-12	36.2	9.5	
C-14	35.5	11.2	
C-16	37.4	6.5	
C-18	36.6	8.5	
C-19	36.8	8.0	
C-20	37.0	7.5	
1-Chlorooctadecane	15.6	2.3	
C-22	35.5	11.2	
C-24	36.9	7.8	
C-26	36.9	7.7	
C-28	37.3	6.7	
C-30	38.9	2.6	
C-36	44.4	11.0	

C9-C18 Aliphatics	219.9	8.4	
C19-C36 Aliphatics	303.8	5.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/22/10

EPH ALI FORM 7

EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

J92210

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: J35962SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.6	3.1	
2-Methylnaphthalene	21.6	7.8	
Acenaphthylene	21.2	6.0	
Acenaphthene	21.1	5.6	
Fluorene	21.6	8.2	
Phenanthrene	21.4	7.1	
Anthracene	21.6	8.2	
2-Fluorobiphenyl	12.5	4.4	
2-Bromonaphthalene	12.7	6.1	
o-terphenyl	8.4	4.8	
Fluoranthene	22.4	12.0	
Pyrene	22.0	9.9	
Benzo[a]anthracene	21.8	8.8	
Chrysene	21.4	6.8	
Benzo[b] fluoranthene	21.5	7.4	
Benzo[k] fluoranthene	21.6	8.1	
Benzo[a] pyrene	21.6	7.8	
Indeno [1,2,3-cd] pyrene	21.3	6.3	
Dibenz [a,h] anthracene	21.2	5.9	
Benzo(g,h,i) perylene	21.3	6.4	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/23/10

EPH ARO FORM 7

GC AROMATIC
CONT CALIBRATION
CHECK

Data File Name J35962SC.D
Sample Name S10041 ARO 20
Date Acquired 9/22/2010 16:44

Name	Amount	UG/L EXPECTED	% DIFFERENCE	LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.36	20	2	20	OK	20.36		
2-Methylnaphthalene	20.94	20	5	20	OK	20.94		
Acenaphthylene	20.88	20	4	20	OK	20.88		
Acenaphthene	21.40	20	7	20	OK	21.40		
Fluorene	21.18	20	6	20	OK	21.18		
Phenanthrene	21.14	20	6	20	OK	21.14		
Anthracene	21.71	20	9	20	OK	21.71		
Fluoranthene	21.74	20	9	20	OK	21.74		
Pyrene	21.40	20	7	20	OK	21.40		
Benzo[a]anthracene	21.46	20	7	20	OK	21.46		
Chrysene	21.95	20	10	20	OK	21.95		
Benzo[b] fluoranthene	20.44	20	2	20	OK	20.44		
Benzo[k] fluoranthene	21.29	20	6	20	OK	21.29		
Benzo[a] pyrene	21.75	20	9	20	OK	21.75		
Indeno [1,2,3-cd] pyrene	20.08	20	0	20	OK	20.08		
Dibenz [a,h] anthracene	19.76	20	1	20	OK	19.76		
Benzo(g,h,i) perylene	20.97	20	5	20	OK	20.97		
c11-c22		340				**358.47**	105%	OK

9/23/10

9/23/2010 2:31 AM

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: J35989SC.D

MV 9/23/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.2	0.8	
2-Methylnaphthalene	20.8	3.9	
Acenaphthylene	20.6	3.2	
Acenaphthene	20.4	2.1	
Fluorene	21.0	4.9	
Phenanthrene	20.7	3.5	
Anthracene	21.2	5.8	
2-Fluorobiphenyl	12.1	0.9	
2-Bromonaphthalene	12.1	0.4	
o-terphenyl	8.1	1.6	
Fluoranthene	21.5	7.4	
Pyrene	21.3	6.4	
Benzo[a]anthracene	20.3	1.6	
Chrysene	20.5	2.7	
Benzo[b] fluoranthene	20.2	0.9	
Benzo[k] fluoranthene	20.9	4.7	
Benzo[a] pyrene	20.4	2.2	
Indeno [1,2,3-cd] pyrene	20.1	0.7	
Dibenz [a,h] anthracene	20.3	1.4	
Benzo(g,h,i) perylene	20.1	0.6	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

J92360

EPH ARO FORM 7

PM 9/23/10

GC AROMATIC CLOSING CONT CALIBRATION CHECK

Data File Name J35989SC.D
Sample Name S10041 ARO 20
Date Acquired 9/23/2010 3:27

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 4 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.33	20	2	20	OK	20.33		
2-Methylnaphthalene	20.67	20	3	20	OK	20.67		
Acenaphthylene	20.60	20	3	20	OK	20.60		
Acenaphthene	21.20	20	6	20	OK	21.20		
Fluorene	20.87	20	4	20	OK	20.87		
Phenanthrene	20.67	20	3	20	OK	20.67		
Anthracene	21.00	20	5	20	OK	21.00		
Fluoranthene	21.36	20	7	20	OK	21.36		
Pyrene	21.02	20	5	20	OK	21.02		
Benzo[a]anthracene	20.57	20	3	20	OK	20.57		
Chrysene	21.68	20	8	20	OK	21.68		
Benzo[b] fluoranthene	20.11	20	1	20	OK	20.11		
Benzo[k] fluoranthene	21.05	20	5	20	OK	21.05		
Benzo[a] pyrene	20.77	20	4	20	OK	20.77		
Indeno [1,2,3-cd] pyrene	19.40	20	3	20	OK	19.40		
Dibenz [a,h] anthracene	19.37	20	3	20	OK	19.37		
Benzo(g,h,i) perylene	20.06	20	0	20	OK	20.06		
c11-c22		340				**350.72**	103%	OK

J92340

9/23/2010 4:15 AM

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

PM 9/23/10

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: J35990SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.9	4.6	
2-Methylnaphthalene	21.2	5.9	
Acenaphthylene	21.2	5.9	
Acenaphthene	21.1	5.5	
Fluorene	21.6	8.1	
Phenanthrene	21.2	5.8	
Anthracene	21.6	8.2	
2-Fluorobiphenyl	12.6	4.9	
2-Bromonaphthalene	12.5	4.5	
o-terphenyl	8.4	4.5	
Fluoranthene	21.9	9.5	
Pyrene	21.3	6.3	
Benzo[a]anthracene	20.8	3.8	
Chrysene	20.9	4.6	
Benzo[b] fluoranthene	20.8	3.9	
Benzo[k] fluoranthene	21.5	7.6	
Benzo[a] pyrene	21.1	5.3	
Indeno [1,2,3-cd] pyrene	20.7	3.3	
Dibenz [a,h] anthracene	20.7	3.4	
Benzo(g,h,i) perylene	20.6	2.9	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

J92310

9/23/10

GC AROMATIC CLOSING CONT CALIBRATION CHECK

Data File Name J35990SC.D
Sample Name S10041 ARO 20
Date Acquired 9/23/2010 3:49

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 4 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.67	20	3	20	OK	20.67		
2-Methylnaphthalene	20.91	20	5	20	OK	20.91		
Acenaphthylene	21.00	20	5	20	OK	21.00		
Acenaphthene	21.53	20	8	20	OK	21.53		
Fluorene	21.03	20	5	20	OK	21.03		
Phenanthrene	20.94	20	5	20	OK	20.94		
Anthracene	21.38	20	7	20	OK	21.38		
Fluoranthene	21.31	20	7	20	OK	21.31		
Pyrene	20.83	20	4	20	OK	20.83		
Benzo[a]anthracene	20.69	20	3	20	OK	20.69		
Chrysene	21.46	20	7	20	OK	21.46		
Benzo[b] fluoranthene	20.24	20	1	20	OK	20.24		
Benzo[k] fluoranthene	21.14	20	6	20	OK	21.14		
Benzo[a] pyrene	21.16	20	6	20	OK	21.16		
Indeno [1,2,3-cd] pyrene	19.82	20	1	20	OK	19.82		
Dibenz [a,h] anthracene	20.29	20	1	20	OK	20.29		
Benzo(g,h,i) perylene	20.45	20	2	20	OK	20.45		
c11-c22		340				**354.87**	104%	OK

J92310

9/23/2010 4:15 AM

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG: 67835
Standard ID: S10042 ALI 40
Data File ID: D71802SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	39.6	1.1	
C-10	40.7	1.8	
C-12	38.6	3.6	
C-14	37.9	5.3	
C-16	38.0	5.1	
C-18	38.8	3.0	
C-19	36.9	7.7	
C-20	36.8	8.0	
1-Chlorooctadecane	16.2	1.1	
C-22	38.2	4.6	
C-24	37.2	7.1	
C-26	37.5	6.2	
C-28	37.9	5.2	
C-30	38.8	2.9	
C-36	41.4	3.5	

C9-C18 Aliphatics	233.5	2.7	
C19-C36 Aliphatics	304.8	4.8	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

EPH ALI FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

342310

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71815SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.6	5.9	
C-10	39.0	2.5	
C-12	37.7	5.6	
C-14	37.5	6.2	
C-16	38.4	4.0	
C-18	37.6	6.1	
C-19	36.9	7.8	
C-20	37.6	6.1	
1-Chlorooctadecane	16.2	1.2	
C-22	38.3	4.2	
C-24	38.1	4.8	
C-26	39.5	1.3	
C-28	41.6	4.0	
C-30	40.8	1.9	
C-36	44.9	12.3	

C9-C18 Aliphatics	227.9	5.0	
C19-C36 Aliphatics	317.6	0.8	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/23/10

EPH ALI FORM 7

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

54236

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71816SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	38.4	3.9	
C-10	40.2	0.4	
C-12	38.9	2.6	
C-14	37.5	6.3	
C-16	36.8	7.9	
C-18	37.1	7.3	
C-19	37.1	7.2	
C-20	36.2	9.4	
1-Chlorooctadecane	15.8	1.0	
C-22	37.1	7.2	
C-24	37.8	5.4	
C-26	36.7	8.2	
C-28	39.8	0.4	
C-30	41.2	3.0	
C-36	44.0	10.0	

C9-C18 Aliphatics	229.0	4.6	
C19-C36 Aliphatics	310.1	3.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

JON 9/03/10

EPH ALI FORM 7

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	6995120		11.02	
Upper Limit	13990240		11.08	
Lower limit	3497560		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9700 ALI 5	6392680		11.02	
S9701 ALI 10	6336220		11.02	
S9702 ALI 20	7097680		11.02	
S9704 ALI 50	6719900		11.02	
S9705 ALI 100	6944560		11.02	
S9715 ALI 20 ICV	6985250		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67835

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	102381		7.96	
Upper Limit	204762		8.02	
Lower limit	51191		7.90	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	102821		7.97	
S9707 ARO 5	106433		7.97	
S9708 ARO 10	108670		7.96	
S9710 ARO 50	108242		7.97	
S9711 ARO 100	96457		7.97	
S9716 ARO 20 ICV	105542		7.97	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D SDG: 67835
GC Column: RTX-5ms
Column ID: 0.25 mm

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6035930		10.78	
Upper Limit	12071860		10.84	
Lower limit	3017965		10.72	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	6116530		10.78	
B092010EASE2	5270070		10.78	
L092010EASE2	5378240		10.78	
LD092010EASE2	5609740		10.78	
S10042 ALI 40	6555090		10.78	
S10042 ALI 40	6791190		10.78	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67835

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	99428		7.97	
Upper Limit	198856		8.03	
Lower limit	49714		7.91	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	96698		7.97	
B092010EASE2	87057		7.96	
L092010EASE2	83204		7.96	
LD092010EASE2	82032		7.96	
L092010EASE2	98847		7.97	
LD092010EASE2	99457		7.97	
67835-1	86529		7.96	
67835-2	83205		7.96	
67835-3	83136		7.96	
67835-4	82594		7.96	
67835-5	93619		7.96	
67835-6	98132		7.96	
67835-6,MS	83950		7.96	
67835-6,MSD	81672		7.96	
S10041 ARO 20	100074		7.96	
S10041 ARO 20	98679		7.96	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6579930		10.78	
Upper Limit	13159860		10.84	
Lower limit	3289965		10.72	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID					
HEXANE W/IS	6092830		10.78		
B092010EASE2,RR2	5615890		10.78		
67835-1	5188630		10.78		
67835-2	5137940		10.78		
67835-3	5436300		10.78		
67835-4	5144120		10.78		
67835-5	5311100		10.78		
67835-6	5078440		10.77		
67835-6,MS	4914300		10.77		
67835-6,MSD	5216640		10.77		
S10042 ALI 40	6497710		10.77		67834-5
S10042 ALI 40	6638790		10.77		67834-6

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

EXTRACTION
LOGBOOK PAGES

Prep Home

A

Transfer Date: 9/21/10

Initials: EB

EXTRACT TRANSFER SHEET

Extractable Petroleum

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	F Volu
67834-5	EPHASE	09/20/10	Solid		15.30	
67834-6	EPHASE	09/20/10	Solid		15.45	
67834-15	EPHASE	09/20/10	Solid		15.18	
67834-16	EPHASE	09/20/10	Solid		15.09	
67834-17	EPHASE	09/20/10	Solid		15.52	
67834-18	EPHASE	09/20/10	Solid		15.47	
67835-1	EPHASE	09/20/10	Solid		15.50	
67835-2	EPHASE	09/20/10	Solid		15.14	
67835-3	EPHASE	09/20/10	Solid		15.10	
67835-4	EPHASE	09/20/10	Solid		15.72	
67835-5	EPHASE	09/20/10	Solid		15.34	
67835-6	EPHASE	09/20/10	Solid		15.63	

Extractable Petroleum Hydrocarbons Solid Preparation Logbook

Circle Method Reference: ~~SW-846 3550B Sonication~~
SW-846 3545 Accelerated Solvent Extraction (ASE)
~~MADEP 98-EPH~~

Date: 9.20.10 Time: 11:30 pm
Initials: SC

QC Batch ID: QP-092010-3-SC
Prep. Batch ID: PP-092010-3-SC

Sample #	Matrix	Weight (g)	1 mL Surrogate	2 mL Spike	Cook Down Date	Turbo Vap# (10mL)	3 mL Frac. Sur	F.V Before Frac.in C6	Volumetric Serial #	Ali. Vol. C6	Volumetric Serial #	Aro. Vol. MeCl2	Volumetric Serial #	Fractiontion Date	Turbo Vap # Ali (1mL)	Aro
B092010Rease2	Na2SO4	15.00	1.0	—	9.21.10	4	1.0 EB	10mL	4003	1ml	1680	1ml	1710	9.21.10	4	2
L092010Rease2	Si sand	15.94	1.0	1.0	EB		1.0									
LD092010Rease2		15.88	1.0	1.0			1.0									1
67835-1	sand/rocks	15.50	1.0	—			1.0								4	1
-2	wet sand	15.14	1.0	—			1.0									
-3	sand	15.10	1.0	—			1.0									
-4		15.72	1.0	—			1.0									
-5		15.34	1.0	—			1.0									
-6		15.63	1.0	—			1.0									2
-6,MS		15.72	1.0	1.0			1.0								4	1
-6,MSD		15.49	1.0	1.0			1.0									
67834-1	Sand	15.73	1.0	—			1.0									
-2		15.10	1.0	—			1.0									
-3		15.59	1.0	—			1.0									
-4		15.57	1.0	—			1.0									2
-5		15.30	1.0	—			1.0								4	1
-6		15.45	1.0	—			1.0									
-15		15.18	1.0	—			1.0									
-15,MS		15.11	1.0	1.0			1.0									
-15,MSD		15.30	1.0	1.0			1.0									
-16		15.09	1.0	—			1.0									2
-17		15.52	1.0	—			1.0								4	
-18		15.47	1.0	—			1.0									

EB 9.21.10

/EB 9.21.10

AEL_Documents:_TopLevelOldServer:AEL Documents LLC:logbooks:PREP LOGBOOKS.xls

Rev 2 10/09/09

VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: LB092801
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	**1.3 J**	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	U	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	101 %	d8-Toluene	100 %	Bromofluorobenzen	100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44020B.D Vial: 9
Acq On : 28 Sep 2010 11:23 am Operator: MT
Sample : LB09280I Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	113092	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	7.95	114	209787 ✓	20.00	ug/L	0.02
63) *d5-Chlorobenzene	12.58	117	179781 ✓	20.00	ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.39	152	77571	20.00	ug/L	0.01

System Monitoring Compounds						
28) DB HOLDER #28	7.32	65	97387	20.15	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.75% ✓			
36) d4-1,2-Dichloroethane	7.32	65	97387	20.15	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.75% ✓			
54) d8-Toluene	10.24	98	224994	19.95	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.75% ✓			
73) Bromofluorobenzene	14.51	95	92239	20.09	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.45% ✓			

Target Compounds						Qvalue
5) Bromomethane	2.17	94	2231	~~0.95~~	ug/L	88
M 14) Methyl iodide	3.58	142	5399 J/D	1.30	ug/L	97
~~16)~~ Methylene Chloride	3.85	84	12076	~~Below~~	Cal	93
~~96)~~ Naphthalene	20.13	128	2044 MJ CO	~~1.08~~	ug/L	85

9/29/10

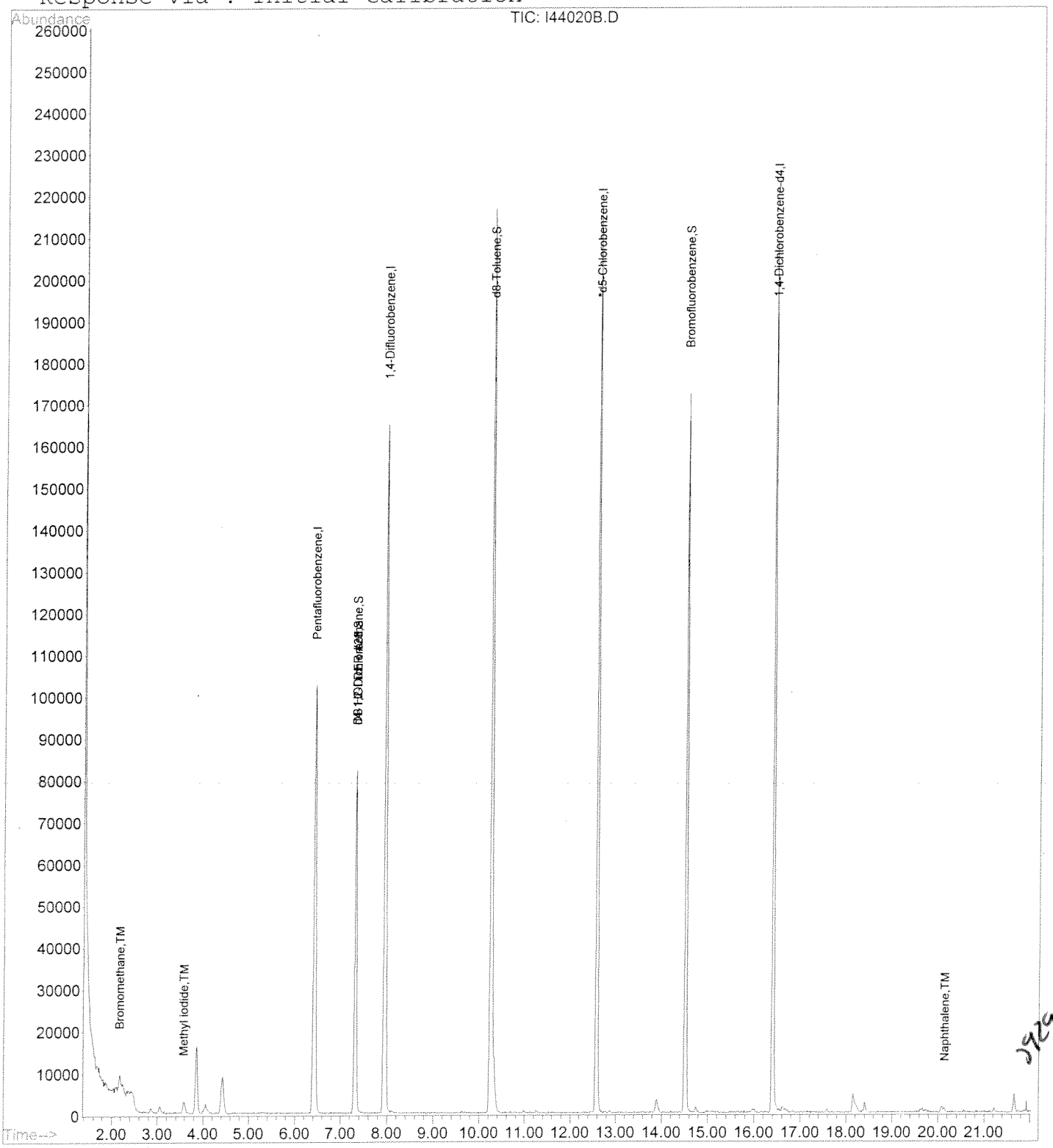
(#) = qualifier out of range (m) = manual integration
I44020B.D VS09270I.M Tue Sep 28 14:06:18 2010 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44020B.D Vial: 9
Acq On : 28 Sep 2010 11:23 am Operator: MT
Sample : LB09280I Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010 Quant Results File: VS09270I.RES

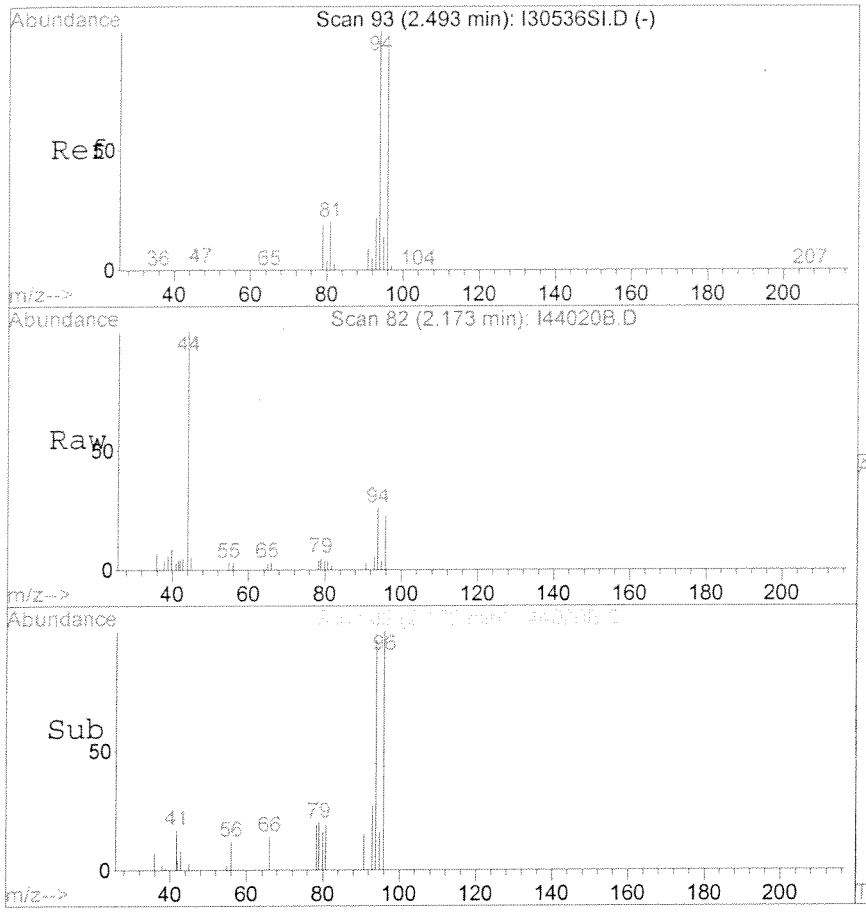
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



392900

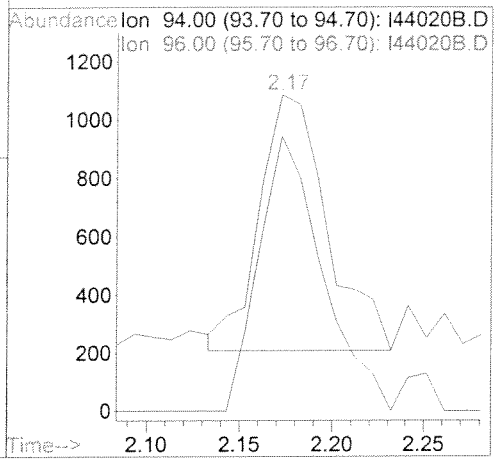
MT 9/29/10

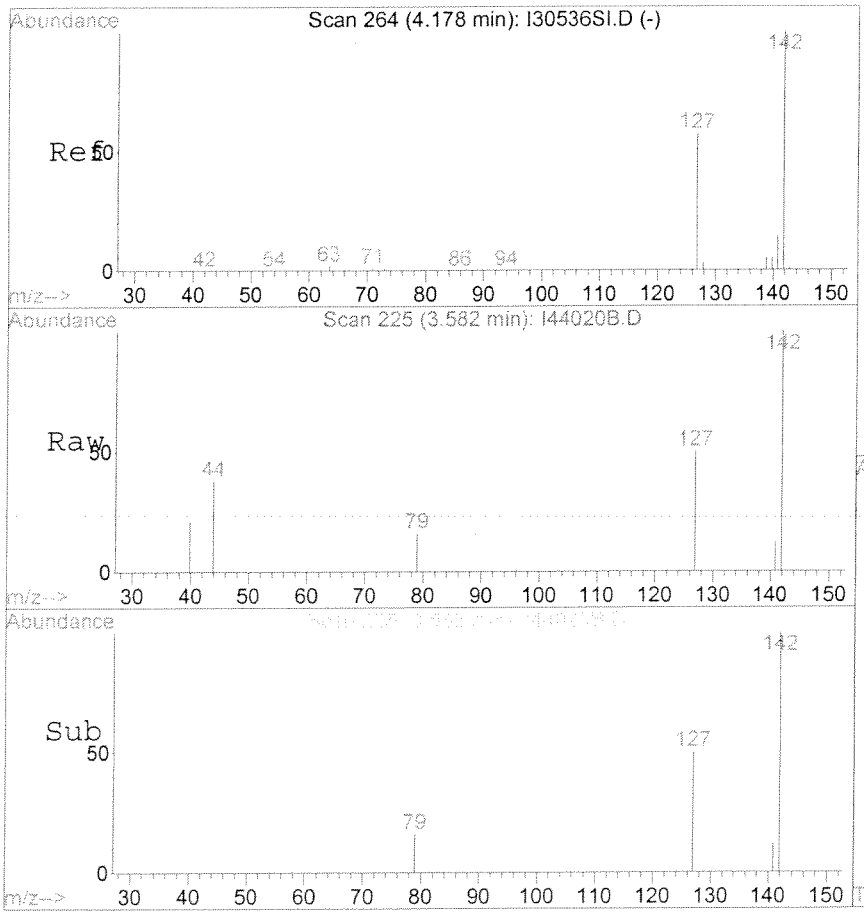


#5
Bromomethane
Concen: 0.95 ug/L
RT: 2.17 min Scan# 82
Delta R.T. 0.01 min
Lab File: I44020B.D
Acq: 28 Sep 2010 11:23 am

Tgt Ion: 94 Resp: 2231

Ion	Ratio	Lower	Upper
94	100		
96	107.8	76.0	116.0

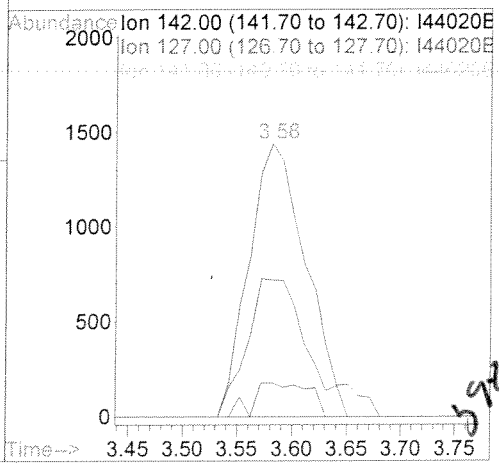


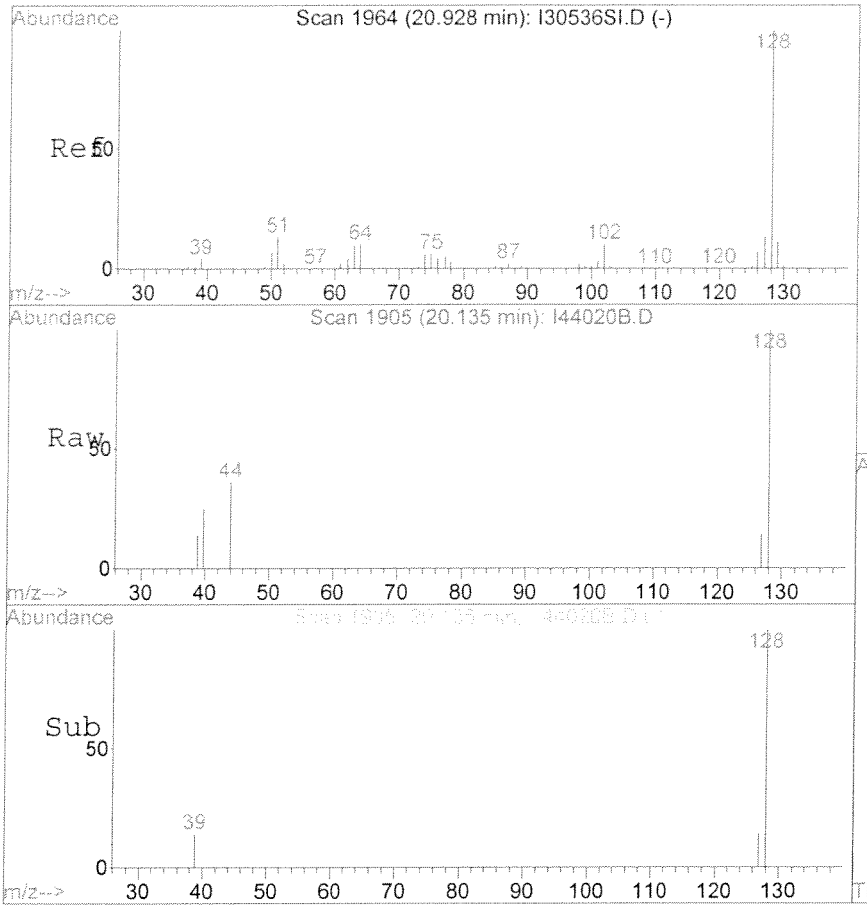


#14
Methyl iodide
Concen: 1.30 ug/L
RT: 3.58 min Scan# 225
Delta R.T. 0.02 min
Lab File: I44020B.D
Acq: 28 Sep 2010 11:23 am

Tgt Ion:142 Resp: 5399

Ion	Ratio	Lower	Upper
142	100		
127	49.6	41.0	61.4
141	11.8	11.2	16.8





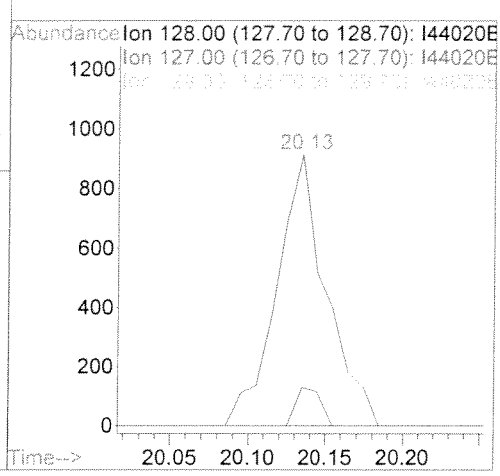
#96
Naphthalene
Concen: 1.08 ug/L
RT: 20.13 min Scan# 1905
Delta R.T. 0.01 min
Lab File: I44020B.D
Acq: 28 Sep 2010 11:23 am

NAT 9/29/10

Tgt Ion:128 Resp: 2044

Ion	Ratio	Lower	Upper
128	100		
127	14.1	0.0	33.5
129	0.0	0.0	31.8

X



NOJ/CO

9/29/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67835-1
Matrix: Solid
Percent Solid: 86
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282

Field Sample ID: C-B82-GTM4-SW-1

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.1	U	1,1,2-Trichloroethane	2.1	U
Chloromethane	2.1	U	1,3-Dichloropropane	2.1	U
Vinyl Chloride	2.1	U	Tetrachloroethene	2.1	U
Bromomethane	2.1	U	2-Hexanone	11	U
Chloroethane	2.1	U	Dibromochloromethane	2.1	U
Trichlorofluoromethane	2.1	U	1,2-Dibromoethane	2.1	U
1,1-Dichloroethene	2.1	U	Chlorobenzene	2.1	U
Acetone	11	**46**	1,1,1,2-Tetrachloroethane	2.1	U
Methyl iodide	2.1	U	Ethylbenzene	2.1	U
Carbon Disulfide	2.1	U	o-Xylene	2.1	U
Methylene Chloride	11	**15**	m,p-Xylene	2.1	U
trans-1,2-Dichloroethene	2.1	U	Styrene	2.1	U
Methyl-tert-butyl ether (MTBE)	2.1	U	Bromoform	2.1	U
1,1-Dichloroethane	2.1	U	Isopropylbenzene	2.1	U
Vinyl acetate	5.3	U	1,1,2,2-Tetrachloroethane	2.1	U
Methyl ethyl ketone	11	U	Bromobenzene	2.1	U
cis-1,2-Dichloroethene	2.1	U	1,2,3-Trichloropropane	2.1	U
2,2-Dichloropropane	2.1	U	n-Propylbenzene	2.1	U
Bromochloromethane	2.1	U	2-Chlorotoluene	2.1	U
Chloroform	2.1	U	1,3,5-Trimethylbenzene	2.1	U
1,1,1-Trichloroethane	2.1	U	4-Chlorotoluene	2.1	U
1,1-Dichloropropene	2.1	U	tert-butylbenzene	2.1	U
Carbon Tetrachloride	2.1	U	1,2,4-Trimethylbenzene	2.1	U
1,2-Dichloroethane	2.1	U	sec-butylbenzene	2.1	U
Benzene	2.1	U	p-isopropyltoluene	2.1	U
Trichloroethene	2.1	U	1,3-Dichlorobenzene	2.1	U
1,2-Dichloropropane	2.1	U	1,4-Dichlorobenzene	2.1	U
Dibromomethane	2.1	U	n-butylbenzene	2.1	U
Bromodichloromethane	2.1	U	1,2-Dichlorobenzene	2.1	U
cis-1,3-Dichloropropene	2.1	U	1,2-Dibromo-3-chloropropane	2.1	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.1	U
Toluene	2.1	U	Hexachlorobutadiene	2.1	U
trans-1,3-Dichloropropene	2.1	U	Naphthalene	2.1	U
			1,2,3-Trichlorobenzene	2.1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	107 %	d8-Toluene	103 %	Bromofluorobenzen	96 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44024.D
Acq On : 28 Sep 2010 1:19 pm
Sample : 67835-1
Misc : ,5.56,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 14:06 2010

Vial: 13
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5)/(5.56)(.8558) = 1.1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	108590	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	7.94	114	202044	20.00	ug/L	0.02
63) *d5-Chlorobenzene	12.58	117	171251 ✓	20.00	ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.40	152	68763	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.31	65	99260	21.39	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 106.95% ✓			
36) d4-1,2-Dichloroethane	7.31	65	99260	21.39	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 106.95% ✓			
54) d8-Toluene	10.25	98	223038	20.54	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.70% ✓			
73) Bromofluorobenzene	14.51	95	84041	19.22	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 96.10% ✓			

Target Compounds						Qvalue
~~5)~~ Bromomethane	2.18	94	1715	~~0.76~~	ug/L	100
12) Acetone	3.05	43	55400	✓43.69	ug/L	99
~~14)~~ Methyl iodide	3.59	142	2792	~~0.70~~	ug/L #	86
16) Methylene Chloride	3.85	84	62988	✓14.17	ug/L	99
~~17)~~ Carbon Disulfide	3.82	76	6328	~~0.74~~	ug/L	100
~~23)~~ Methyl ethyl ketone	5.70	72	1972	<10 ~~5.63~~	ug/L #	93
MT 43) Methyl acetate	3.66	43	9943	MT 3.21	ug/L #	93
~~60)~~ Tetrachloroethene	11.36	166	1719	~~0.60~~	ug/L	86
~~96)~~ Naphthalene	20.14	128	1734	~~1.07~~	ug/L #	50

292900

(#) = qualifier out of range (m) = manual integration
I44024.D VS09270I.M Tue Sep 28 14:06:35 2010

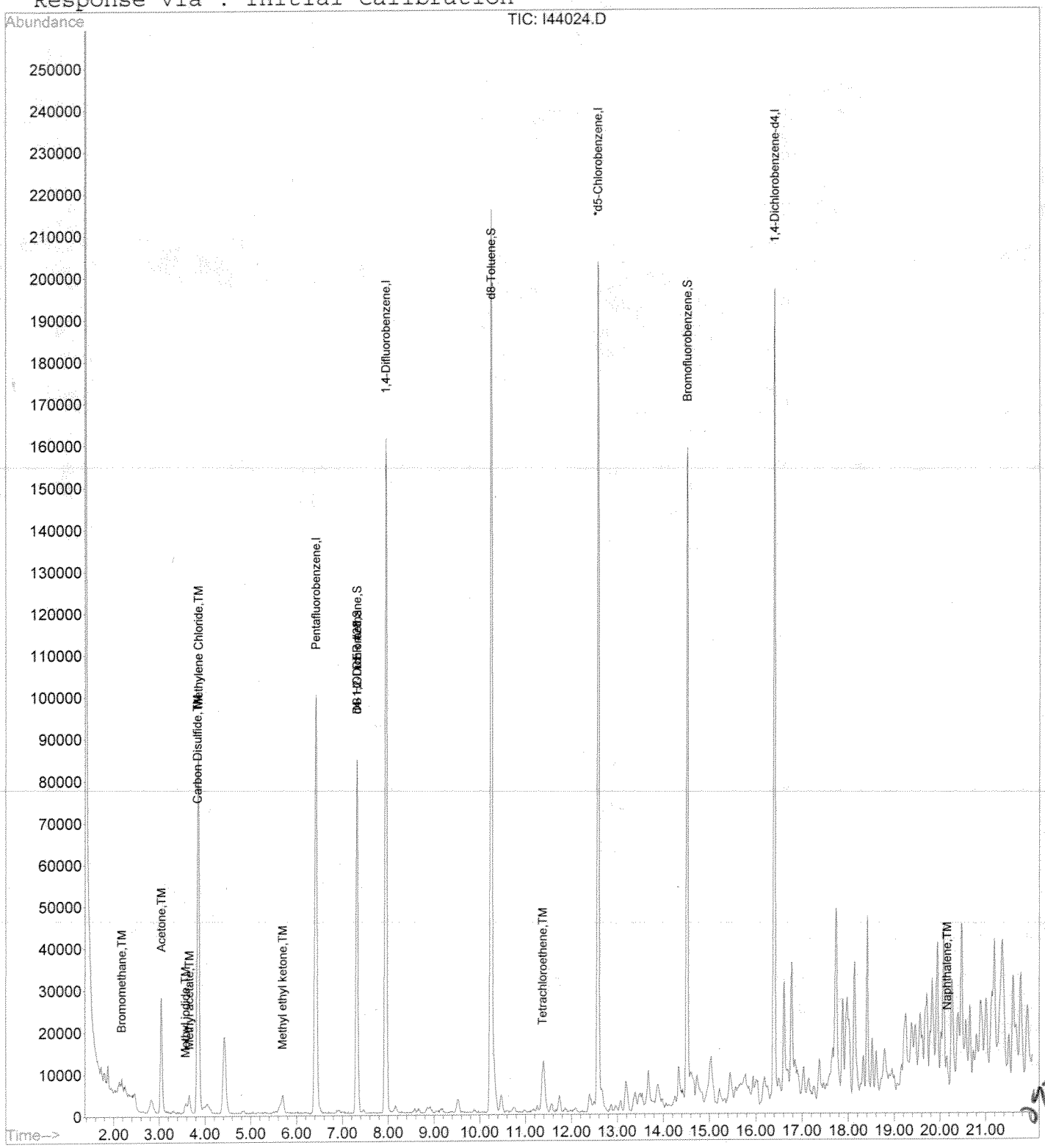
Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44024.D
Acq On : 28 Sep 2010 1:19 pm
Sample : 67835-1
Misc : ,5.56,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 14:06 2010

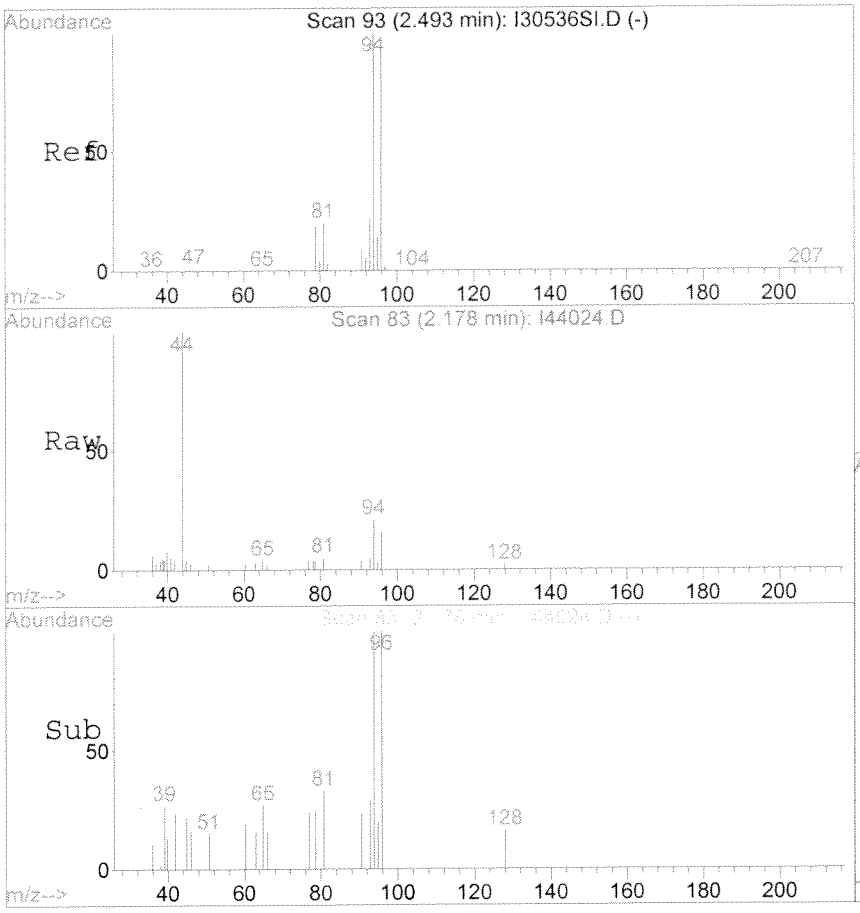
Vial: 13
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



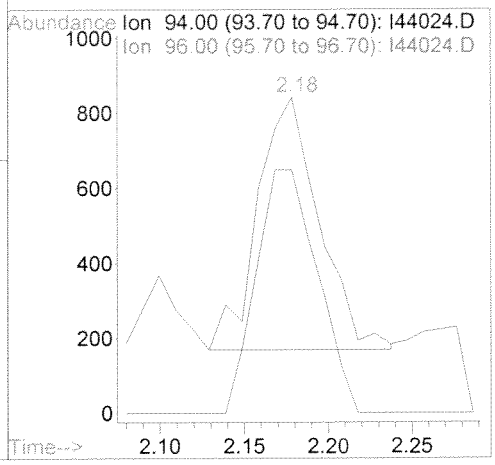
MT 9/29/10

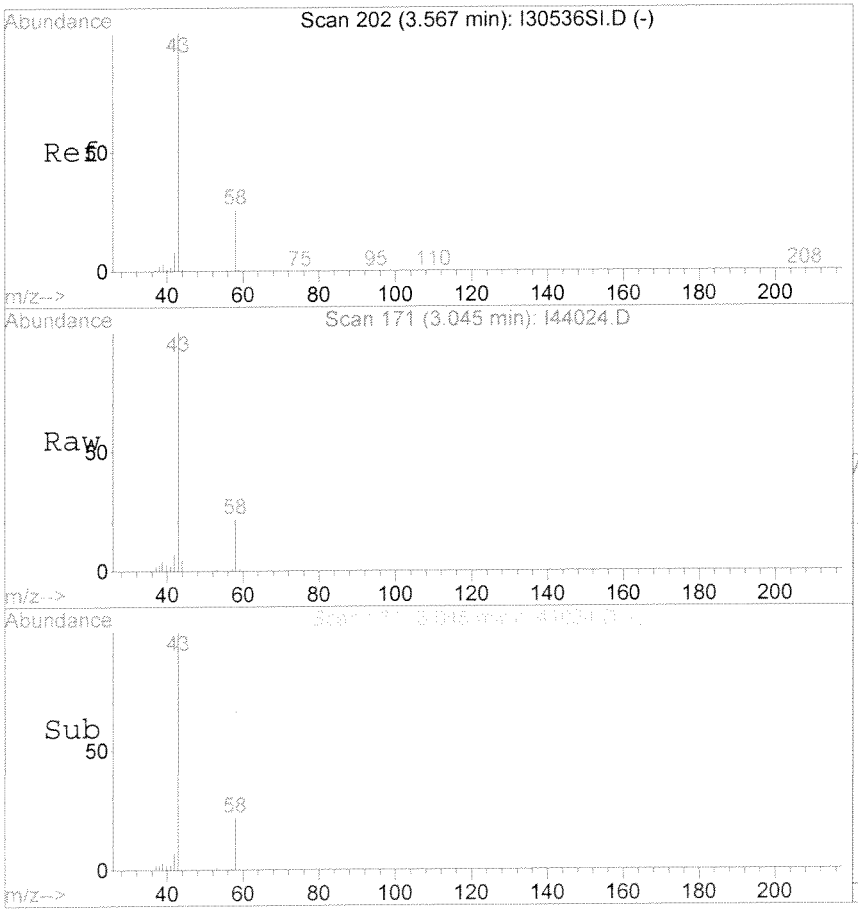


#5
Bromomethane
Concen: 0.76 ug/L
RT: 2.18 min Scan# 83
Delta R.T. 0.02 min
Lab File: I44024.D
Acq: 28 Sep 2010 1:19 pm

Tgt Ion: 94 Resp: 1715

Ion	Ratio	Lower	Upper
94	100		
96	96.4	76.0	116.0

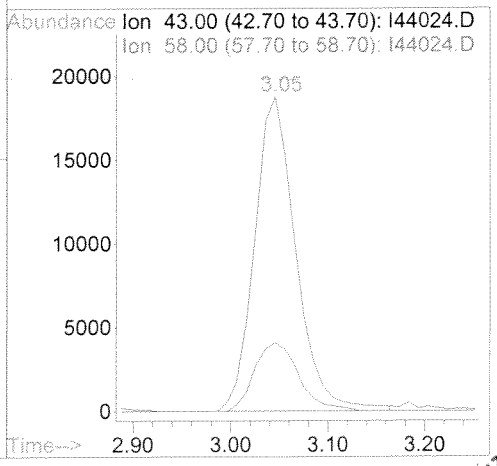




#12
Acetone
Concen: 43.69 ug/L
RT: 3.05 min Scan# 171
Delta R.T. 0.02 min
Lab File: I44024.D
Acq: 28 Sep 2010 1:19 pm

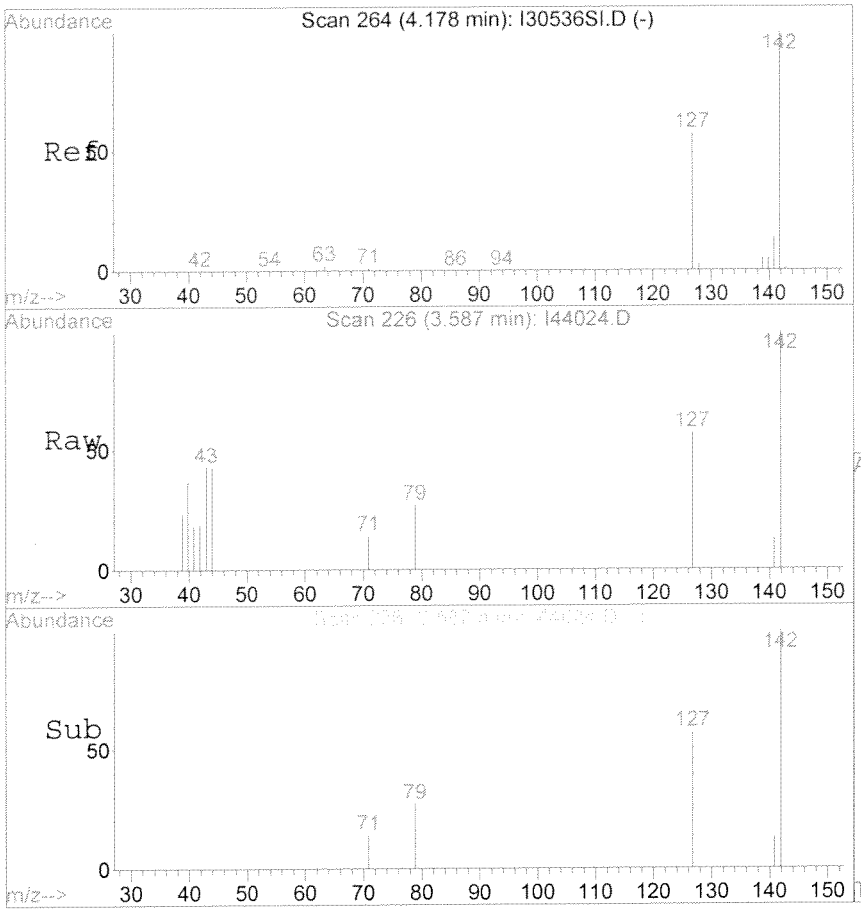
Tgt Ion: 43 Resp: 55400

Ion	Ratio	Lower	Upper
43	100		
58	23.3	18.3	27.5



9/29/10

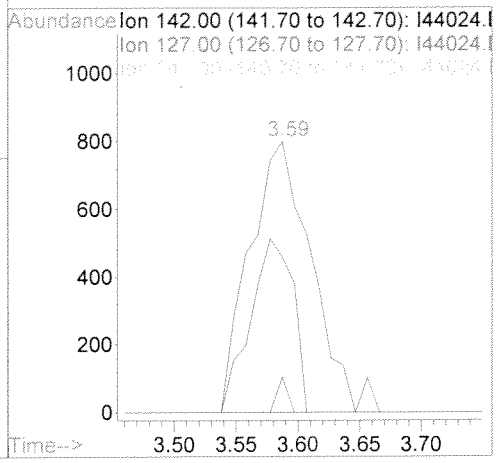
NT 9/29/10

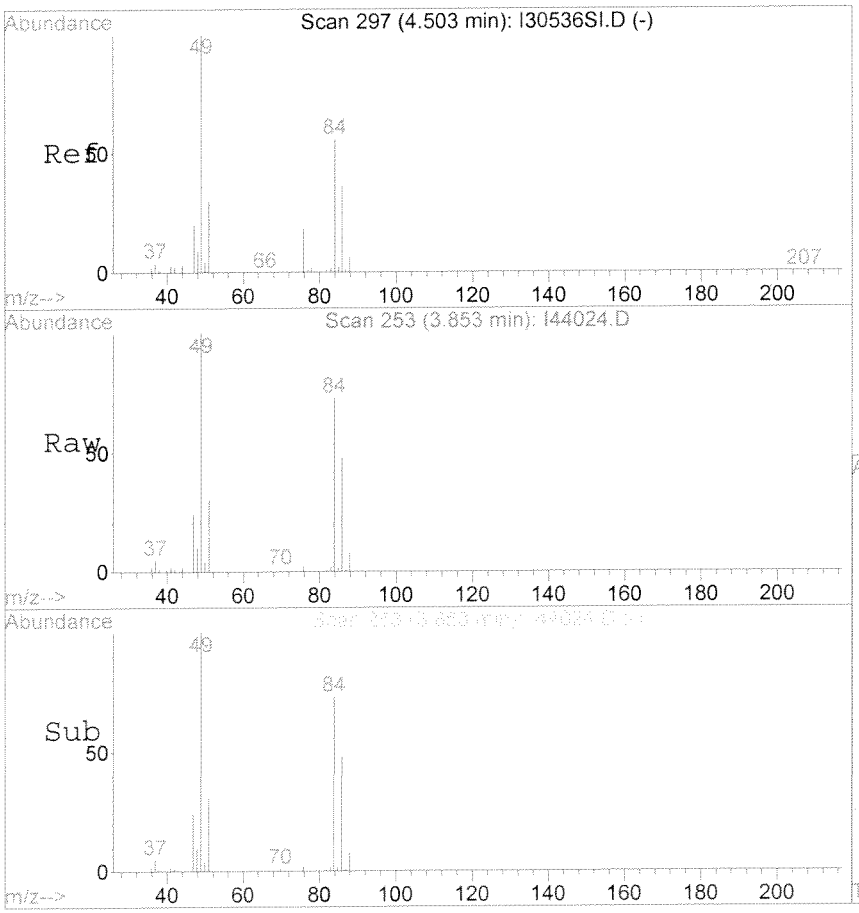


#14
Methyl iodide
Concen: 0.70 ug/L
RT: 3.59 min Scan# 226
Delta R.T. 0.03 min
Lab File: I44024.D
Acq: 28 Sep 2010 1:19 pm

Tgt Ion:142 Resp: 2792

Ion	Ratio	Lower	Upper
142	100		
127	44.0	41.0	61.4
141	2.2	11.2	16.8#

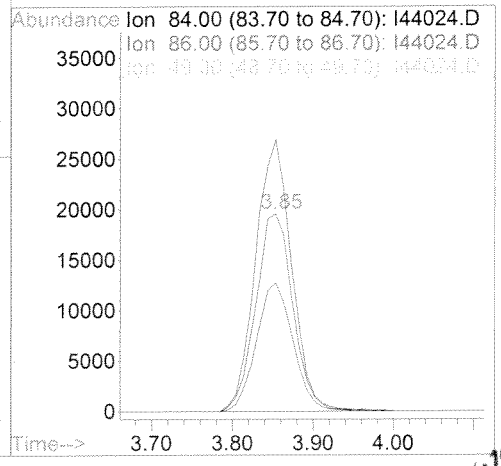




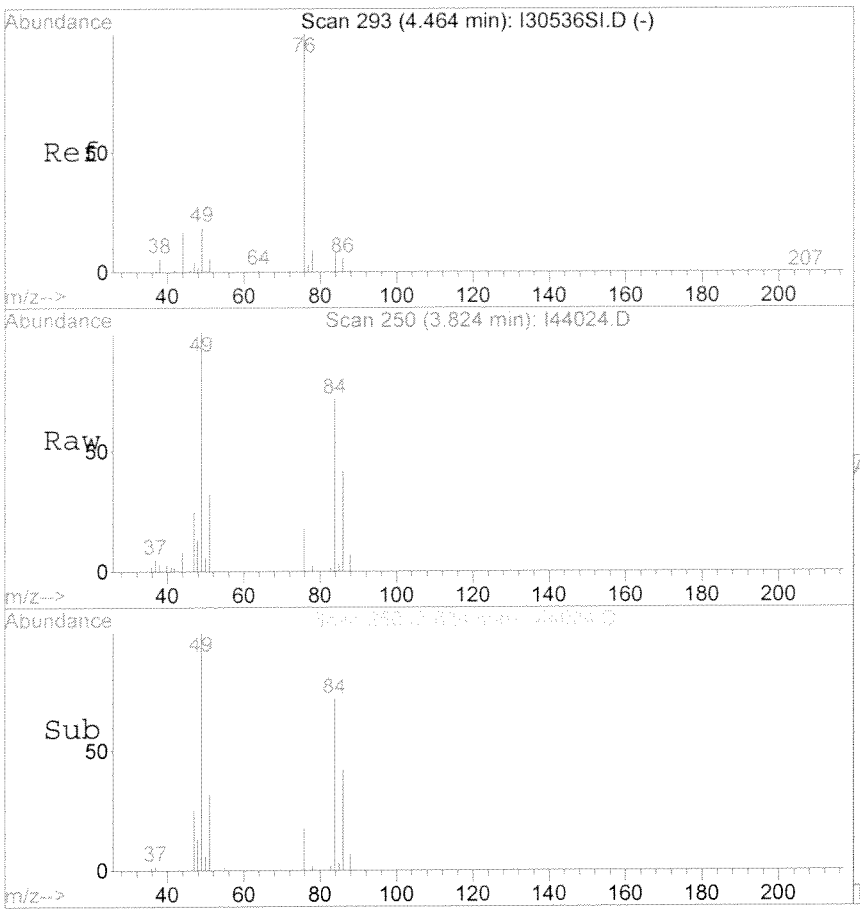
#16
Methylene Chloride
Concen: 14.17 ug/L
RT: 3.85 min Scan# 253
Delta R.T. 0.03 min
Lab File: I44024.D
Acq: 28 Sep 2010 1:19 pm

Tgt Ion: 84 Resp: 62988

Ion	Ratio	Lower	Upper
84	100		
86	65.4	45.8	85.8
49	137.6	116.6	156.6



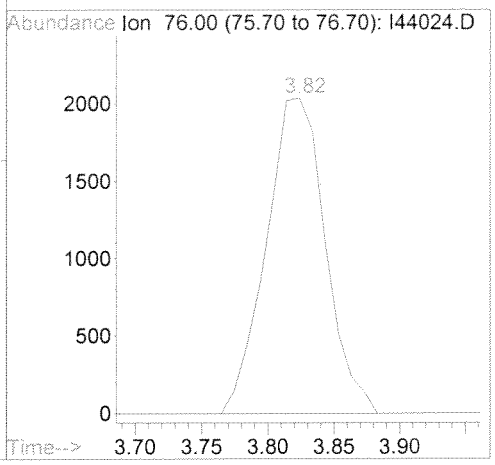
MT 9/29/10



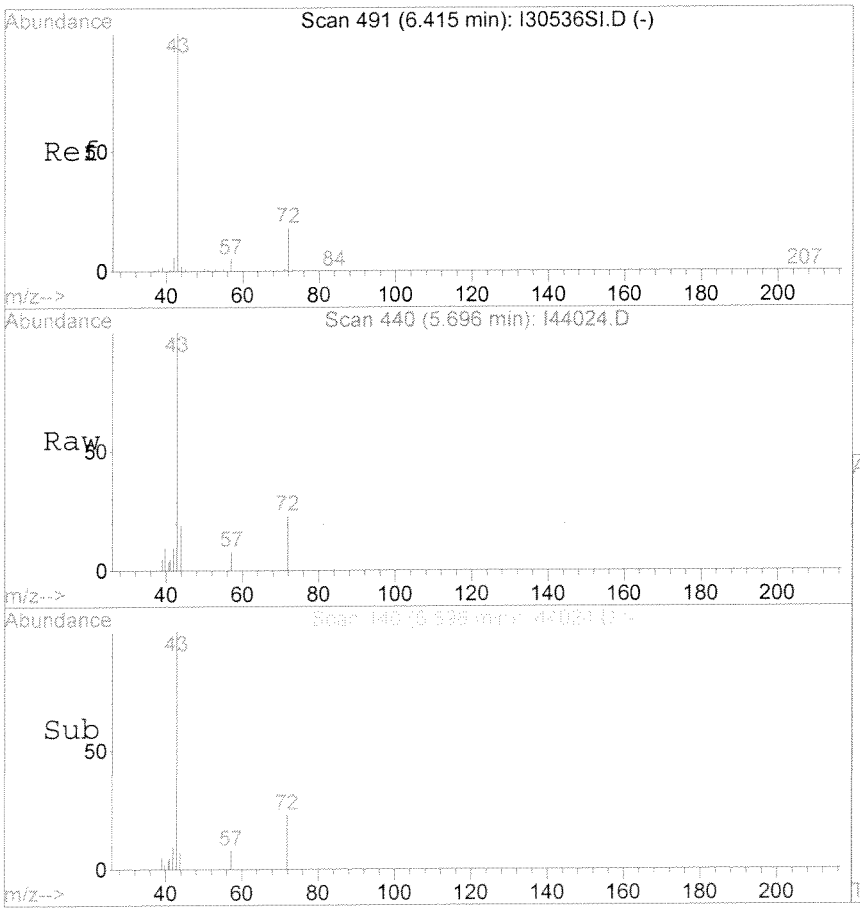
#17
Carbon Disulfide
Concen: 0.74 ug/L
RT: 3.82 min Scan# 250
Delta R.T. 0.03 min
Lab File: I44024.D
Acq: 28 Sep 2010 1:19 pm

Tgt Ion: 76 Resp: 6328

X



<J

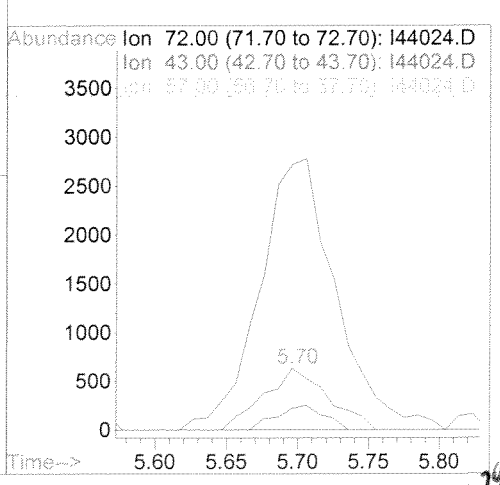


#23
Methyl ethyl ketone
Concen: 5.63 ug/L
RT: 5.70 min Scan# 440
Delta R.T. 0.03 min
Lab File: I44024.D
Acq: 28 Sep 2010 1:19 pm

Tgt Ion: 72 Resp: 1972

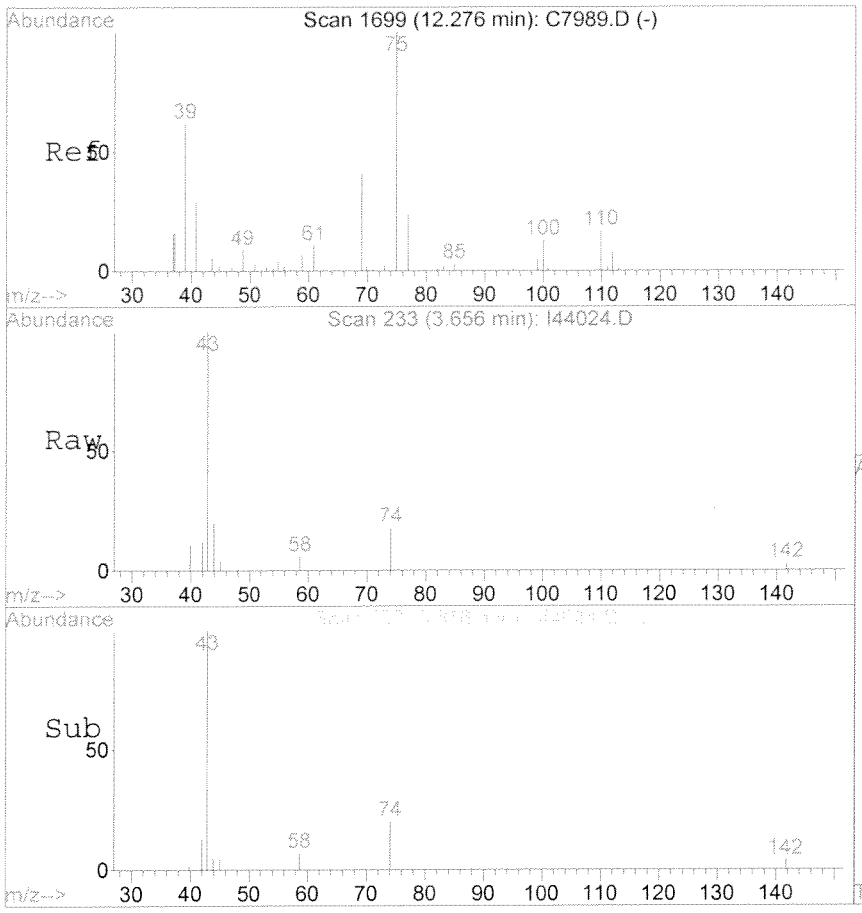
Ion	Ratio	Lower	Upper
72	100		
43	526.6	408.4	612.6
57	29.5	31.8	47.8#

X



<U

9/29/10



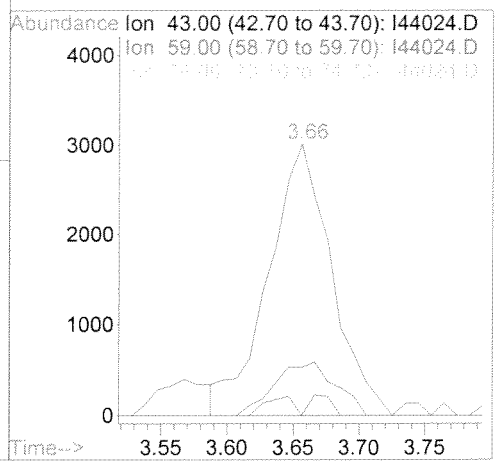
NT 9/29/10

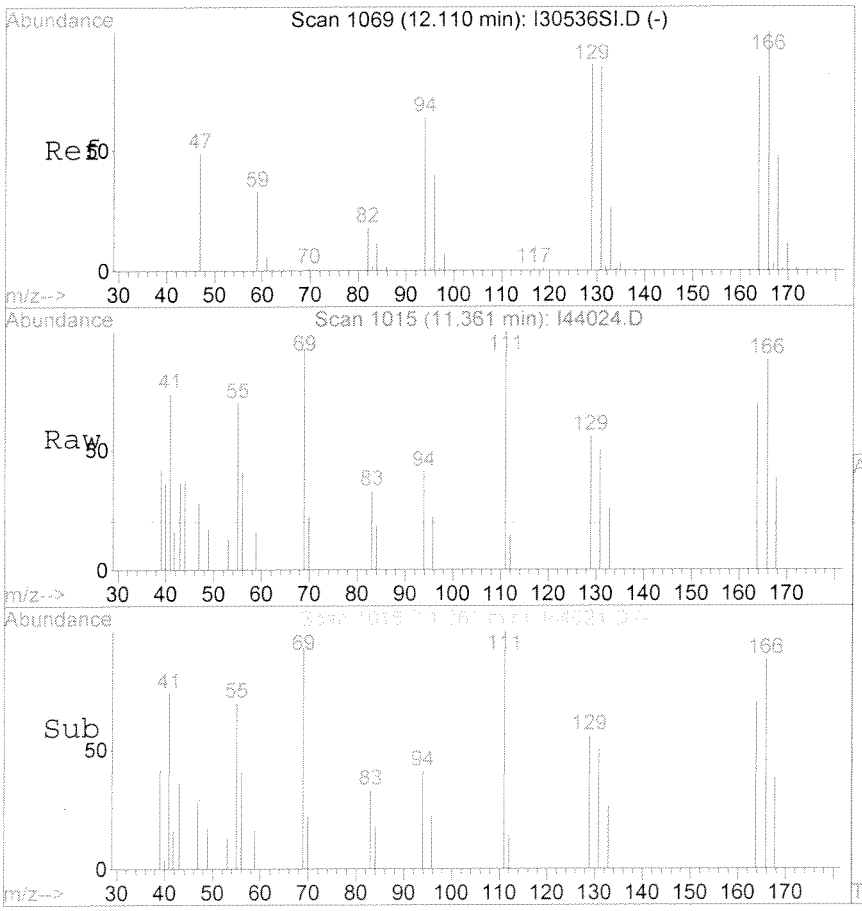
#43
Methyl acetate
Concen: 3.21 ug/L
RT: 3.66 min Scan# 233
Delta R.T. 0.02 min
Lab File: I44024.D
Acq: 28 Sep 2010 1:19 pm

Tgt Ion: 43 Resp: 9943

Ion	Ratio	Lower	Upper
43	100		
59	2.6	7.6	11.4#
74	18.9	15.8	23.6

NT

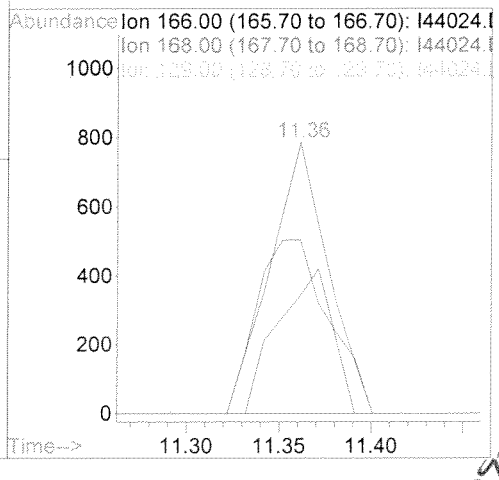




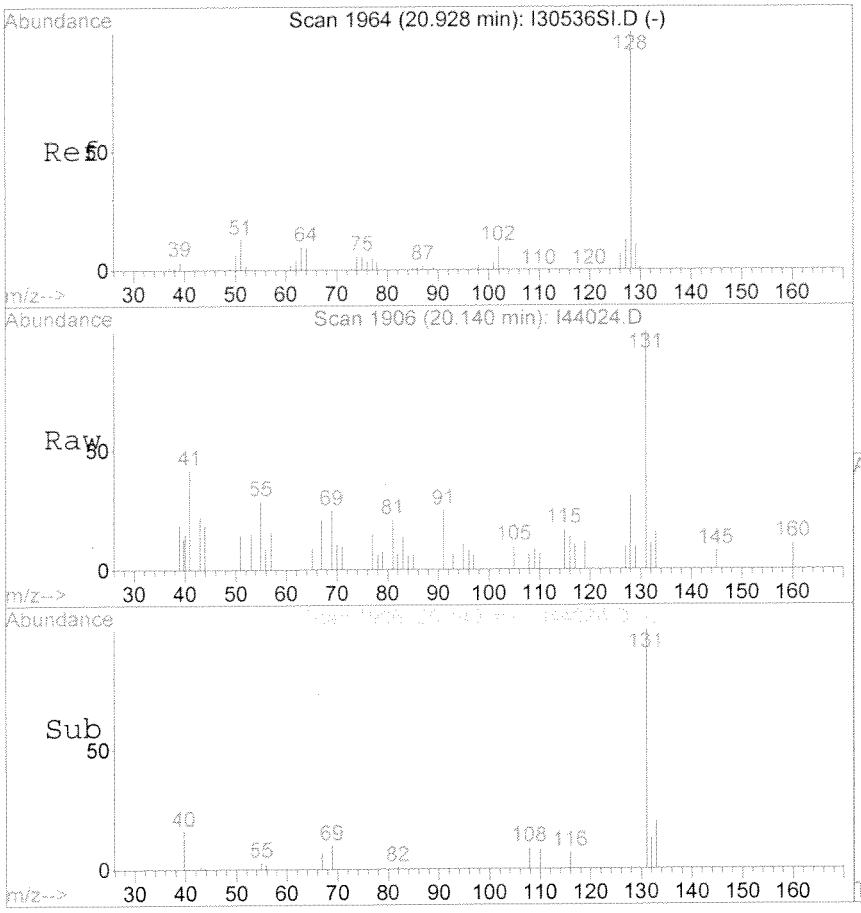
#60
Tetrachloroethene
Concen: 0.60 ug/L
RT: 11.36 min Scan# 1015
Delta R.T. 0.02 min
Lab File: I44024.D
Acq: 28 Sep 2010 1:19 pm

Tgt Ion:166 Resp: 1719

Ion	Ratio	Lower	Upper
166	100		
168	43.6	29.9	69.9
129	64.1	59.2	99.2



092910

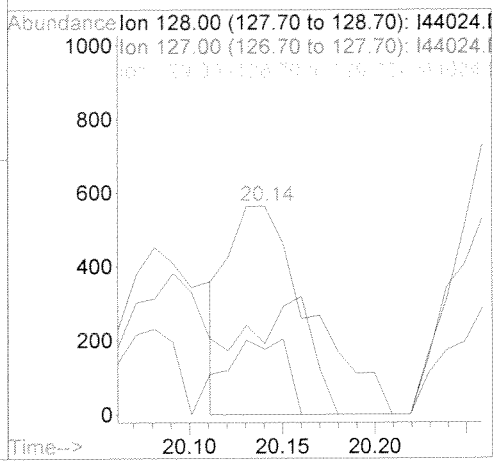


#96 MT 9/29/10
Naphthalene
Concen: 1.07 ug/L
RT: 20.14 min Scan# 1906
Delta R.T. 0.02 min
Lab File: I44024.D
Acq: 28 Sep 2010 1:19 pm

Tgt Ion:128 Resp: 1734

Ion	Ratio	Lower	Upper
128	100		
127	31.2	0.0	33.5
129	33.9	0.0	31.8#

X



9/29/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67835-2
Matrix: Solid
Percent Solid: 83
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82
Project Number: 106-2282
Field Sample ID: C-B82-GTM4-SW-2

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.5	U	1,1,2-Trichloroethane	2.5	U
Chloromethane	2.5	U	1,3-Dichloropropane	2.5	U
Vinyl Chloride	2.5	U	Tetrachloroethene	2.5	U
Bromomethane	2.5	U	2-Hexanone	12	U
Chloroethane	2.5	U	Dibromochloromethane	2.5	U
Trichlorofluoromethane	2.5	U	1,2-Dibromoethane	2.5	U
1,1-Dichloroethene	2.5	U	Chlorobenzene	2.5	U
Acetone	12	**33**	1,1,1,2-Tetrachloroethane	2.5	U
Methyl iodide	2.5	U	Ethylbenzene	2.5	U
Carbon Disulfide	2.5	U	o-Xylene	2.5	U
Methylene Chloride	12	**27**	m,p-Xylene	2.5	U
trans-1,2-Dichloroethene	2.5	U	Styrene	2.5	U
Methyl-tert-butyl ether (MTBE)	2.5	U	Bromoform	2.5	U
1,1-Dichloroethane	2.5	U	Isopropylbenzene	2.5	U
Vinyl acetate	6.1	U	1,1,2,2-Tetrachloroethane	2.5	U
Methyl ethyl ketone	12	U	Bromobenzene	2.5	U
cis-1,2-Dichloroethene	2.5	U	1,2,3-Trichloropropane	2.5	U
2,2-Dichloropropane	2.5	U	n-Propylbenzene	2.5	U
Bromochloromethane	2.5	U	2-Chlorotoluene	2.5	U
Chloroform	2.5	U	1,3,5-Trimethylbenzene	2.5	U
1,1,1-Trichloroethane	2.5	U	4-Chlorotoluene	2.5	U
1,1-Dichloropropene	2.5	U	tert-butylbenzene	2.5	U
Carbon Tetrachloride	2.5	U	1,2,4-Trimethylbenzene	2.5	U
1,2-Dichloroethane	2.5	U	sec-butylbenzene	2.5	U
Benzene	2.5	U	p-isopropyltoluene	2.5	U
Trichloroethene	2.5	U	1,3-Dichlorobenzene	2.5	U
1,2-Dichloropropane	2.5	U	1,4-Dichlorobenzene	2.5	U
Dibromomethane	2.5	U	n-butylbenzene	2.5	U
Bromodichloromethane	2.5	U	1,2-Dichlorobenzene	2.5	U
cis-1,3-Dichloropropene	2.5	U	1,2-Dibromo-3-chloropropane	2.5	U
Methyl isobutyl ketone	12	U	1,2,4-Trichlorobenzene	2.5	U
Toluene	2.5	U	Hexachlorobutadiene	2.5	U
trans-1,3-Dichloropropene	2.5	U	Naphthalene	2.5	U
			1,2,3-Trichlorobenzene	2.5	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	98	%	d8-Toluene	99	%	Bromofluorobenzen	98	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44034.D
Acq On : 28 Sep 2010 6:01 pm
Sample : 67835-2
Misc : ,4.89,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:43 2010

Vial: 23
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5)/(4.89g)(.8331) = 1.2

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	113321	20.00 ug/L	0.04
39) 1,4-Difluorobenzene	7.95	114	213552	20.00 ug/L	0.03
63) *d5-Chlorobenzene	12.59	117	181772 ✓	20.00 ug/L	0.03
87) 1,4-Dichlorobenzene-d4	16.40	152	76762	20.00 ug/L	0.03

System Monitoring Compounds					
28) DB HOLDER #28	7.32	65	95146	19.65 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.25% ✓	
36) d4-1,2-Dichloroethane	7.32	65	95146	19.65 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.25% ✓	
54) d8-Toluene	10.25	98	228021	19.87 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.35% ✓	
73) Bromofluorobenzene	14.52	95	90516	19.50 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	97.50% ✓	

Target Compounds					Qvalue
12) Acetone	3.05	43	35800	✓27.05 ug/L	96
16) Methylene Chloride	3.86	84	90998	✓22.00 ug/L	99
~~60)~~ Tetrachloroethene	11.37	166	2266	~~0.74~~ ug/L	86
~~72)~~ 1,1,2,2-Tetrachloroethane	14.34	83	3431	~~0.88~~ ug/L #	42
~~96)~~ Naphthalene	20.14	128	985	~~0.92~~ ug/L #	9

5 92900

(#) = qualifier out of range (m) = manual integration
I44034.D VS09270I.M Wed Sep 29 06:43:25 2010

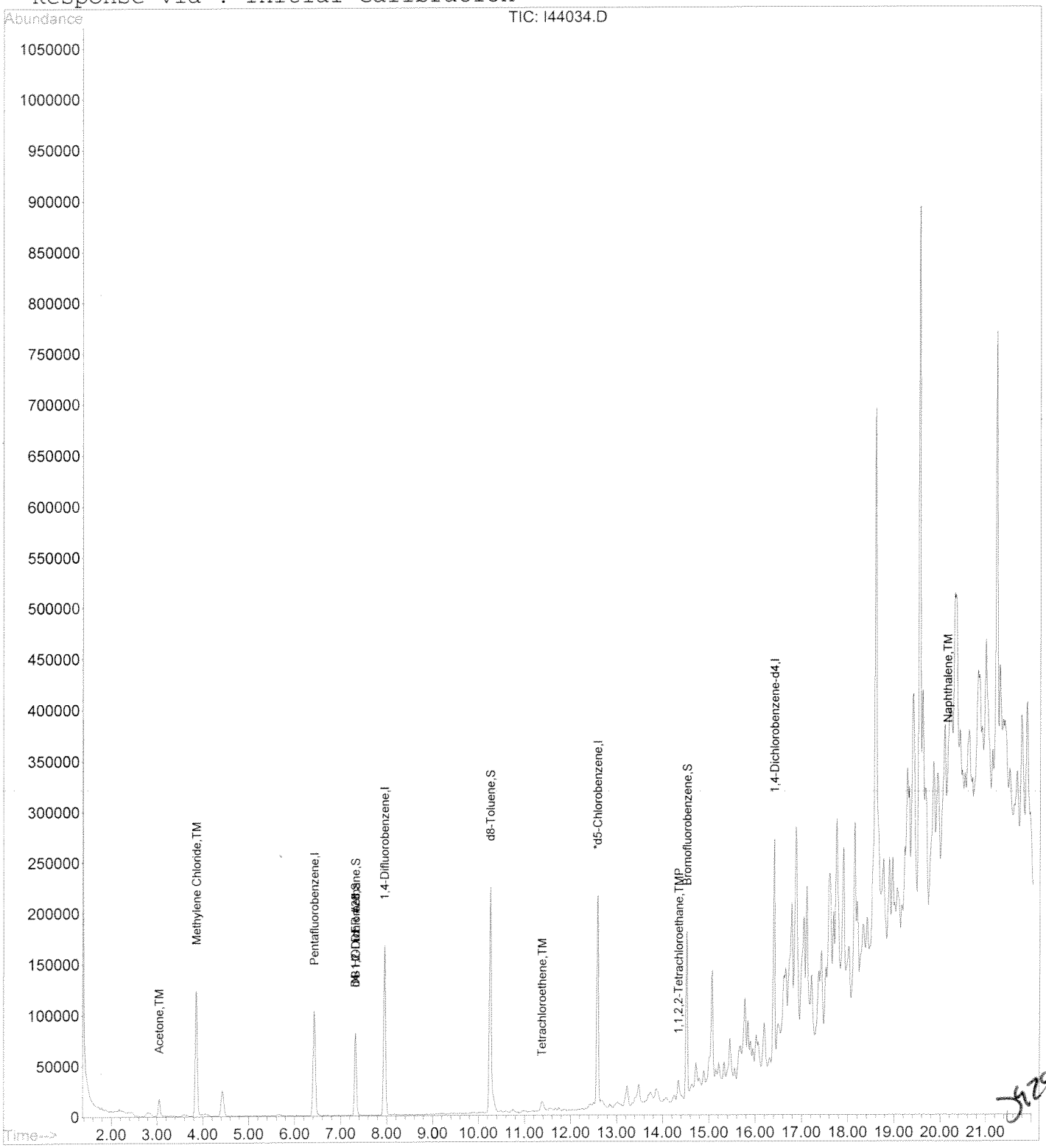
Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44034.D
Acq On : 28 Sep 2010 6:01 pm
Sample : 67835-2
Misc : ,4.89,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:43 2010

Vial: 23
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

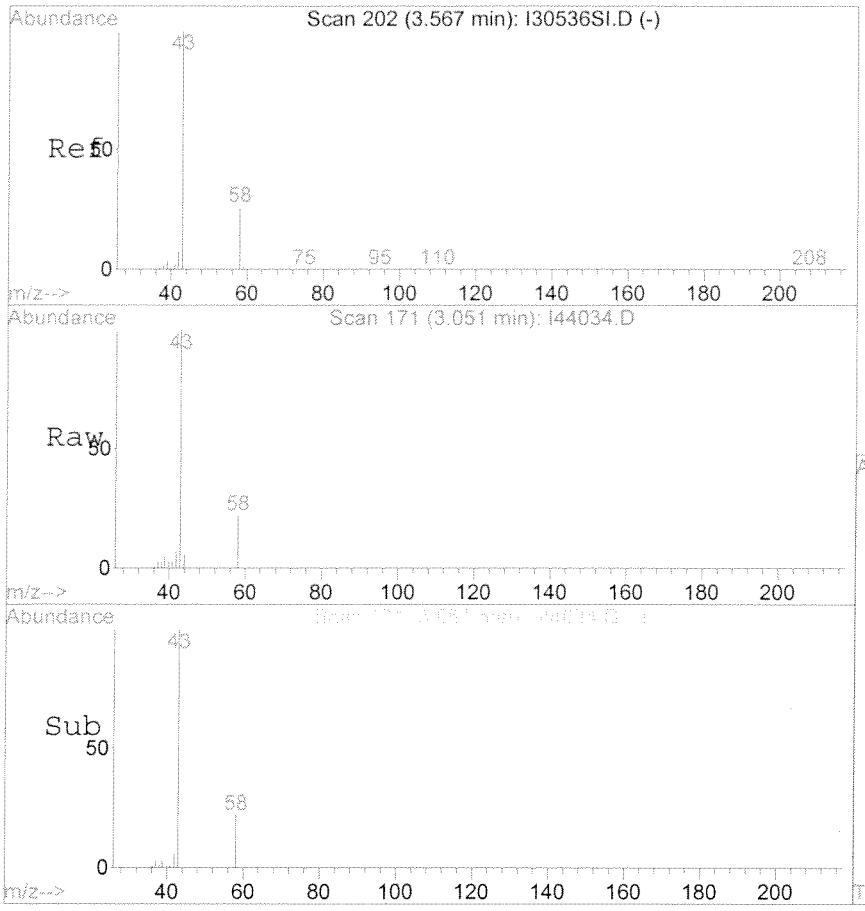
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



J 9/29/10

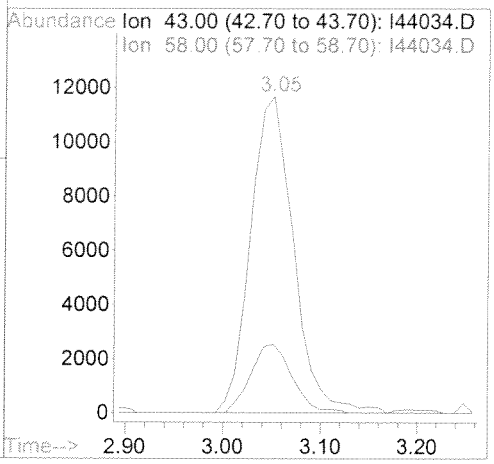
MT 9/29/10

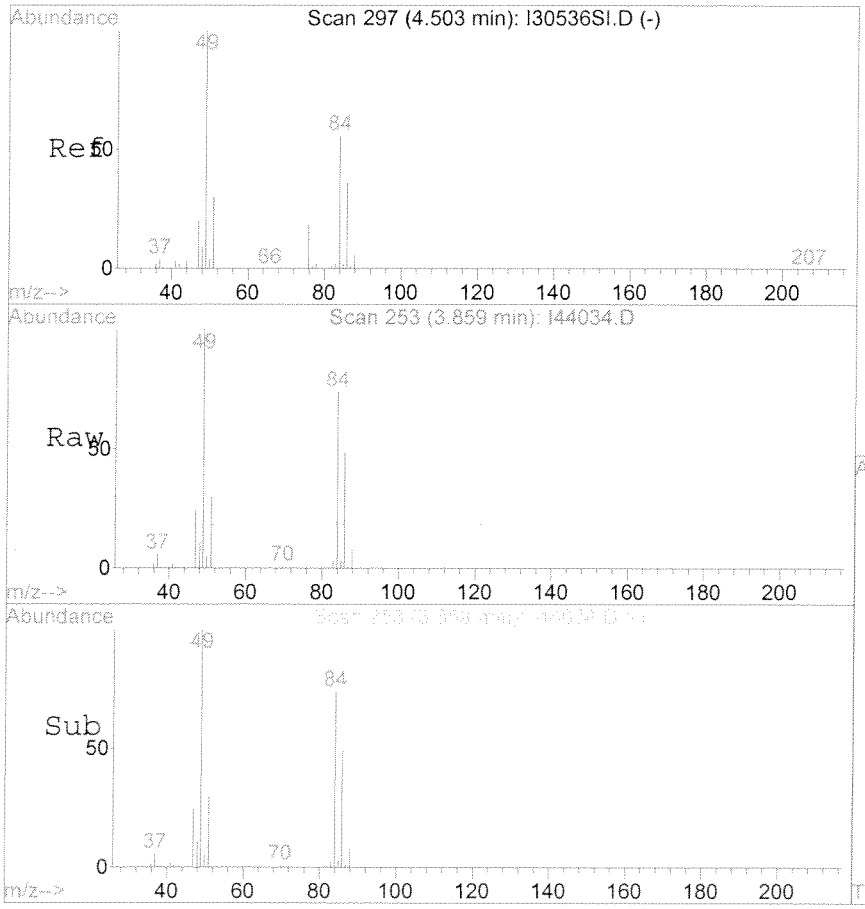


#12
Acetone
Concen: 27.05 ug/L
RT: 3.05 min Scan# 171
Delta R.T. 0.03 min
Lab File: I44034.D
Acq: 28 Sep 2010 6:01 pm

Tgt Ion: 43 Resp: 35800

Ion	Ratio	Lower	Upper
43	100		
58	20.8	18.3	27.5

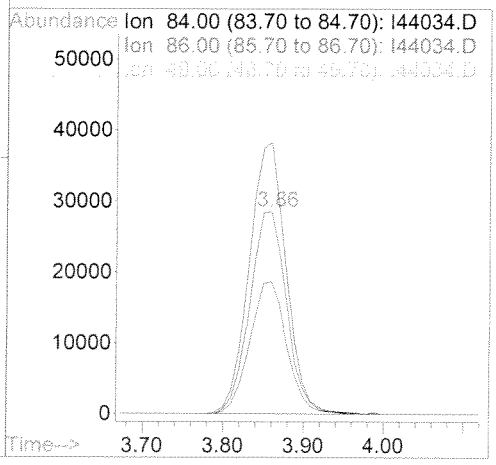




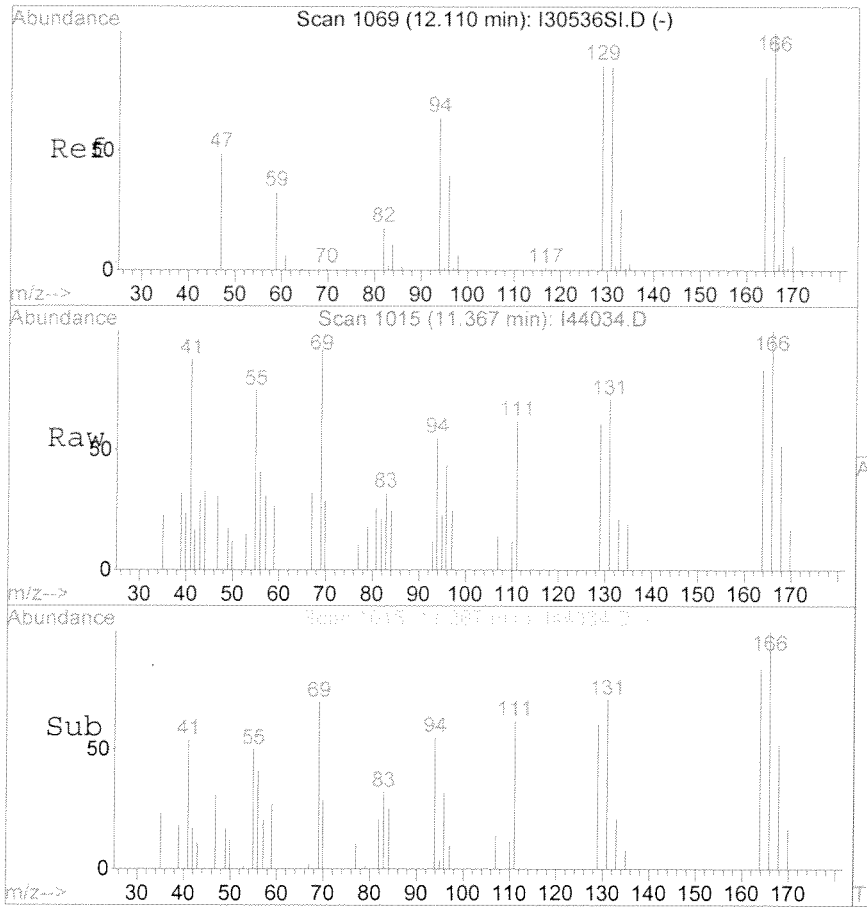
#16
Methylene Chloride
Concen: 22.00 ug/L
RT: 3.86 min Scan# 253
Delta R.T. 0.04 min
Lab File: I44034.D
Acq: 28 Sep 2010 6:01 pm

Tgt Ion: 84 Resp: 90998

Ion	Ratio	Lower	Upper
84	100		
86	65.5	45.8	85.8
49	134.4	116.6	156.6



J9290

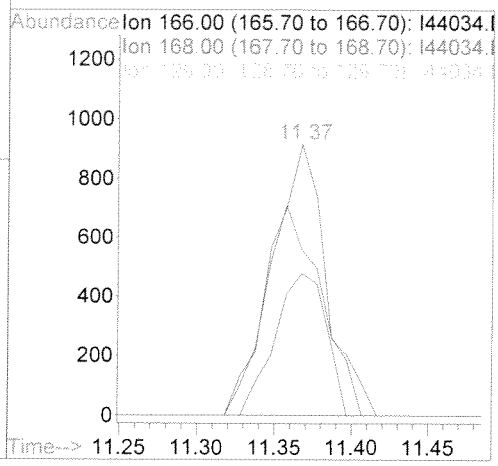


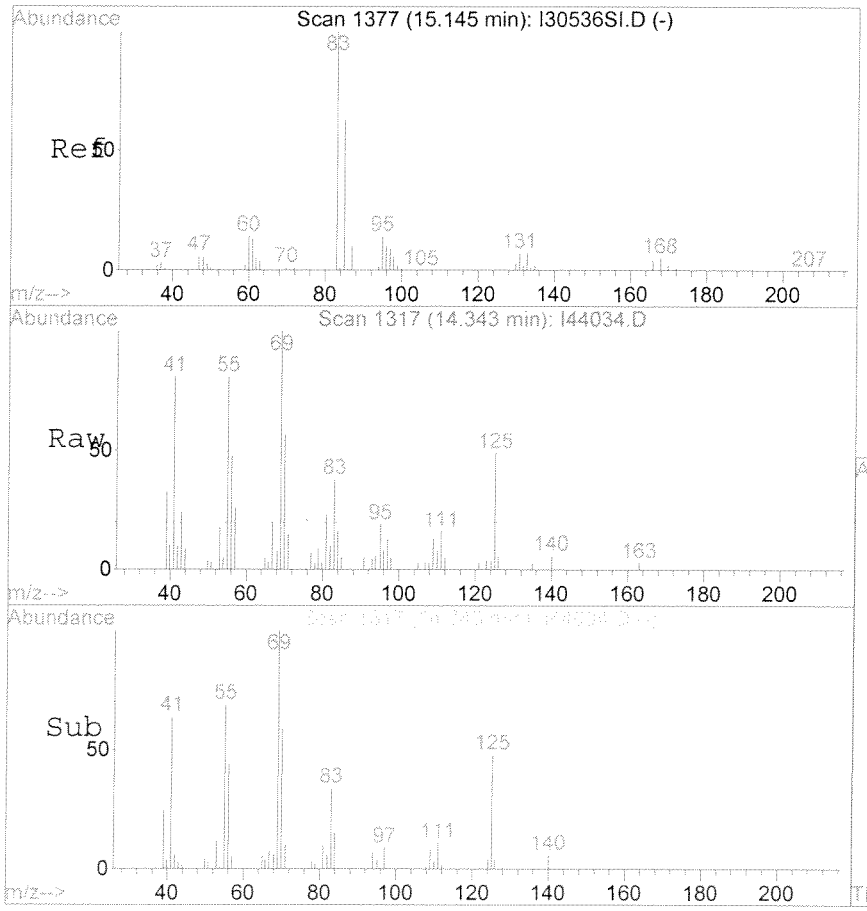
MT 9/29/10

#60
Tetrachloroethene
Concen: 0.74 ug/L
RT: 11.37 min Scan# 1015
Delta R.T. 0.03 min
Lab File: I44034.D
Acq: 28 Sep 2010 6:01 pm

Tgt Ion:166 Resp: 2266

Ion	Ratio	Lower	Upper
166	100		
168	52.2	29.9	69.9
129	60.9	59.2	99.2

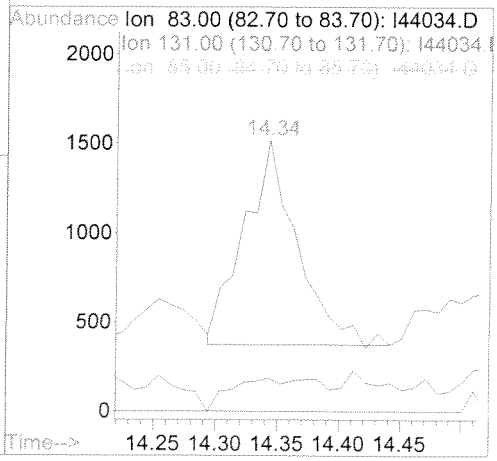


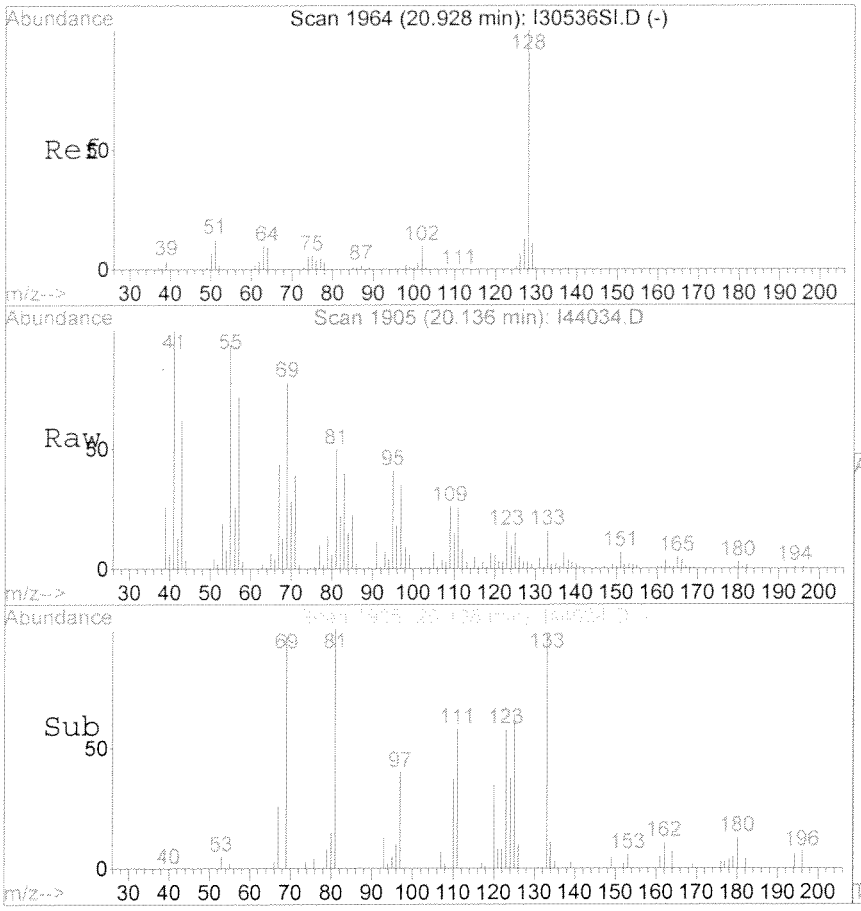


#72
1,1,2,2-Tetrachloroethane
Concen: 0.88 ug/L
RT: 14.34 min Scan# 1317
Delta R.T. -0.05 min
Lab File: I44034.D
Acq: 28 Sep 2010 6:01 pm

Tgt Ion: 83 Resp: 3431

Ion	Ratio	Lower	Upper
83	100		
131	0.0	0.0	18.8
85	16.3	55.6	75.6#

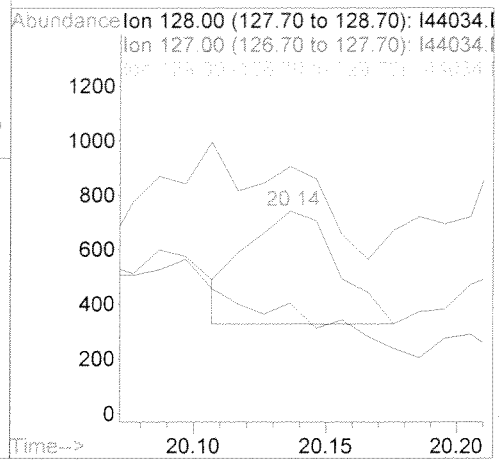




#96 MT 9/29/10
Naphthalene
Concen: 0.92 ug/L
RT: 20.14 min Scan# 1905
Delta R.T. 0.02 min
Lab File: I44034.D
Acq: 28 Sep 2010 6:01 pm

Tgt Ion:128 Resp: 985

Ion	Ratio	Lower	Upper
128	100		
127	56.8	0.0	33.5#
129	39.9	0.0	31.8#



X

9/29/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67835-3
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82
Project Number: 106-2282
Field Sample ID: C-B82-GTM4-SW-3

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.1	U	1,1,2-Trichloroethane	2.1	U
Chloromethane	2.1	U	1,3-Dichloropropane	2.1	U
Vinyl Chloride	2.1	U	Tetrachloroethene	2.1	U
Bromomethane	2.1	U	2-Hexanone	11	U
Chloroethane	2.1	U	Dibromochloromethane	2.1	U
Trichlorofluoromethane	2.1	U	1,2-Dibromoethane	2.1	U
1,1-Dichloroethene	2.1	U	Chlorobenzene	2.1	U
Acetone	11	**41**	1,1,1,2-Tetrachloroethane	2.1	U
Methyl iodide	2.1	U	Ethylbenzene	2.1	U
Carbon Disulfide	2.1	U	o-Xylene	2.1	U
Methylene Chloride	11	**15**	m,p-Xylene	2.1	U
trans-1,2-Dichloroethene	2.1	U	Styrene	2.1	U
Methyl-tert-butyl ether (MTBE)	2.1	U	Bromoform	2.1	U
1,1-Dichloroethane	2.1	U	Isopropylbenzene	2.1	U
Vinyl acetate	5.4	U	1,1,2,2-Tetrachloroethane	2.1	U
Methyl ethyl ketone	11	U	Bromobenzene	2.1	U
cis-1,2-Dichloroethene	2.1	U	1,2,3-Trichloropropane	2.1	U
2,2-Dichloropropane	2.1	U	n-Propylbenzene	2.1	U
Bromochloromethane	2.1	U	2-Chlorotoluene	2.1	U
Chloroform	2.1	U	1,3,5-Trimethylbenzene	2.1	U
1,1,1-Trichloroethane	2.1	U	4-Chlorotoluene	2.1	U
1,1-Dichloropropene	2.1	U	tert-butylbenzene	2.1	U
Carbon Tetrachloride	2.1	U	1,2,4-Trimethylbenzene	2.1	U
1,2-Dichloroethane	2.1	U	sec-butylbenzene	2.1	U
Benzene	2.1	U	p-isopropyltoluene	2.1	U
Trichloroethene	2.1	U	1,3-Dichlorobenzene	2.1	U
1,2-Dichloropropane	2.1	U	1,4-Dichlorobenzene	2.1	U
Dibromomethane	2.1	U	n-butylbenzene	2.1	U
Bromodichloromethane	2.1	U	1,2-Dichlorobenzene	2.1	U
cis-1,3-Dichloropropene	2.1	U	1,2-Dibromo-3-chloropropane	2.1	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.1	U
Toluene	2.1	U	Hexachlorobutadiene	2.1	U
trans-1,3-Dichloropropene	2.1	U	Naphthalene	2.1	U
			1,2,3-Trichlorobenzene	2.1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	103	%	d8-Toluene	100	%	Bromofluorobenzen	100	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44027.D
Acq On : 28 Sep 2010 2:44 pm
Sample : 67835-3
Misc : ,4.96,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 15:12 2010

Vial: 16
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5)/(4.96)(.9398) = 1.1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	112007	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	7.95	114	207780	20.00	ug/L	0.02
63) *d5-Chlorobenzene	12.59	117	178095 ✓	20.00	ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.40	152	75545	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.31	65	98779	20.64	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.20% ✓			
36) d4-1,2-Dichloroethane	7.31	65	98779	20.64	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.20% ✓			
54) d8-Toluene	10.25	98	223788	20.04	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.20% ✓			
73) Bromofluorobenzene	14.52	95	90626	19.93	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.65% ✓			

Target Compounds						Qvalue
5) Bromomethane	2.17	94	1418	LJ ~~0.61~~	ug/L	93
9) Diethyl ether	2.82	74	1665	MJ ~~1.15~~	ug/L #	54
12) Acetone	3.05	43	50444	✓ 38.57	ug/L	99
14) Methyl iodide	3.59	142	2063	LJ ~~0.50~~	ug/L #	90
16) Methylene Chloride	3.86	84	64573	✓ 14.04	ug/L	93
M 43) Methyl acetate	3.66	43	13731	M 4.31	ug/L	93
96) Naphthalene	20.13	128	776	LJ ~~0.89~~	ug/L	68

5/29/10

(#) = qualifier out of range (m) = manual integration

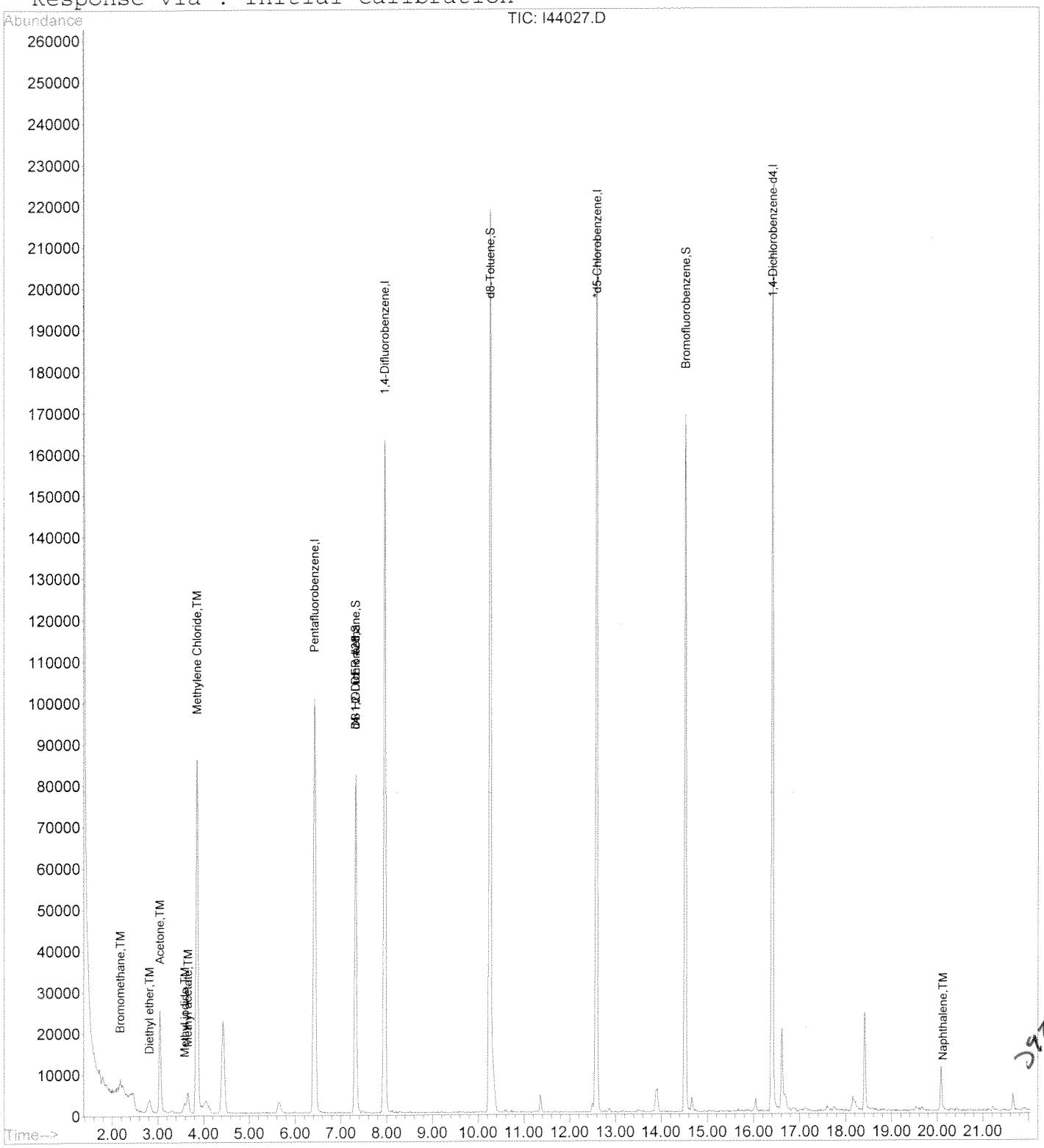
Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44027.D
Acq On : 28 Sep 2010 2:44 pm
Sample : 67835-3
Misc : ,4.96,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 15:12 2010

Vial: 16
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

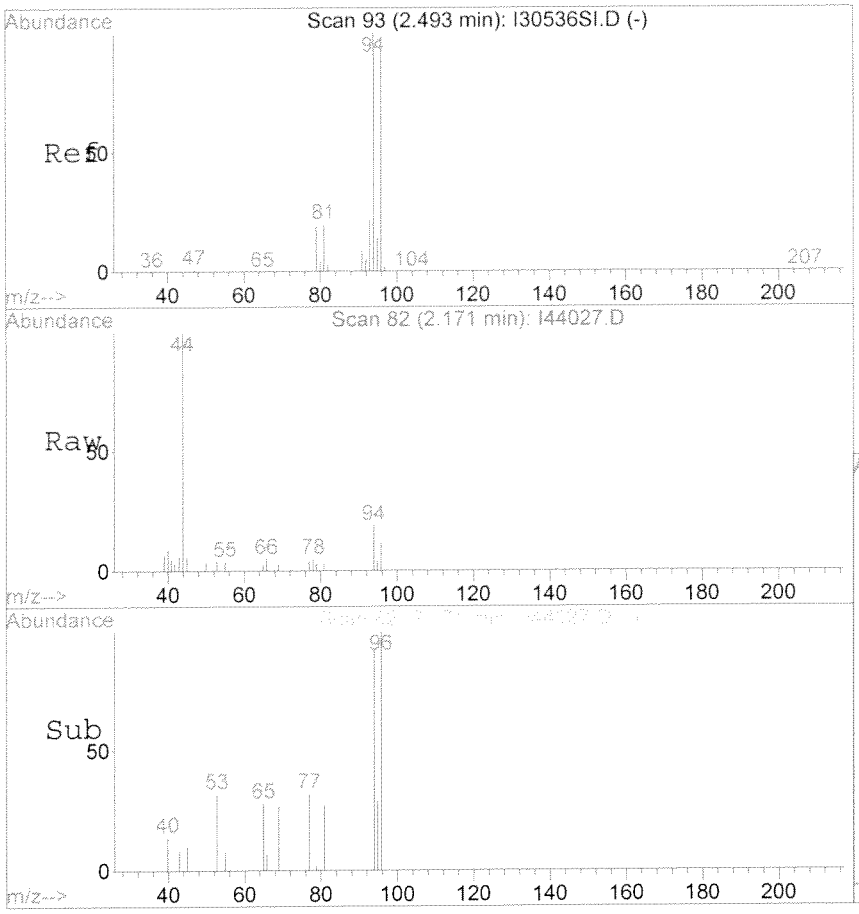
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



I44027.D VS09270I.M Tue Sep 28 15:12:56 2010 Page 2

MT 9/29/10

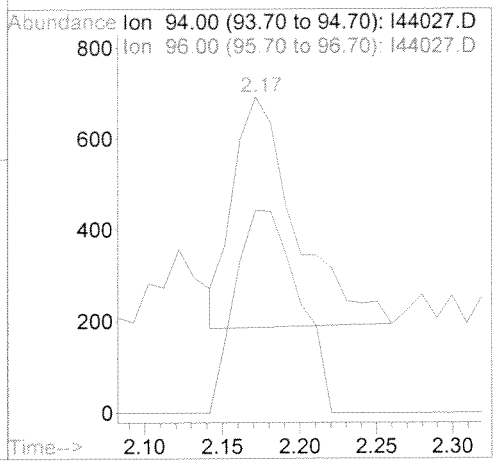


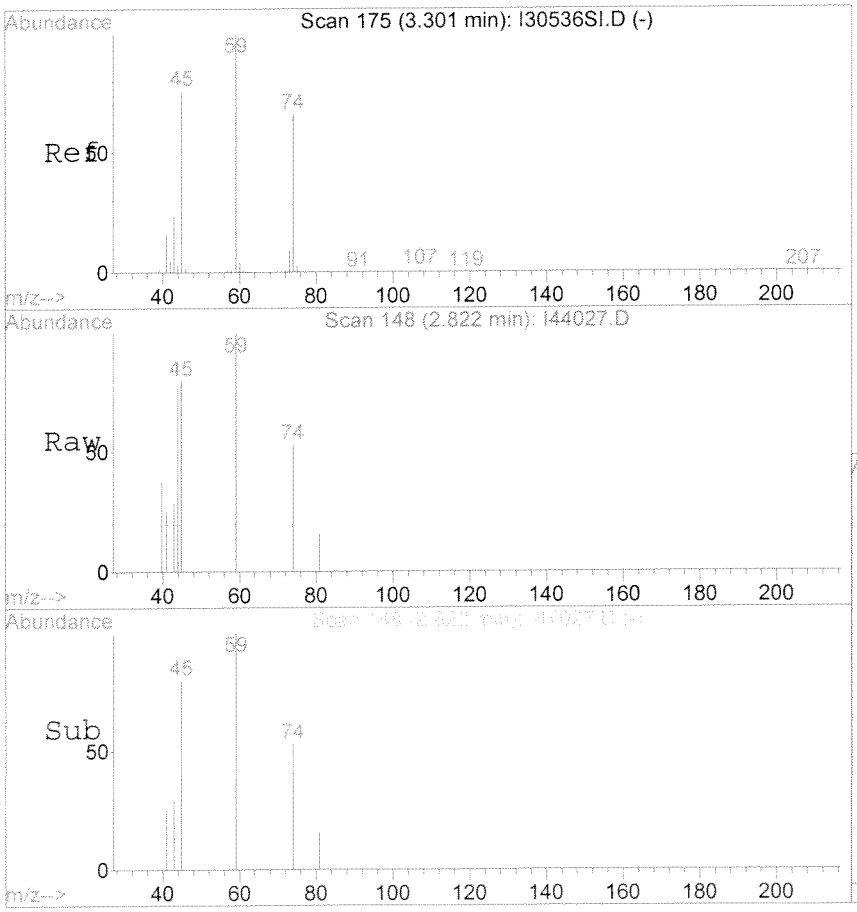
#5
Bromomethane
Concen: 0.61 ug/L
RT: 2.17 min Scan# 82
Delta R.T. 0.01 min
Lab File: I44027.D
Acq: 28 Sep 2010 2:44 pm

Tgt Ion: 94 Resp: 1418

Ion	Ratio	Lower	Upper
94	100		
96	88.8	76.0	116.0

X



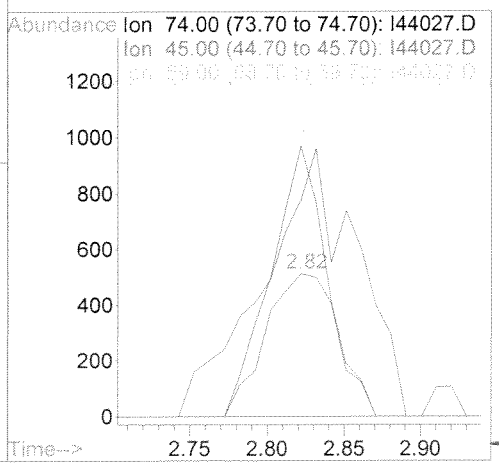


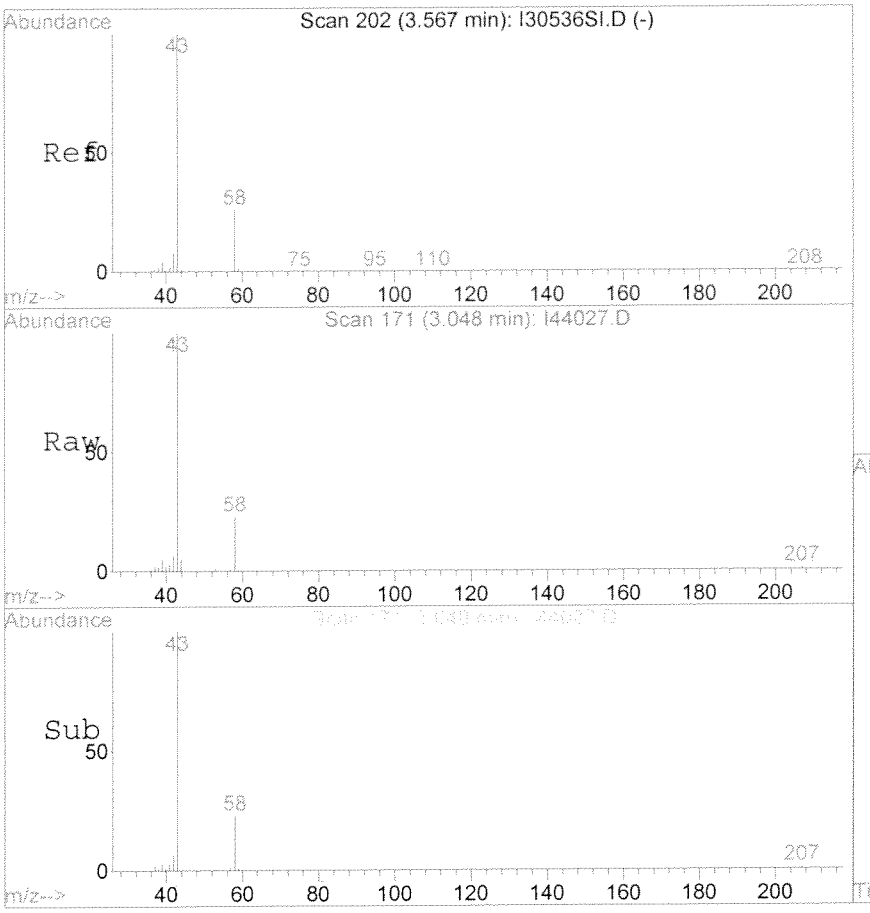
#9
Diethyl ether
Concen: 1.15 ug/L
RT: 2.82 min Scan# 148
Delta R.T. 0.02 min
Lab File: I44027.D
Acq: 28 Sep 2010 2:44 pm

Tgt Ion: 74 Resp: 1665

Ion	Ratio	Lower	Upper
74	100		
45	243.2	107.2	160.8#
59	149.2	127.4	191.2

X

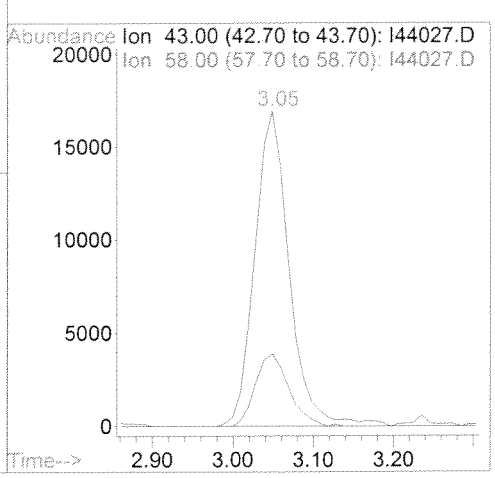


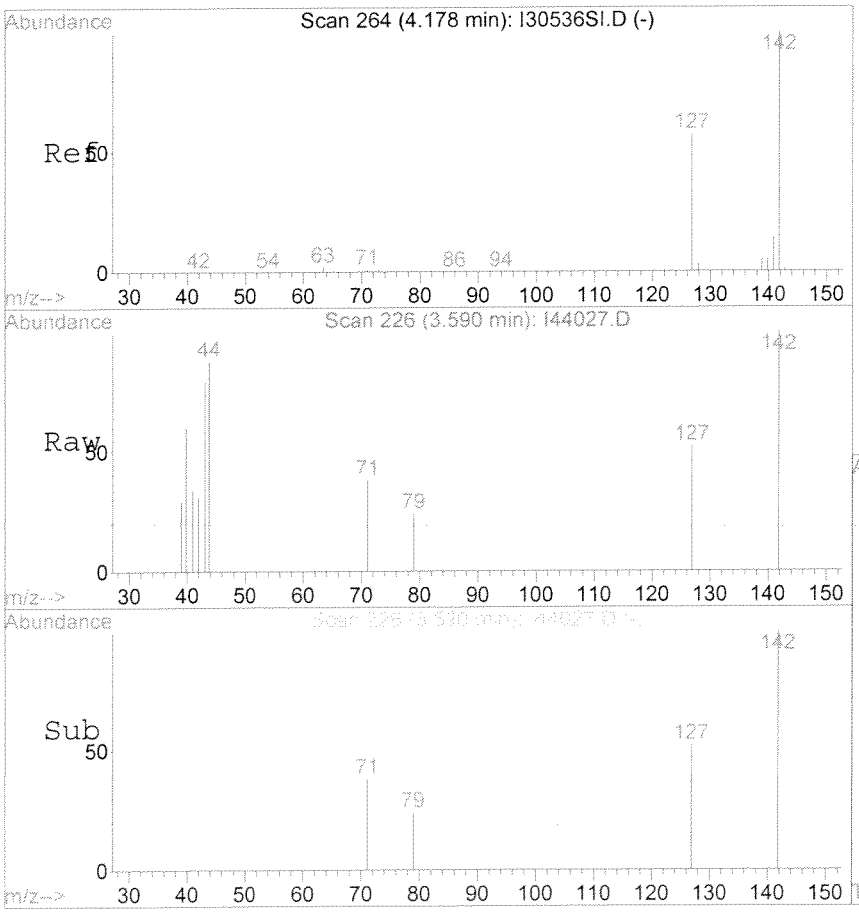


#12 MT 9/29/10
Acetone
Concen: 38.57 ug/L
RT: 3.05 min Scan# 171
Delta R.T. 0.02 min
Lab File: I44027.D
Acq: 28 Sep 2010 2:44 pm

Tgt Ion: 43 Resp: 50444

Ion	Ratio	Lower	Upper
43	100		
58	22.4	18.3	27.5

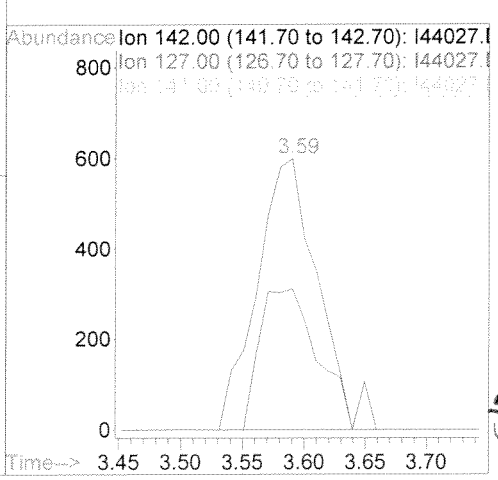




#14
Methyl iodide
Concen: 0.50 ug/L
RT: 3.59 min Scan# 226
Delta R.T. 0.03 min
Lab File: I44027.D
Acq: 28 Sep 2010 2:44 pm

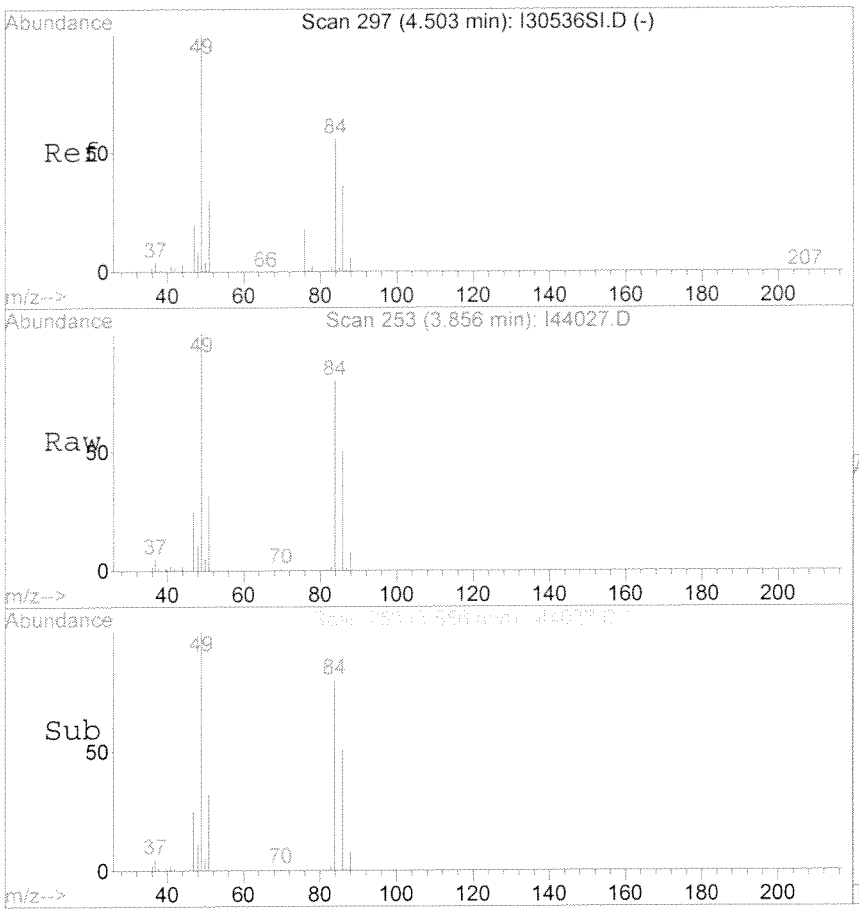
Tgt Ion:142 Resp: 2063

Ion	Ratio	Lower	Upper
142	100		
127	49.1	41.0	61.4
141	0.0	11.2	16.8#



9/29/10

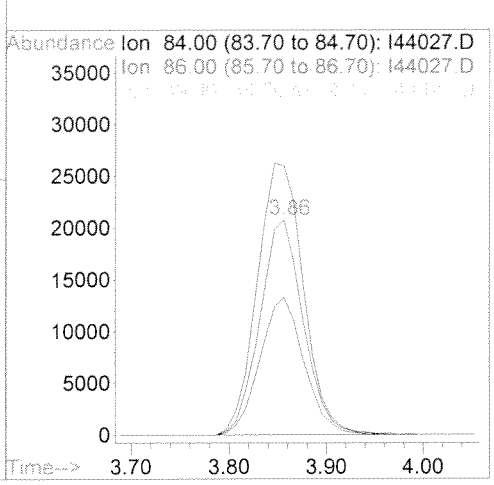
MT 9/29/10

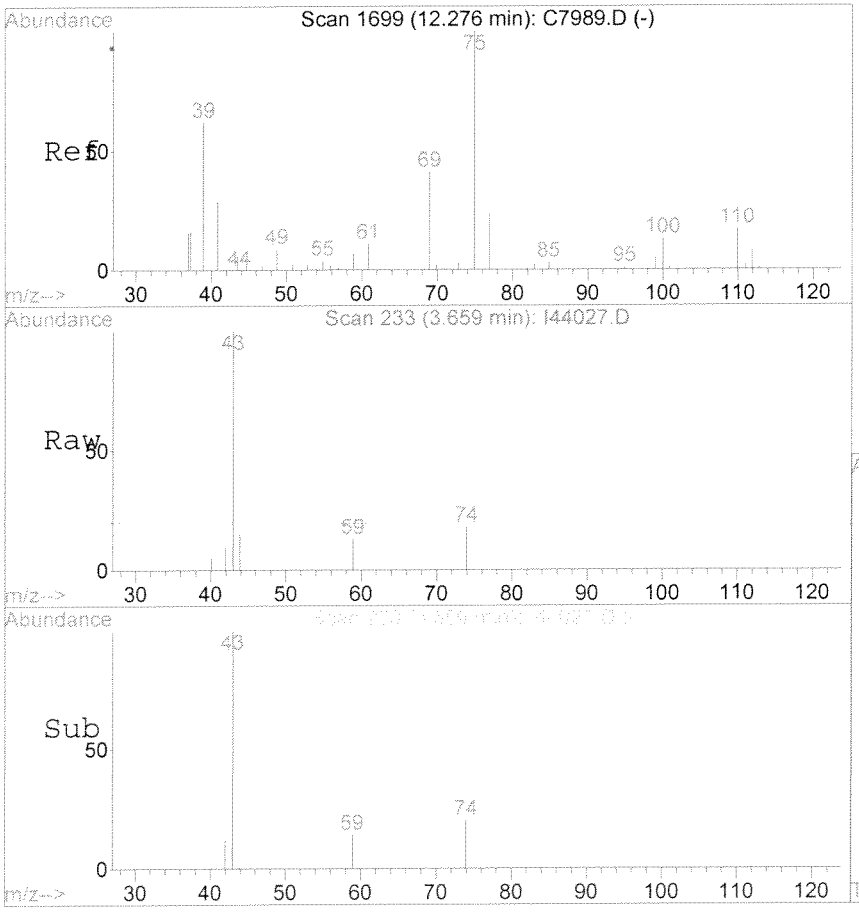


#16
Methylene Chloride
Concen: 14.04 ug/L
RT: 3.86 min Scan# 253
Delta R.T. 0.03 min
Lab File: I44027.D
Acq: 28 Sep 2010 2:44 pm

Tgt Ion: 84 Resp: 64573

Ion	Ratio	Lower	Upper
84	100		
86	64.0	45.8	85.8
49	124.8	116.6	156.6



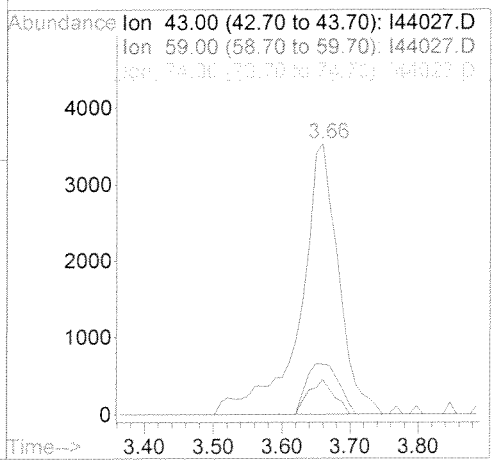


#43
Methyl acetate
Concen: 4.31 ug/L
RT: 3.66 min Scan# 233
Delta R.T. 0.02 min
Lab File: I44027.D
Acq: 28 Sep 2010 2:44 pm

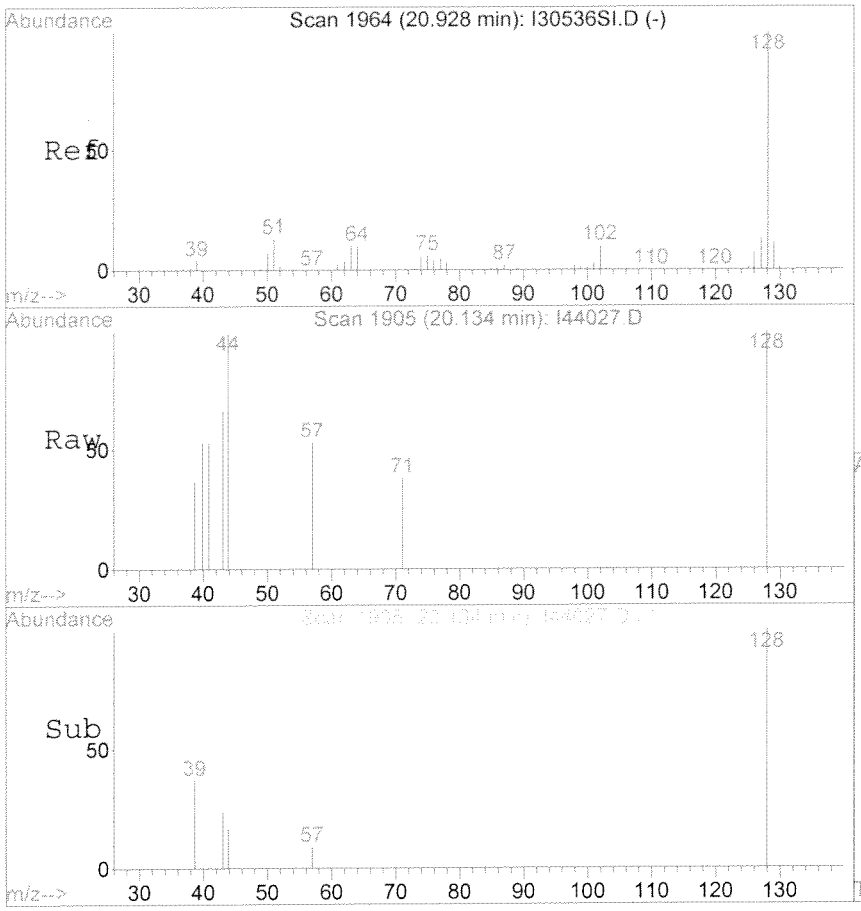
Tgt Ion: 43 Resp: 13731

Ion	Ratio	Lower	Upper
43	100		
59	8.4	7.6	11.4
74	15.8	15.8	23.6

MT



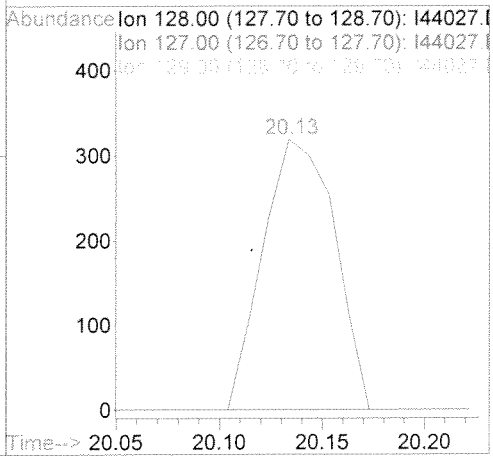
D929W



#96 NT 9/29/10
Naphthalene
Concen: 0.89 ug/L
RT: 20.13 min Scan# 1905
Delta R.T. 0.01 min
Lab File: I44027.D
Acq: 28 Sep 2010 2:44 pm

Tgt Ion:128 Resp: 776

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67835-4
Matrix: Solid
Percent Solid: 87
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82
Project Number: 106-2282
Field Sample ID: C-B82-GTM4-SW-4

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	**1.0 J**
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	**41**	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	**19**	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	104	%	d8-Toluene	102	%	Bromofluorobenzen	98	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44028.D Vial: 17
Acq On : 28 Sep 2010 3:12 pm Operator: MT
Sample : 67835-4 Inst : Instrumen
Misc : ,5.78,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:42 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5)/(5.78)(.8678) = 1.0

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	109969	20.00	ug/L	0.03
39) 1,4-Difluorobenzene	7.95	114	202263	20.00	ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	174464 ✓	20.00	ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.40	152	72852	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.31	65	97657	20.78	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery	=	103.90% ✓	
36) d4-1,2-Dichloroethane	7.31	65	97657	20.78	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery	=	103.90% ✓	
54) d8-Toluene	10.25	98	222843	20.50	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery	=	102.50% ✓	
73) Bromofluorobenzene	14.51	95	87620	19.67	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery	=	98.35% ✓	

Target Compounds						Qvalue
5) Bromomethane	2.18	94	1579	~~0.69~~	ug/L	95
9) Diethyl ether	2.82	74	1662	~~1.17~~	ug/L #	1
12) Acetone	3.05	43	52395	✓40.80	ug/L	99
16) Methylene Chloride	3.85	84	79804	✓19.29	ug/L	98
23) Methyl ethyl ketone	5.71	72	1150	~~3.24~~	ug/L	81
43) Methyl acetate	3.66	43	12271	3.95	ug/L #	92
60) Tetrachloroethene	11.36	166	2947	1.02	ug/L	96
96) Naphthalene	20.14	128	775	~~0.90~~	ug/L	68

429ω

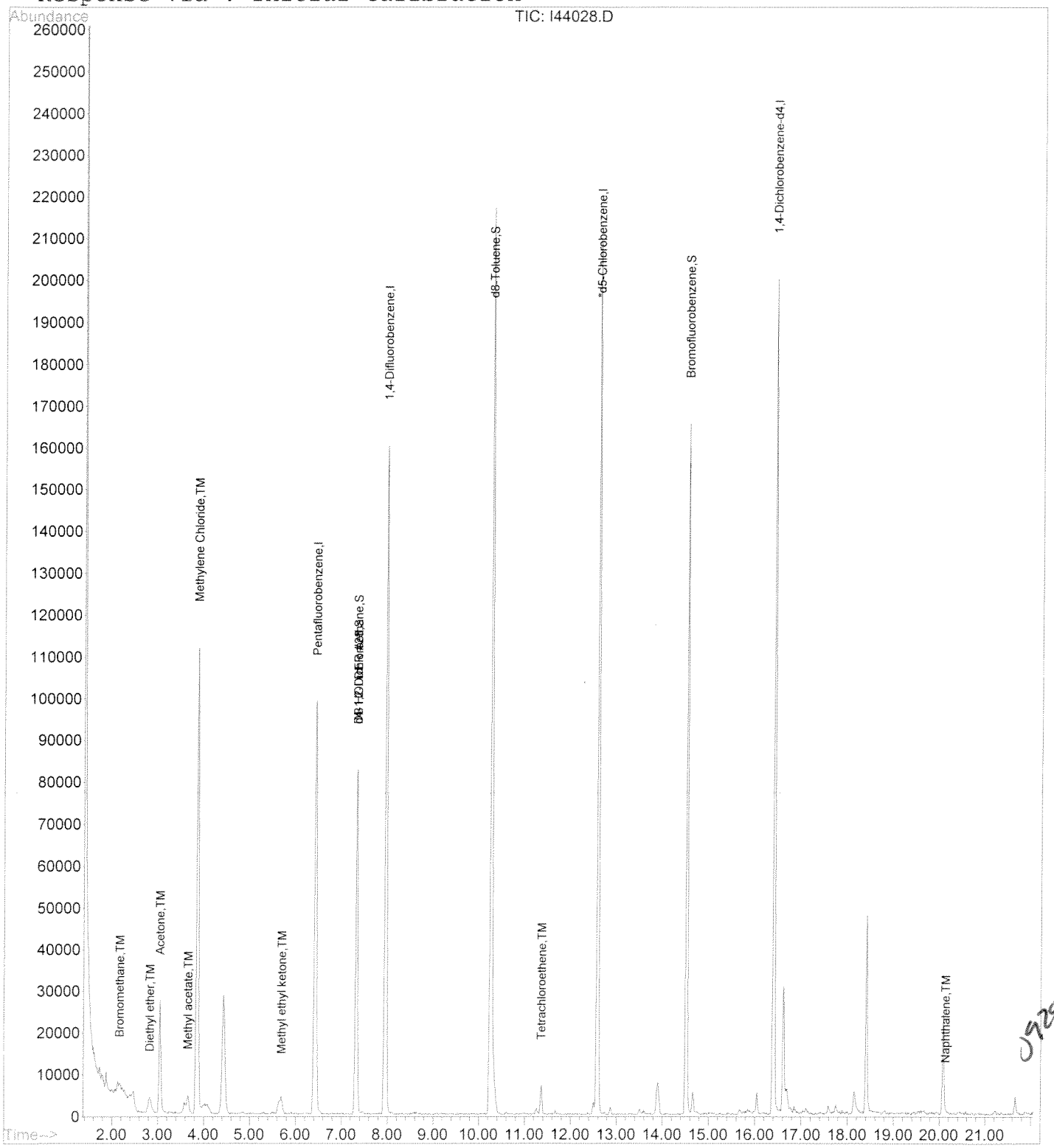
(#) = qualifier out of range (m) = manual integration
I44028.D VS09270I.M Wed Sep 29 06:42:54 2010 Page 1

Quantitation Report

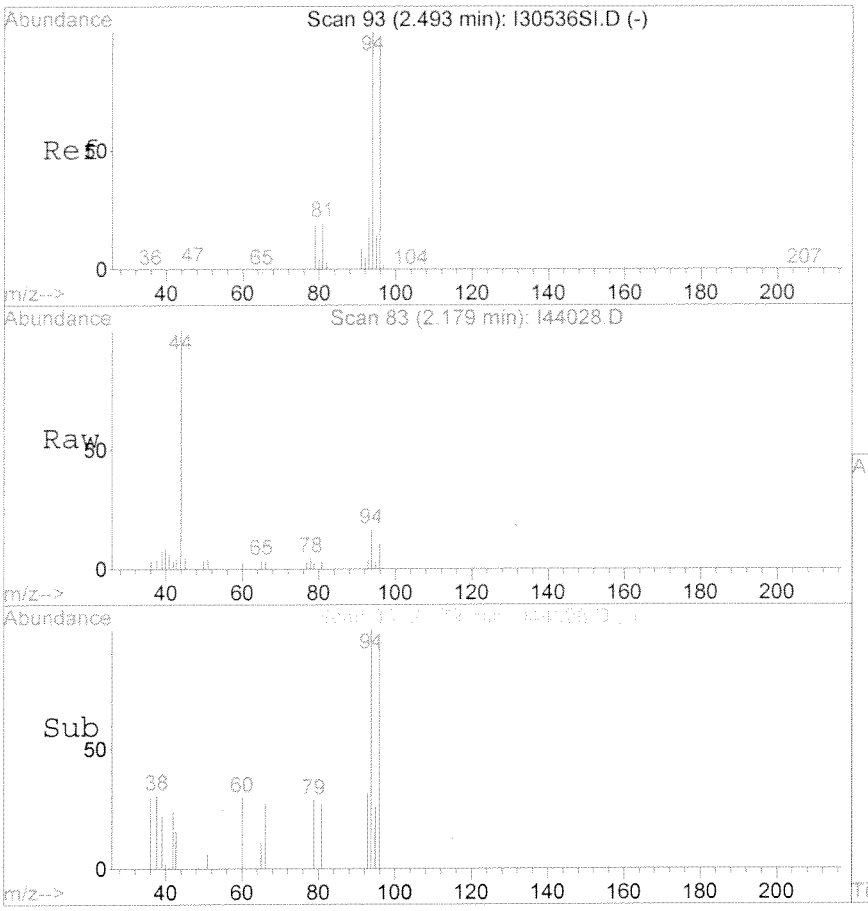
Data File : C:\HPCHEM\1\DATA\092810-I\I44028.D Vial: 17
Acq On : 28 Sep 2010 3:12 pm Operator: MT
Sample : 67835-4 Inst : Instrumen
Misc : ,5.78,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:42 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



09290

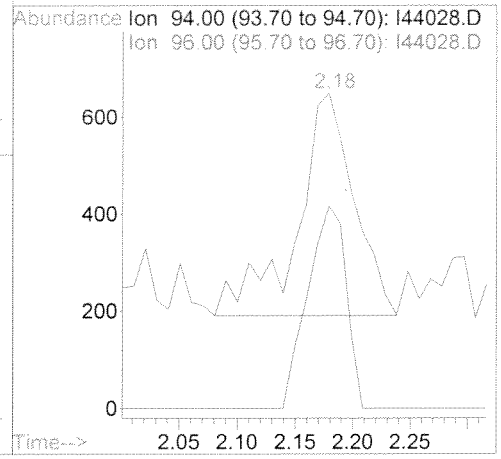


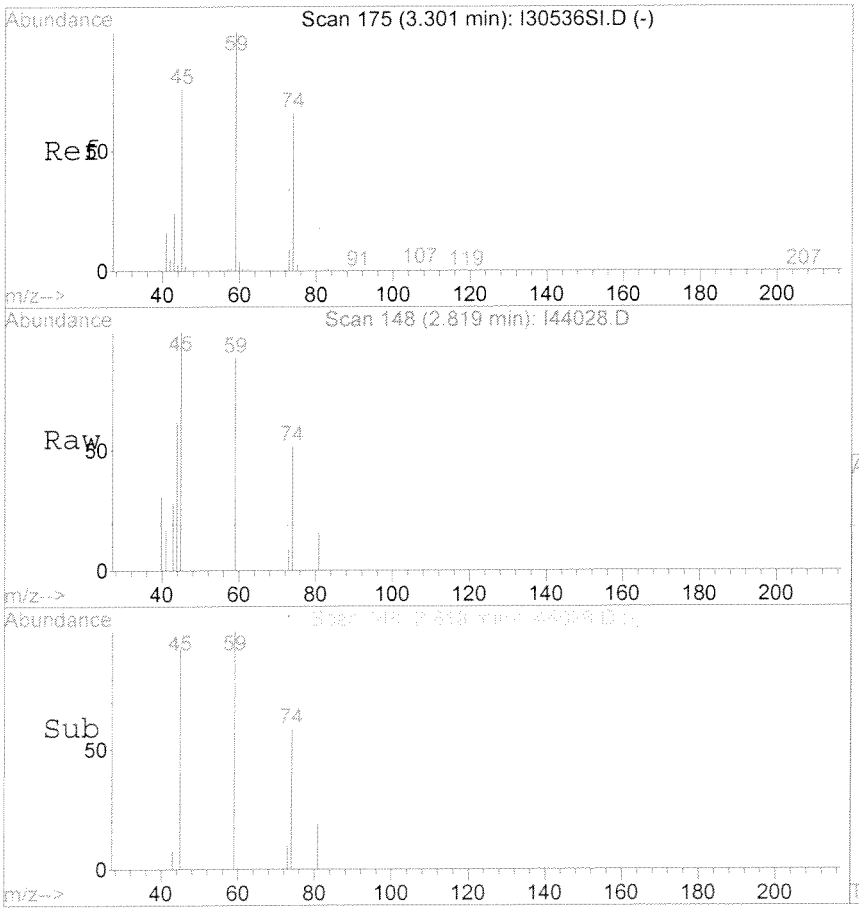
MT 9/29/10

#5
Bromomethane
Concen: 0.69 ug/L
RT: 2.18 min Scan# 83
Delta R.T. 0.02 min
Lab File: I44028.D
Acq: 28 Sep 2010 3:12 pm

Tgt Ion: 94 Resp: 1579

Ion	Ratio	Lower	Upper
94	100		
96	90.8	76.0	116.0

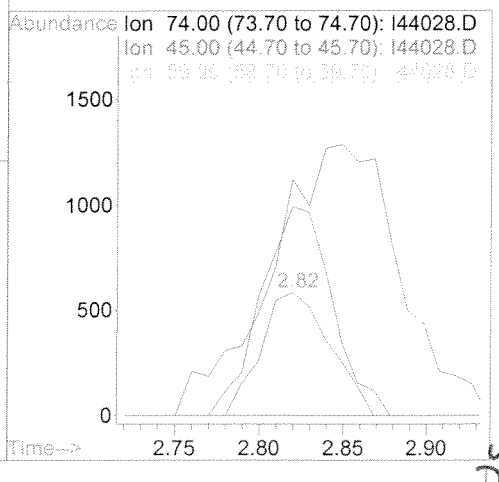


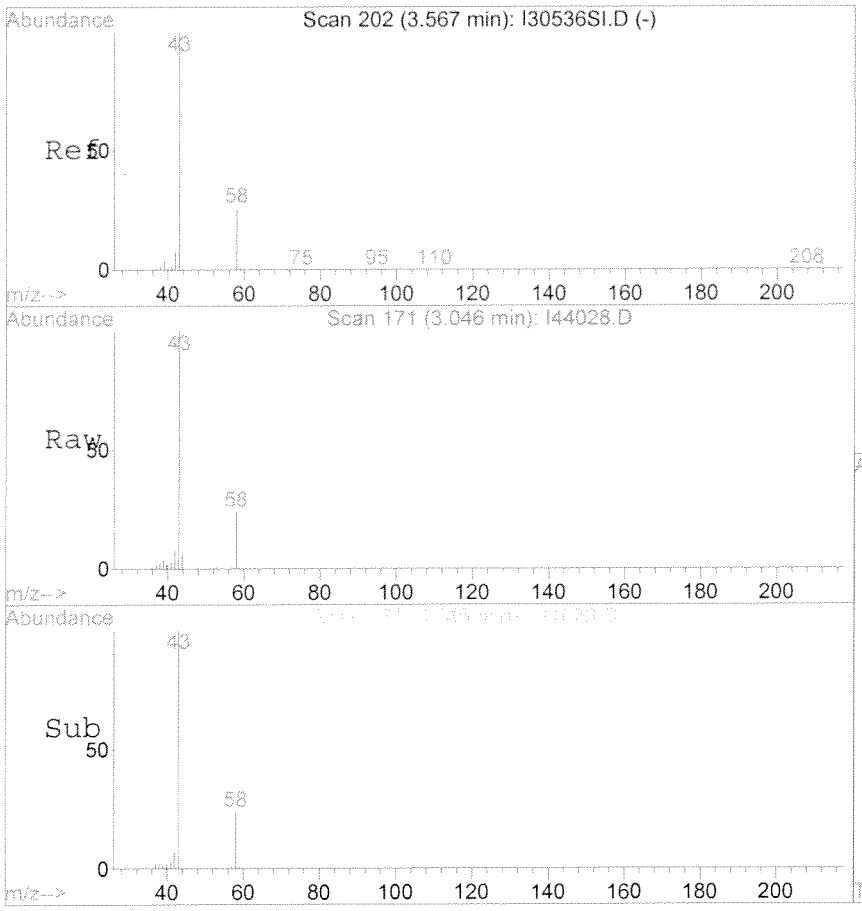


#9
Diethyl ether
Concen: 1.17 ug/L
RT: 2.82 min Scan# 148
Delta R.T. 0.02 min
Lab File: I44028.D
Acq: 28 Sep 2010 3:12 pm

Tgt Ion: 74 Resp: 1662

Ion	Ratio	Lower	Upper
74	100		
45	413.9	107.2	160.8#
59	175.6	127.4	191.2

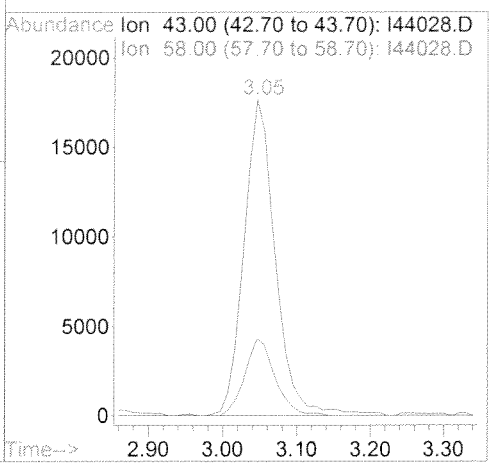


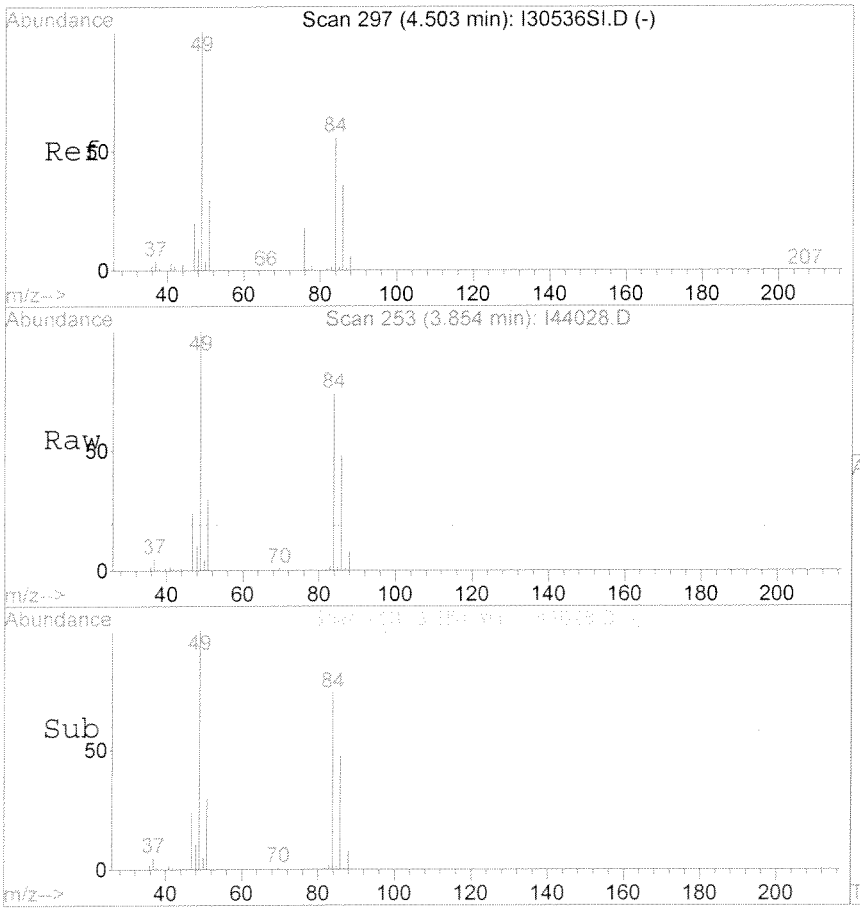


#12 MT 9/29/10
Acetone
Concen: 40.80 ug/L
RT: 3.05 min Scan# 171
Delta R.T. 0.02 min
Lab File: I44028.D
Acq: 28 Sep 2010 3:12 pm

Tgt Ion: 43 Resp: 52395

Ion	Ratio	Lower	Upper
43	100		
58	23.5	18.3	27.5

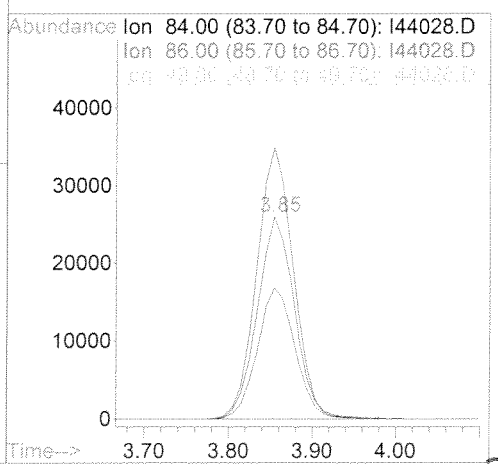




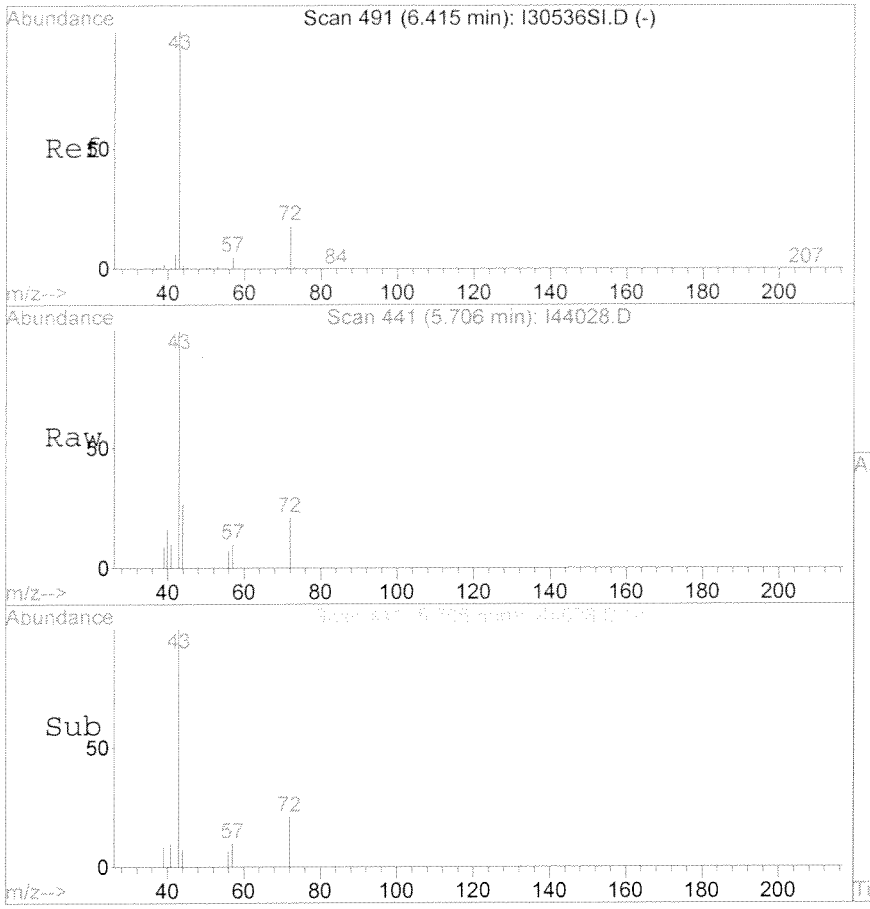
#16
Methylene Chloride
Concen: 19.29 ug/L
RT: 3.85 min Scan# 253
Delta R.T. 0.03 min
Lab File: I44028.D
Acq: 28 Sep 2010 3:12 pm

Tgt Ion: 84 Resp: 79804

Ion	Ratio	Lower	Upper
84	100		
86	64.7	45.8	85.8
49	134.5	116.6	156.6



MT 9/29/10



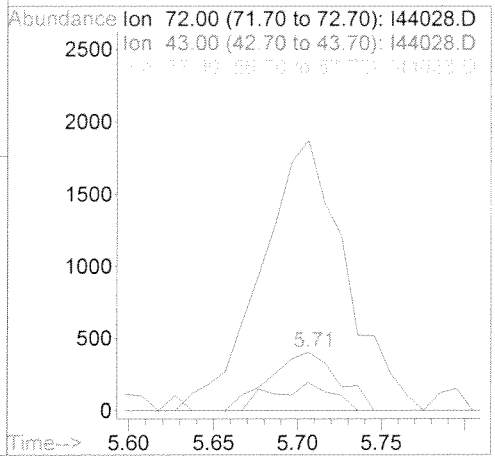
#23
Methyl ethyl ketone
Concen: 3.24 ug/L
RT: 5.71 min Scan# 441
Delta R.T. 0.04 min
Lab File: I44028.D
Acq: 28 Sep 2010 3:12 pm

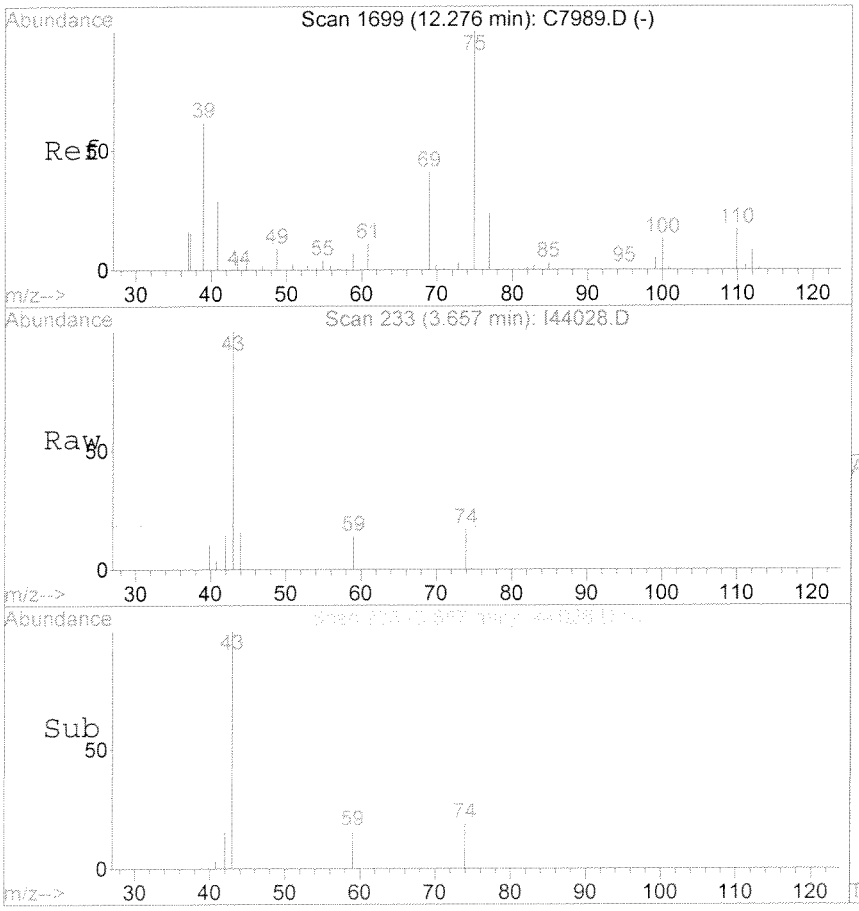
Tgt Ion: 72 Resp: 1150

Ion	Ratio	Lower	Upper
72	100		
43	568.2	408.4	612.6
57	41.0	31.8	47.8

X

<10



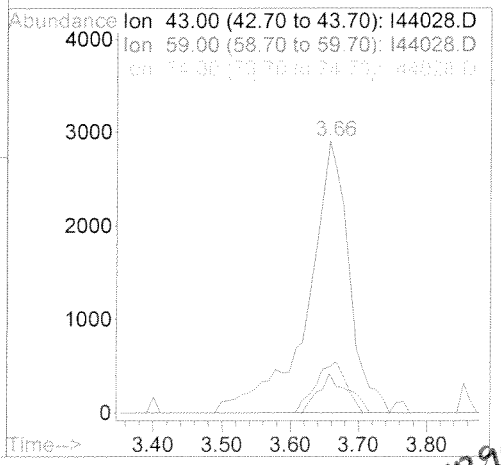


#43
Methyl acetate
Concen: 3.95 ug/L
RT: 3.66 min Scan# 233
Delta R.T. 0.02 min
Lab File: I44028.D
Acq: 28 Sep 2010 3:12 pm

Tgt Ion: 43 Resp: 12271

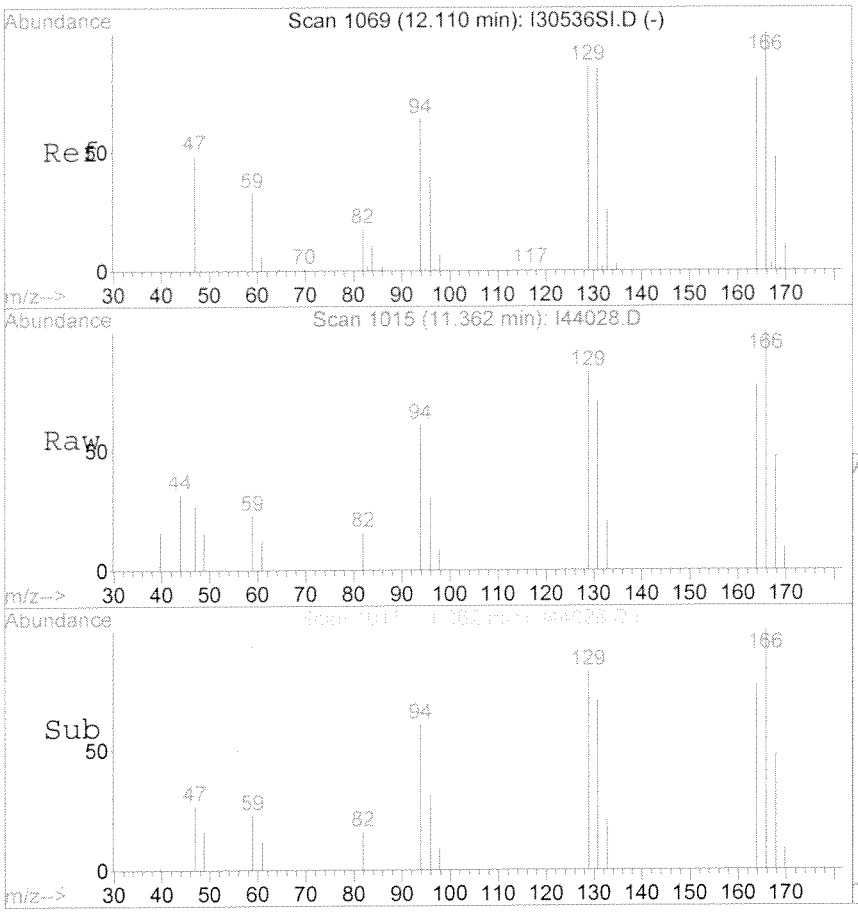
Ion	Ratio	Lower	Upper
43	100		
59	9.0	7.6	11.4
74	14.9	15.8	23.6#

MT



392900

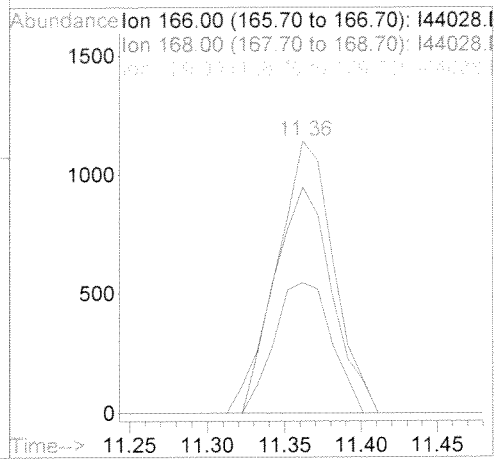
MT 9/29/10

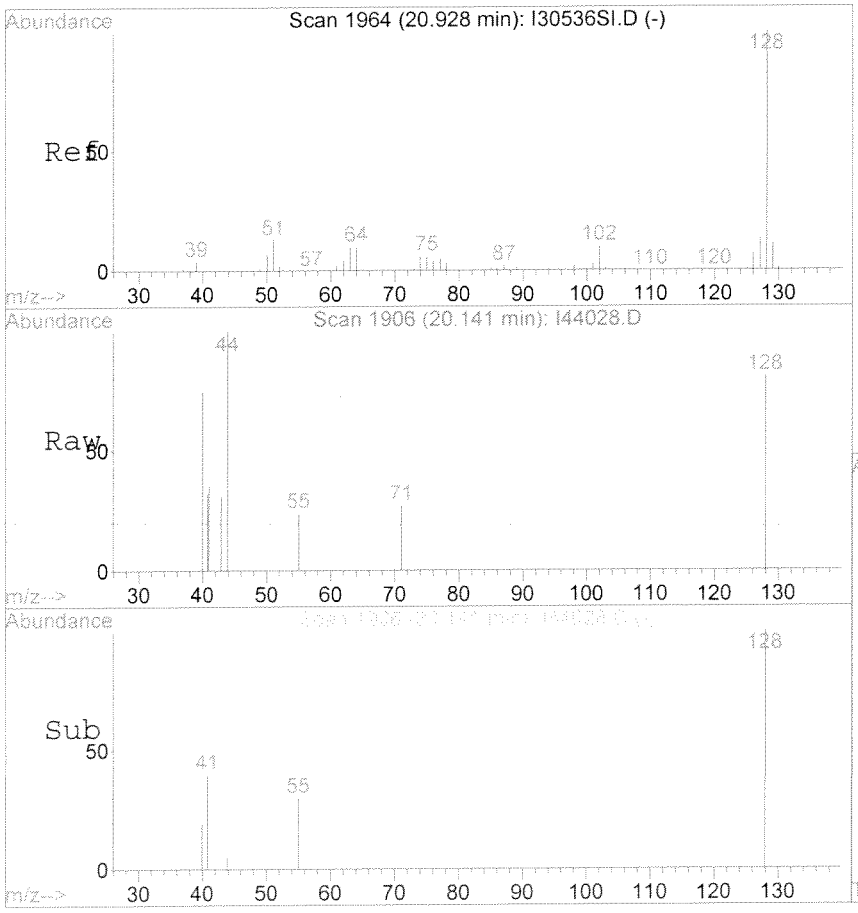


#60
Tetrachloroethene
Concen: 1.02 ug/L
RT: 11.36 min Scan# 1015
Delta R.T. 0.02 min
Lab File: I44028.D
Acq: 28 Sep 2010 3:12 pm

Tgt Ion:166 Resp: 2947

Ion	Ratio	Lower	Upper
166	100		
168	47.7	29.9	69.9
129	82.9	59.2	99.2

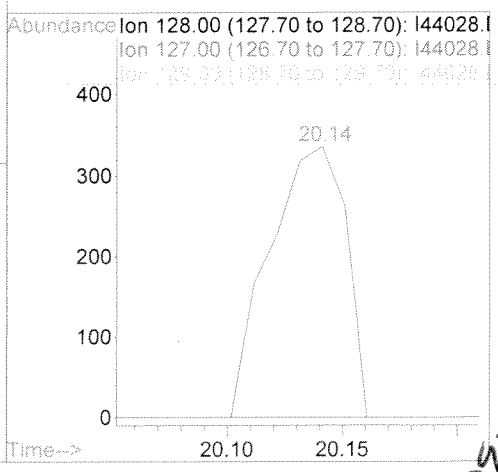




#96
Naphthalene
Concen: 0.90 ug/L
RT: 20.14 min Scan# 1906
Delta R.T. 0.02 min
Lab File: I44028.D
Acq: 28 Sep 2010 3:12 pm

Tgt Ion:128 Resp: 775

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8



9/29/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67835-5
Matrix: Solid
Percent Solid: 78
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Field Sample ID: C-B82-GTM4-B-5

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2.2	U	1,1,2-Trichloroethane	2.2	U
Chloromethane	2.2	U	1,3-Dichloropropane	2.2	U
Vinyl Chloride	2.2	U	Tetrachloroethene	2.2	U
Bromomethane	2.2	U	2-Hexanone	11	U
Chloroethane	2.2	U	Dibromochloromethane	2.2	U
Trichlorofluoromethane	2.2	U	1,2-Dibromoethane	2.2	U
1,1-Dichloroethene	2.2	U	Chlorobenzene	2.2	U
Acetone	11	**28**	1,1,1,2-Tetrachloroethane	2.2	U
Methyl iodide	2.2	U	Ethylbenzene	2.2	U
Carbon Disulfide	2.2	U	o-Xylene	2.2	U
Methylene Chloride	11	**22**	m,p-Xylene	2.2	U
trans-1,2-Dichloroethene	2.2	U	Styrene	2.2	U
Methyl-tert-butyl ether (MTBE)	2.2	U	Bromoform	2.2	U
1,1-Dichloroethane	2.2	U	Isopropylbenzene	2.2	U
Vinyl acetate	5.5	U	1,1,2,2-Tetrachloroethane	2.2	U
Methyl ethyl ketone	11	U	Bromobenzene	2.2	U
cis-1,2-Dichloroethene	2.2	U	1,2,3-Trichloropropane	2.2	U
2,2-Dichloropropane	2.2	U	n-Propylbenzene	2.2	U
Bromochloromethane	2.2	U	2-Chlorotoluene	2.2	U
Chloroform	2.2	U	1,3,5-Trimethylbenzene	2.2	U
1,1,1-Trichloroethane	2.2	U	4-Chlorotoluene	2.2	U
1,1-Dichloropropene	2.2	U	tert-butylbenzene	2.2	U
Carbon Tetrachloride	2.2	U	1,2,4-Trimethylbenzene	2.2	U
1,2-Dichloroethane	2.2	U	sec-butylbenzene	2.2	U
Benzene	2.2	U	p-isopropyltoluene	2.2	U
Trichloroethene	2.2	U	1,3-Dichlorobenzene	2.2	U
1,2-Dichloropropane	2.2	U	1,4-Dichlorobenzene	2.2	U
Dibromomethane	2.2	U	n-butylbenzene	2.2	U
Bromodichloromethane	2.2	U	1,2-Dichlorobenzene	2.2	U
cis-1,3-Dichloropropene	2.2	U	1,2-Dibromo-3-chloropropane	2.2	U
Methyl isobutyl ketone	11	U	1,2,4-Trichlorobenzene	2.2	U
Toluene	2.2	U	Hexachlorobutadiene	2.2	U
trans-1,3-Dichloropropene	2.2	U	Naphthalene	2.2	U
			1,2,3-Trichlorobenzene	2.2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	101	%	d8-Toluene	101	%	Bromofluorobenzen	99 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44026.D Vial: 15
Acq On : 28 Sep 2010 2:16 pm Operator: MT
Sample : 67835-5 Inst : Instrumen
Misc : ,5.89,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:38 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5)/(5.89)(.776) = 1.1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	114270	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	7.95	114	210223 ✓	20.00	ug/L	0.02
63) *d5-Chlorobenzene	12.58	117	181772	20.00	ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.39	152	76287	20.00	ug/L	0.01

System Monitoring Compounds						
28) DB HOLDER #28	7.32	65	99098	20.29	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.45% ✓			
36) d4-1,2-Dichloroethane	7.32	65	99098	20.29	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.45% ✓			
54) d8-Toluene	10.25	98	228356	20.21	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.05% ✓			
73) Bromofluorobenzene	14.51	95	92101	19.84	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.20% ✓			

Target Compounds						Qvalue
~~5)~~ Bromomethane	2.18	94	1196	~~0.50~~	ug/L	85
12) Acetone	3.05	43	33902	25.41	ug/L	100
16) Methylene Chloride	3.86	84	85733	20.15	ug/L	97
~~60)~~ Tetrachloroethene	11.37	166	2020	~~0.67~~	ug/L	94
~~96)~~ Naphthalene	20.13	128	1014	~~0.93~~	ug/L	62

J 9/29/10

(#) = qualifier out of range (m) = manual integration
I44026.D VS09270I.M Tue Sep 28 14:38:39 2010 Page 1

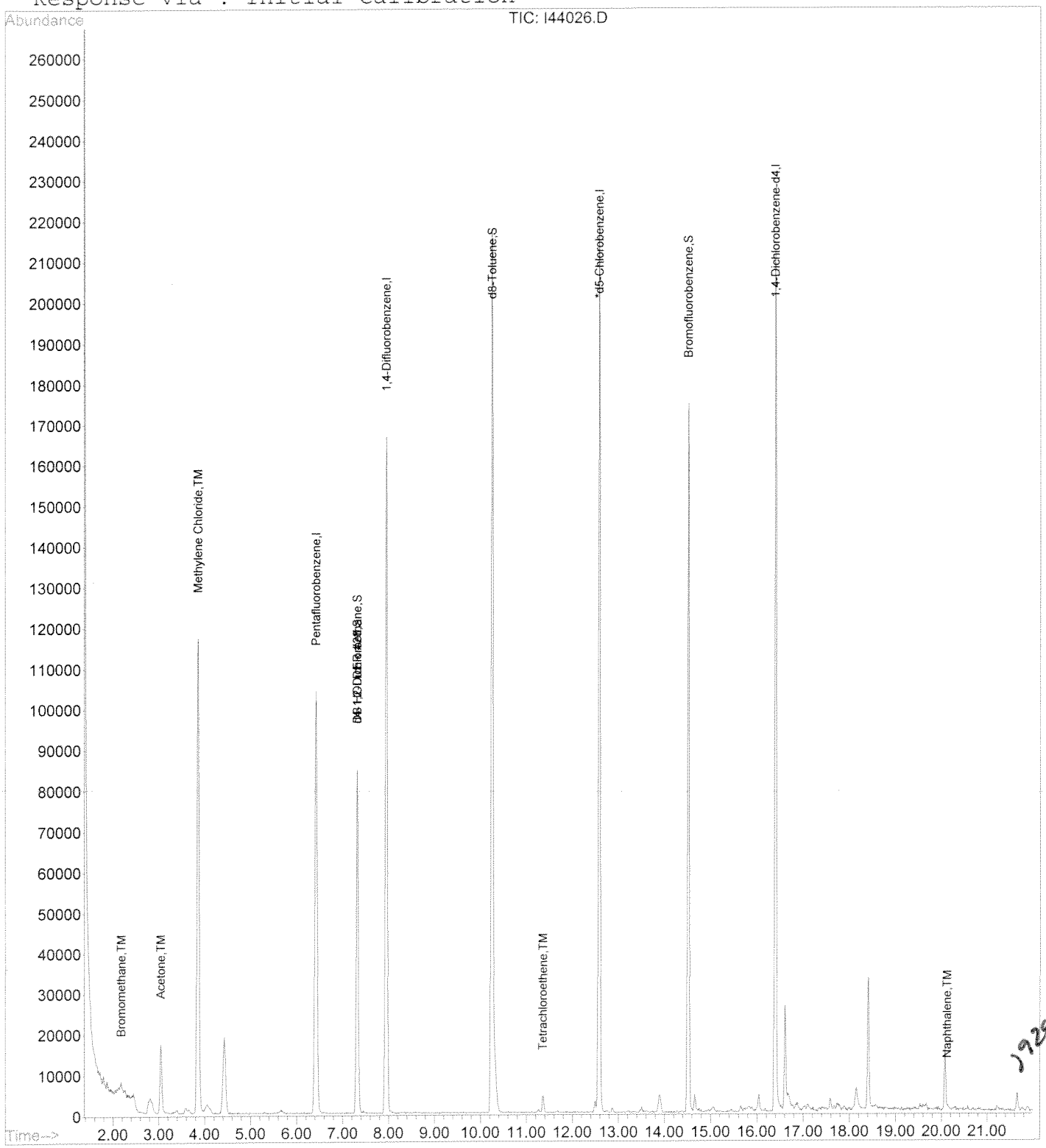
Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44026.D
Acq On : 28 Sep 2010 2:16 pm
Sample : 67835-5
Misc : ,5.89,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 14:38 2010

Vial: 15
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

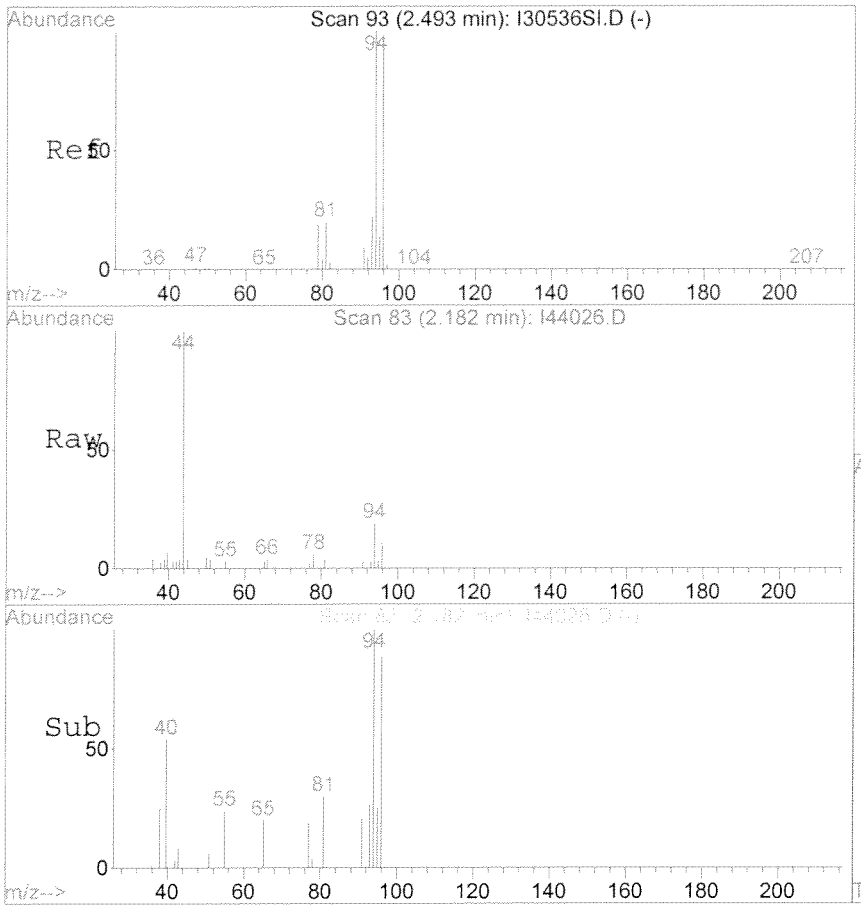
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



J9290

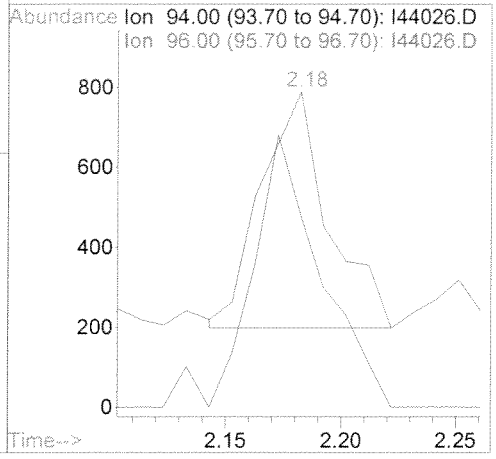
NT 9/29/10

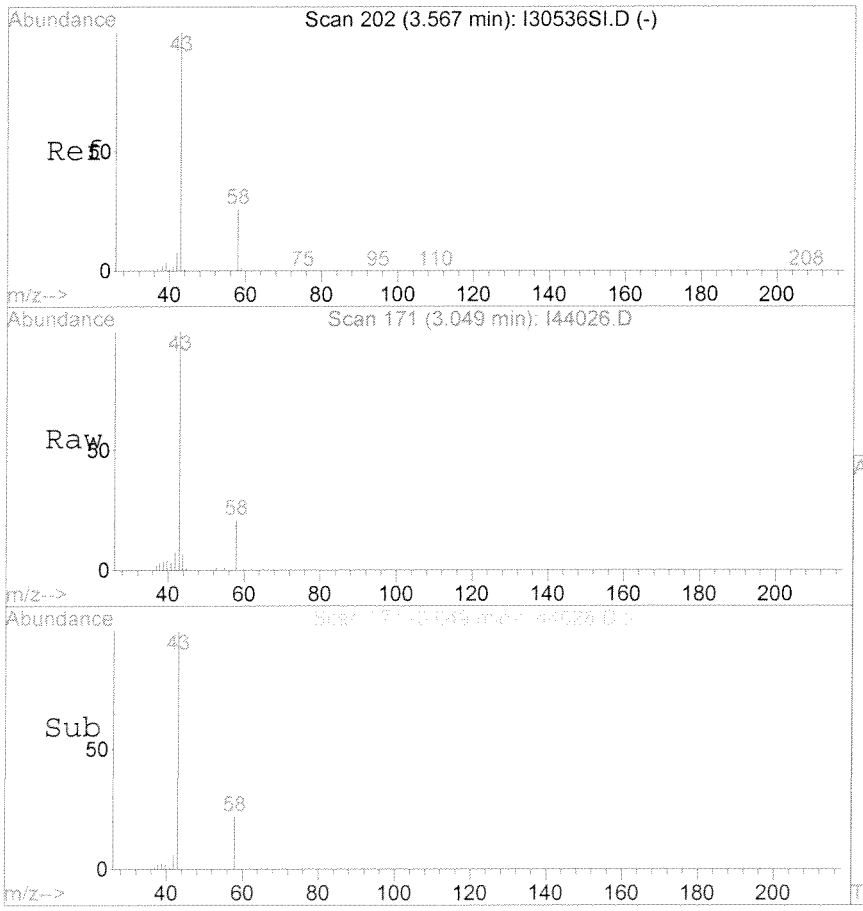


#5
Bromomethane
Concen: 0.50 ug/L
RT: 2.18 min Scan# 83
Delta R.T. 0.02 min
Lab File: I44026.D
Acq: 28 Sep 2010 2:16 pm

Tgt Ion: 94 Resp: 1196

Ion	Ratio	Lower	Upper
94	100		
96	80.9	76.0	116.0

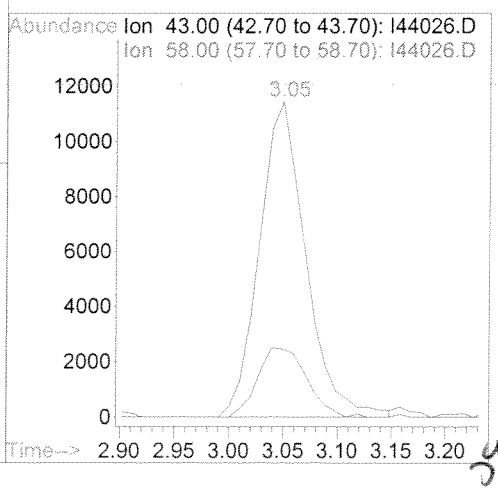




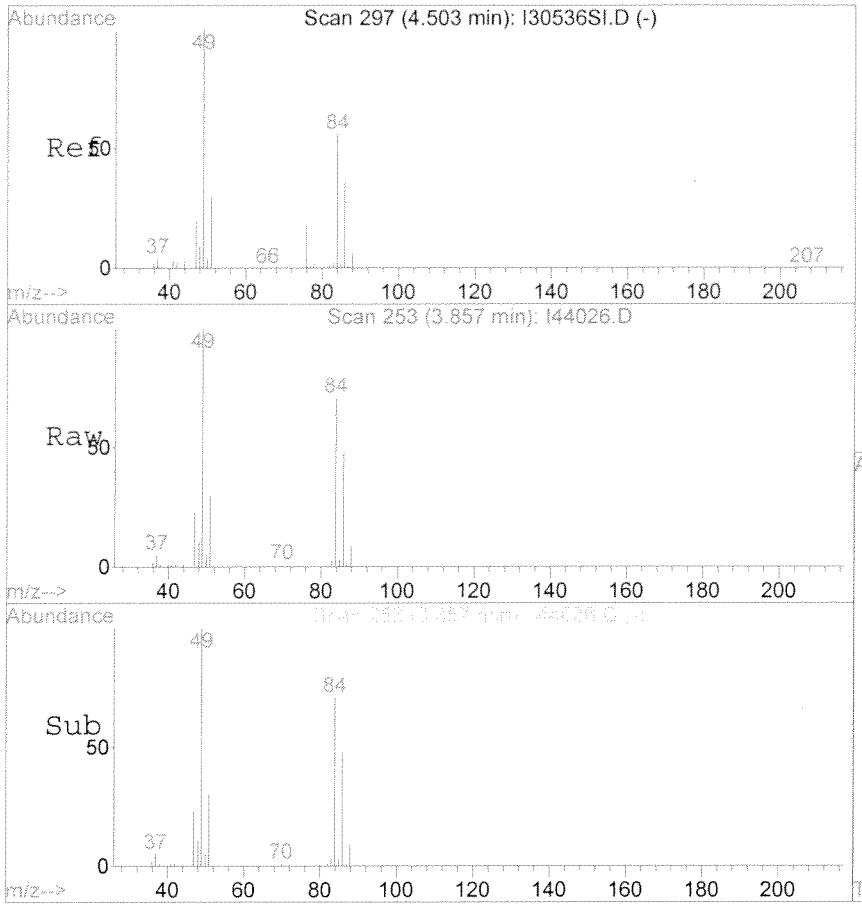
#12
Acetone
Concen: 25.41 ug/L
RT: 3.05 min Scan# 171
Delta R.T. 0.02 min
Lab File: I44026.D
Acq: 28 Sep 2010 2:16 pm

Tgt Ion: 43 Resp: 33902

Ion	Ratio	Lower	Upper
43	100		
58	23.0	18.3	27.5



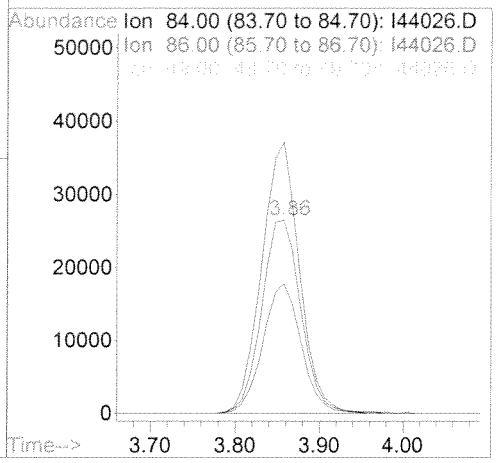
MT 9/29/10

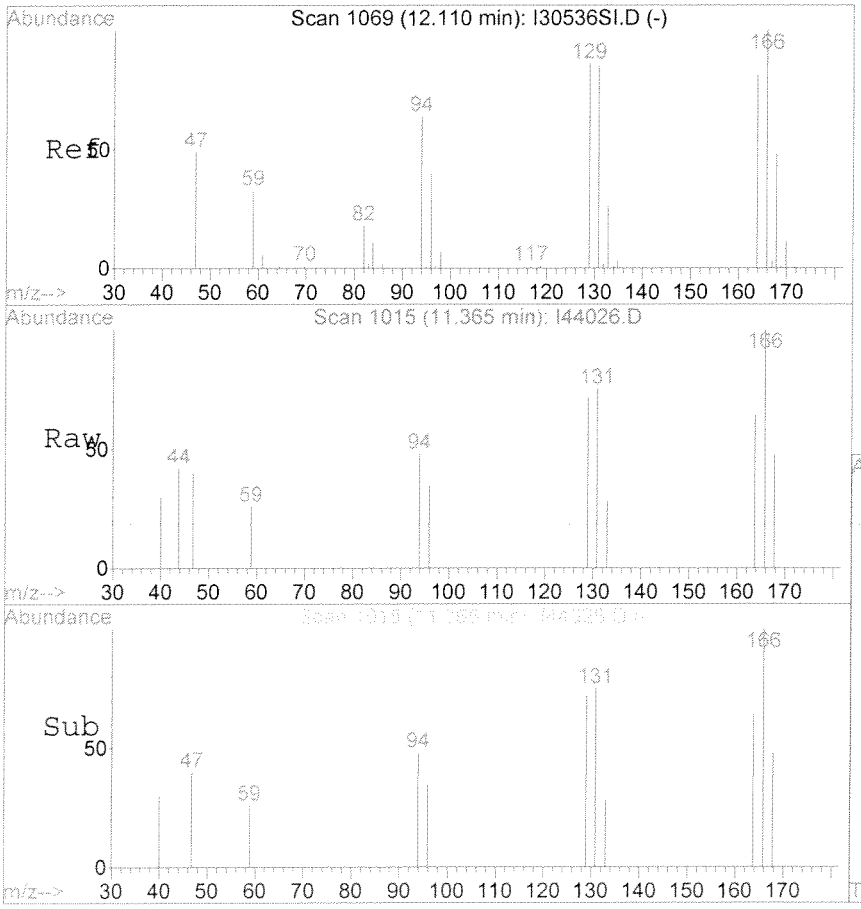


#16
Methylene Chloride
Concen: 20.15 ug/L
RT: 3.86 min Scan# 253
Delta R.T. 0.03 min
Lab File: I44026.D
Acq: 28 Sep 2010 2:16 pm

Tgt Ion: 84 Resp: 85733

Ion	Ratio	Lower	Upper
84	100		
86	67.1	45.8	85.8
49	140.2	116.6	156.6

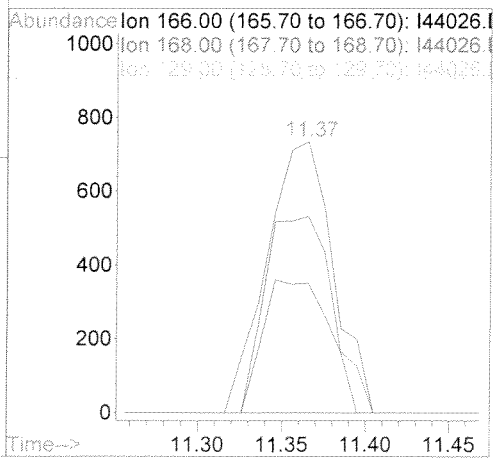




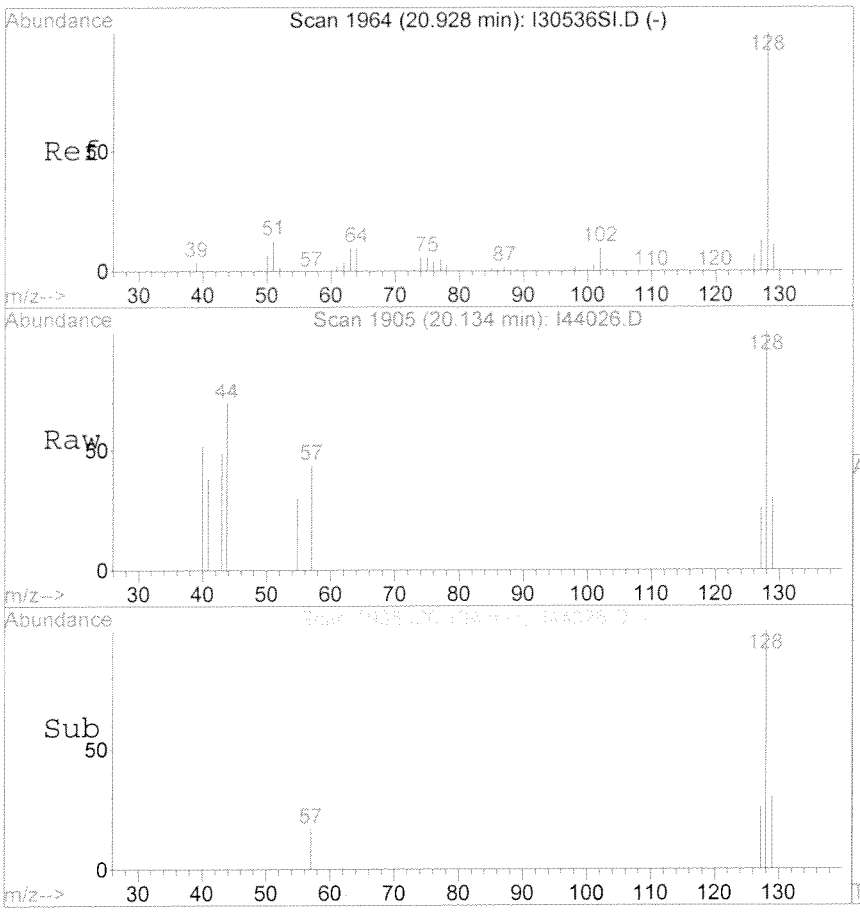
#60
Tetrachloroethene
Concen: 0.67 ug/L
RT: 11.37 min Scan# 1015
Delta R.T. 0.02 min
Lab File: I44026.D
Acq: 28 Sep 2010 2:16 pm

Tgt Ion:166 Resp: 2020

Ion	Ratio	Lower	Upper
166	100		
168	47.7	29.9	69.9
129	72.5	59.2	99.2



NT 9/29/10

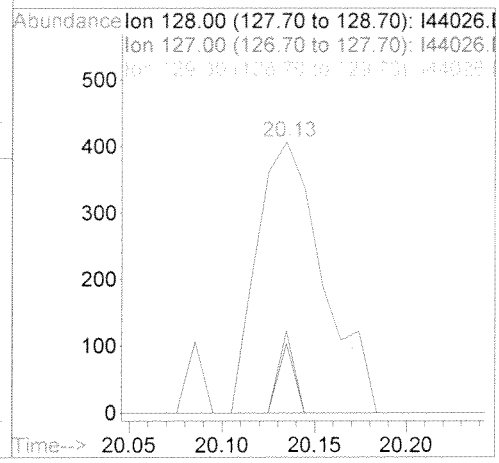


#96
Naphthalene
Concen: 0.93 ug/L
RT: 20.13 min Scan# 1905
Delta R.T. 0.01 min
Lab File: I44026.D
Acq: 28 Sep 2010 2:16 pm

Tgt Ion:128 Resp: 1014

Ion	Ratio	Lower	Upper
128	100		
127	25.6	0.0	33.5
129	30.2	0.0	31.8

X



L)

9/29/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 29, 2010

SAMPLE DATA

Lab Sample ID: 67835-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/28/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Field Sample ID: C-B82-GTM3-SW-2

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	2	U	1,1,2-Trichloroethane	2	U
Chloromethane	2	U	1,3-Dichloropropane	2	U
Vinyl Chloride	2	U	Tetrachloroethene	2	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	2	U	Dibromochloromethane	2	U
Trichlorofluoromethane	2	U	1,2-Dibromoethane	2	U
1,1-Dichloroethene	2	U	Chlorobenzene	2	U
Acetone	10	**52**	1,1,1,2-Tetrachloroethane	2	U
Methyl iodide	2	U	Ethylbenzene	2	U
Carbon Disulfide	2	U	o-Xylene	2	U
Methylene Chloride	10	**20**	m,p-Xylene	2	U
trans-1,2-Dichloroethene	2	U	Styrene	2	U
Methyl-tert-butyl ether (MTBE)	2	U	Bromoform	2	U
1,1-Dichloroethane	2	U	Isopropylbenzene	2	U
Vinyl acetate	5.1	U	1,1,2,2-Tetrachloroethane	2	U
Methyl ethyl ketone	10	U	Bromobenzene	2	U
cis-1,2-Dichloroethene	2	U	1,2,3-Trichloropropane	2	U
2,2-Dichloropropane	2	U	n-Propylbenzene	2	U
Bromochloromethane	2	U	2-Chlorotoluene	2	U
Chloroform	2	U	1,3,5-Trimethylbenzene	2	U
1,1,1-Trichloroethane	2	U	4-Chlorotoluene	2	U
1,1-Dichloropropene	2	U	tert-butylbenzene	2	U
Carbon Tetrachloride	2	U	1,2,4-Trimethylbenzene	2	U
1,2-Dichloroethane	2	U	sec-butylbenzene	2	U
Benzene	2	U	p-isopropyltoluene	2	U
Trichloroethene	2	U	1,3-Dichlorobenzene	2	U
1,2-Dichloropropane	2	U	1,4-Dichlorobenzene	2	U
Dibromomethane	2	U	n-butylbenzene	2	U
Bromodichloromethane	2	U	1,2-Dichlorobenzene	2	U
cis-1,3-Dichloropropene	2	U	1,2-Dibromo-3-chloropropane	2	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	2	U
Toluene	2	U	Hexachlorobutadiene	2	U
trans-1,3-Dichloropropene	2	U	Naphthalene	2	U
			1,2,3-Trichlorobenzene	2	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	108	%	d8-Toluene	100	%	Bromofluorobenzen	98	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY:

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\092810-I\I44025.D Vial: 14
Acq On : 28 Sep 2010 1:47 pm Operator: MT
Sample : 67835-6 Inst : Instrumen
Misc : ,5.37,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:43 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

DF = (5)/(5.37g)(.9991) = 1.0

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	107462	20.00	ug/L	0.03
39) 1,4-Difluorobenzene	7.95	114	202104 ✓	20.00	ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	170580	20.00	ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.39	152	68069	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.32	65	99223	21.61	ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 108.05% ✓			
36) d4-1,2-Dichloroethane	7.32	65	99223	21.61	ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 108.05% ✓			
54) d8-Toluene	10.24	98	217595	20.03	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.15% ✓			
73) Bromofluorobenzene	14.51	95	84961	19.50	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.50% ✓			

Target Compounds						Qvalue
5) Bromomethane	2.17	94	1718	~~-0.77~~	ug/L #	55
12) Acetone	3.05	43	64575	✓51.46	ug/L	98
~~14)~~ Methyl iodide	3.60	142	2534	~~-0.64~~	ug/L #	96
16) Methylene Chloride	3.86	84	79459	✓19.77	ug/L	99
~~23)~~ Methyl ethyl ketone	5.70	72	1346	~~3.88~~	ug/L	88
M 43) Methyl acetate	3.65	43	8860	2.86	ug/L #	83
~~60)~~ Tetrachloroethene	11.36	166	1718	~~-0.60~~	ug/L	90
~~96)~~ Naphthalene	20.07	128	211	~~-0.81~~	ug/L	68

592910

(#) = qualifier out of range (m) = manual integration

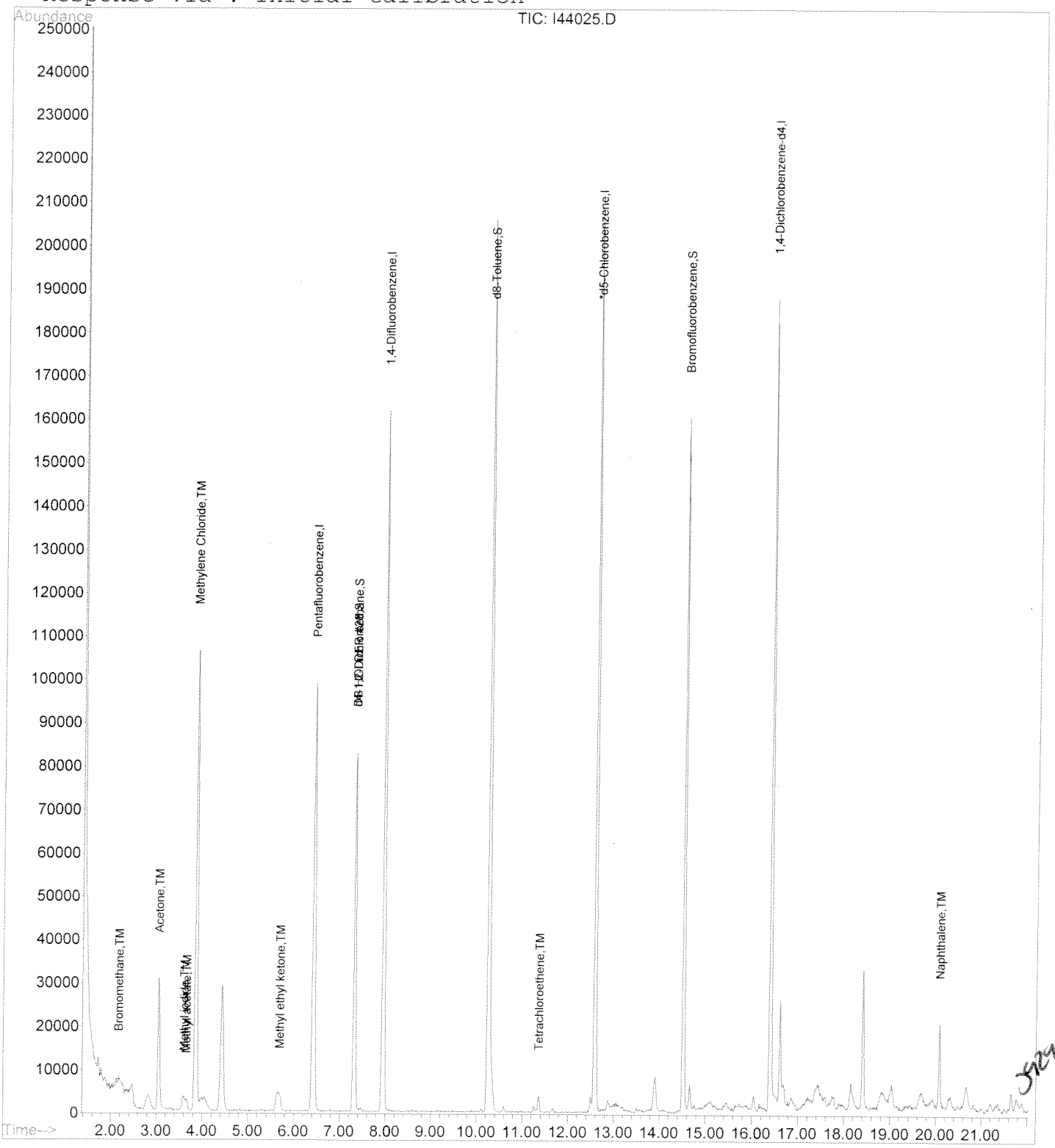
Quantitation Report

Data File : C:\HPCHEM\1\DATA\092810-I\I44025.D
Acq On : 28 Sep 2010 1:47 pm
Sample : 67835-6
Misc : ,5.37,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:43 2010

Vial: 14
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

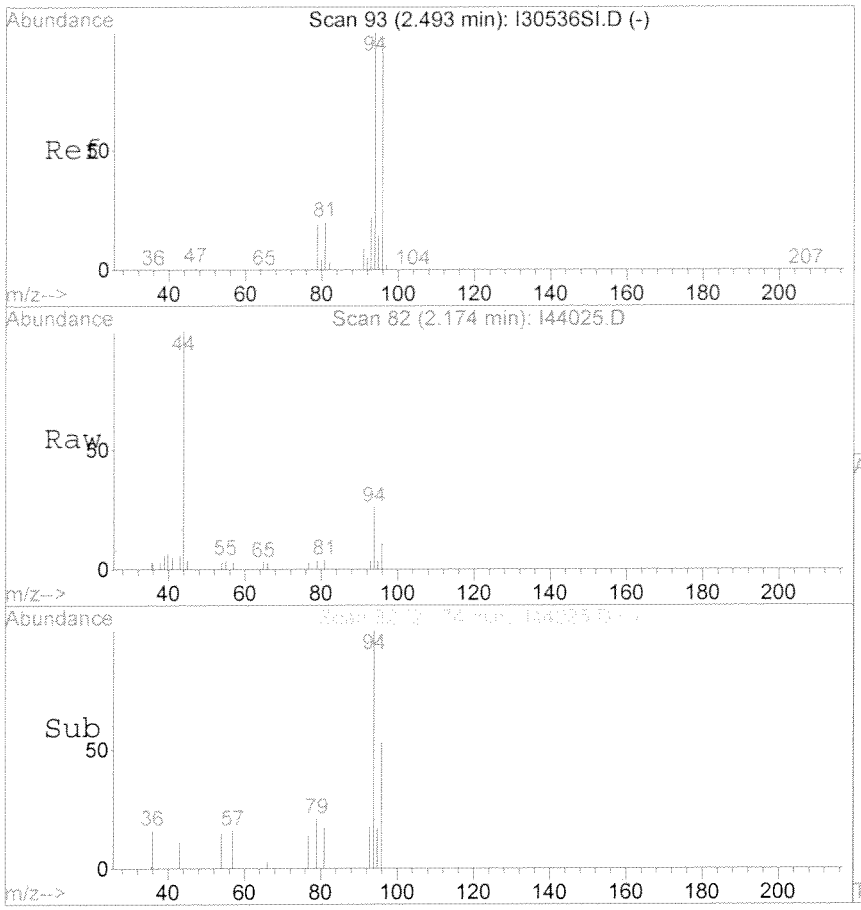
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



I44025.D VS09270I.M Wed Sep 29 06:44:00 2010 Page 2

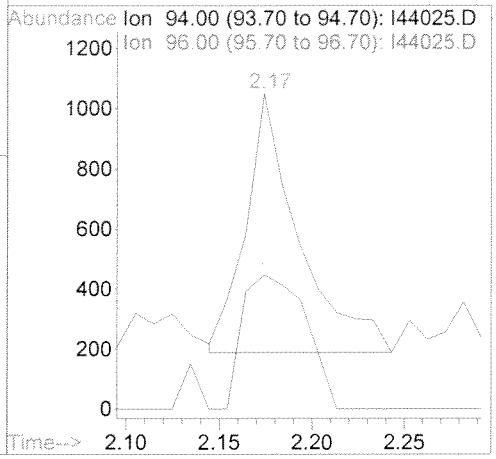
MT 9/29/10

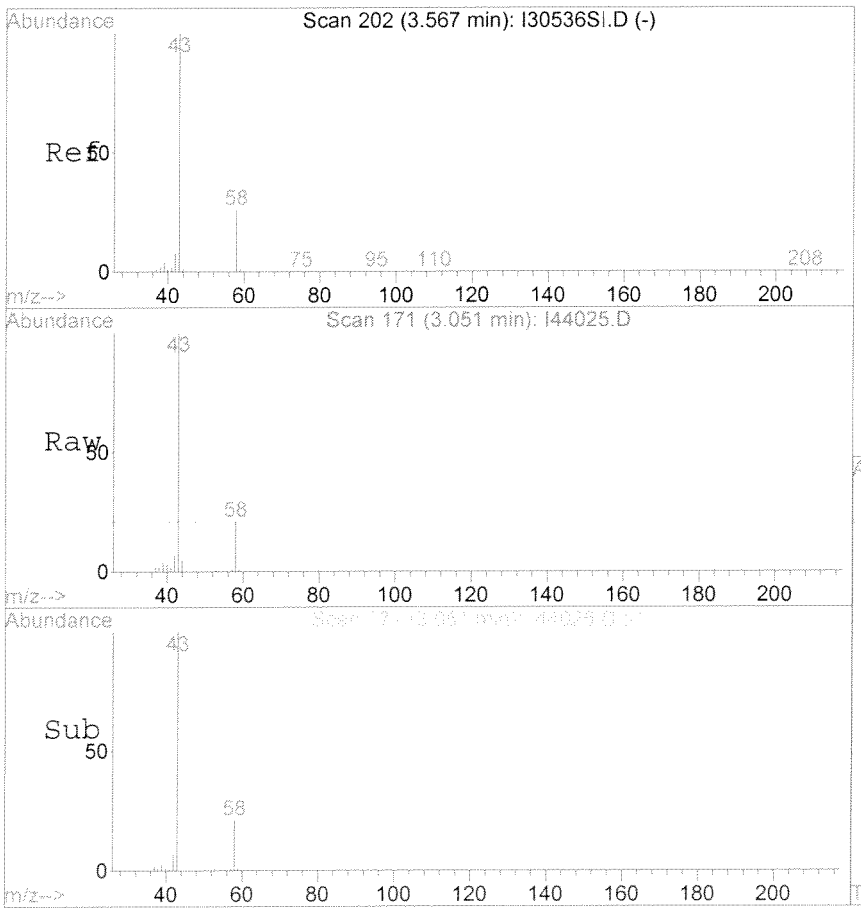


#5
Bromomethane
Concen: 0.77 ug/L
RT: 2.17 min Scan# 82
Delta R.T. 0.02 min
Lab File: I44025.D
Acq: 28 Sep 2010 1:47 pm

Tgt Ion: 94 Resp: 1718

Ion	Ratio	Lower	Upper
94	100		
96	51.7	76.0	116.0#

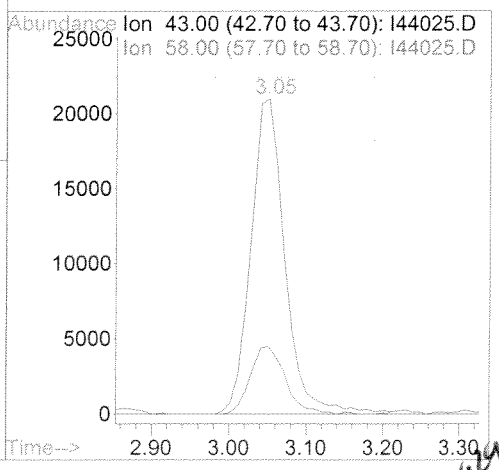




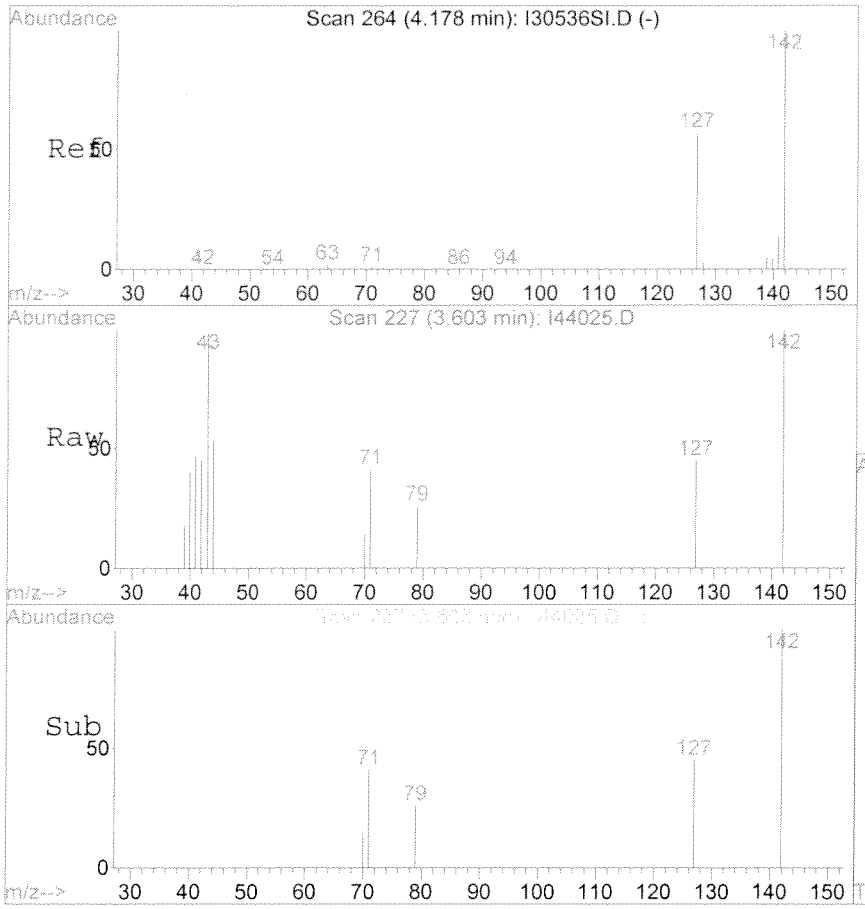
#12
Acetone
Concen: 51.46 ug/L
RT: 3.05 min Scan# 171
Delta R.T. 0.03 min
Lab File: I44025.D
Acq: 28 Sep 2010 1:47 pm

Tgt Ion: 43 Resp: 64575

Ion	Ratio	Lower	Upper
43	100		
58	22.0	18.3	27.5



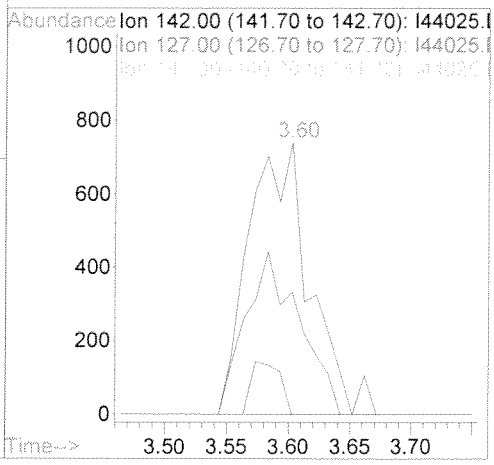
MT 9/29/10

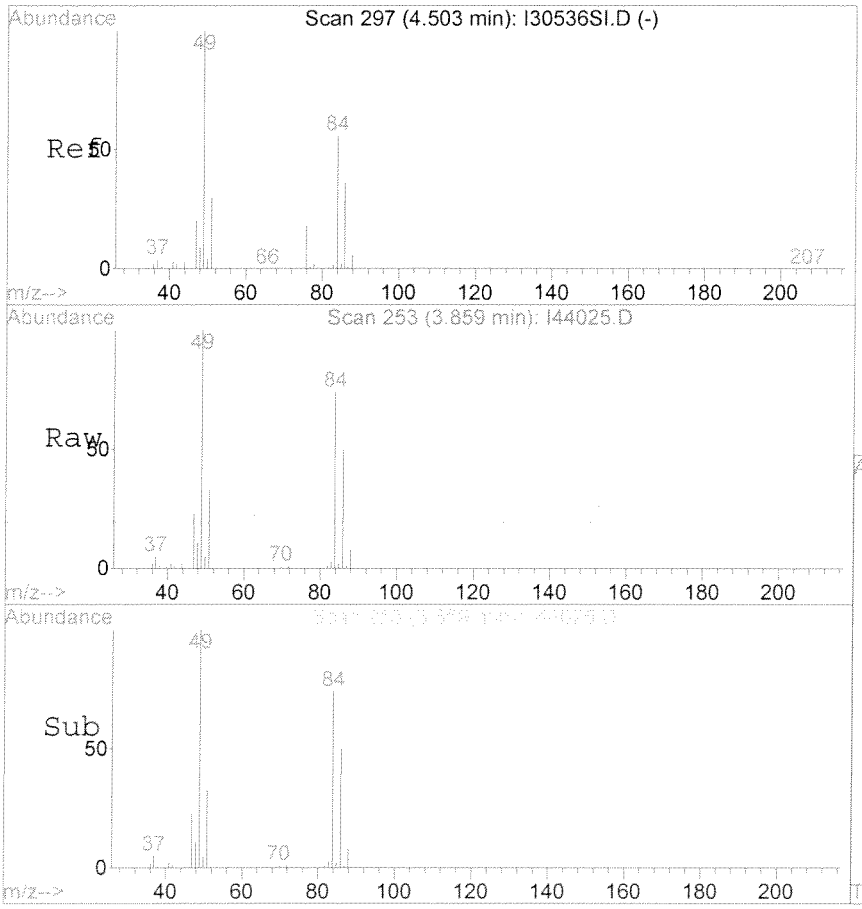


#14
Methyl iodide
Concen: 0.64 ug/L
RT: 3.60 min Scan# 227
Delta R.T. 0.05 min
Lab File: I44025.D
Acq: 28 Sep 2010 1:47 pm

Tgt Ion:142 Resp: 2534

Ion	Ratio	Lower	Upper
142	100		
127	52.8	41.0	61.4
141	9.2	11.2	16.8#

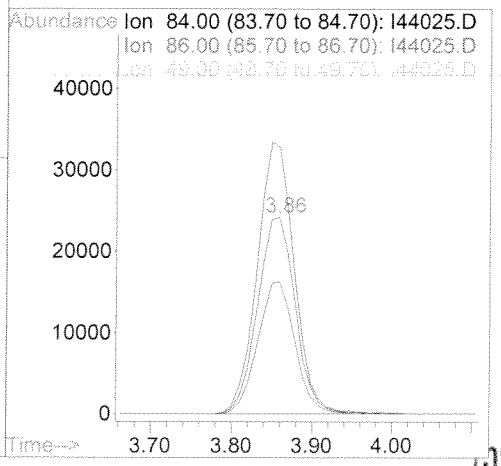




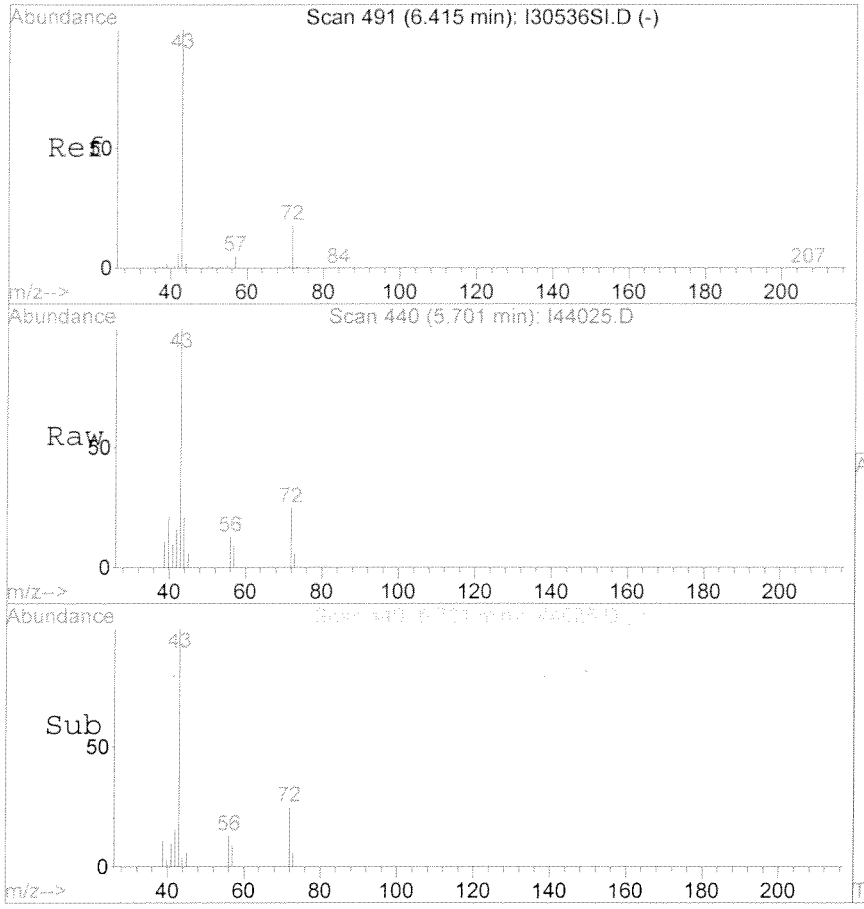
#16
Methylene Chloride
Concen: 19.77 ug/L
RT: 3.86 min Scan# 253
Delta R.T. 0.04 min
Lab File: I44025.D
Acq: 28 Sep 2010 1:47 pm

Tgt Ion: 84 Resp: 79459

Ion	Ratio	Lower	Upper
84	100		
86	67.3	45.8	85.8
49	135.6	116.6	156.6



MT 9/29/10

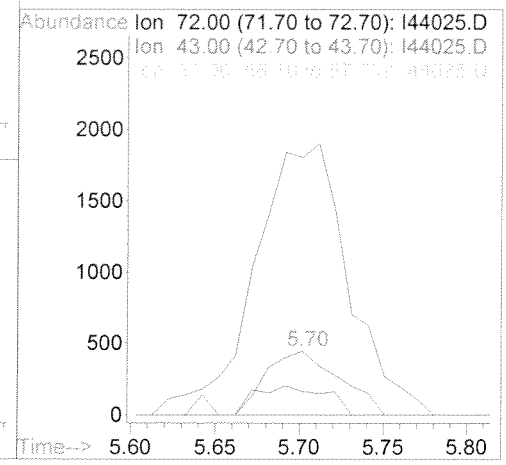


#23
Methyl ethyl ketone
Concen: 3.88 ug/L
RT: 5.70 min Scan# 440
Delta R.T. 0.03 min
Lab File: I44025.D
Acq: 28 Sep 2010 1:47 pm

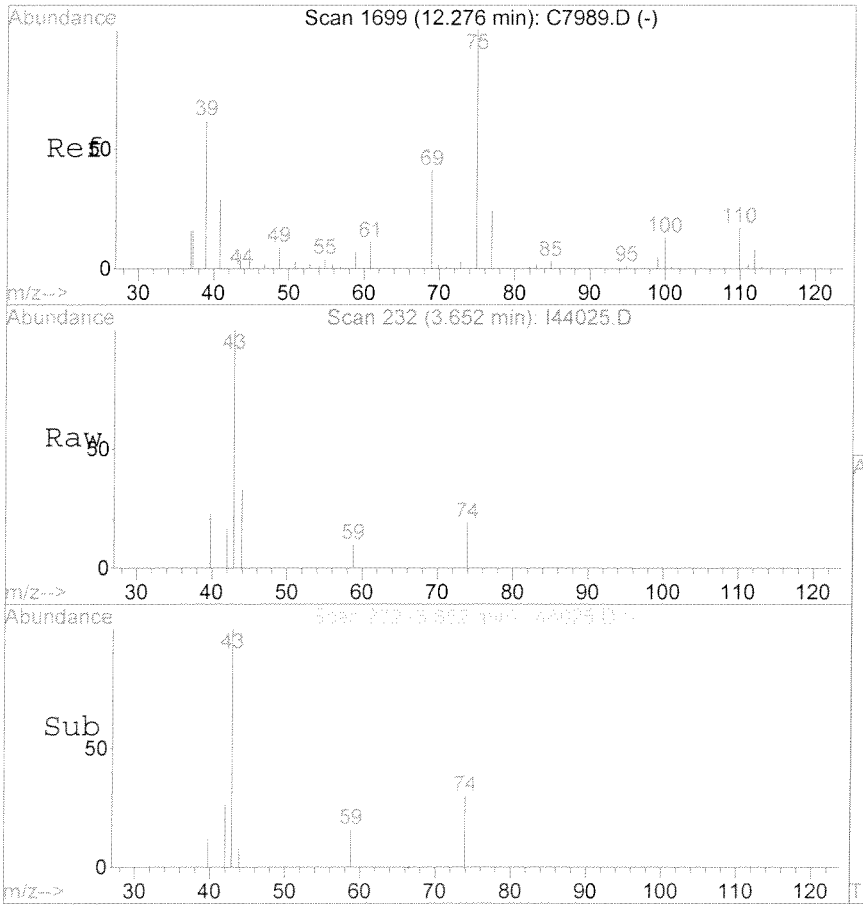
Tgt Ion: 72 Resp: 1346

Ion	Ratio	Lower	Upper
72	100		
43	546.3	408.4	612.6
57	44.1	31.8	47.8

X



<10

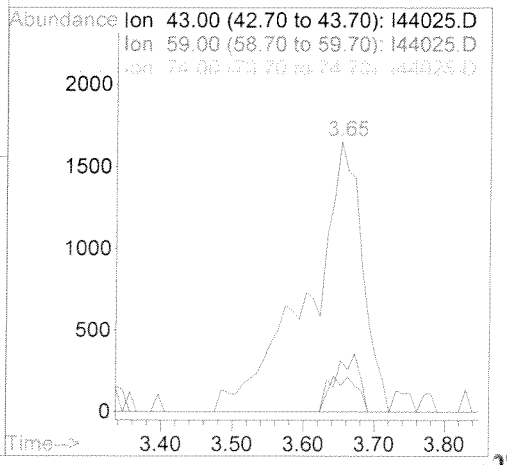


#43
Methyl acetate
Concen: 2.86 ug/L
RT: 3.65 min Scan# 232
Delta R.T. 0.02 min
Lab File: I44025.D
Acq: 28 Sep 2010 1:47 pm

Tgt Ion: 43 Resp: 8860

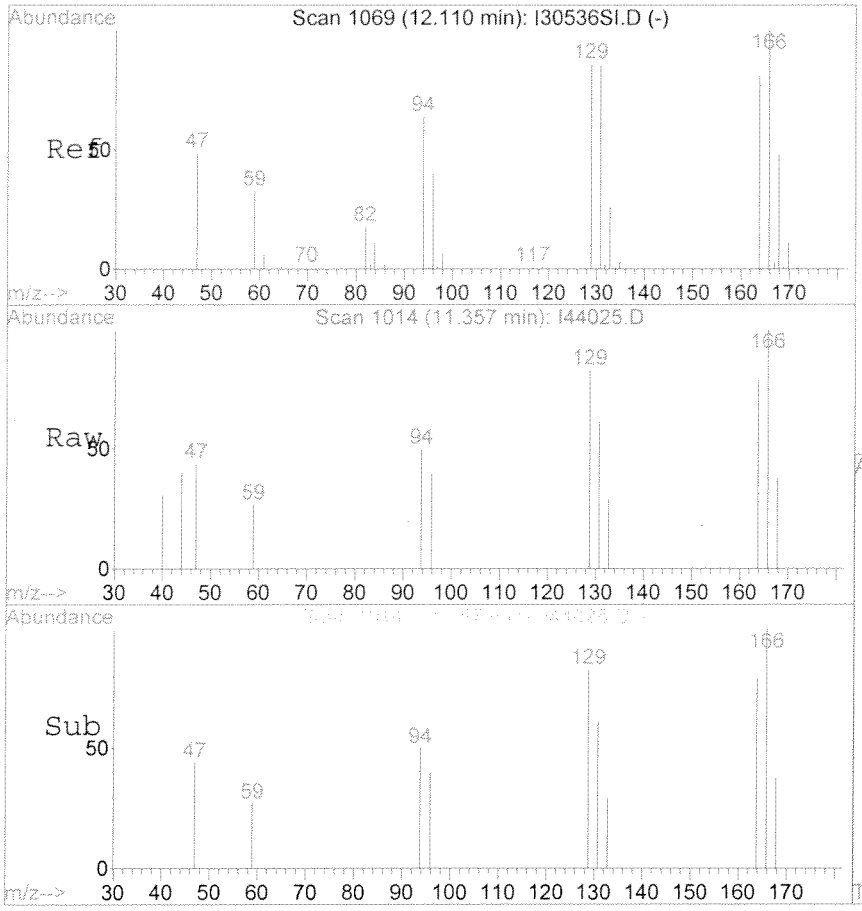
Ion	Ratio	Lower	Upper
43	100		
59	6.7	7.6	11.4#
74	9.9	15.8	23.6#

MT



9/29/10

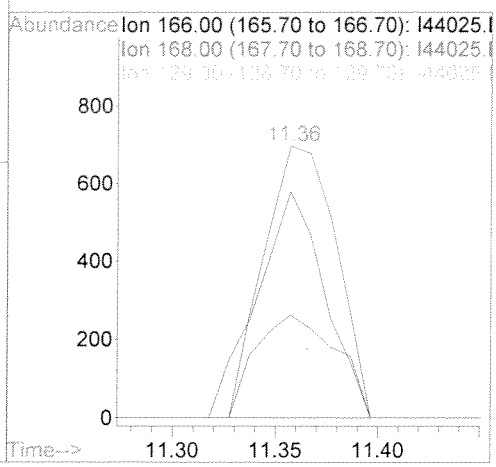
NTT 9/29/10

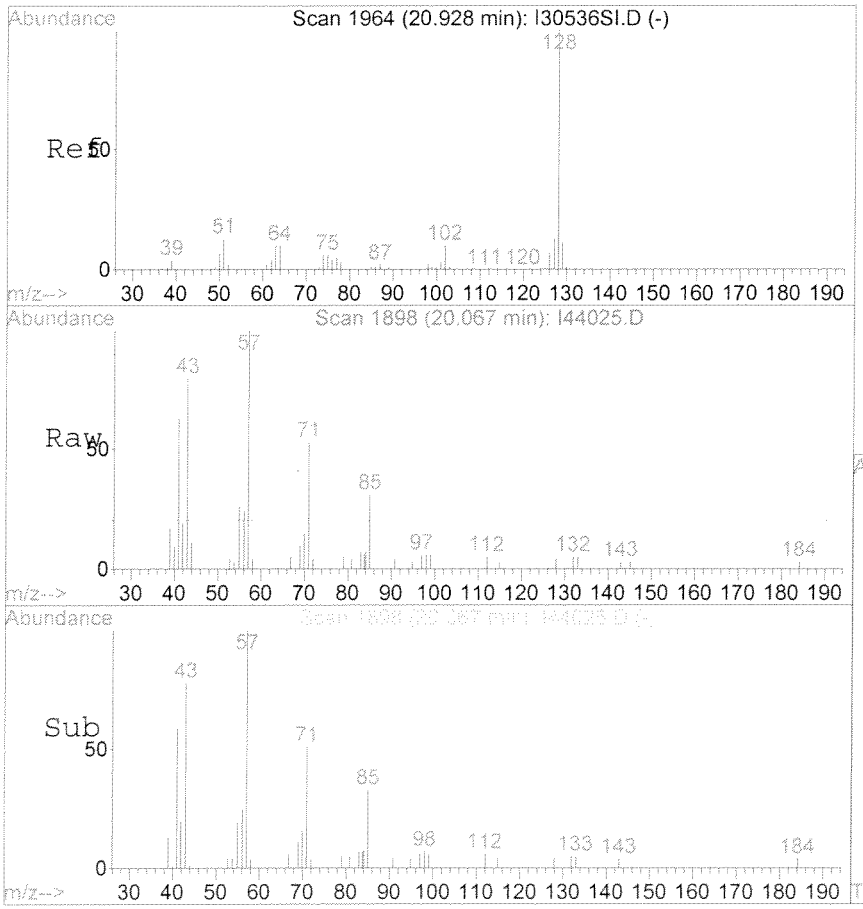


#60
Tetrachloroethene
Concen: 0.60 ug/L
RT: 11.36 min Scan# 1014
Delta R.T. 0.02 min
Lab File: I44025.D
Acq: 28 Sep 2010 1:47 pm

Tgt Ion:166 Resp: 1718

Ion	Ratio	Lower	Upper
166	100		
168	37.6	29.9	69.9
129	83.2	59.2	99.2

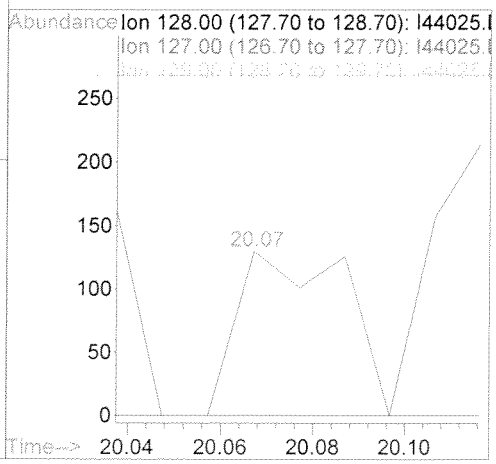




#96
Naphthalene
Concen: 0.81 ug/L
RT: 20.07 min Scan# 1898
Delta R.T. -0.05 min
Lab File: I44025.D
Acq: 28 Sep 2010 1:47 pm

Tgt Ion:128 Resp: 211

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	33.5
129	0.0	0.0	31.8



J9290

VOLATILE
QC FORMS

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67835

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	103		101		101	
LL09280I	101		100		101	
LL09280I2	101		100		99	
LB09280I	101		100		100	
67835-1	107		103		96	
67835-6	108		100		98	
67835-5	101		101		99	
67835-3	103		100		100	
67835-4	104		102		98	
67835-2	98		99		98	
67835-6,MS	104		98		97	
67835-6,MSD	103		101		98	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

MT 9/29/10

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: LB092801
Spike: LL092801
Spike duplicate: LL092812

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	20	75	125	25	0.0	21	104		21	105		1	
Chloromethane	20	20	75	125	25	0.0	20	100		20	99		1	
Vinyl Chloride	20	20	75	125	25	0.0	21	104		21	104		0	
Bromomethane	20	20	75	125	25	0.0	22	110		23	113		3	
Chloroethane	20	20	75	125	25	0.0	22	110		22	109		1	
t-Butyl alcohol (TBA)	100	100	75	125	25	0.0	87	87		84	84		3	
Trichlorofluoromethane	20	20	75	125	25	0.0	19	96		19	95		1	
Diethyl ether	20	20	75	125	25	0.0	21	104		22	111		7	
1,1,2-Trichlorotrifluoroethane	20	20	75	125	25	0.0	21	103		21	105		1	
Acetone	100	100	75	125	25	0.0	109	109		110	110		1	
1,1-Dichloroethene	20	20	75	125	25	0.0	21	104		22	108		3	
Methyl iodide	20	20	75	125	25	0.0	26	128	* M	27	133	* M	4	
Di-isopropyl ether (DIPE)	20	20	75	125	25	0.0	20	99		20	102		3	
Methylene Chloride	20	20	75	125	25	0.0	19	95		19	96		1	
Carbon Disulfide	20	20	75	125	25	0.0	22	112		23	114		2	
Methyl-tert-butyl ether (MTBE)	40	40	75	125	25	0.0	39	99		42	104		5	
trans-1,2-Dichloroethene	20	20	75	125	25	0.0	20	102		21	107		5	
1,1-Dichloroethane	20	20	75	125	25	0.0	20	100		21	107		7	
Vinyl acetate	20	20	75	125	25	0.0	14	71	* M	15	74	* M	5	
Methyl ethyl ketone	100	100	75	125	25	0.0	102	102		102	102		0	
Ethyl t-butyl ether (ETBE)	20	20	75	125	25	0.0	20	98		20	102		5	
2,2-Dichloropropane	20	20	75	125	25	0.0	21	107		22	111		4	
cis-1,2-Dichloroethene	20	20	75	125	25	0.0	21	104		22	109		5	
t-Amyl methyl ether (TAME)	20	20	75	125	25	0.0	20	99		20	102		4	
Chloroform	20	20	75	125	25	0.0	21	104		22	108		4	
Bromochloromethane	20	20	75	125	25	0.0	21	105		22	109		3	
Tetrahydrofuran	20	20	75	125	25	0.0	21	103		20	99		4	
1,1,1-Trichloroethane	20	20	75	125	25	0.0	21	107		22	111		3	
1,1-Dichloropropene	20	20	75	125	25	0.0	21	105		22	108		3	
Carbon Tetrachloride	20	20	75	125	25	0.0	22	108		22	111		3	
1,2-Dichloroethane	20	20	75	125	25	0.0	20	102		21	107		5	
Benzene	20	20	75	125	25	0.0	20	100		21	105		5	
Trichloroethene	20	20	75	125	25	0.0	20	101		21	107		5	
1,2-Dichloropropane	20	20	75	125	25	0.0	20	98		21	103		5	
Methylmethacrylate	20	20	75	125	25	0.0	20	100		21	104		4	
Methyl acetate	20	20	75	125	25	0.0	21	105		21	103		1	
Cyclohexane	20	20	75	125	25	0.0	19	93		16	82		13	
Bromodichloromethane	20	20	75	125	25	0.0	20	98		21	104		6	
Dibromomethane	20	20	75	125	25	0.0	19	95		20	102		7	
1,4-Dioxane	500	500	75	125	25	0.0	451	90		464	93		3	
Methylcyclohexane	20	20	75	125	25	0.0	22	110		21	107		3	
2-Hexanone	100	100	75	125	25	0.0	100	100		101	101		1	
Methyl isobutyl ketone	100	100	75	125	25	0.0	96	96		98	98		3	
cis-1,3-Dichloropropene	20	20	75	125	25	0.0	20	101		22	108		6	
Toluene	20	20	75	125	25	0.0	20	101		21	105		4	
trans-1,3-Dichloropropene	20	20	75	125	25	0.0	19	94		19	97		3	
1,1,2-Trichloroethane	20	20	75	125	25	0.0	20	100		21	106		6	
1,3-Dichloropropane	20	20	75	125	25	0.0	20	101		21	106		5	
Tetrachloroethene	20	20	75	125	25	0.0	23	117 ✓		25	126	* M	7	
Dibromochloromethane	20	20	75	125	25	0.0	20	101		21	106		5	
1,2-Dibromoethane	20	20	75	125	25	0.0	20	100		21	107		7	
Chlorobenzene	20	20	75	125	25	0.0	21	105		21	106		1	
1,1,1,2-Tetrachloroethane	20	20	75	125	25	0.0	21	105		21	106		1	
Ethylbenzene	20	20	75	125	25	0.0	21	107		21	107		0	
m,p-Xylene	40	40	75	125	25	0.0	42	106		43	107		1	

VOA FORM 3

0929W

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

MT 9/29/10

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: LB09280I
Spike: LL09280I
Spike duplicate: LL09280I2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
o-Xylene	20	20	75	125	25	0.0	21	105		21	104		0	
Styrene	20	20	75	125	25	0.0	21	105		22	109		4	
Bromoform	20	20	75	125	25	0.0	21	106		21	106		0	
Isopropylbenzene	20	20	75	125	25	0.0	19	94		19	96		2	
1,1,2,2-Tetrachloroethane	20	20	75	125	25	0.0	20	100		20	100		0	
1,2,3-Trichloropropane	20	20	75	125	25	0.0	19	94		19	96		2	
trans-1,4-Dichloro-2-butene	20	20	75	125	25	0.0	21	106		21	106		0	
n-Propylbenzene	20	20	75	125	25	0.0	21	105		21	107		2	
Bromobenzene	20	20	75	125	25	0.0	21	106		21	106		0	
1,3,5-Trimethylbenzene	20	20	75	125	25	0.0	21	106		21	107		1	
2-Chlorotoluene	20	20	75	125	25	0.0	21	106		21	105		1	
4-Chlorotoluene	20	20	75	125	25	0.0	21	104		21	104		1	
tert-butylbenzene	20	20	75	125	25	0.0	21	107		22	109		1	
1,2,4-Trimethylbenzene	20	20	75	125	25	0.0	20	102		21	104		2	
sec-butylbenzene	20	20	75	125	25	0.0	22	111		22	111		0	
p-isopropyltoluene	20	20	75	125	25	0.0	20	102		21	105		3	
1,3-Dichlorobenzene	20	20	75	125	25	0.0	21	104		21	105		1	
1,4-Dichlorobenzene	20	20	75	125	25	0.0	21	105		22	108		2	
n-butylbenzene	20	20	75	125	25	0.0	22	112		23	113		1	
1,2-Dichlorobenzene	20	20	75	125	25	0.0	21	105		22	108		3	
1,2-Dibromo-3-chloropropane	20	20	75	125	25	0.0	21	104		21	104		0	
1,2,4-Trichlorobenzene	20	20	75	125	25	0.0	20	102		21	105		2	
Hexachlorobutadiene	20	20	75	125	25	0.0	22	108		22	110		1	
Naphthalene	20	20	75	125	25	0.0	17	87		19	94		8	
1,2,3-Trichlorobenzene	20	20	75	125	25	0.0	21	103		22	108		5	
1,3,5-Trichlorobenzene	20	20	75	125	25	0.0	21	104		21	105		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

092910

VOA FORM 3

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44016Q.D Vial: 5
Acq On : 28 Sep 2010 9:28 am Operator: MT
Sample : LL09280I Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	117421	20.00	ug/L	0.03
39) 1,4-Difluorobenzene	7.96	114	222954 ✓	20.00	ug/L	0.04
63) *d5-Chlorobenzene	12.59	117	184581 ✓	20.00	ug/L	0.03
87) 1,4-Dichlorobenzene-d4	16.40	152	78922	20.00	ug/L	0.03

System Monitoring Compounds						
28) DB HOLDER #28	7.32	65	101820	20.29	ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.45% ✓			
36) d4-1,2-Dichloroethane	7.32	65	101820	20.29	ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.45% ✓			
54) d8-Toluene	10.26	98	238741	19.92	ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.60% ✓			
73) Bromofluorobenzene	14.52	95	94753	20.10	ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.50% ✓			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	85536	20.78	ug/L	98
3) Chloromethane	1.67	50	71058	19.97	ug/L	98
4) Vinyl Chloride	1.76	62	64951	20.78	ug/L	96
5) Bromomethane	2.17	94	53859	21.99	ug/L	100
6) Chloroethane	2.24	64	38117	22.00	ug/L	89
7) t-Butyl alcohol (TBA)	3.30	59	45725	86.88	ug/L	97
8) Trichlorofluoromethane	2.49	101	119128	19.17	ug/L	98
9) Diethyl ether	2.82	74	31500	20.77	ug/L	93
10) 1,1,2-Trichlorotrifluoroet	2.98	101	68483	20.67	ug/L	99
12) Acetone	3.04	43	149945	109.36	ug/L	99
13) 1,1-Dichloroethene	3.18	96	58690	20.90	ug/L	95
14) Methyl iodide	3.58	142	110274	25.51	ug/L	100
15) Di-isopropyl ether (DIPE)	4.87	45	223451	19.77	ug/L	98
16) Methylene Chloride	3.85	84	84007	18.93	ug/L	98
17) Carbon Disulfide	3.82	76	207203	22.44	ug/L	100
18) Acrylonitrile	4.07	53	27348	21.33	ug/L	97
19) Methyl-tert-butyl ether (M	4.10	73	367224	39.48	ug/L	98
20) trans-1,2-Dichloroethene	4.31	96	69028	20.39	ug/L	95
21) 1,1-Dichloroethane	5.00	63	127073	20.02	ug/L	99
22) Vinyl acetate	5.05	86	6945	14.16	ug/L	98
23) Methyl ethyl ketone	5.70	72	38728	102.30	ug/L	88
24) Ethyl t-butyl ether (ETBE)	5.53	59	226094	19.55	ug/L	100
25) 2,2-Dichloropropane	5.88	77	108461	21.32	ug/L	99
26) cis-1,2-Dichloroethene	5.96	96	77034	20.76	ug/L	94
27) t-Amyl methyl ether (TAME)	7.28	73	176874	19.72	ug/L	98
29) Chloroform	6.21	83	132794	20.78	ug/L	95
30) Bromochloromethane	6.45	128	38510	21.01	ug/L #	89

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44016Q.D Vial: 5
Acq On : 28 Sep 2010 9:28 am Operator: MT
Sample : LL09280I Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.50	71	8535	20.62 ug/L	85
32)	1,1,1-Trichloroethane	6.82	97	113429	21.41 ug/L	96
34)	1,1-Dichloropropene	7.06	75	94767	20.92 ug/L	97
35)	Carbon Tetrachloride	7.19	119	92224	21.61 ug/L	97
37)	1,2-Dichloroethane	7.47	62	119880	20.31 ug/L	99
38)	Benzene	7.46	78	225532	20.06 ug/L	98
40)	Trichloroethene	8.41	95	74293	20.25 ug/L	97
41)	1,2-Dichloropropane	8.70	63	65535	19.57 ug/L	99
42)	Methylmethacrylate	8.87	69	45496	20.03 ug/L	97
43)	Methyl acetate	3.66	43	71629	20.94 ug/L	99
44)	Cyclohexane	6.81	56	96922	18.55 ug/L	89
45)	Bromodichloromethane	9.04	83	98939	19.62 ug/L	98
46)	Dibromomethane	9.11	93	56387	19.00 ug/L	98
47)	1,4-Dioxane	9.11	88	20876	451.50 ug/L	95
48)	Methylcyclohexane	8.48	83	107098	21.90 ug/L	99
51)	2-Hexanone	10.99	58	149751	100.17 ug/L	95
52)	Methyl isobutyl ketone	9.64	58	144578	95.60 ug/L	97
53)	cis-1,3-Dichloropropene	9.92	75	107578	20.25 ug/L	95
55)	Toluene	10.37	92	148928	20.21 ug/L	99
56)	trans-1,3-Dichloropropene	10.71	75	98501	18.88 ug/L	100
58)	1,1,2-Trichloroethane	10.93	83	50537	19.99 ug/L	99
59)	1,3-Dichloropropane	11.32	76	98054	20.17 ug/L	99
60)	Tetrachloroethene	11.37	166	74319	23.35 ug/L	99
61)	Dibromochloromethane	11.69	129	76247	20.13 ug/L	97
62)	1,2-Dibromoethane	11.99	107	75994	19.98 ug/L	100
64)	Chlorobenzene	12.65	112	177556	21.01 ug/L	97
65)	1,1,1,2-Tetrachloroethane	12.74	131	61881	20.98 ug/L	95
66)	Ethylbenzene	12.76	91	289168	21.39 ug/L	100
67)	m,p-Xylene	12.88	106	215254	42.40 ug/L	95
68)	o-Xylene	13.56	106	103752	20.92 ug/L	90
69)	Styrene	13.63	104	183124	21.00 ug/L	99
70)	Bromoform	14.11	173	46532	21.10 ug/L	97
71)	Isopropylbenzene	14.15	105	242560	18.83 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.43	83	78712	19.98 ug/L	99
74)	1,2,3-Trichloropropane	14.66	75	56852	18.70 ug/L	97
75)	trans-1,4-Dichloro-2-buten	14.80	88	13459	21.15 ug/L #	42
76)	n-Propylbenzene	14.78	91	334533	21.09 ug/L	96
77)	Bromobenzene	14.80	156	66711	21.13 ug/L	95
78)	1,3,5-Trimethylbenzene	15.05	105	224984	21.21 ug/L	100
79)	2-Chlorotoluene	15.04	91	224467	21.11 ug/L	97
80)	4-Chlorotoluene	15.11	91	203946	20.70 ug/L	98
81)	tert-butylbenzene	15.61	119	191421m	21.48 ug/L	

592905

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092810-I\I44016Q.D
Acq On : 28 Sep 2010 9:28 am
Sample : LL09280I
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010

Vial: 5
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.66	105	228858	20.40 ug/L	100
83)	Pentachloroethane	15.67	167	29457	17.34 ug/L	98
84)	sec-butylbenzene	15.95	105	306213	22.20 ug/L	98
85)	p-isopropyltoluene	16.18	119	221631	20.41 ug/L	97
86)	1,3-Dichlorobenzene	16.28	146	115416	20.85 ug/L	97
88)	1,4-Dichlorobenzene	16.45	146	117856	21.01 ug/L	99
89)	n-butylbenzene	16.85	91	243045	22.38 ug/L	96
90)	1,2-Dichlorobenzene	17.04	146	108016	21.03 ug/L	98
92)	1,2-Dibromo-3-chloropropan	18.33	75	15692	20.89 ug/L	94
94)	1,2,4-Trichlorobenzene	19.75	180	73602	20.39 ug/L	95
95)	Hexachlorobutadiene	20.01	225	32865	21.69 ug/L	97
96)	Naphthalene	20.15	128	114124	17.40 ug/L	98
97)	1,2,3-Trichlorobenzene	20.56	180	65800	20.58 ug/L	97
98)	1,3,5-Trichlorobenzene	18.71	180	82562	20.88 ug/L	99

5429W

(#) = qualifier out of range (m) = manual integration

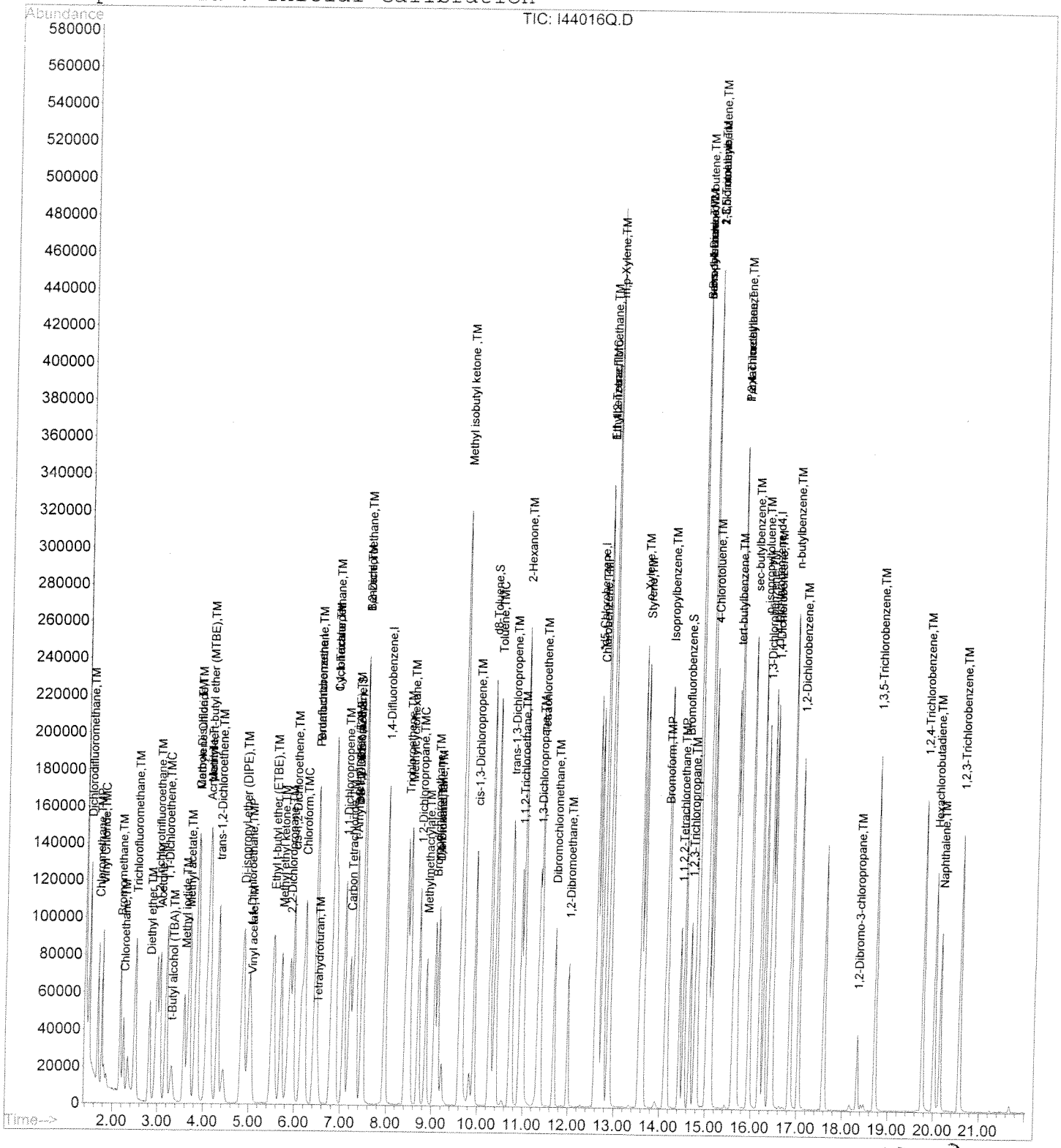
Data File : C:\HPCHEM\1\DATA\092810-I\I44016Q.D
Acq On : 28 Sep 2010 9:28 am
Sample : LL09280I
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010

Vial: 5
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

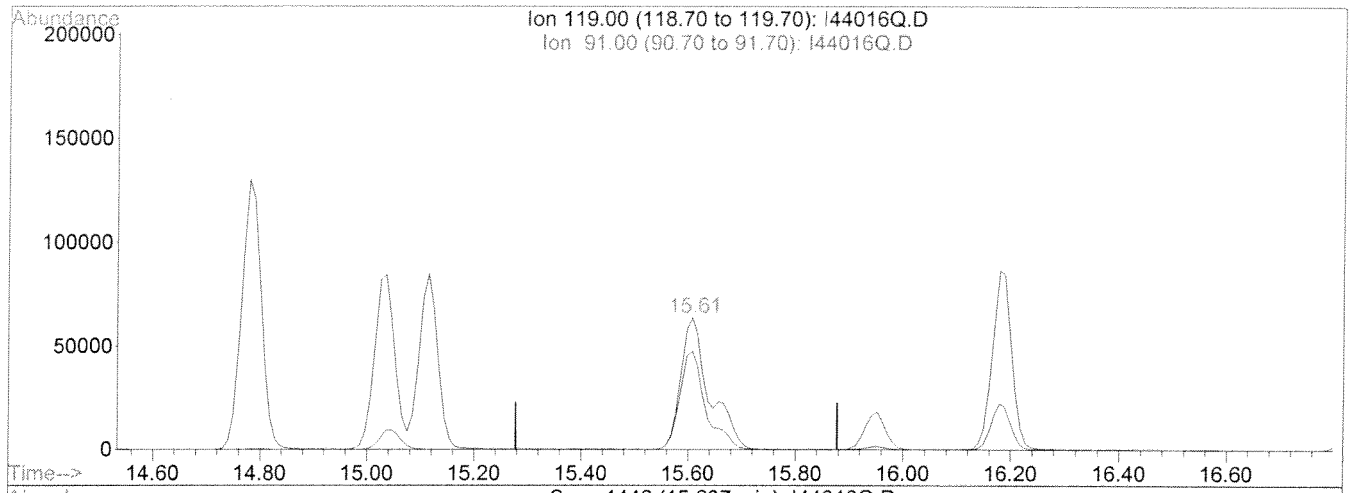


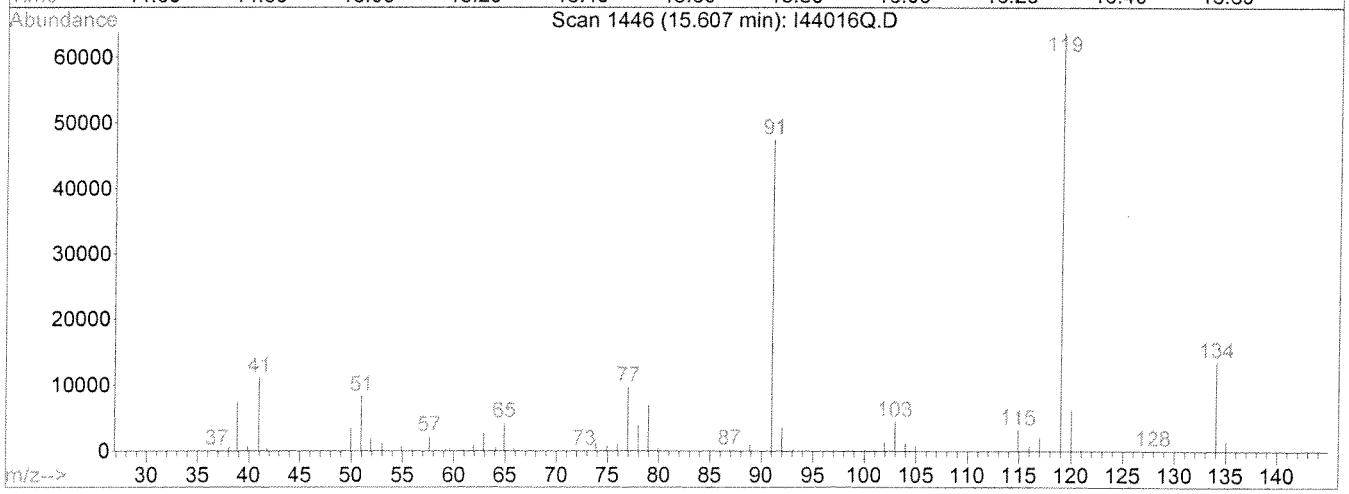
S92910

Data File : C:\HPCHEM\1\DATA\092810-I\I44016Q.D Vial: 5
Acq On : 28 Sep 2010 9:28 am Operator: MT
Sample : LL09280I Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10
e.a./co-el.





TIC: I44016Q.D

(81) tert-butylbenzene (TM)

15.61min 26.84ug/L

response 239167

Ion	Exp%	Act%
119.00	100	100
91.00	75.50	74.28
0.00	0.00	0.00
0.00	0.00	0.00

J9290

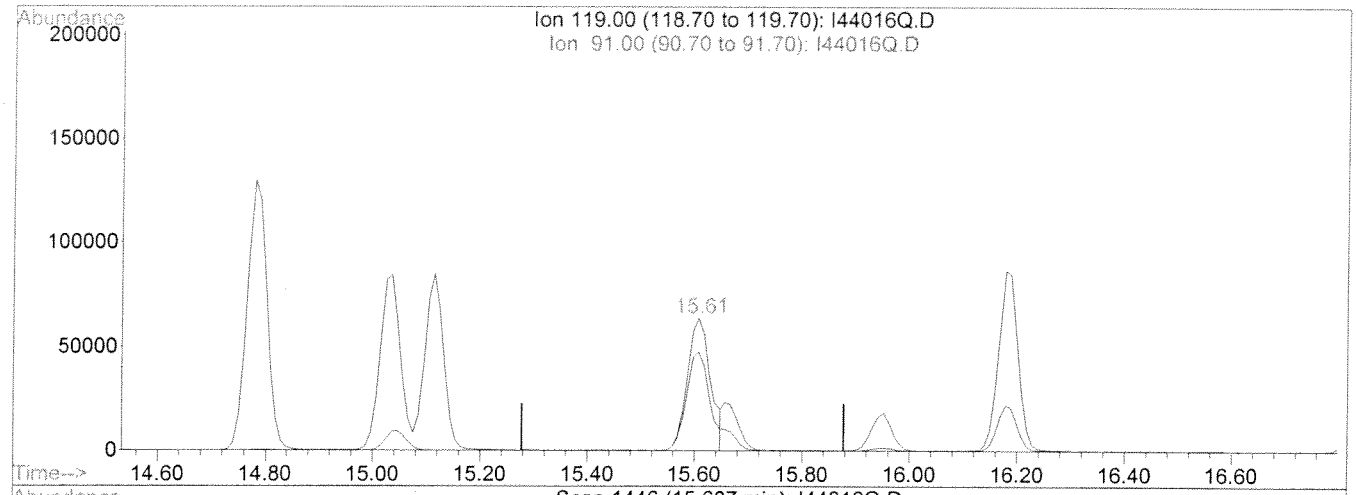
Quantitation Report (Qedit)

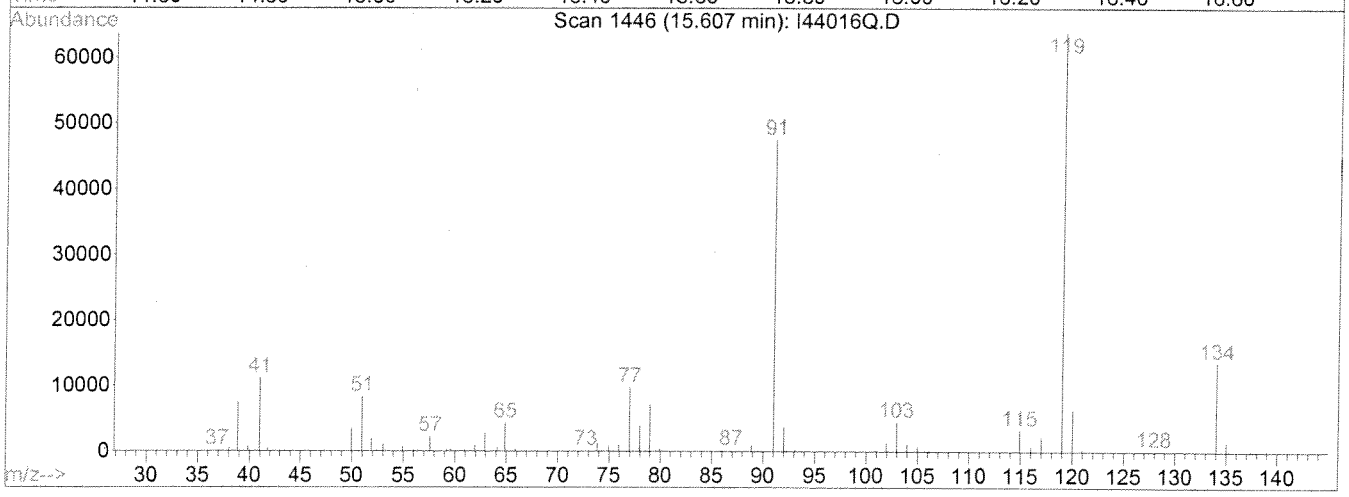
Data File : C:\HPCHEM\1\DATA\092810-I\I44016Q.D
Acq On : 28 Sep 2010 9:28 am
Sample : LL09280I
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010

Vial: 5
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10





TIC: I44016Q.D

(81) tert-butylbenzene (TM)

15.61min 21.48ug/L m

response 191421

Ion	Exp%	Act%
119.00	100	100
91.00	75.50	74.47
0.00	0.00	0.00
0.00	0.00	0.00

S929W

Data File : C:\HPCHEM\1\DATA\092810-I\I44017Q.D
Acq On : 28 Sep 2010 9:55 am
Sample : LL09280I2
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010

Vial: 6
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	117980	20.00 ug/L	0.03
39) 1,4-Difluorobenzene	7.95	114	221384 ✓	20.00 ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	189239	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.41	152	80175	20.00 ug/L	0.03

System Monitoring Compounds					
28) DB HOLDER #28	7.32	65	101716	20.17 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.85% ✓	
36) d4-1,2-Dichloroethane	7.32	65	101716	20.17 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.85% ✓	
54) d8-Toluene	10.26	98	237384	19.95 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.75% ✓	
73) Bromofluorobenzene	14.52	95	95424	19.75 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.75% ✓	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	87122	21.06 ug/L	100
3) Chloromethane	1.68	50	71028	19.87 ug/L	99
4) Vinyl Chloride	1.77	62	65157	20.74 ug/L	96
5) Bromomethane	2.16	94	55675	22.63 ug/L	98
6) Chloroethane	2.24	64	37971	21.81 ug/L	89
7) t-Butyl alcohol (TBA)	3.30	59	44489	84.13 ug/L	97
8) Trichlorofluoromethane	2.48	101	119084	19.07 ug/L	96
9) Diethyl ether	2.81	74	33782	22.17 ug/L	95
10) 1,1,2-Trichlorotrifluoroet	2.97	101	69640	20.92 ug/L	98
12) Acetone	3.04	43	151544	110.00 ug/L	99
13) 1,1-Dichloroethene	3.18	96	60707	21.51 ug/L	97
14) Methyl iodide	3.57	142	115293	26.55 ug/L	100
15) Di-isopropyl ether (DIPE)	4.86	45	231295	20.37 ug/L	99
16) Methylene Chloride	3.85	84	85333	19.20 ug/L	92
17) Carbon Disulfide	3.81	76	212144	22.87 ug/L	100
18) Acrylonitrile	4.06	53	28469	22.10 ug/L	95
19) Methyl-tert-butyl ether (M	4.10	73	388272	41.55 ug/L	98
20) trans-1,2-Dichloroethene	4.31	96	72697	21.37 ug/L	95
21) 1,1-Dichloroethane	5.00	63	136519	21.41 ug/L	99
22) Vinyl acetate	5.05	86	7324	14.86 ug/L	89
23) Methyl ethyl ketone	5.70	72	38945	102.39 ug/L	86
24) Ethyl t-butyl ether (ETBE)	5.52	59	238066	20.49 ug/L	99
25) 2,2-Dichloropropane	5.87	77	113529	22.21 ug/L	100
26) cis-1,2-Dichloroethene	5.95	96	81180	21.77 ug/L	96
27) t-Amyl methyl ether (TAME)	7.27	73	184195	20.44 ug/L	98
29) Chloroform	6.20	83	139115	21.67 ug/L	94
30) Bromochloromethane	6.45	128	40063	21.76 ug/L #	91

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44017Q.D
Acq On : 28 Sep 2010 9:55 am
Sample : LL09280I2
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010

Vial: 6
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.49	71	8263	19.86 ug/L	91
32)	1,1,1-Trichloroethane	6.81	97	117782	22.13 ug/L	95
34)	1,1-Dichloropropene	7.06	75	98159	21.57 ug/L	97
35)	Carbon Tetrachloride	7.18	119	95541	22.28 ug/L	100
37)	1,2-Dichloroethane	7.46	62	126554	21.34 ug/L	99
38)	Benzene	7.46	78	237698	21.05 ug/L	97
40)	Trichloroethene	8.42	95	77928	21.39 ug/L	94
41)	1,2-Dichloropropane	8.69	63	68519	20.61 ug/L	99
42)	Methylmethacrylate	8.86	69	46844	20.77 ug/L	99
43)	Methyl acetate	3.65	43	70238	20.68 ug/L	96
44)	Cyclohexane	6.81	56	84764	16.34 ug/L #	79
45)	Bromodichloromethane	9.05	83	104271	20.82 ug/L	99
46)	Dibromomethane	9.12	93	60311	20.47 ug/L	97
47)	1,4-Dioxane	9.12	88	21301	463.96 ug/L	92
48)	Methylcyclohexane	8.49	83	103682	21.36 ug/L	98
51)	2-Hexanone	10.99	58	150567	101.43 ug/L	96
52)	Methyl isobutyl ketone	9.63	58	147768	98.41 ug/L	98
53)	cis-1,3-Dichloropropene	9.91	75	113952	21.60 ug/L	97
55)	Toluene	10.38	92	153861	21.03 ug/L	97
56)	trans-1,3-Dichloropropene	10.70	75	100918	19.48 ug/L	99
58)	1,1,2-Trichloroethane	10.92	83	53398	21.27 ug/L	97
59)	1,3-Dichloropropane	11.32	76	102208	21.18 ug/L	100
60)	Tetrachloroethene	11.37	166	79517	25.16 ug/L	97
61)	Dibromochloromethane	11.68	129	79410	21.12 ug/L	91
62)	1,2-Dibromoethane	11.98	107	80644	21.35 ug/L	98
64)	Chlorobenzene	12.64	112	184509	21.29 ug/L	99
65)	1,1,1,2-Tetrachloroethane	12.73	131	64187	21.22 ug/L	100
66)	Ethylbenzene	12.75	91	297202	21.44 ug/L	100
67)	m,p-Xylene	12.88	106	222581	42.77 ug/L	97
68)	o-Xylene	13.55	106	106120	20.87 ug/L	95
69)	Styrene	13.62	104	195392	21.85 ug/L	97
70)	Bromoform	14.11	173	47850	21.17 ug/L	98
71)	Isopropylbenzene	14.14	105	253961	19.23 ug/L	95
72)	1,1,2,2-Tetrachloroethane	14.43	83	80635	19.97 ug/L	99
74)	1,2,3-Trichloropropane	14.65	75	59708	19.16 ug/L	95
75)	trans-1,4-Dichloro-2-buten	14.80	88	13771	21.11 ug/L #	43
76)	n-Propylbenzene	14.78	91	348470	21.43 ug/L	97
77)	Bromobenzene	14.79	156	68702	21.22 ug/L	98
78)	1,3,5-Trimethylbenzene	15.04	105	232899	21.42 ug/L	100
79)	2-Chlorotoluene	15.03	91	228683	20.98 ug/L	98
80)	4-Chlorotoluene	15.11	91	210598	20.85 ug/L	100
81)	tert-butylbenzene	15.60	119	198359m	21.71 ug/L	

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44017Q.D
Acq On : 28 Sep 2010 9:55 am
Sample : LL09280I2
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010

Vial: 6
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.66	105	240110	20.87 ug/L	98
83)	Pentachloroethane	15.67	167	28803	16.54 ug/L	99
84)	sec-butylbenzene	15.94	105	315315	22.29 ug/L	99
85)	p-isopropyltoluene	16.18	119	233900	21.01 ug/L	97
86)	1,3-Dichlorobenzene	16.28	146	119722	21.09 ug/L	96
88)	1,4-Dichlorobenzene	16.46	146	122699	21.53 ug/L	99
89)	n-butylbenzene	16.84	91	249806	22.64 ug/L	98
90)	1,2-Dichlorobenzene	17.04	146	113057	21.67 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.32	75	15874	20.81 ug/L	97
94)	1,2,4-Trichlorobenzene	19.75	180	76653	20.90 ug/L	95
95)	Hexachlorobutadiene	20.01	225	33871	22.01 ug/L	99
96)	Naphthalene	20.14	128	126382	18.86 ug/L	97
97)	1,2,3-Trichlorobenzene	20.56	180	70400	21.68 ug/L	97
98)	1,3,5-Trichlorobenzene	18.71	180	84595	21.06 ug/L	96

59910

(#) = qualifier out of range (m) = manual integration

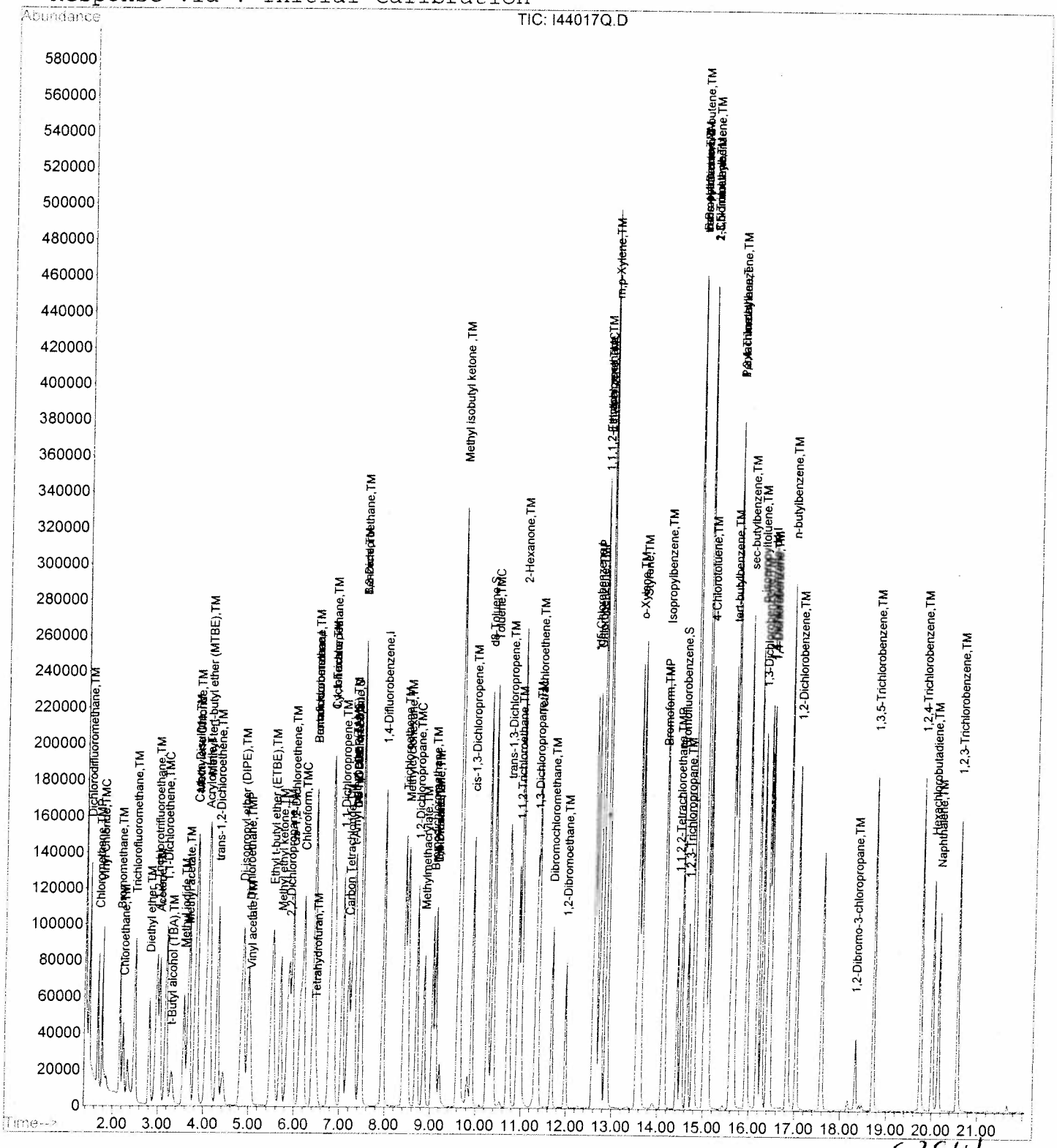
Data File : C:\HPCHEM\1\DATA\092810-I\I44017Q.D
Acq On : 28 Sep 2010 9:55 am
Sample : LL09280I2
Misc : ,5.00,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010

Vial: 6
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

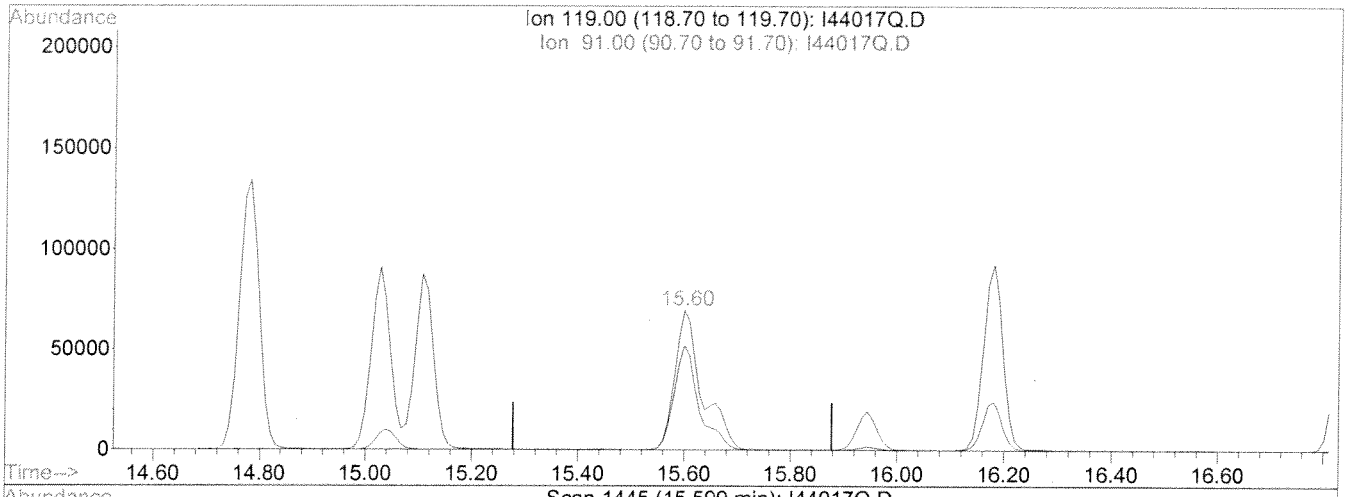


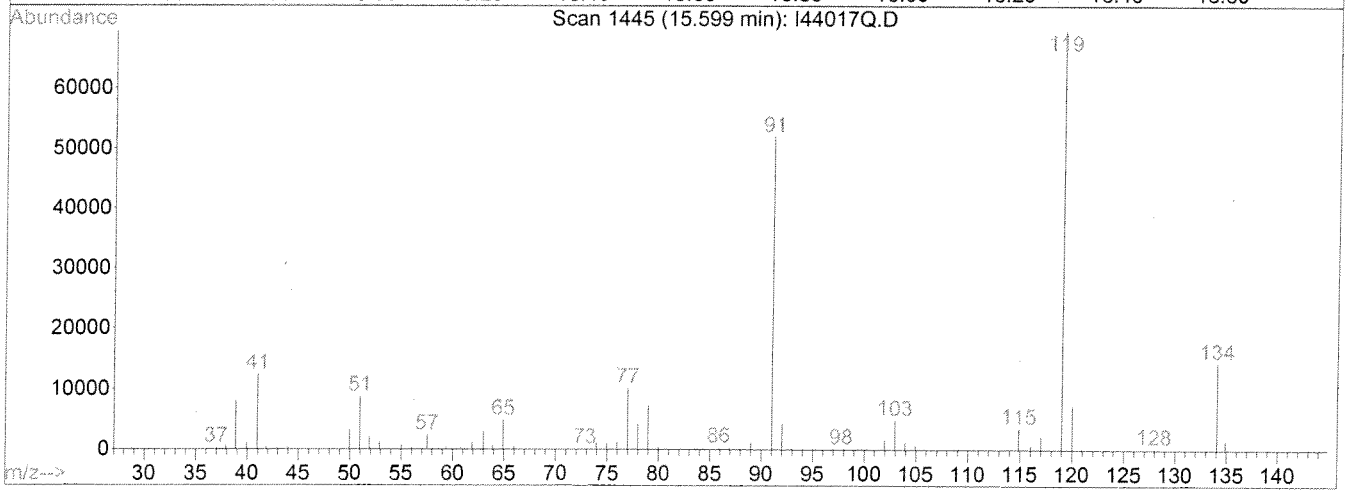
S9290

Data File : C:\HPCHEM\1\DATA\092810-I\I44017Q.D Vial: 6
Acq On : 28 Sep 2010 9:55 am Operator: MT
Sample : LL09280I2 Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10
ea/co-el.





TIC: I44017Q.D

(81) tert-butylbenzene (TM)

15.60min 27.44ug/L

response 250752

Ion	Exp%	Act%
119.00	100	100
91.00	75.50	74.50
0.00	0.00	0.00
0.00	0.00	0.00

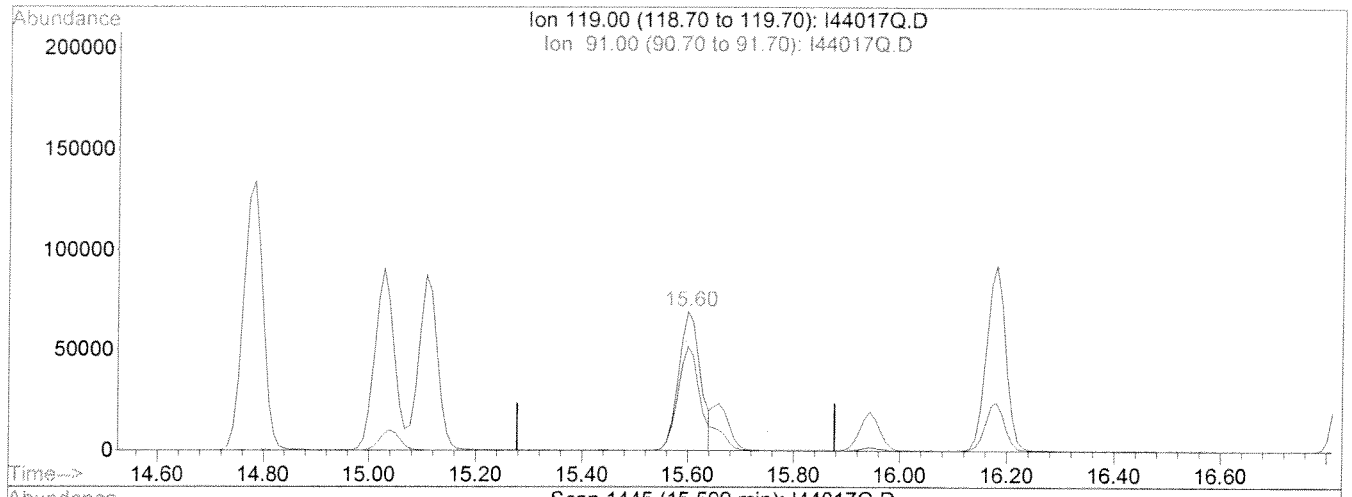
5929W

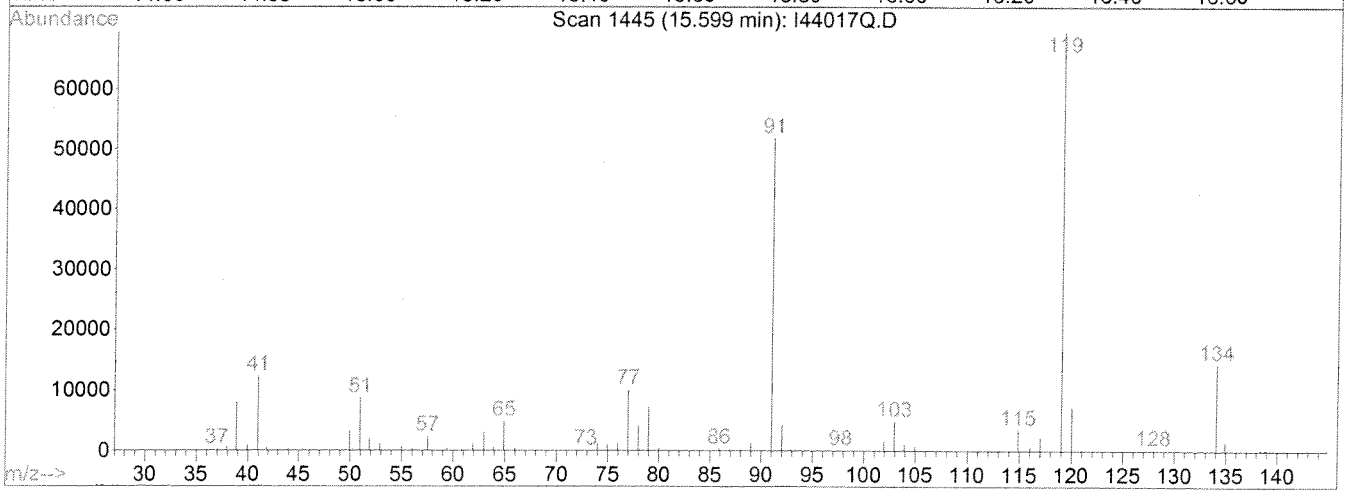
I44017Q.D VS09270I.M Tue Sep 28 14:05:28 2010

Data File : C:\HPCHEM\1\DATA\092810-I\I44017Q.D Vial: 6
Acq On : 28 Sep 2010 9:55 am Operator: MT
Sample : LL09280I2 Inst : Instrumen
Misc : ,5.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:05 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10





TIC: I44017Q.D

(81) tert-butylbenzene (TM)

15.60min 21.71ug/L m

response 198359

Ion	Exp%	Act%
119.00	100	100
91.00	75.50	74.70
0.00	0.00	0.00
0.00	0.00	0.00

392910

VOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

MT 9/29/10

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: 67835-6
Spike: 67835-6,MS
Spike duplicate: 67835-6,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	20	75	125	25	0.0	18	91		20	97		6	
Chloromethane	20	20	75	125	25	0.0	17	86		19	93		7	
Vinyl Chloride	20	20	75	125	25	0.0	19	96		21	101		5	
Bromomethane	20	20	75	125	25	0.0	19	96		20	98		2	
Chloroethane	20	20	75	125	25	0.0	19	99		21	105		6	
t-Butyl alcohol (TBA)	98	102	75	125	25	0.0	91	93		95	93		0	
Trichlorofluoromethane	20	20	75	125	25	0.0	17	87		19	91		4	
Diethyl ether	20	20	75	125	25	0.0	20	103		21	105		2	
1,1,2-Trichlorotrifluoroethane	20	20	75	125	25	0.0	19	96		20	100		4	
Acetone	98	102	75	125	25	52.1	126	75		136	82		9	
1,1-Dichloroethene	20	20	75	125	25	0.0	19	97		20	99		2	
Methyl iodide	20	20	75	125	25	0.0	18	93		22	108		15	
Di-isopropyl ether (DIPE)	20	20	75	125	25	0.0	19	99		20	100		1	
Methylene Chloride	20	20	75	125	25	20.0	27	34	*	28	41	*	18	
Carbon Disulfide	20	20	75	125	25	0.0	20	102		21	104		2	
Methyl-tert-butyl ether (MTBE)	39	41	75	125	25	0.0	40	103		42	103		0	
trans-1,2-Dichloroethene	20	20	75	125	25	0.0	19	99		21	103		4	
1,1-Dichloroethane	20	20	75	125	25	0.0	19	100		21	102		2	
Vinyl acetate	20	20	75	125	25	0.0	7	37	*	8	38	*	2	
Methyl ethyl ketone	98	102	75	125	25	0.0	98	100		103	101		1	
Ethyl t-butyl ether (ETBE)	20	20	75	125	25	0.0	20	100		21	102		2	
2,2-Dichloropropane	20	20	75	125	25	0.0	20	101		21	105		4	
cis-1,2-Dichloroethene	20	20	75	125	25	0.0	20	103		22	106		3	
t-Amyl methyl ether (TAME)	20	20	75	125	25	0.0	20	102		21	103		1	
Chloroform	20	20	75	125	25	0.0	20	102		21	104		2	
Bromochloromethane	20	20	75	125	25	0.0	21	107		22	110		2	
Tetrahydrofuran	20	20	75	125	25	0.0	20	102		20	100		3	
1,1,1-Trichloroethane	20	20	75	125	25	0.0	20	104		21	105		1	
1,1-Dichloropropene	20	20	75	125	25	0.0	20	100		21	105		4	
Carbon Tetrachloride	20	20	75	125	25	0.0	21	106		22	107		0	
1,2-Dichloroethane	20	20	75	125	25	0.0	20	104		21	103		1	
Benzene	20	20	75	125	25	0.0	19	98		20	99		1	
Trichloroethene	20	20	75	125	25	0.0	19	99		21	103		4	
1,2-Dichloropropane	20	20	75	125	25	0.0	19	97		21	102		4	
Methylmethacrylate	20	20	75	125	25	0.0	21	107		22	108		1	
Methyl acetate	20	20	75	125	25	2.9	24	106		27	119		12	
Cyclohexane	20	20	75	125	25	0.0	16	82		17	86		5	
Bromodichloromethane	20	20	75	125	25	0.0	19	99		20	100		1	
Dibromomethane	20	20	75	125	25	0.0	19	98		20	98		0	
1,4-Dioxane	489	509	75	125	25	0.0	448	92		465	91		0	
Methylcyclohexane	20	20	75	125	25	0.0	18	88		18	92		5	
2-Hexanone	98	102	75	125	25	0.0	96	98		104	102		4	
Methyl isobutyl ketone	98	102	75	125	25	0.0	95	97		101	99		3	
cis-1,3-Dichloropropene	20	20	75	125	25	0.0	20	100		21	103		3	
Toluene	20	20	75	125	25	0.0	19	98		21	102		3	
trans-1,3-Dichloropropene	20	20	75	125	25	0.0	18	91		19	95		4	
1,1,2-Trichloroethane	20	20	75	125	25	0.0	20	101		21	103		2	
1,3-Dichloropropane	20	20	75	125	25	0.0	20	101		21	104		3	
Tetrachloroethene	20	20	75	125	25	0.0	21	105		23	114		9	
Dibromochloromethane	20	20	75	125	25	0.0	20	101		21	102		2	
1,2-Dibromoethane	20	20	75	125	25	0.0	20	102		21	104		2	
Chlorobenzene	20	20	75	125	25	0.0	19	98		21	102		5	
1,1,1,2-Tetrachloroethane	20	20	75	125	25	0.0	20	101		21	104		4	
Ethylbenzene	20	20	75	125	25	0.0	19	98		21	102		4	
m,p-Xylene	39	41	75	125	25	0.0	38	96		42	103		7	

5/29/10

VOA FORM 3

VOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

MT 9/29/10

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: 67835-6
Spike: 67835-6,MS
Spike duplicate: 67835-6,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
o-Xylene	20	20	75	125	25	0.0	19	96		21	104		8	
Styrene	20	20	75	125	25	0.0	18	94		21	101		7	
Bromoform	20	20	75	125	25	0.0	19	99		21	101		2	
Isopropylbenzene	20	20	75	125	25	0.0	16	81		18	90		10	
1,1,2,2-Tetrachloroethane	20	20	75	125	25	0.0	19	95		20	96		1	
1,2,3-Trichloropropane	20	20	75	125	25	0.0	18	93		19	96		3	
trans-1,4-Dichloro-2-butene	20	20	75	125	25	0.0	20	102		20	98		3	
n-Propylbenzene	20	20	75	125	25	0.0	17	88		20	98		10	
Bromobenzene	20	20	75	125	25	0.0	18	95		20	98		4	
1,3,5-Trimethylbenzene	20	20	75	125	25	0.0	17	88		20	99		11	
2-Chlorotoluene	20	20	75	125	25	0.0	17	89		20	98		10	
4-Chlorotoluene	20	20	75	125	25	0.0	17	89		20	96		8	
tert-butylbenzene	20	20	75	125	25	0.0	17	89		21	101		13	
1,2,4-Trimethylbenzene	20	20	75	125	25	0.0	17	86		19	94		9	
sec-butylbenzene	20	20	75	125	25	0.0	17	84		20	99		16	
p-isopropyltoluene	20	20	75	125	25	0.0	16	81		19	95		16	
1,3-Dichlorobenzene	20	20	75	125	25	0.0	17	84		19	93		10	
1,4-Dichlorobenzene	20	20	75	125	25	0.0	18	90		21	103		14	
n-butylbenzene	20	20	75	125	25	0.0	17	85		21	101		17	
1,2-Dichlorobenzene	20	20	75	125	25	0.0	17	89		21	102		14	
1,2-Dibromo-3-chloropropane	20	20	75	125	25	0.0	20	100		20	97		3	
1,2,4-Trichlorobenzene	20	20	75	125	25	0.0	13	68	* M	16	80 ✓		16	
Hexachlorobutadiene	20	20	75	125	25	0.0	12	62	*	15	76		19	
Naphthalene	20	20	75	125	25	0.0	16	81		17	85		5	
1,2,3-Trichlorobenzene	20	20	75	125	25	0.0	13	68	* M	16	77		12	
1,3,5-Trichlorobenzene	20	20	75	125	25	0.0	14	73	* M	18	88		19	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

9/29/10

VOA FORM 3

Data File : C:\HPCHEM\1\DATA\092810-I\I44035SP.D Vial: 24
Acq On : 28 Sep 2010 6:29 pm Operator: MT
Sample : 67835-6,MS Inst : Instrumen
Misc : ,5.56,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:54 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	114776	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	7.95	114	216811	20.00	ug/L	0.02
63) *d5-Chlorobenzene	12.58	117	184244	20.00	ug/L	0.01
87) 1,4-Dichlorobenzene-d4	16.40	152	75540	20.00	ug/L	0.02
System Monitoring Compounds						
28) DB HOLDER #28	7.32	65	101921	20.78	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.90%			
36) d4-1,2-Dichloroethane	7.32	65	101921	20.78	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.90%			
54) d8-Toluene	10.25	98	229511	19.70	ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.50%			
73) Bromofluorobenzene	14.51	95	91469	19.44	ug/L	0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.20%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	73566	18.28	ug/L	100
3) Chloromethane	1.68	50	60031	17.26	ug/L	100
4) Vinyl Chloride	1.77	62	58869	19.26	ug/L	97
5) Bromomethane	2.16	94	45987	19.21	ug/L	97
6) Chloroethane	2.24	64	33457	19.75	ug/L	98
7) t-Butyl alcohol (TBA)	3.32	59	48082	93.46	ug/L	97
8) Trichlorofluoromethane	2.49	101	106318	17.50	ug/L	95
9) Diethyl ether	2.82	74	30453	20.54	ug/L	92
10) 1,1,2-Trichlorotrifluoroet	2.97	101	62003	19.14	ug/L	99
12) Acetone	3.05	43	172360	128.61	ug/L	100
13) 1,1-Dichloroethene	3.18	96	53323	19.42	ug/L	96
14) Methyl iodide	3.57	142	78419	18.56	ug/L	99
15) Di-isopropyl ether (DIPE)	4.86	45	218204	19.75	ug/L	98
16) Methylene Chloride	3.85	84	109542	27.32	ug/L	99
17) Carbon Disulfide	3.82	76	184501	20.45	ug/L	100
18) Acrylonitrile	4.07	53	25705	20.51	ug/L	94
19) Methyl-tert-butyl ether (M	4.10	73	372923	41.02	ug/L	98
20) trans-1,2-Dichloroethene	4.30	96	65432	19.77	ug/L	98
21) 1,1-Dichloroethane	5.00	63	123596	19.92	ug/L	98
23) Methyl ethyl ketone	5.70	72	36943	99.83	ug/L	89
24) Ethyl t-butyl ether (ETBE)	5.52	59	226724	20.06	ug/L	99
25) 2,2-Dichloropropane	5.88	77	100733	20.26	ug/L	98
26) cis-1,2-Dichloroethene	5.96	96	74589	20.57	ug/L	97
27) t-Amyl methyl ether (TAME)	7.28	73	178908	20.41	ug/L	98
29) Chloroform	6.20	83	127740	20.45	ug/L	96
30) Bromochloromethane	6.45	128	38438	21.46	ug/L #	89
31) Tetrahydrofuran	6.50	71	8289	20.48	ug/L	89

(#) = qualifier out of range (m) = manual integration S92910

Data File : C:\HPCHEM\1\DATA\092810-I\I44035SP.D Vial: 24
Acq On : 28 Sep 2010 6:29 pm Operator: MT
Sample : 67835-6,MS Inst : Instrumen
Misc : ,5.56,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:54 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32)	1,1,1-Trichloroethane	6.80	97	107540	20.77 ug/L	98
34)	1,1-Dichloropropene	7.06	75	88755	20.05 ug/L	95
35)	Carbon Tetrachloride	7.19	119	88579	21.23 ug/L	98
37)	1,2-Dichloroethane	7.46	62	119579	20.73 ug/L	99
38)	Benzene	7.45	78	216337	19.69 ug/L	99
40)	Trichloroethene	8.41	95	70528	19.77 ug/L	95
41)	1,2-Dichloropropane	8.70	63	63497	19.50 ug/L	98
42)	Methylmethacrylate	8.85	69	47145	21.34 ug/L	97
43)	Methyl acetate	3.66	43	81658	24.55 ug/L	98
44)	Cyclohexane	6.81	56	82935m	16.32 ug/L	
45)	Bromodichloromethane	9.04	83	97108	19.80 ug/L	99
46)	Dibromomethane	9.11	93	56628	19.63 ug/L	97
47)	1,4-Dioxane	9.10	88	20608	458.33 ug/L	89
48)	Methylcyclohexane	8.48	83	85052	17.89 ug/L	98
51)	2-Hexanone	10.98	58	142878	98.28 ug/L	97
52)	Methyl isobutyl ketone	9.62	58	142090	96.62 ug/L	97
53)	cis-1,3-Dichloropropene	9.91	75	103637	20.06 ug/L	96
55)	Toluene	10.37	92	140673	19.63 ug/L	97
56)	trans-1,3-Dichloropropene	10.70	75	92454	18.23 ug/L	98
58)	1,1,2-Trichloroethane	10.92	83	49608	20.18 ug/L	98
59)	1,3-Dichloropropane	11.32	76	95298	20.16 ug/L	97
60)	Tetrachloroethene	11.37	166	64889	20.97 ug/L	97
61)	Dibromochloromethane	11.67	129	74121	20.13 ug/L	94
62)	1,2-Dibromoethane	11.98	107	75727	20.47 ug/L	97
64)	Chlorobenzene	12.64	112	164750	19.53 ug/L	98
65)	1,1,1,2-Tetrachloroethane	12.73	131	59239	20.12 ug/L	96
66)	Ethylbenzene	12.75	91	264405	19.59 ug/L	99
67)	m,p-Xylene	12.87	106	194596	38.40 ug/L	97
68)	o-Xylene	13.54	106	95066	19.20 ug/L	94
69)	Styrene	13.61	104	163989	18.84 ug/L	99
70)	Bromoform	14.11	173	43683	19.85 ug/L	97
71)	Isopropylbenzene	14.13	105	209271	16.28 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.42	83	74560	18.96 ug/L	100
74)	1,2,3-Trichloropropane	14.65	75	56260	18.54 ug/L	97
75)	trans-1,4-Dichloro-2-buten	14.80	88	12903	20.31 ug/L #	43
76)	n-Propylbenzene	14.78	91	279589	17.66 ug/L	96
77)	Bromobenzene	14.79	156	59591	18.91 ug/L	99
78)	1,3,5-Trimethylbenzene	15.03	105	186703	17.63 ug/L	99
79)	2-Chlorotoluene	15.02	91	188711	17.78 ug/L	95
80)	4-Chlorotoluene	15.10	91	174155	17.71 ug/L	99
81)	tert-butylbenzene	15.59	119	157792	17.74 ug/L	99
82)	1,2,4-Trimethylbenzene	15.65	105	193737	17.30 ug/L	99

(#) = qualifier out of range (m) = manual integration

592960

Data File : C:\HPCHEM\1\DATA\092810-I\I44035SP.D Vial: 24
Acq On : 28 Sep 2010 6:29 pm Operator: MT
Sample : 67835-6,MS Inst : Instrumen
Misc : ,5.56,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:54 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
83)	Pentachloroethane	15.65	167	28044	16.54 ug/L	94
84)	sec-butylbenzene	15.94	105	232323	16.87 ug/L	97
85)	p-isopropyltoluene	16.17	119	176320	16.27 ug/L	96
86)	1,3-Dichlorobenzene	16.27	146	93379	16.90 ug/L	97
88)	1,4-Dichlorobenzene	16.45	146	96258	17.93 ug/L	100
89)	n-butylbenzene	16.83	91	177027	17.03 ug/L	97
90)	1,2-Dichlorobenzene	17.03	146	87421	17.78 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.32	75	14374	20.00 ug/L	89
94)	1,2,4-Trichlorobenzene	19.74	180	46773	13.54 ug/L	97
95)	Hexachlorobutadiene	20.00	225	18084	12.47 ug/L	93
96)	Naphthalene	20.14	128	100766	16.14 ug/L	98
97)	1,2,3-Trichlorobenzene	20.56	180	41620	13.60 ug/L	91
98)	1,3,5-Trichlorobenzene	18.71	180	55210	14.59 ug/L	97

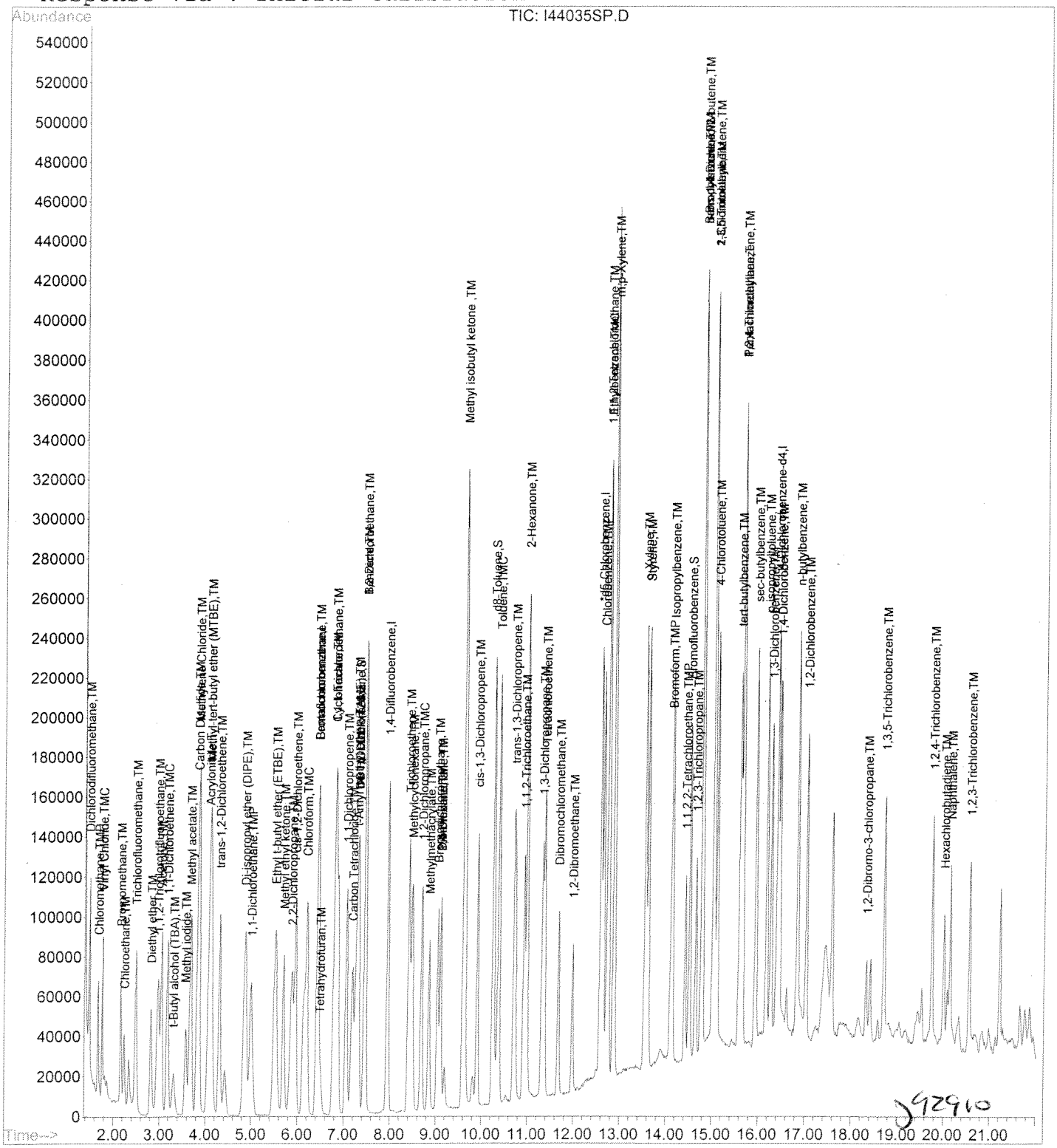
J 9/29/10

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092810-I\I44035SP.D Vial: 24
Acq On : 28 Sep 2010 6:29 pm Operator: MT
Sample : 67835-6,MS Inst : Instrumen
Misc : ,5.56,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:54 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

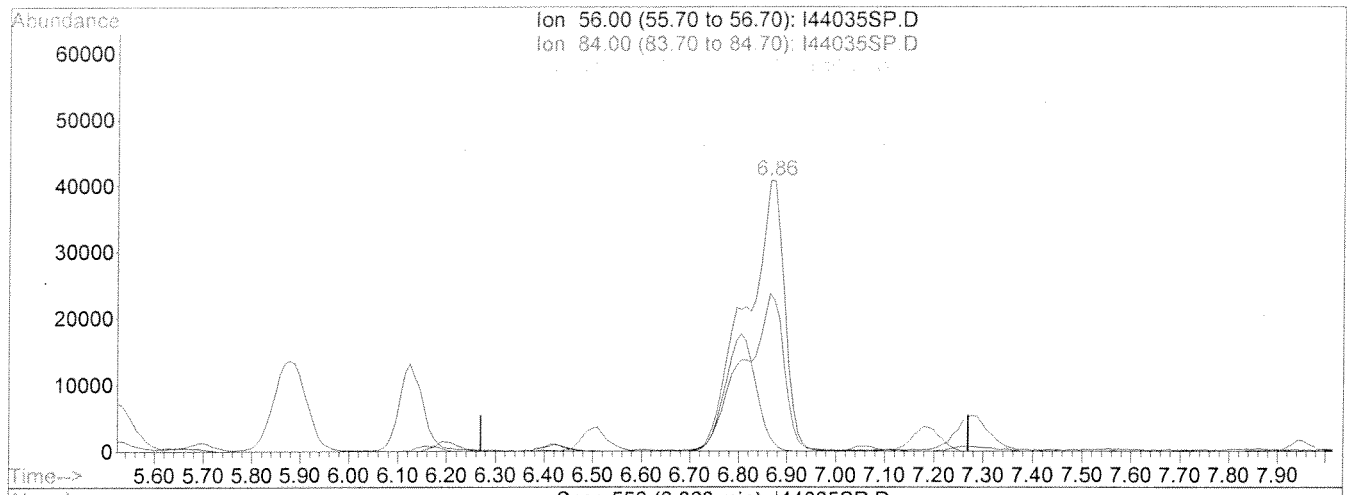


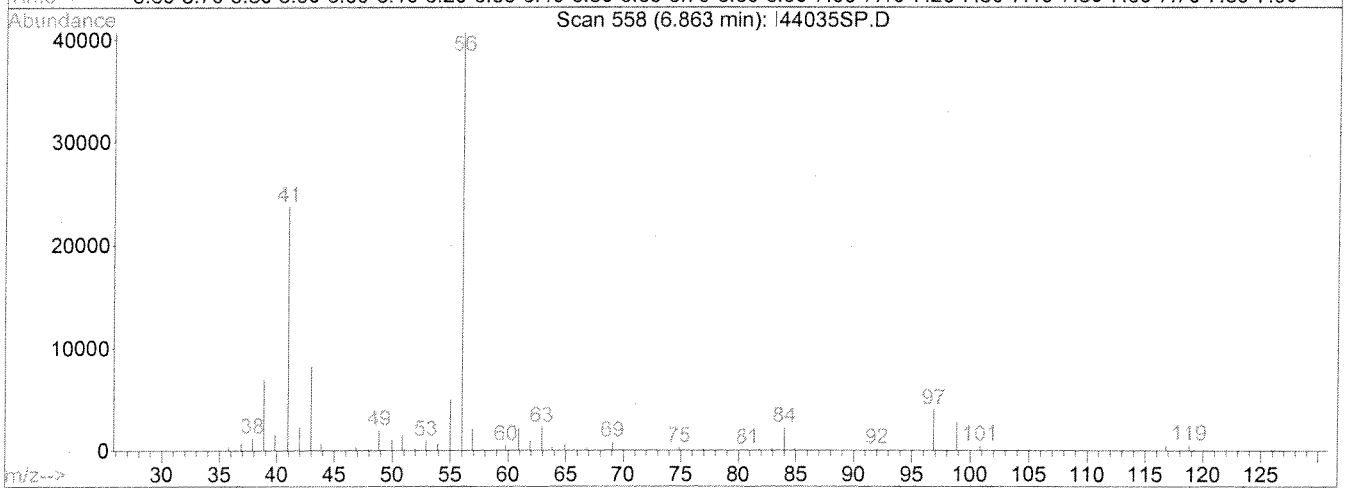
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\092810-I\I44035SP.D Vial: 24
Acq On : 28 Sep 2010 6:29 pm Operator: MT
Sample : 67835-6,MS Inst : Instrumen
Misc : ,5.56,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:44 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10
Co-el.





TIC: I44035SP.D

(44) Cyclohexane (TM)

6.86min 44.80ug/L

response 227649

Ion	Exp%	Act%
56.00	100	100
84.00	79.50	0.00#
41.00	63.20	60.27
0.00	0.00	0.00

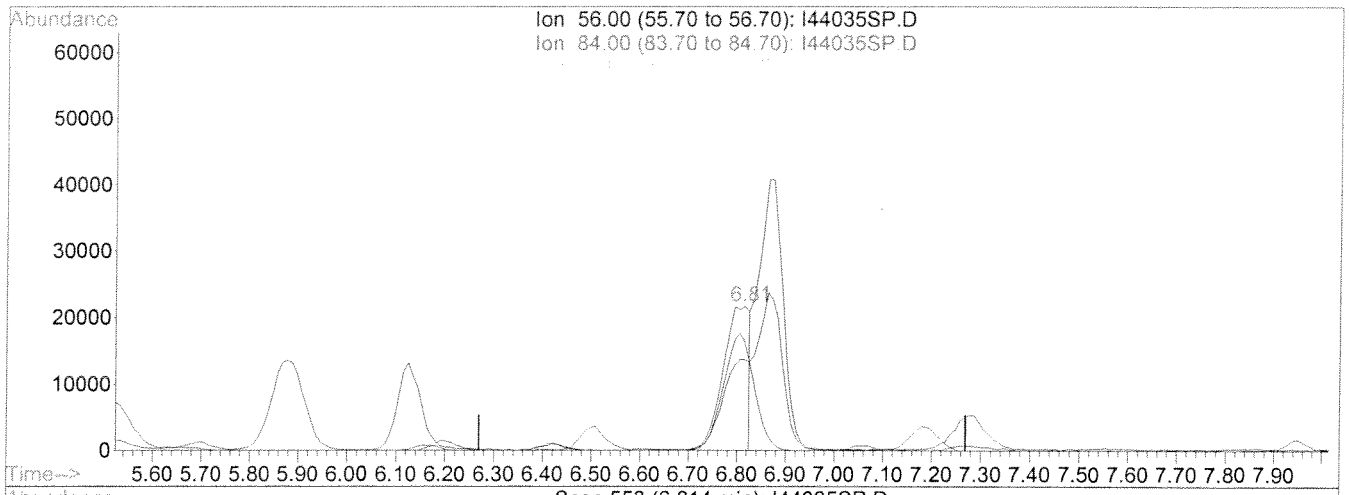
092910

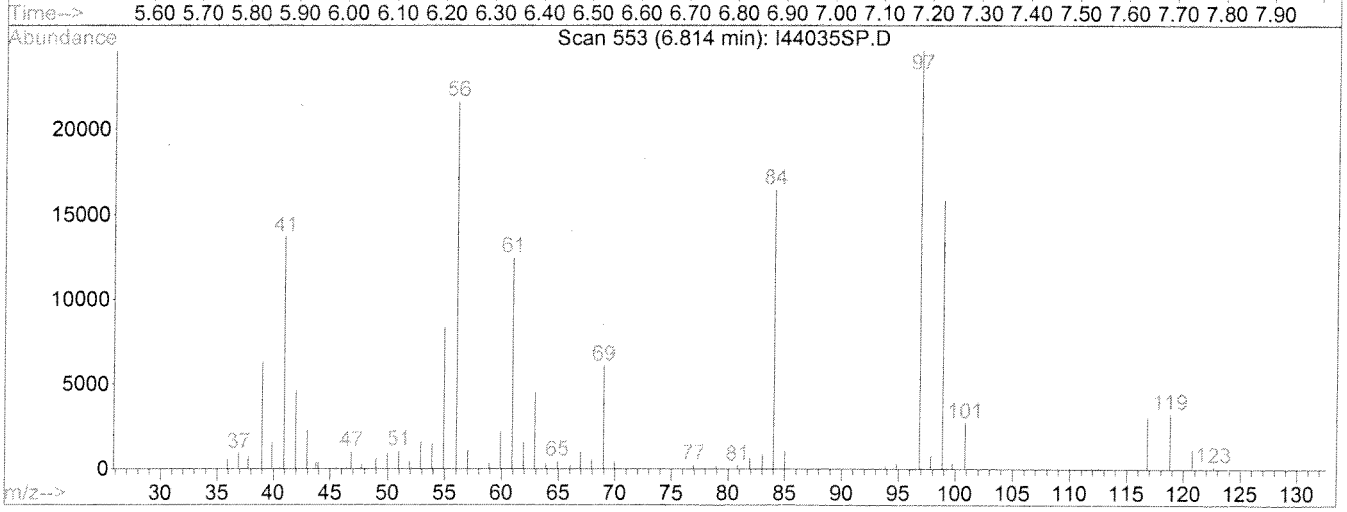
I44035SP.D VS09270I.M Wed Sep 29 06:54:16 2010

Data File : C:\HPCHEM\1\DATA\092810-I\I44035SP.D Vial: 24
Acq On : 28 Sep 2010 6:29 pm Operator: MT
Sample : 67835-6,MS Inst : Instrumen
Misc : ,5.56,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:54 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10





TIC: I44035SP.D

(44) Cyclohexane (TM)

6.81min 16.32ug/L m

response 82935

Ion	Exp%	Act%
56.00	100	100
84.00	79.50	0.00#
41.00	63.20	165.43#
0.00	0.00	0.00

D92900

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44036SP.D Vial: 25
Acq On : 28 Sep 2010 6:57 pm Operator: MT
Sample : 67835-6,MSD Inst : Instrumen
Misc : ,5.34,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:54 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	116754	20.00 ug/L	0.03
39) 1,4-Difluorobenzene	7.95	114	220495 ✓	20.00 ug/L	0.03
63) *d5-Chlorobenzene	12.58	117	189345	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.39	152	76767	20.00 ug/L	0.02
System Monitoring Compounds					
28) DB HOLDER #28	7.32	65	103027	20.65 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.25% ✓		
36) d4-1,2-Dichloroethane	7.32	65	103027	20.65 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.25% ✓		
54) d8-Toluene	10.25	98	238741	20.15 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.75% ✓		
73) Bromofluorobenzene	14.51	95	94315	19.51 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.55% ✓		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	79356	19.39 ug/L	98
3) Chloromethane	1.67	50	65696	18.57 ug/L	100
4) Vinyl Chloride	1.77	62	62977	20.26 ug/L	97
5) Bromomethane	2.16	94	47615	19.55 ug/L	94
6) Chloroethane	2.24	64	36260	21.05 ug/L	90
7) t-Butyl alcohol (TBA)	3.31	59	48895	93.43 ug/L	97
8) Trichlorofluoromethane	2.49	101	112627	18.22 ug/L	99
9) Diethyl ether	2.81	74	31660	20.99 ug/L	96
10) 1,1,2-Trichlorotrifluoroet	2.97	101	65888	20.00 ug/L	98
12) Acetone	3.05	43	182188	133.64 ug/L	100
13) 1,1-Dichloroethene	3.18	96	55099	19.73 ug/L	94
14) Methyl iodide	3.57	142	93123	21.67 ug/L	100
15) Di-isopropyl ether (DIPE)	4.85	45	224328	19.97 ug/L	99
16) Methylene Chloride	3.85	84	113319	27.89 ug/L	99
17) Carbon Disulfide	3.82	76	191298	20.84 ug/L	100
18) Acrylonitrile	4.07	53	26377	20.69 ug/L	95
19) Methyl-tert-butyl ether (M	4.11	73	381015	41.20 ug/L	98
20) trans-1,2-Dichloroethene	4.30	96	69377	20.61 ug/L	99
21) 1,1-Dichloroethane	4.99	63	128132	20.30 ug/L	99
23) Methyl ethyl ketone	5.69	72	38121	101.27 ug/L	85
24) Ethyl t-butyl ether (ETBE)	5.52	59	234356	20.39 ug/L	99
25) 2,2-Dichloropropane	5.88	77	106384	21.03 ug/L	98
26) cis-1,2-Dichloroethene	5.96	96	78508	21.28 ug/L	95
27) t-Amyl methyl ether (TAME)	7.28	73	183001	20.52 ug/L	99
29) Chloroform	6.19	83	132515	20.86 ug/L	96
30) Bromochloromethane	6.44	128	39969	21.93 ug/L #	89
31) Tetrahydrofuran	6.50	71	8194	19.90 ug/L	97

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44036SP.D
Acq On : 28 Sep 2010 6:57 pm
Sample : 67835-6,MSD
Misc : ,5.34,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:54 2010

Vial: 25
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32)	1,1,1-Trichloroethane	6.81	97	110827	21.04 ug/L	96
34)	1,1-Dichloropropene	7.05	75	94338	20.95 ug/L	97
35)	Carbon Tetrachloride	7.18	119	90485	21.32 ug/L	98
37)	1,2-Dichloroethane	7.47	62	120569	20.55 ug/L	100
38)	Benzene	7.46	78	221665	19.83 ug/L	100
40)	Trichloroethene	8.41	95	74900	20.65 ug/L	98
41)	1,2-Dichloropropane	8.69	63	67506	20.38 ug/L	98
42)	Methylmethacrylate	8.85	69	48652	21.66 ug/L	97
43)	Methyl acetate	3.65	43	88935	26.29 ug/L	98
44)	Cyclohexane	6.80	56	88876m	17.20 ug/L	
45)	Bromodichloromethane	9.04	83	99317	19.91 ug/L	97
46)	Dibromomethane	9.10	93	57535	19.61 ug/L	97
47)	1,4-Dioxane	9.10	88	20879	456.60 ug/L	98
48)	Methylcyclohexane	8.48	83	87570	18.11 ug/L	99
51)	2-Hexanone	10.97	58	151205	102.27 ug/L	95
52)	Methyl isobutyl ketone	9.62	58	148521	99.31 ug/L	96
53)	cis-1,3-Dichloropropene	9.91	75	108303	20.61 ug/L	98
55)	Toluene	10.37	92	148127	20.32 ug/L	97
56)	trans-1,3-Dichloropropene	10.70	75	97780	18.95 ug/L	98
58)	1,1,2-Trichloroethane	10.91	83	51405	20.56 ug/L	95
59)	1,3-Dichloropropane	11.32	76	100044	20.81 ug/L	99
60)	Tetrachloroethene	11.36	166	71944	22.86 ug/L	96
61)	Dibromochloromethane	11.67	129	76684	20.47 ug/L	97
62)	1,2-Dibromoethane	11.98	107	78463	20.86 ug/L	98
64)	Chlorobenzene	12.64	112	177564	20.48 ug/L	99
65)	1,1,1,2-Tetrachloroethane	12.73	131	63199	20.88 ug/L	95
66)	Ethylbenzene	12.75	91	283283	20.43 ug/L	99
67)	m,p-Xylene	12.87	106	213923	41.08 ug/L	94
68)	o-Xylene	13.54	106	105360	20.70 ug/L	92
69)	Styrene	13.61	104	180152	20.14 ug/L	96
70)	Bromoform	14.10	173	45579	20.15 ug/L	100
71)	Isopropylbenzene	14.14	105	237428	17.97 ug/L	99
72)	1,1,2,2-Tetrachloroethane	14.42	83	77548	19.19 ug/L	100
74)	1,2,3-Trichloropropane	14.65	75	59633	19.12 ug/L	96
75)	trans-1,4-Dichloro-2-buten	14.80	88	12826	19.65 ug/L #	48
76)	n-Propylbenzene	14.77	91	317866	19.54 ug/L	96
77)	Bromobenzene	14.79	156	63759	19.68 ug/L	95
78)	1,3,5-Trimethylbenzene	15.03	105	214468	19.71 ug/L	99
79)	2-Chlorotoluene	15.02	91	213772	19.60 ug/L	96
80)	4-Chlorotoluene	15.10	91	194476	19.24 ug/L	100
81)	tert-butylbenzene	15.59	119	184346	20.17 ug/L	97
82)	1,2,4-Trimethylbenzene	15.65	105	217450	18.89 ug/L	98

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44036SP.D
Acq On : 28 Sep 2010 6:57 pm
Sample : 67835-6,MSD
Misc : ,5.34,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:54 2010

Vial: 25
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

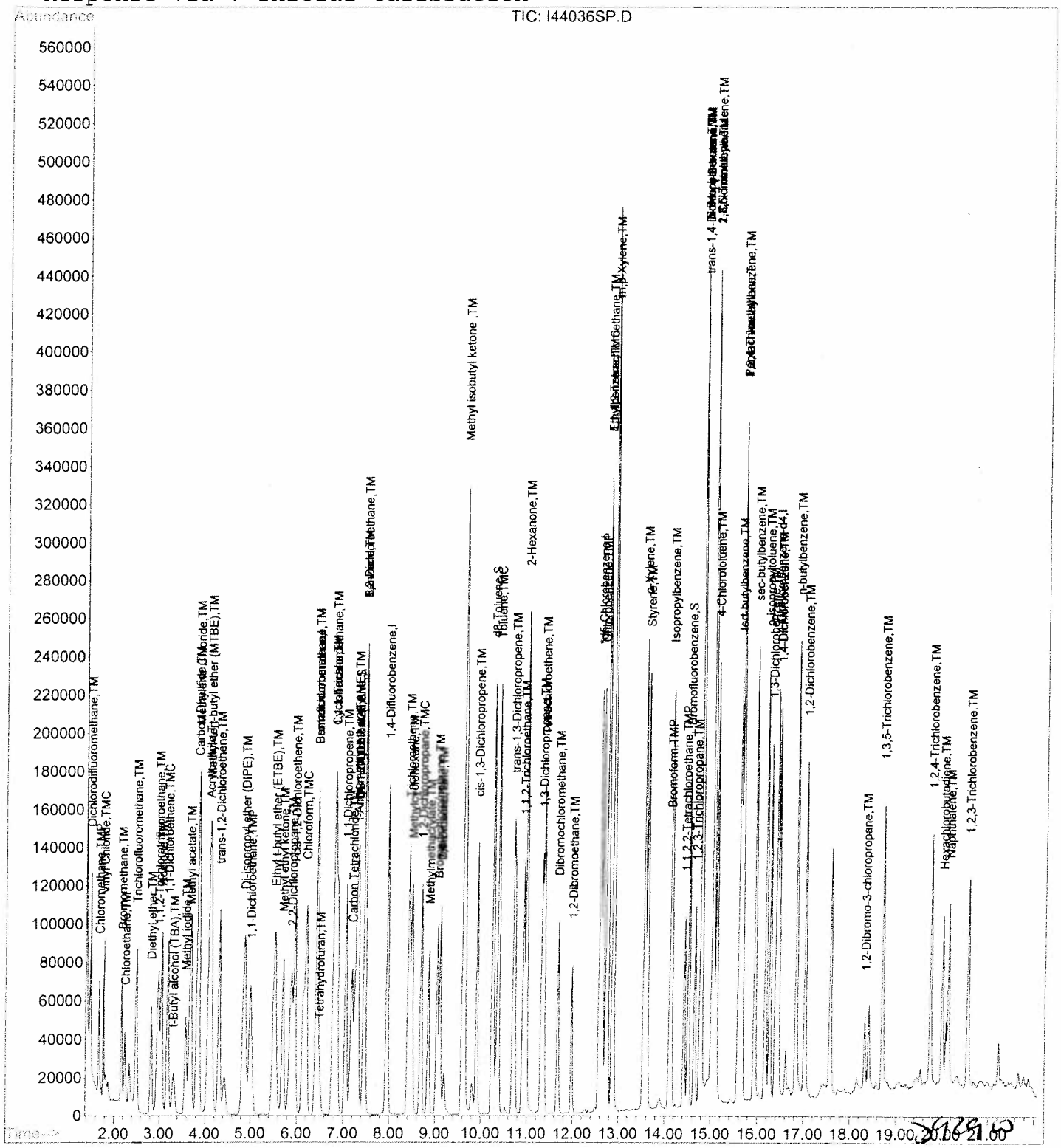
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
83)	Pentachloroethane	15.65	167	30739	17.64 ug/L	97
84)	sec-butylbenzene	15.94	105	280971	19.85 ug/L	99
85)	p-isopropyltoluene	16.18	119	212609	19.09 ug/L	97
86)	1,3-Dichlorobenzene	16.26	146	105997	18.66 ug/L	99
88)	1,4-Dichlorobenzene	16.45	146	112077	20.54 ug/L	99
89)	n-butylbenzene	16.84	91	213170	20.18 ug/L	97
90)	1,2-Dichlorobenzene	17.02	146	101903	20.40 ug/L	97
92)	1,2-Dibromo-3-chloropropan	18.31	75	14216	19.46 ug/L	95
94)	1,2,4-Trichlorobenzene	19.74	180	55912	15.92 ug/L	94
95)	Hexachlorobutadiene	20.00	225	22277	15.12 ug/L	97
96)	Naphthalene	20.14	128	108403	17.02 ug/L	99
97)	1,2,3-Trichlorobenzene	20.56	180	47583	15.30 ug/L	100
98)	1,3,5-Trichlorobenzene	18.71	180	67549	17.56 ug/L	98

9/29/10

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092810-I\I44036SP.D Vial: 25
Acq On : 28 Sep 2010 6:57 pm Operator: MT
Sample : 67835-6,MSD Inst : Instrumen
Misc : ,5.34,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:54 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil MT 9/29/10
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration



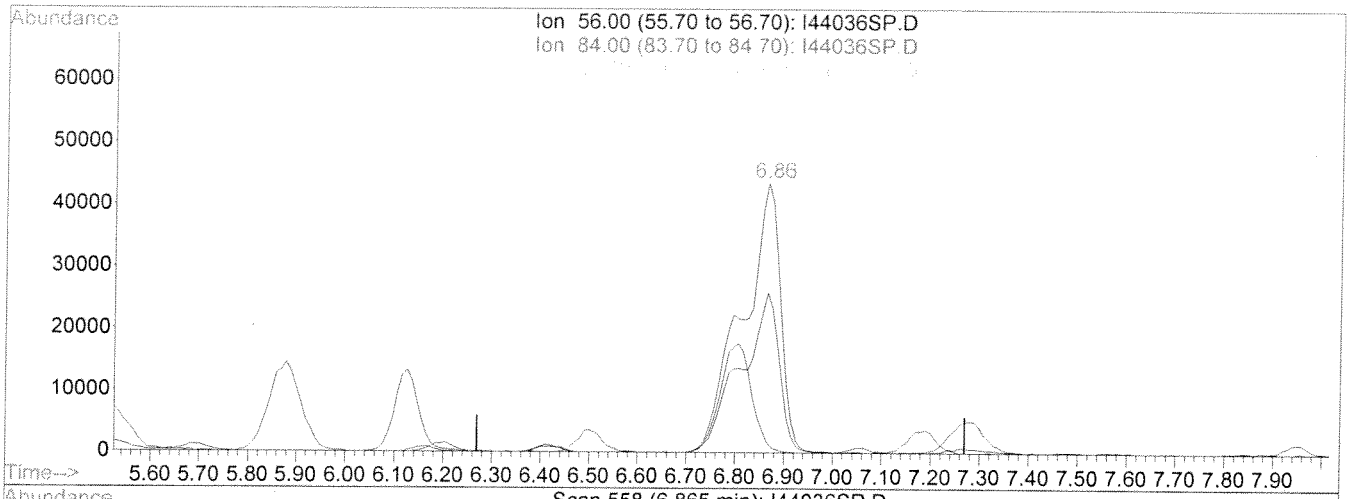
Quantitation Report (Qedit)

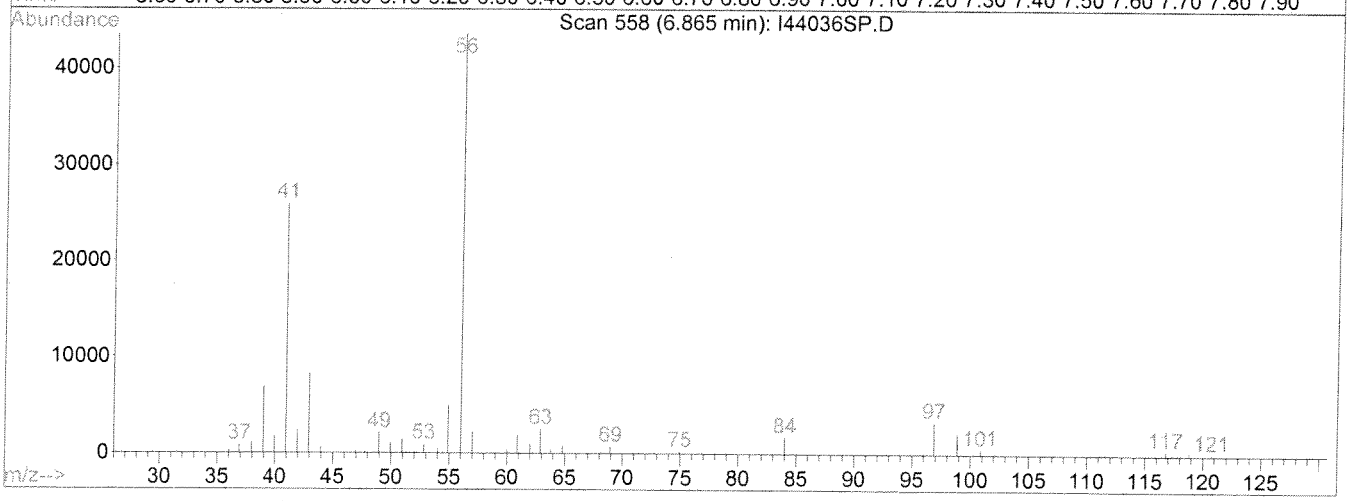
Data File : C:\HPCHEM\1\DATA\092810-I\I44036SP.D
Acq On : 28 Sep 2010 6:57 pm
Sample : 67835-6,MSD
Misc : ,5.34,SOIL
MS Integration Params: rteint.p
Quant Time: Sep 29 6:44 2010

Vial: 25
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10
co.el.





TIC: I44036SP.D

(44) Cyclohexane (TM)

6.86min 45.80ug/L

response 236725

Ion	Exp%	Act%
56.00	100	100
84.00	79.50	0.00#
41.00	63.20	60.13
0.00	0.00	0.00

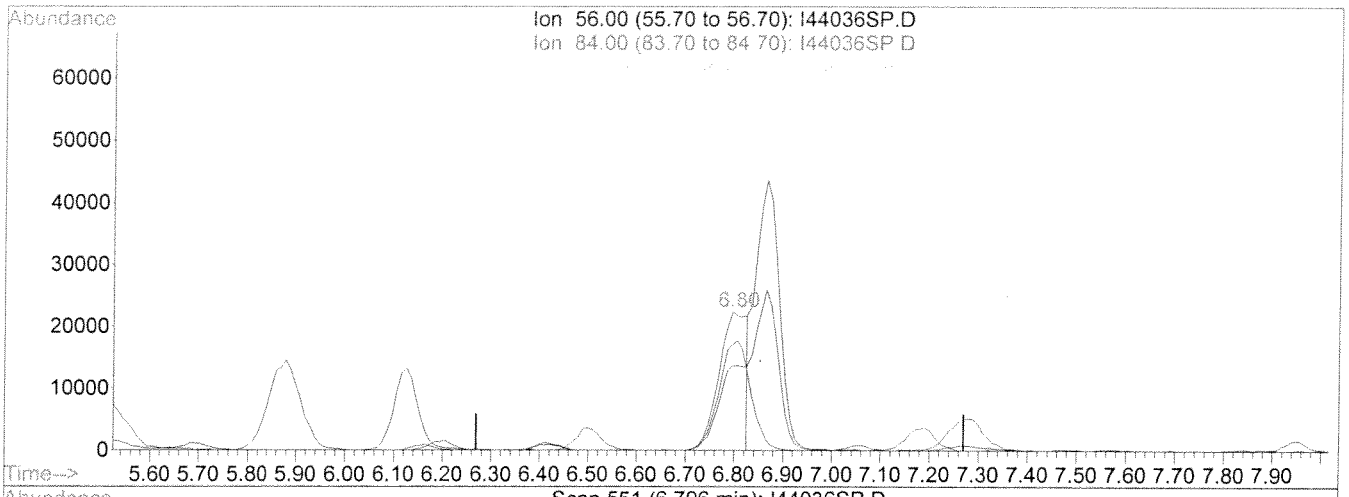
J 9/29/10

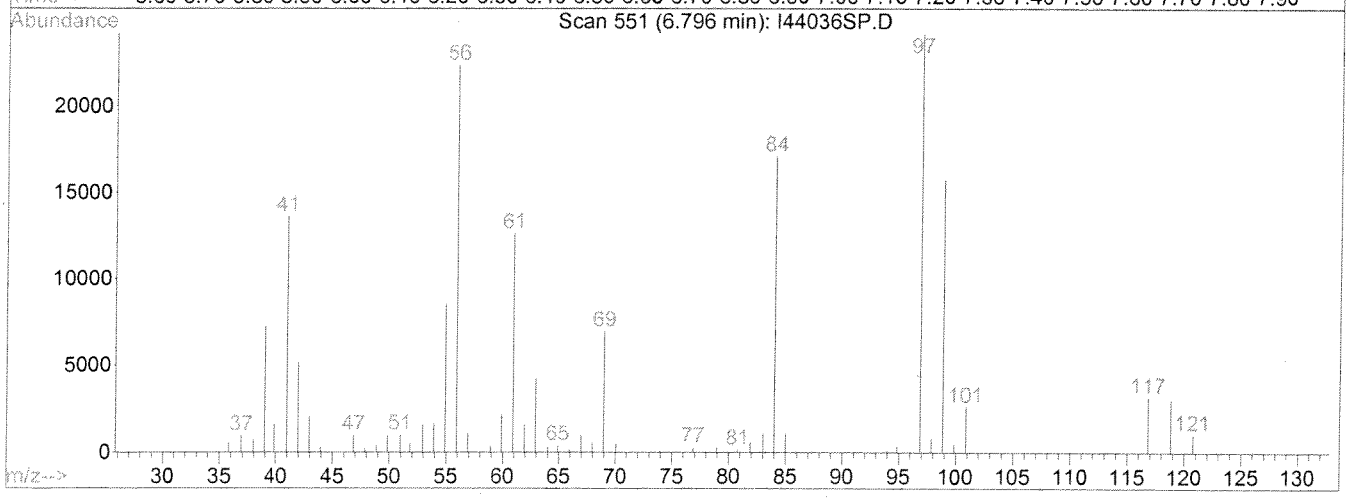
I44036SP.D VS09270I.M Wed Sep 29 06:54:43 2010

Data File : C:\HPCHEM\1\DATA\092810-I\I44036SP.D Vial: 25
Acq On : 28 Sep 2010 6:57 pm Operator: MT
Sample : 67835-6,MSD Inst : Instrumen
Misc : ,5.34,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 6:54 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10





TIC: I44036SP.D

(44) Cyclohexane (TM)

6.80min 17.20ug/L m

response 88876

Ion	Exp%	Act%
56.00	100	100
84.00	79.50	0.00#
41.00	63.20	160.16#
0.00	0.00	0.00

9 29 10

I44036SP.D VS09270I.M Wed Sep 29 06:54:48 2010

GC/MS Volatiles Instrument I:

Analytics environmental laboratory LLC

IS only – Exp: –

SS+IS V9055 Exp: 10/11/10

Voltage: 1671

Threshold: 100

092710-I

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-I-092710-1-MT							
–		Blk Desorb	–				I43991	MT	NA
–		Blk Run - No Encon	–				92		
–		Blk-step to purge	–				93		
1		Blk	5mL				94		
2		Low soil Blk	5.0				95		
3		⊥	5.0				96		
4		1ppb Test	5mL				97		
5		Blk					98		
6		Blk					99		
7	V092710I	BFB 50ng		2ml	V9050	✓	I44000T		
8		Blk					01		
9		1ppb		.25ml	V9037 V9053	✓	02si		
10		2ppb		.5ml		✓	03si		
11		5ppb		1.25ml		✓	04si		
12		20ppb		5ml		✓	05si		
13		50ppb		12.5ml		✓	06si		
14		100ppb		25ml		✓	07si		
15		Blk					08		
16		Blk					09		
17		20ppb KV		5ml	V9088 V9048	✓ All ok	10Q		
18		20ppb KV		⊥	⊥	✓ Methyl iodide ↑ 130%	11Q		

MT 9/28/10

GC/MS Volatiles Instrument I:

Analytics environmental laboratory LLC

IS only — Exp: —

SS+IS V9055 Exp: 10/11/10

Voltage: 1671

Threshold: 100

092810 I

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-I-092810-1-MT							
1	V5091701	BLK	5mL				I44012	MT	NA
2		BFB 50ng		2ul	V9050	✓	13T		7:51
3		20ppb		5ul	V9087 V9053	✓ MeCl2 ↑, MEK ↑, 1,2DB3CP ↑, 2Hex ↑	14SC		
4		20ppb		⊥	⊥	✓ Methyl iodide ↑	15SC		
5		LL092801	5.00			✓ Methyl iodide Marg ↑ in both	16 2		
6		LL092801 2	⊥			✓ Vinyl Acetate Marg ↓ in both, PCE Marg ↑ in 1,2DB	17 2		
7		BLK	5mL				18		
8		Bromoform		5ul	V9049	✓	19		
9		LB092801	⊥			✓ Methyl iodide)	20B		
10		67834-10	5.00			✓	21		
11		-11	4.86			✓	22		
12		-12	4.73			✓	23		
13		67835-1	5.56			✓	24		
14		-6	5.37			✓	25		1147
15		-5	5.89			✓	26		
16		-3	4.96			✓	27		
17		-4	5.78			✓	28		
18		67834-1	4.45			✓	29		
19		-2	5.32			✓	30		
20		-3	6.23			✓	31		
21		-4	5.14			✓	32		
22		-5	5.23			✓	33		
23		67835-2	4.89			✓	34		
24		-6, MS	5.56			✓ MeCl2, VA ↓ in both, HCBD ↓ in MS only	35SP		
25		-6, MSD	5.34			✓ 1247CB, 1235CB Marg in MS only	36SP		
26		BFB 50ng	5mL	2ul	V9050	✓	37T		
27		20ppb		5ul	V9087 V9053	✓ MEK, 2HEX, MIBK ↑	38SC		
28		20ppb	⊥	⊥	⊥	✓ All OK	39SC		
29		LL092801 3	5.00			✓ VA ↓ in both, PCE ↑ in both	40 2		
30		LL092801 4	⊥			✓ All else OK	41 2		
31		BLK	5mL				42		
32		BLK					43		
33		BLK	⊥				44		
34		LB092801 2	5.00			✓	45		
35		Cont # 8/31/10 #63				MeCl2 32	46		
36		9/28/10 #217	⊥			MeCl2 17	47		

Cont on next page

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

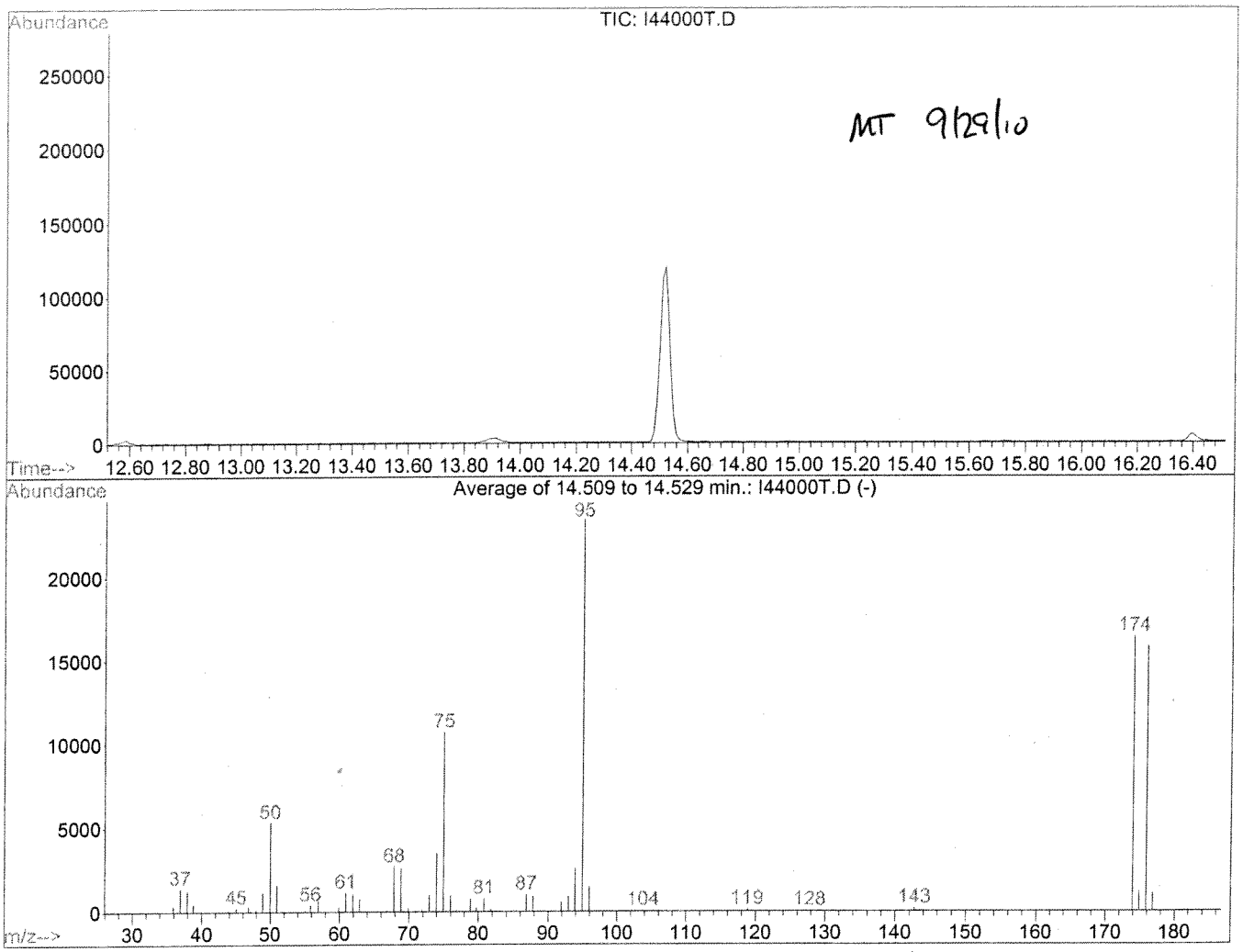
SDG: 67835
BFB File ID: I44000T.D
BFB Injection Date: 09/27/10
BFB Injection Time: 16:31

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
1 PPB	I44002SI.D	9/27/10 17:29
2 PPB	I44003SI.D	9/27/10 17:58
5 PPB	I44004SI.D	9/27/10 18:26
20 PPB	I44005SI.D	9/27/10 18:54
50 PPB	I44006SI.D	9/27/10 19:22
100 PPB	I44007SI.D	9/27/10 19:50
20 PPB ICV	I44010Q.D	9/27/10 21:15
20 PPB ICV2	I44011Q.D	9/27/10 21:44

Refer to the BFB report I44000T.D for ion ratio evaluation.

VOA FORM 5

Data File : C:\HPCHEM\1\DATA\092710-I\I44000T.D Vial: 7
Acq On : 27 Sep 2010 4:31 pm Operator: MT
Sample : BFB 50NG Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil



AutoFind: Scans 1334, 1335, 1336; Background Corrected with Scan 1327

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.6	5310	PASS
75	95	30	60	45.6	10699	PASS
95	95	100	100	100.0	23461	PASS
96	95	5	9	6.3	1477	PASS ✓
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.9	16406	PASS
175	174	5	9	7.2	1182	PASS
176	174	95	101	96.6	15844	PASS
177	176	5	9	6.8	1071	PASS

9/29/10

I44000T.D VS09270I.M Tue Sep 28 13:20:11 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): Y

SDG: 67835
BFB File ID: I44013T.D
BFB Injection Date: 09/28/10
BFB Injection Time: 7:51

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
20 PPB	I44015SC.D	9/28/10 8:52
LL09280I	I44016Q.D	9/28/10 9:28
LL09280I2	I44017Q.D	9/28/10 9:55
LB09280I	I44020B.D	9/28/10 11:23
67835-1	I44024.D	9/28/10 13:19
67835-6	I44025.D	9/28/10 13:47
67835-5	I44026.D	9/28/10 14:16
67835-3	I44027.D	9/28/10 14:44
67835-4	I44028.D	9/28/10 15:12
67835-2	I44034.D	9/28/10 18:01
67835-6,MS	I44035SP.D	9/28/10 18:29
67835-6,MSD	I44036SP.D	9/28/10 18:57

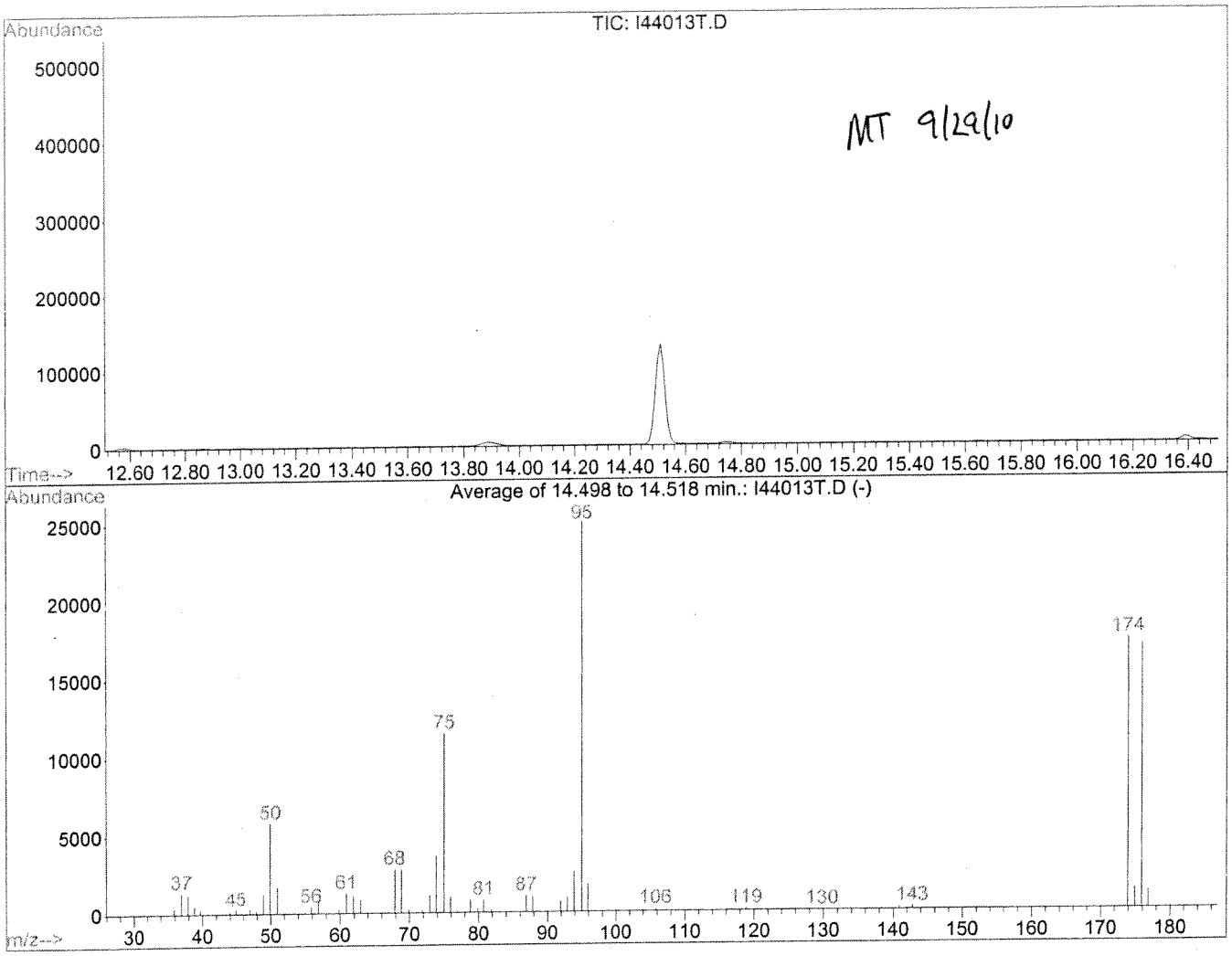
Refer to the BFB report I44013T.D for ion ratio evaluation.

VOA FORM 5

BFB

Data File : C:\HPCHEM\1\DATA\092810-I\I44013T.D
Acq On : 28 Sep 2010 7:51 am
Sample : BFB 50NG
Misc : 5000
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil

Vial: 2
Operator: MT
Inst : Instrumen
Multiplr: 1.00



AutoFind: Scans 1333, 1334, 1335; Background Corrected with Scan 1326

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	5814	PASS
75	95	30	60	45.9	11497	PASS
95	95	100	100	100.0	25064	PASS
96	95	5	9	7.0	1752	PASS ✓
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.2	17339	PASS
175	174	5	9	7.4	1288	PASS
176	174	95	101	97.8	16958	PASS
177	176	5	9	6.7	1142	PASS

J92910

I44013T.D VS09270I.M Tue Sep 28 14:02:23 2010

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

Calibration Files
1 =I44002SI.D 2 =I44003SI.D 5 =I44004SI.D
20 =I44005SI.D 50 =I44006SI.D 100 =I44007SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	TM	Dichlorodifluoromet	0.704	0.724	0.691	0.669	0.719	0.701	0.701	2.88
3)	TMP	Chloromethane		0.721	0.596	0.560	0.578	0.576	0.606✓	10.82
4)	TMC	Vinyl Chloride	0.514	0.578	0.544	0.507	0.527	0.525	0.532	4.80#✓
5)	TM	Bromomethane	0.507	0.444	0.403	0.370	0.363		0.417	14.23
6)	TM	Chloroethane	0.275	0.326	0.298	0.288	0.297	0.286	0.295	5.83
7)	TM	t-Butyl alcohol (TB	0.089	0.077	0.086	0.099	0.091	0.095	0.090#	8.49
8)	TM	Trichlorofluorometh	1.073	1.149	1.044	1.015	1.058	1.012	1.059	4.76
9)	TM	Diethyl ether	0.257	0.250	0.253	0.261	0.269	0.261	0.258	2.58
10)	TM	1,1,2-Trichlorotrif	0.518	0.579	0.561	0.555	0.589	0.584	0.564	4.66
11)	T	Acrolein							0.000#	-1.00
12)	TM	Acetone		0.250	0.238	0.241	0.221	0.218	0.234	5.78
13)	TMC	1,1-Dichloroethene	0.460	0.477	0.486	0.462	0.497	0.487	0.478	3.08#✓
14)	TM	Methyl iodide	0.673	0.628	0.667	0.716	0.855	0.879	0.736	14.33
15)	TM	Di-isopropyl ether	1.989	1.861	1.878	1.902	1.974	1.944	1.925	2.72
16)	TM	Methylene Chloride	3.921	2.283	1.331	0.735	0.648	0.603	1.587	~~82.53L~~✓
17)	TM	Carbon Disulfide	1.577	1.592	1.556	1.516	1.625	1.569	1.572	2.32
18)	T	Acrylonitrile	0.229	0.207	0.204	0.236	0.217	0.218	0.218	5.63
19)	TM	Methyl-tert-butyl e	1.591	1.544	1.533	1.590	1.625	1.621	1.584	2.42
20)	TM	trans-1,2-Dichloroe	0.593	0.579	0.574	0.547	0.595	0.571	0.577	3.03
21)	TMP	1,1-Dichloroethane	1.061	1.119	1.072	1.047	1.103	1.084	1.081✓	2.46
22)	TM	Vinyl acetate		0.068	0.078	0.088	0.091	0.093	0.084#	12.75
23)	TM	Methyl ethyl ketone	0.061	0.061	0.062	0.071	0.065	0.066	0.064#	6.06
24)	TM	Ethyl t-butyl ether	1.934	1.909	1.936	1.970	2.035	2.033	1.969	2.73
25)	TM	2,2-Dichloropropane	0.854	0.877	0.845	0.835	0.898	0.891	0.866	2.97
26)	TM	cis-1,2-Dichloroeth	0.588	0.665	0.634	0.615	0.649	0.641	0.632	4.28
27)	TM	t-Amyl methyl ether	1.557	1.493	1.450	1.530	1.578	1.557	1.528	3.13
28)	S	DB HOLDER #28	0.865	0.839	0.836	0.867	0.848	0.875	0.855	1.90
29)	TMC	Chloroform	1.097	1.081	1.064	1.052	1.131	1.105	1.088	2.65#✓
30)	TM	Bromochloromethane	0.286	0.309	0.294	0.324	0.332	0.327	0.312	6.07
31)	TM	Tetrahydrofuran	0.062	0.065	0.076	0.074	0.075	0.071	0.071#	7.75
32)	TM	1,1,1-Trichloroetha	0.870	0.910	0.877	0.879	0.947	0.930	0.902	3.52
33)	T	NO COMPOUND							0.000#	-1.00
34)	TM	1,1-Dichloropropene	0.798	0.763	0.750	0.737	0.801	0.779	0.771	3.36
35)	TM	Carbon Tetrachlorid	0.669	0.737	0.712	0.704	0.770	0.769	0.727	5.45
36)	S	d4-1,2-Dichloroetha	0.865	0.839	0.836	0.867	0.848	0.875	0.855	1.90
37)	TM	1,2-Dichloroethane	1.025	0.982	0.960	1.004	1.043	1.018	1.005	2.99
38)	TM	Benzene	1.980	1.978	1.891	1.857	1.926	1.856	1.915	2.93
39)	I	1,4-Difluorobenzene	----------ISTD----------							
40)	TM	Trichloroethene	0.335	0.335	0.326	0.322	0.335	0.322	0.329	1.98
41)	TMC	1,2-Dichloropropane	0.321	0.307	0.286	0.289	0.307	0.292	0.300	4.49#✓
42)	TM	Methylmethacrylate	0.187	0.198	0.195	0.213	0.216	0.213	0.204	5.94
43)	TM	Methyl acetate	0.344	0.336	0.297	0.300	0.283	0.282	0.307	8.74

9/29/10

(#) = Out of Range

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

Calibration Files
1 =I44002SI.D 2 =I44003SI.D 5 =I44004SI.D
20 =I44005SI.D 50 =I44006SI.D 100 =I44007SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
44)	TM	Cyclohexane	0.467	0.485	0.461	0.455	0.484	0.461	0.469	2.74
45)	TM	Bromodichloromethan	0.446	0.451	0.441	0.448	0.474	0.455	0.452	2.52
46)	TM	Dibromomethane	0.250	0.266	0.267	0.268	0.278	0.268	0.266	3.44
47)	TM	1,4-Dioxane	0.004	0.004	0.004	0.005	0.004	0.004	0.004#	5.87
48)	TM	Methylcyclohexane	0.408	0.453	0.432	0.429	0.464	0.445	0.439	4.47
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl							0.000#	-1.00
51)	TM	2-Hexanone	0.127	0.128	0.133	0.145	0.137	0.134	0.134	5.05
52)	TM	Methyl isobutyl ket	0.131	0.133	0.134	0.145	0.138	0.132	0.136	3.92
53)	TM	cis-1,3-Dichloropro	0.458	0.489	0.463	0.465	0.501	0.483	0.477	3.59
54)	S	d8-Toluene	1.088	1.077	1.077	1.083	1.048	1.077	1.075	1.28
55)	TMC	Toluene	0.691	0.686	0.646	0.635	0.670	0.639	0.661	3.71#✓
56)	TM	trans-1,3-Dichlorop	0.432	0.467	0.457	0.470	0.496	0.485	0.468	4.77
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.217	0.225	0.232	0.233	0.232	0.222	0.227	2.87
59)	TM	1,3-Dichloropropane	0.422	0.440	0.431	0.440	0.447	0.435	0.436	2.05
60)	TM	Tetrachloroethene	0.278	0.292	0.279	0.278	0.296	0.290	0.285	2.83
61)	TM	Dibromochloromethan	0.313	0.331	0.327	0.346	0.362	0.359	0.340	5.68
62)	TM	1,2-Dibromoethane	0.335	0.330	0.335	0.348	0.353	0.346	0.341	2.75
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	0.925	0.913	0.917	0.884	0.951	0.904	0.916✓	2.42
65)	TM	1,1,1,2-Tetrachloro	0.325	0.315	0.312	0.309	0.336	0.320	0.320	3.07
66)	TMC	Ethylbenzene	1.449	1.516	1.433	1.421	1.546	1.425	1.465	3.61#✓
67)	TM	m,p-Xylene	0.563	0.571	0.543	0.524	0.571	0.528	0.550	3.87
68)	TM	o-Xylene	0.530	0.539	0.532	0.529	0.562	0.533	0.538	2.32
69)	TM	Styrene	0.914	0.941	0.935	0.927	1.004	0.948	0.945	3.30
70)	TMP	Bromoform	0.221	0.223	0.225	0.244	0.263	0.257	0.239✓	7.66
71)	TM	Isopropylbenzene	1.333	1.435	1.373	1.346	1.486	1.401	1.396	4.12
72)	TMP	1,1,2,2-Tetrachloro	0.429	0.416	0.423	0.434	0.434	0.424	0.427✓	1.64
73)	S	Bromofluorobenzene	0.512	0.509	0.511	0.506	0.512	0.514	0.511	0.58
74)	TM	1,2,3-Trichloroprop	0.336	0.336	0.319	0.331	0.334	0.321	0.329	2.25
75)	TM	trans-1,4-Dichloro-	0.055	0.059	0.068	0.076	0.078	0.077	0.069#	14.35
76)	TM	n-Propylbenzene	1.772	1.760	1.716	1.671	1.780	1.613	1.719	3.83
77)	TM	Bromobenzene	0.357	0.341	0.334	0.333	0.356	0.332	0.342	3.35
78)	TM	1,3,5-Trimethylbenz	1.122	1.184	1.134	1.103	1.213	1.140	1.149	3.59
79)	TM	2-Chlorotoluene	1.192	1.185	1.147	1.093	1.195	1.101	1.152	4.01
80)	TM	4-Chlorotoluene	1.051	1.119	1.028	1.039	1.112	1.057	1.067	3.59
81)	TM	tert-butylbenzene	0.907	0.981	0.877	0.963	1.070	0.996	0.966	7.08
82)	TM	1,2,4-Trimethylbenz	1.205	1.227	1.217	1.175	1.277	1.195	1.216	2.86
83)	T	Pentachloroethane	0.170	0.180	0.184	0.180	0.202	0.189	0.184	5.87
84)	TM	sec-butylbenzene	1.459	1.483	1.460	1.433	1.621	1.512	1.495	4.51
85)	TM	p-isopropyltoluene	1.137	1.158	1.131	1.141	1.281	1.211	1.176	5.00
86)	TM	1,3-Dichlorobenzene	0.601	0.611	0.584	0.583	0.624	0.595	0.600	2.67
87)	I	1,4-Dichlorobenzene-d	----------ISTD----------							

9/29/10

(#) = Out of Range

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10

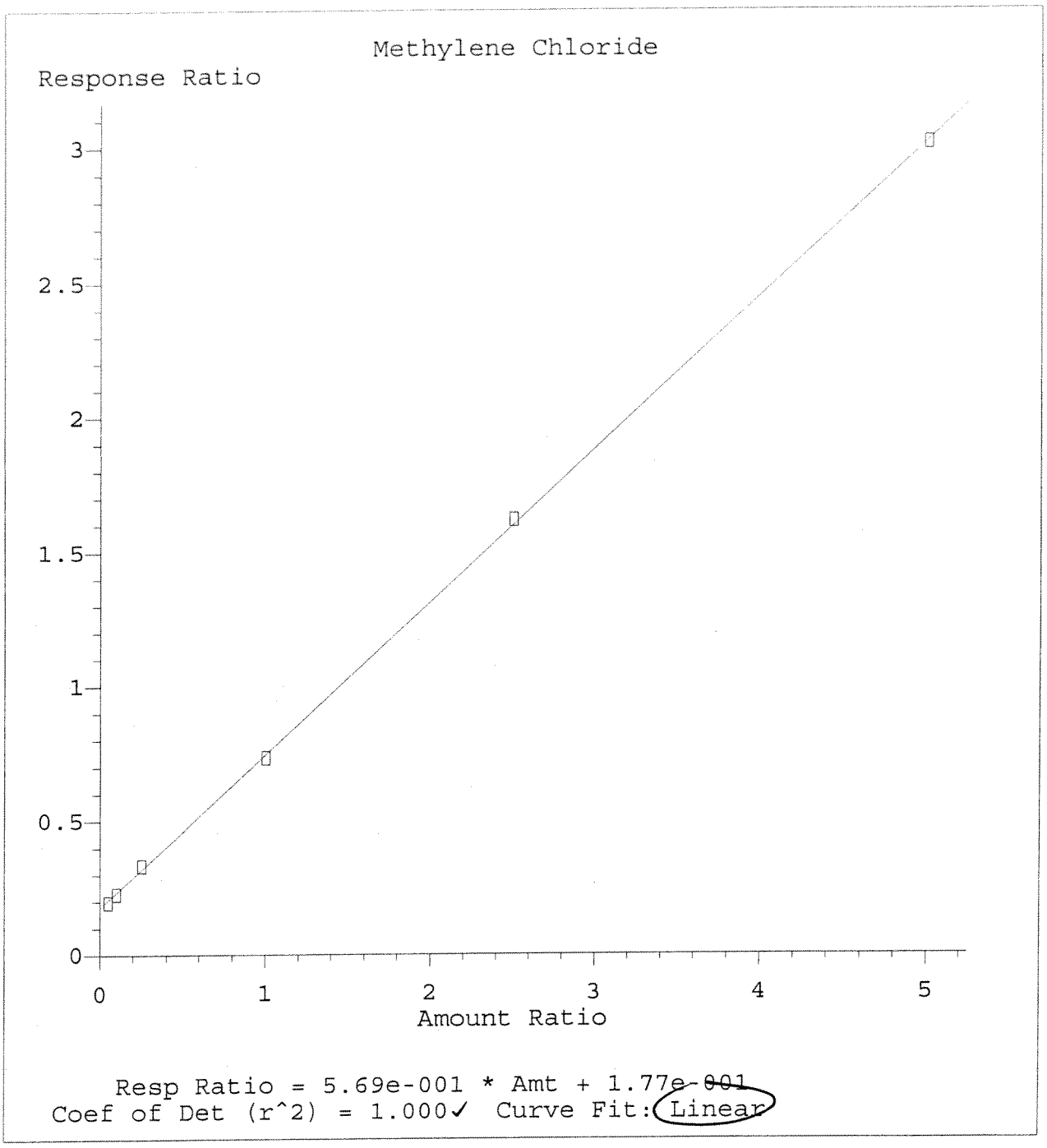
Calibration Files
1 =I44002SI.D 2 =I44003SI.D 5 =I44004SI.D
20 =I44005SI.D 50 =I44006SI.D 100 =I44007SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
88)	TM	1,4-Dichlorobenzene	1.425	1.509	1.405	1.338	1.450	1.404	1.422	3.99
89)	TM	n-butylbenzene	2.734	2.765	2.612	2.697	2.926	2.781	2.752	3.78
90)	TM	1,2-Dichlorobenzene	1.340	1.281	1.275	1.280	1.336	1.297	1.301	2.24
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.150	0.185	0.195	0.203	0.203	0.206	0.190	11.14
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	0.952	0.929	0.863	0.889	0.952	0.904	0.915	3.92
95)	TM	Hexachlorobutadiene	0.355	0.405	0.351	0.379	0.419	0.394	0.384	7.09
96)	TM	Naphthalene	1.115	1.270	1.310	1.621	1.811	1.934	1.510	~~21.68~~ 20.4
97)	TM	1,2,3-Trichlorobenz	0.780	0.846	0.759	0.803	0.850	0.823	0.810	4.49
98)	TM	1,3,5-Trichlorobenz	1.004	1.016	0.993	0.977	1.047	0.974	1.002	2.71

9/29/10

(#) = Out of Range

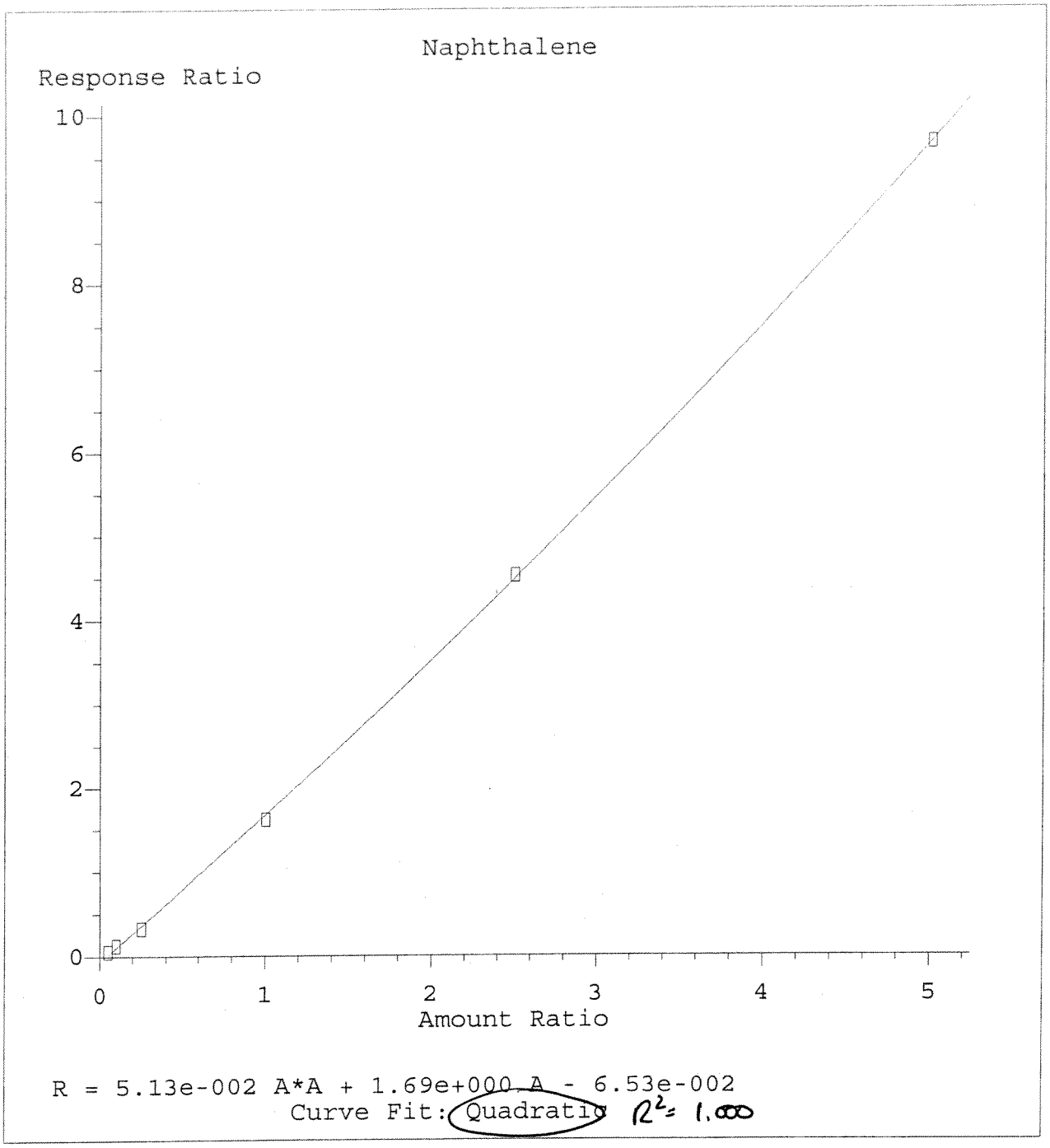
MT 9/29/10



Method Name: C:\HPCHEM\1\METHODS\VS09270I.M
Calibration Table Last Updated: Tue Sep 28 11:31:07 2010

J92910

MT 9/29/10



Method Name: C:\HPCHEM\1\METHODS\VS09270I.M
Calibration Table Last Updated: Tue Sep 28 11:31:07 2010

J92910

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\092710-I\I44002SI.D
Acq On : 27 Sep 2010 5:29 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 7:18 2010

Vial: 9
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	113651	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	209896	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.57	117	178137 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	77361	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	7.30	65	98320	16.95 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.75%		
36) d4-1,2-Dichloroethane	7.30	65	98320	16.95 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.75%		
54) d8-Toluene	10.23	98	228305	16.44 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 82.20%		
73) Bromofluorobenzene	14.50	95	91157	17.61 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.05%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.47	85	4000	0.52 ug/L	95
3) Chloromethane	1.67	50	4519	1.39 ug/L	95
4) Vinyl Chloride	1.77	62	2919	0.52 ug/L	96
5) Bromomethane	2.16	94	2879	2.40 ug/L #	74
6) Chloroethane	2.23	64	1566 m	0.46 ug/L	
7) t-Butyl alcohol (TBA)	3.30	59	2524	8.99 ug/L #	80
8) Trichlorofluoromethane	2.48	101	6097	0.67 ug/L	91
9) Diethyl ether	2.80	74	1463	Below Cal #	30
10) 1,1,2-Trichlorotrifluoroet	2.97	101	2944	0.54 ug/L #	94
12) Acetone	3.04	43	9166	Below Cal	100
13) 1,1-Dichloroethene	3.17	96	2614	0.54 ug/L	97
14) Methyl iodide	3.55	142	3823	2.61 ug/L #	98
15) Di-isopropyl ether (DIPE)	4.85	45	11303	0.56 ug/L	100
16) Methylene Chloride	3.84	84	22284	Below Cal	96
17) Carbon Disulfide	3.81	76	8961	0.52 ug/L	100
18) Acrylonitrile	4.05	53	1300	0.70 ug/L	89
19) Methyl-tert-butyl ether (M	4.07	73	9041	0.63 ug/L	100
20) trans-1,2-Dichloroethene	4.28	96	3372	0.62 ug/L #	83
21) 1,1-Dichloroethane	4.97	63	6032	0.56 ug/L	92
22) Vinyl acetate	5.01	86	70	1.36 ug/L #	1
23) Methyl ethyl ketone	5.68	72	1724	3.20 ug/L	89
24) Ethyl t-butyl ether (ETBE)	5.51	59	10989	0.57 ug/L	100
25) 2,2-Dichloropropane	5.87	77	4851	0.59 ug/L	99
26) cis-1,2-Dichloroethene	5.94	96	3343	0.53 ug/L	91
27) t-Amyl methyl ether (TAME)	7.27	73	8845	0.59 ug/L	98
29) Chloroform	6.19	83	6236	0.56 ug/L	78
30) Bromochloromethane	6.43	128	1624	0.51 ug/L	92

(#) = qualifier out of range (m) = manual integration

5/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44002SI.D Vial: 9
Acq On : 27 Sep 2010 5:29 pm Operator: MT
Sample : 1 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:18 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.48	71	354	1.01 ug/L #	57
32)	1,1,1-Trichloroethane	6.78	97	4944	0.56 ug/L	93
34)	1,1-Dichloropropene	7.03	75	4536	0.59 ug/L	89
35)	Carbon Tetrachloride	7.17	119	3803	0.56 ug/L	96
37)	1,2-Dichloroethane	7.44	62	5822	0.61 ug/L	98
38)	Benzene	7.43	78	11250	0.57 ug/L	89
40)	Trichloroethene	8.39	95	3517	0.70 ug/L	89
41)	1,2-Dichloropropane	8.68	63	3366	0.71 ug/L	86
42)	Methylmethacrylate	8.83	69	1960	0.70 ug/L	86
43)	Methyl acetate	3.63	43	3615	0.90 ug/L #	87
44)	Cyclohexane	6.77	56	4903	0.70 ug/L	98
45)	Bromodichloromethane	9.02	83	4678	0.68 ug/L	94
46)	Dibromomethane	9.09	93	2620	0.69 ug/L	89
47)	1,4-Dioxane	9.09	88	1048	42.67 ug/L	96
48)	Methylcyclohexane	8.46	83	4286	0.67 ug/L	97
51)	2-Hexanone	10.96	58	6661	3.72 ug/L	97
52)	Methyl isobutyl ketone	9.61	58	6880	3.81 ug/L #	72
53)	cis-1,3-Dichloropropene	9.89	75	4804	0.65 ug/L	97
55)	Toluene	10.35	92	7252	0.70 ug/L	94
56)	trans-1,3-Dichloropropene	10.69	75	4533	0.63 ug/L	98
58)	1,1,2-Trichloroethane	10.89	83	2274	0.66 ug/L #	74
59)	1,3-Dichloropropane	11.30	76	4425	0.68 ug/L	88
60)	Tetrachloroethene	11.35	166	2922	0.61 ug/L	93
61)	Dibromochloromethane	11.65	129	3288	0.66 ug/L	98
62)	1,2-Dibromoethane	11.96	107	3515	0.72 ug/L	98
64)	Chlorobenzene	12.62	112	8241	0.98 ug/L	98
65)	1,1,1,2-Tetrachloroethane	12.71	131	2893	1.01 ug/L	91
66)	Ethylbenzene	12.72	91	12904	0.91 ug/L	99
67)	m,p-Xylene	12.85	106	10025	1.94 ug/L	91
68)	o-Xylene	13.52	106	4720	0.92 ug/L #	86
69)	Styrene	13.59	104	8139	0.91 ug/L	95
70)	Bromoform	14.08	173	1972	1.00 ug/L	94
71)	Isopropylbenzene	14.11	105	11875	0.89 ug/L	100
72)	1,1,2,2-Tetrachloroethane	14.40	83	3820	1.08 ug/L	98
74)	1,2,3-Trichloropropane	14.63	75	2989	1.11 ug/L	92
75)	trans-1,4-Dichloro-2-buten	14.77	88	489	1.00 ug/L	83
76)	n-Propylbenzene	14.75	91	15781	0.93 ug/L	94
77)	Bromobenzene	14.77	156	3177	1.00 ug/L #	85
78)	1,3,5-Trimethylbenzene	15.01	105	9991	0.88 ug/L	93
79)	2-Chlorotoluene	15.00	91	10621	0.94 ug/L	99
80)	4-Chlorotoluene	15.08	91	9357	0.89 ug/L	97
81)	tert-butylbenzene	15.57	119	8077	1.05 ug/L	99

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44002SI.D
Acq On : 27 Sep 2010 5:29 pm
Sample : 1 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 7:18 2010

Vial: 9
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82) 1,2,4-Trimethylbenzene	15.63	105	10733	0.90 ug/L	97
83) Pentachloroethane	15.64	167	1513	1.35 ug/L	95
84) sec-butylbenzene	15.92	105	12995	0.88 ug/L	95
85) p-isopropyltoluene	16.15	119	10123	0.89 ug/L	95
86) 1,3-Dichlorobenzene	16.25	146	5353	0.94 ug/L	93
88) 1,4-Dichlorobenzene	16.43	146	5513	1.05 ug/L	93
89) n-butylbenzene	16.81	91	10574	0.96 ug/L	99
90) 1,2-Dichlorobenzene	17.01	146	5183	1.11 ug/L	92
92) 1,2-Dibromo-3-chloropropan	18.29	75	580	0.47 ug/L #	36
94) 1,2,4-Trichlorobenzene	19.72	180	3682	1.14 ug/L	97
95) Hexachlorobutadiene	19.98	225	1374	0.93 ug/L	86
96) Naphthalene	20.11	128	4314	0.90 ug/L	96
97) 1,2,3-Trichlorobenzene	20.54	180	3019	1.19 ug/L	97
98) 1,3,5-Trichlorobenzene	18.68	180	3882	1.04 ug/L	89

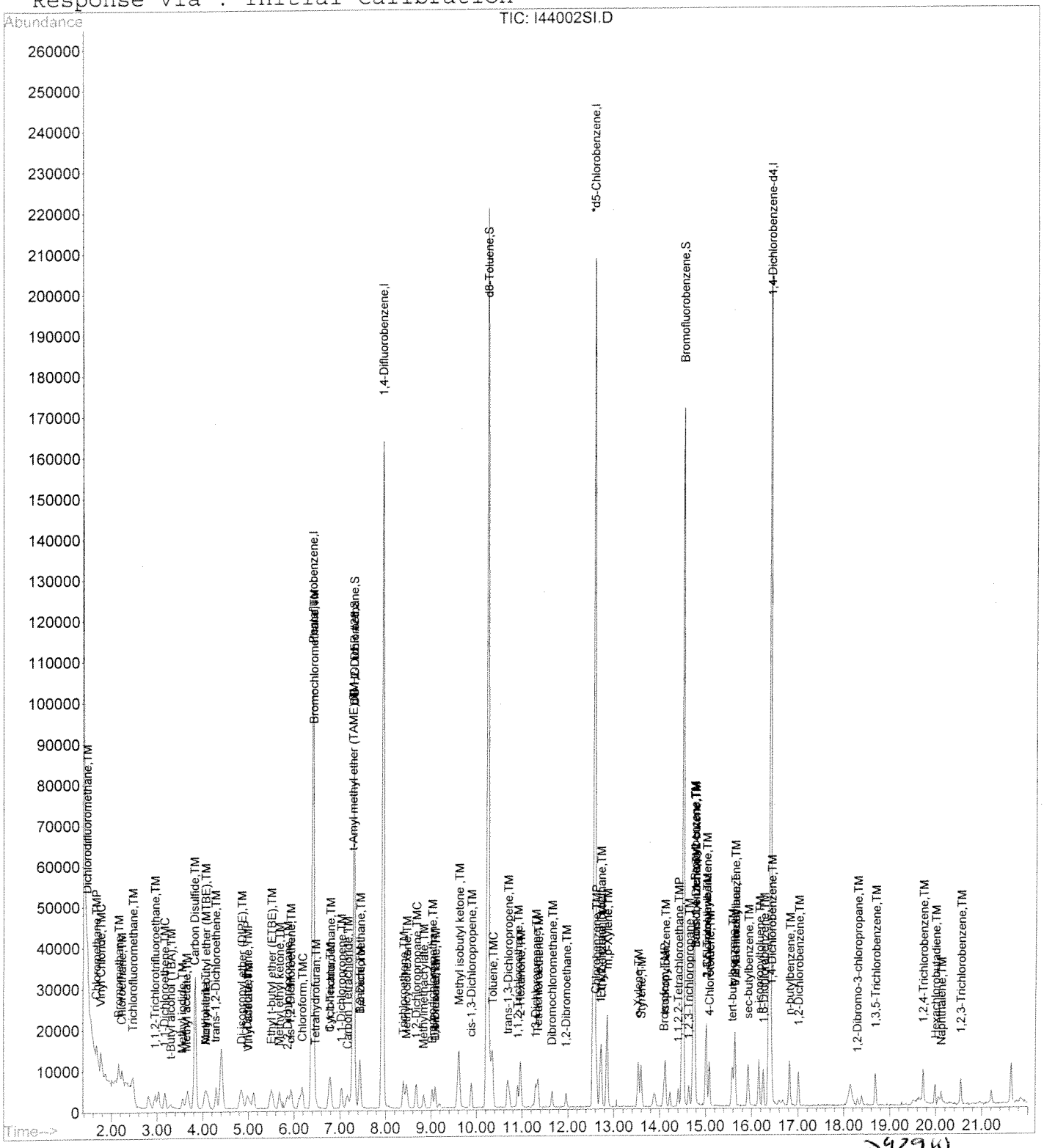
JG 2910

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092710-I\I44002SI.D Vial: 9
Acq On : 27 Sep 2010 5:29 pm Operator: MT
Sample : 1 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:18 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/28/10



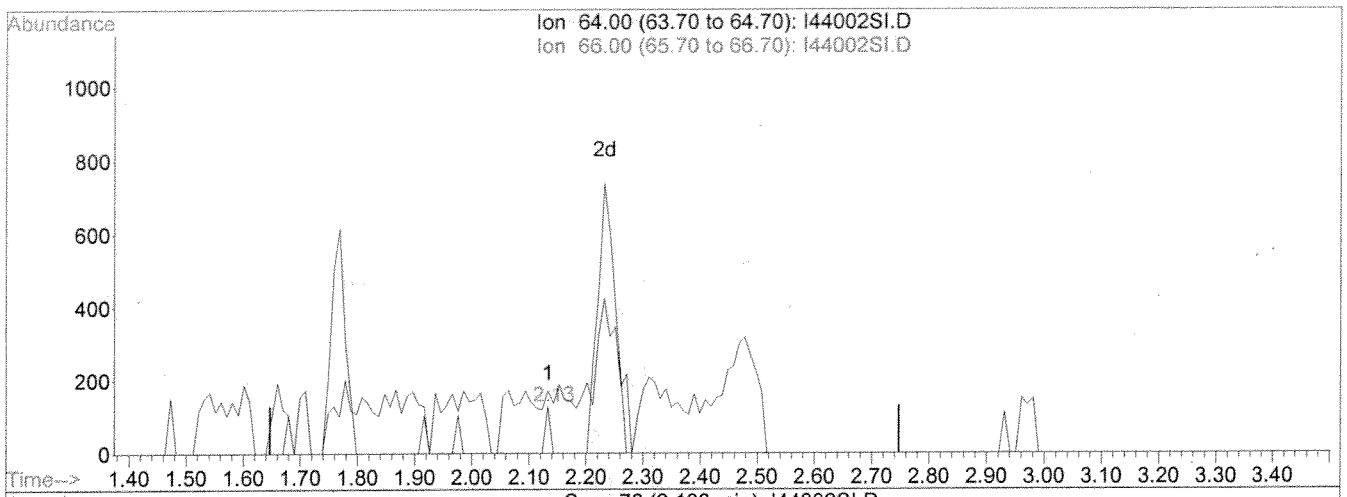
9/29/10

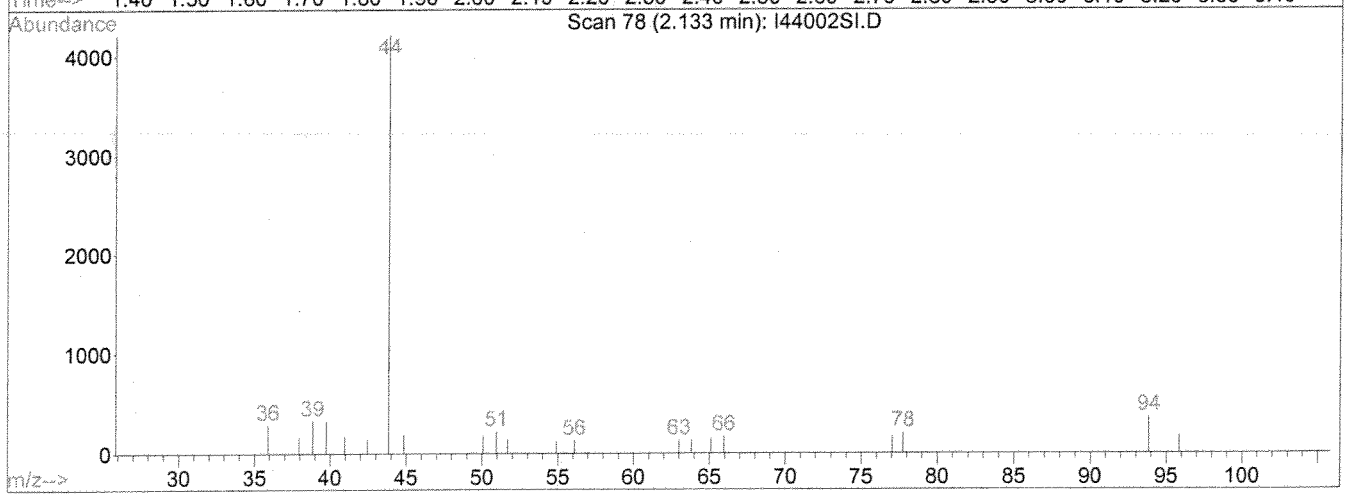
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\092710-I\I44002SI.D Vial: 9
Acq On : 27 Sep 2010 5:29 pm Operator: MT
Sample : 1 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Multiple Level Calibration

MT 9/29/10
M.P.





TIC: I44002SI.D

(6) Chloroethane (TM)

2.13min 0.02ug/L

response 76

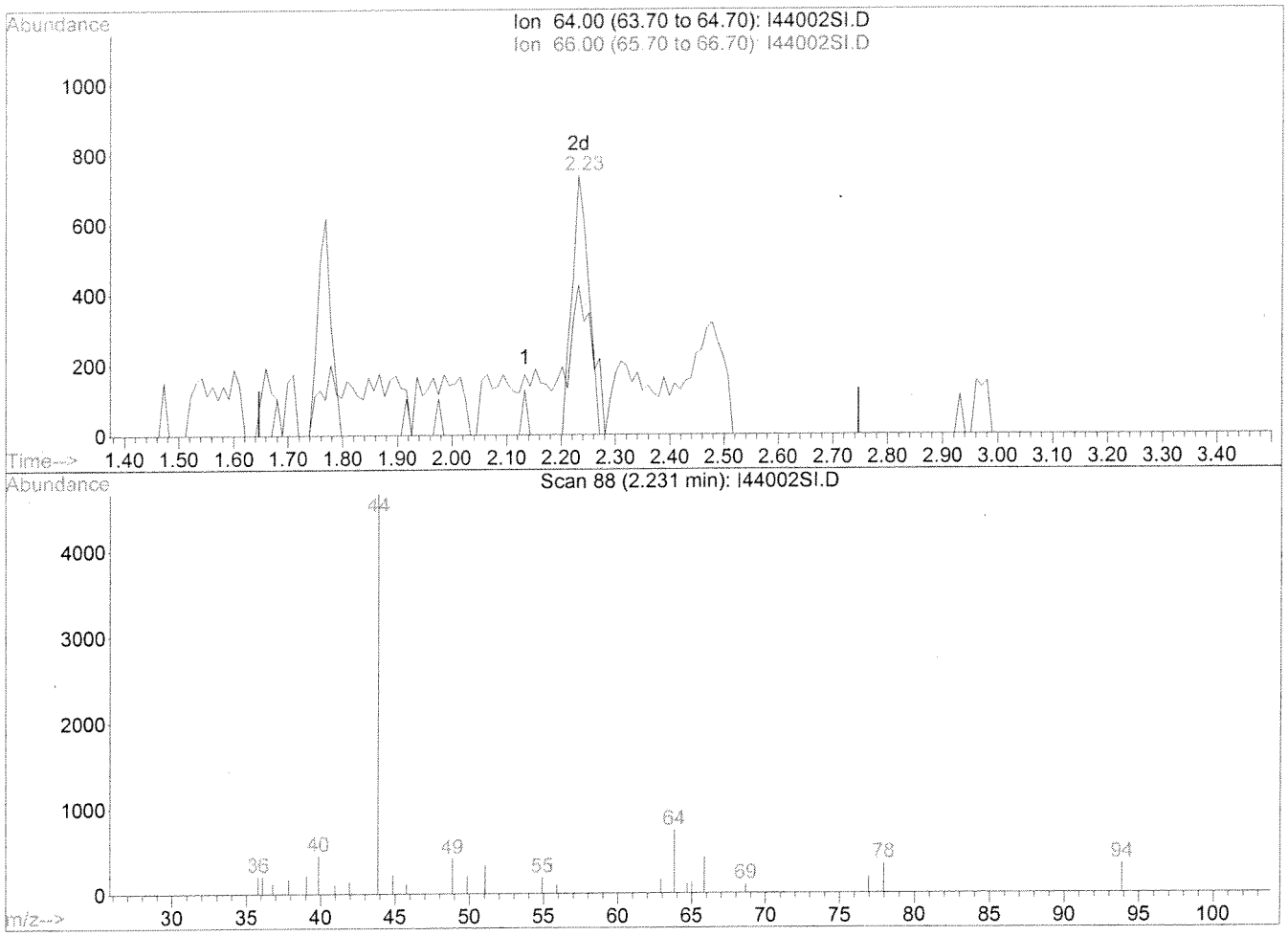
Ion	Exp%	Act%
64.00	100	100
66.00	27.00	38.28
0.00	0.00	0.00
0.00	0.00	0.00

092910

Data File : C:\HPCHEM\1\DATA\092710-I\I44002SI.D Vial: 9
Acq On : 27 Sep 2010 5:29 pm Operator: MT
Sample : 1 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Multiple Level Calibration

MT 9/29/10



TIC: I44002SI.D

(6) Chloroethane (TM)

2.23min 0.46ug/L m

response 1565

Ion	Exp%	Act%
64.00	100	100
66.00	27.00	57.59#
0.00	0.00	0.00
0.00	0.00	0.00

9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44003SI.D
Acq On : 27 Sep 2010 5:58 pm
Sample : 2 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010

Vial: 10
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	117322	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	213441	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	183482 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.37	152	78893	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB HOLDER #28	7.29	65	98375	16.43 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 82.15%		
36) d4-1,2-Dichloroethane	7.29	65	98375	16.43 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 82.15%		
54) d8-Toluene	10.22	98	229804	16.28 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 81.40%		
73) Bromofluorobenzene	14.49	95	93372	17.51 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.55%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	8498	1.07 ug/L	97
3) Chloromethane	1.67	50	8460	1.88 ug/L	93
4) Vinyl Chloride	1.77	62	6776	1.16 ug/L	94
5) Bromomethane	2.16	94	5204	2.90 ug/L	89
6) Chloroethane	2.23	64	3825	1.09 ug/L	95
7) t-Butyl alcohol (TBA)	3.30	59	4542	11.49 ug/L #	91
8) Trichlorofluoromethane	2.48	101	13485	1.43 ug/L	95
9) Diethyl ether	2.81	74	2933	Below Cal #	52
10) 1,1,2-Trichlorotrifluoroet	2.96	101	6797	1.21 ug/L	97
12) Acetone	3.03	43	14654	0.69 ug/L	97
13) 1,1-Dichloroethene	3.17	96	5601	1.13 ug/L #	87
14) Methyl iodide	3.56	142	7367	2.92 ug/L	99
15) Di-isopropyl ether (DIPE)	4.84	45	21833	1.05 ug/L	100
16) Methylene Chloride	3.84	84	26790	Below Cal	92
17) Carbon Disulfide	3.80	76	18683	1.06 ug/L	100
18) Acrylonitrile	4.04	53	2426	1.27 ug/L	93
19) Methyl-tert-butyl ether (M	4.09	73	18119	1.22 ug/L	97
20) trans-1,2-Dichloroethene	4.28	96	6788	1.21 ug/L	95
21) 1,1-Dichloroethane	4.96	63	13126	1.18 ug/L	99
22) Vinyl acetate	5.04	86	795	2.08 ug/L	75
23) Methyl ethyl ketone	5.68	72	3598	6.48 ug/L	92
24) Ethyl t-butyl ether (ETBE)	5.50	59	22392	1.13 ug/L	99
25) 2,2-Dichloropropane	5.86	77	10285	1.20 ug/L	100
26) cis-1,2-Dichloroethene	5.94	96	7804	1.21 ug/L #	87
27) t-Amyl methyl ether (TAME)	7.26	73	17516	1.14 ug/L	98
29) Chloroform	6.18	83	12682	1.11 ug/L	94
30) Bromochloromethane	6.42	128	3627	1.11 ug/L	91

(#) = qualifier out of range (m) = manual integration JS 9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44003SI.D
Acq On : 27 Sep 2010 5:58 pm
Sample : 2 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010

Vial: 10
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	6.48	71	767	1.64 ug/L #	71
32) 1,1,1-Trichloroethane	6.80	97	10681	1.17 ug/L	96
34) 1,1-Dichloropropene	7.03	75	8950	1.13 ug/L	98
35) Carbon Tetrachloride	7.16	119	8647	1.23 ug/L	96
37) 1,2-Dichloroethane	7.44	62	11517	1.17 ug/L	100
38) Benzene	7.43	78	23207	1.14 ug/L	96
40) Trichloroethene	8.38	95	7145	1.39 ug/L	99
41) 1,2-Dichloropropane	8.67	63	6553	1.36 ug/L	86
42) Methylmethacrylate	8.83	69	4235	1.48 ug/L	95
43) Methyl acetate	3.64	43	7163	1.75 ug/L	93
44) Cyclohexane	6.79	56	10352	1.45 ug/L	99
45) Bromodichloromethane	9.01	83	9617	1.37 ug/L	98
46) Dibromomethane	9.08	93	5681	1.47 ug/L	96
47) 1,4-Dioxane	9.08	88	2018	60.42 ug/L	95
48) Methylcyclohexane	8.46	83	9676	1.48 ug/L	98
51) 2-Hexanone	10.95	58	13643	7.49 ug/L	99
52) Methyl isobutyl ketone	9.61	58	14216	7.75 ug/L #	73
53) cis-1,3-Dichloropropene	9.88	75	10436	1.38 ug/L	99
55) Toluene	10.34	92	14650	1.40 ug/L	92
56) trans-1,3-Dichloropropene	10.68	75	9970	1.37 ug/L	93
58) 1,1,2-Trichloroethane	10.89	83	4811	1.37 ug/L	95
59) 1,3-Dichloropropane	11.29	76	9402	1.41 ug/L	88
60) Tetrachloroethene	11.34	166	6230	1.29 ug/L	98
61) Dibromochloromethane	11.65	129	7061	1.38 ug/L	92
62) 1,2-Dibromoethane	11.96	107	7034	1.42 ug/L	96
64) Chlorobenzene	12.62	112	16756	1.93 ug/L	98
65) 1,1,1,2-Tetrachloroethane	12.71	131	5779	1.97 ug/L	95
66) Ethylbenzene	12.73	91	27819	1.91 ug/L	100
67) m,p-Xylene	12.85	106	20966	3.93 ug/L	86
68) o-Xylene	13.53	106	9893	1.88 ug/L #	82
69) Styrene	13.58	104	17271	1.87 ug/L	91
70) Bromoform	14.08	173	4092	2.02 ug/L	96
71) Isopropylbenzene	14.12	105	26332	1.91 ug/L	97
72) 1,1,2,2-Tetrachloroethane	14.40	83	7636	2.09 ug/L	90
74) 1,2,3-Trichloropropane	14.63	75	6170	2.23 ug/L #	89
75) trans-1,4-Dichloro-2-buten	14.77	88	1088	2.16 ug/L	96
76) n-Propylbenzene	14.76	91	32288	1.84 ug/L	98
77) Bromobenzene	14.77	156	6260	1.90 ug/L	96
78) 1,3,5-Trimethylbenzene	15.01	105	21726	1.86 ug/L	100
79) 2-Chlorotoluene	15.00	91	21734	1.86 ug/L	99
80) 4-Chlorotoluene	15.08	91	20523	1.89 ug/L	99
81) tert-butylbenzene	15.57	119	17993	2.05 ug/L	96

(#) = qualifier out of range (m) = manual integration

DS 9/29/10

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\092710-I\I44003SI.D Vial: 10
Acq On : 27 Sep 2010 5:58 pm Operator: MT
Sample : 2 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.62	105	22507	1.83 ug/L	99
83)	Pentachloroethane	15.63	167	3295	2.49 ug/L	98
84)	sec-butylbenzene	15.92	105	27209	1.80 ug/L	95
85)	p-isopropyltoluene	16.16	119	21249	1.82 ug/L	97
86)	1,3-Dichlorobenzene	16.24	146	11218	1.91 ug/L	98
88)	1,4-Dichlorobenzene	16.43	146	11906	2.23 ug/L	92
89)	n-butylbenzene	16.82	91	21813	1.95 ug/L	96
90)	1,2-Dichlorobenzene	17.00	146	10108	2.13 ug/L	98
92)	1,2-Dibromo-3-chloropropan	18.30	75	1459	2.07 ug/L	93
94)	1,2,4-Trichlorobenzene	19.72	180	7330	2.23 ug/L	95
95)	Hexachlorobutadiene	19.98	225	3195	2.13 ug/L	94
96)	Naphthalene	20.12	128	10022	3.31 ug/L	98
97)	1,2,3-Trichlorobenzene	20.54	180	6675	2.57 ug/L	97
98)	1,3,5-Trichlorobenzene	18.68	180	8017	2.11 ug/L	94

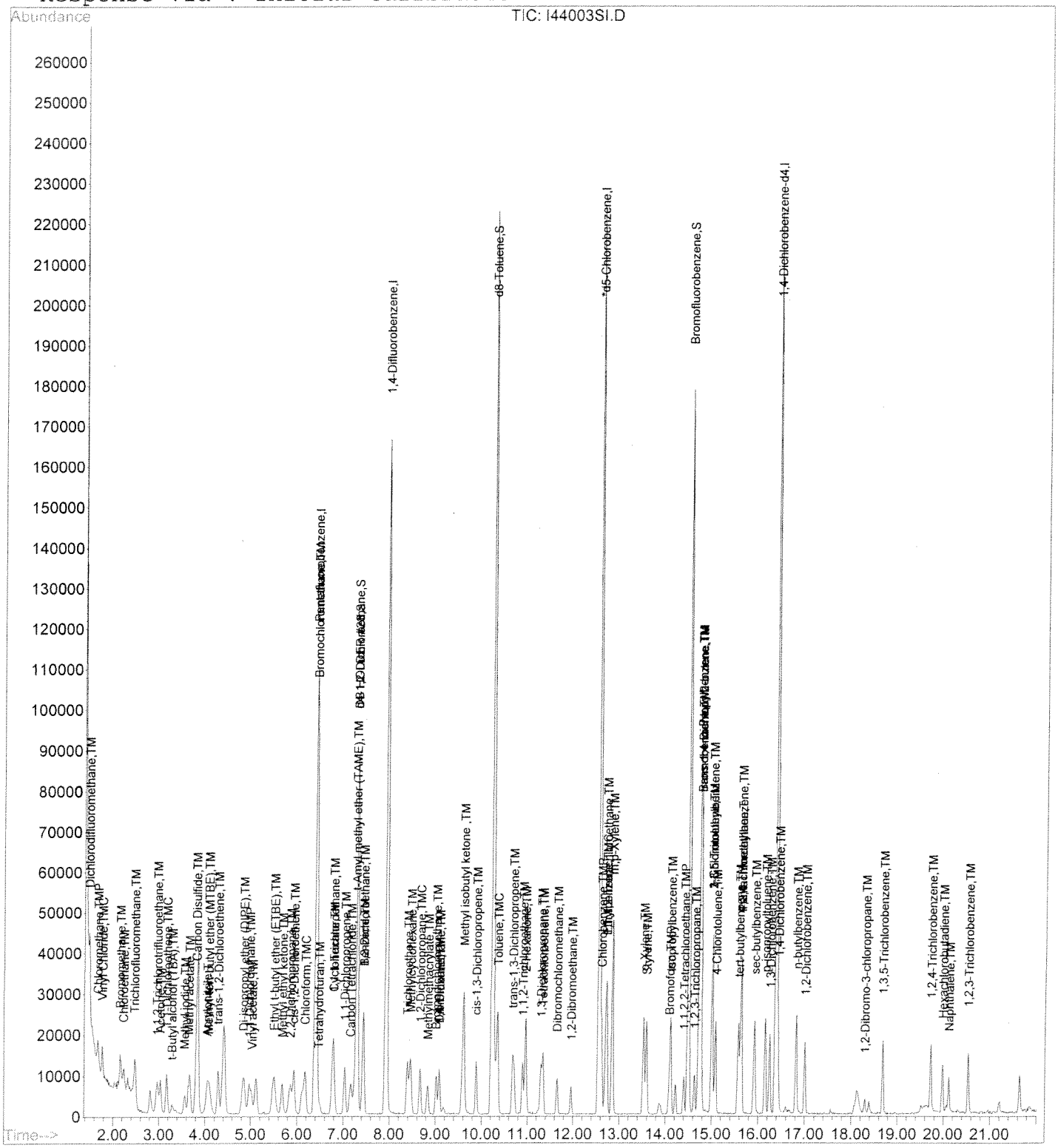
J 9/29/10

(#) = qualifier out of range (m) = manual integration
I44003SI.D VS09270I.M Tue Sep 28 13:54:22 2010 Page 3

Data File : C:\HPCHEM\1\DATA\092710-I\I44003SI.D Vial: 10
Acq On : 27 Sep 2010 5:58 pm Operator: MT
Sample : 2 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



S92910

Data File : C:\HPCHEM\1\DATA\092710-I\I44004SI.D Vial: 11
Acq On : 27 Sep 2010 6:26 pm Operator: MT
Sample : 5 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	112601	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.92	114	208170	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	178504 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	77316	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB HOLDER #28	7.29	65	94103	16.37 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 81.85%		
36) d4-1,2-Dichloroethane	7.29	65	94103	16.37 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 81.85%		
54) d8-Toluene	10.23	98	224226	16.28 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 81.40%		
73) Bromofluorobenzene	14.49	95	91284	17.60 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.00%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	19439	2.54 ug/L	98
3) Chloromethane	1.67	50	16790	3.06 ug/L	98
4) Vinyl Chloride	1.76	62	15326	2.74 ug/L	94
5) Bromomethane	2.16	94	11331	4.38 ug/L	93
6) Chloroethane	2.23	64	8383	2.49 ug/L	98
7) t-Butyl alcohol (TBA)	3.29	59	12120	21.94 ug/L	97
8) Trichlorofluoromethane	2.48	101	29376	3.24 ug/L	98
9) Diethyl ether	2.80	74	7115	0.83 ug/L #	85
10) 1,1,2-Trichlorotrifluoroet	2.96	101	15796	2.94 ug/L	99
12) Acetone	3.02	43	33434	11.00 ug/L	99
13) 1,1-Dichloroethene	3.16	96	13681	2.87 ug/L	88
14) Methyl iodide	3.55	142	18765	4.03 ug/L	100
15) Di-isopropyl ether (DIPE)	4.83	45	52876	2.64 ug/L	99
16) Methylene Chloride	3.82	84	37464	0.57 ug/L	98
17) Carbon Disulfide	3.79	76	43798	2.58 ug/L	100
18) Acrylonitrile	4.05	53	5741	3.13 ug/L	94
19) Methyl-tert-butyl ether (M	4.07	73	43149	3.03 ug/L	100
20) trans-1,2-Dichloroethene	4.28	96	16154	3.00 ug/L	99
21) 1,1-Dichloroethane	4.96	63	30186	2.82 ug/L	95
22) Vinyl acetate	5.01	86	2188	3.56 ug/L	96
23) Methyl ethyl ketone	5.67	72	8764	16.44 ug/L	98
24) Ethyl t-butyl ether (ETBE)	5.49	59	54500	2.87 ug/L	100
25) 2,2-Dichloropropane	5.84	77	23779	2.90 ug/L	94
26) cis-1,2-Dichloroethene	5.92	96	17843	2.88 ug/L	92
27) t-Amyl methyl ether (TAME)	7.25	73	40829	2.76 ug/L	99
29) Chloroform	6.17	83	29950	2.72 ug/L	92
30) Bromochloromethane	6.41	128	8285	2.64 ug/L #	86

(#) = qualifier out of range (m) = manual integration 9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44004SI.D Vial: 11
Acq On : 27 Sep 2010 6:26 pm Operator: MT
Sample : 5 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.47	71	2127	3.90 ug/L	87
32)	1,1,1-Trichloroethane	6.78	97	24687	2.81 ug/L	96
34)	1,1-Dichloropropene	7.02	75	21122	2.78 ug/L	97
35)	Carbon Tetrachloride	7.15	119	20046	2.97 ug/L	94
37)	1,2-Dichloroethane	7.43	62	27037	2.86 ug/L	98
38)	Benzene	7.43	78	53221	2.72 ug/L	100
40)	Trichloroethene	8.38	95	16969	3.40 ug/L	98
41)	1,2-Dichloropropane	8.66	63	14908	3.17 ug/L	98
42)	Methylmethacrylate	8.83	69	10138	3.63 ug/L	93
43)	Methyl acetate	3.64	43	15434	3.86 ug/L	98
44)	Cyclohexane	6.78	56	23973	3.44 ug/L	98
45)	Bromodichloromethane	9.02	83	22972	3.36 ug/L	99
46)	Dibromomethane	9.08	93	13899	3.68 ug/L	92
47)	1,4-Dioxane	9.07	88	5405	126.10 ug/L	97
48)	Methylcyclohexane	8.45	83	22486	3.52 ug/L	100
51)	2-Hexanone	10.96	58	34608	19.48 ug/L	98
52)	Methyl isobutyl ketone	9.60	58	34822	19.46 ug/L	99
53)	cis-1,3-Dichloropropene	9.88	75	24113	3.27 ug/L	97
55)	Toluene	10.35	92	33599	3.29 ug/L	94
56)	trans-1,3-Dichloropropene	10.67	75	23796	3.36 ug/L	99
58)	1,1,2-Trichloroethane	10.89	83	12068	3.53 ug/L	92
59)	1,3-Dichloropropane	11.29	76	22428	3.46 ug/L	97
60)	Tetrachloroethene	11.34	166	14515	3.07 ug/L	97
61)	Dibromochloromethane	11.66	129	17005	3.42 ug/L	99
62)	1,2-Dibromoethane	11.95	107	17420	3.60 ug/L	94
64)	Chlorobenzene	12.61	112	40916	4.83 ug/L	95
65)	1,1,1,2-Tetrachloroethane	12.71	131	13941	4.87 ug/L	96
66)	Ethylbenzene	12.73	91	63952	4.51 ug/L	99
67)	m,p-Xylene	12.85	106	48458	9.35 ug/L	93
68)	o-Xylene	13.52	106	23742	4.64 ug/L	91
69)	Styrene	13.59	104	41728	4.65 ug/L	95
70)	Bromoform	14.08	173	10054	5.11 ug/L	98
71)	Isopropylbenzene	14.11	105	61271	4.57 ug/L	97
72)	1,1,2,2-Tetrachloroethane	14.40	83	18893	5.31 ug/L	99
74)	1,2,3-Trichloropropane	14.62	75	14250	5.28 ug/L	97
75)	trans-1,4-Dichloro-2-buten	14.77	88	3056	6.24 ug/L	91
76)	n-Propylbenzene	14.75	91	76577	4.49 ug/L	98
77)	Bromobenzene	14.77	156	14917	4.67 ug/L	93
78)	1,3,5-Trimethylbenzene	15.02	105	50612	4.46 ug/L	97
79)	2-Chlorotoluene	15.00	91	51206	4.52 ug/L	97
80)	4-Chlorotoluene	15.08	91	45875	4.34 ug/L	97
81)	tert-butylbenzene	15.58	119	39146	4.36 ug/L	97

(#) = qualifier out of range (m) = manual integration 092910

Data File : C:\HPCHEM\1\DATA\092710-I\I44004SI.D Vial: 11
Acq On : 27 Sep 2010 6:26 pm Operator: MT
Sample : 5 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.63	105	54288	4.54 ug/L	97
83)	Pentachloroethane	15.64	167	8190	5.87 ug/L	95
84)	sec-butylbenzene	15.92	105	65176	4.42 ug/L	97
85)	p-isopropyltoluene	16.15	119	50486	4.43 ug/L	95
86)	1,3-Dichlorobenzene	16.25	146	26068	4.56 ug/L	96
88)	1,4-Dichlorobenzene	16.42	146	27152	5.20 ug/L	96
89)	n-butylbenzene	16.81	91	50486	4.60 ug/L	99
90)	1,2-Dichlorobenzene	17.01	146	24650	5.29 ug/L	98
92)	1,2-Dibromo-3-chloropropan	18.30	75	3773	6.47 ug/L	96
94)	1,2,4-Trichlorobenzene	19.73	180	16681	5.17 ug/L	99
95)	Hexachlorobutadiene	19.98	225	6786	4.62 ug/L	95
96)	Naphthalene	20.12	128	25318	9.49 ug/L	95
97)	1,2,3-Trichlorobenzene	20.53	180	14666	5.77 ug/L	95
98)	1,3,5-Trichlorobenzene	18.68	180	19198	5.14 ug/L	98

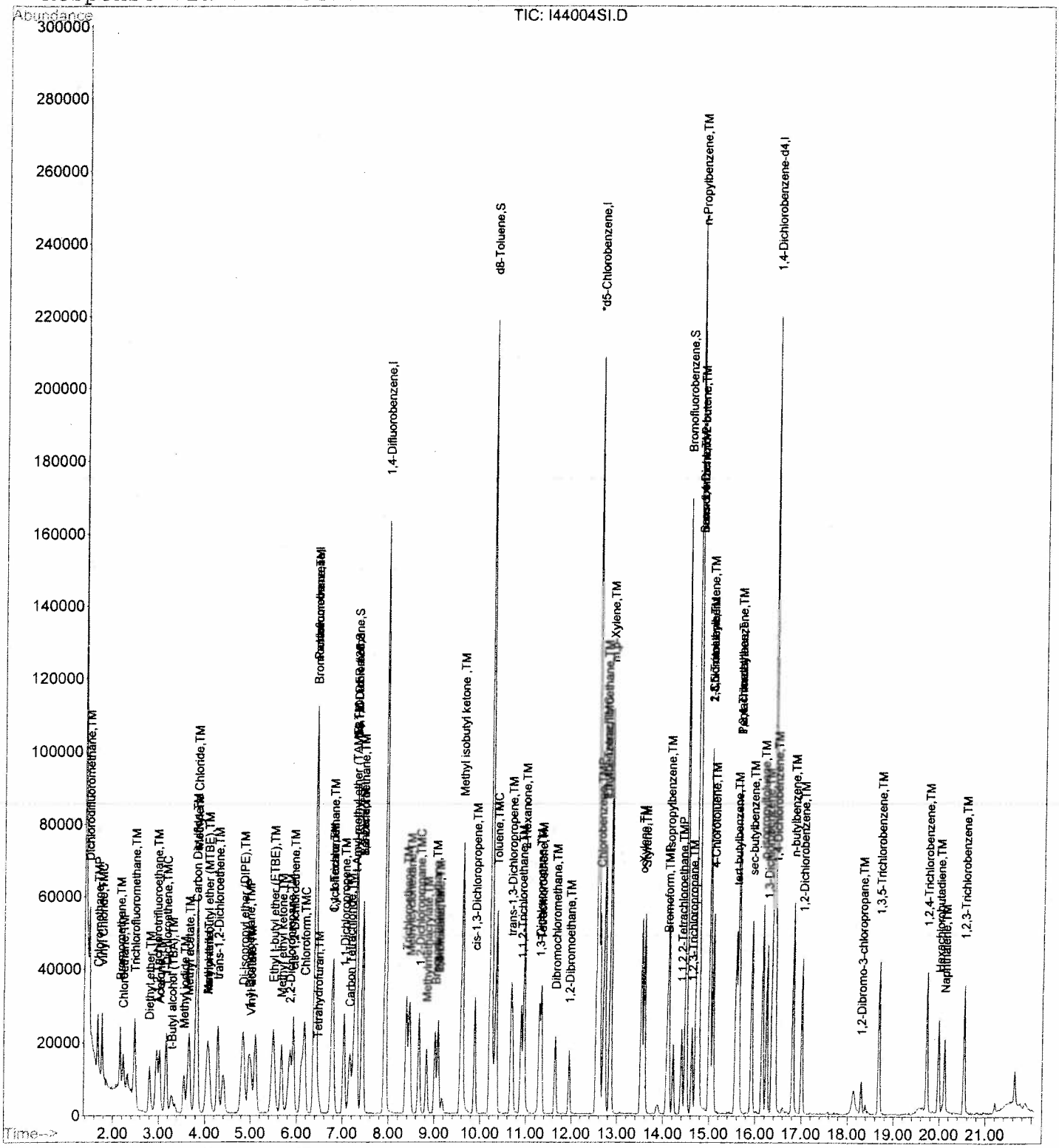
092910

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092710-I\I44004SI.D Vial: 11
Acq On : 27 Sep 2010 6:26 pm Operator: MT
Sample : 5 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



Data File : C:\HPCHEM\1\DATA\092710-I\I44005SI.D Vial: 12
Acq On : 27 Sep 2010 6:54 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	115240	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.92	114	214249 ✓	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	185477 ✓	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	80347	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	7.29	65	99856	16.97 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.85%		
36) d4-1,2-Dichloroethane	7.29	65	99856	16.97 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 84.85%		
54) d8-Toluene	10.23	98	232004	16.37 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 81.85%		
73) Bromofluorobenzene	14.49	95	93816	17.40 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 87.00%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	77038	9.85 ug/L	99
3) Chloromethane	1.68	50	64506	9.31 ug/L	99
4) Vinyl Chloride	1.76	62	58421	10.20 ug/L	98
5) Bromomethane	2.16	94	42673	11.48 ug/L	99
6) Chloroethane	2.23	64	33211	9.65 ug/L	90
7) t-Butyl alcohol (TBA)	3.28	59	57219	80.90 ug/L	99
8) Trichlorofluoromethane	2.48	101	117005	12.60 ug/L	96
9) Diethyl ether	2.80	74	30034	10.32 ug/L	99
10) 1,1,2-Trichlorotrifluoroet	2.95	101	63926	11.61 ug/L	99
12) Acetone	3.03	43	138918	65.46 ug/L	99
13) 1,1-Dichloroethene	3.16	96	53297	10.94 ug/L	96
14) Methyl iodide	3.56	142	82490	9.88 ug/L	99
15) Di-isopropyl ether (DIPE)	4.83	45	219172	10.70 ug/L	99
16) Methylene Chloride	3.82	84	84698	7.55 ug/L	99
17) Carbon Disulfide	3.79	76	174668	10.05 ug/L	100
18) Acrylonitrile	4.04	53	27174	14.46 ug/L	99
19) Methyl-tert-butyl ether (M	4.07	73	183266	12.57 ug/L	99
20) trans-1,2-Dichloroethene	4.29	96	63089	11.43 ug/L	100
21) 1,1-Dichloroethane	4.97	63	120621	11.03 ug/L	98
22) Vinyl acetate	5.03	86	10102	11.52 ug/L	91
23) Methyl ethyl ketone	5.67	72	40949	75.05 ug/L	89
24) Ethyl t-butyl ether (ETBE)	5.49	59	226970	11.66 ug/L	99
25) 2,2-Dichloropropane	5.84	77	96240	11.47 ug/L	97
26) cis-1,2-Dichloroethene	5.93	96	70895	11.17 ug/L	92
27) t-Amyl methyl ether (TAME)	7.25	73	176341	11.64 ug/L	98
29) Chloroform	6.17	83	121224	10.76 ug/L	97
30) Bromochloromethane	6.42	128	37383	11.62 ug/L #	88

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44005SI.D Vial: 12
Acq On : 27 Sep 2010 6:54 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.48	71	8551	14.01 ug/L	97
32)	1,1,1-Trichloroethane	6.78	97	101300	11.28 ug/L	96
34)	1,1-Dichloropropene	7.03	75	84948	10.91 ug/L	96
35)	Carbon Tetrachloride	7.16	119	81094	11.73 ug/L	98
37)	1,2-Dichloroethane	7.44	62	115692	11.94 ug/L	100
38)	Benzene	7.43	78	214056	10.70 ug/L	98
40)	Trichloroethene	8.39	95	68949	13.41 ug/L	99
41)	1,2-Dichloropropane	8.66	63	61826	12.79 ug/L	99
42)	Methylmethacrylate	8.83	69	45631	15.86 ug/L	99
43)	Methyl acetate	3.64	43	64202	15.61 ug/L	99
44)	Cyclohexane	6.77	56	97418	13.57 ug/L	98
45)	Bromodichloromethane	9.02	83	95996	13.63 ug/L	97
46)	Dibromomethane	9.09	93	57523	14.79 ug/L	98
47)	1,4-Dioxane	9.09	88	24123	470.73 ug/L	91
48)	Methylcyclohexane	8.45	83	91969	13.99 ug/L	99
51)	2-Hexanone	10.96	58	155828	85.23 ug/L	96
52)	Methyl isobutyl ketone	9.61	58	155804	84.61 ug/L	97
53)	cis-1,3-Dichloropropene	9.88	75	99706	13.14 ug/L	98
55)	Toluene	10.35	92	136072	12.95 ug/L	98
56)	trans-1,3-Dichloropropene	10.67	75	100797	13.83 ug/L	99
58)	1,1,2-Trichloroethane	10.90	83	49909	14.17 ug/L	96
59)	1,3-Dichloropropane	11.29	76	94345	14.13 ug/L	100
60)	Tetrachloroethene	11.34	166	59506	12.25 ug/L	98
61)	Dibromochloromethane	11.65	129	74208	14.50 ug/L	96
62)	1,2-Dibromoethane	11.95	107	74606	14.97 ug/L	95
64)	Chlorobenzene	12.61	112	164007	18.65 ug/L	99
65)	1,1,1,2-Tetrachloroethane	12.70	131	57371	19.31 ug/L	97
66)	Ethylbenzene	12.73	91	263593	17.88 ug/L	99
67)	m,p-Xylene	12.85	106	194562	36.12 ug/L	97
68)	o-Xylene	13.53	106	98079	18.43 ug/L	93
69)	Styrene	13.59	104	172027	18.44 ug/L	98
70)	Bromoform	14.08	173	45229	22.13 ug/L	100
71)	Isopropylbenzene	14.11	105	249708	17.94 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.40	83	80489	21.77 ug/L	99
74)	1,2,3-Trichloropropane	14.62	75	61304	21.88 ug/L	97
75)	trans-1,4-Dichloro-2-buten	14.77	88	14115	27.75 ug/L	83
76)	n-Propylbenzene	14.75	91	309963	17.48 ug/L	97
77)	Bromobenzene	14.77	156	61796	18.60 ug/L	95
78)	1,3,5-Trimethylbenzene	15.02	105	204591	17.34 ug/L	99
79)	2-Chlorotoluene	15.00	91	202704	17.20 ug/L	97
80)	4-Chlorotoluene	15.09	91	192639	17.56 ug/L	98
81)	tert-butylbenzene	15.58	119	178659	18.52 ug/L	98

(#) = qualifier out of range (m) = manual integration 092910

Data File : C:\HPCHEM\1\DATA\092710-I\I44005SI.D
Acq On : 27 Sep 2010 6:54 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010

Vial: 12
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82) 1,2,4-Trimethylbenzene	15.63	105	217952	17.53 ug/L	98
83) Pentachloroethane	15.64	167	33443	22.13 ug/L	99
84) sec-butylbenzene	15.91	105	265759	17.36 ug/L	99
85) p-isopropyltoluene	16.15	119	211601	17.89 ug/L	98
86) 1,3-Dichlorobenzene	16.25	146	108205	18.22 ug/L	97
88) 1,4-Dichlorobenzene	16.43	146	107482	19.80 ug/L	98
89) n-butylbenzene	16.81	91	216705	19.00 ug/L	100
90) 1,2-Dichlorobenzene	17.01	146	102818	21.25 ug/L	100
92) 1,2-Dibromo-3-chloropropan	18.30	75	16307	28.87 ug/L	95
94) 1,2,4-Trichlorobenzene	19.73	180	71465	21.31 ug/L	96
95) Hexachlorobutadiene	19.98	225	30472	19.96 ug/L	99
96) Naphthalene	20.12	128	130253	38.91 ug/L	96
97) 1,2,3-Trichlorobenzene	20.53	180	64490	24.40 ug/L	96
98) 1,3,5-Trichlorobenzene	18.68	180	78512	20.24 ug/L	95

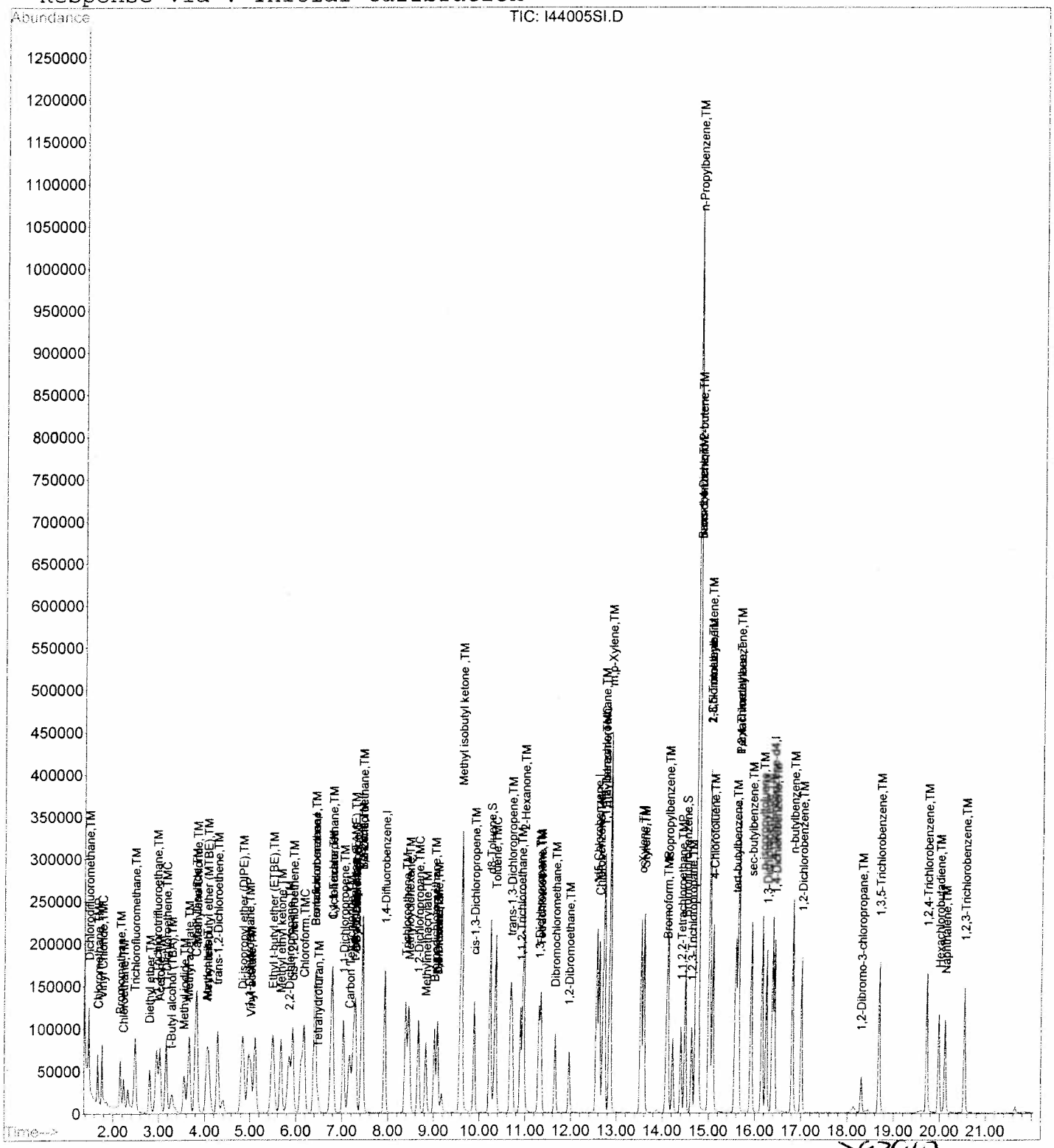
J92910

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092710-I\I44005SI.D Vial: 12
Acq On : 27 Sep 2010 6:54 pm Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



S92910

Data File : C:\HPCHEM\1\DATA\092710-I\I44006SI.D Vial: 13
Acq On : 27 Sep 2010 7:22 pm Operator: MT
Sample : 50 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	119455	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.92	114	222446 ✓	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	186670	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	82549	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB HOLDER #28	7.29	65	101253	16.60 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 83.00%		
36) d4-1,2-Dichloroethane	7.29	65	101253	16.60 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 83.00%		
54) d8-Toluene	10.23	98	233188	15.85 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 79.25%		
73) Bromofluorobenzene	14.49	95	95614	17.62 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.10%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.48	85	214721	26.50 ug/L	99
3) Chloromethane	1.67	50	172537	22.78 ug/L	100
4) Vinyl Chloride	1.76	62	157317	26.50 ug/L	98
5) Bromomethane	2.15	94	108259	25.59 ug/L	99
6) Chloroethane	2.23	64	88737	24.86 ug/L	90
7) t-Butyl alcohol (TBA)	3.30	59	135684	177.83 ug/L	99
8) Trichlorofluoromethane	2.47	101	316100	32.84 ug/L	97
9) Diethyl ether	2.81	74	80279	30.11 ug/L	95
10) 1,1,2-Trichlorotrifluoroet	2.96	101	175825	30.82 ug/L	99
12) Acetone	3.03	43	330252	158.92 ug/L	99
13) 1,1-Dichloroethene	3.16	96	148474	29.40 ug/L	97
14) Methyl iodide	3.56	142	255308	25.04 ug/L	99
15) Di-isopropyl ether (DIPE)	4.84	45	589575	27.77 ug/L	99
16) Methylene Chloride	3.83	84	193533	22.91 ug/L	99
17) Carbon Disulfide	3.79	76	485149	26.94 ug/L	100
18) Acrylonitrile	4.05	53	64861	33.30 ug/L	96
19) Methyl-tert-butyl ether (M	4.08	73	485219	32.11 ug/L	98
20) trans-1,2-Dichloroethene	4.28	96	177823	31.08 ug/L	98
21) 1,1-Dichloroethane	4.97	63	329356	29.04 ug/L	98
22) Vinyl acetate	5.02	86	27309	27.98 ug/L	88
23) Methyl ethyl ketone	5.67	72	97663	172.68 ug/L	94
24) Ethyl t-butyl ether (ETBE)	5.50	59	607820	30.12 ug/L	99
25) 2,2-Dichloropropane	5.85	77	268087	30.83 ug/L	99
26) cis-1,2-Dichloroethene	5.93	96	193707	29.44 ug/L	96
27) t-Amyl methyl ether (TAME)	7.25	73	471357	30.01 ug/L	98
29) Chloroform	6.18	83	337770	28.92 ug/L	95
30) Bromochloromethane	6.42	128	99212	29.76 ug/L #	89

(#) = qualifier out of range (m) = manual integration DS 9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44006SI.D
Acq On : 27 Sep 2010 7:22 pm
Sample : 50 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010

Vial: 13
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) Tetrahydrofuran	6.47	71	22254	34.51 ug/L	88
32) 1,1,1-Trichloroethane	6.78	97	282666	30.36 ug/L	97
34) 1,1-Dichloropropene	7.03	75	239335	29.65 ug/L	95
35) Carbon Tetrachloride	7.16	119	230069	32.12 ug/L	100
37) 1,2-Dichloroethane	7.44	62	311416	31.01 ug/L	100
38) Benzene	7.43	78	575200	27.75 ug/L	97
40) Trichloroethene	8.38	95	186093	34.85 ug/L	96
41) 1,2-Dichloropropane	8.67	63	170978	34.07 ug/L	99
42) Methylmethacrylate	8.83	69	120274	40.26 ug/L	99
43) Methyl acetate	3.64	43	157507	36.89 ug/L	98
44) Cyclohexane	6.77	56	269194	36.11 ug/L	99
45) Bromodichloromethane	9.02	83	263456	36.03 ug/L	98
46) Dibromomethane	9.08	93	154519	38.26 ug/L	98
47) 1,4-Dioxane	9.08	88	58869	1075.64 ug/L	93
48) Methylcyclohexane	8.45	83	257826	37.79 ug/L	99
51) 2-Hexanone	10.96	58	381087	200.74 ug/L	96
52) Methyl isobutyl ketone	9.61	58	383578	200.62 ug/L	97
53) cis-1,3-Dichloropropene	9.88	75	278870	35.39 ug/L	99
55) Toluene	10.35	92	372361	34.12 ug/L	100
56) trans-1,3-Dichloropropene	10.67	75	275842	36.44 ug/L	98
58) 1,1,2-Trichloroethane	10.90	83	128793	35.22 ug/L	99
59) 1,3-Dichloropropane	11.29	76	248786	35.88 ug/L	100
60) Tetrachloroethene	11.34	166	164687	32.65 ug/L	98
61) Dibromochloromethane	11.66	129	201390	37.90 ug/L	96
62) 1,2-Dibromoethane	11.96	107	196465	37.98 ug/L	97
64) Chlorobenzene	12.62	112	443714	50.12 ug/L	99
65) 1,1,1,2-Tetrachloroethane	12.71	131	156881	52.45 ug/L	94
66) Ethylbenzene	12.73	91	721415	48.63 ug/L	99
67) m,p-Xylene	12.85	106	533054	98.32 ug/L	97
68) o-Xylene	13.53	106	262207	48.97 ug/L	92
69) Styrene	13.59	104	468436	49.90 ug/L	99
70) Bromoform	14.08	173	122632	59.61 ug/L	98
71) Isopropylbenzene	14.11	105	693305	49.48 ug/L	98
72) 1,1,2,2-Tetrachloroethane	14.39	83	202714	54.49 ug/L	99
74) 1,2,3-Trichloropropane	14.63	75	155655	55.20 ug/L	98
75) trans-1,4-Dichloro-2-buten	14.77	88	36622	71.53 ug/L	83
76) n-Propylbenzene	14.75	91	830557	46.53 ug/L	97
77) Bromobenzene	14.77	156	166083	49.67 ug/L	95
78) 1,3,5-Trimethylbenzene	15.02	105	566205	47.68 ug/L	99
79) 2-Chlorotoluene	15.01	91	557730	47.03 ug/L	98
80) 4-Chlorotoluene	15.08	91	518874	46.98 ug/L	97
81) tert-butylbenzene	15.58	119	499442	51.11 ug/L	97

(#) = qualifier out of range (m) = manual integration

JS 29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44006SI.D Vial: 13
Acq On : 27 Sep 2010 7:22 pm Operator: MT
Sample : 50 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.63	105	595809	47.62 ug/L	99
83)	Pentachloroethane	15.64	167	94329	61.45 ug/L	98
84)	sec-butylbenzene	15.92	105	756570	49.10 ug/L	98
85)	p-isopropyltoluene	16.15	119	597605	50.19 ug/L	98
86)	1,3-Dichlorobenzene	16.25	146	291412	48.75 ug/L	98
88)	1,4-Dichlorobenzene	16.42	146	299151	53.63 ug/L	97
89)	n-butylbenzene	16.81	91	603785	51.51 ug/L	99
90)	1,2-Dichlorobenzene	17.01	146	275630	55.45 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.30	75	41937	73.19 ug/L	97
94)	1,2,4-Trichlorobenzene	19.73	180	196484	57.04 ug/L	94
95)	Hexachlorobutadiene	19.98	225	86477	55.14 ug/L	96
96)	Naphthalene	20.12	128	373696	81.94 ug/L	97
97)	1,2,3-Trichlorobenzene	20.53	180	175406	64.58 ug/L	98
98)	1,3,5-Trichlorobenzene	18.68	180	216068	54.22 ug/L	99

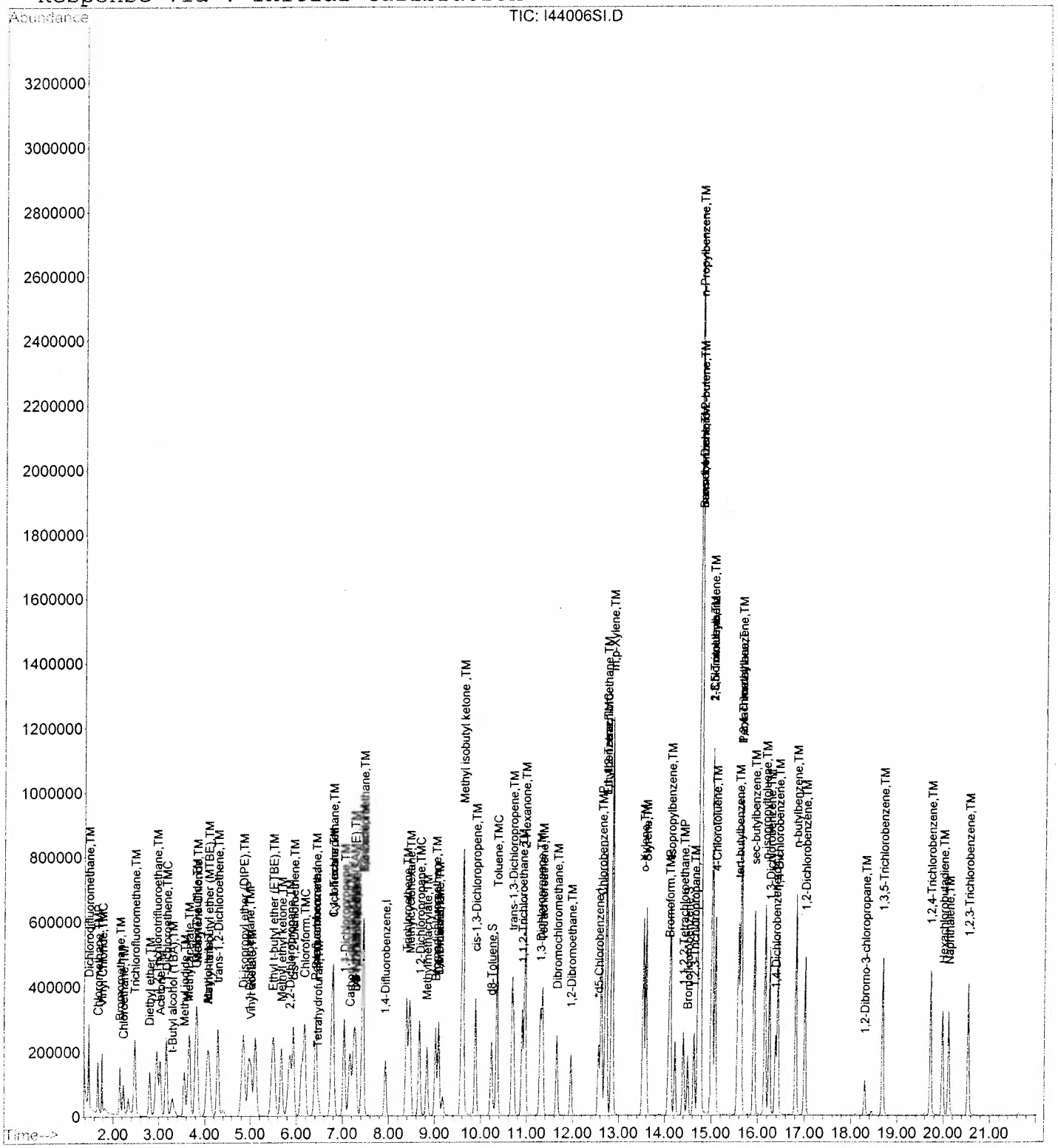
092910

(#) = qualifier out of range (m) = manual integration
I44006SI.D VS09270I.M Tue Sep 28 13:54:35 2010 Page 3

Data File : C:\HPCHEM\1\DATA\092710-I\I44006SI.D Vial: 13
Acq On : 27 Sep 2010 7:22 pm Operator: MT
Sample : 50 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



D 9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44007SI.D Vial: 14
Acq On : 27 Sep 2010 7:50 pm Operator: MT
Sample : 100 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	115759	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	7.92	114	220266	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	189844 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.37	152	82308	20.00	ug/L	0.00
System Monitoring Compounds						
28) DB HOLDER #28	7.29	65	101252	17.13	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 85.65%			
36) d4-1,2-Dichloroethane	7.29	65	101252	17.13	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 85.65%			
54) d8-Toluene	10.22	98	237240	16.28	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 81.40%			
73) Bromofluorobenzene	14.49	95	97651	17.70	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.50%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	405753	51.67	ug/L	100
3) Chloromethane	1.67	50	333138	44.60	ug/L	99
4) Vinyl Chloride	1.75	62	304120	52.87	ug/L	98
5) Bromomethane	2.13	94	209174	49.30	ug/L	100
6) Chloroethane	2.21	64	165660	47.90	ug/L	91
7) t-Butyl alcohol (TBA)	3.31	59	275909	366.97	ug/L	99
8) Trichlorofluoromethane	2.47	101	585849	62.80	ug/L	97
9) Diethyl ether	2.80	74	150802	60.43	ug/L	95
10) 1,1,2-Trichlorotrifluoroet	2.94	101	338020	61.13	ug/L	99
12) Acetone	3.03	43	631092	320.00	ug/L	98
13) 1,1-Dichloroethene	3.15	96	282079	57.64	ug/L	98
14) Methyl iodide	3.54	142	509039	49.14	ug/L	99
15) Di-isopropyl ether (DIPE)	4.83	45	1125117	54.68	ug/L	99
16) Methylene Chloride	3.82	84	348990	47.10	ug/L	100
17) Carbon Disulfide	3.78	76	908074	52.03	ug/L	100
18) Acrylonitrile	4.04	53	126013	66.75	ug/L	99
19) Methyl-tert-butyl ether (M	4.08	73	938432	64.09	ug/L	97
20) trans-1,2-Dichloroethene	4.27	96	330513	59.61	ug/L	97
21) 1,1-Dichloroethane	4.96	63	627239	57.08	ug/L	100
22) Vinyl acetate	5.01	86	53892	55.64	ug/L	83
23) Methyl ethyl ketone	5.67	72	191405	349.22	ug/L	93
24) Ethyl t-butyl ether (ETBE)	5.48	59	1176568	60.16	ug/L	99
25) 2,2-Dichloropropane	5.85	77	515725	61.20	ug/L	99
26) cis-1,2-Dichloroethene	5.92	96	370943	58.17	ug/L	96
27) t-Amyl methyl ether (TAME)	7.25	73	901170	59.21	ug/L	98
29) Chloroform	6.17	83	639558	56.50	ug/L	95
30) Bromochloromethane	6.42	128	189242	58.58	ug/L #	87

(#) = qualifier out of range (m) = manual integration J 9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44007SI.D Vial: 14
Acq On : 27 Sep 2010 7:50 pm Operator: MT
Sample : 100 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.47	71	41187	65.50 ug/L	92
32)	1,1,1-Trichloroethane	6.77	97	538493	59.69 ug/L	97
34)	1,1-Dichloropropene	7.02	75	450814	57.63 ug/L	96
35)	Carbon Tetrachloride	7.15	119	445001	64.10 ug/L	98
37)	1,2-Dichloroethane	7.43	62	589199	60.54 ug/L	99
38)	Benzene	7.43	78	1073967	53.46 ug/L	99
40)	Trichloroethene	8.38	95	354643	67.07 ug/L	94
41)	1,2-Dichloropropane	8.67	63	321663	64.72 ug/L	100
42)	Methylmethacrylate	8.82	69	235035	79.45 ug/L	97
43)	Methyl acetate	3.63	43	310091	73.35 ug/L	99
44)	Cyclohexane	6.76	56	507783	68.78 ug/L	99
45)	Bromodichloromethane	9.01	83	501035	69.19 ug/L	98
46)	Dibromomethane	9.08	93	294936	73.75 ug/L	97
47)	1,4-Dioxane	9.08	88	116124	2120.16 ug/L	94
48)	Methylcyclohexane	8.45	83	489947	72.51 ug/L	99
51)	2-Hexanone	10.95	58	739787	393.55 ug/L	96
52)	Methyl isobutyl ketone	9.60	58	729095	385.10 ug/L	97
53)	cis-1,3-Dichloropropene	9.88	75	531542	68.11 ug/L	99
55)	Toluene	10.34	92	703602	65.12 ug/L	97
56)	trans-1,3-Dichloropropene	10.67	75	534070	71.26 ug/L	97
58)	1,1,2-Trichloroethane	10.89	83	244763	67.59 ug/L	99
59)	1,3-Dichloropropane	11.29	76	479323	69.81 ug/L	100
60)	Tetrachloroethene	11.34	166	319044	63.88 ug/L	98
61)	Dibromochloromethane	11.65	129	395353	75.14 ug/L	95
62)	1,2-Dibromoethane	11.96	107	381443	74.46 ug/L	98
64)	Chlorobenzene	12.62	112	858130	95.31 ug/L	99
65)	1,1,1,2-Tetrachloroethane	12.71	131	304063	99.96 ug/L	95
66)	Ethylbenzene	12.73	91	1352379	89.64 ug/L	99
67)	m,p-Xylene	12.84	106	1001558	181.65 ug/L	96
68)	o-Xylene	13.52	106	506153	92.94 ug/L	94
69)	Styrene	13.58	104	900139	94.28 ug/L	100
70)	Bromoform	14.08	173	244146	116.69 ug/L	99
71)	Isopropylbenzene	14.12	105	1329856	93.33 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.40	83	402465	106.37 ug/L	99
74)	1,2,3-Trichloropropane	14.63	75	304739	106.26 ug/L	98
75)	trans-1,4-Dichloro-2-buten	14.78	88	72620	139.47 ug/L	79
76)	n-Propylbenzene	14.75	91	1531154	84.34 ug/L	96
77)	Bromobenzene	14.77	156	314732	92.56 ug/L	97
78)	1,3,5-Trimethylbenzene	15.01	105	1082176	89.60 ug/L	99
79)	2-Chlorotoluene	15.00	91	1045165	86.67 ug/L	97
80)	4-Chlorotoluene	15.08	91	1003451	89.34 ug/L	99
81)	tert-butylbenzene	15.57	119	945053	94.93 ug/L	98

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44007SI.D Vial: 14
Acq On : 27 Sep 2010 7:50 pm Operator: MT
Sample : 100 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 07:15:51 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.63	105	1134387	89.15 ug/L	98
83)	Pentachloroethane	15.63	167	179181	114.49 ug/L	97
84)	sec-butylbenzene	15.92	105	1435676	91.61 ug/L	97
85)	p-isopropyltoluene	16.15	119	1149638	94.95 ug/L	97
86)	1,3-Dichlorobenzene	16.24	146	564723	92.89 ug/L	99
88)	1,4-Dichlorobenzene	16.43	146	577834	103.89 ug/L	97
89)	n-butylbenzene	16.82	91	1144363	97.92 ug/L	98
90)	1,2-Dichlorobenzene	17.00	146	533809	107.70 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.29	75	84662	148.82 ug/L	96
94)	1,2,4-Trichlorobenzene	19.72	180	371866	108.26 ug/L	97
95)	Hexachlorobutadiene	19.98	225	162109	103.66 ug/L	97
96)	Naphthalene	20.12	128	796109	134.19 ug/L	98
97)	1,2,3-Trichlorobenzene	20.54	180	338561	125.02 ug/L	98
98)	1,3,5-Trichlorobenzene	18.69	180	401011	100.93 ug/L	97

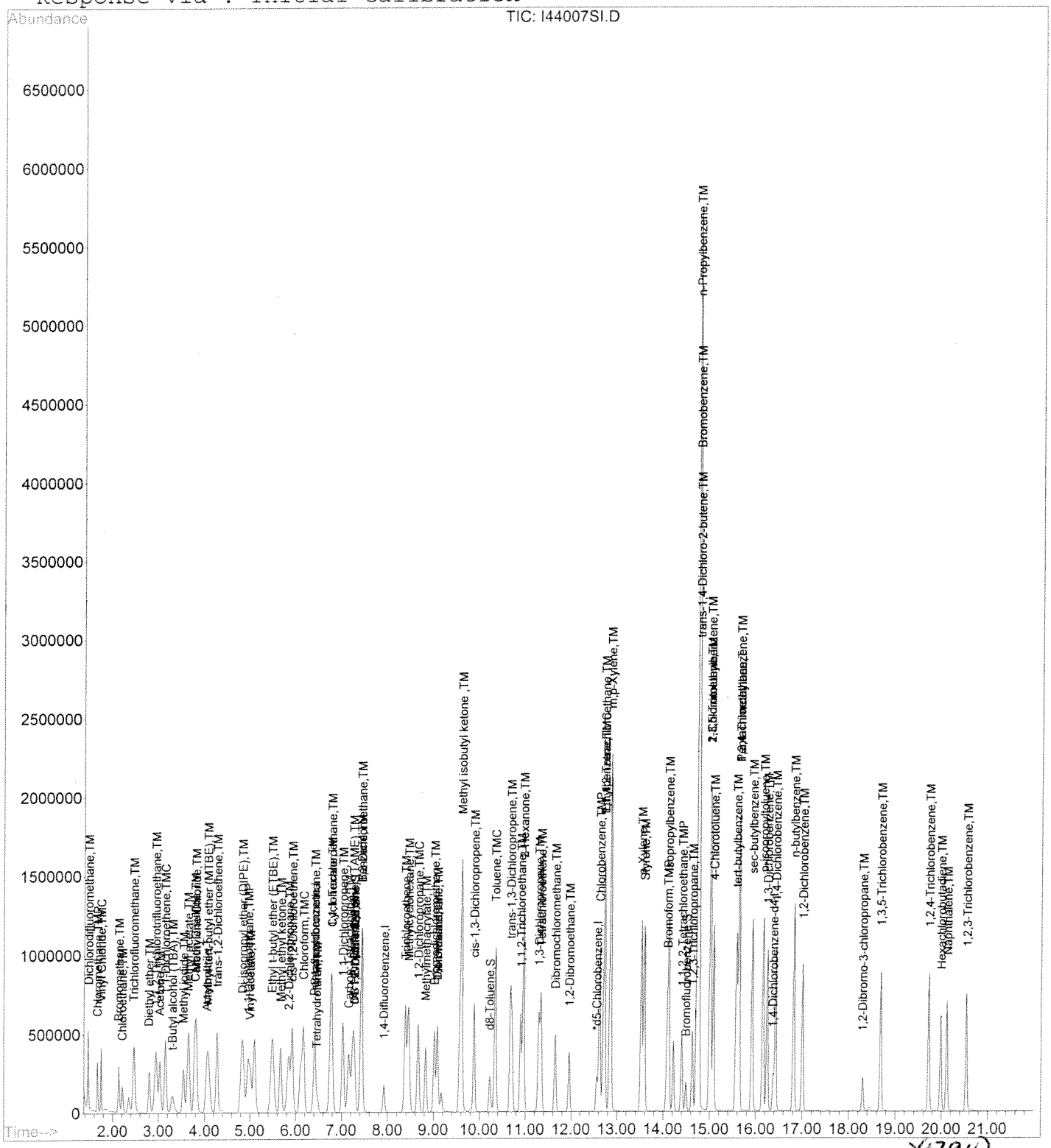
J929w

(#) = qualifier out of range (m) ='manual integration

Data File : C:\HPCHEM\1\DATA\092710-I\I44007SI.D Vial: 14
Acq On : 27 Sep 2010 7:50 pm Operator: MT
Sample : 100 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 7:16 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



9/29/10

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: BLK
Spike: 20 PPB ICV

MT 9/29/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
Dichlorodifluoromethane	20	80	120	0.0	22	108	
Chloromethane	20	80	120	0.0	20	98	
Vinyl Chloride	20	80	120	0.0	21	105	
Bromomethane	20	80	120	0.0	23	116	
Chloroethane	20	80	120	0.0	21	107	
t-Butyl alcohol (TBA)	100	80	120	0.0	104	104	
Trichlorofluoromethane	20	80	120	0.0	18	92	
Diethyl ether	20	80	120	0.0	22	111	
1,1,2-Trichlorotrifluoroethane	20	80	120	0.0	21	106	
Acetone	100	80	120	0.0	108	108	
1,1-Dichloroethene	20	80	120	0.0	21	107	
Methyl iodide	20	80	120	0.0	24	118	
Di-isopropyl ether (DIPE)	20	80	120	0.0	21	105	
Methylene Chloride	20	80	120	0.0	23	114	
Carbon Disulfide	20	80	120	0.0	23	115	
Methyl-tert-butyl ether (MTBE)	40	80	120	0.0	43	108	
trans-1,2-Dichloroethene	20	80	120	0.0	21	105	
1,1-Dichloroethane	20	80	120	0.0	21	107	
Vinyl acetate	20	80	120	0.0	18	91	
Methyl ethyl ketone	100	80	120	0.0	109	109	
Ethyl t-butyl ether (ETBE)	20	80	120	0.0	21	106	
2,2-Dichloropropane	20	80	120	0.0	21	106	
cis-1,2-Dichloroethene	20	80	120	0.0	22	111	
t-Amyl methyl ether (TAME)	20	80	120	0.0	21	106	
Chloroform	20	80	120	0.0	22	108	
Bromochloromethane	20	80	120	0.0	23	117	
Tetrahydrofuran	20	80	120	0.0	23	113	
1,1,1-Trichloroethane	20	80	120	0.0	22	109	
1,1-Dichloropropene	20	80	120	0.0	21	107	
Carbon Tetrachloride	20	80	120	0.0	22	111	
1,2-Dichloroethane	20	80	120	0.0	22	111	
Benzene	20	80	120	0.0	21	106	
Trichloroethene	20	80	120	0.0	21	105	
1,2-Dichloropropane	20	80	120	0.0	22	109	
Methylmethacrylate	20	80	120	0.0	22	112	
Methyl acetate	20	80	120	0.0	23	113	
Cyclohexane	20	80	120	0.0	18	92	
Bromodichloromethane	20	80	120	0.0	22	108	
Dibromomethane	20	80	120	0.0	21	107	
1,4-Dioxane	500	80	120	0.0	518	104	
Methylcyclohexane	20	80	120	0.0	21	103	
2-Hexanone	100	80	120	0.0	112	112	
Methyl isobutyl ketone	100	80	120	0.0	108	108	
cis-1,3-Dichloropropene	20	80	120	0.0	22	111	
Toluene	20	80	120	0.0	21	105	
trans-1,3-Dichloropropene	20	80	120	0.0	20	102	
1,1,2-Trichloroethane	20	80	120	0.0	22	111	
1,3-Dichloropropane	20	80	120	0.0	22	112	
Tetrachloroethene	20	80	120	0.0	23	114	
Dibromochloromethane	20	80	120	0.0	22	112	

9/29/10

VOA FORM 3

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: BLK
Spike: 20 PPB ICV

MT 9/29/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
1,2-Dibromoethane	20	80	120	0.0	23	113	
Chlorobenzene	20	80	120	0.0	21	107	
1,1,1,2-Tetrachloroethane	20	80	120	0.0	22	111	
Ethylbenzene	20	80	120	0.0	21	107	
m,p-Xylene	40	80	120	0.0	43	106	
o-Xylene	20	80	120	0.0	21	104	
Styrene	20	80	120	0.0	22	109	
Bromoform	20	80	120	0.0	22	112	
Isopropylbenzene	20	80	120	0.0	19	94	
1,1,2,2-Tetrachloroethane	20	80	120	0.0	21	107	
1,2,3-Trichloropropane	20	80	120	0.0	22	108	
trans-1,4-Dichloro-2-butene	20	80	120	0.0	23	114	
n-Propylbenzene	20	80	120	0.0	21	103	
Bromobenzene	20	80	120	0.0	22	109	
1,3,5-Trimethylbenzene	20	80	120	0.0	21	107	
2-Chlorotoluene	20	80	120	0.0	21	106	
4-Chlorotoluene	20	80	120	0.0	21	104	
tert-butylbenzene	20	80	120	0.0	21	107	
1,2,4-Trimethylbenzene	20	80	120	0.0	21	103	
sec-butylbenzene	20	80	120	0.0	22	108	
p-isopropyltoluene	20	80	120	0.0	21	104	
1,3-Dichlorobenzene	20	80	120	0.0	21	104	
1,4-Dichlorobenzene	20	80	120	0.0	21	106	
n-butylbenzene	20	80	120	0.0	22	108	
1,2-Dichlorobenzene	20	80	120	0.0	22	109	
1,2-Dibromo-3-chloropropane	20	80	120	0.0	22	110	
1,2,4-Trichlorobenzene	20	80	120	0.0	20	101	
Hexachlorobutadiene	20	80	120	0.0	22	111	
Naphthalene	20	80	120	0.0	18	92	
1,2,3-Trichlorobenzene	20	80	120	0.0	22	108	
1,3,5-Trichlorobenzene	20	80	120	0.0	20	101	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 9129W

VOA FORM 3

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:56 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	116794	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	7.93	114	216266 ✓	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	187549	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	80716	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	7.30	65	101845	20.41 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.05% ✓		
36) d4-1,2-Dichloroethane	7.30	65	101845	20.41 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.05% ✓		
54) d8-Toluene	10.23	98	231829	19.94 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.70% ✓		
73) Bromofluorobenzene	14.49	95	94082	19.64 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.20% ✓		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.47	85	88487	21.61 ug/L	100
3) Chloromethane	1.67	50	69182	19.55 ug/L	97
4) Vinyl Chloride	1.76	62	65387	21.03 ug/L	99
5) Bromomethane	2.15	94	56360m	23.14 ug/L	
6) Chloroethane	2.23	64	36955	21.44 ug/L	84
7) t-Butyl alcohol (TBA)	3.29	59	54190	103.51 ug/L	98
8) Trichlorofluoromethane	2.48	101	113890	18.42 ug/L	95
9) Diethyl ether	2.80	74	33487	22.19 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	2.96	101	69912	21.21 ug/L	99
12) Acetone	3.03	43	146715	107.58 ug/L	99
13) 1,1-Dichloroethene	3.17	96	59773	21.40 ug/L	95
14) Methyl iodide	3.56	142	101642	23.64 ug/L	100
15) Di-isopropyl ether (DIPE)	4.84	45	237062	21.09 ug/L	98
16) Methylene Chloride	3.83	84	96555	22.83 ug/L	98
17) Carbon Disulfide	3.80	76	211047	22.98 ug/L	100
18) Acrylonitrile	4.04	53	30001	23.53 ug/L	96
19) Methyl-tert-butyl ether (M	4.08	73	398995	43.13 ug/L	98
20) trans-1,2-Dichloroethene	4.28	96	70544	20.95 ug/L	97
21) 1,1-Dichloroethane	4.97	63	134936	21.38 ug/L	100
22) Vinyl acetate	5.02	86	8870	18.18 ug/L	81
23) Methyl ethyl ketone	5.68	72	40906	108.63 ug/L	91
24) Ethyl t-butyl ether (ETBE)	5.50	59	243976	21.21 ug/L	99
25) 2,2-Dichloropropane	5.86	77	107692	21.28 ug/L	99
26) cis-1,2-Dichloroethene	5.94	96	82021	22.22 ug/L	93
27) t-Amyl methyl ether (TAME)	7.26	73	189989	21.30 ug/L	99
29) Chloroform	6.18	83	137425	21.62 ug/L	97
30) Bromochloromethane	6.42	128	42555	23.35 ug/L	93

(#) = qualifier out of range (m) = manual integration 9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:56 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010 MT 9/29/10
Response via : Initial Calibration
DataAcq Meth : VS09270I

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.48	71	9318	22.63 ug/L	90
32)	1,1,1-Trichloroethane	6.78	97	115350	21.89 ug/L	98
34)	1,1-Dichloropropene	7.03	75	96007	21.31 ug/L	97
35)	Carbon Tetrachloride	7.16	119	94314	22.22 ug/L	95
37)	1,2-Dichloroethane	7.43	62	130499	22.23 ug/L	100
38)	Benzene	7.43	78	237680	21.26 ug/L	98
40)	Trichloroethene	8.38	95	74556	20.95 ug/L	97
41)	1,2-Dichloropropane	8.66	63	70602	21.74 ug/L	98
42)	Methylmethacrylate	8.83	69	49435	22.44 ug/L	99
43)	Methyl acetate	3.63	43	75117	22.64 ug/L	98
44)	Cyclohexane	6.79	56	92921m	18.33 ug/L	
45)	Bromodichloromethane	9.02	83	106112	21.69 ug/L	99
46)	Dibromomethane	9.08	93	61872	21.50 ug/L	97
47)	1,4-Dioxane	9.08	88	23214	517.59 ug/L	94
48)	Methylcyclohexane	8.46	83	97896	20.64 ug/L	99
51)	2-Hexanone	10.96	58	161722	111.52 ug/L	96
52)	Methyl isobutyl ketone	9.60	58	159058	108.43 ug/L	97
53)	cis-1,3-Dichloropropene	9.89	75	114449	22.21 ug/L	97
55)	Toluene	10.35	92	150133	21.00 ug/L	99
56)	trans-1,3-Dichloropropene	10.67	75	102820	20.32 ug/L	98
58)	1,1,2-Trichloroethane	10.89	83	54371	22.17 ug/L	98
59)	1,3-Dichloropropane	11.30	76	106052	22.49 ug/L	99
60)	Tetrachloroethene	11.34	166	70242	22.76 ug/L	97
61)	Dibromochloromethane	11.65	129	82354	22.42 ug/L	94
62)	1,2-Dibromoethane	11.96	107	83077	22.52 ug/L	100
64)	Chlorobenzene	12.62	112	183847	21.41 ug/L	98
65)	1,1,1,2-Tetrachloroethane	12.70	131	66334	22.13 ug/L	99
66)	Ethylbenzene	12.72	91	294011	21.40 ug/L	100
67)	m,p-Xylene	12.85	106	219354	42.53 ug/L	97
68)	o-Xylene	13.52	106	105251	20.88 ug/L	96
69)	Styrene	13.59	104	192489	21.72 ug/L	97
70)	Bromoform	14.08	173	50173	22.39 ug/L	98
71)	Isopropylbenzene	14.11	105	245638	18.77 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.40	83	85856	21.45 ug/L	99
74)	1,2,3-Trichloropropane	14.63	75	66856	21.65 ug/L	98
75)	trans-1,4-Dichloro-2-buten	14.76	88	14760	22.82 ug/L #	41
76)	n-Propylbenzene	14.75	91	332927	20.66 ug/L	96
77)	Bromobenzene	14.76	156	69716	21.73 ug/L	99
78)	1,3,5-Trimethylbenzene	15.01	105	229781	21.32 ug/L	99
79)	2-Chlorotoluene	15.00	91	228936	21.19 ug/L	98
80)	4-Chlorotoluene	15.08	91	208266	20.81 ug/L	98
81)	tert-butylbenzene	15.57	119	193347	21.35 ug/L	98

(#) = qualifier out of range (m) = manual integration 9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:56 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	1,2,4-Trimethylbenzene	15.63	105	234288	20.55 ug/L	100
83)	Pentachloroethane	15.63	167	35227	20.41 ug/L	99
84)	sec-butylbenzene	15.92	105	303355	21.64 ug/L	100
85)	p-isopropyltoluene	16.15	119	228870	20.75 ug/L	96
86)	1,3-Dichlorobenzene	16.25	146	117231	20.84 ug/L	96
88)	1,4-Dichlorobenzene	16.43	146	122008	21.26 ug/L	95
89)	n-butylbenzene	16.81	91	239566	21.57 ug/L	98
90)	1,2-Dichlorobenzene	17.01	146	114782	21.85 ug/L	99
92)	1,2-Dibromo-3-chloropropan	18.30	75	16914	22.02 ug/L	88
94)	1,2,4-Trichlorobenzene	19.72	180	74761	20.25 ug/L	96
95)	Hexachlorobutadiene	19.99	225	34255	22.11 ug/L	95
96)	Naphthalene	20.11	128	124329	18.46 ug/L	98
97)	1,2,3-Trichlorobenzene	20.54	180	70306	21.50 ug/L	97
98)	1,3,5-Trichlorobenzene	18.69	180	81905	20.26 ug/L	97

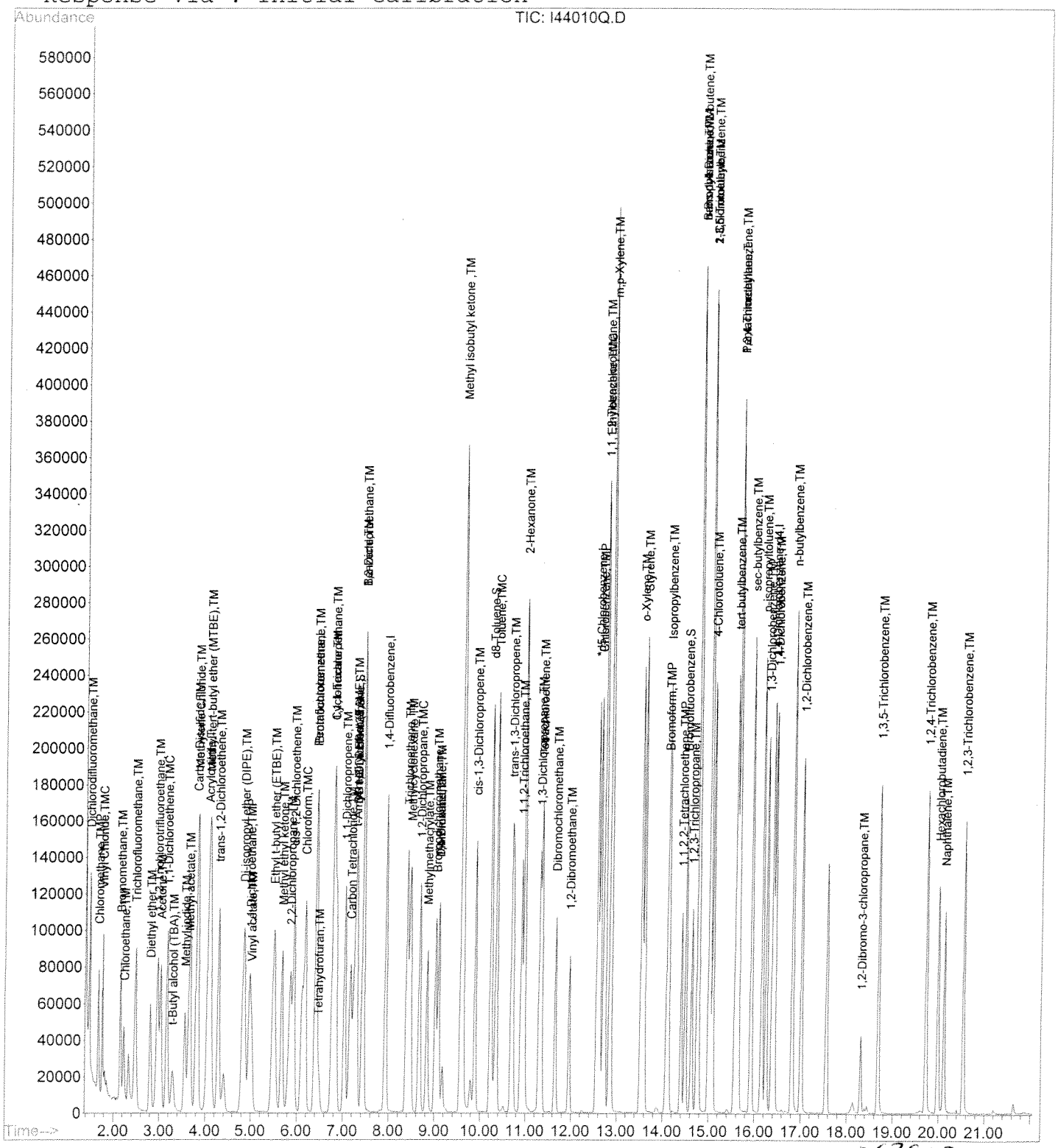
9/29/10

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:56 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



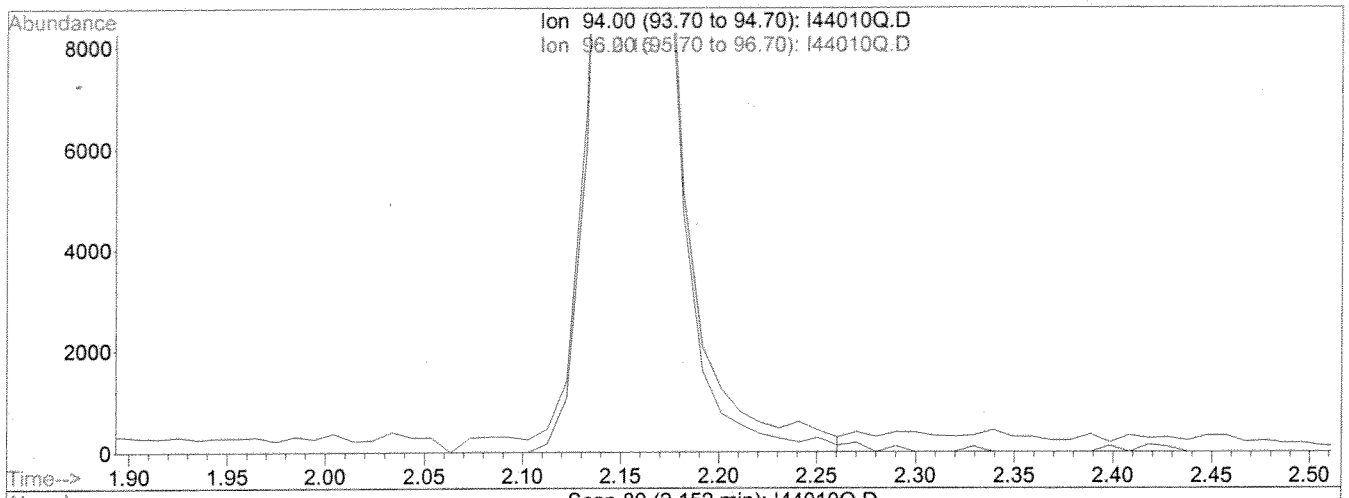
9/29/10

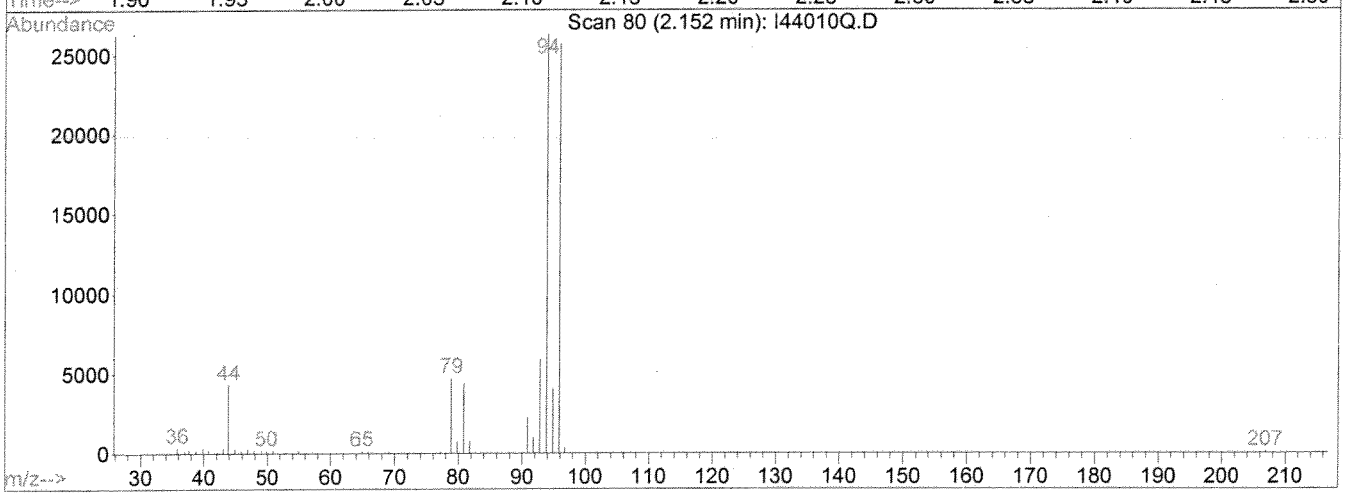
Quantitation Report (Quant)

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:54 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10
e.a.





TIC: I44010Q.D

(5) Bromomethane (TM)

2.15min 24.41ug/L

response 59447

Ion	Exp%	Act%
94.00	100	100
96.00	96.00	97.72
0.00	0.00	0.00
0.00	0.00	0.00

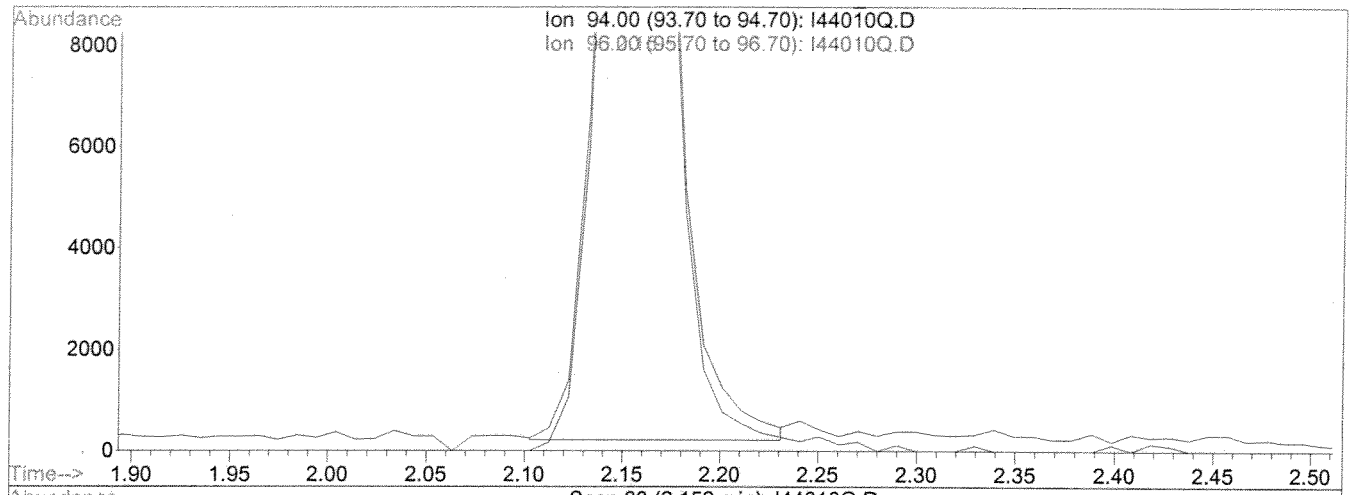
D4294

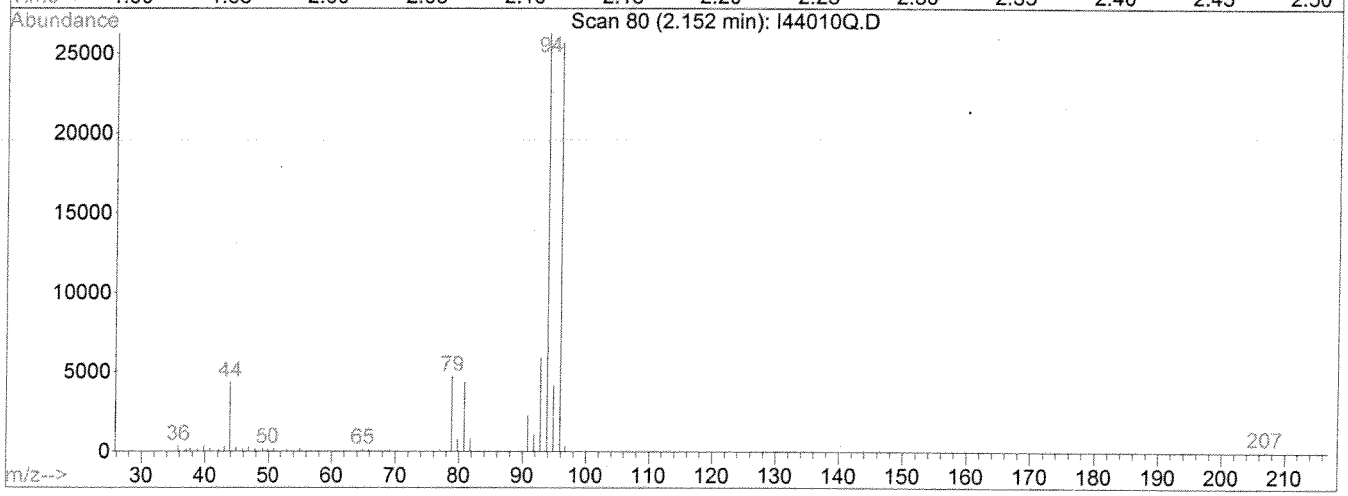
I44010Q.D VS09270I.M Tue Sep 28 13:54:59 2010

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:55 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10





TIC: I44010Q.D

(5) Bromomethane (TM)

2.15min 23.14ug/L m

response 56360

Ion	Exp%	Act%
94.00	100	100
96.00	96.00	97.72
0.00	0.00	0.00
0.00	0.00	0.00

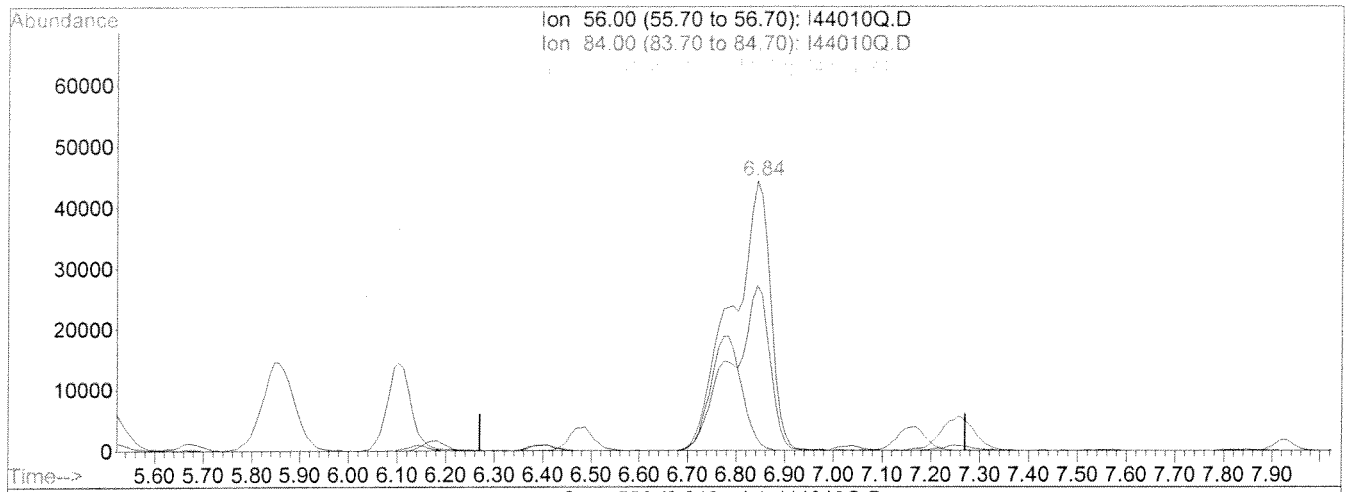
9/29/10

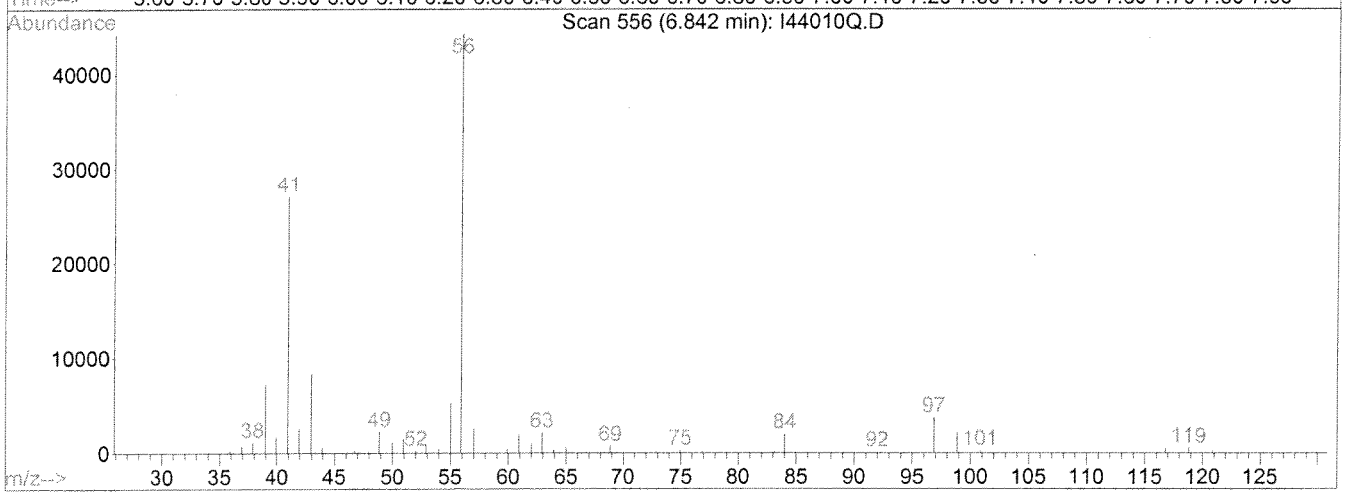
I44010Q.D VS09270I.M Tue Sep 28 13:55:05 2010

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:55 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10
Co-el





TIC: I44010Q.D

(44) Cyclohexane (TM)

6.84min 48.65ug/L

response 246611

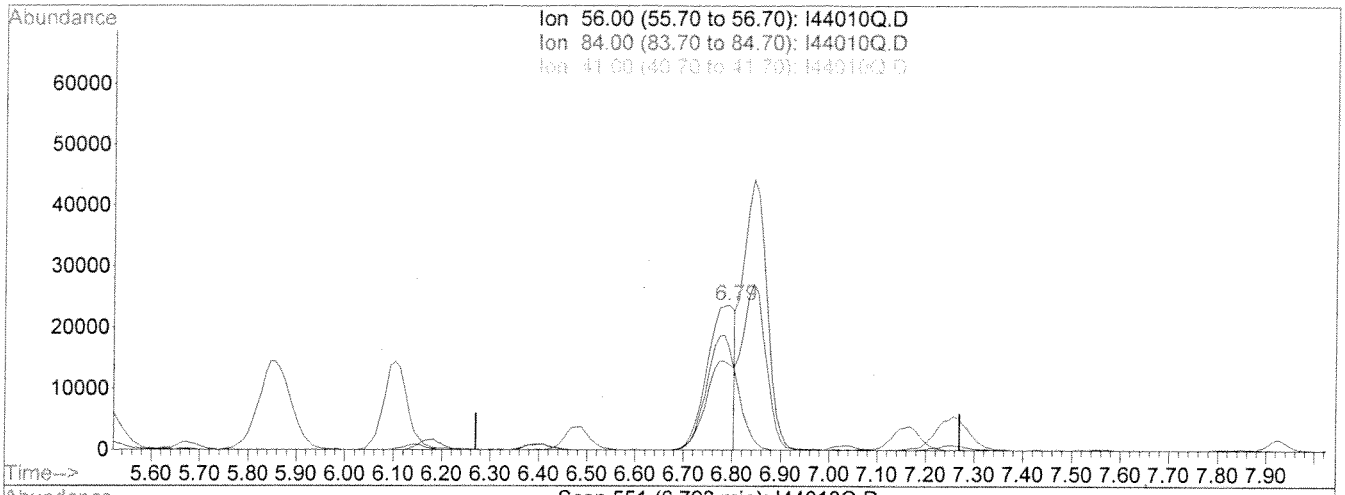
Ion	Exp%	Act%
56.00	100	100
84.00	79.50	0.00#
41.00	63.20	37.66#
0.00	0.00	0.00

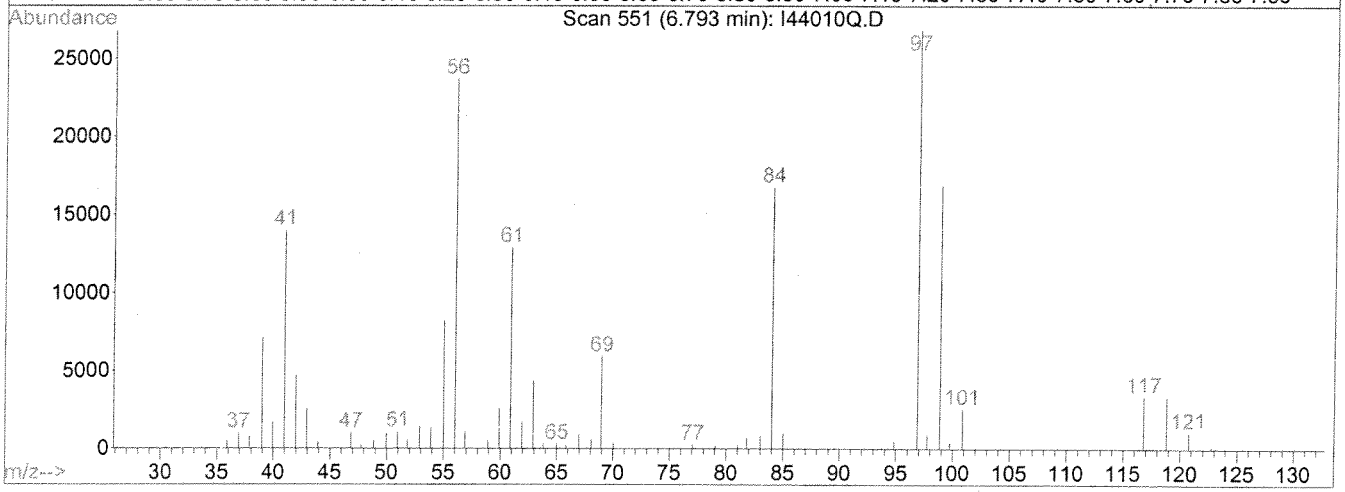
9/29/10

I44010Q.D VS09270I.M Tue Sep 28 13:56:42 2010

Data File : C:\HPCHEM\1\DATA\092710-I\I44010Q.D Vial: 17
Acq On : 27 Sep 2010 9:15 pm Operator: MT
Sample : 20 PPB ICV Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:56 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010 MT 9/29/10
Response via : Multiple Level Calibration





TIC: I44010Q.D

(44) Cyclohexane (TM)

6.79min 18.33ug/L m

response 92921

Ion	Exp%	Act%
56.00	100	100
84.00	79.50	0.00#
41.00	63.20	99.95#
0.00	0.00	0.00

J929W

I44010Q.D VS09270I.M Tue Sep 28 13:56:51 2010

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: 20 PPB ICV2
Spike: 20 PPB ICV2

MT 9/29/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
Dichlorodifluoromethane	20	80	120	0.0	21	105	
Chloromethane	20	80	120	0.0	20	98	
Vinyl Chloride	20	80	120	0.0	20	102	
Bromomethane	20	80	120	0.0	22	112	
Chloroethane	20	80	120	0.0	21	105	
t-Butyl alcohol (TBA)	100	80	120	0.0	95	95	
Trichlorofluoromethane	20	80	120	0.0	18	91	
Diethyl ether	20	80	120	0.0	21	107	
1,1,2-Trichlorotrifluoroethane	20	80	120	0.0	20	101	
Acetone	100	80	120	0.0	104	104	
1,1-Dichloroethene	20	80	120	0.0	20	102	
Methyl iodide	20	80	120	0.0	26	130	* OK ICV
Di-isopropyl ether (DIPE)	20	80	120	0.0	20	101	
Methylene Chloride	20	80	120	0.0	21	106	
Carbon Disulfide	20	80	120	0.0	22	111	
Methyl-tert-butyl ether (MTBE)	40	80	120	0.0	42	105	
trans-1,2-Dichloroethene	20	80	120	0.0	21	103	
1,1-Dichloroethane	20	80	120	0.0	20	102	
Vinyl acetate	20	80	120	0.0	19	93	
Methyl ethyl ketone	100	80	120	0.0	105	105	
Ethyl t-butyl ether (ETBE)	20	80	120	0.0	21	103	
2,2-Dichloropropane	20	80	120	0.0	21	103	
cis-1,2-Dichloroethene	20	80	120	0.0	21	107	
t-Amyl methyl ether (TAME)	20	80	120	0.0	21	103	
Chloroform	20	80	120	0.0	21	105	
Bromochloromethane	20	80	120	0.0	22	111	
Tetrahydrofuran	20	80	120	0.0	21	104	
1,1,1-Trichloroethane	20	80	120	0.0	21	106	
1,1-Dichloropropene	20	80	120	0.0	21	103	
Carbon Tetrachloride	20	80	120	0.0	21	106	
1,2-Dichloroethane	20	80	120	0.0	21	106	
Benzene	20	80	120	0.0	20	101	
Trichloroethene	20	80	120	0.0	21	104	
1,2-Dichloropropane	20	80	120	0.0	21	105	
Methylmethacrylate	20	80	120	0.0	22	109	
Methyl acetate	20	80	120	0.0	22	109	
Cyclohexane	20	80	120	0.0	18	90	
Bromodichloromethane	20	80	120	0.0	21	105	
Dibromomethane	20	80	120	0.0	21	105	
1,4-Dioxane	500	80	120	0.0	510	102	
Methylcyclohexane	20	80	120	0.0	21	104	
2-Hexanone	100	80	120	0.0	107	107	
Methyl isobutyl ketone	100	80	120	0.0	103	103	
cis-1,3-Dichloropropene	20	80	120	0.0	22	108	
Toluene	20	80	120	0.0	21	103	
trans-1,3-Dichloropropene	20	80	120	0.0	20	99	
1,1,2-Trichloroethane	20	80	120	0.0	22	108	
1,3-Dichloropropane	20	80	120	0.0	22	108	
Tetrachloroethene	20	80	120	0.0	22	112	
Dibromochloromethane	20	80	120	0.0	21	107	

J929W

VOA FORM 3

VOLATILE ORGANIC SOIL
INITIAL CALIBRATION VERIFICATION

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): Y

SDG:
Non-spiked sample: 20 PPB ICV2
Spike: 20 PPB ICV2

MT 9/29/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#
1,2-Dibromoethane	20	80	120	0.0	21	107	
Chlorobenzene	20	80	120	0.0	21	103	
1,1,1,2-Tetrachloroethane	20	80	120	0.0	21	105	
Ethylbenzene	20	80	120	0.0	20	102	
m,p-Xylene	40	80	120	0.0	41	102	
o-Xylene	20	80	120	0.0	20	102	
Styrene	20	80	120	0.0	21	106	
Bromoform	20	80	120	0.0	21	107	
Isopropylbenzene	20	80	120	0.0	18	91	
1,1,2,2-Tetrachloroethane	20	80	120	0.0	21	103	
1,2,3-Trichloropropane	20	80	120	0.0	21	105	
trans-1,4-Dichloro-2-butene	20	80	120	0.0	21	104	
n-Propylbenzene	20	80	120	0.0	20	100	
Bromobenzene	20	80	120	0.0	21	106	
1,3,5-Trimethylbenzene	20	80	120	0.0	21	103	
2-Chlorotoluene	20	80	120	0.0	21	104	
4-Chlorotoluene	20	80	120	0.0	20	98	
tert-butylbenzene	20	80	120	0.0	21	106	
1,2,4-Trimethylbenzene	20	80	120	0.0	20	99	
sec-butylbenzene	20	80	120	0.0	21	104	
p-isopropyltoluene	20	80	120	0.0	20	98	
1,3-Dichlorobenzene	20	80	120	0.0	20	101	
1,4-Dichlorobenzene	20	80	120	0.0	20	101	
n-butylbenzene	20	80	120	0.0	21	105	
1,2-Dichlorobenzene	20	80	120	0.0	21	105	
1,2-Dibromo-3-chloropropane	20	80	120	0.0	21	106	
1,2,4-Trichlorobenzene	20	80	120	0.0	21	103	
Hexachlorobutadiene	20	80	120	0.0	22	109	
Naphthalene	20	80	120	0.0	20	102	
1,2,3-Trichlorobenzene	20	80	120	0.0	22	110	
1,3,5-Trichlorobenzene	20	80	120	0.0	20	100	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 5/29/10

VOA FORM 3

Data File : C:\HPCHEM\1\DATA\092710-I\I44011Q.D
Acq On : 27 Sep 2010 9:44 pm
Sample : 20 PPB ICV2
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 13:59 2010

Vial: 18
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	113034	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	7.92	114	209787 ✓	20.00	ug/L	0.00
63) *d5-Chlorobenzene	12.56	117	182438 ✓	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.38	152	78006	20.00	ug/L	0.00

System Monitoring Compounds						
28) DB HOLDER #28	7.29	65	98692	20.43	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.15% ✓			
36) d4-1,2-Dichloroethane	7.29	65	98692	20.43	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.15% ✓			
54) d8-Toluene	10.23	98	224394	19.90	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 99.50% ✓			
73) Bromofluorobenzene	14.50	95	93858	20.15	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.75% ✓			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.48	85	83242	21.00	ug/L	99
3) Chloromethane	1.67	50	67095	19.59	ug/L	98
4) Vinyl Chloride	1.76	62	61620	20.48	ug/L	97
5) Bromomethane	2.15	94	53022	22.49	ug/L	100
6) Chloroethane	2.23	64	34913	20.93	ug/L	91
7) t-Butyl alcohol (TBA)	3.29	59	48013	94.76	ug/L	97
8) Trichlorofluoromethane	2.47	101	108648	18.16	ug/L	94
9) Diethyl ether	2.80	74	31275	21.42	ug/L	96
10) 1,1,2-Trichlorotrifluoroet	2.96	101	64323	20.17	ug/L	98
12) Acetone	3.04	43	137844	104.44	ug/L	100
13) 1,1-Dichloroethene	3.16	96	55377	20.48	ug/L	97
14) Methyl iodide	3.56	142	108198	26.00	ug/L	100
15) Di-isopropyl ether (DIPE)	4.84	45	219230	20.15	ug/L	100
16) Methylene Chloride	3.83	84	88311	21.24	ug/L	98
17) Carbon Disulfide	3.79	76	197400	22.21	ug/L	100
18) Acrylonitrile	4.04	53	27629	22.39	ug/L	97
19) Methyl-tert-butyl ether (M	4.08	73	377758	42.19	ug/L	98
20) trans-1,2-Dichloroethene	4.28	96	67109	20.59	ug/L	99
21) 1,1-Dichloroethane	4.97	63	124280	20.34	ug/L	97
22) Vinyl acetate	5.02	86	8778	18.59	ug/L	70
23) Methyl ethyl ketone	5.68	72	38192	104.80	ug/L	89
24) Ethyl t-butyl ether (ETBE)	5.50	59	228547	20.53	ug/L	98
25) 2,2-Dichloropropane	5.85	77	100587	20.54	ug/L	98
26) cis-1,2-Dichloroethene	5.93	96	76655	21.46	ug/L	97
27) t-Amyl methyl ether (TAME)	7.25	73	178227	20.64	ug/L	98
29) Chloroform	6.18	83	129525	21.06	ug/L	98
30) Bromochloromethane	6.43	128	39060	22.14	ug/L #	84

(#) = qualifier out of range (m) = manual integration

D929W

Data File : C:\HPCHEM\1\DATA\092710-I\I44011Q.D Vial: 18
Acq On : 27 Sep 2010 9:44 pm Operator: MT
Sample : 20 PPB ICV2 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:59 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/28/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.47	71	8275	20.76 ug/L	95
32)	1,1,1-Trichloroethane	6.78	97	107711	21.12 ug/L	95
34)	1,1-Dichloropropene	7.03	75	89499	20.53 ug/L	97
35)	Carbon Tetrachloride	7.15	119	87235	21.23 ug/L	95
37)	1,2-Dichloroethane	7.43	62	120213	21.16 ug/L	99
38)	Benzene	7.43	78	219593	20.29 ug/L	98
40)	Trichloroethene	8.39	95	71594	20.74 ug/L	94
41)	1,2-Dichloropropane	8.66	63	65867	20.90 ug/L	97
42)	Methylmethacrylate	8.83	69	46761	21.88 ug/L	99
43)	Methyl acetate	3.64	43	70484	21.90 ug/L #	97
44)	Cyclohexane	6.78	56	88373	17.97 ug/L	93
45)	Bromodichloromethane	9.02	83	99366	20.94 ug/L	98
46)	Dibromomethane	9.09	93	58364	20.90 ug/L	95
47)	1,4-Dioxane	9.08	88	22174	509.67 ug/L	95
48)	Methylcyclohexane	8.45	83	95981	20.86 ug/L	97
51)	2-Hexanone	10.96	58	150357	106.89 ug/L	96
52)	Methyl isobutyl ketone	9.61	58	145853	102.50 ug/L	96
53)	cis-1,3-Dichloropropene	9.88	75	108310	21.67 ug/L	98
55)	Toluene	10.35	92	143232	20.66 ug/L	99
56)	trans-1,3-Dichloropropene	10.67	75	97188	19.80 ug/L	99
58)	1,1,2-Trichloroethane	10.90	83	51502	21.65 ug/L	99
59)	1,3-Dichloropropane	11.29	76	98708	21.58 ug/L	98
60)	Tetrachloroethene	11.34	166	67348	22.49 ug/L	97
61)	Dibromochloromethane	11.65	129	75951	21.31 ug/L	94
62)	1,2-Dibromoethane	11.95	107	76810	21.46 ug/L	99
64)	Chlorobenzene	12.62	112	172733	20.68 ug/L	96
65)	1,1,1,2-Tetrachloroethane	12.70	131	61469	21.08 ug/L	95
66)	Ethylbenzene	12.72	91	273527	20.47 ug/L	99
67)	m,p-Xylene	12.85	106	203841	40.63 ug/L	97
68)	o-Xylene	13.53	106	100185	20.43 ug/L	88
69)	Styrene	13.59	104	183389	21.28 ug/L	99
70)	Bromoform	14.08	173	46729	21.44 ug/L	99
71)	Isopropylbenzene	14.11	105	231496	18.18 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.40	83	79943	20.53 ug/L	97
74)	1,2,3-Trichloropropane	14.62	75	63055	20.99 ug/L	95
75)	trans-1,4-Dichloro-2-buten	14.77	88	13140	20.89 ug/L #	43
76)	n-Propylbenzene	14.75	91	314703	20.07 ug/L	97
77)	Bromobenzene	14.77	156	65851	21.10 ug/L	91
78)	1,3,5-Trimethylbenzene	15.01	105	215086	20.51 ug/L	99
79)	2-Chlorotoluene	15.00	91	219069	20.84 ug/L	98
80)	4-Chlorotoluene	15.09	91	191294	19.65 ug/L	96
81)	tert-butylbenzene	15.58	119	187382	21.27 ug/L	98

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092710-I\I44011Q.D
Acq On : 27 Sep 2010 9:44 pm
Sample : 20 PPB ICV2
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 13:59 2010

Vial: 18
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82) 1,2,4-Trimethylbenzene	15.63	105	219826	19.82 ug/L	99
83) Pentachloroethane	15.64	167	31533	18.78 ug/L	99
84) sec-butylbenzene	15.91	105	283267	20.77 ug/L	100
85) p-isopropyltoluene	16.15	119	210264	19.59 ug/L	98
86) 1,3-Dichlorobenzene	16.25	146	110194	20.14 ug/L	98
88) 1,4-Dichlorobenzene	16.43	146	111861	20.17 ug/L	99
89) n-butylbenzene	16.81	91	226500	21.10 ug/L	98
90) 1,2-Dichlorobenzene	17.01	146	106448	20.97 ug/L	99
92) 1,2-Dibromo-3-chloropropan	18.30	75	15736	21.20 ug/L	92
94) 1,2,4-Trichlorobenzene	19.72	180	73447	20.58 ug/L	93
95) Hexachlorobutadiene	19.98	225	32537	21.73 ug/L	97
96) Naphthalene	20.12	128	133265	20.33 ug/L	95
97) 1,2,3-Trichlorobenzene	20.54	180	69454	21.98 ug/L	97
98) 1,3,5-Trichlorobenzene	18.68	180	78056	19.97 ug/L	99

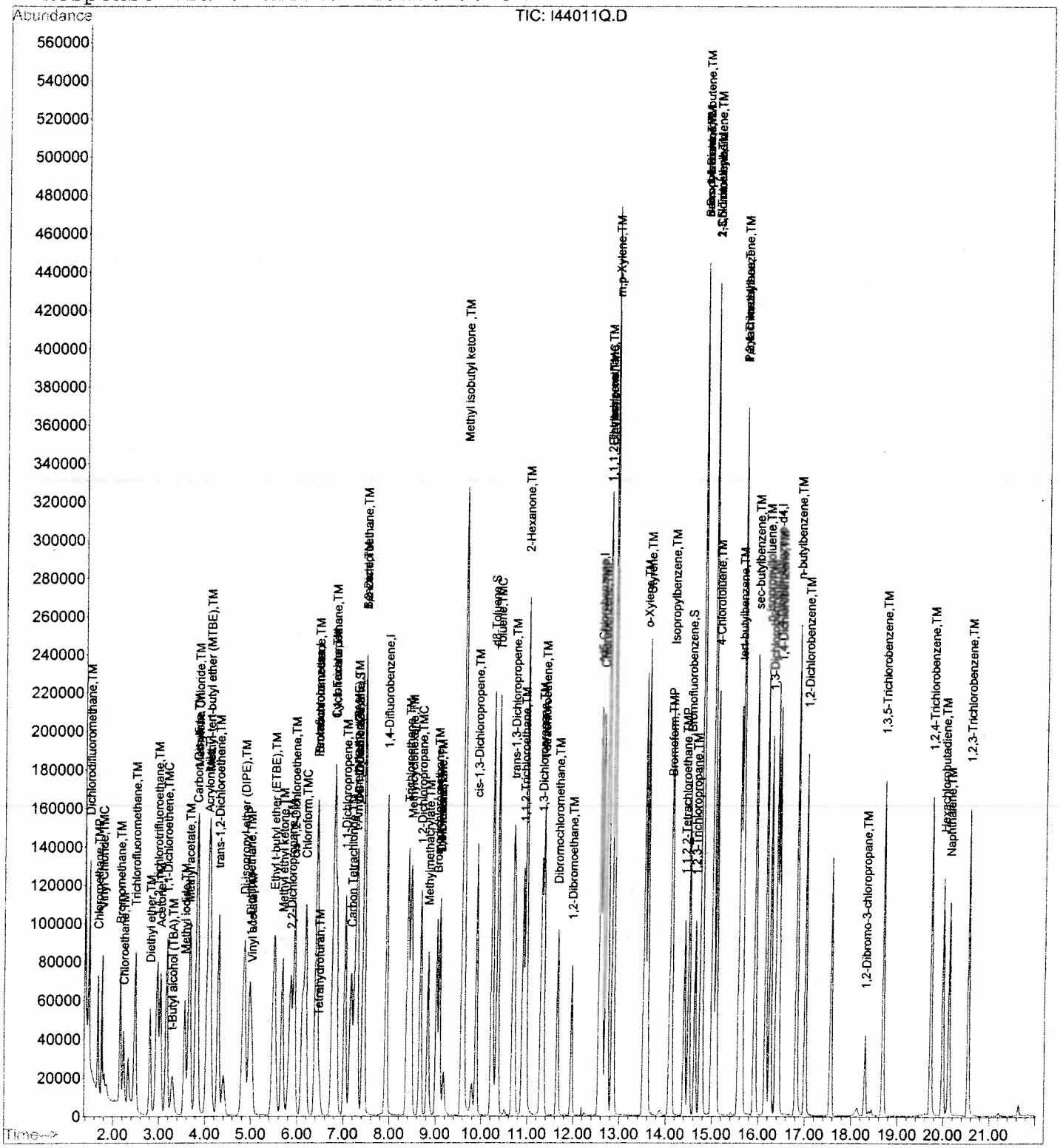
JF 29 10

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092710-I\I44011Q.D Vial: 18
Acq On : 27 Sep 2010 9:44 pm Operator: MT
Sample : 20 PPB ICV2 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 13:59 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

*RR

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓98	0.02
2	TM	Dichlorodifluoromethane	0.701	0.739	-5.4	109	0.00
3	TMP	Chloromethane	0.606	0.602✓	0.7	106	0.00
4	TMC	Vinyl Chloride	0.532	0.557	✓-4.7	108	0.00
5	TM	Bromomethane	0.417	0.475	-13.9	126	0.00
6	TM	Chloroethane	0.295	0.309	-4.7	105	0.01
7	TM	t-Butyl alcohol (TBA)	0.090	0.111	MT -23.3#	111	0.02
8	TM	Trichlorofluoromethane	1.059	1.143	-7.9	111	0.00
9	TM	Diethyl ether	0.258	0.287	-11.2	109	0.00
10	TM	1,1,2-Trichlorotrifluoroeth	0.564	0.637	-12.9	113	0.02
11	T	Acrolein	0.000	0.000#	0.0	106	0.02
12	TM	Acetone	0.234	0.278	-18.8	113	0.01
13	TMC	1,1-Dichloroethene	0.478	0.544	✓-13.8	116	0.00
14	TM	Methyl iodide	0.736	0.820	-11.4	113	0.01
15	TM	Di-isopropyl ether (DIPE)	1.925	2.079	-8.0	108	0.02
16	TM	Methylene Chloride	1.587	0.988	Lin 142% ~~37.7#~~	132	0.02
17	TM	Carbon Disulfide	1.572	1.712	-8.9	111	0.02
18	T	Acrylonitrile	0.218	0.257	-17.9	107	0.00
19	TM	Methyl-tert-butyl ether (MT	1.584	1.773	-11.9	110	0.03
20	TM	trans-1,2-Dichloroethene	0.577	0.638	-10.6	115	0.00
21	TMP	1,1-Dichloroethane	1.081	1.179✓	-9.1	111	0.02
22	TM	Vinyl acetate	0.084	0.098#	-16.7	110	0.01
23	TM	Methyl ethyl ketone	0.064	0.078#	120% 21.9#	108	0.02
24	TM	Ethyl t-butyl ether (ETBE)	1.969	2.160	-9.7	108	0.00
25	TM	2,2-Dichloropropane	0.866	0.969	-11.9	114	0.03
26	TM	cis-1,2-Dichloroethene	0.632	0.698	-10.4	112	0.00
27	TM	t-Amyl methyl ether (TAME)	1.528	1.698	-11.1	109	0.00
28	S	DB HOLDER #28	0.855	0.895	-4.7	102	0.00
29	TMC	Chloroform	1.088	1.189	✓-9.3	111	0.02
30	TM	Bromochloromethane	0.312	0.349	-11.9	106	0.02
31	TM	Tetrahydrofuran	0.071	0.081#	-14.1	108	0.00
32	TM	1,1,1-Trichloroethane	0.902	1.018	-12.9	114	0.02
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.771	0.847	-9.9	113	0.02
35	TM	Carbon Tetrachloride	0.727	0.815	-12.1	114	0.00
36	S	d4-1,2-Dichloroethane	0.855	0.895	-4.7	102	0.00
37	TM	1,2-Dichloroethane	1.005	1.107	-10.1	109	0.00
38	TM	Benzene	1.915	2.059	-7.5	109	0.02
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓99	0.02
40	TM	Trichloroethene	0.329	0.364	-10.6	112	0.00
41	TMC	1,2-Dichloropropane	0.300	0.324	✓-8.0	112	0.02

(#) = Out of Range

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil MT 9/29/10
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.204	0.234	-14.7	109	0.00
43	TM	Methyl acetate	0.307	0.328	-6.8	109	0.00
44	TM	Cyclohexane	0.469	0.510	-8.7	111	0.03
45	TM	Bromodichloromethane	0.452	0.491	-8.6	109	0.00
46	TM	Dibromomethane	0.266	0.292	-9.8	108	0.00
47	TM	1,4-Dioxane	0.004	0.005#	MT -25.0#	109	0.00
48	TM	Methylcyclohexane	0.439	0.492	-12.1	114	0.02
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	109	0.00
51	TM	2-Hexanone	0.134	0.162 121%	-20.9#	111	0.00
52	TM	Methyl isobutyl ketone	0.136	0.161	-18.4	110	0.00
53	TM	cis-1,3-Dichloropropene	0.477	0.512	-7.3	109	0.02
54	S	d8-Toluene	1.075	1.081	-0.6	99	0.00
55	TMC	Toluene	0.661	0.705	✓-6.7	110	0.02
56	TM	trans-1,3-Dichloropropene	0.468	0.528	-12.8	112	0.02
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.227	0.252	-11.0	107	0.00
59	TM	1,3-Dichloropropane	0.436	0.479	-9.9	108	0.02
60	TM	Tetrachloroethene	0.285	0.327	-14.7	117	0.00
61	TM	Dibromochloromethane	0.340	0.382	-12.4	109	0.02
62	TM	1,2-Dibromoethane	0.341	0.386	-13.2	110	0.02
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓98	0.00
64	TMP	Chlorobenzene	0.916	1.004✓	-9.6	111	0.02
65	TM	1,1,1,2-Tetrachloroethane	0.320	0.346	-8.1	110	0.02
66	TMC	Ethylbenzene	1.465	1.624	✓-10.9	112	0.00
67	TM	m,p-Xylene	0.550	0.591	-7.5	110	0.02
68	TM	o-Xylene	0.538	0.578	-7.4	107	0.00
69	TM	Styrene	0.945	1.045	-10.6	110	0.02
70	TMP	Bromoform	0.239	0.275✓	-15.1	110	0.00
71	TM	Isopropylbenzene	1.396	1.536	-10.0	112	0.02
72	TMP	1,1,2,2-Tetrachloroethane	0.427	0.475✓	-11.2	107	0.02
73	S	Bromofluorobenzene	0.511	0.515	-0.8	100	0.00
74	TM	1,2,3-Trichloropropane	0.329	0.355	-7.9	105	0.02
75	TM	trans-1,4-Dichloro-2-butene	0.069	0.087#	MT -26.1#	112	0.02
76	TM	n-Propylbenzene	1.719	1.899	-10.5	111	0.02
77	TM	Bromobenzene	0.342	0.377	-10.2	111	0.00
78	TM	1,3,5-Trimethylbenzene	1.149	1.259	-9.6	112	0.00
79	TM	2-Chlorotoluene	1.152	1.222	-6.1	109	0.02
80	TM	4-Chlorotoluene	1.067	1.155	-8.2	109	0.00
81	TM	tert-butylbenzene	0.966	1.046	-8.3	106	0.00
82	TM	1,2,4-Trimethylbenzene	1.216	1.338	-10.0	111	0.02

(#) = Out of Range JG 29 9 10
I44014SC.D VS09270I.M Wed Sep 29 07:36:49 2010 Page 2

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.184	0.196	-6.5	106	0.01
84	TM	sec-butylbenzene	1.495	1.667	-11.5	114	0.02
85	TM	p-isopropyltoluene	1.176	1.308	-11.2	112	0.02
86	TM	1,3-Dichlorobenzene	0.600	0.665	-10.8	112	0.02
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓96	0.02
88	TM	1,4-Dichlorobenzene	1.422	1.600	-12.5	115	0.02
89	TM	n-butylbenzene	2.752	3.208	-16.6	115	0.02
90	TM	1,2-Dichlorobenzene	1.301	1.456	-11.9	110	0.02
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.190	0.239 12c%	-25.8#	114	0.02
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.915	1.048	-14.5	113	0.02
95	TM	Hexachlorobutadiene	0.384	0.454	-18.2	115	0.02
96	TM	Naphthalene	1.510	1.855Q 110%	~~-22.8~~#	110	0.02
97	TM	1,2,3-Trichlorobenzene	0.810	0.935	-15.4	112	0.02
98	TM	1,3,5-Trichlorobenzene	1.002	1.172	-17.0	116	0.02

9/29/10

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I44014SC.D VS09270I.M Wed Sep 29 07:36:49 2010 Page 3

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	I44014SC.D
0=LINEAR	Date Acquired	9/28/2010 8:19
3=QUADRATIC	Sample Name	20 PPB

MT 9/29/10

METHOD: C:\HPCHEM\1\METHODS\VS09270I.M

*RR

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	21.09	20	5.4%	NA	OK
1	Chloromethane	19.86	20	0.7%	NA	OK
1	Vinyl Chloride	20.93	20	4.7%	NA	OK
1	Bromomethane	22.77	20	13.9%	NA	OK
1	Chloroethane	20.92	20	4.6%	NA	OK
1	t-Butyl alcohol (TBA)	124.36	100	24.4%	NA	* MT
1	Trichlorofluoromethane	21.59	20	7.9%	NA	OK
1	Diethyl ether	22.26	20	11.3%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	22.57	20	12.8%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	* MT
1	Acetone	118.97	100	19.0%	NA	OK
1	1,1-Dichloroethene	22.74	20	13.7%	NA	OK
1	Methyl iodide	22.26	20	11.3%	NA	OK
1	Di-isopropyl ether (DIPE)	21.60	20	8.0%	NA	OK
0	Methylene Chloride	28.50	20	42.5%		*
1	Carbon Disulfide	21.77	20	8.9%	NA	OK
1	Acrylonitrile	23.54	20	17.7%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	22.39	20	12.0%	NA	OK
1	trans-1,2-Dichloroethene	22.13	20	10.7%	NA	OK
1	1,1-Dichloroethane	21.81	20	9.1%	NA	OK
1	Vinyl acetate	23.45	20	17.3%	NA	OK
1	Methyl ethyl ketone	120.45	100	20.4%	NA	*
1	Ethyl t-butyl ether (ETBE)	21.94	20	9.7%	NA	OK
1	2,2-Dichloropropane	22.38	20	11.9%	NA	OK
1	cis-1,2-Dichloroethene	22.09	20	10.4%	NA	OK
1	t-Amyl methyl ether (TAME)	22.23	20	11.2%	NA	OK
1	Chloroform	21.84	20	9.2%	NA	OK
1	Bromochloromethane	22.38	20	11.9%	NA	OK
1	Tetrahydrofuran	23.02	20	15.1%	NA	OK
1	1,1,1-Trichloroethane	22.56	20	12.8%	NA	OK
1	~~NO COMPOUND~~	0.00	1000	100.0%	NA	
1	1,1-Dichloropropene	21.95	20	9.7%	NA	OK
1	Carbon Tetrachloride	22.43	20	12.1%	NA	OK
1	d4-1,2-Dichloroethane	20.94	20	4.7%	NA	OK
1	1,2-Dichloroethane	22.02	20	10.1%	NA	OK
1	Benzene	21.51	20	7.5%	NA	OK
1	Trichloroethene	22.11	20	10.6%	NA	OK
1	1,2-Dichloropropane	21.57	20	7.8%	NA	OK
1	Methylmethacrylate	22.94	20	14.7%	NA	OK
1	Methyl acetate	21.35	20	6.7%	NA	OK

D92910

MT 9/29/10

1	Cyclohexane	21.74	20	8.7%	NA	OK
1	Bromodichloromethane	21.69	20	8.4%	NA	OK
1	Dibromomethane	21.96	20	9.8%	NA	OK
1	1,4-Dioxane	598.09	500	19.6%	NA	OK
1	Methylcyclohexane	22.41	20	12.1%	NA	OK
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	* MT
1	2-Hexanone	120.89	100	20.9%	NA	*
1	Methyl isobutyl ketone	118.82	100	18.8%	NA	OK
1	cis-1,3-Dichloropropene	21.50	20	7.5%	NA	OK
1	d8-Toluene	20.11	20	0.6%	NA	OK
1	Toluene	21.33	20	6.6%	NA	OK
1	trans-1,3-Dichloropropene	22.57	20	12.8%	NA	OK
1	1,1,2-Trichloroethane	22.22	20	11.1%	NA	OK
1	1,3-Dichloropropane	21.96	20	9.8%	NA	OK
1	Tetrachloroethene	22.90	20	14.5%	NA	OK
1	Dibromochloromethane	22.47	20	12.3%	NA	OK
1	1,2-Dibromoethane	22.63	20	13.2%	NA	OK
1	Chlorobenzene	21.93	20	9.6%	NA	OK
1	1,1,1,2-Tetrachloroethane	21.66	20	8.3%	NA	OK
1	Ethylbenzene	22.17	20	10.8%	NA	OK
1	m,p-Xylene	42.97	40	7.4%	NA	OK
1	o-Xylene	21.52	20	7.6%	NA	OK
1	Styrene	22.12	20	10.6%	NA	OK
1	Bromoform	22.99	20	15.0%	NA	OK
1	Isopropylbenzene	22.01	20	10.0%	NA	OK
1	1,1,2,2-Tetrachloroethane	22.27	20	11.4%	NA	OK
1	Bromofluorobenzene	20.17	20	0.8%	NA	OK
1	1,2,3-Trichloropropane	21.57	20	7.9%	NA	OK
1	trans-1,4-Dichloro-2-butene	25.37	20	26.8%	NA	* MT
1	n-Propylbenzene	22.10	20	10.5%	NA	OK
1	Bromobenzene	22.03	20	10.1%	NA	OK
1	1,3,5-Trimethylbenzene	21.91	20	9.5%	NA	OK
1	2-Chlorotoluene	21.21	20	6.0%	NA	OK
1	4-Chlorotoluene	21.64	20	8.2%	NA	OK
1	tert-butylbenzene	21.66	20	8.3%	NA	OK
1	1,2,4-Trimethylbenzene	22.02	20	10.1%	NA	OK
1	Pentachloroethane	21.32	20	6.6%	NA	OK
1	sec-butylbenzene	22.31	20	11.5%	NA	OK
1	p-isopropyltoluene	22.24	20	11.2%	NA	OK
1	1,3-Dichlorobenzene	22.18	20	10.9%	NA	OK
1	1,4-Dichlorobenzene	22.50	20	12.5%	NA	OK
1	n-butylbenzene	23.31	20	16.6%	NA	OK
1	1,2-Dichlorobenzene	22.38	20	11.9%	NA	OK
1	1,2-Dibromo-3-chloropropane	25.16	20	25.8%	NA	*
1	1,2,4-Trichlorobenzene	22.90	20	14.5%	NA	OK
1	Hexachlorobutadiene	23.67	20	18.4%	NA	OK
3	Naphthalene	21.95	20	9.8%		OK
1	1,2,3-Trichlorobenzene	23.09	20	15.4%	NA	OK
1	1,3,5-Trichlorobenzene	23.39	20	16.9%	NA	OK

9/29/10

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 7:36 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	113444	20.00	ug/L	0.02
39) 1,4-Difluorobenzene	7.94	114	212923 ✓	20.00	ug/L	0.02
63) *d5-Chlorobenzene	12.57	117	181479	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.40	152	77416	20.00	ug/L	0.02

System Monitoring Compounds						
28) DB HOLDER #28	7.30	65	101513	20.94	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.70% ✓			
36) d4-1,2-Dichloroethane	7.30	65	101513	20.94	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 104.70% ✓			
54) d8-Toluene	10.24	98	230142	20.11	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.55% ✓			
73) Bromofluorobenzene	14.50	95	93461	20.17	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.85% ✓			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.49	85	83871	21.09	ug/L	98
3) Chloromethane	1.68	50	68285	19.86	ug/L	99
4) Vinyl Chloride	1.76	62	63229	20.93	ug/L	96
5) Bromomethane	2.16	94	53872	22.77	ug/L	99
6) Chloroethane	2.24	64	35013	20.92	ug/L	87
7) t-Butyl alcohol (TBA)	3.30	59	63236	124.36	ug/L	100
8) Trichlorofluoromethane	2.48	101	129627	21.59	ug/L	98
9) Diethyl ether	2.81	74	32615	22.26	ug/L	96
10) 1,1,2-Trichlorotrifluoroet	2.97	101	72237	22.57	ug/L	99
12) Acetone	3.04	43	157595	118.97	ug/L	100
13) 1,1-Dichloroethene	3.17	96	61700	22.74	ug/L	97
14) Methyl iodide	3.57	142	92969	22.26	ug/L	99
15) Di-isopropyl ether (DIPE)	4.85	45	235866	21.60	ug/L	99
16) Methylene Chloride	3.84	84	112075	28.50	ug/L	99
17) Carbon Disulfide	3.81	76	194195	21.77	ug/L	100
18) Acrylonitrile	4.05	53	29163	23.54	ug/L	98
19) Methyl-tert-butyl ether (M	4.10	73	201191	22.39	ug/L	98
20) trans-1,2-Dichloroethene	4.30	96	72387	22.13	ug/L	99
21) 1,1-Dichloroethane	4.99	63	133749	21.81	ug/L	98
22) Vinyl acetate	5.04	86	11114	23.45	ug/L	83
23) Methyl ethyl ketone	5.69	72	44054	120.45	ug/L	93
24) Ethyl t-butyl ether (ETBE)	5.50	59	245031	21.94	ug/L	99
25) 2,2-Dichloropropane	5.87	77	109971	22.38	ug/L	95
26) cis-1,2-Dichloroethene	5.94	96	79186	22.09	ug/L	95
27) t-Amyl methyl ether (TAME)	7.26	73	192627	22.23	ug/L	97
29) Chloroform	6.19	83	134840	21.84	ug/L	96
30) Bromochloromethane	6.43	128	39619	22.38	ug/L #	86

(#) = qualifier out of range (m) = manual integration D92910

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D
Acq On : 28 Sep 2010 8:19 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 29 7:36 2010

Vial: 3
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.49	71	9206	23.02 ug/L	98
32)	1,1,1-Trichloroethane	6.80	97	115466	22.56 ug/L	96
34)	1,1-Dichloropropene	7.05	75	96048	21.95 ug/L	96
35)	Carbon Tetrachloride	7.17	119	92462	22.43 ug/L	96
37)	1,2-Dichloroethane	7.45	62	125560	22.02 ug/L	100
38)	Benzene	7.45	78	233590	21.51 ug/L	99
40)	Trichloroethene	8.40	95	77467	22.11 ug/L	97
41)	1,2-Dichloropropane	8.68	63	68964	21.57 ug/L	99
42)	Methylmethacrylate	8.84	69	49763	22.94 ug/L	98
43)	Methyl acetate	3.65	43	69737	21.35 ug/L	98
44)	Cyclohexane	6.80	56	108509	21.74 ug/L	98
45)	Bromodichloromethane	9.03	83	104459	21.69 ug/L	100
46)	Dibromomethane	9.09	93	62216	21.96 ug/L	99
47)	1,4-Dioxane	9.09	88	26410	598.09 ug/L	99
48)	Methylcyclohexane	8.47	83	104652	22.41 ug/L	99
51)	2-Hexanone	10.97	58	172594	120.89 ug/L	96
52)	Methyl isobutyl ketone	9.62	58	171602	118.82 ug/L	98
53)	cis-1,3-Dichloropropene	9.90	75	109095	21.50 ug/L	100
55)	Toluene	10.37	92	150117	21.33 ug/L	95
56)	trans-1,3-Dichloropropene	10.69	75	112416	22.57 ug/L	98
58)	1,1,2-Trichloroethane	10.91	83	53640	22.22 ug/L	97
59)	1,3-Dichloropropane	11.31	76	101950	21.96 ug/L	99
60)	Tetrachloroethene	11.35	166	69598	22.90 ug/L	97
61)	Dibromochloromethane	11.67	129	81255	22.47 ug/L	95
62)	1,2-Dibromoethane	11.97	107	82201	22.63 ug/L	99
64)	Chlorobenzene	12.63	112	182217	21.93 ug/L	98
65)	1,1,1,2-Tetrachloroethane	12.72	131	62824	21.66 ug/L	94
66)	Ethylbenzene	12.74	91	294660	22.17 ug/L	98
67)	m,p-Xylene	12.87	106	214472	42.97 ug/L	97
68)	o-Xylene	13.54	106	104970	21.52 ug/L	92
69)	Styrene	13.61	104	189647	22.12 ug/L	98
70)	Bromoform	14.09	173	49843	22.99 ug/L	99
71)	Isopropylbenzene	14.13	105	278705	22.01 ug/L	95
72)	1,1,2,2-Tetrachloroethane	14.42	83	86252	22.27 ug/L	95
74)	1,2,3-Trichloropropane	14.64	75	64481	21.57 ug/L	100
75)	trans-1,4-Dichloro-2-buten	14.79	88	15872	25.37 ug/L	82
76)	n-Propylbenzene	14.77	91	344668	22.10 ug/L	96
77)	Bromobenzene	14.78	156	68390	22.03 ug/L	97
78)	1,3,5-Trimethylbenzene	15.03	105	228503	21.91 ug/L	98
79)	2-Chlorotoluene	15.02	91	221709	21.21 ug/L	98
80)	4-Chlorotoluene	15.10	91	209573	21.64 ug/L	98
81)	tert-butylbenzene	15.59	119	189762m	21.66 ug/L	

(#) = qualifier out of range (m) = manual integration

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D
Acq On : 28 Sep 2010 8:19 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 29 7:36 2010

Vial: 3
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82) 1,2,4-Trimethylbenzene	15.65	105	242903	22.02 ug/L	99
83) Pentachloroethane	15.65	167	35603	21.32 ug/L	99
84) sec-butylbenzene	15.93	105	302572	22.31 ug/L	98
85) p-isopropyltoluene	16.17	119	237405	22.24 ug/L	98
86) 1,3-Dichlorobenzene	16.27	146	120751	22.18 ug/L	97
88) 1,4-Dichlorobenzene	16.45	146	123827	22.50 ug/L	96
89) n-butylbenzene	16.83	91	248344	23.31 ug/L	98
90) 1,2-Dichlorobenzene	17.03	146	112735	22.38 ug/L	98
92) 1,2-Dibromo-3-chloropropan	18.32	75	18537	25.16 ug/L	90
94) 1,2,4-Trichlorobenzene	19.75	180	81107	22.90 ug/L	95
95) Hexachlorobutadiene	20.00	225	35180	23.67 ug/L	96
96) Naphthalene	20.14	128	143568	21.95 ug/L	97
97) 1,2,3-Trichlorobenzene	20.55	180	72393	23.09 ug/L	98
98) 1,3,5-Trichlorobenzene	18.70	180	90694	23.39 ug/L	100

J 9/29/10

(#) = qualifier out of range (m) = manual integration

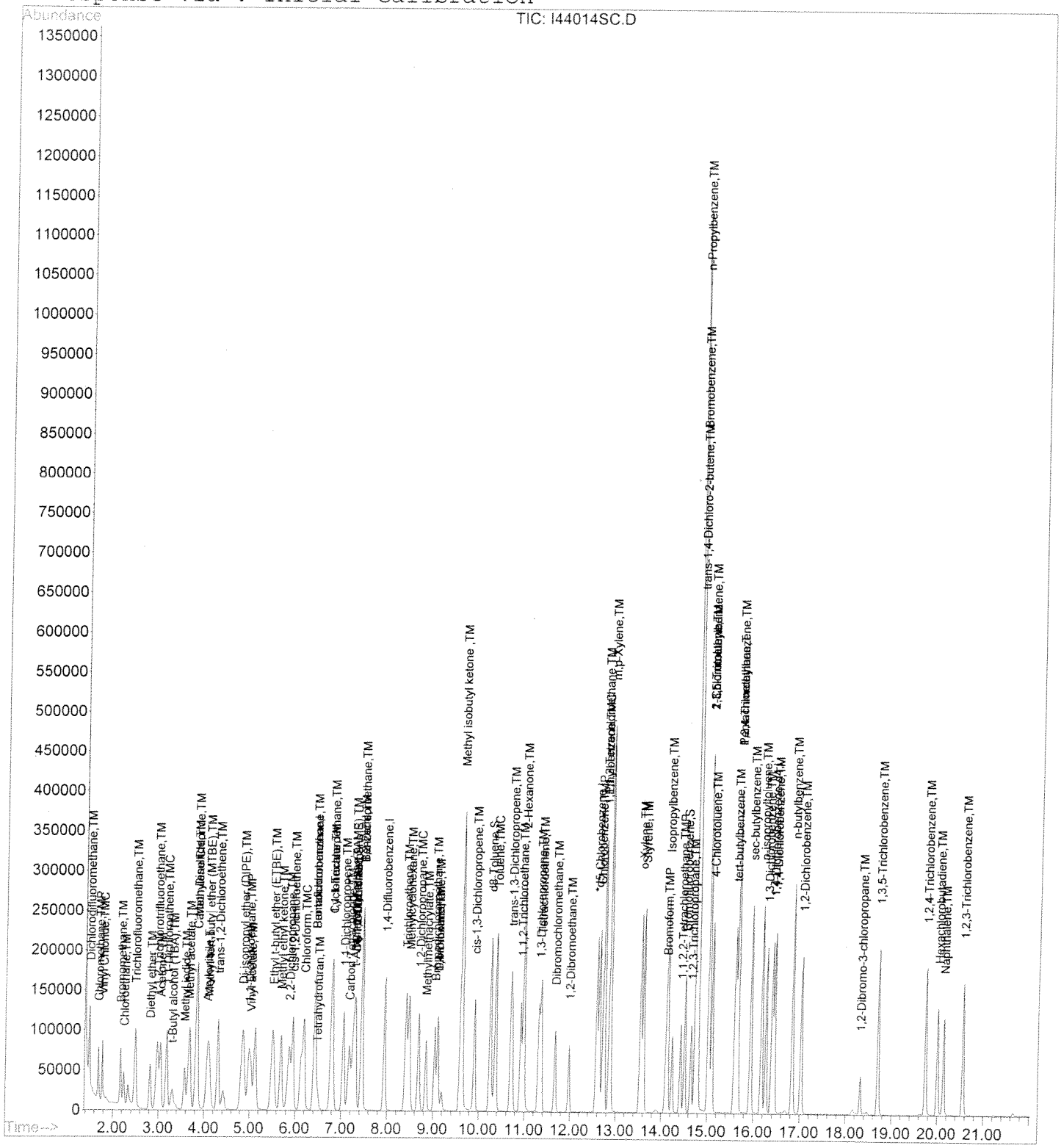
Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D
Acq On : 28 Sep 2010 8:19 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 29 7:36 2010

Vial: 3
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

MT 9/29/10



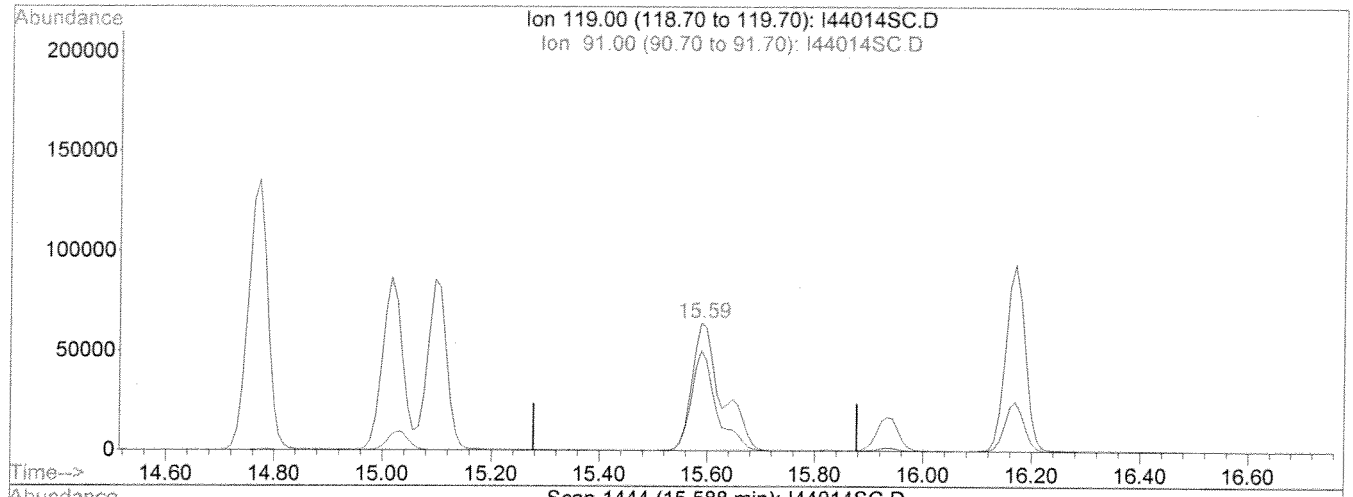
9/29/10

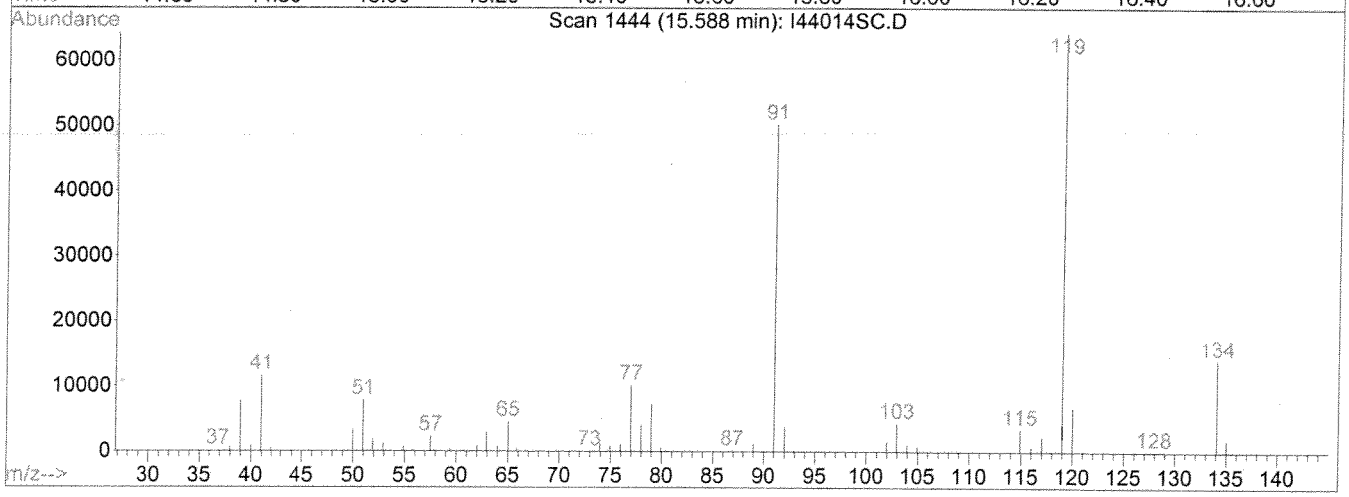
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10
co-elea.





TIC: I44014SC.D

(81) tert-butylbenzene (TM)

15.59min 28.44ug/L

response 249188

Ion	Exp%	Act%
119.00	100	100
91.00	75.50	77.98
0.00	0.00	0.00
0.00	0.00	0.00

JG 29W

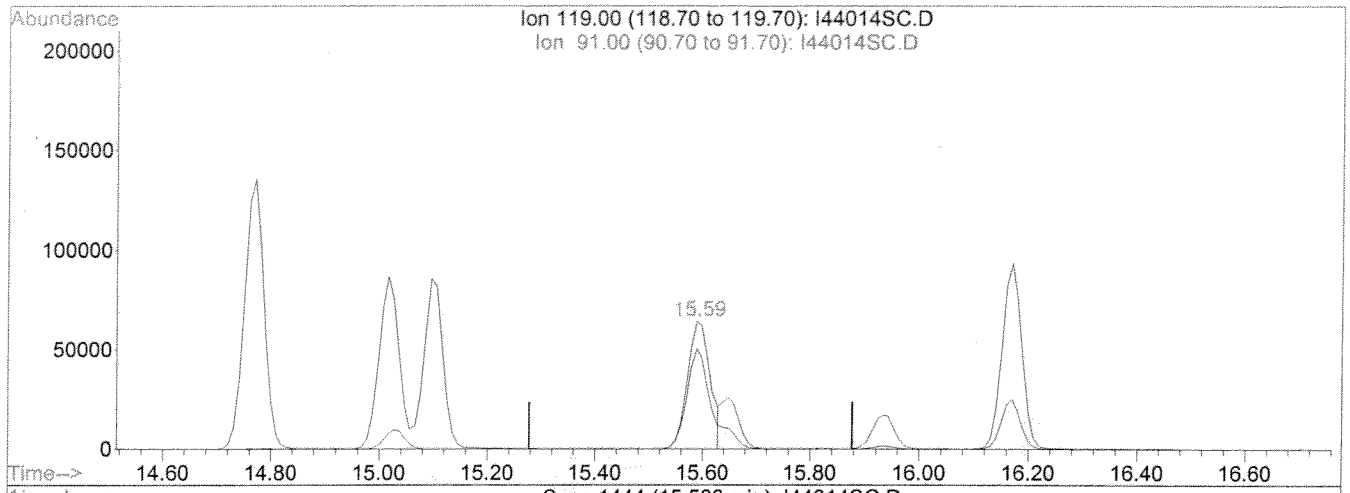
I44014SC.D VS09270I.M Wed Sep 29 07:36:37 2010

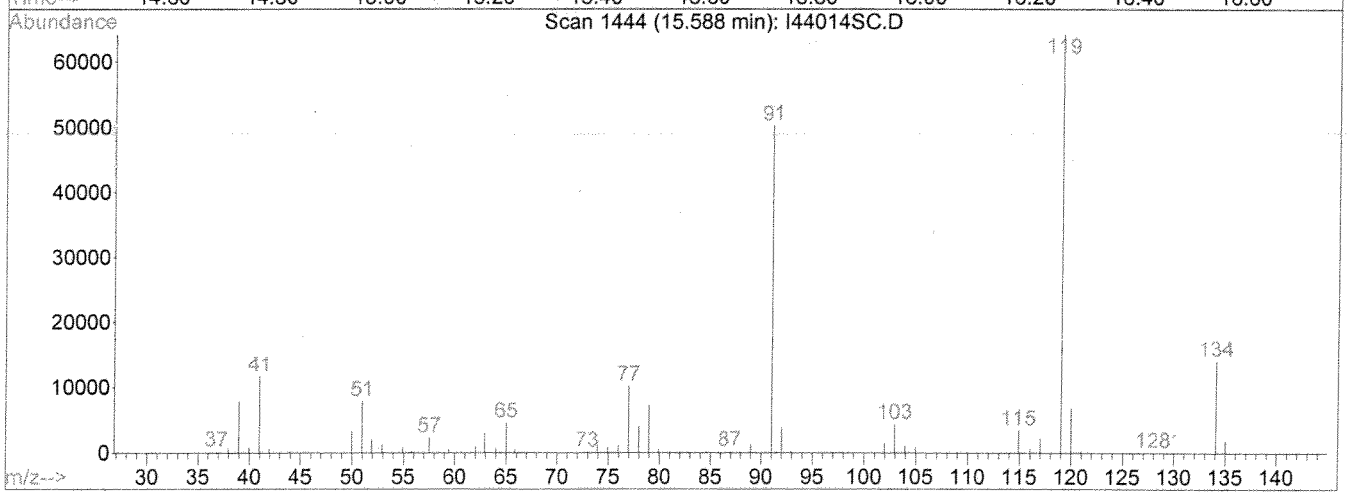
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\092810-I\I44014SC.D Vial: 3
Acq On : 28 Sep 2010 8:19 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 29 7:36 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10





TIC: I44014SC.D

(81) tert-butylbenzene (TM)

15.59min 21.66ug/L m

response 189762

Ion	Exp%	Act%
119.00	100	100
91.00	75.50	78.16
0.00	0.00	0.00
0.00	0.00	0.00

9/29/10

I44014SC.D VS09270I.M Wed Sep 29 07:36:42 2010

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D Vial: 4
Acq On : 28 Sep 2010 8:52 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil MT 9/29/10
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	✓100	0.03
2	TM	Dichlorodifluoromethane	0.701	0.724	-3.3	108	0.00
3	TMP	Chloromethane	0.606	0.638✓	-5.3	113	0.00
4	TMC	Vinyl Chloride	0.532	0.574	✓-7.9	113	0.00
5	TM	Bromomethane	0.417	0.468	-12.2	126	0.00
6	TM	Chloroethane	0.295	0.331	-12.2	114	0.01
7	TM	t-Butyl alcohol (TBA)	0.090	0.089#	1.1	89	0.02
8	TM	Trichlorofluoromethane	1.059	1.170	-10.5	115	0.00
9	TM	Diethyl ether	0.258	0.280	-8.5	107	0.01
10	TM	1,1,2-Trichlorotrifluoroeth	0.564	0.622	-10.3	112	0.02
11	T	Acrolein	0.000	0.000#	0.0	100	0.01
12	TM	Acetone	0.234	0.234	0.0	97	0.01
13	TMC	1,1-Dichloroethene	0.478	0.526	✓-10.0	113	0.02
14	TM	Methyl iodide	0.736	0.918	-24.7#	128	0.01
15	TM	Di-isopropyl ether (DIPE)	1.925	2.000	-3.9	105	0.03
16	TM	Methylene Chloride	1.587	0.705 Lin93%	~~-55.6#~~	96	0.02
17	TM	Carbon Disulfide	1.572	1.694	-7.8	111	0.02
18	T	Acrylonitrile	0.218	0.233	-6.9	98	0.02
19	TM	Methyl-tert-butyl ether (MT	1.584	1.666	-5.2	104	0.03
20	TM	trans-1,2-Dichloroethene	0.577	0.632	-9.5	115	0.01
21	TMP	1,1-Dichloroethane	1.081	1.143✓	-5.7	109	0.02
22	TM	Vinyl acetate	0.084	0.094#	-11.9	107	0.02
23	TM	Methyl ethyl ketone	0.064	0.069#	-7.8	96	0.03
24	TM	Ethyl t-butyl ether (ETBE)	1.969	2.116	-7.5	107	0.03
25	TM	2,2-Dichloropropane	0.866	0.976	-12.7	116	0.04
26	TM	cis-1,2-Dichloroethene	0.632	0.677	-7.1	109	0.02
27	TM	t-Amyl methyl ether (TAME)	1.528	1.602	-4.8	104	0.02
28	S	DB HOLDER #28	0.855	0.878	-2.7	101	0.03
29	TMC	Chloroform	1.088	1.175	✓-8.0	111	0.03
30	TM	Bromochloromethane	0.312	0.337	-8.0	103	0.03
31	TM	Tetrahydrofuran	0.071	0.074#	-4.2	100	0.02
32	TM	1,1,1-Trichloroethane	0.902	0.980	-8.6	111	0.03
33	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
34	TM	1,1-Dichloropropene	0.771	0.839	-8.8	113	0.03
35	TM	Carbon Tetrachloride	0.727	0.802	-10.3	113	0.02
36	S	d4-1,2-Dichloroethane	0.855	0.878	-2.7	101	0.03
37	TM	1,2-Dichloroethane	1.005	1.063	-5.8	105	0.02
38	TM	Benzene	1.915	1.981	-3.4	106	0.03
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	✓100	0.03
40	TM	Trichloroethene	0.329	0.352	-7.0	109	0.02
41	TMC	1,2-Dichloropropane	0.300	0.309	✓-3.0	107	0.03

(#) = Out of Range 5/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D Vial: 4
Acq On : 28 Sep 2010 8:52 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/29/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
42	TM	Methylmethacrylate	0.204	0.221	-8.3	104	0.03
43	TM	Methyl acetate	0.307	0.299	2.6	100	0.01
44	TM	Cyclohexane	0.469	0.499	-6.4	110	0.03
45	TM	Bromodichloromethane	0.452	0.484	-7.1	108	0.03
46	TM	Dibromomethane	0.266	0.286	-7.5	107	0.02
47	TM	1,4-Dioxane	0.004	0.004#	0.0	87	0.02
48	TM	Methylcyclohexane	0.439	0.487	-10.9	114	0.03
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
50	T	2-Chloroethylvinyl ether	0.000	0.000#	0.0	101	0.02
51	TM	2-Hexanone	0.134	0.143	-6.7	99	0.03
52	TM	Methyl isobutyl ketone	0.136	0.143	-5.1	98	0.02
53	TM	cis-1,3-Dichloropropene	0.477	0.504	-5.7	108	0.03
54	S	d8-Toluene	1.075	1.083	-0.7	100	0.03
55	TMC	Toluene	0.661	0.692	✓-4.7	109	0.03
56	TM	trans-1,3-Dichloropropene	0.468	0.509	-8.8	108	0.03
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
58	TM	1,1,2-Trichloroethane	0.227	0.241	-6.2	104	0.02
59	TM	1,3-Dichloropropane	0.436	0.459	-5.3	104	0.03
60	TM	Tetrachloroethene	0.285	0.304	-6.7	110	0.03
61	TM	Dibromochloromethane	0.340	0.364	-7.1	105	0.03
62	TM	1,2-Dibromoethane	0.341	0.362	-6.2	104	0.03
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	✓99	0.02
64	TMP	Chlorobenzene	0.916	0.979✓	-6.9	109	0.03
65	TM	1,1,1,2-Tetrachloroethane	0.320	0.337	-5.3	108	0.03
66	TMC	Ethylbenzene	1.465	1.583	✓-8.1	110	0.02
67	TM	m,p-Xylene	0.550	0.587	-6.7	111	0.03
68	TM	o-Xylene	0.538	0.573	-6.5	107	0.02
69	TM	Styrene	0.945	1.020	-7.9	109	0.03
70	TMP	Bromoform	0.239	0.260✓	-8.8	105	0.03
71	TM	Isopropylbenzene	1.396	1.522	-9.0	112	0.03
72	TMP	1,1,2,2-Tetrachloroethane	0.427	0.448✓	-4.9	102	0.03
73	S	Bromofluorobenzene	0.511	0.515	-0.8	101	0.02
74	TM	1,2,3-Trichloropropane	0.329	0.327	0.6	98	0.03
75	TM	trans-1,4-Dichloro-2-butene	0.069	0.078#	-13.0	101	0.03
76	TM	n-Propylbenzene	1.719	1.854	-7.9	110	0.03
77	TM	Bromobenzene	0.342	0.358	-4.7	106	0.02
78	TM	1,3,5-Trimethylbenzene	1.149	1.249	-8.7	112	0.02
79	TM	2-Chlorotoluene	1.152	1.220	-5.9	110	0.03
80	TM	4-Chlorotoluene	1.067	1.159	-8.6	110	0.02
81	TM	tert-butylbenzene	0.966	1.046	-8.3	107	0.02
82	TM	1,2,4-Trimethylbenzene	1.216	1.307	-7.5	110	0.03

(#) = Out of Range

9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D Vial: 4
Acq On : 28 Sep 2010 8:52 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Multiple Level Calibration

MT 9/28/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83	T	Pentachloroethane	0.184	0.200	-8.7	110	0.02
84	TM	sec-butylbenzene	1.495	1.676	-12.1	116	0.03
85	TM	p-isopropyltoluene	1.176	1.294	-10.0	112	0.03
86	TM	1,3-Dichlorobenzene	0.600	0.644	-7.3	109	0.03
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	✓98	0.03
88	TM	1,4-Dichlorobenzene	1.422	1.527	-7.4	112	0.03
89	TM	n-butylbenzene	2.752	3.193	-16.0	116	0.03
90	TM	1,2-Dichlorobenzene	1.301	1.402	-7.8	107	0.03
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
92	TM	1,2-Dibromo-3-chloropropane	0.190	0.214	-12.6	103	0.03
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	0.00
94	TM	1,2,4-Trichlorobenzene	0.915	1.029	-12.5	113	0.02
95	TM	Hexachlorobutadiene	0.384	0.444	-15.6	115	0.03
96	TM	Naphthalene	1.510	1.507	0.2	91	0.02
97	TM	1,2,3-Trichlorobenzene	0.810	0.886	-9.4	108	0.03
98	TM	1,3,5-Trichlorobenzene	1.002	1.152	-15.0	115	0.03

9/29/10

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

1=AVERAGE RF	Data File Name	I44015SC.D
0=LINEAR	Date Acquired	9/28/2010 8:52
3=QUADRATIC	Sample Name	20 PPB

MT 9/29/10

METHOD: C:\HPCHEM\1\METHODS\VS09270I.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	20.64	20	3.2%	NA	OK
1	Chloromethane	21.04	20	5.2%	NA	OK
1	Vinyl Chloride	21.56	20	7.8%	NA	OK
1	Bromomethane	22.42	20	12.1%	NA	OK
1	Chloroethane	22.41	20	12.1%	NA	OK
1	t-Butyl alcohol (TBA)	99.52	100	0.5%	NA	OK
1	Trichlorofluoromethane	22.11	20	10.5%	NA	OK
1	Diethyl ether	21.66	20	8.3%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	22.05	20	10.2%	NA	OK
1	Acrolein	0.00	100	100.0%	NA	*
1	Acetone	100.34	100	0.3%	NA	OK
1	1,1-Dichloroethene	21.99	20	9.9%	NA	OK
1	Methyl iodide	24.95	20	24.7%	NA	*
1	Di-isopropyl ether (DIPE)	20.78	20	3.9%	NA	OK
0	Methylene Chloride	18.57	20	7.1%		OK
1	Carbon Disulfide	21.54	20	7.7%	NA	OK
1	Acrylonitrile	21.31	20	6.5%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	21.03	20	5.2%	NA	OK
1	trans-1,2-Dichloroethene	21.91	20	9.6%	NA	OK
1	1,1-Dichloroethane	21.15	20	5.7%	NA	OK
1	Vinyl acetate	22.56	20	12.8%	NA	OK
1	Methyl ethyl ketone	106.23	100	6.2%	NA	OK
1	Ethyl t-butyl ether (ETBE)	21.49	20	7.4%	NA	OK
1	2,2-Dichloropropane	22.53	20	12.6%	NA	OK
1	cis-1,2-Dichloroethene	21.42	20	7.1%	NA	OK
1	t-Amyl methyl ether (TAME)	20.98	20	4.9%	NA	OK
1	Chloroform	21.58	20	7.9%	NA	OK
1	Bromochloromethane	21.56	20	7.8%	NA	OK
1	Tetrahydrofuran	21.12	20	5.6%	NA	OK
1	1,1,1-Trichloroethane	21.73	20	8.6%	NA	OK
1	~~NO COMPOUND~~	0.00	1000	100.0%	NA	*
1	1,1-Dichloropropene	21.75	20	8.7%	NA	OK
1	Carbon Tetrachloride	22.08	20	10.4%	NA	OK
1	d4-1,2-Dichloroethane	20.54	20	2.7%	NA	OK
1	1,2-Dichloroethane	21.15	20	5.8%	NA	OK
1	Benzene	20.69	20	3.5%	NA	OK
1	Trichloroethene	21.36	20	6.8%	NA	OK
1	1,2-Dichloropropane	20.60	20	3.0%	NA	OK
1	Methylmethacrylate	21.65	20	8.3%	NA	OK
1	Methyl acetate	19.47	20	2.6%	NA	OK

5929w

MT 9/29/10

1	Cyclohexane	21.30	20	6.5%	NA	OK
1	Bromodichloromethane	21.41	20	7.0%	NA	OK
1	Dibromomethane	21.49	20	7.5%	NA	OK
1	1,4-Dioxane	469.92	500	6.0%	NA	OK
1	Methylcyclohexane	22.21	20	11.1%	NA	OK
1	2-Chloroethylvinyl ether	0.00	20	100.0%	NA	* MT
1	2-Hexanone	106.83	100	6.8%	NA	OK
1	Methyl isobutyl ketone	105.19	100	5.2%	NA	OK
1	cis-1,3-Dichloropropene	21.15	20	5.7%	NA	OK
1	d8-Toluene	20.14	20	0.7%	NA	OK
1	Toluene	20.95	20	4.7%	NA	OK
1	trans-1,3-Dichloropropene	21.74	20	8.7%	NA	OK
1	1,1,2-Trichloroethane	21.28	20	6.4%	NA	OK
1	1,3-Dichloropropane	21.05	20	5.3%	NA	OK
1	Tetrachloroethene	21.30	20	6.5%	NA	OK
1	Dibromochloromethane	21.42	20	7.1%	NA	OK
1	1,2-Dibromoethane	21.21	20	6.1%	NA	OK
1	Chlorobenzene	21.38	20	6.9%	NA	OK
1	1,1,1,2-Tetrachloroethane	21.06	20	5.3%	NA	OK
1	Ethylbenzene	21.61	20	8.1%	NA	OK
1	m,p-Xylene	42.68	40	6.7%	NA	OK
1	o-Xylene	21.31	20	6.6%	NA	OK
1	Styrene	21.60	20	8.0%	NA	OK
1	Bromoform	21.75	20	8.7%	NA	OK
1	Isopropylbenzene	21.81	20	9.0%	NA	OK
1	1,1,2,2-Tetrachloroethane	21.00	20	5.0%	NA	OK
1	Bromofluorobenzene	20.15	20	0.8%	NA	OK
1	1,2,3-Trichloropropane	19.83	20	0.8%	NA	OK
1	trans-1,4-Dichloro-2-butene	22.63	20	13.1%	NA	OK
1	n-Propylbenzene	21.58	20	7.9%	NA	OK
1	Bromobenzene	20.91	20	4.6%	NA	OK
1	1,3,5-Trimethylbenzene	21.73	20	8.6%	NA	OK
1	2-Chlorotoluene	21.17	20	5.9%	NA	OK
1	4-Chlorotoluene	21.72	20	8.6%	NA	OK
1	tert-butylbenzene	21.67	20	8.4%	NA	OK
1	1,2,4-Trimethylbenzene	21.51	20	7.5%	NA	OK
1	Pentachloroethane	21.78	20	8.9%	NA	OK
1	sec-butylbenzene	22.42	20	12.1%	NA	OK
1	p-isopropyltoluene	22.00	20	10.0%	NA	OK
1	1,3-Dichlorobenzene	21.48	20	7.4%	NA	OK
1	1,4-Dichlorobenzene	21.48	20	7.4%	NA	OK
1	n-butylbenzene	23.20	20	16.0%	NA	OK
1	1,2-Dichlorobenzene	21.55	20	7.7%	NA	OK
1	1,2-Dibromo-3-chloropropane	22.46	20	12.3%	NA	OK
1	1,2,4-Trichlorobenzene	22.49	20	12.4%	NA	OK
1	Hexachlorobutadiene	23.13	20	15.7%	NA	OK
3	Naphthalene	18.08	20	9.6%		OK
1	1,2,3-Trichlorobenzene	21.87	20	9.4%	NA	OK
1	1,3,5-Trichlorobenzene	22.99	20	15.0%	NA	OK

J929w

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D
Acq On : 28 Sep 2010 8:52 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010

Vial: 4
Operator: MT
Inst : Instrumen
Multiplr: 1.00

Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	114699	20.00 ug/L	0.03
39) 1,4-Difluorobenzene	7.96	114	214572 ✓	20.00 ug/L	0.03
63) *d5-Chlorobenzene	12.59	117	183336 ✓	20.00 ug/L	0.02
87) 1,4-Dichlorobenzene-d4	16.41	152	78599	20.00 ug/L	0.03

System Monitoring Compounds

28) DB HOLDER #28	7.33	65	100673	20.54 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.70% ✓		
36) d4-1,2-Dichloroethane	7.33	65	100673	20.54 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.70% ✓		
54) d8-Toluene	10.26	98	232288	20.14 ug/L	0.03
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.70% ✓		
73) Bromofluorobenzene	14.52	95	94360	20.15 ug/L	0.02
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.75% ✓		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.48	85	83019	20.64 ug/L	100
3) Chloromethane	1.67	50	73154	21.04 ug/L	100
4) Vinyl Chloride	1.77	62	65852	21.56 ug/L	97
5) Bromomethane	2.16	94	53642	22.42 ug/L	100
6) Chloroethane	2.24	64	37930	22.41 ug/L	88
7) t-Butyl alcohol (TBA)	3.31	59	51165	99.52 ug/L	99
8) Trichlorofluoromethane	2.49	101	134226	22.11 ug/L	98
9) Diethyl ether	2.81	74	32101	21.66 ug/L	97
10) 1,1,2-Trichlorotrifluoroet	2.97	101	71355	22.05 ug/L	99
12) Acetone	3.04	43	134382	100.34 ug/L	98
13) 1,1-Dichloroethene	3.19	96	60320	21.99 ug/L	96
14) Methyl iodide	3.57	142	105339	24.95 ug/L	99
15) Di-isopropyl ether (DIPE)	4.86	45	229384	20.78 ug/L	96
16) Methylene Chloride	3.85	84	80910	18.57 ug/L	97
17) Carbon Disulfide	3.82	76	194264	21.54 ug/L	100
18) Acrylonitrile	4.06	53	26687	21.31 ug/L	99
19) Methyl-tert-butyl ether (M	4.10	73	191084	21.03 ug/L	98
20) trans-1,2-Dichloroethene	4.30	96	72457	21.91 ug/L	98
21) 1,1-Dichloroethane	4.99	63	131115	21.15 ug/L	99
22) Vinyl acetate	5.05	86	10810	22.56 ug/L	80
23) Methyl ethyl ketone	5.70	72	39285	106.23 ug/L	91
24) Ethyl t-butyl ether (ETBE)	5.52	59	242655	21.49 ug/L	99
25) 2,2-Dichloropropane	5.89	77	111934	22.53 ug/L	99
26) cis-1,2-Dichloroethene	5.96	96	77623	21.42 ug/L	98
27) t-Amyl methyl ether (TAME)	7.28	73	183792	20.98 ug/L	97
29) Chloroform	6.20	83	134727	21.58 ug/L	97
30) Bromochloromethane	6.45	128	38602	21.56 ug/L #	90

(#) = qualifier out of range (m) = manual integration

J92910

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D
Acq On : 28 Sep 2010 8:52 am
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010

Vial: 4
Operator: MT
Inst : Instrumen
Multiplr: 1.00
Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

MT 9/29/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	Tetrahydrofuran	6.51	71	8541	21.12 ug/L	94
32)	1,1,1-Trichloroethane	6.81	97	112425	21.73 ug/L	97
34)	1,1-Dichloropropene	7.06	75	96222	21.75 ug/L	96
35)	Carbon Tetrachloride	7.19	119	92031	22.08 ug/L	98
37)	1,2-Dichloroethane	7.46	62	121938	21.15 ug/L	99
38)	Benzene	7.46	78	227194	20.69 ug/L	100
40)	Trichloroethene	8.41	95	75426	21.36 ug/L	97
41)	1,2-Dichloropropane	8.70	63	66397	20.60 ug/L	98
42)	Methylmethacrylate	8.86	69	47340	21.65 ug/L	98
43)	Methyl acetate	3.65	43	64108	19.47 ug/L	98
44)	Cyclohexane	6.80	56	107131	21.30 ug/L	98
45)	Bromodichloromethane	9.05	83	103911	21.41 ug/L	98
46)	Dibromomethane	9.11	93	61374	21.49 ug/L	99
47)	1,4-Dioxane	9.11	88	20911	469.92 ug/L	92
48)	Methylcyclohexane	8.49	83	104526	22.21 ug/L	98
51)	2-Hexanone	10.99	58	153699	106.83 ug/L	94
52)	Methyl isobutyl ketone	9.63	58	153091	105.19 ug/L	98
53)	cis-1,3-Dichloropropene	9.92	75	108130	21.15 ug/L	97
55)	Toluene	10.38	92	148555	20.95 ug/L	97
56)	trans-1,3-Dichloropropene	10.71	75	109144	21.74 ug/L	100
58)	1,1,2-Trichloroethane	10.92	83	51781	21.28 ug/L	96
59)	1,3-Dichloropropane	11.33	76	98485	21.05 ug/L	100
60)	Tetrachloroethene	11.38	166	65229	21.30 ug/L	96
61)	Dibromochloromethane	11.68	129	78088	21.42 ug/L	96
62)	1,2-Dibromoethane	11.99	107	77647	21.21 ug/L	98
64)	Chlorobenzene	12.65	112	179508	21.38 ug/L	100
65)	1,1,1,2-Tetrachloroethane	12.74	131	61724	21.06 ug/L	93
66)	Ethylbenzene	12.75	91	290228	21.61 ug/L	100
67)	m,p-Xylene	12.88	106	215205	42.68 ug/L	96
68)	o-Xylene	13.55	106	105014	21.31 ug/L	93
69)	Styrene	13.62	104	187073	21.60 ug/L	99
70)	Bromoform	14.11	173	47634	21.75 ug/L	95
71)	Isopropylbenzene	14.14	105	278983	21.81 ug/L	99
72)	1,1,2,2-Tetrachloroethane	14.43	83	82156	21.00 ug/L	98
74)	1,2,3-Trichloropropane	14.66	75	59884	19.83 ug/L	98
75)	trans-1,4-Dichloro-2-buten	14.80	88	14303	22.63 ug/L	82
76)	n-Propylbenzene	14.78	91	339962	21.58 ug/L	97
77)	Bromobenzene	14.79	156	65584	20.91 ug/L	99
78)	1,3,5-Trimethylbenzene	15.04	105	228916	21.73 ug/L	100
79)	2-Chlorotoluene	15.03	91	223613	21.17 ug/L	98
80)	4-Chlorotoluene	15.11	91	212504	21.72 ug/L	99
81)	tert-butylbenzene	15.60	119	191857	21.67 ug/L	99

(#) = qualifier out of range (m) = manual integration

DS 9/29/10

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D Vial: 4
Acq On : 28 Sep 2010 8:52 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010 Quant Results File: VS09270I.RES

Quant Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration
DataAcq Meth : VS09270I

Reprinted 10/4/10

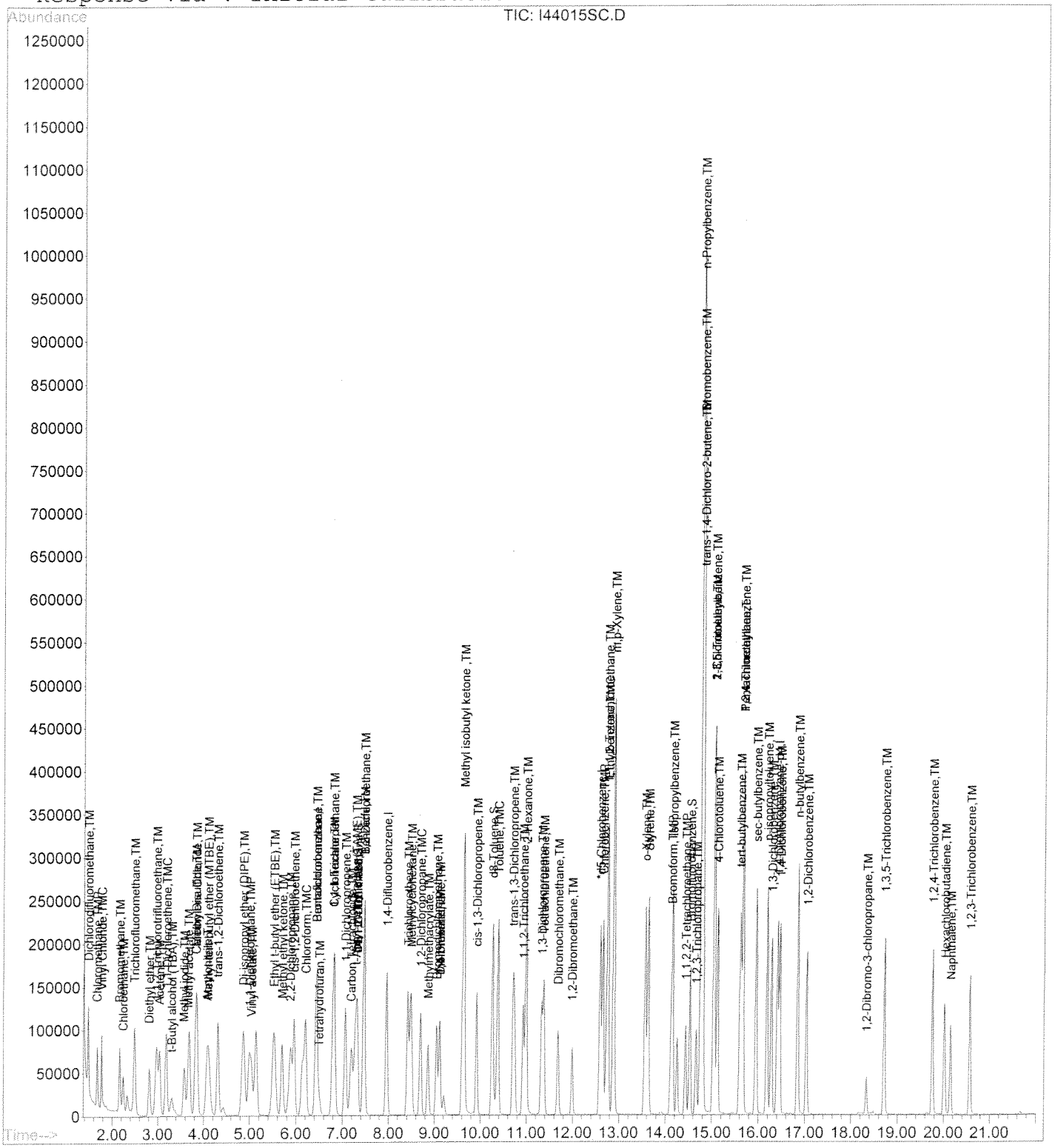
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82) 1,2,4-Trimethylbenzene	15.66	105	239697	21.51 ug/L	100
83) Pentachloroethane	15.66	167	36750	21.78 ug/L	99
84) sec-butylbenzene	15.95	105	307264	22.42 ug/L	99
85) p-isopropyltoluene	16.18	119	237250	22.00 ug/L	97
86) 1,3-Dichlorobenzene	16.28	146	118139	21.48 ug/L	95
88) 1,4-Dichlorobenzene	16.46	146	120029	21.48 ug/L	98
89) n-butylbenzene	16.84	91	250946	23.20 ug/L	98
90) 1,2-Dichlorobenzene	17.04	146	110197	21.55 ug/L	98
92) 1,2-Dibromo-3-chloropropan	18.33	75	16801	22.46 ug/L	96
94) 1,2,4-Trichlorobenzene	19.75	180	80849	22.49 ug/L	98
95) Hexachlorobutadiene	20.02	225	34902	23.13 ug/L	94
96) Naphthalene	20.14	128	118450	18.08 ug/L	98
97) 1,2,3-Trichlorobenzene	20.57	180	69640	21.87 ug/L	98
98) 1,3,5-Trichlorobenzene	18.72	180	90539	22.99 ug/L	97

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D Vial: 4
Acq On : 28 Sep 2010 8:52 am Operator: MT
Sample : 20 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 28 14:02 2010 Quant Results File: VS09270I.RES

Method : C:\HPCHEM\1\METHODS\VS09270I.M (RTE Integrator)
Title : 8260 Purgable Organics - Low Soil
Last Update : Tue Sep 28 11:31:07 2010
Response via : Initial Calibration

reprinted 10/4/10



VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67835

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	115240		6.40		214249		7.92		185477		12.56		80347		16.38	
Upper Limit	230480		6.46		428498		7.98		370954		12.62		160694		16.44	
Lower limit	57620		6.34		107125		7.86		92739		12.50		40174		16.32	
SAMPLE ID																
1 PPB	113651		6.40		209896		7.93		178137		12.57		77361		16.38	
2 PPB	117322		6.40		213441		7.93		183482		12.56		78893		16.37	
5 PPB	112601		6.39		208170		7.92		178504		12.56		77316		16.38	
20 PPB	115240		6.40		214249		7.92		185477		12.56		80347		16.38	
50 PPB	119455		6.39		222446		7.92		186670		12.56		82549		16.38	
100 PPB	115759		6.39		220266		7.92		189844		12.56		82308		16.37	
20 PPB ICV	116794		6.40		216266		7.93		187549		12.56		80716		16.38	
20 PPB ICV2	113034		6.40		209787		7.92		182438		12.56		78006		16.38	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

Tune File : C:\HPCHEM\1\DATA\092710-I\I44000T.D
Tune Time : 27 Sep 2010 4:31 pm

Daily Calibration File : C:\HPCHEM\1\DATA\092710-I\I44005SI.D

115240 214249 185477

MT 9/29/10

80347

File	Sample	Surrogate Recovery %				Internal Standard Responses		
I44002SI.D	1 PPB	85	85	82	88	113651	209896	178137
				77361				
I44003SI.D	2 PPB	82	82	81	88	117322	213441	183482
				78893				
I44004SI.D	5 PPB	82	82	81	88	112601	208170	178504
				77316				
I44005SI.D	20 PPB	85	85	82	87	115240	214249	185477
				80347				
I44006SI.D	50 PPB	83	83	79	88	119455	222446	186670
				82549				
I44007SI.D	100 PPB	86	86	81	88	115759	220266	189844
				82308				
I44010Q.D	20 PPB I	102	102	100	98	116794	216266	187549
				80716				
I44011Q.D	20 PPB I	102	102	100	101	113034	209787	182438
				78006				

t - fails 12hr time check * - fails criteria

Created: Tue Sep 28 13:19:09 2010 Instrumen

S92910

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): Y

SDG: 67835

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	114699		6.43		214572		7.96		183336		12.59		78599		16.41	
Upper Limit	229398		6.49		429144		8.02		366672		12.65		157198		16.47	
Lower limit	57350		6.37		107286		7.90		91668		12.53		39300		16.35	
SAMPLE ID																
20 PPB	114699		6.43		214572		7.96		183336		12.59		78599		16.41	
LL09280I	117421		6.42		222954		7.96		184581		12.59		78922		16.40	
LL09280I2	117980		6.43		221384		7.95		189239		12.58		80175		16.41	
LB09280I	113092		6.42		209787		7.95		179781		12.58		77571		16.39	
67835-1	108590		6.42		202044		7.94		171251		12.58		68763		16.40	
67835-6	107462		6.42		202104		7.95		170580		12.58		68069		16.39	
67835-5	114270		6.42		210223		7.95		181772		12.58		76287		16.39	
67835-3	112007		6.42		207780		7.95		178095		12.59		75545		16.40	
67835-4	109969		6.43		202263		7.95		174464		12.58		72852		16.40	
67835-2	113321		6.43		213552		7.95		181772		12.59		76762		16.40	
67835-6,MS	114776		6.42		216811		7.95		184244		12.58		75540		16.40	
67835-6,MSD	116754		6.42		220495		7.95		189345		12.58		76767		16.39	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

Tune File : C:\HPCHEM\1\DATA\092810-I\I44013T.D
Tune Time : 28 Sep 2010 7:51 am

Daily Calibration File : C:\HPCHEM\1\DATA\092810-I\I44015SC.D

114699 214572 183336

MT 9/29/10

78599

File	Sample	Surrogate Recovery %				Internal Standard Responses		
I44016Q.D	LL09280I	101	101	100	101	117421	222954	184581
				78922				
I44017Q.D	LL09280I	101	101	100	99	117980	221384	189239
				80175				
I44019.D	BROMOFOR	102	102	101	100	114431	209911	180487
				76989				
I44020B.D	LB09280I	101	101	100	100	113092	209787	179781
				77571				
I44021.D	67834-10	105	105	100	101	111716	208010	180081
				77413				
I44022.D	67834-11	103	103	100	101	112147	211208	178273
				76317				
I44023.D	67834-12	106	106	101	103	111146	207073	175352
				75413				
I44024.D	67835-1	107	107	103	96	108590	202044	171251
				68763				
I44025.D	67835-6	108	108	100	98	107462	202104	170580
				68069				
I44026.D	67835-5	101	101	101	99	114270	210223	181772
				76287				
I44027.D	67835-3	103	103	100	100	112007	207780	178095
				75545				
I44028.D	67835-4	104	104	102	98	109969	202263	174464
				72852				
I44029.D	67834-1	104	104	103	101	107160	199406	170334
				73640				
I44030.D	67834-2	105	105	100	97	109865	203308	176992
				74429				
I44031.D	67834-3	106	106	103	102	109714	198553	170768
				74980				
I44032.D	67834-4	105	105	100	102	108791	203471	172386
				74713				
I44033.D	67834-5	108	108	101	113	[illegible]	192985	164006

9/29/10

				69673				
I44034.D	67835-2	98	98	99	98	113321	213552	181772
				76762				
I44035SP.D	67835-6,	104	104	98	97	114776	216811	184244
				75540				
I44036SP.D	67835-6,	103	103	101	98	116754	220495	189345
				76767				

t - fails 12hr time check * - fails criteria

Created: Wed Sep 29 07:13:15 2010 Instrumen

MT 9/29/10

J929W

VPH
DATA SUMMARIES

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:VPH.doc

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: MBV092110K2
Matrix: Soil
Percent Solid: 0
Dilution Factor: 50
Collection Date:
Lab Receipt Date:
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/kg	U
Benzene	C5-C8	100	µg/kg	U
Ethylbenzene	C9-C12	100	µg/kg	U
Methyl-tert-butyl ether	C5-C8	100	µg/kg	U
Naphthalene	N/A	100	µg/kg	U
Toluene	C5-C8	100	µg/kg	U
m- & p-Xylenes	C9-C12	200	µg/kg	U
o-Xylene	C9-C12	100	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				88
Surrogate % Recovery (2,5-Dibromotoluene) FID				82
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature:

VPH SOIL REPORT

Sample Name	**MBV092110K2**
Data File Name	K29001B.D
Date Acquired	9/21/2010 9:59
Misc Info	100,10.00,SOIL ✓
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	10.00
Vol. MeOH (mL)	**10.00** ✓
% Solid (divided by 100)	**1.0000**
% Moisture (divided by 100)	0.0000
Vol. entrained water (mL)	0.0000
Total MeOH/water vol (mL)	10.0000
Dilution Factor	50.00
Moisture Corrected Dilution Factor	50.00

88 9/22/10

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		2500	
Unadjusted C9-C12 Aliphatics	U		2500	
Benzene	U		100	
Ethylbenzene	U		100	
Methyl-t-butylether	U		100	
Naphthalene	U		100	
Toluene	U		100	ND
m,p-Xylenes	U		200	
o-Xylene	U		100	
C5-C8 Aliphatic Hydrocarbons	U		2500	
C9-C12 Aliphatic Hydrocarbons	U		2500	
C9-C10 Aromatic Hydrocarbons	U		500	
PID Surrogate % Recovery	88%		70-130%	PASS ✓
FID Surrogate % Recovery	82%		70-130%	PASS ✓

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	31.24 ✓	0.00	228848						0
C9-C12 ALIPHATICS	7.55 ✓	0.00	53808						0
2,5-Dibromotoluene	81.61		240029						
PID RESULTS									
Methyl-t-butylether #2	0.09	0.00	429	2.155	2.183	0.0477	OK	0.00	0
Benzene #2	0.23	0.00	2998	3.519	3.512	0.0380	OK	0.00	0
Toluene #2	0.18	0.00	2091	4.880	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.16	0.00	1786	6.122	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.28	0.00	3562	6.187	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.19	0.00	2132	6.560	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.40 ✓	0.00	4122	10.244	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	4.21 ✓	0.00	49650						0
2,5-Dibromotoluene #2	88.34		697276						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

S92210

9/22/2010 8:44 AM

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29001B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:59 am
Operator : JJL
Sample : MBV092110K2
Misc : 100,10.00,SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 10:20:19 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.353	11.353	240029	697276	81.606	88.342
Spiked Amount		100.000	Range	70 - 130	Recovery	=	81.61% 88.34%
	Target Compounds						
2) Z	2-Methylp...	2.002	2.005	7068	327	0.864	NoCal #
3) TM	Methyl-t-...	2.217	2.155	48	429	NoCal	0.092 #
4) Z	2,2,4-Tri...	3.320	3.321	2802	3033	0.363	NoCal #
5) TM	Benzene	3.520	3.519	3803	2998	NoCal	0.230 #
6) TM	Toluene	4.881	4.880	1898	2091	NoCal	0.175 #
7) XH	C5-C8 ALI...	3.717	0.000	228848	0	31.244	N.D. #
9) TM	Ethylbenzene	6.121	6.122	1413	1786	NoCal	0.163 #
10) TM	m,p-Xylene	6.186	6.187	3179	3562	NoCal	0.284 #
11) TM	o-Xylene	6.558	6.560	1994	2132	NoCal	0.191 #
12) Z	n-Decane	7.151	7.152	4090	1102	0.593	NoCal #
13) Z	n-Butylcy...	7.821	7.819	1974	928	0.268	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	53808	0	7.548	N.D. #
15) ZM	1,2,4-Tri...	7.715	7.715	2241	2737	NoCal	0.232 #
16) XH	C9-C10 AR...	10.410	8.424	17	49650	NoCal	4.209 #
17) TM	Naphthalene	10.244	10.244	2971	4122	NoCal	0.404 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

J92210

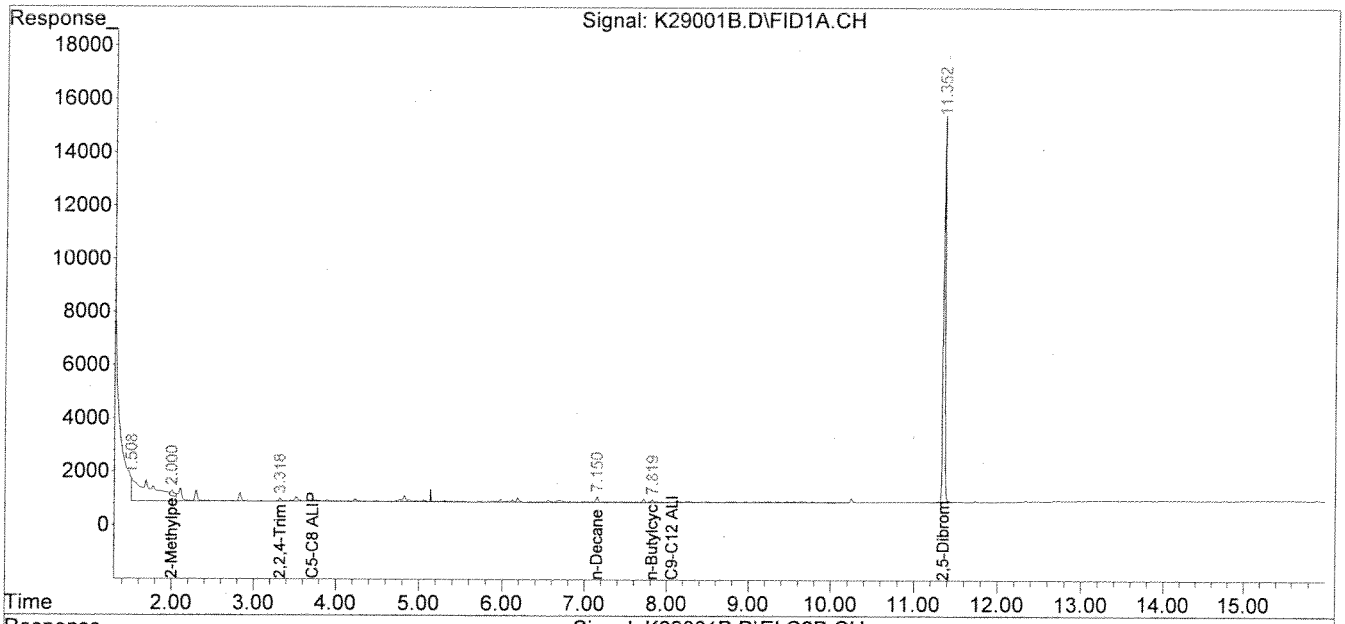
Quantitation Report (Not Reviewed)

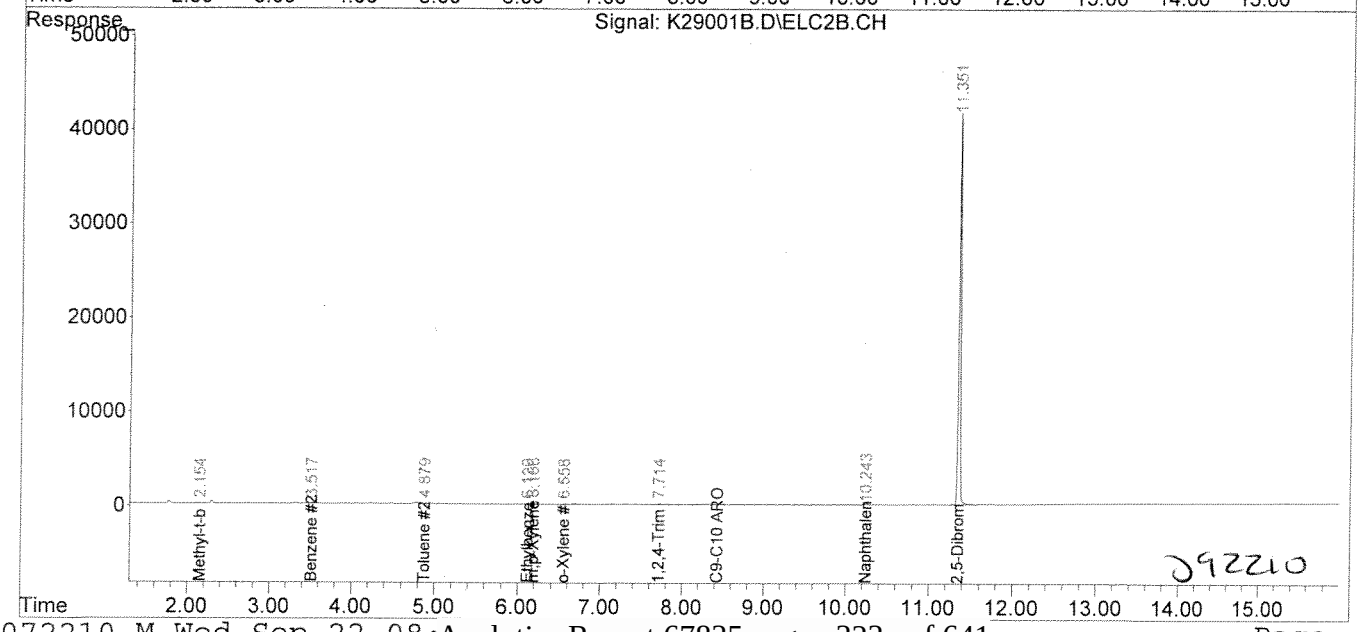
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29001B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 9:59 am
Operator : JJL
Sample : MBV092110K2
Misc : 100,10.00,SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 10:20:19 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092210

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: C-B82-GTM3-SW-2

SAMPLE DATA

Lab Sample ID: 67835-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 70
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Analysis Date: 09/21/10

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	3500	µg/kg	U
Unadjusted C9-C12 Aliphatics[1]	N/A	3500	µg/kg	U
Benzene	C5-C8	140	µg/kg	U
Ethylbenzene	C9-C12	140	µg/kg	U
Methyl-tert-butyl ether	C5-C8	140	µg/kg	U
Naphthalene	N/A	140	µg/kg	U
Toluene	C5-C8	140	µg/kg	U
m- & p-Xylenes	C9-C12	280	µg/kg	U
o-Xylene	C9-C12	140	µg/kg	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	3500	µg/kg	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3500	µg/kg	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	700	µg/kg	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				82
Surrogate % Recovery (2,5-Dibromotoluene) FID				76
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range.
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

Authorized signature: _____

VPH SOIL REPORT

Sample Name	**67835-6**
Data File Name	K29018.D
Date Acquired	9/21/2010 17:23
Misc Info	100,8.27,SOIL
Vol. MeOH Analyzed (uL)	100
Soil Weight (g)	8.27
Vol. MeOH (mL)	**10.00**
% Solid (divided by 100)	**0.9191**
% Moisture (divided by 100)	0.0809
Vol. entrained water (mL)	0.6690
Total MeOH/water vol (mL)	10.6690
Dilution Factor	65.78
Moisture Corrected Dilution Factor	70.18

VPH ANALYTICAL RESULTS	ug/kg	Result Qualifier	RL	
Unadjusted C5-C8 Aliphatics	U		3509	
Unadjusted C9-C12 Aliphatics	U		3509	
Benzene	U		140	
Ethylbenzene	U		140	
Methyl-t-butylether	U		140	
Naphthalene	U		140	
Toluene	U		140	ND
m,p-Xylenes	U		281	
o-Xylene	U		140	
C5-C8 Aliphatic Hydrocarbons	U		3509	
C9-C12 Aliphatic Hydrocarbons	U		3509	
C9-C10 Aromatic Hydrocarbons	U		702	
PID Surrogate % Recovery	82%		70-130%	PASS
FID Surrogate % Recovery	76%		70-130%	PASS

gg 9/22/10

RAW DATA FID RESULTS	Raw Inst Amount ug/L	Above J flag Calculated Amt ug/kg	Target Response	Target RT	Exp RT	RT Window	RT Accept	RT Reviewed Amount	Final Sample Amount ug/kg
C5-C8 ALIPHATICS	29.83	0.00	218474						0
C9-C12 ALIPHATICS	8.35	0.00	59528						0
2,5-Dibromotoluene	71.38		209964						
PID RESULTS									
Methyl-t-butylether #2	0.19	0.00	909	2.173	2.183	0.0477	OK	0.00	0
Benzene #2	0.32	0.00	4138	3.519	3.512	0.0380	OK	0.00	0
Toluene #2	0.16	0.00	1901	4.881	4.883	0.0344	OK	0.00	0
Ethylbenzene #2	0.17	0.00	1804	6.120	6.124	0.0344	OK	0.00	0
m,p-Xylene #2	0.29	0.00	3615	6.188	6.190	0.0344	OK	0.00	0
o-Xylene #2	0.18	0.00	1965	6.559	6.561	0.0344	OK	0.00	0
Naphthalene #2	0.10	0.00	1037	10.243	10.248	0.0344	OK	0.00	0
C9-C10 AROMATICS #2	3.82	0.00	45057						0
2,5-Dibromotoluene #2	76.40		603026						
ADJUSTED RESULTS									
C5-C8 Aliphatic Hydrocarbons									0
C9-C12 Aliphatic Hydrocarbons									0

J 9/23/10

9/22/2010 9:21 AM

C:\msdchem\custrpt\VPHRPT.SOIL.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29018.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 5:23 pm
Operator : JJL
Sample : 67835-6
Misc : 100,8.27,SOIL
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:20:45 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18)	S 2,5-Dibro...	11.354	11.354	209964	603026	71.384	76.401	
	Spiked Amount	100.000	Range	70 - 130	Recovery	=	71.38%	76.40%
	Target Compounds							
2)	Z 2-Methylp...	2.004	1.993	6619	1305	0.809	NoCal	#
3)	TM Methyl-t-...	2.190	2.173	59	909	NoCal	0.195	#
4)	Z 2,2,4-Tri...	3.263	3.320	183	4429	0.024	NoCal	#
5)	TM Benzene	3.520	3.519	4316	4138	NoCal	0.318	#
6)	TM Toluene	4.880	4.881	1807	1901	NoCal	0.159	#
7)	XH C5-C8 ALI...	3.717	0.000	218474	0	29.827	N.D.	#
9)	TM Ethylbenzene	6.121	6.120	2086	1804	NoCal	0.165	#
10)	TM m,p-Xylene	6.187	6.188	2620	3615	NoCal	0.288	#
11)	TM o-Xylene	6.557	6.559	1257	1965	NoCal	0.176	#
12)	Z n-Decane	7.151	7.149	2288	1440	0.332	NoCal	#
13)	Z n-Butylcy...	7.821	7.823	1583	944	0.215	NoCal	#
14)	XH C9-C12 AL...	8.070	0.000	59528	0	8.350	N.D.	#
15)	ZM 1,2,4-Tri...	7.715	7.717	2489	2901	NoCal	0.246	#
16)	XH C9-C10 AR...	10.410	8.424	3	45057	NoCal	3.820	#
17)	TM Naphthalene	10.244	10.243	1325	1037	NoCal	0.102	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

92310

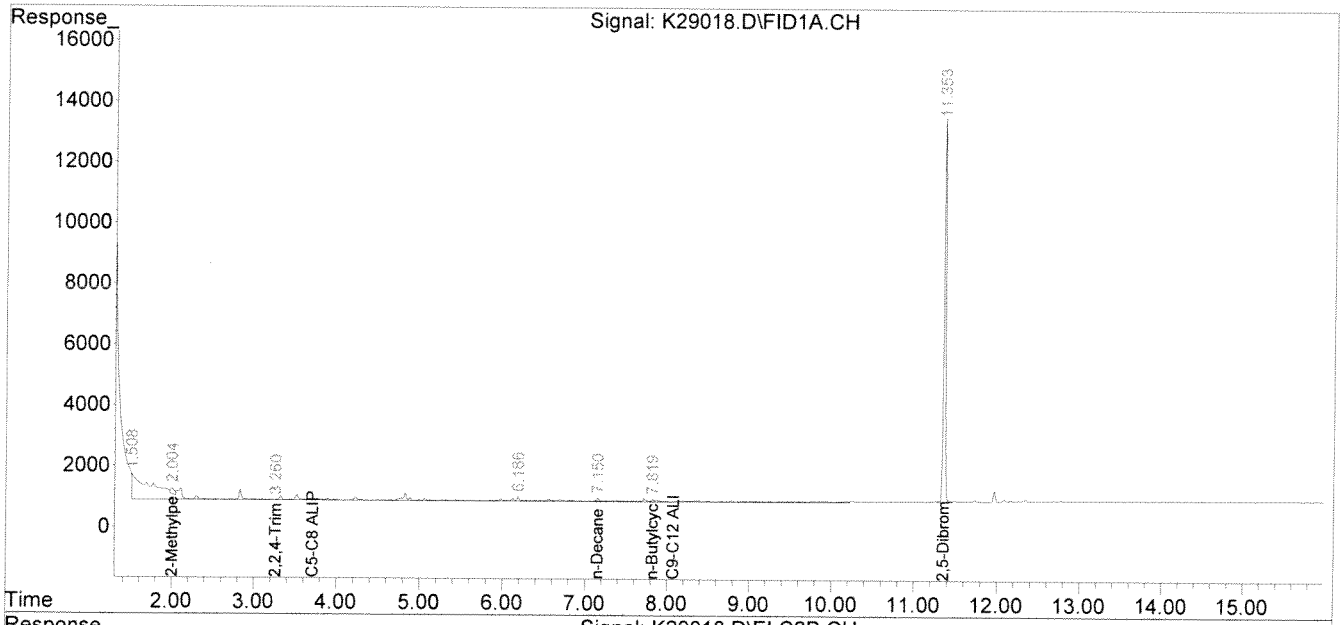
Quantitation Report (Not Reviewed)

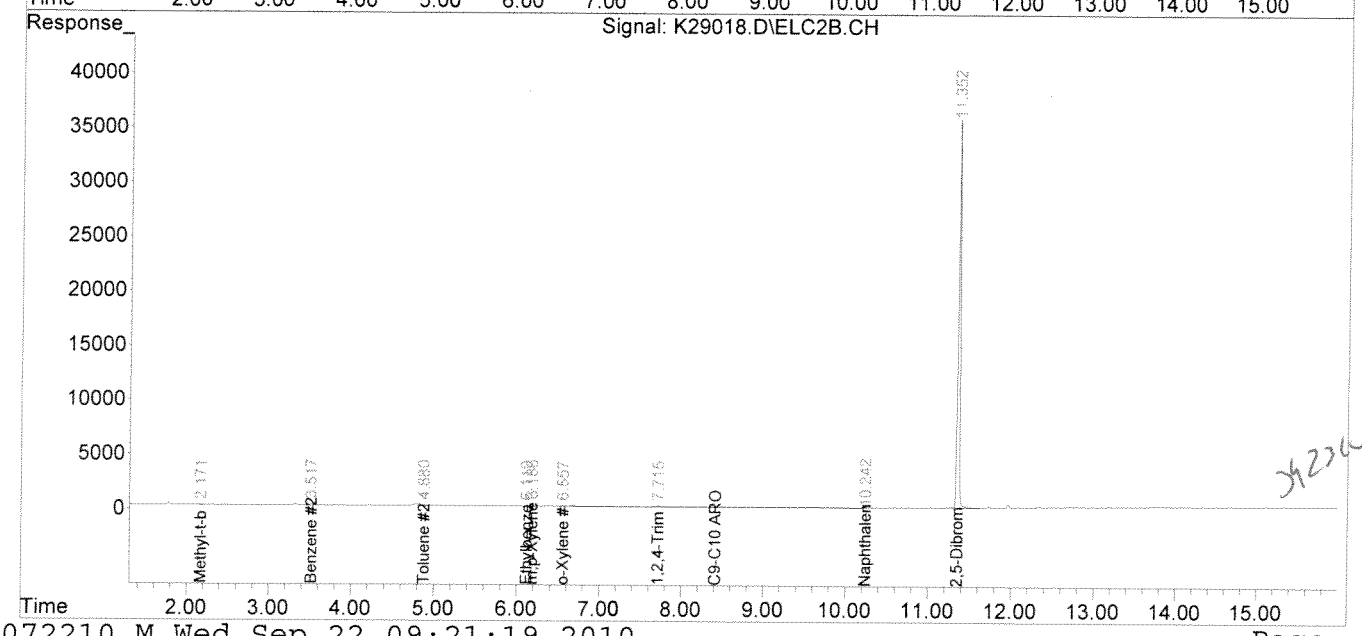
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29018.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 5:23 pm
Operator : JJL
Sample : 67835-6
Misc : 100,8.27,SOIL
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 22 09:20:45 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SB 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





342240

VPH
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:VPHQC.doc

VOLATILE PETROLEUM HYDROCARBONS
SOIL SYSTEM MONITORING COMPOUND
SUMMARY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 67835

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#
LSV092110K	74		81	
LSV092110K2	79		87	
MBV092110K2	82		88	
67835-6	76		82	

		Lower Limit	Upper Limit
SMC #1 =	FID 2,5-Dibromotoluene	70	130
SMC #2 =	PID 2,5-Dibromotoluene	70	130

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VPH FORM 2

VOLATILE PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: MBV092110K2
Spike: LSV092110K
Spike duplicate: LSV092110K2

9/22/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pentane	5000	5000	70	130	25	0	4637	93		4951	99		7	
2-Methylpentane	5000	5000	70	130	25	0	4503	90		4797	96		6	
2,2,4-Trimethylpentane	5000	5000	70	130	25	0	4941	99		5031	101		2	
n-Decane	5000	5000	70	130	25	0	4639	93		4923	98		6	
n-Butylcyclohexane	5000	5000	70	130	25	0	4437	89		4703	94		6	
Methyl-t-butylether #2	5000	5000	70	130	25	0	3945	79		4217	84		7	
Benzene #2	5000	5000	70	130	25	0	4291	86		4512	90		5	
Toluene #2	5000	5000	70	130	25	0	4272	85		4518	90		6	
Ethylbenzene #2	5000	5000	70	130	25	0	4168	83		4399	88		5	
m,p-Xylene #2	10000	10000	70	130	25	0	8597	86		9052	91		5	
o-Xylene #2	5000	5000	70	130	25	0	4069	81		4281	86		5	
1,2,4-Trimethylbenzene #2	5000	5000	70	130	25	0	4111	82		4340	87		5	
Naphthalene #2	5000	5000	70	130	25	0	3627	73		4010	80		10	
C5-C8 Aliphatics	15000	15000	70	130	25	0	14081	94		14778	99		5	
C9-C12 Aliphatics	10000	10000	70	130	25	0	9076	91		9626	96		6	
C9-C10 Aromatics #2	5000	5000	70	130	25	0	4111	82		4340	87		5	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

J92210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K28997Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:54 am
Operator : JJL
Sample : LSV092110K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 08:36:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.353	11.353	216385	640730	73.567	81.178	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 73.57% 81.18%							
		Target Compounds							
1)	Z	Pentane	1.560	1.560	648894	9334	92.733	NoCal	#
2)	Z	2-Methylp...	2.010	2.010	737176	28544	90.067	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	340780	367911	NoCal	78.891	#
4)	Z	2,2,4-Tri...	3.280	3.280	762659	160797	98.830	NoCal	#
5)	TM	Benzene	3.509	3.508	915852	1116815	NoCal	85.828	#
6)	TM	Toluene	4.880	4.880	904981	1018953	NoCal	85.443	#
7)	XH	C5-C8 ALI...	3.717	0.000	4550966	0	621.322	N.D.	#
9)	TM	Ethylbenzene	6.121	6.120	892783	910709	NoCal	83.350	#
10)	TM	m,p-Xylene	6.188	6.187	1816021	2157238	NoCal	171.945	#
11)	TM	o-Xylene	6.558	6.557	900813	910397	NoCal	81.386	#
12)	Z	n-Decane	7.152	7.151	639839	94911	92.775	NoCal	#
13)	Z	n-Butylcy...	7.821	7.820	653306	389710	88.748	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	6459894	0	906.144	N.D.	#
15)	ZM	1,2,4-Tri...	7.715	7.715	903955	969951	NoCal	82.227	#
16)	XH	C9-C10 AR...	10.410	8.424	3	1525877	NoCal	129.356	#
17)	TM	Naphthalene	10.244	10.243	515479	739418	NoCal	72.546	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

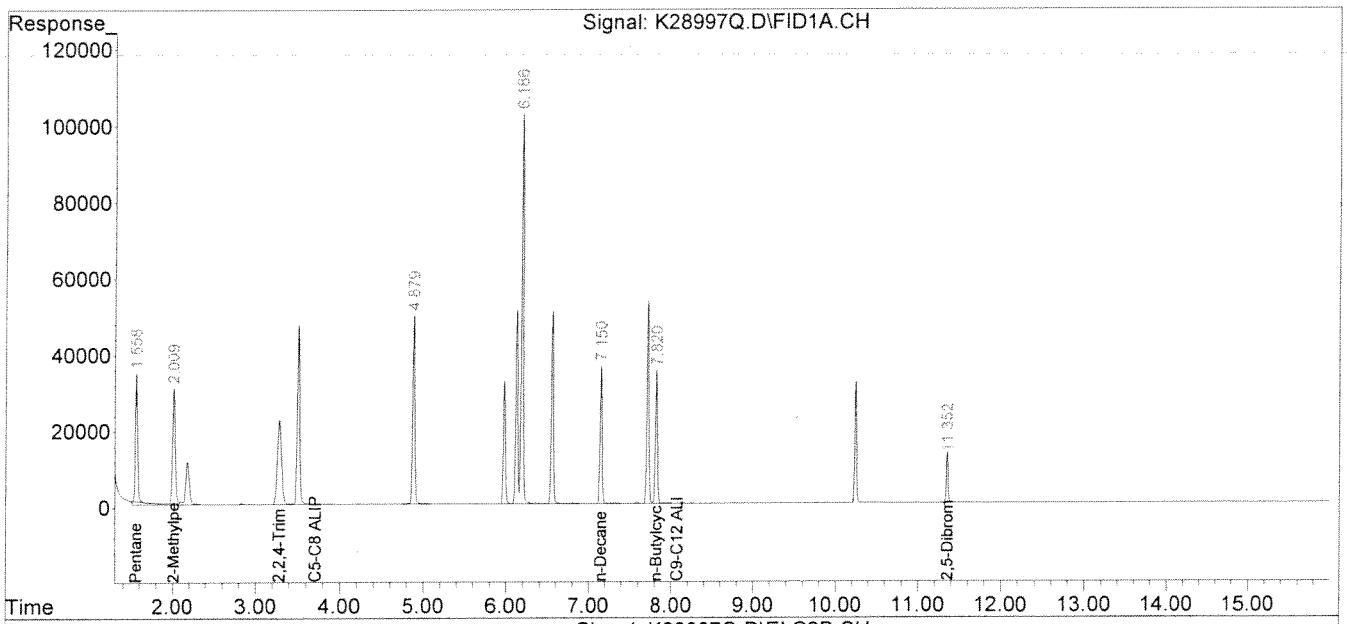
S92210

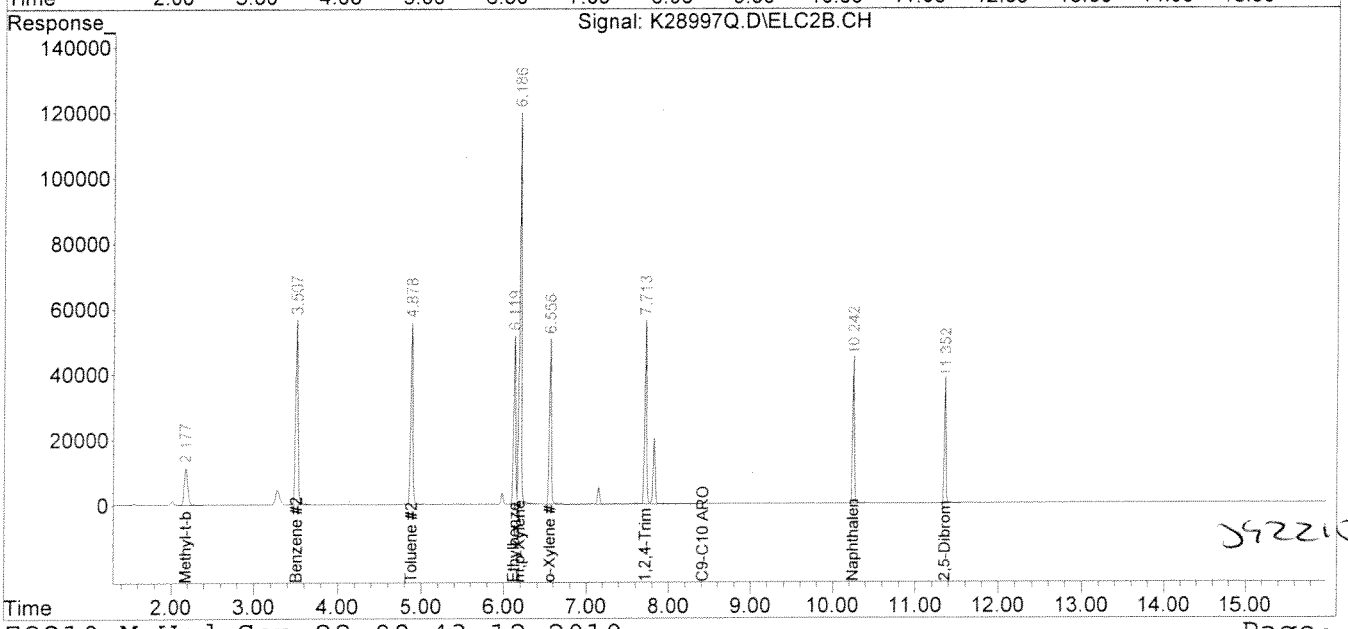
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K28997Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:54 am
Operator : JJL
Sample : LSV092110K
Misc : 100,10.00,SOIL
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 08:36:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J92210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K28998Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 8:19 am
Operator : JJL
Sample : LSV092110K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 08:36:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.353	11.353	232895	686163	79.180	86.934	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 79.18% 86.93%							
		Target Compounds							
1)	Z	Pentane	1.561	1.561	692857	9487	99.016	NoCal	#
2)	Z	2-Methylp...	2.011	2.010	785209	29922	95.935	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	364831	393280	NoCal	84.331	#
4)	Z	2,2,4-Tri...	3.281	3.280	776410	163880	100.612	NoCal	#
5)	TM	Benzene	3.509	3.509	968015	1174242	NoCal	90.241	#
6)	TM	Toluene	4.881	4.880	953361	1077513	NoCal	90.353	#
7)	XH	C5-C8 ALI...	3.717	0.000	4785213	0	653.303	N.D.	#
9)	TM	Ethylbenzene	6.121	6.121	947296	961371	NoCal	87.987	#
10)	TM	m,p-Xylene	6.188	6.188	1920578	2271372	NoCal	181.042	#
11)	TM	o-Xylene	6.558	6.557	952591	957691	NoCal	85.614	#
12)	Z	n-Decane	7.152	7.151	679047	100596	98.461	NoCal	#
13)	Z	n-Butylcy...	7.821	7.821	692389	409774	94.057	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	6843455	0	959.947	N.D.	#
15)	ZM	1,2,4-Tri...	7.715	7.715	959301	1023898	NoCal	86.801	#
16)	XH	C9-C10 AR...	10.410	8.424	24	1608618	NoCal	136.370	#
17)	TM	Naphthalene	10.244	10.243	573659	817407	NoCal	80.198	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

S92210

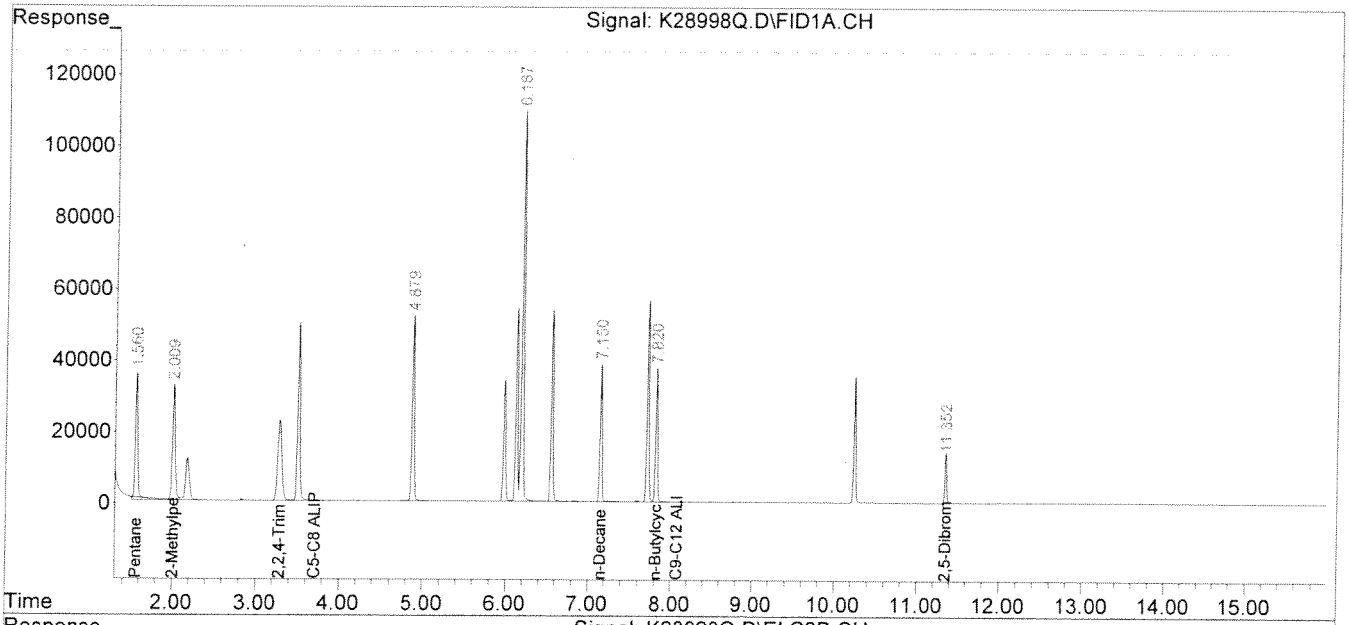
Quantitation Report (Not Reviewed)

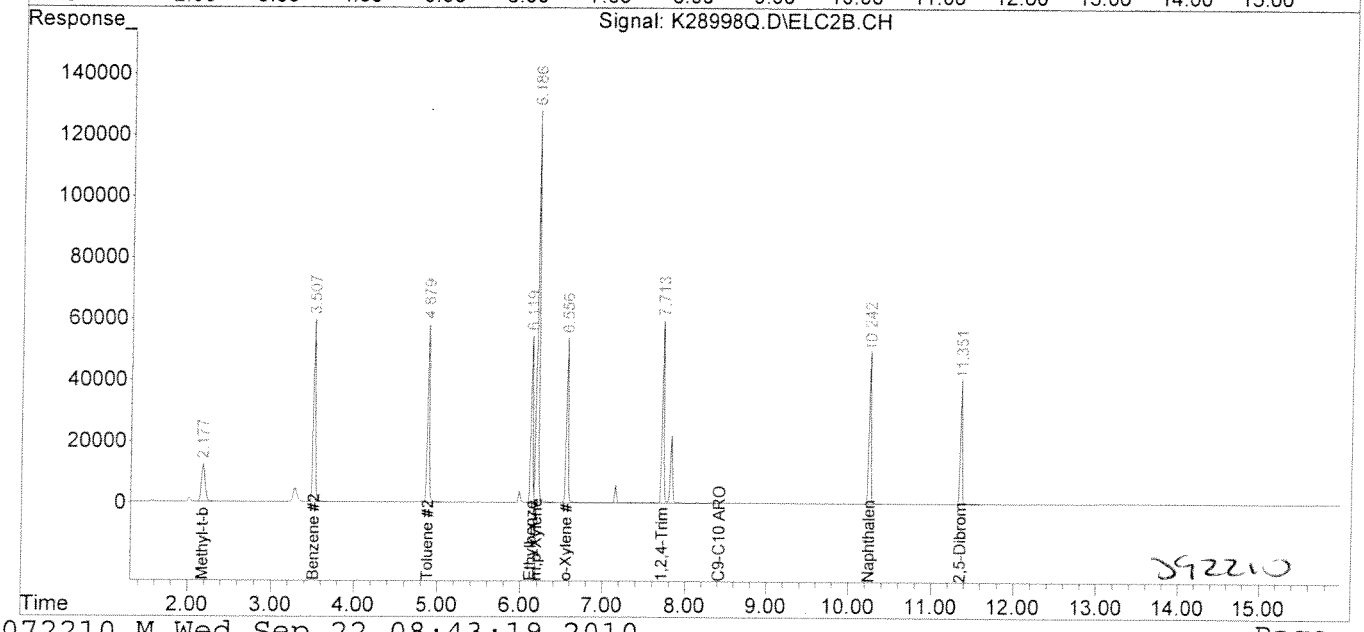
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K28998Q.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 8:19 am
Operator : JJL
Sample : LSV092110K2
Misc : 100,10.00,SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 08:36:03 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





S92210

analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: gg

Unload: gg

072210-K

VPH Surrogate: -

GAS/GRO Surrogate: -

BFB Only: -

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	~~07~~ VPH072210.M	BLK	5ml	–	–		K27978	JJL	n/a
2		VPH 100		200ul	V8896	✓, changed trap + baked	79SC		
3		BLK		–	–		80		
4		VPH 100		200ul	V8896	✓	81SC		
5		LSV072210K	100ml/5ml	5ml	V8899	↑ Pentane, changed sparge tube	82Q		
6		BLK	5ml	–	–		83		
7		LSV072210K.RR	100ml/5ml	5ml	V8899	↑ Pentane, Recal.	84Q		
8		BLK	5ml	–	–	CO concern	85		
9		VPH 1		2ml	V8910	✓	86SI		
10		VPH 2		4ml		✓	87SI		
11		VPH 5		10ml		✓	88SI		
12		VPH 20		40ml		✓	89SI		
13		VPH 50		100ml		✓	90SI		
14		VPH 100		200ml		✓	91SI		
15		VPH 200		400ml		✓	92SI		
16		BLK		–	–	CO concern	93		
17		VPH 500		1ml	V8910	✓	94SI		
18		BLK		–	–	CO concern	95		
19		LV072210K, ICV		100ml	V8898	✓	96Q		
20		VPH 100		200ml	V8910	✓ Test theory on mstr.	97		

gg 7/23/10

Analytics environmental laboratory LLC

GC Volatiles Instrument: K

Load: [illegible]

Unload: [illegible]

092110-K

VPH Surrogate: ① V9034 x 3/17/11 ② V9040 x 3/21/11

GAS/GRO Surrogate: –

BFB Only: –

Position	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	Analyst	pH
1	VPH072210.m	BLK	5mL	–	–		K28995	JJL	n/a
2		VPH 100		200uL	V9035	✓	96		
3		LSV092110K	100uL/5mL	5uL	V9033	✓	97		
4		LSV092110K2				✓	98		
5		BLK	5mL	–	–		99		
6		MBV092110K	100uL/5mL	10uL	V9034	surr fails, Remake std	K29000B		
7		MBV092110K2		10uL	V9040	✓	01B		
8		67833-1	100uL/5mL		①	✓	02		
9		-2				✓	03		
10		-3				✓	04		
11		-4				✓	05		
12		-5				✓	06		
13		-6				✓	07		
14		-7				✓	08		
15		-8				✓	09		
16		-9				RR str.	10		
17		-10				✓	11		
18		-11				RR str.	12		
19		-12				✓	13		
20		-13				✓	14		
21		-14				RR SX	15		
22		-15				RR str.	16		
23		-16				✓	17		
24		67835-6				✓	18		
25		VPH 100	5mL	200uL	V9035	✓	19SC		
26		~~VPH 100~~ LSV092110K3	100uL/5mL	5uL	V9033	✓] 2 ~~RPD hits, writeremo~~	20 ~~SC~~		
27		LSV092110K4				✓	21 Q		
28		BLK	5mL	–	–		22		
29		MBV092110K3	100uL/5mL	10uL	V9040	✓	23B		
30		67834-1			②	✓ 8.28	24		
31		-2				✓ 9.15	25		
32		-3				✓ 10.95	26		
33		-4				✓ 7.97	27		
34		-5				RR 8.26	28		
35		-7				RR str. 9.54	29		
36		-8				✓ 8.58	30		
37		-11				✓ 7.81	31		
38		-12				✓ 8.51	32		
39		-14				✓ 10.33	33		
40		-15				✓ 10.00	34		

(cont.)

Method Path : C:\msdchem\1\METHODS\
Method File : VPH072210.M
Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
Last Update : Fri Jul 23 15:04:23 2010
Response Via : Initial Calibration

Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

SB 7/26/10

		Compound	2	5	20	50	0.5	100	Avg	%RSD
1)	ZM	Pentane	6.623	6.311	7.147	7.202		7.570	6.997 E3	6.67
2)	ZM	2-Methylpentane	8.536	7.466	8.207	8.247		8.690	8.185 E3	5.68
3)	T	Methyl-t-buty...							0.000	-1.00
4)	ZM	2,2,4-Trimeth...	8.216	7.647	8.896	8.375		7.993	7.717 E3	12.43
5)	T	Benzene							0.000	-1.00
6)	T	Toluene							0.000	-1.00
7)	XH	C5-C8 ALIPHATICS	7.792	7.141	8.083	7.941		8.084	7.325 E3	12.19
8)		n-Nonane							0.000	-1.00
9)	T	Ethylbenzene							0.000	-1.00
10)	T	m,p-Xylene							0.000	-1.00
11)	T	o-Xylene							0.000	-1.00
12)	ZM	n-Decane	6.039	4.950	5.191	5.579		7.997	6.897 E3	23.76
13)	ZM	n-Butylcycloh...	6.357	6.435	6.593	6.777		8.029	7.361 E3	16.80
14)	XH	C9-C12 ALIPHA...	6.198	5.693	5.892	6.178		8.013	7.129 E3	19.33
15)	Z	1,2,4-Trimeth...							0.000	-1.00
16)	XH	C9-C10 AROMATICS							0.000	-1.00
17)	T	Naphthalene							0.000	-1.00
18)	S	2,5-Dibromoto...	3.791	2.742	2.584	2.712		2.859	2.941 E3	13.62

Signal #2 Calibration Files

2	=K27987SI.D	5	=K27988SI.D	20	=K27989SI.D
50	=K27990SI.D	0.5	=K25795SI.D	100	=K27991SI.D

MAT 7/26/10

		Compound	2	5	20	50	0.5	100	Avg	%RSD
1)	Z	Pentane							0.000	-1.00
2)	Z	2-Methylpentane							0.000	-1.00
3)	TM	Methyl-t-buty...	5.373	4.158	4.484	4.526		4.479	4.664 E3	12.22
4)	Z	2,2,4-Trimeth...							0.000	-1.00
5)	TM	Benzene	1.280	1.265	1.309	1.312		1.321	1.301 E4	1.56
6)	TM	Toluene	1.248	1.135	1.190	1.197		1.223	1.193 E4	3.83
7)	XH	C5-C8 ALIPHATICS							0.000	-1.00
8)		n-Nonane							0.000	-1.00
9)	TM	Ethylbenzene	1.177	0.993	1.048	1.061		1.087	1.093 E4	6.11
10)	TM	m,p-Xylene	1.224	1.143	1.234	1.248		1.283	1.255 E4	5.18
11)	TM	o-Xylene	1.143	0.990	1.048	1.062		1.083	1.119 E4	12.52
12)	Z	n-Decane							0.000	-1.00
13)	Z	n-Butylcycloh...							0.000	-1.00
14)	XH	C9-C12 ALIPHA...							0.000	-1.00
15)	ZM	1,2,4-Trimeth...	1.101	0.986	1.065	1.097		1.136	1.180 E4	20.03
16)	XH	C9-C10 AROMATICS	1.101	0.986	1.065	1.097		1.136	1.180 E4	20.03
17)	TM	Naphthalene	1.007	0.881	0.939	0.971		0.997	1.019 E4	14.63
18)	S	2,5-Dibromoto...	8.562	6.808	7.149	7.585		8.153	7.893 E3	9.31

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27986SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:32 pm
Operator : JJL
Sample : VPH 1 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JJL 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.356	11.355	4554	12231	1.904	1.793	
		Spiked Amount	100.000	Range	70 - 130	Recovery	=	1.90%#	1.79%#
		Target Compounds							
1)	Z	Pentane	1.559	1.562	4137	657	0.860	NoCal	#
2)	Z	2-Methylp...	2.008	2.005	6649	1753	0.960	NoCal	#
3)	TM	Methyl-t-...	2.181	2.179	5383	5724	NoCal	1.331	#
4)	Z	2,2,4-Tri...	3.278	3.290	6186	1603	0.933	NoCal	#
5)	TM	Benzene	3.509	3.509	10306	12912	NoCal	0.976	#
6)	TM	Toluene	4.881	4.881	11637	11146	NoCal	0.911	#
7)	XH	C5-C8 ALI...	3.717	0.000	105864	0	17.864	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	10665	11978	NoCal	1.131	#
10)	TM	m,p-Xylene	6.188	6.187	19542	27513	NoCal	2.221	#
11)	TM	o-Xylene	6.559	6.558	11046	14480	NoCal	1.353	#
12)	Z	n-Decane	7.153	7.154	7705	7492	1.316	NoCal	#
13)	Z	n-Butylcy...	7.823	7.821	6464	9529	1.010	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	146965	0	23.983	N.D.	#
15)	ZM	1,2,4-Tri...	7.715	7.715	12192	17478	NoCal	1.643	#
16)	XH	C9-C10 AR...	10.410	8.424	7	261207	NoCal	24.557	#
17)	TM	Naphthalene	10.246	10.246	7968	13733	NoCal	1.637	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

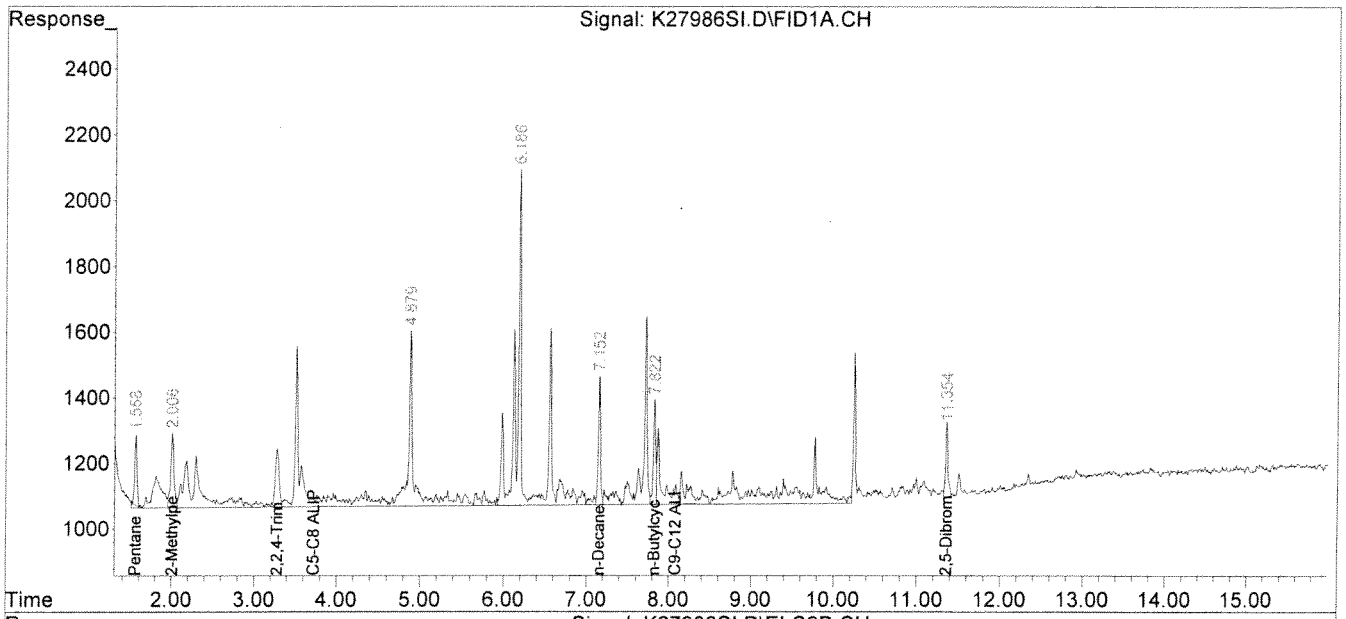
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27986SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:32 pm
Operator : JJL
Sample : VPH 1 UG/L
Misc : 5000
ALS Vial : 9 Sample Multiplier: 1

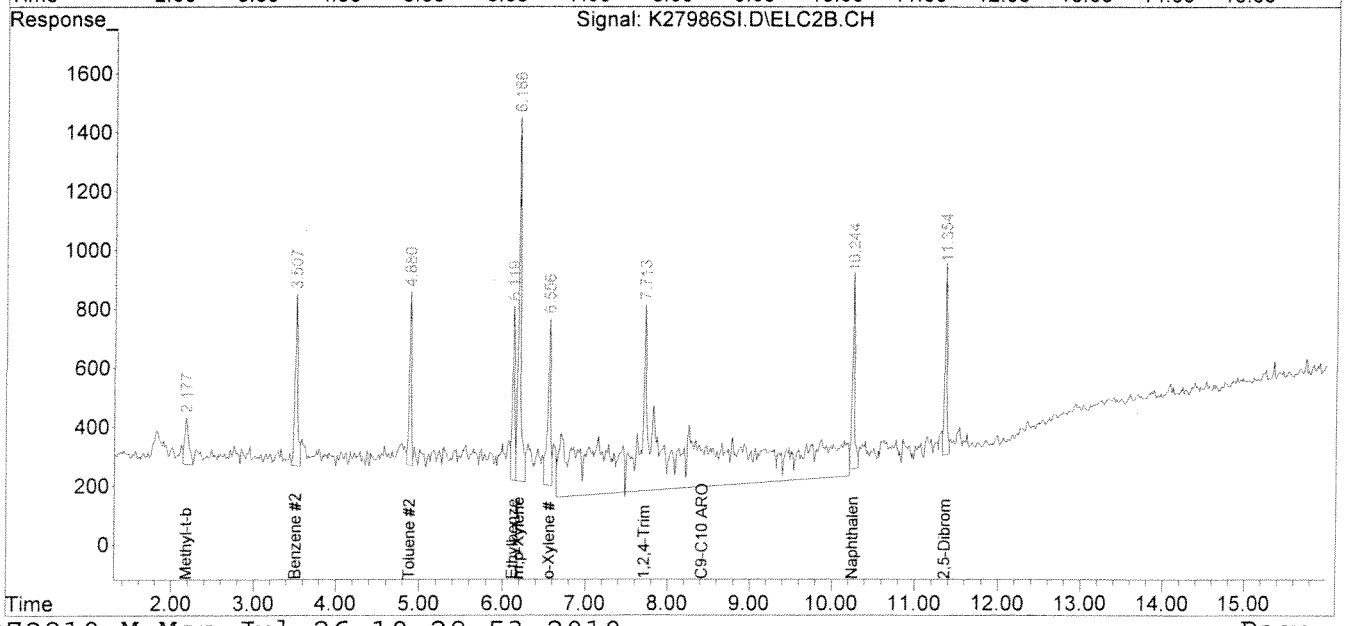
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:26 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27987SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:57 pm
Operator : JJL
Sample : VPH 2 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
18) S	2,5-Dibro...	11.355	11.355	7582	17124	3.170	2.511
Spiked Amount		100.000	Range	70 - 130	Recovery	=	3.17%# 2.51%#
	Target Compounds						
1) Z	Pentane	1.559	1.576	13246	196	2.755	NoCal #
2) Z	2-Methylp...	2.009	1.998	17073	1007	2.465	NoCal #
3) TM	Methyl-t-...	2.178	2.178	9810	10745	NoCal	2.499 #
4) Z	2,2,4-Tri...	3.278	3.279	16432	3496	2.477	NoCal #
5) TM	Benzene	3.510	3.509	21209	25596	NoCal	1.934 #
6) TM	Toluene	4.881	4.881	22868	24969	NoCal	2.041 #
7) XH	C5-C8 ALI...	3.717	0.000	155766	0	26.285	N.D. #
9) TM	Ethylbenzene	6.122	6.121	22182	23546	NoCal	2.223 #
10) TM	m,p-Xylene	6.188	6.187	42752	48976	NoCal	3.953 #
11) TM	o-Xylene	6.559	6.558	22078	22865	NoCal	2.136 #
12) Z	n-Decane	7.152	7.154	12077	2628	2.062	NoCal #
13) Z	n-Butylcy...	7.822	7.822	12714	7463	1.987	NoCal #
14) XH	C9-C12 AL...	8.070	0.000	195953	0	31.978	N.D. #
15) ZM	1,2,4-Tri...	7.716	7.716	21313	22012	NoCal	2.069 #
16) XH	C9-C10 AR...	10.410	8.424	17	86037	NoCal	8.089 #
17) TM	Naphthalene	10.246	10.246	13937	20141	NoCal	2.402 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

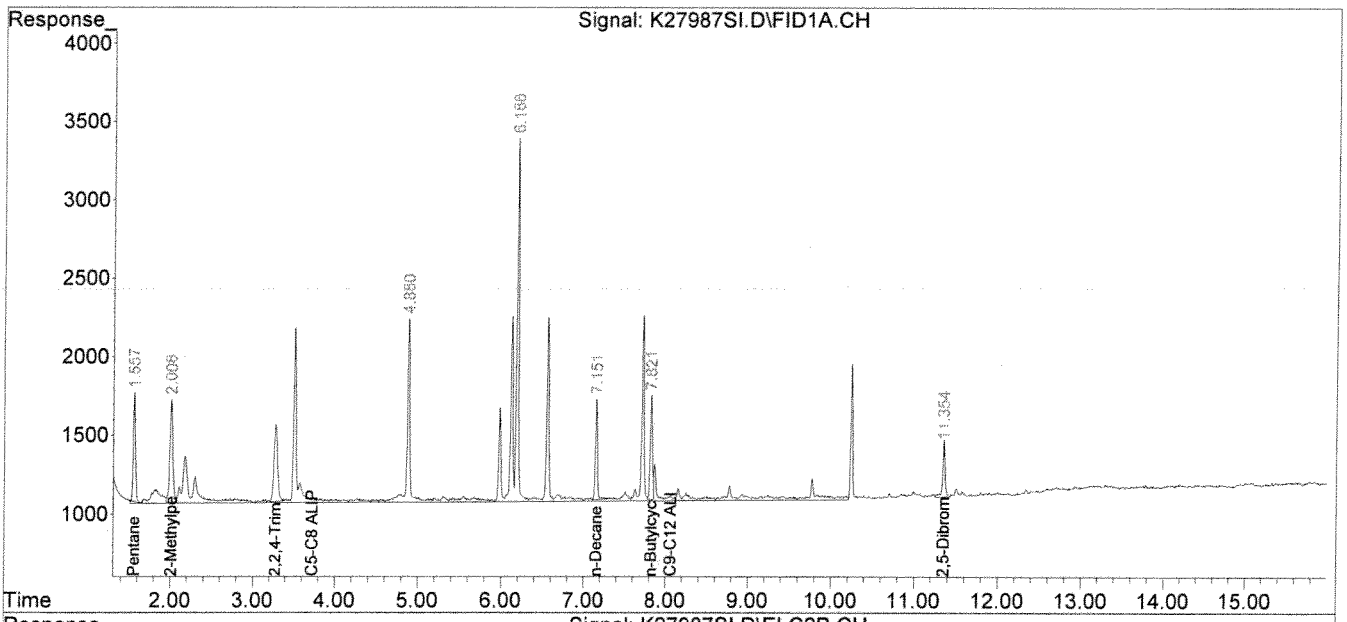
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27987SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 4:57 pm
Operator : JJL
Sample : VPH 2 UG/L
Misc : 5000
ALS Vial : 10 Sample Multiplier: 1

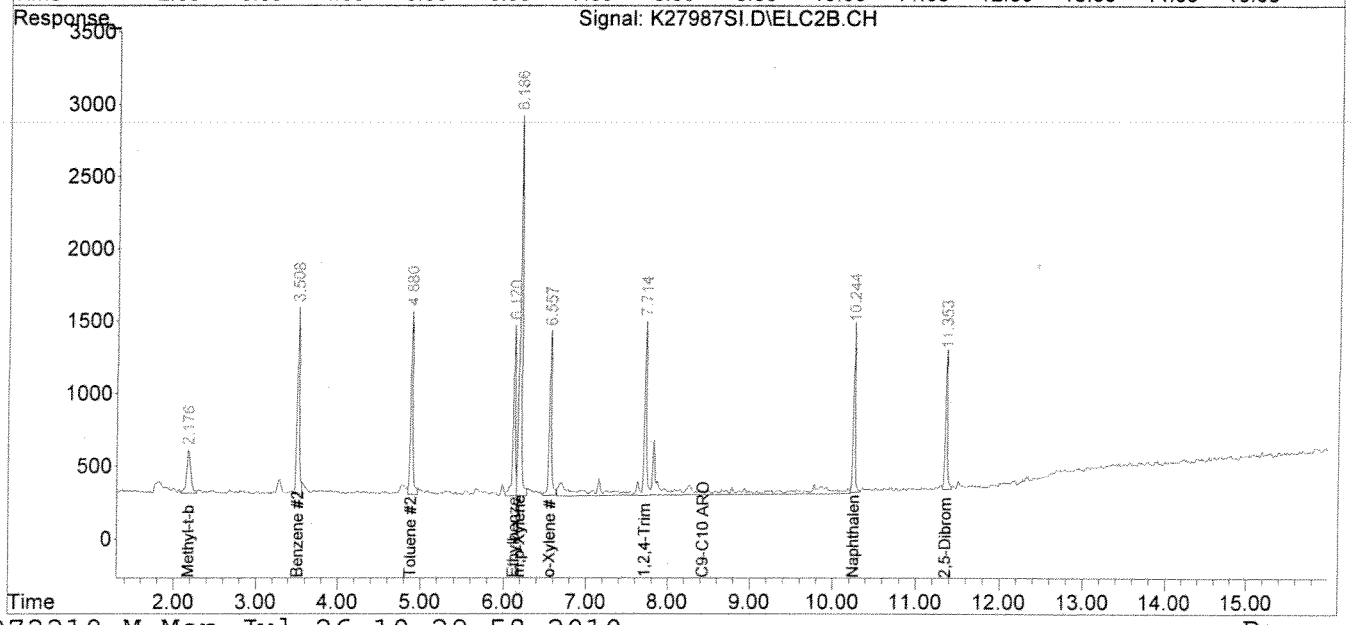
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

SS 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27988SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:21 pm
Operator : JJL
Sample : VPH 5 UG/L
Misc : 5000
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	13711	34040	5.732	4.991	
		Spiked Amount	100.000	Range	70 - 130	Recovery	=	5.73%#	4.99%#
		Target Compounds							
1)	Z	Pentane	1.559	1.560	31554	800	6.563	NoCal	#
2)	Z	2-Methylp...	2.009	2.013	37332	935	5.389	NoCal	#
3)	TM	Methyl-t-...	2.178	2.177	21475	20790	NoCal	4.835	#
4)	Z	2,2,4-Tri...	3.278	3.278	38234	8636	5.764	NoCal	#
5)	TM	Benzene	3.509	3.509	49820	63236	NoCal	4.778	#
6)	TM	Toluene	4.881	4.881	51479	56741	NoCal	4.637	#
7)	XH	C5-C8 ALI...	3.717	0.000	284049	0	47.932	N.D.	#
9)	TM	Ethylbenzene	6.122	6.122	49284	49672	NoCal	4.690	#
10)	TM	m,p-Xylene	6.188	6.187	97868	114256	NoCal	9.222	#
11)	TM	o-Xylene	6.559	6.558	49457	49516	NoCal	4.627	#
12)	Z	n-Decane	7.152	7.152	24751	4594	4.226	NoCal	#
13)	Z	n-Butylcy...	7.822	7.822	32177	18542	5.028	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	377560	0	61.614	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	47838	49294	NoCal	4.634	#
16)	XH	C9-C10 AR...	10.410	8.424	21	117184	NoCal	11.017	#
17)	TM	Naphthalene	10.246	10.245	31659	44071	NoCal	5.255	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

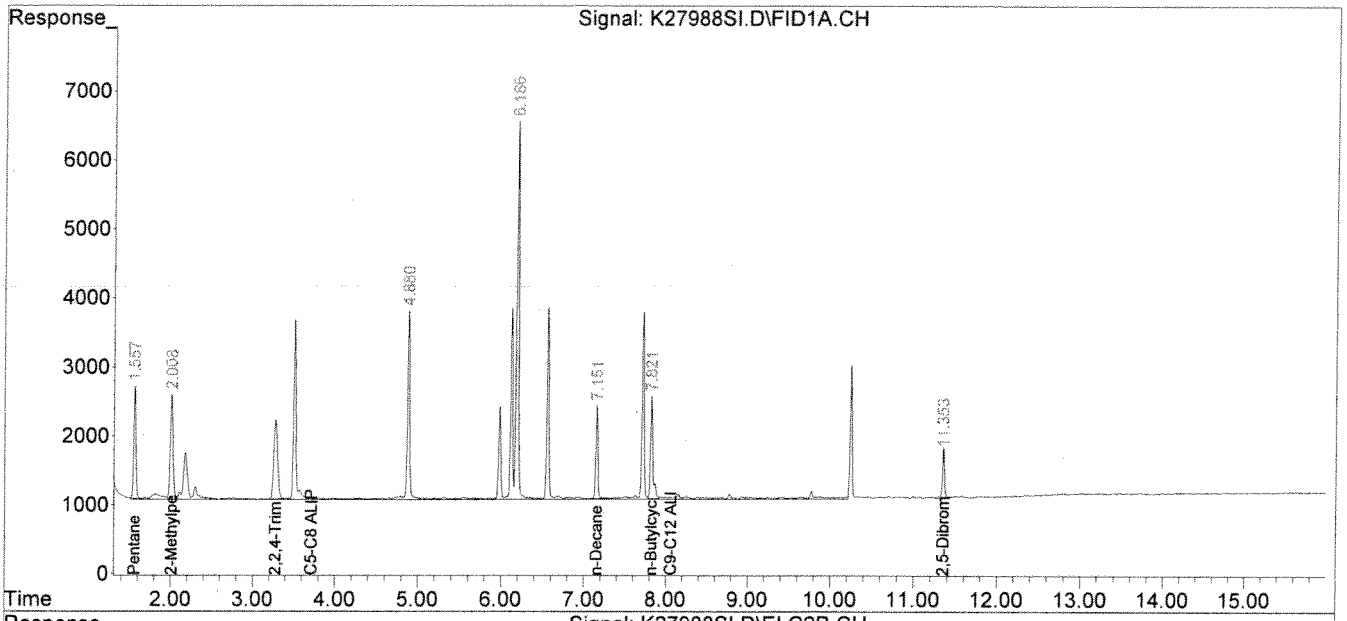
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27988SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:21 pm
Operator : JJL
Sample : VPH 5 UG/L
Misc : 5000
ALS Vial : 11 Sample Multiplier: 1

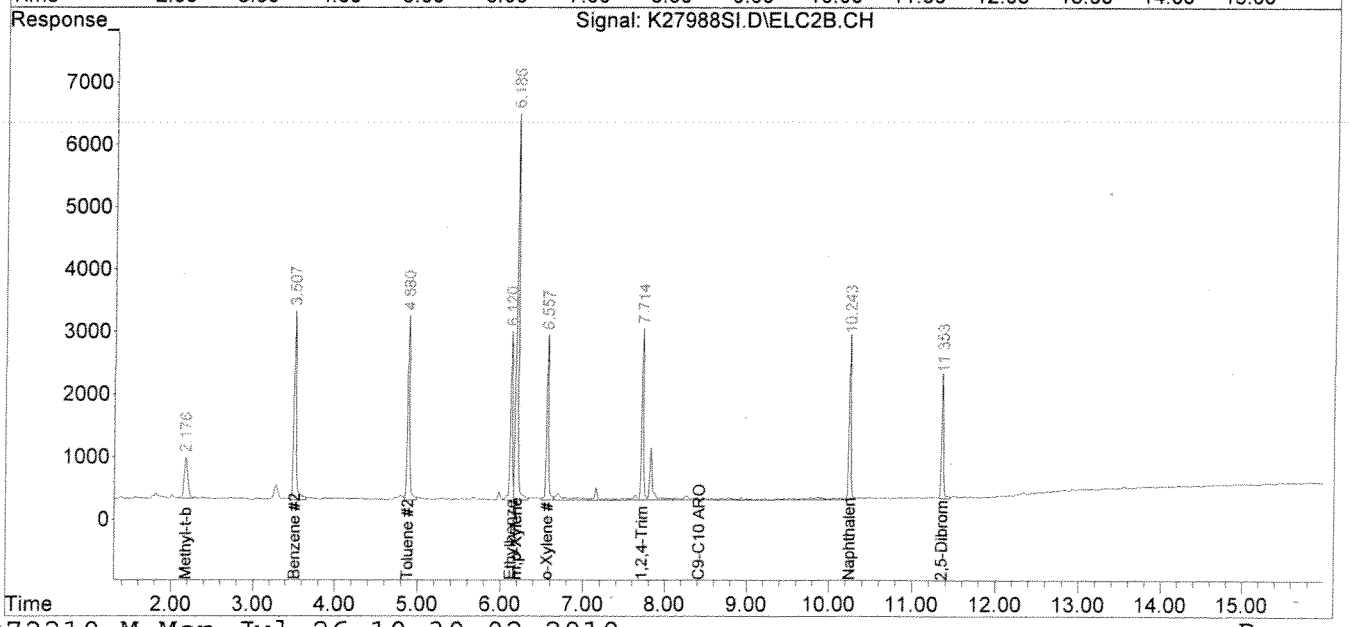
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:36 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

MTT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27989SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:46 pm
Operator : JJL
Sample : VPH 20 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
18)	S	2,5-Dibro...	11.354	11.354	51672	142985	21.603	20.965
		Spiked Amount 100.000 Range 70 - 130 Recovery = 21.60%# 20.97%#						
		Target Compounds						
1)	Z	Pentane	1.558	1.560	142930	1914	29.727	NoCal #
2)	Z	2-Methylp...	2.009	2.009	164135	6953	23.695	NoCal #
3)	TM	Methyl-t-...	2.177	2.177	86452	89681	NoCal	20.858 #
4)	Z	2,2,4-Tri...	3.279	3.279	177924	37078	26.823	NoCal #
5)	TM	Benzene	3.509	3.508	224880	261797	NoCal	19.781 #
6)	TM	Toluene	4.881	4.881	219703	238095	NoCal	19.458 #
7)	XH	C5-C8 ALI...	3.717	0.000	1082237	0	182.622	N.D. #
9)	TM	Ethylbenzene	6.122	6.121	214077	209568	NoCal	19.787 #
10)	TM	m,p-Xylene	6.188	6.187	432228	493591	NoCal	39.840 #
11)	TM	o-Xylene	6.559	6.558	216641	209641	NoCal	19.588 #
12)	Z	n-Decane	7.152	7.152	103821	15722	17.728	NoCal #
13)	Z	n-Butylcy...	7.822	7.821	131857	75965	20.605	NoCal #
14)	XH	C9-C12 AL...	8.070	0.000	1472392	0	240.281	N.D. #
15)	ZM	1,2,4-Tri...	7.716	7.715	208184	213051	NoCal	20.030 #
16)	XH	C9-C10 AR...	10.410	8.424	15	359365	NoCal	33.786 #
17)	TM	Naphthalene	10.245	10.245	135712	187732	NoCal	22.384 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

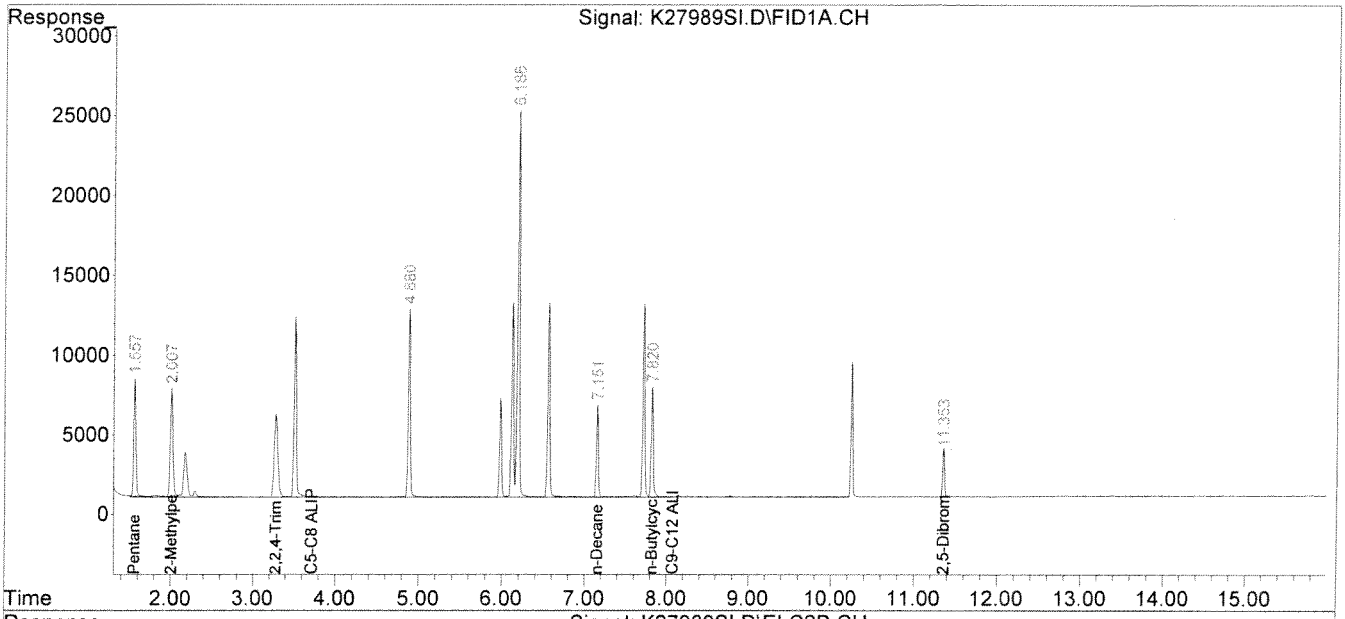
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27989SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 5:46 pm
Operator : JJL
Sample : VPH 20 UG/L
Misc : 5000
ALS Vial : 12 Sample Multiplier: 1

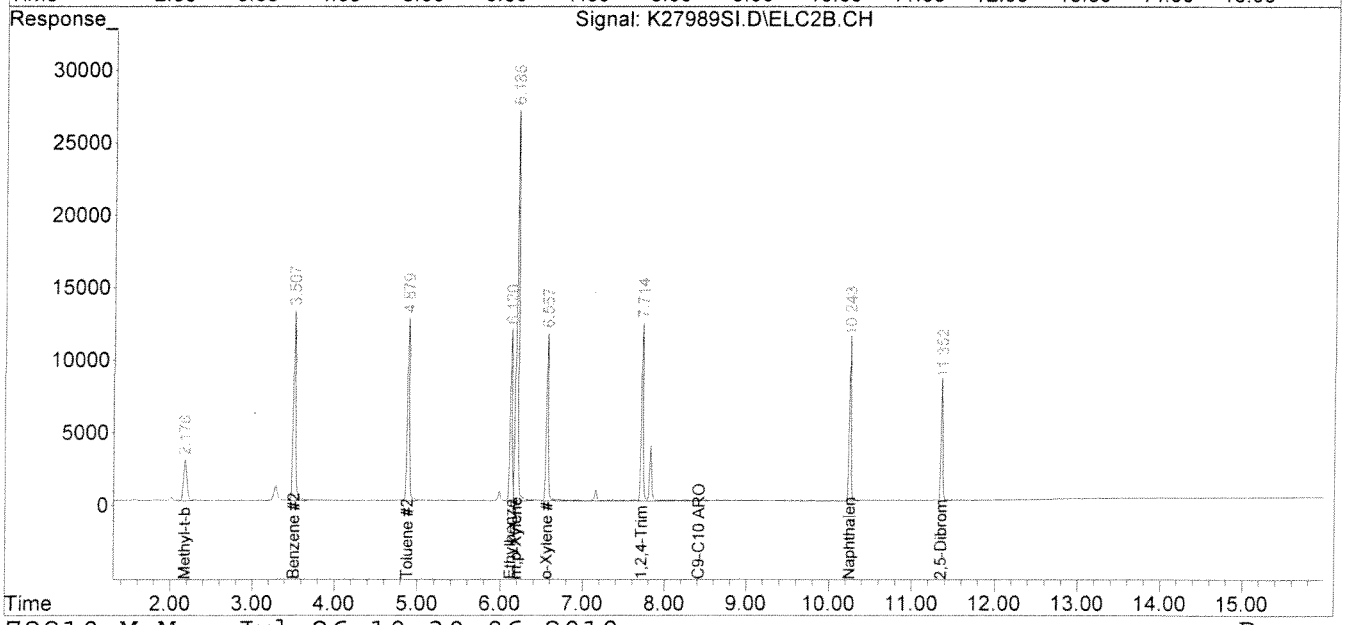
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:40 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27990SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:11 pm
Operator : JJL
Sample : VPH 50 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10
VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.355	11.354	135586	379266	56.686	55.609	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	56.69%#	55.61%#
	Target Compounds							
1) Z	Pentane	1.559	1.559	360111	5164	74.896	NoCal	#
2) Z	2-Methylp...	2.009	2.009	412339	16154	59.526	NoCal	#
3) TM	Methyl-t-...	2.177	2.177	219837	226301	NoCal	52.632	#
4) Z	2,2,4-Tri...	3.280	3.280	418763	84499	63.131	NoCal	#
5) TM	Benzene	3.509	3.509	555846	656084	NoCal	49.572	#
6) TM	Toluene	4.881	4.881	551311	598686	NoCal	48.928	#
7) XH	C5-C8 ALI...	3.717	0.000	2615450	0	441.343	N.D.	#
9) TM	Ethylbenzene	6.122	6.121	541215	530358	NoCal	50.076	#
10) TM	m,p-Xylene	6.188	6.188	1097619	1247921	NoCal	100.725	#
11) TM	o-Xylene	6.559	6.558	547299	530782	NoCal	49.594	#
12) Z	n-Decane	7.152	7.152	278934	40496	47.630	NoCal	#
13) Z	n-Butylcy...	7.822	7.821	338833	193986	52.948	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	3696091	0	603.168	N.D.	#
15) ZM	1,2,4-Tri...	7.716	7.715	533627	548257	NoCal	51.544	#
16) XH	C9-C10 AR...	10.410	8.424	54	849808	NoCal	79.895	#
17) TM	Naphthalene	10.245	10.245	353200	485287	NoCal	57.862	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

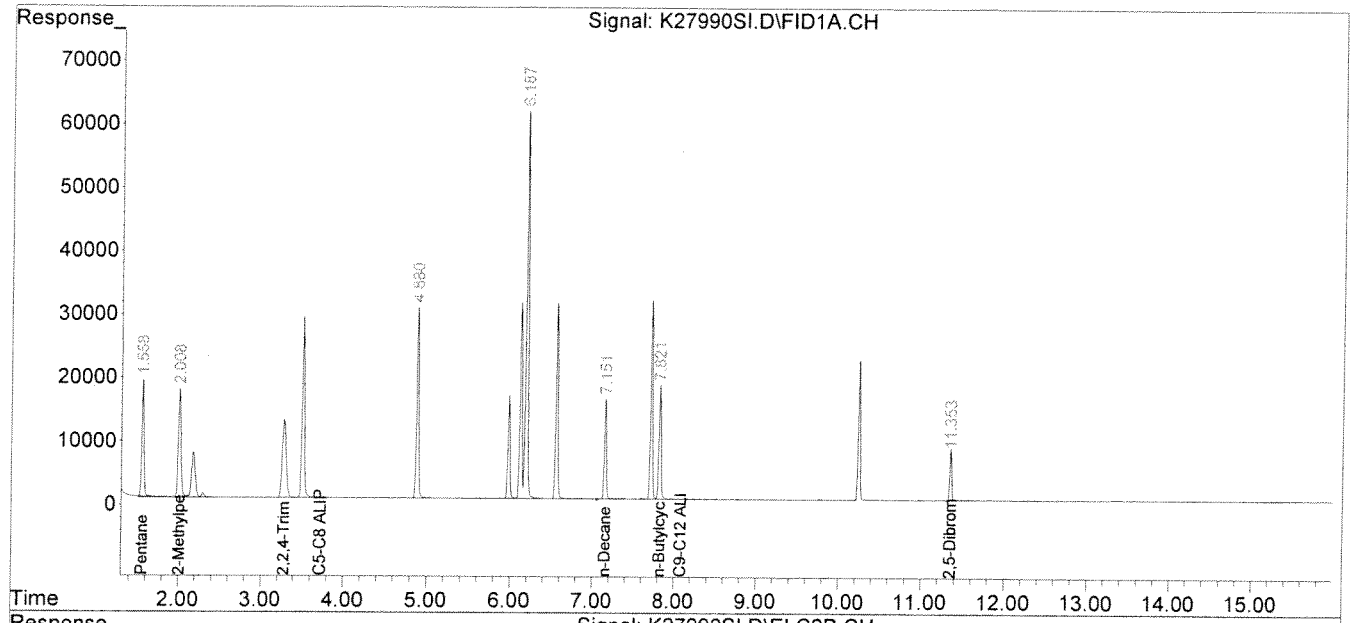
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27990SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:11 pm
Operator : JJL
Sample : VPH 50 UG/L
Misc : 5000
ALS Vial : 13 Sample Multiplier: 1

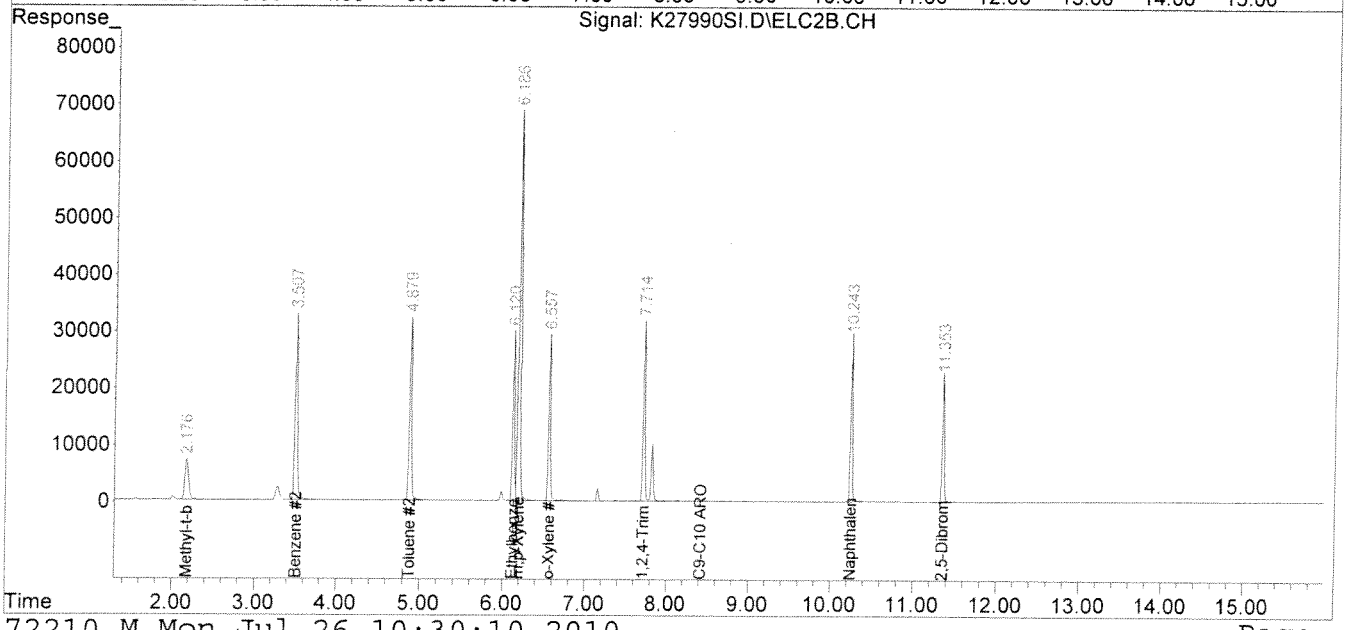
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:44 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27991SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:36 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:12:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.355	11.354	285904	815340	97.202	103.300	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	97.20%	103.30%
	Target Compounds							
1) Z	Pentane	1.559	1.559	757038	9686	108.188	NoCal	#
2) Z	2-Methylp...	2.009	2.009	868989	32171	106.171	NoCal	#
3) TM	Methyl-t-...	2.178	2.177	438527	447939	NoCal	96.052	#
4) Z	2,2,4-Tri...	3.280	3.280	799271	162150	103.574	NoCal	#
5) TM	Benzene	3.510	3.509	1127517	1320966	NoCal	101.517	#
6) TM	Toluene	4.882	4.881	1117393	1223183	NoCal	102.568	#
7) XH	C5-C8 ALI...	3.717	0.000	5246542	0	716.286	N.D.	#
9) TM	Ethylbenzene	6.123	6.122	1106103	1087175	NoCal	99.501	#
10) TM	m,p-Xylene	6.190	6.189	2249248	2565975	NoCal	204.524	#
11) TM	o-Xylene	6.560	6.559	1115798	1082680	NoCal	96.788	#
12) Z	n-Decane	7.153	7.153	799691	117574	115.954	NoCal	#
13) Z	n-Butylcy...	7.823	7.822	802941	461864	109.075	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	7979371	0	1119.285	N.D.	#
15) ZM	1,2,4-Tri...	7.717	7.716	1100720	1135642	NoCal	96.274	#
16) XH	C9-C10 AR...	10.410	8.424	20	1807342	NoCal	153.217	#
17) TM	Naphthalene	10.246	10.245	721604	997055	NoCal	97.824	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

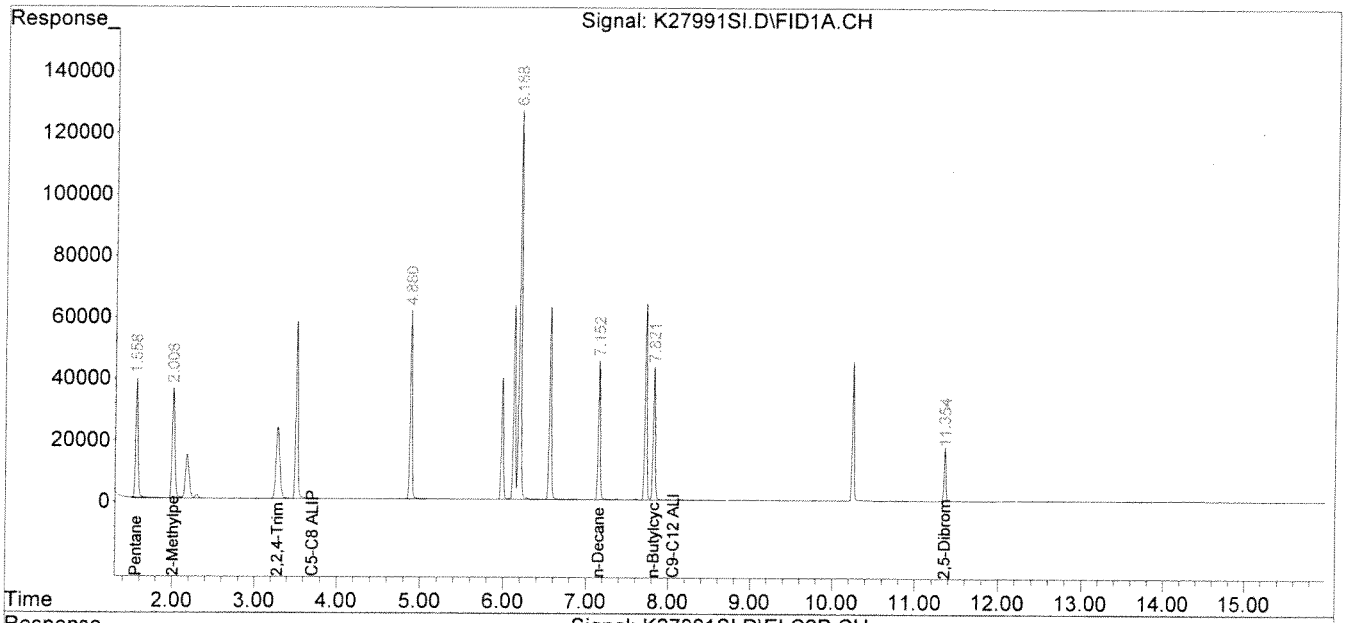
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27991SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 6:36 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 14 Sample Multiplier: 1

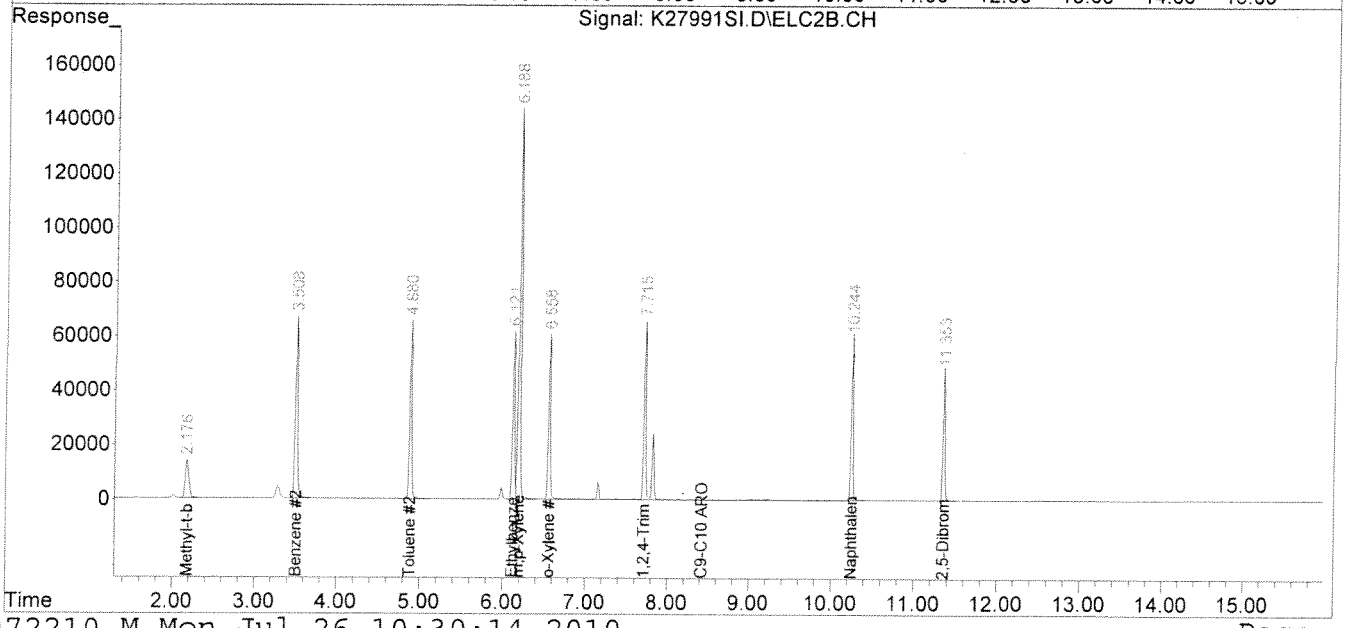
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:12:32 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

VMT 7/26/10





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27992SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:00 pm
Operator : JJL
Sample : VPH 200 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gs 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
18) S	2,5-Dibro...	11.356	11.355	573767	1641106	239.880	240.622	
Spiked Amount		100.000	Range	70 - 130	Recovery	=	239.88%#	240.62%#
	Target Compounds							
1) Z	Pentane	1.560	1.559	1489524	22671	309.791	NoCal	#
2) Z	2-Methylp...	2.010	2.009	1701064	67354	245.570	NoCal	#
3) TM	Methyl-t-...	2.178	2.178	852664	873179	NoCal	203.081	#
4) Z	2,2,4-Tri...	3.281	3.281	1341020	278226	202.168	NoCal	#
5) TM	Benzene	3.510	3.509	2234430	2633185	NoCal	198.955	#
6) TM	Toluene	4.883	4.882	2222155	2428518	NoCal	198.472	#
7) XH	C5-C8 ALI...	3.717	0.000	10054754	0	1696.684	N.D.	#
9) TM	Ethylbenzene	6.124	6.124	2202865	2170453	NoCal	204.931	#
10) TM	m,p-Xylene	6.191	6.191	4475121	5070193	NoCal	409.237	#
11) TM	o-Xylene	6.560	6.560	2219154	2155584	NoCal	201.411	#
12) Z	n-Decane	7.154	7.154	1731319	253392	295.635	NoCal	#
13) Z	n-Butylcy...	7.823	7.823	1724578	987446	269.494	NoCal	#
14) XH	C9-C12 AL...	8.070	0.000	16235446	0	2649.476	N.D.	#
15) ZM	1,2,4-Tri...	7.717	7.717	2196553	2270927	NoCal	213.501	#
16) XH	C9-C10 AR...	10.410	8.424	218	3642615	NoCal	342.460	#
17) TM	Naphthalene	10.247	10.246	1421440	1959201	NoCal	233.600	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

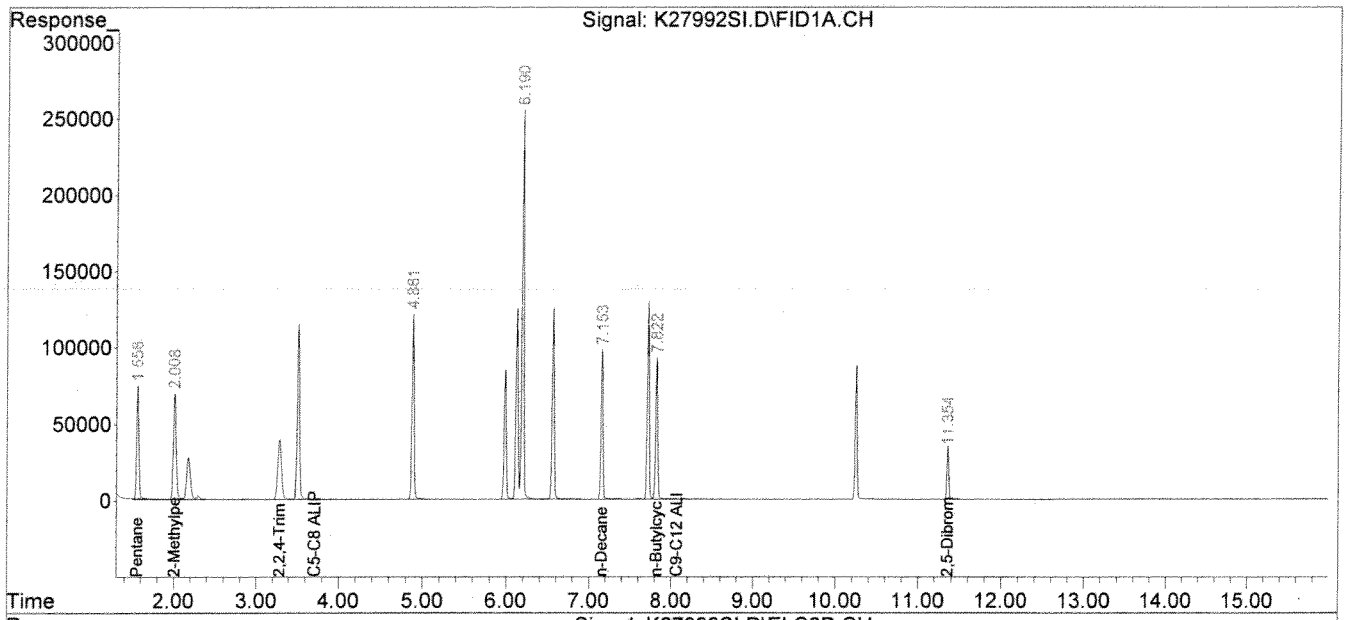
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27992SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:00 pm
Operator : JJL
Sample : VPH 200 UG/L
Misc : 5000
ALS Vial : 15 Sample Multiplier: 1

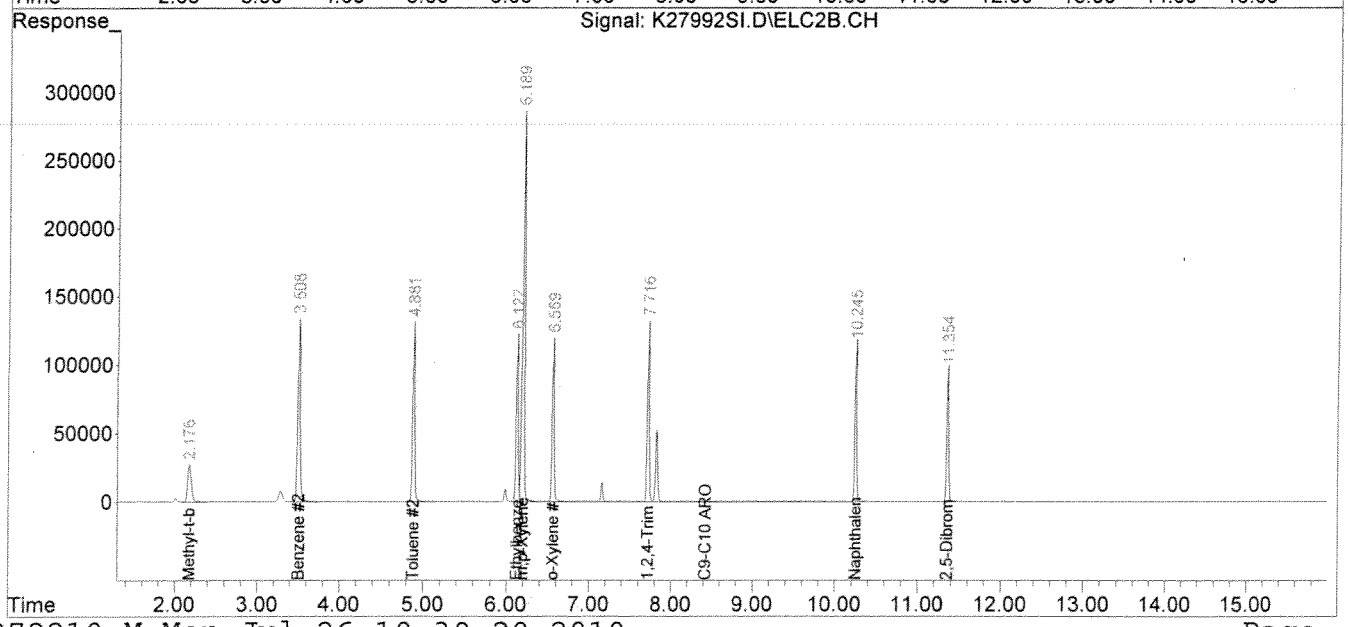
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:21:54 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

JMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27994SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:50 pm
Operator : JJL
Sample : VPH 500 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:22:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.358	11.358	1516288	4393616	633.927	644.200	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 633.93%# 644.20%#							
		Target Compounds							
1)	Z	Pentane	1.563	1.563	3340630	49930	694.784	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	3820973	149080	551.605	NoCal	#
3)	TM	Methyl-t-...	2.179	2.179	2093459	2099278	NoCal	488.244	#
4)	Z	2,2,4-Tri...	3.281	3.281	2355729	492506	355.142	NoCal	#
5)	TM	Benzene	3.512	3.511	5595001	6576942	NoCal	496.932	#
6)	TM	Toluene	4.885	4.884	5572149	6086295	NoCal	497.405	#
7)	XH	C5-C8 ALI...	3.717	0.000	23833000	0	4021.686	N.D.	#
9)	TM	Ethylbenzene	6.128	6.127	5552765	5457691	NoCal	515.307	#
10)	TM	m,p-Xylene	6.198	6.197	11281535	12618733	NoCal	1018.513	#
11)	TM	o-Xylene	6.564	6.563	5686501	5485280	NoCal	512.526	#
12)	Z	n-Decane	7.158	7.157	4528311	672488	773.240	NoCal	#
13)	Z	n-Butylcy...	7.827	7.827	4806171	2727272	751.045	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	42134988	0	6876.044	N.D.	#
15)	ZM	1,2,4-Tri...	7.722	7.721	5665905	5848096	NoCal	549.808	#
16)	XH	C9-C10 AR...	10.410	8.424	201	9613009	NoCal	903.766	#
17)	TM	Naphthalene	10.250	10.249	3644004	5031020	NoCal	599.860	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

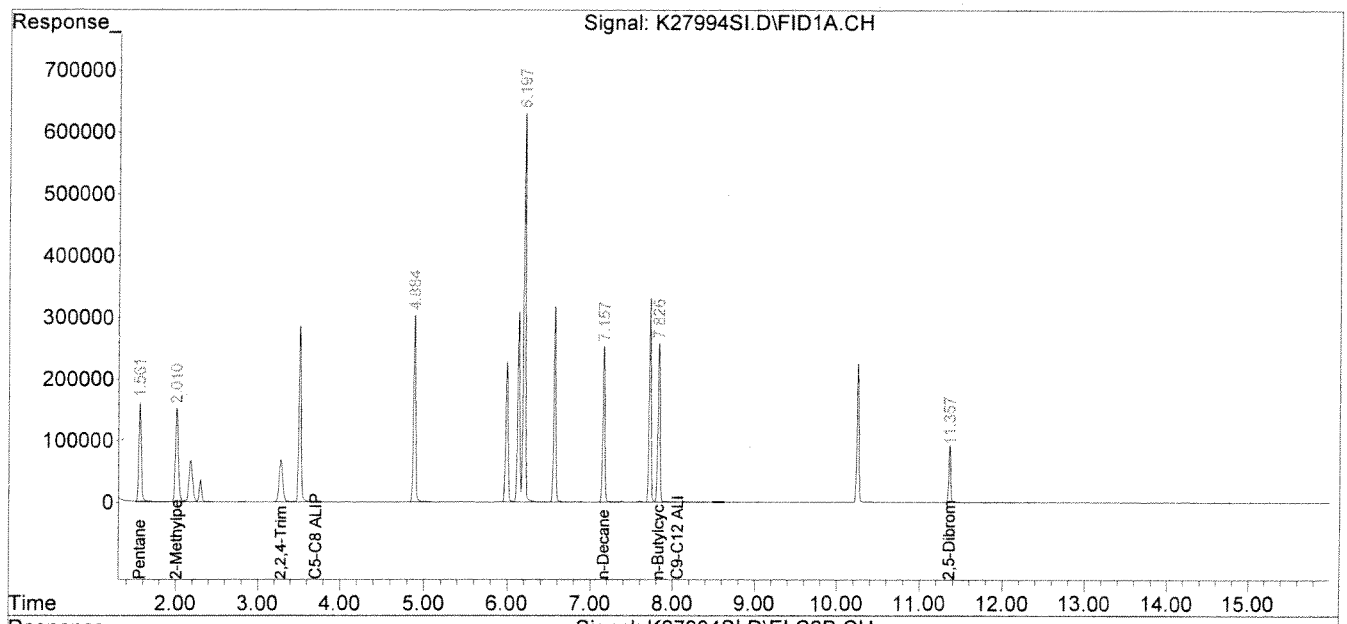
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27994SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 7:50 pm
Operator : JJL
Sample : VPH 500 UG/L
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

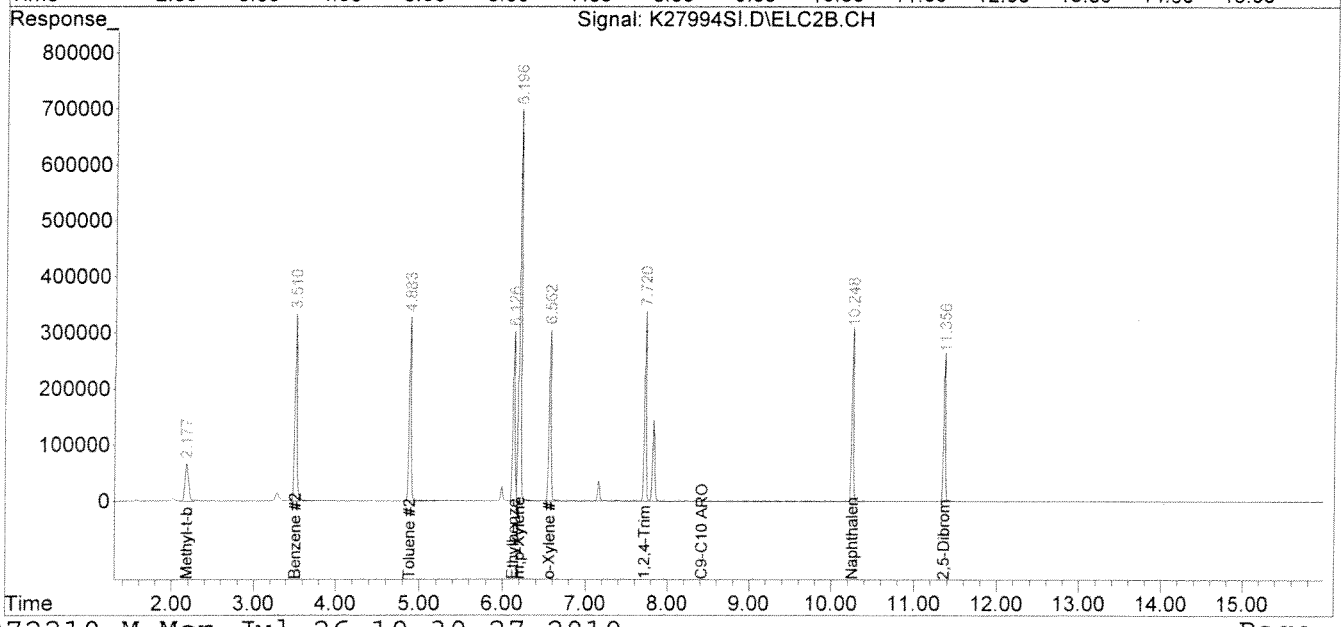
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 08:22:00 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Thu Jul 22 08:34:09 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

gg 7/26/10

JMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS AQUEOUS
LABORATORY CONTROL SAMPLE

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG:
Non-spiked sample: LV072210K,ICV
Spike: LV072210K,ICV

88 7/26/10

VMT 7/26/10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
Pentane	100	70	130	0.0	119	119	
2-Methylpentane	100	70	130	0.0	111	111	
2,2,4-Trimethylpentane	100	70	130	0.0	96	96	
n-Decane	100	70	130	0.0	111	111	
n-Butylcyclohexane	100	70	130	0.0	102	102	
Methyl-t-butylether #2	100	70	130	0.0	95	95	
Benzene #2	100	70	130	0.0	103	103	
Toluene #2	100	70	130	0.0	103	103	
Ethylbenzene #2	100	70	130	0.0	99	99	
m,p-Xylene #2	200	70	130	0.0	204	102	
o-Xylene #2	100	70	130	0.0	97	97	
1,2,4-Trimethylbenzene #2	100	70	130	0.0	97	97	
Naphthalene #2	100	70	130	0.0	100	100	
C5-C8 Aliphatics	300	70	130	0.0	326	109	
C9-C12 Aliphatics	200	70	130	0.0	213	107	
C9-C10 Aromatics #2	100	70	130	0.0	97	97	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VPH FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27996SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 8:40 pm
Operator : JJL
Sample : LV072210K,ICV
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound Compound	RT#1 RT#1	RT#2 RT#2	Resp#1 Resp#1	Resp#2 Resp#2	ug/L ug/L	ug/L ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.355	11.354	285249	798627	96.979	101.183	
Spiked Amount			100.000	Range	70 - 130	Recovery	=	96.98% ✓	101.18% ✓
		Target Compounds							
1)	Z	Pentane	1.561	1.561	834987	10878	119.328	NoCal	#
2)	Z	2-Methylp...	2.010	2.010	908647	31451	111.017	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	442200	444065	NoCal	95.221	#
4)	Z	2,2,4-Tri...	3.281	3.280	737656	145579	95.590	NoCal	#
5)	TM	Benzene	3.510	3.509	1150422	1337308	NoCal	102.773	#
6)	TM	Toluene	4.882	4.881	1133173	1225710	NoCal	102.780	#
7)	XH	C5-C8 ALI...	3.717	0.000	5289562	0	722.160	N.D.	#
9)	TM	Ethylbenzene	6.123	6.122	1116218	1086585	NoCal	99.447	#
10)	TM	m,p-Xylene	6.189	6.189	2257214	2559629	NoCal	204.018	#
11)	TM	o-Xylene	6.560	6.559	1125050	1087200	NoCal	97.192	#
12)	Z	n-Decane	7.153	7.153	765948	107246	111.061	NoCal	#
13)	Z	n-Butylcy...	7.823	7.822	751300	425339	102.060	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7886409	0	1106.244	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.716	1124367	1147407	NoCal	97.271	#
16)	XH	C9-C10 AR...	10.410	8.424	108	1773360	NoCal	150.336	#
17)	TM	Naphthalene	10.246	10.245	748130	1019126	NoCal	99.989	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

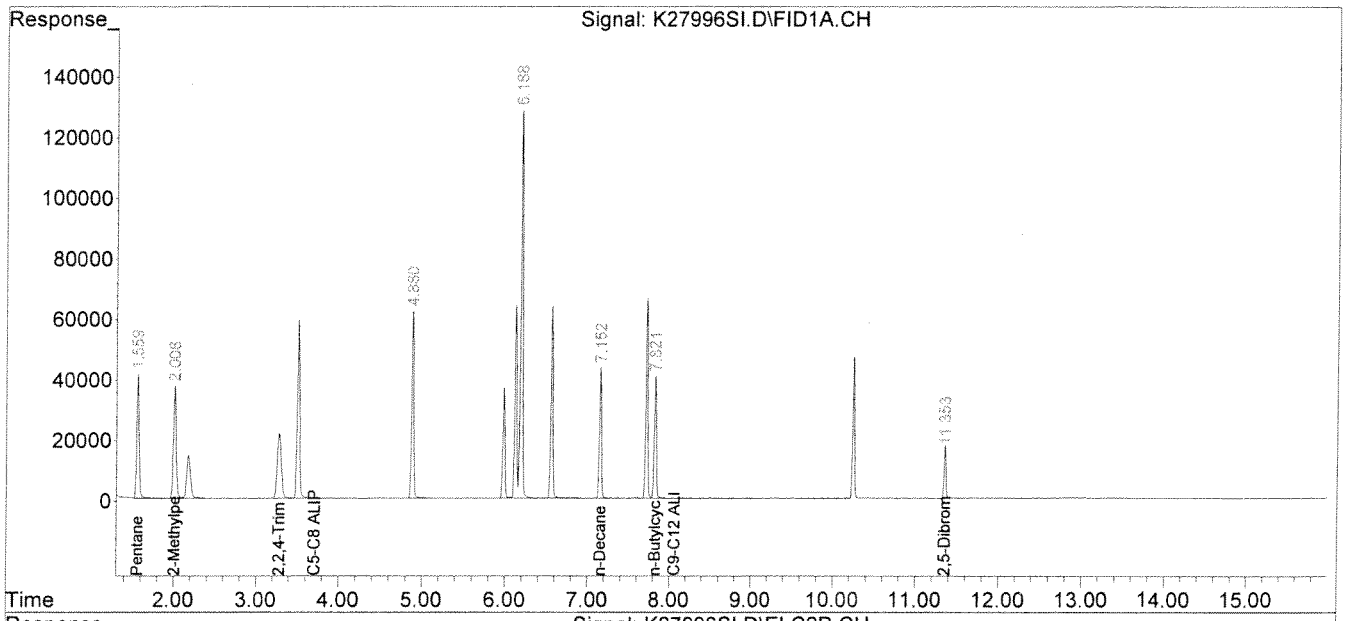
Data Path : C:\msdchem\1\DATA\072210-K\
Data File : K27996SI.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 22 Jul 2010 8:40 pm
Operator : JJL
Sample : LV072210K,ICV
Misc : 5000
ALS Vial : 19 Sample Multiplier: 1

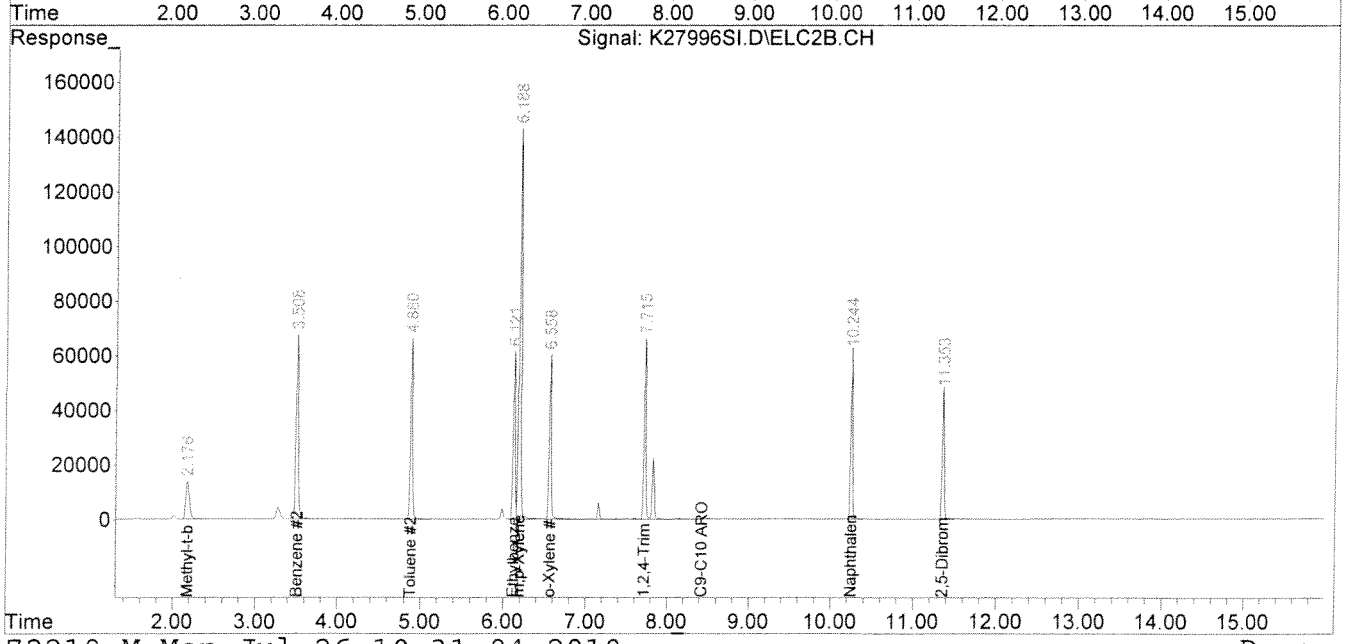
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 15:21:31 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 7/26/10

VMT 7/26/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K28996SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	97	3.0	
2-Methylpentane	99	1.4	
2,2,4-Trimethylpentane	113	13.1	
n-Decane	106	6.3	
n-Butylcyclohexane	100	0.5	
2,5-Dibromotoluene	79	20.6	
Methyl-t-butylether #2	88	11.7	
Benzene #2	98	1.5	
Toluene #2	100	0.5	
Ethylbenzene #2	96	3.7	
m,p-Xylene #2	199	0.7	
o-Xylene #2	95	5.5	
1,2,4-Trimethylbenzene #2	93	7.3	
Naphthalene #2	76	23.9	
2,5-Dibromotoluene #2	87	12.6	

gs 9/22/10

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

J92210

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K28996SC.D
Date Acquired 9/21/2010 7:16

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5597	1.5680	0.0083	0.0438	OK	97.04	2.96	OK
2-Methylpentane	2.0105	2.0150	0.0046	0.0447	OK	98.57	1.43	OK
2,2,4-Trimethylpentane	3.2806	3.2850	0.0044	0.0405	OK	113.08	13.08	OK
C5-C8 ALIPHATICS						308.69	2.90	OK
n-Decane	7.1519	7.1540	0.0021	0.0380	OK	106.34	6.34	OK
n-Butylcyclohexane	7.8215	7.8240	0.0025	0.0380	OK	99.52	0.48	OK
C9-C12 ALIPHATICS						205.85	2.93	OK
2,5-Dibromotoluene	11.3532	11.3580	0.0049	0.0380	OK	79.44	20.56	OK
PID								
Methyl-t-butylether #2	2.1780	2.1830	0.0050	0.0447	OK	88.33	11.67	OK
Benzene #2	3.5085	3.5120	0.0035	0.0380	OK	98.49	1.51	OK
Toluene #2	4.8804	4.8830	0.0026	0.0344	OK	99.53	0.47	OK
Ethylbenzene #2	6.1209	6.1240	0.0031	0.0344	OK	96.26	3.74	OK
m,p-Xylene #2	6.1878	6.1900	0.0022	0.0344	OK	198.55	0.72	OK
o-Xylene #2	6.5576	6.5610	0.0034	0.0344	OK	94.51	5.49	OK
1,2,4-Trimethylbenzene #2	7.7149	7.7180	0.0031	0.0344	OK	92.67	7.33	OK
C9-C10 AROMATICS #2						92.67	7.33	OK
Naphthalene #2	10.2434	10.2480	0.0046	0.0344	OK	76.08	23.92	OK
2,5-Dibromotoluene #2	11.3526	11.3570	0.0044	0.0344	OK	87.42	12.58	OK

9/22/10

S92210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K28996SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:16 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 07:39:34 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.353	11.353	233660	690025	79.440	87.423	
		Spiked Amount 100.000 Range 70 - 130 Recovery = 79.44% 87.42%							
		Target Compounds							
1)	Z	Pentane	1.560	1.560	679026	10092	97.040	NoCal	#
2)	Z	2-Methylp...	2.010	2.010	806797	31646	98.573	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	398105	411917	NoCal	88.328	#
4)	Z	2,2,4-Tri...	3.281	3.280	872639	184200	113.082	NoCal	#
5)	TM	Benzene	3.509	3.509	1049082	1281610	NoCal	98.493	#
6)	TM	Toluene	4.881	4.880	1040881	1186951	NoCal	99.530	#
7)	XH	C5-C8 ALI...	3.717	0.000	5527515	0	754.646	N.D.	#
9)	TM	Ethylbenzene	6.121	6.121	1027699	1051806	NoCal	96.264	#
10)	TM	m,p-Xylene	6.188	6.188	2091313	2491071	NoCal	198.553	#
11)	TM	o-Xylene	6.558	6.558	1039320	1057173	NoCal	94.507	#
12)	Z	n-Decane	7.152	7.151	733381	110655	106.339	NoCal	#
13)	Z	n-Butylcy...	7.821	7.821	732568	439058	99.516	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7373034	0	1034.232	N.D.	#
15)	ZM	1,2,4-Tri...	7.715	7.715	1014087	1093155	NoCal	92.672	#
16)	XH	C9-C10 AR...	10.410	8.424	62	1725383	NoCal	146.269	#
17)	TM	Naphthalene	10.244	10.243	539604	775393	NoCal	76.076	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

592210

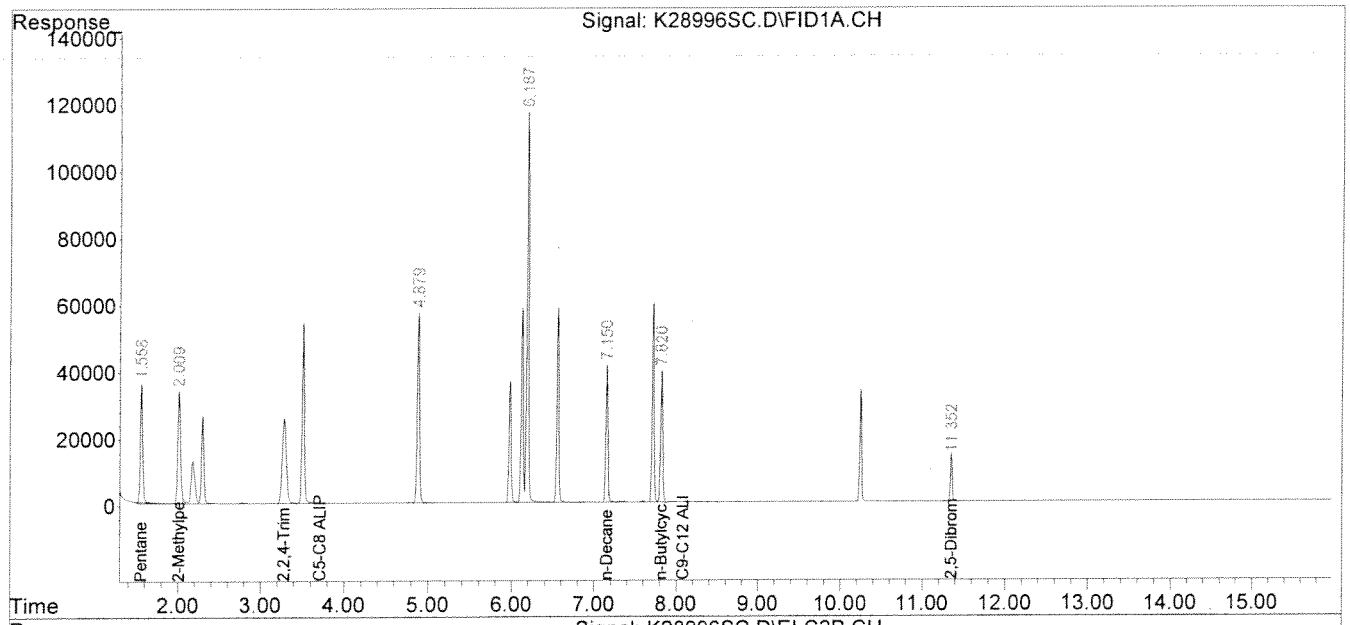
Quantitation Report (Not Reviewed)

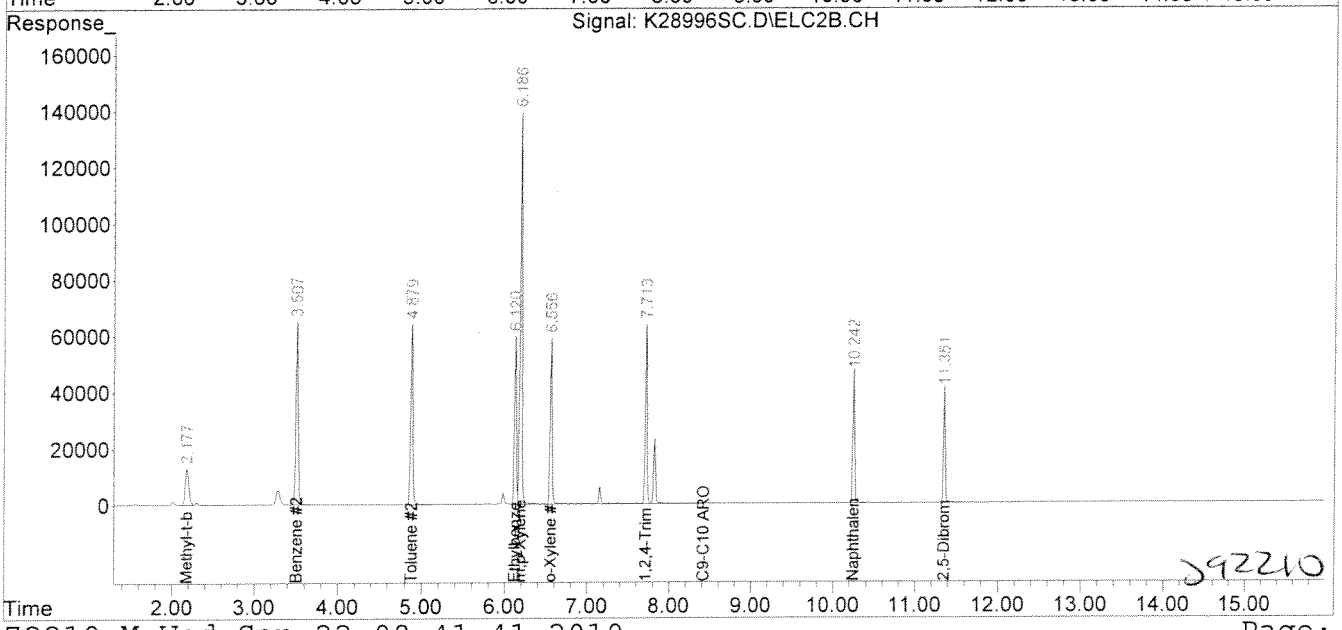
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K28996SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 7:16 am
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 07:39:34 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J92210

VOLATILE PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG:
Standard ID: VPH 100 UG/L
Data File ID: K29019SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Pentane	90	9.9	
2-Methylpentane	91	9.1	
2,2,4-Trimethylpentane	106	5.9	
n-Decane	94	5.9	
n-Butylcyclohexane	89	10.6	
2,5-Dibromotoluene	83	16.7	
Methyl-t-butylether #2	90	9.9	
Benzene #2	97	3.2	
Toluene #2	97	2.7	
Ethylbenzene #2	95	5.0	
m,p-Xylene #2	194	2.9	
o-Xylene #2	93	7.3	
1,2,4-Trimethylbenzene #2	92	8.2	
Naphthalene #2	78	21.8	
2,5-Dibromotoluene #2	90	10.1	

gs 9/22/10

Maximum Allowed % Difference
25

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 92210

VPH FORM 7

Sample Name VPH 100 UG/L
Data File Name K29019SC.D
Date Acquired 9/21/2010 17:47

Name	Ret Time	Expected Ret Time	RT Difference	RT Window	RT Pass	Amount Measured	% Difference	% Difference Pass (+/- 25%)
FID								
Pentane	1.5598	1.5680	0.0082	0.0438	OK	90.13	9.87	OK
2-Methylpentane	2.0108	2.0150	0.0043	0.0447	OK	90.87	9.13	OK
2,2,4-Trimethylpentane	3.2807	3.2850	0.0044	0.0405	OK	105.93	5.93	OK
C5-C8 ALIPHATICS						286.93	4.36	OK
n-Decane	7.1521	7.1540	0.0019	0.0380	OK	94.07	5.93	OK
n-Butylcyclohexane	7.8217	7.8240	0.0023	0.0380	OK	89.35	10.65	OK
C9-C12 ALIPHATICS						183.42	8.29	OK
2,5-Dibromotoluene	11.3540	11.3580	0.0040	0.0380	OK	83.29	16.71	OK
PID								
Methyl-t-butylether #2	2.1785	2.1830	0.0045	0.0447	OK	90.12	9.88	OK
Benzene #2	3.5090	3.5120	0.0030	0.0380	OK	96.85	3.15	OK
Toluene #2	4.8808	4.8830	0.0022	0.0344	OK	97.35	2.65	OK
Ethylbenzene #2	6.1212	6.1240	0.0028	0.0344	OK	95.02	4.98	OK
m,p-Xylene #2	6.1879	6.1900	0.0021	0.0344	OK	194.21	2.89	OK
o-Xylene #2	6.5576	6.5610	0.0034	0.0344	OK	92.66	7.34	OK
1,2,4-Trimethylbenzene #2	7.7152	7.7180	0.0028	0.0344	OK	91.76	8.24	OK
C9-C10 AROMATICS #2						91.76	8.24	OK
Naphthalene #2	10.2438	10.2480	0.0042	0.0344	OK	78.19	21.81	OK
2,5-Dibromotoluene #2	11.3534	11.3570	0.0036	0.0344	OK	89.89	10.11	OK

9/22/10

J92210

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29019SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 5:47 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 18:03:56 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

98 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
18)	S	2,5-Dibro...	11.354	11.353	244981	709509	83.289	89.892	
		Spiked Amount	100.000	Range	70 - 130	Recovery	=	83.29%	89.89%
		Target Compounds							
1)	Z	Pentane	1.560	1.560	630703	8248	90.134	NoCal	#
2)	Z	2-Methylp...	2.011	2.011	743719	28493	90.866	NoCal	#
3)	TM	Methyl-t-...	2.178	2.178	411800	420298	NoCal	90.125	#
4)	Z	2,2,4-Tri...	3.281	3.280	817443	173664	105.929	NoCal	#
5)	TM	Benzene	3.509	3.509	1050912	1260232	NoCal	96.850	#
6)	TM	Toluene	4.881	4.881	1045231	1160935	NoCal	97.348	#
7)	XH	C5-C8 ALI...	3.717	0.000	5324706	0	726.958	N.D.	#
9)	TM	Ethylbenzene	6.122	6.121	1031418	1038245	NoCal	95.023	#
10)	TM	m,p-Xylene	6.188	6.188	2089827	2436624	NoCal	194.213	#
11)	TM	o-Xylene	6.558	6.558	1043656	1036562	NoCal	92.665	#
12)	Z	n-Decane	7.152	7.152	648754	98901	94.068	NoCal	#
13)	Z	n-Butylcy...	7.822	7.821	657770	395366	89.355	NoCal	#
14)	XH	C9-C12 AL...	8.070	0.000	7145572	0	1002.326	N.D.	#
15)	ZM	1,2,4-Tri...	7.716	7.715	1015029	1082429	NoCal	91.762	#
16)	XH	C9-C10 AR...	10.410	8.424	33	1741803	NoCal	147.661	#
17)	TM	Naphthalene	10.244	10.244	564137	796903	NoCal	78.186	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

092210

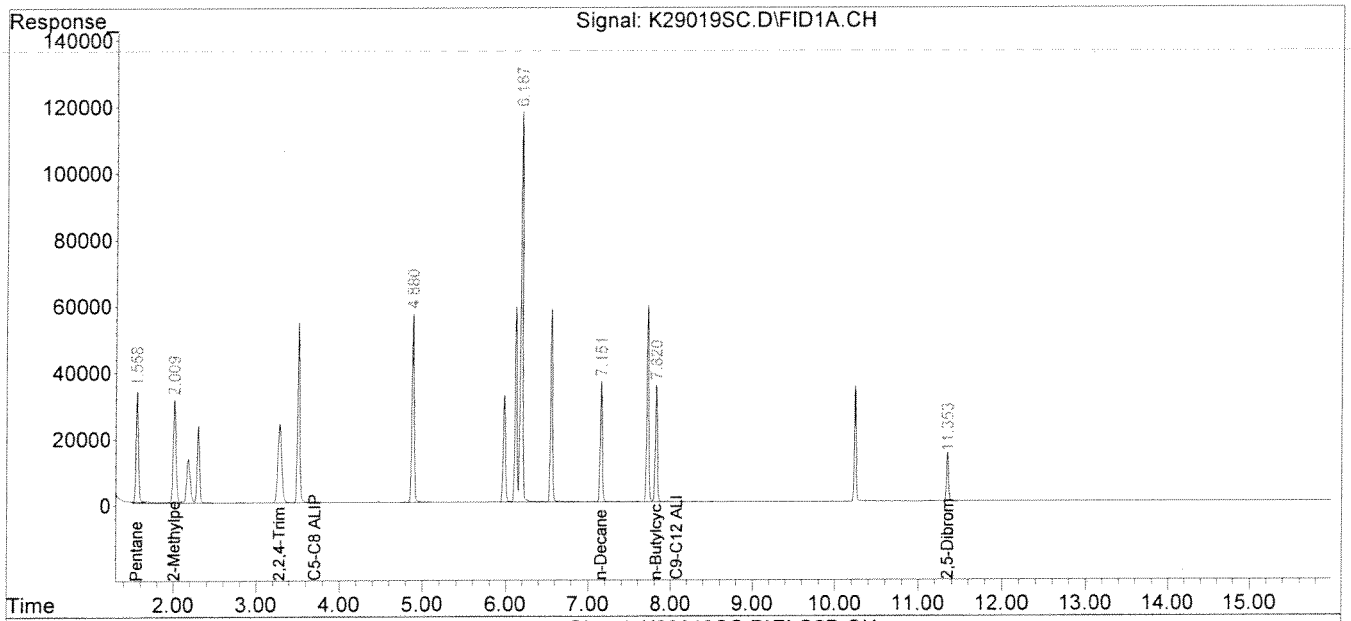
Quantitation Report (Not Reviewed)

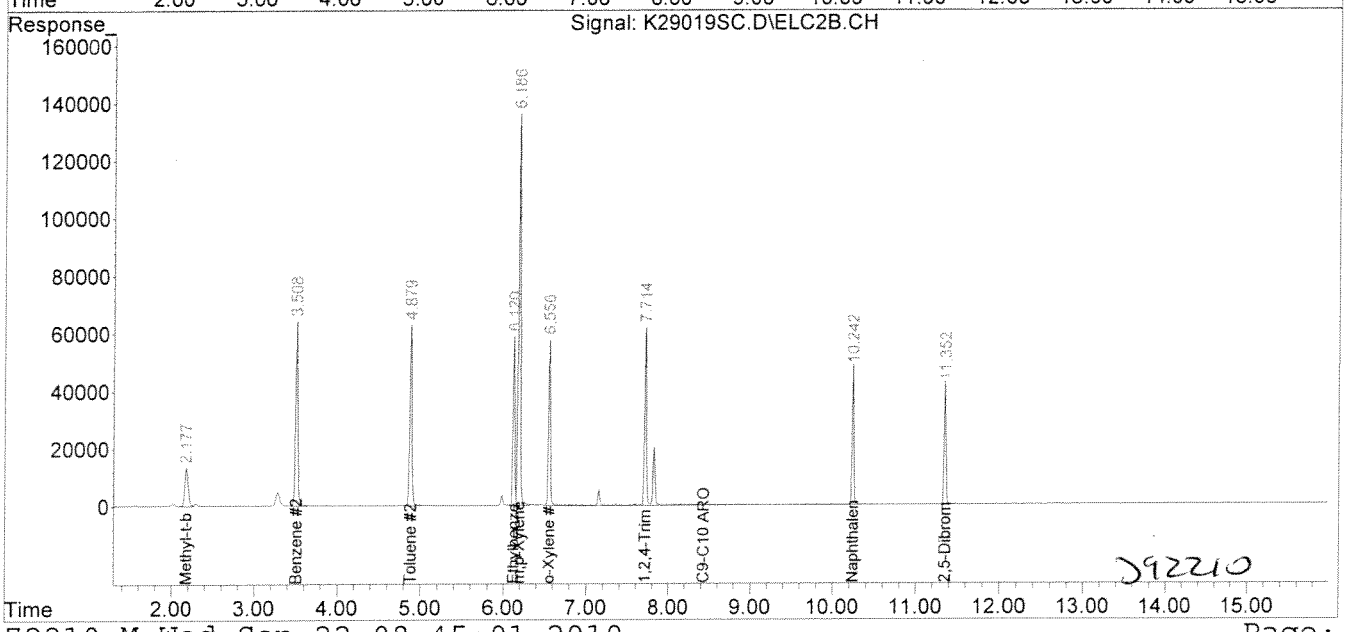
Data Path : C:\msdchem\1\DATA\092110-K\
Data File : K29019SC.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 21 Sep 2010 5:47 pm
Operator : JJL
Sample : VPH 100 UG/L
Misc : 5000
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 21 18:03:56 2010
Quant Method : C:\msdchem\1\METHODS\VPH072210.M
Quant Title : Volatile Petroleum Hydrocarbons (VPH) MA DEP 2004
QLast Update : Fri Jul 23 15:04:23 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

88 9/22/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





D92210

VOLATILE PETROLEUM HYDROCARBONS
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: K
GC Column #1: RTX-502.2
Column ID: 0.25 mm

SDG: 67835

STANDARD	FILE NAME	ANALYSIS DATE & TIME	FID SMC RT	#	PID SMC RT	#
VPH 100 UG/L	K28996SC.D	9/21/2010 7:16	11.353		11.353	
Upper Limit			11.383		11.383	
Lower limit			11.323		11.323	

SAMPLE ID						
LSV092110K	K28997Q.D	9/21/2010 7:54	11.353		11.353	
LSV092110K2	K28998Q.D	9/21/2010 8:19	11.353		11.353	
MBV092110K2	K29001B.D	9/21/2010 9:59	11.354		11.353	
67835-6	K29018.D	9/21/2010 17:23	11.354		11.354	
VPH 100 UG/L	K29019SC.D	9/21/2010 17:47	11.354		11.353	

SMC = 2,5-Dibromotoluene

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

VPH FORM 8

EPH
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B092010EASE2 RR2
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/20/10
Analysis Date: 09/22/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				63
Aromatic Surrogate % Recovery (O-Terphenyl)				76
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				83
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				74
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: [signature]

EPH SOIL ANALYTICAL RESULTS

Sample Name: B092010EASE2

RR2

J92310

Dilution Factors	ARO	1.000000	ALI	1.0000000

	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		26667
Naphthalene	U		267
2-Methylnaphthalene	U		267
Phenanthrene	U		267
Acenaphthene	U		267
Acenaphthylene	U		267
Fluorene	U		267
Anthracene	U		267
Fluoranthene	U		267
Pyrene	U		267
Benzo[a]anthracene	U		267
Chrysene	U		267
Benzo[b] fluoranthene	U		267
Benzo[k] fluoranthene	U		267
Benzo[a] pyrene	U		267
Indeno [1,2,3-cd] pyrene	U		267
Dibenz [a,h] anthracene	U		267
Benzo(g,h,i) perylene	U		267
C9-C18 Aliphatics	U		26667
C19-C36 Aliphatics	U		26667
C11-C22 Aromatics	U		26667
1-Chlorooctadecane (Ali)	63%	40-140%	PASS
o-terphenyl (Aro)	76%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	83%	40-140%	PASS
2-Bromonaphthalene (Fraction)	74%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35964B.D	---------
Date Acquired	9/22/2010 17:29	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.00**	15.00
% Solid (divided by 100)	**1.0000**	1.0000
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	1
Calculation Factor	133.3333	133.3333

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-133	Quadratic
2-Methylnaphthalene	-1.00	-133	Quadratic
Acenaphthylene	-1.00	-133	Quadratic
Acenaphthene	-1.00	-133	Quadratic
Fluorene	-1.00	-133	Quadratic
Phenanthrene	-1.00	-133	Quadratic
Anthracene	-1.00	-133	Quadratic
Fluoranthene	-1.00	-133	Quadratic
Pyrene	-1.00	-133	Quadratic
Benzo[a]anthracene	0.00	0	Avg RF
Chrysene	0.00	1	Avg RF
Benzo[b] fluoranthene	0.00	0	Avg RF
Benzo[k] fluoranthene	0.00	1	Avg RF
Benzo[a] pyrene	0.00	0	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	1	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.01	1	Avg RF
C11-C22	**27.094**	1499	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		2694	
ALIPHATICS			
C9-C18	**20.459**	464	
C9-C18 Hexane Blank	**16.982**		
C19-C36	**38.560**	393	
C19-C36 Hexane Blank	**35.613**		
Surrogates			
1-Chlorooctadecane (Ali)	**12.613**	63%	
2-Fluorobiphenyl (Fraction)	16.56	83%	
2-Bromonaphthalene (Fraction)	14.75	74%	
o-terphenyl (Aro)	15.14	76%	

9/24/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35964B.D
Acq On : 22 Sep 2010 5:29 pm
Operator : AR/MG
Sample : B092010EASE2
Misc : SOIL,ARO
ALS Vial : 40 Sample Multiplier: 1

Q

>92210

Quant Time: Sep 22 18:55:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	87057 ✓	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	545311	16.56 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	82.80%	83
10) 2-Bromonaphthalene	5.962	206	222125	14.75 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	73.75%	74
11) o-terphenyl	7.480	230	399338	15.14 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	75.70%	76

Target Compounds					Qvalue
2) Naphthalene	4.561	128	1751	~~Below Cal~~ #	82
3) 2-Methylnaphthalene	5.137	141	299	Below Cal #	85
4) Acenaphthylene	5.849	152	203	Below Cal #	87
5) Acenaphthene	6.009	154	99	Below Cal #	77
6) Fluorene	6.413	166	178	Below Cal #	59
7) Phenanthrene	7.175	178	474	Below Cal #	84
8) Anthracene	7.241	178	78	Below Cal #	22
12) Fluoranthene	8.140	202	489	Below Cal #	53
13) Pyrene	8.342	202	562	Below Cal	97

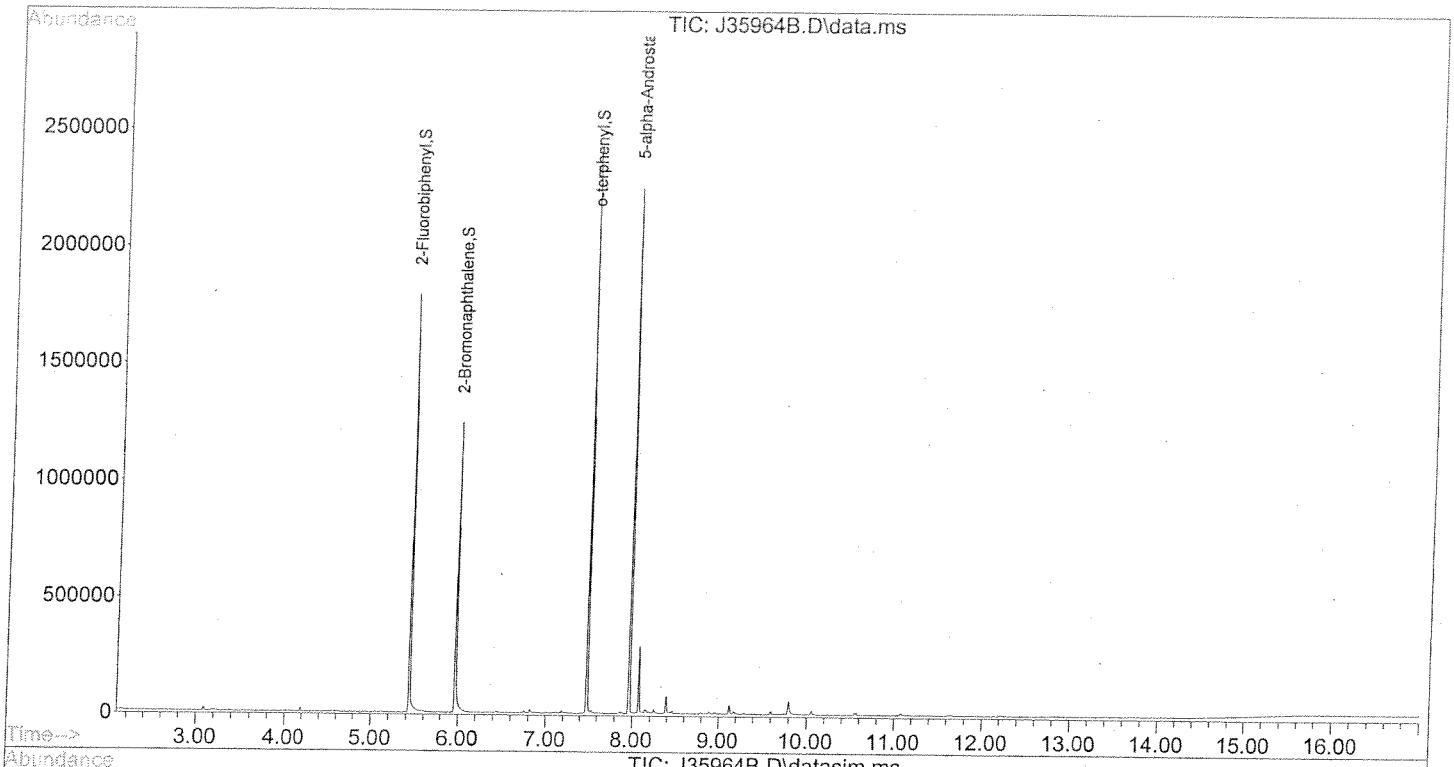
(#) = qualifier out of range (m) = manual integration (+) = signals summed

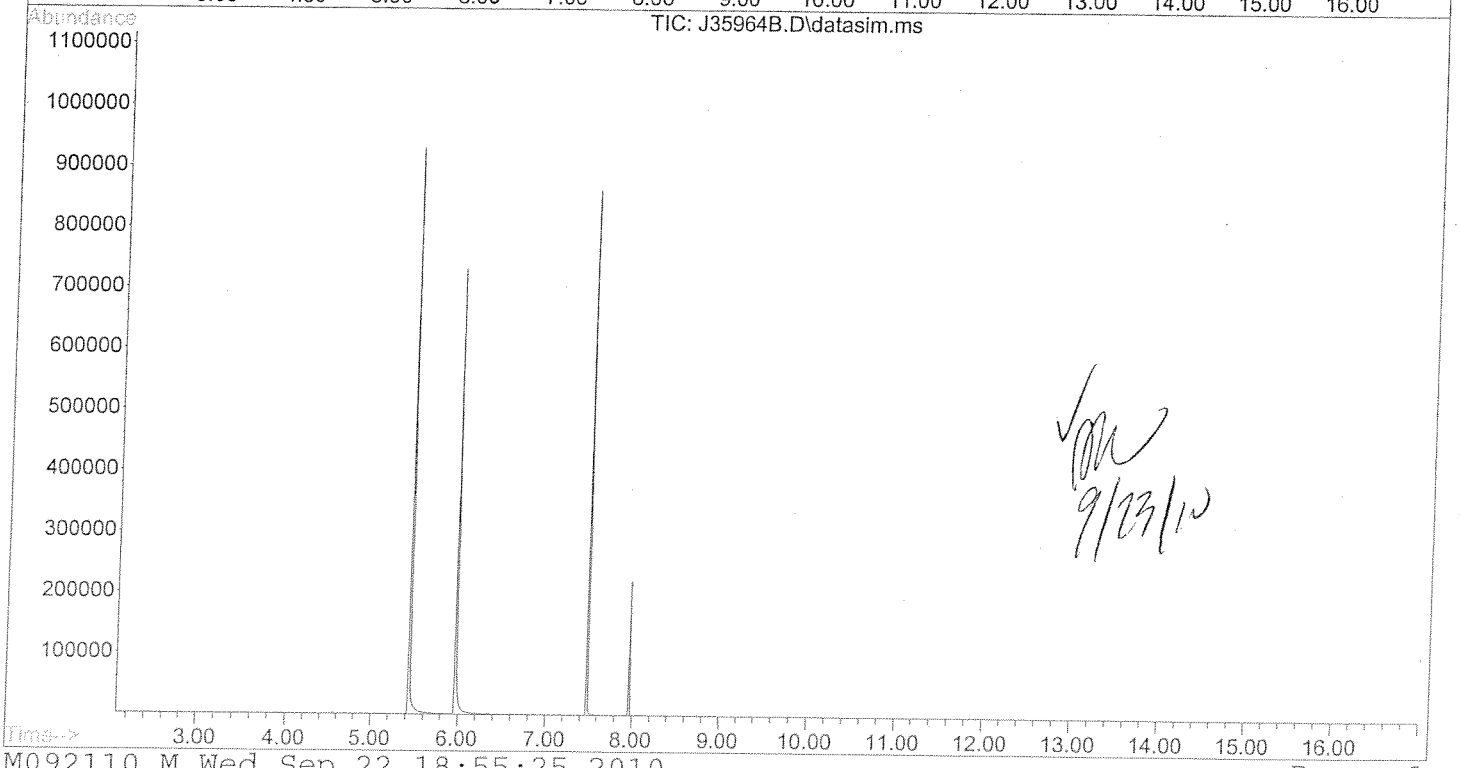
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35964B.D
Acq On : 22 Sep 2010 5:29 pm
Operator : AR/MG
Sample : B092010EASE2
Misc : SOIL,ARO
ALS Vial : 40 Sample Multiplier: 1

S92210

Quant Time: Sep 22 18:55:24 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35964B.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 5:29 pm
Operator : AR/MG
Sample : B092010EASE2
Misc : SOIL,ARO
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:18 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

MC 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	19526362	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	15964168	16.894 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	84.47%
10) S 2-Bromonaphthalene	5.965	11909740	16.115 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	80.58%
11) S o-terphenyl	7.482	18575864	15.738 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	78.69%
Target Compounds			
5) TZ Acenaphthene	5.965f	11909740	11.182 ug/ml
14) TZ Benzo[a]anthracene	9.603	228589	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.089	227860	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.578	13897	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.366	8891	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.420	99280	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.730	36699	<MDL ug/ml
22) XH c11-c22	12.565	26082538	27.094 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

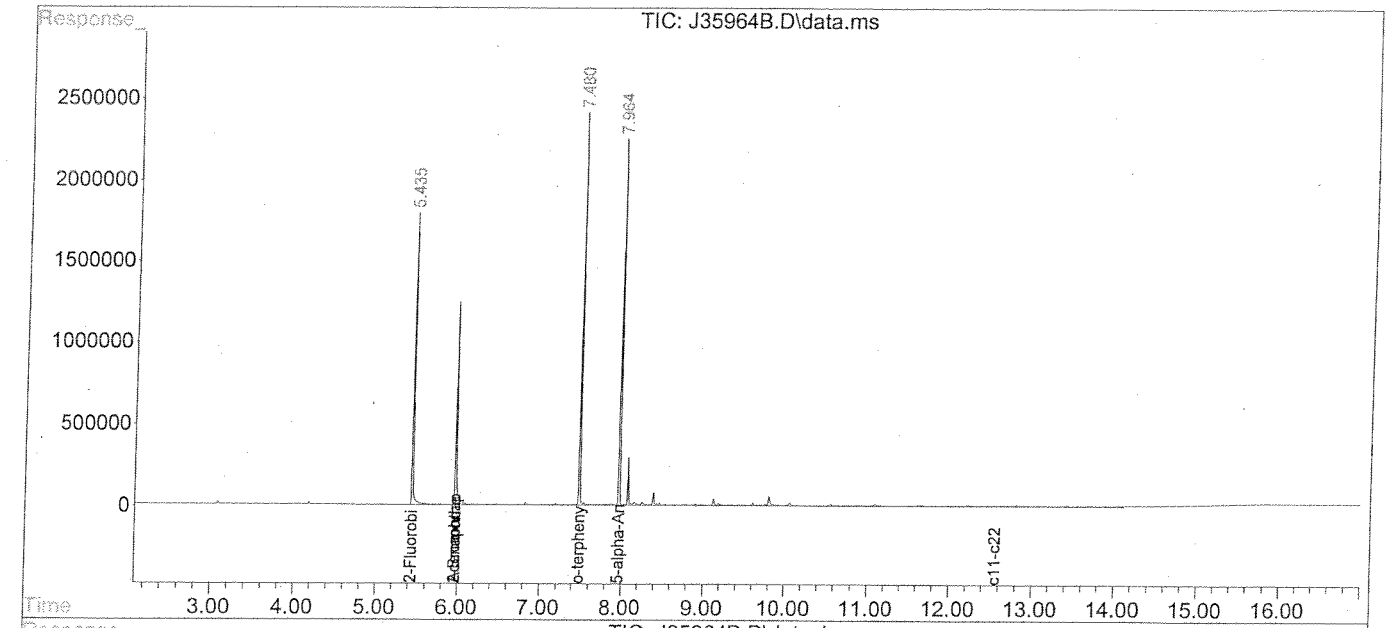
15.855

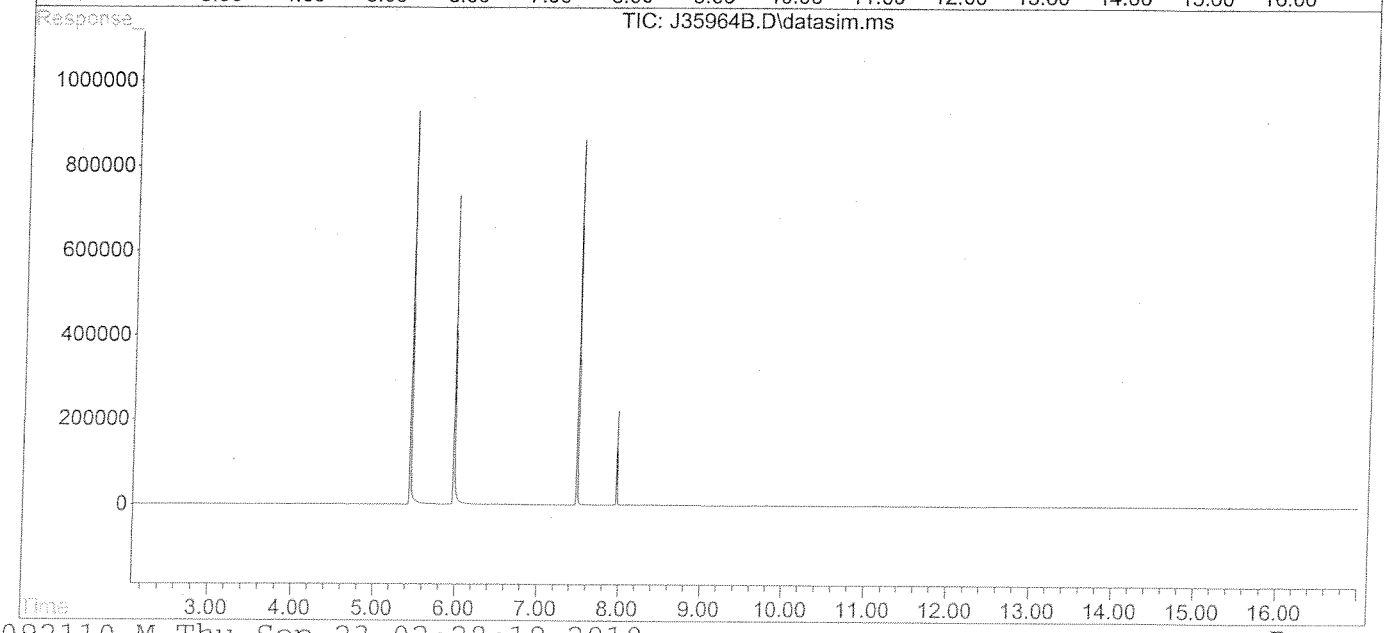
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35964B.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 5:29 pm
Operator : AR/MG
Sample : B092010EASE2
Misc : SOIL,ARO
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:18 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

AR
9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Data File : D:\HPCHEM\1\DATA\092110-D\D71804B.D Vial: 30
Acq On : 23 Sep 2010 1:30 am Operator: AR
Sample : B092010EASE2,RR2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:34 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/23/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5615892	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4346683	12.613 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.06%
Target Compounds			
2) TZM C-9	4.05	11628	<MDL ug/ml
3) TZM C-10	5.03	15926	<MDL ug/ml
4) TZM C-12	6.49	6313	<MDL ug/ml
5) TZM C-14	7.67	24020	<MDL ug/ml
6) TZM C-16	8.68	36634	<MDL ug/ml
7) TZM C-18	9.62	64914	<MDL ug/ml
8) XH C9-C18	7.38	7629004	20.459 ug/ml
9) TZM C-19	10.02	25030	<MDL ug/ml
10) TZM C-20	10.44	59546	<MDL ug/ml
12) TZM C-22	11.41	118593	<MDL ug/ml
13) TZM C-24	12.68	196291	<MDL ug/ml
14) TZM C-26	14.15	313670	<MDL ug/ml
15) TZM C-28	15.68	245531	<MDL ug/ml
16) TZM C-30	17.19	114288	<MDL ug/ml
17) TZM C-36	21.25	71069	4.389 ug/ml
18) XH C19-C36	11.90	11930336	38.560 ug/ml

16.982/35.613

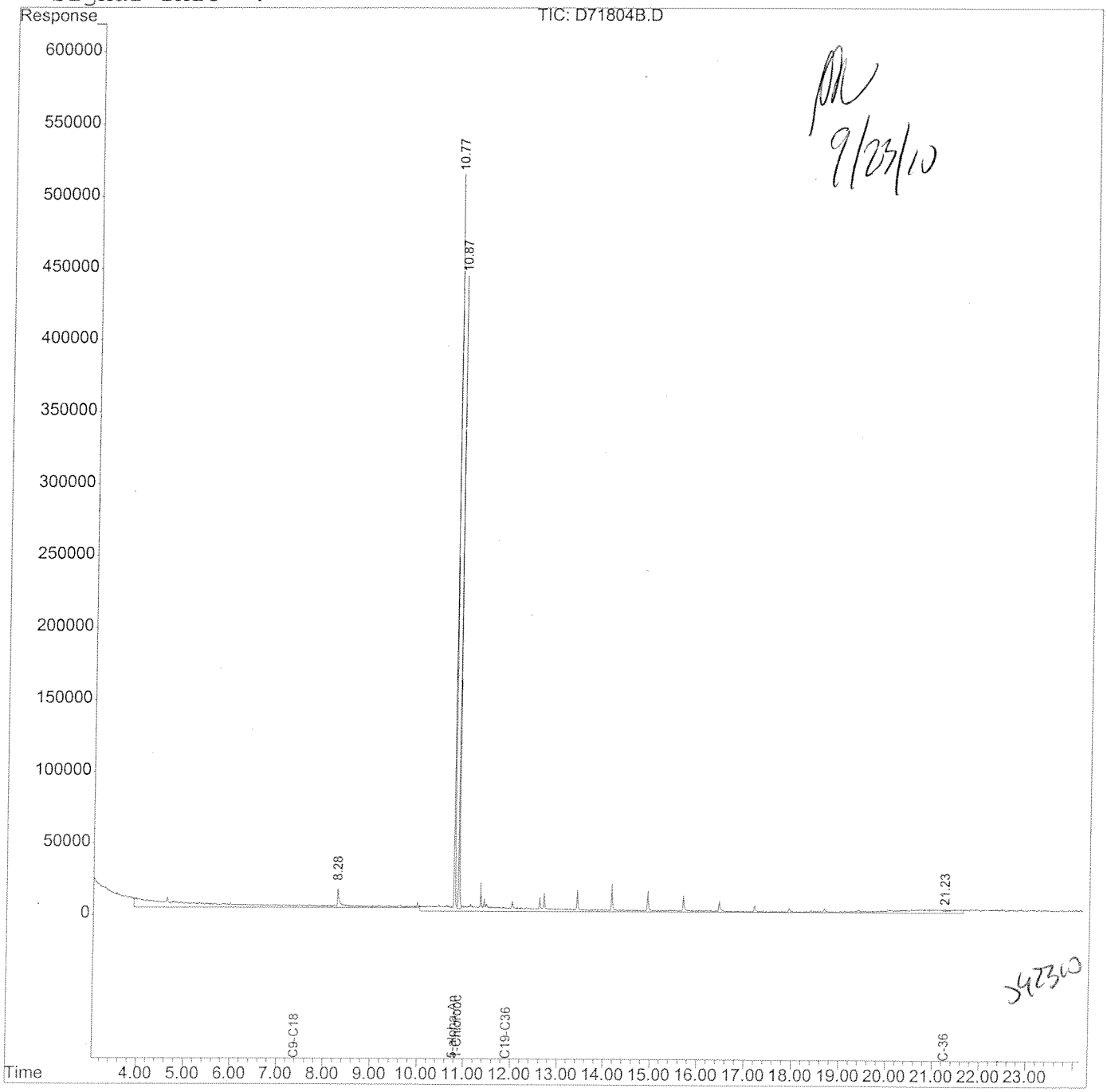
592310

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\092110-D\D71804B.D Vial: 30
Acq On : 23 Sep 2010 1:30 am Operator: AR
Sample : B092010EASE2,RR2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:34 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



9/23/10

D71804B.D ALG80410.M Thu Sep 23 03:34:46 2010 Page 2

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: C-B82-GTM4-SW-1

SAMPLE DATA

Lab Sample ID: 67835-1
Matrix: Solid
Percent Solid: 86
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/23/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		30200	µg/kg	U
Diesel PAH Analytes	Naphthalene	302	µg/kg	U
	2-Methylnaphthalene	302	µg/kg	U
	Phenanthrene	302	µg/kg	U
	Acenaphthene	302	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	302	µg/kg	U
	Fluorene	302	µg/kg	U
	Anthracene	302	µg/kg	U
	Fluoranthene	302	µg/kg	U
	Pyrene	302	µg/kg	U
	Benzo[a]anthracene	302	µg/kg	U
	Chrysene	302	µg/kg	U
	Benzo[b]fluoranthene	302	µg/kg	U
	Benzo[k]fluoranthene	302	µg/kg	U
	Benzo[a]pyrene	302	µg/kg	U
	Indeno[1,2,3-cd]pyrene	302	µg/kg	U
	Dibenzo[a,h]anthracene	302	µg/kg	U
	Benzo[g,h,i]perylene	302	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		30200	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		30200	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		30200	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				66
Aromatic Surrogate % Recovery (O-Terphenyl)				75
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				80
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				76
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67835-1

Dilution Factors	ARO 1.130804		ALI 1.1308039
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		30155
Naphthalene	U		302
2-Methylnaphthalene	U		302
Phenanthrene	U		302
Acenaphthene	U		302
Acenaphthylene	U		302
Fluorene	U		302
Anthracene	U		302
Fluoranthene	U		302
Pyrene	U		302
Benzo[a]anthracene	U		302
Chrysene	U		302
Benzo[b] fluoranthene	U		302
Benzo[k] fluoranthene	U		302
Benzo[a] pyrene	U		302
Indeno [1,2,3-cd] pyrene	U		302
Dibenz [a,h] anthracene	U		302
Benzo(g,h,i) perylene	U		302
C9-C18 Aliphatics	U		30155
C19-C36 Aliphatics	U		30155
C11-C22 Aromatics	U		30155
1-Chlorooctadecane (Ali)	66%	40-140%	PASS
o-terphenyl (Aro)	75%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	80%	40-140%	PASS
2-Bromonaphthalene (Fraction)	76%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35981.D	---------
Date Acquired	9/23/2010 12:00	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.50**	15.50
% Solid (divided by 100)	**0.8558**	0.8558
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	150.7738	150.7738

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-151	Quadratic
2-Methylnaphthalene	-1.00	-151	Quadratic
Acenaphthylene	-1.00	-151	Quadratic
Acenaphthene	-1.00	-151	Quadratic
Fluorene	-1.00	-151	Quadratic
Phenanthrene	-1.00	-151	Quadratic
Anthracene	-1.00	-151	Quadratic
Fluoranthene	-1.00	-151	Quadratic
Pyrene	-1.00	-151	Quadratic
Benzo[a]anthracene	0.02	2	Avg RF
Chrysene	0.03	4	Avg RF
Benzo[b] fluoranthene	0.01	1	Avg RF
Benzo[k] fluoranthene	0.01	1	Avg RF
Benzo[a] pyrene	0.01	1	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	1	Avg RF
Dibenz [a,h] anthracene	0.01	1	Avg RF
Benzo(g,h,i) perylene	0.01	1	Avg RF
C11-C22	**66.835**	7686	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		9031	
ALIPHATICS			
C9-C18	**26.224**	1393	
C9-C18 Hexane Blank	**16.982**		
C19-C36	**79.711**	6649	
C19-C36 Hexane Blank	**35.613**		
Surrogates			
1-Chlorooctadecane (Ali)	**13.126**	66%	
2-Fluorobiphenyl (Fraction)	16.03	80%	
2-Bromonaphthalene (Fraction)	15.16	76%	
o-terphenyl (Aro)	14.96	75%	

9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35981.D
Acq On : 23 Sep 2010 12:00 am
Operator : AR/MG
Sample : 67835-1
Misc : SOIL,ARO
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Sep 23 02:20:32 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J92310

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	86529 ✓	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	524811	16.03 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 80.15%		
10) 2-Bromonaphthalene	5.962	206	226956	15.16 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 75.80%		
11) o-terphenyl	7.480	230	392106	14.96 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 74.80%		

Target Compounds					Qvalue
~~2) Naphthalene~~	4.561	128	3327	~~Below Cal~~	~~# 84~~
3) 2-Methylnaphthalene	5.131	141	764	Below Cal	# 54
4) Acenaphthylene	5.855	152	391	Below Cal	# 1
5) Acenaphthene	5.991	154	440	Below Cal	# 75
6) Fluorene	6.418	166	804	Below Cal	# 58
7) Phenanthrene	7.175	178	807	Below Cal	# 64
8) Anthracene	7.218	178	650	Below Cal	# 1
12) Fluoranthene	8.136	202	2605	Below Cal	# 73
13) Pyrene	8.328	202	3227	Below Cal	# 90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

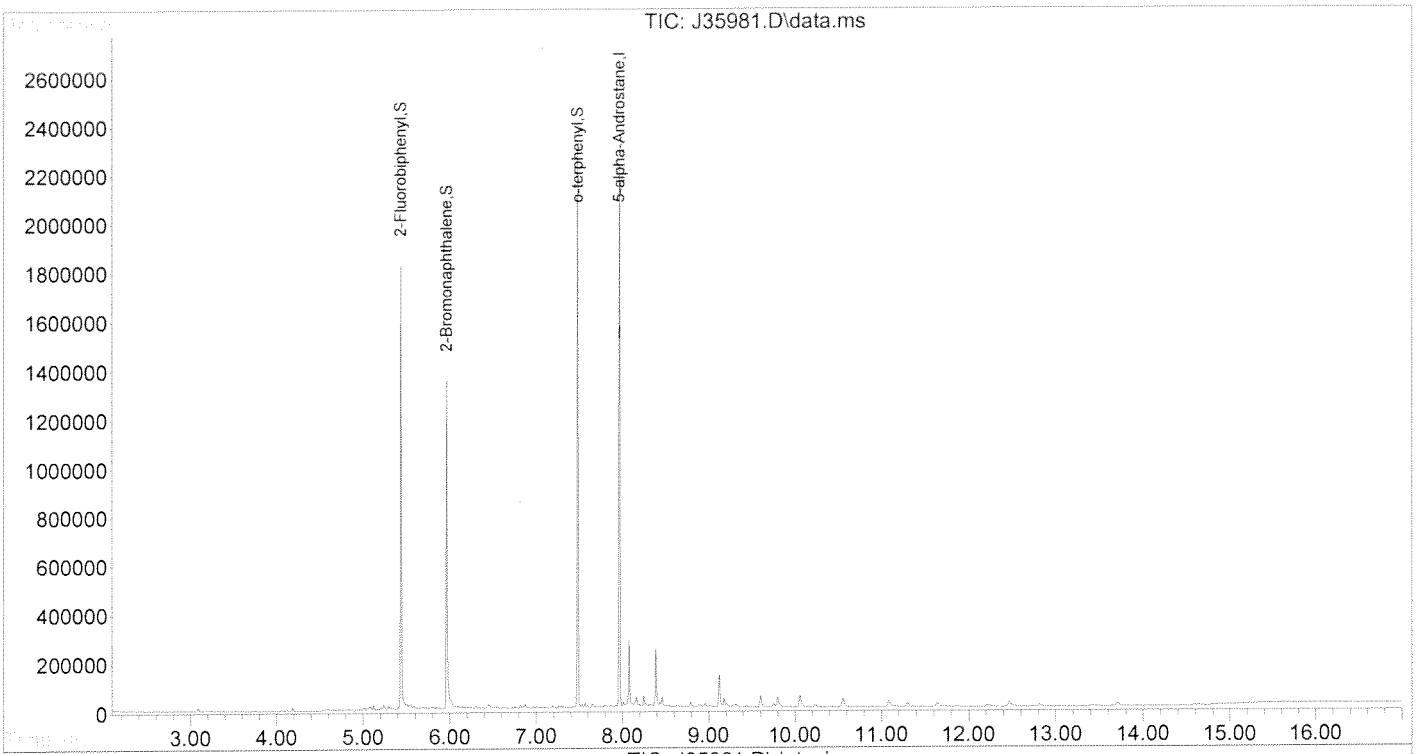
JM 9/29/10

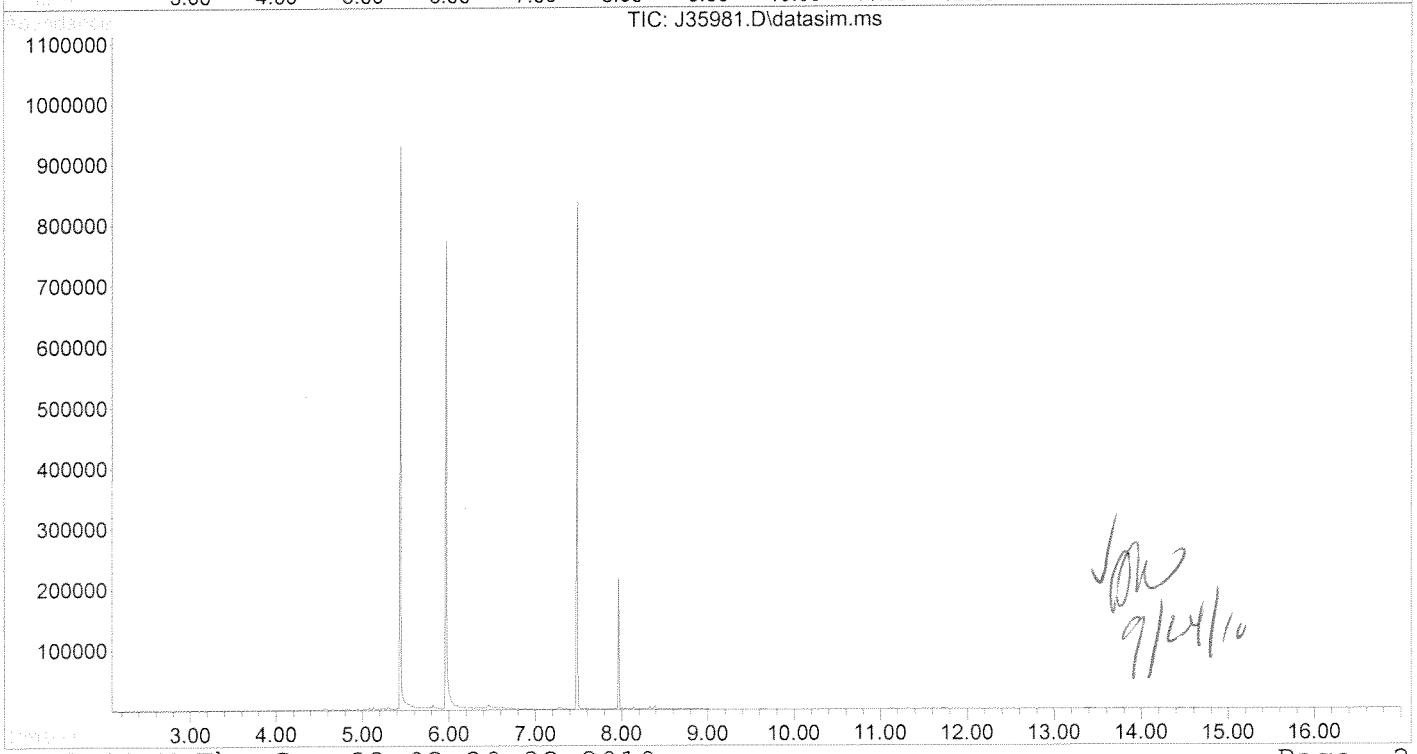
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35981.D
Acq On : 23 Sep 2010 12:00 am
Operator : AR/MG
Sample : 67835-1
Misc : SOIL,ARO
ALS Vial : 57 Sample Multiplier: 1

Quant Time: Sep 23 02:20:32 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

092310





JOK 9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35981.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 12:00 am
Operator : AR/MG
Sample : 67835-1
Misc : SOIL,ARO
ALS Vial : 57 Sample Multiplier: 1

J92360

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:40 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	19445881	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	15348268	16.241 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	81.20%
10) S 2-Bromonaphthalene	5.964	13119510	17.825 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	89.13%
11) S o-terphenyl	7.481	18456123	15.695 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	78.48%
Target Compounds			
5) TZ Acenaphthene	5.964f	13119510	12.548 ug/ml
14) TZ Benzo[a]anthracene	9.601	881260	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.084	713376	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.570	25280	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.331	16477	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.418	203119	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.794	37124	<MDL ug/ml
22) XH c11-c22	12.565	64075298	66.835 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

15.855

9/24/10

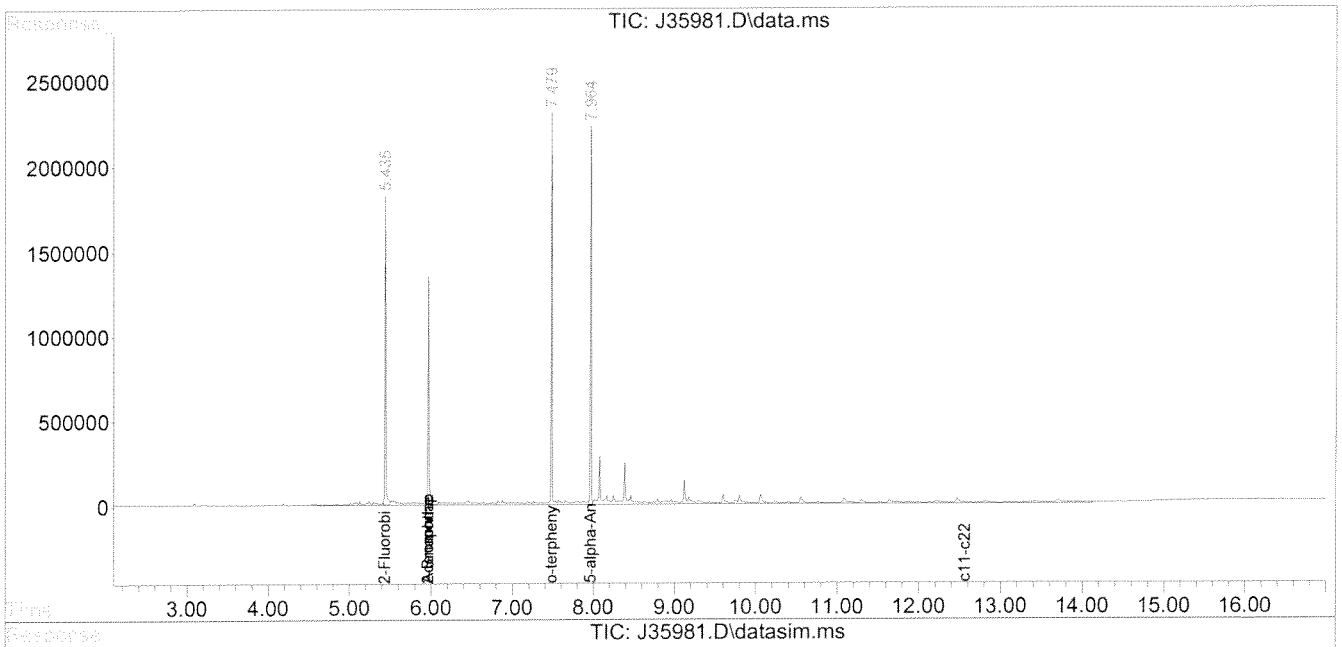
Quantitation Report (Not Reviewed)

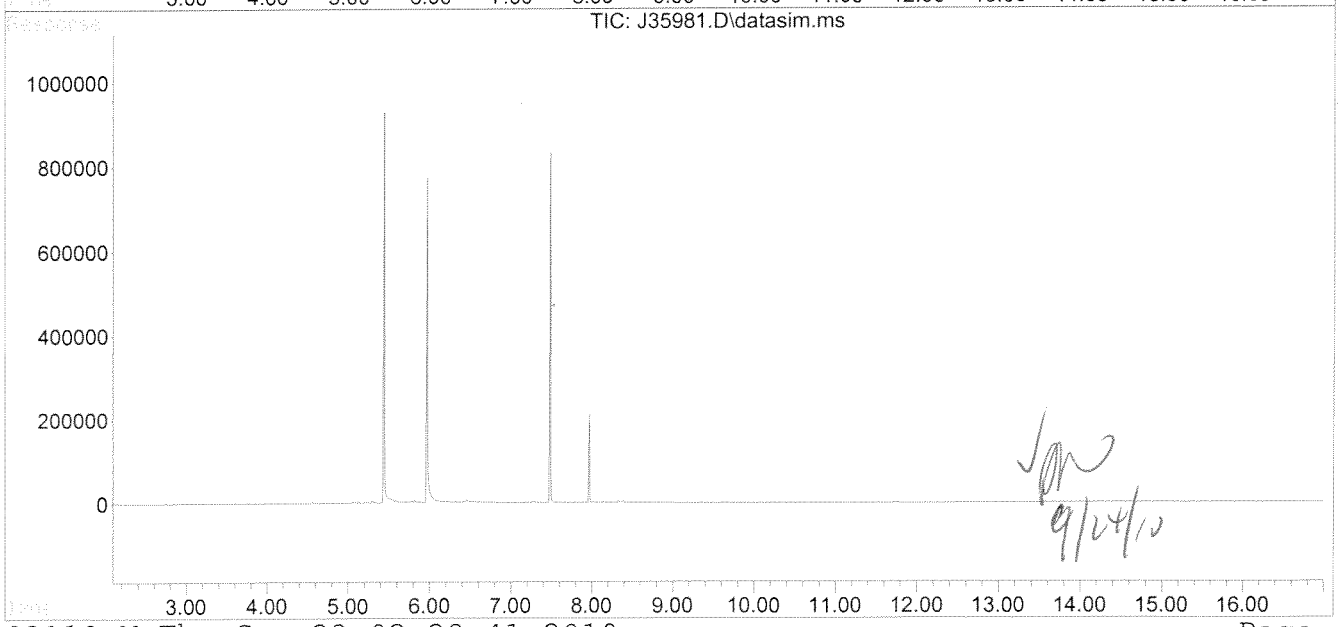
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35981.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 12:00 am
Operator : AR/MG
Sample : 67835-1
Misc : SOIL,ARO
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:40 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J9230

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/24/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71805.D
Vial: 54
Acq On : 23 Sep 2010 2:00 am
Operator: AR
Sample : 67835-1
Inst : GC/MS Ins
Misc : SOIL,ALI
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:09 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/23/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5188627	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4179513	13.126 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	65.63%
Target Compounds			
2) TZM C-9	4.04	33587	<MDL ug/ml
3) TZM C-10	5.00	9276	<MDL ug/ml
4) TZM C-12	6.49	11517	<MDL ug/ml
5) TZM C-14	7.66	25680	<MDL ug/ml
6) TZM C-16	8.68	73357	<MDL ug/ml
7) TZM C-18	9.62	62494	<MDL ug/ml
8) XH C9-C18	7.38	9034780	26.224 ug/ml
9) TZM C-19	10.01	129639	<MDL ug/ml
12) TZM C-22	11.41	139994	<MDL ug/ml
13) TZM C-24	12.68	278552	<MDL ug/ml
14) TZM C-26	14.15	301584	1.014 ug/ml
15) TZM C-28	15.68	329550	1.262 ug/ml
16) TZM C-30	17.19	143549	<MDL ug/ml
17) TZM C-36	21.22	78409	4.456 ug/ml
18) XH C19-C36	11.90	22786290	79.711 ug/ml

16.982/35.613

392310

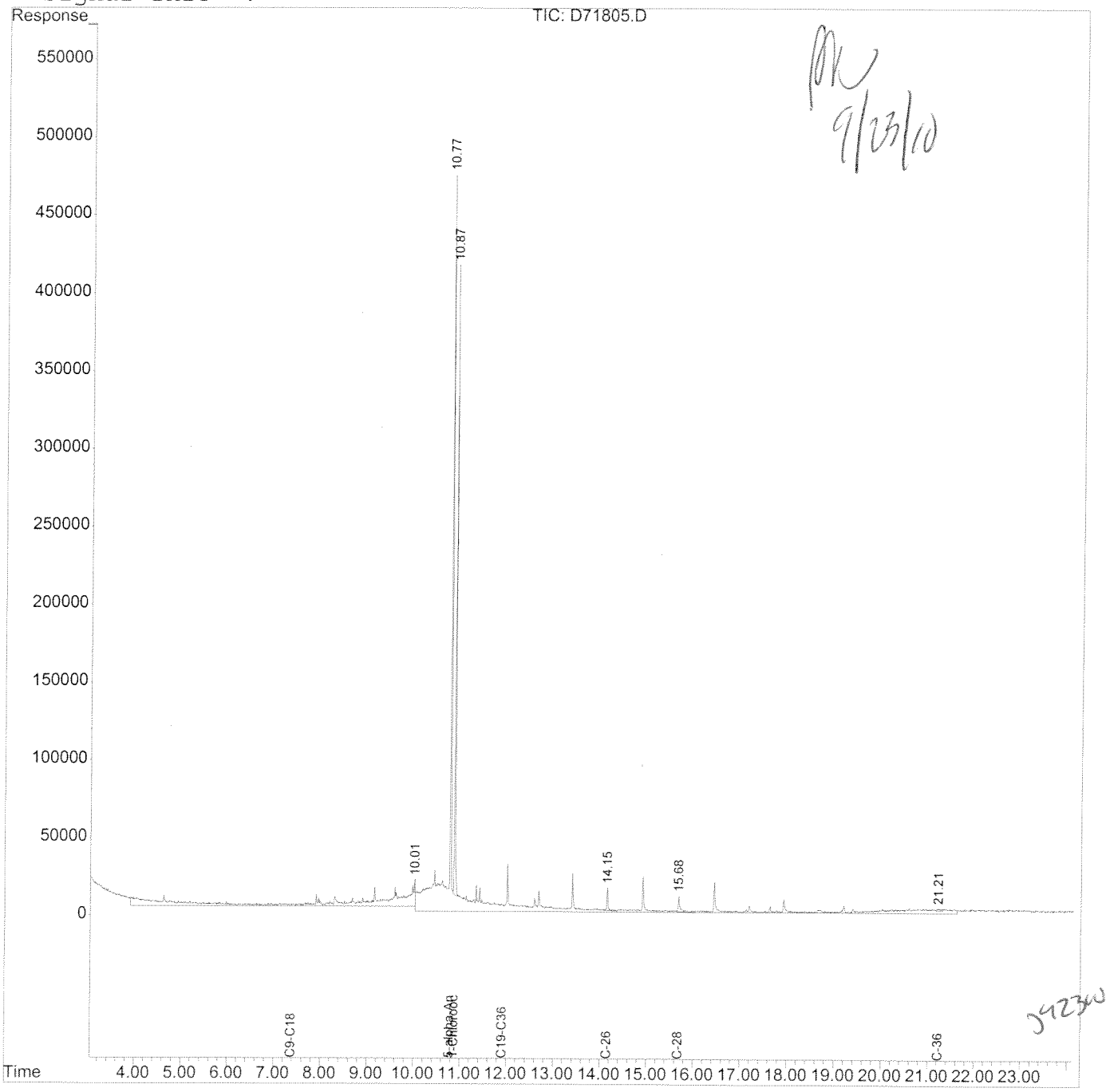
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71805.D Vial: 54
Acq On : 23 Sep 2010 2:00 am Operator: AR
Sample : 67835-1 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:09 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



PK 9/23/10

J92300

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: C-B82-GTM4-SW-2

SAMPLE DATA

Lab Sample ID: 67835-2
Matrix: Solid
Percent Solid: 83
Dilution Factor: 1.2
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/23/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		31800	µg/kg	U
Diesel PAH Analytes	Naphthalene	318	µg/kg	U
	2-Methylnaphthalene	318	µg/kg	U
	Phenanthrene	318	µg/kg	U
	Acenaphthene	318	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	318	µg/kg	U
	Fluorene	318	µg/kg	U
	Anthracene	318	µg/kg	U
	Fluoranthene	318	µg/kg	U
	Pyrene	318	µg/kg	U
	Benzo[a]anthracene	318	µg/kg	U
	Chrysene	318	µg/kg	U
	Benzo[b]fluoranthene	318	µg/kg	U
	Benzo[k]fluoranthene	318	µg/kg	U
	Benzo[a]pyrene	318	µg/kg	U
	Indeno[1,2,3-cd]pyrene	318	µg/kg	U
	Dibenzo[a,h]anthracene	318	µg/kg	U
	Benzo[g,h,i]perylene	318	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		31800	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		31800	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		31800	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				73
Aromatic Surrogate % Recovery (O-Terphenyl)				75
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				83
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				72
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mark Hull

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67835-2

Dilution Factors	ARO	1.189237		ALI 1.1892366
		ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics		U		31713
Naphthalene		U		317
2-Methylnaphthalene		U		317
Phenanthrene		U		317
Acenaphthene		U		317
Acenaphthylene		U		317
Fluorene		U		317
Anthracene		U		317
Fluoranthene		U		317
Pyrene		U		317
Benzo[a]anthracene		U		317
Chrysene		U		317
Benzo[b] fluoranthene		U		317
Benzo[k] fluoranthene		U		317
Benzo[a] pyrene		U		317
Indeno [1,2,3-cd] pyrene		U		317
Dibenz [a,h] anthracene		U		317
Benzo(g,h,i) perylene		U		317
C9-C18 Aliphatics		U		31713
C19-C36 Aliphatics		U		31713
C11-C22 Aromatics		U		31713
1-Chlorooctadecane (Ali)		73%	40-140%	PASS
o-terphenyl (Aro)		75%	40-140%	PASS
2-Fluorobiphenyl (Fraction)		83%	40-140%	PASS
2-Bromonaphthalene (Fraction)		72%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35982.D	---------
Date Acquired	9/23/2010 12:23	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.14**	15.14
% Solid (divided by 100)	**0.8331**	0.8331
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	1
Calculation Factor	158.5649	158.5649

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-159	Quadratic
2-Methylnaphthalene	-1.00	-159	Quadratic
Acenaphthylene	-1.00	-159	Quadratic
Acenaphthene	-1.00	-159	Quadratic
Fluorene	-1.00	-159	Quadratic
Phenanthrene	-1.00	-159	Quadratic
Anthracene	-1.00	-159	Quadratic
Fluoranthene	-1.00	-159	Quadratic
Pyrene	-1.00	-159	Quadratic
Benzo[a]anthracene	0.01	1	Avg RF
Chrysene	0.01	1	Avg RF
Benzo[b] fluoranthene	0.00	0	Avg RF
Benzo[k] fluoranthene	0.00	0	Avg RF
Benzo[a] pyrene	0.01	1	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.00	1	Avg RF
C11-C22	**44.846**	4597	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		6019	
ALIPHATICS			
C9-C18	**104.179**	13826	
C9-C18 Hexane Blank	**16.982**		
C19-C36	**40.804**	823	
C19-C36 Hexane Blank	**35.613**		
Surrogates			
1-Chlorooctadecane (Ali)	**14.572**	73%	
2-Fluorobiphenyl (Fraction)	16.61	83%	
2-Bromonaphthalene (Fraction)	14.48	72%	
o-terphenyl (Aro)	15.01	75%	

9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35982.D
Acq On : 23 Sep 2010 12:23 am
Operator : AR/MG
Sample : 67835-2
Misc : SOIL,ARO
ALS Vial : 58 Sample Multiplier: 1

J423W

Quant Time: Sep 23 02:20:34 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	83205	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	522685	16.61 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	83.05%	83
10) 2-Bromonaphthalene	5.961	206	208389	14.48 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	72.40%	72
11) o-terphenyl	7.480	230	378225	15.01 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	75.05%	75

Target Compounds					Qvalue
2) Naphthalene	4.561	128	2032	~~Below Cal~~ #	86
3) 2-Methylnaphthalene	5.137	141	464	Below Cal #	69
4) Acenaphthylene	5.855	152	472	Below Cal #	76
5) Acenaphthene	5.991	154	121	Below Cal #	1
6) Fluorene	6.418	166	509	Below Cal #	95
7) Phenanthrene	7.189	178	552	Below Cal #	75
8) Anthracene	7.222	178	106	Below Cal #	1
12) Fluoranthene	8.136	202	715	Below Cal #	53
13) Pyrene	8.328	202	994	Below Cal #	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

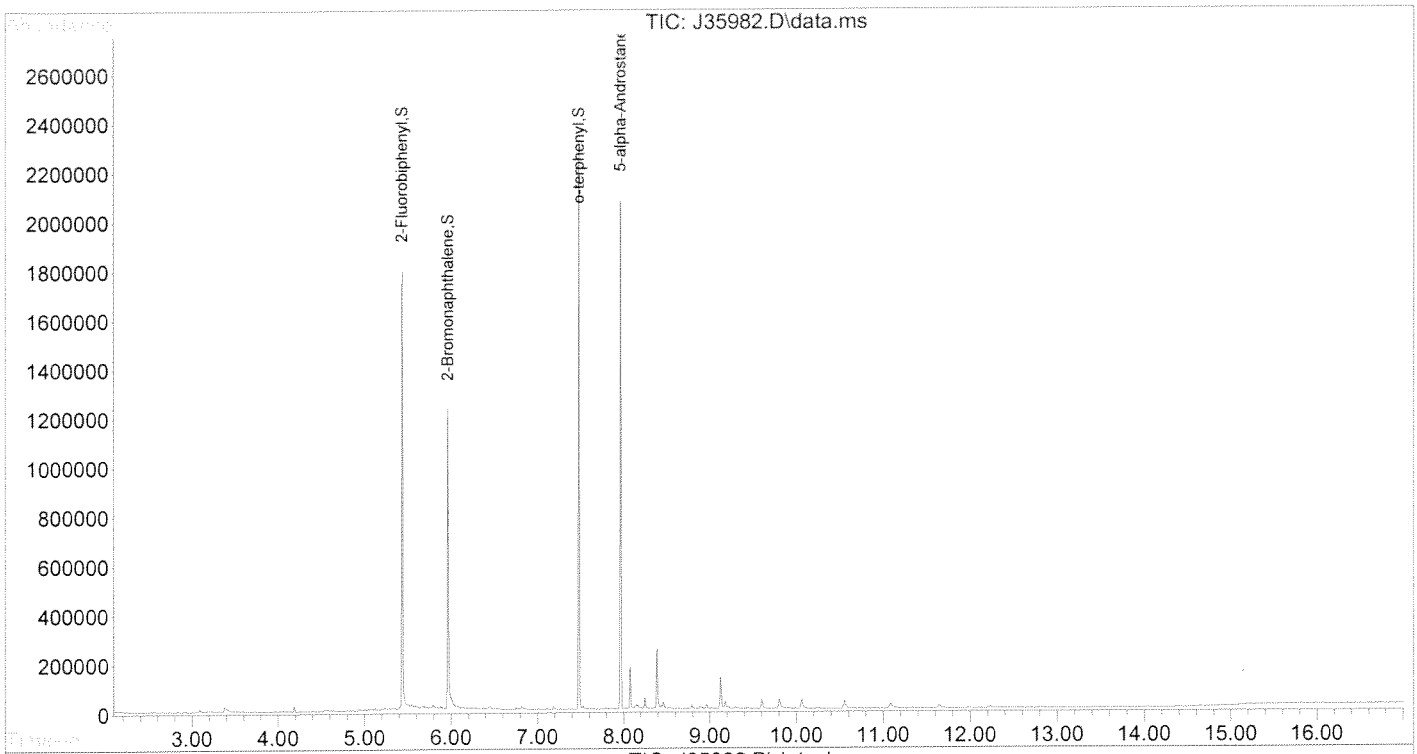
9/24/10

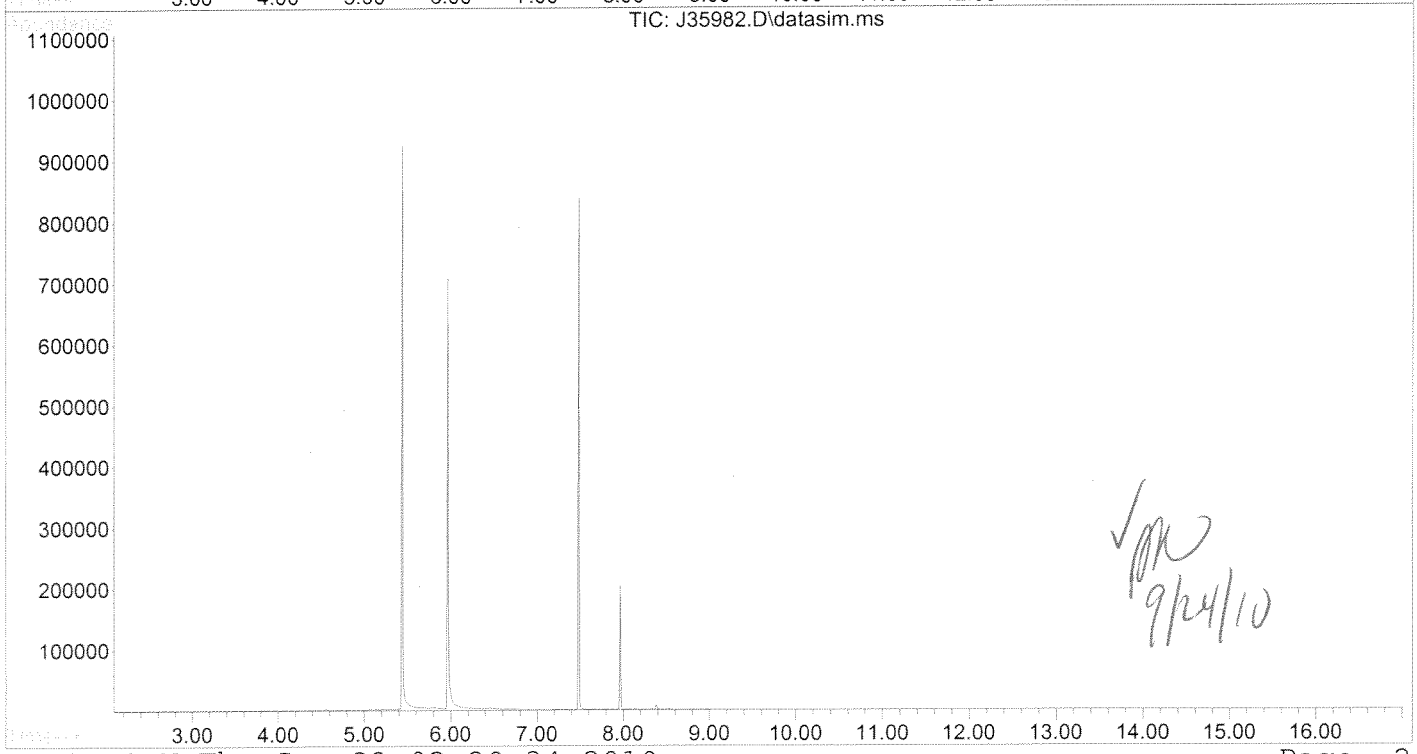
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35982.D
Acq On : 23 Sep 2010 12:23 am
Operator : AR/MG
Sample : 67835-2
Misc : SOIL,ARO
ALS Vial : 58 Sample Multiplier: 1

J9230

Quant Time: Sep 23 02:20:34 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





✓ 9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35982.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 12:23 am
Operator : AR/MG
Sample : 67835-2
Misc : SOIL,ARO
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:42 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J423W

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	18679930	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	15417999	17.075 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.38%
10) S 2-Bromonaphthalene	5.964	12033350	17.020 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.10%
11) S o-terphenyl	7.481	18030229	16.010 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	80.05%
Target Compounds			
5) TZ Acenaphthene	5.964f	12033350	11.903 ug/ml
14) TZ Benzo[a]anthracene	9.602	630162	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.085	537057	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.643	328603	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.353	19580	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.416	187302	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.758	32068	<MDL ug/ml
22) XH c11-c22	12.565	41301038	44.846 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

15.855

9/24/10

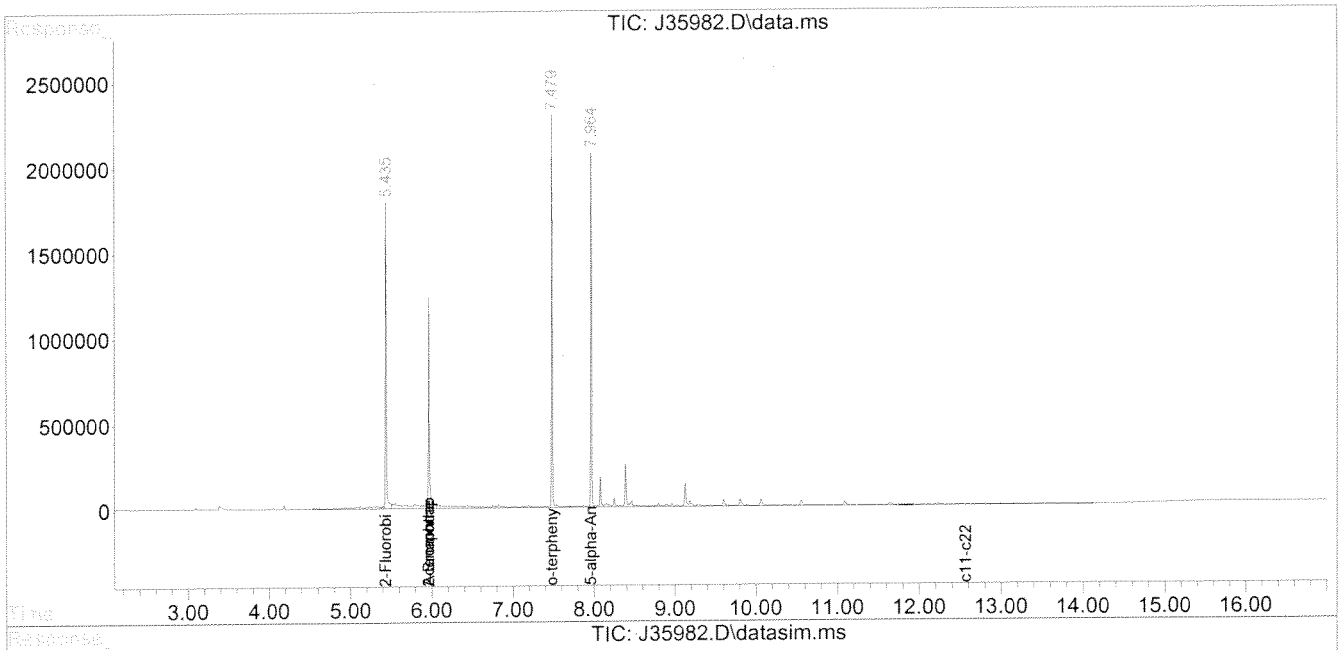
Quantitation Report (Not Reviewed)

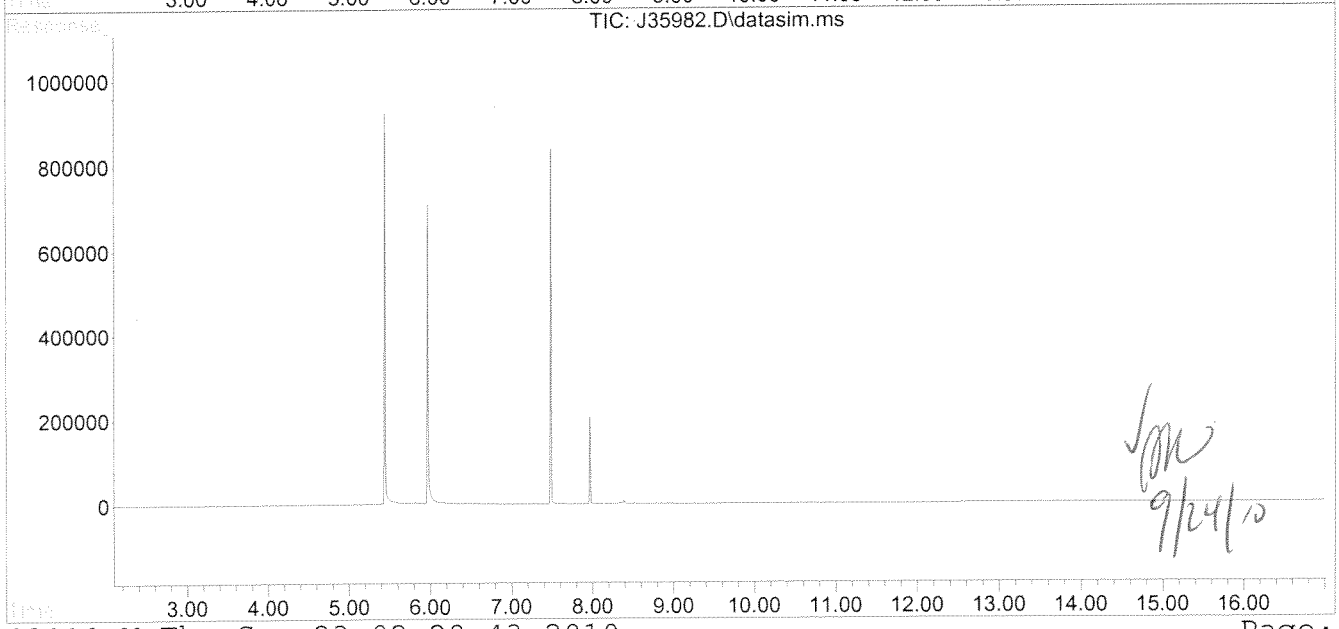
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35982.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 12:23 am
Operator : AR/MG
Sample : 67835-2
Misc : SOIL,ARO
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:42 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/24/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71806.D Vial: 55
Acq On : 23 Sep 2010 2:30 am Operator: AR
Sample : 67835-2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:11 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MV 9/23/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5137944	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4594464	14.572 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	72.86%
Target Compounds			
2) TZM C-9	4.01	16445	<MDL ug/ml
3) TZM C-10	5.01	10303	<MDL ug/ml
4) TZM C-12	6.49	163392	<MDL ug/ml
5) TZM C-14	7.66	285950	<MDL ug/ml
6) TZM C-16	8.68	88476	<MDL ug/ml
7) TZM C-18	9.59	25652	<MDL ug/ml
8) XH C9-C18	7.38	35541705	104.179 ug/ml
9) TZM C-19	10.01	18666	<MDL ug/ml
10) TZM C-20	10.40f	3497	<MDL ug/ml
12) TZM C-22	11.44	44247	<MDL ug/ml
13) TZM C-24	12.73	15732	<MDL ug/ml
14) TZM C-26	14.21	13103	<MDL ug/ml
15) TZM C-28	15.73	7944	<MDL ug/ml
16) TZM C-30	17.22	9089	<MDL ug/ml
17) TZM C-36	21.28	21094	4.157 ug/ml
18) XH C19-C36	11.90	11550315	40.804 ug/ml

16.982/35.613 JR 2310

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

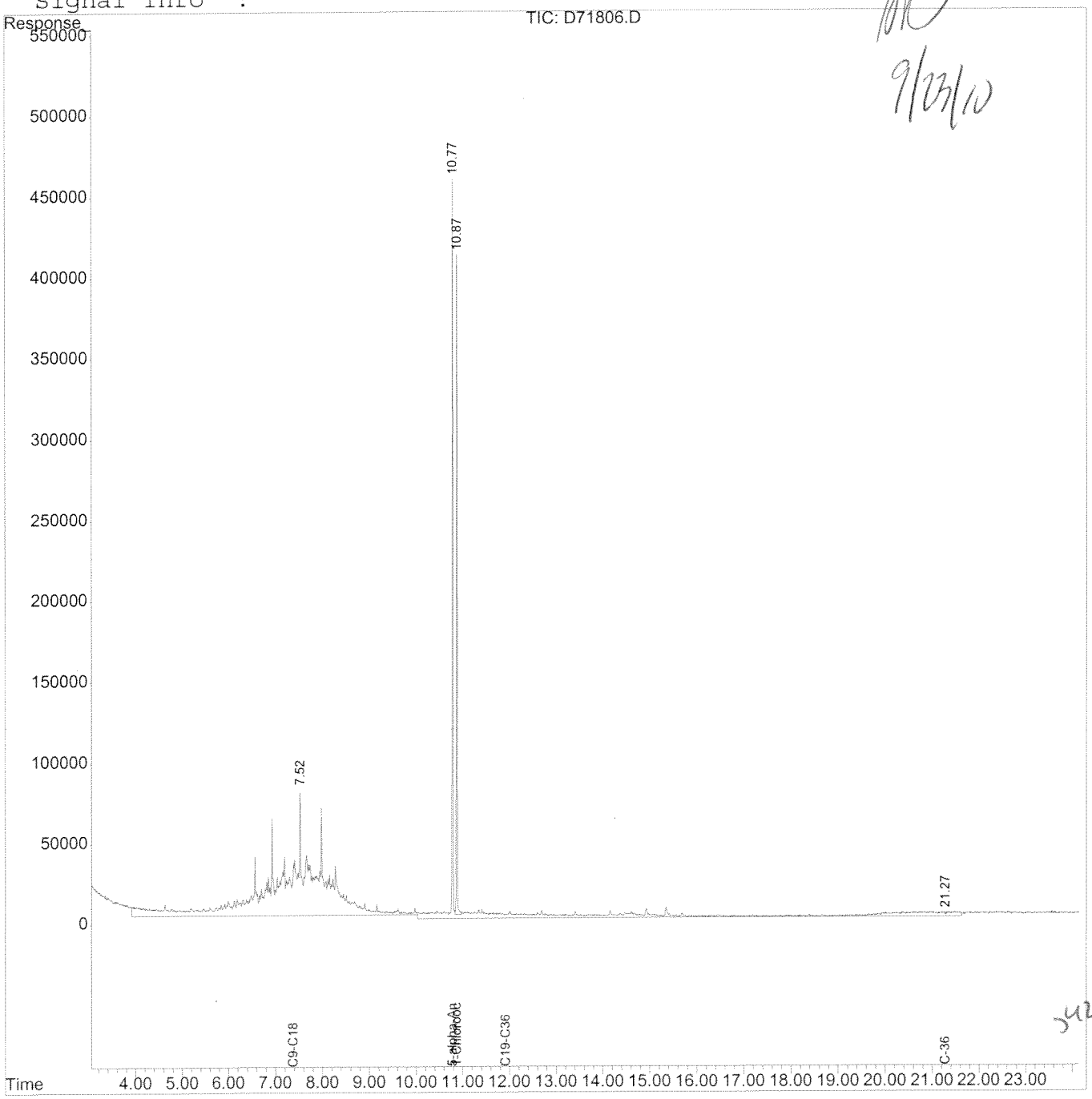
Data File : D:\HPCHEM\1\DATA\092110-D\D71806.D
Acq On : 23 Sep 2010 2:30 am
Sample : 67835-2
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Sep 23 3:11 2010 Quant Results File: ALG80410.RES

Vial: 55
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

AK
9/23/10



342310

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: C-B82-GTM4-SW-3

SAMPLE DATA

Lab Sample ID: 67835-3
Matrix: Solid
Percent Solid: 94
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/23/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		28200	µg/kg	U
Diesel PAH Analytes	Naphthalene	282	µg/kg	U
	2-Methylnaphthalene	282	µg/kg	U
	Phenanthrene	282	µg/kg	U
	Acenaphthene	282	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	282	µg/kg	U
	Fluorene	282	µg/kg	U
	Anthracene	282	µg/kg	U
	Fluoranthene	282	µg/kg	U
	Pyrene	282	µg/kg	U
	Benzo[a]anthracene	282	µg/kg	U
	Chrysene	282	µg/kg	U
	Benzo[b]fluoranthene	282	µg/kg	U
	Benzo[k]fluoranthene	282	µg/kg	U
	Benzo[a]pyrene	282	µg/kg	U
	Indeno[1,2,3-cd]pyrene	282	µg/kg	U
	Dibenzo[a,h]anthracene	282	µg/kg	U
	Benzo[g,h,i]perylene	282	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		28200	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		28200	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		28200	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				77
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				89
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				79
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: Mulbull

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67835-3

J9-23-10

Dilution Factors	ARO 1.057009		ALI 1.0570095
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		28187
Naphthalene	U		282
2-Methylnaphthalene	U		282
Phenanthrene	U		282
Acenaphthene	U		282
Acenaphthylene	U		282
Fluorene	U		282
Anthracene	U		282
Fluoranthene	U		282
Pyrene	U		282
Benzo[a]anthracene	U		282
Chrysene	U		282
Benzo[b] fluoranthene	U		282
Benzo[k] fluoranthene	U		282
Benzo[a] pyrene	U		282
Indeno [1,2,3-cd] pyrene	U		282
Dibenz [a,h] anthracene	U		282
Benzo(g,h,i) perylene	U		282
C9-C18 Aliphatics	U		28187
C19-C36 Aliphatics	U		28187
C11-C22 Aromatics	U		28187
1-Chlorooctadecane (Ali)	64%	40-140%	PASS
o-terphenyl (Aro)	77%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	89%	40-140%	PASS
2-Bromonaphthalene (Fraction)	79%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35983.D	---------
Date Acquired	9/23/2010 12:46	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.10**	15.10
% Solid (divided by 100)	**0.9398**	0.9398
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	140.9346	140.9346

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-141	Quadratic
2-Methylnaphthalene	-1.00	-141	Quadratic
Acenaphthylene	-1.00	-141	Quadratic
Acenaphthene	-1.00	-141	Quadratic
Fluorene	-1.00	-141	Quadratic
Phenanthrene	-1.00	-141	Quadratic
Anthracene	-1.00	-141	Quadratic
Fluoranthene	-1.00	-141	Quadratic
Pyrene	-1.00	-141	Quadratic
Benzo[a]anthracene	0.00	0	Avg RF
Chrysene	0.00	0	Avg RF
Benzo[b] fluoranthene	0.00	1	Avg RF
Benzo[k] fluoranthene	0.00	0	Avg RF
Benzo[a] pyrene	0.00	0	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.00	0	Avg RF
C11-C22	**44.970**	4103	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		5369	
ALIPHATICS			
C9-C18	**22.102**	722	
C9-C18 Hexane Blank	**16.982**		
C19-C36	**44.246**	1217	
C19-C36 Hexane Blank	**35.613**		
Surrogates			
1-Chlorooctadecane (Ali)	**12.720**	64%	
2-Fluorobiphenyl (Fraction)	17.72	89%	
2-Bromonaphthalene (Fraction)	15.86	79%	
o-terphenyl (Aro)	15.43	77%	

9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35983.D
Acq On : 23 Sep 2010 12:46 am
Operator : AR/MG
Sample : 67835-3
Misc : SOIL,ARO
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Sep 23 02:20:36 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

092310

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	83136	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	557348	17.72 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 88.60%		
10) 2-Bromonaphthalene	5.961	206	228105	15.86 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 79.30%		
11) o-terphenyl	7.480	230	388517	15.43 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 77.15%		

Target Compounds					Qvalue
2) Naphthalene	4.561	128	1731	Below Cal #	91
3) 2-Methylnaphthalene	5.131	141	163	Below Cal #	49
4) Acenaphthylene	5.961	152	254	Below Cal	97
5) Acenaphthene	5.991	154	45	Below Cal #	1
6) Fluorene	6.418	166	53	Below Cal #	1
7) Phenanthrene	7.180	178	318	Below Cal #	89
8) Anthracene	7.180	178	318	Below Cal #	90
12) Fluoranthene	8.140	202	434	Below Cal #	69
13) Pyrene	8.332	202	576	Below Cal #	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

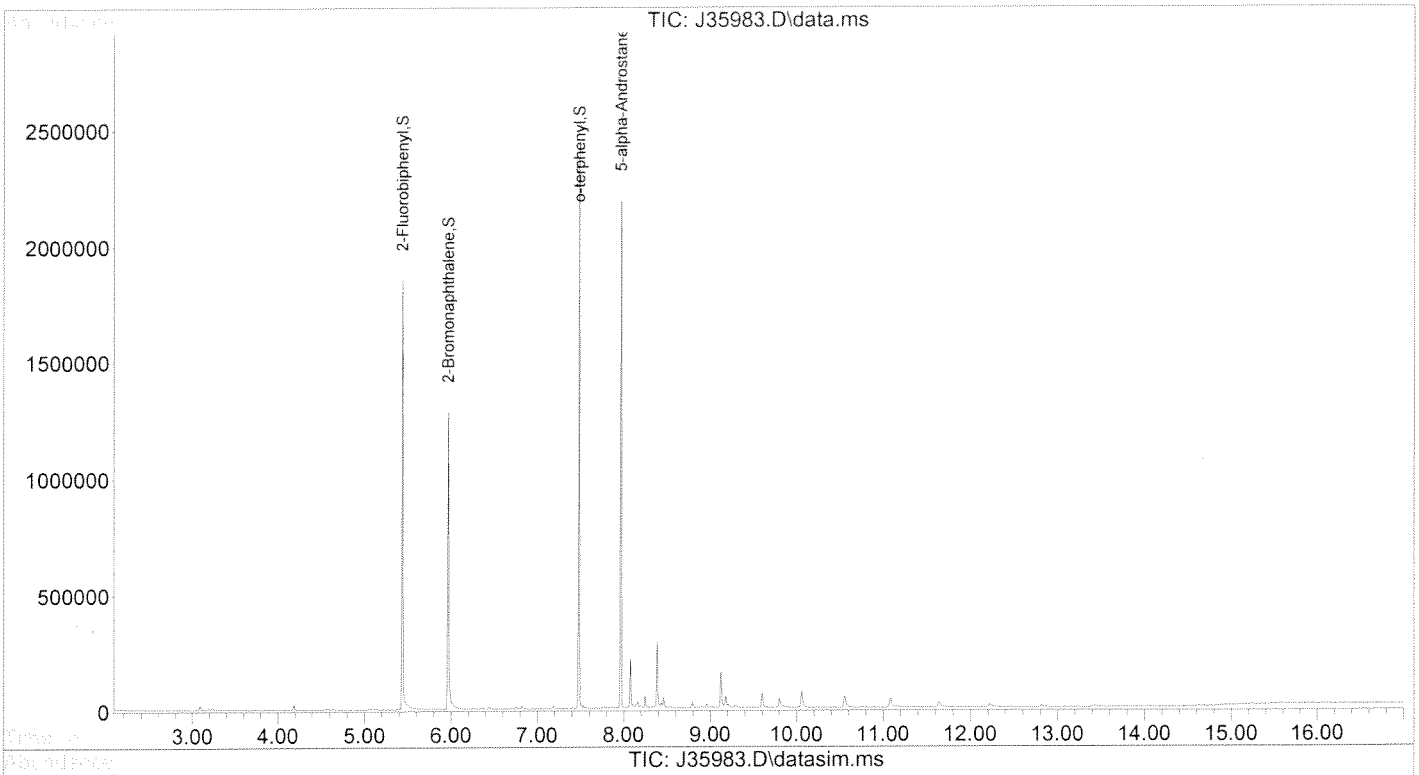
9/24/10

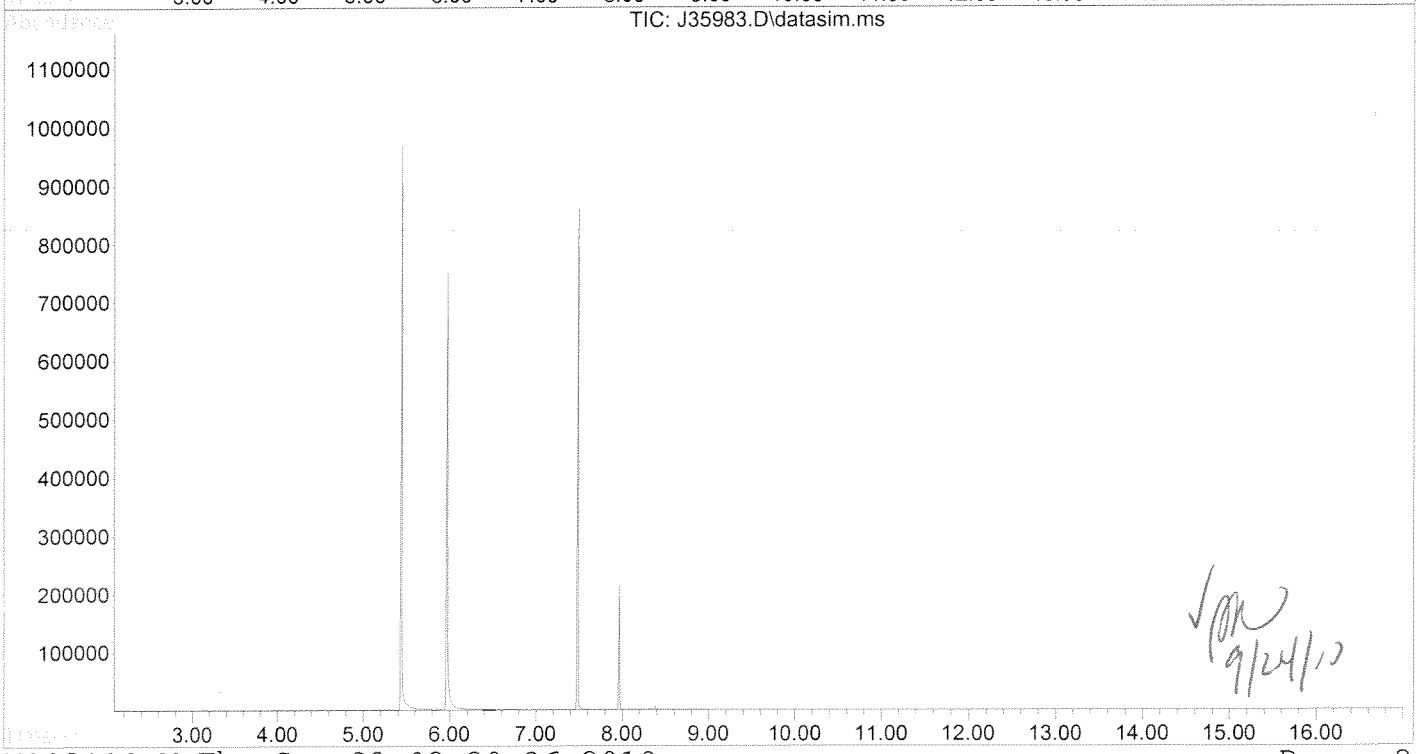
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35983.D
Acq On : 23 Sep 2010 12:46 am
Operator : AR/MG
Sample : 67835-3
Misc : SOIL,ARO
ALS Vial : 59 Sample Multiplier: 1

Quant Time: Sep 23 02:20:36 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

D423N





✓ 9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35983.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 12:46 am
Operator : AR/MG
Sample : 67835-3
Misc : SOIL,ARO
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:44 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	18842537	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	16161797	17.830 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	89.15% 89
10) S 2-Bromonaphthalene	5.964	12177414	17.075 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.38% 86
11) S o-terphenyl	7.481	18148135	15.969 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.84% 80
Target Compounds			
5) TZ Acenaphthene	5.964f	12177414	11.947 ug/ml
14) TZ Benzo[a]anthracene	9.601	990134	1.013 ug/ml
16) TZ Benzo[b] fluoranthene	11.085	901538	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.589	13758	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.360	16141	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.420	238827	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.753	8618	<MDL ug/ml
22) XH c11-c22	12.565	41775503	44.970 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

15.855

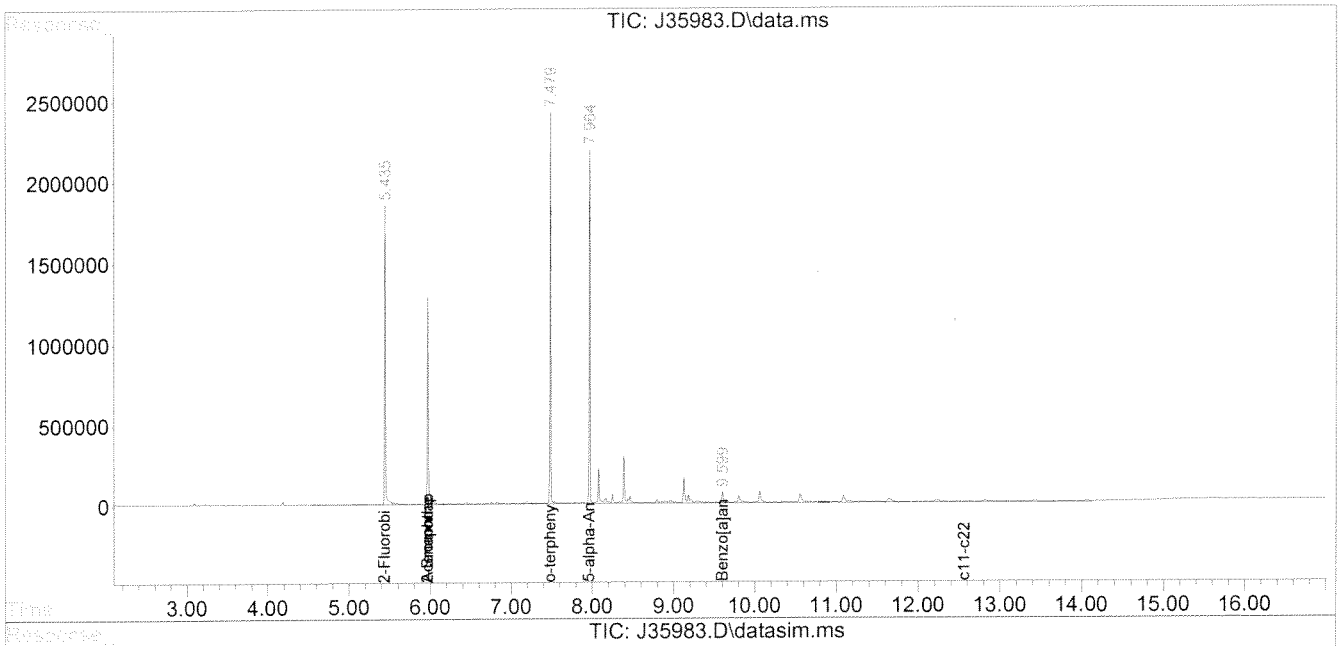
Quantitation Report (Not Reviewed)

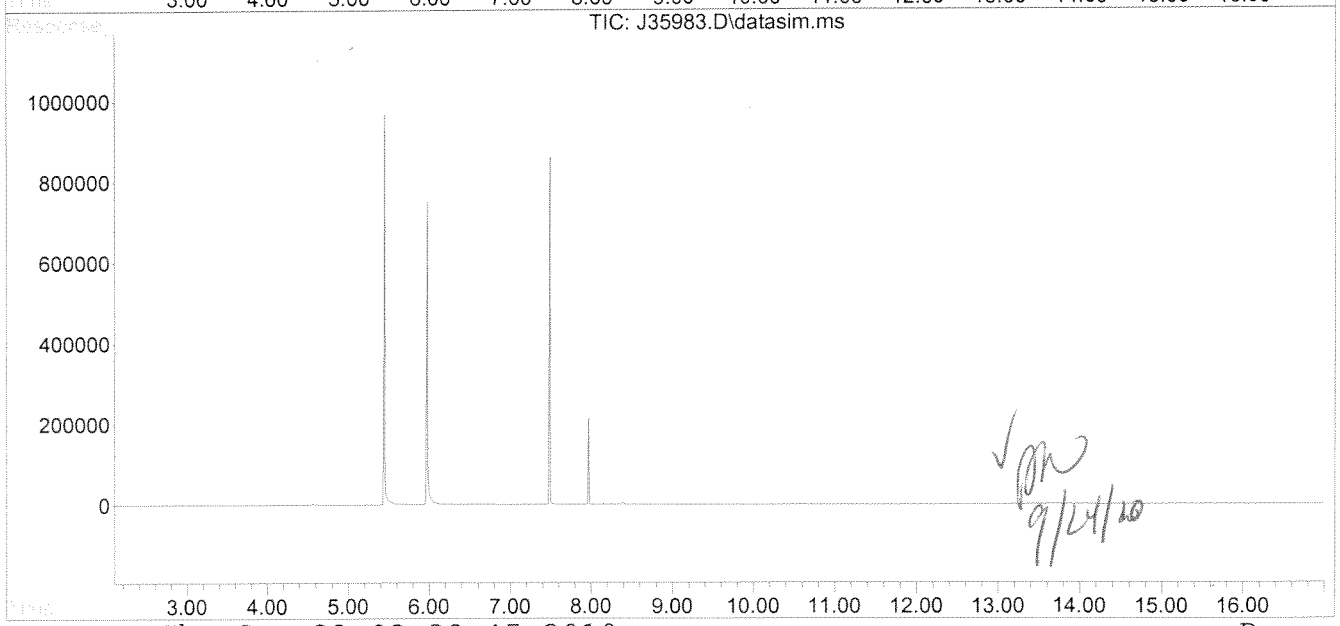
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35983.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 12:46 am
Operator : AR/MG
Sample : 67835-3
Misc : SOIL,ARO
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:44 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J42310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





✓ 9/24/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71807.D Vial: 56
Acq On : 23 Sep 2010 3:00 am Operator: AR
Sample : 67835-3 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:35 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

9/23/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5436302	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4243407	12.720 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.60%
Target Compounds			
2) TZM C-9	4.04	21552	<MDL ug/ml
3) TZM C-10	5.01	14056	<MDL ug/ml
4) TZM C-12	6.48	12938	<MDL ug/ml
5) TZM C-14	7.67	31175	<MDL ug/ml
6) TZM C-16	8.69	44086	<MDL ug/ml
7) TZM C-18	9.59	85154	<MDL ug/ml
8) XH C9-C18	7.38	7978380	22.102 ug/ml
9) TZM C-19	10.02	27331	<MDL ug/ml
10) TZM C-20	10.44	47073	<MDL ug/ml
12) TZM C-22	11.41	104964	<MDL ug/ml
13) TZM C-24	12.68	183005	<MDL ug/ml
14) TZM C-26	14.15	306299	<MDL ug/ml
15) TZM C-28	15.68	203747	<MDL ug/ml
16) TZM C-30	17.25	19015	<MDL ug/ml
17) TZM C-36	21.28	12767	4.110 ug/ml
18) XH C19-C36	11.90	13251838	44.246 ug/ml

16.982/35.613

9/23/10

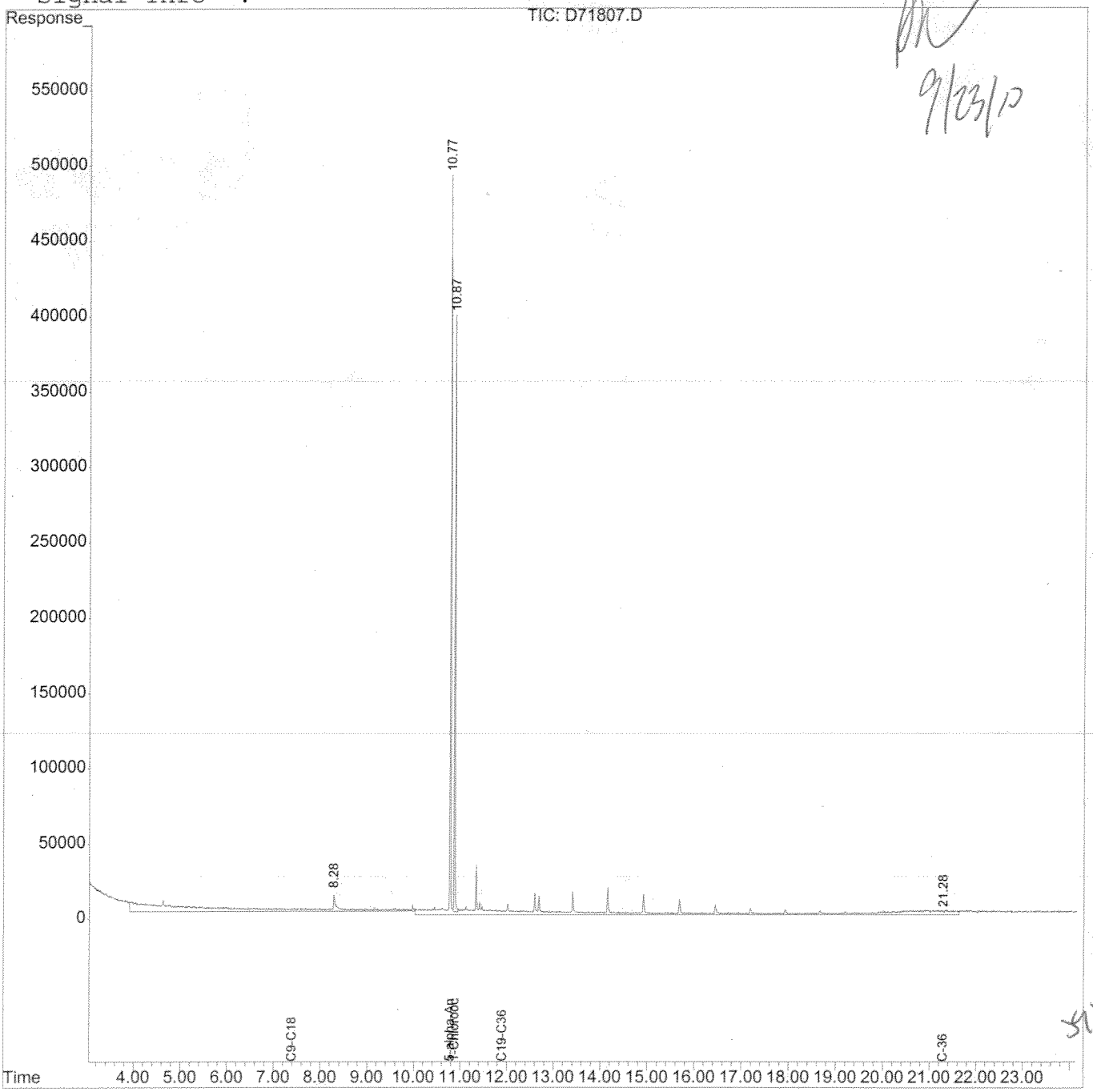
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71807.D Vial: 56
Acq On : 23 Sep 2010 3:00 am Operator: AR
Sample : 67835-3 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:35 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



9/23/10

3923W

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: C-B82-GTM4-SW-4

SAMPLE DATA

Lab Sample ID: 67835-4
Matrix: Solid
Percent Solid: 87
Dilution Factor: 1.1
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/23/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		29400	µg/kg	U
Diesel PAH Analytes	Naphthalene	294	µg/kg	U
	2-Methylnaphthalene	294	µg/kg	U
	Phenanthrene	294	µg/kg	U
	Acenaphthene	294	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	294	µg/kg	U
	Fluorene	294	µg/kg	U
	Anthracene	294	µg/kg	U
	Fluoranthene	294	µg/kg	U
	Pyrene	294	µg/kg	U
	Benzo[a]anthracene	294	µg/kg	U
	Chrysene	294	µg/kg	U
	Benzo[b]fluoranthene	294	µg/kg	U
	Benzo[k]fluoranthene	294	µg/kg	U
	Benzo[a]pyrene	294	µg/kg	U
	Indeno[1,2,3-cd]pyrene	294	µg/kg	U
	Dibenzo[a,h]anthracene	294	µg/kg	U
	Benzo[g,h,i]perylene	294	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		29400	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		29400	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		29400	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				62
Aromatic Surrogate % Recovery (O-Terphenyl)				74
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				92
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				79
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mpbhlull

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67835-4

Dilution Factors	ARO	1.099560	ALI 1.0995604

	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		29322
Naphthalene	U		293
2-Methylnaphthalene	U		293
Phenanthrene	U		293
Acenaphthene	U		293
Acenaphthylene	U		293
Fluorene	U		293
Anthracene	U		293
Fluoranthene	U		293
Pyrene	U		293
Benzo[a]anthracene	U		293
Chrysene	U		293
Benzo[b] fluoranthene	U		293
Benzo[k] fluoranthene	U		293
Benzo[a] pyrene	U		293
Indeno [1,2,3-cd] pyrene	U		293
Dibenz [a,h] anthracene	U		293
Benzo(g,h,i) perylene	U		293
C9-C18 Aliphatics	U		29322
C19-C36 Aliphatics	U		29322
C11-C22 Aromatics	U		29322
1-Chlorooctadecane (Ali)	62%	40-140%	PASS
o-terphenyl (Aro)	74%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	92%	40-140%	PASS
2-Bromonaphthalene (Fraction)	79%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35984.D	---------
Date Acquired	9/23/2010 1:09	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.72**	15.72
% Solid (divided by 100)	**0.8678**	0.8678
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	146.6080	146.6080

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-147	Quadratic
2-Methylnaphthalene	-1.00	-147	Quadratic
Acenaphthylene	-1.00	-147	Quadratic
Acenaphthene	-1.00	-147	Quadratic
Fluorene	-1.00	-147	Quadratic
Phenanthrene	-1.00	-147	Quadratic
Anthracene	-1.00	-147	Quadratic
Fluoranthene	-1.00	-147	Quadratic
Pyrene	-1.00	-147	Quadratic
Benzo[a]anthracene	0.00	0	Avg RF
Chrysene	0.00	0	Avg RF
Benzo[b] fluoranthene	0.00	0	Avg RF
Benzo[k] fluoranthene	0.00	0	Avg RF
Benzo[a] pyrene	0.00	0	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.00	0	Avg RF
C11-C22	**46.304**	4464	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		5781	
ALIPHATICS			
C9-C18	**18.958**	290	
C9-C18 Hexane Blank	**16.982**		
C19-C36	**49.675**	2062	
C19-C36 Hexane Blank	**35.613**		
Surrogates			
1-Chlorooctadecane (Ali)	**12.335**	62%	
2-Fluorobiphenyl (Fraction)	18.46	92%	
2-Bromonaphthalene (Fraction)	15.82	79%	
o-terphenyl (Aro)	14.73	74%	

9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35984.D
Acq On : 23 Sep 2010 1:09 am
Operator : AR/MG
Sample : 67835-4
Misc : SOIL,ARO
ALS Vial : 60 Sample Multiplier: 1

J92310

Quant Time: Sep 23 02:20:38 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	82594	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	576707	18.46 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	92.30%	92
10) 2-Bromonaphthalene	5.961	206	226001	15.82 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	79.10%	79
11) o-terphenyl	7.480	230	368407	14.73 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	73.65%	74

Target Compounds					Qvalue
2) Naphthalene	4.561	128	2429	Below Cal #	93
3) 2-Methylnaphthalene	5.131	141	359	Below Cal #	72
4) Acenaphthylene	5.855	152	322	Below Cal #	76
5) Acenaphthene	5.991	154	234	Below Cal	96
6) Fluorene	6.412	166	100	Below Cal #	66
7) Phenanthrene	7.180	178	333	Below Cal #	67
8) Anthracene	7.222	178	57	Below Cal #	1
12) Fluoranthene	8.136	202	545	Below Cal #	49
13) Pyrene	8.337	202	591	Below Cal #	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed

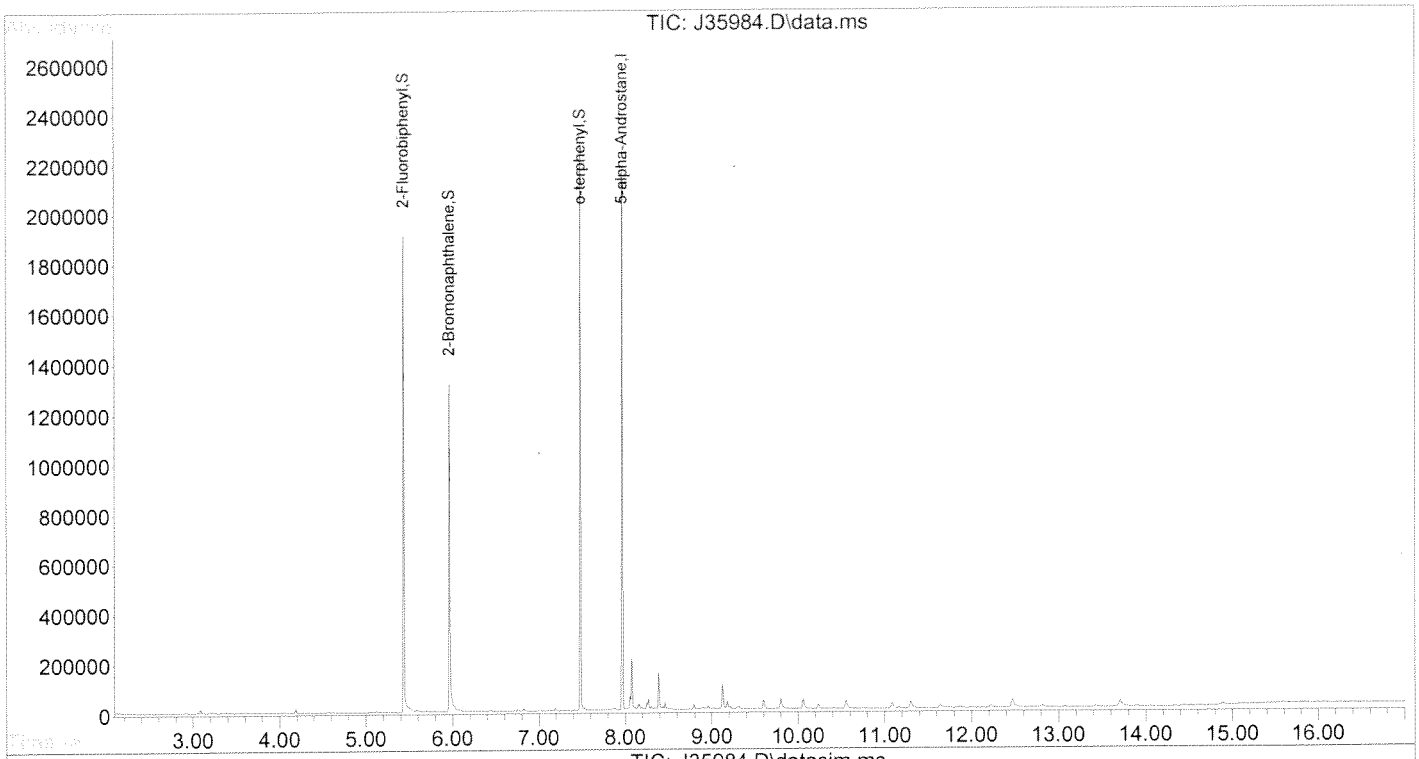
9/24/10

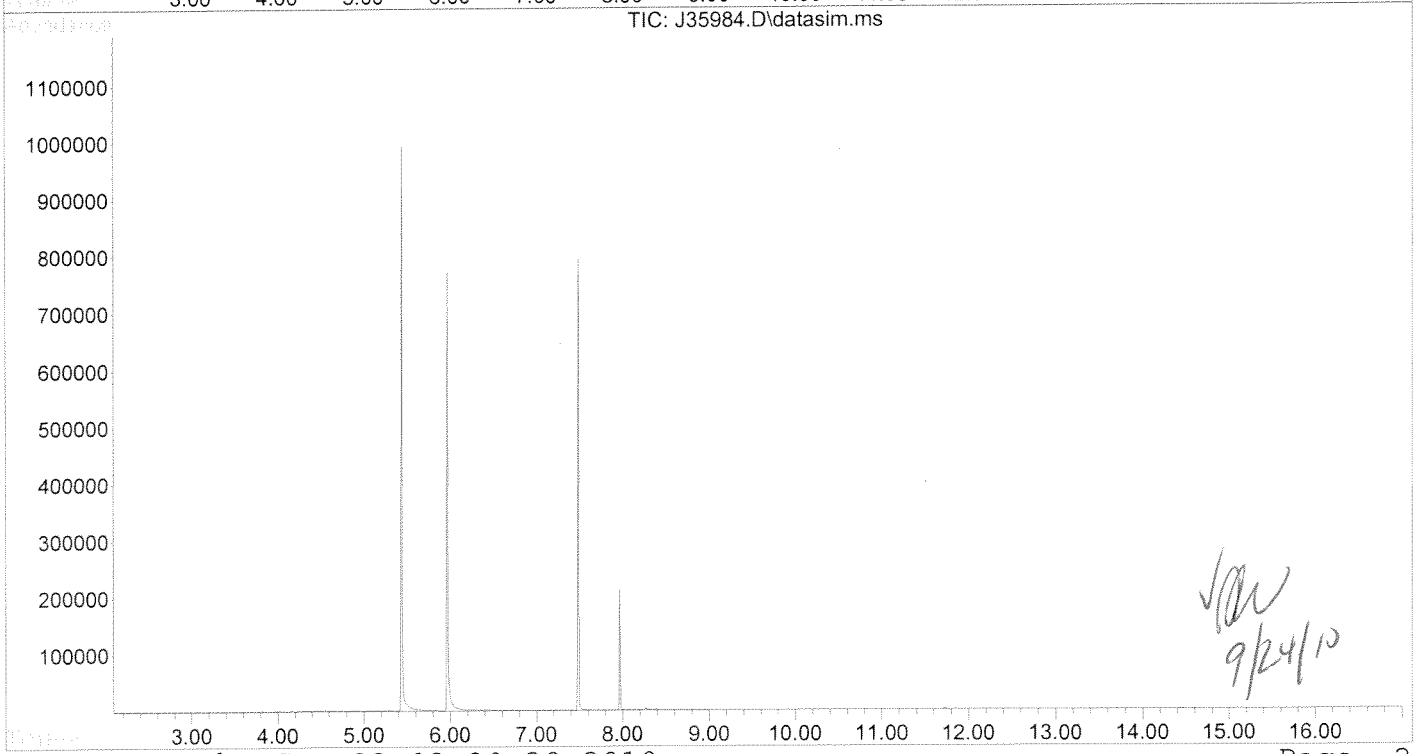
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35984.D
Acq On : 23 Sep 2010 1:09 am
Operator : AR/MG
Sample : 67835-4
Misc : SOIL,ARO
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Sep 23 02:20:38 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J42315





9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35984.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 1:09 am
Operator : AR/MG
Sample : 67835-4
Misc : SOIL,ARO
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:46 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J92310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	18510151	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	16818341	19.032 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	95.16%
10) S 2-Bromonaphthalene	5.964	12078531	17.241 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	86.20%
11) S o-terphenyl	7.481	17192927	15.302 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	76.51%
Target Compounds			
5) TZ Acenaphthene	5.964f	12078531	12.079 ug/ml
14) TZ Benzo[a]anthracene	9.601	694221	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.130	47517	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.572	24080	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.350	34263	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.423	213786	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.767	106805	<MDL ug/ml
22) XH c11-c22	12.565	42256058	46.304 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

15.855

9/24/10

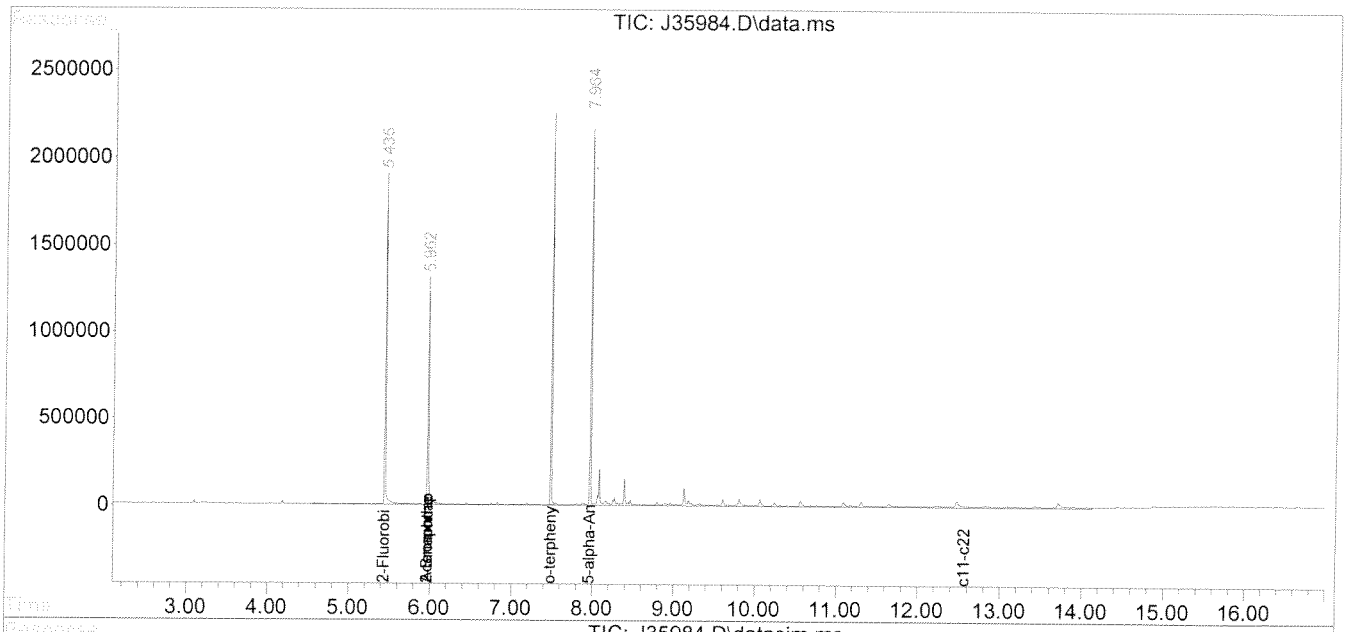
Quantitation Report (Not Reviewed)

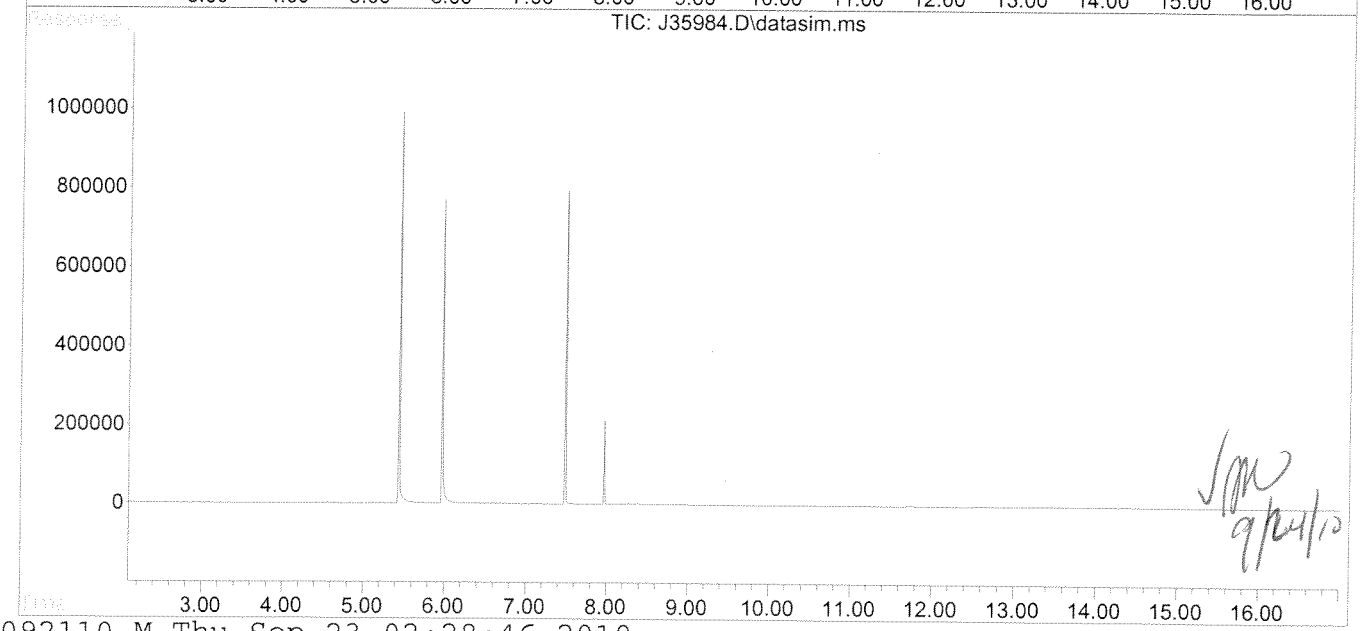
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35984.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 1:09 am
Operator : AR/MG
Sample : 67835-4
Misc : SOIL,ARO
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:46 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J42010

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JMW 9/24/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71808.D Vial: 57
Acq On : 23 Sep 2010 3:30 am Operator: AR
Sample : 67835-4 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9-23-10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5144115	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	3893969	12.335 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	61.68% 62
Target Compounds			
2) TZM C-9	4.00	18501	<MDL ug/ml
3) TZM C-10	4.99	5665	<MDL ug/ml
4) TZM C-12	6.52	19753	<MDL ug/ml
5) TZM C-14	7.70	19872	<MDL ug/ml
6) TZM C-16	8.68	29473	<MDL ug/ml
7) TZM C-18	9.62	19658	<MDL ug/ml
8) XH C9-C18	7.38	6475661	18.958 ug/ml
9) TZM C-19	10.02	34347	<MDL ug/ml
10) TZM C-20	10.44	24262	<MDL ug/ml
12) TZM C-22	11.41	116296	<MDL ug/ml
13) TZM C-24	12.74	30795	<MDL ug/ml
14) TZM C-26	14.20	24679	<MDL ug/ml
15) TZM C-28	15.68	292432	1.130 ug/ml
16) TZM C-30	17.24	47345	<MDL ug/ml
17) TZM C-36	21.26	39472	4.254 ug/ml
18) XH C19-C36	11.90	14078190	49.675 ug/ml

16.982/35.613

9/24/10

(f)=RT Delta > 1/2 Window (m)=manual int.

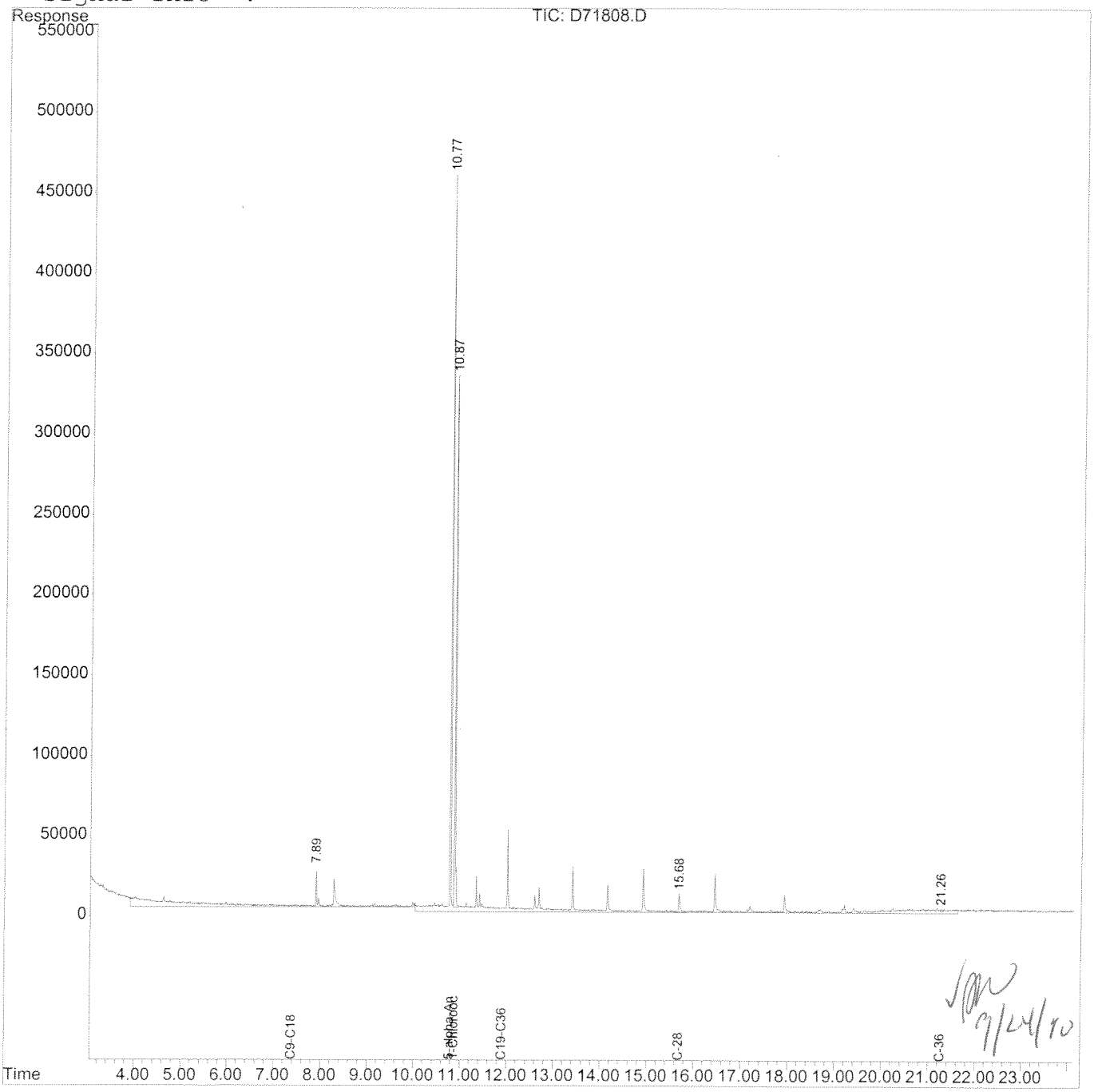
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71808.D Vial: 57
Acq On : 23 Sep 2010 3:30 am Operator: AR
Sample : 67835-4 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

→ 42300

Volume Inj. :
Signal Phase :
Signal Info :



JPW 9/24/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

September 23, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: C-B82-GTM4-B-5

SAMPLE DATA

Lab Sample ID: 67835-5
Matrix: Solid
Percent Solid: 78
Dilution Factor: 1.2
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/23/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		33600	µg/kg	U
Diesel PAH Analytes	Naphthalene	336	µg/kg	U
	2-Methylnaphthalene	336	µg/kg	U
	Phenanthrene	336	µg/kg	U
	Acenaphthene	336	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	336	µg/kg	U
	Fluorene	336	µg/kg	U
	Anthracene	336	µg/kg	U
	Fluoranthene	336	µg/kg	U
	Pyrene	336	µg/kg	U
	Benzo[a]anthracene	336	µg/kg	U
	Chrysene	336	µg/kg	U
	Benzo[b]fluoranthene	336	µg/kg	U
	Benzo[k]fluoranthene	336	µg/kg	U
	Benzo[a]pyrene	336	µg/kg	U
	Indeno[1,2,3-cd]pyrene	336	µg/kg	U
	Dibenzo[a,h]anthracene	336	µg/kg	U
	Benzo[g,h,i]perylene	336	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		33600	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		33600	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		33600	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				64
Aromatic Surrogate % Recovery (O-Terphenyl)				66
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				72
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				68
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE: Mrbbell

EPH SOIL ANALYTICAL RESULTS

59-7310

Sample Name: 67835-5

Dilution Factors	ARO	1.257505	ALI 1.2575048

	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		33533
Naphthalene	U		335
2-Methylnaphthalene	U		335
Phenanthrene	U		335
Acenaphthene	U		335
Acenaphthylene	U		335
Fluorene	U		335
Anthracene	U		335
Fluoranthene	U		335
Pyrene	U		335
Benzo[a]anthracene	U		335
Chrysene	U		335
Benzo[b] fluoranthene	U		335
Benzo[k] fluoranthene	U		335
Benzo[a] pyrene	U		335
Indeno [1,2,3-cd] pyrene	U		335
Dibenz [a,h] anthracene	U		335
Benzo(g,h,i) perylene	U		335
C9-C18 Aliphatics	U		33533
C19-C36 Aliphatics	U		33533
C11-C22 Aromatics	U		33533
1-Chlorooctadecane (Ali)	64%	40-140%	PASS
o-terphenyl (Aro)	66%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	72%	40-140%	PASS
2-Bromonaphthalene (Fraction)	68%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35985.D	---------
Date Acquired	9/23/2010 1:32	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.34**	15.34
% Solid (divided by 100)	**0.7776**	0.7776
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	167.6673	167.6673

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-168	Quadratic
2-Methylnaphthalene	-1.00	-168	Quadratic
Acenaphthylene	-1.00	-168	Quadratic
Acenaphthene	-1.00	-168	Quadratic
Fluorene	-1.00	-168	Quadratic
Phenanthrene	-1.00	-168	Quadratic
Anthracene	-1.00	-168	Quadratic
Fluoranthene	-1.00	-168	Quadratic
Pyrene	-1.00	-168	Quadratic
Benzo[a]anthracene	0.01	2	Avg RF
Chrysene	0.01	1	Avg RF
Benzo[b] fluoranthene	0.00	0	Avg RF
Benzo[k] fluoranthene	0.01	1	Avg RF
Benzo[a] pyrene	0.01	2	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	0	Avg RF
Dibenz [a,h] anthracene	0.00	0	Avg RF
Benzo(g,h,i) perylene	0.00	1	Avg RF
C11-C22	**32.577**	2804	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		4304	
ALIPHATICS			
C9-C18	**20.995**	673	
C9-C18 Hexane Blank	**16.982**		
C19-C36	**39.818**	705	
C19-C36 Hexane Blank	**35.613**		
Surrogates			
1-Chlorooctadecane (Ali)	**12.758**	64%	
2-Fluorobiphenyl (Fraction)	14.45	72%	
2-Bromonaphthalene (Fraction)	13.50	68%	
o-terphenyl (Aro)	13.26	66%	

9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35985.D
Acq On : 23 Sep 2010 1:32 am
Operator : AR/MG
Sample : 67835-5
Misc : SOIL,ARO
ALS Vial : 61 Sample Multiplier: 1

Q

Quant Time: Sep 23 02:20:40 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

D42310

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	93619	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	511657	14.45 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	72.25%	72
10) 2-Bromonaphthalene	5.962	206	218714	13.50 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	67.50%	68
11) o-terphenyl	7.480	230	376151	13.26 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	66.30%	66

Target Compounds					Qvalue
2) Naphthalene	4.561	128	1693	Below Cal #	92
3) 2-Methylnaphthalene	5.137	141	350	Below Cal	97
4) Acenaphthylene	5.849	152	526	Below Cal #	92
5) Acenaphthene	5.991	154	135	Below Cal #	47
6) Fluorene	6.412	166	242	Below Cal #	70
7) Phenanthrene	7.185	178	1134	Below Cal #	90
8) Anthracene	7.185	178	1146	Below Cal #	90
12) Fluoranthene	8.140	202	1616	Below Cal #	72
13) Pyrene	8.328	202	1939	Below Cal	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

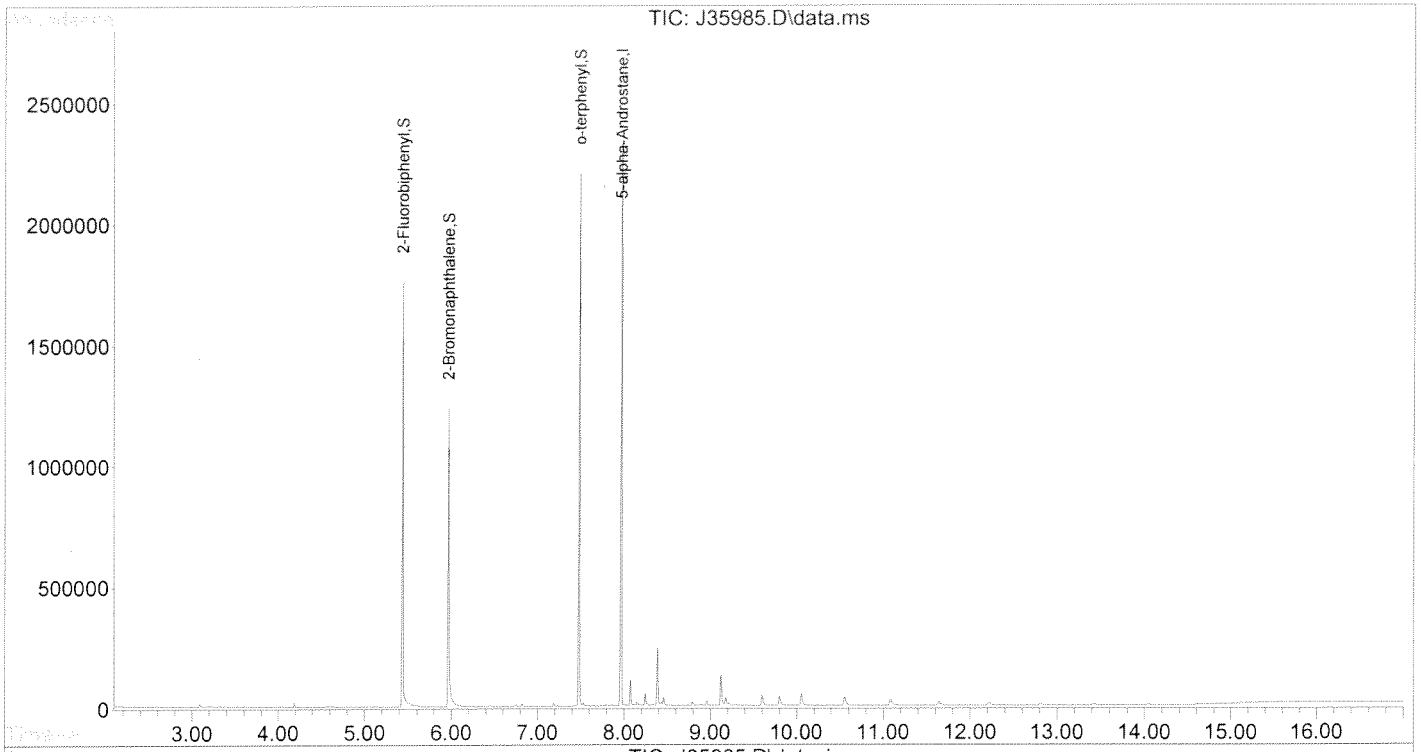
9/24/10

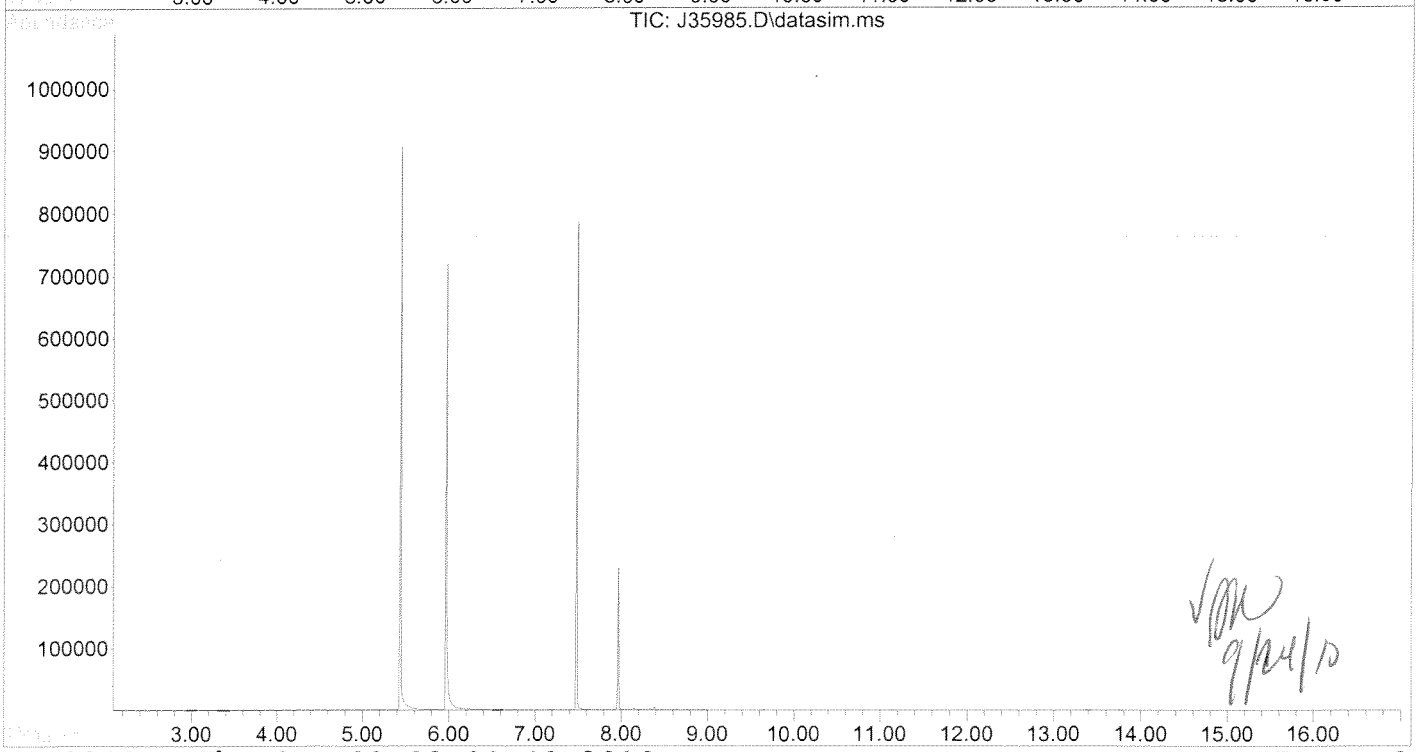
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35985.D
Acq On : 23 Sep 2010 1:32 am
Operator : AR/MG
Sample : 67835-5
Misc : SOIL,ARO
ALS Vial : 61 Sample Multiplier: 1

Quant Time: Sep 23 02:20:40 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J92310





9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35985.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 1:32 am
Operator : AR/MG
Sample : 67835-5
Misc : SOIL,ARO
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:48 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

J42310

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	20950539	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	14993200	14.565 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	72.82% 73
10) S 2-Bromonaphthalene	5.964	11928800	15.044 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	75.22% 75
11) S o-terphenyl	7.481	17642869	13.654 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	68.27% 60
Target Compounds			
5) TZ Acenaphthene	5.964f	11928800	10.333 ug/ml
14) TZ Benzo[a]anthracene	9.601	707268	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.085	598440	<MDL ug/ml
18) TZ Benzo[a] pyrene	11.601	21632	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.350	6339	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.423	182172	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.709	30445	<MDL ug/ml
22) XH c11-c22	12.565	33648438	32.577 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

15.855

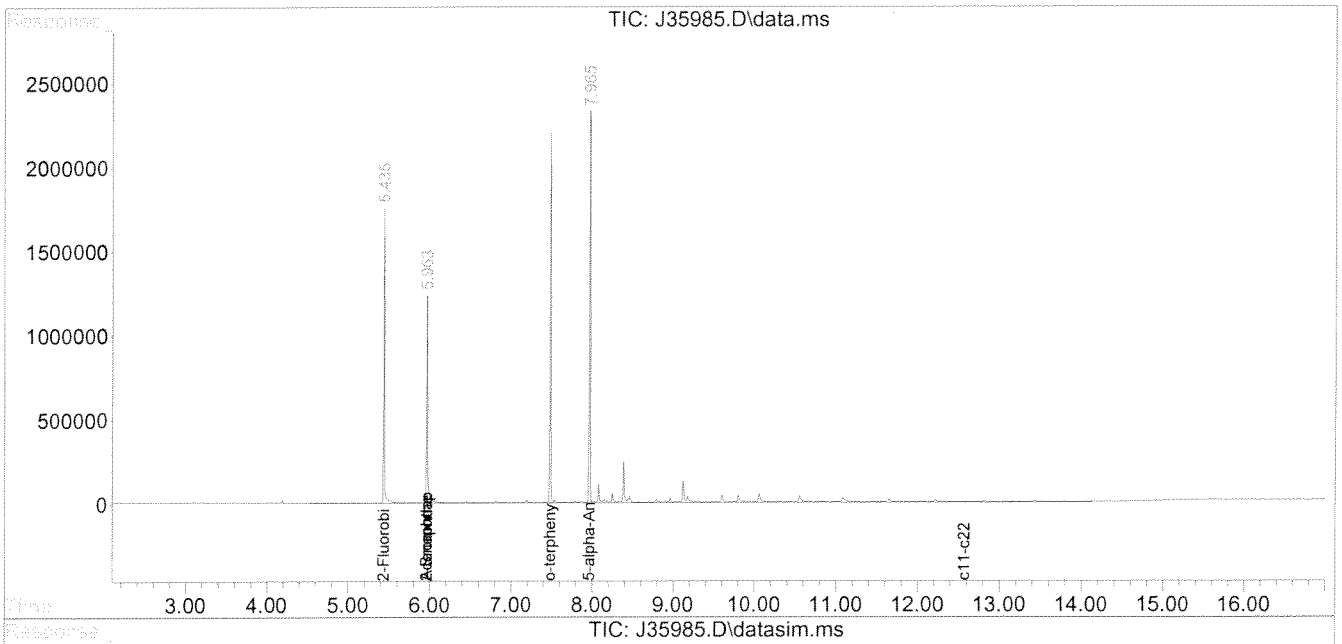
9/24/10

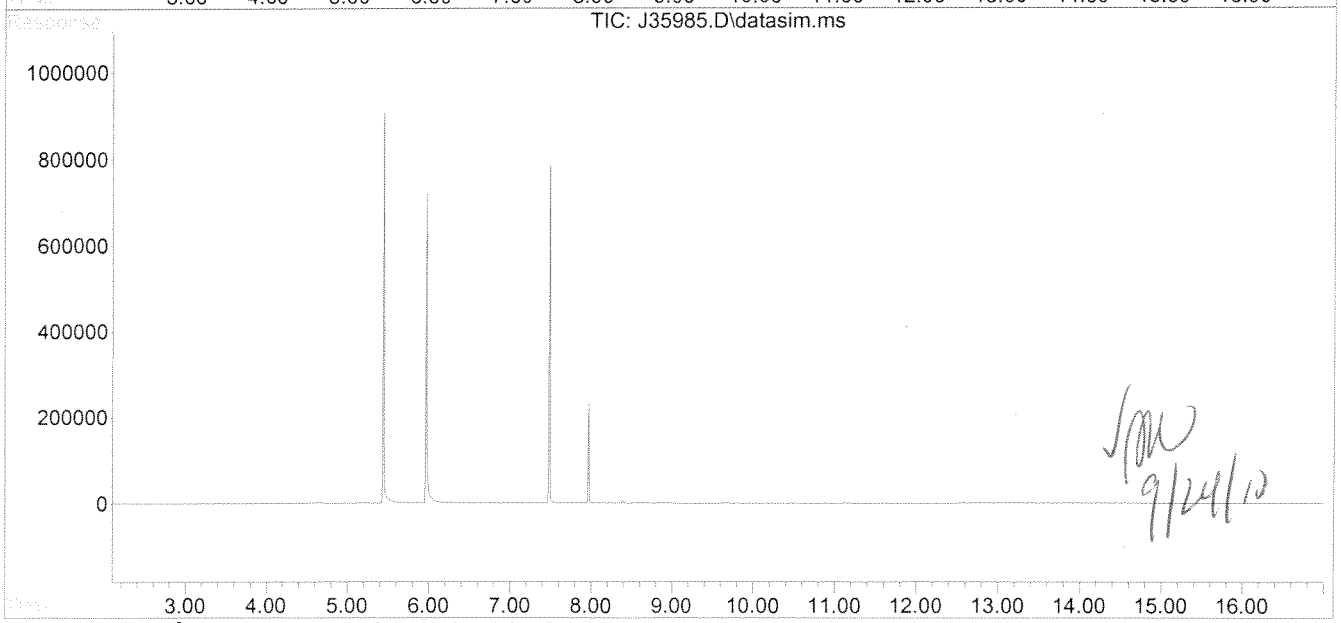
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35985.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 1:32 am
Operator : AR/MG
Sample : 67835-5
Misc : SOIL,ARO
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:48 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





392310

9/24/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71809.D Vial: 58
Acq On : 23 Sep 2010 4:00 am Operator: AR
Sample : 67835-5 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5311097	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4158126	12.758 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.79%
Target Compounds			
2) TZM C-9	4.02	22889	<MDL ug/ml
3) TZM C-10	5.02	49549	<MDL ug/ml
4) TZM C-12	6.48	15802	<MDL ug/ml
5) TZM C-14	7.67	25238	<MDL ug/ml
6) TZM C-16	8.68	34120	<MDL ug/ml
7) TZM C-18	9.59	23038	<MDL ug/ml
8) XH C9-C18	7.38	7404233	20.995 ug/ml
9) TZM C-19	10.07	5381	<MDL ug/ml
10) TZM C-20	10.44	28424	<MDL ug/ml
12) TZM C-22	11.41	56993	<MDL ug/ml
13) TZM C-24	12.68	114788	<MDL ug/ml
14) TZM C-26	14.15	186369	<MDL ug/ml
15) TZM C-28	15.68	142124	<MDL ug/ml
16) TZM C-30	17.23	12525	<MDL ug/ml
17) TZM C-36	21.26	19455	4.145 ug/ml
18) XH C19-C36	11.90	11651068	39.818 ug/ml

64

16.982 / 35-613

9/24/10

(f)=RT Delta > 1/2 Window (m)=manual int.

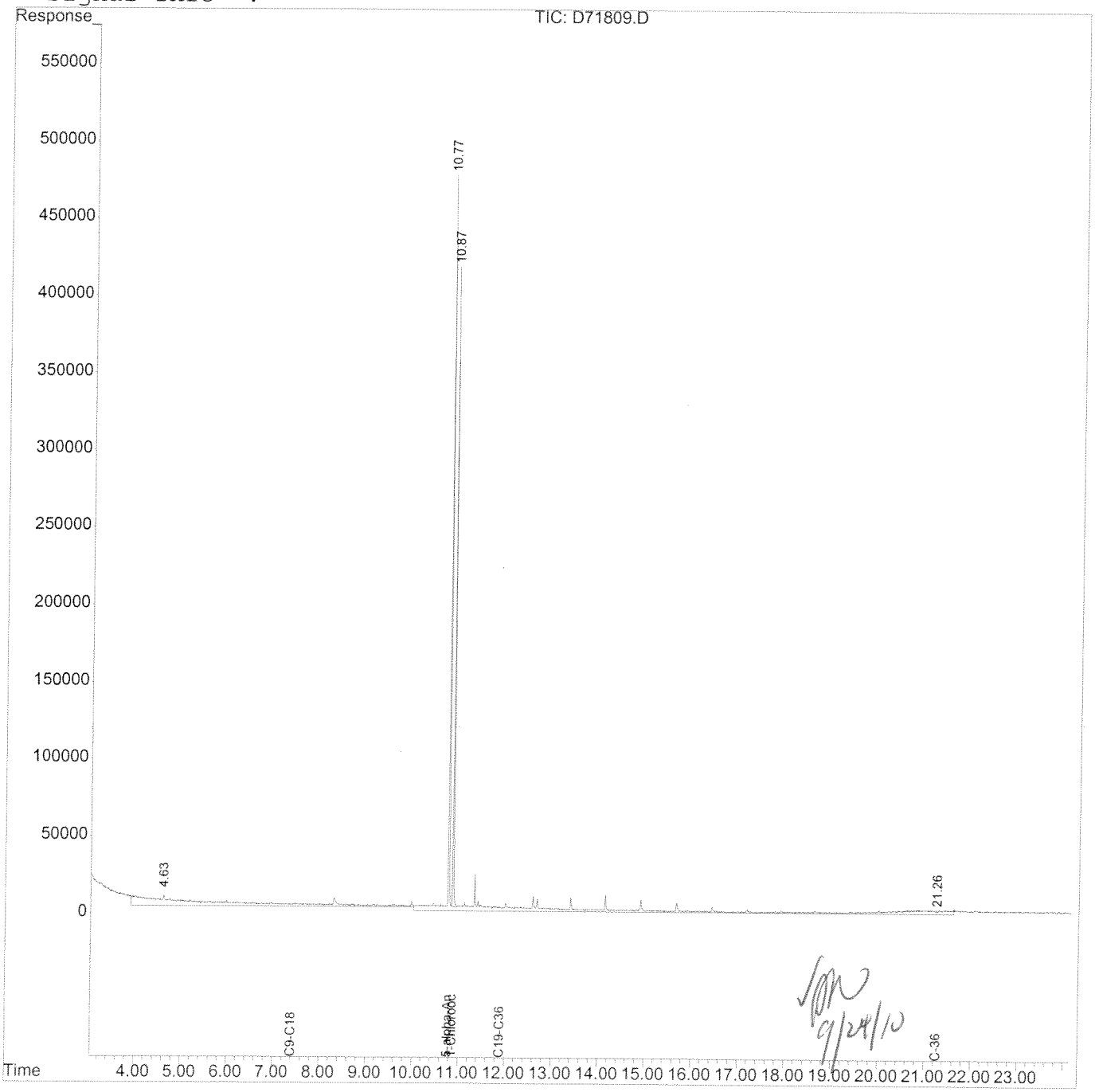
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71809.D
Acq On : 23 Sep 2010 4:00 am
Sample : 67835-5
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Vial: 58
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

September 23, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY SOIL PIPE, Bld. 82

Project Number: 106-2282
Client Sample ID: C-B82-GTM3-SW-2

SAMPLE DATA

Lab Sample ID: 67835-6
Matrix: Solid
Percent Solid: 92
Dilution Factor: 1.0
Collection Date: 09/20/10
Lab Receipt Date: 09/20/10
Extraction Date: 09/20/10
Analysis Date: 09/23/10

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		27900	µg/kg	U
Diesel PAH Analytes	Naphthalene	279	µg/kg	U
	2-Methylnaphthalene	279	µg/kg	U
	Phenanthrene	279	µg/kg	U
	Acenaphthene	279	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	279	µg/kg	U
	Fluorene	279	µg/kg	U
	Anthracene	279	µg/kg	U
	Fluoranthene	279	µg/kg	U
	Pyrene	279	µg/kg	U
	Benzo[a]anthracene	279	µg/kg	U
	Chrysene	279	µg/kg	U
	Benzo[b]fluoranthene	279	µg/kg	U
	Benzo[k]fluoranthene	279	µg/kg	U
	Benzo[a]pyrene	279	µg/kg	U
	Indeno[1,2,3-cd]pyrene	279	µg/kg	U
	Dibenzo[a,h]anthracene	279	µg/kg	U
	Benzo[g,h,i]perylene	279	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		27900	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		27900	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		27900	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				73
Aromatic Surrogate % Recovery (O-Terphenyl)				73
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				81
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				74
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist. Results are expressed on a dry weight basis.

SIGNATURE: _____

EPH SOIL ANALYTICAL RESULTS

Sample Name: 67835-6

Dilution Factors	ARO 1.044166		ALI 1.0441659
	ug/kg	RESULTS QUALIFIER	RL
Unadjusted C11-C22 Aromatics	U		27844
Naphthalene	U		278
2-Methylnaphthalene	U		278
Phenanthrene	U		278
Acenaphthene	U		278
Acenaphthylene	U		278
Fluorene	U		278
Anthracene	U		278
Fluoranthene	U		278
Pyrene	U		278
Benzo[a]anthracene	U		278
Chrysene	U		278
Benzo[b] fluoranthene	U		278
Benzo[k] fluoranthene	U		278
Benzo[a] pyrene	U		278
Indeno [1,2,3-cd] pyrene	U		278
Dibenz [a,h] anthracene	U		278
Benzo(g,h,i) perylene	U		278
C9-C18 Aliphatics	U		27844
C19-C36 Aliphatics	U		27844
C11-C22 Aromatics	U		27844
1-Chlorooctadecane (Ali)	73%	40-140%	PASS
o-terphenyl (Aro)	73%	40-140%	PASS
2-Fluorobiphenyl (Fraction)	81%	40-140%	PASS
2-Bromonaphthalene (Fraction)	74%	40-140%	PASS

	Aromatic Sample Info	Aliphatic Sample Info
Data File Name	J35986.D	---------
Date Acquired	9/23/2010 1:55	---------
Misc Info	SOIL,ARO	---------
Soil Weight (g)	**15.63**	15.63
% Solid (divided by 100)	**0.9191**	0.9191
Final Volume (mL)	**2.0**	2.0
Dilution (1:X)	**1**	**1**
Calculation Factor	139.2221	139.2221

RAW DATA

AROMATICS	Inst. Amount ug/mL	Sample Amount ug/kg	Calibration Fit
Naphthalene	-1.00	-139	Quadratic
2-Methylnaphthalene	-1.00	-139	Quadratic
Acenaphthylene	-1.00	-139	Quadratic
Acenaphthene	-1.00	-139	Quadratic
Fluorene	-1.00	-139	Quadratic
Phenanthrene	-1.00	-139	Quadratic
Anthracene	-1.00	-139	Quadratic
Fluoranthene	-1.00	-139	Quadratic
Pyrene	-1.00	-139	Quadratic
Benzo[a]anthracene	0.09	13	Avg RF
Chrysene	0.10	13	Avg RF
Benzo[b] fluoranthene	0.07	10	Avg RF
Benzo[k] fluoranthene	0.01	2	Avg RF
Benzo[a] pyrene	0.06	9	Avg RF
Indeno [1,2,3-cd] pyrene	0.00	1	Avg RF
Dibenz [a,h] anthracene	0.00	1	Avg RF
Benzo(g,h,i) perylene	0.02	3	Avg RF
C11-C22	**45.140**	4077	
ARO Hexane Blank	**15.855**		
Adjusted C11-C22		5279	
ALIPHATICS			
C9-C18	**20.998**	559	
C9-C18 Hexane Blank	**16.982**		
C19-C36	**47.696**	1682	
C19-C36 Hexane Blank	**35.613**		

Surrogates		
1-Chlorooctadecane (Ali)	**14.517**	73%
2-Fluorobiphenyl (Fraction)	16.26	81%
2-Bromonaphthalene (Fraction)	14.78	74%
o-terphenyl (Aro)	14.51	73%

D47310

9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35986.D
Acq On : 23 Sep 2010 1:55 am
Operator : AR/MG
Sample : 67835-6
Misc : SOIL,ARO
ALS Vial : 62 Sample Multiplier: 1

J42310

Quant Time: Sep 23 02:20:42 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	98132	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	603591	16.26 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	81.30%	81
10) 2-Bromonaphthalene	5.961	206	250964	14.78 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	73.90%	74
11) o-terphenyl	7.480	230	431346	14.51 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery =	72.55%	72

Target Compounds					Qvalue
2) Naphthalene	4.561	128	2612	~~Below Cal~~ #	92
3) 2-Methylnaphthalene	5.131	141	636	Below Cal	97
4) Acenaphthylene	5.849	152	1032	Below Cal	94
5) Acenaphthene	5.991	154	326	Below Cal #	81
6) Fluorene	6.418	166	522	Below Cal #	82
7) Phenanthrene	7.180	178	5401	Below Cal #	91
8) Anthracene	7.180	178	5401	Below Cal #	92
12) Fluoranthene	8.136	202	8247	Below Cal #	75
13) Pyrene	8.210	202	711	~~Below Cal~~	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

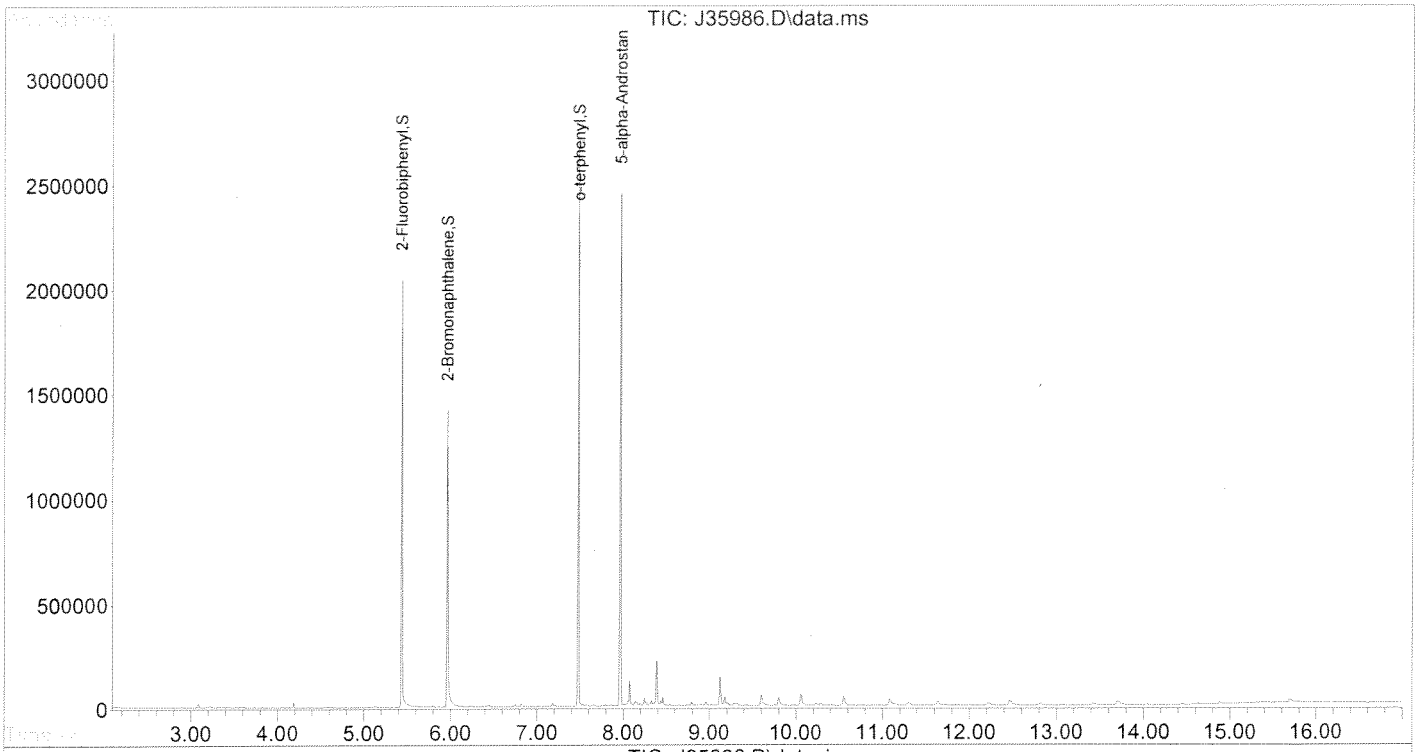
9/24/10

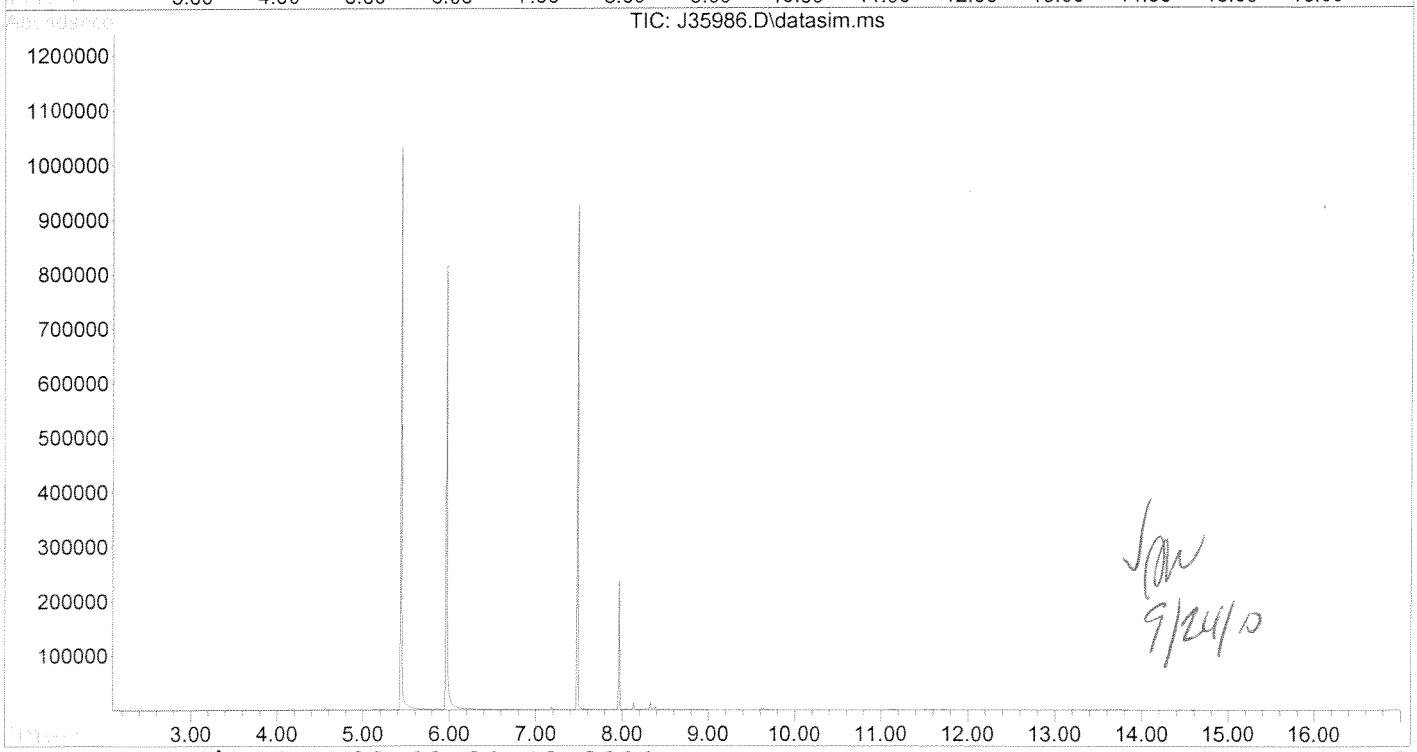
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35986.D
Acq On : 23 Sep 2010 1:55 am
Operator : AR/MG
Sample : 67835-6
Misc : SOIL,ARO
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Sep 23 02:20:42 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

J42310





JAN
9/24/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35986.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 1:55 am
Operator : AR/MG
Sample : 67835-6
Misc : SOIL,ARO
ALS Vial : 62 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:50 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	21961642	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	17586013	16.505 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	82.52%
10) S 2-Bromonaphthalene	5.964	13372719	16.088 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	80.44%
11) S o-terphenyl	7.481	20307644	15.222 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	76.11%
Target Compounds			
5) TZ Acenaphthene	5.964f	13372719	11.160 ug/ml
14) TZ Benzo[a]anthracene	9.601	945102	<MDL ug/ml
16) TZ Benzo[b] fluoranthene	11.086	1070842	1.014 ug/ml
18) TZ Benzo[a] pyrene	11.593	59761	<MDL ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.379	55768	<MDL ug/ml
20) TZ Dibenz [a,h] anthracene	13.421	257411	<MDL ug/ml
21) TZ Benzo(g,h,i) perylene	13.707	682578	<MDL ug/ml
22) XH c11-c22	12.565	48874836	45.140 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

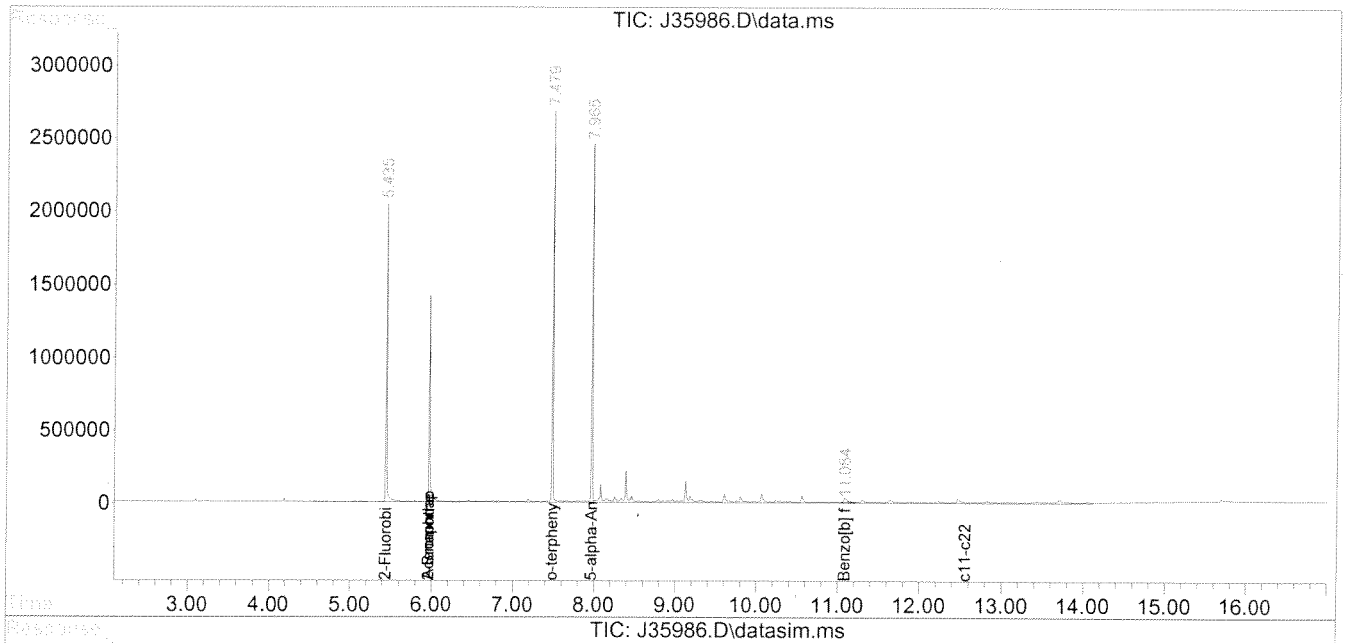
Quantitation Report (Not Reviewed)

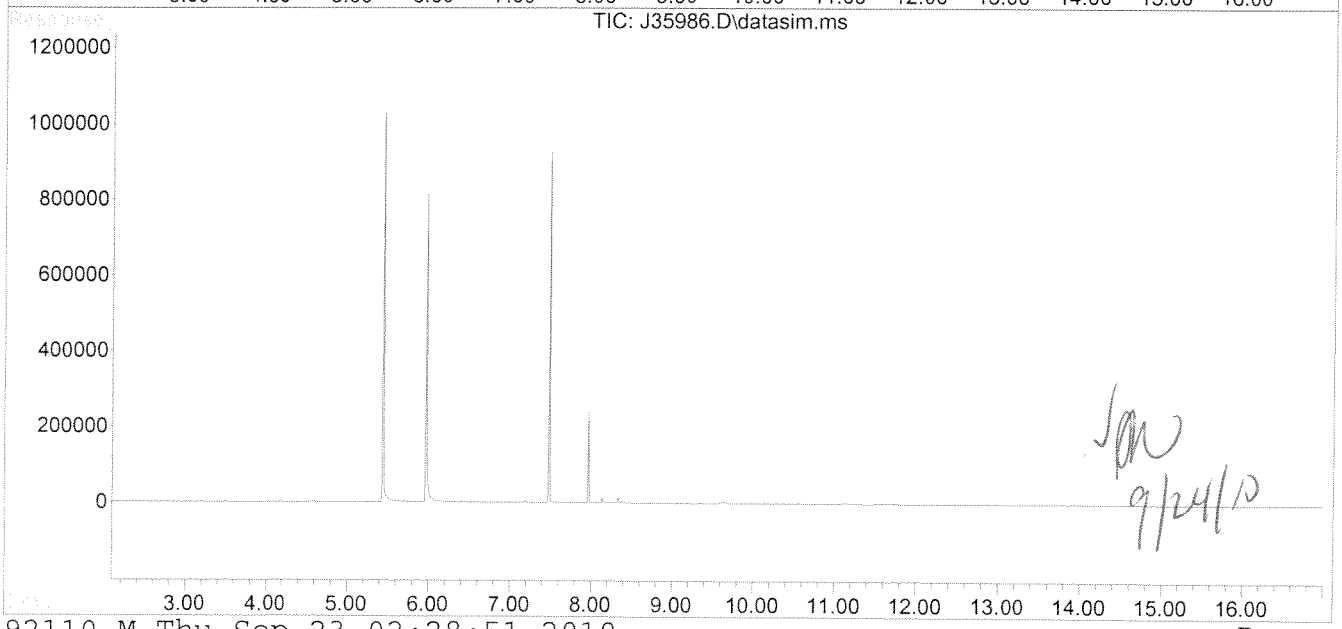
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35986.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 1:55 am
Operator : AR/MG
Sample : 67835-6
Misc : SOIL,ARO
ALS Vial : 62 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:50 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

JG23W

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JW 9/24/10

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71810.D
Acq On : 23 Sep 2010 4:30 am
Sample : 67835-6
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Vial: 59
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.77	5078440	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4524045	14.517 ug/ml
Spiked Amount 20.000	Range 40 - 140	Recovery =	72.58%
Target Compounds			
2) TZM C-9	4.01	6205	<MDL ug/ml
3) TZM C-10	5.02	28050	<MDL ug/ml
4) TZM C-12	6.46	20414	<MDL ug/ml
5) TZM C-14	7.69	23177	<MDL ug/ml
6) TZM C-16	8.69	17825	<MDL ug/ml
7) TZM C-18	9.61	24011	<MDL ug/ml
8) XH C9-C18	7.38	7080690	20.998 ug/ml
9) TZM C-19	10.01	24230	<MDL ug/ml
10) TZM C-20	10.46	13082	<MDL ug/ml
12) TZM C-22	11.46	43260	<MDL ug/ml
13) TZM C-24	12.68	193477	<MDL ug/ml
14) TZM C-26	14.15	327116	1.123 ug/ml
15) TZM C-28	15.68	247425	<MDL ug/ml
16) TZM C-30	17.18	138079	<MDL ug/ml
17) TZM C-36	21.24	36186	4.239 ug/ml
18) XH C19-C36	11.90	13344744	47.696 ug/ml

16.982/35.613

9/24/10

(f)=RT Delta > 1/2 Window (m)=manual int.

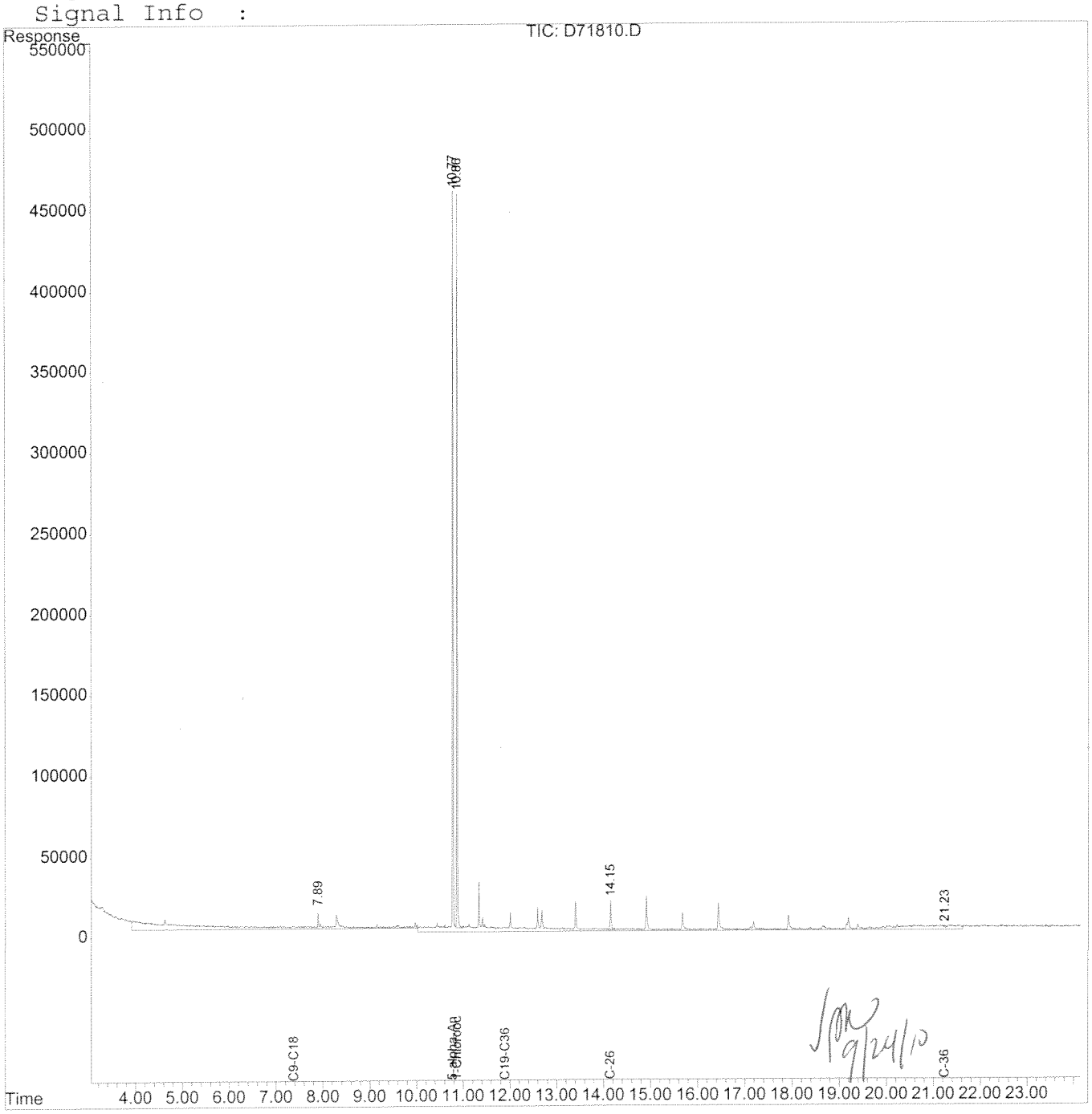
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71810.D
Acq On : 23 Sep 2010 4:30 am
Sample : 67835-6
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Vial: 59
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



EPH
QC FORMS

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835

SAMPLE ID	SMC 1 (%)	#
B092010EASE2	63	
L092010EASE2	64	
LD092010EASE2	66	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67834

SAMPLE ID	SMC 1 (%)	#
B092010EASE2,RR2	63	
67835-1	66	
67835-2	73	
67835-3	64	
67835-4	62	
67835-5	64	
67835-6	73	
67835-6,MS	69	
67835-6,MSD	69	

		Lower Limit	Upper Limit
SMC #1 =	1-Chlorooctadecane	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH AROMATIC
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67835

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
B092010EASE2	83		74		76	
L092010EASE2	81		73		79	
LD092010EASE2	84		83		81	
67835-1	80		76		75	
67835-2	83		72		75	
67835-3	89		79		77	
67835-4	92		79		74	
67835-5	72		68		66	
67835-6	81		74		73	
67835-6,MS	86		83		71	
67835-6,MSD	82		75		73	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorobiphenyl	40	140
SMC #2 =	2-Bromonaphthalene	40	140
SMC #3 =	o-terphenyl	40	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

EPH FORM 2

EPH ALIPHATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

592210

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B092010EASE2
Spike: L092010EASE2
Spike duplicate: LD092010EASE2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3333	3333	30	140	25	0	1882	56		1877	56		0	
C-10	3333	3333	40	140	25	0	2268	68		2223	67		2	
C-12	3333	3333	40	140	25	0	2447	73		2300	69		6	
C-14	3333	3333	40	140	25	0	2453	74		2459	74		0	
C-16	3333	3333	40	140	25	0	2518	76		2552	77		1	
C-18	3333	3333	40	140	25	0	2599	78		2571	77		1	
C-19	3333	3333	40	140	25	0	2620	79		2669	80		2	
C-20	3333	3333	40	140	25	0	2706	81		2625	79		3	
C-22	3333	3333	40	140	25	0	2606	78		2544	76		2	
C-24	3333	3333	40	140	25	0	2523	76		2441	73		3	
C-26	3333	3333	40	140	25	0	2289	69		2336	70		2	
C-28	3333	3333	40	140	25	0	2158	65		2163	65		0	
C-30	3333	3333	40	140	25	0	2171	65		2093	63		4	
C-36	3333	3333	40	140	25	0	2154	65		2029	61		6	
C9-C18 Aliphatics	20000	20000	40	140	25	0	14167	71		13982	70		1	
C19-C36 Aliphatics	26667	26667	40	140	25	0	19227	72		18899	71		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

9/22/10

EPH ALI FORM 3

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71770Q.D Vial: 31
Acq On : 22 Sep 2010 4:39 am Operator: AR
Sample : L092010EASE2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 8:53 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5378243	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4254430	12.890 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	64.45%
Target Compounds			
2) TZM C-9	4.01	4714629	14.117 ug/ml
3) TZM C-10	5.00	5808351	17.007 ug/ml
4) TZM C-12	6.48	6731812	18.354 ug/ml
5) TZM C-14	7.66	6920892	18.399 ug/ml
6) TZM C-16	8.68	6858187	18.887 ug/ml
7) TZM C-18	9.59	7039557	19.491 ug/ml
8) XH C9-C18	7.38	51160422	143.260 ug/ml
9) TZM C-19	10.02	7018919	19.647 ug/ml
10) TZM C-20	10.44	7105423	20.294 ug/ml
12) TZM C-22	11.42	6779379	19.546 ug/ml
13) TZM C-24	12.69	6300521	18.926 ug/ml
14) TZM C-26	14.16	5293751	17.168 ug/ml
15) TZM C-28	15.69	4378426	16.182 ug/ml
16) TZM C-30	17.20	3966581	16.283 ug/ml
17) TZM C-36	21.23	2466815	16.158 ug/ml
18) XH C19-C36	11.90	49278465	166.309 ug/ml

9/22/10

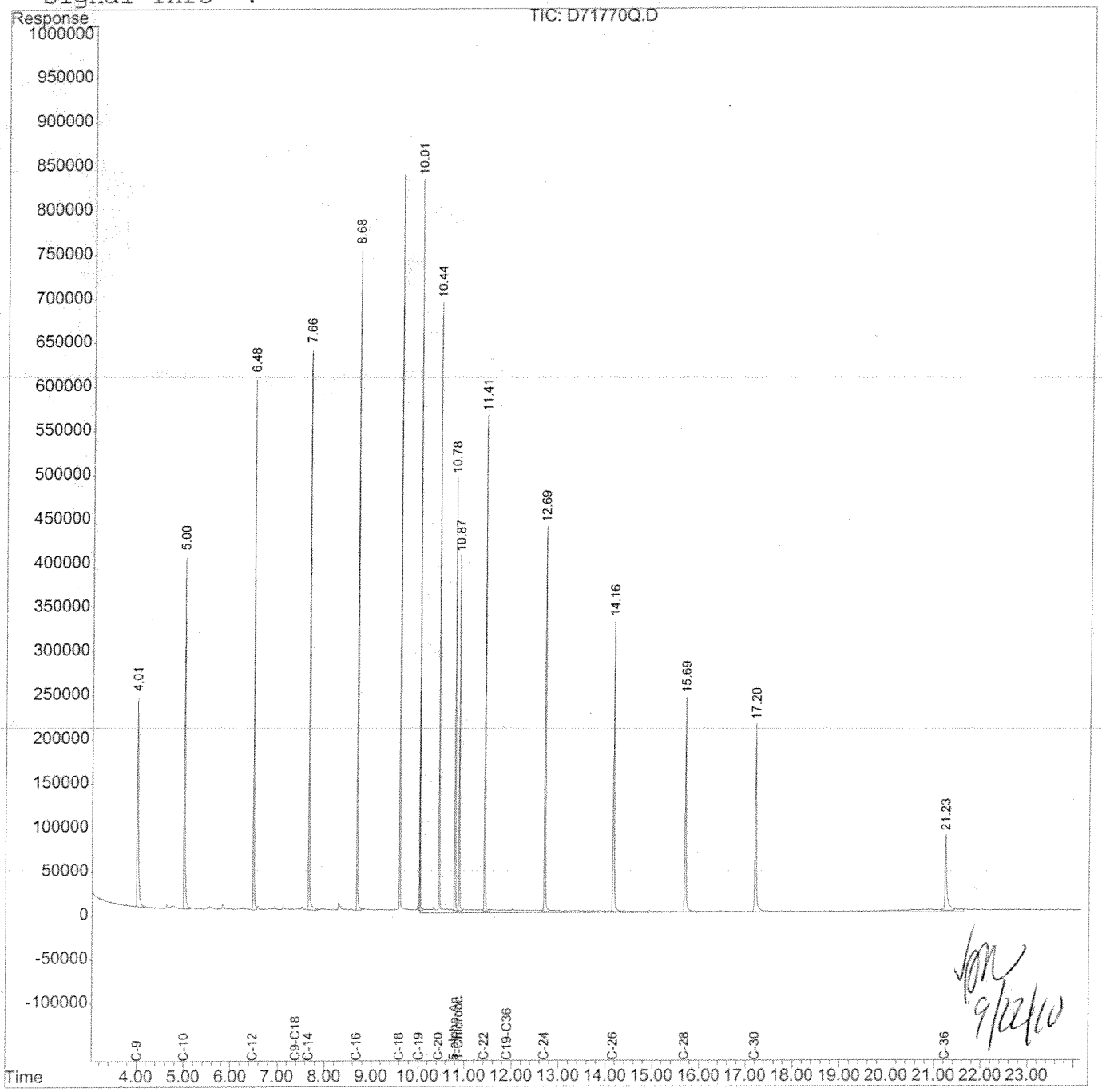
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71770Q.D Vial: 31
Acq On : 22 Sep 2010 4:39 am Operator: AR
Sample : L092010EASE2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 8:53 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71771Q.D Vial: 32
Acq On : 22 Sep 2010 5:10 am Operator: AR
Sample : LD092010EASE2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 8:53 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

S92210

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	5609741	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4524618	13.143 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	65.72% 66
Target Compounds			
2) TZM C-9	4.01	4904195	14.079 ug/ml
3) TZM C-10	5.00	5940060	16.675 ug/ml
4) TZM C-12	6.48	6598463	17.248 ug/ml
5) TZM C-14	7.66	7236045	18.443 ug/ml
6) TZM C-16	8.68	7249145	19.140 ug/ml
7) TZM C-18	9.59	7263326	19.281 ug/ml
8) XH C9-C18	7.38	50258617	134.927 ug/ml
9) TZM C-19	10.02	7460149	20.020 ug/ml
10) TZM C-20	10.44	7189632	19.688 ug/ml
12) TZM C-22	11.42	6901604	19.077 ug/ml
13) TZM C-24	12.69	6357000	18.307 ug/ml
14) TZM C-26	14.16	5633949	17.517 ug/ml
15) TZM C-28	15.69	4577514	16.219 ug/ml
16) TZM C-30	17.20	3988540	15.697 ug/ml
17) TZM C-36	21.23	2367558	15.214 ug/ml
18) XH C19-C36	11.90	49467049	160.056 ug/ml

JOW 9/22/10

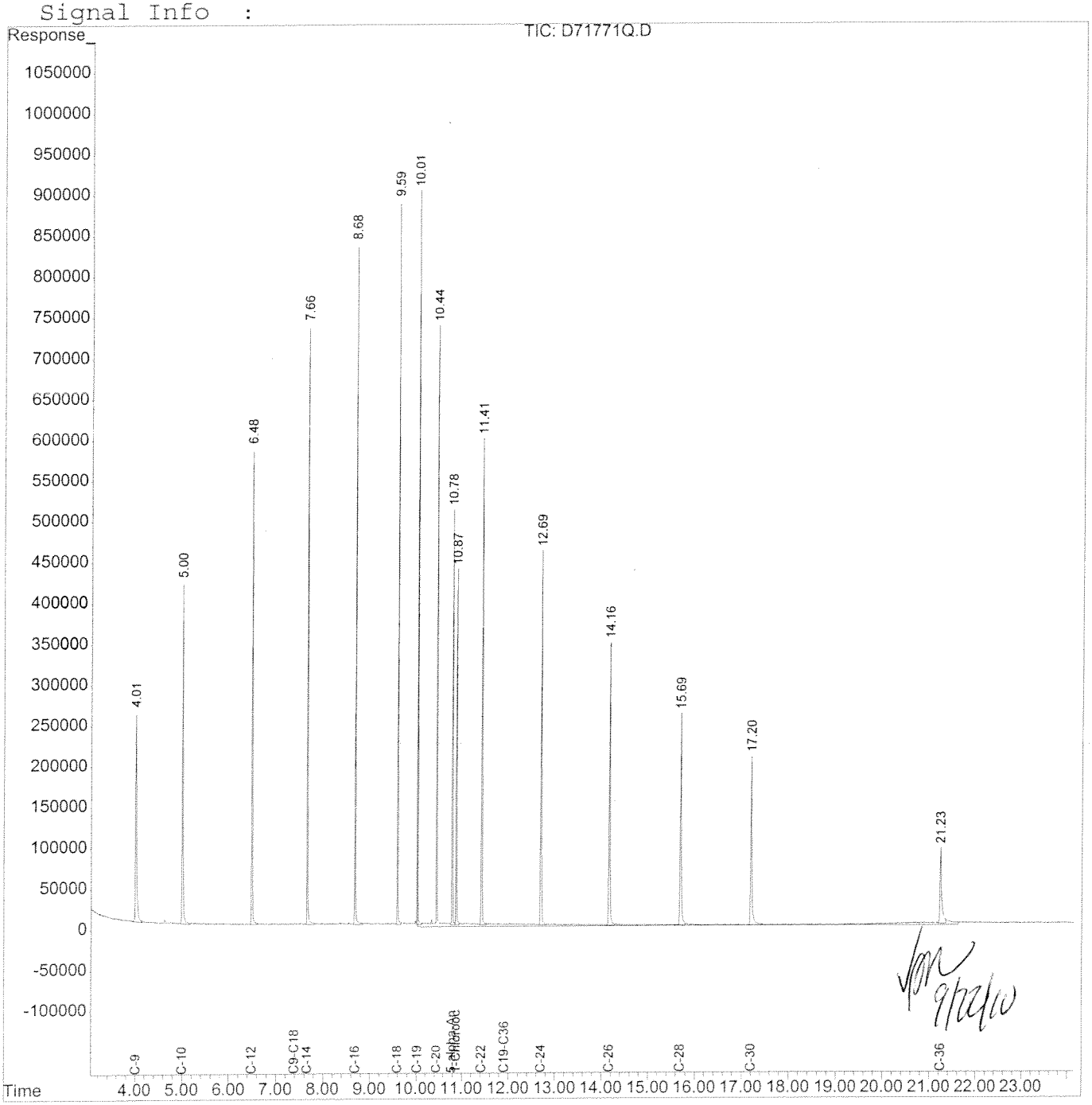
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71771Q.D Vial: 32
Acq On : 22 Sep 2010 5:10 am Operator: AR
Sample : LD092010EASE2 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 8:53 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

592220

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B092010EASE2
Spike: L092010EASE2
Spike duplicate: LD092010EASE2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3333	3333	40	140	30	0	2382	71		2451	74		3	
2-Methylnaphthalene	3333	3333	40	140	30	0	2561	77		2668	80		4	
Acenaphthylene	3333	3333	40	140	30	0	2672	80		2769	83		4	
Acenaphthene	3333	3333	40	140	30	0	2711	81		2756	83		2	
Fluorene	3333	3333	40	140	30	0	2900	87		2950	89		2	
Phenanthrene	3333	3333	40	140	30	0	2974	89		3042	91		2	
Anthracene	3333	3333	40	140	30	0	3109	93		3129	94		1	
Fluoranthene	3333	3333	40	140	30	0	3165	95		3251	98		3	
Pyrene	3333	3333	40	140	30	0	3073	92		3159	95		3	
Benzo[a]anthracene	3333	3333	40	140	30	0	2945	88		3002	90		2	
Chrysene	3333	3333	40	140	30	0	2982	89		3024	91		1	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	2912	87		2962	89		2	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	3033	91		3111	93		3	
Benzo[a] pyrene	3333	3333	40	140	30	0	3002	90		3045	91		1	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	2794	84		2927	88		5	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	2878	86		2956	89		3	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	2884	87		2966	89		3	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

9/23/10

EPH ARO FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35965Q.D
Acq On : 22 Sep 2010 5:52 pm
Operator : AR/MG
Sample : L092010EASE2
Misc : SOIL,ARO
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 22 18:55:26 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

L9220

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	83204	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	5.433	172	507528	16.13	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 80.65%			81
10) 2-Bromonaphthalene	5.961	206	210921	14.65	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 73.25%			73
11) o-terphenyl	7.480	230	398291	15.80	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 79.00%			79
Target Compounds						Qvalue
2) Naphthalene	4.555	128	702613	17.87	ug/ml	100
3) 2-Methylnaphthalene	5.131	141	414774	19.21	ug/ml	99
4) Acenaphthylene	5.849	152	838243	20.04	ug/ml	100
5) Acenaphthene	5.991	154	461100	20.33	ug/ml	99
6) Fluorene	6.406	166	624108	21.75	ug/ml	99
7) Phenanthrene	7.175	178	928506	22.31	ug/ml	100
8) Anthracene	7.217	178	956860	23.32	ug/ml	100
12) Fluoranthene	8.135	202	1060465	23.74	ug/ml	99
13) Pyrene	8.327	202	1087424	23.05	ug/ml	99
14) Benzo[a]anthracene	9.609	228	878618	22.09	ug/ml	98
15) Chrysene	9.656	228	870115	22.37	ug/ml	99
16) Benzo[b] fluoranthene	11.109	252	763080	21.84	ug/ml	99
17) Benzo[k] fluoranthene	11.157	252	787043	22.75	ug/ml	97
18) Benzo[a] pyrene	11.594	252	750000	22.52	ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.348	276	560523	20.95	ug/ml	98
20) Dibenz [a,h] anthracene	13.416	278	552465	21.58	ug/ml	99
21) Benzo(g,h,i) perylene	13.753	276	625748	21.63	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

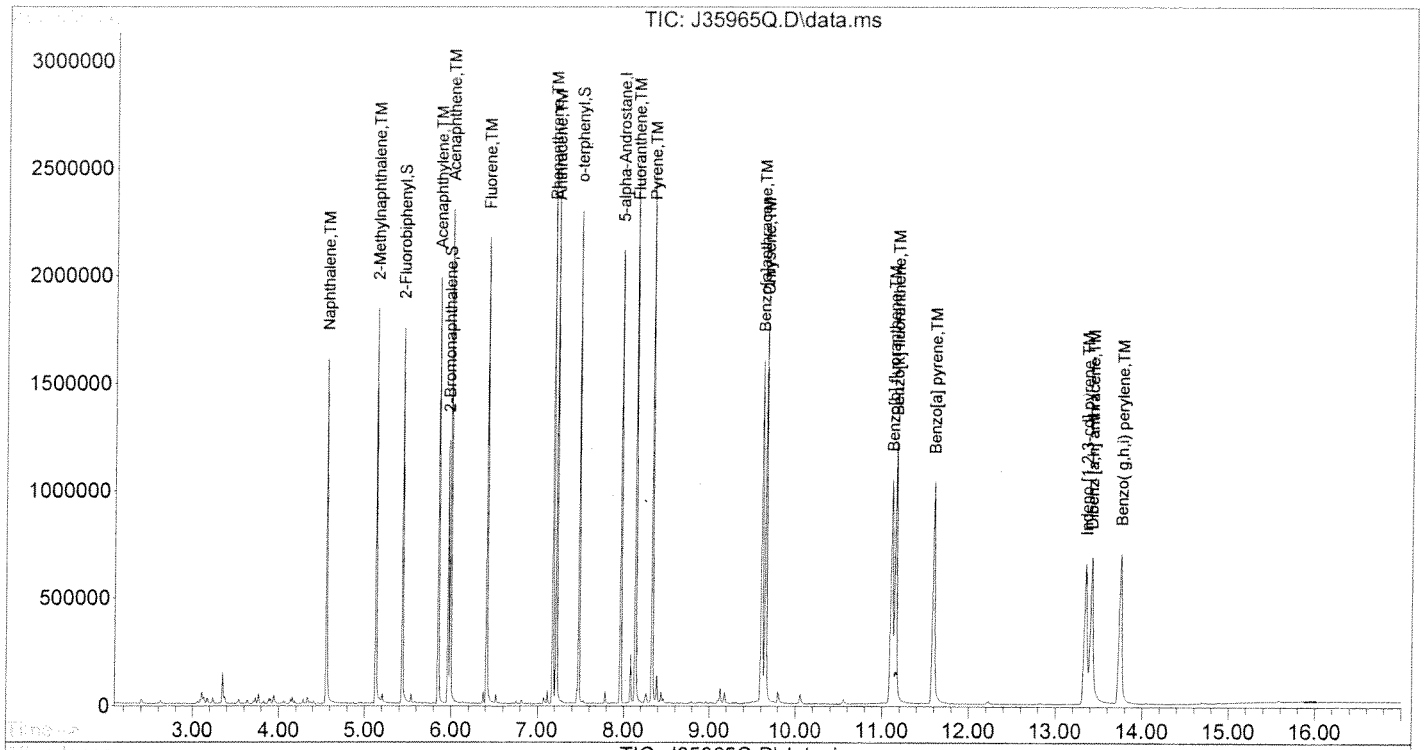
9/23/10

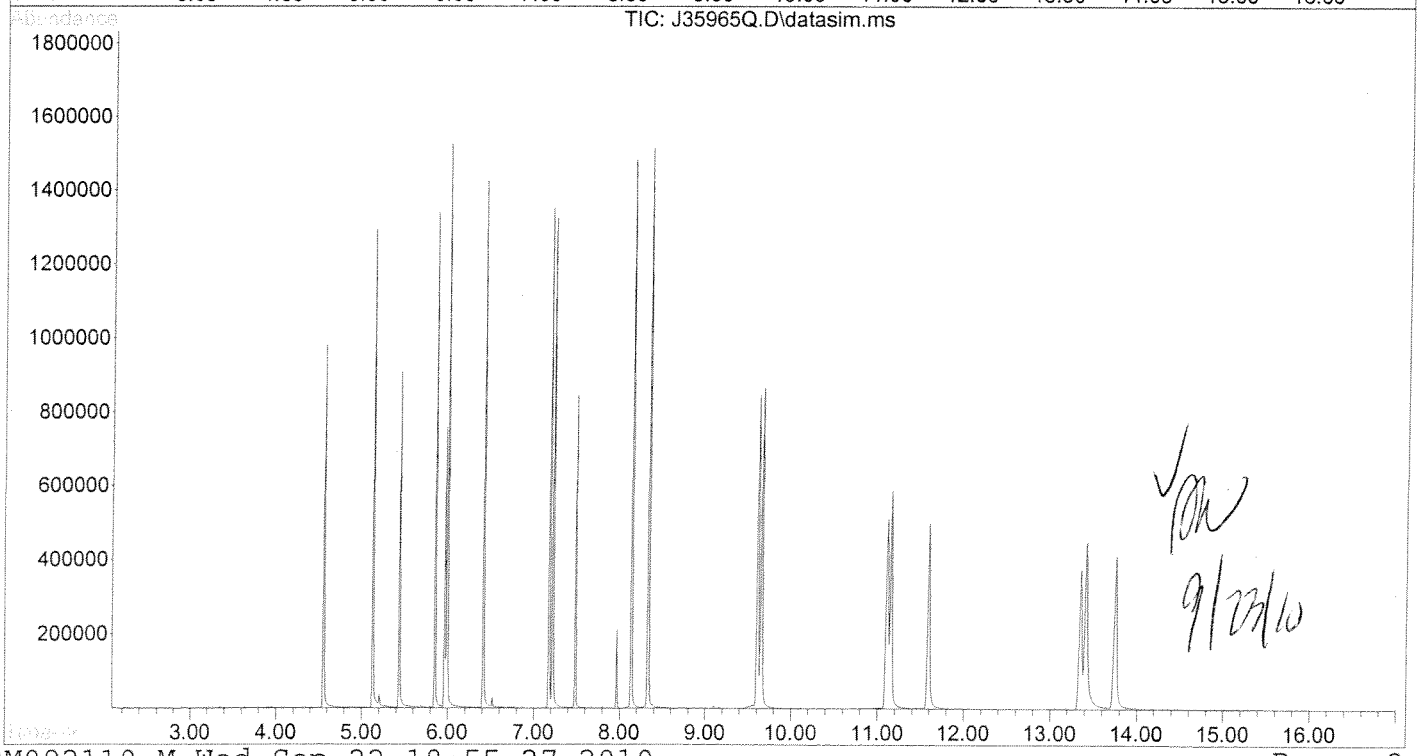
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35965Q.D
Acq On : 22 Sep 2010 5:52 pm
Operator : AR/MG
Sample : L092010EASE2
Misc : SOIL,ARO
ALS Vial : 41 Sample Multiplier: 1

J9220

Quant Time: Sep 22 18:55:26 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35966Q.D
Acq On : 22 Sep 2010 6:15 pm
Operator : AR/MG
Sample : LD092010EASE2
Misc : SOIL,ARO
ALS Vial : 42 Sample Multiplier: 1

9/22/10

Quant Time: Sep 22 18:55:28 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	82032	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	522778	16.85 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 84.25%		
10) 2-Bromonaphthalene	5.962	206	234484	16.52 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 82.60%		
11) o-terphenyl	7.480	230	401104	16.14 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 80.70%		
Target Compounds					Qvalue
2) Naphthalene	4.555	128	711229	18.39 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	424518	20.01 ug/ml	99
4) Acenaphthylene	5.849	152	853876	20.77 ug/ml	99
5) Acenaphthene	5.991	154	461387	20.67 ug/ml	98
6) Fluorene	6.406	166	624912	22.13 ug/ml	100
7) Phenanthrene	7.175	178	934344	22.82 ug/ml	100
8) Anthracene	7.217	178	948883	23.47 ug/ml	100
12) Fluoranthene	8.136	202	1070672	24.38 ug/ml	100
13) Pyrene	8.328	202	1099056	23.69 ug/ml	99
14) Benzo[a]anthracene	9.609	228	883062	22.51 ug/ml	98
15) Chrysene	9.656	228	869835	22.68 ug/ml	99
16) Benzo[b] fluoranthene	11.112	252	765270	22.21 ug/ml	99
17) Benzo[k] fluoranthene	11.153	252	795770	23.33 ug/ml	98
18) Benzo[a] pyrene	11.595	252	749935	22.84 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.352	276	578875	21.95 ug/ml	98
20) Dibenz [a,h] anthracene	13.416	278	559504	22.17 ug/ml	99
21) Benzo(g,h,i) perylene	13.753	276	634432	22.24 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

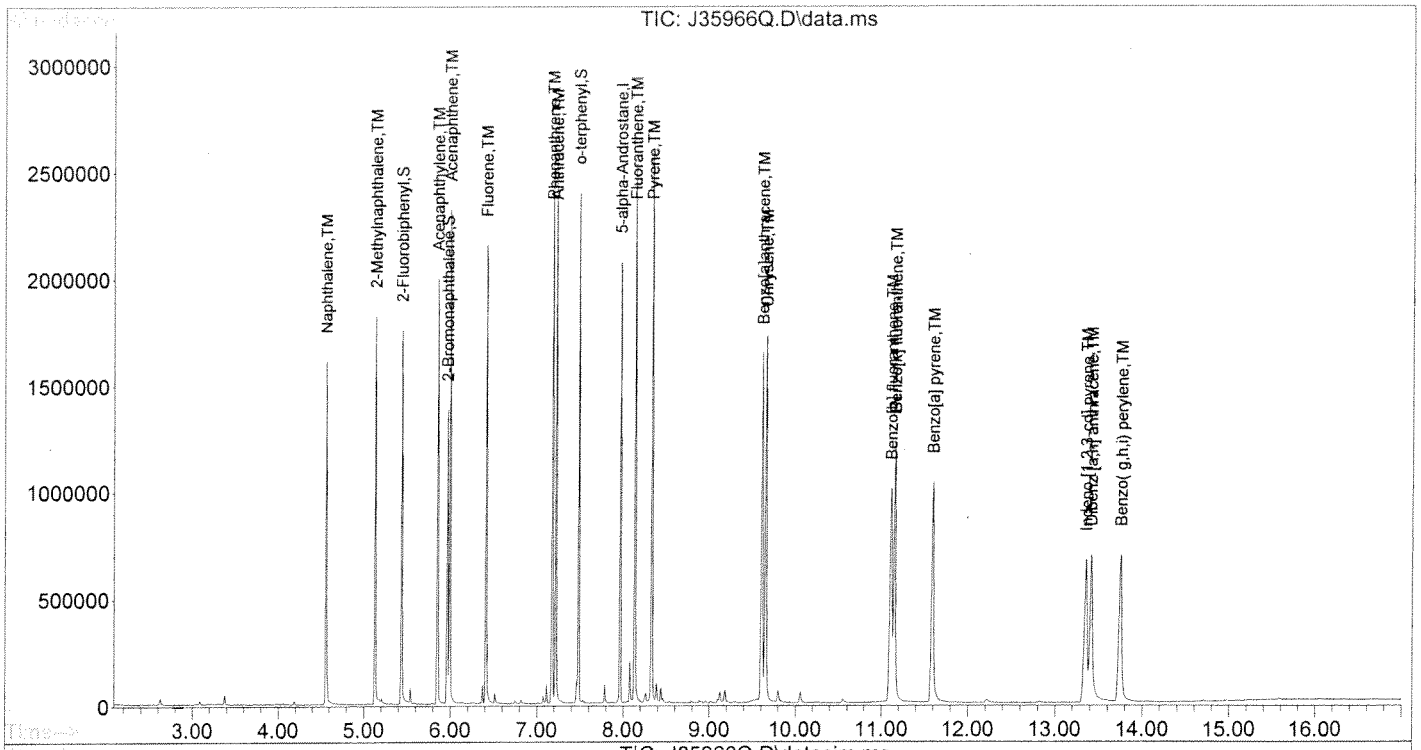
9/23/10

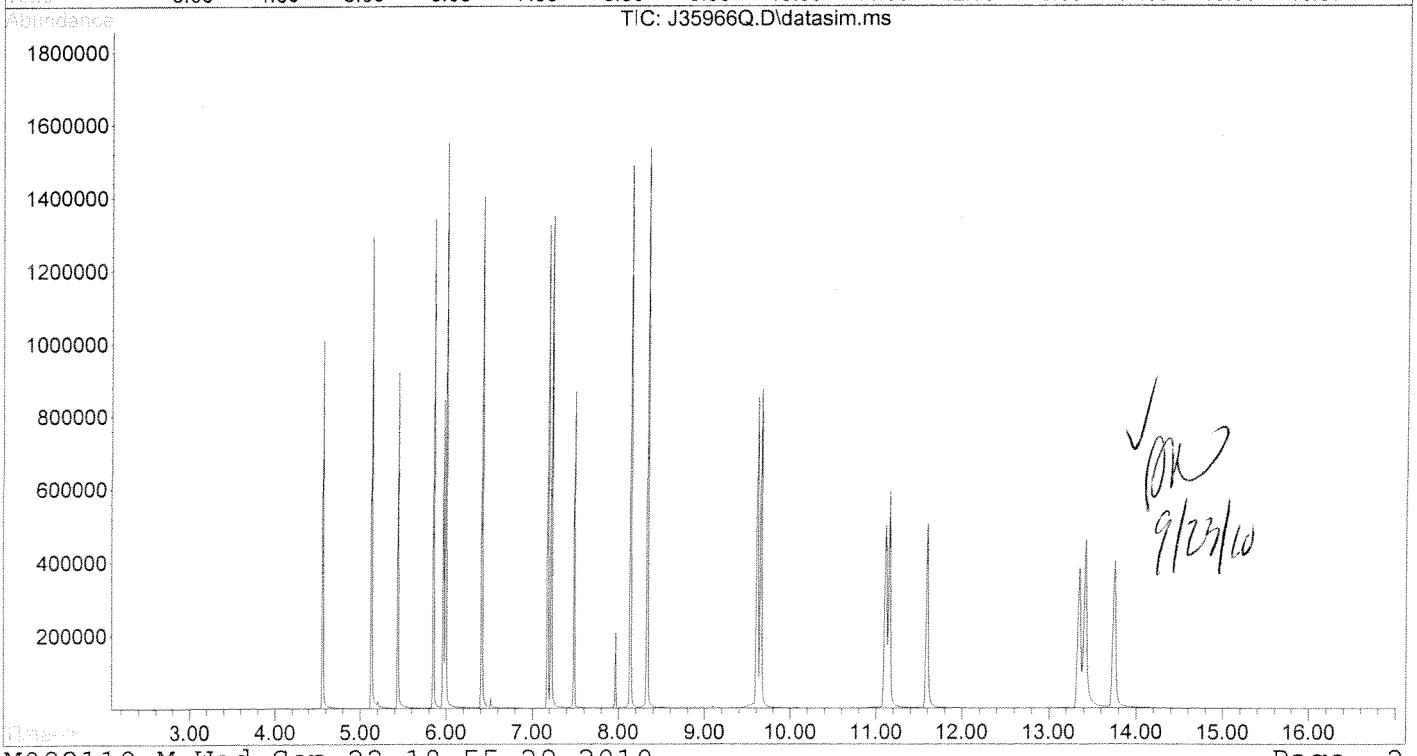
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35966Q.D
Acq On : 22 Sep 2010 6:15 pm
Operator : AR/MG
Sample : LD092010EASE2
Misc : SOIL,ARO
ALS Vial : 42 Sample Multiplier: 1

392210

Quant Time: Sep 22 18:55:28 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





OK 9/23/10

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

OK 9/23/10

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: L092010EASE2
Aromatic LCS: L092010EASE2

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	17.9	0.0	
2-Methylnaphthalene	0	5	0.00	19.2	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

_____

092310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35967Q.D
Acq On : 22 Sep 2010 6:38 pm
Operator : AR/MG
Sample : L092010EASE2
Misc : SOIL,ALI
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 23 02:19:56 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.966	95	98847	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	24	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
10) 2-Bromonaphthalene	5.962	206	26572	1.55 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 7.75%#	
11) o-terphenyl	7.479	230	87	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	

Target Compounds					Qvalue
2) Naphthalene	4.562	128	3883	Below Cal #	1
3) 2-Methylnaphthalene	5.131	141	1068	Below Cal #	78
4) Acenaphthylene	5.849	152	174	Below Cal #	18
5) Acenaphthene	5.992	154	49	Below Cal #	10
6) Fluorene	6.413	166	65	Below Cal #	94
7) Phenanthrene	7.174	178	103	Below Cal #	82
8) Anthracene	7.226	178	136	Below Cal #	74
12) Fluoranthene	8.139	202	112	Below Cal #	1
13) Pyrene	8.341	202	346	Below Cal #	67

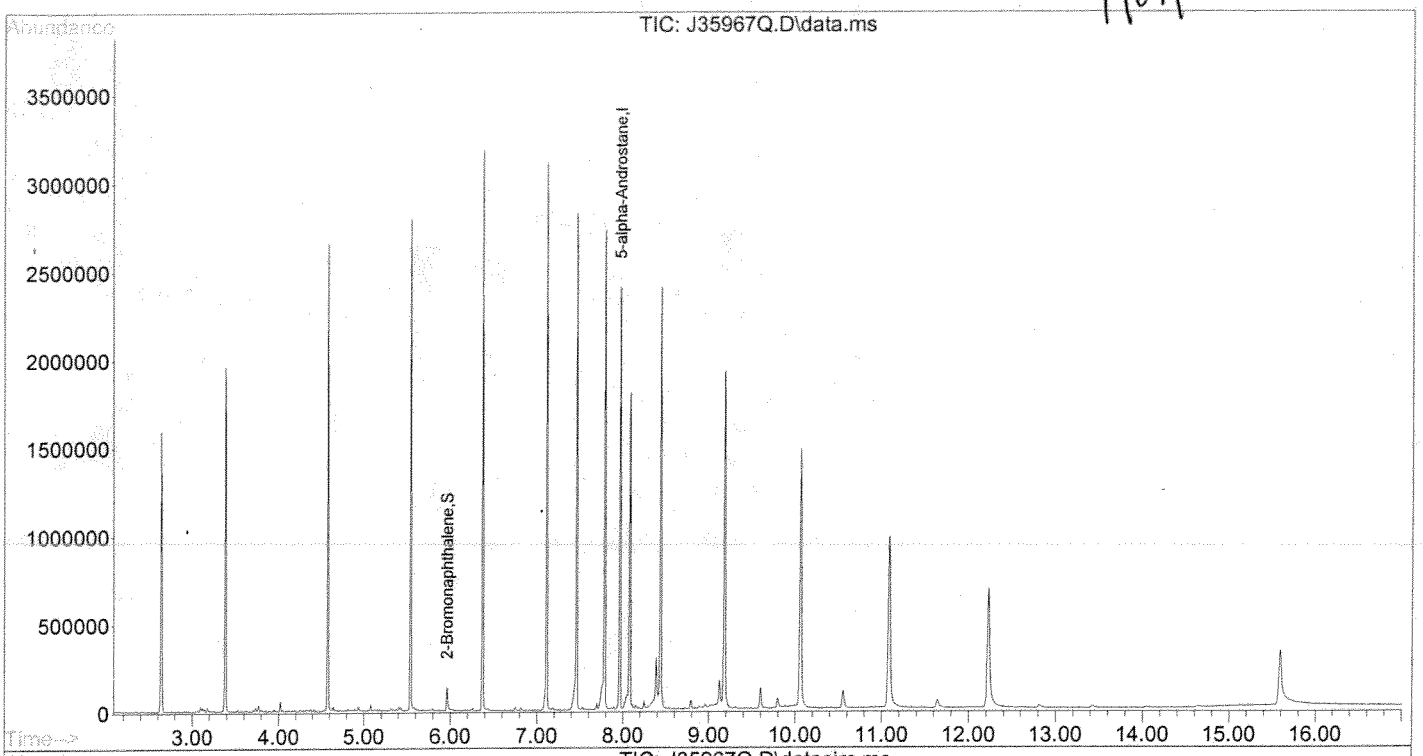
(#) = qualifier out of range (m) = manual integration (+) = signals summed

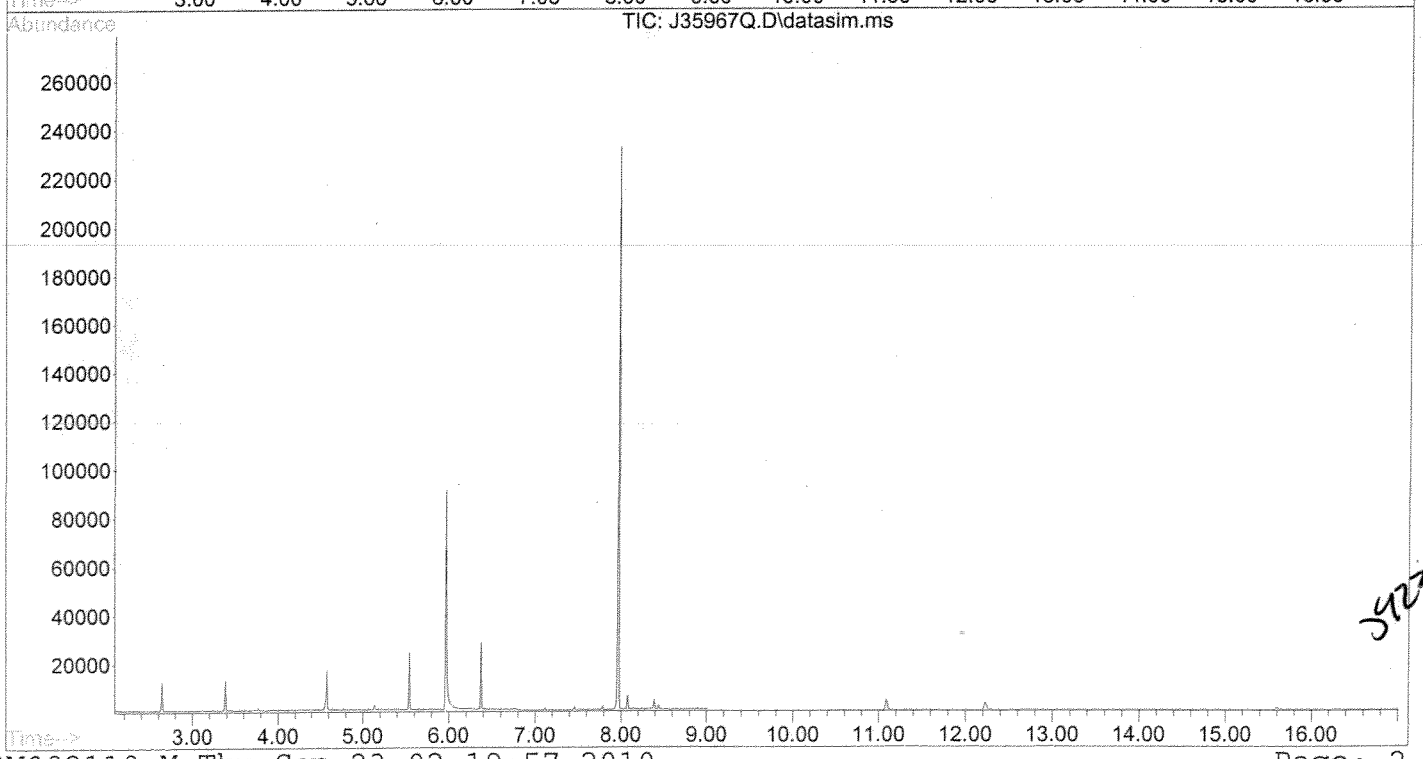
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35967Q.D
Acq On : 22 Sep 2010 6:38 pm
Operator : AR/MG
Sample : L092010EASE2
Misc : SOIL,ALI
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Sep 23 02:19:56 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

9/27/10





592340

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

9/23/10

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: LD092010EASE2
Aromatic LCS: LD092010EASE2

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	18.4	0.0	
2-Methylnaphthalene	0	5	0.00	20.0	0.0	

Column to be used to flag breakthrough values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

592340

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35968Q.D
Acq On : 22 Sep 2010 7:01 pm
Operator : AR/MG
Sample : LD092010EASE2
Misc : SOIL,ALI
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 23 02:19:59 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

MJ 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.966	95	99457	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	27	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
10) 2-Bromonaphthalene	5.968	206	5050	0.29 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 1.45%#	
11) o-terphenyl	7.484	230	13	0.00 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 0.00%#	
Target Compounds					Qvalue
2) Naphthalene	4.562	128	2669	Below Cal	# 1
3) 2-Methylnaphthalene	5.131	141	82	Below Cal	# 1
4) Acenaphthylene	5.843	152	52	Below Cal	# 1
5) Acenaphthene	5.997	154	63	Below Cal	# 65
6) Fluorene	6.425	166	184	Below Cal	# 61
7) Phenanthrene	7.184	178	162	Below Cal	# 69
8) Anthracene	7.212	178	119	Below Cal	# 1
12) Fluoranthene	8.167	202	102	Below Cal	# 1
13) Pyrene	8.331	202	251	Below Cal	# 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

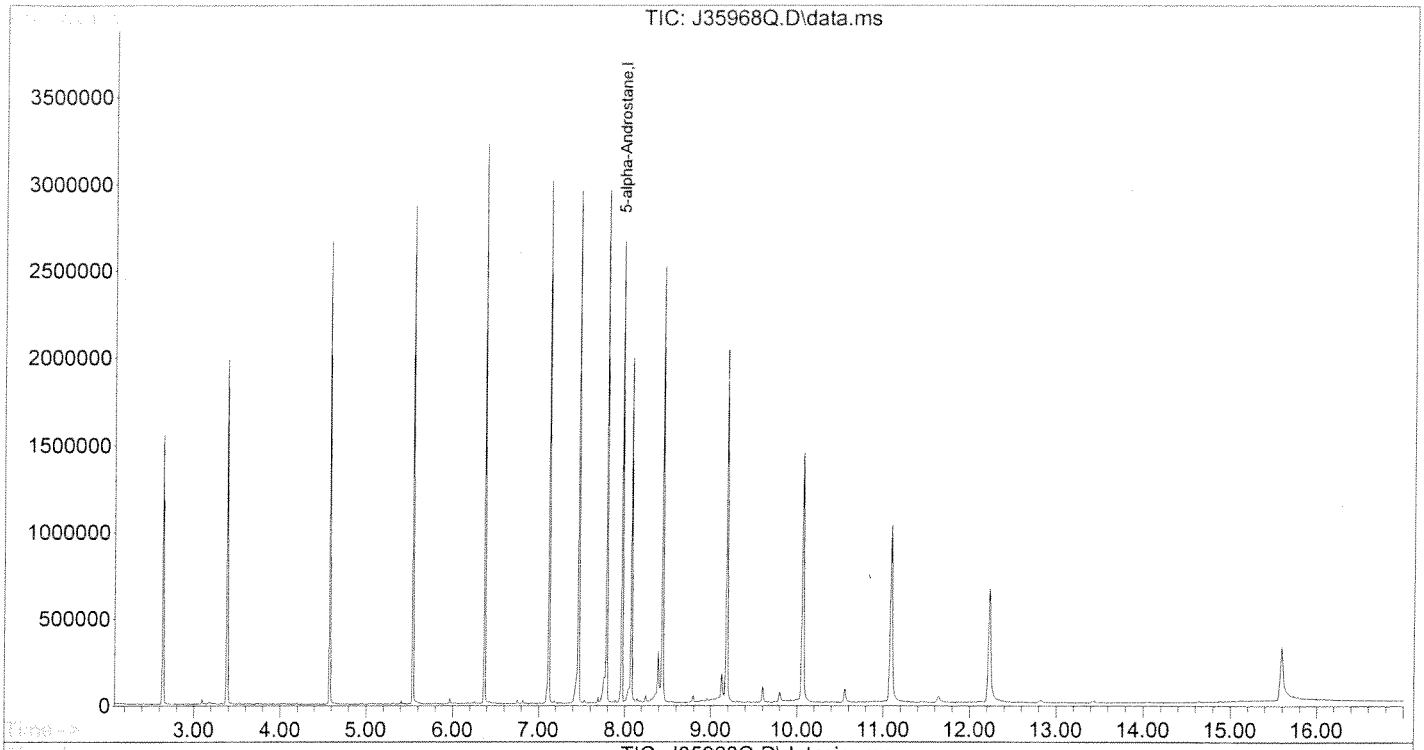
092360

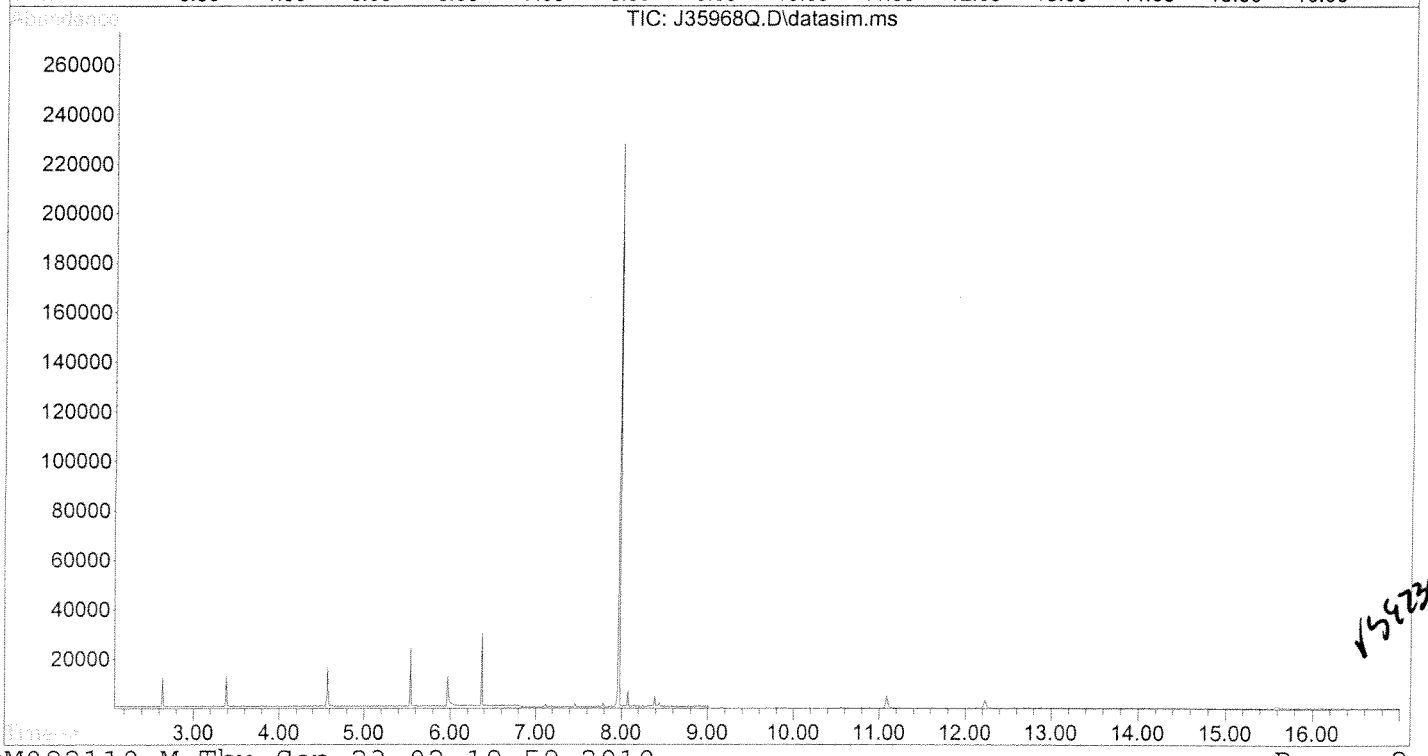
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35968Q.D
Acq On : 22 Sep 2010 7:01 pm
Operator : AR/MG
Sample : LD092010EASE2
Misc : SOIL,ALI
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 23 02:19:59 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

MC 9/23/10





154230

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

PN 9/23/10

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67835-6
Spike: 67835-6,MS
Spike duplicate: 67835-6,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	3461	3512	40	140	50	0	2512	73		2275	65		10	
2-Methylnaphthalene	3461	3512	40	140	50	0	2719	79		2498	71		8	
Acenaphthylene	3461	3512	40	140	50	0	2740	79		2599	74		5	
Acenaphthene	3461	3512	40	140	50	0	2719	79		2649	75		3	
Fluorene	3461	3512	40	140	50	0	2899	84		2871	82		1	
Phenanthrene	3461	3512	40	140	50	0	2949	85		2957	84		0	
Anthracene	3461	3512	40	140	50	0	3048	88		3079	88		1	
Fluoranthene	3461	3512	40	140	50	0	3162	91		3151	90		0	
Pyrene	3461	3512	40	140	50	0	3076	89		3093	88		1	
Benzo[a]anthracene	3461	3512	40	140	50	0	2864	83		2857	81		0	
Chrysene	3461	3512	40	140	50	0	2910	84		2932	83		1	
Benzo[b] fluoranthene	3461	3512	40	140	50	0	2853	82		2892	82		1	
Benzo[k] fluoranthene	3461	3512	40	140	50	0	2883	83		2921	83		1	
Benzo[a] pyrene	3461	3512	40	140	50	0	2855	82		2908	83		2	
Indeno [1,2,3-cd] pyrene	3461	3512	40	140	50	0	2679	77		2773	79		3	
Dibenz [a,h] anthracene	3461	3512	40	140	50	0	2768	80		2783	79		1	
Benzo(g,h,i) perylene	3461	3512	40	140	50	0	2787	81		2851	81		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

592320

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67835-6	SOIL,ARO	2.0	15.63	0.01563	0.9191	1	139.2221
67835-6,MS	SOIL,ARO	2.0	15.72	0.01572	0.9191	1	138.4250
67835-6,MSD	SOIL,ARO	2.0	15.49	0.01549	0.9191	1	140.4804

9/23/10

592310

EPH ARO FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35987.D
Acq On : 23 Sep 2010 2:18 am
Operator : AR/MG
Sample : 67835-6,MS
Misc : SOIL,ARO
ALS Vial : 63 Sample Multiplier: 1

Quant Time: Sep 23 04:01:19 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

AM 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	83950	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	544393	17.14 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 85.70%		
10) 2-Bromonaphthalene	5.962	206	241354	16.62 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 83.10%		
11) o-terphenyl	7.480	230	362768	14.27 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 71.35%		

Target Compounds					Qvalue
2) Naphthalene	4.555	128	719266	18.15 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	427164	19.64 ug/ml	99
4) Acenaphthylene	5.849	152	836152	19.79 ug/ml	100
5) Acenaphthene	5.991	154	450789	19.64 ug/ml	99
6) Fluorene	6.407	166	608429	20.94 ug/ml	100
7) Phenanthrene	7.175	178	898678	21.30 ug/ml	99
8) Anthracene	7.218	178	917162	22.02 ug/ml	100
12) Fluoranthene	8.136	202	1034064	22.85 ug/ml	99
13) Pyrene	8.328	202	1061748	22.22 ug/ml	99
14) Benzo[a]anthracene	9.606	228	830553	20.69 ug/ml	99
15) Chrysene	9.653	228	825133	21.02 ug/ml	100
16) Benzo[b] fluoranthene	11.109	252	726657	20.61 ug/ml	99
17) Benzo[k] fluoranthene	11.153	252	726962	20.83 ug/ml	97
18) Benzo[a] pyrene	11.591	252	693131	20.62 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.349	276	522426	19.36 ug/ml	98
20) Dibenz [a,h] anthracene	13.408	278	516503	20.00 ug/ml	100
21) Benzo(g,h,i) perylene	13.749	276	587714	20.13 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

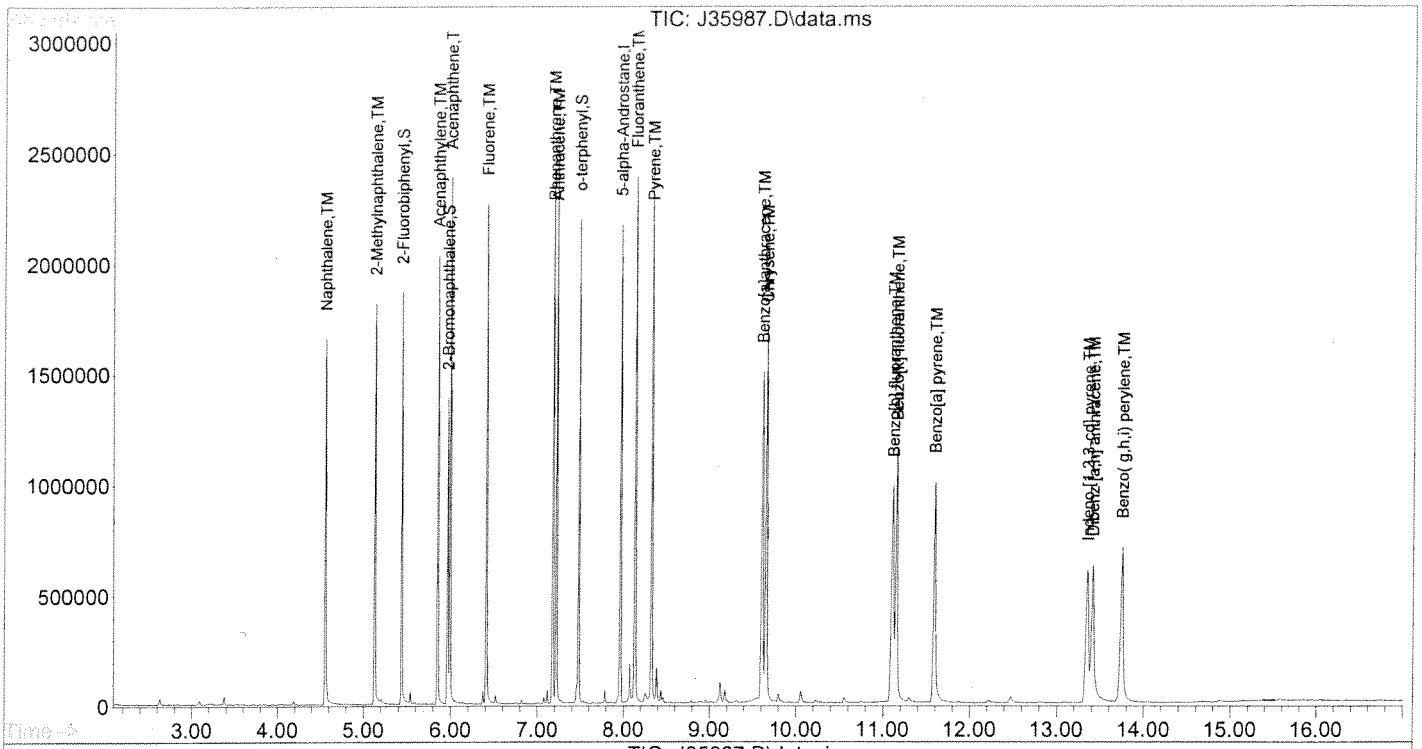
092310

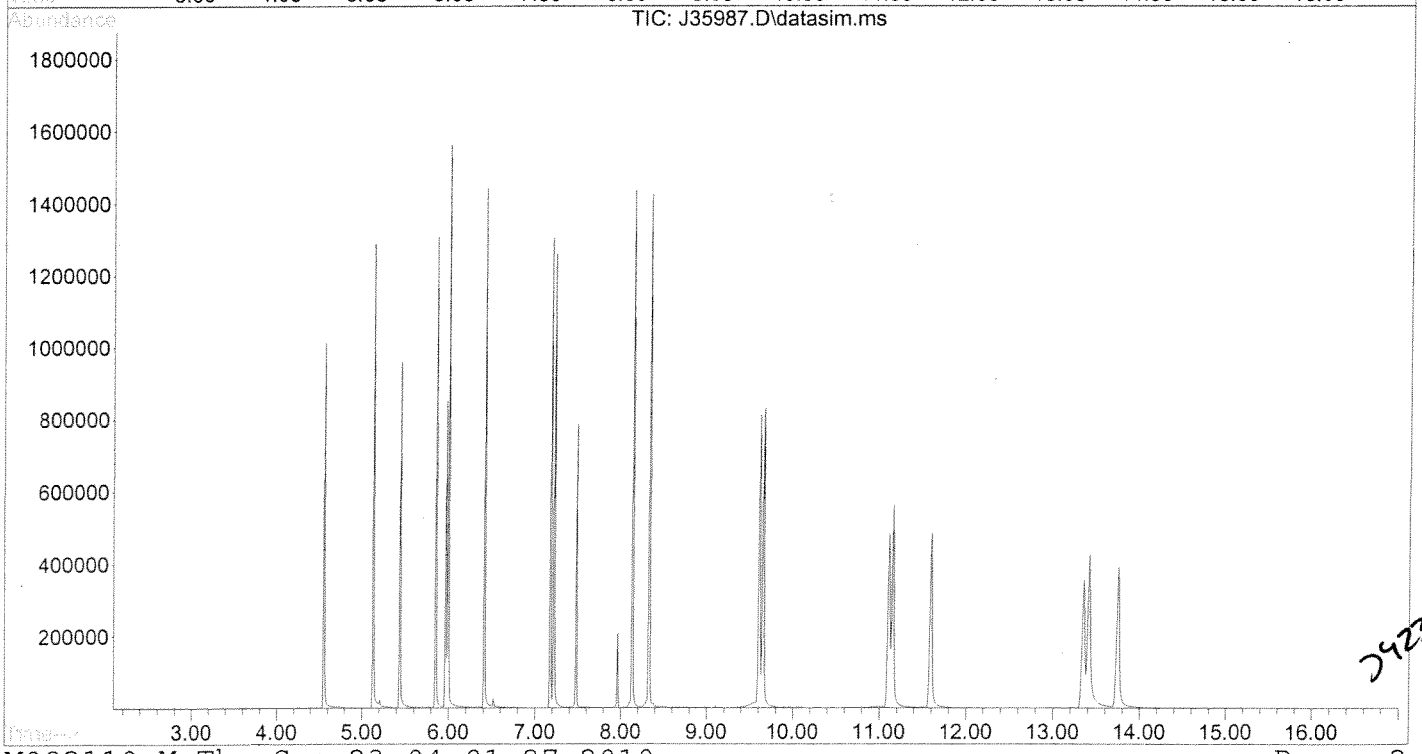
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35987.D
Acq On : 23 Sep 2010 2:18 am
Operator : AR/MG
Sample : 67835-6,MS
Misc : SOIL,ARO
ALS Vial : 63 Sample Multiplier: 1

Quant Time: Sep 23 04:01:19 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

9/23/10





092310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35988.D
Acq On : 23 Sep 2010 2:41 am
Operator : AR/MG
Sample : 67835-6,MSD
Misc : SOIL,ARO
ALS Vial : 64 Sample Multiplier: 1

Quant Time: Sep 23 04:01:31 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	81672	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	5.433	172	505027	16.35	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 81.75%			
10) 2-Bromonaphthalene	5.961	206	210662	14.91	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 74.55%			
11) o-terphenyl	7.480	230	358719	14.50	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 72.50%			
Target Compounds						Qvalue
2) Naphthalene	4.555	128	629876	16.20	ug/ml	100
3) 2-Methylnaphthalene	5.131	141	379581	17.78	ug/ml	99
4) Acenaphthylene	5.849	152	764748	18.50	ug/ml	100
5) Acenaphthene	5.991	154	422603	18.86	ug/ml	100
6) Fluorene	6.406	166	578903	20.43	ug/ml	99
7) Phenanthrene	7.175	178	864865	21.05	ug/ml	99
8) Anthracene	7.217	178	888633	21.92	ug/ml	100
12) Fluoranthene	8.135	202	989665	22.43	ug/ml	100
13) Pyrene	8.328	202	1024217	22.01	ug/ml	100
14) Benzo[a]anthracene	9.609	228	794201	20.34	ug/ml	98
15) Chrysene	9.653	228	796970	20.87	ug/ml	100
16) Benzo[b] fluoranthene	11.105	252	706066	20.59	ug/ml	98
17) Benzo[k] fluoranthene	11.153	252	706100	20.79	ug/ml	98
18) Benzo[a] pyrene	11.591	252	676797	20.70	ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.348	276	518394	19.74	ug/ml	98
20) Dibenz [a,h] anthracene	13.412	278	497715	19.81	ug/ml	100
21) Benzo(g,h,i) perylene	13.749	276	576413	20.30	ug/ml	99

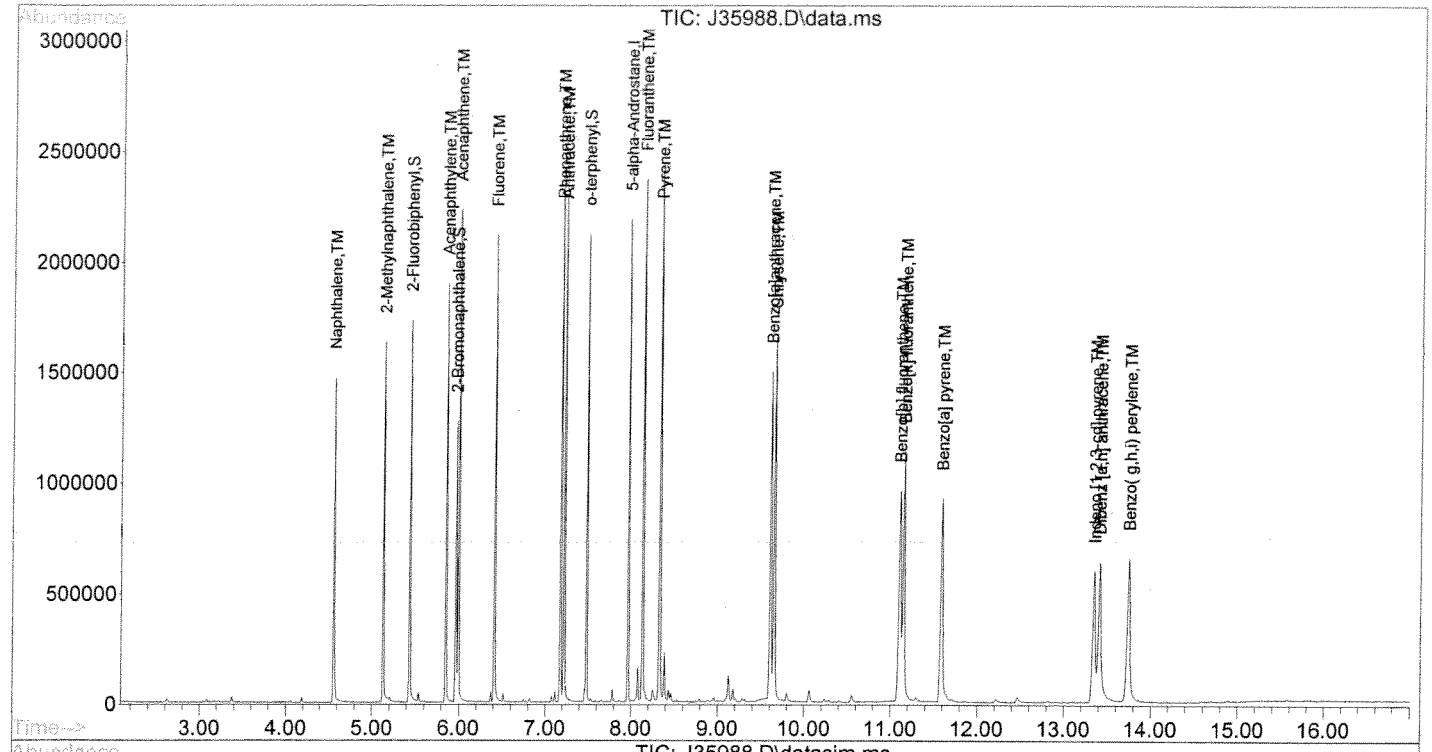
(#) = qualifier out of range (m) = manual integration (+) = signals summed

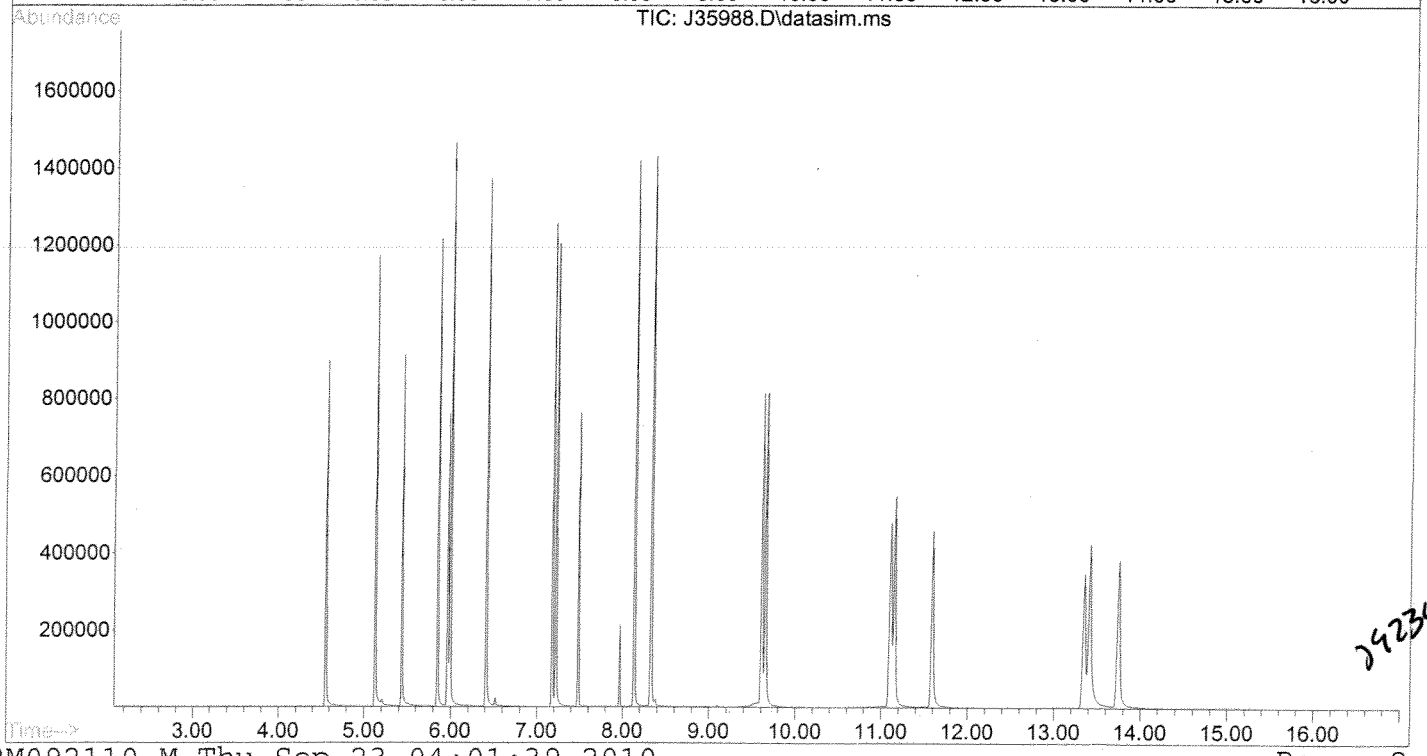
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35988.D
Acq On : 23 Sep 2010 2:41 am
Operator : AR/MG
Sample : 67835-6,MSD
Misc : SOIL,ARO
ALS Vial : 64 Sample Multiplier: 1

Quant Time: Sep 23 04:01:31 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

AM 9/23/10





292360

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

54-2310

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67835-6
Spike: 67835-6,MS
Spike duplicate: 67835-6,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
C-9	3461	3512	30	140	50	0	2088	60		1976	56		6	
C-10	3461	3512	40	140	50	0	2460	71		2281	65		8	
C-12	3461	3512	40	140	50	0	2583	75		2560	73		1	
C-14	3461	3512	40	140	50	0	2699	78		2596	74		4	
C-16	3461	3512	40	140	50	0	2913	84		2689	77		8	
C-18	3461	3512	40	140	50	0	3013	87		2755	78		9	
C-19	3461	3512	40	140	50	0	2892	84		2819	80		3	
C-20	3461	3512	40	140	50	0	3006	87		2864	82		5	
C-22	3461	3512	40	140	50	0	2953	85		2706	77		9	
C-24	3461	3512	40	140	50	0	2924	85		2650	75		10	
C-26	3461	3512	40	140	50	0	2809	81		2822	80		0	
C-28	3461	3512	40	140	50	0	2601	75		2771	79		6	
C-30	3461	3512	40	140	50	0	2481	72		2733	78		10	
C-36	3461	3512	40	140	50	0	2537	73		2541	72		0	
C9-C18 Aliphatics	20764	21072	40	140	50	0	15757	76		14857	71		6	
C19-C36 Aliphatics	27685	28096	40	140	50	0	22204	80		21907	78		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

9/23/10

EPH ALI FORM 3

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

59230

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67835-6	SOIL,ALI	2.0	15.63	0.01563	0.9191	1	139.2221
67835-6,MS	SOIL,ALI	2.0	15.72	0.01572	0.9191	1	138.4250
67835-6,MSD	SOIL,ALI	2.0	15.49	0.01549	0.9191	1	140.4804

JON
9/23/10

EPH ALI FORM 3

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71811SP.D
Acq On : 23 Sep 2010 5:00 am
Sample : 67835-6,MS
Misc : SOIL,ALI
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Vial: 60
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

SY 23W

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.77	4914298	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4190116	13.894 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	69.47%
Target Compounds			
2) TZM C-9	4.00	4601918	15.081 ug/ml
3) TZM C-10	4.99	5545914	17.772 ug/ml
4) TZM C-12	6.48	6254734	18.664 ug/ml
5) TZM C-14	7.65	6702191	19.499 ug/ml
6) TZM C-16	8.67	6981744	21.043 ug/ml
7) TZM C-18	9.59	7184159	21.769 ug/ml
8) XH C9-C18	7.38	50997581	156.285 ug/ml
9) TZM C-19	10.01	6820436	20.894 ug/ml
10) TZM C-20	10.44	6946431	21.713 ug/ml
12) TZM C-22	11.41	6761494	21.335 ug/ml
13) TZM C-24	12.68	6426103	21.125 ug/ml
14) TZM C-26	14.15	5717369	20.292 ug/ml
15) TZM C-28	15.68	4646409	18.793 ug/ml
16) TZM C-30	17.19	3989854	17.924 ug/ml
17) TZM C-36	21.22	2670004	18.325 ug/ml
18) XH C19-C36	11.90	49908404	184.336 ug/ml

9/23/10

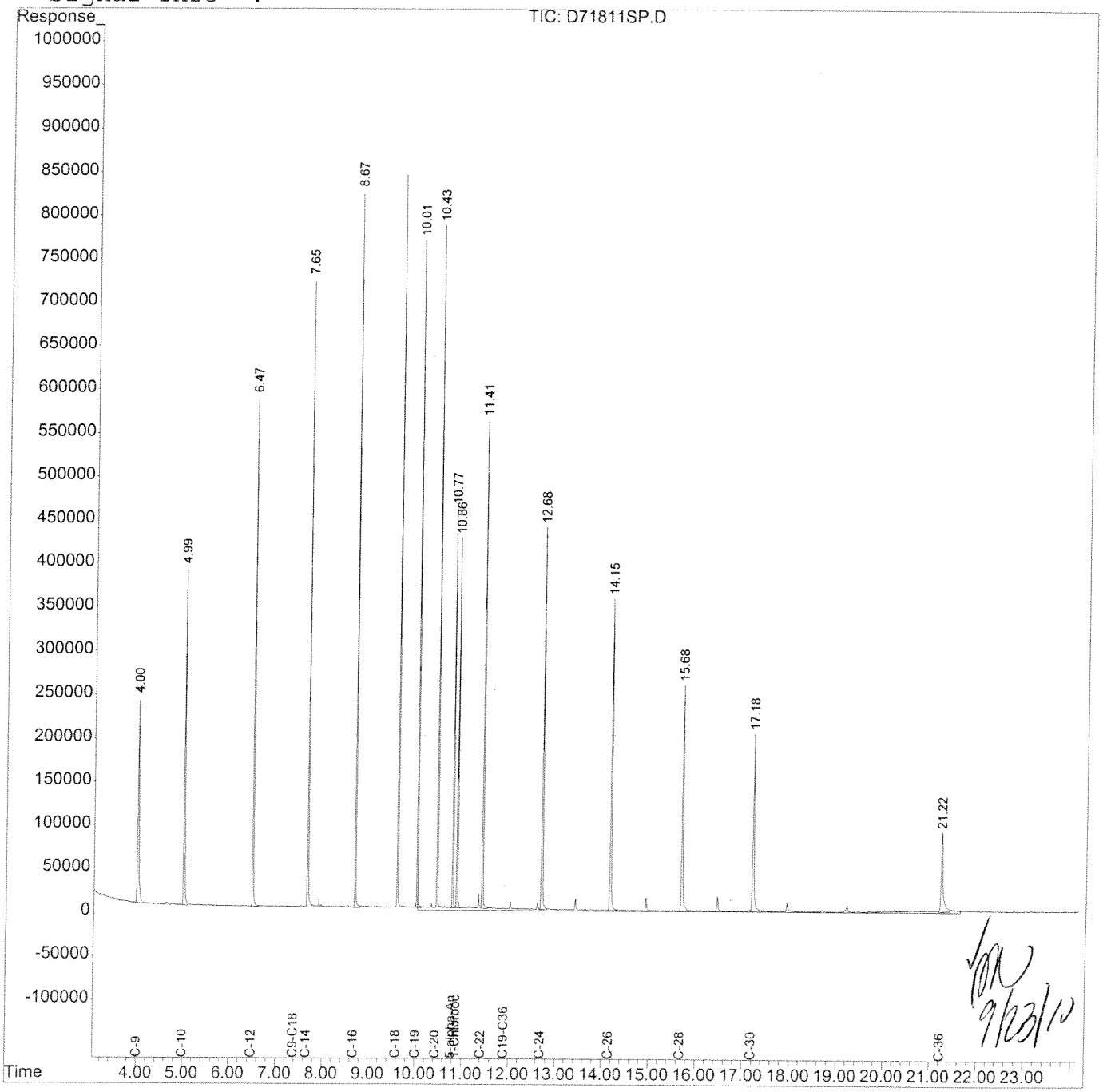
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71811SP.D Vial: 60
Acq On : 23 Sep 2010 5:00 am Operator: AR
Sample : 67835-6,MS Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71812SP.D Vial: 61
Acq On : 23 Sep 2010 5:30 am Operator: AR
Sample : 67835-6,MSD Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.77	5216639	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	4436707	13.859 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	69.30%
Target Compounds			
2) TZM C-9	4.00	4555818	14.064 ug/ml
3) TZM C-10	4.99	5378988	16.238 ug/ml
4) TZM C-12	6.48	6483594	18.225 ug/ml
5) TZM C-14	7.65	6742566	18.480 ug/ml
6) TZM C-16	8.67	6741166	19.140 ug/ml
7) TZM C-18	9.59	6870959	19.614 ug/ml
8) XH C9-C18	7.38	50524869	145.863 ug/ml
9) TZM C-19	10.01	6954465	20.070 ug/ml
10) TZM C-20	10.44	6923831	20.388 ug/ml
12) TZM C-22	11.41	6479794	19.261 ug/ml
13) TZM C-24	12.68	6092184	18.867 ug/ml
14) TZM C-26	14.15	6008225	20.089 ug/ml
15) TZM C-28	15.68	5176906	19.725 ug/ml
16) TZM C-30	17.19	4597045	19.455 ug/ml
17) TZM C-36	21.22	2785660	18.088 ug/ml
18) XH C19-C36	11.90	50451476	175.542 ug/ml

9/03/10

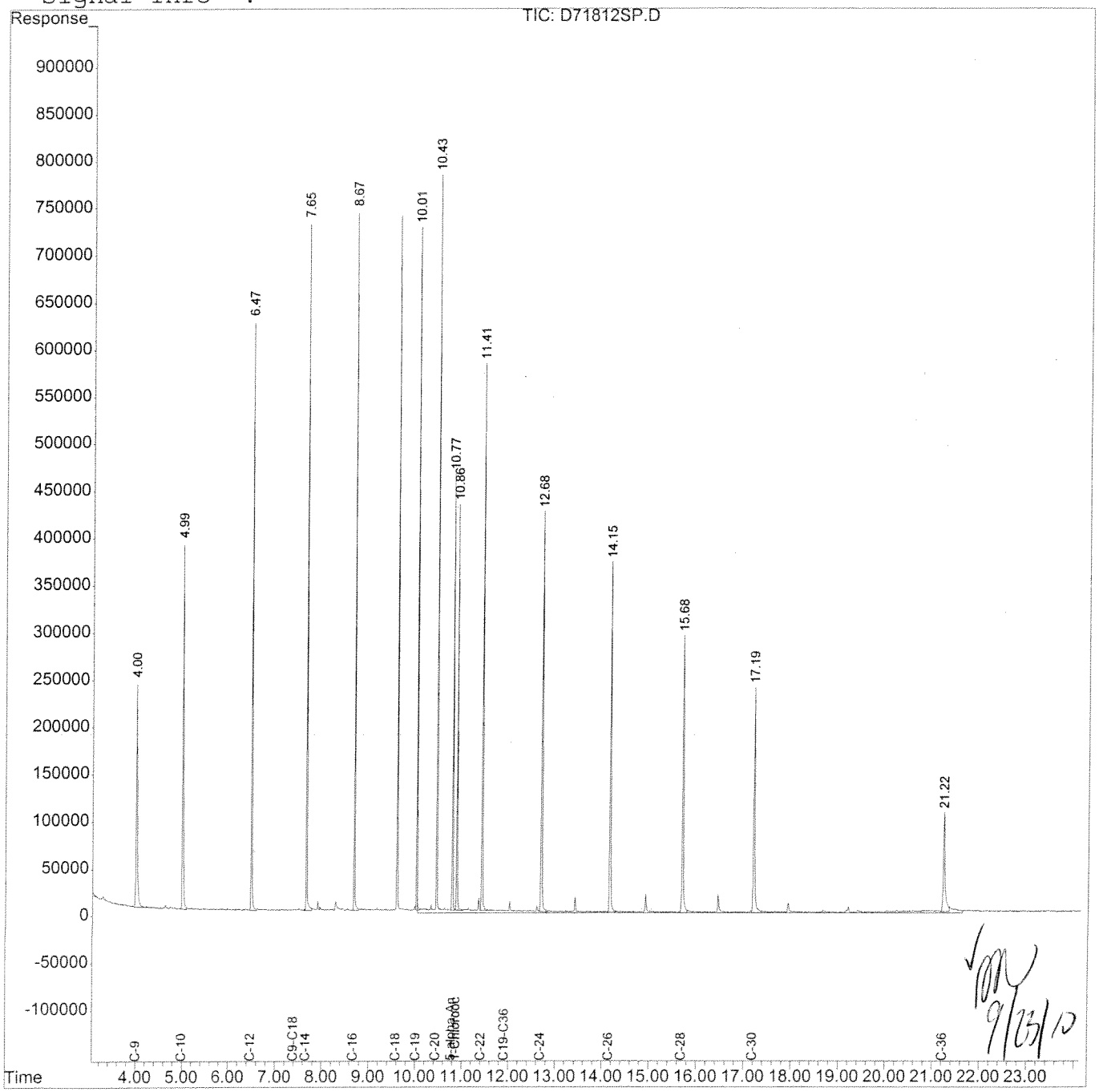
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71812SP.D Vial: 61
Acq On : 23 Sep 2010 5:30 am Operator: AR
Sample : 67835-6,MSD Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Instrument D

analytics environmental laboratory LLC

Seq. ID: 080410-D

IS only#: EPH S9770 ~~S9770~~ AW 8/4/10

EXP: 1/30/11

Tune File: ABU.u

Date: 8/4/10

Loading Check: AW

Voltage: 1965

Analyst: AR/NP

Unloading Check: NP

filament 2

Vial	Meth File	Sample	DF	Data File #	Comments
1	tunemix	S9836 tunemix	50ng	D71435T-45T	adjust u tune
1	tunemix	S9836 tunemix	50ng	46T	✓
2	ALG80410	S9700 Ali 5		47SI	✓
3		S9701 Ali 10		48	✓
4		S9702 Ali 20		49	✓
5		S9936 Ali 40		50	✓
6		S9704 Ali 50		51	✓
7		S9705 Ali 100		52	✓
8		S9715 Ali 20 ICV		53	✓
9	ARM80410	S9706 ARO 2		54SI	✓
10		S9707 ARO 5		55	✓
11		S9708 ARO 10		56	✓
12		S9937 ARO 20		57	✓
13		S9710 ARO 50		58	✓
14		S9711 ARO 100		59	✓
15		S9716 ARO 20 ICV		60	✓ ARO80510 ~~Shl not used~~ OK
~~15~~		~~S9716 ARO 20 ICV~~		61	AW 8/6/10 Not standard
1	tunemix	S9836 tunemix			
5	ALG80410	S9936 Ali 40			
12	ARM80410	S9937 ARO 20			
16		Hexane w/IS			
15		S9716 ARO 20 ICV			
15		S9716 ARO 20 ICV			

AW 8/6/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: _____

Instrument D

analytics environmental laboratory LLC

EPH S10081 x 3/13/11

Seq. ID 092110-D IS only#: EXP:

Tune File: ABN.u Date: 9/21/10 Loading Check: AUR

Voltage: 1965 Analyst: AUR Unloading Check:

W-D-092110-1-AUR

Vial	Meth File	Sample	DF	Data File #	Comments
100		MeCl2		D71764	
1	Tunemix	S9836 tunemix 50ng		65T	✓ 2:09
2	ALS80410	S10042 ALI 40		66SC	✓
4		Hexane w IS		67	✓
15		~~B0902~~ B092010EASE, RR		68B	✓
30		B092010EASE2		69B	✓
31		~~L092010EASE~~ 2		70Q	✓
32		LD092010EASE2		71Q	✓
33		67833-11		72	✓
34		-12		73	✓
35		-13		74	✓
36		-14		75	✓
37		-15		76	✓
38		-16		77	✓
39		67807 -1		78	✓
40		-2		79	✓ RR 5X
~~41~~ 42		~~67807 -3~~		~~80~~	✓ ↓SJ ~~RR 5X~~
2		S10042 ALI 40 (5X)		81SC	✓
2		S10042 ALI 40		82SC	✓
		S9836 tunemix 50ng		83T	✓
2		S10042 ALI 40		84SC	✓
4		Hexane w IS		85	✓
31		B092010EASE2, RR		86B	✓
41		67807-3 RR		86C	confirms ↓SJ
42		67834-1		87	✓
~~43~~		-2		88	✓
~~44~~		-3		89	✓
~~45~~		-4		90	✓
~~47~~ 46		-5		91	RR10X C9-C18
~~48~~ 47		-6		92	RR10X C4-C8
~~49~~ 48		-15		93	✓
~~50~~ 49		-15 pm		94	✓
~~51~~ 50		-15 mid		95	✓
~~52~~ 51		-16		96	✓
~~53~~ 52		-17		97	✓
~~54~~ 53		-18		98	✓

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uL sample +990 uL solvent

Hexane Lot: 1005313

Methylene Chloride Lot:

— see above RR2X recalculated

Instrument D

analytics environmental laboratory LLC

Cont.

Seq. ID 092110-D

EPH

IS only#: S10081 EXP: 3/13/11

Tune File: ABU.u

Date: 9/21/10 Loading Check: AUK

Voltage: 1965

Analyst: AUK/MG Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
39	AUG80410	67807-1, RR		D71798	Confirms
2		S10042 MLI40		D71799SC	✓
2		↓		D71800SC	✓
1	tunemix	S9836tunemix50ng		01T	✓
2	AUG80410	S10042 ALI40		02SC	✓
4		Hexane w/IS		03	✓
30		B092010EA4E2, RR2		04B	✓
54		67835-1		05	✓
55		-2		06	✓
56		-3		07	✓
57		-4		08	✓
58		-5		09	✓
59		-6		10	✓
60		-6, MS		11SP	✓
61		-6, MSD		12SP	✓
62		67834-5	10	13	✓
63		-6	10	14	✓
2		S10042 ALI40		*15SC	✓
2		S10042 ALI40		16SC	✓
64		67807-2	2	Rerun before 15 15 *	✓ 1:50 ml + 2:00 ml Hexane

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot: 1005313

Methylene Chloride Lot:

Instrument J

analytics environmental laboratory LLC

092110-J EPH IS

IS only#: 510122 EXP: 3·21·2011

Tune File: ABN.U Date: 9·21·10 Loading Check: AHR

Voltage: 1953 Analyst: AR/MJ Unloading Check: MJ

Vial	Meth File	Sample	DF	Data File #	Comments
100		MeCl2		J35914	
1	TUNEMIXEPH	59836 TUNE 50 ng		915T	✓
2		510041 ARO 20		916 SC	Reject
2		↓		917SC	↓
100	ARMSIM92110.M	MeCl2		918	
2	ARM092110.M	59714 ARO 0.1		919SI	✓
3	ARG092110.M	59713 0.2		920 SI	✓
4		59712 1.0		921 SI	✓
5		59706 2		922SI	✓
6		59707 5		923SI	✓
7		59708 10		924 SI	✓
8		510041 20		925SI	✓
9		59710 50		926SI	✓
10		59711 100		927SI	✓
11		59716 ARO 20 ICV		928	✓
12		59717 ARO 2 ICV		929	✓
1	TUNEMIXEPH	59836 TUNE 50		930T	✓
8	ARM092110.M	510041 ARO 20		931SC	✓
13	ARG092110.M	Hexane w IS		932	✓
14		B092010EBSE ARO		33B	✓
15		L092010EBSE		34Q	✓
16		LD092010EBSE		35Q	✓
17		L092010EBSE	ARI	36Q	✓
18		LD092010EBSE	ARI	37Q	✓
19		67833-1 ARO		38	✓
20		-2		39	✓
21		-3		40	✓
22		-4		41	✓
23		-5		42	✓
24		-6		43	✓
25		-6MS		44SP	✓
26		-6MSD		45SP	✓
27		67833-7		46	✓
28		-8		47	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uL sample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 3 11/25/09

[7]

Instrument J

Analytics environmental laboratory LLC

092110-J Cont. EPH FS

IS only#: S10122 EXP: 3-21-2011

Tune File: ABN.U Date: 92110 cont Loading Check:

Voltage: 1953 Analyst: ALR/mg Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
29	ARM092110.M	67833-9 ARO		J35948	✓
30	ARG092110.M	-10		49	✓
31		-11		50	✓
32		-12		51	✓
33		-13		52	✓
34		-14		53	✓
35		-15		54	✓
36		-16		55	✓
37		67807 -1		56	↓SUR RR Rex?
38		-2		57	RR2X
39		-3		58	✓
8		S10041 ARO 20		59SC	✓
8				60SC	✓
1	tunemix	59836 TUNESD		61T	✓
8	ARM092110	S10041 ARO 20		62SC	✓
13	ARG092110	Hexane WIS		63	✓
40		B092010BASE2	ARO	64B	✓
41		L092010BASE2		65Q	✓
42		LD092010BASE2		66Q	✓
43		L092010BASE2	ARI	67Q	✓
44		LD092010BASE2		68Q	✓
45		67834-1	ARO	69	✓
46		-2		70	✓
47		-3		71	✓
48		-4		72	✓
49		-5		73	✓
50		-6		74	✓
51		-15		75	✓
52		-15MS		76SP	✓
53		-15MSD		77SP	✓
54		-16		78	✓
55		-17		79	✓
56		-18		80	✓
57		67835-1		81	✓

1621

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Cont. Pg - 58

ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 3 11/25/09

[81]

Instrument J

analytics environmental laboratory LLC

EPH

Cont. 092110-J

IS only#: 510122 EXP: 3/21/11

Tune File: ARU.U Date: 9/21/10 Loading Check: AUR/MG

Voltage: 1953 Analyst: AUR/MG Unloading Check:

Vial	Meth File	Sample	DF	Data File #	Comments
56	ARM092110	67835-2 ARO		J35982	✓
59	ARG092110	-3		83	✓
60		-4		84	✓
61		-5		85	✓
62		-6		86	✓
63		-6, ms		87	✓
64		-6, msd		88 *	✓
8		S10041 ARO	20	89 SC	✓
8		S10041 ARO	20	90 SC	✓
65		67807-2	2	Rerun after 86 89 *	✓
37		-1 RR		91	out of window since continuing only

MJ 9/23/10

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uL sample +990 uL solvent

Hexane Lot: _____

Methylene Chloride Lot: J20501

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 3 11/25/09

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835
DFTPP File ID: D71446T.D
DFTPP Injection Date: 08/05/10
DFTPP Injection Time: 1:47

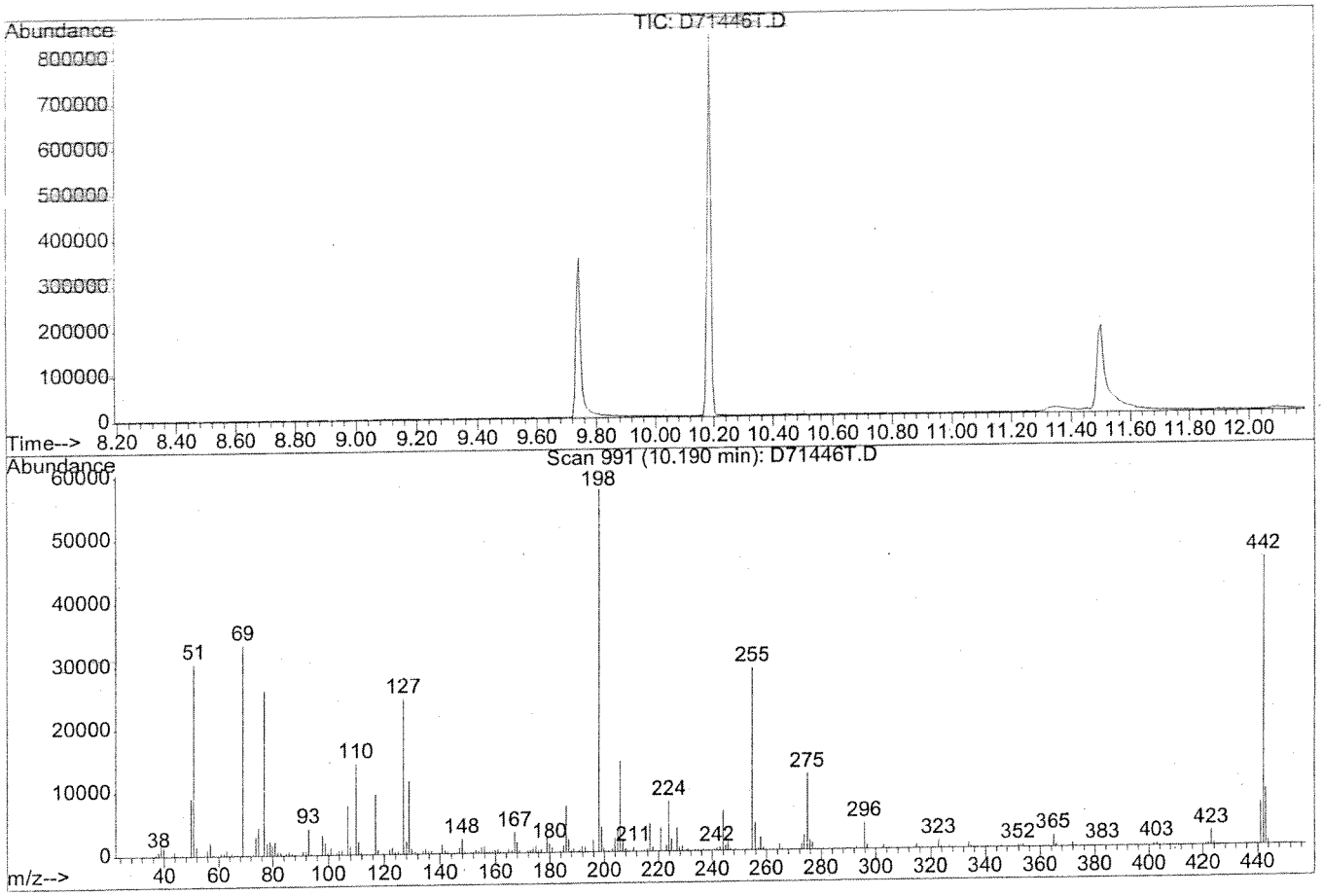
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9700 ALI 5	D71447SI.D	8/5/10 2:18
S9701 ALI 10	D71448SI.D	8/5/10 2:48
S9702 ALI 20	D71449SI.D	8/5/10 3:19
S9936 ALI 40	D71450SI.D	8/5/10 3:49
S9704 ALI 50	D71451SI.D	8/5/10 4:20
S9705 ALI 100	D71452SI.D	8/5/10 4:50
S9715 ALI 20 ICV	D71453.D	8/5/10 5:21

Refer to the DFTPP report D71446T.D for ion ratio evaluation.

EPH FORM 5

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00



Spectrum Information: Scan 991

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.9	30392	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.0	33320	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.7	24560	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	57496	PASS
199	198	5	9	6.9	3944	PASS
275	198	10	30	20.9	12023	PASS
365	198	1	100	3.2	1842	PASS
441	443	0.01	100	76.4	6759	PASS
442	198	40	100	79.4	45640	PASS
443	442	17	23	19.4	8852	PASS

D71446T.D TUNMXEPH.M Thu Aug 05 02:16:04 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71446T.D**
Date Acquired **8/5/2010 1:47**

NY080570

Name	Target Response
PENTACHLOROPHENOL	39778.00
BENZIDINE	151505.00
DDE	53.00
DDD	1884
DDT	149663

(0% - 20%)

%DDT BREAKDOWN = 1.28% **OK** ✓

8/5/10

8/5/10 2:16 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP080510

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.74	266	39778	15.78	UG/L	95
2) DFTPP	10.18	198	75090	24.58	ug/ml#	60
3) BENZIDINE	11.50	184	151505	18.88	UG/L #	100
4) DDE	11.79	246	53	0.53	UG/L #	24
5) DDD	12.36	235	1884	18.84	UG/L #	19
6) DDT	12.93	235	149663	33.12	UG/L #	86

✓ 8/5/10

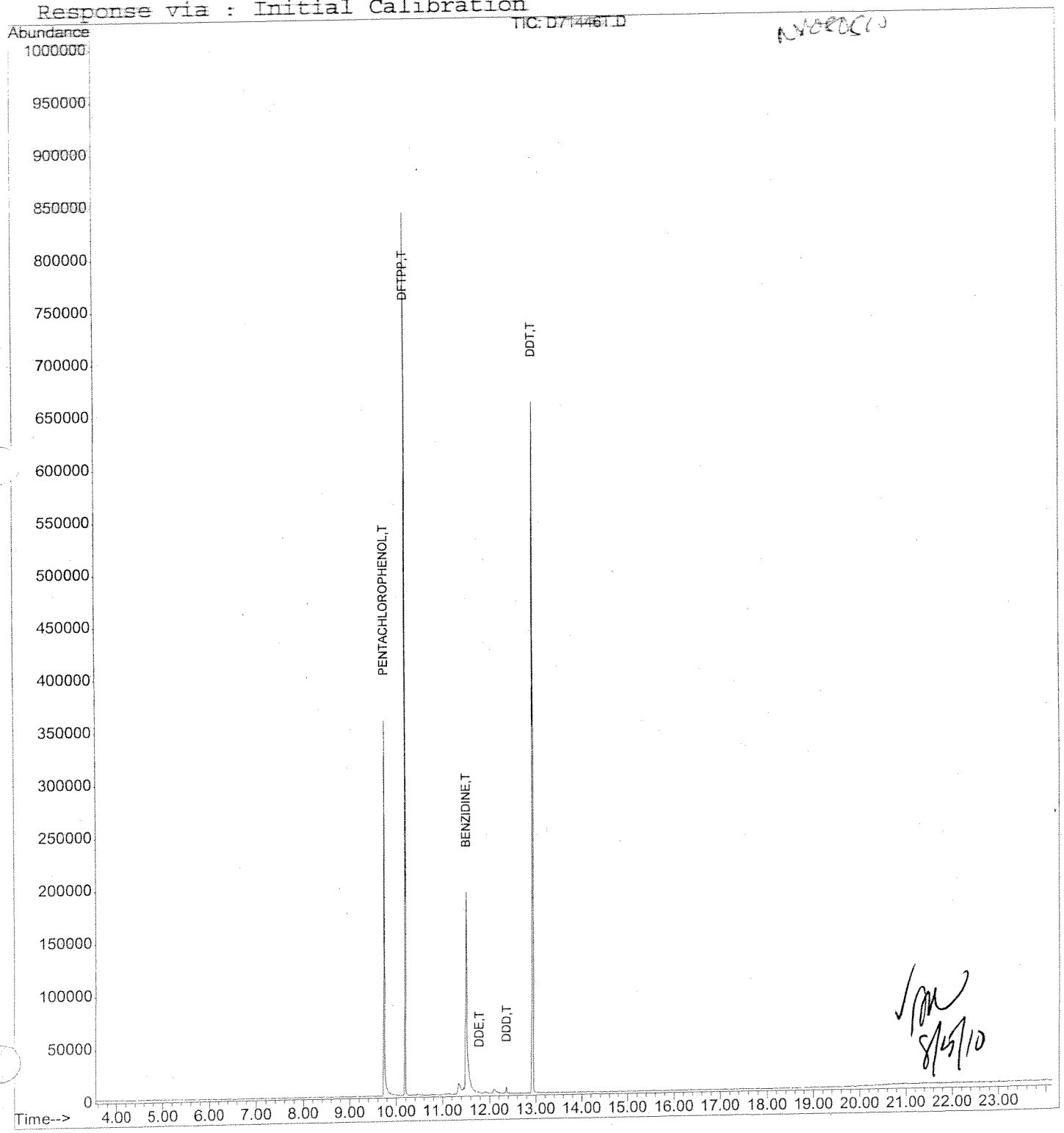
(#) = qualifier out of range (m) = manual integration
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Initial Calibration



D71446T.D TUNMXEPH.M Thu Aug 05 02:16:31 2010 Page 2

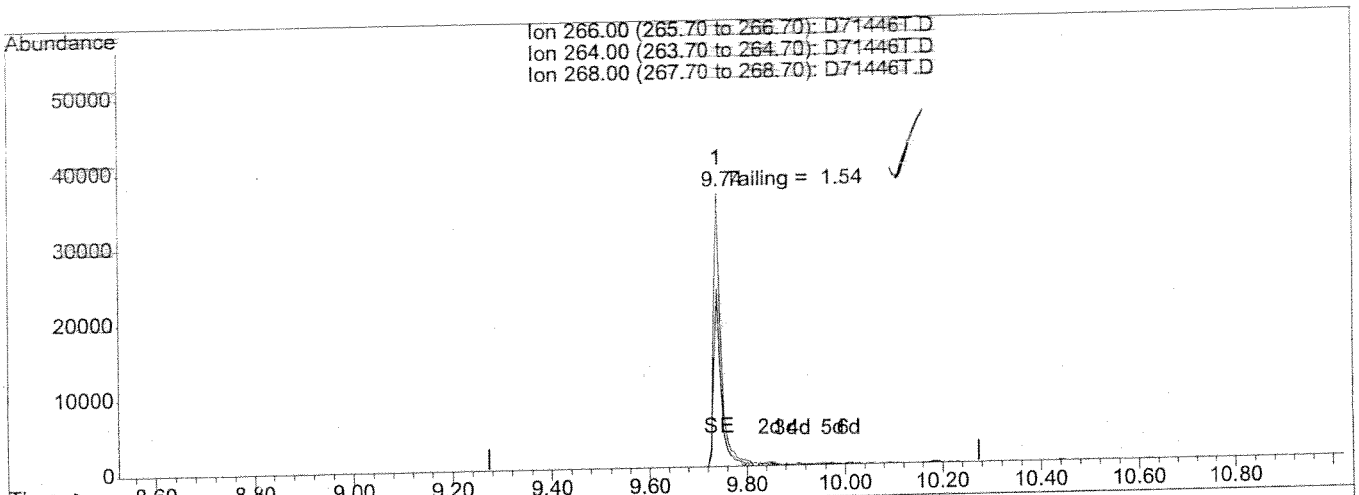
Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

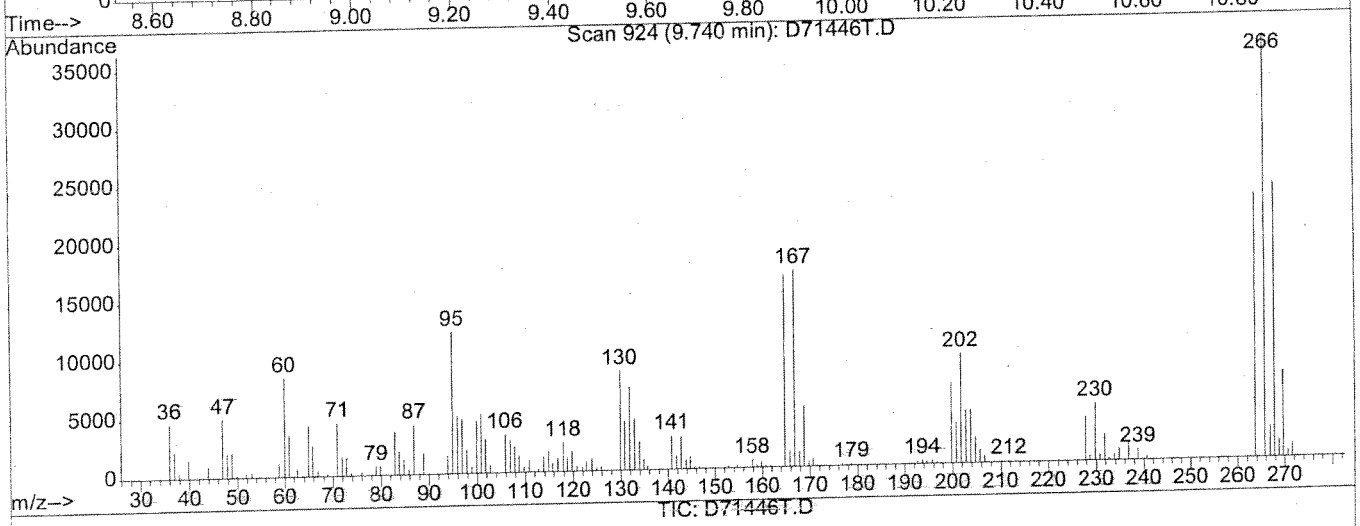
Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

AN080510





(1) PENTACHLOROPHENOL (T)

9.74min 15.78UG/L

response 39778

Ion	Exp%	Act%
266.00	100	100
264.00	59.50	61.59
268.00	58.20	63.08
0.00	0.00	0.00

8/5/10

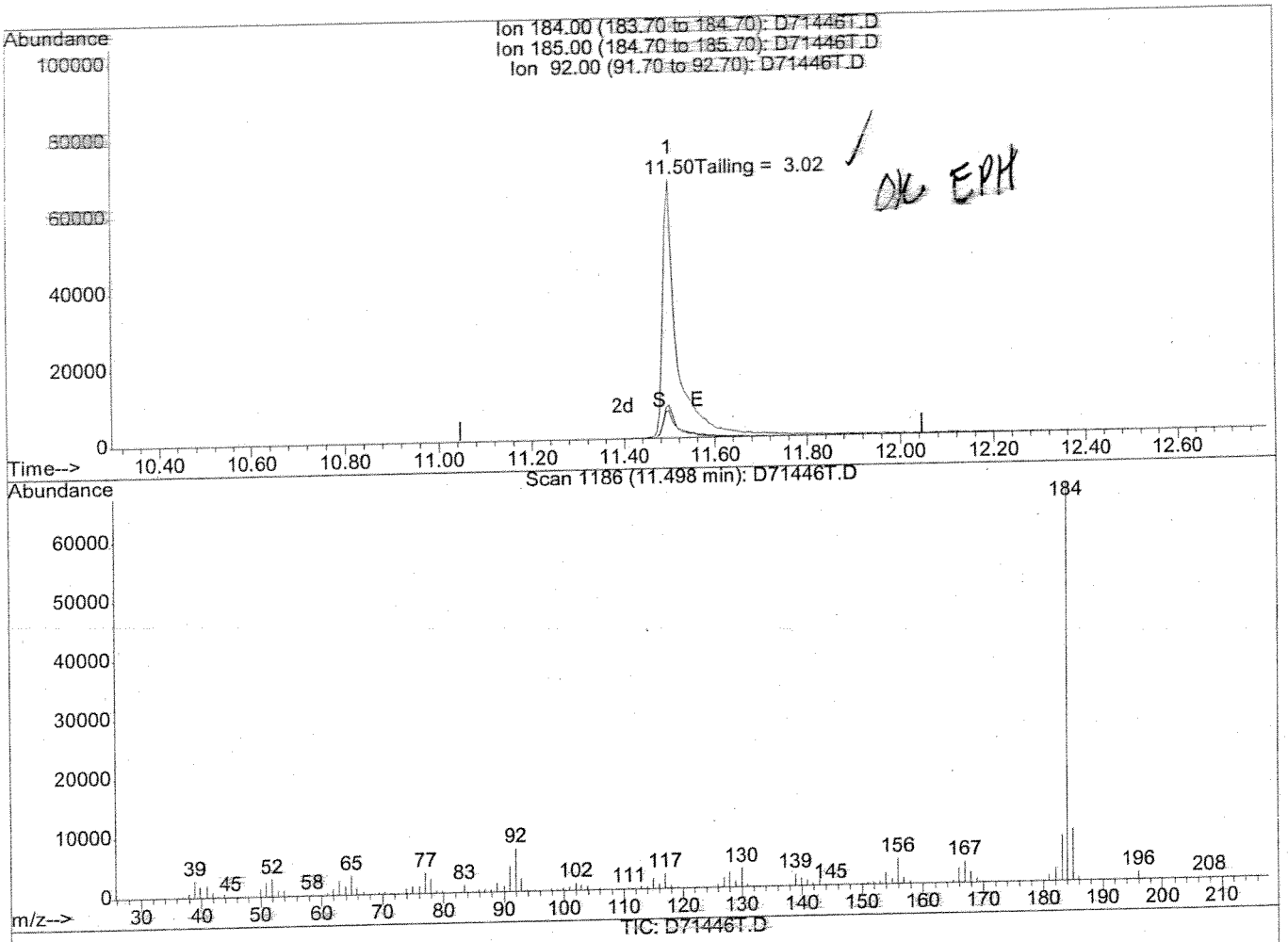
D71446T.D TUNMXEPH.M Thu Aug 05 02:16:40 2010

Data File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Acq On : 5 Aug 2010 1:47 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Aug 5 2:15 2010

Vial: 1
Operator: AR/NP
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Sat Jul 17 00:57:38 2010
Response via : Single Level Calibration

Nr080910



OK EPH

(3) BENZIDINE (T)

11.50min 18.88UG/L

response 151505

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.18#
92.00	0.00	10.90#
0.00	0.00	0.00

OK 8/5/10

D71446T.D TUNMXEPH.M Thu Aug 05 02:19:09 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67835
DFTPP File ID: J35915T.D
DFTPP Injection Date: 09/21/10
DFTPP Injection Time: 22:24

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S9706 ARO 2	J35922SI.D	9/22/10 1:27
S9707 ARO 5	J35923SI.D	9/22/10 1:50
S9708 ARO 10	J35924SI.D	9/22/10 2:13
S10041 ARO 20	J35925SI.D	9/22/10 2:36
S9710 ARO 50	J35926SI.D	9/22/10 2:59
S9711 ARO 100	J35927SI.D	9/22/10 3:22
S9716 ARO 20 ICV	J35928.D	9/22/10 3:45

Refer to the DFTPP report J35915T.D for ion ratio evaluation.

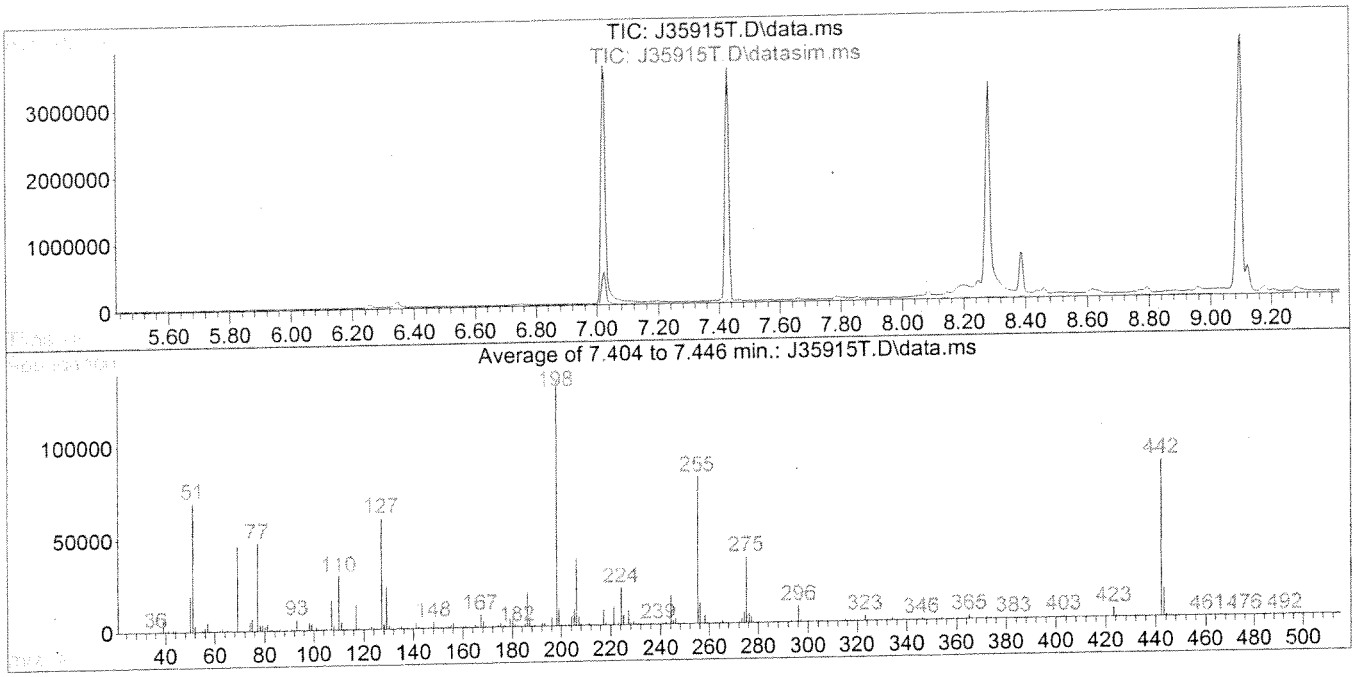
EPH FORM 5

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Wed Sep 22 00:54:43 2010

M 9/22/10



Spectrum Information: Average of 7.404 to 7.446 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.5	69708	PASS
68	69	0.00	2	0.0	15	PASS
69	198	0.00	100	34.8	46182	PASS
70	69	0.00	2	0.6	261	PASS
127	198	40	60	45.4	60362	PASS
197	198	0.00	1	0.0	15	PASS
198	198	100	100	100.0	132842	PASS
199	198	5	9	6.8	8983	PASS
275	198	10	30	27.0	35860	PASS
365	198	1	100	1.6	2103	PASS
441	443	0.01	100	0.7	109	PASS
442	198	40	100	63.8	84794	PASS
443	442	17	23	18.0	15226	PASS

592210

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35915T.D**
Date Acquired **9/21/2010 22:24**

MV
9/22/10

Name	Target Response
Pentachlorophenol	492228.00
Benzidine	1576401.00
DDE	2055.00
DDD	32145
DDT	980153

(0% - 20%)

%DDT BREAKDOWN = 3.37% **OK** ✓

092210

9/22/2010 12:55 AM

C:\msdchem\custrpt\ABN CUSTRPT\TUNEMIX.CRT

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

MV 9/22/10

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	7.020	266	492228	33.66 ug/ml	100
2) DFTPP	7.427	198	370749	30.69 ug/ml#	100
3) Benzidine	8.280	184	1576401	25.47 ug/ml#	100
4) DDE	8.444	246	2055	1.40 ug/ml#	100
5) DDD	8.772	235	32145	2.00 ug/ml#	100
6) DDT	9.097	235	980153	31.94 ug/ml#	100

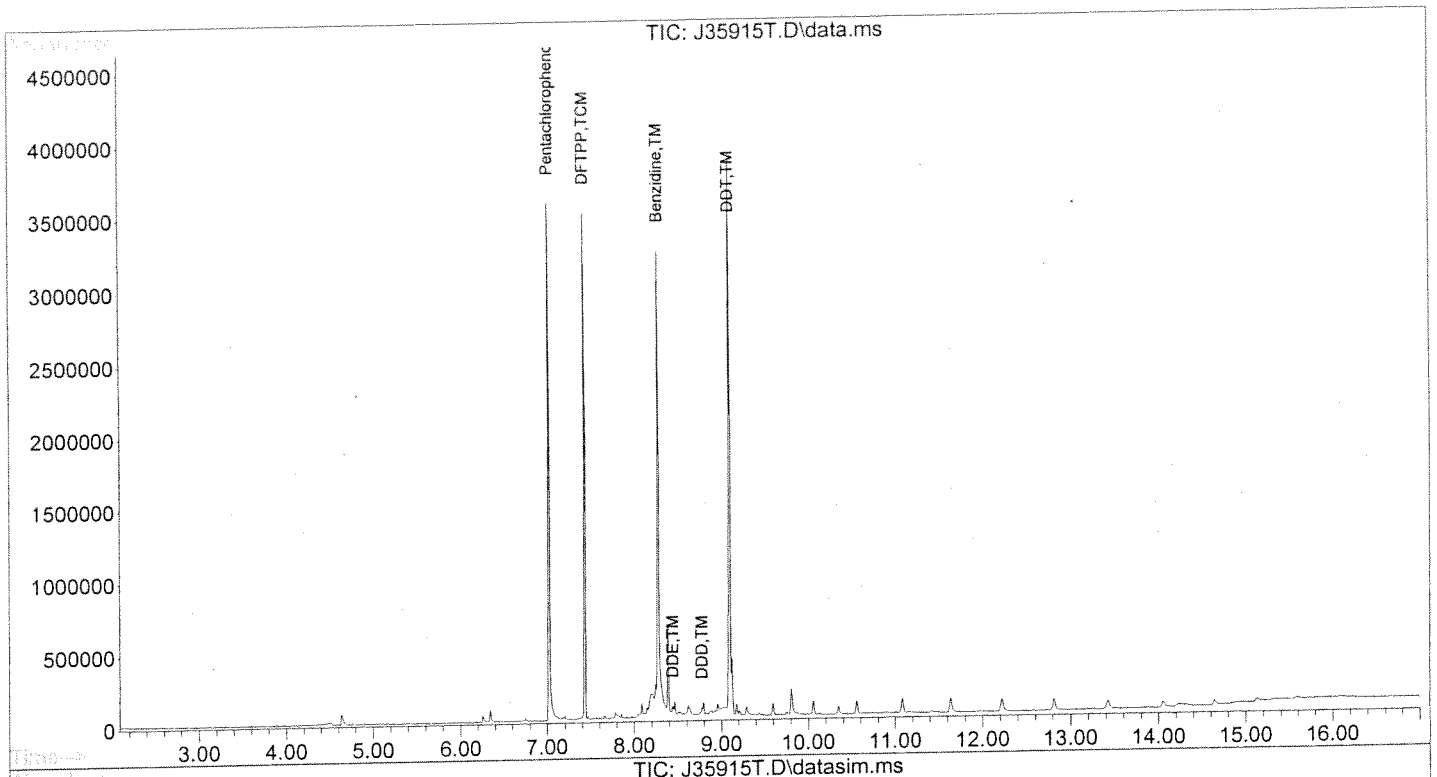
(#) = qualifier out of range (m) = manual integration (+) = signals summed

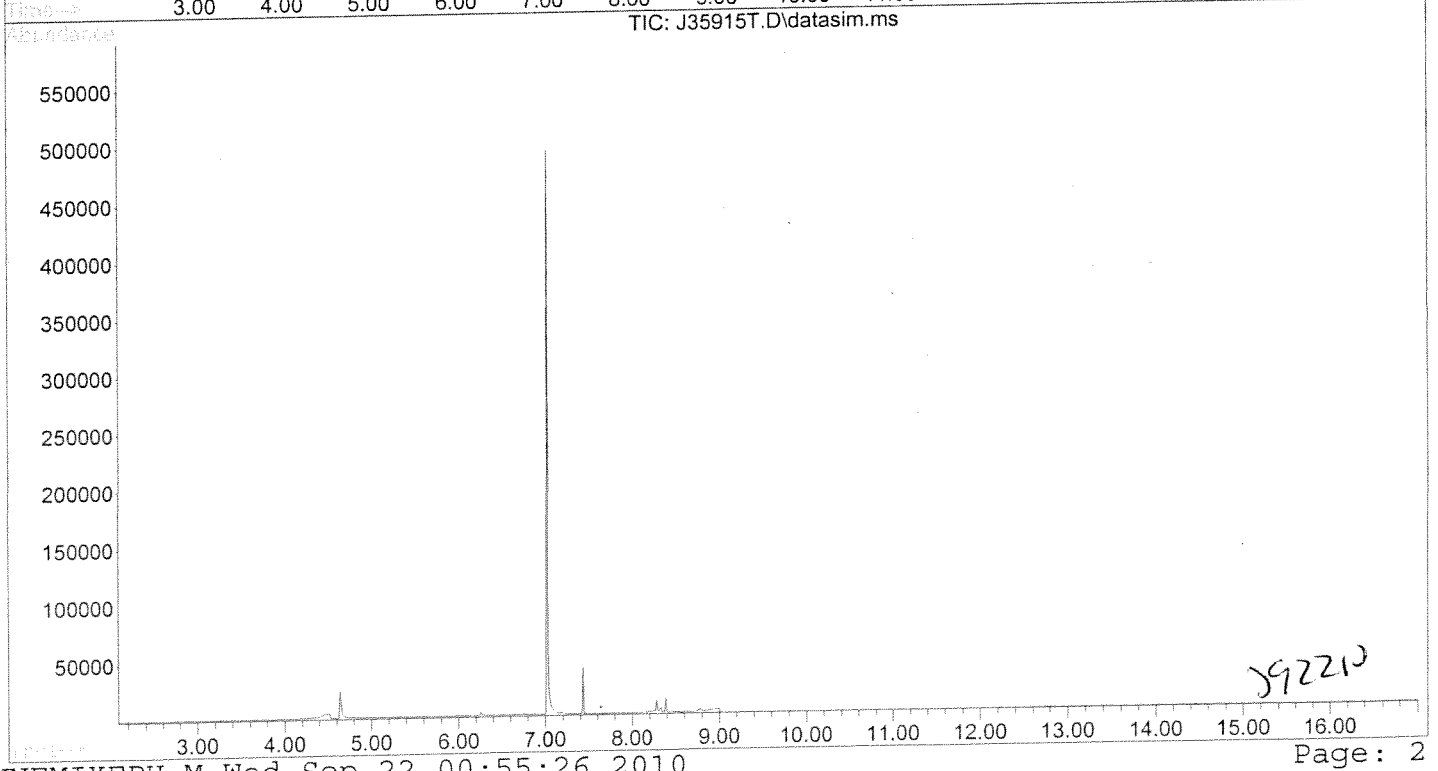
J92210

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

ML 9/22/10



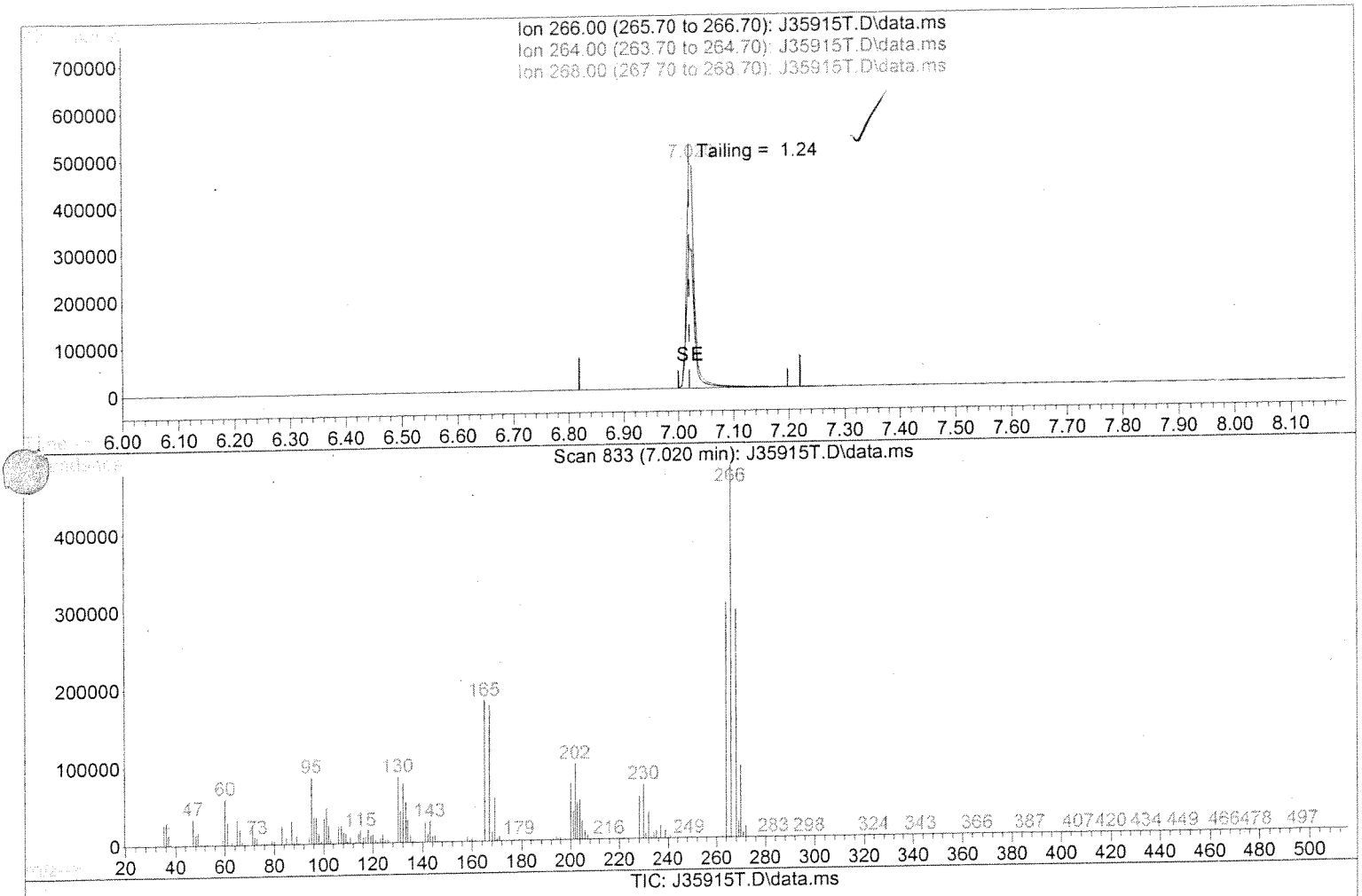


J92210

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

9/22/10



(1) Pentachlorophenol (TMC)

7.020min (0.000) 33.66ug/ml

response 492228

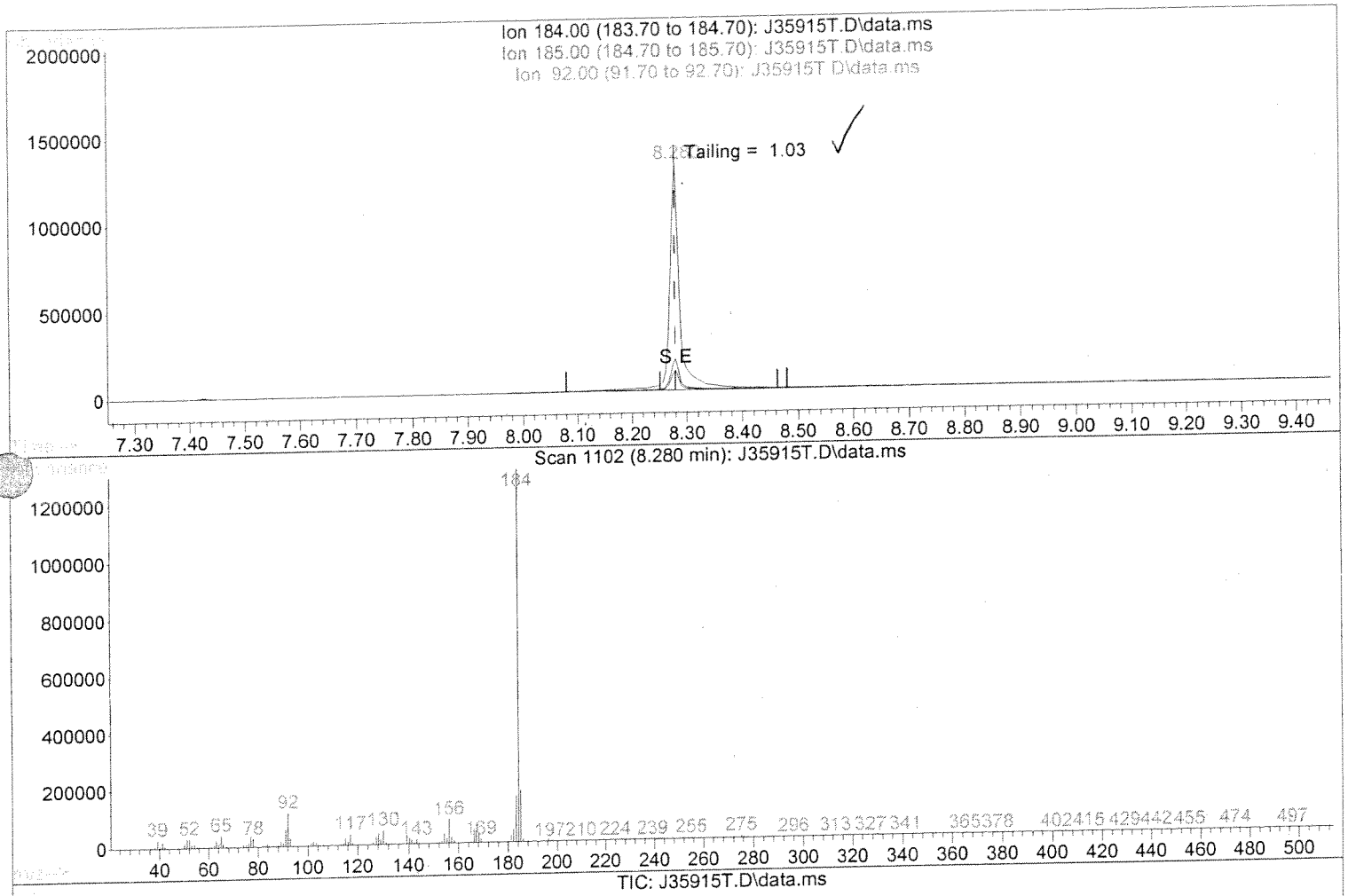
Ion	Exp%	Act%
266.00	100	100
264.00	63.20	63.10
268.00	61.50	61.69
0.00	0.00	0.00

JG2210

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35915T.D
Acq On : 21 Sep 2010 10:24 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:54:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

PN 9/22/10



(3) Benzidine (TM)

8.280min (0.000) 25.47ug/ml

response 1576401

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	14.27#
92.00	0.00	8.87#
0.00	0.00	0.00

J12210

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835
DFTPP File ID: D71765T.D
DFTPP Injection Date: 09/22/10
DFTPP Injection Time: 2:09

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71766SC.D	9/22/10 2:39
HEXANE W/IS	D71767.D	9/22/10 3:09
B092010EASE2	D71769B.D	9/22/10 4:10
L092010EASE2	D71770Q.D	9/22/10 4:39
LD092010EASE2	D71771Q.D	9/22/10 5:10
S10042 ALI 40	D71781SC.D	9/22/10 12:57
S10042 ALI 40	D71782SC.D	9/22/10 13:28

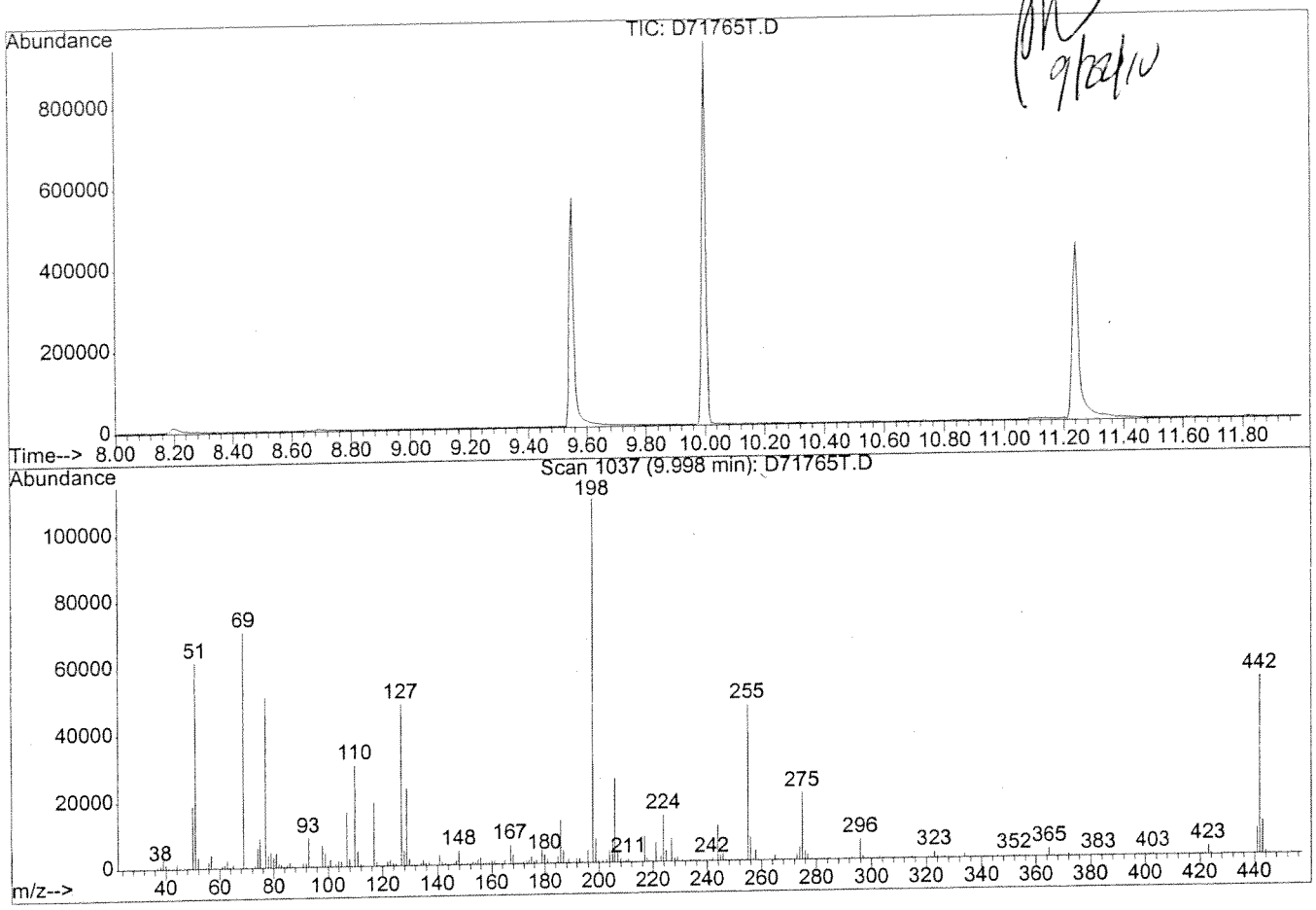
Refer to the DFTPP report D71765T.D for ion ratio evaluation.

EPH FORM 5

DFTPP

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00



Spectrum Information: Scan 1037

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	56.3	61576	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	64.5	70552	PASS
70	69	0.00	2	0.5	341	PASS
127	198	40	60	44.2	48336	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	109320	PASS
199	198	5	9	6.7	7314	PASS
275	198	10	30	18.4	20128	PASS
365	198	1	100	2.2	2428	PASS
441	443	0.01	100	79.0	8051	PASS
442	198	40	100	48.7	53272	PASS
443	442	17	23	19.1	10188	PASS

9/22/10

D71765T.D TUNMXEPH.M Wed Sep 22 03:41:16 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71765T.D**
Date Acquired **9/22/2010 2:09**

OK 9/22/10

Name	Target Response
PENTACHLOROPHENOL	61202.00
BENZIDINE	243269.00
DDE	72.00
DDD	600
DDT	152622

(0% - 20%)

%DDT BREAKDOWN = 0.44% **OK** ✓

592210

9/22/10 3:42 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

PM 9/22/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
						Qvalue
Target Compounds						
1) PENTACHLOROPHENOL	9.55	266	61202	24.28	UG/L	97
2) DFTPP	10.00	198	89800	29.39	ug/ml	96
3) BENZIDINE	11.24	184	243269	30.32	UG/L #	100
4) DDE	11.50	246	72	0.72	UG/L #	100
5) DDD	12.07	235	600	6.00	UG/L #	36
6) DDT	12.60	235	152622	33.78	UG/L	97

J92210

(#) = qualifier out of range (m) = manual integration
D71765T.D TUNMXEPH.M Wed Sep 22 03:42:48 2010

Quantitation Report

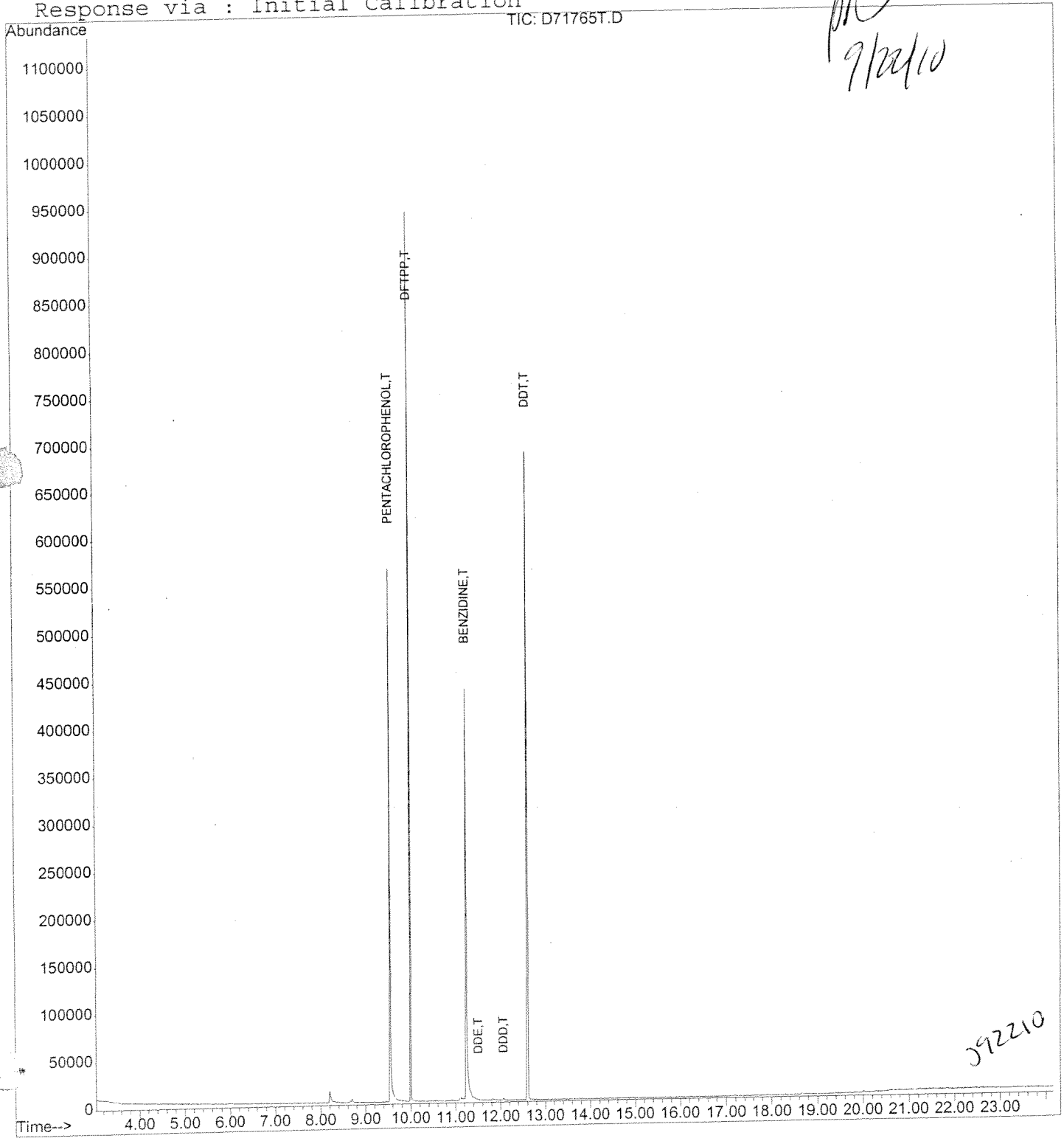
Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration

9/22/10



092210

Quantitation Report (Quan)

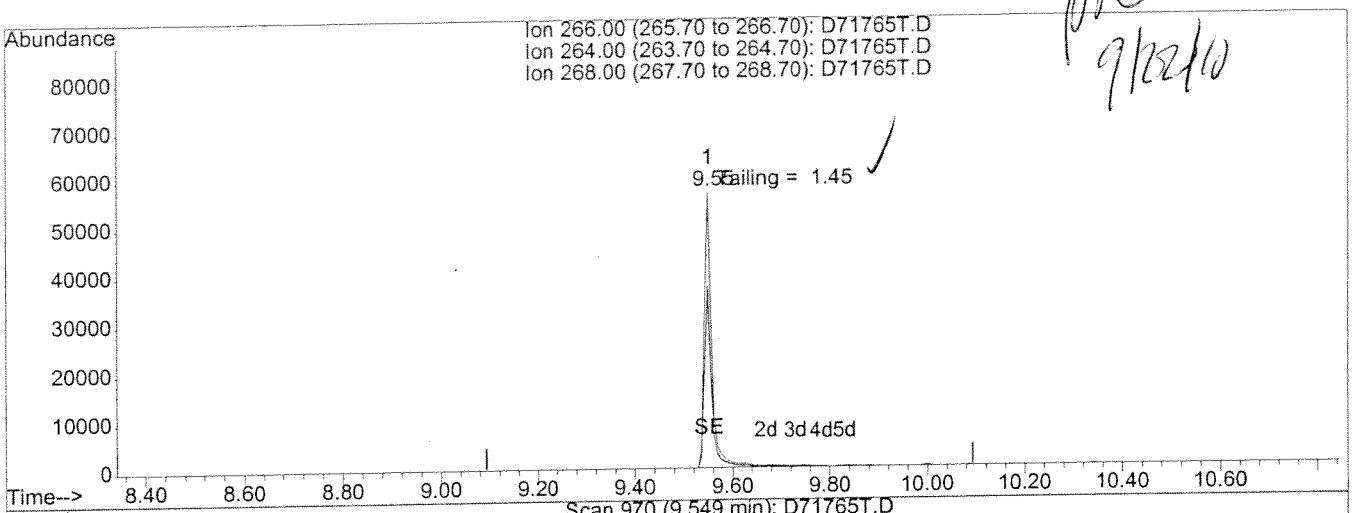
Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

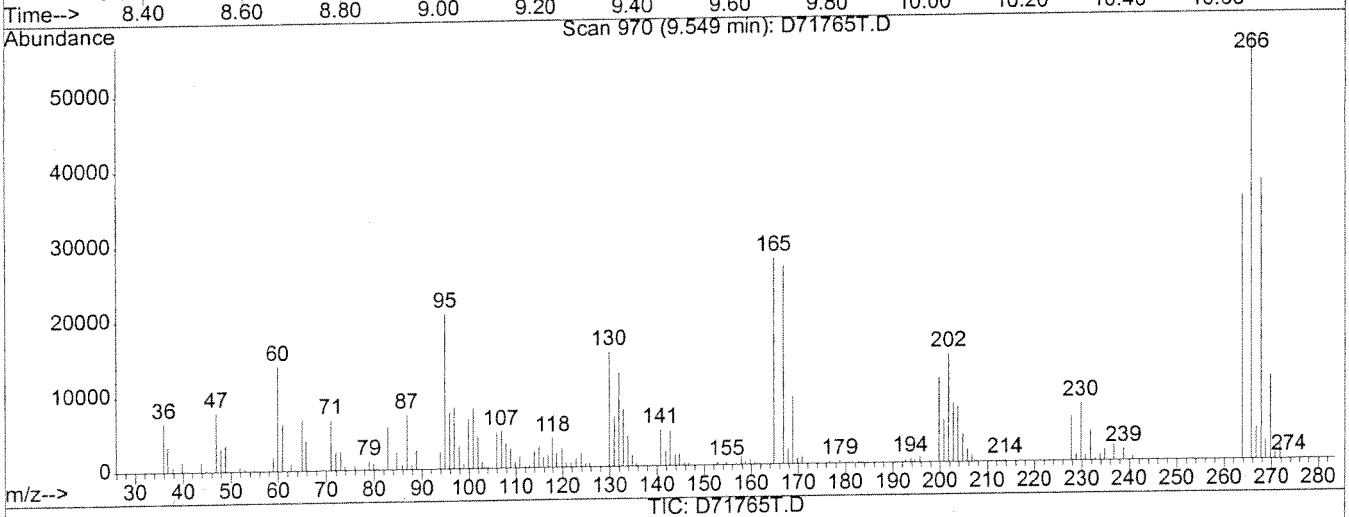
Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/22/10





(1) PENTACHLOROPHENOL (T)

9.55min 24.28UG/L

response 61202

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	62.65
268.00	62.40	64.84
0.00	0.00	0.00

592210

D71765T.D TUNMXEPH.M Wed Sep 22 03:42:55 2010

Quantitation Report (2

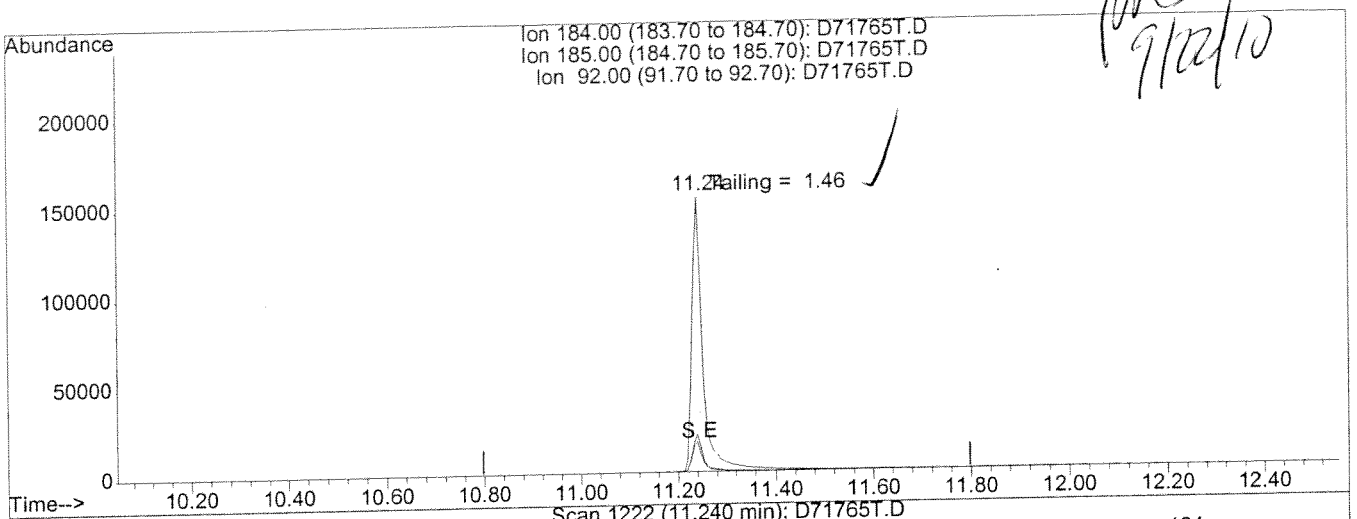
Data File : D:\HPCHEM\1\DATA\092110-D\D71765T.D
Acq On : 22 Sep 2010 2:09 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 22 3:41 2010

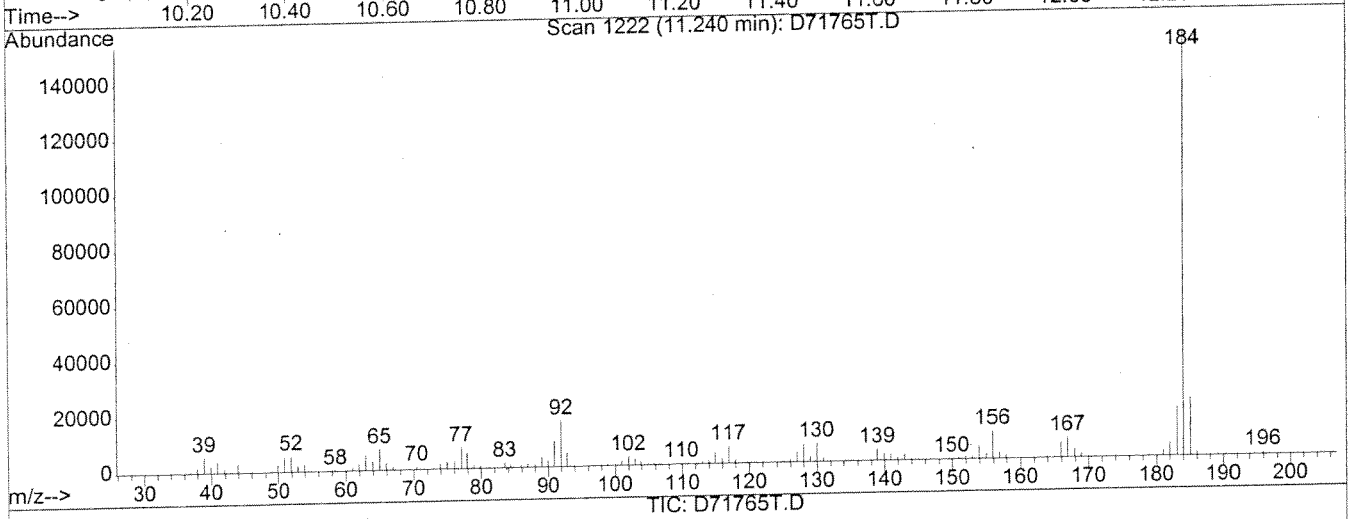
Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/22/10





(3) BENZIDINE (T)

11.24min 30.32UG/L

response 243269

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.30#
92.00	0.00	10.82#
0.00	0.00	0.00

592210

D71765T.D TUNMXEPH.M Wed Sep 22 03:43:01 2010

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67835
DFTPP File ID: J35961T.D
DFTPP Injection Date: 09/22/10
DFTPP Injection Time: 16:21

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
S10041 ARO 20	J35962SC.D	9/22/10	16:44
HEXANE W/IS	J35963.D	9/22/10	17:06
B092010EASE2	J35964B.D	9/22/10	17:29
L092010EASE2	J35965Q.D	9/22/10	17:52
LD092010EASE2	J35966Q.D	9/22/10	18:15
L092010EASE2	J35967Q.D	9/22/10	18:38
LD092010EASE2	J35968Q.D	9/22/10	19:01
67835-1	J35981.D	9/23/10	0:00
67835-2	J35982.D	9/23/10	0:23
67835-3	J35983.D	9/23/10	0:46
67835-4	J35984.D	9/23/10	1:09
67835-5	J35985.D	9/23/10	1:32
67835-6	J35986.D	9/23/10	1:55
67835-6,MS	J35987.D	9/23/10	2:18
67835-6,MSD	J35988.D	9/23/10	2:41
S10041 ARO 20	J35989SC.D	9/23/10	3:27
S10041 ARO 20	J35990SC.D	9/23/10	3:49

Refer to the DFTPP report J35961T.D for ion ratio evaluation.

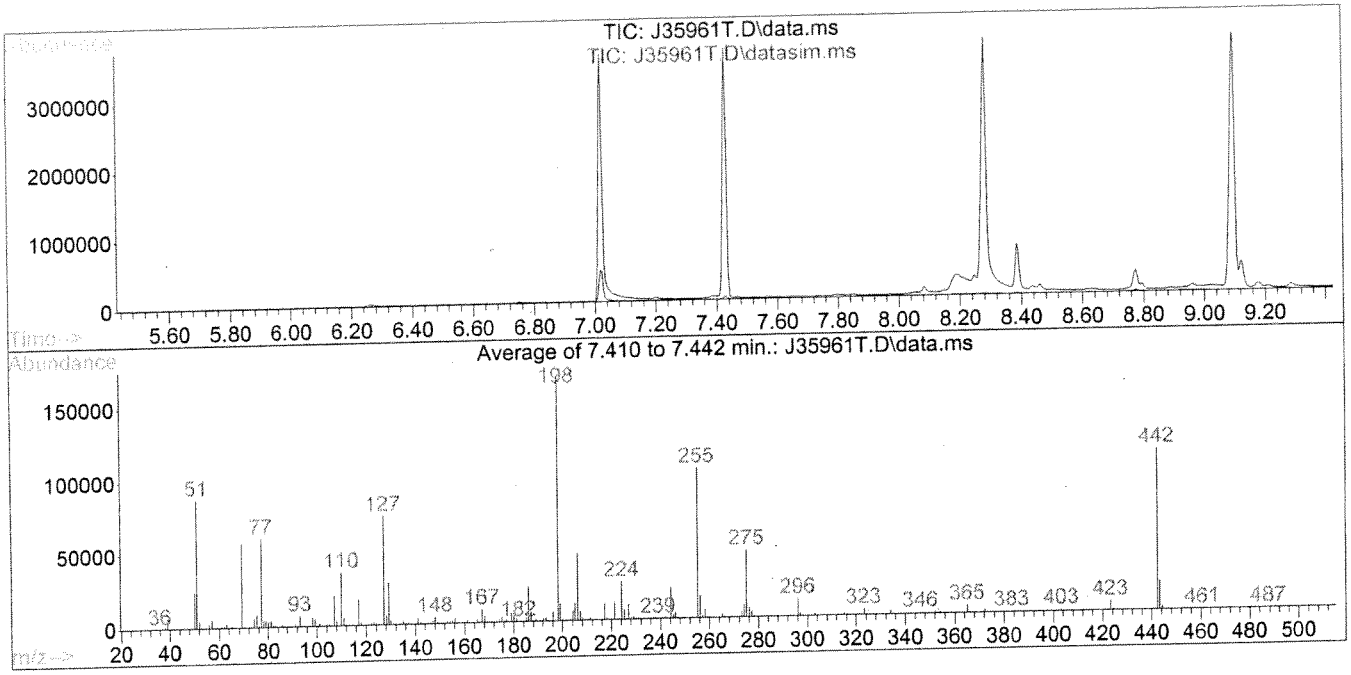
EPH FORM 5

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

J9220

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Title : ABN FULL SCAN
Last Update : Wed Sep 22 00:54:43 2010



Spectrum Information: Average of 7.410 to 7.442 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	52.4	87396	PASS
68	69	0.00	2	0.0	13	PASS
69	198	0.00	100	34.2	56981	PASS
70	69	0.00	2	0.5	296	PASS
127	198	40	60	44.5	74319	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	166838	PASS
199	198	5	9	7.0	11739	PASS
275	198	10	30	27.3	45619	PASS
365	198	1	100	3.0	5013	PASS
441	443	0.01	100	1.4	269	PASS
442	198	40	100	66.0	110074	PASS
443	442	17	23	17.6	19322	PASS

9/23/10

J92210

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35961T.D**
Date Acquired **9/22/2010 16:21**

Name	Target Response
Pentachlorophenol	495669.00
Benzidine	1792770.00
DDE	1916.00
DDD	75871
DDT	952905

(0% - 20%)

%DDT BREAKDOWN = 7.55% **OK** ✓

9/23/10

9/22/2010 7:10 PM

C:\msdchem\custrpt\ABN CUSTRPT\TUNEMIX.CRT

Quantitation Report

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

S92210

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	7.021	266	495669	33.90 ug/ml	99
2) DFTPP	7.428	198	373615	30.93 ug/ml#	100
3) Benzidine	8.281	184	1792770	28.97 ug/ml#	100
4) DDE	8.445	246	1916	1.30 ug/ml#	100
5) DDD	8.773	235	75871	4.71 ug/ml#	100
6) DDT	9.095	235	952905	31.05 ug/ml#	100

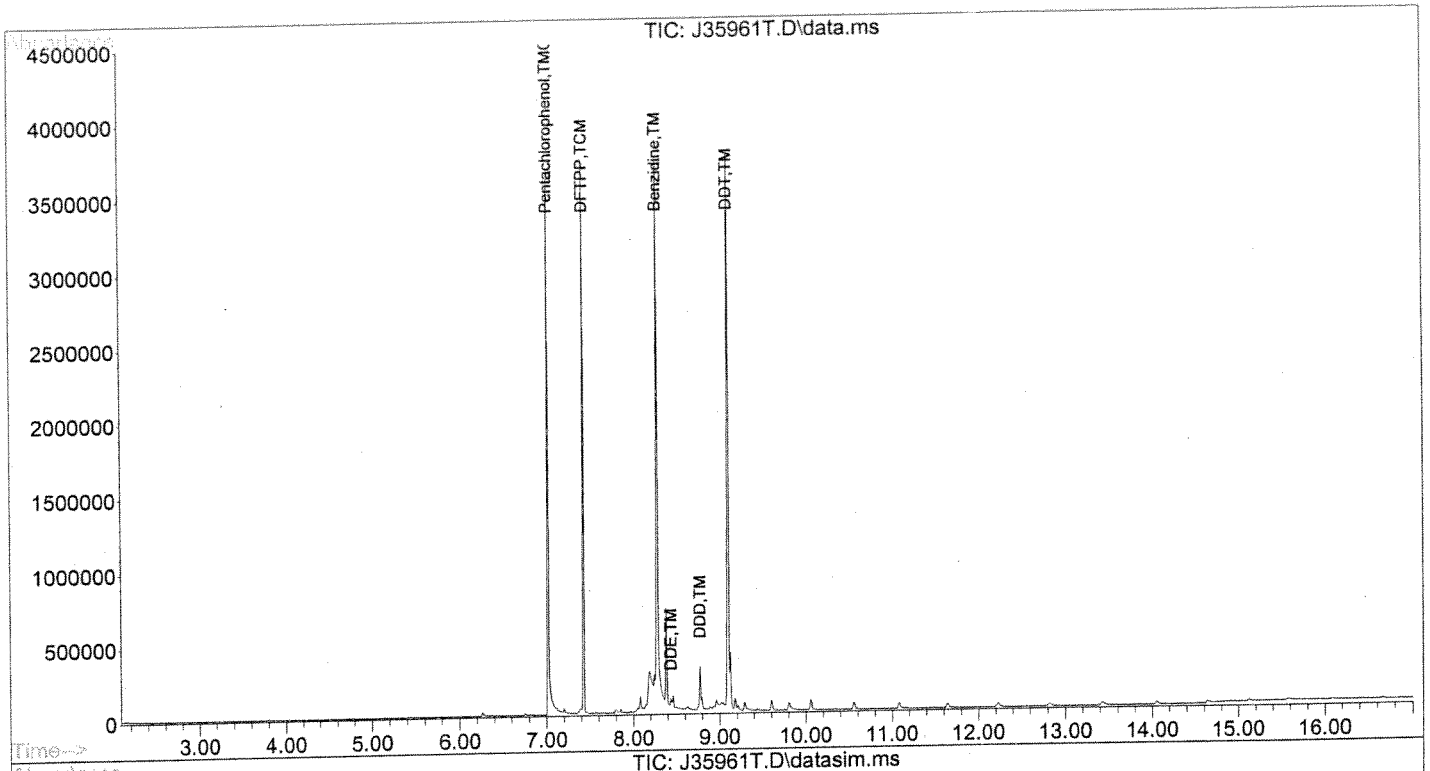
(#) = qualifier out of range (m) = manual integration (+) = signals summed

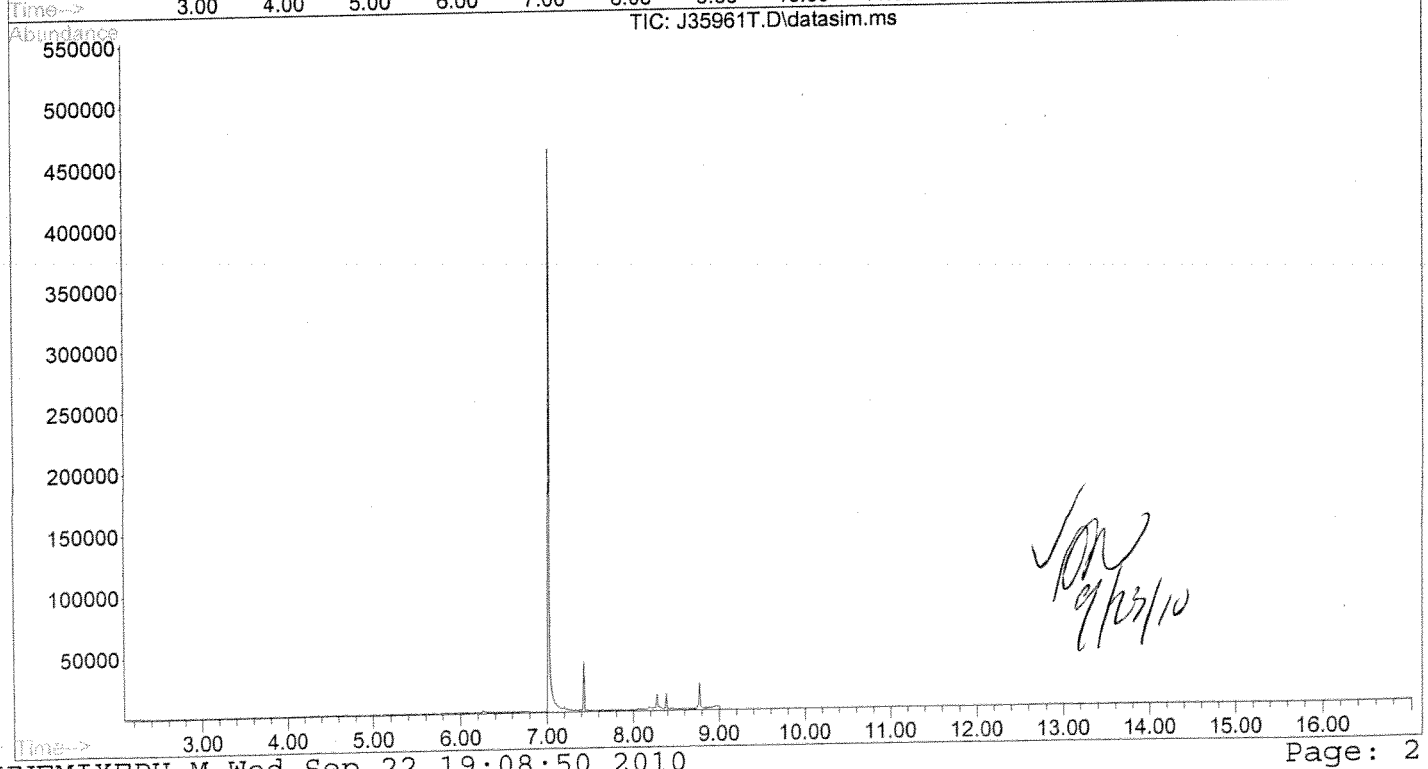
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

J92210

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

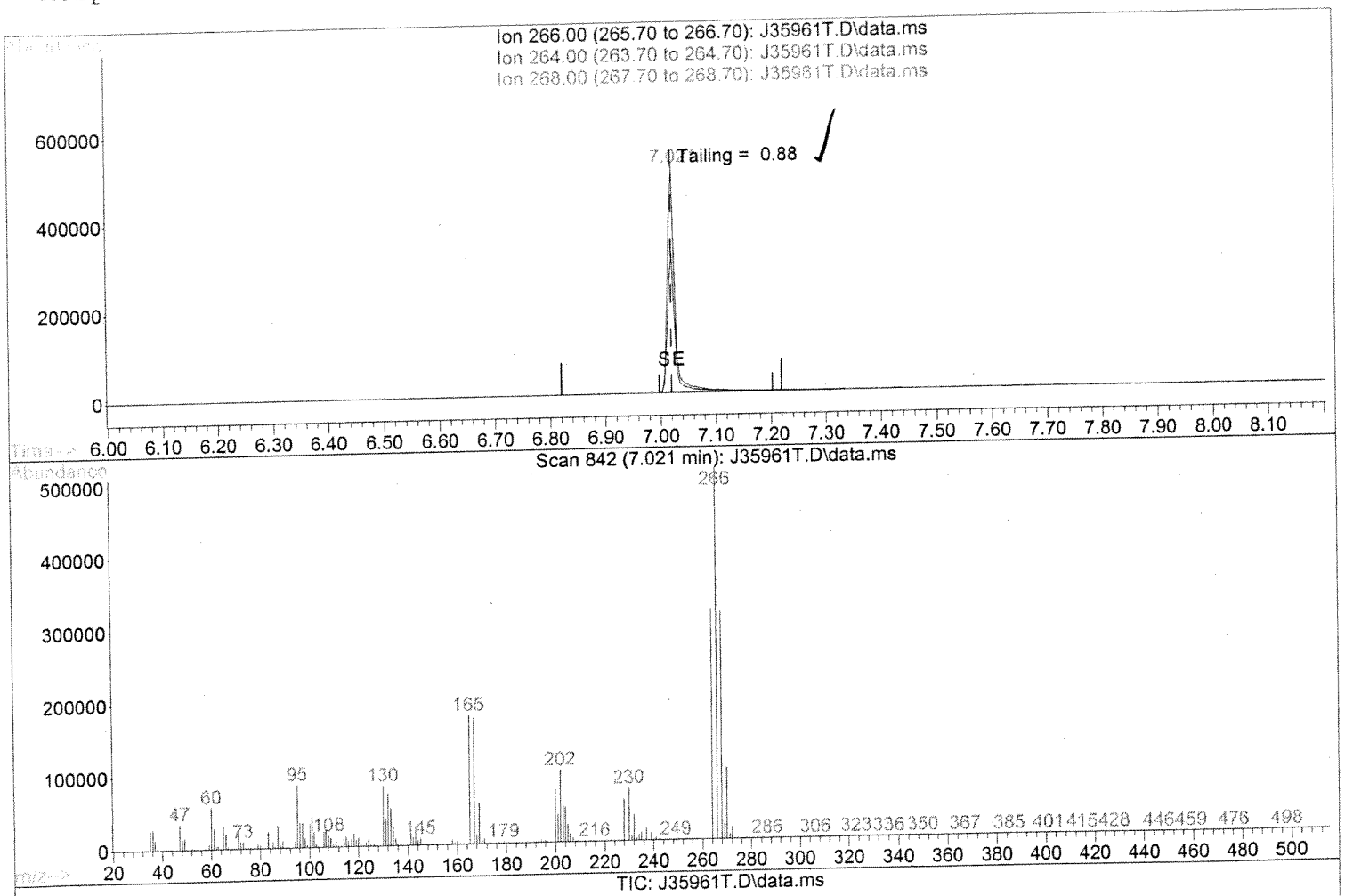




9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration



(1) Pentachlorophenol (TMC)

7.021min (+0.001) 33.90ug/ml

response 495669

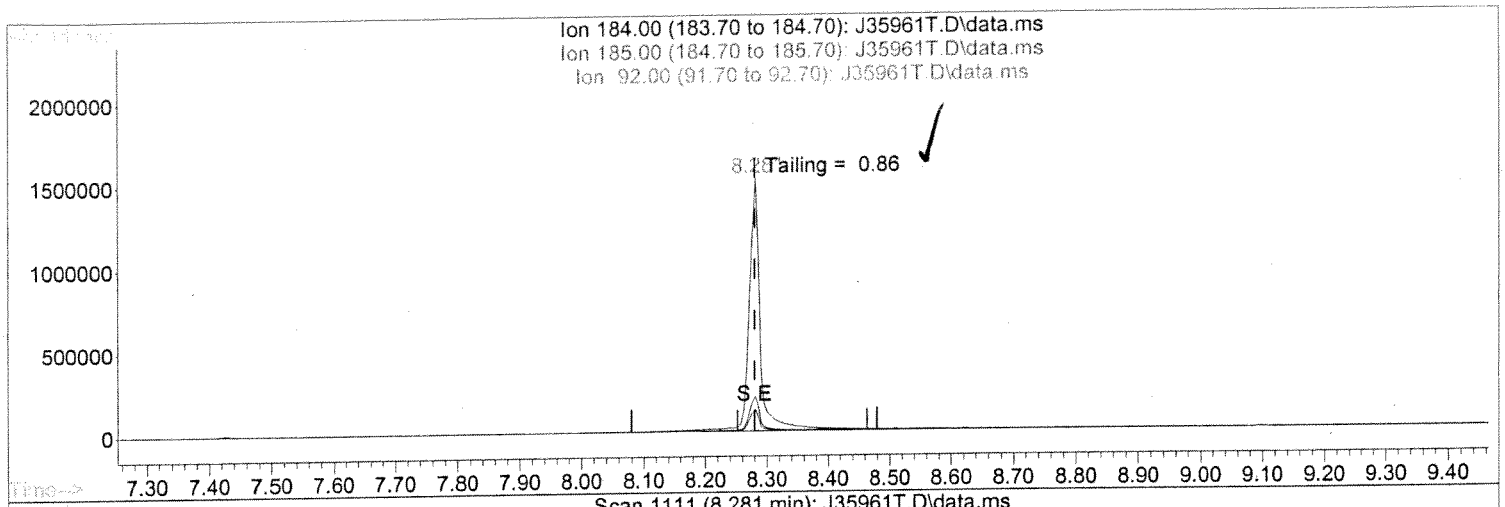
Ion	Exp%	Act%
266.00	100	100
264.00	63.20	62.73
268.00	61.50	60.92
0.00	0.00	0.00

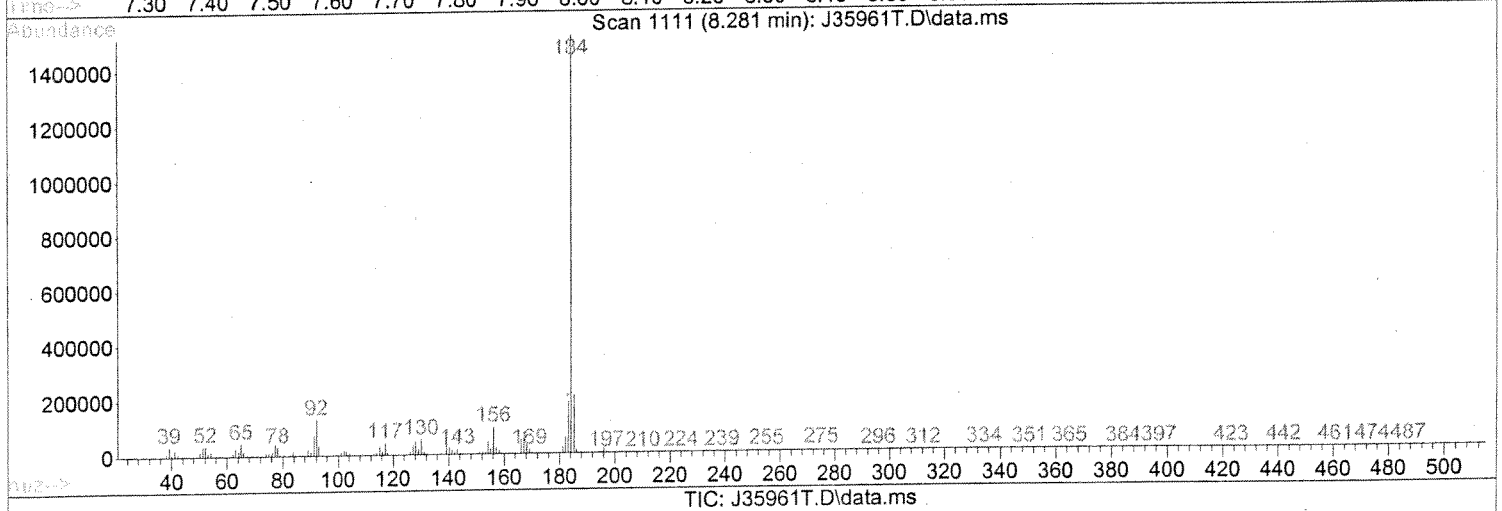
9/23/10

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35961T.D
Acq On : 22 Sep 2010 4:21 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 19:08:49 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIXEPH.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 22 00:54:43 2010
Response via : Initial Calibration

J922W





TIC: J35961T.D\data.ms

(3) Benzidine (TM)

8.281min (+0.001) 28.97ug/ml

response 1792770

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.35#
92.00	0.00	8.62#
0.00	0.00	0.00

9/23/10

EPH
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835
DFTPP File ID: D71801T.D
DFTPP Injection Date: 09/23/10
DFTPP Injection Time: 0:00

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10042 ALI 40	D71802SC.D	9/23/10 0:30
HEXANE W/IS	D71803.D	9/23/10 1:00
B092010EASE2,RR2	D71804B.D	9/23/10 1:30
67835-1	D71805.D	9/23/10 2:00
67835-2	D71806.D	9/23/10 2:30
67835-3	D71807.D	9/23/10 3:00
67835-4	D71808.D	9/23/10 3:30
67835-5	D71809.D	9/23/10 4:00
67835-6	D71810.D	9/23/10 4:30
67835-6,MS	D71811SP.D	9/23/10 5:00
67835-6,MSD	D71812SP.D	9/23/10 5:30
S10042 ALI 40	D71815SC.D	9/23/10 7:29
S10042 ALI 40	D71816SC.D	9/23/10 7:59

Refer to the DFTPP report D71801T.D for ion ratio evaluation.

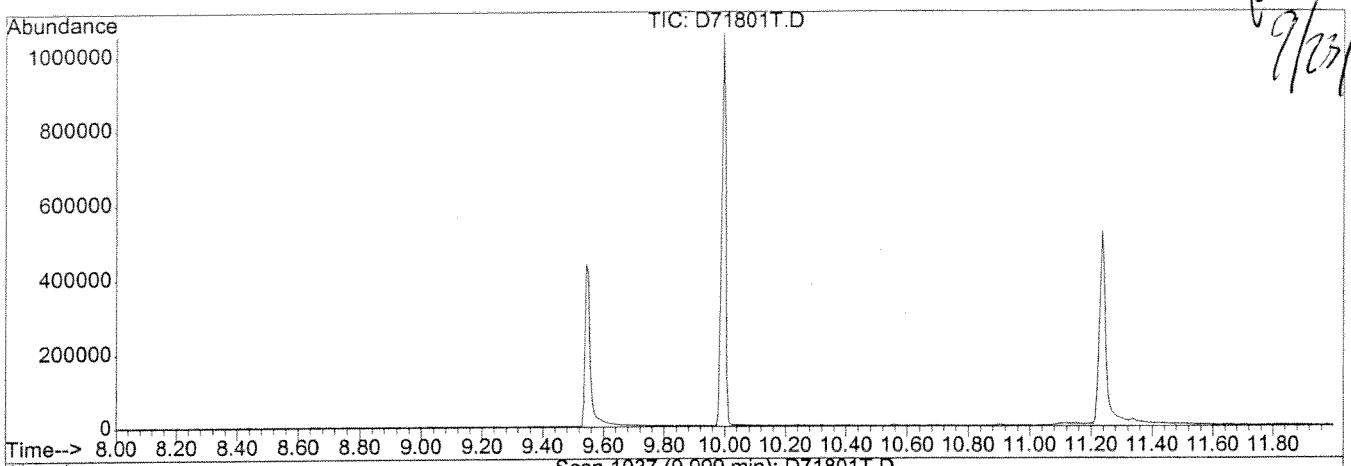
EPH FORM 5

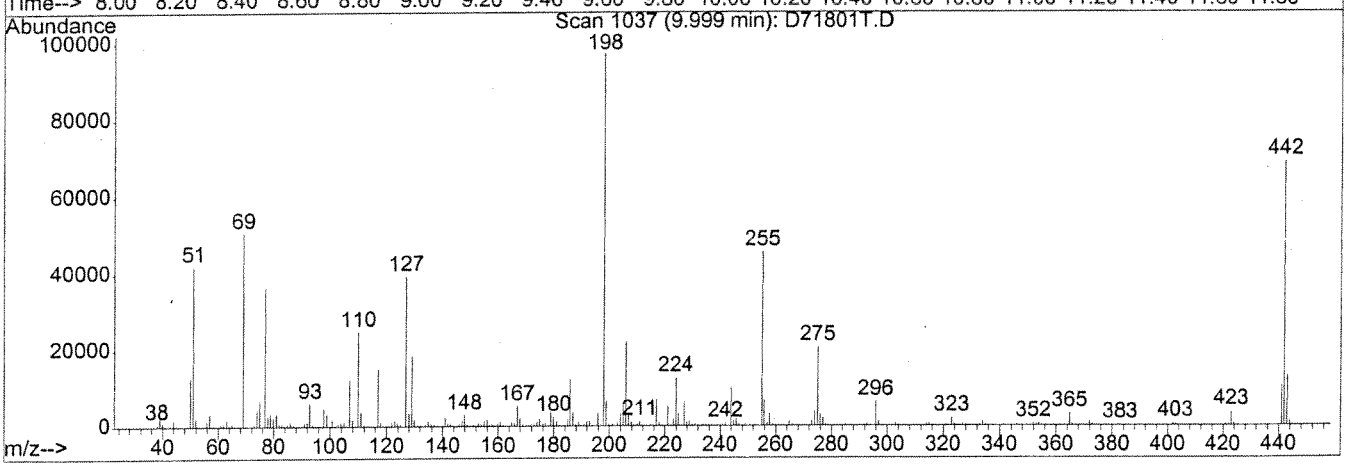
DFTPP

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D
Acq On : 23 Sep 2010 12:00 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

9/23/10





Spectrum Information: Scan 1037

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	43.2	42088	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	52.1	50744	PASS
70	69	0.00	2	0.6	302	PASS
127	198	40	60	40.4	39352	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	97448	PASS
199	198	5	9	6.7	6509	PASS
275	198	10	30	21.1	20584	PASS
365	198	1	100	3.2	3132	PASS
441	443	0.01	100	79.7	10427	PASS
442	198	40	100	70.7	68904	PASS
443	442	17	23	19.0	13078	PASS

JF 23 10

D71801T.D TUNMXEPH.M Thu Sep 23 03:27:34 2010

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **D71801T.D**
Date Acquired **9/23/2010 12:00**

9/23/10

Name	Target Response
PENTACHLOROPHENOL	52425.00
BENZIDINE	280751.00
DDE	300.00
DDD	1750
DDT	190178

(0% - 20%)

%DDT BREAKDOWN = 1.07% **OK** ✓

9-23-10

9/23/10 3:28 AM

C:\HPCHEM\Custrpt\ABN CUSTRPT\Tunemix.crt

Quantitation Report (RTE Integrator)

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D
Acq On : 23 Sep 2010 12:00 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Quant Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

PM 9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
1) PENTACHLOROPHENOL	9.55	266	52425	20.80	UG/L	97
2) DFTPP	9.99	198	110926	36.31	ug/ml	97
3) BENZIDINE	11.23	184	280751	34.99	UG/L #	100
4) DDE	11.50	246	300	3.00	UG/L #	100
5) DDD	12.06	235	1750	17.50	UG/L	93
6) DDT	12.60	235	190178	42.09	UG/L	99

392360

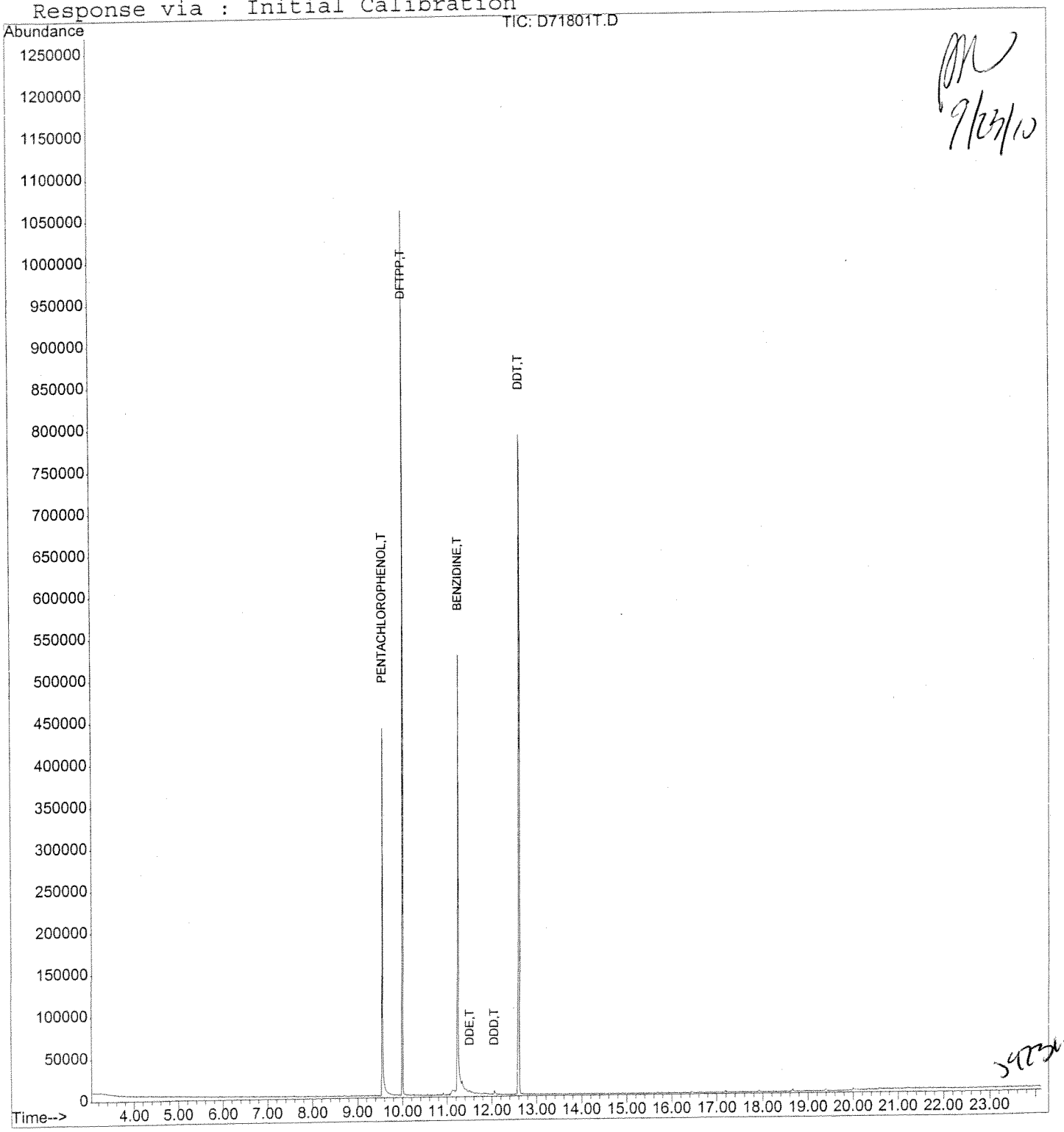
(#) = qualifier out of range (m) = manual integration
D71801T.D TUNMXEPH.M Thu Sep 23 03:28:44 2010

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D
Acq On : 23 Sep 2010 12:00 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010

Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: TUNMXEPH.RES

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Initial Calibration



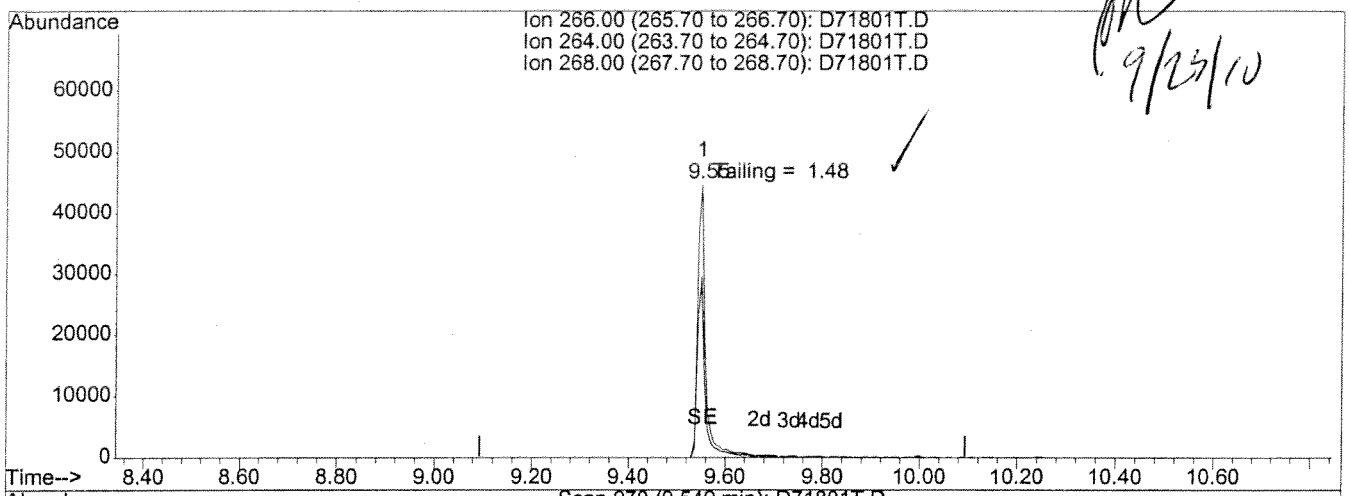
9/23/10

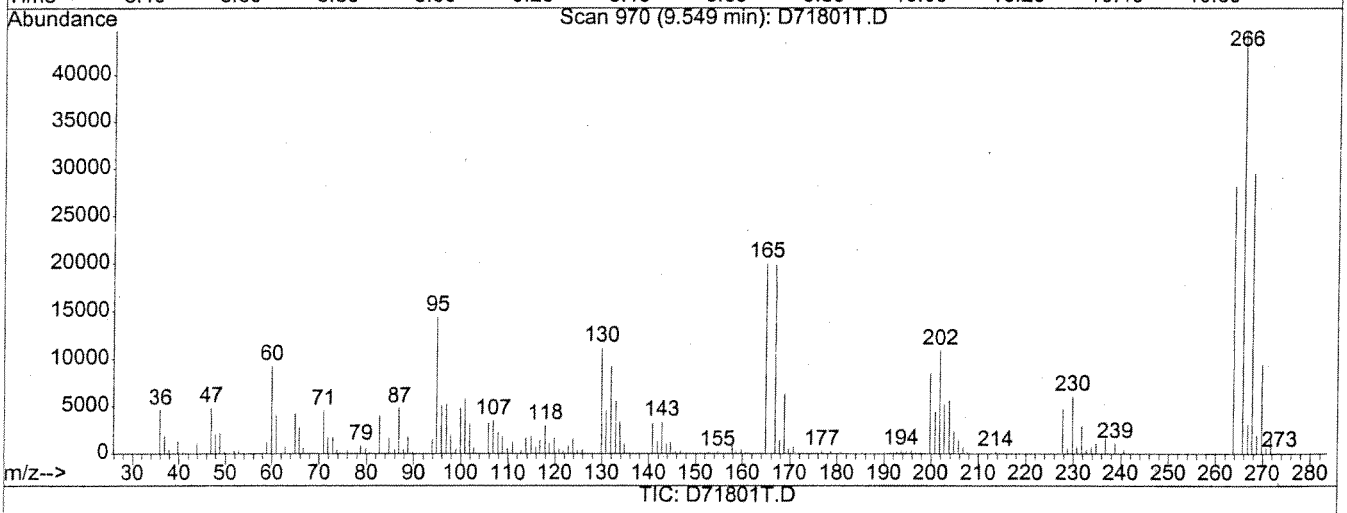
D71801T.D TUNMXEPH.M Thu Sep 23 03:28:44 2010 Page 2

Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D Vial: 1
Acq On : 23 Sep 2010 12:00 am Operator: AR
Sample : S9836 TUNEMIX 50NG Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010 Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

9/23/10





TIC: D71801T.D

(1) PENTACHLOROPHENOL (T)

9.55min 20.80UG/L

response 52425

Ion	Exp%	Act%
266.00	100	100
264.00	60.10	61.83
268.00	62.40	65.64
0.00	0.00	0.00

592310

D71801T.D TUNMXEPH.M Thu Sep 23 03:30:35 2010

Quantitation Report (Qedit)

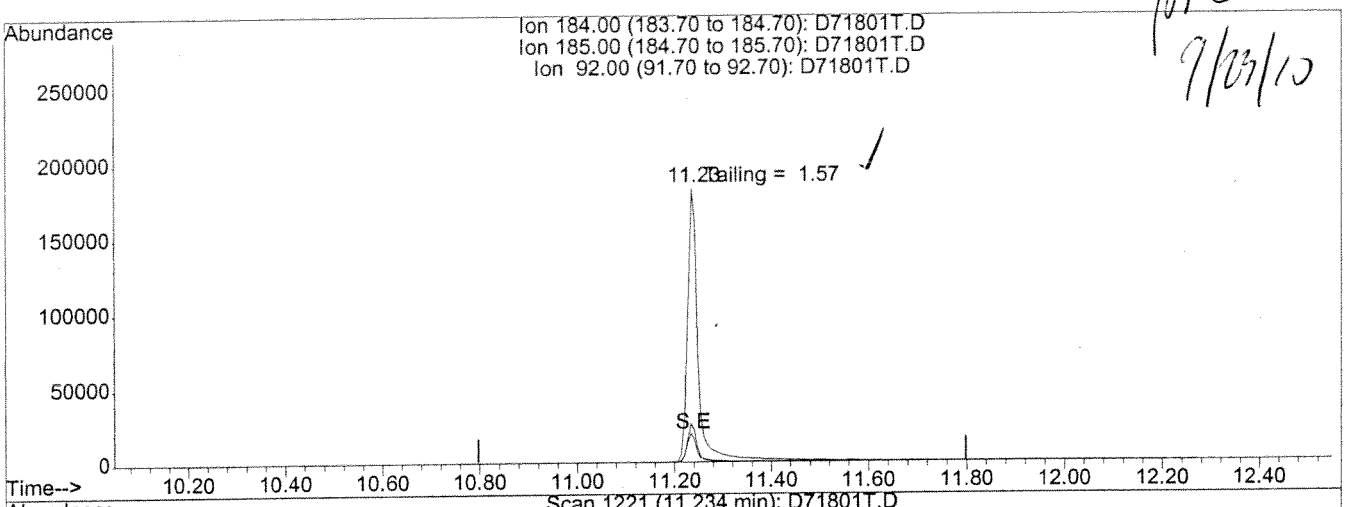
Data File : D:\HPCHEM\1\DATA\092110-D\D71801T.D
Acq On : 23 Sep 2010 12:00 am
Sample : S9836 TUNEMIX 50NG
Misc :
MS Integration Params: rteint.p
Quant Time: Sep 23 3:27 2010

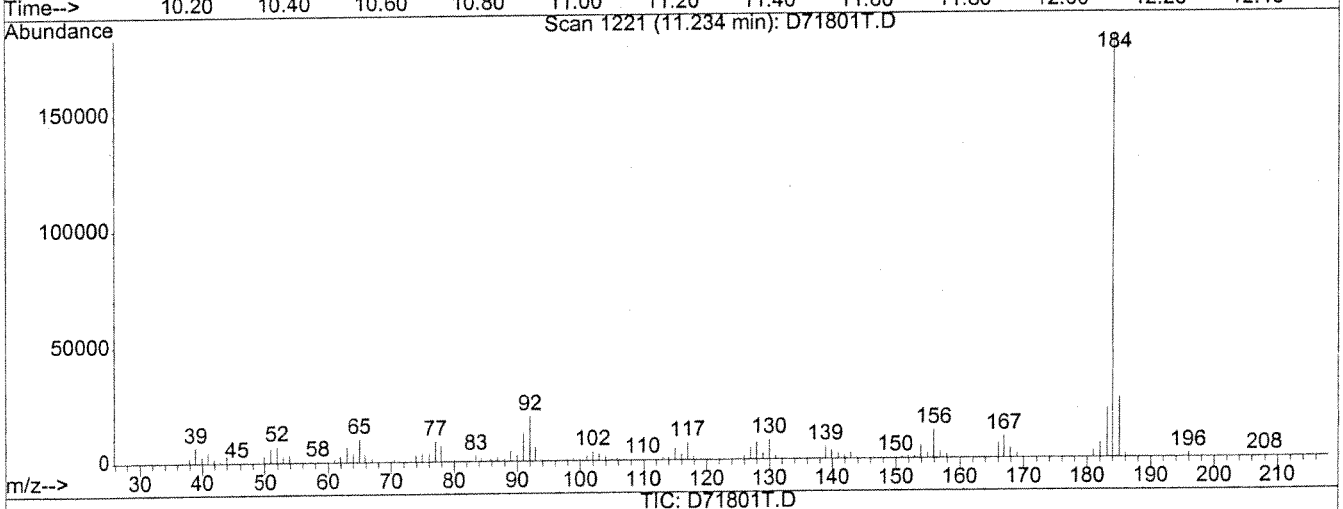
Vial: 1
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\HPCHEM\1\METHODS\TUNMXEPH.M (RTE Integrator)
Title : TUNEMIX
Last Update : Tue Aug 31 22:16:40 2010
Response via : Single Level Calibration

MN 9/23/10





(3) BENZIDINE (T)

11.23min 34.99UG/L

response 280751

Ion	Exp%	Act%
184.00	100	100
185.00	0.00	13.34#
92.00	0.00	10.48#
0.00	0.00	0.00

592310

D71801T.D TUNMXEPH.M Thu Sep 23 03:30:42 2010

Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010

Nro 80560

Calibration Files
5 =D71447SI.D 10 =D71448SI.D 20 =D71449SI.D
40 =D71450SI.D 50 =D71451SI.D 100 =D71452SI.D

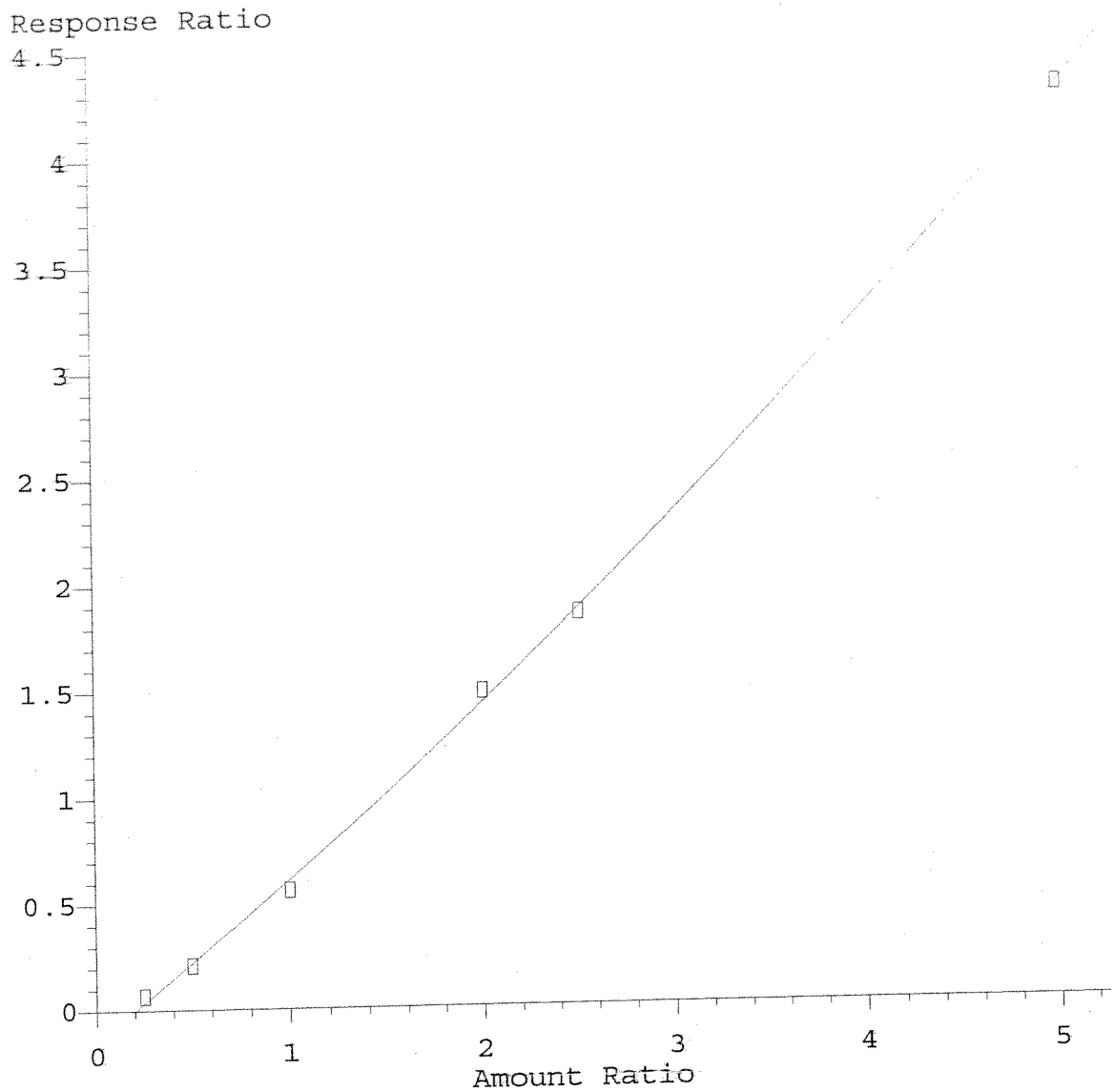
	Compound	5	10	20	40	50	100	Avg		%RS
1)	I 5-alpha-Androstane				ISTD					
2)	TZM C-9	1.183	1.207	1.210	1.297	1.278	1.277	1.242	0	3.8
3)	TZM C-10	1.208	1.243	1.232	1.328	1.325	1.283	1.270	0	3.9
4)	TZM C-12	1.226	1.320	1.372	1.449	1.422	1.394	1.364	0	5.9
5)	TZM C-14	1.287	1.336	1.376	1.498	1.486	1.410	1.399	0	5.9
6)	TZM C-16	1.221	1.308	1.370	1.410	1.411	1.381	1.350	0	5.4
7)	TZM C-18	1.202	1.290	1.351	1.451	1.435	1.329	1.343	0	6.8
8)	XH C9-C18 ✓	1.221	1.284	1.319	1.405	1.393	1.346	1.328	0	5.2
9)	TZM C-19	1.201	1.280	1.351	1.418	1.425	1.296	1.329	0	6.5
10)	TZM C-20	1.160	1.240	1.286	1.445	1.394	1.287	1.302	0	7.9
11)	S 1-Chlorooctadecane	1.087	1.167	1.211	1.310	1.301	1.288	1.227	0	7.2
12)	TZM C-22	1.146	1.251	1.294	1.401	1.365	1.282	1.290	0	6.9
13)	TZM C-24	0.999	1.219	1.235	1.377	1.347	1.251	1.238	0	10.7
14)	TZM C-26	0.897	1.133	1.184	1.311	1.208	1.147	1.147	0	12.0
15)	TZM C-28	0.701	0.966	1.045	1.149	1.115	1.062	1.006	0	16.1
16)	TZM C-30	0.584	0.821	0.931	1.078	1.043	0.979	0.906	0	20.0
[illegible])	TZM C-36	0.268	0.418	0.560	0.742	0.740	0.860	0.598	0	37.5
[illegible])	XH C19-C36 ✓	0.869	1.041	1.111	1.240	1.205	1.145	1.102	0	12.1

✓ PM 8/5/10

(#) = Out of Range

N10 80510

C-36



R = 3.32e-002 A*A + 7.24e-001 A - 1.48e-001
Curve Fit: Quadratic

Method Name: D:\HPCHEM\1\METHODS\ALG80410.M
Calibration Table Last Updated: Thu Aug 05 08:16:42 2010

JON 8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71447SI.D Vial: 2
Acq On : 5 Aug 2010 2:18 am Operator: AR/NP
Sample : S9700 ALI 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NJ 080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6392677	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	694715	1.771 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	8.85%#
Target Compounds			
2) TZM C-9	4.24	1891193	4.764 ug/ml
3) TZM C-10	5.20	1931056	4.757 ug/ml
4) TZM C-12	6.66	1959344	4.494 ug/ml
5) TZM C-14	7.84	2056697	4.600 ug/ml
6) TZM C-16	8.86	1951643	4.522 ug/ml
7) TZM C-18	9.77	1921309	4.476 ug/ml
8) XH C9-C18	7.58	13597137	32.033 ug/ml
9) TZM C-19	10.20	1920131	4.522 ug/ml
10) TZM C-20	10.65	1853445	4.454 ug/ml
12) TZM C-22	11.68	1831839	4.443 ug/ml
13) TZM C-24	13.01	1596452	4.034 ug/ml
14) TZM C-26	14.50	1432921	3.910 ug/ml
15) TZM C-28	16.04	1119751	3.482 ug/ml
16) TZM C-30	17.55	933127	3.223 ug/ml
17) TZM C-36	21.63	428162	5.856 ug/ml
18) XH C19-C36	12.10	18819045	53.433 ug/ml

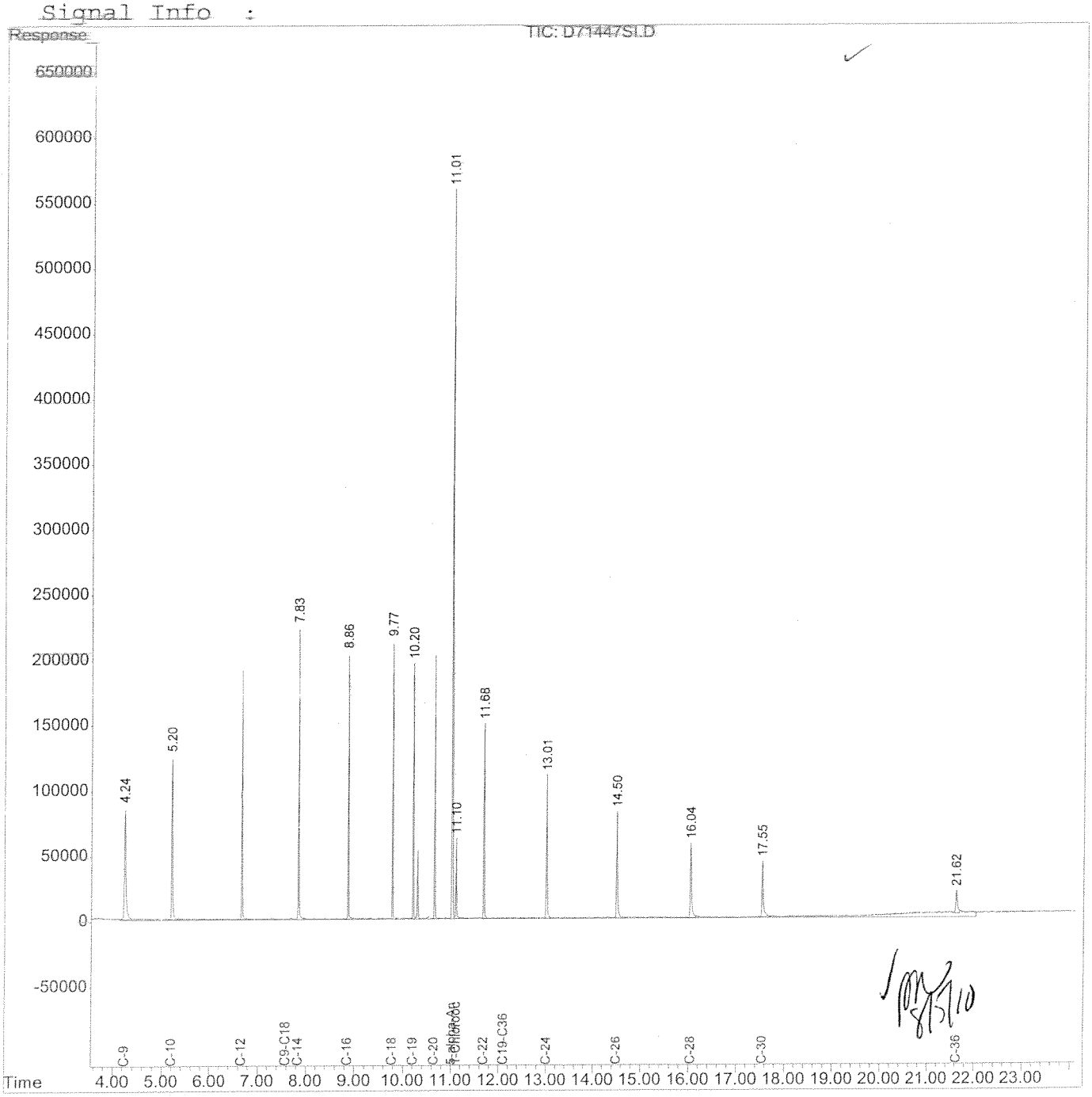
8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71447SI.D Vial: 2
Acq On : 5 Aug 2010 2:18 am Operator: AR/NP
Sample : S9700 ALI 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Data File : D:\HPCHEM\1\DATA\080410-D\D71448SI.D Vial: 3
Acq On : 5 Aug 2010 2:48 am Operator: AR/NP
Sample : S9701 ALI 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP 080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6336218	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	1479291	3.804 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	19.02%#
Target Compounds			
2) TZM C-9	4.24	3822700	9.716 ug/ml
3) TZM C-10	5.20	3938623	9.789 ug/ml
4) TZM C-12	6.66	4181325	9.677 ug/ml
5) TZM C-14	7.84	4233963	9.554 ug/ml
6) TZM C-16	8.86	4142955	9.685 ug/ml
7) TZM C-18	9.78	4088278	9.608 ug/ml
8) XH C9-C18	7.58	26462635	62.897 ug/ml
9) TZM C-19	10.20	4053948	9.632 ug/ml
10) TZM C-20	10.65	3929689	9.527 ug/ml
12) TZM C-22	11.68	3962671	9.698 ug/ml
13) TZM C-24	13.01	3863046	9.849 ug/ml
14) TZM C-26	14.50	3588388	9.878 ug/ml
15) TZM C-28	16.04	3060440	9.601 ug/ml
16) TZM C-30	17.55	2600258	9.060 ug/ml
17) TZM C-36	21.63	1322837	9.639 ug/ml
18) XH C19-C36	12.10	35862300	102.732 ug/ml

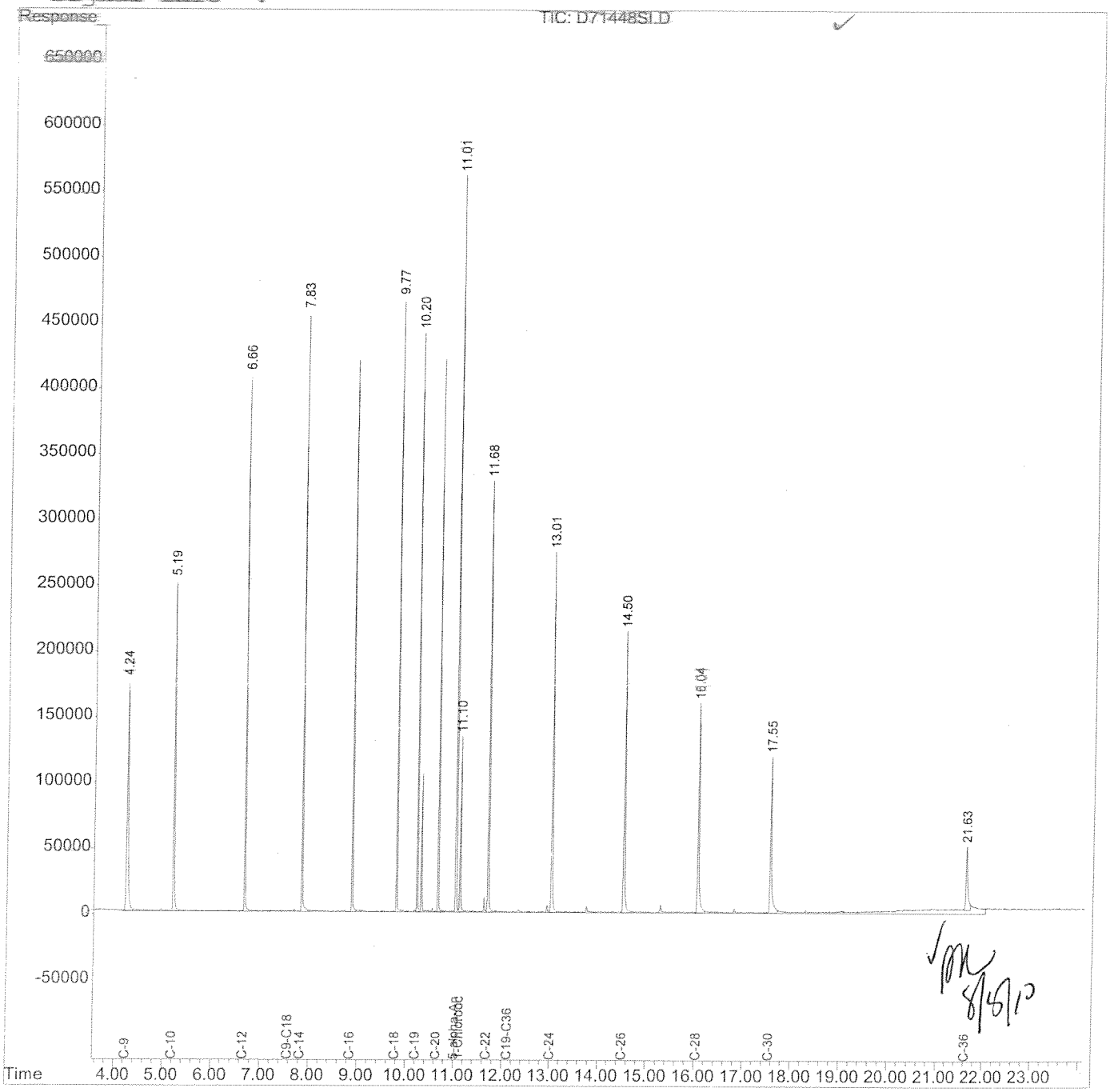
8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71448SI.D Vial: 3
Acq On : 5 Aug 2010 2:48 am Operator: AR/NP
Sample : S9701 ALI 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration ALD80410
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71449SI.D Vial: 4
Acq On : 5 Aug 2010 3:19 am Operator: AR/NP
Sample : S9702 ALI 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

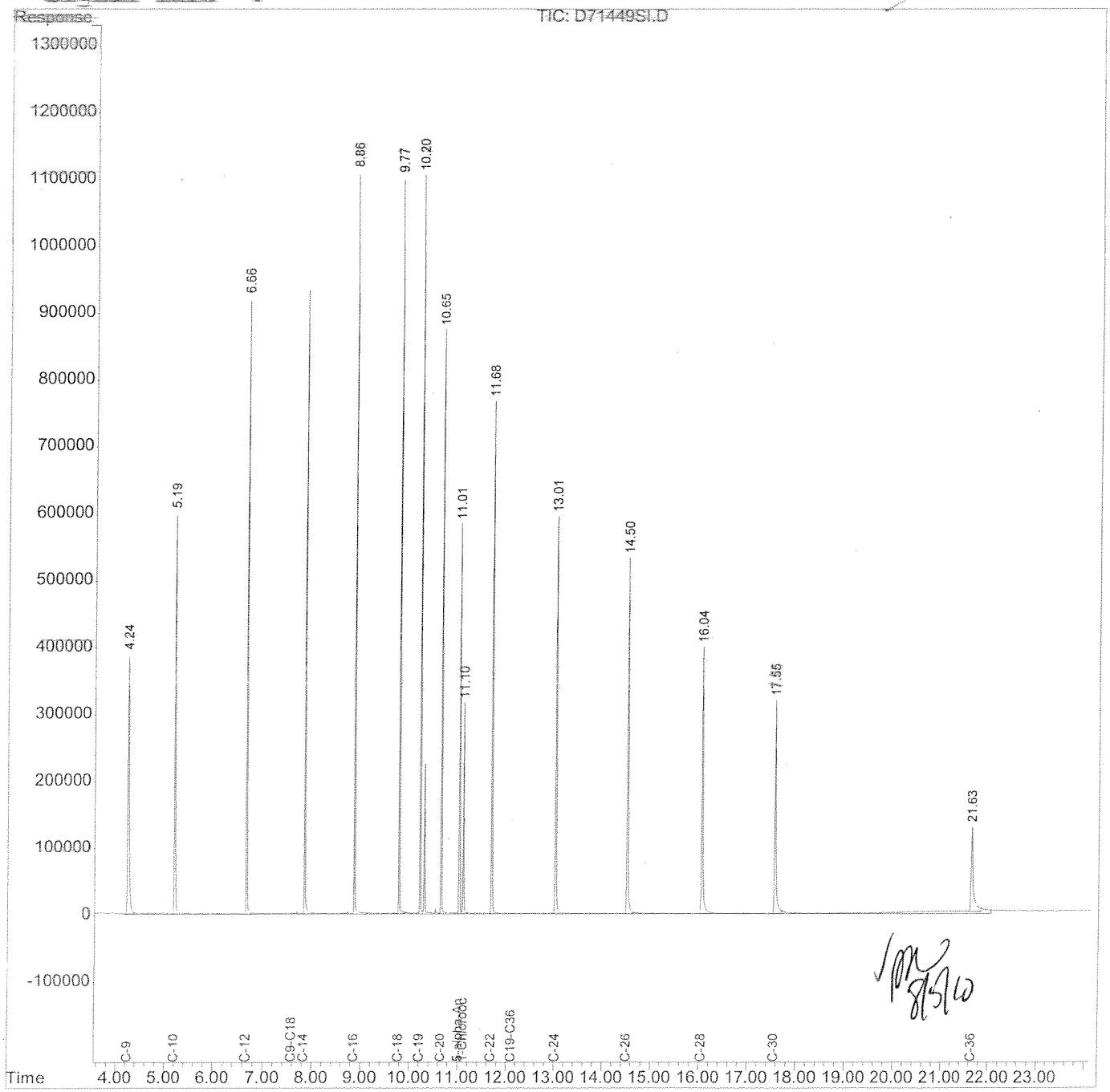
Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	7097682	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	3438982	7.895 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	39.48%#
Target Compounds			
2) TZM C-9	4.24	8588165	19.486 ug/ml
3) TZM C-10	5.20	8746659	19.406 ug/ml
4) TZM C-12	6.66	9739787	20.122 ug/ml
5) TZM C-14	7.84	9764383	19.669 ug/ml
6) TZM C-16	8.86	9726068	20.297 ug/ml
7) TZM C-18	9.77	9590287	20.121 ug/ml
8) XH C9-C18	7.58	59053936	125.303 ug/ml
9) TZM C-19	10.20	9591604	20.344 ug/ml
10) TZM C-20	10.65	9128743	19.757 ug/ml
12) TZM C-22	11.68	9185337	20.067 ug/ml
13) TZM C-24	13.01	8763475	19.947 ug/ml
14) TZM C-26	14.50	8407095	20.660 ug/ml
15) TZM C-28	16.04	7415225	20.766 ug/ml
16) TZM C-30	17.55	6607521	20.553 ug/ml
17) TZM C-36	21.63	3975883	18.754 ug/ml
18) XH C19-C36	12.10	74373245	190.194 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71449SI.D Vial: 4
Acq On : 5 Aug 2010 3:19 am Operator: AR/NP
Sample : S9702 ALI 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration AN080410
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D Vial: 5
Acq On : 5 Aug 2010 3:49 am Operator: AR/NP
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. : NM80410
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6995121	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	7331733	17.080 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	85.40%
Target Compounds			
2) TZM C-9	4.24	18142546	41.768 ug/ml
3) TZM C-10	5.20	18581737	41.832 ug/ml
4) TZM C-12	6.66	20277452	42.507 ug/ml
5) TZM C-14	7.84	20955405	42.832 ug/ml
6) TZM C-16	8.86	19724958	41.766 ug/ml
7) TZM C-18	9.78	20294947	43.204 ug/ml
8) XH C9-C18	7.58	121466705	261.512 ug/ml
9) TZM C-19	10.21	19831232	42.680 ug/ml
10) TZM C-20	10.65	20212359	44.386 ug/ml
12) TZM C-22	11.68	19594057	43.434 ug/ml
13) TZM C-24	13.02	19266627	44.496 ug/ml
14) TZM C-26	14.51	18335389	45.718 ug/ml
15) TZM C-28	16.05	16077236	45.684 ug/ml
16) TZM C-30	17.56	15083647	47.606 ug/ml
17) TZM C-36	21.64	10386932	41.215 ug/ml
18) XH C19-C36	12.10	154317013	400.420 ug/ml

8/5/10

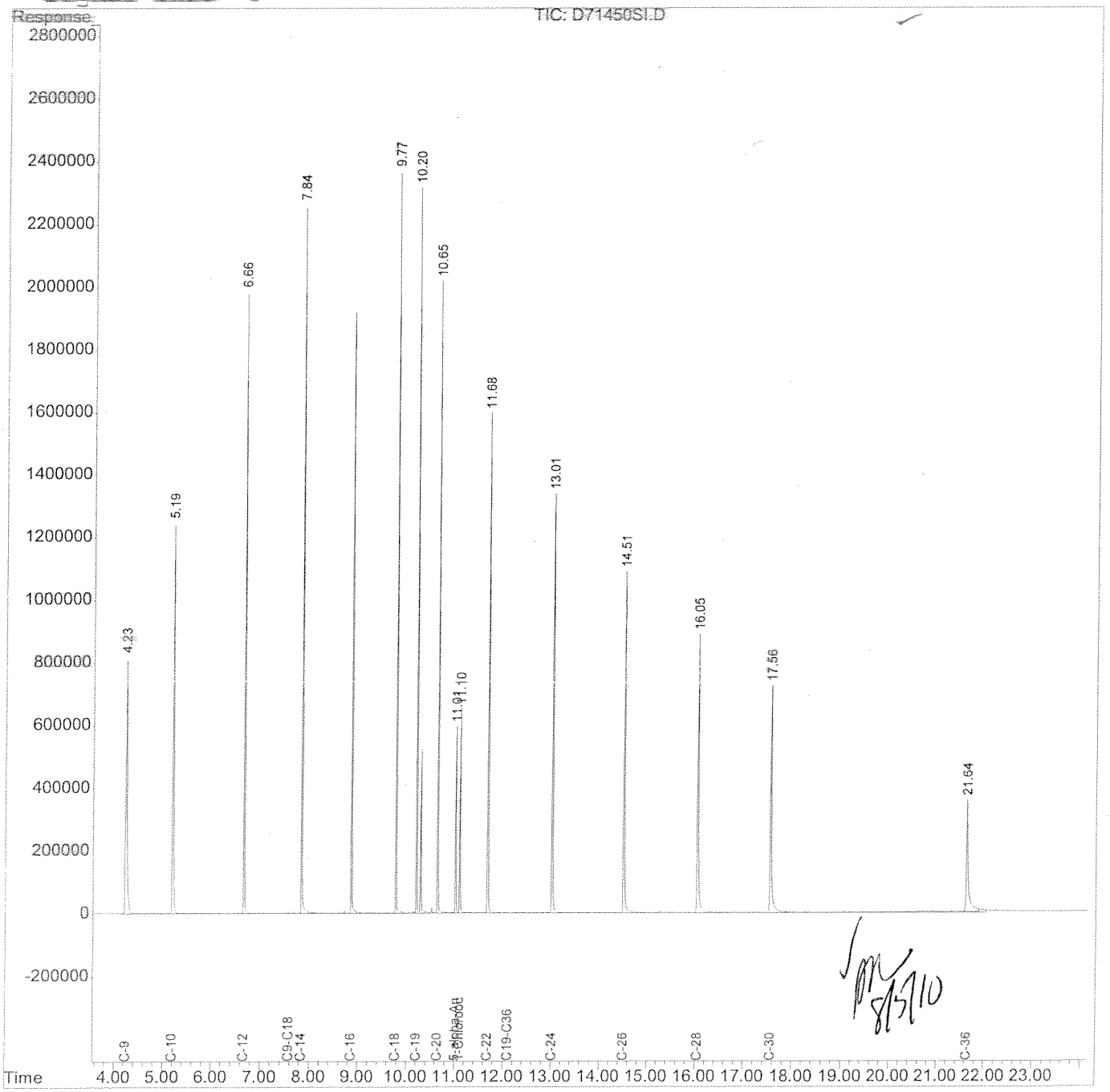
(f)=RT Delta > 1/2 Window (m)=manual int.
D71450SI.D ALG80410.M Thu Aug 05 08:19:52 2010 Page 1

Data File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D Vial: 5
Acq On : 5 Aug 2010 3:49 am Operator: AR/NP
Sample : S9936 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

NP 8/24/10

Volume Inj. :
Signal Phase :
Signal Info :



8/5/10

Data File : D:\HPCHEM\1\DATA\080410-D\D71451SI.D Vial: 6
Acq On : 5 Aug 2010 4:20 am Operator: AR/NP
Sample : S9704 ALI 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Vp080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6719901	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.11	8740750	21.196 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	105.98%
Target Compounds			
2) TZM C-9	4.23	21471611	51.457 ug/ml
3) TZM C-10	5.20	22257625	52.159 ug/ml
4) TZM C-12	6.66	23885748	52.122 ug/ml
5) TZM C-14	7.84	24969534	53.126 ug/ml
6) TZM C-16	8.86	23711711	52.264 ug/ml
7) TZM C-18	9.78	24100785	53.407 ug/ml
8) XH C9-C18	7.58	143898899	322.496 ug/ml
9) TZM C-19	10.21	23935439	53.622 ug/ml
10) TZM C-20	10.65	23417674	53.531 ug/ml
12) TZM C-22	11.69	22935371	52.923 ug/ml
13) TZM C-24	13.02	22630520	54.406 ug/ml
14) TZM C-26	14.51	20297682	52.684 ug/ml
15) TZM C-28	16.05	18730549	55.403 ug/ml
16) TZM C-30	17.56	17517785	57.553 ug/ml
17) TZM C-36	21.64	12428650	49.555 ug/ml
18) XH C19-C36	12.10	179826756	485.724 ug/ml

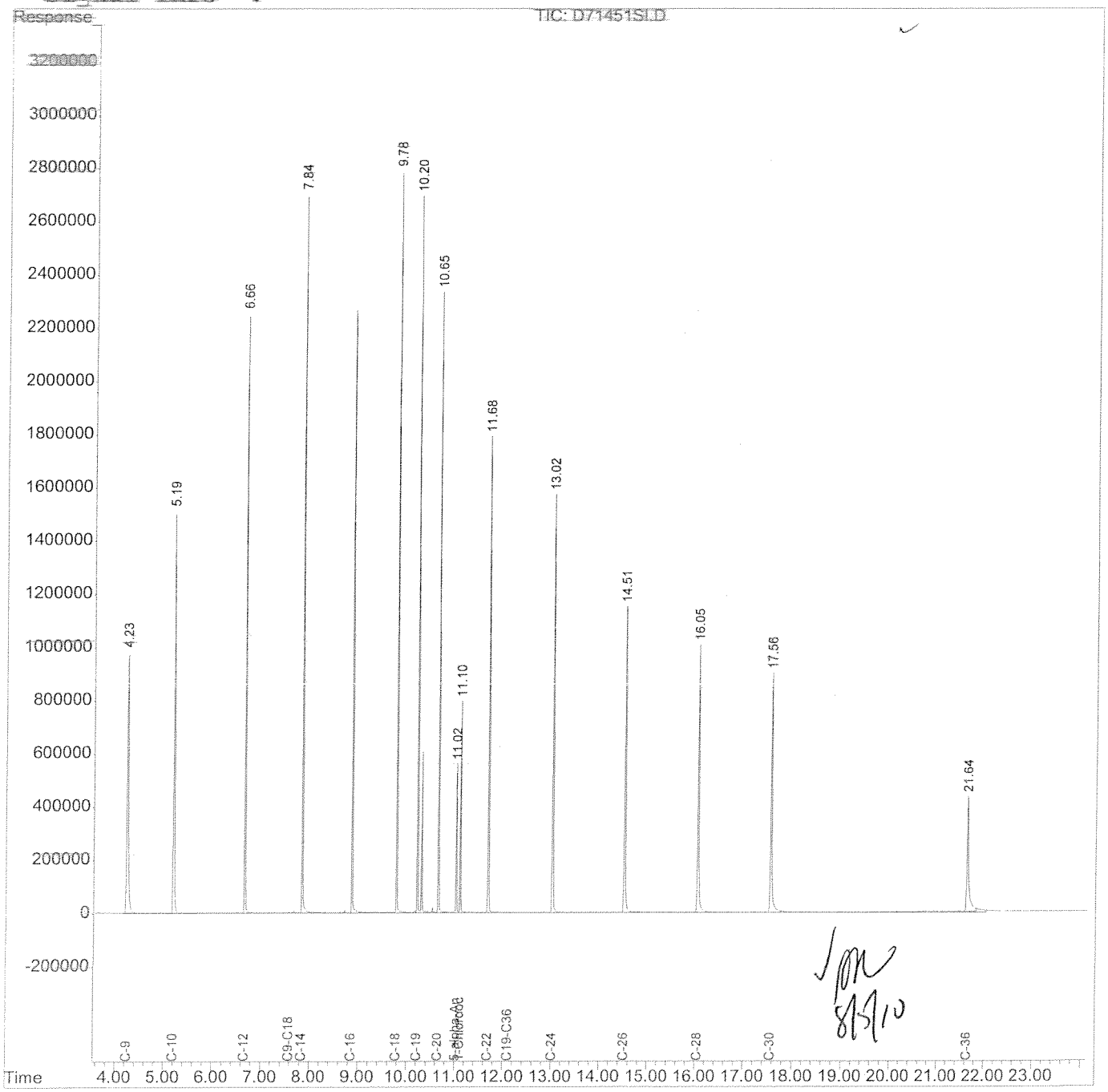
JM 8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71451SI.D Vial: 6
Acq On : 5 Aug 2010 4:20 am Operator: AR/NP
Sample : S9704 ALI 50 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



Data File : D:\HPCHEM\1\DATA\080410-D\D71452SI.D Vial: 7
Acq On : 5 Aug 2010 4:50 am Operator: AR/NP
Sample : S9705 ALI 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

ATP 80410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6944560	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.11	17886066	41.970 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	209.85%#
Target Compounds			
2) TZM C-9	4.24	44324733	102.789 ug/ml
3) TZM C-10	5.20	44561099	101.047 ug/ml
4) TZM C-12	6.67	48409664	102.219 ug/ml
5) TZM C-14	7.84	48952535	100.784 ug/ml
6) TZM C-16	8.87	47958211	102.288 ug/ml
7) TZM C-18	9.78	46158283	98.978 ug/ml
8) XH C9-C18	7.58	285737875	619.660 ug/ml
9) TZM C-19	10.21	45011659	97.577 ug/ml
10) TZM C-20	10.66	44684225	98.841 ug/ml
12) TZM C-22	11.69	44512571	99.390 ug/ml
13) TZM C-24	13.03	43429087	101.030 ug/ml
14) TZM C-26	14.52	39840863	100.065 ug/ml
15) TZM C-28	16.06	36863838	105.513 ug/ml
16) TZM C-30	17.57	33990751	108.060 ug/ml
17) TZM C-36	21.66	29861269	99.974 ug/ml
18) XH C19-C36	12.10	345902377	904.079 ug/ml

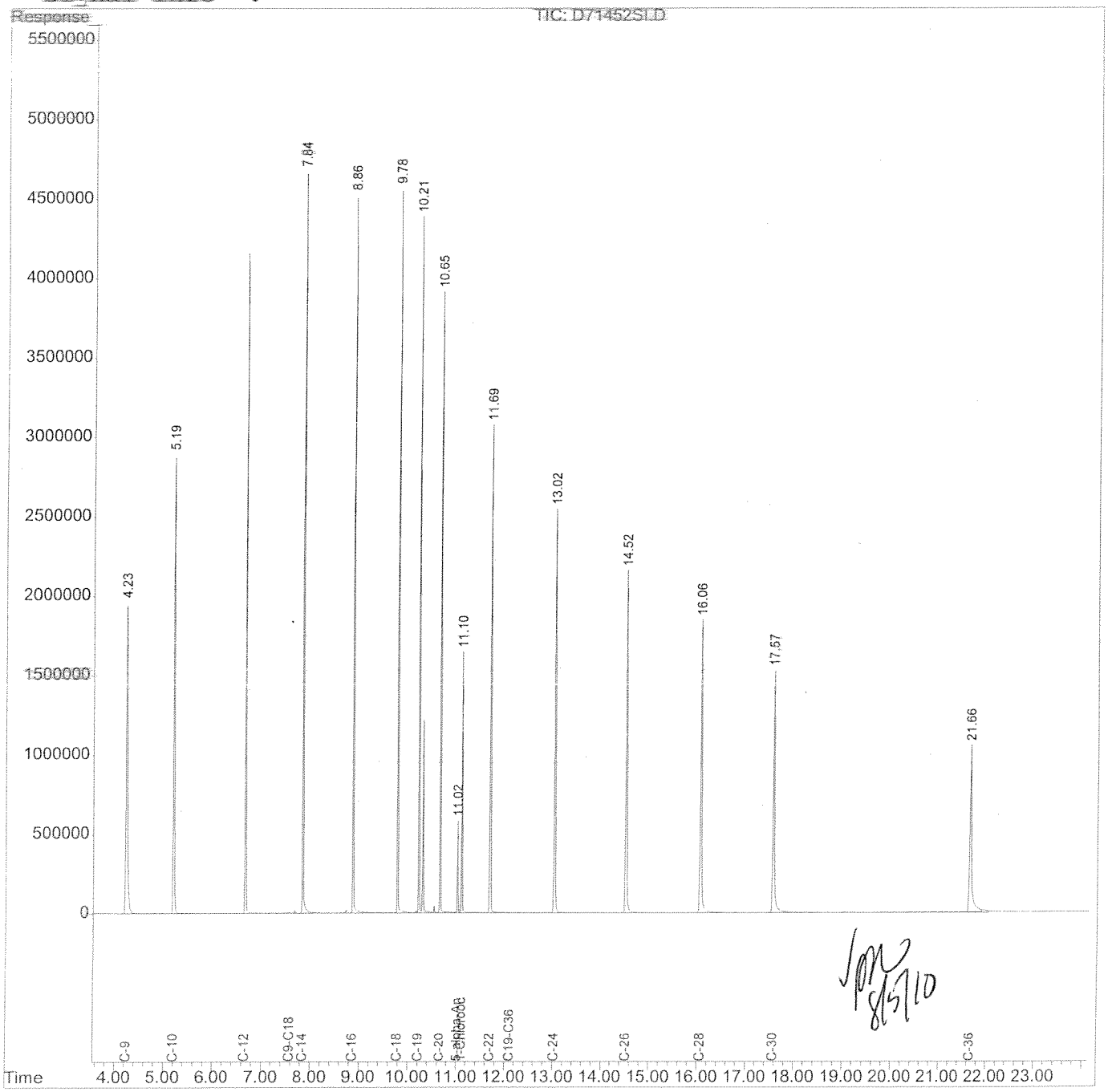
8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71452SI.D Vial: 7
Acq On : 5 Aug 2010 4:50 am Operator: AR/NP
Sample : S9705 ALI 100 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



GC ALIPHATIC
2ND SOURCE CHECK

Data File Name D71453.D
Sample Name S9715 ALI 20 ICV
Date Acquired 8/5/2010 5:21

MD 8040

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
C-9	20.65	20	103%	OK	20.65		
C-10	21.26	20	106%	OK	21.26		
C-12	22.50	20	113%	OK	22.50		
C-14	21.19	20	106%	OK	21.19		
C-16	21.45	20	107%	OK	21.45		
C-18	20.57	20	103%	OK	20.57		
C9-C18		120			**127.62**	106%	OK
C-19	20.54	20	103%	OK	20.54		
C-20	21.18	20	106%	OK	21.18		
C-22	21.05	20	105%	OK	21.05		
C-24	20.76	20	104%	OK	20.76		
C-26	20.40	20	102%	OK	20.40		
C-28	21.22	20	106%	OK	21.22		
C-30	20.68	20	103%	OK	20.68		
C-36	18.98	20	95%	OK	18.98		
C19-C36		160			**164.81**	103%	OK
1-Chlorooctadecane	19.20	20	96%	OK			

JM 8/5/10

8/5/10 8:18 AM

C:\HPCHEM\Custrpt\EPH PRCT CUSTRPT\ALGICVSUMPRCT.CRT

Data File : D:\HPCHEM\1\DATA\080410-D\D71453.D Vial: 8
Acq On : 5 Aug 2010 5:21 am Operator: AR/NP
Sample : S9715 ALI 20 ICV Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

NP 080410

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	11.02	6985246	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	11.10	8231904	19.204 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	96.02%
Target Compounds			
2) TZM C-9	4.22	8955604	20.647 ug/ml
3) TZM C-10	5.19	9430103	21.259 ug/ml
4) TZM C-12	6.66	10720219	22.504 ug/ml
5) TZM C-14	7.84	10353883	21.193 ug/ml
6) TZM C-16	8.86	10118153	21.455 ug/ml
7) TZM C-18	9.77	9647389	20.566 ug/ml
8) XH C9-C18	7.58	64711701	139.518 ug/ml
9) TZM C-19	10.20	9531821	20.543 ug/ml
10) TZM C-20	10.65	9632283	21.182 ug/ml
12) TZM C-22	11.68	9484344	21.054 ug/ml
13) TZM C-24	13.01	8975020	20.757 ug/ml
14) TZM C-26	14.51	8171275	20.404 ug/ml
15) TZM C-28	16.05	7456659	21.218 ug/ml
16) TZM C-30	17.55	6541762	20.676 ug/ml
17) TZM C-36	21.64	3973572	18.975 ug/ml
18) XH C19-C36	12.10	80336204	208.750 ug/ml

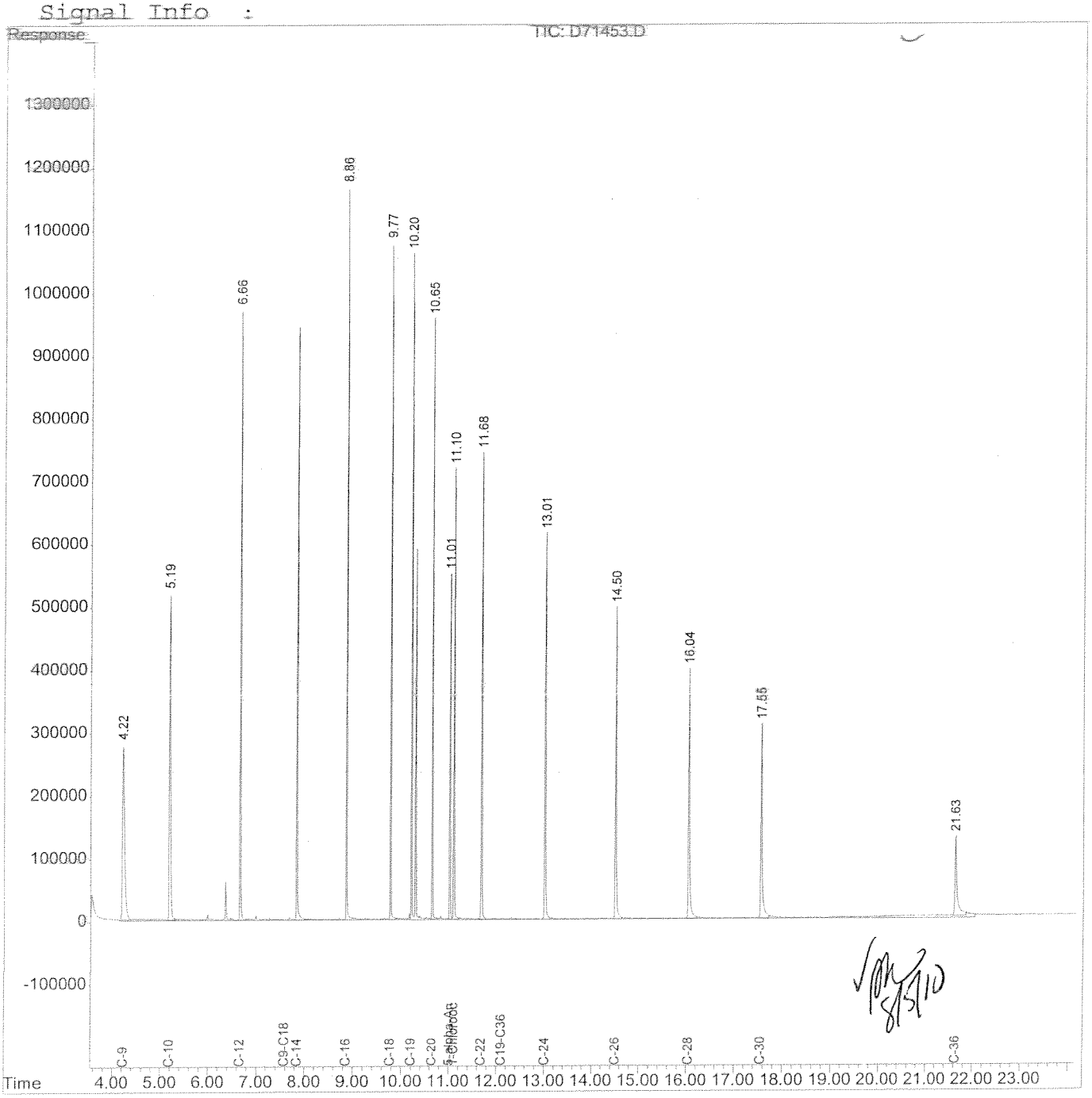
8/5/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\080410-D\D71453.D Vial: 8
Acq On : 5 Aug 2010 5:21 am Operator: AR/NP
Sample : S9715 ALI 20 ICV Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Aug 5 8:19 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Thu Aug 05 08:17:35 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



D71453.D ALG80410.M Thu Aug 05 08:19:59 2010 Page 2

Method Path : C:\msdchem\1\METHODS\
Method File : ARM092110.M
Title : EPH MS AROMATICS
Last Update : Wed Sep 22 03:42:32 2010
Response Via : Initial Calibration

AL 9/22/10

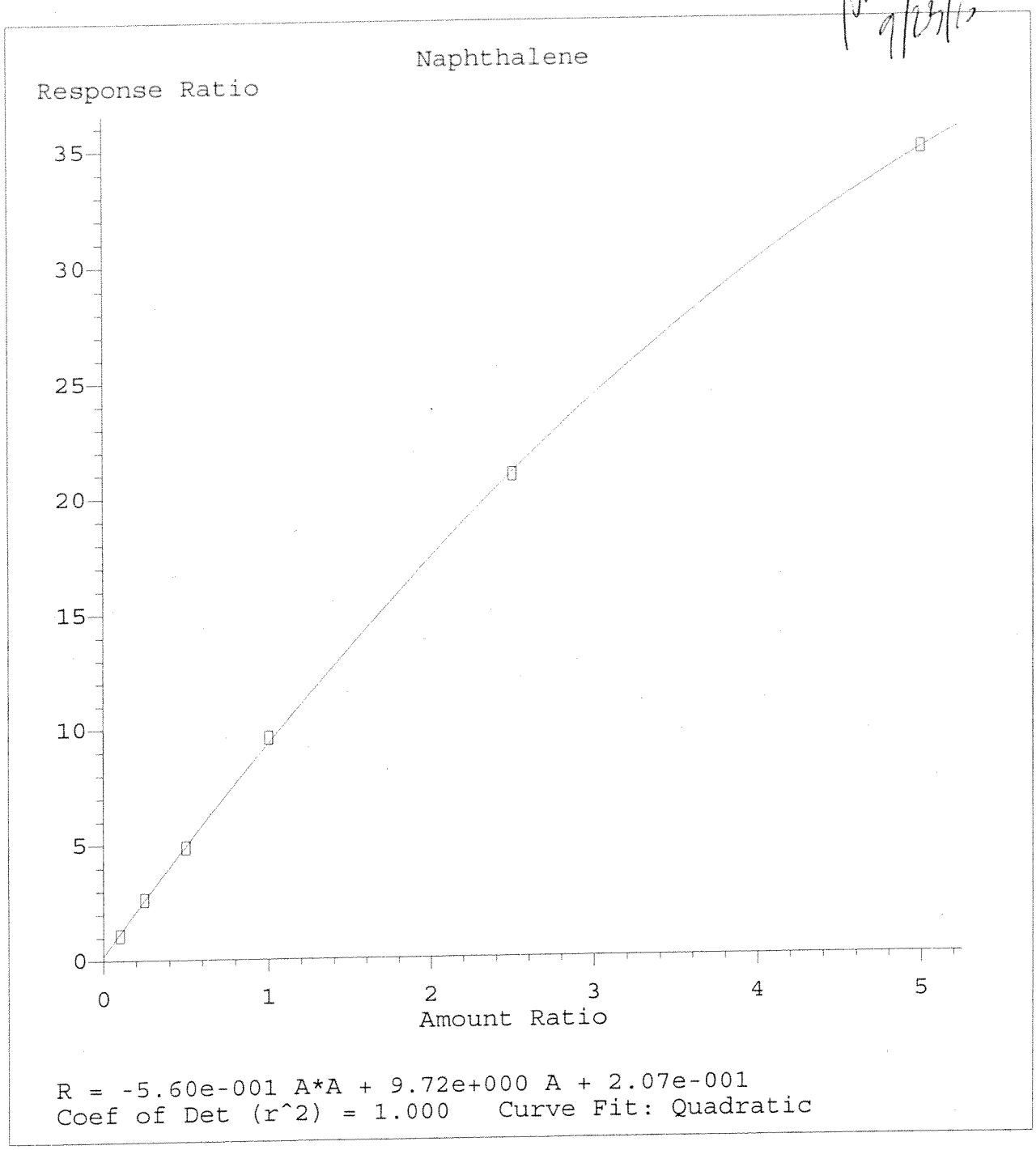
Calibration Files
2 =J35922SI.D 5 =J35923SI.D 10 =J35924SI.D 20 =J35925SI.D
50 =J35926SI.D 100 =J35927SI.D

		Compound	2	5	10	20	50	100	Avg		%RSD
1)	I	5-alpha-Androstane	----------	----------	----------	ISTD	----------	----------			
2)	TM	Naphthalene	1.078	1.052	0.973	0.960	0.835	0.697	0.932	E1	15.38
3)	TM	2-Methylnaphth...	6.259	5.925	5.422	5.362	4.575	3.830	5.229		17.08
4)	TM	Acenaphthylene	1.150	1.143	1.057	1.036	0.897	0.757	1.007	E1	15.19
5)	TM	Acenaphthene	6.505	6.218	5.722	5.603	4.829	3.988	5.477		16.97
6)	TM	Fluorene	8.263	7.856	7.458	7.263	6.141	5.208	7.031		16.28
7)	TM	Phenanthrene	1.156	1.163	1.086	1.045	0.891	0.742	1.014	E1	16.34
8)	TM	Anthracene	1.213	1.166	1.087	1.043	0.879	0.737	1.021	E1	17.71
9)	S	2-Fluorobiphenyl	8.587	8.314	7.842	7.733	6.949	5.967	7.565		12.74
10)	S	2-Bromonaphtha...	3.897	3.801	3.556	3.480	3.220	2.807	3.460		11.57
11)	S	o-terphenyl	6.812	6.639	6.306	6.054	5.591	4.946	6.058		11.49
12)	TM	Fluoranthene	1.350	1.270	1.226	1.164	0.957	0.833	1.133	E1	17.47
13)	TM	Pyrene	1.399	1.320	1.266	1.203	1.017	0.878	1.180	E1	16.66
14)	TM	Benzo[a]anthra...	1.065	1.043	1.003	0.968	0.865	0.793	0.956	E1	11.13
15)	TM	Chrysene	1.090	1.044	0.988	0.934	0.828	0.726	0.935	E1	14.65
16)	TM	Benzo[b] fluor...	8.919	8.719	8.495	8.623	7.987	7.653	8.399		5.73
17)	TM	Benzo[k] fluor...	9.731	9.088	8.920	8.240	7.343	6.574	8.316		14.18
18)	TM	Benzo[a] pyrene	8.722	8.531	8.291	8.163	7.362	6.972	8.007		8.61
19)	TM	Indeno [1,2,3-...	6.646	6.585	6.314	6.456	6.362	6.218	6.430		2.55
20)	TM	Dibenz [a,h] a...	6.509	5.989	6.262	6.305	6.286	5.567	6.153		5.39
21)	TM	Benzo(g,h,i) ...	7.605	7.496	7.111	6.965	6.752	5.797	6.954		9.37
22)		c11-c22							0.000#		-1.00

(#) = Out of Range

J92210

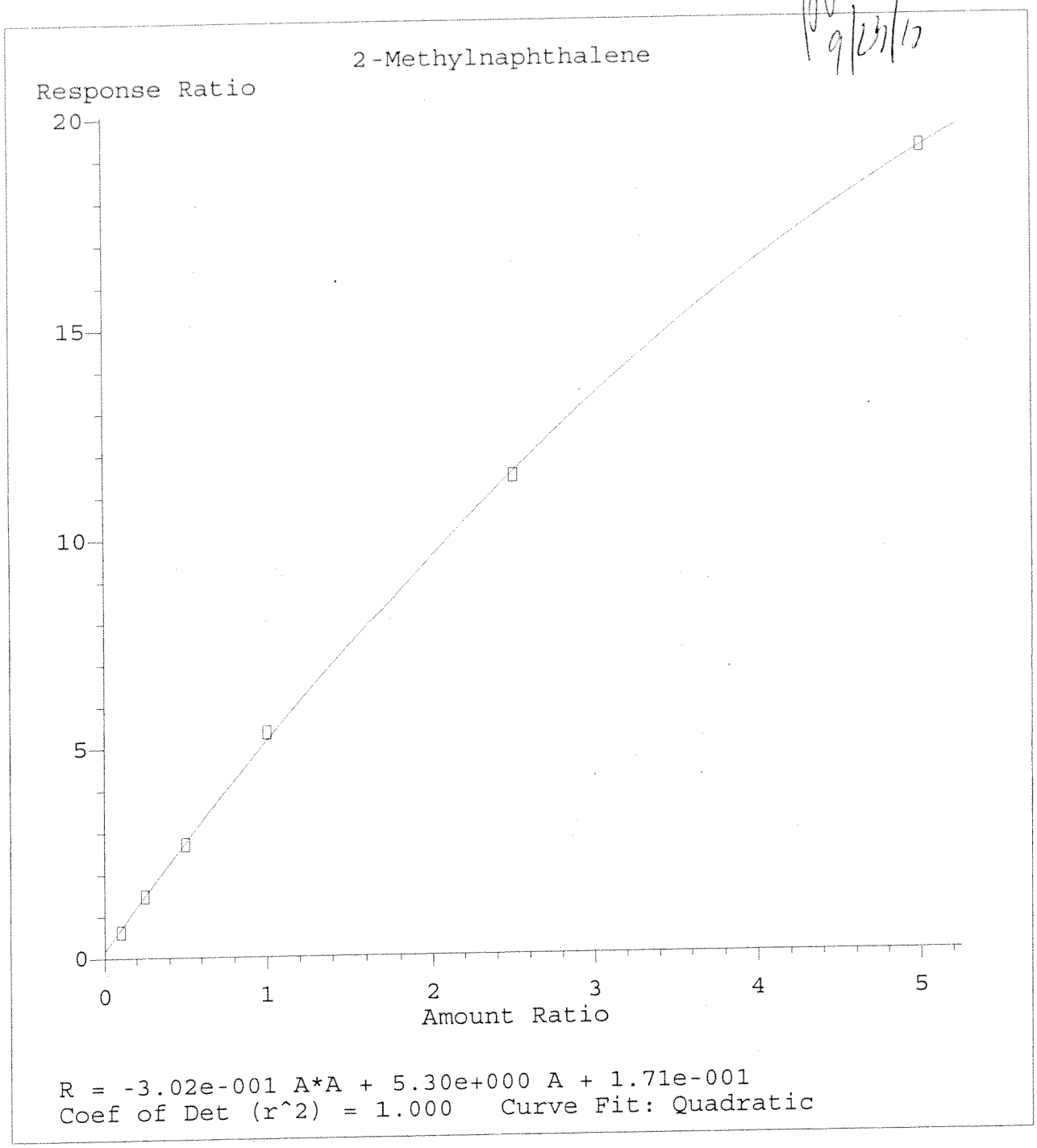
9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:26 2010

JY 9-23-10

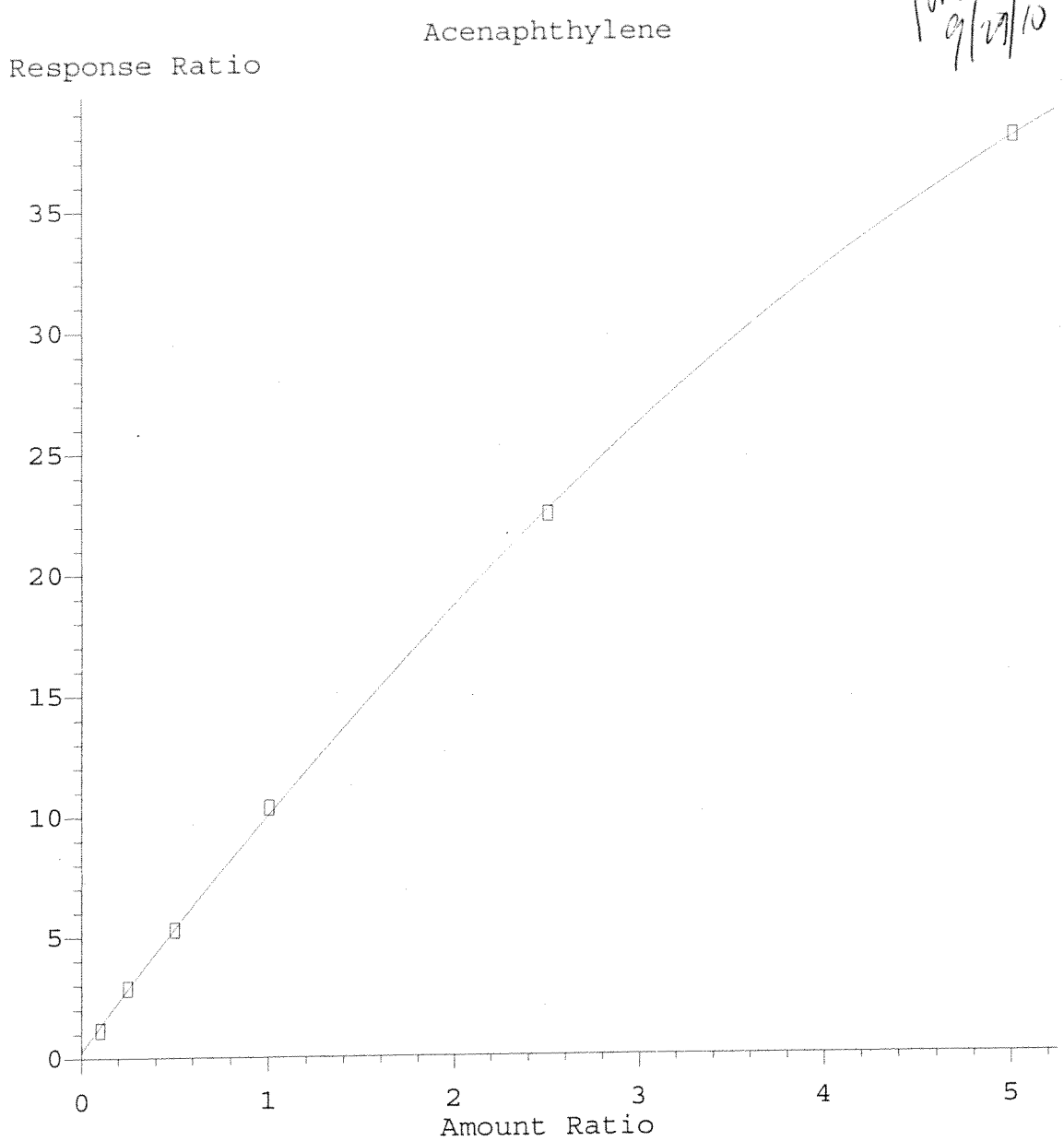
9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:45 2010

J92310

9/27/10

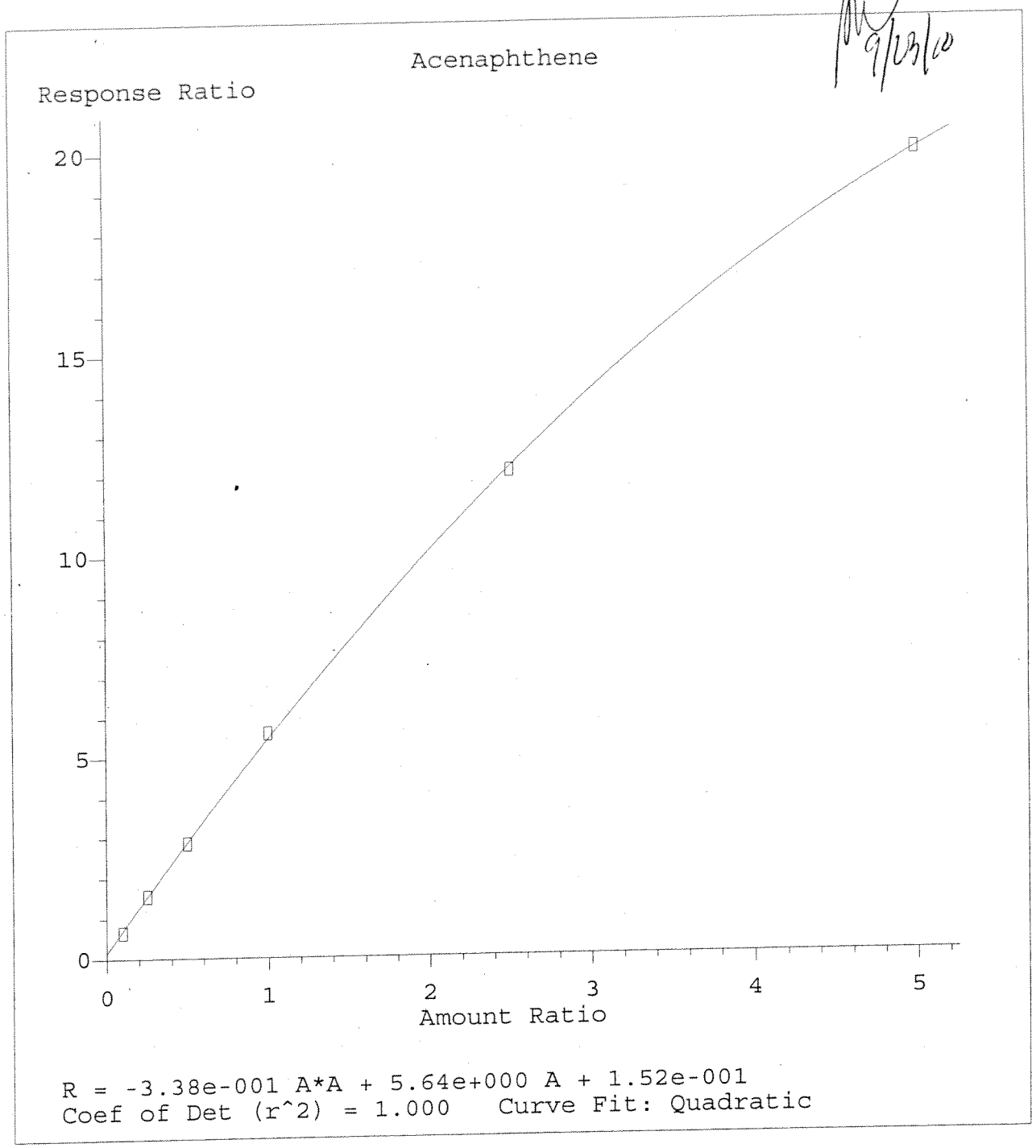


R = -5.66e-001 A*A + 1.03e+001 A + 2.82e-001
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

092310

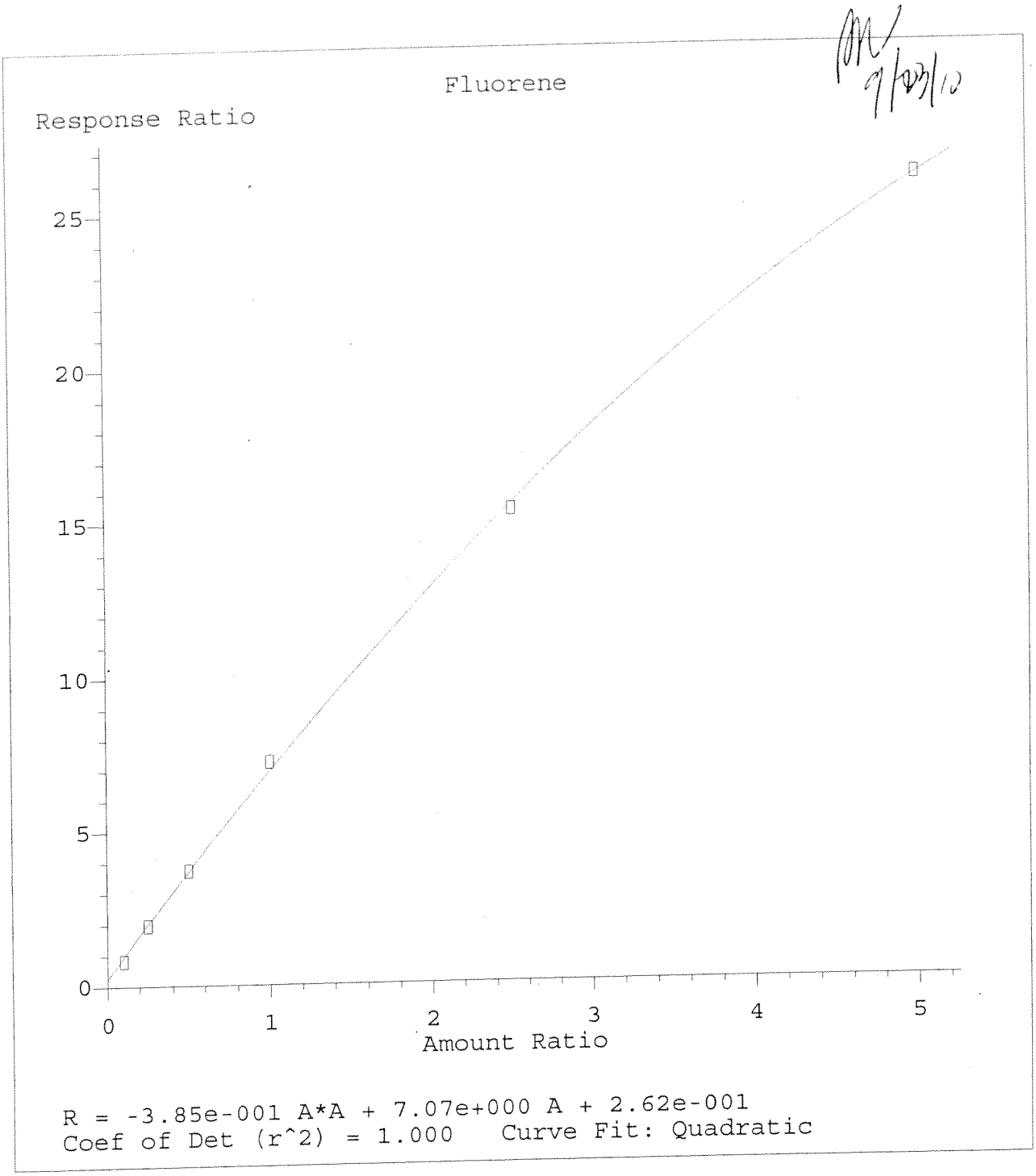
Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:51 2010

9/23/10



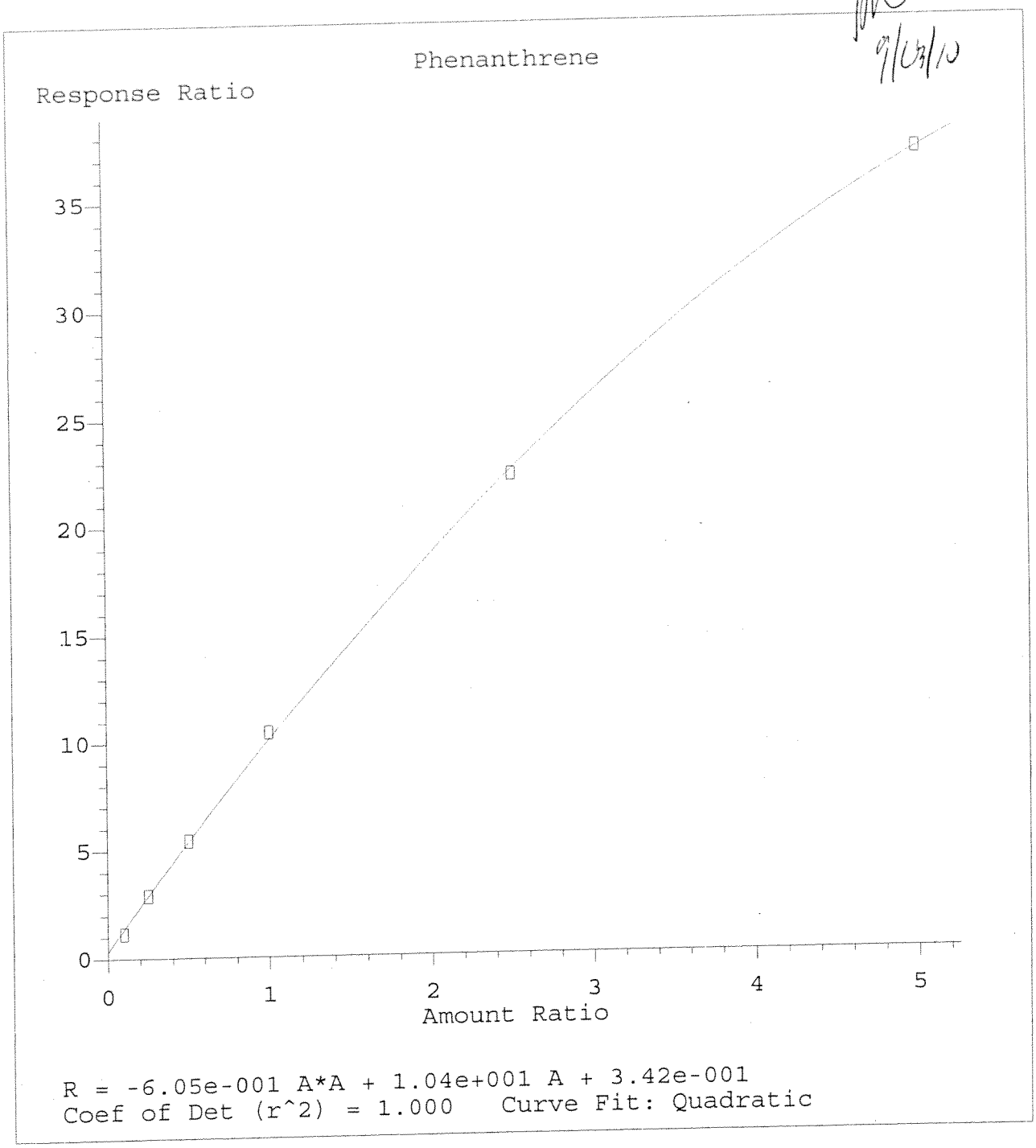
Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:41:57 2010

JY-23W



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:02 2010

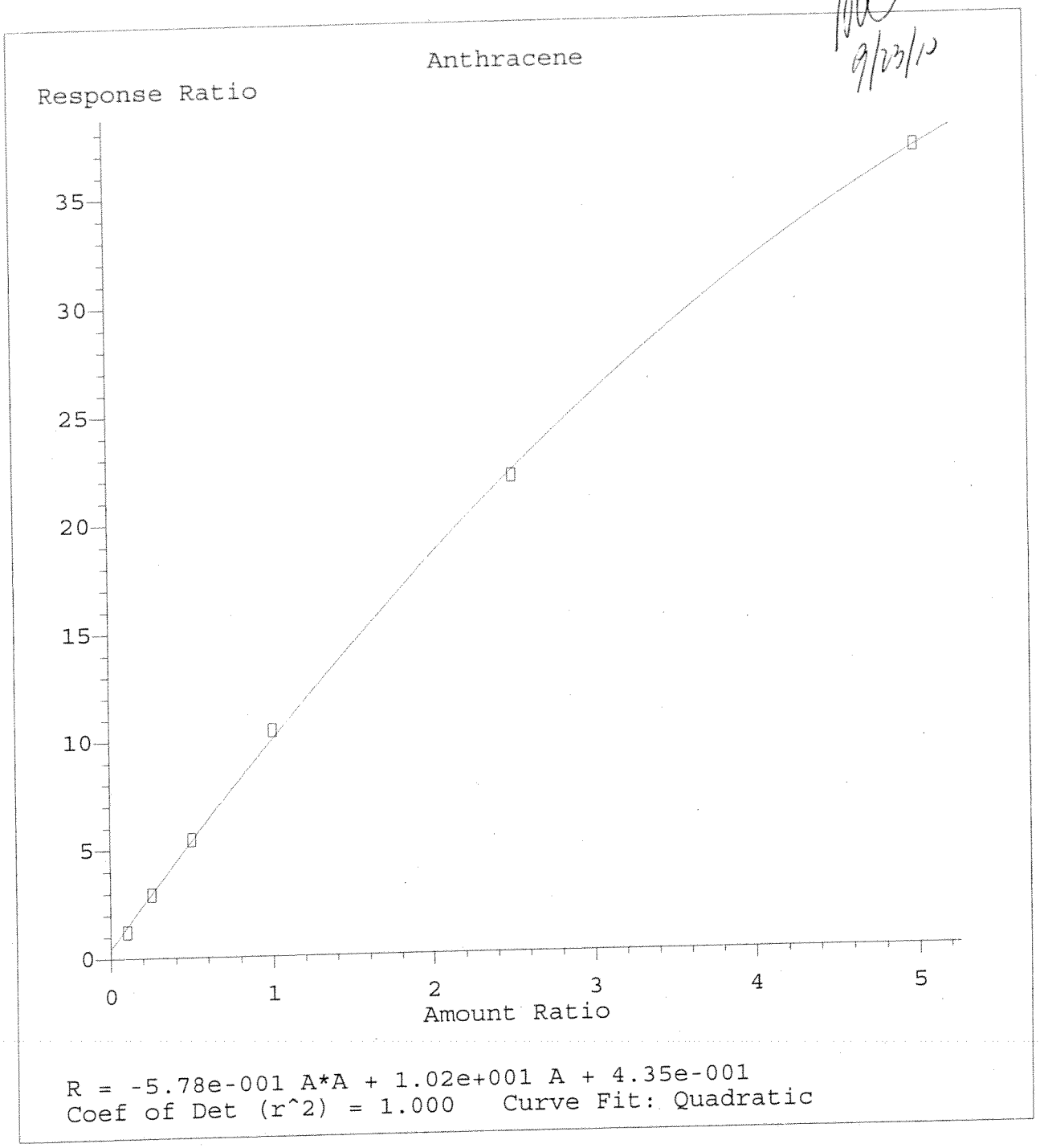
9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:07 2010

092310

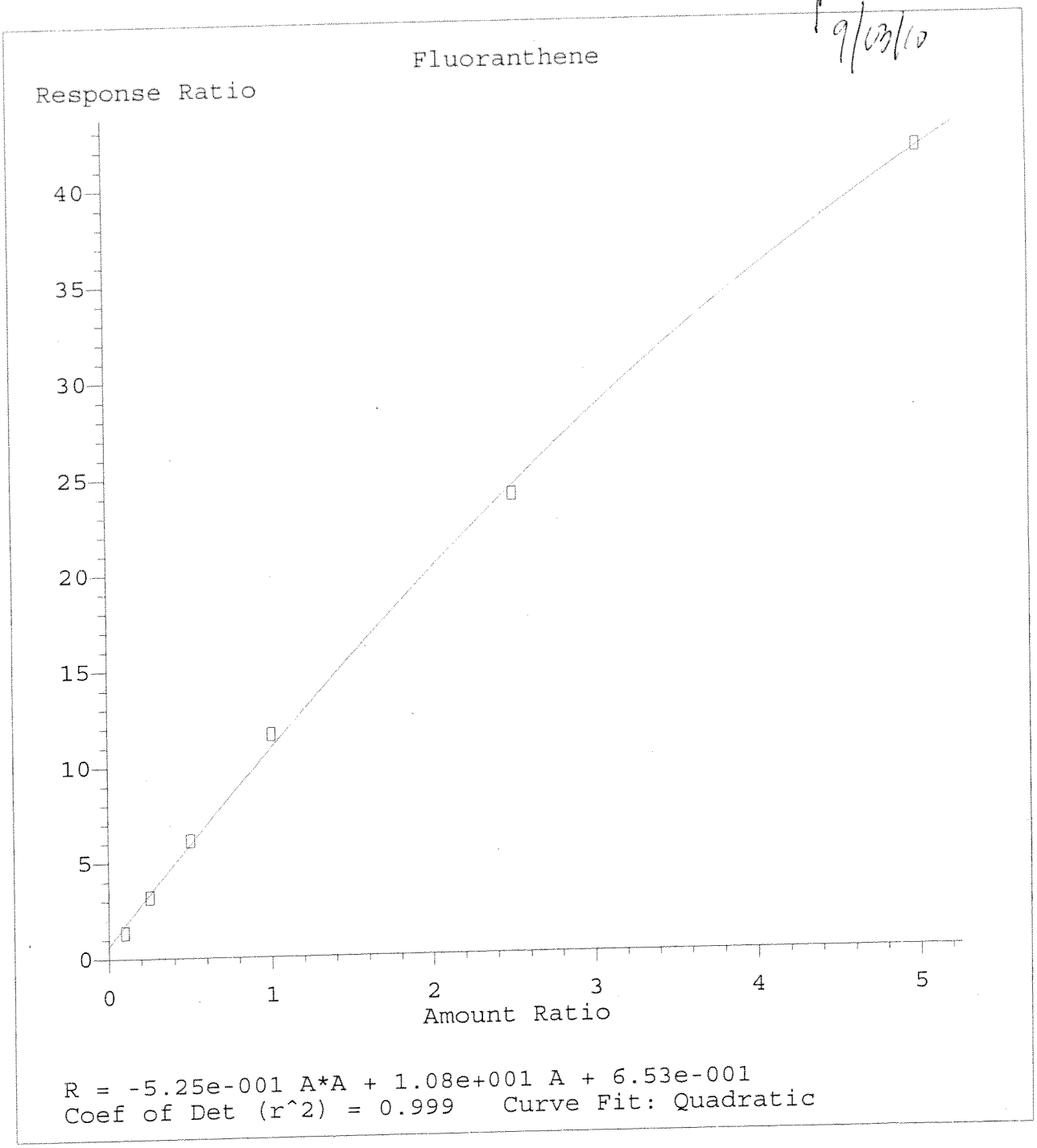
ME 9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:13 2010

S9230

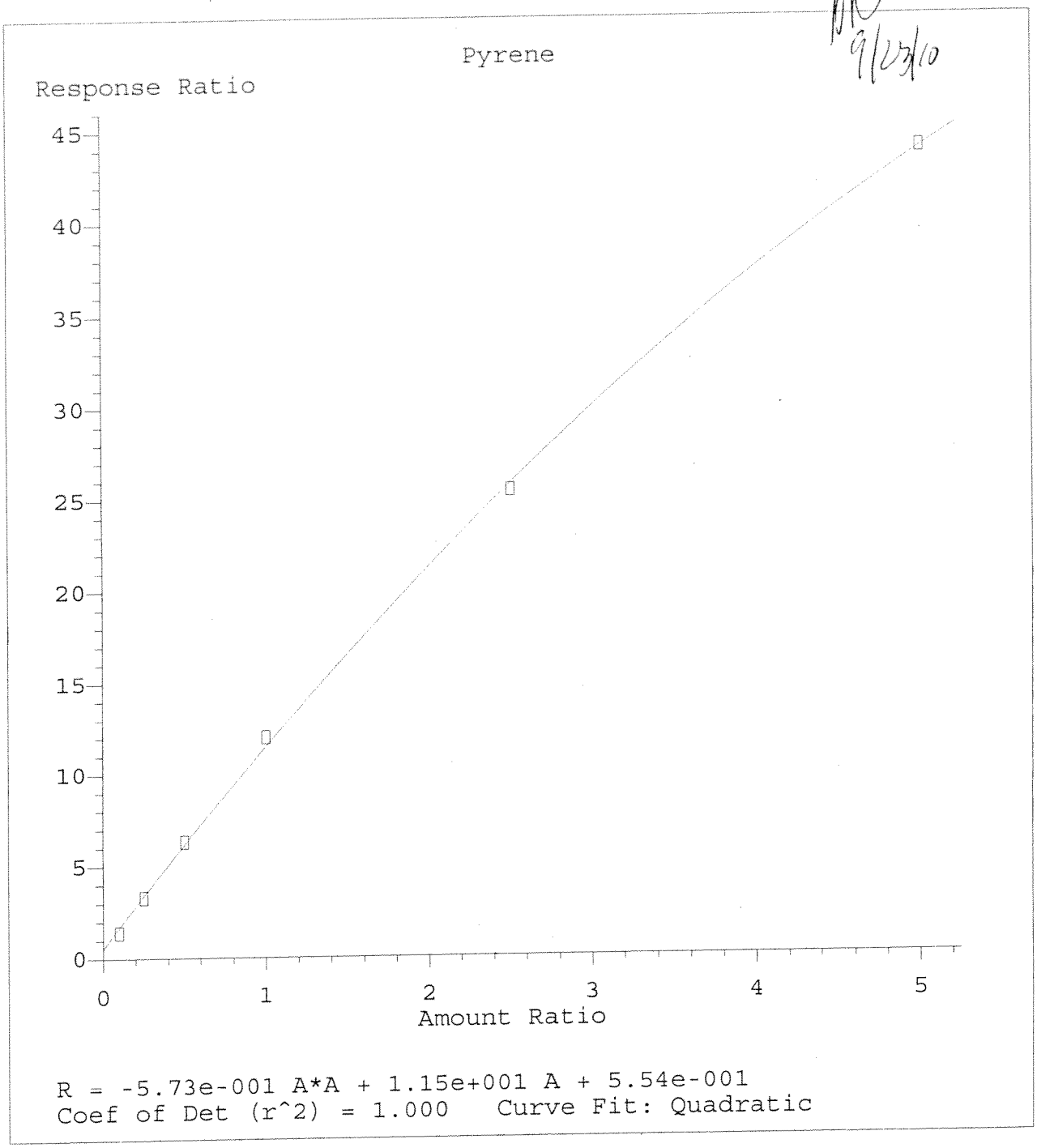
9/03/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:19 2010

J923W

9/23/10



Method Name: C:\msdchem\1\METHODS\ARM092110.M
Calibration Table Last Updated: Wed Sep 22 03:42:27 2010

09-23-10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35922SI.D
Acq On : 22 Sep 2010 1:27 am
Operator : AR/MG
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 22 03:32:42 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

AN 9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	7.966	95	102821	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	5.434	172	52974	1.51	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 7.55%#			
10) 2-Bromonaphthalene	5.962	206	24041	1.47	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 7.35%#			
11) o-terphenyl	7.479	230	28016	0.89	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 4.45%#			
Target Compounds						Qvalue
2) Naphthalene	4.562	128	110809	2.74	ug/ml	99
3) 2-Methylnaphthalene	5.131	141	64357	2.72	ug/ml	98
4) Acenaphthylene	5.849	152	118234	2.63	ug/ml	99
5) Acenaphthene	5.992	154	66884	2.59	ug/ml	97
6) Fluorene	6.407	166	84960	2.54	ug/ml	99
7) Phenanthrene	7.174	178	118890	2.44	ug/ml	99
8) Anthracene	7.217	178	124693	2.50	ug/ml	99
12) Fluoranthene	8.130	202	138796	2.40	ug/ml	99
13) Pyrene	8.327	202	143809	2.40	ug/ml	98
14) Benzo[a]anthracene	9.601	228	109503	2.19	ug/ml	99
15) Chrysene	9.645	228	112106	2.17	ug/ml	100
16) Benzo[b] fluoranthene	11.098	252	91711	2.15	ug/ml	97
17) Benzo[k] fluoranthene	11.139	252	100056	2.17	ug/ml	97
18) Benzo[a] pyrene	11.583	252	89677	2.12	ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.332	276	68330	2.16	ug/ml	98
20) Dibenz [a,h] anthracene	13.395	278	66931	2.15	ug/ml	99
21) Benzo(g,h,i) perylene	13.728	276	78199	2.07	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

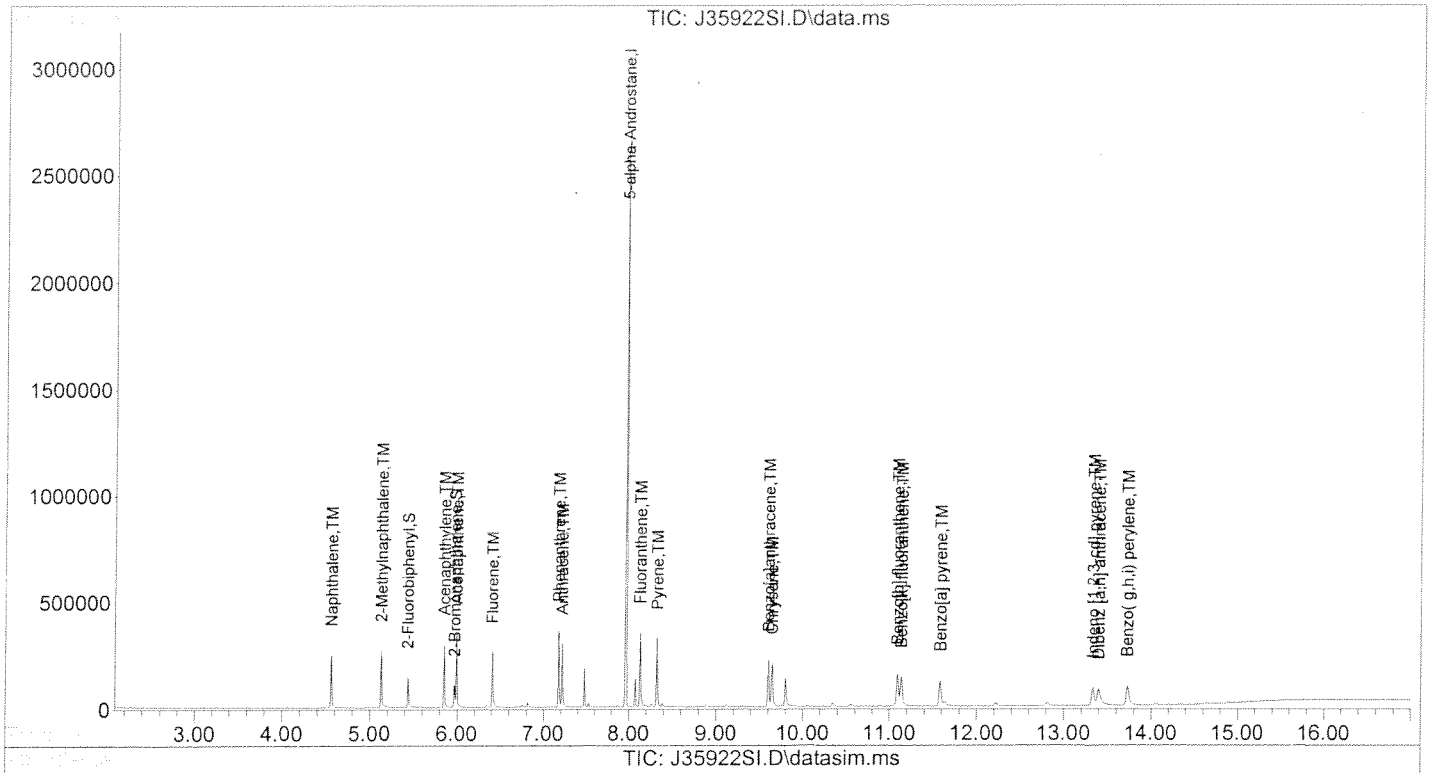
S92310

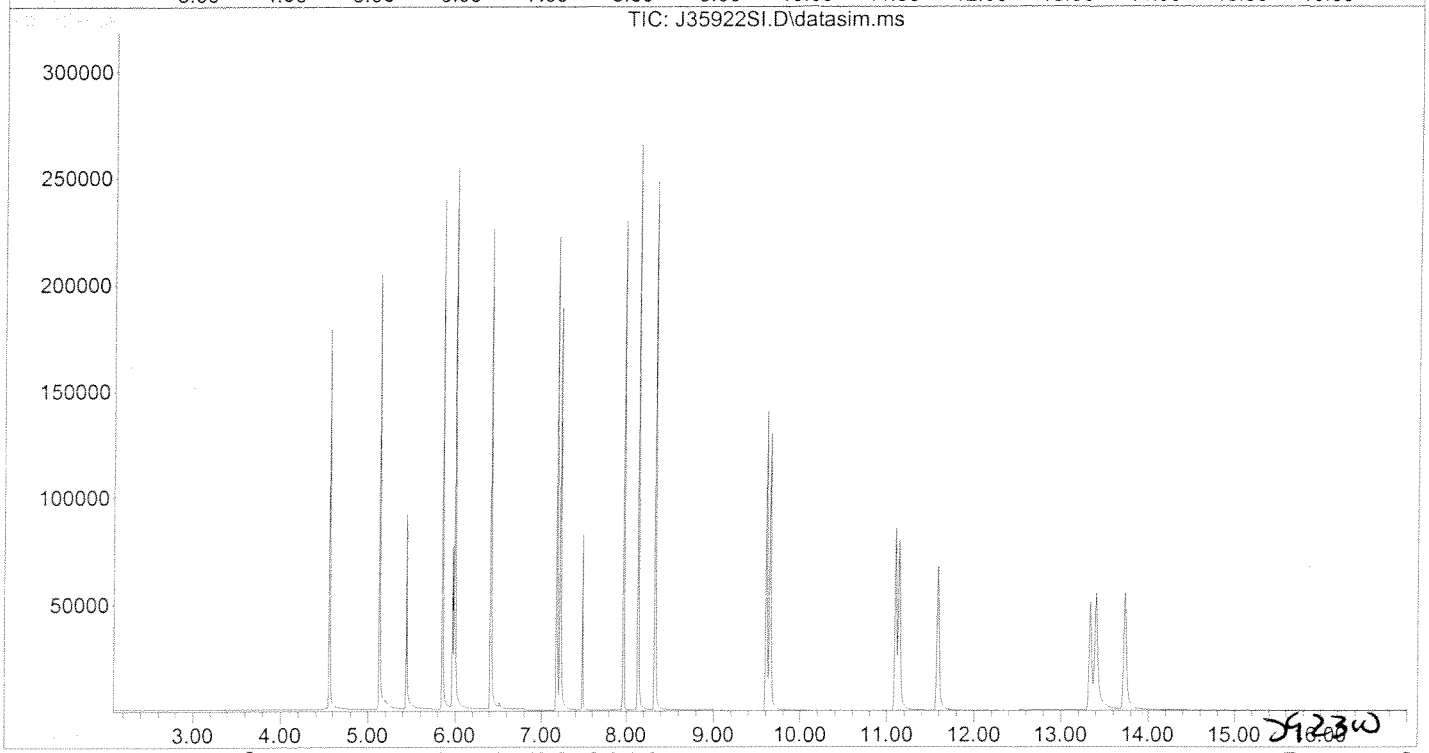
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35922SI.D
Acq On : 22 Sep 2010 1:27 am
Operator : AR/MG
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 22 03:32:42 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MK 9/23/10





9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35923SI.D
Acq On : 22 Sep 2010 1:50 am
Operator : AR/MG
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 22 03:32:43 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	106433	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	5.434	172	132727	3.66	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	=	18.30%#	
10) 2-Bromonaphthalene	5.962	206	60679	3.57	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	=	17.85%#	
11) o-terphenyl	7.480	230	70660	2.18	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	=	10.90%#	
Target Compounds						Qvalue
2) Naphthalene	4.561	128	280012	6.70	ug/ml	99
3) 2-Methylnaphthalene	5.131	141	157641	6.44	ug/ml	99
4) Acenaphthylene	5.849	152	304091	6.52	ug/ml	100
5) Acenaphthene	5.991	154	165448	6.20	ug/ml	97
6) Fluorene	6.407	166	209039	6.04	ug/ml	98
7) Phenanthrene	7.175	178	309328	6.13	ug/ml	100
8) Anthracene	7.218	178	310241	6.02	ug/ml	99
12) Fluoranthene	8.131	202	337945	5.64	ug/ml	99
13) Pyrene	8.323	202	351219	5.66	ug/ml	99
14) Benzo[a]anthracene	9.602	228	277620	5.38	ug/ml	98
15) Chrysene	9.646	228	277700	5.20	ug/ml	98
16) Benzo[b] fluoranthene	11.099	252	231998	5.26	ug/ml	98
17) Benzo[k] fluoranthene	11.140	252	241808	5.07	ug/ml	97
18) Benzo[a] pyrene	11.584	252	226990	5.19	ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.333	276	175218	5.34	ug/ml	98
20) Dibenz [a,h] anthracene	13.397	278	159356	4.94	ug/ml	98
21) Benzo(g,h,i) perylene	13.730	276	199448	5.09	ug/ml	99

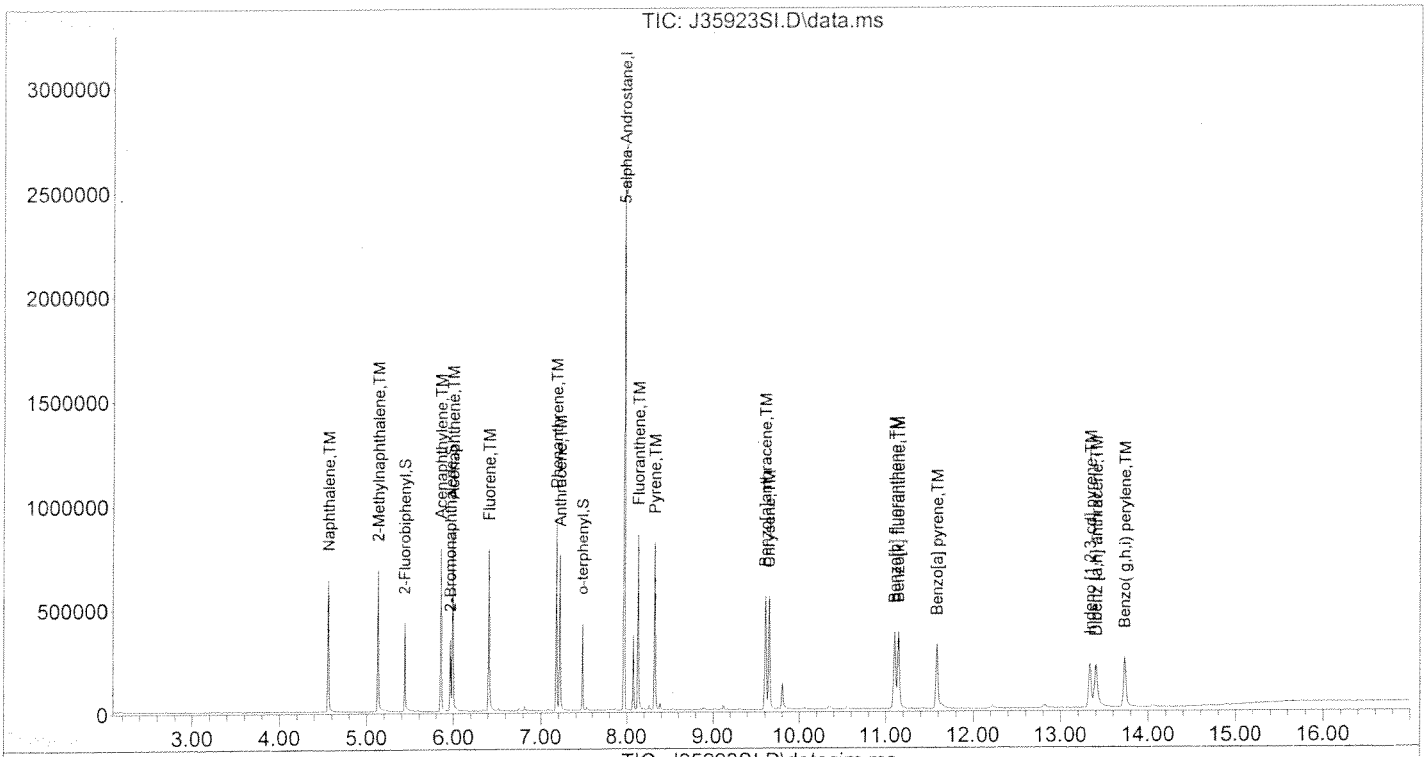
(#) = qualifier out of range (m) = manual integration (+) = signals summed

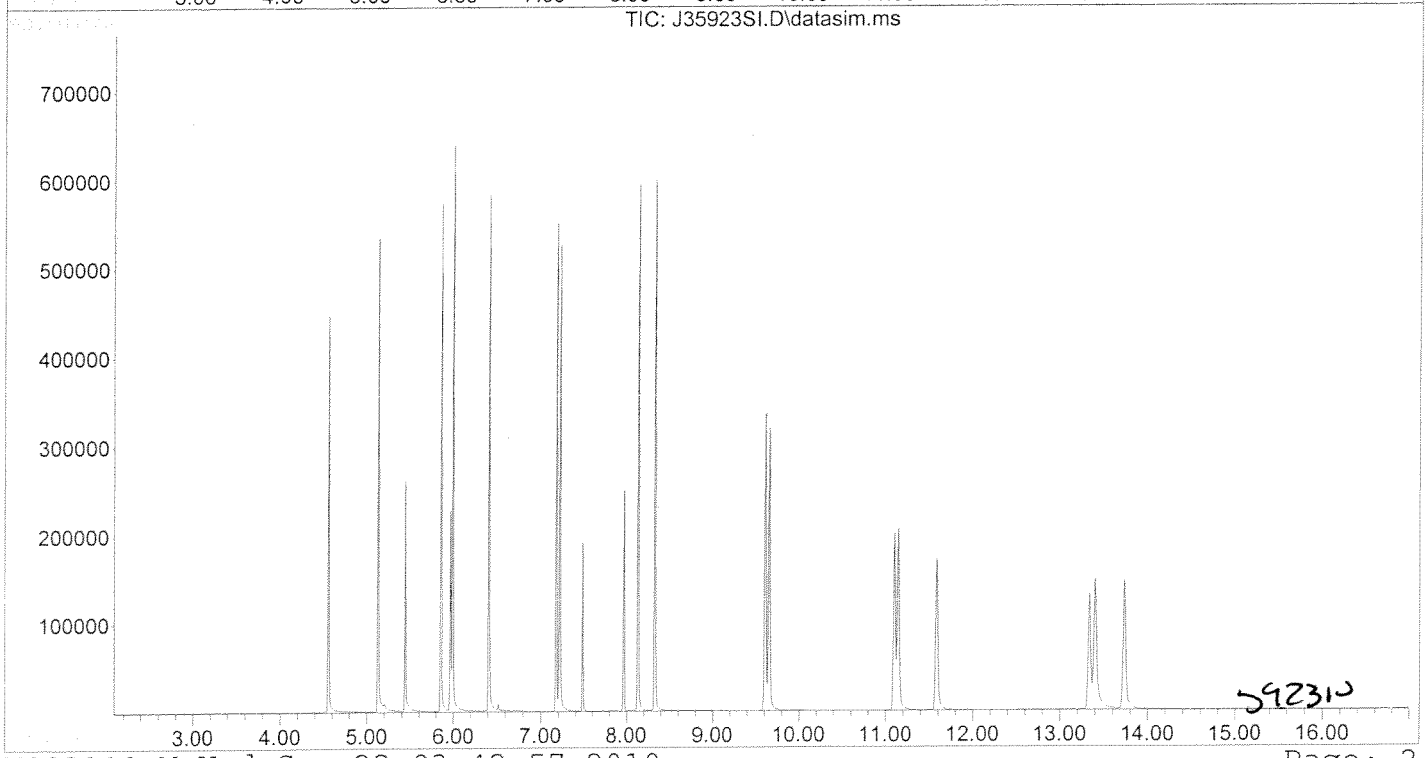
S92310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35923SI.D
Acq On : 22 Sep 2010 1:50 am
Operator : AR/MG
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 22 03:32:43 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35924SI.D
Acq On : 22 Sep 2010 2:13 am
Operator : AR/MG
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 22 03:32:44 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

AW 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	108670	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	255643	6.91 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 34.55%#	
10) 2-Bromonaphthalene	5.962	206	115921	6.69 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 33.45%#	
11) o-terphenyl	7.480	230	137056	4.14 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery	= 20.70%#	
Target Compounds					Qvalue
2) Naphthalene	4.561	128	528517	12.38 ug/ml	99
3) 2-Methylnaphthalene	5.131	141	294618	11.79 ug/ml	97
4) Acenaphthylene	5.849	152	574518	12.07 ug/ml	99
5) Acenaphthene	5.991	154	310916	11.40 ug/ml	98
6) Fluorene	6.406	166	405214	11.46 ug/ml	99
7) Phenanthrene	7.175	178	589829	11.45 ug/ml	100
8) Anthracene	7.217	178	590595	11.22 ug/ml	99
12) Fluoranthene	8.131	202	666047	10.89 ug/ml	100
13) Pyrene	8.328	202	688042	10.85 ug/ml	99
14) Benzo[a]anthracene	9.606	228	544956	10.33 ug/ml	98
15) Chrysene	9.650	228	536950	9.84 ug/ml	99
16) Benzo[b] fluoranthene	11.102	252	461568	10.25 ug/ml	98
17) Benzo[k] fluoranthene	11.146	252	484662	9.95 ug/ml	97
18) Benzo[a] pyrene	11.588	252	450473	10.09 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.341	276	343066	10.25 ug/ml	99
20) Dibenz [a,h] anthracene	13.404	278	340247	10.32 ug/ml	100
21) Benzo(g,h,i) perylene	13.737	276	386386	9.65 ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

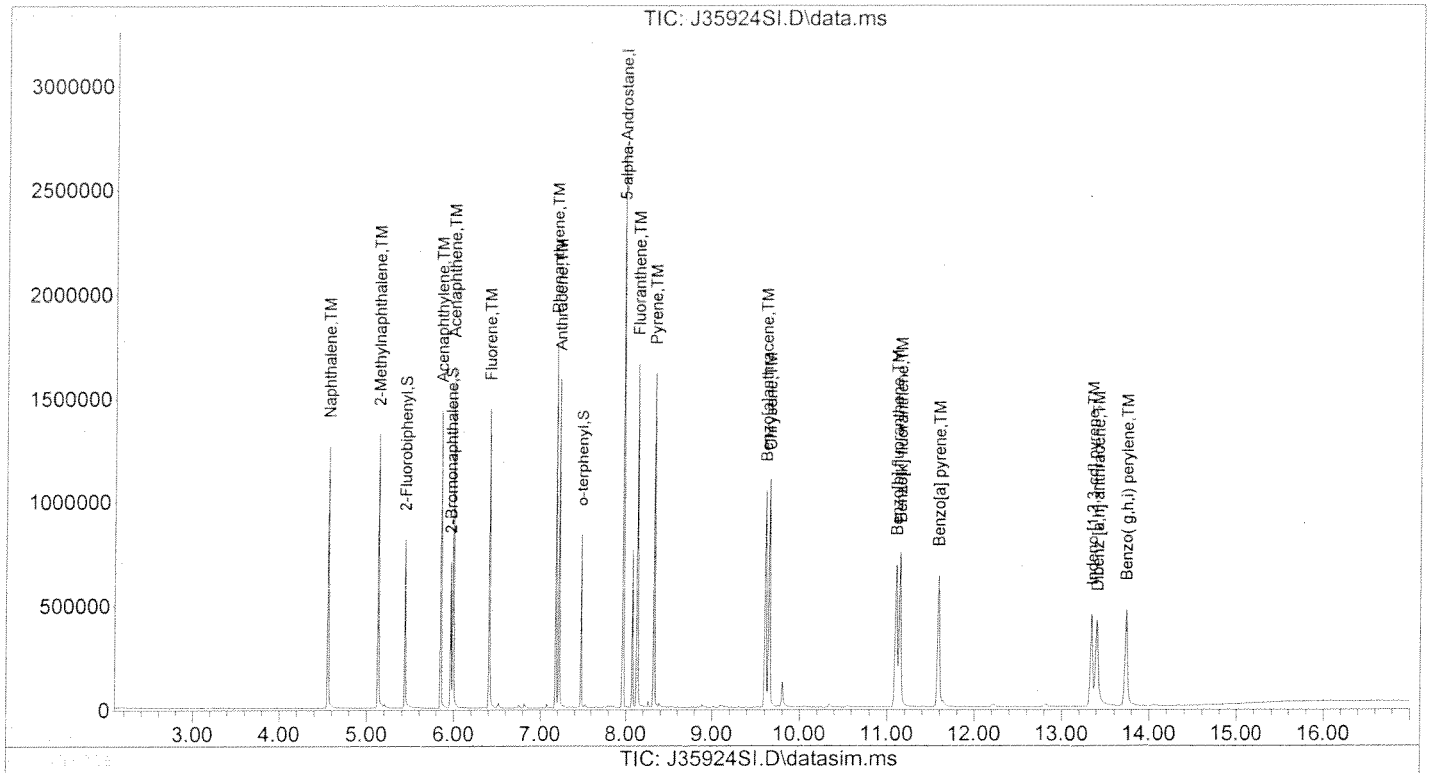
J92310

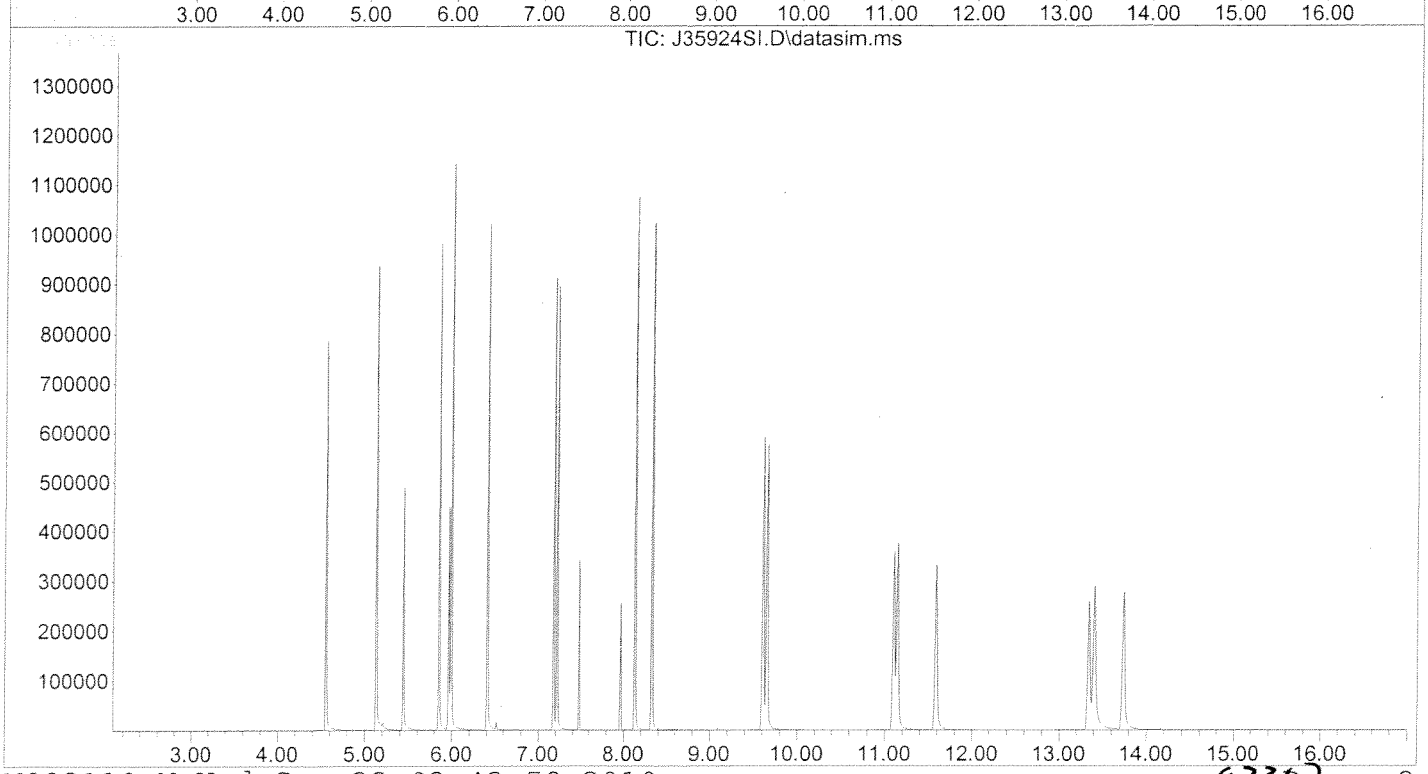
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35924SI.D
Acq On : 22 Sep 2010 2:13 am
Operator : AR/MG
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 22 03:32:44 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10





J923R2

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35925SI.D
Acq On : 22 Sep 2010 2:36 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 22 03:32:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	102381	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	475001	13.62 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 68.10%		
10) 2-Bromonaphthalene	5.967	206	213760	13.09 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 65.45%		
11) o-terphenyl	7.480	230	247910	7.94 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 39.70%#		
Target Compounds					Qvalue
2) Naphthalene	4.561	128	982927	24.45 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	548934	23.32 ug/ml	99
4) Acenaphthylene	5.855	152	1060858	23.66 ug/ml	100
5) Acenaphthene	5.997	154	573620	22.33 ug/ml	99
6) Fluorene	6.412	166	743612	22.32 ug/ml	99
7) Phenanthrene	7.175	178	1069511	22.05 ug/ml	100
8) Anthracene	7.217	178	1068096	21.53 ug/ml	100
12) Fluoranthene	8.136	202	1191844	20.69 ug/ml	100
13) Pyrene	8.328	202	1231353	20.61 ug/ml	100
14) Benzo[a]anthracene	9.609	228	990938	19.95 ug/ml	98
15) Chrysene	9.656	228	956654	18.61 ug/ml	100
16) Benzo[b] fluoranthene	11.109	252	882842	20.82 ug/ml	100
17) Benzo[k] fluoranthene	11.157	252	843611	18.38 ug/ml	99
18) Benzo[a] pyrene	11.598	252	835730	19.87 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.352	276	660989	20.95 ug/ml	99
20) Dibenz [a,h] anthracene	13.416	278	645528	20.79 ug/ml	99
21) Benzo(g,h,i) perylene	13.757	276	713080	18.91 ug/ml	99

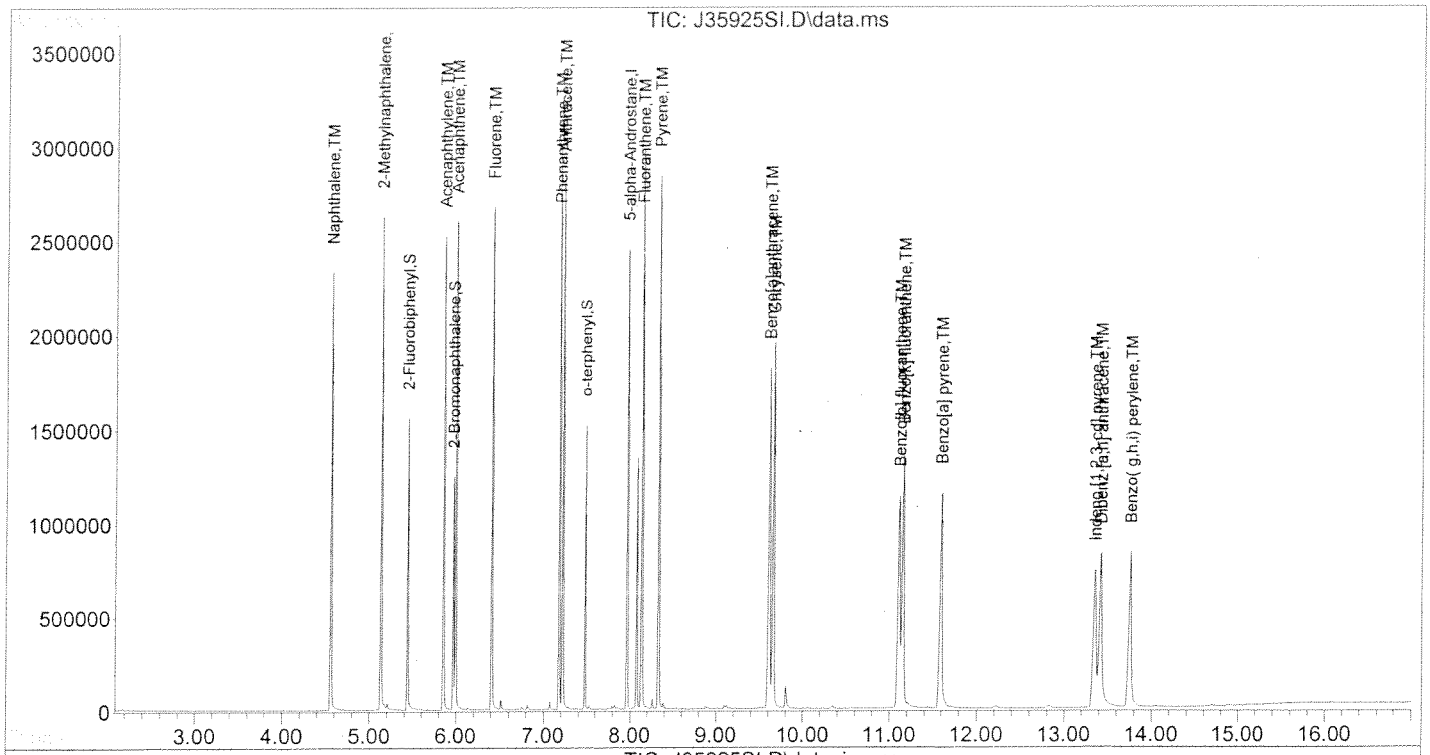
(#) = qualifier out of range (m) = manual integration (+) = signals summed

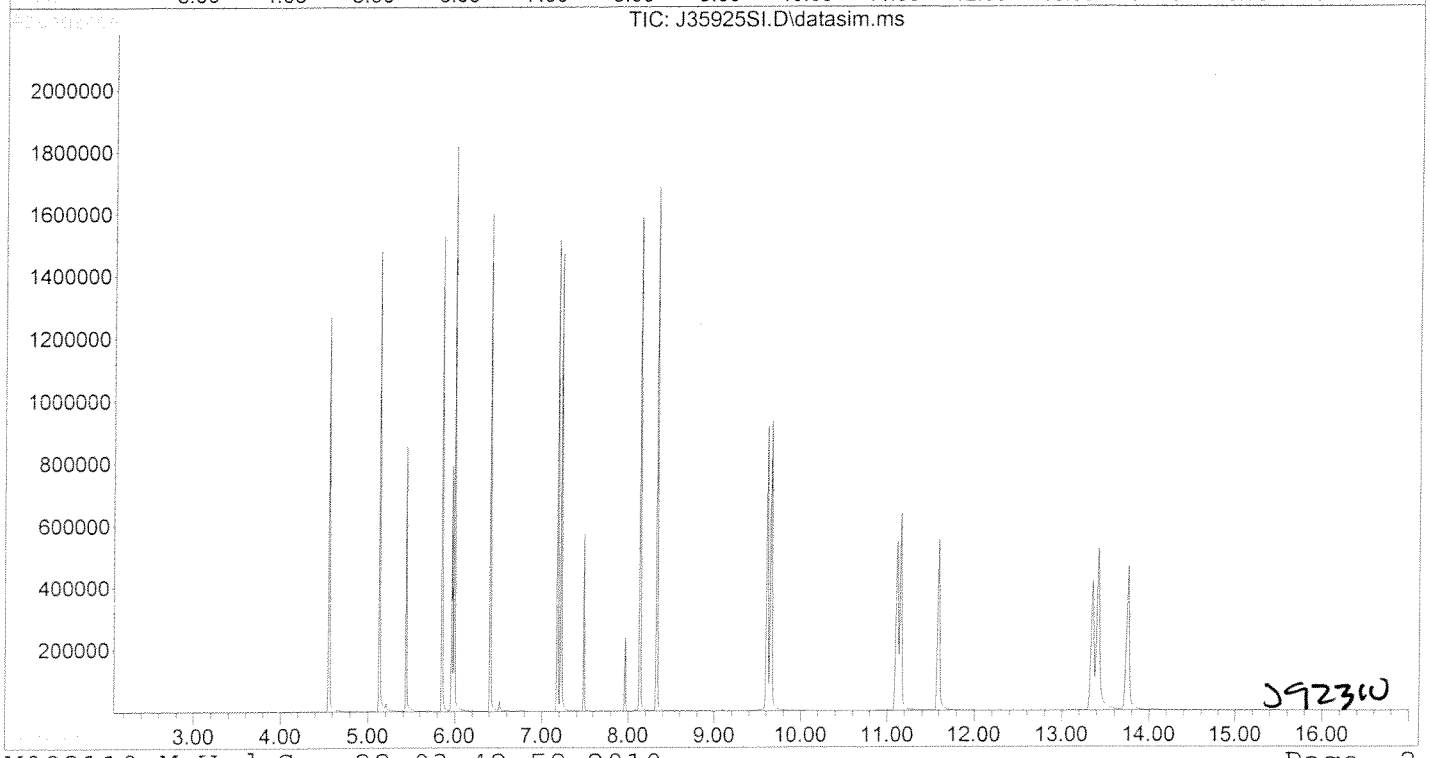
J92310

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35925SI.D
Acq On : 22 Sep 2010 2:36 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 22 03:32:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MW
9/23/10





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 22 03:39:30 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MR 9/22/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 5-alpha-Androstane	7.966	95	108242	20.00	ug/ml	0.00
System Monitoring Compounds						
9) 2-Fluorobiphenyl	5.440	172	1128184	30.60	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 153.00%#			
10) 2-Bromonaphthalene	5.968	206	522729	30.27	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 151.35%#			
11) o-terphenyl	7.479	230	605168	18.34	ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 91.70%			
Target Compounds						Qvalue
2) Naphthalene	4.562	128	2260706	53.18	ug/ml	100
3) 2-Methylnaphthalene	5.131	141	1237950	49.74	ug/ml	99
4) Acenaphthylene	5.855	152	2426037	51.17	ug/ml	100
5) Acenaphthene	5.998	154	1306687	48.12	ug/ml	100
6) Fluorene	6.413	166	1661651	47.17	ug/ml	100
7) Phenanthrene	7.184	178	2411401	47.01	ug/ml	100
8) Anthracene	7.226	178	2378488	45.36	ug/ml	100
12) Fluoranthene	8.144	202	2590784	42.53	ug/ml	99
13) Pyrene	8.336	202	2751704	43.57	ug/ml	100
14) Benzo[a]anthracene	9.622	228	2341377	44.58	ug/ml	98
15) Chrysene	9.672	228	2241564	41.24	ug/ml	100
16) Benzo[b] fluoranthene	11.129	252	2161365	48.20	ug/ml	100
17) Benzo[k] fluoranthene	√11.183	252	1986983	40.94	ug/ml	99
18) Benzo[a] pyrene	11.621	252	1992264	44.80	ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.379	276	1721491m	51.61	ug/ml	
20) Dibenz [a,h] anthracene	13.451	278	1701068	51.82	ug/ml	97
21) Benzo(g,h,i) perylene	13.792	276	1827113	45.83	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

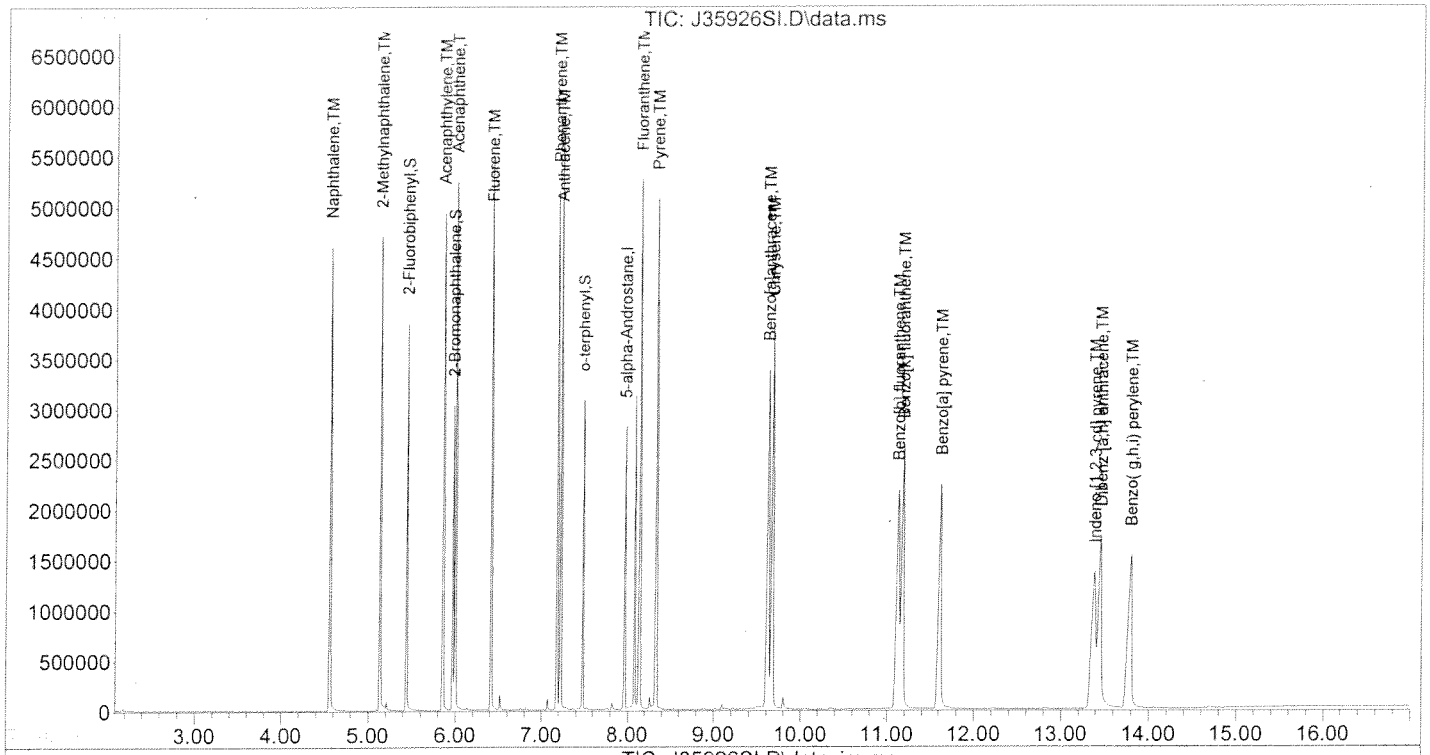
9/23/10

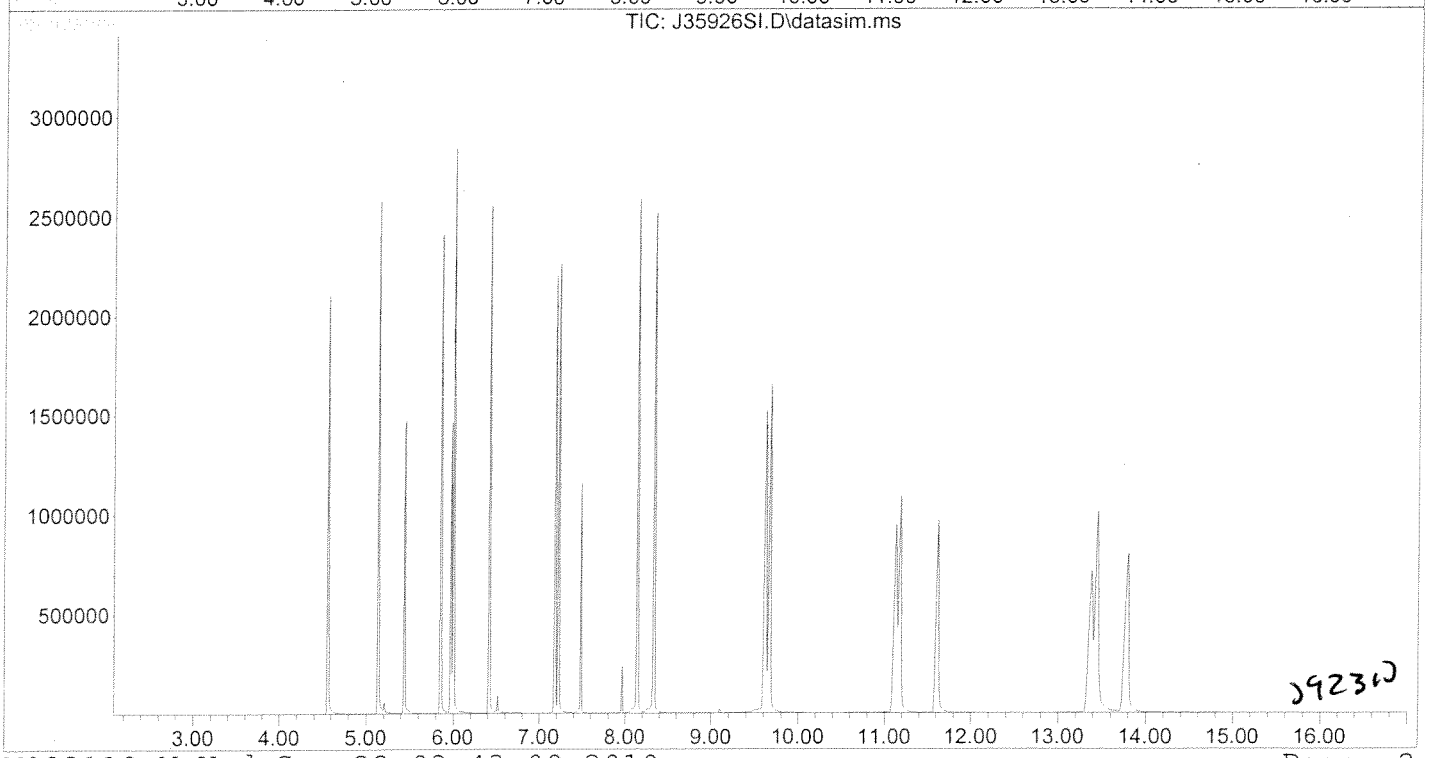
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 22 03:39:30 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MV 9/22/10





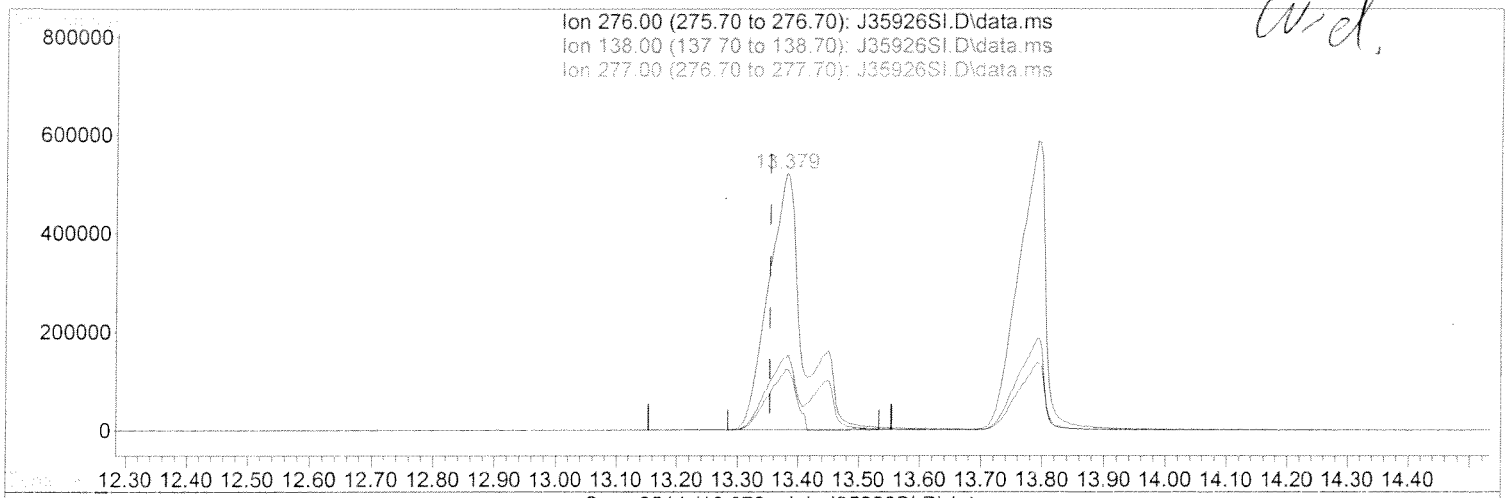
Quantitation Report (Qedit)

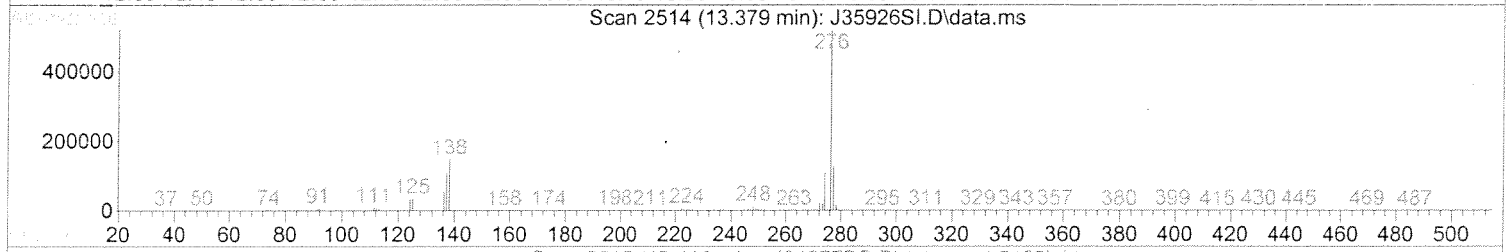
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

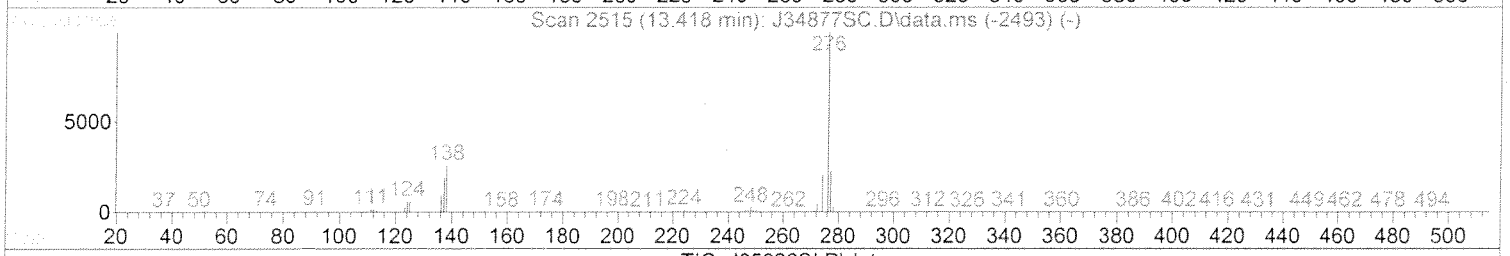
Quant Time: Sep 22 03:32:46 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

AK 9/23/10

w-d.







TIC: J35926SI.D\data.ms

(19) Indeno [1,2,3-cd] pyrene (TM)

13.379min (+0.025) 63.91ug/ml

response 2131503

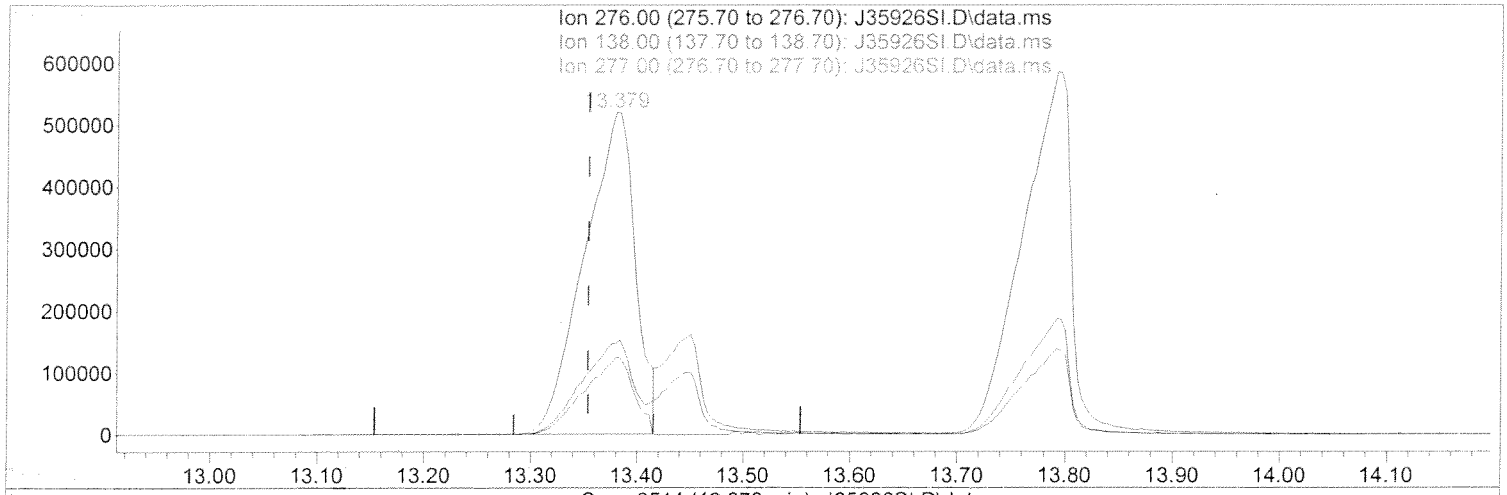
Ion	Exp%	Act%
276.00	100	100
138.00	30.20	24.27
277.00	23.70	19.22
0.00	0.00	0.00

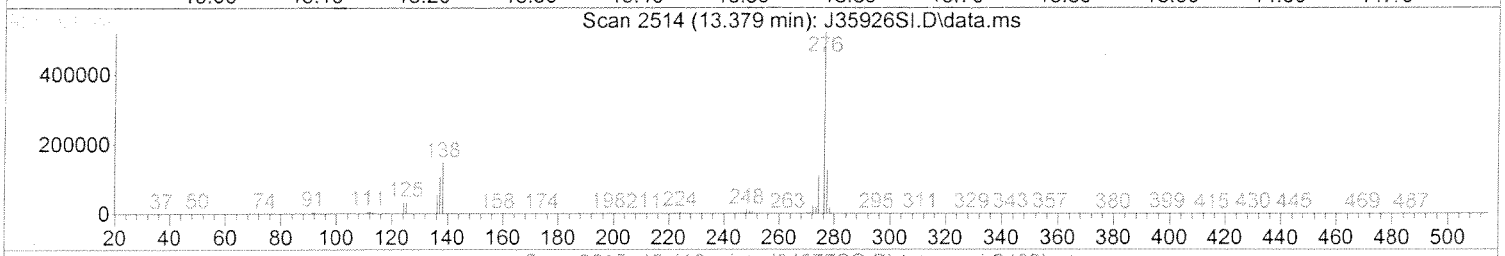
592310

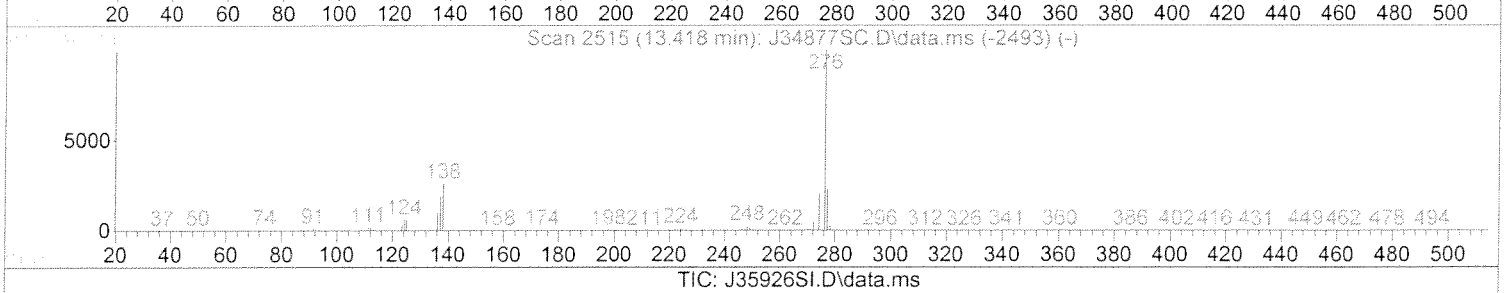
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 22 03:32:46 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/03/10







TIC: J35926SI.D\data.ms

(19) Indeno [1,2,3-cd] pyrene (TM)

13.379min (+0.025) 51.61ug/ml m

response 1721491

Ion	Exp%	Act%
276.00	100	100
138.00	30.20	30.05
277.00	23.70	23.80
0.00	0.00	0.00

J923W

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:40:28 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MC 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	96457	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.439	172	1726720	52.56 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 262.80%#		
10) 2-Bromonaphthalene	5.973	206	812186	52.78 ug/ml	0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 263.90%#		
11) o-terphenyl	7.484	230	954221	32.44 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 162.20%#		
Target Compounds					Qvalue
2) Naphthalene	4.567	128	3360056	88.70 ug/ml	99
3) 2-Methylnaphthalene	5.137	141	1847009	83.28 ug/ml	99
4) Acenaphthylene	5.861	152	3651329	86.43 ug/ml	100
5) Acenaphthene	6.003	154	1923299	79.47 ug/ml	100
6) Fluorene	6.418	166	2511709	80.02 ug/ml	99
7) Phenanthrene	7.189	178	3580923	78.35 ug/ml	100
8) Anthracene	7.231	178	3555041	76.08 ug/ml	100
12) Fluoranthene	8.150	202	4018959	74.04 ug/ml	99
13) Pyrene	8.346	202	4233639	75.22 ug/ml	99
14) Benzo[a]anthracene	9.633	228	3824879	81.72 ug/ml	98
15) Chrysene	9.687	228	3500585m	72.28 ug/ml	
16) Benzo[b] fluoranthene	11.143	252	3690964	92.37 ug/ml	99
17) Benzo[k] fluoranthene	11.205	252	3170644m	73.31 ug/ml	
18) Benzo[a] pyrene	11.639	252	3362388	84.84 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.428	276	2998642m	100.89 ug/ml	
20) Dibenz [a,h] anthracene	13.475	278	2684952	91.79 ug/ml	95
21) Benzo(g,h,i) perylene	13.824	276	2795922	78.70 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

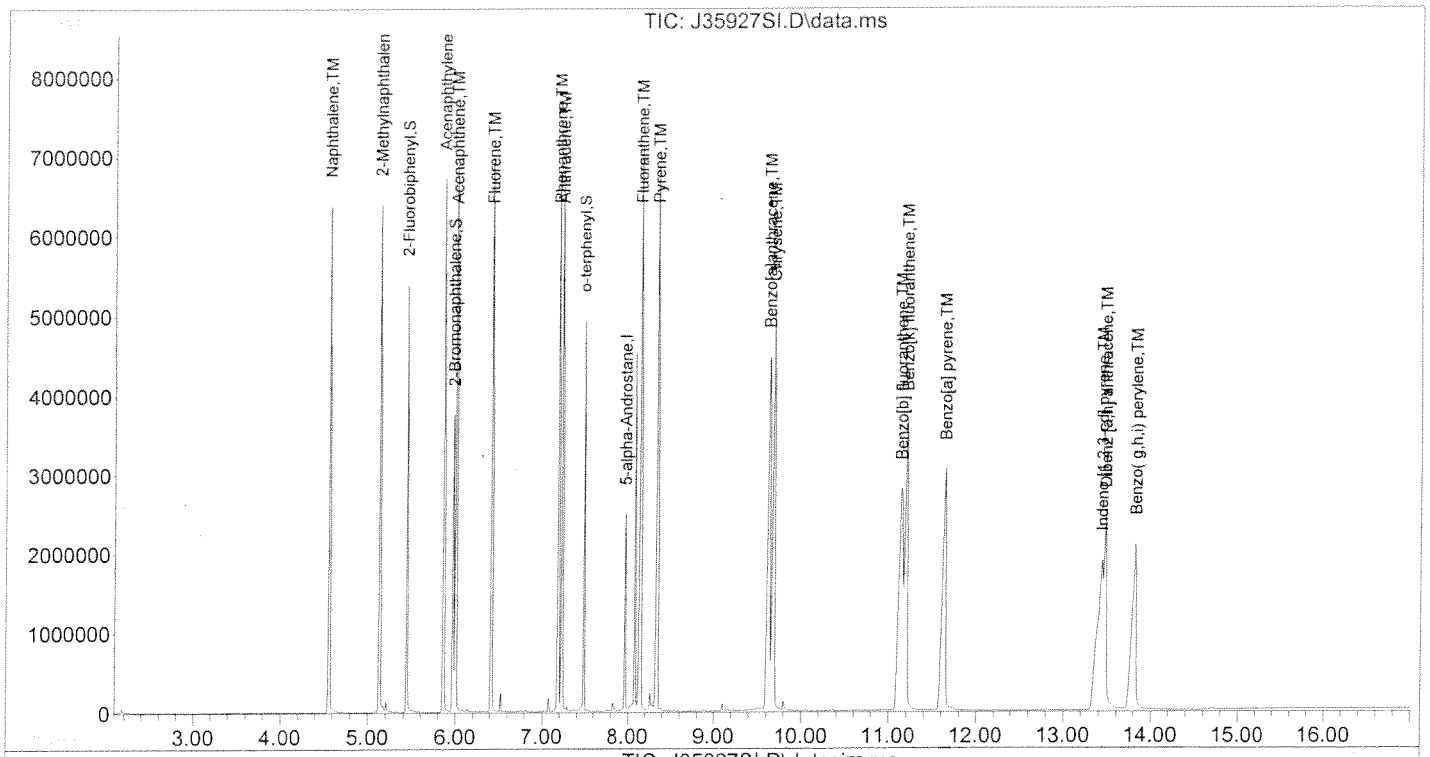
592360

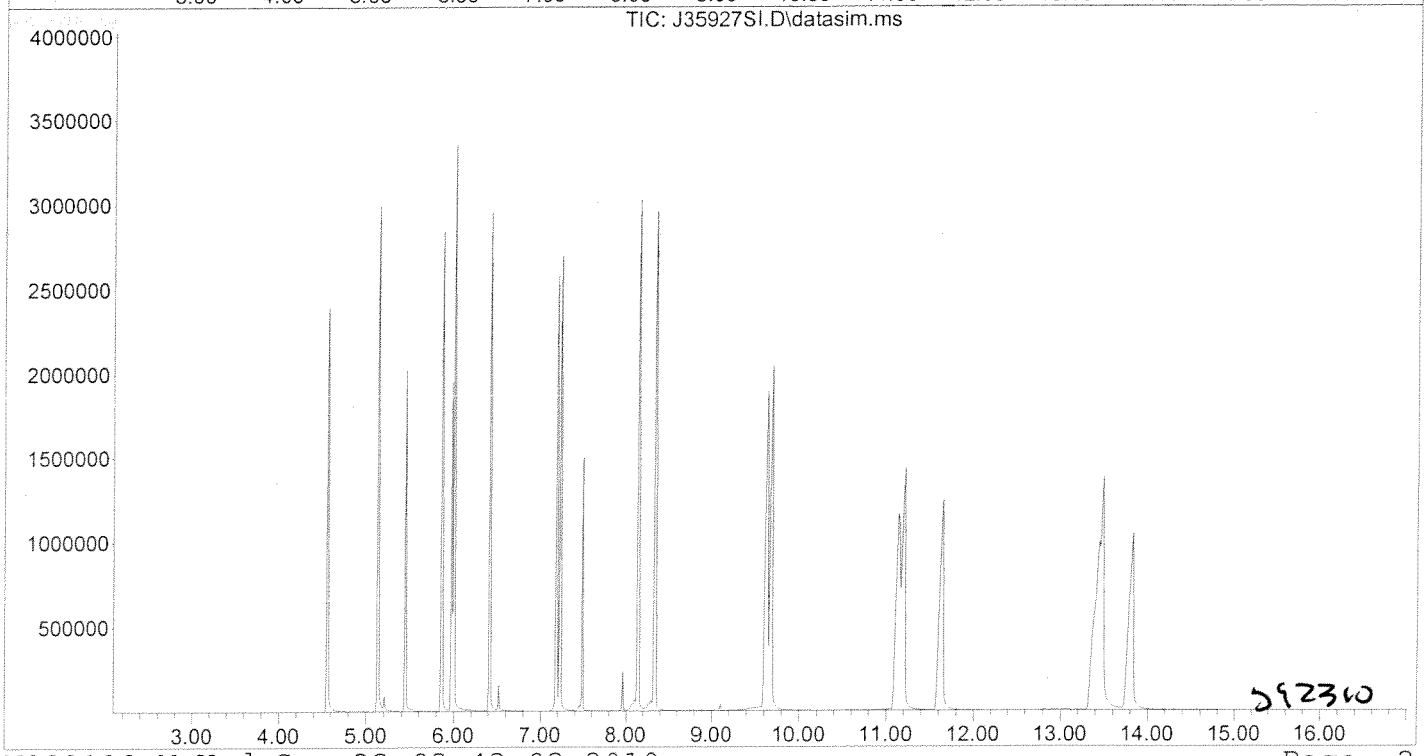
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:40:28 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

PM 9/23/10





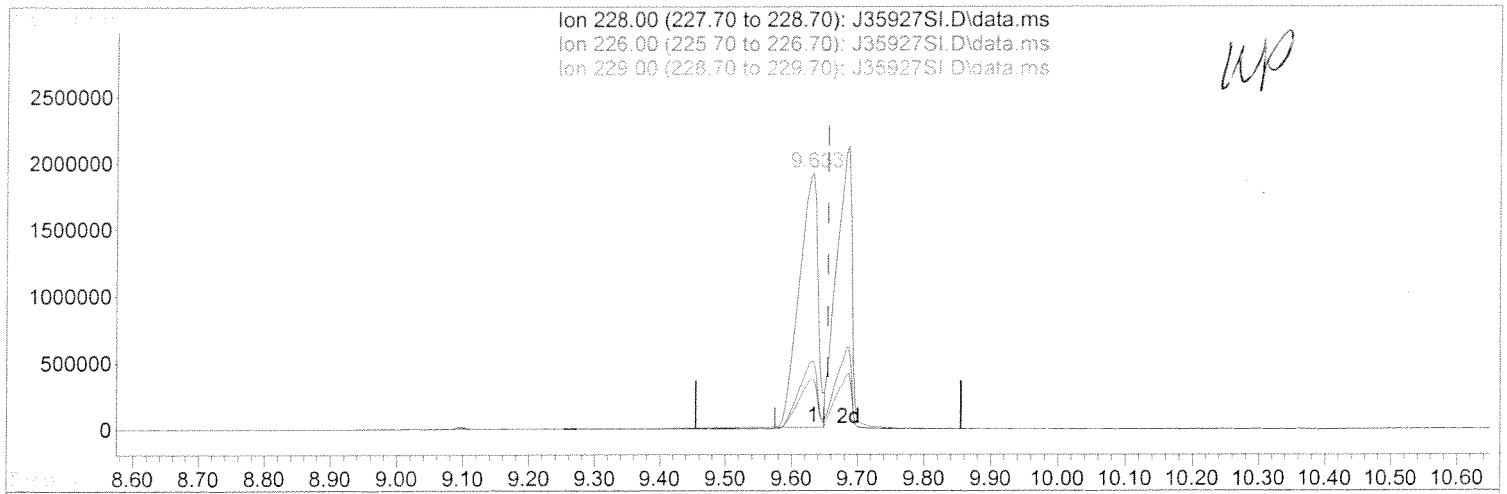
092310

Quantitation Report (Qedit)

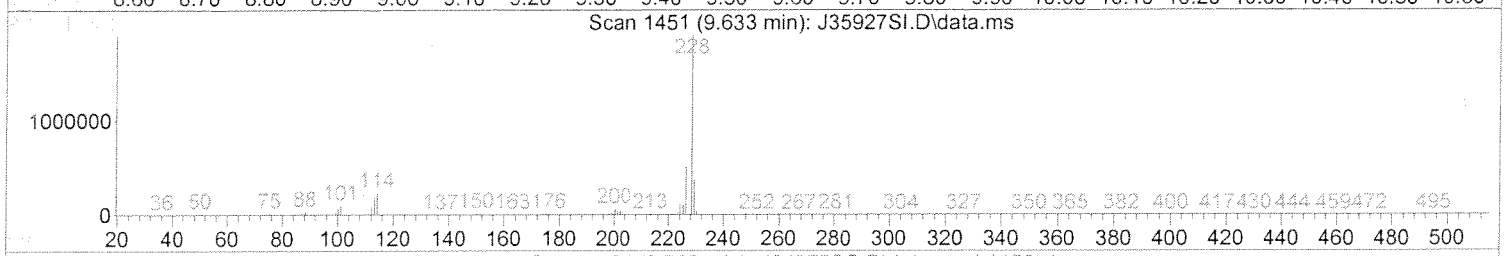
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

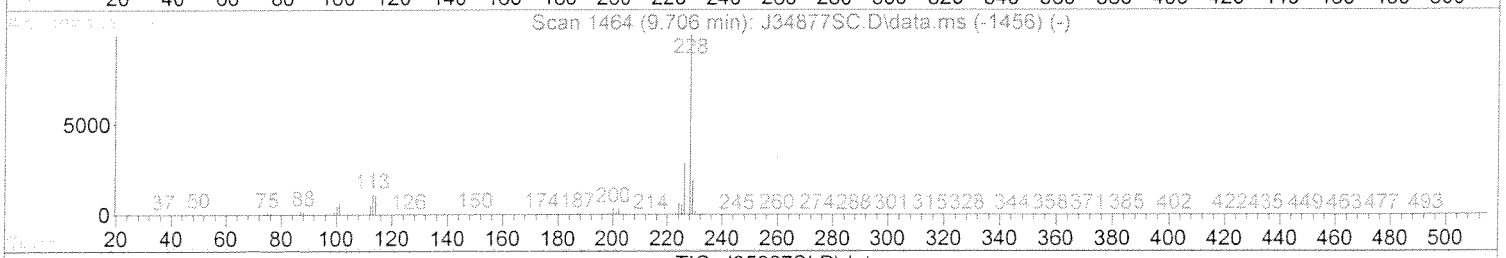
Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MW 9/23/10



UP





TIC: J35927SI.D\data.ms

(15) Chrysene (TM)

9.633min (-0.023) 78.86ug/ml

response 3819230

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	26.26
229.00	19.70	19.82
0.00	0.00	0.00

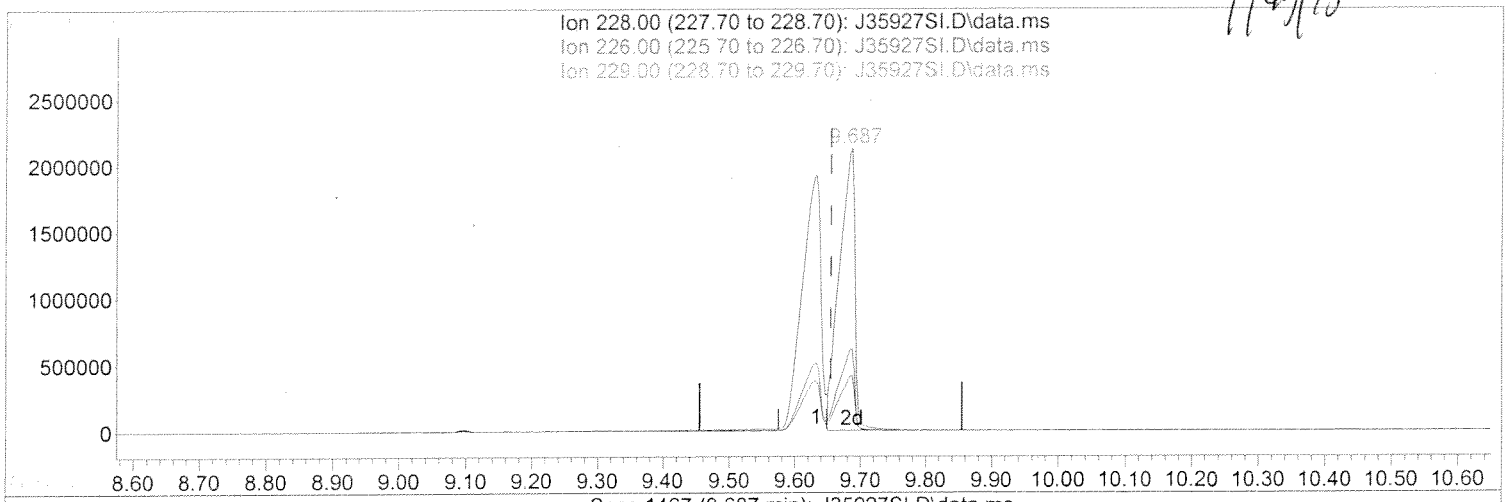
J42310

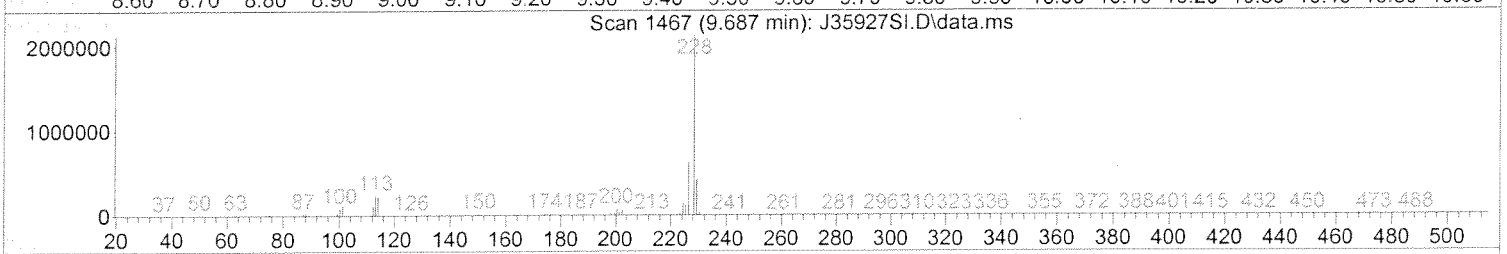
Quantitation Report (Qedit)

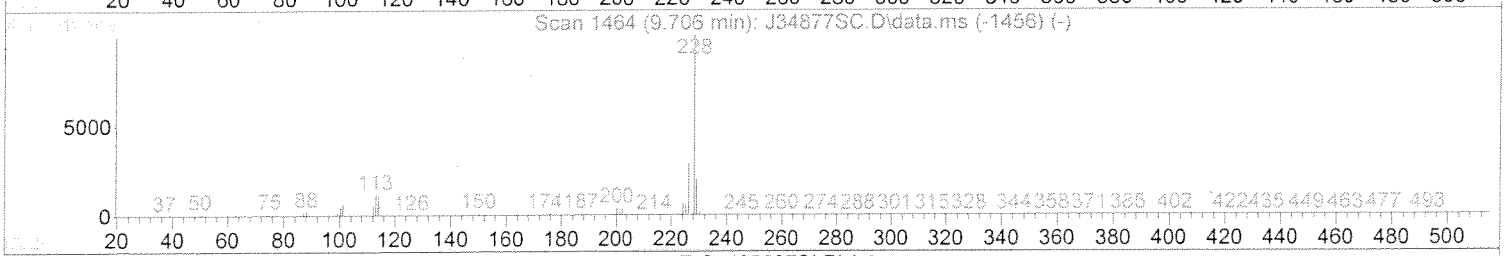
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

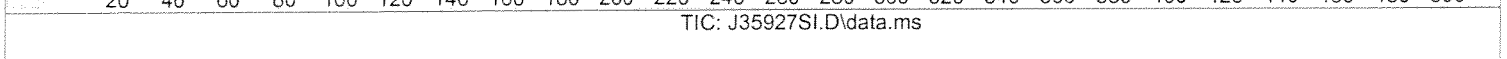
Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10









(15) Chrysene (TM)

9.687min (+0.031) 72.28ug/ml m

response 3500585

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	28.65
229.00	19.70	21.62
0.00	0.00	0.00

092310

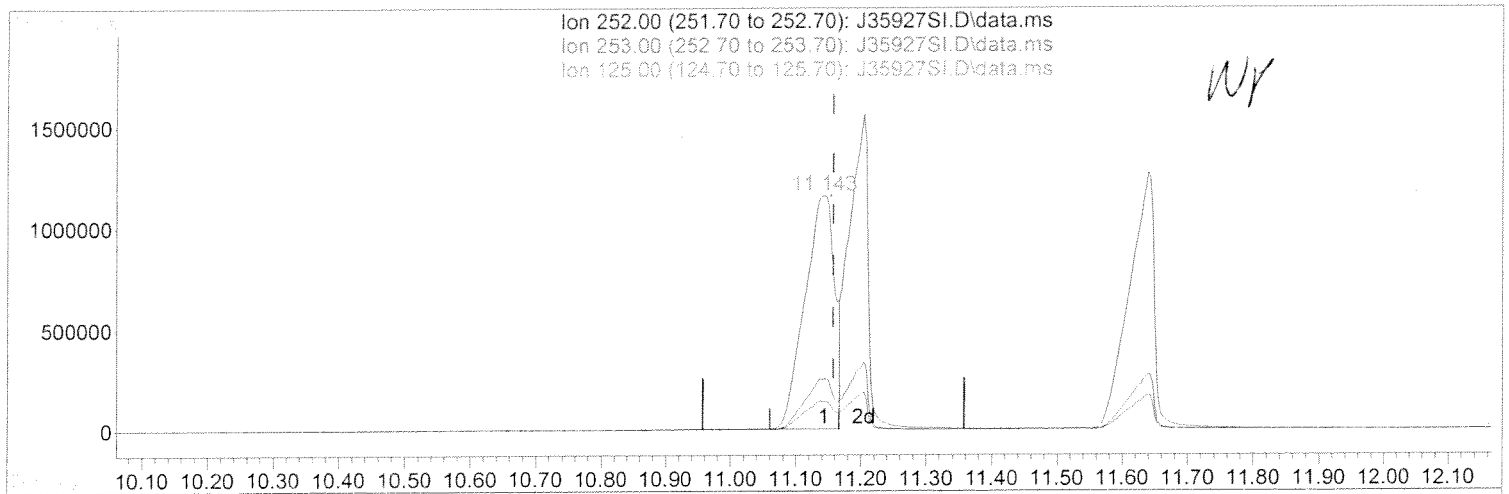
ARM092110.M Wed Sep 22 03:40:04 2010

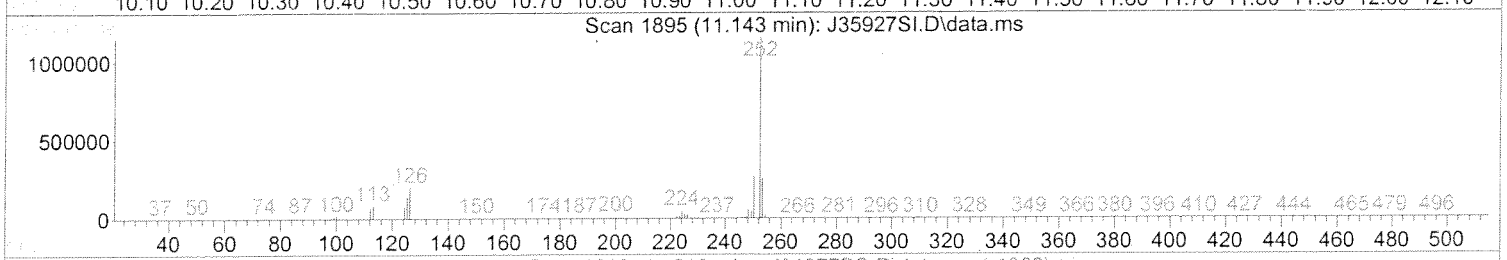
Quantitation Report (Qedit)

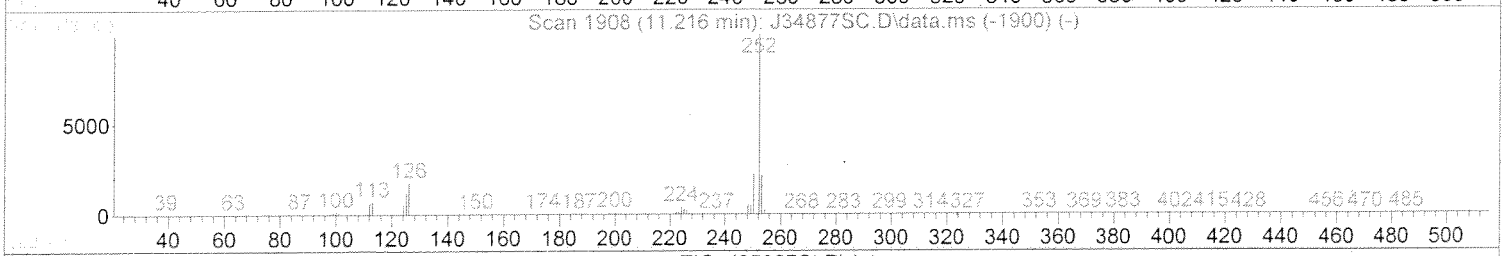
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10







TIC: J35927SI.D\data.ms

(17) Benzo[k] fluoranthene (TM)

11.143min (-0.015) 85.34ug/ml

response 3690964

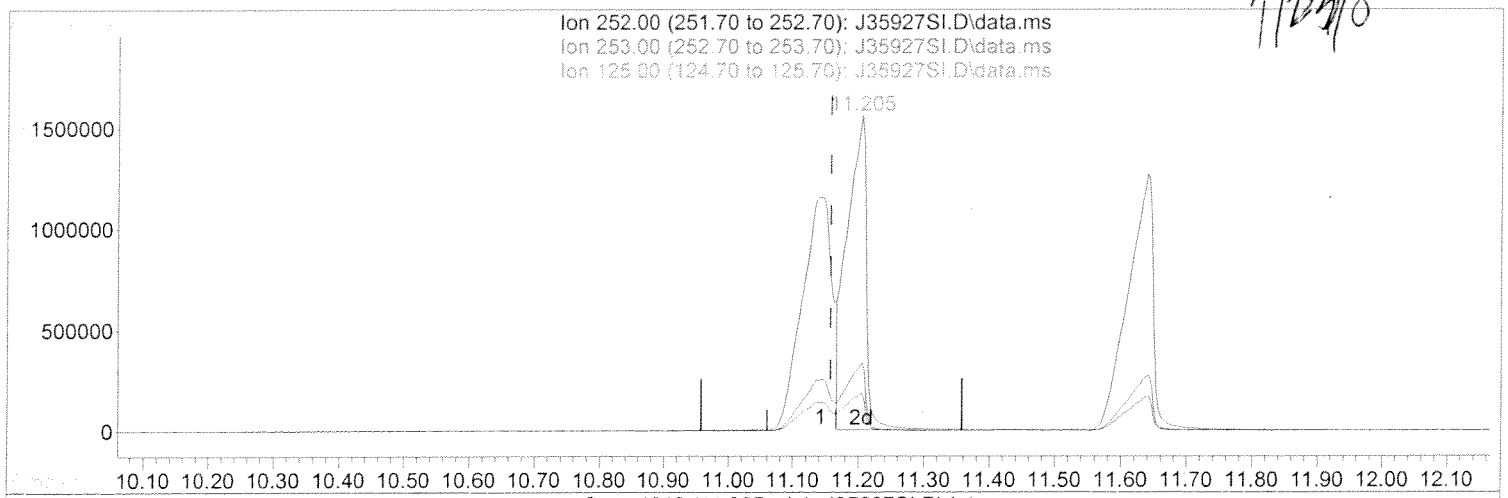
Ion	Exp%	Act%
252.00	100	100
253.00	22.70	21.95
125.00	13.70	12.82
0.00	0.00	0.00

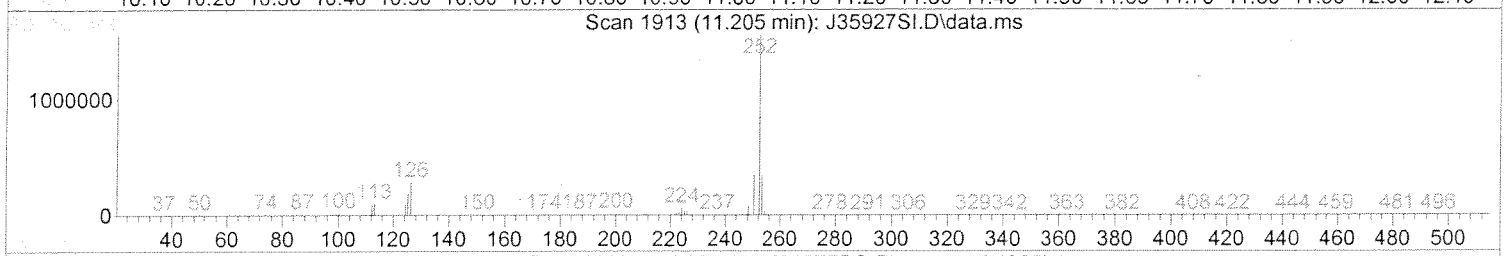
392300

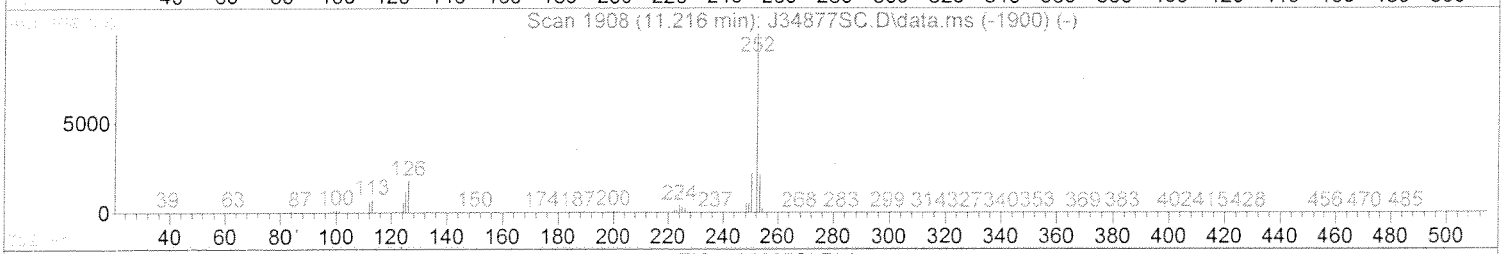
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration







TIC: J35927SI.D\data.ms

(17) Benzo[k] fluoranthene (TM)

11.205min (+0.047) 73.31ug/ml m

response 3170644

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	25.55
125.00	13.70	14.93
0.00	0.00	0.00

592310

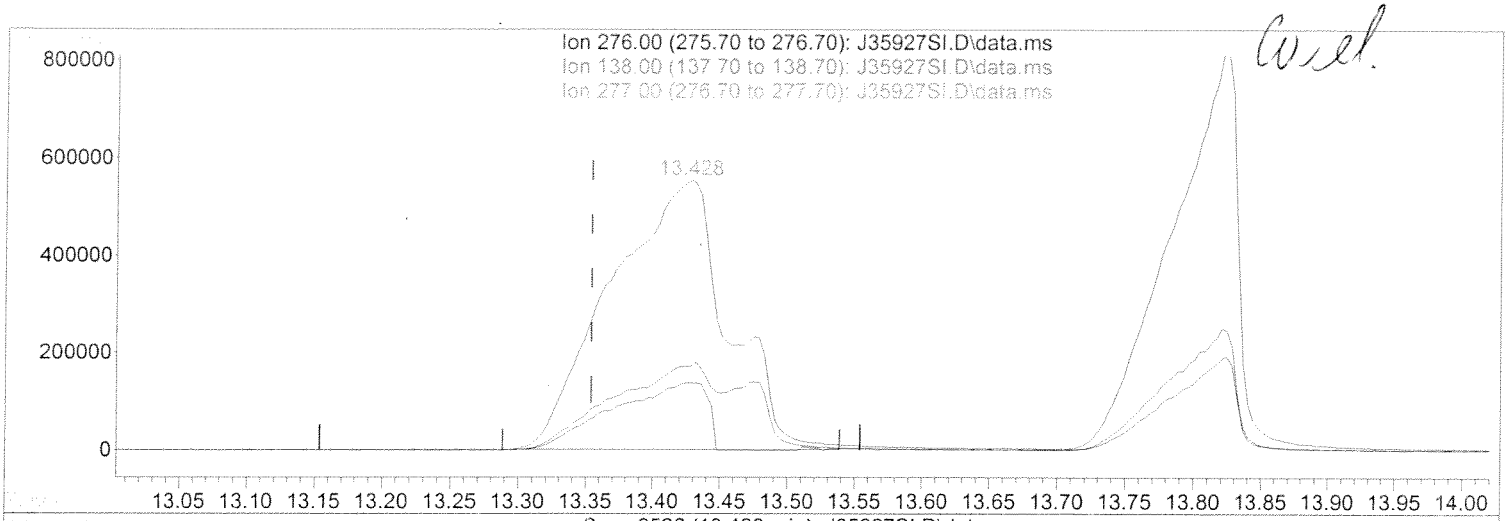
Quantitation Report (Qedit)

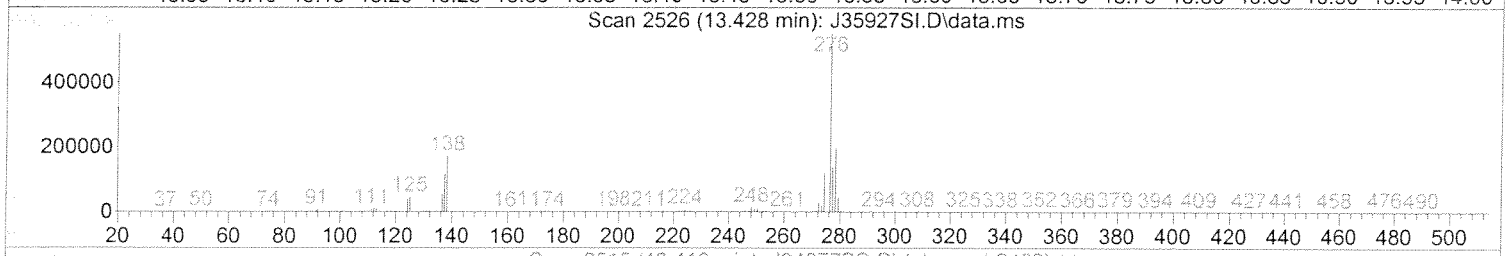
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

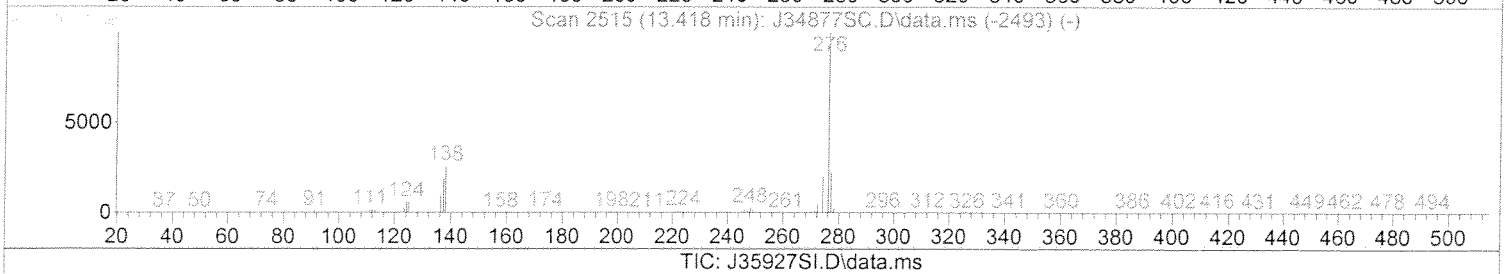
Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

MC 9/23/10

Well.







TIC: J35927SI.D\data.ms

(19) Indeno [1,2,3-cd] pyrene (TM)

13.428min (+0.074) 112.53ug/ml

response 3344731

Ion	Exp%	Act%
276.00	100	100
138.00	30.20	35.90
277.00	23.70	20.10
0.00	0.00	0.00

592310

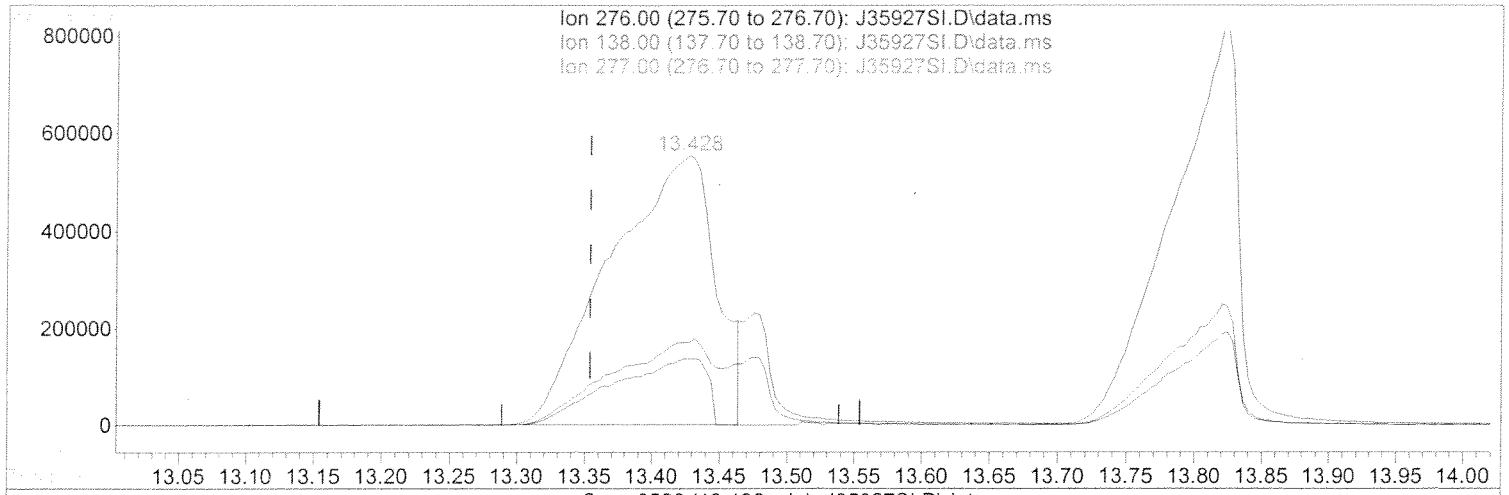
ARM092110.M Wed Sep 22 03:40:20 2010

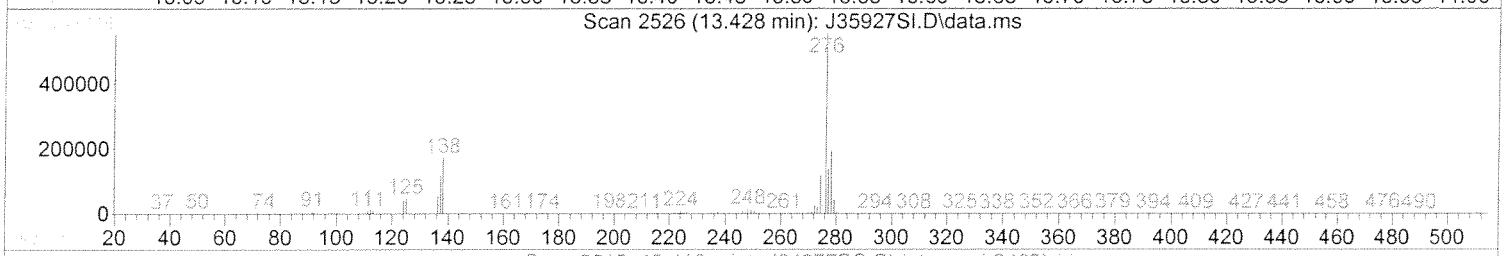
Quantitation Report (Qedit)

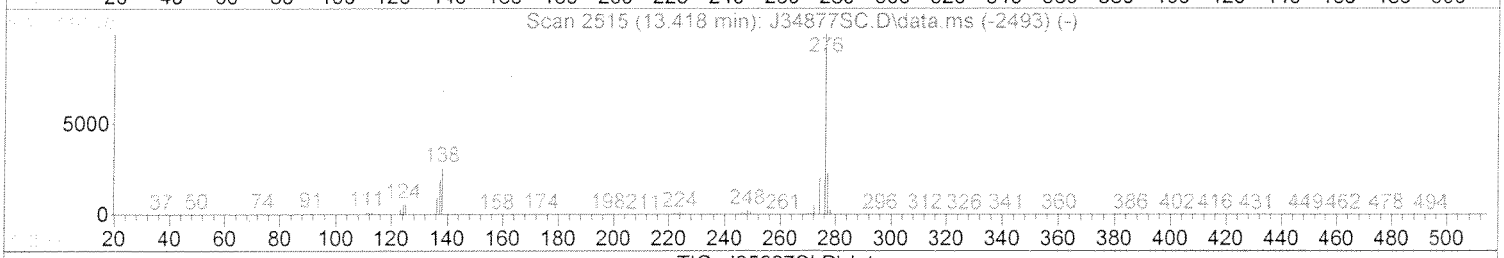
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 22 03:39:45 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Tue Sep 21 23:09:05 2010
Response via : Initial Calibration

9/23/10







TIC: J35927SI.D\data.ms

(19) Indeno [1,2,3-cd] pyrene (TM)

13.428min (+0.074) 100.89ug/ml m

response 2998642

Ion	Exp%	Act%
276.00	100	100
138.00	30.20	40.04#
277.00	23.70	22.43
0.00	0.00	0.00

592310

ARM092110.M Wed Sep 22 03:40:31 2010

MS AROMATIC 2ND SOURCE CHECK

Data File Name J35928.D
Sample Name S9716 ARO 20 ICV
Date Acquired 9/22/2010 3:45

PN 9/22/10

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.22	20	106%	OK
2-Methylnaphthalene	21.96	20	110%	OK
Acenaphthylene	21.04	20	105%	OK
Acenaphthene	21.66	20	108%	OK
Fluorene	21.32	20	107%	OK
Phenanthrene	21.23	20	106%	OK
Anthracene	21.72	20	109%	OK
o-terphenyl	18.42	20	92%	OK
Fluoranthene	21.85	20	109%	OK
Pyrene	20.90	20	104%	OK
Benzo[a]anthracene	18.71	20	94%	OK
Chrysene	19.70	20	99%	OK
Benzo[b] fluoranthene	18.55	20	93%	OK
Benzo[k] fluoranthene	18.92	20	95%	OK
Benzo[a] pyrene	19.32	20	97%	OK
Indeno [1,2,3-cd] pyrene	18.66	20	93%	OK
Dibenz [a,h] anthracene	18.67	20	93%	OK
Benzo(g,h,i) perylene	18.35	20	92%	OK

S9230

9/22/2010 4:03 AM

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35928.D
Acq On : 22 Sep 2010 3:45 am
Operator : AR/MG
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 22 04:02:42 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

MK 9/22/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	105542	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.440	172	297	0.01 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 0.05%#		
10) 2-Bromonaphthalene	5.979	206	300	0.02 ug/ml	0.01
Spiked Amount 20.000	Range 40 - 140		Recovery = 0.10%#		
11) o-terphenyl	7.480	230	588741	18.42 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 92.10%		
Target Compounds					Qvalue
2) Naphthalene	4.561	128	1044087	21.22 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	594178	21.96 ug/ml	99
4) Acenaphthylene	5.855	152	1111750	21.04 ug/ml	100
5) Acenaphthene	5.991	154	619389	21.66 ug/ml	99
6) Fluorene	6.413	166	777427	21.32 ug/ml	100
7) Phenanthrene	7.175	178	1126282	21.23 ug/ml	100
8) Anthracene	7.218	178	1139204	21.72 ug/ml	100
12) Fluoranthene	8.136	202	1249245	21.85 ug/ml	100
13) Pyrene	8.328	202	1262818	20.90 ug/ml	100
14) Benzo[a]anthracene	9.609	228	944209	18.71 ug/ml	98
15) Chrysene	9.653	228	972346	19.70 ug/ml	99
16) Benzo[b] fluoranthene	11.109	252	822050	18.55 ug/ml	99
17) Benzo[k] fluoranthene	11.157	252	830499	18.92 ug/ml	98
18) Benzo[a] pyrene	11.595	252	816358	19.32 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.349	276	633279	18.66 ug/ml	99
20) Dibenz [a,h] anthracene	13.417	278	606077	18.67 ug/ml	99
21) Benzo(g,h,i) perylene	13.754	276	673559	18.35 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

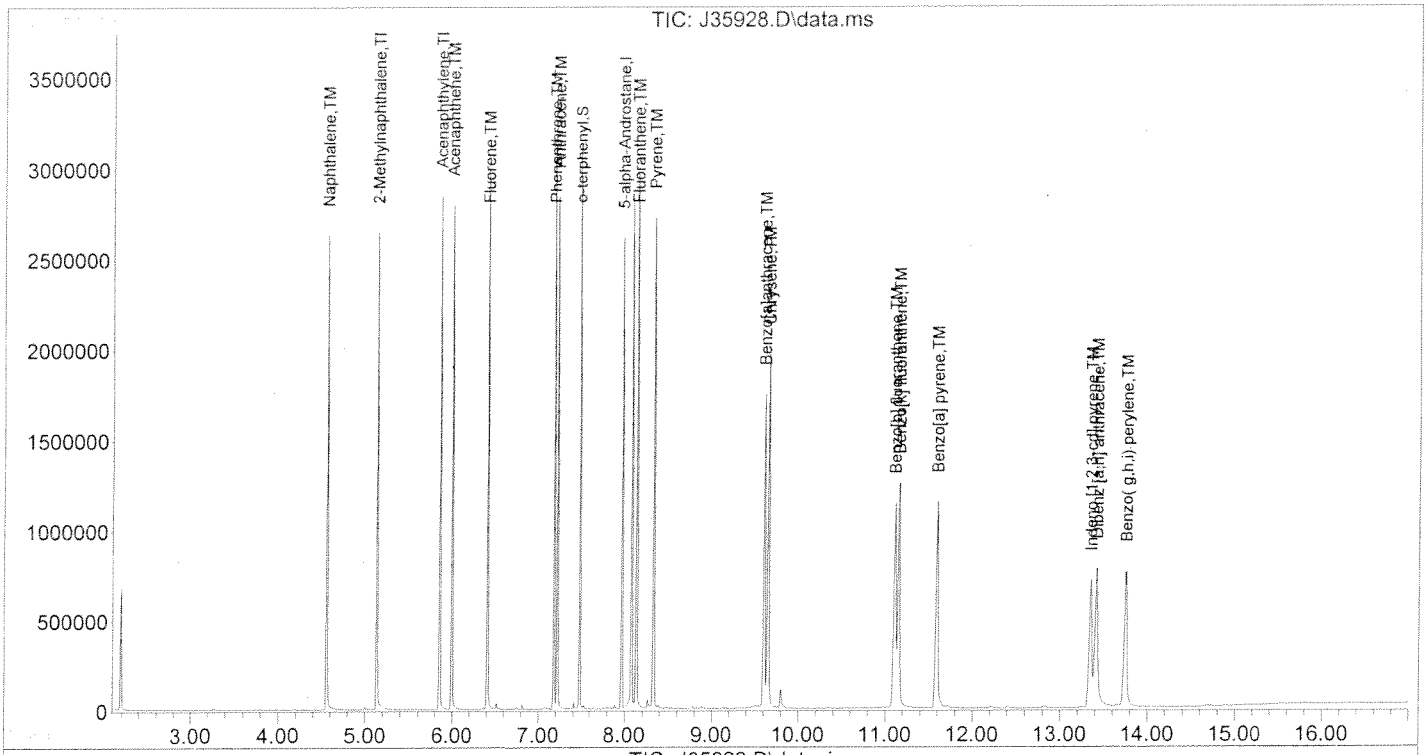
J9230

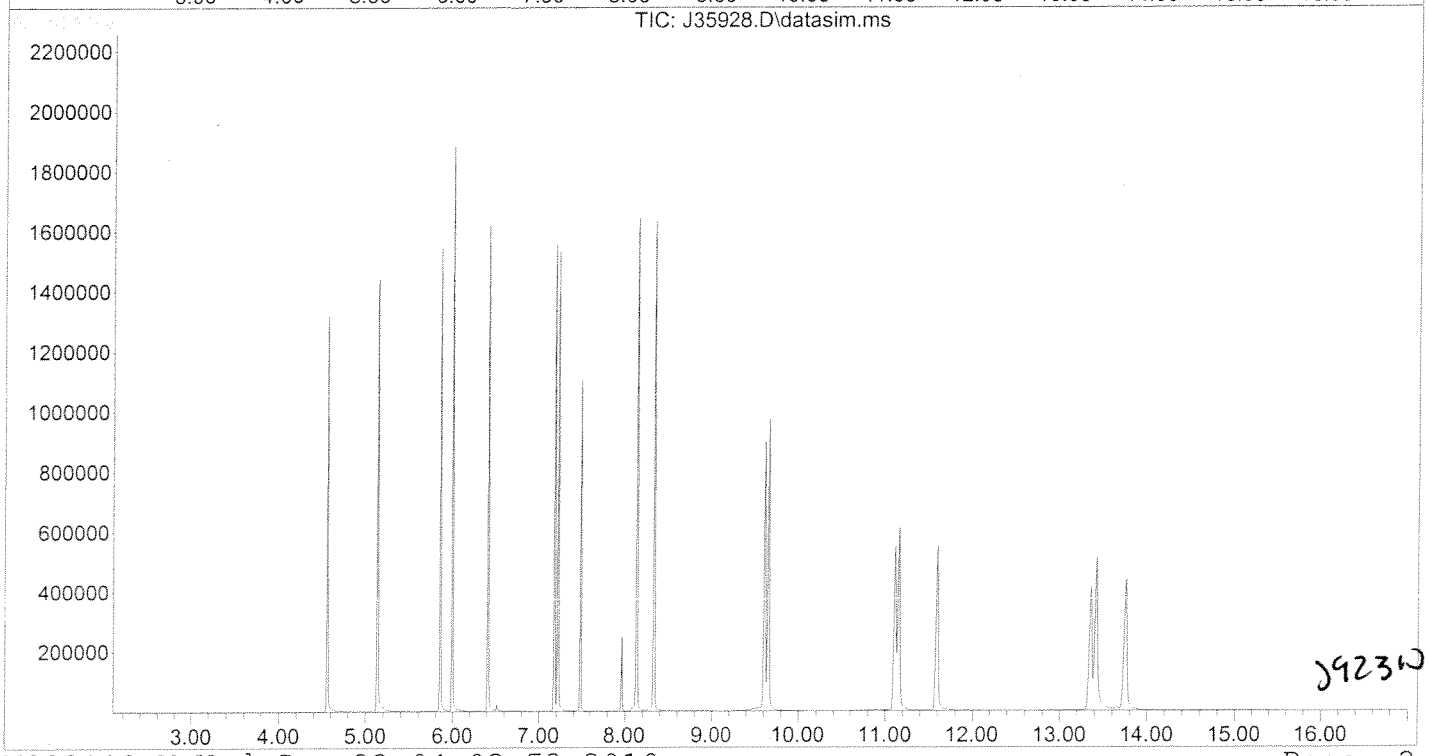
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35928.D
Acq On : 22 Sep 2010 3:45 am
Operator : AR/MG
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 22 04:02:42 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

9/22/10





J923W

Method Path : C:\msdchem\1\METHODS\
Method File : ARG092110.M
Title : EPH GC AROMATICS
Last Update : Wed Sep 22 04:48:18 2010
Response Via : Initial Calibration

9/23/10

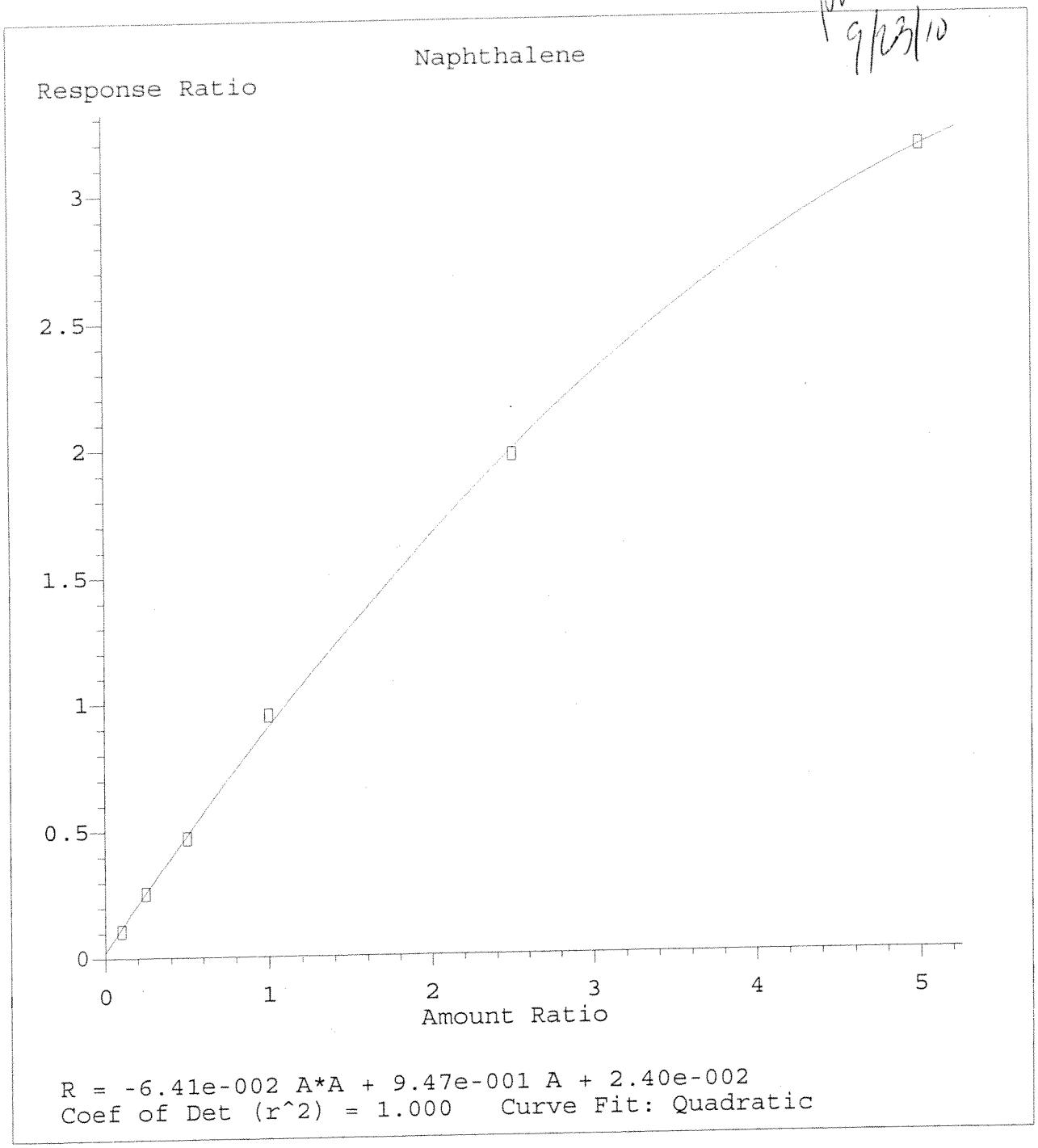
Calibration Files
2 =J35922SI.D 5 =J35923SI.D 10 =J35924SI.D
20 =J35925SI.D 50 =J35926SI.D 100 =J35927SI.D

		Compound	2	5	10	20	50	100	Avg	%RSD
1)	I	5-alpha-Androstane	ISTD							
2)	TZ	Naphthalene	1.061	1.017	0.942	0.951	0.787	0.632	0.898	17.83
3)	TZ	2-Methylnapht...	1.120	1.022	0.966	0.966	0.787	0.635	0.916	19.13
4)	TZ	Acenaphthylene	1.108	1.090	0.996	0.993	0.828	0.674	0.948	17.62
5)	TZ	Acenaphthene	1.401	1.230	1.093	1.065	0.870	0.699	1.060	23.59
6)	TZ	Fluorene	1.296	1.201	1.077	1.089	0.904	0.727	1.049	19.56
7)	TZ	Phenanthrene	1.258	1.241	1.141	1.127	0.916	0.729	1.069	19.30
8)	TZ	Anthracene	1.281	1.221	1.067	1.075	0.851	0.690	1.031	21.70
9)	S	2-Fluorobiphenyl	1.143	1.098	1.017	1.049	0.882	0.727	0.986	15.72
10)	S	2-Bromonaphth...	0.742	0.843	0.800	0.817	0.731	0.608	0.757	11.18
11)	S	o-terphenyl	1.634	1.537	1.366	1.322	1.158	0.946	1.327	18.87
12)	TZ	Fluoranthene	1.500	1.335	1.257	1.217	0.966	0.817	1.182	21.11
13)	TZ	Pyrene	1.428	1.342	1.277	1.250	1.022	0.847	1.194	18.22
14)	TZ	Benzo[a]anthr...	1.170	1.137	1.085	1.079	0.942	0.813	1.038	12.99
15)	TZ	Chrysene	1.250	1.231	1.149	1.119	0.939	0.777	1.078	17.10
16)	TZ	Benzo[b] fluo...	1.143	1.034	0.965	0.969	0.868	0.790	0.961	12.87
17)	TZ	Benzo[k] fluo...	1.132	1.064	1.010	0.968	0.861	0.716	0.959	15.65
18)	TZ	Benzo[a] pyrene	0.964	0.952	0.975	0.969	0.839	0.754	0.909	10.08
19)	TZ	Indeno [1,2,3...	0.794	0.768	0.746	0.768	0.732	0.779	0.765	2.96
20)	TZ	Dibenz [a,h] ...	1.076	0.985	0.920	0.866	0.753	0.495	0.849	24.12
21)	TZ	Benzo(g,h,i)...	0.951	0.959	0.889	0.872	0.804	0.670	0.857	12.58
22)	XH	c11-c22	1.173	1.107	1.033	1.020	0.863	0.720	0.986	✓16.89

(#) = Out of Range

J92310

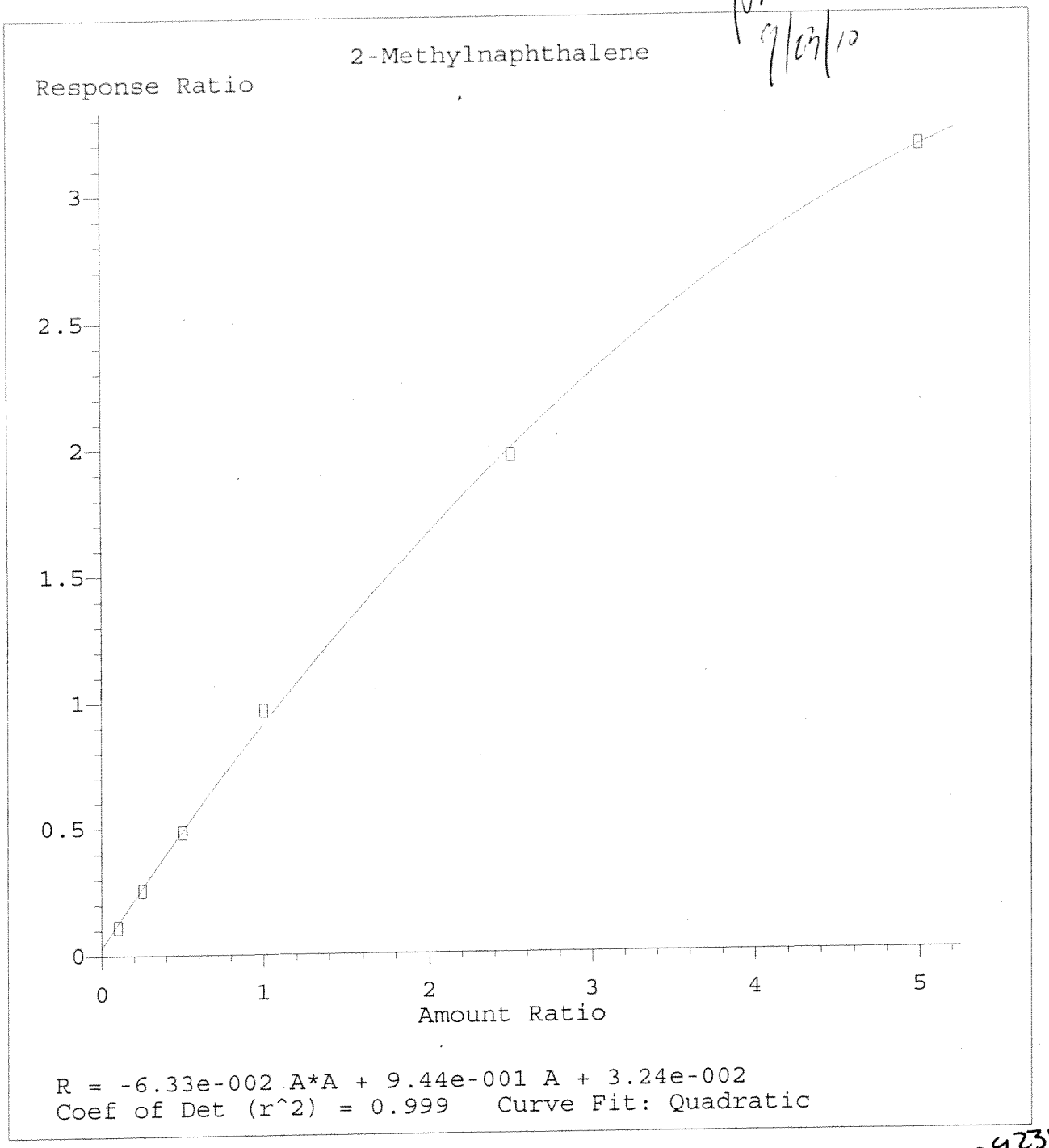
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:40:33 2010

J9230

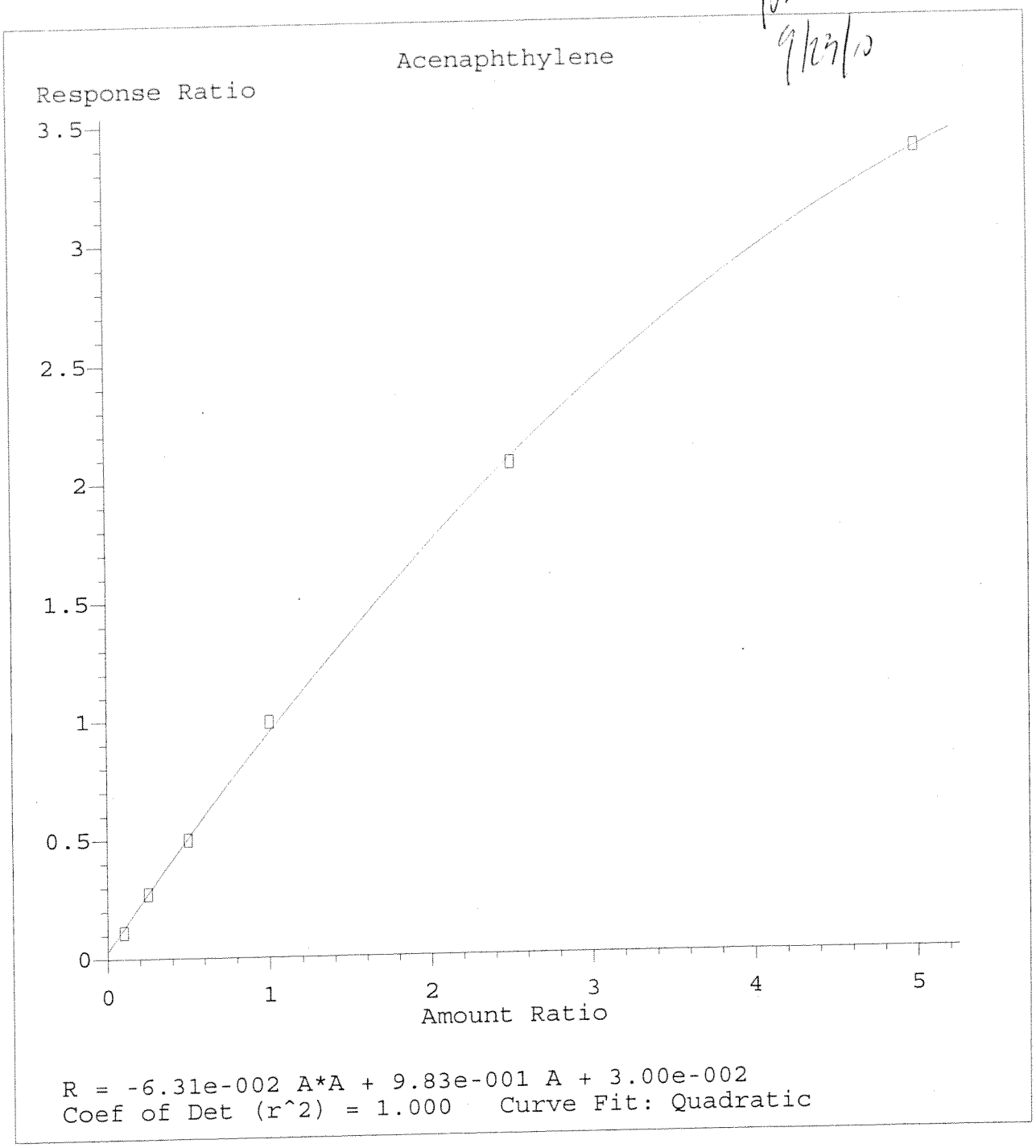
9/27/10



092310

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:01 2010

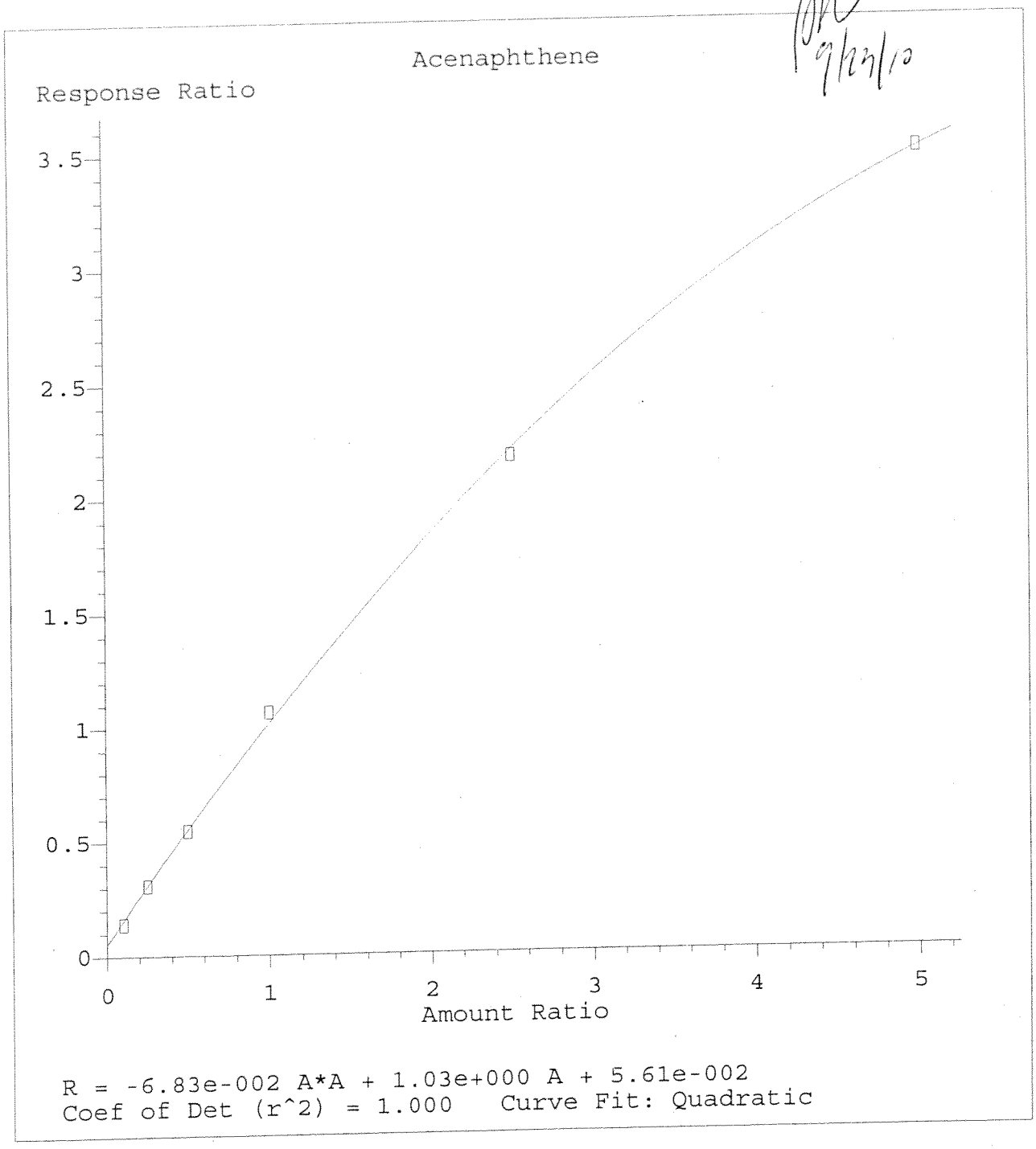
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:07 2010

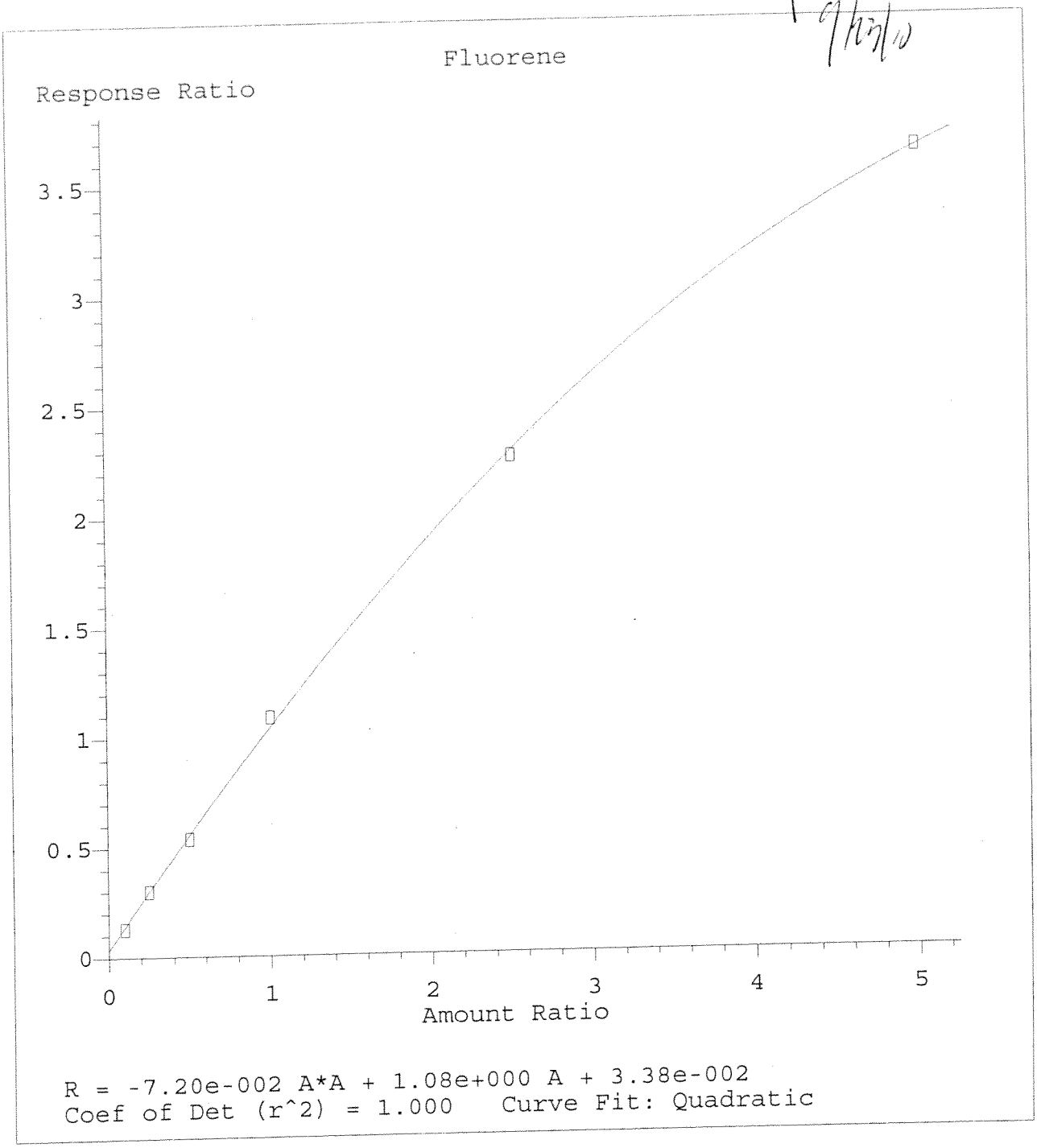
092310

9/23/10

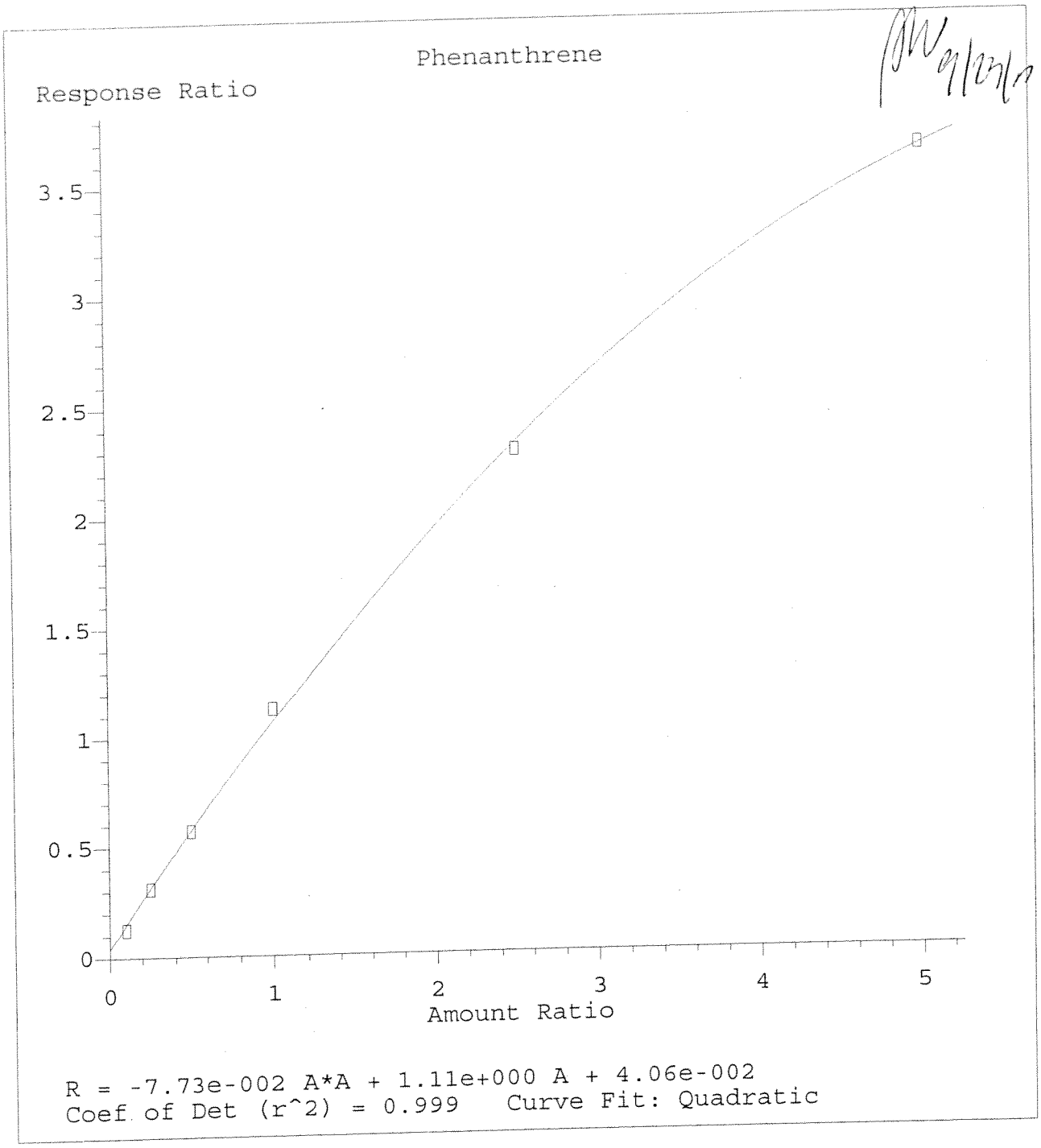


Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:12 2010

092310

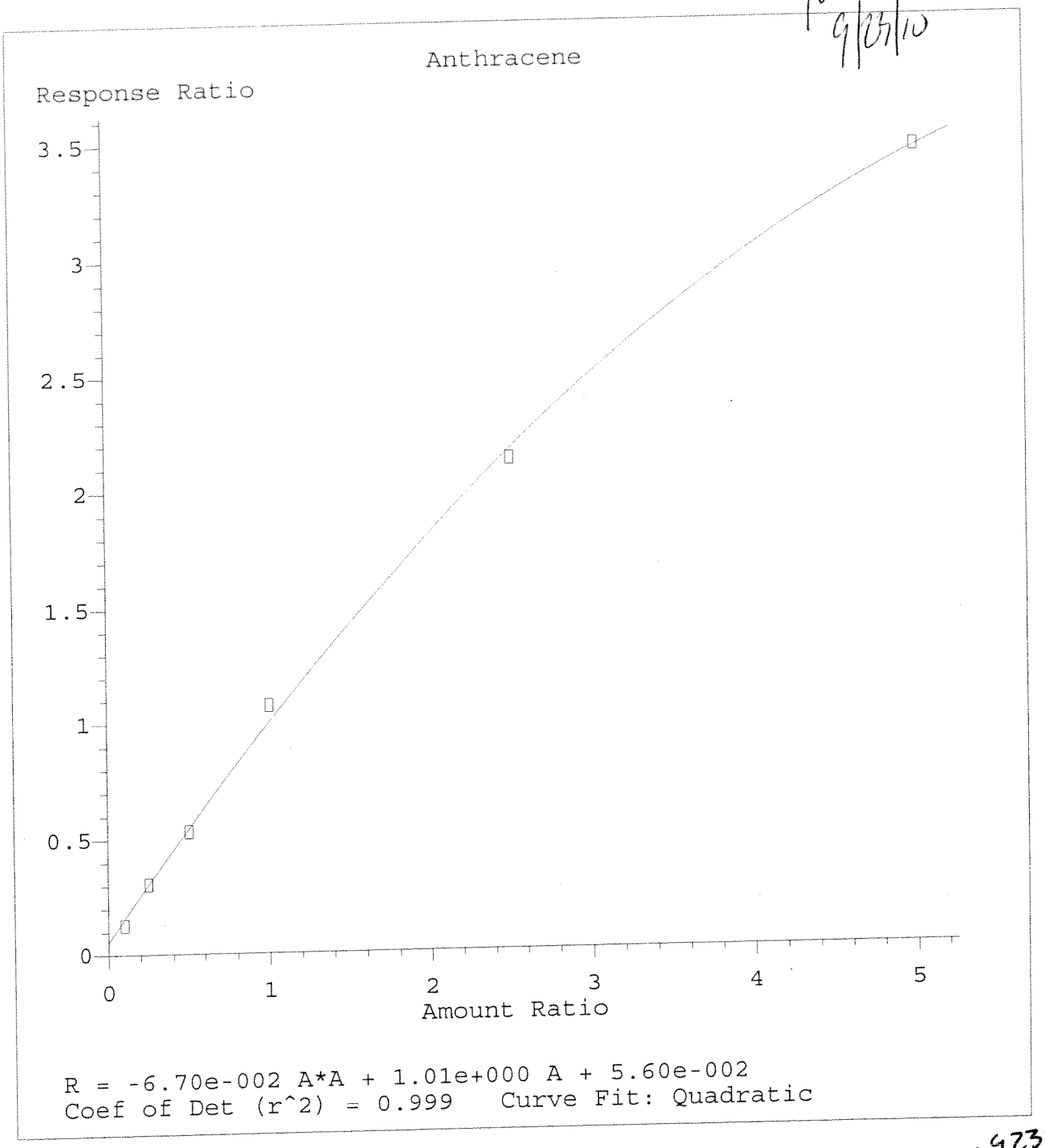


Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:42:19 2010



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:05 2010 092310

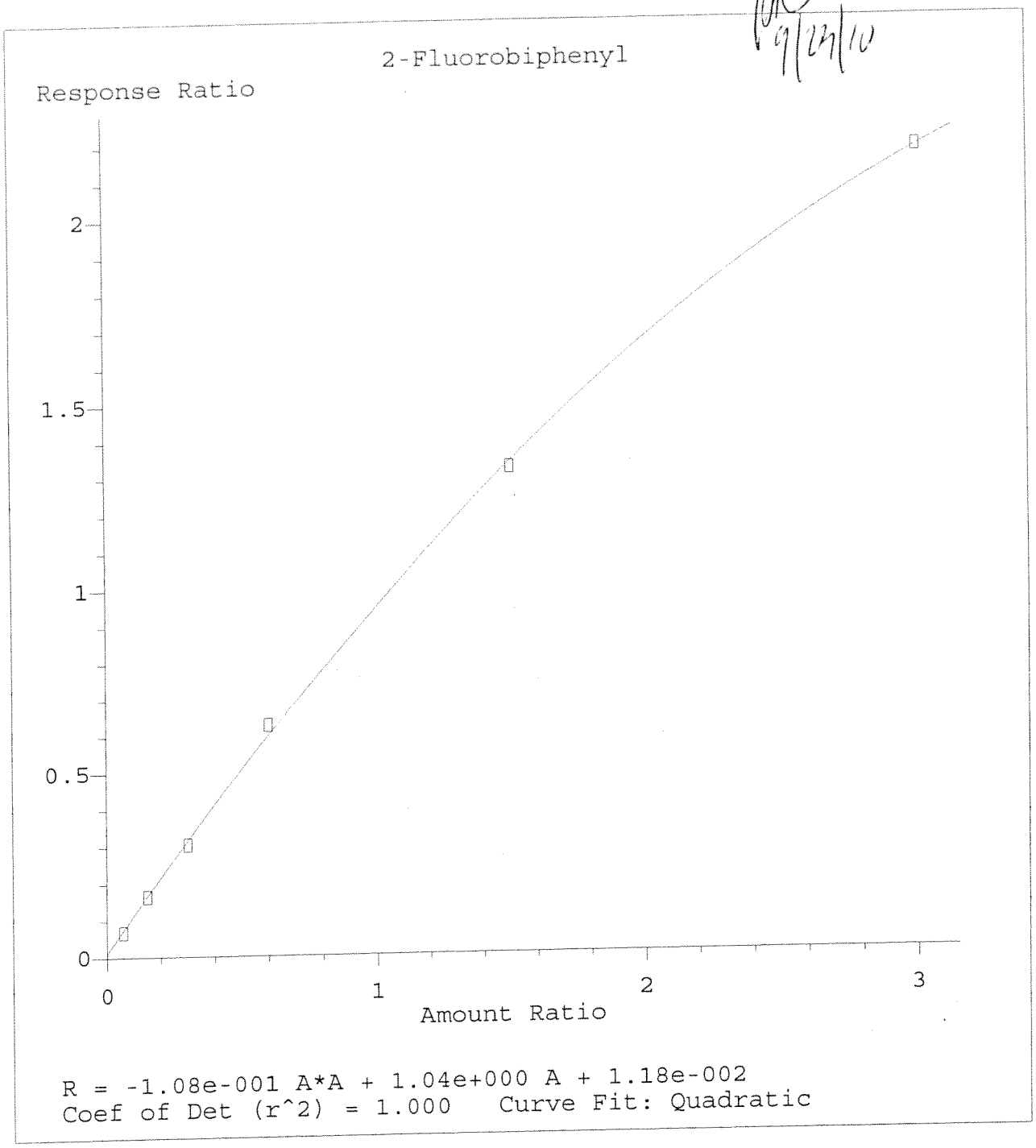
9/23/10



092310

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:11 2010

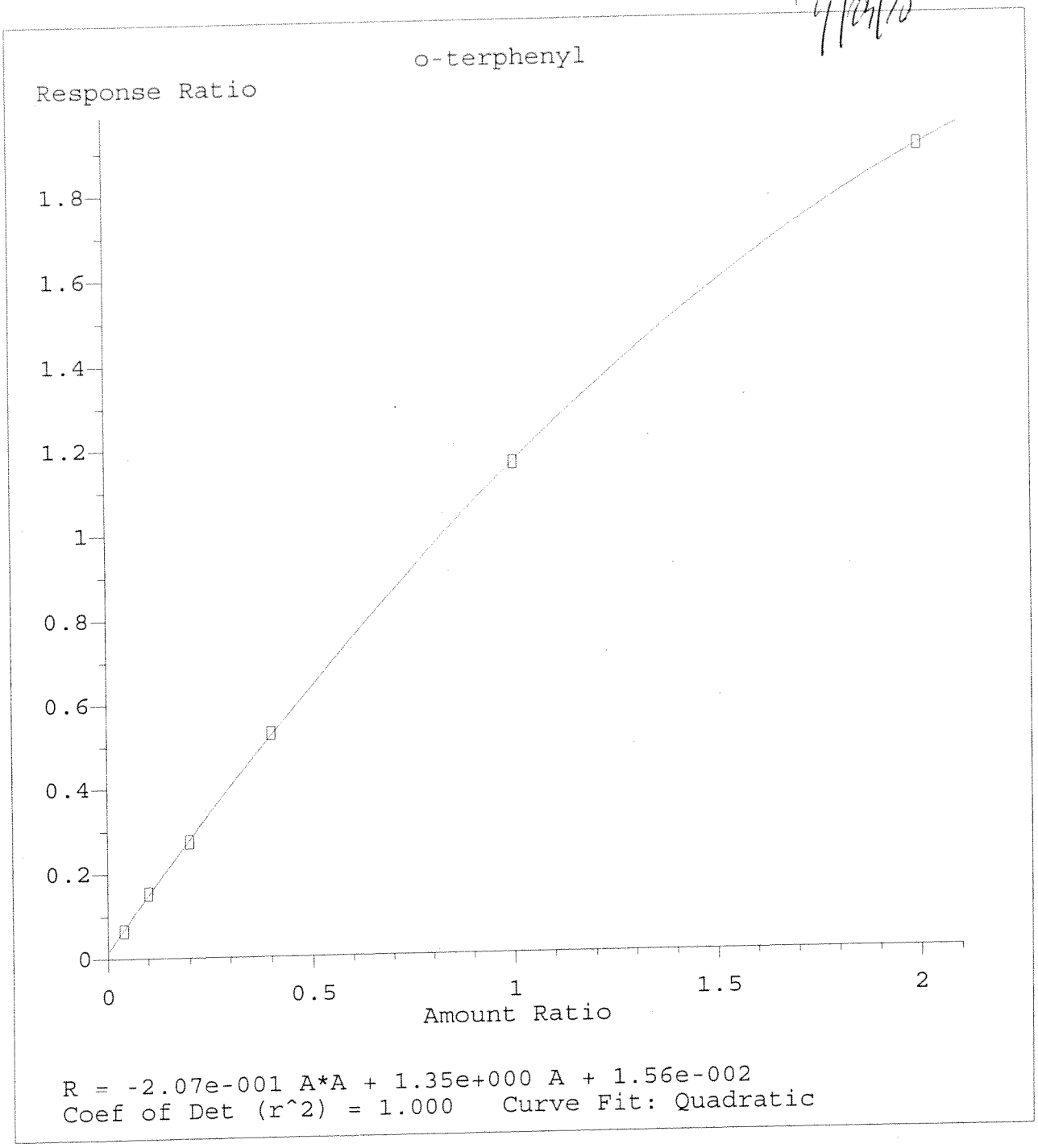
9/27/10



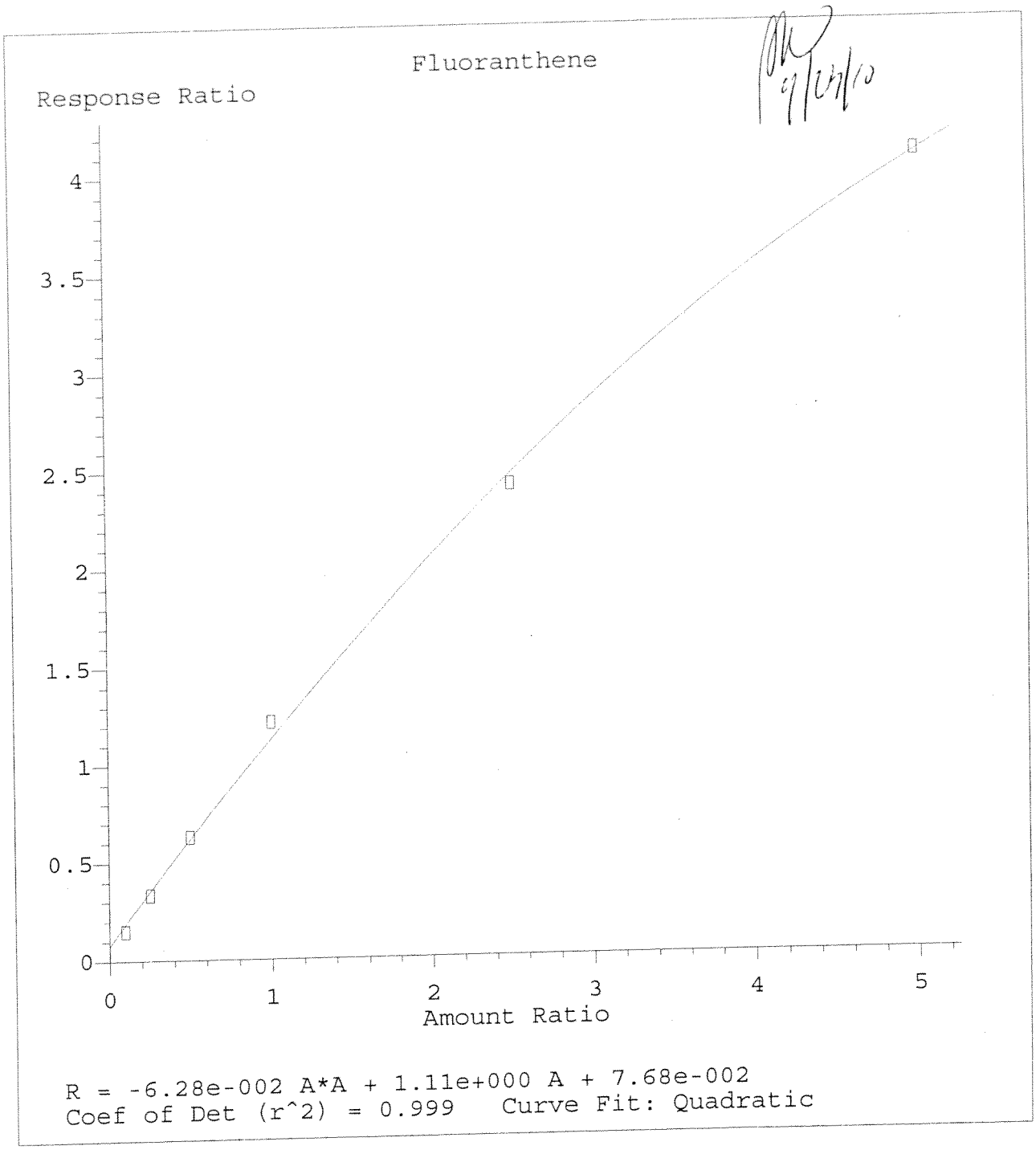
Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:16 2010

J42310

PM
9/23/10



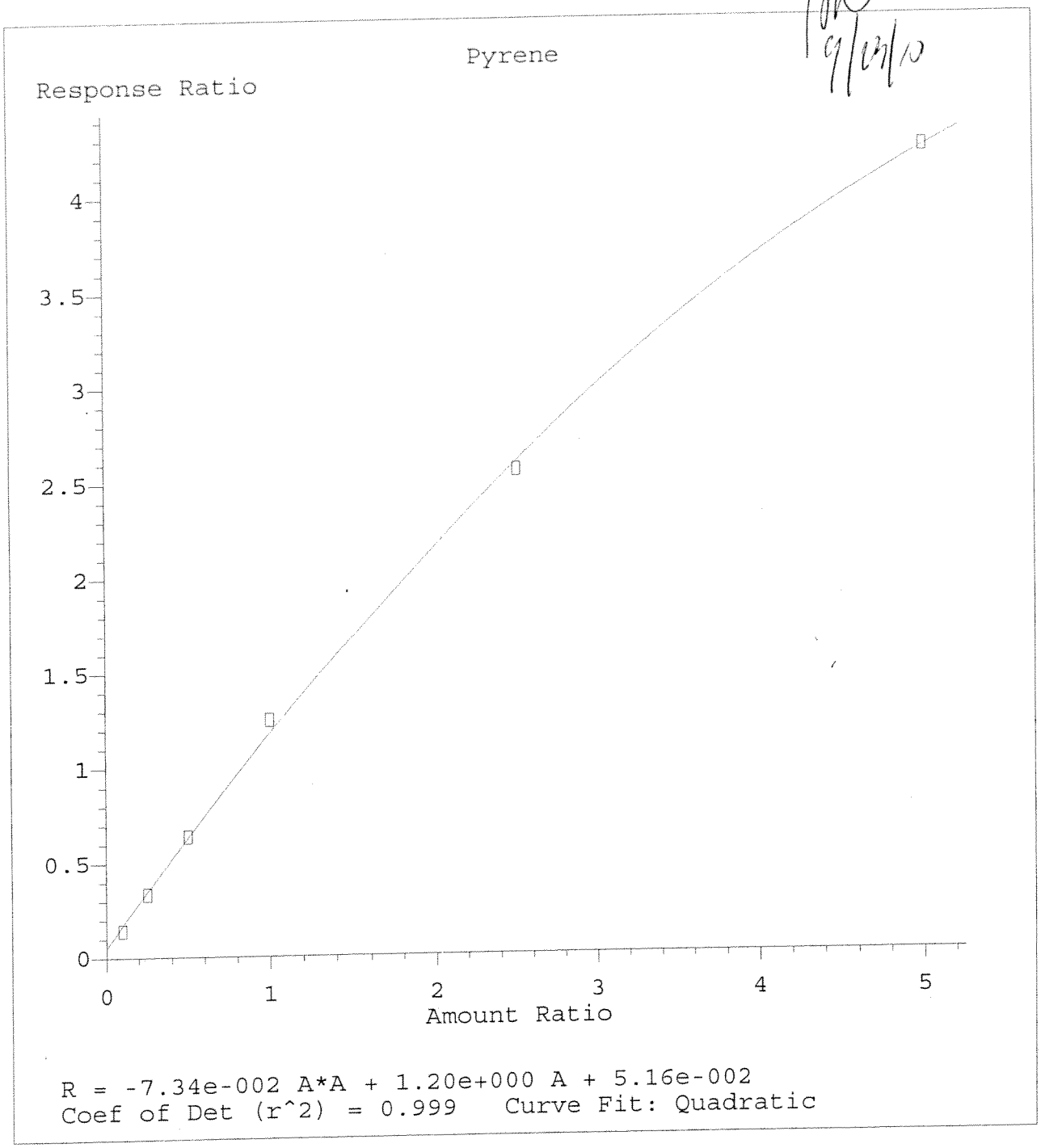
Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:21 2010 JG2310



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:28 2010

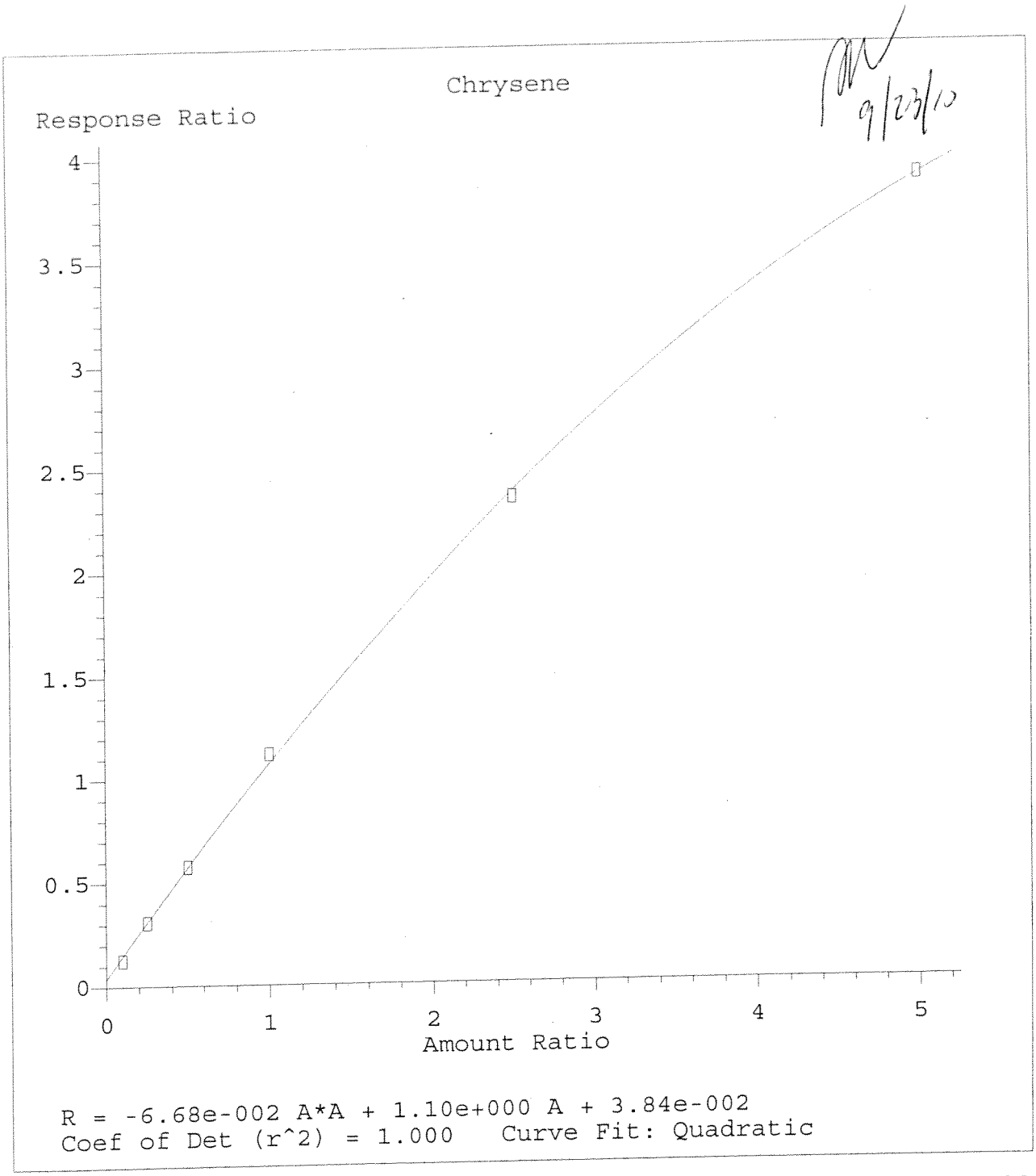
D92310

9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:32 2010

092310

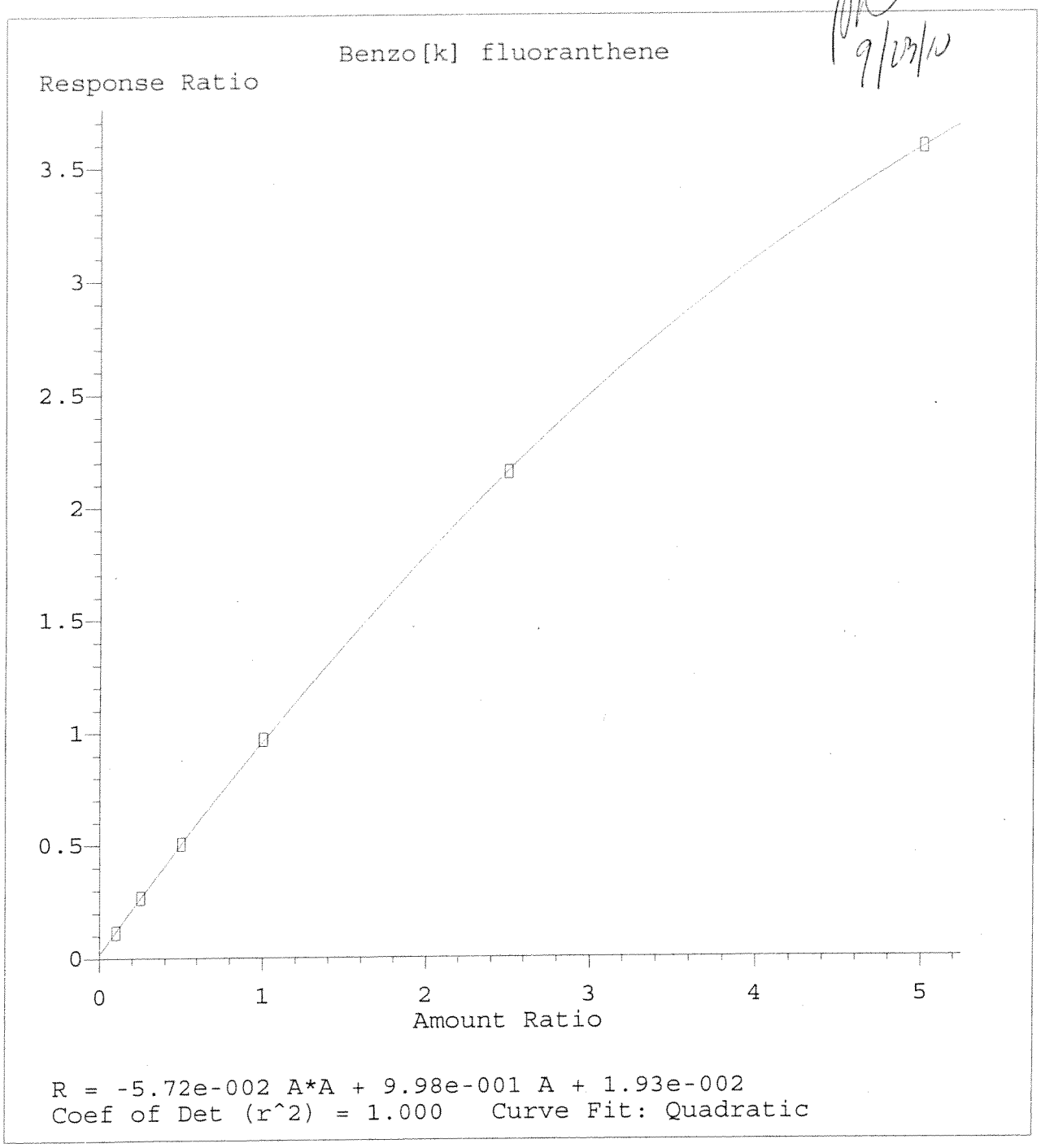


9/23/10

J9230

Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:37 2010

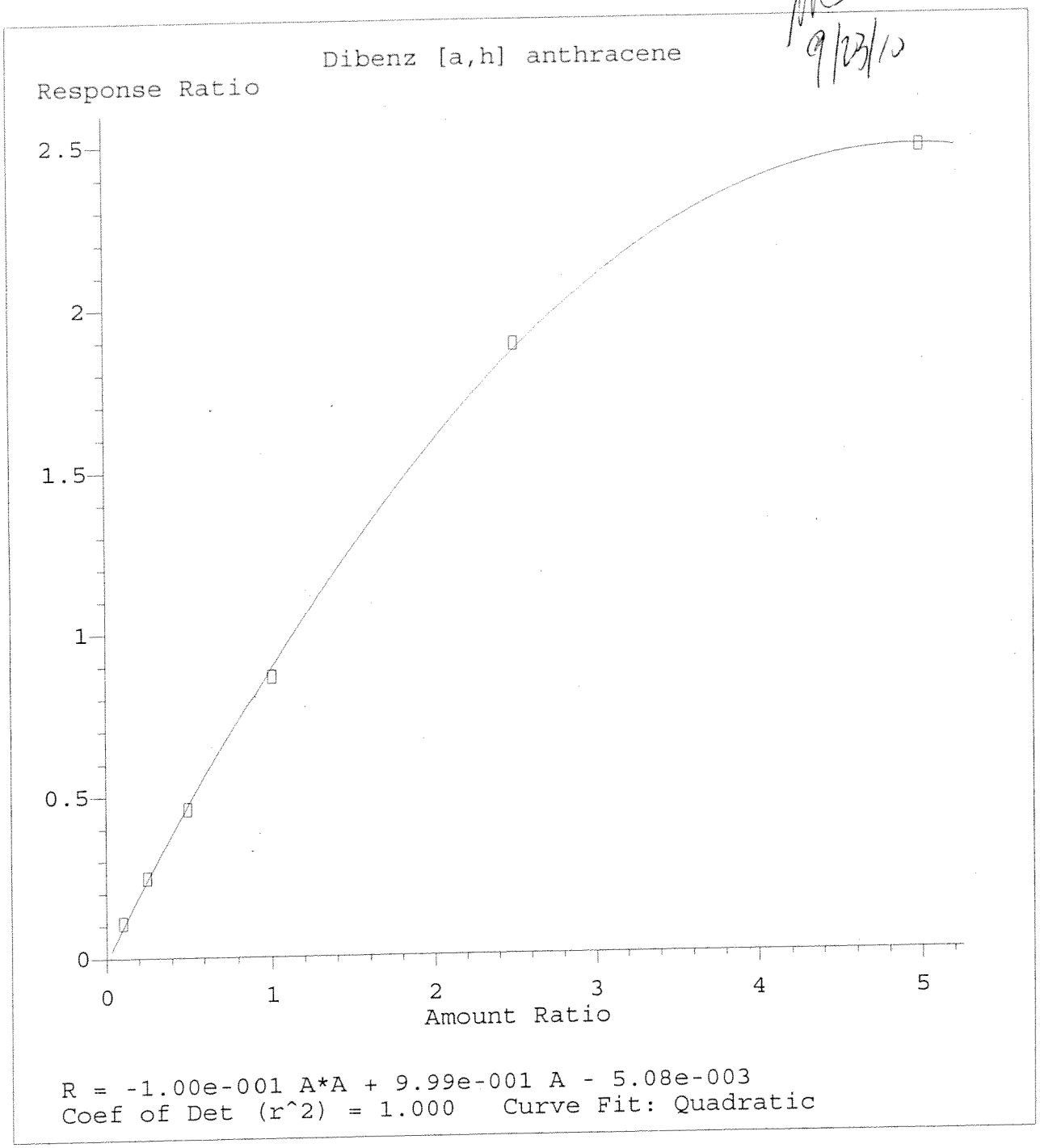
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:46 2010

J92310

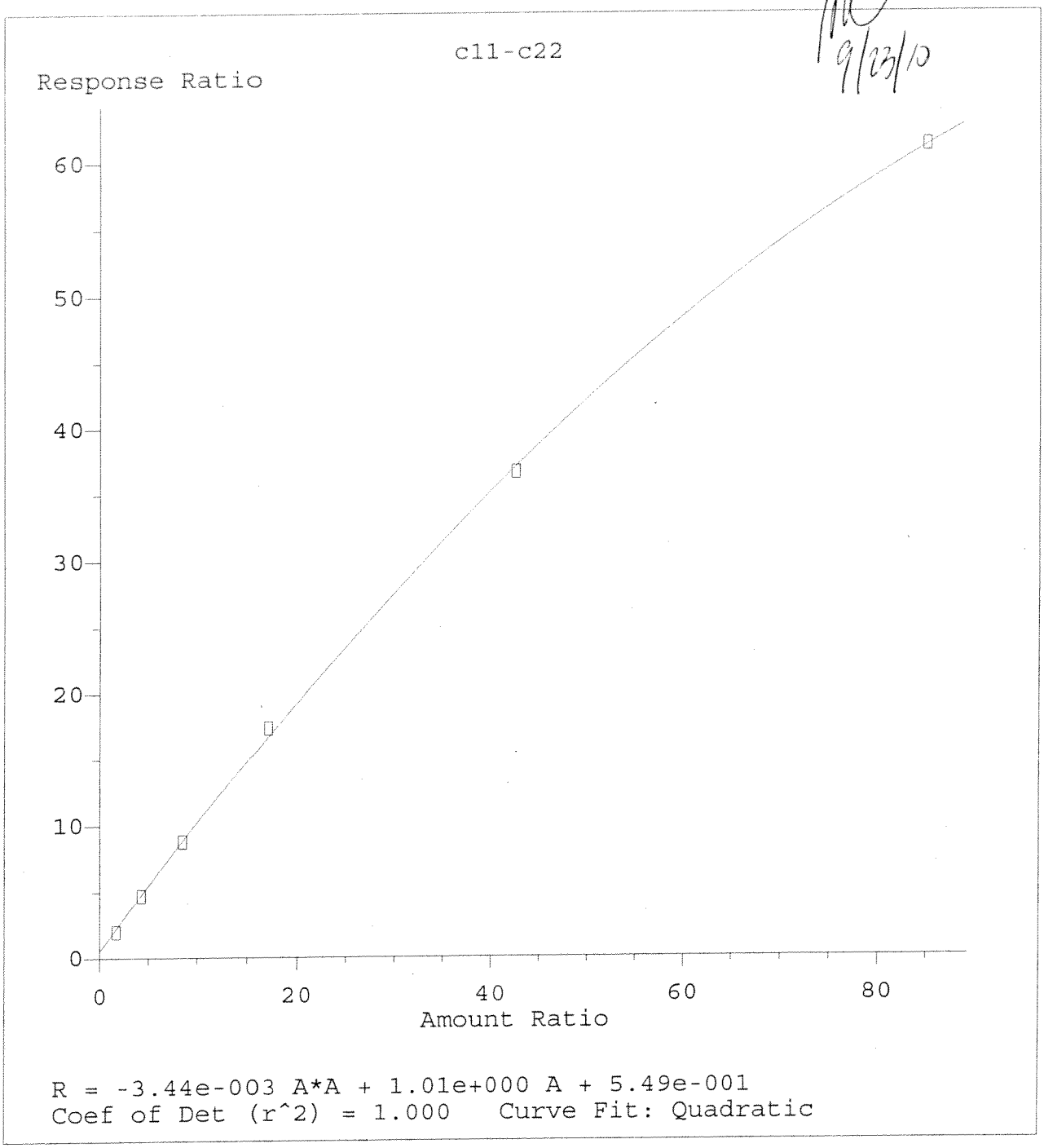
9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:43:54 2010

5923W

MC 9/23/10



Method Name: C:\msdchem\1\METHODS\ARG092110.M
Calibration Table Last Updated: Wed Sep 22 04:44:05 2010

392300

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35922SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:27 am
Operator : AR/MG
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:51 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MC 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	22928836	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.439	1572111	1.476 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	7.38%#
10) S 2-Bromonaphthalene	5.967	1021466	1.308 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	6.54%#
11) S o-terphenyl	7.480	1499057	1.023 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	5.11%#
Target Compounds			
2) TZ Naphthalene	4.561	2433384	2.311 ug/ml
3) TZ 2-Methylnaphthalene	5.132	2569036	2.186 ug/ml
4) TZ Acenaphthylene	5.852	2540497	2.559 ug/ml
5) TZ Acenaphthene	5.993	3211667	1.929 ug/ml
6) TZ Fluorene	6.412	2970480	2.277 ug/ml
7) TZ Phenanthrene	7.177	2883331	2.554 ug/ml
8) TZ Anthracene	7.218	2937935	1.924 ug/ml
12) TZ Fluoranthene	8.133	3438983	2.614 ug/ml
13) TZ Pyrene	8.327	3274310	2.402 ug/ml
14) TZ Benzo[a]anthracene	9.604	2682202	2.286 ug/ml
15) TZ Chrysene	9.647	2866168	2.226 ug/ml
16) TZ Benzo[b] fluoranthene	✓11.097	2621453	2.583 ug/ml
17) TZ Benzo[k] fluoranthene	11.141	2596322	2.199 ug/ml
18) TZ Benzo[a] pyrene	11.585	2211317	2.059 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.333	1821277	2.275 ug/ml
20) TZ Dibenz [a,h] anthracene	13.398	2467505	3.273 ug/ml
21) TZ Benzo(g,h,i) perylene	13.728	2179569	2.150 ug/ml
22) XH c11-c22	12.565	74583549	68.249 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

092310

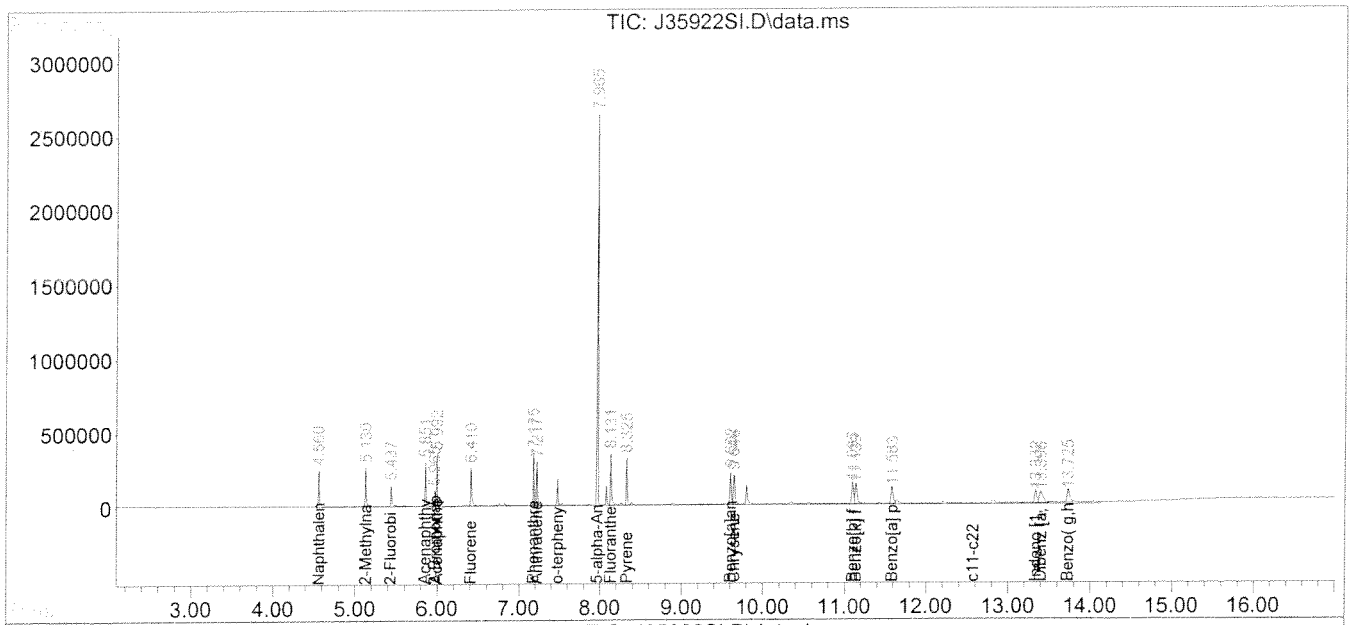
Quantitation Report (Not Reviewed)

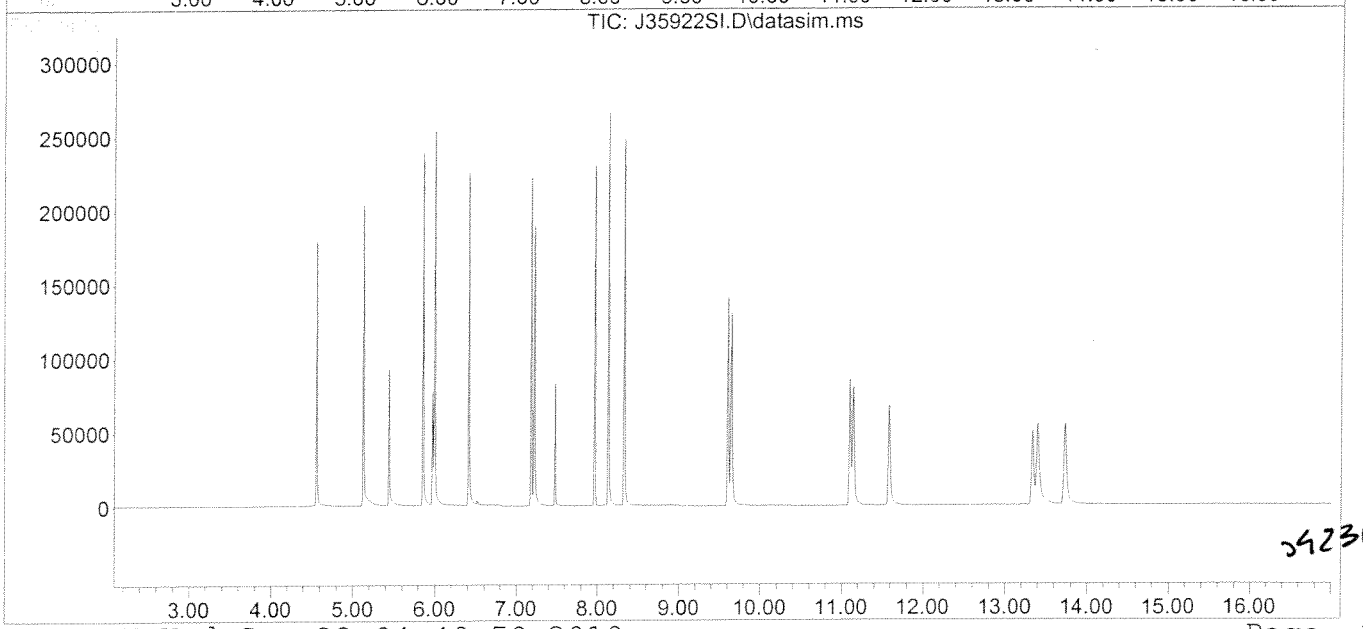
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35922SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:27 am
Operator : AR/MG
Sample : S9706 ARO 2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:51 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35923SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:50 am
Operator : AR/MG
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:52 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	23619712	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	3890246	3.547 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	17.73%#
10) S 2-Bromonaphthalene	5.965	2987392	3.714 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	18.57%#
11) S o-terphenyl	7.480	3630266	2.405 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	12.03%#
Target Compounds			
2) TZ Naphthalene	4.561	6003017	5.713 ug/ml
3) TZ 2-Methylnaphthalene	5.131	6032519	5.367 ug/ml
4) TZ Acenaphthylene	5.852	6434922	6.293 ug/ml
5) TZ Acenaphthene	5.993	7260127	5.418 ug/ml
6) TZ Fluorene	6.410	7092714	5.552 ug/ml
7) TZ Phenanthrene	7.176	7327160	6.300 ug/ml
8) TZ Anthracene	7.217	7211768	5.572 ug/ml
12) TZ Fluoranthene	8.133	7881059	5.816 ug/ml
13) TZ Pyrene	8.327	7924744	5.643 ug/ml
14) TZ Benzo[a]anthracene	9.605	6714404	5.554 ug/ml
15) TZ Chrysene	9.649	7267978	5.480 ug/ml
16) TZ Benzo[b] fluoranthene	11.100	6104610	5.838 ug/ml
17) TZ Benzo[k] fluoranthene	11.143	6285793	5.169 ug/ml
18) TZ Benzo[a] pyrene	11.585	5619057	5.079 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.335	4535192	5.498 ug/ml
20) TZ Dibenz [a,h] anthracene	13.400	5813925	5.578 ug/ml
21) TZ Benzo(g,h,i) perylene	13.730	5660534	5.421 ug/ml
22) XH c11-c22	12.565	140051758	124.408 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

JS 2310

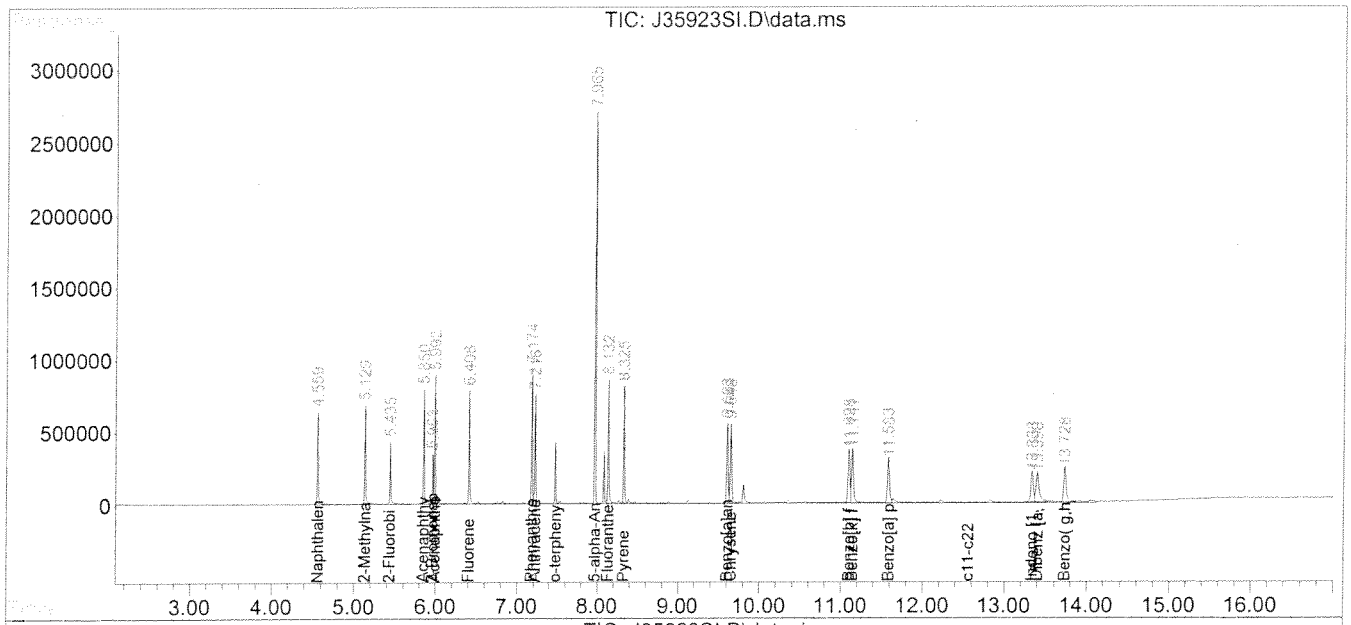
Quantitation Report (Not Reviewed)

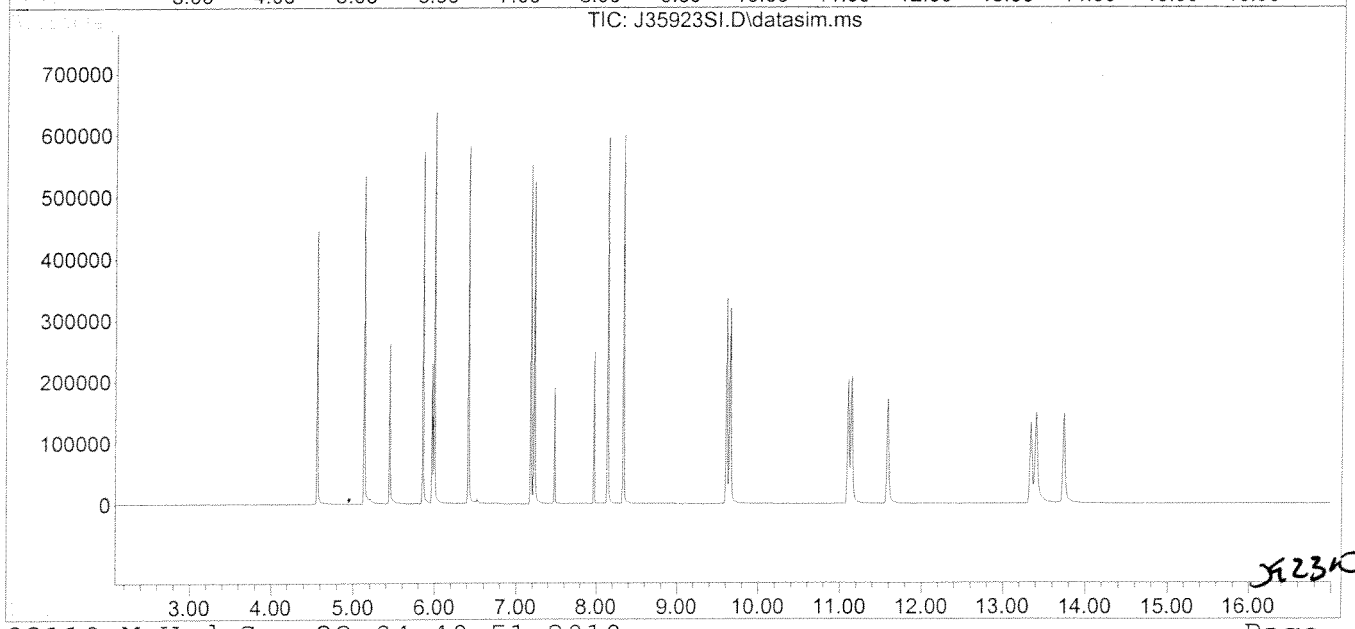
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35923SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 1:50 am
Operator : AR/MG
Sample : S9707 ARO 5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:52 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MK 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





JL2340

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35924SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:13 am
Operator : AR/MG
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:53 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MK 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	24272930	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	7402116	6.567 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	32.84%#
10) S 2-Bromonaphthalene	5.965	5826205	7.049 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	35.25%#
11) S o-terphenyl	7.480	6630919	4.275 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	21.38%#
Target Compounds			
2) TZ Naphthalene	4.561	11434307	10.857 ug/ml
3) TZ 2-Methylnaphthalene	5.131	11718803	10.564 ug/ml
4) TZ Acenaphthylene	5.852	12092552	11.507 ug/ml
5) TZ Acenaphthene	5.994	13269136	10.546 ug/ml
6) TZ Fluorene	6.410	13067103	10.252 ug/ml
7) TZ Phenanthrene	7.177	13845791	11.585 ug/ml
8) TZ Anthracene	7.218	12947128	10.392 ug/ml
12) TZ Fluoranthene	8.134	15251514	10.952 ug/ml
13) TZ Pyrene	8.328	15495917	10.738 ug/ml
14) TZ Benzo[a]anthracene	9.606	13168752	10.600 ug/ml
15) TZ Chrysene	9.651	13946771	10.232 ug/ml
16) TZ Benzo[b] fluoranthene	11.105	11706931	10.894 ug/ml
17) TZ Benzo[k] fluoranthene	11.147	12254007	9.805 ug/ml
18) TZ Benzo[a] pyrene	11.587	11835748	10.410 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.340	9055590	10.683 ug/ml
20) TZ Dibenz [a,h] anthracene	13.405	11167273	9.270 ug/ml
21) TZ Benzo(g,h,i) perylene	13.739	10792220	10.057 ug/ml
22) XH c11-c22	12.565	245778819	212.450 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

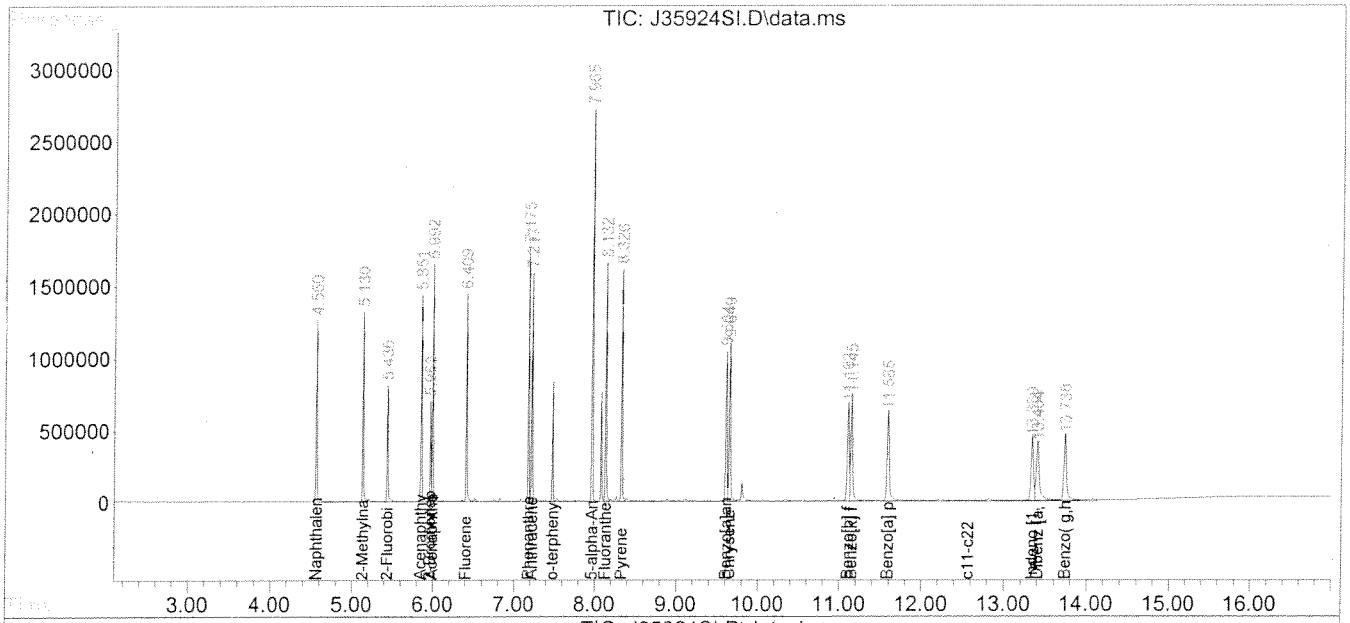
09230

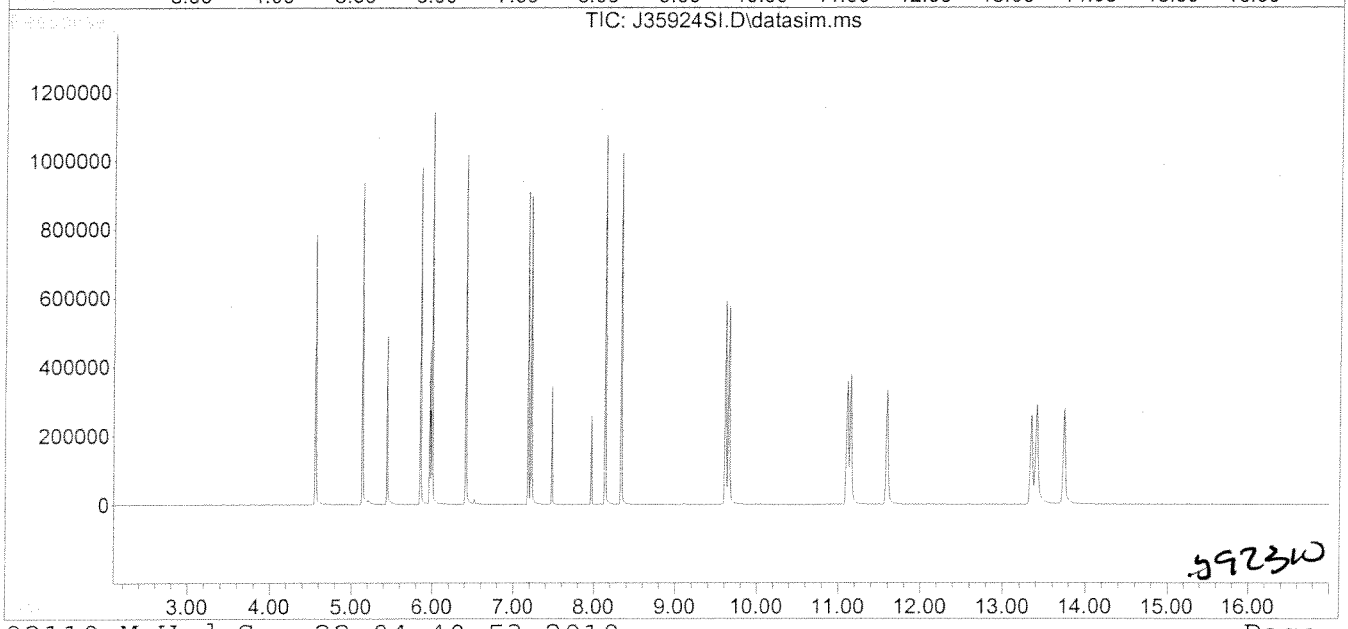
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35924SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:13 am
Operator : AR/MG
Sample : S9708 ARO 10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:53 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J92310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35925SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:36 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:54 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

AR 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	22239308	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	13990831	13.547 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	67.73%
10) S 2-Bromonaphthalene	5.966	10895639	14.387 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	71.94%
11) S o-terphenyl	7.481	11763151	8.277 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	41.38%
Target Compounds			
2) TZ Naphthalene	4.562	21150914	23.033 ug/ml
3) TZ 2-Methylnaphthalene	5.132	21485348	22.323 ug/ml
4) TZ Acenaphthylene	5.854	22074718	22.927 ug/ml
5) TZ Acenaphthene	5.996	23694675	22.303 ug/ml
6) TZ Fluorene	6.412	24214128	21.814 ug/ml
7) TZ Phenanthrene	7.178	25067464	22.893 ug/ml
8) TZ Anthracene	7.220	23916772	22.493 ug/ml
12) TZ Fluoranthene	8.136	27069855	21.216 ug/ml
13) TZ Pyrene	8.331	27809253	21.032 ug/ml
14) TZ Benzo[a]anthracene	9.611	23985225	21.072 ug/ml
15) TZ Chrysene	9.657	24893029	19.933 ug/ml
16) TZ Benzo[b] fluoranthene	11.112	21554912	21.893 ug/ml
17) TZ Benzo[k] fluoranthene	11.158	21529007	18.802 ug/ml
18) TZ Benzo[a] pyrene	11.598	21559022	20.695 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.353	17089347	22.004 ug/ml
20) TZ Dibenz [a,h] anthracene	13.417	19263048	16.811 ug/ml
21) TZ Benzo(g,h,i) perylene	13.758	19389804	19.721 ug/ml
22) XH c11-c22	12.565	430746626	406.383 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

092310

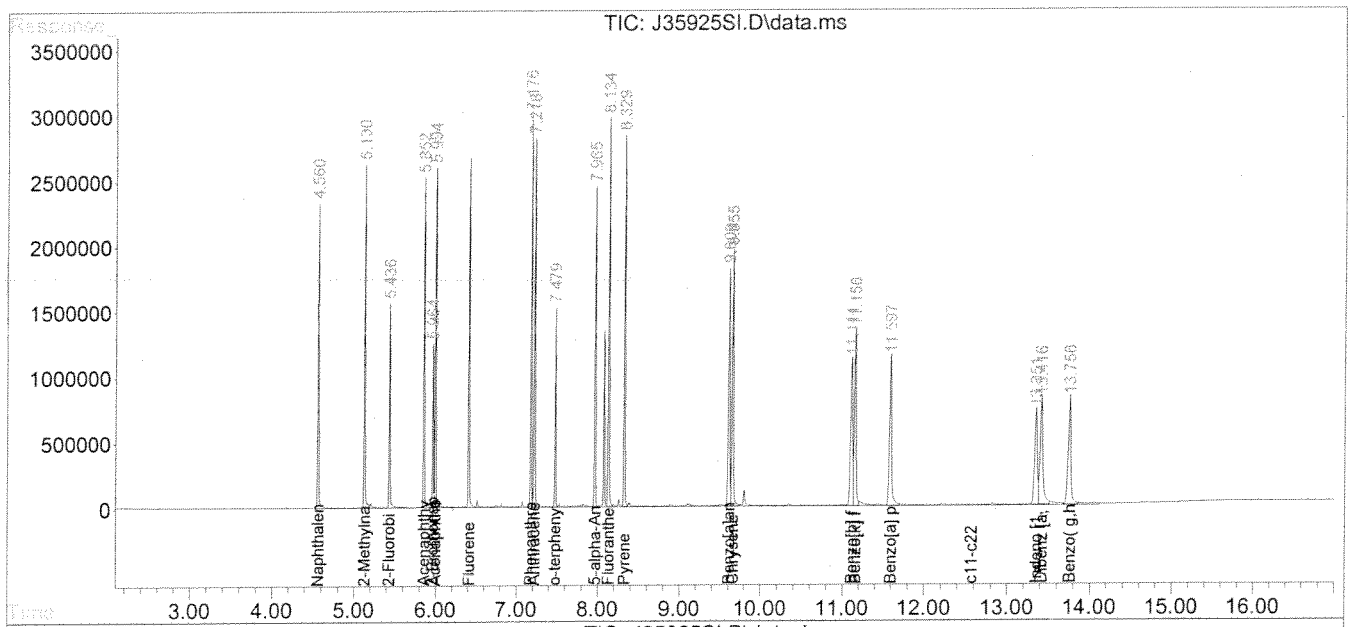
Quantitation Report (Not Reviewed)

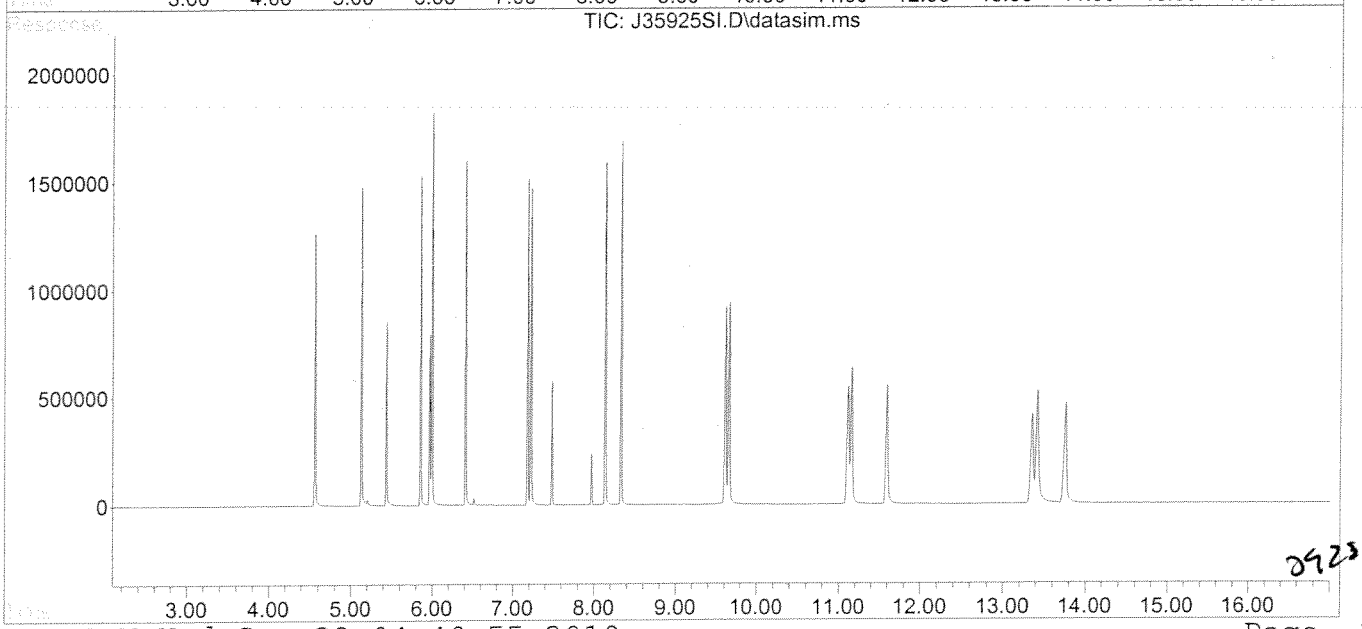
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35925SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:36 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:54 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MR 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092310

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:36:41 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

PN 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	24150972	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.440	31944490	28.483 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	142.41%#
10) S 2-Bromonaphthalene	5.969	26493029	32.213 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	161.07%#
11) S o-terphenyl	7.483	27966431	18.120 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	90.60%
Target Compounds			
2) TZ Naphthalene	4.565	47545610	54.316 ug/ml
3) TZ 2-Methylnaphthalene	5.135	47531094	51.156 ug/ml
4) TZ Acenaphthylene	5.859	49972071	47.793 ug/ml
5) TZ Acenaphthene	6.002	52499297	51.490 ug/ml
6) TZ Fluorene	6.416	54594573	51.124 ug/ml
7) TZ Phenanthrene	7.183	55294539	46.500 ug/ml
8) TZ Anthracene	7.227	51409190	49.523 ug/ml
12) TZ Fluoranthene	8.143	58294513	42.071 ug/ml
13) TZ Pyrene	8.339	61718090	42.983 ug/ml
14) TZ Benzo[a]anthracene	9.622	56893507	46.027 ug/ml
15) TZ Chrysene	9.673	56713061	41.818 ug/ml
16) TZ Benzo[b] fluoranthene	11.128	52406913	49.016 ug/ml
17) TZ Benzo[k] fluoranthene	11.183	51978498	41.802 ug/ml
18) TZ Benzo[a] pyrene	11.620	50661259	44.782 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.383	44171342	52.373 ug/ml
20) TZ Dibenz [a,h] anthracene	13.449	45470375	40.796 ug/mlm
21) TZ Benzo(g,h,i) perylene	13.795	48542566	45.465 ug/ml
22) XH c11-c22	12.565	964214026	837.671 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

092310

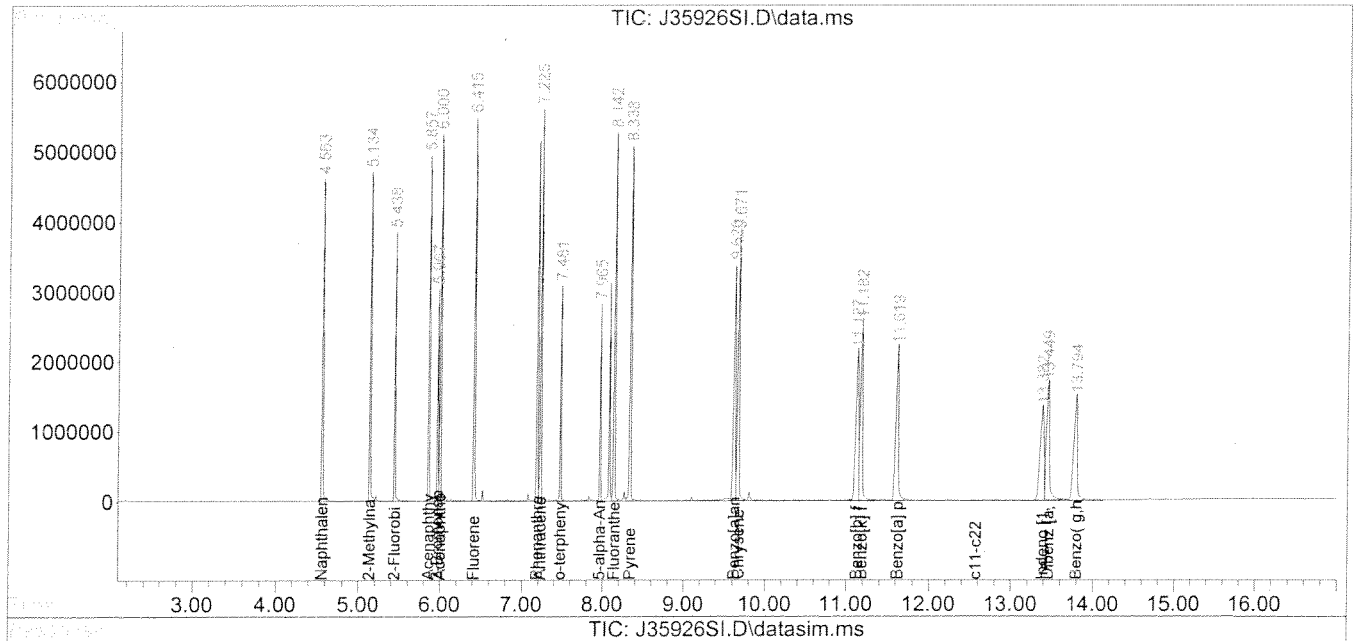
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:36:41 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

AR 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



9/23/10

Quantitation Report (Qedit)

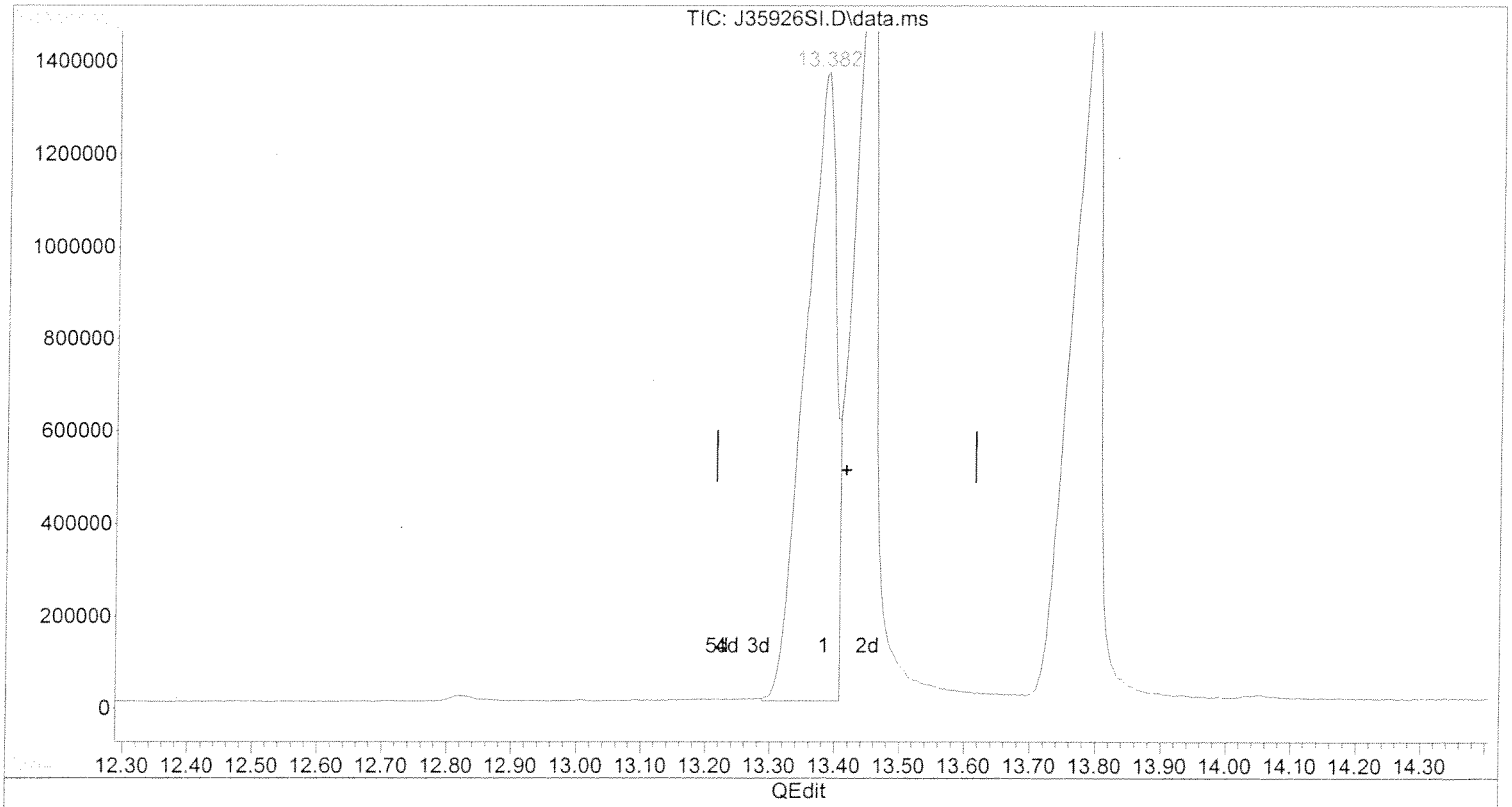
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:55 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MN 9/23/10

WP

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) Dibenz [a,h] anthracene (TZ)
13.383min 39.225ug/ml
response 44171342

SG23W

(+) = Expected Retention Time

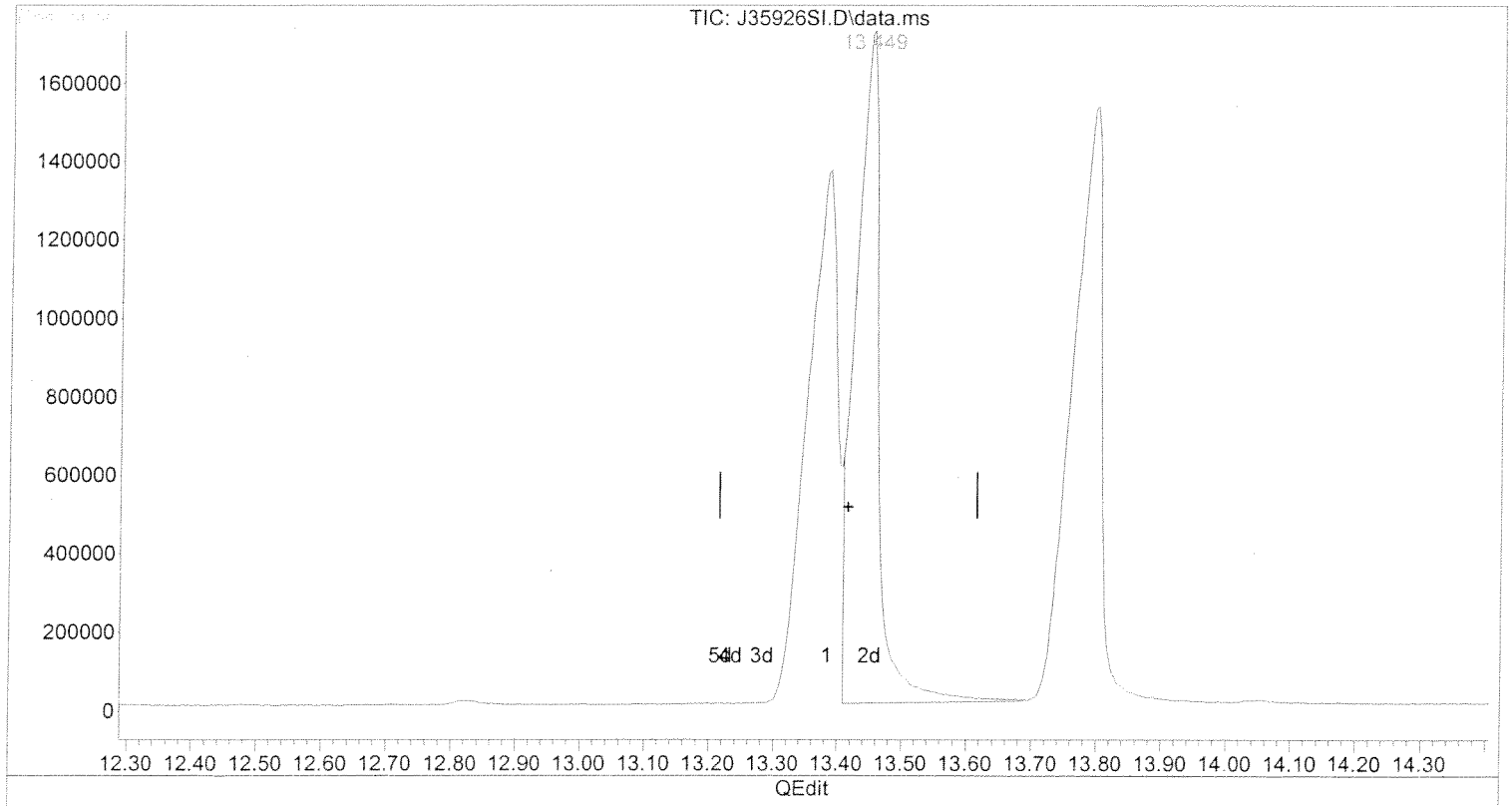
Quantitation Report (QedIt)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35926SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 2:59 am
Operator : AR/MG
Sample : S9710 ARO 50
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:55 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MN 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) Dibenz [a,h] anthracene (TZ)
13.449min 40.796ug/ml m
response 45470375

J92310

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:39:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MC 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	22218719	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.441	48429976	46.938 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	234.69%#
10) S 2-Bromonaphthalene	5.973	40541337	53.582 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	267.91%#
11) S o-terphenyl	7.485	42043889	29.610 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	148.05%#
Target Compounds			
2) TZ Naphthalene	4.568	70243714	135.171 ug/ml
3) TZ 2-Methylnaphthalene	5.139	70541626	107.468 ug/ml
4) TZ Acenaphthylene	5.862	74900709	77.865 ug/ml
5) TZ Acenaphthene	6.006	77685490	102.502 ug/ml
6) TZ Fluorene	6.422	80819943	109.418 ug/ml
7) TZ Phenanthrene	7.189	80996251	74.038 ug/ml
8) TZ Anthracene	7.233	76693076	97.005 ug/ml
12) TZ Fluoranthene	8.150	90771423	71.206 ug/ml
13) TZ Pyrene	8.346	94058473	71.203 ug/ml
14) TZ Benzo[a]anthracene	9.632	90331607	79.434 ug/ml
15) TZ Chrysene	9.685	86298178	69.167 ug/mlm
16) TZ Benzo[b] fluoranthene	11.142	87737474	89.196 ug/ml
17) TZ Benzo[k] fluoranthene	11.204	79552756	69.542 ug/mlm
18) TZ Benzo[a] pyrene	11.641	83723190	80.443 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.435	86593327	111.601 ug/mlm
20) TZ Dibenz [a,h] anthracene	13.477	55014208	64.495 ug/mlm
21) TZ Benzo(g,h,i) perylene	13.824	74420278	75.763 ug/ml
22) XH c11-c22	12.565	1476782142	1394.544 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

09 7310

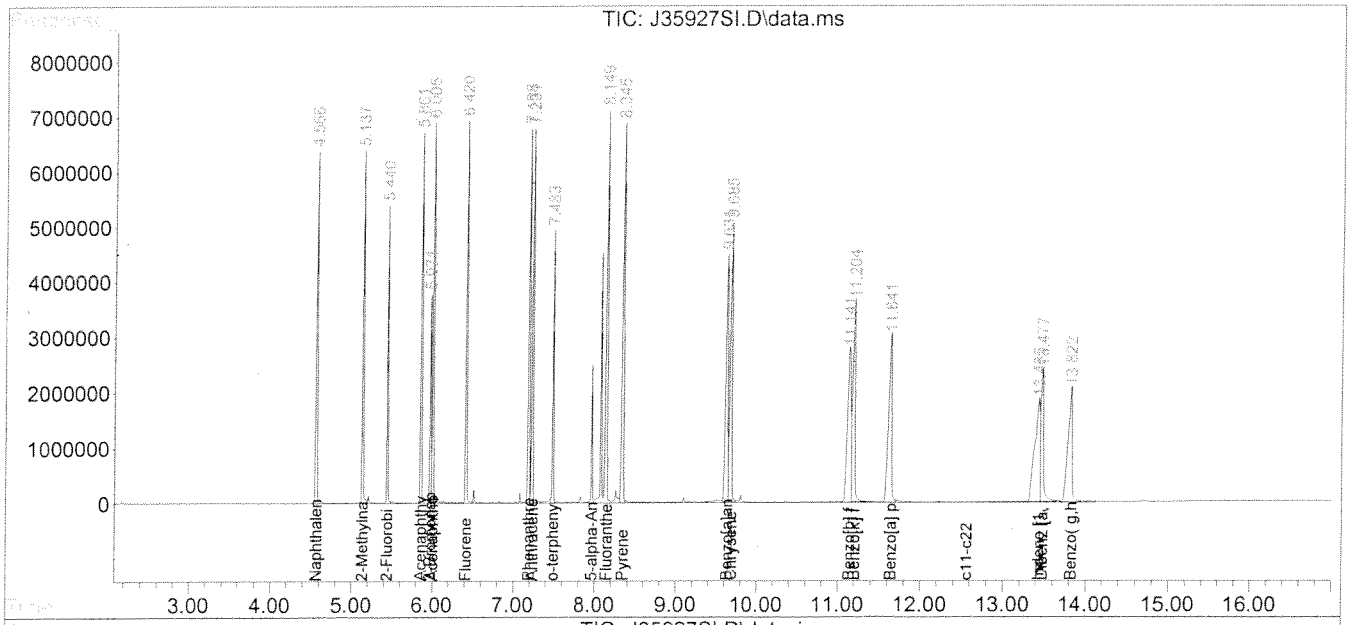
Quantitation Report (Not Reviewed)

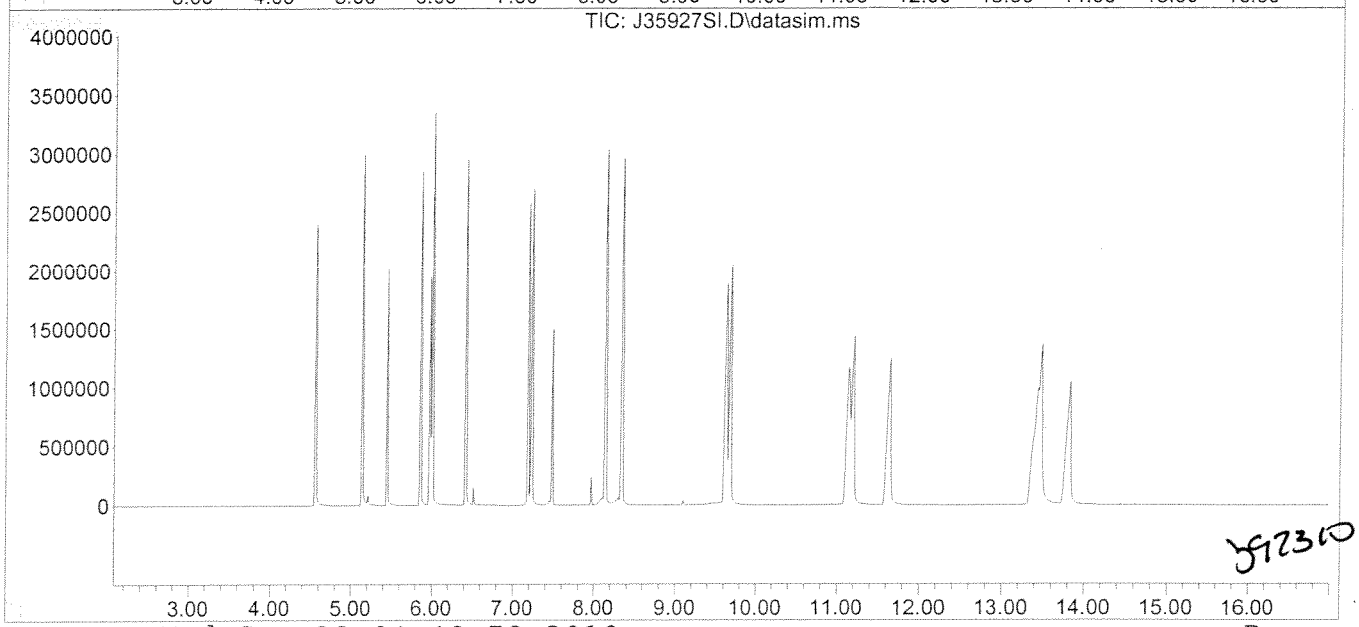
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:39:30 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MC 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





9/23/10

Quantitation Report (QEdit)

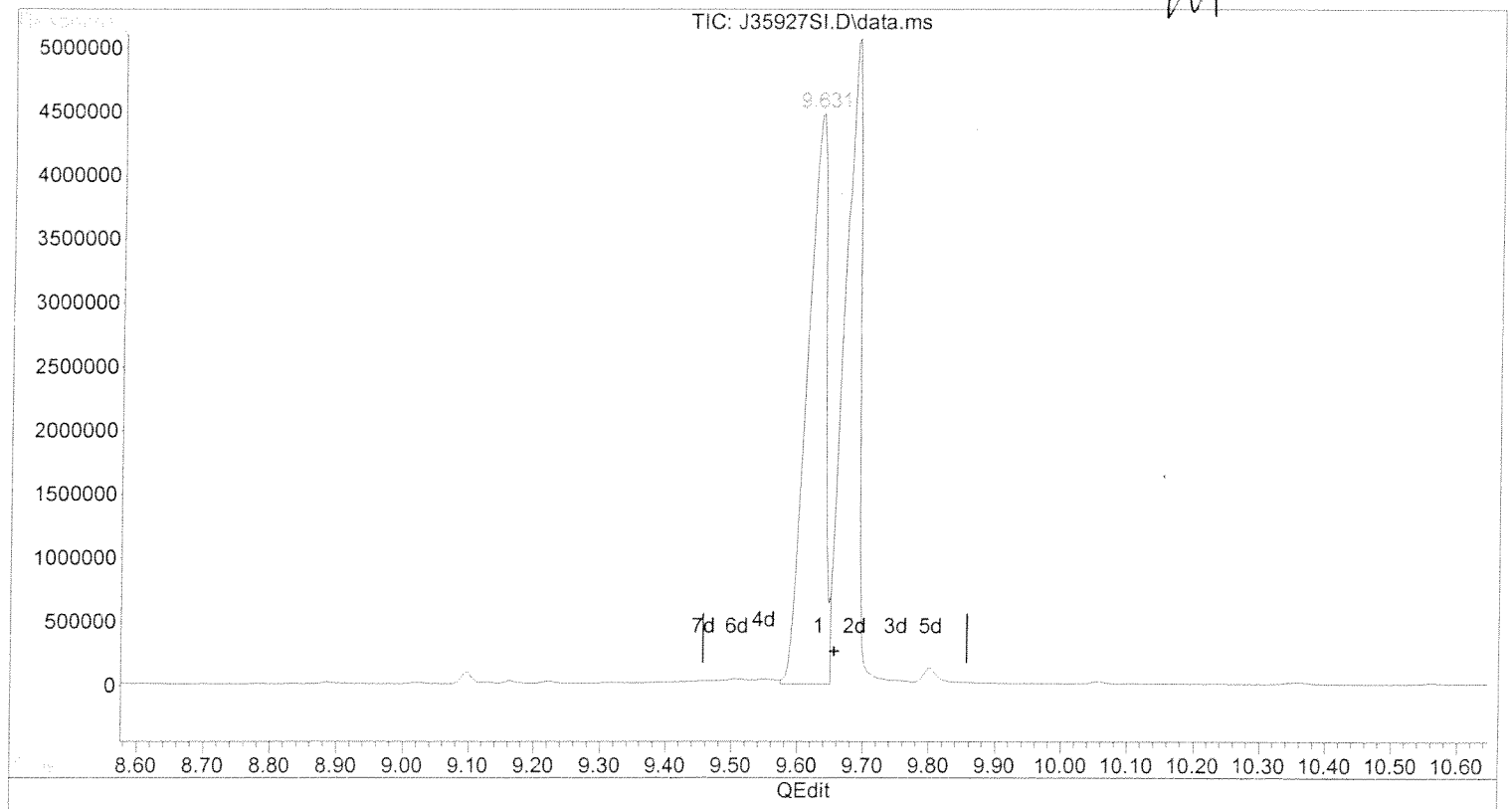
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MK 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

WP



(15) Chrysene (TZ)
9.632min 72.400ug/ml
response 90331607

J92310

(+) = Expected Retention Time

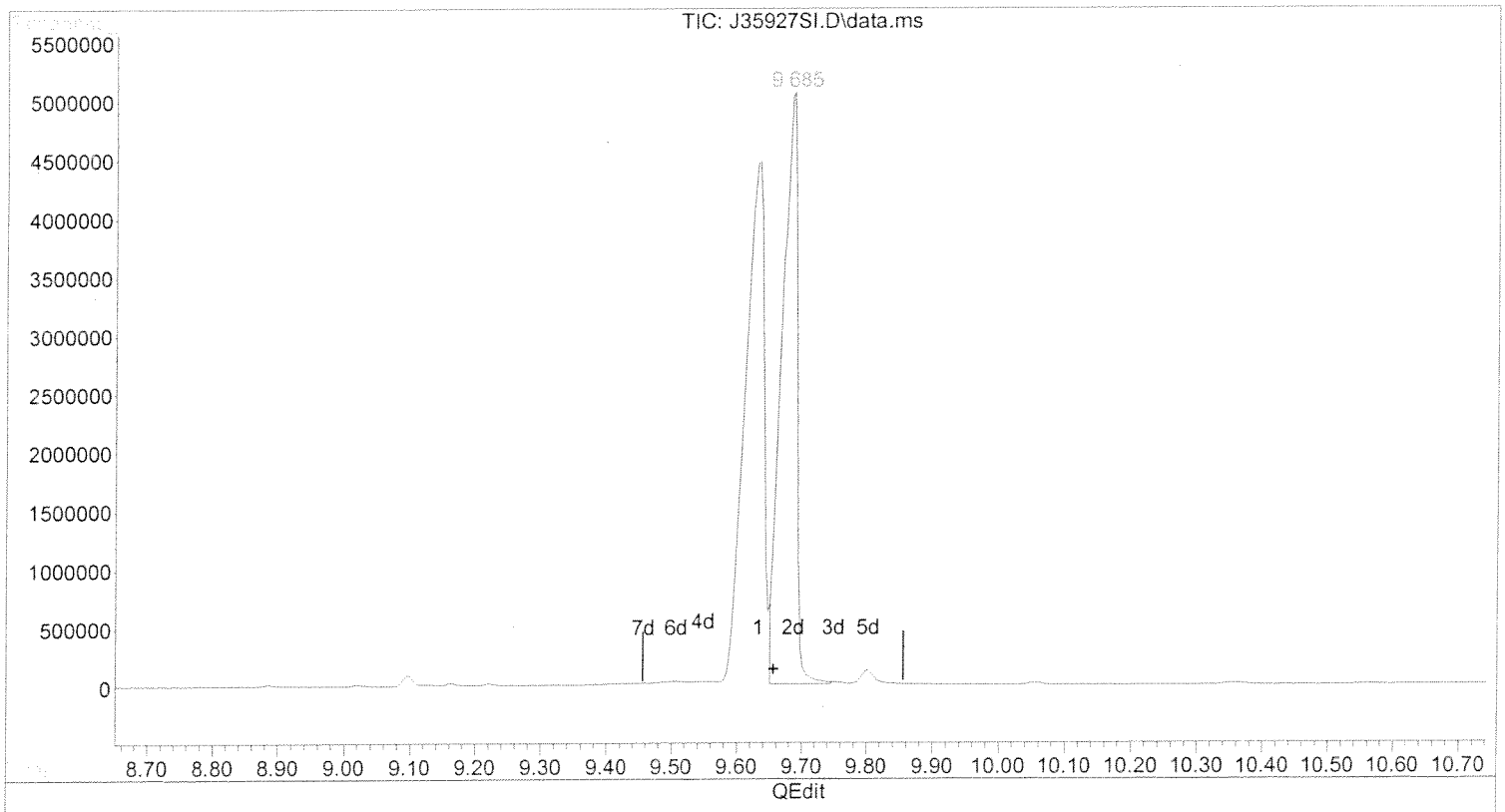
Quantitation Report (QEdit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

PM 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) Chrysene (TZ)
9.685min 69.167ug/ml m
response 86298178

J923W

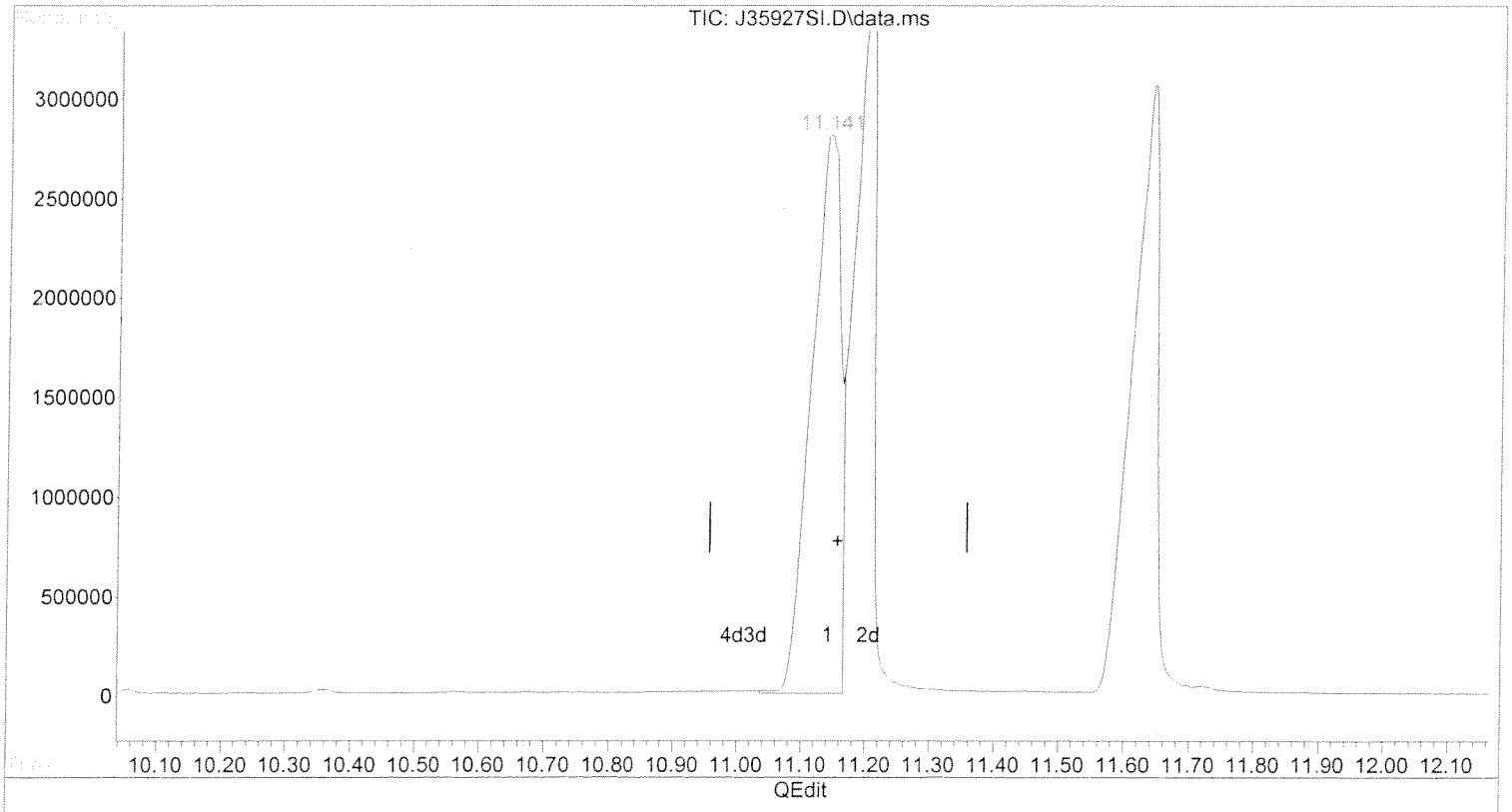
(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

OK
9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) Benzo[k] fluoranthene (TZ)
11.142min 76.697ug/ml
response 87737474

J92340

(+) = Expected Retention Time

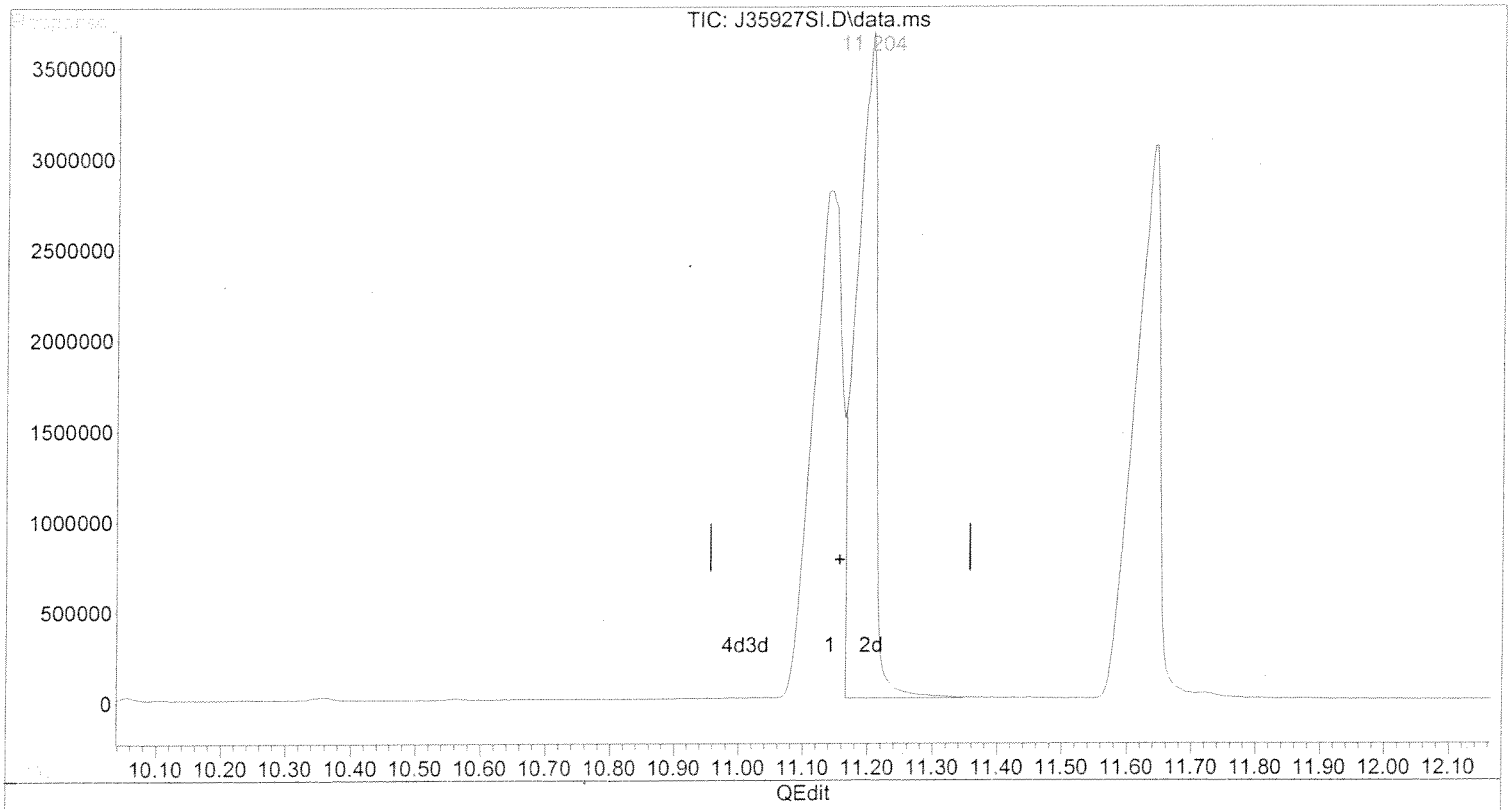
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) Benzo[k] fluoranthene (TZ)
11.204min 69.542ug/ml m
response 79552756

J92310

(+) = Expected Retention Time

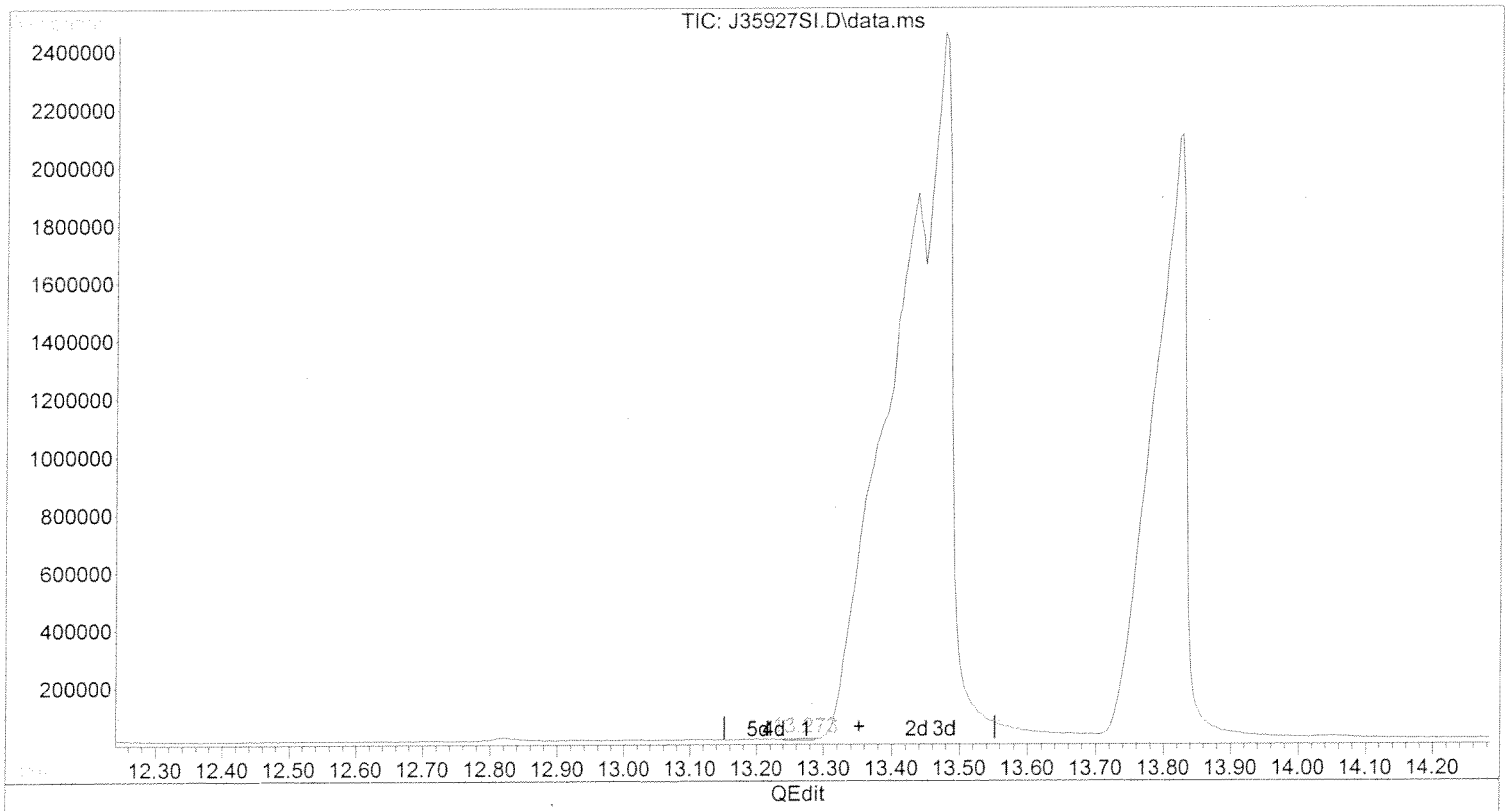
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MC 9/23/10 MP

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) Indeno [1,2,3-cd] pyrene (TZ)
13.275min 0.185ug/ml
response 143244

092215

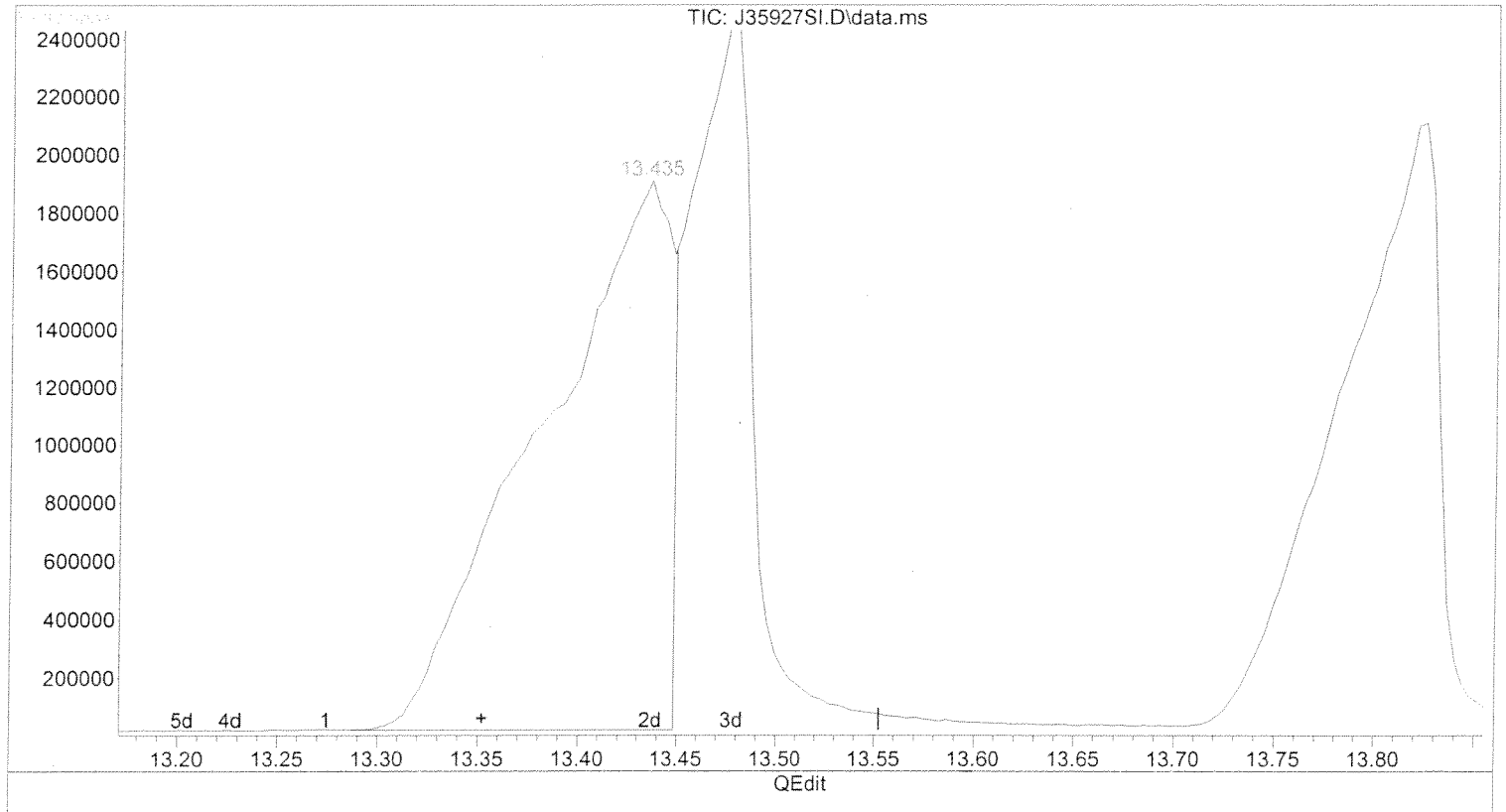
(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MK 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) Indeno [1,2,3-cd] pyrene (TZ)
13.435min 111.601ug/ml m
response 86593327

092310

(+) = Expected Retention Time

Quantitation Report (QEdit)

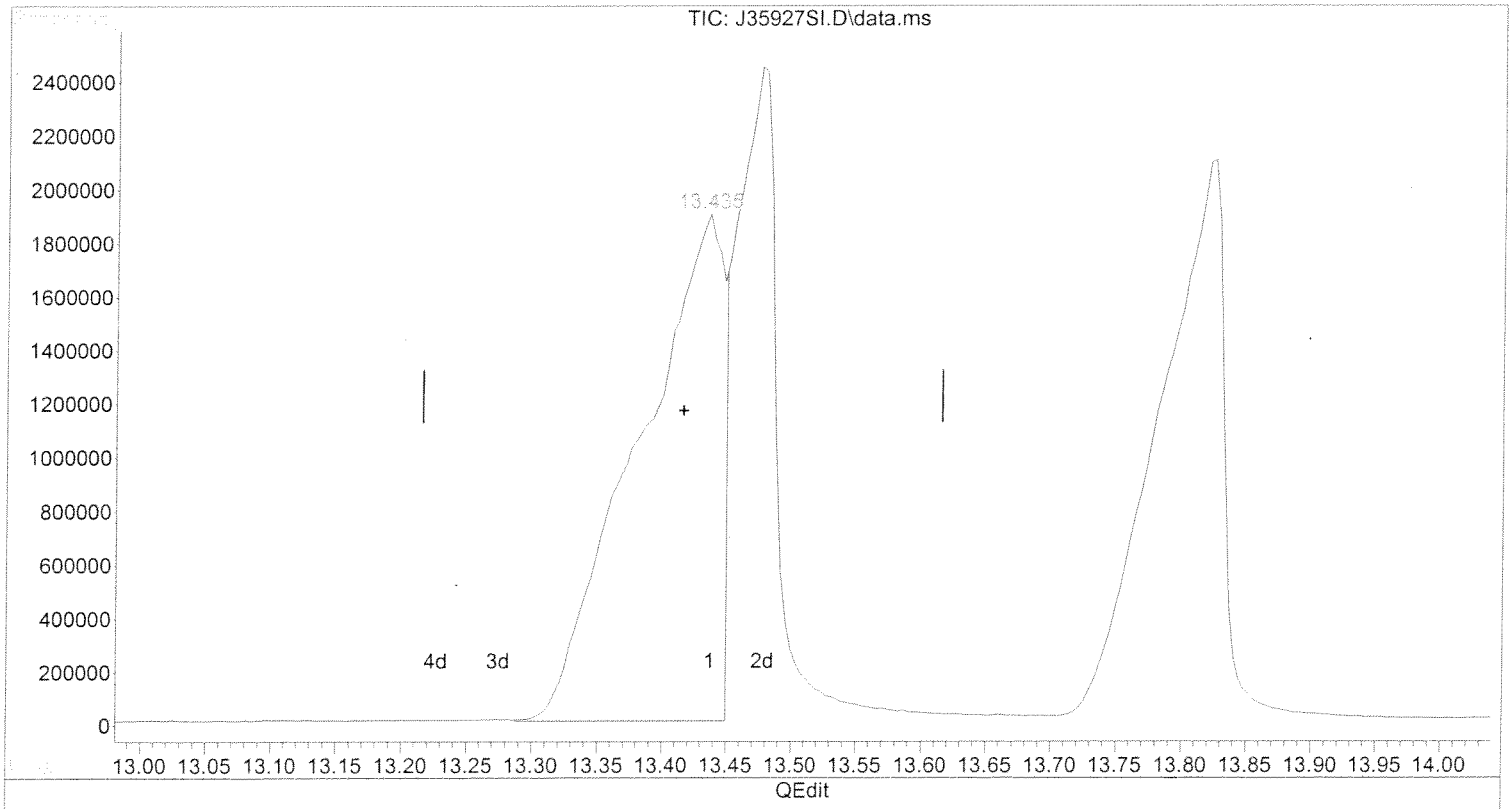
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

MR 9/23/10

WP

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) Dibenz [a,h] anthracene (TZ)
13.437min -20.000ug/ml
response 83831410

J92310

(+) = Expected Retention Time

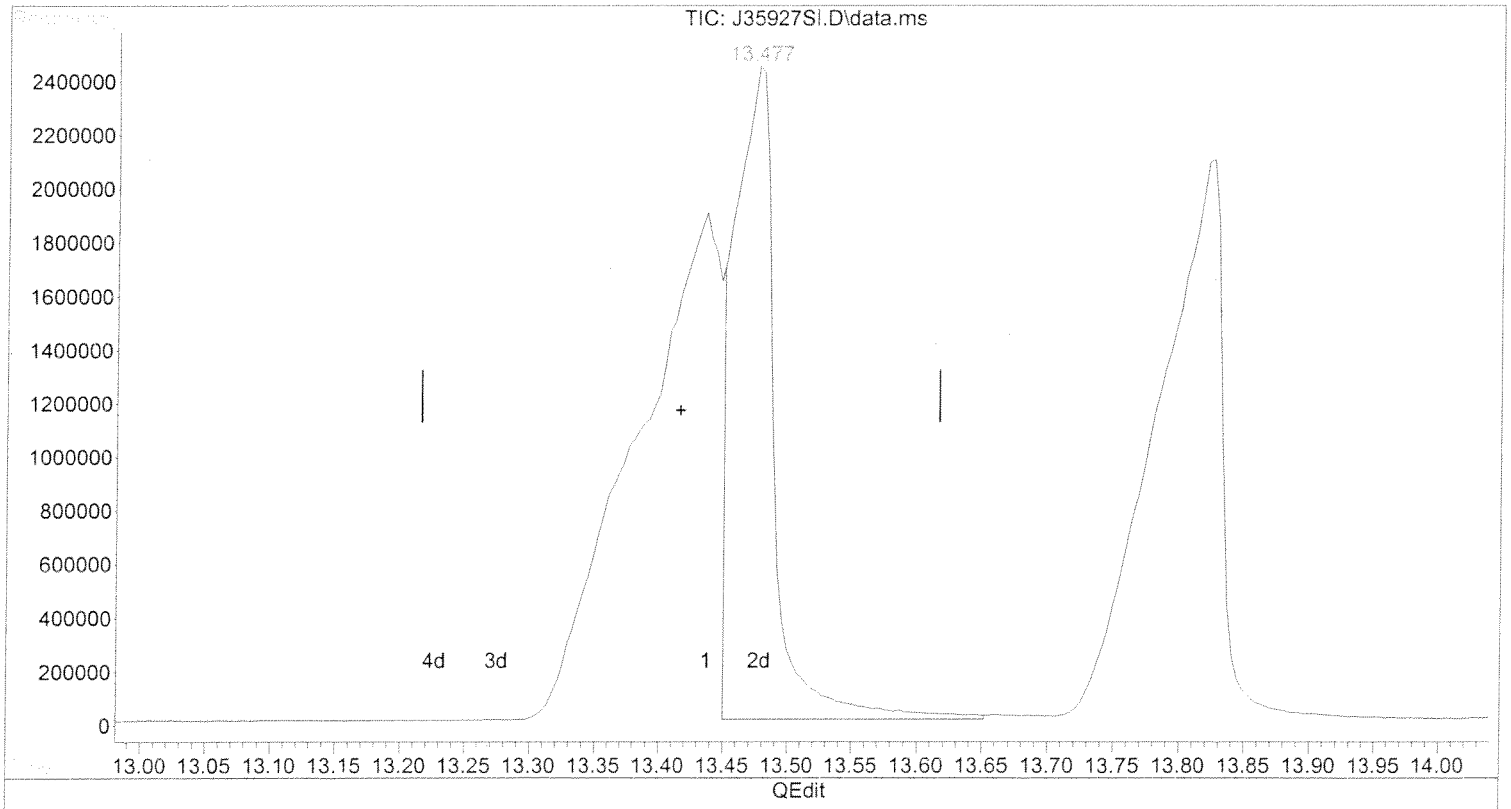
Quantitation Report (QEdit)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35927SI.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:22 am
Operator : AR/MG
Sample : S9711 ARO 100
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:34:56 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:31:00 2010
Response via : Initial Calibration
Integrator: ChemStation

PK 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) Dibenz [a,h] anthracene (TZ)
13.477min 64.495ug/ml m
response 55014208

092310

(+) = Expected Retention Time

MN 9/23/10

GC AROMATIC 2ND SOURCE CHECK

Data File Name J35928.D
Sample Name S9716 ARO 20 ICV
Date Acquired 9/22/2010 3:45

Name	Amount	UG/L EXPECTED	% RECOVERY	LIMIT 80%-120%	PEAK SUM	% RECOVERY	LIMIT 80%-120%
Naphthalene	21.46	20	107%	OK	21.46		
2-Methylnaphthalene	21.56	20	108%	OK	21.56		
Acenaphthylene	21.17	20	106%	OK	21.17		
Acenaphthene	21.39	20	107%	OK	21.39		
Fluorene	20.86	20	104%	OK	20.86		
Phenanthrene	21.30	20	106%	OK	21.30		
Anthracene	21.91	20	110%	OK	21.91		
Fluoranthene	21.69	20	108%	OK	21.69		
Pyrene	20.58	20	103%	OK	20.58		
Benzo[a]anthracene	19.20	20	96%	OK	19.20		
Chrysene	20.15	20	101%	OK	20.15		
Benzo[b] fluoranthene	18.40	20	92%	OK	18.40		
Benzo[k] fluoranthene	19.22	20	96%	OK	19.22		
Benzo[a] pyrene	20.16	20	101%	OK	20.16		
Indeno [1,2,3-cd] pyrene	18.29	20	91%	OK	18.29		
Dibenz [a,h] anthracene	18.00	20	90%	OK	18.00		
Benzo(g,h,i) perylene	18.60	20	93%	OK	18.60		
c11-c22		340			**343.92**	101%	OK
o-terphenyl	20.23	20	101%	OK			

092310

9/22/2010 4:49 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG ICV SUMPRCT.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35928.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:45 am
Operator : AR/MG
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:48:48 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

MC 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	23240829	20.000 ug/ml
System Monitoring Compounds			
10) S 2-Bromonaphthalene	5.995	25056204	28.485 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	142.43%#
11) S o-terphenyl	7.483	27227951	20.234 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	101.17%
Target Compounds			
2) TZ Naphthalene	4.564	22461345	21.455 ug/ml
3) TZ 2-Methylnaphthalene	5.132	22697986	21.560 ug/ml
4) TZ Acenaphthylene	5.855	23227785	21.166 ug/ml
5) TZ Acenaphthene	5.995	25056204	21.388 ug/ml
6) TZ Fluorene	6.413	25148239	20.864 ug/ml
7) TZ Phenanthrene	7.178	26282001	21.299 ug/ml
8) TZ Anthracene	7.221	25219594	21.910 ug/ml
12) TZ Fluoranthene	8.137	28135909	21.688 ug/ml
13) TZ Pyrene	8.331	28136529	20.580 ug/ml
14) TZ Benzo[a]anthracene	9.610	23146635	19.196 ug/ml
15) TZ Chrysene	9.656	25115947	20.146 ug/ml
16) TZ Benzo[b] fluoranthene	11.111	20555994	18.399 ug/ml
17) TZ Benzo[k] fluoranthene	11.156	21517038	19.222 ug/ml
18) TZ Benzo[a] pyrene	11.597	21292990	20.161 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.353	16250518	18.288 ug/ml
20) TZ Dibenz [a,h] anthracene	13.416	18882717	17.998 ug/ml
21) TZ Benzo(g,h,i) perylene	13.754	18532337	18.601 ug/ml
22) XH c11-c22	12.565	424205197	370.225 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

092310

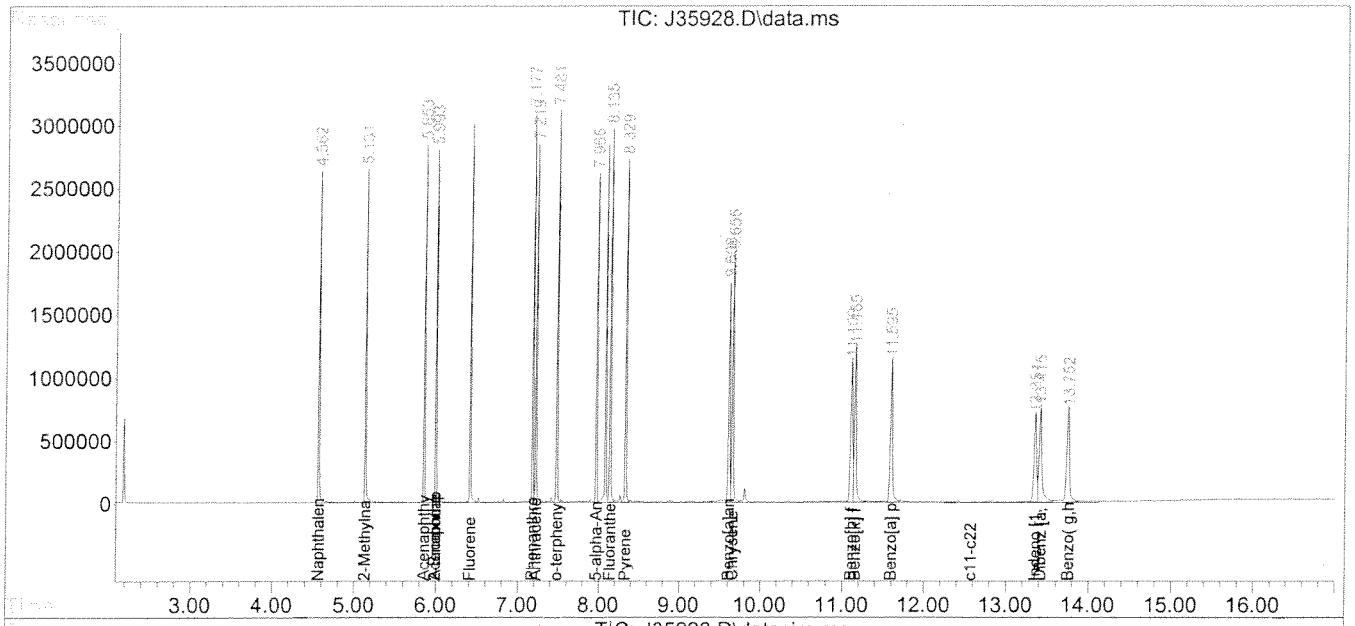
Quantitation Report (Not Reviewed)

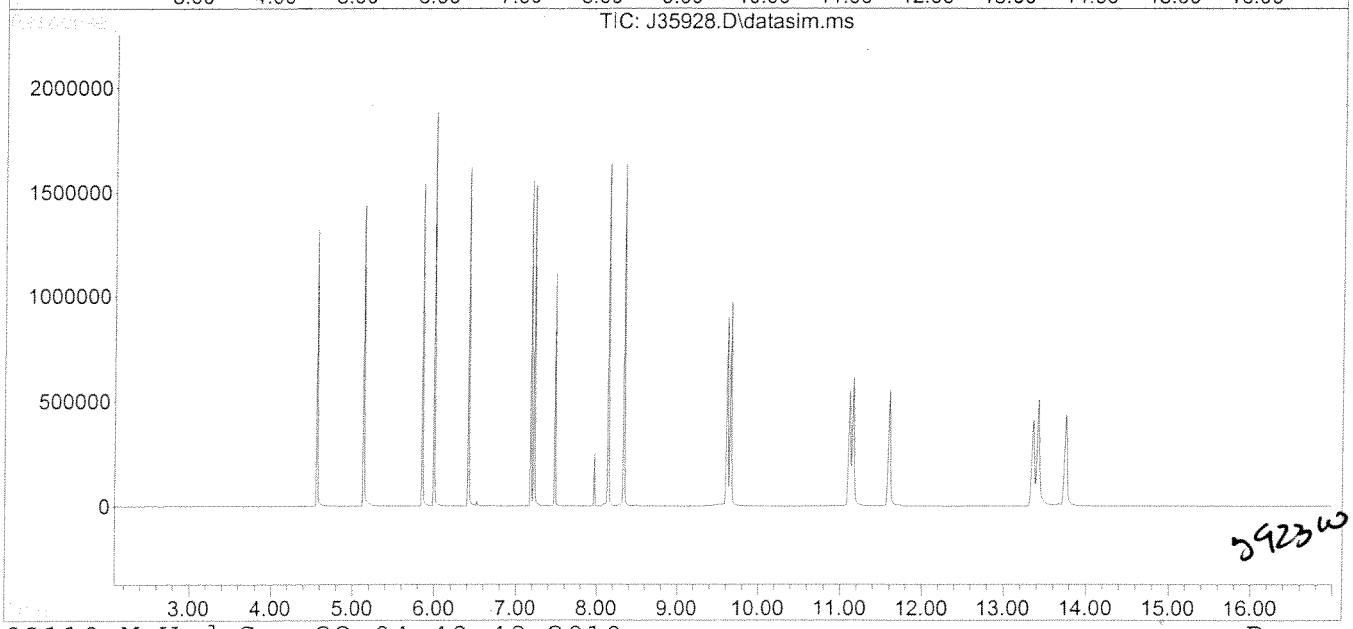
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35928.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 3:45 am
Operator : AR/MG
Sample : S9716 ARO 20 ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 22 04:48:48 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

9/03/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





3923w

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71766SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	40.5	1.3	
C-10	40.4	1.1	
C-12	39.5	1.2	
C-14	36.9	7.8	
C-16	38.8	2.9	
C-18	37.1	7.1	
C-19	36.8	8.0	
C-20	38.7	3.2	
1-Chlorooctadecane	16.4	2.2	
C-22	37.4	6.6	
C-24	36.9	7.8	
C-26	38.7	3.2	
C-28	38.1	4.8	
C-30	39.0	2.5	
C-36	39.6	1.0	

C9-C18 Aliphatics	233.3	2.8	
C19-C36 Aliphatics	305.2	4.6	

Maximum Allowed % Difference
(except C-9)
25

Maximum Allowed % Difference
C-9
30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71766SC.D Vial: 2
Acq On : 22 Sep 2010 2:39 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 3:07 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MN 9/22/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6035934	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.88	6057347	16.353 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	81.77%
Target Compounds			
2) TZM C-9	4.01	15184008	40.512 ug/ml
3) TZM C-10	5.00	15502394	40.445 ug/ml
4) TZM C-12	6.48	16263806	39.512 ug/ml
5) TZM C-14	7.66	15575927	36.895 ug/ml
6) TZM C-16	8.68	15821712	38.825 ug/ml
7) TZM C-18	9.59	15057592	37.149 ug/ml
8) XH C9-C18	7.38	108907676	271.734 ug/ml
9) TZM C-19	10.02	14751392	36.792 ug/ml
10) TZM C-20	10.45	15206566	38.700 ug/ml
12) TZM C-22	11.42	14545279	37.366 ug/ml
13) TZM C-24	12.70	13777224	36.875 ug/ml
14) TZM C-26	14.17	13402218	38.728 ug/ml
15) TZM C-28	15.70	11563235	38.079 ug/ml
16) TZM C-30	17.21	10665121	39.010 ug/ml
17) TZM C-36	21.24	8544508	39.601 ug/ml
18) XH C19-C36	11.90	109312887	328.719 ug/ml

S92210

(f)=RT Delta > 1/2 Window (m)=manual int.

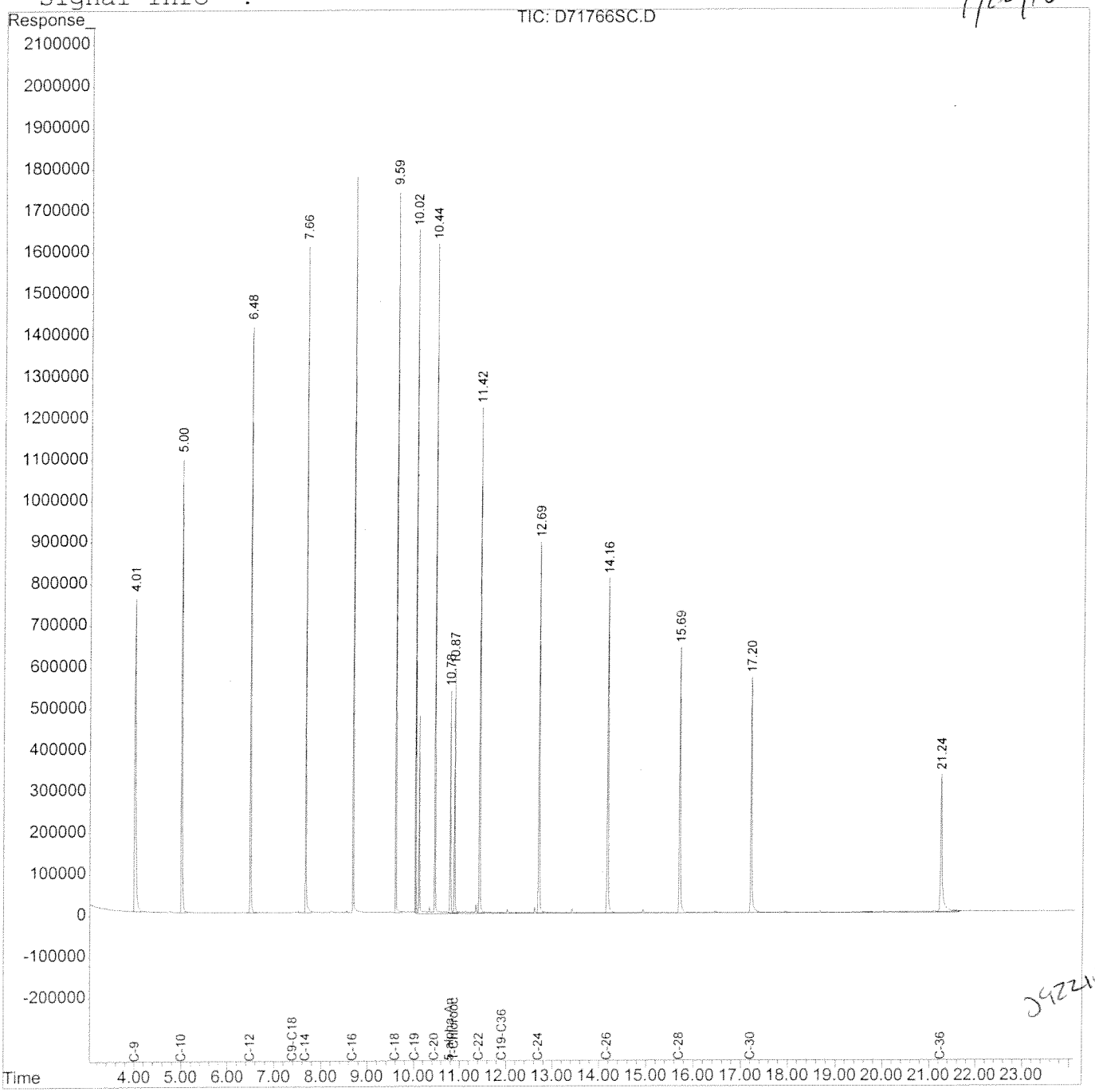
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71766SC.D Vial: 2
Acq On : 22 Sep 2010 2:39 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 3:07 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

MN 9/22/10



D92210

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

592210

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71781SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	36.9	7.8	
C-10	37.9	5.3	
C-12	35.2	11.9	
C-14	37.3	6.8	
C-16	36.8	7.9	
C-18	37.2	7.1	
C-19	36.7	8.3	
C-20	37.5	6.1	
1-Chlorooctadecane	15.9	0.5	
C-22	37.1	7.2	
C-24	37.1	7.2	
C-26	36.8	8.0	
C-28	38.1	4.7	
C-30	40.5	1.3	
C-36	43.1	7.7	

C9-C18 Aliphatics	221.3	7.8	
C19-C36 Aliphatics	306.9	4.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

JM 9/22/10

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71781SC.D Vial: 2
Acq On : 22 Sep 2010 12:57 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 15:11 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6555086	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	6404578	15.921 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.60%
Target Compounds			
2) TZM C-9	4.01	15009786	36.876 ug/ml
3) TZM C-10	5.00	15760791	37.863 ug/ml
4) TZM C-12	6.48	15754576	35.243 ug/ml
5) TZM C-14	7.66	17090345	37.276 ug/ml
6) TZM C-16	8.68	16304456	36.841 ug/ml
7) TZM C-18	9.59	16360921	37.167 ug/ml
8) XH C9-C18	7.38	112002531	257.324 ug/ml
9) TZM C-19	10.02	15967099	36.670 ug/ml
10) TZM C-20	10.45	16022872	37.548 ug/ml
12) TZM C-22	11.42	15691083	37.118 ug/ml
13) TZM C-24	12.70	15061926	37.121 ug/ml
14) TZM C-26	14.16	13823655	36.782 ug/ml
15) TZM C-28	15.69	12574712	38.130 ug/ml
16) TZM C-30	17.20	12028471	40.512 ug/ml
17) TZM C-36	21.24	10256710	43.063 ug/ml
18) XH C19-C36	11.90	122373586	338.850 ug/ml

9/22/10

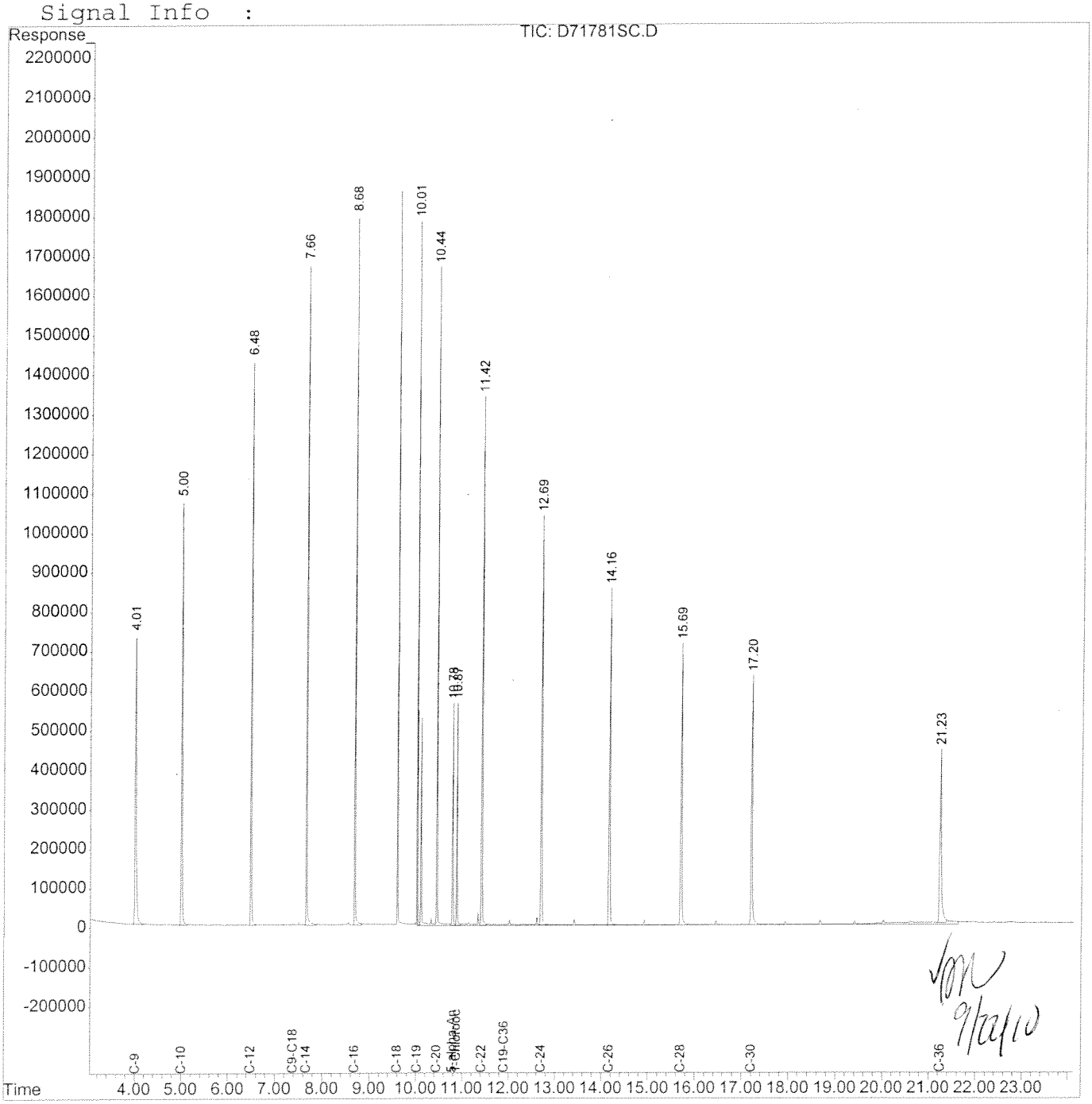
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71781SC.D Vial: 2
Acq On : 22 Sep 2010 12:57 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 15:11 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



D71781SC.D ALG80410.M Wed Sep 22 15:11:13 2010 Page 2

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

592210

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71782SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.2	6.9	
C-10	37.0	7.6	
C-12	36.2	9.5	
C-14	35.5	11.2	
C-16	37.4	6.5	
C-18	36.6	8.5	
C-19	36.8	8.0	
C-20	37.0	7.5	
1-Chlorooctadecane	15.6	2.3	
C-22	35.5	11.2	
C-24	36.9	7.8	
C-26	36.9	7.7	
C-28	37.3	6.7	
C-30	38.9	2.6	
C-36	44.4	11.0	

C9-C18 Aliphatics	219.9	8.4	
C19-C36 Aliphatics	303.8	5.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

JM 9/22/10

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71782SC.D Vial: 2
Acq On : 22 Sep 2010 1:28 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 15:11 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

592210

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6791188	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	6514739	15.632 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	78.16%
Target Compounds			
2) TZM C-9	4.01	15696261	37.222 ug/ml
3) TZM C-10	5.00	15943951	36.971 ug/ml
4) TZM C-12	6.49	16763192	36.196 ug/ml
5) TZM C-14	7.66	16872028	35.521 ug/ml
6) TZM C-16	8.68	17149618	37.404 ug/ml
7) TZM C-18	9.59	16700127	36.619 ug/ml
8) XH C9-C18	7.38	116465865	258.275 ug/ml
9) TZM C-19	10.02	16605310	36.810 ug/ml
10) TZM C-20	10.45	16362358	37.011 ug/ml
12) TZM C-22	11.42	15548819	35.502 ug/ml
13) TZM C-24	12.70	15509982	36.896 ug/ml
14) TZM C-26	14.16	14369907	36.907 ug/ml
15) TZM C-28	15.70	12755444	37.333 ug/ml
16) TZM C-30	17.20	11981197	38.950 ug/ml
17) TZM C-36	21.24	11022028	44.405 ug/ml
18) XH C19-C36	11.90	122466839	327.318 ug/ml

JM
9/22/10

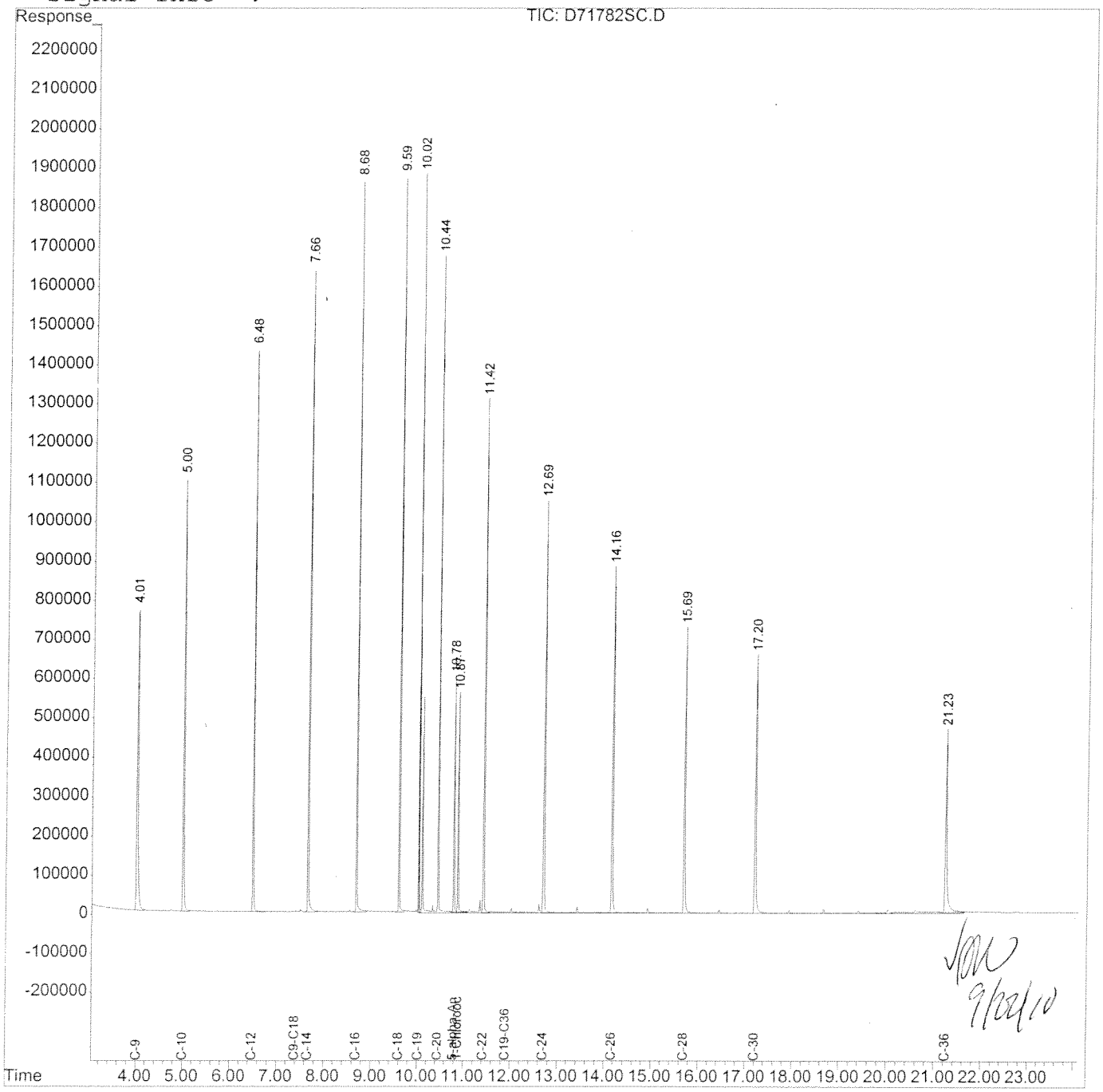
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71782SC.D Vial: 2
Acq On : 22 Sep 2010 1:28 pm Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 22 15:11 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



EPH AROMATICS
OPENING CONTINUING CALIBRATION STANDARD

592210

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: J35962SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.6	3.1	
2-Methylnaphthalene	21.6	7.8	
Acenaphthylene	21.2	6.0	
Acenaphthene	21.1	5.6	
Fluorene	21.6	8.2	
Phenanthrene	21.4	7.1	
Anthracene	21.6	8.2	
2-Fluorobiphenyl	12.5	4.4	
2-Bromonaphthalene	12.7	6.1	
o-terphenyl	8.4	4.8	
Fluoranthene	22.4	12.0	
Pyrene	22.0	9.9	
Benzo[a]anthracene	21.8	8.8	
Chrysene	21.4	6.8	
Benzo[b] fluoranthene	21.5	7.4	
Benzo[k] fluoranthene	21.6	8.1	
Benzo[a] pyrene	21.6	7.8	
Indeno [1,2,3-cd] pyrene	21.3	6.3	
Dibenz [a,h] anthracene	21.2	5.9	
Benzo(g,h,i) perylene	21.3	6.4	

Maximum Allowed % Difference
20

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/23/10

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35962SC.D
Acq On : 22 Sep 2010 4:44 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

592200

Quant Time: Sep 22 18:55:20 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.967	95	99428	20.00 ug/ml	0.00

System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	471039	12.52 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 62.60%		
10) 2-Bromonaphthalene	5.961	206	218944	12.73 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 63.65%		
11) o-terphenyl	7.480	230	252587	8.39 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 41.95%		

Target Compounds					Qvalue
2) Naphthalene	4.561	128	957775	20.62 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	550352	21.55 ug/ml	99
4) Acenaphthylene	5.855	152	1054730	21.20 ug/ml	99
5) Acenaphthene	5.997	154	570305	21.12 ug/ml	99
6) Fluorene	6.412	166	742488	21.65 ug/ml	100
7) Phenanthrene	7.175	178	1069310	21.41 ug/ml	100
8) Anthracene	7.217	178	1069754	21.64 ug/ml	100
12) Fluoranthene	8.136	202	1203827	22.41 ug/ml	100
13) Pyrene	8.328	202	1244835	21.97 ug/ml	100
14) Benzo[a]anthracene	9.609	228	1034056	21.75 ug/ml	98
15) Chrysene	9.656	228	993193	21.36 ug/ml	100
16) Benzo[b] fluoranthene	11.109	252	897353	21.49 ug/ml	99
17) Benzo[k] fluoranthene	11.157	252	893577	21.61 ug/ml	97
18) Benzo[a] pyrene	11.598	252	858409	21.57 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.352	276	679533	21.26 ug/ml	98
20) Dibenz [a,h] anthracene	13.416	278	647904	21.18 ug/ml	99
21) Benzo(g,h,i) perylene	13.757	276	735798	21.28 ug/ml	99

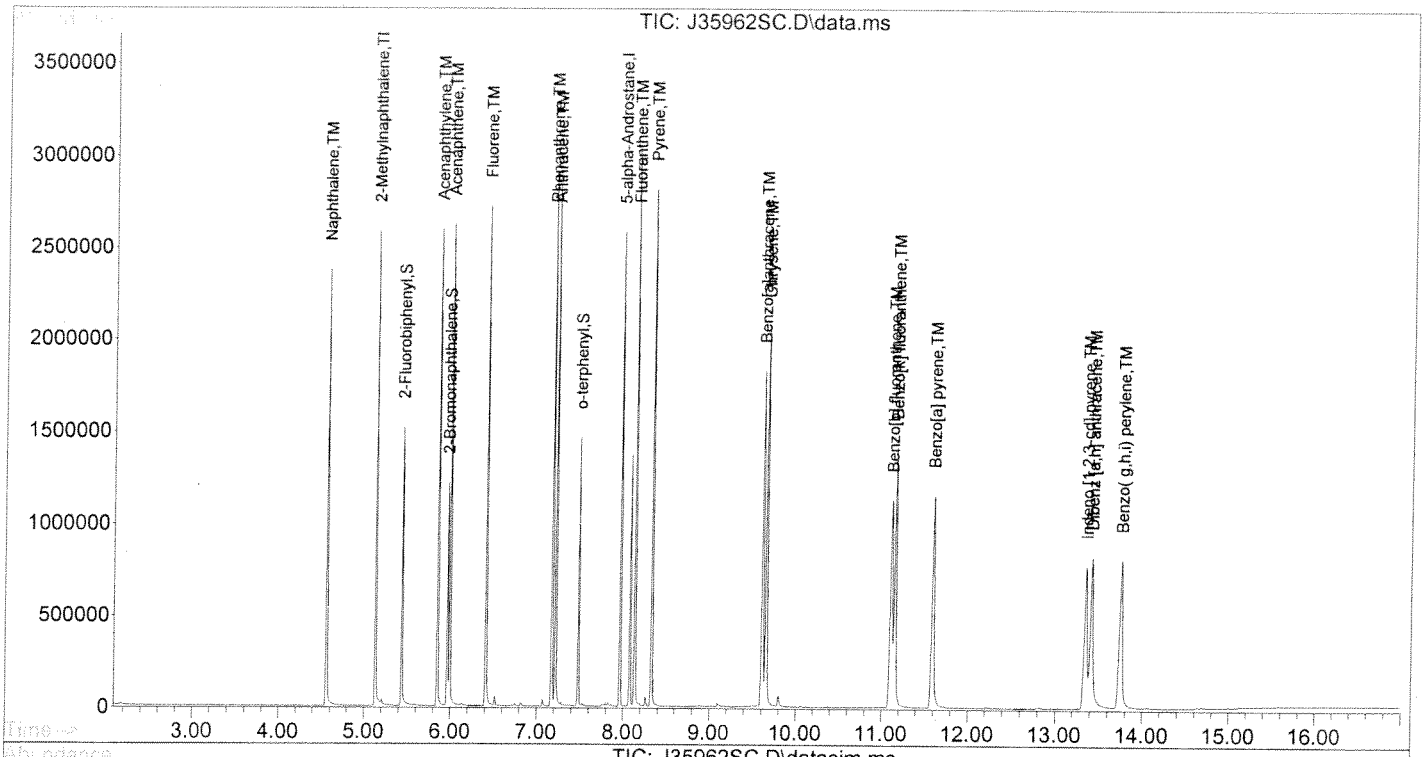
(#) = qualifier out of range (m) = manual integration (+) = signals summed

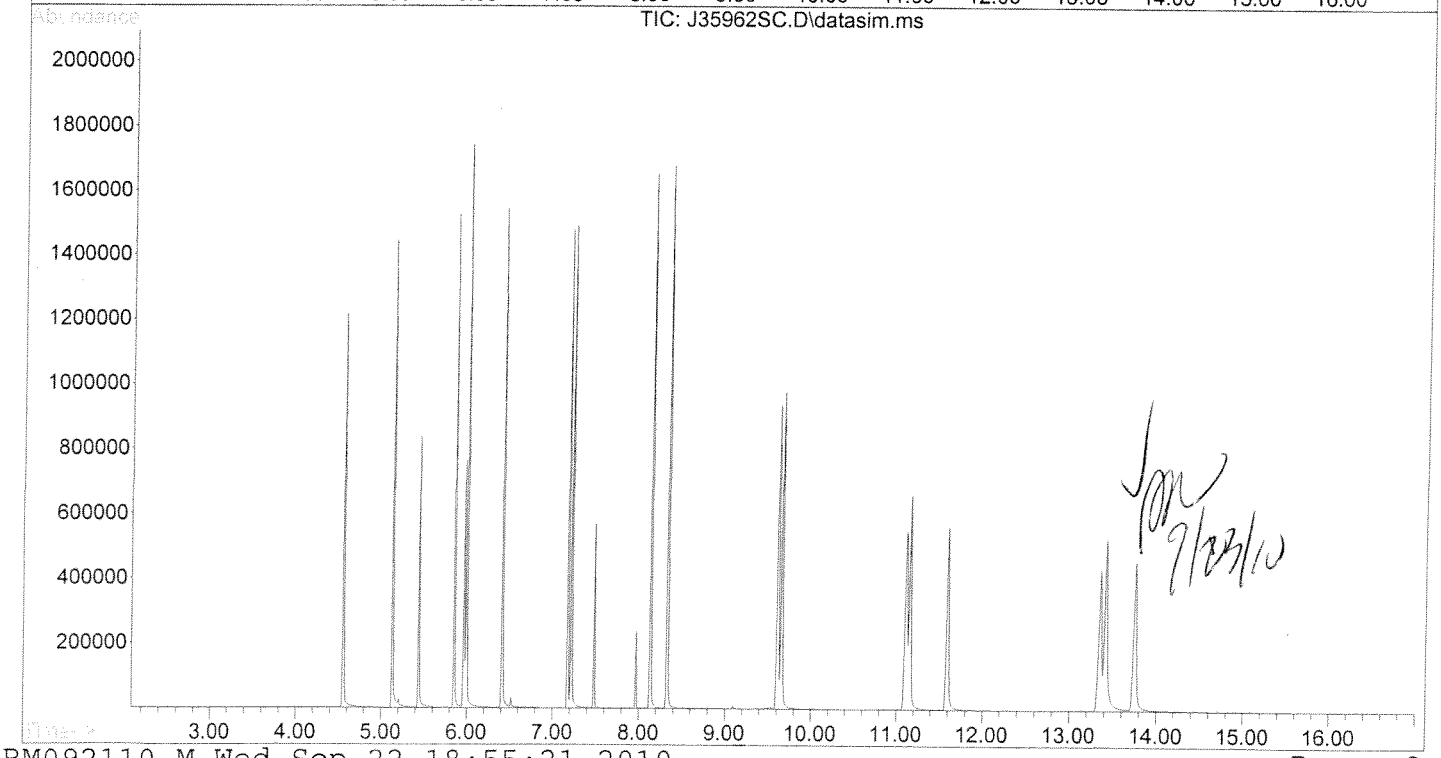
9/23/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35962SC.D
Acq On : 22 Sep 2010 4:44 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 22 18:55:20 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration





9/23/10

GC AROMATIC
CONT CALIBRATION
CHECK

Data File Name J35962SC.D
Sample Name S10041 ARO 20
Date Acquired 9/22/2010 16:44

Name	Amount	UG/L EXPECTED	% DIFFERENCE	LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.36	20	2	20	OK	20.36		
2-Methylnaphthalene	20.94	20	5	20	OK	20.94		
Acenaphthylene	20.88	20	4	20	OK	20.88		
Acenaphthene	21.40	20	7	20	OK	21.40		
Fluorene	21.18	20	6	20	OK	21.18		
Phenanthrene	21.14	20	6	20	OK	21.14		
Anthracene	21.71	20	9	20	OK	21.71		
Fluoranthene	21.74	20	9	20	OK	21.74		
Pyrene	21.40	20	7	20	OK	21.40		
Benzo[a]anthracene	21.46	20	7	20	OK	21.46		
Chrysene	21.95	20	10	20	OK	21.95		
Benzo[b] fluoranthene	20.44	20	2	20	OK	20.44		
Benzo[k] fluoranthene	21.29	20	6	20	OK	21.29		
Benzo[a] pyrene	21.75	20	9	20	OK	21.75		
Indeno [1,2,3-cd] pyrene	20.08	20	0	20	OK	20.08		
Dibenz [a,h] anthracene	19.76	20	1	20	OK	19.76		
Benzo(g,h,i) perylene	20.97	20	5	20	OK	20.97		
c11-c22		340				**358.47**	105%	OK

9/23/10

9/23/2010 2:31 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG PT3SUMPRCTOPEN.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35962SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 4:44 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:14 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

PM 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.967	22363290	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.438	13871280	12.445 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	62.22%
10) S 2-Bromonaphthalene	5.965	10791398	12.749 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.75%
11) S o-terphenyl	7.481	11928262	8.171 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	40.85%
Target Compounds			
2) TZ Naphthalene	4.562	20621486	20.365 ug/ml
3) TZ 2-Methylnaphthalene	5.132	21281420	20.942 ug/ml
4) TZ Acenaphthylene	5.854	22075954	20.877 ug/ml
5) TZ Acenaphthene	5.996	24124571	21.402 ug/ml
6) TZ Fluorene	6.412	24526950	21.180 ug/ml
7) TZ Phenanthrene	7.178	25125218	21.143 ug/ml
8) TZ Anthracene	7.220	24077054	21.714 ug/ml
12) TZ Fluoranthene	8.137	27127578	21.737 ug/ml
13) TZ Pyrene	8.331	28040590	21.405 ug/ml
14) TZ Benzo[a]anthracene	9.611	24896599	21.458 ug/ml
15) TZ Chrysene	9.658	26105720	21.949 ug/ml
16) TZ Benzo[b] fluoranthene	11.113	21979192	20.445 ug/ml
17) TZ Benzo[k] fluoranthene	11.159	22743250	21.288 ug/ml
18) TZ Benzo[a] pyrene	11.598	22102996	21.749 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.354	17168639	20.080 ug/ml
20) TZ Dibenz [a,h] anthracene	13.419	19766517	19.762 ug/ml
21) TZ Benzo(g,h,i) perylene	13.758	20104185	20.971 ug/ml
22) XH c11-c22	12.565	428393577	388.552 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int 9/23/10

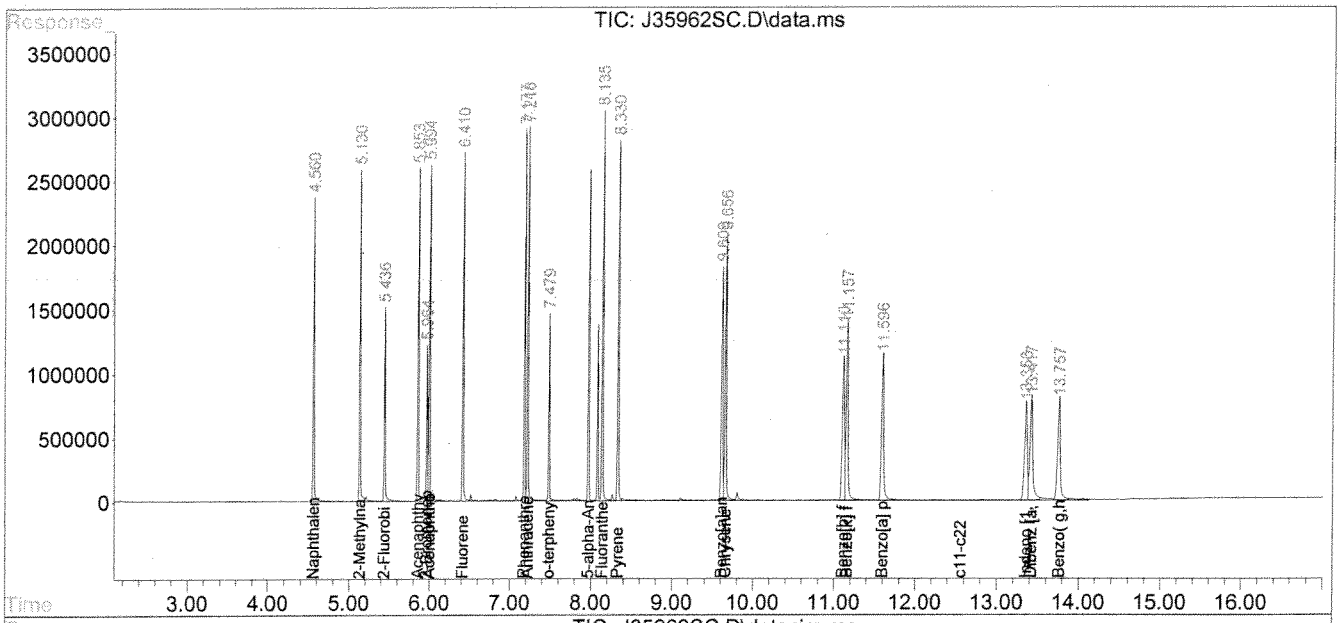
Quantitation Report (Not Reviewed)

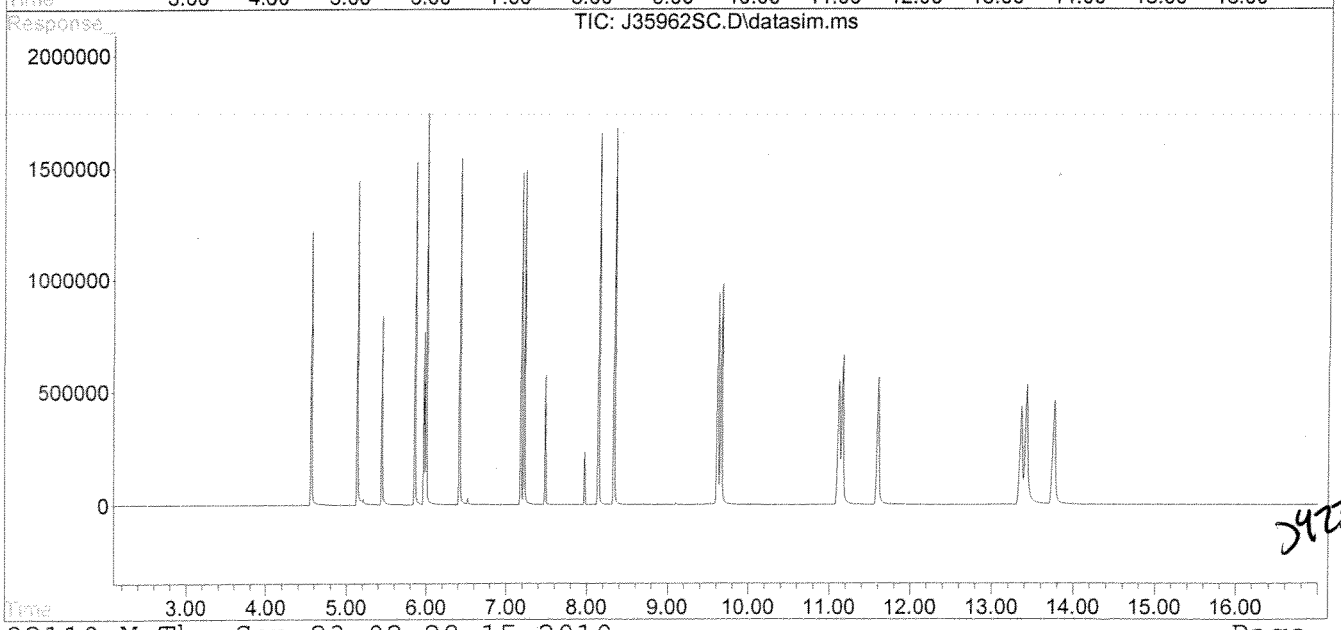
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35962SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 22 Sep 2010 4:44 pm
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 02:28:14 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

OK 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





J92310

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: J35989SC.D

BN 9/23/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.2	0.8	
2-Methylnaphthalene	20.8	3.9	
Acenaphthylene	20.6	3.2	
Acenaphthene	20.4	2.1	
Fluorene	21.0	4.9	
Phenanthrene	20.7	3.5	
Anthracene	21.2	5.8	
2-Fluorobiphenyl	12.1	0.9	
2-Bromonaphthalene	12.1	0.4	
o-terphenyl	8.1	1.6	
Fluoranthene	21.5	7.4	
Pyrene	21.3	6.4	
Benzo[a]anthracene	20.3	1.6	
Chrysene	20.5	2.7	
Benzo[b] fluoranthene	20.2	0.9	
Benzo[k] fluoranthene	20.9	4.7	
Benzo[a] pyrene	20.4	2.2	
Indeno [1,2,3-cd] pyrene	20.1	0.7	
Dibenz [a,h] anthracene	20.3	1.4	
Benzo(g,h,i) perylene	20.1	0.6	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

J92360

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35989SC.D
Acq On : 23 Sep 2010 3:27 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 03:55:47 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

AR 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	100074	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.434	172	458340	12.11 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 60.55%		
10) 2-Bromonaphthalene	5.962	206	208641	12.05 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 60.25%		
11) o-terphenyl	7.480	230	246463	8.13 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 40.65%		
Target Compounds					Qvalue
2) Naphthalene	4.561	128	944658	20.17 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	535764	20.77 ug/ml	99
4) Acenaphthylene	5.855	152	1035982	20.64 ug/ml	100
5) Acenaphthene	5.991	154	556628	20.42 ug/ml	99
6) Fluorene	6.412	166	726223	20.97 ug/ml	100
7) Phenanthrene	7.175	178	1044197	20.71 ug/ml	99
8) Anthracene	7.218	178	1055233	21.16 ug/ml	100
12) Fluoranthene	8.136	202	1166575	21.48 ug/ml	100
13) Pyrene	8.328	202	1216915	21.27 ug/ml	99
14) Benzo[a]anthracene	9.609	228	972742	20.33 ug/ml	99
15) Chrysene	9.653	228	961420	20.55 ug/ml	100
16) Benzo[b] fluoranthene	11.112	252	848270	20.18 ug/ml	99
17) Benzo[k] fluoranthene	11.157	252	871544	20.95 ug/ml	98
18) Benzo[a] pyrene	11.595	252	818702	20.44 ug/ml	99
19) Indeno [1,2,3-cd] pyrene	13.353	276	647912	20.14 ug/ml	98
20) Dibenz [a,h] anthracene	13.416	278	624178	20.27 ug/ml	99
21) Benzo(g,h,i) perylene	13.757	276	700449	20.13 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

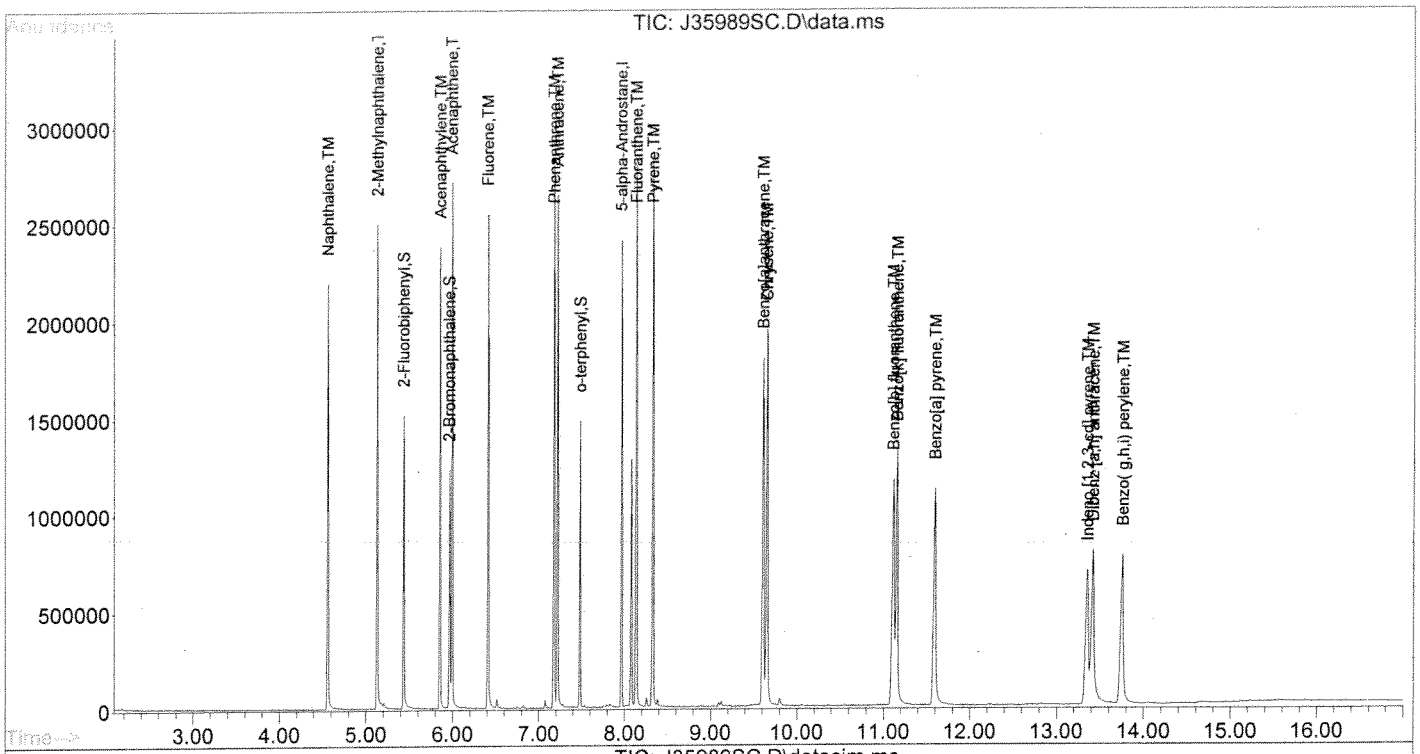
092310

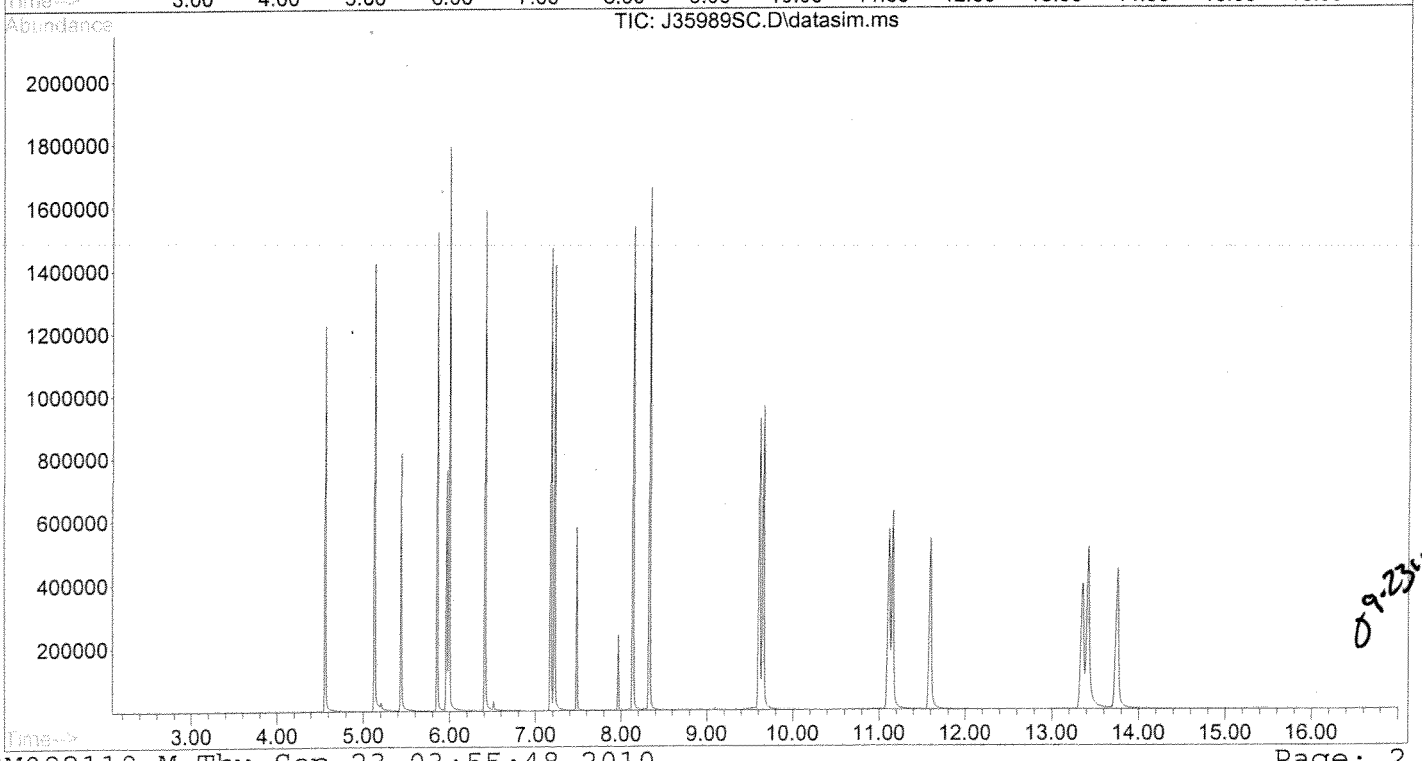
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35989SC.D
Acq On : 23 Sep 2010 3:27 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 03:55:47 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

AR 9/23/10





09-23-10

BN 9/23/10

GC AROMATIC CLOSING CONT CALIBRATION CHECK

Data File Name J35989SC.D
Sample Name S10041 ARO 20
Date Acquired 9/23/2010 3:27

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 4 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.33	20	2	20	OK	20.33		
2-Methylnaphthalene	20.67	20	3	20	OK	20.67		
Acenaphthylene	20.60	20	3	20	OK	20.60		
Acenaphthene	21.20	20	6	20	OK	21.20		
Fluorene	20.87	20	4	20	OK	20.87		
Phenanthrene	20.67	20	3	20	OK	20.67		
Anthracene	21.00	20	5	20	OK	21.00		
Fluoranthene	21.36	20	7	20	OK	21.36		
Pyrene	21.02	20	5	20	OK	21.02		
Benzo[a]anthracene	20.57	20	3	20	OK	20.57		
Chrysene	21.68	20	8	20	OK	21.68		
Benzo[b] fluoranthene	20.11	20	1	20	OK	20.11		
Benzo[k] fluoranthene	21.05	20	5	20	OK	21.05		
Benzo[a] pyrene	20.77	20	4	20	OK	20.77		
Indeno [1,2,3-cd] pyrene	19.40	20	3	20	OK	19.40		
Dibenz [a,h] anthracene	19.37	20	3	20	OK	19.37		
Benzo(g,h,i) perylene	20.06	20	0	20	OK	20.06		
c11-c22		340				**350.72**	103%	OK

J92360

9/23/2010 4:15 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG PT3SUMPRCTCLOS.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35989SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 3:27 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 04:15:19 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	22108757	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	13544741	12.277 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	61.38%
10) S 2-Bromonaphthalene	5.965	10607182	12.676 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.38%
11) S o-terphenyl	7.480	11651496	8.063 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	40.31%
Target Compounds			
2) TZ Naphthalene	4.561	20356058	20.331 ug/ml
3) TZ 2-Methylnaphthalene	5.132	20796916	20.672 ug/ml
4) TZ Acenaphthylene	5.854	21568062	20.604 ug/ml
5) TZ Acenaphthene	5.995	23650657	21.198 ug/ml
6) TZ Fluorene	6.411	23929727	20.871 ug/ml
7) TZ Phenanthrene	7.178	24340342	20.665 ug/ml
8) TZ Anthracene	7.220	23119571	21.003 ug/ml
12) TZ Fluoranthene	8.136	26406700	21.356 ug/ml
13) TZ Pyrene	8.330	27273231	21.017 ug/ml
14) TZ Benzo[a]anthracene	9.610	23597148	20.572 ug/ml
15) TZ Chrysene	9.656	25522596	21.678 ug/ml
16) TZ Benzo[b] fluoranthene	11.112	21371779	20.108 ug/ml
17) TZ Benzo[k] fluoranthene	11.158	22253373	21.050 ug/ml
18) TZ Benzo[a] pyrene	11.596	20866739	20.769 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.354	16401330	19.403 ug/ml
20) TZ Dibenz [a,h] anthracene	13.418	19191554	19.368 ug/ml
21) TZ Benzo(g,h,i) perylene	13.757	19008524	20.056 ug/ml
22) XH c11-c22	12.565	429382507	393.932 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

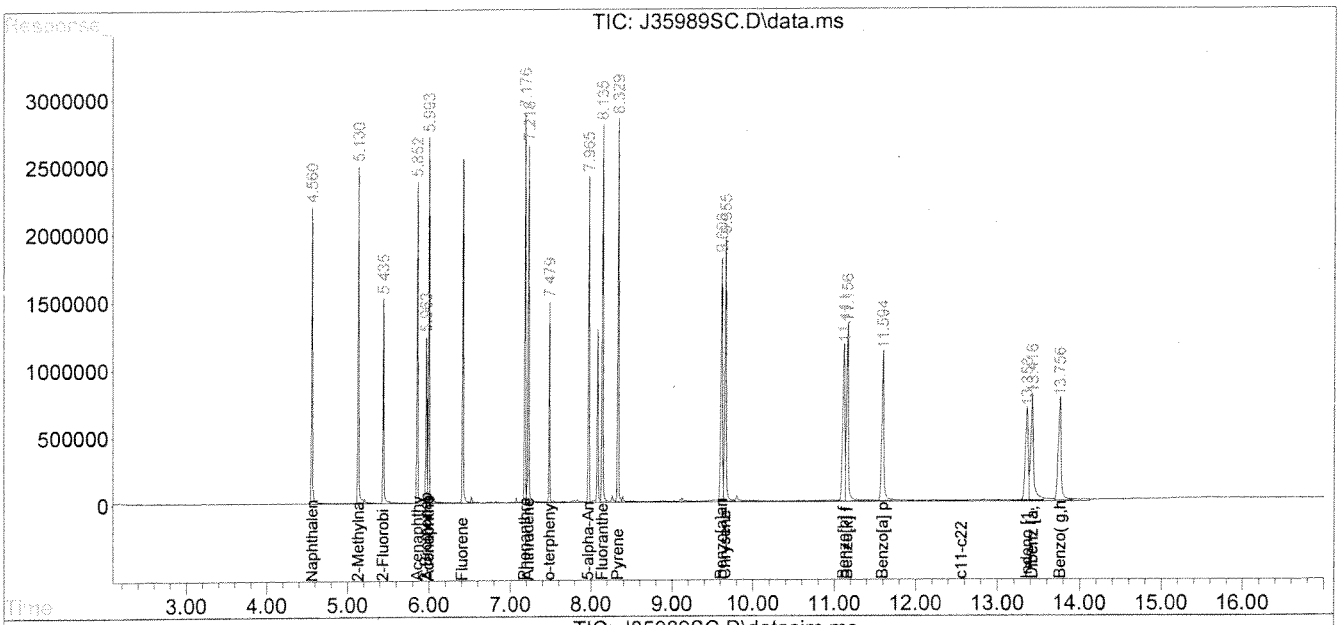
Quantitation Report (Not Reviewed)

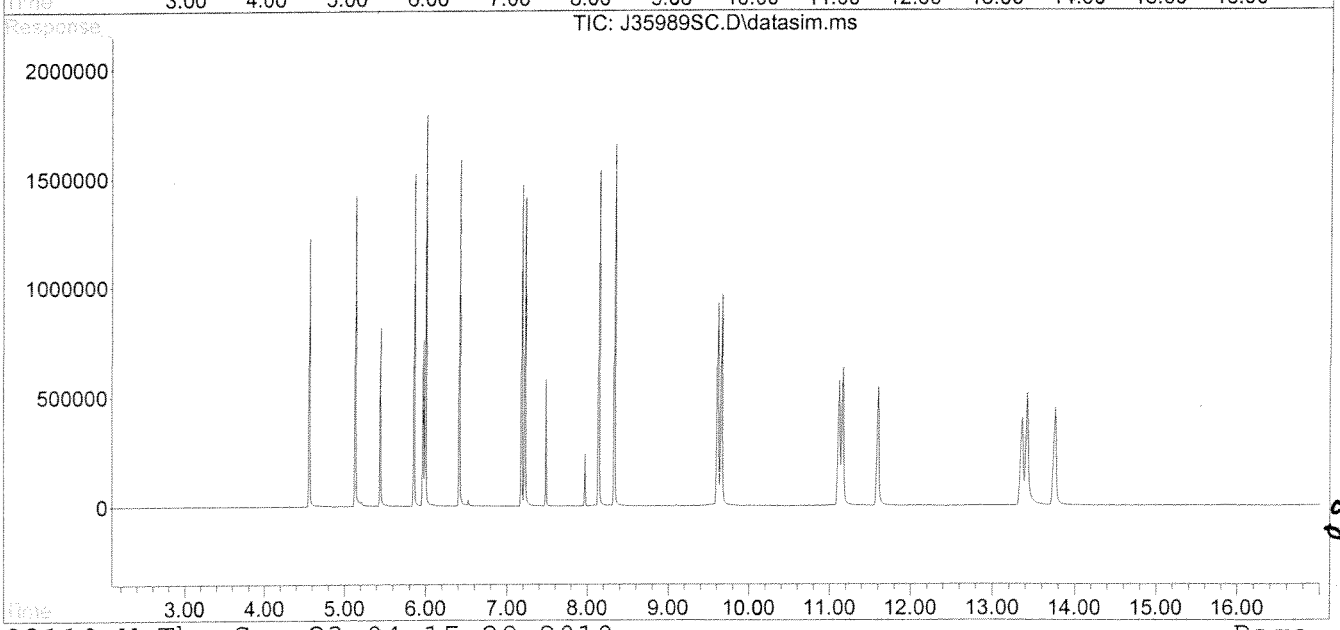
Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35989SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 3:27 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 04:15:19 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

MK 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





09-23-10

EPH AROMATICS
CLOSING CONTINUING CALIBRATION STANDARD

PN 9/23/10

Instrument ID: J
GC Column #1: ZB-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10041 ARO 20
Data File ID: J35990SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
Naphthalene	20.9	4.6	
2-Methylnaphthalene	21.2	5.9	
Acenaphthylene	21.2	5.9	
Acenaphthene	21.1	5.5	
Fluorene	21.6	8.1	
Phenanthrene	21.2	5.8	
Anthracene	21.6	8.2	
2-Fluorobiphenyl	12.6	4.9	
2-Bromonaphthalene	12.5	4.5	
o-terphenyl	8.4	4.5	
Fluoranthene	21.9	9.5	
Pyrene	21.3	6.3	
Benzo[a]anthracene	20.8	3.8	
Chrysene	20.9	4.6	
Benzo[b] fluoranthene	20.8	3.9	
Benzo[k] fluoranthene	21.5	7.6	
Benzo[a] pyrene	21.1	5.3	
Indeno [1,2,3-cd] pyrene	20.7	3.3	
Dibenz [a,h] anthracene	20.7	3.4	
Benzo(g,h,i) perylene	20.6	2.9	

Maximum Allowed % Difference
(16 or more compounds)
20

Maximum Allowed % Difference
(up to 4 compounds)
40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

092310

EPH ARO FORM 7

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35990SC.D
Acq On : 23 Sep 2010 3:49 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

MC 9/03/10

Quant Time: Sep 23 04:07:12 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 5-alpha-Androstane	7.962	95	98679	20.00 ug/ml	0.00
System Monitoring Compounds					
9) 2-Fluorobiphenyl	5.433	172	469770	12.59 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 62.95%		
10) 2-Bromonaphthalene	5.961	206	214166	12.55 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 62.75%		
11) o-terphenyl	7.480	230	249909	8.36 ug/ml	0.00
Spiked Amount 20.000	Range 40 - 140		Recovery = 41.80%		
Target Compounds					Qvalue
2) Naphthalene	4.561	128	963347	20.92 ug/ml	100
3) 2-Methylnaphthalene	5.131	141	537587	21.18 ug/ml	99
4) Acenaphthylene	5.855	152	1045777	21.18 ug/ml	100
5) Acenaphthene	5.997	154	565477	21.10 ug/ml	99
6) Fluorene	6.406	166	736135	21.62 ug/ml	100
7) Phenanthrene	7.175	178	1050012	21.16 ug/ml	100
8) Anthracene	7.217	178	1061936	21.65 ug/ml	100
12) Fluoranthene	8.136	202	1170654	21.90 ug/ml	100
13) Pyrene	8.328	202	1198959	21.25 ug/ml	100
14) Benzo[a]anthracene	9.609	228	979633	20.76 ug/ml	99
15) Chrysene	9.656	228	965247	20.92 ug/ml	100
16) Benzo[b] fluoranthene	11.109	252	860898	20.77 ug/ml	99
17) Benzo[k] fluoranthene	11.157	252	882920	21.52 ug/ml	98
18) Benzo[a] pyrene	11.595	252	831588	21.05 ug/ml	100
19) Indeno [1,2,3-cd] pyrene	13.348	276	655701	20.67 ug/ml	99
20) Dibenz [a,h] anthracene	13.416	278	627574	20.67 ug/ml	99
21) Benzo(g,h,i) perylene	13.757	276	706192	20.58 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

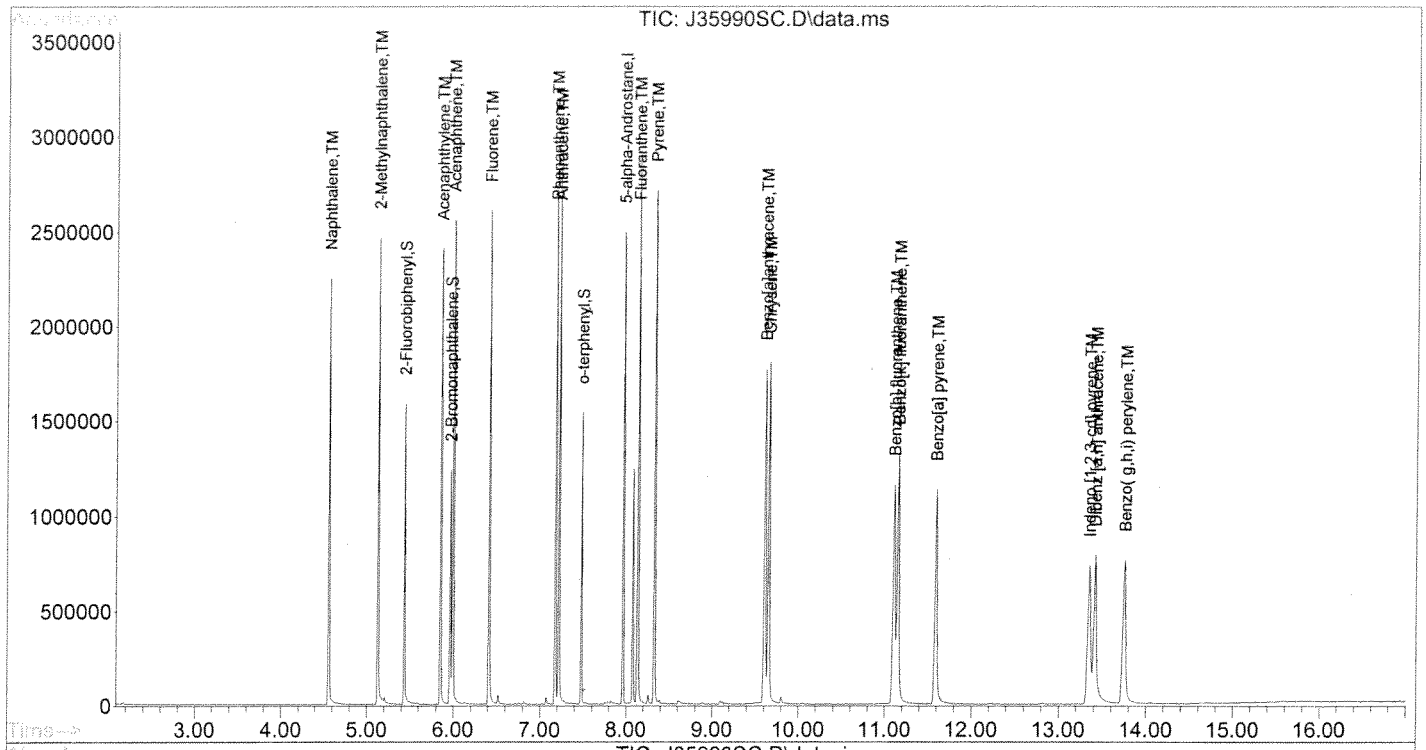
D92360

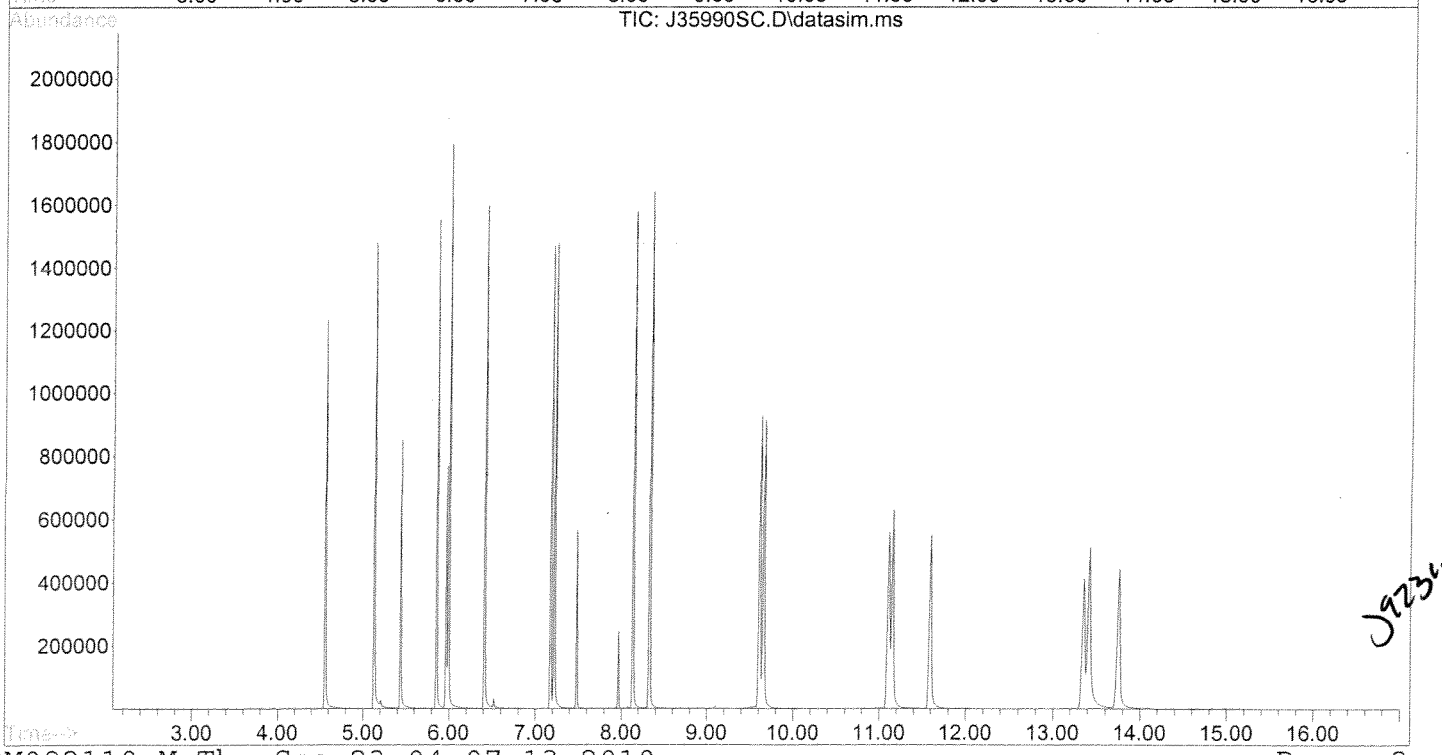
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35990SC.D
Acq On : 23 Sep 2010 3:49 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 23 04:07:12 2010
Quant Method : C:\msdchem\1\METHODS\ARM092110.M
Quant Title : EPH MS AROMATICS
QLast Update : Wed Sep 22 03:42:32 2010
Response via : Initial Calibration

MC 9/27/10





J92310

9/23/10

GC AROMATIC
CLOSING
CONT CALIBRATION
CHECK

Data File Name J35990SC.D
Sample Name S10041 ARO 20
Date Acquired 9/23/2010 3:49

Name	Amount	UG/L EXPECTED	% DIFFERENCE	Max 40% LIMIT		PEAK SUM	% RECOVERY	75%-125% LIMIT
Naphthalene	20.67	20	3	20	OK	20.67		
2-Methylnaphthalene	20.91	20	5	20	OK	20.91		
Acenaphthylene	21.00	20	5	20	OK	21.00		
Acenaphthene	21.53	20	8	20	OK	21.53		
Fluorene	21.03	20	5	20	OK	21.03		
Phenanthrene	20.94	20	5	20	OK	20.94		
Anthracene	21.38	20	7	20	OK	21.38		
Fluoranthene	21.31	20	7	20	OK	21.31		
Pyrene	20.83	20	4	20	OK	20.83		
Benzo[a]anthracene	20.69	20	3	20	OK	20.69		
Chrysene	21.46	20	7	20	OK	21.46		
Benzo[b] fluoranthene	20.24	20	1	20	OK	20.24		
Benzo[k] fluoranthene	21.14	20	6	20	OK	21.14		
Benzo[a] pyrene	21.16	20	6	20	OK	21.16		
Indeno [1,2,3-cd] pyrene	19.82	20	1	20	OK	19.82		
Dibenz [a,h] anthracene	20.29	20	1	20	OK	20.29		
Benzo(g,h,i) perylene	20.45	20	2	20	OK	20.45		
c11-c22		340				**354.87**	104%	OK

9/23/10

9/23/2010 4:15 AM

C:\msdchem\custrpt\EPH PRCT CUSTRPT\ARG PT3SUMPRCTCLOS.CRT

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35990SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 3:49 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 04:13:39 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

ON 9/23/10

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	7.966	22079908	20.000 ug/ml
System Monitoring Compounds			
9) S 2-Fluorobiphenyl	5.437	13728810	12.478 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	62.39%
10) S 2-Bromonaphthalene	5.965	10641659	12.734 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	63.67%
11) S o-terphenyl	7.480	11786397	8.178 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	40.89%
Target Compounds			
2) TZ Naphthalene	4.561	20639082	20.675 ug/ml
3) TZ 2-Methylnaphthalene	5.132	20985213	20.913 ug/ml
4) TZ Acenaphthylene	5.853	21911273	20.999 ug/ml
5) TZ Acenaphthene	5.995	23944908	21.532 ug/ml
6) TZ Fluorene	6.411	24059399	21.027 ug/ml
7) TZ Phenanthrene	7.178	24596106	20.941 ug/ml
8) TZ Anthracene	7.220	23450928	21.379 ug/ml
12) TZ Fluoranthene	8.136	26320808	21.309 ug/ml
13) TZ Pyrene	8.331	27023996	20.833 ug/ml
14) TZ Benzo[a]anthracene	9.610	23697952	20.687 ug/ml
15) TZ Chrysene	9.656	25262205	21.464 ug/ml
16) TZ Benzo[b] fluoranthene	11.111	21483999	20.240 ug/ml
17) TZ Benzo[k] fluoranthene	11.157	22314799	21.143 ug/ml
18) TZ Benzo[a] pyrene	11.596	21228053	21.156 ug/ml
19) TZ Indeno [1,2,3-cd] pyrene	13.352	16734724	19.824 ug/ml
20) TZ Dibenz [a,h] anthracene	13.418	19981049	20.290 ug/ml
21) TZ Benzo(g,h,i) perylene	13.757	19360766	20.455 ug/ml
22) XH c11-c22	12.565	418203418	384.178 ug/ml

392360

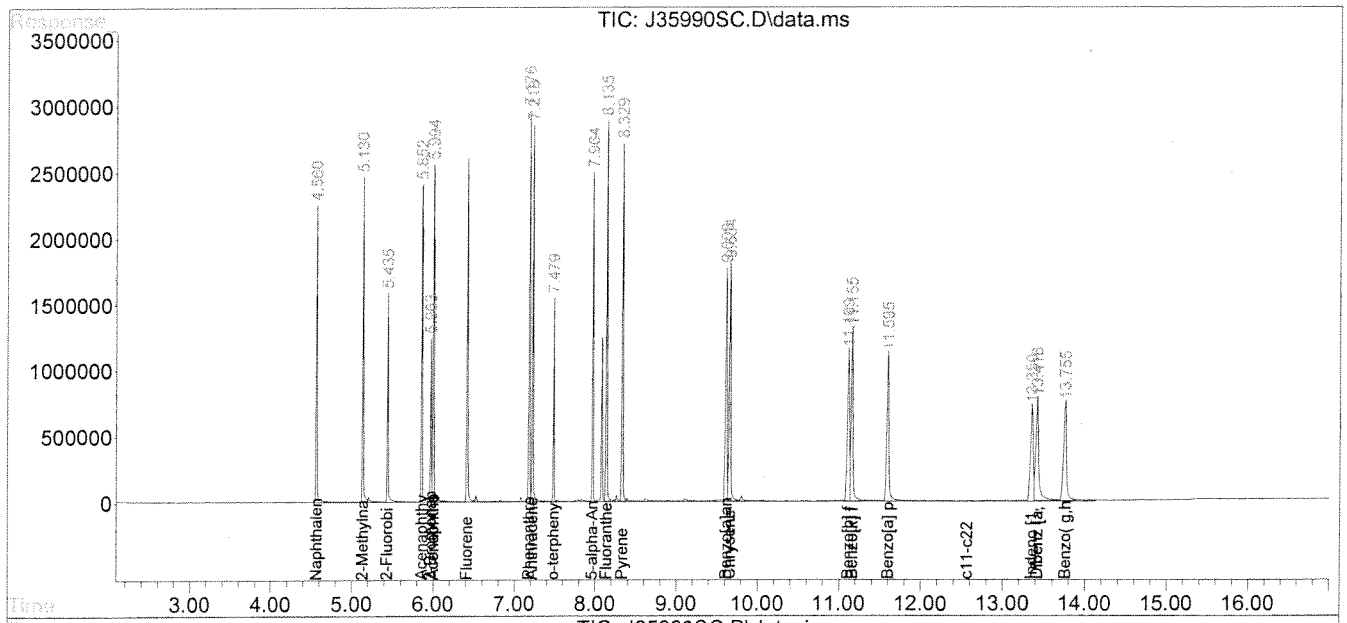
(f)=RT Delta > 1/2 Window (m)=manual int.

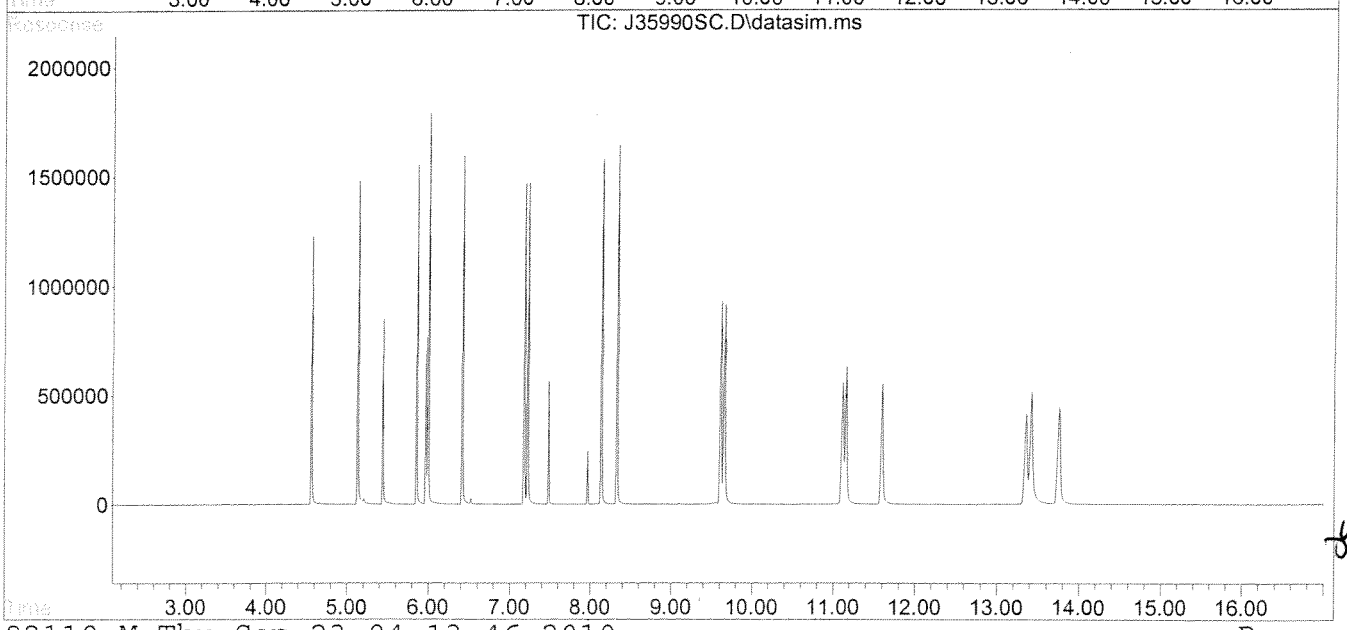
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\092110-J\
Data File : J35990SC.D
Signal(s) : Signal #1: data.ms Signal #2: datasim.ms
Acq On : 23 Sep 2010 3:49 am
Operator : AR/MG
Sample : S10041 ARO 20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 23 04:13:39 2010
Quant Method : C:\msdchem\1\METHODS\ARG092110.M
Quant Title : EPH GC AROMATICS
QLast Update : Wed Sep 22 04:48:18 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





092310

EPH ALIPHATICS
OPENING CONTINUING CALIBRATION STANDARD

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71802SC.D

9/23/10

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	39.6	1.1	
C-10	40.7	1.8	
C-12	38.6	3.6	
C-14	37.9	5.3	
C-16	38.0	5.1	
C-18	38.8	3.0	
C-19	36.9	7.7	
C-20	36.8	8.0	
1-Chlorooctadecane	16.2	1.1	
C-22	38.2	4.6	
C-24	37.2	7.1	
C-26	37.5	6.2	
C-28	37.9	5.2	
C-30	38.8	2.9	
C-36	41.4	3.5	

C9-C18 Aliphatics	233.5	2.7	
C19-C36 Aliphatics	304.8	4.8	

Maximum Allowed % Difference (except C-9): 25

Maximum Allowed % Difference C-9: 30

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

592360

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71802SC.D Vial: 2
Acq On : 23 Sep 2010 12:30 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 3:14 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

PM 9/23/10

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.78	6579930	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.87	6528502	16.168 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	80.84%
Target Compounds			
2) TZM C-9	4.00	16163769	39.561 ug/ml
3) TZM C-10	5.00	17013886	40.719 ug/ml
4) TZM C-12	6.48	17301054	38.556 ug/ml
5) TZM C-14	7.66	17425035	37.863 ug/ml
6) TZM C-16	8.68	16867541	37.970 ug/ml
7) TZM C-18	9.59	17141128	38.793 ug/ml
8) XH C9-C18	7.38	120770431	276.420 ug/ml
9) TZM C-19	10.02	16133639	36.913 ug/ml
10) TZM C-20	10.44	15767922	36.811 ug/ml
12) TZM C-22	11.41	16190575	38.154 ug/ml
13) TZM C-24	12.69	15132157	37.153 ug/ml
14) TZM C-26	14.16	14161424	37.539 ug/ml
15) TZM C-28	15.69	12555995	37.930 ug/ml
16) TZM C-30	17.20	11575409	38.839 ug/ml
17) TZM C-36	21.23	9826381	41.413 ug/ml
18) XH C19-C36	11.90	115873752	319.640 ug/ml

592310

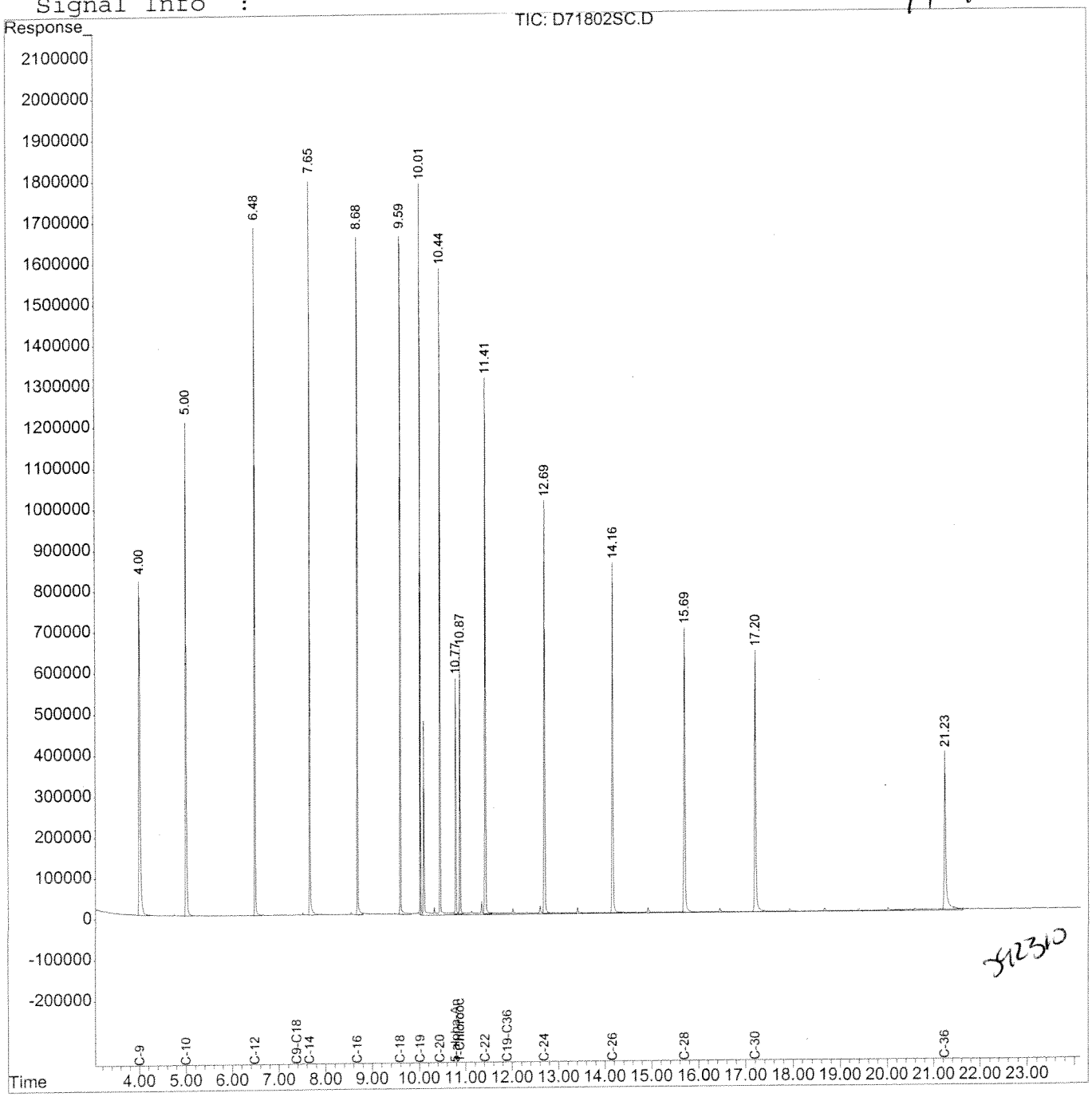
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\HPCHEM\1\DATA\092110-D\D71802SC.D
Acq On : 23 Sep 2010 12:30 am
Sample : S10042 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Sep 23 3:14 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

342310

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71815SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	37.6	5.9	
C-10	39.0	2.5	
C-12	37.7	5.6	
C-14	37.5	6.2	
C-16	38.4	4.0	
C-18	37.6	6.1	
C-19	36.9	7.8	
C-20	37.6	6.1	
1-Chlorooctadecane	16.2	1.2	
C-22	38.3	4.2	
C-24	38.1	4.8	
C-26	39.5	1.3	
C-28	41.6	4.0	
C-30	40.8	1.9	
C-36	44.9	12.3	

C9-C18 Aliphatics	227.9	5.0	
C19-C36 Aliphatics	317.6	0.8	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/25/10

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71815SC.D Vial: 2
Acq On : 23 Sep 2010 7:29 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.77	6497712	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.86	6455723	16.190 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	80.95%
Target Compounds			
2) TZM C-9	4.00	15179916	37.623 ug/ml
3) TZM C-10	4.99	16087552	38.989 ug/ml
4) TZM C-12	6.47	16723707	37.741 ug/ml
5) TZM C-14	7.65	17058969	37.537 ug/ml
6) TZM C-16	8.67	16853769	38.419 ug/ml
7) TZM C-18	9.59	16395044	37.574 ug/ml
8) XH C9-C18	7.38	118983301	275.776 ug/ml
9) TZM C-19	10.01	15910380	36.863 ug/ml
10) TZM C-20	10.44	15893060	37.573 ug/ml
12) TZM C-22	11.41	16049345	38.300 ug/ml
13) TZM C-24	12.68	15323886	38.100 ug/ml
14) TZM C-26	14.15	14709558	39.485 ug/ml
15) TZM C-28	15.68	13593359	41.583 ug/ml
16) TZM C-30	17.19	11998544	40.768 ug/ml
17) TZM C-36	21.23	10691424	44.919 ug/ml
18) XH C19-C36	11.90	121765609	340.143 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

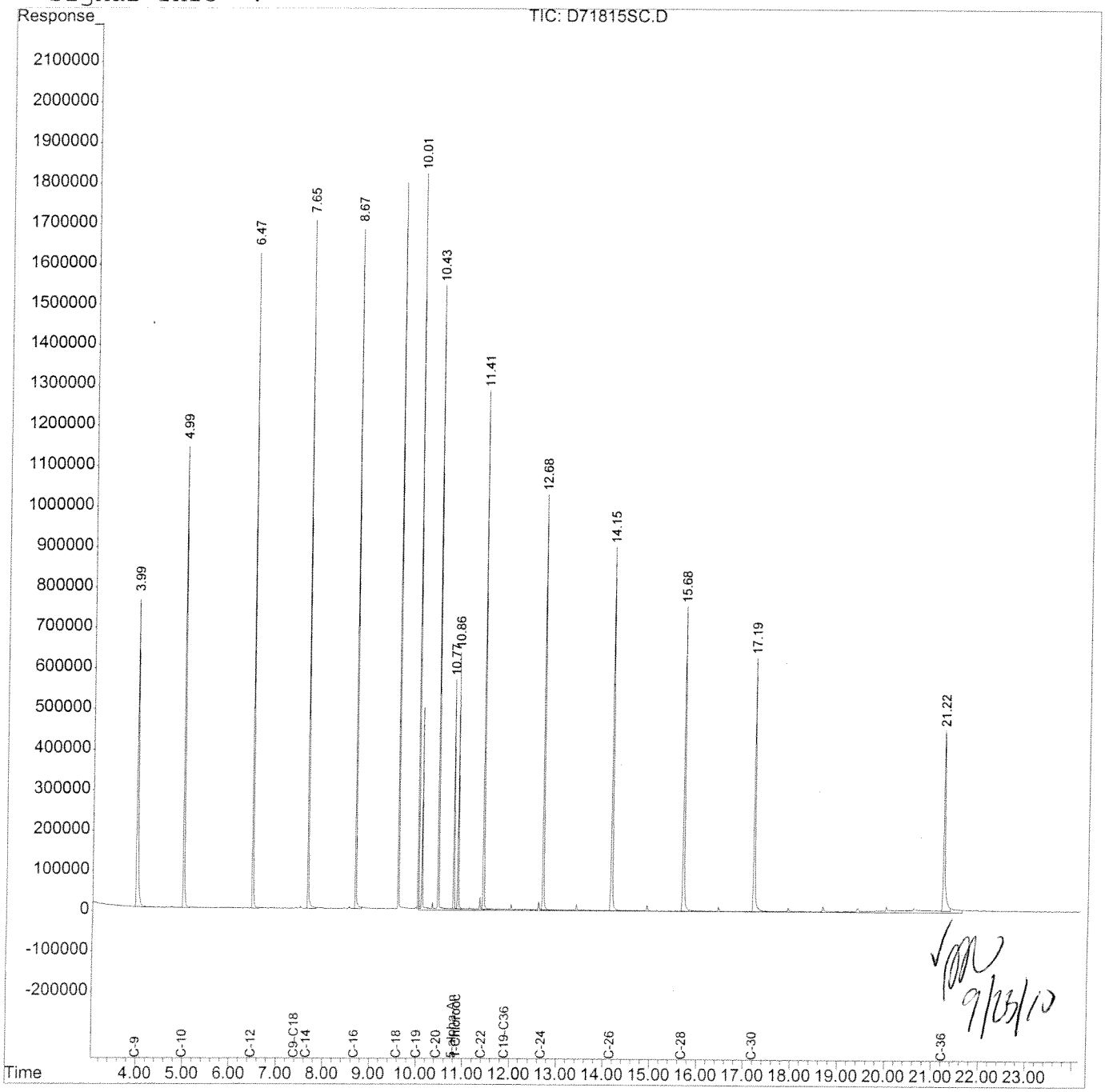
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71815SC.D Vial: 2
Acq On : 23 Sep 2010 7:29 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

S9231U

Volume Inj. :
Signal Phase :
Signal Info :



9/23/10

EPH ALIPHATICS
CLOSING CONTINUING CALIBRATION STANDARD

54236

Instrument ID: D
GC Column #1: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: S10042 ALI 40
Data File ID: D71816SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Difference	#
C-9	38.4	3.9	
C-10	40.2	0.4	
C-12	38.9	2.6	
C-14	37.5	6.3	
C-16	36.8	7.9	
C-18	37.1	7.3	
C-19	37.1	7.2	
C-20	36.2	9.4	
1-Chlorooctadecane	15.8	1.0	
C-22	37.1	7.2	
C-24	37.8	5.4	
C-26	36.7	8.2	
C-28	39.8	0.4	
C-30	41.2	3.0	
C-36	44.0	10.0	

C9-C18 Aliphatics	229.0	4.6	
C19-C36 Aliphatics	310.1	3.1	

Maximum Allowed % Difference (16 or more compounds, except C-9)	Maximum Allowed % Difference (C-9)	Maximum Allowed % Difference (up to 4 compounds)
25	30	40

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

9/03/10

EPH ALI FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71816SC.D Vial: 2
Acq On : 23 Sep 2010 7:59 am Operator: AR
Sample : S10042 ALI 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Initial Calibration
DataAcq Meth : EPHJ

9/23/10

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
Internal Standards			
1) I 5-alpha-Androstane	10.77	6638792	20.000 ug/ml
System Monitoring Compounds			
11) S 1-Chlorooctadecane	10.86	6454440	15.843 ug/ml
Spiked Amount 20.000 Range 40 - 140		Recovery =	79.22%
Target Compounds			
2) TZM C-9	4.00	15849078	38.447 ug/ml
3) TZM C-10	4.99	16936674	40.175 ug/ml
4) TZM C-12	6.47	17629729	38.941 ug/ml
5) TZM C-14	7.65	17409184	37.493 ug/ml
6) TZM C-16	8.67	16515016	36.846 ug/ml
7) TZM C-18	9.59	16539593	37.099 ug/ml
8) XH C9-C18	7.38	122500891	277.895 ug/ml
9) TZM C-19	10.01	16376854	37.137 ug/ml
10) TZM C-20	10.44	15657893	36.230 ug/ml
12) TZM C-22	11.41	15897284	37.131 ug/ml
13) TZM C-24	12.68	15547211	37.834 ug/ml
14) TZM C-26	14.15	13975332	36.717 ug/ml
15) TZM C-28	15.68	13300342	39.822 ug/ml
16) TZM C-30	17.19	12383561	41.182 ug/ml
17) TZM C-36	21.23	10658993	44.005 ug/ml
18) XH C19-C36	11.90	118513360	324.023 ug/ml

✓ 9/23/10

(f)=RT Delta > 1/2 Window (m)=manual int.

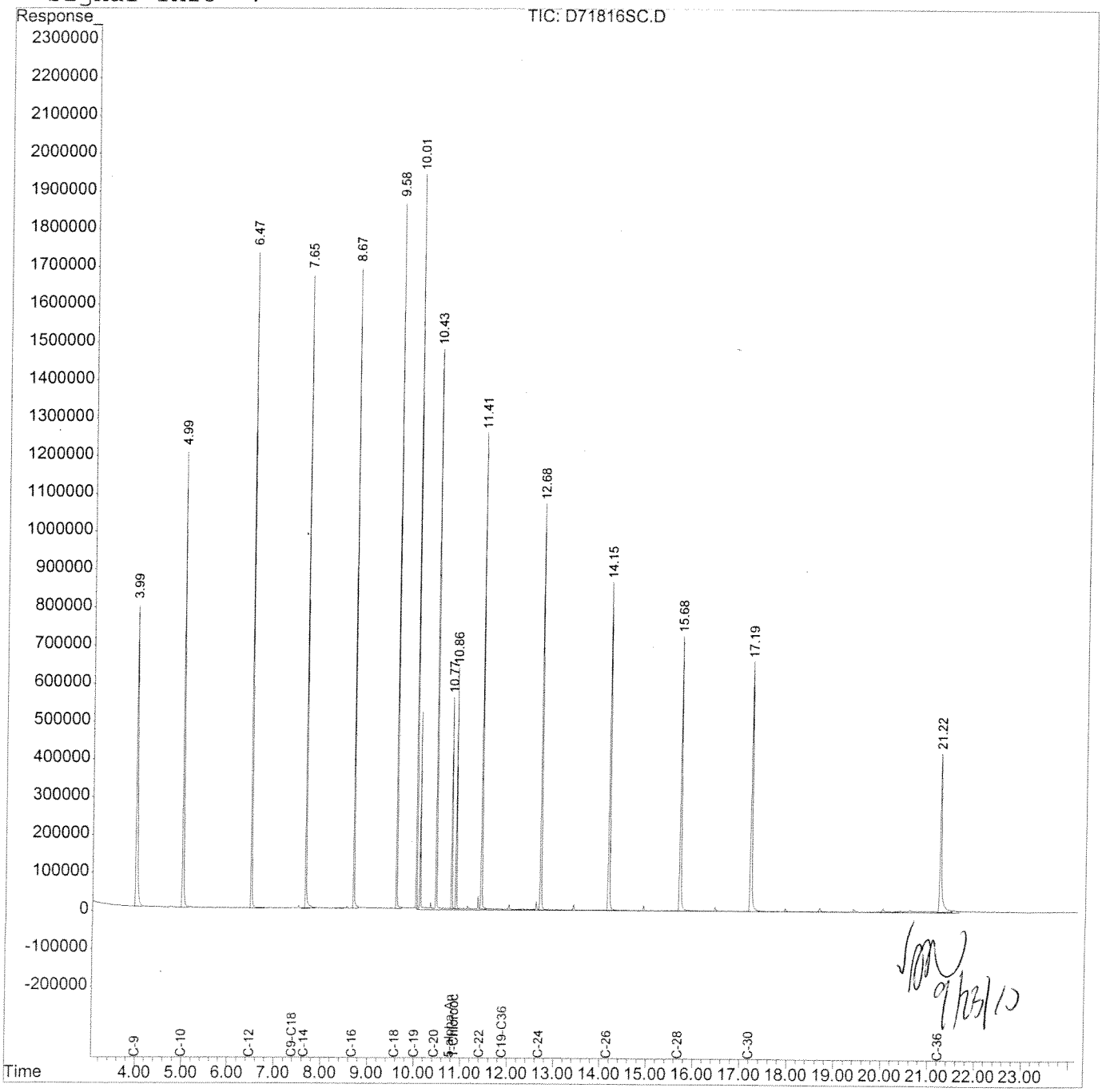
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\092110-D\D71816SC.D
Acq On : 23 Sep 2010 7:59 am
Sample : S10042 ALI 40
Misc :
IntFile : EVENTS.E
Quant Time: Sep 23 10:39 2010 Quant Results File: ALG80410.RES

Vial: 2
Operator: AR
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG80410.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Wed Sep 08 00:42:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :



D71816SC.D ALG80410.M Thu Sep 23 10:39:33 2010 Page 2

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S9936 ALI 40	6995120		11.02	
Upper Limit	13990240		11.08	
Lower limit	3497560		10.96	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9700 ALI 5	6392680		11.02	
S9701 ALI 10	6336220		11.02	
S9702 ALI 20	7097680		11.02	
S9704 ALI 50	6719900		11.02	
S9705 ALI 100	6944560		11.02	
S9715 ALI 20 ICV	6985250		11.02	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

Tune File : D:\HPCHEM\1\DATA\080410-D\D71446T.D
Tune Time : 5 Aug 2010 1:47 am

Ali GC

Daily Calibration File : D:\HPCHEM\1\DATA\080410-D\D71450SI.D

8/6/10

6995120

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71447SI.D	S9700 AL	9*	6392677
D71448SI.D	S9701 AL	19*	6336218
D71449SI.D	S9702 AL	39*	7097682
D71451SI.D	S9704 AL	106	6719901
D71452SI.D	S9705 AL	210*	6944560
D71453.D	S9715 AL	96	6985246

t - fails 12hr time check * - fails criteria

Created: Fri Aug 06 01:53:06 2010 GC
MS Ins

08910

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67835

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	102381		7.96	
Upper Limit	204762		8.02	
Lower limit	51191		7.90	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
S9706 ARO 2	102821		7.97	
S9707 ARO 5	106433		7.97	
S9708 ARO 10	108670		7.96	
S9710 ARO 50	108242		7.97	
S9711 ARO 100	96457		7.97	
S9716 ARO 20 ICV	105542		7.97	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\DATA\092110-J\J35915T.D
Tune Time : 21 Sep 2010 10:24 pm

Full ARO MS

Daily Calibration File : C:\msdchem\1\DATA\092110-J\J35925SI.D

MC 9/22/10

102381

File	Sample	Surrogate Recovery %			Internal Standard Responses
J35922SI.D					
	S9706 ARO	8*	7*	4*	102821
J35923SI.D					
	S9707 ARO	18*	18*	11*	106433
J35924SI.D					
	S9708 ARO	35*	33*	21*	108670
J35926SI.D					
	S9710 ARO	153*	151*	92	108242
J35927SI.D					
	S9711 ARO	263*	264*	162*	96457
J35928.D					
	S9716 ARO	0*	0*	92	105542

(fails) - fails 12hr time check * - fails criteria

Created: Wed Sep 22 04:05:06 2010 Instrument J

J92210

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\DATA\092110-J\J35915T.D
Tune Time : 21 Sep 2010 10:24 pm

PRO GC

Daily Calibration File : C:\msdchem\1\DATA\092110-J\J35925SI.D

PR 9/22/10

22239300

File	Sample	Surrogate Recovery %			Internal Standard Responses
J35922SI.D					
	S9706 ARO	7*	7*	5*	22928836
J35923SI.D					
	S9707 ARO	18*	19*	12*	23619712
J35924SI.D					
	S9708 ARO	33*	35*	21*	24272930
J35926SI.D					
	S9710 ARO	142*	161*	91	24150972
J35927SI.D					
	S9711 ARO	235*	268*	148*	22218719
J35928.D					
	S9716 ARO	-5*	142*	101	23240829

(fails) - fails 12hr time check * - fails criteria

Created: Wed Sep 22 04:53:04 2010 Instrument J

J92210

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6035930		10.78	
Upper Limit	12071860		10.84	
Lower limit	3017965		10.72	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	6116530		10.78	
B092010EASE2	5270070		10.78	
L092010EASE2	5378240		10.78	
LD092010EASE2	5609740		10.78	
S10042 ALI 40	6555090		10.78	
S10042 ALI 40	6791190		10.78	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC QA-QC Check Report

Daily Calibration File : D:\HPCHEM\1\DATA\092110-D\D71766SC.D
Time Acquired : 22 Sep 2010 2:39 am

D92210
ALI

6035930

File	Sample	Surrogate Recovery %	Internal Standard Responses
D71766SC.D	S10042 A	82	6035934
D71767.D	HEXANE W	0*	6116533
D71768B.D	B092010E	66	5411968
D71769B.D	B092010E	63	5270072
D71770Q.D	L092010E	64	5378243
D71771Q.D	LD092010	66	5609741
D71772.D	67833-11	61	5702745
D71773.D	67833-12	60	5442585
D71774.D	67833-13	50	5452841
D71775.D	67833-14	54	6056772
D71776.D	67833-15	54	5718352
D71777.D	67833-16	47	5815371
D71778.D	67807-1	18*	5558057
D71779.D	67807-2	62	5294748
D71780.D	67807-3	37*	5855954
D71781.D	67807-2,	13*	5330805
D71781SC.D	S10042 A	80	6555086
D71782SC.D	S10042 A	78	6791188

t - fails 24hr time check * - fails criteria

Created: Wed Sep 22 15:16:12 2010 GC MS Ins

9/22/10

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67835

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10041 ARO 20	99428		7.97	
Upper Limit	198856		8.03	
Lower limit	49714		7.91	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	96698		7.97	
B092010EASE2	87057		7.96	
L092010EASE2	83204		7.96	
LD092010EASE2	82032		7.96	
L092010EASE2	98847		7.97	
LD092010EASE2	99457		7.97	
67835-1	86529		7.96	
67835-2	83205		7.96	
67835-3	83136		7.96	
67835-4	82594		7.96	
67835-5	93619		7.96	
67835-6	98132		7.96	
67835-6,MS	83950		7.96	
67835-6,MSD	81672		7.96	
S10041 ARO 20	100074		7.96	
S10041 ARO 20	98679		7.96	

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\DATA\092110-J\J35961T.D
Tune Time : 22 Sep 2010 4:21 pm

Daily Calibration File : C:\msdchem\1\DATA\092110-J\J35962SC.D

PK 9/23/10

File	Sample	Surrogate Recovery %			Internal Standard Responses
					99428
J35963.D	HEXANE W/I	0*	0*	0*	96698
J35964B.D	B092010EAS	83	74	76	87057
J35965Q.D	L092010EAS	81	73	79	83204
J35966Q.D	LD092010EA	84	83	81	82032
J35967Q.D	L092010EAS	0*	8*	0*	98847
J35968Q.D	LD092010EA	0*	1*	0*	99457
J35969.D	67834-1	88	74	80	85785
J35970.D	67834-2	90	83	80	82430
J35971.D	67834-3	86	79	80	83656
J35972.D	67834-4	91	87	81	96550
J35973.D	67834-5	97	87	84	71421
J35974.D	67834-6	80	67	77	80004
J35975.D	67834-15	88	75	73	83306
J35976SP.D	67834-15,M	83	79	68	84155
J35977SP.D	67834-15,M	81	79	69	83492
J35978.D	67834-16	83	82	74	88593
J35979.D	67834-17	87	84	79	82251
J35980.D	67834-18	84	79	74	97662
J35981.D	67835-1	80	76	75	86529

J92310

J35982.D					
	67835-2	83	72	75	83205
J35983.D					
	67835-3	89	79	77	83136
J35984.D					
	67835-4	92	79	74	82594
J35985.D					
	67835-5	72	68	66	93619
J35986.D					
	67835-6	81	74	73	98132
J35987.D					
	67835-6,MS	86	83	71	83950
J35988.D					
	67835-6,MS	82	75	73	81672
J35989.D					
	67807-2,DL 2X	41	35*	34*	78350
J35989SC.D					
	S10041 ARO	61	60	41	100074
J35990SC.D					
	S10041 ARO	63	63	42	98679

(fails) - fails 12hr time check * - fails criteria

Created: Thu Sep 23 04:18:02 2010 Instrument J

PN 9/23/10

592310

GC QA-QC Check Report

Daily Calibration File : C:\msdchem\1\DATA\092110-J\J35962SC.D
Time Acquired : 22 Sep 2010 4:44 pm

J92310
ARO GC

22363300

File	Sample	Surrogate Recovery %			Internal Standard Responses
J35962SC.D					
	S10041 ARO	62	64	41	22363290
J35963.D					
	HEXANE W/I	-5*	0*	-5*	21846631
J35964B.D					
	B092010EAS	84	81	79	19526362
J35969.D					
	67834-1	91	82	86	19098852
J35970.D					
	67834-2	94	92	85	18356894
J35971.D					
	67834-3	87	86	83	18952257
J35972.D					
	67834-4	92	93	83	22122110
J35973.D					
	67834-5	117	113	88	16111109
J35974.D					
	67834-6	99	89	78	16857282
J35975.D					
	67834-15	92	85	78	18380482
J35978.D					
	67834-16	86	91	77	19769057
J35979.D					
	67834-17	89	91	81	18915533
J35980.D					
	67834-18	86	86	75	22151554
J35981.D					
	67835-1	81	89	78	19445881
J35982.D					
	67835-2	85	85	80	18679930
J35983.D					
	67835-3	89	85	80	18842537
J35984.D					
	67835-4	95	86	77	18510151
J35985.D					
	67835-5	73	75	68	20950539
J35986.D					
	67835-6	83	80	76	21961642
J35989.D					

9/23/10

	67807-2,DL	28*	27*	27*		24114180
J35989SC.D						
	S10041 ARO	61	63	40		22108757
J35990SC.D						
	S10041 ARO	62	64	41		22079908

(fails) - fails 12hr time check * - fails criteria

Created: Thu Sep 23 10:51:12 2010 Instrument J

JM
9/23/10

EPH
INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67835

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#
S10042 ALI 40	6579930		10.78	
Upper Limit	13159860		10.84	
Lower limit	3289965		10.72	

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

SAMPLE ID				
HEXANE W/IS	6092830		10.78	
B092010EASE2,RR2	5615890		10.78	
67835-1	5188630		10.78	
67835-2	5137940		10.78	
67835-3	5436300		10.78	
67835-4	5144120		10.78	
67835-5	5311100		10.78	
67835-6	5078440		10.77	
67835-6,MS	4914300		10.77	
67835-6,MSD	5216640		10.77	
S10042 ALI 40	6497710		10.77	
S10042 ALI 40	6638790		10.77	

67834-5
67834-6

IS 1 = 5-alpha-Androstane

Column to be used to flag values outside of QC limits
* Values outside QC limits

EPH FORM 8

GC QA-QC Check Report

Daily Calibration File : D:\HPCHEM\1\DATA\092110-D\D71802SC.D
Time Acquired : 23 Sep 2010 12:30 am

>92310

6579930

File	Sample	Surrogate Recovery %		Internal Standard Responses
D71802SC.D	S10042 A	81		6579930
D71803.D	HEXANE W	1*		6092832
D71804B.D	B092010E	63		5615892
D71805.D	67835-1	66		5188627
D71806.D	67835-2	73		5137944
D71807.D	67835-3	64		5436302
D71808.D	67835-4	62		5144115
D71809.D	67835-5	64		5311097
D71810.D	67835-6	73		5078440
D71811SP.D	67835-6,	69		4914298
D71812SP.D	67835-6,	69		5216639
D71813.D	67834-5,	6*	10X	5320672
D71814.D	67834-6,	8*	10X	5329336
D71815.D	67807-2,	33*	2X	5814236
D71815SC.D	S10042 A	81		6497712
D71816SC.D	S10042 A	79		6638792

t - fails 24hr time check * - fails criteria

Created: Thu Sep 23 10:50:30 2010 GC
MS Ins

9/23/10

analytics environmental laboratory LLC

CHAIN OF CUSTODIES

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:COC.doc

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 5 06/18/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 8° on ice, just sampled
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: CB 9/20/10

Project#: 106-2282 Proj. Name: NASSOWET SOIL & PIPE
Company: Tetra Tech Inc.
Contact: BRIAN CORBETT
Address: 133 Federal Street
Boston, MA 02110
Phone: 1-617-457-8200 PO# Quote #
Sampler (Signature): R Clayton

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample#
* C-B82-GTM4-SW-1	9/20/10	1500	VOC, TAL MET, EPH		✓				✓		S	6	G		~~67834~~ -1 10
* C-B82-GTM4-SW-2	9/20/10	1505	" " "		✓				✓		S	6	G		67835 -2 11
* C-B82-GTM4-SW-3	9/20/10	1510	" " "		✓				✓		S	6	G		3 12
* C-B82-GTM4-SW-4	9/20/10	1515	" " "		✓				✓		S	6	G		4 13
* C-B82-GTM4-B-S	9/20/10	1520	" " "		✓				✓		S	6	G		5 14
C-B82-GTM3-SW-2	9/20/10	1340	EPH, VOC, VPH		✓				✓		S	17	G		6 15
Trip Blank															

CB 9/20/10

Received By: Time: 16:15 Date: 9/20/10
Received By: Time: Date:
Received By: Time: Date:

Relinquished By Sampler: R Clayton
Relinquished By:
Relinquished By:

Email Results to: BRIANCORBETT.

Comments / Instructions:
C-B82-GTM3-SW-2 MS MSDS FOR VOCS

*metals for "GTM4" samples on hold per client instruction 09/21/10 KEZ

Turnaround Time (TAT)
- [ ] 24hr*
- [x] 48hr*
- [ ] 72hr*
- [ ] 5 Days*
- [ ] 10 Days

*Fee may apply; lab approval required

Project Requirements:
*Fee may apply

Report Type:
- [ ] MCP*
- [ ] Level II*
- [ ] CTRCP*
- [ ] Level III*
- [ ] DOD*
- [ ] Level IV*
- [ ] Standard

State:
- [ ] NH
- [ ] MA
- [ ] ME
- [ ] CT
- [ ] RI

Other:

State Standard: (eg. S-1 or GW-1)

EDD Required: Y* N

Type:

Analytics\AEL Documents\AEL COC

Page ____ of ____

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 67835 COOLER NUMBER: 84

CLIENT: TTEC NUMBER OF COOLERS: 1

PROJECT: NASSOWEY Soil Pipe DATE RECEIVED: 9/20/10

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 9/20/10

1. Cooler received by(initials): LM Date Received: 9/20/10

2. Circle one: Hand delivered (If so, skip 3) Shipped

3. Did cooler come with a shipping slip? Y N/A

3a. Enter carrier name and airbill number here: –

4. Were custody seals on the outside of cooler? Y N
How many & where: – Seal Date: – Seal Name: –

5. Did the custody seals arrive unbroken and intact upon arrival? Y N/A

6. COC#: N/A

7. Were Custody papers filled out properly (ink,signed, etc)? Y N

8. Were custody papers sealed in a plastic bag? Y N

9. Did you sign the COC in the appropriate place? Y N

10. Was the project identifiable from the COC papers? Y N

11. Was enough ice used to chill the cooler? Y N Temp. of cooler: 8° on ice

B. Log-In: Date samples were logged in: 9/20/10 By: LM

12. Type of packing in cooler(bubble wrap,popcorn) Y N

13. Were all bottles sealed in separate plastic bags? Y N

14. Did all bottles arrive unbroken and were labels in good condition? Y N

15. Were all bottle labels complete(ID,Date,time,etc.) Y N

16. Did all bottle labels agree with custody papers? Y N

17. Were the correct containers used for the tests indicated: Y ~~N~~ 9/20/10

18. Were samples received at the correct pH? Y N/A

19. Was sufficient amount of sample sent for the tests indicated? Y N

20. Were bubbles absent in VOA samples? Y N/A

If NO, List Sample ID's and Lab #s:

21. Laboratory labeling verified by (initials): GP Date: 9/20/10

From: "Corbett, Brian" <Brian.Corbett@tetratech.com>
Subject: **RE: COCs for samples received 09/20/10**
Date: September 21, 2010 11:34:13 AM EDT
To: "Craigie, Keir" <Keir.Craigie@tetratech.com>, Kate Zaleski <kzaleski@analyticslab.com>

Kate:

A couple of things:

1. the metals analyis for the 5 "GTM 4" samples (C-B82-GTM4) PLACE ON HOLD
2. work with Keir on the trip blank problem
3. I will call you to discuss TAT

thanks

Brian D. Corbett I Project Manager
Direct: 617.443.7517 Cell: 617.470.8651
brian.corbett@tteci.com

Tetra Tech EC I Engineering
160 Federal Street, 3rd floor I Boston, MA 02110 I www.tetratech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.
Think Green - Not every email needs to be printed.

-----Original Message-----
From: Craigie, Keir
Sent: Tuesday, September 21, 2010 10:27 AM
To: Kate Zaleski; Corbett, Brian
Subject: RE: COCs for samples received 09/20/10

Hi Kate,

Please hold the analysis of the trip blank that came with the VPH samples for now.

Thank you,

Keir

Keir Craigie I Senior Chemist
Direct: 425.482.7647 I Fax: 425.482.7642 I
Keir.Craigie@tetratech.com

Tetra Tech EC I Sciences
19803 North Creek Parkway I Bothell, WA 98011 I www.tetratech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.
Think Green - Not every email needs to be printed.

-----Original Message-----
From: Kate Zaleski [mailto:kzaleski@analyticslab.com]
Sent: Tuesday, September 21, 2010 5:33 AM
To: Corbett, Brian; Craigie, Keir

Subject: COCs for samples received 09/20/10

Good morning Brian,
Attached are the COCs we received late yesterday. They will be logged in today. Please note the non-conformance associated with the trip blank and let me know if you'd like us to analyze it.

Thanks,
Kate

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

October 26, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston, MA

RE: Analytical Results Case Narrative
Analytics # 67967
NAS SOWEY Blg. 82
South Weymouth, MA

Dear Mr. Corbett:

Enclosed please find the analytical results for samples collected from the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for VOCs by EPA Method 8260B, Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270C, Total Petroleum Hydrocarbons (TPH) by EPA Method 8015B,Pesticides by EPA Method 8081A, PCBs by EPA Methods 8082, Flashpoint by EPA Method 1010, pH by EPA Method 9045, Sulfide reactivity by Chapter 7 Modified Method 7.3.4.2 and Cyanide Reactivity by Chapter 7 Modified Method 7.3.3.2, Total Organic Carbon (TOC), Conductivity and RCRA 8 metals. The TOC, Conductivity and Metals analyses were subcontracted to Test America Laboratories, GA.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level IV package has been assembled in the following order and includes Raw Data:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- Summary Report-Forms 1 thru 8
- VOC Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- VOC Form 2 Surrogate Recoveries
- VOC Form 3 MS/MSD (LCS) Recoveries
- VOC Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
- VOC Form 5 BFB Tune Summaries (equiv.)
- VOC Form 6 Initial Calibration Data (equiv.) Response Factor Report
- VOC Form 7 Continuing Calibration Check (equiv.)
- VOC Form 8 Internal Standard Area and RT Summary
- SVOC Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- SVOC Form 2 Surrogate Recoveries
- SVOC Form 3 MS/MSD (LCS) Recoveries
- SVOC Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
- SVOC Form 5 DFTPP Tune Summaries (equiv.)
- SVOC Form 6 Initial Calibration Data (equiv.) Response Factor Report
- SVOC Form 7 Continuing Calibration Check (equiv.)
- SVOC Form 8 Internal Standard Area and RT Summary

PCB Form 1 Data Sheet for Samples and Blanks with raw data
PCB Form 2 Surrogate Recoveries
PCB Form 3 MS/MSD (LCS) Recoveries with raw data
PCB Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
PCB Form 6 Initial Calibration Data (equiv.) Response Factor Report with raw data
PCB Form 7 Continuing Calibration Check (equiv.) with raw data
PCB Form 8 RT Summary with raw data
PEST Form 1 Data Sheet for Samples and Blanks with raw data
PEST Form 2 Surrogate Recoveries
PEST Form 3 MS/MSD (LCS) Recoveries with raw data
PEST Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
PEST Form 6 Initial Calibration Data (equiv.) Response Factor Report with raw data
PEST Form 7 Continuing Calibration Check (equiv.) with raw data
PEST Form 8 RT Summary with raw data
TPH Form 1 Data Sheet for Samples and Blanks with raw data
TPH Form 2 Surrogate Recoveries
TPH Form 3 MS/MSD (LCS) Recoveries with raw data
TPH Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
TPH Form 6 Initial Calibration Data (equiv.) Response Factor Report with raw data
TPH Form 7 Continuing Calibration Check (equiv.) with raw data
Inorganic Results
Subcontracted Reports and Narratives
Chain of Custody (COC) Forms and Sample Data Receipt Checklist AEL

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations

Volatile Organic Compounds (VOCs) by EPA 8260B:
This narrative is specific to the list of target analytes requested by the client and reported on the Form 1 data pages. Non-target (NT) analyte deviations were not addressed. The following analytes were not reported below the quantitation limit in this report: Methylene chloride, Acetone, Methyl Iodide, Hexachlorobutadiene, and Naphthalene.

Due to method limitations the quantitation limits for Dibromochloromethane, Dichloromethane, 1,3-Dichloropropene, Methyl ethyl ketone, Methyl isobutyl ketone and 1,1,2,2-Tetrachloroethane may not meet regulatory standards for high level preserved solid samples.

The average Rf for Methyl ethyl ketone was 0.072 for the calibration curve V808100C. The initial calibration verification standard was in control for all analytes except Vinyl Acetate that had recovery of 76%.

The continuing calibration standard (file#C76536SC) had an average Rf of 0.071 for Methyl ethyl ketone. In addition Dichlorodifluoromethane had %D greater than 20%. The laboratory control samples (LS10150C,RR/LS101510CRR) were in control for all analytes.

Semi-Volatile Organic Compounds (SVOCs) by EPA 8270D:
This narrative is specific to target analytes reported on the Form 1 data pages. Non-target (NT) analyte deviations were not addressed.

The laboratory control sample (L100710AASE,RR) had recovery for Aniline and Carbazole outside the laboratory acceptance criteria but within MCP criteria. The laboratory control sample duplicate was within MCP criteria for all analytes. The MS/MSD analyzed on 67967-4 had low recovery for 2,4-Dintrophenol and high recoveries for Carbazole and 3,3-Dichlorobenzidine. These anlytes were in control in the laboratory control samples except as stated above.

PCBs by EPA Method 8082:
No QC Deviations.

Pesticides by EPA Method 8081A:
Sample 67967-1 had recovery for Decachlorbiphenyl (DCB) below laboratory acceptance criteria but above MCP Criteria on column#2. Results were reported without qualification.

The initial calibration (PT101510.M0 did not meet acceptance criteria for g-Chlordane on column#1. Column#2 was in control. No results for g-chlordane were detected on column#2 results were reported without qualification.

The laboratory control sample (L101310PAST) had recovery for b-BHC below the laboratory acceptance criteria on column#2. The laboratory control sample duplicate (LD101310PAST) was in control for all analytes. The MS/MSD analyzed on 67967-4 had several recoveries outside the laboratory acceptance criteria but within MCP criteria with the exception of g-chlordane on column#1.

The closing continuing calibration standards (File#'s L20099SC &L20101SC) and Performance Evaluation Mixture (PEM) (file#L20102) had low recoveries for Toxaphene, Heptachlor, 4,4-DDT and Methoxychlor and high recovery for g-Chlordane on column#1. Column #2 had low recoveries for Toxaphene, Heptachlor, 4,4-DDT, a-Chlordane and Methoxychlor. The PEM had high DDT breakdown. The analytical window was reanalyzed with similar results.

The reanalysis of the laboratory control samples (L101310PAST RR/LD101310PAST RR) had high recovery for g-Chlordane due to an interference. Endrin Ketone , b-BHC and a-Chlordane also had recoveries outside the laboratory acceptance criteria. The reanalysis of the MS/MSD on sample 67967-4 had several recoveries outside the laboratory acceptance criteria but within MCP criteria with the exception of g-chlordane on column#1.

The closing continuing calibration standards (File#'s L20120SC &L20121SC) and Performance Evaluation Mixture (PEM) (file#L20122) had low recoveries for Toxaphene, Heptachlor, g-Chlordane,Endrin, 4,4-DDT, Endrin Ketone and Methoxychlor on column#1. Column #2 had low recoveries for Toxaphene, Heptachlor, Endrin, 4,4-DDT, Endrin Ketone and Methoxychlor. The PEM had high Endrin and DDT breakdown. The analytical window was previously with similar results (see above).

TPH by EPA Method 8015B:
No results were reported below the laboratory quantitation limits.

If you have any questions or I can be of further assistance, please do not hesitate to contact me.

Sincerely
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

AEL_Documents:_TopLevelOldServer:A_Narratives:FWECRI/TTEC:WEYMOUTH:67967.doc .doc

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

Report Number: 67967

Revision: Rev. 0

Re: NAS SOWEY (Project No: 106-2282)

Enclosed are the results of the analyses on your sample(s). Samples were received on 06 October 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Sample Analysis: The attached pages detail the Client Sample IDs, Lab Sample IDs, and Analyses requested

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 10/20/2010

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

CLIENT: Tetra Tech EC, Inc. **REPORT NUMBER: 67967** **REV: Rev. 0**

PROJECT: NAS SOWEY (Project No: 106-2282)

Lab Number	Sample Date	Station Location	Analysis	Comments
67967-1	10/06/10	WC-B82-DC-01	Cyanide Reactivity	
	10/06/10	WC-B82-DC-01	EPA 1010 Flashpoint	
	10/06/10	WC-B82-DC-01	EPA 8015 - TPH	
	10/06/10	WC-B82-DC-01	EPA 8081 (Pesticides only)	
	10/06/10	WC-B82-DC-01	EPA 8082 (PCBs only)	
	10/06/10	WC-B82-DC-01	EPA 8260 Volatile Organics	
	10/06/10	WC-B82-DC-01	EPA 8270 Acid/Base Neutrals	
	10/06/10	WC-B82-DC-01	RCRA Metals	
	10/06/10	WC-B82-DC-01	Specific Conductance	
	10/06/10	WC-B82-DC-01	Sulfide Reactivity	
	10/06/10	WC-B82-DC-01	SW-846 9045 pH in Solid	
	10/06/10	WC-B82-DC-01	Total Organic Carbon in Solid Matrices	
67967-2	10/06/10	WC-B82-APN-01	Cyanide Reactivity	
	10/06/10	WC-B82-APN-01	EPA 1010 Flashpoint	
	10/06/10	WC-B82-APN-01	EPA 8015 - TPH	
	10/06/10	WC-B82-APN-01	EPA 8081 (Pesticides only)	
	10/06/10	WC-B82-APN-01	EPA 8082 (PCBs only)	
	10/06/10	WC-B82-APN-01	EPA 8260 Volatile Organics	
	10/06/10	WC-B82-APN-01	EPA 8270 Acid/Base Neutrals	
	10/06/10	WC-B82-APN-01	RCRA Metals	
	10/06/10	WC-B82-APN-01	Specific Conductance	
	10/06/10	WC-B82-APN-01	Sulfide Reactivity	
	10/06/10	WC-B82-APN-01	SW-846 9045 pH in Solid	
	10/06/10	WC-B82-APN-01	Total Organic Carbon in Solid Matrices	
67967-3	10/06/10	WC-B82-GTM-01	Cyanide Reactivity	
	10/06/10	WC-B82-GTM-01	EPA 1010 Flashpoint	
	10/06/10	WC-B82-GTM-01	EPA 8015 - TPH	
	10/06/10	WC-B82-GTM-01	EPA 8081 (Pesticides only)	
	10/06/10	WC-B82-GTM-01	EPA 8082 (PCBs only)	
	10/06/10	WC-B82-GTM-01	EPA 8260 Volatile Organics	
	10/06/10	WC-B82-GTM-01	EPA 8270 Acid/Base Neutrals	
	10/06/10	WC-B82-GTM-01	RCRA Metals	
	10/06/10	WC-B82-GTM-01	Specific Conductance	
	10/06/10	WC-B82-GTM-01	Sulfide Reactivity	
	10/06/10	WC-B82-GTM-01	SW-846 9045 pH in Solid	
	10/06/10	WC-B82-GTM-01	Total Organic Carbon in Solid Matrices	

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

CLIENT: Tetra Tech EC, Inc. **REPORT NUMBER: 67967** **REV: Rev. 0**

PROJECT: NAS SOWEY (Project No: 106-2282)

Lab Number	Sample Date	Station Location	Analysis	Comments
67967-4	10/06/10	WC-B82-GTM-02	Cyanide Reactivity	
	10/06/10	WC-B82-GTM-02	EPA 1010 Flashpoint	
	10/06/10	WC-B82-GTM-02	EPA 8015 - TPH	
	10/06/10	WC-B82-GTM-02	EPA 8081 (Pesticides only)	
	10/06/10	WC-B82-GTM-02	EPA 8082 (PCBs only)	
	10/06/10	WC-B82-GTM-02	EPA 8260 Volatile Organics	
	10/06/10	WC-B82-GTM-02	EPA 8270 Acid/Base Neutrals	
	10/06/10	WC-B82-GTM-02	RCRA Metals	
	10/06/10	WC-B82-GTM-02	Specific Conductance	
	10/06/10	WC-B82-GTM-02	Sulfide Reactivity	
	10/06/10	WC-B82-GTM-02	SW-846 9045 pH in Solid	
	10/06/10	WC-B82-GTM-02	Total Organic Carbon in Solid Matrices	
67967-5	10/06/10	Trip Blank	Electronic Data Deliverable	
	10/06/10	Trip Blank	EPA 8260 Volatile Organics	

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 67967

Project Location: NAS SOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

67967-1, 67967-2, 67967-3, 67967-4, 67967-5

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 26, 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 67967

Project Location: NAS SOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

67967-1, 67967-2, 67967-3, 67967-4, 67967-5

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☒	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 26, 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 67967

Project Location: NAS SOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

67967-1, 67967-2, 67967-3, 67967-4, 67967-5

Matrices: ☐ Groundwater/Surface Water ☐ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☒	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 26, 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 67967

Project Location: NAS SOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

67967-1, 67967-2, 67967-3, 67967-4, 67967-5

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☒	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☒ Yes ☐ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 26, 2010

Summary Report

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: MB10150C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	91	%	d8-Toluene	98	%	Bromofluorobenzen	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Percent Solid: 79
Dilution Factor: 161
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-DC-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	161	U	1,1,2-Trichloroethane	121	U
Chloromethane	161	U	1,3-Dichloropropane	161	U
Vinyl Chloride	161	U	Tetrachloroethene	161	U
Bromomethane	161	U	2-Hexanone	1610	U
Chloroethane	161	U	Dibromochloromethane	121	U
Trichlorofluoromethane	161	U	1,2-Dibromoethane	121	U
1,1-Dichloroethene	121	U	Chlorobenzene	161	U
Acetone	1610	U	1,1,1,2-Tetrachloroethane	161	U
Methyl iodide	161	U	Ethylbenzene	161	U
Carbon Disulfide	161	U	o-Xylene	161	U
Methylene Chloride	805	U	m,p-Xylene	161	U
trans-1,2-Dichloroethene	161	U	Styrene	161	U
Methyl-tert-butyl ether (MTBE)	121	U	Bromoform	121	U
1,1-Dichloroethane	161	U	Isopropylbenzene	161	U
Vinyl acetate	1210	U	1,1,2,2-Tetrachloroethane	121	U
Methyl ethyl ketone	1610	U	Bromobenzene	161	U
cis-1,2-Dichloroethene	161	U	1,2,3-Trichloropropane	161	U
2,2-Dichloropropane	161	U	n-Propylbenzene	161	U
Bromochloromethane	161	U	2-Chlorotoluene	161	U
Chloroform	121	U	1,3,5-Trimethylbenzene	161	U
1,1,1-Trichloroethane	161	U	4-Chlorotoluene	161	U
1,1-Dichloropropene	161	U	tert-butylbenzene	161	U
Carbon Tetrachloride	161	U	1,2,4-Trimethylbenzene	161	U
1,2-Dichloroethane	121	U	sec-butylbenzene	161	U
Benzene	161	U	p-isopropyltoluene	161	U
Trichloroethene	161	U	1,3-Dichlorobenzene	161	U
1,2-Dichloropropane	121	U	1,4-Dichlorobenzene	161	U
Dibromomethane	161	U	n-butylbenzene	161	U
Bromodichloromethane	121	U	1,2-Dichlorobenzene	161	U
cis-1,3-Dichloropropene	161	U	1,2-Dibromo-3-chloropropane	161	U
Methyl isobutyl ketone	1610	U	1,2,4-Trichlorobenzene	161	U
Toluene	161	U	Hexachlorobutadiene	161	U
trans-1,3-Dichloropropene	161	U	Naphthalene	161	U
			1,2,3-Trichlorobenzene	161	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105	%	d8-Toluene	115	%	Bromofluorobenzen	111	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 122
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-APN-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	122	U	1,1,2-Trichloroethane	92	U
Chloromethane	122	U	1,3-Dichloropropane	122	U
Vinyl Chloride	122	U	Tetrachloroethene	122	U
Bromomethane	122	U	2-Hexanone	1220	U
Chloroethane	122	U	Dibromochloromethane	92	U
Trichlorofluoromethane	122	U	1,2-Dibromoethane	92	U
1,1-Dichloroethene	92	U	Chlorobenzene	122	U
Acetone	1220	U	1,1,1,2-Tetrachloroethane	122	U
Methyl iodide	122	U	Ethylbenzene	122	U
Carbon Disulfide	122	U	o-Xylene	122	U
Methylene Chloride	612	U	m,p-Xylene	122	U
trans-1,2-Dichloroethene	122	U	Styrene	122	U
Methyl-tert-butyl ether (MTBE)	92	U	Bromoform	92	U
1,1-Dichloroethane	122	U	Isopropylbenzene	122	U
Vinyl acetate	918	U	1,1,2,2-Tetrachloroethane	92	U
Methyl ethyl ketone	1220	U	Bromobenzene	122	U
cis-1,2-Dichloroethene	122	U	1,2,3-Trichloropropane	122	U
2,2-Dichloropropane	122	U	n-Propylbenzene	122	U
Bromochloromethane	122	U	2-Chlorotoluene	122	U
Chloroform	92	U	1,3,5-Trimethylbenzene	122	U
1,1,1-Trichloroethane	122	U	4-Chlorotoluene	122	U
1,1-Dichloropropene	122	U	tert-butylbenzene	122	U
Carbon Tetrachloride	122	U	1,2,4-Trimethylbenzene	122	U
1,2-Dichloroethane	92	U	sec-butylbenzene	122	U
Benzene	122	U	p-isopropyltoluene	122	U
Trichloroethene	122	U	1,3-Dichlorobenzene	122	U
1,2-Dichloropropane	92	U	1,4-Dichlorobenzene	122	U
Dibromomethane	122	U	n-butylbenzene	122	U
Bromodichloromethane	92	U	1,2-Dichlorobenzene	122	U
cis-1,3-Dichloropropene	122	U	1,2-Dibromo-3-chloropropane	122	U
Methyl isobutyl ketone	1220	U	1,2,4-Trichlorobenzene	122	U
Toluene	122	U	Hexachlorobutadiene	122	U
trans-1,3-Dichloropropene	122	U	Naphthalene	122	U
			1,2,3-Trichlorobenzene	122	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	107 %	d8-Toluene	110 %	Bromofluorobenzen	111 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-3
Matrix: Solid
Percent Solid: 80
Dilution Factor: 146
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	146	U	1,1,2-Trichloroethane	110	U
Chloromethane	146	U	1,3-Dichloropropane	146	U
Vinyl Chloride	146	U	Tetrachloroethene	146	U
Bromomethane	146	U	2-Hexanone	1460	U
Chloroethane	146	U	Dibromochloromethane	110	U
Trichlorofluoromethane	146	U	1,2-Dibromoethane	110	U
1,1-Dichloroethene	110	U	Chlorobenzene	146	U
Acetone	1460	U	1,1,1,2-Tetrachloroethane	146	U
Methyl iodide	146	U	Ethylbenzene	146	U
Carbon Disulfide	146	U	o-Xylene	146	U
Methylene Chloride	732	U	m,p-Xylene	146	U
trans-1,2-Dichloroethene	146	U	Styrene	146	U
Methyl-tert-butyl ether (MTBE)	110	U	Bromoform	110	U
1,1-Dichloroethane	146	U	Isopropylbenzene	146	U
Vinyl acetate	1100	U	1,1,2,2-Tetrachloroethane	110	U
Methyl ethyl ketone	1460	U	Bromobenzene	146	U
cis-1,2-Dichloroethene	146	U	1,2,3-Trichloropropane	146	U
2,2-Dichloropropane	146	U	n-Propylbenzene	146	U
Bromochloromethane	146	U	2-Chlorotoluene	146	U
Chloroform	110	U	1,3,5-Trimethylbenzene	146	U
1,1,1-Trichloroethane	146	U	4-Chlorotoluene	146	U
1,1-Dichloropropene	146	U	tert-butylbenzene	146	U
Carbon Tetrachloride	146	U	1,2,4-Trimethylbenzene	146	U
1,2-Dichloroethane	110	U	sec-butylbenzene	146	U
Benzene	146	U	p-isopropyltoluene	146	U
Trichloroethene	146	U	1,3-Dichlorobenzene	146	U
1,2-Dichloropropane	110	U	1,4-Dichlorobenzene	146	U
Dibromomethane	146	U	n-butylbenzene	146	U
Bromodichloromethane	110	U	1,2-Dichlorobenzene	146	U
cis-1,3-Dichloropropene	146	U	1,2-Dibromo-3-chloropropane	146	U
Methyl isobutyl ketone	1460	U	1,2,4-Trichlorobenzene	146	U
Toluene	146	U	Hexachlorobutadiene	146	U
trans-1,3-Dichloropropene	146	U	Naphthalene	146	U
			1,2,3-Trichlorobenzene	146	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	99	%	d8-Toluene	108	%	Bromofluorobenzen	108	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-4
Matrix: Solid
Percent Solid: 91
Dilution Factor: 115
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	115	U	1,1,2-Trichloroethane	86	U
Chloromethane	115	U	1,3-Dichloropropane	115	U
Vinyl Chloride	115	U	Tetrachloroethene	115	U
Bromomethane	115	U	2-Hexanone	1150	U
Chloroethane	115	U	Dibromochloromethane	86	U
Trichlorofluoromethane	115	U	1,2-Dibromoethane	86	U
1,1-Dichloroethene	86	U	Chlorobenzene	115	U
Acetone	1150	U	1,1,1,2-Tetrachloroethane	115	U
Methyl iodide	115	U	Ethylbenzene	115	U
Carbon Disulfide	115	U	o-Xylene	115	U
Methylene Chloride	573	U	m,p-Xylene	115	U
trans-1,2-Dichloroethene	115	U	Styrene	115	U
Methyl-tert-butyl ether (MTBE)	86	U	Bromoform	86	U
1,1-Dichloroethane	115	U	Isopropylbenzene	115	U
Vinyl acetate	860	U	1,1,2,2-Tetrachloroethane	86	U
Methyl ethyl ketone	1150	U	Bromobenzene	115	U
cis-1,2-Dichloroethene	115	U	1,2,3-Trichloropropane	115	U
2,2-Dichloropropane	115	U	n-Propylbenzene	115	U
Bromochloromethane	115	U	2-Chlorotoluene	115	U
Chloroform	86	U	1,3,5-Trimethylbenzene	115	U
1,1,1-Trichloroethane	115	U	4-Chlorotoluene	115	U
1,1-Dichloropropene	115	U	tert-butylbenzene	115	U
Carbon Tetrachloride	115	U	1,2,4-Trimethylbenzene	115	U
1,2-Dichloroethane	86	U	sec-butylbenzene	115	U
Benzene	115	U	p-isopropyltoluene	115	U
Trichloroethene	115	U	1,3-Dichlorobenzene	115	U
1,2-Dichloropropane	86	U	1,4-Dichlorobenzene	115	U
Dibromomethane	115	U	n-butylbenzene	115	U
Bromodichloromethane	86	U	1,2-Dichlorobenzene	115	U
cis-1,3-Dichloropropene	115	U	1,2-Dibromo-3-chloropropane	115	U
Methyl isobutyl ketone	1150	U	1,2,4-Trichlorobenzene	115	U
Toluene	115	U	Hexachlorobutadiene	115	U
trans-1,3-Dichloropropene	115	U	Naphthalene	115	U
			1,2,3-Trichlorobenzene	115	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93	%	d8-Toluene	102	%	Bromofluorobenzen	102	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-5
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	106	%	d8-Toluene	112	%	Bromofluorobenzen	115	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: B100710AASE RR
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/07/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/	Result µg/kg	COMPOUND	Detection Limit µg/	Result µg/kg
Acenaphthene	267	U	2,4-dinitrophenol	700	U
Acenaphthylene	267	U	2,4-Dinitrotoluene	350	U
Anthracene	267	U	2,6-Dinitrotoluene	500	U
Benzo[a]anthracene	267	U	di-n-octyl-phthalate	500	U
Benzo[b] fluoranthene	267	U	Fluoranthene	267	U
Benzo[k] fluoranthene	267	U	Fluorene	267	U
Benzo(g,h,i) perylene	267	U	Hexachlorobenzene	350	U
Benzo[a] pyrene	267	U	Hexachlorobutadiene	500	U
Bis(2-chloroethoxy)methane	500	U	Hexachloroethane	350	U
bis(2-chloroethyl) ether	350	U	Indeno [1,2,3-cd] pyrene	267	U
bis(2-chloroisopropyl)ether	350	U	Isophorone	500	U
Bis (2-ethylhexyl) phthalate	500	U	2-Methylnaphthalene	267	U
4-bromophenyl phenyl ether	500	U	2-Methylphenol	700	U
Butyl benzyl phthalate	500	U	3+4-Methylphenol	700	U
4-Chloroaniline	500	U	Naphthalene	267	U
2-Chloronaphthalene	267	U	Nitrobenzene	500	U
2-Chlorophenol	350	U	2-Nitrophenol	700	U
Chrysene	267	U	4-Nitrophenol	700	U
Dibenz [a,h] anthracene	267	U	Pentachlorophenol	700	U
Dibenzofuran	267	U	Phenanthrene	267	U
Di-n-butyl phthalate	500	U	Phenol	700	U
1,2-Dichlorobenzene	500	U	Pyrene	267	U
1,3-Dichlorobenzene	500	U	1,2,4-Trichlorobenzene	500	U
1,4-Dichlorobenzene	350	U	2,4,5-Trichlorophenol	500	U
3,3'-Dichlorobenzidine	500	U	2,4,6-Trichlorophenol	350	U
2,4-Dichlorophenol	350	U	Acetophenone	500	U
Diethyl Phthalate	500	U	Azobenzene	500	U
2,4-Dimethylphenol	350	U			
Dimethyl Phthalate	500	U			
Aniline	500	U			

Surrogate Standard Recovery

2-Fluorophenol	57	%	d5-Phenol	62	%	d5-nitrobenzene	61	%
2-Fluorobiphenyl	66	%	2,4,6-Tribromophenol	78	%	d14-p-terphenyl	82	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270 MCP(63)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Percent Solid: 79
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/07/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-DC-01

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/	Result µg/kg	COMPOUND	Detection Limit µg/	Result µg/kg
Acenaphthene	330	U	2,4-dinitrophenol	870	U
Acenaphthylene	330	U	2,4-Dinitrotoluene	440	U
Anthracene	330	U	2,6-Dinitrotoluene	620	U
Benzo[a]anthracene	330	U	di-n-octyl-phthalate	620	U
Benzo[b] fluoranthene	330	**218 J**	Fluoranthene	330	**379**
Benzo[k] fluoranthene	330	U	Fluorene	330	U
Benzo(g,h,i) perylene	330	U	Hexachlorobenzene	440	U
Benzo[a] pyrene	330	U	Hexachlorobutadiene	620	U
Bis(2-chloroethoxy)methane	620	U	Hexachloroethane	440	U
bis(2-chloroethyl) ether	440	U	Indeno [1,2,3-cd] pyrene	330	U
bis(2-chloroisopropyl)ether	440	U	Isophorone	620	U
Bis (2-ethylhexyl) phthalate	620	U	2-Methylnaphthalene	330	U
4-bromophenyl phenyl ether	620	U	2-Methylphenol	870	U
Butyl benzyl phthalate	620	U	3+4-Methylphenol	870	U
4-Chloroaniline	620	U	Naphthalene	330	U
2-Chloronaphthalene	330	U	Nitrobenzene	620	U
2-Chlorophenol	440	U	2-Nitrophenol	870	U
Chrysene	330	**171 J**	4-Nitrophenol	870	U
Dibenz [a,h] anthracene	330	U	Pentachlorophenol	870	U
Dibenzofuran	330	U	Phenanthrene	330	**310 J**
Di-n-butyl phthalate	620	U	Phenol	870	U
1,2-Dichlorobenzene	620	U	Pyrene	330	**368**
1,3-Dichlorobenzene	620	U	1,2,4-Trichlorobenzene	620	U
1,4-Dichlorobenzene	440	U	2,4,5-Trichlorophenol	620	U
3,3'-Dichlorobenzidine	620	U	2,4,6-Trichlorophenol	440	U
2,4-Dichlorophenol	440	U	Acetophenone	620	U
Diethyl Phthalate	620	U	Azobenzene	620	U
2,4-Dimethylphenol	440	U			
Dimethyl Phthalate	620	U			
Aniline	620	U			

Surrogate Standard Recovery

2-Fluorophenol	62	%	d5-Phenol	73	%	d5-nitrobenzene	72	%
2-Fluorobiphenyl	77	%	2,4,6-Tribromophenol	88	%	d14-p-terphenyl	79	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270 MCP(63)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/07/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-APN-01

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/	Result µg/kg	COMPOUND	Detection Limit µg/	Result µg/kg
Acenaphthene	290	U	2,4-dinitrophenol	760	U
Acenaphthylene	290	U	2,4-Dinitrotoluene	380	U
Anthracene	290	U	2,6-Dinitrotoluene	540	U
Benzo[a]anthracene	290	U	di-n-octyl-phthalate	540	U
Benzo[b] fluoranthene	290	U	Fluoranthene	290	U
Benzo[k] fluoranthene	290	U	Fluorene	290	U
Benzo(g,h,i) perylene	290	U	Hexachlorobenzene	380	U
Benzo[a] pyrene	290	U	Hexachlorobutadiene	540	U
Bis(2-chloroethoxy)methane	540	U	Hexachloroethane	380	U
bis(2-chloroethyl) ether	380	U	Indeno [1,2,3-cd] pyrene	290	U
bis(2-chloroisopropyl)ether	380	U	Isophorone	540	U
Bis (2-ethylhexyl) phthalate	540	U	2-Methylnaphthalene	290	U
4-bromophenyl phenyl ether	540	U	2-Methylphenol	760	U
Butyl benzyl phthalate	540	U	3+4-Methylphenol	760	U
4-Chloroaniline	540	U	Naphthalene	290	U
2-Chloronaphthalene	290	U	Nitrobenzene	540	U
2-Chlorophenol	380	U	2-Nitrophenol	760	U
Chrysene	290	U	4-Nitrophenol	760	U
Dibenz [a,h] anthracene	290	U	Pentachlorophenol	760	U
Dibenzofuran	290	U	Phenanthrene	290	U
Di-n-butyl phthalate	540	U	Phenol	760	U
1,2-Dichlorobenzene	540	U	Pyrene	290	U
1,3-Dichlorobenzene	540	U	1,2,4-Trichlorobenzene	540	U
1,4-Dichlorobenzene	380	U	2,4,5-Trichlorophenol	540	U
3,3'-Dichlorobenzidine	540	U	2,4,6-Trichlorophenol	380	U
2,4-Dichlorophenol	380	U	Acetophenone	540	U
Diethyl Phthalate	540	U	Azobenzene	540	U
2,4-Dimethylphenol	380	U			
Dimethyl Phthalate	540	U			
Aniline	540	U			

Surrogate Standard Recovery

2-Fluorophenol	71	%	d5-Phenol	81	%	d5-nitrobenzene	78	%
2-Fluorobiphenyl	87	%	2,4,6-Tribromophenol	93	%	d14-p-terphenyl	76	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270 MCP(63)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-3
Matrix: Solid
Percent Solid: 80
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/07/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-01

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/	Result µg/kg	COMPOUND	Detection Limit µg/	Result µg/kg
Acenaphthene	320	U	2,4-dinitrophenol	840	U
Acenaphthylene	320	U	2,4-Dinitrotoluene	420	U
Anthracene	320	U	2,6-Dinitrotoluene	600	U
Benzo[a]anthracene	320	U	di-n-octyl-phthalate	600	U
Benzo[b] fluoranthene	320	U	Fluoranthene	320	U
Benzo[k] fluoranthene	320	U	Fluorene	320	U
Benzo(g,h,i) perylene	320	U	Hexachlorobenzene	420	U
Benzo[a] pyrene	320	U	Hexachlorobutadiene	600	U
Bis(2-chloroethoxy)methane	600	U	Hexachloroethane	420	U
bis(2-chloroethyl) ether	420	U	Indeno [1,2,3-cd] pyrene	320	U
bis(2-chloroisopropyl)ether	420	U	Isophorone	600	U
Bis (2-ethylhexyl) phthalate	600	U	2-Methylnaphthalene	320	U
4-bromophenyl phenyl ether	600	U	2-Methylphenol	840	U
Butyl benzyl phthalate	600	U	3+4-Methylphenol	840	U
4-Chloroaniline	600	U	Naphthalene	320	U
2-Chloronaphthalene	320	U	Nitrobenzene	600	U
2-Chlorophenol	420	U	2-Nitrophenol	840	U
Chrysene	320	U	4-Nitrophenol	840	U
Dibenz [a,h] anthracene	320	U	Pentachlorophenol	840	U
Dibenzofuran	320	U	Phenanthrene	320	U
Di-n-butyl phthalate	600	U	Phenol	840	U
1,2-Dichlorobenzene	600	U	Pyrene	320	**167 J**
1,3-Dichlorobenzene	600	U	1,2,4-Trichlorobenzene	600	U
1,4-Dichlorobenzene	420	U	2,4,5-Trichlorophenol	600	U
3,3'-Dichlorobenzidine	600	U	2,4,6-Trichlorophenol	420	U
2,4-Dichlorophenol	420	U	Acetophenone	600	U
Diethyl Phthalate	600	U	Azobenzene	600	U
2,4-Dimethylphenol	420	U			
Dimethyl Phthalate	600	U			
Aniline	600	U			

Surrogate Standard Recovery

2-Fluorophenol	63	%	d5-Phenol	71	%	d5-nitrobenzene	66	%
2-Fluorobiphenyl	71	%	2,4,6-Tribromophenol	86	%	d14-p-terphenyl	74	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270 MCP(63)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-4
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.1
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/07/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-02

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/	Result µg/kg	COMPOUND	Detection Limit µg/	Result µg/kg
Acenaphthene	290	U	2,4-dinitrophenol	760	U
Acenaphthylene	290	U	2,4-Dinitrotoluene	380	U
Anthracene	290	U	2,6-Dinitrotoluene	540	U
Benzo[a]anthracene	290	U	di-n-octyl-phthalate	540	U
Benzo[b] fluoranthene	290	U	Fluoranthene	290	U
Benzo[k] fluoranthene	290	U	Fluorene	290	U
Benzo(g,h,i) perylene	290	U	Hexachlorobenzene	380	U
Benzo[a] pyrene	290	U	Hexachlorobutadiene	540	U
Bis(2-chloroethoxy)methane	540	U	Hexachloroethane	380	U
bis(2-chloroethyl) ether	380	U	Indeno [1,2,3-cd] pyrene	290	U
bis(2-chloroisopropyl)ether	380	U	Isophorone	540	U
Bis (2-ethylhexyl) phthalate	540	U	2-Methylnaphthalene	290	U
4-bromophenyl phenyl ether	540	U	2-Methylphenol	760	U
Butyl benzyl phthalate	540	U	3+4-Methylphenol	760	U
4-Chloroaniline	540	U	Naphthalene	290	U
2-Chloronaphthalene	290	U	Nitrobenzene	540	U
2-Chlorophenol	380	U	2-Nitrophenol	760	U
Chrysene	290	U	4-Nitrophenol	760	U
Dibenz [a,h] anthracene	290	U	Pentachlorophenol	760	U
Dibenzofuran	290	U	Phenanthrene	290	**149 J**
Di-n-butyl phthalate	540	U	Phenol	760	U
1,2-Dichlorobenzene	540	U	Pyrene	290	U
1,3-Dichlorobenzene	540	U	1,2,4-Trichlorobenzene	540	U
1,4-Dichlorobenzene	380	U	2,4,5-Trichlorophenol	540	U
3,3'-Dichlorobenzidine	540	U	2,4,6-Trichlorophenol	380	U
2,4-Dichlorophenol	380	U	Acetophenone	540	U
Diethyl Phthalate	540	U	Azobenzene	540	U
2,4-Dimethylphenol	380	U			
Dimethyl Phthalate	540	U			
Aniline	540	U			

Surrogate Standard Recovery

2-Fluorophenol	66	%	d5-Phenol	75	%	d5-nitrobenzene	69	%
2-Fluorobiphenyl	75	%	2,4,6-Tribromophenol	89	%	d14-p-terphenyl	74	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270 MCP(63)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: Lab QC

SAMPLE DATA

Lab Sample ID: B100810PSOX2
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/08/10
Analysis Date: 10/13/10

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U
PCB-1262	33	U
PCB-1268	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	105	%
Decachlorobiphenyl	66	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Percent Solid: 79
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/08/10
Analysis Date: 10/13/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-DC-01

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	40	U
PCB-1221	40	U
PCB-1232	40	U
PCB-1242	40	U
PCB-1248	40	U
PCB-1254	40	U
PCB-1260	40	U
PCB-1262	40	U
PCB-1268	40	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	91	%
Decachlorobiphenyl	72	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/08/10
Analysis Date: 10/13/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-APN-01

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	36	U
PCB-1221	36	U
PCB-1232	36	U
PCB-1242	36	U
PCB-1248	36	U
PCB-1254	36	U
PCB-1260	36	**45**
PCB-1262	36	U
PCB-1268	36	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	85	%
Decachlorobiphenyl	57	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967
Sample: 67967-2,,A/C
Data File: M31686.D
Dilution Factor: 1.1

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	44	45	4.0	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

PCB FORM 10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID:	67967-3
Matrix:	Solid
Percent Solid:	80
Dilution Factor:	1.2
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/08/10
Analysis Date:	10/13/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GTM-01

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	40	U
PCB-1221	40	U
PCB-1232	40	U
PCB-1242	40	U
PCB-1248	40	U
PCB-1254	40	U
PCB-1260	40	U
PCB-1262	40	U
PCB-1268	40	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	107	%
Decachlorobiphenyl	52	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID: 67967-4
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.0
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/08/10
Analysis Date: 10/13/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-02

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	**27 J**
PCB-1262	33	U
PCB-1268	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	93	%
Decachlorobiphenyl	57	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967
Sample: 67967-4,,A/C
Data File: M31690.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	25 J	27 J	9.5	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

PCB FORM 10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: Lab QC

Lab Sample ID: B101310PAS
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/13/10
Analysis Date: 10/16/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	79	%
Decachlorobiphenyl	61	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID: B101310PAS RR
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/13/10
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Lab QC

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	78	%
Decachlorobiphenyl	61	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	67967-1
Matrix:	Solid
Percent Solid:	79
Dilution Factor:	1.2
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/13/10
Analysis Date:	10/16/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-DC-01

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	6	U	Endosulfan II	6	U
b-BHC	6	U	4,4'-DDD	6	U
d-BHC	6	U	Endosulfan Sulfate	6	U
g-BHC	6	U	4,4'-DDT	6	U
Heptachlor	6	U	Methoxychlor	18	U
Aldrin	6	U	Endrin Ketone	6	U
Heptachlor Epoxide	6	U	Endrin Aldehyde	6	U
Endosulfan I	6	U	alpha-Chlordane	6	U
Dieldrin	6	U	gamma-Chlordane	6	U
4,4'-DDE	6	U	Toxaphene	79	U
Endrin	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	54	%
Decachlorobiphenyl	65	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID: 67967-1 RR
Matrix: Solid
Percent Solid: 79
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-DC-01

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	6	U	Endosulfan II	6	U
b-BHC	6	U	4,4'-DDD	6	U
d-BHC	6	U	Endosulfan Sulfate	6	U
g-BHC	6	U	4,4'-DDT	6	U
Heptachlor	6	U	Methoxychlor	18	U
Aldrin	6	U	Endrin Ketone	6	U
Heptachlor Epoxide	6	U	Endrin Aldehyde	6	U
Endosulfan I	6	U	alpha-Chlordane	6	U
Dieldrin	6	U	gamma-Chlordane	6	U
4,4'-DDE	6	U	Toxaphene	79	U
Endrin	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	54	%
Decachlorobiphenyl	61	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID: 67967-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/16/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-APN-01

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5.5	U	Endosulfan II	5.5	U
b-BHC	5.5	U	4,4'-DDD	5.5	U
d-BHC	5.5	U	Endosulfan Sulfate	5.5	U
g-BHC	5.5	U	4,4'-DDT	5.5	U
Heptachlor	5.5	U	Methoxychlor	17	U
Aldrin	5.5	U	Endrin Ketone	5.5	U
Heptachlor Epoxide	5.5	U	Endrin Aldehyde	5.5	U
Endosulfan I	5.5	U	alpha-Chlordane	5.5	U
Dieldrin	5.5	U	gamma-Chlordane	5.5	U
4,4'-DDE	5.5	U	Toxaphene	73	U
Endrin	5.5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	63	%
Decachlorobiphenyl	58	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

TTEC Pest

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: WC-B82-APN-01

Lab Sample ID: 67967-2 RR
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/18/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5.5	U	Endosulfan II	5.5	U
b-BHC	5.5	U	4,4'-DDD	5.5	U
d-BHC	5.5	U	Endosulfan Sulfate	5.5	U
g-BHC	5.5	U	4,4'-DDT	5.5	U
Heptachlor	5.5	U	Methoxychlor	17	U
Aldrin	5.5	U	Endrin Ketone	5.5	U
Heptachlor Epoxide	5.5	U	Endrin Aldehyde	5.5	U
Endosulfan I	5.5	U	alpha-Chlordane	5.5	U
Dieldrin	5.5	U	gamma-Chlordane	5.5	U
4,4'-DDE	5.5	U	Toxaphene	73	U
Endrin	5.5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	64	%
Decachlorobiphenyl	57	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: WC-B82-GTM-01

Lab Sample ID: 67967-3
Matrix: Solid
Percent Solid: 80
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/16/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	6	U	Endosulfan II	6	U
b-BHC	6	U	4,4'-DDD	6	U
d-BHC	6	U	Endosulfan Sulfate	6	U
g-BHC	6	U	4,4'-DDT	6	U
Heptachlor	6	U	Methoxychlor	18	U
Aldrin	6	U	Endrin Ketone	6	U
Heptachlor Epoxide	6	U	Endrin Aldehyde	6	U
Endosulfan I	6	U	alpha-Chlordane	6	U
Dieldrin	6	U	gamma-Chlordane	6	U
4,4'-DDE	6	U	Toxaphene	79	U
Endrin	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	59	%
Decachlorobiphenyl	59	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: WC-B82-GTM-01

Lab Sample ID: 67967-3 RR
Matrix: Solid
Percent Solid: 80
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/18/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	6	U	Endosulfan II	6	U
b-BHC	6	U	4,4'-DDD	6	U
d-BHC	6	U	Endosulfan Sulfate	6	U
g-BHC	6	U	4,4'-DDT	6	U
Heptachlor	6	U	Methoxychlor	18	U
Aldrin	6	U	Endrin Ketone	6	U
Heptachlor Epoxide	6	U	Endrin Aldehyde	6	U
Endosulfan I	6	U	alpha-Chlordane	6	U
Dieldrin	6	U	gamma-Chlordane	6	U
4,4'-DDE	6	U	Toxaphene	79	U
Endrin	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	59	%
Decachlorobiphenyl	57	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: WC-B82-GTM-02

Lab Sample ID: 67967-4
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.0
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/16/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	70	%
Decachlorobiphenyl	53	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: WC-B82-GTM-02

Lab Sample ID: 67967-4 RR
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.0
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/18/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	68	%
Decachlorobiphenyl	53	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	B100710TAS
Matrix:	Solid
Percent Solid:	100
Dilution Factor:	1
Collection Date:	N/A
Lab Receipt Date:	N/A
Extraction Date:	10/07/01
Analysis Date:	10/08/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	LABQC

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
U	mg/kg	5

Surrogate Standard Recovery

m-Terphenyl	93	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis.

TPH layout

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	67967-1
Matrix:	Solid
Percent Solid:	79
Dilution Factor:	1.3
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/07/10
Analysis Date:	10/08/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-DC-01

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
56	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis. Quantitation performed based on a No. 2 Fuel/Diesel Oil standard.

TPH layout

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	67967-2
Matrix:	Solid
Percent Solid:	88
Dilution Factor:	1.1
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/07/10
Analysis Date:	10/08/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-APN-01

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
84	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis. Quantitation performed based on a No. 2 Fuel/Diesel Oil standard.

TPH layout

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	67967-3
Matrix:	Solid
Percent Solid:	80
Dilution Factor:	1.2
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/07/10
Analysis Date:	10/08/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GTM-01

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
54	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis. Quantitation performed based on a No. 2 Fuel/Diesel Oil standard.

TPH layout

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	67967-4
Matrix:	Solid
Percent Solid:	91
Dilution Factor:	1.1
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/07/10
Analysis Date:	10/08/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GTM-02

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
72	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis. Quantitation performed based on a No. 2 Fuel/Diesel Oil standard.

TPH layout

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-DC-01

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Collection Date: 10/06/10 7:15
Lab Receipt Date: 10/06/10
Analysis Date: 10/06/10

Flash Point Analysis

Sample	Result	Units
67967-1	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-APN-01

SAMPLE DATA

Lab Sample ID: 67967-2
Matrix: Solid
Collection Date: 10/06/10 7:20
Lab Receipt Date: 10/06/10
Analysis Date: 10/06/10

Flash Point Analysis

Sample	Result	Units
67967-2	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-GTM-01

SAMPLE DATA

Lab Sample ID: 67967-3
Matrix: Solid
Collection Date: 10/06/10 7:30
Lab Receipt Date: 10/06/10
Analysis Date: 10/06/10

Flash Point Analysis

Sample	Result	Units
67967-3	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-GTM-02

SAMPLE DATA

Lab Sample ID: 67967-4
Matrix: Solid
Collection Date: 10/06/10 7:40
Lab Receipt Date: 10/06/10
Analysis Date: 10/06/10

Flash Point Analysis

Sample	Result	Units
67967-4	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-DC-01

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Collection Date: 10/06/10 Time Collected: 7:15
Lab Receipt Date: 10/06/10
Analysis Date: 10/08/10 Time Analyzed: 1:58

pH ANALYSIS

Sample	Result	Units
67967-1	**7.1**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-APN-01

SAMPLE DATA

Lab Sample ID: 67967-2
Matrix: Solid
Collection Date: 10/06/10 Time Collected: 7:20
Lab Receipt Date: 10/06/10
Analysis Date: 10/08/10 Time Analyzed: 2:01

pH ANALYSIS

Sample	Result	Units
67967-2	**7.3**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-GTM-01

SAMPLE DATA

Lab Sample ID: 67967-3
Matrix: Solid
Collection Date: 10/06/10 Time Collected: 7:30
Lab Receipt Date: 10/06/10
Analysis Date: 10/08/10 Time Analyzed: 2:04

pH ANALYSIS

Sample	Result	Units
67967-3	**7.9**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-GTM-02

SAMPLE DATA

Lab Sample ID: 67967-4
Matrix: Solid
Collection Date: 10/06/10 Time Collected: 7:40
Lab Receipt Date: 10/06/10
Analysis Date: 10/08/10 Time Analyzed: 2:07

pH ANALYSIS

Sample	Result	Units
67967-4	**8.0**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-DC-01

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Percent Solid 79%
Collection Date: 10/06/10 7:15
Lab Receipt Date: 10/06/10
Analysis Date: 10/07/10

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	12	1
Cyanide Reactivity	U	mg/kg	13	1

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: Reactivity results are expressed on a dry weight basis.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Client Sample ID:	WC-B82-APN-01

SAMPLE DATA

Lab Sample ID:	67967-2
Matrix:	Solid
Percent Solid	88%
Collection Date:	10/06/10 7:20
Lab Receipt Date:	10/06/10
Analysis Date:	10/07/10

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	11	0.9
Cyanide Reactivity	U	mg/kg	11	1

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: Reactivity results are expressed on a dry weight basis.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-GTM-01

SAMPLE DATA

Lab Sample ID: 67967-3
Matrix: Solid
Percent Solid 80%
Collection Date: 10/06/10 7:30
Lab Receipt Date: 10/06/10
Analysis Date: 10/07/10

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	12	1
Cyanide Reactivity	U	mg/kg	12	1

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: Reactivity results are expressed on a dry weight basis.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Client Sample ID:	WC-B82-GTM-02

SAMPLE DATA

Lab Sample ID:	67967-4
Matrix:	Solid
Percent Solid	91%
Collection Date:	10/06/10 7:40
Lab Receipt Date:	10/06/10
Analysis Date:	10/07/10

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	11	1
Cyanide Reactivity	U	mg/kg	10	0.9

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: **Reactivity results are expressed on a dry weight basis.**

Authorized signature

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-62043-1

SDG Number: 67967

Job Description: NAS SOWEY 106-2282

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
10/28/2010 7:33 AM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
10/28/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SAV	SW846 7471B	
Preparation, Mercury	TAL SAV		SW846 7471B
Specific Conductance	TAL PEN	SW846 9050A	
Deionized Water Leaching Procedure	TAL PEN		ASTM DI Leach
Organic Carbon, Total (TOC)	TAL SAV	SW846 9060A	

Lab References:

TAL PEN = TestAmerica Pensacola

TAL SAV = TestAmerica Savannah

Method References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Method	Analyst	Analyst ID
SW846 6010C	Bland, Brian	BCB
SW846 7471B	Vasquez, Juana	JV
SW846 9050A	Gimlin, Wendy	WG
SW846 9060A	Holmes, Tinita	TH

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-62043-1	WC-B82-DC-01	Solid	10/06/2010 0715	10/08/2010 0950
680-62043-2	WC-B82-APN-01	Solid	10/06/2010 0720	10/08/2010 0950
680-62043-3	WC-B82-GTM-01	Solid	10/06/2010 0730	10/08/2010 0950
680-62043-4	WC-B82-GTM-02	Solid	10/06/2010 0740	10/08/2010 0950

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Client Sample ID: **WC-B82-DC-01**

Lab Sample ID: 680-62043-1
Client Matrix: Solid
% Moisture: 20.2

Date Sampled: 10/06/2010 0715
Date Received: 10/08/2010 0950

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-182951		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-182698		Lab File ID:	1013101108.chr
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Date Analyzed:	10/13/2010 1912			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2010 1435				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2.1	J	0.68	2.3
Barium		17		0.35	1.2
Cadmium		0.12	U	0.12	0.58
Chromium		6.8		0.58	1.2
Silver		0.11	U	0.11	1.2
Lead		16		0.61	1.2
Selenium		1.2	U	1.2	2.9

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-183856		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-183493		Lab File ID:	b102110a.chr
Dilution:	1.0			Initial Weight/Volume:	0.51 g
Date Analyzed:	10/21/2010 1527			Final Weight/Volume:	50 mL
Date Prepared:	10/20/2010 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	J	0.010	0.025

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Client Sample ID: **WC-B82-APN-01**

Lab Sample ID: 680-62043-2
Client Matrix: Solid
% Moisture: 10.4

Date Sampled: 10/06/2010 0720
Date Received: 10/08/2010 0950

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-182951		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-182698		Lab File ID:	1013101108.chr
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	10/13/2010 1938			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2010 1435				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		0.70	J	0.65	2.2
Barium		14		0.33	1.1
Cadmium		0.11	U	0.11	0.55
Chromium		4.5		0.55	1.1
Silver		0.11	U	0.11	1.1
Lead		4.9		0.58	1.1
Selenium		1.1	U	1.1	2.7

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-183856		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-183493		Lab File ID:	b102110a.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	10/21/2010 1530			Final Weight/Volume:	50 mL
Date Prepared:	10/20/2010 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0088	U	0.0088	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Client Sample ID: **WC-B82-GTM-01**

Lab Sample ID: 680-62043-3
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 10/06/2010 0730
Date Received: 10/08/2010 0950

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-182951		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-182698		Lab File ID:	1013101108.chr
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	10/13/2010 1944			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2010 1435				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		0.60	U	0.60	2.0
Barium		11		0.31	1.0
Cadmium		0.10	J	0.10	0.51
Chromium		4.3		0.51	1.0
Silver		0.098	U	0.098	1.0
Lead		5.7		0.54	1.0
Selenium		1.0	U	1.0	2.6

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-183856		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-183493		Lab File ID:	b102110a.chr
Dilution:	1.0			Initial Weight/Volume:	0.51 g
Date Analyzed:	10/21/2010 1533			Final Weight/Volume:	50 mL
Date Prepared:	10/20/2010 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0086	U	0.0086	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Client Sample ID: **WC-B82-GTM-02**

Lab Sample ID: 680-62043-4
Client Matrix: Solid
% Moisture: 8.7

Date Sampled: 10/06/2010 0740
Date Received: 10/08/2010 0950

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-182951		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-182698		Lab File ID:	1013101108.chr
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	10/13/2010 1949			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2010 1435				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		0.98	J	0.63	2.1
Barium		14		0.32	1.1
Cadmium		0.11	U	0.11	0.54
Chromium		6.3		0.54	1.1
Silver		0.10	U	0.10	1.1
Lead		300		0.57	1.1
Selenium		1.1	U	1.1	2.7

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-183856		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-183493		Lab File ID:	b102110a.chr
Dilution:	1.0			Initial Weight/Volume:	0.54 g
Date Analyzed:	10/21/2010 1537			Final Weight/Volume:	50 mL
Date Prepared:	10/20/2010 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0083	U	0.0083	0.020

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

General Chemistry

Client Sample ID: **WC-B82-DC-01**

Lab Sample ID: 680-62043-1
Client Matrix: Solid

Date Sampled: 10/06/2010 0715
Date Received: 10/08/2010 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Specific Conductance-Soluble	530		umhos/cm	10	100	1.0	9050A
Analysis Batch: 400-119046	Date Analyzed: 10/20/2010 1500						DryWt Corrected: N
Total Organic Carbon	22000		mg/Kg	1000	3000	1.0	9060A
Analysis Batch: 680-183799	Date Analyzed: 10/21/2010 1113						DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

General Chemistry

Client Sample ID: **WC-B82-APN-01**

Lab Sample ID: 680-62043-2
Client Matrix: Solid

Date Sampled: 10/06/2010 0720
Date Received: 10/08/2010 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Specific Conductance-Soluble	110		umhos/cm	10	100	1.0	9050A
Analysis Batch: 400-119046	Date Analyzed: 10/20/2010 1500						DryWt Corrected: N
Total Organic Carbon	6700		mg/Kg	1000	3000	1.0	9060A
Analysis Batch: 680-183799	Date Analyzed: 10/21/2010 1113						DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

General Chemistry

Client Sample ID: **WC-B82-GTM-01**

Lab Sample ID: 680-62043-3
Client Matrix: Solid

Date Sampled: 10/06/2010 0730
Date Received: 10/08/2010 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Specific Conductance-Soluble	150		umhos/cm	10	100	1.0	9050A
Analysis Batch: 400-119046	Date Analyzed: 10/20/2010 1500						DryWt Corrected: N
Total Organic Carbon	1300	J	mg/Kg	1000	3000	1.0	9060A
Analysis Batch: 680-183799	Date Analyzed: 10/21/2010 1113						DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

General Chemistry

Client Sample ID: **WC-B82-GTM-02**

Lab Sample ID: 680-62043-4
Client Matrix: Solid

Date Sampled: 10/06/2010 0740
Date Received: 10/08/2010 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Specific Conductance-Soluble	91	J	umhos/cm	10	100	1.0	9050A
Analysis Batch: 400-119046	Date Analyzed: 10/20/2010 1500						DryWt Corrected: N
Total Organic Carbon	2100	J	mg/Kg	1000	3000	1.0	9060A
Analysis Batch: 680-183799	Date Analyzed: 10/21/2010 1113						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Method Blank - Batch: 680-182698

Method: 6010C
Preparation: 3050B

Lab Sample ID: MB 680-182698/15-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2010 1831
Date Prepared: 10/12/2010 1435

Analysis Batch: 680-182951
Prep Batch: 680-182698
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 1013101108.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.59	U	0.59	2.0
Barium	0.30	U	0.30	1.0
Cadmium	0.10	U	0.10	0.50
Chromium	0.50	U	0.50	1.0
Silver	0.096	U	0.096	1.0
Lead	0.53	U	0.53	1.0
Selenium	1.0	U	1.0	2.5

Lab Control Sample - Batch: 680-182698

Method: 6010C
Preparation: 3050B

Lab Sample ID: LCS 680-182698/16-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2010 1836
Date Prepared: 10/12/2010 1435

Analysis Batch: 680-182951
Prep Batch: 680-182698
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 1013101108.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	198	99	75 - 125	
Barium	200	197	98	75 - 125	
Cadmium	5.00	5.34	107	75 - 125	
Chromium	20.0	20.7	103	75 - 125	
Silver	5.00	4.55	91	75 - 125	
Lead	50.0	53.3	107	75 - 125	
Selenium	200	205	102	75 - 125	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-182698

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-62051-A-1-C MS	Analysis Batch: 680-182951	Instrument ID: ICPD
Client Matrix:	Solid	Prep Batch: 680-182698	Lab File ID: 1013101108.chr
Dilution:	1.0		Initial Weight/Volume: 1.04 g
Date Analyzed:	10/13/2010 1846		Final Weight/Volume: 100 mL
Date Prepared:	10/12/2010 1435		

MSD Lab Sample ID:	680-62051-A-1-D MSD	Analysis Batch: 680-182951	Instrument ID: ICPD
Client Matrix:	Solid	Prep Batch: 680-182698	Lab File ID: 1013101108.chr
Dilution:	1.0		Initial Weight/Volume: 1.04 g
Date Analyzed:	10/13/2010 1851		Final Weight/Volume: 100 mL
Date Prepared:	10/12/2010 1435		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	93	98	75 - 125	5	20		
Barium	100	120	75 - 125	10	20		
Cadmium	100	106	75 - 125	5	20		
Chromium	97	107	75 - 125	4	20		
Silver	86	92	75 - 125	6	20		
Lead	96	103	75 - 125	5	20		
Selenium	94	99	75 - 125	5	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Method Blank - Batch: 680-183493

Method: 7471B
Preparation: 7471B

Lab Sample ID: MB 680-183493/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/21/2010 1521
Date Prepared: 10/20/2010 1045

Analysis Batch: 680-183856
Prep Batch: 680-183493
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b102110a.chr
Initial Weight/Volume: 0.51 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0080	U	0.0080	0.020

Lab Control Sample - Batch: 680-183493

Method: 7471B
Preparation: 7471B

Lab Sample ID: LCS 680-183493/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/21/2010 1524
Date Prepared: 10/20/2010 1045

Analysis Batch: 680-183856
Prep Batch: 680-183493
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b102110a.chr
Initial Weight/Volume: 0.52 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.240	0.257	107	80 - 120	

Matrix Spike - Batch: 680-183493

Method: 7471B
Preparation: 7471B

Lab Sample ID: 680-62177-A-1-F MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/21/2010 1614
Date Prepared: 10/20/2010 1045

Analysis Batch: 680-183856
Prep Batch: 680-183493
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b102110a.chr
Initial Weight/Volume: 0.52 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0095	U	0.114	0.130	114	80 - 120	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Duplicate - Batch: 680-183493

Method: 7471B
Preparation: 7471B

Lab Sample ID:	680-62177-A-1-E DU	Analysis Batch:	680-183856	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-183493	Lab File ID:	b102110a.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.54 g
Date Analyzed:	10/21/2010 1600			Final Weight/Volume:	50 mL
Date Prepared:	10/20/2010 1045				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.0095	U	0.0090	NC	20	U

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Method Blank - Batch: 400-119046

Method: 9050A
Preparation: N/A

Lab Sample ID: MB 400-118986/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/20/2010 1500
Date Prepared: N/A
Date Leached: 10/20/2010 0900

Analysis Batch: 400-119046
Prep Batch: N/A
Units: umhos/cm

Leachate Batch: 400-118986

Instrument ID: Cond Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Specific Conductance-Soluble	34.4	J	10	100

Lab Control Sample - Batch: 400-119046

Method: 9050A
Preparation: N/A

Lab Sample ID: LCS 400-118986/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/20/2010 1500
Date Prepared: N/A
Date Leached: 10/20/2010 0900

Analysis Batch: 400-119046
Prep Batch: N/A
Units: umhos/cm

Leachate Batch: 400-118986

Instrument ID: Cond Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Specific Conductance-Soluble	197	198	101	98 - 102	

Duplicate - Batch: 400-119046

Method: 9050A
Preparation: N/A

Lab Sample ID: 680-62043-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/20/2010 1500
Date Prepared: N/A
Date Leached: 10/20/2010 0900

Analysis Batch: 400-119046
Prep Batch: N/A
Units: umhos/cm

Leachate Batch: 400-118986

Instrument ID: Cond Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance-Soluble	530	524	2	2	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Method Blank - Batch: 680-183799

Method: 9060A
Preparation: N/A

Lab Sample ID:	MB 680-183799/1	Analysis Batch:	680-183799	Instrument ID:	TOC2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	100 mg
Date Analyzed:	10/21/2010 1113			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	1000	U	1000	3000

Lab Control Sample - Batch: 680-183799

Method: 9060A
Preparation: N/A

Lab Sample ID:	LCS 680-183799/2	Analysis Batch:	680-183799	Instrument ID:	TOC2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	100 mg
Date Analyzed:	10/21/2010 1113			Final Weight/Volume:	100 mg
Date Prepared:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	60000	63900	107	60 - 140	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183799

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	680-62043-3	Analysis Batch:	680-183799	Instrument ID:	TOC2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	101.3 mg
Date Analyzed:	10/21/2010 1113			Final Weight/Volume:	101.3 mg
Date Prepared:	N/A				
MSD Lab Sample ID:	680-62043-3	Analysis Batch:	680-183799	Instrument ID:	TOC2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	101.7 mg
Date Analyzed:	10/21/2010 1113			Final Weight/Volume:	101.7 mg
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon	105	105	60 - 140	0	40		

Chain Of Custody Form

TA - 6A

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Lab Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: 106-2282 Proj. Name: NAS-SOWEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO#67967 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type	pH	Analytics Sample #
WC-B82-DC-01	10/6/10	715	RCRA 8 Metals/Sp. Cond. /TOC		X						S	3 G		67967 -1
WC-B82-APN-01		720	RCRA 8 Metals/Sp. Cond. /TOC		X						S	G		-2
WC-B82-GTM-01		730	RCRA 8 Metals/Sp. Cond. /TOC		X						S	G		-3
WC-B82-GTM-02		740	RCRA 8 Metals/Sp. Cond. /TOC		X						S	G		-4

Received By: Time: Date:
Received By: Time: 500 Date: 10/7/10
Received By: Time: 09:50 Date: 10/8/10
Relinquished By: Relinquished By: Relinquished By:

Email Results to:
mgulli@analyticslab.com
cpayne@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒ 10 Days 10/20/10
*Fee may apply; lab approval required

Comments / Instructions:

Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☐ DOD* ☒ Level IV*
☐ Standard

State:
☐ NH
☒ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)

EDD Required: Y* N
Type: TTEC EDD

Analytics\AEL Documents\AEL COC

Page 1 of 1

3.1
680-62013 62043

EXTRACTION
LOGBOOK PAGES

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

October 26, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston, MA

RE: Analytical Results Case Narrative
Analytics # 67967
NAS SOWEY Blg. 82
South Weymouth, MA

Dear Mr. Corbett:

Enclosed please find the analytical results for samples collected from the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for VOCs by EPA Method 8260B, Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270C, Total Petroleum Hydrocarbons (TPH) by EPA Method 8015B,Pesticides by EPA Method 8081A, PCBs by EPA Methods 8082, Flashpoint by EPA Method 1010, pH by EPA Method 9045, Sulfide reactivity by Chapter 7 Modified Method 7.3.4.2 and Cyanide Reactivity by Chapter 7 Modified Method 7.3.3.2, Total Organic Carbon (TOC), Conductivity and RCRA 8 metals. The TOC, Conductivity and Metals analyses were subcontracted to Test America Laboratories, GA.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level IV package has been assembled in the following order and includes Raw Data:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- Summary Report-Forms 1 thru 8
- VOC Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- VOC Form 2 Surrogate Recoveries
- VOC Form 3 MS/MSD (LCS) Recoveries
- VOC Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
- VOC Form 5 BFB Tune Summaries (equiv.)
- VOC Form 6 Initial Calibration Data (equiv.) Response Factor Report
- VOC Form 7 Continuing Calibration Check (equiv.)
- VOC Form 8 Internal Standard Area and RT Summary
- SVOC Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- SVOC Form 2 Surrogate Recoveries
- SVOC Form 3 MS/MSD (LCS) Recoveries
- SVOC Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
- SVOC Form 5 DFTPP Tune Summaries (equiv.)
- SVOC Form 6 Initial Calibration Data (equiv.) Response Factor Report
- SVOC Form 7 Continuing Calibration Check (equiv.)
- SVOC Form 8 Internal Standard Area and RT Summary

PCB Form 1 Data Sheet for Samples and Blanks with raw data
PCB Form 2 Surrogate Recoveries
PCB Form 3 MS/MSD (LCS) Recoveries with raw data
PCB Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
PCB Form 6 Initial Calibration Data (equiv.) Response Factor Report with raw data
PCB Form 7 Continuing Calibration Check (equiv.) with raw data
PCB Form 8 RT Summary with raw data
PEST Form 1 Data Sheet for Samples and Blanks with raw data
PEST Form 2 Surrogate Recoveries
PEST Form 3 MS/MSD (LCS) Recoveries with raw data
PEST Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
PEST Form 6 Initial Calibration Data (equiv.) Response Factor Report with raw data
PEST Form 7 Continuing Calibration Check (equiv.) with raw data
PEST Form 8 RT Summary with raw data
TPH Form 1 Data Sheet for Samples and Blanks with raw data
TPH Form 2 Surrogate Recoveries
TPH Form 3 MS/MSD (LCS) Recoveries with raw data
TPH Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
TPH Form 6 Initial Calibration Data (equiv.) Response Factor Report with raw data
TPH Form 7 Continuing Calibration Check (equiv.) with raw data
Inorganic Results
Subcontracted Reports and Narratives
Chain of Custody (COC) Forms and Sample Data Receipt Checklist AEL

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations

Volatile Organic Compounds (VOCs) by EPA 8260B:
This narrative is specific to the list of target analytes requested by the client and reported on the Form 1 data pages. Non-target (NT) analyte deviations were not addressed. The following analytes were not reported below the quantitation limit in this report: Methylene chloride, Acetone, Methyl Iodide, Hexachlorobutadiene, and Naphthalene.

Due to method limitations the quantitation limits for Dibromochloromethane, Dichloromethane, 1,3-Dichloropropene, Methyl ethyl ketone, Methyl isobutyl ketone and 1,1,2,2-Tetrachloroethane may not meet regulatory standards for high level preserved solid samples.

The average Rf for Methyl ethyl ketone was 0.072 for the calibration curve V808100C. The initial calibration verification standard was in control for all analytes except Vinyl Acetate that had recovery of 76%.

The continuing calibration standard (file#C76536SC) had an average Rf of 0.071 for Methyl ethyl ketone. In addition Dichlorodifluoromethane had %D greater than 20%. The laboratory control samples (LS10150C,RR/LS101510CRR) were in control for all analytes.

Semi-Volatile Organic Compounds (SVOCs) by EPA 8270D:
This narrative is specific to target analytes reported on the Form 1 data pages. Non-target (NT) analyte deviations were not addressed.

The laboratory control sample (L100710AASE,RR) had recovery for Aniline and Carbazole outside the laboratory acceptance criteria but within MCP criteria. The laboratory control sample duplicate was within MCP criteria for all analytes. The MS/MSD analyzed on 67967-4 had low recovery for 2,4-Dintrophenol and high recoveries for Carbazole and 3,3-Dichlorobenzidine. These anlytes were in control in the laboratory control samples except as stated above.

PCBs by EPA Method 8082:
No QC Deviations.

Pesticides by EPA Method 8081A:
Sample 67967-1 had recovery for Decachlorbiphenyl (DCB) below laboratory acceptance criteria but above MCP Criteria on column#2. Results were reported without qualification.

The initial calibration (PT101510.M0 did not meet acceptance criteria for g-Chlordane on column#1. Column#2 was in control. No results for g-chlordane were detected on column#2 results were reported without qualification.

The laboratory control sample (L101310PAST) had recovery for b-BHC below the laboratory acceptance criteria on column#2. The laboratory control sample duplicate (LD101310PAST) was in control for all analytes. The MS/MSD analyzed on 67967-4 had several recoveries outside the laboratory acceptance criteria but within MCP criteria with the exception of g-chlordane on column#1.

The closing continuing calibration standards (File#'s L20099SC &L20101SC) and Performance Evaluation Mixture (PEM) (file#L20102) had low recoveries for Toxaphene, Heptachlor, 4,4-DDT and Methoxychlor and high recovery for g-Chlordane on column#1. Column #2 had low recoveries for Toxaphene, Heptachlor, 4,4-DDT, a-Chlordane and Methoxychlor. The PEM had high DDT breakdown. The analytical window was reanalyzed with similar results.

The reanalysis of the laboratory control samples (L101310PAST RR/LD101310PAST RR) had high recovery for g-Chlordane due to an interference. Endrin Ketone , b-BHC and a-Chlordane also had recoveries outside the laboratory acceptance criteria. The reanalysis of the MS/MSD on sample 67967-4 had several recoveries outside the laboratory acceptance criteria but within MCP criteria with the exception of g-chlordane on column#1.

The closing continuing calibration standards (File#'s L20120SC &L20121SC) and Performance Evaluation Mixture (PEM) (file#L20122) had low recoveries for Toxaphene, Heptachlor, g-Chlordane,Endrin, 4,4-DDT, Endrin Ketone and Methoxychlor on column#1. Column #2 had low recoveries for Toxaphene, Heptachlor, Endrin, 4,4-DDT, Endrin Ketone and Methoxychlor. The PEM had high Endrin and DDT breakdown. The analytical window was previously with similar results (see above).

TPH by EPA Method 8015B:
No results were reported below the laboratory quantitation limits.

If you have any questions or I can be of further assistance, please do not hesitate to contact me.

Sincerely
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

AEL_Documents:_TopLevelOldServer:A_Narratives:FWECRI/TTEC:WEYMOUTH:67967.doc .doc

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

Report Number: 67967

Revision: Rev. 0

Re: NAS SOWEY (Project No: 106-2282)

Enclosed are the results of the analyses on your sample(s). Samples were received on 06 October 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Sample Analysis: The attached pages detail the Client Sample IDs, Lab Sample IDs, and Analyses requested

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 10/20/2010

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

CLIENT: Tetra Tech EC, Inc. **REPORT NUMBER: 67967** **REV: Rev. 0**

PROJECT: NAS SOWEY (Project No: 106-2282)

Lab Number	Sample Date	Station Location	Analysis	Comments
67967-1	10/06/10	WC-B82-DC-01	Cyanide Reactivity	
	10/06/10	WC-B82-DC-01	EPA 1010 Flashpoint	
	10/06/10	WC-B82-DC-01	EPA 8015 - TPH	
	10/06/10	WC-B82-DC-01	EPA 8081 (Pesticides only)	
	10/06/10	WC-B82-DC-01	EPA 8082 (PCBs only)	
	10/06/10	WC-B82-DC-01	EPA 8260 Volatile Organics	
	10/06/10	WC-B82-DC-01	EPA 8270 Acid/Base Neutrals	
	10/06/10	WC-B82-DC-01	RCRA Metals	
	10/06/10	WC-B82-DC-01	Specific Conductance	
	10/06/10	WC-B82-DC-01	Sulfide Reactivity	
	10/06/10	WC-B82-DC-01	SW-846 9045 pH in Solid	
	10/06/10	WC-B82-DC-01	Total Organic Carbon in Solid Matrices	
67967-2	10/06/10	WC-B82-APN-01	Cyanide Reactivity	
	10/06/10	WC-B82-APN-01	EPA 1010 Flashpoint	
	10/06/10	WC-B82-APN-01	EPA 8015 - TPH	
	10/06/10	WC-B82-APN-01	EPA 8081 (Pesticides only)	
	10/06/10	WC-B82-APN-01	EPA 8082 (PCBs only)	
	10/06/10	WC-B82-APN-01	EPA 8260 Volatile Organics	
	10/06/10	WC-B82-APN-01	EPA 8270 Acid/Base Neutrals	
	10/06/10	WC-B82-APN-01	RCRA Metals	
	10/06/10	WC-B82-APN-01	Specific Conductance	
	10/06/10	WC-B82-APN-01	Sulfide Reactivity	
	10/06/10	WC-B82-APN-01	SW-846 9045 pH in Solid	
	10/06/10	WC-B82-APN-01	Total Organic Carbon in Solid Matrices	
67967-3	10/06/10	WC-B82-GTM-01	Cyanide Reactivity	
	10/06/10	WC-B82-GTM-01	EPA 1010 Flashpoint	
	10/06/10	WC-B82-GTM-01	EPA 8015 - TPH	
	10/06/10	WC-B82-GTM-01	EPA 8081 (Pesticides only)	
	10/06/10	WC-B82-GTM-01	EPA 8082 (PCBs only)	
	10/06/10	WC-B82-GTM-01	EPA 8260 Volatile Organics	
	10/06/10	WC-B82-GTM-01	EPA 8270 Acid/Base Neutrals	
	10/06/10	WC-B82-GTM-01	RCRA Metals	
	10/06/10	WC-B82-GTM-01	Specific Conductance	
	10/06/10	WC-B82-GTM-01	Sulfide Reactivity	
	10/06/10	WC-B82-GTM-01	SW-846 9045 pH in Solid	
	10/06/10	WC-B82-GTM-01	Total Organic Carbon in Solid Matrices	

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

CLIENT: Tetra Tech EC, Inc. **REPORT NUMBER: 67967** **REV: Rev. 0**

PROJECT: NAS SOWEY (Project No: 106-2282)

Lab Number	Sample Date	Station Location	Analysis	Comments
67967-4	10/06/10	WC-B82-GTM-02	Cyanide Reactivity	
	10/06/10	WC-B82-GTM-02	EPA 1010 Flashpoint	
	10/06/10	WC-B82-GTM-02	EPA 8015 - TPH	
	10/06/10	WC-B82-GTM-02	EPA 8081 (Pesticides only)	
	10/06/10	WC-B82-GTM-02	EPA 8082 (PCBs only)	
	10/06/10	WC-B82-GTM-02	EPA 8260 Volatile Organics	
	10/06/10	WC-B82-GTM-02	EPA 8270 Acid/Base Neutrals	
	10/06/10	WC-B82-GTM-02	RCRA Metals	
	10/06/10	WC-B82-GTM-02	Specific Conductance	
	10/06/10	WC-B82-GTM-02	Sulfide Reactivity	
	10/06/10	WC-B82-GTM-02	SW-846 9045 pH in Solid	
	10/06/10	WC-B82-GTM-02	Total Organic Carbon in Solid Matrices	
67967-5	10/06/10	Trip Blank	Electronic Data Deliverable	
	10/06/10	Trip Blank	EPA 8260 Volatile Organics	

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 67967

Project Location: NAS SOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

67967-1, 67967-2, 67967-3, 67967-4, 67967-5

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 26, 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 67967

Project Location: NAS SOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

67967-1, 67967-2, 67967-3, 67967-4, 67967-5

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☒	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 26, 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 67967

Project Location: NAS SOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

67967-1, 67967-2, 67967-3, 67967-4, 67967-5

Matrices: ☐ Groundwater/Surface Water ☐ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☒	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 26, 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 67967

Project Location: NAS SOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

67967-1, 67967-2, 67967-3, 67967-4, 67967-5

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☒	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☒ Yes ☐ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 26, 2010

Summary Report

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: MB10150C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	91	%	d8-Toluene	98	%	Bromofluorobenzen	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Percent Solid: 79
Dilution Factor: 161
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-DC-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	161	U	1,1,2-Trichloroethane	121	U
Chloromethane	161	U	1,3-Dichloropropane	161	U
Vinyl Chloride	161	U	Tetrachloroethene	161	U
Bromomethane	161	U	2-Hexanone	1610	U
Chloroethane	161	U	Dibromochloromethane	121	U
Trichlorofluoromethane	161	U	1,2-Dibromoethane	121	U
1,1-Dichloroethene	121	U	Chlorobenzene	161	U
Acetone	1610	U	1,1,1,2-Tetrachloroethane	161	U
Methyl iodide	161	U	Ethylbenzene	161	U
Carbon Disulfide	161	U	o-Xylene	161	U
Methylene Chloride	805	U	m,p-Xylene	161	U
trans-1,2-Dichloroethene	161	U	Styrene	161	U
Methyl-tert-butyl ether (MTBE)	121	U	Bromoform	121	U
1,1-Dichloroethane	161	U	Isopropylbenzene	161	U
Vinyl acetate	1210	U	1,1,2,2-Tetrachloroethane	121	U
Methyl ethyl ketone	1610	U	Bromobenzene	161	U
cis-1,2-Dichloroethene	161	U	1,2,3-Trichloropropane	161	U
2,2-Dichloropropane	161	U	n-Propylbenzene	161	U
Bromochloromethane	161	U	2-Chlorotoluene	161	U
Chloroform	121	U	1,3,5-Trimethylbenzene	161	U
1,1,1-Trichloroethane	161	U	4-Chlorotoluene	161	U
1,1-Dichloropropene	161	U	tert-butylbenzene	161	U
Carbon Tetrachloride	161	U	1,2,4-Trimethylbenzene	161	U
1,2-Dichloroethane	121	U	sec-butylbenzene	161	U
Benzene	161	U	p-isopropyltoluene	161	U
Trichloroethene	161	U	1,3-Dichlorobenzene	161	U
1,2-Dichloropropane	121	U	1,4-Dichlorobenzene	161	U
Dibromomethane	161	U	n-butylbenzene	161	U
Bromodichloromethane	121	U	1,2-Dichlorobenzene	161	U
cis-1,3-Dichloropropene	161	U	1,2-Dibromo-3-chloropropane	161	U
Methyl isobutyl ketone	1610	U	1,2,4-Trichlorobenzene	161	U
Toluene	161	U	Hexachlorobutadiene	161	U
trans-1,3-Dichloropropene	161	U	Naphthalene	161	U
			1,2,3-Trichlorobenzene	161	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105	%	d8-Toluene	115	%	Bromofluorobenzen	111	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 122
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-APN-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	122	U	1,1,2-Trichloroethane	92	U
Chloromethane	122	U	1,3-Dichloropropane	122	U
Vinyl Chloride	122	U	Tetrachloroethene	122	U
Bromomethane	122	U	2-Hexanone	1220	U
Chloroethane	122	U	Dibromochloromethane	92	U
Trichlorofluoromethane	122	U	1,2-Dibromoethane	92	U
1,1-Dichloroethene	92	U	Chlorobenzene	122	U
Acetone	1220	U	1,1,1,2-Tetrachloroethane	122	U
Methyl iodide	122	U	Ethylbenzene	122	U
Carbon Disulfide	122	U	o-Xylene	122	U
Methylene Chloride	612	U	m,p-Xylene	122	U
trans-1,2-Dichloroethene	122	U	Styrene	122	U
Methyl-tert-butyl ether (MTBE)	92	U	Bromoform	92	U
1,1-Dichloroethane	122	U	Isopropylbenzene	122	U
Vinyl acetate	918	U	1,1,2,2-Tetrachloroethane	92	U
Methyl ethyl ketone	1220	U	Bromobenzene	122	U
cis-1,2-Dichloroethene	122	U	1,2,3-Trichloropropane	122	U
2,2-Dichloropropane	122	U	n-Propylbenzene	122	U
Bromochloromethane	122	U	2-Chlorotoluene	122	U
Chloroform	92	U	1,3,5-Trimethylbenzene	122	U
1,1,1-Trichloroethane	122	U	4-Chlorotoluene	122	U
1,1-Dichloropropene	122	U	tert-butylbenzene	122	U
Carbon Tetrachloride	122	U	1,2,4-Trimethylbenzene	122	U
1,2-Dichloroethane	92	U	sec-butylbenzene	122	U
Benzene	122	U	p-isopropyltoluene	122	U
Trichloroethene	122	U	1,3-Dichlorobenzene	122	U
1,2-Dichloropropane	92	U	1,4-Dichlorobenzene	122	U
Dibromomethane	122	U	n-butylbenzene	122	U
Bromodichloromethane	92	U	1,2-Dichlorobenzene	122	U
cis-1,3-Dichloropropene	122	U	1,2-Dibromo-3-chloropropane	122	U
Methyl isobutyl ketone	1220	U	1,2,4-Trichlorobenzene	122	U
Toluene	122	U	Hexachlorobutadiene	122	U
trans-1,3-Dichloropropene	122	U	Naphthalene	122	U
			1,2,3-Trichlorobenzene	122	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	107 %	d8-Toluene	110 %	Bromofluorobenzen	111 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-3
Matrix: Solid
Percent Solid: 80
Dilution Factor: 146
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	146	U	1,1,2-Trichloroethane	110	U
Chloromethane	146	U	1,3-Dichloropropane	146	U
Vinyl Chloride	146	U	Tetrachloroethene	146	U
Bromomethane	146	U	2-Hexanone	1460	U
Chloroethane	146	U	Dibromochloromethane	110	U
Trichlorofluoromethane	146	U	1,2-Dibromoethane	110	U
1,1-Dichloroethene	110	U	Chlorobenzene	146	U
Acetone	1460	U	1,1,1,2-Tetrachloroethane	146	U
Methyl iodide	146	U	Ethylbenzene	146	U
Carbon Disulfide	146	U	o-Xylene	146	U
Methylene Chloride	732	U	m,p-Xylene	146	U
trans-1,2-Dichloroethene	146	U	Styrene	146	U
Methyl-tert-butyl ether (MTBE)	110	U	Bromoform	110	U
1,1-Dichloroethane	146	U	Isopropylbenzene	146	U
Vinyl acetate	1100	U	1,1,2,2-Tetrachloroethane	110	U
Methyl ethyl ketone	1460	U	Bromobenzene	146	U
cis-1,2-Dichloroethene	146	U	1,2,3-Trichloropropane	146	U
2,2-Dichloropropane	146	U	n-Propylbenzene	146	U
Bromochloromethane	146	U	2-Chlorotoluene	146	U
Chloroform	110	U	1,3,5-Trimethylbenzene	146	U
1,1,1-Trichloroethane	146	U	4-Chlorotoluene	146	U
1,1-Dichloropropene	146	U	tert-butylbenzene	146	U
Carbon Tetrachloride	146	U	1,2,4-Trimethylbenzene	146	U
1,2-Dichloroethane	110	U	sec-butylbenzene	146	U
Benzene	146	U	p-isopropyltoluene	146	U
Trichloroethene	146	U	1,3-Dichlorobenzene	146	U
1,2-Dichloropropane	110	U	1,4-Dichlorobenzene	146	U
Dibromomethane	146	U	n-butylbenzene	146	U
Bromodichloromethane	110	U	1,2-Dichlorobenzene	146	U
cis-1,3-Dichloropropene	146	U	1,2-Dibromo-3-chloropropane	146	U
Methyl isobutyl ketone	1460	U	1,2,4-Trichlorobenzene	146	U
Toluene	146	U	Hexachlorobutadiene	146	U
trans-1,3-Dichloropropene	146	U	Naphthalene	146	U
			1,2,3-Trichlorobenzene	146	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	99	%	d8-Toluene	108	%	Bromofluorobenzen	108	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-4
Matrix: Solid
Percent Solid: 91
Dilution Factor: 115
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	115	U	1,1,2-Trichloroethane	86	U
Chloromethane	115	U	1,3-Dichloropropane	115	U
Vinyl Chloride	115	U	Tetrachloroethene	115	U
Bromomethane	115	U	2-Hexanone	1150	U
Chloroethane	115	U	Dibromochloromethane	86	U
Trichlorofluoromethane	115	U	1,2-Dibromoethane	86	U
1,1-Dichloroethene	86	U	Chlorobenzene	115	U
Acetone	1150	U	1,1,1,2-Tetrachloroethane	115	U
Methyl iodide	115	U	Ethylbenzene	115	U
Carbon Disulfide	115	U	o-Xylene	115	U
Methylene Chloride	573	U	m,p-Xylene	115	U
trans-1,2-Dichloroethene	115	U	Styrene	115	U
Methyl-tert-butyl ether (MTBE)	86	U	Bromoform	86	U
1,1-Dichloroethane	115	U	Isopropylbenzene	115	U
Vinyl acetate	860	U	1,1,2,2-Tetrachloroethane	86	U
Methyl ethyl ketone	1150	U	Bromobenzene	115	U
cis-1,2-Dichloroethene	115	U	1,2,3-Trichloropropane	115	U
2,2-Dichloropropane	115	U	n-Propylbenzene	115	U
Bromochloromethane	115	U	2-Chlorotoluene	115	U
Chloroform	86	U	1,3,5-Trimethylbenzene	115	U
1,1,1-Trichloroethane	115	U	4-Chlorotoluene	115	U
1,1-Dichloropropene	115	U	tert-butylbenzene	115	U
Carbon Tetrachloride	115	U	1,2,4-Trimethylbenzene	115	U
1,2-Dichloroethane	86	U	sec-butylbenzene	115	U
Benzene	115	U	p-isopropyltoluene	115	U
Trichloroethene	115	U	1,3-Dichlorobenzene	115	U
1,2-Dichloropropane	86	U	1,4-Dichlorobenzene	115	U
Dibromomethane	115	U	n-butylbenzene	115	U
Bromodichloromethane	86	U	1,2-Dichlorobenzene	115	U
cis-1,3-Dichloropropene	115	U	1,2-Dibromo-3-chloropropane	115	U
Methyl isobutyl ketone	1150	U	1,2,4-Trichlorobenzene	115	U
Toluene	115	U	Hexachlorobutadiene	115	U
trans-1,3-Dichloropropene	115	U	Naphthalene	115	U
			1,2,3-Trichlorobenzene	115	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93	%	d8-Toluene	102	%	Bromofluorobenzen	102	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-5
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	106	%	d8-Toluene	112	%	Bromofluorobenzen	115	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): N

SDG: 67967

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	95		101		100	
LS10150C,RR	95		100		102	
LS10150C2,RR	88		100		99	
MB10150C	91		98		97	
67967-5	106		112		115	
67967-1	105		115		111	
67967-2	107		110		111	
67967-3	99		108		108	
67967-4	93		102		102	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 67967
Non-spiked sample: MB10150C
Spike: LS10150C,RR
Spike duplicate: LS10150C2,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	2000	2000	49	82	25	0	1585	79		1552	78		2	
Chloromethane	2000	2000	75	125	25	0	1778	89		1643	82		8	
Vinyl Chloride	2000	2000	75	125	25	0	1667	83		1701	85		2	
Bromomethane	2000	2000	75	125	25	0	2162	108		2218	111		3	
Chloroethane	2000	2000	75	125	25	0	1969	98		1844	92		7	
t-Butyl alcohol (TBA)	10000	10000	60	140	25	0	8694	87		7543	75		14	
Trichlorofluoromethane	2000	2000	75	125	25	0	1691	85		1679	84		1	
Diethyl ether	2000	2000	75	125	25	0	2141	107		2074	104		3	
1,1,2-Trichlorotrifluoroethane	2000	2000	75	125	25	0	1955	98		1885	94		4	
Acetone	5000	5000	75	125	25	0	6153	123		5911	118		4	
1,1-Dichloroethene	2000	2000	75	125	25	0	1971	99		1945	97		1	
Methyl iodide	2000	2000	75	125	25	0	2089	104		2263	113		8	
Di-isopropyl ether (DIPE)	2000	2000	75	125	25	0	1931	97		1899	95		2	
Methylene Chloride	2000	2000	75	125	25	0	1977	99		1943	97		2	
Carbon Disulfide	2000	2000	75	125	25	0	2069	103		2045	102		1	
Acrylonitrile	2000	2000	75	125	25	0	1994	100		1764	88		12	
Methyl-tert-butyl ether (MTBE)	2000	2000	75	125	25	0	1963	98		1977	99		1	
trans-1,2-Dichloroethene	2000	2000	75	125	25	0	1910	96		1863	93		2	
1,1-Dichloroethane	2000	2000	75	125	25	0	1990	99		1928	96		3	
Methyl ethyl ketone	5000	5000	60	140	25	0	5047	101		4044	81		22	
Ethyl t-butyl ether (ETBE)	2000	2000	75	125	25	0	1950	97		1906	95		2	
2,2-Dichloropropane	2000	2000	75	125	25	0	1865	93		1782	89		5	
cis-1,2-Dichloroethene	2000	2000	75	125	25	0	1911	96		1844	92		4	
t-Amyl methyl ether (TAME)	2000	2000	75	125	25	0	1887	94		1835	92		3	
Chloroform	2000	2000	75	125	25	0	1854	93		1790	90		3	
Bromochloromethane	2000	2000	75	125	25	0	1979	99		1964	98		1	
Tetrahydrofuran	2000	2000	60	140	25	0	1831	92		1696	85		8	
1,1,1-Trichloroethane	2000	2000	75	125	25	0	1841	92		1791	90		3	
1,1-Dichloropropene	2000	2000	75	125	25	0	1897	95		1921	96		1	
Carbon Tetrachloride	2000	2000	75	125	25	0	1983	99		1938	97		2	
1,2-Dichloroethane	2000	2000	75	125	25	0	1895	95		1849	92		2	
Benzene	2000	2000	75	125	25	0	1913	96		1904	95		0	
Trichloroethene	2000	2000	75	125	25	0	1949	97		2001	100		3	
1,2-Dichloropropane	2000	2000	75	125	25	0	1923	96		1914	96		0	
Methylmethacrylate	2000	2000	75	125	25	0	1691	85		1613	81		5	
Bromodichloromethane	2000	2000	75	125	25	0	1772	89		1781	89		1	
Dibromomethane	2000	2000	75	125	25	0	1918	96		1913	96		0	
2-Hexanone	5000	5000	75	125	25	0	4483	90		3954	79		13	
Methyl isobutyl ketone	5000	5000	75	125	25	0	4521	90		4189	84		8	
cis-1,3-Dichloropropene	2000	2000	75	125	25	0	1913	96		1906	95		0	
Toluene	2000	2000	75	125	25	0	1870	94		1881	94		1	
trans-1,3-Dichloropropene	2000	2000	75	125	25	0	1844	92		1833	92		1	
1,1,2-Trichloroethane	2000	2000	75	125	25	0	1943	97		1909	95		2	
1,3-Dichloropropane	2000	2000	75	125	25	0	1772	89		1764	88		0	
Tetrachloroethene	2000	2000	75	125	25	0	1625	81		1651	83		2	
Dibromochloromethane	2000	2000	75	125	25	0	1743	87		1754	88		1	
1,2-Dibromoethane	2000	2000	75	125	25	0	1764	88		1736	87		2	
Chlorobenzene	2000	2000	75	125	25	0	1817	91		1843	92		1	
1,1,1,2-Tetrachloroethane	2000	2000	75	125	25	0	1843	92		1858	93		1	
Ethylbenzene	2000	2000	75	125	25	0	1784	89		1806	90		1	
m,p-Xylene	4000	4000	75	125	25	0	3578	89		3615	90		1	
o-Xylene	2000	2000	75	125	25	0	1773	89		1831	92		3	
Styrene	2000	2000	75	125	25	0	1813	91		1841	92		2	

VOA FORM 3

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 67967
Non-spiked sample: MB10150C
Spike: LS10150C,RR
Spike duplicate: LS10150C2,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Bromoform	2000	2000	75	125	25	0	1661	83		1659	83		0	
Isopropylbenzene	2000	2000	75	125	25	0	1810	90		1809	90		0	
1,1,2,2-Tetrachloroethane	2000	2000	75	125	25	0	1696	85		1601	80		6	
1,2,3-Trichloropropane	2000	2000	75	125	25	0	1878	94		1755	88		7	
trans-1,4-Dichloro-2-butene	2000	2000	75	125	25	0	1900	95		1853	93		3	
n-Propylbenzene	2000	2000	75	125	25	0	1781	89		1784	89		0	
Bromobenzene	2000	2000	75	125	25	0	1845	92		1807	90		2	
1,3,5-Trimethylbenzene	2000	2000	75	125	25	0	1810	91		1805	90		0	
2-Chlorotoluene	2000	2000	75	125	25	0	1857	93		1843	92		1	
4-Chlorotoluene	2000	2000	75	125	25	0	1788	89		1817	91		2	
tert-butylbenzene	2000	2000	75	125	25	0	1749	87		1805	90		3	
1,2,4-Trimethylbenzene	2000	2000	75	125	25	0	1756	88		1724	86		2	
sec-butylbenzene	2000	2000	75	125	25	0	1793	90		1784	89		1	
p-isopropyltoluene	2000	2000	75	125	25	0	1751	88		1748	87		0	
1,3-Dichlorobenzene	2000	2000	75	125	25	0	1752	88		1750	88		0	
1,4-Dichlorobenzene	2000	2000	75	125	25	0	1785	89		1783	89		0	
n-butylbenzene	2000	2000	75	125	25	0	1821	91		1815	91		0	
1,2-Dichlorobenzene	2000	2000	75	125	25	0	1826	91		1822	91		0	
1,2-Dibromo-3-chloropropane	2000	2000	75	125	25	0	1756	88		1484	74	*	17	
1,2,4-Trichlorobenzene	2000	2000	75	125	25	0	1758	88		1781	89		1	
Hexachlorobutadiene	2000	2000	75	125	25	0	1774	89		1747	87		2	
Naphthalene	2000	2000	75	125	25	0	1763	88		1675	84		5	
1,2,3-Trichlorobenzene	2000	2000	75	125	25	0	1739	87		1769	88		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOA FORM 3

analytics environmental laboratory LLC

IS only V8970 Exp: x 8-11-10

SS+IS V8931 Exp: x 8-11-10

Voltage: 2094

Threshold: 100

GC/MS Volatiles Instrument C: 081010-C

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		w-c-081010-1-JK							
4	V8081DOC	BFB 50 Ng	5mL	2mL	V8951	✓	C75996T	JK	NA
5		0.2 PPB		0.05mL	V8953 V8941	✓	9751		
6		0.5 PPB		0.125mL		✓	9851		
7		1.0 PPB		0.25mL		✓	9951		
9		2.0 PPB		0.5mL		✓	C76000081		
10		5.0 PPB		1.25mL		✓	0151		
11		20.0 PPB		5mL		✓	0251		
12		50.0 PPB		12.5mL		✓	0351		
13		100.0 PPB		25mL		✓	0451		
14		Blank					0551		
15		20 PPB ICV		5mL	V8954 V8944	✓	0660		
16		20 PPB ICV		5mL		✓	0780		

JK 09.11.10

Analytics environmental laboratory LLC

IS only V9088 Exp: 10/27/10

SS+IS V9089 Exp: 10/27/10

101510C

Voltage: 2094

Threshold: 160

GC/MS Volatiles Instrument C:

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-C-101510-1-TD					C		
1	V8081001C	BFB 50ng	5ml	2ml	V9084	✓	C765345	TD	NA
2		20.0		5ml 5ml	V9090 V9092	dcetm, 1,1,2,2-TCE+5 methylfadiole, allbu	35		
3		20.0				✓ dichlorodifluoro-methane/ethylmethylketone	36		
4		LS10150C	50ml		V9091 V9096 V9082	✓	37		
5		LS10150C2	50ml			✓	38		
6		LS10150C, RR	50ml			✓	39		
7		LS10150C2, RR	50ml			✓	40		
8		Bromoform	5ml	5ml	V9085	✓	41		
10		MB10150C	50ml			✓	42		
11		67967-5	50ml			✓	43		
12		68000-4	50			✓	44		
13		67967-1	50			✓	45		
14		-2	50			✓	46		
15		-3	50			✓	47		
16		-4	50			✓	48		
1		68000-1	~~5ml~~ 5ml			✓	49		
2		67958-1	5			✓	50		<2
3		67959-1	5			✓	51		<2
4		67960-1	5			✓ SUTB RR10X	52		<2
5		67995-1, 5X	1ml			RR 5ml	53		<2
6		67995-2	5ml			✓	54		<2
7		67996-1, 100X	50ml			✓	55		<2
8		68018-1	50ml			Out of 12hr window	56		<2
10		68018-1, MS	50ml				57		<2
11		68018-1, MSD	50ml				58		<2

MT 10/16/10

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1 12/16/09

[24]

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG: 67967
BFB File ID: C75996T.D
BFB Injection Date: 08/10/10
BFB Injection Time: 11:05

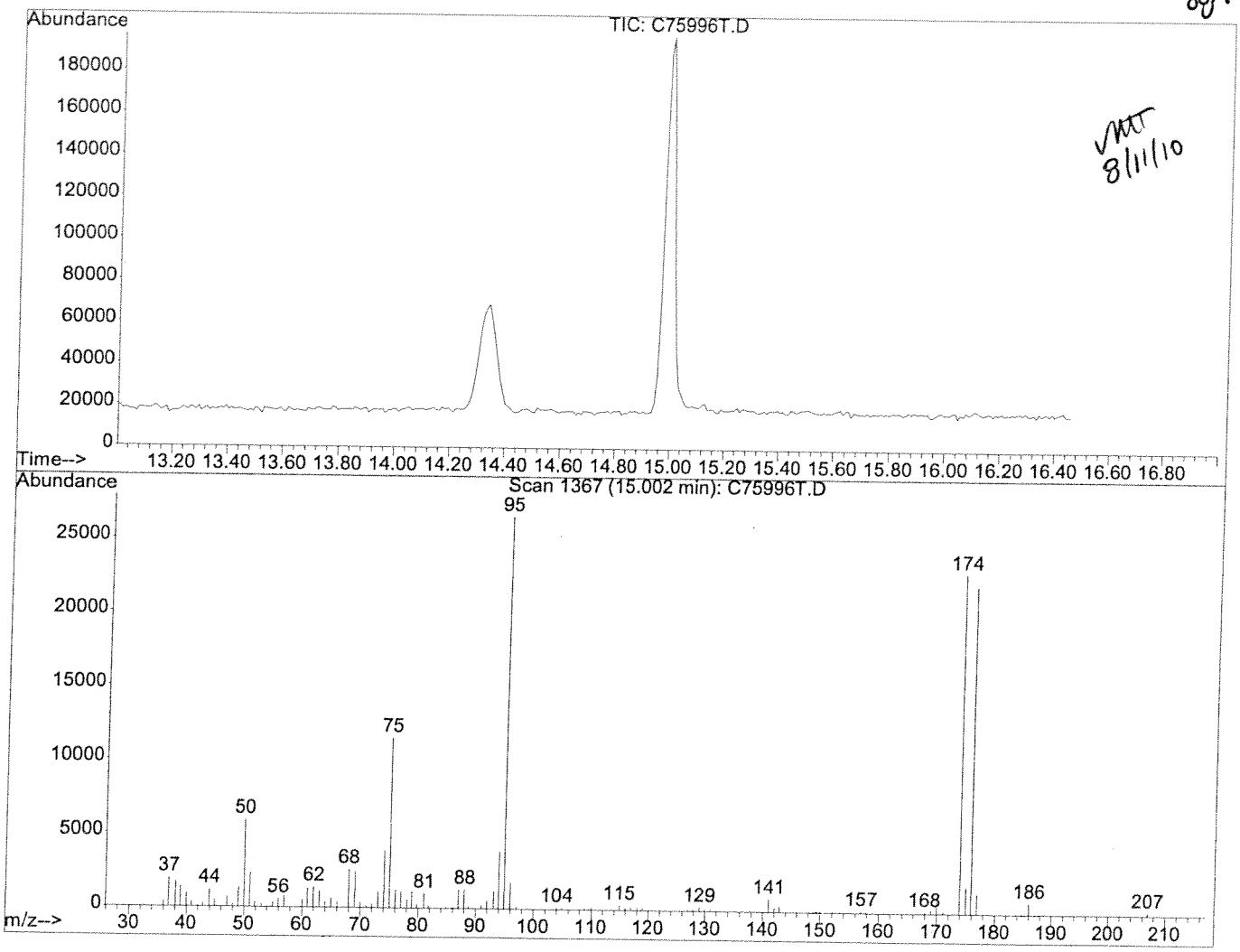
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
0.2 PPB	C75997SI.D	8/10/10	11:40
0.5 PPB	C75998SI.D	8/10/10	12:13
1.0 PPB	C75999SI.D	8/10/10	12:55
2.0 PPB	C76000SI.D	8/10/10	13:29
5.0 PPB	C76001SI.D	8/10/10	14:07
20.0 PPB	C76002SI.D	8/10/10	14:39
50.0 PPB	C76003SI.D	8/10/10	15:08
100.0 PPB	C76004SI.D	8/10/10	15:14
20 PPB ICV	C76006CC.D	8/10/10	16:35
20 PPB ICV2	C76007CC.D	8/10/10	17:08

Refer to the BFB report C75996T.D for ion ratio evaluation.

VOA FORM 5

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75996T.D Vial: 4
Acq On : 10 Aug 2010 11:05 am Operator: JK
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrato
Title : 8260 Purgable Organics

JL 08/10/10



VMT 8/11/10

Spectrum Information: Scan 1367

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	5911	PASS
75	95	30	60	43.3	11499	PASS
95	95	100	100	100.0	26584	PASS
96	95	5	9	6.8	1798	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.4	22960	PASS
175	174	5	9	7.9	1821	PASS
176	174	95	101	96.2	22096	PASS
177	176	5	9	5.9	1310	PASS

C75996T.D V808100C.M Tue Aug 10 11:07:26 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG: 67967
BFB File ID: C76534T.D
BFB Injection Date: 10/15/10
BFB Injection Time: 11:11

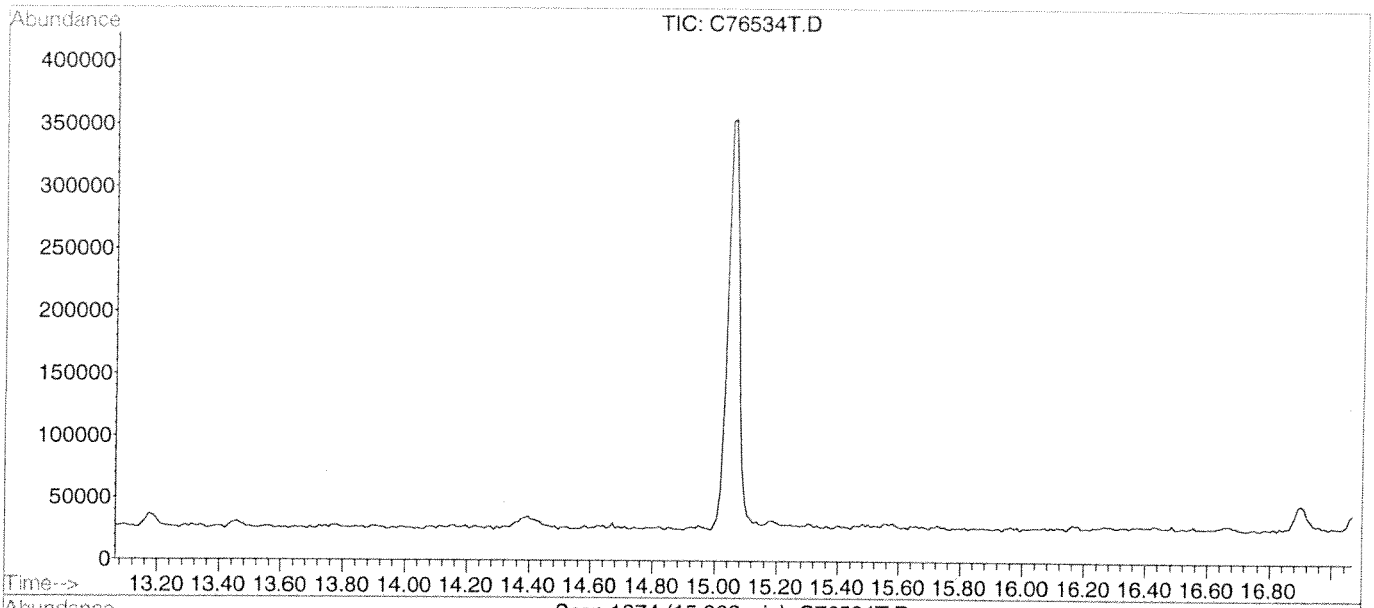
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
20 PPB	C76536SC.D	10/15/10	12:03
LS10150C,RR	C76539Q.D	10/15/10	14:25
LS10150C2,RR	C76540Q.D	10/15/10	14:41
MB10150C	C76542.D	10/15/10	15:43
67967-5	C76543.D	10/15/10	16:16
67967-1	C76545.D	10/15/10	17:24
67967-2	C76546.D	10/15/10	18:00
67967-3	C76547.D	10/15/10	18:44
67967-4	C76548.D	10/15/10	19:21

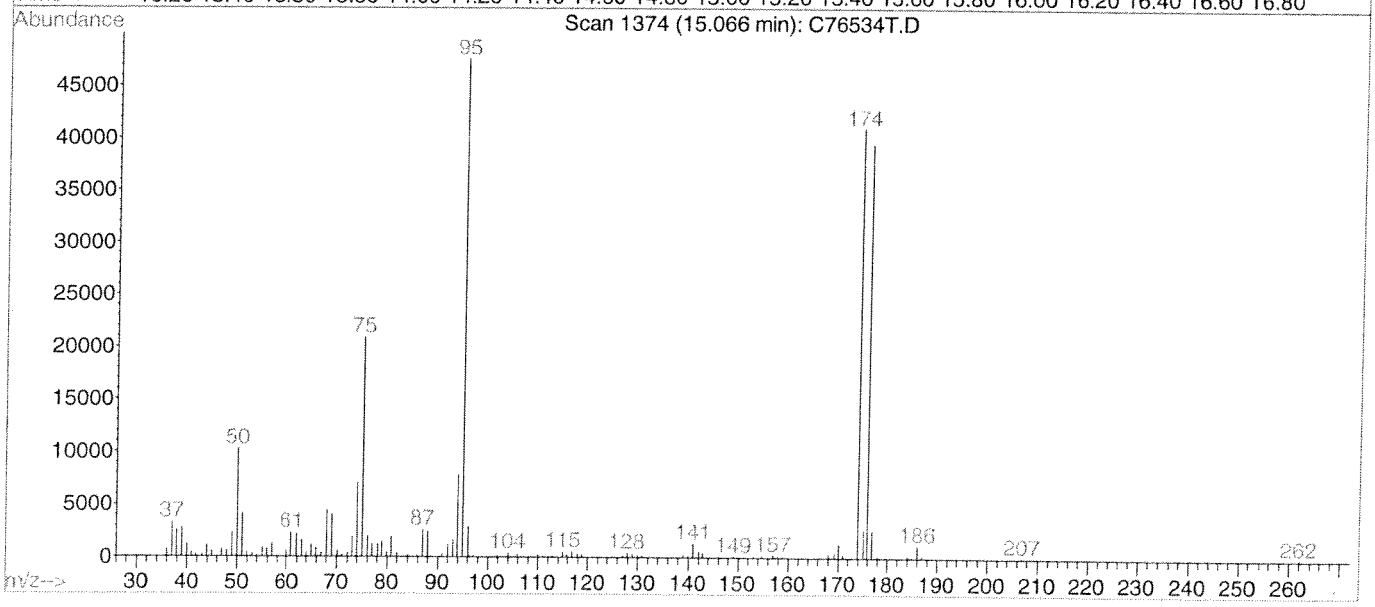
Refer to the BFB report C76534T.D for ion ratio evaluation.

VOA FORM 5

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76534T.D Vial: 1
Acq On : 15 Oct 2010 11:11 am Operator: MT
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics

10/18/10





Spectrum Information: Scan 1374

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	10237	PASS
75	95	30	60	43.9	20856	PASS
95	95	100	100	100.0	47552	PASS
96	95	5	9	6.0	2860	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.1	40960	PASS
175	174	5	9	6.4	2640	PASS
176	174	95	101	96.3	39456	PASS
177	176	5	9	6.4	2525	PASS

VKT 10/18/10

C76534T.D V808100C.M Sat Oct 16 12:59:10 2010

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integra
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------	----------	----------	ISTD	----------	----------	----------	
2)	TM	Dichlorodifluoromet	0.928	0.735	0.729	0.730	0.722	0.700	0.757	11.16
3)	TMP	Chloromethane	1.420	0.977	1.073	0.990	1.014		1.195	24.77
4)	TMC	Vinyl Chloride	0.952	0.752	0.756	0.722	0.732	0.681	0.766	12.41
5)	TM	Bromomethane	0.626	0.365	0.424	0.580	0.638	0.637	0.522	23.92
6)	TM	Chloroethane	0.624	0.575	0.585	0.553	0.579	0.561	0.579	4.27
7)	TM	t-Butyl alcohol (TB	0.090	0.073	0.072	0.062	0.071	0.065	0.072#	13.43
8)	TM	Trichlorofluorometh	1.247	1.042	1.129	1.166	1.156	1.124	1.175	8.75
9)	TM	Diethyl ether	0.318	0.309	0.277	0.356	0.331	0.328	0.315	8.53
10)	TM	1,1,2-Trichlorotrif	0.666	0.667	0.591	0.639	0.604	0.602	0.650	10.07
11)	T	Acrolein	0.071	0.052	0.032	0.042	0.043	0.042	0.047#	28.02
12)	TM	Acetone	0.369	0.311	0.267	0.269	0.258	0.251	0.315	26.71
13)	TMC	1,1-Dichloroethene	0.696	0.665	0.538	0.592	0.569	0.566	0.604	10.31
14)	TM	Methyl iodide	0.428	0.420	0.389	0.626	0.545		0.481	20.83
15)	TM	Di-isopropyl ether	3.354	2.840	2.528	2.879	2.759	2.818	2.967	12.50
16)	TM	Methylene Chloride	1.157	1.081	0.691	0.694	0.680	0.672	0.829	27.25
[illegible])	TM	Carbon Disulfide	2.164	2.129	1.859	2.117	1.984	2.011	2.044	5.62
18)	TM	Acrylonitrile	0.299	0.337	0.322	0.329	0.330	0.318	0.323	4.13
19)	TM	Methyl-tert-butyl e	1.140	1.170	1.443	1.527	1.545	1.493	1.398	12.12
20)	TM	trans-1,2-Dichloroe	1.220	1.085	0.892	1.015	0.978	0.965	1.029	10.17
21)	TMP	1,1-Dichloroethane	1.675	1.298	1.132	1.236	1.194	1.177	1.344	17.78
22)	TM	Vinyl acetate	1.297	0.991	1.038	1.314	1.399	1.394	1.252	13.33
23)	TM	Methyl ethyl ketone	0.079	0.063	0.065	0.071	0.069	0.066	0.072#	12.46
24)	TM	Ethyl t-butyl ether	2.426	2.109	1.861	2.152	2.081	2.105	2.176	10.04
25)	TM	2,2-Dichloropropane	0.922	0.657	0.695	0.749	0.765	0.773	0.775	11.88
26)	TM	cis-1,2-Dichloroeth	0.867	0.780	0.639	0.747	0.701	0.691	0.737	10.82
27)	TM	t-Amyl methyl ether	1.938	1.816	1.523	1.710	1.652	1.674	1.789	12.65
28)	S	DB Holder #28	0.779	0.742	0.764	0.795	0.763	0.725	0.760	2.84
29)	TMC	Chloroform	1.409	1.213	1.043	1.185	1.120	1.113	1.211	11.69
30)	TM	Bromochloromethane	0.589	0.377	0.325	0.331	0.313	0.309	0.396	29.04
31)	TM	Tetrahydrofuran	0.123	0.136	0.115	0.085	0.082	0.078	0.103	23.91
32)	TM	1,1,1-Trichloroetha	1.085	0.903	0.843	0.968	0.922	0.898	0.945	8.37
33)	T	Ethanol	0.016	0.012	0.012	0.013	0.012	0.012	0.013#	12.33
34)	TM	1,1-Dichloropropene	1.154	1.000	0.820	0.928	0.902	0.878	0.947	12.42
35)	TM	Carbon Tetrachlorid	0.549	0.545	0.485	0.603	0.618	0.620	0.563	9.16
36)	S	d4-1,2-Dichloroetha	0.780	0.746	0.764	0.795	0.763	0.725	0.760	2.83
37)	TM	1,2-Dichloroethane	1.005	0.871	0.892	0.925	0.885	0.859	0.906	5.87
38)	TM	Benzene	2.793	2.402	2.144	2.379	2.276	2.309	2.460	11.57
39)	I	1,4-Difluorobenzene	----------	----------	----------	ISTD	----------	----------	----------	
40)	TM	Trichloroethene	0.566	0.424	0.357	0.385	0.346	0.340	0.432	25.45
[illegible])	TMC	1,2-Dichloropropane	0.417	0.351	0.317	0.345	0.340	0.324	0.349	10.21
[illegible])	TM	Methylmethacrylate	0.272	0.295	0.240	0.243	0.235	0.230	0.252	10.13

(#) = Out of Range ### Number of calibration levels exceeded format ###
V808100C.M Tue Aug 10 16:11:54 2010 Page 1

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

JL 08.1

		Compound	1	2	5	20	50	100	Avg	%RSD
43)	T	Methyl acetate	0.794	0.560	0.412	0.488	0.462	0.445	0.527	~~26.59~~ L
44)	T	Cyclohexane	0.651	0.617	0.537	0.578	0.533	0.514	0.572	9.35
45)	TM	Bromodichloromethan	0.449	0.422	0.360	0.419	0.401	0.389	0.407	7.50
46)	TM	Dibromomethane	0.366	0.303	0.246	0.252	0.229	0.206	0.267	~~21.78~~ L
47)	TM	1,4-Dioxane	0.005	0.005	0.004	0.004	0.004	0.004	0.004#	5.02
48)	T	Methylcyclohexane	0.587	0.535	0.471	0.517	0.489	0.496	0.516	8.01
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl	0.222	0.193	0.175	0.187	0.210	0.168	0.198	11.31
51)	TM	2-Hexanone	0.157	0.139	0.130	0.143	0.138	0.133	0.145	10.31
52)	TM	Methyl isobutyl ket	0.174	0.147	0.137	0.151	0.142	0.138	0.148	9.40
53)	TM	cis-1,3-Dichloropro	0.603	0.562	0.474	0.555	0.532	0.498	0.537	8.61
54)	S	d8-Toluene	1.092	1.104	1.098	1.111	1.101	1.087	1.103	0.96
55)	TMC	Toluene	0.887	0.822	0.684	0.778	0.737	0.727	0.773	9.48 ✓
56)	TM	trans-1,3-Dichlorop	0.568	0.510	0.440	0.517	0.498	0.499	0.505	8.12
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.269	0.261	0.221	0.261	0.247	0.242	0.250	7.00
59)	TM	1,3-Dichloropropane	0.662	0.563	0.457	0.529	0.497	0.492	0.544	13.18
[illegible])	TM	Tetrachloroethene	0.384	0.371	0.386	0.352	0.332	0.332	0.369	9.27
61)	TM	Dibromochloromethan	0.357	0.355	0.301	0.366	0.361	0.353	0.372	12.91
62)	TM	1,2-Dibromoethane	0.384	0.364	0.318	0.377	0.364	0.352	0.385	13.15
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	1.140	1.044	0.907	1.002	0.947	0.966	1.040 ✓	12.30
65)	TM	1,1,1,2-Tetrachloro	0.394	0.347	0.323	0.354	0.337	0.344	0.360	9.50
66)	TMC	Ethylbenzene	1.790	1.638	1.435	1.568	1.480	1.489	1.627	12.30 ✓
67)	TM	m,p-Xylene	0.730	0.662	0.577	0.641	0.602	0.602	0.664	13.48
68)	TM	o-Xylene	0.702	0.659	0.573	0.636	0.583	0.584	0.641	10.36
69)	TM	Styrene	1.202	1.082	0.999	1.096	1.042	1.039	1.121	11.98
70)	TMP	Bromoform	0.170	0.192	0.188	0.246	0.250	0.257	0.212 ✓	~~17.56~~ L
71)	TM	Isopropylbenzene	1.764	1.726	1.487	1.630	1.528	1.521	1.669	11.39
72)	TMP	1,1,2,2-Tetrachloro	0.525	0.500	0.431	0.482	0.455	0.435	0.494 ✓	13.76
73)	S	Bromofluorobenzene	0.471	0.478	0.477	0.477	0.463	0.459	0.471	1.59
74)	TM	1,2,3-Trichloroprop	0.481	0.382	0.332	0.360	0.338	0.326	0.370	~~15.71~~ L
75)	TM	trans-1,4-Dichloro-	0.140	0.133	0.109	0.134	0.126	0.124	0.128	8.43
76)	TM	n-Propylbenzene	2.153	2.020	1.731	1.905	1.782	1.750	1.963	12.59
77)	TM	Bromobenzene	0.416	0.364	0.342	0.371	0.351	0.348	0.375	9.76
78)	TM	1,3,5-Trimethylbenz	1.505	1.385	1.204	1.306	1.221	1.213	1.306	9.21
79)	TM	2-Chlorotoluene	1.336	1.229	1.111	1.210	1.146	1.127	1.193	7.04
80)	TM	4-Chlorotoluene	1.288	1.131	0.994	1.120	1.038	1.038	1.128	10.52
81)	TM	tert-butylbenzene	1.302	1.198	1.016	1.145	1.043	1.020	1.158	12.52
82)	TM	1,2,4-Trimethylbenz	1.604	1.417	1.252	1.375	1.265	1.250	1.399	11.63
83)	T	Diisobutylketone	1.098	1.027	0.883	0.962	0.908	0.863	0.990	12.24
[illegible])	TM	sec-butylbenzene	2.024	1.892	1.655	1.808	1.684	1.652	1.848	11.63
[illegible])	TM	p-isopropyltoluene	1.663	1.477	1.281	1.444	1.341	1.319	1.479	13.56

VMT 8/11/10

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

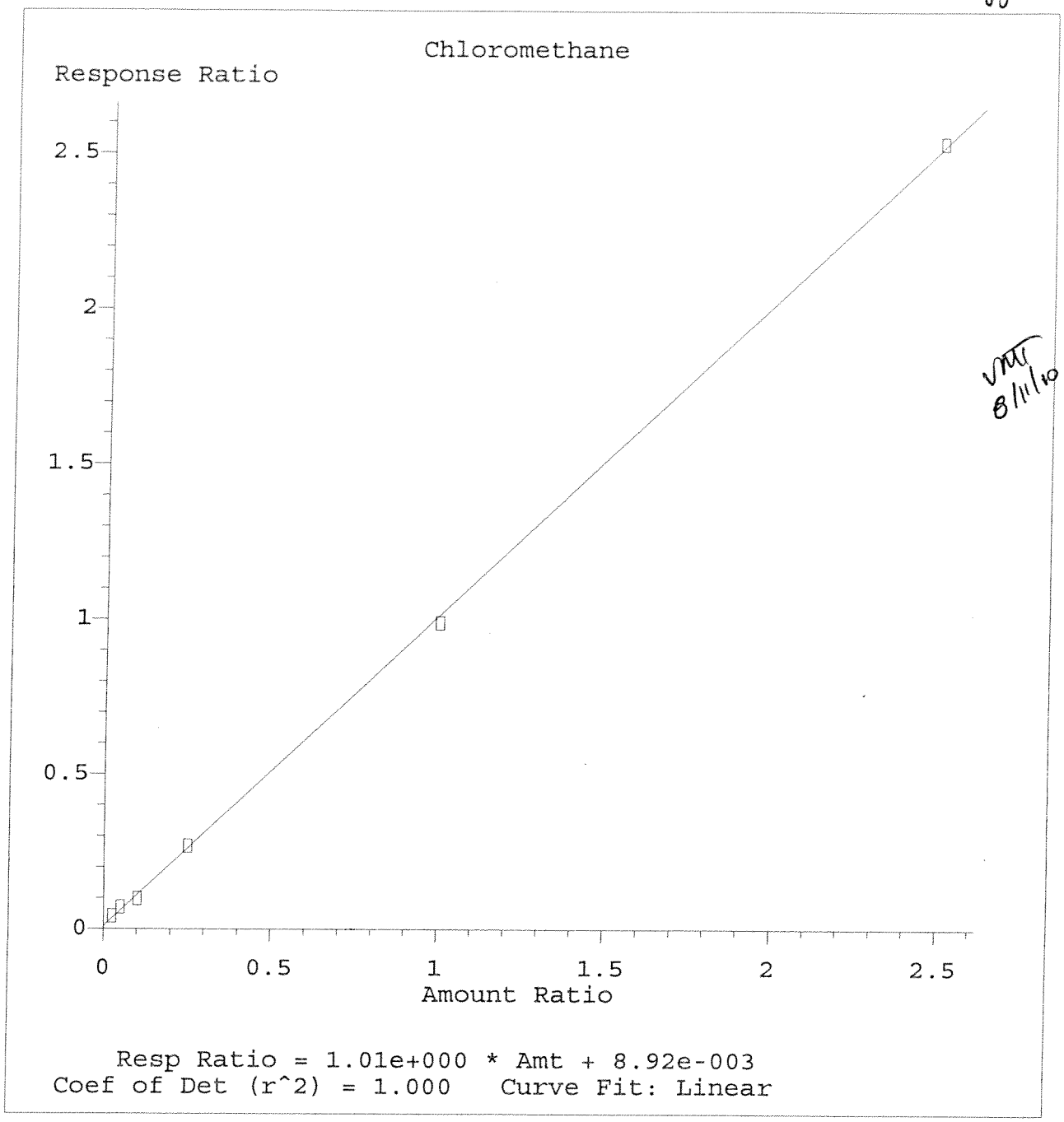
09/11/10

		Compound	1	2	5	20	50	100	Avg	%RSD
86)	TM	1,3-Dichlorobenzene	0.754	0.731	0.599	0.660	0.627	0.611	0.683	11.50
87)	I	1,4-Dichlorobenzene-d	----------	----------	----------	ISTD	----------	----------		
88)	TM	1,4-Dichlorobenzene	1.742	1.632	1.405	1.578	1.461	1.489	1.607	11.63
89)	TM	n-butylbenzene	3.415	3.118	2.755	3.100	2.864	2.925	3.130	10.95
90)	TM	1,2-Dichlorobenzene	1.596	1.500	1.275	1.447	1.331	1.334	1.444	9.44
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.305	0.237	0.198	0.186	0.182	0.177	0.214	~~22.98~~
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	1.187	1.128	1.000	1.130	1.008	0.971	1.102	10.41
95)	TM	Hexachlorobutadiene	0.626	0.574	0.469	0.547	0.489	0.489	0.547	12.35
96)	TM	Naphthalene	2.965	2.783	2.498	2.806	2.606	2.388	2.674	8.04
97)	TM	1,2,3-Trichlorobenz	1.120	0.980	0.874	1.005	0.921	0.842	0.977	10.84
98)	TM	1,3,5-Trichlorobenz	1.182	1.259	1.035	1.183	1.053	1.055	1.168	11.65

VMT 8/11/10

(#) = Out of Range ### Number of calibration levels exceeded format ###
V808100C.M Tue Aug 10 16:11:54 2010 Page 3

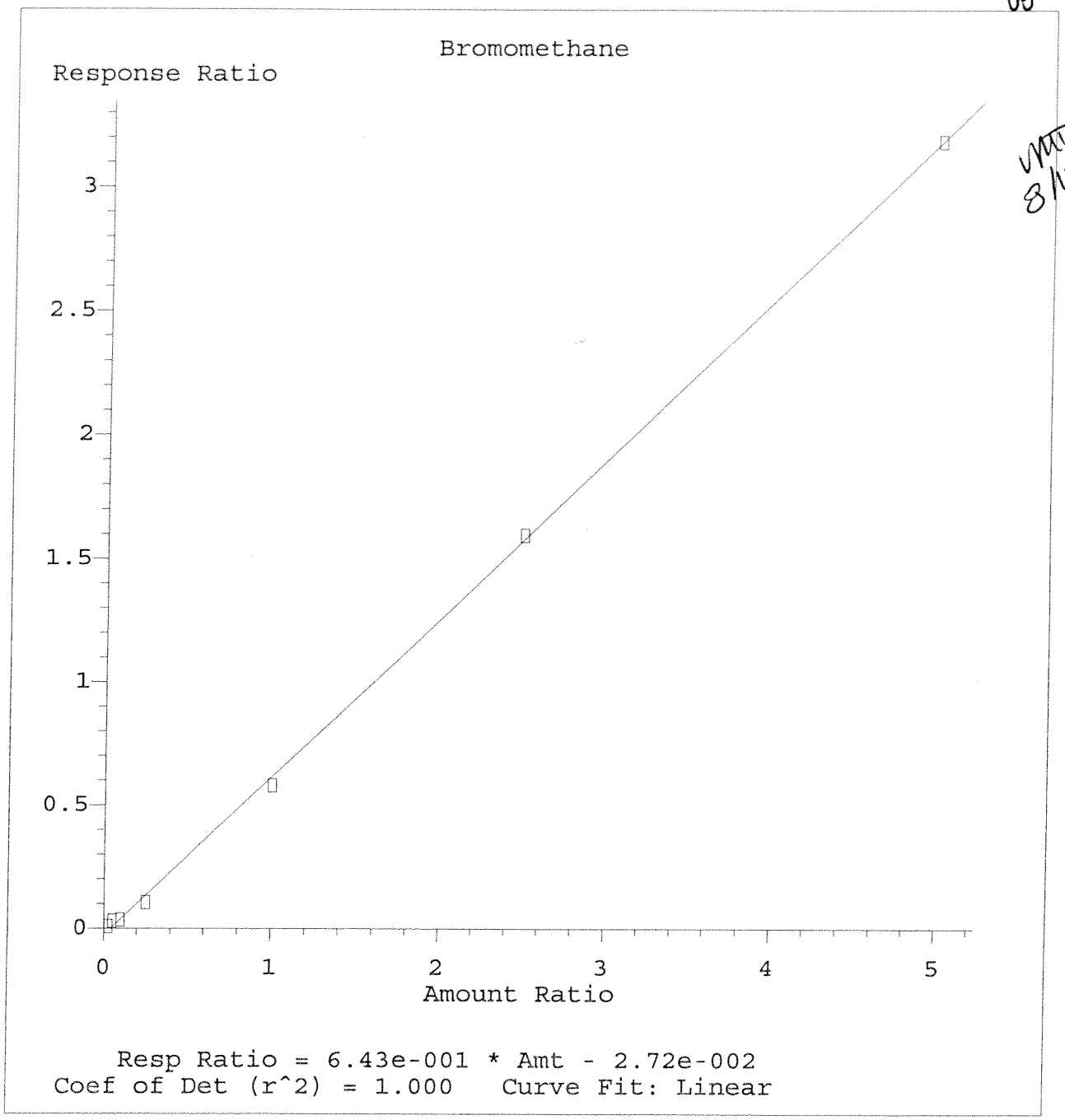
JL
03-11-10



VMT
8/11/10

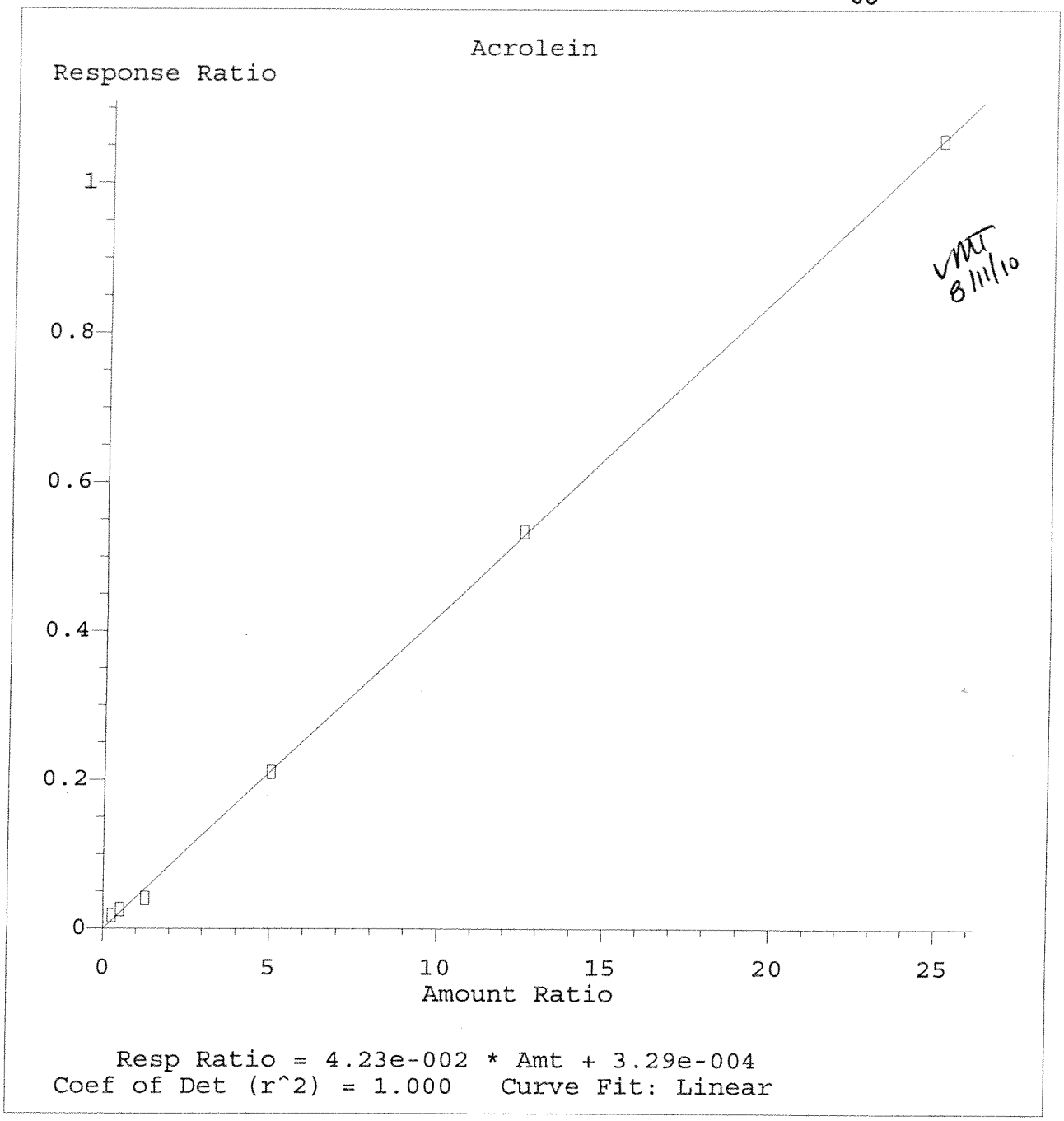
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:07 2010

JL 08-11-10



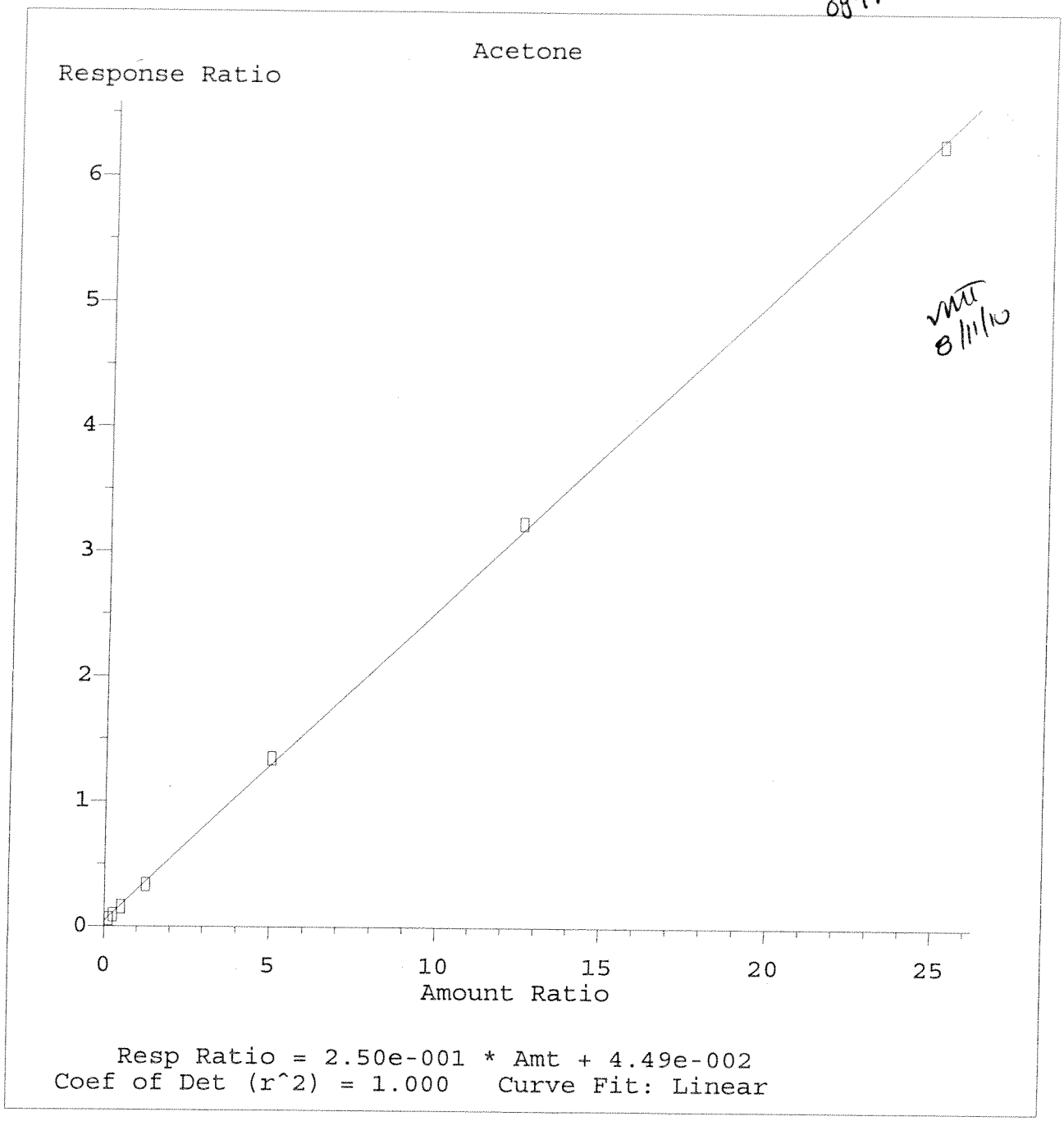
VMT 8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:59 2010



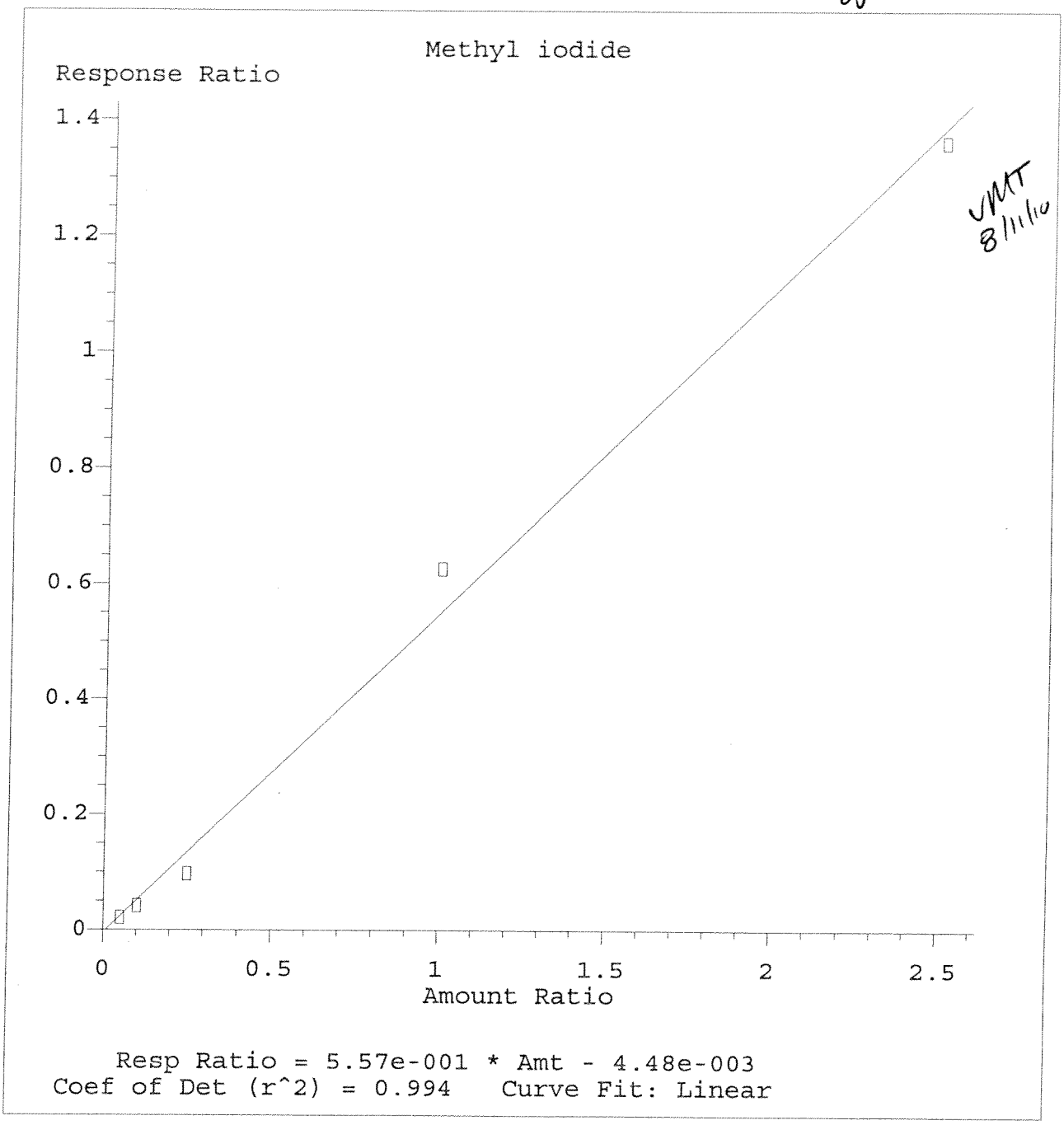
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:01 2010

CL
08.11.10



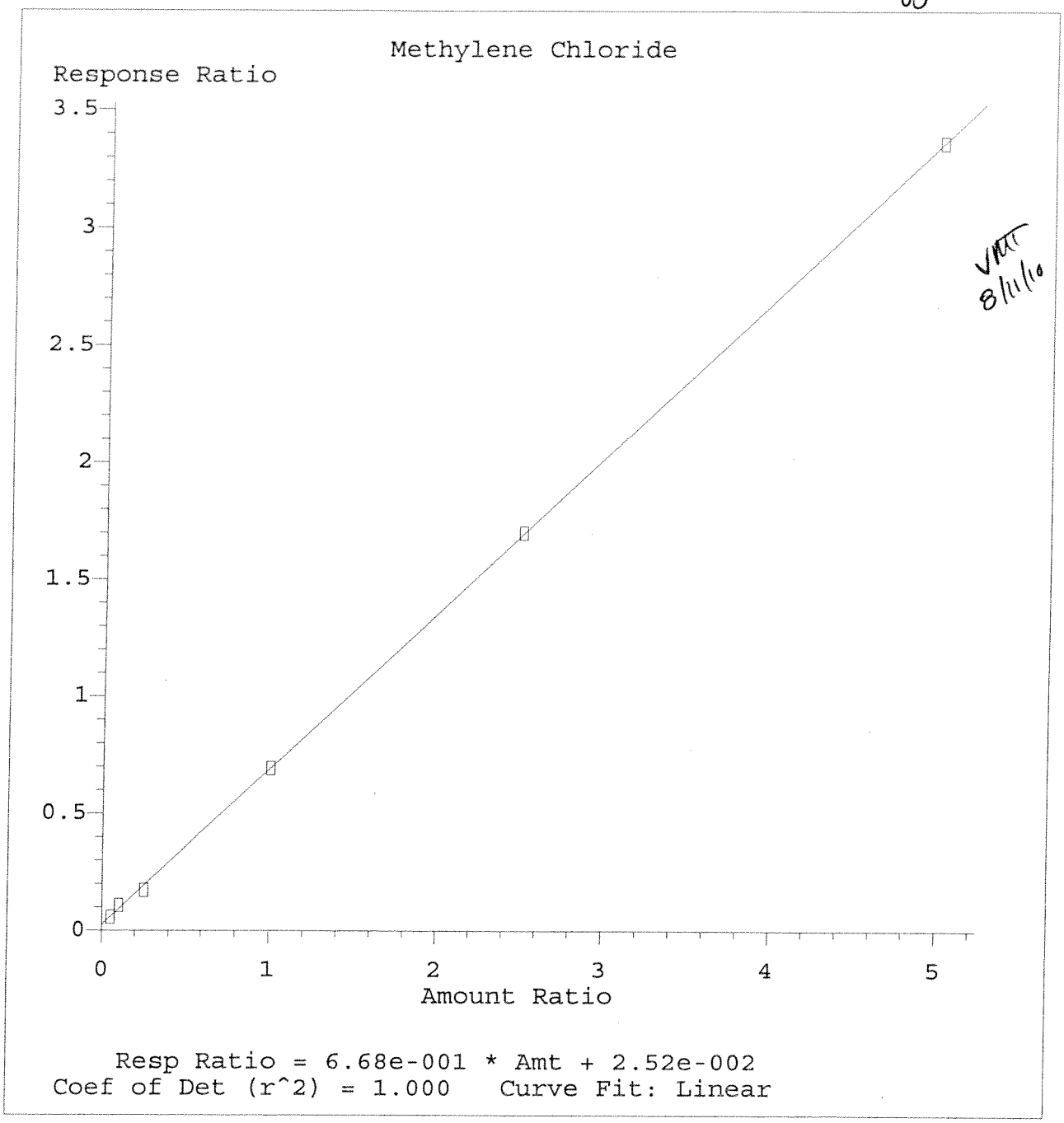
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:19 2010

JL 08/11/10



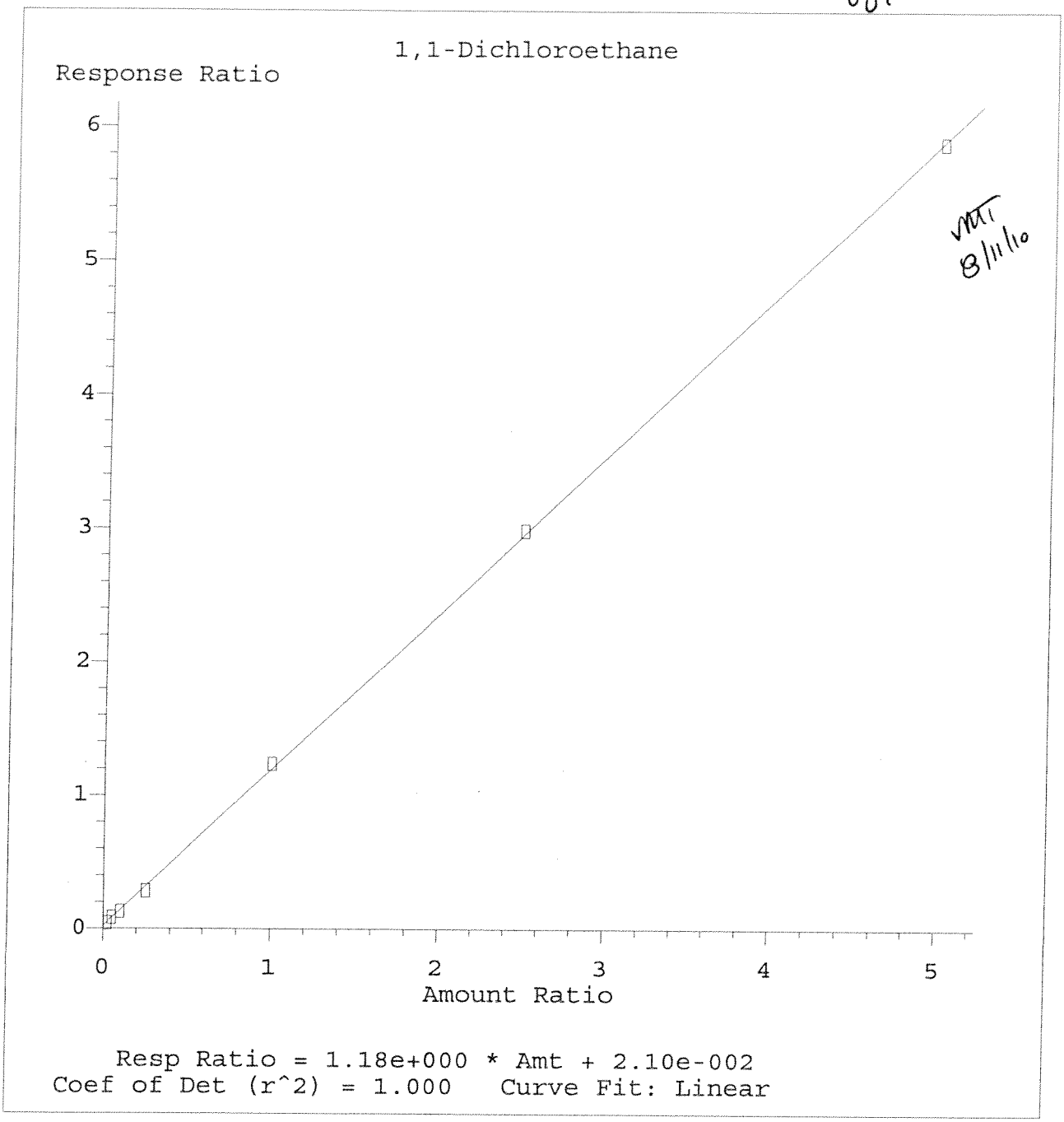
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:42:36 2010

JL
08-11-10



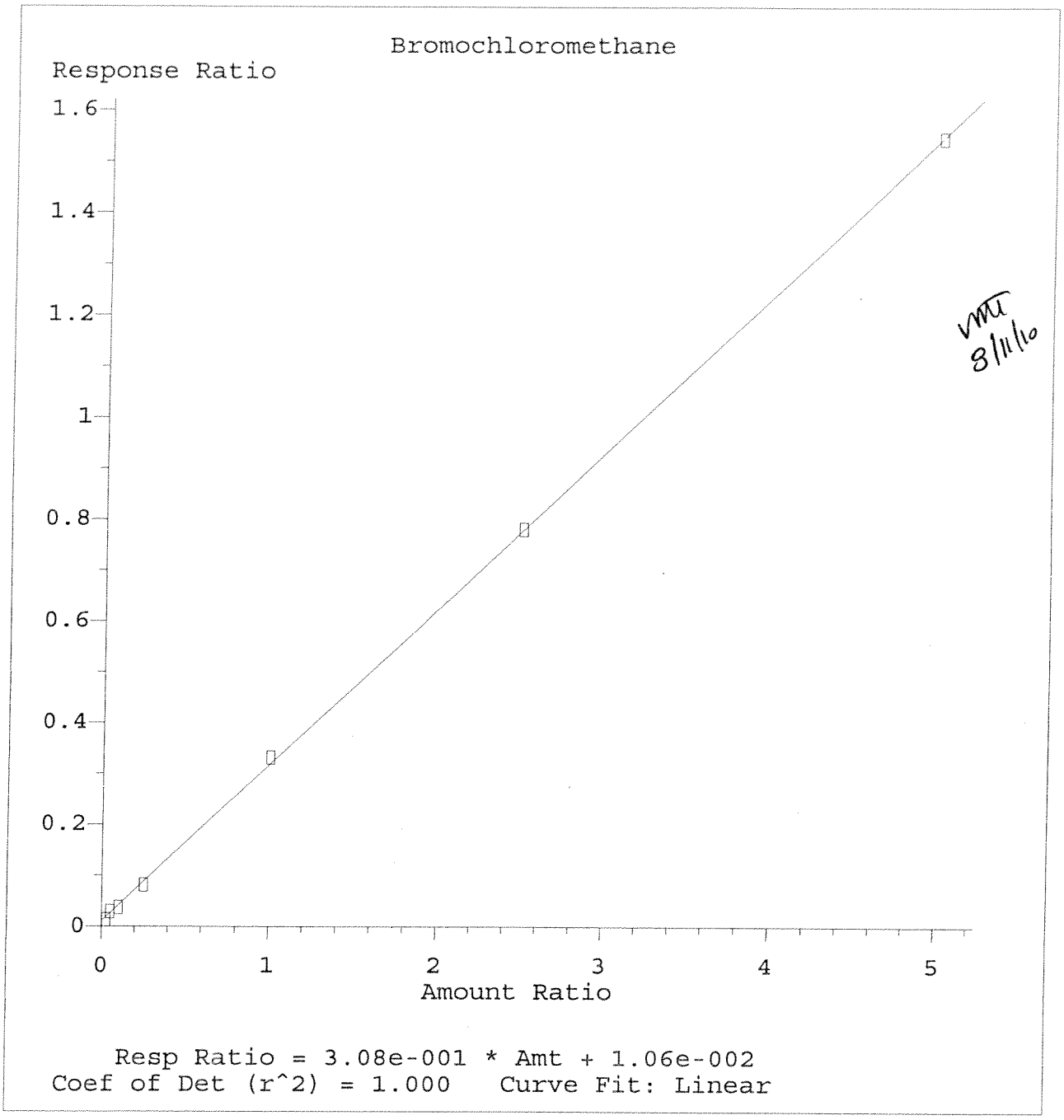
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:00:45 2010

CL
08/11/10



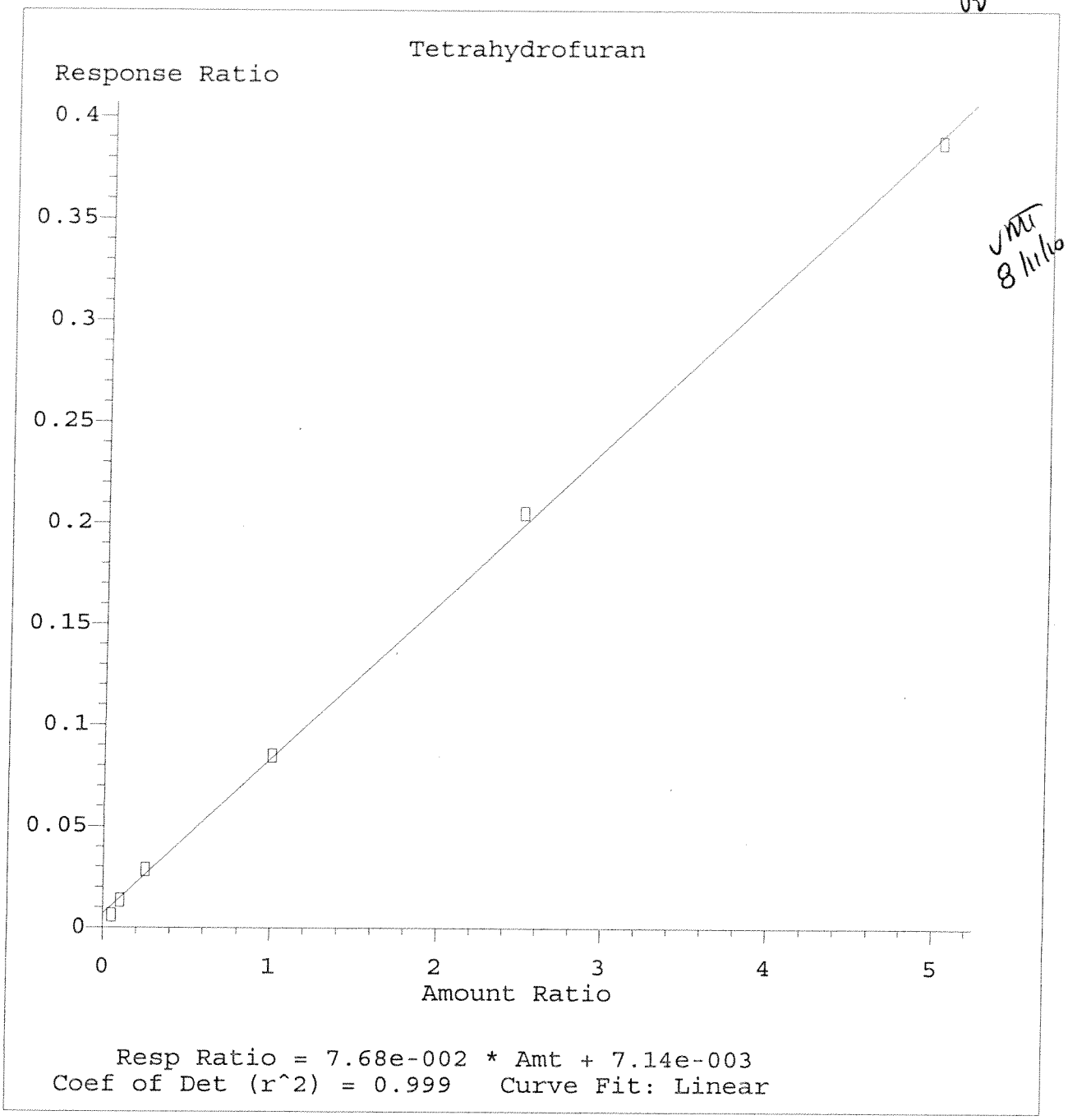
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:02:07 2010

Ok
08.11.10



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:11:44 2010

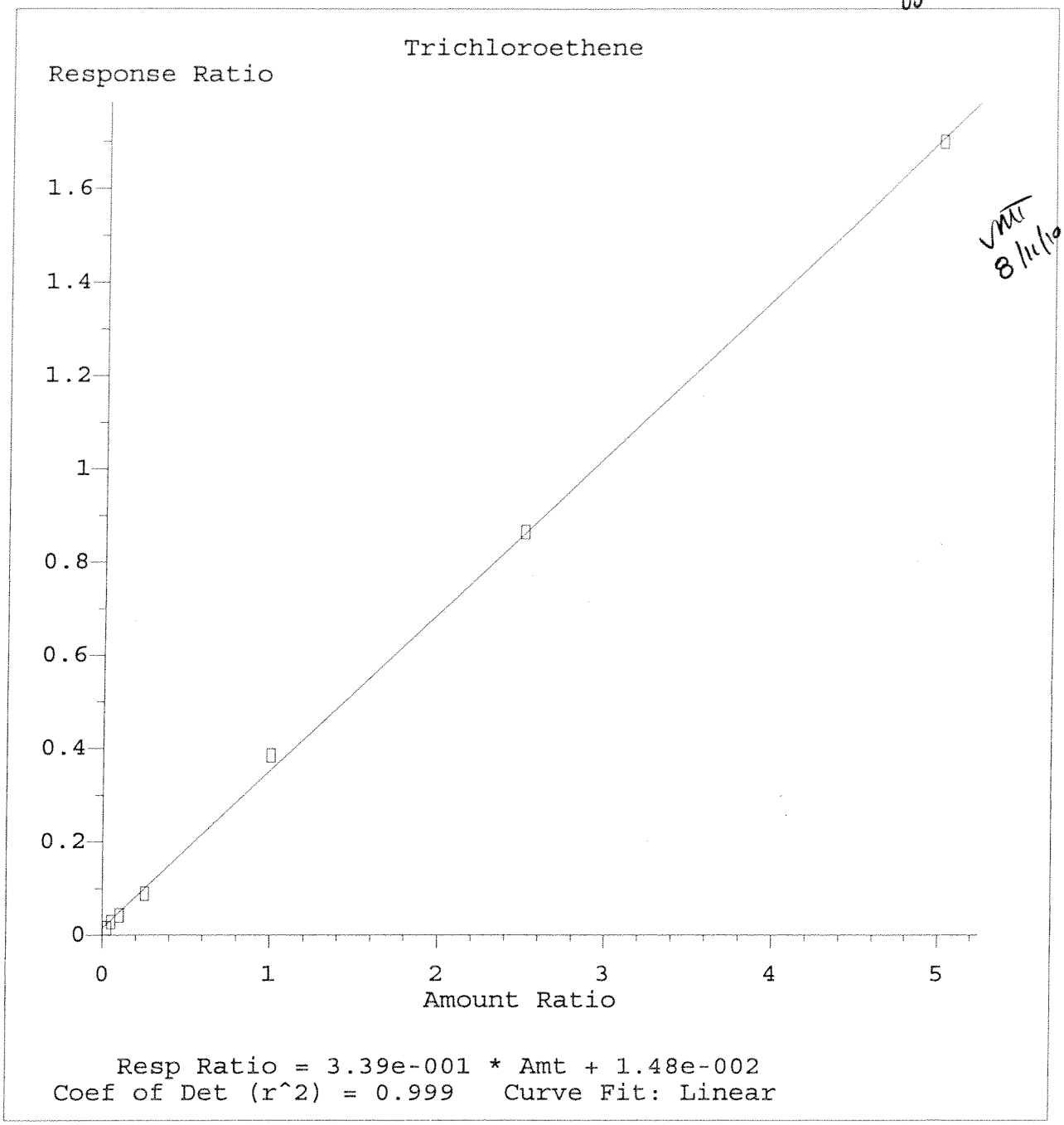
JL
08/11/10



VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:03:57 2010

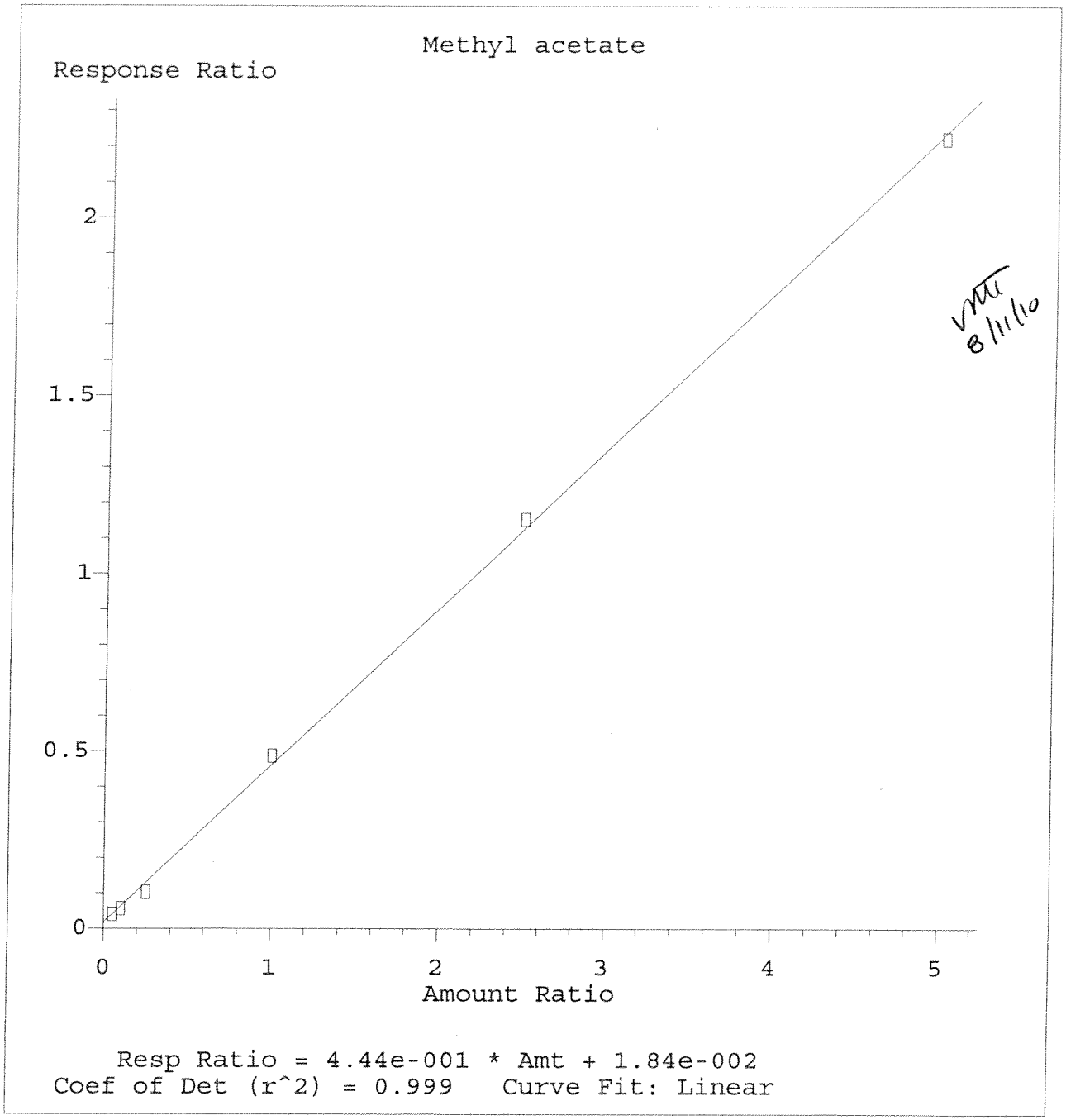
JL
08-11-10



VMT
8/11/10

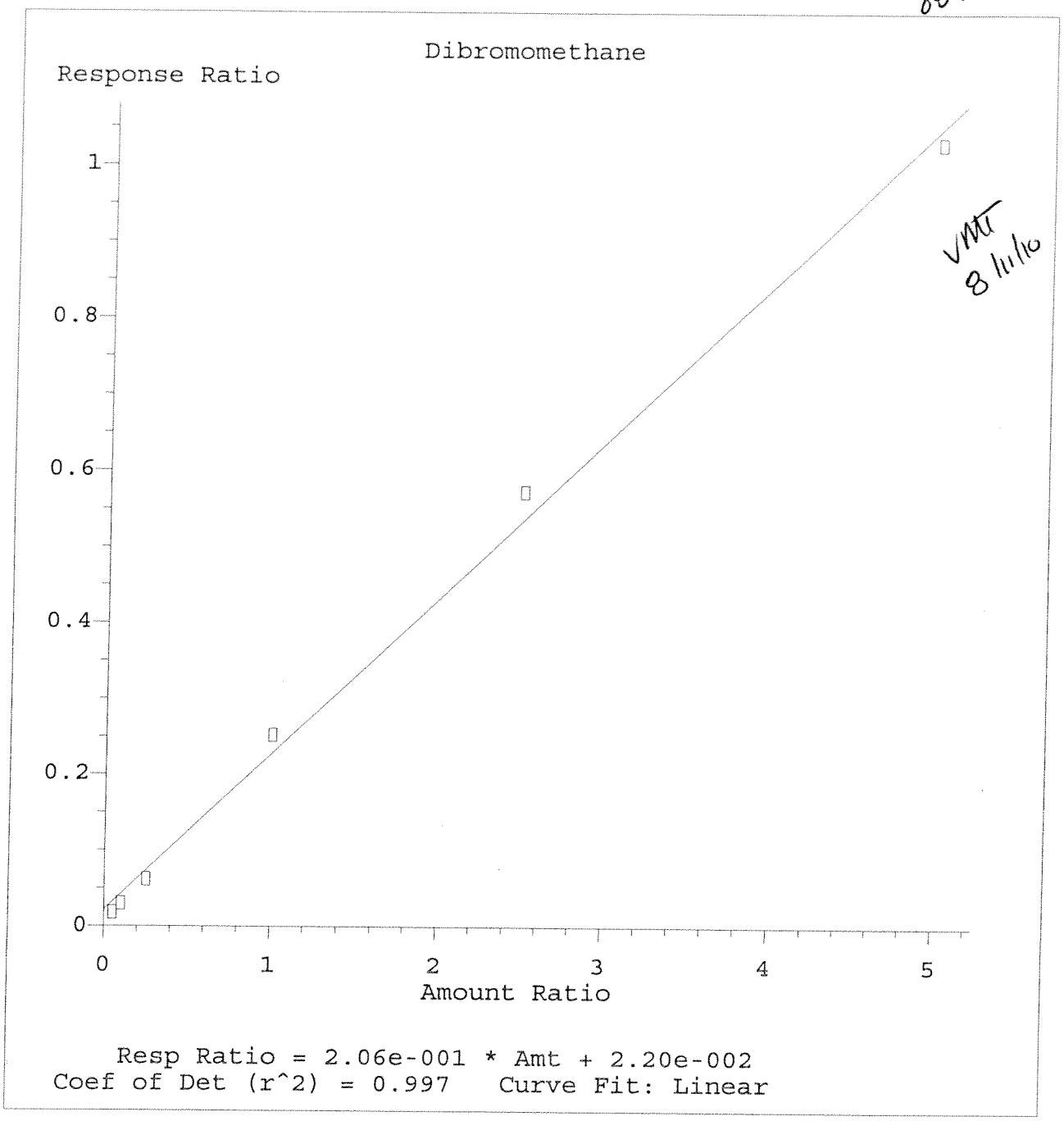
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:02 2010

JR
08/11/10

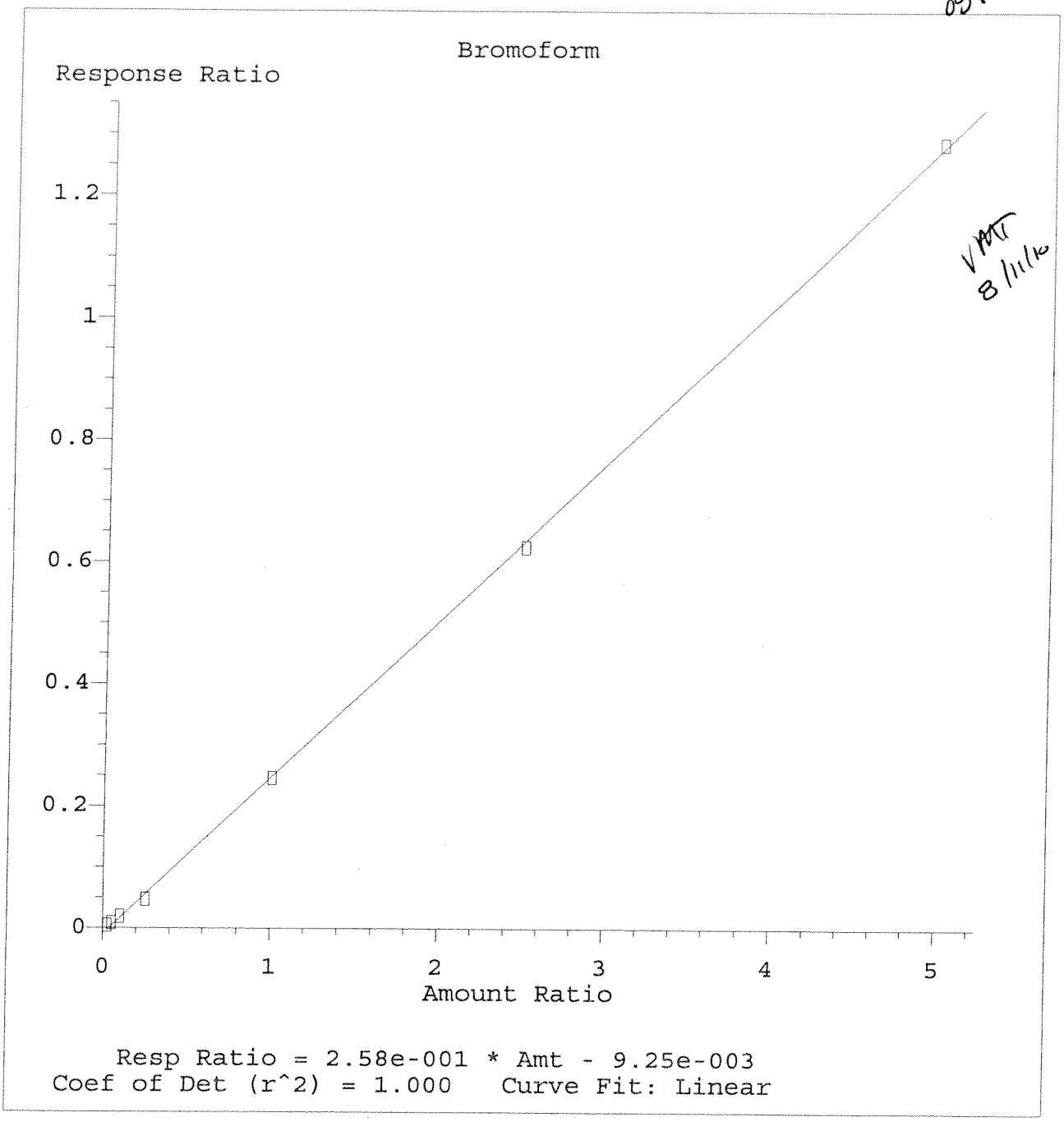


VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:39 2010

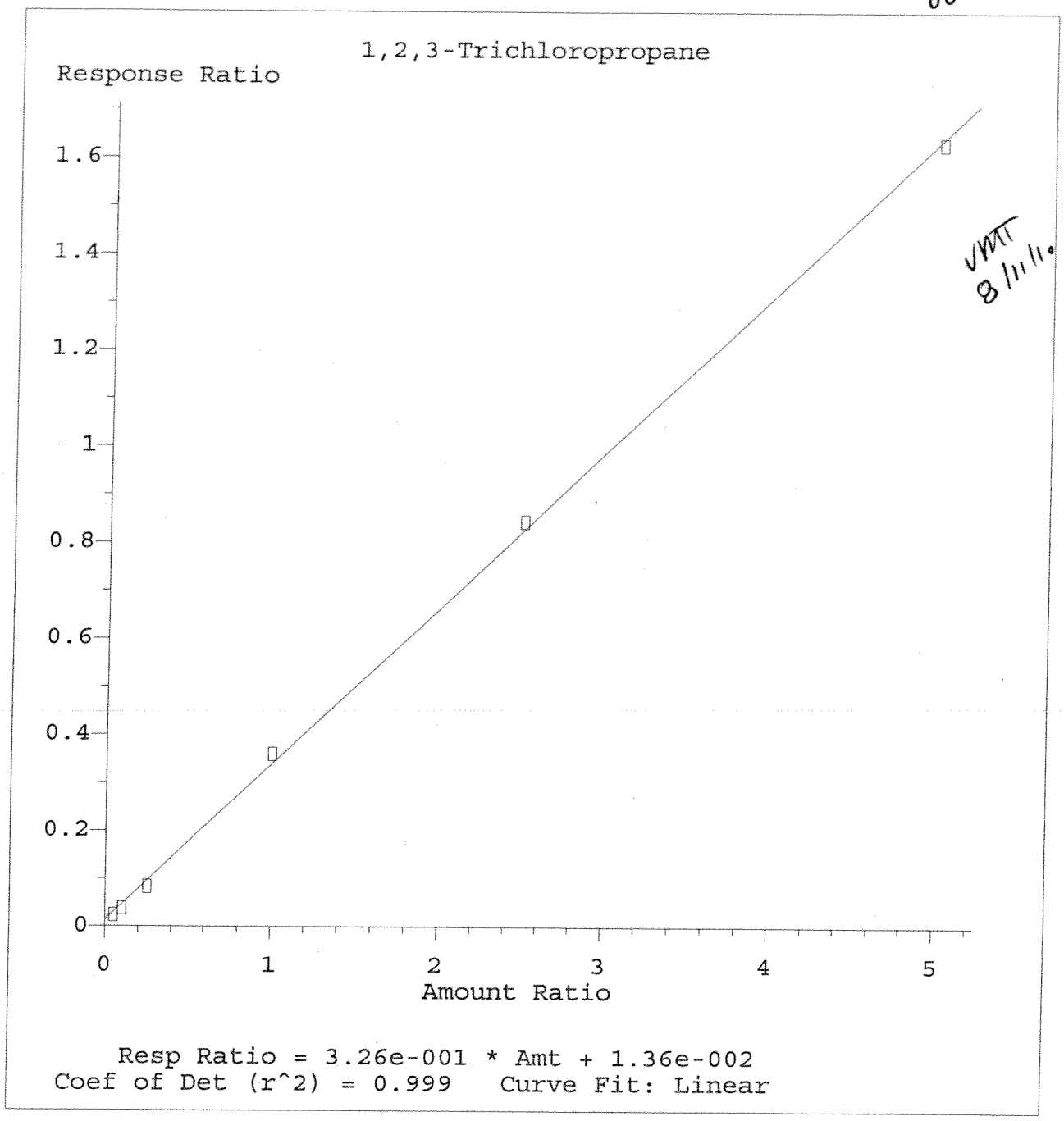


Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:06:08 2010



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:08:39 2010

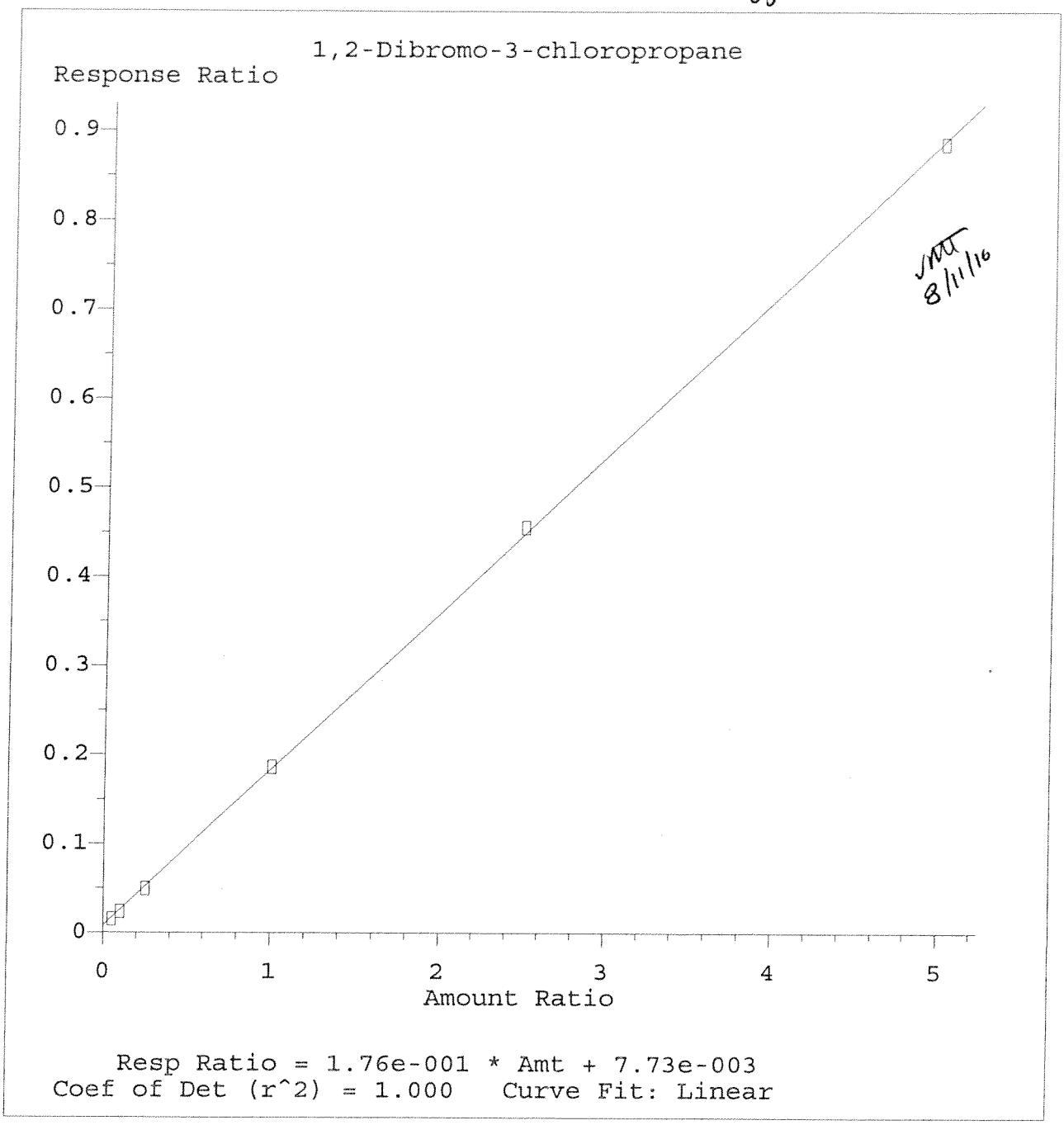
JR 08.11.10



VMT 8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:09:06 2010

CL 03.11.10



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:10:49 2010

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

JL 08-11-10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	80	120	15	0.0	18	89		17	87		2	
Chloromethane	20	80	120	15	0.0	19	95		20	99		5	
Vinyl Chloride	20	80	120	15	0.0	19	95		19	94		1	
Bromomethane	20	80	120	15	0.0	20	100		21	103		3	
Chloroethane	20	80	120	15	0.0	17	84		19	95		12	
t-Butyl alcohol (TBA)	100	80	120	15	0.0	99	99		85	85		16	*
Trichlorofluoromethane	20	80	120	15	0.0	17	87		17	86		1	
Diethyl ether	20	80	120	15	0.0	20	102		21	106		4	
1,1,2-Trichlorotrifluoroethane	20	80	120	15	0.0	16	80		17	84		5	
Acetone	100	80	120	15	0.0	113	113		103	103		9	
1,1-Dichloroethene	20	80	120	15	0.0	18	91		17	85		6	
Methyl iodide	20	80	120	15	0.0	19	96		20	102		6	
Di-isopropyl ether (DIPE)	20	80	120	15	0.0	19	94		19	97		3	
Methylene Chloride	20	80	120	15	0.0	23	117		20	102		13	
Carbon Disulfide	20	80	120	15	0.0	19	94		19	97		4	
Acrylonitrile	20	80	120	15	0.0	22	109		21	105		4	
Methyl-tert-butyl ether (MTBE)	40	80	120	15	0.0	47	119		47	117		2	
trans-1,2-Dichloroethene	20	80	120	15	0.0	18	91		18	92		2	
1,1-Dichloroethane	20	80	120	15	0.0	19	95		19	96		2	
Vinyl acetate	20	80	120	15	0.0	15	74	*	15	76	*	3	
Methyl ethyl ketone	100	80	120	15	0.0	109	109		100	100		9	
Ethyl t-butyl ether (ETBE)	20	80	120	15	0.0	20	98		20	98		0	
2,2-Dichloropropane	20	80	120	15	0.0	18	92		17	87		5	
cis-1,2-Dichloroethene	20	80	120	15	0.0	19	96		19	96		0	
t-Amyl methyl ether (TAME)	20	80	120	15	0.0	20	98		19	95		3	
Chloroform	20	80	120	15	0.0	18	92		19	93		1	
Bromochloromethane	20	80	120	15	0.0	21	103		20	99		4	
Tetrahydrofuran	20	80	120	15	0.0	23	113		21	105		7	
1,1,1-Trichloroethane	20	80	120	15	0.0	19	97		19	97		0	
1,1-Dichloropropene	20	80	120	15	0.0	18	91		19	93		2	
Carbon Tetrachloride	20	80	120	15	0.0	23	114		22	108		6	
1,2-Dichloroethane	20	80	120	15	0.0	20	98		20	100		1	
Benzene	20	80	120	15	0.0	18	89		19	93		4	
Trichloroethene	20	80	120	15	0.0	20	98		19	97		1	
1,2-Dichloropropane	20	80	120	15	0.0	19	97		20	99		2	
Methylmethacrylate	20	80	120	15	0.0	21	105		19	95		11	
Bromodichloromethane	20	80	120	15	0.0	21	104		20	98		6	
Dibromomethane	20	80	120	15	0.0	21	107		19	97		9	
1,4-Dioxane	500	80	120	15	0.0	527	105		458	92		14	
2-Hexanone	100	80	120	15	0.0	113	113		105	105		8	
Methyl isobutyl ketone	100	80	120	15	0.0	111	111		104	104		6	
cis-1,3-Dichloropropene	20	80	120	15	0.0	21	103		20	99		3	
Toluene	20	80	120	15	0.0	19	97		20	98		1	
trans-1,3-Dichloropropene	20	80	120	15	0.0	18	91		17	87		4	
1,1,2-Trichloroethane	20	80	120	15	0.0	21	105		20	101		4	
1,3-Dichloropropane	20	80	120	15	0.0	19	96		19	95		2	
Tetrachloroethene	20	80	120	15	0.0	22	110		22	111		1	
Dibromochloromethane	20	80	120	15	0.0	19	95		19	96		1	
1,2-Dibromoethane	20	80	120	15	0.0	20	98		19	95		3	

XOIZIW

VOA FORM 3

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

OK
08.11.1.

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Chlorobenzene	20	80	120	15	0.0	18	92		19	94		2	
1,1,1,2-Tetrachloroethane	20	80	120	15	0.0	19	95		19	96		1	
Ethylbenzene	20	80	120	15	0.0	19	93		19	95		2	
m,p-Xylene	40	80	120	15	0.0	37	92		38	95		3	
o-Xylene	20	80	120	15	0.0	19	93		19	95		2	
Styrene	20	80	120	15	0.0	19	95		19	96		1	
Bromoform	20	80	120	15	0.0	19	97		20	99		2	
Isopropylbenzene	20	80	120	15	0.0	16	82		17	83		2	
1,1,2,2-Tetrachloroethane	20	80	120	15	0.0	19	97		19	96		0	
1,2,3-Trichloropropane	20	80	120	15	0.0	21	105		21	103		2	
trans-1,4-Dichloro-2-butene	20	80	120	15	0.0	20	100		20	99		1	
n-Propylbenzene	20	80	120	15	0.0	18	92		19	93		1	
Bromobenzene	20	80	120	15	0.0	19	94		19	97		3	
1,3,5-Trimethylbenzene	20	80	120	15	0.0	19	95		20	98		3	
2-Chlorotoluene	20	80	120	15	0.0	20	98		20	99		1	
4-Chlorotoluene	20	80	120	15	0.0	19	95		19	97		2	
tert-butylbenzene	20	80	120	15	0.0	18	92		19	95		3	
1,2,4-Trimethylbenzene	20	80	120	15	0.0	18	90		19	93		3	
sec-butylbenzene	20	80	120	15	0.0	18	91		19	96		5	
p-isopropyltoluene	20	80	120	15	0.0	18	88		18	91		4	
1,3-Dichlorobenzene	20	80	120	15	0.0	19	93		19	95		2	
1,4-Dichlorobenzene	20	80	120	15	0.0	18	92		19	94		3	
n-butylbenzene	20	80	120	15	0.0	18	91		19	97		7	
1,2-Dichlorobenzene	20	80	120	15	0.0	19	93		20	98		5	
1,2-Dibromo-3-chloropropane	20	80	120	15	0.0	22	108		21	104		4	
1,2,4-Trichlorobenzene	20	80	120	15	0.0	18	91		19	95		4	
Hexachlorobutadiene	20	80	120	15	0.0	18	91		19	97		6	
Naphthalene	20	80	120	15	0.0	21	104		21	104		0	
1,2,3-Trichlorobenzene	20	80	120	15	0.0	20	98		20	102		3	
1,3,5-Trichlorobenzene	20	80	120	15	0.0	18	91		19	97		6	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

381210

VOA FORM 3

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D Vial: 3
Acq On : 15 Oct 2010 12:03 pm Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Multiple Level Calibration

10/18/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	89	0.00
2	TM	Dichlorodifluoromethane	0.757	0.509	Low 32.8#	62	0.00
3	TMP	Chloromethane	1.195	0.946	L 93% ~~20.8~~#	85	0.00
4	TMC	Vinyl Chloride	0.766	0.691	9.8	85	0.00
5	TM	Bromomethane	0.522	0.677	L 110% ~~-29.7~~#	104	0.00
6	TM	Chloroethane	0.579	0.593	-2.4	96	0.00
7	TM	t-Butyl alcohol (TBA)	0.072	0.060#	16.7	86	0.00
8	TM	Trichlorofluoromethane	1.175	1.165	0.9	89	0.00
9	TM	Diethyl ether	0.315	0.327	-3.8	82	0.00
10	TM	1,1,2-Trichlorotrifluoroeth	0.650	0.648	0.3	90	0.00
11	T	Acrolein	0.047	0.120	NT -155.3#	254#	0.00
12	TM	Acetone	0.315	0.250	20.6#	83	0.00
13	TMC	1,1-Dichloroethene	0.604	0.614	-1.7	93	0.00
14	TM	Methyl iodide	0.481	0.599	L 109% ~~-24.5~~#	85	0.00
15	TM	Di-isopropyl ether (DIPE)	2.967	2.971	-0.1	92	0.00
16	TM	Methylene Chloride	0.829	0.689	16.9	89	0.00
17	TM	Carbon Disulfide	2.044	2.007	1.8	85	0.00
18	TM	Acrylonitrile	0.323	0.306	5.3	83	0.00
19	TM	Methyl-tert-butyl ether (MT	1.398	1.539	-10.1	90	0.00
20	TM	trans-1,2-Dichloroethene	1.029	0.984	4.4	86	0.00
21	TMP	1,1-Dichloroethane	1.344	1.245	7.4	90	0.00
22	TM	Vinyl acetate	1.252	1.367	-9.2	93	0.00
23	TM	Methyl ethyl ketone	0.072	0.071#	1.4	89	0.00
24	TM	Ethyl t-butyl ether (ETBE)	2.176	2.197	-1.0	91	0.00
25	TM	2,2-Dichloropropane	0.775	0.752	3.0	90	0.00
26	TM	cis-1,2-Dichloroethene	0.737	0.740	-0.4	88	0.00
27	TM	t-Amyl methyl ether (TAME)	1.789	1.713	4.2	89	0.00
28	S	DB Holder #28	0.760	0.724	4.7	81	0.00
29	TMC	Chloroform	1.211	1.151	5.0	87	0.00
30	TM	Bromochloromethane	0.396	0.326	17.7	88	0.00
31	TM	Tetrahydrofuran	0.103	0.084#	18.4	89	0.00
32	TM	1,1,1-Trichloroethane	0.945	0.945	0.0	87	0.00
33	T	Ethanol	0.013	0.012#	7.7	84	0.00
34	TM	1,1-Dichloropropene	0.947	0.920	2.9	88	0.00
35	TM	Carbon Tetrachloride	0.563	0.603	-7.1	89	0.00
36	S	d4-1,2-Dichloroethane	0.760	0.724	4.7	81	0.00
37	TM	1,2-Dichloroethane	0.906	0.893	1.4	86	0.00
38	TM	Benzene	2.460	2.378	3.3	89	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
40	TM	Trichloroethene	0.432	0.371	14.1	85	0.00
41	TMC	1,2-Dichloropropane	0.349	0.358	-2.6	92	0.00
42	TM	Methylmethacrylate	0.252	0.232	7.9	84	0.00
43	T	Methyl acetate	0.527	0.485	8.0	88	0.00
44	T	Cyclohexane	0.572	0.645	-12.8	99	0.00
45	TM	Bromodichloromethane	0.407	0.417	-2.5	88	0.00
46	TM	Dibromomethane	0.267	0.249	6.7	87	0.00
47	TM	1,4-Dioxane	0.004	0.004#	0.0	83	0.00
48	T	Methylcyclohexane	0.516	0.568	-10.1	97	0.00
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
50	T	2-Chloroethylvinyl ether	0.198	0.200	-1.0	95	0.00
51	TM	2-Hexanone	0.145	0.138	4.8	85	0.00
52	TM	Methyl isobutyl ketone	0.148	0.144	2.7	85	0.00
53	TM	cis-1,3-Dichloropropene	0.537	0.541	-0.7	86	0.00

(#) = Out of Range

VMT 10/18/10

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D Vial: 3
Acq On : 15 Oct 2010 12:03 pm Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	S	d8-Toluene	1.103	1.117	-1.3	89	0.00
55	TMC	Toluene	0.773	0.787	-1.8	89	0.00
56	TM	trans-1,3-Dichloropropene	0.505	0.486	3.8	83	0.00
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
58	TM	1,1,2-Trichloroethane	0.250	0.252	-0.8	85	0.00
59	TM	1,3-Dichloropropane	0.544	0.514	5.5	86	0.00
60	TM	Tetrachloroethene	0.369	0.338	8.4	85	0.00
61	TM	Dibromochloromethane	0.372	0.351	5.6	85	0.00
62	TM	1,2-Dibromoethane	0.385	0.359	6.8	84	0.00
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	88	0.00
64	TMP	Chlorobenzene	1.040	1.017	2.2	90	0.00
65	TM	1,1,1,2-Tetrachloroethane	0.360	0.354	1.7	88	0.00
66	TMC	Ethylbenzene	1.627	1.612	0.9	91	0.00
67	TM	m,p-Xylene	0.664	0.654	1.5	90	0.00
68	TM	o-Xylene	0.641	0.633	1.2	88	0.00
69	TM	Styrene	1.121	1.124	-0.3	91	0.00
70	TMP	Bromoform	0.212	0.228	-7.5	82	0.00
71	TM	Isopropylbenzene	1.669	1.661	0.5	90	0.00
72	TMP	1,1,2,2-Tetrachloroethane	0.494	0.455	7.9	83	0.00
73	S	Bromofluorobenzene	0.471	0.472	-0.2	87	0.00
74	TM	1,2,3-Trichloropropane	0.370	0.336	9.2	82	0.00
75	TM	trans-1,4-Dichloro-2-butene	0.128	0.127	0.8	84	0.00
76	TM	n-Propylbenzene	1.963	1.936	1.4	90	0.00
77	TM	Bromobenzene	0.375	0.371	1.1	88	0.00
78	TM	1,3,5-Trimethylbenzene	1.306	1.328	-1.7	90	0.00
79	TM	2-Chlorotoluene	1.193	1.224	-2.6	89	0.00
80	TM	4-Chlorotoluene	1.128	1.114	1.2	88	0.00
81	TM	tert-butylbenzene	1.158	1.111	4.1	86	0.00
82	TM	1,2,4-Trimethylbenzene	1.399	1.387	0.9	89	0.00
83	T	Diisobutylketone	0.990	1.008	-1.8	92	0.00
84	TM	sec-butylbenzene	1.848	1.834	0.8	90	0.00
85	TM	p-isopropyltoluene	1.479	1.450	2.0	89	0.00
86	TM	1,3-Dichlorobenzene	0.683	0.673	1.5	90	0.00
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
88	TM	1,4-Dichlorobenzene	1.607	1.565	2.6	89	0.00
89	TM	n-butylbenzene	3.130	3.106	0.8	89	0.00
90	TM	1,2-Dichlorobenzene	1.444	1.430	1.0	88	0.00
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
92	TM	1,2-Dibromo-3-chloropropane	0.214	0.167	<90% ~~22.0~~#	80	0.00
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
94	TM	1,2,4-Trichlorobenzene	1.102	1.121	-1.7	88	0.00
95	TM	Hexachlorobutadiene	0.547	0.543	0.7	89	0.00
96	TM	Naphthalene	2.674	2.650	0.9	84	0.00
97	TM	1,2,3-Trichlorobenzene	0.977	1.007	-3.1	89	0.00
98	TM	1,3,5-Trichlorobenzene	1.168	1.224	-4.8	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
C76536SC.D V808100C.M Sat Oct 16 12:59:15 2010

% DRIFT EVALUATION

AD 10/16/10

1=AVERAGE RF	Data File Name	C76536SC.D
0=LINEAR	Date Acquired	10/15/10 12:03
3=QUADRATIC	Sample Name	20 PPB

METHOD: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	13.45	20	32.7%	NA	* - okin LCS,D
0	Chloromethane	18.63	20	6.9%		OK
1	Vinyl Chloride	18.05	20	9.7%	NA	OK
0	Bromomethane	21.93	20	9.7%		OK
1	Chloroethane	20.47	20	2.4%	NA	OK
1	t-Butyl alcohol (TBA)	83.03	100	17.0%	NA	OK
1	Trichlorofluoromethane	19.83	20	0.9%	NA	OK
1	Diethyl ether	20.76	20	3.8%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	19.94	20	0.3%	NA	OK
0	Acrolein	282.91	100	182.9%		* NT
0	Acetone	96.27	100	3.7%		OK
1	1,1-Dichloroethene	20.32	20	1.6%	NA	OK
0	Methyl iodide	21.70	20	8.5%		OK
1	Di-isopropyl ether (DIPE)	20.02	20	0.1%	NA	OK
0	Methylene Chloride	19.89	20	0.6%		OK
1	Carbon Disulfide	19.64	20	1.8%	NA	OK
1	Acrylonitrile	18.99	20	5.1%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	22.02	20	10.1%	NA	OK
1	trans-1,2-Dichloroethene	19.12	20	4.4%	NA	OK
0	1,1-Dichloroethane	20.82	20	4.1%		OK
1	Vinyl acetate	21.84	20	9.2%	NA	OK
1	Methyl ethyl ketone	98.61	100	1.4%	NA	OK
1	Ethyl t-butyl ether (ETBE)	20.19	20	0.9%	NA	OK
1	2,2-Dichloropropane	19.40	20	3.0%	NA	OK
1	cis-1,2-Dichloroethene	20.07	20	0.4%	NA	OK
1	t-Amyl methyl ether (TAME)	19.15	20	4.3%	NA	OK
1	Chloroform	18.99	20	5.0%	NA	OK
0	Bromochloromethane	20.49	20	2.4%		OK
0	Tetrahydrofuran	20.15	20	0.8%		OK
1	1,1,1-Trichloroethane	20.01	20	0.0%	NA	OK
1	Ethanol	934.14	1000	6.6%	NA	OK
1	1,1-Dichloropropene	19.42	20	2.9%	NA	OK
1	Carbon Tetrachloride	21.40	20	7.0%	NA	OK
1	d4-1,2-Dichloroethane	19.04	20	4.8%	NA	OK
1	1,2-Dichloroethane	19.71	20	1.5%	NA	OK
1	Benzene	19.34	20	3.3%	NA	OK
0	Trichloroethene	21.03	20	5.2%		OK
1	1,2-Dichloropropane	20.48	20	2.4%	NA	OK
1	Methylmethacrylate	18.42	20	7.9%	NA	OK
0	Methyl acetate	21.00	20	5.0%		OK

MT 10/18/10

1	Cyclohexane	22.57	20	12.9%	NA	OK
1	Bromodichloromethane	20.50	20	2.5%	NA	OK
0	Dibromomethane	22.05	20	10.3%		OK
1	1,4-Dioxane	475.96	500	4.8%	NA	OK
1	Methylcyclohexane	22.00	20	10.0%	NA	OK
1	2-Chloroethylvinyl ether	20.18	20	0.9%	NA	OK
1	2-Hexanone	95.53	100	4.5%	NA	OK
1	Methyl isobutyl ketone	97.47	100	2.5%	NA	OK
1	cis-1,3-Dichloropropene	20.14	20	0.7%	NA	OK
1	d8-Toluene	20.25	20	1.3%	NA	OK
1	Toluene	20.37	20	1.8%	NA	OK
1	trans-1,3-Dichloropropene	19.26	20	3.7%	NA	OK
1	1,1,2-Trichloroethane	20.14	20	0.7%	NA	OK
1	1,3-Dichloropropane	18.91	20	5.5%	NA	OK
1	Tetrachloroethene	18.33	20	8.4%	NA	OK
1	Dibromochloromethane	18.88	20	5.6%	NA	OK
1	1,2-Dibromoethane	18.65	20	6.8%	NA	OK
1	Chlorobenzene	19.55	20	2.2%	NA	OK
1	1,1,1,2-Tetrachloroethane	19.71	20	1.5%	NA	OK
1	Ethylbenzene	19.82	20	0.9%	NA	OK
1	m,p-Xylene	39.44	40	1.4%	NA	OK
1	o-Xylene	19.78	20	1.1%	NA	OK
1	Styrene	20.05	20	0.2%	NA	OK
0	Bromoform	18.42	20	7.9%		OK
1	Isopropylbenzene	19.90	20	0.5%	NA	OK
1	1,1,2,2-Tetrachloroethane	18.45	20	7.7%	NA	OK
1	Bromofluorobenzene	20.05	20	0.3%	NA	OK
0	1,2,3-Trichloropropane	19.83	20	0.9%		OK
1	trans-1,4-Dichloro-2-butene	19.96	20	0.2%	NA	OK
1	n-Propylbenzene	19.72	20	1.4%	NA	OK
1	Bromobenzene	19.78	20	1.1%	NA	OK
1	1,3,5-Trimethylbenzene	20.34	20	1.7%	NA	OK
1	2-Chlorotoluene	20.52	20	2.6%	NA	OK
1	4-Chlorotoluene	19.76	20	1.2%	NA	OK
1	tert-butylbenzene	19.18	20	4.1%	NA	OK
1	1,2,4-Trimethylbenzene	19.83	20	0.8%	NA	OK
1	Diisobutylketone	101.77	100	1.8%	NA	OK
1	sec-butylbenzene	19.84	20	0.8%	NA	OK
1	p-isopropyltoluene	19.61	20	2.0%	NA	OK
1	1,3-Dichlorobenzene	19.71	20	1.4%	NA	OK
1	1,4-Dichlorobenzene	19.48	20	2.6%	NA	OK
1	n-butylbenzene	19.84	20	0.8%	NA	OK
1	1,2-Dichlorobenzene	19.81	20	0.9%	NA	OK
0	1,2-Dibromo-3-chloropropane	18.04	20	9.8%		OK
1	1,2,4-Trichlorobenzene	20.34	20	1.7%	NA	OK
1	Hexachlorobutadiene	19.86	20	0.7%	NA	OK
1	Naphthalene	19.82	20	0.9%	NA	OK
1	1,2,3-Trichlorobenzene	20.63	20	3.1%	NA	OK
1	1,3,5-Trichlorobenzene	20.95	20	4.7%	NA	OK

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
ATED PURGE (Y/N): N

SDG: 67967

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
Upper Limit	393962		7.15		774998		8.65		686338		13.18		299682		16.90	
Lower limit	98491		7.03		193750		8.53		171585		13.06		74921		16.78	
SAMPLE ID																
0.2 PPB	195858		7.10		379188		8.59		335209		13.11		150145		16.83	
0.5 PPB	197160		7.10		377545		8.59		336495		13.11		150633		16.83	
1.0 PPB	198221		7.10		390972		8.59		340345		13.12		151939		16.84	
2.0 PPB	201313		7.10		385421		8.59		340024		13.12		151871		16.84	
5.0 PPB	191436		7.10		377072		8.59		326733		13.11		146462		16.83	
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
50.0 PPB	187674		7.10		375824		8.59		333454		13.12		146646		16.83	
100.0 PPB	212825		7.10		426996		8.59		369802		13.12		156214		16.84	
20 PPB ICV	136751		7.09		264160		8.59		237302		13.12		105646		16.84	
20 PPB ICV2	197193		7.10		389939		8.59		341660		13.12		149620		16.84	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
TED PURGE (Y/N): N

SDG: 67967

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	175768		7.17		342673		8.66		302905		13.18		133673		16.89	
Upper Limit	351536		7.23		685346		8.72		605810		13.24		267346		16.95	
Lower limit	87884		7.11		171337		8.60		151453		13.12		66837		16.83	
SAMPLE ID																
LS10150C,RR	195969		7.16		404249		8.66		348645		13.18		148477		16.89	
LS10150C2,RR	205315		7.16		413759		8.65		356530		13.18		149358		16.90	
MB10150C	200271		7.16		403505		8.65		349041		13.18		143402		16.89	
67967-5	184345		7.16		372482		8.65		319604		13.18		131649		16.89	
67967-1	196227		7.16		397950		8.66		342980		13.18		138843		16.89	
67967-2	196414		7.16		411257		8.65		348367		13.18		142826		16.90	
67967-3	203168		7.16		408232		8.65		347769		13.17		141893		16.89	
67967-4	198732		7.16		406028		8.65		347481		13.18		143360		16.89	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: B100710AASE RR
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/07/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/	Result µg/kg	COMPOUND	Detection Limit µg/	Result µg/kg
Acenaphthene	267	U	2,4-dinitrophenol	700	U
Acenaphthylene	267	U	2,4-Dinitrotoluene	350	U
Anthracene	267	U	2,6-Dinitrotoluene	500	U
Benzo[a]anthracene	267	U	di-n-octyl-phthalate	500	U
Benzo[b] fluoranthene	267	U	Fluoranthene	267	U
Benzo[k] fluoranthene	267	U	Fluorene	267	U
Benzo(g,h,i) perylene	267	U	Hexachlorobenzene	350	U
Benzo[a] pyrene	267	U	Hexachlorobutadiene	500	U
Bis(2-chloroethoxy)methane	500	U	Hexachloroethane	350	U
bis(2-chloroethyl) ether	350	U	Indeno [1,2,3-cd] pyrene	267	U
bis(2-chloroisopropyl)ether	350	U	Isophorone	500	U
Bis (2-ethylhexyl) phthalate	500	U	2-Methylnaphthalene	267	U
4-bromophenyl phenyl ether	500	U	2-Methylphenol	700	U
Butyl benzyl phthalate	500	U	3+4-Methylphenol	700	U
4-Chloroaniline	500	U	Naphthalene	267	U
2-Chloronaphthalene	267	U	Nitrobenzene	500	U
2-Chlorophenol	350	U	2-Nitrophenol	700	U
Chrysene	267	U	4-Nitrophenol	700	U
Dibenz [a,h] anthracene	267	U	Pentachlorophenol	700	U
Dibenzofuran	267	U	Phenanthrene	267	U
Di-n-butyl phthalate	500	U	Phenol	700	U
1,2-Dichlorobenzene	500	U	Pyrene	267	U
1,3-Dichlorobenzene	500	U	1,2,4-Trichlorobenzene	500	U
1,4-Dichlorobenzene	350	U	2,4,5-Trichlorophenol	500	U
3,3'-Dichlorobenzidine	500	U	2,4,6-Trichlorophenol	350	U
2,4-Dichlorophenol	350	U	Acetophenone	500	U
Diethyl Phthalate	500	U	Azobenzene	500	U
2,4-Dimethylphenol	350	U			
Dimethyl Phthalate	500	U			
Aniline	500	U			

Surrogate Standard Recovery

2-Fluorophenol	57	%	d5-Phenol	62	%	d5-nitrobenzene	61	%
2-Fluorobiphenyl	66	%	2,4,6-Tribromophenol	78	%	d14-p-terphenyl	82	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270 MCP(63)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Percent Solid: 79
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/07/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-DC-01

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/	Result µg/kg	COMPOUND	Detection Limit µg/	Result µg/kg
Acenaphthene	330	U	2,4-dinitrophenol	870	U
Acenaphthylene	330	U	2,4-Dinitrotoluene	440	U
Anthracene	330	U	2,6-Dinitrotoluene	620	U
Benzo[a]anthracene	330	U	di-n-octyl-phthalate	620	U
Benzo[b] fluoranthene	330	**218 J**	Fluoranthene	330	**379**
Benzo[k] fluoranthene	330	U	Fluorene	330	U
Benzo(g,h,i) perylene	330	U	Hexachlorobenzene	440	U
Benzo[a] pyrene	330	U	Hexachlorobutadiene	620	U
Bis(2-chloroethoxy)methane	620	U	Hexachloroethane	440	U
bis(2-chloroethyl) ether	440	U	Indeno [1,2,3-cd] pyrene	330	U
bis(2-chloroisopropyl)ether	440	U	Isophorone	620	U
Bis (2-ethylhexyl) phthalate	620	U	2-Methylnaphthalene	330	U
4-bromophenyl phenyl ether	620	U	2-Methylphenol	870	U
Butyl benzyl phthalate	620	U	3+4-Methylphenol	870	U
4-Chloroaniline	620	U	Naphthalene	330	U
2-Chloronaphthalene	330	U	Nitrobenzene	620	U
2-Chlorophenol	440	U	2-Nitrophenol	870	U
Chrysene	330	**171 J**	4-Nitrophenol	870	U
Dibenz [a,h] anthracene	330	U	Pentachlorophenol	870	U
Dibenzofuran	330	U	Phenanthrene	330	**310 J**
Di-n-butyl phthalate	620	U	Phenol	870	U
1,2-Dichlorobenzene	620	U	Pyrene	330	**368**
1,3-Dichlorobenzene	620	U	1,2,4-Trichlorobenzene	620	U
1,4-Dichlorobenzene	440	U	2,4,5-Trichlorophenol	620	U
3,3'-Dichlorobenzidine	620	U	2,4,6-Trichlorophenol	440	U
2,4-Dichlorophenol	440	U	Acetophenone	620	U
Diethyl Phthalate	620	U	Azobenzene	620	U
2,4-Dimethylphenol	440	U			
Dimethyl Phthalate	620	U			
Aniline	620	U			

Surrogate Standard Recovery

2-Fluorophenol	62	%	d5-Phenol	73	%	d5-nitrobenzene	72	%
2-Fluorobiphenyl	77	%	2,4,6-Tribromophenol	88	%	d14-p-terphenyl	79	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270 MCP(63)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/07/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-APN-01

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/	Result µg/kg	COMPOUND	Detection Limit µg/	Result µg/kg
Acenaphthene	290	U	2,4-dinitrophenol	760	U
Acenaphthylene	290	U	2,4-Dinitrotoluene	380	U
Anthracene	290	U	2,6-Dinitrotoluene	540	U
Benzo[a]anthracene	290	U	di-n-octyl-phthalate	540	U
Benzo[b] fluoranthene	290	U	Fluoranthene	290	U
Benzo[k] fluoranthene	290	U	Fluorene	290	U
Benzo(g,h,i) perylene	290	U	Hexachlorobenzene	380	U
Benzo[a] pyrene	290	U	Hexachlorobutadiene	540	U
Bis(2-chloroethoxy)methane	540	U	Hexachloroethane	380	U
bis(2-chloroethyl) ether	380	U	Indeno [1,2,3-cd] pyrene	290	U
bis(2-chloroisopropyl)ether	380	U	Isophorone	540	U
Bis (2-ethylhexyl) phthalate	540	U	2-Methylnaphthalene	290	U
4-bromophenyl phenyl ether	540	U	2-Methylphenol	760	U
Butyl benzyl phthalate	540	U	3+4-Methylphenol	760	U
4-Chloroaniline	540	U	Naphthalene	290	U
2-Chloronaphthalene	290	U	Nitrobenzene	540	U
2-Chlorophenol	380	U	2-Nitrophenol	760	U
Chrysene	290	U	4-Nitrophenol	760	U
Dibenz [a,h] anthracene	290	U	Pentachlorophenol	760	U
Dibenzofuran	290	U	Phenanthrene	290	U
Di-n-butyl phthalate	540	U	Phenol	760	U
1,2-Dichlorobenzene	540	U	Pyrene	290	U
1,3-Dichlorobenzene	540	U	1,2,4-Trichlorobenzene	540	U
1,4-Dichlorobenzene	380	U	2,4,5-Trichlorophenol	540	U
3,3'-Dichlorobenzidine	540	U	2,4,6-Trichlorophenol	380	U
2,4-Dichlorophenol	380	U	Acetophenone	540	U
Diethyl Phthalate	540	U	Azobenzene	540	U
2,4-Dimethylphenol	380	U			
Dimethyl Phthalate	540	U			
Aniline	540	U			

Surrogate Standard Recovery

2-Fluorophenol	71	%	d5-Phenol	81	%	d5-nitrobenzene	78	%
2-Fluorobiphenyl	87	%	2,4,6-Tribromophenol	93	%	d14-p-terphenyl	76	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270 MCP(63)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-3
Matrix: Solid
Percent Solid: 80
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/07/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-01

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/	Result µg/kg	COMPOUND	Detection Limit µg/	Result µg/kg
Acenaphthene	320	U	2,4-dinitrophenol	840	U
Acenaphthylene	320	U	2,4-Dinitrotoluene	420	U
Anthracene	320	U	2,6-Dinitrotoluene	600	U
Benzo[a]anthracene	320	U	di-n-octyl-phthalate	600	U
Benzo[b] fluoranthene	320	U	Fluoranthene	320	U
Benzo[k] fluoranthene	320	U	Fluorene	320	U
Benzo(g,h,i) perylene	320	U	Hexachlorobenzene	420	U
Benzo[a] pyrene	320	U	Hexachlorobutadiene	600	U
Bis(2-chloroethoxy)methane	600	U	Hexachloroethane	420	U
bis(2-chloroethyl) ether	420	U	Indeno [1,2,3-cd] pyrene	320	U
bis(2-chloroisopropyl)ether	420	U	Isophorone	600	U
Bis (2-ethylhexyl) phthalate	600	U	2-Methylnaphthalene	320	U
4-bromophenyl phenyl ether	600	U	2-Methylphenol	840	U
Butyl benzyl phthalate	600	U	3+4-Methylphenol	840	U
4-Chloroaniline	600	U	Naphthalene	320	U
2-Chloronaphthalene	320	U	Nitrobenzene	600	U
2-Chlorophenol	420	U	2-Nitrophenol	840	U
Chrysene	320	U	4-Nitrophenol	840	U
Dibenz [a,h] anthracene	320	U	Pentachlorophenol	840	U
Dibenzofuran	320	U	Phenanthrene	320	U
Di-n-butyl phthalate	600	U	Phenol	840	U
1,2-Dichlorobenzene	600	U	Pyrene	320	**167 J**
1,3-Dichlorobenzene	600	U	1,2,4-Trichlorobenzene	600	U
1,4-Dichlorobenzene	420	U	2,4,5-Trichlorophenol	600	U
3,3'-Dichlorobenzidine	600	U	2,4,6-Trichlorophenol	420	U
2,4-Dichlorophenol	420	U	Acetophenone	600	U
Diethyl Phthalate	600	U	Azobenzene	600	U
2,4-Dimethylphenol	420	U			
Dimethyl Phthalate	600	U			
Aniline	600	U			

Surrogate Standard Recovery

2-Fluorophenol	63	%	d5-Phenol	71	%	d5-nitrobenzene	66	%
2-Fluorobiphenyl	71	%	2,4,6-Tribromophenol	86	%	d14-p-terphenyl	74	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270 MCP(63)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-4
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.1
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/07/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-02

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/	Result µg/kg	COMPOUND	Detection Limit µg/	Result µg/kg
Acenaphthene	290	U	2,4-dinitrophenol	760	U
Acenaphthylene	290	U	2,4-Dinitrotoluene	380	U
Anthracene	290	U	2,6-Dinitrotoluene	540	U
Benzo[a]anthracene	290	U	di-n-octyl-phthalate	540	U
Benzo[b] fluoranthene	290	U	Fluoranthene	290	U
Benzo[k] fluoranthene	290	U	Fluorene	290	U
Benzo(g,h,i) perylene	290	U	Hexachlorobenzene	380	U
Benzo[a] pyrene	290	U	Hexachlorobutadiene	540	U
Bis(2-chloroethoxy)methane	540	U	Hexachloroethane	380	U
bis(2-chloroethyl) ether	380	U	Indeno [1,2,3-cd] pyrene	290	U
bis(2-chloroisopropyl)ether	380	U	Isophorone	540	U
Bis (2-ethylhexyl) phthalate	540	U	2-Methylnaphthalene	290	U
4-bromophenyl phenyl ether	540	U	2-Methylphenol	760	U
Butyl benzyl phthalate	540	U	3+4-Methylphenol	760	U
4-Chloroaniline	540	U	Naphthalene	290	U
2-Chloronaphthalene	290	U	Nitrobenzene	540	U
2-Chlorophenol	380	U	2-Nitrophenol	760	U
Chrysene	290	U	4-Nitrophenol	760	U
Dibenz [a,h] anthracene	290	U	Pentachlorophenol	760	U
Dibenzofuran	290	U	Phenanthrene	290	**149 J**
Di-n-butyl phthalate	540	U	Phenol	760	U
1,2-Dichlorobenzene	540	U	Pyrene	290	U
1,3-Dichlorobenzene	540	U	1,2,4-Trichlorobenzene	540	U
1,4-Dichlorobenzene	380	U	2,4,5-Trichlorophenol	540	U
3,3'-Dichlorobenzidine	540	U	2,4,6-Trichlorophenol	380	U
2,4-Dichlorophenol	380	U	Acetophenone	540	U
Diethyl Phthalate	540	U	Azobenzene	540	U
2,4-Dimethylphenol	380	U			
Dimethyl Phthalate	540	U			
Aniline	540	U			

Surrogate Standard Recovery

2-Fluorophenol	66	%	d5-Phenol	75	%	d5-nitrobenzene	69	%
2-Fluorobiphenyl	75	%	2,4,6-Tribromophenol	89	%	d14-p-terphenyl	74	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270 MCP(63)

Authorized signature

SEMIVOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#	SMC 4 (%)	#	SMC 5 (%)	#	SMC 6 (%)	#
B100710AASE,,RR	57		62		61		66		78		82	
L100710AASE,,RR	62		67		67		73		88		92	
LD100710AASE,,RR	62		66		65		74		88		98	
67967-4	66		75		69		75		89		74	
67967-4,MS	69		76		75		82		91		89	
67967-4,MSD	69		75		75		84		96		95	
67967-3	63		71		66		71		86		74	
67967-2	71		81		78		87		93		76	
67967-1	62		73		72		77		88		79	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorophenol	35	105
SMC #2 =	d5-Phenol	40	100
SMC #3 =	d5-nitrobenzene	35	100
SMC #4 =	2-Fluorobiphenyl	45	105
SMC #5 =	2,4,6-Tribromophenol	40	125
SMC #6 =	d14-p-terphenyl	30	125

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

SVOA FORM 2

SEMIVOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967
Non-spiked sample: B100710AASE,,RR
Spike: L100710AASE,,RR
Spike duplicate: LD100710AASE,,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pyridine	2667	2667	13	77	25	0	1647	62		1539	58		7	
N-nitrosodimethylamine	2667	2667	20	115	25	0	1527	57		1464	55		4	
Aniline	2667	2667	60	120	25	0	1581	59	*	1677	63		6	
Phenol	5333	5333	40	100	25	0	3619	68		3622	68		0	
2-Chlorophenol	5333	5333	45	110	25	0	3290	62		3326	62		1	
bis(2-chloroethyl) ether	2667	2667	40	105	25	0	1709	64		1609	60		6	
1,3-Dichlorobenzene	2667	2667	40	100	25	0	1573	59		1573	59		0	
1,4-Dichlorobenzene	2667	2667	35	105	25	0	1603	60		1605	60		0	
1,2-Dichlorobenzene	2667	2667	45	95	25	0	1522	57		1504	56		1	
Benzyl Alcohol	2667	2667	20	125	25	0	2013	75		2069	78		3	
2-Methylphenol	5333	5333	40	105	25	0	3439	64		3456	65		0	
bis(2-chloroisopropyl)ether	2667	2667	20	115	25	0	1745	65		1732	65		1	
3+4-Methylphenol	5333	5333	40	105	25	0	3689	69		3643	68		1	
Hexachloroethane	2667	2667	35	110	25	0	1749	66		1721	65		2	
N-nitroso-di-n-propylamine	2667	2667	40	115	25	0	2023	76		1974	74		2	
Nitrobenzene	2667	2667	40	115	25	0	1692	63		1669	63		1	
Isophorone	2667	2667	45	110	25	0	1901	71		1899	71		0	
2-Nitrophenol	5333	5333	40	110	25	0	3688	69		3571	67		3	
2,4-Dimethylphenol	5333	5333	30	105	25	0	3296	62		3277	61		1	
Bis(2-chloroethoxy)methane	2667	2667	45	110	25	0	1736	65		1734	65		0	
2,4-Dichlorophenol	5333	5333	45	110	25	0	3752	70		3761	71		0	
Benzoic Acid	5333	5333	30	150	25	0	1639	31		1705	32		4	
1,2,4-Trichlorobenzene	2667	2667	45	110	25	0	1677	63		1690	63		1	
Naphthalene	2667	2667	40	105	25	0	1694	64		1703	64		1	
4-Chloroaniline	2667	2667	60	120	25	0	2093	79		2087	78		0	
Hexachlorobutadiene	2667	2667	40	115	25	0	1750	66		1720	65		2	
4-Chloro-3-methylphenol	5333	5333	45	115	25	0	4105	77		4034	76		2	
2-Methylnaphthalene	2667	2667	45	105	25	0	1807	68		1799	67		0	
Hexachlorocyclopentadiene	2667	2667	36	97	25	0	1837	69		1879	70		2	
2,4,6-Trichlorophenol	5333	5333	45	110	25	0	4024	75		4157	78		3	
2,4,5-Trichlorophenol	5333	5333	50	110	25	0	4100	77		4242	80		3	
2-Chloronaphthalene	2667	2667	45	105	25	0	1855	70		1930	72		4	
2-Nitroaniline	2667	2667	45	120	25	0	1933	72		2173	81		12	
2,6-Dinitrotoluene	2667	2667	50	110	25	0	1969	74		2090	78		6	
Dimethyl Phthalate	2667	2667	50	110	25	0	2134	80		2235	84		5	
Acenaphthylene	2667	2667	45	105	25	0	1980	74		2040	77		3	
3-Nitroaniline	2667	2667	25	110	25	0	2508	94		2622	98		4	
Acenaphthene	2667	2667	45	110	25	0	1901	71		1937	73		2	
2,4-dinitrophenol	5333	5333	15	130	25	0	3810	71		3695	69		3	
Dibenzofuran	2667	2667	50	105	25	0	1892	71		1973	74		4	
4-Nitrophenol	5333	5333	15	140	25	0	5060	95		5075	95		0	
2,4-Dinitrotoluene	2667	2667	50	115	25	0	2216	83		2257	85		2	
Fluorene	2667	2667	50	110	25	0	1949	73		1998	75		2	
Diethyl Phthalate	2667	2667	50	115	25	0	1962	74		2063	77		5	
4-Chlorophenyl phenyl ether	2667	2667	45	110	25	0	2093	78		2166	81		3	
4-Nitroaniline	2667	2667	35	115	25	0	2386	89		2587	97		8	
4,6-Dinitro-2-methylphenol	5333	5333	30	135	25	0	4441	83		4300	81		3	
n-nitrosodiphenylamine	2667	2667	50	115	25	0	2108	79		2201	83		4	
Azobenzene	2667	2667	63	115	25	0	2149	81		2180	82		1	
Biphenyl	2667	2667	60	140	25	0	1999	75		2045	77		2	
4-bromophenyl phenyl ether	2667	2667	45	115	25	0	2418	91		2343	88		3	
Hexachlorobenzene	2667	2667	45	120	25	0	2442	92		2319	87		5	
Pentachlorophenol	5333	5333	20	120	25	0	5401	101		5054	95		7	
Phenanthrene	2667	2667	50	110	25	0	2572	96		2489	93		3	

SVOA FORM 3

SEMIVOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967
Non-spiked sample: B100710AASE,,RR
Spike: L100710AASE,,RR
Spike duplicate: LD100710AASE,,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Anthracene	2667	2667	55	105	25	0	2089	78		2006	75		4	
Carbazole	5333	5333	45	115	25	0	6477	121	*	6252	117	*	4	
Di-n-butyl phthalate	2667	2667	55	110	25	0	2156	81		2097	79		3	
Fluoranthene	2667	2667	55	115	25	0	2153	81		2089	78		3	
Benzidine	5333	5333	29	187	25	0	3861	72		4617	87		18	
Pyrene	2667	2667	45	125	25	0	2272	85		2521	95		10	
Butyl benzyl phthalate	2667	2667	50	125	25	0	2380	89		2473	93		4	
Benzo[a]anthracene	2667	2667	50	110	25	0	2281	86		2324	87		2	
Chrysene	2667	2667	55	110	25	0	2384	89		2423	91		2	
3,3'-Dichlorobenzidine	5333	5333	64	113	25	0	4949	93		5270	99		6	
Bis (2-ethylhexyl) phthalate	2667	2667	45	125	25	0	2412	90		2452	92		2	
di-n-octyl-phthalate	2667	2667	40	130	25	0	2258	85		2347	88		4	
Benzo[b] fluoranthene	2667	2667	45	115	25	0	2277	85		2404	90		5	
Benzo[k] fluoranthene	2667	2667	45	125	25	0	2518	94		2648	99		5	
Benzo[a] pyrene	2667	2667	50	110	25	0	2027	76		2107	79		4	
Indeno [1,2,3-cd] pyrene	2667	2667	40	120	25	0	2294	86		2452	92		7	
Dibenz [a,h] anthracene	2667	2667	40	125	25	0	2297	86		2476	93		7	
Benzo(g,h,i) perylene	2667	2667	40	125	25	0	2232	84		2563	96		14	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

SVOA FORM 3

SEMIVOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967
Non-spiked sample: B100710AASE,,RR
Spike: L100710AASE,,RR
Spike duplicate: LD100710AASE,,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
n-Decane	2667	2667	40	140	25	0	1480	56		1490	56		1	
Acetophenone	2667	2667	40	140	25	0	1708	64		1681	63		2	
alpha-terpineol	2667	2667	40	140	25	0	2008	75		1869	70		7	
2,3-dichloroaniline	2667	2667	40	140	25	0	2030	76		2003	75		1	
Octadecane	2667	2667	40	140	25	0	2364	89		2183	82		8	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

SEMIVOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967
Non-spiked sample: 67967-4
Spike: 67967-4,MS
Spike duplicate: 67967-4,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pyridine	2878	2844	13	77	25	0	1736	60		1643	58		5	
N-nitrosodimethylamine	2878	2844	20	115	25	0	1839	64		1718	60		7	
Aniline	2878	2844	60	120	25	0	1766	61		1693	60		4	
Phenol	5755	5689	40	100	25	0	4445	77		4208	74		5	
2-Chlorophenol	5755	5689	45	110	25	0	4056	70		3856	68		5	
bis(2-chloroethyl) ether	2878	2844	40	105	25	0	2116	74		2015	71		5	
1,3-Dichlorobenzene	2878	2844	40	100	25	0	1931	67		1859	65		4	
1,4-Dichlorobenzene	2878	2844	35	105	25	0	1951	68		1860	65		5	
1,2-Dichlorobenzene	2878	2844	45	95	25	0	1857	65		1788	63		4	
Benzyl Alcohol	2878	2844	20	125	25	0	2530	88		2501	88		1	
2-Methylphenol	5755	5689	40	105	25	0	4336	75		4208	74		3	
bis(2-chloroisopropyl)ether	2878	2844	20	115	25	0	2293	80		2218	78		3	
3+4-Methylphenol	5755	5689	40	105	25	0	4461	78		4362	77		2	
Hexachloroethane	2878	2844	35	110	25	0	2050	71		1983	70		3	
N-nitroso-di-n-propylamine	2878	2844	40	115	25	0	2435	85		2407	85		1	
Nitrobenzene	2878	2844	40	115	25	0	2100	73		2031	71		3	
Isophorone	2878	2844	45	110	25	0	2294	80		2249	79		2	
2-Nitrophenol	5755	5689	40	110	25	0	4488	78		4403	77		2	
2,4-Dimethylphenol	5755	5689	30	105	25	0	4379	76		4338	76		1	
Bis(2-chloroethoxy)methane	2878	2844	45	110	25	0	2100	73		2081	73		1	
2,4-Dichlorophenol	5755	5689	45	110	25	0	4565	79		4471	79		2	
Benzoic Acid	5755	5689	30	150	25	0	330	6	*	334	6	*	1	
1,2,4-Trichlorobenzene	2878	2844	45	110	25	0	2059	72		2044	72		1	
Naphthalene	2878	2844	40	105	25	0	2046	71		2024	71		1	
4-Chloroaniline	2878	2844	60	120	25	0	2387	83		2358	83		1	
Hexachlorobutadiene	2878	2844	40	115	25	0	2116	74		2032	71		4	
4-Chloro-3-methylphenol	5755	5689	45	115	25	0	4716	82		4611	81		2	
2-Methylnaphthalene	2878	2844	45	105	25	0	2171	75		2112	74		3	
Hexachlorocyclopentadiene	2878	2844	36	97	25	0	1683	58		1664	58		1	
2,4,6-Trichlorophenol	5755	5689	45	110	25	0	4968	86		4894	86		1	
2,4,5-Trichlorophenol	5755	5689	50	110	25	0	4826	84		4967	87		3	
2-Chloronaphthalene	2878	2844	45	105	25	0	2322	81		2323	82		0	
2-Nitroaniline	2878	2844	45	120	25	0	2282	79		2356	83		3	
2,6-Dinitrotoluene	2878	2844	50	110	25	0	2365	82		2372	83		0	
Dimethyl Phthalate	2878	2844	50	110	25	0	2324	81		2309	81		1	
Acenaphthylene	2878	2844	45	105	25	0	2311	80		2291	81		1	
3-Nitroaniline	2878	2844	25	110	25	0	2719	94		2696	95		1	
Acenaphthene	2878	2844	45	110	25	0	2220	77		2197	77		1	
2,4-dinitrophenol	5755	5689	15	130	25	0	760	13	*	739	13	*	3	
Dibenzofuran	2878	2844	50	105	25	0	2312	80		2240	79		3	
4-Nitrophenol	5755	5689	15	140	25	0	4316	75		4857	85		12	
2,4-Dinitrotoluene	2878	2844	50	115	25	0	2260	79		2352	83		4	
Fluorene	2878	2844	50	110	25	0	2353	82		2264	80		4	
Diethyl Phthalate	2878	2844	50	115	25	0	1952	68		2113	74		8	
4-Chlorophenyl phenyl ether	2878	2844	45	110	25	0	2509	87		2467	87		2	
4-Nitroaniline	2878	2844	35	115	25	0	2466	86		2768	97		12	
4,6-Dinitro-2-methylphenol	5755	5689	30	135	25	0	2033	35		2211	39		8	
n-nitrosodiphenylamine	2878	2844	50	115	25	0	2361	82		2473	87		5	
Azobenzene	2878	2844	63	115	25	0	2334	81		2468	87		6	
Biphenyl	2878	2844	60	140	25	0	2487	86		2438	86		2	
4-bromophenyl phenyl ether	2878	2844	45	115	25	0	2782	97		2503	88		11	

SVOA FORM 3

SEMIVOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967
Non-spiked sample: 67967-4
Spike: 67967-4,MS
Spike duplicate: 67967-4,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Hexachlorobenzene	2878	2844	45	120	25	0	2738	95		2430	85		12	
Pentachlorophenol	5755	5689	20	120	25	0	4498	78		4466	79		1	
Phenanthrene	2878	2844	50	110	25	149	3192	106		2621	87		20	
Anthracene	2878	2844	55	105	25	0	2232	78		2017	71		10	
Carbazole	5755	5689	45	115	25	0	7114	124	*	6361	112		11	
Di-n-butyl phthalate	2878	2844	55	110	25	0	2236	78		2024	71		10	
Fluoranthene	2878	2844	55	115	25	0	2393	83		2041	72		16	
Benzidine	5755	5689	29	187	25	0	5088	88		4403	77		14	
Pyrene	2878	2844	45	125	25	0	2581	90		2565	90		1	
Butyl benzyl phthalate	2878	2844	50	125	25	0	2491	87		2511	88		1	
Benzo[a]anthracene	2878	2844	50	110	25	0	2628	91		2510	88		5	
Chrysene	2878	2844	55	110	25	0	2634	92		2627	92		0	
3,3'-Dichlorobenzidine	5755	5689	64	113	25	0	6860	119	*	6470	114	*	6	
Bis (2-ethylhexyl) phthalate	2878	2844	45	125	25	0	2661	92		2672	94		0	
di-n-octyl-phthalate	2878	2844	40	130	25	0	2440	85		2366	83		3	
Benzo[b] fluoranthene	2878	2844	45	115	25	0	2606	91		2529	89		3	
Benzo[k] fluoranthene	2878	2844	45	125	25	0	2791	97		2597	91		7	
Benzo[a] pyrene	2878	2844	50	110	25	0	2200	76		2128	75		3	
Indeno [1,2,3-cd] pyrene	2878	2844	40	120	25	0	2700	94		2576	91		5	
Dibenz [a,h] anthracene	2878	2844	40	125	25	0	2647	92		2528	89		5	
Benzo(g,h,i) perylene	2878	2844	40	125	25	0	2592	90		2439	86		6	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

SVOA FORM 3

SEMIVOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967
Non-spiked sample: 67967-4
Spike: 67967-4,MS
Spike duplicate: 67967-4,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
n-Decane	2878	2844	40	140	25	0	1826	63		1727	61		6	
Acetophenone	2878	2844	40	140	25	0	2069	72		2057	72		1	
alpha-terpineol	2878	2844	40	140	25	0	2241	78		2187	77		2	
2,3-dichloroaniline	2878	2844	40	140	25	0	2349	82		2333	82		1	
Octadecane	2878	2844	40	140	25	0	2271	79		2193	77		4	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments:

SVOA FORM 3

Instrument J

analytics environmental laboratory LLC

091710-J

IS only#: ABN S10106 EXP: 3/16/11

Tune File: ABN.u Date: 9/17/10 Loading Check: AUR

Voltage: 1953 Analyst: AUR Unloading Check: AUR

W-J-091710-1-AUR

Vial	Meth File	Sample	DF	Data File #	Comments
qq		S9599 Col. Cmd.		J35839-40	
1	tunemix	S9836 tunemix 50ng		41T	✓
2		S10096 2/4 HST		42	ok
2	SIM091710	S10119 0.05/0.1		43ST	✓
3		S10118 0.1/0.2		44	✓
4		S10117 0.2/0.4		45	✓
5		S10116 1/2		46	✓
6	ABN091710	S10115 2/4		47	✓
7		S10114 4/8		48	✓
8		S10113 10/20		49	✓
9		S10112 20/40		50	✓
10		S10111 40/80		51	✓
11		S10110 80/100		52	✓
12		S10109 100/200		53	✓
13		S10120 20/40 ICV		54	✓
14		S10121 2/4 ICV		55	✓
1	tunemix	S9836 tunemix 50ng		56T	✓
6	SIM091710	S10115 2/4		57SC	✓
9	ABN091710	S10112 20/40		58SC	✓
100		MeCl2 lot # J20501		59	✓
15		B091610SIMASE		59B ~~60B~~	✓
16		L091610SIMASE		60Q 61Q	✓ } Rec. ok but ARD's
17		LD091610SIMASE		61Q 62Q	✓
18		M091610SIMASE-1		62 ~~63~~	✓
19			-2	63	✓
20			-3	64	↑ 2-Methylnaphthalene
21			-4	65	✓
22			-5	66	✓
23			-6	67	✓
24			-7	68	✓
25		67799-1		69	✓
26		-1,MS		70SP	✓
27		-1,MSD		71SP	✓
28		-2		72	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Cont. pg. 5

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 3 11/25/09

[4]

Instrument J

Analytics environmental laboratory LLC

101410-J

ABN ~~EPH~~ ALR 10/15/10

IS only#: S10163 EXP: 4/14/11

Tune File: ABN.u Date: 10/14/10 Loading Check: ALR

Voltage: 1953 Analyst: ALR Unloading Check: ALR

W-J-101410-ALR

Vial	Meth File	Sample	DF	Data File #	Comments
99		99 99 Col. Cond.		J36191-92	
1	tunemix	S10134 tunemix	50ng	93T	✓
2	ABN091710	S10156 20/40		94SC	RN ✓
2	(AddXtrAcids)	S10156 20/40		95SC	✓ ↑ Benzoic Acid + ↑ Benzyl Alcohol
3		B101210ABN ,, RR		96B	Confirms, Bis 6.70 µg/L
4		L101210ABN ,, RR		97Q	✓
5		LD101210ABN ,, RR		98Q	✓ ↓ Caprolactam
6		67998-13 SSTOW		99	Bis 0.97 µg/L ↓
7		-14 ↓		J36200	Bis at 0.61 µg/L ↓
8		68000-2 SSTOW		01	Bis at 1.48 µg/L ↓
9		67977-20RN PATW		02	✓
10		67978-16KN ↓		03	✓
11		B100710AASE ,, RR		04B	✓
12		L100710AASE ,, RR		05Q	✓
13		LD070710AASE ,, RR		06Q	✓
14		LOD/LOQ100710AASE		07	
15		67771-2 LOD/LOQ		08	
16		-5 ↓	↓	09	
17		67772-5		10	
18		-6 ↓	↓	11	
19	67958-1	~~67959-1~~	625	12	✓
20	67959-1	~~67960-1~~	↓	13	↓ Acid Surr.
21	67960-1	~~67993-1~~	↓	14	Bis 33.91 µg/L
22		67993-1 ,, RN	Bis only	15	✓
23		67967-4 SSTOASE		16	✓
24		-4, MS		17SP	✓
25		-4, MSD		18SP	✓ ↓ failures due to matrix
26		-3		19	✓
27		-2		20	✓
28		-1 ↓		21	✓
29		67995-1 625		22	✓
30		67957-1 625	2	23	✓

Rev
Rev

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

SEMIVOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967
DFTPP File ID: J35841T.D
DFTPP Injection Date: 09/17/10
DFTPP Injection Time: 22:49

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10115 2/4	J35847SI.D	9/18/10 1:01
S10114 4/8	J35848SI.D	9/18/10 1:22
S10113 10/20	J35849SI.D	9/18/10 1:43
S10112 20/40	J35850SI.D	9/18/10 2:04
S10111 40/80	J35851SI.D	9/18/10 2:25
S10110 50/100	J35852SI.D	9/18/10 2:46
S10109 100/200	J35853SI.D	9/18/10 3:07
S10120 20/40 ICV	J35854.D	9/18/10 3:28

Refer to the DFTPP report J35841T.D for ion ratio evaluation.

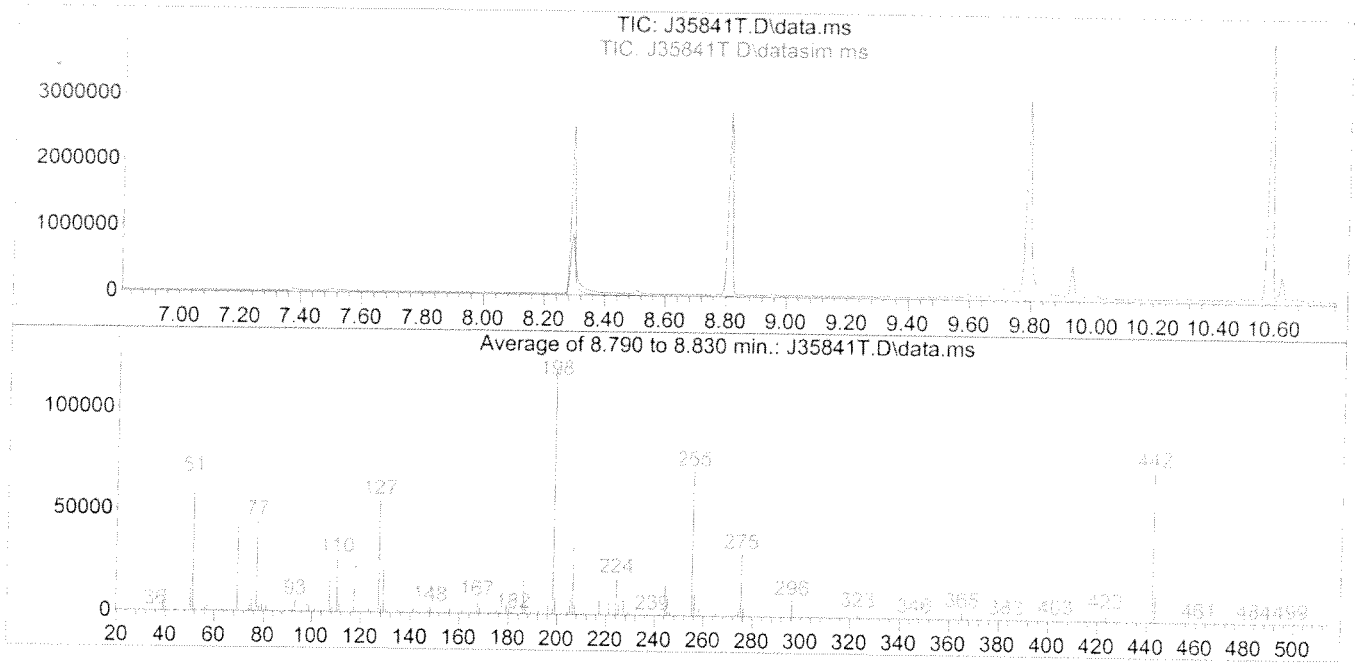
SVOA FORM 5

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIX.M
Title : ABN FULL SCAN
Last Update : Wed Sep 15 23:56:57 2010

MV 9/18/10



Spectrum Information: Average of 8.790 to 8.830 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.4	65631	PASS
68	69	0.00	2	0.0	10	PASS
69	198	0.00	100	35.9	43354	PASS
70	69	0.00	2	0.6	243	PASS
127	198	40	60	45.7	55151	PASS
197	198	0.00	1	0.0	3	PASS
198	198	100	100	100.0	120631	PASS
199	198	5	9	6.8	8242	PASS
275	198	10	30	25.4	30639	PASS
365	198	1	100	2.9	3446	PASS
441	443	0.01	100	6.9	917	PASS
442	198	40	100	61.1	73663	PASS
443	442	17	23	18.2	13379	PASS

J912010

9/18/10

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35841T.D**
Date Acquired **9/17/2010 22:49**

Name	Target Response
Pentachlorophenol	375964.00
Benzidine	1465270.00
DDE	1676.00
DDD	24137
DDT	852693

(0% - 20%)

%DDT BREAKDOWN = 2.94% **OK** ✓

392010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	8.294	266	375964	25.71 ug/ml	99
2) DFTPP	8.812	198	326277	27.01 ug/ml	97
3) Benzidine	9.792	184	1465270	23.68 ug/ml	99
4) DDE	9.973	246	1676	1.14 ug/ml	99
5) DDD	10.293	235	24137	1.50 ug/ml#	71
6) DDT	10.586	235	852693	27.79 ug/ml	99

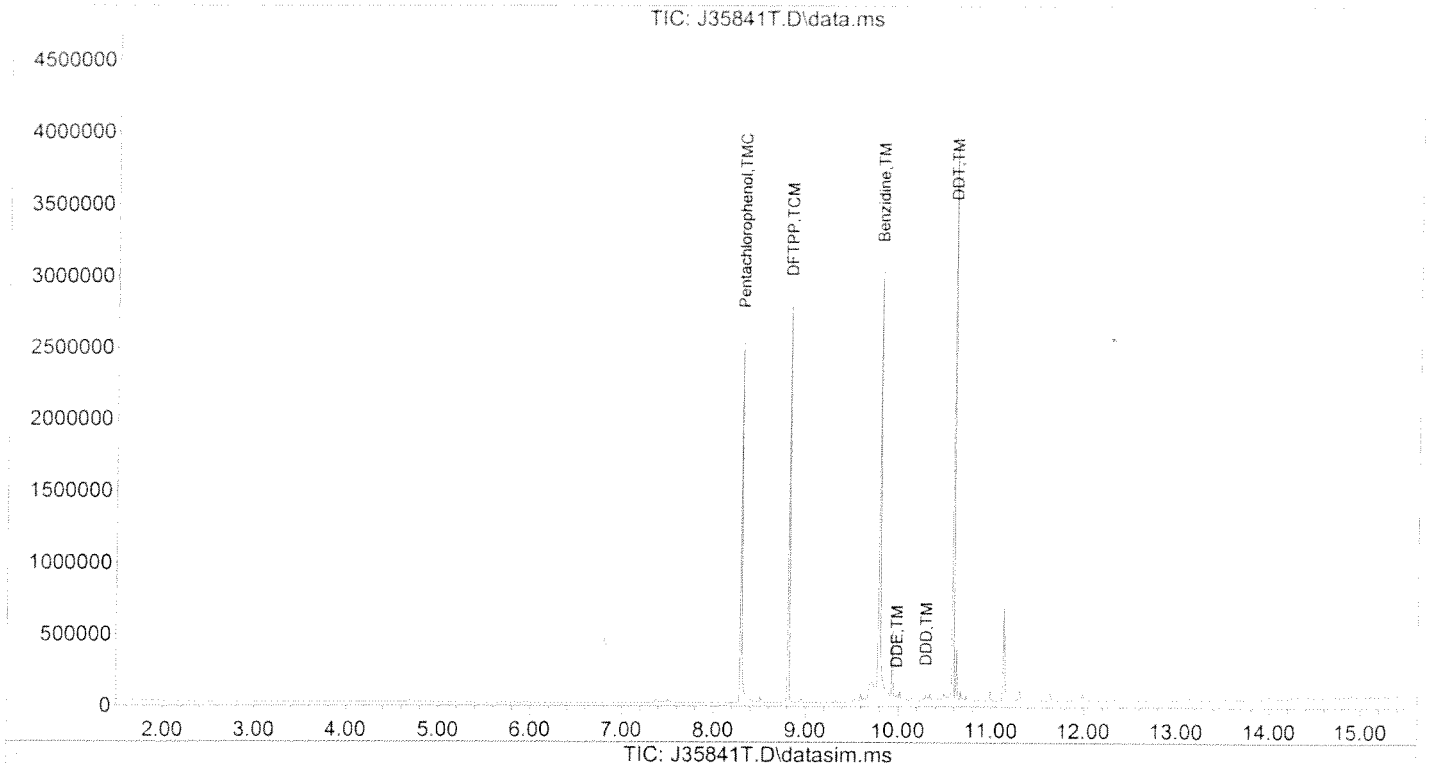
(#) = qualifier out of range (m) = manual integration (+) = signals summed

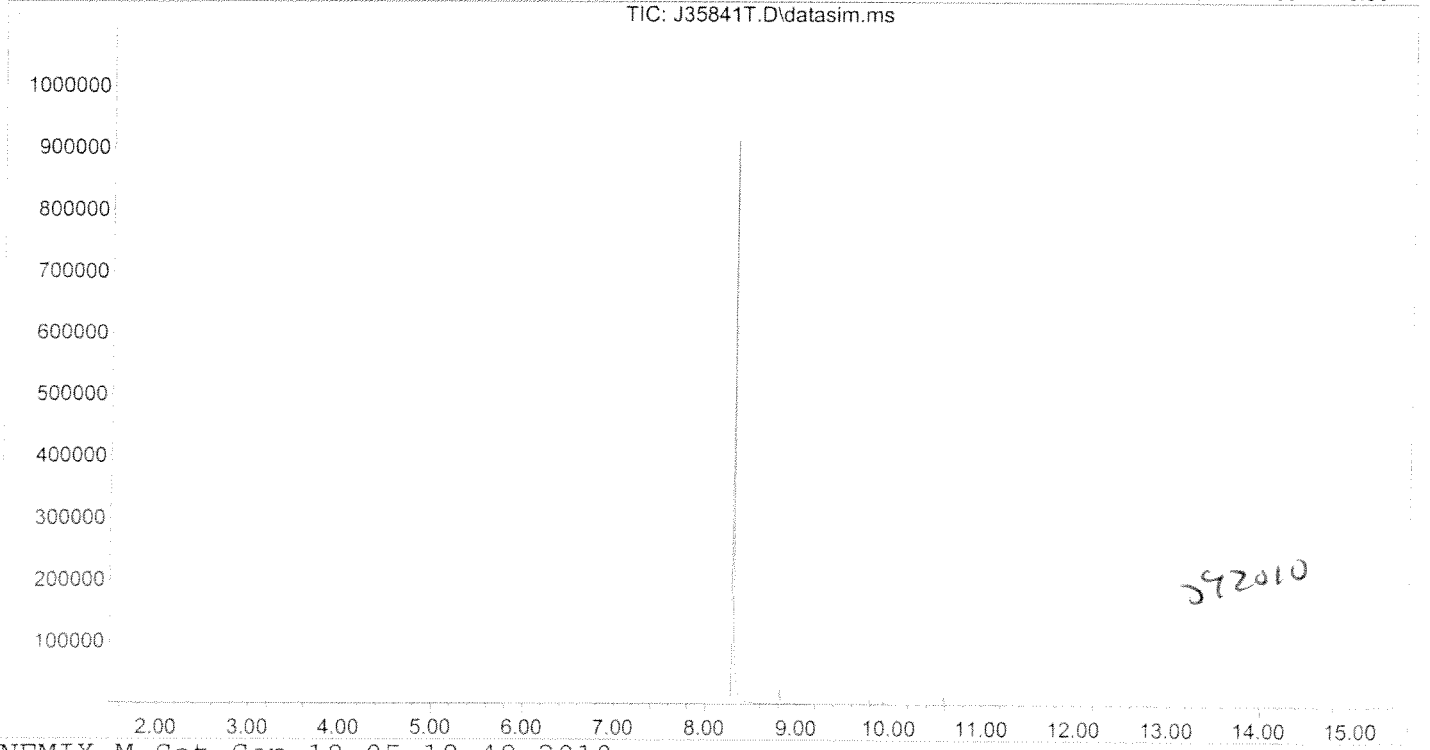
9/2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10



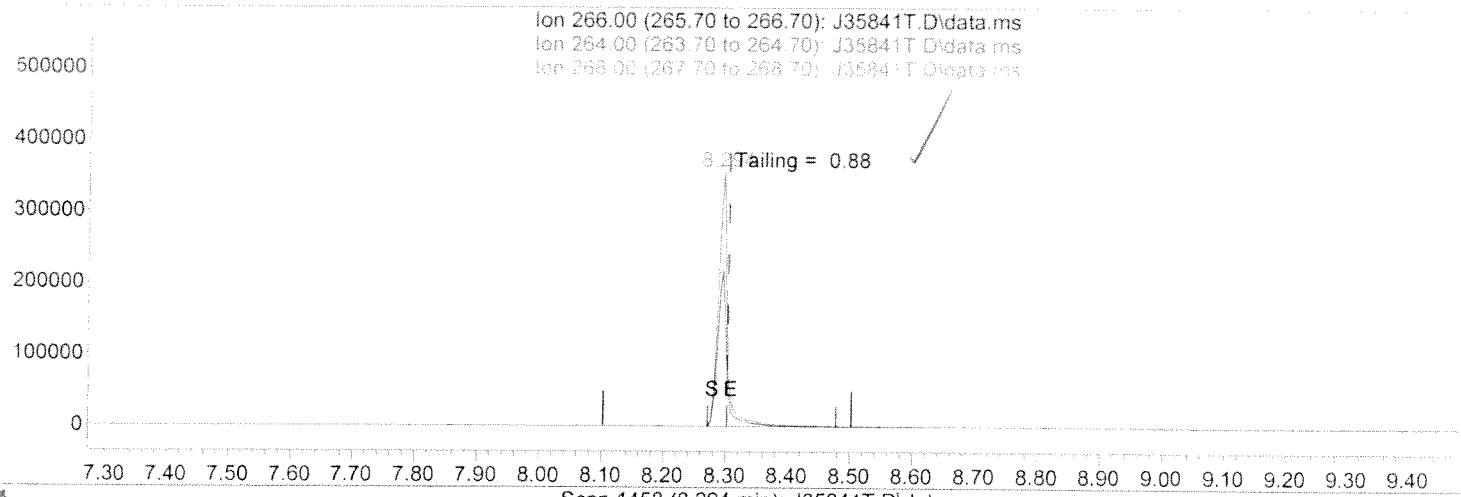


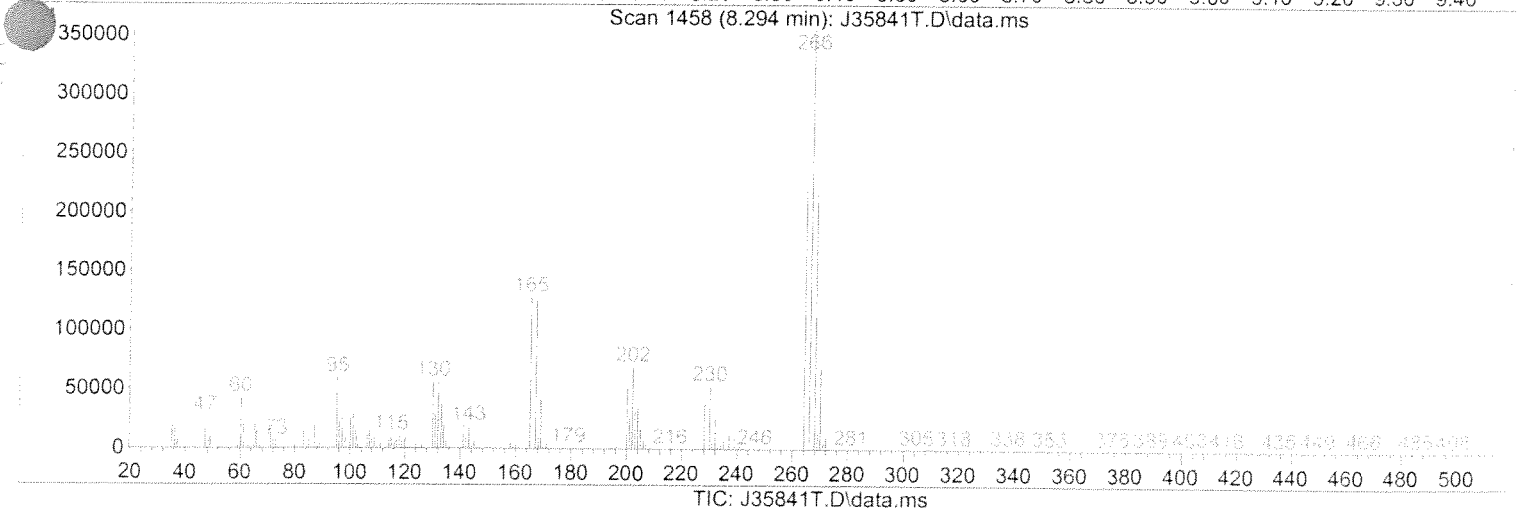
J92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10





(1) Pentachlorophenol (TMC)

8.294min (-0.009) 25.71ug/ml

response 375964

Ion	Exp%	Act%
266.00	100	100
264.00	62.10	62.66
268.00	59.70	61.00
0.00	0.00	0.00

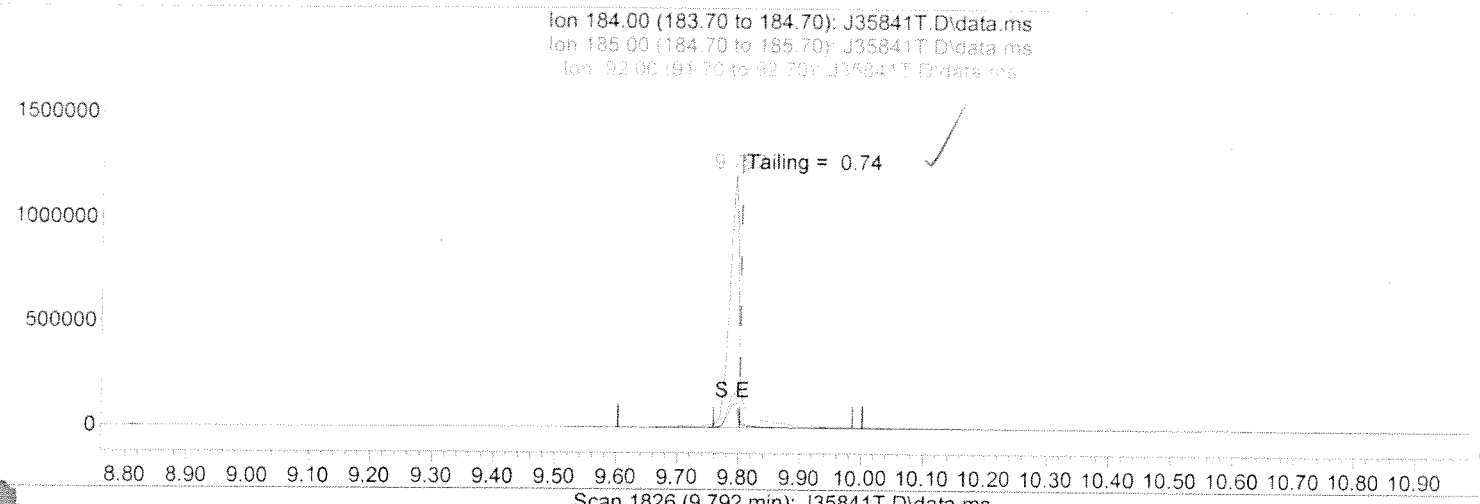
3/92010

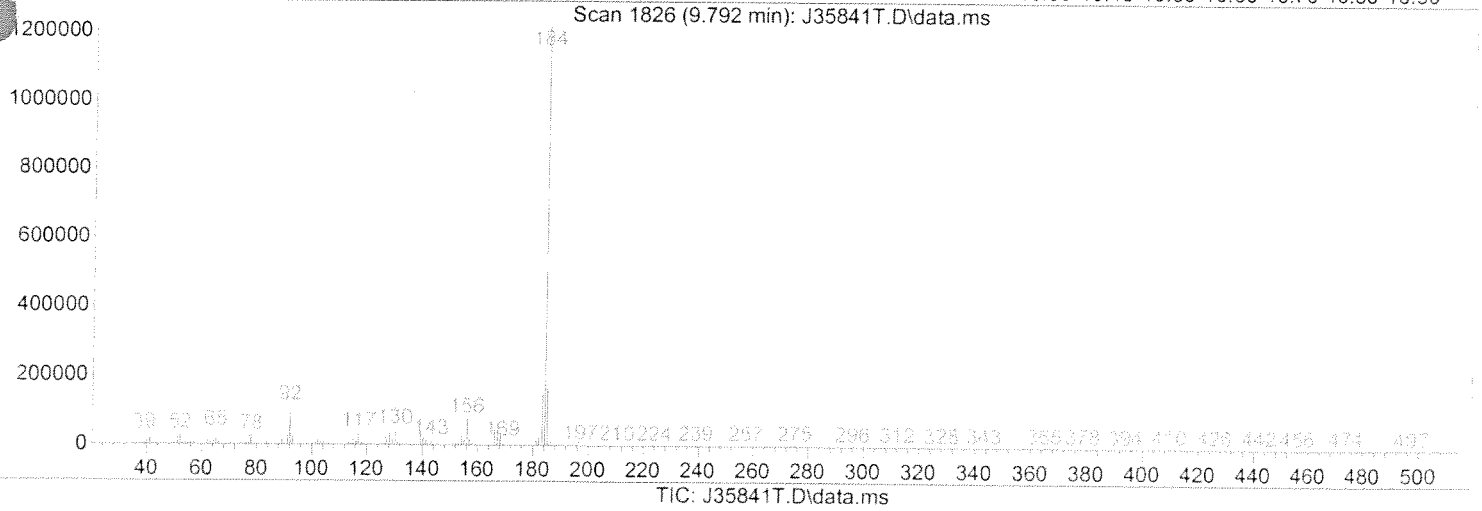
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10





(3) Benzidine (TM)

9.792min (-0.011) 23.68ug/ml

response 1465270

Ion	Exp%	Act%
184.00	100	100
185.00	12.90	13.24
92.00	9.10	9.25
0.00	0.00	0.00

3 92010

SEMIVOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967
DFTPP File ID: J36193T.D
DFTPP Injection Date: 10/15/10
DFTPP Injection Time: 3:25

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10156 20/40	J36195SC.D	10/15/10 4:13
B100710AASE,,RR	J36204B.D	10/15/10 7:42
L100710AASE,,RR	J36205Q.D	10/15/10 8:03
LD100710AASE,,RR	J36206Q.D	10/15/10 8:24
67967-4	J36216.D	10/15/10 11:56
67967-4,MS	J36217SP.D	10/15/10 12:16
67967-4,MSD	J36218SP.D	10/15/10 12:37
67967-3	J36219.D	10/15/10 12:58
67967-2	J36220.D	10/15/10 13:19
67967-1	J36221.D	10/15/10 13:40

Refer to the DFTPP report J36193T.D for ion ratio evaluation.

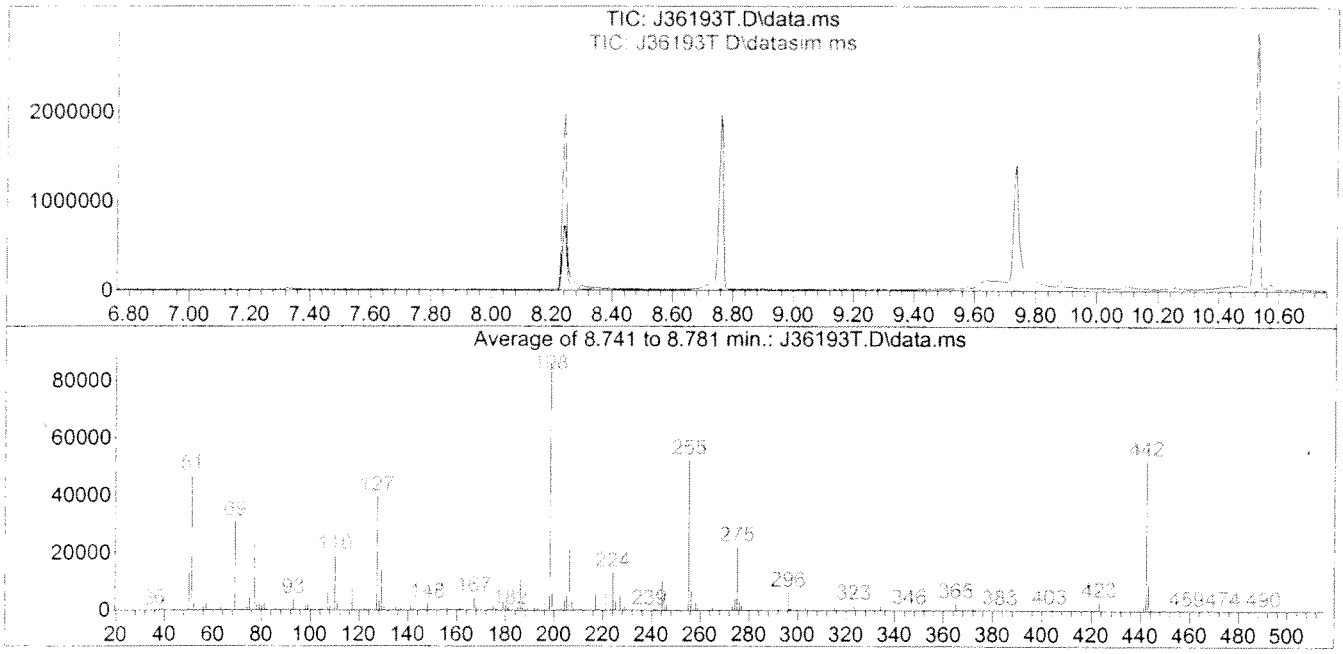
SVOA FORM 5

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIX.M
Title : ABN FULL SCAN
Last Update : Tue Sep 28 04:55:57 2010

10/17/10



Spectrum Information: Average of 8.741 to 8.781 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.5	46966	PASS
68	69	0.00	2	0.1	30	PASS
69	198	0.00	100	36.0	31052	PASS
70	69	0.00	2	0.5	154	PASS
127	198	40	60	46.0	39651	PASS
197	198	0.00	1	0.0	9	PASS
198	198	100	100	100.0	86222	PASS
199	198	5	9	7.0	6035	PASS
275	198	10	30	25.7	22175	PASS
365	198	1	100	3.0	2594	PASS
441	443	0.01	100	19.7	1832	PASS
442	198	40	100	60.6	52230	PASS
443	442	17	23	17.8	9310	PASS

3101810

10/14/10

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S10134 TUNEMIX 50NG**
Data File Name **J36193T.D**
Date Acquired **10/15/2010 3:25**

Name	Target Response
Pentachlorophenol	298350.00
Benzidine	842465.00
DDE	231.00
DDD	152
DDT	626276

(0% - 20%)

%DDT BREAKDOWN = 0.06% **OK** ✓

J101810

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration

10/17/10

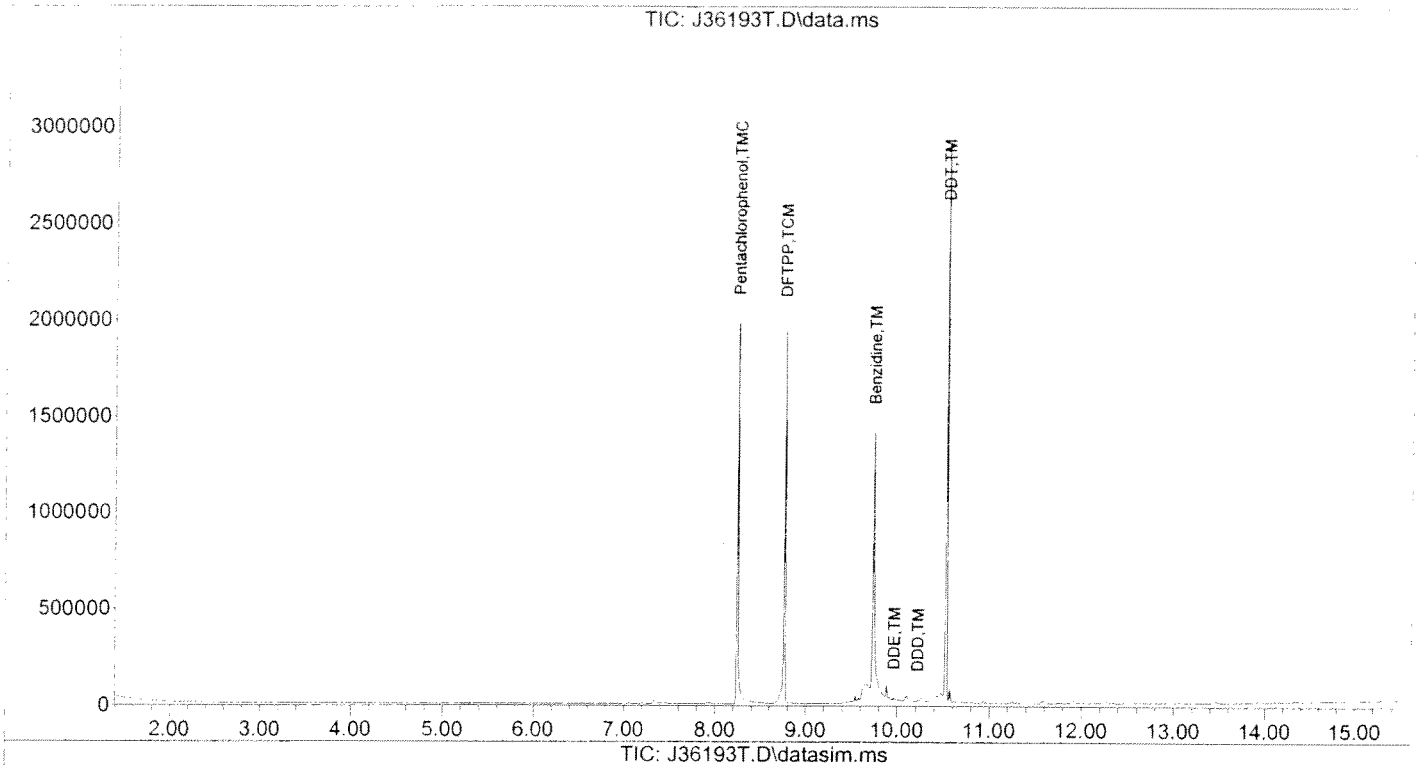
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	8.241	266	296299	20.26 ug/ml	100
2) DFTPP	8.759	198	250987	20.78 ug/ml	100
3) Benzidine	9.736	184	817938	13.22 ug/ml	99
4) DDE	9.970	246	231	0.16 ug/ml	100
5) DDD	10.219	235	152	0.01 ug/ml#	1
6) DDT	10.525	235	626416	20.41 ug/ml	100

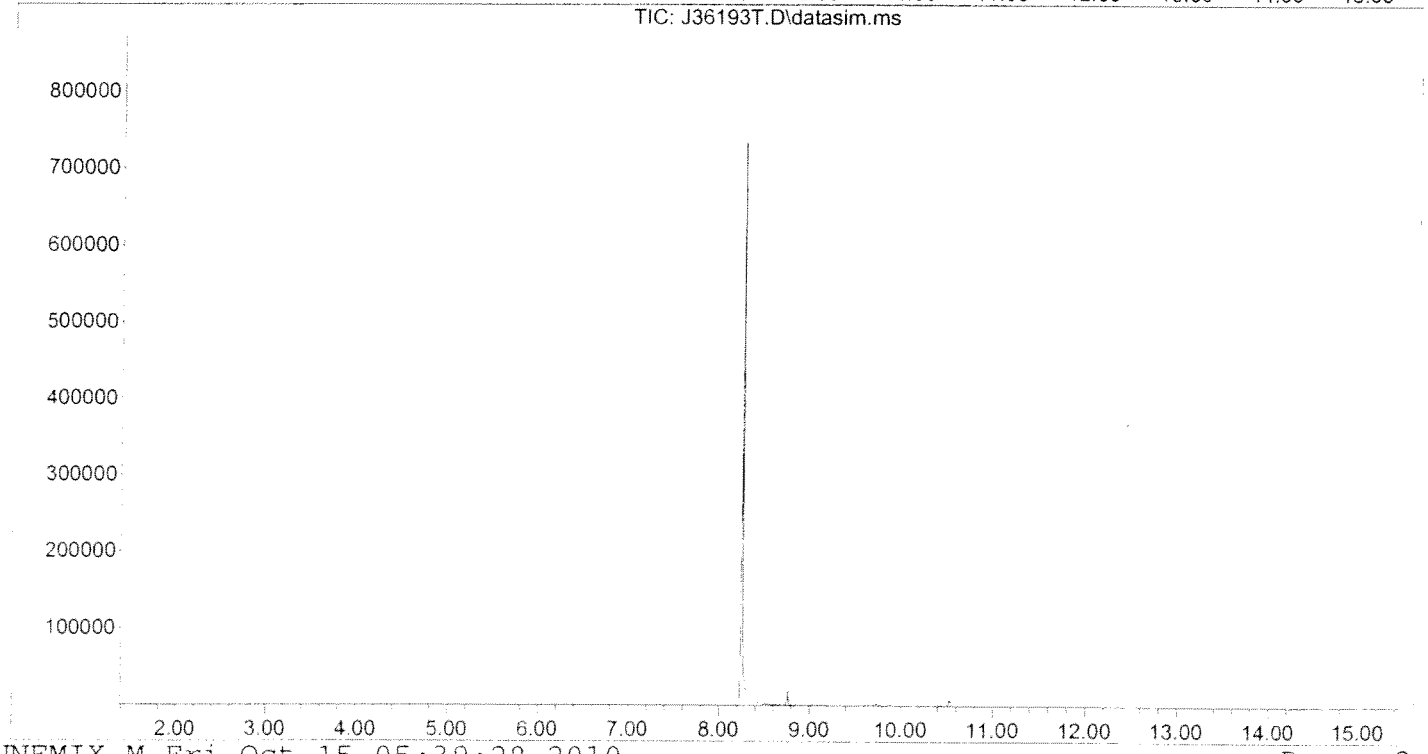
(#) = qualifier out of range (m) = manual integration (+) = signals summed

5101910

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration

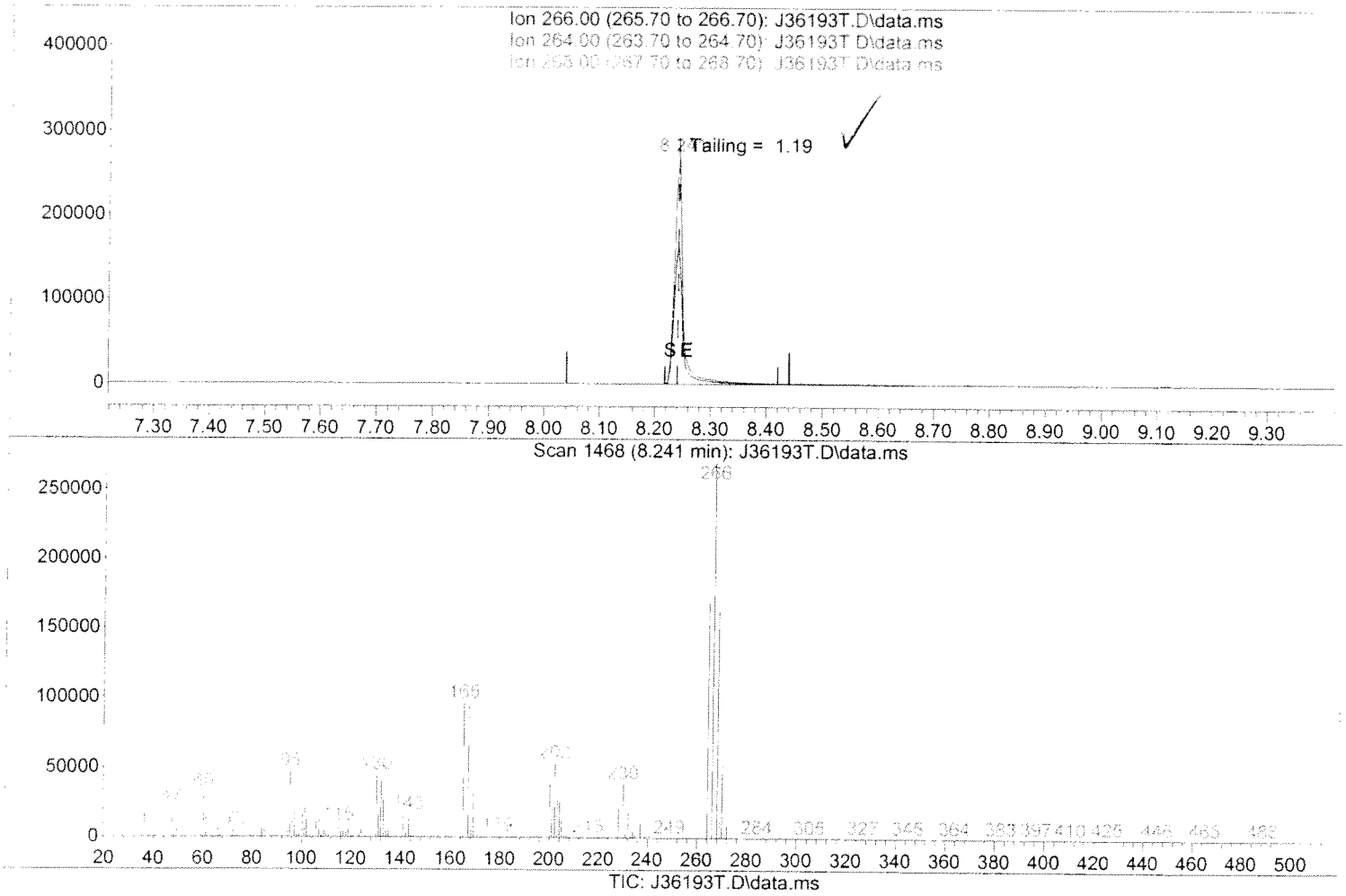




Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

10/17/10

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration



(1) Pentachlorophenol (TMC)

8.241min (0.000) 20.26ug/ml

response 296299

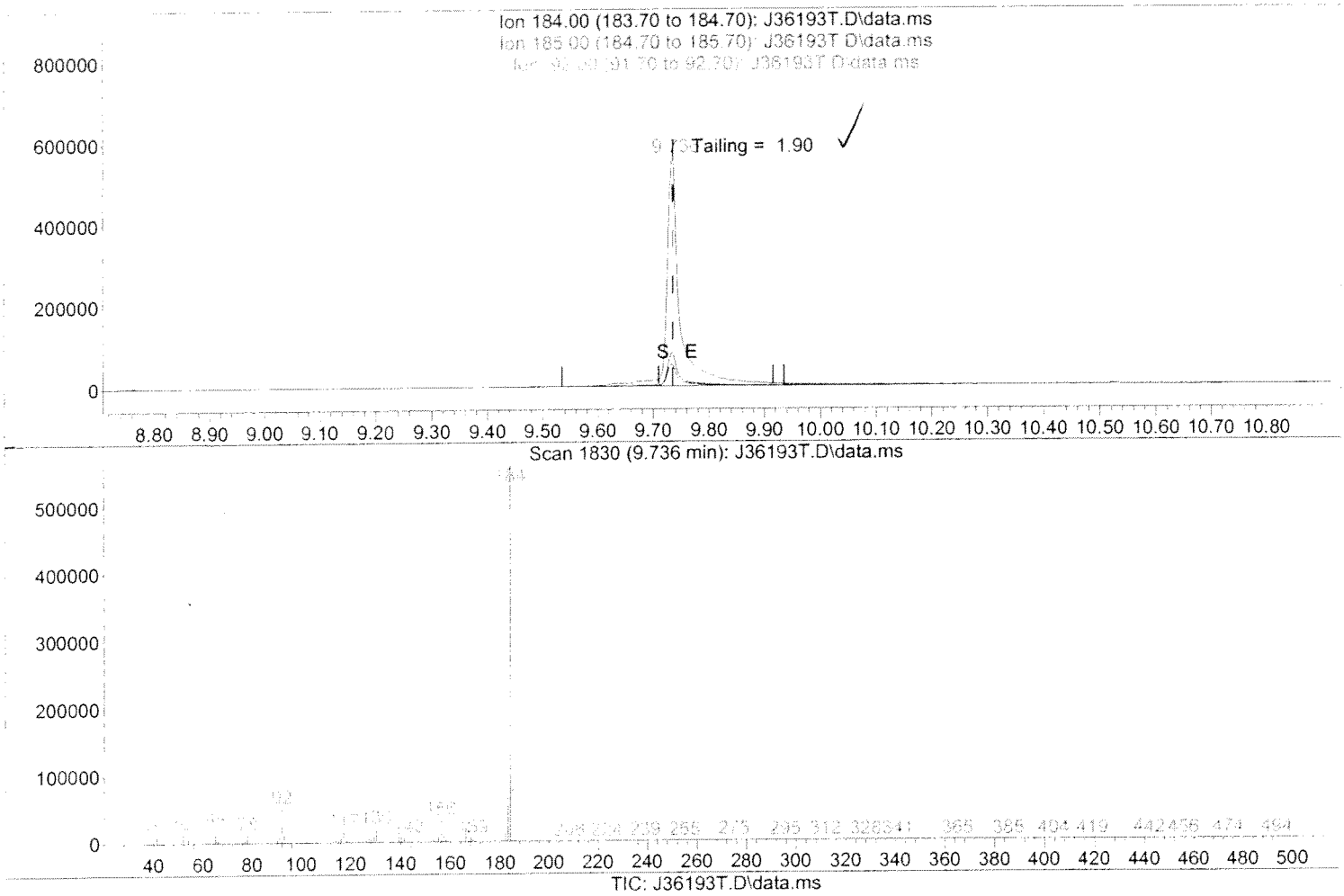
Ion	Exp%	Act%
266.00	100	100
264.00	63.20	63.17
268.00	61.30	61.35
0.00	0.00	0.00

3101810

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

10/17/10

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration



(3) Benzidine (TM)

9.736min (0.000) 13.22ug/ml

response 817938

Ion	Exp%	Act%
184.00	100	100
185.00	14.60	14.47
92.00	9.50	9.80
0.00	0.00	0.00

J101810

Method Path : C:\msdchem\1\METHODS\
Method File : ABN091710.M
Title : ABN FULL SCAN
Last Update : Sat Sep 18 04:59:49 2010
Response Via : Initial Calibration

9/18/10

Calibration Files
2 =J35847SI.D 4 =J35848SI.D 10 =J35849SI.D 20 =J35850SI.D 40 =J35851SI.D 50 =J35852SI.D
100 =J35853SI.D

		Compound	2	4	10	20	40	50	100	Avg	%RSD
1)	I	d4-1,4-dichloroben...	----------ISTD----------								
2)	TM	Pyridine	1.225	1.254	1.295	1.326	1.332	1.355	1.328	1.302	3.61
3)	TM	N-nitrosodimet...	0.643	0.688	0.705	0.720	0.739	0.741	0.721	0.708	4.85
4)	S	2-Fluorophenol	1.146	1.175	1.188	1.206	1.192	1.180	1.100	1.170	3.08
5)	S	d5-Phenol	1.419	1.463	1.440	1.409	1.328	1.300	1.198	1.365	6.91
6)	TM	Aniline	1.944	1.931	1.905	1.883	1.796	1.772	1.678	1.844	5.34
7)	TMC	Phenol	1.481	1.511	1.484	1.435	1.351	1.326	1.215	1.400	7.68
8)	TM	2-Chlorophenol	1.321	1.314	1.296	1.245	1.186	1.168	1.065	1.228	7.65
9)	TM	bis(2-chloroet...	1.138	1.092	1.177	1.219	1.244	1.267	1.131	1.181	5.48
10)	TM	1,3-Dichlorobe...	1.631	1.675	1.632	1.614	1.575	1.530	1.419	1.582	5.41
11)	TMC	1,4-Dichlorobe...	1.584	1.572	1.536	1.554	1.492	1.487	1.371	1.514	4.82
12)	TM	1,2-Dichlorobe...	1.548	1.617	1.584	1.559	1.520	1.498	1.390	1.531	4.80
13)	TM	Benzyl Alcohol	0.520	0.630	0.682	0.689	0.714	0.711	0.722	0.667	10.74
14)	TM	2-Methylphenol	1.096	1.144	1.041	1.036	0.927	0.916	0.827	0.998	11.21
15)	TM	bis(2-chlorois...	3.031	3.041	2.739	2.527	2.166	2.013	1.783	2.471	20.16 Q
16)	TM	3+4-Methylphenol	1.060	1.132	1.066	1.035	0.878	0.852	0.834	0.980	12.35
17)	TM	Hexachloroethane	0.588	0.585	0.564	0.542	0.447	0.403	0.424	0.508	15.73 Q
18)	TMP	N-nitroso-di-n...	0.715	0.702	0.721	0.726	0.680	0.628	0.545	0.674	9.78
19)	I	d8-Naphthalene	----------ISTD----------								
20)	S	d5-nitrobenzene	0.380	0.377	0.369	0.345	0.327	0.322	0.297	0.345	9.15
21)	TM	Nitrobenzene	0.207	0.209	0.207	0.192	0.185	0.183	0.165	0.193	8.45
22)	TM	Isophorone	0.652	0.685	0.687	0.642	0.638	0.624	0.567	0.642	6.36
23)	TCM	2-Nitrophenol	0.234	0.244	0.252	0.237	0.222	0.217	0.193	0.228	8.56
24)	TM	2,4-Dimethylph...	0.394	0.401	0.414	0.377	0.354	0.348	0.319	0.372	9.08
25)	TM	Bis(2-chloroet...	0.448	0.443	0.455	0.444	0.430	0.429	0.401	0.436	4.11
26)	TCM	2,4-Dichloroph...	0.373	0.370	0.387	0.350	0.323	0.318	0.285	0.344	10.60
27)	TM	Benzoic Acid	0.104	0.120	0.176	0.194	0.229	0.231	0.246	0.186	30.10 Q
28)	TM	1,2,4-Trichlor...	0.463	0.444	0.445	0.415	0.397	0.391	0.358	0.416	8.88
29)	TM	Naphthalene	1.147	1.162	1.106	1.084	1.031	1.011	0.887	1.061	8.94
30)	T	2,6-Dichloroph...	0.345	0.349	0.320	0.312	0.292	0.285	0.250	0.308	11.36

J92010

Method Path : C:\msdchem\1\METHODS\
Method File : ABN091710.M
Title : ABN FULL SCAN

31)	TM	4-Chloroaniline	0.517	0.534	0.502	0.477	0.413	0.393	0.329	0.452	16.72 Q
32)	TCM	Hexachlorobuta...	0.259	0.267	0.254	0.249	0.235	0.228	0.205	0.242	8.83
33)	TMC	4-Chloro-3-met...	0.319	0.336	0.322	0.312	0.289	0.281	0.249	0.301	9.91
34)	TM	2-Methylnaphth...	0.718	0.698	0.664	0.661	0.606	0.588	0.518	0.636	10.94
35)	I	d10-Acenaphthene	----------ISTD----------								
36)	TPM	Hexachlorocycl...	0.224	0.301	0.367	0.408	0.407	0.404	0.368	0.354	19.37 Q
37)	TCM	2,4,6-Trichlor...	0.440	0.464	0.444	0.443	0.406	0.389	0.359	0.421	8.81
38)	TM	2,4,5-Trichlor...	0.518	0.520	0.526	0.513	0.469	0.448	0.373	0.481	11.64
39)	S	2-Fluorobiphenyl	1.506	1.515	1.387	1.330	1.174	1.105	0.940	1.280	16.81 Q
40)	TM	2-Chloronaphth...	1.408	1.340	1.258	1.202	1.074	1.023	0.901	1.172	15.47 Q
41)	TM	2-Nitroaniline	0.485	0.522	0.539	0.558	0.542	0.532	0.487	0.524	5.33
42)	TM	2,6-Dinitrotol...	0.330	0.360	0.366	0.370	0.327	0.313	0.277	0.335	9.97
43)	TM	Dimethyl Phtha...	1.662	1.675	1.586	1.596	1.448	1.401	1.255	1.517	10.22
44)	TM	Acenaphthylene	2.159	2.151	1.990	1.980	1.792	1.689	1.449	1.887	13.75
45)	TM	3-Nitroaniline	0.336	0.364	0.305	0.283	0.270	0.261	0.248	0.295	14.29
46)	TMC	Acenaphthene	1.318	1.343	1.261	1.226	1.149	1.078	0.933	1.187	12.22
47)	TPM	2,4-dinitrophenol	0.029	0.075	0.146	0.182	0.212	0.212	0.207	0.152	48.19 Q
48)	TM	Dibenzofuran	2.095	2.190	2.104	2.006	1.844	1.756	1.518	1.930	12.31
49)	TMP	4-Nitrophenol	0.123	0.153	0.173	0.178	0.168	0.163	0.150	0.158	11.77
50)	TM	2,4-Dinitrotol...	0.446	0.472	0.464	0.444	0.404	0.396	0.357	0.426	9.78
51)	T	2,3,4,6-Tetrac...	0.381	0.413	0.418	0.405	0.385	0.371	0.333	0.387	7.53
52)	TM	Fluorene	1.645	1.628	1.550	1.437	1.322	1.276	1.092	1.421	14.33
53)	TM	Diethyl Phthalate	1.652	1.625	1.551	1.493	1.331	1.268	1.114	1.433	14.01
54)	TM	4-Chlorophenyl...	0.821	0.805	0.778	0.724	0.678	0.631	0.520	0.708	15.19 Q
55)	TM	4-Nitroaniline	0.255	0.185	0.244	0.283	0.322	0.320	0.288	0.271	17.79 Q
56)	TM	4,6-Dinitro-2-...	0.145	0.213	0.268	0.282	0.290	0.274	0.254	0.246	20.85 Q
57)	TCM	n-nitrosodiphe...	1.150	1.174	1.123	1.064	0.958	0.935	0.802	1.030	13.22
58)	TM	Azobenzene	1.324	1.362	1.315	1.234	1.219	1.175	0.978	1.230	10.51
59)	TM	Biphenyl	1.685	1.693	1.563	1.490	1.267	1.189	1.015	1.415	18.50 Q
60)	S	2,4,6-Tribromo...	0.203	0.230	0.224	0.223	0.219	0.212	0.195	0.215	5.78
61)	I	d10-Phenanthrene	----------ISTD----------								
62)	TM	4-bromophenyl ...	0.273	0.285	0.283	0.269	0.260	0.249	0.234	0.265	6.95
63)	TM	Hexachlorobenzene	0.308	0.303	0.293	0.278	0.281	0.270	0.251	0.283	6.95
64)	TMC	Pentachlorophenol	—	0.145	0.170	0.174	0.178	0.177	0.163	0.168	7.28
65)	TM	Phenanthrene	1.278	1.278	1.204	1.149	1.117	1.090	1.011	1.161	8.54
66)	TM	Anthracene	1.342	1.338	1.274	1.203	1.122	1.087	0.986	1.193	11.29
67)	TM	Carbazole	1.134	1.033	0.802	0.697	0.659	0.651	0.669	0.806	24.55 Q
68)	TM	Di-n-butyl pht...	1.522	1.553	1.521	1.427	1.356	1.299	1.202	1.411	9.33
69)	TCM	Fluoranthene	1.455	1.504	1.399	1.281	1.194	1.151	1.055	1.291	12.99

PK 9/18/10

JJ 9.20.10

Response Factor Report Instrument J

Method Path : C:\msdchem\1\METHODS\
Method File : ABN091710.M
Title : ABN FULL SCAN

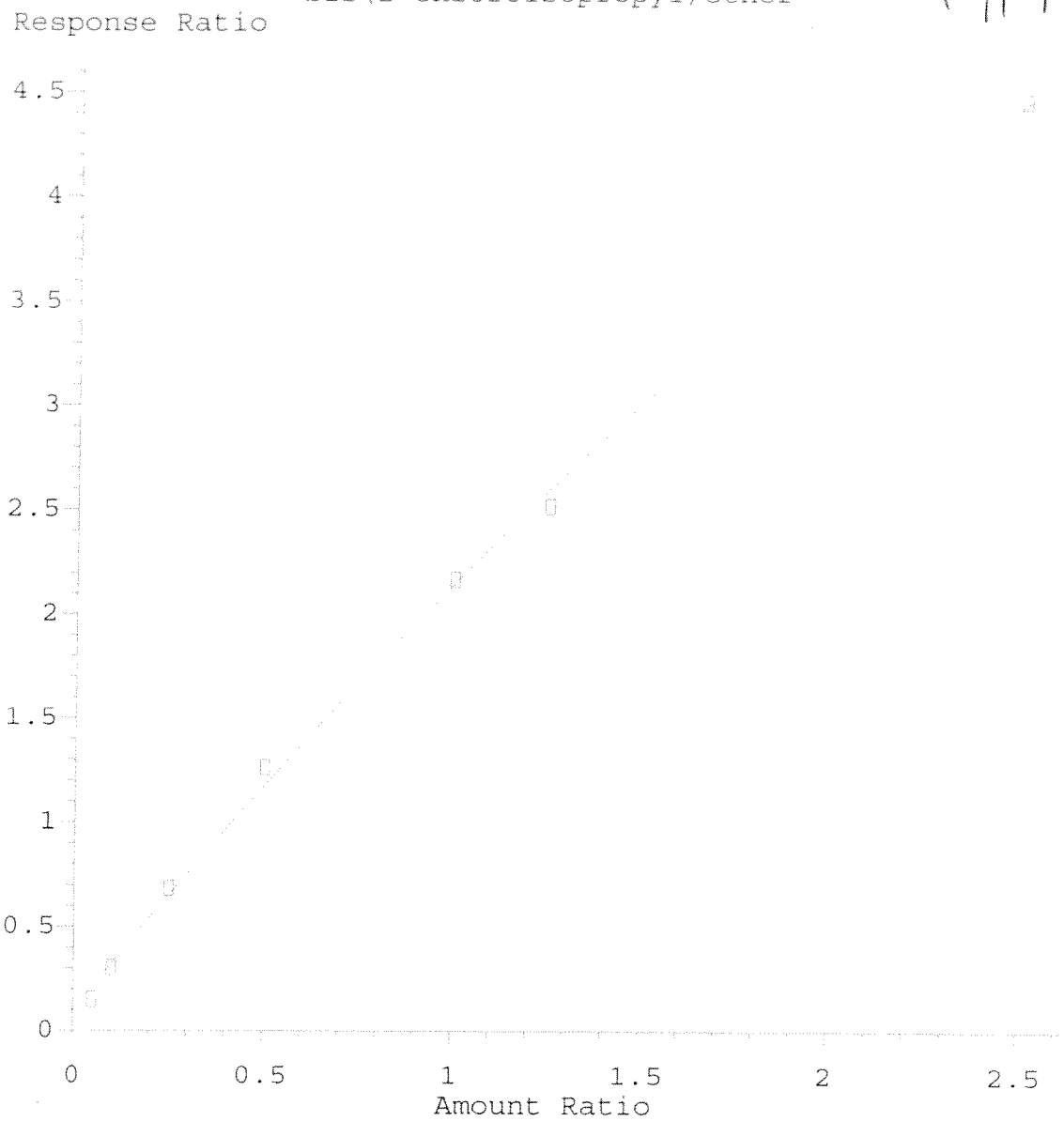
70)	TM	Benzidine	0.160	0.188	0.230	0.263	0.261	0.238	0.165	0.215	20.35
71)	I	d12-Chrysene	----------ISTD----------								
72)	TM	Pyrene	1.422	1.458	1.374	1.338	1.278	1.245	1.210	1.332	6.94
73)	S	d14-p-terphenyl	0.805	0.814	0.751	0.714	0.693	0.671	0.648	0.728	8.85
74)	TM	Butyl benzyl p...	0.628	0.657	0.652	0.652	0.637	0.625	0.596	0.635	3.36
75)	TM	Benzo[a]anthra...	1.178	1.195	1.105	1.108	1.087	1.088	1.060	1.117	4.47
76)	TM	Chrysene	1.171	1.184	1.129	1.117	1.105	1.075	1.039	1.117	4.54
77)	TM	3,3'-Dichlorob...	0.335	0.341	0.296	0.282	0.269	0.266	0.260	0.293	11.38
78)	TM	Bis (2-ethylhe...	0.820	0.856	0.836	0.829	0.806	0.799	0.753	0.814	4.05
79)	I	d12-Perylene	----------ISTD----------								
80)	TCM	di-n-octyl-pht...	1.533	1.598	1.599	1.549	1.498	1.441	1.316	1.505	6.66
81)	TM	Benzo[b] fluor...	1.240	1.217	1.215	1.125	1.150	1.179	1.343	1.210	5.90
82)	TM	Benzo[k] fluor...	1.271	1.283	1.177	1.185	1.019	1.018	0.720	1.096	17.99 Q
83)	TCM	Benzo[a] pyrene	1.225	1.243	1.221	1.165	1.134	1.104	1.041	1.162	6.37
84)	TM	Indeno [1,2,3-...	0.866	0.932	0.978	0.958	1.002	1.066	0.948	0.964	6.39
85)	TM	Dibenz [a,h] a...	1.010	1.032	1.015	0.976	0.978	1.008	0.868	0.984	5.56
86)	TM	Benzo(g,h,i) ...	1.154	1.125	1.086	1.027	1.017	1.073	0.889	1.053	8.30

(#) = Out of Range

9/18/10

092010

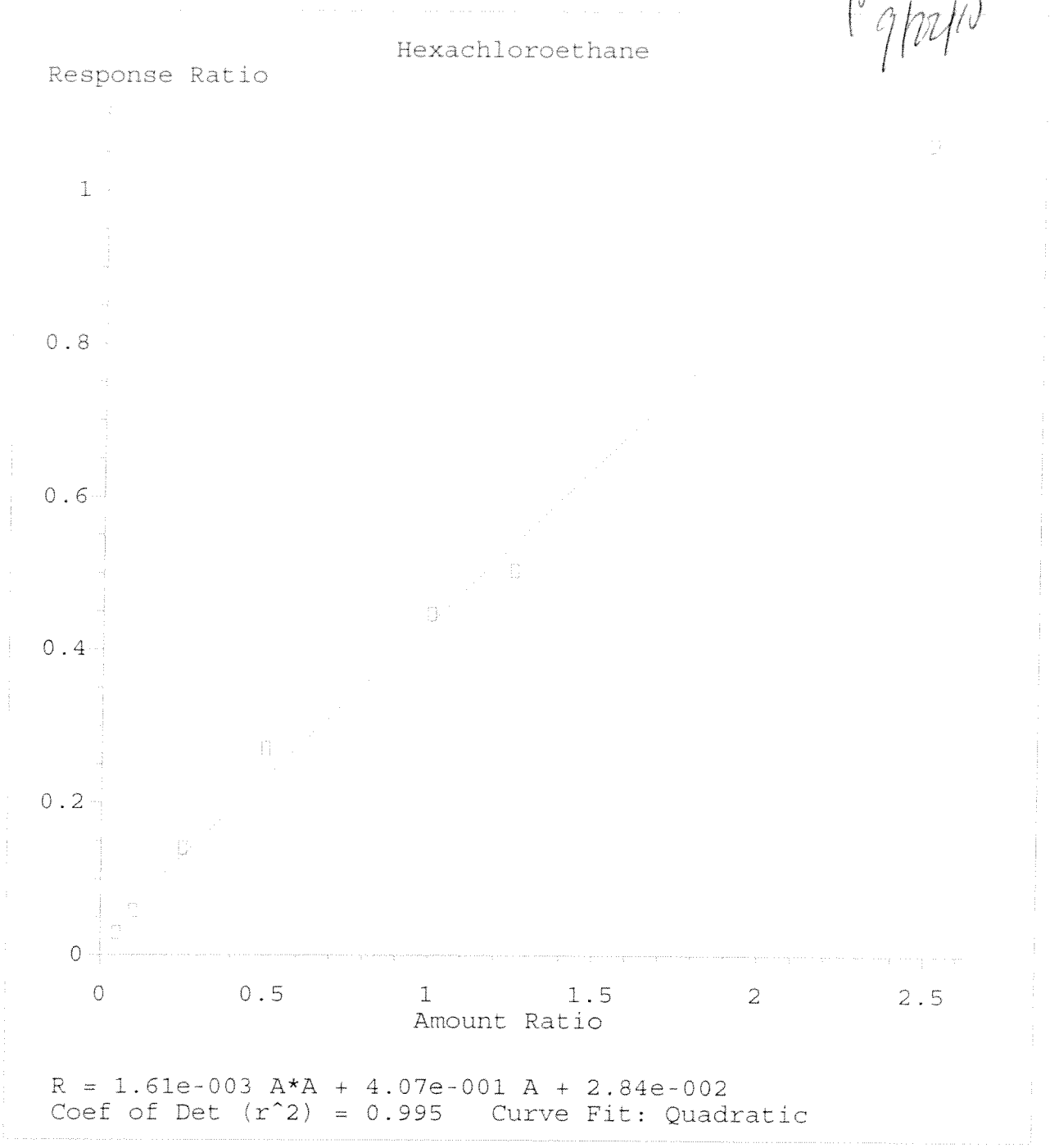
bis(2-chloroisopropyl)ether



R = -2.08e-001 A*A + 2.26e+000 A + 9.77e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 04:59:49 2010

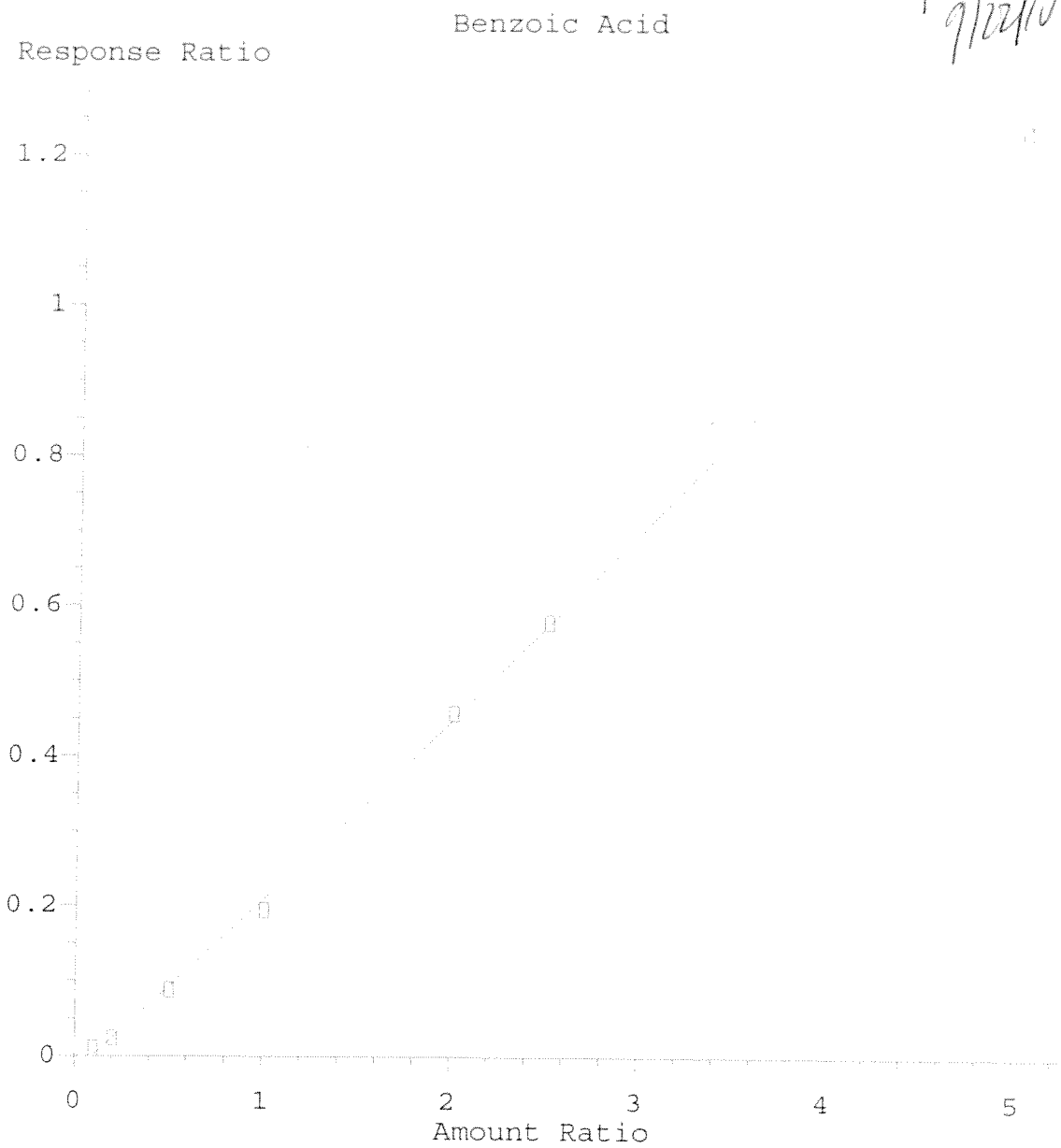
PN 9/22/10



Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:05:35 2010

DJ 92210

AN 9/22/10



R = 5.05e-003 A*A + 2.26e-001 A - 2.19e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:05:44 2010

S92210

9/22/10

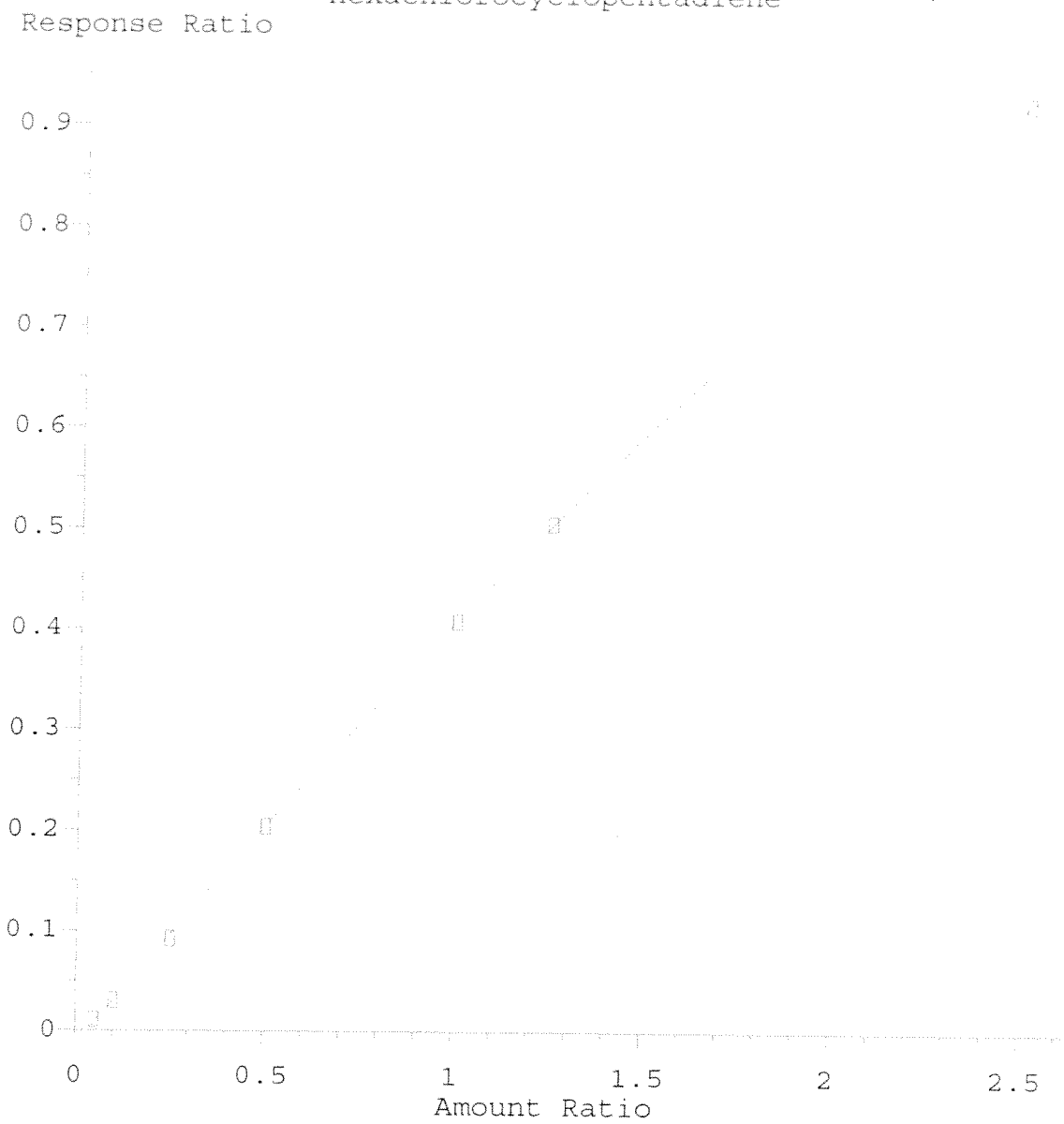
R = -5.37e-002 A*A + 4.58e-001 A + 1.04e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:05:54 2010

S92210

PM 9/22/10

Hexachlorocyclopentadiene

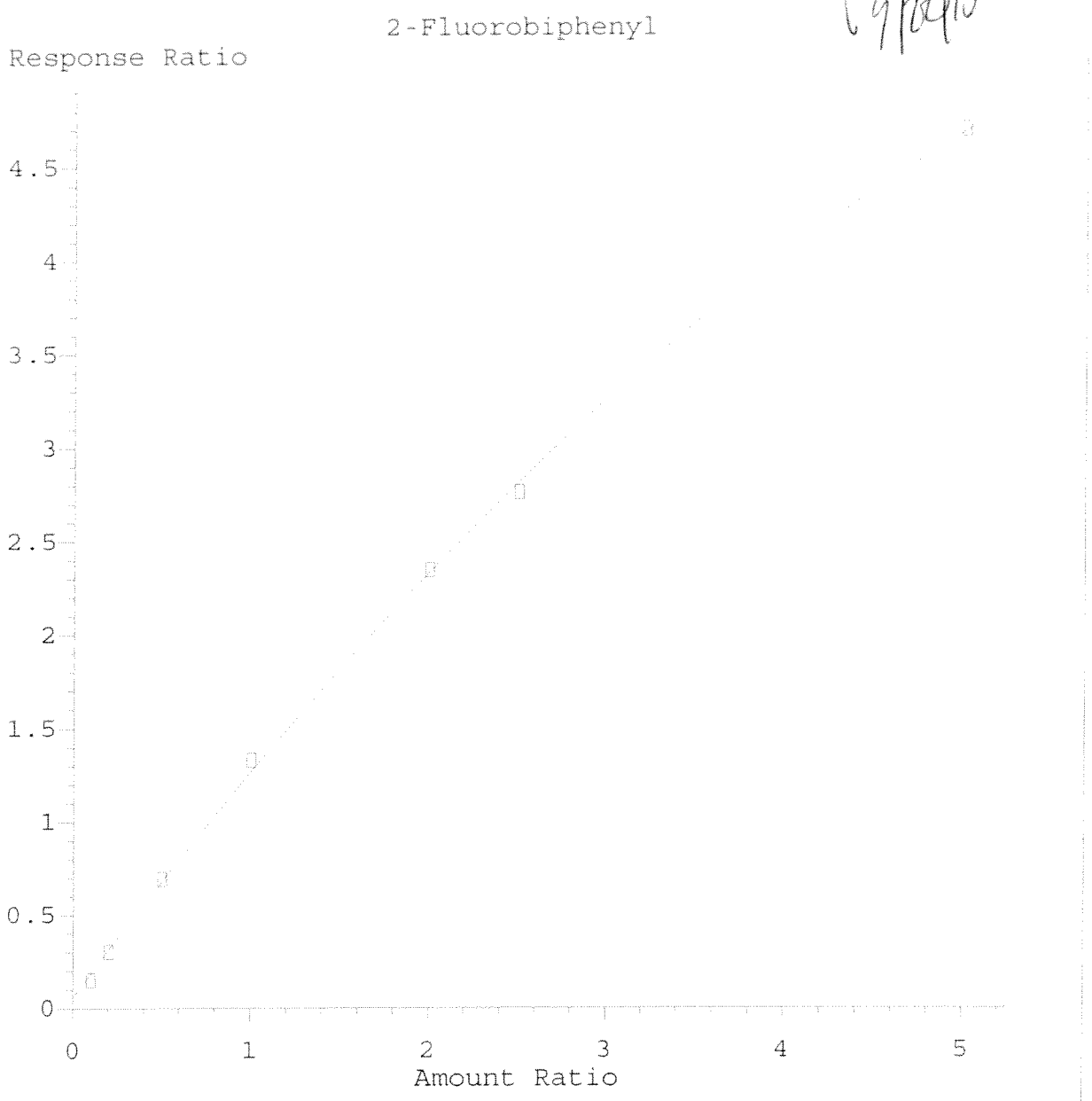


R = -3.18e-002 A*A + 4.54e-001 A - 1.51e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:02 2010

J92210

9/22/10



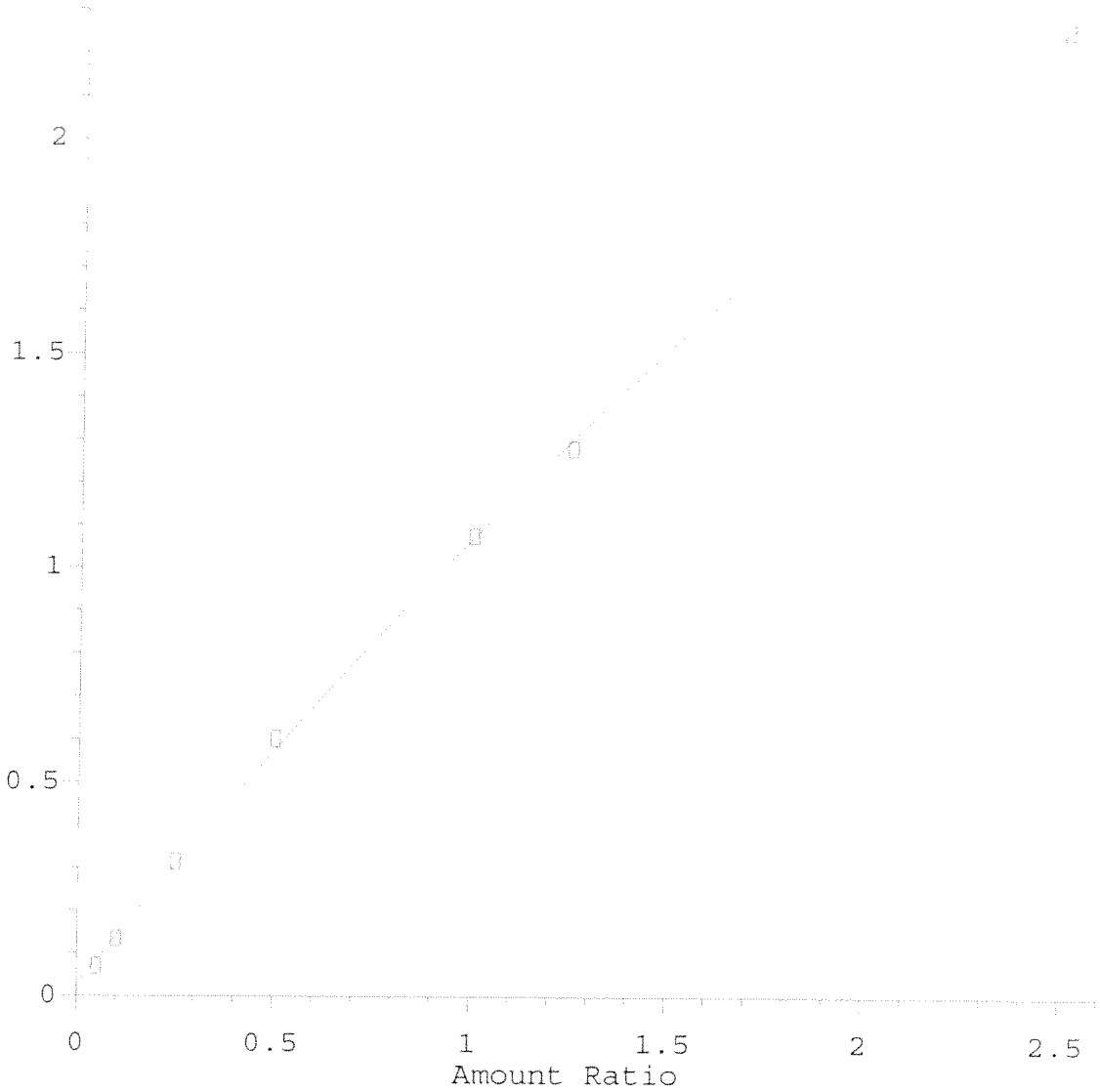
R = -7.06e-002 A*A + 1.28e+000 A + 5.85e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:10 2010

092210

9/22/10

2-Chloronaphthalene



R = -1.03e-001 A*A + 1.15e+000 A + 2.68e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:18 2010

J92210

OK 9/22/10

2,4-dinitrophenol

R = -3.70e-003 A*A + 2.33e-001 A - 3.27e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:22 2010

sg 2210

9/22/10

4-Chlorophenyl phenyl ether

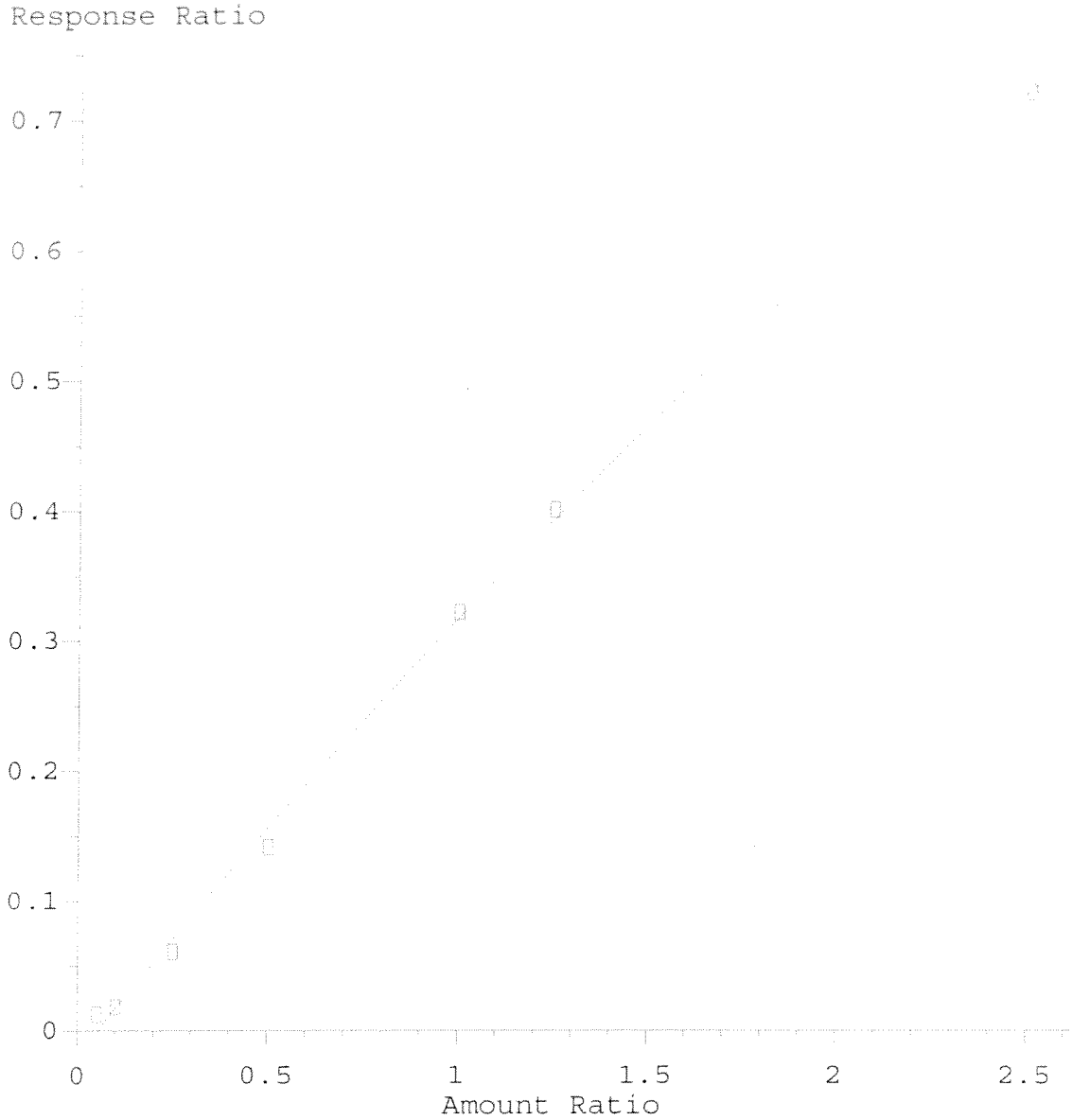
R = -9.52e-002 A*A + 7.54e-001 A + 7.50e-003
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:33 2010

S92210

9/22/10

4-Nitroaniline



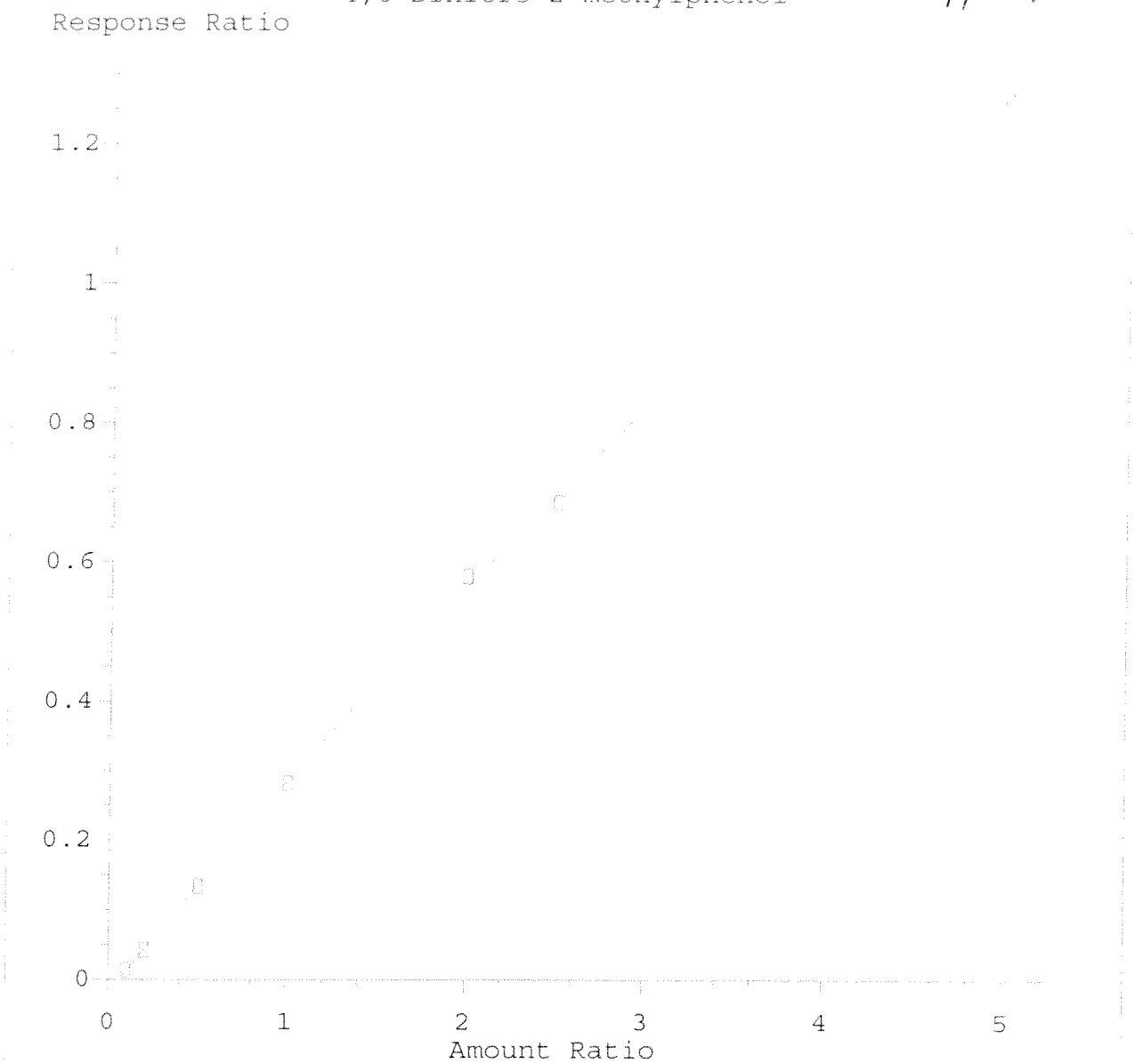
R = -2.65e-002 A*A + 3.63e-001 A - 1.85e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:42 2010

592210

9/22/10

4,6-Dinitro-2-methylphenol

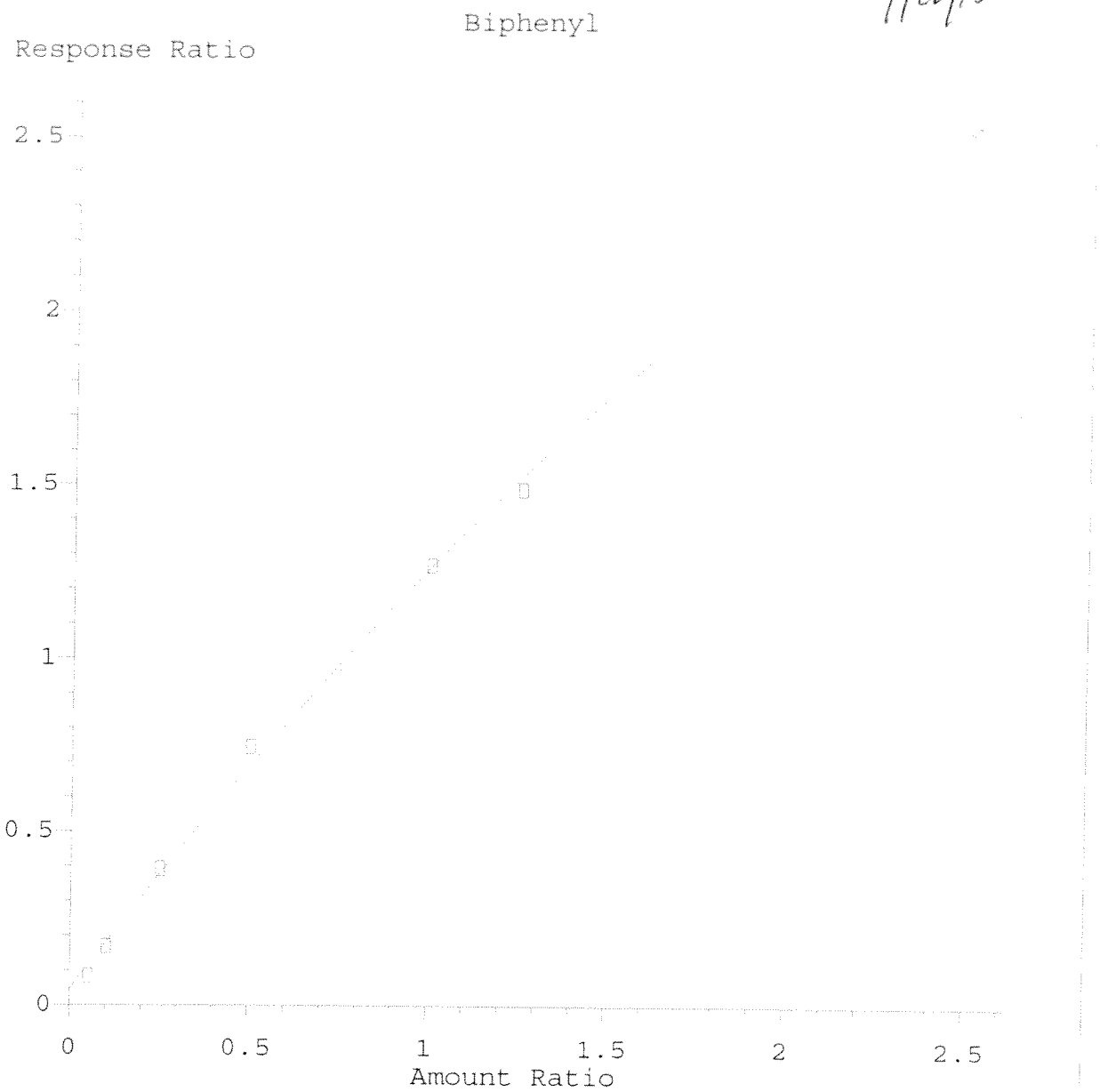


R = -1.16e-002 A*A + 3.15e-001 A - 1.89e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:47 2010

092210

PK 9/22/10



R = -1.51e-001 A*A + 1.37e+000 A + 4.39e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:53 2010

592210

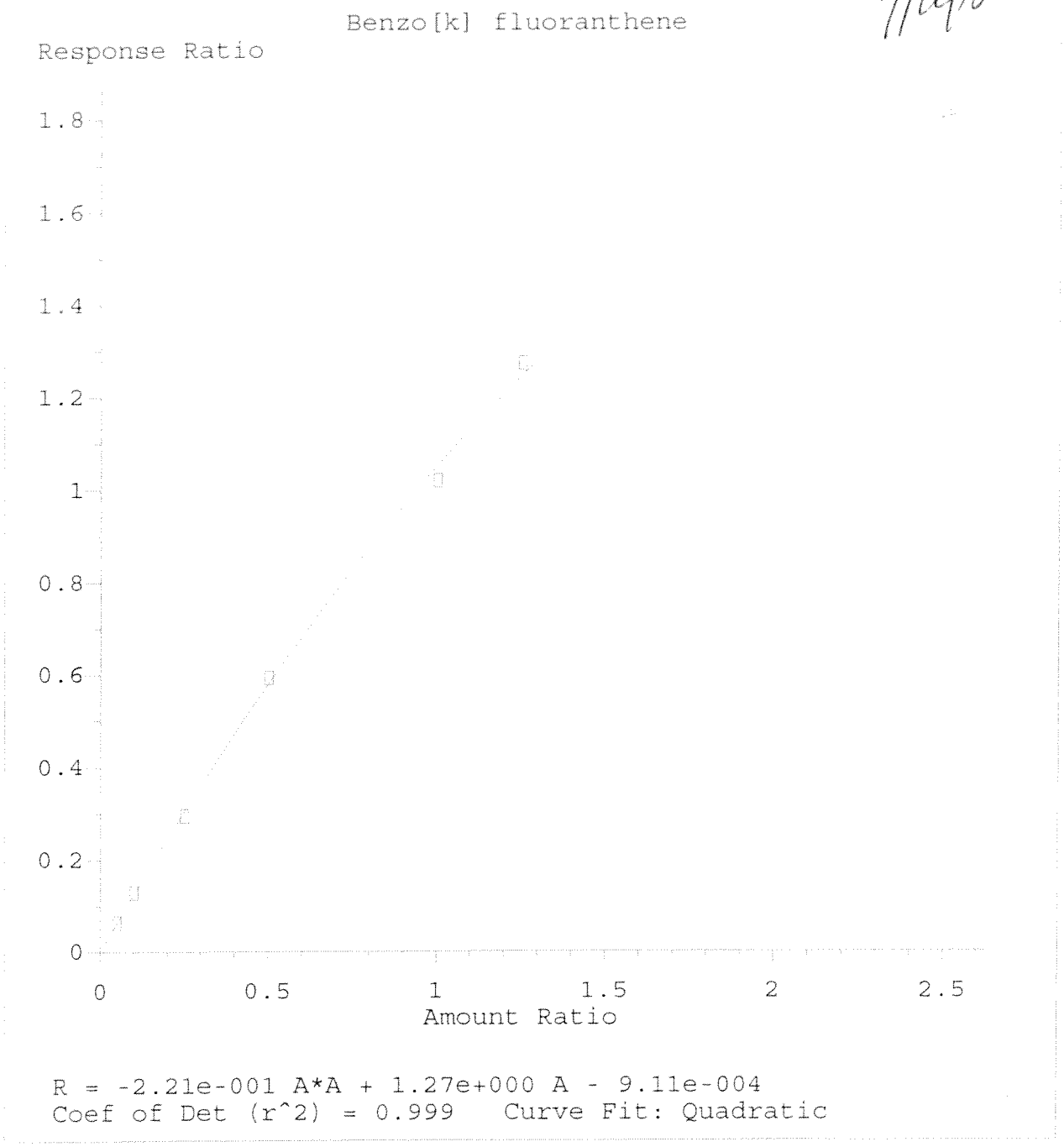
OK 9/22/10

R = 2.27e-002 A*A + 5.96e-001 A + 4.01e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:07:01 2010

592210

OK 9/24/10



Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:07:11 2010

592210

ABN FULL LIST
ICV

Data File Name J35854.D
Date Acquired 9/18/2010 3:28
Sample Name S10120 20/40 ICV

PN 9/23/10

Name	ug/mL Amount	ug/mL Expected	% Recovery	80-120%
Pyridine	20.32	20	102%	OK
N-nitrosodimethylamine	20.20	20	101%	OK
2-Fluorophenol	42.78	40	107%	OK
d5-Phenol	42.43	40	106%	OK
Aniline	18.60	20	93%	OK
Phenol	41.63	40	104%	OK
2-Chlorophenol	41.51	40	104%	OK
bis(2-chloroethyl) ether	18.08	20	90%	OK
1,3-Dichlorobenzene	20.79	20	104%	OK
1,4-Dichlorobenzene	20.56	20	103%	OK
1,2-Dichlorobenzene	19.99	20	100%	OK
Benzyl Alcohol	21.27	20	106%	OK
2-Methylphenol	40.96	40	102%	OK
bis(2-chloroisopropyl)ether	21.56	20	108%	OK
3+4-Methylphenol	42.65	40	107%	OK
Hexachloroethane	23.85	20	119%	OK
N-nitroso-di-n-propylamine	22.63	20	113%	OK
d5-nitrobenzene	40.61	40	102%	OK
Nitrobenzene	19.84	20	99%	OK
Isophorone	19.48	20	97%	OK
2-Nitrophenol	43.61	40	109%	OK
2,4-Dimethylphenol	41.37	40	103%	OK
Bis(2-chloroethoxy)methane	19.27	20	96%	OK
2,4-Dichlorophenol	41.38	40	103%	OK
Benzoic Acid	40.36	40	101%	OK
1,2,4-Trichlorobenzene	19.99	20	100%	OK
Naphthalene	20.11	20	101%	OK
2,6-Dichlorophenol	43.32	40	108%	OK
4-Chloroaniline	19.29	20	96%	OK
Hexachlorobutadiene	20.61	20	103%	OK
4-Chloro-3-methylphenol	40.37	40	101%	OK
2-Methylnaphthalene	19.08	20	95%	OK
Hexachlorocyclopentadiene	22.73	20	114%	OK
2,4,6-Trichlorophenol	45.36	40	113%	OK
2,4,5-Trichlorophenol	43.08	40	108%	OK
2-Fluorobiphenyl	42.47	40	106%	OK
2-Chloronaphthalene	20.68	20	103%	OK
2-Nitroaniline	20.60	20	103%	OK
2,6-Dinitrotoluene	21.40	20	107%	OK
Dimethyl Phthalate	20.69	20	103%	OK
Acenaphthylene	21.82	20	109%	OK
3-Nitroaniline	19.22	20	96%	OK
Acenaphthene	20.48	20	102%	OK

SRZW

9/18/2010 5:10 AM

2,4-dinitrophenol	39.06	40	98%	OK	
Dibenzofuran	20.20	20	101%	OK	
4-Nitrophenol	46.25	40	116%	OK	
2,4-Dinitrotoluene	22.11	20	111%	OK	
2,3,4,6-Tetrachlorophenol	45.90	40	115%	OK	
Fluorene	20.70	20	104%	OK	
Diethyl Phthalate	20.64	20	103%	OK	
4-Chlorophenyl phenyl ether	20.58	20	103%	OK	
4-Nitroaniline	16.73	20	84%	OK	
4,6-Dinitro-2-methylphenol	42.49	40	106%	OK	
n-nitrosodiphenylamine	21.29	20	106%	OK	
Azobenzene	19.41	20	97%	OK	
Biphenyl	21.71	20	109%	OK	
2,4,6-Tribromophenol	43.92	40	110%	OK	
4-bromophenyl phenyl ether	20.87	20	104%	OK	
Hexachlorobenzene	19.63	20	98%	OK	
Pentachlorophenol	43.39	40	108%	OK	
Phenanthrene	19.30	20	96%	OK	
Anthracene	19.38	20	97%	OK	
Carbazole	20.58	20	103%	OK	
Di-n-butyl phthalate	20.41	20	102%	OK	
Fluoranthene	19.79	20	99%	OK	
Benzidine	24.20	20	121%	*	ESTIMATED
Pyrene	20.17	20	101%	OK	
d14-p-terphenyl	39.96	40	100%	OK	
Butyl benzyl phthalate	20.91	20	105%	OK	
Benzo[a]anthracene	21.01	20	105%	OK	
Chrysene	20.37	20	102%	OK	
3,3'-Dichlorobenzidine	21.77	20	109%	OK	
Bis (2-ethylhexyl) phthalate	20.92	20	105%	OK	
di-n-octyl-phthalate	21.26	20	106%	OK	
Benzo[b] fluoranthene	19.78	20	99%	OK	
Benzo[k] fluoranthene	21.76	20	109%	OK	
Benzo[a] pyrene	20.75	20	104%	OK	
Indeno [1,2,3-cd] pyrene	20.48	20	102%	OK	
Dibenz [a,h] anthracene	20.05	20	100%	OK	
Benzo(g,h,i) perylene	19.71	20	99%	OK	

9/23/10

392710

Response Factor Report Instrument J

Method Path : C:\msdchem\1\METHODS\
Method File : ADDXTRA091710.M
Title : ABN ADDS
Last Update : Mon Sep 20 22:06:39 2010
Response Via : Initial Calibration

MV 9/23/10

Calibration Files
2 =J35847SI.D 4 =J35848SI.D 10 =J35849SI.D 20 =J35850SI.D 40 =J35851SI.D 50 =J35852SI.D
100 =J35853SI.D

		Compound	2	4	10	20	40	50	100	Avg	%RSD
1)	I	d4-1,4-dichloroben...	----------ISTD----------								
2)	TM	BENZALDEHYDE	0.767	0.780	0.800	0.790	0.744	0.663		0.758	6.61
3)	TM	n-Decane	1.903	1.949	1.907	1.819	1.761	1.705	1.528	1.796	8.17
4)	S	2-Fluorophenol	1.152	1.175	1.196	1.200	1.192	1.180	1.100	1.171	3.00
5)	S	d5-Phenol	1.427	1.446	1.444	1.410	1.333	1.300	1.199	1.366	6.80
6)	TM	Acetophenone	1.645	1.596	1.619	1.650	1.614	1.575	1.547	1.607	2.31
7)	TM	no compound								0.000#	-1.00
8)	TM	no compound								0.000#	-1.00
9)	TM	no compound								0.000#	-1.00
10)		no compound								0.000#	-1.00
11)		no compound								0.000#	-1.00
12)		no compound								0.000#	-1.00
13)		no compound								0.000#	-1.00
14)		no compound								0.000#	-1.00
15)		no compound								0.000#	-1.00
16)		no compound								0.000#	-1.00
17)		no compound								0.000#	-1.00
18)		no compound								0.000#	-1.00
19)	I	d8-Naphthalene	----------ISTD----------								
20)	S	d5-nitrobenzene	0.380	0.377	0.367	0.344	0.327	0.321	0.297	0.345	9.11
21)	TM	alpha-terpineol	0.172	0.163	0.163	0.156	0.154	0.152	0.126	0.155	9.33
22)	TM	2,3-dichloroan...	0.438	0.462	0.460	0.445	0.414	0.411	0.353	0.426	8.94
23)	TM	no compound								0.000#	-1.00
24)	TM	CAPROLACTAM	0.275	0.287	0.278	0.296	0.281	0.266	0.227	0.273	8.16
25)	TM	1,2,4,5-TETRAC...	0.447	0.453	0.442	0.417	0.377	0.371	0.317	0.404	12.49
26)		no compound								0.000#	-1.00
27)		no compound								0.000#	-1.00
28)		no compound								0.000#	-1.00
29)		no compound								0.000#	-1.00
30)		no compound								0.000#	-1.00

J42710

Response Factor Report Instrument J

Method Path : C:\msdchem\1\METHODS\
Method File : ADDXTRA091710.M
Title : ABN ADDS

31)		no compound								0.000#	-1.00
32)		no compound								0.000#	-1.00
33)		no compound								0.000#	-1.00
34)		no compound								0.000#	-1.00
35)	I	d10-Acenaphthene	----------ISTD----------								
36)	TM	no compound								0.000#	-1.00
37)	TM	no compound								0.000#	-1.00
38)		no compound								0.000#	-1.00
39)	S	2-Fluorobiphenyl	1.510	1.513	1.394	1.333	1.177	1.105	0.943	1.282	16.78
40)		no compound								0.000#	-1.00
41)		no compound								0.000#	-1.00
42)		no compound								0.000#	-1.00
43)		no compound								0.000#	-1.00
44)		no compound								0.000#	-1.00
45)		no compound								0.000#	-1.00
46)		no compound								0.000#	-1.00
47)		no compound								0.000#	-1.00
48)		no compound								0.000#	-1.00
49)		no compound								0.000#	-1.00
50)		no compound								0.000#	-1.00
51)		no compound								0.000#	-1.00
52)	TM	no compound								0.000#	-1.00
53)	TM	ATRAZINE	0.435	0.474	0.456	0.433	0.400	0.383	0.336	0.417	11.33
54)	TM	no compound								0.000#	-1.00
55)	TM	no compound								0.000#	-1.00
56)	TM	no compound								0.000#	-1.00
57)	TM	no compound								0.000#	-1.00
58)	TM	no compound								0.000#	-1.00
59)	TM	4-(tert octyl)...	2.085	2.178	2.133	2.046	1.879	1.758	1.458	1.934	13.26
60)	S	2,4,6-Tribromo...	0.204	0.228	0.223	0.220	0.218	0.212	0.194	0.214	5.42
61)	I	d10-Phenanthrene	----------ISTD----------								
62)	TM	Octadecane	0.676	0.667	0.646	0.600	0.548	0.498	0.446	0.583	15.22
63)	TM	no compound								0.000#	-1.00
64)	TM	no compound								0.000#	-1.00
65)	TM	no compound								0.000#	-1.00
66)		no compound								0.000#	-1.00
67)		no compound								0.000#	-1.00
68)		no compound								0.000#	-1.00
69)		no compound								0.000#	-1.00

Q

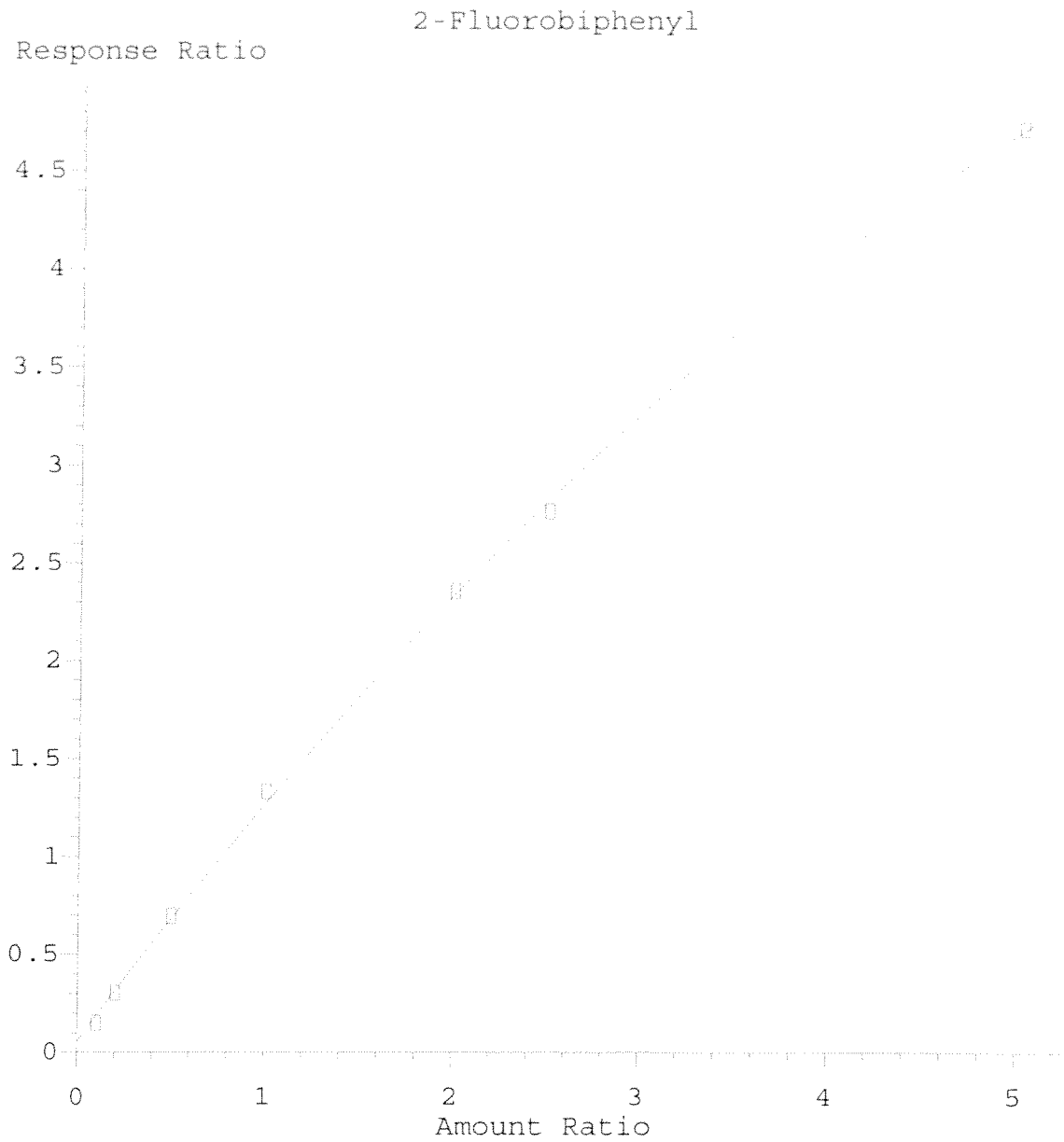
9/23/10

Response Factor Report Instrument J

```
 Method Path : C:\msdchem\1\METHODS\
 Method File : ADDXTRA091710.M
 Title       : ABN ADDS
70)      no compound                                                    0.000#  -1.00

71) I    d12-Chrysene          ----------------ISTD--------------------
72)      no compound                                                    0.000#  -1.00
73) S    d14-p-terphenyl   0.805 0.816 0.755 0.713 0.699 0.669 0.648    0.729    8.92
74)      no compound                                                    0.000#  -1.00
75)      no compound                                                    0.000#  -1.00
76)      no compound                                                    0.000#  -1.00
77)      no compound                                                    0.000#  -1.00
78)      no compound                                                    0.000#  -1.00

79) I    d12-Perylene          ----------------ISTD--------------------
80)      no compound                                                    0.000#  -1.00
81)      no compound                                                    0.000#  -1.00
82)      no compound                                                    0.000#  -1.00
83)      no compound                                                    0.000#  -1.00
84)      no compound                                                    0.000#  -1.00
85)      no compound                                                    0.000#  -1.00
86)      no compound                                                    0.000#  -1.00
-----------------------------------------------------------------------------------
(#) = Out of Range
```

9/23/10

J9270

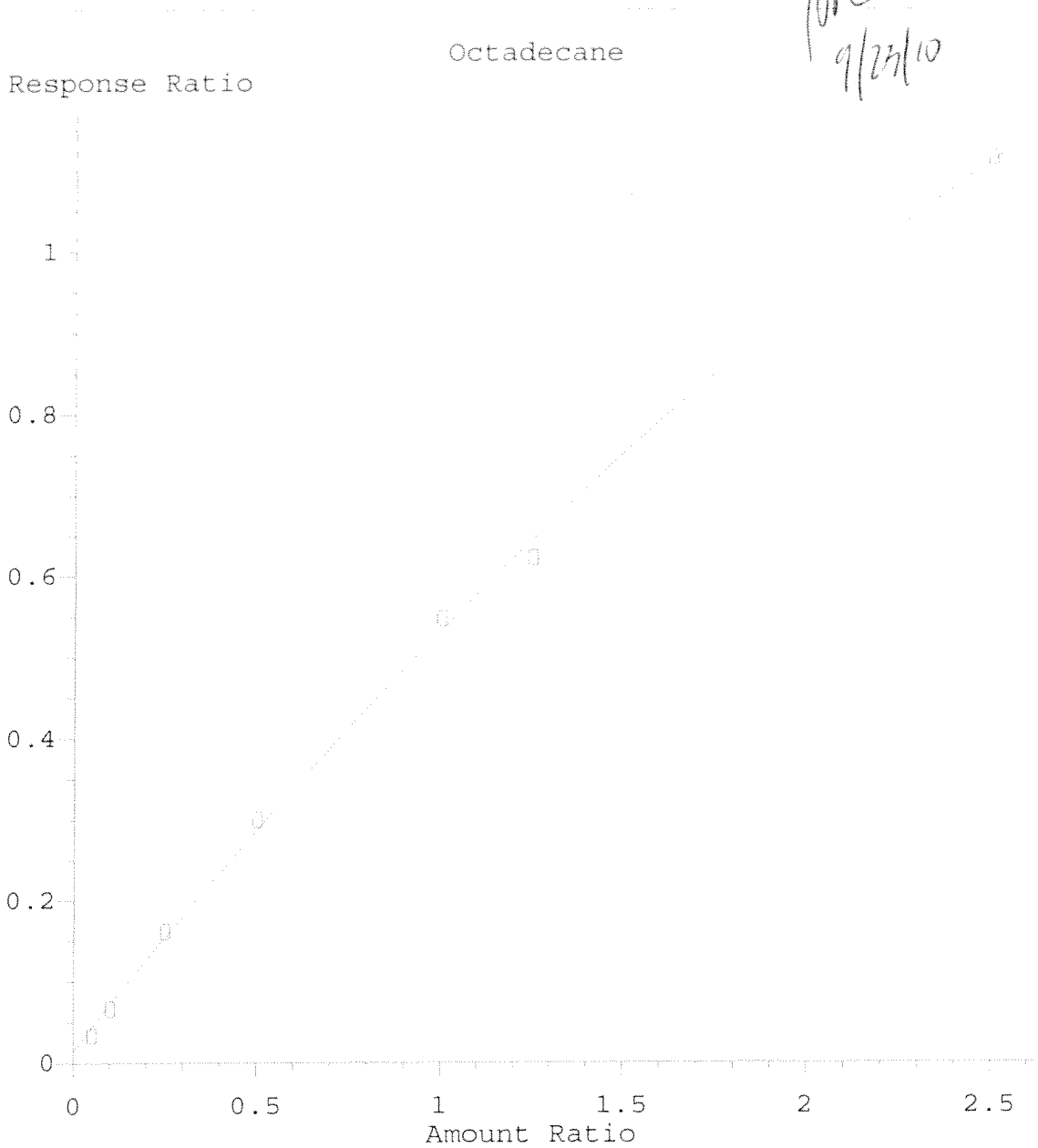


R = -7.01e-002 A*A + 1.28e+000 A + 6.00e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

342770

Method Name: C:\msdchem\1\METHODS\ADDXTRA091710.M
Calibration Table Last Updated: Mon Sep 20 22:05:41 2010

9/27/10



R = -5.27e-002 A*A + 5.71e-001 A + 1.49e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

342720

Method Name: C:\msdchem\1\METHODS\ADDXTRA091710.M
Calibration Table Last Updated: Mon Sep 20 22:06:04 2010

DOD EXTRAS
ICV

Data File Name **J35854.D**
Date Acquired **9/18/2010 3:28**
Sample Name **S10120 20/40 ICV**

9/23/10

Name	UG/L Amount	UG/L EXPECTED	% RECOVERY	80-120%
Acetophenone	19.76	20	99%	OK
BENZALDEHYDE	22.77	20	114%	OK
CAPROLACTAM	20.68	20	103%	OK
1,2,4,5-TETRACHLOROBENZENE	18.76	20	94%	OK
ATRAZINE	19.67	20	98%	OK

342720

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

MC 10/17/10

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	d4-1,4-dichlorobenzene	1.000	1.000	0.0	83	0.00
2	TM	Pyridine	1.302	1.333	-2.4	83	0.00
3	TM	N-nitrosodimethylamine	0.708	0.742	-4.8	85	0.00
4	S	2-Fluorophenol	1.170	1.299	-11.0	89	0.00
5	S	d5-Phenol	1.365	1.524	-11.6	89	0.00
✓6	TM	Aniline	1.844	1.796	2.6	79	0.00
✓7	TMC	Phenol	1.400	1.502	-7.3	86	0.00
8	TM	2-Chlorophenol	1.228	1.302	-6.0	86	0.00
9	TM	bis(2-chloroethyl) ether	1.181	1.307	-10.7	88	0.00
10	TM	1,3-Dichlorobenzene	1.582	1.664	-5.2	85	0.00
✓11	TMC	1,4-Dichlorobenzene	1.514	1.616	-6.7	86	0.00
12	TM	1,2-Dichlorobenzene	1.531	1.624	~~-6.1~~ 82105	86	0.00
13	TM	Benzyl Alcohol	0.667	0.812	-21.7# ±20%	97	0.00
14	TM	2-Methylphenol	0.998	1.031	-3.3	82	0.00
15	TM	bis(2-chloroisopropyl)ether	2.471	2.586	-4.7	84	0.00
16	TM	3+4-Methylphenol	0.980	1.042	-6.3	83	0.00
✓17	TM	Hexachloroethane	0.508	0.536	-5.5	82	0.00
✓18	TMP	N-nitroso-di-n-propylamine	0.674	0.726	-7.7	83	0.00
19	I	d8-Naphthalene	1.000	1.000	0.0	83	0.00
20	S	d5-nitrobenzene	0.345	0.355	-2.9	85	0.00
21	TM	Nitrobenzene	0.193	0.193	0.0	83	0.00
✓22	TM	Isophorone	0.642	0.654	-1.9	84	0.00
✓23	TCM	2-Nitrophenol	0.228	0.244	-7.0	85	0.00
24	TM	2,4-Dimethylphenol	0.372	0.374	-0.5	82	0.00
✓25	TM	Bis(2-chloroethoxy)methane	0.436	0.444	-1.8	82	0.00
✓26	TCM	2,4-Dichlorophenol	0.344	0.369	-7.3	87	0.00
27	TM	Benzoic Acid	0.186	0.287	Edrift ~~-54.3#~~	122	0.02
28	TM	1,2,4-Trichlorobenzene	0.416	0.425	-2.2	85	0.00
29	TM	Naphthalene	1.061	1.100	-3.7	84	0.00
30	T	2,6-Dichlorophenol	0.308	0.331	-7.5	88	0.00
✓31	TM	4-Chloroaniline	0.452	0.478	-5.8	83	0.00
✓32	TCM	Hexachlorobutadiene	0.242	0.257	-6.2	85	0.00
✓33	TMC	4-Chloro-3-methylphenol	0.301	0.313	-4.0	83	0.00
34	TM	2-Methylnaphthalene	0.636	0.675	-6.1	84	0.00
✓35	I	d10-Acenaphthene	1.000	1.000	0.0	86	0.00
✓36	TPM	Hexachlorocyclopentadiene	0.354	0.402	-13.6	85	0.00
✓37	TCM	2,4,6-Trichlorophenol	0.421	0.453	-7.6	88	0.00

3/10/10

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TM	2,4,5-Trichlorophenol	0.481	0.513	-6.7	86	0.00
39	S	2-Fluorobiphenyl	1.280	1.353	-5.7	88	0.00
40	TM	2-Chloronaphthalene	1.172	1.186	-1.2	85	0.00
41	TM	2-Nitroaniline	0.524	0.518	1.1	80	0.00
42	TM	2,6-Dinitrotoluene	0.335	0.352	-5.1	82	0.00
43	TM	Dimethyl Phthalate	1.517	1.580	-4.2	85	0.00
44	TM	Acenaphthylene	1.887	1.915	-1.5	84	0.00
45	TM	3-Nitroaniline	0.295	0.247	16.3	75	0.00
✓ 46	TMC	Acenaphthene	1.187	1.246	-5.0	88	0.00
✓ 47	TPM	2,4-dinitrophenol	0.152	0.214	Sdrift ~~-40.8#~~	101	0.00
48	TM	Dibenzofuran	1.930	2.026	-5.0	87	0.00
✓ 49	TMP	4-Nitrophenol	0.158	0.177	-12.0	86	0.00
50	TM	2,4-Dinitrotoluene	0.426	0.450	-5.6	87	0.00
51	T	2,3,4,6-Tetrachlorophenol	0.387	0.422	-9.0	90	0.00
52	TM	Fluorene	1.421	1.458	-2.6	88	0.00
53	TM	Diethyl Phthalate	1.433	1.508	-5.2	87	0.00
54	TM	4-Chlorophenyl phenyl ethe	0.708	0.742	-4.8	88	0.00
55	TM	4-Nitroaniline	0.271	0.287	-5.9	88	0.00
✓ 56	TM	4,6-Dinitro-2-methylphenol	0.246	0.300	Sdrift ~~-22.0#~~	92	0.00
✓ 57	TCM	n-nitrosodiphenylamine	1.030	1.075	-4.4	87	0.00
58	TM	Azobenzene	1.230	1.318	-7.2	92	0.00
59	TM	Biphenyl	1.415	1.478	-4.5	86	0.00
60	S	2,4,6-Tribromophenol	0.215	0.244	-13.5	95	0.00
61	I	d10-Phenanthrene	1.000	1.000	0.0	85	0.00
62	TM	4-bromophenyl phenyl ether	0.265	0.292	-10.2	92	0.00
63	TM	Hexachlorobenzene	0.283	0.295	-4.2	90	0.00
✓ 64	TMC	Pentachlorophenol	0.168	0.187	-11.3	91	0.00
65	TM	Phenanthrene	1.161	1.264	-8.9	93	0.00
66	TM	Anthracene	1.193	1.148	3.8	81	0.00
67	TM	Carbazole	0.806	0.644	Sdrift ~~-20.1#~~	78	0.00
68	TM	Di-n-butyl phthalate	1.411	1.309	7.2	78	0.00
✓ 69	TCM	Fluoranthene	1.291	1.239	4.0	82	0.00
70	TM	Benzidine	0.215	0.140	Est. 34.9#	45#	0.00
71	I	d12-Chrysene	1.000	1.000	0.0	83	0.00
72	TM	Pyrene	1.332	1.338	-0.5	83	0.00
73	S	d14-p-terphenyl	0.728	0.731	-0.4	85	0.00
74	TM	Butyl benzyl phthalate	0.635	0.645	-1.6	82	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
75	TM	Benzo[a]anthracene	1.117	1.088	2.6	82	0.00
76	TM	Chrysene	1.117	1.160	-3.8	86	0.00
77	TM	3,3'-Dichlorobenzidine	0.293	0.254	13.3	75	0.00
78	TM	Bis (2-ethylhexyl) phthalat	0.814	0.822	-1.0	82	0.00
79	I	d12-Perylene	1.000	1.000	0.0	83	0.00
80	TCM	di-n-octyl-phthalate	1.505	1.557	-3.5	84	0.00
81	TM	Benzo[b] fluoranthene	1.210	1.160	4.1	86	0.00
82	TM	Benzo[k] fluoranthene	1.096	1.195	-9.0	84	0.00
83	TCM	Benzo[a] pyrene	1.162	1.177	-1.3	84	0.00
84	TM	Indeno [1,2,3-cd] pyrene	0.964	0.903	6.3	79	-0.01
85	TM	Dibenz [a,h] anthracene	0.984	0.993	-0.9	85	0.00
86	TM	Benzo(g,h,i) perylene	1.053	1.074	-2.0	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

10/17/10

1=AVERAGE RF	Data File Name	J36195SC.D
0=LINEAR	Date Acquired	10/15/2010 4:13
3=QUADRATIC	Sample Name	S10156 20/40

METHOD: C:\msdchem\1\METHODS\ABN091710.M

CAL FIT	Name	ug/mL Amount	ug/mL Expected	% DRIFT		<20%
1	Pyridine	20.47	20	2.4%	NA	OK
1	N-nitrosodimethylamine	20.96	20	4.8%	NA	OK
1	2-Fluorophenol	44.43	40	11.1%	NA	OK
1	d5-Phenol	44.66	40	11.7%	NA	OK
1	Aniline	19.48	20	2.6%	NA	OK
1	Phenol	42.89	40	7.2%	NA	OK
1	2-Chlorophenol	42.41	40	6.0%	NA	OK
1	bis(2-chloroethyl) ether	22.12	20	10.6%	NA	OK
1	1,3-Dichlorobenzene	21.04	20	5.2%	NA	OK
1	1,4-Dichlorobenzene	21.35	20	6.8%	NA	OK
1	1,2-Dichlorobenzene	21.22	20	6.1%	NA	OK
1	Benzyl Alcohol	24.35	20	21.8%	NA	* ±30
1	2-Methylphenol	41.32	40	3.3%	NA	OK
3	bis(2-chloroisopropyl)ether	22.32	20	11.6%		OK RR any hits
1	3+4-Methylphenol	42.55	40	6.4%	NA	OK
3	Hexachloroethane	23.51	20	17.5%		OK
1	N-nitroso-di-n-propylamine	21.55	20	7.7%	NA	OK
1	d5-nitrobenzene	41.13	40	2.8%	NA	OK
1	Nitrobenzene	20.00	20	0.0%	NA	OK
1	Isophorone	20.38	20	1.9%	NA	OK
1	2-Nitrophenol	42.82	40	7.0%	NA	OK
1	2,4-Dimethylphenol	40.17	40	0.4%	NA	OK
1	Bis(2-chloroethoxy)methane	20.36	20	1.8%	NA	OK
1	2,4-Dichlorophenol	42.94	40	7.3%	NA	OK
3	Benzoic Acid	53.12	40	32.8%		* RR any w/hits
1	1,2,4-Trichlorobenzene	20.43	20	2.1%	NA	OK
1	Naphthalene	20.74	20	3.7%	NA	OK
1	2,6-Dichlorophenol	43.07	40	7.7%	NA	OK
3	4-Chloroaniline	21.30	20	6.5%		OK
1	Hexachlorobutadiene	21.21	20	6.1%	NA	OK
1	4-Chloro-3-methylphenol	41.60	40	4.0%	NA	OK
1	2-Methylnaphthalene	21.24	20	6.2%	NA	OK
3	Hexachlorocyclopentadiene	19.71	20	1.4%		OK
1	2,4,6-Trichlorophenol	43.10	40	7.8%	NA	OK
1	2,4,5-Trichlorophenol	42.63	40	6.6%	NA	OK
3	2-Fluorobiphenyl	43.02	40	7.6%		OK
3	2-Chloronaphthalene	20.71	20	3.5%		OK
1	2-Nitroaniline	19.78	20	1.1%	NA	OK
1	2,6-Dinitrotoluene	21.07	20	5.4%	NA	OK
1	Dimethyl Phthalate	20.83	20	4.1%	NA	OK

1	Acenaphthylene	20.30	20	1.5%	NA	OK
1	3-Nitroaniline	16.74	20	16.3%	NA	OK
1	Acenaphthene	21.00	20	5.0%	NA	OK
3	2,4-dinitrophenol	43.19	40	8.0%		OK
1	Dibenzofuran	20.99	20	5.0%	NA	OK
1	4-Nitrophenol	44.77	40	11.9%	NA	OK
1	2,4-Dinitrotoluene	21.11	20	5.5%	NA	OK
1	2,3,4,6-Tetrachlorophenol	43.66	40	9.1%	NA	OK
1	Fluorene	20.51	20	2.6%	NA	OK
1	Diethyl Phthalate	21.04	20	5.2%	NA	OK
3	4-Chlorophenyl phenyl ether	20.61	20	3.0%		OK
3	4-Nitroaniline	18.50	20	7.5%		OK
3	4,6-Dinitro-2-methylphenol	42.16	40	5.4%		OK
1	n-nitrosodiphenylamine	20.89	20	4.4%	NA	OK
1	Azobenzene	21.43	20	7.1%	NA	OK
3	Biphenyl	21.54	20	7.7%		OK
1	2,4,6-Tribromophenol	45.36	40	13.4%	NA	OK
1	4-bromophenyl phenyl ether	22.09	20	10.5%	NA	OK
1	Hexachlorobenzene	20.82	20	4.1%	NA	OK
1	Pentachlorophenol	44.49	40	11.2%	NA	OK
1	Phenanthrene	21.78	20	8.9%	NA	OK
1	Anthracene	19.24	20	3.8%	NA	OK
3	Carbazole	18.59	20	7.1%		OK
1	Di-n-butyl phthalate	18.55	20	7.2%	NA	OK
1	Fluoranthene	19.20	20	4.0%	NA	OK
1	Benzidine	13.03	20	34.9%	NA	* Est.
1	Pyrene	20.10	20	0.5%	NA	OK
1	d14-p-terphenyl	40.19	40	0.5%	NA	OK
1	Butyl benzyl phthalate	20.30	20	1.5%	NA	OK
1	Benzo[a]anthracene	19.47	20	2.6%	NA	OK
1	Chrysene	20.76	20	3.8%	NA	OK
1	3,3'-Dichlorobenzidine	17.34	20	13.3%	NA	OK
1	Bis (2-ethylhexyl) phthalate	20.20	20	1.0%	NA	OK
1	di-n-octyl-phthalate	20.69	20	3.5%	NA	OK
1	Benzo[b] fluoranthene	19.18	20	4.1%	NA	OK
3	Benzo[k] fluoranthene	20.65	20	3.2%		OK
1	Benzo[a] pyrene	20.26	20	1.3%	NA	OK
1	Indeno [1,2,3-cd] pyrene	18.74	20	6.3%	NA	OK
1	Dibenz [a,h] anthracene	20.19	20	0.9%	NA	OK
1	Benzo(g,h,i) perylene	20.40	20	2.0%	NA	OK

625 ADDS
CCV

Data File Name **J36195SC.D**
Date Acquired **10/15/2010 4:13**
Sample Name **S10156 20/40**

10/17/10

Name	UG/L Amount	UG/L EXPECTED	% RECOVERY	% LIMITS	
n-Decane	20.44	20	102%	80-120	OK
Acetophenone	20.47	20	102%	80-120	OK
alpha-terpineol	21.64	20	108%	80-120	OK
2,3-dichloroaniline	21.25	20	106%	80-120	OK
4-(tert octyl) Phenol	20.12	20	101%	80-120	OK
Octadecane	20.63	20	103%	80-120	OK
BENZALDEHYDE	21.29	20	106%	80-120	OK
CAPROLACTAM	20.49	20	102%	80-120	OK
1,2,4,5-TETRACHLOROBENZENE	21.93	20	110%	80-120	OK
ATRAZINE	18.28	20	91%	80-120	OK

10/18/10

SEMIVOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#	IS 5 AREA	#	IS 5 RT	#	IS 6 AREA	#	IS 6 RT	#
S10112 20/40	460445		4.02		1393270		5.31		783890		7.03		1.38E+06		8.46		1380450		11.01		1.27E+06		12.47	
Upper Limit	920890		4.08		2786540		5.37		1567780		7.09		2761940		8.52		2760900		11.07		2547220		12.53	
Lower limit	230223		3.96		696635		5.25		391945		6.97		690485		8.40		690225		10.95		636805		12.41	
SAMPLE ID																								
S10115 2/4	467340		4.02		1385760		5.31		777487		7.03		1.37E+06		8.46		1511120		11.00		1.30E+06		12.47	
S10114 4/8	456768		4.02		1348710		5.31		764977		7.03		1.35E+06		8.46		1439520		11.00		1.28E+06		12.46	
S10113 10/20	474965		4.02		1349960		5.31		785875		7.03		1.38E+06		8.46		1434880		11.00		1.28E+06		12.46	
S10111 40/80	491868		4.03		1488180		5.32		853400		7.03		1.45E+06		8.47		1407900		11.01		1.32E+06		12.47	
S10110 50/100	480235		4.03		1425040		5.32		835715		7.04		1.41E+06		8.47		1356070		11.01		1.31E+06		12.47	
S10109 100/200	416986		4.03		1280460		5.33		731503		7.04		1.18E+06		8.47		1079200		11.02		1.11E+06		12.48	
S10120 20/40 ICV	436183		4.02		1317140		5.31		717152		7.03		1.29E+06		8.46		1258250		11.01		1.16E+06		12.47	

IS 1 = d4-1,4-dichlorobenzene
IS 2 = d8-Naphthalene
IS 3 = d10-Acenaphthene
IS 4 = d10-Phenanthrene
IS 5 = d12-Chrysene
IS 6 = d12-Perylene

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

SEMIVOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#	IS 5 AREA	#	IS 5 RT	#	IS 6 AREA	#	IS 6 RT	#
S10156 20/40	380066		3.96		1149610		5.26		676907		6.98		1.17E+06		8.41		1146150		10.95		1.06E+06		12.40	
Upper Limit	760132		4.02		2299220		5.32		1353814		7.04		2345080		8.47		2292300		11.01		2126560		12.46	
Lower limit	190033		3.90		574805		5.20		338454		6.92		586270		8.35		573075		10.89		531640		12.34	

SAMPLE ID																								
B100710AASE,,RR	388874		3.96		1138980		5.26		680856		6.98		1.18E+06		8.40		1202980		10.94		1.06E+06		12.39	
L100710AASE,,RR	368589		3.96		1094420		5.26		656629		6.98		1.05E+06		8.41		1018400		10.96		1.01E+06		12.40	
LD100710AASE,,RR	360775		3.96		1072760		5.26		621677		6.98		1.10E+06		8.41		925580		10.96		918900		12.40	
67967-4	390233		3.96		1171590		5.26		681735		6.98		1.21E+06		8.40		1140900		10.95		992234		12.40	
67967-4,MS	372623		3.96		1086820		5.26		634919		6.98		989879		8.41		942807		10.96		953992		12.40	
67967-4,MSD	371922		3.96		1088100		5.26		625730		6.98		1.12E+06		8.41		939056		10.96		953834		12.40	
67967-3	382357		3.96		1125400		5.26		654397		6.98		1.16E+06		8.41		1081300		10.95		906133		12.40	
67967-2	376714		3.96		1110940		5.26		647530		6.98		1.09E+06		8.40		1039670		10.95		930754		12.40	
67967-1	383938		3.96		1127910		5.26		651720		6.98		1.14E+06		8.41		1052560		10.95		964272		12.40	

IS 1 = d4-1,4-dichlorobenzene
IS 2 = d8-Naphthalene
IS 3 = d10-Acenaphthene
IS 4 = d10-Phenanthrene
IS 5 = d12-Chrysene
IS 6 = d12-Perylene

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

SVOA FORM 8

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: Lab QC

SAMPLE DATA

Lab Sample ID: B100810PSOX2
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/08/10
Analysis Date: 10/13/10

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U
PCB-1262	33	U
PCB-1268	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	105	%
Decachlorobiphenyl	66	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Percent Solid: 79
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/08/10
Analysis Date: 10/13/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-DC-01

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	40	U
PCB-1221	40	U
PCB-1232	40	U
PCB-1242	40	U
PCB-1248	40	U
PCB-1254	40	U
PCB-1260	40	U
PCB-1262	40	U
PCB-1268	40	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	91	%
Decachlorobiphenyl	72	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/08/10
Analysis Date: 10/13/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-APN-01

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	36	U
PCB-1221	36	U
PCB-1232	36	U
PCB-1242	36	U
PCB-1248	36	U
PCB-1254	36	U
PCB-1260	36	**45**
PCB-1262	36	U
PCB-1268	36	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	85	%
Decachlorobiphenyl	57	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967
Sample: 67967-2,,A/C
Data File: M31686.D
Dilution Factor: 1.1

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	44	45	4.0	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

PCB FORM 10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID:	67967-3
Matrix:	Solid
Percent Solid:	80
Dilution Factor:	1.2
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/08/10
Analysis Date:	10/13/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GTM-01

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	40	U
PCB-1221	40	U
PCB-1232	40	U
PCB-1242	40	U
PCB-1248	40	U
PCB-1254	40	U
PCB-1260	40	U
PCB-1262	40	U
PCB-1268	40	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	107	%
Decachlorobiphenyl	52	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID: 67967-4
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.0
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/08/10
Analysis Date: 10/13/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-02

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	**27 J**
PCB-1262	33	U
PCB-1268	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	93	%
Decachlorobiphenyl	57	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967
Sample: 67967-4,,A/C
Data File: M31690.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	25 J	27 J	9.5	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

PCB FORM 10

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B100810PSOX2,,A/C	105		66		85		67	
L100810PSOX2,,A/C	107		66		90		67	
LD100810PSOX2,,A/C	96		63		87		65	
67967-1,,A/C	91		72		77		65	
67967-2,,A/C	85		57		78		65	
67967-3,,A/C	107		52		80		55	
67967-3,MS,,A/C	90		59		83		60	
67967-3,MSD,,A/C	85		56		82		59	
67967-4,,A/C	93		57		84		61	

		Lower Limit	Upper Limit
SMC #1 =	TCX	40	130
SMC #2 =	DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB FORM 2

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

SDG: 67967

Non-spiked sample: B100810PSOX2,,A/C

Spike: L100810PSOX2,,A/C

Spike duplicate: LD100810PSOX2,,A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	249	124		217	108		13.7	
PCB 1260	200	200	60	130	30	0	220	110		200	100		9.1	
PCB 1016 #2	200	200	65	140	30	0	231	115		224	112		3.1	
PCB 1260 #2	200	200	60	130	30	0	195	97		186	93		4.6	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

PCB FORM 3

PCB SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

SDG:

Non-spiked sample: 67967-3,,A/C

Spike: 67967-3,MS,,A/C

Spike duplicate: 67967-3,MSD,,A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	249	242	65	140	30	0	267	107		262	108		1.8	
PCB 1260	249	242	60	130	30	0	243	98		236	98		3.1	
PCB 1016 #2	249	242	65	140	30	0	296	119		307	127		3.4	
PCB 1260 #2	249	242	60	130	30	0	225	90		216	89		4.0	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

PCB FORM 3

analytics environmental laboratory LLC

100910-M

PEST/PCB/HERB
Instrument M
Sequence Log Book

Load: JM
Unload: JM

Data File	Vial #	Sample	Method	Comments	Final Vol.
M31511-32	100	Hexane	PCB100910.m		
33 51	6	P5538 16/60 0.02 ug/mL		✓	
34 51	7	P5539 0.05		✓	
35 51	8	P5540 0.1		✓	
36 51	9	P5542 0.25		✓	
37 51	10	P5544 0.5		✓	
38 51	11	P5485 0.75		✓	
39 52	12	P5545 1.0		✓	
40 51	13	P5546 2.0		✓	
41 CC	14	P5549 16/60 ICV 0.5 ug/mL		✓	
42 51	15	P5489 AR 1254 0.0625 ug/mL		✓	
43 51	16	P5490 0.125		✓	
44 51	17	P5491 0.25		✓	
45 51	18	P5552 0.5		✓	
46 51	19	P5495 1.0		✓	
47 51	20	P5496 2.0		✓	
48 CC	21	P5498 AR 1254 ICV 0.5 ug/mL		✓	
49	22	P5476 AR 1221 1.0 ug/mL			
50	23	P5557 AR 1232			
51	24	P5559 AR 1242			
52	25	P5561 AR 1248			
53	26	P5556 AR 1262			
54	27	P5478 AR 1268			
55-70	100	Hexane			

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot : 1008355

MTBE Lot:

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1: 03/09/10

[42]

analytics environmental laboratory LLC

101210-M cont

PEST/PCB/HERB
Instrument M
Sequence Log Book

Load: JL
Unload: JL

Data File	Vial #	Sample	Method	Comments	Final Vol.
M31661	52	~~B5~~ 67975-16..AL	PCB100910.M	✓	5mL
62	53	↓ -18..AL		✓	↓
63SC	1	PS542 16160 0.25ug/mL		✓	
64SC	4	PS550 AR1254 0.25ug/mL		✓	
65SC	2	PS544 16160 0.5ug/mL		✓	
66SC	5	PS552 AR1254 0.5ug/mL		✓	
67B	6	B100810PS0X2..AL		✓	5mL
68Q	7	L100810PS0X10..AL		✓	
69Q	8	LD100810PS0X10..AL		✓	
70	9	67985-1..AL		✓	
71	10	-2..		✓	
72	11	-3..		✓	
73	12	-4..		✓	
74	13	-5..		✓	
75	14	-6..		✓	
76	15	-7..		✓	
77	16	-8..		✓	
78	17	-9..		✓	↓
79SC	1	PS542 16160 0.25ug/mL		✓	
80SC	4	PS550 AR1254 0.25ug/mL		✓	
81B	6	B100810PS0X2..AL		✓	5mL
82Q	7	L100810PS0X2..AL		✓	
83Q	8	LD100810PS0X2..AL		✓	
84	9	68001-1..AL		RM 500X	
85	10	67967-1..AL		✓	
86	11	-2..		✓	
87	12	-3..		✓	
88	13	-3.MS..AL		✓	
89	14	-3.MSD..AL		✓	
90	15	-4..AL		✓	↓
91SC	1	PS542 16160 0.25ug/mL		✓	
92SC	4	PS550 AR1254 0.25ug/mL		✓	
93SC	2	PS544 16160 0.5ug/mL		✓	
94SC	5	PS552 AR1254 0.5ug/mL		✓	
95B	16	B100810PS0X..AL			5mL
96Q	17	L100810PS0X..AL			
97Q	18	LD100810PS0X..AL			
98	19	67976-1..AL			
99	20	-2..			
700SP	21	-2.MS..AL			
01SP	22	-2.MSD..A			↓

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot : 1008355

MTBE Lot:

* Continued onto the Next page.

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1: 03/09/10

[45]

C:\msdchem\1\METHODS\PCB100910.M

Level 1 File Name	
Level 2 File Name	M31533SI.D
Level 3 File Name	M31534SI.D
Level 4 File Name	M31535SI.D
Level 5 File Name	M31536SI.D
Level 6 File Name	M31537SI.D
Level 7 File Name	M31538SI.D
Level 8 File Name	M31539SI.D
Level 8 File Name	M31540SI.D
Level 10 File Name	M31542SI.D
Level 11 File Name	M31543SI.D
Level 12 File Name	M31544SI.D
Level 13 File Name	M31545SI.D
Level 14 File Name	M31546SI.D
Level 15 File Name	M31547SI.D

JL 10-12-10

RESPONSE = X + YA + Z(A*A)

Name	Calibration Fit	R^2	R	X	Y	Z
TCX	1	0.051	0.226	0.00E-01	1.83E+06	0.00E-01
Ar1016 A	0	0.999	0.999	1.56E+06	2.93E+07	0.00E-01
Ar1016 B	0	1.000	1.000	1.65E+06	4.99E+07	0.00E-01
Ar1016 C	0	1.000	1.000	9.88E+05	3.21E+07	0.00E-01
Ar1016 D	0	0.999	0.999	1.22E+06	2.71E+07	0.00E-01
Ar1016 E	0	1.000	1.000	1.40E+06	4.02E+07	0.00E-01
Ar1260 A	0	1.000	1.000	2.40E+06	7.50E+07	0.00E-01
Ar1260 B	0	1.000	1.000	2.36E+06	8.88E+07	0.00E-01
Ar1260 C	0	1.	1.000	2.78E+06	8.38E+07	0.00E-01
Ar1260 D	0	.999	1.000	2.09E+06	6.53E+07	0.00E-01
Ar1260 E	0	1.000	1.000	1.74E+06	7.47E+07	0.00E-01
Ar1254 A	1	0.118	0.343	0.00E-01	6.67E+07	0.00E-01
Ar1254 B	1	0.123	0.351	0.00E-01	7.38E+07	0.00E-01
Ar1254 C	1	0.104	0.323	0.00E-01	6.02E+07	0.00E-01
Ar1254 D	1	0.097	0.311	0.00E-01	9.05E+07	0.00E-01
Ar1254 E	1	0.175	0.418	0.00E-01	5.35E+07	0.00E-01
DCB	1	0.120	0.347	0.00E-01	1.18E+06	0.00E-01
Signal #2	0	0.000	0.000	0.00E-01	0.00E-01	0.00E-01
TCX #2	1	0.034	0.185	0.00E-01	8.69E+06	0.00E-01
Ar1016 A #2	0	0.995	0.998	7.95E+06	1.67E+08	0.00E-01
Ar1016 B #2	0	1.000	1.000	7.61E+06	3.03E+08	0.00E-01
Ar1016 C #2	0	1.000	1.000	4.06E+06	2.72E+08	0.00E-01
Ar1016 D #2	0	1.000	1.000	4.47E+06	2.80E+08	0.00E-01
Ar1016 E #2	0	1.000	1.000	2.33E+06	1.11E+08	0.00E-01
Ar1260 A #2	0	1.000	1.000	5.54E+06	4.09E+08	0.00E-01
Ar1260 B #2	0	1.000	1.000	7.70E+06	6.38E+08	0.00E-01
Ar1260 C #2	0	1.000	1.000	7.20E+06	6.89E+08	0.00E-01
Ar1260 D #2	0	1.000	1.000	3.38E+06	4.38E+08	0.00E-01
Ar1260 E #2	0	1.000	1.000	1.80E+06	4.10E+08	0.00E-01
Ar1254 A #2	1	0.062	0.249	0.00E-01	2.71E+08	0.00E-01
Ar1254 B #2	1	0.054	0.233	0.00E-01	5.20E+08	0.00E-01
Ar1254 C #2	1	0.043	0.208	0.00E-01	3.12E+08	0.00E-01
Ar1254 D #2	1	0.047	0.216	0.00E-01	4.84E+08	0.00E-01
Ar1254 E #2	1	0.071	0.267	0.00E-01	4.27E+08	0.00E-01
DCB #2	1	0.039	0.196	0.00E-01	7.19E+06	0.00E-01

Regression= 0

2/10/2010

Method Path : C:\msdchem\1\METHODS\
Method File : PCB100910.M
Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
Last Update : Tue Oct 12 11:36:26 2010
Response Via : Initial Calibration

Calibration Files
= 2 =M31533SI.D 3 =M31534SI.D
4 =M31535SI.D 5 =M31536SI.D 6 =M31537SI.D

OK 10.12.10

	Compound	2	3	4	5	6	Avg		%RSD
1)	S TCX	2.027	1.883	1.867	1.744	1.769	1.763	1.831 E6	5.12
2)	L1M Ar1016 A	4.881	5.130	4.443	3.674	3.424	3.240	3.862 E7	21.73
3)	L1M Ar1016 B	8.671	7.168	6.618	5.808	5.505	5.294	6.161 E7	20.38
4)	L1M Ar1016 C	5.011	4.471	4.212	3.711	3.528	3.382	3.859 E7	16.58
5)	L1M Ar1016 D	4.635	4.066	3.868	3.324	3.116	2.952	3.446 E7	19.54
6)	L1M Ar1016 E	6.639	5.733	5.479	4.749	4.461	4.264	4.946 E7	18.52
7)	L2M Ar1260 A	1.515	1.102	1.012	0.863	0.820	0.785	0.954 E8	27.01
8)	L2M Ar1260 B	1.798	1.263	1.151	1.003	0.952	0.917	1.111 E8	27.60
9)	L2M Ar1260 C	1.938	1.229	1.105	0.968	0.919	0.880	1.094 E8	31.40
10)	L2M Ar1260 D	1.188	0.927	0.850	0.750	0.701	0.712	0.807 E8	22.22
11)	L2M Ar1260 E	1.370	1.003	0.936	0.838	0.797	0.769	0.904 E8	~~23.11~~
12)	L3M Ar1254 A							6.669 E7	11.78
13)	L3M Ar1254 B							7.383 E7	12.29
14)	L3M Ar1254 C							6.019 E7	10.40
15)	L3M Ar1254 D							0.905 E8	9.67
16)	L3M Ar1254 E							5.349 E7	17.50
17)	S DCB	1.441	1.312	1.255	1.110	1.087	1.073	1.177 E6	12.02

Linear

Signal #2 Calibration Files
= 2 =M31533SI.D 3 =M31534SI.D
4 =M31535SI.D 5 =M31536SI.D 6 =M31537SI.D

	Compound	2	3	4	5	6	Avg		%RSD
1)	S TCX	9.240	8.826	8.911	8.598	8.657	8.535	8.692 E6	3.41
2)	L1M Ar1016 A	2.118	1.840	2.505	2.153	1.833	1.988	1.982 E8	~~13.67~~
3)	L1M Ar1016 B	4.175	3.780	3.677	3.396	3.284	3.192	3.461 E8	11.15
4)	L1M Ar1016 C	3.314	3.163	3.169	2.858	2.876	2.789	2.960 E8	7.48
5)	L1M Ar1016 D	3.485	3.195	3.221	3.012	2.921	2.849	3.049 E8	7.65
6)	L1M Ar1016 E	1.966	1.334	1.297	1.233	1.177	1.149	1.300 E8	21.56
7)	L2M Ar1260 A	6.531	4.883	4.668	4.361	4.246	4.160	4.639 E8	17.50
8)	L2M Ar1260 B	1.047	0.745	0.718	0.669	0.659	0.647	0.722 E9	18.91
9)	L2M Ar1260 C	1.245	0.806	0.767	0.713	0.705	0.694	0.790 E9	23.87
10)	L2M Ar1260 D	6.095	4.970	4.834	4.517	4.466	4.399	4.760 E8	~~2.21~~
11)	L2M Ar1260 E	5.111	4.414	4.393	4.155	4.134	4.117	4.319 E8	7.96
12)	L3M Ar1254 A							2.710 E8	6.18
13)	L3M Ar1254 B							5.201 E8	5.43
14)	L3M Ar1254 C							3.119 E8	4.32
15)	L3M Ar1254 D							4.836 E8	4.66
16)	L3M Ar1254 E							4.271 E8	7.15
17)	S DCB	7.805	7.250	7.306	6.942	7.051	7.045	7.187 E6	3.86

Linear

(#) = Out of Range ### Number of calibration levels exceeded format ###

3/01210

PCB1660/1260

INITIAL CALIBRATION VERIFICATION

METHOD: C:\msdchem\1\METHODS\PCB100910.M

Data File Name M31541CC.D
Date Acquired 10/9/2010 13:52
Sample Name P5549 16/60 ICV 0.5 UG/ML

Name	Amount	Recovery	80%-120% Recovery Pass	Name	Amount	Recovery	80%-120% Recovery Pass
TCX	91.66	92%	OK	TCX #2	95.20	95%	OK
Ar1016 A	0.50	99%	OK	Ar1016 A #2	0.48	95%	OK
Ar1016 B	0.52	105%	OK	Ar1016 B #2	0.49	99%	OK
Ar1016 C	0.50	100%	OK	Ar1016 C #2	0.48	96%	OK
Ar1016 D	0.51	102%	OK	Ar1016 D #2	0.49	98%	OK
Ar1016 E	0.50	100%	OK	Ar1016 E #2	0.60	120%	OK
	AVG	100%	OK		AVG	101%	OK
Ar1260 A	0.52	103%	OK	Ar1260 A #2	0.51	101%	OK
Ar1260 B	0.50	100%	OK	Ar1260 B #2	0.51	101%	OK
Ar1260 C	0.51	102%	OK	Ar1260 C #2	0.51	102%	OK
Ar1260 D	0.52	104%	OK	Ar1260 D #2	0.49	99%	OK
Ar1260 E	0.50	99%	OK	Ar1260 E #2	0.49	97%	OK
	AVG	102%	OK		AVG	100%	OK
DCB	93.23	93%	OK	DCB #2	101.40	101%	OK

PCB1254

INITIAL CALIBRATION VERIFICATION

METHOD: C:\msdchem\1\METHODS\PCB100910.M

Data File Name M31548CC.D
Date Acquired 10/9/2010 15:04
Sample Name P5498 AR 1254 ICV 0.5 UG/ML

Name	Amount	Recovery	80%-120% Recovery Pass	Name	Amount	Recovery	80%-120% Recovery Pass
Ar1254 A	0.49	98%	OK	Ar1254 A #2	0.54	108%	OK
Ar1254 B	0.51	101%	OK	Ar1254 B #2	0.51	102%	OK
Ar1254 C	0.50	100%	OK	Ar1254 C #2	0.52	105%	OK
Ar1254 D	0.45	90%	OK	Ar1254 D #2	0.47	94%	OK
Ar1254 E	0.48	96%	OK	Ar1254 E #2	0.52	104%	OK
	AVG	97%	OK		AVG	102%	OK

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5542 16/60 0.25 UG/ML
Column ID:	0.25 mm	Data File ID:	M31679SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				52.179	104		51.755	104	
PCB 1016				0.282	113		0.266	107	
PCB 1260				0.271	109		0.260	104	
DCB				48.568	97		51.549	103	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

PCB FORM 7

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5550 AR 1254 0.25 UG/Ml
Column ID:	0.25 mm	Data File ID:	M31680SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.276	111		0.268	107	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

PCB FORM 7

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5542 16/60 0.25 UG/ML
Column ID:	0.25 mm	Data File ID:	M31691SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				51.052	102		51.981	104	
PCB 1016				0.282	113		0.282	113	
PCB 1260				0.263	105		0.261	104	
DCB				45.758	92		49.037	98	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

PCB FORM 7

PCB
CONTINUING CALIBRATION

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5550 AR 1254 0.25 UG/M
Data File ID: M31692SC.D

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.268	107		0.263	105	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

Column to be used to Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

PCB FORM 7

PCB
CONTINUING CALIBRATION

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5544 16/60 0.5 UG/ML
Data File ID: M31693SC.D

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				105.315	105		105.881	106	
PCB 1016				0.588	118		0.572	114	
PCB 1260				0.540	108		0.539	108	
DCB				94.930	95		104.170	104	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

Column to be used to Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

PCB FORM 7

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5552 AR 1254 0.5 UG/ML
Column ID:	0.25 mm	Data File ID:	M31694SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.580	116		0.523	105	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

PCB FORM 7

PCB
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5544 16/60 0.5 UG/ML	M31537SI.D	10/9/2010 13:11	2.13		6.37		1.80		5.64	
Upper Limit			2.19		6.40		1.86		5.67	
Lower limit			2.07		6.34		1.74		5.61	

SAMPLE ID

P5538 16/60 0.02 UG/ML	M31533SI.D	10/9/2010 12:30	2.13		6.37		1.80		5.64	
P5539 16/60 0.05 UG/ML	M31534SI.D	10/9/2010 12:40	2.13		6.37		1.80		5.64	
P5540 16/60 0.1 UG/ML	M31535SI.D	10/9/2010 12:50	2.13		6.37		1.80		5.64	
P5542 16/60 0.25 UG/ML	M31536SI.D	10/9/2010 13:01	2.13		6.37		1.80		5.64	
P5544 16/60 0.5 UG/ML	M31537SI.D	10/9/2010 13:11	2.13		6.37		1.80		5.64	
P5485 16/60 0.75 UG/ML	M31538SI.D	10/9/2010 13:21	2.13		6.37		1.80		5.64	
P5545 16/60 1.0 UG/ML	M31539SI.D	10/9/2010 13:31	2.13		6.37		1.80		5.64	
P5546 16/60 2.0 UG/ML	M31540SI.D	10/9/2010 13:42	2.13		6.37		1.80		5.64	
P5549 16/60 ICV 0.5 UG/ML	M31541CC.D	10/9/2010 13:52	2.13		6.37		1.80		5.64	
P5489 AR 1254 0.0625 UG/M	M31542SI.D	10/9/2010 14:02	2.14		6.37		1.80		5.64	
P5490 AR 1254 0.125 UG/ML	M31543SI.D	10/9/2010 14:12	2.14		6.37		1.80		5.64	
P5491 AR 1254 0.25 UG/ML	M31544SI.D	10/9/2010 14:23	2.14		6.37		1.80		5.64	
P5552 AR 1254 0.5 UG/ML	M31545SI.D	10/9/2010 14:33	2.13		6.37		1.80		5.64	
P5495 AR 1254 1.0 UG/ML	M31546SI.D	10/9/2010 14:43	2.13		6.37		1.80		5.64	
P5496 AR 1254 2.0 UG/ML	M31547SI.D	10/9/2010 14:54	2.13		6.37		1.80		5.64	
P5498 AR 1254 ICV 0.5 UG/M	M31548CC.D	10/9/2010 15:04	NA		NA		NA		NA	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

PCB
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967

STANDARD	FILE NAME	ANALYSIS DATE & TIME		COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5542 16/60 0.25 UG/ML	M31679SC.D	10/13/2010	10:57	2.14		6.39		1.80		5.65	
Upper Limit				2.20		6.42		1.86		5.68	
Lower limit				2.08		6.36		1.74		5.62	

SAMPLE ID											
P5550 AR 1254 0.25 UG/ML	M31680SC.D	10/13/2010	11:08	2.14		6.37		1.80		5.64	
B100810PSOX2,,A/C	M31681B.D	10/13/2010	11:55	2.14		6.40		1.80		5.65	
L100810PSOX2,,A/C	M31682Q.D	10/13/2010	12:05	2.14		6.38		1.80		5.65	
LD100810PSOX2,,A/C	M31683Q.D	10/13/2010	12:15	2.14		6.37		1.80		5.64	
67967-1,,A/C	M31685.D	10/13/2010	12:36	2.14		6.37		1.80		5.64	
67967-2,,A/C	M31686.D	10/13/2010	12:46	2.14		6.37		1.80		5.64	
67967-3,,A/C	M31687.D	10/13/2010	12:56	2.14		6.37		1.80		5.64	
67967-3,MS,,A/C	M31688SP.D	10/13/2010	13:07	2.14		6.37		1.80		5.64	
67967-3,MSD,,A/C	M31689SP.D	10/13/2010	13:17	2.14		6.37		1.80		5.64	
67967-4,,A/C	M31690.D	10/13/2010	13:27	2.14		6.37		1.80		5.64	
P5542 16/60 0.25 UG/ML	M31691SC.D	10/13/2010	13:37	2.14		6.37		1.80		5.64	
P5550 AR 1254 0.25 UG/ML	M31692SC.D	10/13/2010	13:48	2.14		6.37		1.80		5.64	
P5544 16/60 0.5 UG/ML	M31693SC.D	10/13/2010	13:58	2.14		6.37		1.80		5.64	
P5552 AR 1254 0.5 UG/ML	M31694SC.D	10/13/2010	14:08	2.14		6.37		1.80		5.64	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: Lab QC

Lab Sample ID: B101310PAS
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/13/10
Analysis Date: 10/16/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	79	%
Decachlorobiphenyl	61	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID: B101310PAS RR
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/13/10
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Lab QC

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	78	%
Decachlorobiphenyl	61	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	67967-1
Matrix:	Solid
Percent Solid:	79
Dilution Factor:	1.2
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/13/10
Analysis Date:	10/16/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-DC-01

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	6	U	Endosulfan II	6	U
b-BHC	6	U	4,4'-DDD	6	U
d-BHC	6	U	Endosulfan Sulfate	6	U
g-BHC	6	U	4,4'-DDT	6	U
Heptachlor	6	U	Methoxychlor	18	U
Aldrin	6	U	Endrin Ketone	6	U
Heptachlor Epoxide	6	U	Endrin Aldehyde	6	U
Endosulfan I	6	U	alpha-Chlordane	6	U
Dieldrin	6	U	gamma-Chlordane	6	U
4,4'-DDE	6	U	Toxaphene	79	U
Endrin	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	54	%
Decachlorobiphenyl	65	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID: 67967-1 RR
Matrix: Solid
Percent Solid: 79
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-DC-01

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	6	U	Endosulfan II	6	U
b-BHC	6	U	4,4'-DDD	6	U
d-BHC	6	U	Endosulfan Sulfate	6	U
g-BHC	6	U	4,4'-DDT	6	U
Heptachlor	6	U	Methoxychlor	18	U
Aldrin	6	U	Endrin Ketone	6	U
Heptachlor Epoxide	6	U	Endrin Aldehyde	6	U
Endosulfan I	6	U	alpha-Chlordane	6	U
Dieldrin	6	U	gamma-Chlordane	6	U
4,4'-DDE	6	U	Toxaphene	79	U
Endrin	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	54	%
Decachlorobiphenyl	61	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID: 67967-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/16/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-APN-01

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5.5	U	Endosulfan II	5.5	U
b-BHC	5.5	U	4,4'-DDD	5.5	U
d-BHC	5.5	U	Endosulfan Sulfate	5.5	U
g-BHC	5.5	U	4,4'-DDT	5.5	U
Heptachlor	5.5	U	Methoxychlor	17	U
Aldrin	5.5	U	Endrin Ketone	5.5	U
Heptachlor Epoxide	5.5	U	Endrin Aldehyde	5.5	U
Endosulfan I	5.5	U	alpha-Chlordane	5.5	U
Dieldrin	5.5	U	gamma-Chlordane	5.5	U
4,4'-DDE	5.5	U	Toxaphene	73	U
Endrin	5.5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	63	%
Decachlorobiphenyl	58	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

TTEC Pest

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: WC-B82-APN-01

Lab Sample ID: 67967-2 RR
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/18/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5.5	U	Endosulfan II	5.5	U
b-BHC	5.5	U	4,4'-DDD	5.5	U
d-BHC	5.5	U	Endosulfan Sulfate	5.5	U
g-BHC	5.5	U	4,4'-DDT	5.5	U
Heptachlor	5.5	U	Methoxychlor	17	U
Aldrin	5.5	U	Endrin Ketone	5.5	U
Heptachlor Epoxide	5.5	U	Endrin Aldehyde	5.5	U
Endosulfan I	5.5	U	alpha-Chlordane	5.5	U
Dieldrin	5.5	U	gamma-Chlordane	5.5	U
4,4'-DDE	5.5	U	Toxaphene	73	U
Endrin	5.5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	64	%
Decachlorobiphenyl	57	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: WC-B82-GTM-01

Lab Sample ID: 67967-3
Matrix: Solid
Percent Solid: 80
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/16/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	6	U	Endosulfan II	6	U
b-BHC	6	U	4,4'-DDD	6	U
d-BHC	6	U	Endosulfan Sulfate	6	U
g-BHC	6	U	4,4'-DDT	6	U
Heptachlor	6	U	Methoxychlor	18	U
Aldrin	6	U	Endrin Ketone	6	U
Heptachlor Epoxide	6	U	Endrin Aldehyde	6	U
Endosulfan I	6	U	alpha-Chlordane	6	U
Dieldrin	6	U	gamma-Chlordane	6	U
4,4'-DDE	6	U	Toxaphene	79	U
Endrin	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	59	%
Decachlorobiphenyl	59	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: WC-B82-GTM-01

Lab Sample ID: 67967-3 RR
Matrix: Solid
Percent Solid: 80
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/18/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	6	U	Endosulfan II	6	U
b-BHC	6	U	4,4'-DDD	6	U
d-BHC	6	U	Endosulfan Sulfate	6	U
g-BHC	6	U	4,4'-DDT	6	U
Heptachlor	6	U	Methoxychlor	18	U
Aldrin	6	U	Endrin Ketone	6	U
Heptachlor Epoxide	6	U	Endrin Aldehyde	6	U
Endosulfan I	6	U	alpha-Chlordane	6	U
Dieldrin	6	U	gamma-Chlordane	6	U
4,4'-DDE	6	U	Toxaphene	79	U
Endrin	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	59	%
Decachlorobiphenyl	57	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: WC-B82-GTM-02

Lab Sample ID: 67967-4
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.0
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/16/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	70	%
Decachlorobiphenyl	53	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: WC-B82-GTM-02

Lab Sample ID: 67967-4 RR
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.0
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/18/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	68	%
Decachlorobiphenyl	53	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

PESTICIDE SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B101310PAS	79		61		77		56	
L101310PAST	81		61		82		58	
LD101310PAST	79		63		79		55	
67967-1	54		65		53		37	*
67967-2	63		58		62		43	
67967-3	59		59		55		43	
67967-4	70		53		67		42	
67967-4,MS	71		53		69		41	
67967-4,MSD	69		53		67		40	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PESTICIDE FORM 2

PESTICIDE SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B101310PAS, RR	78		61		76		68	
L101310PAS,, RR	81		61		82		65	
LD101310PAS,, RR	81		64		81		67	
67967-1,, RR	54		61		54		46	
67967-2,, RR	64		57		64		55	
67967-3,, RR	59		57		57		54	
67967-4,, RR	68		53		68		49	
67967-4,MS,, RR	72		52		71		51	
67967-4,MSD,, RR	69		53		69		44	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

\# Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PESTICIDE FORM 2

PESTICIDE SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967
Non-spiked sample: B101310PAS
Spike: LI01310PAST
Spike duplicate: LD101310PAST

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
HEXACHLOROBENZENE	17	17	60	140	25	0	12	72		12	70		3	
A-BHC	17	17	63	110	30	0	12	74		12	74		0	
G-BHC	17	17	67	118	30	0	12	74		12	75		1	
B-BHC	17	17	66	116	30	0	13	78		13	79		2	
D-BHC	17	17	55	114	30	0	13	77		13	77		0	
HEPTACHLOR	17	17	64	115	30	0	12	73		12	74		2	
ALDRIN	17	17	68	115	30	0	12	74		13	75		1	
HEPTACHLOR EPOXIDE	17	17	69	117	30	0	13	76		13	77		1	
G-CHLORDANE	17	17	69	112	30	0	14	81		13	79		3	
A-CHLORDANE	17	17	70	113	30	0	13	77		13	77		1	
ENDOSULFAN I	17	17	73	117	30	0	13	79		13	77		2	
4,4-DDE	17	17	70	115	30	0	13	79		13	79		0	
DIELDRIN	17	17	71	116	30	0	13	79		13	79		0	
ENDRIN	17	17	79	122	30	0	14	81		13	81		1	
4,4-DDD	17	17	61	116	30	0	14	82		14	82		0	
ENDOSULFAN II	17	17	65	125	30	0	14	81		13	81		1	
4,4-DDT	17	17	72	125	30	0	14	84		14	86		3	
ENDRIN ALDEHYDE	17	17	35	127	30	0	15	89		15	90		0	
ENODOSULFAN SULFATE	17	17	46	128	30	0	14	83		14	82		1	
METHOXYCHLOR	17	17	62	140	30	0	14	85		14	86		1	
ENDRIN KETONE	17	17	70	123	30	0	15	88		15	88		0	
HEXACHLOROBENZENE #2	17	17	60	140	25	0	12	74		11	69		8	
A-BHC #2	17	17	68	110	30	0	12	74		12	74		0	
G-BHC #2	17	17	71	116	30	0	12	74		13	75		1	
B-BHC #2	17	17	76	120	30	0	12	73	*	13	76		4	
D-BHC #2	17	17	58	116	30	0	13	77		13	78		1	
HEPTACHLOR #2	17	17	68	110	30	0	13	75		13	76		1	
ALDRIN #2	17	17	67	108	30	0	12	75		13	76		1	
HEPTACHLOR EPOXIDE #2	17	17	70	111	30	0	13	76		13	75		1	
G-CHLORDANE #2	17	17	67	109	30	0	13	78		13	78		0	
A-CHLORDANE #2	17	17	71	111	30	0	13	79		13	79		0	
ENDOSULFAN I #2	17	17	71	112	30	0	13	78		13	76		2	
4,4-DDE #2	17	17	68	112	30	0	13	80		13	80		0	
DIELDRIN #2	17	17	70	108	30	0	13	79		13	79		1	
ENDRIN #2	17	17	75	116	30	0	13	81		13	80		0	
4,4-DDD #2	17	17	68	115	30	0	14	83		14	84		1	
ENDOSULFAN II #2	17	17	64	113	30	0	13	79		13	78		2	
4,4-DDT #2	17	17	69	121	30	0	14	83		14	86		3	
ENDRIN ALDEHYDE #2	17	17	37	106	30	0	14	86		14	86		1	
ENODOSULFAN SULFATE #2	17	17	60	113	30	0	13	78		13	80		3	
METHOXYCHLOR #2	17	17	68	126	30	0	14	84		14	84		0	
ENDRIN KETONE #2	17	17	78	117	30	0	16	94		14	86		9	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
LCS/LCSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

PESTICIDE SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967
Non-spiked sample: B101310PAS, RR
Spike: L101310PAS,, RR
Spike duplicate: LD101310PAS,, RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
HEXACHLOROBENZENE	17	17	60	140	25	0	12	71		12	69		2	
A-BHC	17	17	63	110	30	0	12	72		12	74		2	
G-BHC	17	17	67	118	30	0	12	74		13	75		2	
B-BHC	17	17	66	116	30	0	12	74		13	77		3	
D-BHC	17	17	55	114	30	0	13	77		13	78		1	
HEPTACHLOR	17	17	64	115	30	0	12	71		12	73		3	
ALDRIN	17	17	68	115	30	0	12	74		13	75		2	
HEPTACHLOR EPOXIDE	17	17	69	117	30	0	14	82		14	83		1	
G-CHLORDANE	17	17	69	112	30	0	302	1811	*	170	1018	*	56	*
A-CHLORDANE	17	17	70	113	30	0	12	74		13	77		3	
ENDOSULFAN I	17	17	73	117	30	0	12	74		13	75		1	
4,4-DDE	17	17	70	115	30	0	13	79		13	80		2	
DIELDRIN	17	17	71	116	30	0	13	77		13	77		1	
ENDRIN	17	17	79	122	30	0	13	80		14	81		2	
4,4-DDD	17	17	61	116	30	0	13	79		13	80		2	
ENDOSULFAN II	17	17	65	125	30	0	13	79		13	80		2	
4,4-DDT	17	17	72	125	30	0	14	83		15	88		6	
ENDRIN ALDEHYDE	17	17	35	127	30	0	13	81		14	86		6	
ENODOSULFAN SULFATE	17	17	46	128	30	0	14	85		14	83		2	
METHOXYCHLOR	17	17	62	140	30	0	14	82		14	85		3	
ENDRIN KETONE	17	17	70	123	30	0	24	143	*	24	142	*	1	
HEXACHLOROBENZENE #2	17	17	60	140	25	0	12	70		11	68		3	
A-BHC #2	17	17	68	110	30	0	13	79		13	79		1	
G-BHC #2	17	17	71	116	30	0	12	74		13	77		3	
B-BHC #2	17	17	76	120	30	0	12	74	*	13	76		4	
D-BHC #2	17	17	58	116	30	0	13	77		13	79		2	
HEPTACHLOR #2	17	17	68	110	30	0	12	75		13	77		4	
ALDRIN #2	17	17	67	108	30	0	14	86		14	86		0	
HEPTACHLOR EPOXIDE #2	17	17	70	111	30	0	13	77		13	78		2	
G-CHLORDANE #2	17	17	67	109	30	0	12	73		12	74		2	
A-CHLORDANE #2	17	17	71	111	30	0	9	52	*	9	51	*	2	
ENDOSULFAN I #2	17	17	71	112	30	0	13	75		13	78		4	
4,4-DDE #2	17	17	68	112	30	0	14	84		14	86		2	
DIELDRIN #2	17	17	70	108	30	0	14	81		15	88		8	
ENDRIN #2	17	17	75	116	30	0	14	86		15	90		5	
4,4-DDD #2	17	17	68	115	30	0	15	91		16	95		5	
ENDOSULFAN II #2	17	17	64	113	30	0	15	93		16	98		6	
4,4-DDT #2	17	17	69	121	30	0	15	92		16	95		3	
ENDRIN ALDEHYDE #2	17	17	37	106	30	0	15	90		15	90		1	
ENODOSULFAN SULFATE #2	17	17	60	113	30	0	13	79		14	83		4	
METHOXYCHLOR #2	17	17	68	126	30	0	14	84		14	83		2	
ENDRIN KETONE #2	17	17	78	117	30	0	16	97		15	89		8	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
LCS/LCSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

PESTICIDE SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967
Non-spiked sample: 67967-4
Spike: 67967-4,MS
Spike duplicate: 67967-4,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
HEXACHLOROBENZENE	18	18	60	140	25	0	11	62		10	56	*	11	
A-BHC	18	18	63	110	30	0	12	65		11	62	*	5	
G-BHC	18	18	67	118	30	0	12	65	*	11	63	*	4	
B-BHC	18	18	66	116	30	0	12	65	*	11	60	*	9	
D-BHC	18	18	55	114	30	0	13	71		13	71		0	
HEPTACHLOR	18	18	64	115	30	0	11	60	*	10	57	*	4	
ALDRIN	18	18	68	115	30	0	12	64	*	11	61	*	5	
HEPTACHLOR EPOXIDE	18	18	69	117	30	0	12	67	*	12	65	*	3	
G-CHLORDANE	18	18	69	112	30	0	215	1190	*	216	1197	*	0	
A-CHLORDANE	18	18	70	113	30	0	11	62	*	11	60	*	3	
ENDOSULFAN I	18	18	73	117	30	0	11	63	*	11	61	*	3	
4,4-DDE	18	18	70	115	30	0	13	71		12	67	*	5	
DIELDRIN	18	18	71	116	30	0	13	73		13	72		3	
ENDRIN	18	18	79	122	30	0	11	62	*	11	61	*	2	
4,4-DDD	18	18	61	116	30	0	14	75		13	73		4	
ENDOSULFAN II	18	18	65	125	30	0	14	77		13	74		4	
4,4-DDT	18	18	72	125	30	0	10	54	*	10	57	*	4	
ENDRIN ALDEHYDE	18	18	35	127	30	0	14	77		14	75		3	
ENODOSULFAN SULFATE	18	18	46	128	30	0	13	73		12	64		13	
METHOXYCHLOR	18	18	62	140	30	0	9	47	*	10	54	*	12	
ENDRIN KETONE	18	18	70	123	30	0	13	71		13	70		1	
HEXACHLOROBENZENE #2	18	18	60	140	25	0	10	57	*	9	51	*	11	
A-BHC #2	18	18	68	110	30	0	12	66	*	12	65	*	2	
G-BHC #2	18	18	71	116	30	0	12	65	*	11	63	*	4	
B-BHC #2	18	18	76	120	30	0	11	63	*	11	59	*	7	
D-BHC #2	18	18	58	116	30	0	12	66		12	65		3	
HEPTACHLOR #2	18	18	68	110	30	0	11	59	*	10	58	*	3	
ALDRIN #2	18	18	67	108	30	0	12	68		12	64	*	6	
HEPTACHLOR EPOXIDE #2	18	18	70	111	30	0	11	61	*	11	61	*	1	
G-CHLORDANE #2	18	18	67	109	30	0	11	59	*	10	57	*	4	
A-CHLORDANE #2	18	18	71	111	30	0	12	65	*	11	63	*	4	
ENDOSULFAN I #2	18	18	71	112	30	0	11	60	*	11	59	*	3	
4,4-DDE #2	18	18	68	112	30	0	13	70		12	66	*	7	
DIELDRIN #2	18	18	70	108	30	0	12	68	*	12	65	*	3	
ENDRIN #2	18	18	75	116	30	0	11	58	*	10	58	*	1	
4,4-DDD #2	18	18	68	115	30	0	16	87		15	83		5	
ENDOSULFAN II #2	18	18	64	113	30	0	12	65		11	63	*	3	
4,4-DDT #2	18	18	69	121	30	0	9	52	*	10	54	*	3	
ENDRIN ALDEHYDE #2	18	18	37	106	30	0	12	68		12	66		4	
ENODOSULFAN SULFATE #2	18	18	60	113	30	0	13	69		12	65		6	
METHOXYCHLOR #2	18	18	68	126	30	0	8	46	*	9	49	*	7	
ENDRIN KETONE #2	18	18	78	117	30	0	13	74	*	13	73	*	2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments:_____

PESTICIDE SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967
Non-spiked sample: 67967-4,, RR
Spike: 67967-4,MS,, RR
Spike duplicate: 67967-4,MSD,, RR

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
HEXACHLOROBENZENE	18	18	60	140	25	0	11	63		10	56	*	11	
A-BHC	18	18	63	110	30	0	12	64		11	62	*	5	
G-BHC	18	18	67	118	30	0	12	64	*	11	62	*	4	
B-BHC	18	18	66	116	30	0	11	63	*	11	58	*	8	
D-BHC	18	18	55	114	30	0	13	70		13	70		0	
HEPTACHLOR	18	18	64	115	30	0	10	53	*	9	53	*	2	
ALDRIN	18	18	68	115	30	0	12	65	*	11	61	*	6	
HEPTACHLOR EPOXIDE	18	18	69	117	30	0	12	68	*	12	66	*	3	
G-CHLORDANE	18	18	69	112	30	0	310	1712	*	251	1387	*	21	
A-CHLORDANE	18	18	70	113	30	0	11	60	*	11	59	*	2	
ENDOSULFAN I	18	18	73	117	30	0	11	63	*	11	61	*	3	
4,4-DDE	18	18	70	115	30	0	13	69	*	12	67	*	4	
DIELDRIN	18	18	71	116	30	0	13	70	*	12	69	*	2	
ENDRIN	18	18	79	122	30	0	10	54	*	10	55	*	1	
4,4-DDD	18	18	61	116	30	0	13	73		13	71		2	
ENDOSULFAN II	18	18	65	125	30	0	14	77		13	74		4	
4,4-DDT	18	18	72	125	30	0	7	40	*	8	44	*	9	
ENDRIN ALDEHYDE	18	18	35	127	30	0	13	72		12	68		5	
ENODOSULFAN SULFATE	18	18	46	128	30	0	12	69		11	63		9	
METHOXYCHLOR	18	18	62	140	30	0	6	32	*	7	41	*	22	
ENDRIN KETONE	18	18	70	123	30	0	22	120		16	88		31	*
HEXACHLOROBENZENE #2	18	18	60	140	25	0	11	60	*	10	54	*	10	
A-BHC #2	18	18	68	110	30	0	13	73		12	69		6	
G-BHC #2	18	18	71	116	30	0	12	66	*	12	64	*	4	
B-BHC #2	18	18	76	120	30	0	12	65	*	11	61	*	7	
D-BHC #2	18	18	58	116	30	0	12	68		12	66		3	
HEPTACHLOR #2	18	18	68	110	30	0	10	55	*	10	55	*	0	
ALDRIN #2	18	18	67	108	30	0	12	69		12	66	*	4	
HEPTACHLOR EPOXIDE #2	18	18	70	111	30	0	11	62	*	11	61	*	2	
G-CHLORDANE #2	18	18	67	109	30	0	11	59	*	10	57	*	4	
A-CHLORDANE #2	18	18	71	111	30	0	9	51	*	9	49	*	4	
ENDOSULFAN I #2	18	18	71	112	30	0	11	61	*	11	60	*	3	
4,4-DDE #2	18	18	68	112	30	0	13	72		12	68	*	6	
DIELDRIN #2	18	18	70	108	30	0	12	69	*	12	67	*	3	
ENDRIN #2	18	18	75	116	30	0	10	53	*	10	54	*	2	
4,4-DDD #2	18	18	68	115	30	0	16	87		15	85		3	
ENDOSULFAN II #2	18	18	64	113	30	0	13	73		12	67		9	
4,4-DDT #2	18	18	69	121	30	0	7	37	*	7	41	*	10	
ENDRIN ALDEHYDE #2	18	18	37	106	30	0	12	68		12	66		4	
ENODOSULFAN SULFATE #2	18	18	60	113	30	0	12	69		12	65		6	
METHOXYCHLOR #2	18	18	68	126	30	0	6	31	*	7	37	*	16	
ENDRIN KETONE #2	18	18	78	117	30	0	13	71	*	13	70	*	1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments:_____

W-L-101510-1-JK

analytics environmental laboratory LLC

101510-L

PEST/PCB/HERB
Instrument L
Sequence Log Book

Load: SJL
Unload: JL

Data File	Vial #	Sample	Method	Comments	Final Vol.
L20033-38	100	Hexane	PCB091510.m		
3Q0L	1	P5542 16/60 0.25ug/ml		✓	
40BL	4	P5550 AR1254 0.25ug/ml		✓	
41B	6	B101410PSOX.AL		✓	5ml
42Q	7	L101410PSOX.AL		✓	
43Q	8	LD101410PSOX.AL		✓	
44	9	68030-1.AL		✓	
45	10	68002-10, 1:5.AL		✓	
46	11	↓ -11, 1:5.AL		✓	
47SL	2	P5544 16/60 0.5ug/ml		✓	
48SL	5	P5552 AR1254 0.5ug/ml		✓	
49Q	12	B100810PSOYZ.RR.AL		✓	5ml
50	13	67957-1.RR.AL		✓	
51	14	67973-3.RR.AL		✓	
52	15	67984-9.RR.AL		✓	
53	16	67994-1.RR.AL		✓	
54SL	2	P5544 16/60 0.5ug/ml		col #1 ↓ TCX (83%), ↓ 60 (70%) + DCB (70%) col #2 ↓ DCB (76%)	
55SL	5	P5552 AR1254 0.5ug/ml		col #1 ↓ 54 (81%)	
56SL	1	P5542 16/60 0.25ug/ml		col #1 ↓ 60 (74%) + ↓ DCB (72%) col #2 ↓ DCB (79%)	
57SL	4	P5550 AR1254 0.25ug/ml		✓	
58-65	100	Hexane W-L-101510-2-AR			
66	17	P5440 PEM			
67	18	P5532 Pest 30 Test		Re-Cal	
68	19	P5441 C/T Test			
69	17	P5556 PEM		✓	
70SL	18	P5528 Pest 2.5		NOT USED	
71SL	18	P5528 Pest 2.5		✓	
73SL	20	P5529 Pest 5		✓	
74SL	21	P5530 Pest 10		✓	
75SL	22	P5531 Pest 20		✓	
76SL	23	P5532 Pest 30		✓	
77SL	24	P5533 Pest 50		✓	
78SL	25	P5534 Pest 100		✓	
79SL	26	P5535 Pest 150		✓	
80CL	27	P5537 Pest ICV 25		✓	
81SL	28	P5336 C/T 0.01/0.02		✓	
82SL	29	P5337 C/T 0.025/0.05		✓	
83SL	30	P5338 C/T 0.05/0.1		✓	
84SL	31	P5339 C/T 0.1/0.2		✓	
85SL	32	P5441 C/T 0.25/0.5		✓	
86SL	33	P5567 C/T 0.5/1.0		✓	

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uL sample +990 uL hexane
1:1000- 1 uL sample +1000 uL hexane

Hexane Lot: 1008355

MTBE Lot:

* Continued Onto the Next Pag

analytics environmental laboratory LLC

101510-L comp

PEST/PCB/HERB
Instrument L
Sequence Log Book

Load: JL
Unload: AN

Data File	Vial #	Sample	Method	Comments	Final Vol.
L20D8751	34	P5342 C/T 1.0/2.0		✓	
88CC	35	P5427 C/T ICV 0.5/1.0		✓	
89B	36	B101310PAS		✓ RR - window did not close	
90Q	37	L101310PAST		✓	
91Q	38	LD101310PAST		✓	
92	39	67957-1		✓	
93	40	67967-1		✓	
94	41	-2		✓	
95	42	-3		✓	
96	43	-4		✓	
97SP	44	-4.MS		✓ failures due to Matrix	
98SP	45	-4.MSD		✓	
99SC	32	P5441 C/T 0.25/0.5		↓Tox Col 1+2	
100SC	22	P5531 Pest 20		not evaluated	
01SC	23	P5532 Pest 30		failures	
02	17	P5556 PEM		↑DDT breakdown	

Jun 10.18.10

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot : 1008355

MTBE Lot:

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 3 04/08/10

[32]

analytics environmental laboratory LLC 101810-L

PEST/PCB/HERB
Instrument L
Sequence Log Bobk

Load: JW
Unload: MV

Data File	Vial #	Sample	Method	Comments	Final Vol.
L		W-L-101810-1-JW			
L20103-06	100	Hexane			
07	1	P5566 PEM		✓	
08SC	2	P5532 PEST 30		✓	
09SC	3	P5541 C/T 0.25/0.5		✓	
10B	6	B101310PAS, RR		✓	
11Q	7	Q101310PAS,,		Some failures ok 1st run	
12Q	8	QD101310PAS,,			
13	9	67957-1,,		✓	
14	10	67967-1,,		✓	
15	11	-2,,		✓	
16	12	-3,,		✓	
17	13	-4,,		✓	
18SP	14	-4,MS,, RR		failures due to matrix	
19SP	15	-4,MSD,,			
20SC	3	P5541 C/T 0.25/0.5		↓ tox confirms	
21SC	2	P5532 PEST30		failures confirm	
22	1	P5566 PEM		↑ brkdown confirms	

MV 10/18/10

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot :

MTBE Lot:

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 3 04/08/10

[33]

Data File Name **L20069.D**
Date Acquired **10/16/2010 5:04**
Sample Name **P5556 PEM**

10/17/10

Name	Target Response	% BREAKDOWN	MAX ~~20%~~ 15%
4,4-DDT	156060451.7	2%	OK
4,4-DDE	3516451.109		
4,4-DDD	0		
ENDRIN	211003381.3	8%	OK
ENDRIN ALDEHYDE	3602280.22		
ENDRIN KETONE	15576492.38		
4,4-DDT #2	378536093.9	0%	OK
4,4-DDE #2	0		
4,4-DDD #2	0		
ENDRIN #2	504976123.1	7%	OK
ENDRIN ALDEHYDE #2	6611314.052		
ENDRIN KETONE #2	32928139.75		

J101810

Data File Name **L20102.D**
Date Acquired **10/16/2010 11:03**
Sample Name **P5556 PEM**

PM 10/17/10

Name	Target Response	% BREAKDOWN	MAX ~~20%~~ 15%
4,4-DDT	73266494.8	30%	*
4,4-DDE	2134471.989		
4,4-DDD	28592387.87		
ENDRIN	181407695.8	14%	OK
ENDRIN ALDEHYDE	3280291.895		
ENDRIN KETONE	25372157.37		
4,4-DDT #2	164860559.6	25%	*
4,4-DDE #2	0		
4,4-DDD #2	55678885.61		
ENDRIN #2	434450801.1	13%	OK
ENDRIN ALDEHYDE #2	5612347.354		
ENDRIN KETONE #2	58442533.65		

5101810

Data File Name **L20107.D**
Date Acquired **10/18/2010 14:51**
Sample Name **P5566 PEM**

Name	Target Response	% BREAKDOWN	MAX ~~20%~~ 15%
4,4-DDT	150872765.7	4%	OK
4,4-DDE	4786515.125		
4,4-DDD	1821274.928		
ENDRIN	222159696.3	4%	OK
ENDRIN ALDEHYDE	3461326.751		
ENDRIN KETONE	5726527.081		
4,4-DDT #2	358139864.9	1%	OK
4,4-DDE #2	712466.197		
4,4-DDD #2	1689398.401		
ENDRIN #2	545552031	3%	OK
ENDRIN ALDEHYDE #2	4820227.049		
ENDRIN KETONE #2	11145820.83		

10.19.10

10/18/10

Data File Name **L20122.D**
Date Acquired **10/18/2010 17:51**
Sample Name **P5566 PEM**

10/18/10

Name	Target Response	% BREAKDOWN	MAX ~~20%~~ 15%
4,4-DDT	50851269.61	39%	*
4,4-DDE	4317418.376		
4,4-DDD	28555257.63		
ENDRIN	156312049.2	19%	~~OK~~ *
ENDRIN ALDEHYDE	4883084.389		
ENDRIN KETONE	32004860.05		
4,4-DDT #2	113598953.4	34%	*
4,4-DDE #2	0		
4,4-DDD #2	58180358.3		
ENDRIN #2	381105490.2	18%	~~OK~~ *
ENDRIN ALDEHYDE #2	9228750.493		
ENDRIN KETONE #2	75240821.75		

RR of window confirms failure

10.19.10

Acq. Method File C:\msdchem\1\METHODS\PT101510.M
Level 1 File Name L20071SI.D
Level 2 File Name L20073SI.D
Level 3 File Name L20074SI.D
Level 4 File Name L20075SI.D
Level 5 File Name L20076SI.D
Level 6 File Name L20077SI.D
Level 7 File Name L20078SI.D
Level 8 File Name L20079SI.D

Response= X + YA + Z(A*A)

10/17/10

Name	Calibration Fit	X	Y	Z	R^2	R
TCX	0	4.55E+06	3.50E+06	0.00E-01	1.000	1.000
HEXACHLOROBENZENE	0	5.80E+06	3.95E+06	0.00E-01	0.999	1.000
A-BHC	0	-1.88E+05	5.37E+06	0.00E-01	1.000	1.000
G-BHC	0	7.66E+05	4.82E+06	0.00E-01	1.000	1.000
B-BHC	0	4.84E+06	1.95E+06	0.00E-01	0.999	1.000
D-BHC	0	-3.38E+05	4.83E+06	0.00E-01	1.000	1.000
HEPTACHLOR	0	3.35E+06	4.23E+06	0.00E-01	1.000	1.000
ALDRIN	0	4.19E+06	3.97E+06	0.00E-01	1.000	1.000
HEPTACHLOR EPOXIDE	0	6.52E+06	3.67E+06	0.00E-01	0.999	1.000
G-CHLORDANE	**0**	**3.03E+07**	**3.67E+06**	**0.00E-01**	**0.925**	**0.962**
A-CHLORDANE	0	6.46E+06	3.61E+06	0.00E-01	0.999	1.000
ENDOSULFAN I	0	6.23E+06	3.29E+06	0.00E-01	0.999	1.000
4,4-DDE	0	3.35E+06	3.62E+06	0.00E-01	0.999	1.000
DIELDRIN	0	4.13E+06	3.77E+06	0.00E-01	0.999	1.000
ENDRIN	0	3.83E+06	3.40E+06	0.00E-01	0.999	0.999
4,4-DDD	0	4.35E+06	2.98E+06	0.00E-01	0.999	1.000
ENDOSULFAN II	0	6.99E+06	3.20E+06	0.00E-01	0.998	0.999
4,4-DDT	0	1.14E+06	3.17E+06	0.00E-01	1.000	1.000
ENDRIN ALDEHYDE	0	4.66E+06	2.25E+06	0.00E-01	0.998	0.999
ENODOSULFAN SULFATE	0	2.83E+06	2.60E+06	0.00E-01	0.999	1.000
METHOXYCHLOR	0	2.60E+06	1.50E+06	0.00E-01	0.999	0.999
ENDRIN KETONE	0	2.83E+06	3.25E+06	0.00E-01	1.000	1.000
DCB	0	3.17E+06	1.96E+06	0.00E-01	0.999	0.999
TCX #2	0	6.98E+06	6.93E+06	0.00E-01	0.999	0.999
HEXACHLOROBENZENE #2	0	3.80E+06	8.01E+06	0.00E-01	1.000	1.000
A-BHC #2	0	2.05E+06	1.11E+07	0.00E-01	0.998	0.999
G-BHC #2	0	3.36E+06	9.93E+06	0.00E-01	0.998	0.999
B-BHC #2	0	1.03E+07	3.86E+06	0.00E-01	0.997	0.999
D-BHC #2	0	1.88E+06	1.01E+07	0.00E-01	0.999	0.999
HEPTACHLOR #2	0	9.28E+06	9.63E+06	0.00E-01	0.999	0.999
ALDRIN #2	0	1.00E+07	9.03E+06	0.00E-01	0.998	0.999
HEPTACHLOR EPOXIDE #2	0	1.22E+07	8.29E+06	0.00E-01	0.998	0.999
G-CHLORDANE #2	0	4.75E+06	8.75E+06	0.00E-01	0.998	0.999
A-CHLORDANE #2	0	-1.52E+06	8.51E+06	0.00E-01	0.995	0.998
ENDOSULFAN I #2	0	1.86E+07	7.96E+06	0.00E-01	0.993	0.997
4,4-DDE #2	0	-5.48E+06	7.86E+06	0.00E-01	0.999	1.000
DIELDRIN #2	0	8.51E+06	8.68E+06	0.00E-01	0.997	0.998
ENDRIN #2	0	8.97E+06	7.93E+06	0.00E-01	0.996	0.998
4,4-DDD #2	0	8.16E+05	6.70E+06	0.00E-01	0.999	0.999
ENDOSULFAN II #2	0	1.45E+07	7.32E+06	0.00E-01	0.996	0.998
4,4-DDT #2	0	5.45E+05	7.72E+06	0.00E-01	0.998	0.999
ENDRIN ALDEHYDE #2	0	8.52E+06	5.36E+06	0.00E-01	0.998	0.999
ENODOSULFAN SULFATE #2	0	4.75E+06	6.51E+06	0.00E-01	0.998	0.999
METHOXYCHLOR #2	0	5.80E+06	3.74E+06	0.00E-01	0.997	0.998
ENDRIN KETONE #2	0	8.35E+06	7.98E+06	0.00E-01	0.998	0.999
DCB #2	0	-5.74E+06	5.61E+06	0.00E-01	1.000	1.000

Interfe
use Col
for G
chlorda

Linear Regression= 0
Avg RF= 1
Quadratic= 3

5101810

PM 10/17/10

PEST ICV

Data File Name L20080CC.D
Date Acquired 10/16/2010 7:16
Sample Name P5537 PEST ICV 25

Name	Ret Time	Expected Ret Time	RT Difference	Window	RT Pass	Amount	Recovery	80%-120% Recovery Pass
TCX	1.9744	1.9750	0.0006	0.0101	OK	46.64	93%	OK
HEXACHLOROBENZENE	2.2994	2.3001	0.0007	0.0132	OK	100.32	100%	OK
A-BHC	2.3886	2.3892	0.0006	0.0144	OK	24.98	100%	OK
G-BHC	2.6544	2.6551	0.0007	0.0160	OK	24.91	100%	OK
B-BHC	2.7158	2.7162	0.0005	0.0170	OK	26.05	104%	OK
D-BHC	2.9478	2.9482	0.0004	0.0178	OK	24.77	99%	OK
HEPTACHLOR	2.9999	3.0004	0.0005	0.0175	OK	25.54	102%	OK
ALDRIN	3.2613	3.2617	0.0004	0.0175	OK	24.54	98%	OK
HEPTACHLOR EPOXIDE	3.7204	3.7211	0.0006	0.0182	OK	24.77	99%	OK
G-CHLORDANE	3.8784	3.8891	0.0108	0.0177	OK	19.09	76%	* Interfere
A-CHLORDANE	3.9974	3.9978	0.0004	0.0178	OK	24.46	98%	OK in ICal
ENDOSULFAN I	4.0480	4.0484	0.0003	0.0179	OK	25.71	103%	OK
4,4-DDE	4.1326	4.1331	0.0005	0.0182	OK	24.78	99%	OK
DIELDRIN	4.2761	4.2770	0.0009	0.0188	OK	24.18	97%	OK
ENDRIN	4.5341	4.5346	0.0005	0.0184	OK	22.94	92%	OK
4,4-DDD	4.6236	4.6235	0.0002	0.0168	OK	24.57	98%	OK
ENDOSULFAN II	4.7147	4.7154	0.0008	0.0177	OK	25.11	100%	OK
4,4-DDT	4.8824	4.8828	0.0004	0.0145	OK	25.56	102%	OK
ENDRIN ALDEHYDE	4.9815	4.9821	0.0006	0.0150	OK	26.67	107%	OK
ENODOSULFAN SULFATE	5.1810	5.1812	0.0002	0.0142	OK	26.53	106%	OK
METHOXYCHLOR	5.3669	5.3665	0.0004	0.0123	OK	27.09	108%	OK
ENDRIN KETONE	5.5321	5.5322	0.0001	0.0120	OK	27.75	111%	OK
DCB	6.2041	6.2043	0.0002	0.0112	OK	41.38	83%	OK
TCX #2	1.6553	1.6559	0.0007	0.0054	OK	46.47	93%	OK
HEXACHLOROBENZENE #2	1.8605	1.8612	0.0008	0.0038	OK	99.93	100%	OK
A-BHC #2	1.9509	1.9513	0.0004	0.0038	OK	24.81	99%	OK
G-BHC #2	2.1378	2.1382	0.0004	0.0029	OK	24.56	98%	OK
B-BHC #2	2.1917	2.1923	0.0006	0.0025	OK	23.03	92%	OK
D-BHC #2	2.3065	2.3070	0.0005	0.0025	OK	24.25	97%	OK
HEPTACHLOR #2	2.4433	2.4436	0.0003	0.0022	OK	24.94	100%	OK
ALDRIN #2	2.6469	2.6474	0.0004	0.0017	OK	24.16	97%	OK
HEPTACHLOR EPOXIDE #2	3.0735	3.0740	0.0005	0.0016	OK	24.31	97%	OK
G-CHLORDANE #2	3.1675	3.1679	0.0004	0.0018	OK	24.31	97%	OK
A-CHLORDANE #2	3.2648	3.2635	0.0013	0.0019	OK	24.92	100%	OK
ENDOSULFAN I #2	3.3646	3.3647	0.0000	0.0011	OK	25.02	100%	OK
4,4-DDE #2	3.3309	3.3310	0.0001	0.0029	OK	23.70	95%	OK
DIELDRIN #2	3.5456	3.5459	0.0003	0.0015	OK	23.50	94%	OK
ENDRIN #2	3.7223	3.7225	0.0002	0.0012	OK	22.21	89%	OK
4,4-DDD #2	3.7927	3.7917	0.0010	0.0117	OK	23.22	93%	OK
ENDOSULFAN II #2	3.8984	3.8985	0.0001	0.0021	OK	23.55	94%	OK
4,4-DDT #2	4.0109	4.0104	0.0005	0.0064	OK	23.88	96%	OK
ENDRIN ALDEHYDE #2	4.2294	4.2295	0.0001	0.0023	OK	26.08	104%	OK
ENODOSULFAN SULFATE #2	4.5792	4.5794	0.0002	0.0025	OK	25.93	104%	OK
METHOXYCHLOR #2	4.4162	4.4150	0.0011	0.0136	OK	26.11	104%	OK
ENDRIN KETONE #2	4.8022	4.8020	0.0002	0.0021	OK	27.66	111%	OK
DCB #2	5.4969	5.4972	0.0003	0.0038	OK	39.84	80%	OK

5101810

Acq. Method File C:\msdchem\1\METHODS\CT101510.M
Level 1 File Name L20081SI.D
Level 2 File Name L20082SI.D
Level 3 File Name L20083SI.D
Level 4 File Name L20084SI.D
Level 5 File Name L20085SI.D
Level 6 File Name L20086SI.D
Level 7 File Name L20087SI.D

10/17/10

Response= X + YA + Z(A*A)

Name	Calibration Fit	X	Y	Z	R^2	R
Chlordane-1	0	2.18E+06	1.43E+08	0.00E-01	1.000	1.000
Chlordane-2	0	2.02E+06	1.82E+08	0.00E-01	1.000	1.000
Chlordane-3	0	2.26E+06	1.48E+08	0.00E-01	1.000	1.000
Chlordane-4	0	-2.87E+06	1.75E+08	0.00E-01	0.983	0.991
G-Chlordane	0	2.44E+06	4.22E+08	0.00E-01	1.000	1.000
A-Chlordane	0	1.99E+06	3.66E+08	0.00E-01	1.000	1.000
Toxaphene-1	0	-4.30E+05	5.75E+07	0.00E-01	0.999	1.000
Toxaphene-2	0	-9.21E+04	9.87E+07	0.00E-01	0.999	1.000
Toxaphene-3	0	-4.18E+05	8.98E+07	0.00E-01	0.999	1.000
Toxaphene-4	0	-6.68E+05	1.59E+08	0.00E-01	0.999	1.000
Toxaphene-5	0	-8.44E+05	1.21E+08	0.00E-01	0.999	1.000
Toxaphene-6	0	-6.28E+05	5.38E+07	0.00E-01	0.999	0.999
Toxaphene-7	0	-1.85E+06	5.05E+07	0.00E-01	0.998	0.999
Chlordane-1 #2	0	-3.96E+05	2.78E+08	0.00E-01	1.000	1.000
Chlordane-2 #2	0	-8.07E+05	4.09E+08	0.00E-01	0.999	1.000
Chlordane-3 #2	0	1.65E+06	2.73E+08	0.00E-01	1.000	1.000
Chlordane-4 #2	0	-3.91E+05	2.60E+08	0.00E-01	1.000	1.000
G-Chlordane #2	0	-2.91E+06	1.15E+09	0.00E-01	0.999	1.000
A-Chlordane #2	0	-2.18E+06	1.72E+09	0.00E-01	0.999	1.000
Toxaphene-1 #2	0	-3.11E+05	1.21E+08	0.00E-01	0.999	1.000
Toxaphene-2 #2	0	4.25E+05	1.15E+08	0.00E-01	1.000	1.000
Toxaphene-3 #2	0	-7.18E+05	3.44E+08	0.00E-01	0.999	1.000
Toxaphene-4 #2	0	-1.00E+06	3.02E+08	0.00E-01	1.000	1.000
Toxaphene-5 #2	0	-1.53E+06	2.80E+08	0.00E-01	0.999	0.999
Toxaphene-6 #2	0	-3.40E+06	2.97E+08	0.00E-01	0.999	1.000
Toxaphene-7 #2	0	-1.15E+06	2.45E+08	0.00E-01	0.999	1.000

ıear Regression=	0
Avg RF=	1
Quadratic=	3

0101810

CHLORDANE/TOXAPHENE
INITIAL CALIBRATION VERIFICATION

PM 10/17/10

Instrument ID: L

GC Column #1: RTX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.25 mm

SDG:

Standard ID: P5427 C/T ICV 0.5/1.0

Data File ID: L20088CC.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.551	110		0.508	102	
Toxaphene	1.043	104		1.041	104	

Lower Limit	Upper Limit
80	120

Column to be used to flag recovery values outside of QC limits

* Values outside QC limits

Comments: 5201910

CHLORDANE/TOXAPHENE FORM 7

CHLORDANE/TOXAPHENE
CONTINUING CALIBRATION

Instrument ID: L
GC Column #1: RTX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: RTX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967
Standard ID: P5441 C/T 0.25/0.5
Data File ID: L20099SC.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.220	88		0.235	94	
Toxaphene	0.263	53	*	0.268	54	*

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

CHLORDANE/TOXAPHENE FORM 7

PESTICIDE
CONTINUING CALIBRATION

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5532 PEST 30
Data File ID: L20101SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Recovery	#
TCX	30	100	
HEXACHLOROBENZENE	29	98	
A-BHC	29	96	
G-BHC	28	94	
B-BHC	30	99	
D-BHC	29	96	
HEPTACHLOR	23	78	*
ALDRIN	29	98	
HEPTACHLOR EPOXIDE	29	98	
G-CHLORDANE	52	173	*
A-CHLORDANE	29	96	
ENDOSULFAN I	29	95	
4,4-DDE	29	95	
DIELDRIN	28	94	
ENDRIN	25	82	
4,4-DDD	34	114	
ENDOSULFAN II	31	104	
4,4-DDT	13	44	*
ENDRIN ALDEHYDE	30	99	
ENODOSULFAN SULFATE	29	97	
METHOXYCHLOR	14	47	*
ENDRIN KETONE	28	93	
DCB	29	96	
TCX #2	30	100	
HEXACHLOROBENZENE #2	30	98	
A-BHC #2	30	99	
G-BHC #2	29	96	
B-BHC #2	28	94	
D-BHC #2	29	96	
HEPTACHLOR #2	24	79	*
ALDRIN #2	30	100	
HEPTACHLOR EPOXIDE #2	30	100	
G-CHLORDANE #2	28	92	
A-CHLORDANE #2	23	76	*
ENDOSULFAN I #2	28	92	
4,4-DDE #2	31	102	
DIELDRIN #2	29	97	
ENDRIN #2	25	82	
4,4-DDD #2	35	118	
ENDOSULFAN II #2	29	98	
4,4-DDT #2	13	44	*
ENDRIN ALDEHYDE #2	29	96	
ENODOSULFAN SULFATE #2	29	96	
METHOXYCHLOR #2	14	47	*
ENDRIN KETONE #2	26	86	
DCB #2	29	95	

Lower Limit	Upper Limit
80	120

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

PESTICIDE FORM 7

PESTICIDE
CONTINUING CALIBRATION

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5532 PEST 30
Data File ID: L20108SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Recovery	#
TCX	29	97	
HEXACHLOROBENZENE	29	96	
A-BHC	29	96	
G-BHC	29	96	
B-BHC	29	97	
D-BHC	29	97	
HEPTACHLOR	29	97	
ALDRIN	29	98	
HEPTACHLOR EPOXIDE	30	99	
G-CHLORDANE	23	77	*
A-CHLORDANE	29	98	
ENDOSULFAN I	29	98	
4,4-DDE	29	97	
DIELDRIN	29	98	
ENDRIN	30	100	
4,4-DDD	30	100	
ENDOSULFAN II	29	97	
4,4-DDT	29	97	
ENDRIN ALDEHYDE	30	101	
ENODOSULFAN SULFATE	32	106	
METHOXYCHLOR	32	106	
ENDRIN KETONE	31	102	
DCB	32	108	
TCX #2	29	98	
HEXACHLOROBENZENE #2	29	97	
A-BHC #2	29	98	
G-BHC #2	30	99	
B-BHC #2	28	95	
D-BHC #2	29	98	
HEPTACHLOR #2	30	100	
ALDRIN #2	30	100	
HEPTACHLOR EPOXIDE #2	30	100	
G-CHLORDANE #2	30	100	
A-CHLORDANE #2	31	102	
ENDOSULFAN I #2	29	98	
4,4-DDE #2	31	102	
DIELDRIN #2	30	101	
ENDRIN #2	31	103	
4,4-DDD #2	31	105	
ENDOSULFAN II #2	30	99	
4,4-DDT #2	29	98	
ENDRIN ALDEHYDE #2	30	99	
ENODOSULFAN SULFATE #2	32	108	
METHOXYCHLOR #2	33	109	
ENDRIN KETONE #2	29	96	
DCB #2	30	101	

Lower Limit	Upper Limit
80	120

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

PESTICIDE FORM 7

CHLORDANE/TOXAPHENE
CONTINUING CALIBRATION

Instrument ID: L
GC Column #1: RTX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: RTX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967
Standard ID: P5441 C/T 0.25/0.5
Data File ID: L20109SC.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.239	96		0.241	96	
Toxaphene	0.457	91		0.480	96	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

CHLORDANE/TOXAPHENE FORM 7

CHLORDANE/TOXAPHENE
CONTINUING CALIBRATION

PM 10/19/10

Instrument ID: L
GC Column #1: RTX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: RTX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5441 C/T 0.25/0.5
Data File ID: L20120SC.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.216	86		0.233	93	
Toxaphene	0.277	55	*	0.240	48	*

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: RR of window confirms failures

VJ 10.19.10

CHLORDANE/TOXAPHENE FORM 7

PESTICIDE
CONTINUING CALIBRATION

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5532 PEST 30
Data File ID: L20121SC.D

COMPOUND	STANDARD RESULT (ug/L)	% Recovery	#
TCX	29	97	
HEXACHLOROBENZENE	28	94	
A-BHC	28	93	
G-BHC	27	89	
B-BHC	28	94	
D-BHC	28	92	
HEPTACHLOR	21	70	*
ALDRIN	28	95	
HEPTACHLOR EPOXIDE	27	91	
G-CHLORDANE	21	71	*
A-CHLORDANE	27	91	
ENDOSULFAN I	28	92	
4,4-DDE	28	92	
DIELDRIN	28	92	
ENDRIN	20	67	*
4,4-DDD	31	104	
ENDOSULFAN II	31	103	
4,4-DDT	9	31	*
ENDRIN ALDEHYDE	28	95	
ENODOSULFAN SULFATE	27	89	
METHOXYCHLOR	9	30	*
ENDRIN KETONE	22	73	*
DCB	30	100	
TCX #2	29	98	
HEXACHLOROBENZENE #2	29	97	
A-BHC #2	29	97	
G-BHC #2	28	93	
B-BHC #2	28	92	
D-BHC #2	28	94	
HEPTACHLOR #2	22	73	*
ALDRIN #2	29	98	
HEPTACHLOR EPOXIDE #2	29	98	
G-CHLORDANE #2	28	92	
A-CHLORDANE #2	29	96	
ENDOSULFAN I #2	28	92	
4,4-DDE #2	30	98	
DIELDRIN #2	28	95	
ENDRIN #2	21	69	*
4,4-DDD #2	33	109	
ENDOSULFAN II #2	27	90	
4,4-DDT #2	9	29	*
ENDRIN ALDEHYDE #2	28	94	
ENODOSULFAN SULFATE #2	28	94	
METHOXYCHLOR #2	10	34	*
ENDRIN KETONE #2	22	74	*
DCB #2	29	98	

Lower Limit	Upper Limit
80	120

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

PESTICIDE FORM 7

PESTICIDE
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5532 PEST 30	L20108SC.D	10/18/2010 15:19	1.98		6.21		1.65		5.50	
Upper Limit			2.04		6.24		1.71		5.53	
Lower limit			1.92		6.18		1.59		5.47	
SAMPLE ID										
B101310PAS, RR	L20110B.D	10/18/2010 15:47	1.98		6.21		1.66		5.50	
L101310PAS,, RR	L20111Q.D	10/18/2010 15:57	1.97		6.20		1.65		5.49	
LD101310PAS,, RR	L20112Q.D	10/18/2010 16:08	1.97		6.20		1.65		5.49	
67967-1,, RR	L20114.D	10/18/2010 16:28	1.97		6.20		1.65		5.49	
67967-2,, RR	L20115.D	10/18/2010 16:39	1.97		6.20		1.65		5.49	
67967-3,, RR	L20116.D	10/18/2010 16:49	1.97		6.20		1.65		5.49	
67967-4,, RR	L20117.D	10/18/2010 16:59	1.97		6.20		1.65		5.49	
67967-4,MS,, RR	L20118SP.D	10/18/2010 17:10	1.97		6.20		1.65		5.49	
67967-4,MSD,, RR	L20119SP.D	10/18/2010 17:20	1.97		6.20		1.65		5.49	
P5532 PEST 30	L20121SC.D	10/18/2010 17:41	1.97		6.20		1.65		5.49	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

PESTICIDE
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5532 PEST 30	L20076SI.D	10/16/2010 6:35	1.97		6.20		1.66		5.50	
Upper Limit			2.03		6.23		1.72		5.53	
Lower limit			1.91		6.17		1.60		5.47	
SAMPLE ID										
P5528 PEST 2.5	L20070SI.D	10/16/2010 5:38	1.98		6.21		1.65		5.50	
P5528 PEST 2.5	L20071SI.D	10/16/2010 5:48	1.97		6.21		1.65		5.50	
P5529 PEST 5	L20073SI.D	10/16/2010 6:04	1.98		6.21		1.66		5.50	
P5530 PEST 10	L20074SI.D	10/16/2010 6:14	1.97		6.21		1.65		5.50	
P5531 PEST 20	L20075SI.D	10/16/2010 6:24	1.97		6.20		1.65		5.50	
P5532 PEST 30	L20076SI.D	10/16/2010 6:35	1.97		6.20		1.66		5.50	
P5533 PEST 50	L20077SI.D	10/16/2010 6:45	1.97		6.20		1.65		5.50	
P5534 PEST 100	L20078SI.D	10/16/2010 6:55	1.97		6.20		1.65		5.50	
P5535 PEST 150	L20079SI.D	10/16/2010 7:06	1.97		6.20		1.65		5.50	
P5537 PEST ICV 25	L20080CC.D	10/16/2010 7:16	1.97		6.20		1.66		5.50	
B101310PAS	L20089B.D	10/16/2010 8:49	1.97		6.20		1.65		5.50	
LI01310PAST	L20090Q.D	10/16/2010 8:59	1.97		6.20		1.65		5.50	
LD101310PAST	L20091Q.D	10/16/2010 9:10	1.97		6.20		1.65		5.50	
67967-1	L20093.D	10/16/2010 9:30	1.97		6.20		1.65		5.50	
67967-2	L20094.D	10/16/2010 9:41	1.97		6.20		1.65		5.50	
67967-3	L20095.D	10/16/2010 9:51	1.97		6.20		1.65		5.50	
67967-4	L20096.D	10/16/2010 10:01	1.98		6.20		1.66		5.50	
67967-4,MS	L20097SP.D	10/16/2010 10:12	1.97		6.20		1.65		5.50	
67967-4,MSD	L20098SP.D	10/16/2010 10:22	1.97		6.20		1.65		5.50	
P5532 PEST 30	L20101SC.D	10/16/2010 10:53	1.97		6.20		1.65		5.50	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	B100710TAS
Matrix:	Solid
Percent Solid:	100
Dilution Factor:	1
Collection Date:	N/A
Lab Receipt Date:	N/A
Extraction Date:	10/07/01
Analysis Date:	10/08/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	LABQC

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
U	mg/kg	5

Surrogate Standard Recovery

m-Terphenyl	93	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis.

TPH layout

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	67967-1
Matrix:	Solid
Percent Solid:	79
Dilution Factor:	1.3
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/07/10
Analysis Date:	10/08/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-DC-01

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
56	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis. Quantitation performed based on a No. 2 Fuel/Diesel Oil standard.

TPH layout

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	67967-2
Matrix:	Solid
Percent Solid:	88
Dilution Factor:	1.1
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/07/10
Analysis Date:	10/08/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-APN-01

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
84	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis. Quantitation performed based on a No. 2 Fuel/Diesel Oil standard.

TPH layout

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	67967-3
Matrix:	Solid
Percent Solid:	80
Dilution Factor:	1.2
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/07/10
Analysis Date:	10/08/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GTM-01

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
54	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis. Quantitation performed based on a No. 2 Fuel/Diesel Oil standard.

TPH layout

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	67967-4
Matrix:	Solid
Percent Solid:	91
Dilution Factor:	1.1
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/07/10
Analysis Date:	10/08/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GTM-02

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
72	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis. Quantitation performed based on a No. 2 Fuel/Diesel Oil standard.

TPH layout

Authorized signature

TOTAL PETROLEUM HYDROCARBONS SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67967

SAMPLE ID	SMC 1 (%)	#
B100710TAS	93	
L100710TAS	92	
LD100710TAS	97	
67967-2	95	
67967-3	95	
67967-4	95	
67967-1	95	

	Lower Limit	Upper Limit
SMC #1 = m-terphenyl	60	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

TPH FORM 2

TOTAL PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/DUPLICATE
PERCENT RECOVERY

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67967
Non-spiked sample: B100710TAS
Spike: L100710TAS
Spike duplicate: LD100710TAS

COMPOUND	LCS SPIKE ADDED (mg/kg)	LCSD SPIKE ADDED (mg/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (mg/kg)	SPIKE RESULT (mg/kg)	SPIKE % REC	#	SPIKE DUP RESULT (mg/kg)	SPIKE DUP % REC	#	RPD	#
TPH LOW (<1.0)	67	67	64	117	20	0	49	74		53	80		8	
TPH HIGH (>1.0)	67	67	64	117	20	0	49	74		53	80		8	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
Spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

TPH FORM 3

TPH / DRO Instrument: G

analytics environmental laboratory LLC

Load: gf

Detector: B 100410 - G (cont.) Unload:

Run	Vial #	Sample	Method	Comments
G69567	99	$MeCl_2$		
69	51	T6811 #2 FO RT STD	T100410B.m	✓
71	52	T6786 #2 FO 0.025		✓
73	53	T6787 #2 FO 0.05		✓
75	54	T6788 #2 FO 0.1		✓
77	55	T6798 #2 FO 0.5		✓
79	56	T6799 #2 FO 1.0		✓
81	57	T6789 #2 FO 2.0		✓
83	58	T6790 #2 FO 5.0		✓
85	59	T6791 #2 FO 10.0		✓
87	60	T6792 #2 FO 25.0		✓
89	61	T6796 #2 FO 1.0 CC, ICV		✓
91B	62	B093010DW		✓
93B	63	~~L093010DW#2~~ B092910TAS		✓
95Q	64	L093010DW#2		✓
97Q	65	L092910TAS		✓
99Q	66	LD092910TAS		✓
G69601	67	67897 - 1		✓
03	68	-2		✓
05	69	-3		✓
07	70	-4		✓
09	71	-5		✓
11	72	-6		✓
13	73	-7		✓
15	74	-8		✓
17	75	-9		✓
19	76	-10		✓
~~21~~	~~77 51~~	~~T6811 #2 FO 0.025 TAS~~ T6811 #2 FO RT STD		shift from dirty samples
~~23SC~~	~~78 55~~	T6798 #2 FO 0.5		✓
25SC	79 56	T6799 #2 FO 1.0		✓
27B	63	~~B100410TAS B09301~~ B092910TAS RR		✓
29SP	77	~~L100410TAS~~ 67897-10,MS		✓
31SP	78	LD100410TAS -10,MSD		✓
33	79	-11		RR 2X

(cont.)

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

TPH / DRO Instrument: G

analytics environmental laboratory LLC

Load: gg

Detector: B 100810-G Unload: gg

Run	Vial #	Sample	Method	Comments
G69697	99	$MeCl_2$	T100410B.m / TC10410B.m	
99	51	T6811 #2 FO RT STD		✓✓
G69701	52	T6798 #2 FO 0.5		✓✓
03B	54	B100710TAS		✓✓
05Q	55	L100710TAS		✓✓
07Q	56	LD100710TAS		✓✓
09	57	67935-2	T100410B.m	✓
11	58	67967-2		✓
13	59	-3		✓
15	60	-4		✓
17	61	-1		✓
19	62	67947-3 gg 10/12/10	T100410B.m / TC10410B.m	✓
21	51	T6811 #2 FO RT STD		✓
23 SC	52	T6798 #2 FO 0.5		✓
25 SC	53	T6799 #2 FO 1.0		✓

gg 10/12/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Response Factor Report INST G

Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010

Calibration Files
0.02 =G69571SI.D 0.05 =G69573SI.D 0.1 =G69575SI.D
0.5 =G69577SI.D 1.0 =G69579SI.D 2.0 =G69581SI.D

	Compound	0.02	0.05	0.1	0.5	1.0	2.0	Avg	%RSD
1) S	M-TERPHENYL	3.462	2.873	2.308	2.327	2.393	2.470	2.613 E4	14.79
2) HM	TPH LOW (<1.0)	2.765	1.709	1.601	1.723	1.997	2.027	2.069 E7	18.39
3) HM	TPH HIGH (>1.0)	2.765	1.709	1.601	1.723	1.997	2.027	2.069 E7	18.39

(#) = Out of Range ### Number of calibration levels exceeded format ###
T100410B.M Thu Oct 07 15:46:22 2010 Page 1

TOTAL PETROLEUM HYDROCARBONS
INITIAL CALIBRATION VERIFICATION

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: T6796 #2 FO CC 1.0 MG/
Data File ID: G69589Q.D

COMPOUND	STANDARD RESULT (mg/mL)	% Recovery	#
M-TERPHENYL	91.4	91	
TPH LOW (<1.0)	1.051	105	
TPH HIGH (>1.0)	1.051	105	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

TPH FORM 7

TOTAL PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67967
Standard ID: T6798 #2 FO 0.5 MG/ML
Data File ID: G69701.D

COMPOUND	STANDARD RESULT (mg/mL)	% Recovery	#
M-TERPHENYL	51.8	104	
TPH LOW (<1.0)	0.484	97	
TPH HIGH (>1.0)	0.484	97	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

TPH FORM 7

TOTAL PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67967
Standard ID: T6798 #2 FO 0.5 MG/ML
Data File ID: G69723SC.D

COMPOUND	STANDARD RESULT (mg/mL)	% Recovery	#
M-TERPHENYL	51.4	103	
TPH LOW (<1.0)	0.517	103	
TPH HIGH (>1.0)	0.517	103	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

TPH FORM 7

TOTAL PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 67967
Standard ID: T6799 #2 FO 1.0 MG/ML
Data File ID: G69725SC.D

COMPOUND	STANDARD RESULT (mg/mL)	% Recovery	#
M-TERPHENYL	111.4	111	
TPH LOW (<1.0)	1.149	115	
TPH HIGH (>1.0)	1.149	115	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

TPH FORM 7

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-DC-01

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Collection Date: 10/06/10 7:15
Lab Receipt Date: 10/06/10
Analysis Date: 10/06/10

Flash Point Analysis

Sample	Result	Units
67967-1	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-APN-01

SAMPLE DATA

Lab Sample ID: 67967-2
Matrix: Solid
Collection Date: 10/06/10 7:20
Lab Receipt Date: 10/06/10
Analysis Date: 10/06/10

Flash Point Analysis

Sample	Result	Units
67967-2	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-GTM-01

SAMPLE DATA

Lab Sample ID: 67967-3
Matrix: Solid
Collection Date: 10/06/10 7:30
Lab Receipt Date: 10/06/10
Analysis Date: 10/06/10

Flash Point Analysis

Sample	Result	Units
67967-3	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-GTM-02

SAMPLE DATA

Lab Sample ID: 67967-4
Matrix: Solid
Collection Date: 10/06/10 7:40
Lab Receipt Date: 10/06/10
Analysis Date: 10/06/10

Flash Point Analysis

Sample	Result	Units
67967-4	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-DC-01

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Collection Date: 10/06/10 Time Collected: 7:15
Lab Receipt Date: 10/06/10
Analysis Date: 10/08/10 Time Analyzed: 1:58

pH ANALYSIS

Sample	Result	Units
67967-1	**7.1**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-APN-01

SAMPLE DATA

Lab Sample ID: 67967-2
Matrix: Solid
Collection Date: 10/06/10 Time Collected: 7:20
Lab Receipt Date: 10/06/10
Analysis Date: 10/08/10 Time Analyzed: 2:01

pH ANALYSIS

Sample	Result	Units
67967-2	**7.3**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-GTM-01

SAMPLE DATA

Lab Sample ID: 67967-3
Matrix: Solid
Collection Date: 10/06/10 Time Collected: 7:30
Lab Receipt Date: 10/06/10
Analysis Date: 10/08/10 Time Analyzed: 2:04

pH ANALYSIS

Sample	Result	Units
67967-3	**7.9**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-GTM-02

SAMPLE DATA

Lab Sample ID: 67967-4
Matrix: Solid
Collection Date: 10/06/10 Time Collected: 7:40
Lab Receipt Date: 10/06/10
Analysis Date: 10/08/10 Time Analyzed: 2:07

pH ANALYSIS

Sample	Result	Units
67967-4	**8.0**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-DC-01

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Percent Solid 79%
Collection Date: 10/06/10 7:15
Lab Receipt Date: 10/06/10
Analysis Date: 10/07/10

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	12	1
Cyanide Reactivity	U	mg/kg	13	1

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: Reactivity results are expressed on a dry weight basis.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Client Sample ID:	WC-B82-APN-01

SAMPLE DATA

Lab Sample ID:	67967-2
Matrix:	Solid
Percent Solid	88%
Collection Date:	10/06/10 7:20
Lab Receipt Date:	10/06/10
Analysis Date:	10/07/10

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	11	0.9
Cyanide Reactivity	U	mg/kg	11	1

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: Reactivity results are expressed on a dry weight basis.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-GTM-01

SAMPLE DATA

Lab Sample ID: 67967-3
Matrix: Solid
Percent Solid 80%
Collection Date: 10/06/10 7:30
Lab Receipt Date: 10/06/10
Analysis Date: 10/07/10

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	12	1
Cyanide Reactivity	U	mg/kg	12	1

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: Reactivity results are expressed on a dry weight basis.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Client Sample ID:	WC-B82-GTM-02

SAMPLE DATA

Lab Sample ID:	67967-4
Matrix:	Solid
Percent Solid	91%
Collection Date:	10/06/10 7:40
Lab Receipt Date:	10/06/10
Analysis Date:	10/07/10

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	11	1
Cyanide Reactivity	U	mg/kg	10	0.9

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: **Reactivity results are expressed on a dry weight basis.**

Authorized signature

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-62043-1

SDG Number: 67967

Job Description: NAS SOWEY 106-2282

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
10/28/2010 7:33 AM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
10/28/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SAV	SW846 7471B	
Preparation, Mercury	TAL SAV		SW846 7471B
Specific Conductance	TAL PEN	SW846 9050A	
Deionized Water Leaching Procedure	TAL PEN		ASTM DI Leach
Organic Carbon, Total (TOC)	TAL SAV	SW846 9060A	

Lab References:

TAL PEN = TestAmerica Pensacola

TAL SAV = TestAmerica Savannah

Method References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Method	Analyst	Analyst ID
SW846 6010C	Bland, Brian	BCB
SW846 7471B	Vasquez, Juana	JV
SW846 9050A	Gimlin, Wendy	WG
SW846 9060A	Holmes, Tinita	TH

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-62043-1	WC-B82-DC-01	Solid	10/06/2010 0715	10/08/2010 0950
680-62043-2	WC-B82-APN-01	Solid	10/06/2010 0720	10/08/2010 0950
680-62043-3	WC-B82-GTM-01	Solid	10/06/2010 0730	10/08/2010 0950
680-62043-4	WC-B82-GTM-02	Solid	10/06/2010 0740	10/08/2010 0950

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Client Sample ID: **WC-B82-DC-01**

Lab Sample ID: 680-62043-1
Client Matrix: Solid
% Moisture: 20.2

Date Sampled: 10/06/2010 0715
Date Received: 10/08/2010 0950

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-182951		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-182698		Lab File ID:	1013101108.chr
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Date Analyzed:	10/13/2010 1912			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2010 1435				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2.1	J	0.68	2.3
Barium		17		0.35	1.2
Cadmium		0.12	U	0.12	0.58
Chromium		6.8		0.58	1.2
Silver		0.11	U	0.11	1.2
Lead		16		0.61	1.2
Selenium		1.2	U	1.2	2.9

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-183856		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-183493		Lab File ID:	b102110a.chr
Dilution:	1.0			Initial Weight/Volume:	0.51 g
Date Analyzed:	10/21/2010 1527			Final Weight/Volume:	50 mL
Date Prepared:	10/20/2010 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	J	0.010	0.025

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Client Sample ID: **WC-B82-APN-01**

Lab Sample ID: 680-62043-2
Client Matrix: Solid
% Moisture: 10.4

Date Sampled: 10/06/2010 0720
Date Received: 10/08/2010 0950

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-182951		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-182698		Lab File ID:	1013101108.chr
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	10/13/2010 1938			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2010 1435				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		0.70	J	0.65	2.2
Barium		14		0.33	1.1
Cadmium		0.11	U	0.11	0.55
Chromium		4.5		0.55	1.1
Silver		0.11	U	0.11	1.1
Lead		4.9		0.58	1.1
Selenium		1.1	U	1.1	2.7

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-183856		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-183493		Lab File ID:	b102110a.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	10/21/2010 1530			Final Weight/Volume:	50 mL
Date Prepared:	10/20/2010 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0088	U	0.0088	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Client Sample ID: **WC-B82-GTM-01**

Lab Sample ID: 680-62043-3
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 10/06/2010 0730
Date Received: 10/08/2010 0950

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-182951		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-182698		Lab File ID:	1013101108.chr
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	10/13/2010 1944			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2010 1435				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		0.60	U	0.60	2.0
Barium		11		0.31	1.0
Cadmium		0.10	J	0.10	0.51
Chromium		4.3		0.51	1.0
Silver		0.098	U	0.098	1.0
Lead		5.7		0.54	1.0
Selenium		1.0	U	1.0	2.6

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-183856		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-183493		Lab File ID:	b102110a.chr
Dilution:	1.0			Initial Weight/Volume:	0.51 g
Date Analyzed:	10/21/2010 1533			Final Weight/Volume:	50 mL
Date Prepared:	10/20/2010 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0086	U	0.0086	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Client Sample ID: **WC-B82-GTM-02**

Lab Sample ID: 680-62043-4
Client Matrix: Solid
% Moisture: 8.7

Date Sampled: 10/06/2010 0740
Date Received: 10/08/2010 0950

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-182951		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-182698		Lab File ID:	1013101108.chr
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	10/13/2010 1949			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2010 1435				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		0.98	J	0.63	2.1
Barium		14		0.32	1.1
Cadmium		0.11	U	0.11	0.54
Chromium		6.3		0.54	1.1
Silver		0.10	U	0.10	1.1
Lead		300		0.57	1.1
Selenium		1.1	U	1.1	2.7

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-183856		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-183493		Lab File ID:	b102110a.chr
Dilution:	1.0			Initial Weight/Volume:	0.54 g
Date Analyzed:	10/21/2010 1537			Final Weight/Volume:	50 mL
Date Prepared:	10/20/2010 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0083	U	0.0083	0.020

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

General Chemistry

Client Sample ID: **WC-B82-DC-01**

Lab Sample ID: 680-62043-1
Client Matrix: Solid

Date Sampled: 10/06/2010 0715
Date Received: 10/08/2010 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Specific Conductance-Soluble	530		umhos/cm	10	100	1.0	9050A
Analysis Batch: 400-119046	Date Analyzed: 10/20/2010 1500						DryWt Corrected: N
Total Organic Carbon	22000		mg/Kg	1000	3000	1.0	9060A
Analysis Batch: 680-183799	Date Analyzed: 10/21/2010 1113						DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

General Chemistry

Client Sample ID: **WC-B82-APN-01**

Lab Sample ID: 680-62043-2
Client Matrix: Solid

Date Sampled: 10/06/2010 0720
Date Received: 10/08/2010 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Specific Conductance-Soluble	110		umhos/cm	10	100	1.0	9050A
Analysis Batch: 400-119046	Date Analyzed: 10/20/2010 1500						DryWt Corrected: N
Total Organic Carbon	6700		mg/Kg	1000	3000	1.0	9060A
Analysis Batch: 680-183799	Date Analyzed: 10/21/2010 1113						DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

General Chemistry

Client Sample ID: **WC-B82-GTM-01**

Lab Sample ID: 680-62043-3
Client Matrix: Solid

Date Sampled: 10/06/2010 0730
Date Received: 10/08/2010 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Specific Conductance-Soluble	150		umhos/cm	10	100	1.0	9050A
Analysis Batch: 400-119046	Date Analyzed: 10/20/2010 1500						DryWt Corrected: N
Total Organic Carbon	1300	J	mg/Kg	1000	3000	1.0	9060A
Analysis Batch: 680-183799	Date Analyzed: 10/21/2010 1113						DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

General Chemistry

Client Sample ID: **WC-B82-GTM-02**

Lab Sample ID: 680-62043-4
Client Matrix: Solid

Date Sampled: 10/06/2010 0740
Date Received: 10/08/2010 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Specific Conductance-Soluble	91	J	umhos/cm	10	100	1.0	9050A
Analysis Batch: 400-119046	Date Analyzed: 10/20/2010 1500						DryWt Corrected: N
Total Organic Carbon	2100	J	mg/Kg	1000	3000	1.0	9060A
Analysis Batch: 680-183799	Date Analyzed: 10/21/2010 1113						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Method Blank - Batch: 680-182698

Method: 6010C
Preparation: 3050B

Lab Sample ID: MB 680-182698/15-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2010 1831
Date Prepared: 10/12/2010 1435

Analysis Batch: 680-182951
Prep Batch: 680-182698
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 1013101108.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.59	U	0.59	2.0
Barium	0.30	U	0.30	1.0
Cadmium	0.10	U	0.10	0.50
Chromium	0.50	U	0.50	1.0
Silver	0.096	U	0.096	1.0
Lead	0.53	U	0.53	1.0
Selenium	1.0	U	1.0	2.5

Lab Control Sample - Batch: 680-182698

Method: 6010C
Preparation: 3050B

Lab Sample ID: LCS 680-182698/16-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2010 1836
Date Prepared: 10/12/2010 1435

Analysis Batch: 680-182951
Prep Batch: 680-182698
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 1013101108.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	198	99	75 - 125	
Barium	200	197	98	75 - 125	
Cadmium	5.00	5.34	107	75 - 125	
Chromium	20.0	20.7	103	75 - 125	
Silver	5.00	4.55	91	75 - 125	
Lead	50.0	53.3	107	75 - 125	
Selenium	200	205	102	75 - 125	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-182698

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-62051-A-1-C MS	Analysis Batch: 680-182951	Instrument ID: ICPD
Client Matrix:	Solid	Prep Batch: 680-182698	Lab File ID: 1013101108.chr
Dilution:	1.0		Initial Weight/Volume: 1.04 g
Date Analyzed:	10/13/2010 1846		Final Weight/Volume: 100 mL
Date Prepared:	10/12/2010 1435		

MSD Lab Sample ID:	680-62051-A-1-D MSD	Analysis Batch: 680-182951	Instrument ID: ICPD
Client Matrix:	Solid	Prep Batch: 680-182698	Lab File ID: 1013101108.chr
Dilution:	1.0		Initial Weight/Volume: 1.04 g
Date Analyzed:	10/13/2010 1851		Final Weight/Volume: 100 mL
Date Prepared:	10/12/2010 1435		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	93	98	75 - 125	5	20		
Barium	100	120	75 - 125	10	20		
Cadmium	100	106	75 - 125	5	20		
Chromium	97	107	75 - 125	4	20		
Silver	86	92	75 - 125	6	20		
Lead	96	103	75 - 125	5	20		
Selenium	94	99	75 - 125	5	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Method Blank - Batch: 680-183493

Method: 7471B
Preparation: 7471B

Lab Sample ID: MB 680-183493/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/21/2010 1521
Date Prepared: 10/20/2010 1045

Analysis Batch: 680-183856
Prep Batch: 680-183493
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b102110a.chr
Initial Weight/Volume: 0.51 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0080	U	0.0080	0.020

Lab Control Sample - Batch: 680-183493

Method: 7471B
Preparation: 7471B

Lab Sample ID: LCS 680-183493/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/21/2010 1524
Date Prepared: 10/20/2010 1045

Analysis Batch: 680-183856
Prep Batch: 680-183493
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b102110a.chr
Initial Weight/Volume: 0.52 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.240	0.257	107	80 - 120	

Matrix Spike - Batch: 680-183493

Method: 7471B
Preparation: 7471B

Lab Sample ID: 680-62177-A-1-F MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/21/2010 1614
Date Prepared: 10/20/2010 1045

Analysis Batch: 680-183856
Prep Batch: 680-183493
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b102110a.chr
Initial Weight/Volume: 0.52 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0095	U	0.114	0.130	114	80 - 120	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Duplicate - Batch: 680-183493

Method: 7471B
Preparation: 7471B

Lab Sample ID:	680-62177-A-1-E DU	Analysis Batch:	680-183856	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-183493	Lab File ID:	b102110a.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.54 g
Date Analyzed:	10/21/2010 1600			Final Weight/Volume:	50 mL
Date Prepared:	10/20/2010 1045				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.0095	U	0.0090	NC	20	U

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Method Blank - Batch: 400-119046

Method: 9050A
Preparation: N/A

Lab Sample ID: MB 400-118986/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/20/2010 1500
Date Prepared: N/A
Date Leached: 10/20/2010 0900

Analysis Batch: 400-119046
Prep Batch: N/A
Units: umhos/cm

Leachate Batch: 400-118986

Instrument ID: Cond Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Specific Conductance-Soluble	34.4	J	10	100

Lab Control Sample - Batch: 400-119046

Method: 9050A
Preparation: N/A

Lab Sample ID: LCS 400-118986/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/20/2010 1500
Date Prepared: N/A
Date Leached: 10/20/2010 0900

Analysis Batch: 400-119046
Prep Batch: N/A
Units: umhos/cm

Leachate Batch: 400-118986

Instrument ID: Cond Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Specific Conductance-Soluble	197	198	101	98 - 102	

Duplicate - Batch: 400-119046

Method: 9050A
Preparation: N/A

Lab Sample ID: 680-62043-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/20/2010 1500
Date Prepared: N/A
Date Leached: 10/20/2010 0900

Analysis Batch: 400-119046
Prep Batch: N/A
Units: umhos/cm

Leachate Batch: 400-118986

Instrument ID: Cond Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance-Soluble	530	524	2	2	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Method Blank - Batch: 680-183799

Method: 9060A
Preparation: N/A

Lab Sample ID:	MB 680-183799/1	Analysis Batch:	680-183799	Instrument ID:	TOC2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	100 mg
Date Analyzed:	10/21/2010 1113			Final Weight/Volume:	1.0 mL
Date Prepared:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	1000	U	1000	3000

Lab Control Sample - Batch: 680-183799

Method: 9060A
Preparation: N/A

Lab Sample ID:	LCS 680-183799/2	Analysis Batch:	680-183799	Instrument ID:	TOC2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	100 mg
Date Analyzed:	10/21/2010 1113			Final Weight/Volume:	100 mg
Date Prepared:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	60000	63900	107	60 - 140	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183799

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	680-62043-3	Analysis Batch:	680-183799	Instrument ID:	TOC2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	101.3 mg
Date Analyzed:	10/21/2010 1113			Final Weight/Volume:	101.3 mg
Date Prepared:	N/A				
MSD Lab Sample ID:	680-62043-3	Analysis Batch:	680-183799	Instrument ID:	TOC2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	101.7 mg
Date Analyzed:	10/21/2010 1113			Final Weight/Volume:	101.7 mg
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon	105	105	60 - 140	0	40		

Chain Of Custody Form

TA - 6A

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Lab Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: 106-2282 Proj. Name: NAS-SOWEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO#67967 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type	pH	Analytics Sample #
WC-B82-DC-01	10/6/10	715	RCRA 8 Metals/Sp. Cond. /TOC		X						S	3 G		67967 -1
WC-B82-APN-01		720	RCRA 8 Metals/Sp. Cond. /TOC		X						S	G		-2
WC-B82-GTM-01		730	RCRA 8 Metals/Sp. Cond. /TOC		X						S	G		-3
WC-B82-GTM-02		740	RCRA 8 Metals/Sp. Cond. /TOC		X						S	G		-4

Received By: Time: Date:
Received By: Time: 500 Date: 10/7/10
Received By: Time: 09:50 Date: 10/8/10
Relinquished By: Relinquished By: Relinquished By:

Email Results to:
mgulli@analyticslab.com
cpayne@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒ 10 Days 10/20/10
*Fee may apply; lab approval required

Comments / Instructions:

Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☐ DOD* ☒ Level IV*
☐ Standard

State:
☐ NH
☒ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)

EDD Required: Y* N
Type: TTEC EDD

Analytics\AEL Documents\AEL COC

Page 1 of 1

3.1
680-62013 62043

EXTRACTION
LOGBOOK PAGES

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 10/07/10

Initials: JL

EXTRACT TRANSFER SHEET

Semi-Volatile Compounds:

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
67771-2	8270ASE	10/07/10	Solid		15.37	1.0	100.00	
67771-5	8270ASE	10/07/10	Solid		15.50	1.0	100.00	
67772-5	8270DPAH	10/07/10	Solid		15.32	1.0	100.00	
67772-6	8270DPAH	10/07/10	Solid		15.42	1.0	100.00	
67957-1	8270ASE	10/07/10	Solid		7.32	1.0		
67967-1	8270ASE	10/07/10	Solid		15.29	1.0		
67967-2	8270ASE	10/07/10	Solid		15.58	1.0		
67967-3	8270ASE	10/07/10	Solid		15.58	1.0		
67967-4	8270ASE	10/07/10	Solid		15.29	1.0		

SL 10/7/10

JEB 10.8.10

analytics environmental laboratory LLC

Base Neutral Acid Extractables Solid Preparation Logbook

Circle Method Reference SW-846 3550B Sonication
SW-846 3545 Accelerated Solvent Extraction (ASE)

Date: 10.7.10 Time: 12:00pm QC Batch ID: Q-P-100710-2-KE
Initials: KE Prep. Batch ID: P-P-100710-2-KE

Sample #	Matrix	Weight (g)	① mL Surrogate	② mL ③ Spike	Final Vol MeCl2	Cook Down Date	TurboVap #
B100710AASE	Na2Soy	15.00	0.5 KE	-	1ml	10.7.10 KE	4
L100710ASE	Si Sand	15.08	0.5	1.0mL/1.0mL KE			
LD100710ASE		15.14	0.5	1.0mL/1.0mL			
67771-2 LOD1	Si Sand	15.37	0.5 JW	② 100mL/100mL ③ JW			
-5 2		15.50	0.5	② 50mL/50mL ③			
67772-5 3		15.32	0.5	200mL ③			
-6 4		15.42	0.5	② 125mL/125mL ③			1
67967-1	Sand	15.29	0.5	-			
-2		15.08	0.5	-			
-3		15.58	0.5 KE	-			
-4		15.29	0.5	-			
67957-1 *	Woodchips	7.32	0.5 KE	-			4
67967-4, MS	Sand	15.31	0.5	1.0/1.0 KE			
-4, MSD		15.49	0.5	1.0/1.0			
LOD/LOQ 5	Si Sand	15.23	0.5 JW	② 62.5mL/62.5mL ③			
LOD100710AASE-Adds		15.11	0.5 ④	50ml ④ ②			
LOQ100710AASE-Adds		15.21	0.5	100ml ④			

JW 10/7/10

Signature

	Lot #	Exp. Date
MeCl2:	J04500	4.30.11
1:1 Acetone/MeCl2:	–	–
Silica Sand:	F1612035P	1.13.15
Na2SO4:	E0310	5.21.15

	Lot #	Exp Date	Syringe #
① ABN Surrogate:	S10132	3.24.11	PS-050
② ABN Spike (40 ug/mL):	S10143	3.28.11	PS-042 PS-006
③ Benzidines Spike (80 ug/mL):	S10125	3.22.11	PS-046 PS-026
PAH Surrogate (5.0 ug/mL):	–	–	–
PAH MS (5.0 ug/mL):	–	–	–
④ DOD Extras MS	S10130	3.23.11	PS-006

1mL vol: 1680

Balance Used: ScL.3
ASE Used: ASE-2
Sonicator Used: –

LOD/LOQ spike amts per MG. -JW 10.7.10

* weight limited due to matrix. KE 10.7.10

Rev 2 10/12/09

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 10/12/10

Initials: JL

EXTRACT TRANSFER SHEET

Polychlorinated Biphenyl PCB

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
67967-1	8082SOX	10/08/10	Solid		10.62	5.0	78.74	
67967-2	8082SOX	10/08/10	Solid		10.38	5.0	88.48	
67967-3	8082SOX	10/08/10	Solid		10.55	5.0	80.22	
67967-4	8082SOX	10/08/10	Solid		10.86	5.0	90.79	
~~67976-1~~	~~8082SOX~~	~~10/08/10~~	~~Solid~~		~~10.29~~	~~5.0~~	~~86.56~~	
67976-2	8082SOX	10/08/10	Solid		10.81	5.0	86.19	
67976-3	8082SOX	10/08/10	Solid		10.30	5.0	72.26	
67976-4	8082SOX	10/08/10	Solid		10.14	5.0	93.55	
67976-5	8082SOX	10/08/10	Solid		10.02	5.0	87.70	
67976-6	8082SOX	10/08/10	Solid		10.62	5.0	80.74	
67976-7	8082SOX	10/08/10	Solid		10.01	5.0	80.06	
67976-8	8082SOX	10/08/10	Solid		10.66	5.0	89.38	
67976-9	8082SOX	10/08/10	Solid		10.26	5.0	86.85	
67976-10	8082SOX	10/08/10	Solid		10.39	5.0	92.83	
67976-11	8082SOX	10/08/10	Solid		10.10	5.0	87.97	
67976-12	8082SOX	10/08/10	Solid		10.16	5.0	75.92	
67976-13	8082SOX	10/08/10	Solid		10.02	5.0	90.95	
67976-14	8082SOX	10/08/10	Solid		10.11	5.0	80.26	
67976-15	8082SOX	10/08/10	Solid		10.27	5.0	84.48	
67976-16	8082SOX	10/08/10	Solid		10.02	5.0	83.64	
67976-17	8082SOX	10/08/10	Solid		10.78	5.0	93.58	
~~67976-19~~	~~8082SOX~~	~~10/08/10~~	~~Solid~~		~~10.01~~	~~5.0~~		
67985-1	8082SOXWI	10/08/10	Wipe		1.00	5.0		

KE 10.12.10

JW 10.12.10

KE 10.12.10

Pesticide and PCB Solid Preparation Logbook

Analytics environmental laboratory Method References SW-846 3540C Soxhlet

Date: 10·8·10 Start Time: 7 12pm QC Batch ID: Q-P-100810-2-EB
Initials: JU Prep. Batch ID P-P-100810-2-JU
Reviewed by: JU 10.12.10 Stop Time: 11:17am

Sample #	Matrix	Weight (g)	1 mL Surr	2 mL Spike	Mantle Position	Cook Down Date	Volumetric Serial #	Final Vol. Hexane	Turbo Vap #	Clean Up
B100810PSOX2	Na2SO4	10.00	0.5 EB	—	25	10.12.10	256	5 mL	4	ALC
L100810PSOX2	Si Sand	10.07	0.5	0.5 EB	26	KE				
LD100810PSOX2	↓	10.14	0.5	0.5	27					
L100810PSOXW	wipe	1.0	0.5	0.5	28					
LD100810PSOXW	↓	1.0	0.5	0.5	29					
67967-1	soil	10.62	0.5	—	30					
-2	sandy soil	10.38	0.5	—	31				2	
-3	Sand	10.55	0.5	—	32					
-3,MS		10.02	0.5		33					
-3,MSD		10.32	0.5		34					
-4	↓	10.86	0.5	—	35					
67985-1	wipes	1.0	0.5 (2)	—	JU 10.8.10 ~~36~~ 40					
-2		1.0	0.5	—	41				1	
-3		1.0	0.5	—	42					
-4		1.0	0.5	—	43					
-5		1.0	0.5	—	44					
-6		1.0	0.5	—	45					
-7		1.0	0.5	—	46				4	
-8		1.0	0.5	—	47					
-9	↓	1.0	0.5	—	48					
67957-1	wood chips	7.16 *	0.5 EB	—	36					
67973-3	soil	10.16	0.5	—	37				2	
67984-9	clay	10.95	0.5	—	38				4	
67994-1	wood chips	7.16 *	0.5	—	39				4	
68001-1	concrete	10.02	0.5 (2)	—	24				2	
					KE 10.12.10					

	Lot #	Exp. Date
Hexane:	1008355	10.12.15
Si Sand:	F16120350P	1.13.15
Na_2SO_4:	E0310	5.21.15
1:1 MeCl2/Acetone:	M8132	4.8.10
Diatomaceous earth:	—	—
Conc H2SO4:	093330	5.17.15
Florisil Cartridge:	—	—

* wt. lim. due to matrix. - JU 10.8.10

	Lot #	Exp Date	Syringe #
(1) PP Surrogate (1.0 ug/mL):	P5526	3.23.11	PS-052
(2) PCB MS (4.0 ug/mL):	P5522	2.4.11	PS-050
Pest Spike (500 ug/L):	—	—	—

Balance: —

SCL: SCL-3

AEL_Documents:_TopLevelOldServer:AEL Documents LLC:logbooks:PREP LOGBOOKS.xls 10/20/09 Rev 1

67984-9 → diffic matrix. - JU 10.8.10

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 10/14/10

Initials: SMC

EXTRACT TRANSFER SHEET

Organochlorine PST

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
67957-1	8081ASE	10/13/10	Solid		15.14	5.0	48.02	
67967-1	8081ASE	10/13/10	Solid		15.75	5.0	78.74	
67967-2	8081ASE	10/13/10	Solid		15.75	5.0	88.48	
67967-3	8081ASE	10/13/10	Solid		15.37	5.0	80.22	
67967-4	8081ASE	10/13/10	Solid		15.86	5.0	90.79	
68020-1	8081ASE	10/13/10	Solid		15.57	5.0		
68020-2	8081ASE	10/13/10	Solid		15.30	5.0		
68020-3	8081ASE	10/13/10	Solid		15.17	5.0		

SC 10/14/10
VKE 10.15.10

Pesticide and PCB Solid and Waste Preparation Logbook

analytics environmental laboratory LLC

Method References: SW-846 3550B Sonication
~~SW-846 3545~~ Accelerated Solvent Extraction (ASE)
SW-846 3580 Concentrated Waste Dilution

5ml vol: 256

Date: 10.13.10 Time: 1140 pm QC Batch ID: Q-P-101310-1-SC
Initials: SC Prep. Batch ID: P-P-101310-1-SC
Reviewed by: JKG 10.15.10

Sample #	Matrix	Weight (g)	1 mL Surr	2 mL Spike	Final Vol Hexane	Cook Down Date	TurboVap #	CleanUp
B101310PAS	Na_2SO_4	15.00	0.5	—	5ml	10.14.10	3	Flor
L101310PASF	Sisand	15.36	0.5	0.5				
LD101310PASF		15.88	0.5	0.5				
67957-1	Solid	15.14	0.5	—				
67967-1	Soil	16.75	0.5	—				
-2		15.75	0.5	—				
-3		15.37	0.5	—				
-4		15.86	0.5	—				
-4,MS		15.22	0.5	0.5				
-4,MSD		15.25	0.5	0.5				
G8020-1		15.57	0.5	—				
-2		15.30	0.5	—				
-3		15.17	0.5	—				

10/14/10

	Lot #	Exp. Date
Hexane:	1008355	10.7.15
Si Sand:	F1612038P	1.13.15
Na_2SO_4:	E0310	5.21.15
Diatomaceous earth	—	—
Conc H2SO4	—	—
Florisil Cartridge	806020-BPCA	10.14.15

	Lot #	Exp Date	Syringe #
PP Surrogate (1.0 ug/mL):	P5526	3.23.11	PS-020
PCB MS (4.0 ug/mL):	—	—	—
2 Pest Spike (500 ug/L):	P5564	4.13.10	PS-050

Balance: SC1-3
ASE: ASE-2
Sonicator: —

10/12/09 Rev 2

[23]

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 10/08/10

Initials: JL

EXTRACT TRANSFER SHEET

Petroleum Hydrocarbons:

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
67935-2	8015TASE	10/07/10	Solid		15.97	1.0		
67947-3	8100TASE	10/07/10	Solid		15.80	1.0	80.87	
67967-1	8015TASE	10/07/10	Solid		15.03	1.0		
67967-2	8015TASE	10/07/10	Solid		15.60	1.0		
67967-3	8015TASE	10/07/10	Solid		15.29	1.0		
67967-4	8015TASE	10/07/10	Solid		15.11	1.0		

SL 10/8/10

EB 10.8.10

analytics environmental laboratory LLC

Total Petroleum Hydrocarbon/ Diesel Range Organics
Solid and Waste Dilution Preparation Logbook

Circle Method Reference SW-846 3550B Sonication
SW-846 3545 Accelerated Solvent Extraction (ASE)
SW-846 3580 Waste Dilution
ME HETL 4.1.25

Date: 10·7·10 Time: 10:00Am QC Batch ID: Q-P-092910-1-KE
Initials: KE Prep. Batch ID: P-P-100710-1-KE
Reviewed by: 10/8/10

Sample #	Matrix	Weight (g)	mL Surr ①	mL Spike ②	Final Vol MeCl2	Cook Down Date	TurboVap #
B100710TAS	Na2 SO4	15.00	1.0 KE	-	1ml	10·7·10 (SO)	~~2~~ 1
L100710TAS	Si Sand	15.30	1.0	1.0 KE			
LD100710TAS	⊥	15.68	1.0	1.0 ⊥			
67935-2	Sand	15.97	1.0	-			
67967-1	Sand	15.03	1.0	-			
-2		15.60	1.0	-			2
-3		15.29	1.0	-			
-4		15.11	1.0	-			
67947-3		15.80	1.0	-			

10/8/10

1ml vol: 1910

	Lot #	Exp Date
MeCl2:	J04500	4.30.11
Si Sand:	F161203SP	1·13·15
Na2SO4:	E0310	5.21.15
1:1 MeCl2/Acetone:	-	-

Balance: SCL-3
ASE: ~~ABC~~-2
Sonicator: -

	Lot #	Exp Date	Syringe #
① DRO/TPH Surrogate (0.1 mg/mL):	T6832	2·9·11	PS-042
DRO Spike (1.0 ug/mL):	-	-	-
② #2 Fuel Oil Spike (1.0 ug/mL):	T6742	12·9·10	PS-046
#6 Fuel Oil Spike (1.0 ug/mL):	-	-	-

AnalyticsLLC:AEL Documents LLC:logbooks:PREP LOGBOOKS.xls Rev 4 10/12/09

VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: MB10150C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	91	%	d8-Toluene	98	%	Bromofluorobenzen	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76542.D Vial: 10
Acq On : 15 Oct 2010 3:43 pm Operator: MT
Sample : MB10150C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

100

OM 10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.16	168	200271	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.65	114	403505	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.18	117	349041	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.89	152	143402	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	8.04	65	137526	18.08 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 90.40%		
36) d4-1,2-Dichloroethane	8.04	65	138847	18.24 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.20%		
54) d8-Toluene	10.91	98	437242	19.65 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.25%		
73) Bromofluorobenzene	15.05	95	159351	19.40 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.00%		

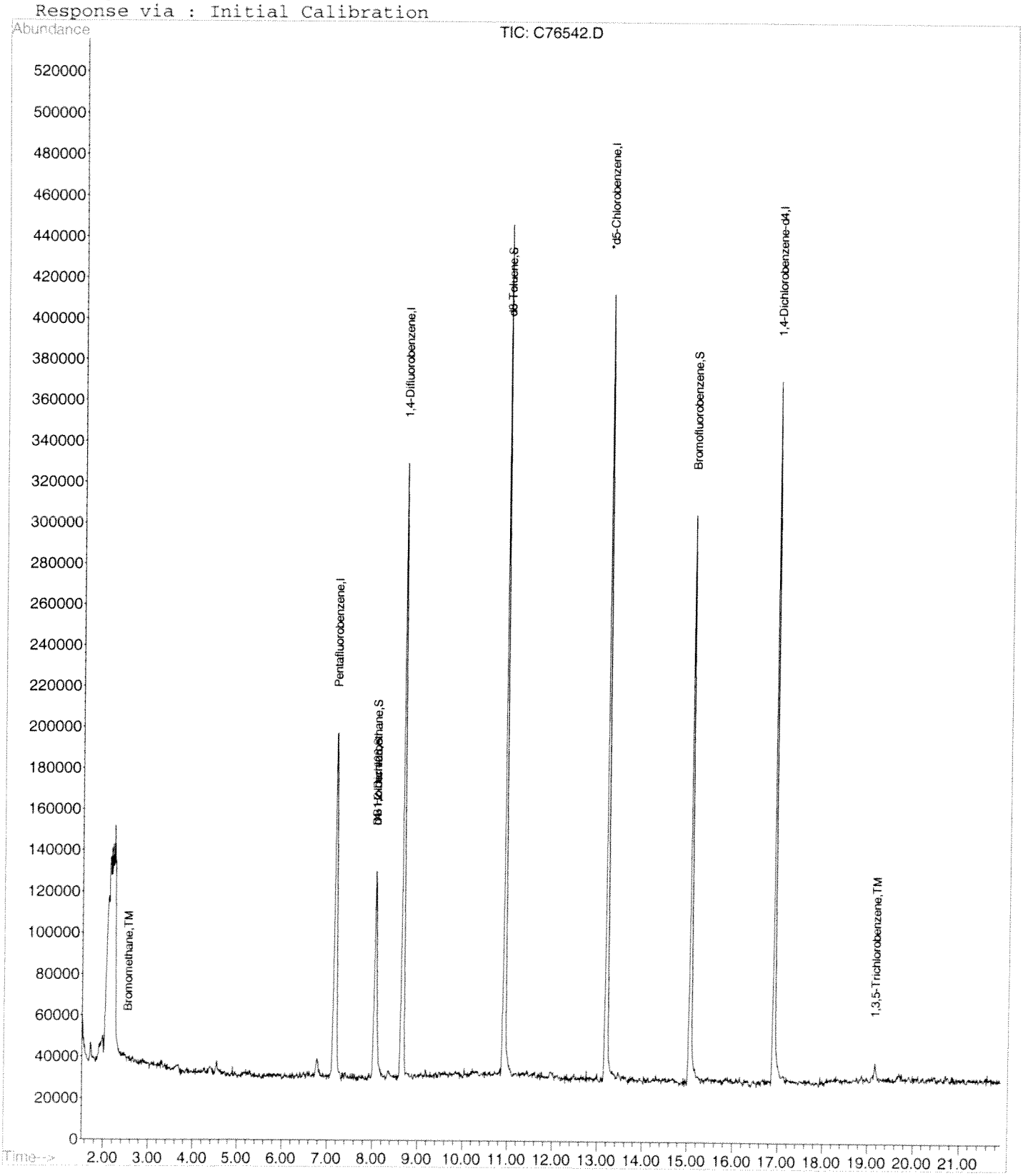
Target Compounds						Qvalue
~~3)~~ Chloromethane	1.98	50	855	~~Below Cal~~		82
~~5)~~ Bromomethane	2.54	94	1816	~~1.13 ug/L~~	#	32
~~12)~~ Acetone	3.68	43	2927	~~Below Cal~~		99
(16) Methylene Chloride	4.55	84	4578	~~Below Cal~~	#	78
~~21)~~ 1,1-Dichloroethane	5.76	63	961	~~Below Cal~~		73
~~30)~~ Bromochloromethane	7.23	128	78	~~Below Cal~~	#	1
~~31)~~ Tetrahydrofuran	7.30	71	231	~~Below Cal~~	#	44
~~40)~~ Trichloroethene	9.08	95	492	~~Below Cal~~	#	50
~~46)~~ Dibromomethane	9.79	93	400	~~Below Cal~~	#	6
~~92)~~ 1,2-Dibromo-3-chloropropan	18.79	75	148	~~Below Cal~~	#	20
98) 1,3,5-Trichlorobenzene	19.16	180	4705	NT 0.56 ug/L		81

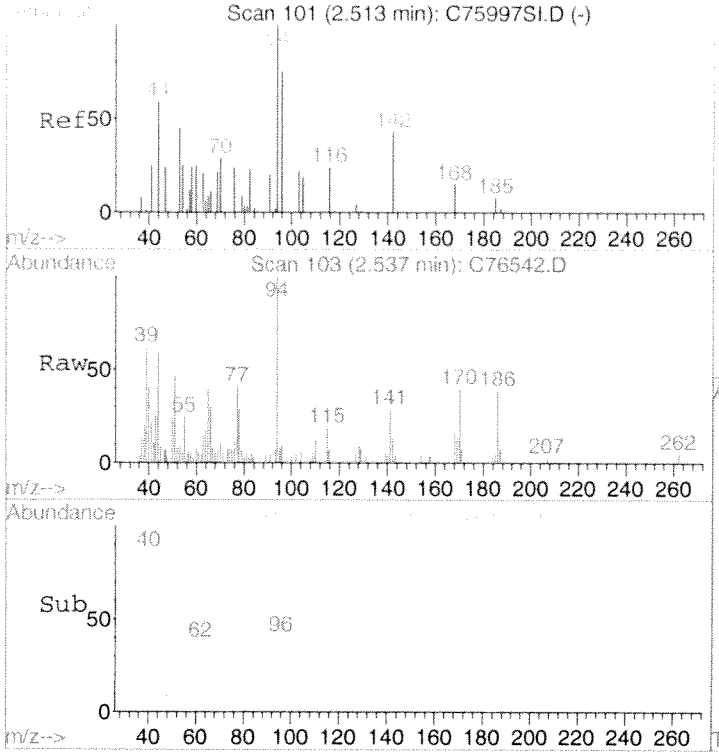
10/20/10

(#) = qualifier out of range (m) = manual integration
C76542.D V808100C.M Sat Oct 16 13:01:17 2010

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76542.D Vial: 10
Acq On : 15 Oct 2010 3:43 pm Operator: MT
Sample : MB10150C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration

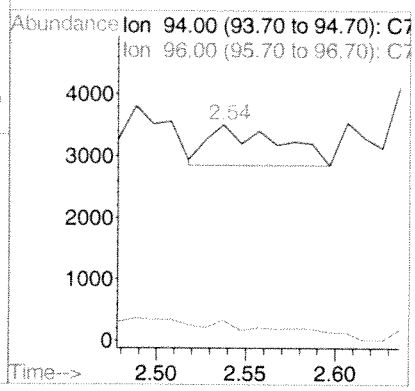




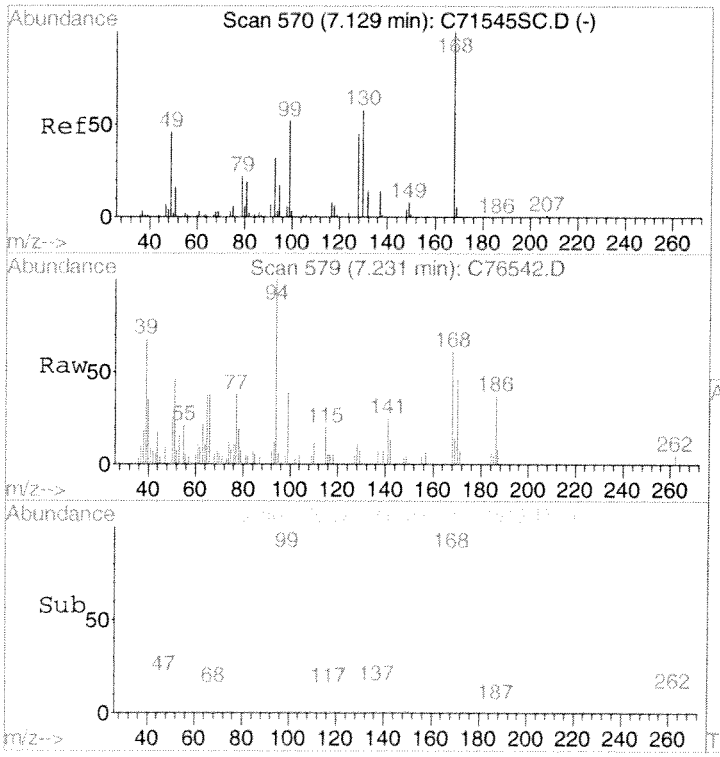
#5
Bromomethane
Concen: 1.13 ug/L
RT: 2.54 min Scan# 103
Delta R.T. 0.00 min
Lab File: C76542.D
Acq: 15 Oct 2010 3:43 pm

Tgt Ion: 94 Resp: 1816

Ion	Ratio	Lower	Upper
94	100		
96	28.9	75.4	115.4#



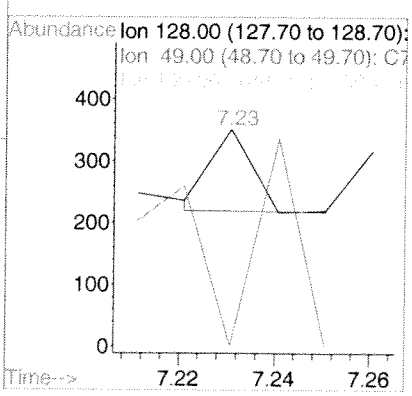
X



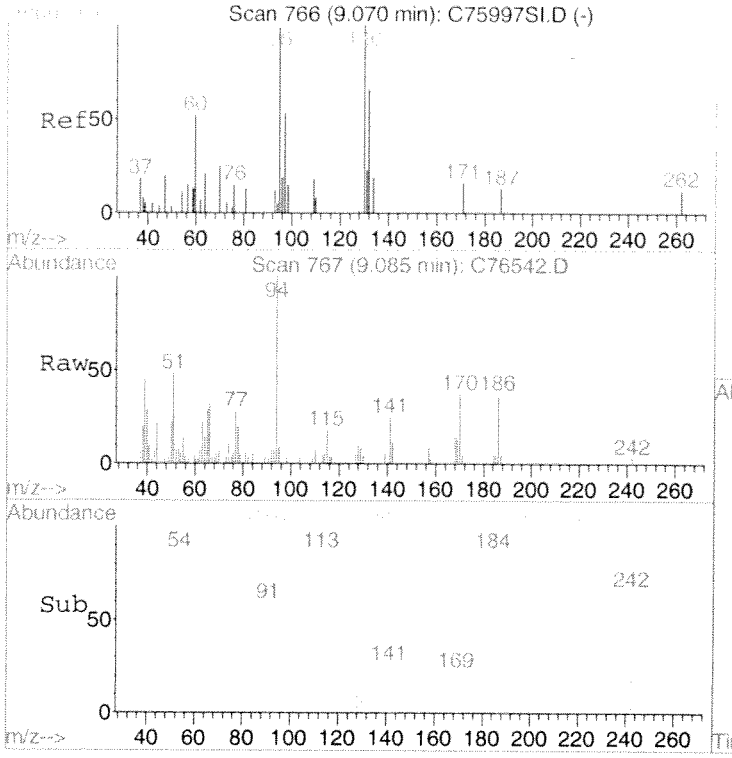
#30
Bromochloromethane
Concen: Below Cal
RT: 7.23 min Scan# 579
Delta R.T. 0.03 min
Lab File: C76542.D
Acq: 15 Oct 2010 3:43 pm

Tgt Ion:128 Resp: 78

Ion	Ratio	Lower	Upper
128	100		
49	0.0	175.1	215.1#
130	0.0	104.4	144.4#



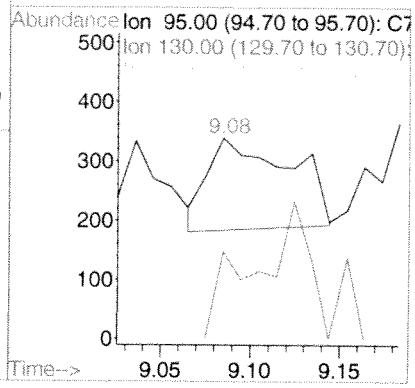
X



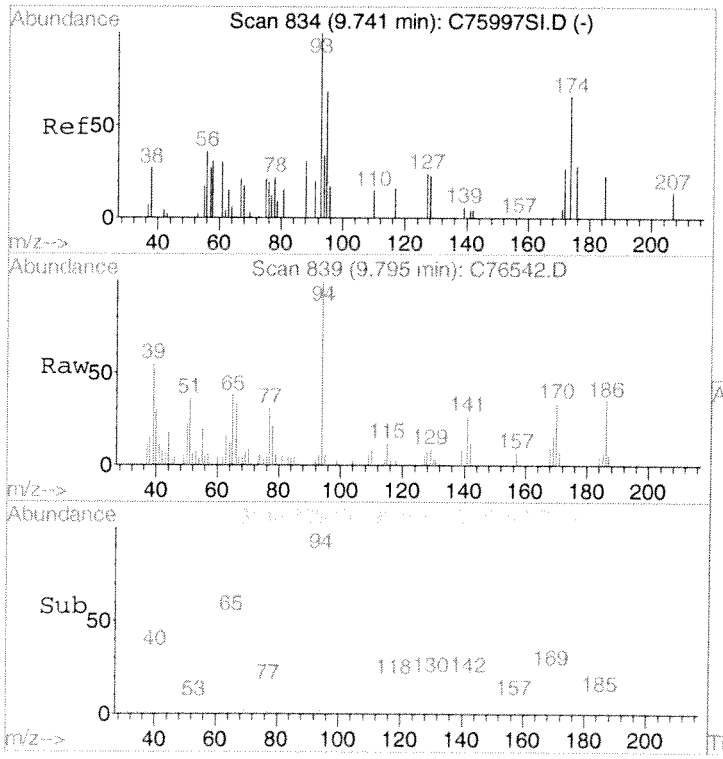
#40
Trichloroethene
Concen: Below Cal
RT: 9.08 min Scan# 767
Delta R.T. -0.04 min
Lab File: C76542.D
Acq: 15 Oct 2010 3:43 pm

Tgt Ion: 95 Resp: 492

Ion	Ratio	Lower	Upper
95	100		
130	104.3	78.9	118.9
132	0.0	74.5	114.5#



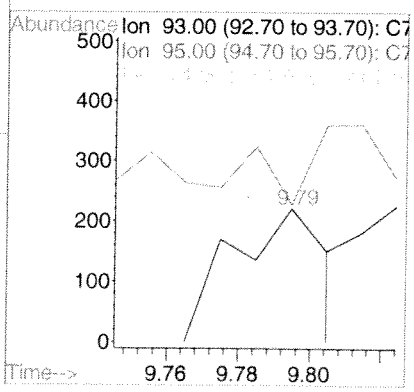
X



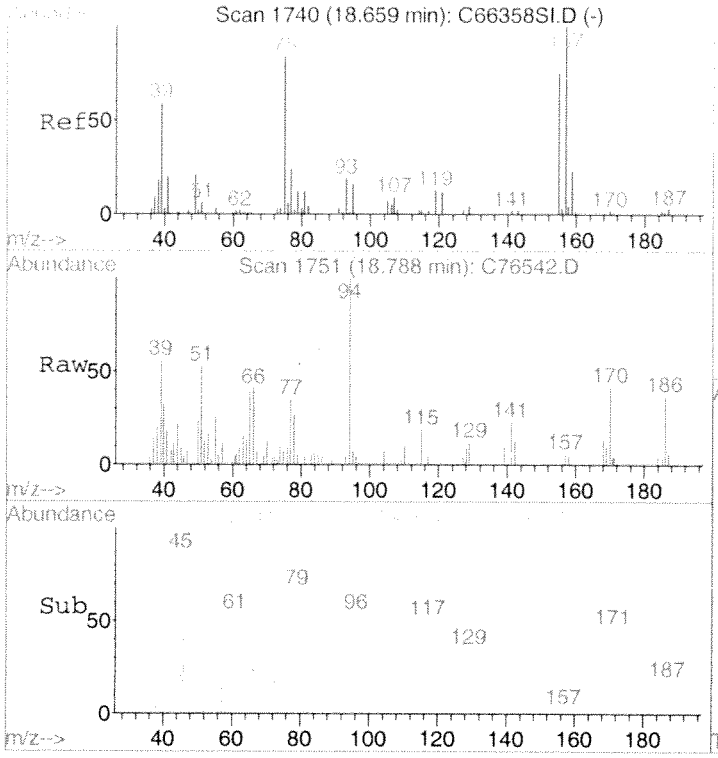
#46
Dibromomethane
Concen: Below Cal
RT: 9.79 min Scan# 839
Delta R.T. -0.01 min
Lab File: C76542.D
Acq: 15 Oct 2010 3:43 pm

Tgt Ion: 93 Resp: 400

Ion	Ratio	Lower	Upper
93	100		
95	0.0	63.4	103.4#
174	0.0	68.6	108.6#



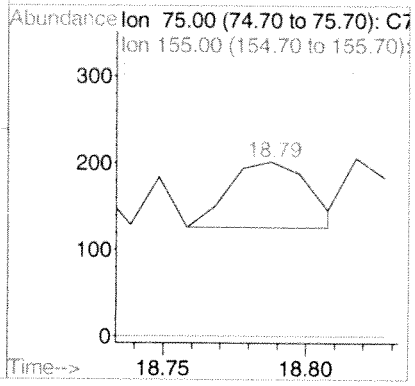
X



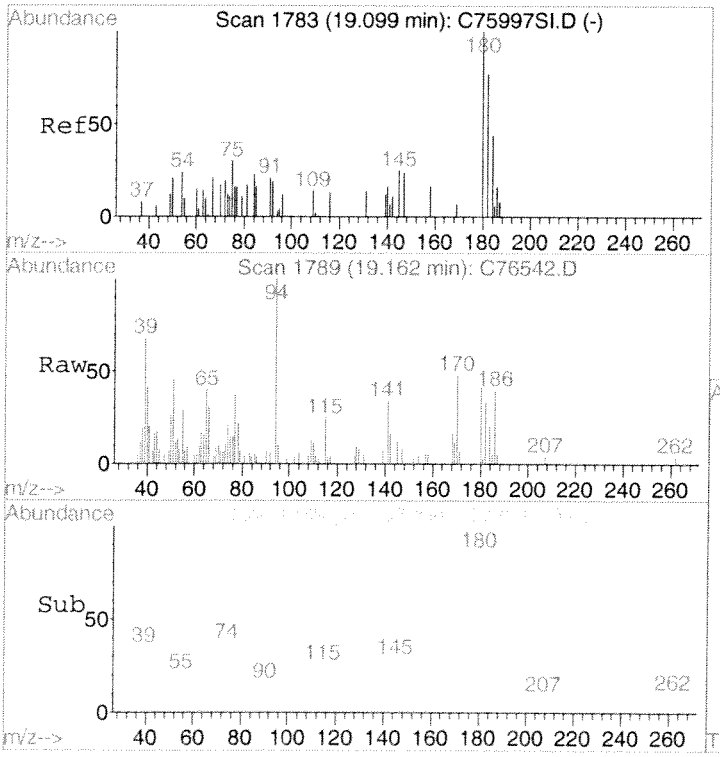
#92
1,2-Dibromo-3-chloropropane
Concen: Below Cal
RT: 18.79 min Scan# 1751
Delta R.T. 0.03 min
Lab File: C76542.D
Acq: 15 Oct 2010 3:43 pm

Tgt Ion: 75 Resp: 148

Ion	Ratio	Lower	Upper
75	100		
155	0.0	66.6	106.6#
157	31.6	80.5	120.5#



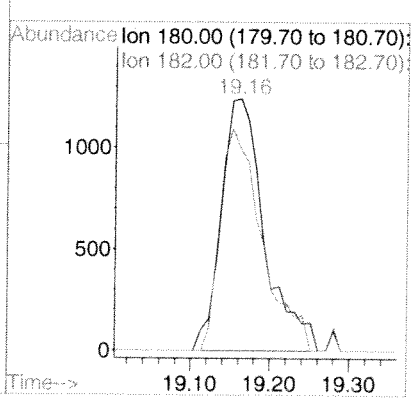
X



#98
1,3,5-Trichlorobenzene
Concen: 0.56 ug/L
RT: 19.16 min Scan# 1789
Delta R.T. 0.01 min
Lab File: C76542.D
Acq: 15 Oct 2010 3:43 pm

Tgt Ion:180 Resp: 4705

Ion	Ratio	Lower	Upper
180	100		
182	79.6	78.7	118.7



NT

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Percent Solid: 79
Dilution Factor: 161
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-DC-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	161	U	1,1,2-Trichloroethane	121	U
Chloromethane	161	U	1,3-Dichloropropane	161	U
Vinyl Chloride	161	U	Tetrachloroethene	161	U
Bromomethane	161	U	2-Hexanone	1610	U
Chloroethane	161	U	Dibromochloromethane	121	U
Trichlorofluoromethane	161	U	1,2-Dibromoethane	121	U
1,1-Dichloroethene	121	U	Chlorobenzene	161	U
Acetone	1610	U	1,1,1,2-Tetrachloroethane	161	U
Methyl iodide	161	U	Ethylbenzene	161	U
Carbon Disulfide	161	U	o-Xylene	161	U
Methylene Chloride	805	U	m,p-Xylene	161	U
trans-1,2-Dichloroethene	161	U	Styrene	161	U
Methyl-tert-butyl ether (MTBE)	121	U	Bromoform	121	U
1,1-Dichloroethane	161	U	Isopropylbenzene	161	U
Vinyl acetate	1210	U	1,1,2,2-Tetrachloroethane	121	U
Methyl ethyl ketone	1610	U	Bromobenzene	161	U
cis-1,2-Dichloroethene	161	U	1,2,3-Trichloropropane	161	U
2,2-Dichloropropane	161	U	n-Propylbenzene	161	U
Bromochloromethane	161	U	2-Chlorotoluene	161	U
Chloroform	121	U	1,3,5-Trimethylbenzene	161	U
1,1,1-Trichloroethane	161	U	4-Chlorotoluene	161	U
1,1-Dichloropropene	161	U	tert-butylbenzene	161	U
Carbon Tetrachloride	161	U	1,2,4-Trimethylbenzene	161	U
1,2-Dichloroethane	121	U	sec-butylbenzene	161	U
Benzene	161	U	p-isopropyltoluene	161	U
Trichloroethene	161	U	1,3-Dichlorobenzene	161	U
1,2-Dichloropropane	121	U	1,4-Dichlorobenzene	161	U
Dibromomethane	161	U	n-butylbenzene	161	U
Bromodichloromethane	121	U	1,2-Dichlorobenzene	161	U
cis-1,3-Dichloropropene	161	U	1,2-Dibromo-3-chloropropane	161	U
Methyl isobutyl ketone	1610	U	1,2,4-Trichlorobenzene	161	U
Toluene	161	U	Hexachlorobutadiene	161	U
trans-1,3-Dichloropropene	161	U	Naphthalene	161	U
			1,2,3-Trichlorobenzene	161	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105 %	d8-Toluene	115 %	Bromofluorobenzen	111 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76545.D Vial: 13
Acq On : 15 Oct 2010 5:24 pm Operator: MT
Sample : 67967-1 Inst : Instr_C
Misc : 50,7.89,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

5000x10 / 50x7.89x0.7874 = 161.0

10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.16	168	196227	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.66	114	397950	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.18	117	342980	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.89	152	138843	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	8.05	65	157181	21.09 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.45%		
36) d4-1,2-Dichloroethane	8.05	65	157181	21.07 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.35%		
54) d8-Toluene	10.91	98	502833	22.92 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 114.60%		
73) Bromofluorobenzene	15.05	95	179911	22.29 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 111.45%		

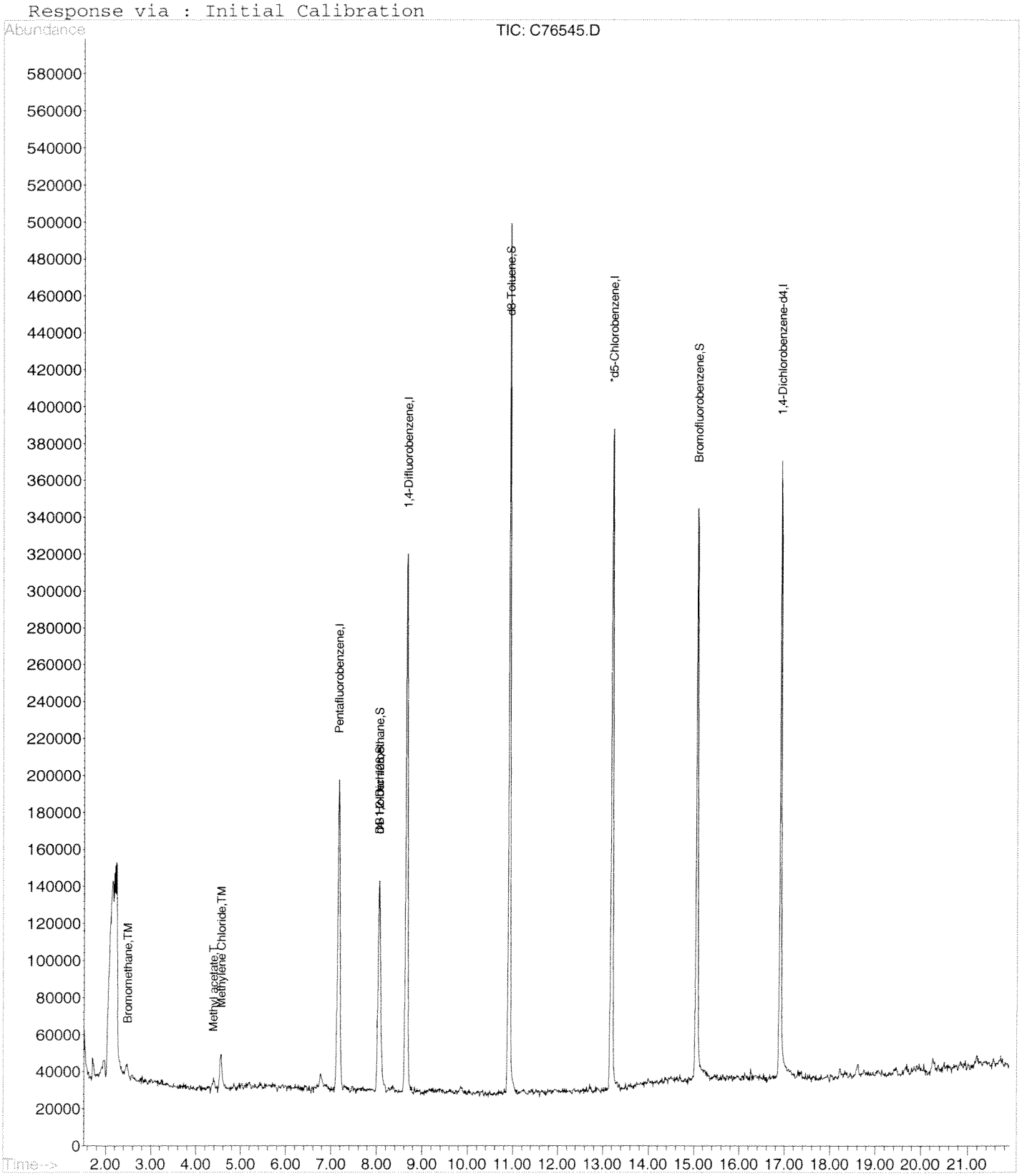
Target Compounds						Qvalue
~~3)~~ Chloromethane	1.97	50	442	~~Below Cal~~		98
~~5)~~ Bromomethane	2.50	94	4390	~~1.54 ug/L~~	#	44
~~12)~~ Acetone	3.66	43	5359	~~Below Cal~~	#	85
~~16)~~ Methylene Chloride	4.56	84	18870	<5 ~~2.12~~ ug/L	#	89
~~21)~~ 1,1-Dichloroethane	5.73	63	406	~~Below Cal~~	#	60
~~30)~~ Bromochloromethane	7.24	128	396	~~Below Cal~~	#	5
~~31)~~ Tetrahydrofuran	7.27	71	668	~~Below Cal~~	#	20
~~43)~~ Methyl acetate	4.39	43	17065	~~1.10 ug/L~~		95
~~46)~~ Dibromomethane	9.81	93	501	~~Below Cal~~	#	31
~~92)~~ 1,2-Dibromo-3-chloropropan	18.75	75	167	~~Below Cal~~	#	38

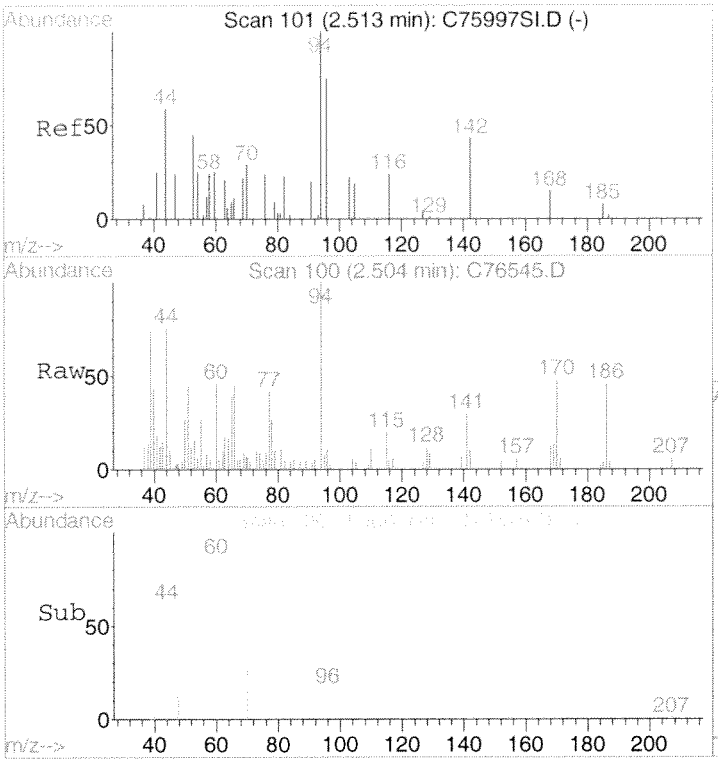
VMC 10/18/10

(#) = qualifier out of range (m) = manual integration
C76545.D V808100C.M Sat Oct 16 13:01:31 2010

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76545.D Vial: 13
Acq On : 15 Oct 2010 5:24 pm Operator: MT
Sample : 67967-1 Inst : Instr_C
Misc : 50,7.89,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration

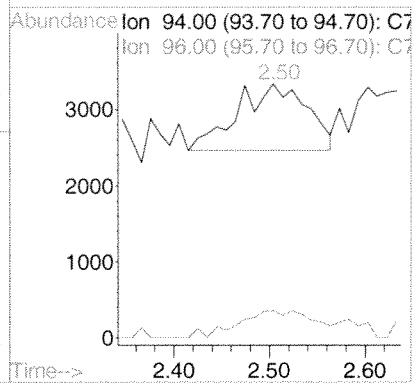




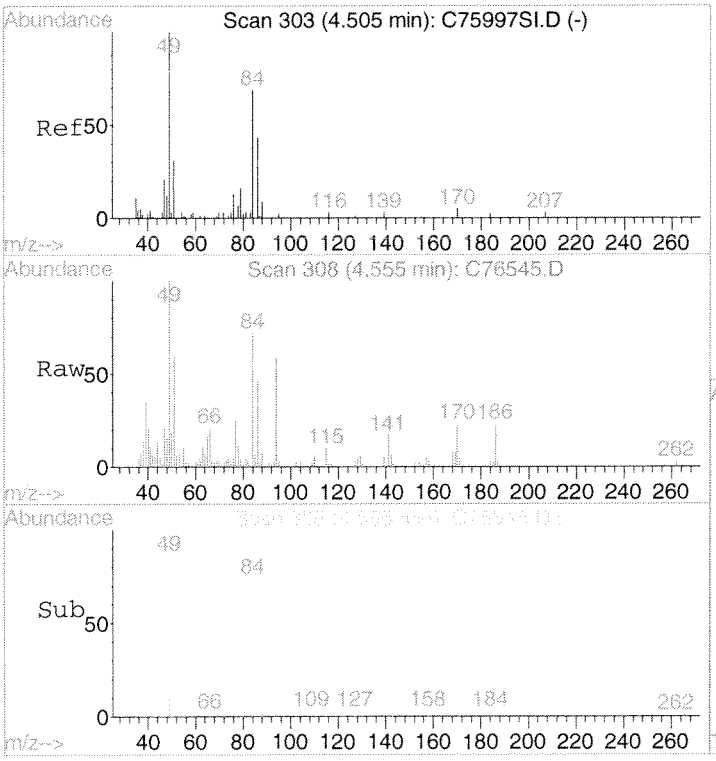
#5
Bromomethane
Concen: 1.54 ug/L
RT: 2.50 min Scan# 100
Delta R.T. -0.03 min
Lab File: C76545.D
Acq: 15 Oct 2010 5:24 pm

Tgt Ion: 94 Resp: 4390

Ion	Ratio	Lower	Upper
94	100		
96	41.2	75.4	115.4#



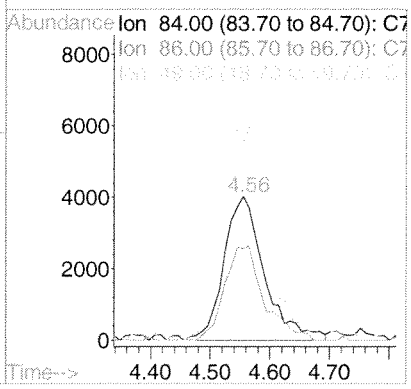
X



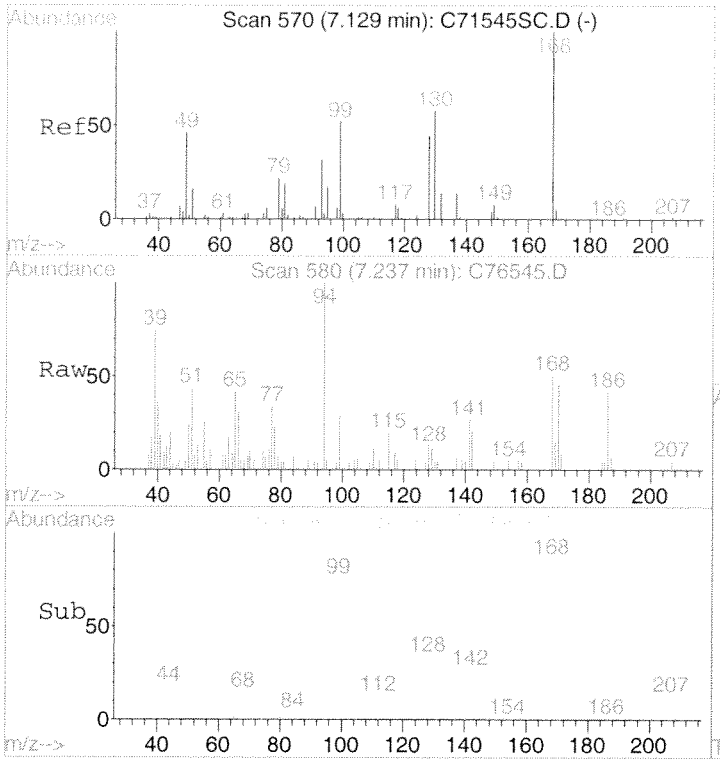
#16
Methylene Chloride
Concen: 2.12 ug/L
RT: 4.56 min Scan# 308
Delta R.T. -0.01 min
Lab File: C76545.D
Acq: 15 Oct 2010 5:24 pm

Tgt Ion: 84 Resp: 18870

Ion	Ratio	Lower	Upper
84	100		
86	63.7	42.9	82.9
49	138.1	138.3	178.3#



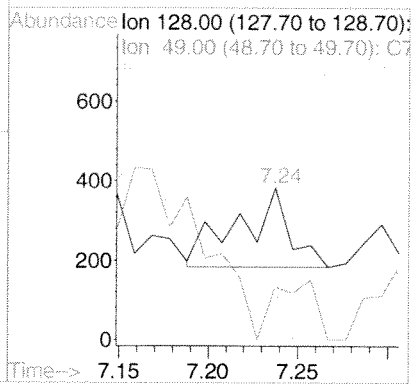
X



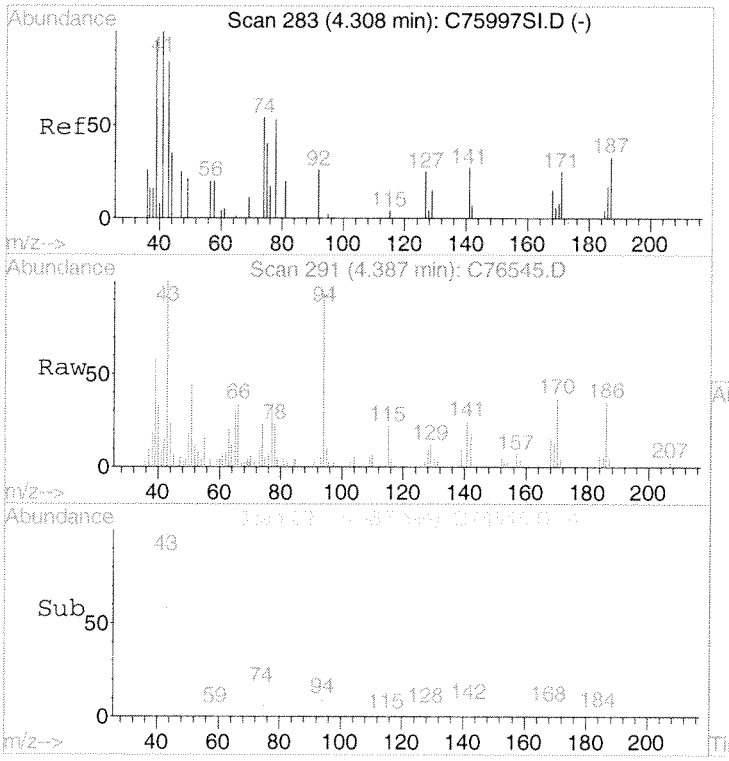
#30
Bromochloromethane
Concen: Below Cal
RT: 7.24 min Scan# 580
Delta R.T. 0.04 min
Lab File: C76545.D
Acq: 15 Oct 2010 5:24 pm

Tgt Ion:128 Resp: 396

Ion	Ratio	Lower	Upper
128	100		
49	67.3	175.1	215.1#
130	0.0	104.4	144.4#



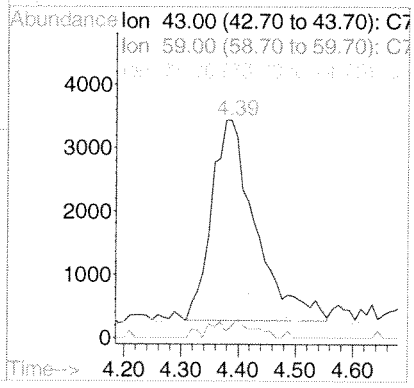
X



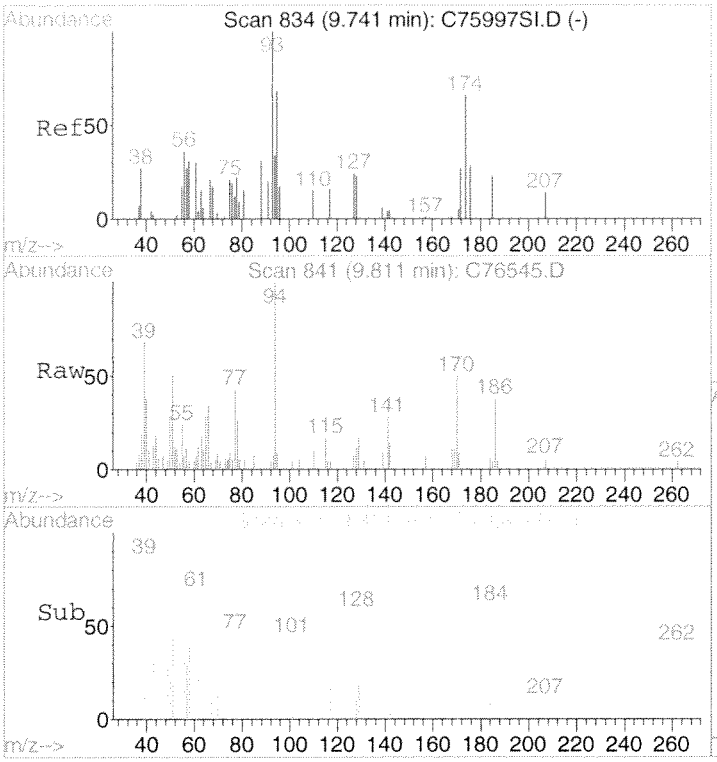
#43
Methyl acetate
Concen: 1.10 ug/L
RT: 4.39 min Scan# 291
Delta R.T. 0.02 min
Lab File: C76545.D
Acq: 15 Oct 2010 5:24 pm

Tgt Ion: 43 Resp: 17065

Ion	Ratio	Lower	Upper
43	100		
59	4.5	4.2	6.4
74	12.6	11.8	17.8



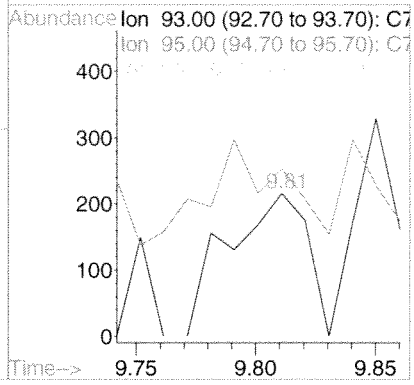
X



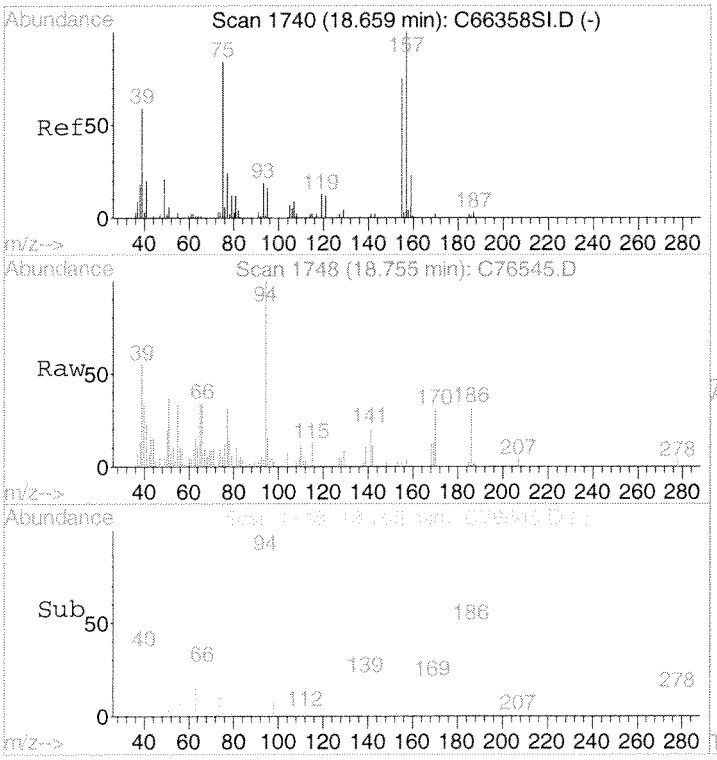
#46
Dibromomethane
Concen: Below Cal
RT: 9.81 min Scan# 841
Delta R.T. 0.01 min
Lab File: C76545.D
Acq: 15 Oct 2010 5:24 pm

Tgt Ion: 93 Resp: 501

Ion	Ratio	Lower	Upper
93	100		
95	46.3	63.4	103.4#
174	0.0	68.6	108.6#



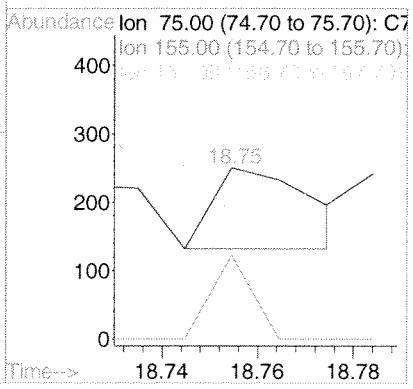
X



#92
1,2-Dibromo-3-chloropropane
Concen: Below Cal
RT: 18.75 min Scan# 1748
Delta R.T. 0.00 min
Lab File: C76545.D
Acq: 15 Oct 2010 5:24 pm

Tgt Ion: 75 Resp: 167

Ion	Ratio	Lower	Upper
75	100		
155	103.4	66.6	106.6
157	0.0	80.5	120.5#



X

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 122
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-APN-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	122	U	1,1,2-Trichloroethane	92	U
Chloromethane	122	U	1,3-Dichloropropane	122	U
Vinyl Chloride	122	U	Tetrachloroethene	122	U
Bromomethane	122	U	2-Hexanone	1220	U
Chloroethane	122	U	Dibromochloromethane	92	U
Trichlorofluoromethane	122	U	1,2-Dibromoethane	92	U
1,1-Dichloroethene	92	U	Chlorobenzene	122	U
Acetone	1220	U	1,1,1,2-Tetrachloroethane	122	U
Methyl iodide	122	U	Ethylbenzene	122	U
Carbon Disulfide	122	U	o-Xylene	122	U
Methylene Chloride	612	U	m,p-Xylene	122	U
trans-1,2-Dichloroethene	122	U	Styrene	122	U
Methyl-tert-butyl ether (MTBE)	92	U	Bromoform	92	U
1,1-Dichloroethane	122	U	Isopropylbenzene	122	U
Vinyl acetate	918	U	1,1,2,2-Tetrachloroethane	92	U
Methyl ethyl ketone	1220	U	Bromobenzene	122	U
cis-1,2-Dichloroethene	122	U	1,2,3-Trichloropropane	122	U
2,2-Dichloropropane	122	U	n-Propylbenzene	122	U
Bromochloromethane	122	U	2-Chlorotoluene	122	U
Chloroform	92	U	1,3,5-Trimethylbenzene	122	U
1,1,1-Trichloroethane	122	U	4-Chlorotoluene	122	U
1,1-Dichloropropene	122	U	tert-butylbenzene	122	U
Carbon Tetrachloride	122	U	1,2,4-Trimethylbenzene	122	U
1,2-Dichloroethane	92	U	sec-butylbenzene	122	U
Benzene	122	U	p-isopropyltoluene	122	U
Trichloroethene	122	U	1,3-Dichlorobenzene	122	U
1,2-Dichloropropane	92	U	1,4-Dichlorobenzene	122	U
Dibromomethane	122	U	n-butylbenzene	122	U
Bromodichloromethane	92	U	1,2-Dichlorobenzene	122	U
cis-1,3-Dichloropropene	122	U	1,2-Dibromo-3-chloropropane	122	U
Methyl isobutyl ketone	1220	U	1,2,4-Trichlorobenzene	122	U
Toluene	122	U	Hexachlorobutadiene	122	U
trans-1,3-Dichloropropene	122	U	Naphthalene	122	U
			1,2,3-Trichlorobenzene	122	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane 107 % d8-Toluene 110 % Bromofluorobenzen 111 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76546.D Vial: 14
Acq On : 15 Oct 2010 6:00 pm Operator: MT
Sample : 67967-2 Inst : Instr_C
Misc : 50,9.23,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

$\frac{500 \times 10}{50 \times 9.23 \times .8848} =$ 122.4

TD 10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.16	168	196414	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.65	114	411257	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.18	117	348367	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.90	152	142826	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	8.04	65	160308	21.49 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 107.45%		
36) d4-1,2-Dichloroethane	8.04	65	160308	21.47 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 107.35%		
54) d8-Toluene	10.91	98	500473	22.07 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 110.35%		
73) Bromofluorobenzene	15.05	95	181539	22.14 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 110.70%		

Target Compounds					Qvalue
~~3)~~ Chloromethane	1.99	50	877	~~Below Cal~~ #	58
~~5)~~ Bromomethane	2.54	94	1879	~~1.14 ug~~/L #	6
~~12)~~ Acetone	3.57	43	883	~~Below Cal~~ #	67
~~16)~~ Methylene Chloride	4.54	84	23671	NO S ~~2.85~~ ug/L	98
~~21)~~ 1,1-Dichloroethane	5.72	63	281	~~Below Cal~~ #	1
~~30)~~ Bromochloromethane	7.17	128	480	~~Below Cal~~ #	40
~~31)~~ Tetrahydrofuran	7.30	71	413	~~Below Cal~~ #	1
~~40)~~ Trichloroethene	9.11	95	413	~~Below Cal~~ #	1
~~43)~~ Methyl acetate	4.38	43	12930	~~0.59 ug~~/L #	88
~~46)~~ Dibromomethane	9.79	93	489	~~Below Cal~~ #	6
~~92)~~ 1,2-Dibromo-3-chloropropan	18.80	75	339	~~Below Cal~~ #	23

ND

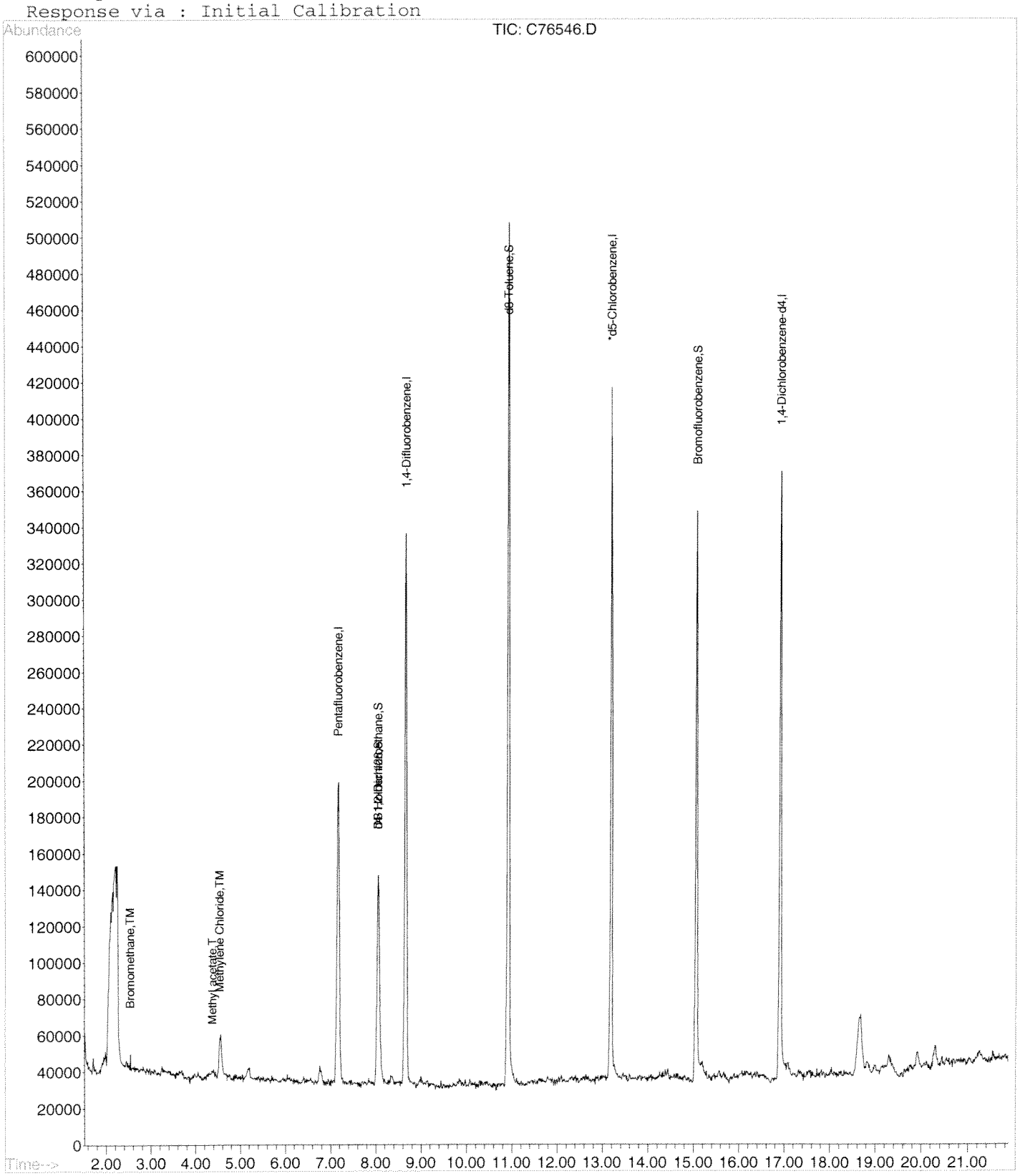
VMT 10/18/10

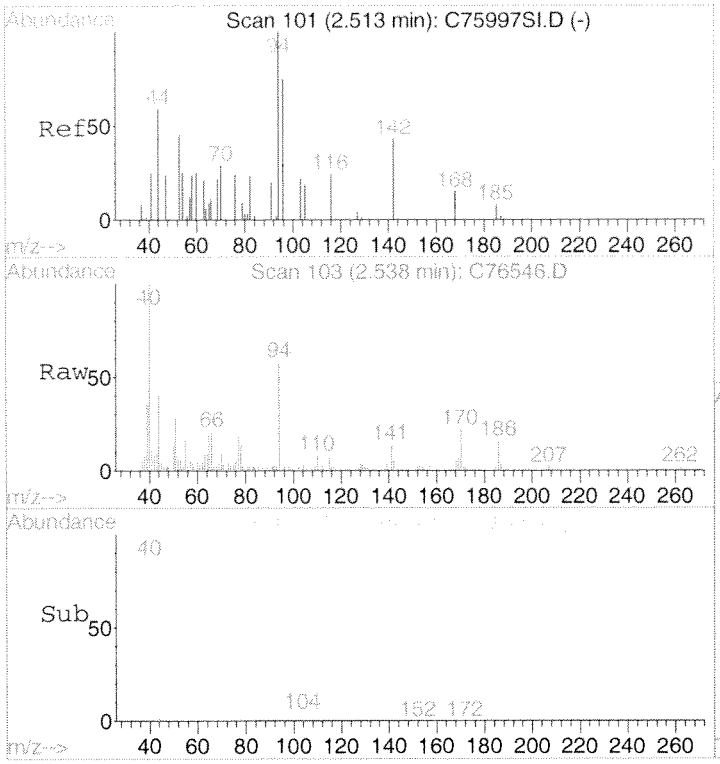
(#) = qualifier out of range (m) = manual integration
C76546.D V808100C.M Sat Oct 16 13:01:35 2010

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76546.D Vial: 14
Acq On : 15 Oct 2010 6:00 pm Operator: MT
Sample : 67967-2 Inst : Instr_C
Misc : 50,9.23,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration

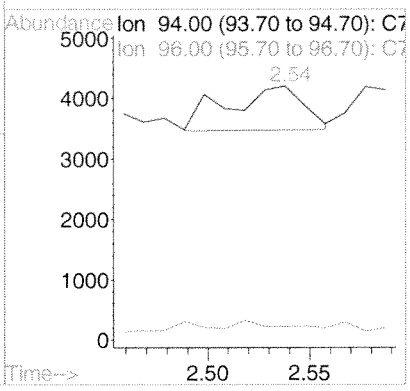




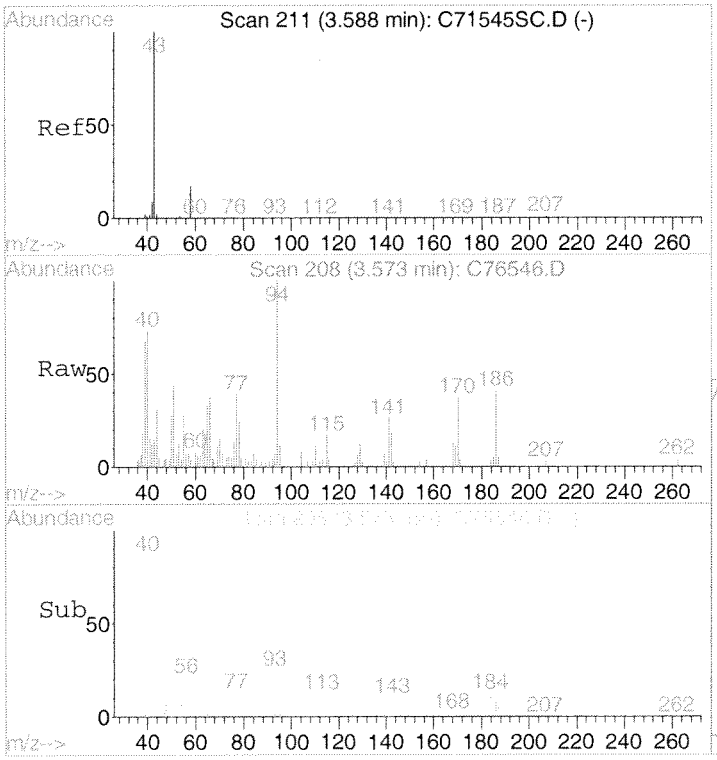
#5
Bromomethane
Concen: 1.14 ug/L
RT: 2.54 min Scan# 103
Delta R.T. 0.01 min
Lab File: C76546.D
Acq: 15 Oct 2010 6:00 pm

Tgt Ion: 94 Resp: 1879

Ion	Ratio	Lower	Upper
94	100		
96	4.1	75.4	115.4#



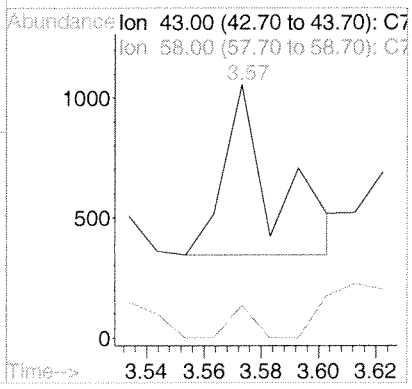
X



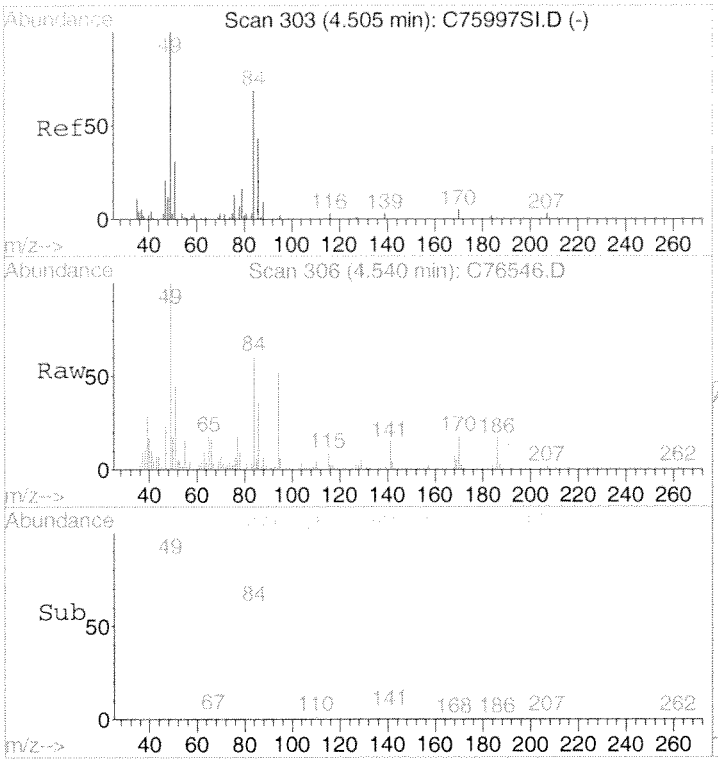
#12
Acetone
Concen: Below Cal
RT: 3.57 min Scan# 208
Delta R.T. -0.05 min
Lab File: C76546.D
Acq: 15 Oct 2010 6:00 pm

Tgt Ion: 43 Resp: 883

Ion	Ratio	Lower	Upper
43	100		
58	9.1	20.9	31.3#



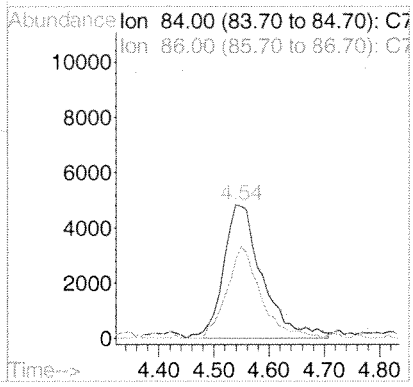
X



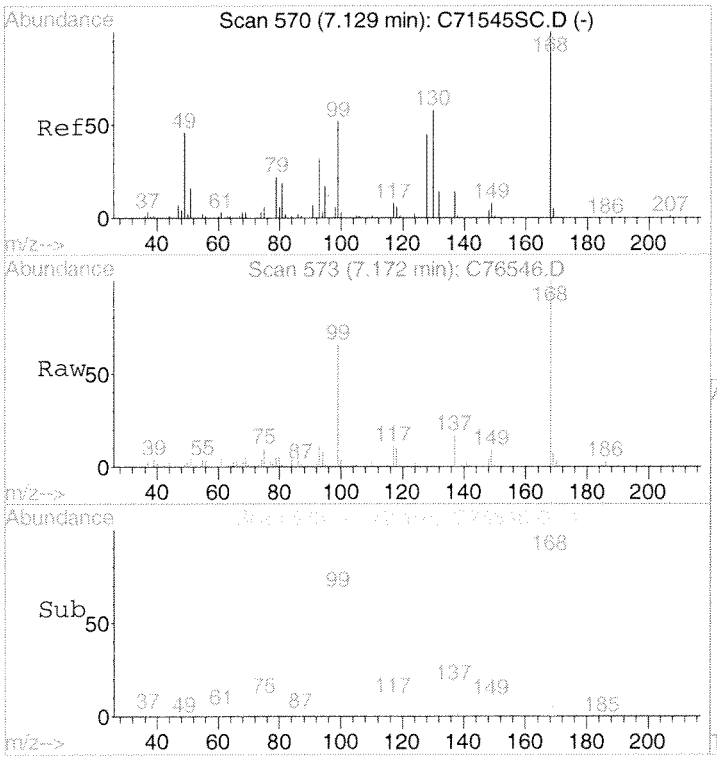
#16
Methylene Chloride
Concen: 2.85 ug/L
RT: 4.54 min Scan# 306
Delta R.T. -0.02 min
Lab File: C76546.D
Acq: 15 Oct 2010 6:00 pm

Tgt Ion: 84 Resp: 23671

Ion	Ratio	Lower	Upper
84	100		
86	58.3	42.9	82.9
49	157.5	138.3	178.3



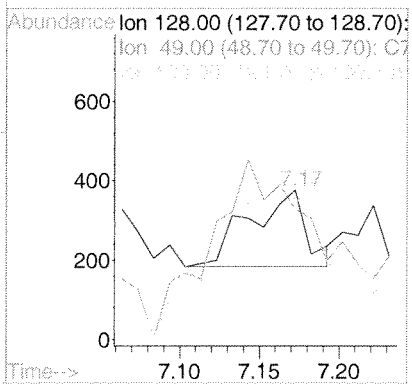
↑ no S



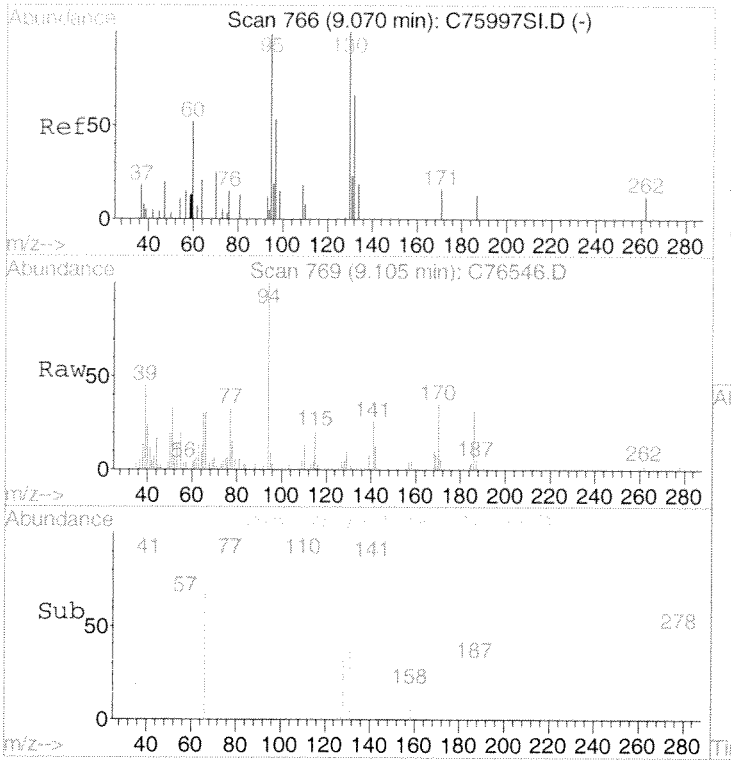
#30
Bromochloromethane
Concen: Below Cal
RT: 7.17 min Scan# 573
Delta R.T. -0.02 min
Lab File: C76546.D
Acq: 15 Oct 2010 6:00 pm

Tgt Ion:128 Resp: 480

Ion	Ratio	Lower	Upper
128	100		
49	83.9	175.1	215.1#
130	81.3	104.4	144.4#



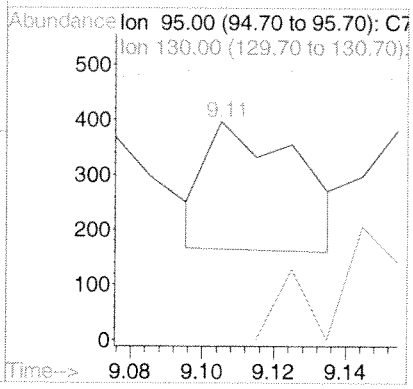
↑



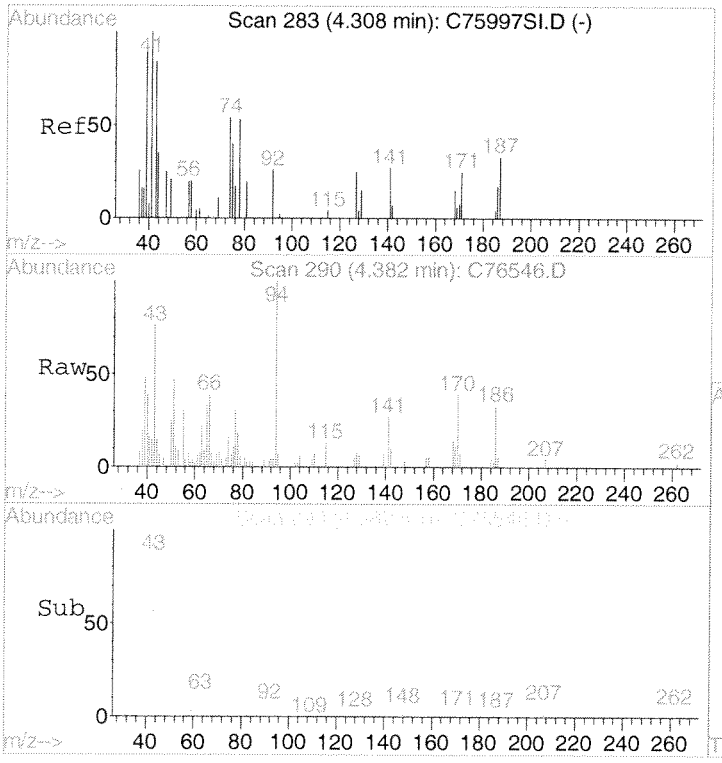
#40
Trichloroethene
Concen: Below Cal
RT: 9.11 min Scan# 769
Delta R.T. -0.02 min
Lab File: C76546.D
Acq: 15 Oct 2010 6:00 pm

Tgt Ion: 95 Resp: 413

Ion	Ratio	Lower	Upper
95	100		
130	0.0	78.9	118.9#
132	0.0	74.5	114.5#



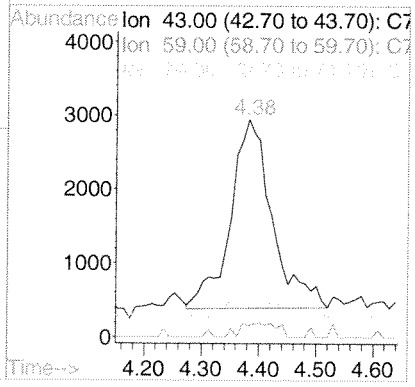
X



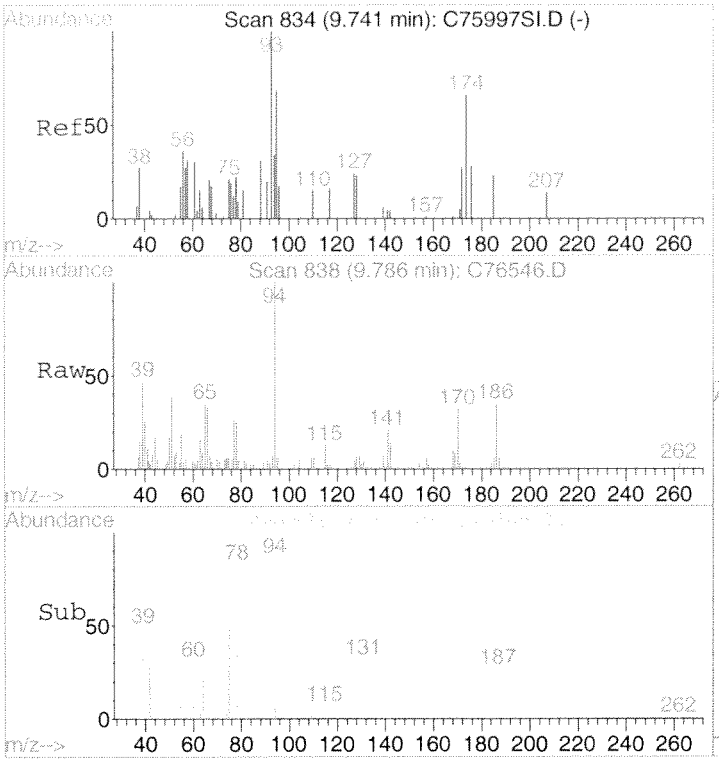
#43
Methyl acetate
Concen: 0.59 ug/L
RT: 4.38 min Scan# 290
Delta R.T. 0.02 min
Lab File: C76546.D
Acq: 15 Oct 2010 6:00 pm

Tgt Ion: 43 Resp: 12930

Ion	Ratio	Lower	Upper
43	100		
59	0.0	4.2	6.4#
74	19.2	11.8	17.8#



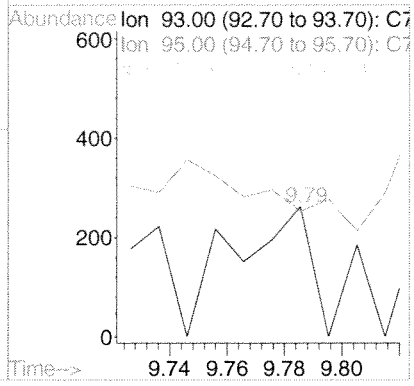
X



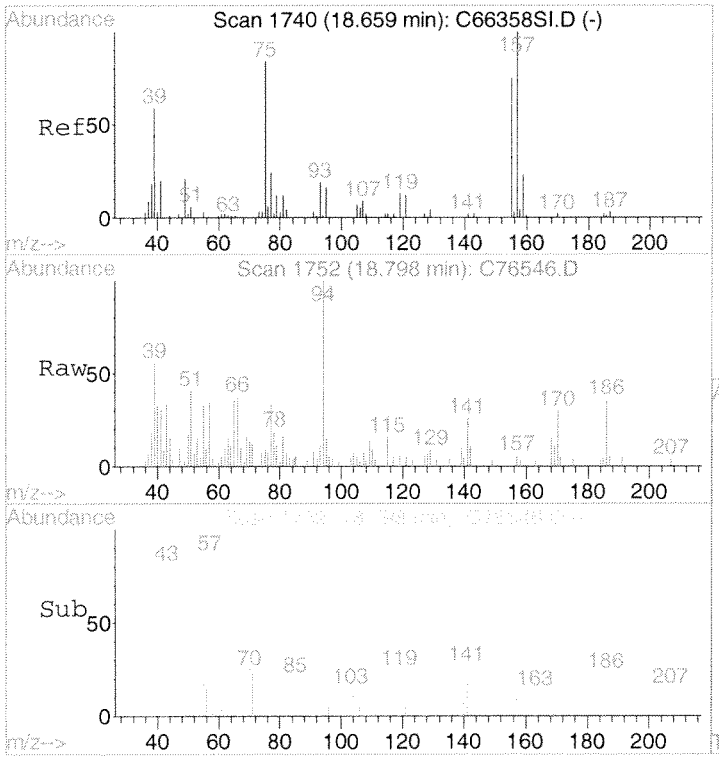
#46
Dibromomethane
Concen: Below Cal
RT: 9.79 min Scan# 838
Delta R.T. -0.01 min
Lab File: C76546.D
Acq: 15 Oct 2010 6:00 pm

Tgt Ion: 93 Resp: 489

Ion	Ratio	Lower	Upper
93	100		
95	0.0	63.4	103.4#
174	0.0	68.6	108.6#



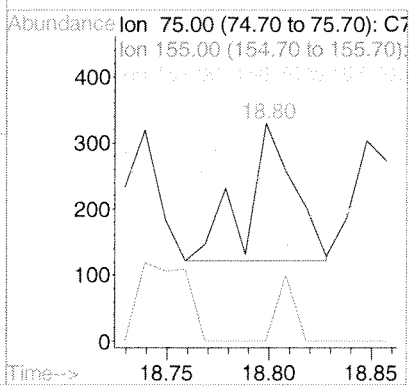
X



#92
1,2-Dibromo-3-chloropropane
Concen: Below Cal
RT: 18.80 min Scan# 1752
Delta R.T. 0.04 min
Lab File: C76546.D
Acq: 15 Oct 2010 6:00 pm

Tgt Ion: 75 Resp: 339

Ion	Ratio	Lower	Upper
75	100		
155	0.0	66.6	106.6#
157	37.5	80.5	120.5#



X

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-3
Matrix: Solid
Percent Solid: 80
Dilution Factor: 146
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	146	U	1,1,2-Trichloroethane	110	U
Chloromethane	146	U	1,3-Dichloropropane	146	U
Vinyl Chloride	146	U	Tetrachloroethene	146	U
Bromomethane	146	U	2-Hexanone	1460	U
Chloroethane	146	U	Dibromochloromethane	110	U
Trichlorofluoromethane	146	U	1,2-Dibromoethane	110	U
1,1-Dichloroethene	110	U	Chlorobenzene	146	U
Acetone	1460	U	1,1,1,2-Tetrachloroethane	146	U
Methyl iodide	146	U	Ethylbenzene	146	U
Carbon Disulfide	146	U	o-Xylene	146	U
Methylene Chloride	732	U	m,p-Xylene	146	U
trans-1,2-Dichloroethene	146	U	Styrene	146	U
Methyl-tert-butyl ether (MTBE)	110	U	Bromoform	110	U
1,1-Dichloroethane	146	U	Isopropylbenzene	146	U
Vinyl acetate	1100	U	1,1,2,2-Tetrachloroethane	110	U
Methyl ethyl ketone	1460	U	Bromobenzene	146	U
cis-1,2-Dichloroethene	146	U	1,2,3-Trichloropropane	146	U
2,2-Dichloropropane	146	U	n-Propylbenzene	146	U
Bromochloromethane	146	U	2-Chlorotoluene	146	U
Chloroform	110	U	1,3,5-Trimethylbenzene	146	U
1,1,1-Trichloroethane	146	U	4-Chlorotoluene	146	U
1,1-Dichloropropene	146	U	tert-butylbenzene	146	U
Carbon Tetrachloride	146	U	1,2,4-Trimethylbenzene	146	U
1,2-Dichloroethane	110	U	sec-butylbenzene	146	U
Benzene	146	U	p-isopropyltoluene	146	U
Trichloroethene	146	U	1,3-Dichlorobenzene	146	U
1,2-Dichloropropane	110	U	1,4-Dichlorobenzene	146	U
Dibromomethane	146	U	n-butylbenzene	146	U
Bromodichloromethane	110	U	1,2-Dichlorobenzene	146	U
cis-1,3-Dichloropropene	146	U	1,2-Dibromo-3-chloropropane	146	U
Methyl isobutyl ketone	1460	U	1,2,4-Trichlorobenzene	146	U
Toluene	146	U	Hexachlorobutadiene	146	U
trans-1,3-Dichloropropene	146	U	Naphthalene	146	U
			1,2,3-Trichlorobenzene	146	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	99	%	d8-Toluene	108	%	Bromofluorobenzen	108 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76547.D Vial: 15
Acq On : 15 Oct 2010 6:44 pm Operator: MT
Sample : 67967-3 Inst : Instr_C
Misc : 50,8.52,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

$\frac{900 \times 10}{50 \times 8.52 \times .8022} =$ 146.3

10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.16	168	203168	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.65	114	408232	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.17	117	347769	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.89	152	141893	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	8.05	65	152073	19.71 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.55%	
36) d4-1,2-Dichloroethane	8.05	65	153079	19.82 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	99.10%	
54) d8-Toluene	10.91	98	487010	21.64 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	108.20%	
73) Bromofluorobenzene	15.05	95	176956	21.62 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	108.10%	

Target Compounds					Qvalue
~~3)~~ Chloromethane	2.05	50	1255	~~Below Cal~~	68
~~5)~~ Bromomethane	2.52	94	1060	~~1.01 ug/L~~ #	2
~~12)~~ Acetone	3.68	43	4173	~~Below Cal~~	98
~~16)~~ Methylene Chloride	4.54	84	22765	NOS ~~2.60 ug/L~~ #	84
~~21)~~ 1,1-Dichloroethane	5.77	63	310	~~Below Cal~~ #	14
~~30)~~ Bromochloromethane	7.21	128	455	~~Below Cal~~ #	1
~~31)~~ Tetrahydrofuran	7.35	71	511	~~Below Cal~~ #	1
~~40)~~ Trichloroethene	9.21	95	392	~~Below Cal~~ #	1
~~43)~~ Methyl acetate	4.37	43	18410	~~1.20 ug/L~~ #	87
~~46)~~ Dibromomethane	9.81	93	215	~~Below Cal~~ #	6
~~92)~~ 1,2-Dibromo-3-chloropropan	18.76	75	713	~~Below Cal~~ #	50

ND

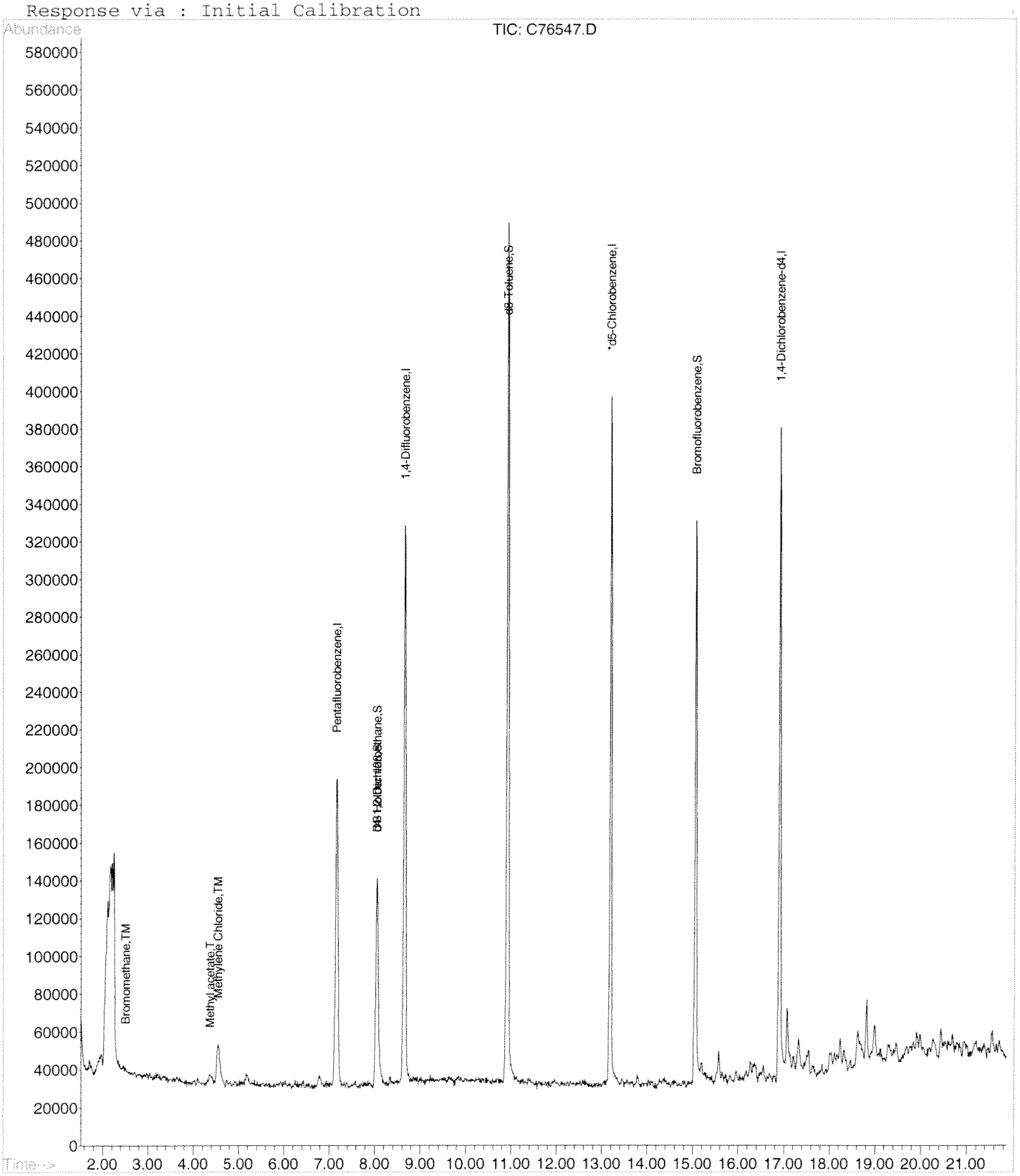
VMT 10/18/10

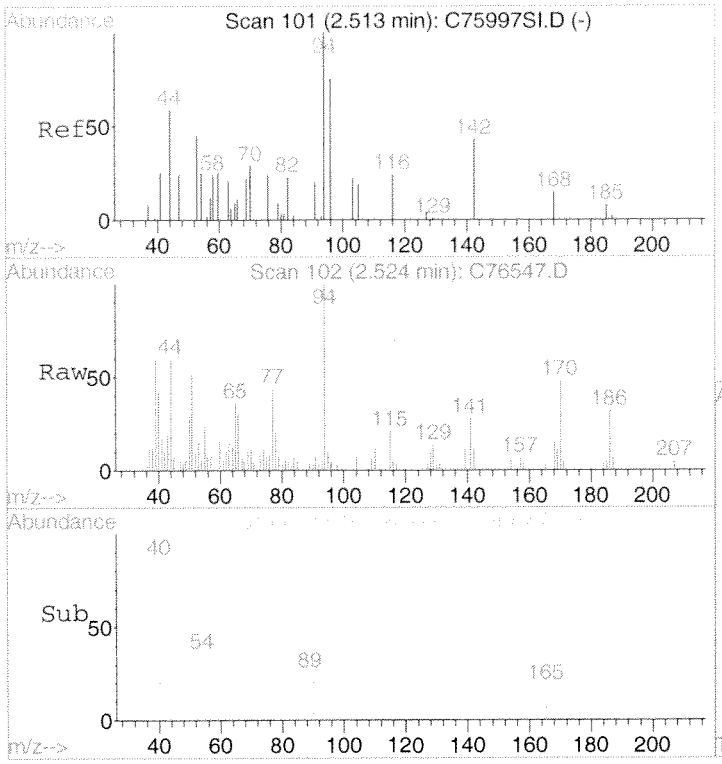
(#) = qualifier out of range (m) = manual integration
C76547.D V808100C.M Sat Oct 16 13:01:39 2010

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76547.D Vial: 15
Acq On : 15 Oct 2010 6:44 pm Operator: MT
Sample : 67967-3 Inst : Instr_C
Misc : 50,8.52,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration

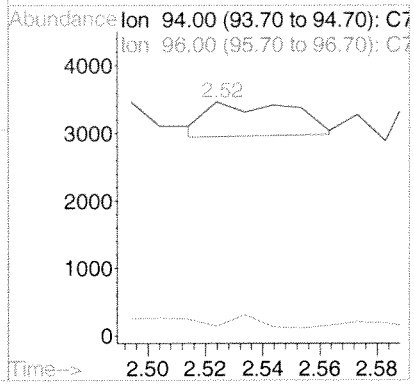




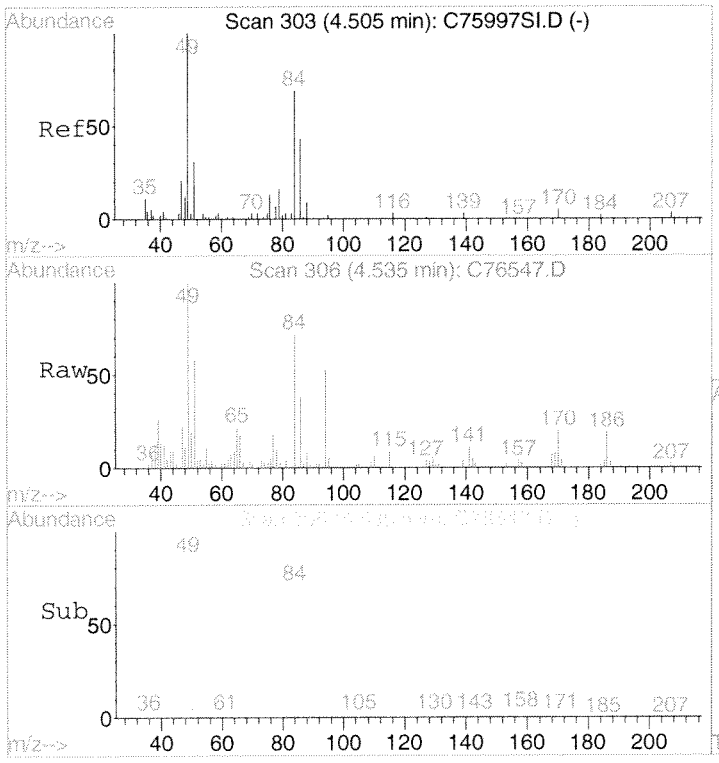
#5
Bromomethane
Concen: 1.01 ug/L
RT: 2.52 min Scan# 102
Delta R.T. -0.01 min
Lab File: C76547.D
Acq: 15 Oct 2010 6:44 pm

Tgt Ion: 94 Resp: 1060

Ion	Ratio	Lower	Upper
94	100		
96	0.0	75.4	115.4#



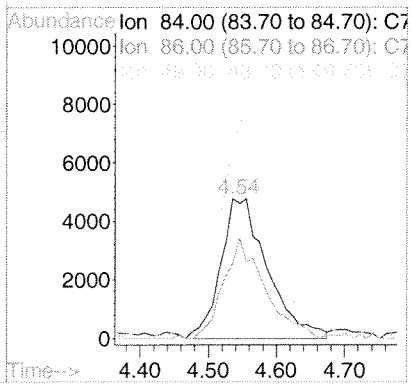
X



#16
Methylene Chloride
Concen: 2.60 ug/L
RT: 4.54 min Scan# 306
Delta R.T. -0.03 min
Lab File: C76547.D
Acq: 15 Oct 2010 6:44 pm

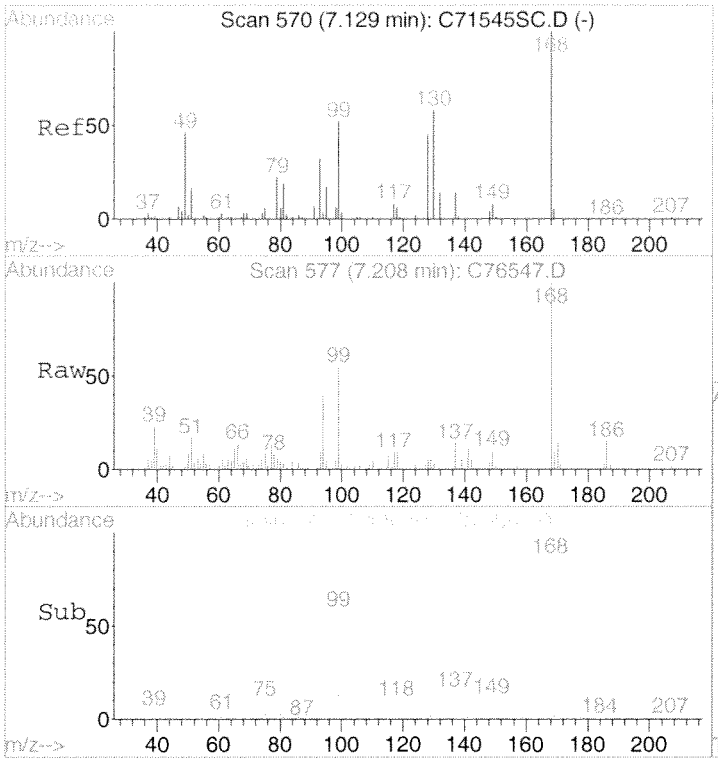
Tgt Ion: 84 Resp: 22765

Ion	Ratio	Lower	Upper
84	100		
86	53.4	42.9	82.9
49	134.7	138.3	178.3#



X

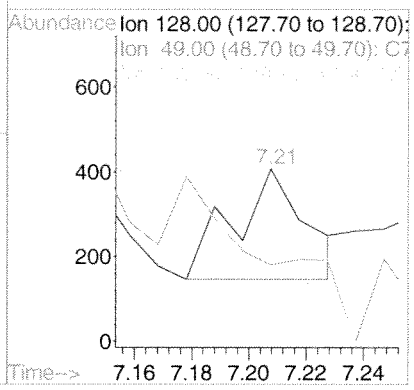
Con



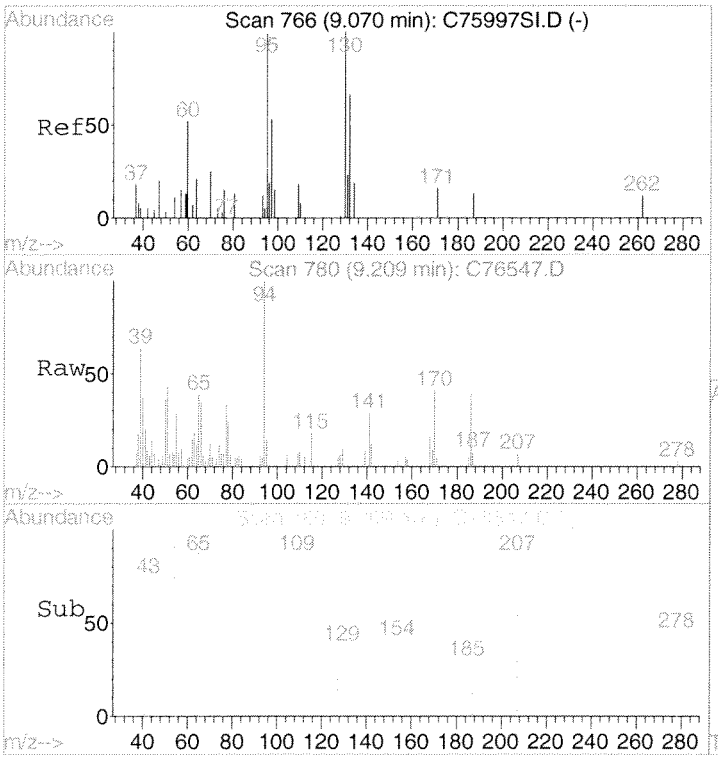
#30
Bromochloromethane
Concen: Below Cal
RT: 7.21 min Scan# 577
Delta R.T. 0.01 min
Lab File: C76547.D
Acq: 15 Oct 2010 6:44 pm

Tgt Ion:128 Resp: 455

Ion	Ratio	Lower	Upper
128	100		
49	0.0	175.1	215.1#
130	19.5	104.4	144.4#



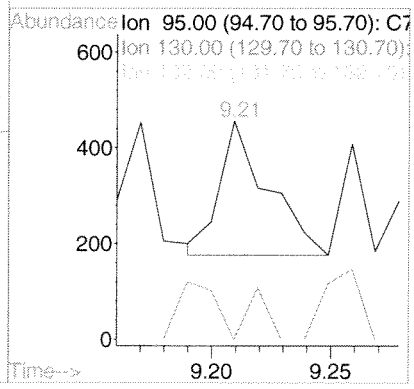
X



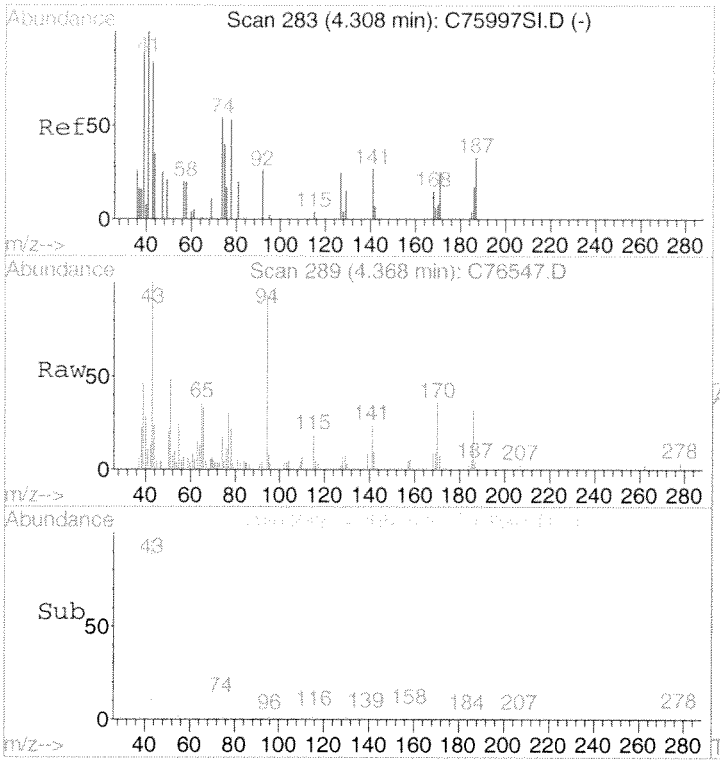
#40
Trichloroethene
Concen: Below Cal
RT: 9.21 min Scan# 780
Delta R.T. 0.08 min
Lab File: C76547.D
Acq: 15 Oct 2010 6:44 pm

Tgt Ion: 95 Resp: 392

Ion	Ratio	Lower	Upper
95	100		
130	0.0	78.9	118.9#
132	0.0	74.5	114.5#



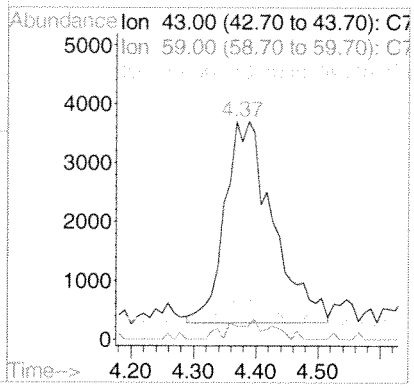
X



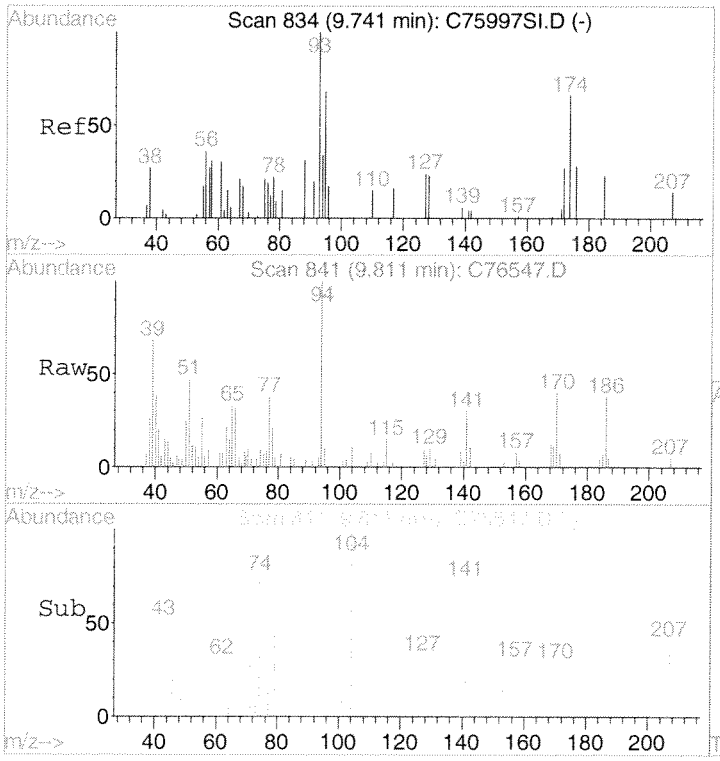
#43
Methyl acetate
Concen: 1.20 ug/L
RT: 4.37 min Scan# 289
Delta R.T. 0.00 min
Lab File: C76547.D
Acq: 15 Oct 2010 6:44 pm

Tgt Ion: 43 Resp: 18410

Ion	Ratio	Lower	Upper
43	100		
59	5.1	4.2	6.4
74	7.5	11.8	17.8#



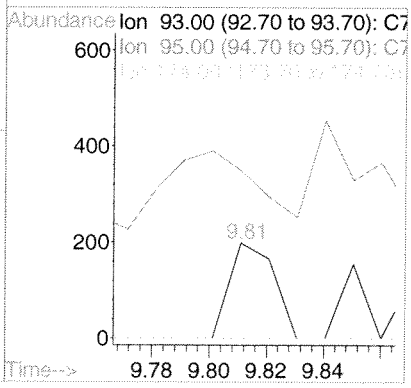
X



#46
Dibromomethane
Concen: Below Cal
RT: 9.81 min Scan# 841
Delta R.T. 0.01 min
Lab File: C76547.D
Acq: 15 Oct 2010 6:44 pm

Tgt Ion: 93 Resp: 215

Ion	Ratio	Lower	Upper
93	100		
95	0.0	63.4	103.4#
174	0.0	68.6	108.6#



X

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-4
Matrix: Solid
Percent Solid: 91
Dilution Factor: 115
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	115	U	1,1,2-Trichloroethane	86	U
Chloromethane	115	U	1,3-Dichloropropane	115	U
Vinyl Chloride	115	U	Tetrachloroethene	115	U
Bromomethane	115	U	2-Hexanone	1150	U
Chloroethane	115	U	Dibromochloromethane	86	U
Trichlorofluoromethane	115	U	1,2-Dibromoethane	86	U
1,1-Dichloroethene	86	U	Chlorobenzene	115	U
Acetone	1150	U	1,1,1,2-Tetrachloroethane	115	U
Methyl iodide	115	U	Ethylbenzene	115	U
Carbon Disulfide	115	U	o-Xylene	115	U
Methylene Chloride	573	U	m,p-Xylene	115	U
trans-1,2-Dichloroethene	115	U	Styrene	115	U
Methyl-tert-butyl ether (MTBE)	86	U	Bromoform	86	U
1,1-Dichloroethane	115	U	Isopropylbenzene	115	U
Vinyl acetate	860	U	1,1,2,2-Tetrachloroethane	86	U
Methyl ethyl ketone	1150	U	Bromobenzene	115	U
cis-1,2-Dichloroethene	115	U	1,2,3-Trichloropropane	115	U
2,2-Dichloropropane	115	U	n-Propylbenzene	115	U
Bromochloromethane	115	U	2-Chlorotoluene	115	U
Chloroform	86	U	1,3,5-Trimethylbenzene	115	U
1,1,1-Trichloroethane	115	U	4-Chlorotoluene	115	U
1,1-Dichloropropene	115	U	tert-butylbenzene	115	U
Carbon Tetrachloride	115	U	1,2,4-Trimethylbenzene	115	U
1,2-Dichloroethane	86	U	sec-butylbenzene	115	U
Benzene	115	U	p-isopropyltoluene	115	U
Trichloroethene	115	U	1,3-Dichlorobenzene	115	U
1,2-Dichloropropane	86	U	1,4-Dichlorobenzene	115	U
Dibromomethane	115	U	n-butylbenzene	115	U
Bromodichloromethane	86	U	1,2-Dichlorobenzene	115	U
cis-1,3-Dichloropropene	115	U	1,2-Dibromo-3-chloropropane	115	U
Methyl isobutyl ketone	1150	U	1,2,4-Trichlorobenzene	115	U
Toluene	115	U	Hexachlorobutadiene	115	U
trans-1,3-Dichloropropene	115	U	Naphthalene	115	U
			1,2,3-Trichlorobenzene	115	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93 %	d8-Toluene	102 %	Bromofluorobenzen	102 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76548.D Vial: 16
Acq On : 15 Oct 2010 7:21 pm Operator: MT
Sample : 67967-4 Inst : Instr_C
Misc : 50,9.61,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

5000 X 10 / 50 X 9.61 X .9079 = 114.6

TD 10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.16	168	198732	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.65	114	406028	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.18	117	347481	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.89	152	143360	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	8.04	65	141277	18.72 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.60%		
36) d4-1,2-Dichloroethane	8.04	65	141277	18.70 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 93.50%		
54) d8-Toluene	10.91	98	455403	20.34 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.70%		
73) Bromofluorobenzene	15.05	95	167285	20.46 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.30%		

Target Compounds						Qvalue
~~3)~~ Chloromethane	2.04	50	1422	~~Below Cal~~	#	55
~~5)~~ Bromomethane	2.52	94	1763	~~1.12 ug/L~~	#	19
~~12)~~ Acetone	3.65	43	2836	~~Below Cal~~	#	85
~~16)~~ Methylene Chloride	4.55	84	18468	NOD ~~2.03 ug/L~~	#	81
~~21)~~ 1,1-Dichloroethane	5.75	63	296	~~Below Cal~~	#	51
~~30)~~ Bromochloromethane	7.21	128	203	~~Below Cal~~	#	10
~~31)~~ Tetrahydrofuran	7.27	71	357	~~Below Cal~~	#	1
~~40)~~ Trichloroethene	9.12	95	580	~~Below Cal~~	#	7
~~46)~~ Dibromomethane	9.81	93	569	~~Below Cal~~	#	28
~~92)~~ 1,2-Dibromo-3-chloropropan	18.76	75	178	~~Below Cal~~	#	50

ND

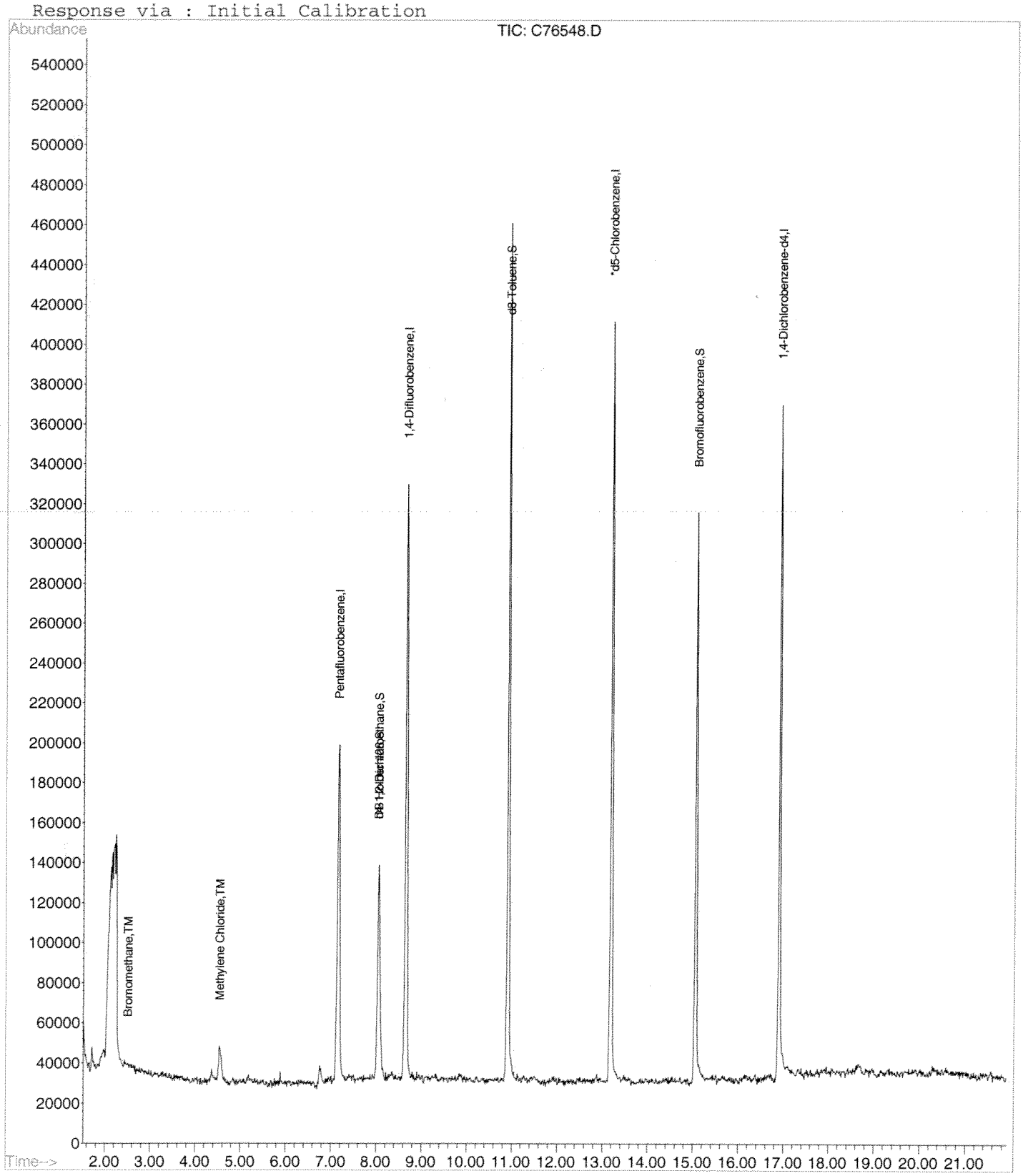
MT 10/18/10

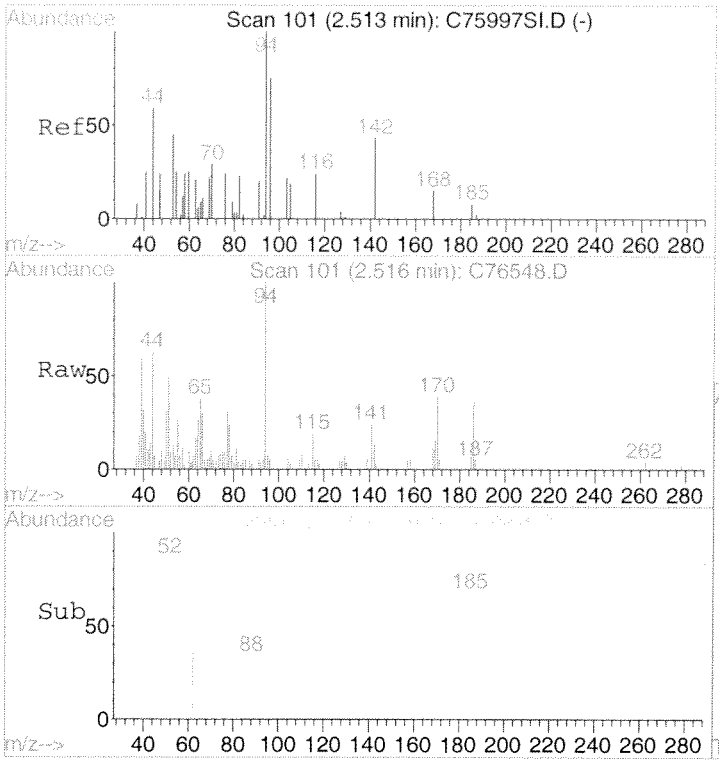
(#) = qualifier out of range (m) = manual integration
C76548.D V808100C.M Sat Oct 16 13:01:44 2010

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76548.D Vial: 16
Acq On : 15 Oct 2010 7:21 pm Operator: MT
Sample : 67967-4 Inst : Instr_C
Misc : 50,9.61,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration

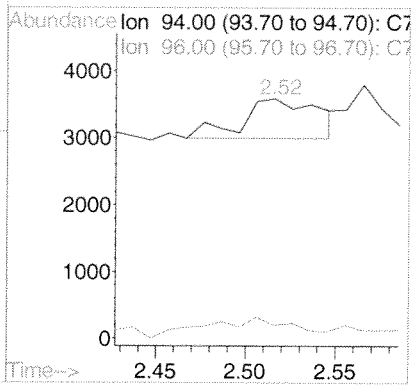




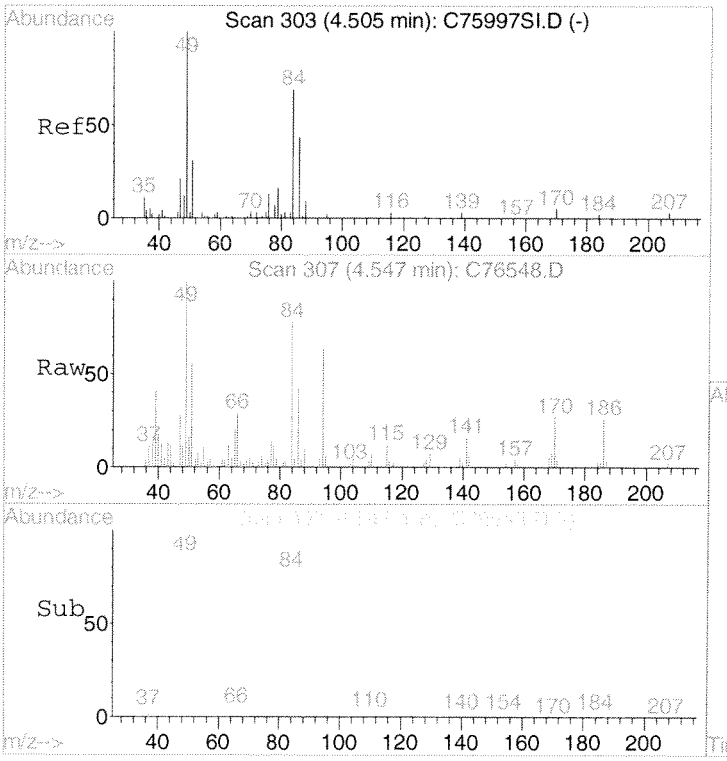
#5
Bromomethane
Concen: 1.12 ug/L
RT: 2.52 min Scan# 101
Delta R.T. -0.02 min
Lab File: C76548.D
Acq: 15 Oct 2010 7:21 pm

Tgt Ion: 94 Resp: 1763

Ion	Ratio	Lower	Upper
94	100		
96	16.3	75.4	115.4#



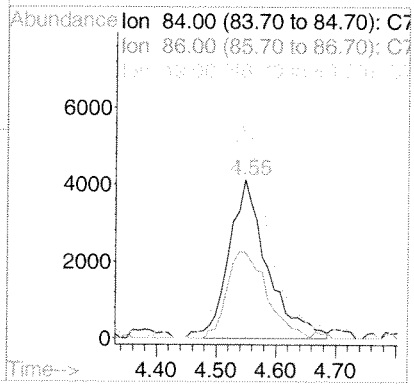
X



#16
Methylene Chloride
Concen: 2.03 ug/L
RT: 4.55 min Scan# 307
Delta R.T. -0.02 min
Lab File: C76548.D
Acq: 15 Oct 2010 7:21 pm

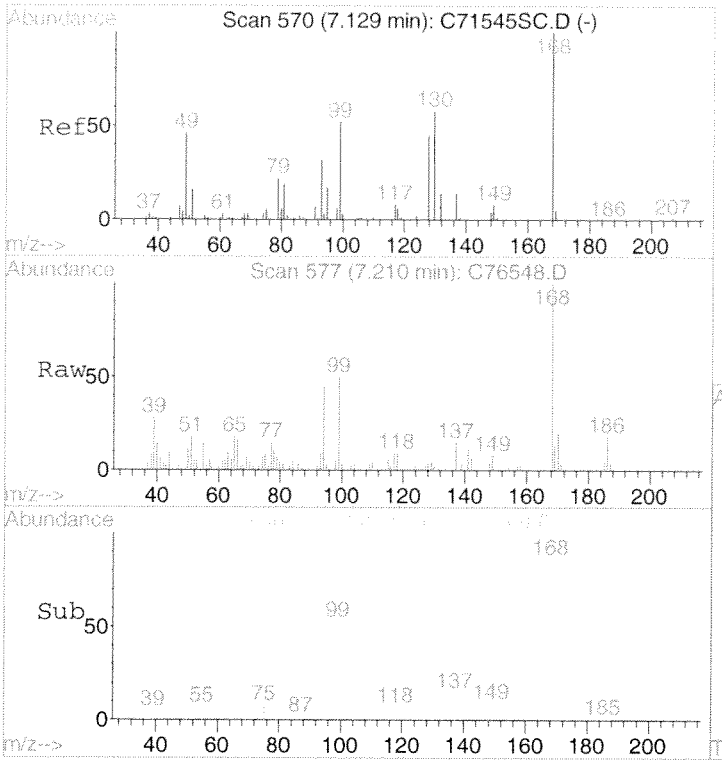
Tgt Ion: 84 Resp: 18468

Ion	Ratio	Lower	Upper
84	100		
86	54.2	42.9	82.9
49	128.7	138.3	178.3#



X

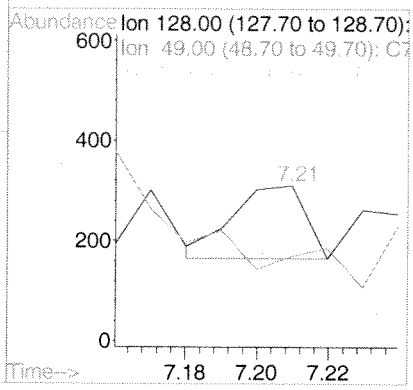
No



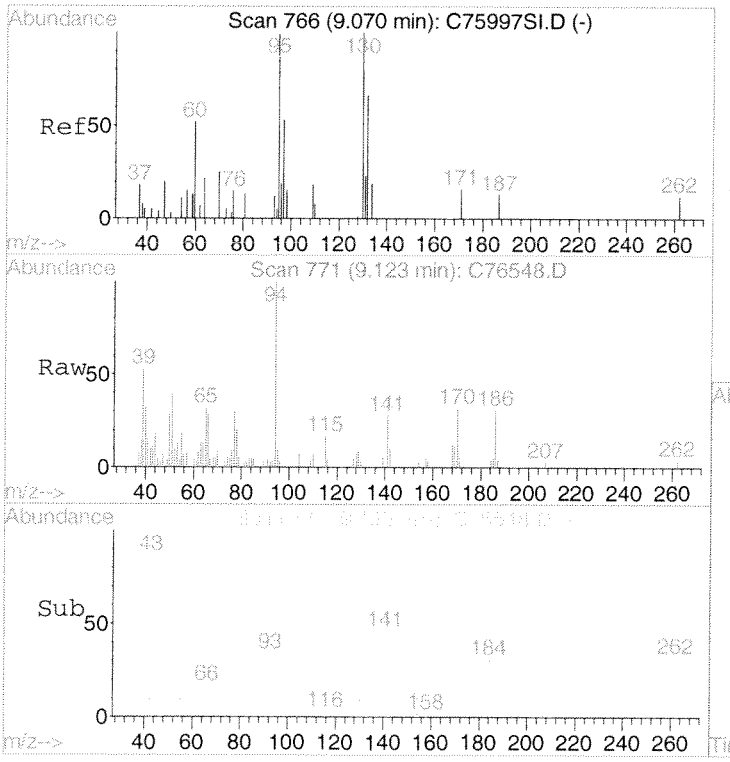
#30
Bromochloromethane
Concen: Below Cal
RT: 7.21 min Scan# 577
Delta R.T. 0.01 min
Lab File: C76548.D
Acq: 15 Oct 2010 7:21 pm

Tgt Ion:128 Resp: 203

Ion	Ratio	Lower	Upper
128	100		
49	0.0	175.1	215.1#
130	95.2	104.4	144.4#



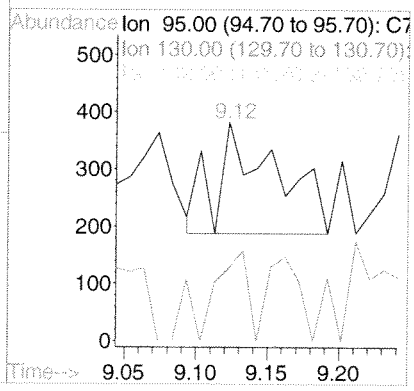
X



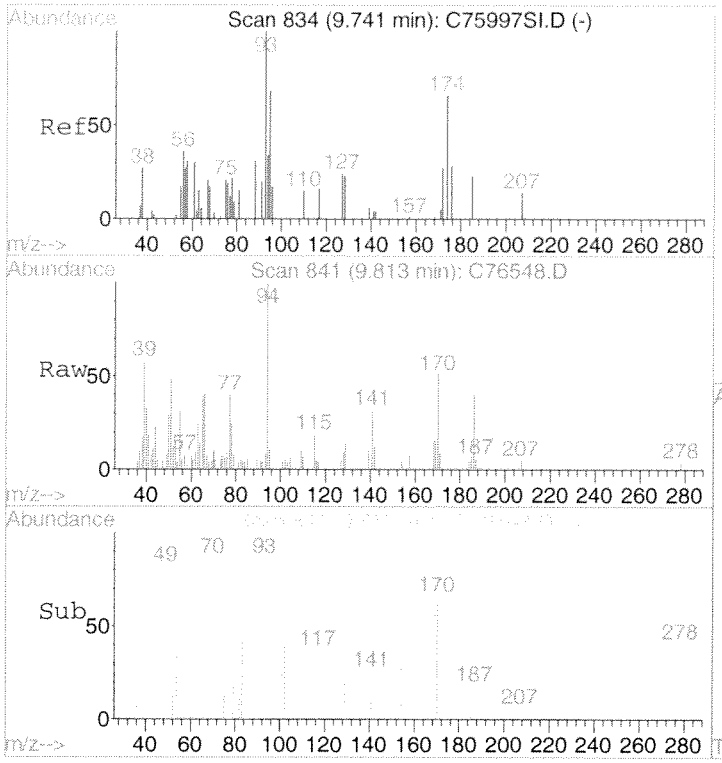
#40
Trichloroethene
Concen: Below Cal
RT: 9.12 min Scan# 771
Delta R.T. -0.01 min
Lab File: C76548.D
Acq: 15 Oct 2010 7:21 pm

Tgt Ion: 95 Resp: 580

Ion	Ratio	Lower	Upper
95	100		
130	10.3	78.9	118.9#
132	0.0	74.5	114.5#



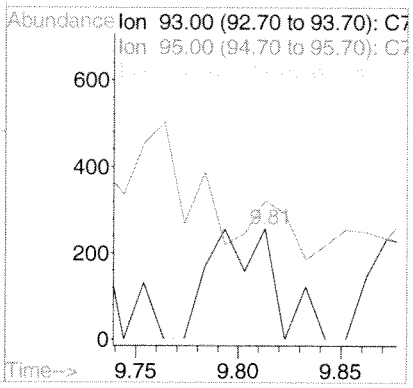
X

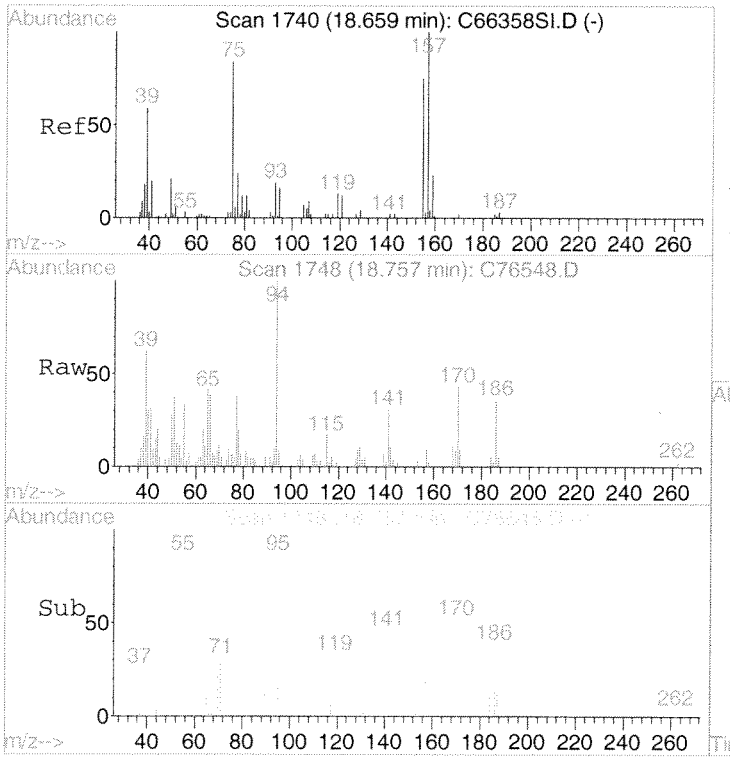


#46
Dibromomethane
Concen: Below Cal
RT: 9.81 min Scan# 841
Delta R.T. 0.01 min
Lab File: C76548.D
Acq: 15 Oct 2010 7:21 pm

Tgt Ion: 93 Resp: 569

Ion	Ratio	Lower	Upper
93	100		
95	40.1	63.4	103.4#
174	0.0	68.6	108.6#

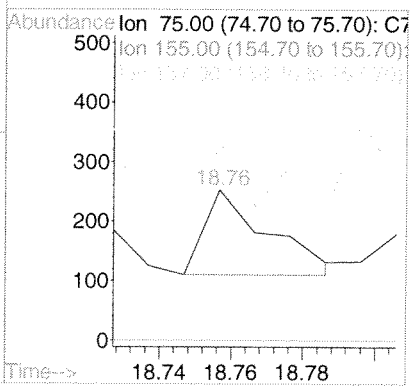




#92
1,2-Dibromo-3-chloropropane
Concen: Below Cal
RT: 18.76 min Scan# 1748
Delta R.T. 0.00 min
Lab File: C76548.D
Acq: 15 Oct 2010 7:21 pm

Tgt Ion: 75 Resp: 178

Ion	Ratio	Lower	Upper
75	100		
155	0.0	66.6	106.6#
157	113.3	80.5	120.5



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-5
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	106 %	d8-Toluene	112 %	Bromofluorobenzen	115 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76543.D Vial: 11
Acq On : 15 Oct 2010 4:16 pm Operator: MT
Sample : 67967-5 Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

500x10/50x10x0.1 = 100

OD 10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.16	168	184345	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.65	114	372482	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.18	117	319604	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.89	152	131649	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	8.05	65	148163	21.16 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.80%		
36) d4-1,2-Dichloroethane	8.05	65	148163	21.14 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.70%		
54) d8-Toluene	10.91	98	461629	22.48 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 112.40%		
73) Bromofluorobenzene	15.05	95	172405	22.92 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 114.60%		

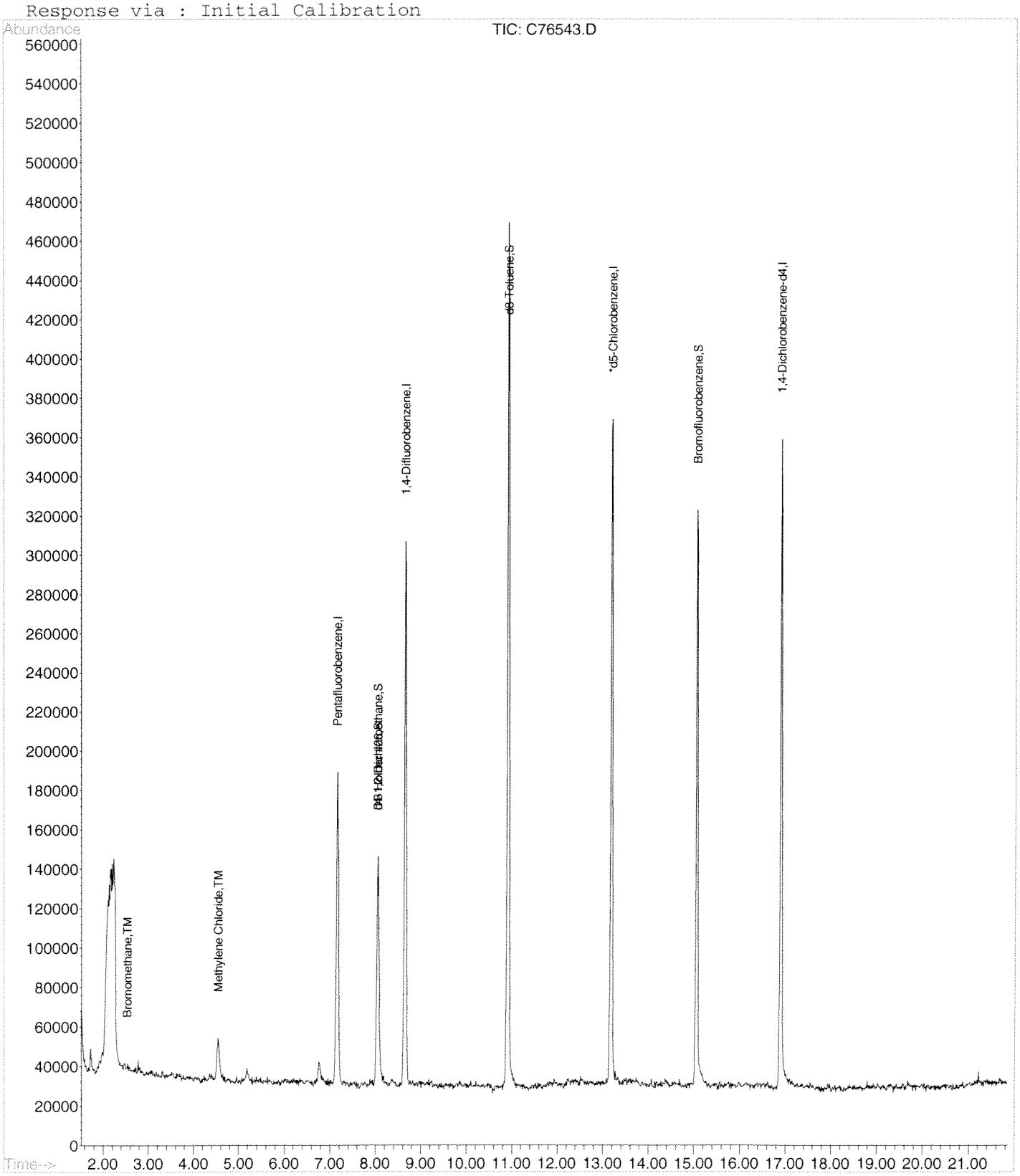
Target Compounds						Qvalue
~~3)~~ Chloromethane	2.07	50	1090	~~Below Cal~~		84
~~5)~~ Bromomethane	2.53	94	1050	~~1.02 ug~~/L	#	4
~~12)~~ Acetone	3.66	43	1388	~~Below Cal~~	#	1
~~16)~~ Methylene Chloride	4.56	84	19080 LOJ	~~2.34 ug~~/L		92
~~21)~~ 1,1-Dichloroethane	5.71	63	314	~~Below Cal~~		86
~~30)~~ Bromochloromethane	7.23	128	508	~~Below Cal~~	#	1
31) Tetrahydrofuran	7.31	71	404	~~Below Cal~~	#	1
~~40)~~ Trichloroethene	9.13	95	272	~~Below Cal~~	#	1
~~46)~~ Dibromomethane	9.81	93	337	~~Below Cal~~	#	25
~~92)~~ 1,2-Dibromo-3-chloropropan	18.73	75	93	~~Below Cal~~	#	44

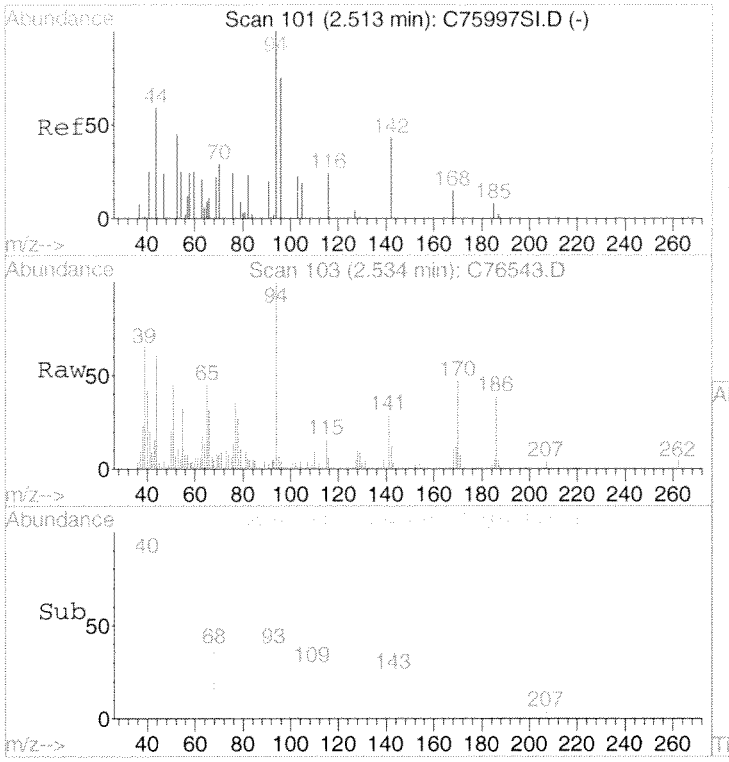
VMT 10/18/10

(#) = qualifier out of range (m) = manual integration
C76543.D V808100C.M Sat Oct 16 13:01:22 2010

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76543.D Vial: 11
Acq On : 15 Oct 2010 4:16 pm Operator: MT
Sample : 67967-5 Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration

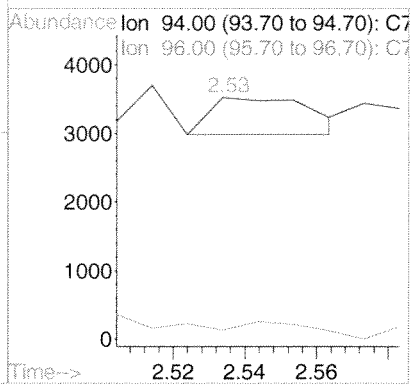




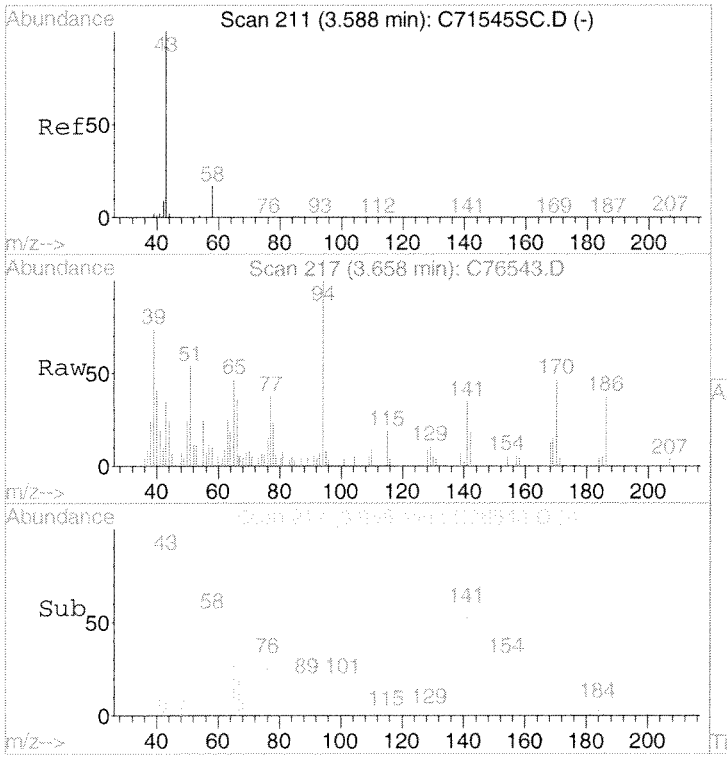
#5
Bromomethane
Concen: 1.02 ug/L
RT: 2.53 min Scan# 103
Delta R.T. 0.00 min
Lab File: C76543.D
Acq: 15 Oct 2010 4:16 pm

Tgt Ion: 94 Resp: 1050

Ion	Ratio	Lower	Upper
94	100		
96	1.5	75.4	115.4#



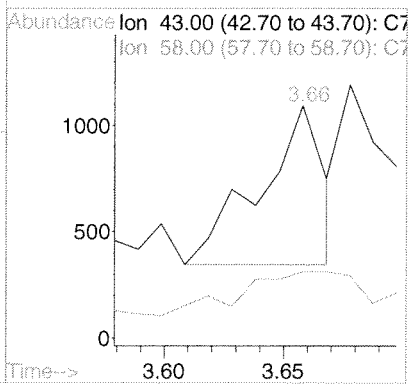
X



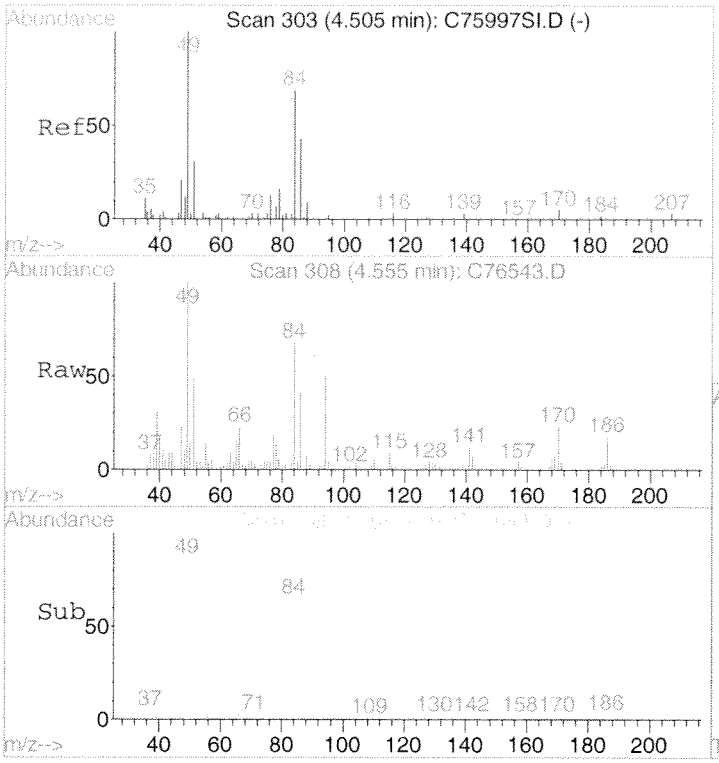
#12
Acetone
Concen: Below Cal
RT: 3.66 min Scan# 217
Delta R.T. 0.03 min
Lab File: C76543.D
Acq: 15 Oct 2010 4:16 pm

Tgt Ion: 43 Resp: 1388

Ion	Ratio	Lower	Upper
43	100		
58	143.8	20.9	31.3#



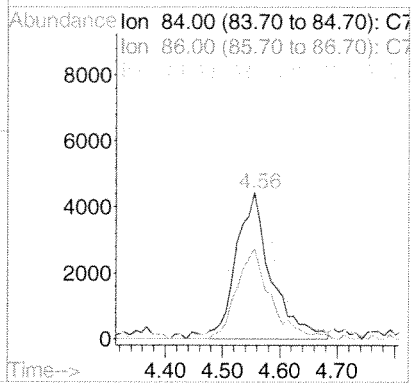
X

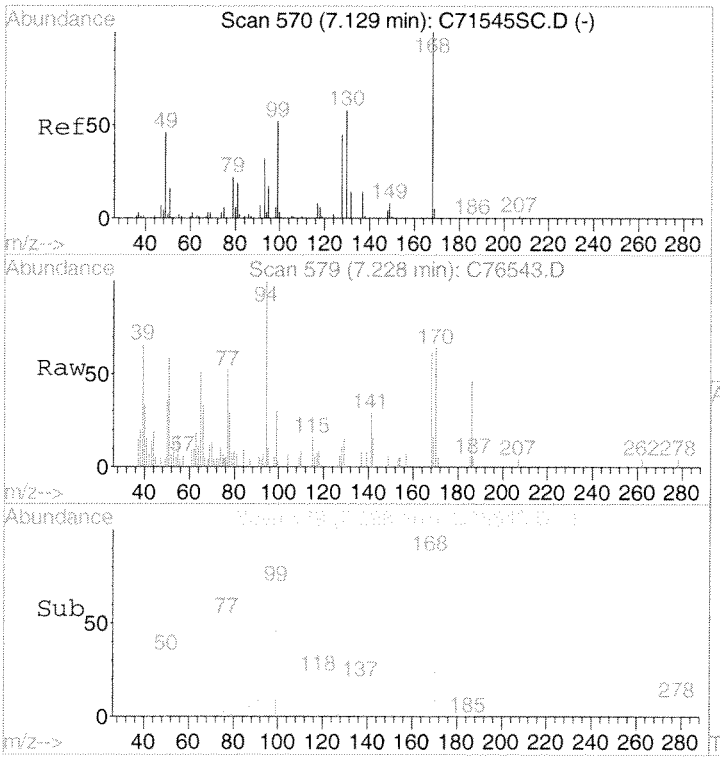


#16
Methylene Chloride
Concen: 2.34 ug/L
RT: 4.56 min Scan# 308
Delta R.T. -0.01 min
Lab File: C76543.D
Acq: 15 Oct 2010 4:16 pm

Tgt Ion: 84 Resp: 19080

Ion	Ratio	Lower	Upper	
84	100			X
86	61.9	42.9	82.9	<5
49	143.4	138.3	178.3	No)

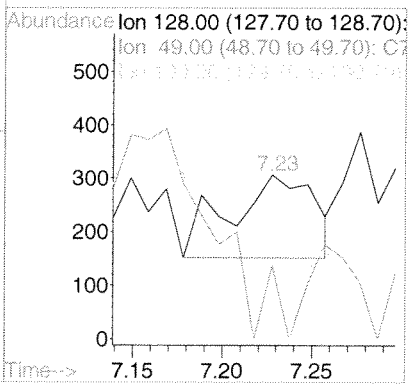




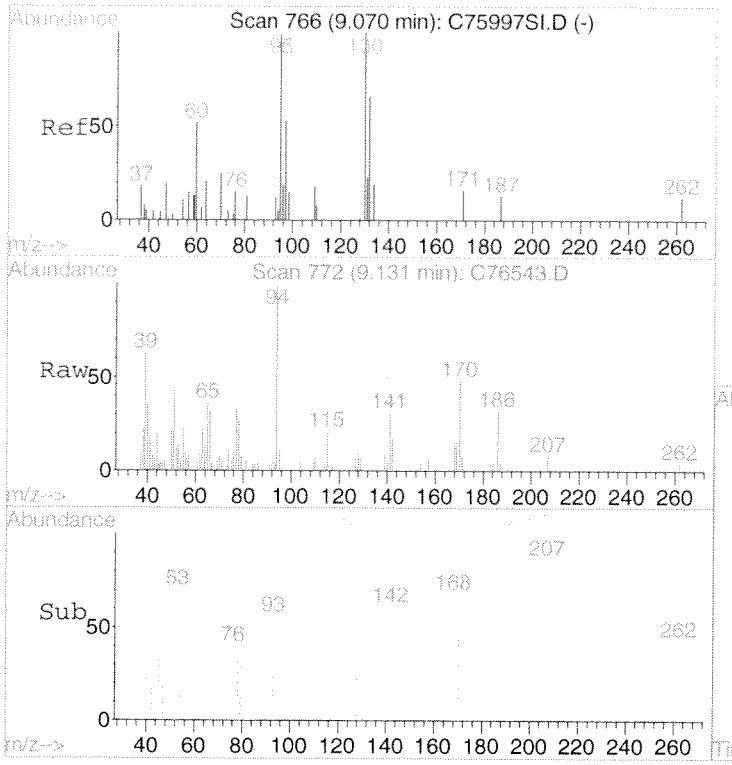
#30
Bromochloromethane
Concen: Below Cal
RT: 7.23 min Scan# 579
Delta R.T. 0.03 min
Lab File: C76543.D
Acq: 15 Oct 2010 4:16 pm

Tgt Ion:128 Resp: 508

Ion	Ratio	Lower	Upper
128	100		
49	0.0	175.1	215.1#
130	0.0	104.4	144.4#



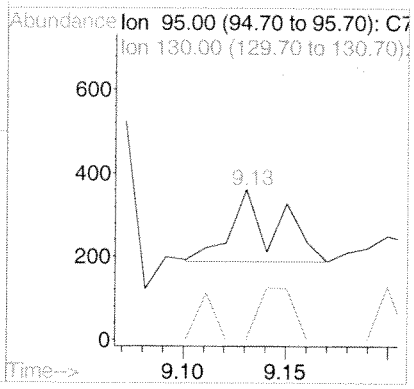
X

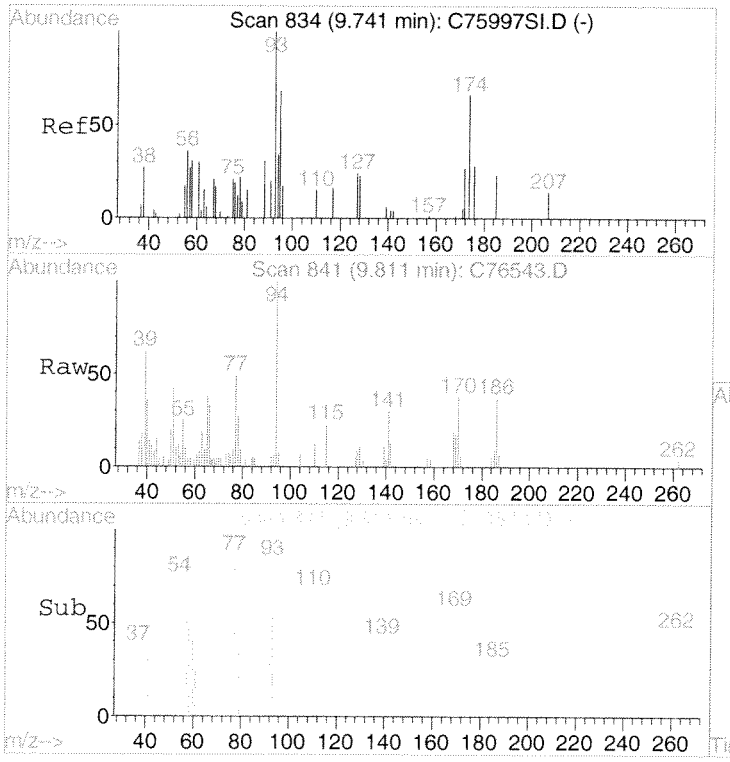


#40
Trichloroethene
Concen: Below Cal
RT: 9.13 min Scan# 772
Delta R.T. 0.00 min
Lab File: C76543.D
Acq: 15 Oct 2010 4:16 pm

Tgt Ion: 95 Resp: 272

Ion	Ratio	Lower	Upper
95	100		
130	0.0	78.9	118.9#
132	0.0	74.5	114.5#

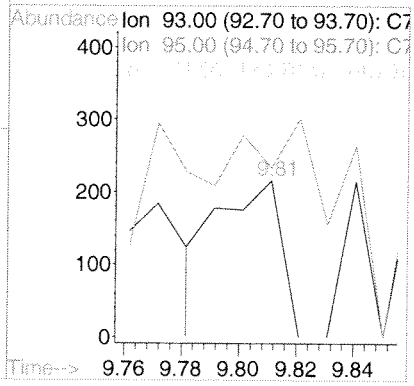


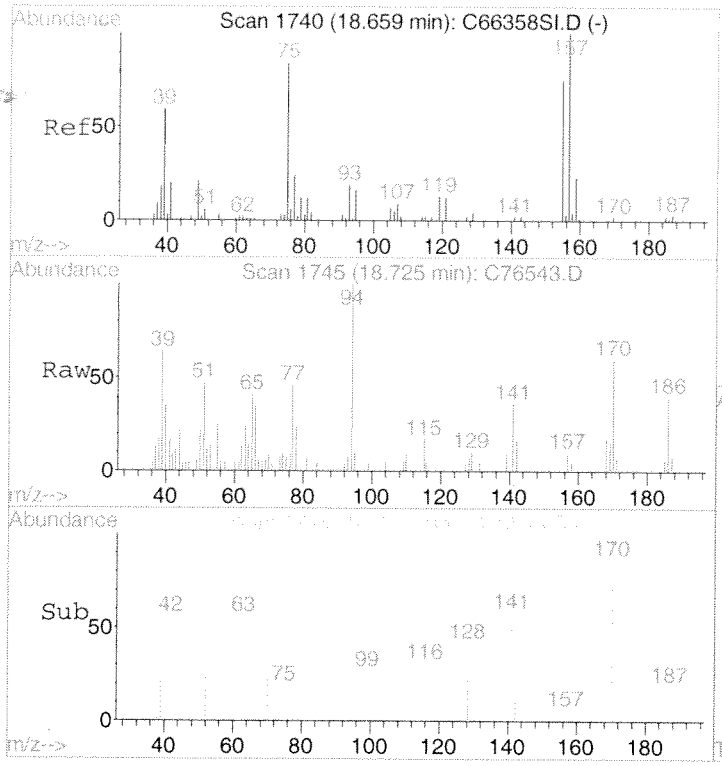


#46
Dibromomethane
Concen: Below Cal
RT: 9.81 min Scan# 841
Delta R.T. 0.01 min
Lab File: C76543.D
Acq: 15 Oct 2010 4:16 pm

Tgt Ion: 93 Resp: 337

Ion	Ratio	Lower	Upper
93	100		
95	35.6	63.4	103.4#
174	0.0	68.6	108.6#

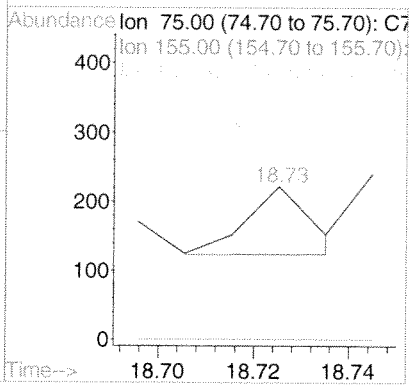




#92
1,2-Dibromo-3-chloropropane
Concen: Below Cal
RT: 18.73 min Scan# 1745
Delta R.T. -0.03 min
Lab File: C76543.D
Acq: 15 Oct 2010 4:16 pm

Tgt Ion: 75 Resp: 93

Ion	Ratio	Lower	Upper
75	100		
155	0.0	66.6	106.6#
157	76.3	80.5	120.5#



VOLATILE
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:VOCQC.doc

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): N

SDG: 67967

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	95		101		100	
LS10150C,RR	95		100		102	
LS10150C2,RR	88		100		99	
MB10150C	91		98		97	
67967-5	106		112		115	
67967-1	105		115		111	
67967-2	107		110		111	
67967-3	99		108		108	
67967-4	93		102		102	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

10/18/10

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: MB10150C
Spike: LS10150C,RR
Spike duplicate: LS10150C2,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	2000	2000	49	82	25	0	1585	79		1552	78		2	
Chloromethane	2000	2000	75	125	25	0	1778	89		1643	82		8	
Vinyl Chloride	2000	2000	75	125	25	0	1667	83		1701	85		2	
Bromomethane	2000	2000	75	125	25	0	2162	108		2218	111		3	
Chloroethane	2000	2000	75	125	25	0	1969	98		1844	92		7	
t-Butyl alcohol (TBA)	10000	10000	60	140	25	0	8694	87		7543	75		14	
Trichlorofluoromethane	2000	2000	75	125	25	0	1691	85		1679	84		1	
Diethyl ether	2000	2000	75	125	25	0	2141	107		2074	104		3	
1,1,2-Trichlorotrifluoroethane	2000	2000	75	125	25	0	1955	98		1885	94		4	
Acetone	5000	5000	75	125	25	0	6153	123		5911	118		4	
1,1-Dichloroethene	2000	2000	75	125	25	0	1971	99		1945	97		1	
Methyl iodide	2000	2000	75	125	25	0	2089	104		2263	113		8	
Di-isopropyl ether (DIPE)	2000	2000	75	125	25	0	1931	97		1899	95		2	
Methylene Chloride	2000	2000	75	125	25	0	1977	99		1943	97		2	
Carbon Disulfide	2000	2000	75	125	25	0	2069	103		2045	102		1	
Acrylonitrile	2000	2000	75	125	25	0	1994	100		1764	88		12	
Methyl-tert-butyl ether (MTBE)	2000	2000	75	125	25	0	1963	98		1977	99		1	
trans-1,2-Dichloroethene	2000	2000	75	125	25	0	1910	96		1863	93		2	
1,1-Dichloroethane	2000	2000	75	125	25	0	1990	99		1928	96		3	
Methyl ethyl ketone	5000	5000	60	140	25	0	5047	101		4044	81		22	
Ethyl t-butyl ether (ETBE)	2000	2000	75	125	25	0	1950	97		1906	95		2	
2,2-Dichloropropane	2000	2000	75	125	25	0	1865	93		1782	89		5	
cis-1,2-Dichloroethene	2000	2000	75	125	25	0	1911	96		1844	92		4	
t-Amyl methyl ether (TAME)	2000	2000	75	125	25	0	1887	94		1835	92		3	
Chloroform	2000	2000	75	125	25	0	1854	93		1790	90		3	
Bromochloromethane	2000	2000	75	125	25	0	1979	99		1964	98		1	
Tetrahydrofuran	2000	2000	60	140	25	0	1831	92		1696	85		8	
1,1,1-Trichloroethane	2000	2000	75	125	25	0	1841	92		1791	90		3	
1,1-Dichloropropene	2000	2000	75	125	25	0	1897	95		1921	96		1	
Carbon Tetrachloride	2000	2000	75	125	25	0	1983	99		1938	97		2	
1,2-Dichloroethane	2000	2000	75	125	25	0	1895	95		1849	92		2	
Benzene	2000	2000	75	125	25	0	1913	96		1904	95		0	
Trichloroethene	2000	2000	75	125	25	0	1949	97		2001	100		3	
1,2-Dichloropropane	2000	2000	75	125	25	0	1923	96		1914	96		0	
Methylmethacrylate	2000	2000	75	125	25	0	1691	85		1613	81		5	
Bromodichloromethane	2000	2000	75	125	25	0	1772	89		1781	89		1	
Dibromomethane	2000	2000	75	125	25	0	1918	96		1913	96		0	
2-Hexanone	5000	5000	75	125	25	0	4483	90		3954	79		13	
Methyl isobutyl ketone	5000	5000	75	125	25	0	4521	90		4189	84		8	
cis-1,3-Dichloropropene	2000	2000	75	125	25	0	1913	96		1906	95		0	
Toluene	2000	2000	75	125	25	0	1870	94		1881	94		1	
trans-1,3-Dichloropropene	2000	2000	75	125	25	0	1844	92		1833	92		1	
1,1,2-Trichloroethane	2000	2000	75	125	25	0	1943	97		1909	95		2	
1,3-Dichloropropane	2000	2000	75	125	25	0	1772	89		1764	88		0	
Tetrachloroethene	2000	2000	75	125	25	0	1625	81		1651	83		2	
Dibromochloromethane	2000	2000	75	125	25	0	1743	87		1754	88		1	
1,2-Dibromoethane	2000	2000	75	125	25	0	1764	88		1736	87		2	
Chlorobenzene	2000	2000	75	125	25	0	1817	91		1843	92		1	
1,1,1,2-Tetrachloroethane	2000	2000	75	125	25	0	1843	92		1858	93		1	
Ethylbenzene	2000	2000	75	125	25	0	1784	89		1806	90		1	
m,p-Xylene	4000	4000	75	125	25	0	3578	89		3615	90		1	
o-Xylene	2000	2000	75	125	25	0	1773	89		1831	92		3	
Styrene	2000	2000	75	125	25	0	1813	91		1841	92		2	

VOA FORM 3

VMT 10/18/10

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: MB10150C
Spike: LS10150C,RR
Spike duplicate: LS10150C2,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Bromoform	2000	2000	75	125	25	0	1661	83		1659	83		0	
Isopropylbenzene	2000	2000	75	125	25	0	1810	90		1809	90		0	
1,1,2,2-Tetrachloroethane	2000	2000	75	125	25	0	1696	85		1601	80		6	
1,2,3-Trichloropropane	2000	2000	75	125	25	0	1878	94		1755	88		7	
trans-1,4-Dichloro-2-butene	2000	2000	75	125	25	0	1900	95		1853	93		3	
n-Propylbenzene	2000	2000	75	125	25	0	1781	89		1784	89		0	
Bromobenzene	2000	2000	75	125	25	0	1845	92		1807	90		2	
1,3,5-Trimethylbenzene	2000	2000	75	125	25	0	1810	91		1805	90		0	
2-Chlorotoluene	2000	2000	75	125	25	0	1857	93		1843	92		1	
4-Chlorotoluene	2000	2000	75	125	25	0	1788	89		1817	91		2	
tert-butylbenzene	2000	2000	75	125	25	0	1749	87		1805	90		3	
1,2,4-Trimethylbenzene	2000	2000	75	125	25	0	1756	88		1724	86		2	
sec-butylbenzene	2000	2000	75	125	25	0	1793	90		1784	89		1	
p-isopropyltoluene	2000	2000	75	125	25	0	1751	88		1748	87		0	
1,3-Dichlorobenzene	2000	2000	75	125	25	0	1752	88		1750	88		0	
1,4-Dichlorobenzene	2000	2000	75	125	25	0	1785	89		1783	89		0	
n-butylbenzene	2000	2000	75	125	25	0	1821	91		1815	91		0	
1,2-Dichlorobenzene	2000	2000	75	125	25	0	1826	91		1822	91		0	
1,2-Dibromo-3-chloropropane	2000	2000	75	125	25	0	1756	88		1484	74	*	17	
1,2,4-Trichlorobenzene	2000	2000	75	125	25	0	1758	88		1781	89		1	
Hexachlorobutadiene	2000	2000	75	125	25	0	1774	89		1747	87		2	
Naphthalene	2000	2000	75	125	25	0	1763	88		1675	84		5	
1,2,3-Trichlorobenzene	2000	2000	75	125	25	0	1739	87		1769	88		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76539Q.D Vial: 6
Acq On : 15 Oct 2010 2:25 pm Operator: MT
Sample : LS10150C,RR Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

RP 10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.16	168	195969	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.66	114	404249	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.18	117	348645	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.89	152	148477	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	8.05	65	141827	19.05 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.25%	
36) d4-1,2-Dichloroethane	8.05	65	141827	19.04 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.20%	
54) d8-Toluene	10.91	98	447838	20.09 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.45%	
73) Bromofluorobenzene	15.05	95	167793	20.45 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.25%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.70	85	117580	15.85 ug/L	99
3) Chloromethane	1.99	50	177072	17.78 ug/L	98
4) Vinyl Chloride	2.03	62	125085	16.67 ug/L	99
5) Bromomethane	2.48	94	130806	21.62 ug/L	96
6) Chloroethane	2.58	64	111803	19.69 ug/L	97
7) t-Butyl alcohol (TBA)	4.05	59	61401	86.94 ug/L #	78
8) Trichlorofluoromethane	2.92	101	194729	16.91 ug/L	89
9) Diethyl ether	3.37	74	66178	21.41 ug/L	93
10) 1,1,2-Trichlorotrifluoroet	3.56	101	124474	19.55 ug/L #	88
12) Acetone	3.64	43	159668	61.53 ug/L	98
13) 1,1-Dichloroethene	3.77	96	116752	19.71 ug/L	94
14) Methyl iodide	4.23	142	113048	20.89 ug/L	94
15) Di-isopropyl ether (DIPE)	5.64	45	561551	19.31 ug/L	99
16) Methylene Chloride	4.55	84	134316	19.77 ug/L	99
17) Carbon Disulfide	4.52	76	414362	20.69 ug/L	97
18) Acrylonitrile	4.80	53	63028	19.94 ug/L	95
19) Methyl-tert-butyl ether (M	4.89	73	268832	19.63 ug/L #	93
20) trans-1,2-Dichloroethene	5.05	61	192575	19.10 ug/L	98
21) 1,1-Dichloroethane	5.75	63	233440	19.90 ug/L	97
22) Vinyl acetate	5.80	43	295474	24.09 ug/L	99
23) Methyl ethyl ketone	6.48	72	35428	50.47 ug/L #	96
24) Ethyl t-butyl ether (ETBE)	6.29	59	415827	19.50 ug/L	100
25) 2,2-Dichloropropane	6.65	77	141629	18.65 ug/L	93
26) cis-1,2-Dichloroethene	6.71	96	138092	19.11 ug/L	95
27) t-Amyl methyl ether (TAME)	8.03	73	330735	18.87 ug/L	99
29) Chloroform	6.95	83	220035	18.54 ug/L	96
30) Bromochloromethane	7.19	128	61739	19.79 ug/L	91
31) Tetrahydrofuran	7.31	71	15175	18.31 ug/L	87
32) 1,1,1-Trichloroethane	7.58	97	170425	18.41 ug/L	98
34) 1,1-Dichloropropene	7.81	75	176021	18.97 ug/L	98
35) Carbon Tetrachloride	7.95	119	109459	19.83 ug/L	91
37) 1,2-Dichloroethane	8.18	62	168262	18.95 ug/L	98
38) Benzene	8.18	78	461066	19.13 ug/L	99
40) Trichloroethene	9.12	95	139372	19.49 ug/L	99
41) 1,2-Dichloropropane	9.39	63	135705	19.23 ug/L	98
42) Methylmethacrylate	9.53	69	86263	16.91 ug/L	99
43) Methyl acetate	4.38	43	49533	4.69 ug/L #	95
45) Bromodichloromethane	9.74	83	145618	17.72 ug/L	99
46) Dibromomethane	9.80	93	88677	19.18 ug/L	95

(#) = qualifier out of range (m) = manual integration

VMU 10/18/10

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76539Q.D Vial: 6
Acq On : 15 Oct 2010 2:25 pm Operator: MT
Sample : LS10150C,RR Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

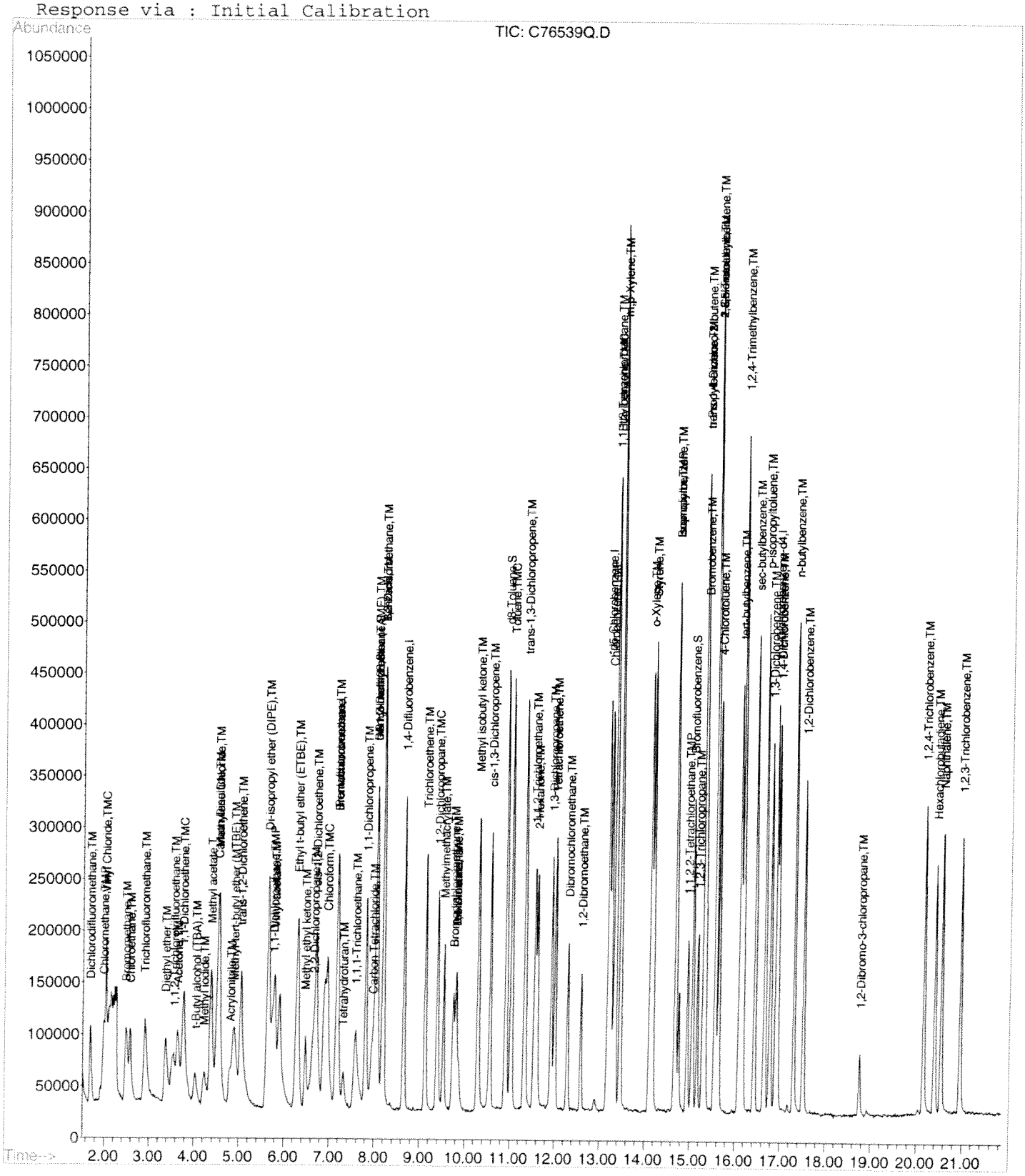
Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
47)	1,4-Dioxane	9.81	88	2271	25.87 ug/L		91
51)	2-Hexanone	11.60	58	130981	44.83 ug/L		99
52)	Methyl isobutyl ketone	10.29	58	135384	45.21 ug/L		99
53)	cis-1,3-Dichloropropene	10.56	75	207726	19.13 ug/L		98
55)	Toluene	11.02	92	292061	18.70 ug/L		97
56)	trans-1,3-Dichloropropene	11.32	75	188288	18.44 ug/L		96
58)	1,1,2-Trichloroethane	11.55	83	98232	19.43 ug/L		94
59)	1,3-Dichloropropane	11.92	76	194691	17.72 ug/L		98
60)	Tetrachloroethene	12.01	166	121292	16.25 ug/L		98
61)	Dibromochloromethane	12.30	129	130991	17.43 ug/L		100
62)	1,2-Dibromoethane	12.59	107	137156	17.64 ug/L		98
64)	Chlorobenzene	13.24	112	329407	18.17 ug/L		99
65)	1,1,1,2-Tetrachloroethane	13.31	131	115521	18.43 ug/L		98
66)	Ethylbenzene	13.33	91	505980	17.84 ug/L		100
67)	m,p-Xylene	13.46	106	413929	35.78 ug/L		95
68)	o-Xylene	14.12	106	197950	17.73 ug/L		96
69)	Styrene	14.17	104	354343	18.13 ug/L		100
70)	Bromoform	14.66	173	71416	16.61 ug/L		100
71)	Isopropylbenzene	14.68	105	526578	18.10 ug/L		99
72)	1,1,2,2-Tetrachloroethane	14.94	83	145889	16.96 ug/L		99
74)	1,2,3-Trichloropropane	15.17	75	111349	18.78 ug/L		97
75)	trans-1,4-Dichloro-2-buten	15.29	89	42322	19.00 ug/L	#	80
76)	n-Propylbenzene	15.30	91	609457	17.81 ug/L		99
77)	Bromobenzene	15.33	156	120762	18.45 ug/L		92
78)	1,3,5-Trimethylbenzene	15.55	105	412111	18.10 ug/L		99
79)	2-Chlorotoluene	15.56	91	386214	18.57 ug/L		100
80)	4-Chlorotoluene	15.64	91	351473	17.88 ug/L		99
81)	tert-butylbenzene	16.10	119	353142	17.49 ug/L		97
82)	1,2,4-Trimethylbenzene	16.16	105	428330	17.56 ug/L		99
84)	sec-butylbenzene	16.44	105	577753	17.93 ug/L		99
85)	p-isopropyltoluene	16.65	119	451524	17.51 ug/L		100
86)	1,3-Dichlorobenzene	16.77	146	208629	17.52 ug/L		98
88)	1,4-Dichlorobenzene	16.94	146	212946	17.85 ug/L		99
89)	n-butylbenzene	17.31	91	423094	18.21 ug/L		100
90)	1,2-Dichlorobenzene	17.51	146	195696	18.26 ug/L		97
92)	1,2-Dibromo-3-chloropropan	18.75	75	24143	17.56 ug/L		92
94)	1,2,4-Trichlorobenzene	20.16	180	143767	17.58 ug/L		90
95)	Hexachlorobutadiene	20.40	225	72025	17.74 ug/L		95
96)	Naphthalene	20.55	128	349932	17.62 ug/L		100
97)	1,2,3-Trichlorobenzene	20.95	180	126087	17.39 ug/L		99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76539Q.D Vial: 6
Acq On : 15 Oct 2010 2:25 pm Operator: MT
Sample : LS10150C,RR Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76540Q.D Vial: 7
Acq On : 15 Oct 2010 2:41 pm Operator: MT
Sample : LS10150C2,RR Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.16	168	205315	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.65	114	413759	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.18	117	356530	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.90	152	149358	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	8.04	65	137792	17.67 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	88.35%	
36) d4-1,2-Dichloroethane	8.04	65	137792	17.65 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	88.25%	
54) d8-Toluene	10.91	98	457076	20.03 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.15%	
73) Bromofluorobenzene	15.05	95	165486	19.72 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.60%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.69	85	120681	15.52 ug/L	97
3) Chloromethane	2.00	50	171614	16.43 ug/L	99
4) Vinyl Chloride	2.03	62	133702	17.01 ug/L	98
5) Bromomethane	2.49	94	140746	22.18 ug/L	94
6) Chloroethane	2.59	64	109701	18.44 ug/L	98
7) t-Butyl alcohol (TBA)	4.02	59	55807	75.43 ug/L #	86
8) Trichlorofluoromethane	2.91	101	202573	16.79 ug/L	96
9) Diethyl ether	3.37	74	67141	20.74 ug/L	93
10) 1,1,2-Trichlorotrifluoroet	3.54	101	125771	18.85 ug/L #	95
12) Acetone	3.63	43	161063	59.11 ug/L	100
13) 1,1-Dichloroethene	3.77	96	120713	19.45 ug/L	97
14) Methyl iodide	4.23	142	128376	22.63 ug/L	97
15) Di-isopropyl ether (DIPE)	5.64	45	578396	18.99 ug/L	98
16) Methylene Chloride	4.55	84	138400	19.43 ug/L	99
17) Carbon Disulfide	4.52	76	429178	20.45 ug/L	98
18) Acrylonitrile	4.79	53	58418	17.64 ug/L	95
19) Methyl-tert-butyl ether (M	4.89	73	283763	19.77 ug/L	97
20) trans-1,2-Dichloroethene	5.05	61	196834	18.63 ug/L	98
21) 1,1-Dichloroethane	5.74	63	237119	19.28 ug/L	99
22) Vinyl acetate	5.79	43	294270	22.90 ug/L	100
23) Methyl ethyl ketone	6.47	72	29739	40.44 ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.29	59	425752	19.06 ug/L	100
25) 2,2-Dichloropropane	6.65	77	141804	17.82 ug/L	96
26) cis-1,2-Dichloroethene	6.70	96	139582	18.44 ug/L	96
27) t-Amyl methyl ether (TAME)	8.02	73	336931	18.35 ug/L	99
29) Chloroform	6.97	83	222618	17.90 ug/L	96
30) Bromochloromethane	7.18	128	64192	19.64 ug/L	99
31) Tetrahydrofuran	7.29	71	14832	16.96 ug/L	92
32) 1,1,1-Trichloroethane	7.58	97	173704	17.91 ug/L	95
34) 1,1-Dichloropropene	7.80	75	186747	19.21 ug/L	98
35) Carbon Tetrachloride	7.95	119	112080	19.38 ug/L	99
37) 1,2-Dichloroethane	8.19	62	172073	18.49 ug/L	98
38) Benzene	8.19	78	480769	19.04 ug/L	98
40) Trichloroethene	9.13	95	146245	20.01 ug/L	99
41) 1,2-Dichloropropane	9.38	63	138233	19.14 ug/L	97
42) Methylmethacrylate	9.53	69	84212	16.13 ug/L	97
43) Methyl acetate	4.37	43	47771	4.37 ug/L #	98
45) Bromodichloromethane	9.74	83	149828	17.81 ug/L	99
46) Dibromomethane	9.80	93	90533	19.13 ug/L	97

VMT 10/18/10

(#) = qualifier out of range (m) = manual integration
C76540Q.D V808100C.M Sat Oct 16 13:01:03 2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76540Q.D Vial: 7
Acq On : 15 Oct 2010 2:41 pm Operator: MT
Sample : LS10150C2,RR Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

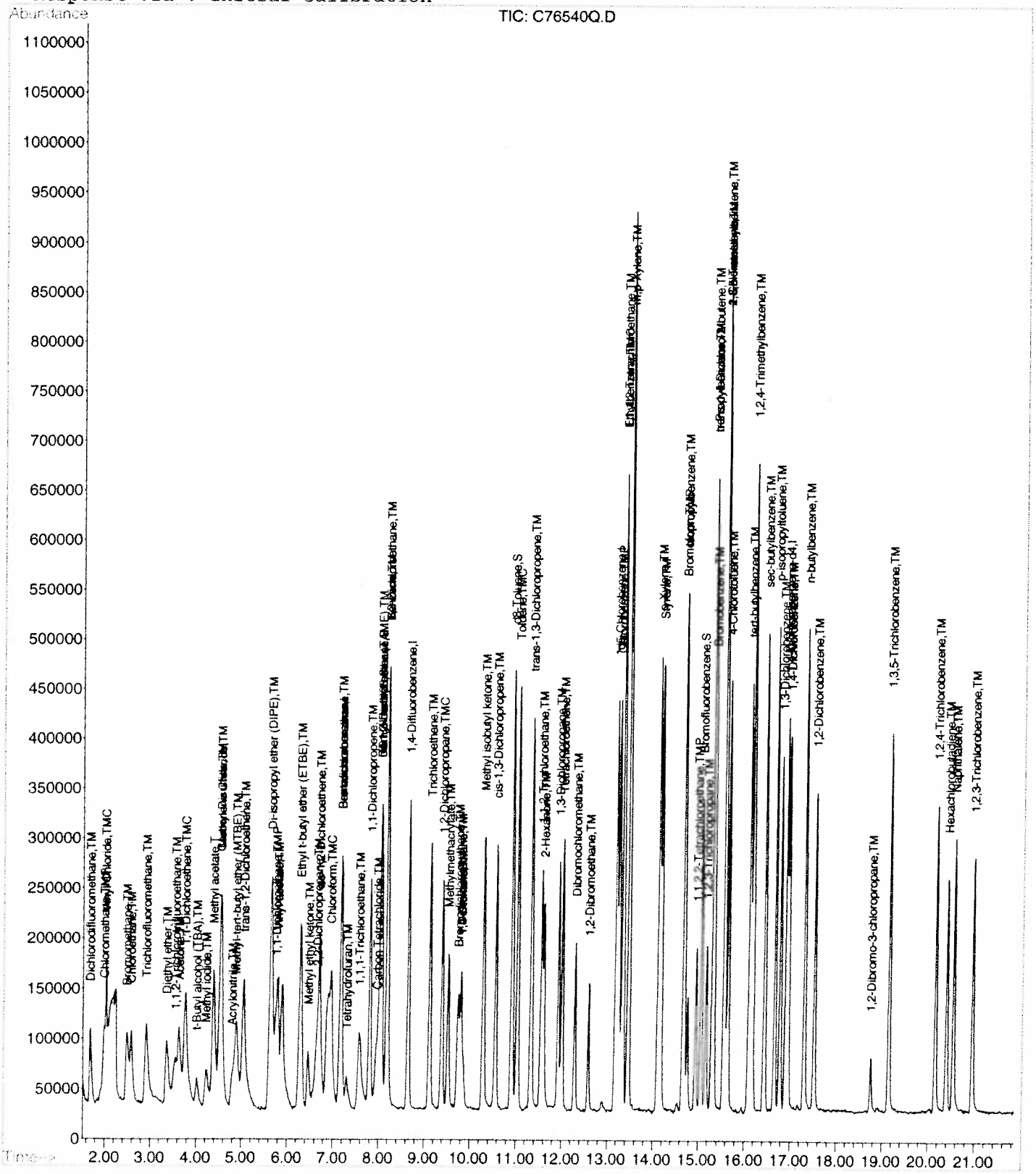
Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47)	1,4-Dioxane	9.82	88	2482	27.62 ug/L	92
51)	2-Hexanone	11.59	58	118243	39.54 ug/L	98
52)	Methyl isobutyl ketone	10.29	58	128396	41.89 ug/L	98
53)	cis-1,3-Dichloropropene	10.56	75	211835	19.06 ug/L	94
55)	Toluene	11.03	92	300596	18.81 ug/L	98
56)	trans-1,3-Dichloropropene	11.32	75	191586	18.33 ug/L	99
58)	1,1,2-Trichloroethane	11.54	83	98784	19.09 ug/L	95
59)	1,3-Dichloropropane	11.92	76	198468	17.64 ug/L	98
60)	Tetrachloroethene	12.01	166	126150	16.51 ug/L	94
61)	Dibromochloromethane	12.29	129	134898	17.54 ug/L	98
62)	1,2-Dibromoethane	12.60	107	138144	17.36 ug/L	97
64)	Chlorobenzene	13.24	112	341713	18.43 ug/L	99
65)	1,1,1,2-Tetrachloroethane	13.32	131	119111	18.58 ug/L	98
66)	Ethylbenzene	13.34	91	523807	18.06 ug/L	100
67)	m,p-Xylene	13.45	106	427577	36.15 ug/L	98
68)	o-Xylene	14.12	106	209048	18.31 ug/L	96
69)	Styrene	14.17	104	367914	18.41 ug/L	97
70)	Bromoform	14.66	173	72944	16.59 ug/L	94
71)	Isopropylbenzene	14.68	105	538187	18.09 ug/L	99
72)	1,1,2,2-Tetrachloroethane	14.94	83	140853	16.01 ug/L	97
74)	1,2,3-Trichloropropane	15.16	75	106721	17.55 ug/L	98
75)	trans-1,4-Dichloro-2-buten	15.29	89	42200	18.53 ug/L #	76
76)	n-Propylbenzene	15.30	91	624268	17.84 ug/L	98
77)	Bromobenzene	15.34	156	120936	18.07 ug/L	93
78)	1,3,5-Trimethylbenzene	15.56	105	420163	18.05 ug/L	100
79)	2-Chlorotoluene	15.56	91	392045	18.43 ug/L	98
80)	4-Chlorotoluene	15.63	91	365288	18.17 ug/L	99
81)	tert-butylbenzene	16.10	119	372730	18.05 ug/L	97
82)	1,2,4-Trimethylbenzene	16.16	105	429955	17.24 ug/L	99
84)	sec-butylbenzene	16.43	105	587666	17.84 ug/L	100
85)	p-isopropyltoluene	16.66	119	461036	17.48 ug/L	96
86)	1,3-Dichlorobenzene	16.78	146	213182	17.50 ug/L	99
88)	1,4-Dichlorobenzene	16.95	146	214030	17.83 ug/L	98
89)	n-butylbenzene	17.30	91	424411	18.15 ug/L	99
90)	1,2-Dichlorobenzene	17.52	146	196385	18.22 ug/L	96
92)	1,2-Dibromo-3-chloropropan	18.75	75	20702	14.84 ug/L	91
94)	1,2,4-Trichlorobenzene	20.16	180	146481	17.81 ug/L	93
95)	Hexachlorobutadiene	20.41	225	71346	17.47 ug/L	92
96)	Naphthalene	20.54	128	334471	16.75 ug/L	99
97)	1,2,3-Trichlorobenzene	20.96	180	129015	17.69 ug/L	96
98)	1,3,5-Trichlorobenzene	19.15	180	188141	21.56 ug/L	100

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76540Q.D Vial: 7
Acq On : 15 Oct 2010 2:41 pm Operator: MT
Sample : LS10150C2,RR Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration



analytics environmental laboratory LLC

IS only V8970 Exp: x 8-11-10

SS+IS V8931 Exp: x 8-11-10

Voltage: 2094

Threshold: 100

GC/MS Volatiles Instrument C: 081010-C

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-C-081010-1-JK							
4	V8081DOC	BFB 50 Ng	5mL	2mL	V8951	✓	C75996T	JK	NA
5		0.2 PPB	↓	0.05mL	V8953 V8941	✓	9751	↓	↓
6		0.5 PPB	↓	0.125mL	↓	✓	9851	↓	↓
7		1.0 PPB	↓	0.25mL	↓	✓	9951	↓	↓
9		2.0 PPB	↓	0.5mL	↓	✓	C76000081	↓	↓
10		5.0 PPB	↓	1.25mL	↓	✓	0151	↓	↓
11		20.0 PPB	↓	5mL	↓	✓	0251	↓	↓
12		50.0 PPB	↓	12.5mL	↓	✓	0351	↓	↓
13		100.0 PPB	↓	25mL	↓	✓	0451	↓	↓
14		Blank	↓		↓	↓	0551	↓	↓
15		20 PPB ICV	↓	5mL	V8951 V8941	✓	0661	↓	↓
16		20 PPB ICV	↓	5mL	↓	✓	0761	↓	↓

JK 08-11-10

analytics environmental laboratory LLC

Surr only V9044 711511
IS only V9088 Exp: 10/27/10
SS+IS V9089 Exp: 10/27/10

101510C

Voltage: 2094
Threshold: 160

GC/MS Volatiles Instrument C:

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-C-101510-1-TD					C		
1	V8081100C	BFB 50ng	5ml	2ml	V9084	✓	C76534T	TD	NA
2		20.0		5ml 5ml	V9090 V9092	dichlor, 1,1,2,2-T methylcyclohex, all low	35		
3		20.0				✓ dichlorodifluoro- methane low otherwise	36		
4		LS10150C	50ml		V9091 V9096 V9082	✓	37		
5		LS10150C2	50ml			✓	38		
6		LS10150C, RR	50ml			✓	39		
7		LS10150C2, RR	50ml			✓	40		
8		Bromoform	5ml	5ml	V9085	✓	41		
10		MB10150C	50ml			✓	42		
11		67967-5	50ml			✓	43		
12		68000-4	50			✓	44		
13		67967-1	50			✓	45		
14		-2	50			✓	46		
15		-3	50			✓	47		
16		-4	50			✓	48		
1		68000-1	~~5ml~~ 5ml 10x dilution			✓	49		
2		67958-1	5			✓	50		<2
3		67959-1	5			✓	51		<2
4		67960-1	5			✓ surr RR10X	52		<2
5		67995-1, 5X	1ml			RR 5ml	53		<2
6		67995-2	5ml			✓	54		<2
7		67996-1, 100X	50ml			✓	55		<2
8		68018-1	50ml			OA of 12hr window	56		<2
10		68018-1, MS	50ml				57		<2
11		68018-1, MSD	50ml				58		<2

MI 10/16/10

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG: 67967
BFB File ID: C75996T.D
BFB Injection Date: 08/10/10
BFB Injection Time: 11:05

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
0.2 PPB	C75997SI.D	8/10/10 11:40
0.5 PPB	C75998SI.D	8/10/10 12:13
1.0 PPB	C75999SI.D	8/10/10 12:55
2.0 PPB	C76000SI.D	8/10/10 13:29
5.0 PPB	C76001SI.D	8/10/10 14:07
20.0 PPB	C76002SI.D	8/10/10 14:39
50.0 PPB	C76003SI.D	8/10/10 15:08
100.0 PPB	C76004SI.D	8/10/10 15:14
20 PPB ICV	C76006CC.D	8/10/10 16:35
20 PPB ICV2	C76007CC.D	8/10/10 17:08

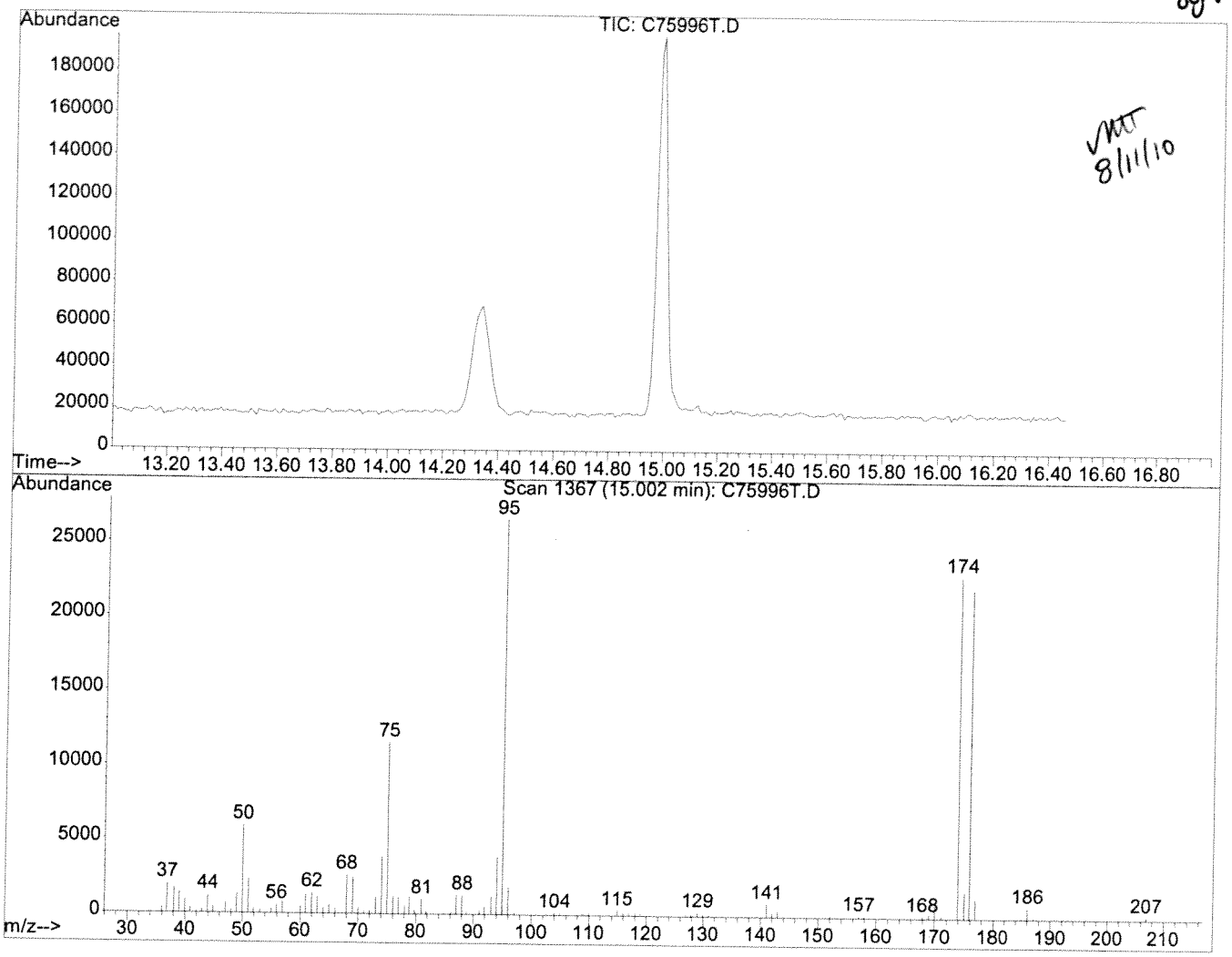
Refer to the BFB report C75996T.D for ion ratio evaluation.

VOA FORM 5

BFB

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75996T.D Vial: 4
Acq On : 10 Aug 2010 11:05 am Operator: JK
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator
Title : 8260 Purgable Organics

JL 08/10/10



VMT 8/11/10

Spectrum Information: Scan 1367

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	5911	PASS
75	95	30	60	43.3	11499	PASS
95	95	100	100	100.0	26584	PASS
96	95	5	9	6.8	1798	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.4	22960	PASS
175	174	5	9	7.9	1821	PASS
176	174	95	101	96.2	22096	PASS
177	176	5	9	5.9	1310	PASS

C75996T.D V808100C.M Tue Aug 10 11:07:26 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG: 67967
BFB File ID: C76534T.D
BFB Injection Date: 10/15/10
BFB Injection Time: 11:11

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
20 PPB	C76536SC.D	10/15/10	12:03
LS10150C,RR	C76539Q.D	10/15/10	14:25
LS10150C2,RR	C76540Q.D	10/15/10	14:41
MB10150C	C76542.D	10/15/10	15:43
67967-5	C76543.D	10/15/10	16:16
67967-1	C76545.D	10/15/10	17:24
67967-2	C76546.D	10/15/10	18:00
67967-3	C76547.D	10/15/10	18:44
67967-4	C76548.D	10/15/10	19:21

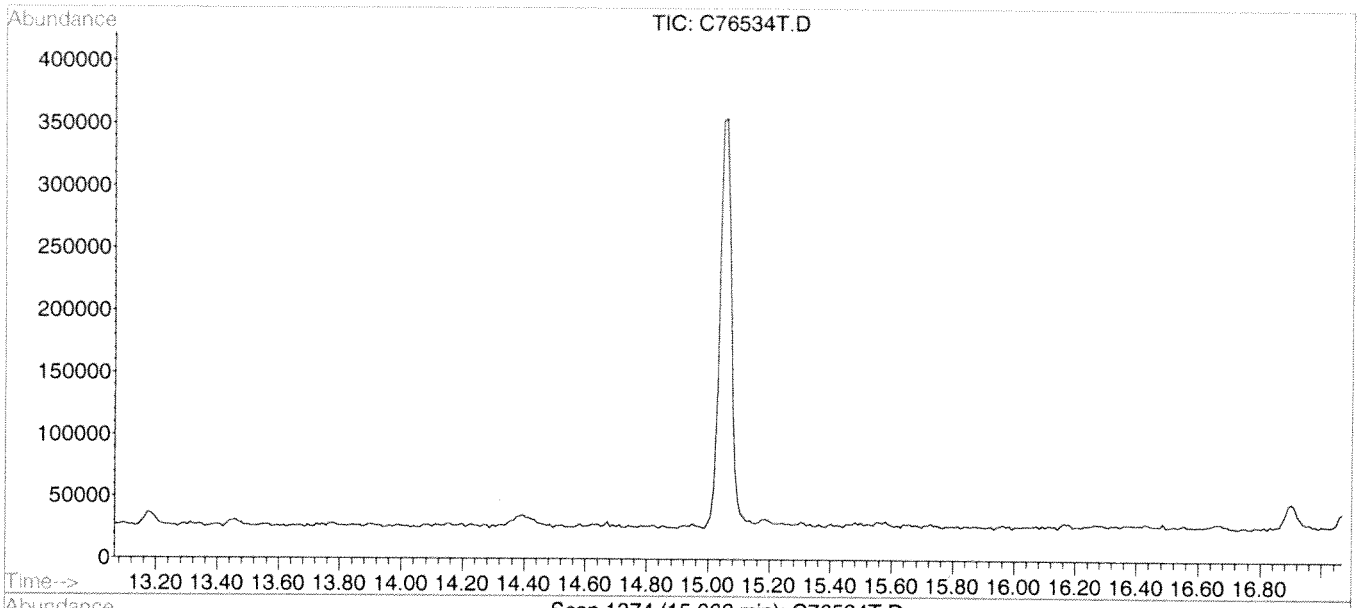
Refer to the BFB report C76534T.D for ion ratio evaluation.

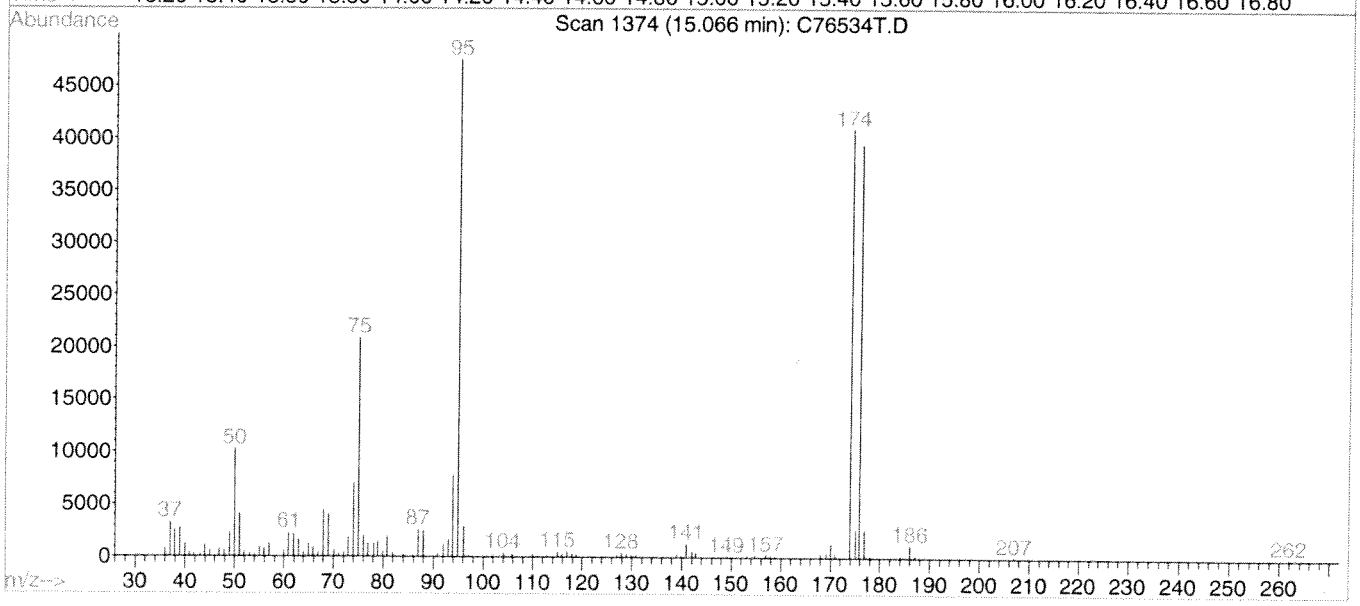
VOA FORM 5

BFB

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76534T.D Vial: 1
Acq On : 15 Oct 2010 11:11 am Operator: MT
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics

10/18/10





Spectrum Information: Scan 1374

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	10237	PASS
75	95	30	60	43.9	20856	PASS
95	95	100	100	100.0	47552	PASS
96	95	5	9	6.0	2860	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.1	40960	PASS
175	174	5	9	6.4	2640	PASS
176	174	95	101	96.3	39456	PASS
177	176	5	9	6.4	2525	PASS

VMT 10/18/10

C76534T.D V808100C.M Sat Oct 16 12:59:10 2010

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

JK 09.11.
8/11/10

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------	----------	----------	ISTD	----------	----------	----------	
2)	TM	Dichlorodifluoromet	0.928	0.735	0.729	0.730	0.722	0.700	0.757	11.16
3)	TMP	Chloromethane	1.420	0.977	1.073	0.990	1.014		1.195✓	~~24.77~~ L 1.0
4)	TMC	Vinyl Chloride	0.952	0.752	0.756	0.722	0.732	0.681	0.766	12.41✓
5)	TM	Bromomethane	0.626	0.365	0.424	0.580	0.638	0.637	0.522	~~23.92~~ L 1.0
6)	TM	Chloroethane	0.624	0.575	0.585	0.553	0.579	0.561	0.579	4.27
7)	TM	t-Butyl alcohol (TB	0.090	0.073	0.072	0.062	0.071	0.065	0.072#	13.43
8)	TM	Trichlorofluorometh	1.247	1.042	1.129	1.166	1.156	1.124	1.175	8.75
9)	TM	Diethyl ether	0.318	0.309	0.277	0.356	0.331	0.328	0.315	8.53
10)	TM	1,1,2-Trichlorotrif	0.666	0.667	0.591	0.639	0.604	0.602	0.650	10.07
11)	T	Acrolein	0.071	0.052	0.032	0.042	0.043	0.042	0.047#	~~28.02~~ L 1.0
12)	TM	Acetone	0.369	0.311	0.267	0.269	0.258	0.251	0.315	~~26.71~~ L 1.
13)	TMC	1,1-Dichloroethene	0.696	0.665	0.538	0.592	0.569	0.566	0.604	10.31✓
14)	TM	Methyl iodide	0.428	0.420	0.389	0.626	0.545		0.481	~~20.83~~ L 0.9
15)	TM	Di-isopropyl ether	3.354	2.840	2.528	2.879	2.759	2.818	2.967	12.50
16)	TM	Methylene Chloride	1.157	1.081	0.691	0.694	0.680	0.672	0.829	~~27.25~~ L 1.0
[illegible])	TM	Carbon Disulfide	2.164	2.129	1.859	2.117	1.984	2.011	2.044	5.62
18)	TM	Acrylonitrile	0.299	0.337	0.322	0.329	0.330	0.318	0.323	4.13
19)	TM	Methyl-tert-butyl e	1.140	1.170	1.443	1.527	1.545	1.493	1.398	12.12
20)	TM	trans-1,2-Dichloroe	1.220	1.085	0.892	1.015	0.978	0.965	1.029	10.17
21)	TMP	1,1-Dichloroethane	1.675	1.298	1.132	1.236	1.194	1.177	1.344✓	~~17.78~~ L 1.0
22)	TM	Vinyl acetate	1.297	0.991	1.038	1.314	1.399	1.394	1.252	13.33
23)	TM	Methyl ethyl ketone	0.079	0.063	0.065	0.071	0.069	0.066	0.072#	12.46
24)	TM	Ethyl t-butyl ether	2.426	2.109	1.861	2.152	2.081	2.105	2.176	10.04
25)	TM	2,2-Dichloropropane	0.922	0.657	0.695	0.749	0.765	0.773	0.775	11.88
26)	TM	cis-1,2-Dichloroeth	0.867	0.780	0.639	0.747	0.701	0.691	0.737	10.82
27)	TM	t-Amyl methyl ether	1.938	1.816	1.523	1.710	1.652	1.674	1.789	12.65
28)	S	DB Holder #28	0.779	0.742	0.764	0.795	0.763	0.725	0.760	2.84
29)	TMC	Chloroform	1.409	1.213	1.043	1.185	1.120	1.113	1.211	11.69✓
30)	TM	Bromochloromethane	0.589	0.377	0.325	0.331	0.313	0.309	0.396	~~29.04~~ L 1.0
31)	TM	Tetrahydrofuran	0.123	0.136	0.115	0.085	0.082	0.078	0.103	~~23.91~~ L 0.9
32)	TM	1,1,1-Trichloroetha	1.085	0.903	0.843	0.968	0.922	0.898	0.945	8.37
33)	T	Ethanol	0.016	0.012	0.012	0.013	0.012	0.012	0.013#	12.33
34)	TM	1,1-Dichloropropene	1.154	1.000	0.820	0.928	0.902	0.878	0.947	12.42
35)	TM	Carbon Tetrachlorid	0.549	0.545	0.485	0.603	0.618	0.620	0.563	9.16
36)	S	d4-1,2-Dichloroetha	0.780	0.746	0.764	0.795	0.763	0.725	0.760	2.83
37)	TM	1,2-Dichloroethane	1.005	0.871	0.892	0.925	0.885	0.859	0.906	5.87
38)	TM	Benzene	2.793	2.402	2.144	2.379	2.276	2.309	2.460	11.57
39)	I	1,4-Difluorobenzene	----------	----------	----------	ISTD	----------	----------	----------	
40)	TM	Trichloroethene	0.566	0.424	0.357	0.385	0.346	0.340	0.432	~~25.45~~ L 0.9
[illegible])	TMC	1,2-Dichloropropane	0.417	0.351	0.317	0.345	0.340	0.324	0.349	10.21✓
[illegible])	TM	Methylmethacrylate	0.272	0.295	0.240	0.243	0.235	0.230	0.252	10.13

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

JL 08.11.1

		Compound	1	2	5	20	50	100	Avg	%RSD
43)	T	Methyl acetate	0.794	0.560	0.412	0.488	0.462	0.445	0.527	~~26.59~~ L0.9
44)	T	Cyclohexane	0.651	0.617	0.537	0.578	0.533	0.514	0.572	9.35
45)	TM	Bromodichloromethan	0.449	0.422	0.360	0.419	0.401	0.389	0.407	7.50
46)	TM	Dibromomethane	0.366	0.303	0.246	0.252	0.229	0.206	0.267	~~21.78~~ L0.9
47)	TM	1,4-Dioxane	0.005	0.005	0.004	0.004	0.004	0.004	0.004#	5.02
48)	T	Methylcyclohexane	0.587	0.535	0.471	0.517	0.489	0.496	0.516	8.01
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl	0.222	0.193	0.175	0.187	0.210	0.168	0.198	11.31
51)	TM	2-Hexanone	0.157	0.139	0.130	0.143	0.138	0.133	0.145	10.31
52)	TM	Methyl isobutyl ket	0.174	0.147	0.137	0.151	0.142	0.138	0.148	9.40
53)	TM	cis-1,3-Dichloropro	0.603	0.562	0.474	0.555	0.532	0.498	0.537	8.61
54)	S	d8-Toluene	1.092	1.104	1.098	1.111	1.101	1.087	1.103	0.96
55)	TMC	Toluene	0.887	0.822	0.684	0.778	0.737	0.727	0.773	9.48 ✓
56)	TM	trans-1,3-Dichlorop	0.568	0.510	0.440	0.517	0.498	0.499	0.505	8.12
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.269	0.261	0.221	0.261	0.247	0.242	0.250	7.00
59)	TM	1,3-Dichloropropane	0.662	0.563	0.457	0.529	0.497	0.492	0.544	13.18
[illegible])	TM	Tetrachloroethene	0.384	0.371	0.386	0.352	0.332	0.332	0.369	9.27
61)	TM	Dibromochloromethan	0.357	0.355	0.301	0.366	0.361	0.353	0.372	12.91
62)	TM	1,2-Dibromoethane	0.384	0.364	0.318	0.377	0.364	0.352	0.385	13.15
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	1.140	1.044	0.907	1.002	0.947	0.966	1.040 ✓	12.30
65)	TM	1,1,1,2-Tetrachloro	0.394	0.347	0.323	0.354	0.337	0.344	0.360	9.50
66)	TMC	Ethylbenzene	1.790	1.638	1.435	1.568	1.480	1.489	1.627	12.30 ✓
67)	TM	m,p-Xylene	0.730	0.662	0.577	0.641	0.602	0.602	0.664	13.48
68)	TM	o-Xylene	0.702	0.659	0.573	0.636	0.583	0.584	0.641	10.36
69)	TM	Styrene	1.202	1.082	0.999	1.096	1.042	1.039	1.121	11.98
70)	TMP	Bromoform	0.170	0.192	0.188	0.246	0.250	0.257	0.212 ✓	~~17.56~~ L1.00
71)	TM	Isopropylbenzene	1.764	1.726	1.487	1.630	1.528	1.521	1.669	11.39
72)	TMP	1,1,2,2-Tetrachloro	0.525	0.500	0.431	0.482	0.455	0.435	0.494 ✓	13.76
73)	S	Bromofluorobenzene	0.471	0.478	0.477	0.477	0.463	0.459	0.471	1.59
74)	TM	1,2,3-Trichloroprop	0.481	0.382	0.332	0.360	0.338	0.326	0.370	~~15.71~~ L0.9
75)	TM	trans-1,4-Dichloro-	0.140	0.133	0.109	0.134	0.126	0.124	0.128	8.43
76)	TM	n-Propylbenzene	2.153	2.020	1.731	1.905	1.782	1.750	1.963	12.59
77)	TM	Bromobenzene	0.416	0.364	0.342	0.371	0.351	0.348	0.375	9.76
78)	TM	1,3,5-Trimethylbenz	1.505	1.385	1.204	1.306	1.221	1.213	1.306	9.21
79)	TM	2-Chlorotoluene	1.336	1.229	1.111	1.210	1.146	1.127	1.193	7.04
80)	TM	4-Chlorotoluene	1.288	1.131	0.994	1.120	1.038	1.038	1.128	10.52
81)	TM	tert-butylbenzene	1.302	1.198	1.016	1.145	1.043	1.020	1.158	12.52
82)	TM	1,2,4-Trimethylbenz	1.604	1.417	1.252	1.375	1.265	1.250	1.399	11.63
83)	T	Diisobutylketone	1.098	1.027	0.883	0.962	0.908	0.863	0.990	12.24
[illegible])	TM	sec-butylbenzene	2.024	1.892	1.655	1.808	1.684	1.652	1.848	11.63
[illegible])	TM	p-isopropyltoluene	1.663	1.477	1.281	1.444	1.341	1.319	1.479	13.56

VMT 8/11/10

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

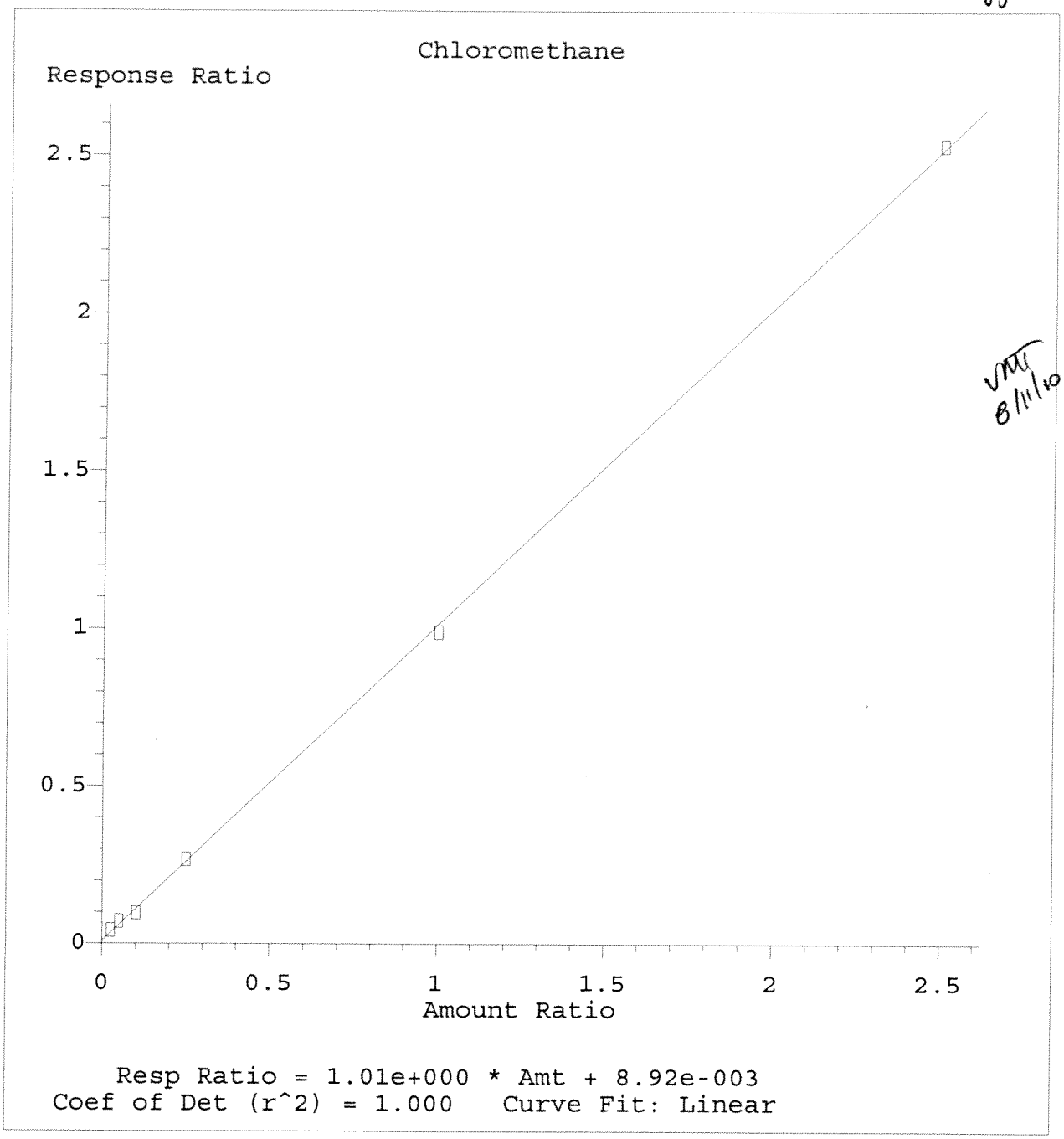
09/11/10

		Compound	1	2	5	20	50	100	Avg	%RSD
86)	TM	1,3-Dichlorobenzene	0.754	0.731	0.599	0.660	0.627	0.611	0.683	11.50
87)	I	1,4-Dichlorobenzene-d	----------	----------	----------	ISTD	----------	----------		
88)	TM	1,4-Dichlorobenzene	1.742	1.632	1.405	1.578	1.461	1.489	1.607	11.63
89)	TM	n-butylbenzene	3.415	3.118	2.755	3.100	2.864	2.925	3.130	10.95
90)	TM	1,2-Dichlorobenzene	1.596	1.500	1.275	1.447	1.331	1.334	1.444	9.44
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.305	0.237	0.198	0.186	0.182	0.177	0.214	~~22.99~~ L1
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	1.187	1.128	1.000	1.130	1.008	0.971	1.102	10.41
95)	TM	Hexachlorobutadiene	0.626	0.574	0.469	0.547	0.489	0.489	0.547	12.35
96)	TM	Naphthalene	2.965	2.783	2.498	2.806	2.606	2.388	2.674	8.04
97)	TM	1,2,3-Trichlorobenz	1.120	0.980	0.874	1.005	0.921	0.842	0.977	10.84
98)	TM	1,3,5-Trichlorobenz	1.182	1.259	1.035	1.183	1.053	1.055	1.168	11.65

VMT 8/11/10

(#) = Out of Range ### Number of calibration levels exceeded format ###

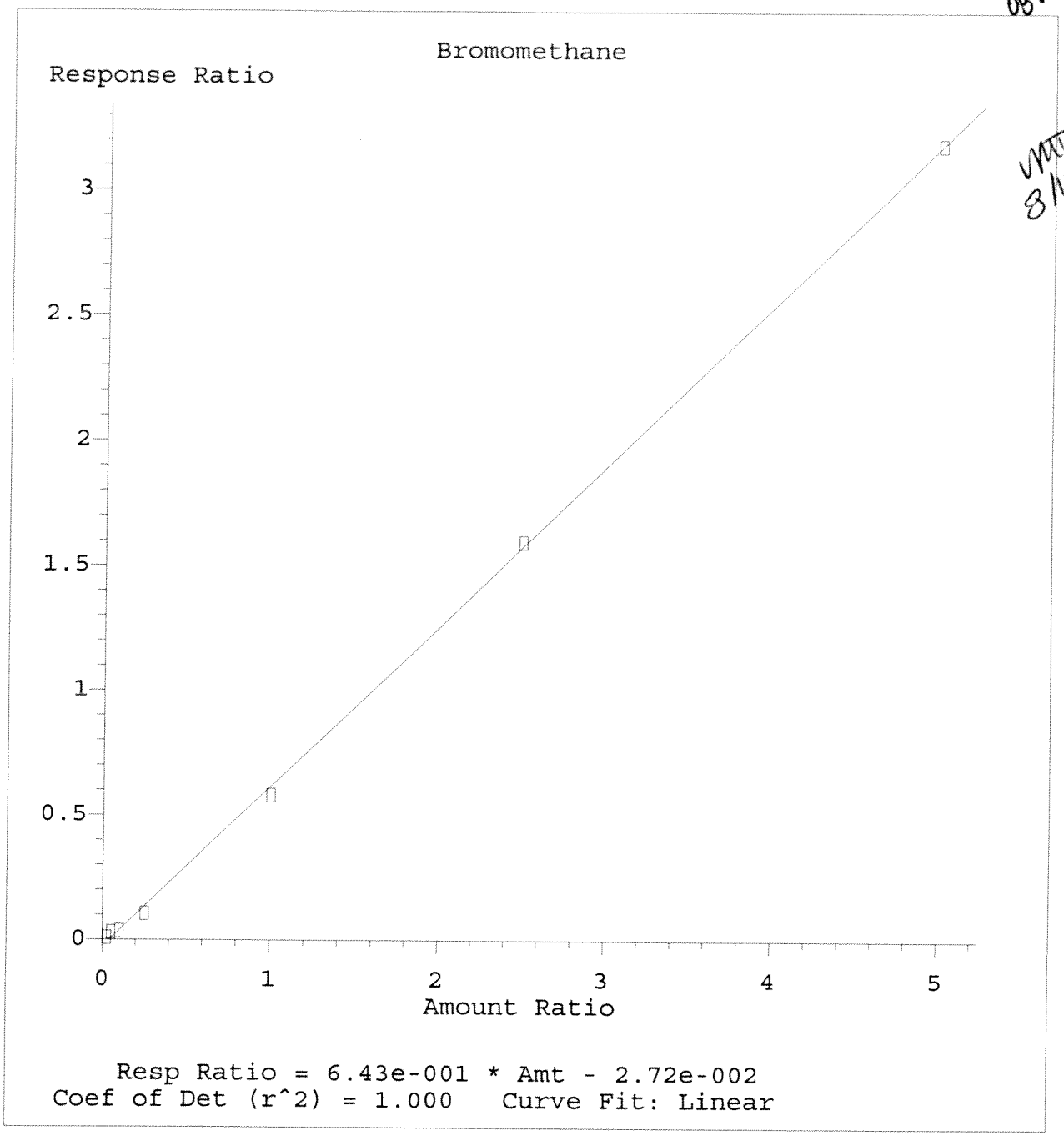
JL
08-11-10



VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:07 2010

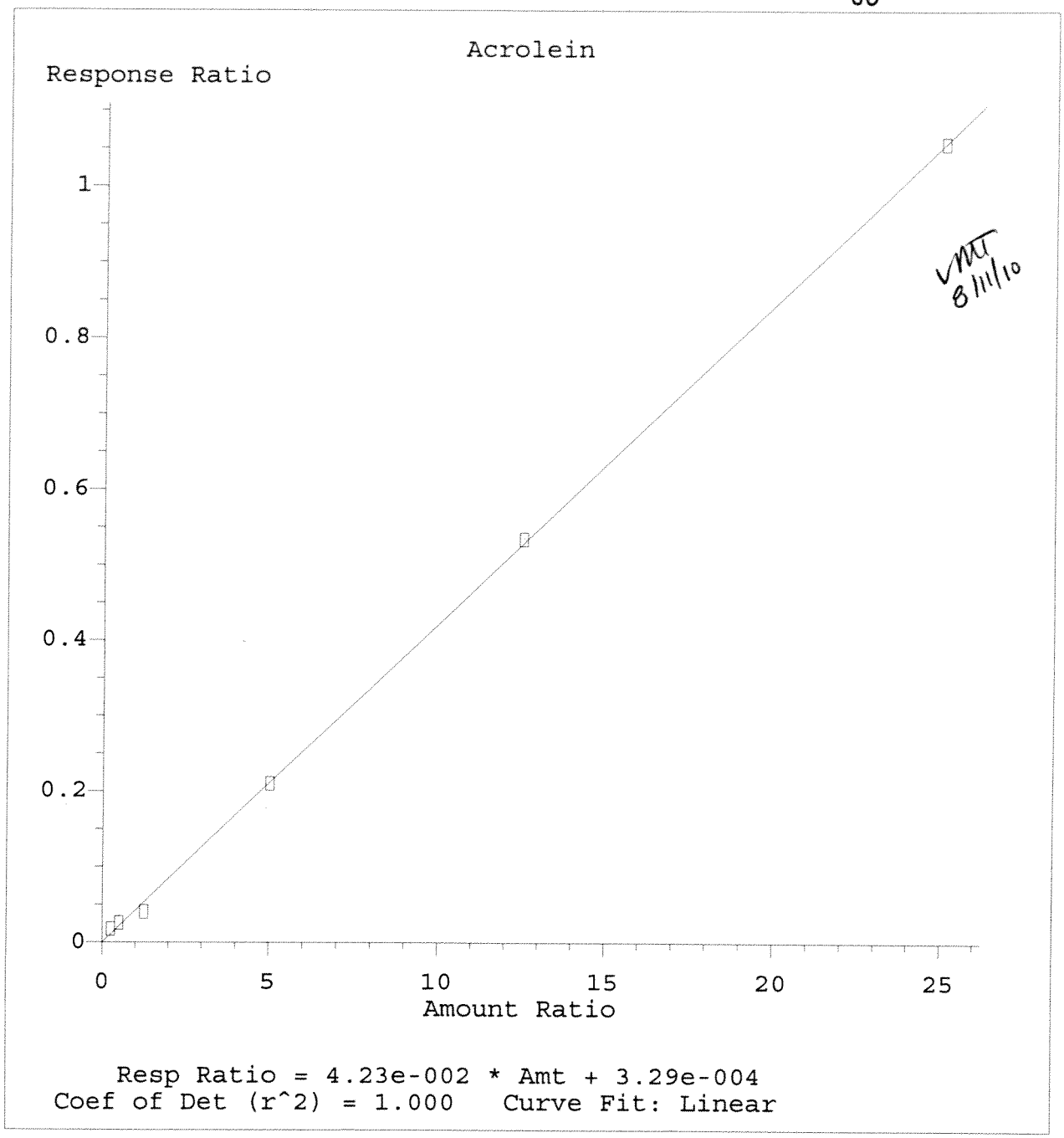
JL 08-11-10



VMT 8/11/10

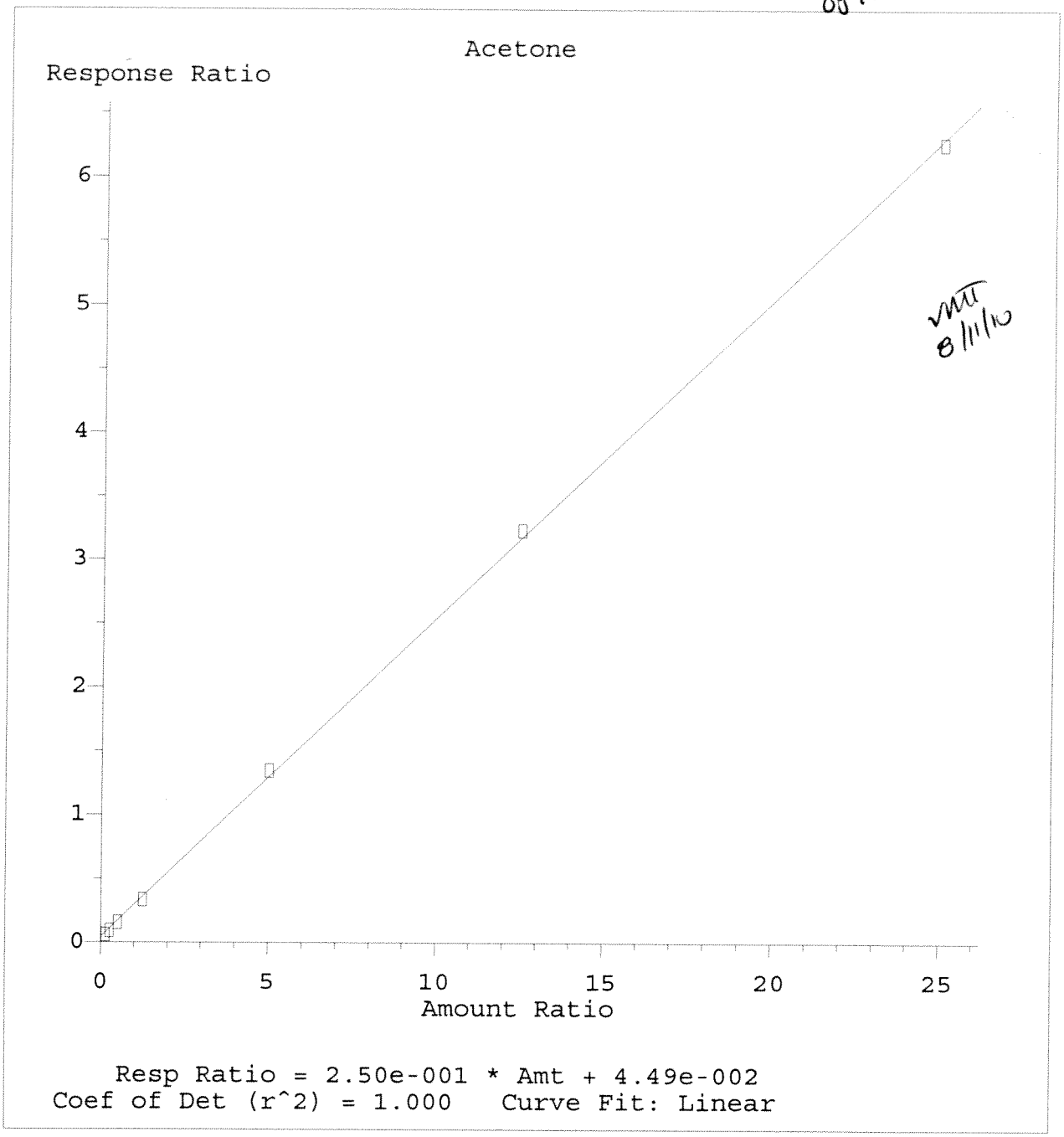
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:59 2010

JL 08/11/10



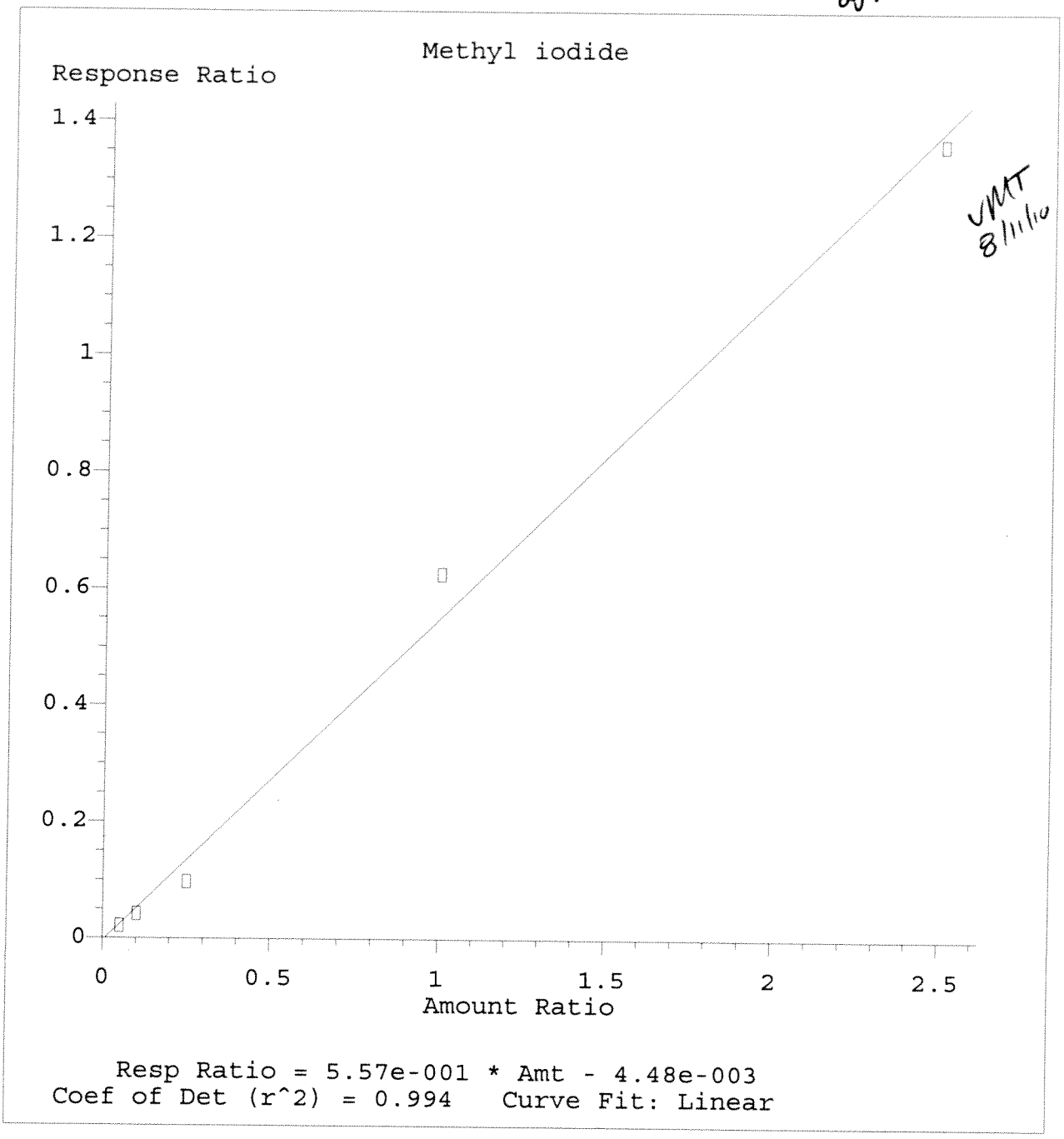
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:01 2010

JL 08.11.10



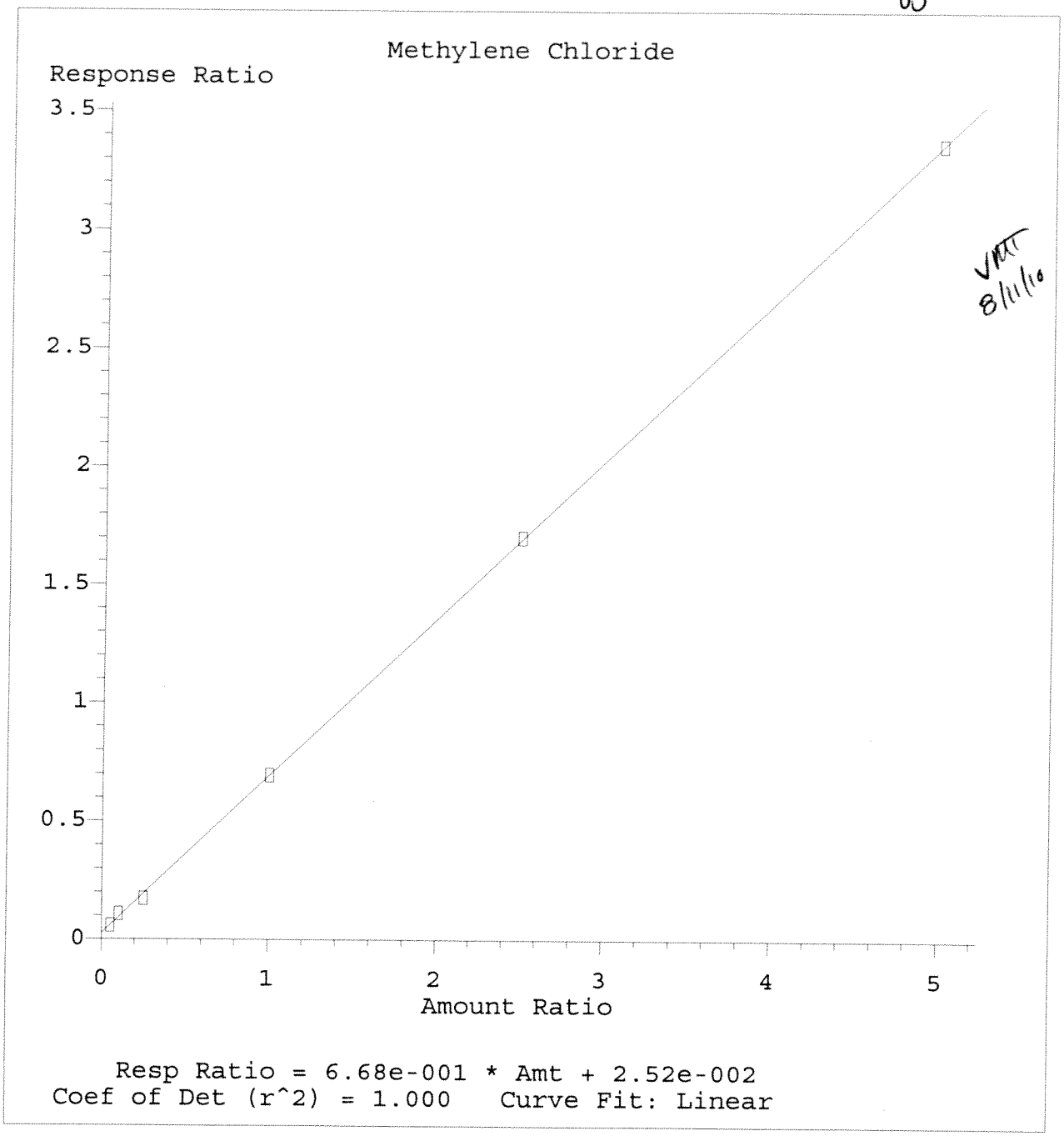
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:19 2010

JL 08/11/10



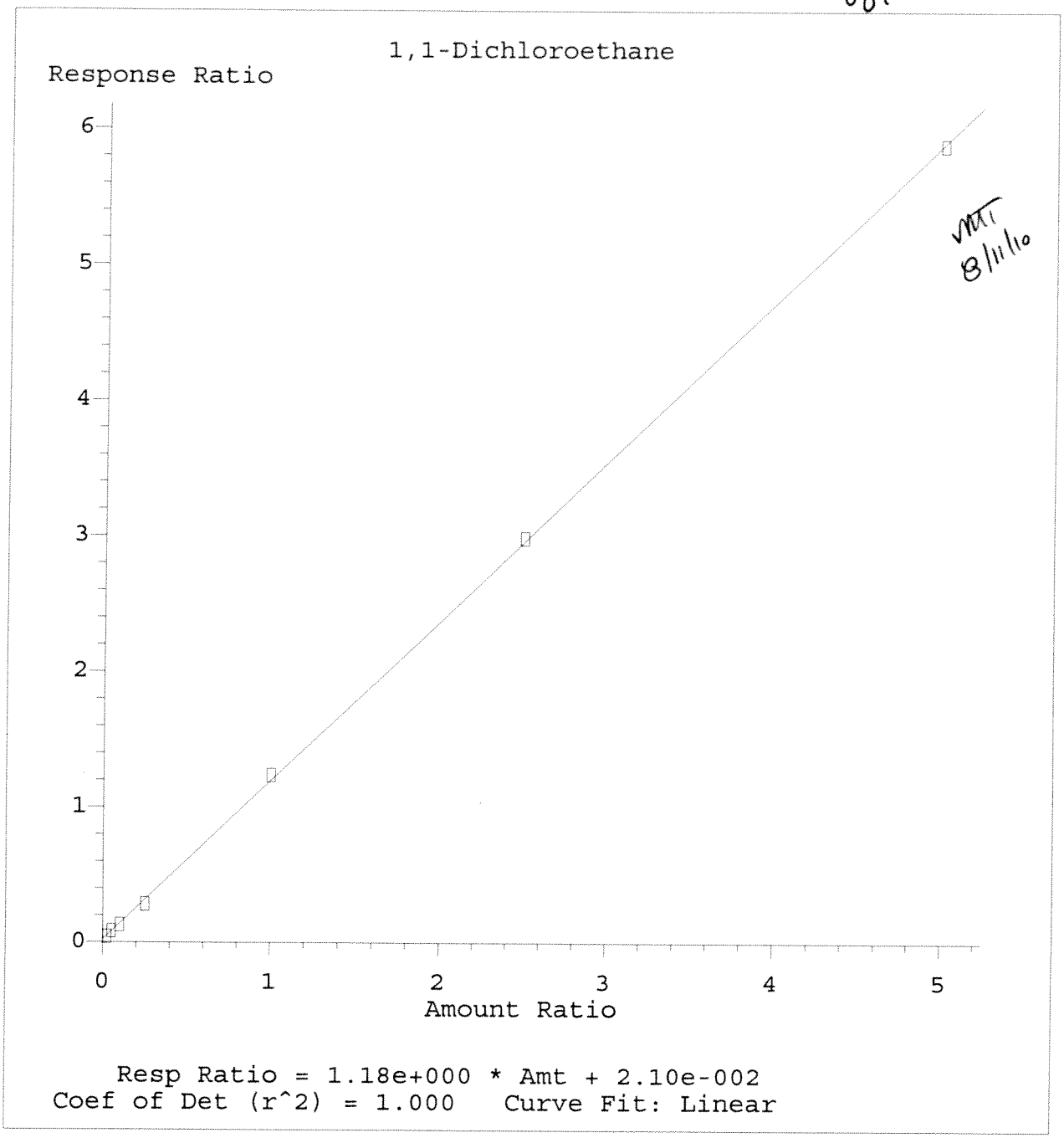
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:42:36 2010

JL
08-11-10



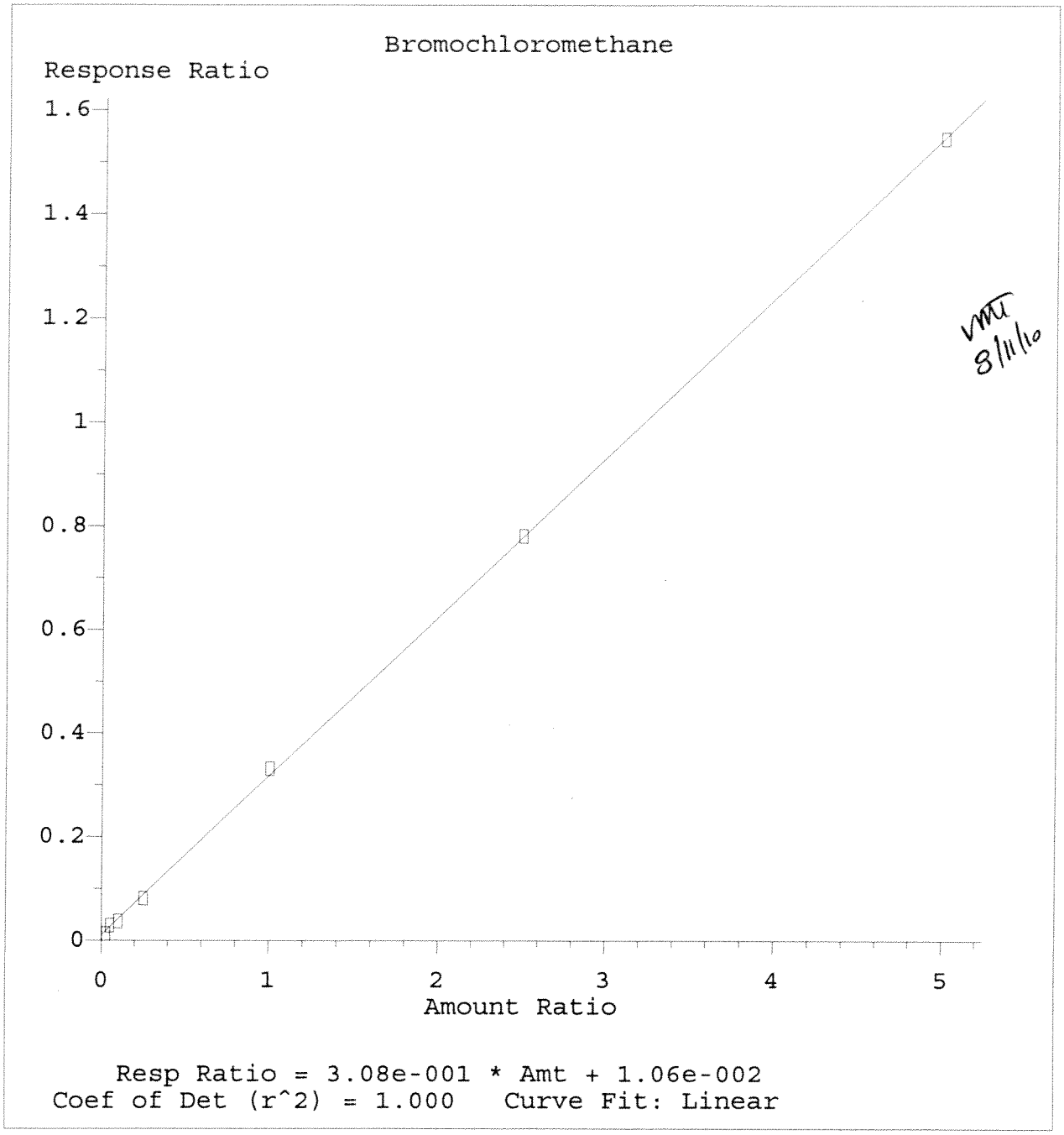
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:00:45 2010

JL 08/11/10



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:02:07 2010

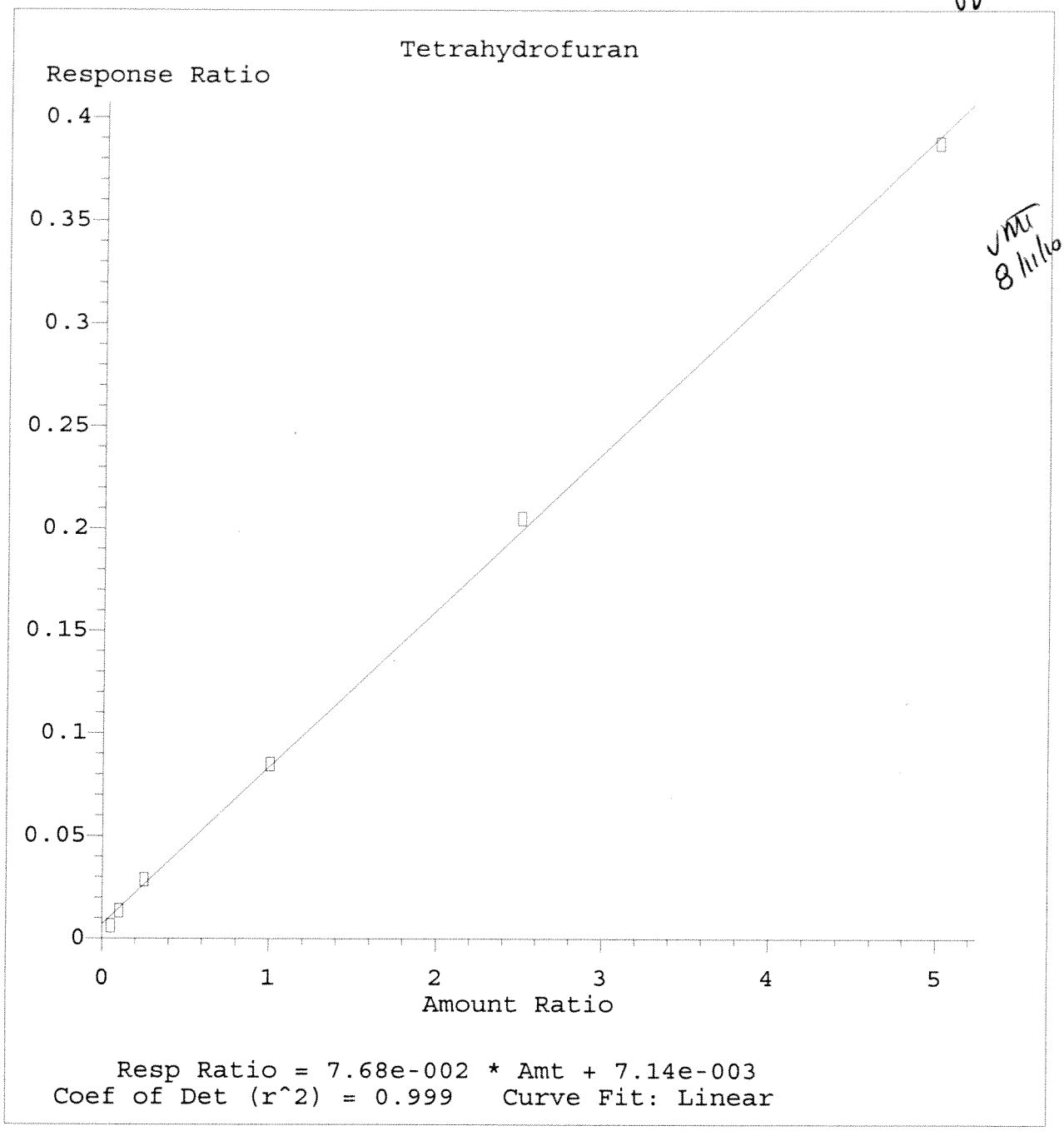
Ok
08.11.10



vmt
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:11:44 2010

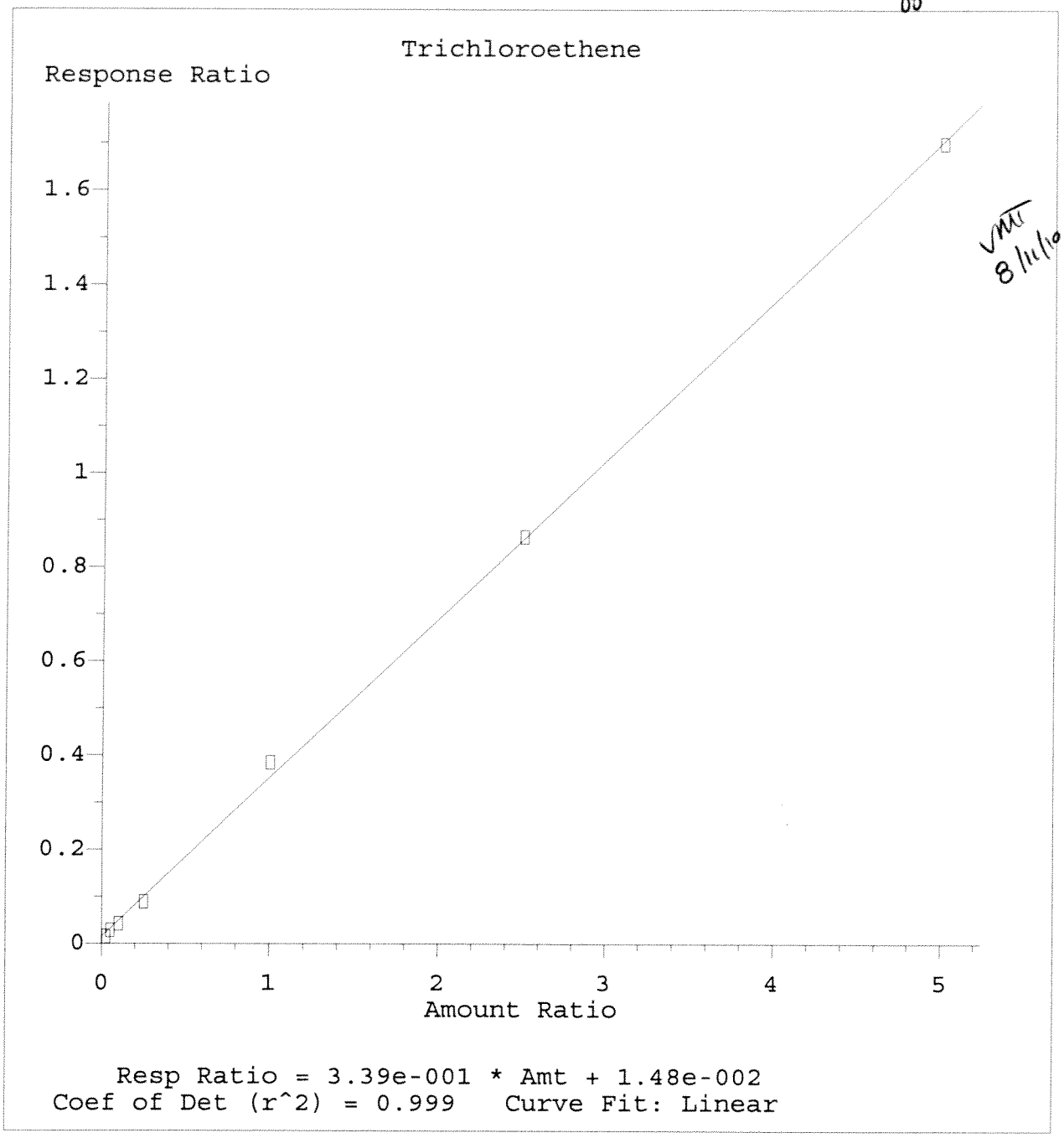
JL 08.11.10



VMT 8/11/10

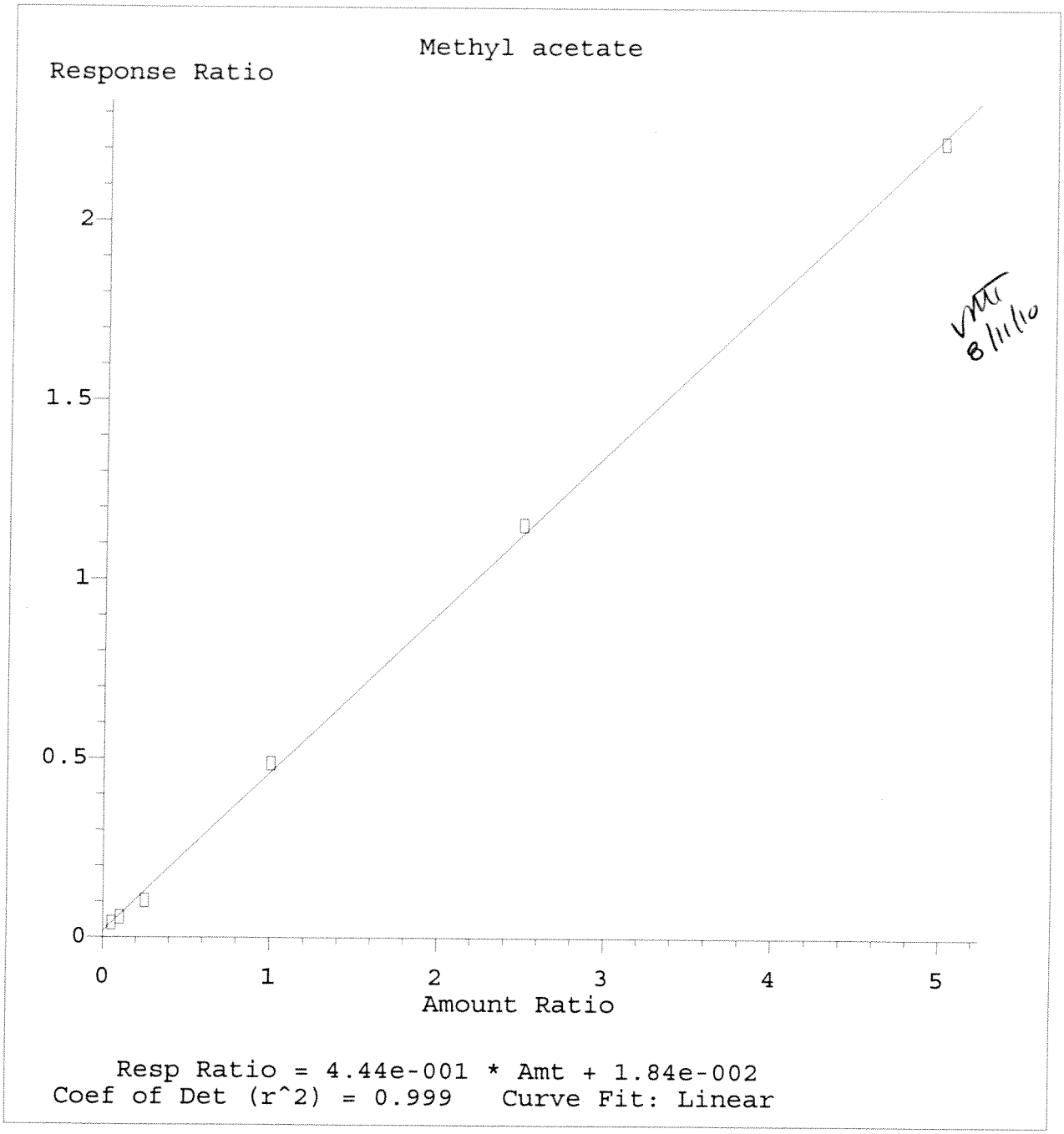
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:03:57 2010

JL
08·11·10

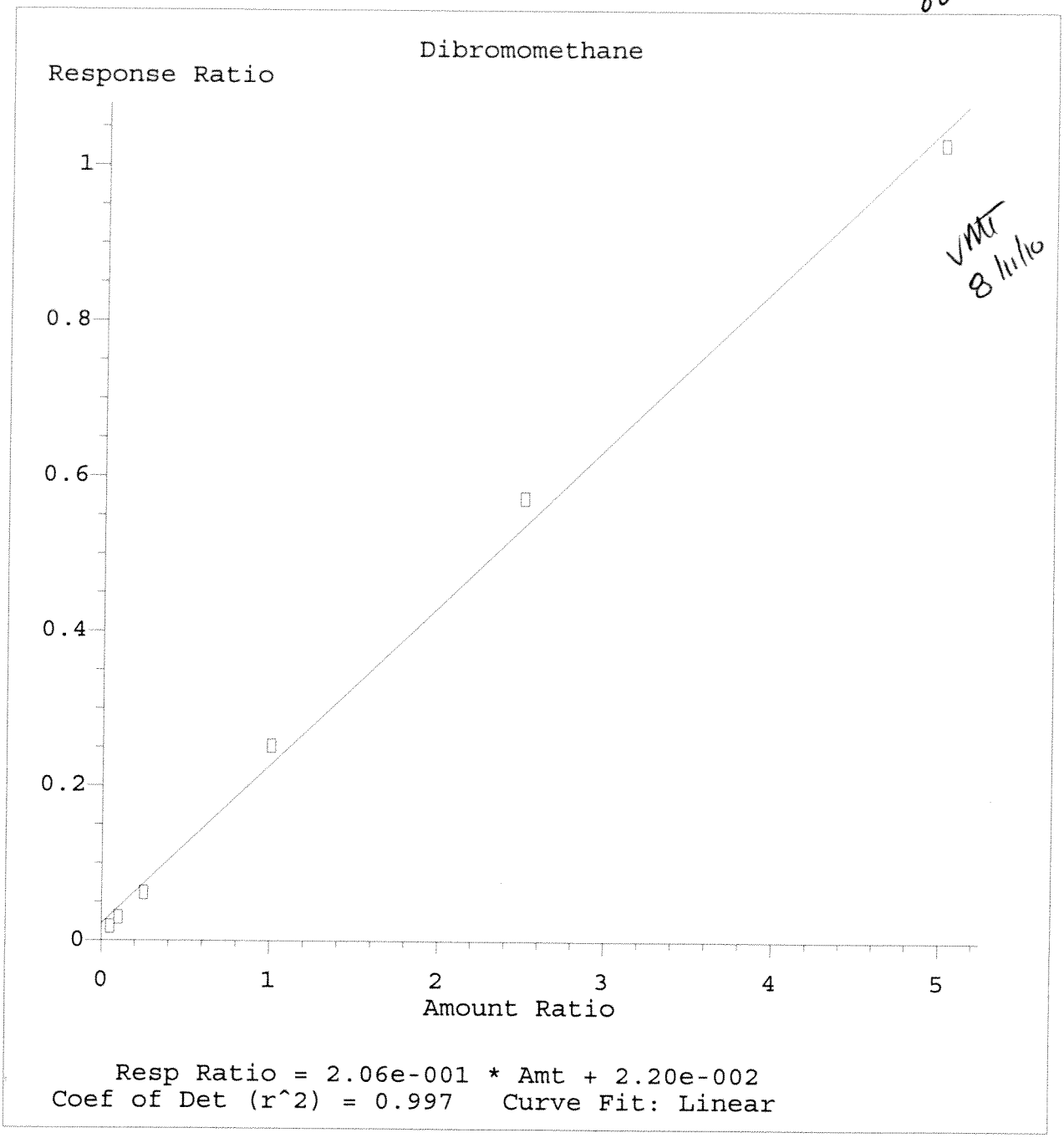


VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:02 2010

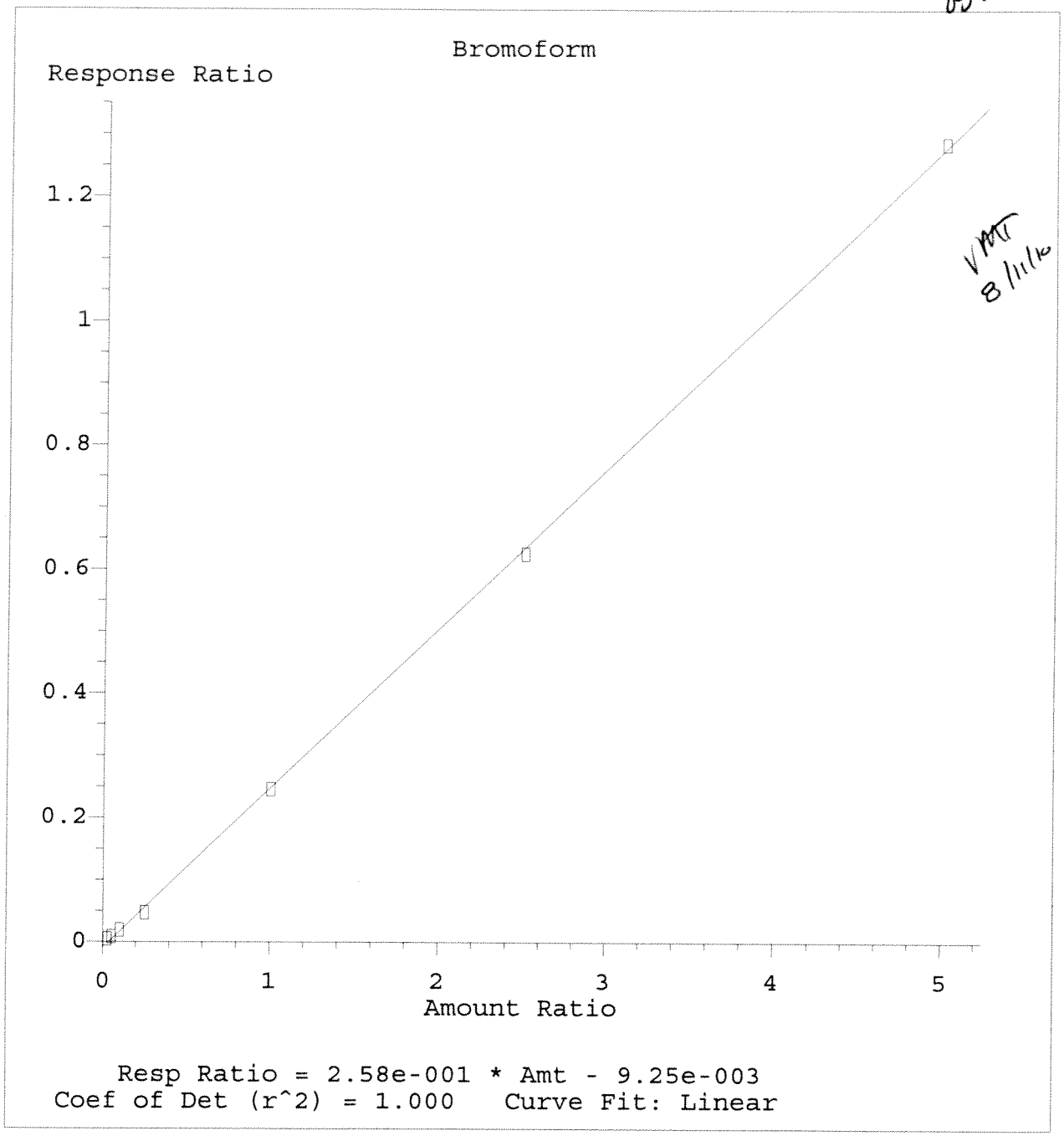


Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:39 2010



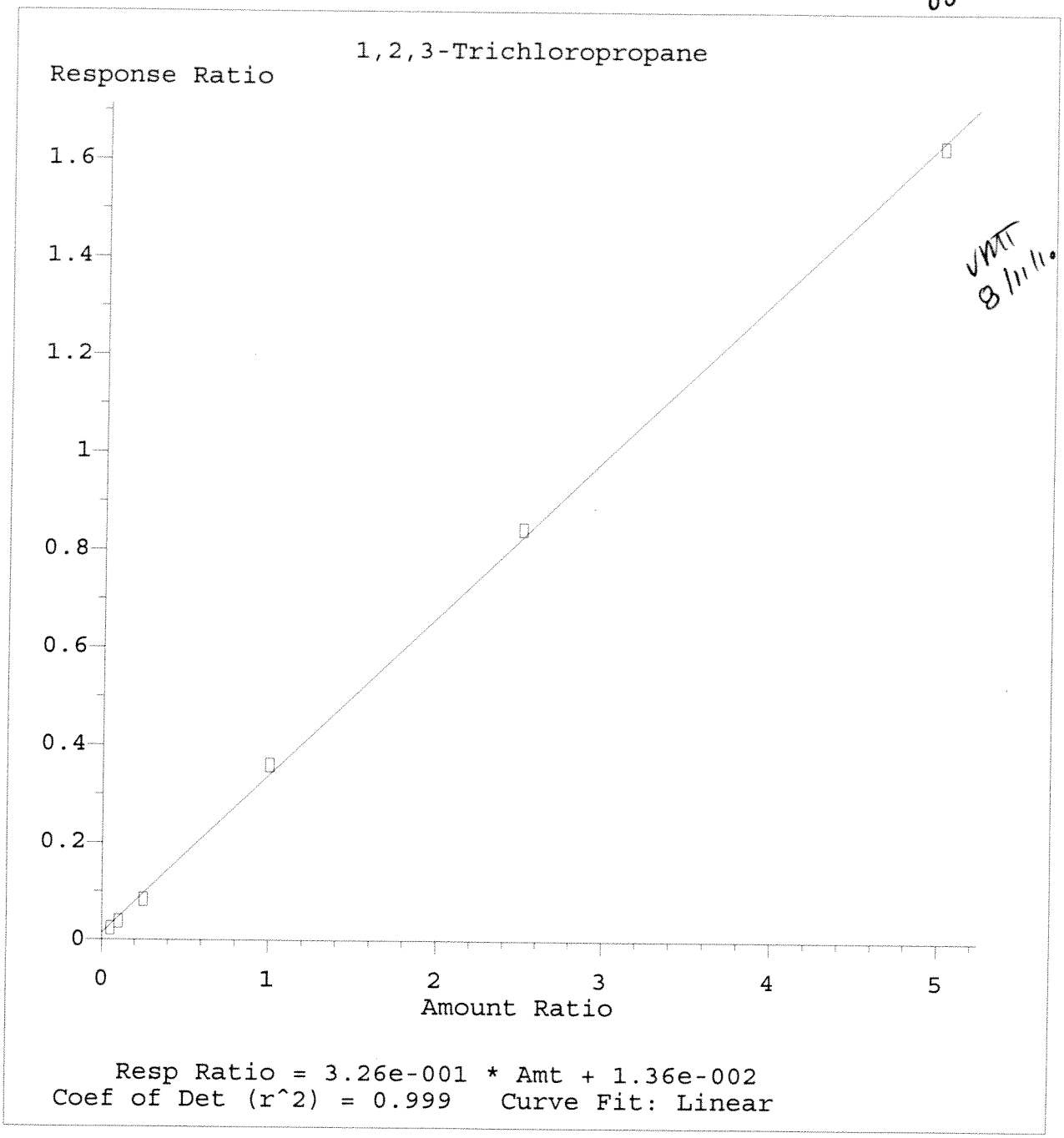
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:06:08 2010

JL 08/11/10



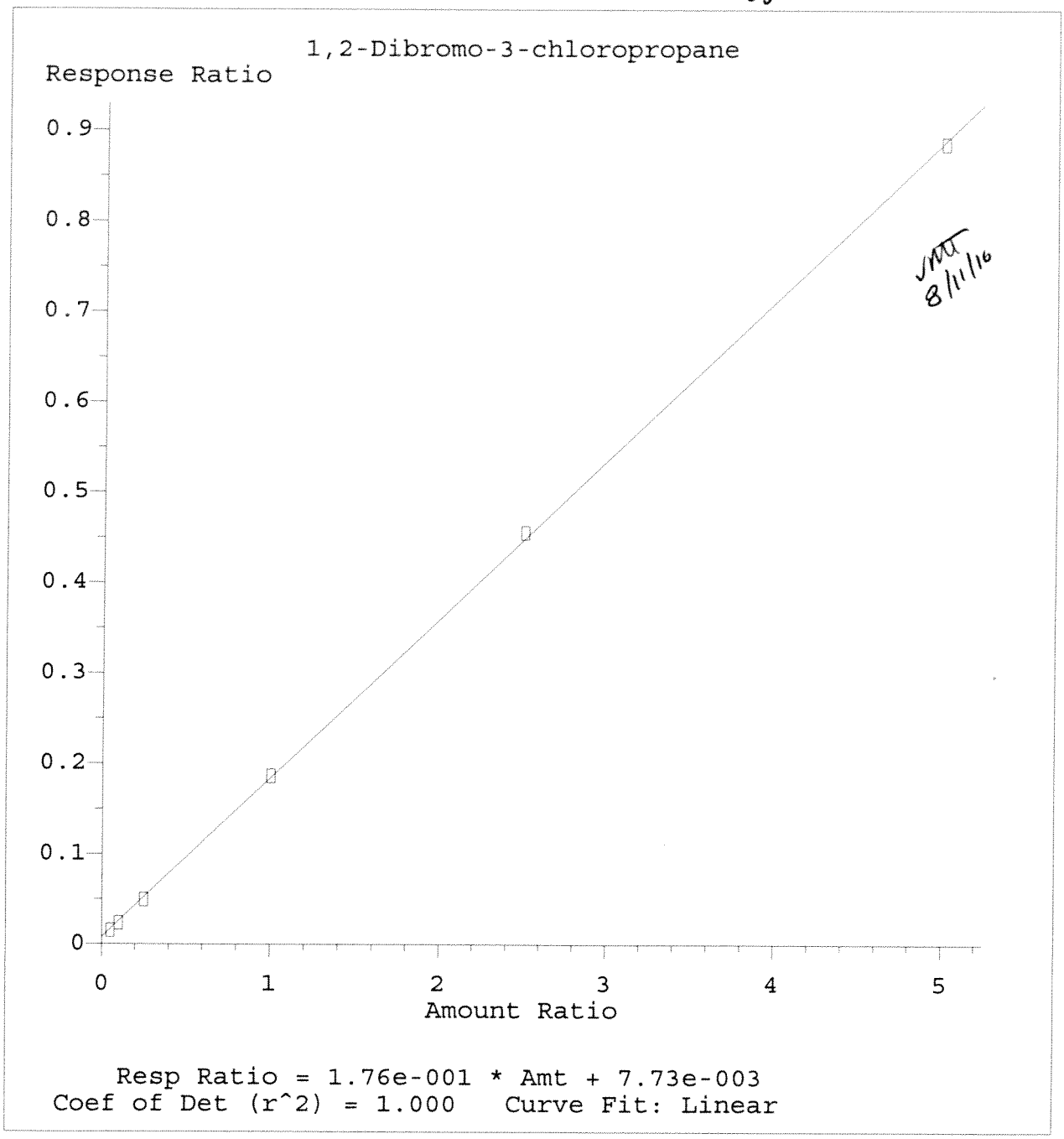
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:08:39 2010

JR 08.11.10



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:09:06 2010

CL 03.11.10



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:10:49 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08-11-10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	195858	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	379188	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.11	117	335209	20.00 ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	150145	20.00 ug/L	0.00

System Monitoring Compounds

28) DB Holder #28	7.98	65	148991	21.05 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.25%		
36) d4-1,2-Dichloroethane	7.98	65	148991	21.04 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 105.20%		
54) d8-Toluene	10.85	98	420277	17.83 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 89.15%		
73) Bromofluorobenzene	14.99	95	159630	16.02 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.10%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.68	85	3445	Below Cal	99
3) Chloromethane	1.98	50	4811	0.48 ug/L	79
4) Vinyl Chloride	2.02	62	4323	0.66 ug/L	99
5) Bromomethane	2.51	94	1833	0.30 ug/L #	51
6) Chloroethane	2.59	64	3002	0.04 ug/L #	64
7) t-Butyl alcohol (TBA)	3.94	59	1288m	2.55 ug/L	
8) Trichlorofluoromethane	2.91	101	4617m	0.37 ug/L	
9) Diethyl ether	3.35	74	3305m	0.93 ug/L	
10) 1,1,2-Trichlorotrifluoroet	3.56	101	624	0.09 ug/L #	57
11) Acrolein	3.46	56	900	Below Cal #	1
12) Acetone	3.59	43	6777	Below Cal #	62
13) 1,1-Dichloroethene	3.75	96	2185	0.34 ug/L #	14
14) Methyl iodide	4.19	142	547	0.08 ug/L #	43
15) Di-isopropyl ether (DIPE)	5.60	45	8346	0.36 ug/L #	86
16) Methylene Chloride	4.50	84	13953	0.93 ug/L #	83
17) Carbon Disulfide	4.48	76	5851	0.25 ug/L	99
18) Acrylonitrile	4.73	53	1321	0.49 ug/L #	51
19) Methyl-tert-butyl ether (M	4.84	73	5719	0.34 ug/L #	74
20) trans-1,2-Dichloroethene	4.99	61	3501m	0.37 ug/L	
21) 1,1-Dichloroethane	5.72	63	4930m	0.42 ug/L	
22) Vinyl acetate	5.74	43	2894	0.25 ug/L #	74
23) Methyl ethyl ketone	6.42	72	995	Below Cal #	69
24) Ethyl t-butyl ether (ETBE)	6.25	59	6119	0.30 ug/L #	88
25) 2,2-Dichloropropane	6.65	77	523	0.06 ug/L	84
26) cis-1,2-Dichloroethene	6.63	96	2545	0.33 ug/L #	79
27) t-Amyl methyl ether (TAME)	7.98	73	6437	0.34 ug/L #	71

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

J 08/11/10 VMT 8/11/10

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) Chloroform	6.90	83	4401	0.31 ug/L	82
30) Bromochloromethane	7.13	128	1064	Below Cal #	12
31) Tetrahydrofuran	7.26	71	320	Below Cal #	53
32) 1,1,1-Trichloroethane	7.52	97	2812	0.24 ug/L	84
33) Ethanol	2.70	45	2321	Below Cal #	18
34) 1,1-Dichloropropene	7.74	75	3536	0.35 ug/L	83
35) Carbon Tetrachloride	7.89	119	1023m	0.16 ug/L	
37) 1,2-Dichloroethane	8.11	62	4642	0.50 ug/L	76
38) Benzene	8.12	78	7723	0.30 ug/L	99
40) Trichloroethene	9.07	95	2380	0.24 ug/L #	60
41) 1,2-Dichloropropane	9.32	63	2676	0.36 ug/L	81
42) Methylmethacrylate	9.46	69	2123	0.39 ug/L #	69
43) Methyl acetate	4.31	43	640	0.07 ug/L #	12
44) Cyclohexane	7.53	56	1678	0.15 ug/L	96
45) Bromodichloromethane	9.66	83	2764	0.24 ug/L	94
46) Dibromomethane	9.74	93	2213	0.34 ug/L	91
47) 1,4-Dioxane	9.74	88	431	Below Cal #	1
48) Methylcyclohexane	9.15	83	3457	0.25 ug/L	89
50) 2-Chloroethylvinyl ether	10.17	63	742	0.18 ug/L #	66
51) 2-Hexanone	11.56	58	3816	1.36 ug/L	76
52) Methyl isobutyl ketone	10.23	58	4189	1.41 ug/L #	79
53) cis-1,3-Dichloropropene	10.50	75	3397	0.26 ug/L	86
55) Toluene	10.96	92	5093	0.26 ug/L #	73
56) trans-1,3-Dichloropropene	11.26	75	3206	0.25 ug/L	79
58) 1,1,2-Trichloroethane	11.48	83	1596	0.25 ug/L #	86
59) 1,3-Dichloropropane	11.86	76	2910	0.23 ug/L	94
60) Tetrachloroethene	11.94	166	1900	0.24 ug/L #	68
61) Dibromochloromethane	12.25	129	1740	0.18 ug/L	97
62) 1,2-Dibromoethane	12.53	107	1788	0.22 ug/L #	74
64) Chlorobenzene	13.17	112	5158	0.29 ug/L #	80
65) 1,1,1,2-Tetrachloroethane	13.25	131	2308	0.29 ug/L	83
66) Ethylbenzene	13.27	91	8132	0.22 ug/L	81
67) m,p-Xylene	13.40	106	6230	0.54 ug/L #	54
68) o-Xylene	14.06	106	3144	0.28 ug/L #	73
69) Styrene	14.12	104	5359	0.27 ug/L	77
70) Bromoform	14.60	173	738	0.15 ug/L	98
71) Isopropylbenzene	14.61	105	8203	0.27 ug/L	90
72) 1,1,2,2-Tetrachloroethane	14.88	83	2955	0.28 ug/L #	89
75) trans-1,4-Dichloro-2-buten	15.22	89	641	0.21 ug/L #	1
76) n-Propylbenzene	15.24	91	9352	0.21 ug/L	100
77) Bromobenzene	15.27	156	1859	0.24 ug/L #	58

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 09.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78)	1,3,5-Trimethylbenzene	15.50	105	7027	0.28 ug/L	95
79)	2-Chlorotoluene	15.50	91	6727	0.24 ug/L	56
80)	4-Chlorotoluene	15.57	91	6217	0.23 ug/L	89
81)	tert-butylbenzene	16.03	119	5965	0.27 ug/L #	60
82)	1,2,4-Trimethylbenzene	16.10	105	7932	0.30 ug/L	94
83)	Diisobutylketone	15.19	57	24454	1.42 ug/L #	80
84)	sec-butylbenzene	16.38	105	9916	0.30 ug/L	85
85)	p-isopropyltoluene	16.59	119	7142	0.25 ug/L	92
86)	1,3-Dichlorobenzene	16.71	146	3452	0.24 ug/L #	87
88)	1,4-Dichlorobenzene	16.88	146	3518	0.27 ug/L #	72
89)	n-butylbenzene	17.24	91	7720	0.29 ug/L	83
90)	1,2-Dichlorobenzene	17.45	146	2900	0.25 ug/L #	84
92)	1,2-Dibromo-3-chloropropan	18.69	75	776	Below Cal #	25
94)	1,2,4-Trichlorobenzene	20.10	180	2291	0.27 ug/L	97
95)	Hexachlorobutadiene	20.34	225	1076	0.18 ug/L	79
96)	Naphthalene	20.50	128	6488	0.30 ug/L	87
97)	1,2,3-Trichlorobenzene	20.91	180	2141	0.29 ug/L	92
98)	1,3,5-Trichlorobenzene	19.10	180	2409	0.28 ug/L	82

(#) = qualifier out of range (m) = manual integration

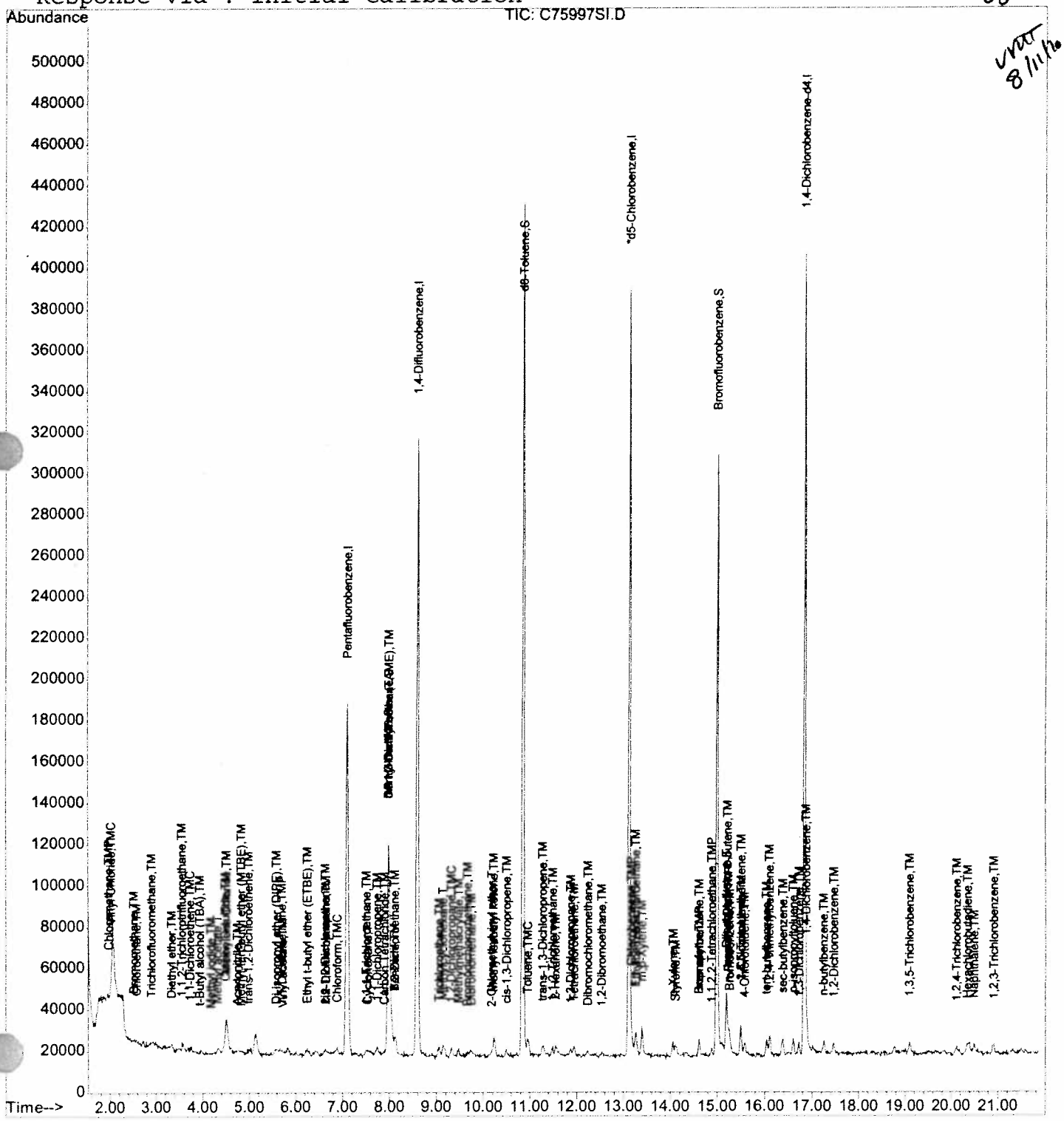
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JL 08-11-10

VMT 8/11/10



Quantitation Report (Qedit)

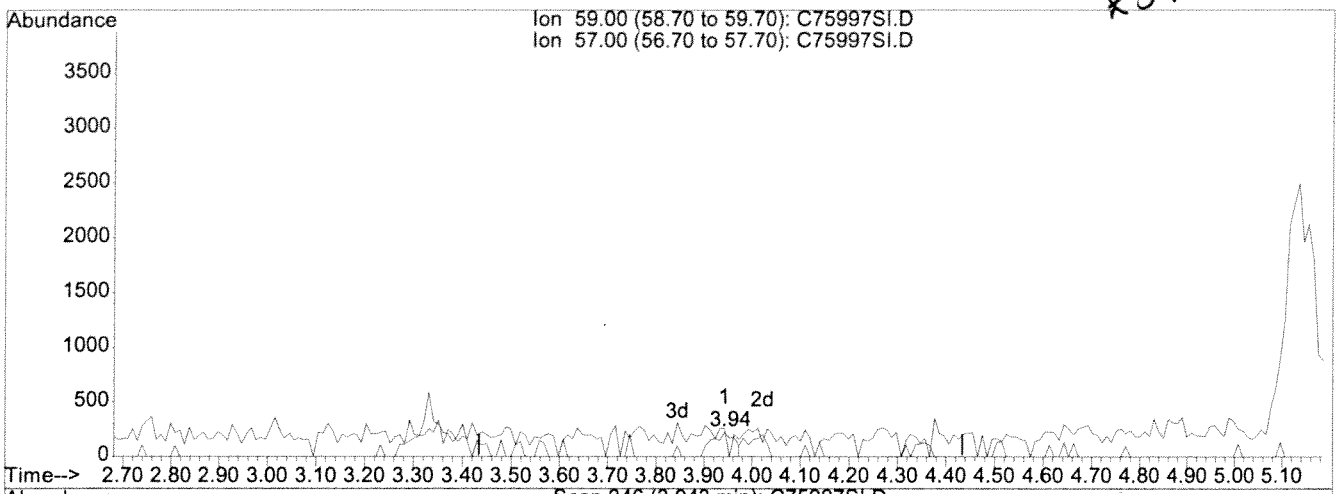
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 12:56 2010 Quant Results File: temp.res

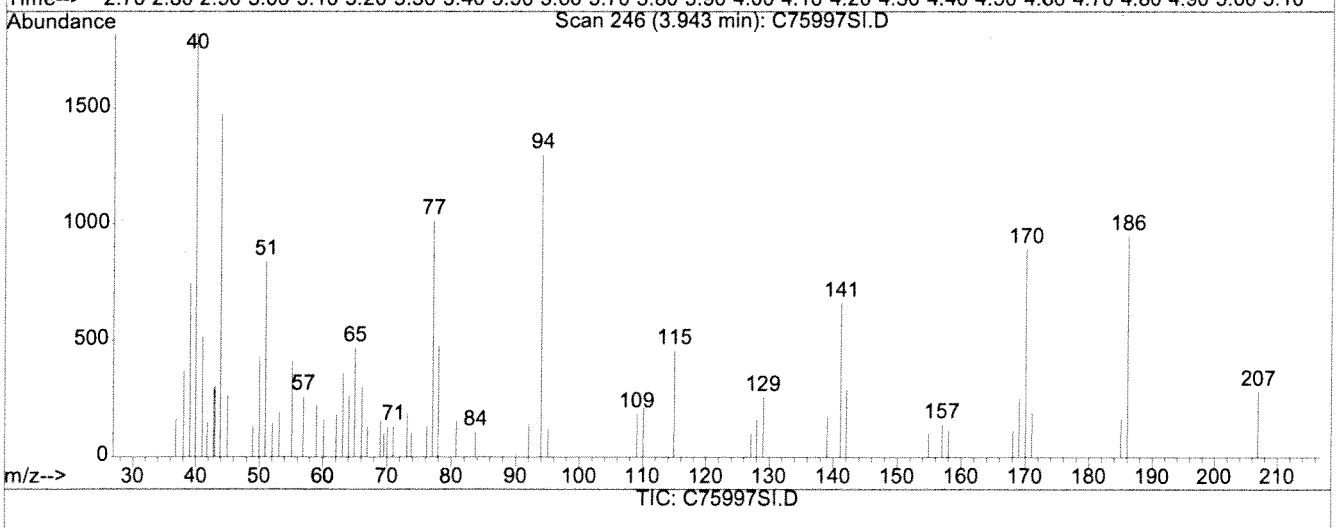
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

Uh 08.11.10 *SP

* Point Not used in the Curve

VMT 8/11/10





(7) t-Butyl alcohol (TBA) (TM)

3.94min 1.46ug/L

response 740

Ion	Exp%	Act%
59.00	100	100
57.00	8.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:00:56 2010

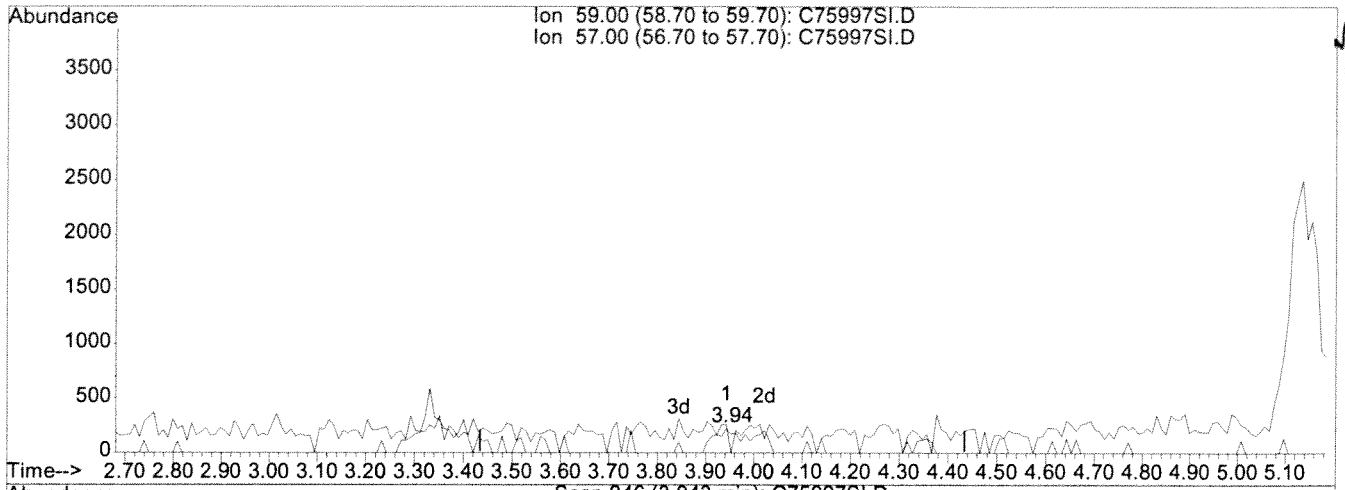
Quantitation Report (Qedit)

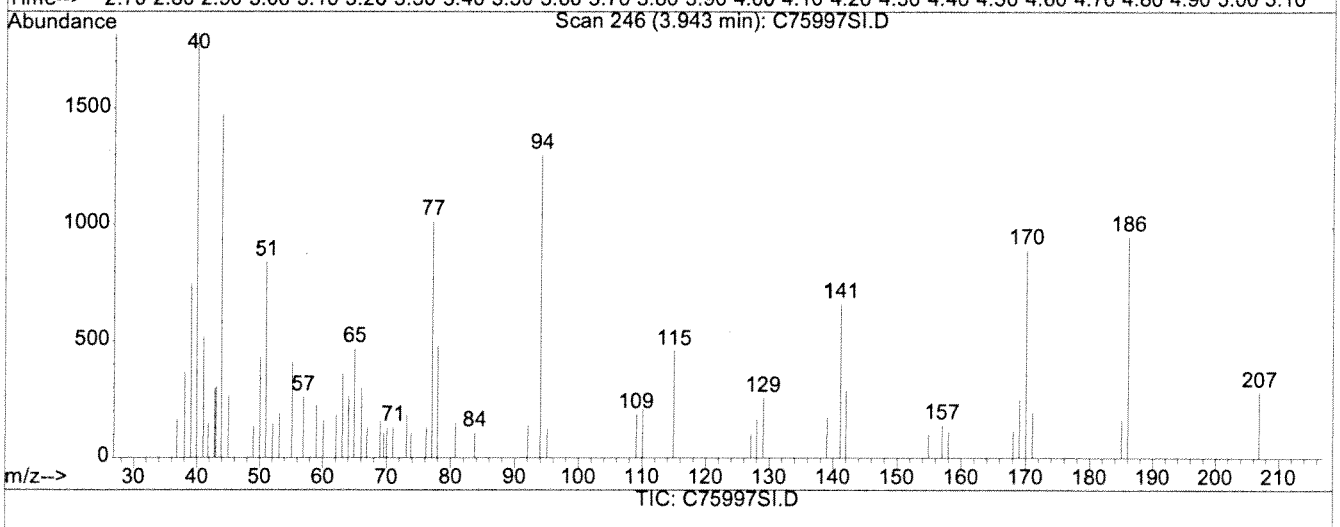
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10

MT 8/11/10





(7) t-Butyl alcohol (TBA) (TM)

3.94min 2.55ug/L m

response 1288

Ion	Exp%	Act%
59.00	100	100
57.00	8.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:01:08 2010

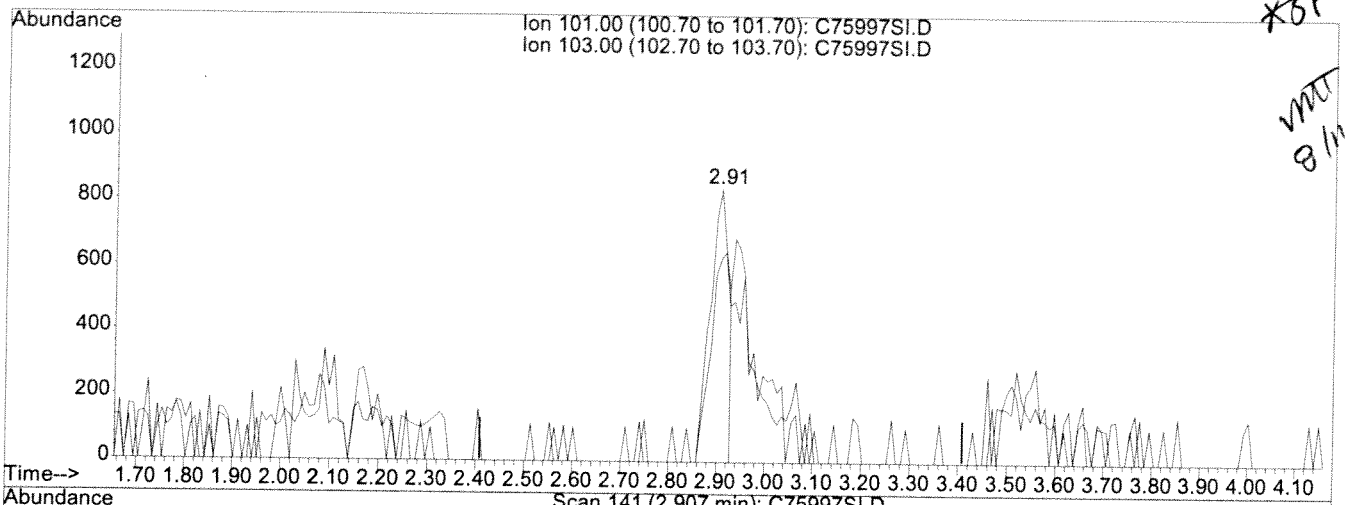
Quantitation Report (Qedit)

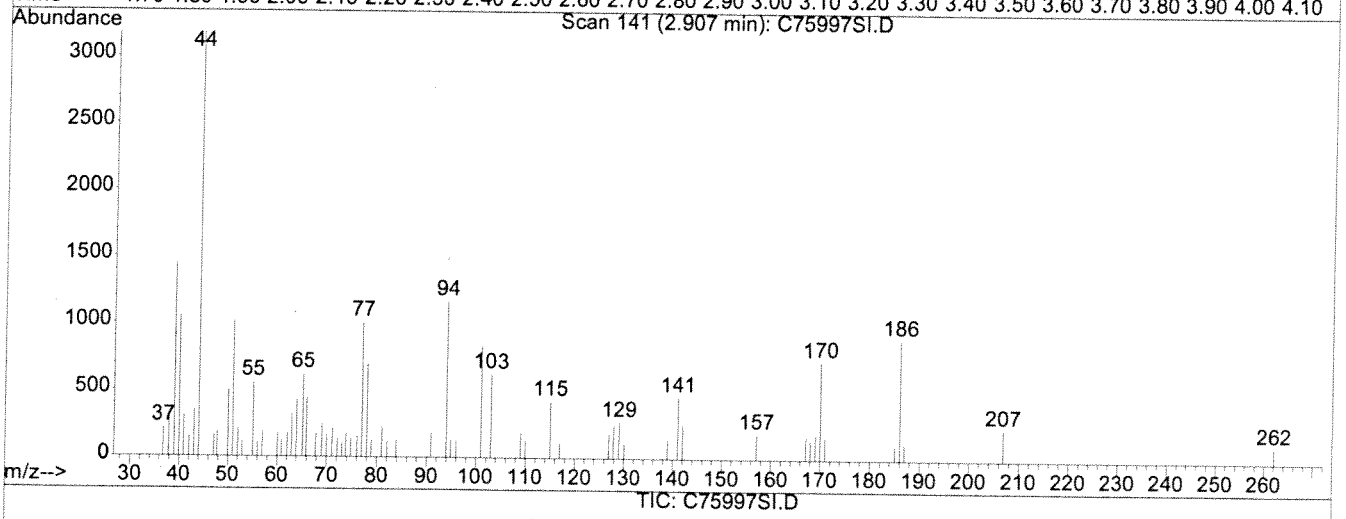
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10 KSP

MTT 8/11/10





(8) Trichlorofluoromethane (TM)

2.91min 0.18ug/L

response 2288

Ion	Exp%	Act%
101.00	100	100
103.00	65.60	74.46
0.00	0.00	0.00
0.00	0.00	0.00

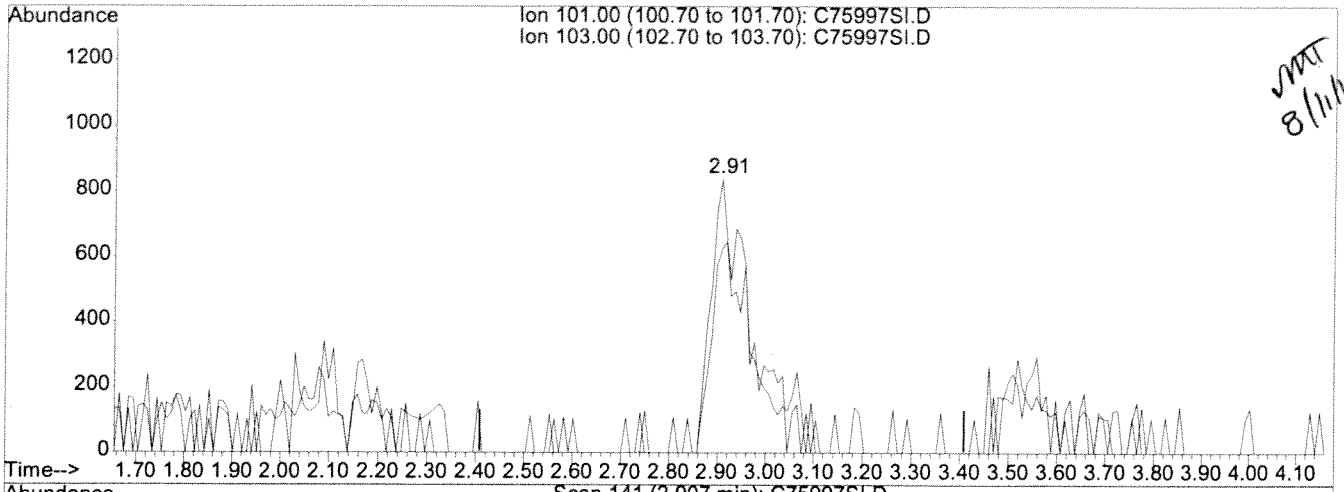
C75997SI.D V808100C.M Tue Aug 10 13:01:12 2010

Quantitation Report (Qedit)

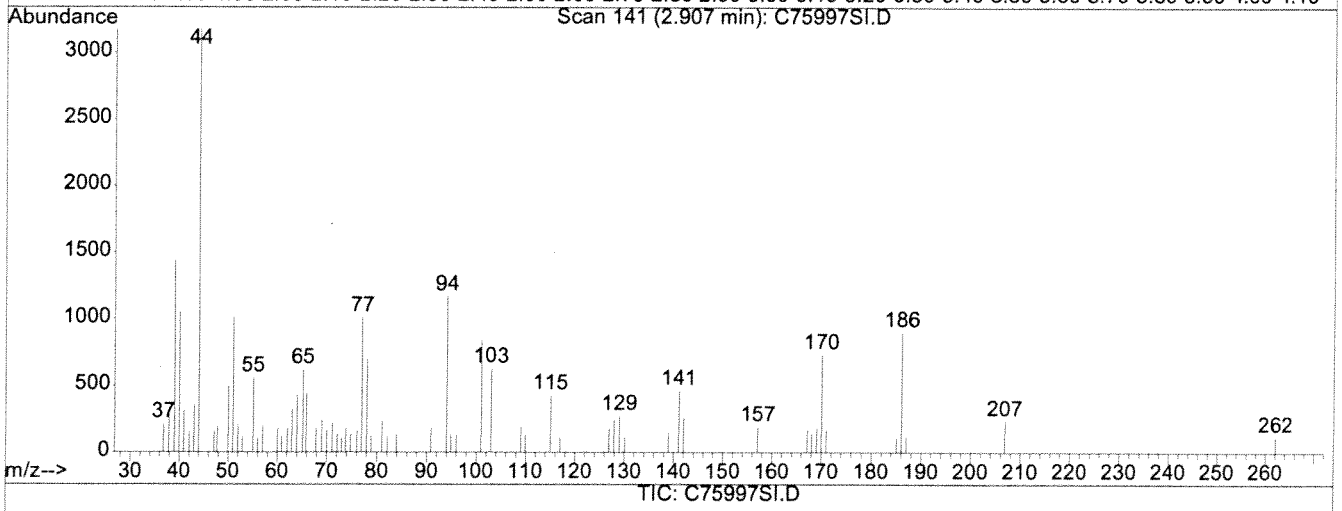
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 08-11-10



MT 8/11/10



(8) Trichlorofluoromethane (TM)

2.91min 0.37ug/L m

response 4617

Ion	Exp%	Act%
101.00	100	100
103.00	65.60	74.46
0.00	0.00	0.00
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:01:17 2010

Quantitation Report (Qedit)

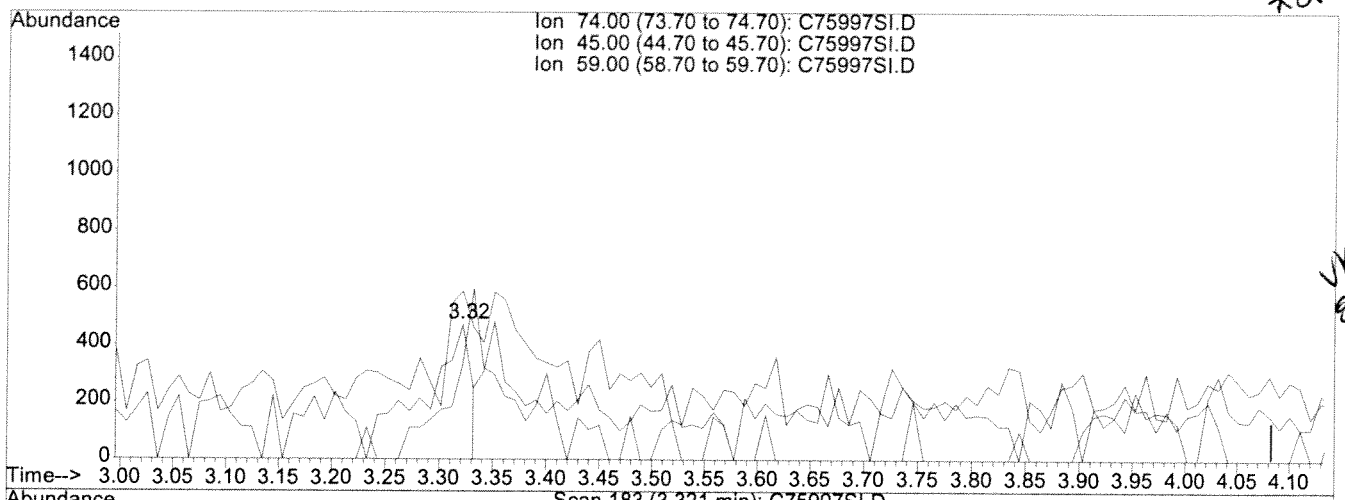
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

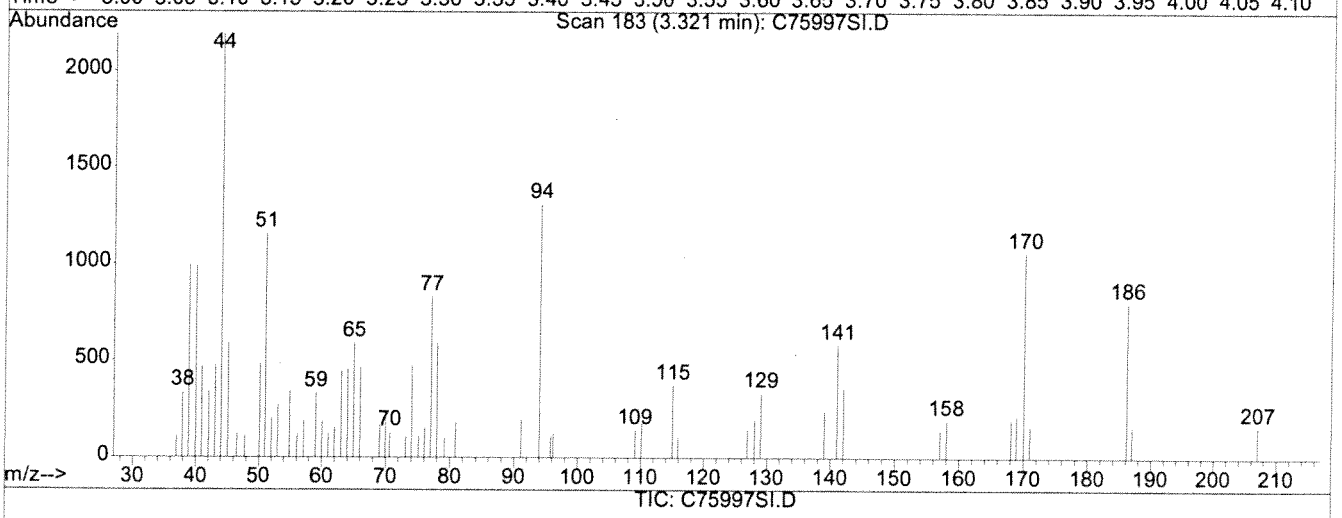
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 09/11/10 *SP

*Poin' Not used in th (avv

VMT 8/11/10





(9) Diethyl ether (TM)

3.32min 0.41ug/L

response 1456

Ion	Exp%	Act%
74.00	100	100
45.00	148.10	51.44#
59.00	162.00	114.56#
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:01:20 2010

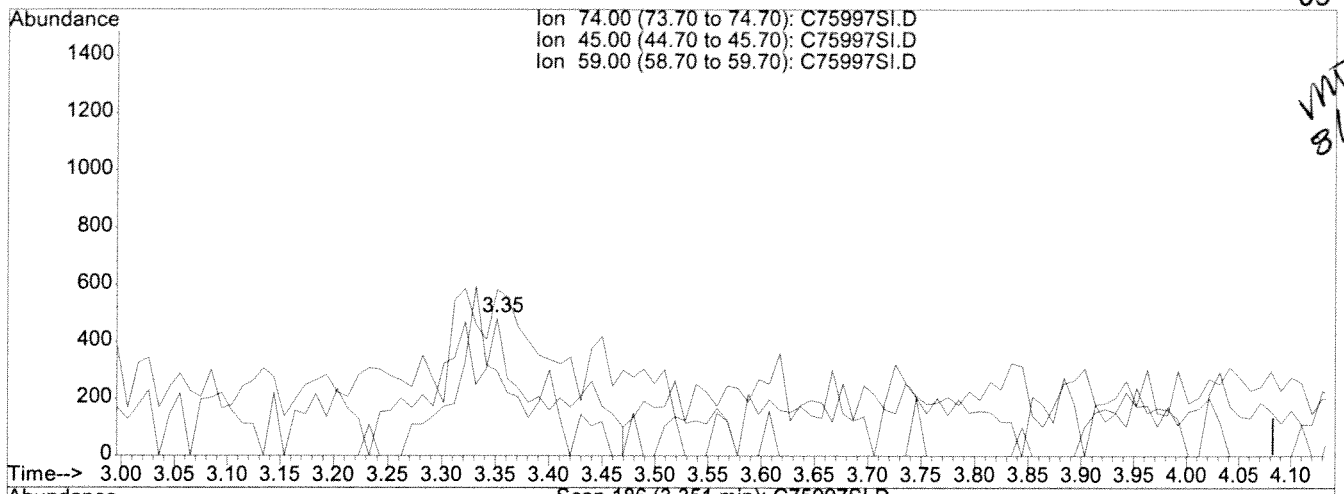
Quantitation Report (Qedit)

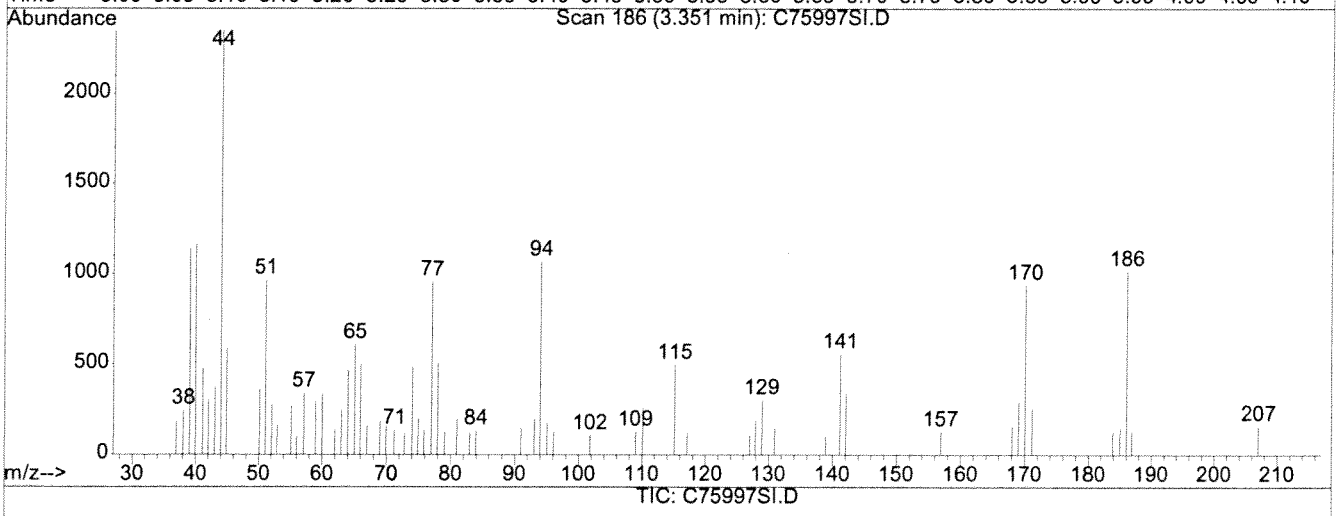
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10

VMT 8/11/10





(9) Diethyl ether (TM)

3.35min 0.93ug/L m

response 3305

Ion	Exp%	Act%
74.00	100	100
45.00	148.10	22.66#
59.00	162.00	50.47#
0.00	0.00	0.00

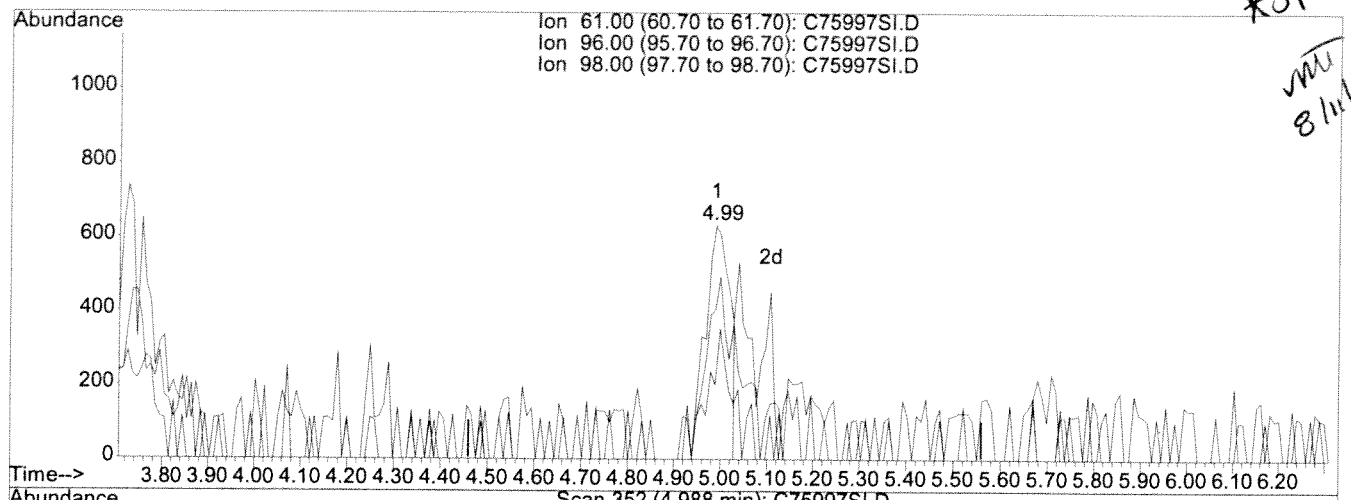
C75997SI.D V808100C.M Tue Aug 10 13:01:29 2010

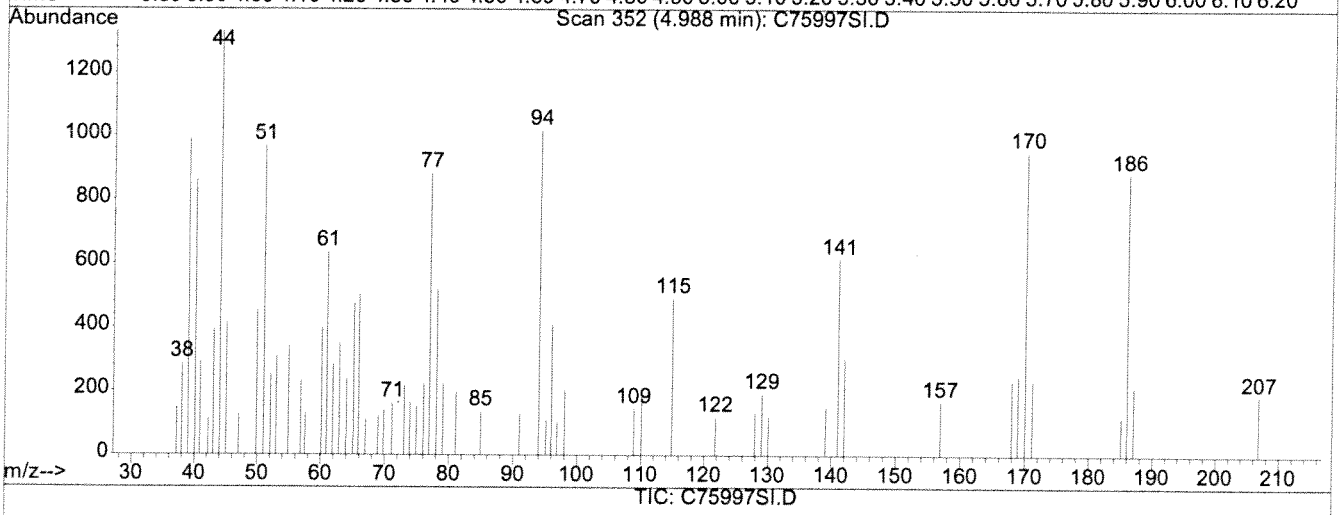
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10 KSP MW 8/11/10





(20) trans-1,2-Dichloroethene (TM)

4.99min 0.26ug/L

response 2490

Ion	Exp%	Act%
61.00	100	100
96.00	80.00	64.30
98.00	50.20	31.91
0.00	0.00	0.00

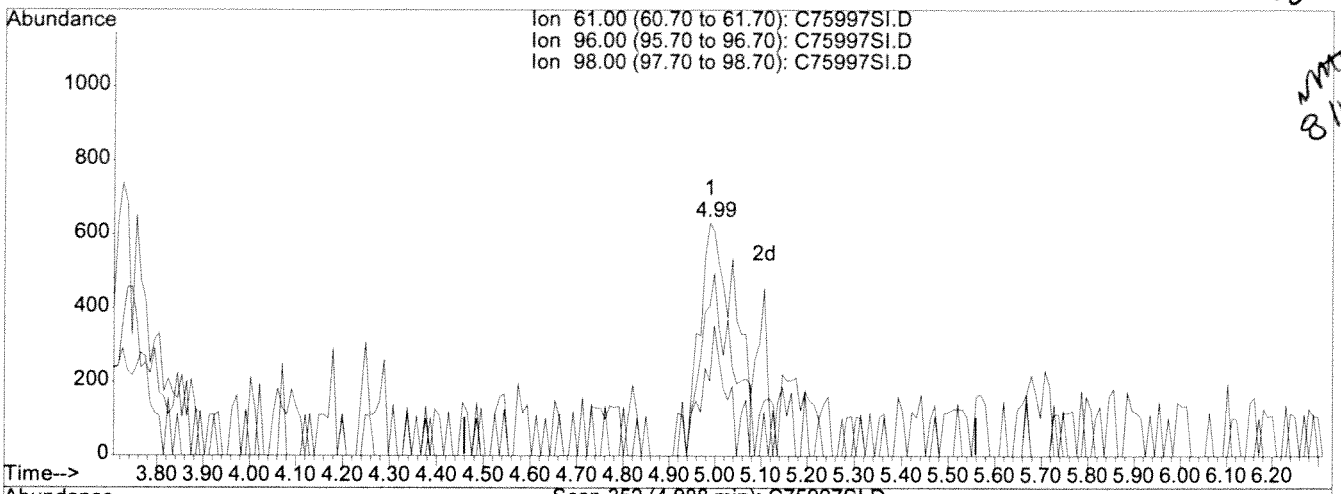
C75997SI.D V808100C.M Tue Aug 10 13:04:47 2010

Quantitation Report (Qedit)

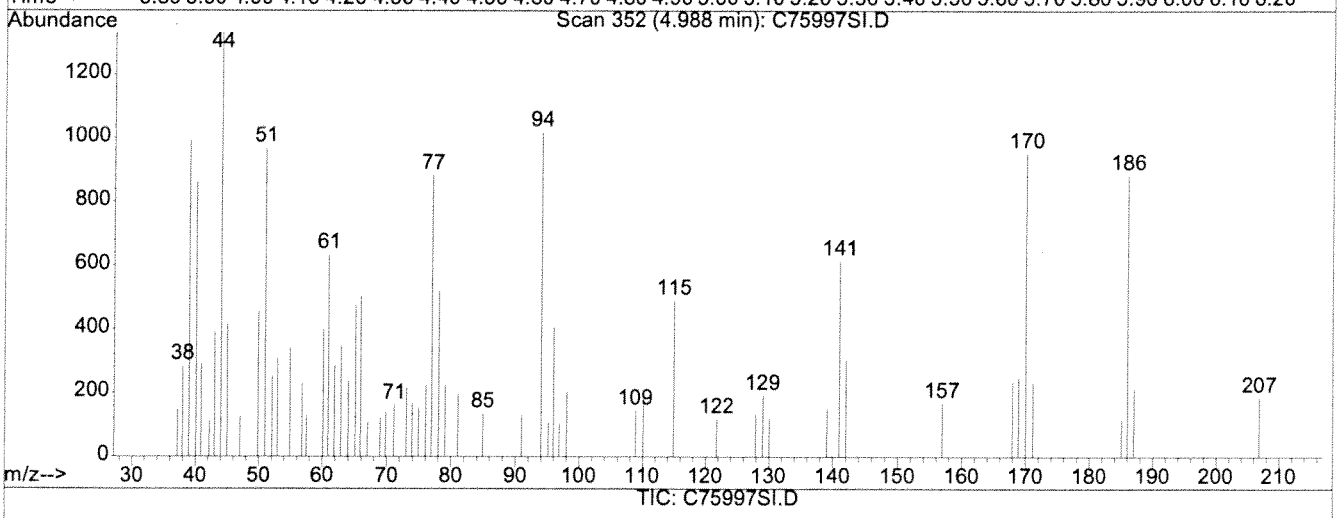
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:04 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL
08-11-10



NMT
8/11/10



TIC: C75997SI.D

(20) trans-1,2-Dichloroethene (TM)

4.99min 0.37ug/L m

response 3501

Ion	Exp%	Act%
61.00	100	100
96.00	80.00	64.30
98.00	50.20	31.91
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:04:58 2010

Quantitation Report (Qedit)

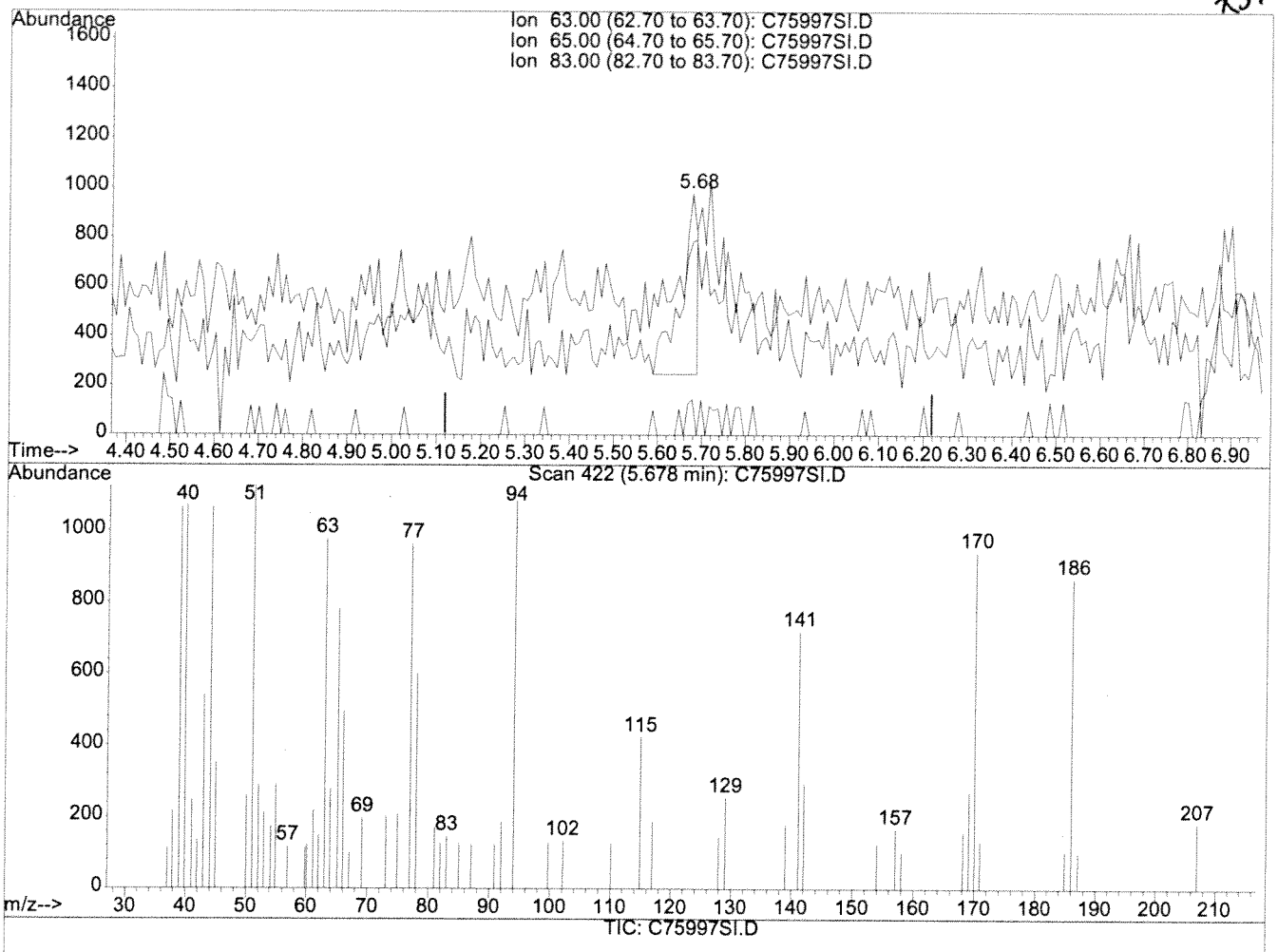
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:04 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10 *SP

* Point NOT USED INT Curve

VMT 8/11/10



(21) 1,1-Dichloroethane (TMP)

5.68min 0.16ug/L

response 1933

Ion	Exp%	Act%
63.00	100	100
65.00	30.20	28.45
83.00	19.30	19.97
0.00	0.00	0.00

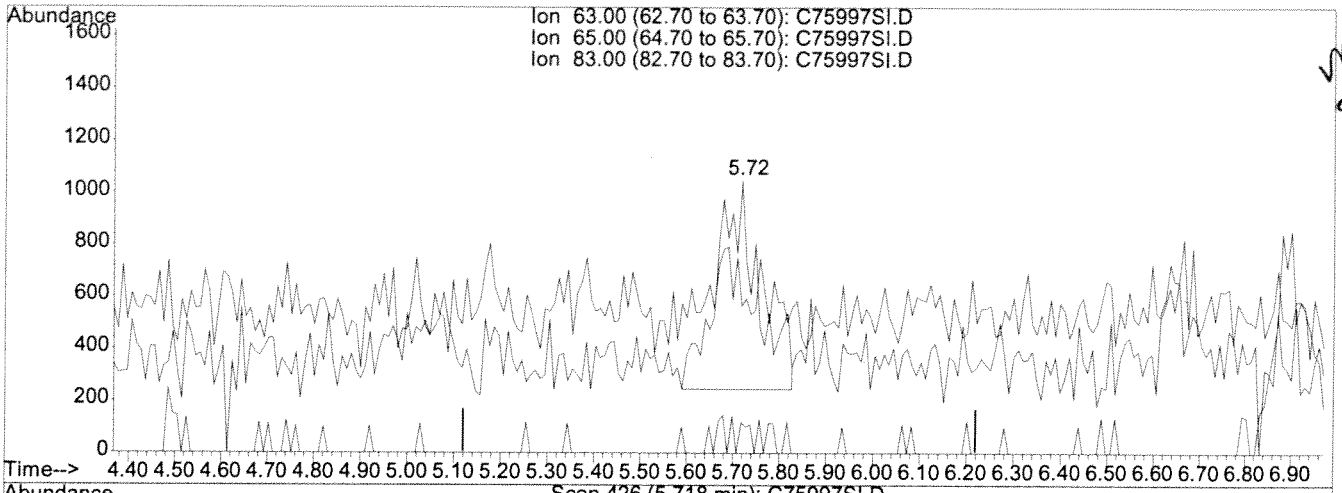
C75997SI.D V808100C.M Tue Aug 10 13:05:02 2010

Quantitation Report (Qedit)

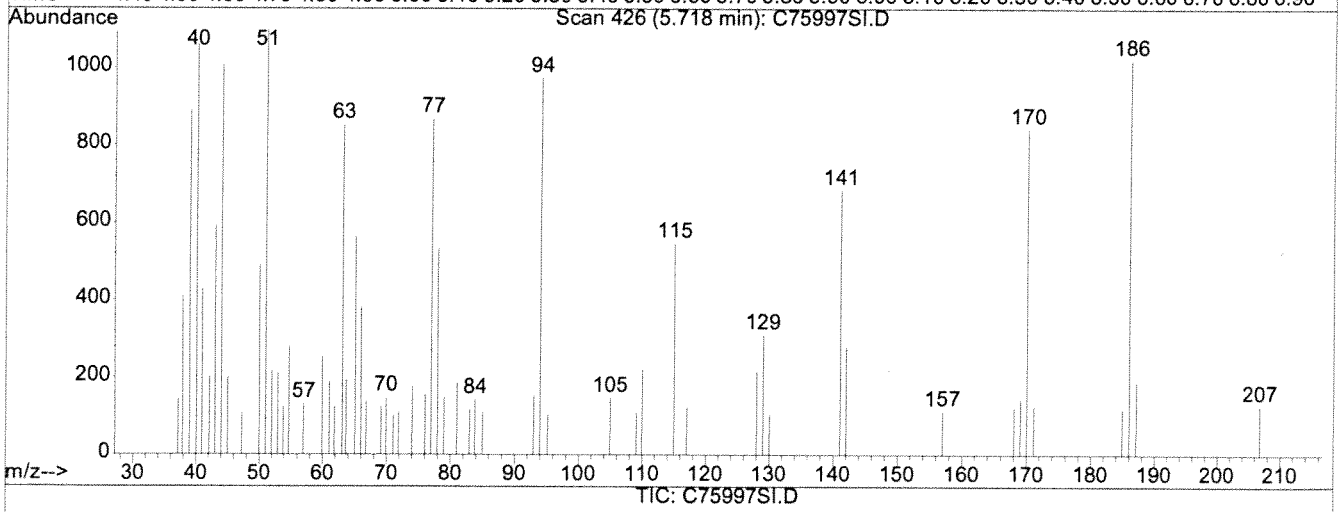
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

08-11-10



VMT 8/11/10



(21) 1,1-Dichloroethane (TMP)

5.72min 0.42ug/L m

response 4930

Ion	Exp%	Act%
63.00	100	100
65.00	30.20	66.24#
83.00	19.30	13.83
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:05:07 2010

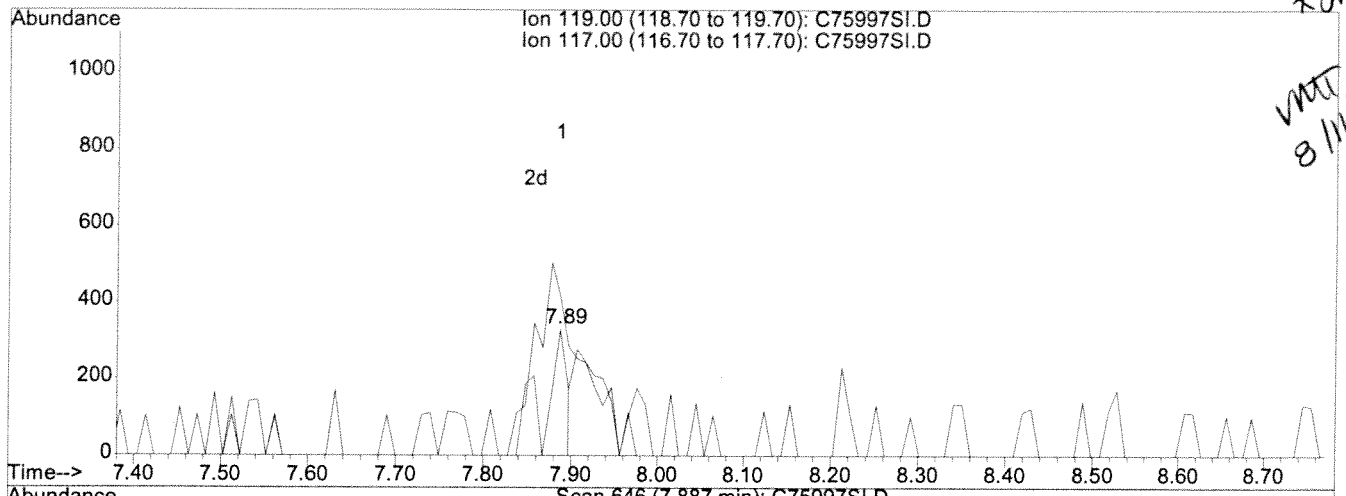
Quantitation Report (Qedit)

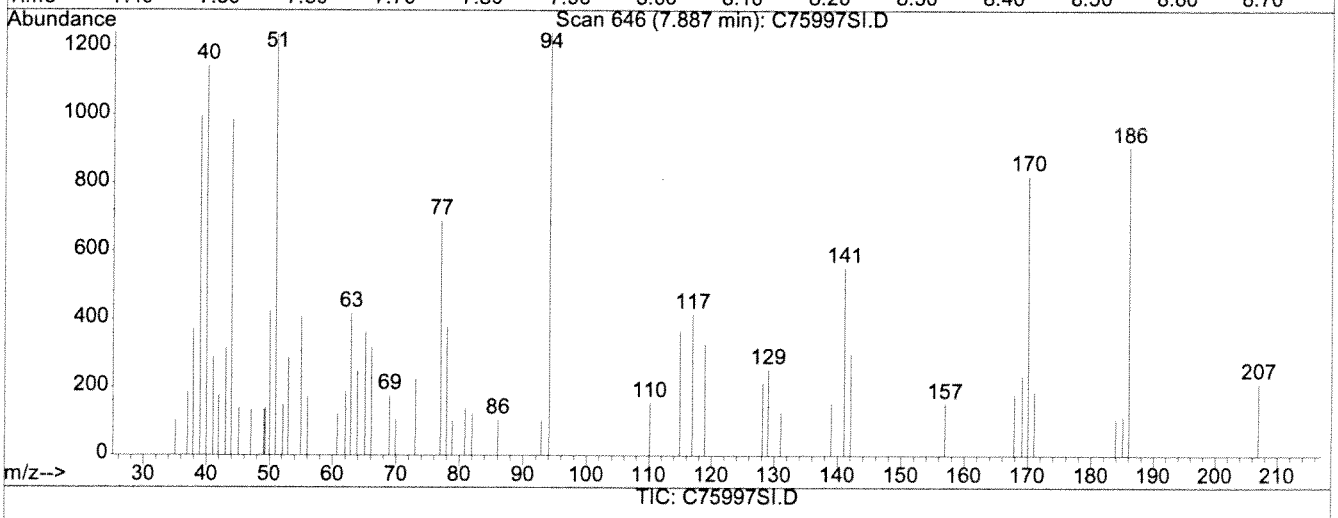
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 03.11.11 KBD

VMT 8/11/11





(35) Carbon Tetrachloride (TM)

7.89min 0.06ug/L

response 388

Ion	Exp%	Act%
119.00	100	100
117.00	101.10	41.16#
0.00	0.00	0.00
0.00	0.00	0.00

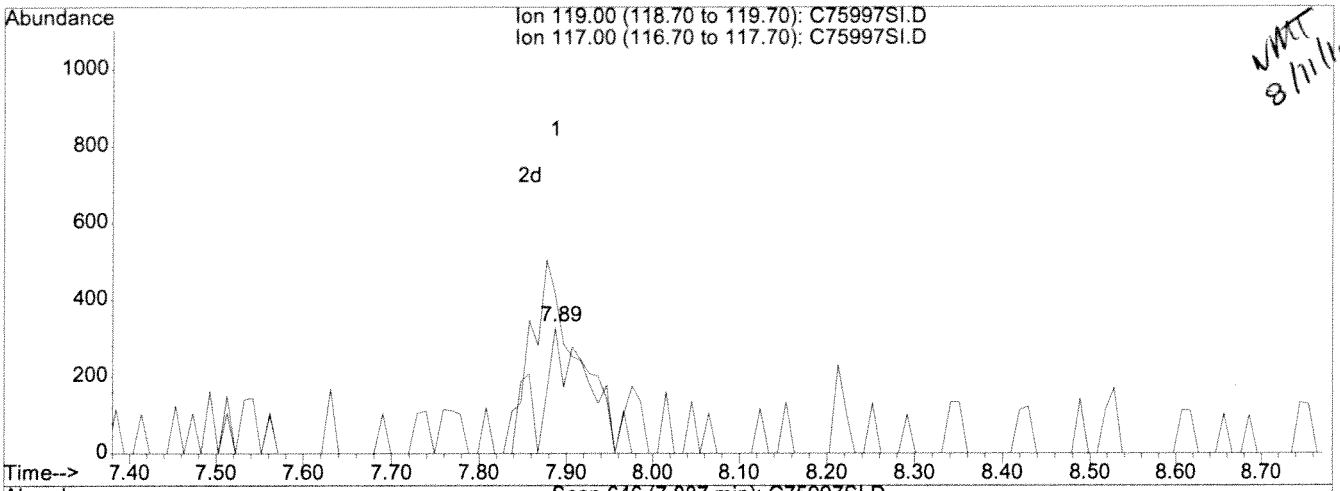
C75997SI.D V808100C.M Tue Aug 10 13:05:46 2010

Quantitation Report (Qedit)

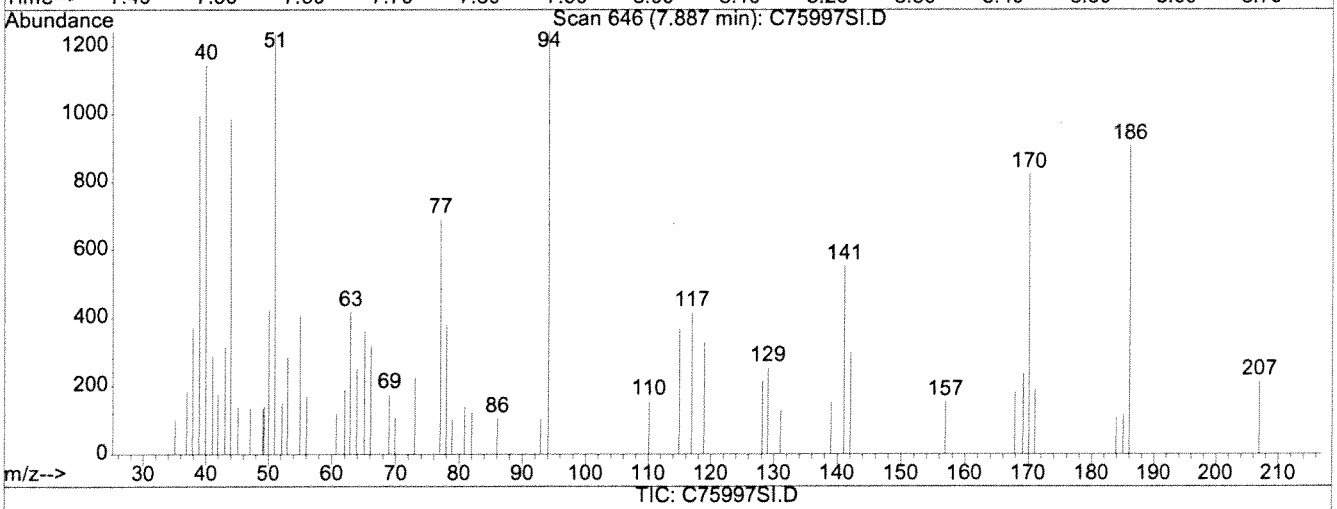
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08/11/10



VMT 8/11/10



TIC: C75997SI.D

(35) Carbon Tetrachloride (TM)

7.89min 0.16ug/L m

response 1023

Ion	Exp%	Act%
119.00	100	100
117.00	101.10	126.52#
0.00	0.00	0.00
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:05:52 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.10 MT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	197160	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	377545	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.11	117	336495	20.00 ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	150633	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	147502	20.71 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.55%		
36) d4-1,2-Dichloroethane	7.98	65	147502	20.69 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 103.45%		
54) d8-Toluene	10.85	98	422894	18.02 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 90.10%		
73) Bromofluorobenzene	14.99	95	156189	15.62 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 78.10%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	5386	Below Cal	88
3) Chloromethane	1.97	50	8355	0.90 ug/L	85
4) Vinyl Chloride	2.02	62	5351	0.81 ug/L	88
5) Bromomethane	2.52	94	1903	0.31 ug/L #	44
6) Chloroethane	2.57	64	4135	0.29 ug/L	99
7) t-Butyl alcohol (TBA)	3.96	59	263	0.52 ug/L #	1
8) Trichlorofluoromethane	2.92	101	6719	0.53 ug/L	96
9) Diethyl ether	3.32	74	1421	0.40 ug/L #	60
10) 1,1,2-Trichlorotrifluoroet	3.55	101	3848m	0.56 ug/L	
11) Acrolein	3.57	56	544	Below Cal	89
12) Acetone	3.59	43	11879	1.45 ug/L #	75
13) 1,1-Dichloroethene	3.75	96	4283	0.66 ug/L	83
14) Methyl iodide	4.17	142	398	0.05 ug/L	92
15) Di-isopropyl ether (DIPE)	5.59	45	17718	0.75 ug/L	90
16) Methylene Chloride	4.51	84	8151	0.09 ug/L	92
17) Carbon Disulfide	4.48	76	85524	3.69 ug/L	96
18) Acrylonitrile	4.73	53	760	0.28 ug/L #	52
19) Methyl-tert-butyl ether (M	4.82	73	7222m	0.42 ug/L	
20) trans-1,2-Dichloroethene	4.99	61	5161	0.54 ug/L	87
21) 1,1-Dichloroethane	5.69	63	8363	0.70 ug/L	81
22) Vinyl acetate	5.73	43	6555	0.55 ug/L #	87
23) Methyl ethyl ketone	6.42	72	2175	Below Cal #	97
24) Ethyl t-butyl ether (ETBE)	6.23	59	12326	0.60 ug/L #	67
25) 2,2-Dichloropropane	6.60	77	4267	0.51 ug/L	91
26) cis-1,2-Dichloroethene	6.64	96	5214	0.67 ug/L	96
27) t-Amyl methyl ether (TAME)	7.99	73	10882	0.58 ug/L #	63

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08-11-10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
29)	Chloroform	6.90	83	6886	0.48 ug/L		86
30)	Bromochloromethane	7.12	128	2610	Below Cal	#	86
31)	Tetrahydrofuran	7.26	71	809	0.49 ug/L	#	1
32)	1,1,1-Trichloroethane	7.52	97	4902	0.41 ug/L	#	78
33)	Ethanol	2.71	45	3980	5.41 ug/L	#	40
34)	1,1-Dichloropropene	7.74	75	6412	0.64 ug/L		81
35)	Carbon Tetrachloride	7.88	119	2580m	0.41 ug/L		
37)	1,2-Dichloroethane	8.11	62	6486	0.69 ug/L		76
38)	Benzene	8.12	78	14382	0.55 ug/L		96
40)	Trichloroethene	9.06	95	5734	0.58 ug/L	#	49
41)	1,2-Dichloropropane	9.33	63	5435	0.73 ug/L		97
42)	Methylmethacrylate	9.47	69	3675	0.68 ug/L	#	72
43)	Methyl acetate	4.32	43	5600	0.64 ug/L	#	77
44)	Cyclohexane	7.51	56	7637m	0.68 ug/L		
45)	Bromodichloromethane	9.67	83	5261	0.46 ug/L		79
46)	Dibromomethane	9.73	93	3520	0.54 ug/L		81
47)	1,4-Dioxane	9.75	88	1448	Below Cal	#	41
48)	Methylcyclohexane	9.16	83	6437	0.47 ug/L	#	71
50)	2-Chloroethylvinyl ether	10.18	63	2198	0.53 ug/L	#	76
51)	2-Hexanone	11.55	58	8106	2.91 ug/L	#	64
52)	Methyl isobutyl ketone	10.23	58	9297	3.15 ug/L	#	69
53)	cis-1,3-Dichloropropene	10.50	75	7079	0.55 ug/L		95
55)	Toluene	10.96	92	9530	0.50 ug/L	#	79
56)	trans-1,3-Dichloropropene	11.25	75	6597	0.52 ug/L		97
58)	1,1,2-Trichloroethane	11.48	83	3334	0.51 ug/L		88
59)	1,3-Dichloropropane	11.86	76	5721	0.45 ug/L		92
60)	Tetrachloroethene	11.95	166	4043	0.52 ug/L	#	79
61)	Dibromochloromethane	12.23	129	3983	0.41 ug/L		96
62)	1,2-Dibromoethane	12.53	107	4226	0.53 ug/L		98
64)	Chlorobenzene	13.17	112	10720	0.61 ug/L		87
65)	1,1,1,2-Tetrachloroethane	13.26	131	3522	0.44 ug/L		88
66)	Ethylbenzene	13.27	91	16750	0.46 ug/L		80
67)	m,p-Xylene	13.40	106	13980	1.21 ug/L	#	42
68)	o-Xylene	14.06	106	6280	0.56 ug/L	#	56
69)	Styrene	14.11	104	11682	0.58 ug/L	#	57
70)	Bromoform	14.59	173	1528	0.32 ug/L		84
71)	Isopropylbenzene	14.62	105	17054	0.55 ug/L		94
72)	1,1,2,2-Tetrachloroethane	14.88	83	5269	0.51 ug/L	#	88
74)	1,2,3-Trichloropropane	15.11	75	5413	0.72 ug/L		100
75)	trans-1,4-Dichloro-2-buten	15.24	89	1589	0.51 ug/L	#	56
76)	n-Propylbenzene	15.24	91	20202	0.46 ug/L		82

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08-11-10 MAT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
77)	Bromobenzene	15.27	156	3672	0.48 ug/L	#	84
78)	1,3,5-Trimethylbenzene	15.49	105	14851	0.59 ug/L		95
79)	2-Chlorotoluene	15.49	91	13703	0.48 ug/L		71
80)	4-Chlorotoluene	15.58	91	10812	0.41 ug/L		70
81)	tert-butylbenzene	16.04	119	11641	0.52 ug/L	#	64
82)	1,2,4-Trimethylbenzene	16.10	105	13723	0.52 ug/L	#	52
83)	Diisobutylketone	15.19	57	50025	2.88 ug/L	#	80
84)	sec-butylbenzene	16.38	105	18696	0.56 ug/L		83
85)	p-isopropyltoluene	16.59	119	15386	0.54 ug/L		87
86)	1,3-Dichlorobenzene	16.72	146	6736	0.46 ug/L	#	80
88)	1,4-Dichlorobenzene	16.88	146	7320	0.56 ug/L		87
89)	n-butylbenzene	17.25	91	14075	0.53 ug/L		74
90)	1,2-Dichlorobenzene	17.45	146	6107	0.52 ug/L		91
92)	1,2-Dibromo-3-chloropropan	18.69	75	1648	0.24 ug/L	#	81
94)	1,2,4-Trichlorobenzene	20.10	180	4845	0.58 ug/L		98
95)	Hexachlorobutadiene	20.34	225	2386	0.40 ug/L		95
96)	Naphthalene	20.49	128	13546	0.63 ug/L		96
97)	1,2,3-Trichlorobenzene	20.90	180	4125	0.55 ug/L		90
98)	1,3,5-Trichlorobenzene	19.10	180	5312	0.61 ug/L		92

(#) = qualifier out of range (m) = manual integration

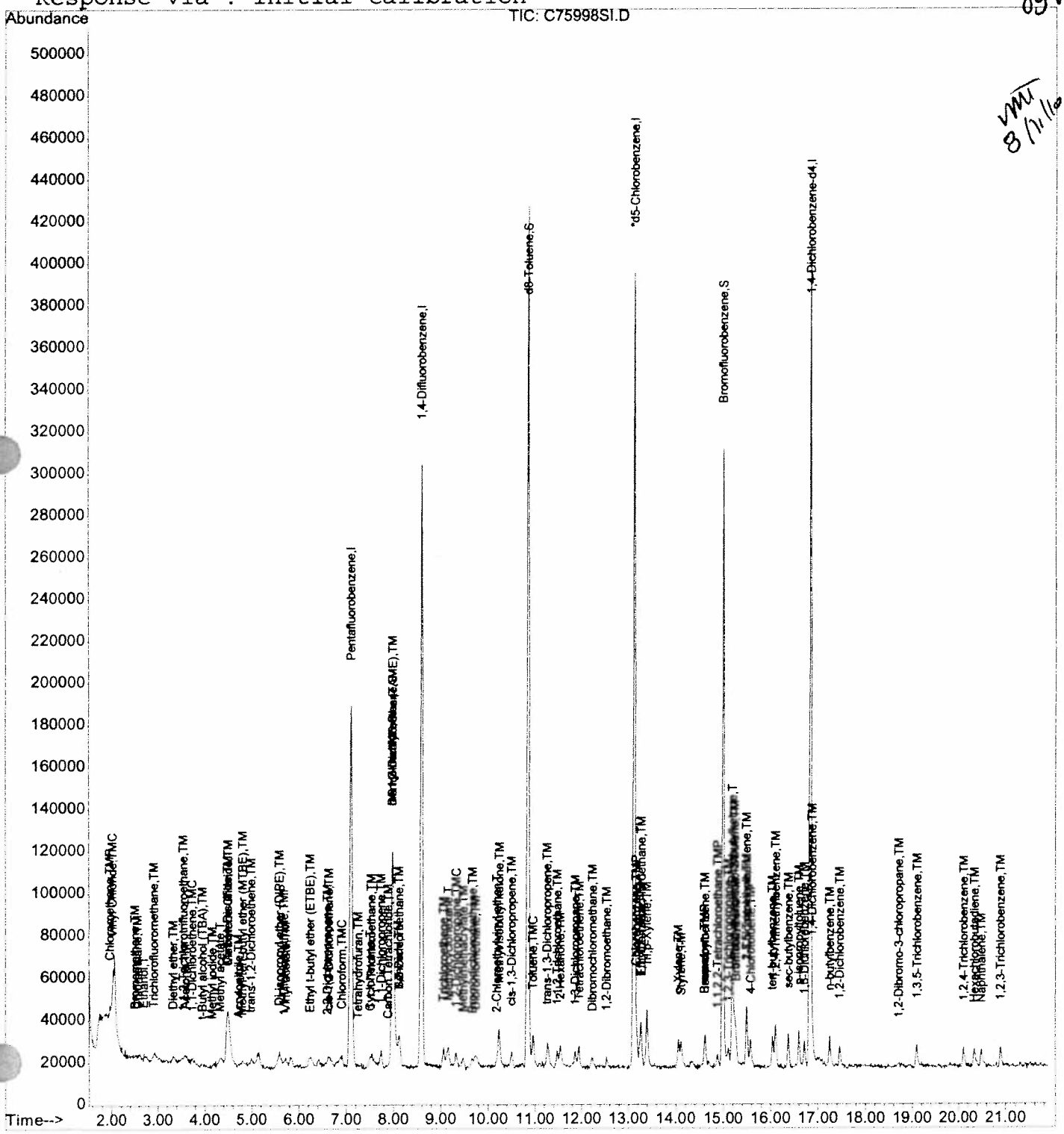
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JL 09.11.10

VMT 8/11/10



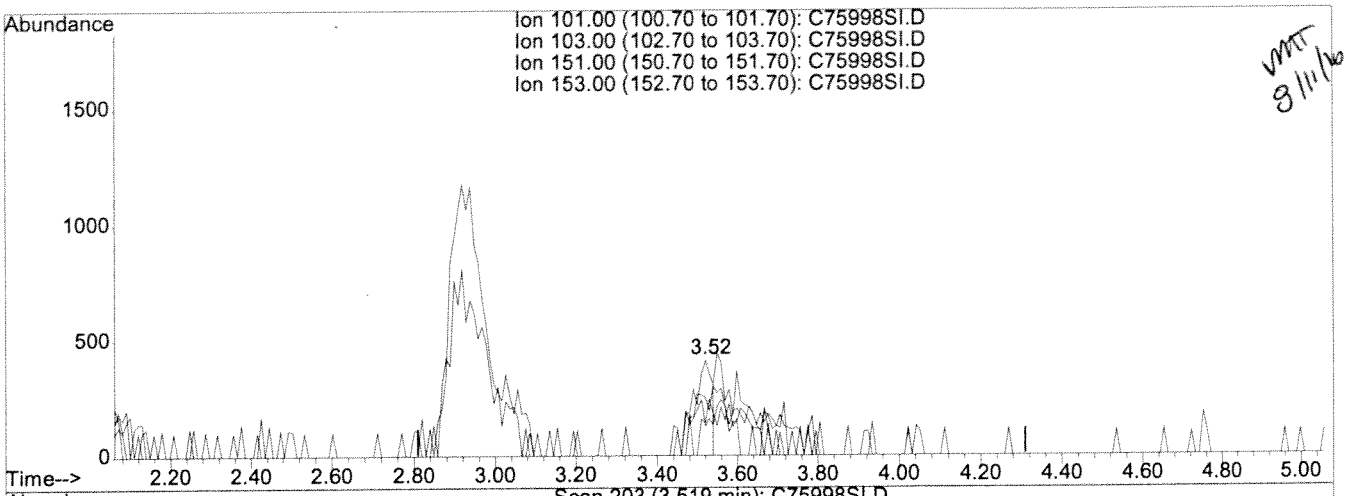
Quantitation Report (Qedit)

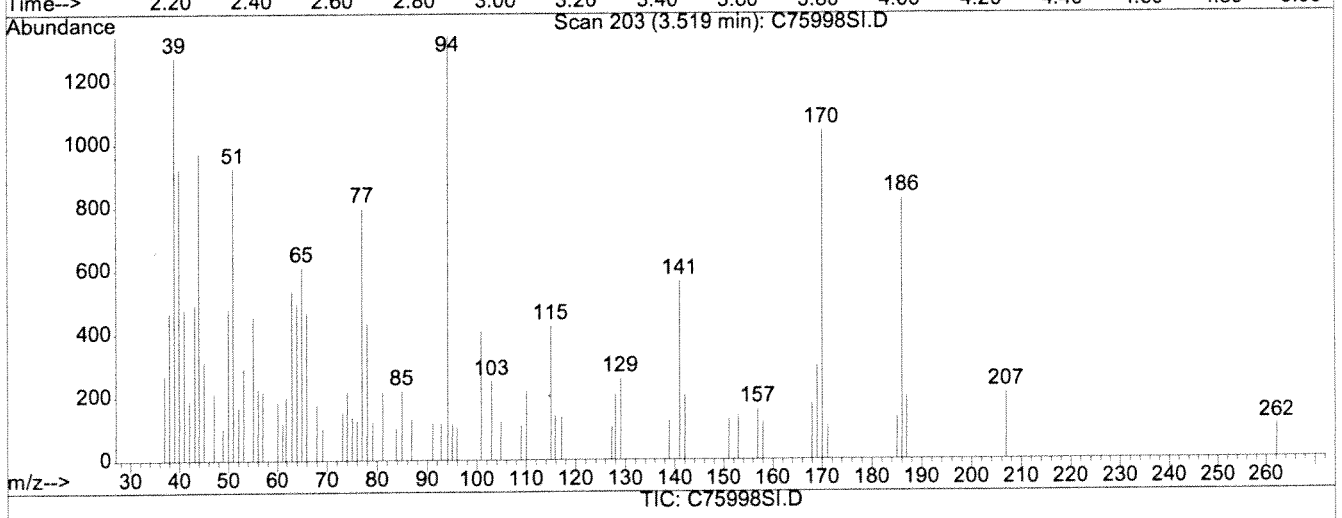
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL
09.11.10
KSP

VMT
8/11/10





TIC: C75998SI.D

(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.52min 0.20ug/L

response 1358

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	28.57#
151.00	44.60	0.00#
153.00	24.40	37.19#

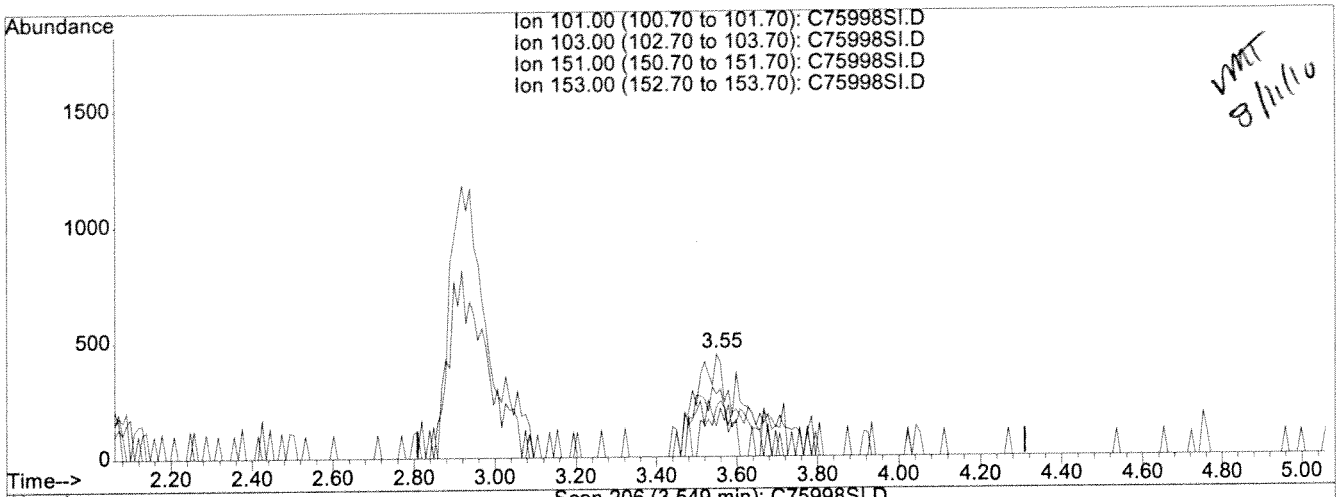
C75998SI.D V808100C.M Tue Aug 10 13:12:28 2010

Quantitation Report (Qedit)

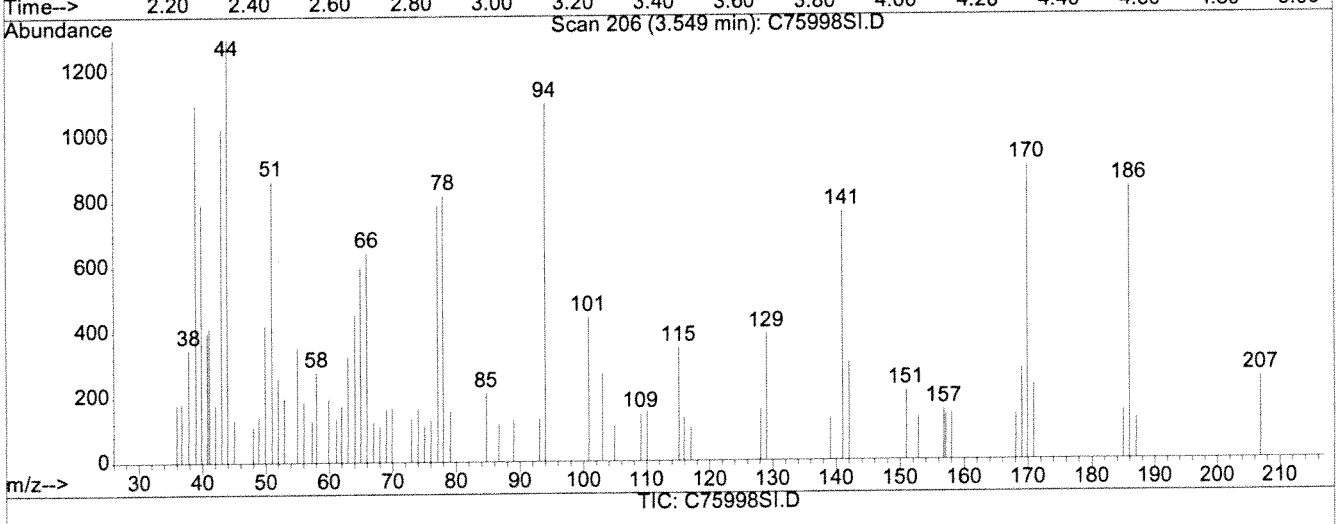
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 08/11/10



VMT 8/11/10



(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.55min 0.56ug/L m

response 3848

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	10.08#
151.00	44.60	0.00#
153.00	24.40	13.12#

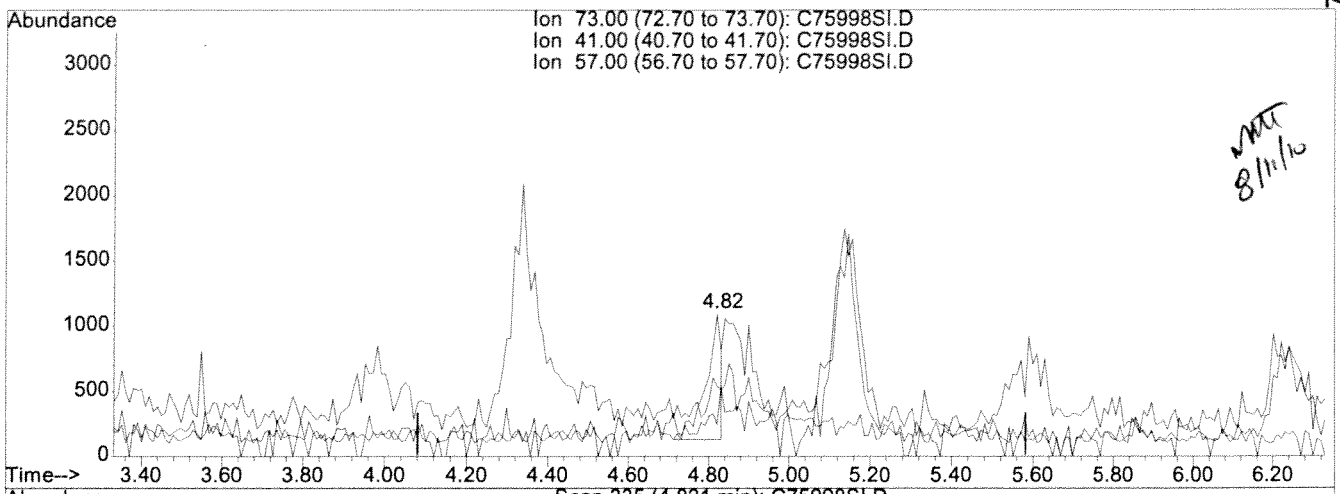
C75998SI.D V808100C.M Tue Aug 10 13:12:37 2010

Quantitation Report (Qedit)

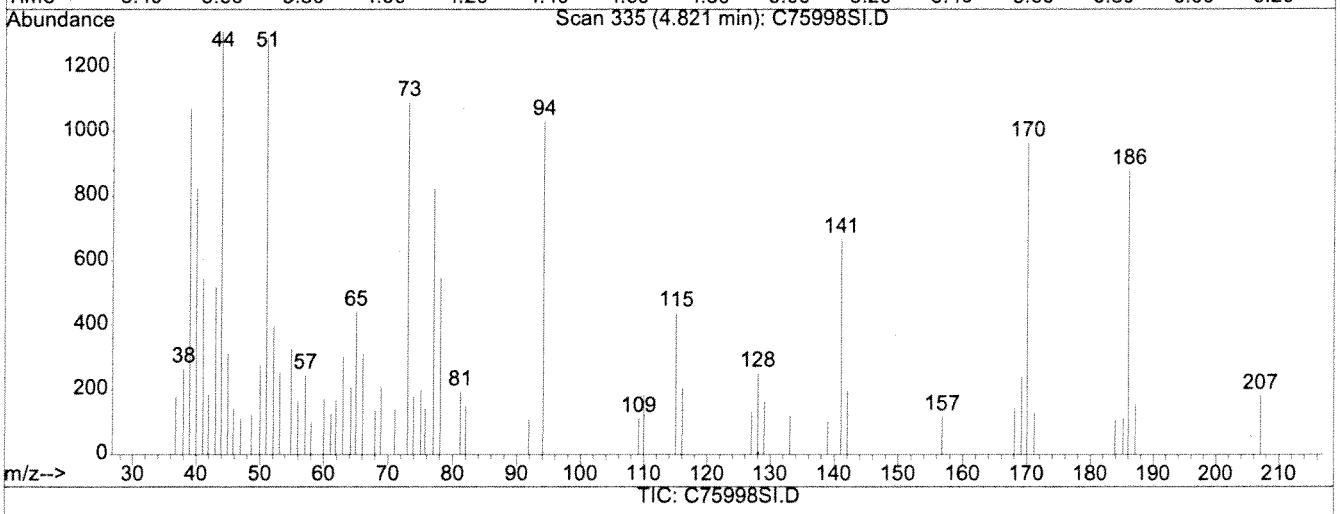
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 08.11.10 XBP



MTT 8/11/10



TIC: C75998SI.D

(19) Methyl-tert-butyl ether (MTBE) (TM)

4.82min 0.15ug/L

response 2513

Ion	Exp%	Act%
73.00	100	100
41.00	22.90	22.68
57.00	16.50	0.00#
0.00	0.00	0.00

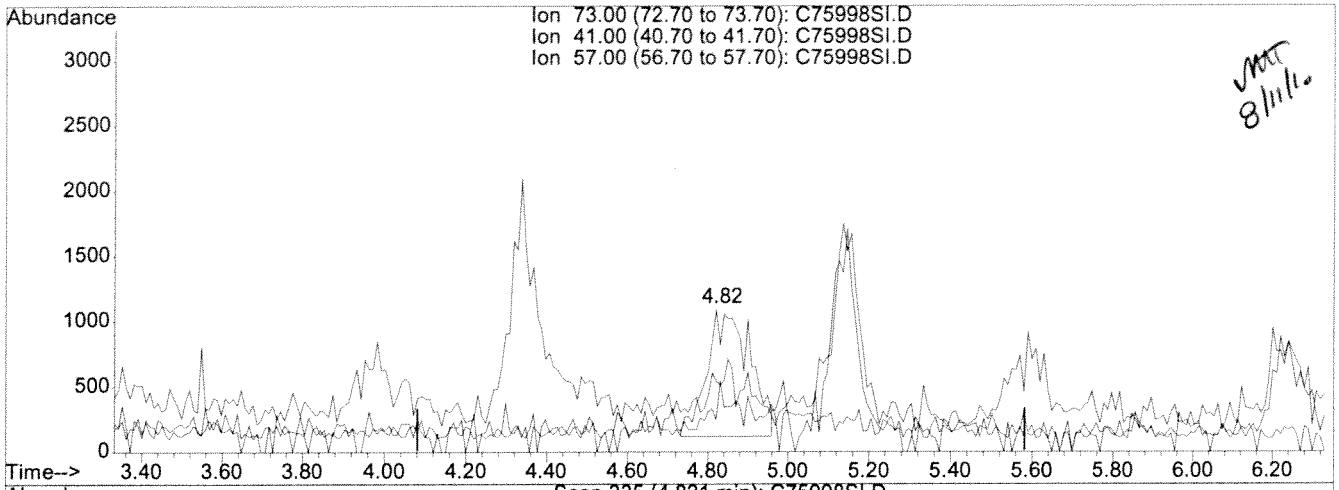
C75998SI.D V808100C.M Tue Aug 10 13:12:52 2010

Quantitation Report (Qedit)

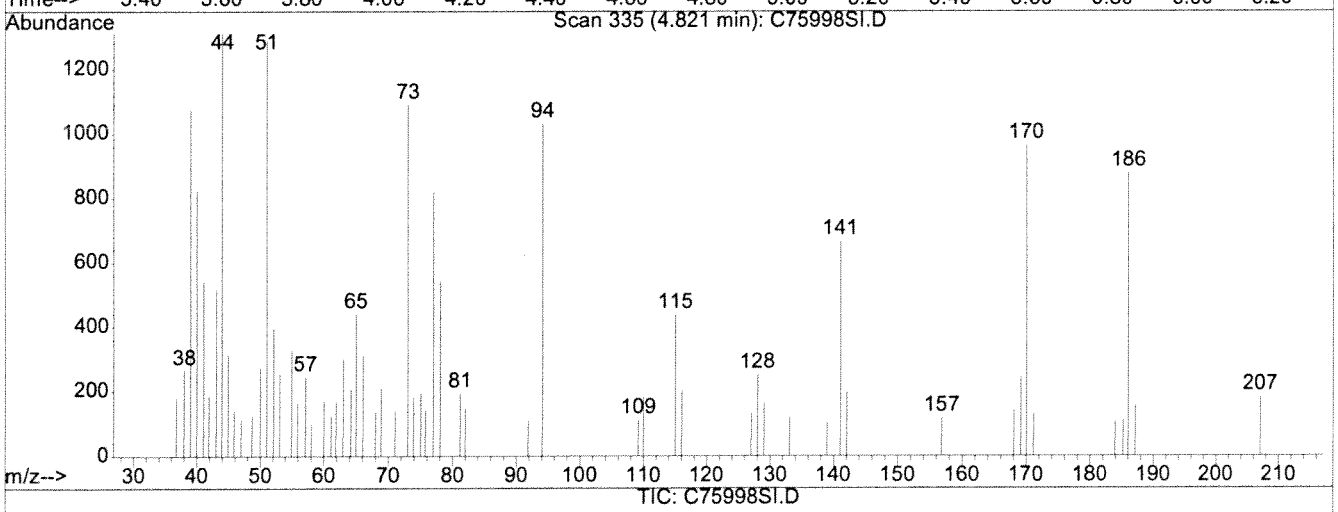
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08.11.10



VMT 8/11/10



TIC: C75998SI.D

(19) Methyl-tert-butyl ether (MTBE) (TM)

4.82min 0.42ug/L m

response 7222

Ion	Exp%	Act%
73.00	100	100
41.00	22.90	7.89#
57.00	16.50	0.00#
0.00	0.00	0.00

C75998SI.D V808100C.M Tue Aug 10 13:12:57 2010

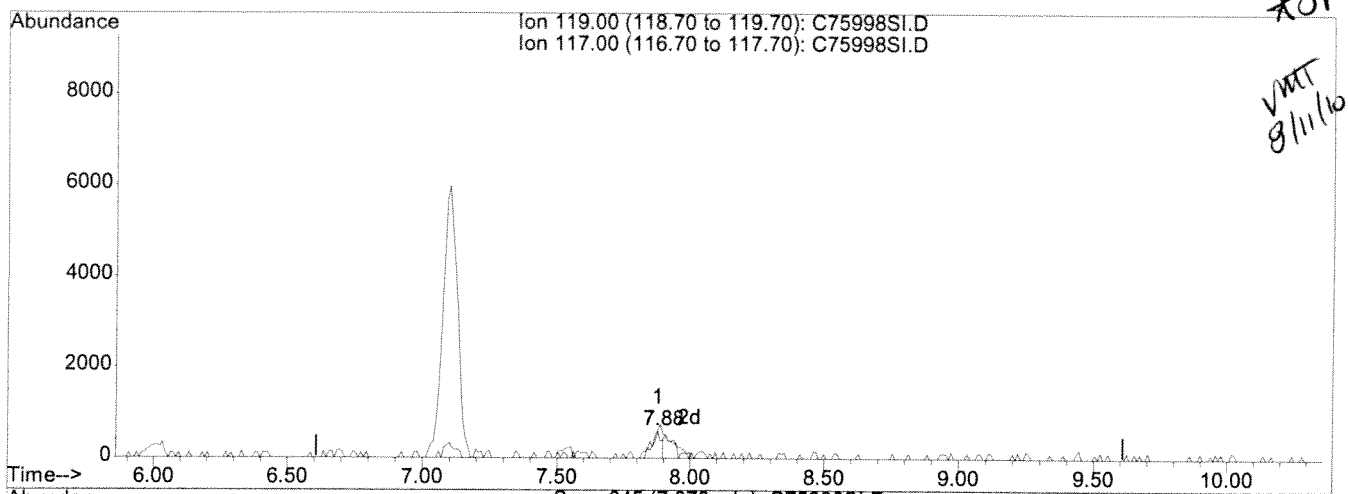
Quantitation Report (Qedit)

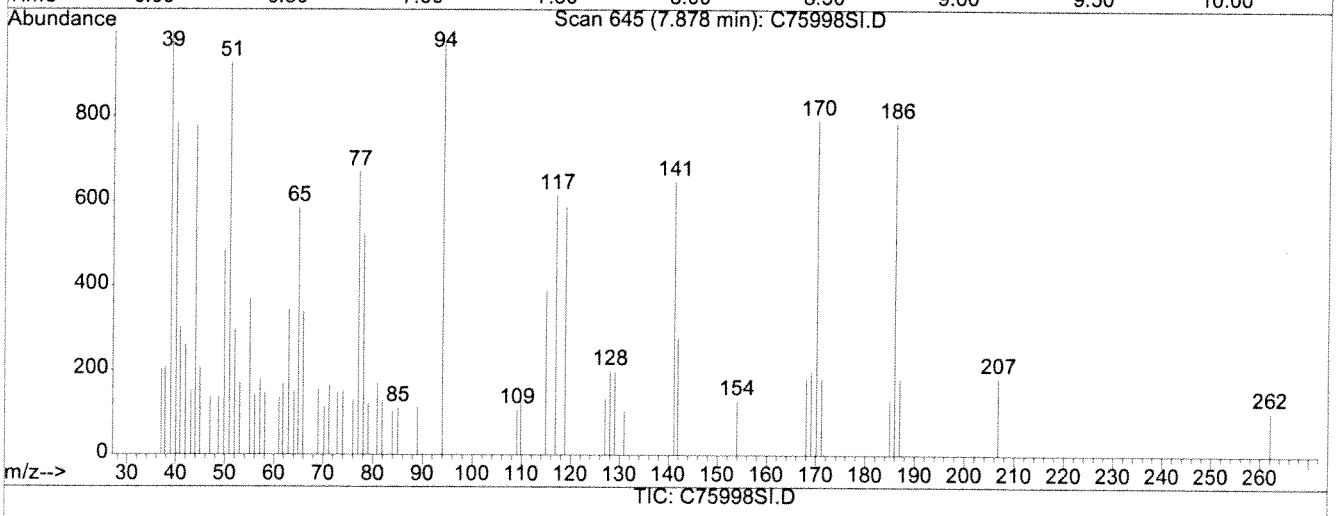
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

08/11/10
KSP

VMT
8/11/10





(35) Carbon Tetrachloride (TM)

7.88min 0.23ug/L

response 1448

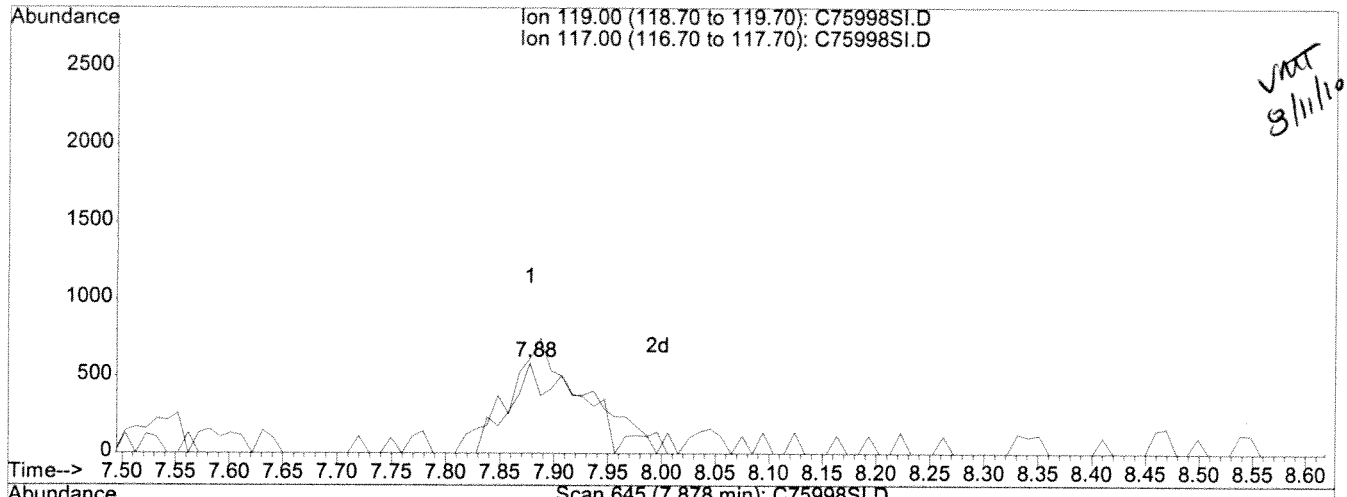
Ion	Exp%	Act%
119.00	100	100
117.00	101.10	84.33
0.00	0.00	0.00
0.00	0.00	0.00

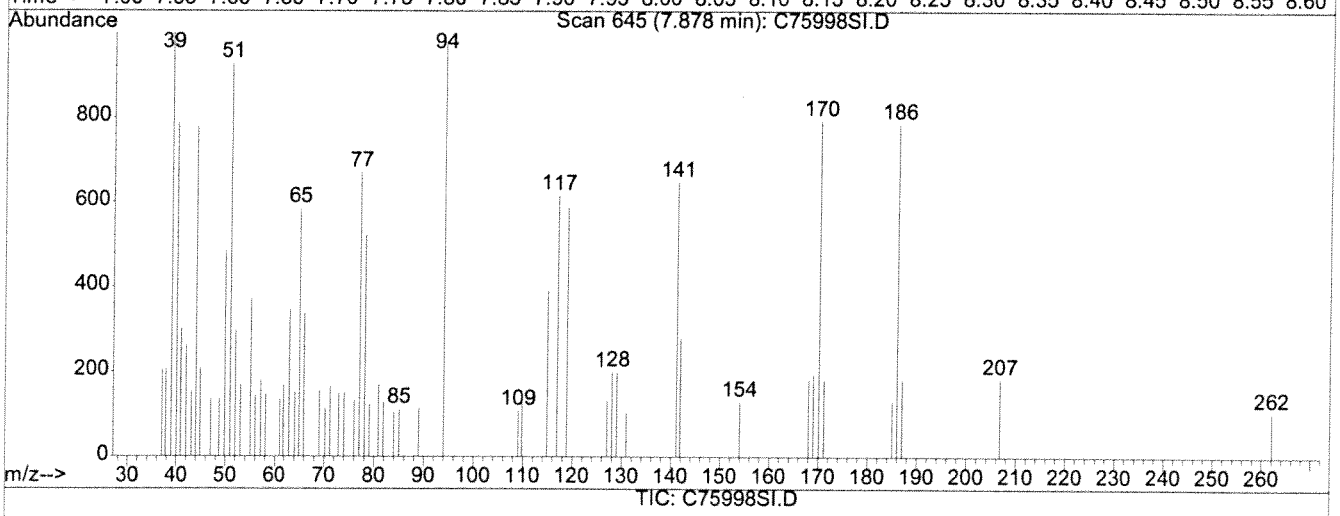
C75998SI.D V808100C.M Tue Aug 10 13:13:21 2010

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





TIC: C75998SI.D

(35) Carbon Tetrachloride (TM)

7.88min 0.41ug/L m

response 2580

Ion	Exp%	Act%
119.00	100	100
117.00	101.10	104.77
0.00	0.00	0.00
0.00	0.00	0.00

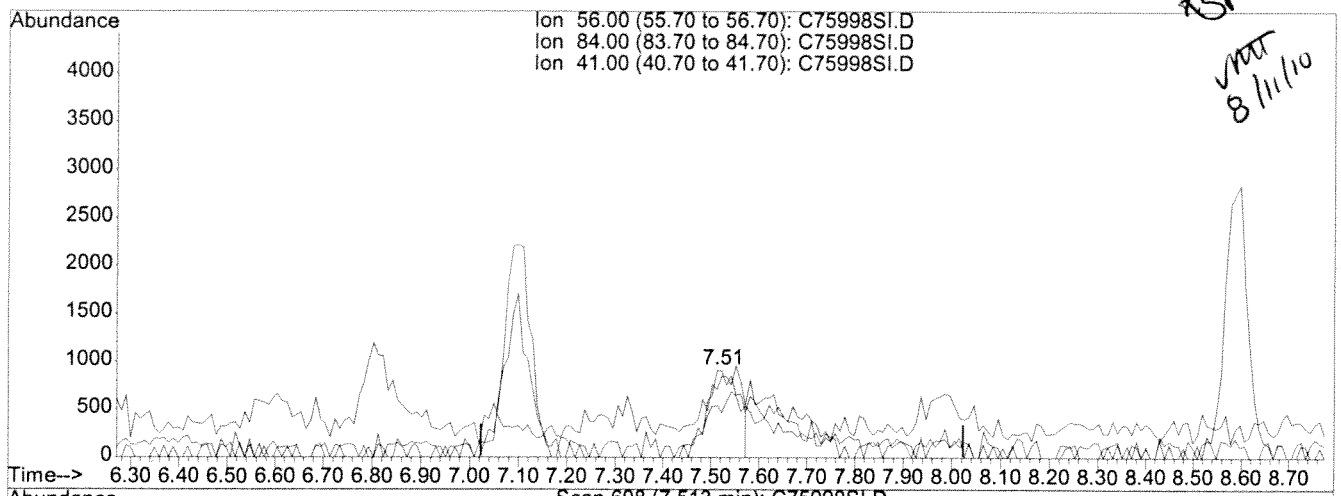
C75998SI.D V808100C.M Tue Aug 10 13:13:26 2010

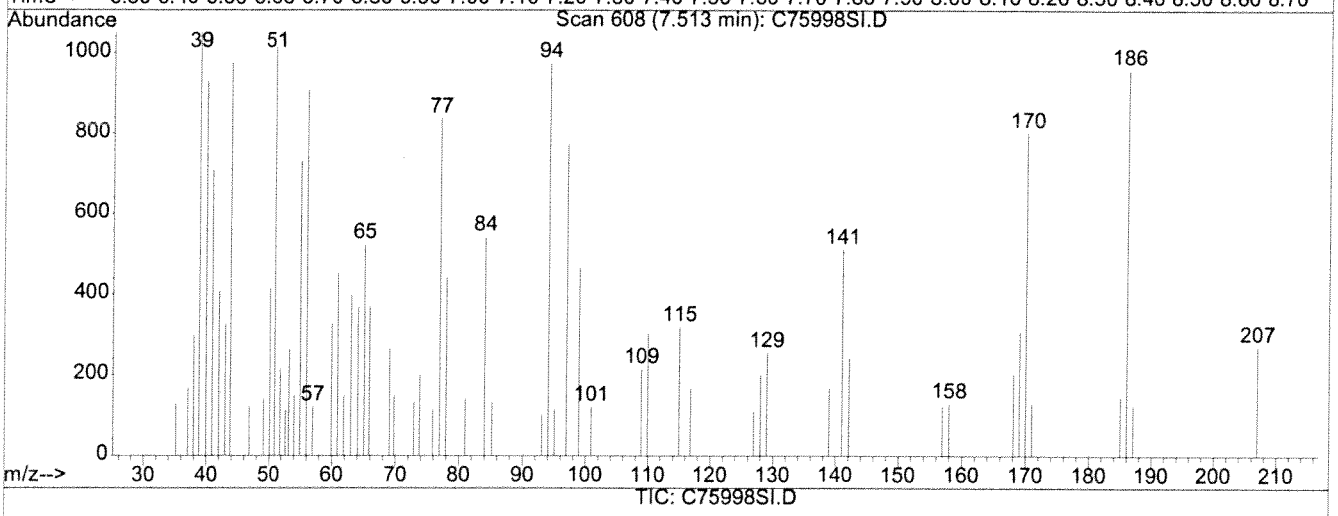
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08.11.10 KSP MT 8/11/10





TIC: C75998SI.D

(44) Cyclohexane (T)

7.51min 0.39ug/L

response 4365

Ion	Exp%	Act%
56.00	100	100
84.00	102.90	109.05
41.00	85.20	47.31#
0.00	0.00	0.00

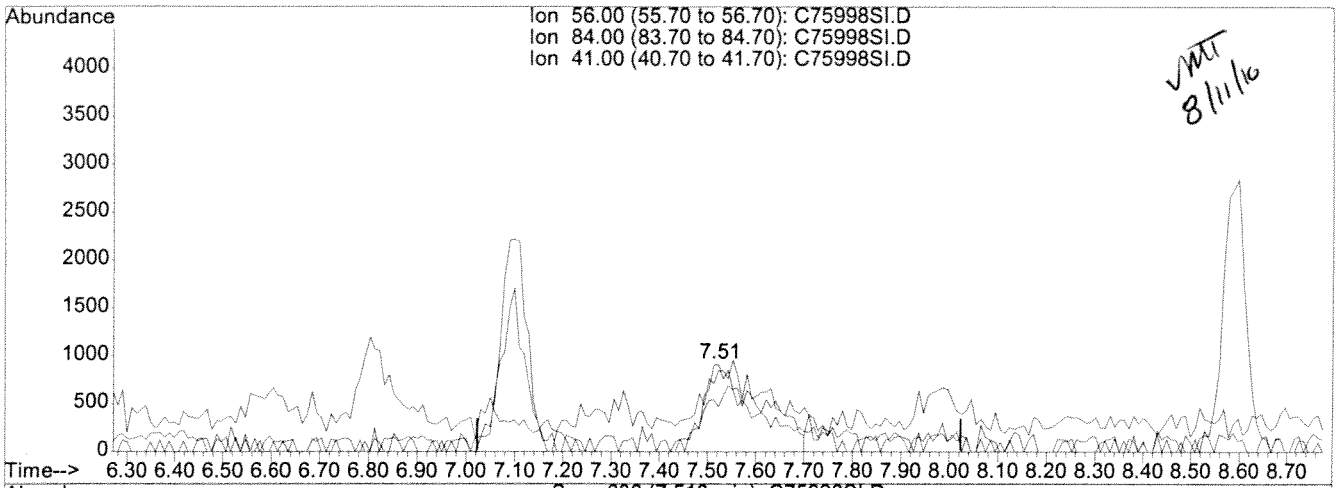
C75998SI.D V808100C.M Tue Aug 10 13:13:34 2010

Quantitation Report (Qedit)

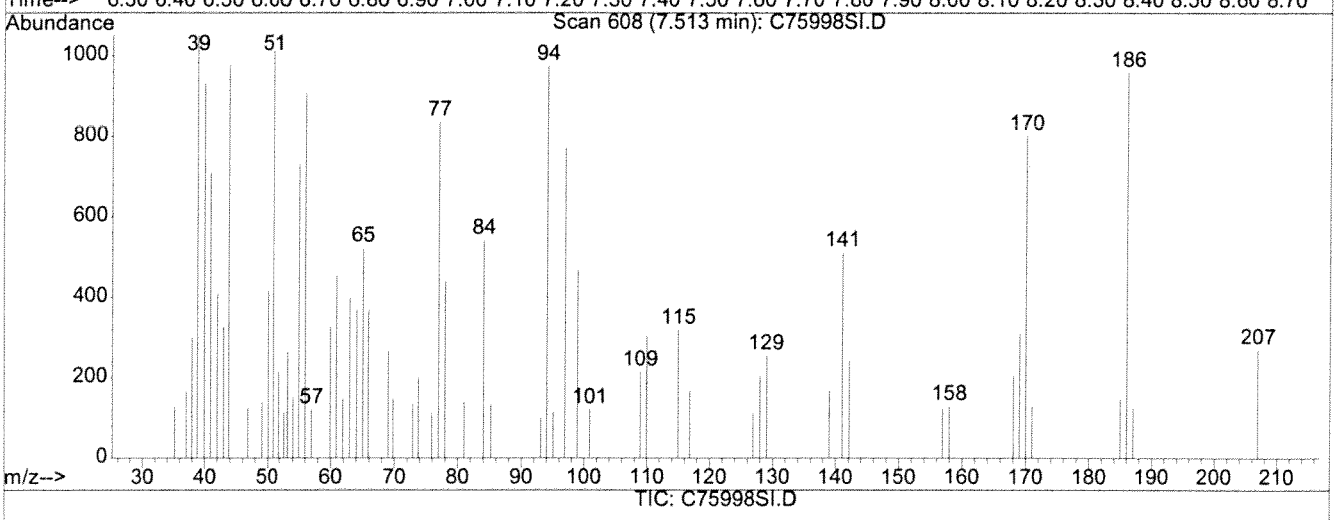
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08/11/10



VMT 8/11/10



(44) Cyclohexane (T)

7.51min 0.68ug/L m

response 7637

Ion	Exp%	Act%
56.00	100	100
84.00	102.90	62.33#
41.00	85.20	27.04#
0.00	0.00	0.00

C75998SI.D V808100C.M Tue Aug 10 13:13:39 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08-11-10 JMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	198221	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.59	114	390972	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	340345	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	151939	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	154484	21.57 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 107.85%		
36) d4-1,2-Dichloroethane	7.98	65	154629	21.58 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 107.90%		
54) d8-Toluene	10.85	98	426995	17.57 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 87.85%		
73) Bromofluorobenzene	14.99	95	160133	15.83 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 79.15%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	9197	0.40 ug/L	98
3) Chloromethane	1.99	50	14076	1.58 ug/L	97
4) Vinyl Chloride	2.03	62	9435	1.42 ug/L	91
5) Bromomethane	2.51	94	6200	1.00 ug/L #	70
6) Chloroethane	2.59	64	6183	0.76 ug/L	84
7) t-Butyl alcohol (TBA)	3.98	59	4448m	8.69 ug/L	
8) Trichlorofluoromethane	2.92	101	12357	0.97 ug/L	80
9) Diethyl ether	3.33	74	3156	0.88 ug/L	85
10) 1,1,2-Trichlorotrifluoroet	3.51	101	6600m	0.96 ug/L	
11) Acrolein	3.48	56	3509	4.24 ug/L #	38
12) Acetone	3.59	43	18274	4.61 ug/L	92
13) 1,1-Dichloroethene	3.74	96	6902	1.06 ug/L #	85
14) Methyl iodide	4.20	142	4238	0.58 ug/L #	42
15) Di-isopropyl ether (DIPE)	5.58	45	33239	1.40 ug/L #	85
16) Methylene Chloride	4.49	84	11472	0.55 ug/L #	82
17) Carbon Disulfide	4.49	76	21447	0.92 ug/L #	91
18) Acrylonitrile	4.75	53	2964	1.08 ug/L #	76
19) Methyl-tert-butyl ether (M	4.84	73	11303	0.66 ug/L #	91
20) trans-1,2-Dichloroethene	5.00	61	12094	1.27 ug/L	80
21) 1,1-Dichloroethane	5.68	63	16602	1.39 ug/L	96
22) Vinyl acetate	5.74	43	12856	1.08 ug/L	99
23) Methyl ethyl ketone	6.42	72	3902	Below Cal #	89
24) Ethyl t-butyl ether (ETBE)	6.24	59	24043	1.16 ug/L #	83
25) 2,2-Dichloropropane	6.57	77	9139	1.08 ug/L	99
26) cis-1,2-Dichloroethene	6.65	96	8589	1.11 ug/L	94
27) t-Amyl methyl ether (TAME)	7.97	73	19212	1.01 ug/L #	87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	13962	0.96 ug/L	88
30)	Bromochloromethane	7.13	128	5842	0.23 ug/L #	74
31)	Tetrahydrofuran	7.27	71	1219	1.07 ug/L #	87
32)	1,1,1-Trichloroethane	7.52	97	10756	0.89 ug/L	83
33)	Ethanol	2.72	45	7953	56.23 ug/L #	84
34)	1,1-Dichloropropene	7.74	75	11439	1.13 ug/L	96
35)	Carbon Tetrachloride	7.91	119	5445	0.85 ug/L #	76
37)	1,2-Dichloroethane	8.13	62	9960	1.05 ug/L	94
38)	Benzene	8.12	78	27681	1.06 ug/L	99
40)	Trichloroethene	9.06	95	11064	1.09 ug/L #	49
41)	1,2-Dichloropropane	9.33	63	8155	1.05 ug/L	90
42)	Methylmethacrylate	9.47	69	5310	0.95 ug/L #	84
43)	Methyl acetate	4.31	43	15519	1.71 ug/L #	85
44)	Cyclohexane	7.53	56	12718	1.09 ug/L #	34
45)	Bromodichloromethane	9.67	83	8768	0.74 ug/L	88
46)	Dibromomethane	9.73	93	7151	1.05 ug/L	89
47)	1,4-Dioxane	9.76	88	2244	Below Cal #	42
48)	Methylcyclohexane	9.16	83	11470	0.81 ug/L #	72
50)	2-Chloroethylvinyl ether	10.18	63	4344	1.01 ug/L #	85
51)	2-Hexanone	11.54	58	15373	5.32 ug/L	73
52)	Methyl isobutyl ketone	10.23	58	17051	5.59 ug/L #	67
53)	cis-1,3-Dichloropropene	10.50	75	11780	0.88 ug/L	99
55)	Toluene	10.96	92	17342	0.87 ug/L #	78
56)	trans-1,3-Dichloropropene	11.27	75	11100	0.84 ug/L	91
58)	1,1,2-Trichloroethane	11.48	83	5265	0.78 ug/L	93
59)	1,3-Dichloropropane	11.87	76	12933	0.98 ug/L	97
60)	Tetrachloroethene	11.95	166	7499	0.93 ug/L	95
61)	Dibromochloromethane	12.24	129	6972	0.69 ug/L	83
62)	1,2-Dibromoethane	12.54	107	7506	0.91 ug/L	99
64)	Chlorobenzene	13.18	112	19398	1.08 ug/L	84
65)	1,1,1,2-Tetrachloroethane	13.26	131	6705	0.82 ug/L	90
66)	Ethylbenzene	13.27	91	30453	0.82 ug/L	87
67)	m,p-Xylene	13.40	106	24835	2.12 ug/L #	51
68)	o-Xylene	14.06	106	11948	1.05 ug/L #	60
69)	Styrene	14.12	104	20450	1.00 ug/L	74
70)	Bromoform	14.60	173	2885	0.59 ug/L	99
71)	Isopropylbenzene	14.62	105	30016	0.96 ug/L	82
72)	1,1,2,2-Tetrachloroethane	14.88	83	8942	0.85 ug/L	93
74)	1,2,3-Trichloropropane	15.10	75	8180	1.08 ug/L	95
75)	trans-1,4-Dichloro-2-buten	15.24	89	2389	0.76 ug/L #	28
76)	n-Propylbenzene	15.24	91	36642	0.83 ug/L	86

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JR 08-11-10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.28	156	7083	0.92 ug/L #	71
78)	1,3,5-Trimethylbenzene	15.50	105	25617	1.00 ug/L	87
79)	2-Chlorotoluene	15.50	91	22735	0.79 ug/L	83
80)	4-Chlorotoluene	15.57	91	21921	0.81 ug/L	71
81)	tert-butylbenzene	16.04	119	22157	0.97 ug/L #	73
82)	1,2,4-Trimethylbenzene	16.11	105	27304	1.02 ug/L	77
83)	Diisobutylketone	15.20	57	93436	5.33 ug/L #	77
84)	sec-butylbenzene	16.37	105	34438	1.02 ug/L	89
85)	p-isopropyltoluene	16.60	119	28305	0.99 ug/L	82
86)	1,3-Dichlorobenzene	16.72	146	12831	0.87 ug/L #	80
88)	1,4-Dichlorobenzene	16.89	146	13236	1.00 ug/L #	82
89)	n-butylbenzene	17.25	91	25940	0.96 ug/L	79
90)	1,2-Dichlorobenzene	17.46	146	12128	1.02 ug/L #	75
92)	1,2-Dibromo-3-chloropropan	18.70	75	2314	0.71 ug/L	92
94)	1,2,4-Trichlorobenzene	20.10	180	9017	1.07 ug/L	99
95)	Hexachlorobutadiene	20.35	225	4758	0.79 ug/L	97
96)	Naphthalene	20.49	128	22523	1.04 ug/L	98
97)	1,2,3-Trichlorobenzene	20.90	180	8508	1.12 ug/L #	77
98)	1,3,5-Trichlorobenzene	19.09	180	8980	1.02 ug/L	92

(#) = qualifier out of range (m) = manual integration

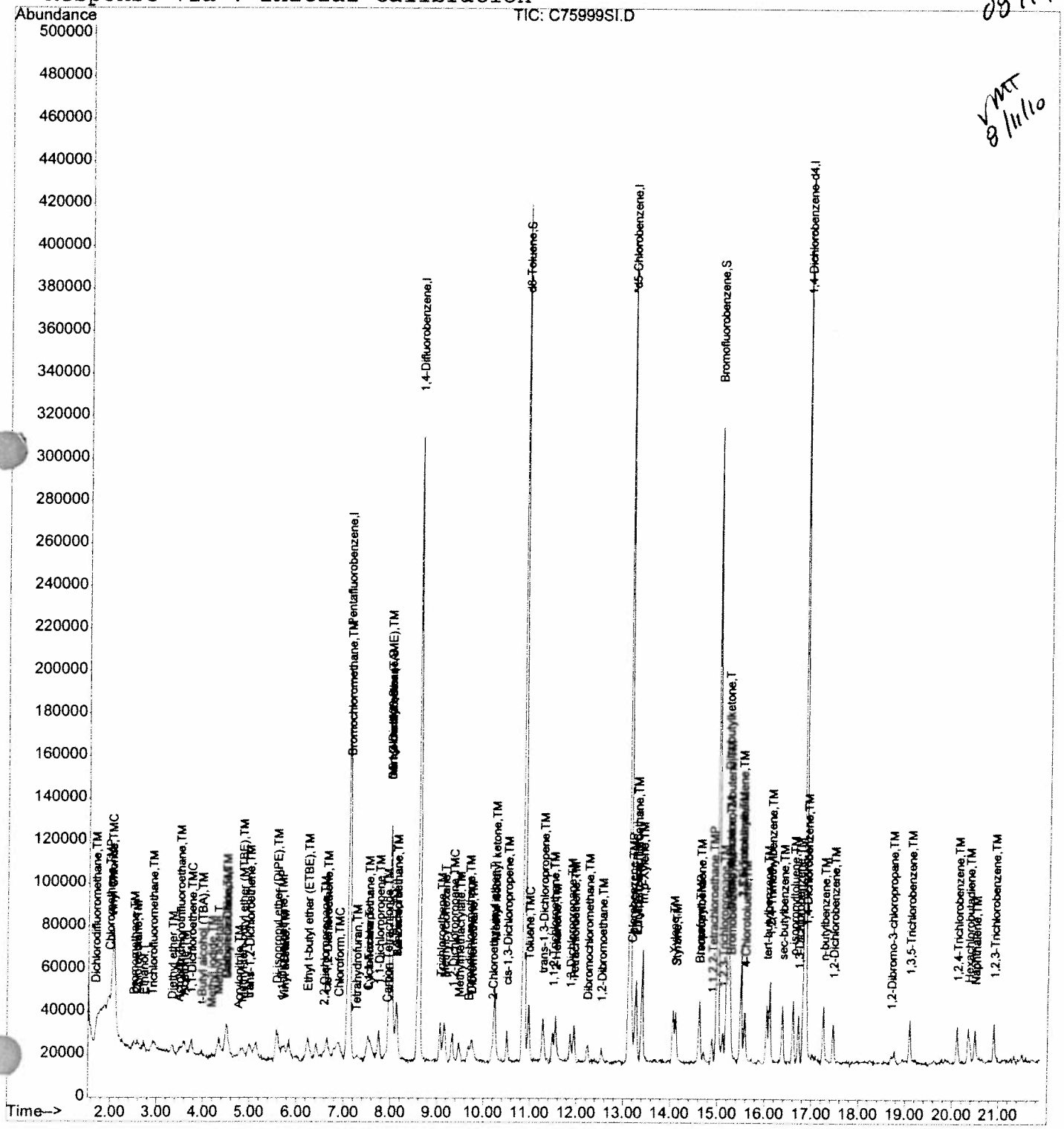
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JR 08/11/10

VMT 8/11/10

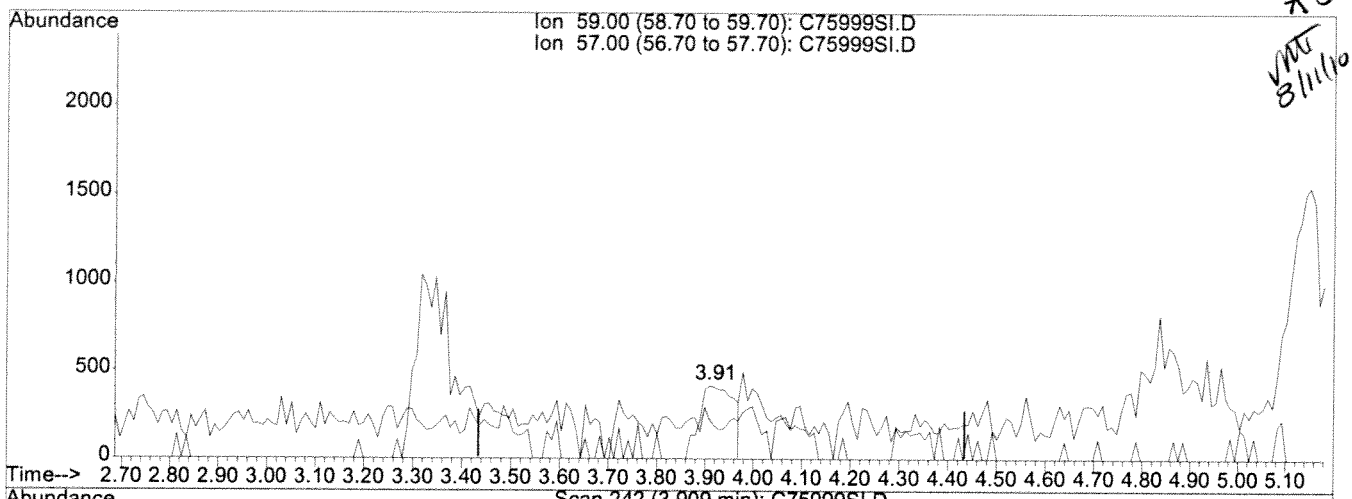


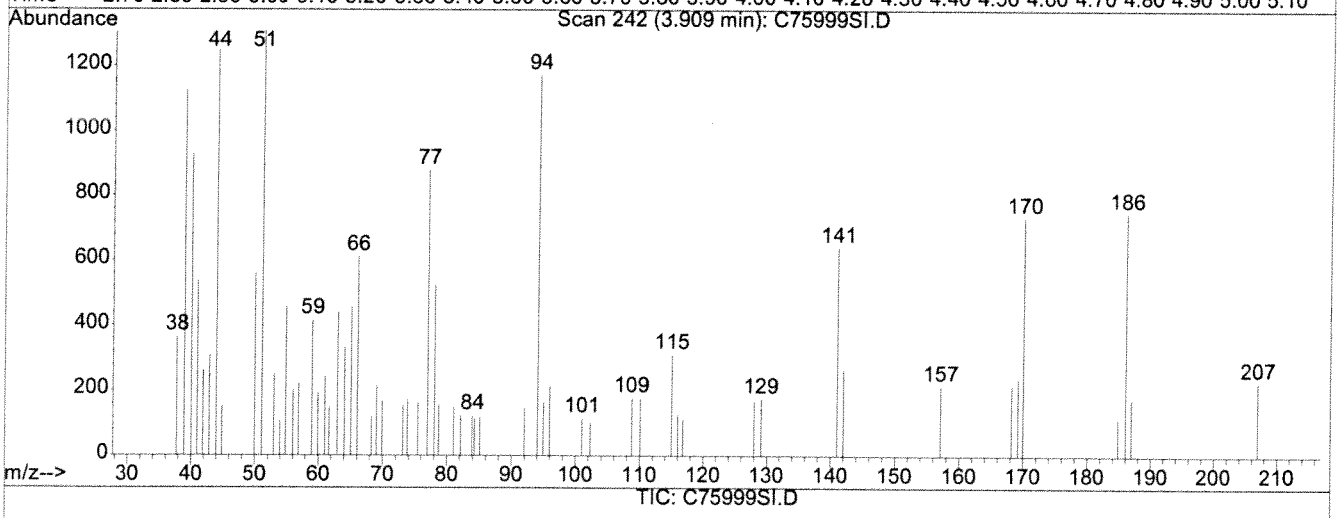
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:14 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

09.11.1'
8/11/10





TIC: C75999SI.D

(7) t-Butyl alcohol (TBA) (TM)

3.91min 4.05ug/L

response 2075

Ion	Exp%	Act%
59.00	100	100
57.00	8.10	7.95
0.00	0.00	0.00
0.00	0.00	0.00

C75999SI.D V808100C.M Tue Aug 10 13:14:50 2010

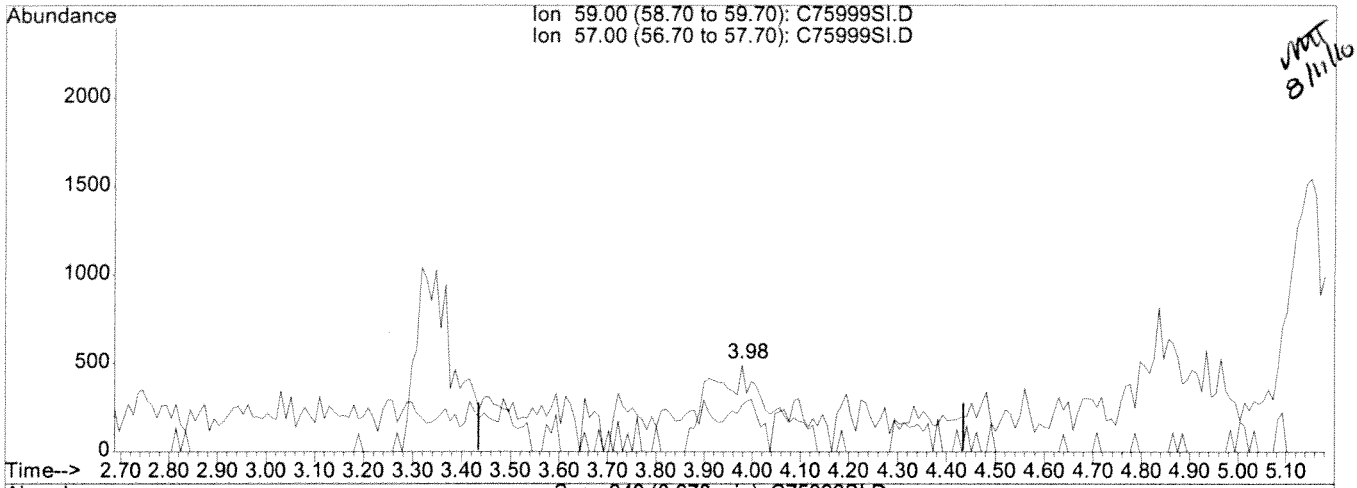
Quantitation Report (Qedit)

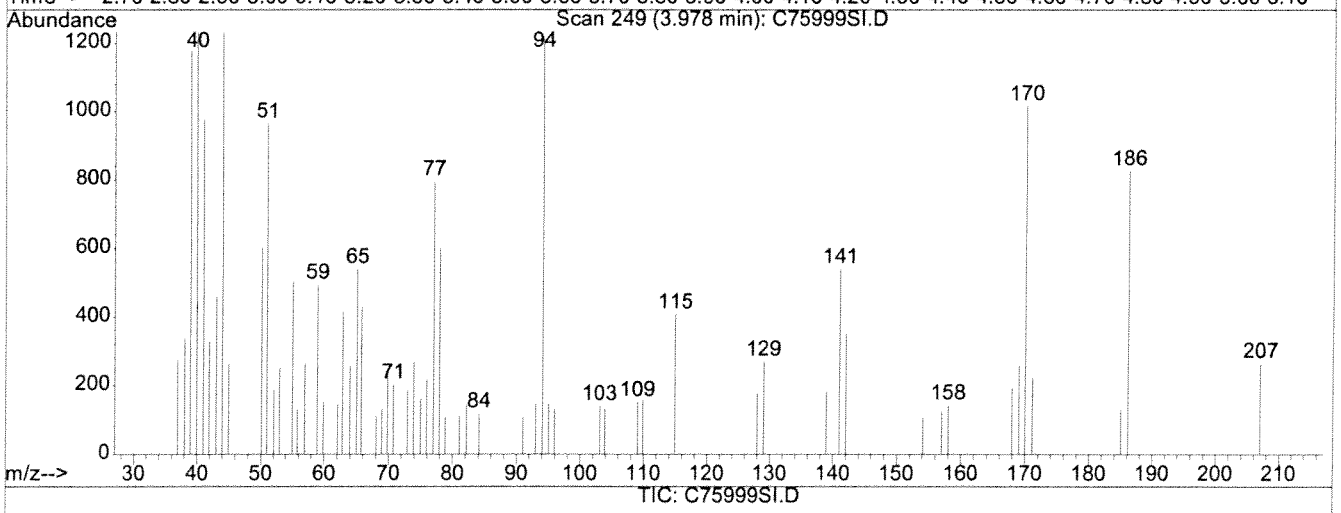
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:14 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK
09.11.10

MT
8/11/10





(7) t-Butyl alcohol (TBA) (TM)

3.98min 8.69ug/L m

response 4448

Ion	Exp%	Act%
59.00	100	100
57.00	8.10	3.71#
0.00	0.00	0.00
0.00	0.00	0.00

C75999SI.D V808100C.M Tue Aug 10 13:14:54 2010

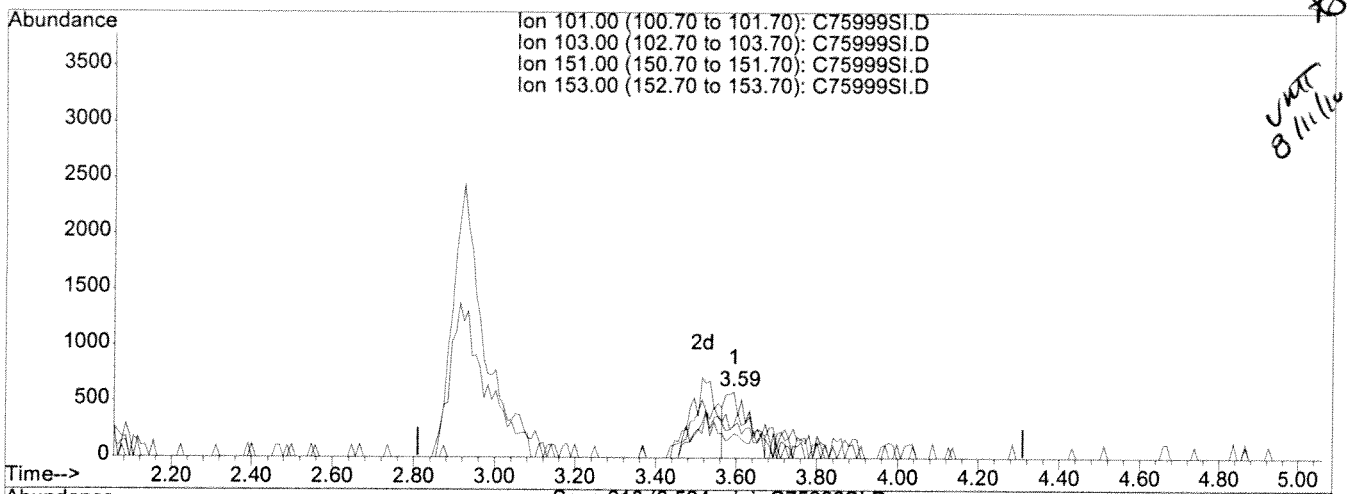
Quantitation Report (Qedit)

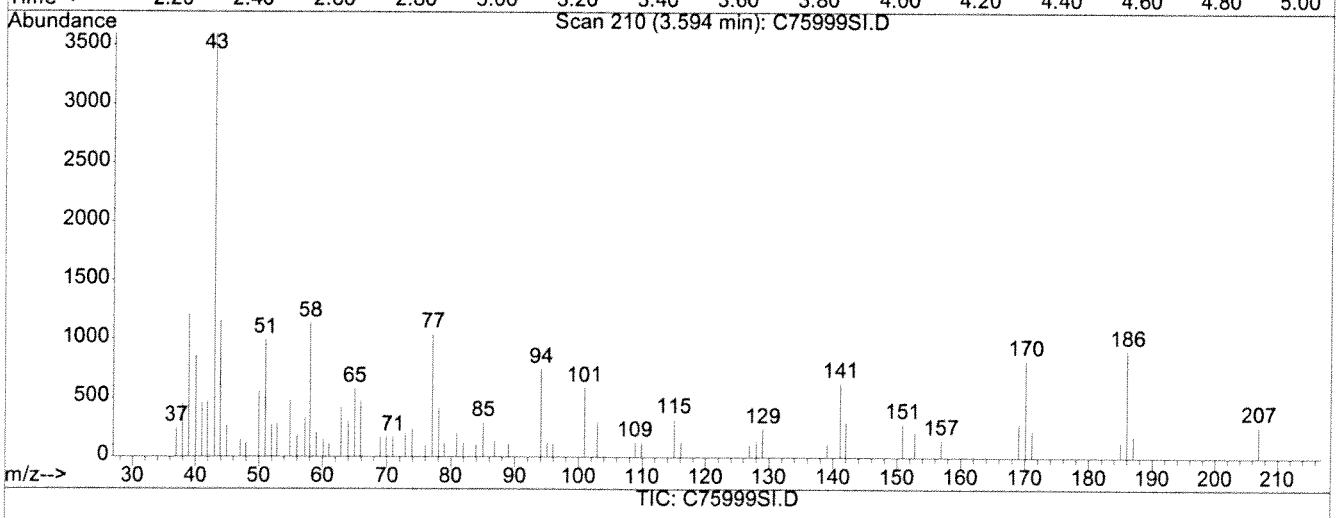
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:14 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08.11.10 TOP

VMT 8/11/10





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.59min 0.37ug/L

response 2526

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	32.90#
151.00	44.60	0.00#
153.00	24.40	0.00#

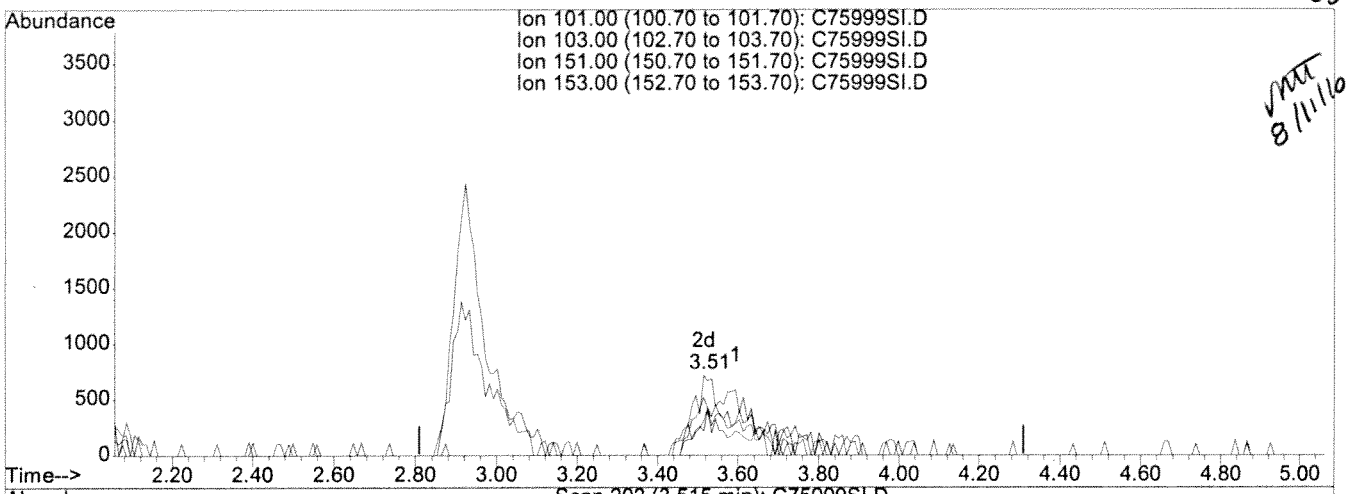
C75999SI.D V808100C.M Tue Aug 10 13:14:58 2010

Quantitation Report (Qedit)

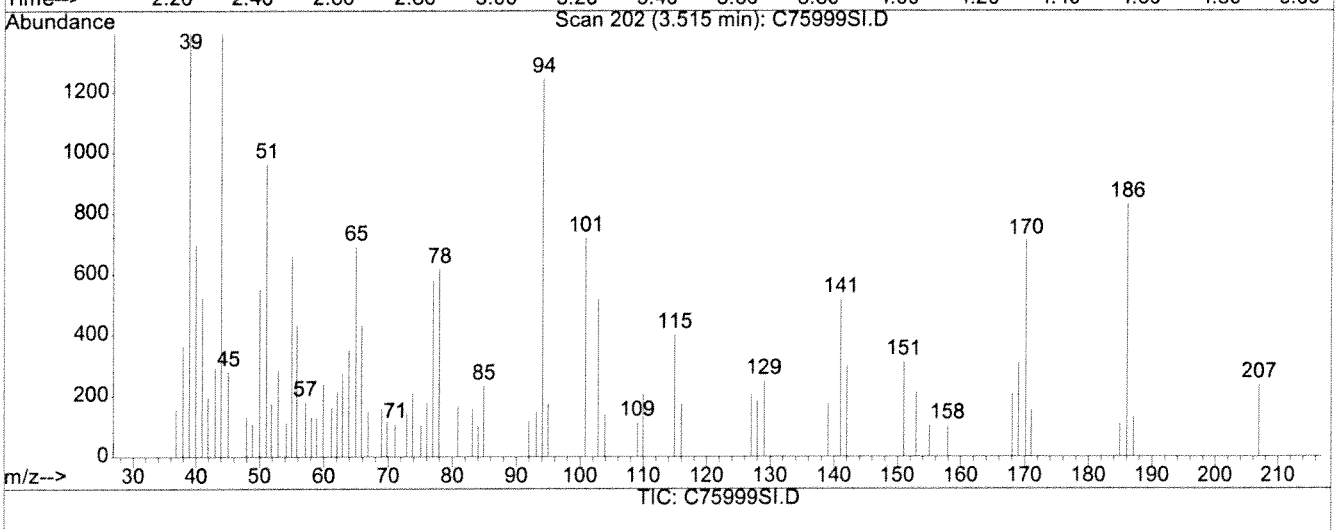
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 09.11.10



MMT 8/11/10



TIC: C75999SI.D

(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.51min 0.96ug/L m

response 6600

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	12.59#
151.00	44.60	0.00#
153.00	24.40	0.00#

C75999SI.D V808100C.M Tue Aug 10 13:15:11 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08.11.10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	201313	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.59	114	385421	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	340024	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	151871	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	149434	20.54 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.70%		
36) d4-1,2-Dichloroethane	7.98	65	150166	20.63 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 103.15%		
54) d8-Toluene	10.84	98	425581	17.76 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 88.80%		
73) Bromofluorobenzene	14.99	95	162485	16.08 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.40%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	14796	1.08 ug/L	95
3) Chloromethane	1.98	50	19678	2.22 ug/L	92
4) Vinyl Chloride	2.02	62	15136	2.25 ug/L	96
5) Bromomethane	2.52	94	7346	1.17 ug/L	90
6) Chloroethane	2.59	64	11576	1.96 ug/L	96
7) t-Butyl alcohol (TBA)	3.95	59	7319	14.08 ug/L #	84
8) Trichlorofluoromethane	2.92	101	20977	1.62 ug/L	100
9) Diethyl ether	3.34	74	6224	1.71 ug/L	89
10) 1,1,2-Trichlorotrifluoroet	3.54	101	13419m	1.92 ug/L	
11) Acrolein	3.47	56	5209	8.08 ug/L #	68
12) Acetone	3.58	43	31342	10.88 ug/L #	80
13) 1,1-Dichloroethene	3.76	96	13389	2.03 ug/L #	88
14) Methyl iodide	4.21	142	8450	1.14 ug/L #	51
15) Di-isopropyl ether (DIPE)	5.58	45	57168	2.37 ug/L #	86
16) Methylene Chloride	4.50	84	21759	1.96 ug/L #	83
17) Carbon Disulfide	4.47	76	42861	1.81 ug/L	98
18) Acrylonitrile	4.73	53	6788	2.43 ug/L #	80
19) Methyl-tert-butyl ether (M	4.86	73	23557	1.35 ug/L #	77
20) trans-1,2-Dichloroethene	4.99	61	21851	2.26 ug/L	79
21) 1,1-Dichloroethane	5.69	63	26125	2.15 ug/L	94
22) Vinyl acetate	5.73	43	19956	1.65 ug/L #	94
23) Methyl ethyl ketone	6.41	72	6350	3.43 ug/L #	88
24) Ethyl t-butyl ether (ETBE)	6.24	59	42465	2.02 ug/L #	83
25) 2,2-Dichloropropane	6.61	77	13234	1.54 ug/L	100
26) cis-1,2-Dichloroethene	6.64	96	15707	1.99 ug/L #	85
27) t-Amyl methyl ether (TAME)	7.97	73	36551	1.89 ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JR 08.01.10
VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	24420	1.65 ug/L	99
30)	Bromochloromethane	7.11	128	7595	0.76 ug/L #	74
31)	Tetrahydrofuran	7.26	71	2735m	3.20 ug/L	
32)	1,1,1-Trichloroethane	7.51	97	18179	1.48 ug/L	83
33)	Ethanol	2.72	45	12258	109.18 ug/L #	83
34)	1,1-Dichloropropene	7.74	75	20134	1.96 ug/L	97
35)	Carbon Tetrachloride	7.90	119	10974	1.69 ug/L	94
37)	1,2-Dichloroethane	8.13	62	17543	1.83 ug/L	90
38)	Benzene	8.12	78	48351	1.82 ug/L	96
40)	Trichloroethene	9.06	95	16346	1.63 ug/L #	26
41)	1,2-Dichloropropane	9.33	63	13524	1.77 ug/L	90
42)	Methylmethacrylate	9.47	69	11377	2.06 ug/L #	76
43)	Methyl acetate	4.31	43	21584	2.41 ug/L #	96
44)	Cyclohexane	7.54	56	23766	2.06 ug/L #	69
45)	Bromodichloromethane	9.68	83	16255	1.40 ug/L	99
46)	Dibromomethane	9.75	93	11669	1.74 ug/L #	77
47)	1,4-Dioxane	9.75	88	4356	6.96 ug/L #	64
48)	Methylcyclohexane	9.16	83	20637	1.47 ug/L #	80
50)	2-Chloroethylvinyl ether	10.17	63	7454	1.75 ug/L #	81
51)	2-Hexanone	11.54	58	26876	9.44 ug/L	81
52)	Methyl isobutyl ketone	10.23	58	28281	9.40 ug/L #	71
53)	cis-1,3-Dichloropropene	10.50	75	21655	1.64 ug/L	98
55)	Toluene	10.97	92	31694	1.62 ug/L #	79
56)	trans-1,3-Dichloropropene	11.26	75	19649	1.51 ug/L	90
58)	1,1,2-Trichloroethane	11.48	83	10044	1.52 ug/L	97
59)	1,3-Dichloropropane	11.86	76	21711	1.66 ug/L	93
60)	Tetrachloroethene	11.94	166	14307	1.79 ug/L	84
61)	Dibromochloromethane	12.23	129	13692	1.38 ug/L	87
62)	1,2-Dibromoethane	12.53	107	14011	1.72 ug/L	84
64)	Chlorobenzene	13.18	112	35489	1.98 ug/L #	81
65)	1,1,1,2-Tetrachloroethane	13.25	131	11790	1.44 ug/L	87
66)	Ethylbenzene	13.28	91	55692	1.51 ug/L	88
67)	m,p-Xylene	13.40	106	45032	3.86 ug/L #	49
68)	o-Xylene	14.06	106	22399	1.96 ug/L #	51
69)	Styrene	14.11	104	36793	1.80 ug/L	78
70)	Bromoform	14.60	173	6543	1.34 ug/L	91
71)	Isopropylbenzene	14.62	105	58688	1.87 ug/L	90
72)	1,1,2,2-Tetrachloroethane	14.88	83	17007	1.61 ug/L	95
74)	1,2,3-Trichloropropane	15.10	75	12985	1.71 ug/L #	86
75)	trans-1,4-Dichloro-2-buten	15.24	89	4529	1.44 ug/L #	26
76)	n-Propylbenzene	15.24	91	68692	1.55 ug/L	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JR 08.11.10
VMT 3/11/10

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77)	Bromobenzene	15.27	156	12373	1.60	ug/L	#	85
78)	1,3,5-Trimethylbenzene	15.50	105	47109	1.85	ug/L		86
79)	2-Chlorotoluene	15.50	91	41778	1.45	ug/L		68
80)	4-Chlorotoluene	15.57	91	38454	1.43	ug/L		59
81)	tert-butylbenzene	16.04	119	40743	1.79	ug/L	#	77
82)	1,2,4-Trimethylbenzene	16.10	105	48187	1.80	ug/L		88
83)	Diisobutylketone	15.19	57	174614	9.96	ug/L	#	78
84)	sec-butylbenzene	16.37	105	64346	1.90	ug/L		88
85)	p-isopropyltoluene	16.60	119	50224	1.75	ug/L		82
86)	1,3-Dichlorobenzene	16.72	146	24843	1.69	ug/L	#	75
88)	1,4-Dichlorobenzene	16.89	146	24790	1.87	ug/L	#	81
89)	n-butylbenzene	17.24	91	47346	1.76	ug/L		82
90)	1,2-Dichlorobenzene	17.45	146	22787	1.92	ug/L	#	80
92)	1,2-Dibromo-3-chloropropan	18.70	75	3596	1.62	ug/L		96
94)	1,2,4-Trichlorobenzene	20.10	180	17129	2.03	ug/L		94
95)	Hexachlorobutadiene	20.35	225	8712	1.45	ug/L		98
96)	Naphthalene	20.49	128	42263	1.94	ug/L		98
97)	1,2,3-Trichlorobenzene	20.90	180	14887	1.97	ug/L		82
98)	1,3,5-Trichlorobenzene	19.09	180	19122	2.17	ug/L		96

(#) = qualifier out of range (m) = manual integration

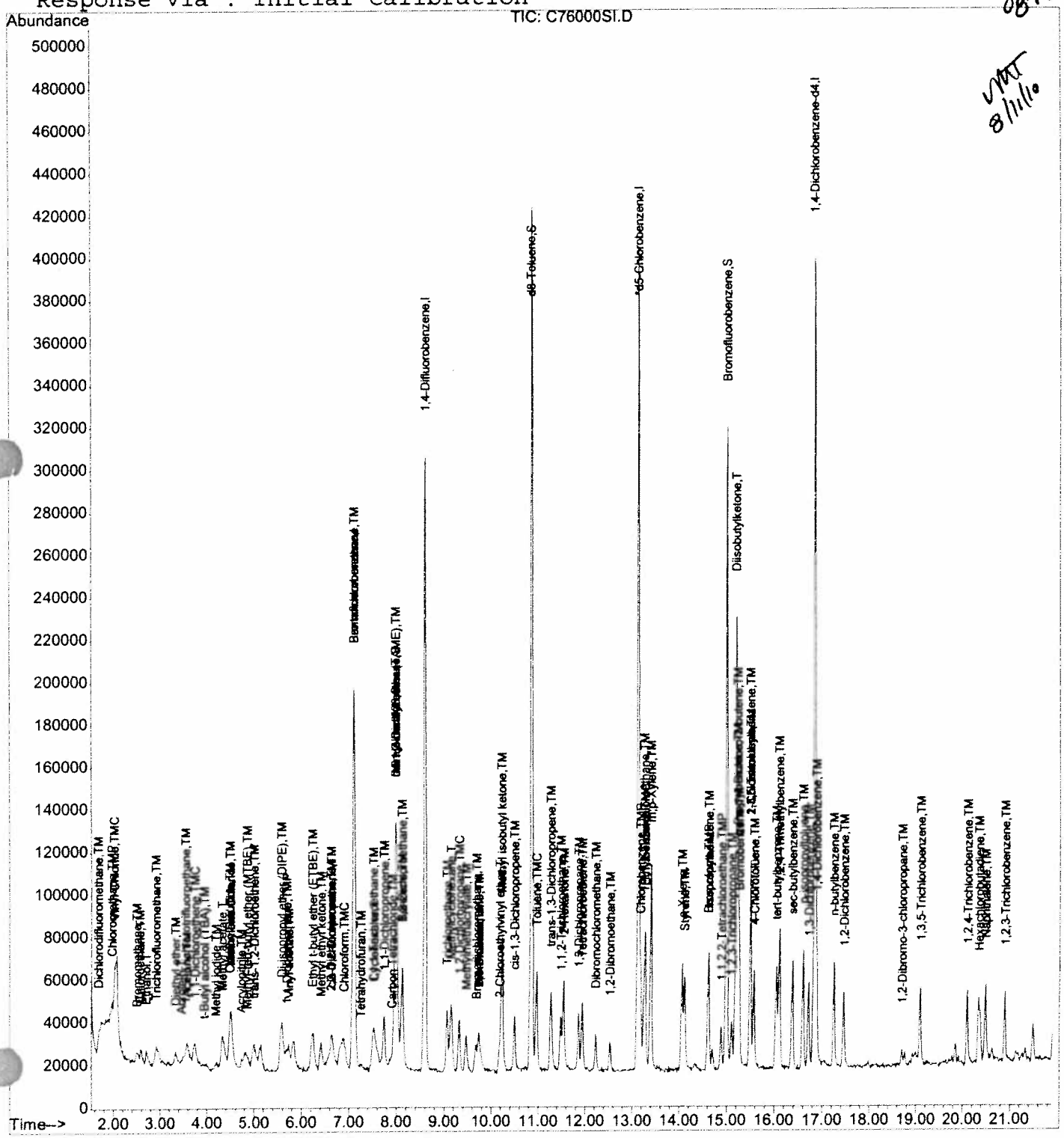
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JK 08.11.11

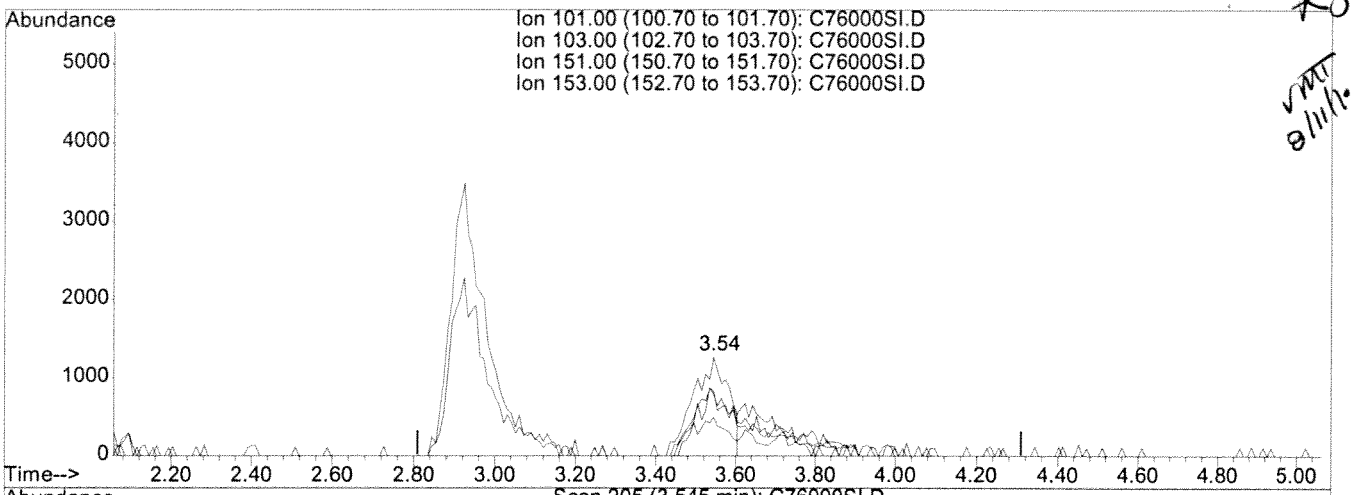
VMT 8/11/10

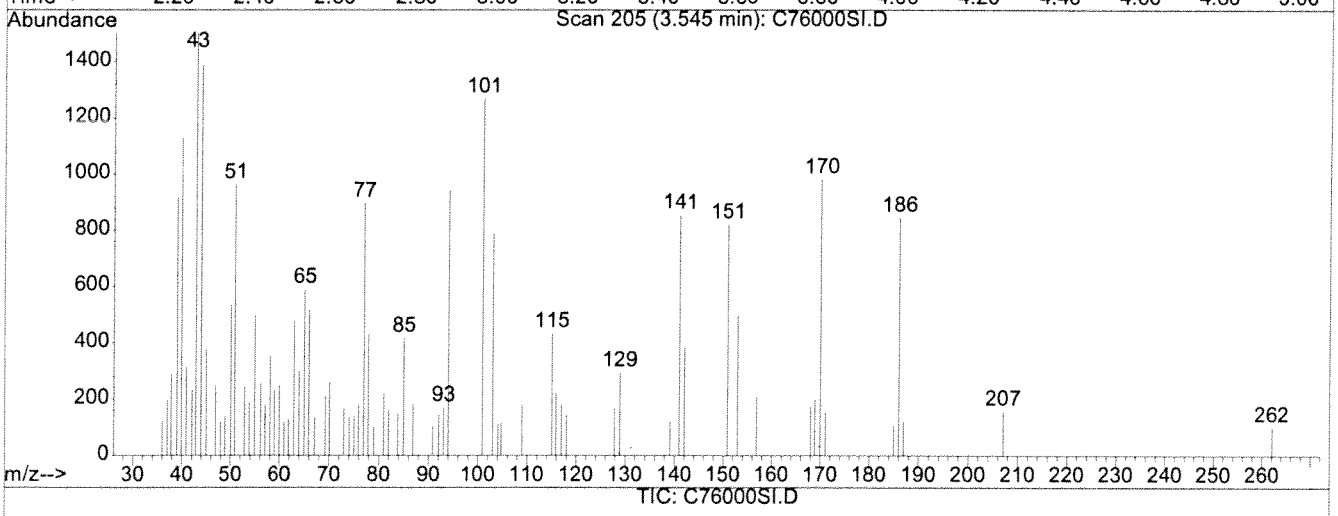


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:32 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.54min 1.12ug/L

response 7842

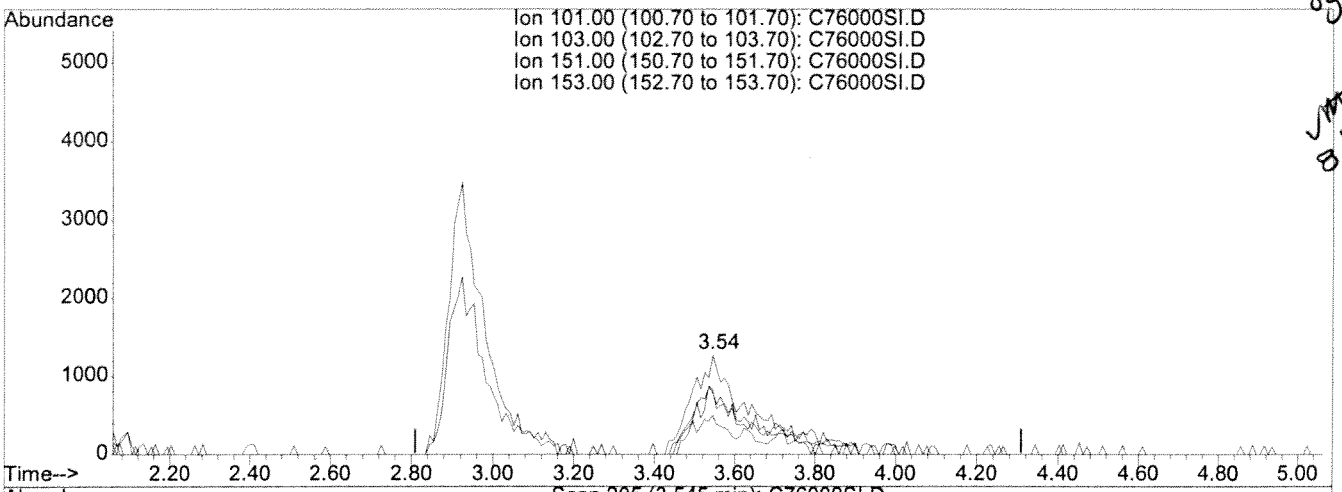
Ion	Exp%	Act%
101.00	100	100
103.00	57.00	80.57#
151.00	44.60	70.07#
153.00	24.40	22.63

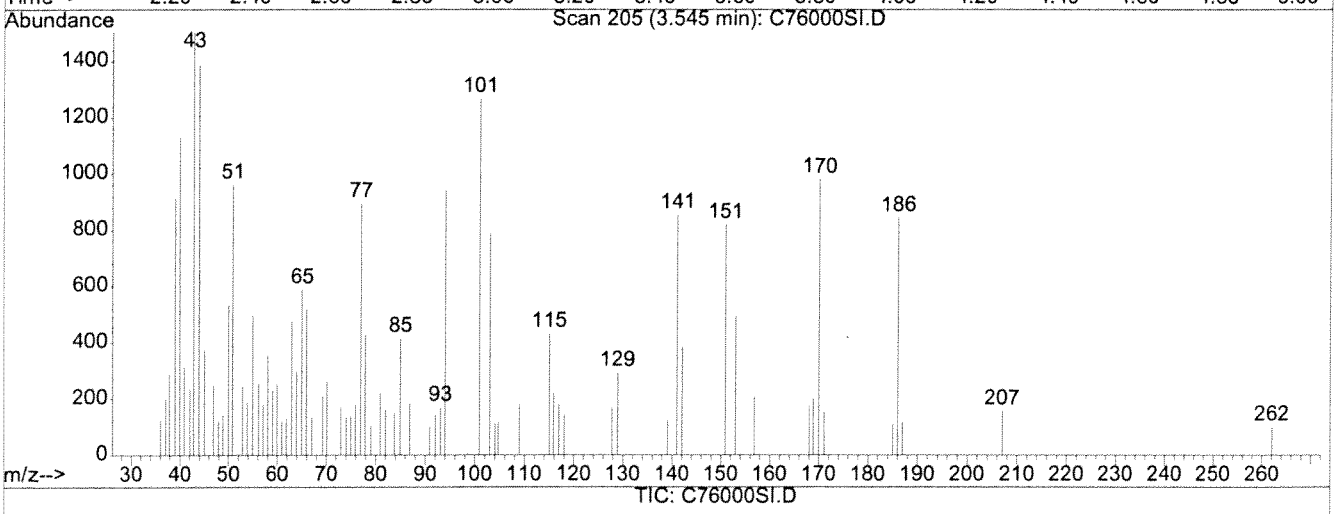
C76000SI.D V808100C.M Tue Aug 10 13:32:37 2010

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:32 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





TIC: C76000SI.D

(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.54min 1.92ug/L m

response 13419

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	47.08
151.00	44.60	40.95
153.00	24.40	13.23#

C76000SI.D V808100C.M Tue Aug 10 13:32:51 2010

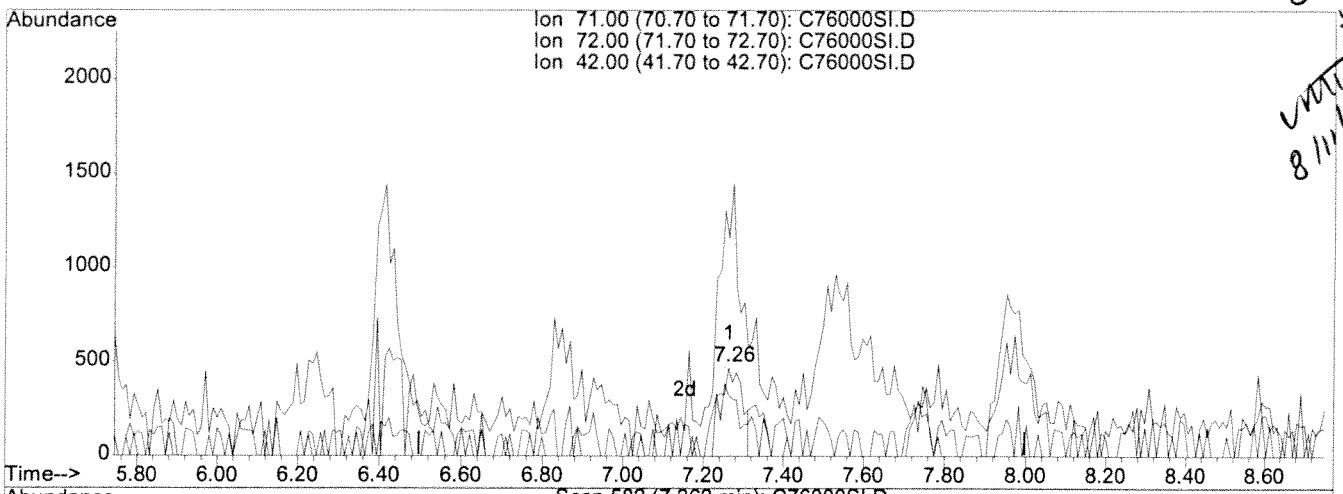
Quantitation Report (Qedit)

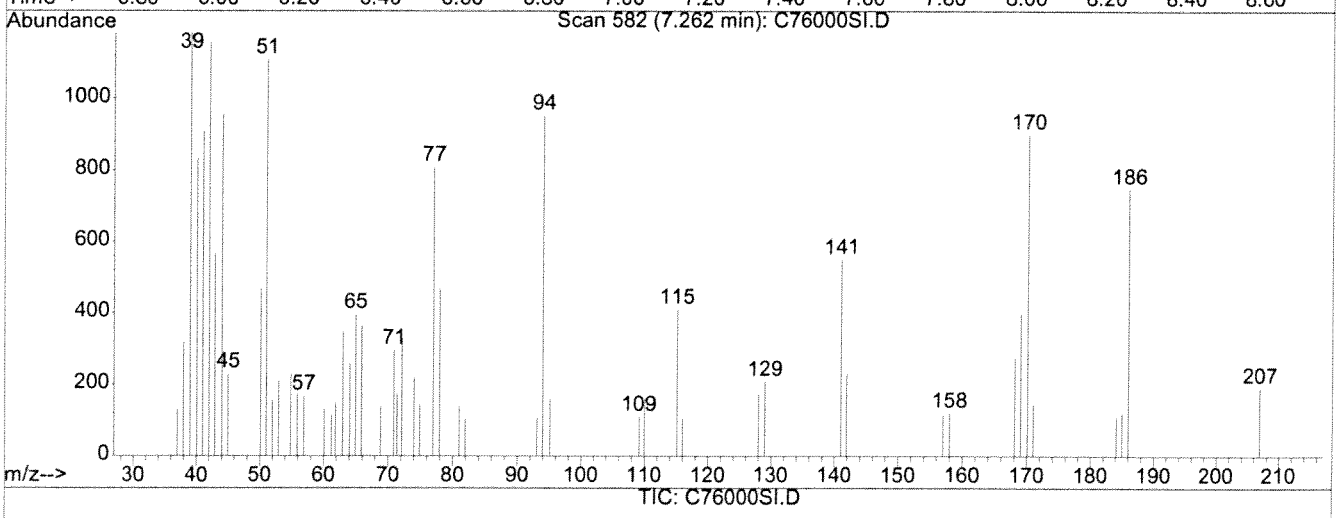
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:32 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 08.11.10 KSP

VMTT 8/11/10





(31) Tetrahydrofuran (TM)

7.26min 2.27ug/L

response 2083

Ion	Exp%	Act%
71.00	100	100
72.00	87.30	60.97#
42.00	272.10	268.75
0.00	0.00	0.00

C76000SI.D V808100C.M Tue Aug 10 13:33:03 2010

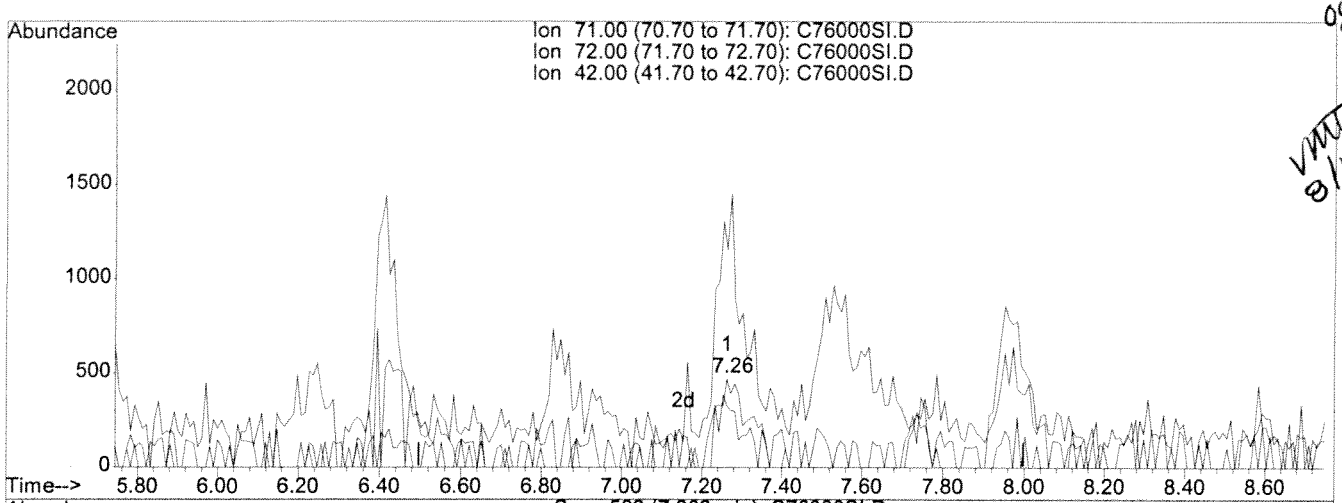
Quantitation Report (Qedit)

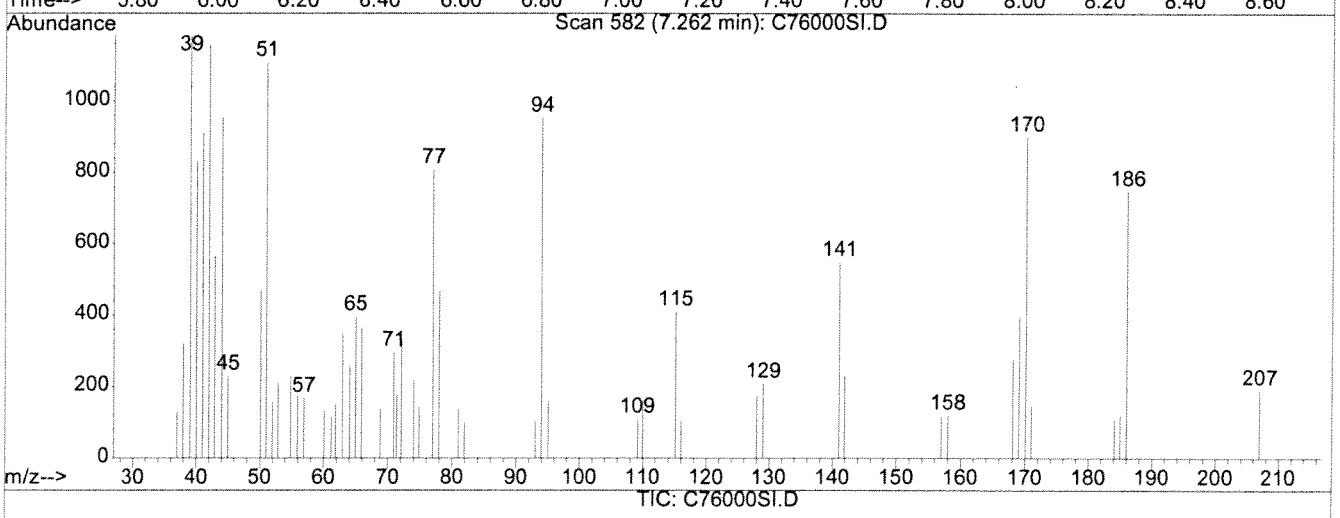
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 09.11.10

VMT 8/11/10





(31) Tetrahydrofuran (TM)

7.26min 3.20ug/L m

response 2735

Ion	Exp%	Act%
71.00	100	100
72.00	87.30	46.44#
42.00	272.10	204.68#
0.00	0.00	0.00

C76000SI.D V808100C.M Tue Aug 10 13:33:08 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08/11/10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	191436	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	377072	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.11	117	326733	20.00 ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	146462	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	7.98	65	146343	21.16 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.80%		
36) d4-1,2-Dichloroethane	7.98	65	146343	21.14 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 105.70%		
54) d8-Toluene	10.85	98	413991	17.66 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 88.30%		
73) Bromofluorobenzene	14.99	95	155961	16.06 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.30%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.69	85	34899	3.79 ug/L	96
3) Chloromethane	1.97	50	51355	6.33 ug/L	96
4) Vinyl Chloride	2.02	62	36194	5.66 ug/L	92
5) Bromomethane	2.50	94	20284	3.39 ug/L	94
6) Chloroethane	2.59	64	28010	6.00 ug/L	92
7) t-Butyl alcohol (TBA)	3.94	59	17231	34.86 ug/L #	90
8) Trichlorofluoromethane	2.91	101	54024	4.40 ug/L	98
9) Diethyl ether	3.32	74	13244	3.83 ug/L	89
10) 1,1,2-Trichlorotrifluoroet	3.52	101	28298m	4.27 ug/L	
11) Acrolein	3.48	56	7754	14.94 ug/L #	67
12) Acetone	3.58	43	63883	28.45 ug/L #	81
13) 1,1-Dichloroethene	3.74	96	25742	4.10 ug/L	88
14) Methyl iodide	4.19	142	18608	2.63 ug/L #	39
15) Di-isopropyl ether (DIPE)	5.58	45	121006	5.28 ug/L #	85
16) Methylene Chloride	4.51	84	33087	3.78 ug/L #	74
17) Carbon Disulfide	4.48	76	88956	3.95 ug/L #	91
18) Acrylonitrile	4.72	53	15408	5.81 ug/L #	87
19) Methyl-tert-butyl ether (M	4.84	73	69083	4.16 ug/L	99
20) trans-1,2-Dichloroethene	4.99	61	42711	4.64 ug/L	87
21) 1,1-Dichloroethane	5.69	63	54200	4.69 ug/L	90
22) Vinyl acetate	5.73	43	49691	4.31 ug/L #	93
23) Methyl ethyl ketone	6.40	72	15588	19.67 ug/L #	94
24) Ethyl t-butyl ether (ETBE)	6.23	59	89051	4.45 ug/L #	80
25) 2,2-Dichloropropane	6.60	77	33253	4.06 ug/L	97
26) cis-1,2-Dichloroethene	6.65	96	30585	4.08 ug/L	86
27) t-Amyl methyl ether (TAME)	7.97	73	72899	3.97 ug/L	90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.89	83	49918	3.56 ug/L	94
30)	Bromochloromethane	7.13	128	15532	3.59 ug/L #	86
31)	Tetrahydrofuran	7.26	71	5489	7.51 ug/L	82
32)	1,1,1-Trichloroethane	7.51	97	40362	3.46 ug/L #	78
33)	Ethanol	2.71	45	28901	338.84 ug/L #	90
34)	1,1-Dichloropropene	7.74	75	39235	4.02 ug/L	93
35)	Carbon Tetrachloride	7.89	119	23214	3.76 ug/L	99
37)	1,2-Dichloroethane	8.12	62	42684	4.68 ug/L	99
38)	Benzene	8.12	78	102632	4.07 ug/L	97
40)	Trichloroethene	9.06	95	33611	3.42 ug/L #	44
41)	1,2-Dichloropropane	9.33	63	29921	4.01 ug/L	99
42)	Methylmethacrylate	9.47	69	22646	4.19 ug/L #	80
43)	Methyl acetate	4.31	43	38872	4.44 ug/L #	91
44)	Cyclohexane	7.54	56	50606	4.49 ug/L #	70
45)	Bromodichloromethane	9.67	83	33909	2.98 ug/L	99
46)	Dibromomethane	9.73	93	23222	3.55 ug/L #	80
47)	1,4-Dioxane	9.73	88	10059	71.51 ug/L #	75
48)	Methylcyclohexane	9.15	83	44379	3.24 ug/L #	82
50)	2-Chloroethylvinyl ether	10.18	63	16489	3.96 ug/L	91
51)	2-Hexanone	11.54	58	61152	21.96 ug/L	76
52)	Methyl isobutyl ketone	10.23	58	64623	21.95 ug/L #	64
53)	cis-1,3-Dichloropropene	10.50	75	44726	3.46 ug/L	96
55)	Toluene	10.96	92	64483	3.37 ug/L	87
56)	trans-1,3-Dichloropropene	11.26	75	41479	3.27 ug/L	88
58)	1,1,2-Trichloroethane	11.48	83	20834	3.22 ug/L	96
59)	1,3-Dichloropropane	11.86	76	43036	3.37 ug/L	96
60)	Tetrachloroethene	11.94	166	36401	4.66 ug/L	94
61)	Dibromochloromethane	12.23	129	28362	2.91 ug/L	98
62)	1,2-Dibromoethane	12.53	107	30015	3.77 ug/L	99
64)	Chlorobenzene	13.17	112	74063	4.31 ug/L	86
65)	1,1,1,2-Tetrachloroethane	13.25	131	26348	3.36 ug/L	95
66)	Ethylbenzene	13.27	91	117180	3.31 ug/L	81
67)	m,p-Xylene	13.39	106	94234	8.40 ug/L #	54
68)	o-Xylene	14.05	106	46837	4.27 ug/L #	50
69)	Styrene	14.11	104	81579	4.15 ug/L	73
70)	Bromoform	14.59	173	15372	3.27 ug/L	100
71)	Isopropylbenzene	14.61	105	121480	4.03 ug/L	90
72)	1,1,2,2-Tetrachloroethane	14.88	83	35172	3.47 ug/L	95
74)	1,2,3-Trichloropropane	15.11	75	27158	3.73 ug/L	96
75)	trans-1,4-Dichloro-2-buten	15.23	89	8939	2.96 ug/L #	37
76)	n-Propylbenzene	15.23	91	141389	3.32 ug/L	88

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

VL 08·11·10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	27899	3.76 ug/L #	76
78)	1,3,5-Trimethylbenzene	15.49	105	98322	4.02 ug/L	84
79)	2-Chlorotoluene	15.49	91	90789	3.28 ug/L	67
80)	4-Chlorotoluene	15.58	91	81217	3.14 ug/L	73
81)	tert-butylbenzene	16.04	119	82992	3.79 ug/L #	74
82)	1,2,4-Trimethylbenzene	16.10	105	102295	3.98 ug/L	85
83)	Diisobutylketone	15.19	57	360503	21.40 ug/L #	80
84)	sec-butylbenzene	16.38	105	135212	4.16 ug/L	87
85)	p-isopropyltoluene	16.60	119	104666	3.80 ug/L	83
86)	1,3-Dichlorobenzene	16.71	146	48912	3.47 ug/L #	83
88)	1,4-Dichlorobenzene	16.88	146	51429	4.03 ug/L #	83
89)	n-butylbenzene	17.25	91	100866	3.89 ug/L	67
90)	1,2-Dichlorobenzene	17.45	146	46677	4.07 ug/L #	82
92)	1,2-Dibromo-3-chloropropan	18.71	75	7238	4.41 ug/L	86
94)	1,2,4-Trichlorobenzene	20.11	180	36632	4.50 ug/L	98
95)	Hexachlorobutadiene	20.35	225	17165	2.97 ug/L	99
96)	Naphthalene	20.49	128	91457	4.36 ug/L	99
97)	1,2,3-Trichlorobenzene	20.89	180	31991	4.38 ug/L	85
98)	1,3,5-Trichlorobenzene	19.09	180	37894	4.46 ug/L	99

(#) = qualifier out of range (m) = manual integration

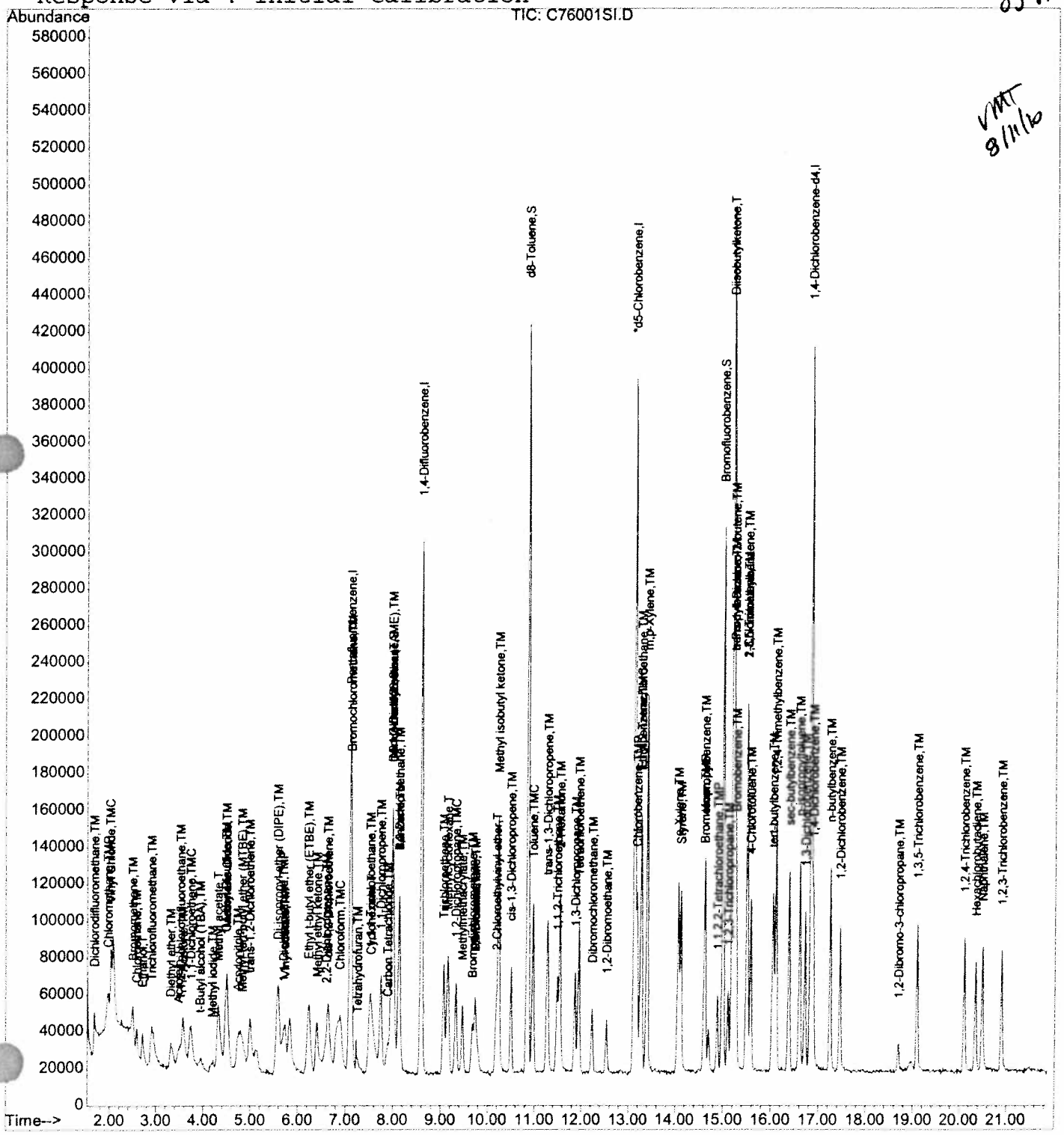
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

SL 09.11.10

VMT 8/11/10



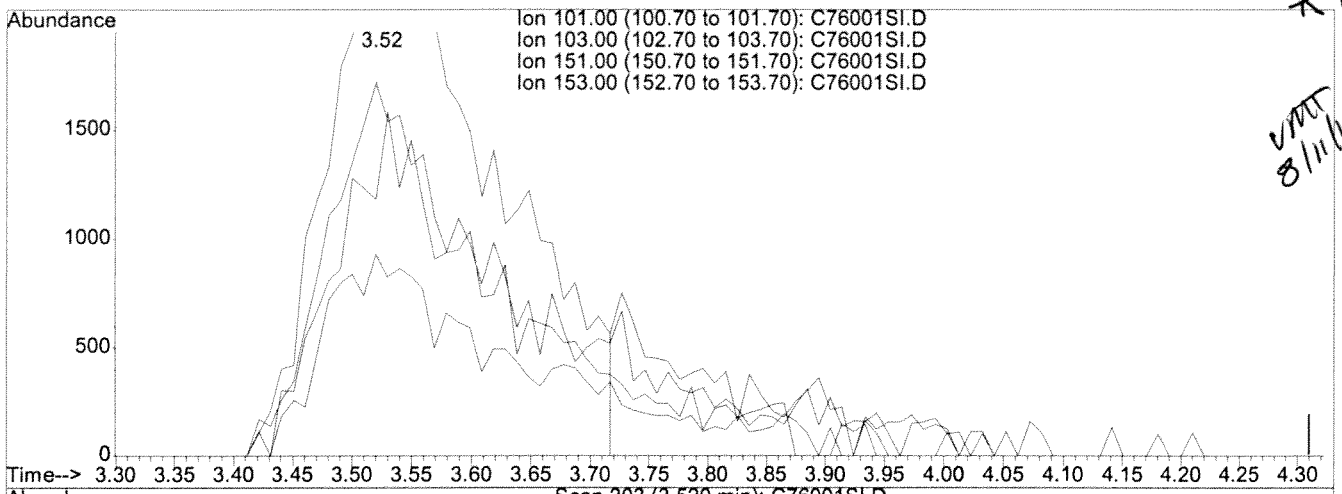
Quantitation Report (Qedit)

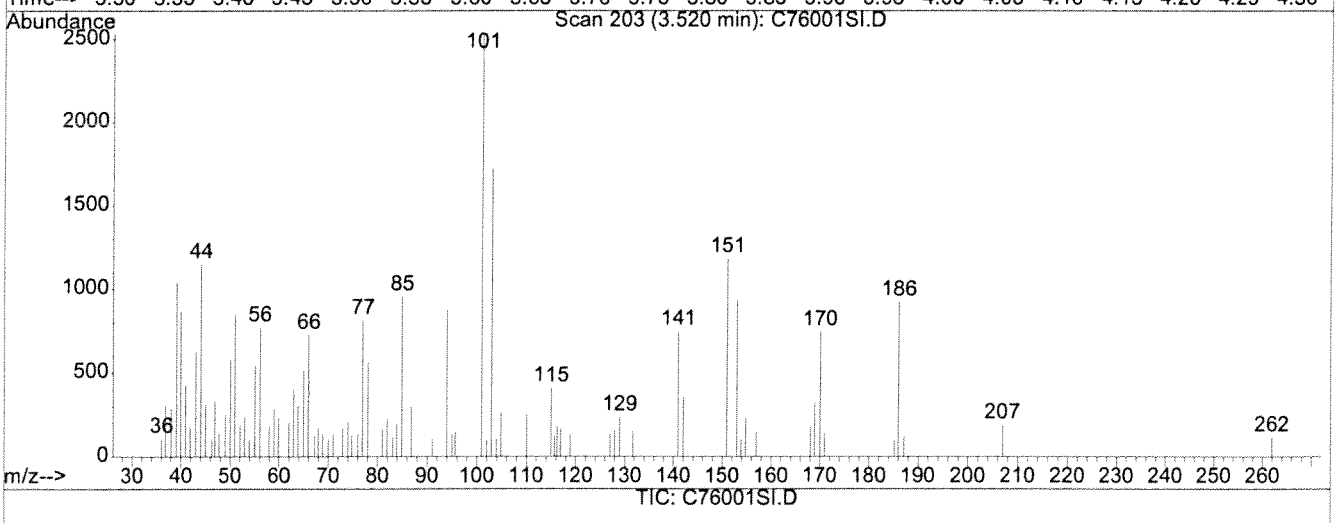
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 03-11-12 *Tailing

VMT 8/11/10





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.52min 3.63ug/L

response 24082

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	57.93
151.00	44.60	35.84
153.00	24.40	22.02

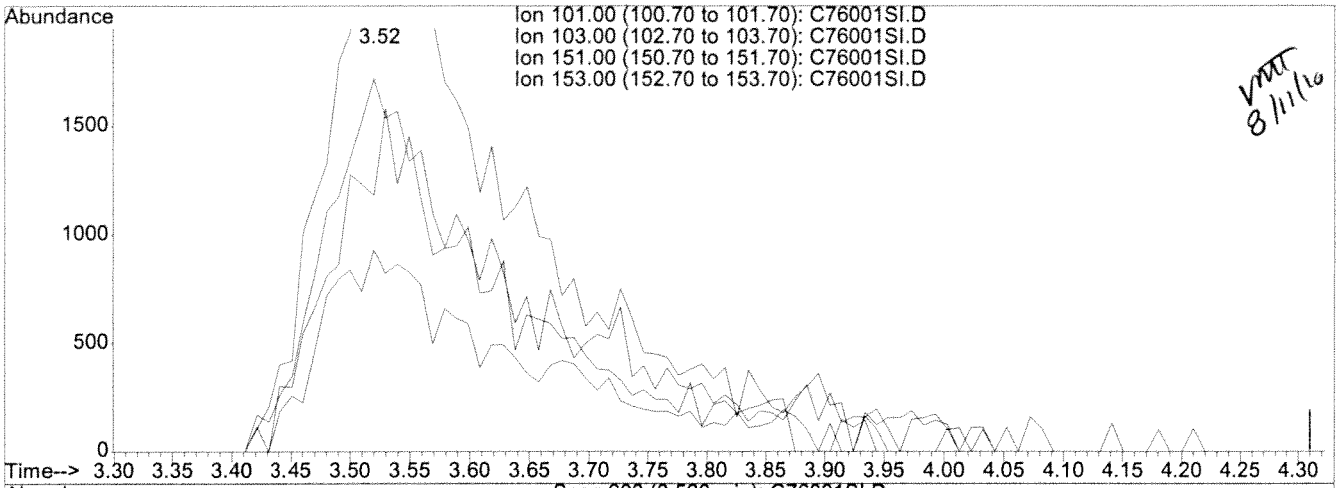
C76001SI.D V808100C.M Tue Aug 10 14:03:43 2010

Quantitation Report (Qedit)

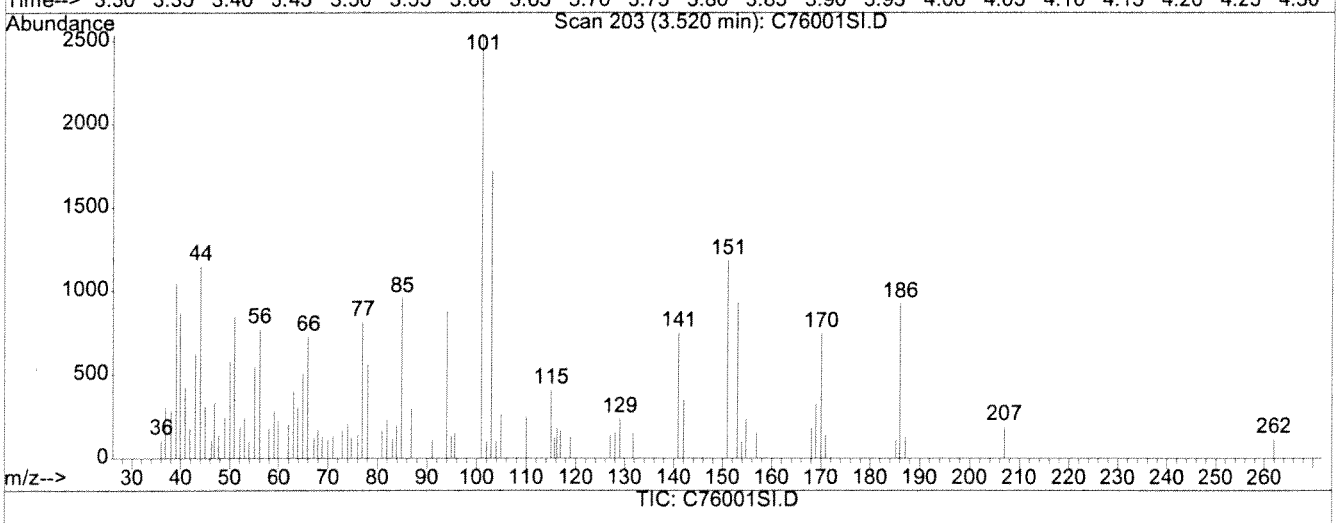
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08.11.10



VMT 8/11/10



TIC: C76001SI.D

(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.52min 4.27ug/L m

response 28298

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	49.30
151.00	44.60	30.50#
153.00	24.40	18.74#

C76001SI.D V808100C.M Tue Aug 10 14:03:48 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

08-11-10 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	196981	20.00 ug/L	-0.02
39) 1,4-Difluorobenzene	8.59	114	387499	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	343169	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	149841	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	7.98	65	156525	21.99 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 109.95%		
36) d4-1,2-Dichloroethane	7.98	65	156692	22.00 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 110.00%		
54) d8-Toluene	10.85	98	430548	17.87 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 89.35%		
73) Bromofluorobenzene	14.99	95	163609	16.04 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.20%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	143775	17.44 ug/L	99
3) Chloromethane	1.97	50	194977	25.21 ug/L	95
4) Vinyl Chloride	2.02	62	142166	21.60 ug/L	95
5) Bromomethane	2.49	94	114196	18.54 ug/L	95
6) Chloroethane	2.59	64	108977	24.54 ug/L	89
7) t-Butyl alcohol (TBA)	3.92	59	60998	119.92 ug/L #	89
8) Trichlorofluoromethane	2.90	101	229734	18.18 ug/L	97
9) Diethyl ether	3.32	74	70160	19.70 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.52	101	125850	18.44 ug/L #	90
11) Acrolein	3.46	56	41435	94.63 ug/L	97
12) Acetone	3.56	43	264926	128.30 ug/L #	81
13) 1,1-Dichloroethene	3.74	96	116593	18.03 ug/L	86
14) Methyl iodide	4.18	142	123337	16.95 ug/L #	40
15) Di-isopropyl ether (DIPE)	5.58	45	567076	24.04 ug/L #	85
16) Methylene Chloride	4.50	84	136672	18.39 ug/L #	72
17) Carbon Disulfide	4.48	76	416926	17.99 ug/L	100
18) Acrylonitrile	4.72	53	64777	23.73 ug/L	96
19) Methyl-tert-butyl ether (M	4.82	73	300829	17.61 ug/L #	90
20) trans-1,2-Dichloroethene	4.99	61	199923	21.10 ug/L	88
21) 1,1-Dichloroethane	5.68	63	243519	20.46 ug/L	94
22) Vinyl acetate	5.73	43	258759	21.83 ug/L #	94
23) Methyl ethyl ketone	6.39	72	69867	108.64 ug/L	94
24) Ethyl t-butyl ether (ETBE)	6.23	59	423941	20.58 ug/L #	81
25) 2,2-Dichloropropane	6.58	77	147495	17.52 ug/L	98
26) cis-1,2-Dichloroethene	6.65	96	147166	19.06 ug/L #	86
27) t-Amyl methyl ether (TAME)	7.96	73	336881	17.83 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

VL 08/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	233484	16.17 ug/L	96
30)	Bromochloromethane	7.12	128	65241	19.89 ug/L	88
31)	Tetrahydrofuran	7.24	71	16719	23.57 ug/L	84
32)	1,1,1-Trichloroethane	7.53	97	190754	15.88 ug/L	83
33)	Ethanol	2.71	45	125574	1579.25 ug/L #	90
34)	1,1-Dichloropropene	7.74	75	182766	18.22 ug/L	94
35)	Carbon Tetrachloride	7.89	119	118707	18.69 ug/L	99
37)	1,2-Dichloroethane	8.12	62	182181	19.41 ug/L	97
38)	Benzene	8.13	78	468573	18.05 ug/L	97
40)	Trichloroethene	9.06	95	149187	14.77 ug/L #	48
41)	1,2-Dichloropropane	9.32	63	133791	17.45 ug/L	96
42)	Methylmethacrylate	9.46	69	94259	16.95 ug/L	93
43)	Methyl acetate	4.29	43	188949	21.00 ug/L #	93
44)	Cyclohexane	7.54	56	223845	19.31 ug/L #	76
45)	Bromodichloromethane	9.68	83	162219	13.88 ug/L	97
46)	Dibromomethane	9.74	93	97497	14.49 ug/L #	72
47)	1,4-Dioxane	9.73	88	42691	422.03 ug/L #	67
48)	Methylcyclohexane	9.15	83	200480	14.22 ug/L #	81
50)	2-Chloroethylvinyl ether	10.17	63	72400	16.93 ug/L #	88
51)	2-Hexanone	11.53	58	276769	96.70 ug/L	83
52)	Methyl isobutyl ketone	10.22	58	292632	96.72 ug/L #	65
53)	cis-1,3-Dichloropropene	10.50	75	215178	16.22 ug/L	97
55)	Toluene	10.96	92	301507	15.32 ug/L #	84
56)	trans-1,3-Dichloropropene	11.25	75	200150	15.34 ug/L	91
58)	1,1,2-Trichloroethane	11.47	83	101222	15.22 ug/L	91
59)	1,3-Dichloropropane	11.86	76	204900	15.60 ug/L	97
60)	Tetrachloroethene	11.95	166	136315	17.00 ug/L	92
61)	Dibromochloromethane	12.23	129	141990	14.19 ug/L	92
62)	1,2-Dibromoethane	12.53	107	146001	17.85 ug/L	95
64)	Chlorobenzene	13.18	112	343982	19.06 ug/L	87
65)	1,1,1,2-Tetrachloroethane	13.25	131	121572	14.75 ug/L	97
66)	Ethylbenzene	13.28	91	537996	14.45 ug/L	80
67)	m,p-Xylene	13.39	106	440196	37.35 ug/L #	54
68)	o-Xylene	14.06	106	218381	18.95 ug/L #	50
69)	Styrene	14.10	104	375963	18.22 ug/L	76
70)	Bromoform	14.60	173	84475	17.10 ug/L	94
71)	Isopropylbenzene	14.62	105	559376	17.68 ug/L	92
72)	1,1,2,2-Tetrachloroethane	14.88	83	165463	15.56 ug/L	97
74)	1,2,3-Trichloropropane	15.10	75	123585	16.15 ug/L	94
75)	trans-1,4-Dichloro-2-buten	15.23	89	45928	14.50 ug/L #	60
76)	n-Propylbenzene	15.24	91	653841	14.64 ug/L	87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.11 VMT 8/11/16

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	127198	16.32 ug/L #	83
78)	1,3,5-Trimethylbenzene	15.50	105	448118	17.43 ug/L	82
79)	2-Chlorotoluene	15.50	91	415081	14.29 ug/L	71
80)	4-Chlorotoluene	15.57	91	384436	14.16 ug/L	64
81)	tert-butylbenzene	16.04	119	392986	17.11 ug/L #	73
82)	1,2,4-Trimethylbenzene	16.10	105	471738	17.49 ug/L	86
83)	Diisobutylketone	15.20	57	1651433	93.35 ug/L #	79
84)	sec-butylbenzene	16.37	105	620566	18.17 ug/L	88
85)	p-isopropyltoluene	16.60	119	495420	17.12 ug/L	82
86)	1,3-Dichlorobenzene	16.72	146	226616	15.29 ug/L #	85
88)	1,4-Dichlorobenzene	16.89	146	236401	18.11 ug/L #	83
89)	n-butylbenzene	17.24	91	464552	17.50 ug/L	78
90)	1,2-Dichlorobenzene	17.46	146	216777	18.47 ug/L #	82
92)	1,2-Dibromo-3-chloropropan	18.69	75	27912	19.21 ug/L #	75
94)	1,2,4-Trichlorobenzene	20.10	180	169333	20.33 ug/L	100
95)	Hexachlorobutadiene	20.35	225	81978	13.86 ug/L	96
96)	Naphthalene	20.48	128	420502	19.61 ug/L	99
97)	1,2,3-Trichlorobenzene	20.90	180	150655	20.16 ug/L	82
98)	1,3,5-Trichlorobenzene	19.08	180	177207	20.39 ug/L	99

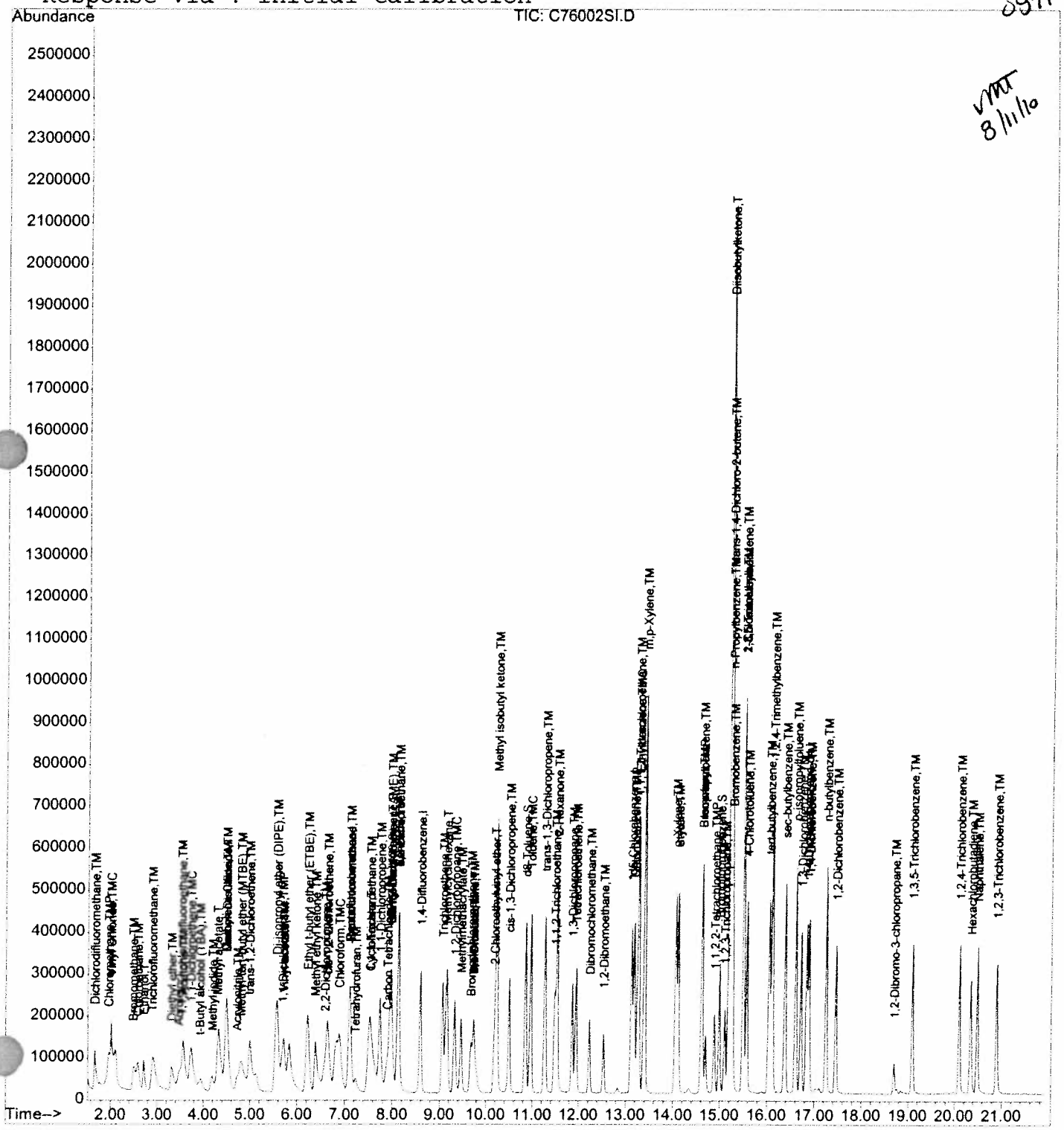
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

CR 08.11.10



VMT 8/11/10

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 09.11.10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	187674	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	375824	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.12	117	333454	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.83	152	146646	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	7.98	65	143104	21.10 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.50%		
36) d4-1,2-Dichloroethane	7.98	65	143104	21.09 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 105.45%		
54) d8-Toluene	10.85	98	413920	17.72 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 88.60%		
73) Bromofluorobenzene	14.99	95	154358	15.57 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 77.85%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	338730	44.24 ug/L	98
3) Chloromethane	1.96	50	475697	80.38 ug/L	98
4) Vinyl Chloride	2.01	62	343484	54.77 ug/L	95
5) Bromomethane	2.47	94	299493	51.03 ug/L	99
6) Chloroethane	2.56	64	271547	65.24 ug/L	96
7) t-Butyl alcohol (TBA)	3.92	59	166906	344.41 ug/L	97
8) Trichlorofluoromethane	2.88	101	542416	45.05 ug/L	98
9) Diethyl ether	3.31	74	155473	45.82 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.50	101	283196	43.56 ug/L #	88
11) Acrolein	3.46	56	100263	246.59 ug/L	98
12) Acetone	3.57	43	606261	314.47 ug/L #	83
13) 1,1-Dichloroethene	3.72	96	267194	43.36 ug/L #	85
14) Methyl iodide	4.17	142	255482	36.85 ug/L #	41
15) Di-isopropyl ether (DIPE)	5.56	45	1294608	57.61 ug/L #	85
16) Methylene Chloride	4.49	84	319013	46.60 ug/L #	74
17) Carbon Disulfide	4.46	76	930786	42.16 ug/L	100
18) Acrylonitrile	4.71	53	154932	59.56 ug/L #	91
19) Methyl-tert-butyl ether (M	4.80	73	725076	44.55 ug/L #	89
20) trans-1,2-Dichloroethene	4.98	61	458643	50.79 ug/L	89
21) 1,1-Dichloroethane	5.68	63	560249	49.40 ug/L	94
22) Vinyl acetate	5.72	43	656395	58.11 ug/L #	93
23) Methyl ethyl ketone	6.39	72	161861	273.96 ug/L	91
24) Ethyl t-butyl ether (ETBE)	6.22	59	976286	49.73 ug/L #	82
25) 2,2-Dichloropropane	6.59	77	358883	44.75 ug/L	99
26) cis-1,2-Dichloroethene	6.64	96	328898	44.70 ug/L #	88
27) t-Amyl methyl ether (TAME)	7.96	73	775075	43.06 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.89	83	525392	38.19 ug/L	100
30)	Bromochloromethane	7.12	128	146622	49.21 ug/L	88
31)	Tetrahydrofuran	7.23	71	38478	57.92 ug/L	78
32)	1,1,1-Trichloroethane	7.50	97	432479	37.78 ug/L	85
33)	Ethanol	2.74	45	289318	3884.30 ug/L #	89
34)	1,1-Dichloropropene	7.73	75	423083	44.27 ug/L	97
35)	Carbon Tetrachloride	7.88	119	290098	47.93 ug/L	98
37)	1,2-Dichloroethane	8.11	62	415458	46.46 ug/L	96
38)	Benzene	8.11	78	1068075	43.19 ug/L	96
40)	Trichloroethene	9.06	95	325201	33.21 ug/L #	39
41)	1,2-Dichloropropane	9.32	63	319304	42.93 ug/L	95
42)	Methylmethacrylate	9.46	69	220443	40.88 ug/L	91
43)	Methyl acetate	4.30	43	433789	49.71 ug/L #	91
44)	Cyclohexane	7.51	56	500904	44.55 ug/L #	72
45)	Bromodichloromethane	9.67	83	376994	33.27 ug/L	98
46)	Dibromomethane	9.73	93	215135	32.97 ug/L #	82
47)	1,4-Dioxane	9.72	88	100866	1086.24 ug/L #	70
48)	Methylcyclohexane	9.15	83	459831	33.64 ug/L #	82
50)	2-Chloroethylvinyl ether	10.17	63	197194	47.54 ug/L	89
51)	2-Hexanone	11.53	58	647909	233.41 ug/L	82
52)	Methyl isobutyl ketone	10.21	58	664766	226.55 ug/L #	66
53)	cis-1,3-Dichloropropene	10.49	75	499466	38.81 ug/L	99
55)	Toluene	10.96	92	692116	36.26 ug/L	88
56)	trans-1,3-Dichloropropene	11.25	75	468226	36.99 ug/L	92
58)	1,1,2-Trichloroethane	11.48	83	231605	35.91 ug/L	96
59)	1,3-Dichloropropane	11.86	76	467390	36.68 ug/L	99
60)	Tetrachloroethene	11.94	166	312040	40.12 ug/L	94
61)	Dibromochloromethane	12.23	129	338923	34.93 ug/L	91
62)	1,2-Dibromoethane	12.53	107	341651	43.08 ug/L	98
64)	Chlorobenzene	13.17	112	789831	45.03 ug/L	90
65)	1,1,1,2-Tetrachloroethane	13.25	131	280599	35.04 ug/L	95
66)	Ethylbenzene	13.27	91	1234082	34.12 ug/L	80
67)	m,p-Xylene	13.39	106	1004057	87.67 ug/L #	54
68)	o-Xylene	14.05	106	486024	43.40 ug/L #	57
69)	Styrene	14.11	104	868770	43.33 ug/L	76
70)	Bromoform	14.59	173	208473	43.42 ug/L	100
71)	Isopropylbenzene	14.62	105	1273409	41.42 ug/L	92
72)	1,1,2,2-Tetrachloroethane	14.88	83	378896	36.68 ug/L	100
74)	1,2,3-Trichloropropane	15.11	75	281459	37.84 ug/L	96
75)	trans-1,4-Dichloro-2-buten	15.23	89	104724	34.02 ug/L #	59
76)	n-Propylbenzene	15.24	91	1485946	34.24 ug/L	85

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 09.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	292434	38.61 ug/L #	78
78)	1,3,5-Trimethylbenzene	15.50	105	1017840	40.75 ug/L	81
79)	2-Chlorotoluene	15.50	91	954976	33.83 ug/L	69
80)	4-Chlorotoluene	15.58	91	865678	32.81 ug/L	64
81)	tert-butylbenzene	16.04	119	869196	38.94 ug/L #	73
82)	1,2,4-Trimethylbenzene	16.10	105	1054360	40.22 ug/L	84
83)	Diisobutylketone	15.19	57	3783407	220.10 ug/L #	78
84)	sec-butylbenzene	16.38	105	1404045	42.31 ug/L	87
85)	p-isopropyltoluene	16.60	119	1117917	39.75 ug/L	81
86)	1,3-Dichlorobenzene	16.71	146	522652	36.29 ug/L #	83
88)	1,4-Dichlorobenzene	16.88	146	535565	41.92 ug/L #	84
89)	n-butylbenzene	17.25	91	1049928	40.42 ug/L	75
90)	1,2-Dichlorobenzene	17.45	146	488004	42.48 ug/L #	81
92)	1,2-Dibromo-3-chloropropan	18.70	75	66837	48.37 ug/L #	75
94)	1,2,4-Trichlorobenzene	20.10	180	369710	45.34 ug/L	100
95)	Hexachlorobutadiene	20.34	225	179103	30.94 ug/L	92
96)	Naphthalene	20.49	128	955522	45.53 ug/L	99
97)	1,2,3-Trichlorobenzene	20.89	180	337558	46.16 ug/L	86
98)	1,3,5-Trichlorobenzene	19.09	180	386084	45.38 ug/L	99

(#) = qualifier out of range (m) = manual integration

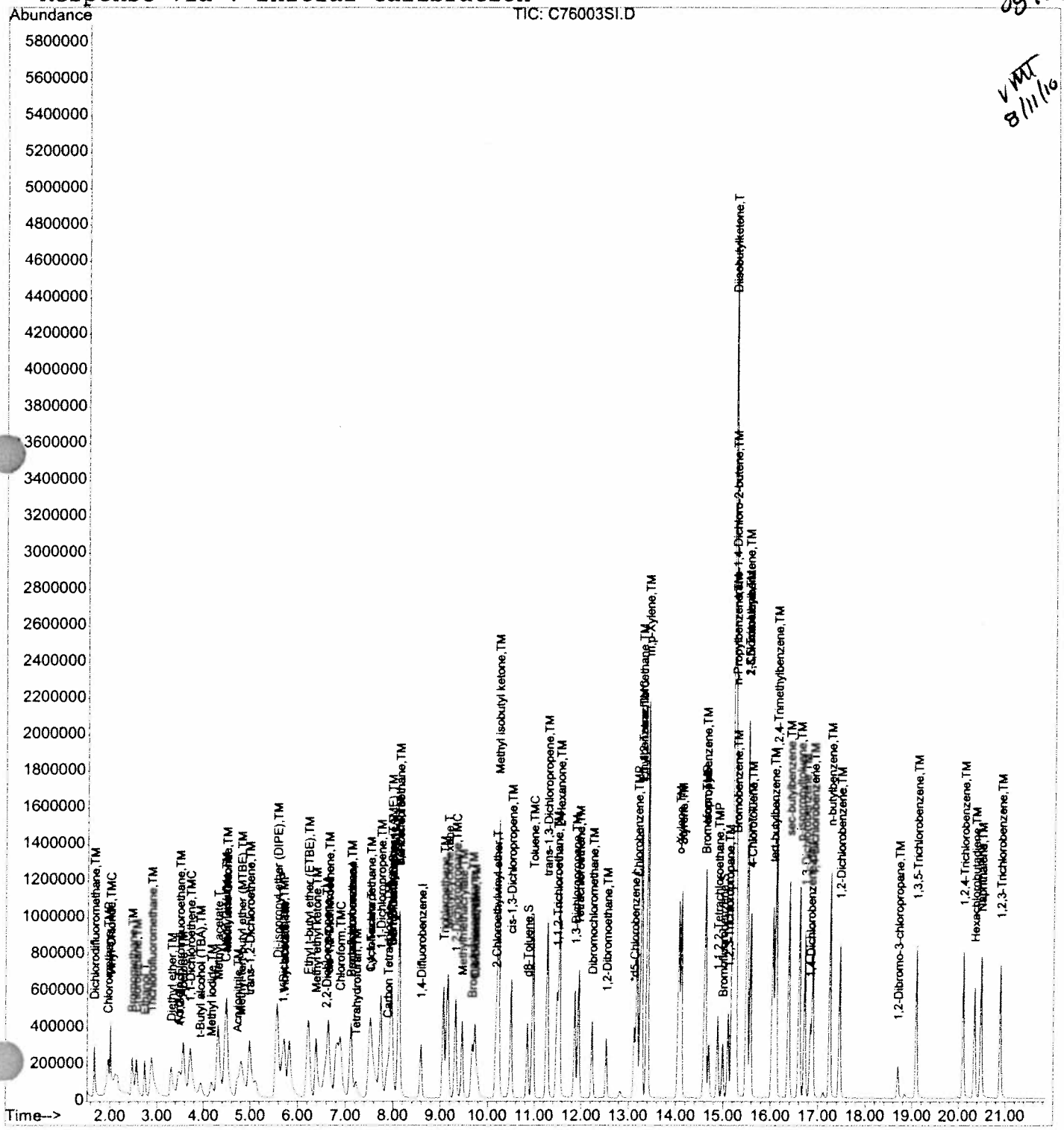
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JK 08-11-10

VMT 8/11/10



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 09.11.10

NMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	212825	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	426996	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.12	117	369802	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	156214	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	7.98	65	154362	20.07 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.35%		
36) d4-1,2-Dichloroethane	7.98	65	154362	20.06 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 100.30%		
54) d8-Toluene	10.85	98	464164	17.49 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 87.45%		
73) Bromofluorobenzene	14.99	95	169889	15.46 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 77.30%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.66	85	744670	86.48 ug/L	98
3) Chloromethane	1.97	50	858289	Below Cal	96
4) Vinyl Chloride	2.00	62	724851	101.93 ug/L	96
5) Bromomethane	2.44	94	677893	101.85 ug/L	96
6) Chloroethane	2.54	64	596756	127.05 ug/L	93
7) t-Butyl alcohol (TBA)	3.94	59	345239	628.20 ug/L	98
8) Trichlorofluoromethane	2.87	101	1196061	87.60 ug/L	98
9) Diethyl ether	3.31	74	348546	90.58 ug/L	97
10) 1,1,2-Trichlorotrifluoroet	3.48	101	640255	86.84 ug/L #	84
11) Acrolein	3.45	56	224958	491.85 ug/L	99
12) Acetone	3.57	43	1333205	614.03 ug/L #	81
13) 1,1-Dichloroethene	3.71	96	602436	86.21 ug/L	86
14) Methyl iodide	4.16	142	485298m	61.73 ug/L	
15) Di-isopropyl ether (DIPE)	5.57	45	2998389	117.66 ug/L #	85
16) Methylene Chloride	4.48	84	715487	93.21 ug/L #	74
17) Carbon Disulfide	4.45	76	2140120	85.48 ug/L	100
18) Acrylonitrile	4.72	53	338216	114.66 ug/L #	93
19) Methyl-tert-butyl ether (M	4.81	73	1589082	86.10 ug/L #	90
20) trans-1,2-Dichloroethene	4.98	61	1026754	100.27 ug/L	88
21) 1,1-Dichloroethane	5.68	63	1252355	97.38 ug/L	93
22) Vinyl acetate	5.72	43	1482908	115.77 ug/L #	93
23) Methyl ethyl ketone	6.39	72	352632	532.62 ug/L	93
24) Ethyl t-butyl ether (ETBE)	6.22	59	2239819	100.62 ug/L #	81
25) 2,2-Dichloropropane	6.58	77	822225	90.40 ug/L	100
26) cis-1,2-Dichloroethene	6.63	96	734785	88.07 ug/L #	86
27) t-Amyl methyl ether (TAME)	7.96	73	1781551	87.28 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
29)	Chloroform	6.89	83	1184844	75.95 ug/L		98
30)	Bromochloromethane	7.12	128	328918	99.01 ug/L		87
31)	Tetrahydrofuran	7.22	71	82514	110.14 ug/L		76
32)	1,1,1-Trichloroethane	7.50	97	955072	73.58 ug/L	#	81
33)	Ethanol	2.77	45	629497	7495.00 ug/L	#	89
34)	1,1-Dichloropropene	7.74	75	933795	86.15 ug/L		96
35)	Carbon Tetrachloride	7.89	119	659340	96.07 ug/L		94
37)	1,2-Dichloroethane	8.11	62	914385	90.16 ug/L		97
38)	Benzene	8.12	78	2457114	87.62 ug/L		97
40)	Trichloroethene	9.06	95	725845	65.23 ug/L	#	44
41)	1,2-Dichloropropane	9.33	63	692492	81.95 ug/L		96
42)	Methylmethacrylate	9.46	69	490207	80.00 ug/L		94
43)	Methyl acetate	4.30	43	949215	95.74 ug/L	#	91
44)	Cyclohexane	7.52	56	1098026	85.96 ug/L	#	75
45)	Bromodichloromethane	9.67	83	831520	64.58 ug/L		99
46)	Dibromomethane	9.73	93	439426	59.27 ug/L	#	77
47)	1,4-Dioxane	9.72	88	212408	2047.87 ug/L	#	69
48)	Methylcyclohexane	9.15	83	1059063	68.19 ug/L	#	82
50)	2-Chloroethylvinyl ether	10.17	63	359177	76.22 ug/L		89
51)	2-Hexanone	11.53	58	1417719	449.52 ug/L		81
52)	Methyl isobutyl ketone	10.22	58	1473777	442.07 ug/L	#	65
53)	cis-1,3-Dichloropropene	10.50	75	1063735	72.75 ug/L		96
55)	Toluene	10.96	92	1552920	71.61 ug/L		88
56)	trans-1,3-Dichloropropene	11.26	75	1064707	74.03 ug/L		87
58)	1,1,2-Trichloroethane	11.48	83	516176	70.44 ug/L		95
59)	1,3-Dichloropropane	11.86	76	1050711	72.57 ug/L		98
60)	Tetrachloroethene	11.94	166	709610	80.29 ug/L		94
61)	Dibromochloromethane	12.23	129	754363	68.42 ug/L		94
62)	1,2-Dibromoethane	12.53	107	752419	83.50 ug/L		95
64)	Chlorobenzene	13.17	112	1785746	91.80 ug/L		90
65)	1,1,1,2-Tetrachloroethane	13.25	131	636774	71.70 ug/L		95
66)	Ethylbenzene	13.27	91	2752410	68.61 ug/L		81
67)	m,p-Xylene	13.40	106	2225160	175.19 ug/L	#	53
68)	o-Xylene	14.06	106	1079329	86.91 ug/L	#	54
69)	Styrene	14.11	104	1920464	86.38 ug/L		77
70)	Bromoform	14.59	173	475480	89.30 ug/L		98
71)	Isopropylbenzene	14.62	105	2812981	82.51 ug/L		92
72)	1,1,2,2-Tetrachloroethane	14.89	83	805241	70.29 ug/L		99
74)	1,2,3-Trichloropropane	15.10	75	602977	73.10 ug/L		97
75)	trans-1,4-Dichloro-2-buten	15.23	89	229354	67.18 ug/L	#	56
76)	n-Propylbenzene	15.24	91	3236625	67.24 ug/L		85

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JR 0911.1
VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	643573	76.62 ug/L #	80
78)	1,3,5-Trimethylbenzene	15.50	105	2243493	80.99 ug/L	84
79)	2-Chlorotoluene	15.50	91	2083913	66.57 ug/L	72
80)	4-Chlorotoluene	15.58	91	1919050	65.58 ug/L	67
81)	tert-butylbenzene	16.04	119	1885462	76.16 ug/L #	74
82)	1,2,4-Trimethylbenzene	16.10	105	2310552	79.48 ug/L	84
83)	Diisobutylketone	15.20	57	7973897	418.29 ug/L #	78
84)	sec-butylbenzene	16.38	105	3053691	82.98 ug/L	87
85)	p-isopropyltoluene	16.60	119	2438447	78.18 ug/L	82
86)	1,3-Dichlorobenzene	16.71	146	1130622	70.79 ug/L #	84
88)	1,4-Dichlorobenzene	16.88	146	1162647	85.43 ug/L #	82
89)	n-butylbenzene	17.24	91	2284447	82.57 ug/L	77
90)	1,2-Dichlorobenzene	17.45	146	1042261	85.18 ug/L #	83
92)	1,2-Dibromo-3-chloropropan	18.69	75	138390	94.92 ug/L #	73
94)	1,2,4-Trichlorobenzene	20.10	180	758428	87.32 ug/L	96
95)	Hexachlorobutadiene	20.35	225	382324	62.01 ug/L	90
96)	Naphthalene	20.49	128	1865510	83.44 ug/L	99
97)	1,2,3-Trichlorobenzene	20.89	180	657645	84.42 ug/L	84
98)	1,3,5-Trichlorobenzene	19.09	180	824393	90.97 ug/L	97

(#) = qualifier out of range (m) = manual integration

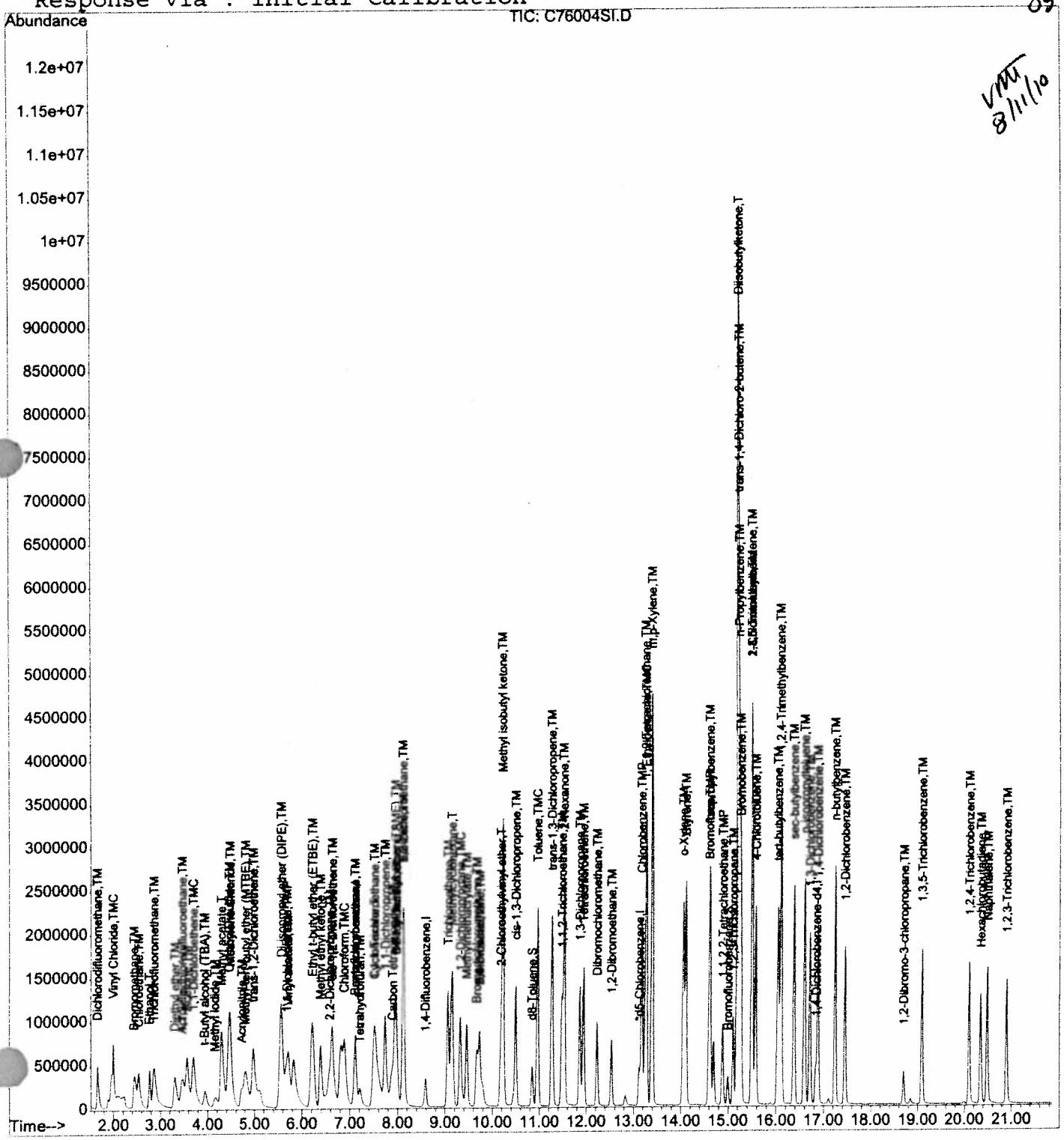
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JK 08.11.10

VMT 8/11/10



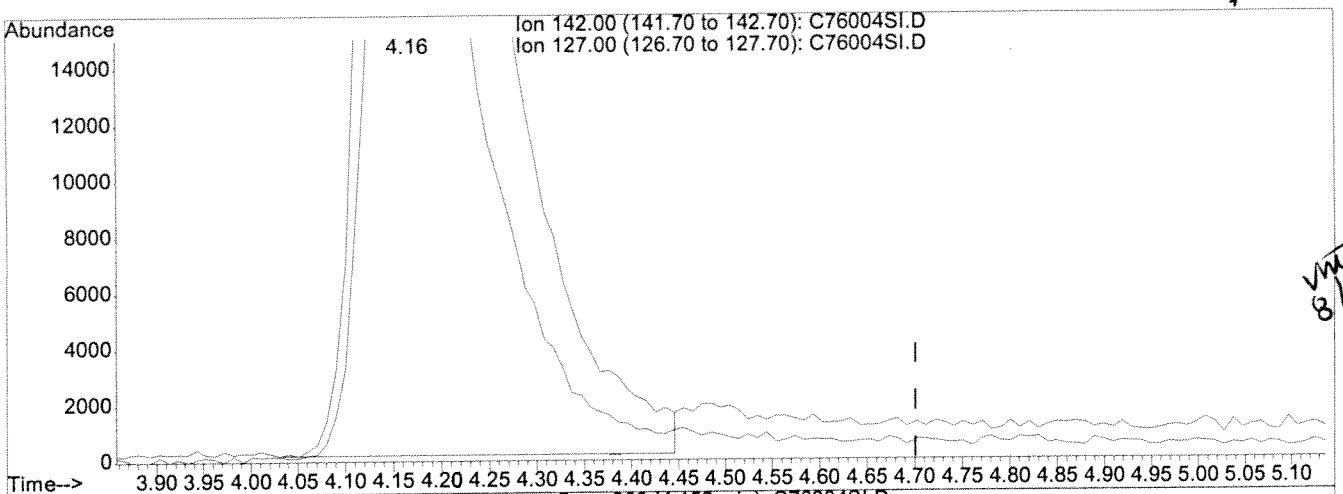
Quantitation Report (Qedit)

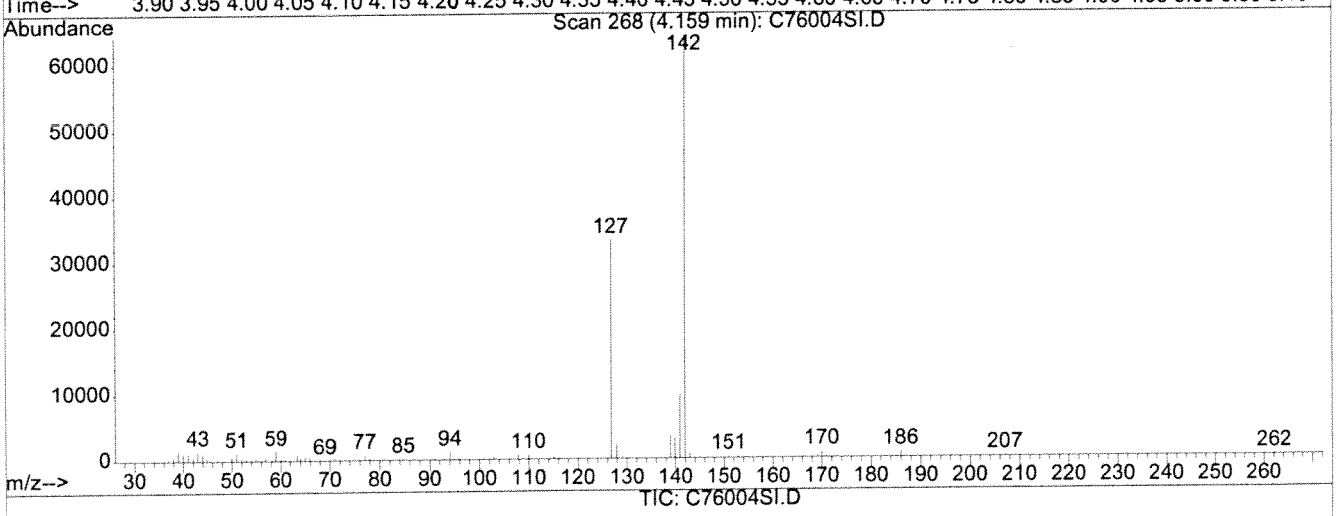
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:35 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 15:37:45 2010
Response via : Multiple Level Calibration

JL 08.11.10 *Tailing *Point NOT USED IN TH CURV

VMT 8/11/10





(14) Methyl iodide (TM)

4.16min 59.39ug/L

response 466895

Ion	Exp%	Act%
142.00	100	100
127.00	114.00	50.30#
0.00	0.00	0.00
0.00	0.00	0.00

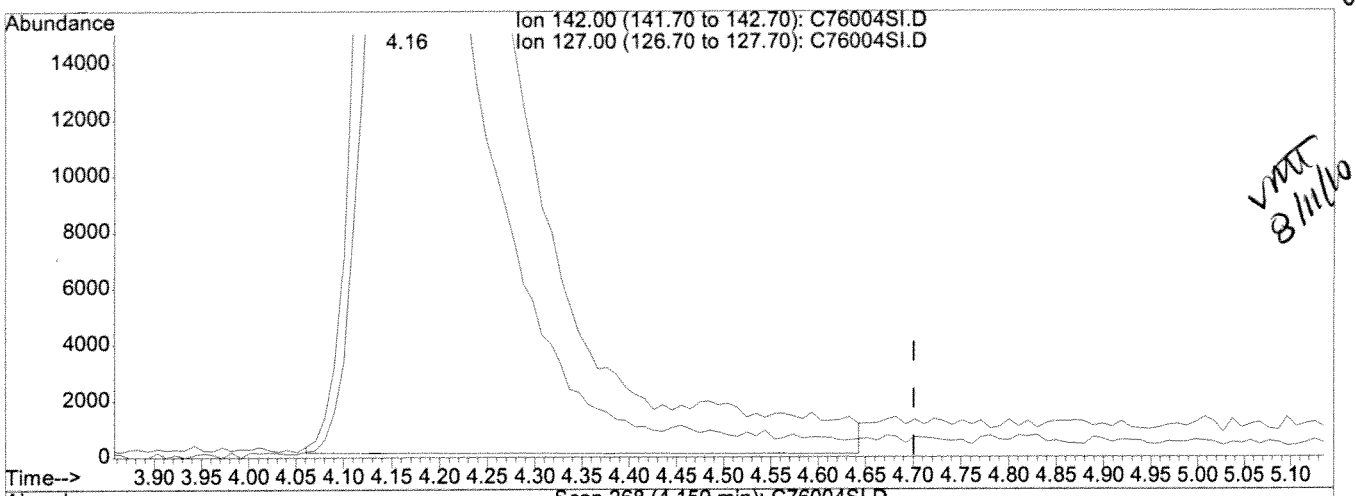
C76004SI.D V808100C.M Tue Aug 10 15:41:44 2010

Quantitation Report (Qedit)

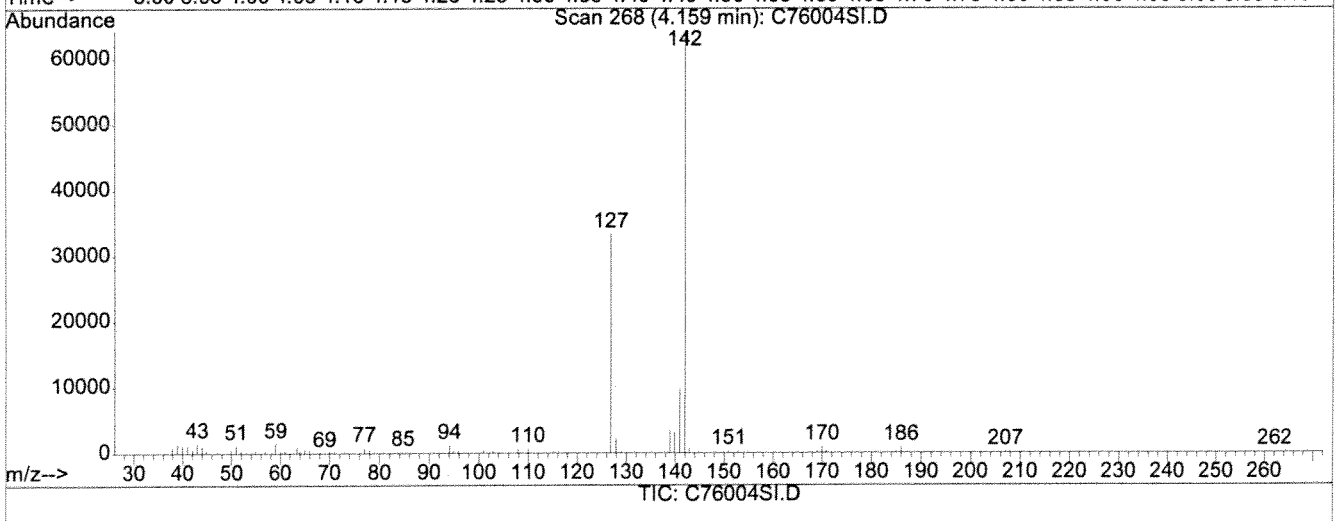
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 15:37:45 2010
Response via : Multiple Level Calibration

JL 09.11.11



VMT 8/11/10



(14) Methyl iodide (TM)

4.16min 61.73ug/L m

response 485298

Ion	Exp%	Act%
142.00	100	100
127.00	114.00	48.39#
0.00	0.00	0.00
0.00	0.00	0.00

C76004SI.D V808100C.M Tue Aug 10 15:41:56 2010

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

JL 08-11-10

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	80	120	15	0.0	18	89		17	87		2	
Chloromethane	20	80	120	15	0.0	19	95		20	99		5	
Vinyl Chloride	20	80	120	15	0.0	19	95		19	94		1	
Bromomethane	20	80	120	15	0.0	20	100		21	103		3	
Chloroethane	20	80	120	15	0.0	17	84		19	95		12	
t-Butyl alcohol (TBA)	100	80	120	15	0.0	99	99		85	85		16	*
Trichlorofluoromethane	20	80	120	15	0.0	17	87		17	86		1	
Diethyl ether	20	80	120	15	0.0	20	102		21	106		4	
1,1,2-Trichlorotrifluoroethane	20	80	120	15	0.0	16	80		17	84		5	
Acetone	100	80	120	15	0.0	113	113		103	103		9	
1,1-Dichloroethene	20	80	120	15	0.0	18	91		17	85		6	
Methyl iodide	20	80	120	15	0.0	19	96		20	102		6	
Di-isopropyl ether (DIPE)	20	80	120	15	0.0	19	94		19	97		3	
Methylene Chloride	20	80	120	15	0.0	23	117		20	102		13	
Carbon Disulfide	20	80	120	15	0.0	19	94		19	97		4	
Acrylonitrile	20	80	120	15	0.0	22	109		21	105		4	
Methyl-tert-butyl ether (MTBE)	40	80	120	15	0.0	47	119		47	117		2	
trans-1,2-Dichloroethene	20	80	120	15	0.0	18	91		18	92		2	
1,1-Dichloroethane	20	80	120	15	0.0	19	95		19	96		2	
Vinyl acetate	20	80	120	15	0.0	15	74	*	15	76	*	3	
Methyl ethyl ketone	100	80	120	15	0.0	109	109		100	100		9	
Ethyl t-butyl ether (ETBE)	20	80	120	15	0.0	20	98		20	98		0	
2,2-Dichloropropane	20	80	120	15	0.0	18	92		17	87		5	
cis-1,2-Dichloroethene	20	80	120	15	0.0	19	96		19	96		0	
t-Amyl methyl ether (TAME)	20	80	120	15	0.0	20	98		19	95		3	
Chloroform	20	80	120	15	0.0	18	92		19	93		1	
Bromochloromethane	20	80	120	15	0.0	21	103		20	99		4	
Tetrahydrofuran	20	80	120	15	0.0	23	113		21	105		7	
1,1,1-Trichloroethane	20	80	120	15	0.0	19	97		19	97		0	
1,1-Dichloropropene	20	80	120	15	0.0	18	91		19	93		2	
Carbon Tetrachloride	20	80	120	15	0.0	23	114		22	108		6	
1,2-Dichloroethane	20	80	120	15	0.0	20	98		20	100		1	
Benzene	20	80	120	15	0.0	18	89		19	93		4	
Trichloroethene	20	80	120	15	0.0	20	98		19	97		1	
1,2-Dichloropropane	20	80	120	15	0.0	19	97		20	99		2	
Methylmethacrylate	20	80	120	15	0.0	21	105		19	95		11	
Bromodichloromethane	20	80	120	15	0.0	21	104		20	98		6	
Dibromomethane	20	80	120	15	0.0	21	107		19	97		9	
1,4-Dioxane	500	80	120	15	0.0	527	105		458	92		14	
2-Hexanone	100	80	120	15	0.0	113	113		105	105		8	
Methyl isobutyl ketone	100	80	120	15	0.0	111	111		104	104		6	
cis-1,3-Dichloropropene	20	80	120	15	0.0	21	103		20	99		3	
Toluene	20	80	120	15	0.0	19	97		20	98		1	
trans-1,3-Dichloropropene	20	80	120	15	0.0	18	91		17	87		4	
1,1,2-Trichloroethane	20	80	120	15	0.0	21	105		20	101		4	
1,3-Dichloropropane	20	80	120	15	0.0	19	96		19	95		2	
Tetrachloroethene	20	80	120	15	0.0	22	110		22	111		1	
Dibromochloromethane	20	80	120	15	0.0	19	95		19	96		1	
1,2-Dibromoethane	20	80	120	15	0.0	20	98		19	95		3	

JOR 21W

VOA FORM 3

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

OL
08.11.1.

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Chlorobenzene	20	80	120	15	0.0	18	92		19	94		2	
1,1,1,2-Tetrachloroethane	20	80	120	15	0.0	19	95		19	96		1	
Ethylbenzene	20	80	120	15	0.0	19	93		19	95		2	
m,p-Xylene	40	80	120	15	0.0	37	92		38	95		3	
o-Xylene	20	80	120	15	0.0	19	93		19	95		2	
Styrene	20	80	120	15	0.0	19	95		19	96		1	
Bromoform	20	80	120	15	0.0	19	97		20	99		2	
Isopropylbenzene	20	80	120	15	0.0	16	82		17	83		2	
1,1,2,2-Tetrachloroethane	20	80	120	15	0.0	19	97		19	96		0	
1,2,3-Trichloropropane	20	80	120	15	0.0	21	105		21	103		2	
trans-1,4-Dichloro-2-butene	20	80	120	15	0.0	20	100		20	99		1	
n-Propylbenzene	20	80	120	15	0.0	18	92		19	93		1	
Bromobenzene	20	80	120	15	0.0	19	94		19	97		3	
1,3,5-Trimethylbenzene	20	80	120	15	0.0	19	95		20	98		3	
2-Chlorotoluene	20	80	120	15	0.0	20	98		20	99		1	
4-Chlorotoluene	20	80	120	15	0.0	19	95		19	97		2	
tert-butylbenzene	20	80	120	15	0.0	18	92		19	95		3	
1,2,4-Trimethylbenzene	20	80	120	15	0.0	18	90		19	93		3	
sec-butylbenzene	20	80	120	15	0.0	18	91		19	96		5	
p-isopropyltoluene	20	80	120	15	0.0	18	88		18	91		4	
1,3-Dichlorobenzene	20	80	120	15	0.0	19	93		19	95		2	
1,4-Dichlorobenzene	20	80	120	15	0.0	18	92		19	94		3	
n-butylbenzene	20	80	120	15	0.0	18	91		19	97		7	
1,2-Dichlorobenzene	20	80	120	15	0.0	19	93		20	98		5	
1,2-Dibromo-3-chloropropane	20	80	120	15	0.0	22	108		21	104		4	
1,2,4-Trichlorobenzene	20	80	120	15	0.0	18	91		19	95		4	
Hexachlorobutadiene	20	80	120	15	0.0	18	91		19	97		6	
Naphthalene	20	80	120	15	0.0	21	104		21	104		0	
1,2,3-Trichlorobenzene	20	80	120	15	0.0	20	98		20	102		3	
1,3,5-Trichlorobenzene	20	80	120	15	0.0	18	91		19	97		6	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

381210

VOA FORM 3

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 0811-10 JMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	136751	20.00 ug/L	-0.02
39) 1,4-Difluorobenzene	8.59	114	264160	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	237302	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	105646	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	7.97	65	102649	19.76 ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.80%	
36) d4-1,2-Dichloroethane	7.97	65	102649	19.74 ug/L	-0.02
Spiked Amount 20.000	Range 70 - 120		Recovery =	98.70%	
54) d8-Toluene	10.85	98	299585	20.57 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery =	102.85%	
73) Bromofluorobenzene	14.99	95	114916	20.58 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery =	102.90%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.67	85	91800	17.73 ug/L	98
3) Chloromethane	1.94	50	131402	18.92 ug/L	95
4) Vinyl Chloride	2.02	62	99663	19.03 ug/L	97
5) Bromomethane	2.48	94	83971	19.96 ug/L	98
6) Chloroethane	2.57	64	66943	16.90 ug/L	91
7) t-Butyl alcohol (TBA)	3.91	59	48856	99.14 ug/L	97
8) Trichlorofluoromethane	2.89	101	139999	17.42 ug/L	100
9) Diethyl ether	3.30	74	44001	20.40 ug/L	94
10) 1,1,2-Trichlorotrifluoroet	3.50	101	71276	16.04 ug/L #	89
11) Acrolein	3.45	56	36680	126.57 ug/L	99
12) Acetone	3.56	43	199012	112.72 ug/L #	80
13) 1,1-Dichloroethene	3.72	96	74893	18.12 ug/L	83
14) Methyl iodide	4.17	142	72677	19.26 ug/L #	42
15) Di-isopropyl ether (DIPE)	5.57	45	380180	18.74 ug/L #	86
16) Methylene Chloride	4.49	84	109913	23.32 ug/L #	69
17) Carbon Disulfide	4.46	76	261470	18.71 ug/L	98
18) Acrylonitrile	4.72	53	48244	21.88 ug/L	97
19) Methyl-tert-butyl ether (M	4.80	73	453158	47.41 ug/L #	85
20) trans-1,2-Dichloroethene	4.98	61	127600	18.14 ug/L	88
21) 1,1-Dichloroethane	5.67	63	155377	18.96 ug/L	92
22) Vinyl acetate	5.72	43	126273	14.75 ug/L #	93
23) Methyl ethyl ketone	6.38	72	53462	109.15 ug/L	93
24) Ethyl t-butyl ether (ETBE)	6.22	59	291594	19.60 ug/L #	82
25) 2,2-Dichloropropane	6.58	77	97123	18.32 ug/L	95
26) cis-1,2-Dichloroethene	6.63	96	97058	19.25 ug/L	89
27) t-Amyl methyl ether (TAME)	7.96	73	238606	19.51 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	Chloroform	6.89	83	153097	18.48	ug/L		99
30)	Bromochloromethane	7.12	128	44654	20.54	ug/L		89
31)	Tetrahydrofuran	7.22	71	12798	22.52	ug/L		86
32)	1,1,1-Trichloroethane	7.51	97	125501	19.43	ug/L		78
33)	Ethanol	2.71	45	92620	1052.53	ug/L	#	91
34)	1,1-Dichloropropene	7.73	75	117555	18.16	ug/L		95
35)	Carbon Tetrachloride	7.88	119	88123	22.88	ug/L		98
37)	1,2-Dichloroethane	8.12	62	121712	19.64	ug/L		97
38)	Benzene	8.12	78	300370	17.86	ug/L		97
40)	Trichloroethene	9.06	95	91928	19.68	ug/L	#	44
41)	1,2-Dichloropropane	9.32	63	89357	19.38	ug/L		96
42)	Methylmethacrylate	9.46	69	70235	21.07	ug/L		91
43)	Methyl acetate	4.29	43	60471	9.48	ug/L	#	88
44)	Cyclohexane	7.54	56	182353	24.16	ug/L	#	36
45)	Bromodichloromethane	9.67	83	112187	20.89	ug/L		97
46)	Dibromomethane	9.73	93	63735	21.31	ug/L	#	77
47)	1,4-Dioxane	9.73	88	30232	526.97	ug/L	#	66
48)	Methylcyclohexane	9.07	83	1631	0.24	ug/L	#	1
50)	2-Chloroethylvinyl ether	10.17	63	180	0.07	ug/L	#	42
51)	2-Hexanone	11.53	58	216411	113.35	ug/L		80
52)	Methyl isobutyl ketone	10.22	58	216322	110.55	ug/L	#	66
53)	cis-1,3-Dichloropropene	10.50	75	145632	20.52	ug/L		96
55)	Toluene	10.97	92	198268	19.43	ug/L		86
56)	trans-1,3-Dichloropropene	11.25	75	120899	18.12	ug/L		85
58)	1,1,2-Trichloroethane	11.48	83	69335	20.99	ug/L		95
59)	1,3-Dichloropropane	11.86	76	138195	19.24	ug/L		99
60)	Tetrachloroethene	11.94	166	107533	22.04	ug/L		91
61)	Dibromochloromethane	12.23	129	93284	19.00	ug/L		92
62)	1,2-Dibromoethane	12.54	107	99215	19.52	ug/L		99
64)	Chlorobenzene	13.18	112	226122	18.32	ug/L		89
65)	1,1,1,2-Tetrachloroethane	13.25	131	81084	19.00	ug/L		97
66)	Ethylbenzene	13.28	91	359021	18.60	ug/L		83
67)	m,p-Xylene	13.39	106	291020	36.96	ug/L	#	54
68)	o-Xylene	14.06	106	141321	18.59	ug/L	#	58
69)	Styrene	14.11	104	253350	19.05	ug/L		78
70)	Bromoform	14.60	173	57050	19.37	ug/L		99
71)	Isopropylbenzene	14.62	105	323095	16.32	ug/L		91
72)	1,1,2,2-Tetrachloroethane	14.88	83	113055	19.31	ug/L		100
74)	1,2,3-Trichloropropane	15.10	75	84448	21.02	ug/L		92
75)	trans-1,4-Dichloro-2-buten	15.24	89	30358	20.03	ug/L	#	75
76)	n-Propylbenzene	15.24	91	427810	18.36	ug/L		86

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08.11.10
VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.28	156	83937	18.85 ug/L #	77
78)	1,3,5-Trimethylbenzene	15.49	105	295414	19.07 ug/L	84
79)	2-Chlorotoluene	15.49	91	278347	19.66 ug/L	74
80)	4-Chlorotoluene	15.57	91	253349	18.93 ug/L	70
81)	tert-butylbenzene	16.04	119	252775	18.39 ug/L #	75
82)	1,2,4-Trimethylbenzene	16.11	105	298298	17.97 ug/L	82
83)	Diisobutylketone	15.24	57	5612	0.48 ug/L #	1
84)	sec-butylbenzene	16.38	105	398842	18.19 ug/L	87
85)	p-isopropyltoluene	16.60	119	307534	17.52 ug/L	82
86)	1,3-Dichlorobenzene	16.72	146	150087	18.51 ug/L #	81
88)	1,4-Dichlorobenzene	16.89	146	155562	18.32 ug/L #	81
89)	n-butylbenzene	17.24	91	301048	18.21 ug/L	79
90)	1,2-Dichlorobenzene	17.46	146	142349	18.67 ug/L #	84
92)	1,2-Dibromo-3-chloropropan	18.69	75	20994	21.66 ug/L	91
94)	1,2,4-Trichlorobenzene	20.10	180	106129	18.24 ug/L	99
95)	Hexachlorobutadiene	20.35	225	52609	18.21 ug/L	94
96)	Naphthalene	20.48	128	293886	20.80 ug/L	98
97)	1,2,3-Trichlorobenzene	20.90	180	101591	19.69 ug/L	86
98)	1,3,5-Trichlorobenzene	19.09	180	112789	18.28 ug/L	94

(#) = qualifier out of range (m) = manual integration

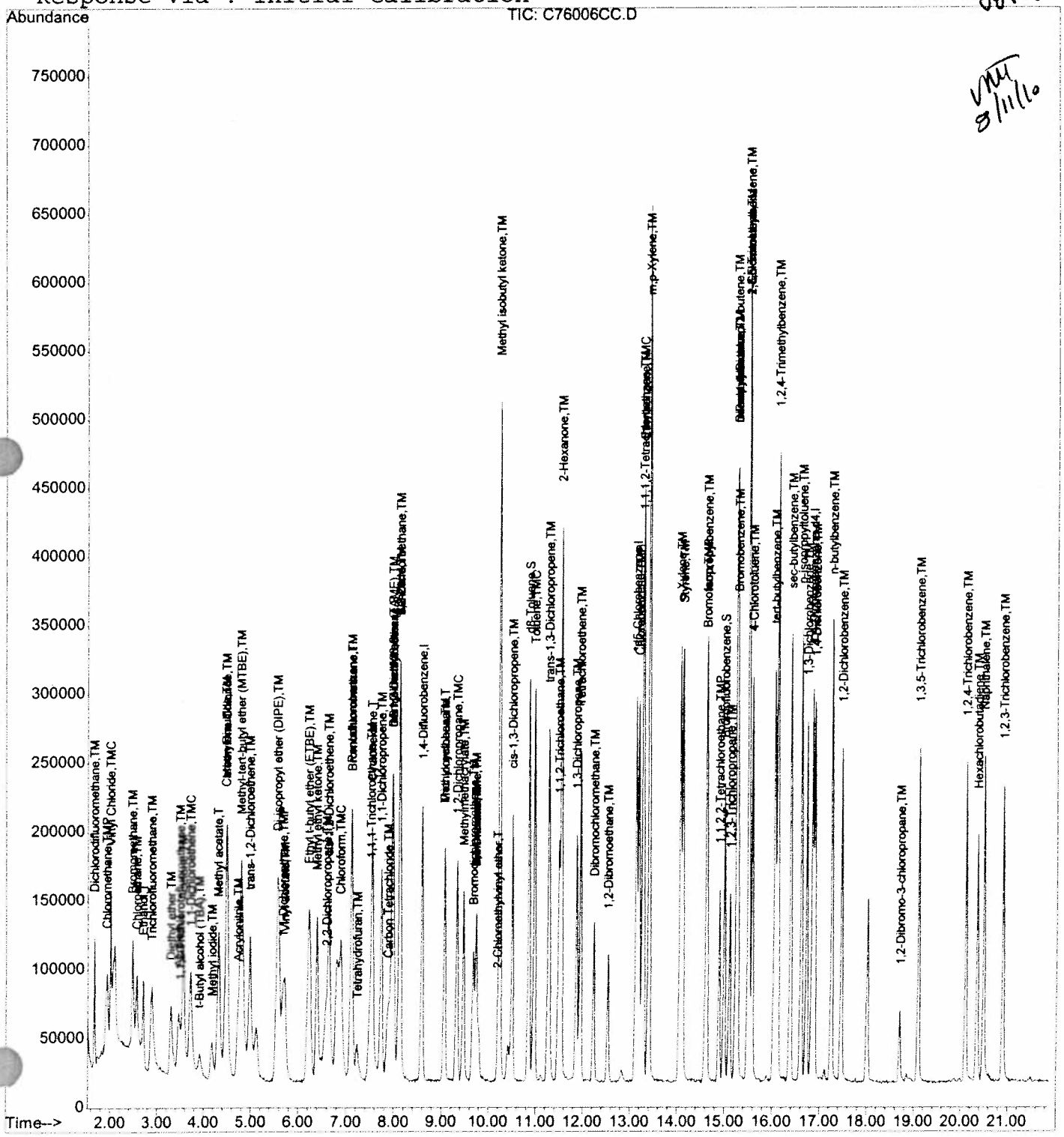
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JL 08/11/10

VMM 8/11/10



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08.11.10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	197193	20.00	ug/L	0.00
39) 1,4-Difluorobenzene	8.59	114	389939	20.00	ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	341660	20.00	ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	149620	20.00	ug/L	0.00

VMT 8/11/10

System Monitoring Compounds						
28) DB Holder #28	7.99	65	151441	20.22	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.10%			
36) d4-1,2-Dichloroethane	7.99	65	152282	20.31	ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 101.55%			
54) d8-Toluene	10.85	98	428903	19.95	ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 99.75%			
73) Bromofluorobenzene	14.99	95	160730	19.99	ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 99.95%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.68	85	130365	17.46	ug/L	97
3) Chloromethane	1.99	50	198474	19.82	ug/L	94
4) Vinyl Chloride	2.01	62	142231	18.84	ug/L	93
5) Bromomethane	2.50	94	125213	20.61	ug/L	94
6) Chloroethane	2.59	64	109072	19.09	ug/L	95
7) t-Butyl alcohol (TBA)	3.93	59	60289	84.84	ug/L #	89
8) Trichlorofluoromethane	2.92	101	200435	17.30	ug/L	100
9) Diethyl ether	3.33	74	65877	21.18	ug/L	96
10) 1,1,2-Trichlorotrifluoroet	3.55	101	107703	16.81	ug/L #	84
11) Acrolein	3.47	56	57305	137.15	ug/L	96
12) Acetone	3.57	43	263135	103.06	ug/L #	80
13) 1,1-Dichloroethene	3.74	96	101215	16.98	ug/L	86
14) Methyl iodide	4.18	142	111238	20.43	ug/L #	39
15) Di-isopropyl ether (DIPE)	5.56	45	565048	19.31	ug/L #	85
16) Methylene Chloride	4.51	84	139517	20.44	ug/L #	76
17) Carbon Disulfide	4.48	76	392640	19.48	ug/L	100
18) Acrylonitrile	4.73	53	66978	21.06	ug/L	91
19) Methyl-tert-butyl ether (M	4.83	73	643094	46.66	ug/L #	89
20) trans-1,2-Dichloroethene	5.00	61	186807	18.41	ug/L	89
21) 1,1-Dichloroethane	5.69	63	227671	19.27	ug/L	94
22) Vinyl acetate	5.73	43	186972	15.15	ug/L #	93
23) Methyl ethyl ketone	6.39	72	70554	99.90	ug/L	94
24) Ethyl t-butyl ether (ETBE)	6.22	59	421528	19.64	ug/L #	81
25) 2,2-Dichloropropane	6.60	77	132637	17.35	ug/L	91
26) cis-1,2-Dichloroethene	6.65	96	140205	19.28	ug/L	88
27) t-Amyl methyl ether (TAME)	7.96	73	333496	18.91	ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	222899	18.66 ug/L	99
30)	Bromochloromethane	7.13	128	62048	19.77 ug/L	91
31)	Tetrahydrofuran	7.24	71	17290	20.98 ug/L	90
32)	1,1,1-Trichloroethane	7.52	97	181370	19.47 ug/L #	80
33)	Ethanol	2.71	45	116853	920.89 ug/L #	90
34)	1,1-Dichloropropene	7.74	75	173690	18.60 ug/L	97
35)	Carbon Tetrachloride	7.89	119	119538	21.52 ug/L	98
37)	1,2-Dichloroethane	8.13	62	177954	19.91 ug/L	93
38)	Benzene	8.13	78	451433	18.61 ug/L	95
40)	Trichloroethene	9.07	95	134216	19.46 ug/L #	43
41)	1,2-Dichloropropane	9.33	63	134877	19.81 ug/L	96
42)	Methylmethacrylate	9.46	69	93118	18.92 ug/L	90
43)	Methyl acetate	4.31	43	65209	6.70 ug/L #	91
44)	Cyclohexane	7.56	56	263250	23.62 ug/L #	38
45)	Bromodichloromethane	9.68	83	156117	19.70 ug/L	95
46)	Dibromomethane	9.74	93	86599	19.45 ug/L #	75
47)	1,4-Dioxane	9.73	88	38812	458.31 ug/L #	68
48)	Methylcyclohexane	9.15	83	690	0.07 ug/L #	85
50)	2-Chloroethylvinyl ether	10.14	63	391	0.10 ug/L #	42
51)	2-Hexanone	11.53	58	294925	104.65 ug/L	80
52)	Methyl isobutyl ketone	10.22	58	300492	104.03 ug/L #	65
53)	cis-1,3-Dichloropropene	10.50	75	208082	19.86 ug/L	98
55)	Toluene	10.97	92	296443	19.68 ug/L	86
56)	trans-1,3-Dichloropropene	11.25	75	171243	17.39 ug/L	89
58)	1,1,2-Trichloroethane	11.48	83	98459	20.19 ug/L	97
59)	1,3-Dichloropropane	11.87	76	200366	18.90 ug/L	98
60)	Tetrachloroethene	11.94	166	159636	22.17 ug/L	93
61)	Dibromochloromethane	12.23	129	139108	19.19 ug/L	96
62)	1,2-Dibromoethane	12.54	107	142375	18.98 ug/L	95
64)	Chlorobenzene	13.18	112	333051	18.75 ug/L	90
65)	1,1,1,2-Tetrachloroethane	13.26	131	118088	19.22 ug/L	93
66)	Ethylbenzene	13.28	91	526355	18.94 ug/L	79
67)	m,p-Xylene	13.39	106	431975	38.11 ug/L #	53
68)	o-Xylene	14.05	106	208135	19.02 ug/L #	55
69)	Styrene	14.11	104	368122	19.22 ug/L	76
70)	Bromoform	14.60	173	84161	19.83 ug/L	95
71)	Isopropylbenzene	14.62	105	475642	16.68 ug/L	93
72)	1,1,2,2-Tetrachloroethane	14.88	83	162053	19.22 ug/L	96
74)	1,2,3-Trichloropropane	15.10	75	118967	20.55 ug/L	99
75)	trans-1,4-Dichloro-2-buten	15.24	89	43102	19.75 ug/L #	71
76)	n-Propylbenzene	15.24	91	623627	18.59 ug/L	85

(#) = qualifier out of range (m) = manual integration
C76007CC.D V808100C.M Wed Aug 11 09:45:57 2010 Page 2

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.1 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.28	156	125033	19.50 ug/L #	74
78)	1,3,5-Trimethylbenzene	15.49	105	436486	19.57 ug/L	82
79)	2-Chlorotoluene	15.49	91	404037	19.82 ug/L	73
80)	4-Chlorotoluene	15.57	91	372795	19.35 ug/L	70
81)	tert-butylbenzene	16.05	119	374429	18.92 ug/L #	72
82)	1,2,4-Trimethylbenzene	16.11	105	443759	18.57 ug/L	82
83)	Diisobutylketone	15.25	57	5050	0.30 ug/L #	1
84)	sec-butylbenzene	16.38	105	603169	19.10 ug/L	86
85)	p-isopropyltoluene	16.60	119	458933	18.16 ug/L	82
86)	1,3-Dichlorobenzene	16.72	146	221551	18.98 ug/L #	83
88)	1,4-Dichlorobenzene	16.88	146	226345	18.83 ug/L #	83
89)	n-butylbenzene	17.25	91	455145	19.43 ug/L	76
90)	1,2-Dichlorobenzene	17.46	146	212729	19.70 ug/L #	80
92)	1,2-Dibromo-3-chloropropan	18.70	75	28588	20.79 ug/L #	64
94)	1,2,4-Trichlorobenzene	20.10	180	157187	19.07 ug/L	96
95)	Hexachlorobutadiene	20.35	225	79511	19.44 ug/L	90
96)	Naphthalene	20.48	128	415414	20.76 ug/L	99
97)	1,2,3-Trichlorobenzene	20.90	180	148744	20.36 ug/L	83
98)	1,3,5-Trichlorobenzene	19.09	180	169692	19.42 ug/L	98

(#) = qualifier out of range (m) = manual integration
C76007CC.D V808100C.M Wed Aug 11 09:45:57 2010 Page 3

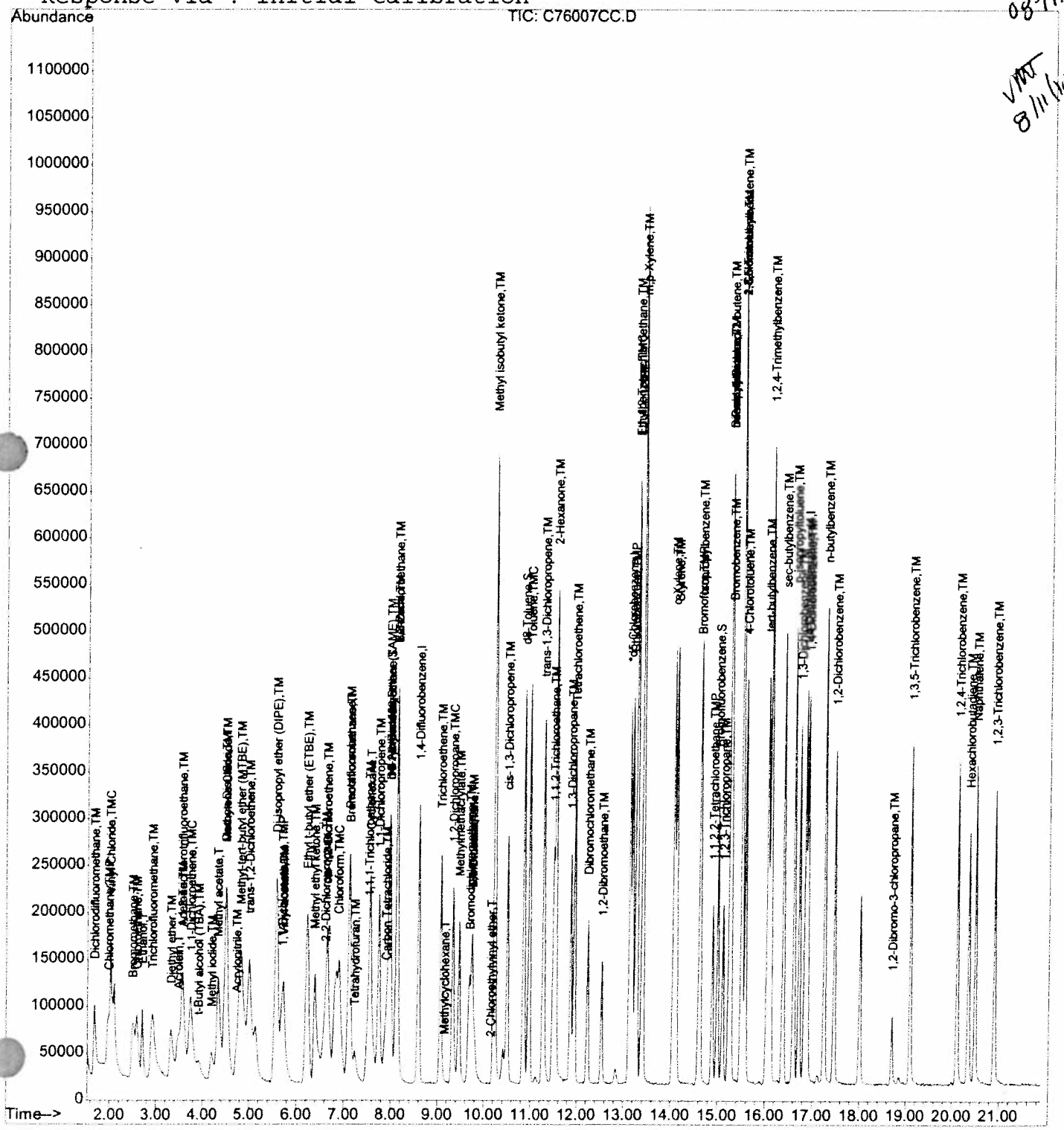
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JL 08-11-10

VMT 8/11/10



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D Vial: 3
Acq On : 15 Oct 2010 12:03 pm Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Multiple Level Calibration

AD 10/18/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	89	0.00
2	TM	Dichlorodifluoromethane	0.757	0.509	Low 32.8#	62	0.00
3	TMP	Chloromethane	1.195	0.946	L 93% ~~20.8~~#	85	0.00
4	TMC	Vinyl Chloride	0.766	0.691	9.8	85	0.00
5	TM	Bromomethane	0.522	0.677	L 110% ~~-29.7~~#	104	0.00
6	TM	Chloroethane	0.579	0.593	-2.4	96	0.00
7	TM	t-Butyl alcohol (TBA)	0.072	0.060#	16.7	86	0.00
8	TM	Trichlorofluoromethane	1.175	1.165	0.9	89	0.00
9	TM	Diethyl ether	0.315	0.327	-3.8	82	0.00
10	TM	1,1,2-Trichlorotrifluoroeth	0.650	0.648	0.3	90	0.00
11	T	Acrolein	0.047	0.120	NT -155.3#	254#	0.00
12	TM	Acetone	0.315	0.250	20.6#	83	0.00
13	TMC	1,1-Dichloroethene	0.604	0.614	-1.7	93	0.00
14	TM	Methyl iodide	0.481	0.599	L 109% ~~-24.5~~#	85	0.00
15	TM	Di-isopropyl ether (DIPE)	2.967	2.971	-0.1	92	0.00
16	TM	Methylene Chloride	0.829	0.689	16.9	89	0.00
17	TM	Carbon Disulfide	2.044	2.007	1.8	85	0.00
18	TM	Acrylonitrile	0.323	0.306	5.3	83	0.00
19	TM	Methyl-tert-butyl ether (MT	1.398	1.539	-10.1	90	0.00
20	TM	trans-1,2-Dichloroethene	1.029	0.984	4.4	86	0.00
21	TMP	1,1-Dichloroethane	1.344	1.245	7.4	90	0.00
22	TM	Vinyl acetate	1.252	1.367	-9.2	93	0.00
23	TM	Methyl ethyl ketone	0.072	0.071#	1.4	89	0.00
24	TM	Ethyl t-butyl ether (ETBE)	2.176	2.197	-1.0	91	0.00
25	TM	2,2-Dichloropropane	0.775	0.752	3.0	90	0.00
26	TM	cis-1,2-Dichloroethene	0.737	0.740	-0.4	88	0.00
27	TM	t-Amyl methyl ether (TAME)	1.789	1.713	4.2	89	0.00
28	S	DB Holder #28	0.760	0.724	4.7	81	0.00
29	TMC	Chloroform	1.211	1.151	5.0	87	0.00
30	TM	Bromochloromethane	0.396	0.326	17.7	88	0.00
31	TM	Tetrahydrofuran	0.103	0.084#	18.4	89	0.00
32	TM	1,1,1-Trichloroethane	0.945	0.945	0.0	87	0.00
33	T	Ethanol	0.013	0.012#	7.7	84	0.00
34	TM	1,1-Dichloropropene	0.947	0.920	2.9	88	0.00
35	TM	Carbon Tetrachloride	0.563	0.603	-7.1	89	0.00
36	S	d4-1,2-Dichloroethane	0.760	0.724	4.7	81	0.00
37	TM	1,2-Dichloroethane	0.906	0.893	1.4	86	0.00
38	TM	Benzene	2.460	2.378	3.3	89	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
40	TM	Trichloroethene	0.432	0.371	14.1	85	0.00
41	TMC	1,2-Dichloropropane	0.349	0.358	-2.6	92	0.00
42	TM	Methylmethacrylate	0.252	0.232	7.9	84	0.00
43	T	Methyl acetate	0.527	0.485	8.0	88	0.00
44	T	Cyclohexane	0.572	0.645	-12.8	99	0.00
45	TM	Bromodichloromethane	0.407	0.417	-2.5	88	0.00
46	TM	Dibromomethane	0.267	0.249	6.7	87	0.00
47	TM	1,4-Dioxane	0.004	0.004#	0.0	83	0.00
48	T	Methylcyclohexane	0.516	0.568	-10.1	97	0.00
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
50	T	2-Chloroethylvinyl ether	0.198	0.200	-1.0	95	0.00
51	TM	2-Hexanone	0.145	0.138	4.8	85	0.00
52	TM	Methyl isobutyl ketone	0.148	0.144	2.7	85	0.00
53	TM	cis-1,3-Dichloropropene	0.537	0.541	-0.7	86	0.00

VMT 10/18/10

(#) = Out of Range
C76536SC.D V808100C.M Sat Oct 16 12:59:15 2010

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D Vial: 3
Acq On : 15 Oct 2010 12:03 pm Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	S	d8-Toluene	1.103	1.117	-1.3	89	0.00
55	TMC	Toluene	0.773	0.787	-1.8	89	0.00
56	TM	trans-1,3-Dichloropropene	0.505	0.486	3.8	83	0.00
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
58	TM	1,1,2-Trichloroethane	0.250	0.252	-0.8	85	0.00
59	TM	1,3-Dichloropropane	0.544	0.514	5.5	86	0.00
60	TM	Tetrachloroethene	0.369	0.338	8.4	85	0.00
61	TM	Dibromochloromethane	0.372	0.351	5.6	85	0.00
62	TM	1,2-Dibromoethane	0.385	0.359	6.8	84	0.00
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	88	0.00
64	TMP	Chlorobenzene	1.040	1.017	2.2	90	0.00
65	TM	1,1,1,2-Tetrachloroethane	0.360	0.354	1.7	88	0.00
66	TMC	Ethylbenzene	1.627	1.612	0.9	91	0.00
67	TM	m,p-Xylene	0.664	0.654	1.5	90	0.00
68	TM	o-Xylene	0.641	0.633	1.2	88	0.00
69	TM	Styrene	1.121	1.124	-0.3	91	0.00
70	TMP	Bromoform	0.212	0.228	-7.5	82	0.00
71	TM	Isopropylbenzene	1.669	1.661	0.5	90	0.00
72	TMP	1,1,2,2-Tetrachloroethane	0.494	0.455	7.9	83	0.00
73	S	Bromofluorobenzene	0.471	0.472	-0.2	87	0.00
74	TM	1,2,3-Trichloropropane	0.370	0.336	9.2	82	0.00
75	TM	trans-1,4-Dichloro-2-butene	0.128	0.127	0.8	84	0.00
76	TM	n-Propylbenzene	1.963	1.936	1.4	90	0.00
77	TM	Bromobenzene	0.375	0.371	1.1	88	0.00
78	TM	1,3,5-Trimethylbenzene	1.306	1.328	-1.7	90	0.00
79	TM	2-Chlorotoluene	1.193	1.224	-2.6	89	0.00
80	TM	4-Chlorotoluene	1.128	1.114	1.2	88	0.00
81	TM	tert-butylbenzene	1.158	1.111	4.1	86	0.00
82	TM	1,2,4-Trimethylbenzene	1.399	1.387	0.9	89	0.00
83	T	Diisobutylketone	0.990	1.008	-1.8	92	0.00
84	TM	sec-butylbenzene	1.848	1.834	0.8	90	0.00
85	TM	p-isopropyltoluene	1.479	1.450	2.0	89	0.00
86	TM	1,3-Dichlorobenzene	0.683	0.673	1.5	90	0.00
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
88	TM	1,4-Dichlorobenzene	1.607	1.565	2.6	89	0.00
89	TM	n-butylbenzene	3.130	3.106	0.8	89	0.00
90	TM	1,2-Dichlorobenzene	1.444	1.430	1.0	88	0.00
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
92	TM	1,2-Dibromo-3-chloropropane	0.214	0.167	L90 ~~22.0~~#	80	0.00
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
94	TM	1,2,4-Trichlorobenzene	1.102	1.121	-1.7	88	0.00
95	TM	Hexachlorobutadiene	0.547	0.543	0.7	89	0.00
96	TM	Naphthalene	2.674	2.650	0.9	84	0.00
97	TM	1,2,3-Trichlorobenzene	0.977	1.007	-3.1	89	0.00
98	TM	1,3,5-Trichlorobenzene	1.168	1.224	-4.8	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

AD 10/16/10

1=AVERAGE RF	Data File Name	C76536SC.D
0=LINEAR	Date Acquired	10/15/10 12:03
3=QUADRATIC	Sample Name	20 PPB

METHOD: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	13.45	20	32.7%	NA	* - OK in CLS,D
0	Chloromethane	18.63	20	6.9%		OK
1	Vinyl Chloride	18.05	20	9.7%	NA	OK
0	Bromomethane	21.93	20	9.7%		OK
1	Chloroethane	20.47	20	2.4%	NA	OK
1	t-Butyl alcohol (TBA)	83.03	100	17.0%	NA	OK
1	Trichlorofluoromethane	19.83	20	0.9%	NA	OK
1	Diethyl ether	20.76	20	3.8%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	19.94	20	0.3%	NA	OK
0	Acrolein	282.91	100	182.9%		* NT
0	Acetone	96.27	100	3.7%		OK
1	1,1-Dichloroethene	20.32	20	1.6%	NA	OK
0	Methyl iodide	21.70	20	8.5%		OK
1	Di-isopropyl ether (DIPE)	20.02	20	0.1%	NA	OK
0	Methylene Chloride	19.89	20	0.6%		OK
1	Carbon Disulfide	19.64	20	1.8%	NA	OK
1	Acrylonitrile	18.99	20	5.1%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	22.02	20	10.1%	NA	OK
1	trans-1,2-Dichloroethene	19.12	20	4.4%	NA	OK
0	1,1-Dichloroethane	20.82	20	4.1%		OK
1	Vinyl acetate	21.84	20	9.2%	NA	OK
1	Methyl ethyl ketone	98.61	100	1.4%	NA	OK
1	Ethyl t-butyl ether (ETBE)	20.19	20	0.9%	NA	OK
1	2,2-Dichloropropane	19.40	20	3.0%	NA	OK
1	cis-1,2-Dichloroethene	20.07	20	0.4%	NA	OK
1	t-Amyl methyl ether (TAME)	19.15	20	4.3%	NA	OK
1	Chloroform	18.99	20	5.0%	NA	OK
0	Bromochloromethane	20.49	20	2.4%		OK
0	Tetrahydrofuran	20.15	20	0.8%		OK
1	1,1,1-Trichloroethane	20.01	20	0.0%	NA	OK
1	Ethanol	934.14	1000	6.6%	NA	OK
1	1,1-Dichloropropene	19.42	20	2.9%	NA	OK
1	Carbon Tetrachloride	21.40	20	7.0%	NA	OK
1	d4-1,2-Dichloroethane	19.04	20	4.8%	NA	OK
1	1,2-Dichloroethane	19.71	20	1.5%	NA	OK
1	Benzene	19.34	20	3.3%	NA	OK
0	Trichloroethene	21.03	20	5.2%		OK
1	1,2-Dichloropropane	20.48	20	2.4%	NA	OK
1	Methylmethacrylate	18.42	20	7.9%	NA	OK
0	Methyl acetate	21.00	20	5.0%		OK

VMT 10/19/10

1	Cyclohexane	22.57	20	12.9%	NA	OK
1	Bromodichloromethane	20.50	20	2.5%	NA	OK
0	Dibromomethane	22.05	20	10.3%		OK
1	1,4-Dioxane	475.96	500	4.8%	NA	OK
1	Methylcyclohexane	22.00	20	10.0%	NA	OK
1	2-Chloroethylvinyl ether	20.18	20	0.9%	NA	OK
1	2-Hexanone	95.53	100	4.5%	NA	OK
1	Methyl isobutyl ketone	97.47	100	2.5%	NA	OK
1	cis-1,3-Dichloropropene	20.14	20	0.7%	NA	OK
1	d8-Toluene	20.25	20	1.3%	NA	OK
1	Toluene	20.37	20	1.8%	NA	OK
1	trans-1,3-Dichloropropene	19.26	20	3.7%	NA	OK
1	1,1,2-Trichloroethane	20.14	20	0.7%	NA	OK
1	1,3-Dichloropropane	18.91	20	5.5%	NA	OK
1	Tetrachloroethene	18.33	20	8.4%	NA	OK
1	Dibromochloromethane	18.88	20	5.6%	NA	OK
1	1,2-Dibromoethane	18.65	20	6.8%	NA	OK
1	Chlorobenzene	19.55	20	2.2%	NA	OK
1	1,1,1,2-Tetrachloroethane	19.71	20	1.5%	NA	OK
1	Ethylbenzene	19.82	20	0.9%	NA	OK
1	m,p-Xylene	39.44	40	1.4%	NA	OK
1	o-Xylene	19.78	20	1.1%	NA	OK
1	Styrene	20.05	20	0.2%	NA	OK
0	Bromoform	18.42	20	7.9%		OK
1	Isopropylbenzene	19.90	20	0.5%	NA	OK
1	1,1,2,2-Tetrachloroethane	18.45	20	7.7%	NA	OK
1	Bromofluorobenzene	20.05	20	0.3%	NA	OK
0	1,2,3-Trichloropropane	19.83	20	0.9%		OK
1	trans-1,4-Dichloro-2-butene	19.96	20	0.2%	NA	OK
1	n-Propylbenzene	19.72	20	1.4%	NA	OK
1	Bromobenzene	19.78	20	1.1%	NA	OK
1	1,3,5-Trimethylbenzene	20.34	20	1.7%	NA	OK
1	2-Chlorotoluene	20.52	20	2.6%	NA	OK
1	4-Chlorotoluene	19.76	20	1.2%	NA	OK
1	tert-butylbenzene	19.18	20	4.1%	NA	OK
1	1,2,4-Trimethylbenzene	19.83	20	0.8%	NA	OK
1	Diisobutylketone	101.77	100	1.8%	NA	OK
1	sec-butylbenzene	19.84	20	0.8%	NA	OK
1	p-isopropyltoluene	19.61	20	2.0%	NA	OK
1	1,3-Dichlorobenzene	19.71	20	1.4%	NA	OK
1	1,4-Dichlorobenzene	19.48	20	2.6%	NA	OK
1	n-butylbenzene	19.84	20	0.8%	NA	OK
1	1,2-Dichlorobenzene	19.81	20	0.9%	NA	OK
0	1,2-Dibromo-3-chloropropane	18.04	20	9.8%		OK
1	1,2,4-Trichlorobenzene	20.34	20	1.7%	NA	OK
1	Hexachlorobutadiene	19.86	20	0.7%	NA	OK
1	Naphthalene	19.82	20	0.9%	NA	OK
1	1,2,3-Trichlorobenzene	20.63	20	3.1%	NA	OK
1	1,3,5-Trichlorobenzene	20.95	20	4.7%	NA	OK

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D Vial: 3
Acq On : 15 Oct 2010 12:03 pm Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.17	168	175768	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.66	114	342673	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.18	117	302905	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.89	152	133673	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	8.04	65	127226	19.06 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.30%	
36) d4-1,2-Dichloroethane	8.04	65	127226	19.04 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery =	95.20%	
54) d8-Toluene	10.91	98	382650	20.25 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery =	101.25%	
73) Bromofluorobenzene	15.06	95	142949	20.05 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery =	100.25%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.70	85	89529	13.45 ug/L	98
3) Chloromethane	2.00	50	166323	18.63 ug/L	96
4) Vinyl Chloride	2.05	62	121500	18.05 ug/L	97
5) Bromomethane	2.53	94	119070	21.93 ug/L	95
6) Chloroethane	2.62	64	104252	20.47 ug/L	95
7) t-Butyl alcohol (TBA)	3.99	59	52590	83.03 ug/L #	87
8) Trichlorofluoromethane	2.96	101	204822	19.83 ug/L	97
9) Diethyl ether	3.37	74	57543	20.76 ug/L	99
10) 1,1,2-Trichlorotrifluoroet	3.60	101	113850	19.94 ug/L #	67
11) Acrolein	3.52	56	105306	282.91 ug/L	99
12) Acetone	3.63	43	219616	96.27 ug/L	98
13) 1,1-Dichloroethene	3.80	96	107972	20.32 ug/L	96
14) Methyl iodide	4.25	142	105347	21.70 ug/L	98
15) Di-isopropyl ether (DIPE)	5.64	45	522202	20.02 ug/L	98
16) Methylene Chloride	4.56	84	121141	19.89 ug/L	99
17) Carbon Disulfide	4.54	76	352733	19.64 ug/L	100
18) Acrylonitrile	4.79	53	53824	18.99 ug/L	93
19) Methyl-tert-butyl ether (M	4.89	73	270570	22.02 ug/L	97
20) trans-1,2-Dichloroethene	5.07	61	172892	19.12 ug/L	98
21) 1,1-Dichloroethane	5.76	63	218888	20.82 ug/L	99
22) Vinyl acetate	5.80	43	240219	21.84 ug/L	100
23) Methyl ethyl ketone	6.46	72	62081	98.61 ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.29	59	386144	20.19 ug/L	99
25) 2,2-Dichloropropane	6.66	77	132189	19.40 ug/L	87
26) cis-1,2-Dichloroethene	6.71	96	130081	20.07 ug/L	95
27) t-Amyl methyl ether (TAME)	8.03	73	301028	19.15 ug/L	99
29) Chloroform	6.96	83	202239	18.99 ug/L	96
30) Bromochloromethane	7.20	128	57243	20.49 ug/L	99
31) Tetrahydrofuran	7.30	71	14850	20.15 ug/L	95
32) 1,1,1-Trichloroethane	7.58	97	166131	20.01 ug/L	98
33) Ethanol	2.76	45	105655	934.14 ug/L	100
34) 1,1-Dichloropropene	7.81	75	161630	19.42 ug/L	99
35) Carbon Tetrachloride	7.96	119	105950	21.40 ug/L	99
37) 1,2-Dichloroethane	8.19	62	156962	19.71 ug/L	98
38) Benzene	8.19	78	418057	19.34 ug/L	100
40) Trichloroethene	9.13	95	127064	21.03 ug/L	100
41) 1,2-Dichloropropane	9.39	63	122521	20.48 ug/L	99
42) Methylmethacrylate	9.52	69	79648	18.42 ug/L	98
43) Methyl acetate	4.37	43	166134	21.00 ug/L #	99

VMT 10/18/10

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D Vial: 3
Acq On : 15 Oct 2010 12:03 pm Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

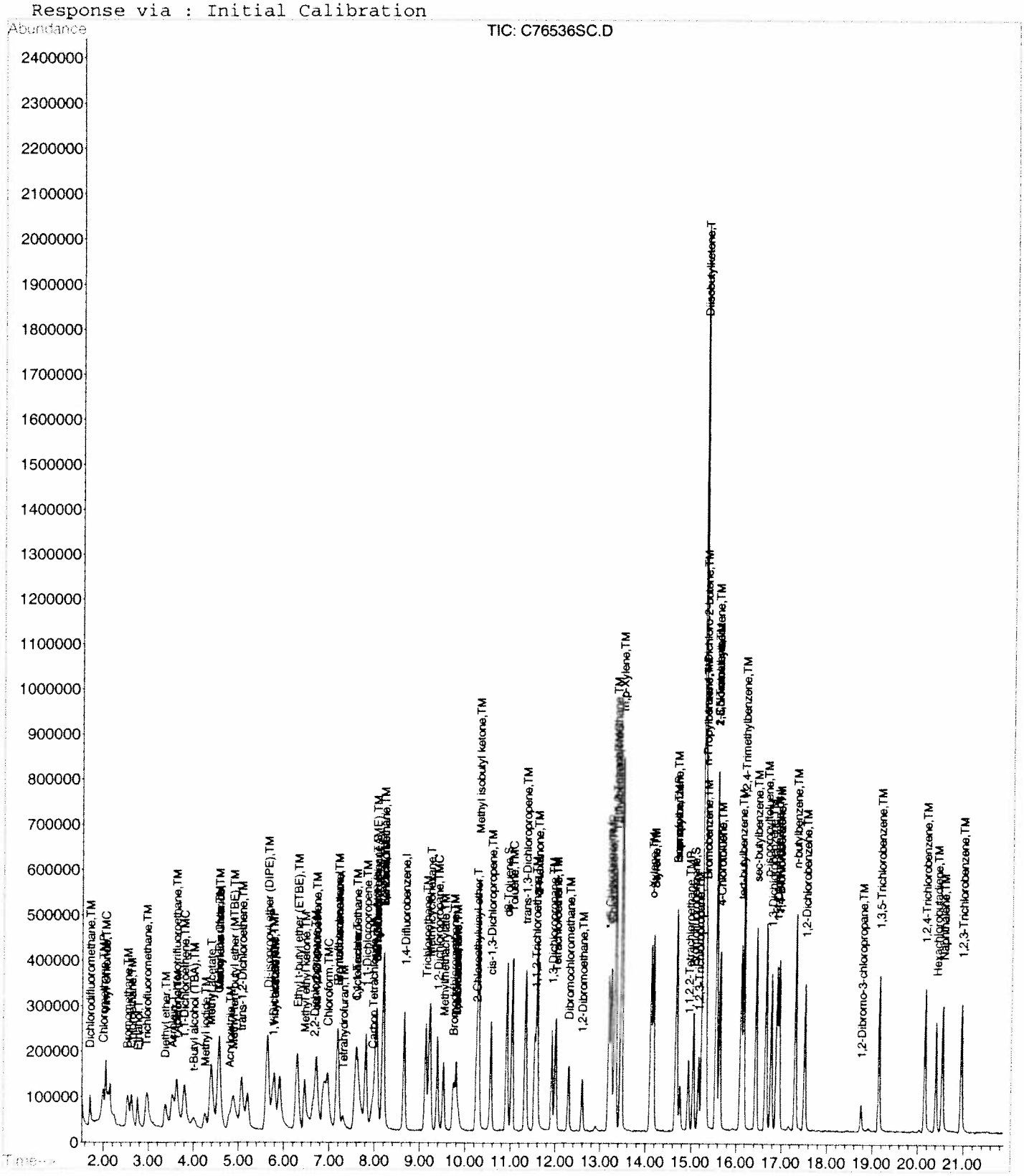
Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) Cyclohexane	7.59	56	221029	22.57 ug/L	96
45) Bromodichloromethane	9.74	83	142803	20.50 ug/L	99
46) Dibromomethane	9.80	93	85278	22.05 ug/L	99
47) 1,4-Dioxane	9.79	88	35421	475.96 ug/L	99
48) Methylcyclohexane	9.21	83	194488	22.00 ug/L	98
50) 2-Chloroethylvinyl ether	10.23	63	68459	20.18 ug/L	100
51) 2-Hexanone	11.59	58	236595	95.53 ug/L	99
52) Methyl isobutyl ketone	10.28	58	247421	97.47 ug/L	100
53) cis-1,3-Dichloropropene	10.56	75	185424	20.14 ug/L	98
55) Toluene	11.03	92	269638	20.37 ug/L	97
56) trans-1,3-Dichloropropene	11.32	75	166704	19.26 ug/L	97
58) 1,1,2-Trichloroethane	11.54	83	86292	20.14 ug/L	97
59) 1,3-Dichloropropane	11.92	76	176115	18.91 ug/L	98
60) Tetrachloroethene	12.01	166	115982	18.33 ug/L	99
61) Dibromochloromethane	12.29	129	120237	18.88 ug/L	99
62) 1,2-Dibromoethane	12.59	107	122927	18.65 ug/L	97
64) Chlorobenzene	13.24	112	307947	19.55 ug/L	99
65) 1,1,1,2-Tetrachloroethane	13.31	131	107336	19.71 ug/L	98
66) Ethylbenzene	13.33	91	488387	19.82 ug/L	99
67) m,p-Xylene	13.46	106	396387	39.44 ug/L	100
68) o-Xylene	14.12	106	191885	19.78 ug/L	97
69) Styrene	14.17	104	340356	20.05 ug/L	98
70) Bromoform	14.66	173	69128	18.42 ug/L	97
71) Isopropylbenzene	14.68	105	503040	19.90 ug/L	99
72) 1,1,2,2-Tetrachloroethane	14.94	83	137930	18.45 ug/L	98
74) 1,2,3-Trichloropropane	15.16	75	101912	19.83 ug/L	99
75) trans-1,4-Dichloro-2-buten	15.29	89	38618	19.96 ug/L	99
76) n-Propylbenzene	15.30	91	586553	19.72 ug/L	100
77) Bromobenzene	15.33	156	112438	19.78 ug/L	99
78) 1,3,5-Trimethylbenzene	15.55	105	402320	20.34 ug/L	99
79) 2-Chlorotoluene	15.56	91	370862	20.52 ug/L	97
80) 4-Chlorotoluene	15.64	91	337488	19.76 ug/L	98
81) tert-butylbenzene	16.10	119	336478	19.18 ug/L	99
82) 1,2,4-Trimethylbenzene	16.16	105	420230	19.83 ug/L	99
83) Diisobutylketone	15.25	57	1525909	101.77 ug/L	98
84) sec-butylbenzene	16.44	105	555410	19.84 ug/L	99
85) p-isopropyltoluene	16.65	119	439259	19.61 ug/L	98
86) 1,3-Dichlorobenzene	16.77	146	204001	19.71 ug/L	98
88) 1,4-Dichlorobenzene	16.94	146	209255	19.48 ug/L	100
89) n-butylbenzene	17.30	91	415190	19.84 ug/L	97
90) 1,2-Dichlorobenzene	17.51	146	191178	19.81 ug/L	94
92) 1,2-Dibromo-3-chloropropan	18.75	75	22306	18.04 ug/L	94
94) 1,2,4-Trichlorobenzene	20.15	180	149782	20.34 ug/L	96
95) Hexachlorobutadiene	20.40	225	72578	19.86 ug/L	93
96) Naphthalene	20.55	128	354227	19.82 ug/L	99
97) 1,2,3-Trichlorobenzene	20.95	180	134660	20.63 ug/L	100
98) 1,3,5-Trichlorobenzene	19.15	180	163579	20.95 ug/L	98

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D Vial: 3
Acq On : 15 Oct 2010 12:03 pm Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration



VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
ATED PURGE (Y/N): N

SDG: 67967

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
Upper Limit	393962		7.15		774998		8.65		686338		13.18		299682		16.90	
Lower limit	98491		7.03		193750		8.53		171585		13.06		74921		16.78	
SAMPLE ID																
0.2 PPB	195858		7.10		379188		8.59		335209		13.11		150145		16.83	
0.5 PPB	197160		7.10		377545		8.59		336495		13.11		150633		16.83	
1.0 PPB	198221		7.10		390972		8.59		340345		13.12		151939		16.84	
2.0 PPB	201313		7.10		385421		8.59		340024		13.12		151871		16.84	
5.0 PPB	191436		7.10		377072		8.59		326733		13.11		146462		16.83	
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
50.0 PPB	187674		7.10		375824		8.59		333454		13.12		146646		16.83	
100.0 PPB	212825		7.10		426996		8.59		369802		13.12		156214		16.84	
20 PPB ICV	136751		7.09		264160		8.59		237302		13.12		105646		16.84	
20 PPB ICV2	197193		7.10		389939		8.59		341660		13.12		149620		16.84	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\DATA\081010-C\C75996T.D
Tune Time : 10 Aug 2010 11:05 am

Daily Calibration File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D

196981 387499 343169

OK 08.11.10 149841 VMT 8/11/10

File	Sample	Surrogate Recovery %				Internal Standard Responses		
C75997SI.D	0.2 PPB	105	105	89	80	195858	379188	335209
				150145				
C75998SI.D	0.5 PPB	104	103	90	78	197160	377545	336495
				150633				
C75999SI.D	1.0 PPB	108	108	88	79	198221	390972	340345
				151939				
C76000SI.D	2.0 PPB	103	103	89	80	201313	385421	340024
				151871				
C76001SI.D	5.0 PPB	106	106	88	80	191436	377072	326733
				146462				
C76002SI.D	20.0 PPB	110	110	89	80	196981	387499	343169
				149841				
C76003SI.D	50.0 PPB	106	105	89	78	187674	375824	333454
				146646				
C76004SI.D	100.0 PP	100	100	87	77	212825	426996	369802
				156214				
C76006CC.D	20 PPB I	99	99	103	103	136751	264160	237302
				105646				
C76007CC.D	20 PPB I	101	102	100	100	197193	389939	341660
				149620				

t - fails 12hr time check * - fails criteria

Created: Wed Aug 11 09:49:34 2010 Instr_C

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
TED PURGE (Y/N): N

SDG: 67967

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	175768		7.17		342673		8.66		302905		13.18		133673		16.89	
Upper Limit	351536		7.23		685346		8.72		605810		13.24		267346		16.95	
Lower limit	87884		7.11		171337		8.60		151453		13.12		66837		16.83	
SAMPLE ID																
LS10150C,RR	195969		7.16		404249		8.66		348645		13.18		148477		16.89	
LS10150C2,RR	205315		7.16		413759		8.65		356530		13.18		149358		16.90	
MB10150C	200271		7.16		403505		8.65		349041		13.18		143402		16.89	
67967-5	184345		7.16		372482		8.65		319604		13.18		131649		16.89	
67967-1	196227		7.16		397950		8.66		342980		13.18		138843		16.89	
67967-2	196414		7.16		411257		8.65		348367		13.18		142826		16.90	
67967-3	203168		7.16		408232		8.65		347769		13.17		141893		16.89	
67967-4	198732		7.16		406028		8.65		347481		13.18		143360		16.89	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\DATA\101510-C\C76534T.D
Tune Time : 15 Oct 2010 11:11 am

Daily Calibration File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D

175768 342673 302905

133673

File	Sample	Surrogate Recovery %				Internal Standard Responses		
C76539Q.D	LS10150C	95	95	100	102	195969	404249	348645
				148477				
C76540Q.D	LS10150C	88	88	100	99	205315	413759	356530
				149358				
C76541.D	BROMOFOR	98	98	104	101	173049	338033	301632
				133208				
C76542.D	MB10150C	90	91	98	97	200271	403505	349041
				143402				
C76543.D	67967-5	106	106	112	115	184345	372482	319604
				131649				
C76544.D	68000-4	100	100	105	106	201165	414594	356612
				145607				
C76545.D	67967-1	105	105	115	111	196227	397950	342980
				138843				
C76546.D	67967-2	107	107	110	111	196414	411257	348367
				142826				
C76547.D	67967-3	99	99	108	108	203168	408232	347769
				141893				
C76548.D	67967-4	94	93	102	102	198732	406028	347481
				143360				
C76549.D	68000-1	96	96	104	104	205767	420128	354539
				145172				
C76550.D	67958-1	94	94	102	102	176560	346782	303445
				125756				
C76551.D	67959-1	96	95	101	97	170679	340241	300560
				127840				
C76552.D	67960-1	95	95	32*	97	167968	322581	284819
				126483	RR 10x			
C76553.D	67995-1,	88	88	102	97	202579	384672	335732
				148001				
C76554.D	67995-2	96	96	103	100	174653	338770	300012
				132753				
C76555.D	67996-1,	89	89	101	100	196973	376052	323736
				141648				
C76556.D	t68018-1	94	93	102	103	172839	335121	294072
	RR			128851				
C76557.D	t68018-1,	98	98	102	97	164659	331886	294452
				124995				
C76558.D	t68018-1,	94	94	101	100	172808	335641	297067
				130283				

t - fails 12hr time check

SEMI-VOLATILE DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: B100710AASE RR
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/07/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/	Result µg/kg	COMPOUND	Detection Limit µg/	Result µg/kg
Acenaphthene	267	U	2,4-dinitrophenol	700	U
Acenaphthylene	267	U	2,4-Dinitrotoluene	350	U
Anthracene	267	U	2,6-Dinitrotoluene	500	U
Benzo[a]anthracene	267	U	di-n-octyl-phthalate	500	U
Benzo[b] fluoranthene	267	U	Fluoranthene	267	U
Benzo[k] fluoranthene	267	U	Fluorene	267	U
Benzo(g,h,i) perylene	267	U	Hexachlorobenzene	350	U
Benzo[a] pyrene	267	U	Hexachlorobutadiene	500	U
Bis(2-chloroethoxy)methane	500	U	Hexachloroethane	350	U
bis(2-chloroethyl) ether	350	U	Indeno [1,2,3-cd] pyrene	267	U
bis(2-chloroisopropyl)ether	350	U	Isophorone	500	U
Bis (2-ethylhexyl) phthalate	500	U	2-Methylnaphthalene	267	U
4-bromophenyl phenyl ether	500	U	2-Methylphenol	700	U
Butyl benzyl phthalate	500	U	3+4-Methylphenol	700	U
4-Chloroaniline	500	U	Naphthalene	267	U
2-Chloronaphthalene	267	U	Nitrobenzene	500	U
2-Chlorophenol	350	U	2-Nitrophenol	700	U
Chrysene	267	U	4-Nitrophenol	700	U
Dibenz [a,h] anthracene	267	U	Pentachlorophenol	700	U
Dibenzofuran	267	U	Phenanthrene	267	U
Di-n-butyl phthalate	500	U	Phenol	700	U
1,2-Dichlorobenzene	500	U	Pyrene	267	U
1,3-Dichlorobenzene	500	U	1,2,4-Trichlorobenzene	500	U
1,4-Dichlorobenzene	350	U	2,4,5-Trichlorophenol	500	U
3,3'-Dichlorobenzidine	500	U	2,4,6-Trichlorophenol	350	U
2,4-Dichlorophenol	350	U	Acetophenone	500	U
Diethyl Phthalate	500	U	Azobenzene	500	U
2,4-Dimethylphenol	350	U			
Dimethyl Phthalate	500	U			
Aniline	500	U			

Surrogate Standard Recovery

2-Fluorophenol	57	%	d5-Phenol	62	%	d5-nitrobenzene	61	%
2-Fluorobiphenyl	66	%	2,4,6-Tribromophenol	78	%	d14-p-terphenyl	82	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270 MCP(63)

Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36204B.D
Acq On : 15 Oct 2010 7:42 am
Operator : AR/MG
Sample : B100710AASE,,RR
Misc : SOIL
ALS Vial : 11 Sample Multiplier: 1

Q

10/17/10

Quant Time: Oct 15 20:48:57 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	388874	40.00	ug/ml	0.00
19) d8-Naphthalene	5.255	136	1138981	40.00	ug/ml	0.00
35) d10-Acenaphthene	6.976	164	680856	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.403	188	1176150	40.00	ug/ml	0.00
71) d12-Chrysene	10.944	240	1202979	40.00	ug/ml	0.00
79) d12-Perylene	12.393	264	1059612	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.594	112	489264	43.03	ug/ml	0.00
Spiked Amount 75.000	Range 35 - 105		Recovery = 57.37%			
5) d5-Phenol	3.642	99	612453	46.14	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 100		Recovery = 61.52%			
20) d5-nitrobenzene	4.545	82	300775	30.60	ug/ml	0.00
Spiked Amount 50.000	Range 35 - 100		Recovery = 61.20%			
39) 2-Fluorobiphenyl	6.347	172	726777	33.05	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 105		Recovery = 66.10%			
60) 2,4,6-Tribromophenol	7.743	330	215435	58.81	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 125		Recovery = 78.41%			
73) d14-p-terphenyl	9.970	244	897707	41.01	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 125		Recovery = 82.02%			

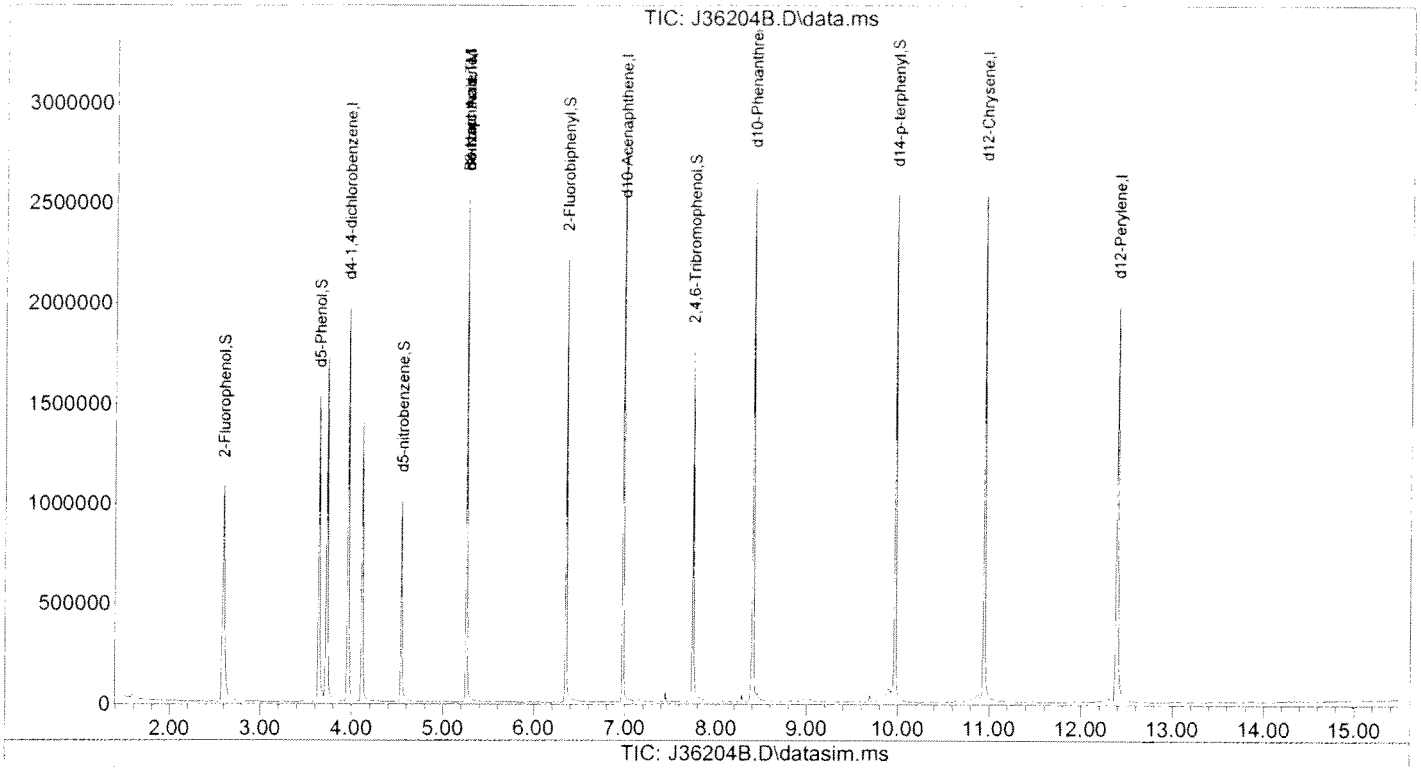
Target Compounds						Qvalue
15) bis(2-chloroisopropyl)...	4.292	45	635	Below Cal	#	70
17) Hexachloroethane	4.470	117	210	Below Cal	#	60
27) Benzoic Acid	5.255	105	1107	4.05 ug/ml	#	39
40) 2-Chloronaphthalene	6.445	162	188	Below Cal	#	37
59) Biphenyl	6.441	154	1552	Below Cal		93
67) Carbazole	8.678	167	449	Below Cal	#	63

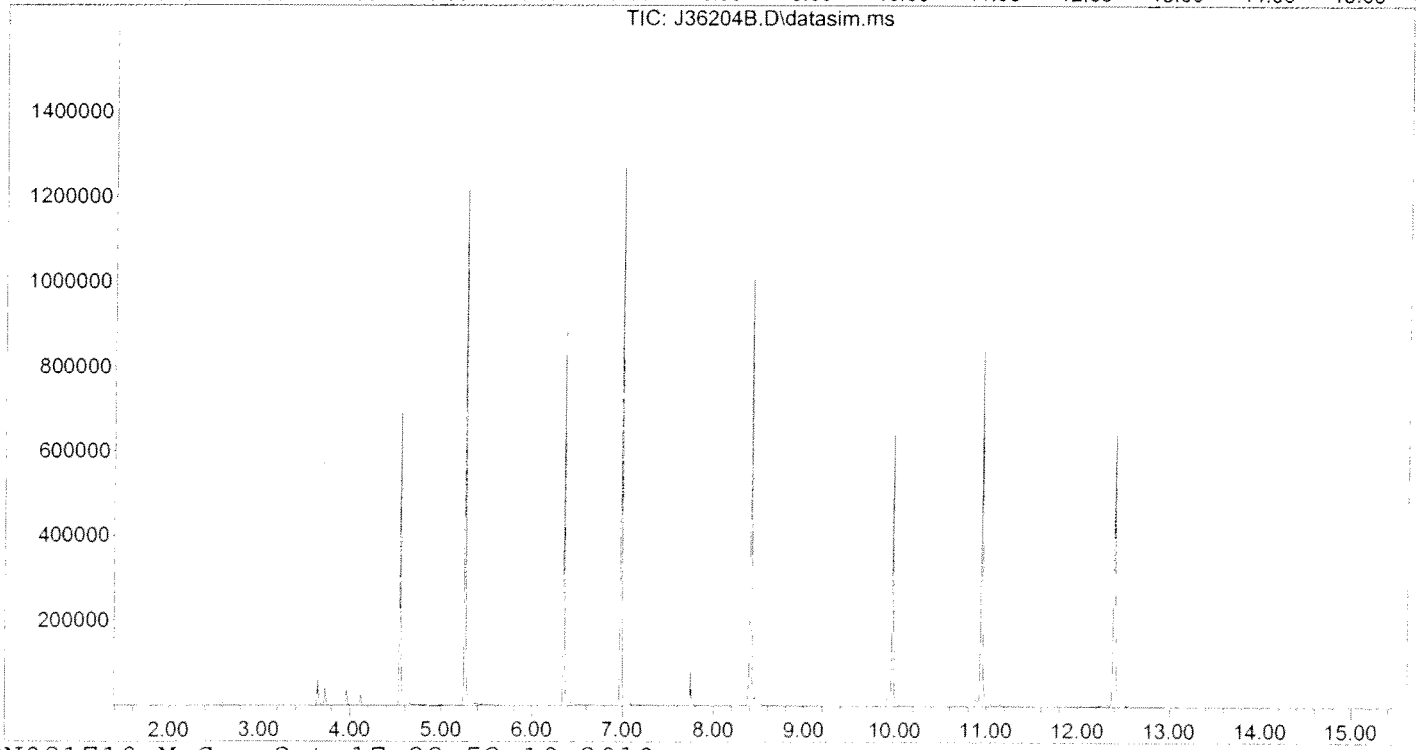
(#) = qualifier out of range (m) = manual integration (+) = signals summed

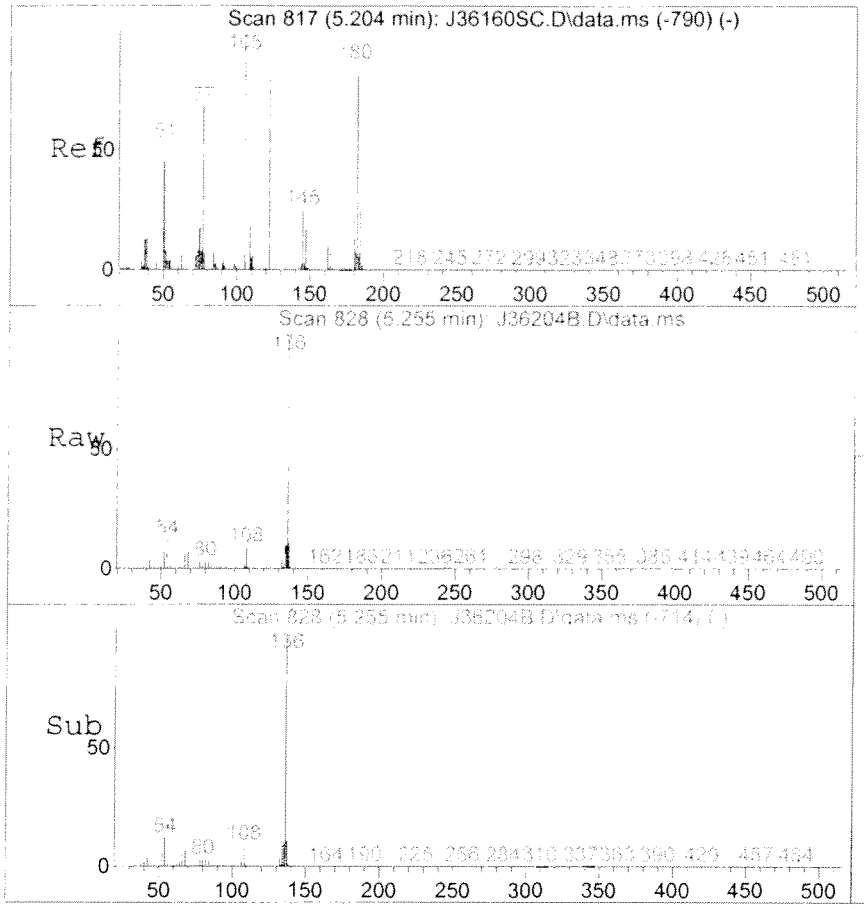
8101310

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36204B.D
Acq On : 15 Oct 2010 7:42 am
Operator : AR/MG
Sample : B100710AASE,,RR
Misc : SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 15 20:48:57 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration



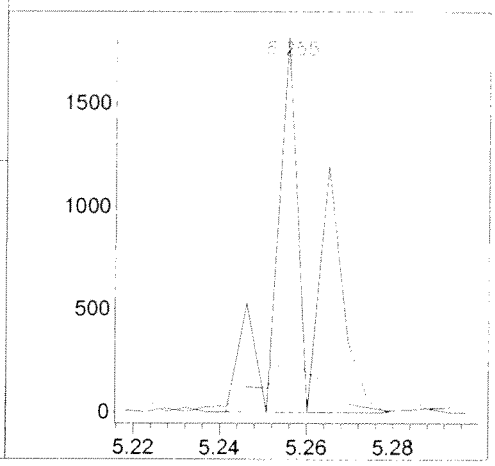




#27 X
Benzoic Acid
Concen: 4.05 ug/ml
RT: 5.255 min Scan# 828
Delta R.T. 0.033 min
Lab File: J36204B.D
Acq: 15 Oct 2010 7:42 am

Tgt Ion:105 Resp: 1107

Ion	Ratio	Lower	Upper
105	100		
122	25.7	63.4	95.0#



31012010

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36204B.D
Acq On : 15 Oct 2010 7:42 am
Operator : AR/MG
Sample : B100710AASE,,RR
Misc : SOIL
ALS Vial : 11 Sample Multiplier: 1

MC 10/18/10

Quant Time: Oct 18 01:09:25 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	388874	40.00	ug/ml	0.02
19) d8-Naphthalene	5.255	136	1126246	40.00	ug/ml	0.01
35) d10-Acenaphthene	6.976	164	674507	40.00	ug/ml	0.01
61) d10-Phenanthrene	8.403	188	1176150	40.00	ug/ml	0.01
71) d12-Chrysene	10.944	240	1203690	40.00	ug/ml	0.01
79) d12-Perylene	12.393	264	1060647	40.00	ug/ml	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	2.594	112	485119	42.63	ug/ml	0.00
Spiked Amount 75.000	Range 29 - 97		Recovery = 56.84%			
5) d5-Phenol	3.642	99	610025	45.95	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 61.27%			
20) d5-nitrobenzene	4.545	82	300775	30.99	ug/ml	0.01
Spiked Amount 50.000	Range 20 - 101		Recovery = 61.98%			
39) 2-Fluorobiphenyl	6.347	172	712704	32.62	ug/ml	0.01
Spiked Amount 50.000	Range 34 - 102		Recovery = 65.24%			
60) 2,4,6-Tribromophenol	7.743	330	213738	59.25	ug/ml	0.01
Spiked Amount 75.000	Range 36 - 141		Recovery = 79.00%			
73) d14-p-terphenyl	9.970	244	896087	40.83	ug/ml	0.02
Spiked Amount 50.000	Range 38 - 108		Recovery = 81.66%			

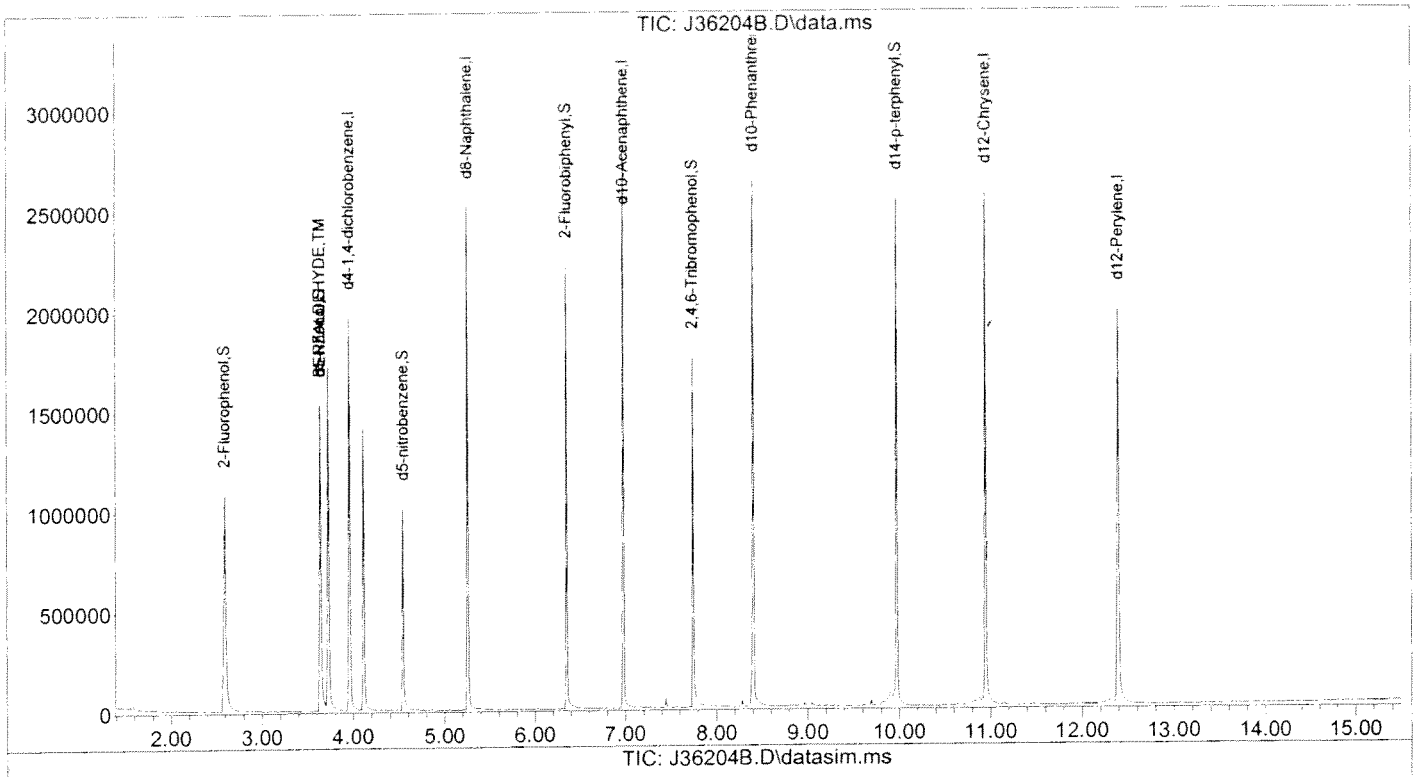
Target Compounds						Qvalue
2) BENZALDEHYDE	3.647	77	1105	0.15	ug/ml #	1
62) Octadecane	8.412	57	1100	Below Cal	#	77

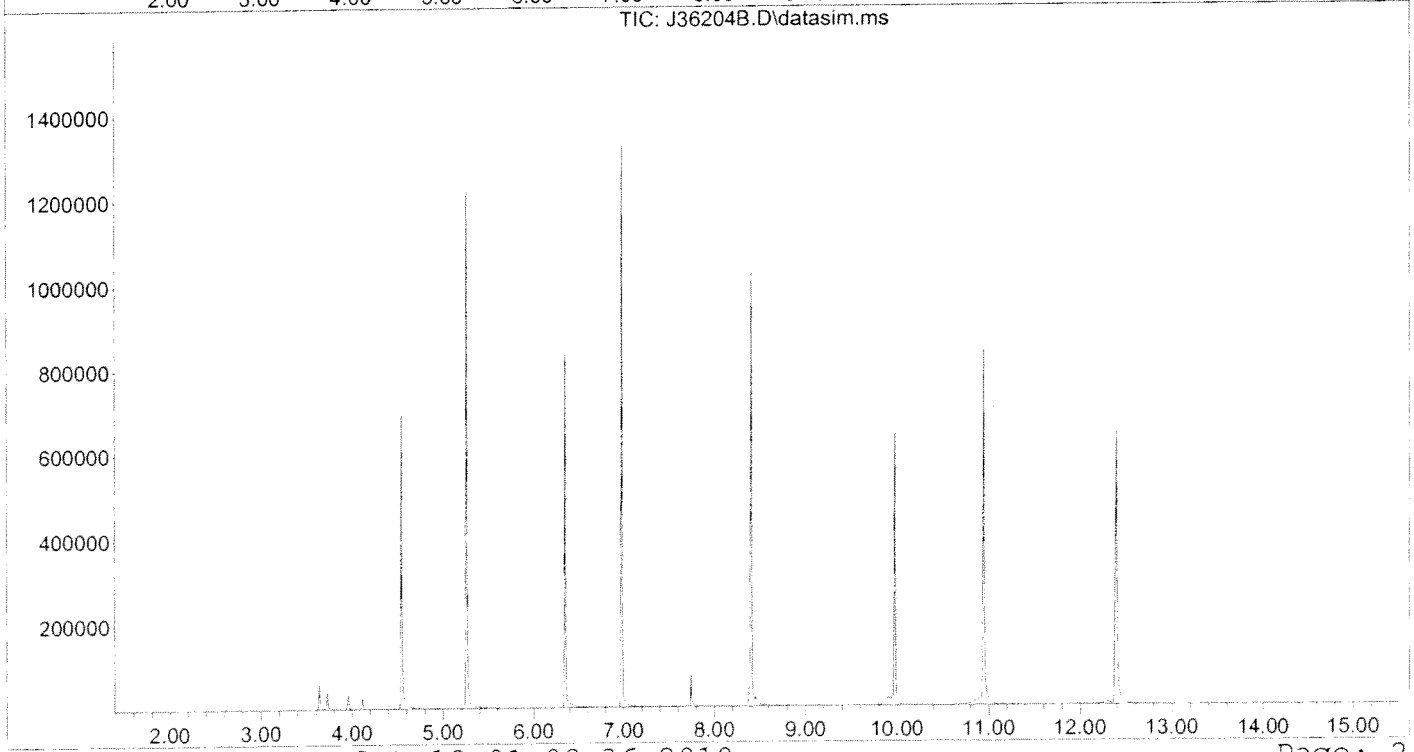
(#) = qualifier out of range (m) = manual integration (+) = signals summed

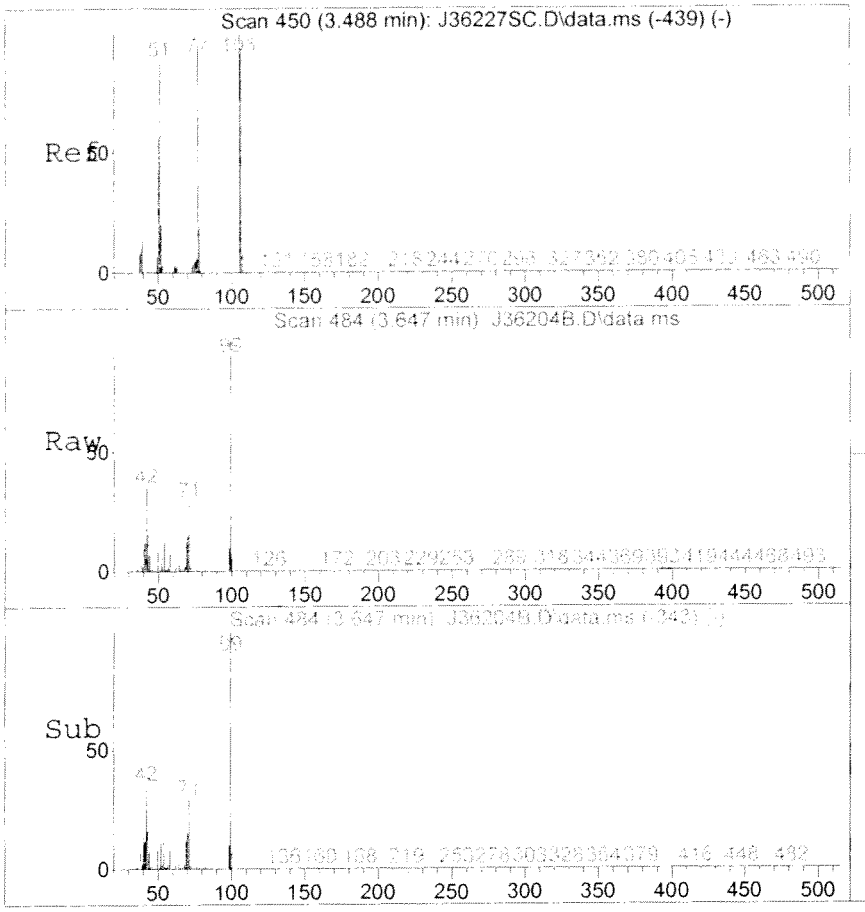
3/01/31

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36204B.D
Acq On : 15 Oct 2010 7:42 am
Operator : AR/MG
Sample : B100710AASE,,RR
Misc : SOIL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 18 01:09:25 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration



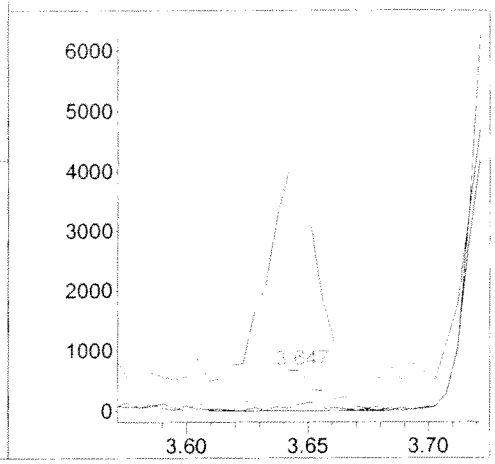




#2 X
BENZALDEHYDE
Concen: 0.15 ug/ml
RT: 3.647 min Scan# 484
Delta R.T. 0.159 min
Lab File: J36204B.D
Acq: 15 Oct 2010 7:42 am

Tgt Ion: 77 Resp: 1105

Ion	Ratio	Lower	Upper
77	100		
105	0.0	84.4	126.6#
51	451.4	76.0	114.0#



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Percent Solid: 79
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/07/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-DC-01

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/	Result µg/kg	COMPOUND	Detection Limit µg/	Result µg/kg
Acenaphthene	330	U	2,4-dinitrophenol	870	U
Acenaphthylene	330	U	2,4-Dinitrotoluene	440	U
Anthracene	330	U	2,6-Dinitrotoluene	620	U
Benzo[a]anthracene	330	U	di-n-octyl-phthalate	620	U
Benzo[b] fluoranthene	330	**218 J**	Fluoranthene	330	**379**
Benzo[k] fluoranthene	330	U	Fluorene	330	U
Benzo(g,h,i) perylene	330	U	Hexachlorobenzene	440	U
Benzo[a] pyrene	330	U	Hexachlorobutadiene	620	U
Bis(2-chloroethoxy)methane	620	U	Hexachloroethane	440	U
bis(2-chloroethyl) ether	440	U	Indeno [1,2,3-cd] pyrene	330	U
bis(2-chloroisopropyl)ether	440	U	Isophorone	620	U
Bis (2-ethylhexyl) phthalate	620	U	2-Methylnaphthalene	330	U
4-bromophenyl phenyl ether	620	U	2-Methylphenol	870	U
Butyl benzyl phthalate	620	U	3+4-Methylphenol	870	U
4-Chloroaniline	620	U	Naphthalene	330	U
2-Chloronaphthalene	330	U	Nitrobenzene	620	U
2-Chlorophenol	440	U	2-Nitrophenol	870	U
Chrysene	330	**171 J**	4-Nitrophenol	870	U
Dibenz [a,h] anthracene	330	U	Pentachlorophenol	870	U
Dibenzofuran	330	U	Phenanthrene	330	**310 J**
Di-n-butyl phthalate	620	U	Phenol	870	U
1,2-Dichlorobenzene	620	U	Pyrene	330	**368**
1,3-Dichlorobenzene	620	U	1,2,4-Trichlorobenzene	620	U
1,4-Dichlorobenzene	440	U	2,4,5-Trichlorophenol	620	U
3,3'-Dichlorobenzidine	620	U	2,4,6-Trichlorophenol	440	U
2,4-Dichlorophenol	440	U	Acetophenone	620	U
Diethyl Phthalate	620	U	Azobenzene	620	U
2,4-Dimethylphenol	440	U			
Dimethyl Phthalate	620	U			
Aniline	620	U			

Surrogate Standard Recovery

2-Fluorophenol	62	%	d5-Phenol	73	%	d5-nitrobenzene	72	%
2-Fluorobiphenyl	77	%	2,4,6-Tribromophenol	88	%	d14-p-terphenyl	79	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270 MCP(63)

Authorized signature

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36221.D
Acq On : 15 Oct 2010 1:40 pm
Operator : AR/MG
Sample : 67967-1
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

DF = 1.24

10/18/10

Quant Time: Oct 17 23:52:44 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sun Oct 17 23:51:20 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	383938	40.00 ug/ml	0.02
19) d8-Naphthalene	5.256	136	1127912	40.00 ug/ml	0.01
35) d10-Acenaphthene	6.981	164	651720	40.00 ug/ml	0.02
61) d10-Phenanthrene	8.408	188	1141975	40.00 ug/ml	0.02
71) d12-Chrysene	10.948	240	1052559	40.00 ug/ml	0.01
79) d12-Perylene	12.400	264	964272	40.00 ug/ml	0.02

System Monitoring Compounds					
4) 2-Fluorophenol	2.604	112	523821	46.66 ug/ml	0.02
Spiked Amount 75.000	Range 35 - 105		Recovery = 62.21%		
5) d5-Phenol	3.656	99	717888	54.78 ug/ml	0.02
Spiked Amount 75.000	Range 40 - 100		Recovery = 73.04%		
20) d5-nitrobenzene	4.545	82	350832	36.04 ug/ml	0.01
Spiked Amount 50.000	Range 35 - 100		Recovery = 72.08%		
39) 2-Fluorobiphenyl	6.351	172	799102	38.55 ug/ml	0.02
Spiked Amount 50.000	Range 45 - 105		Recovery = 77.10%		
60) 2,4,6-Tribromophenol	7.748	330	232410	66.28 ug/ml	0.02
Spiked Amount 75.000	Range 40 - 125		Recovery = 88.37%		
73) d14-p-terphenyl	9.970	244	755639	39.45 ug/ml	0.02
Spiked Amount 50.000	Range 30 - 125		Recovery = 78.90%		

Target Compounds					Qvalue
15) bis(2-chloroisopropyl)...	4.259	45	216	Below Cal #	70
17) Hexachloroethane	4.456	117	102	Below Cal #	1
27) Benzoic Acid LJ	5.125	105	12678	5.86 ug/ml	92
31) 4-Chloroaniline	5.377	127	115	Below Cal #	1
40) 2-Chloronaphthalene	6.419	162	632	Below Cal #	1
47) 2,4-dinitrophenol	7.175	184	105	5.66 ug/ml#	1
54) 4-Chlorophenyl phenyl ...	7.530	204	123	Below Cal #	1
55) 4-Nitroaniline	7.549	138	359	2.11 ug/ml#	73
56) 4,6-Dinitro-2-methylph...	7.670	198	275	2.46 ug/ml#	1
J 59) Biphenyl	6.437	154	2164	Below Cal	93
65) Phenanthrene	8.426	178	123907	3.74 ug/ml	99
67) Carbazole	8.656	167	11945	Below Cal #	93
69) Fluoranthene 379 ng/kg	9.566	202	168029	4.56 ug/ml	99
72) Pyrene	9.775	202	155428	4.43 ug/ml	98
J 76) Chrysene	10.971	228	60628	2.06 ug/ml	98
J 81) Benzo[b] fluoranthene	11.997	252	76371m	2.62 ug/ml	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

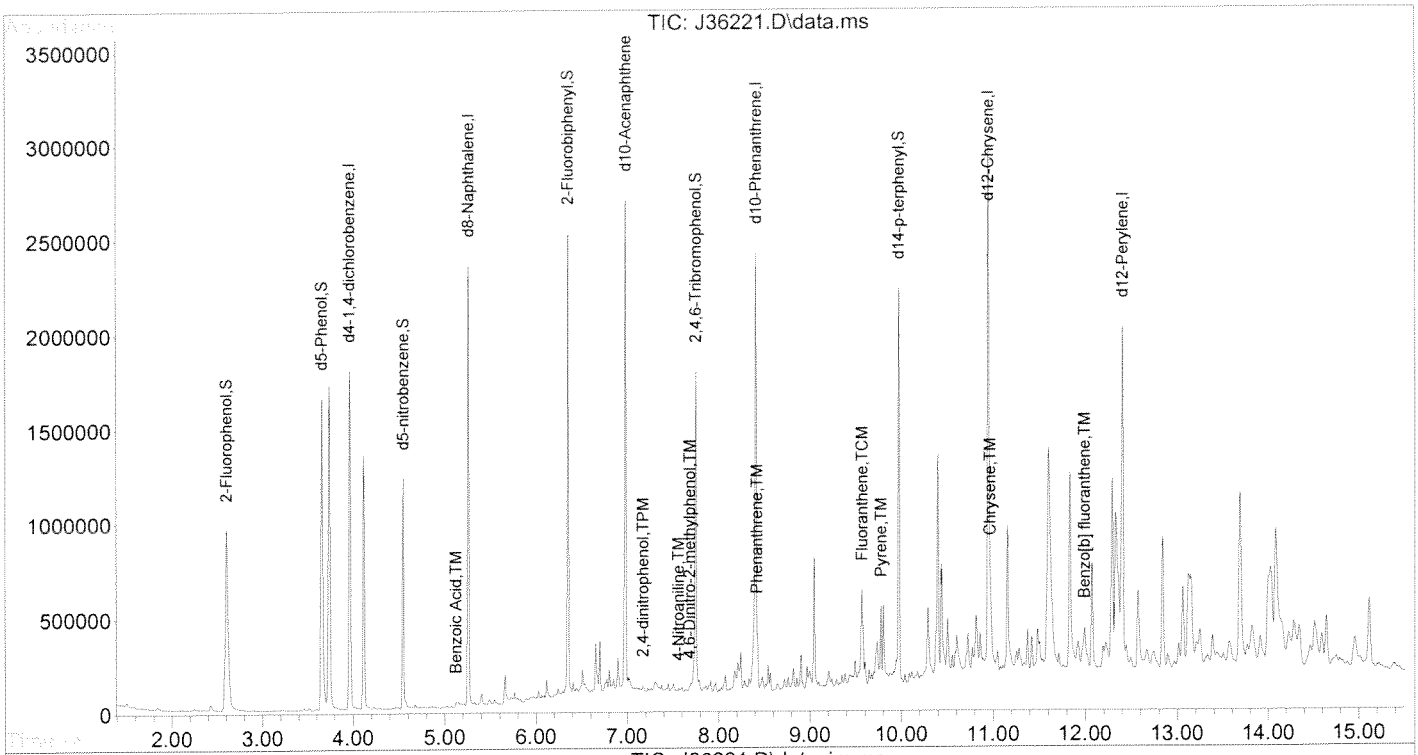
15.29g InlFV %SD = 78.74

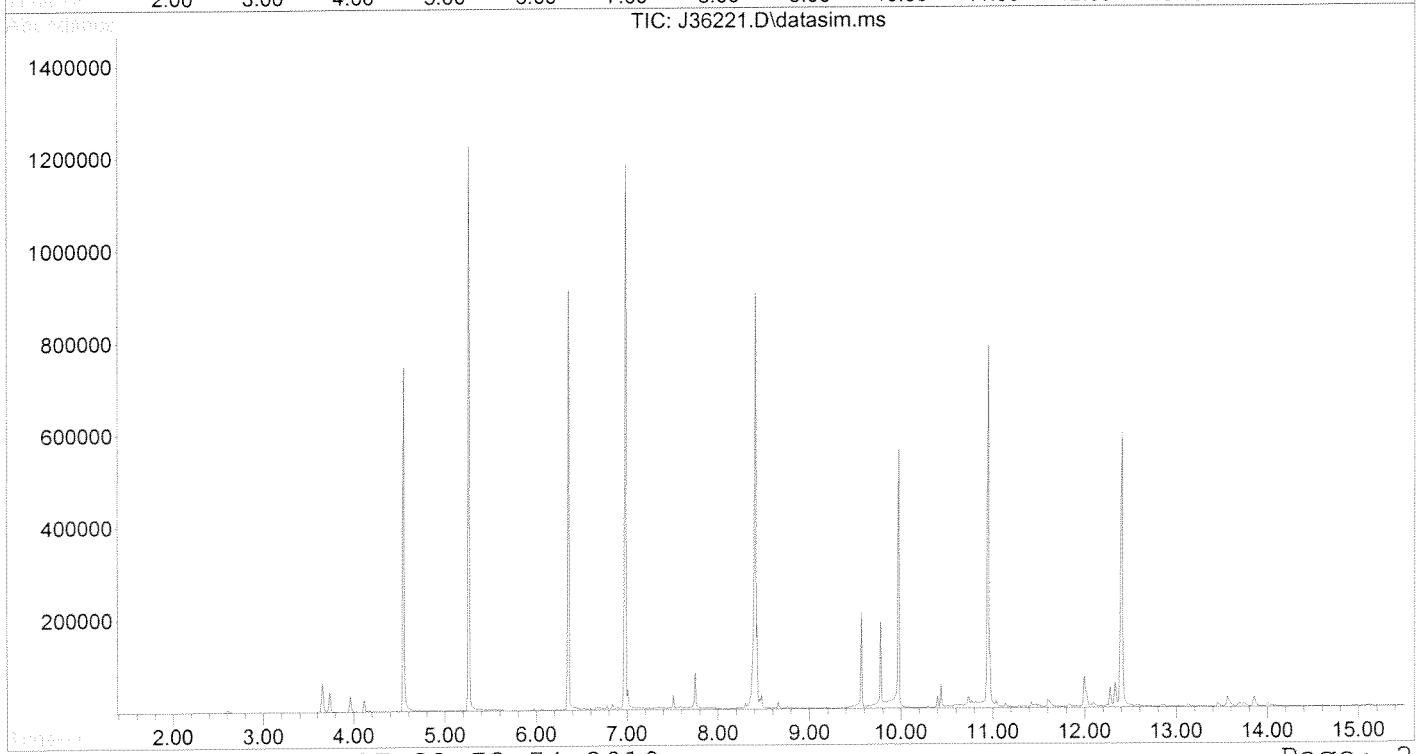
10/18/10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36221.D
Acq On : 15 Oct 2010 1:40 pm
Operator : AR/MG
Sample : 67967-1
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 17 23:52:44 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sun Oct 17 23:51:20 2010
Response via : Initial Calibration



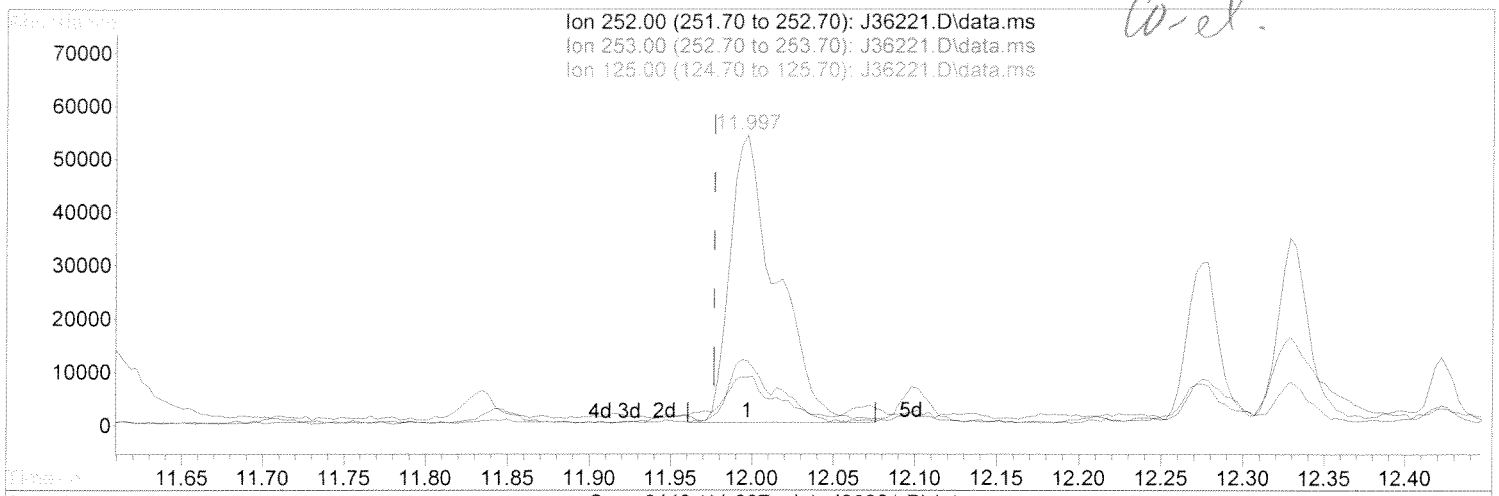


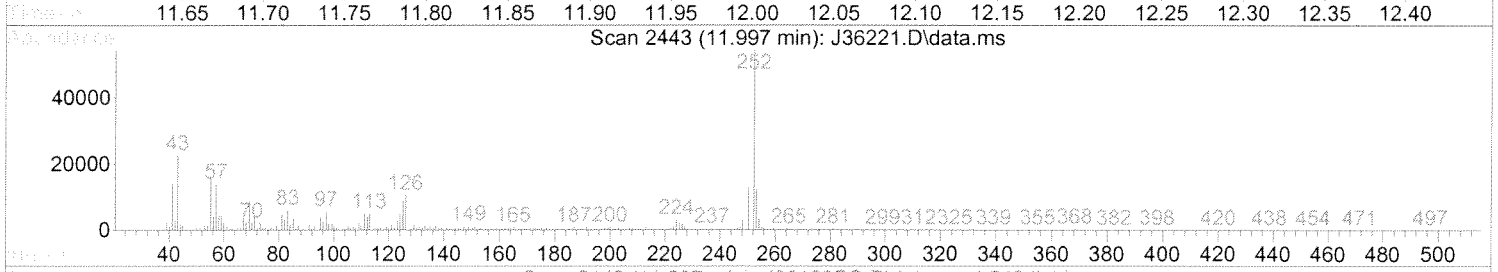
Quantitation Report (Qedit)

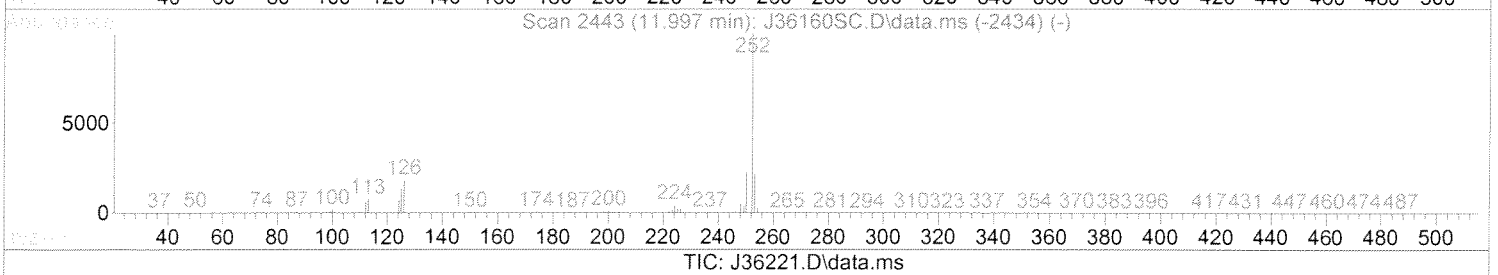
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36221.D
Acq On : 15 Oct 2010 1:40 pm
Operator : AR/MG
Sample : 67967-1
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 17 23:52:03 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sun Oct 17 23:51:20 2010
Response via : Initial Calibration

10/18/10
Co-el.







TIC: J36221.D\data.ms

(81) Benzo[b] fluoranthene (TM)

11.997min (+0.020) 3.71ug/ml

response 108241

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	21.66
125.00	13.60	15.34
0.00	0.00	0.00

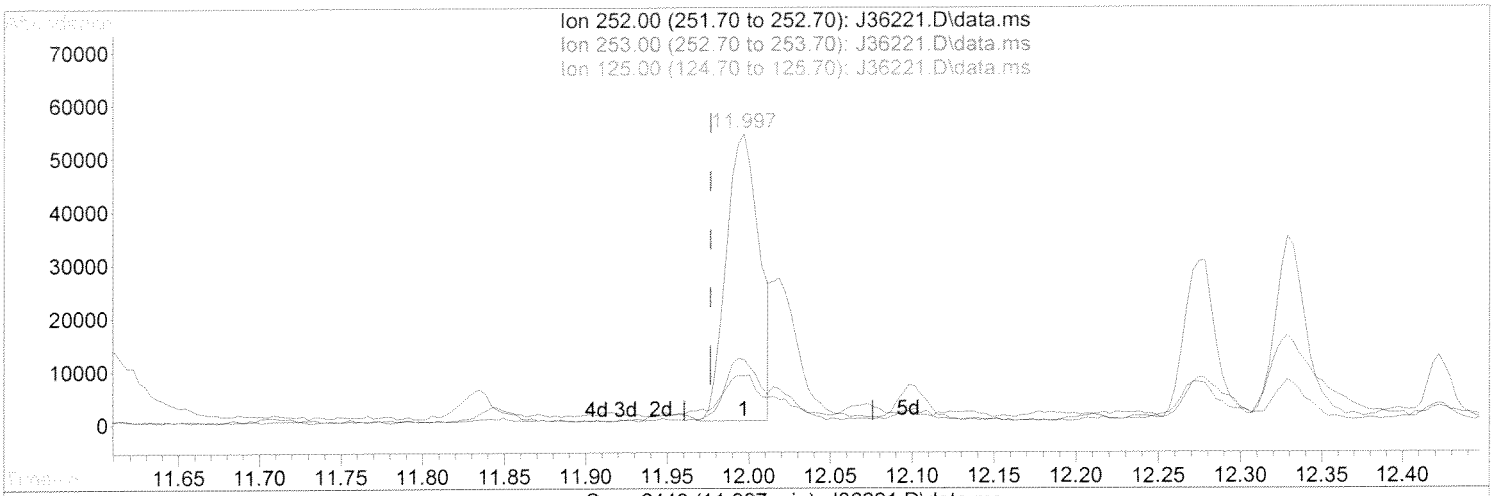
3/01810

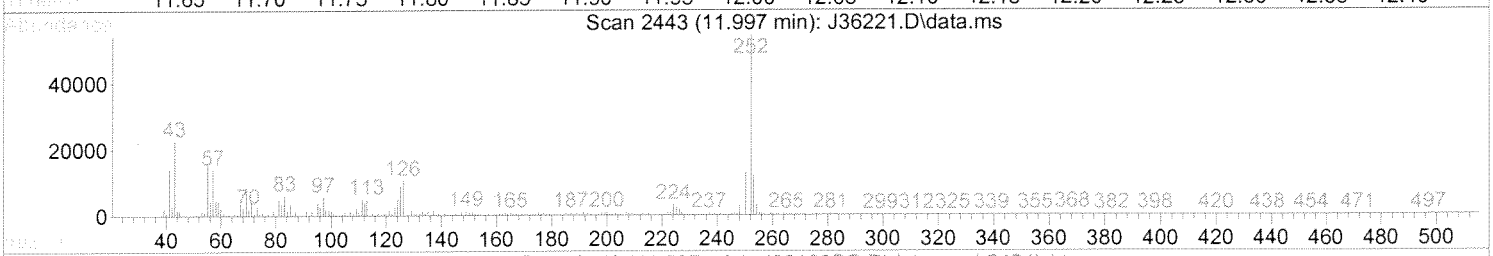
Quantitation Report (Qedit)

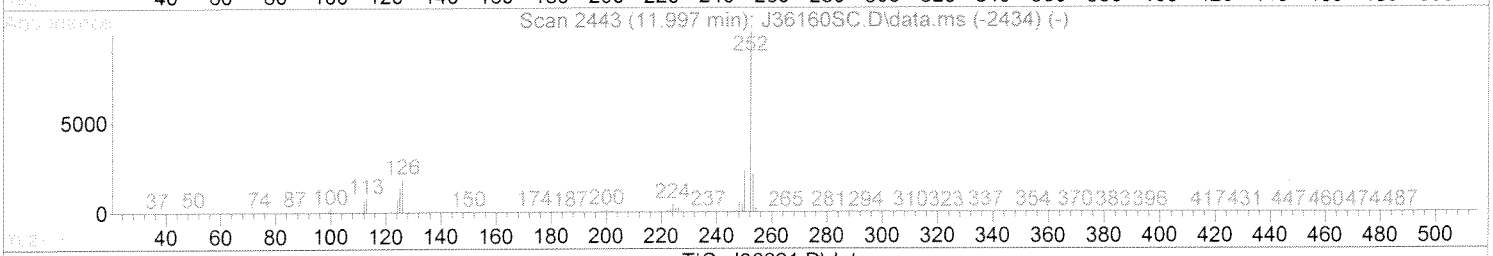
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36221.D
Acq On : 15 Oct 2010 1:40 pm
Operator : AR/MG
Sample : 67967-1
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 17 23:52:03 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sun Oct 17 23:51:20 2010
Response via : Initial Calibration

AK 10/18/10







TIC: J36221.D\data.ms

(81) Benzo[b] fluoranthene (TM)

11.997min (+0.020) 2.62ug/ml m

response 76371

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	30.70#
125.00	13.60	21.74#
0.00	0.00	0.00

310816

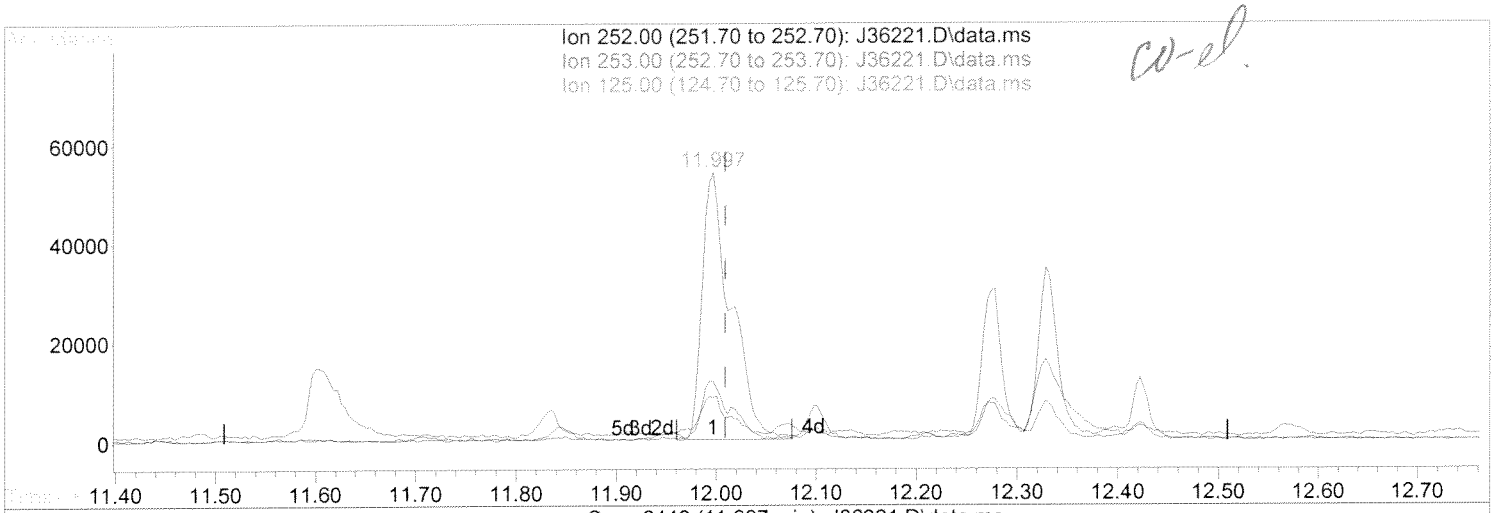
Quantitation Report (Qedit)

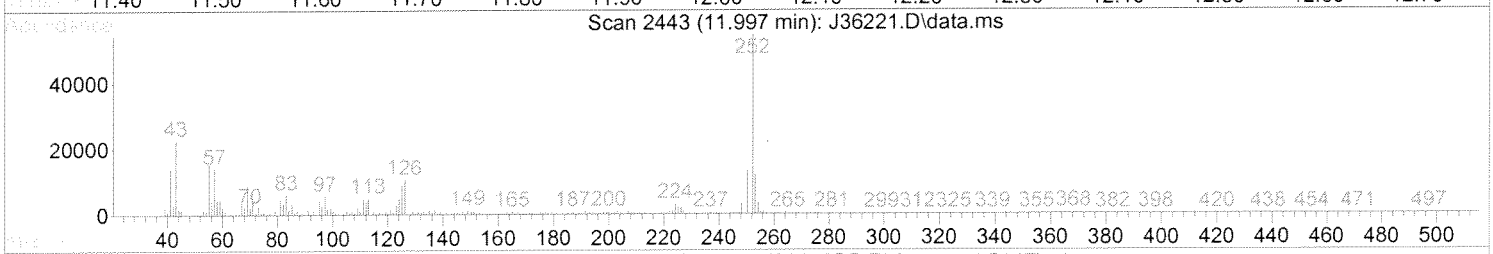
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36221.D
Acq On : 15 Oct 2010 1:40 pm
Operator : AR/MG
Sample : 67967-1
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

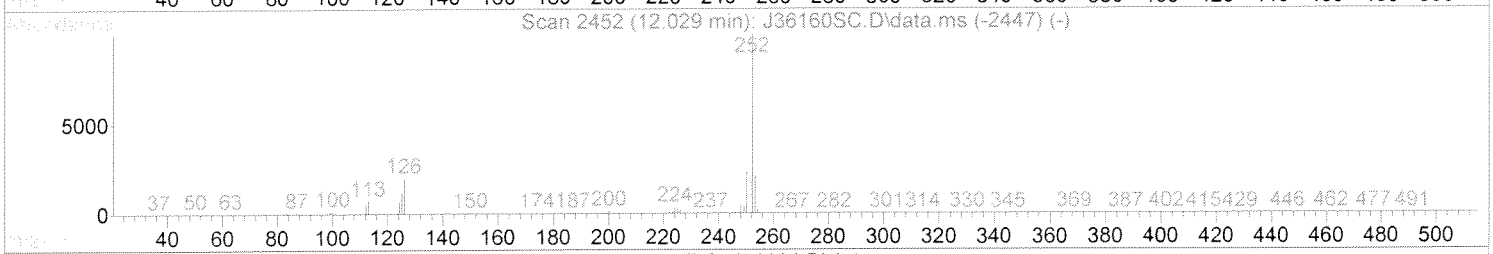
Quant Time: Oct 17 23:52:03 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sun Oct 17 23:51:20 2010
Response via : Initial Calibration

AM 10/18/10

co-el.







TIC: J36221.D\data.ms

(82) Benzo[k] fluoranthene (TM)

11.997min (-0.012) 3.61ug/ml

response 108241

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	21.66
125.00	13.20	15.34
0.00	0.00	0.00

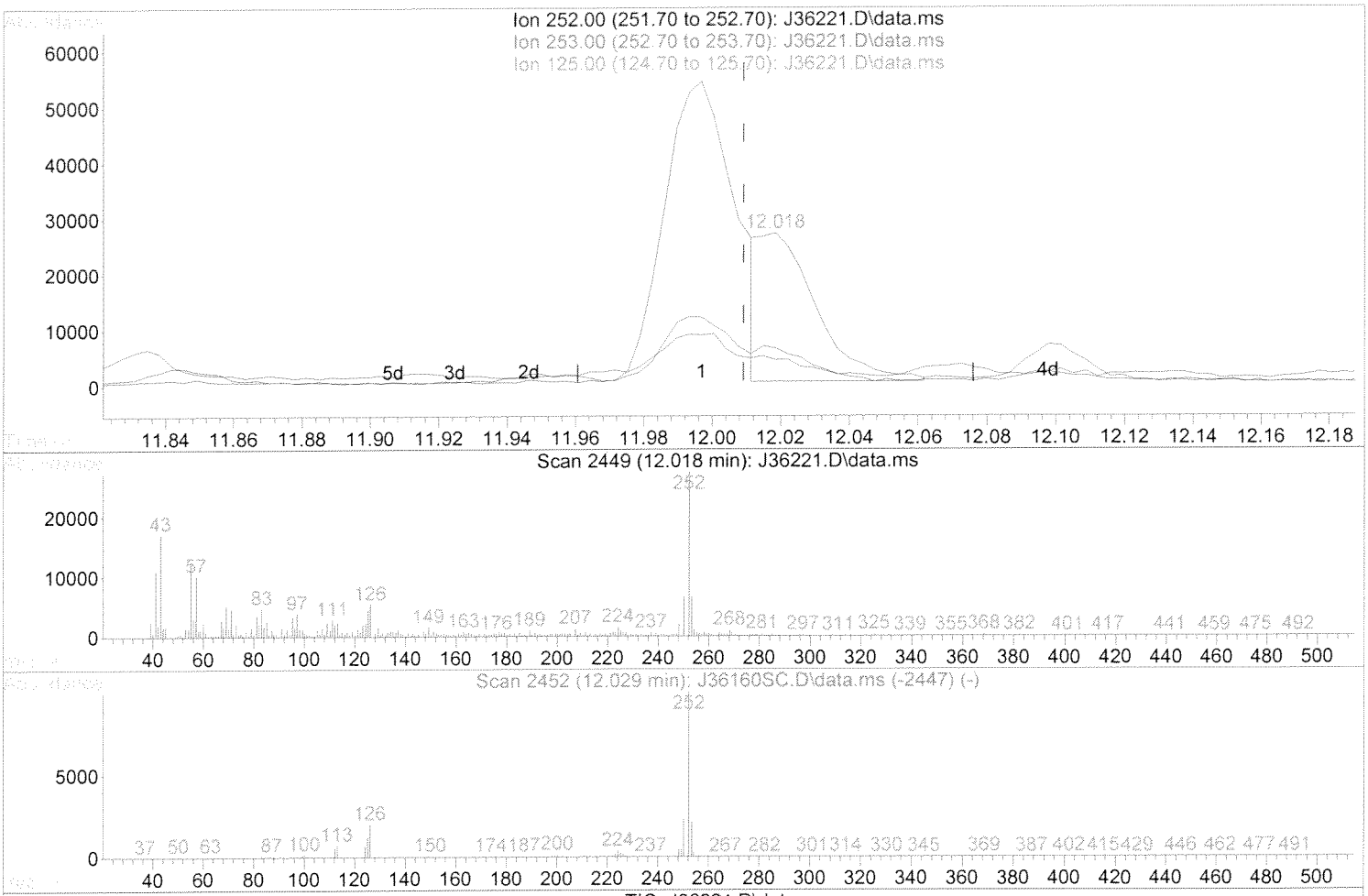
310810

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36221.D
Acq On : 15 Oct 2010 1:40 pm
Operator : AR/MG
Sample : 67967-1
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 17 23:52:03 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sun Oct 17 23:51:20 2010
Response via : Initial Calibration

AR 10/18/10



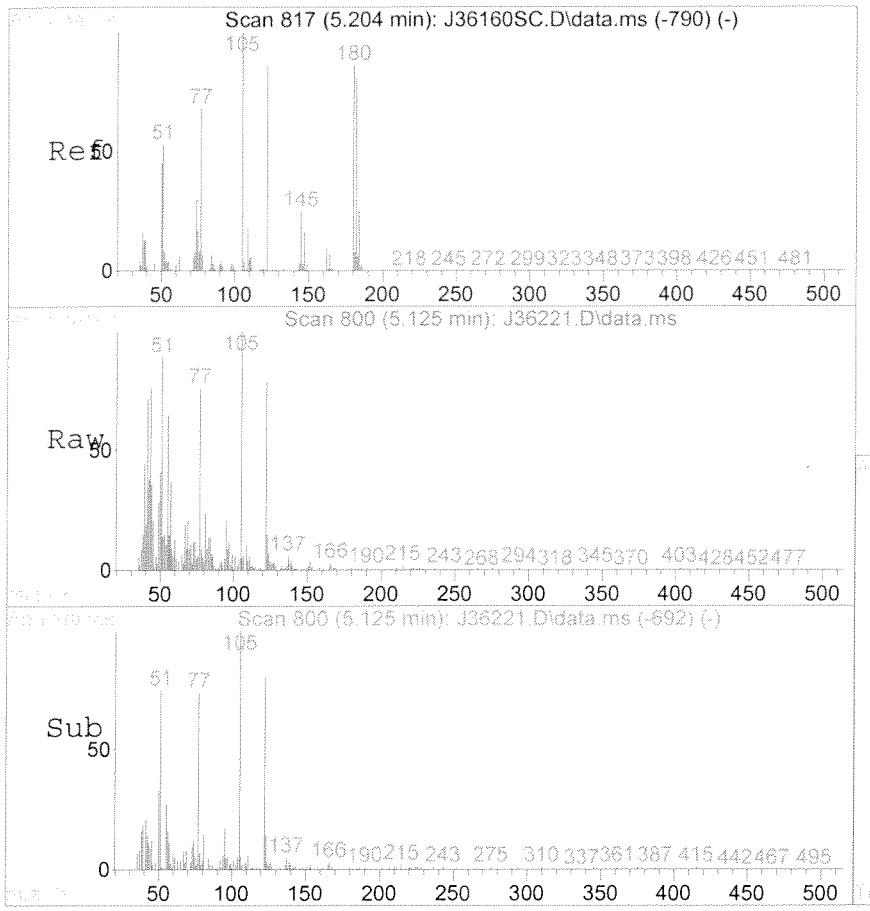
(82) Benzo[k] fluoranthene (TM)

12.018min (+0.009) 1.03ug/ml m

response 30467

Ion	Exp%	Act%
252.00	100	100
253.00	21.50	76.96#
125.00	13.20	54.49#
0.00	0.00	0.00

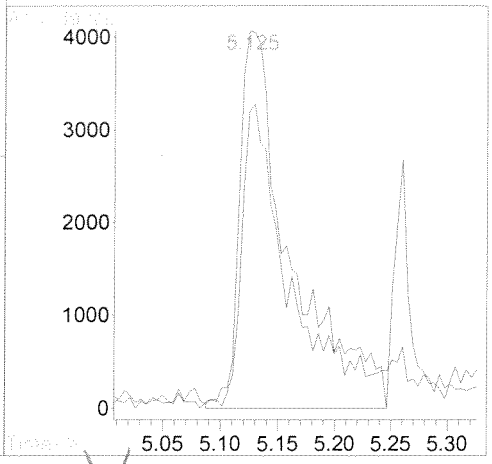
10/18/10

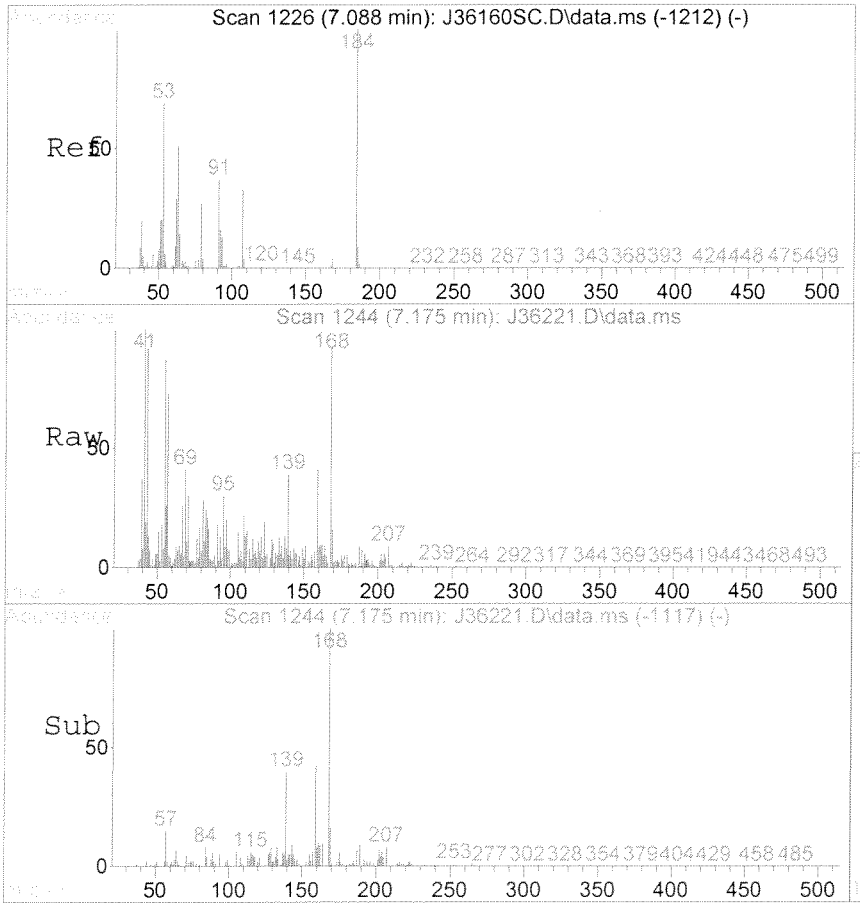


#27 ✓ LJ
Benzoic Acid
Concen: 5.86 ug/ml
RT: 5.125 min Scan# 800
Delta R.T. 0.005 min
Lab File: J36221.D
Acq: 15 Oct 2010 1:40 pm

Tgt Ion:105 Resp: 12678

Ion	Ratio	Lower	Upper
105	100		
122	73.1	64.0	96.0

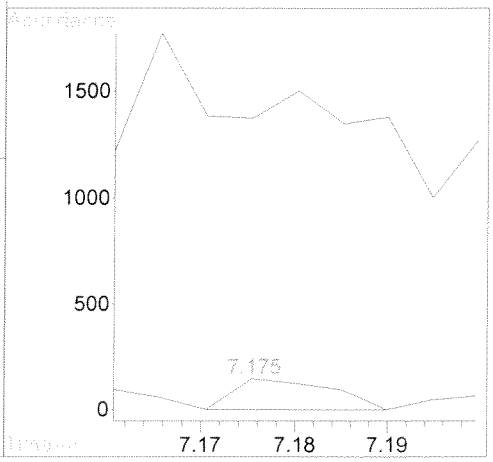


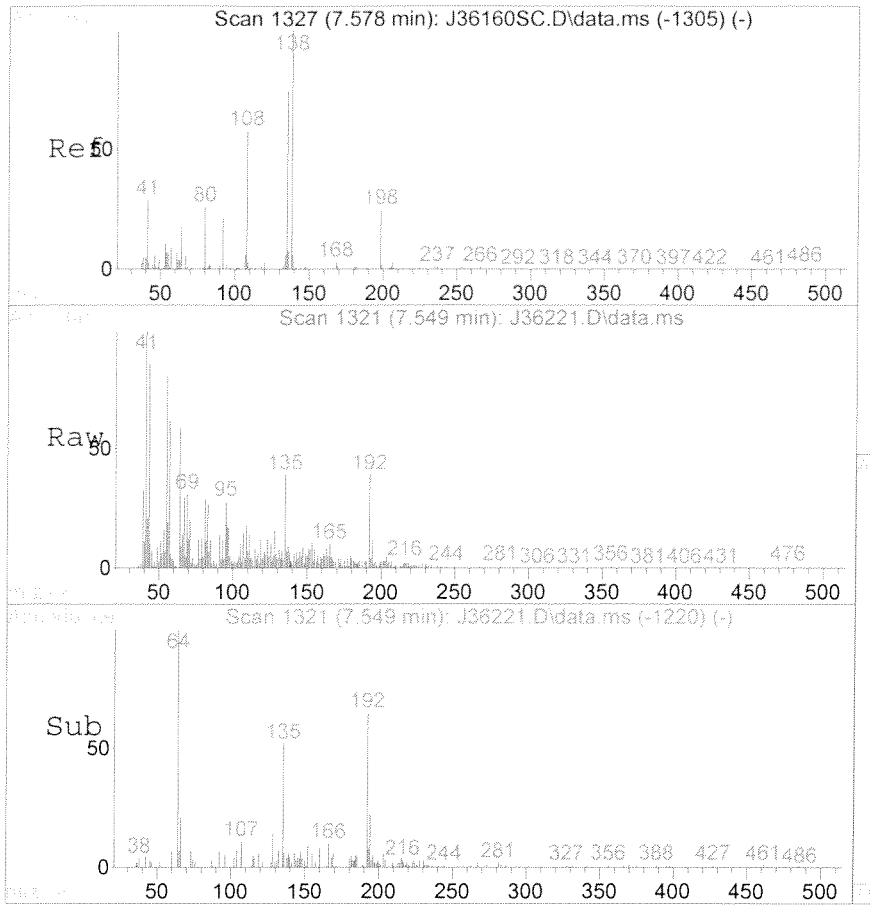


#47 ✓
2,4-dinitrophenol
Concen: 5.66 ug/ml
RT: 7.175 min Scan# 1244
Delta R.T. 0.107 min
Lab File: J36221.D
Acq: 15 Oct 2010 1:40 pm

Tgt Ion:184 Resp: 105

Ion	Ratio	Lower	Upper
184	100		
91	1001.9	30.7	46.1#

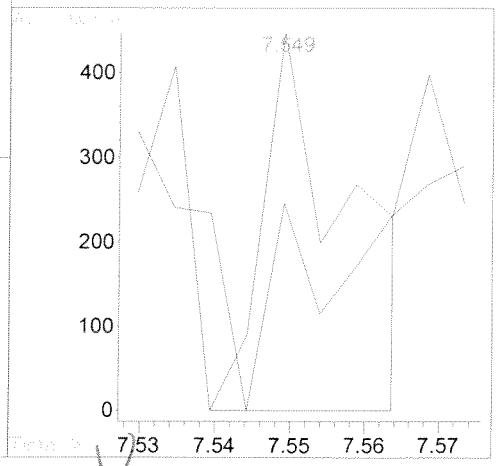


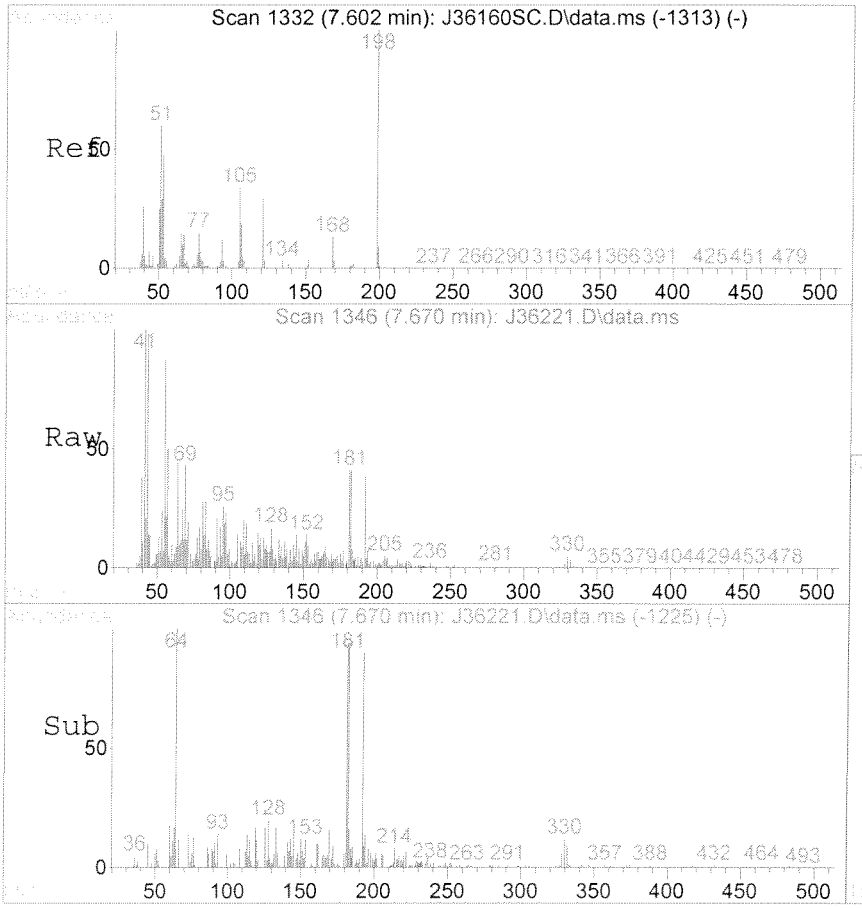


#55
4-Nitroaniline
Concen: 2.11 ug/ml
RT: 7.549 min Scan# 1321
Delta R.T. -0.009 min
Lab File: J36221.D
Acq: 15 Oct 2010 1:40 pm

Tgt Ion:138 Resp: 359

Ion	Ratio	Lower	Upper
138	100		
92	0.0	7.9	11.9#

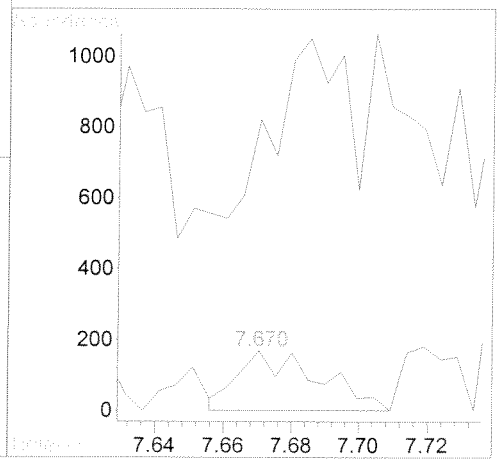


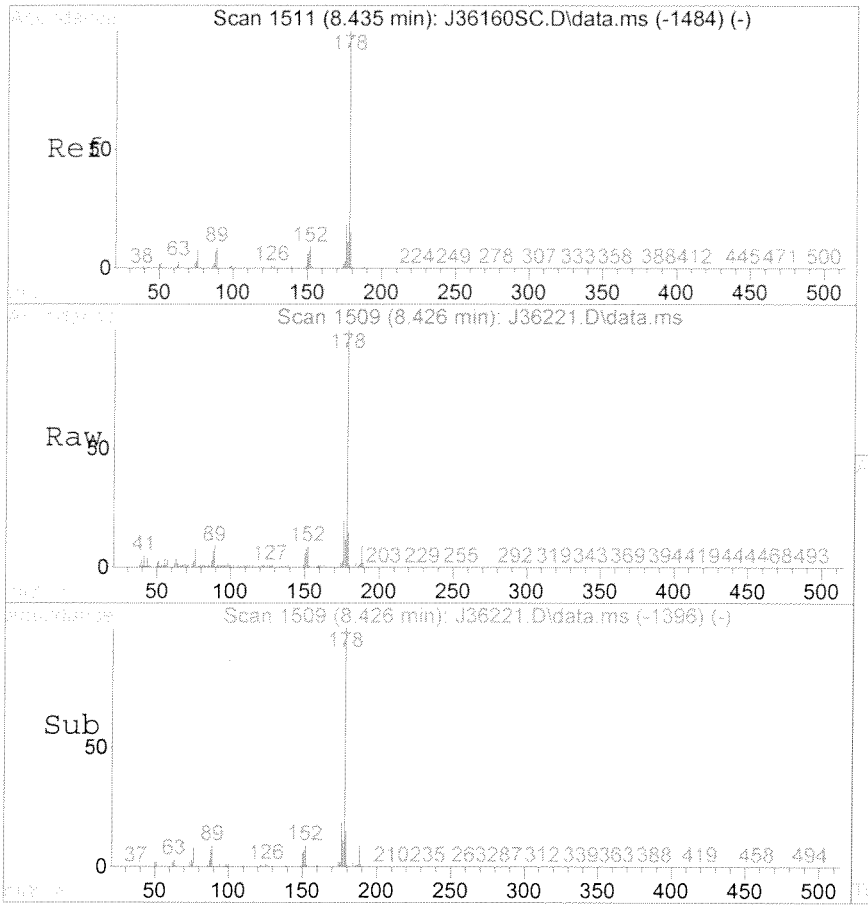


#56
4,6-Dinitro-2-methylphenol
Concen: 2.46 ug/ml
RT: 7.670 min Scan# 1346
Delta R.T. 0.088 min
Lab File: J36221.D
Acq: 15 Oct 2010 1:40 pm

Tgt Ion:198 Resp: 275

Ion	Ratio	Lower	Upper
198	100		
121	254.2	22.5	33.7#

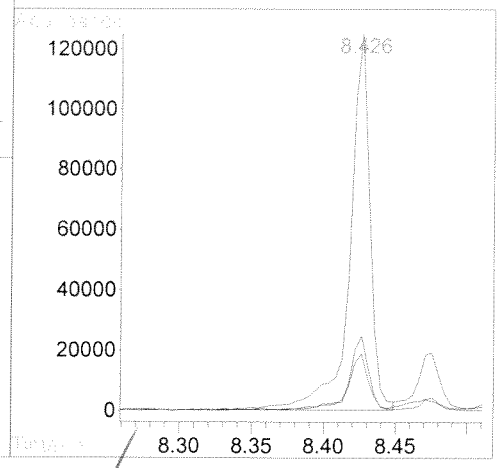


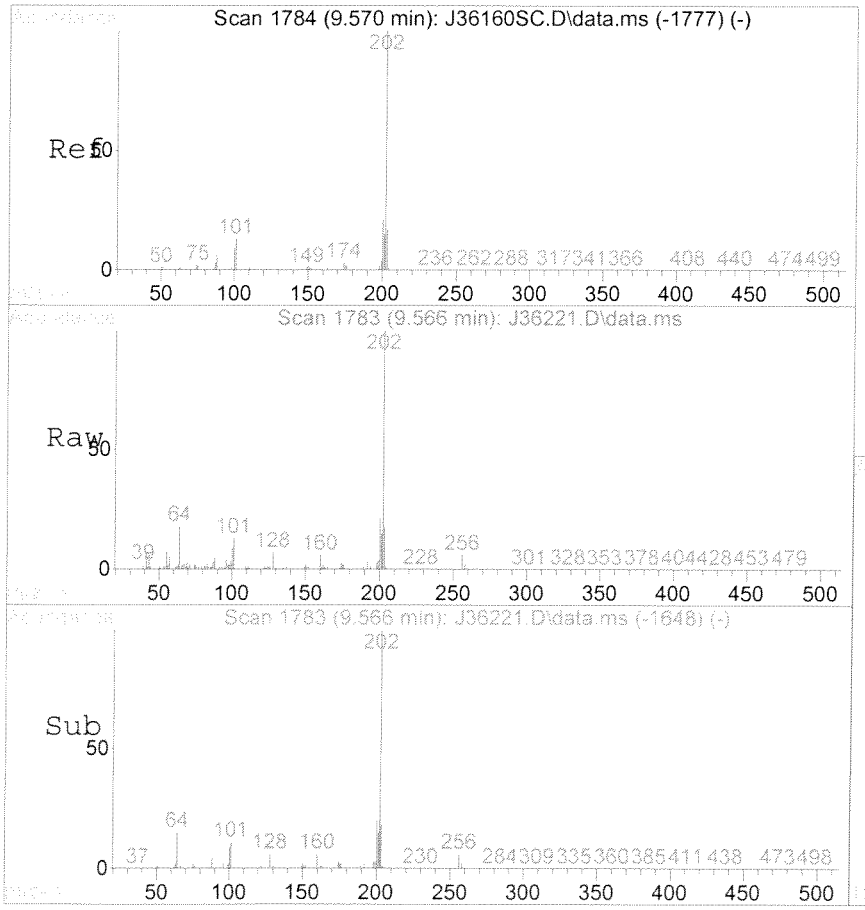


#65 ✓ J ✓
Phenanthrene
Concen: 3.74 ug/ml
RT: 8.426 min Scan# 1509
Delta R.T. 0.011 min
Lab File: J36221.D
Acq: 15 Oct 2010 1:40 pm

Tgt Ion:178 Resp: 123907

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.4
176	19.9	15.4	23.0

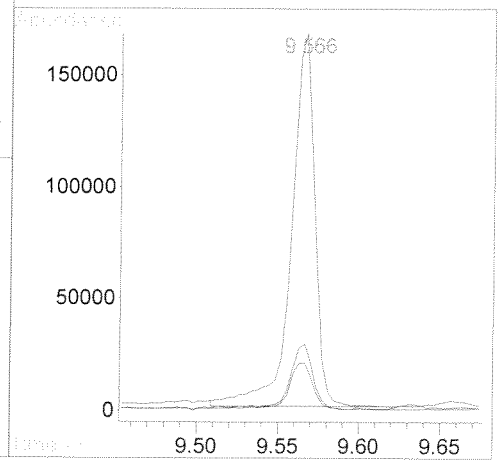


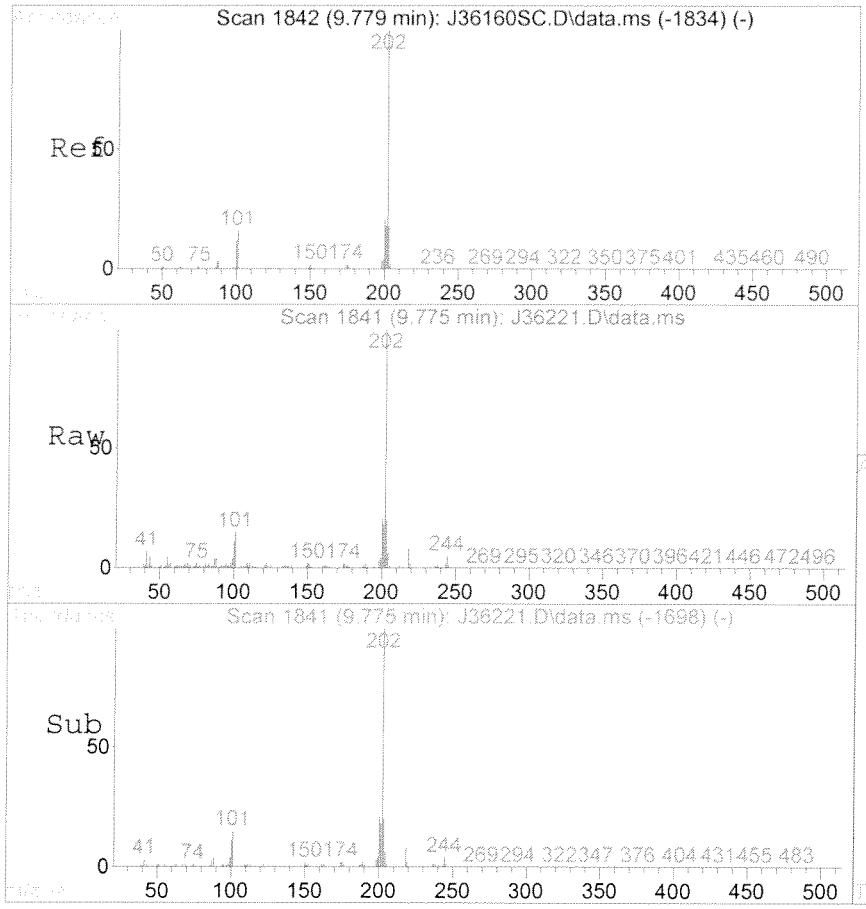


#69 ✓
Fluoranthene
Concen: 4.56 ug/ml
RT: 9.566 min Scan# 1783
Delta R.T. 0.016 min
Lab File: J36221.D
Acq: 15 Oct 2010 1:40 pm

Tgt Ion:202 Resp: 168029

Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.5	15.7
203	16.6	13.8	20.8

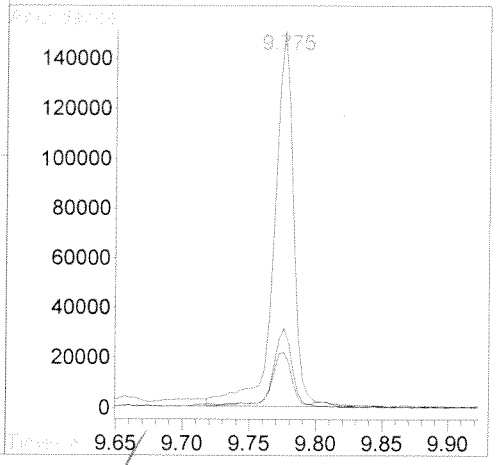


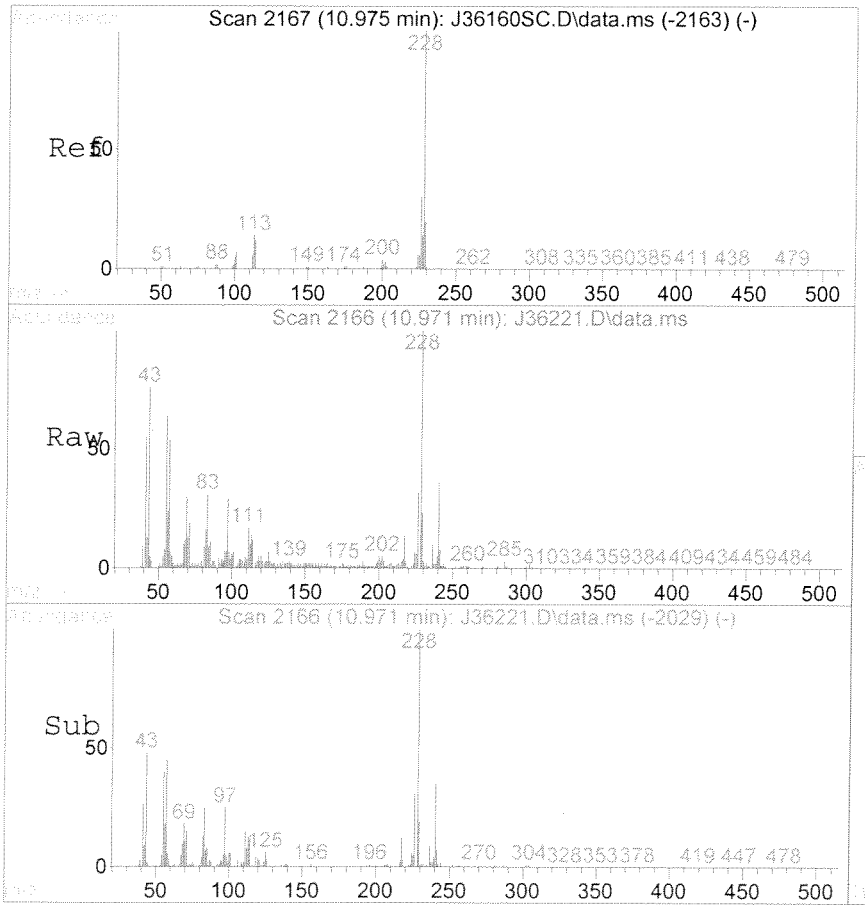


#72
Pyrene
Concen: 4.43 ug/ml
RT: 9.775 min Scan# 1841
Delta R.T. 0.016 min
Lab File: J36221.D
Acq: 15 Oct 2010 1:40 pm

Tgt Ion:202 Resp: 155428

Ion	Ratio	Lower	Upper
202	100		
101	14.1	12.7	19.1
200	21.1	16.9	25.3

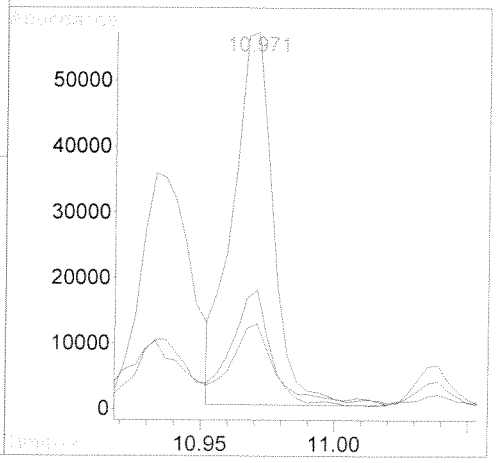


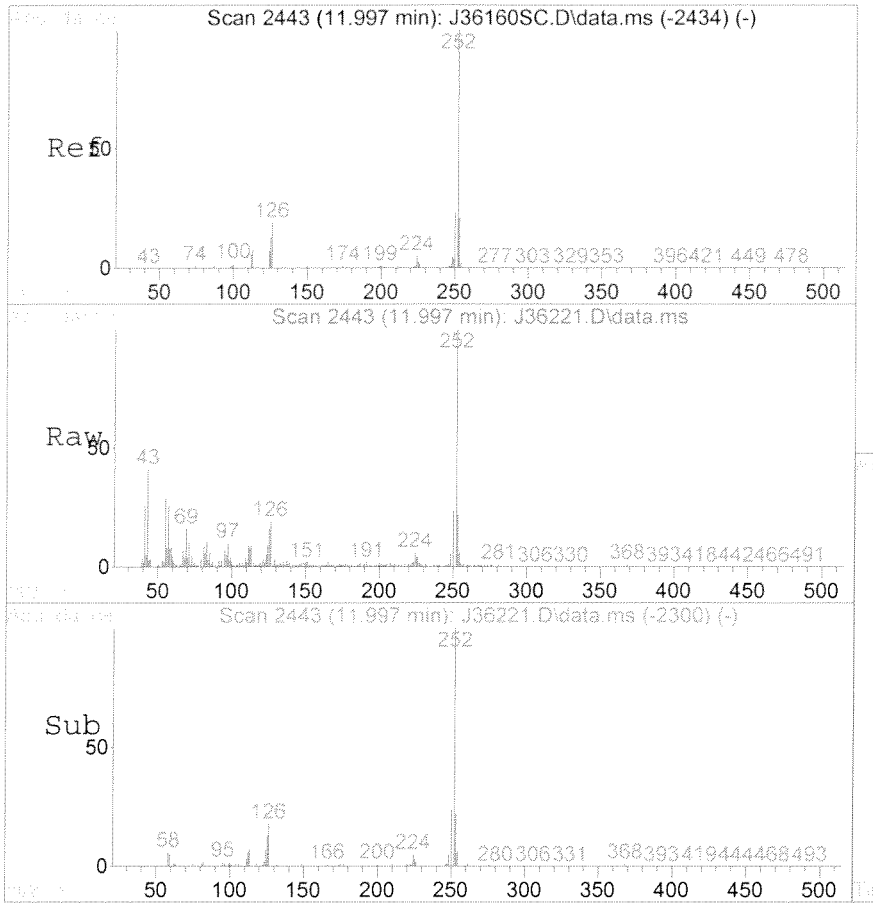


#76 J
Chrysene
Concen: 2.06 ug/ml
RT: 10.971 min Scan# 2166
Delta R.T. 0.016 min
Lab File: J36221.D
Acq: 15 Oct 2010 1:40 pm

Tgt Ion:228 Resp: 60628

Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.8	23.6
226	29.5	23.5	35.3

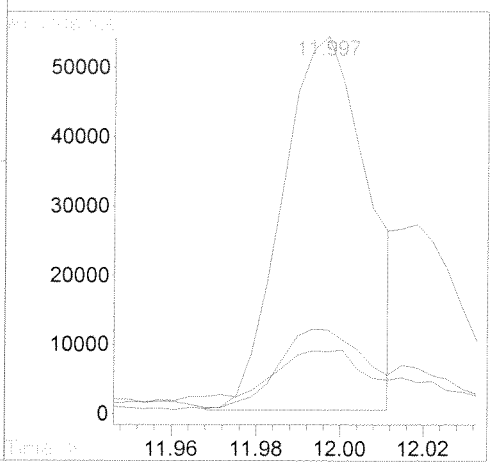




#81 ✓ J
Benzo[b] fluoranthene
Concen: 2.62 ug/ml m
RT: 11.997 min Scan# 2443
Delta R.T. 0.020 min
Lab File: J36221.D
Acq: 15 Oct 2010 1:40 pm

Tgt Ion:252 Resp: 76371

Ion	Ratio	Lower	Upper
252	100		
253	30.7	17.8	26.6#
125	21.7	10.9	16.3#



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36221.D
Acq On : 15 Oct 2010 1:40 pm
Operator : AR/MG
Sample : 67967-1
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 18 01:22:08 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

OK 10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	383938	40.00 ug/ml	0.02
19) d8-Naphthalene	5.256	136	1126053	40.00 ug/ml	0.01
35) d10-Acenaphthene	6.981	164	649776	40.00 ug/ml	0.02
61) d10-Phenanthrene	8.408	188	1136934	40.00 ug/ml	0.02
71) d12-Chrysene	10.948	240	1046165	40.00 ug/ml	0.02
79) d12-Perylene	12.400	264	957605	40.00 ug/ml	0.03
System Monitoring Compounds					
4) 2-Fluorophenol	2.604	112	520655	46.34 ug/ml	0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 61.79%		
5) d5-Phenol	3.656	99	717888	54.77 ug/ml	0.01
Spiked Amount 75.000	Range 40 - 120		Recovery = 73.03%		
20) d5-nitrobenzene	4.545	82	347941	35.86 ug/ml	0.01
Spiked Amount 50.000	Range 20 - 101		Recovery = 71.72%		
39) 2-Fluorobiphenyl	6.351	172	799102	38.62 ug/ml	0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 77.24%		
60) 2,4,6-Tribromophenol	7.748	330	229759	66.12 ug/ml	0.02
Spiked Amount 75.000	Range 36 - 141		Recovery = 88.16%		
73) d14-p-terphenyl	9.970	244	755639	39.62 ug/ml	0.02
Spiked Amount 50.000	Range 38 - 108		Recovery = 79.24%		
Target Compounds					Qvalue
53) ATRAZINE	8.241	200	26265	3.88 ug/ml	# 100
62) Octadecane	8.367	57	1454	Below Cal	# 30

(#) = qualifier out of range (m) = manual integration (+) = signals summed

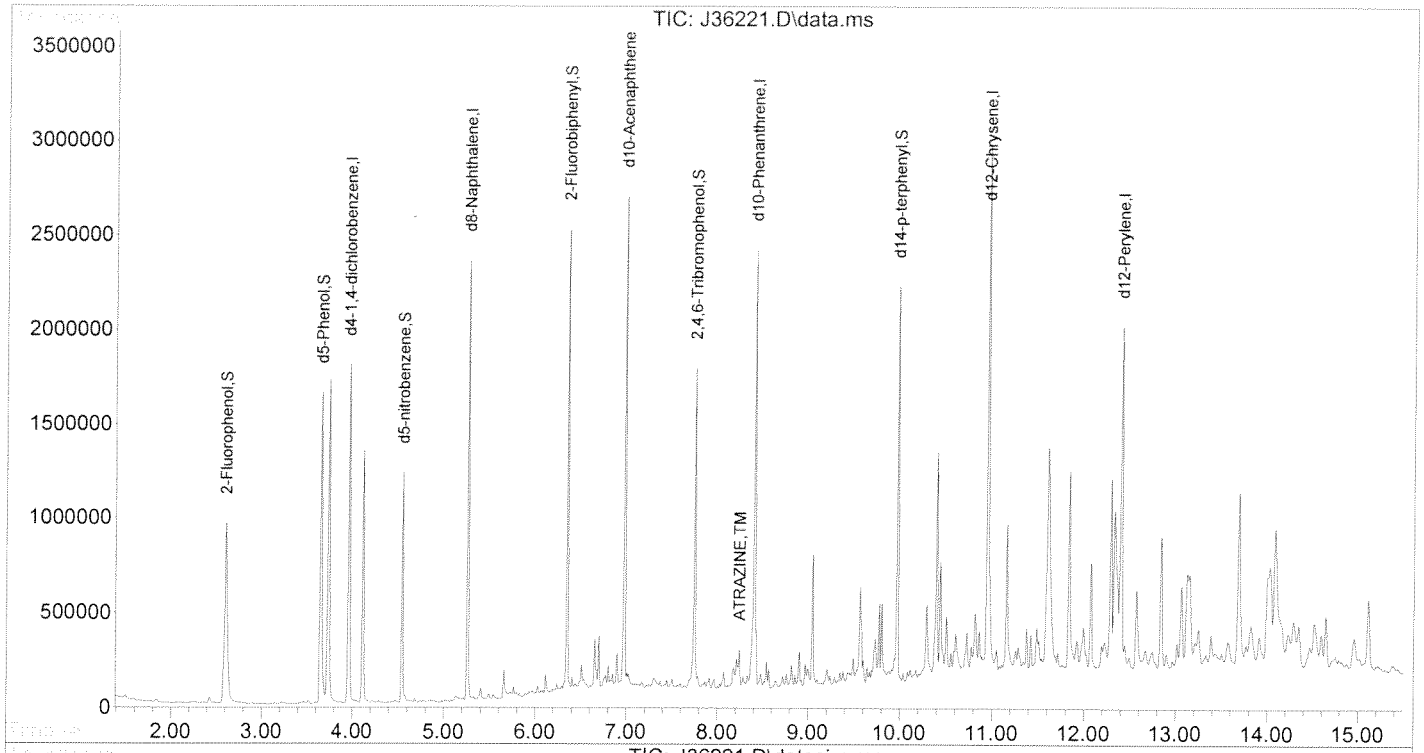
ND

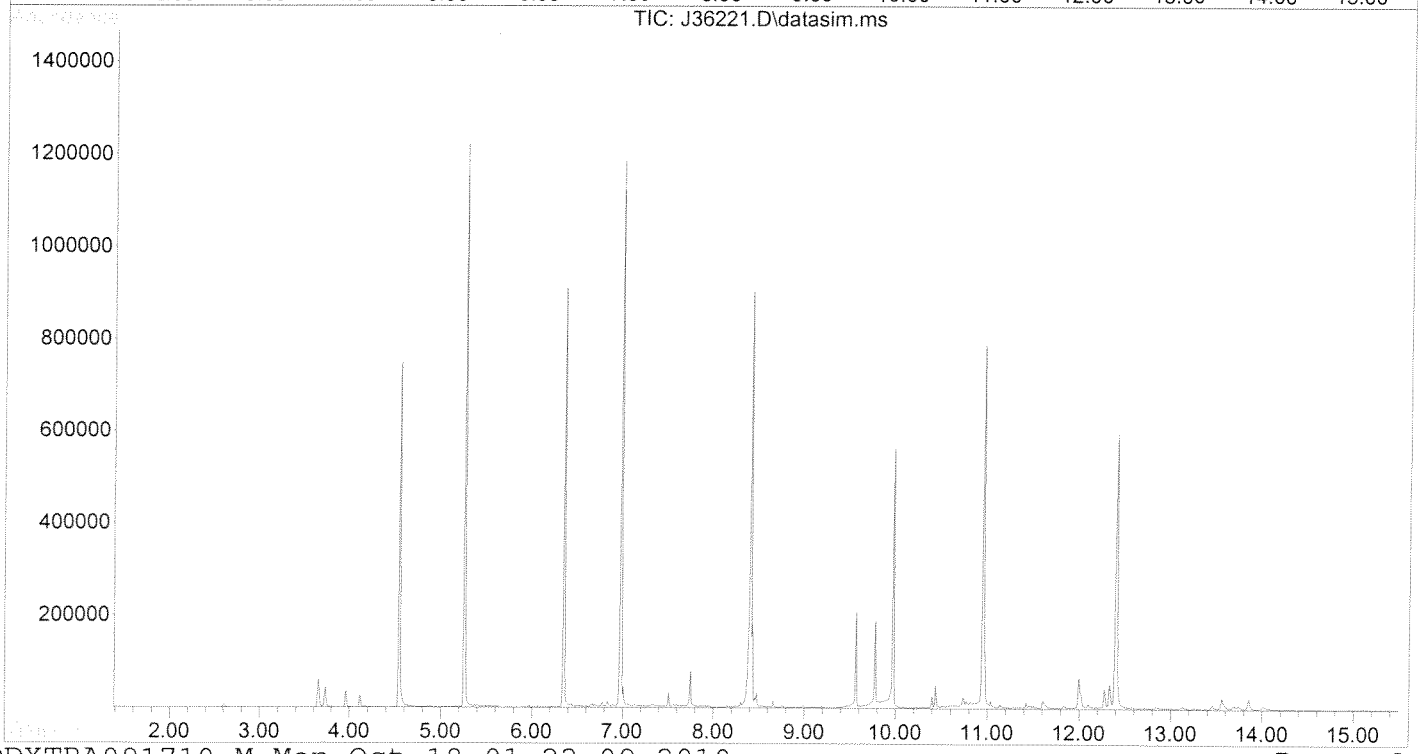
10/18/10

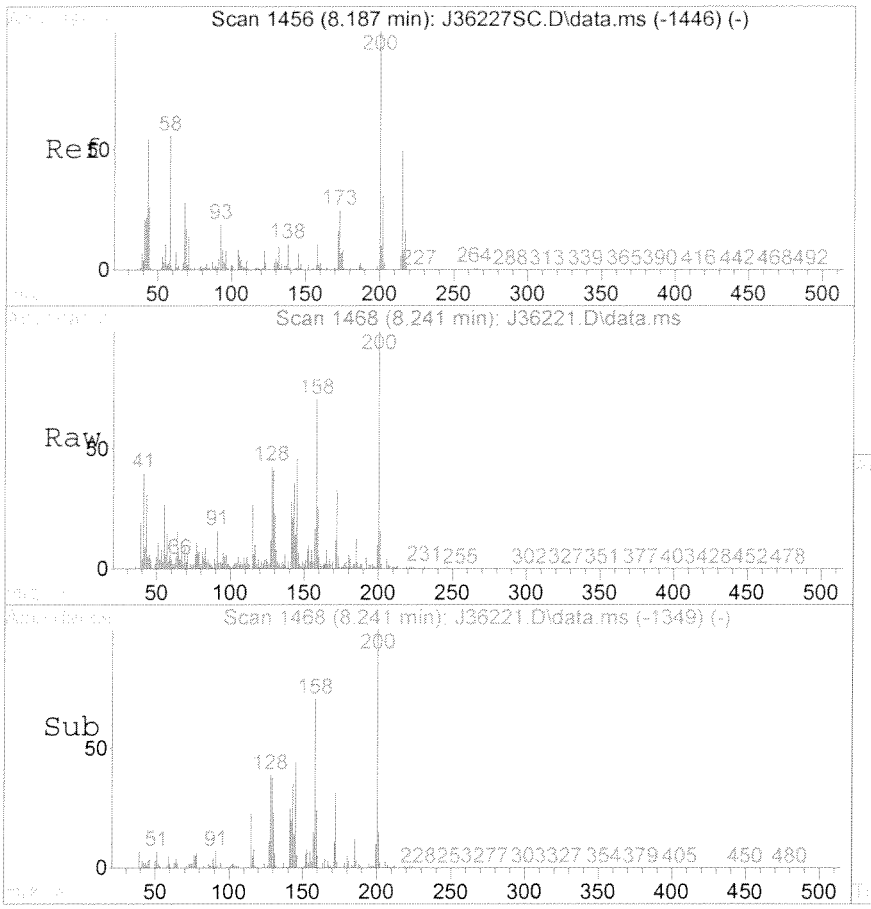
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36221.D
Acq On : 15 Oct 2010 1:40 pm
Operator : AR/MG
Sample : 67967-1
Misc : SOIL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 18 01:22:08 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration



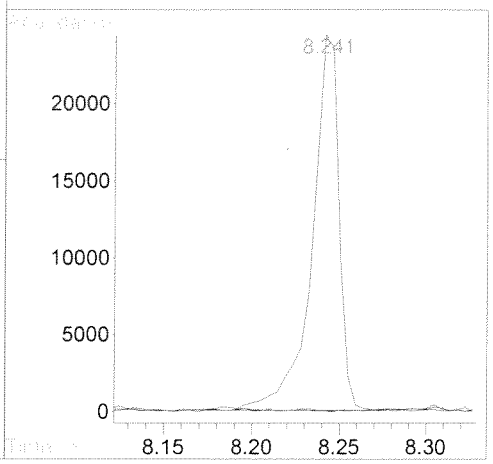




#53
ATRAZINE
Concen: 3.88 ug/ml
RT: 8.241 min Scan# 1468
Delta R.T. 0.054 min
Lab File: J36221.D
Acq: 15 Oct 2010 1:40 pm

Tgt Ion:200 Resp: 26265

Ion	Ratio	Lower	Upper
200	100		
215	0.0	0.0	0.0
217	0.0	0.0	0.0



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/07/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-APN-01

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/	Result µg/kg	COMPOUND	Detection Limit µg/	Result µg/kg
Acenaphthene	290	U	2,4-dinitrophenol	760	U
Acenaphthylene	290	U	2,4-Dinitrotoluene	380	U
Anthracene	290	U	2,6-Dinitrotoluene	540	U
Benzo[a]anthracene	290	U	di-n-octyl-phthalate	540	U
Benzo[b] fluoranthene	290	U	Fluoranthene	290	U
Benzo[k] fluoranthene	290	U	Fluorene	290	U
Benzo(g,h,i) perylene	290	U	Hexachlorobenzene	380	U
Benzo[a] pyrene	290	U	Hexachlorobutadiene	540	U
Bis(2-chloroethoxy)methane	540	U	Hexachloroethane	380	U
bis(2-chloroethyl) ether	380	U	Indeno [1,2,3-cd] pyrene	290	U
bis(2-chloroisopropyl)ether	380	U	Isophorone	540	U
Bis (2-ethylhexyl) phthalate	540	U	2-Methylnaphthalene	290	U
4-bromophenyl phenyl ether	540	U	2-Methylphenol	760	U
Butyl benzyl phthalate	540	U	3+4-Methylphenol	760	U
4-Chloroaniline	540	U	Naphthalene	290	U
2-Chloronaphthalene	290	U	Nitrobenzene	540	U
2-Chlorophenol	380	U	2-Nitrophenol	760	U
Chrysene	290	U	4-Nitrophenol	760	U
Dibenz [a,h] anthracene	290	U	Pentachlorophenol	760	U
Dibenzofuran	290	U	Phenanthrene	290	U
Di-n-butyl phthalate	540	U	Phenol	760	U
1,2-Dichlorobenzene	540	U	Pyrene	290	U
1,3-Dichlorobenzene	540	U	1,2,4-Trichlorobenzene	540	U
1,4-Dichlorobenzene	380	U	2,4,5-Trichlorophenol	540	U
3,3'-Dichlorobenzidine	540	U	2,4,6-Trichlorophenol	380	U
2,4-Dichlorophenol	380	U	Acetophenone	540	U
Diethyl Phthalate	540	U	Azobenzene	540	U
2,4-Dimethylphenol	380	U			
Dimethyl Phthalate	540	U			
Aniline	540	U			

Surrogate Standard Recovery

2-Fluorophenol	71	%	d5-Phenol	81	%	d5-nitrobenzene	78	%
2-Fluorobiphenyl	87	%	2,4,6-Tribromophenol	93	%	d14-p-terphenyl	76	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270 MCP(63)

Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36220.D
Acq On : 15 Oct 2010 1:19 pm
Operator : AR/MG
Sample : 67967-2
Misc : SOIL
ALS Vial : 27 Sample Multiplier: 1

DF: 1.09

Quant Time: Oct 17 23:51:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sun Oct 17 23:51:20 2010
Response via : Initial Calibration

10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	376714	40.00 ug/ml	0.02
19) d8-Naphthalene	5.255	136	1110941	40.00 ug/ml	0.01
35) d10-Acenaphthene	6.976	164	647530	40.00 ug/ml	0.01
61) d10-Phenanthrene	8.403	188	1088396	40.00 ug/ml	0.01
71) d12-Chrysene	10.948	240	1039671	40.00 ug/ml	0.01
79) d12-Perylene	12.400	264	930754	40.00 ug/ml	0.02

System Monitoring Compounds					
4) 2-Fluorophenol	2.604	112	584302	53.05 ug/ml	0.02
Spiked Amount 75.000	Range 35 - 105		Recovery = 70.73%		
5) d5-Phenol	3.656	99	784172	60.99 ug/ml	0.02
Spiked Amount 75.000	Range 40 - 100		Recovery = 81.32%		
20) d5-nitrobenzene	4.545	82	375662	39.18 ug/ml	0.01
Spiked Amount 50.000	Range 35 - 100		Recovery = 78.36%		
39) 2-Fluorobiphenyl	6.351	172	885042	43.51 ug/ml	0.02
Spiked Amount 50.000	Range 45 - 105		Recovery = 87.02%		
60) 2,4,6-Tribromophenol	7.748	330	243091	69.77 ug/ml	0.02
Spiked Amount 75.000	Range 40 - 125		Recovery = 93.03%		
73) d14-p-terphenyl	9.970	244	714573	37.77 ug/ml	0.02
Spiked Amount 50.000	Range 30 - 125		Recovery = 75.54%		

Target Compounds					Qvalue
15) bis(2-chloroisopropyl)...	4.283	45	221	Below Cal #	70
17) Hexachloroethane	4.507	117	249	Below Cal #	51
27) Benzoic Acid LJ	5.129	105	8288	5.19 ug/ml	99
31) 4-Chloroaniline	5.386	127	116	Below Cal #	1
40) 2-Chloronaphthalene	6.414	162	858	Below Cal #	1
54) 4-Chlorophenyl phenyl ...	7.496	204	121	Below Cal #	1
55) 4-Nitroaniline	7.539	138	223	2.09 ug/ml #	1
59) Biphenyl	6.441	154	2150	Below Cal	91
67) Carbazole	8.619	167	160	Below Cal #	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

NA

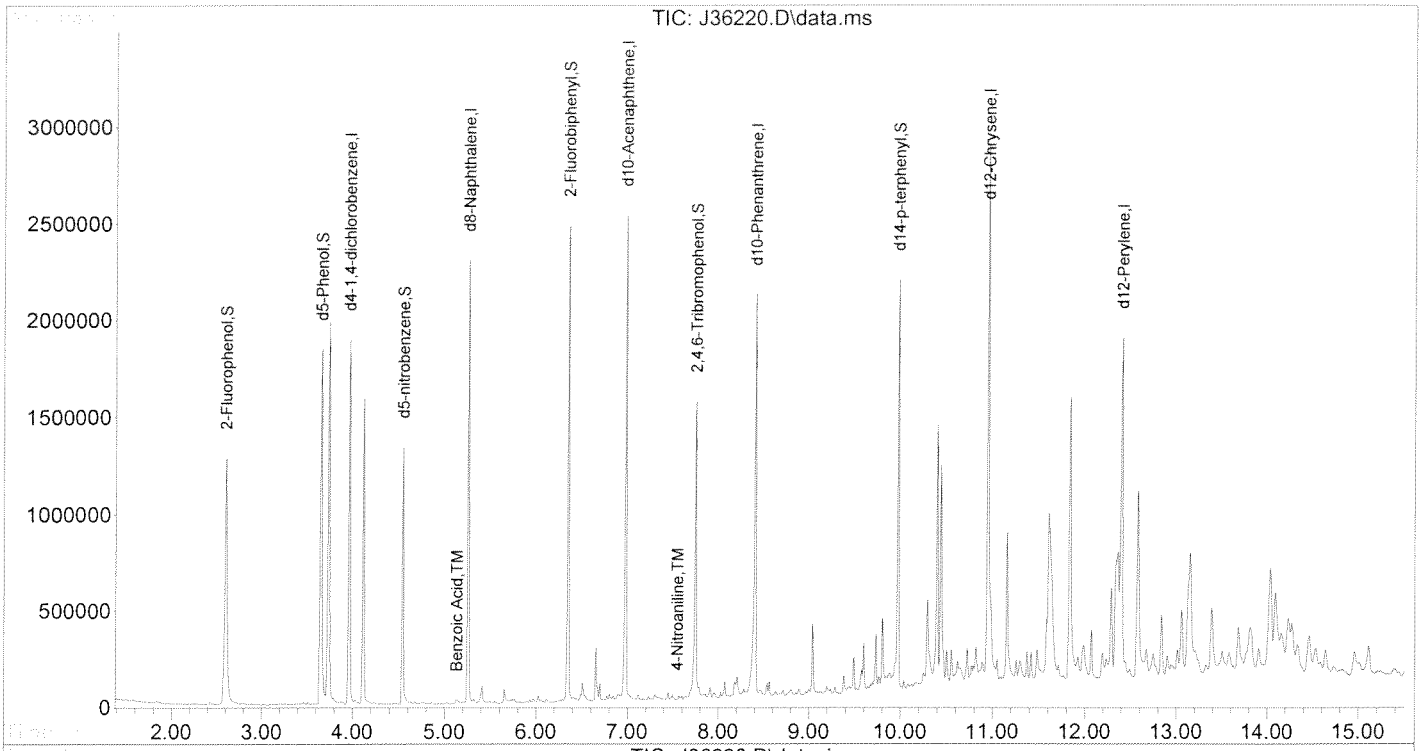
3/01810

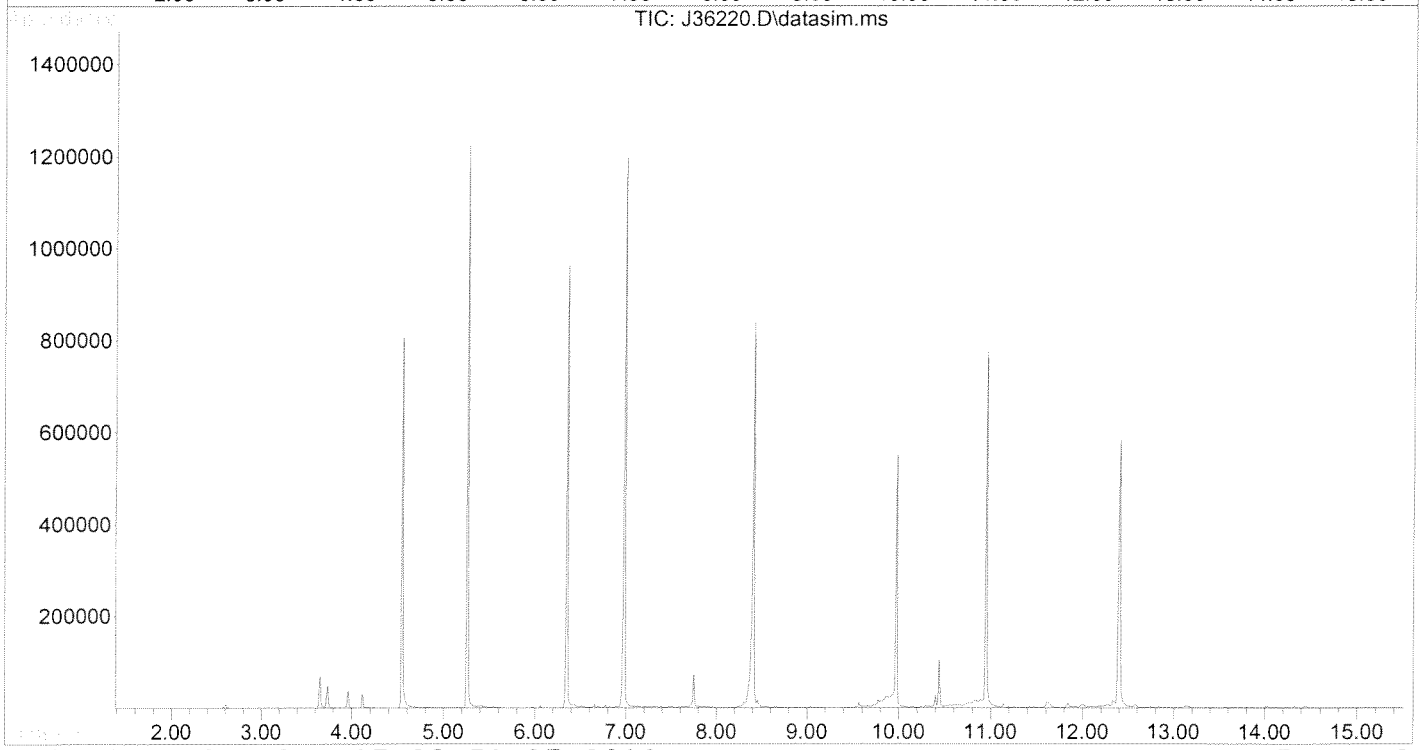
15.58g
1ml FV
%SB = 88.48

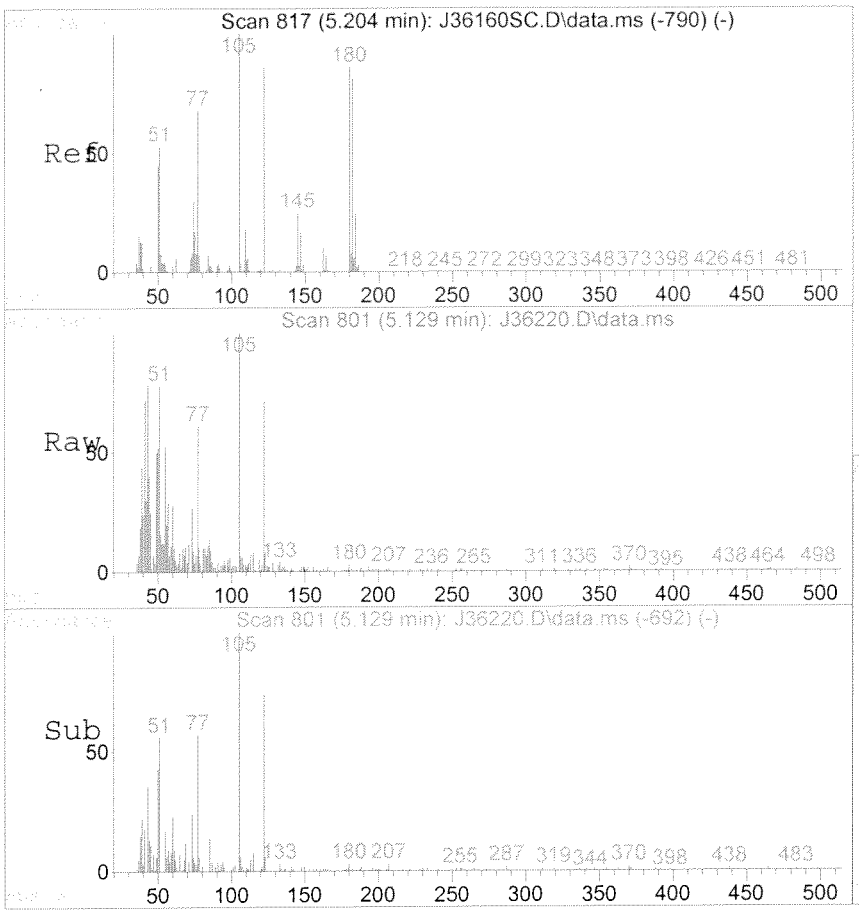
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36220.D
Acq On : 15 Oct 2010 1:19 pm
Operator : AR/MG
Sample : 67967-2
Misc : SOIL
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 17 23:51:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sun Oct 17 23:51:20 2010
Response via : Initial Calibration



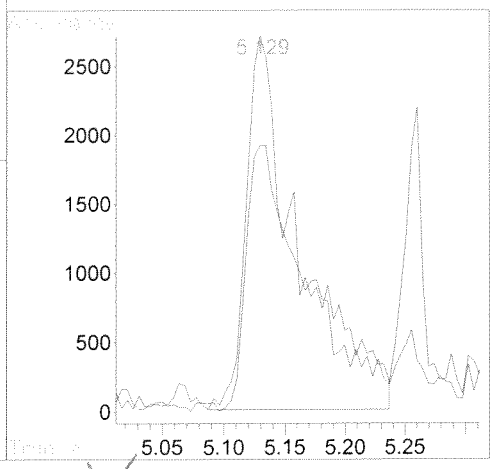


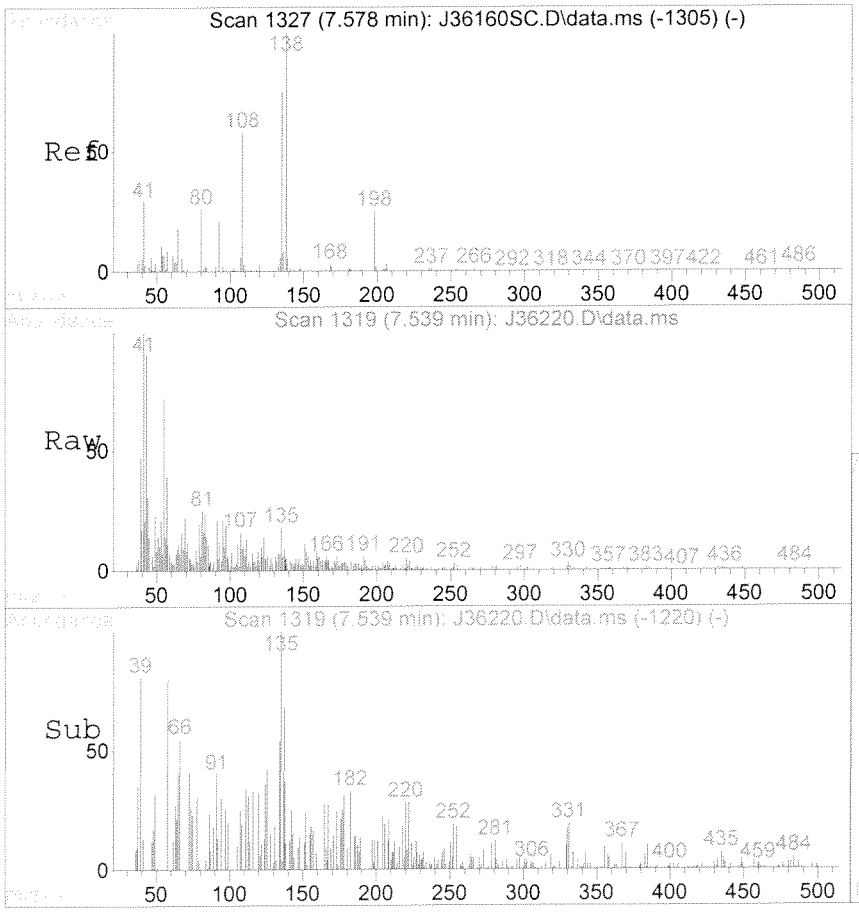


#27 ✓ LJ
Benzoic Acid
Concen: 5.19 ug/ml
RT: 5.129 min Scan# 801
Delta R.T. 0.009 min
Lab File: J36220.D
Acq: 15 Oct 2010 1:19 pm

Tgt Ion:105 Resp: 8288

Ion	Ratio	Lower	Upper
105	100		
122	81.3	64.0	96.0

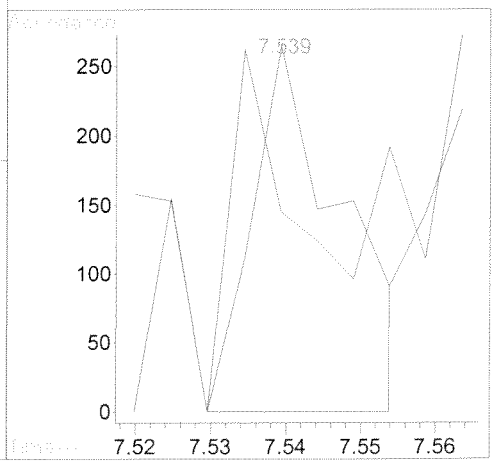




#55 X
4-Nitroaniline
Concen: 2.09 ug/ml
RT: 7.539 min Scan# 1319
Delta R.T. -0.019 min
Lab File: J36220.D
Acq: 15 Oct 2010 1:19 pm

Tgt Ion:138 Resp: 223

Ion	Ratio	Lower	Upper
138	100		
92	102.2	7.9	11.9#



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36220.D
Acq On : 15 Oct 2010 1:19 pm
Operator : AR/MG
Sample : 67967-2
Misc : SOIL
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 18 01:22:04 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	376419	40.00 ug/ml	0.02
19) d8-Naphthalene	5.255	136	1110941	40.00 ug/ml	0.01
35) d10-Acenaphthene	6.976	164	647530	40.00 ug/ml	0.01
61) d10-Phenanthrene	8.403	188	1085689	40.00 ug/ml	0.01
71) d12-Chrysene	10.948	240	1028934	40.00 ug/ml	0.02
79) d12-Perylene	12.400	264	923624	40.00 ug/ml	0.03
System Monitoring Compounds					
4) 2-Fluorophenol	2.604	112	582952	52.92 ug/ml	0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 70.56%		
5) d5-Phenol	3.656	99	782685	60.91 ug/ml	0.01
Spiked Amount 75.000	Range 40 - 120		Recovery = 81.21%		
20) d5-nitrobenzene	4.545	82	375662	39.24 ug/ml	0.01
Spiked Amount 50.000	Range 20 - 101		Recovery = 78.48%		
39) 2-Fluorobiphenyl	6.351	172	883344	43.35 ug/ml	0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 86.70%		
60) 2,4,6-Tribromophenol	7.748	330	242244	69.95 ug/ml	0.02
Spiked Amount 75.000	Range 36 - 141		Recovery = 93.27%		
73) d14-p-terphenyl	9.970	244	710511	37.87 ug/ml	0.02
Spiked Amount 50.000	Range 38 - 108		Recovery = 75.74%		
Target Compounds					Qvalue
62) Octadecane	8.385	57	6258	Below Cal	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

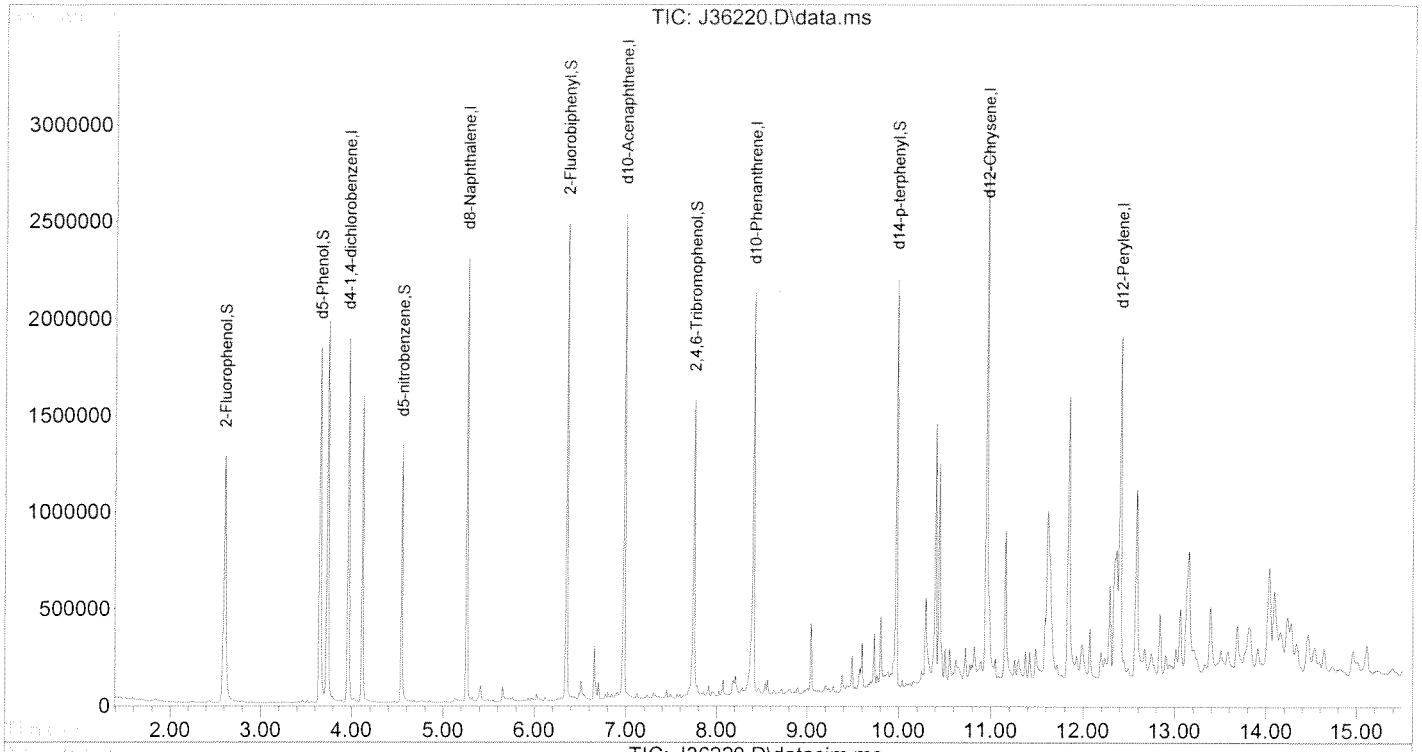
NA

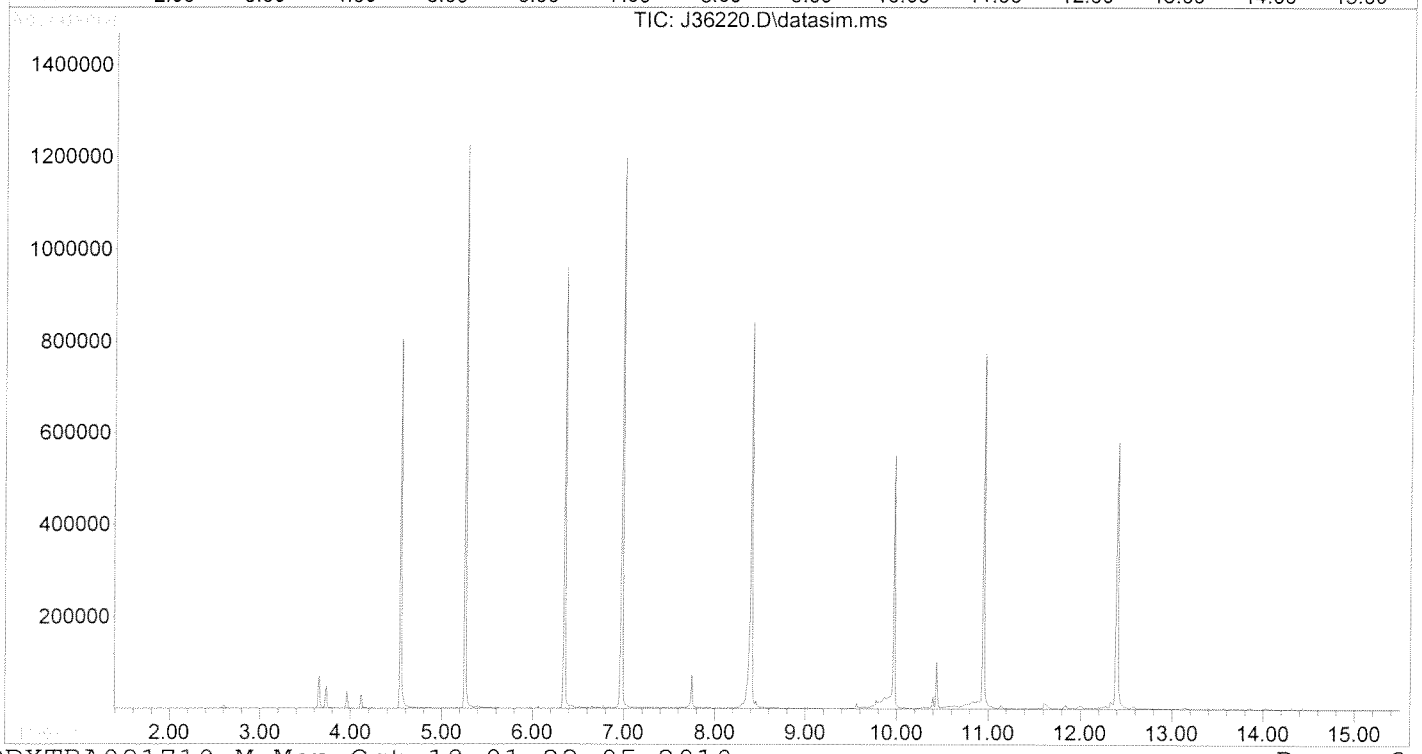
10/18/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36220.D
Acq On : 15 Oct 2010 1:19 pm
Operator : AR/MG
Sample : 67967-2
Misc : SOIL
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 18 01:22:04 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration





analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: WC-B82-GTM-01

SAMPLE DATA

Lab Sample ID: 67967-3
Matrix: Solid
Percent Solid: 80
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/07/10
Analysis Date: 10/15/10

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/	Result µg/kg	COMPOUND	Detection Limit µg/	Result µg/kg
Acenaphthene	320	U	2,4-dinitrophenol	840	U
Acenaphthylene	320	U	2,4-Dinitrotoluene	420	U
Anthracene	320	U	2,6-Dinitrotoluene	600	U
Benzo[a]anthracene	320	U	di-n-octyl-phthalate	600	U
Benzo[b] fluoranthene	320	U	Fluoranthene	320	U
Benzo[k] fluoranthene	320	U	Fluorene	320	U
Benzo(g,h,i) perylene	320	U	Hexachlorobenzene	420	U
Benzo[a] pyrene	320	U	Hexachlorobutadiene	600	U
Bis(2-chloroethoxy)methane	600	U	Hexachloroethane	420	U
bis(2-chloroethyl) ether	420	U	Indeno [1,2,3-cd] pyrene	320	U
bis(2-chloroisopropyl)ether	420	U	Isophorone	600	U
Bis (2-ethylhexyl) phthalate	600	U	2-Methylnaphthalene	320	U
4-bromophenyl phenyl ether	600	U	2-Methylphenol	840	U
Butyl benzyl phthalate	600	U	3+4-Methylphenol	840	U
4-Chloroaniline	600	U	Naphthalene	320	U
2-Chloronaphthalene	320	U	Nitrobenzene	600	U
2-Chlorophenol	420	U	2-Nitrophenol	840	U
Chrysene	320	U	4-Nitrophenol	840	U
Dibenz [a,h] anthracene	320	U	Pentachlorophenol	840	U
Dibenzofuran	320	U	Phenanthrene	320	U
Di-n-butyl phthalate	600	U	Phenol	840	U
1,2-Dichlorobenzene	600	U	Pyrene	320	**167 J**
1,3-Dichlorobenzene	600	U	1,2,4-Trichlorobenzene	600	U
1,4-Dichlorobenzene	420	U	2,4,5-Trichlorophenol	600	U
3,3'-Dichlorobenzidine	600	U	2,4,6-Trichlorophenol	420	U
2,4-Dichlorophenol	420	U	Acetophenone	600	U
Diethyl Phthalate	600	U	Azobenzene	600	U
2,4-Dimethylphenol	420	U			
Dimethyl Phthalate	600	U			
Aniline	600	U			

Surrogate Standard Recovery

2-Fluorophenol	63	%	d5-Phenol	71	%	d5-nitrobenzene	66	%
2-Fluorobiphenyl	71	%	2,4,6-Tribromophenol	86	%	d14-p-terphenyl	74	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270 MCP(63)

Authorized signature

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36219.D
Acq On : 15 Oct 2010 12:58 pm
Operator : AR/MG
Sample : 67967-3
Misc : SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 17 23:49:41 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/18/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	382357	40.00	ug/ml	0.00
19) d8-Naphthalene	5.255	136	1125404	40.00	ug/ml	0.00
35) d10-Acenaphthene	6.976	164	654397	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.408	188	1156179	40.00	ug/ml	0.00
71) d12-Chrysene	10.948	240	1081298	40.00	ug/ml	0.00
79) d12-Perylene	12.400	264	906133	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.603	112	525714	47.02	ug/ml	0.00
Spiked Amount 75.000	Range 35 - 105		Recovery = 62.69%			
5) d5-Phenol	3.656	99	692692	53.08	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 100		Recovery = 70.77%			
20) d5-nitrobenzene	4.544	82	321042	33.05	ug/ml	0.00
Spiked Amount 50.000	Range 35 - 100		Recovery = 66.10%			
39) 2-Fluorobiphenyl	6.351	172	747902	35.65	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 105		Recovery = 71.30%			
60) 2,4,6-Tribromophenol	7.748	330	227129	64.51	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 125		Recovery = 86.01%			
73) d14-p-terphenyl	9.970	244	729287	37.06	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 125		Recovery = 74.12%			

Target Compounds						Qvalue
15) bis(2-chloroisopropyl)...	4.269	45	351	Below Cal	#	70
17) Hexachloroethane	4.385	117	219	Below Cal	#	1
27) Benzoic Acid	5.204	105	519	3.96	ug/ml	91
31) 4-Chloroaniline	5.363	127	157	Below Cal	#	1
40) 2-Chloronaphthalene	6.454	162	196	Below Cal	#	39
54) 4-Chlorophenyl phenyl ...	7.544	204	347	Below Cal	#	1
55) 4-Nitroaniline	7.568	138	231	2.09	ug/ml#	1
56) 4,6-Dinitro-2-methylph...	7.631	198	157	2.44	ug/ml#	1
59) Biphenyl	6.441	154	2183	Below Cal	#	62
67) Carbazole	8.660	167	2712	Below Cal		95
72) Pyrene	9.775	202	75293	2.09	ug/ml	98
78) Bis (2-ethylhexyl) pht...	11.046	149	67972	3.09	ug/ml	97

J

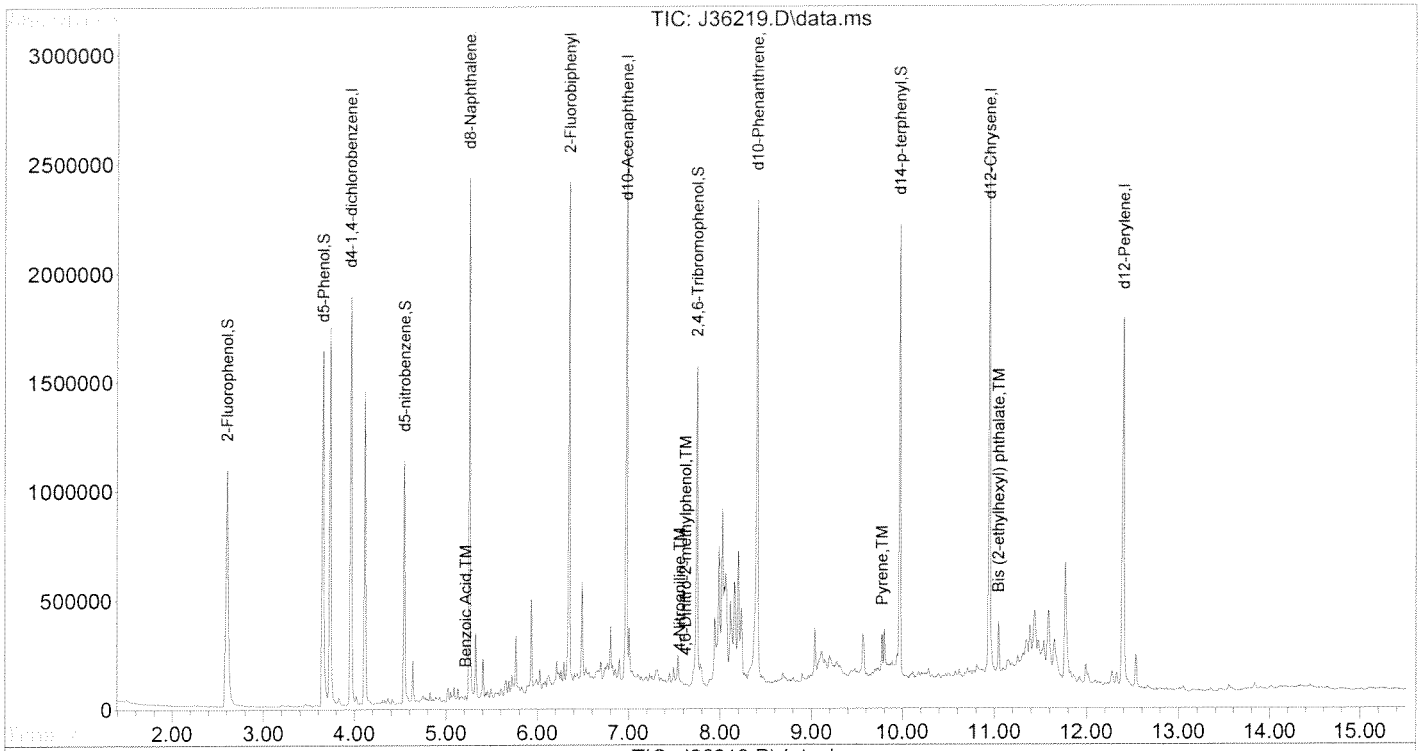
(#) = qualifier out of range (m) = manual integration (+) = signals summed

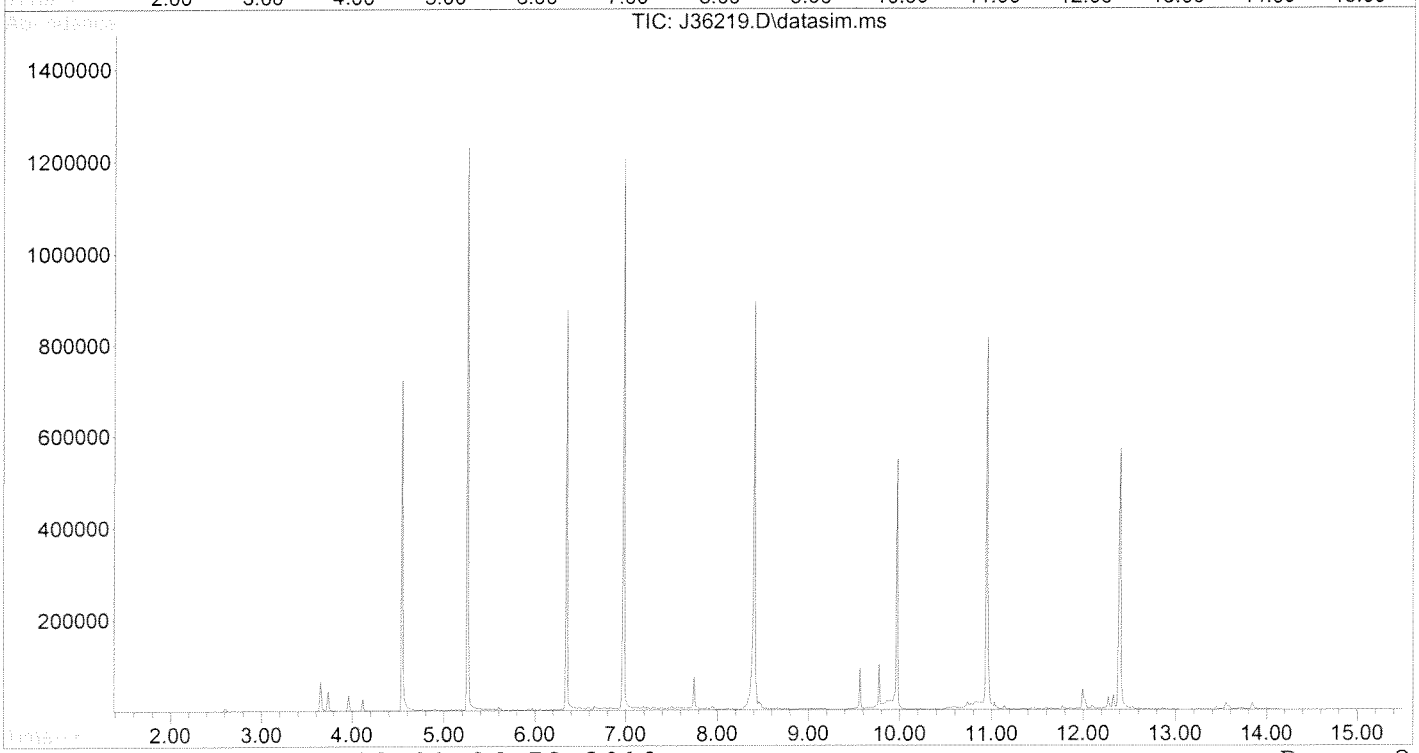
2101810

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36219.D
Acq On : 15 Oct 2010 12:58 pm
Operator : AR/MG
Sample : 67967-3
Misc : SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 17 23:49:41 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration



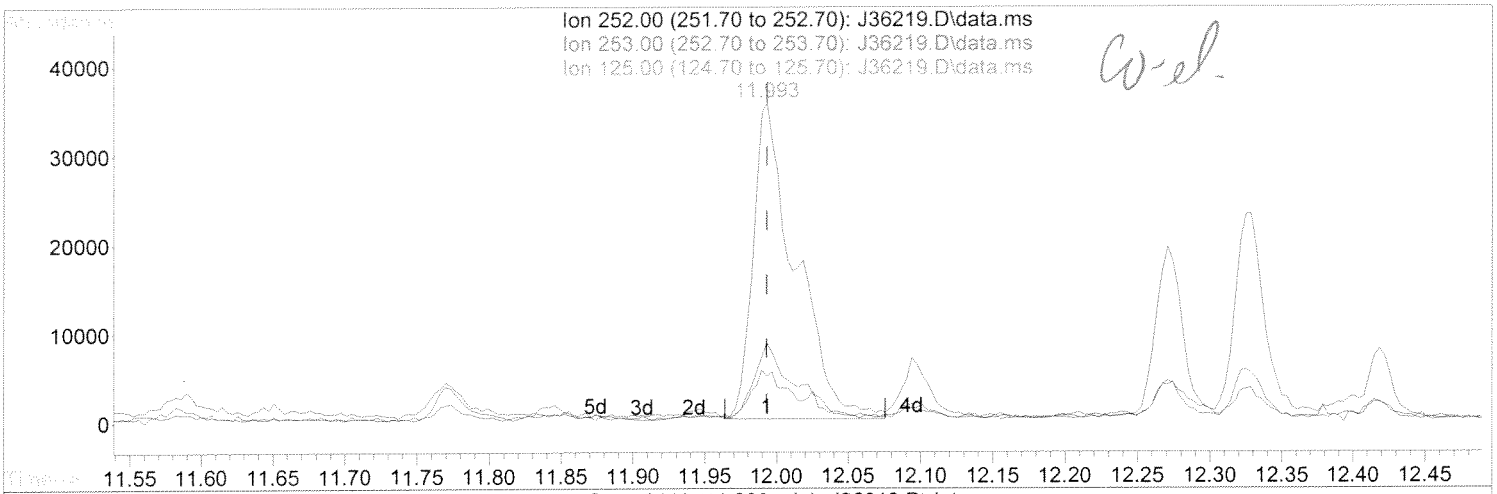


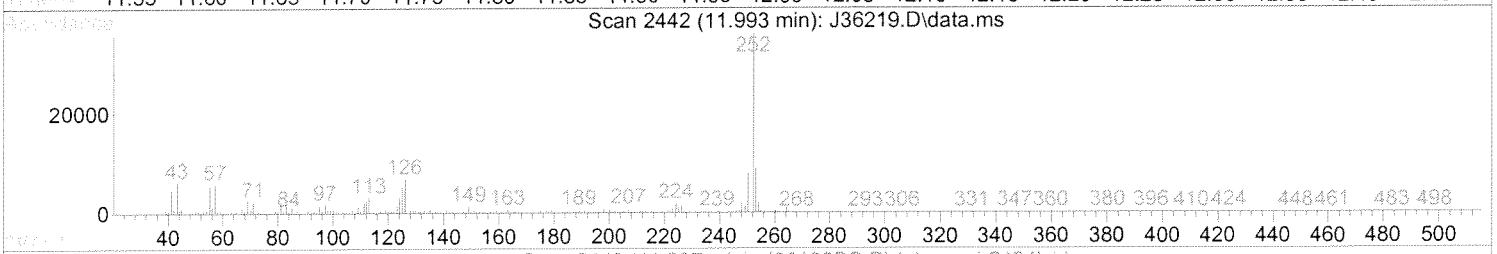
Quantitation Report (Qedit)

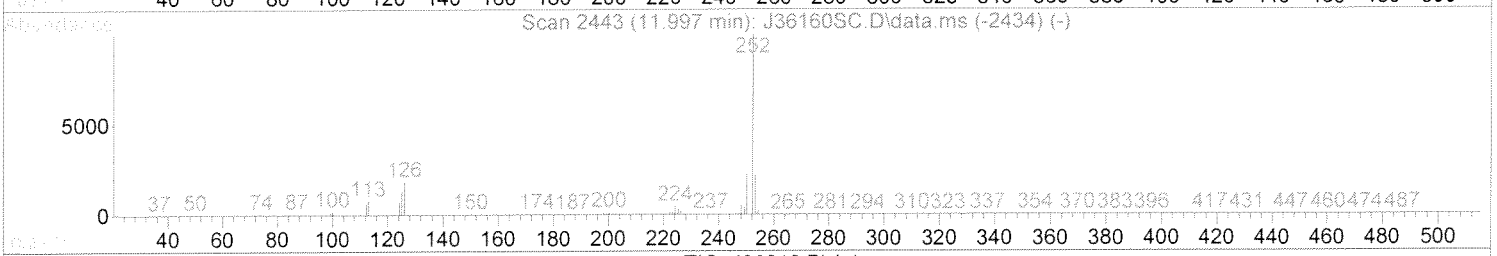
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36219.D
Acq On : 15 Oct 2010 12:58 pm
Operator : AR/MG
Sample : 67967-3
Misc : SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 15 20:49:41 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/18/10







TIC: J36219.D\data.ms

(81) Benzo[b] fluoranthene (TM)

11.993min (-0.000) 2.66ug/ml

response 72910

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	22.73
125.00	12.50	12.14
0.00	0.00	0.00

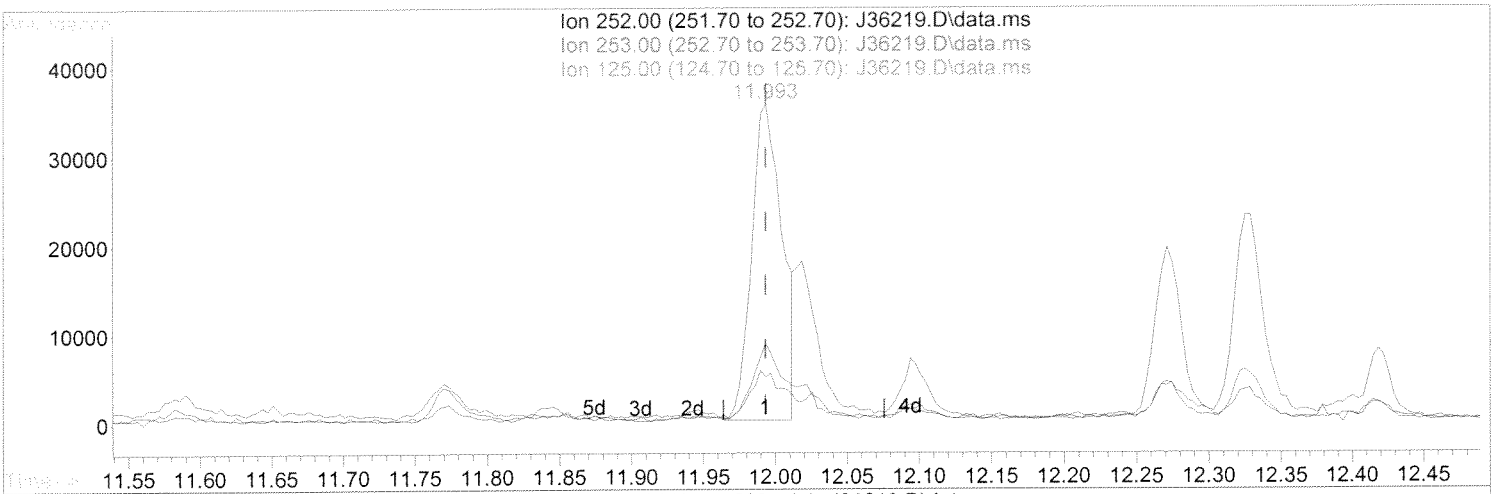
3/01810

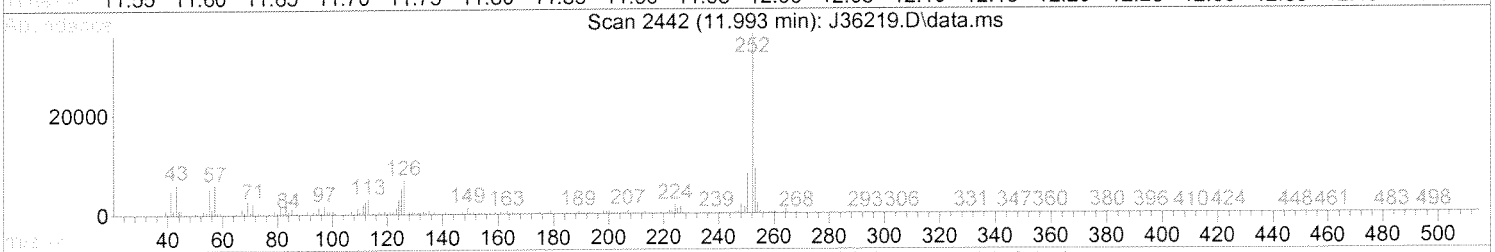
Quantitation Report (Qedit)

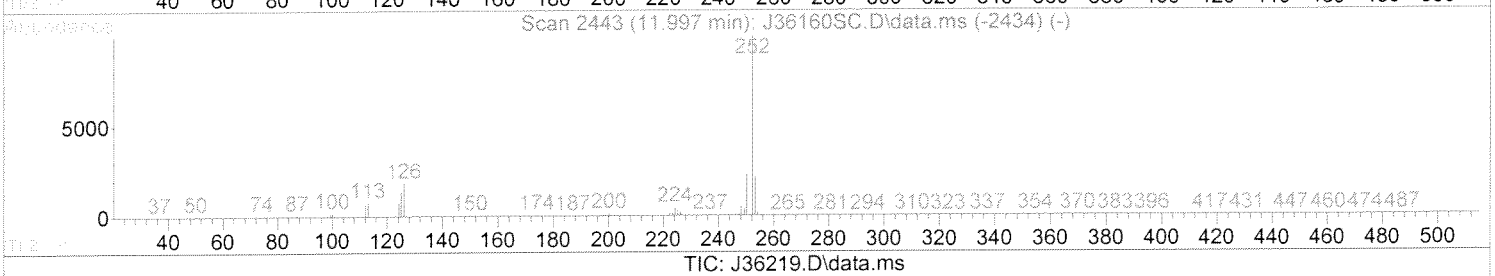
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36219.D
Acq On : 15 Oct 2010 12:58 pm
Operator : AR/MG
Sample : 67967-3
Misc : SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 15 20:49:41 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/18/10







TIC: J36219.D\data.ms

(81) Benzo[b] fluoranthene (TM)

11.993min (-0.000) 1.91ug/ml m

response 52239

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	31.72#
125.00	12.50	16.94#
0.00	0.00	0.00

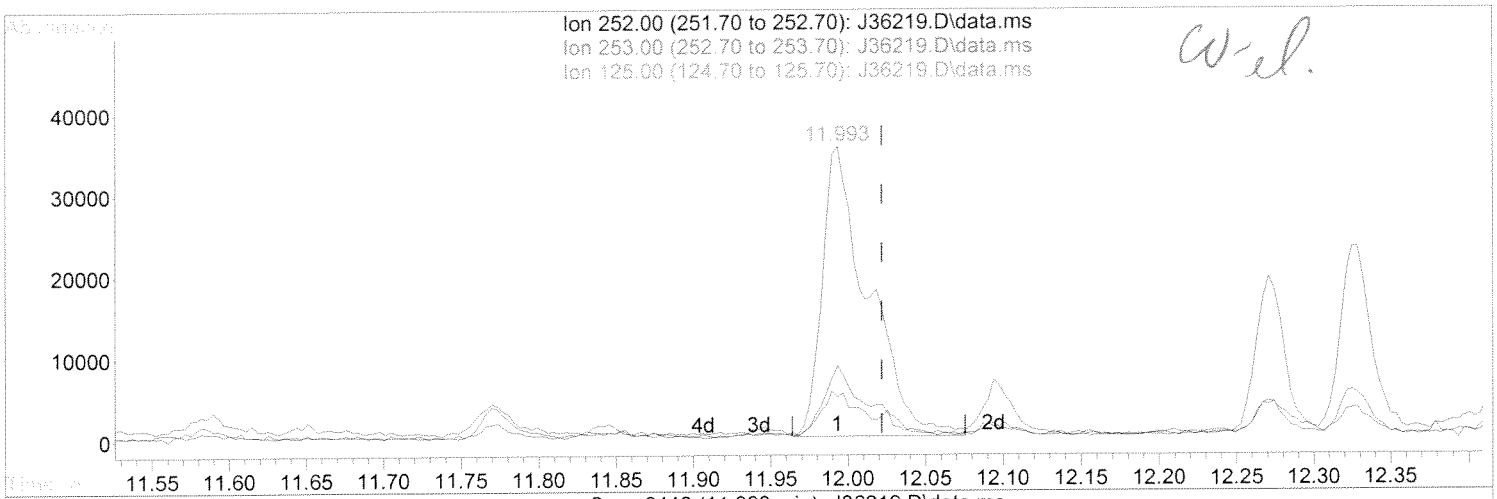
10/18/10

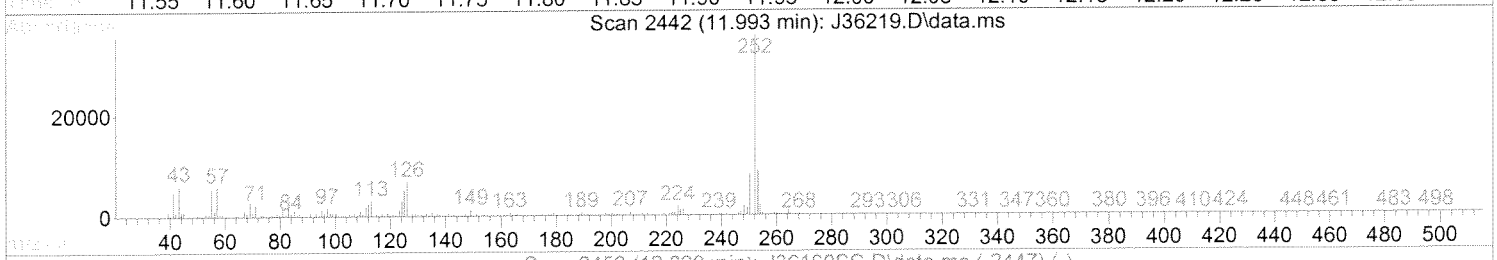
Quantitation Report (Qedit)

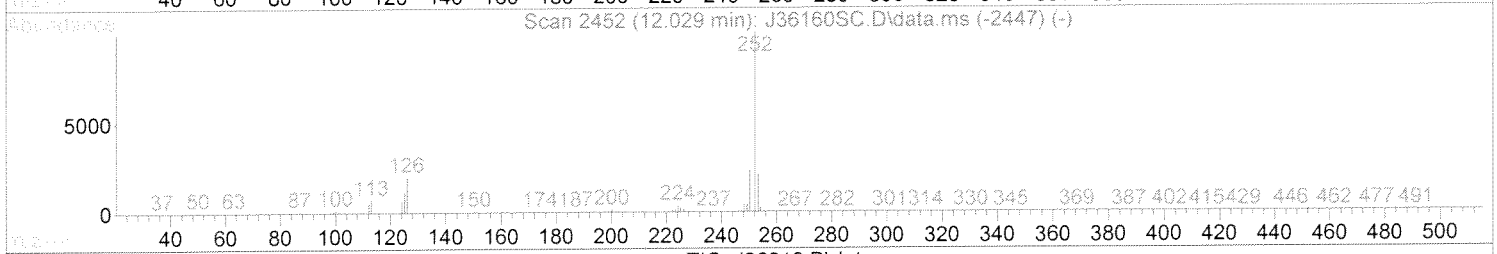
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36219.D
Acq On : 15 Oct 2010 12:58 pm
Operator : AR/MG
Sample : 67967-3
Misc : SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 15 20:49:41 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/18/10







TIC: J36219.D\data.ms

(82) Benzo[k] fluoranthene (TM)

11.993min (-0.029) 2.59ug/ml

response 72910

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.73
125.00	12.50	12.14
0.00	0.00	0.00

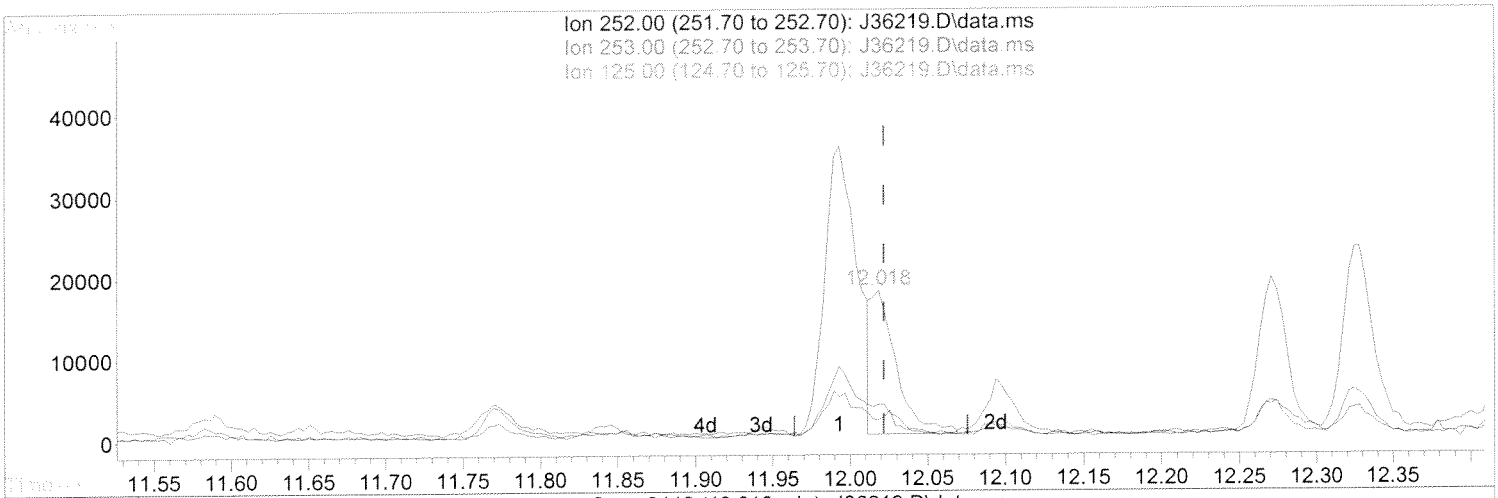
10/18/10

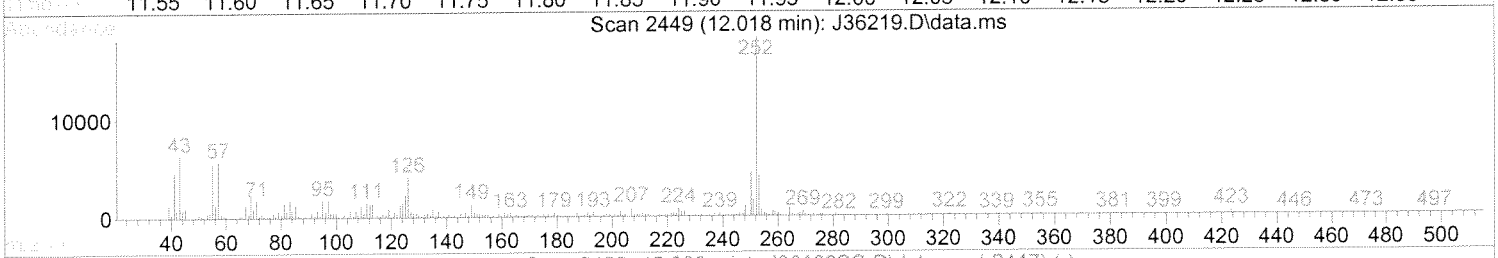
Quantitation Report (Qedit)

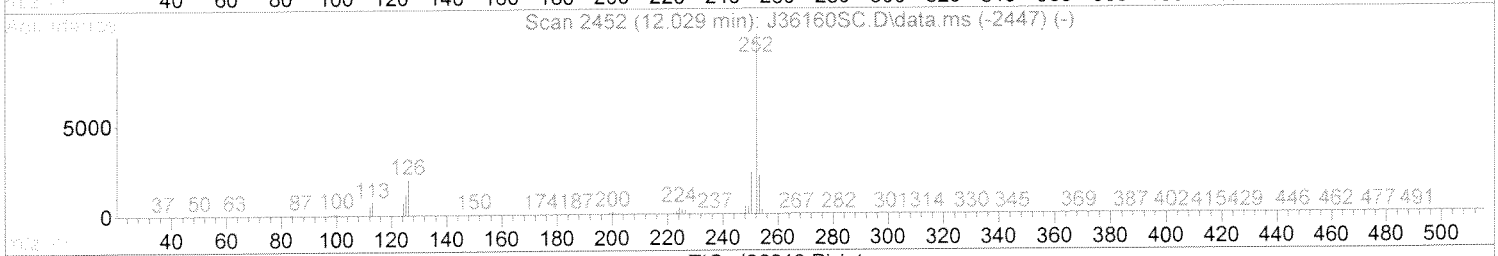
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36219.D
Acq On : 15 Oct 2010 12:58 pm
Operator : AR/MG
Sample : 67967-3
Misc : SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 15 20:49:41 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

PK 10/18/10







TIC: J36219.D\data.ms

(82) Benzo[k] fluoranthene (TM)

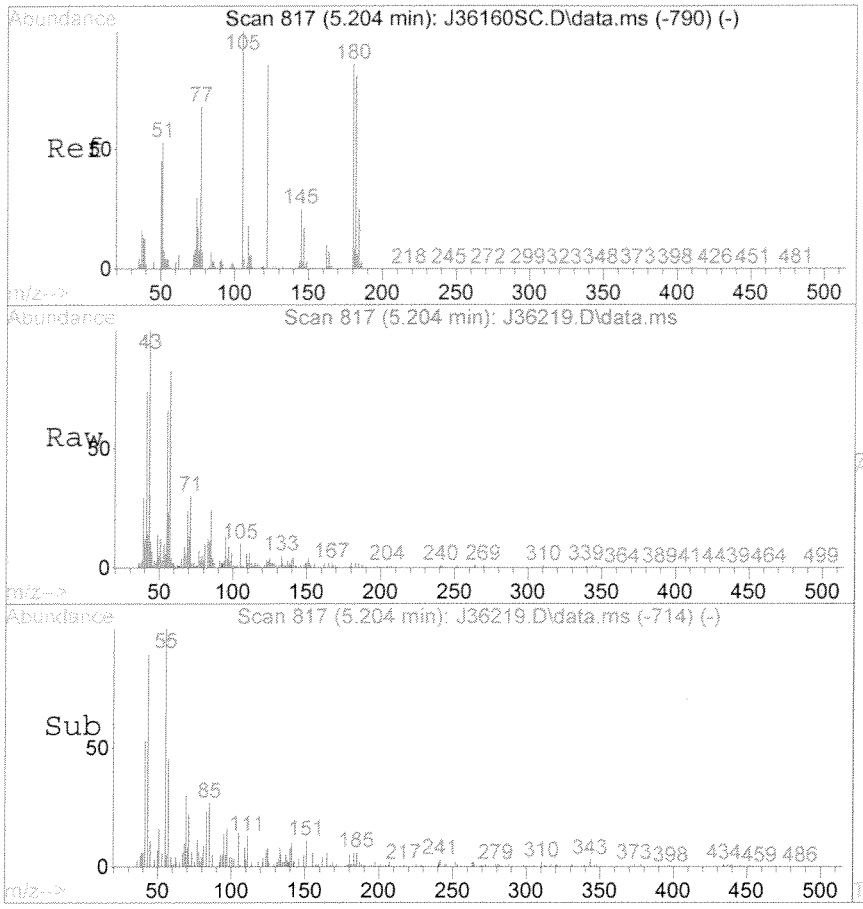
12.018min (-0.004) 0.71ug/ml m

response 19713

<J

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	84.06#
125.00	12.50	44.90#
0.00	0.00	0.00

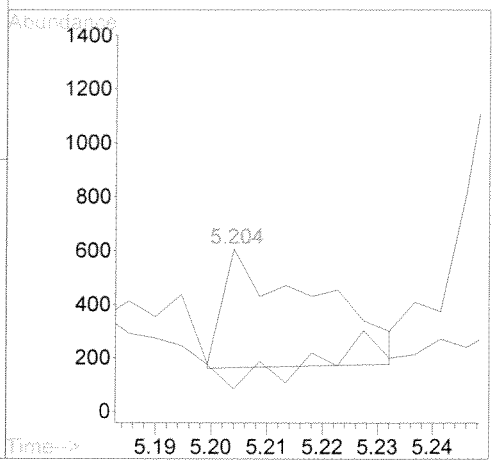
3/01810

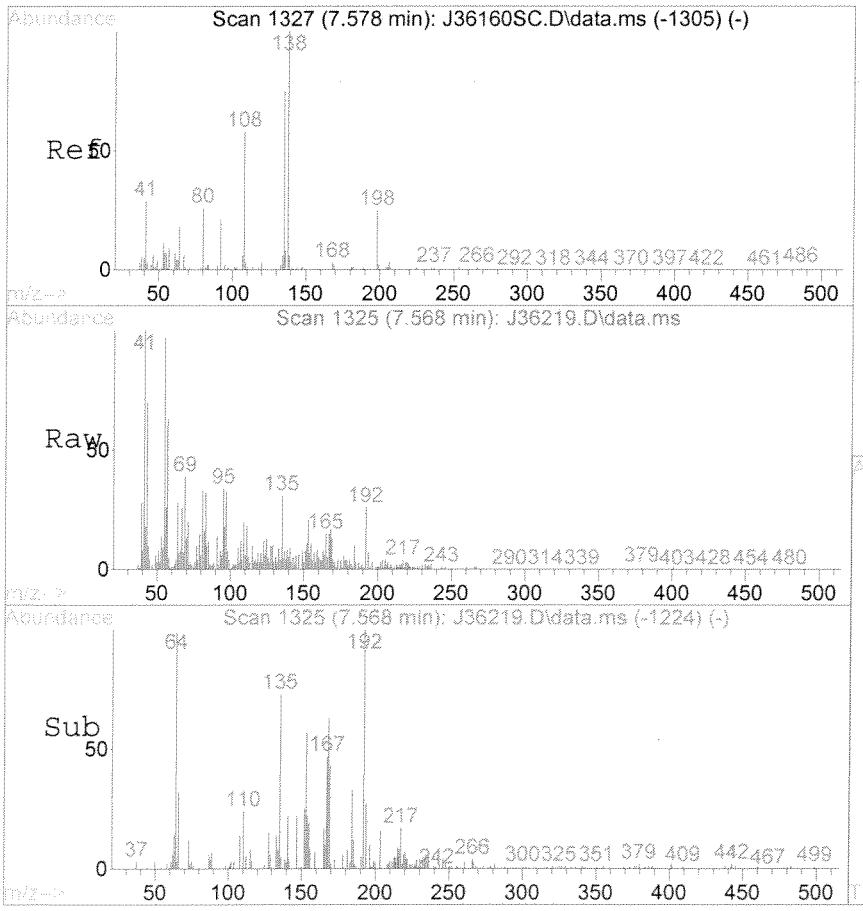


#27 X
Benzoic Acid
Concen: 3.96 ug/ml
RT: 5.204 min Scan# 817
Delta R.T. -0.019 min
Lab File: J36219.D
Acq: 15 Oct 2010 12:58 pm

Tgt Ion:105 Resp: 519

Ion	Ratio	Lower	Upper
105	100		
122	71.7	63.4	95.0

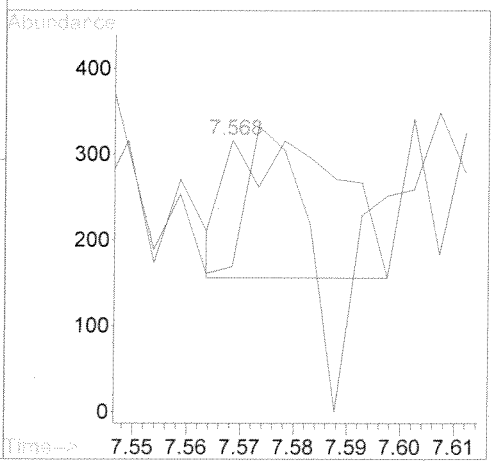


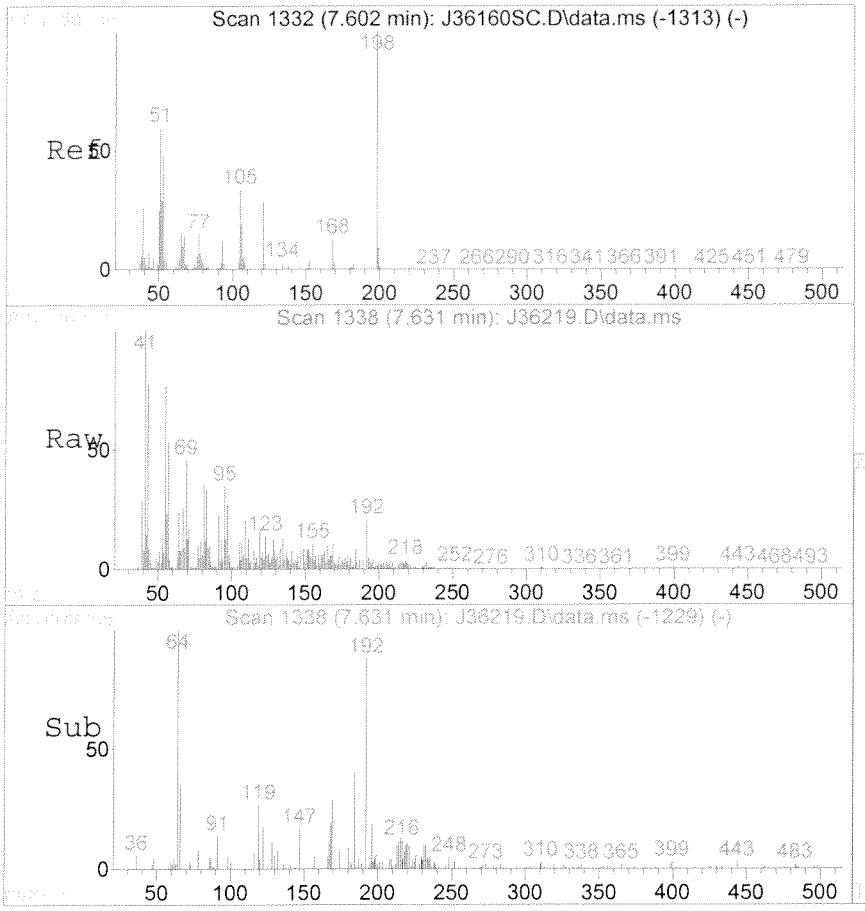


#55 X
4-Nitroaniline
Concen: 2.09 ug/ml
RT: 7.568 min Scan# 1325
Delta R.T. -0.010 min
Lab File: J36219.D
Acq: 15 Oct 2010 12:58 pm

Tgt Ion:138 Resp: 231

Ion	Ratio	Lower	Upper
138	100		
92	129.4	7.6	11.4#

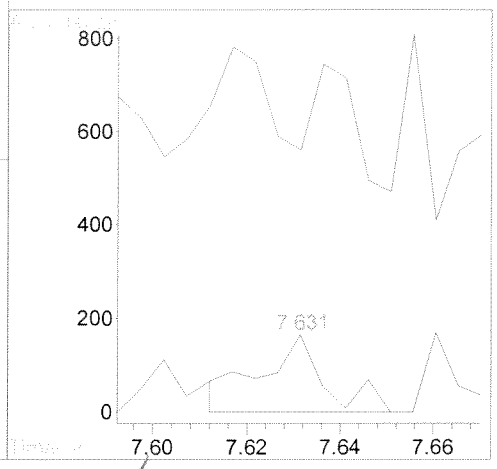


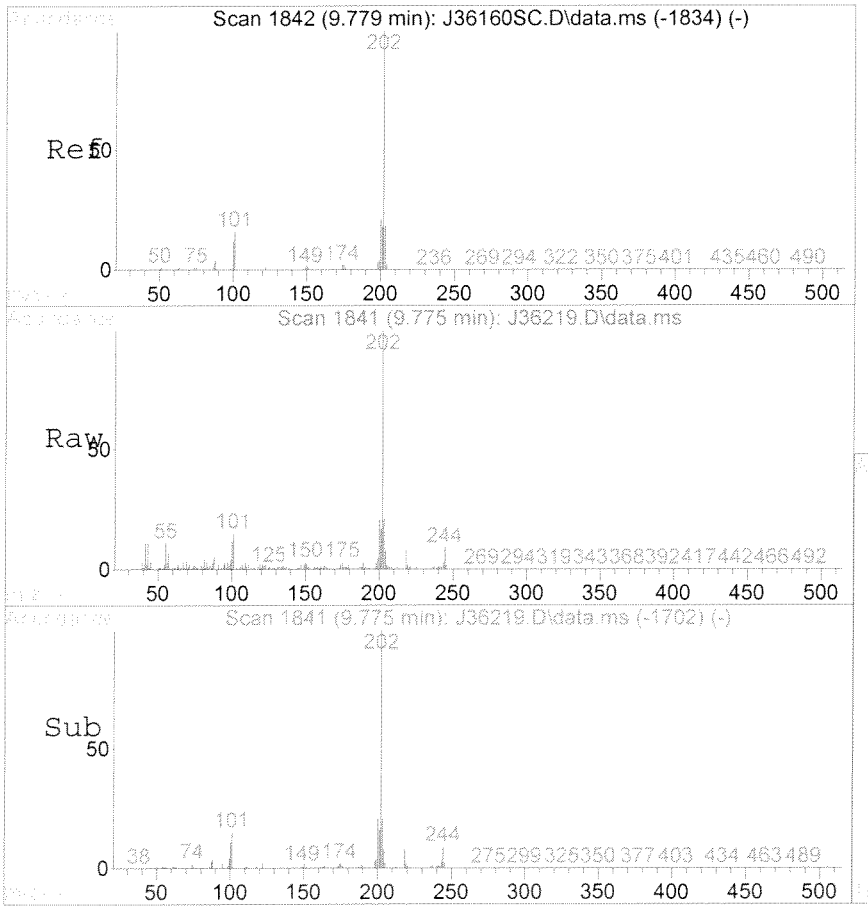


#56
4,6-Dinitro-2-methylphenol
Concen: 2.44 ug/ml
RT: 7.631 min Scan# 1338
Delta R.T. 0.029 min
Lab File: J36219.D
Acq: 15 Oct 2010 12:58 pm

Tgt Ion:198 Resp: 157

Ion	Ratio	Lower	Upper
198	100		
121	100.6	23.4	35.2#

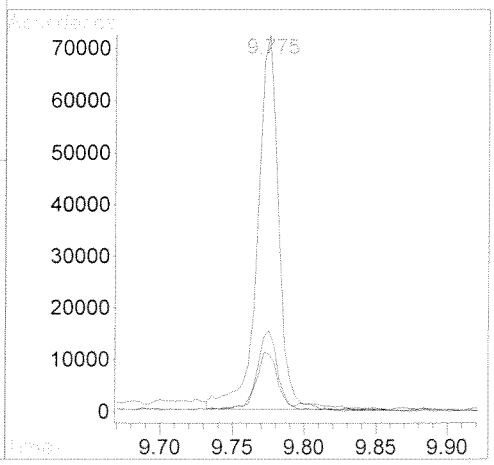


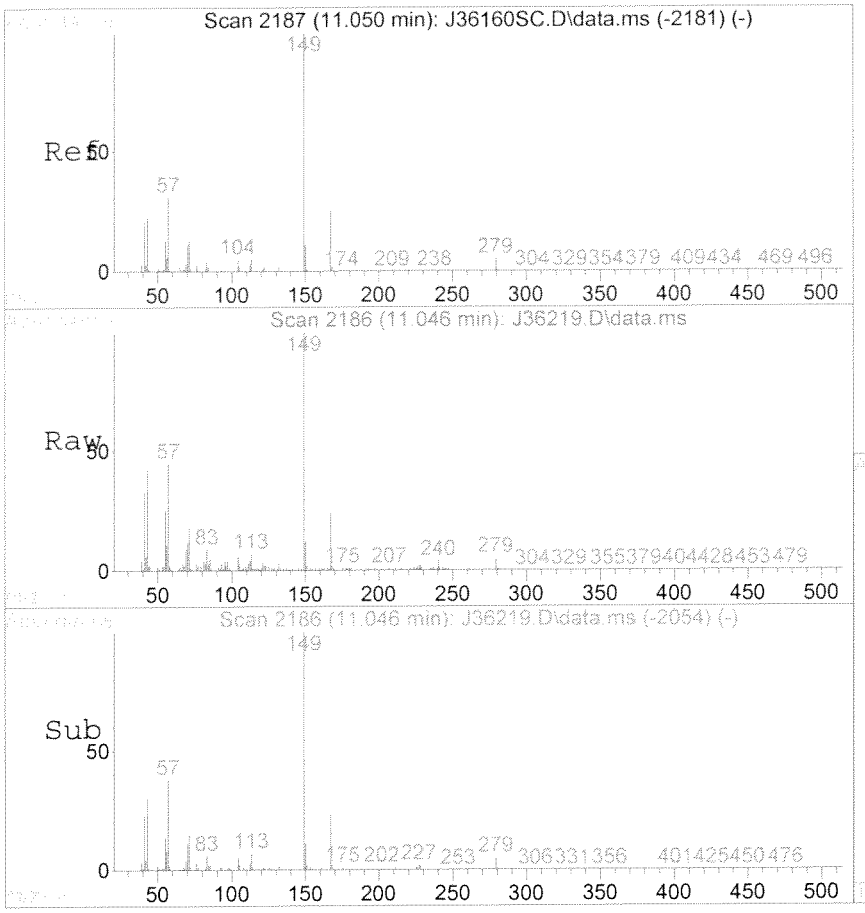


#72
Pyrene
Concen: 2.09 ug/ml
RT: 9.775 min Scan# 1841
Delta R.T. -0.000 min
Lab File: J36219.D
Acq: 15 Oct 2010 12:58 pm

Tgt Ion:202 Resp: 75293

Ion	Ratio	Lower	Upper
202	100		
101	14.8	12.1	18.1
200	21.7	16.3	24.5

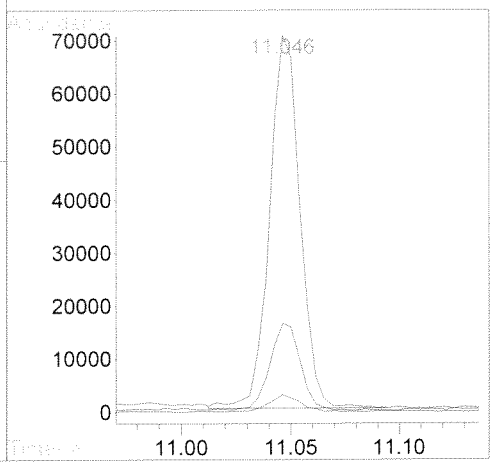




#78 ✓
Bis (2-ethylhexyl) phthalate
Concen: 3.09 ug/ml
RT: 11.046 min Scan# 2186
Delta R.T. -0.000 min
Lab File: J36219.D
Acq: 15 Oct 2010 12:58 pm

Tgt Ion:149 Resp: 67972

Ion	Ratio	Lower	Upper
149	100		
167	23.4	20.0	30.0
279	4.9	3.5	5.3



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36219.D
Acq On : 15 Oct 2010 12:58 pm
Operator : AR/MG
Sample : 67967-3
Misc : SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 18 01:22:00 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	379480	40.00 ug/ml	0.02
19) d8-Naphthalene	5.255	136	1120913	40.00 ug/ml	0.01
35) d10-Acenaphthene	6.976	164	650879	40.00 ug/ml	0.01
61) d10-Phenanthrene	8.408	188	1156179	40.00 ug/ml	0.02
71) d12-Chrysene	10.948	240	1063295	40.00 ug/ml	0.02
79) d12-Perylene	12.400	264	903713	40.00 ug/ml	0.03

System Monitoring Compounds					
4) 2-Fluorophenol	2.603	112	523925	47.18 ug/ml	0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 62.91%		
5) d5-Phenol	3.656	99	688316	53.13 ug/ml	0.01
Spiked Amount 75.000	Range 40 - 120		Recovery = 70.84%		
20) d5-nitrobenzene	4.544	82	321042	33.24 ug/ml	0.01
Spiked Amount 50.000	Range 20 - 101		Recovery = 66.48%		
39) 2-Fluorobiphenyl	6.351	172	747902	35.80 ug/ml	0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 71.60%		
60) 2,4,6-Tribromophenol	7.748	330	225286	64.72 ug/ml	0.02
Spiked Amount 75.000	Range 36 - 141		Recovery = 86.29%		
73) d14-p-terphenyl	9.970	244	729287	37.62 ug/ml	0.02
Spiked Amount 50.000	Range 38 - 108		Recovery = 75.24%		

Target Compounds					Qvalue
NT 24) CAPROLACTAM	5.764	55	13759	1.80 ug/ml#	73
NT 59) 4-(tert octyl) Phenol	7.539	135	71814	2.28 ug/ml	99
62) Octadecane	8.385	57	6677	Below Cal #	67

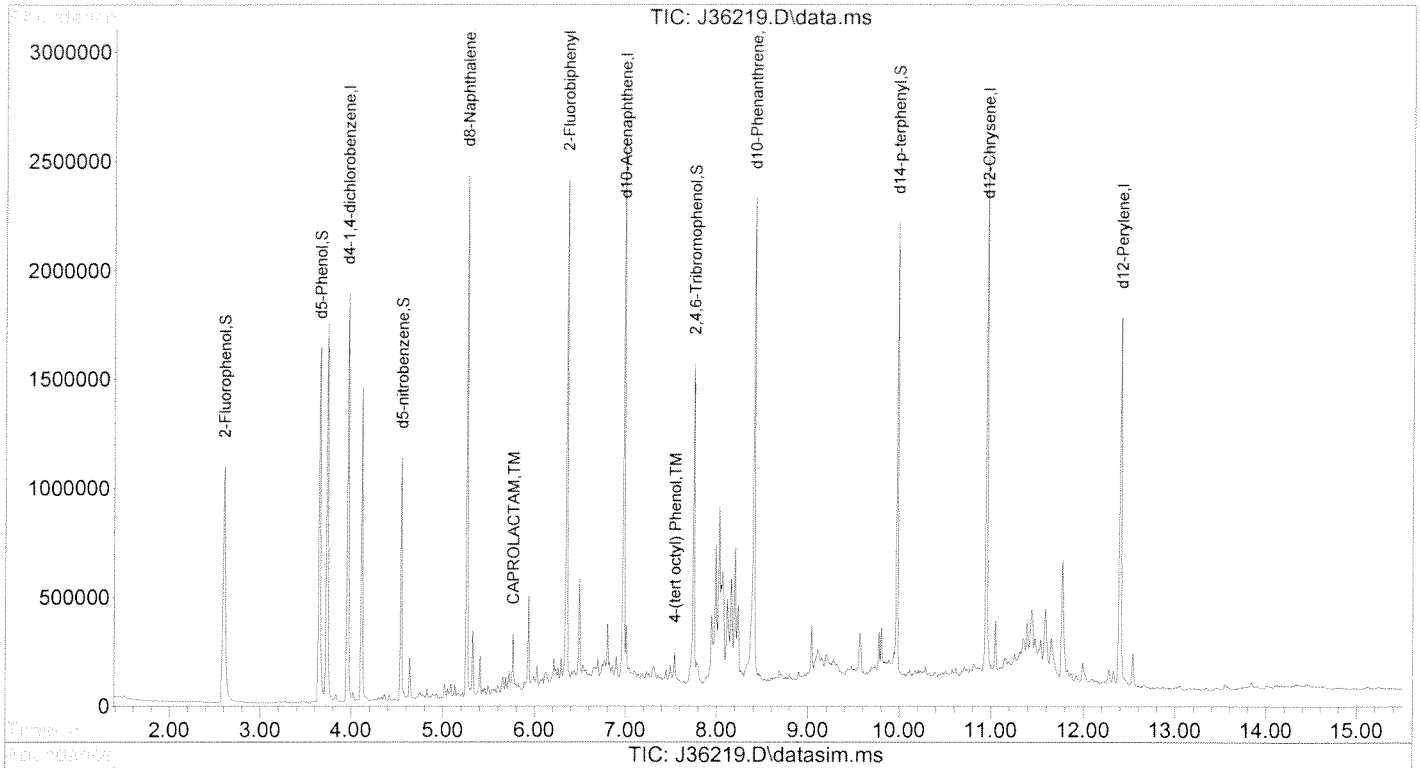
(#) = qualifier out of range (m) = manual integration (+) = signals summed

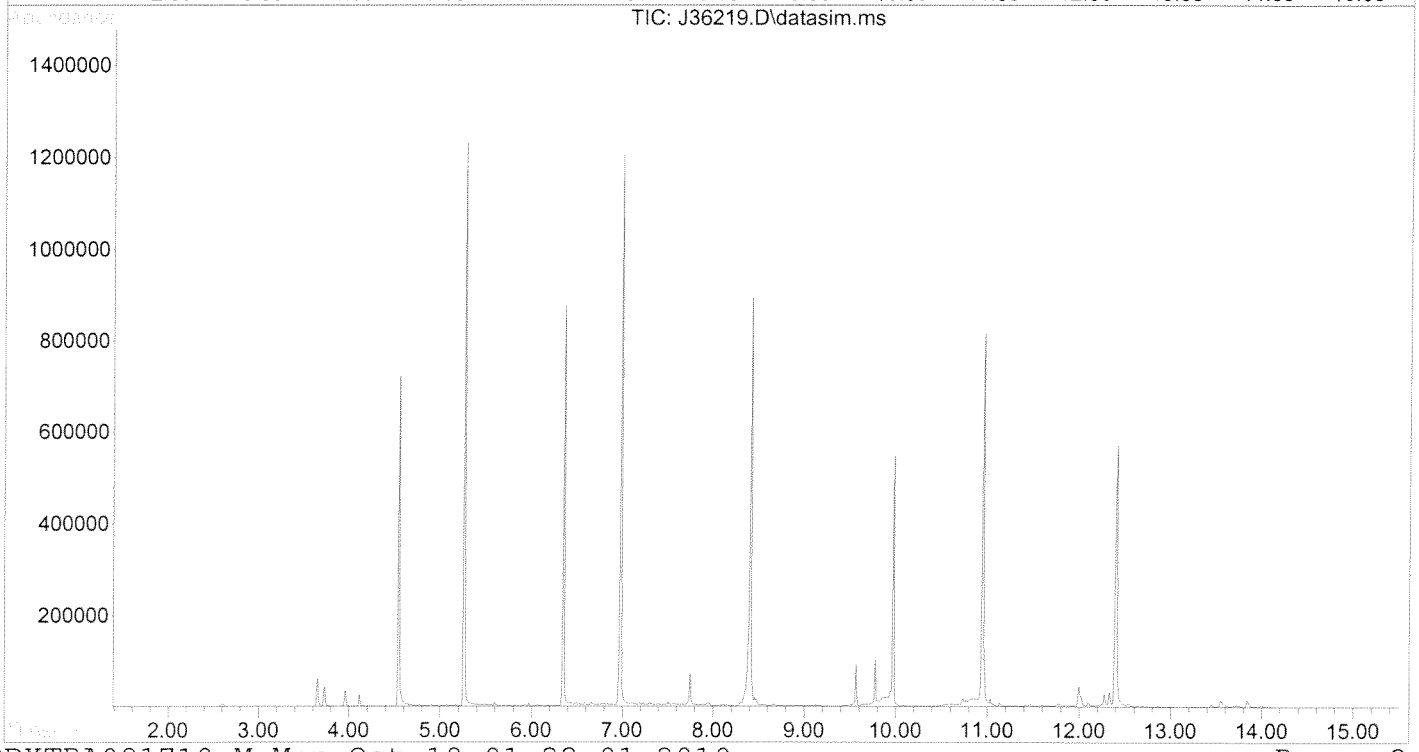
ND
Acetophenone

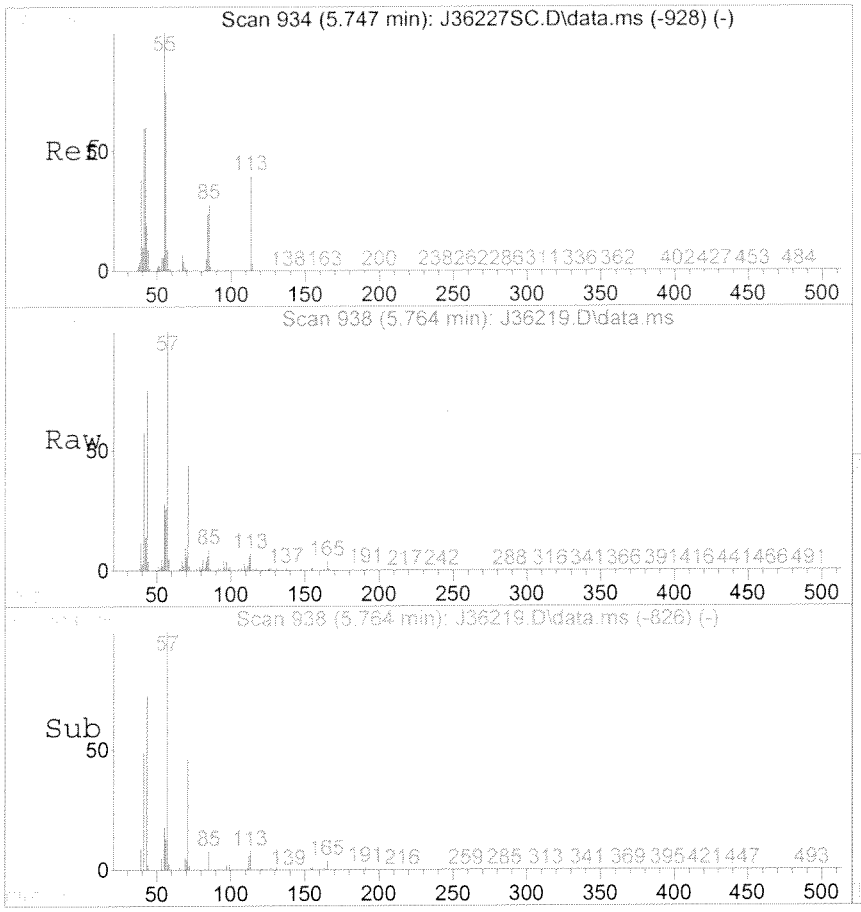
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36219.D
Acq On : 15 Oct 2010 12:58 pm
Operator : AR/MG
Sample : 67967-3
Misc : SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 18 01:22:00 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration



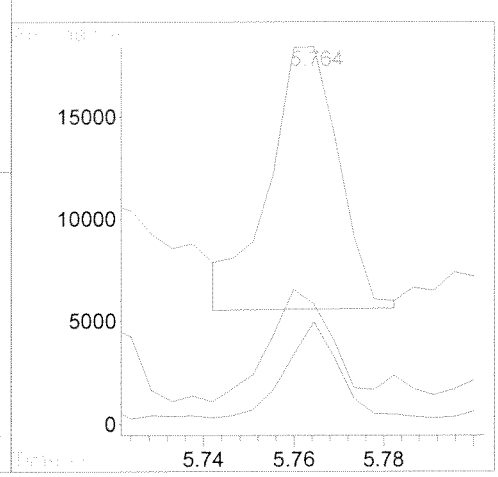


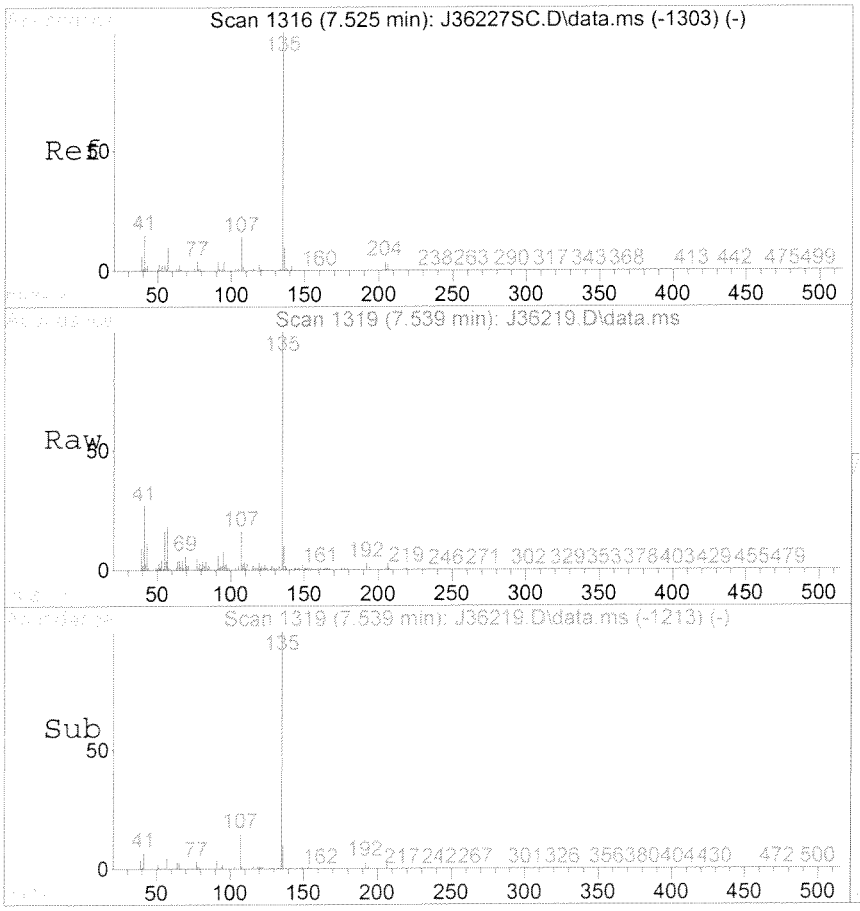


#24 NT
CAPROLACTAM
Concen: 1.80 ug/ml
RT: 5.764 min Scan# 938
Delta R.T. 0.018 min
Lab File: J36219.D
Acq: 15 Oct 2010 12:58 pm

Tgt Ion: 55 Resp: 13759

Ion	Ratio	Lower	Upper
55	100		
113	27.3	20.6	30.8
85	44.2	13.8	20.8#

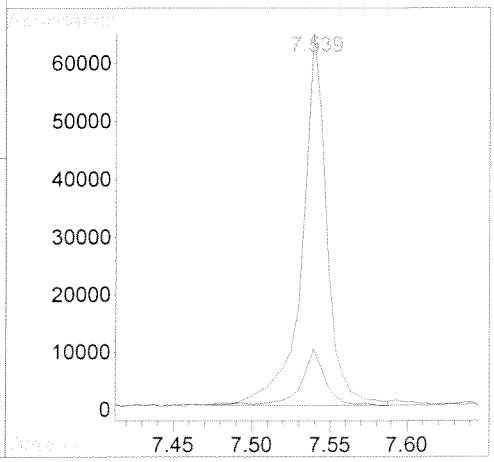




#59 NT
4-(tert octyl) Phenol
Concen: 2.28 ug/ml
RT: 7.539 min Scan# 1319
Delta R.T. 0.014 min
Lab File: J36219.D
Acq: 15 Oct 2010 12:58 pm

Tgt Ion:135 Resp: 71814

Ion	Ratio	Lower	Upper
135	100		
107	14.5	11.4	17.0



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-4
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.1
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/07/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-02

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/	Result µg/kg	COMPOUND	Detection Limit µg/	Result µg/kg
Acenaphthene	290	U	2,4-dinitrophenol	760	U
Acenaphthylene	290	U	2,4-Dinitrotoluene	380	U
Anthracene	290	U	2,6-Dinitrotoluene	540	U
Benzo[a]anthracene	290	U	di-n-octyl-phthalate	540	U
Benzo[b] fluoranthene	290	U	Fluoranthene	290	U
Benzo[k] fluoranthene	290	U	Fluorene	290	U
Benzo(g,h,i) perylene	290	U	Hexachlorobenzene	380	U
Benzo[a] pyrene	290	U	Hexachlorobutadiene	540	U
Bis(2-chloroethoxy)methane	540	U	Hexachloroethane	380	U
bis(2-chloroethyl) ether	380	U	Indeno [1,2,3-cd] pyrene	290	U
bis(2-chloroisopropyl)ether	380	U	Isophorone	540	U
Bis (2-ethylhexyl) phthalate	540	U	2-Methylnaphthalene	290	U
4-bromophenyl phenyl ether	540	U	2-Methylphenol	760	U
Butyl benzyl phthalate	540	U	3+4-Methylphenol	760	U
4-Chloroaniline	540	U	Naphthalene	290	U
2-Chloronaphthalene	290	U	Nitrobenzene	540	U
2-Chlorophenol	380	U	2-Nitrophenol	760	U
Chrysene	290	U	4-Nitrophenol	760	U
Dibenz [a,h] anthracene	290	U	Pentachlorophenol	760	U
Dibenzofuran	290	U	Phenanthrene	290	**149 J**
Di-n-butyl phthalate	540	U	Phenol	760	U
1,2-Dichlorobenzene	540	U	Pyrene	290	U
1,3-Dichlorobenzene	540	U	1,2,4-Trichlorobenzene	540	U
1,4-Dichlorobenzene	380	U	2,4,5-Trichlorophenol	540	U
3,3'-Dichlorobenzidine	540	U	2,4,6-Trichlorophenol	380	U
2,4-Dichlorophenol	380	U	Acetophenone	540	U
Diethyl Phthalate	540	U	Azobenzene	540	U
2,4-Dimethylphenol	380	U			
Dimethyl Phthalate	540	U			
Aniline	540	U			

Surrogate Standard Recovery

2-Fluorophenol	66	%	d5-Phenol	75	%	d5-nitrobenzene	69 %
2-Fluorobiphenyl	75	%	2,4,6-Tribromophenol	89	%	d14-p-terphenyl	74 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

8270 MCP(63)

Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36216.D
Acq On : 15 Oct 2010 11:56 am
Operator : AR/MG
Sample : 67967-4
Misc : SOIL
ALS Vial : 23 Sample Multiplier: 1

DF=1.08

10/18/10

Quant Time: Oct 15 20:49:33 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	390233	40.00 ug/ml	0.00
19) d8-Naphthalene	5.255	136	1171594	40.00 ug/ml	0.00
35) d10-Acenaphthene	6.981	164	681735	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.403	188	1213538	40.00 ug/ml	0.00
71) d12-Chrysene	10.948	240	1140903	40.00 ug/ml	0.00
79) d12-Perylene	12.397	264	992234	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	2.603	112	564151	49.44 ug/ml	0.00
Spiked Amount 75.000	Range 35 - 105		Recovery = 65.92%		
5) d5-Phenol	3.656	99	747514	56.12 ug/ml	0.00
Spiked Amount 75.000	Range 40 - 100		Recovery = 74.83%		
20) d5-nitrobenzene	4.544	82	347677	34.39 ug/ml	0.00
Spiked Amount 50.000	Range 35 - 100		Recovery = 68.78%		
39) 2-Fluorobiphenyl	6.351	172	816903	37.58 ug/ml	0.00
Spiked Amount 50.000	Range 45 - 105		Recovery = 75.16%		
60) 2,4,6-Tribromophenol	7.748	330	243746	66.45 ug/ml	0.00
Spiked Amount 75.000	Range 40 - 125		Recovery = 88.60%		
73) d14-p-terphenyl	9.974	244	767685	36.97 ug/ml	0.00
Spiked Amount 50.000	Range 30 - 125		Recovery = 73.94%		

Target Compounds					Qvalue
15) bis(2-chloroisopropyl)...	4.278	45	432	Below Cal #	70
17) Hexachloroethane	4.512	117	155	Below Cal	85
27) Benzoic Acid	5.213	105	648	~~3.97~~ ug/ml#	59
31) 4-Chloroaniline	5.302	127	166	Below Cal #	1
40) 2-Chloronaphthalene	6.432	162	110	Below Cal #	1
47) 2,4-dinitrophenol	7.190	184	127	~~5.66~~ ug/ml#	1
54) 4-Chlorophenyl phenyl ...	7.505	204	404	Below Cal #	1
55) 4-Nitroaniline	7.578	138	535	~~2.14~~ ug/ml#	15
56) 4,6-Dinitro-2-methylph...	7.617	198	100	~~2.43~~ ug/ml#	1
59) Biphenyl	6.436	154	1714	Below Cal #	66
65) Phenanthrene 149 ng/kg	8.426	178	73086	2.07 ug/ml	99
67) Carbazole	8.660	167	8620	Below Cal	98

J

(#) = qualifier out of range (m) = manual integration (+) = signals summed

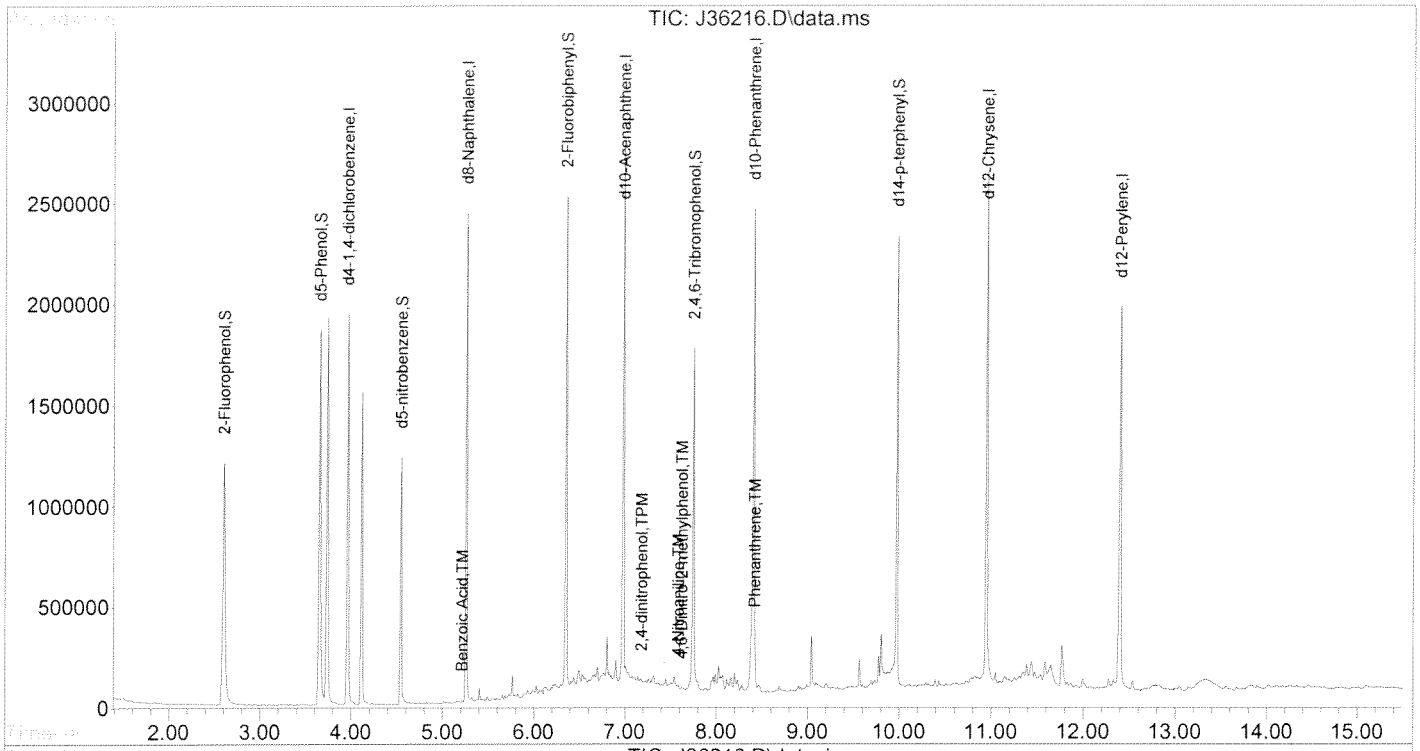
J101810

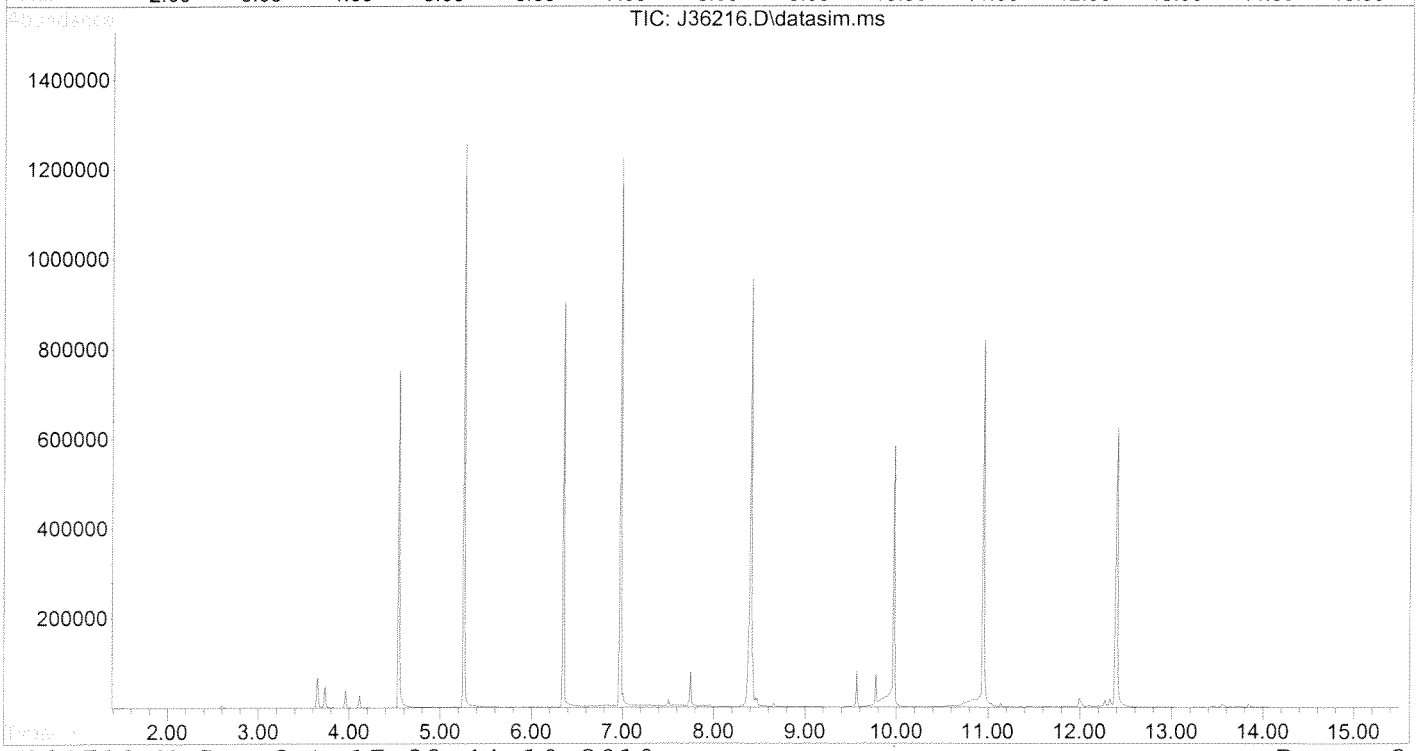
15.29g Incl FV 105g - 90.79

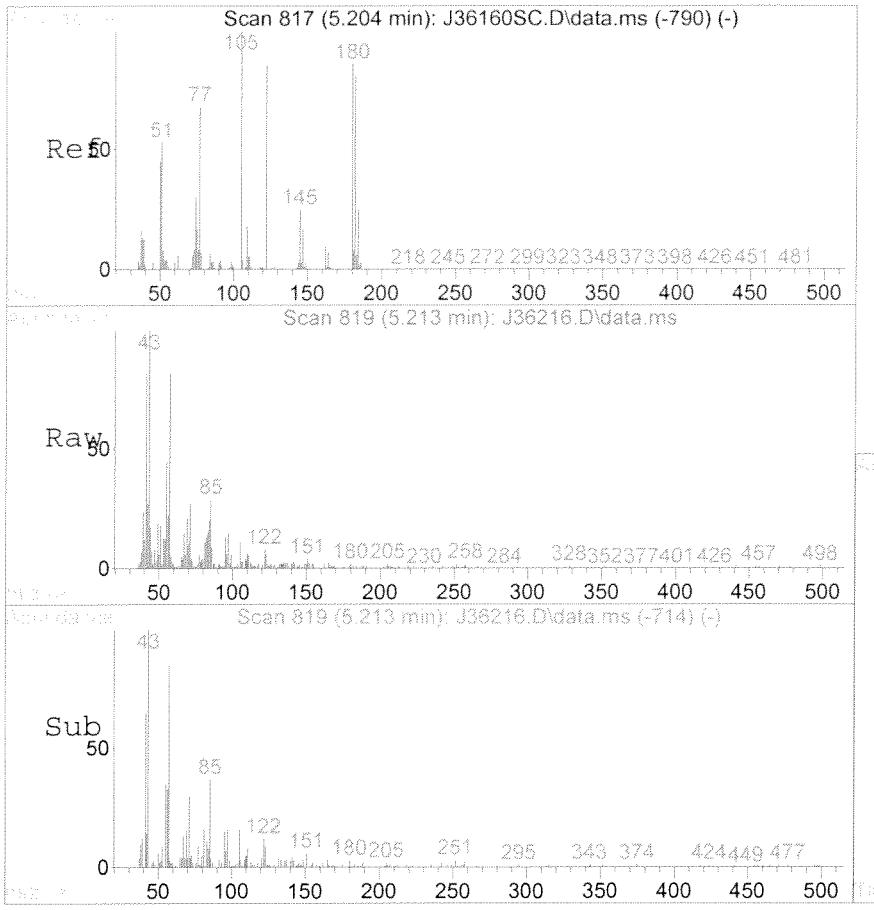
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36216.D
Acq On : 15 Oct 2010 11:56 am
Operator : AR/MG
Sample : 67967-4
Misc : SOIL
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 15 20:49:33 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration



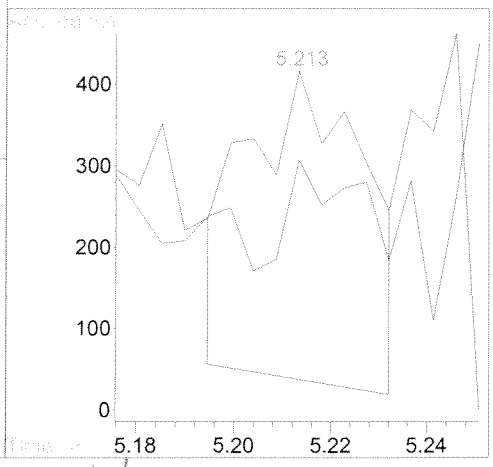


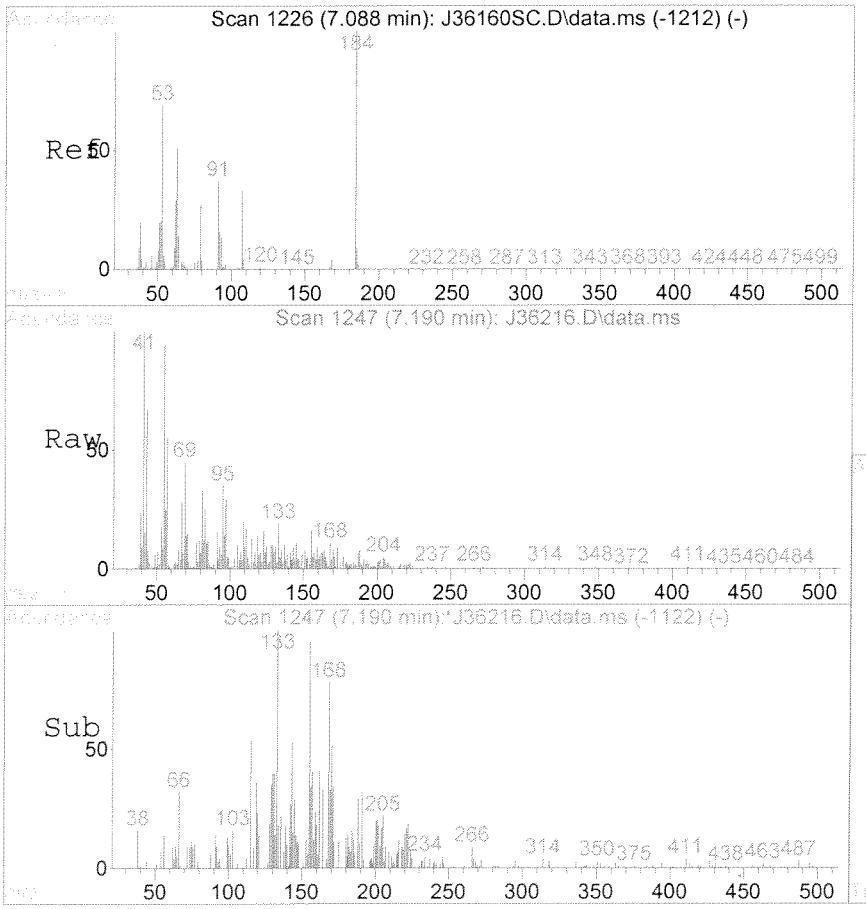


#27
Benzoic Acid
Concen: 3.97 ug/ml
RT: 5.213 min Scan# 819
Delta R.T. -0.009 min
Lab File: J36216.D
Acq: 15 Oct 2010 11:56 am

Tgt Ion:105 Resp: 648

Ion	Ratio	Lower	Upper
105	100		
122	43.1	63.4	95.0#

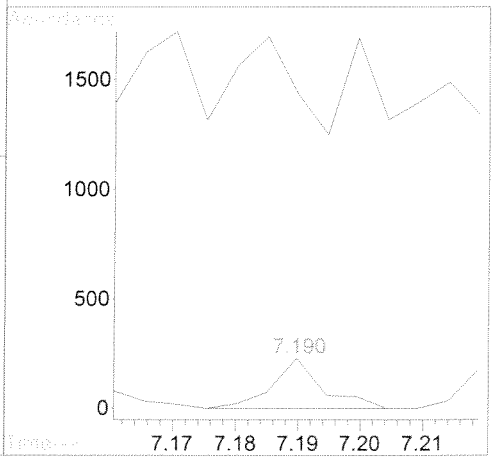


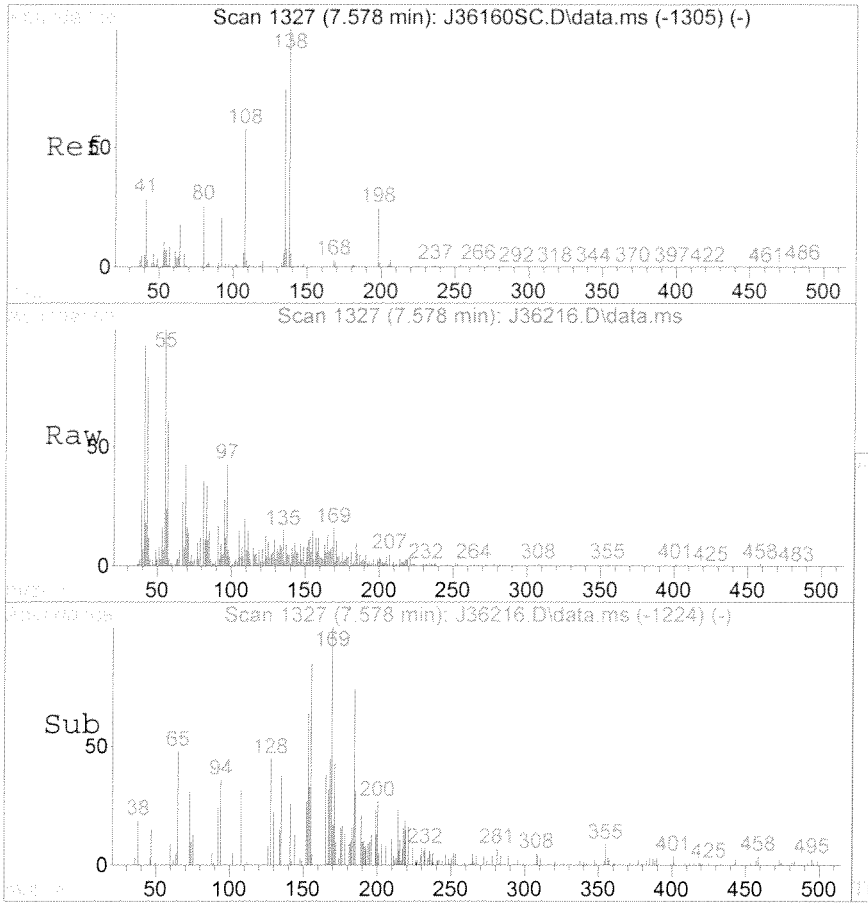


#47
2,4-dinitrophenol
Concen: 5.66 ug/ml
RT: 7.190 min Scan# 1247
Delta R.T. 0.102 min
Lab File: J36216.D
Acq: 15 Oct 2010 11:56 am

Tgt Ion:184 Resp: 127

Ion	Ratio	Lower	Upper
184	100		
91	151.2	29.8	44.6#

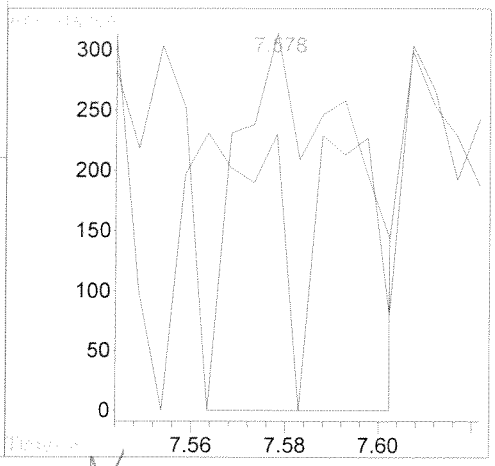


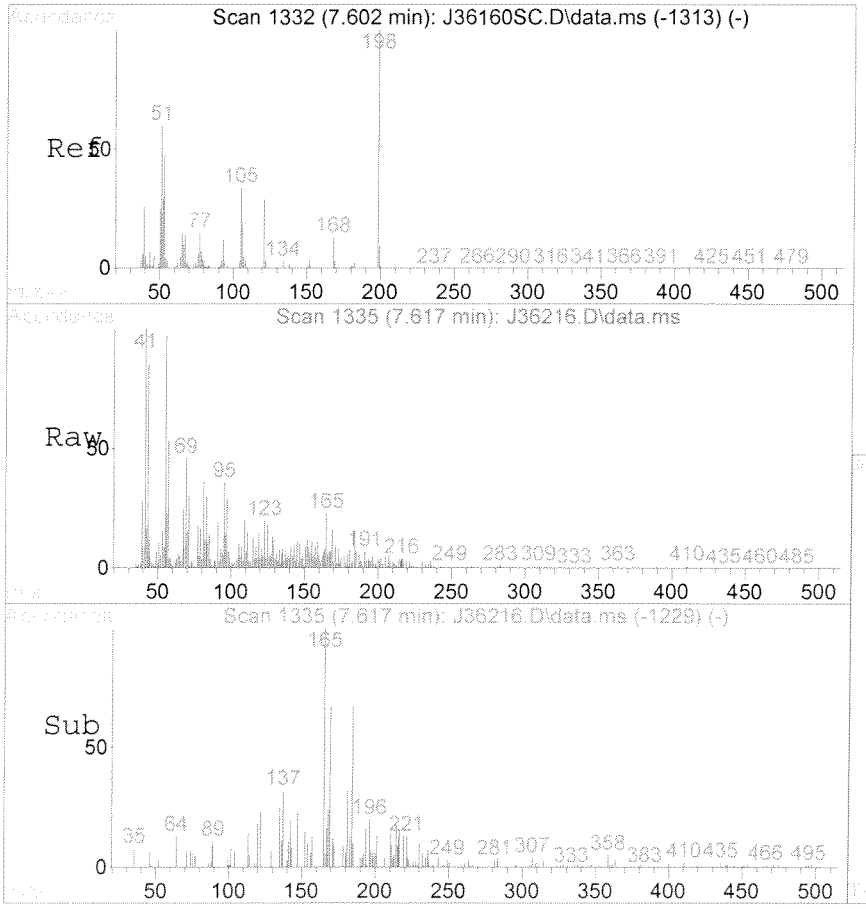


#55
4-Nitroaniline
Concen: 2.14 ug/ml
RT: 7.578 min Scan# 1327
Delta R.T. -0.000 min
Lab File: J36216.D
Acq: 15 Oct 2010 11:56 am

Tgt Ion:138 Resp: 535

Ion	Ratio	Lower	Upper
138	100		
92	40.7	7.6	11.4#

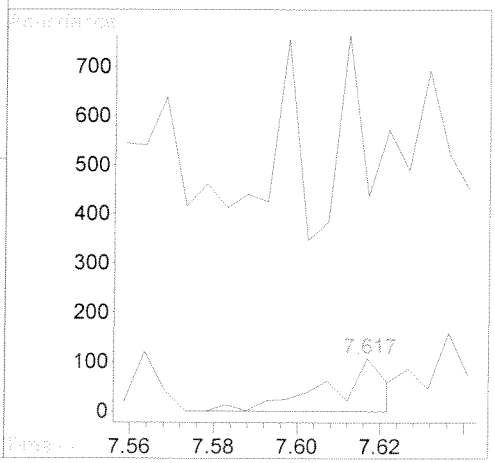


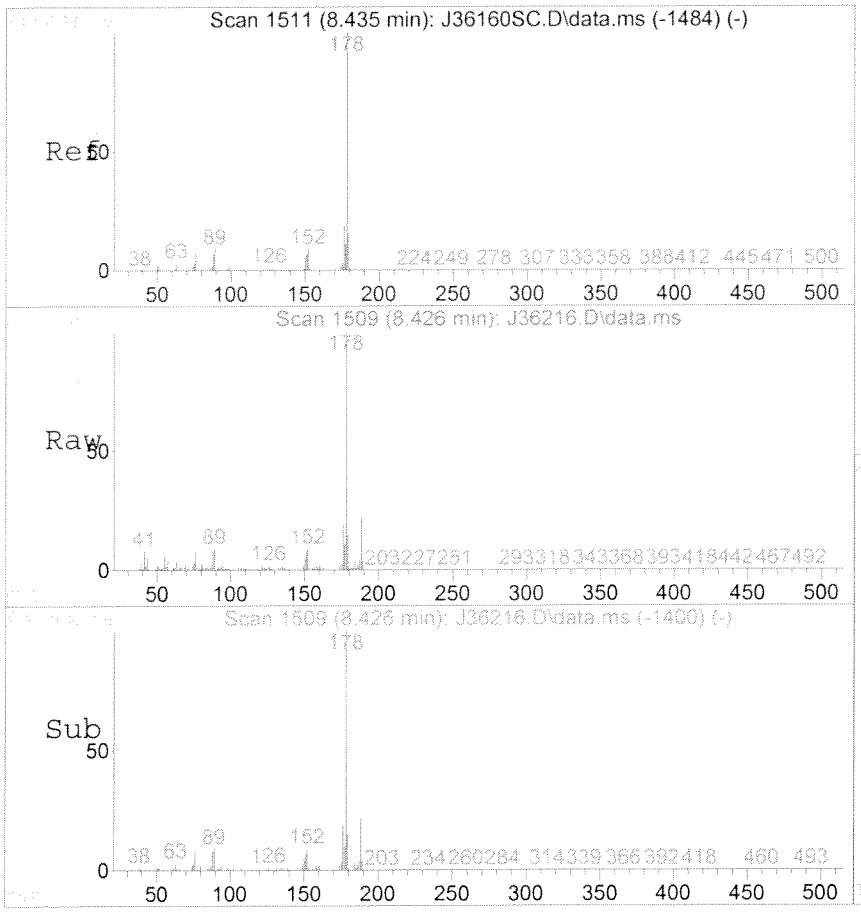


#56
4,6-Dinitro-2-methylphenol
Concen: 2.43 ug/ml
RT: 7.617 min Scan# 1335
Delta R.T. 0.014 min
Lab File: J36216.D
Acq: 15 Oct 2010 11:56 am

Tgt Ion:198 Resp: 100

Ion	Ratio	Lower	Upper
198	100		
121	266.0	23.4	35.2#

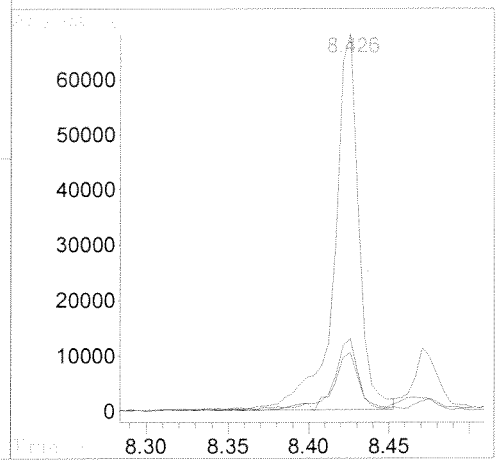




#65 ✓
Phenanthrene
Concen: 2.07 ug/ml
RT: 8.426 min Scan# 1509
Delta R.T. -0.005 min
Lab File: J36216.D
Acq: 15 Oct 2010 11:56 am

Tgt Ion:178 Resp: 73086

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.3	18.5
176	19.7	15.4	23.2



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36216.D
Acq On : 15 Oct 2010 11:56 am
Operator : AR/MG
Sample : 67967-4
Misc : SOIL
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 18 01:21:57 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	390233	40.00 ug/ml	0.02
19) d8-Naphthalene	5.255	136	1160560	40.00 ug/ml	0.01
35) d10-Acenaphthene	6.981	164	678031	40.00 ug/ml	0.02
61) d10-Phenanthrene	8.403	188	1213244	40.00 ug/ml	0.01
71) d12-Chrysene	10.948	240	1135708	40.00 ug/ml	0.01
79) d12-Perylene	12.397	264	992234	40.00 ug/ml	0.02

System Monitoring Compounds					
4) 2-Fluorophenol	2.603	112	551310	48.28 ug/ml	0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 64.37%		
5) d5-Phenol	3.656	99	744921	55.92 ug/ml	0.01
Spiked Amount 75.000	Range 40 - 120		Recovery = 74.56%		
20) d5-nitrobenzene	4.544	82	344535	34.45 ug/ml	0.01
Spiked Amount 50.000	Range 20 - 101		Recovery = 68.90%		
39) 2-Fluorobiphenyl	6.351	172	802950	37.03 ug/ml	0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 74.06%		
60) 2,4,6-Tribromophenol	7.748	330	243746	67.22 ug/ml	0.02
Spiked Amount 75.000	Range 36 - 141		Recovery = 89.63%		
73) d14-p-terphenyl	9.974	244	767685	37.07 ug/ml	0.02
Spiked Amount 50.000	Range 38 - 108		Recovery = 74.14%		

Target Compounds					Qvalue
62) Octadecane	8.390	57	1305	Below Cal #	7

(#) = qualifier out of range (m) = manual integration (+) = signals summed

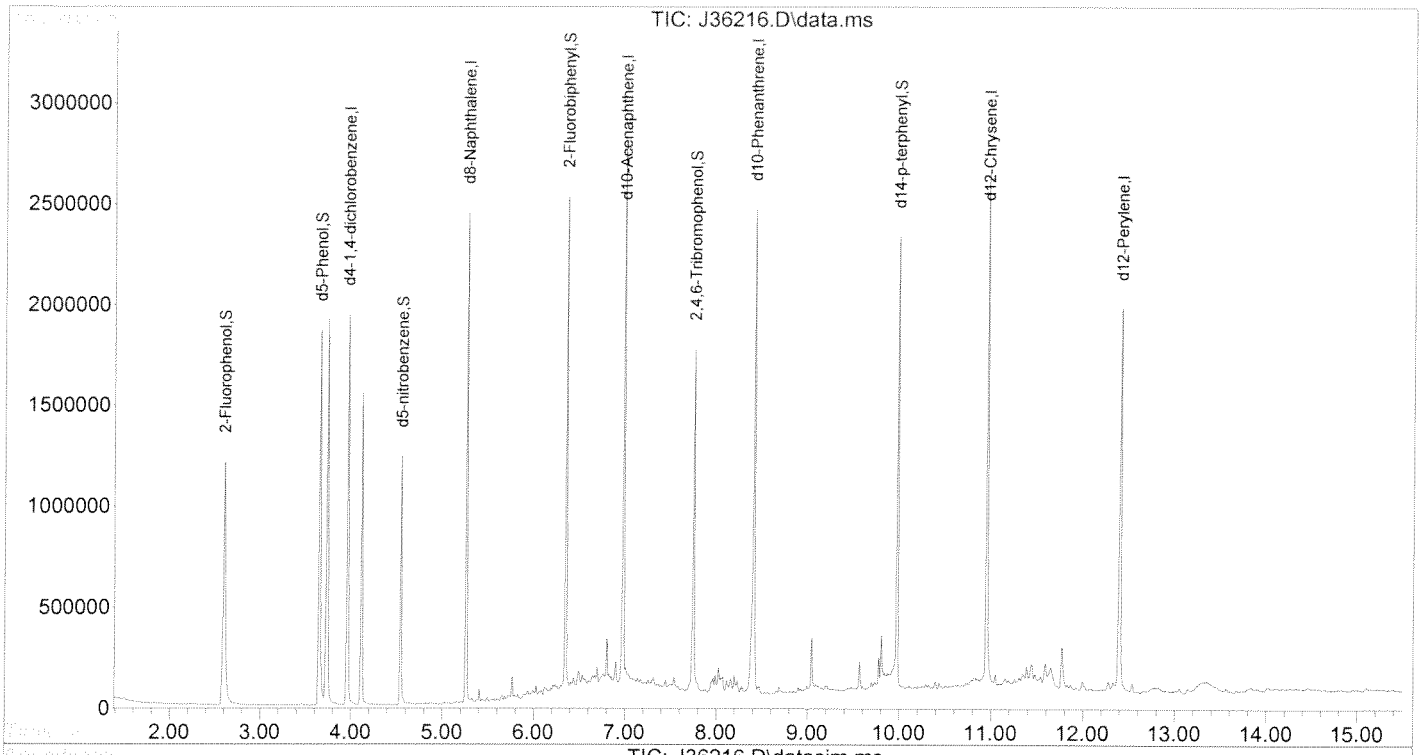
ND

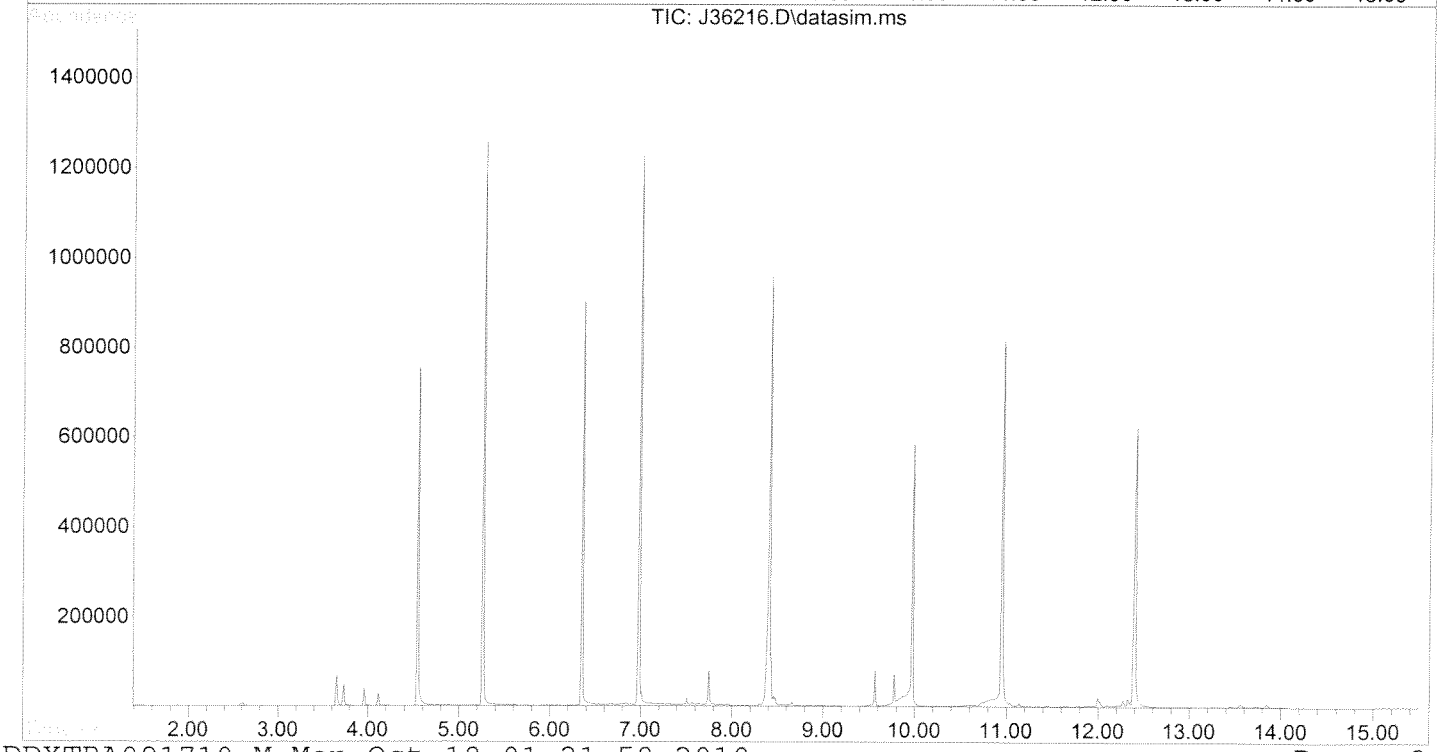
J101810

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36216.D
Acq On : 15 Oct 2010 11:56 am
Operator : AR/MG
Sample : 67967-4
Misc : SOIL
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 18 01:21:57 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration





SEMI-VOLATILE
QC FORMS

SEMIVOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#	SMC 4 (%)	#	SMC 5 (%)	#	SMC 6 (%)	#
B100710AASE,,RR	57		62		61		66		78		82	
L100710AASE,,RR	62		67		67		73		88		92	
LD100710AASE,,RR	62		66		65		74		88		98	
67967-4	66		75		69		75		89		74	
67967-4,MS	69		76		75		82		91		89	
67967-4,MSD	69		75		75		84		96		95	
67967-3	63		71		66		71		86		74	
67967-2	71		81		78		87		93		76	
67967-1	62		73		72		77		88		79	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorophenol	35	105
SMC #2 =	d5-Phenol	40	100
SMC #3 =	d5-nitrobenzene	35	100
SMC #4 =	2-Fluorobiphenyl	45	105
SMC #5 =	2,4,6-Tribromophenol	40	125
SMC #6 =	d14-p-terphenyl	30	125

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

SVOA FORM 2

SEMIVOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

10/17/10

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B100710AASE,,RR
Spike: L100710AASE,,RR
Spike duplicate: LD100710AASE,,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pyridine	2667	2667	13	77	25	0	1647	62		1539	58		7	
N-nitrosodimethylamine	2667	2667	20	115	25	0	1527	57		1464	55		4	
Aniline	2667	2667	60	120	25	0	1581	59	*	1677	63		6	
Phenol	5333	5333	40	100	25	0	3619	68		3622	68		0	
2-Chlorophenol	5333	5333	45	110	25	0	3290	62		3326	62		1	
bis(2-chloroethyl) ether	2667	2667	40	105	25	0	1709	64		1609	60		6	
1,3-Dichlorobenzene	2667	2667	40	100	25	0	1573	59		1573	59		0	
1,4-Dichlorobenzene	2667	2667	35	105	25	0	1603	60		1605	60		0	
1,2-Dichlorobenzene	2667	2667	45	95	25	0	1522	57		1504	56		1	
Benzyl Alcohol	2667	2667	20	125	25	0	2013	75		2069	78		3	
2-Methylphenol	5333	5333	40	105	25	0	3439	64		3456	65		0	
bis(2-chloroisopropyl)ether	2667	2667	20	115	25	0	1745	65		1732	65		1	
3+4-Methylphenol	5333	5333	40	105	25	0	3689	69		3643	68		1	
Hexachloroethane	2667	2667	35	110	25	0	1749	66		1721	65		2	
N-nitroso-di-n-propylamine	2667	2667	40	115	25	0	2023	76		1974	74		2	
Nitrobenzene	2667	2667	40	115	25	0	1692	63		1669	63		1	
Isophorone	2667	2667	45	110	25	0	1901	71		1899	71		0	
2-Nitrophenol	5333	5333	40	110	25	0	3688	69		3571	67		3	
2,4-Dimethylphenol	5333	5333	30	105	25	0	3296	62		3277	61		1	
Bis(2-chloroethoxy)methane	2667	2667	45	110	25	0	1736	65		1734	65		0	
2,4-Dichlorophenol	5333	5333	45	110	25	0	3752	70		3761	71		0	
Benzoic Acid	5333	5333	30	150	25	0	1639	31		1705	32		4	
1,2,4-Trichlorobenzene	2667	2667	45	110	25	0	1677	63		1690	63		1	
Naphthalene	2667	2667	40	105	25	0	1694	64		1703	64		1	
4-Chloroaniline	2667	2667	60	120	25	0	2093	79		2087	78		0	
Hexachlorobutadiene	2667	2667	40	115	25	0	1750	66		1720	65		2	
4-Chloro-3-methylphenol	5333	5333	45	115	25	0	4105	77		4034	76		2	
2-Methylnaphthalene	2667	2667	45	105	25	0	1807	68		1799	67		0	
Hexachlorocyclopentadiene	2667	2667	36	97	25	0	1837	69		1879	70		2	
2,4,6-Trichlorophenol	5333	5333	45	110	25	0	4024	75		4157	78		3	
2,4,5-Trichlorophenol	5333	5333	50	110	25	0	4100	77		4242	80		3	
2-Chloronaphthalene	2667	2667	45	105	25	0	1855	70		1930	72		4	
2-Nitroaniline	2667	2667	45	120	25	0	1933	72		2173	81		12	
2,6-Dinitrotoluene	2667	2667	50	110	25	0	1969	74		2090	78		6	
Dimethyl Phthalate	2667	2667	50	110	25	0	2134	80		2235	84		5	
Acenaphthylene	2667	2667	45	105	25	0	1980	74		2040	77		3	
3-Nitroaniline	2667	2667	25	110	25	0	2508	94		2622	98		4	
Acenaphthene	2667	2667	45	110	25	0	1901	71		1937	73		2	
2,4-dinitrophenol	5333	5333	15	130	25	0	3810	71		3695	69		3	
Dibenzofuran	2667	2667	50	105	25	0	1892	71		1973	74		4	
4-Nitrophenol	5333	5333	15	140	25	0	5060	95		5075	95		0	
2,4-Dinitrotoluene	2667	2667	50	115	25	0	2216	83		2257	85		2	
Fluorene	2667	2667	50	110	25	0	1949	73		1998	75		2	
Diethyl Phthalate	2667	2667	50	115	25	0	1962	74		2063	77		5	
4-Chlorophenyl phenyl ether	2667	2667	45	110	25	0	2093	78		2166	81		3	
4-Nitroaniline	2667	2667	35	115	25	0	2386	89		2587	97		8	
4,6-Dinitro-2-methylphenol	5333	5333	30	135	25	0	4441	83		4300	81		3	
n-nitrosodiphenylamine	2667	2667	50	115	25	0	2108	79		2201	83		4	
Azobenzene	2667	2667	63	115	25	0	2149	81		2180	82		1	
Biphenyl	2667	2667	60	140	25	0	1999	75		2045	77		2	
4-bromophenyl phenyl ether	2667	2667	45	115	25	0	2418	91		2343	88		3	
Hexachlorobenzene	2667	2667	45	120	25	0	2442	92		2319	87		5	
Pentachlorophenol	5333	5333	20	120	25	0	5401	101		5054	95		7	
Phenanthrene	2667	2667	50	110	25	0	2572	96		2489	93		3	

SVOA FORM 3

SEMIVOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B100710AASE,,RR
Spike: LI00710AASE,,RR
Spike duplicate: LDI00710AASE,,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Anthracene	2667	2667	55	105	25	0	2089	78		2006	75		4	
Carbazole	5333	5333	45	115	25	0	6477	121	*	6252	117	*	4	
Di-n-butyl phthalate	2667	2667	55	110	25	0	2156	81		2097	79		3	
Fluoranthene	2667	2667	55	115	25	0	2153	81		2089	78		3	
Benzidine	5333	5333	29	187	25	0	3861	72		4617	87		18	
Pyrene	2667	2667	45	125	25	0	2272	85		2521	95		10	
Butyl benzyl phthalate	2667	2667	50	125	25	0	2380	89		2473	93		4	
Benzo[a]anthracene	2667	2667	50	110	25	0	2281	86		2324	87		2	
Chrysene	2667	2667	55	110	25	0	2384	89		2423	91		2	
3,3'-Dichlorobenzidine	5333	5333	64	113	25	0	4949	93		5270	99		6	
Bis (2-ethylhexyl) phthalate	2667	2667	45	125	25	0	2412	90		2452	92		2	
di-n-octyl-phthalate	2667	2667	40	130	25	0	2258	85		2347	88		4	
Benzo[b] fluoranthene	2667	2667	45	115	25	0	2277	85		2404	90		5	
Benzo[k] fluoranthene	2667	2667	45	125	25	0	2518	94		2648	99		5	
Benzo[a] pyrene	2667	2667	50	110	25	0	2027	76		2107	79		4	
Indeno [1,2,3-cd] pyrene	2667	2667	40	120	25	0	2294	86		2452	92		7	
Dibenz [a,h] anthracene	2667	2667	40	125	25	0	2297	86		2476	93		7	
Benzo(g,h,i) perylene	2667	2667	40	125	25	0	2232	84		2563	96		14	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

SVOA FORM 3

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36205Q.D
Acq On : 15 Oct 2010 8:03 am
Operator : AR/MG
Sample : L100710AASE,,RR
Misc : SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 22:52:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/17/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.965	152	368589	40.00	ug/ml	0.00
19) d8-Naphthalene	5.260	136	1094424	40.00	ug/ml	0.00
35) d10-Acenaphthene	6.981	164	656629	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.408	188	1046945	40.00	ug/ml	0.00
71) d12-Chrysene	10.956	240	1018396	40.00	ug/ml	0.00
79) d12-Perylene	12.400	264	1014885	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.599	112	504972	46.85	ug/ml	0.00
Spiked Amount 75.000	Range 35 - 105		Recovery = 62.47%			
5) d5-Phenol	3.651	99	628541	49.96	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 100		Recovery = 66.61%			
20) d5-nitrobenzene	4.549	82	315666	33.42	ug/ml	0.00
Spiked Amount 50.000	Range 35 - 100		Recovery = 66.84%			
39) 2-Fluorobiphenyl	6.351	172	767118	36.54	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 105		Recovery = 73.08%			
60) 2,4,6-Tribromophenol	7.753	330	233246	66.02	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 125		Recovery = 88.03%			
73) d14-p-terphenyl	9.970	244	853599	46.06	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 125		Recovery = 92.12%			

Target Compounds						Qvalue
2) Pyridine	1.439	79	296370	24.70	ug/ml	93
3) N-nitrosodimethylamine	1.420	74	149449	22.90	ug/ml	94
6) Aniline	3.637	93	403064	23.72	ug/ml#	52
7) Phenol	3.670	94	700618	54.29	ug/ml#	87
8) 2-Chlorophenol	3.754	128	558445	49.35	ug/ml	92
9) bis(2-chloroethyl) ether	3.731	63	278912	25.63	ug/ml	98
10) 1,3-Dichlorobenzene	3.899	146	344076	23.60	ug/ml	98
11) 1,4-Dichlorobenzene	3.979	146	335371	24.04	ug/ml	99
12) 1,2-Dichlorobenzene	4.133	146	322119	22.83	ug/ml	97
13) Benzyl Alcohol	4.147	108	185515	30.19	ug/ml	96
14) 2-Methylphenol	4.287	108	474527	51.59	ug/ml	99
15) bis(2-chloroisopropyl)...	4.287	45	547854	26.18	ug/ml	99
16) 3+4-Methylphenol	4.465	108	499538	55.33	ug/ml	99
17) Hexachloroethane	4.470	117	109066	26.23	ug/ml	100
18) N-nitroso-di-n-propyla...	4.437	70	188403	30.34	ug/ml	97
21) Nitrobenzene	4.568	123	133781	25.38	ug/ml	99
22) Isophorone	4.839	82	500814	28.51	ug/ml	100
23) 2-Nitrophenol	4.895	139	345676	55.32	ug/ml	99
24) 2,4-Dimethylphenol	4.994	107	503455	49.43	ug/ml	100
25) Bis(2-chloroethoxy)met...	5.078	93	310471	26.04	ug/ml	100
26) 2,4-Dichlorophenol	5.153	162	529051	56.27	ug/ml	99

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36205Q.D
Acq On : 15 Oct 2010 8:03 am
Operator : AR/MG
Sample : L100710AASE,,RR
Misc : SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 22:52:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.181	105	130073	24.59 ug/ml	87
28) 1,2,4-Trichlorobenzene	5.213	180	286581	25.16 ug/ml	100
29) Naphthalene	5.284	128	737892	25.41 ug/ml	100
30) 2,6-Dichlorophenol	5.372	162	257244	30.57 ug/ml	84
31) 4-Chloroaniline	5.368	127	368657	31.40 ug/ml	96
32) Hexachlorobutadiene	5.424	225	174031	26.25 ug/ml	99
33) 4-Chloro-3-methylphenol	5.890	107	507348	61.57 ug/ml	99
34) 2-Methylnaphthalene	5.971	141	471634	27.10 ug/ml	98
36) Hexachlorocyclopentadiene	6.132	237	185589	27.55 ug/ml	98
37) 2,4,6-Trichlorophenol	6.275	196	417008	60.36 ug/ml	99
38) 2,4,5-Trichlorophenol	6.311	196	485642	61.50 ug/ml	97
40) 2-Chloronaphthalene	6.445	162	508920	27.83 ug/ml	100
41) 2-Nitroaniline	6.571	138	249213	28.99 ug/ml	95
42) 2,6-Dinitrotoluene	6.826	165	162180	29.53 ug/ml	96
43) Dimethyl Phthalate	6.777	163	797189	32.00 ug/ml	100
44) Acenaphthylene	6.840	152	919794	29.69 ug/ml	99
45) 3-Nitroaniline	6.981	138	182354	37.62 ug/ml	94
46) Acenaphthene	7.010	153	555675	28.52 ug/ml	99
47) 2,4-dinitrophenol	7.093	184	191834	57.15 ug/ml	99
48) Dibenzofuran	7.180	168	899273	28.38 ug/ml	96
49) 4-Nitrophenol	7.204	109	196966	75.90 ug/ml	99
50) 2,4-Dinitrotoluene	7.214	165	232532	33.23 ug/ml	98
51) 2,3,4,6-Tetrachlorophenol	7.321	232	248604	39.18 ug/ml	99
52) Fluorene	7.515	166	682048	29.23 ug/ml	99
53) Diethyl Phthalate	7.471	149	692617	29.44 ug/ml	97
54) 4-Chlorophenyl phenyl ...	7.534	204	355152	31.40 ug/ml#	93
55) 4-Nitroaniline	7.583	138	186969	35.80 ug/ml#	26
56) 4,6-Dinitro-2-methylph...	7.612	198	311091	66.61 ug/ml	100
57) n-nitrosodiphenylamine	7.661	169	534310	31.61 ug/ml	96
58) Azobenzene	7.690	77	650575	32.23 ug/ml	95
59) Biphenyl	6.441	154	648266	29.98 ug/ml	100
62) 4-bromophenyl phenyl e...	7.998	248	251261	36.27 ug/ml	99
63) Hexachlorobenzene	8.039	284	271693	36.63 ug/ml	97
64) Pentachlorophenol	8.250	266	356079	81.01 ug/ml	100
65) Phenanthrene	8.430	178	1172489	38.58 ug/ml	100
66) Anthracene	8.480	178	978752	31.34 ug/ml	100
67) Carbazole	8.660	167	1697237	97.16 ug/ml	100
68) Di-n-butyl phthalate	9.043	149	1194559	32.34 ug/ml	100
69) Fluoranthene	9.570	202	1091152	32.29 ug/ml	100
70) Benzidine	9.739	184	325787	57.91 ug/ml#	96
72) Pyrene	9.779	202	1155667	34.08 ug/ml	98
74) Butyl benzyl phthalate	10.476	149	577492	35.71 ug/ml	100
75) Benzo[a]anthracene	10.937	228	973360	34.22 ug/ml	99

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36205Q.D
Acq On : 15 Oct 2010 8:03 am
Operator : AR/MG
Sample : L100710AASE,,RR
Misc : SOIL
ALS Vial : 12 Sample Multiplier: 1

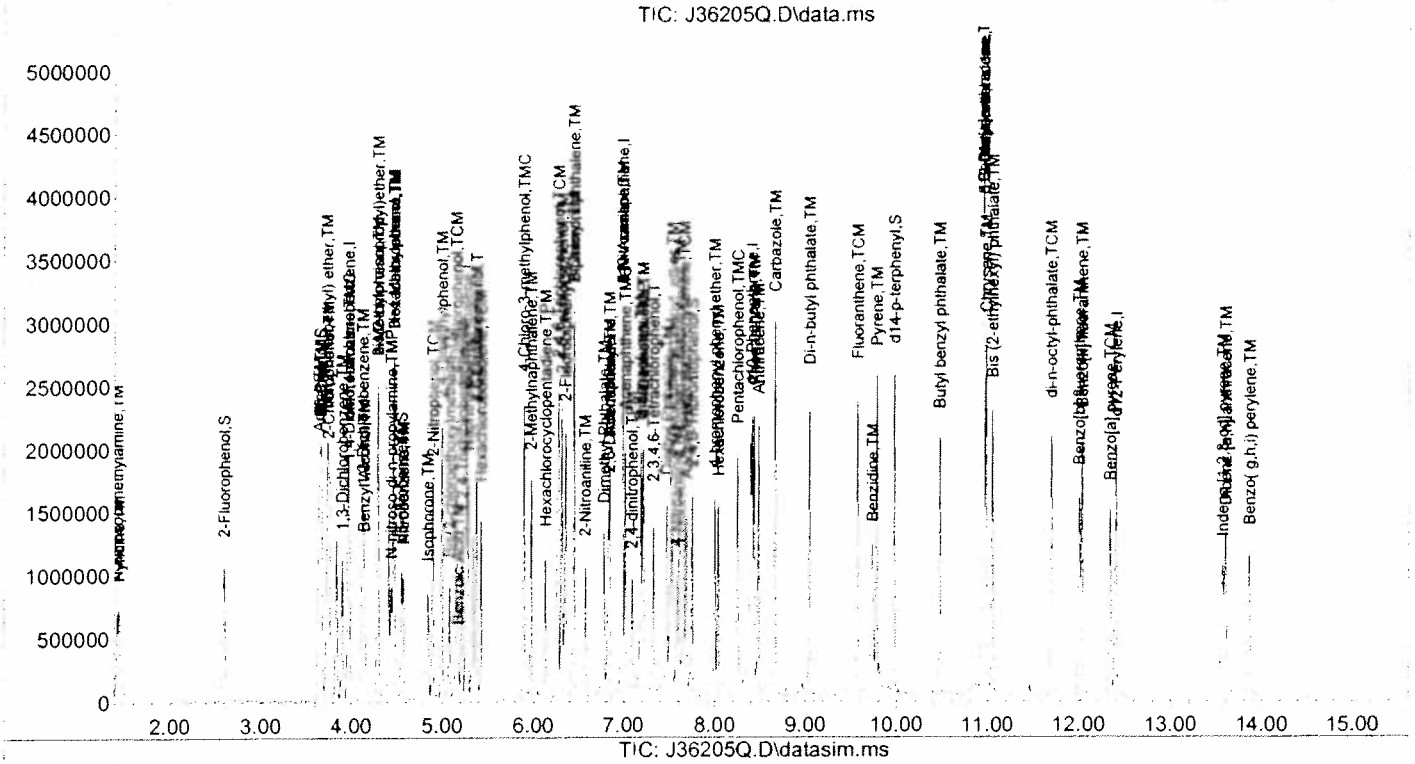
Quant Time: Oct 17 22:52:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

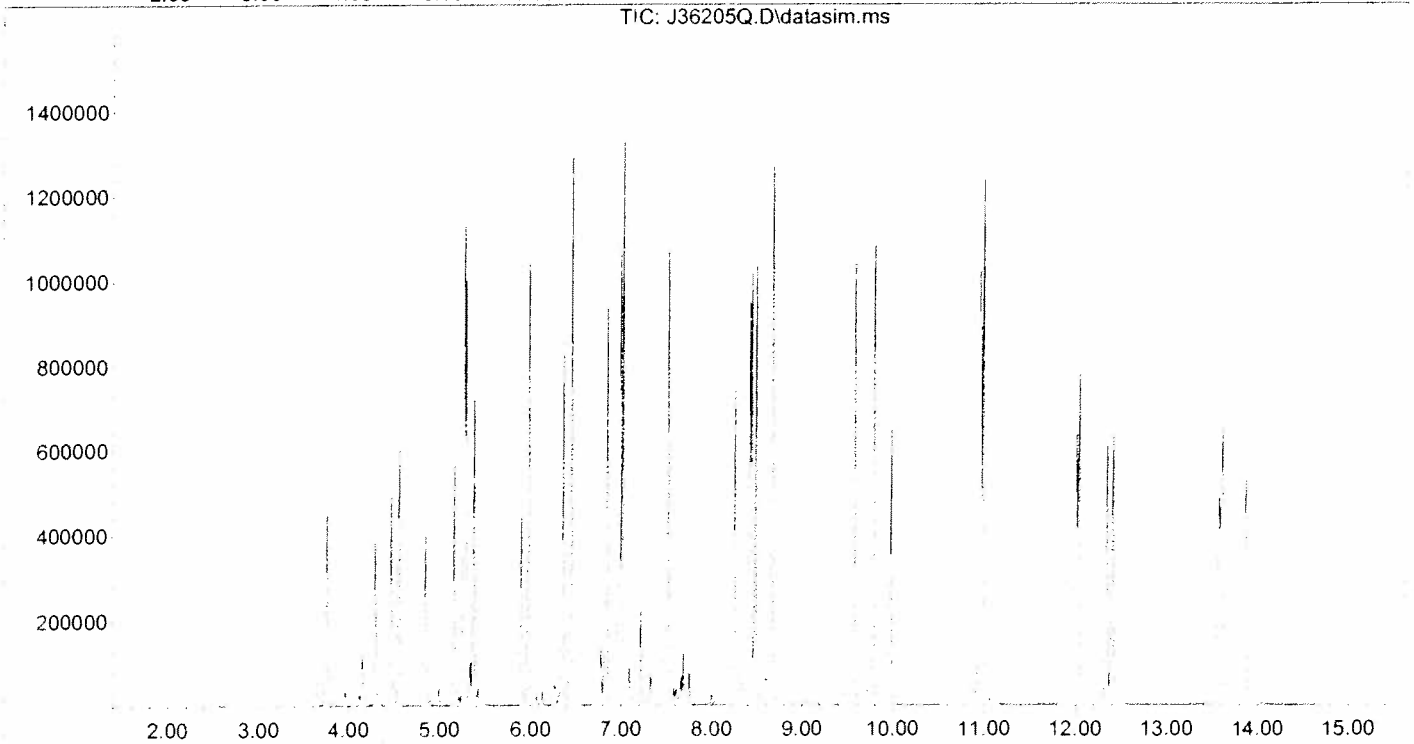
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	10.978	228	1017203	35.76 ug/ml	99
77) 3,3'-Dichlorobenzidine	10.952	252	553319	74.24 ug/ml#	97
78) Bis (2-ethylhexyl) pht...	11.050	149	749996	36.19 ug/ml	99
80) di-n-octyl-phthalate	11.694	149	1292932	33.86 ug/ml	99
81) Benzo[b] fluoranthene	12.000	252	1048490	34.16 ug/ml	99
82) Benzo[k] fluoranthene	12.033	252	1019622	37.77 ug/ml	99
83) Benzo[a] pyrene	12.336	252	896087	30.40 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	13.561	276	841910m	34.42 ug/ml	
85) Dibenz [a,h] anthracene	13.597	278	860061	34.45 ug/ml	98
86) Benzo(g,h,i) perylene	13.860	276	894367	33.48 ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36205Q.D
Acq On : 15 Oct 2010 8:03 am
Operator : AR/MG
Sample : L100710AASE,,RR
Misc : SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 17 22:52:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration



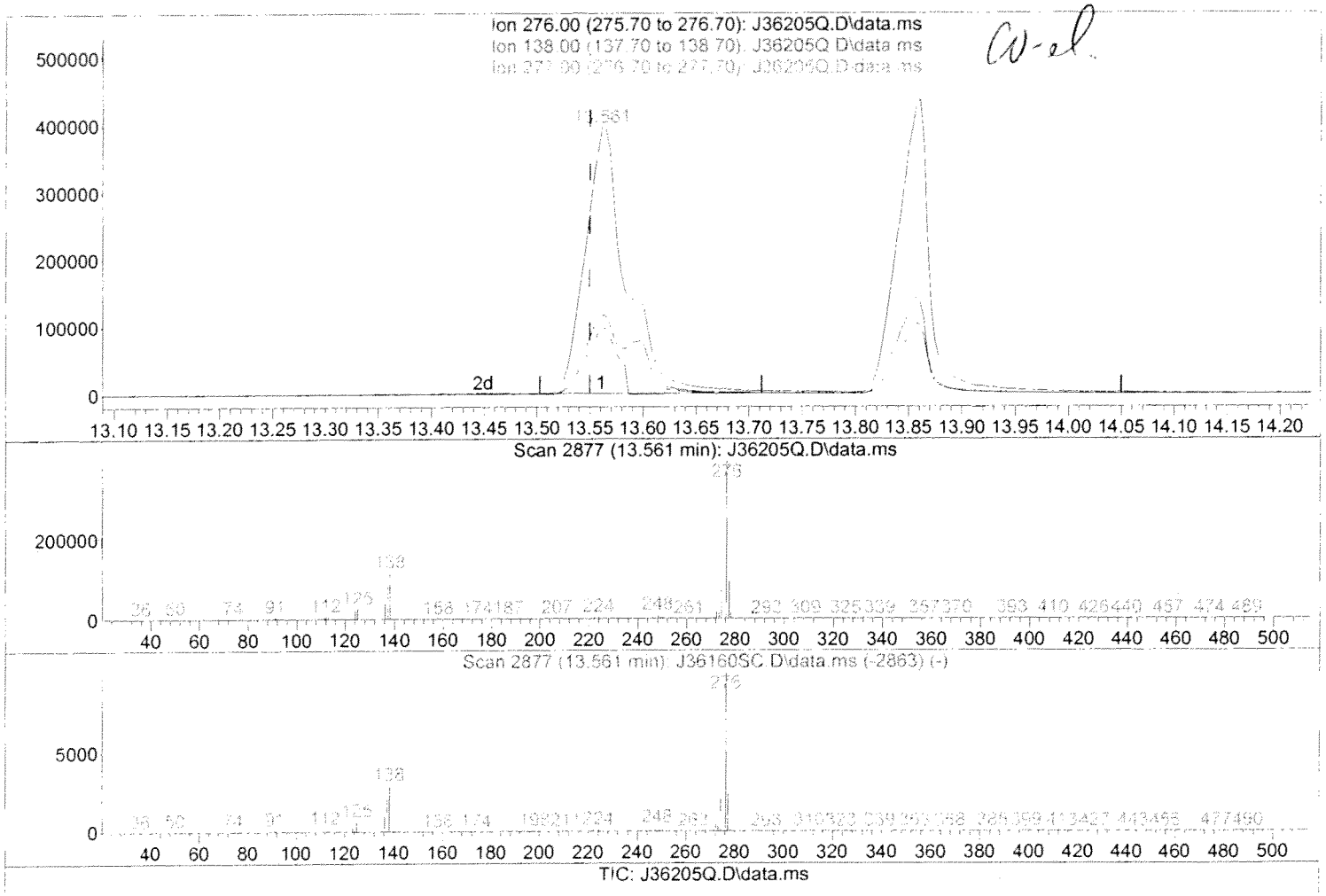


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36205Q.D
Acq On : 15 Oct 2010 8:03 am
Operator : AR/MG
Sample : L100710AASE,,RR
Misc : SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 20:49:00 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

PN 10/17/10



(84) Indeno [1,2,3-cd] pyrene (TM)

13.561min (+0.011) 43.53ug/ml

response 1064817

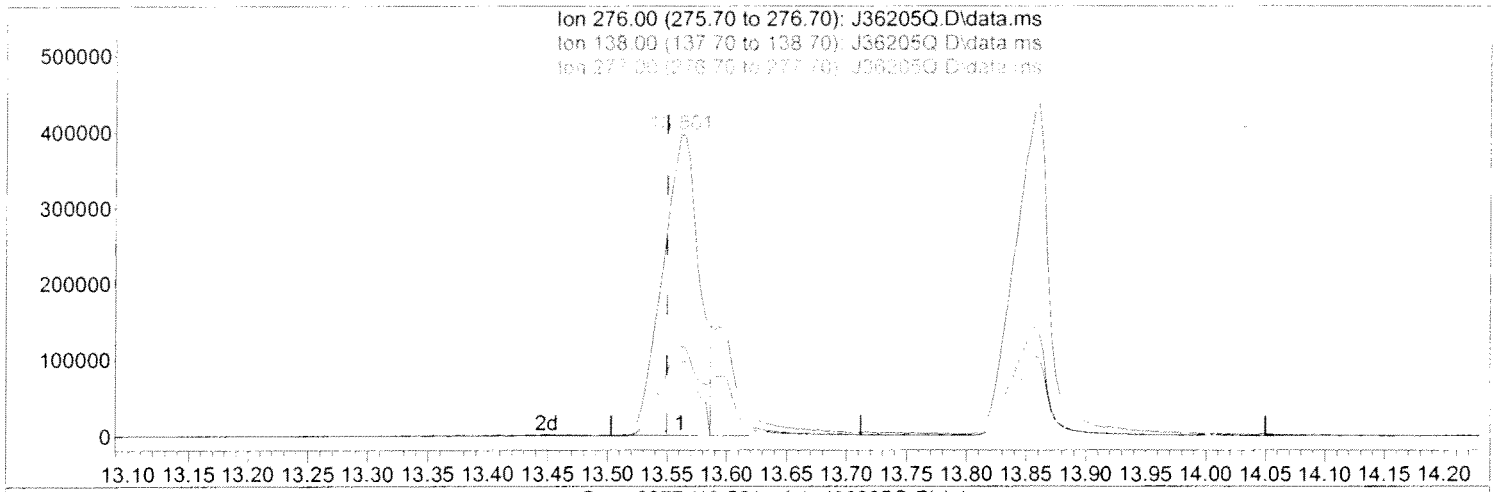
Ion	Exp%	Act%
276.00	100	100
138.00	31.60	23.76#
277.00	27.30	18.92#
0.00	0.00	0.00

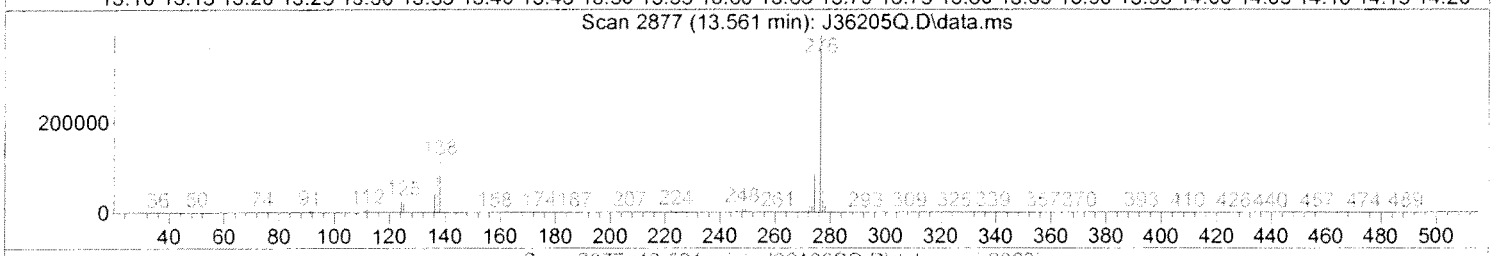
3101810

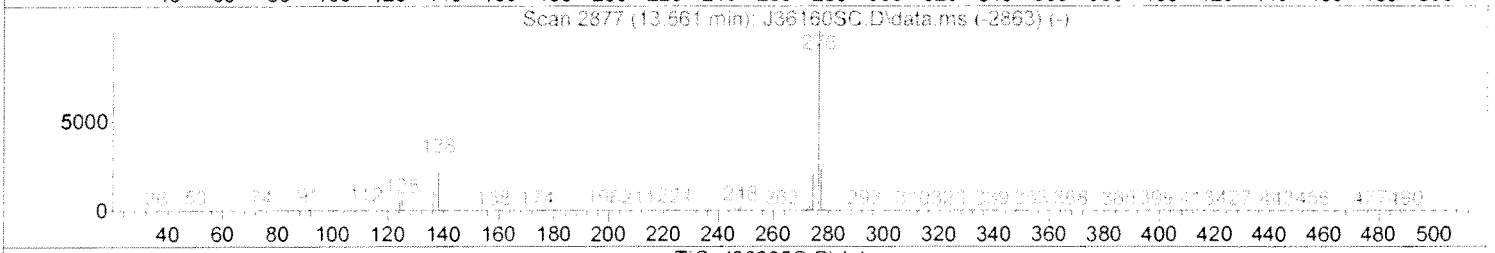
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36205Q.D
Acq On : 15 Oct 2010 8:03 am
Operator : AR/MG
Sample : L100710AASE,,RR
Misc : SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 15 20:49:00 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/17/10







TIC: J36205Q.D\data.ms

(84) Indeno [1,2,3-cd] pyrene (TM)

13.561min (+0.011) 34.42ug/ml m

response 841910

Ion	Exp%	Act%
276.00	100	100
138.00	31.60	30.05
277.00	27.30	23.93
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36206Q.D
Acq On : 15 Oct 2010 8:24 am
Operator : AR/MG
Sample : LD100710AASE,,RR
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 23:01:35 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

OK 10/17/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.965	152	360775	40.00	ug/ml	0.00
19) d8-Naphthalene	5.260	136	1072760	40.00	ug/ml	0.00
35) d10-Acenaphthene	6.981	164	621677	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.408	188	1095693	40.00	ug/ml	0.00
71) d12-Chrysene	10.956	240	925580	40.00	ug/ml	0.00
79) d12-Perylene	12.400	264	918900	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.594	112	489120	46.37	ug/ml	0.00
Spiked Amount 75.000	Range 35 - 105		Recovery = 61.83%			
5) d5-Phenol	3.651	99	612077	49.71	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 100		Recovery = 66.28%			
20) d5-nitrobenzene	4.549	82	303147	32.74	ug/ml	0.00
Spiked Amount 50.000	Range 35 - 100		Recovery = 65.48%			
39) 2-Fluorobiphenyl	6.351	172	737101	37.14	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 105		Recovery = 74.28%			
60) 2,4,6-Tribromophenol	7.753	330	221742	66.29	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 125		Recovery = 88.39%			
73) d14-p-terphenyl	9.970	244	821761	48.79	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 125		Recovery = 97.58%			

Target Compounds						Qvalue
2) Pyridine	1.439	79	271101	23.08	ug/ml	94
3) N-nitrosodimethylamine	1.416	74	140297	21.96	ug/ml	95
6) Aniline	3.633	93	418462	25.16	ug/ml#	52
7) Phenol	3.670	94	686188	54.32	ug/ml	94
8) 2-Chlorophenol	3.754	128	552673	49.90	ug/ml	93
9) bis(2-chloroethyl) ether	3.731	63	257123	24.14	ug/ml	98
10) 1,3-Dichlorobenzene	3.899	146	336717	23.60	ug/ml	100
11) 1,4-Dichlorobenzene	3.979	146	328699	24.08	ug/ml	98
12) 1,2-Dichlorobenzene	4.128	146	311424	22.55	ug/ml	96
13) Benzyl Alcohol	4.147	108	186623	31.03	ug/ml	97
14) 2-Methylphenol	4.287	108	466776	51.85	ug/ml	98
15) bis(2-chloroisopropyl)...	4.287	45	532621	25.97	ug/ml	99
16) 3+4-Methylphenol	4.460	108	482926	54.65	ug/ml	99
17) Hexachloroethane	4.470	117	105202	25.81	ug/ml	100
18) N-nitroso-di-n-propyla...	4.437	70	179931	29.60	ug/ml	98
21) Nitrobenzene	4.568	123	129381	25.04	ug/ml	99
22) Isophorone	4.839	82	490396	28.48	ug/ml	100
23) 2-Nitrophenol	4.895	139	328091	53.57	ug/ml	100
24) 2,4-Dimethylphenol	4.994	107	490710	49.16	ug/ml	100
25) Bis(2-chloroethoxy)met...	5.078	93	304003	26.01	ug/ml	99
26) 2,4-Dichlorophenol	5.153	162	519882	56.42	ug/ml	99

3101813

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36206Q.D
Acq On : 15 Oct 2010 8:24 am
Operator : AR/MG
Sample : LD100710AASE,,RR
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 23:01:35 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.181	105	133598	25.57 ug/ml	86
28) 1,2,4-Trichlorobenzene	5.213	180	283053	25.35 ug/ml	100
29) Naphthalene	5.279	128	727172	25.55 ug/ml	99
30) 2,6-Dichlorophenol	5.372	162	246228	29.85 ug/ml	88
31) 4-Chloroaniline	5.368	127	360372	31.30 ug/ml	96
32) Hexachlorobutadiene	5.424	225	167675	25.81 ug/ml	99
33) 4-Chloro-3-methylphenol	5.890	107	488718	60.51 ug/ml	99
34) 2-Methylnaphthalene	5.971	141	460211	26.98 ug/ml	97
36) Hexachlorocyclopentadiene	6.132	237	179763	28.19 ug/ml	100
37) 2,4,6-Trichlorophenol	6.275	196	407823	62.35 ug/ml	99
38) 2,4,5-Trichlorophenol	6.311	196	475672	63.63 ug/ml	96
40) 2-Chloronaphthalene	6.446	162	499273	28.95 ug/ml	100
41) 2-Nitroaniline	6.575	138	265242	32.59 ug/ml	93
42) 2,6-Dinitrotoluene	6.826	165	163014	31.35 ug/ml	97
43) Dimethyl Phthalate	6.777	163	790567	33.52 ug/ml	99
44) Acenaphthylene	6.841	152	897448	30.60 ug/ml	99
45) 3-Nitroaniline	6.981	138	180455	39.32 ug/ml	96
46) Acenaphthene	7.010	153	535872	29.05 ug/ml	99
47) 2,4-dinitrophenol	7.088	184	175662	55.43 ug/ml	99
48) Dibenzofuran	7.180	168	887784	29.59 ug/ml	97
49) 4-Nitrophenol	7.204	109	187022	76.12 ug/ml	98
50) 2,4-Dinitrotoluene	7.214	165	224249	33.85 ug/ml	98
51) 2,3,4,6-Tetrachlorophenol	7.321	232	236352	39.35 ug/ml	97
52) Fluorene	7.515	166	662023	29.97 ug/ml	100
53) Diethyl Phthalate	7.467	149	689435	30.95 ug/ml	94
54) 4-Chlorophenyl phenyl ...	7.534	204	346488	32.49 ug/ml#	93
55) 4-Nitroaniline	7.583	138	191692	38.81 ug/ml#	19
56) 4,6-Dinitro-2-methylph...	7.612	198	285422	64.50 ug/ml	100
57) n-nitrosodiphenylamine	7.661	169	528331	33.02 ug/ml	99
58) Azobenzene	7.690	77	624908	32.70 ug/ml	95
59) Biphenyl	6.441	154	626181	30.68 ug/ml	99
62) 4-bromophenyl phenyl e...	7.998	248	254829	35.15 ug/ml	97
63) Hexachlorobenzene	8.039	284	269950	34.78 ug/ml	96
64) Pentachlorophenol	8.250	266	348688	75.80 ug/ml	98
65) Phenanthrene	8.430	178	1187533	37.34 ug/ml	100
66) Anthracene	8.480	178	983378	30.09 ug/ml	100
67) Carbazole	8.660	167	1711036	93.78 ug/ml	100
68) Di-n-butyl phthalate	9.043	149	1216350	31.46 ug/ml	100
69) Fluoranthene	9.570	202	1108050	31.33 ug/ml	99
70) Benzidine	9.739	184	407704	69.25 ug/ml#	97
72) Pyrene	9.779	202	1165693	37.82 ug/ml	98
74) Butyl benzyl phthalate	10.472	149	545271	37.10 ug/ml	100
75) Benzo[a]anthracene	10.937	228	901119	34.86 ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36206Q.D
Acq On : 15 Oct 2010 8:24 am
Operator : AR/MG
Sample : LD100710AASE,,RR
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

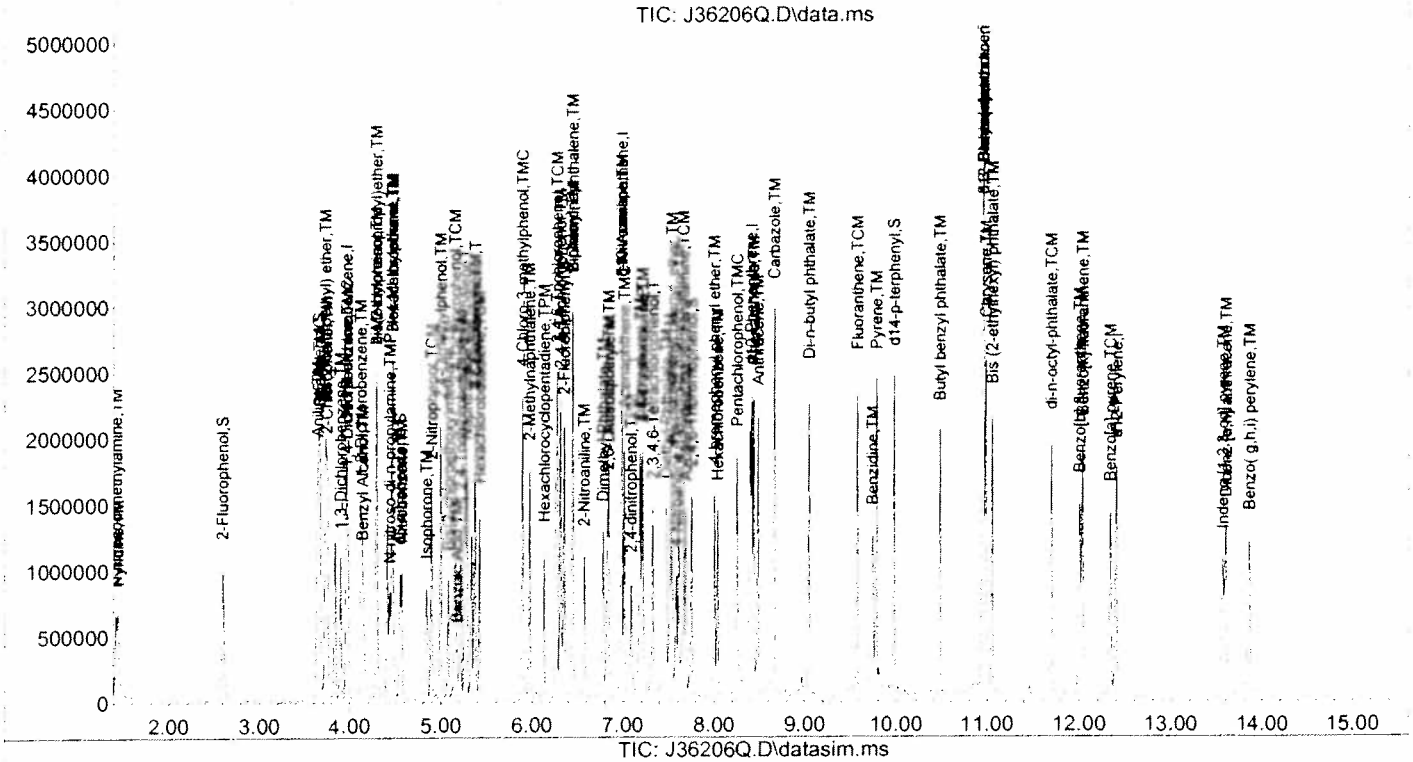
Quant Time: Oct 17 23:01:35 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

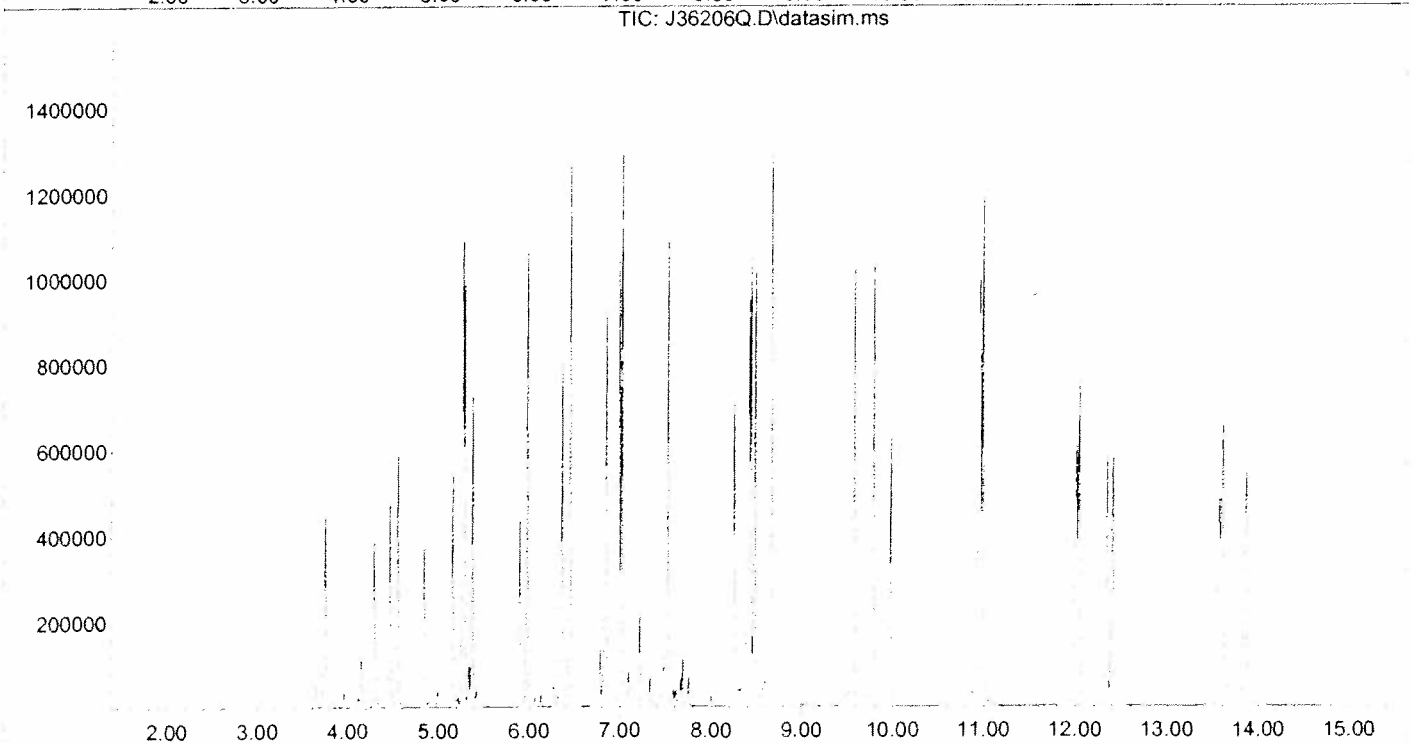
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	10.978	228	939635	36.35 ug/ml	100
77) 3,3'-Dichlorobenzidine	10.948	252	535464	79.05 ug/ml	98
78) Bis (2-ethylhexyl) pht...	11.050	149	692896	36.78 ug/ml	99
80) di-n-octyl-phthalate	11.694	149	1217020	35.20 ug/ml	99
81) Benzo[b] fluoranthene	12.000	252	1002218	36.06 ug/ml	99
82) Benzo[k] fluoranthene	12.033	252	961131	39.72 ug/ml	99
83) Benzo[a] pyrene	12.332	252	843484	31.61 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	13.561	276	814812m	36.79 ug/ml	
85) Dibenz [a,h] anthracene	13.597	278	839299	37.13 ug/ml	99
86) Benzo(g,h,i) perylene	13.857	276	930018	38.45 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36206Q.D
Acq On : 15 Oct 2010 8:24 am
Operator : AR/MG
Sample : LD100710AASE,,RR
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 17 23:01:35 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration



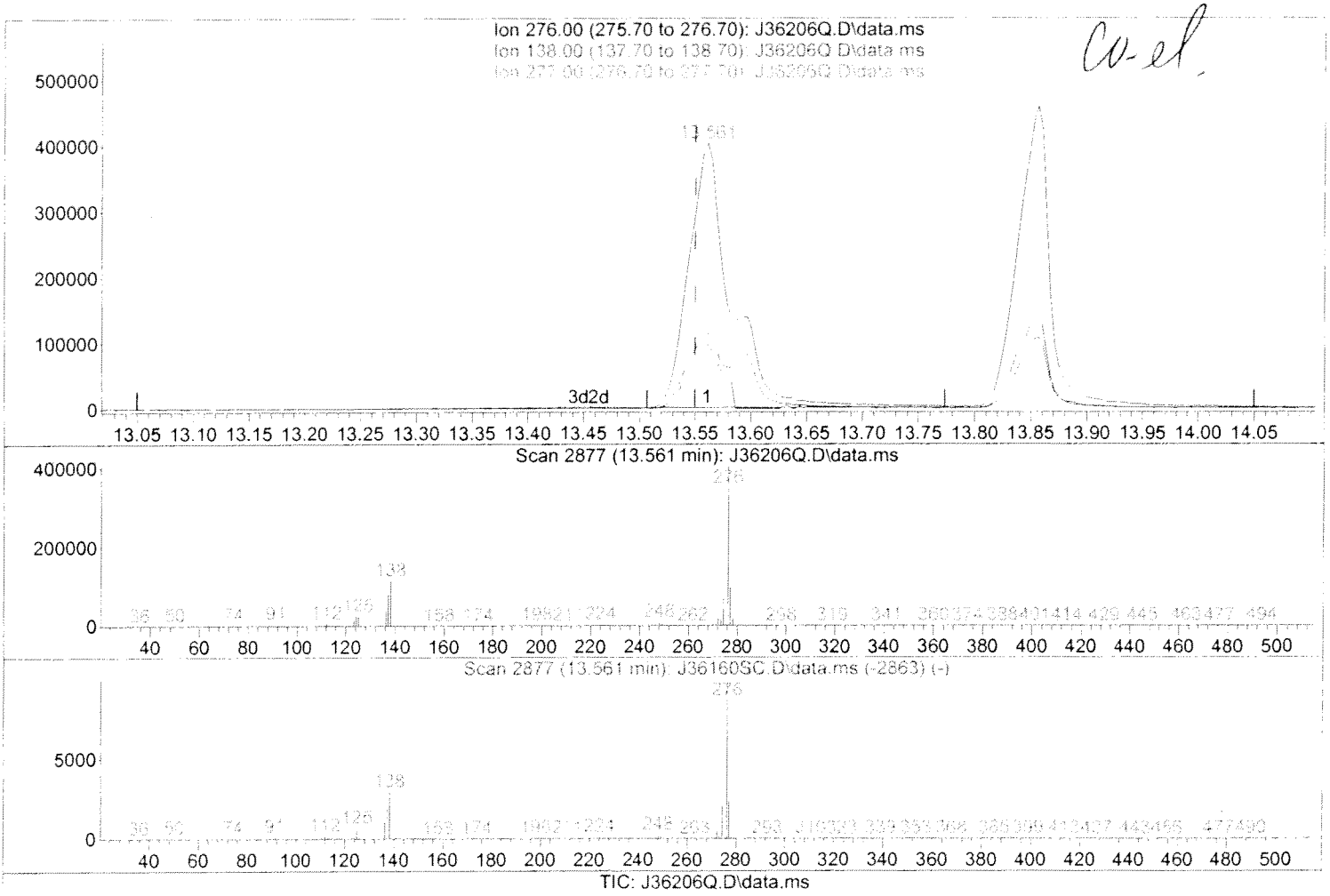


Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36206Q.D
Acq On : 15 Oct 2010 8:24 am
Operator : AR/MG
Sample : LD100710AASE,,RR
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 20:49:04 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

AM 10/17/10

Co-el.



(84) Indeno [1,2,3-cd] pyrene (TM)

13.561min (+0.011) 48.06ug/ml

response 1064438

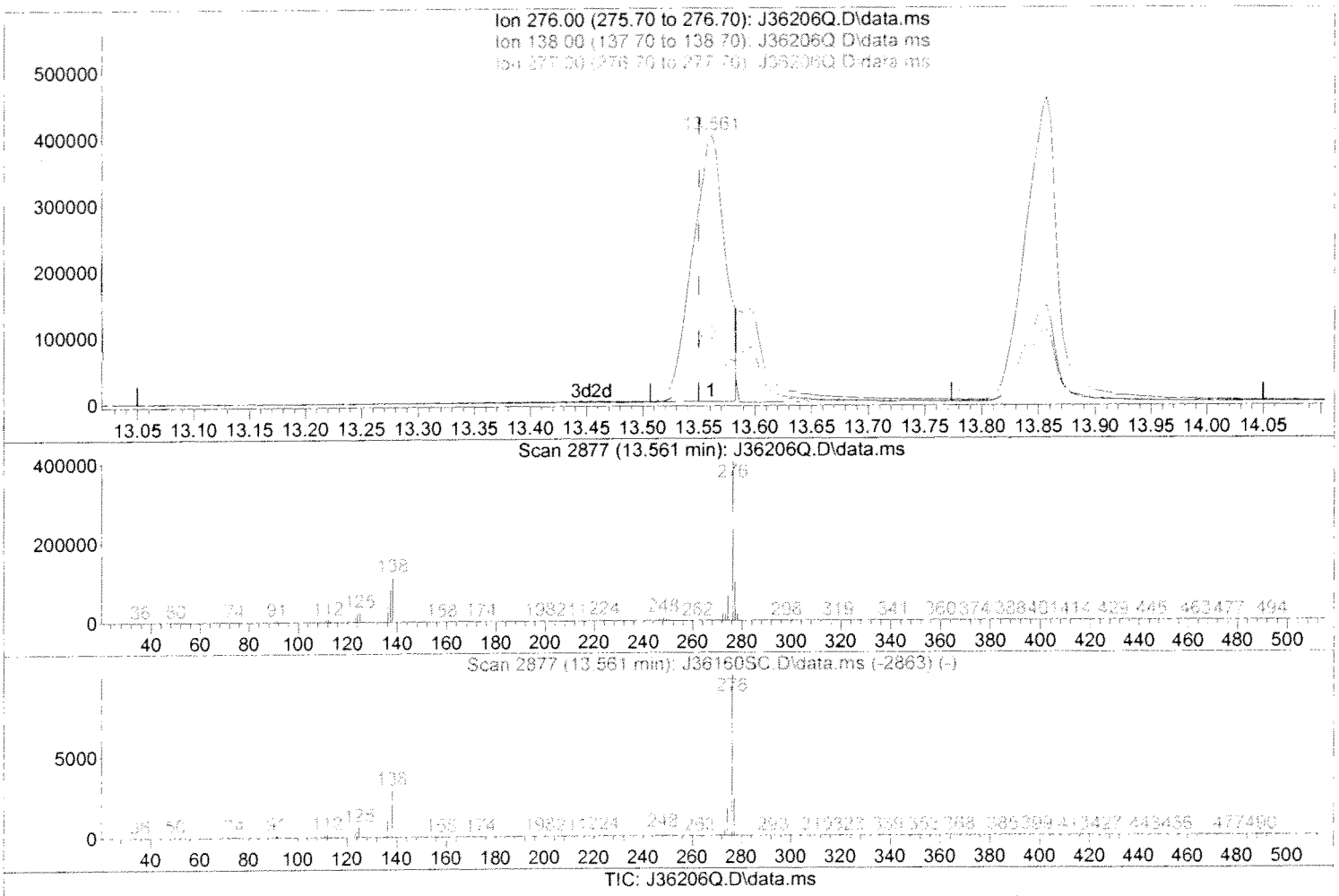
Ion	Exp%	Act%
276.00	100	100
138.00	31.60	23.77#
277.00	27.30	18.87#
0.00	0.00	0.00

3101810

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36206Q.D
Acq On : 15 Oct 2010 8:24 am
Operator : AR/MG
Sample : LD100710AASE,,RR
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 20:49:04 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/19/10



(84) Indeno [1,2,3-cd] pyrene (TM)

13.561min (+0.011) 36.79ug/ml m

response 814812

Ion	Exp%	Act%
276.00	100	100
138.00	31.60	31.05
277.00	27.30	24.65
0.00	0.00	0.00

D101810

SEMIVOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

10/18/10

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B100710AASE,,RR
Spike: L100710AASE,,RR
Spike duplicate: LD100710AASE,,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
n-Decane	2667	2667	40	140	25	0	1480	56		1490	56		1	
Acetophenone	2667	2667	40	140	25	0	1708	64		1681	63		2	
alpha-terpineol	2667	2667	40	140	25	0	2008	75		1869	70		7	
2,3-dichloroaniline	2667	2667	40	140	25	0	2030	76		2003	75		1	
Octadecane	2667	2667	40	140	25	0	2364	89		2183	82		8	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

SVOA FORM 3

SEMIVOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B100710AASE,,RR
Spike: L100710AASE,,RR
Spike duplicate: LD100710AASE,,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
n-Decane	2667	2667	40	140	25	0	1480	56		1490	56		1	
Acetophenone	2667	2667	40	140	25	0	1708	64		1681	63		2	
alpha-terpineol	2667	2667	40	140	25	0	2008	75		1869	70		7	
2,3-dichloroaniline	2667	2667	40	140	25	0	2030	76		2003	75		1	
Octadecane	2667	2667	40	140	25	0	2364	89		2183	82		8	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

SVOA FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36205Q.D
Acq On : 15 Oct 2010 8:03 am
Operator : AR/MG
Sample : L100710AASE,,RR
Misc : SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 18 01:09:46 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

10/18/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.965	152	368589	40.00	ug/ml	0.02
19) d8-Naphthalene	5.260	136	1094424	40.00	ug/ml	0.02
35) d10-Acenaphthene	6.981	164	654944	40.00	ug/ml	0.02
61) d10-Phenanthrene	8.408	188	1047056 ✓	40.00	ug/ml	0.02
71) d12-Chrysene	10.956	240	1014543	40.00	ug/ml	0.02
79) d12-Perylene	12.400	264	1011354	40.00	ug/ml	0.03
System Monitoring Compounds						
4) 2-Fluorophenol	2.599	112	499294	46.29	ug/ml	0.01
Spiked Amount 75.000	Range 29 - 97		Recovery = 61.72%			
5) d5-Phenol	3.651	99	628541	49.95	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 66.60%			
20) d5-nitrobenzene	4.549	82	314226	33.32	ug/ml	0.02
Spiked Amount 50.000	Range 20 - 101		Recovery = 66.64%			
39) 2-Fluorobiphenyl	6.351	172	767118	36.57	ug/ml	0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 73.14%			
60) 2,4,6-Tribromophenol	7.753	330	233246	66.59	ug/ml	0.02
Spiked Amount 75.000	Range 36 - 141		Recovery = 88.79%			
73) d14-p-terphenyl	9.970	244	849192	45.91	ug/ml	0.02
Spiked Amount 50.000	Range 38 - 108		Recovery = 91.82%			
Target Compounds						Qvalue
2) BENZALDEHYDE	3.520	77	1095	0.16	ug/ml#	44
3) n-Decane	3.838	57	367376	22.20	ug/ml	100
6) Acetophenone	4.409	105	379293	25.62	ug/ml	100
21) alpha-terpineol	5.335	93	127890	30.12	ug/ml	98
22) 2,3-dichloroaniline	6.257	161	354902	30.44	ug/ml	99
24) CAPROLACTAM	5.890	55	18067	2.42	ug/ml#	18
53) ATRAZINE	8.250	200	52996	7.76	ug/ml#	100
62) Octadecane	8.390	57	501993	35.46	ug/ml	100

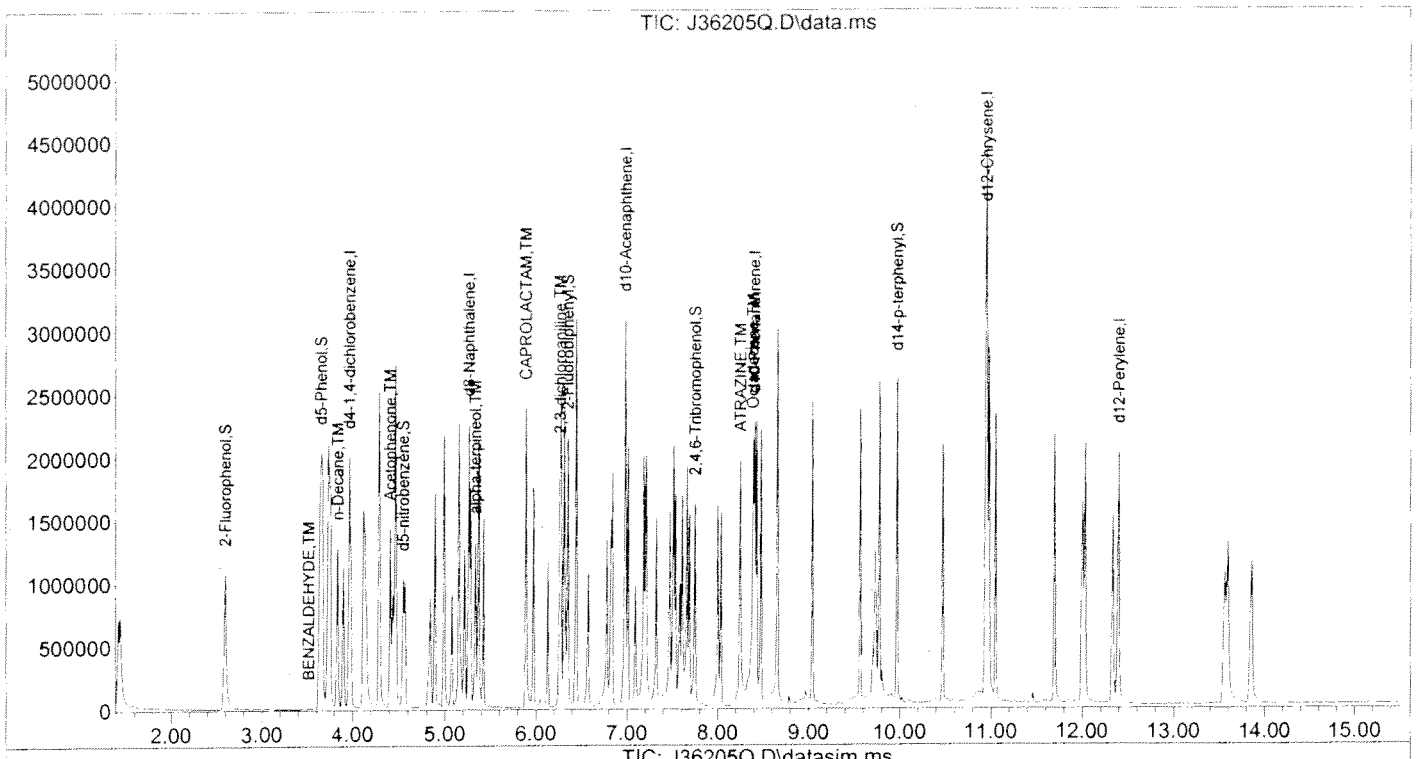
(#) = qualifier out of range (m) = manual integration (+) = signals summed

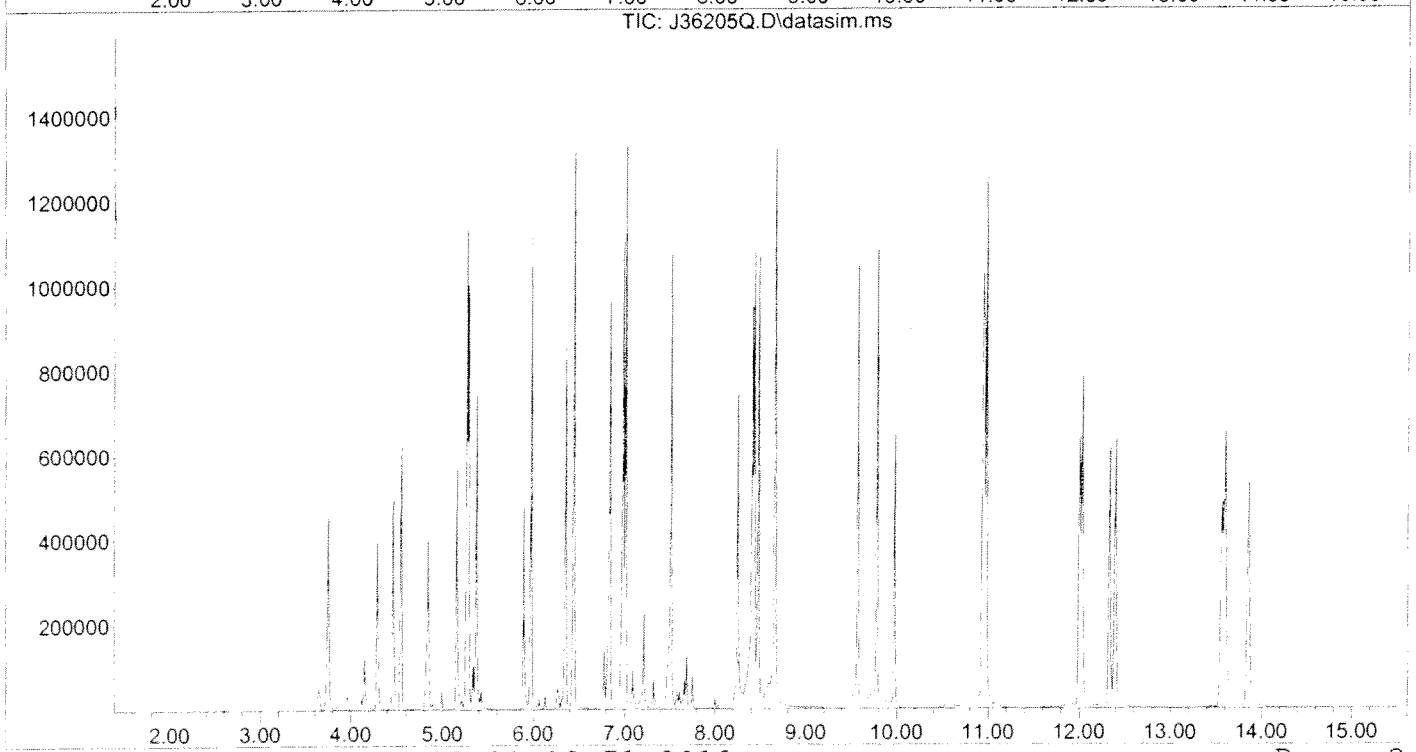
10/18/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36205Q.D
Acq On : 15 Oct 2010 8:03 am
Operator : AR/MG
Sample : L100710AASE,,RR
Misc : SOIL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 18 01:09:46 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36206Q.D
Acq On : 15 Oct 2010 8:24 am
Operator : AR/MG
Sample : LD100710AASE,,RR
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

10/18/10

Quant Time: Oct 18 01:11:00 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.965	152	360775	40.00	ug/ml	0.02
19) d8-Naphthalene	5.260	136	1072760	40.00	ug/ml	0.02
35) d10-Acenaphthene	6.981	164	621677	40.00	ug/ml	0.02
61) d10-Phenanthrene	8.408	188	1095693	40.00	ug/ml	0.02
71) d12-Chrysene	10.956	240	925580	40.00	ug/ml	0.02
79) d12-Perylene	12.400	264	918040	40.00	ug/ml	0.03

System Monitoring Compounds						
4) 2-Fluorophenol	2.594	112	486857	46.11	ug/ml	0.00
Spiked Amount 75.000	Range 29 - 97		Recovery = 61.48%			
5) d5-Phenol	3.651	99	612077	49.70	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 120		Recovery = 66.27%			
20) d5-nitrobenzene	4.549	82	303147	32.79	ug/ml	0.02
Spiked Amount 50.000	Range 20 - 101		Recovery = 65.58%			
39) 2-Fluorobiphenyl	6.351	172	736615	37.05	ug/ml	0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 74.10%			
60) 2,4,6-Tribromophenol	7.753	330	221672	66.67	ug/ml	0.02
Spiked Amount 75.000	Range 36 - 141		Recovery = 88.89%			
73) d14-p-terphenyl	9.970	244	817785	48.46	ug/ml	0.02
Spiked Amount 50.000	Range 38 - 108		Recovery = 96.92%			

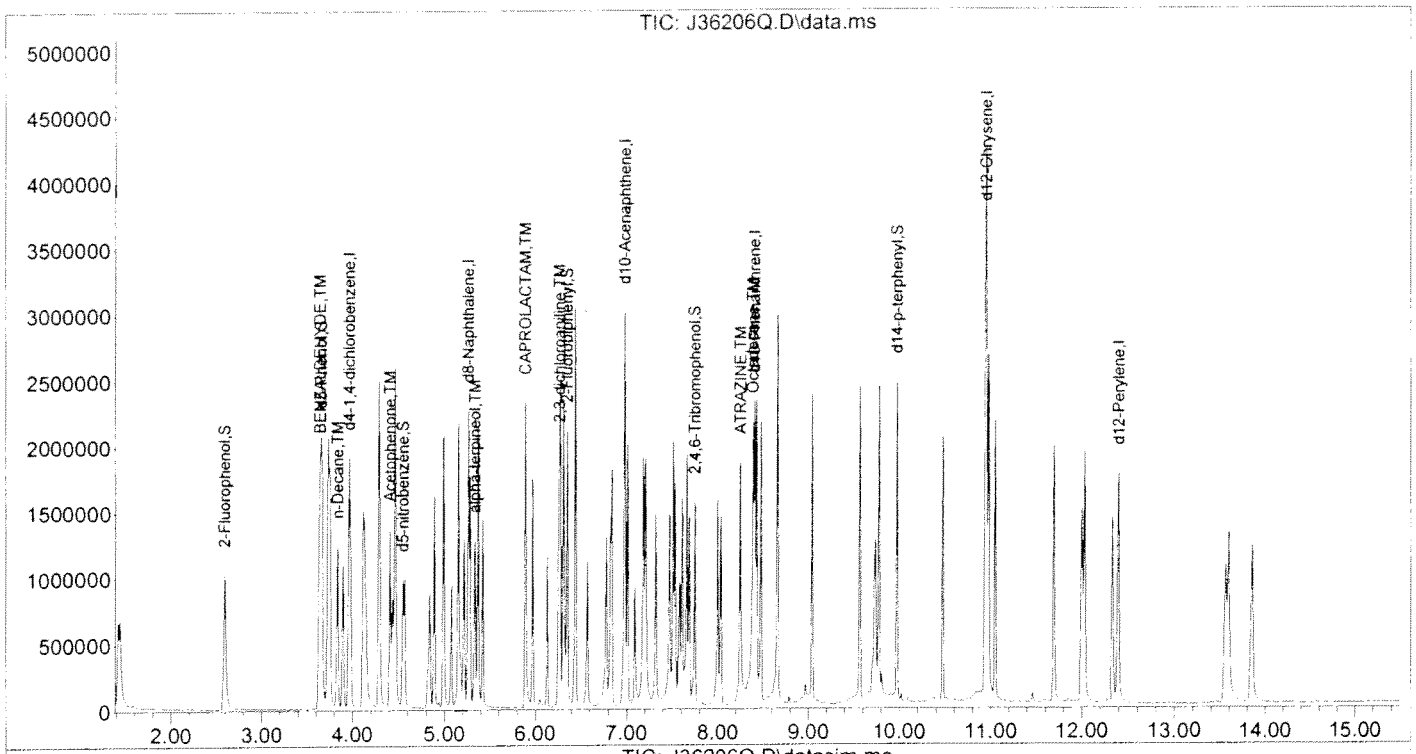
Target Compounds						Qvalue
2) BENZALDEHYDE	3.637	77	6408	0.94	ug/ml#	20
3) n-Decane	3.838	57	361988	22.35	ug/ml	99
6) Acetophenone	4.409	105	365333	25.21	ug/ml	100
21) alpha-terpineol	5.335	93	116710	28.04	ug/ml	97
22) 2,3-dichloroaniline	6.257	161	343386	30.05	ug/ml	98
24) CAPROLACTAM	5.890	55	17753	2.43	ug/ml#	23
53) ATRAZINE	8.250	200	50392	7.77	ug/ml#	100
62) Octadecane	8.390	57	489619	32.75	ug/ml	99

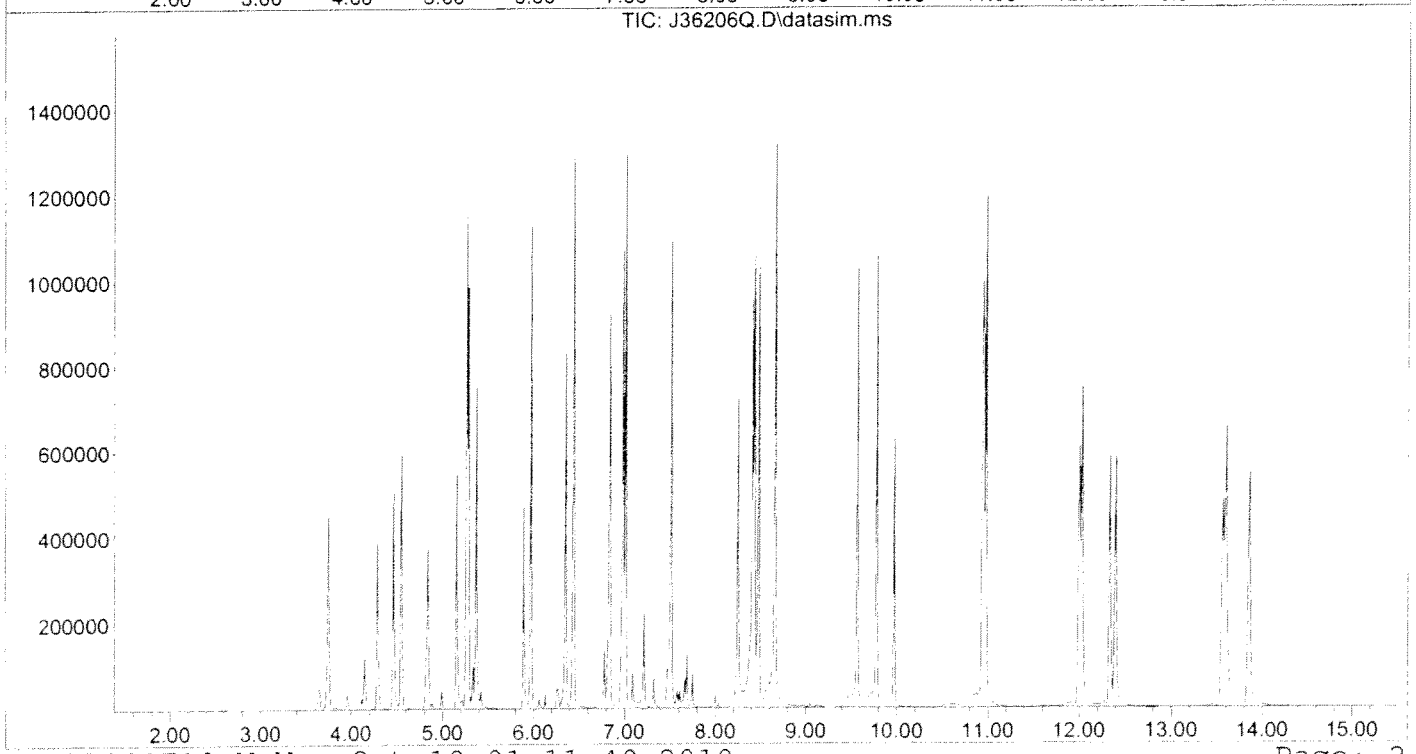
(#) = qualifier out of range (m) = manual integration (+) = signals summed

3101810

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36206Q.D
Acq On : 15 Oct 2010 8:24 am
Operator : AR/MG
Sample : LD100710AASE,,RR
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 18 01:11:00 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration





SEMIVOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

PN 10/18/10

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67967-4
Spike: 67967-4,MS
Spike duplicate: 67967-4,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Pyridine	2878	2844	13	77	25	0	1736	60		1643	58		5	
N-nitrosodimethylamine	2878	2844	20	115	25	0	1839	64		1718	60		7	
Aniline	2878	2844	60	120	25	0	1766	61		1693	60		4	
Phenol	5755	5689	40	100	25	0	4445	77		4208	74		5	
2-Chlorophenol	5755	5689	45	110	25	0	4056	70		3856	68		5	
bis(2-chloroethyl) ether	2878	2844	40	105	25	0	2116	74		2015	71		5	
1,3-Dichlorobenzene	2878	2844	40	100	25	0	1931	67		1859	65		4	
1,4-Dichlorobenzene	2878	2844	35	105	25	0	1951	68		1860	65		5	
1,2-Dichlorobenzene	2878	2844	45	95	25	0	1857	65		1788	63		4	
Benzyl Alcohol	2878	2844	20	125	25	0	2530	88		2501	88		1	
2-Methylphenol	5755	5689	40	105	25	0	4336	75		4208	74		3	
bis(2-chloroisopropyl)ether	2878	2844	20	115	25	0	2293	80		2218	78		3	
3+4-Methylphenol	5755	5689	40	105	25	0	4461	78		4362	77		2	
Hexachloroethane	2878	2844	35	110	25	0	2050	71		1983	70		3	
N-nitroso-di-n-propylamine	2878	2844	40	115	25	0	2435	85		2407	85		1	
Nitrobenzene	2878	2844	40	115	25	0	2100	73		2031	71		3	
Isophorone	2878	2844	45	110	25	0	2294	80		2249	79		2	
2-Nitrophenol	5755	5689	40	110	25	0	4488	78		4403	77		2	
2,4-Dimethylphenol	5755	5689	30	105	25	0	4379	76		4338	76		1	
Bis(2-chloroethoxy)methane	2878	2844	45	110	25	0	2100	73		2081	73		1	
2,4-Dichlorophenol	5755	5689	45	110	25	0	4565	79		4471	79		2	
Benzoic Acid	5755	5689	30	150	25	0	330	6	*	334	6	*	1	
1,2,4-Trichlorobenzene	2878	2844	45	110	25	0	2059	72		2044	72		1	
Naphthalene	2878	2844	40	105	25	0	2046	71		2024	71		1	
4-Chloroaniline	2878	2844	60	120	25	0	2387	83		2358	83		1	
Hexachlorobutadiene	2878	2844	40	115	25	0	2116	74		2032	71		4	
4-Chloro-3-methylphenol	5755	5689	45	115	25	0	4716	82		4611	81		2	
2-Methylnaphthalene	2878	2844	45	105	25	0	2171	75		2112	74		3	
Hexachlorocyclopentadiene	2878	2844	36	97	25	0	1683	58		1664	58		1	
2,4,6-Trichlorophenol	5755	5689	45	110	25	0	4968	86		4894	86		1	
2,4,5-Trichlorophenol	5755	5689	50	110	25	0	4826	84		4967	87		3	
2-Chloronaphthalene	2878	2844	45	105	25	0	2322	81		2323	82		0	
2-Nitroaniline	2878	2844	45	120	25	0	2282	79		2356	83		3	
2,6-Dinitrotoluene	2878	2844	50	110	25	0	2365	82		2372	83		0	
Dimethyl Phthalate	2878	2844	50	110	25	0	2324	81		2309	81		1	
Acenaphthylene	2878	2844	45	105	25	0	2311	80		2291	81		1	
3-Nitroaniline	2878	2844	25	110	25	0	2719	94		2696	95		1	
Acenaphthene	2878	2844	45	110	25	0	2220	77		2197	77		1	
2,4-dinitrophenol	5755	5689	15	130	25	0	760	13	*	739	13	*	3	
Dibenzofuran	2878	2844	50	105	25	0	2312	80		2240	79		3	
4-Nitrophenol	5755	5689	15	140	25	0	4316	75		4857	85		12	
2,4-Dinitrotoluene	2878	2844	50	115	25	0	2260	79		2352	83		4	
Fluorene	2878	2844	50	110	25	0	2353	82		2264	80		4	
Diethyl Phthalate	2878	2844	50	115	25	0	1952	68		2113	74		8	
4-Chlorophenyl phenyl ether	2878	2844	45	110	25	0	2509	87		2467	87		2	
4-Nitroaniline	2878	2844	35	115	25	0	2466	86		2768	97		12	
4,6-Dinitro-2-methylphenol	5755	5689	30	135	25	0	2033	35		2211	39		8	
n-nitrosodiphenylamine	2878	2844	50	115	25	0	2361	82		2473	87		5	
Azobenzene	2878	2844	63	115	25	0	2334	81		2468	87		6	
Biphenyl	2878	2844	60	140	25	0	2487	86		2438	86		2	
4-bromophenyl phenyl ether	2878	2844	45	115	25	0	2782	97		2503	88		11	

SVOA FORM 3

10/18/10

SEMIVOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67967-4
Spike: 67967-4,MS
Spike duplicate: 67967-4,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Hexachlorobenzene	2878	2844	45	120	25	0	2738	95		2430	85		12	
Pentachlorophenol	5755	5689	20	120	25	0	4498	78		4466	79		1	
Phenanthrene	2878	2844	50	110	25	149	3192	106		2621	87		20	
Anthracene	2878	2844	55	105	25	0	2232	78		2017	71		10	
Carbazole	5755	5689	45	115	25	0	7114	124	*	6361	112		11	
Di-n-butyl phthalate	2878	2844	55	110	25	0	2236	78		2024	71		10	
Fluoranthene	2878	2844	55	115	25	0	2393	83		2041	72		16	
Benzidine	5755	5689	29	187	25	0	5088	88		4403	77		14	
Pyrene	2878	2844	45	125	25	0	2581	90		2565	90		1	
Butyl benzyl phthalate	2878	2844	50	125	25	0	2491	87		2511	88		1	
Benzo[a]anthracene	2878	2844	50	110	25	0	2628	91		2510	88		5	
Chrysene	2878	2844	55	110	25	0	2634	92		2627	92		0	
3,3'-Dichlorobenzidine	5755	5689	64	113	25	0	6860	119	*	6470	114	*	6	
Bis (2-ethylhexyl) phthalate	2878	2844	45	125	25	0	2661	92		2672	94		0	
di-n-octyl-phthalate	2878	2844	40	130	25	0	2440	85		2366	83		3	
Benzo[b] fluoranthene	2878	2844	45	115	25	0	2606	91		2529	89		3	
Benzo[k] fluoranthene	2878	2844	45	125	25	0	2791	97		2597	91		7	
Benzo[a] pyrene	2878	2844	50	110	25	0	2200	76		2128	75		3	
Indeno [1,2,3-cd] pyrene	2878	2844	40	120	25	0	2700	94		2576	91		5	
Dibenz [a,h] anthracene	2878	2844	40	125	25	0	2647	92		2528	89		5	
Benzo(g,h,i) perylene	2878	2844	40	125	25	0	2592	90		2439	86		6	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: Failures due to Matrix

SVOA FORM 3

SEMIVOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67967-4	SOIL	1.0	15.29	0.01529	0.9079	1	72.0368
67967-4,MS	SOIL	1.0	15.31	0.01531	0.9079	1	71.9427
67967-4,MSD	SOIL	1.0	15.49	0.01549	0.9079	1	71.1067

SVOA FORM 3

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36217SP.D
Acq On : 15 Oct 2010 12:16 pm
Operator : AR/MG
Sample : 67967-4,MS
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 17 23:44:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/18/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.964	152	372623	40.00	ug/ml	0.00
19) d8-Naphthalene	5.265	136	1086819	40.00	ug/ml	0.00
35) d10-Acenaphthene	6.981	164	634919	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.408	188	989879	40.00	ug/ml	0.00
71) d12-Chrysene	10.955	240	942807	40.00	ug/ml	0.00
79) d12-Perylene	12.404	264	953992	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.603	112	567048	52.04	ug/ml	0.00
Spiked Amount 75.000	Range 35 - 105		Recovery = 69.39%			
5) d5-Phenol	3.665	99	729616	57.37	ug/ml	0.01
Spiked Amount 75.000	Range 40 - 100		Recovery = 76.49%			
20) d5-nitrobenzene	4.554	82	353499	37.69	ug/ml	0.00
Spiked Amount 50.000	Range 35 - 100		Recovery = 75.38%			
39) 2-Fluorobiphenyl	6.356	172	825910	41.18	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 105		Recovery = 82.36%			
60) 2,4,6-Tribromophenol	7.753	330	233282	68.29	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 125		Recovery = 91.05%			
73) d14-p-terphenyl	9.973	244	765618	44.62	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 125		Recovery = 89.24%			

Target Compounds						Qvalue
2) Pyridine	1.439	79	292630	24.12	ug/ml	95
3) N-nitrosodimethylamine	1.420	74	168645	25.56	ug/ml	94
6) Aniline	3.637	93	421598	24.54	ug/ml	97
7) Phenol	3.684	94	806104	61.79	ug/ml	99
8) 2-Chlorophenol	3.763	128	645008	56.38	ug/ml	95
9) bis(2-chloroethyl) ether	3.735	63	323576	29.41	ug/ml	99
10) 1,3-Dichlorobenzene	3.899	146	395522	26.84	ug/ml	99
11) 1,4-Dichlorobenzene	3.983	146	382372	27.12	ug/ml	100
12) 1,2-Dichlorobenzene	4.133	146	368176	25.81	ug/ml	98
13) Benzyl Alcohol	4.152	108	218409	35.16	ug/ml	95
14) 2-Methylphenol	4.297	108	560425	60.27	ug/ml	98
15) bis(2-chloroisopropyl)...	4.287	45	657743	31.88	ug/ml	100
16) 3+4-Methylphenol	4.470	108	565933	62.01	ug/ml	99
17) Hexachloroethane	4.470	117	118898	28.50	ug/ml	99
18) N-nitroso-di-n-propyla...	4.437	70	212494	33.85	ug/ml	97
21) Nitrobenzene	4.572	123	152788	29.18	ug/ml	97
22) Isophorone	4.844	82	556191	31.89	ug/ml	100
23) 2-Nitrophenol	4.895	139	387100	62.38	ug/ml	99
24) 2,4-Dimethylphenol	4.998	107	615533	60.86	ug/ml	99
25) Bis(2-chloroethoxy)met...	5.078	93	345690	29.19	ug/ml	98
26) 2,4-Dichlorophenol	5.157	162	592415	63.45	ug/ml	99

10/18/10

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36217SP.D
Acq On : 15 Oct 2010 12:16 pm
Operator : AR/MG
Sample : 67967-4,MS
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 17 23:44:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.129	105	4383m	4.59 ug/ml	
28) 1,2,4-Trichlorobenzene	5.218	180	323786	28.63 ug/ml	100
29) Naphthalene	5.283	128	819887	28.44 ug/ml	100
30) 2,6-Dichlorophenol	5.377	162	274258	32.82 ug/ml	85
31) 4-Chloroaniline	5.372	127	384038	33.18 ug/ml	98
32) Hexachlorobutadiene	5.424	225	193603	29.41 ug/ml	99
33) 4-Chloro-3-methylphenol	5.899	107	536440	65.56 ug/ml	100
34) 2-Methylnaphthalene	5.975	141	521540	30.18 ug/ml	99
36) Hexachlorocyclopentadiene	6.132	237	152176	23.40 ug/ml	98
37) 2,4,6-Trichlorophenol	6.280	196	461298	69.06 ug/ml	100
38) 2,4,5-Trichlorophenol	6.320	196	512191	67.08 ug/ml	98
40) 2-Chloronaphthalene	6.445	162	562143	32.28 ug/ml	100
41) 2-Nitroaniline	6.575	138	263646	31.72 ug/ml	95
42) 2,6-Dinitrotoluene	6.826	165	174561	32.87 ug/ml	96
43) Dimethyl Phthalate	6.777	163	778132	32.31 ug/ml	99
44) Acenaphthylene	6.840	152	962290	32.13 ug/ml	98
45) 3-Nitroaniline	6.981	138	177121	37.79 ug/ml	97
46) Acenaphthene	7.015	153	581365	30.86 ug/ml	99
47) 2,4-dinitrophenol	7.093	184	18110	10.57 ug/ml#	84
48) Dibenzofuran	7.185	168	984816	32.14 ug/ml	100
49) 4-Nitrophenol	7.219	109	150530	59.99 ug/ml#	76
50) 2,4-Dinitrotoluene	7.214	165	212559	31.42 ug/ml	88
51) 2,3,4,6-Tetrachlorophenol	7.326	232	236345	38.52 ug/ml	97
52) Fluorene	7.515	166	737822	32.70 ug/ml	100
53) Diethyl Phthalate	7.466	149	617364	27.14 ug/ml	98
54) 4-Chlorophenyl phenyl ...	7.534	204	376407	34.88 ug/ml#	89
55) 4-Nitroaniline	7.583	138	173168	34.28 ug/ml#	21
56) 4,6-Dinitro-2-methylph...	7.607	198	125692	28.26 ug/ml	95
57) n-nitrosodiphenylamine	7.660	169	536257	32.81 ug/ml	95
58) Azobenzene	7.685	77	633149	32.44 ug/ml	92
59) Biphenyl	6.441	154	708970	34.57 ug/ml	99
62) 4-bromophenyl phenyl e...	8.003	248	253294	38.67 ug/ml	99
63) Hexachlorobenzene	8.039	284	266848	38.05 ug/ml	93
64) Pentachlorophenol	8.250	266	259823	62.52 ug/ml	98
65) Phenanthrene	8.430	178	1275014	44.37 ug/ml	100
66) Anthracene	8.480	178	916213	31.03 ug/ml	99
67) Carbazole	8.664	167	1634819	98.88 ug/ml	99
68) Di-n-butyl phthalate	9.043	149	1085723	31.08 ug/ml	100
69) Fluoranthene	9.570	202	1062617	33.26 ug/ml	100
70) Benzidine	9.739	184	376146	70.72 ug/ml	98
72) Pyrene	9.782	202	1126344	35.88 ug/ml	99
74) Butyl benzyl phthalate	10.475	149	518394	34.62 ug/ml	100
75) Benzo[a]anthracene	10.940	228	961972	36.53 ug/ml	98

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36217SP.D
Acq On : 15 Oct 2010 12:16 pm
Operator : AR/MG
Sample : 67967-4,MS
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

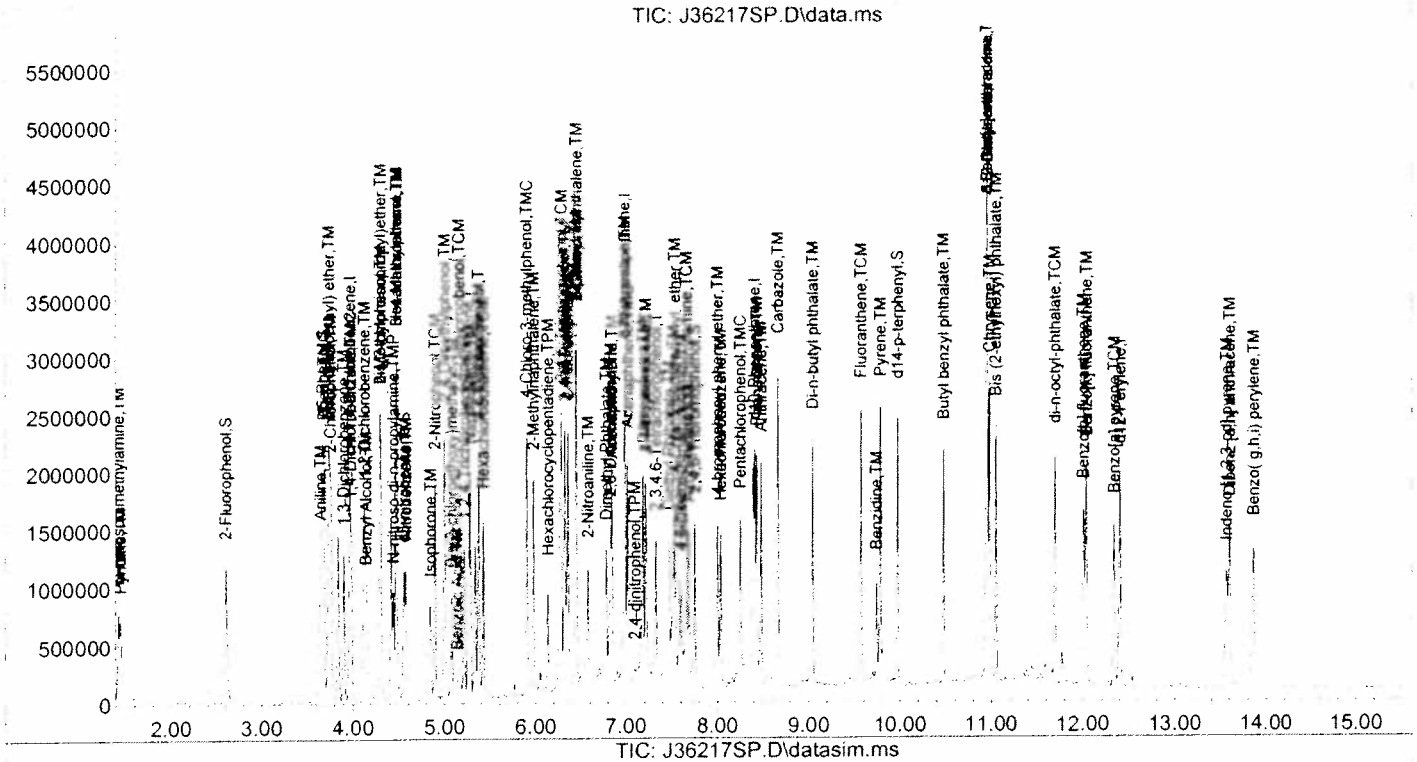
Quant Time: Oct 17 23:44:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

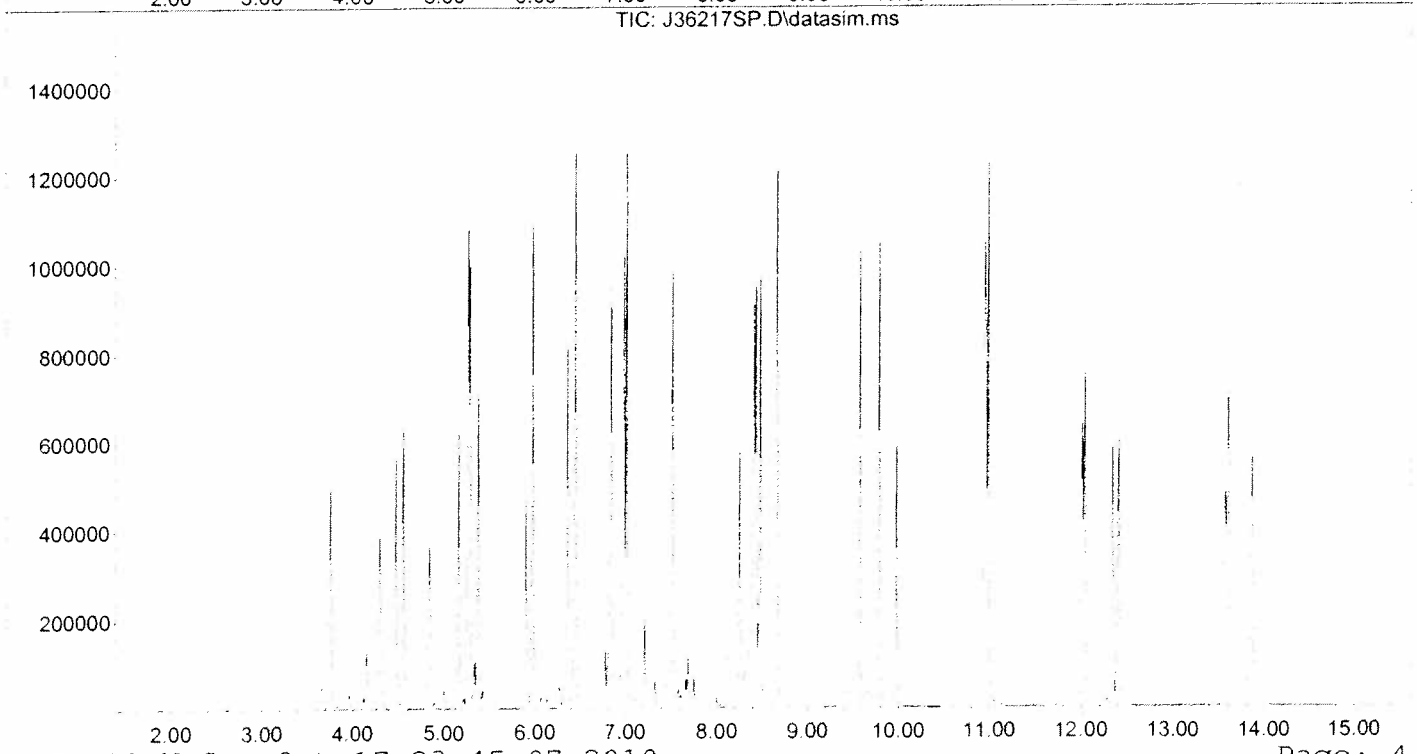
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	10.982	228	964115	36.61 ug/ml	99
77) 3,3'-Dichlorobenzidine	10.955	252	657916	95.35 ug/ml#	97
78) Bis (2-ethylhexyl) pht...	11.050	149	709846	36.99 ug/ml	100
80) di-n-octyl-phthalate	11.697	149	1217342	33.92 ug/ml	99
81) Benzo[b] fluoranthene	✓12.004	252	1045174	36.22 ug/ml	99
82) Benzo[k] fluoranthene	12.036	252	979320	38.80 ug/ml	99
83) Benzo[a] pyrene	12.339	252	847200	30.58 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	13.564	276	863095m	37.53 ug/ml	
85) Dibenz [a,h] anthracene	13.600	278	863455	36.80 ug/ml	99
86) Benzo(g,h,i) perylene	13.864	276	904659	36.02 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36217SP.D
Acq On : 15 Oct 2010 12:16 pm
Operator : AR/MG
Sample : 67967-4,MS
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 17 23:44:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration



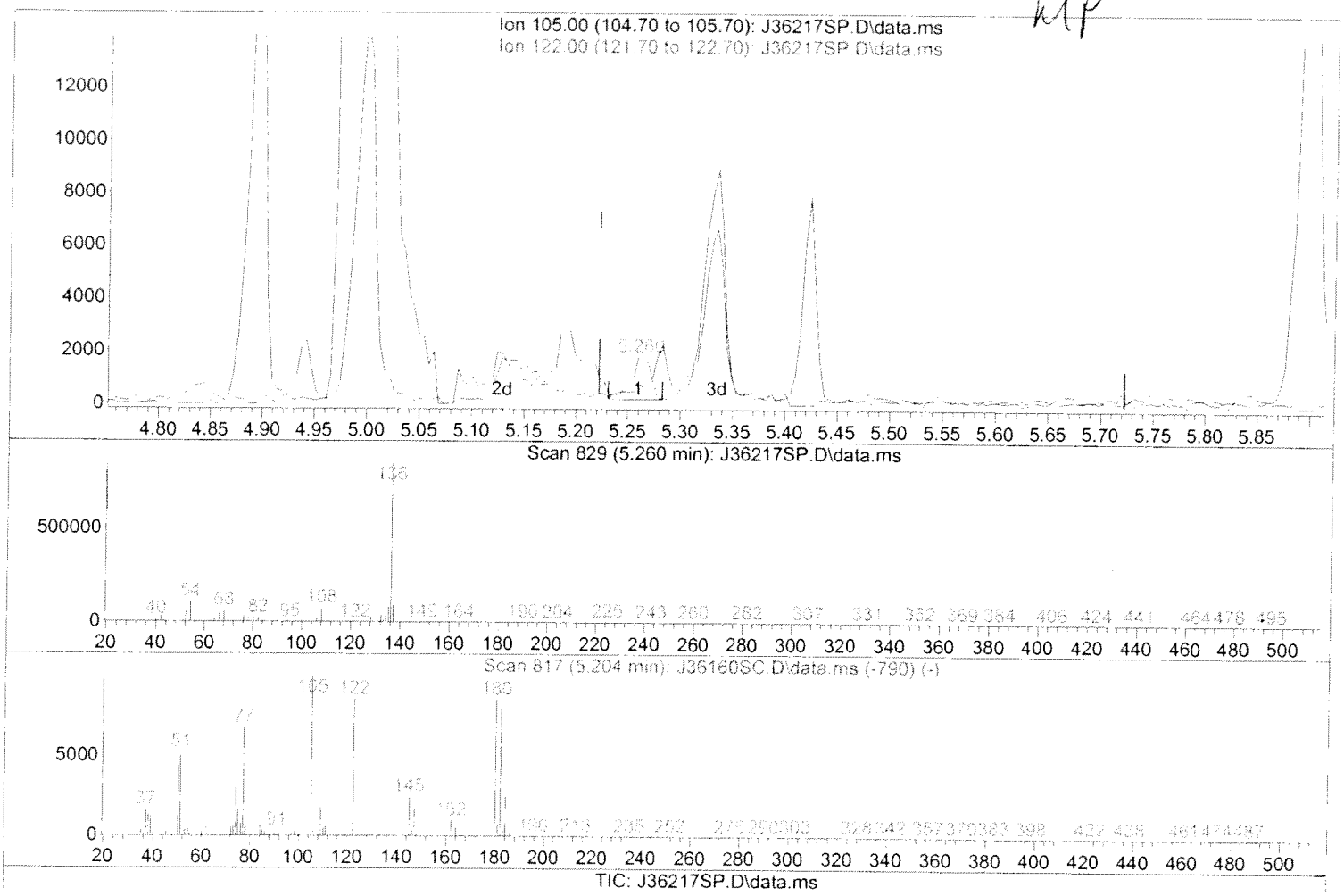


Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36217SP.D
Acq On : 15 Oct 2010 12:16 pm
Operator : AR/MG
Sample : 67967-4,MS
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 15 20:49:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

AR 10/18/10

MP



(27) Benzoic Acid (TM)

5.260min (+0.037) 4.21ug/ml

response 2050

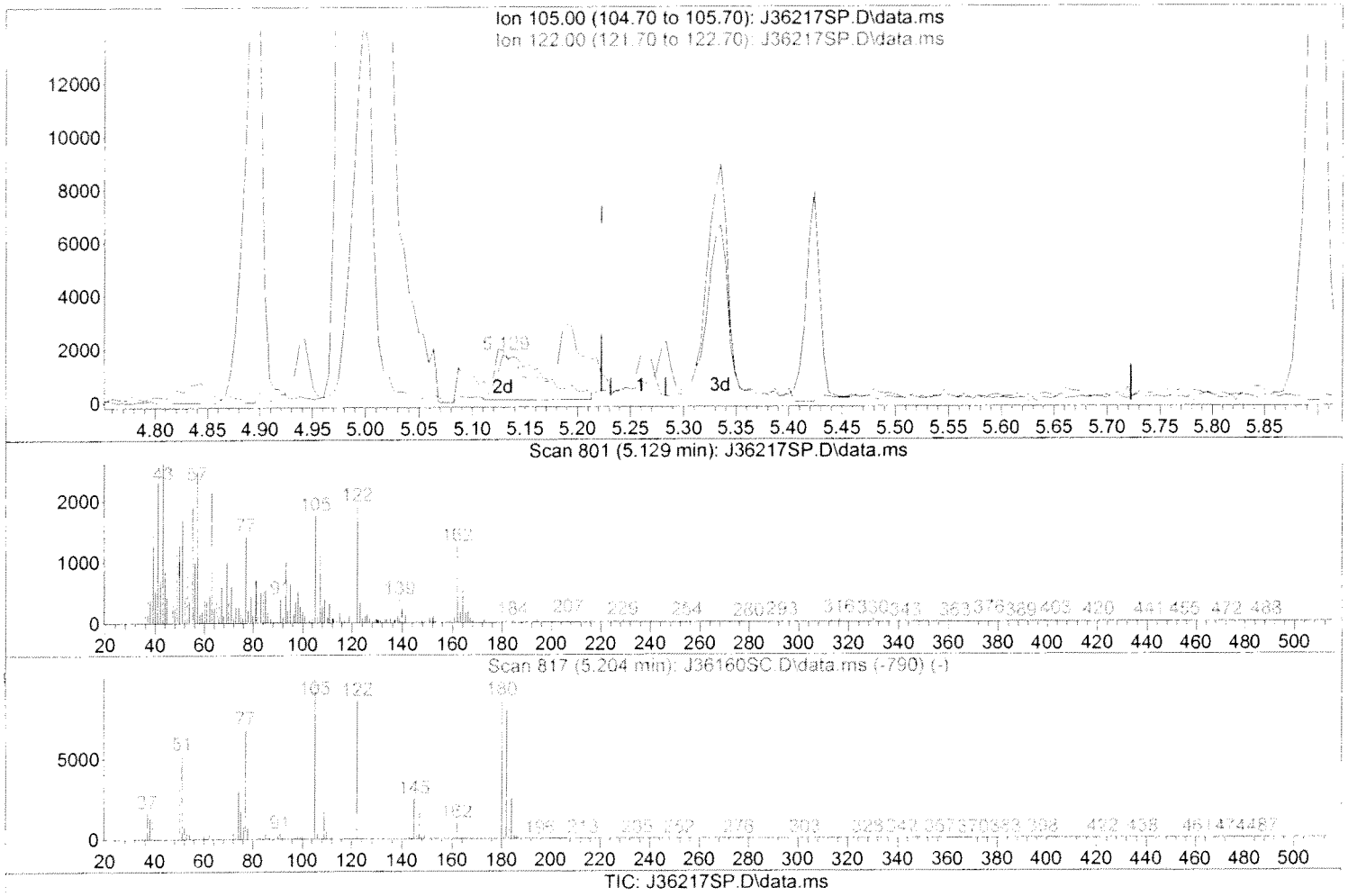
Ion	Exp%	Act%
105.00	100	100
122.00	79.20	137.95#
0.00	0.00	0.00
0.00	0.00	0.00

10/18/10

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36217SP.D
Acq On : 15 Oct 2010 12:16 pm
Operator : AR/MG
Sample : 67967-4,MS
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 15 20:49:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/18/10



(27) Benzoic Acid (TM)

5.129min (-0.094) 4.59ug/ml m

response 4383

Ion	Exp%	Act%
105.00	100	100
122.00	79.20	64.52
0.00	0.00	0.00
0.00	0.00	0.00

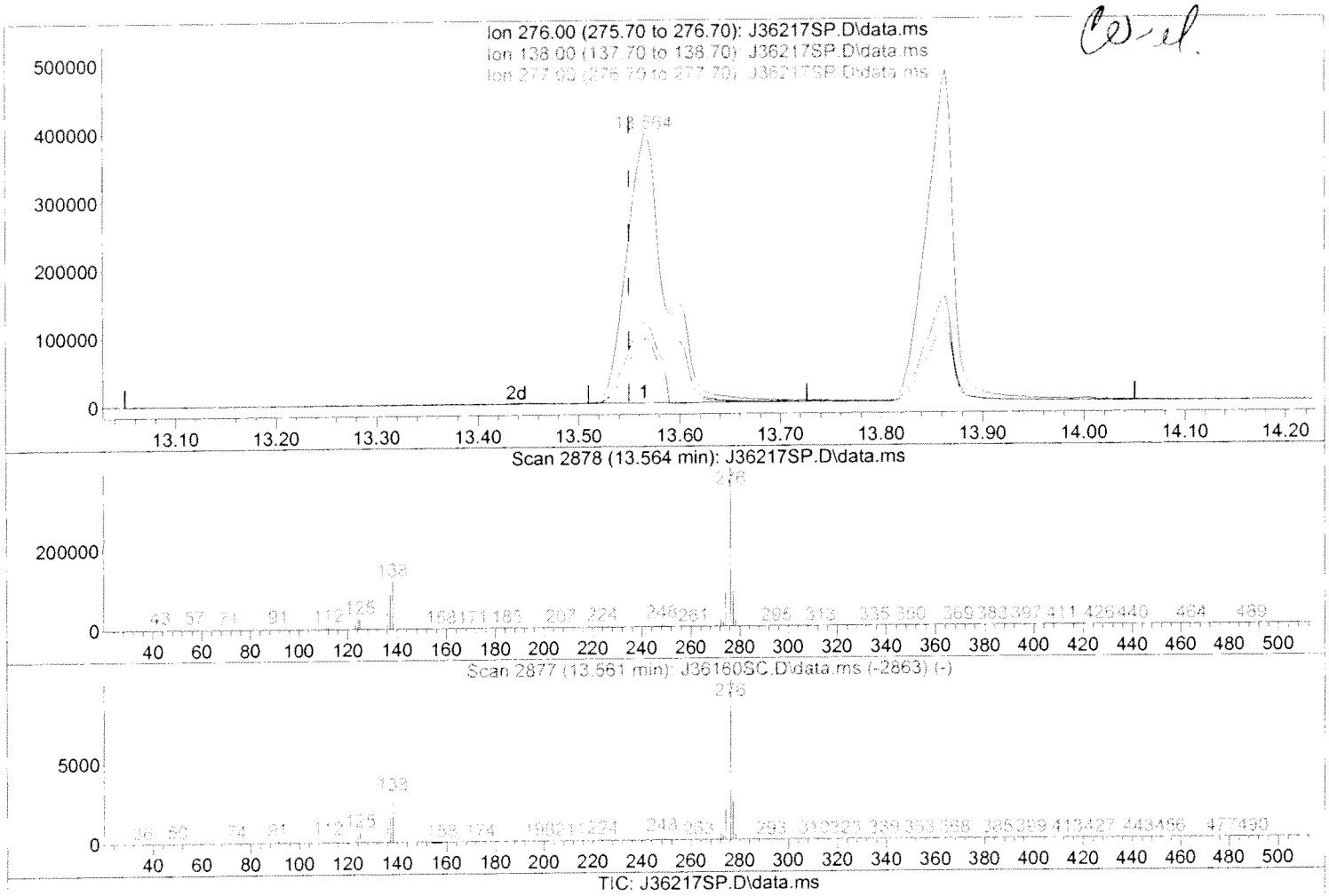
10/18/10

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36217SP.D
Acq On : 15 Oct 2010 12:16 pm
Operator : AR/MG
Sample : 67967-4,MS
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 15 20:49:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

PK 10/18/10

Co-el.



(84) Indeno [1,2,3-cd] pyrene (TM)

13.564min (+0.014) 46.21ug/ml

response 1062690

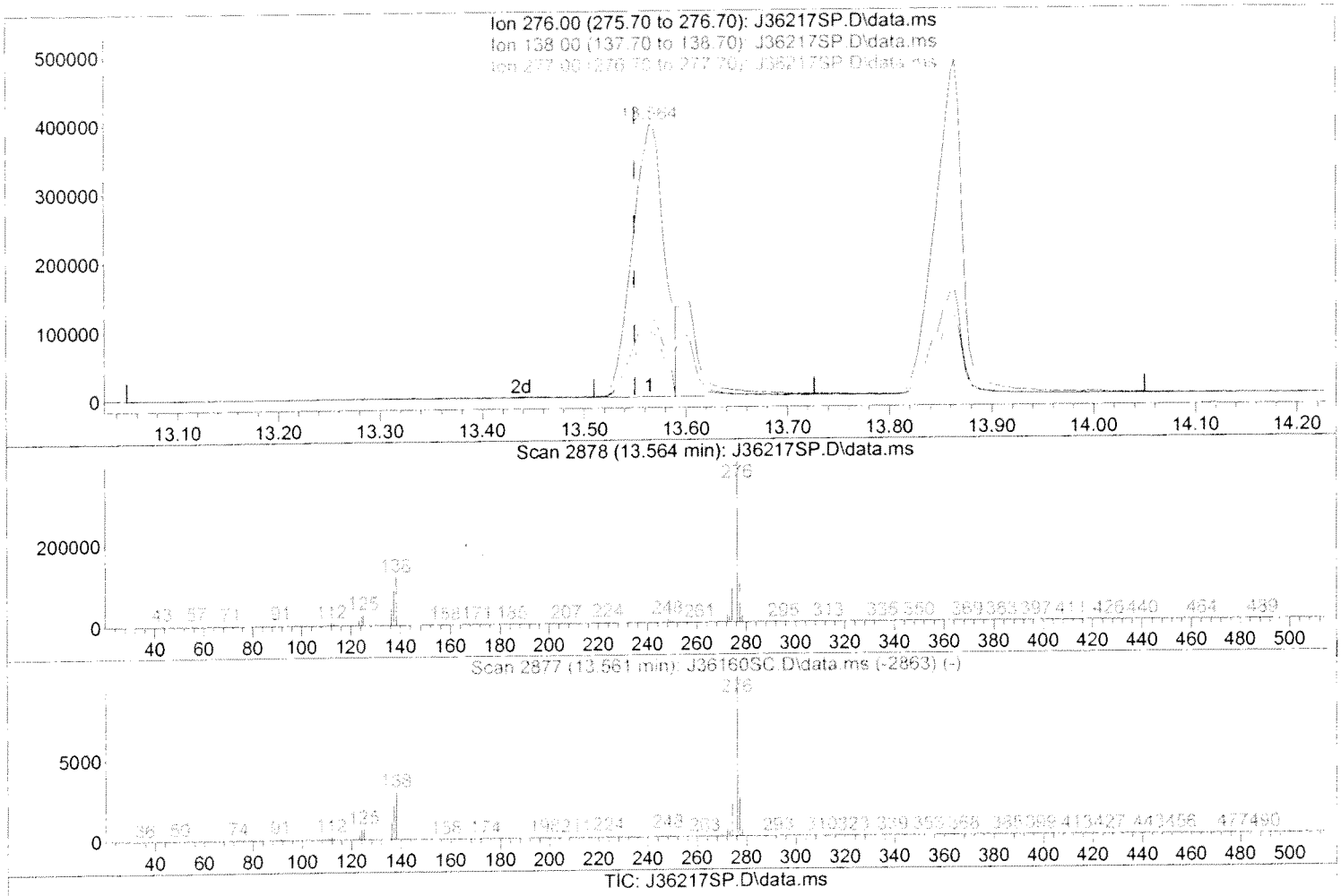
Ion	Exp%	Act%
276.00	100	100
138.00	31.60	24.62#
277.00	27.30	19.35#
0.00	0.00	0.00

10/18/10

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36217SP.D
Acq On : 15 Oct 2010 12:16 pm
Operator : AR/MG
Sample : 67967-4,MS
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 15 20:49:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/18/10



(84) Indeno [1,2,3-cd] pyrene (TM)

13.564min (+0.014) 37.53ug/ml m

response 863095

Ion	Exp%	Act%
276.00	100	100
138.00	31.60	30.31
277.00	27.30	23.83
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36218SP.D
Acq On : 15 Oct 2010 12:37 pm
Operator : AR/MG
Sample : 67967-4,MSD
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 17 23:45:45 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

AM 10/18/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.964	152	371922	40.00	ug/ml	0.00
19) d8-Naphthalene	5.265	136	1088099	40.00	ug/ml	0.00
35) d10-Acenaphthene	6.981	164	625730	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.408	188	1122682	40.00	ug/ml	0.00
71) d12-Chrysene	10.955	240	939056	40.00	ug/ml	0.00
79) d12-Perylene	12.404	264	953834	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.603	112	560988	51.59	ug/ml	0.00
Spiked Amount 75.000	Range 35 - 105		Recovery = 68.79%			
5) d5-Phenol	3.665	99	712020	56.09	ug/ml	0.01
Spiked Amount 75.000	Range 40 - 100		Recovery = 74.79%			
20) d5-nitrobenzene	4.554	82	353478	37.64	ug/ml	0.00
Spiked Amount 50.000	Range 35 - 100		Recovery = 75.28%			
39) 2-Fluorobiphenyl	6.356	172	829841	42.07	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 105		Recovery = 84.14%			
60) 2,4,6-Tribromophenol	7.753	330	241599	71.76	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 125		Recovery = 95.68%			
73) d14-p-terphenyl	9.974	244	812557	47.55	ug/ml	0.00
Spiked Amount 50.000	Range 30 - 125		Recovery = 95.10%			

Target Compounds						Qvalue
2) Pyridine	1.439	79	279725	23.10	ug/ml	92
3) N-nitrosodimethylamine	1.420	74	159059	24.15	ug/ml	97
6) Aniline	3.637	93	408263	23.81	ug/ml	99
7) Phenol	3.684	94	770674	59.18	ug/ml	98
8) 2-Chlorophenol	3.763	128	619180	54.23	ug/ml	92
9) bis(2-chloroethyl) ether	3.735	63	311160	28.33	ug/ml	98
10) 1,3-Dichlorobenzene	3.899	146	384487	26.14	ug/ml	99
11) 1,4-Dichlorobenzene	3.983	146	368162	26.16	ug/ml	99
12) 1,2-Dichlorobenzene	4.133	146	357952	25.15	ug/ml	98
13) Benzyl Alcohol	4.152	108	218088	35.18	ug/ml	94
14) 2-Methylphenol	4.297	108	549217	59.17	ug/ml	99
15) bis(2-chloroisopropyl)...	4.287	45	644298	31.20	ug/ml	100
16) 3+4-Methylphenol	4.470	108	558807	61.34	ug/ml	99
17) Hexachloroethane	4.474	117	116361	27.89	ug/ml	99
18) N-nitroso-di-n-propyla...	4.437	70	212070	33.85	ug/ml	96
21) Nitrobenzene	4.572	123	149733	28.57	ug/ml	98
22) Isophorone	4.844	82	552255	31.62	ug/ml	99
23) 2-Nitrophenol	4.895	139	384680	61.92	ug/ml	99
24) 2,4-Dimethylphenol	4.998	107	617753	61.01	ug/ml	99
25) Bis(2-chloroethoxy)met...	5.078	93	346953	29.27	ug/ml	98
26) 2,4-Dichlorophenol	5.157	162	587739	62.88	ug/ml	99

101810

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36218SP.D
Acq On : 15 Oct 2010 12:37 pm
Operator : AR/MG
Sample : 67967-4,MSD
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 17 23:45:45 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Benzoic Acid	5.129	105	5077m	4.70	ug/ml	
28) 1,2,4-Trichlorobenzene	5.213	180	325578	28.75	ug/ml	99
29) Naphthalene	5.283	128	821694	28.47	ug/ml	99
30) 2,6-Dichlorophenol	5.377	162	269538	32.22	ug/ml	84
31) 4-Chloroaniline	5.372	127	384367	33.17	ug/ml	96
32) Hexachlorobutadiene	5.424	225	188293	28.57	ug/ml	99
33) 4-Chloro-3-methylphenol	5.899	107	531294	64.85	ug/ml	100
34) 2-Methylnaphthalene	5.975	141	513931	29.71	ug/ml	99
36) Hexachlorocyclopentadiene	6.132	237	149951	23.40	ug/ml	100
37) 2,4,6-Trichlorophenol	6.280	196	453121	68.83	ug/ml	98
38) 2,4,5-Trichlorophenol	6.320	196	525611	69.85	ug/ml	99
40) 2-Chloronaphthalene	6.450	162	559938	32.67	ug/ml	99
41) 2-Nitroaniline	6.575	138	271352	33.13	ug/ml	93
42) 2,6-Dinitrotoluene	6.826	165	174550	33.35	ug/ml	96
43) Dimethyl Phthalate	6.777	163	770899	32.48	ug/ml	99
44) Acenaphthylene	6.840	152	951130	32.22	ug/ml	99
45) 3-Nitroaniline	6.981	138	175148	37.92	ug/ml	96
46) Acenaphthene	7.015	153	573661	30.90	ug/ml	98
47) 2,4-dinitrophenol	7.098	184	17211	10.39	ug/ml#	87
48) Dibenzofuran	7.180	168	951165	31.50	ug/ml	98
49) 4-Nitrophenol	7.219	109	168932	68.31	ug/ml	90
50) 2,4-Dinitrotoluene	7.214	165	220514	33.07	ug/ml	90
51) 2,3,4,6-Tetrachlorophenol	7.326	232	234274	38.75	ug/ml	98
52) Fluorene	7.515	166	707872	31.84	ug/ml	99
53) Diethyl Phthalate	7.466	149	666144	29.71	ug/ml	98
54) 4-Chlorophenyl phenyl ...	7.534	204	369280	34.70	ug/ml#	93
55) 4-Nitroaniline	7.583	138	193505	38.93	ug/ml#	27
56) 4,6-Dinitro-2-methylph...	7.607	198	137102	31.10	ug/ml	100
57) n-nitrosodiphenylamine	7.660	169	560142	34.78	ug/ml	98
58) Azobenzene	7.685	77	667689	34.71	ug/ml	93
59) Biphenyl	6.445	154	693867	34.29	ug/ml	99
62) 4-bromophenyl phenyl e...	8.003	248	261542	35.21	ug/ml	99
63) Hexachlorobenzene	8.039	284	271840	34.18	ug/ml	95
64) Pentachlorophenol	8.250	266	296051	62.81	ug/ml	98
65) Phenanthrene	8.430	178	1201094	36.86	ug/ml#	95
66) Anthracene	8.480	178	950061	28.37	ug/ml	99
67) Carbazole	8.664	167	1668410	89.46	ug/ml	99
68) Di-n-butyl phthalate	9.043	149	1127540	28.46	ug/ml	100
69) Fluoranthene	9.570	202	1040181	28.71	ug/ml	99
70) Benzidine	9.739	184	373544	61.92	ug/ml#	97
72) Pyrene	9.782	202	1128227	36.08	ug/ml	99
74) Butyl benzyl phthalate	10.476	149	526524	35.31	ug/ml	100
75) Benzo[a]anthracene	10.940	228	925937	35.30	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36218SP.D
Acq On : 15 Oct 2010 12:37 pm
Operator : AR/MG
Sample : 67967-4,MSD
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

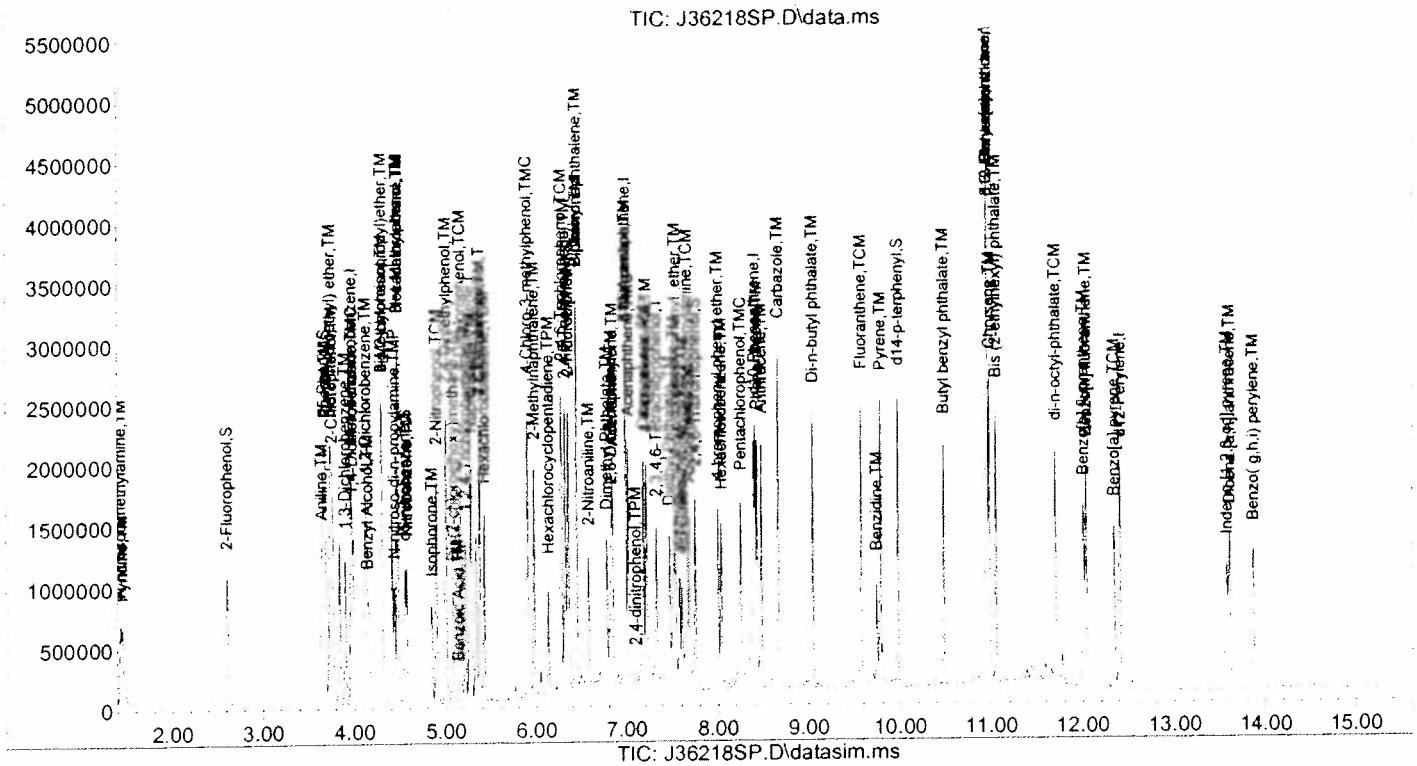
Quant Time: Oct 17 23:45:45 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

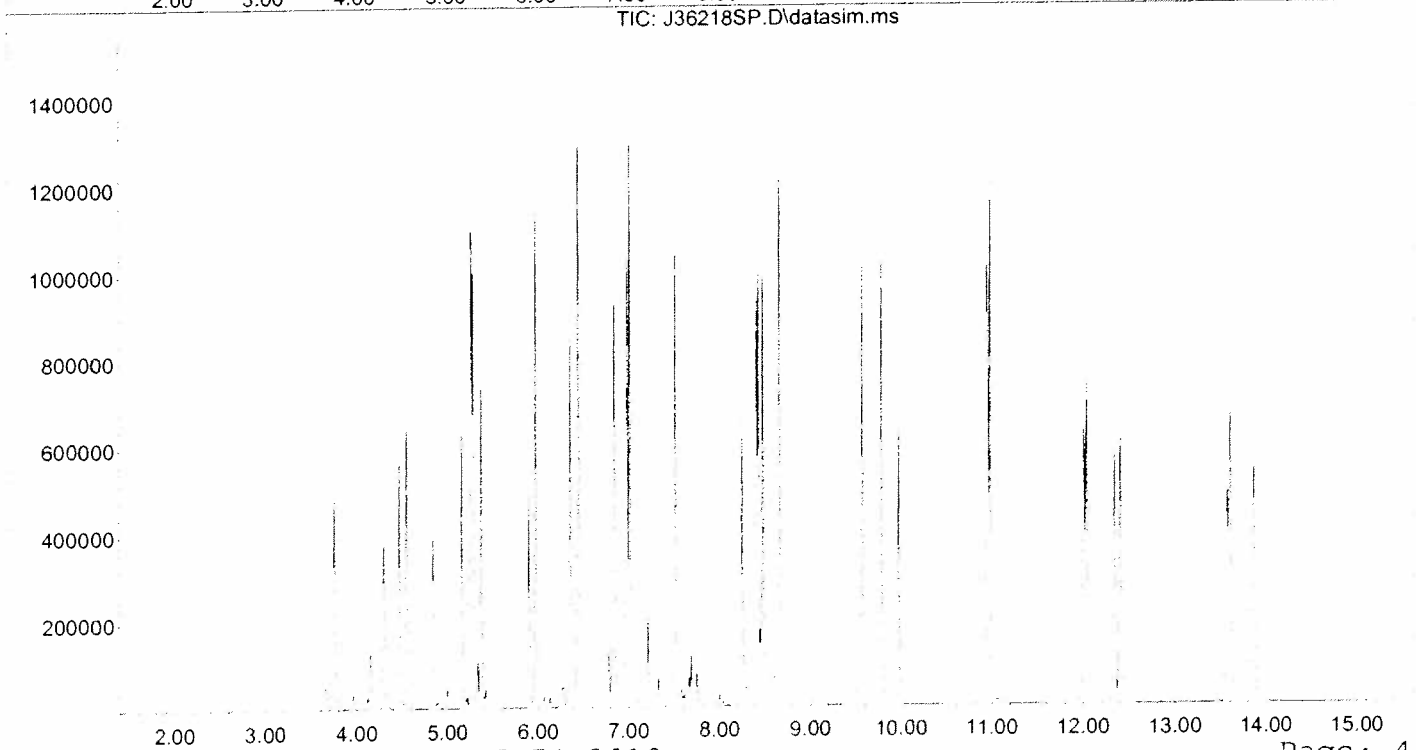
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	10.978	228	968826	36.94 ug/ml	99
77) 3,3'-Dichlorobenzidine	10.955	252	625376	90.99 ug/ml	99
78) Bis (2-ethylhexyl) pht...	11.050	149	718169	37.58 ug/ml	100
80) di-n-octyl-phthalate	11.697	149	1194215	33.28 ug/ml	99
81) Benzo[b] fluoranthene	12.004	252	1026154	35.57 ug/ml	100
82) Benzo[k] fluoranthene	12.033	252	932625	36.52 ug/ml	99
83) Benzo[a] pyrene	12.339	252	829048	29.93 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	13.568	276	832797m	36.22 ug/ml	
85) Dibenz [a,h] anthracene	13.601	278	834208	35.56 ug/ml	100
86) Benzo(g,h,i) perylene	13.864	276	861261	34.30 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36218SP.D
Acq On : 15 Oct 2010 12:37 pm
Operator : AR/MG
Sample : 67967-4,MSD
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 17 23:45:45 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

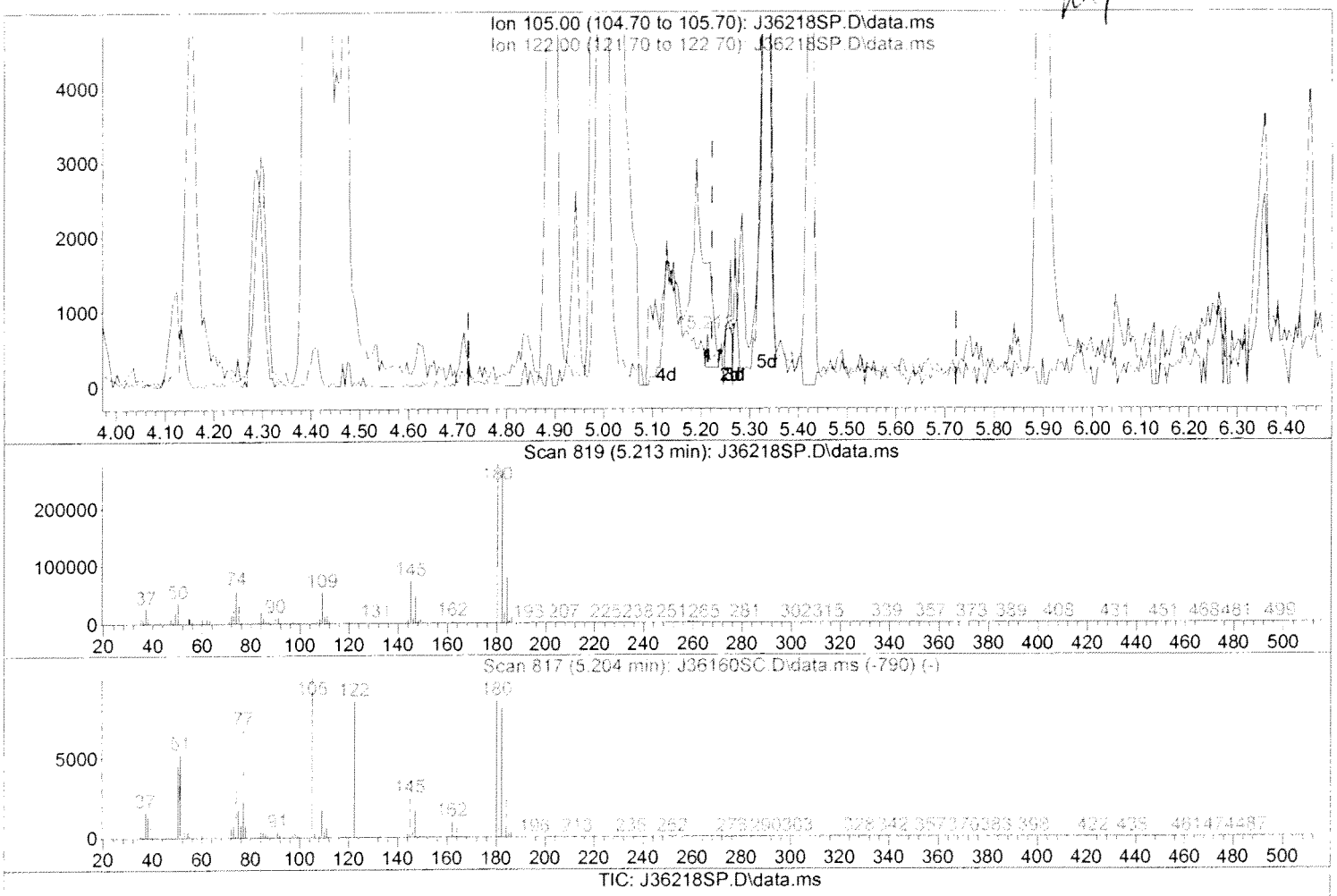




Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36218SP.D
Acq On : 15 Oct 2010 12:37 pm
Operator : AR/MG
Sample : 67967-4,MSD
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 15 20:49:38 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/18/10



(27) Benzoic Acid (TM)

5.213min (-0.009) 3.92ug/ml

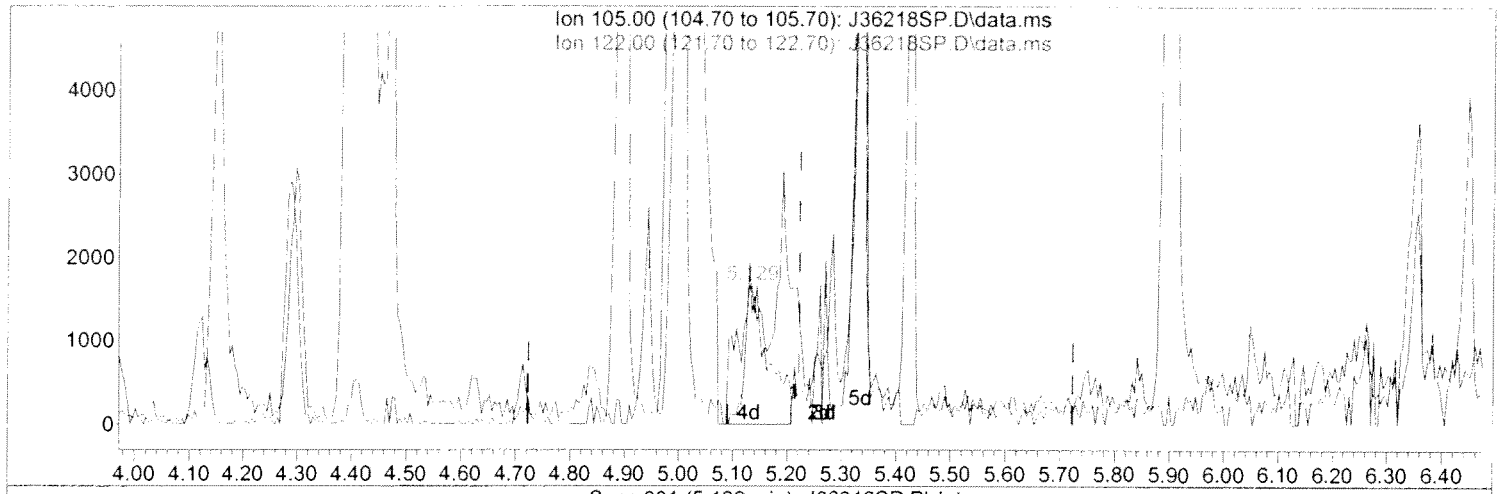
response 271

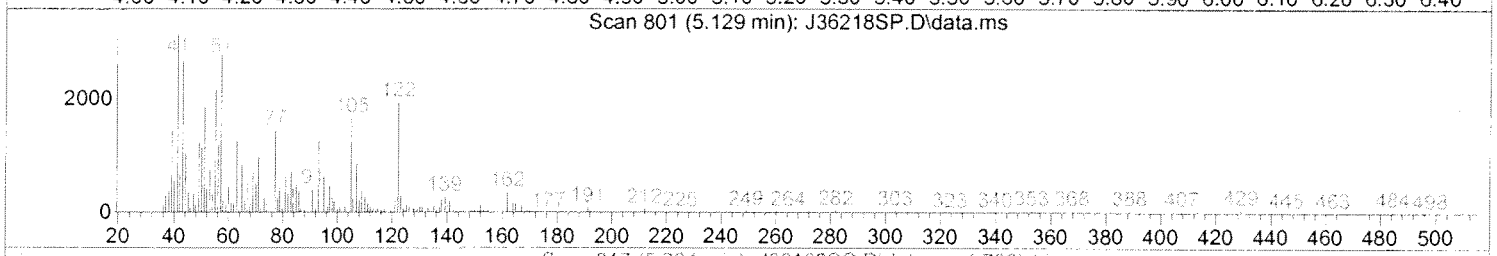
Ion	Exp%	Act%
105.00	100	100
122.00	79.20	2174.54#
0.00	0.00	0.00
0.00	0.00	0.00

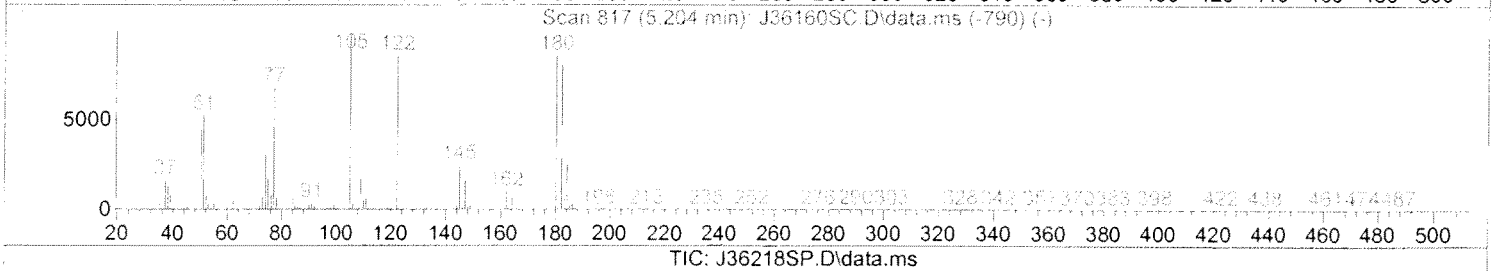
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36218SP.D
Acq On : 15 Oct 2010 12:37 pm
Operator : AR/MG
Sample : 67967-4,MSD
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 15 20:49:38 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/18/10







TIC: J36218SP.D\data.ms

(27) Benzoic Acid (TM)

5.129min (-0.094) 4.70ug/ml m

response 5077

Ion	Exp%	Act%
105.00	100	100
122.00	79.20	116.07#
0.00	0.00	0.00
0.00	0.00	0.00

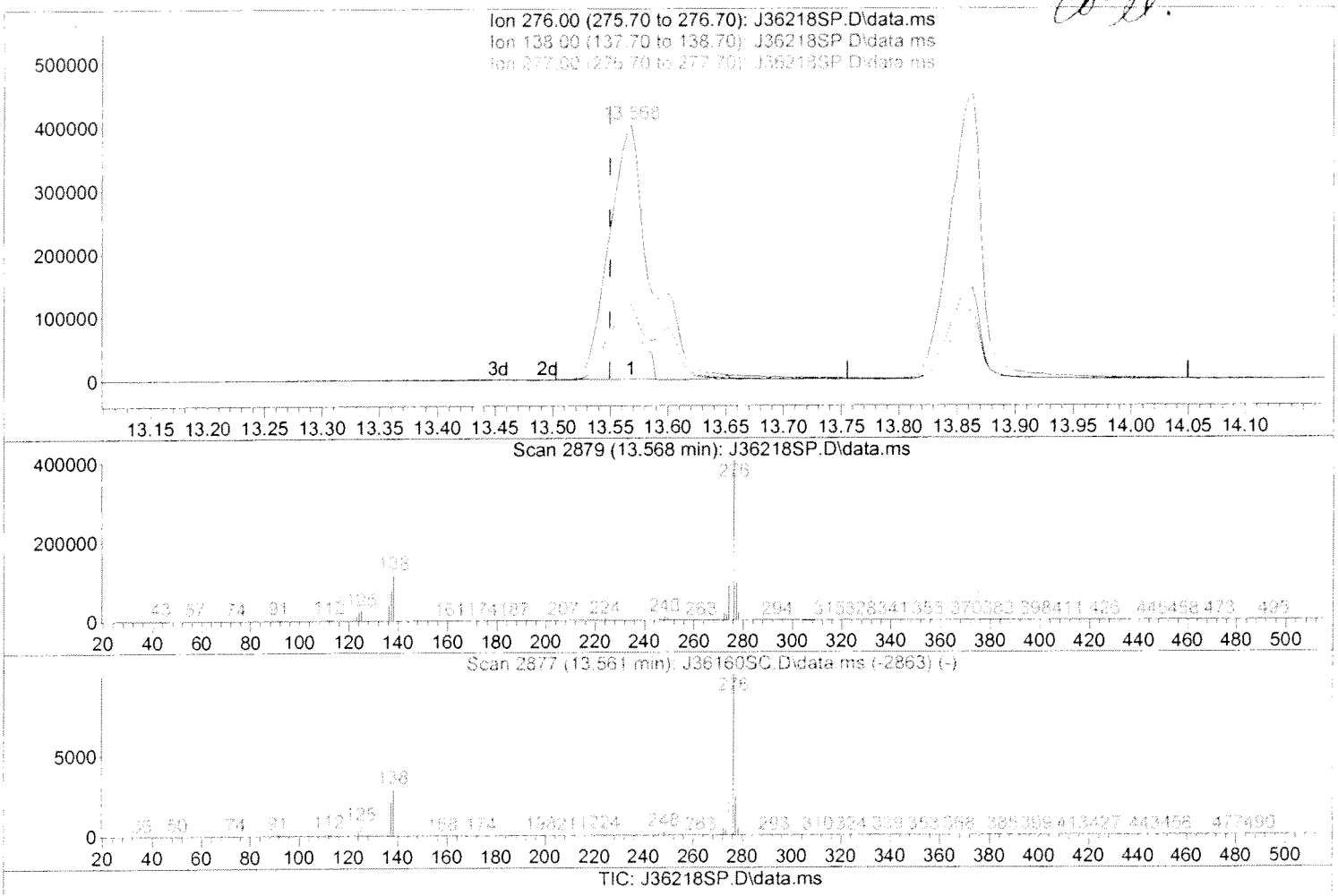
J101810

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36218SP.D
Acq On : 15 Oct 2010 12:37 pm
Operator : AR/MG
Sample : 67967-4,MSD
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 15 20:49:38 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

MN 10/18/10

Co-el.



(84) Indeno [1,2,3-cd] pyrene (TM)

13.568min (+0.018) 44.94ug/ml

response 1033292

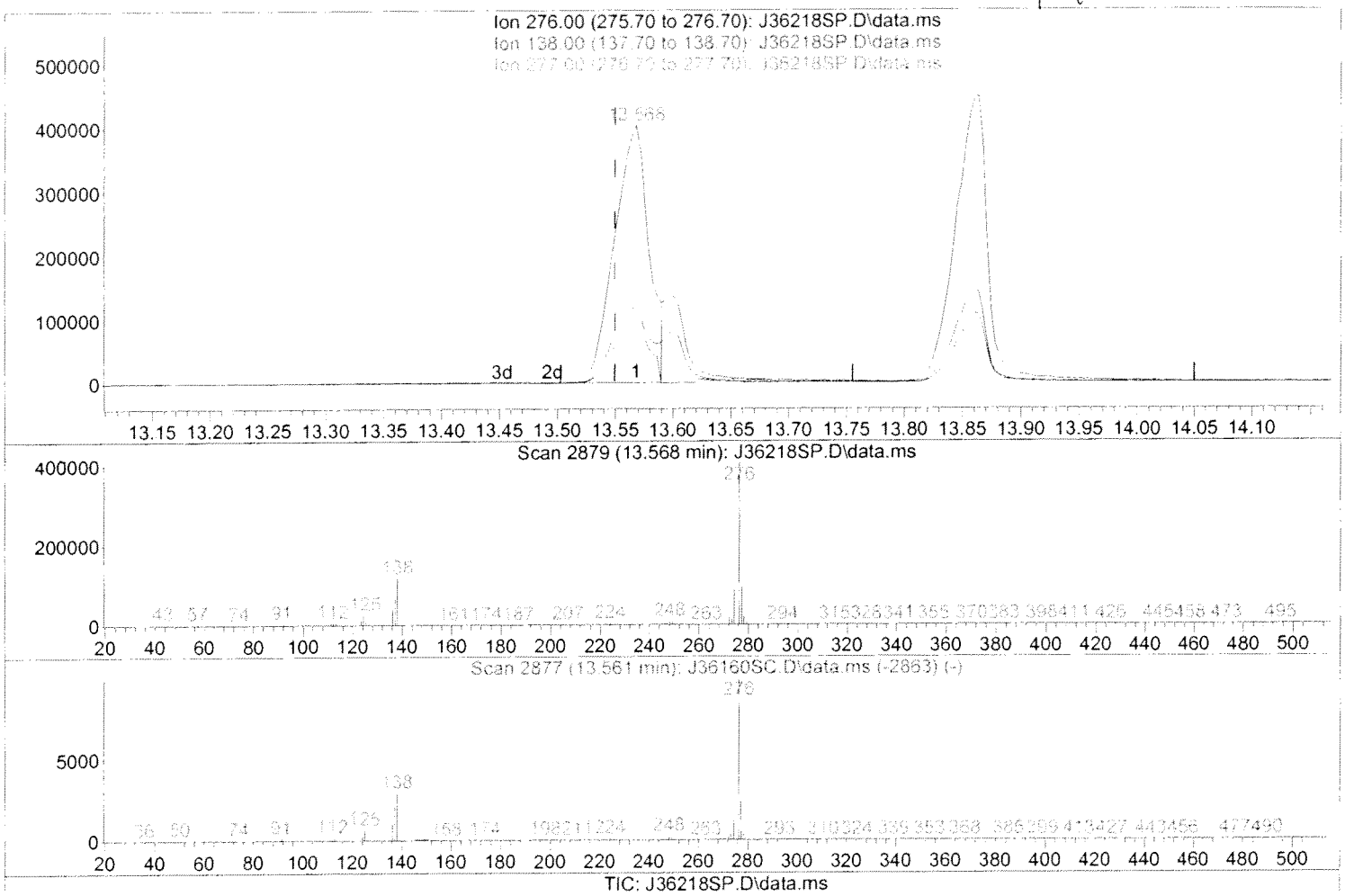
Ion	Exp%	Act%
276.00	100	100
138.00	31.60	24.53#
277.00	27.30	19.15#
0.00	0.00	0.00

10/18/10

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36218SP.D
Acq On : 15 Oct 2010 12:37 pm
Operator : AR/MG
Sample : 67967-4,MSD
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 15 20:49:38 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/18/10



(84) Indeno [1,2,3-cd] pyrene (TM)

13.568min (+0.018) 36.22ug/ml m

response 832797

Ion	Exp%	Act%
276.00	100	100
138.00	31.60	30.44
277.00	27.30	23.76
0.00	0.00	0.00

SEMIVOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

10/18/10

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67967-4
Spike: 67967-4,MS
Spike duplicate: 67967-4,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
n-Decane	2878	2844	40	140	25	0	1826	63		1727	61		6	
Acetophenone	2878	2844	40	140	25	0	2069	72		2057	72		1	
alpha-terpineol	2878	2844	40	140	25	0	2241	78		2187	77		2	
2,3-dichloroaniline	2878	2844	40	140	25	0	2349	82		2333	82		1	
Octadecane	2878	2844	40	140	25	0	2271	79		2193	77		4	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

3/01/10

SVOA FORM 3

SEMIVOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Extracted	Wt (kg)	% Solid	Dilution	CF
67967-4	SOIL	1.0	15.29	0.01529	0.9079	1	72.0368
67967-4,MS	SOIL	1.0	15.31	0.01531	0.9079	1	71.9427
67967-4,MSD	SOIL	1.0	15.49	0.01549	0.9079	1	71.1067

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36217SP.D
Acq On : 15 Oct 2010 12:16 pm
Operator : AR/MG
Sample : 67967-4,MS
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 18 01:22:37 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.964	152	370587	40.00 ug/ml	0.02
19) d8-Naphthalene	5.265	136	1086819	40.00 ug/ml	0.02
35) d10-Acenaphthene	6.981	164	629690	40.00 ug/ml	0.02
61) d10-Phenanthrene	8.408	188	988625	40.00 ug/ml	0.02
71) d12-Chrysene	10.955	240	942824	40.00 ug/ml	0.02
79) d12-Perylene	12.404	264	951081	40.00 ug/ml	0.03

System Monitoring Compounds						
4) 2-Fluorophenol		2.603	112	567048	52.29 ug/ml	0.02
Spiked Amount	75.000	Range 29 - 97		Recovery =	69.72%	70
5) d5-Phenol		3.665	99	729616	57.67 ug/ml	0.02
Spiked Amount	75.000	Range 40 - 120		Recovery =	76.89%	77
20) d5-nitrobenzene		4.554	82	353499	37.74 ug/ml	0.02
Spiked Amount	50.000	Range 20 - 101		Recovery =	75.48%	75
39) 2-Fluorobiphenyl		6.356	172	825910	41.49 ug/ml	0.02
Spiked Amount	50.000	Range 34 - 102		Recovery =	82.98%	83
60) 2,4,6-Tribromophenol		7.753	330	233282	69.27 ug/ml	0.02
Spiked Amount	75.000	Range 36 - 141		Recovery =	92.36%	92
73) d14-p-terphenyl		9.934	244	46484	0.27 ug/ml	-0.02
Spiked Amount	50.000	Range 38 - 108		Recovery =	0.54%#	86

42.98

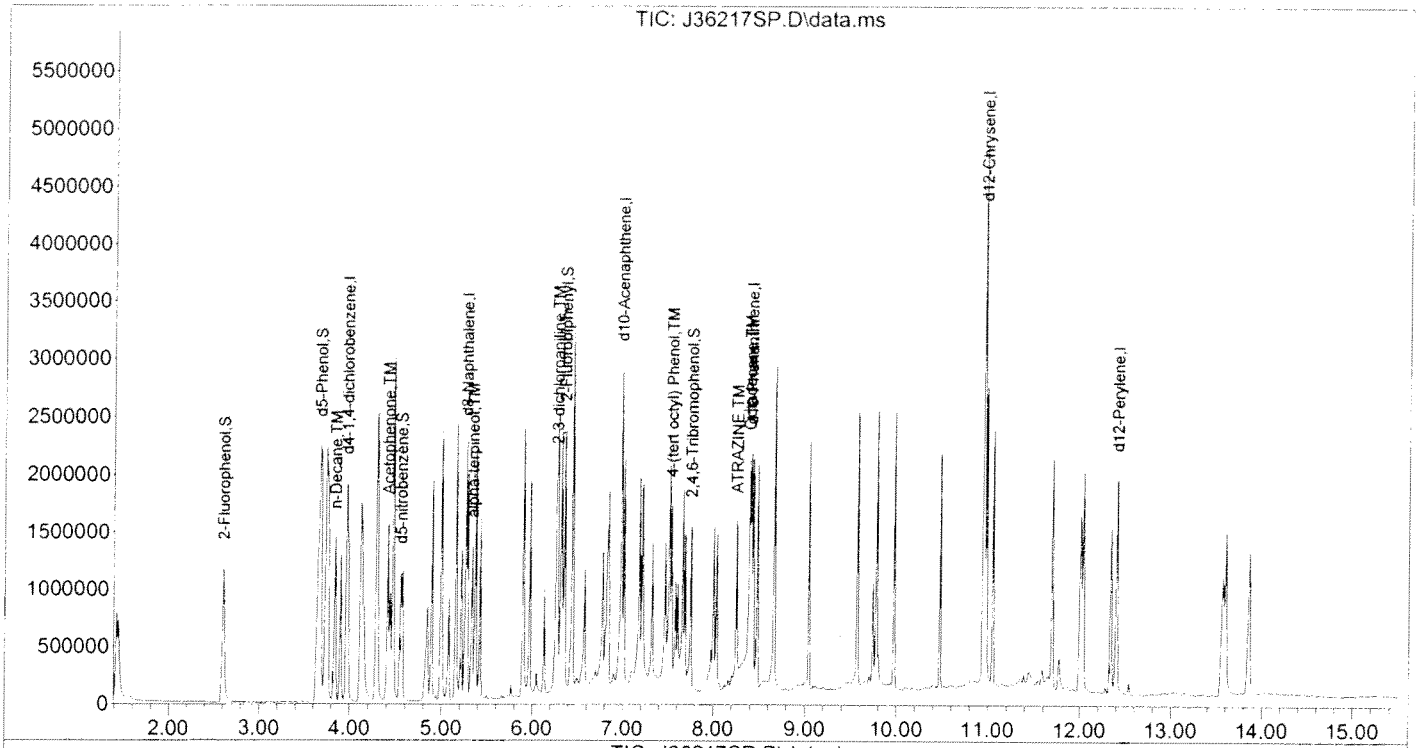
Target Compounds					Qvalue
3) n-Decane	3.838	57	422277	25.38 ug/ml	100
6) Acetophenone	4.413	105	428026	28.76 ug/ml	100
21) alpha-terpineol	5.335	93	131334	31.14 ug/ml	98
22) 2,3-dichloroaniline	6.262	161	377999	32.65 ug/ml	98
~~53) ATRAZINE~~	8.250	200	37513	5.71 ug/ml#	100
~~59) 4-(tert octyl) Phenol~~	7.544	135	35808	1.18 ug/ml#	88
62) Octadecane	8.390	57	427666	31.57 ug/ml	100

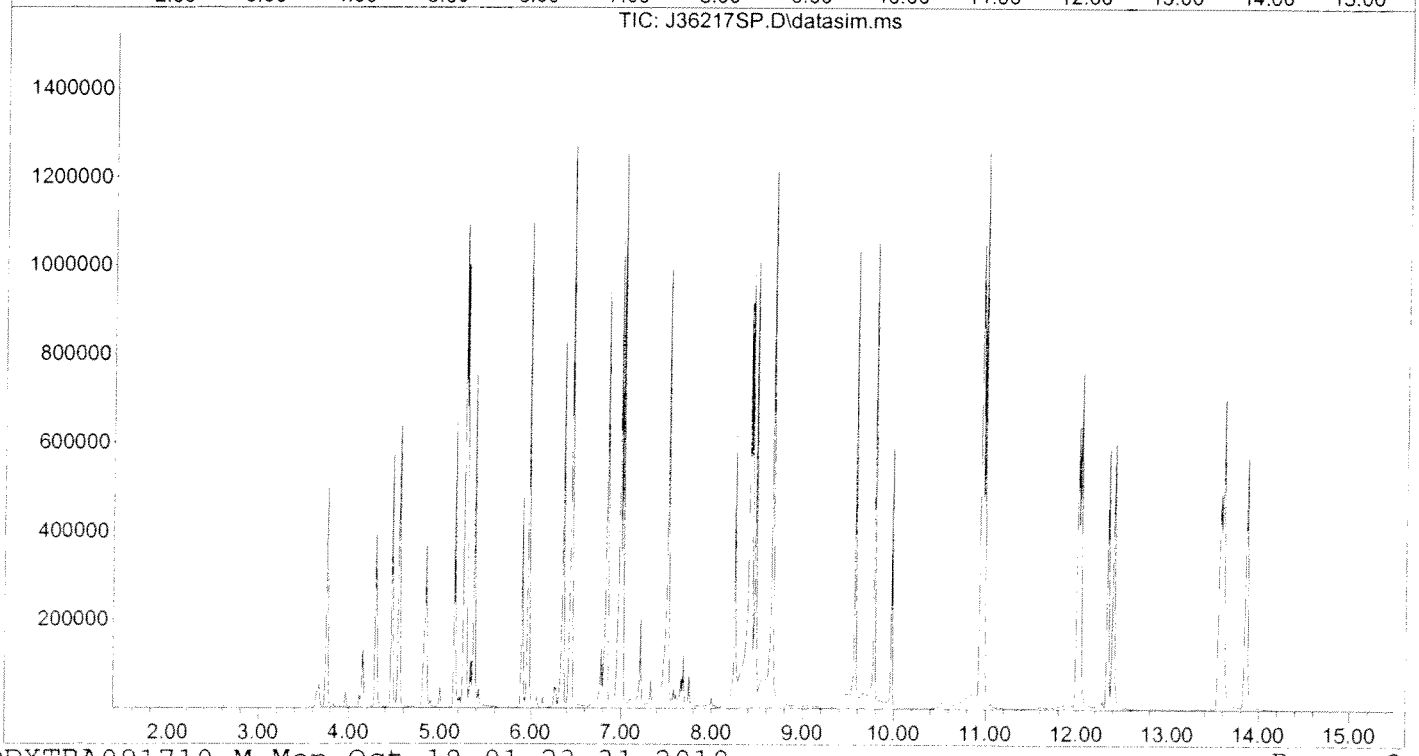
(#) = qualifier out of range (m) = manual integration (+) = signals summed

10/18/10

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36217SP.D
Acq On : 15 Oct 2010 12:16 pm
Operator : AR/MG
Sample : 67967-4,MS
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

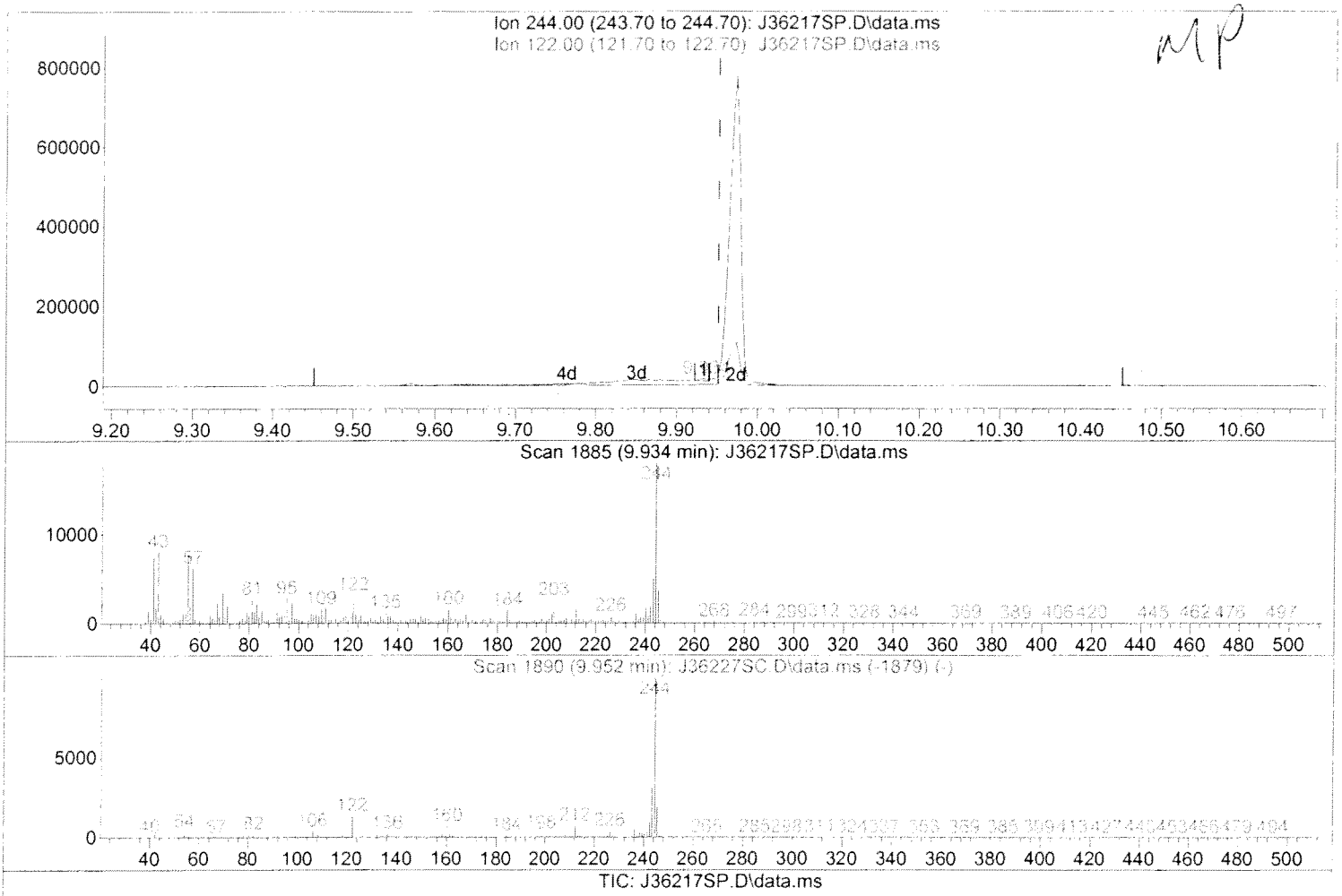
Quant Time: Oct 18 01:22:37 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration





Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36217SP.D
Acq On : 15 Oct 2010 12:16 pm
Operator : AR/MG
Sample : 67967-4,MS
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 18 01:22:37 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration



(73) d14-p-terphenyl (S)

9.934min (-0.018) 0.27ug/ml

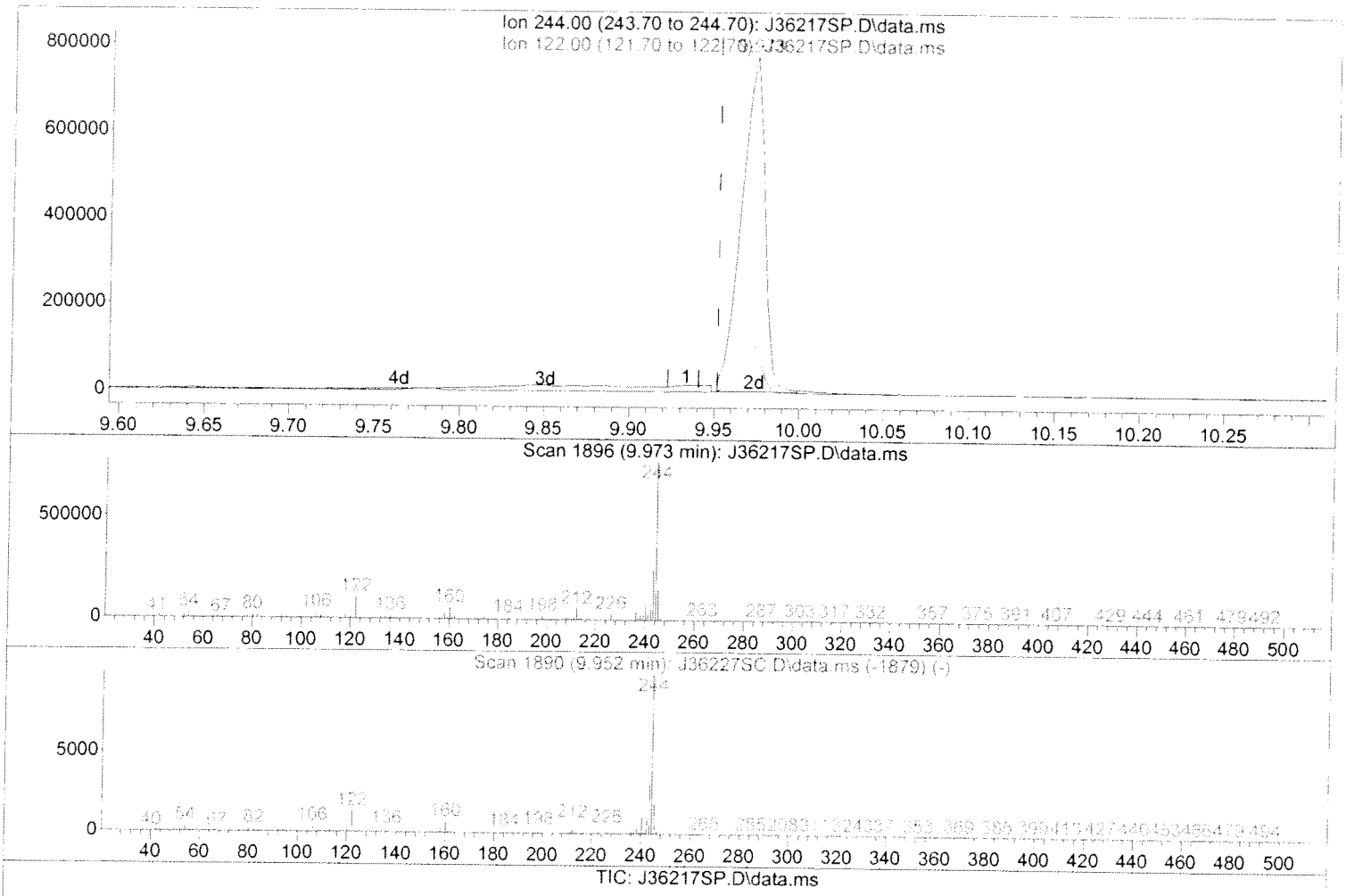
response 4648

Ion	Exp%	Act%
244.00	100	100
122.00	14.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36217SP.D
Acq On : 15 Oct 2010 12:16 pm
Operator : AR/MG
Sample : 67967-4,MS
Misc : SOIL
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 18 01:22:37 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

10/18/10



(73) d14-p-terphenyl (S)

9.973min (+0.021) 42.98ug/ml m

response 738761

Ion	Exp%	Act%
244.00	100	100
122.00	14.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

10/18/10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36218SP.D
Acq On : 15 Oct 2010 12:37 pm
Operator : AR/MG
Sample : 67967-4,MSD
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 18 01:34:24 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

10/18/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.964	152	369263	40.00	ug/ml	0.02
19) d8-Naphthalene	5.265	136	1088099	40.00	ug/ml	0.02
35) d10-Acenaphthene	6.981	164	625730	40.00	ug/ml	0.02
61) d10-Phenanthrene	8.408	188	1122682	40.00	ug/ml	0.02
71) d12-Chrysene	10.955	240	929322m	40.00	ug/ml	0.02
79) d12-Perylene	12.404	264	952624	40.00	ug/ml	0.03

System Monitoring Compounds						
4) 2-Fluorophenol	2.603	112	560988	51.91	ug/ml	0.02
Spiked Amount 75.000	Range 29 - 97		Recovery = 69.21%			
5) d5-Phenol	3.665	99	712020	56.48	ug/ml	0.02
Spiked Amount 75.000	Range 40 - 120		Recovery = 75.31%			
20) d5-nitrobenzene	4.554	82	352956	37.64	ug/ml	0.02
Spiked Amount 50.000	Range 20 - 101		Recovery = 75.28%			
39) 2-Fluorobiphenyl	6.356	172	829841	42.00	ug/ml	0.02
Spiked Amount 50.000	Range 34 - 102		Recovery = 84.00%			
60) 2,4,6-Tribromophenol	7.753	330	241099	72.04	ug/ml	0.02
Spiked Amount 75.000	Range 36 - 141		Recovery = 96.05%			
73) d14-p-terphenyl	9.974	244	805989	47.57	ug/ml	0.02
Spiked Amount 50.000	Range 38 - 108		Recovery = 95.14%			

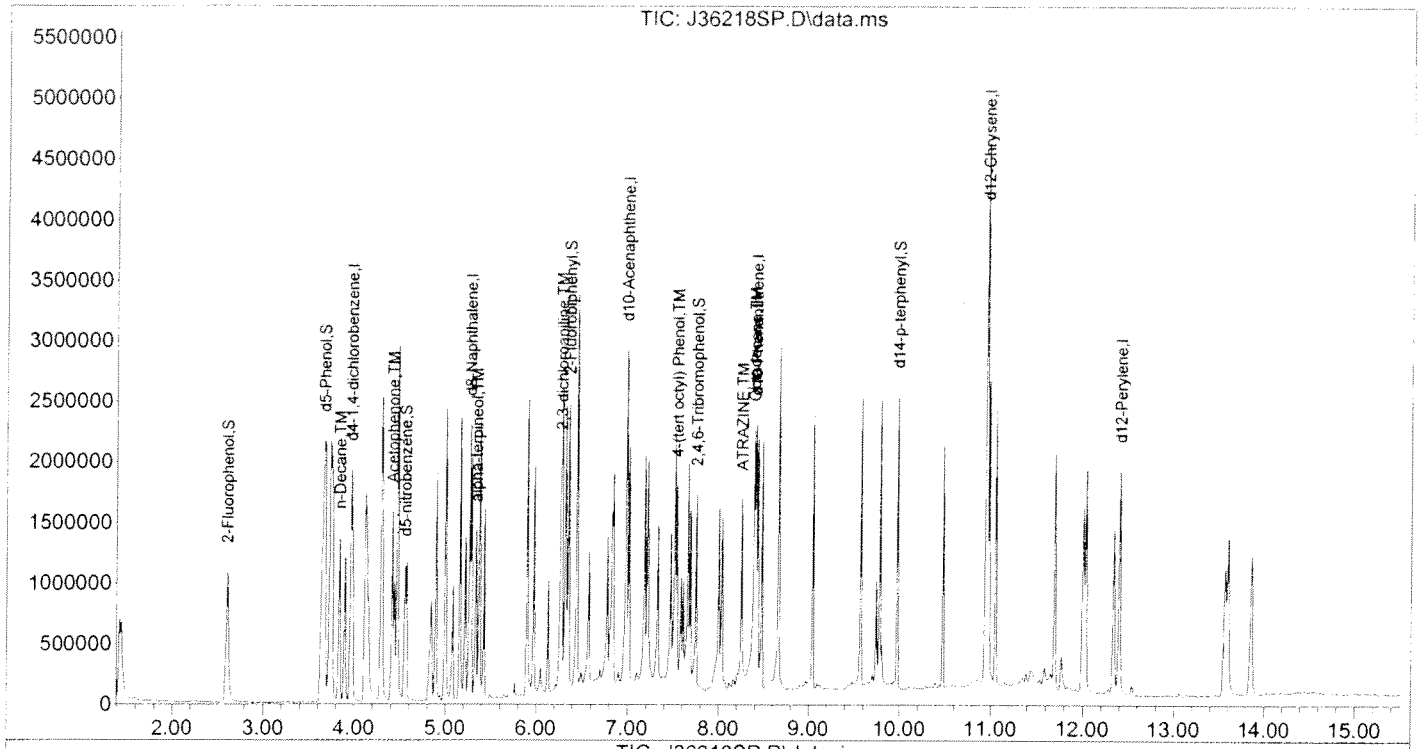
Target Compounds						Qvalue
3) n-Decane	3.838	57	402701	24.29	ug/ml	99
6) Acetophenone	4.413	105	429089	28.93	ug/ml	99
21) alpha-terpineol	5.335	93	129836	30.75	ug/ml	97
22) 2,3-dichloroaniline	6.262	161	380233	32.81	ug/ml	99
58) ATRAZINE	8.250	200	39598	6.07	ug/ml#	100
59) 4-(tert octyl) Phenol	7.544	135	30746	1.02	ug/ml#	79
62) Octadecane	8.390	57	475555	30.84	ug/ml	84

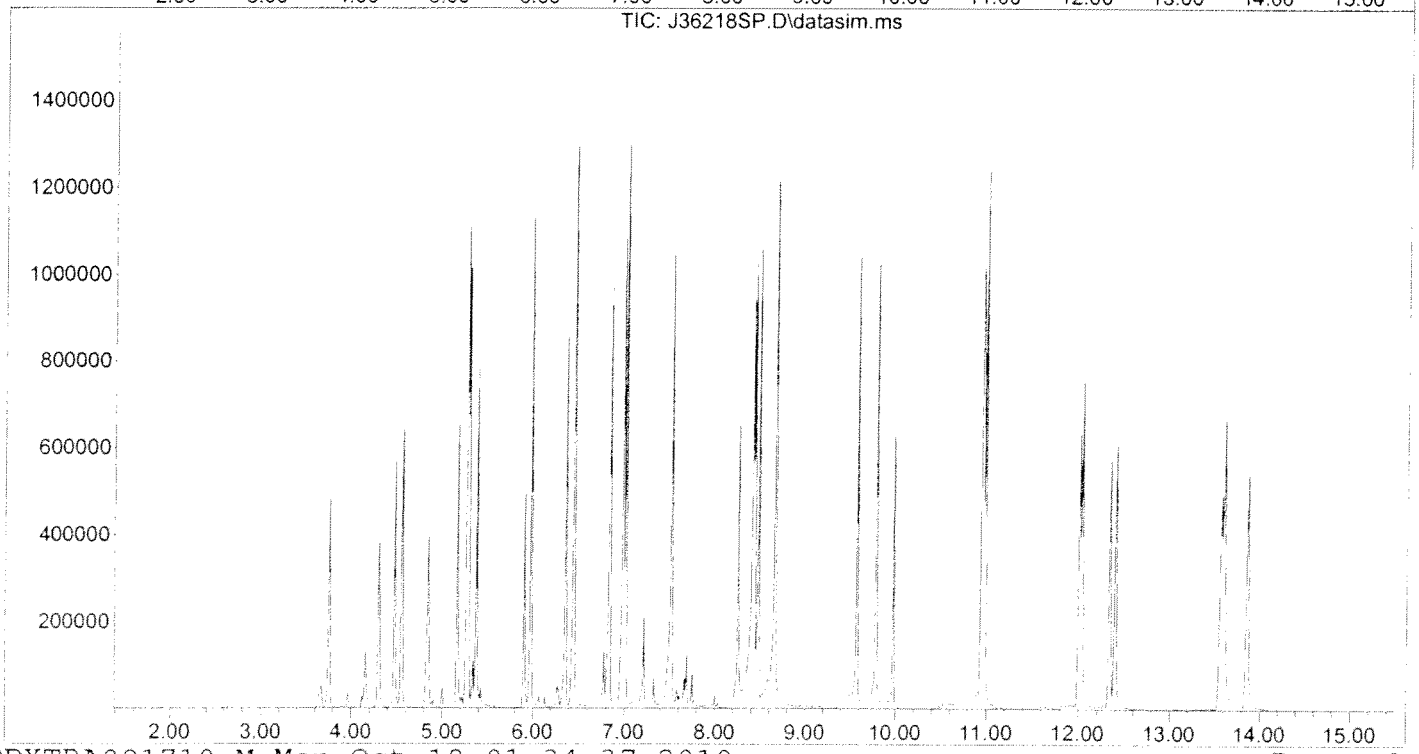
(#) = qualifier out of range (m) = manual integration (+) = signals summed

10/18/10

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36218SP.D
Acq On : 15 Oct 2010 12:37 pm
Operator : AR/MG
Sample : 67967-4,MSD
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 18 01:34:24 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

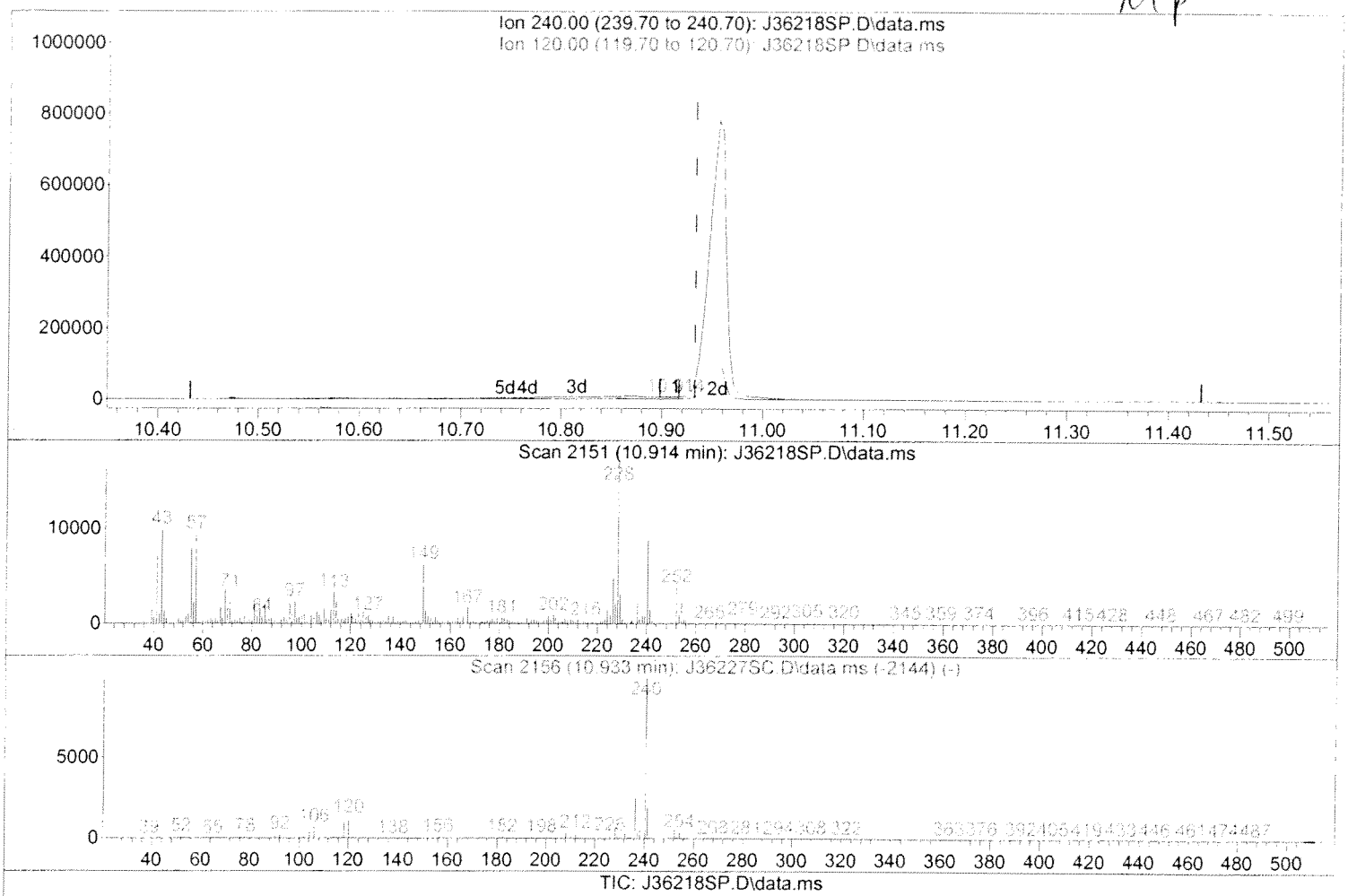




Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36218SP.D
Acq On : 15 Oct 2010 12:37 pm
Operator : AR/MG
Sample : 67967-4,MSD
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 18 01:22:43 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

10/18/10
MP



(71) d12-Chrysene (I)

10.914min (-0.019) 40.00ug/ml

response 2381

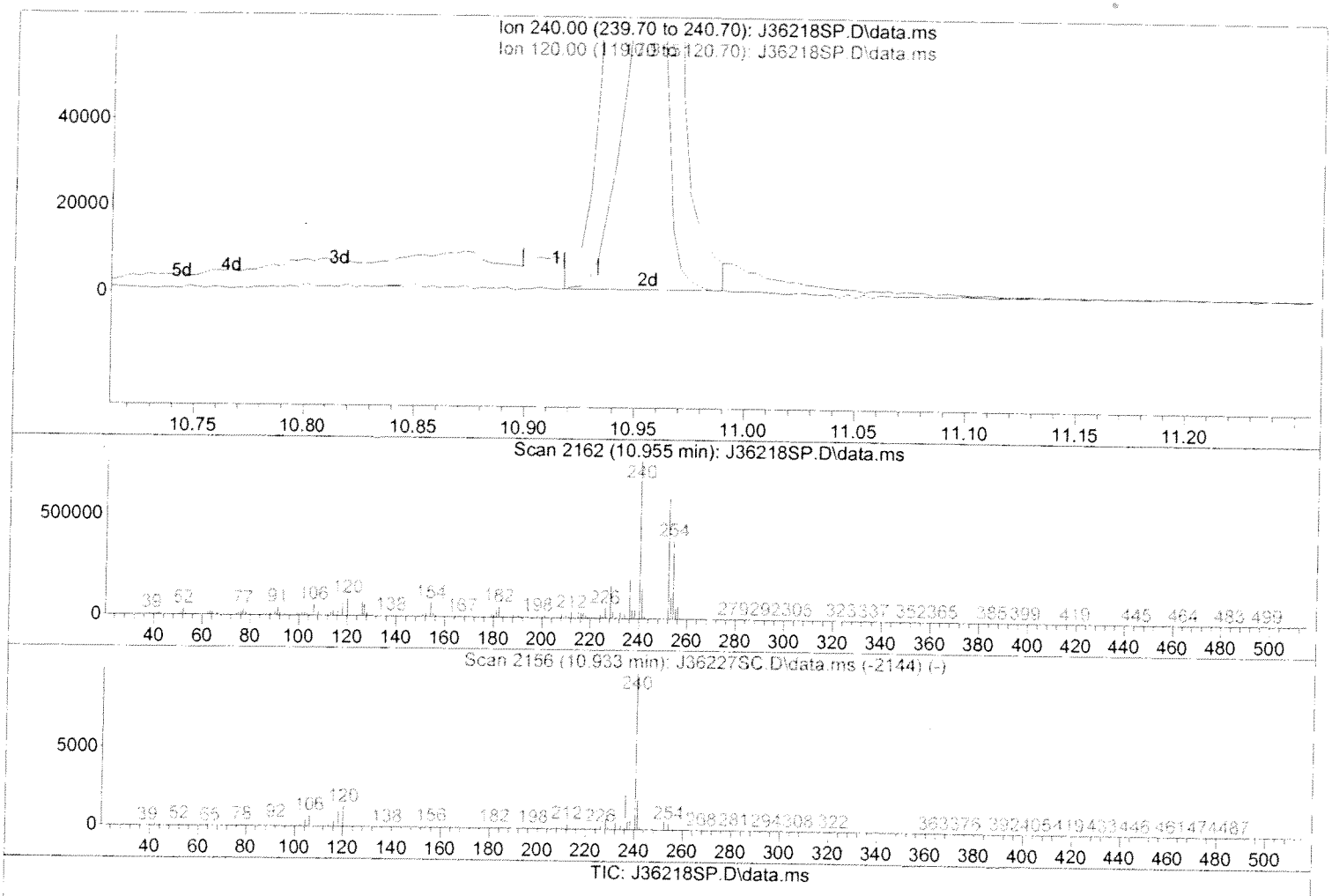
Ion	Exp%	Act%
240.00	100	100
120.00	13.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

10/18/10

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36218SP.D
Acq On : 15 Oct 2010 12:37 pm
Operator : AR/MG
Sample : 67967-4,MSD
Misc : SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 18 01:22:43 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

10/18/10



(71) d12-Chrysene (I)

10.955min (+0.023) 40.00ug/ml m

response 929322

Ion	Exp%	Act%
240.00	100	100
120.00	13.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Instrument J

analytics environmental laboratory LLC

091710-J

ABN IS only#: S10106 EXP: 3/16/11

Tune File: ABN.u Date: 9/17/10 Loading Check: AUR

Voltage: 1953 Analyst: AUR Unloading Check: AUR

W-J-091710-1-AUR

Vial	Meth File	Sample	DF	Data File #	Comments
99		S9599 Col. Cond.		J35839-40	
1	tunemix	S9836 tunemix 50ng		41T	✓
2		S10096 2/4 HST		42	ok
2	SIM091710	S10119 0.05/0.1		43ST	✓
3		S10118 0.1/0.2		44	✓
4		S10117 0.2/0.4		45	✓
5		S10116 1/2		46	✓
6	ABN091710	S10115 2/4		47	✓
7		S10114 4/8		48	✓
8		S10113 10/20		49	✓
9		S10112 20/40		50	✓
10		S10111 40/80		51	✓
11		S10110 80/100		52	✓
12		S10109 100/200		53	✓
13		S10120 20/40 ICV		54	✓
14		S10121 2/4 ICV		55	✓
1	tunemix	S9836 tunemix 50ng		56T	✓
6	SIM091710	S10115 2/4		57SC	✓
9	ABN091710	S10112 20/40		58SC	✓
100		MeCl2 lot #J20S01		59	✓
15		B091610SIMASE		59B ~~60B~~	✓
16		L091610SIMASE		60Q 61Q	✓ } Rec. ok but ↑ RPD's
17		LD091610SIMASE		61Q 62Q	✓
18		M091610SIMASE-1		62 ~~63~~	✓
19		-2		63	✓
20		-3		64	↑ 2-Methylnaphthalene
21		-4		65	✓
22		-5		66	✓
23		-6		67	✓
24		-7		68	✓
25		67799-1		69	✓
26		-1,MS		70SP	✓
27		-1,MSD		71SP	✓
28		-2		72	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Cont. pg. 5

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 3 11/25/09

[4]

Instrument J

Analytics environmental laboratory LLC

ABN ~~EPH~~ 10/15/10

101410-J

IS only#: S0163 EXP: 4/14/11

Tune File: ABN.u Date: 10/14/10 Loading Check: AUR

Voltage: 1953 Analyst: AUR Unloading Check: AUR

W-J-101410-AUR

Vial	Meth File	Sample	DF	Data File #	Comments
99		S9599 Col. Cond.		J36191-92	
1	Tunemix	S10134 Tunemix	50ng	93J	✓
2	ABN091710	S10156 20/40		94SC	RN ✓
2	(Add XtrAcid)	S10156 20/40		95SC	✓ ↑ Benzoic Acid + ↑ Benzyl Alcohol
3		B101210AAW, RR		96B	Confirms, Bis 6.70 µg/l
4		L101210AAW, RR		97Q	✓
5		LD101210AAW, RR		98Q	✓ ↓ Caprolactam
6		67968-13 8270W		99	Bis 0.97 µg/l <J
7		-14 ↓		J36200	Bis at 0.61 µg/l <J
8		68000-2 8270W		01	Bis at 1.48 µg/l J
9		67977-20RN PAHW		02	✓
10		67978-16KN ↓		03	✓
11		B100710AASE, RR		04B	✓
12		L100710AASE, RR		05Q	✓
13		LD070710AASE, RR		06Q	✓
14		LOD/LOQ100710AASE		07	
15		67771-2 LOD/LOQ		08	
16		-5		09	
17		67772-5		10	
18		-6 ↓	↓	11	
19	67958-1	~~67959-1~~	625	12	✓
20	67959-1	~~67960-1~~ 10/15/10	↓	13	↓ Acid Surr.
21	67960-1	~~67993-1~~	↓	14	Bis 33.91 µg/l
22		67993-1, RN	Bis only	15	✓
23		67967-4 8270ASE		16	✓
24		-4, MS		17SP	✓
25		-4, MSD		18SP	✓ ↓ failures due to matrix
26		-3		19	✓
27		-2		20	✓
28		-1 ↓		21	✓
29		67995-1 625		22	✓
30		67957-1 625	2	23	✓

Rej
Rej

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

SEMIVOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967
DFTPP File ID: J35841T.D
DFTPP Injection Date: 09/17/10
DFTPP Injection Time: 22:49

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10115 2/4	J35847SI.D	9/18/10 1:01
S10114 4/8	J35848SI.D	9/18/10 1:22
S10113 10/20	J35849SI.D	9/18/10 1:43
S10112 20/40	J35850SI.D	9/18/10 2:04
S10111 40/80	J35851SI.D	9/18/10 2:25
S10110 50/100	J35852SI.D	9/18/10 2:46
S10109 100/200	J35853SI.D	9/18/10 3:07
S10120 20/40 ICV	J35854.D	9/18/10 3:28

Refer to the DFTPP report J35841T.D for ion ratio evaluation.

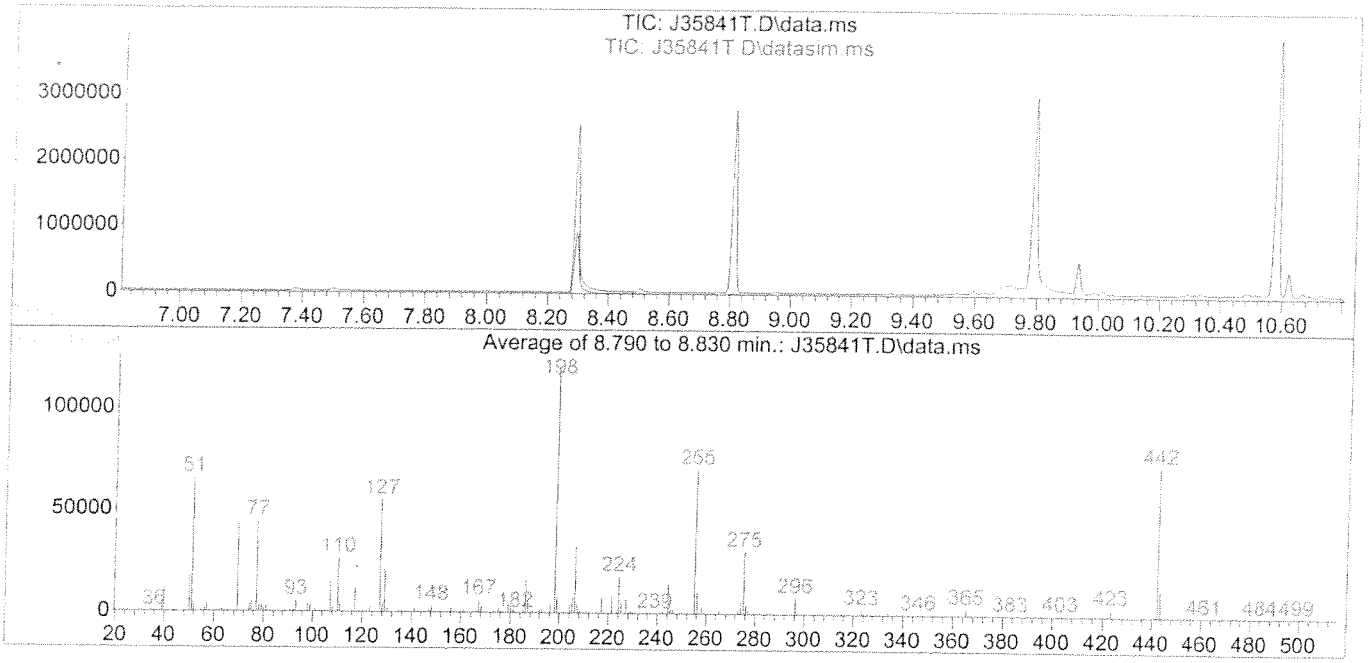
SVOA FORM 5

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIX.M
Title : ABN FULL SCAN
Last Update : Wed Sep 15 23:56:57 2010

MV 9/18/10



Spectrum Information: Average of 8.790 to 8.830 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.4	65631	PASS
68	69	0.00	2	0.0	10	PASS
69	198	0.00	100	35.9	43354	PASS
70	69	0.00	2	0.6	243	PASS
127	198	40	60	45.7	55151	PASS
197	198	0.00	1	0.0	3	PASS
198	198	100	100	100.0	120631	PASS
199	198	5	9	6.8	8242	PASS
275	198	10	30	25.4	30639	PASS
365	198	1	100	2.9	3446	PASS
441	443	0.01	100	6.9	917	PASS
442	198	40	100	61.1	73663	PASS
443	442	17	23	18.2	13379	PASS

J912010

PM 9/18/10

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35841T.D**
Date Acquired **9/17/2010 22:49**

Name	Target Response
Pentachlorophenol	375964.00
Benzidine	1465270.00
DDE	1676.00
DDD	24137
DDT	852693

(0% - 20%)

%DDT BREAKDOWN = 2.94% **OK** ✓

392010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	8.294	266	375964	25.71 ug/ml	99
2) DFTPP	8.812	198	326277	27.01 ug/ml	97
3) Benzidine	9.792	184	1465270	23.68 ug/ml	99
4) DDE	9.973	246	1676	1.14 ug/ml	99
5) DDD	10.293	235	24137	1.50 ug/ml#	71
6) DDT	10.586	235	852693	27.79 ug/ml	99

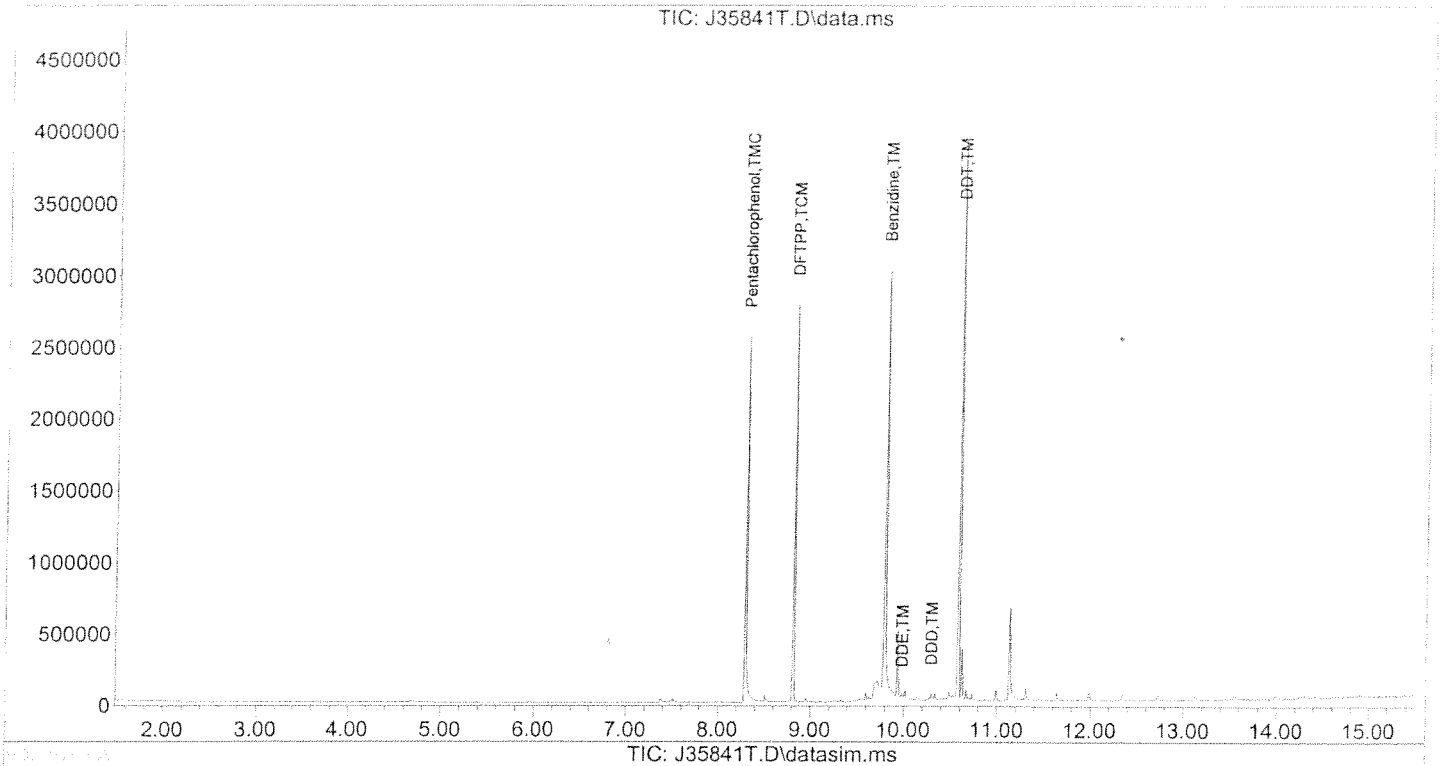
(#) = qualifier out of range (m) = manual integration (+) = signals summed

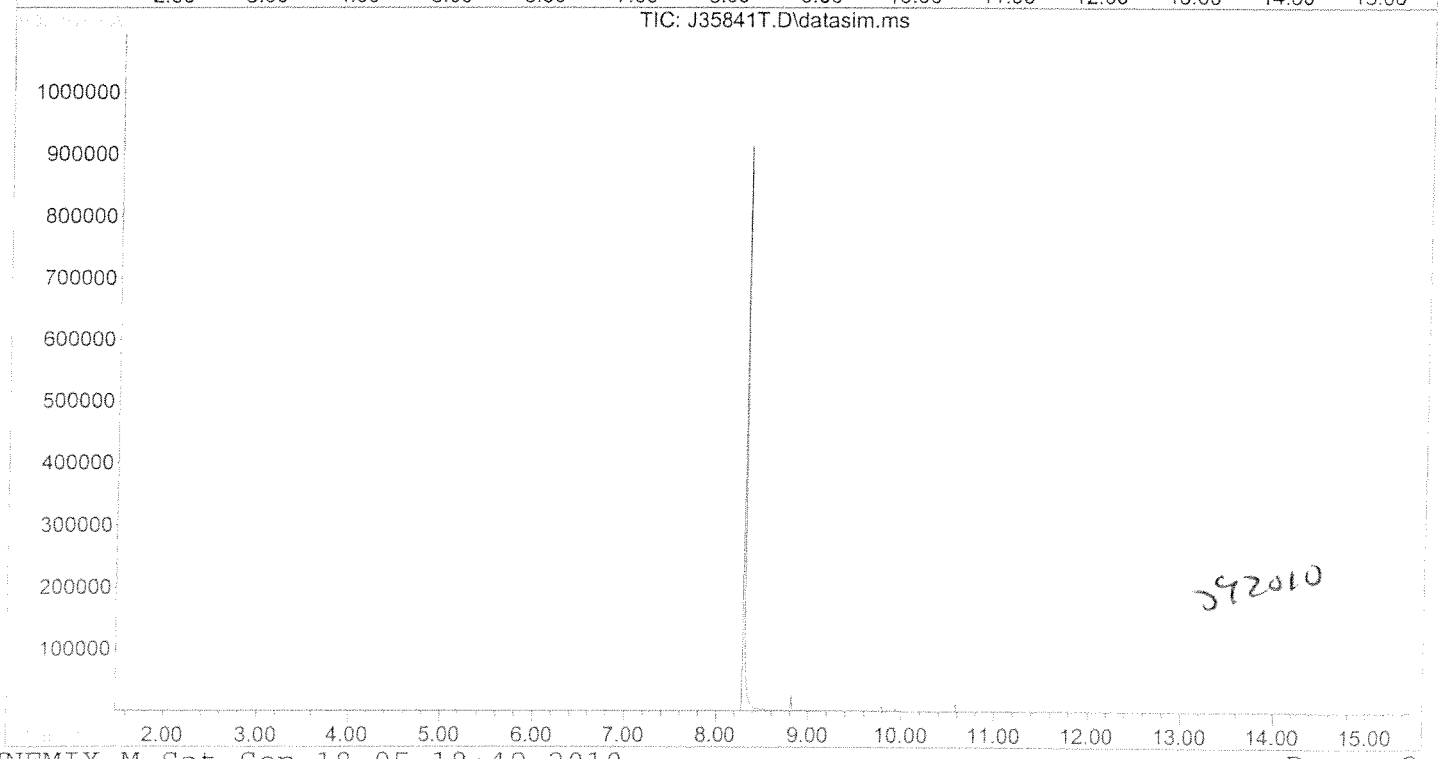
3/92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10





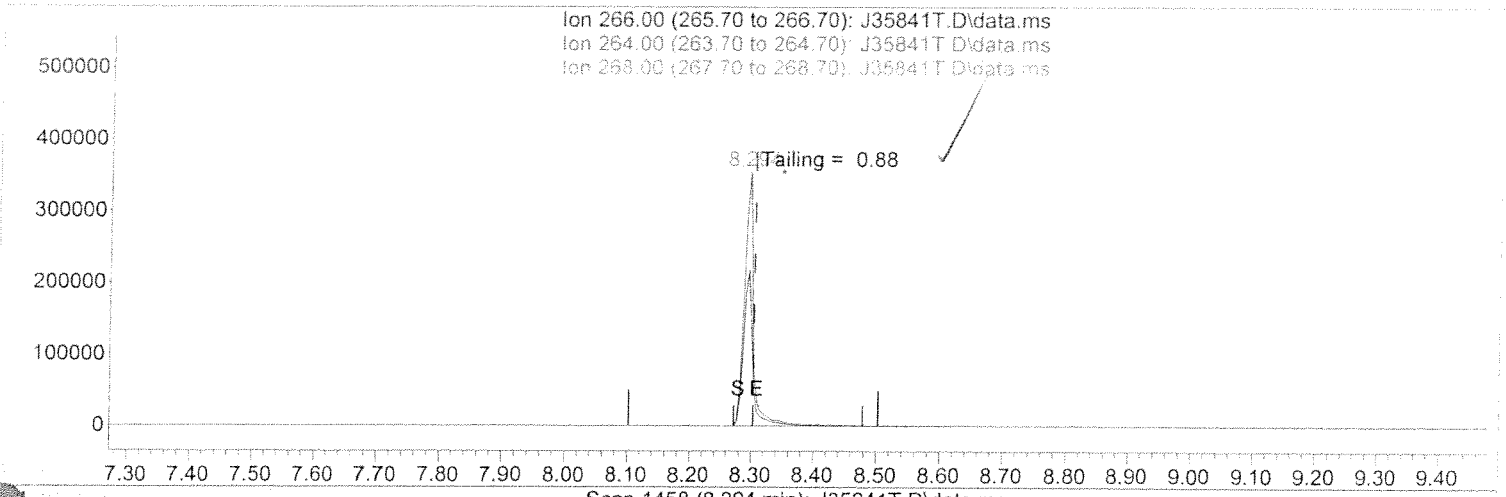
5/2010

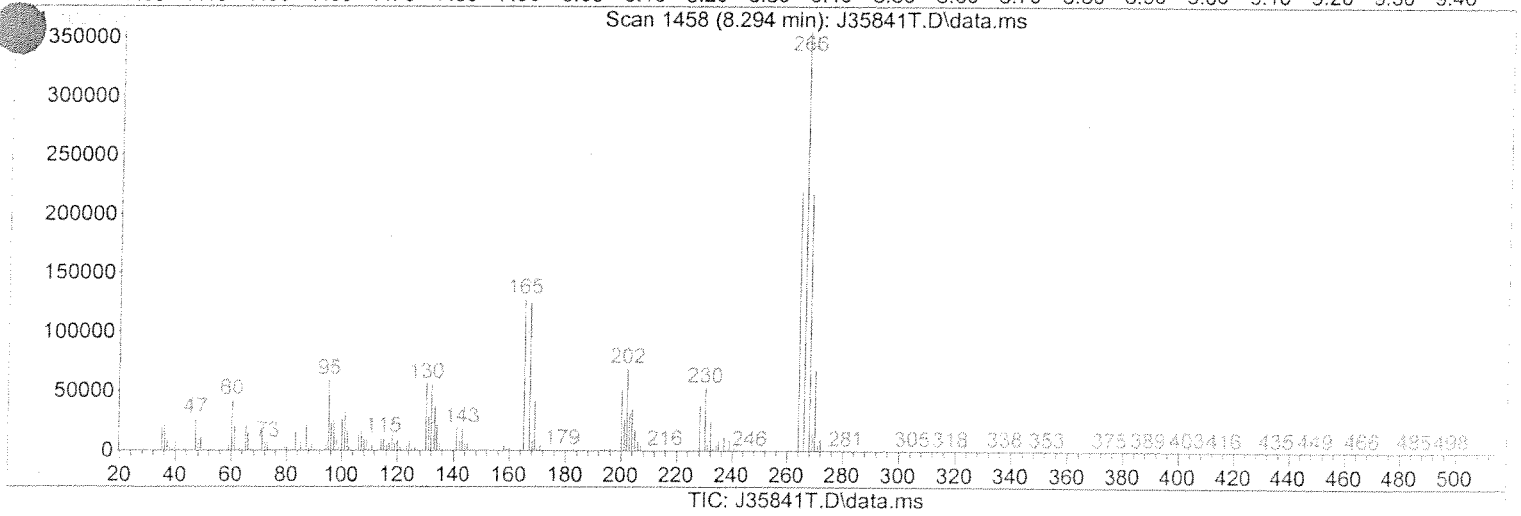
TUNEMIX.M Sat Sep 18 05:18:49 2010 Page: 2

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10





(1) Pentachlorophenol (TMC)

8.294min (-0.009) 25.71ug/ml

response 375964

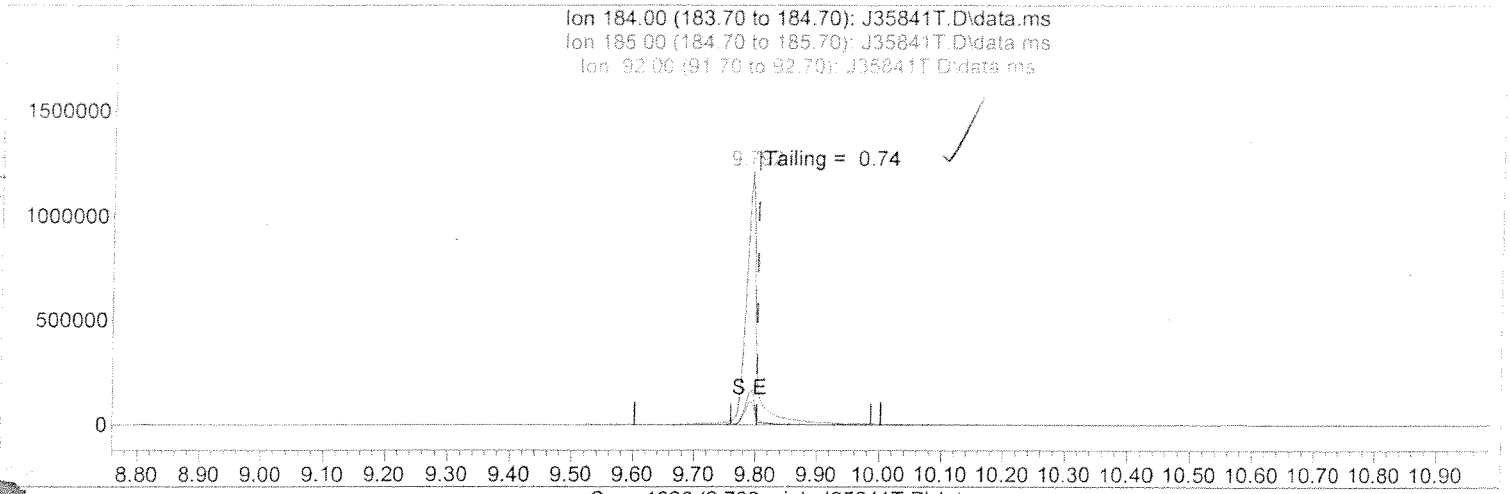
Ion	Exp%	Act%
266.00	100	100
264.00	62.10	62.66
268.00	59.70	61.00
0.00	0.00	0.00

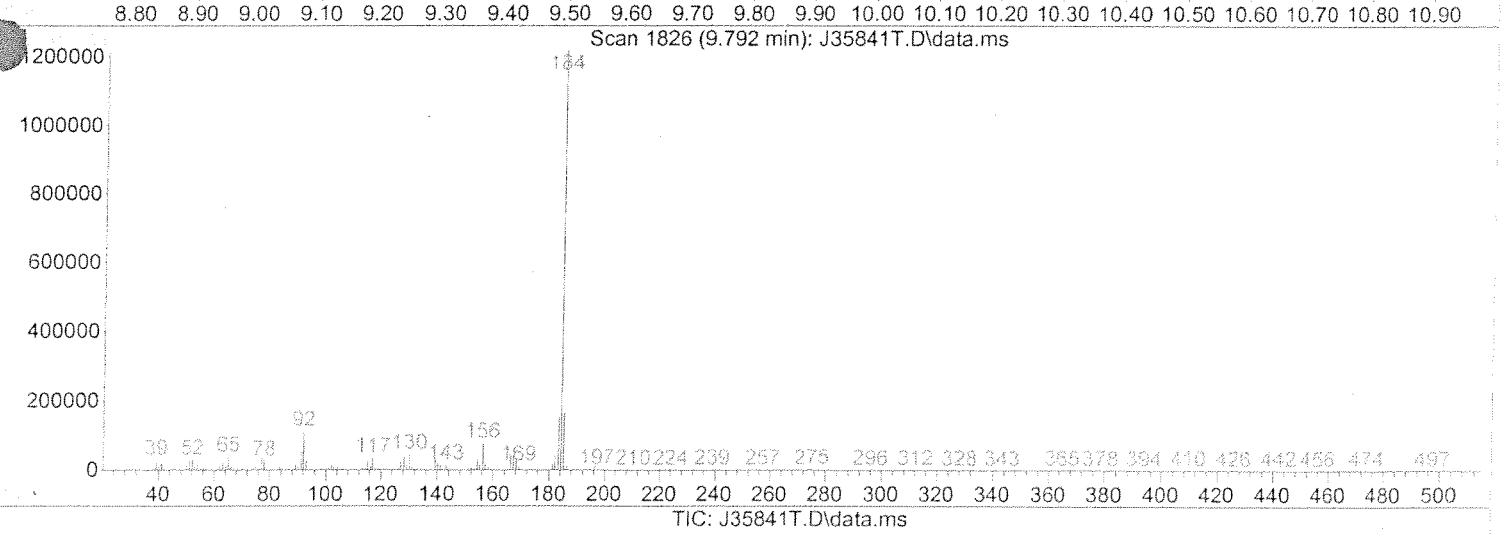
3/92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10





(3) Benzidine (TM)

9.792min (-0.011) 23.68ug/ml

response 1465270

Ion	Exp%	Act%
184.00	100	100
185.00	12.90	13.24
92.00	9.10	9.25
0.00	0.00	0.00

J92010

SEMIVOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967
DFTPP File ID: J36193T.D
DFTPP Injection Date: 10/15/10
DFTPP Injection Time: 3:25

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10156 20/40	J36195SC.D	10/15/10 4:13
B100710AASE,,RR	J36204B.D	10/15/10 7:42
L100710AASE,,RR	J36205Q.D	10/15/10 8:03
LD100710AASE,,RR	J36206Q.D	10/15/10 8:24
67967-4	J36216.D	10/15/10 11:56
67967-4,MS	J36217SP.D	10/15/10 12:16
67967-4,MSD	J36218SP.D	10/15/10 12:37
67967-3	J36219.D	10/15/10 12:58
67967-2	J36220.D	10/15/10 13:19
67967-1	J36221.D	10/15/10 13:40

Refer to the DFTPP report J36193T.D for ion ratio evaluation.

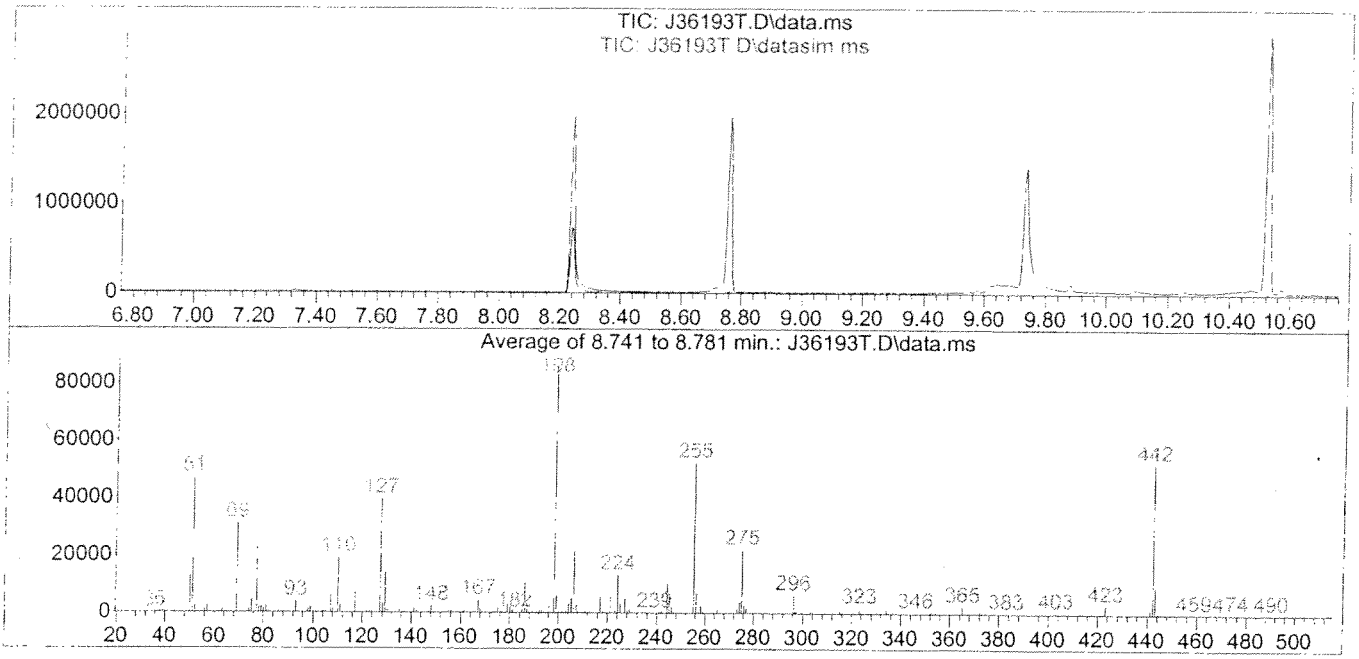
SVOA FORM 5

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIX.M
Title : ABN FULL SCAN
Last Update : Tue Sep 28 04:55:57 2010

10/17/10



Spectrum Information: Average of 8.741 to 8.781 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.5	46966	PASS
68	69	0.00	2	0.1	30	PASS
69	198	0.00	100	36.0	31052	PASS
70	69	0.00	2	0.5	154	PASS
127	198	40	60	46.0	39651	PASS
197	198	0.00	1	0.0	9	PASS
198	198	100	100	100.0	86222	PASS
199	198	5	9	7.0	6035	PASS
275	198	10	30	25.7	22175	PASS
365	198	1	100	3.0	2594	PASS
441	443	0.01	100	19.7	1832	PASS
442	198	40	100	60.6	52230	PASS
443	442	17	23	17.8	9310	PASS

J101810

10/11/10

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S10134 TUNEMIX 50NG**
Data File Name **J36193T.D**
Date Acquired **10/15/2010 3:25**

Name	Target Response
Pentachlorophenol	298350.00
Benzidine	842465.00
DDE	231.00
DDD	152
DDT	626276

(0% - 20%)

%DDT BREAKDOWN = 0.06% **OK** ✓

101810

10/15/2010 5:38 AM

C:\msdchem\custrpt\ABN CUSTRPT\TUNEMIX.CRT

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

MC 10/17/10

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)

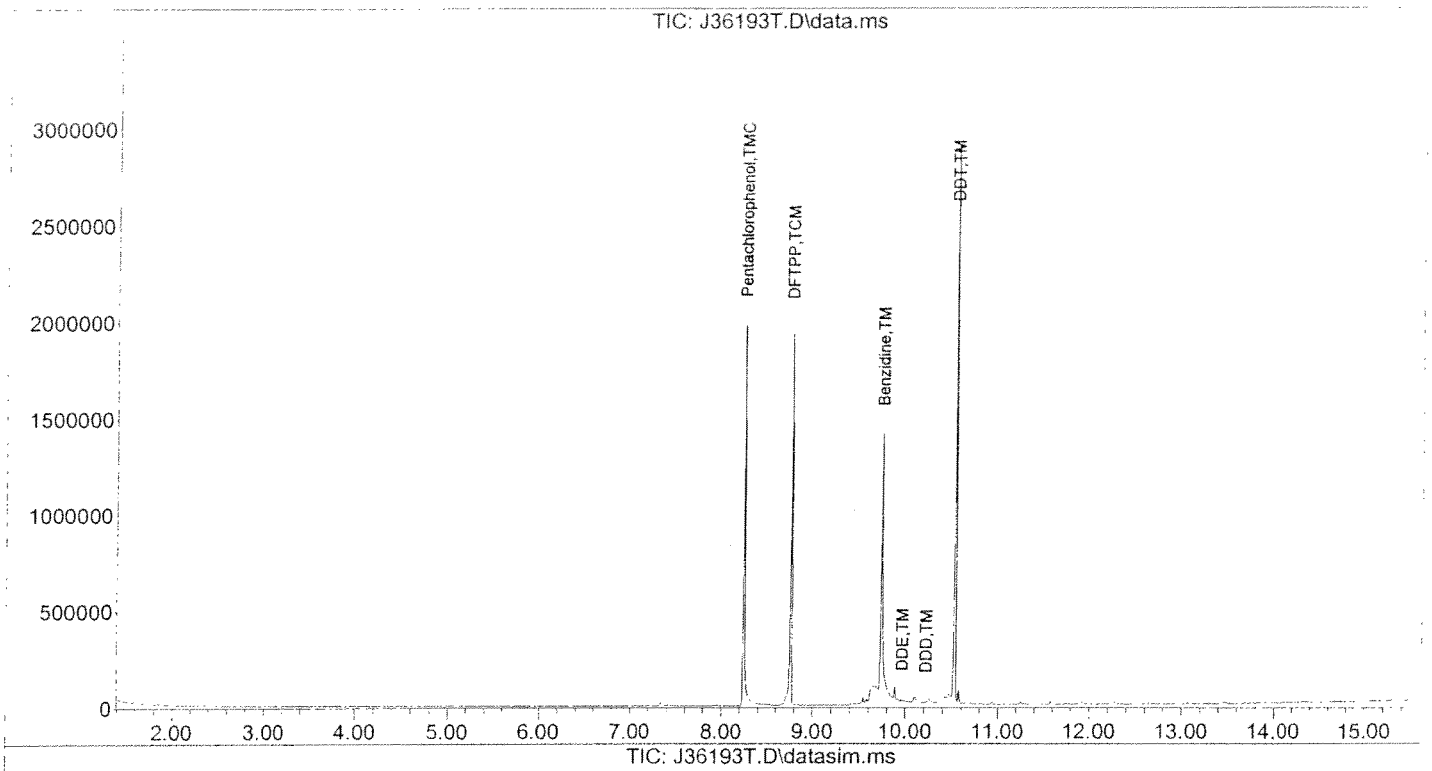
Target Compounds					Qvalue
1) Pentachlorophenol	8.241	266	296299	20.26 ug/ml	100
2) DFTPP	8.759	198	250987	20.78 ug/ml	100
3) Benzidine	9.736	184	817938	13.22 ug/ml	99
4) DDE	9.970	246	231	0.16 ug/ml	100
5) DDD	10.219	235	152	0.01 ug/ml#	1
6) DDT	10.525	235	626416	20.41 ug/ml	100

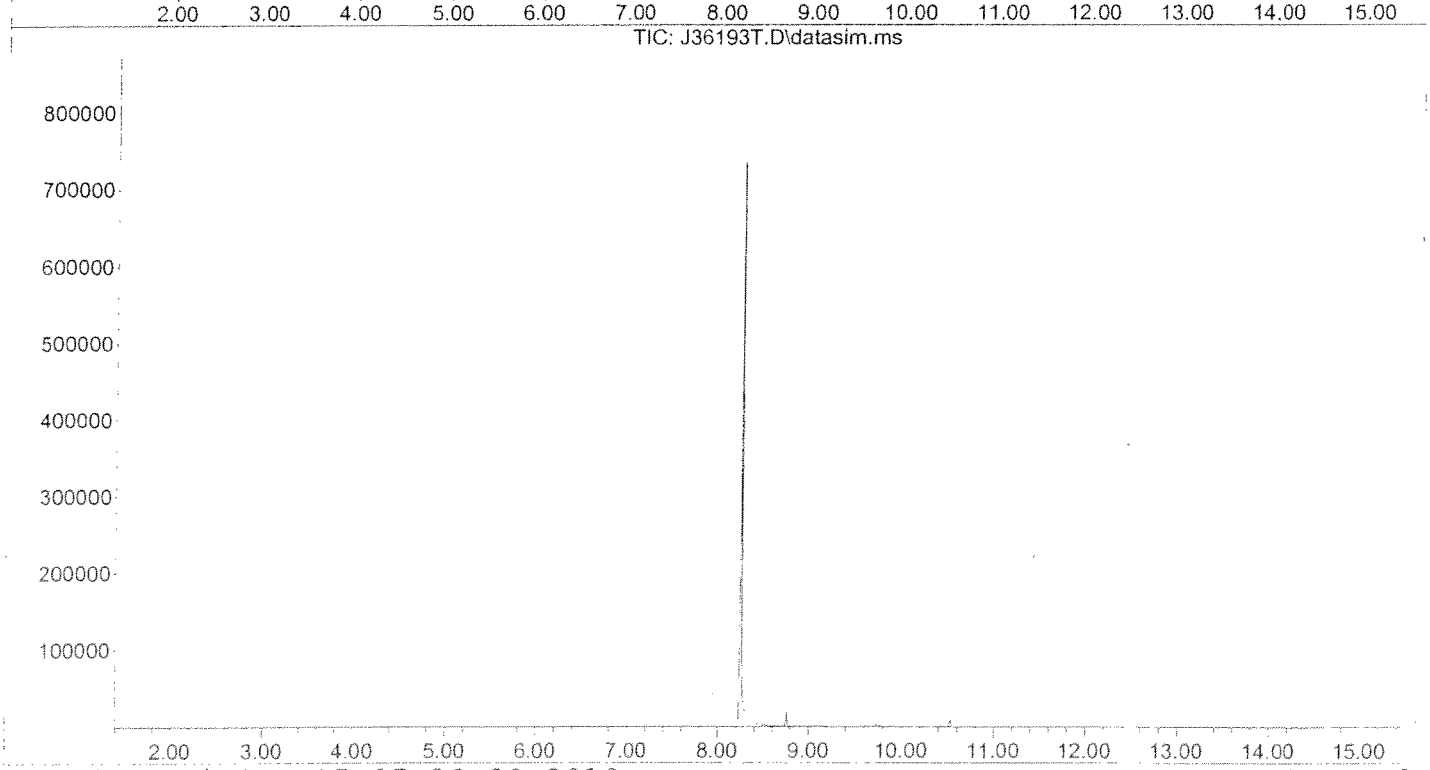
(#) = qualifier out of range (m) = manual integration (+) = signals summed

5101810

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration

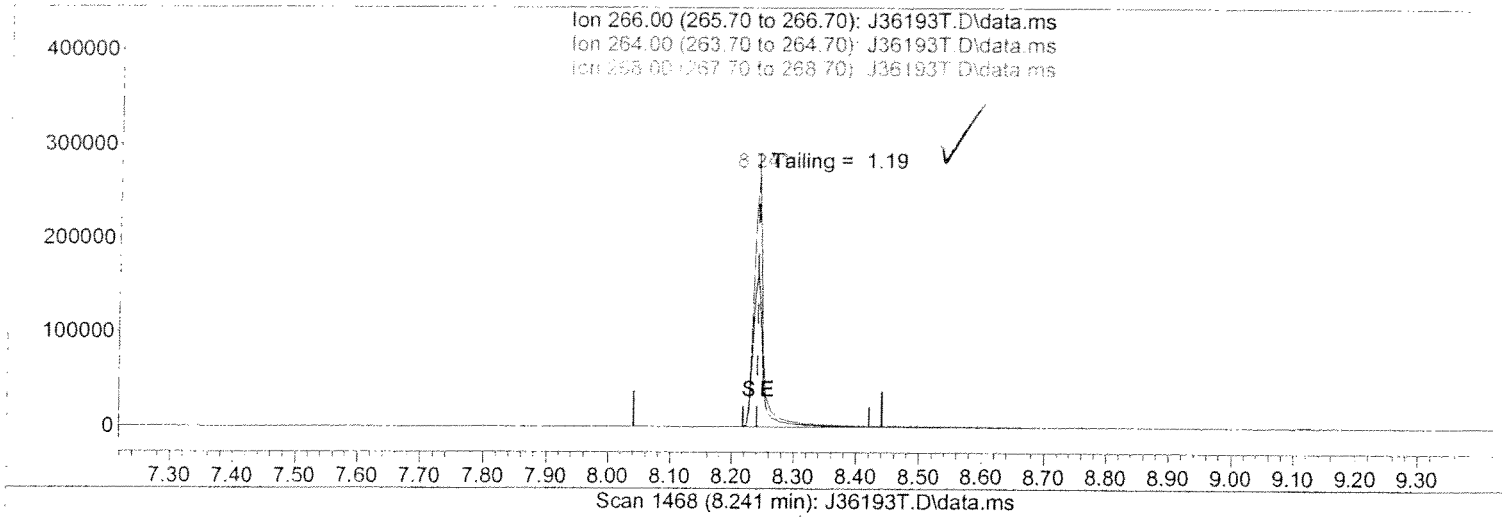


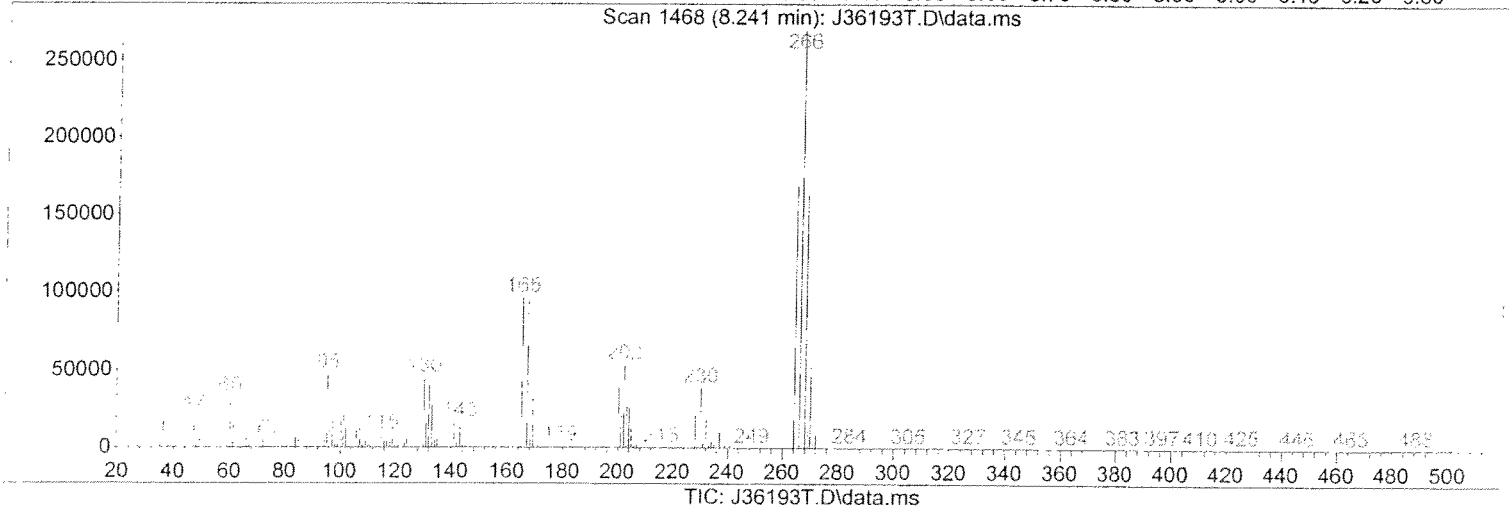


Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration

10/17/10





(1) Pentachlorophenol (TMC)

8.241min (0.000) 20.26ug/ml

response 296299

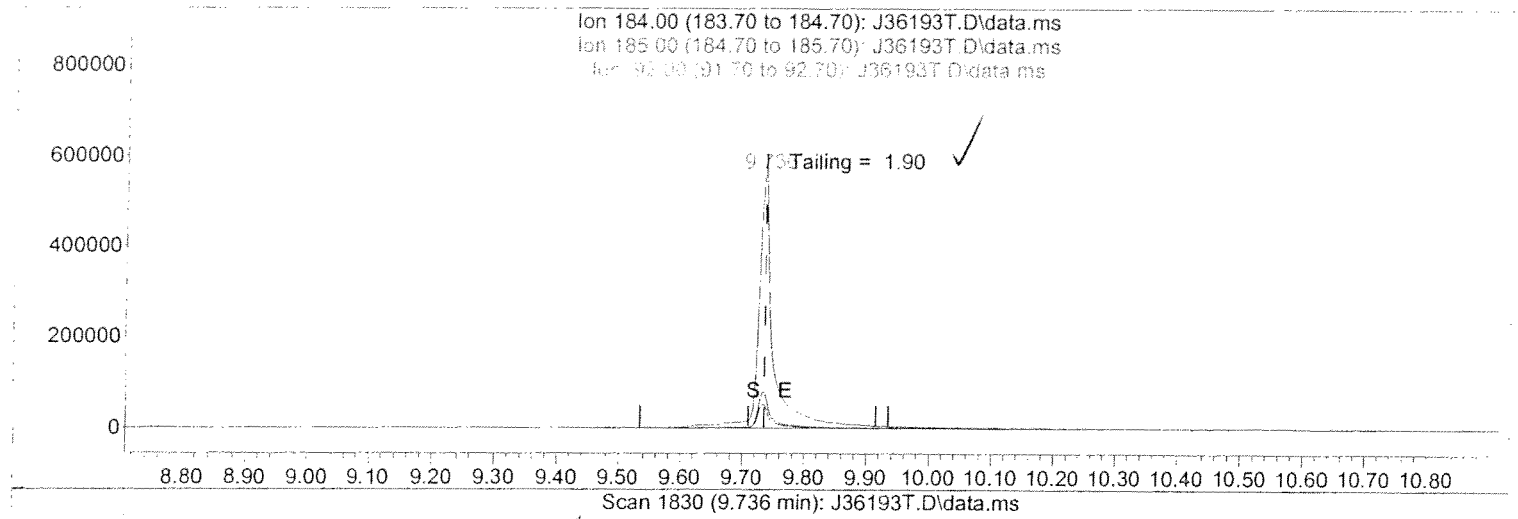
Ion	Exp%	Act%
266.00	100	100
264.00	63.20	63.17
268.00	61.30	61.35
0.00	0.00	0.00

3/01810

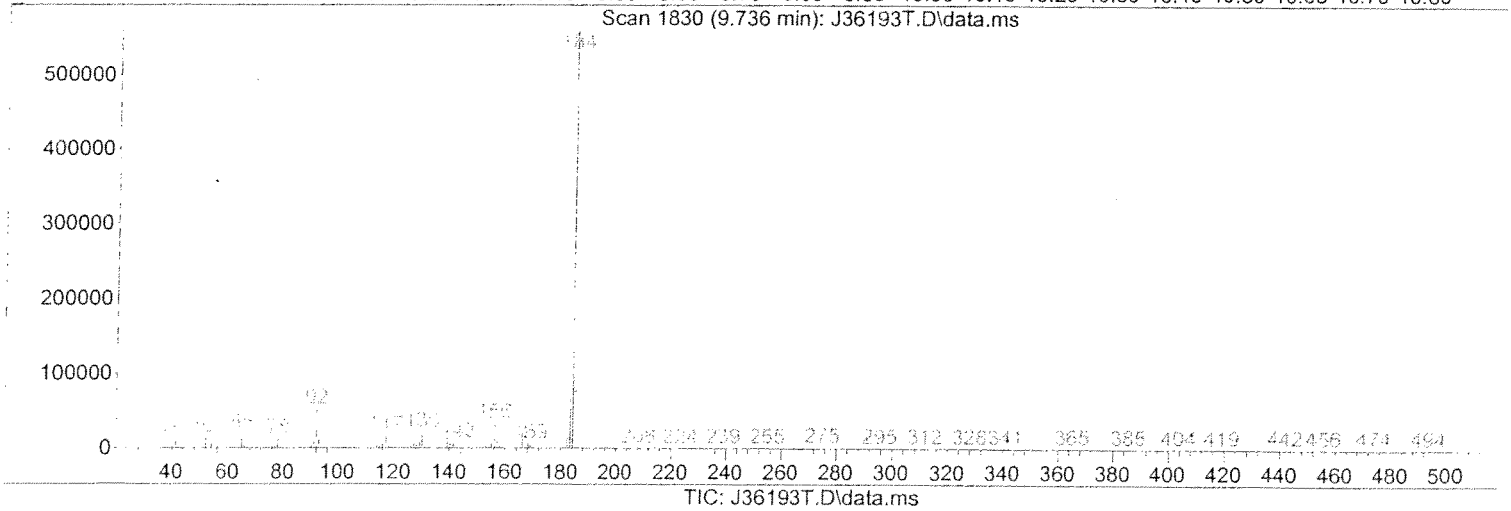
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

10/17/10

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration



Scan 1830 (9.736 min): J36193T.D\data.ms



TIC: J36193T.D\data.ms

(3) Benzidine (TM)

9.736min (0.000) 13.22ug/ml

response 817938

Ion	Exp%	Act%
184.00	100	100
185.00	14.60	14.47
92.00	9.50	9.80
0.00	0.00	0.00

J101810

Method Path : C:\msdchem\1\METHODS\
Method File : ABN091710.M
Title : ABN FULL SCAN
Last Update : Sat Sep 18 04:59:49 2010
Response Via : Initial Calibration

9/18/10

Calibration Files
2 =J35847SI.D 4 =J35848SI.D 10 =J35849SI.D 20 =J35850SI.D 40 =J35851SI.D 50 =J35852SI.D
100 =J35853SI.D

		Compound	2	4	10	20	40	50	100	Avg	%RSD
1)	I	d4-1,4-dichloroben...	----------ISTD----------								
2)	TM	Pyridine	1.225	1.254	1.295	1.326	1.332	1.355	1.328	1.302	3.61
3)	TM	N-nitrosodimet...	0.643	0.688	0.705	0.720	0.739	0.741	0.721	0.708	4.85
4)	S	2-Fluorophenol	1.146	1.175	1.188	1.206	1.192	1.180	1.100	1.170	3.08
5)	S	d5-Phenol	1.419	1.463	1.440	1.409	1.328	1.300	1.198	1.365	6.91
6)	TM	Aniline	1.944	1.931	1.905	1.883	1.796	1.772	1.678	1.844	5.34
7)	TMC	Phenol	1.481	1.511	1.484	1.435	1.351	1.326	1.215	1.400	7.68
8)	TM	2-Chlorophenol	1.321	1.314	1.296	1.245	1.186	1.168	1.065	1.228	7.65
9)	TM	bis(2-chloroet...	1.138	1.092	1.177	1.219	1.244	1.267	1.131	1.181	5.48
0)	TM	1,3-Dichlorobe...	1.631	1.675	1.632	1.614	1.575	1.530	1.419	1.582	5.41
1)	TMC	1,4-Dichlorobe...	1.584	1.572	1.536	1.554	1.492	1.487	1.371	1.514	4.82
2)	TM	1,2-Dichlorobe...	1.548	1.617	1.584	1.559	1.520	1.498	1.390	1.531	4.80
3)	TM	Benzyl Alcohol	0.520	0.630	0.682	0.689	0.714	0.711	0.722	0.667	10.74
4)	TM	2-Methylphenol	1.096	1.144	1.041	1.036	0.927	0.916	0.827	0.998	11.21
5)	TM	bis(2-chlorois...	3.031	3.041	2.739	2.527	2.166	2.013	1.783	2.471	20.16 Q
6)	TM	3+4-Methylphenol	1.060	1.132	1.066	1.035	0.878	0.852	0.834	0.980	12.35
7)	TM	Hexachloroethane	0.588	0.585	0.564	0.542	0.447	0.403	0.424	0.508	15.73 Q
8)	TMP	N-nitroso-di-n...	0.715	0.702	0.721	0.726	0.680	0.628	0.545	0.674	9.78
9)	I	d8-Naphthalene	----------ISTD----------								
0)	S	d5-nitrobenzene	0.380	0.377	0.369	0.345	0.327	0.322	0.297	0.345	9.15
1)	TM	Nitrobenzene	0.207	0.209	0.207	0.192	0.185	0.183	0.165	0.193	8.45
2)	TM	Isophorone	0.652	0.685	0.687	0.642	0.638	0.624	0.567	0.642	6.36
3)	TCM	2-Nitrophenol	0.234	0.244	0.252	0.237	0.222	0.217	0.193	0.228	8.56
4)	TM	2,4-Dimethylph...	0.394	0.401	0.414	0.377	0.354	0.348	0.319	0.372	9.08
5)	TM	Bis(2-chloroet...	0.448	0.443	0.455	0.444	0.430	0.429	0.401	0.436	4.11
6)	TCM	2,4-Dichloroph...	0.373	0.370	0.387	0.350	0.323	0.318	0.285	0.344	10.60
7)	TM	Benzoic Acid	0.104	0.120	0.176	0.194	0.229	0.231	0.246	0.186	30.10 Q
8)	TM	1,2,4-Trichlor...	0.463	0.444	0.445	0.415	0.397	0.391	0.358	0.416	8.88
9)	TM	Naphthalene	1.147	1.162	1.106	1.084	1.031	1.011	0.887	1.061	8.94
0)	T	2,6-Dichloroph...	0.345	0.349	0.320	0.312	0.292	0.285	0.250	0.308	11.36

J92010

Method Path : C:\msdchem\1\METHODS\
Method File : ABN091710.M
Title : ABN FULL SCAN

1)	TM	4-Chloroaniline	0.517	0.534	0.502	0.477	0.413	0.393	0.329	0.452	16.72 Q
2)	TCM	Hexachlorobuta...	0.259	0.267	0.254	0.249	0.235	0.228	0.205	0.242	8.83
3)	TMC	4-Chloro-3-met...	0.319	0.336	0.322	0.312	0.289	0.281	0.249	0.301	9.91
4)	TM	2-Methylnaphth...	0.718	0.698	0.664	0.661	0.606	0.588	0.518	0.636	10.94
5)	I	d10-Acenaphthene	----------ISTD----------								
6)	TPM	Hexachlorocycl...	0.224	0.301	0.367	0.408	0.407	0.404	0.368	0.354	19.37 Q
7)	TCM	2,4,6-Trichlor...	0.440	0.464	0.444	0.443	0.406	0.389	0.359	0.421	8.81
8)	TM	2,4,5-Trichlor...	0.518	0.520	0.526	0.513	0.469	0.448	0.373	0.481	11.64
9)	S	2-Fluorobiphenyl	1.506	1.515	1.387	1.330	1.174	1.105	0.940	1.280	16.81 Q
0)	TM	2-Chloronaphth...	1.408	1.340	1.258	1.202	1.074	1.023	0.901	1.172	15.47 Q
1)	TM	2-Nitroaniline	0.485	0.522	0.539	0.558	0.542	0.532	0.487	0.524	5.33
2)	TM	2,6-Dinitrotol...	0.330	0.360	0.366	0.370	0.327	0.313	0.277	0.335	9.97
3)	TM	Dimethyl Phtha...	1.662	1.675	1.586	1.596	1.448	1.401	1.255	1.517	10.22
4)	TM	Acenaphthylene	2.159	2.151	1.990	1.980	1.792	1.689	1.449	1.887	13.75
5)	TM	3-Nitroaniline	0.336	0.364	0.305	0.283	0.270	0.261	0.248	0.295	14.29
6)	TMC	Acenaphthene	1.318	1.343	1.261	1.226	1.149	1.078	0.933	1.187	12.22
7)	TPM	2,4-dinitrophenol	0.029	0.075	0.146	0.182	0.212	0.212	0.207	0.152	48.19 Q
8)	TM	Dibenzofuran	2.095	2.190	2.104	2.006	1.844	1.756	1.518	1.930	12.31
9)	TMP	4-Nitrophenol	0.123	0.153	0.173	0.178	0.168	0.163	0.150	0.158	11.77
0)	TM	2,4-Dinitrotol...	0.446	0.472	0.464	0.444	0.404	0.396	0.357	0.426	9.78
1)	T	2,3,4,6-Tetrac...	0.381	0.413	0.418	0.405	0.385	0.371	0.333	0.387	7.53
2)	TM	Fluorene	1.645	1.628	1.550	1.437	1.322	1.276	1.092	1.421	14.33
3)	TM	Diethyl Phthalate	1.652	1.625	1.551	1.493	1.331	1.268	1.114	1.433	14.01
4)	TM	4-Chlorophenyl...	0.821	0.805	0.778	0.724	0.678	0.631	0.520	0.708	15.19 Q
5)	TM	4-Nitroaniline	0.255	0.185	0.244	0.283	0.322	0.320	0.288	0.271	17.79 Q
6)	TM	4,6-Dinitro-2-...	0.145	0.213	0.268	0.282	0.290	0.274	0.254	0.246	20.85 Q
7)	TCM	n-nitrosodiphe...	1.150	1.174	1.123	1.064	0.958	0.935	0.802	1.030	13.22
8)	TM	Azobenzene	1.324	1.362	1.315	1.234	1.219	1.175	0.978	1.230	10.51
9)	TM	Biphenyl	1.685	1.693	1.563	1.490	1.267	1.189	1.015	1.415	18.50 Q
0)	S	2,4,6-Tribromo...	0.203	0.230	0.224	0.223	0.219	0.212	0.195	0.215	5.78
1)	I	d10-Phenanthrene	----------ISTD----------								
2)	TM	4-bromophenyl ...	0.273	0.285	0.283	0.269	0.260	0.249	0.234	0.265	6.95
3)	TM	Hexachlorobenzene	0.308	0.303	0.293	0.278	0.281	0.270	0.251	0.283	6.95
4)	TMC	Pentachlorophenol	—	0.145	0.170	0.174	0.178	0.177	0.163	0.168	7.28
5)	TM	Phenanthrene	1.278	1.278	1.204	1.149	1.117	1.090	1.011	1.161	8.54
6)	TM	Anthracene	1.342	1.338	1.274	1.203	1.122	1.087	0.986	1.193	11.29
7)	TM	Carbazole	1.134	1.033	0.802	0.697	0.659	0.651	0.669	0.806	24.55 Q
8)	TM	Di-n-butyl pht...	1.522	1.553	1.521	1.427	1.356	1.299	1.202	1.411	9.33
9)	TCM	Fluoranthene	1.455	1.504	1.399	1.281	1.194	1.151	1.055	1.291	12.99

9/18/10

9-29-2010

Method Path : C:\msdchem\1\METHODS\
Method File : ABN091710.M
Title : ABN FULL SCAN

0)	TM	Benzidine	0.160	0.188	0.230	0.263	0.261	0.238	0.165	0.215	20.35
1)	I	d12-Chrysene	----------ISTD----------								
2)	TM	Pyrene	1.422	1.458	1.374	1.338	1.278	1.245	1.210	1.332	6.94
3)	S	d14-p-terphenyl	0.805	0.814	0.751	0.714	0.693	0.671	0.648	0.728	8.85
4)	TM	Butyl benzyl p...	0.628	0.657	0.652	0.652	0.637	0.625	0.596	0.635	3.36
5)	TM	Benzo[a]anthra...	1.178	1.195	1.105	1.108	1.087	1.088	1.060	1.117	4.47
6)	TM	Chrysene	1.171	1.184	1.129	1.117	1.105	1.075	1.039	1.117	4.54
7)	TM	3,3'-Dichlorob...	0.335	0.341	0.296	0.282	0.269	0.266	0.260	0.293	11.38
8)	TM	Bis (2-ethylhe...	0.820	0.856	0.836	0.829	0.806	0.799	0.753	0.814	4.05
9)	I	d12-Perylene	----------ISTD----------								
0)	TCM	di-n-octyl-pht...	1.533	1.598	1.599	1.549	1.498	1.441	1.316	1.505	6.66
1)	TM	Benzo[b] fluor...	1.240	1.217	1.215	1.125	1.150	1.179	1.343	1.210	5.90
2)	TM	Benzo[k] fluor...	1.271	1.283	1.177	1.185	1.019	1.018	0.720	1.096	17.99 Q
3)	TCM	Benzo[a] pyrene	1.225	1.243	1.221	1.165	1.134	1.104	1.041	1.162	6.37
4)	TM	Indeno [1,2,3-...	0.866	0.932	0.978	0.958	1.002	1.066	0.948	0.964	6.39
5)	TM	Dibenz [a,h] a...	1.010	1.032	1.015	0.976	0.978	1.008	0.868	0.984	5.56
6)	TM	Benzo(g,h,i) ...	1.154	1.125	1.086	1.027	1.017	1.073	0.889	1.053	8.30

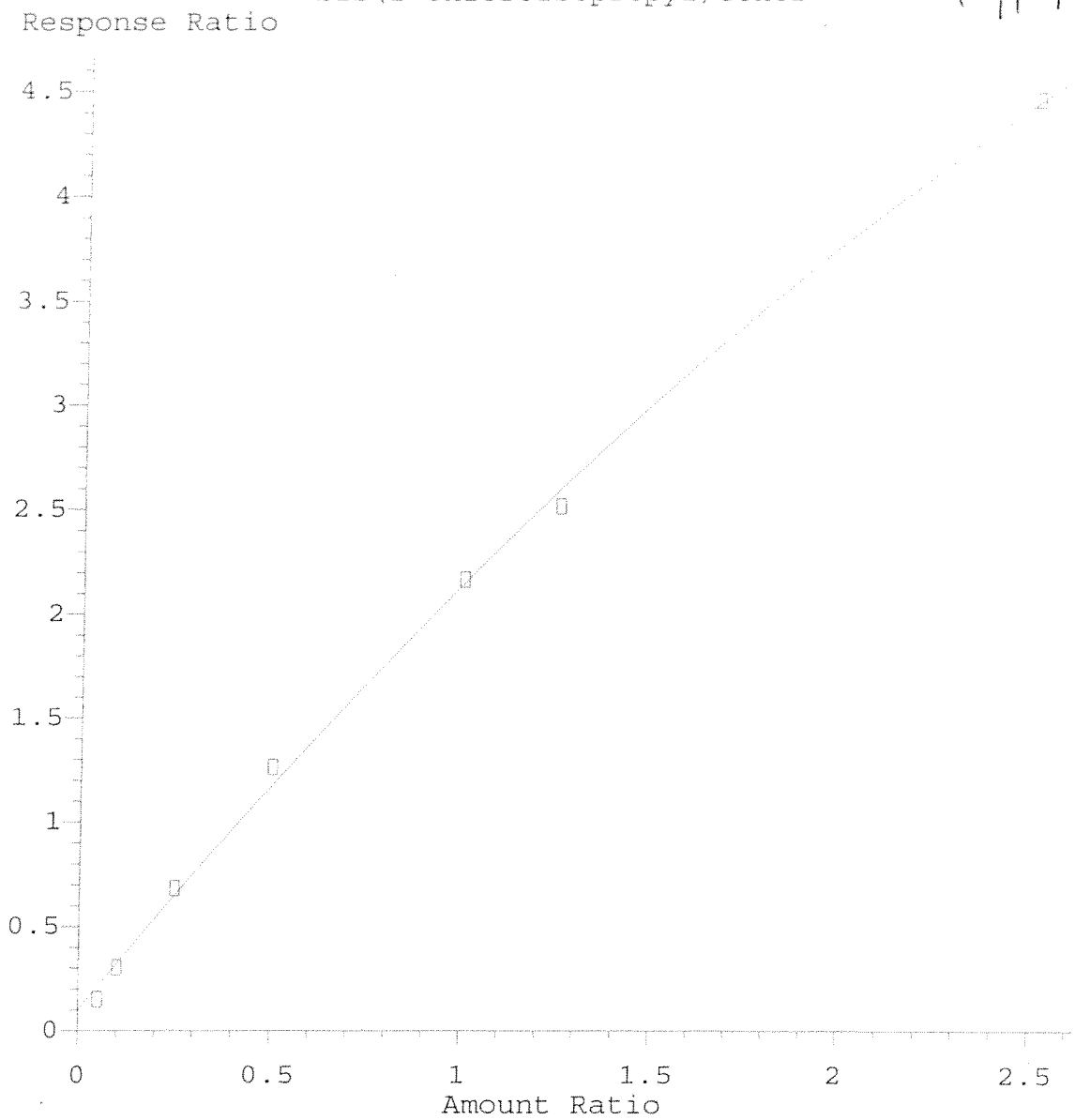
#) = Out of Range

PK 9/18/10

092010

9/22/10

bis(2-chloroisopropyl)ether

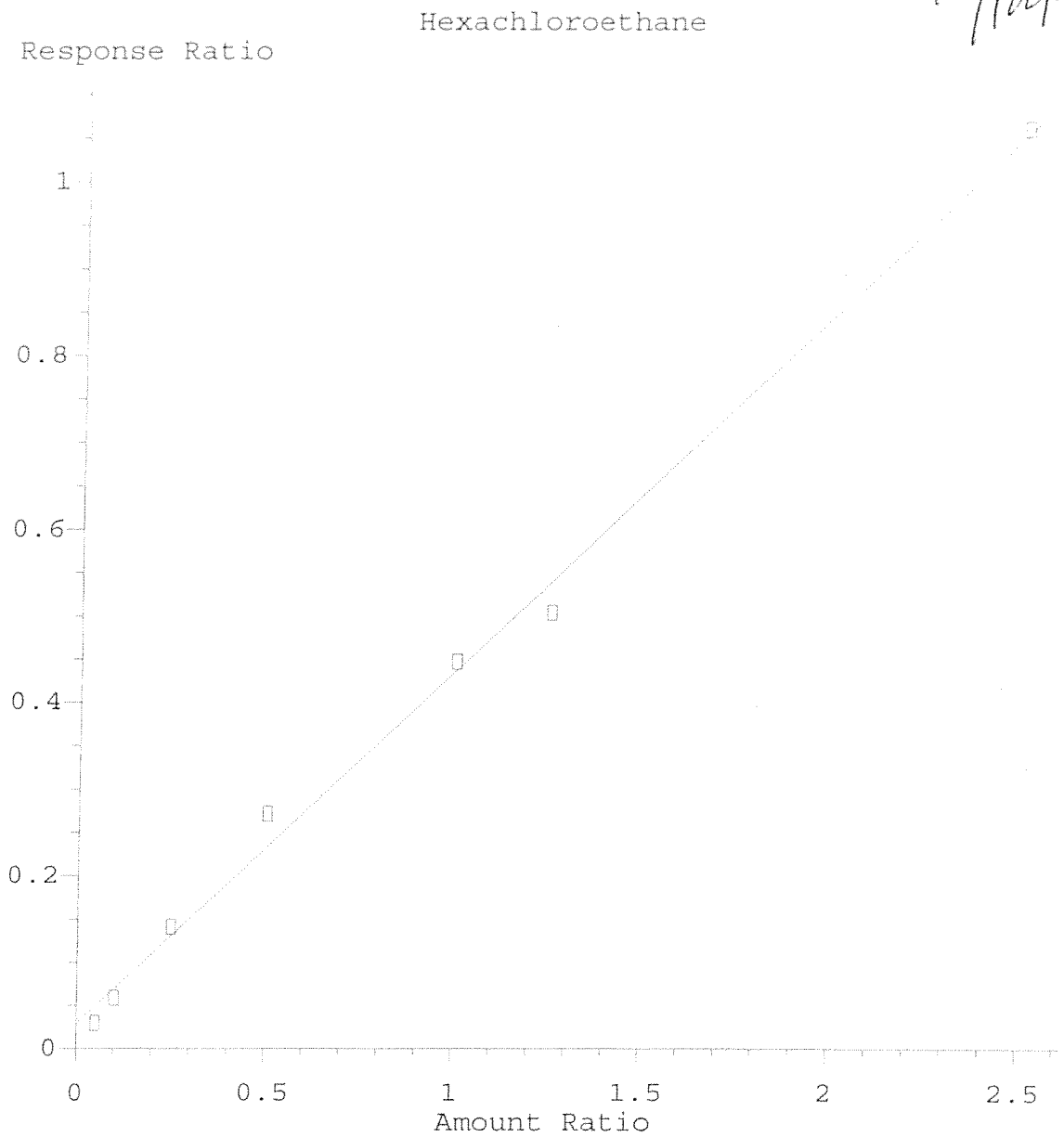


R = -2.08e-001 A*A + 2.26e+000 A + 9.77e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 04:59:49 2010

J92210

MN 9/22/10

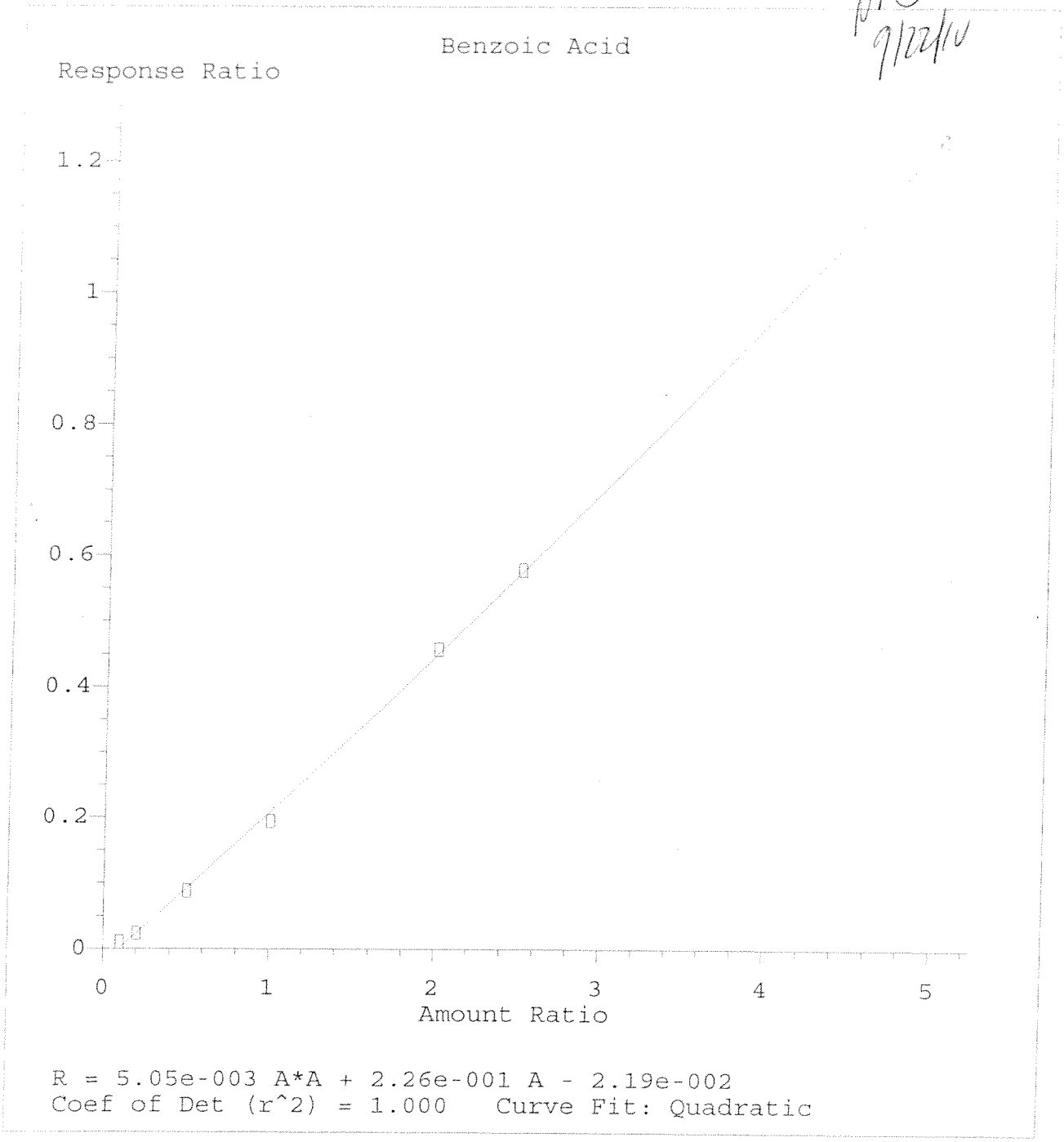


R = 1.61e-003 A*A + 4.07e-001 A + 2.84e-002
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:05:35 2010

592210

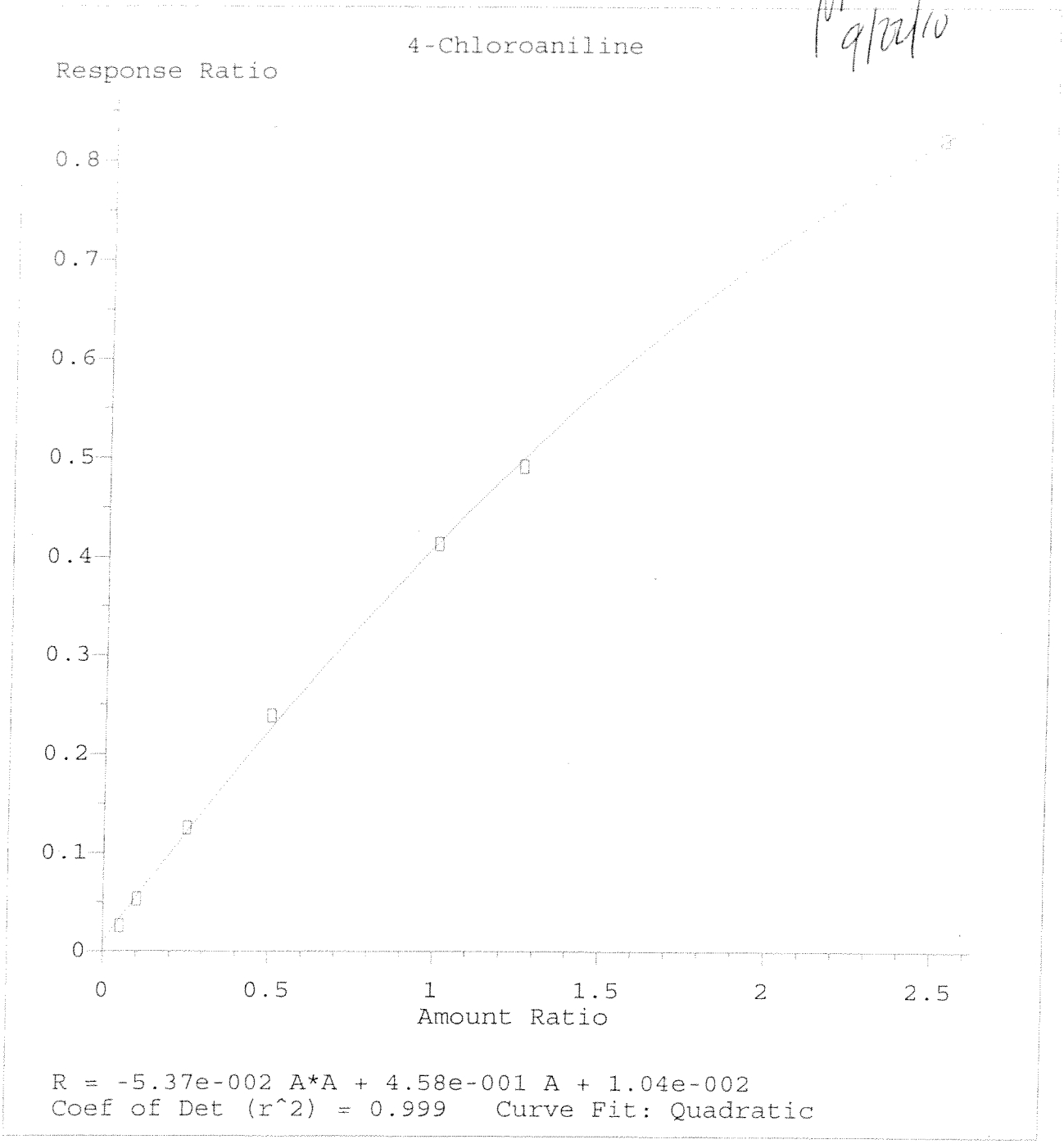
AN 9/22/10



Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:05:44 2010

S92210

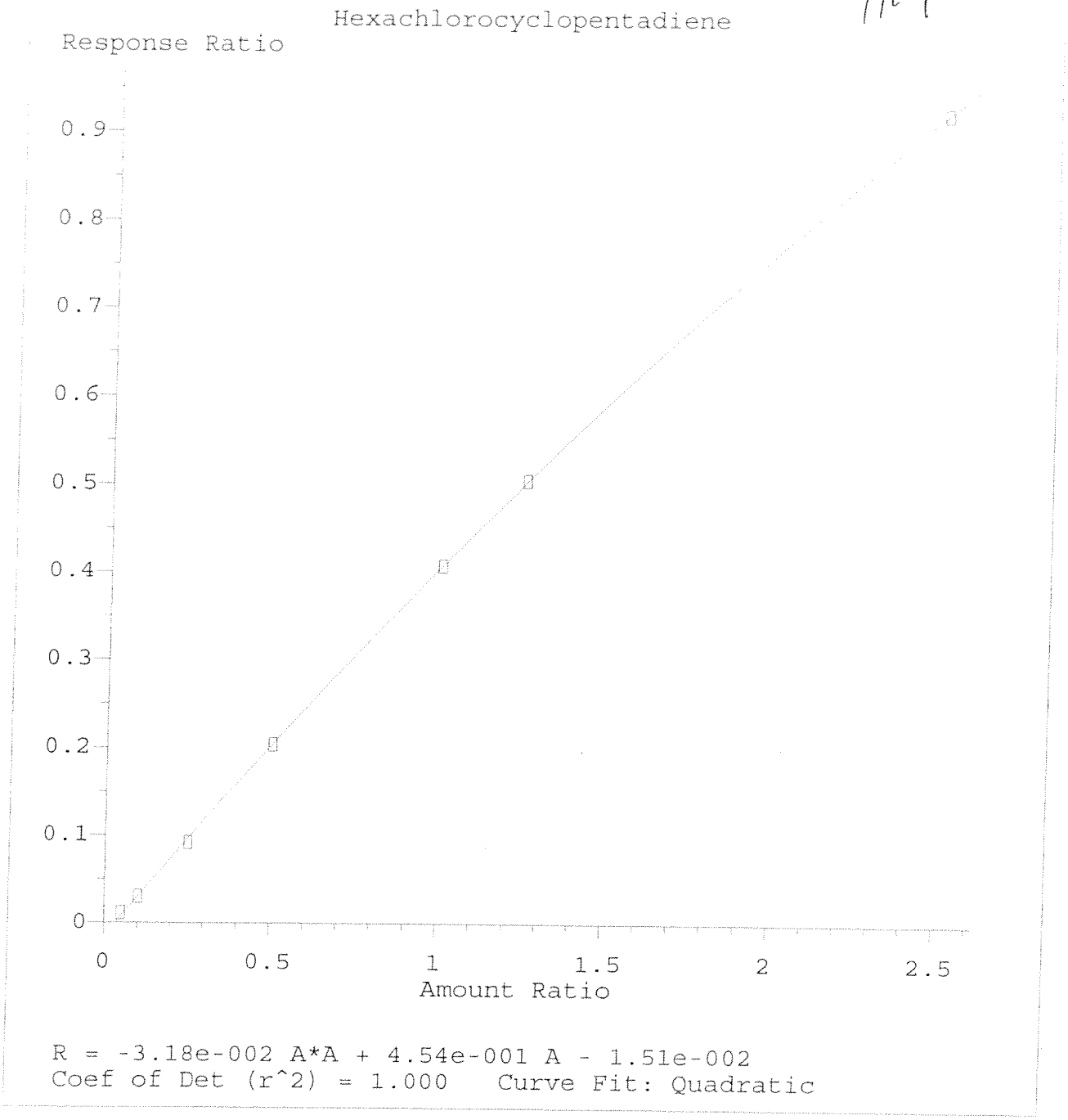
9/22/10



Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:05:54 2010

S92210

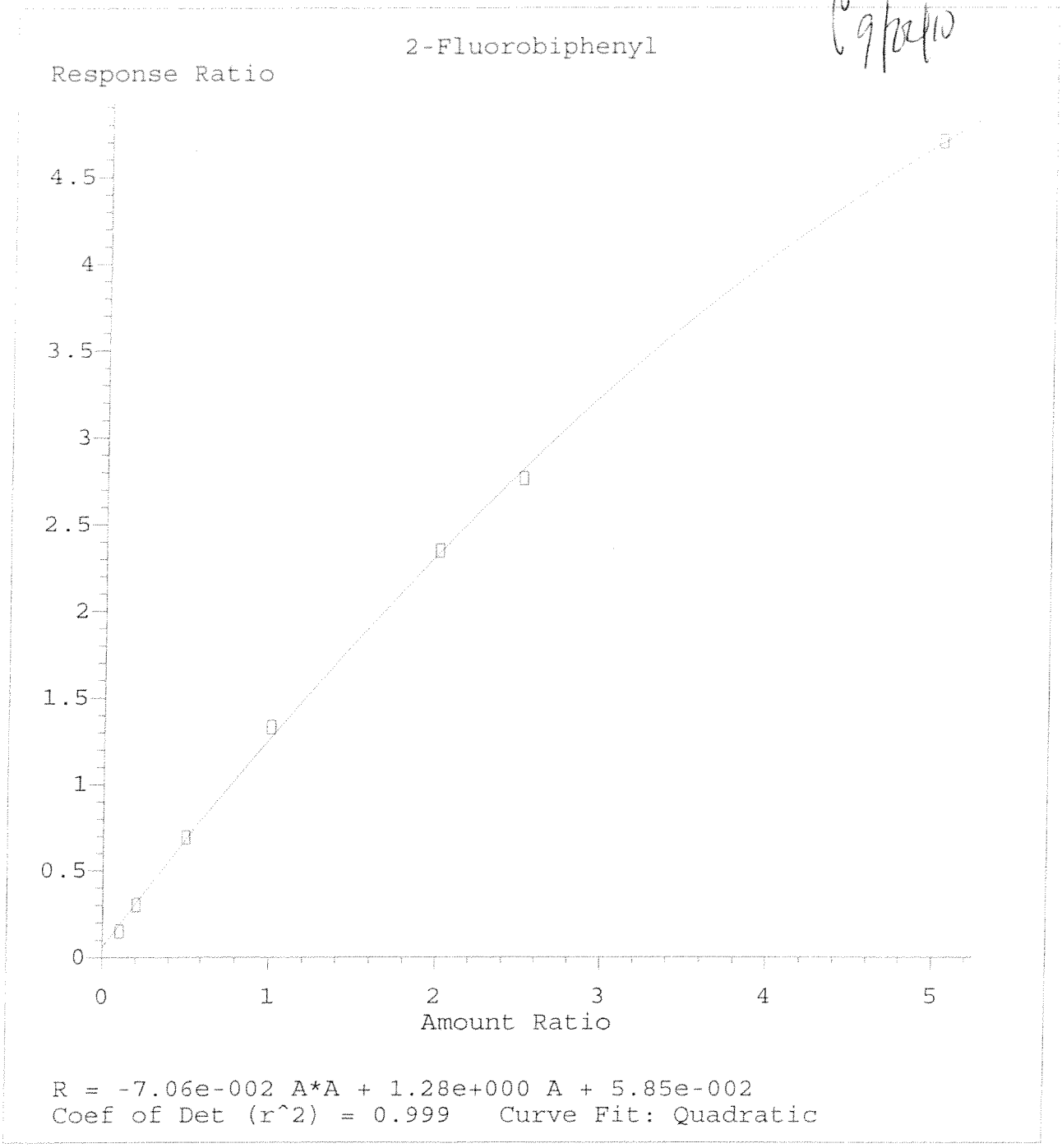
9/22/10



Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:02 2010

J92210

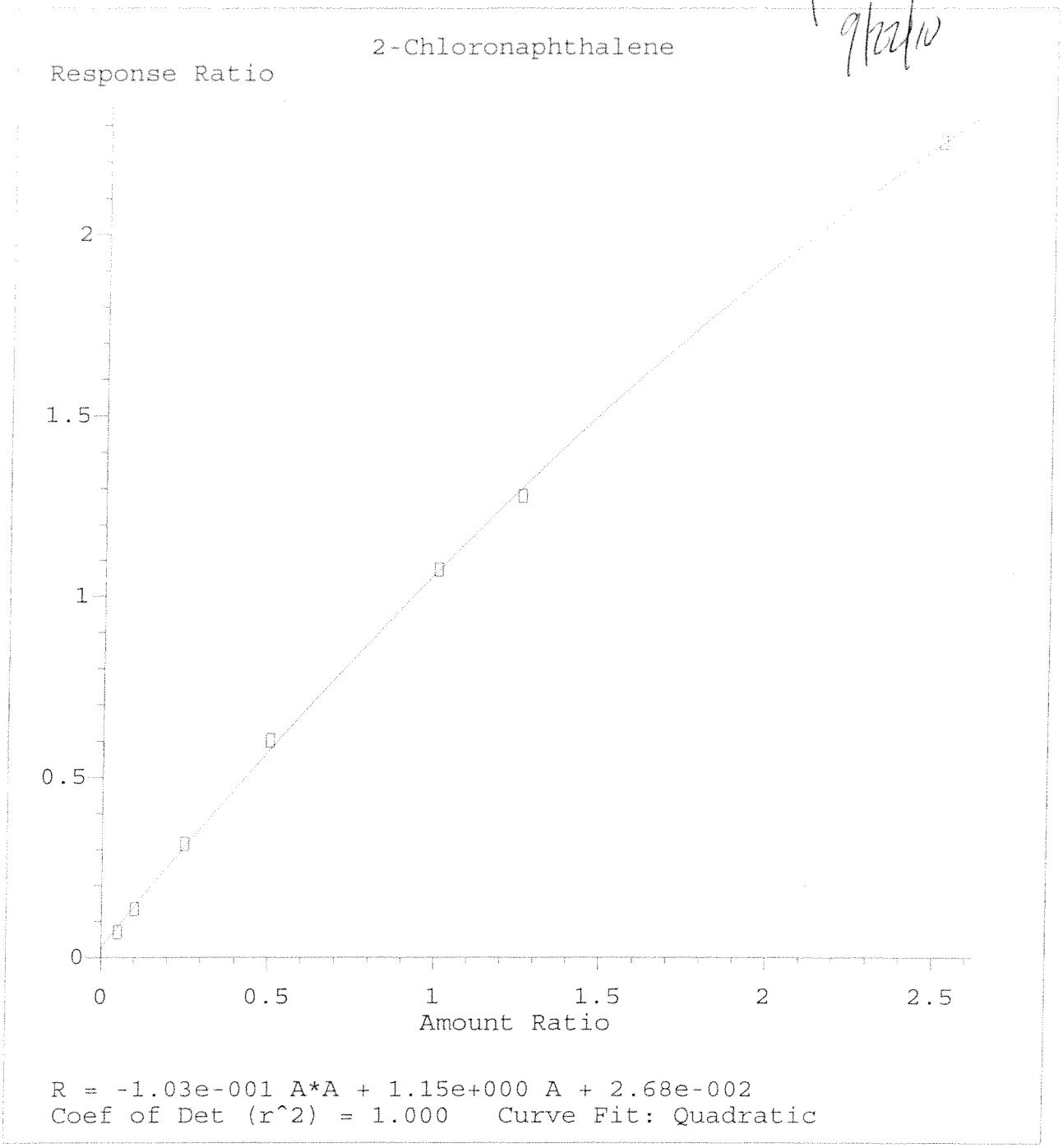
9/22/10



Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:10 2010

092210

9/22/10

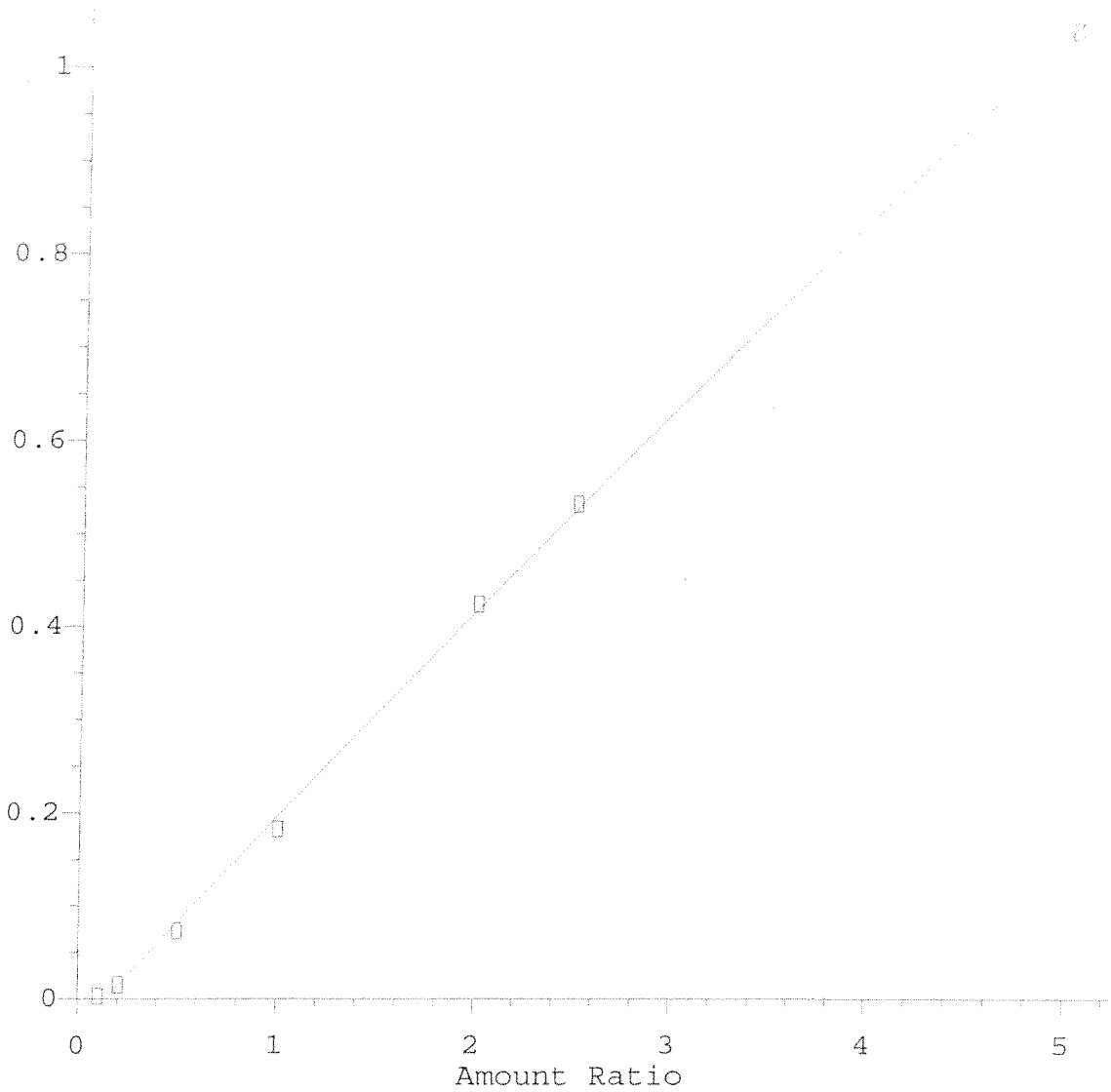


Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:18 2010

S92210

OK 9/22/10

2,4-dinitrophenol

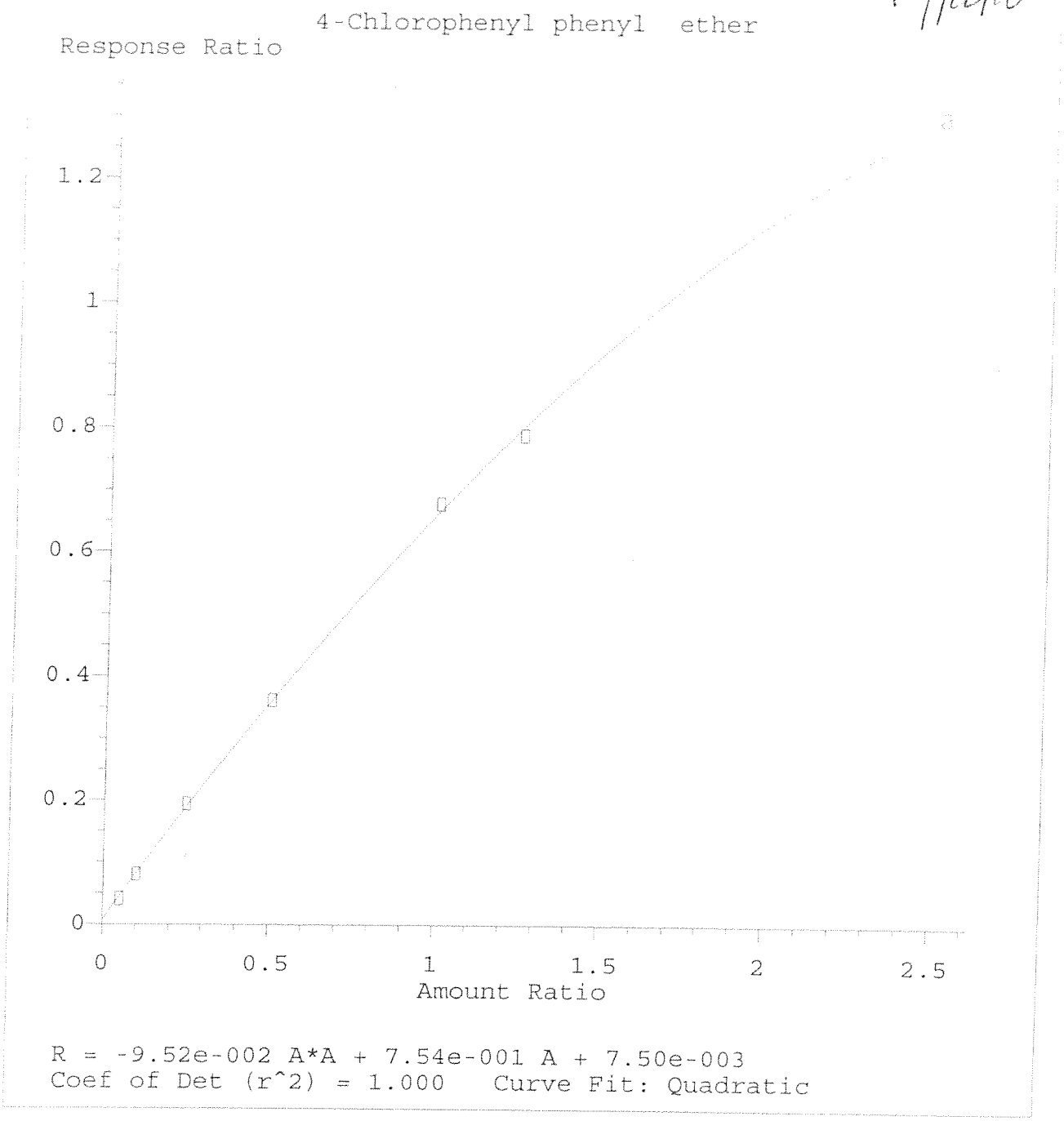


R = -3.70e-003 A*A + 2.33e-001 A - 3.27e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:22 2010

09 22 10

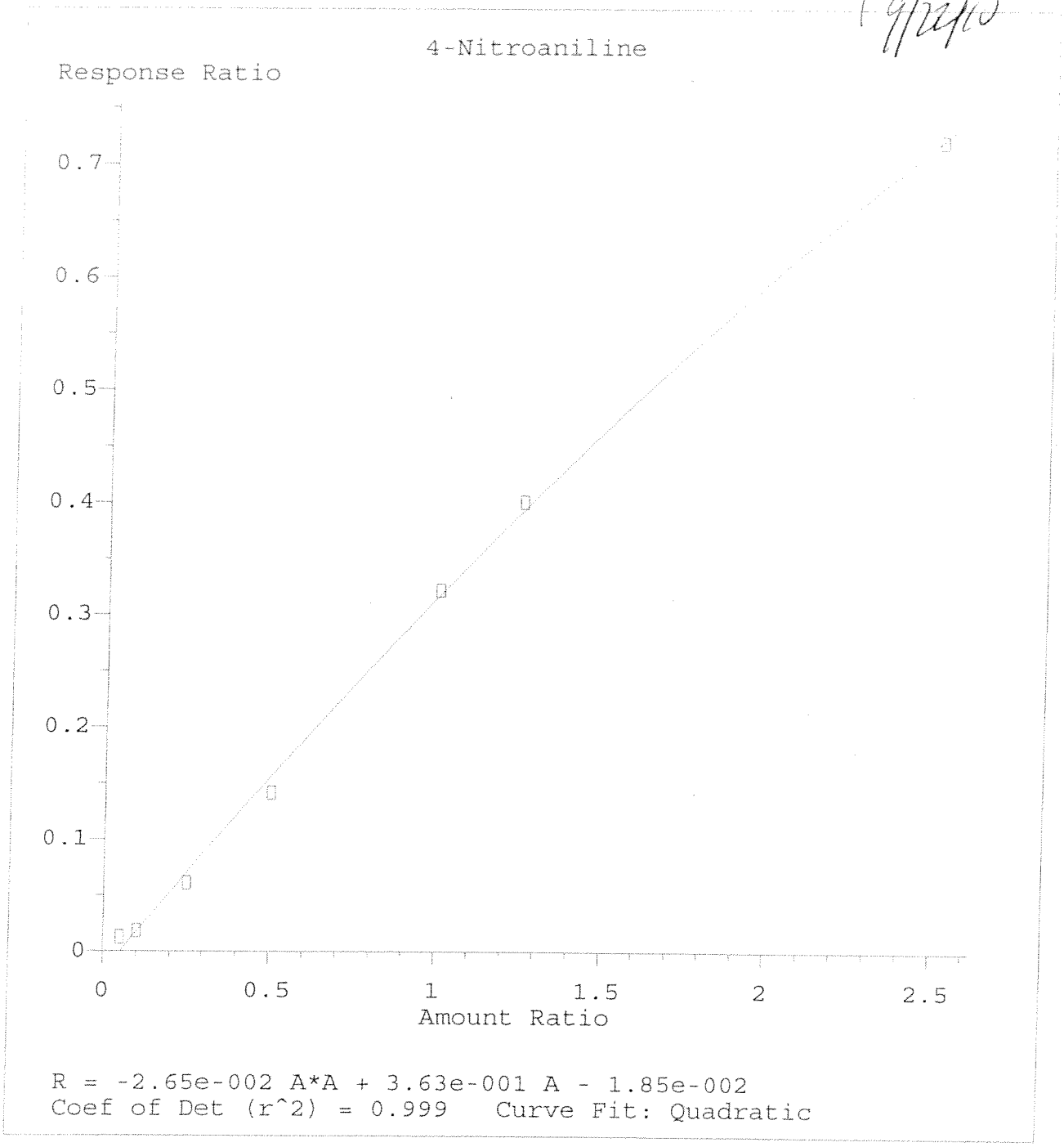
9/22/10



Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:33 2010

592210

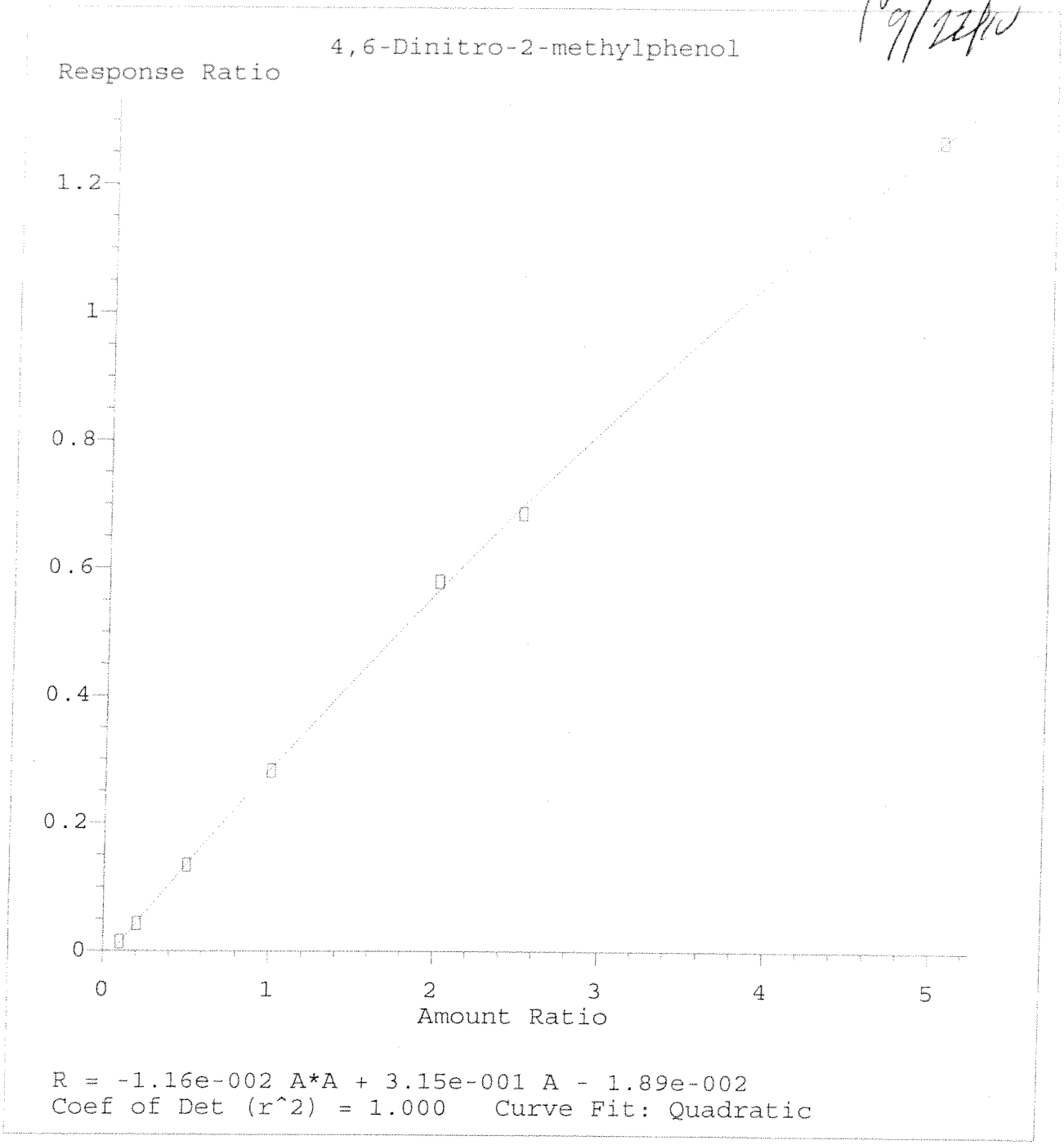
MR 9/22/10



Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:42 2010

592210

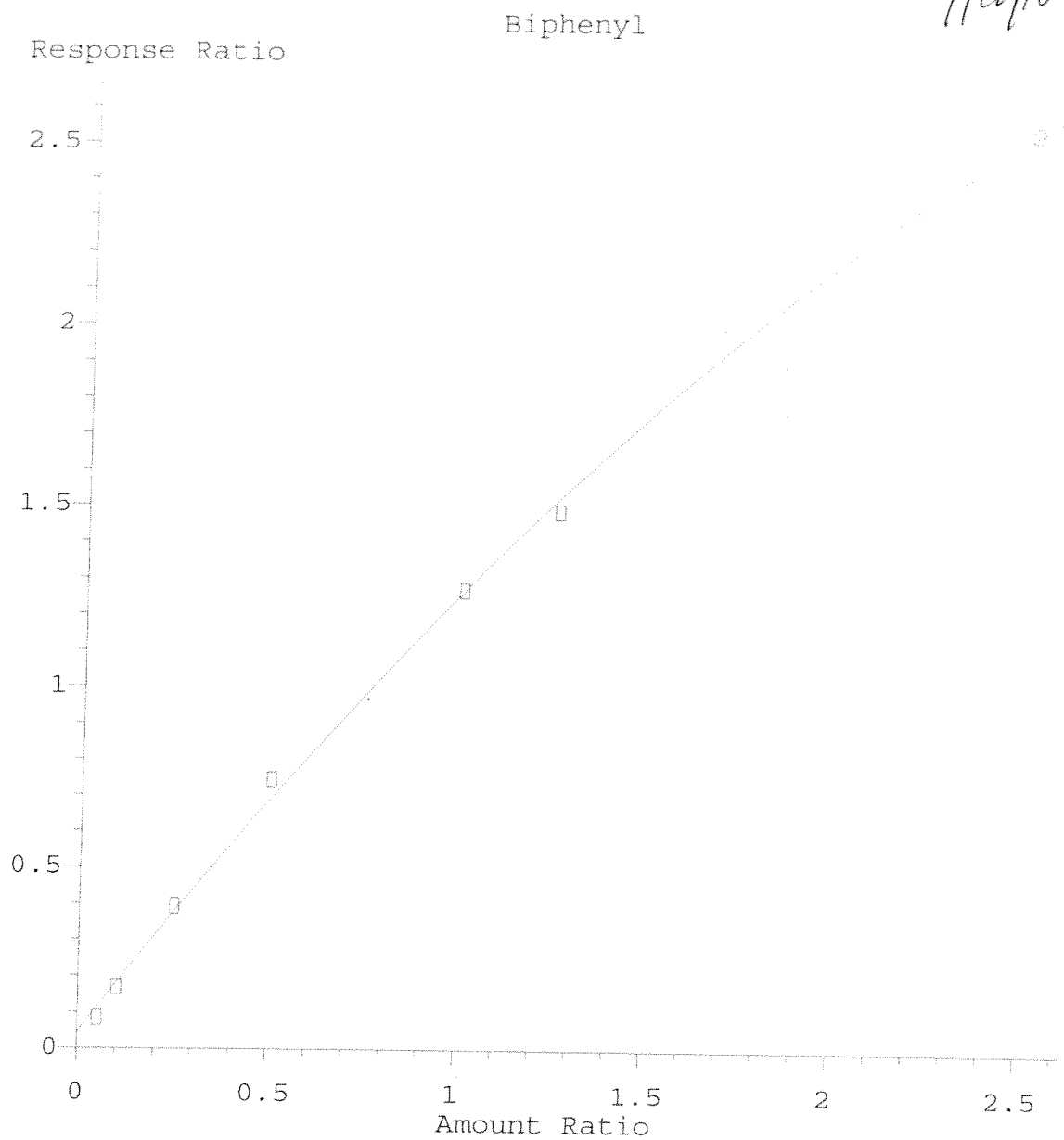
9/22/10



Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:47 2010

J92210

OK 9/22/10



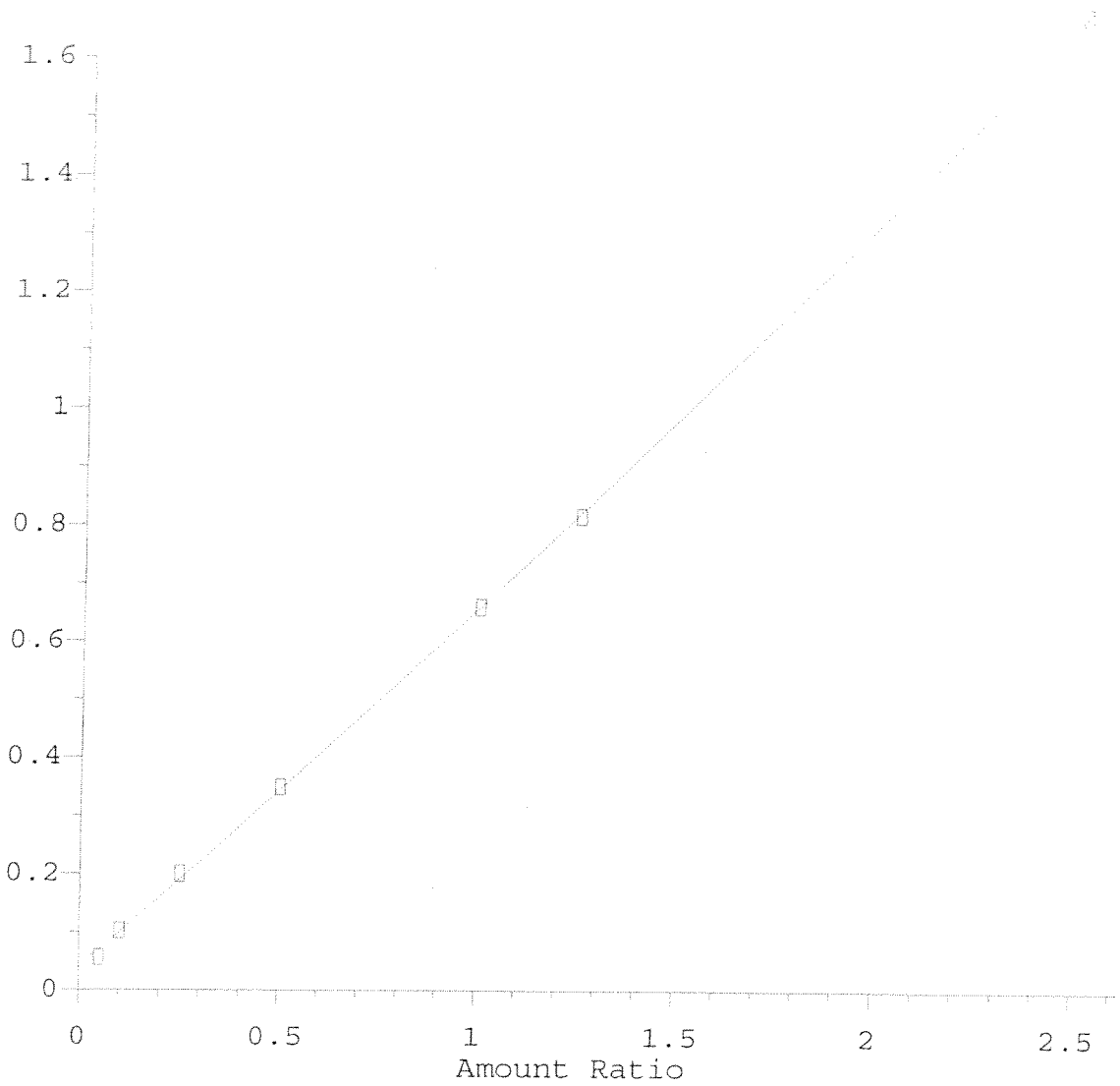
R = -1.51e-001 A*A + 1.37e+000 A + 4.39e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:53 2010

592210

OK 9/22/10

Carbazole

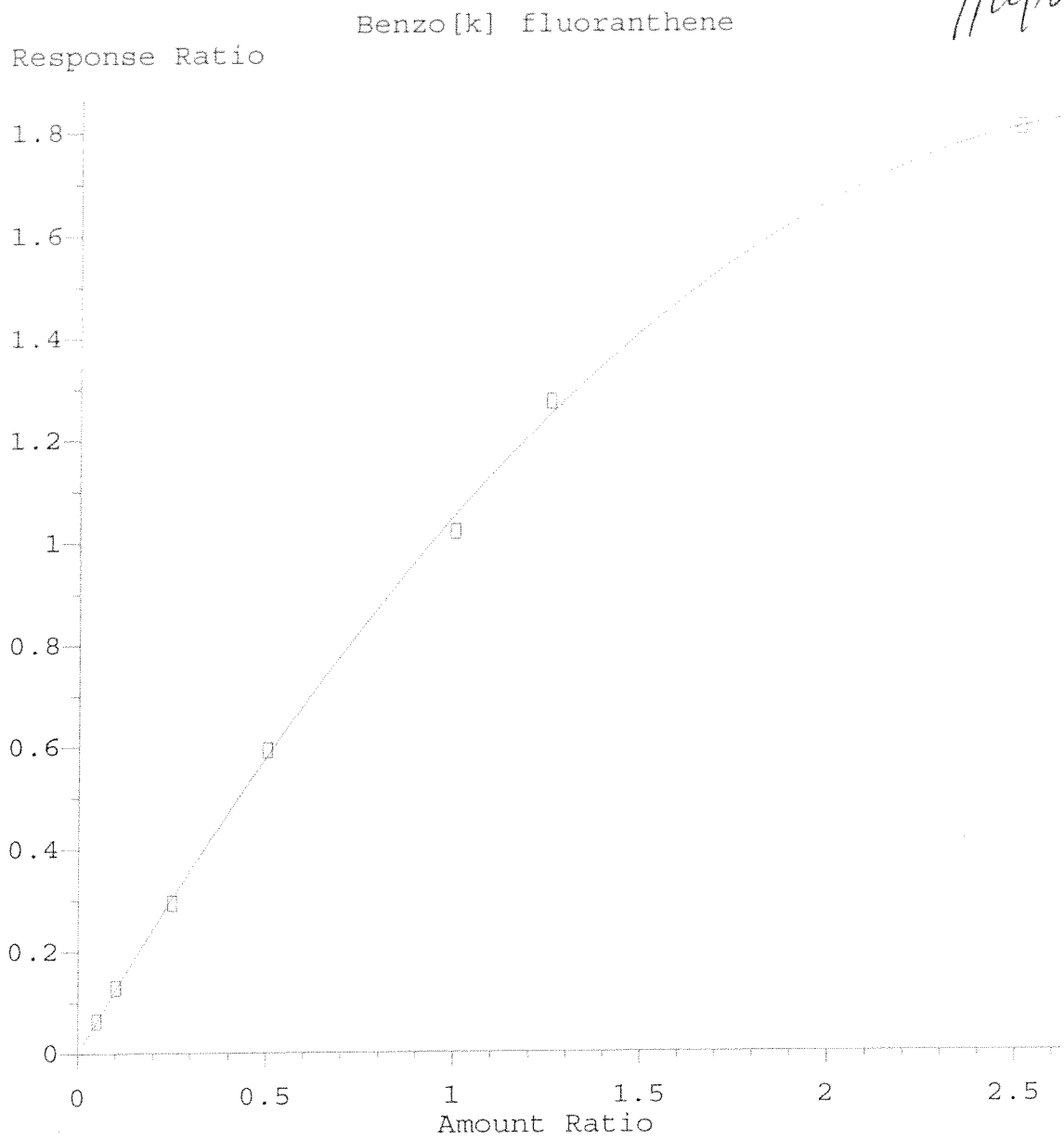


R = 2.27e-002 A*A + 5.96e-001 A + 4.01e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:07:01 2010

592210

OK 9/21/10



R = -2.21e-001 A*A + 1.27e+000 A - 9.11e-004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:07:11 2010

592210

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 04:34:04 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

MR 9/22/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.019	152	467340	40.00	ug/ml	0.00
19) d8-Naphthalene	5.310	136	1385756	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.028	164	777487	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.456	188	1371394	40.00	ug/ml	0.00
71) d12-Chrysene	11.000	240	1511123	40.00	ug/ml	0.00
79) d12-Perylene	12.468	264	1300090	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.682	112	53547	3.86	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 5.15%#			
5) d5-Phenol	3.701	99	66338	4.09	ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 5.45%#			
20) d5-nitrobenzene	4.595	82	52632	4.38	ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 8.76%#			
39) 2-Fluorobiphenyl	6.395	172	117123	3.00	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 6.00%#			
60) 2,4,6-Tribromophenol	7.795	330	15784	3.85	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 5.13%#			
73) d14-p-terphenyl	10.019	244	121624	4.07	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 8.14%#			

Target Compounds						Qvalue
2) Pyridine	1.540	79	28615	1.81	ug/ml	100
3) N-nitrosodimethylamine	1.512	74	15022	1.79	ug/ml	100
6) Aniline	3.692	93	45427	2.09	ug/ml	100
7) Phenol	3.715	94	69233	4.24	ug/ml	100
8) 2-Chlorophenol	3.804	128	61735	4.27	ug/ml	100
9) bis(2-chloroethyl) ether	3.776	63	26599	1.85	ug/ml	100
10) 1,3-Dichlorobenzene	3.954	146	38104	2.04	ug/ml	100
11) 1,4-Dichlorobenzene	4.038	146	37009	2.05	ug/ml	100
12) 1,2-Dichlorobenzene	4.188	146	36162	2.07	ug/ml	100
13) Benzyl Alcohol	4.202	108	12161	1.31	ug/ml	100
14) 2-Methylphenol	4.337	108	51211	4.41	ug/ml	100
15) bis(2-chloroisopropyl)...	4.337	45	70826	1.89	ug/ml	100
16) 3+4-Methylphenol	4.501	108	49541	4.12	ug/ml	100
17) Hexachloroethane	4.524	117	13733	2.12	ug/ml	100
18) N-nitroso-di-n-propyla...	4.468	70	16715	2.26	ug/ml	100
21) Nitrobenzene	4.613	123	14376	2.25	ug/ml	100
22) Isophorone	4.870	82	45143	2.03	ug/ml	100
23) 2-Nitrophenol	4.936	139	32375	4.72	ug/ml	100
24) 2,4-Dimethylphenol	5.034	107	54567	4.32	ug/ml	100
25) Bis(2-chloroethoxy)met...	5.118	93	31059	2.11	ug/ml	100
26) 2,4-Dichlorophenol	5.198	162	51661	4.39	ug/ml	100

S92210

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 04:34:04 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

9/22/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.315	105	14419m	9.71 ug/ml	
28) 1,2,4-Trichlorobenzene	5.259	180	32104	2.20 ug/ml	100
29) Naphthalene	5.329	128	79507	2.14 ug/ml	100
30) 2,6-Dichlorophenol	5.413	162	47760	4.43 ug/ml	100
31) 4-Chloroaniline	5.413	127	35850	1.41 ug/ml	100
32) Hexachlorobutadiene	5.474	225	17953	2.07 ug/ml	100
33) 4-Chloro-3-methylphenol	5.942	107	44238	4.27 ug/ml	100
34) 2-Methylnaphthalene	6.018	141	49744	2.17 ug/ml	100
36) Hexachlorocyclopentadiene	6.180	237	8709	2.26 ug/ml	100
37) 2,4,6-Trichlorophenol	6.319	196	34190	4.12 ug/ml	100
38) 2,4,5-Trichlorophenol	6.363	196	40266	4.32 ug/ml	100
40) 2-Chloronaphthalene	6.489	162	54752	1.68 ug/ml	100
41) 2-Nitroaniline	6.614	138	18844	2.85 ug/ml	100
42) 2,6-Dinitrotoluene	6.863	165	12830	2.88 ug/ml	100
43) Dimethyl Phthalate	6.815	163	64602	2.12 ug/ml	100
44) Acenaphthylene	6.883	152	83945	2.25 ug/ml	100
45) 3-Nitroaniline	7.019	138	13077	2.37 ug/ml	100
46) Acenaphthene	7.057	153	51247	2.16 ug/ml	100
47) 2,4-dinitrophenol	7.145	184	2287	8.97 ug/ml#	83
48) Dibenzofuran	7.227	168	81458	2.21 ug/ml	100
49) 4-Nitrophenol	7.261	109	9547	3.80 ug/ml#	1
50) 2,4-Dinitrotoluene	7.252	165	17325	3.18 ug/ml	100
51) 2,3,4,6-Tetrachlorophenol	7.368	232	29616	4.03 ug/ml	100
52) Fluorene	7.557	166	63942	2.28 ug/ml	100
53) Diethyl Phthalate	7.499	149	64228	2.24 ug/ml	100
54) 4-Chlorophenyl phenyl ...	7.582	204	31898	1.88 ug/ml	100
55) 4-Nitroaniline	7.606	138	9899	4.26 ug/ml	100
56) 4,6-Dinitro-2-methylph...	7.645	198	11265	7.48 ug/ml	100
57) n-nitrosodiphenylamine	7.698	169	44714	2.18 ug/ml	100
58) Azobenzene	7.732	77	51482	2.11 ug/ml	100
59) Biphenyl	6.489	154	65521	1.47 ug/ml	100
62) 4-bromophenyl phenyl e...	8.047	248	18745	1.99 ug/ml	100
63) Hexachlorobenzene	8.083	284	21112	2.20 ug/ml	100
64) Pentachlorophenol	8.299	266	12769	2.15 ug/ml#	71
65) Phenanthrene	8.474	178	87657	2.15 ug/ml	100
66) Anthracene	8.524	178	91992	2.18 ug/ml	100
67) Carbazole	8.704	167	77725	1.49 ug/ml	100
68) Di-n-butyl phthalate	9.087	149	104351	2.09 ug/ml	100
69) Fluoranthene	9.616	202	99770	2.17 ug/ml	100
70) Benzidine	9.796	184	10962	1.55 ug/ml	100
72) Pyrene	9.825	202	107448	2.11 ug/ml	100
74) Butyl benzyl phthalate	10.520	149	47452	2.01 ug/ml	100
75) Benzo[a]anthracene	10.985	228	89022	2.15 ug/ml	100

JT220

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 04:34:04 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

9/22/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.019	228	88506	2.01 ug/ml	100
77) 3,3'-Dichlorobenzidine	10.992	252	25315	2.79 ug/ml	100
78) Bis (2-ethylhexyl) pht...	11.098	149	61988	2.07 ug/ml	100
80) di-n-octyl-phthalate	11.747	149	99628	2.94 ug/ml	100
81) Benzo[b] fluoranthene	12.050	252	80578	2.21 ug/ml	100
82) Benzo[k] fluoranthene	12.079	252	82632	1.70 ug/ml	100
83) Benzo[a] pyrene	12.389	252	79647	2.14 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	13.625	276	56318m	3.62 ug/ml	
85) Dibenz [a,h] anthracene	13.657	278	65636	3.67 ug/ml	100
86) Benzo(g,h,i) perylene	13.913	276	75017	2.34 ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

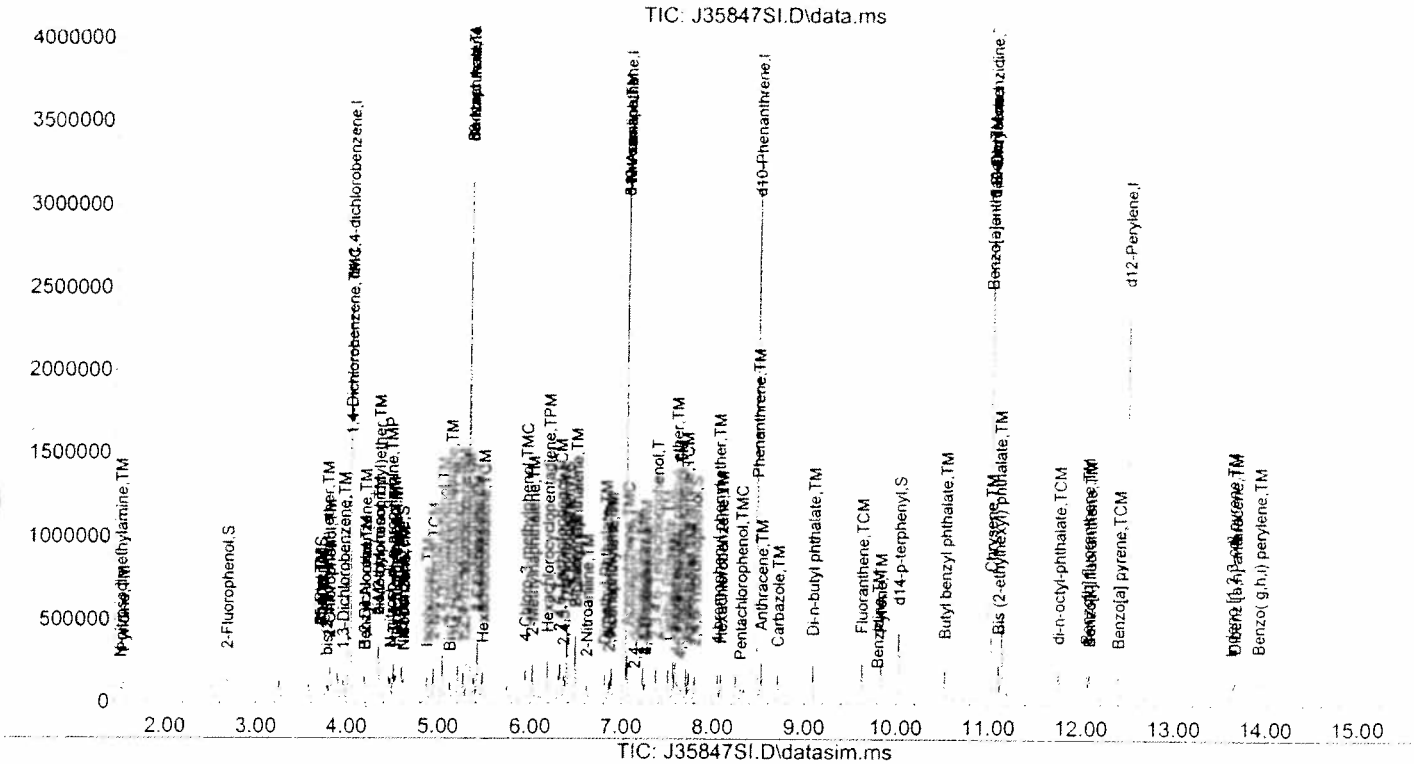
5/22/10

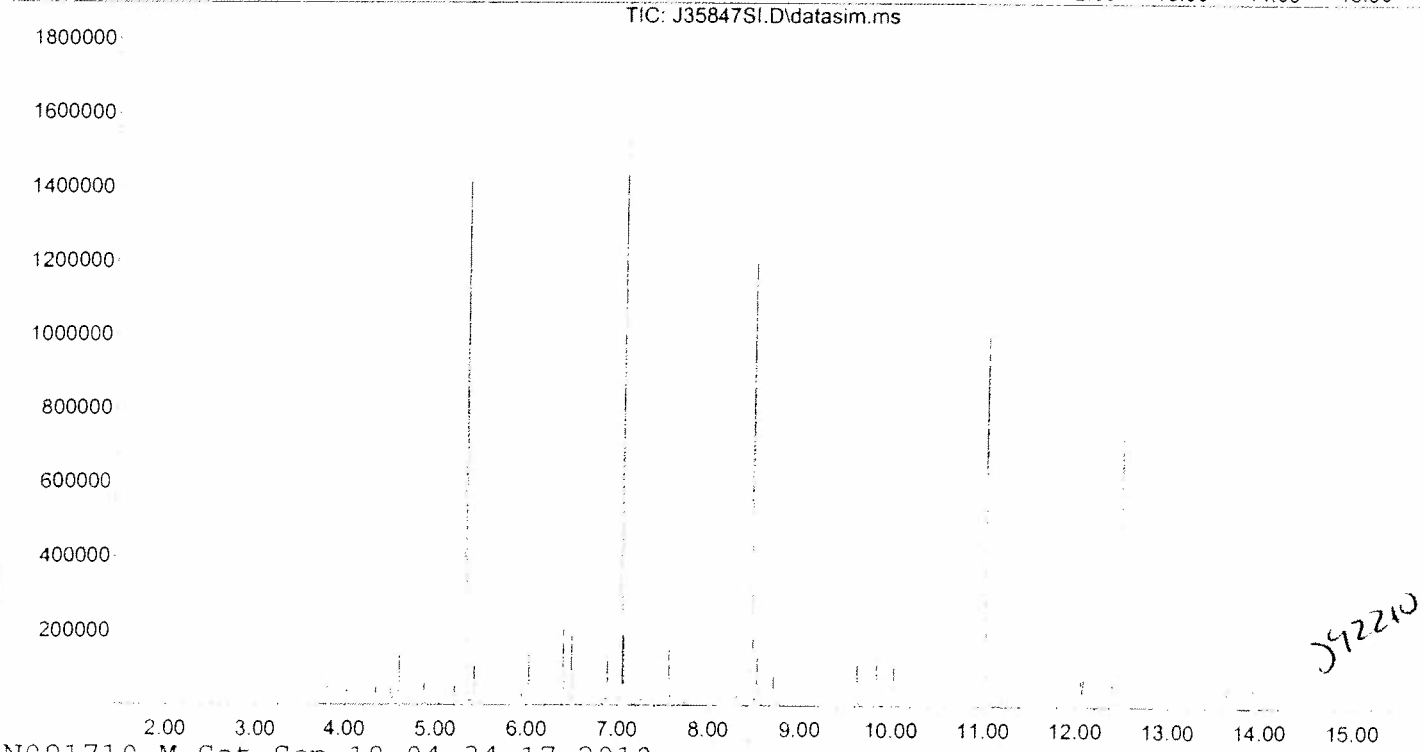
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 04:34:04 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

MN 9/22/10





J92210

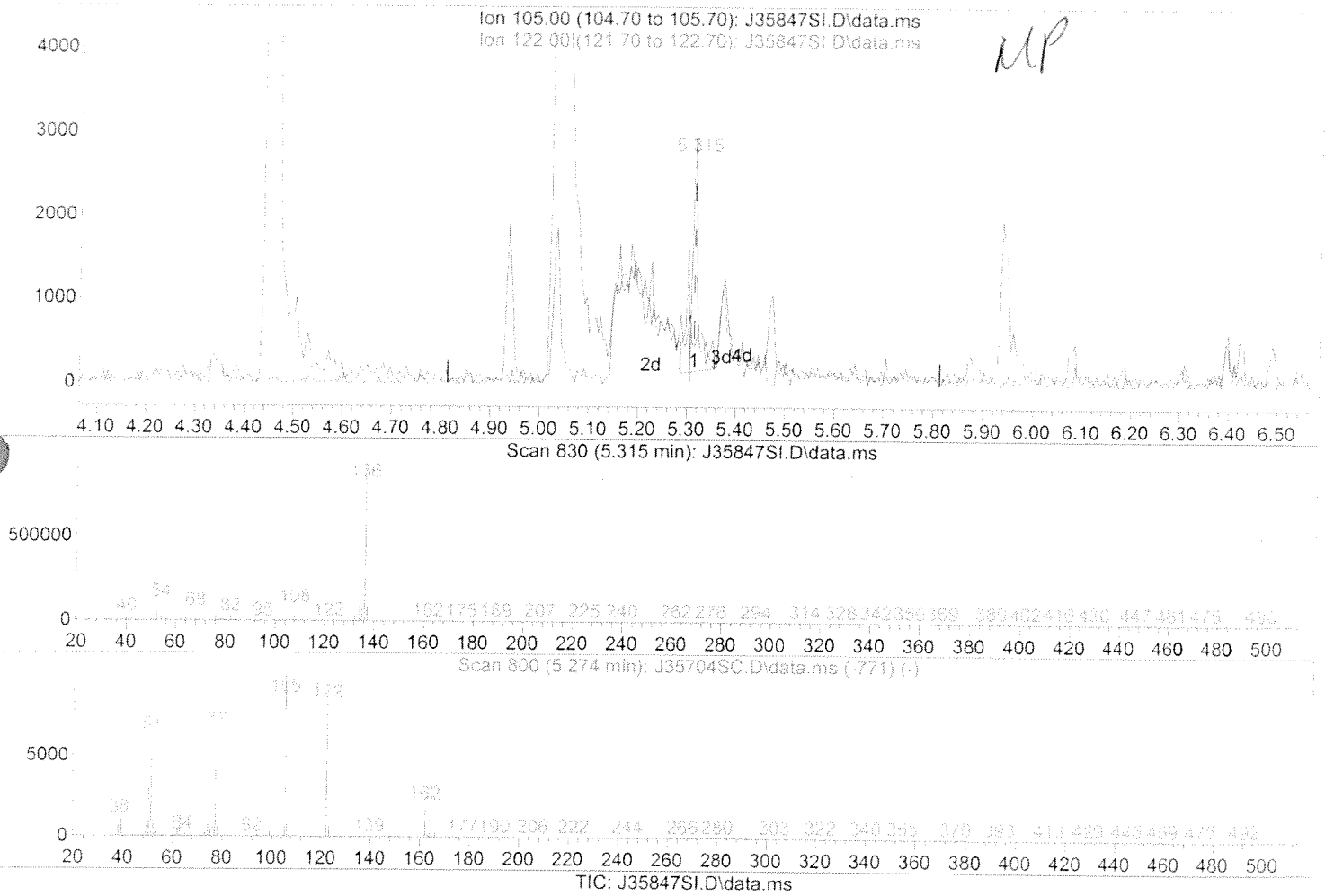
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 04:32:32 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

9/22/10

MP



(27) Benzoic Acid (TM)

5.315min (0.000) 8.43ug/ml

response 2798

Ion	Exp%	Act%
105.00	100	100
122.00	1.40	18.37#
0.00	0.00	0.00
0.00	0.00	0.00

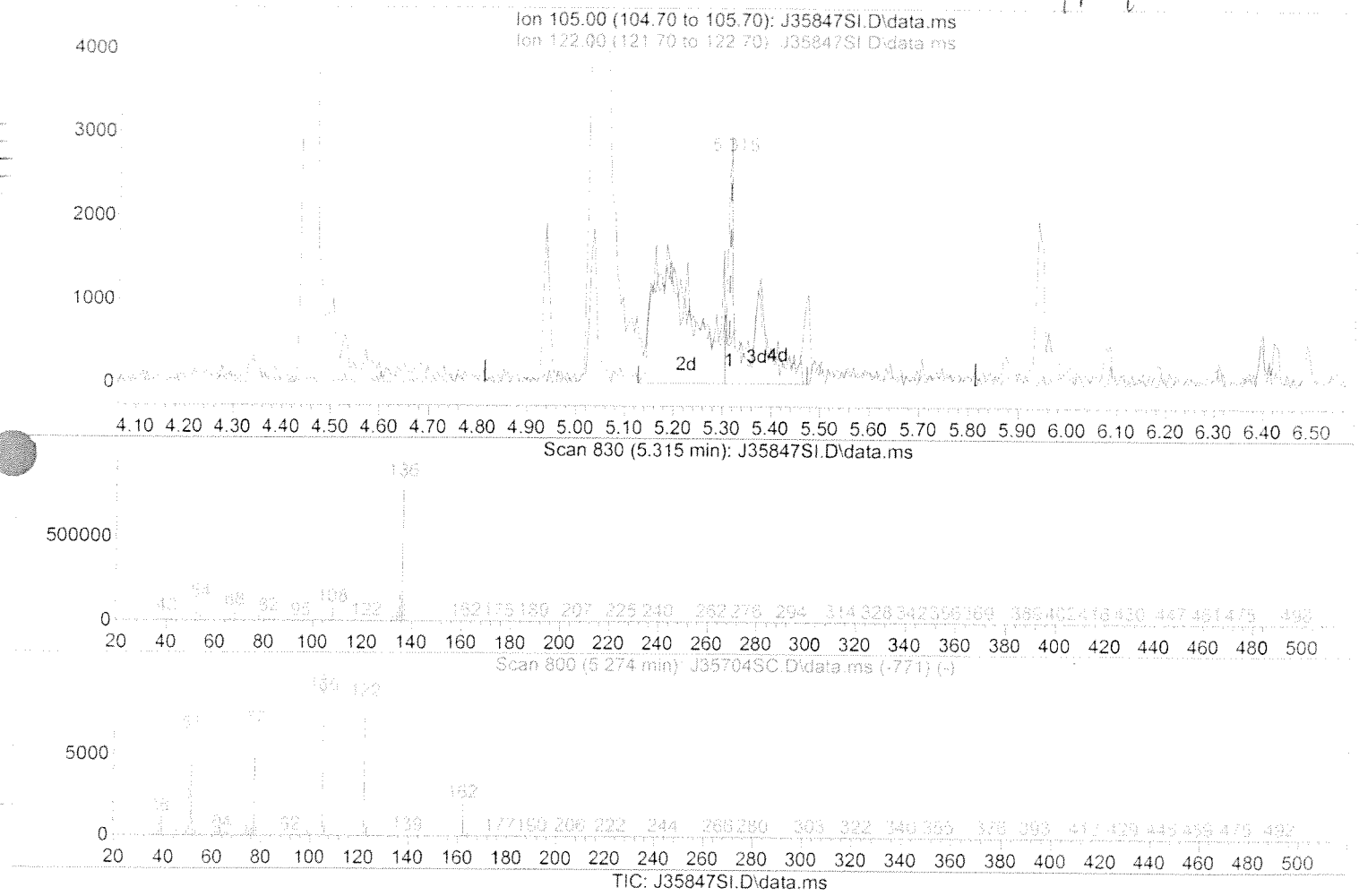
392210

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 04:32:32 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

9/22/10



(27) Benzoic Acid (TM)

5.315min (0.000) 9.71ug/ml m

response 14419

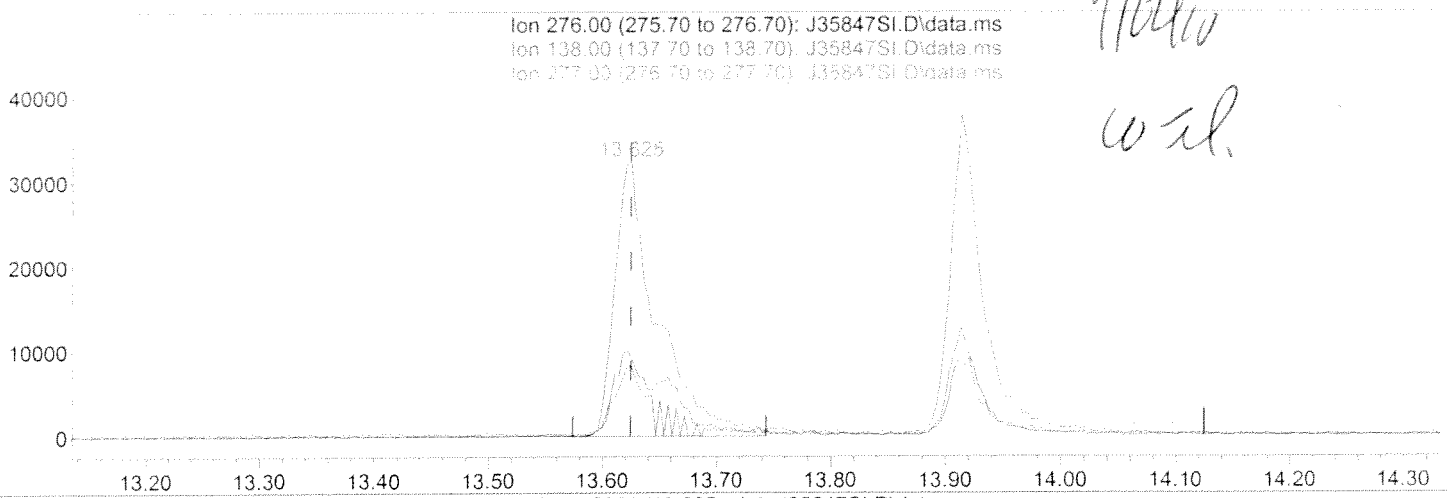
Ion	Exp%	Act%
105.00	100	100
122.00	1.40	3.56#
0.00	0.00	0.00
0.00	0.00	0.00

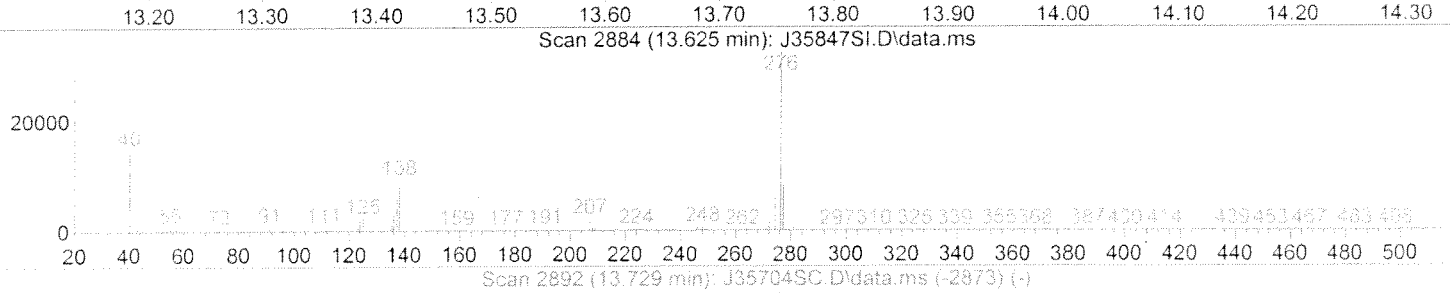
J92210

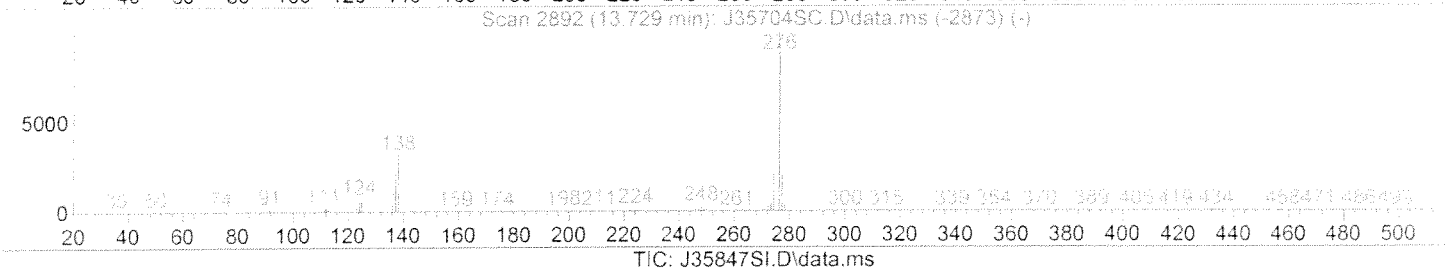
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 04:32:32 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

MR
9/22/10
WL







TIC: J35847SI.D\data.ms

(84) Indeno [1,2,3-cd] pyrene (TM)

13.625min (0.000) 4.45ug/ml

response 83340

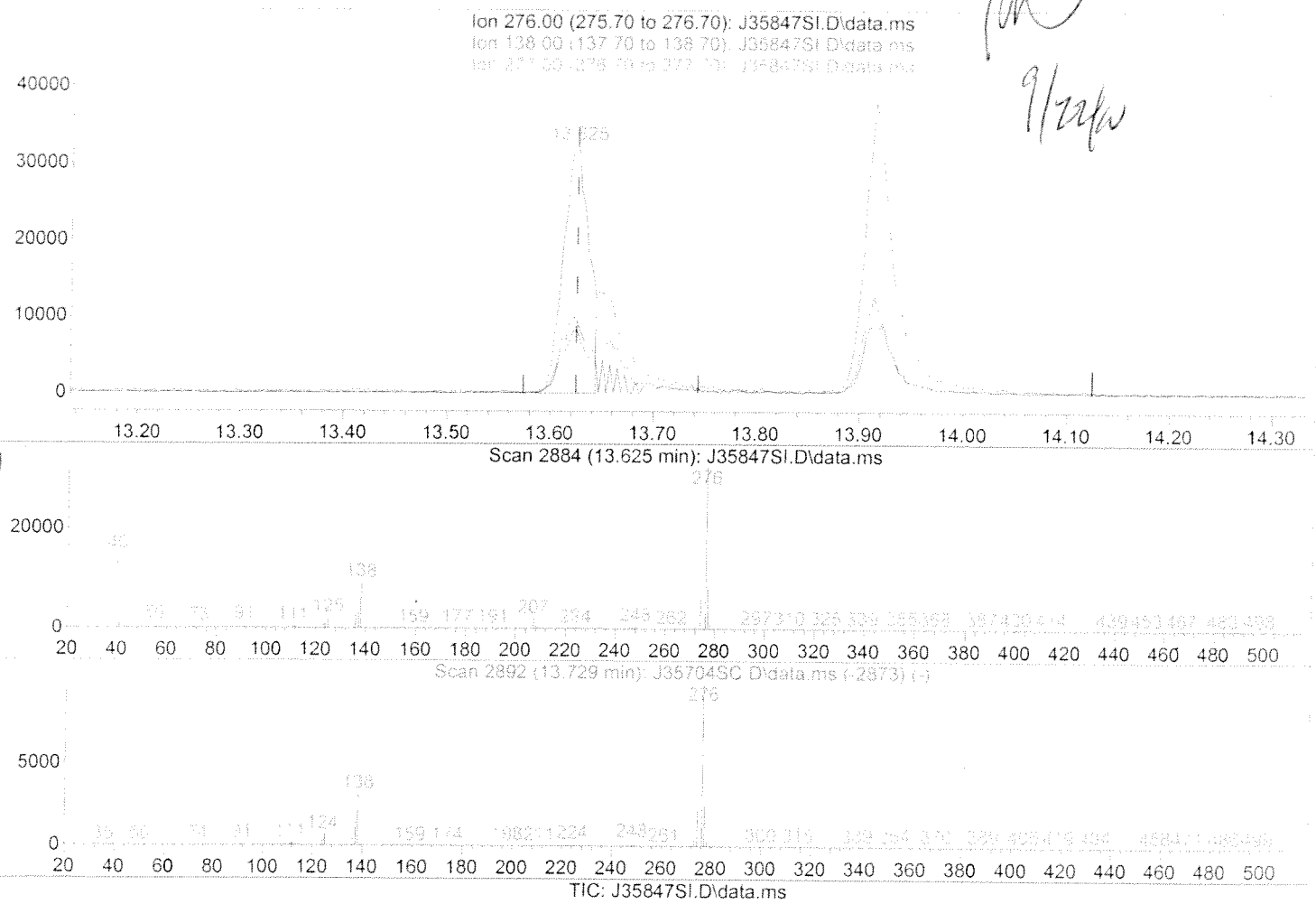
Ion	Exp%	Act%
276.00	100	100
138.00	32.90	22.22#
277.00	26.20	17.74#
0.00	0.00	0.00

J92210

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 04:32:32 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

9/22/10



(84) Indeno [1,2,3-cd] pyrene (TM)

13.625min (0.000) 3.62ug/ml m

response 56318

Ion	Exp%	Act%
276.00	100	100
138.00	32.90	32.88
277.00	26.20	26.25
0.00	0.00	0.00

592210

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 04:36:00 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration

9/22/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.019	152	456768	40.00	ug/ml	0.00
19) d8-Naphthalene	5.310	136	1348707	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.028	164	764977	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.456	188	1349373	40.00	ug/ml	0.00
71) d12-Chrysene	10.999	240	1439522	40.00	ug/ml	0.00
79) d12-Perylene	12.464	264	1277714	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.682	112	107380	7.92	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 10.56%#			
5) d5-Phenol	3.697	99	133642	8.43	ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 11.24%#			
20) d5-nitrobenzene	4.595	82	101670	8.70	ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 17.40%#			
39) 2-Fluorobiphenyl	6.395	172	231712	7.30	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 14.60%#			
60) 2,4,6-Tribromophenol	7.795	330	35162	8.73	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 11.64%#			
73) d14-p-terphenyl	10.019	244	234320	8.23	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 16.46%#			

Target Compounds						Qvalue
2) Pyridine	1.536	79	57301	3.71	ug/ml	98
3) N-nitrosodimethylamine	1.512	74	31411	3.83	ug/ml	94
6) Aniline	3.692	93	88219	4.14	ug/ml	97
7) Phenol	3.711	94	138034	8.66	ug/ml	95
8) 2-Chlorophenol	3.804	128	120076	8.50	ug/ml	94
9) bis(2-chloroethyl) ether	3.776	63	49859	3.55	ug/ml	93
10) 1,3-Dichlorobenzene	3.954	146	76497	4.20	ug/ml	98
11) 1,4-Dichlorobenzene	4.038	146	71797	4.07	ug/ml	93
12) 1,2-Dichlorobenzene	4.188	146	73873	4.32	ug/ml	100
13) Benzyl Alcohol	4.197	108	28754	3.16	ug/ml#	81
14) 2-Methylphenol	4.337	108	104497	9.21	ug/ml	97
15) bis(2-chloroisopropyl)...	4.342	45	138894	3.97	ug/ml	97
16) 3+4-Methylphenol	4.501	108	103439	8.81	ug/ml	96
17) Hexachloroethane	4.529	117	26740	3.95	ug/ml	98
18) N-nitroso-di-n-propyla...	4.468	70	32065	4.44	ug/ml	88
21) Nitrobenzene	4.613	123	28159	4.53	ug/ml	83
22) Isophorone	4.871	82	92404	4.28	ug/ml	99
23) 2-Nitrophenol	4.936	139	65812	9.86	ug/ml	98
24) 2,4-Dimethylphenol	5.034	107	108093	8.80	ug/ml	97
25) Bis(2-chloroethoxy)met...	5.118	93	59717	4.17	ug/ml	94
26) 2,4-Dichlorophenol	5.198	162	99892	8.71	ug/ml	93

392210

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 04:36:00 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration

9/22/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.151	105	32387m	11.79 ug/ml	
28) 1,2,4-Trichlorobenzene	5.259	180	59902	4.21 ug/ml	93
29) Naphthalene	5.329	128	156722	4.34 ug/ml	99
30) 2,6-Dichlorophenol	5.413	162	94235	8.98 ug/ml	97
31) 4-Chloroaniline	5.408	127	72020	3.77 ug/ml	95
32) Hexachlorobutadiene	5.474	225	36019	4.26 ug/ml	97
33) 4-Chloro-3-methylphenol	5.938	107	90557	8.97 ug/ml	97
34) 2-Methylnaphthalene	6.018	141	94100	4.22 ug/ml	99
36) Hexachlorocyclopentadiene	6.180	237	23042	3.90 ug/ml	94
37) 2,4,6-Trichlorophenol	6.319	196	70959	8.70 ug/ml	98
38) 2,4,5-Trichlorophenol	6.363	196	79524	8.67 ug/ml	93
40) 2-Chloronaphthalene	6.489	162	102498	3.77 ug/ml	99
41) 2-Nitroaniline	6.614	138	39958	4.87 ug/ml	97
42) 2,6-Dinitrotoluene	6.863	165	27531	4.93 ug/ml	97
43) Dimethyl Phthalate	6.814	163	128144	4.28 ug/ml	100
44) Acenaphthylene	6.882	152	164579	4.48 ug/ml	100
45) 3-Nitroaniline	7.018	138	27811	5.11 ug/ml	88
46) Acenaphthene	7.057	153	102747	4.40 ug/ml	98
47) 2,4-dinitrophenol	7.135	184	11452	11.59 ug/ml	88
48) Dibenzofuran	7.227	168	167554	4.61 ug/ml	99
49) 4-Nitrophenol	7.251	109	23352	7.62 ug/ml	83
50) 2,4-Dinitrotoluene	7.246	165	36122	5.19 ug/ml#	83
51) 2,3,4,6-Tetrachlorophenol	7.368	232	63132	8.72 ug/ml	97
52) Fluorene	7.557	166	124530	4.51 ug/ml	100
53) Diethyl Phthalate	7.499	149	124271	4.41 ug/ml	100
54) 4-Chlorophenyl phenyl ...	7.581	204	61547	4.01 ug/ml	97
55) 4-Nitroaniline	7.605	138	14123	5.07 ug/ml#	84
56) 4,6-Dinitro-2-methylph...	7.639	198	32566	11.26 ug/ml	96
57) n-nitrosodiphenylamine	7.698	169	89835	4.45 ug/ml	98
58) Azobenzene	7.732	77	104204	4.35 ug/ml	99
59) Biphenyl	6.484	154	129513	3.76 ug/ml	98
62) 4-bromophenyl phenyl e...	8.046	248	38417	4.14 ug/ml	98
63) Hexachlorobenzene	8.082	284	40936	4.33 ug/ml	98
64) Pentachlorophenol	8.294	266	39240	6.70 ug/ml	89
65) Phenanthrene	8.474	178	172483	4.30 ug/ml	99
66) Anthracene	8.524	178	180599	4.36 ug/ml	99
67) Carbazole	8.699	167	139434	4.64 ug/ml	100
68) Di-n-butyl phthalate	9.086	149	209591	4.28 ug/ml	99
69) Fluoranthene	9.615	202	202896	4.48 ug/ml	99
70) Benzidine	9.788	184	25338	3.64 ug/ml#	93
72) Pyrene	9.824	202	209823	4.32 ug/ml	99
74) Butyl benzyl phthalate	10.520	149	94616	4.21 ug/ml	98
75) Benzo[a]anthracene	10.984	228	171970	4.35 ug/ml	99

SR2210

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 04:36:00 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration

9/20/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.018	228	170382	4.06 ug/ml	98
77) 3,3'-Dichlorobenzidine	10.992	252	49158	5.69 ug/ml#	96
78) Bis (2-ethylhexyl) pht...	11.098	149	123164	4.31 ug/ml	100
80) di-n-octyl-phthalate	11.747	149	204168	4.89 ug/ml	99
81) Benzo[b] fluoranthene	12.050	252	155440	4.34 ug/ml	97
82) Benzo[k] fluoranthene	12.078	252	163991	3.67 ug/ml	98
83) Benzo[a] pyrene	12.385	252	158785	4.35 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	13.621	276	119119m	5.62 ug/ml	
85) Dibenz [a,h] anthracene	13.657	278	131811	5.66 ug/ml	97
86) Benzo(g,h,i) perylene	13.913	276	143779	4.57 ug/ml	97

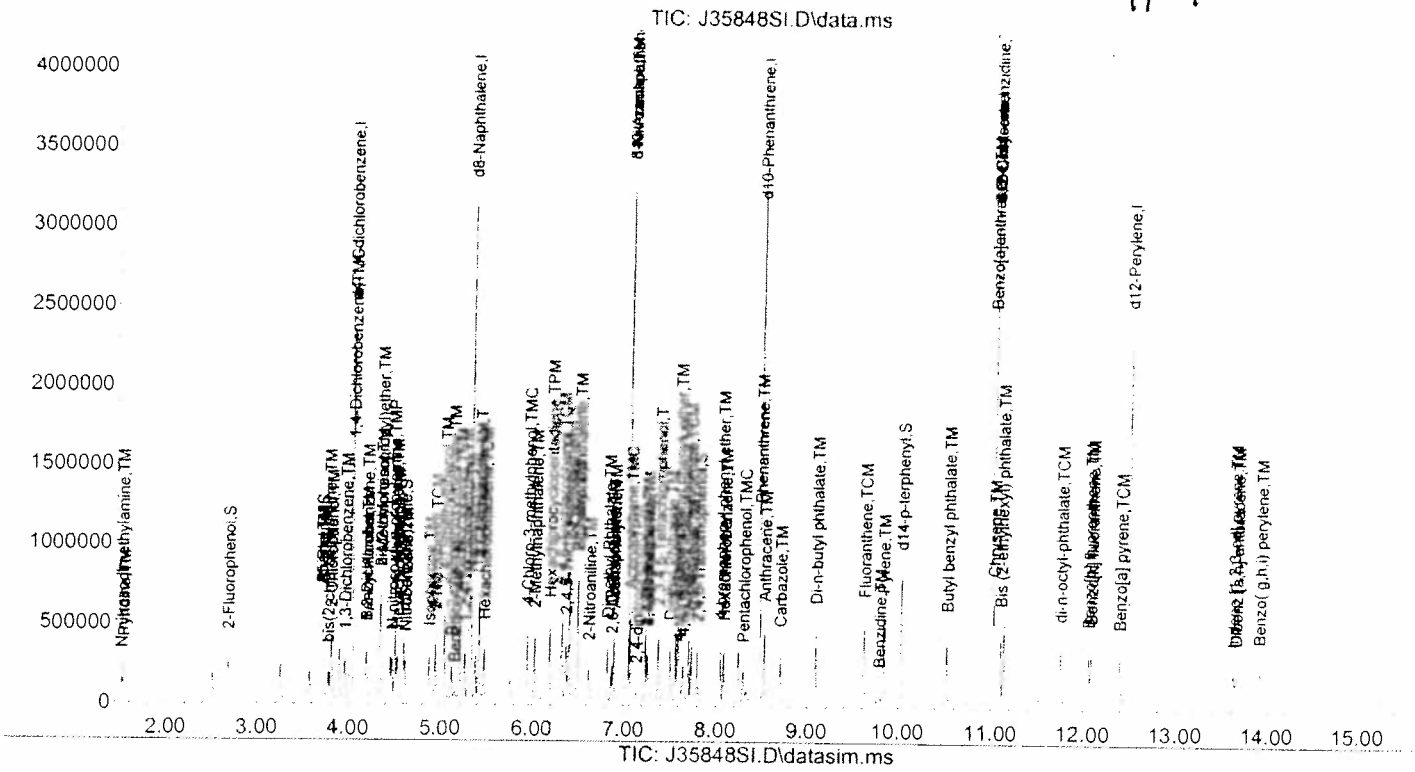
(#) = qualifier out of range (m) = manual integration (+) = signals summed

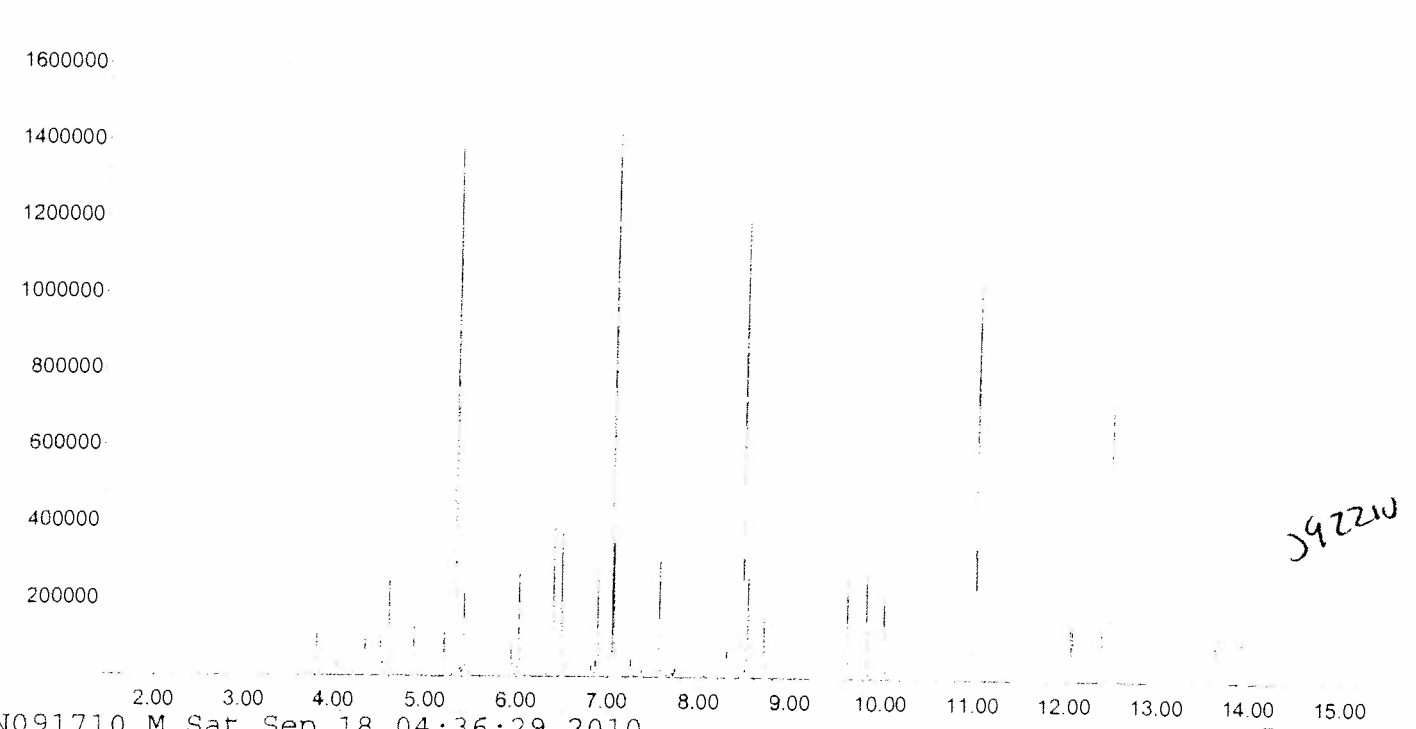
S12210

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 04:36:00 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration



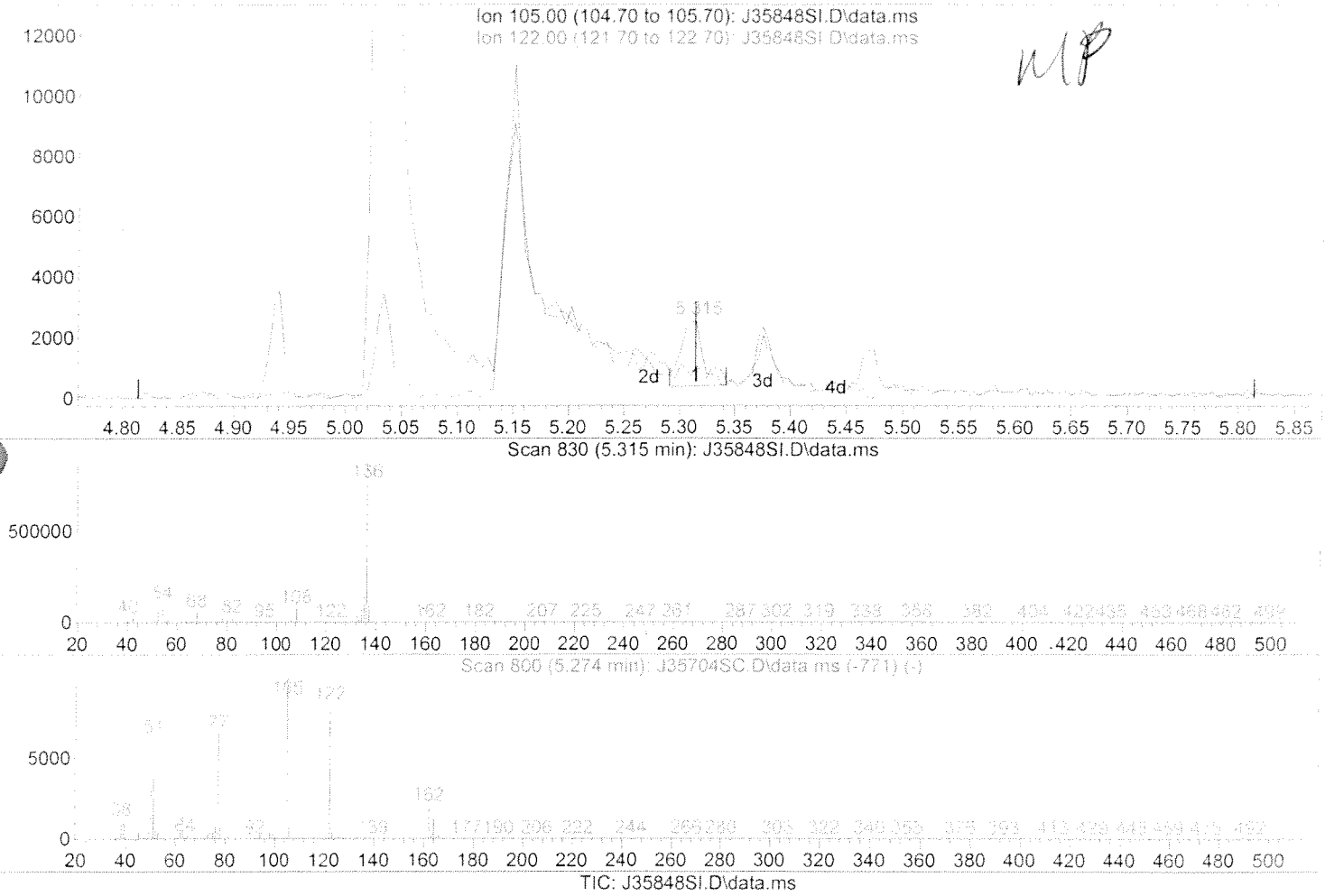


ABN091710.M Sat Sep 18 04:36:29 2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 04:35:02 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration

9/22/10



(27) Benzoic Acid (TM)

5.315min (+0.000) 8.46ug/ml

response 2933

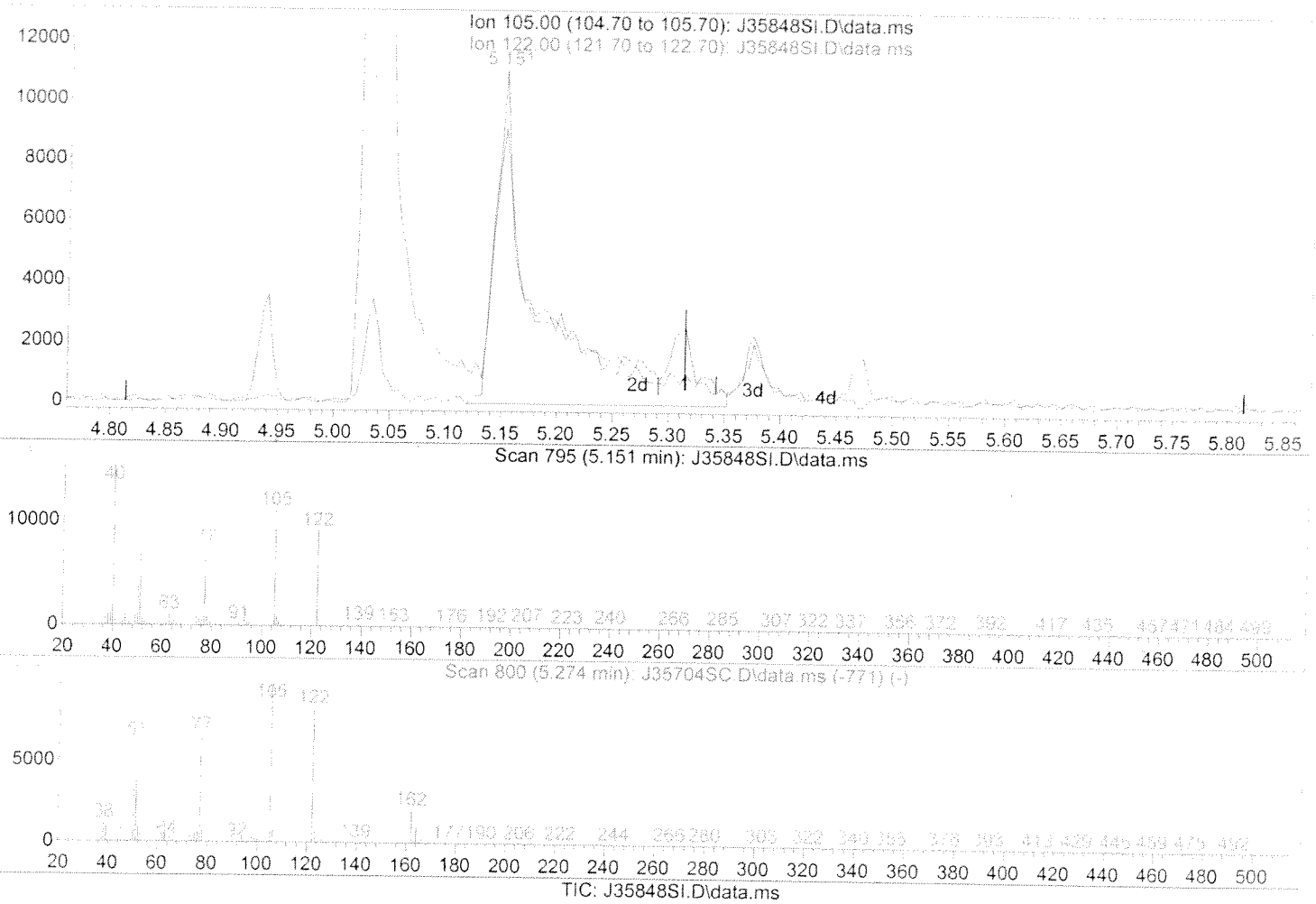
Ion	Exp%	Act%
105.00	100	100
122.00	3.60	23.25#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 04:35:02 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration

9/22/10



(27) Benzoic Acid (TM)

5.151min (-0.164) 11.79ug/ml m

response 32387

Ion	Exp%	Act%
105.00	100	100
122.00	3.60	2.11#
0.00	0.00	0.00
0.00	0.00	0.00

J92210

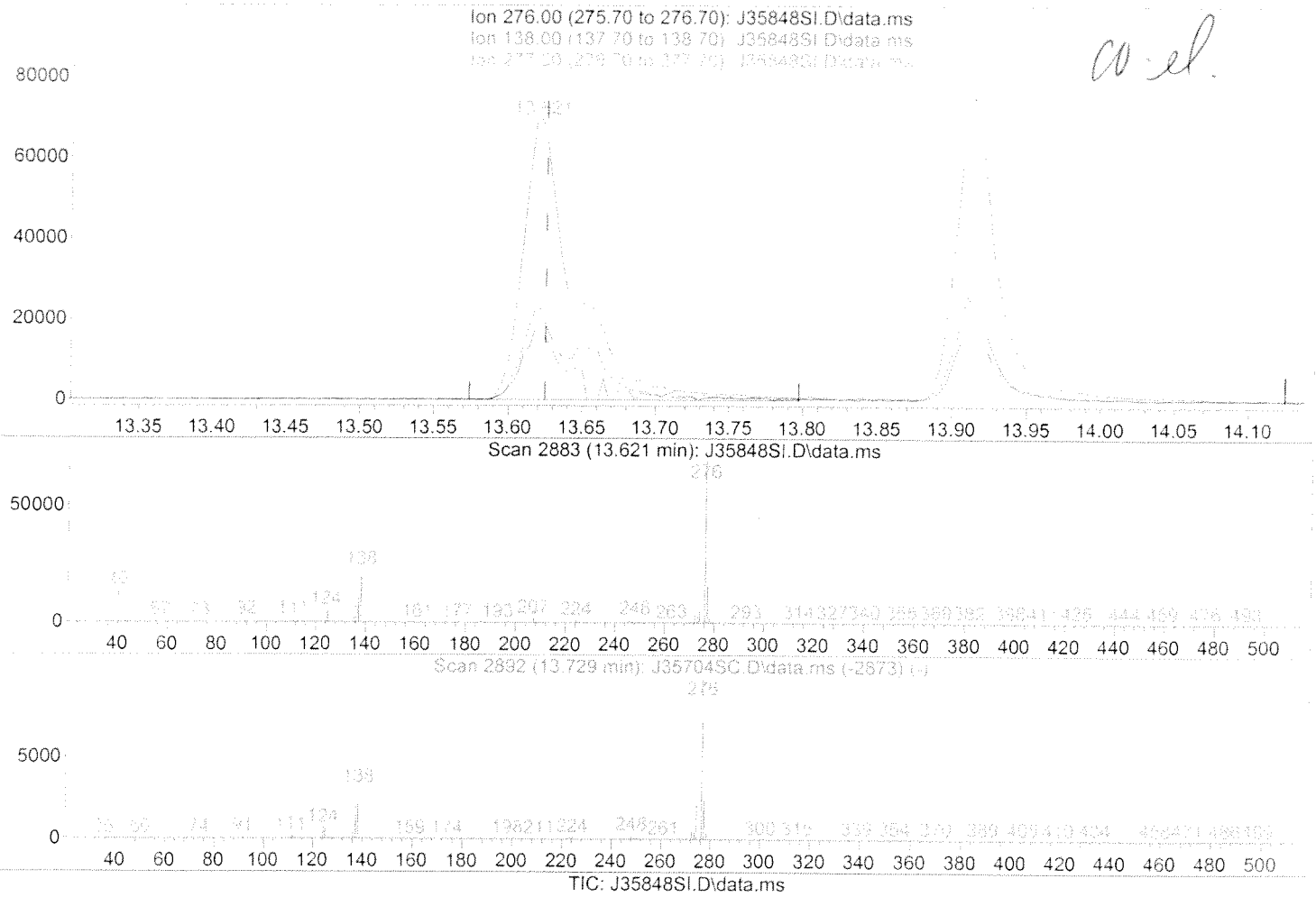
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 04:35:02 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration

9/23/10

co-el.



(84) Indeno [1,2,3-cd] pyrene (TM)

13.621min (-0.004) 7.22ug/ml

response 170268

Ion	Exp%	Act%
276.00	100	100
138.00	32.90	21.13#
277.00	26.20	19.11#
0.00	0.00	0.00

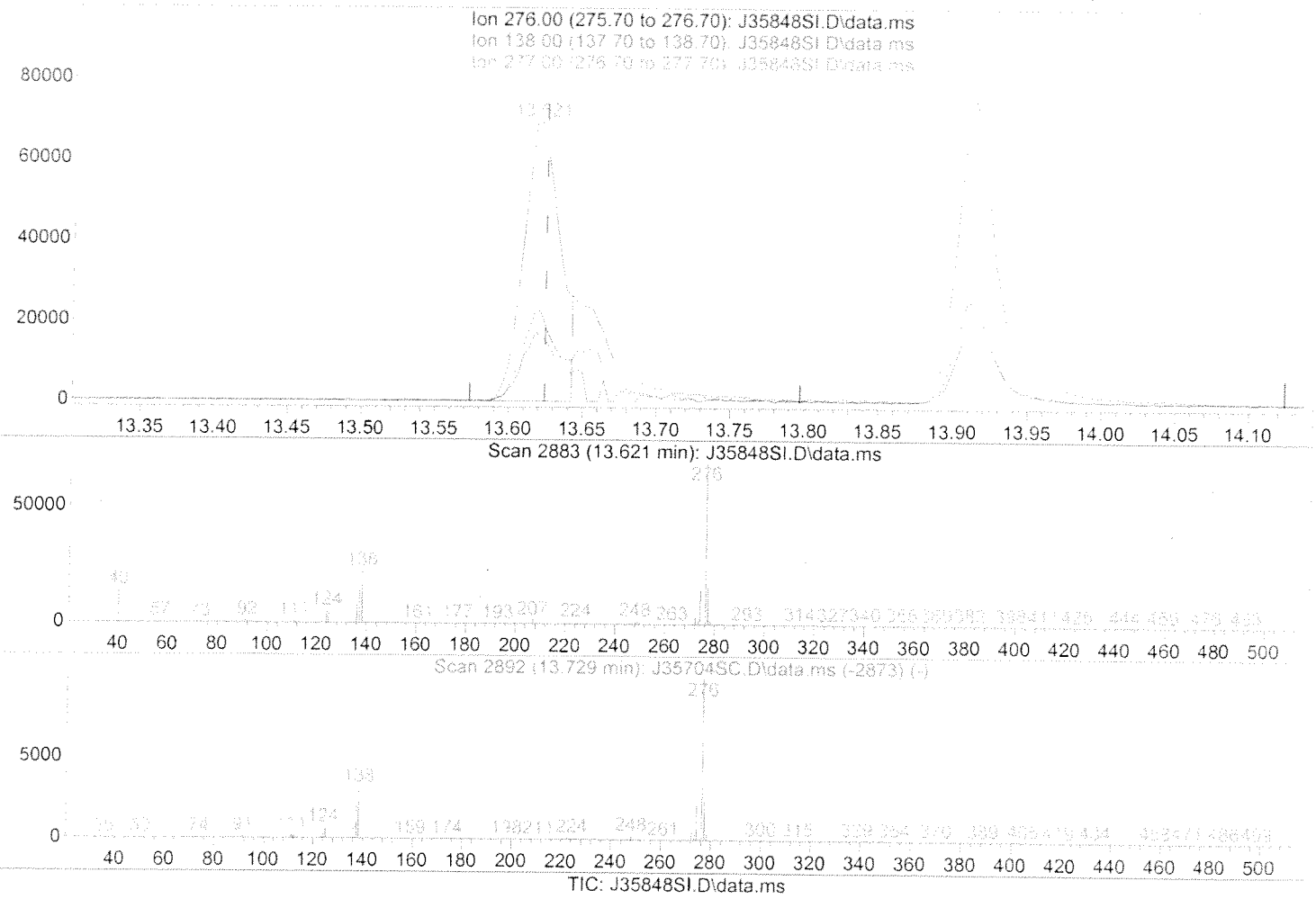
5/2710

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 04:35:02 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration

9/23/10



(84) Indeno [1,2,3-cd] pyrene (TM)

13.621min (-0.004) 5.62ug/ml m

response 119119

Ion	Exp%	Act%
276.00	100	100
138.00	32.90	30.21
277.00	26.20	27.32
0.00	0.00	0.00

JG27W

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:43:42 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.024	152	474965	40.00	ug/ml	0.00
19) d8-Naphthalene	5.310	136	1349962	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.033	164	785875	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.461	188	1378842	40.00	ug/ml	0.00
71) d12-Chrysene	11.004	240	1434879	40.00	ug/ml	0.00
79) d12-Perylene	12.464	264	1277290	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.682	112	282215	20.02	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 26.69%			
5) d5-Phenol	3.701	99	341925	20.73	ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 27.64%			
20) d5-nitrobenzene	4.599	82	248981	21.28	ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 42.56%			
39) 2-Fluorobiphenyl	6.399	172	544819	18.58	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 37.16%#			
60) 2,4,6-Tribromophenol	7.795	330	88104	21.29	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 28.39%#			
73) d14-p-terphenyl	10.019	244	538661	18.97	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 37.94%#			

Target Compounds						Qvalue
2) Pyridine	1.531	79	153770	9.57	ug/ml	99
3) N-nitrosodimethylamine	1.512	74	83760	9.81	ug/ml	92
6) Aniline	3.692	93	226183m	10.22	ug/ml	
7) Phenol	3.715	94	352503	21.26	ug/ml	99
8) 2-Chlorophenol	3.809	128	307890	20.95	ug/ml	99
9) bis(2-chloroethyl) ether	3.781	63	139774	9.56	ug/ml	100
10) 1,3-Dichlorobenzene	3.958	146	193746	10.23	ug/ml	100
11) 1,4-Dichlorobenzene	4.038	146	182398	9.94	ug/ml	86
12) 1,2-Dichlorobenzene	4.188	146	188137	10.58	ug/ml	99
13) Benzyl Alcohol	4.197	108	80989	8.56	ug/ml#	81
14) 2-Methylphenol	4.337	108	247302	20.97	ug/ml	97
15) bis(2-chloroisopropyl)...	4.342	45	325217	9.31	ug/ml	99
16) 3+4-Methylphenol	4.506	108	253219	20.73	ug/ml	97
17) Hexachloroethane	4.529	117	66935	9.28	ug/ml	99
18) N-nitroso-di-n-propyla...	4.478	70	85564	11.40	ug/ml	97
21) Nitrobenzene	4.618	123	69881	11.23	ug/ml	90
22) Isophorone	4.875	82	231870	10.73	ug/ml	98
23) 2-Nitrophenol	4.941	139	169779	25.43	ug/ml	97
24) 2,4-Dimethylphenol	5.034	107	279435	22.72	ug/ml	97
25) Bis(2-chloroethoxy)met...	5.123	93	153492	10.70	ug/ml	96
26) 2,4-Dichlorophenol	5.198	162	260883	22.73	ug/ml	97

SRZW

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:43:42 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

AR 9/27/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.193	105	118567m	21.48 ug/ml	
28) 1,2,4-Trichlorobenzene	5.263	180	150241	10.56 ug/ml	96
29) Naphthalene	5.329	128	373296	10.32 ug/ml	98
30) 2,6-Dichlorophenol	5.418	162	215908	20.54 ug/ml	100
31) 4-Chloroaniline	5.413	127	169428	10.11 ug/ml	99
32) Hexachlorobutadiene	5.474	225	85678	10.13 ug/ml	95
33) 4-Chloro-3-methylphenol	5.942	107	217474	21.53 ug/ml	98
34) 2-Methylnaphthalene	6.018	141	223941	10.03 ug/ml	97
36) Hexachlorocyclopentadiene	6.180	237	72037	9.32 ug/ml	97
37) 2,4,6-Trichlorophenol	6.319	196	174641	20.84 ug/ml	98
38) 2,4,5-Trichlorophenol	6.363	196	206857	21.96 ug/ml	99
40) 2-Chloronaphthalene	6.493	162	247127	9.84 ug/ml	99
41) 2-Nitroaniline	6.614	138	105852	10.88 ug/ml	97
42) 2,6-Dinitrotoluene	6.863	165	71838	10.87 ug/ml	92
43) Dimethyl Phthalate	6.815	163	311554	10.13 ug/ml	99
44) Acenaphthylene	6.888	152	390882	10.35 ug/ml	99
45) 3-Nitroaniline	7.019	138	59975	10.74 ug/ml#	83
46) Acenaphthene	7.057	153	247730	10.34 ug/ml	100
47) 2,4-dinitrophenol	7.130	184	57481	24.15 ug/ml	98
48) Dibenzofuran	7.227	168	413378	11.07 ug/ml#	52
49) 4-Nitrophenol	7.242	109	68019	19.53 ug/ml	93
50) 2,4-Dinitrotoluene	7.251	165	91140	10.85 ug/ml#	84
51) 2,3,4,6-Tetrachlorophenol	7.368	232	164275	22.10 ug/ml	99
52) Fluorene	7.557	166	304471	10.74 ug/ml	100
53) Diethyl Phthalate	7.504	149	304700	10.53 ug/ml	100
54) 4-Chlorophenyl phenyl ...	7.581	204	152831	10.35 ug/ml	97
55) 4-Nitroaniline	7.611	138	47987m	11.08 ug/ml	
56) 4,6-Dinitro-2-methylph...	7.645	198	105193	23.70 ug/ml	100
57) n-nitrosodiphenylamine	7.703	169	220663	10.63 ug/ml	98
58) Azobenzene	7.732	77	258437	10.50 ug/ml	99
59) Biphenyl	6.489	154	307139	9.90 ug/ml	99
62) 4-bromophenyl phenyl e...	8.047	248	97525	10.28 ug/ml	98
63) Hexachlorobenzene	8.083	284	100856	10.44 ug/ml	99
64) Pentachlorophenol	8.294	266	117268	19.60 ug/ml	86
65) Phenanthrene	8.479	178	415074	10.12 ug/ml	100
66) Anthracene	8.524	178	439067	10.36 ug/ml	100
67) Carbazole	8.699	167	276593	11.14 ug/ml	99
68) Di-n-butyl phthalate	9.087	149	524314	10.47 ug/ml	100
69) Fluoranthene	9.616	202	482091	10.43 ug/ml	99
70) Benzidine	9.789	184	79265	11.16 ug/ml	98
72) Pyrene	9.825	202	492987	10.18 ug/ml	99
74) Butyl benzyl phthalate	10.520	149	233888	10.44 ug/ml	99
75) Benzo[a]anthracene	10.985	228	396476	10.06 ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:43:42 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.022	228	405069	9.69 ug/ml	98
77) 3,3'-Dichlorobenzidine	10.996	252	106210	12.33 ug/ml#	96
78) Bis (2-ethylhexyl) pht...	11.098	149	300033	10.53 ug/ml	99
80) di-n-octyl-phthalate	11.751	149	510652	10.59 ug/ml	99
81) Benzo[b] fluoranthene	12.053	252	387980	10.85 ug/ml	98
82) Benzo[k] fluoranthene	12.082	252	375906	8.87 ug/ml	99
83) Benzo[a] pyrene	12.392	252	389882	10.67 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	13.625	276	312217m	11.70 ug/ml	
85) Dibenz [a,h] anthracene	13.661	278	324181	11.44 ug/ml	98
86) Benzo(g,h,i) perylene	13.917	276	346670	11.02 ug/ml	98

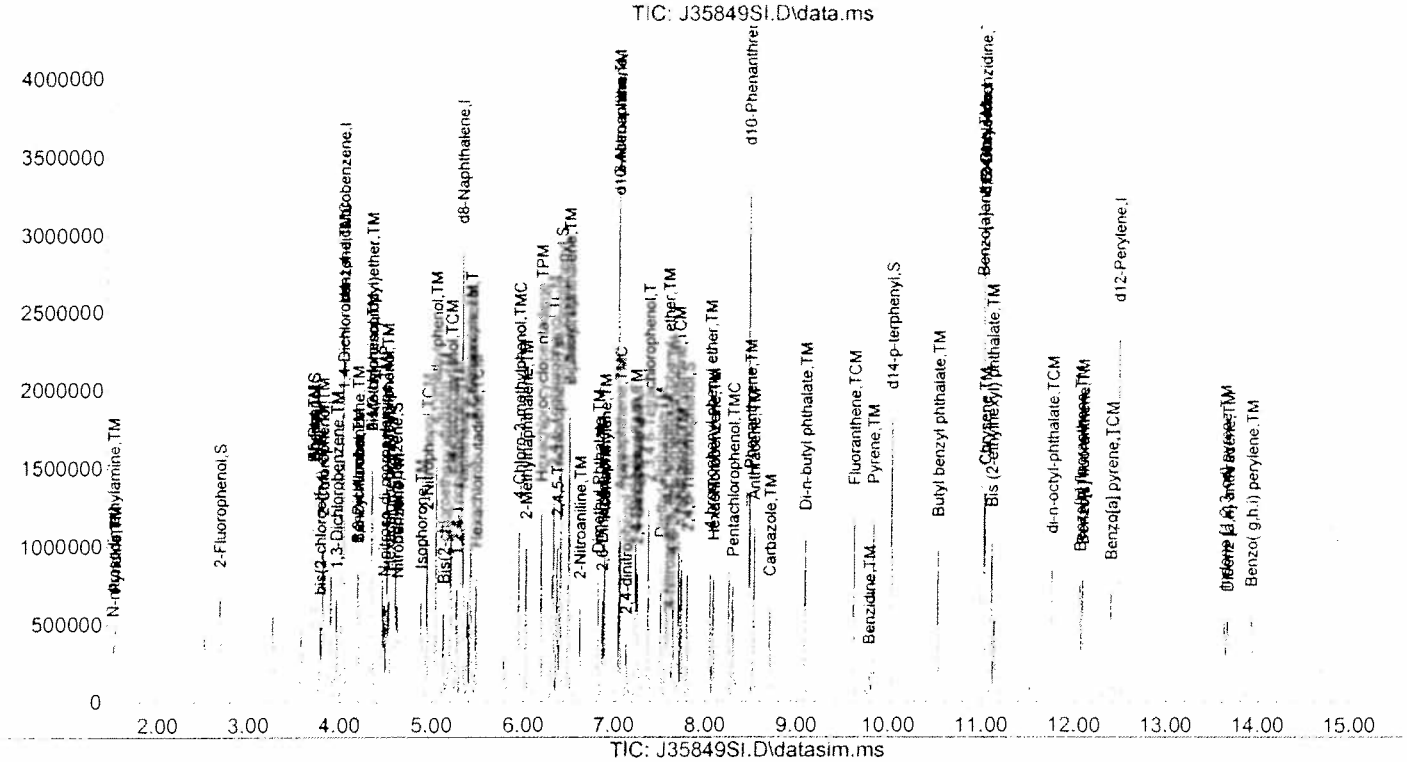
(#) = qualifier out of range (m) = manual integration (+) = signals summed

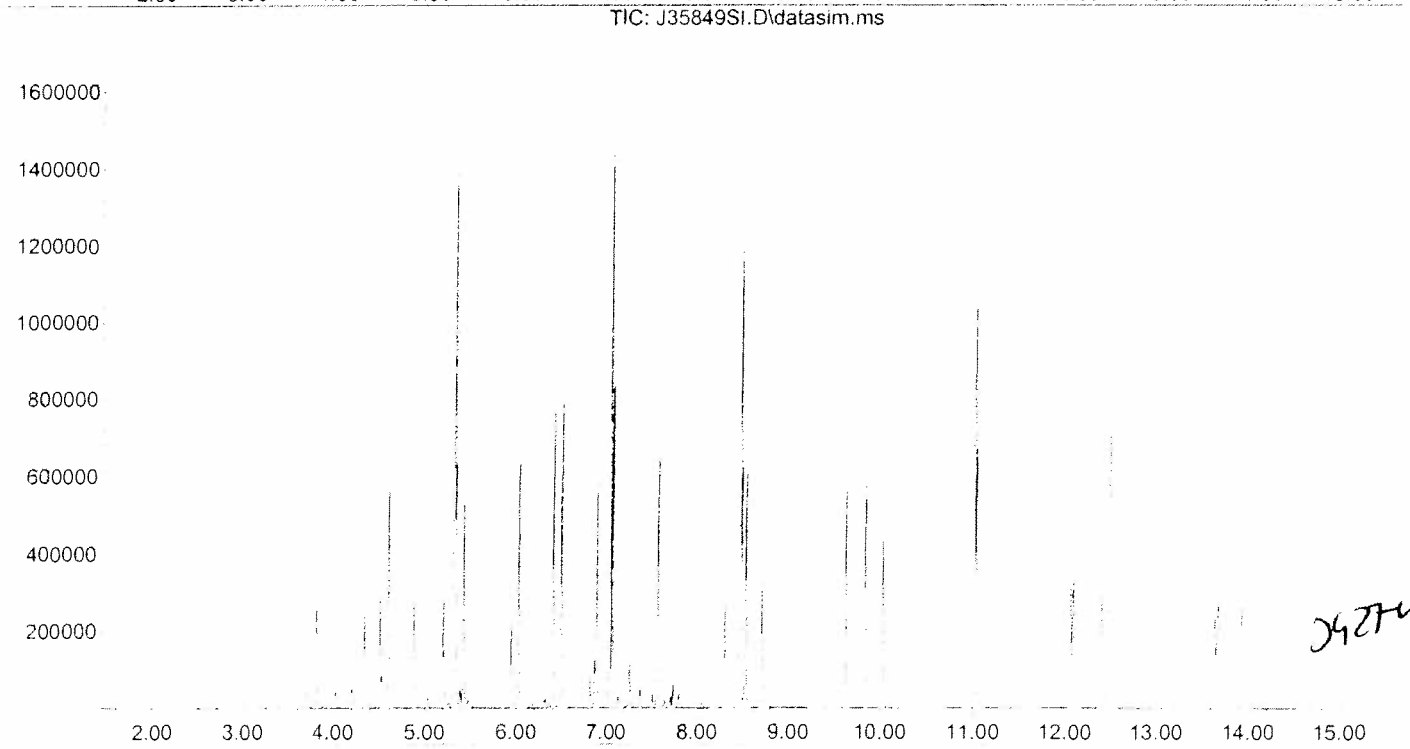
51270

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:43:42 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

9/23/10





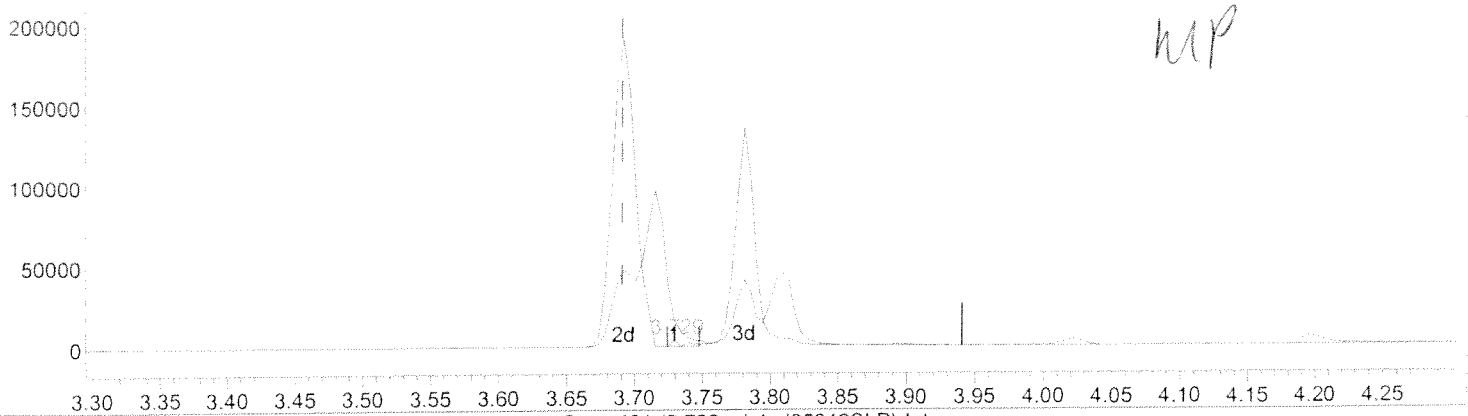
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

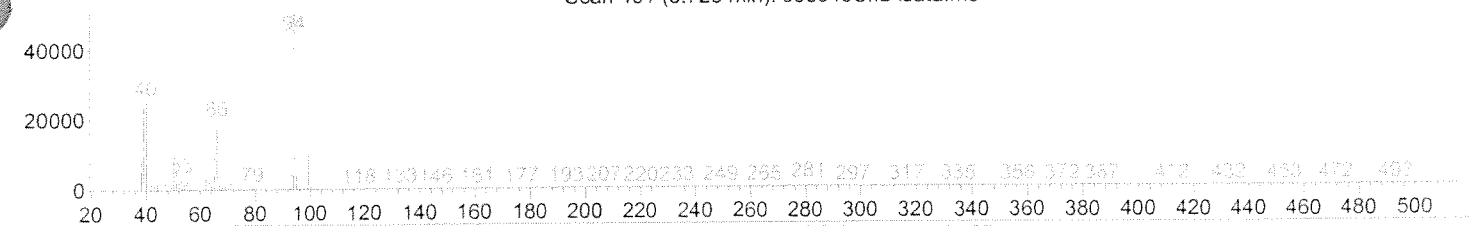
9/23/10

Ion 93.00 (92.70 to 93.70): J35849SI.D\data.ms
Ion 65.00 (64.70 to 65.70): J35849SI.D\data.ms

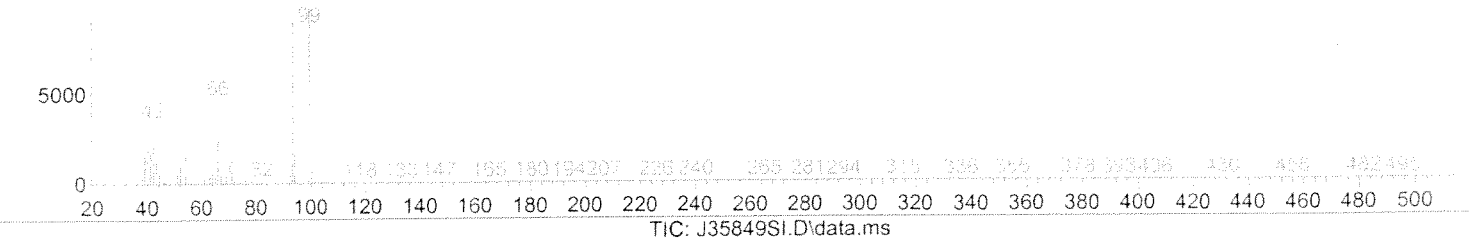
MP



Scan 491 (3.729 min): J35849SI.D\data.ms



Scan 476 (3.759 min): J35704SC.D\data.ms (-467) (-)



TIC: J35849SI.D\data.ms

(6) Aniline (TM)

3.729min (+0.038) 0.12ug/ml

response 2766

Ion	Exp%	Act%
93.00	100	100
65.00	73.30	5960.34#
0.00	0.00	0.00
0.00	0.00	0.00

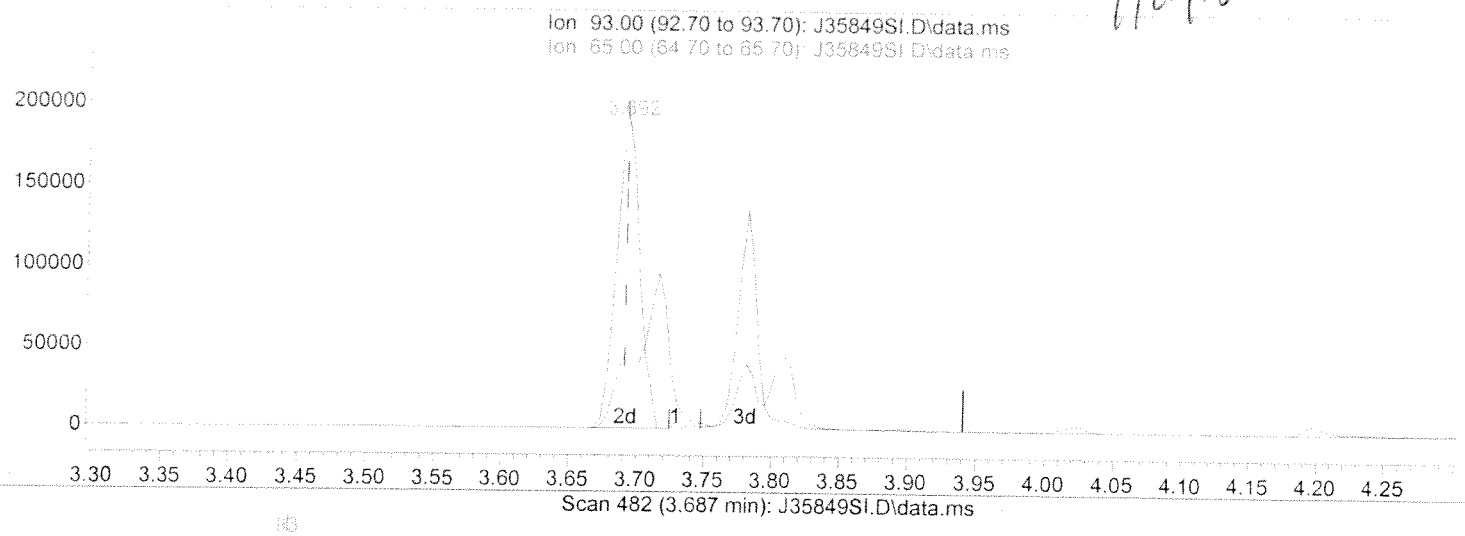
5927W

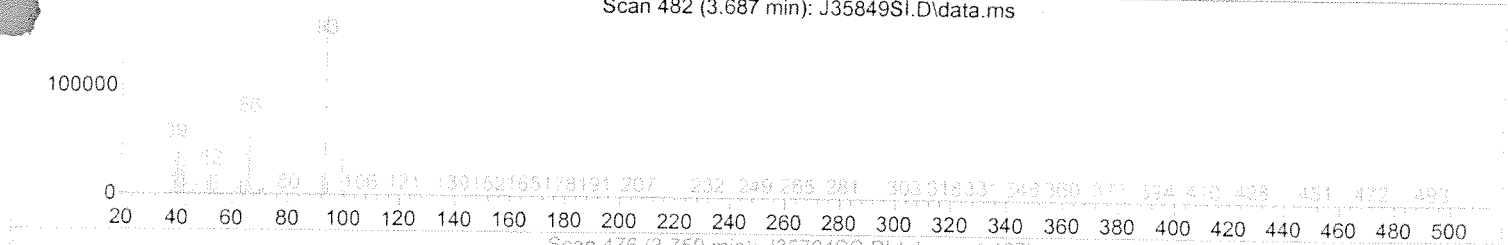
Quantitation Report (Qedit)

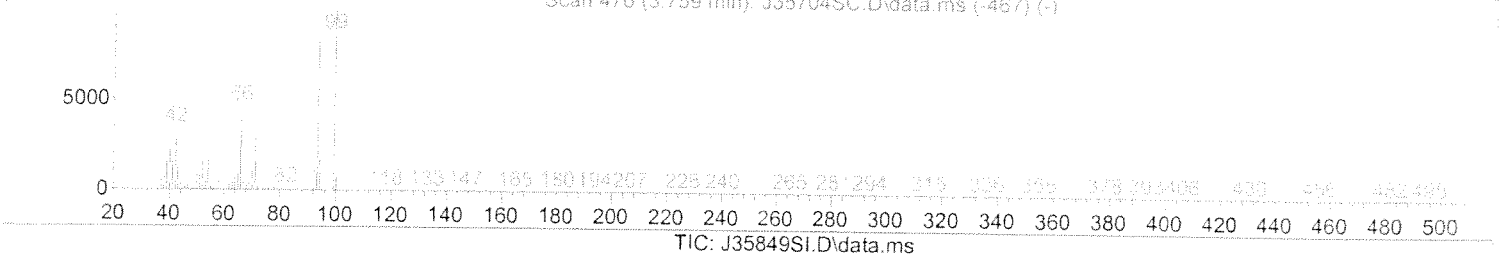
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

AN
9/23/10







(6) Aniline (TM)

3.692min (+0.001) 10.22ug/ml m

response 226183

Ion	Exp%	Act%
93.00	100	100
65.00	73.30	72.89
0.00	0.00	0.00
0.00	0.00	0.00

54270

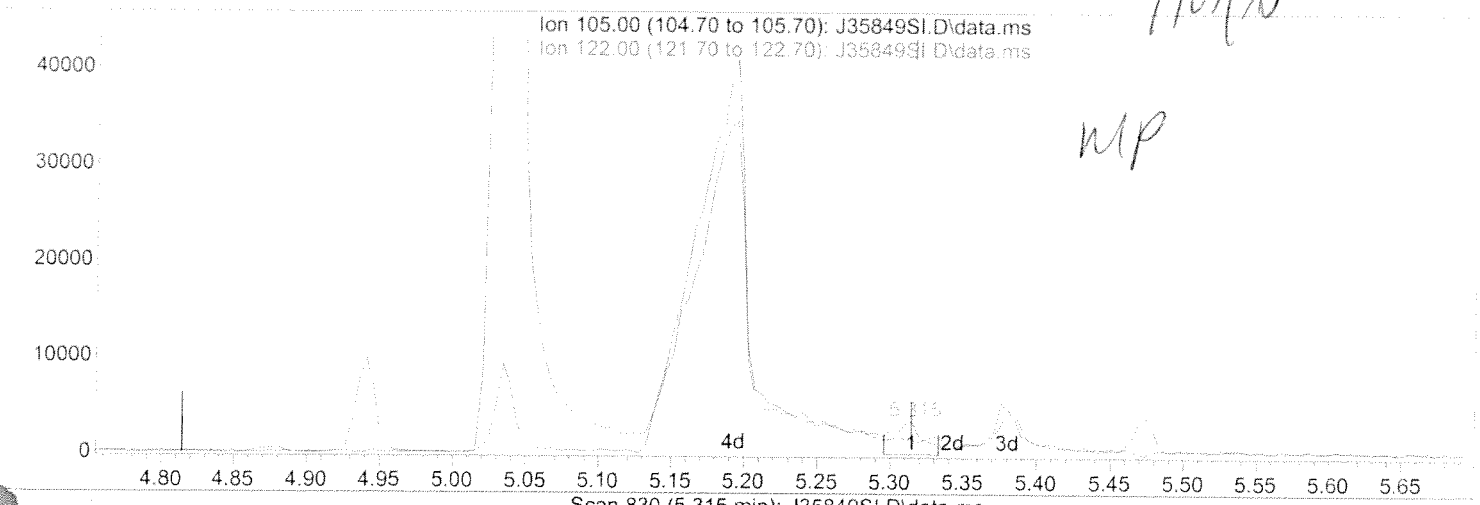
Quantitation Report (Qedit)

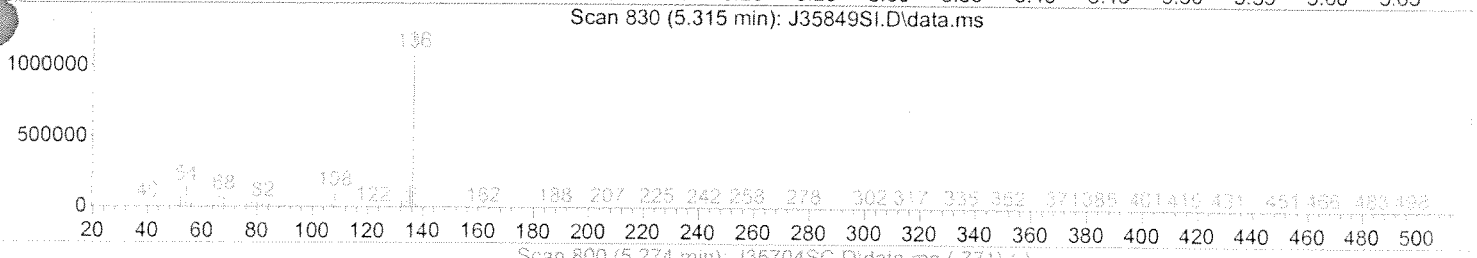
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

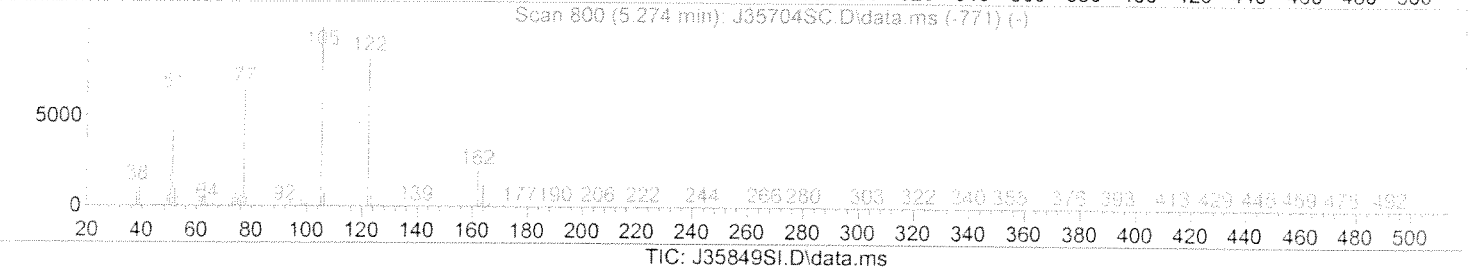
Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

MN
9/23/10

MP







TIC: J35849SI.D\data.ms

(27) Benzoic Acid (TM)

5.315min (-0.000) 8.65ug/ml

response 4657

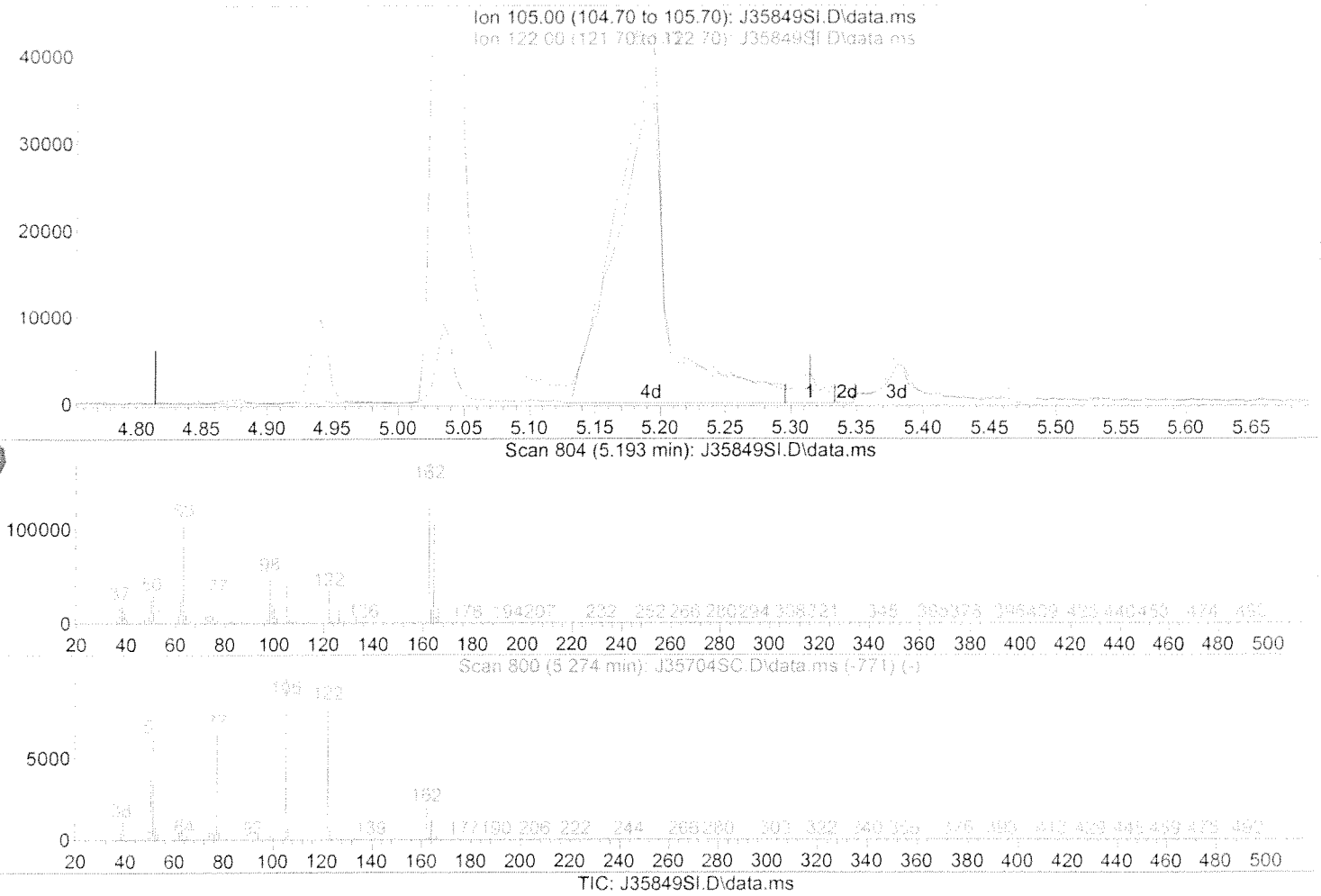
Ion	Exp%	Act%
105.00	100	100
122.00	3.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

SGTW

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

9/23/10



(27) Benzoic Acid (TM)

5.193min (-0.122) 21.48ug/ml m

response 118567

Ion	Exp%	Act%
105.00	100	100
122.00	3.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

J9270

Quantitation Report (Qedit)

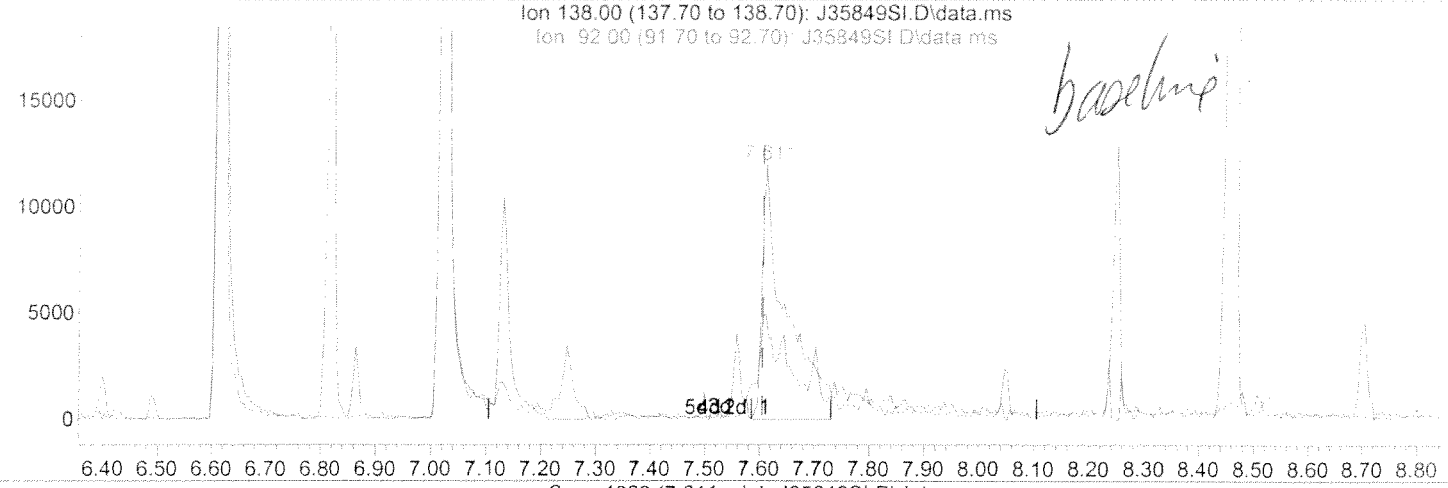
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

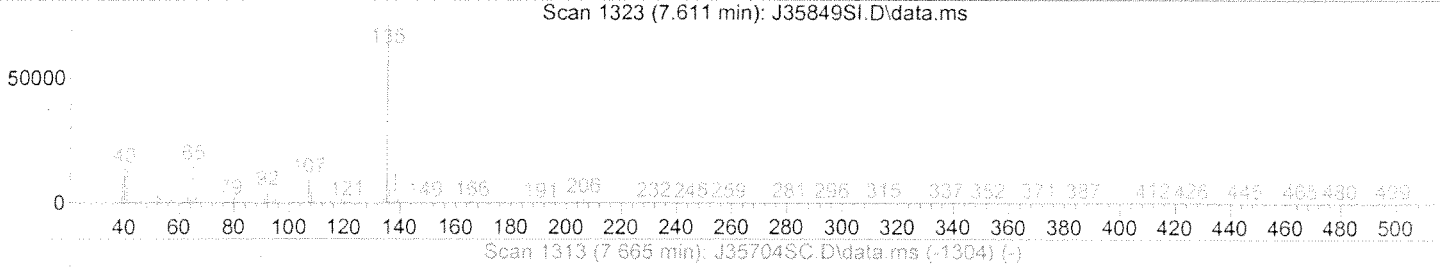
9/23/10

Ion 138.00 (137.70 to 138.70): J35849SI.D\data.ms
Ion 92.00 (91.70 to 92.70): J35849SI.D\data.ms

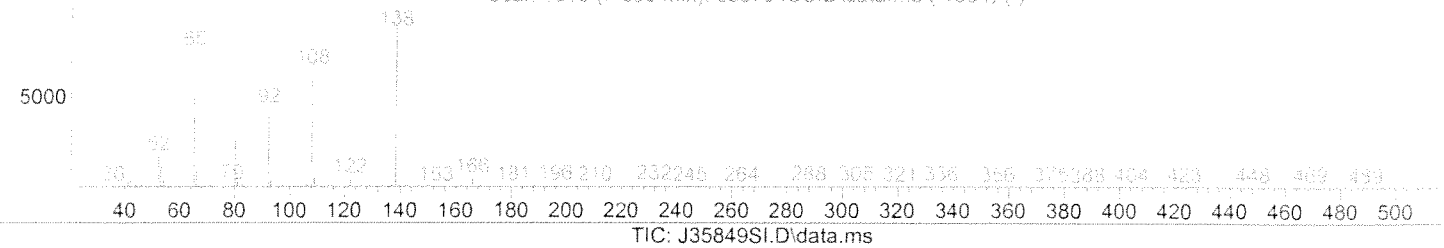
baseline



Scan 1323 (7.611 min): J35849SI.D\data.ms



Scan 1313 (7.665 min): J35704SC.D\data.ms (-1304) (-)



TIC: J35849SI.D\data.ms

(55) 4-Nitroaniline (TM)

7.611min (+0.005) 9.04ug/ml

response 36570

Ion	Exp%	Act%
138.00	100	100
92.00	52.60	25.82#
0.00	0.00	0.00
0.00	0.00	0.00

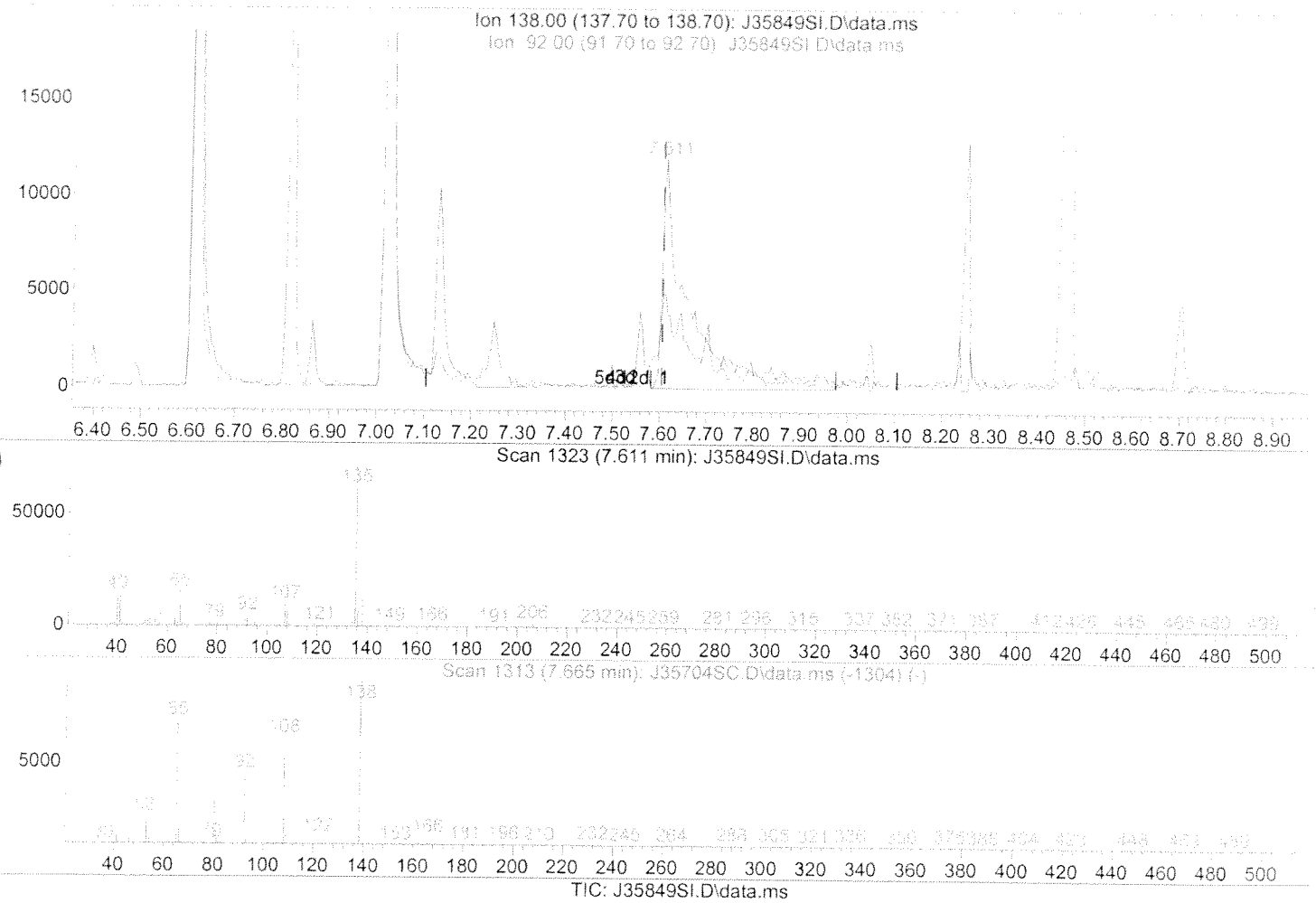
SZW

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

9/23/10



(55) 4-Nitroaniline (TM)

7.611min (+0.005) 11.08ug/ml m

response 47987

Ion	Exp%	Act%
138.00	100	100
92.00	52.60	19.68#
0.00	0.00	0.00
0.00	0.00	0.00

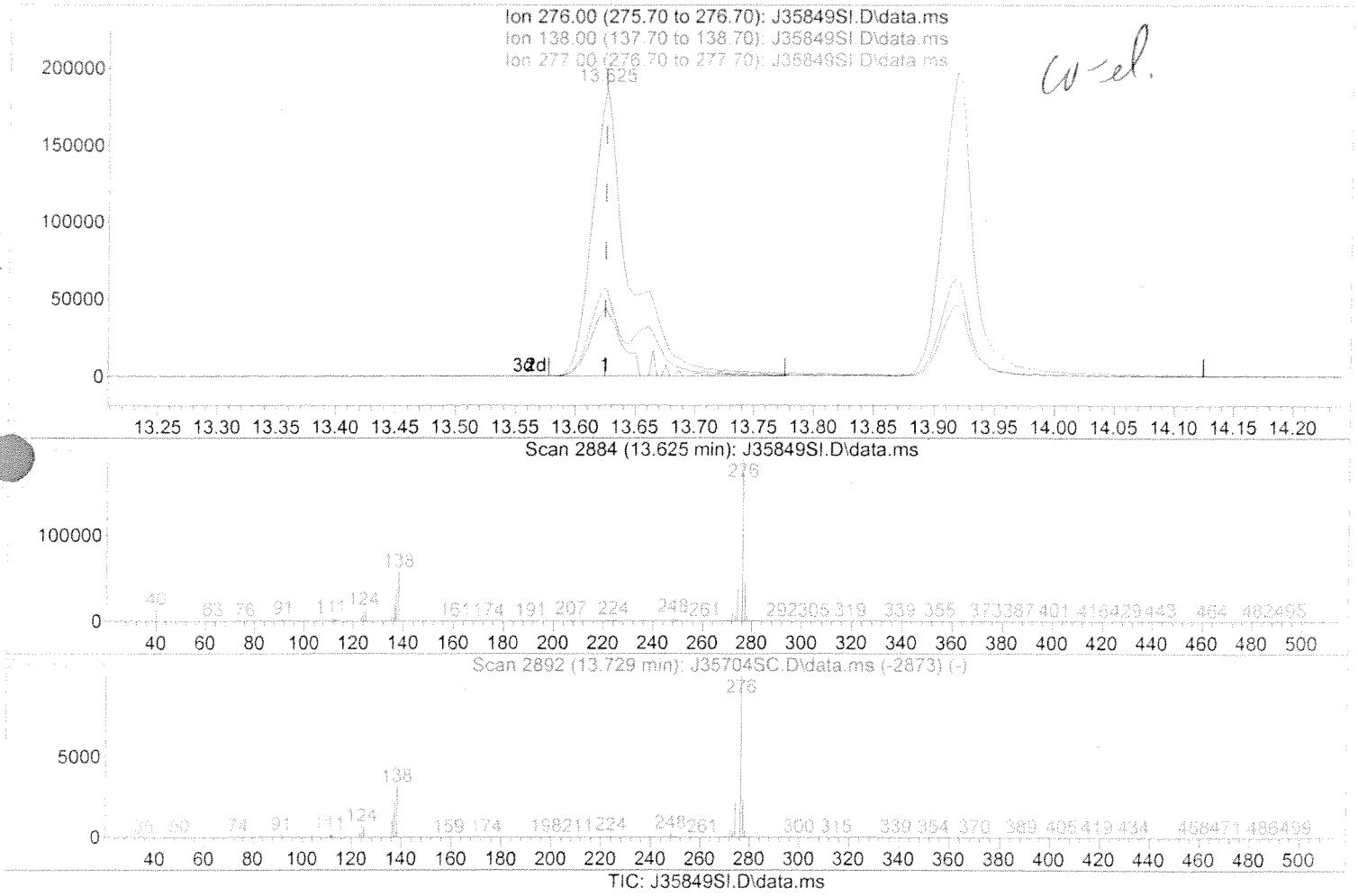
392KW

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

9/07/10

co-el.



(84) Indeno [1,2,3-cd] pyrene (TM)

13.625min (-0.000) 14.67ug/ml

response 405890

Ion	Exp%	Act%
276.00	100	100
138.00	32.90	22.49#
277.00	26.20	19.03#
0.00	0.00	0.00

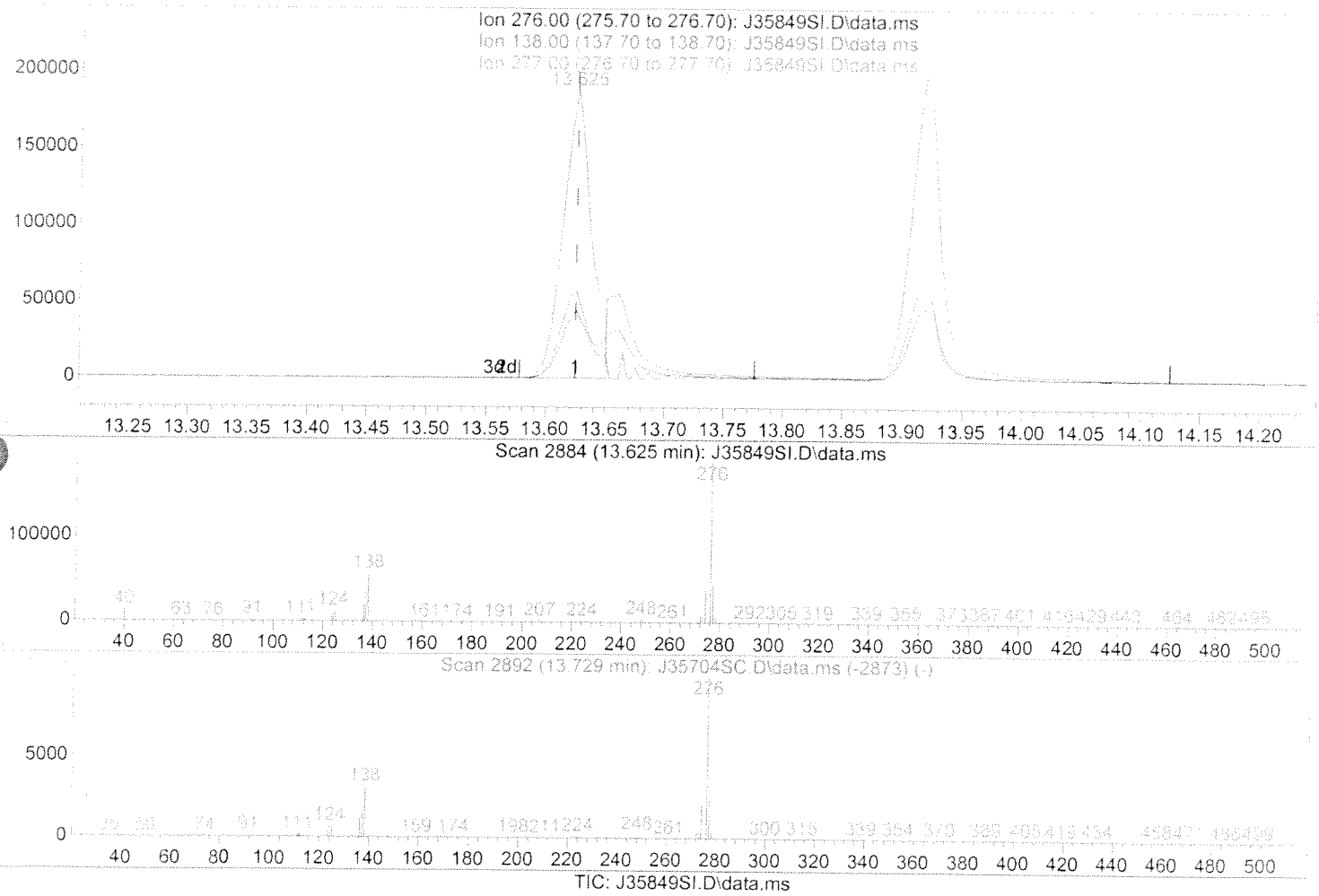
SZMO

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

PN 9/23/10



(84) Indeno [1,2,3-cd] pyrene (TM)

13.625min (-0.000) 11.70ug/ml m

response 312217

Ion	Exp%	Act%
276.00	100	100
138.00	32.90	29.23
277.00	26.20	24.74
0.00	0.00	0.00

JGOW

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:45:58 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

MV 9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.024	152	460445	40.00	ug/ml	0.00
19) d8-Naphthalene	5.315	136	1393266	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.033	164	783890	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.460	188	1380967	40.00	ug/ml	0.00
71) d12-Chrysene	11.007	240	1380454	40.00	ug/ml	0.00
79) d12-Perylene	12.468	264	1273609	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.682	112	555346	40.64	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 54.19%			
5) d5-Phenol	3.711	99	648551	40.57	ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 54.09%			
20) d5-nitrobenzene	4.604	82	480903	39.83	ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 79.66%			
39) 2-Fluorobiphenyl	6.404	172	1042627	37.95	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 75.90%			
60) 2,4,6-Tribromophenol	7.800	330	174783	42.33	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 56.44%			
73) d14-p-terphenyl	10.023	244	985871	36.09	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 72.18%			

Target Compounds						Qvalue
2) Pyridine	1.531	79	305200	19.59	ug/ml	98
3) N-nitrosodimethylamine	1.512	74	165751	20.03	ug/ml	99
6) Aniline	3.697	93	433521m	20.20	ug/ml	
7) Phenol	3.725	94	660670	41.11	ug/ml	90
8) 2-Chlorophenol	3.813	128	573293	40.24	ug/ml	99
9) bis(2-chloroethyl) ether	3.785	63	280575	19.80	ug/ml	98
10) 1,3-Dichlorobenzene	3.958	146	371558	20.23	ug/ml	100
11) 1,4-Dichlorobenzene	4.038	146	357674	20.11	ug/ml	98
12) 1,2-Dichlorobenzene	4.188	146	358970	20.83	ug/ml	99
13) Benzyl Alcohol	4.202	108	158537	17.29	ug/ml	96
14) 2-Methylphenol	4.342	108	477119	41.74	ug/ml	98
15) bis(2-chloroisopropyl)...	4.347	45	581821	17.97	ug/ml	99
16) 3+4-Methylphenol	4.510	108	476358	40.23	ug/ml	99
17) Hexachloroethane	4.529	117	124848	18.30	ug/ml	98
18) N-nitroso-di-n-propyla...	4.482	70	167132	22.96	ug/ml	99
21) Nitrobenzene	4.623	123	134017	20.86	ug/ml	97
22) Isophorone	4.885	82	447200	20.05	ug/ml	99
23) 2-Nitrophenol	4.945	139	330781	48.00	ug/ml	99
24) 2,4-Dimethylphenol	5.039	107	525175	41.37	ug/ml	99
25) Bis(2-chloroethoxy)met...	5.128	93	309527	20.91	ug/ml	98
26) 2,4-Dichlorophenol	5.203	162	487208	41.14	ug/ml	97

092710

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:45:58 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

MN 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.240	105	270097	37.43 ug/ml#	100
28) 1,2,4-Trichlorobenzene	5.263	180	289151	19.69 ug/ml	99
29) Naphthalene	5.334	128	755379	20.23 ug/ml	100
30) 2,6-Dichlorophenol	5.422	162	434424	40.05 ug/ml	97
31) 4-Chloroaniline	5.418	127	332419	20.57 ug/ml	99
32) Hexachlorobutadiene	5.474	225	173137	19.83 ug/ml	100
33) 4-Chloro-3-methylphenol	5.947	107	434768	41.71 ug/ml	99
34) 2-Methylnaphthalene	6.023	141	460384	19.98 ug/ml	98
36) Hexachlorocyclopentadiene	6.184	237	159832	19.56 ug/ml	100
37) 2,4,6-Trichlorophenol	6.323	196	347302	41.54 ug/ml	99
38) 2,4,5-Trichlorophenol	6.363	196	402029	42.79 ug/ml	97
40) 2-Chloronaphthalene	6.493	162	471294	19.99 ug/ml	100
41) 2-Nitroaniline	6.619	138	218894	21.62 ug/ml	97
42) 2,6-Dinitrotoluene	6.868	165	144864	21.28 ug/ml	99
43) Dimethyl Phthalate	6.819	163	625654	20.39 ug/ml	99
44) Acenaphthylene	6.887	152	775858	20.59 ug/ml	100
45) 3-Nitroaniline	7.028	138	111025	19.92 ug/ml	95
46) Acenaphthene	7.062	153	480559	20.10 ug/ml	99
47) 2,4-dinitrophenol	7.135	184	143040	47.37 ug/ml	99
48) Dibenzofuran	7.232	168	786279	21.12 ug/ml	98
49) 4-Nitrophenol	7.246	109	139485	39.64 ug/ml	96
50) 2,4-Dinitrotoluene	7.256	165	174172	19.97 ug/ml	99
51) 2,3,4,6-Tetrachlorophenol	7.372	232	317112	42.76 ug/ml	100
52) Fluorene	7.562	166	563389	19.92 ug/ml	100
53) Diethyl Phthalate	7.513	149	585185	20.28 ug/ml	100
54) 4-Chlorophenyl phenyl ...	7.581	204	283611	20.20 ug/ml	100
55) 4-Nitroaniline	7.615	138	110889m	22.34 ug/ml	
56) 4,6-Dinitro-2-methylph...	7.649	198	220990	44.35 ug/ml	98
57) n-nitrosodiphenylamine	7.707	169	416973	20.15 ug/ml	99
58) Azobenzene	7.736	77	483629	19.70 ug/ml	98
59) Biphenyl	6.489	154	583857	20.35 ug/ml	99
62) 4-bromophenyl phenyl e...	8.051	248	185678	19.55 ug/ml	97
63) Hexachlorobenzene	8.087	284	191610	19.81 ug/ml	99
64) Pentachlorophenol	8.298	266	240803	40.19 ug/ml	99
65) Phenanthrene	8.483	178	793584	19.33 ug/ml	100
66) Anthracene	8.528	178	830930	19.58 ug/ml	99
67) Carbazole	8.704	167	481187	20.84 ug/ml	99
68) Di-n-butyl phthalate	9.091	149	985385	19.65 ug/ml	100
69) Fluoranthene	9.619	202	884645	19.10 ug/ml	100
70) Benzidine	9.788	184	181904	25.56 ug/ml	96
72) Pyrene	9.828	202	923401	19.82 ug/ml	100
74) Butyl benzyl phthalate	10.523	149	449754	20.86 ug/ml	100
75) Benzo[a]anthracene	10.988	228	764708	20.17 ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:45:58 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

PN 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.026	228	771156	19.18 ug/ml	100
77) 3,3'-Dichlorobenzidine	10.996	252	194571	23.48 ug/ml	99
78) Bis (2-ethylhexyl) pht...	11.101	149	572021	20.87 ug/ml	99
80) di-n-octyl-phthalate	11.750	149	986594	19.79 ug/ml	100
81) Benzo[b] fluoranthene	12.060	252	716456	20.09 ug/ml	99
82) Benzo[k] fluoranthene	12.089	252	754661	18.89 ug/ml	99
83) Benzo[a] pyrene	12.396	252	741615	20.36 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	13.632	276	609792m	21.23 ug/ml	
85) Dibenz [a,h] anthracene	13.668	278	621406	20.66 ug/ml	100
86) Benzo(g,h,i) perylene	13.927	276	653829	20.84 ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

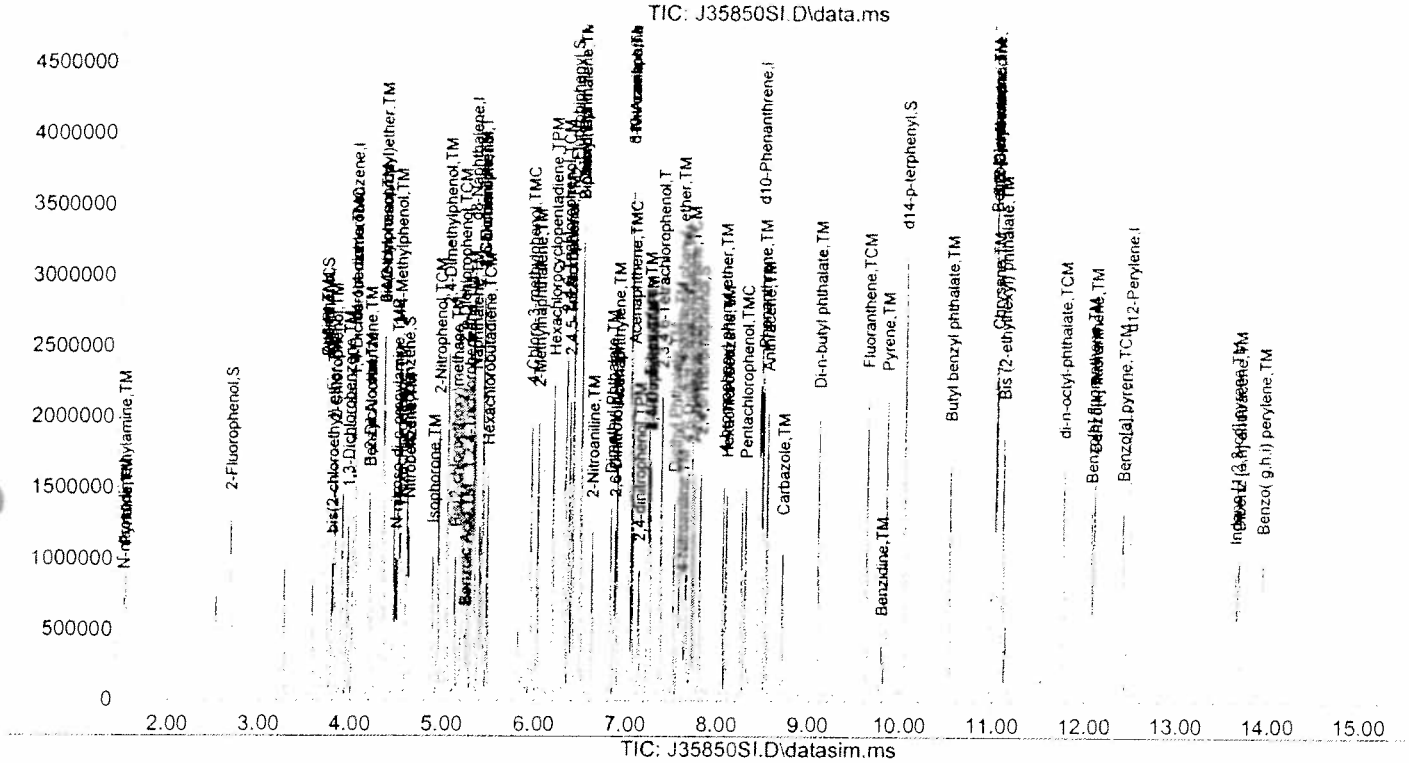
JRZ 9/23/10

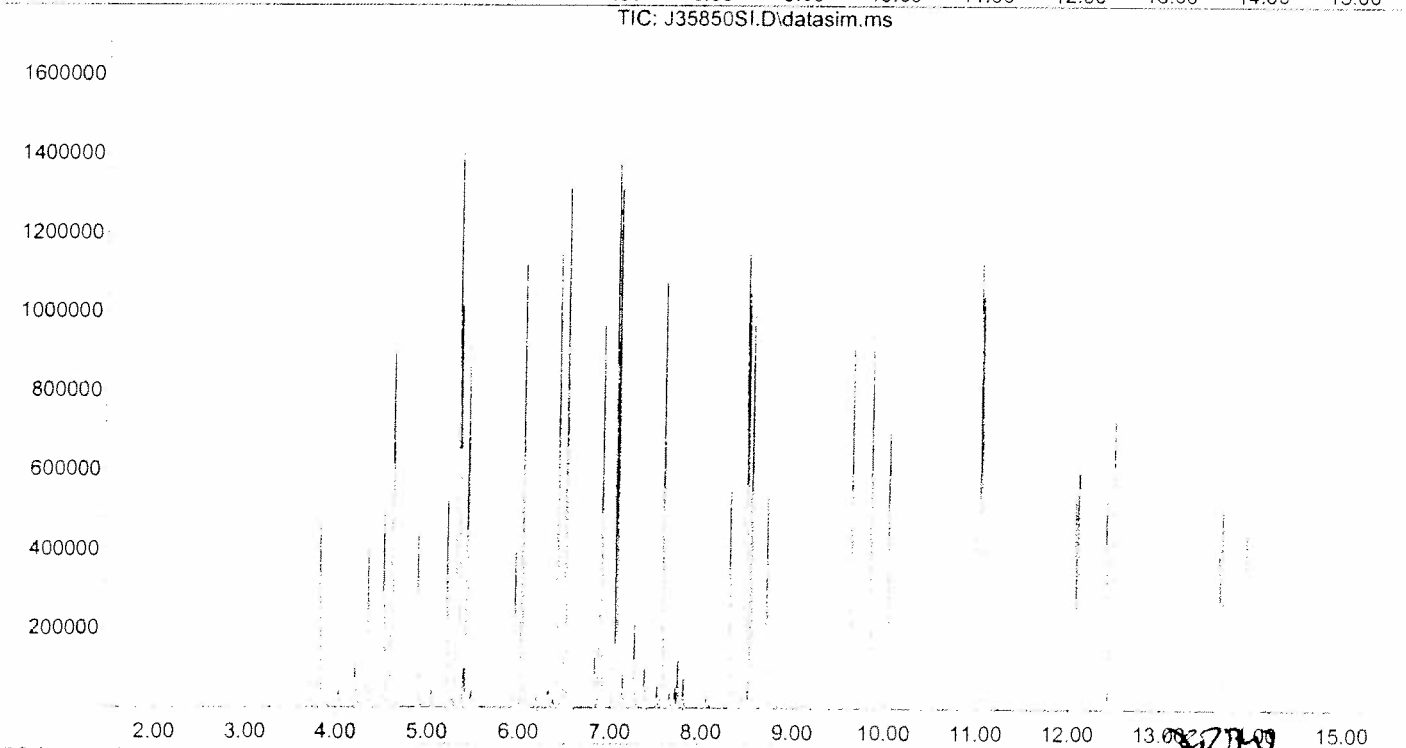
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:45:58 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

9/23/10





Quantitation Report (Qedit)

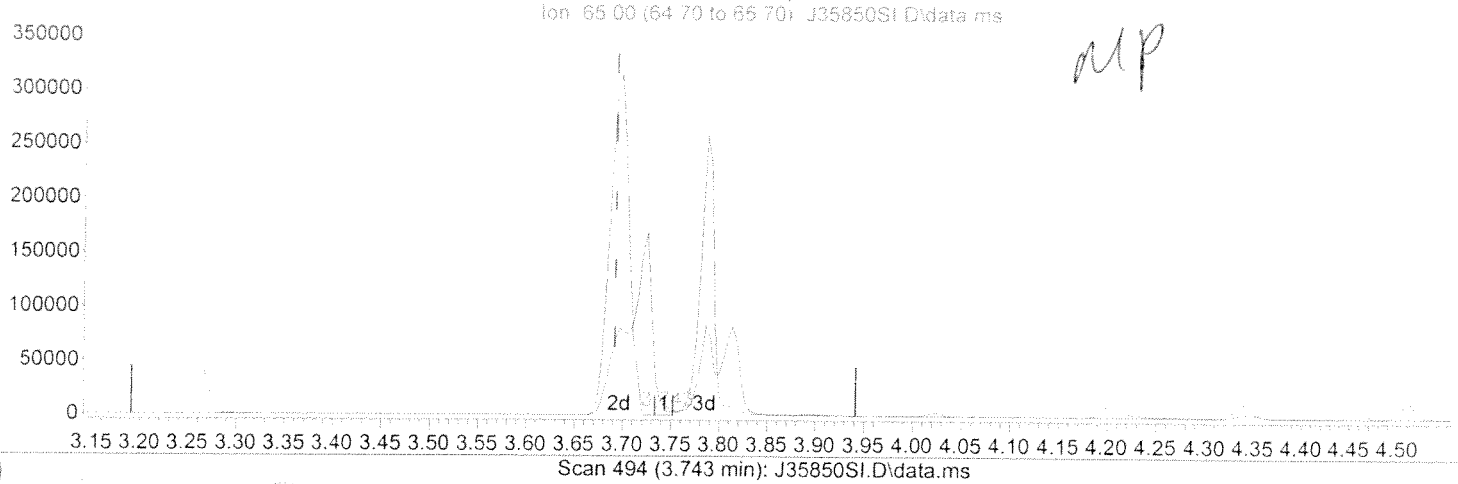
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:44:08 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

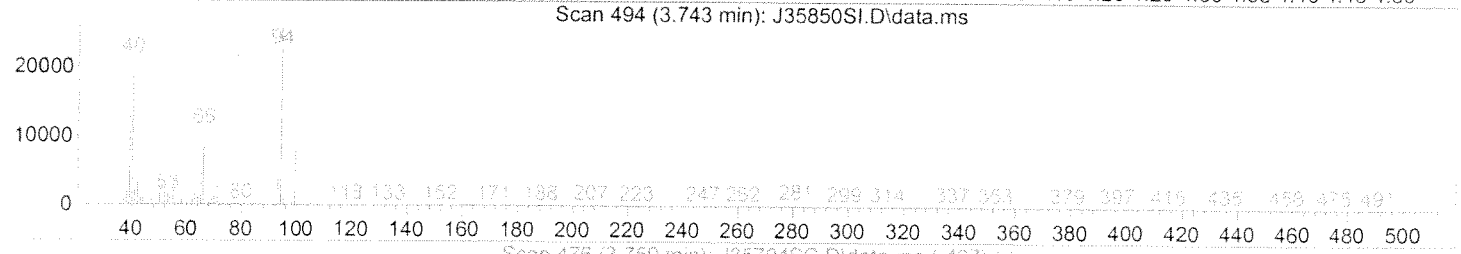
AN
9/23/10

Ion 93.00 (92.70 to 93.70): J35850SI.D\data.ms
Ion 65.00 (64.70 to 65.70): J35850SI.D\data.ms

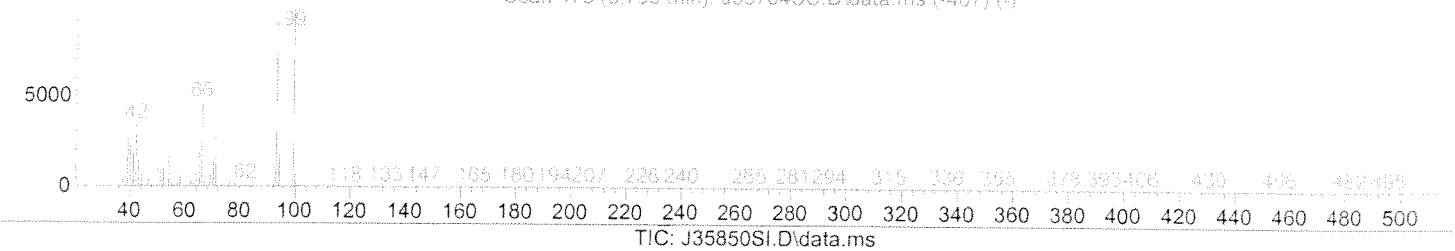
MP



Scan 494 (3.743 min): J35850SI.D\data.ms



Scan 476 (3.759 min): J35704SC.D\data.ms (-467) (-)



TIC: J35850SI.D\data.ms

5927W

(6) Aniline (TM)

3.743min (+0.051) 0.13ug/ml

response 2812

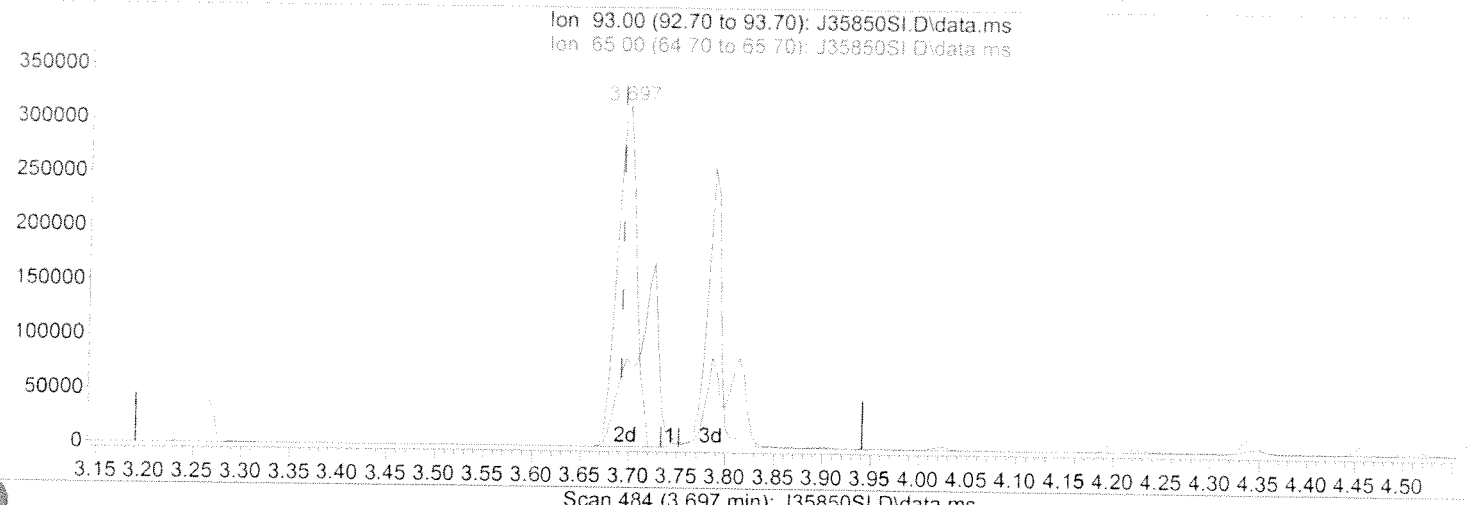
Ion	Exp%	Act%
93.00	100	100
65.00	72.90	10792.46#
0.00	0.00	0.00
0.00	0.00	0.00

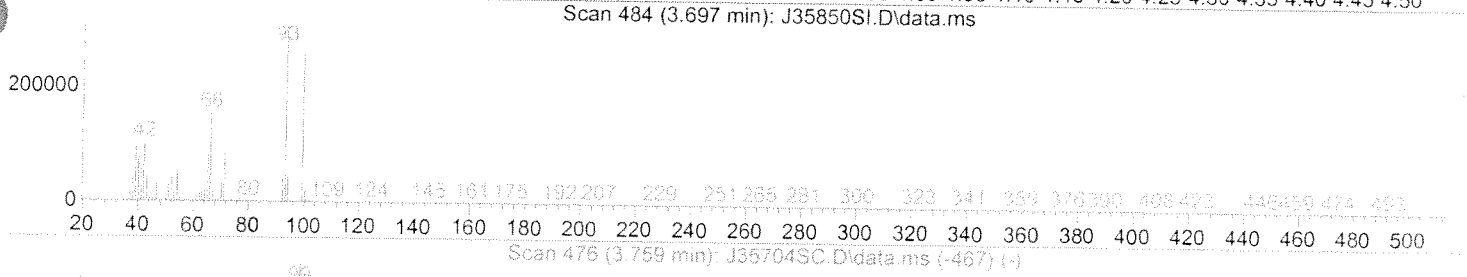
Quantitation Report (Qedit)

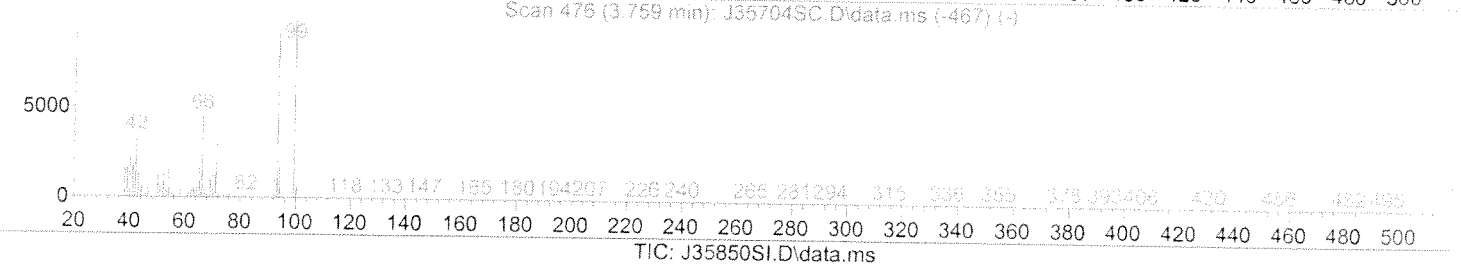
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:44:08 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

9/27/10







TIC: J35850SI.D\data.ms

592700

(6) Aniline (TM)

3.697min (+0.005) 20.20ug/ml m

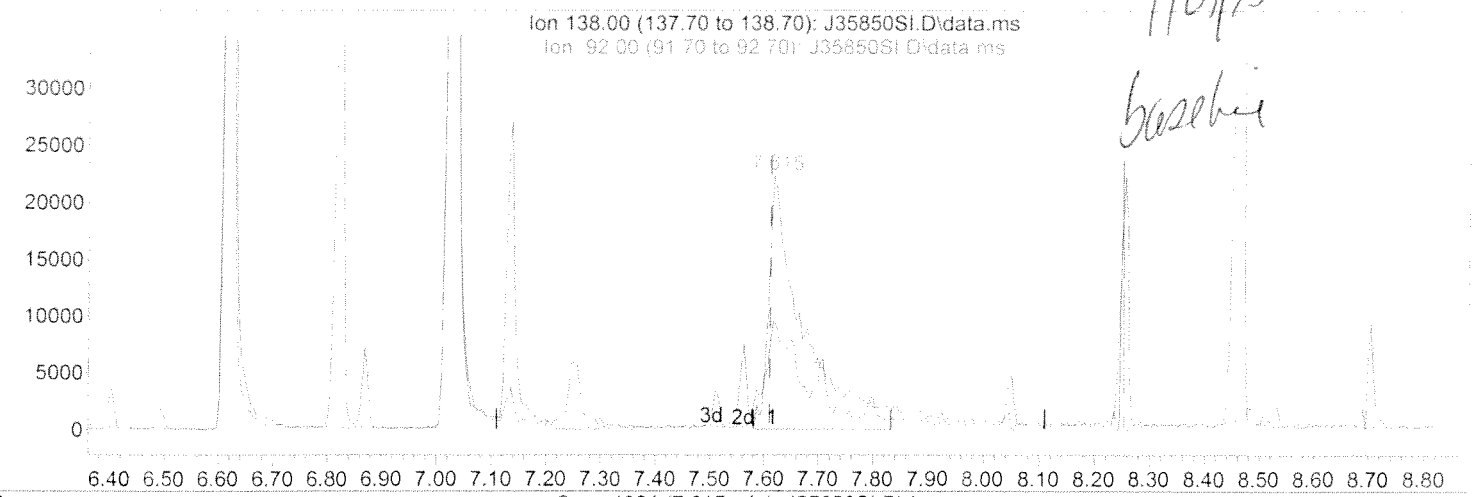
response 433521

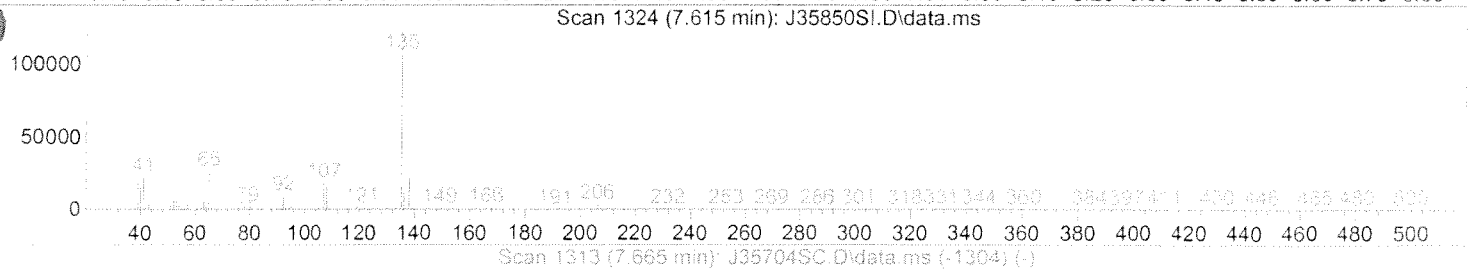
Ion	Exp%	Act%
93.00	100	100
65.00	72.90	70.00
0.00	0.00	0.00
0.00	0.00	0.00

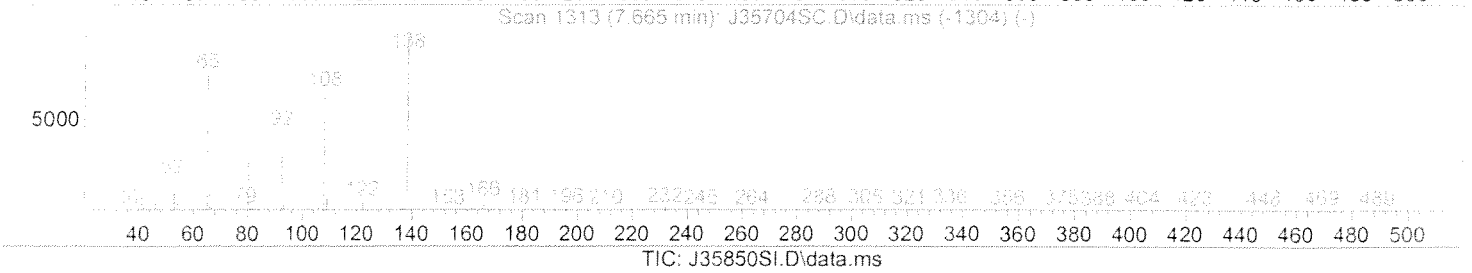
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:44:08 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

AN
9/23/10
baseline







(55) 4-Nitroaniline (TM)

7.615min (+0.005) 20.16ug/ml

response 98622

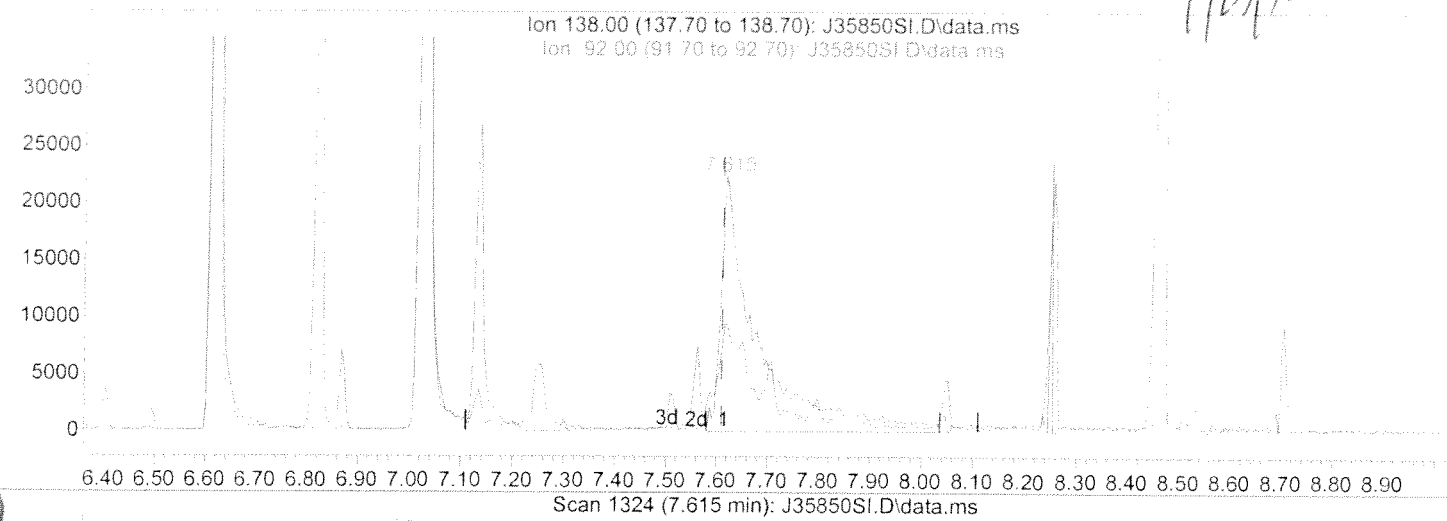
Ion	Exp%	Act%
138.00	100	100
92.00	19.70	35.79#
0.00	0.00	0.00
0.00	0.00	0.00

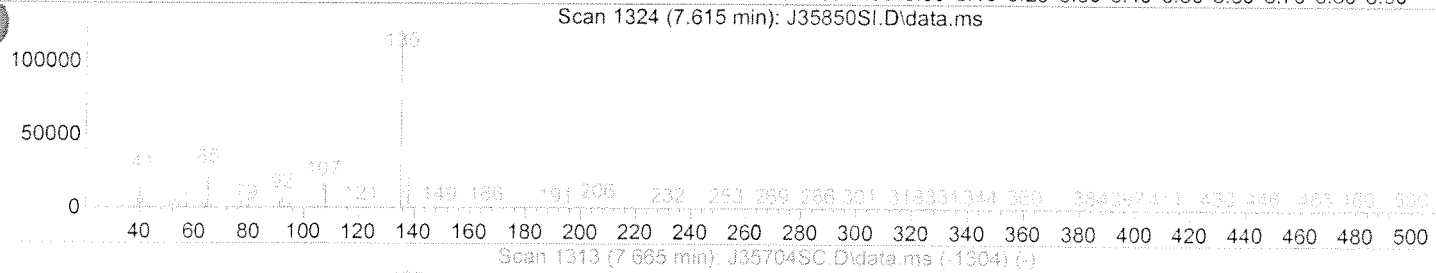
J9270

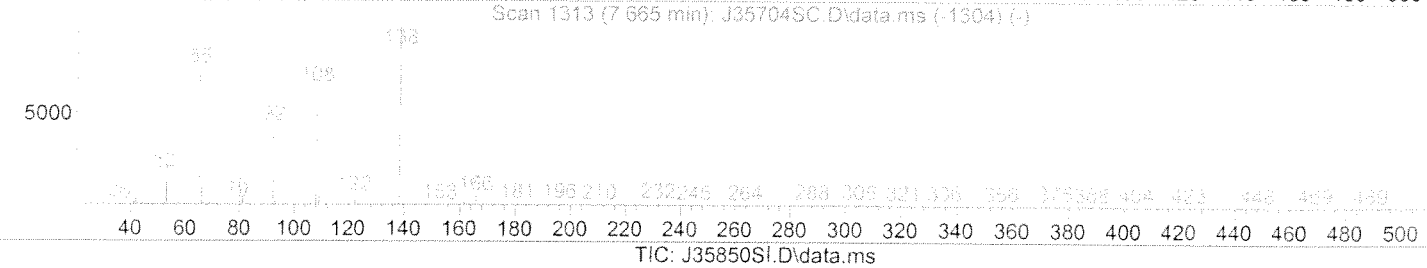
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:44:08 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

PN 9/23/10







TIC: J35850SI.D\data.ms

(55) 4-Nitroaniline (TM)

7.615min (+0.005) 22.34ug/ml m

response 110889

Ion	Exp%	Act%
138.00	100	100
92.00	19.70	31.83#
0.00	0.00	0.00
0.00	0.00	0.00

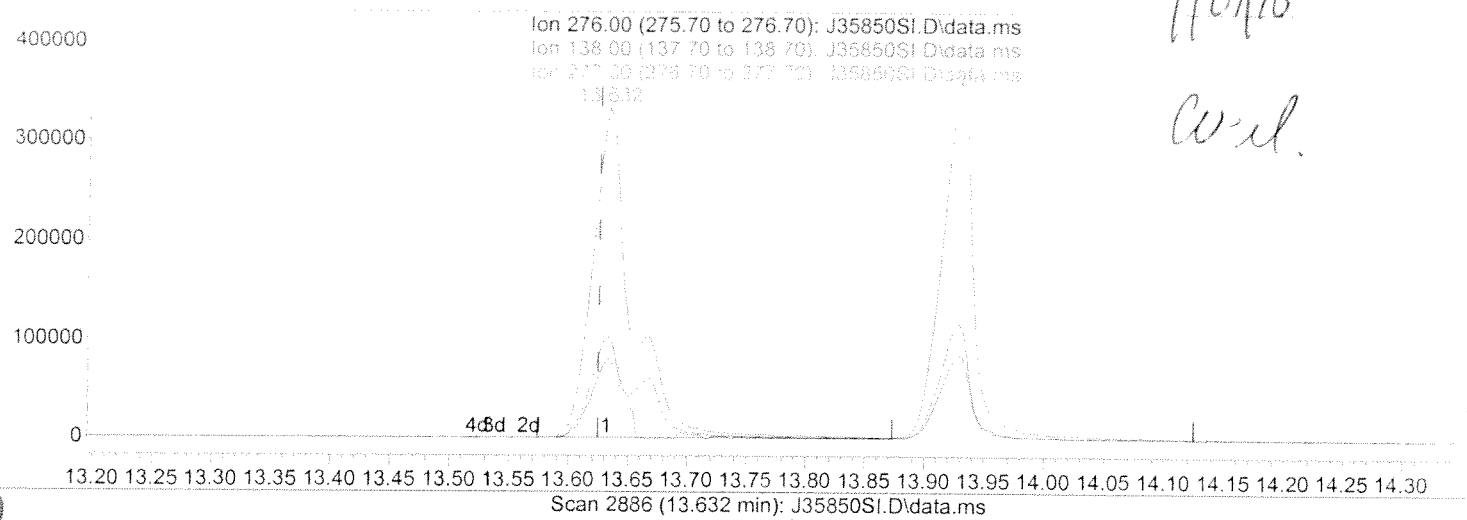
JGZ RW

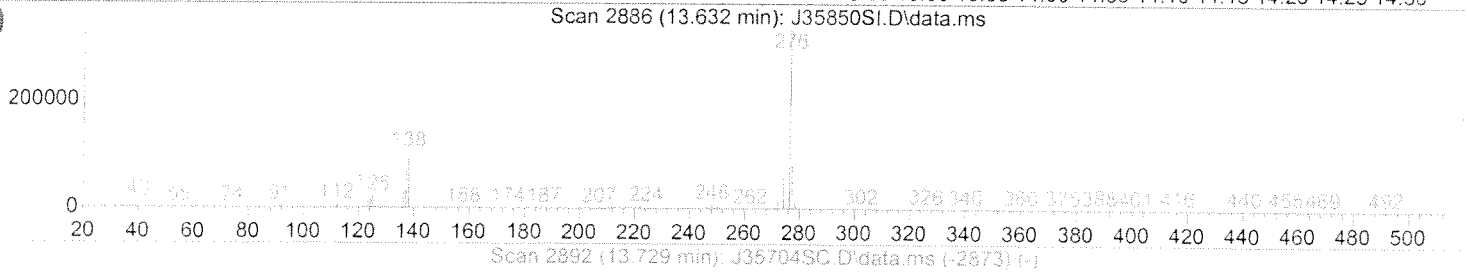
Quantitation Report (Qedit)

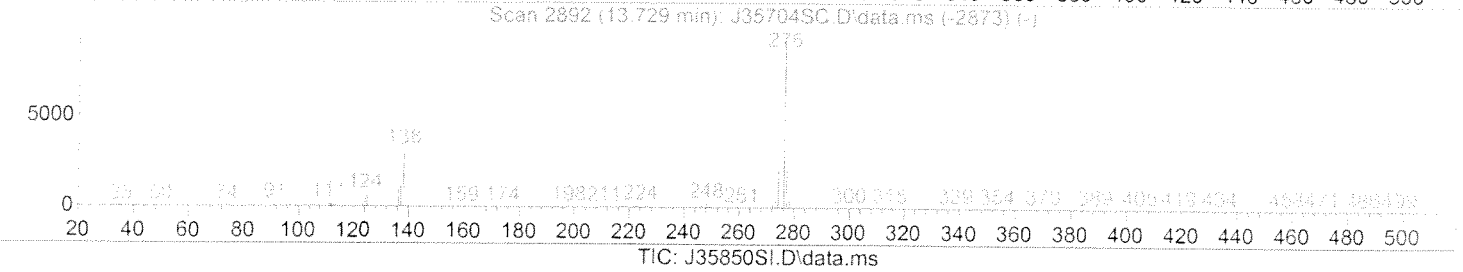
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:44:08 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

PN
9/23/10
Cw-el.







(84) Indeno [1,2,3-cd] pyrene (TM)

13.632min (+0.007) 26.86ug/ml

response 784060

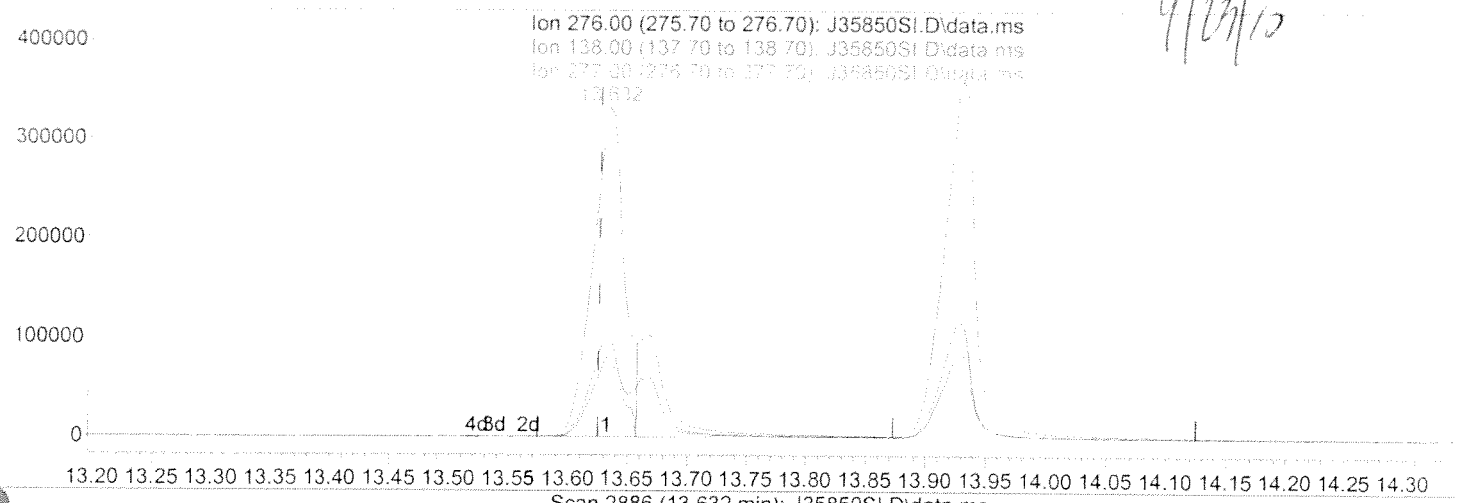
Ion	Exp%	Act%
276.00	100	100
138.00	29.20	22.73#
277.00	24.70	18.36#
0.00	0.00	0.00

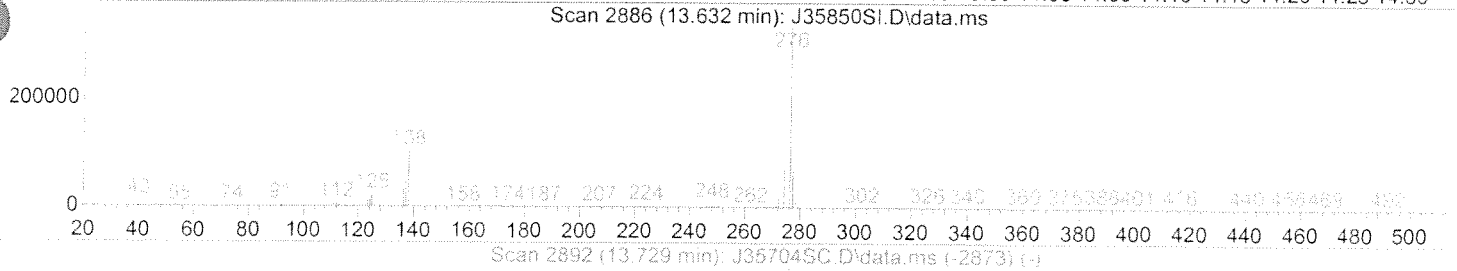
DG 27W

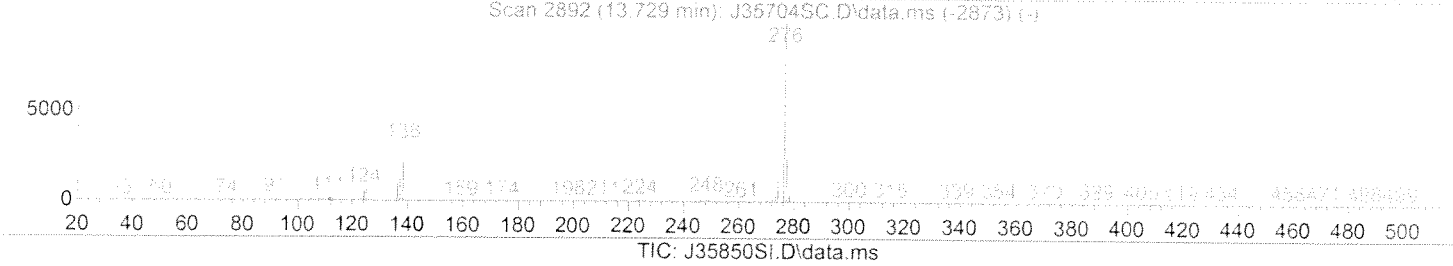
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:44:08 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

PW 9/23/10







(84) Indeno [1,2,3-cd] pyrene (TM)

13.632min (+0.007) 21.23ug/ml m

response 609792

592700

Ion	Exp%	Act%
276.00	100	100
138.00	29.20	29.23
277.00	24.70	23.61
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:48:38 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.029	152	491868	40.00	ug/ml	0.00
19) d8-Naphthalene	5.320	136	1488181	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.033	164	853400	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.465	188	1445562	40.00	ug/ml	0.00
71) d12-Chrysene	11.011	240	1407899	40.00	ug/ml	0.00
79) d12-Perylene	12.471	264	1318165	40.00	ug/ml	0.00

System Monitoring Compounds

4) 2-Fluorophenol	2.691	112	1172999	80.36	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 107.15%			
5) d5-Phenol	3.729	99	1306700	76.51	ug/ml	0.02
Spiked Amount 75.000	Range 15 - 110		Recovery = 102.01%			
20) d5-nitrobenzene	4.618	82	972257	75.40	ug/ml	0.01
Spiked Amount 50.000	Range 40 - 110		Recovery = 150.80%#			
39) 2-Fluorobiphenyl	6.413	172	2003327	71.97	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 143.94%#			
60) 2,4,6-Tribromophenol	7.809	330	374217	83.26	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 111.01%#			
73) d14-p-terphenyl	10.030	244	1952208	70.08	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 140.16%#			

Target Compounds

						Qvalue
2) Pyridine	1.536	79	655175	39.37	ug/ml	99
3) N-nitrosodimethylamine	1.522	74	363669	41.14	ug/ml	95
6) Aniline	3.706	93	883164	38.52	ug/ml#	56
7) Phenol	3.743	94	1328997	77.40	ug/ml	95
8) 2-Chlorophenol	3.828	128	1166769	76.66	ug/ml	97
9) bis(2-chloroethyl) ether	3.800	63	612044	40.42	ug/ml	96
10) 1,3-Dichlorobenzene	3.963	146	774695	39.49	ug/ml	100
11) 1,4-Dichlorobenzene	4.043	146	733977	38.63	ug/ml	98
12) 1,2-Dichlorobenzene	4.192	146	747831	40.62	ug/ml	98
13) Benzyl Alcohol	4.216	108	351113	35.86	ug/ml	97
14) 2-Methylphenol	4.351	108	911990	74.68	ug/ml	99
15) bis(2-chloroisopropyl)...	4.356	45	1065530	33.15	ug/ml	97
16) 3+4-Methylphenol	4.529	108	864033	68.32	ug/ml	98
17) Hexachloroethane	4.534	117	219995	32.01	ug/ml	98
18) N-nitroso-di-n-propyla...	4.506	70	334255m	42.99	ug/ml	
21) Nitrobenzene	4.632	123	275000	40.08	ug/ml	87
22) Isophorone	4.908	82	949036	39.83	ug/ml	98
23) 2-Nitrophenol	4.955	139	660868	89.78	ug/ml	97
24) 2,4-Dimethylphenol	5.053	107	1052550	77.62	ug/ml	99
25) Bis(2-chloroethoxy)met...	5.137	93	640449	40.51	ug/ml	99
26) 2,4-Dichlorophenol	5.212	162	960526	75.93	ug/ml	95

092710

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:48:38 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

PN 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.301	105	680304m	76.31 ug/ml	
28) 1,2,4-Trichlorobenzene	5.268	180	591062	37.69 ug/ml	100
29) Naphthalene	5.338	128	1533733	38.45 ug/ml	100
30) 2,6-Dichlorophenol	5.432	162	868163	74.94 ug/ml	97
31) 4-Chloroaniline	5.432	127	615207	38.25 ug/ml	94
32) Hexachlorobutadiene	5.479	225	349341	37.45 ug/ml	98
33) 4-Chloro-3-methylphenol	5.960	107	860690	77.30 ug/ml	99
34) 2-Methylnaphthalene	6.027	141	901743	36.63 ug/ml	99
36) Hexachlorocyclopentadiene	6.184	237	347433	39.44 ug/ml	99
37) 2,4,6-Trichlorophenol	6.332	196	693228	76.17 ug/ml	99
38) 2,4,5-Trichlorophenol	6.377	196	800542	78.27 ug/ml	99
40) 2-Chloronaphthalene	6.502	162	916884	38.37 ug/ml	99
41) 2-Nitroaniline	6.628	138	462328	41.85 ug/ml	99
42) 2,6-Dinitrotoluene	6.878	165	278764	38.22 ug/ml	99
43) Dimethyl Phthalate	6.834	163	1235481	36.99 ug/ml	99
44) Acenaphthylene	6.892	152	1528972	37.28 ug/ml	100
45) 3-Nitroaniline	7.043	138	230030	37.92 ug/ml	98
46) Acenaphthene	7.067	153	980166	37.66 ug/ml	99
47) 2,4-dinitrophenol	7.144	184	361708	97.05 ug/ml	96
48) Dibenzofuran	7.237	168	1573453	38.81 ug/ml#	68
49) 4-Nitrophenol	7.266	109	286343	76.63 ug/ml	96
50) 2,4-Dinitrotoluene	7.266	165	344879	36.85 ug/ml	99
51) 2,3,4,6-Tetrachlorophenol	7.377	232	656400	81.31 ug/ml	98
52) Fluorene	7.567	166	1128611	36.66 ug/ml	100
53) Diethyl Phthalate	7.523	149	1136047	36.15 ug/ml	100
54) 4-Chlorophenyl phenyl ...	7.586	204	578982	41.23 ug/ml	98
55) 4-Nitroaniline	7.635	138	274875m	47.24 ug/ml	
56) 4,6-Dinitro-2-methylph...	7.664	198	494510	87.85 ug/ml	97
57) n-nitrosodiphenylamine	7.717	169	817489	36.28 ug/ml	98
58) Azobenzene	7.741	77	1039925	38.91 ug/ml	93
59) Biphenyl	6.498	154	1081190	37.69 ug/ml	100
62) 4-bromophenyl phenyl e...	8.055	248	375184	37.73 ug/ml	99
63) Hexachlorobenzene	8.091	284	406152	40.11 ug/ml	96
64) Pentachlorophenol	8.303	266	514025	81.96 ug/ml	98
65) Phenanthrene	8.488	178	1614276	37.55 ug/ml	99
66) Anthracene	8.537	178	1622091	36.51 ug/ml	100
67) Carbazole	8.708	167	952095	40.55 ug/ml	100
68) Di-n-butyl phthalate	9.091	149	1959630	37.32 ug/ml	100
69) Fluoranthene	9.623	202	1725296	35.59 ug/ml	100
70) Benzidine	9.792	184	376721	50.57 ug/ml	99
72) Pyrene	9.835	202	1799525	37.87 ug/ml	99
74) Butyl benzyl phthalate	10.527	149	896726	40.79 ug/ml	99
75) Benzo[a]anthracene	10.996	228	1529868	39.57 ug/ml	100

392ND

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:48:38 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.033	228	1555072	37.93 ug/ml	99
77) 3,3'-Dichlorobenzidine	11.003	252	378653	44.80 ug/ml	98
78) Bis (2-ethylhexyl) pht...	11.105	149	1134483	40.58 ug/ml	99
80) di-n-octyl-phthalate	11.758	149	1974602	38.74 ug/ml	98
81) Benzo[b] fluoranthene	12.068	252	1515609	41.06 ug/ml	99
82) Benzo[k] fluoranthene	12.104	252	1343290	35.32 ug/ml	100
83) Benzo[a] pyrene	12.410	252	1494283	39.64 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	13.650	276	1320780m	42.97 ug/ml	
85) Dibenz [a,h] anthracene	13.686	278	1288870	41.05 ug/ml	99
86) Benzo(g,h,i) perylene	13.949	276	1340488	41.29 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

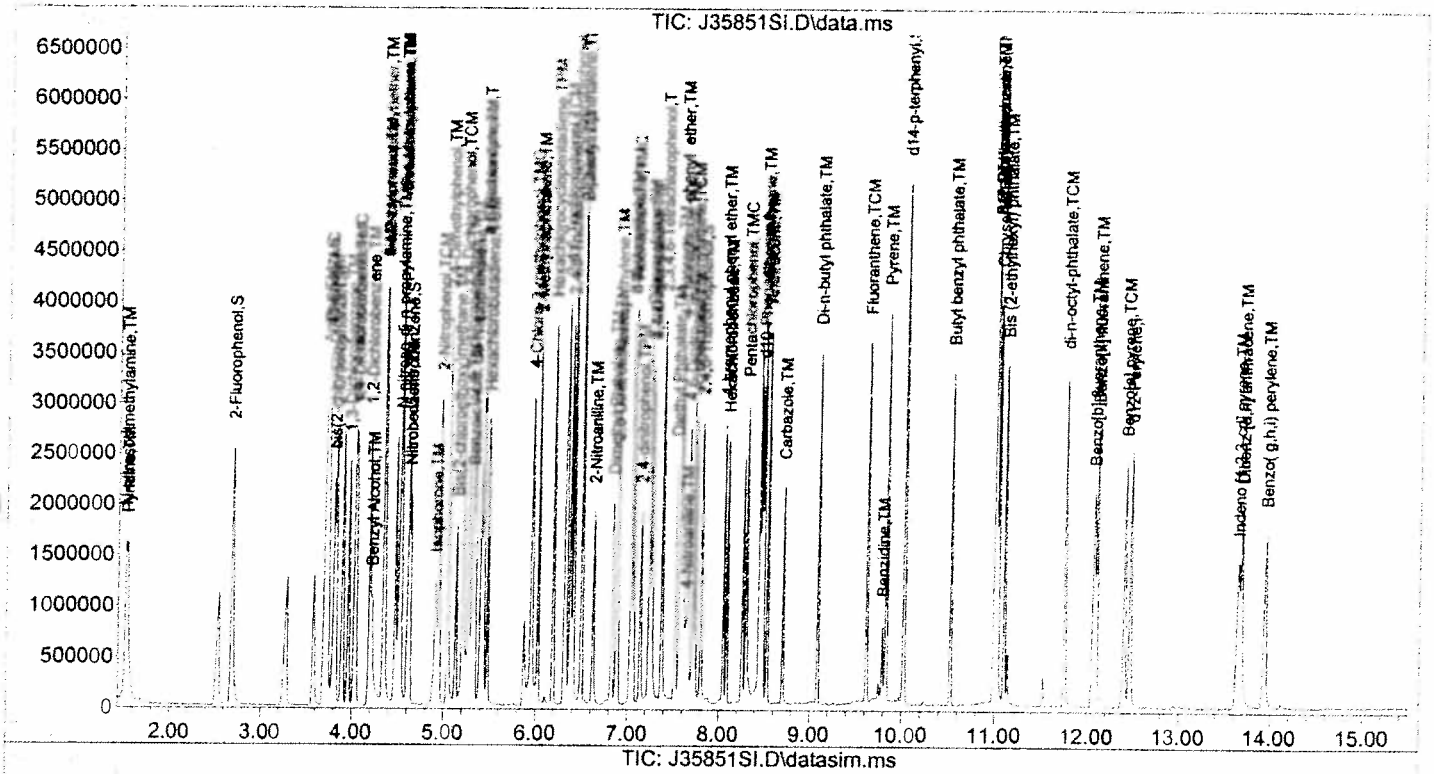
59220

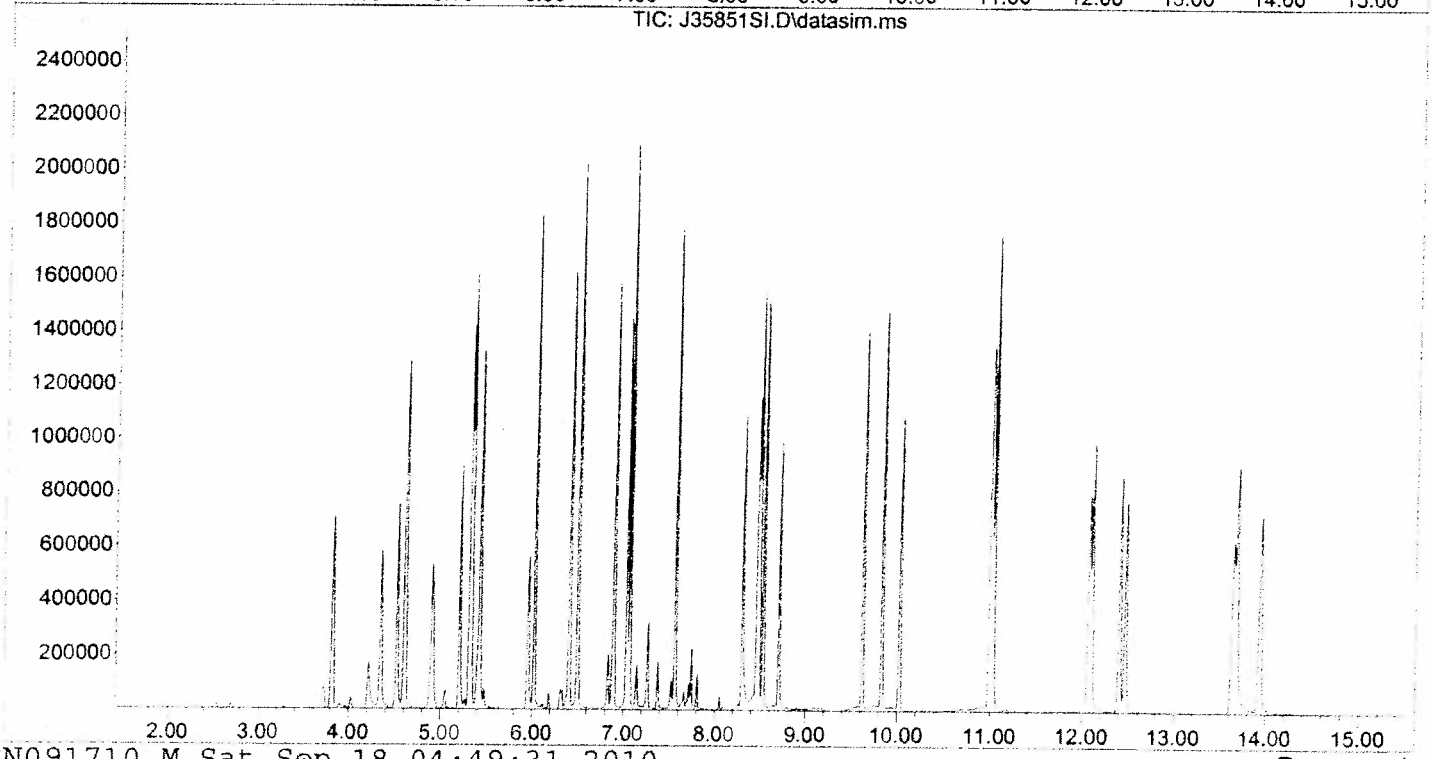
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:48:38 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

MN 9/27/10





D9270

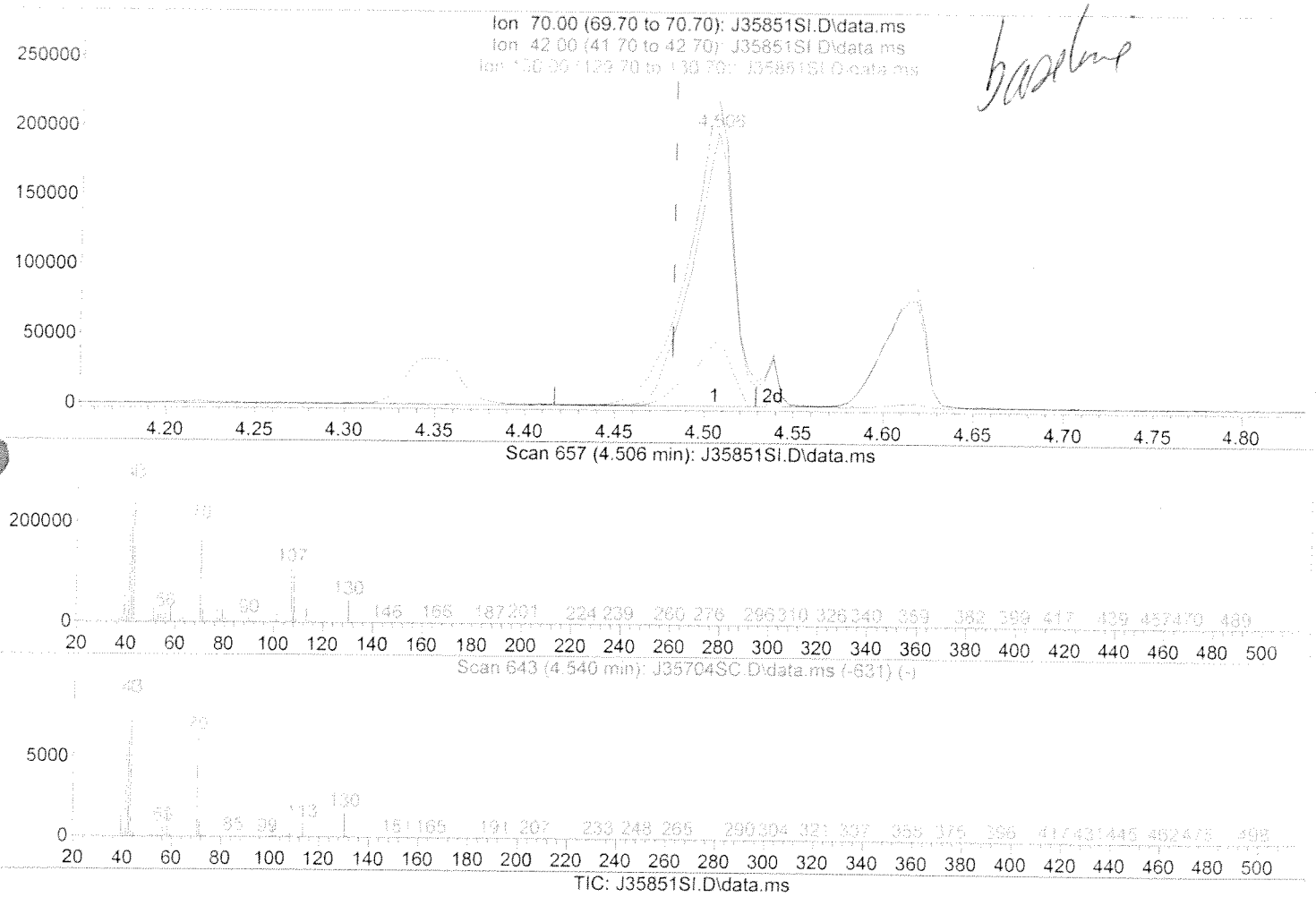
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

PM 9/27/10

baseline



(18) N-nitroso-di-n-propylamine (TMP)

4.506min (+0.023) 40.68ug/ml

response 316316

Ion	Exp%	Act%
70.00	100	100
42.00	126.50	120.09
130.00	23.90	23.26
0.00	0.00	0.00

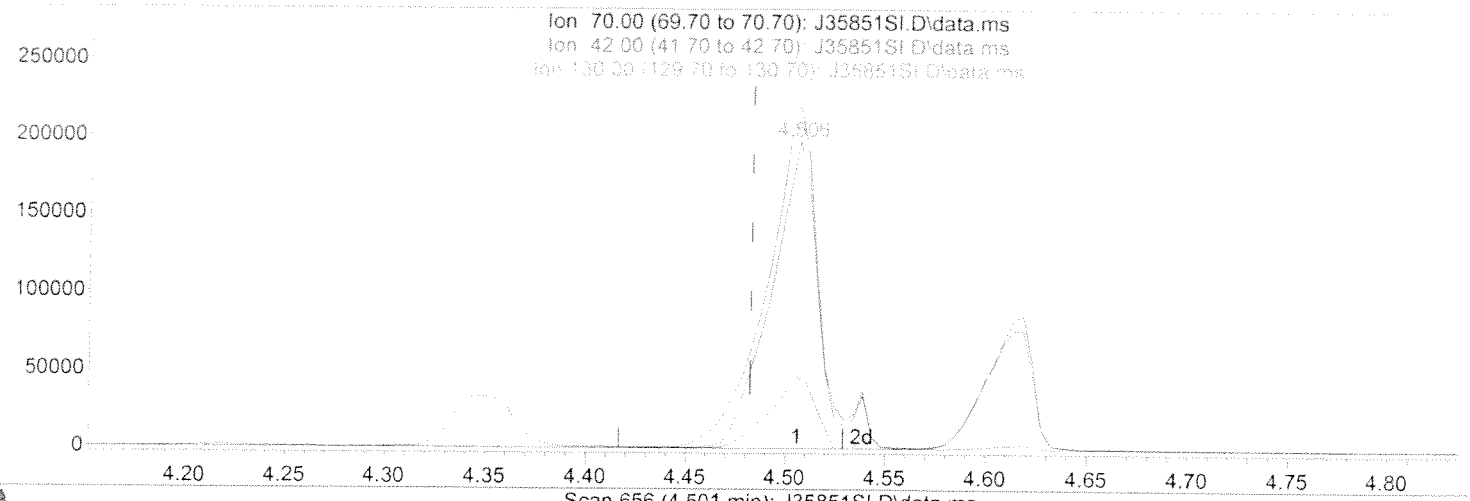
JRZW

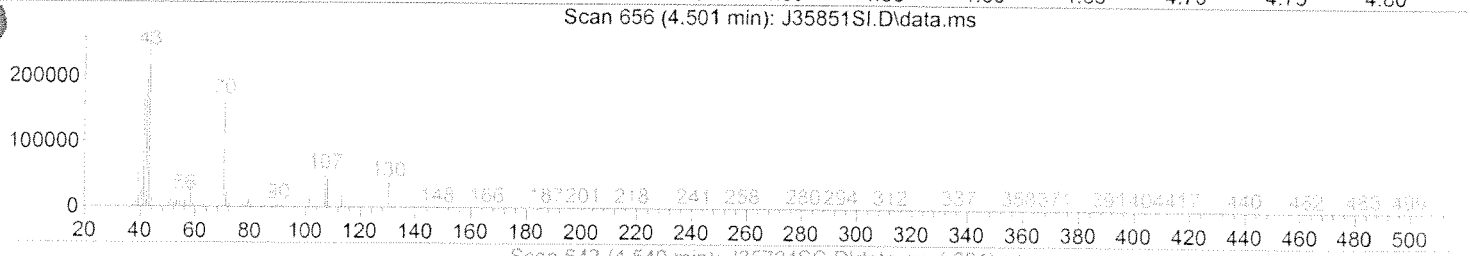
Quantitation Report (Qedit)

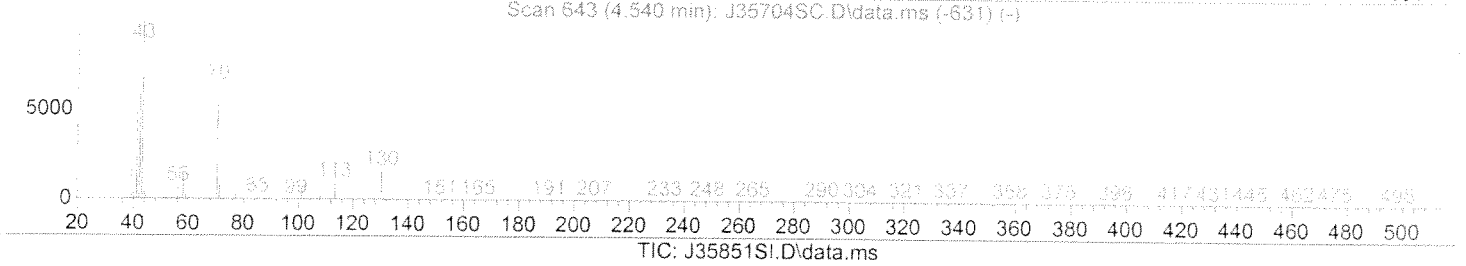
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

PM 9/23/10







(18) N-nitroso-di-n-propylamine (TMP)

4.506min (+0.023) 42.99ug/ml m

response 334255

Ion	Exp%	Act%
70.00	100	100
42.00	126.50	113.65
130.00	23.90	22.01
0.00	0.00	0.00

J92720

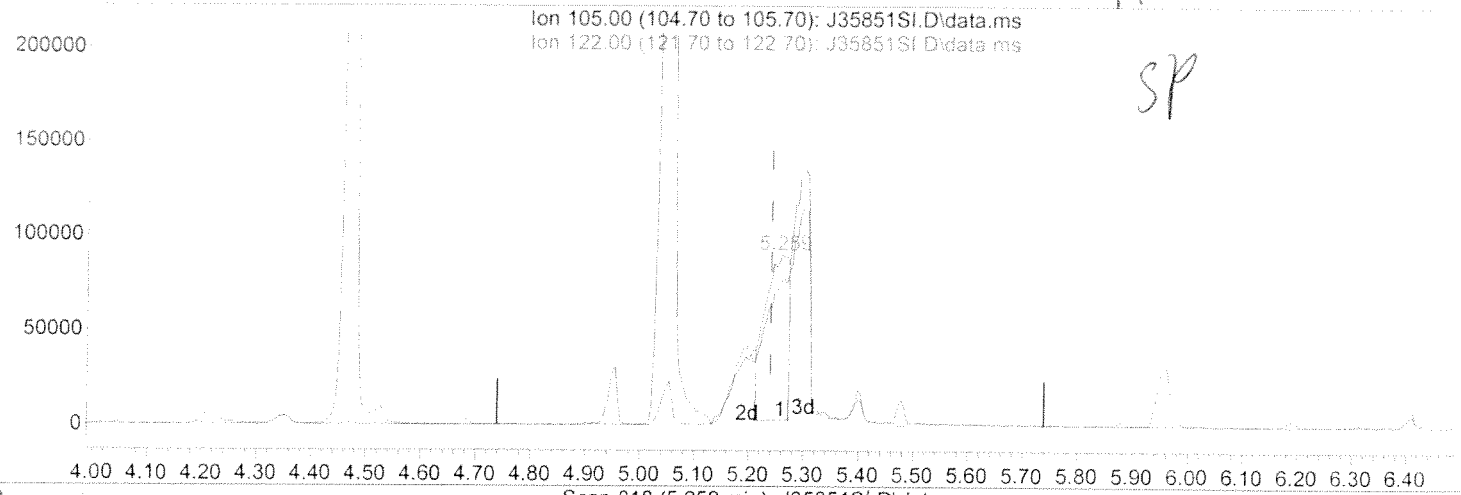
Quantitation Report (Qedit)

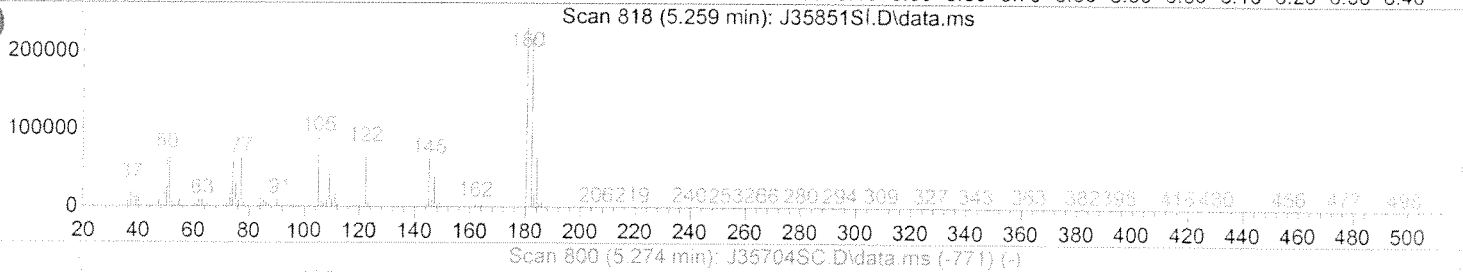
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

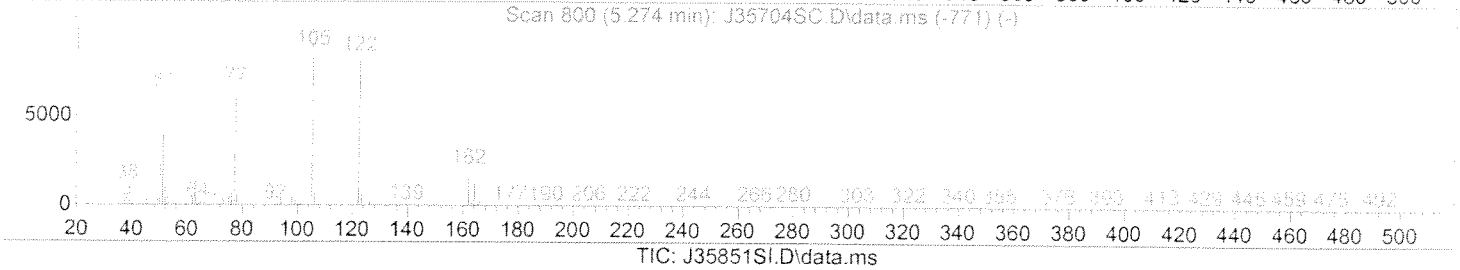
Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

9/24/10

SP







TIC: J35851SI.D\data.ms

(27) Benzoic Acid (TM)

5.259min (+0.019) 35.15ug/ml

response 265879

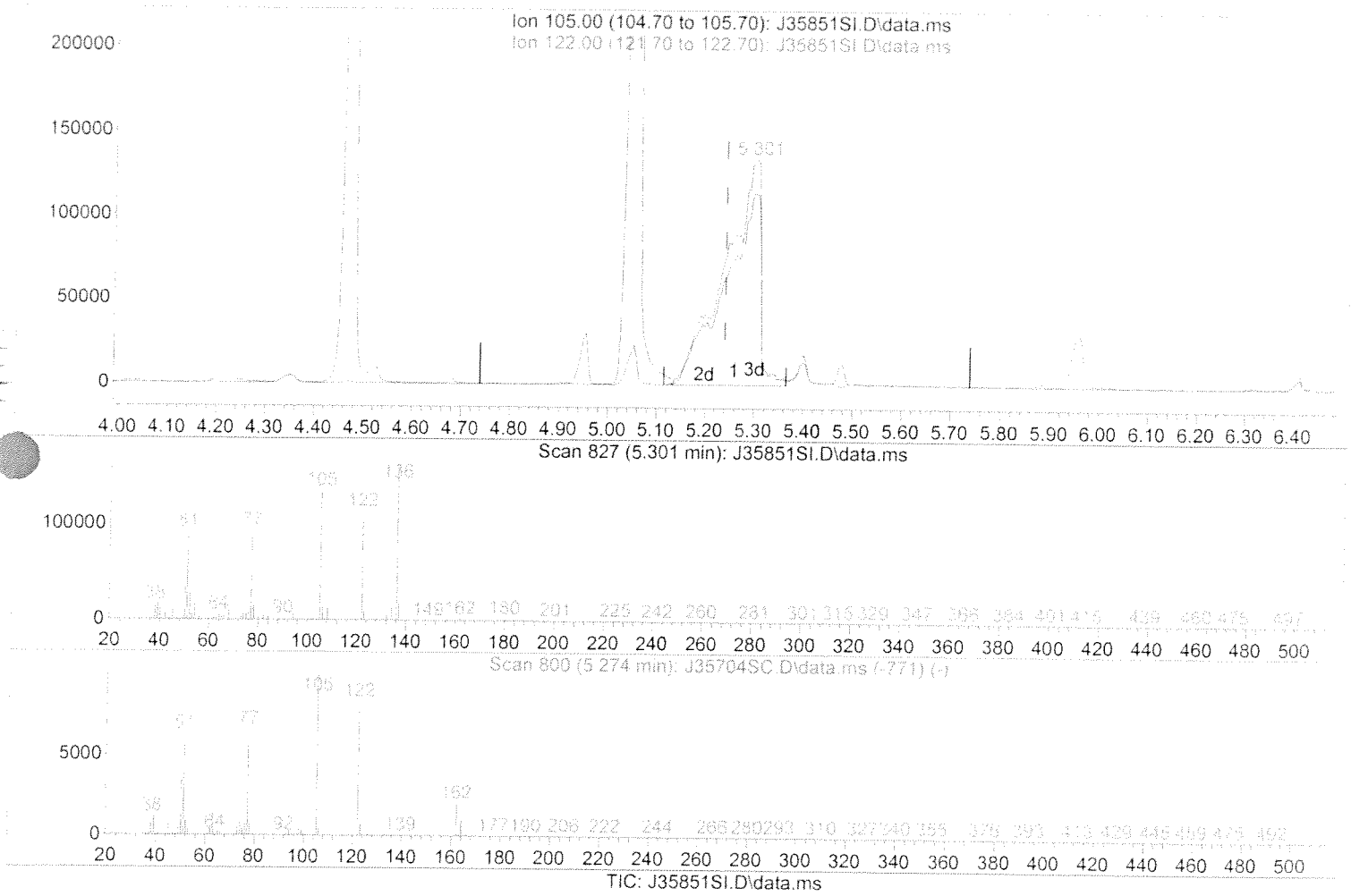
Ion	Exp%	Act%
105.00	100	100
122.00	85.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

392720

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

AN
9/23/10



(27) Benzoic Acid (TM)

5.301min (+0.061) 76.31ug/ml m

response 680304

Ion	Exp%	Act%
105.00	100	100
122.00	85.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

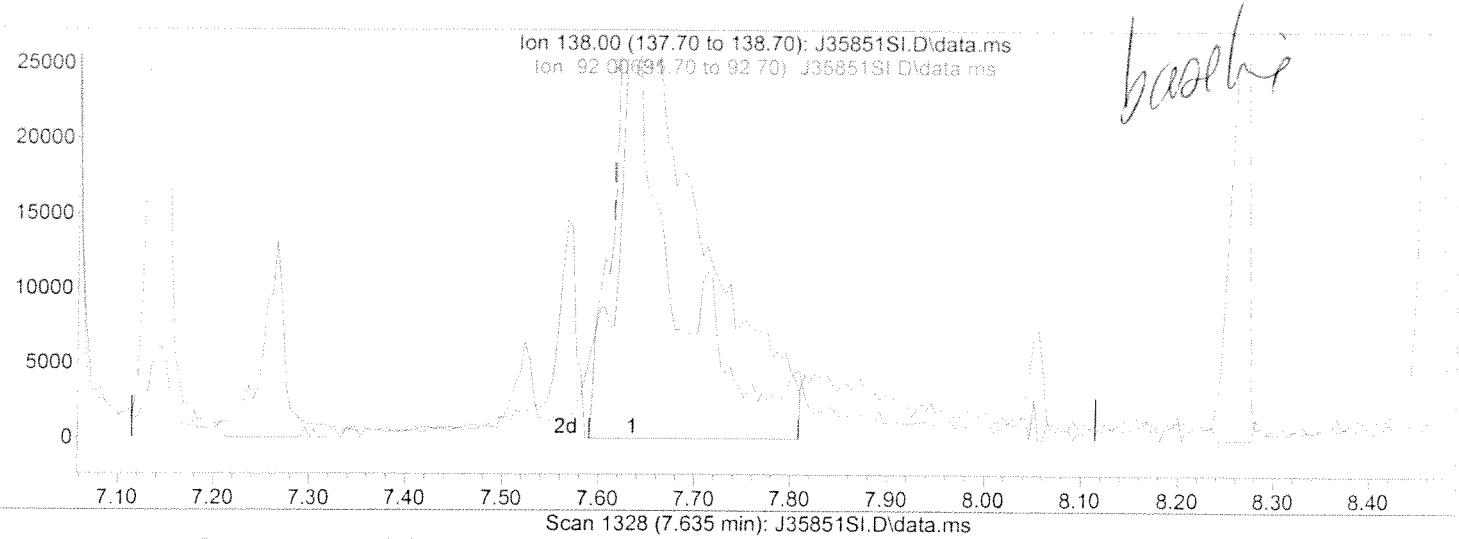
59270

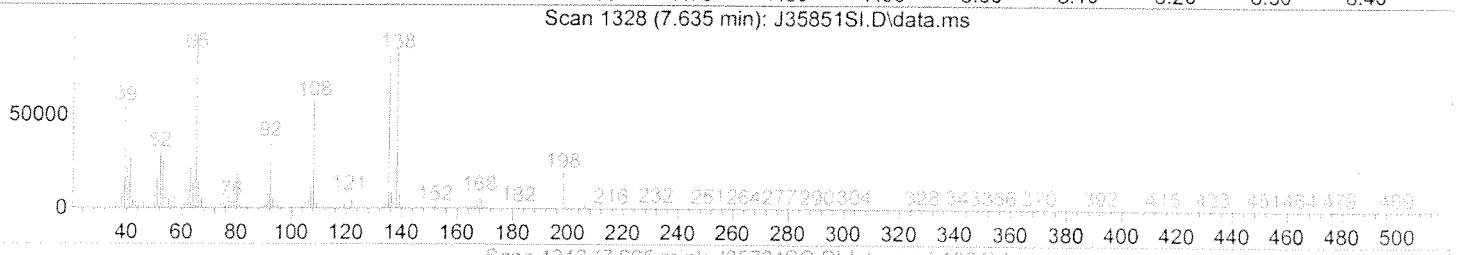
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

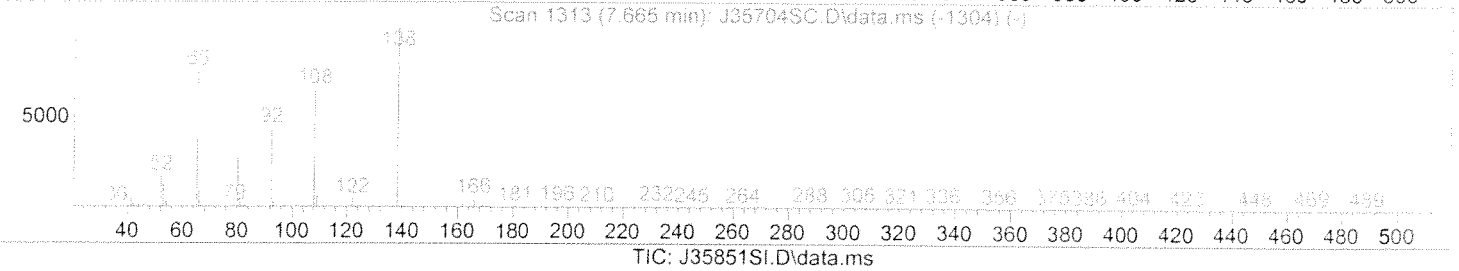
Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

AN 9/23/10

baseline







(55) 4-Nitroaniline (TM)

7.635min (+0.019) 42.17ug/ml

response 243221

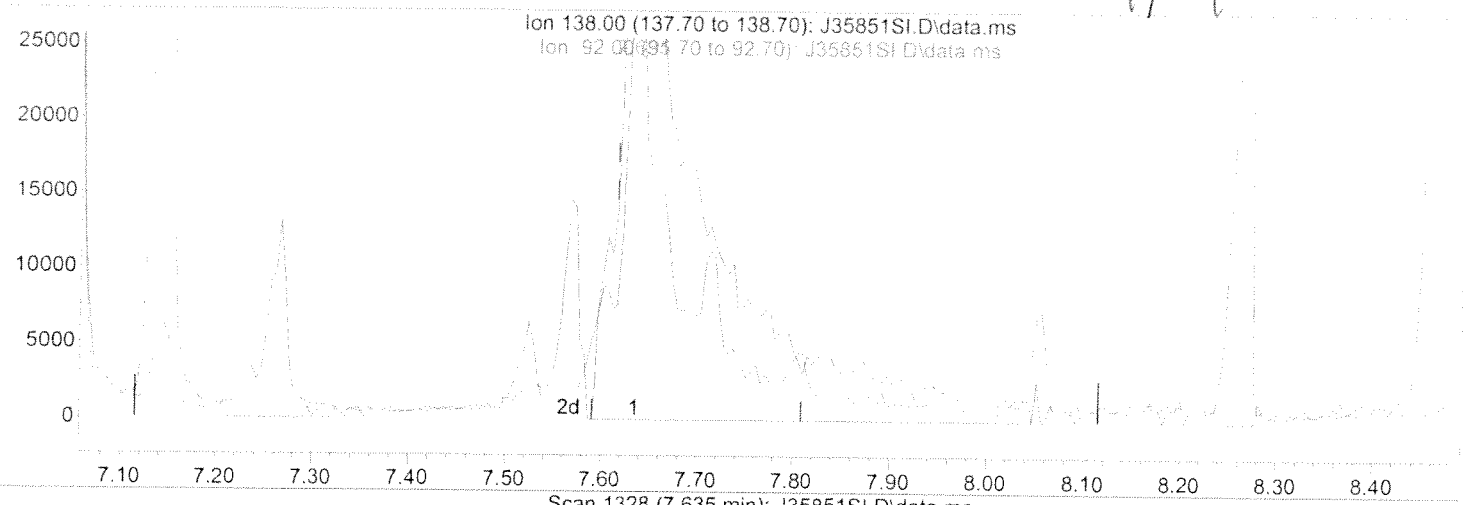
Ion	Exp%	Act%
138.00	100	100
92.00	31.80	28.59
0.00	0.00	0.00
0.00	0.00	0.00

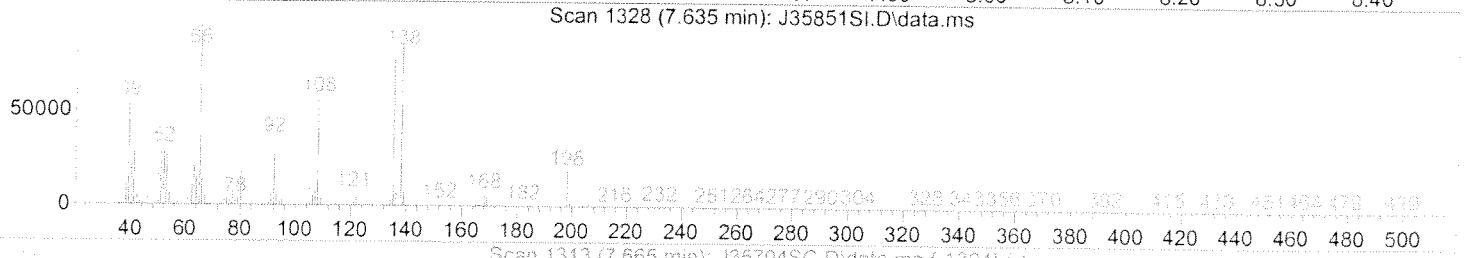
092710

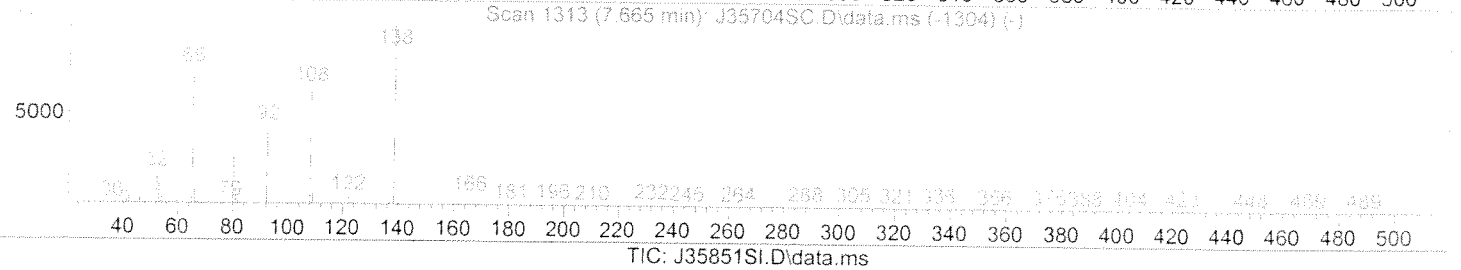
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

9/23/10







TIC: J35851SI.D\data.ms

(55) 4-Nitroaniline (TM)

7.635min (+0.019) 47.24ug/ml m

response 274875

Ion	Exp%	Act%
138.00	100	100
92.00	31.80	25.29#
0.00	0.00	0.00
0.00	0.00	0.00

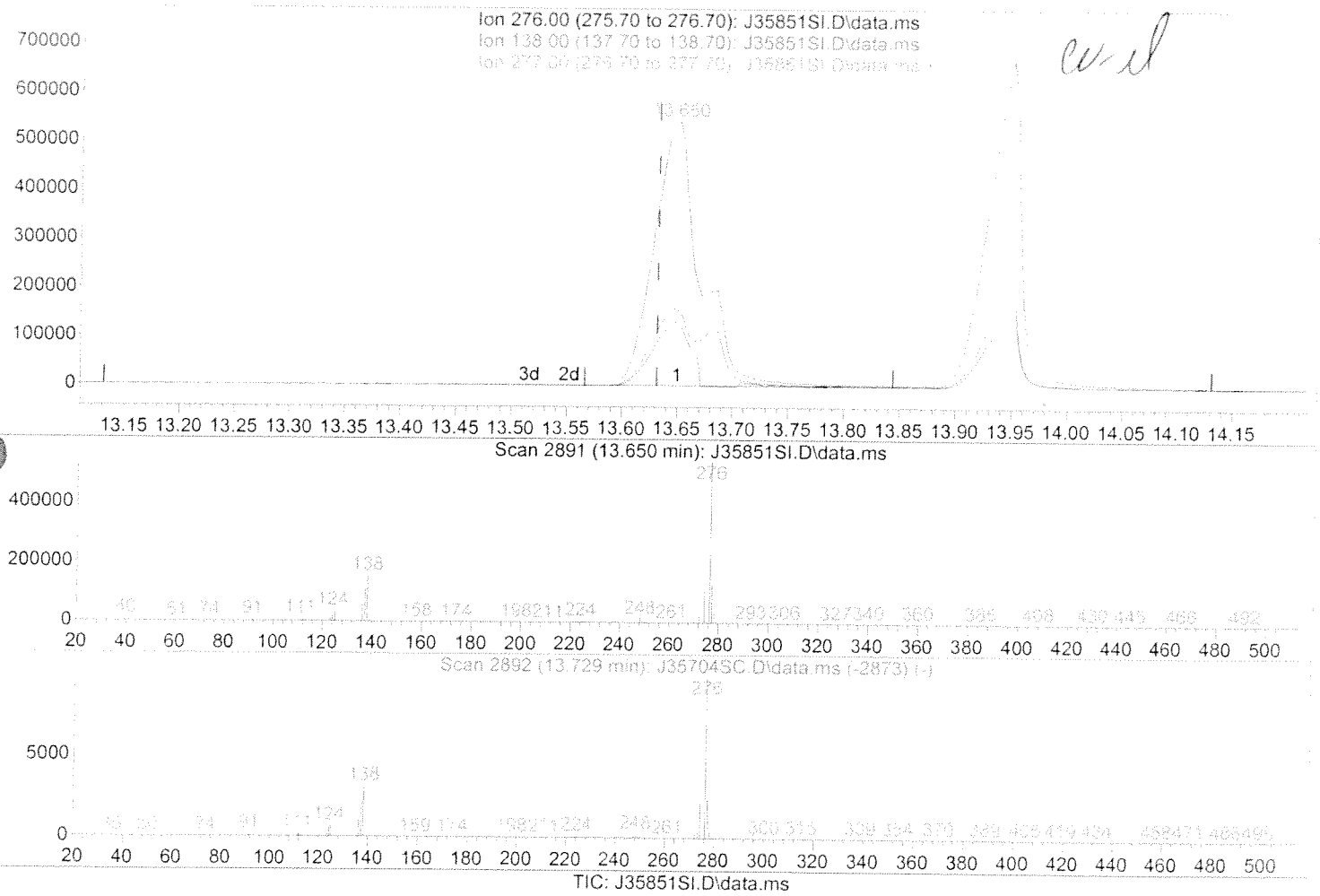
59270

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

9/23/10



(84) Indeno [1,2,3-cd] pyrene (TM)

13.650min (+0.018) 51.75ug/ml

response 1593274

Ion	Exp%	Act%
276.00	100	100
138.00	29.20	24.39
277.00	23.60	19.37
0.00	0.00	0.00

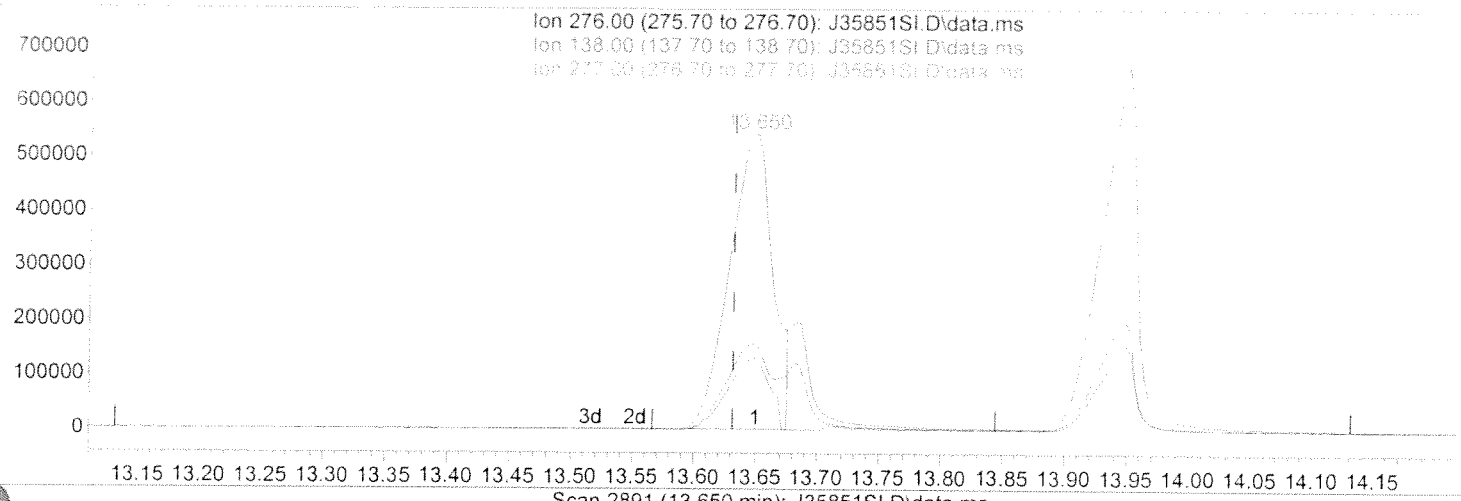
292TW

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

ON
9/23/10



(84) Indeno [1,2,3-cd] pyrene (TM)

13.650min (+0.018) 42.97ug/ml m

response 1320780

Ion	Exp%	Act%
276.00	100	100
138.00	29.20	29.42
277.00	23.60	23.37
0.00	0.00	0.00

SGZW

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:52:21 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.029	152	480235	40.00	ug/ml	0.00
19) d8-Naphthalene	5.320	136	1425038	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.038	164	835715	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.465	188	1407375	40.00	ug/ml	0.00
71) d12-Chrysene	11.015	240	1356071	40.00	ug/ml	0.00
79) d12-Perylene	12.475	264	1310149	40.00	ug/ml	0.00

System Monitoring Compounds

4) 2-Fluorophenol	2.696	112	1416094	99.36	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 132.48%#			
5) d5-Phenol	3.734	99	1560517	93.59	ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 124.79%#			
20) d5-nitrobenzene	4.623	82	1148591	93.02	ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 186.04%#			
39) 2-Fluorobiphenyl	6.413	172	2309598	87.29	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 174.58%#			
60) 2,4,6-Tribromophenol	7.809	330	443095	100.67	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 134.23%#			
73) d14-p-terphenyl	10.034	244	2274168	84.76	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 169.52%#			

Target Compounds

						Qvalue
2) Pyridine	1.540	79	813678	50.08	ug/ml	98
3) N-nitrosodimethylamine	1.522	74	445096	51.57	ug/ml	97
6) Aniline	3.706	93	1063451	47.51	ug/ml	99
7) Phenol	3.753	94	1591665	94.95	ug/ml	94
8) 2-Chlorophenol	3.828	128	1402449	94.38	ug/ml	99
9) bis(2-chloroethyl) ether	3.809	63	760309m	51.43	ug/ml	
10) 1,3-Dichlorobenzene	3.968	146	918539	47.95	ug/ml	99
11) 1,4-Dichlorobenzene	4.047	146	892508	48.11	ug/ml	99
12) 1,2-Dichlorobenzene	4.192	146	899092	50.01	ug/ml	100
13) Benzyl Alcohol	4.225	108	426543	44.61	ug/ml	99
14) 2-Methylphenol	4.356	108	1099582	92.22	ug/ml	98
15) bis(2-chloroisopropyl)...	4.347	45	1208188	39.78	ug/ml	99
16) 3+4-Methylphenol	4.538	108	1023465	82.88	ug/ml	98
17) Hexachloroethane	4.534	117	242020	36.93	ug/ml	99
18) N-nitroso-di-n-propyla...	4.515	70	377092m	49.68	ug/ml	
21) Nitrobenzene	4.641	123	325962	49.61	ug/ml	98
22) Isophorone	4.913	82	1111451	48.71	ug/ml	99
23) 2-Nitrophenol	4.959	139	772203	109.55	ug/ml	99
24) 2,4-Dimethylphenol	5.058	107	1239239	95.43	ug/ml	100
25) Bis(2-chloroethoxy)met...	5.142	93	764239	50.48	ug/ml	98
26) 2,4-Dichlorophenol	5.217	162	1133536	93.58	ug/ml	99

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:52:21 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.334	105	823752m	93.83 ug/ml	
28) 1,2,4-Trichlorobenzene	5.273	180	696209	46.36 ug/ml	100
29) Naphthalene	5.343	128	1800172	47.13 ug/ml	100
30) 2,6-Dichlorophenol	5.432	162	1016404	91.62 ug/ml	97
31) 4-Chloroaniline	5.436	127	700640	46.94 ug/ml	98
32) Hexachlorobutadiene	5.479	225	405840	45.44 ug/ml	99
33) 4-Chloro-3-methylphenol	5.965	107	999626	93.76 ug/ml	100
34) 2-Methylnaphthalene	6.032	141	1046669	44.41 ug/ml	99
36) Hexachlorocyclopentadiene	6.189	237	421583	49.71 ug/ml	98
37) 2,4,6-Trichlorophenol	6.337	196	813232	91.24 ug/ml	99
38) 2,4,5-Trichlorophenol	6.381	196	935995	93.45 ug/ml	98
40) 2-Chloronaphthalene	6.507	162	1068547	47.11 ug/ml	99
41) 2-Nitroaniline	6.632	138	555545	51.68 ug/ml	98
42) 2,6-Dinitrotoluene	6.882	165	326501	46.41 ug/ml	99
43) Dimethyl Phthalate	6.839	163	1463032	44.73 ug/ml	99
44) Acenaphthylene	6.897	152	1764413	43.93 ug/ml	100
45) 3-Nitroaniline	7.047	138	272588	45.89 ug/ml	99
46) Acenaphthene	7.072	153	1126332	44.20 ug/ml	99
47) 2,4-dinitrophenol	7.154	184	443806	118.47 ug/ml	100
48) Dibenzofuran	7.242	168	1833969	46.20 ug/ml	100
49) 4-Nitrophenol	7.275	109	339728	94.43 ug/ml	97
50) 2,4-Dinitrotoluene	7.271	165	413901	46.06 ug/ml	97
51) 2,3,4,6-Tetrachlorophenol	7.382	232	775921	98.15 ug/ml	99
52) Fluorene	7.571	166	1332824	44.21 ug/ml	99
53) Diethyl Phthalate	7.528	149	1324409	43.04 ug/ml	99
54) 4-Chlorophenyl phenyl ...	7.591	204	658967	49.55 ug/ml	99
55) 4-Nitroaniline	7.644	138	334787m	57.91 ug/ml	
56) 4,6-Dinitro-2-methylph...	7.673	198	572605	104.03 ug/ml	99
57) n-nitrosodiphenylamine	7.722	169	977027	44.28 ug/ml	98
58) Azobenzene	7.746	77	1227228	46.89 ug/ml	98
59) Biphenyl	6.502	154	1241782	45.90 ug/ml	100
62) 4-bromophenyl phenyl e...	8.055	248	438737	45.32 ug/ml	100
63) Hexachlorobenzene	8.096	284	474792	48.16 ug/ml	100
64) Pentachlorophenol	8.307	266	621361	101.77 ug/ml	97
65) Phenanthrene	8.492	178	1918128	45.83 ug/ml	99
66) Anthracene	8.542	178	1911715	44.20 ug/ml	100
67) Carbazole	8.708	167	1145957	50.14 ug/ml	99
68) Di-n-butyl phthalate	9.095	149	2285209	44.71 ug/ml	100
69) Fluoranthene	9.626	202	2024048	42.89 ug/ml	100
70) Benzidine	9.796	184	418755	57.74 ug/ml	99
72) Pyrene	9.839	202	2109767	46.10 ug/ml	100
74) Butyl benzyl phthalate	10.527	149	1059091	50.02 ug/ml	100
75) Benzo[a]anthracene	10.996	228	1843876	49.52 ug/ml	100

09270

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:52:21 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.041	228	1822682	46.16 ug/ml	100
77) 3,3'-Dichlorobenzidine	11.003	252	450472	55.34 ug/ml	100
78) Bis (2-ethylhexyl) pht...	11.105	149	1353791	50.28 ug/ml	99
80) di-n-octyl-phthalate	11.761	149	2360501	47.26 ug/ml	99
81) Benzo[b] fluoranthene	12.078	252	1930955	52.63 ug/ml	100
82) Benzo[k] fluoranthene	12.107	252	1666769	46.87 ug/ml	98
83) Benzo[a] pyrene	12.414	252	1807189	48.23 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	13.661	276	1745087m	57.03 ug/ml	
85) Dibenz [a,h] anthracene	13.693	278	1651322	53.59 ug/ml	99
86) Benzo(g,h,i) perylene	13.960	276	1757727	54.47 ug/ml	99

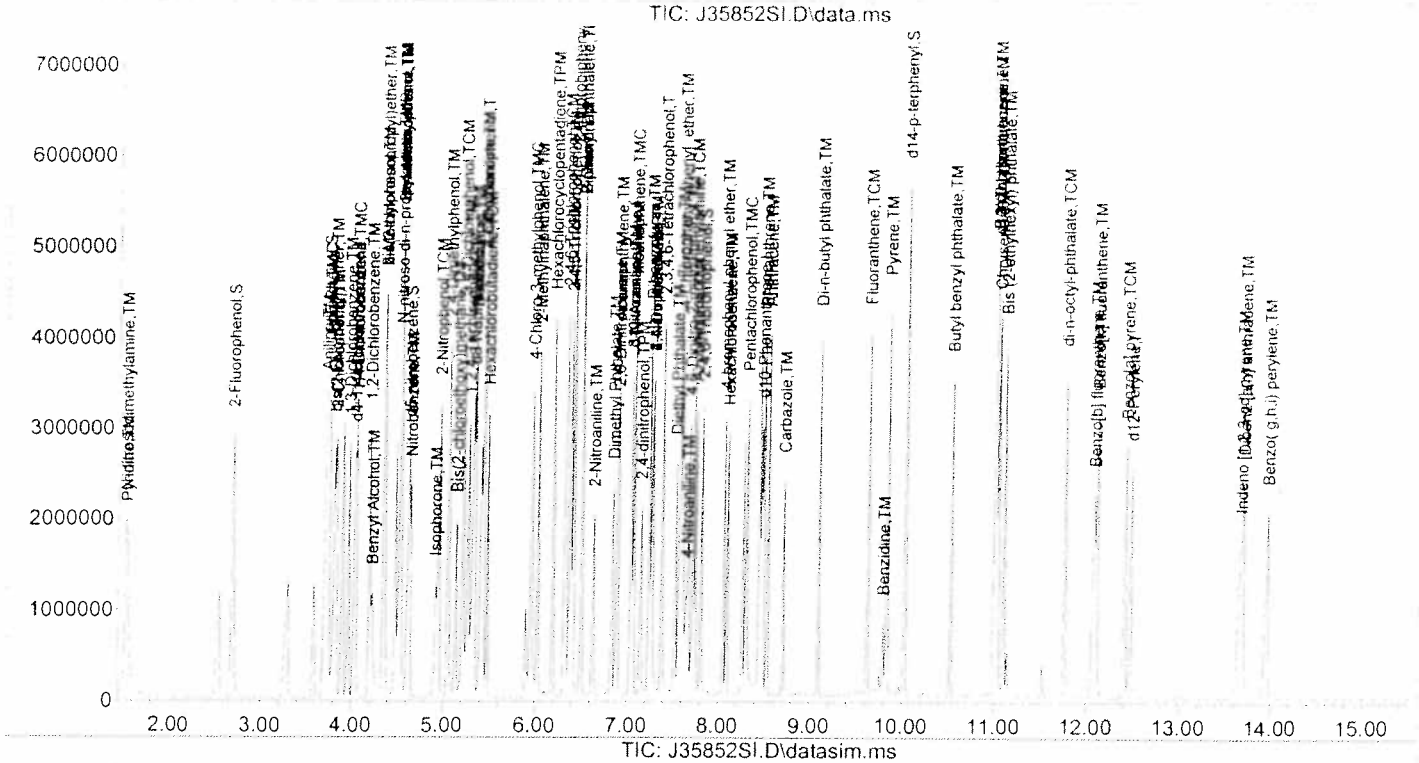
(#) = qualifier out of range (m) = manual integration (+) = signals summed

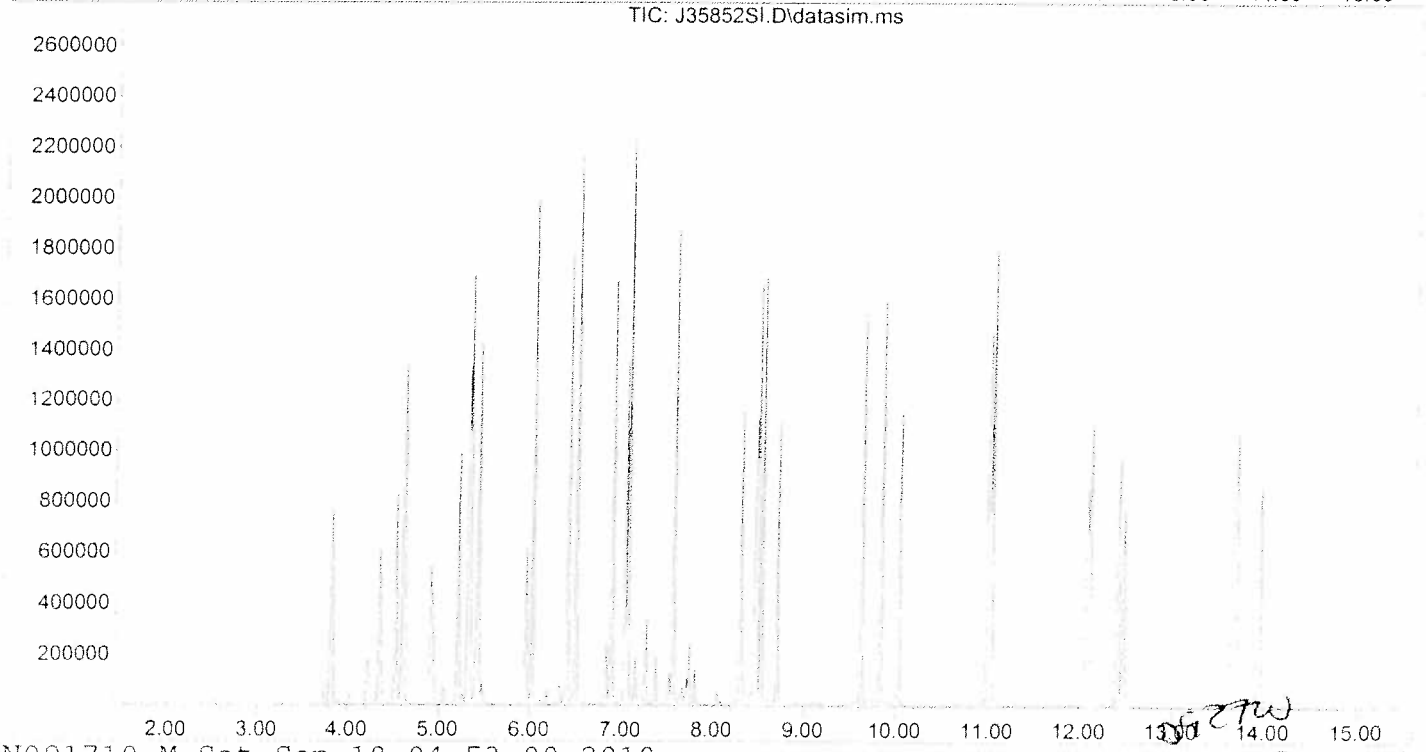
SGZRW

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:52:21 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

BN 9/23/10





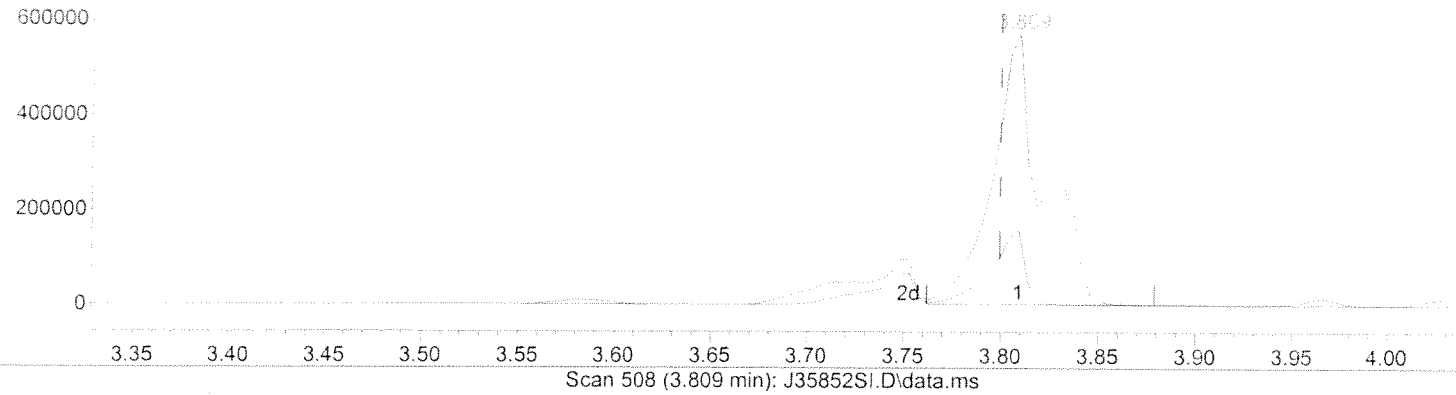
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

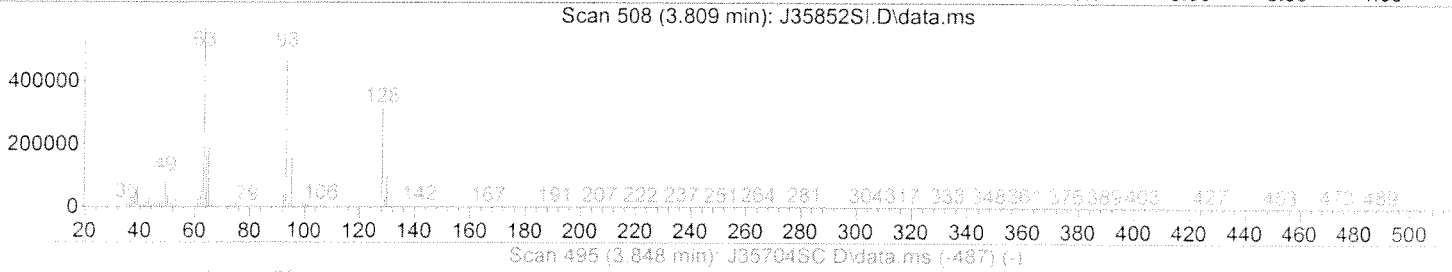
AN 9/23/10

Ion 63.00 (62.70 to 63.70): J35852SI.D\data.ms
Ion 95.00 (94.70 to 95.70): J35852SI.D\data.ms

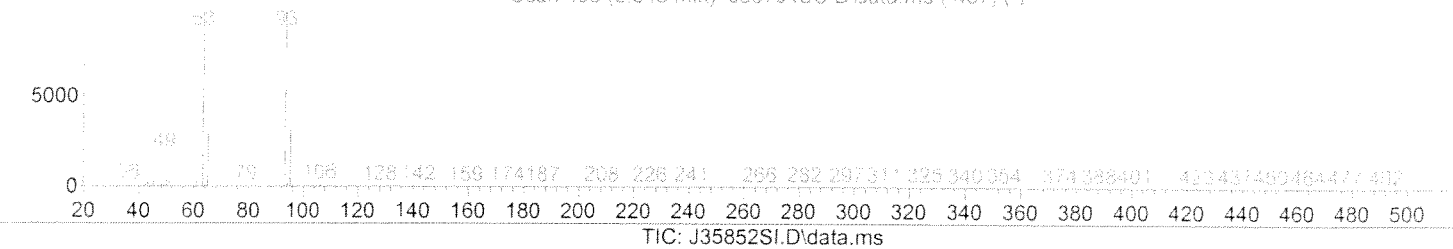
Cwel.



Scan 508 (3.809 min): J35852SI.D\data.ms



Scan 495 (3.848 min): J35704SC.D\data.ms (-487) (-)



TIC: J35852SI.D\data.ms

(9) bis(2-chloroethyl) ether (TM)

3.809min (+0.009) 70.17ug/ml

response 1037245

Ion	Exp%	Act%
63.00	100	100
95.00	26.70	18.15#
0.00	0.00	0.00
0.00	0.00	0.00

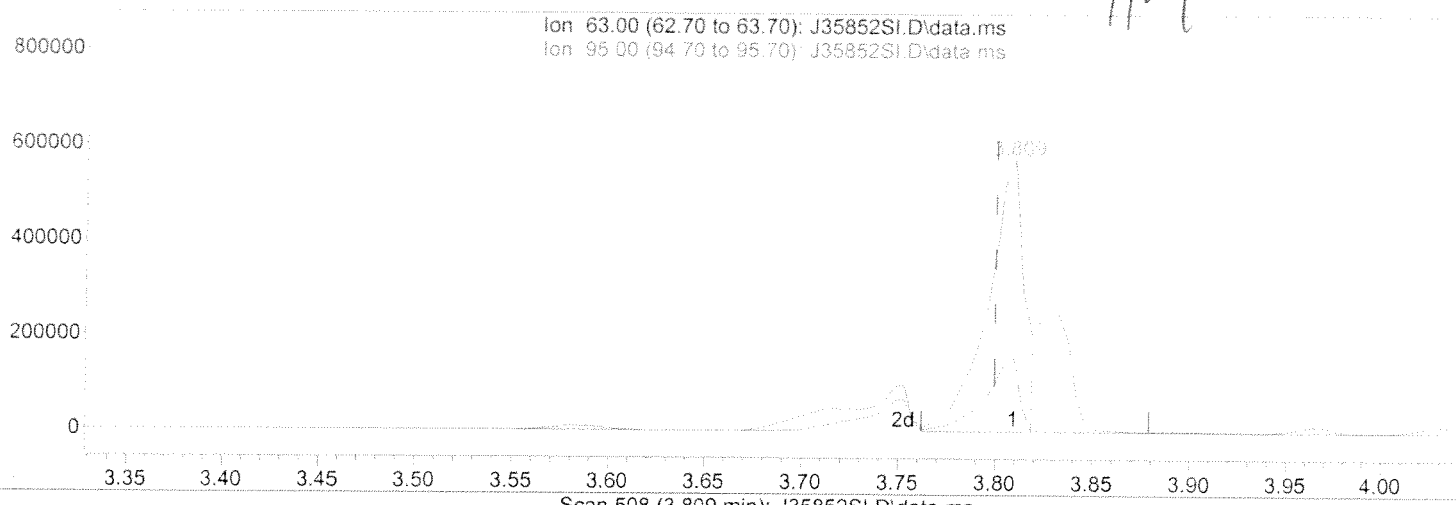
JS 27W

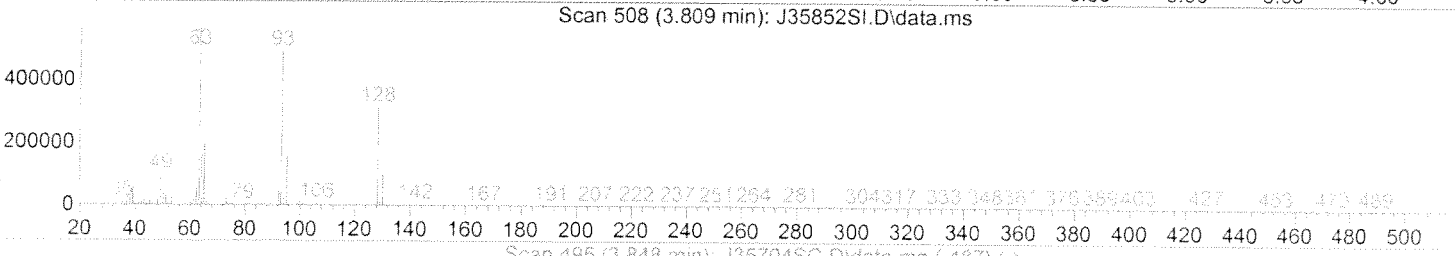
Quantitation Report (Qedit)

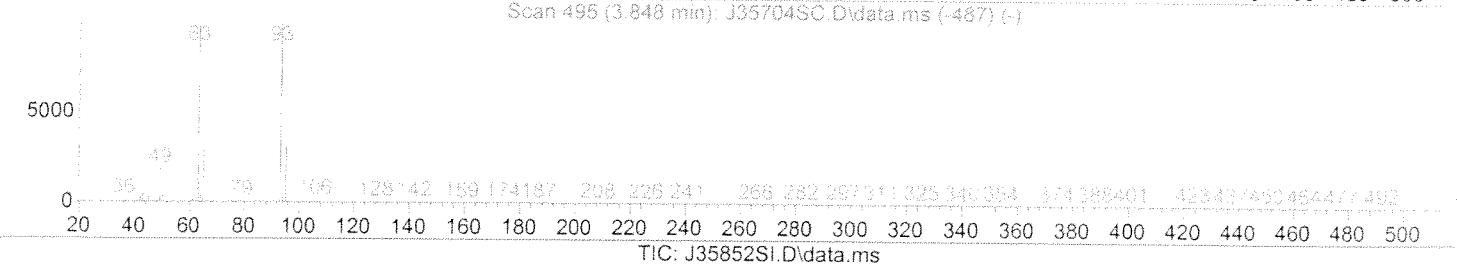
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

9/27/10







(9) bis(2-chloroethyl) ether (TM)

3.809min (+0.009) 51.43ug/ml m

response 760309

Ion	Exp%	Act%
63.00	100	100
95.00	26.70	24.76
0.00	0.00	0.00
0.00	0.00	0.00

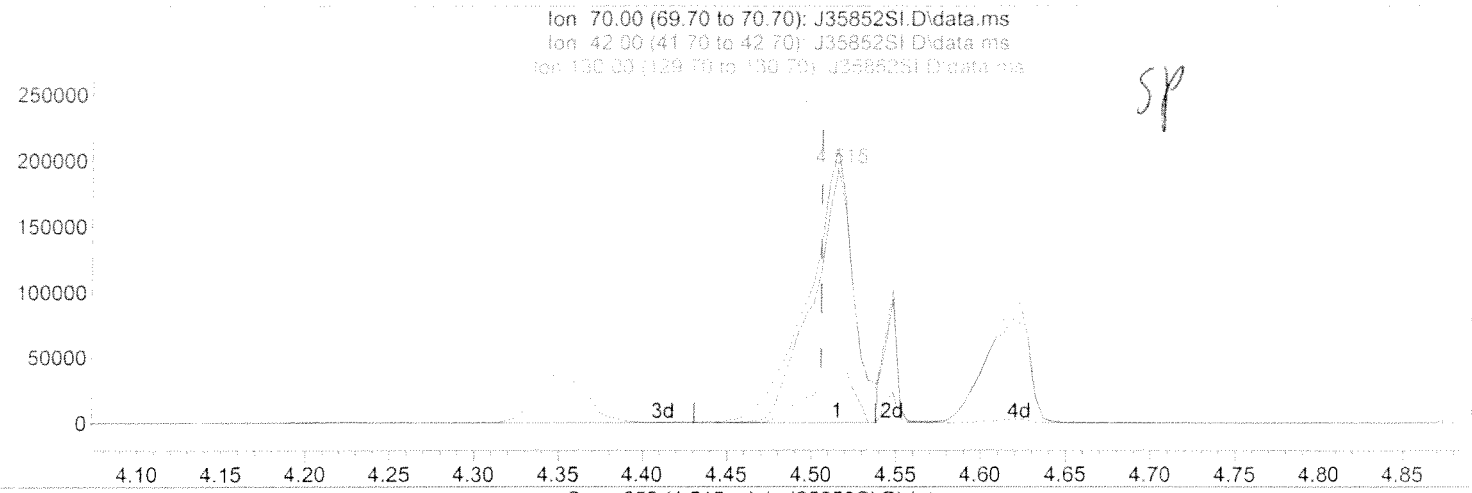
392740

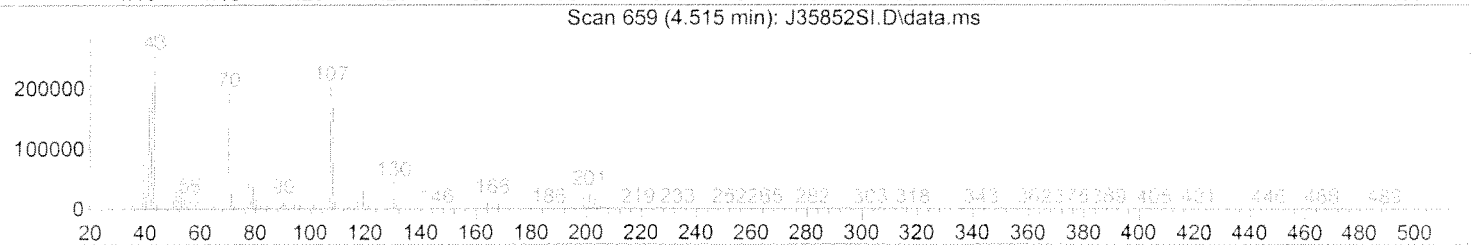
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

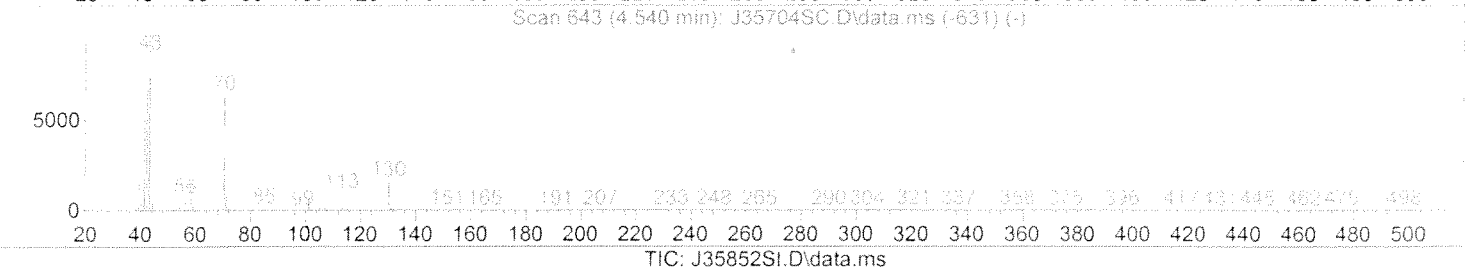
Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

PN 9/23/10

SP







(18) N-nitroso-di-n-propylamine (TMP)

4.515min (+0.009) 43.70ug/ml

response 331692

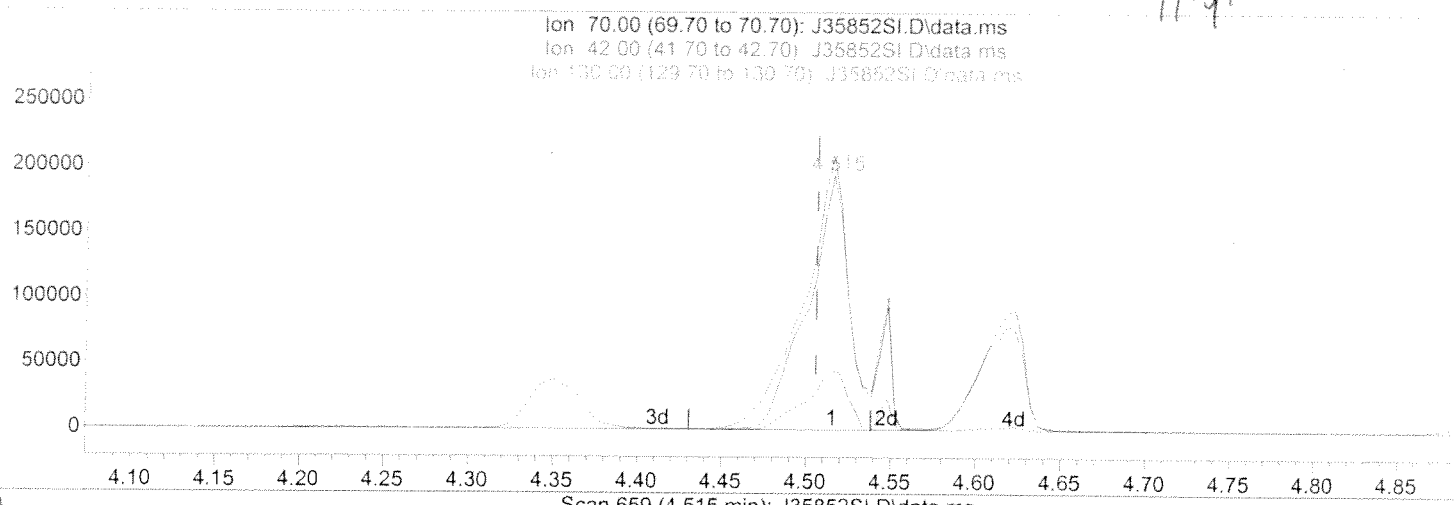
JS 9/27/10

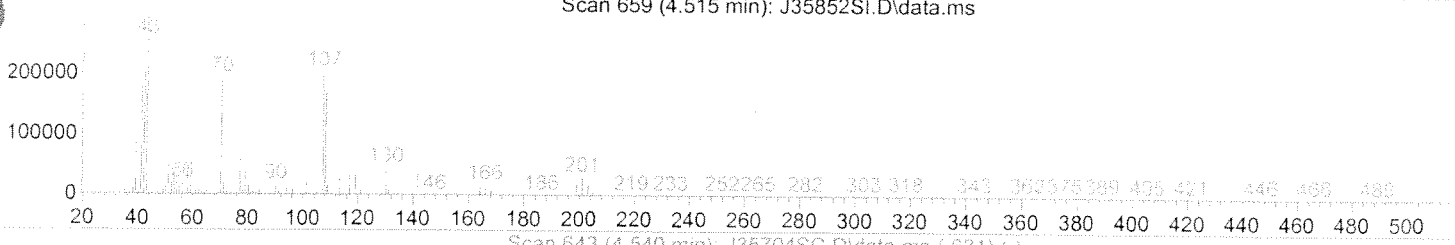
Ion	Exp%	Act%
70.00	100	100
42.00	113.60	115.28
130.00	22.00	23.27
0.00	0.00	0.00

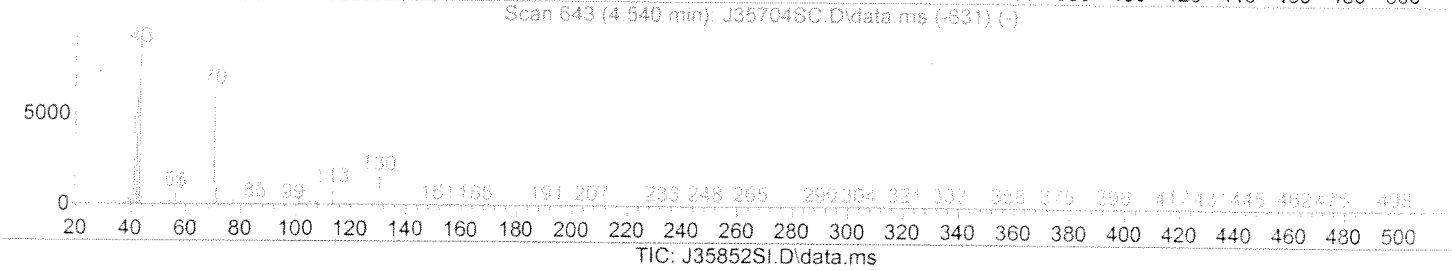
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

9/23/10







(18) N-nitroso-di-n-propylamine (TMP)

4.515min (+0.009) 49.68ug/ml m

response 377092

Ion	Exp%	Act%
70.00	100	100
42.00	113.60	101.40
130.00	22.00	20.47
0.00	0.00	0.00

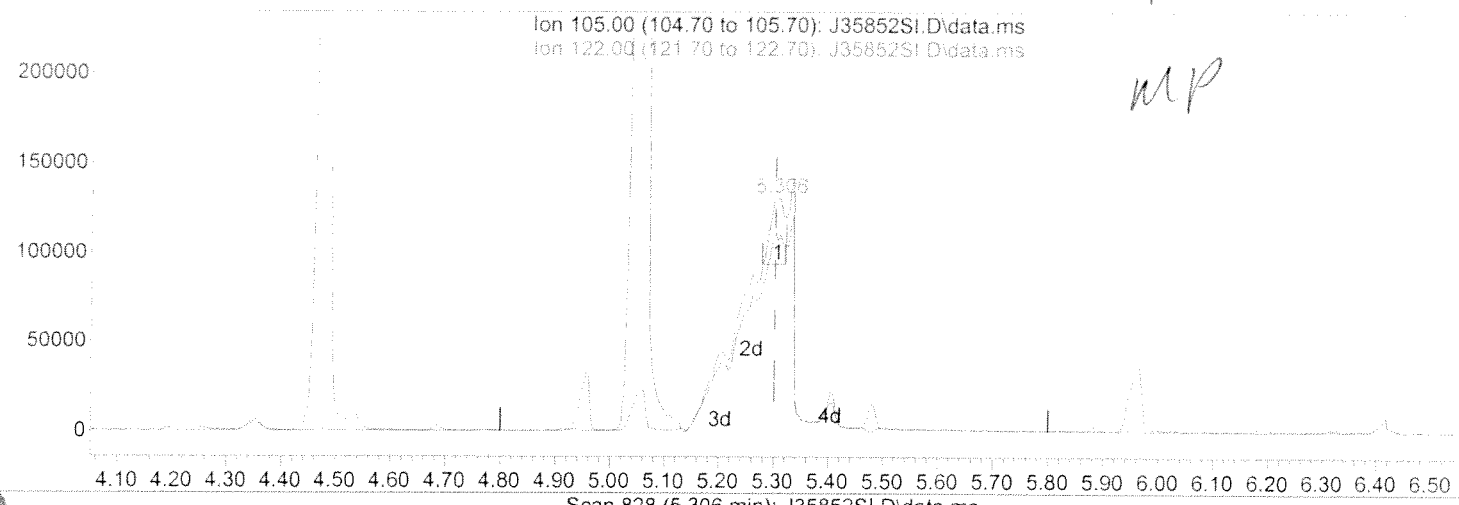
092710

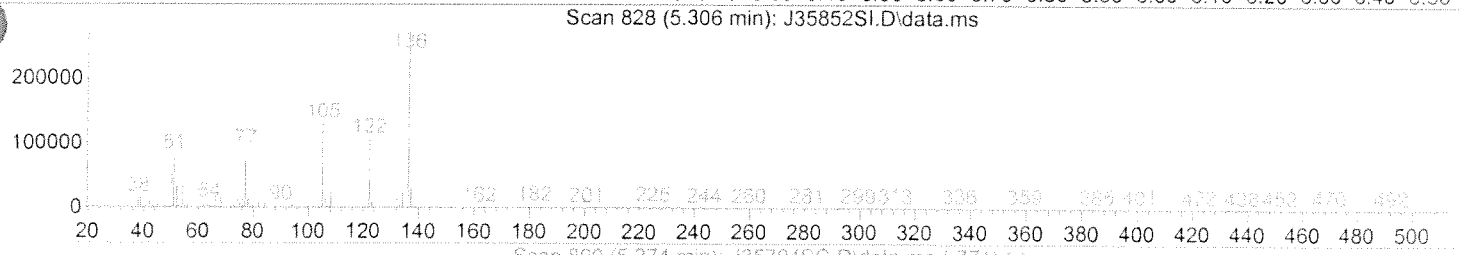
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

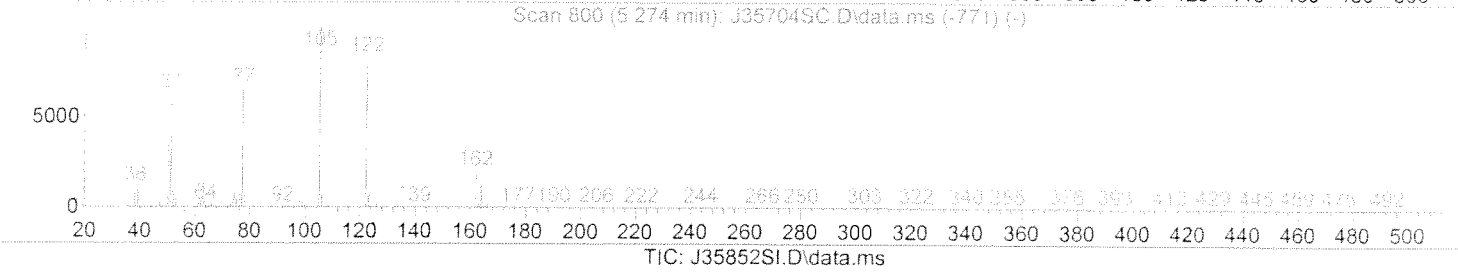
Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

MN
9/23/10

MP







(27) Benzoic Acid (TM)

5.306min (+0.005) 15.40ug/ml

response 68020

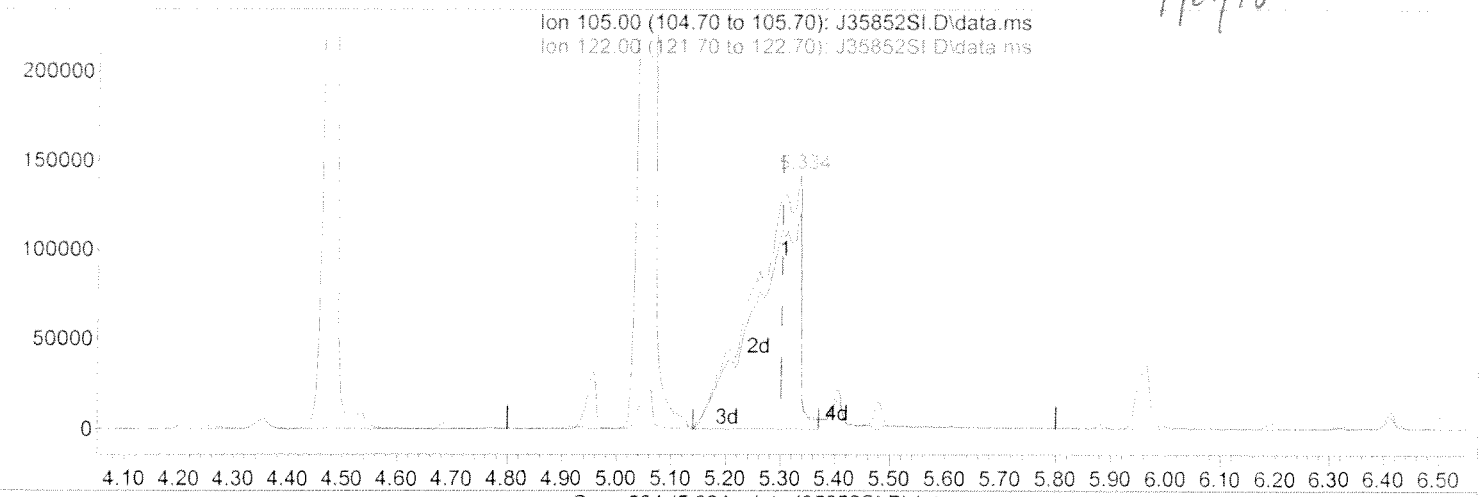
Ion	Exp%	Act%
105.00	100	100
122.00	0.00	422.29#
0.00	0.00	0.00
0.00	0.00	0.00

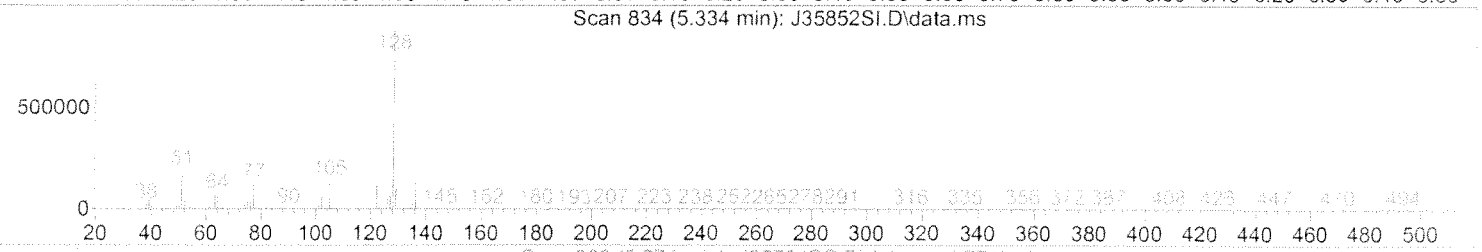
392720

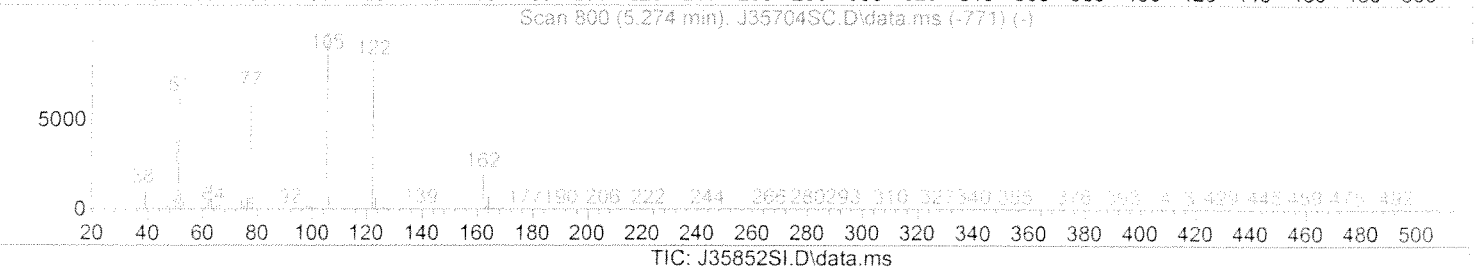
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

9/23/10







TIC: J35852SI.D\data.ms

(27) Benzoic Acid (TM)

5.334min (+0.033) 93.83ug/ml m

response 823752

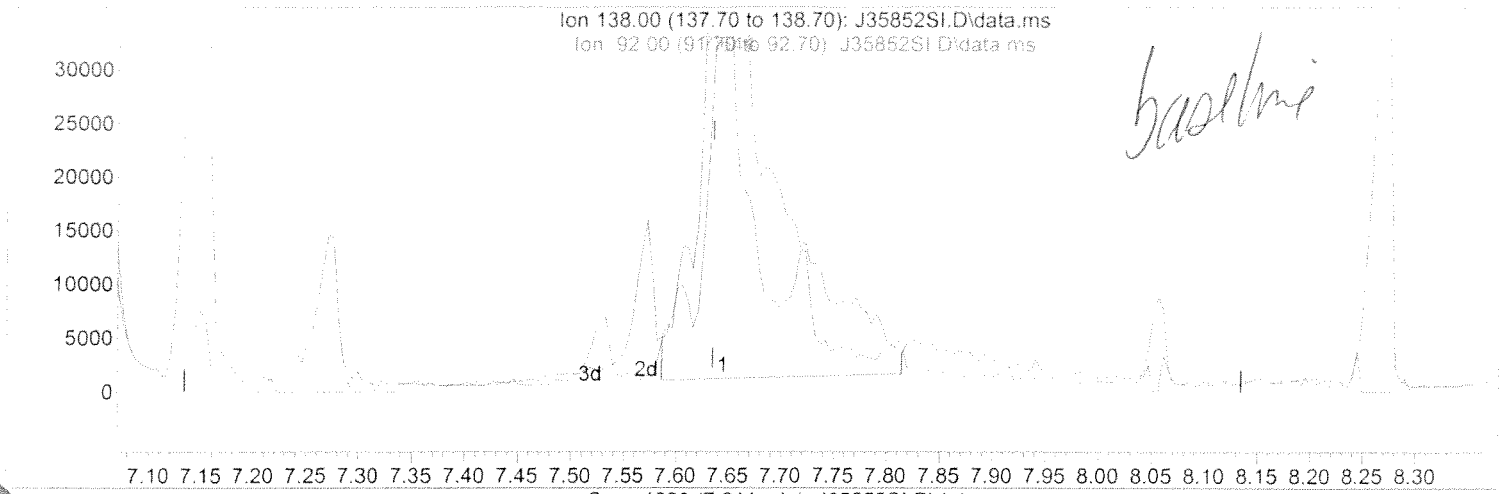
Ion	Exp%	Act%
105.00	100	100
122.00	0.00	34.87#
0.00	0.00	0.00
0.00	0.00	0.00

39270

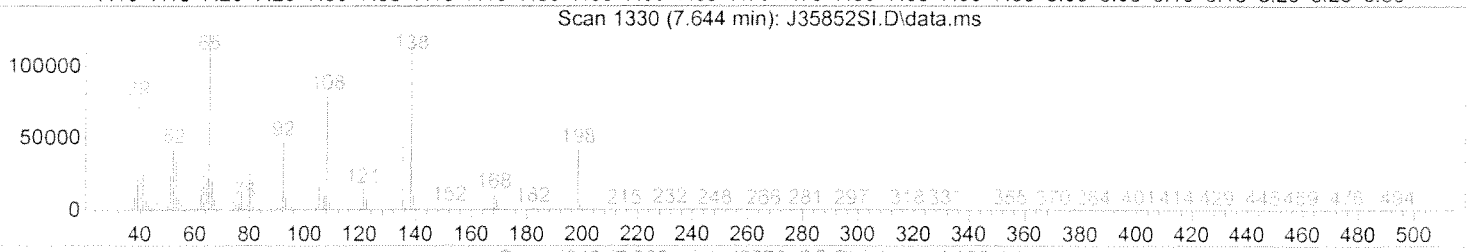
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

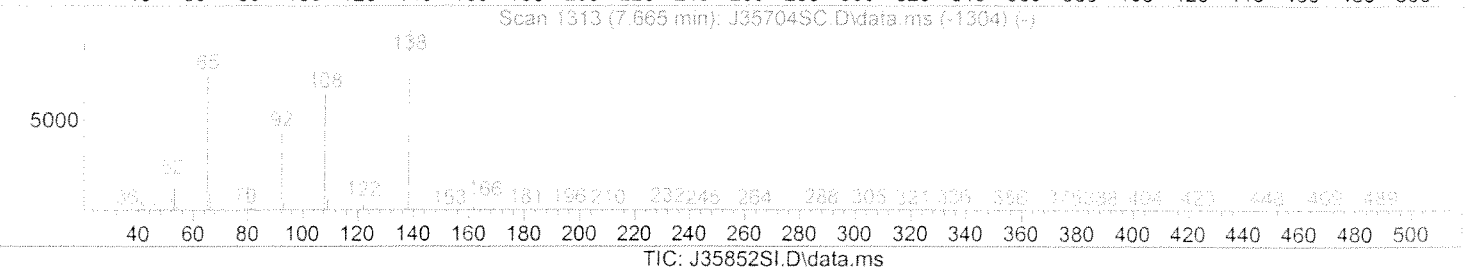
Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

BM
9/21/10



baseline





TIC: J35852SI.D\data.ms

(55) 4-Nitroaniline (TM)

7.644min (+0.010) 50.34ug/ml

response 288153

Ion	Exp%	Act%
138.00	100	100
92.00	25.30	26.58
0.00	0.00	0.00
0.00	0.00	0.00

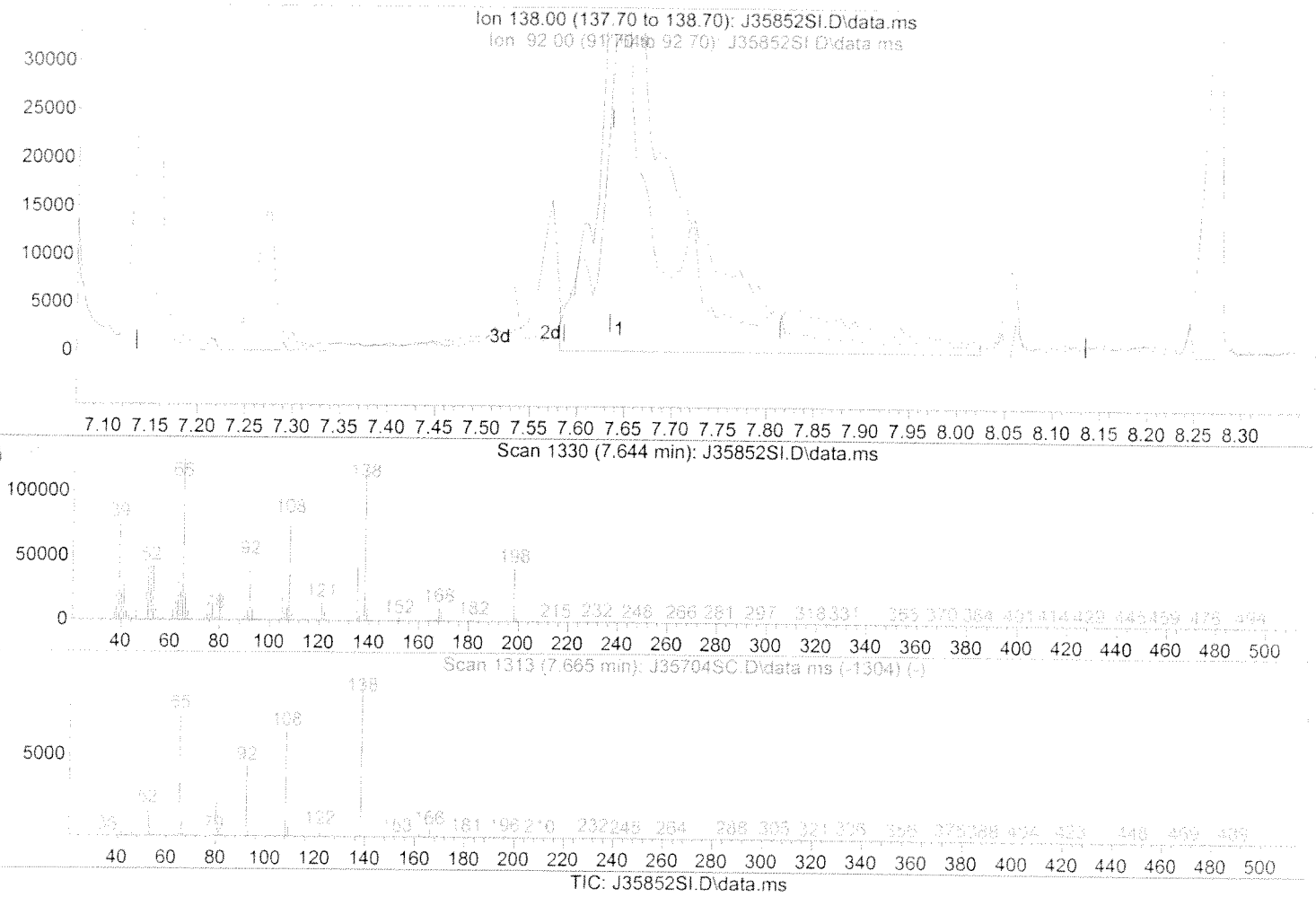
39270

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

9/27/10



(55) 4-Nitroaniline (TM)

7.644min (+0.010) 57.91ug/ml m

response 334787

Ion	Exp%	Act%
138.00	100	100
92.00	25.30	22.87
0.00	0.00	0.00
0.00	0.00	0.00

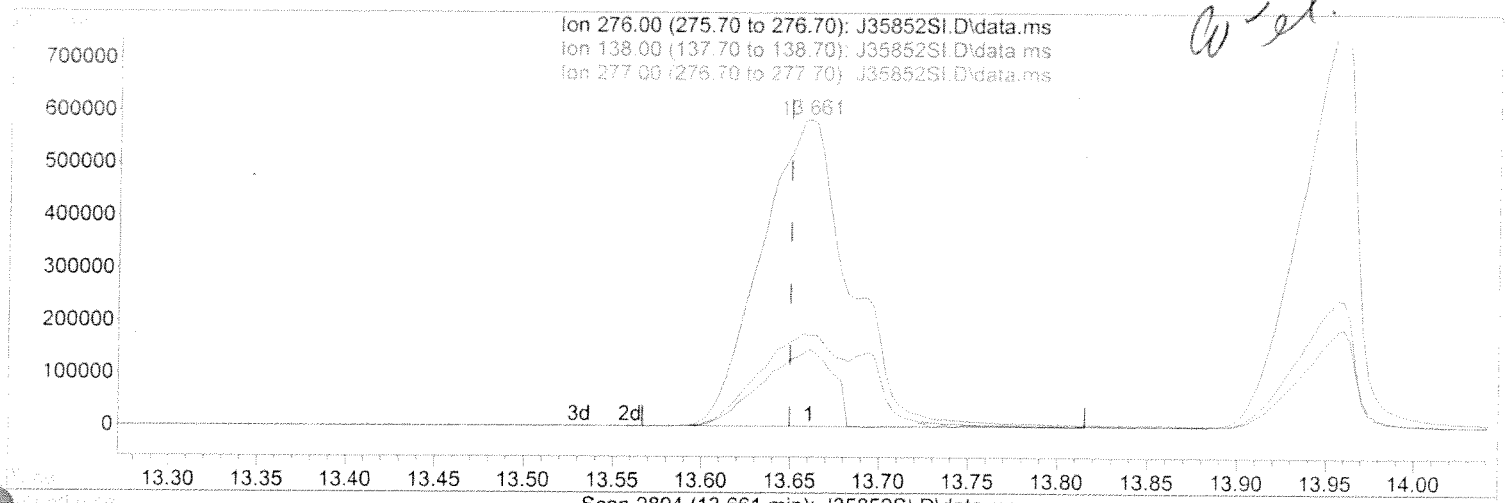
592TW

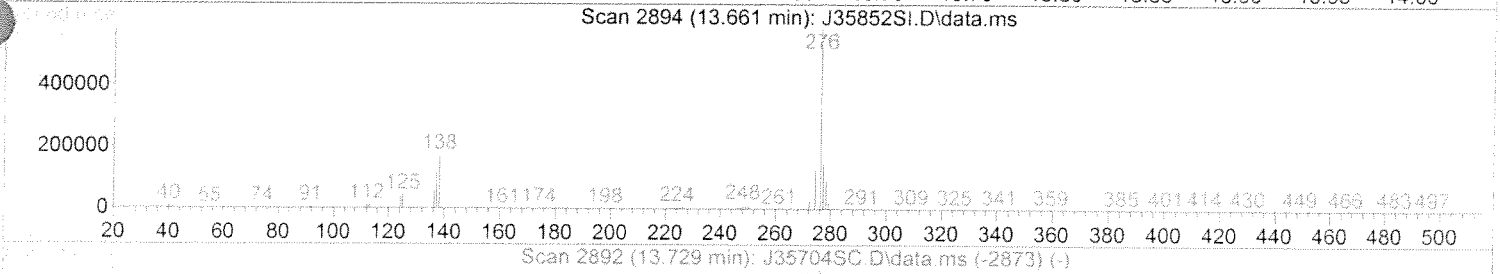
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

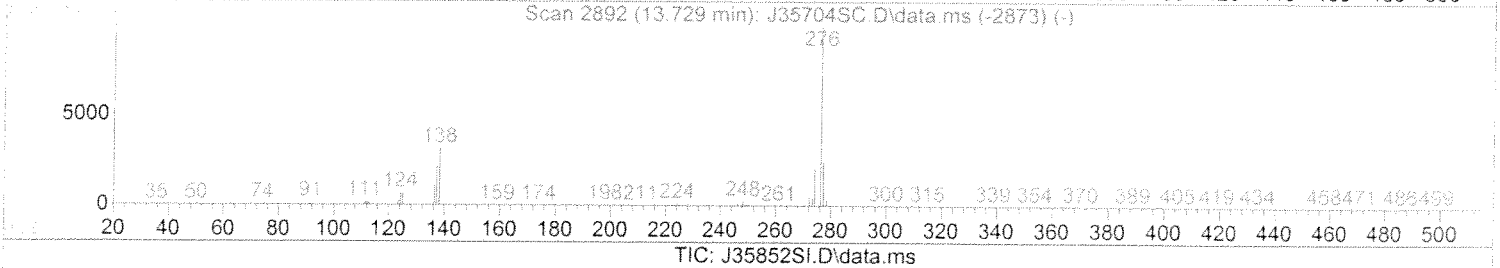
Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

MN 9/23/10

w-el.







TIC: J35852SI.D\data.ms

(84) Indeno [1,2,3-cd] pyrene (TM)

13.661min (+0.011) 66.76ug/ml

response 2039222

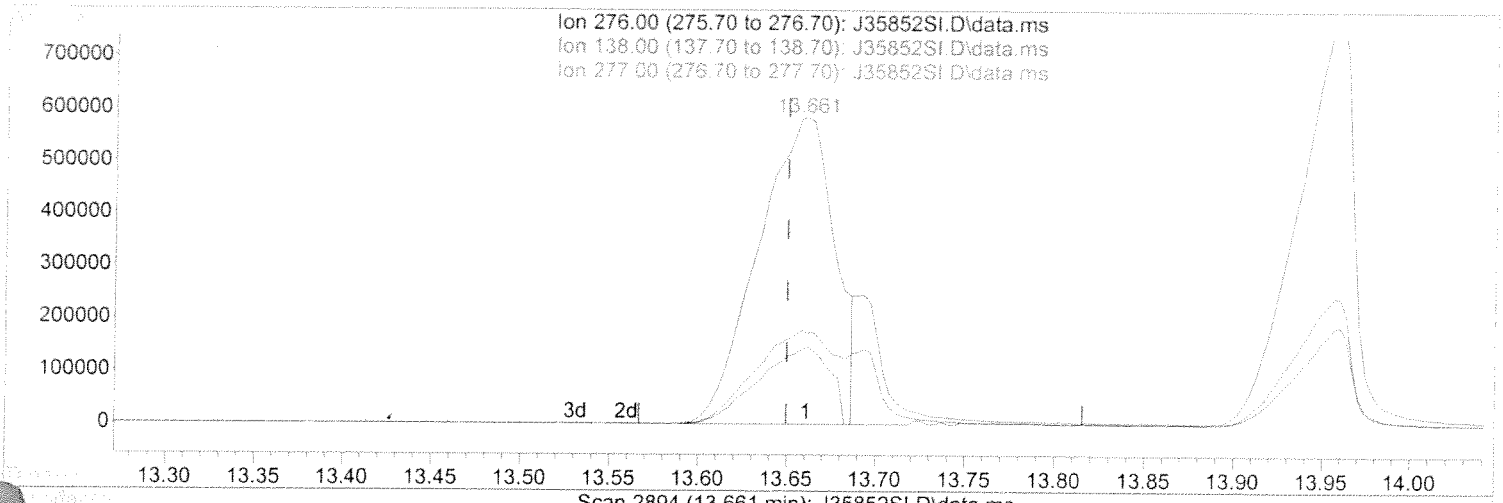
Ion	Exp%	Act%
276.00	100	100
138.00	29.40	36.23#
277.00	23.40	19.82
0.00	0.00	0.00

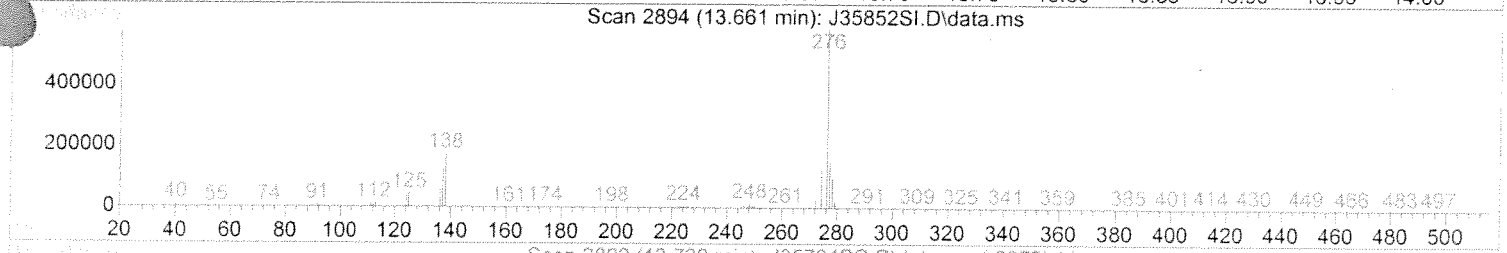
92%

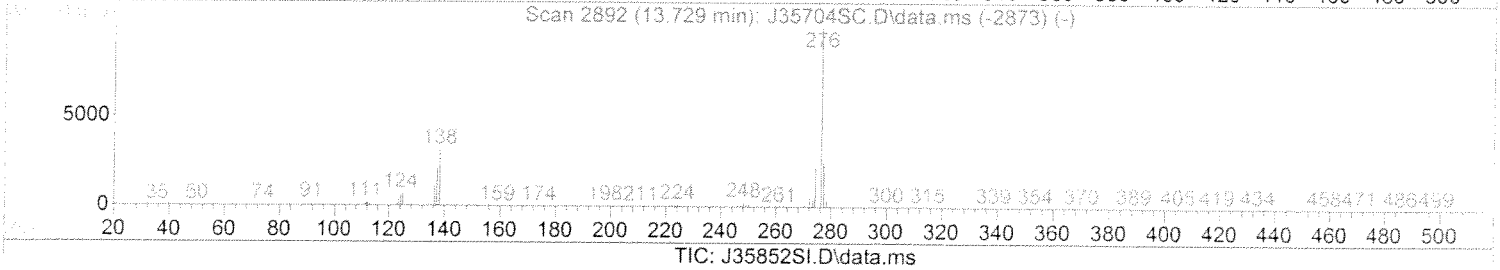
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

OK 9/23/10







TIC: J35852SI.D\data.ms

(84) Indeno [1,2,3-cd] pyrene (TM)

13.661min (+0.011) 57.03ug/ml m

response 1745087

Ion	Exp%	Act%
276.00	100	100
138.00	29.40	42.34#
277.00	23.40	23.16
0.00	0.00	0.00

D927W

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:57:52 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MN 9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.033	152	416986	40.00	ug/ml	0.00
19) d8-Naphthalene	5.329	136	1280463	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.043	164	731503	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.474	188	1175403	40.00	ug/ml	0.00
71) d12-Chrysene	11.018	240	1079202	40.00	ug/ml	0.00
79) d12-Perylene	12.482	264	1111750	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.705	112	2292569	185.27	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 247.03%#			
5) d5-Phenol	3.757	99	2498109	172.54	ug/ml	0.02
Spiked Amount 75.000	Range 15 - 110		Recovery = 230.05%#			
20) d5-nitrobenzene	4.636	82	1899003	171.15	ug/ml	0.01
Spiked Amount 50.000	Range 40 - 110		Recovery = 342.30%#			
39) 2-Fluorobiphenyl	6.426	172	3438043	178.62	ug/ml	0.01
Spiked Amount 50.000	Range 50 - 110		Recovery = 357.24%#			
60) 2,4,6-Tribromophenol	7.824	330	714007	185.32	ug/ml	0.01
Spiked Amount 75.000	Range 40 - 110		Recovery = 247.09%#			
73) d14-p-terphenyl	10.041	244	3494890	163.67	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 327.34%#			

Target Compounds						Qvalue
2) Pyridine	1.536	79	1384207	98.12	ug/ml	97
3) N-nitrosodimethylamine	1.522	74	751465	100.27	ug/ml	97
6) Aniline	3.720	93	1749095	89.99	ug/ml#	78
7) Phenol	3.776	94	2532887	174.01	ug/ml#	89
8) 2-Chlorophenol	3.841	128	2221065	172.15	ug/ml	97
9) bis(2-chloroethyl) ether	3.823	63	1178889m	91.85	ug/ml	
10) 1,3-Dichlorobenzene	3.972	146	1478866	88.91	ug/ml	100
11) 1,4-Dichlorobenzene	4.052	146	1429369	88.74	ug/ml	99
12) 1,2-Dichlorobenzene	4.197	146	1449513	92.86	ug/ml	100
13) Benzyl Alcohol	4.258	108	753081	90.72	ug/ml	98
14) 2-Methylphenol	4.370	108	1724718	166.60	ug/ml	98
15) bis(2-chloroisopropyl)...	4.351	45	1859056	101.36	ug/ml	98
16) 3+4-Methylphenol	4.557	108	1739659	162.25	ug/ml	97
17) Hexachloroethane	4.534	117	442507	Below Cal		99
18) N-nitroso-di-n-propyla...	4.571	70	568512m	86.25	ug/ml	
21) Nitrobenzene	4.655	123	529179	89.64	ug/ml	96
22) Isophorone	4.978	82	1814005m	88.48	ug/ml	
23) 2-Nitrophenol	4.969	139	1237912	195.44	ug/ml	99
24) 2,4-Dimethylphenol	5.076	107	2040316	174.87	ug/ml	99
25) Bis(2-chloroethoxy)met...	5.156	93	1283809	94.37	ug/ml	98
26) 2,4-Dichlorophenol	5.230	162	1824987	167.67	ug/ml	95

JG 9/27/10

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:57:52 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MU 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.390	105	1578047m	185.33 ug/ml	
28) 1,2,4-Trichlorobenzene	5.277	180	1147265	85.01 ug/ml	100
29) Naphthalene	5.352	128	2839362	82.73 ug/ml	100
30) 2,6-Dichlorophenol	5.436	162	1602380	160.75 ug/ml	98
31) 4-Chloroaniline	5.450	127	1051759	92.63 ug/ml	97
32) Hexachlorobutadiene	5.488	225	655285	81.65 ug/ml	100
33) 4-Chloro-3-methylphenol	5.969	107	1595546	166.55 ug/ml	98
34) 2-Methylnaphthalene	6.036	141	1658705	78.32 ug/ml	100
36) Hexachlorocyclopentadiene	6.193	237	673837	102.30 ug/ml	99
37) 2,4,6-Trichlorophenol	6.350	196	1314202	168.45 ug/ml	98
38) 2,4,5-Trichlorophenol	6.399	196	1364582	155.66 ug/ml	98
40) 2-Chloronaphthalene	6.520	162	1648404	102.21 ug/ml	100
41) 2-Nitroaniline	6.646	138	891049	99.32 ug/ml	100
42) 2,6-Dinitrotoluene	6.897	165	507179	92.06 ug/ml	94
43) Dimethyl Phthalate	6.853	163	2294547	80.14 ug/ml	100
44) Acenaphthylene	6.907	152	2649009	75.35 ug/ml	99
45) 3-Nitroaniline	7.067	138	453267m	87.17 ug/ml	
46) Acenaphthene	7.081	153	1706938	76.52 ug/ml	99
47) 2,4-dinitrophenol	7.174	184	758090	214.71 ug/ml	99
48) Dibenzofuran	7.251	168	2775968	79.89 ug/ml	98
49) 4-Nitrophenol	7.305	109	547789	195.20 ug/ml	97
50) 2,4-Dinitrotoluene	7.290	165	652948	96.33 ug/ml#	75
51) 2,3,4,6-Tetrachlorophenol	7.392	232	1219567	176.24 ug/ml	99
52) Fluorene	7.581	166	1996421	75.66 ug/ml	99
53) Diethyl Phthalate	7.547	149	2036376	75.61 ug/ml	100
54) 4-Chlorophenyl phenyl ...	7.596	204	950639	104.53 ug/ml	98
55) 4-Nitroaniline	7.678	138	527130m	100.44 ug/ml	
56) 4,6-Dinitro-2-methylph...	7.698	198	927398	202.00 ug/ml	98
57) n-nitrosodiphenylamine	7.736	169	1466938	75.95 ug/ml	91
58) Azobenzene	7.756	77	1788925	78.08 ug/ml#	85
59) Biphenyl	6.511	154	1856284	105.99 ug/ml	99
62) 4-bromophenyl phenyl e...	8.064	248	687545	85.04 ug/ml	99
63) Hexachlorobenzene	8.105	284	738730	89.73 ug/ml	98
64) Pentachlorophenol	8.316	266	959724	188.20 ug/ml	98
65) Phenanthrene	8.501	178	2970179	84.98 ug/ml	100
66) Anthracene	8.551	178	2897972	80.23 ug/ml	100
67) Carbazole	8.717	167	1965998	99.91 ug/ml	99
68) Di-n-butyl phthalate	9.100	149	3533433	82.77 ug/ml	100
69) Fluoranthene	9.637	202	3100530	78.66 ug/ml	100
70) Benzidine	9.799	184	484422	79.98 ug/ml	98
72) Pyrene	9.850	202	3263526	89.60 ug/ml	100
74) Butyl benzyl phthalate	10.535	149	1608016	95.42 ug/ml	99
75) Benzo[a]anthracene	10.999	228	2860586	96.53 ug/ml	100

DY 27W

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:57:52 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.049	228	2804202	89.23 ug/ml	100
77) 3,3'-Dichlorobenzidine	11.015	252	701528	108.29 ug/ml	99
78) Bis (2-ethylhexyl) pht...	11.109	149	2031642	94.81 ug/ml	100
80) di-n-octyl-phthalate	11.768	149	3656659	96.11 ug/ml	99
81) Benzo[b] fluoranthene	12.100	252	3734051	119.94 ug/ml	99
82) Benzo[k] fluoranthene	12.125	252	2002183m	81.42 ug/ml	
83) Benzo[a] pyrene	12.432	252	2893182	90.99 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	13.686	276	2634081m	103.19 ug/ml	
85) Dibenz [a,h] anthracene	13.715	278	2413756	99.45 ug/ml	99
86) Benzo(g,h,i) perylene	13.978	276	2470288	90.21 ug/ml	100

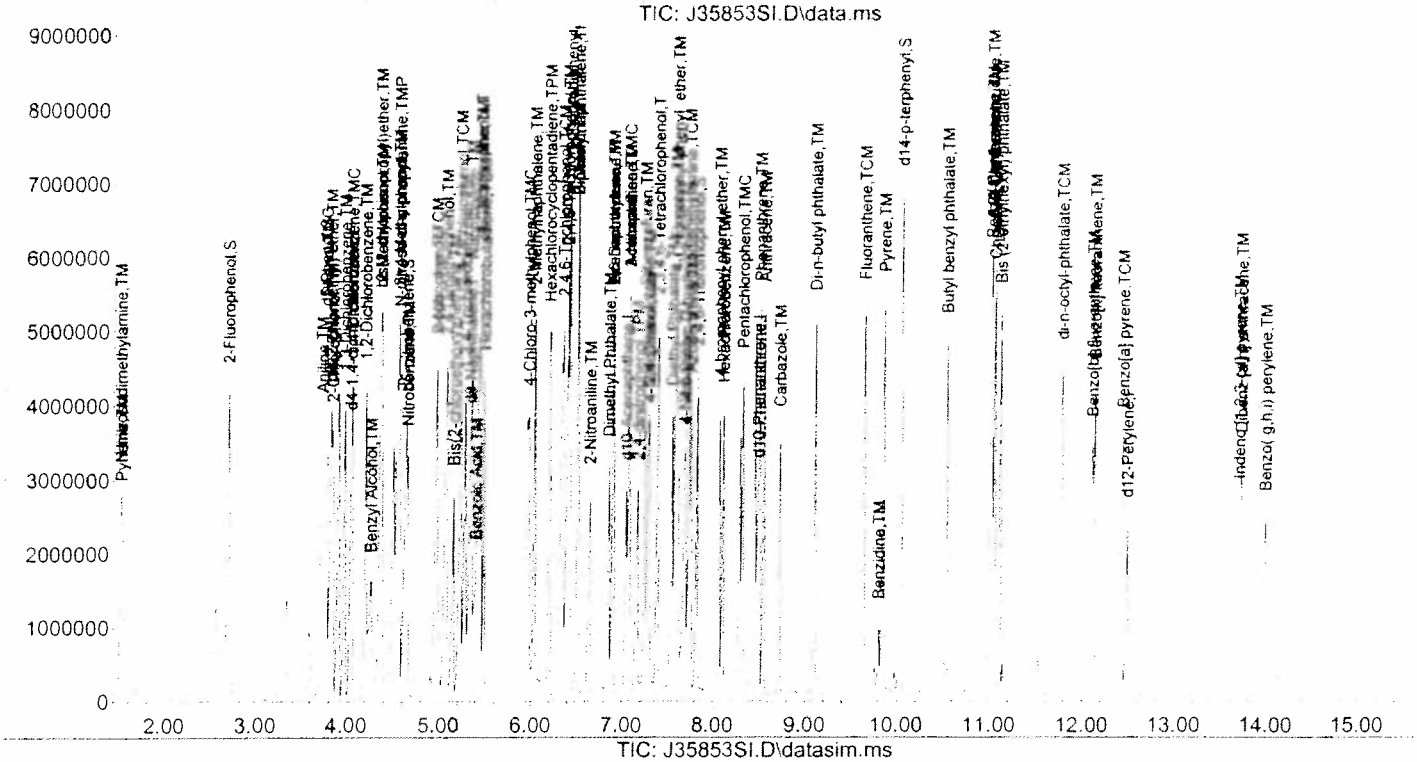
(#) = qualifier out of range (m) = manual integration (+) = signals summed

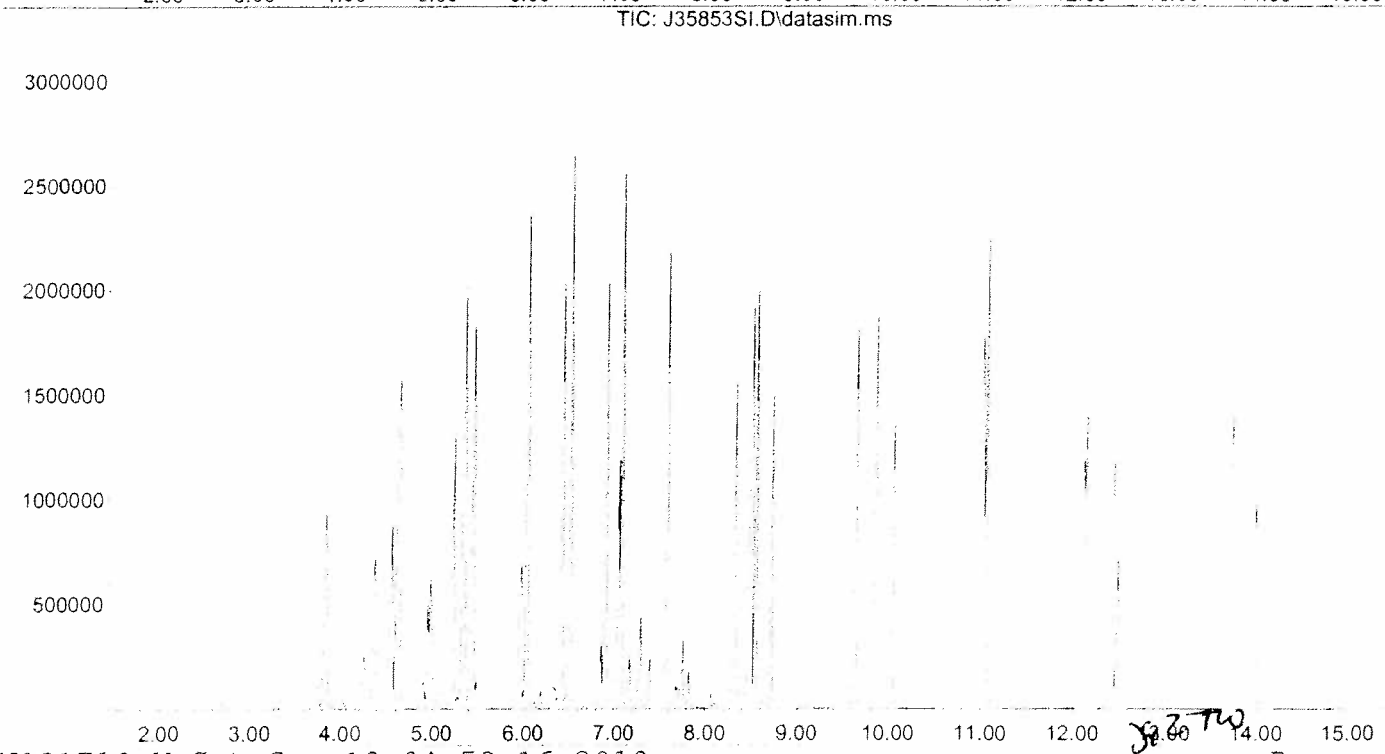
J92740

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:57:52 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MV
9/23/10

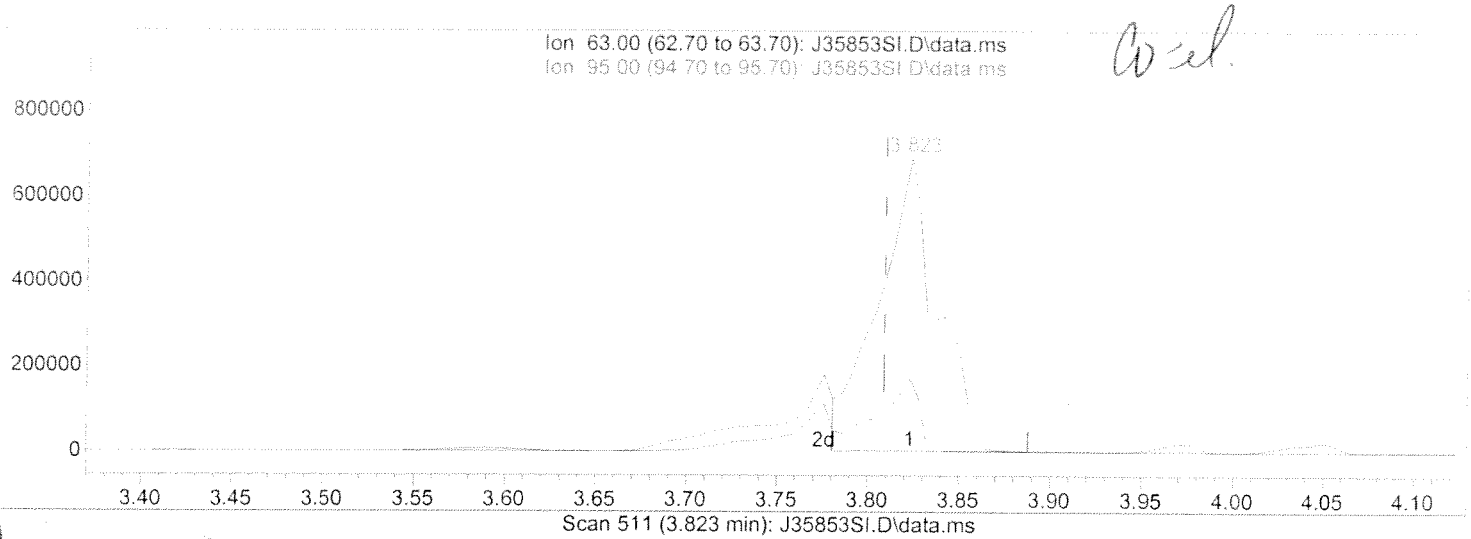


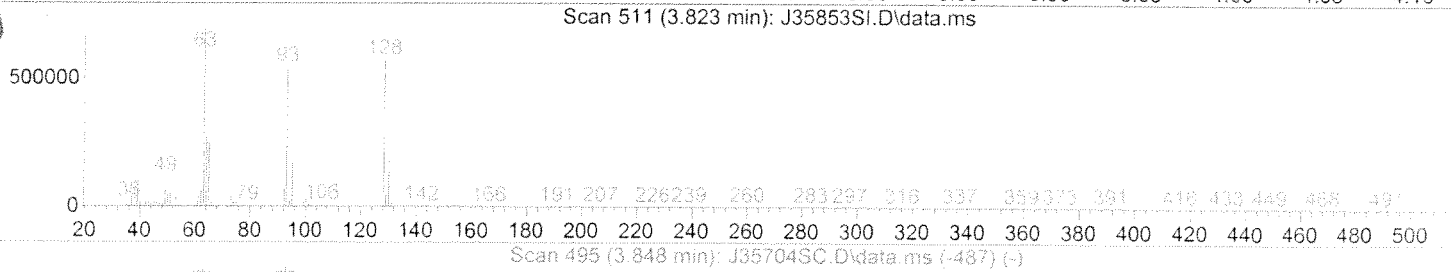


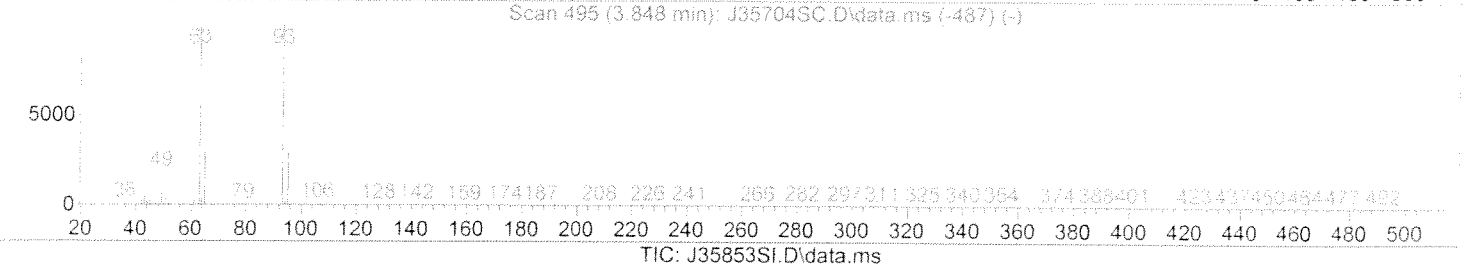
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:53:50 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MN
9/23/10
Cal.







59270

(9) bis(2-chloroethyl) ether (TM)

3.823min (+0.014) 118.87ug/ml

response 1525755

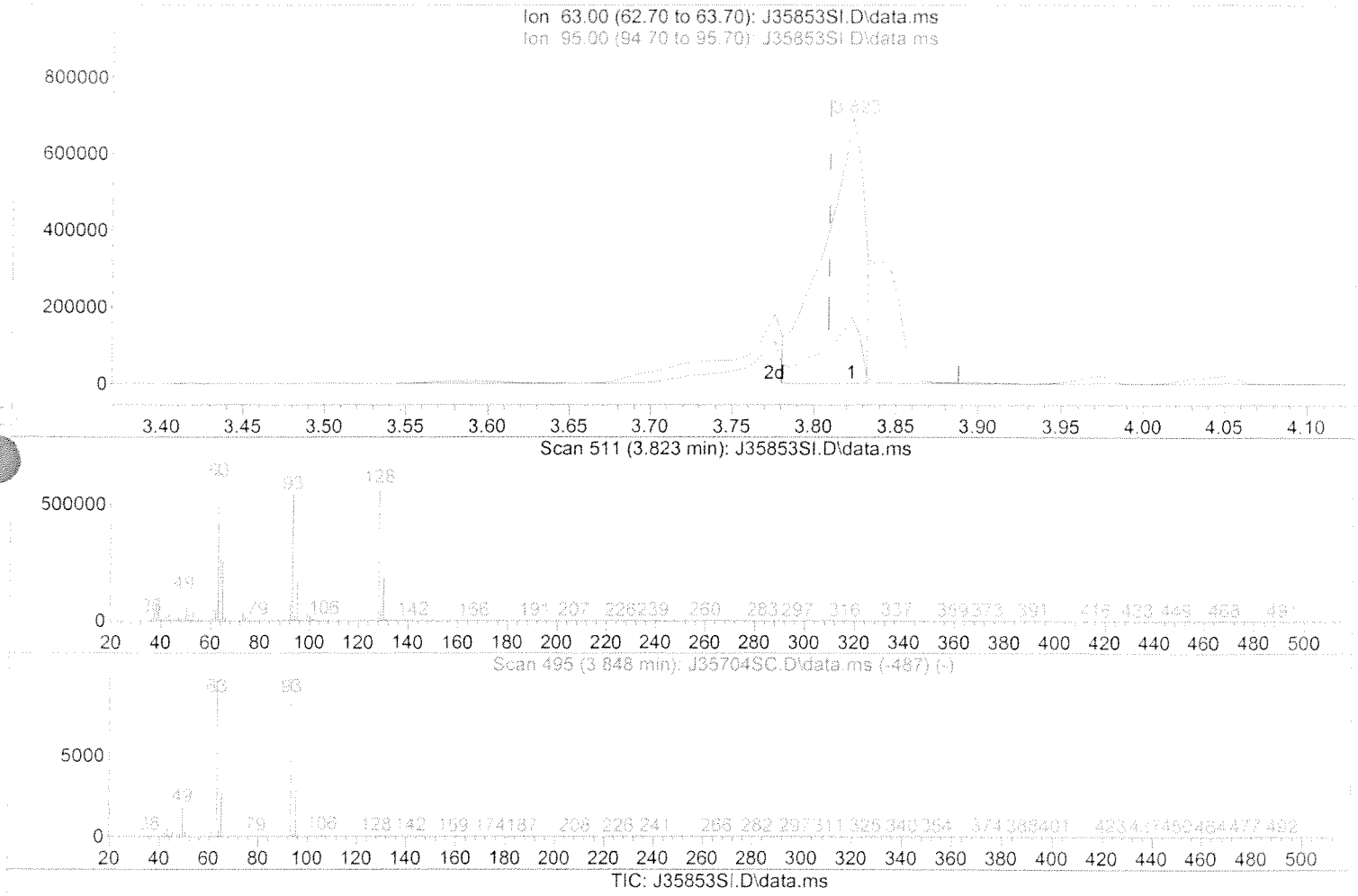
Ion	Exp%	Act%
63.00	100	100
95.00	24.80	17.04#
0.00	0.00	0.00
0.00	0.00	0.00

Quantification Report (QuanR)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:53:50 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/23/10



(9) bis(2-chloroethyl) ether (TM)

3.823min (+0.014) 91.85ug/ml m

response 1178889

Ion	Exp%	Act%
63.00	100	100
95.00	24.80	22.06
0.00	0.00	0.00
0.00	0.00	0.00

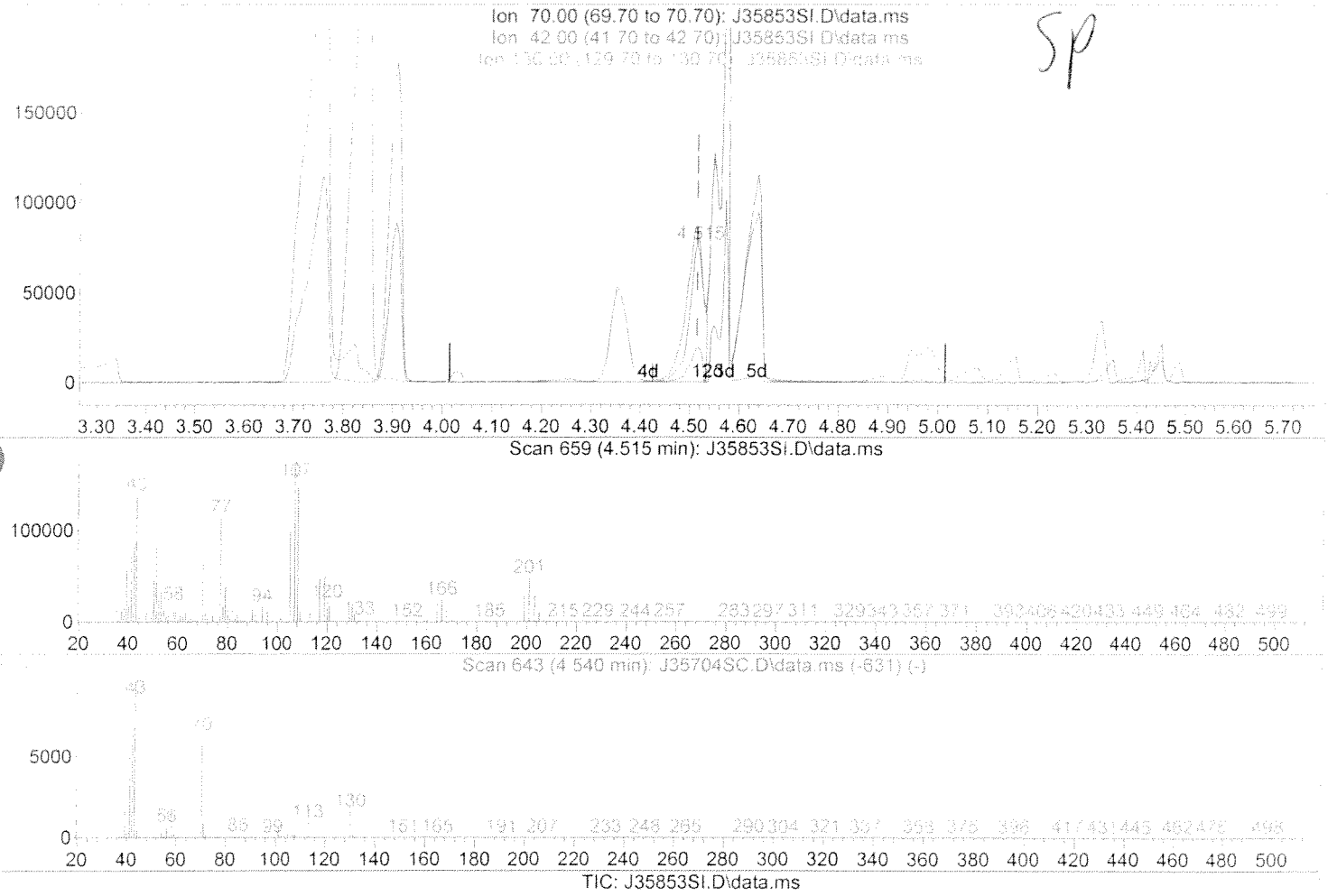
092710

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:53:50 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MV 9/23/10

SP



J42740

(18) N-nitroso-di-n-propylamine (TMP)

4.515min (-0.000) 24.14ug/ml

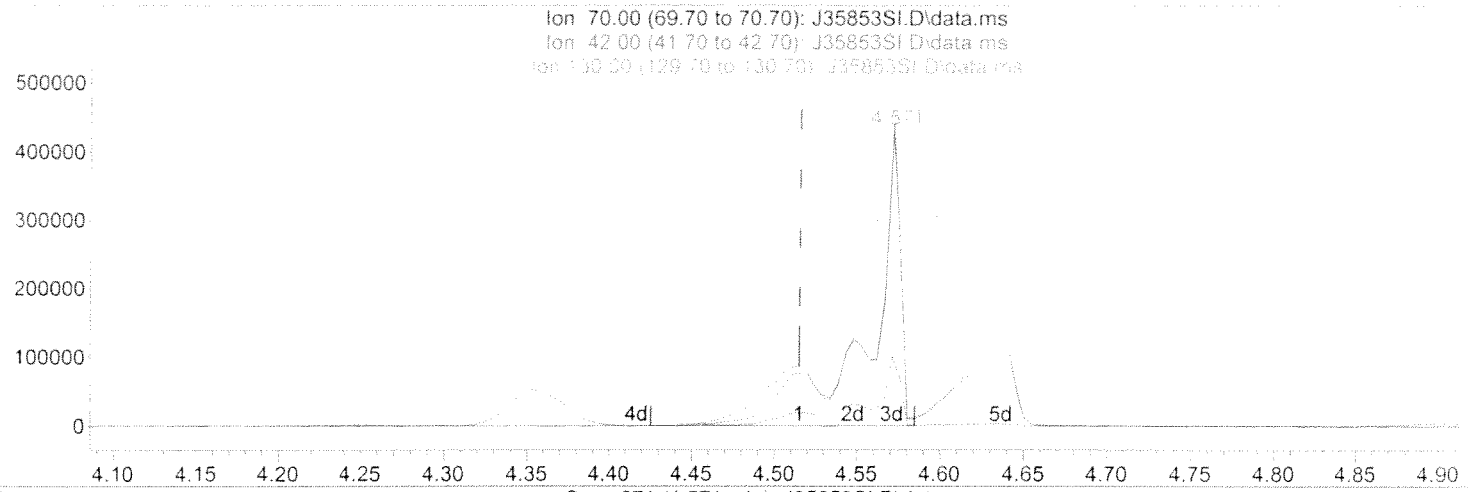
response 159127

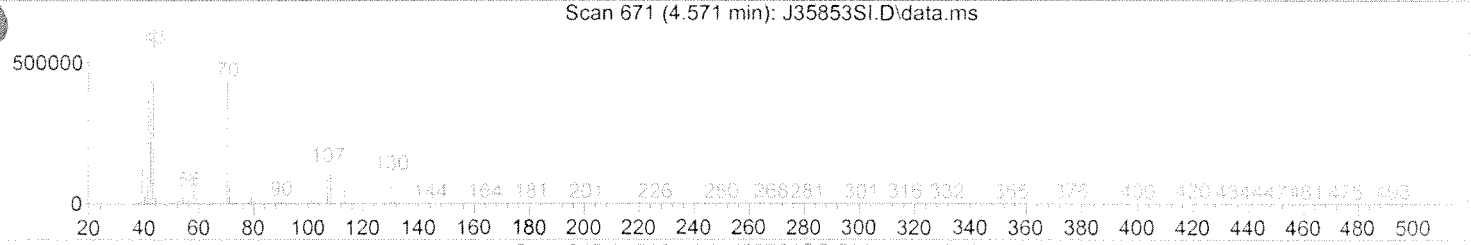
Ion	Exp%	Act%
70.00	100	100
42.00	101.40	130.18#
130.00	20.50	21.69
0.00	0.00	0.00

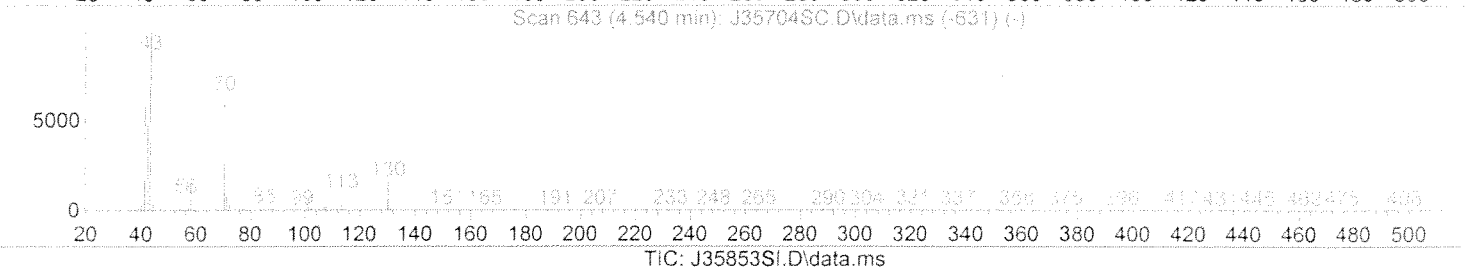
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/23/10







(18) N-nitroso-di-n-propylamine (TMP)

4.571min (+0.056) 86.25ug/ml m

response 568512

Ion	Exp%	Act%
70.00	100	100
42.00	101.40	36.44#
130.00	20.50	6.07#
0.00	0.00	0.00

SYZTW

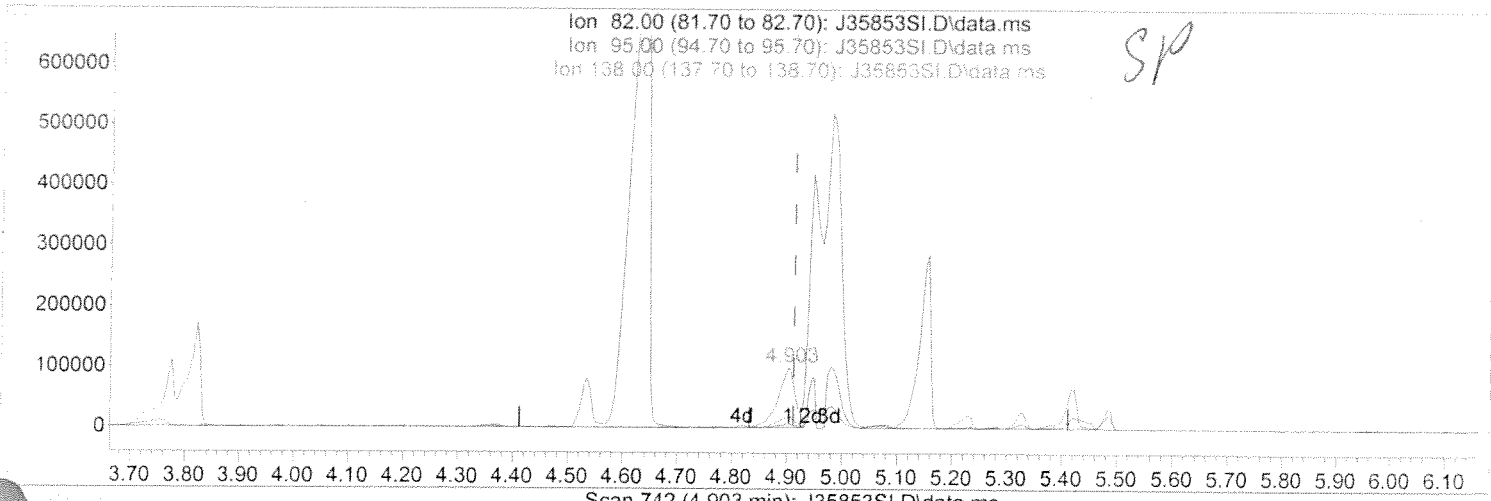
Quantitation Report (Qedit)

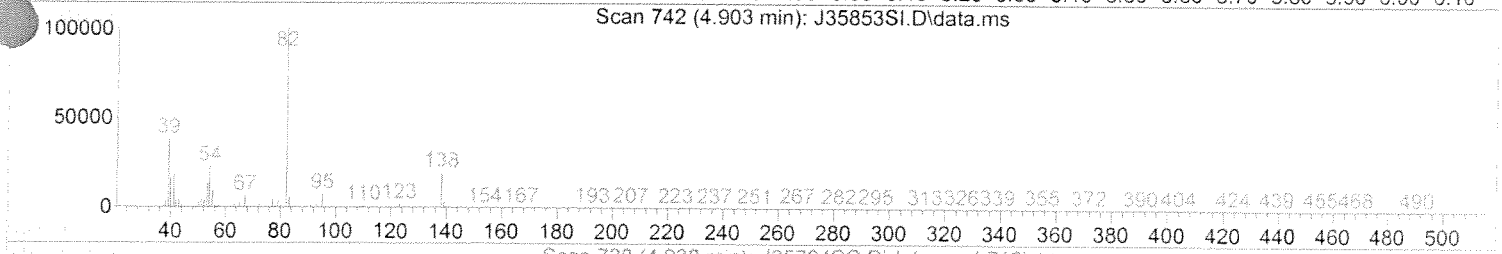
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

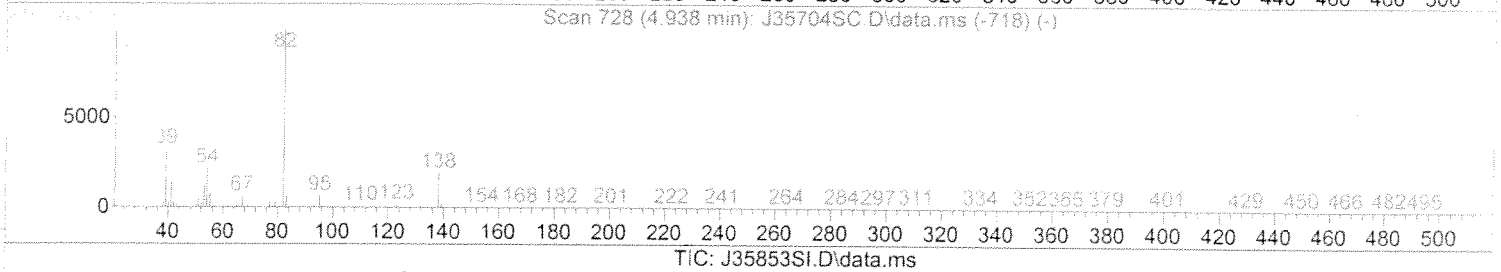
Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MV 9/03/10

SP







TIC: J35853SI.D\data.ms

(22) Isophorone (TM)

4.903min (-0.010) 10.52ug/ml

response 215589

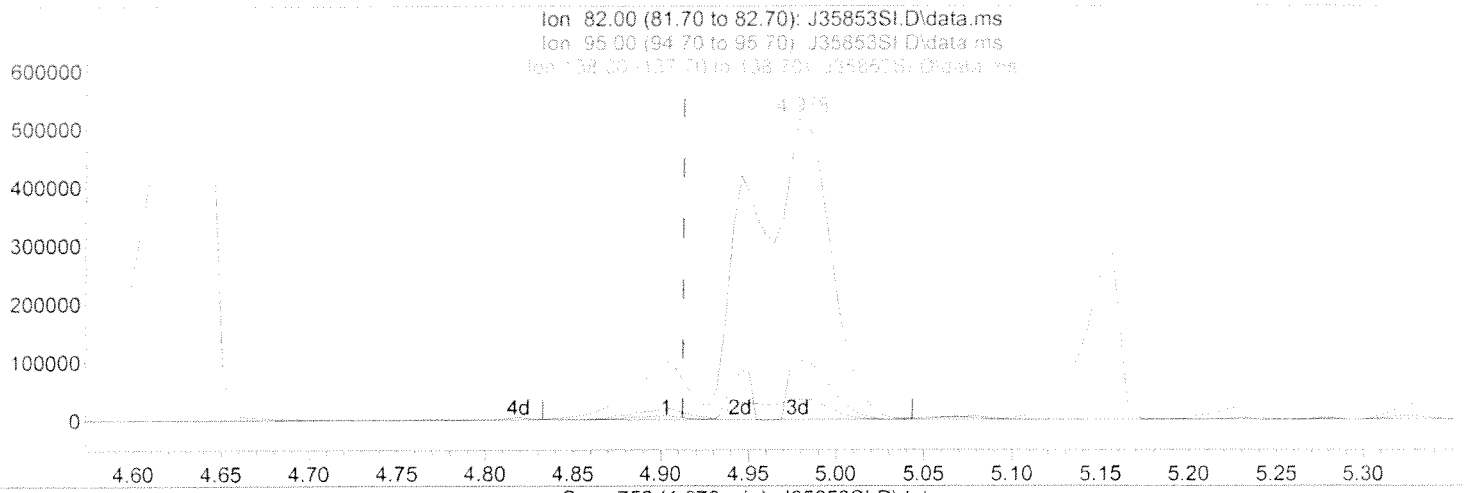
Ion	Exp%	Act%
82.00	100	100
95.00	7.00	6.92
138.00	17.40	20.58
0.00	0.00	0.00

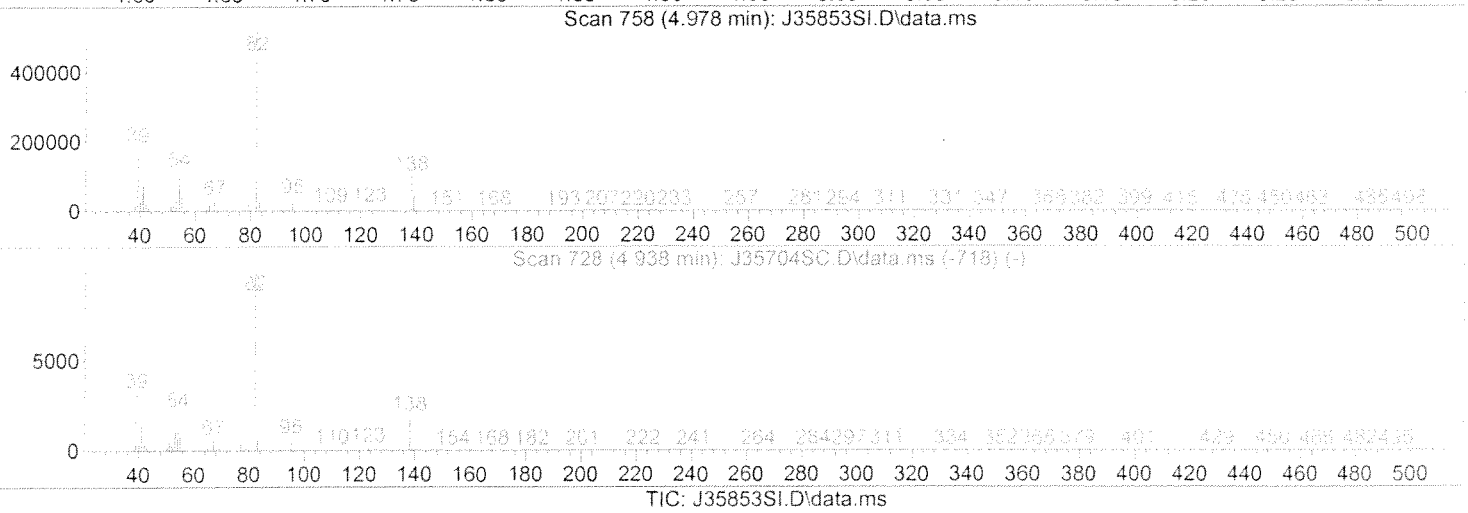
34270

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/22/10





(22) Isophorone (TM)

4.978min (+0.065) 88.48ug/ml m

response 1814005

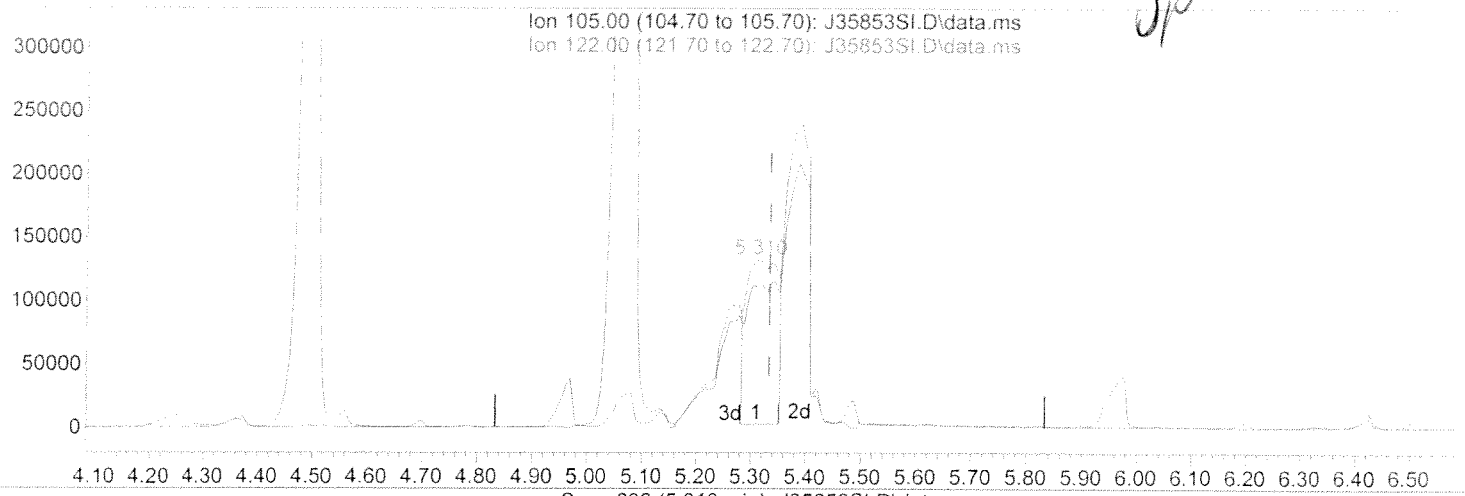
Ion	Exp%	Act%
82.00	100	100
95.00	7.00	0.82#
138.00	17.40	2.45#
0.00	0.00	0.00

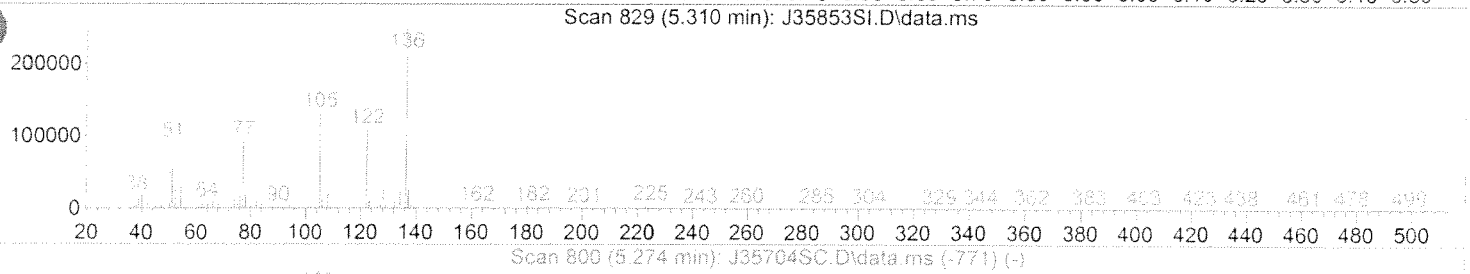
SYZMO

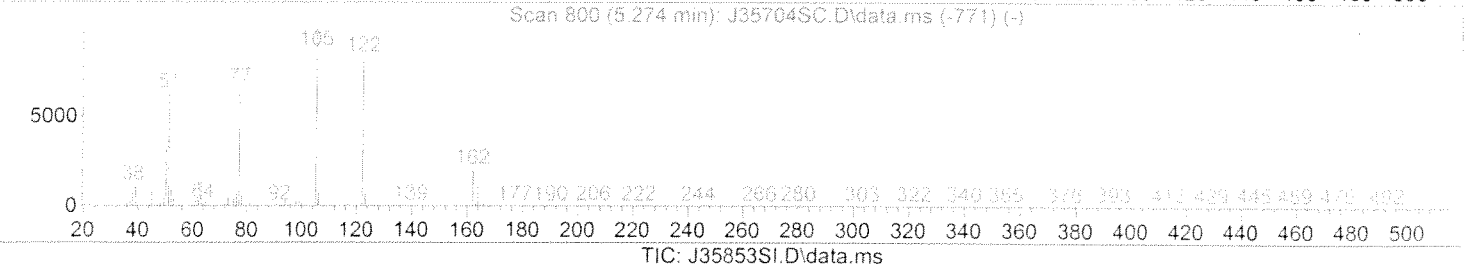
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MN 9/23/10 SP







TIC: J35853SI.D\data.ms

(27) Benzoic Acid (TM)

5.310min (-0.024) 67.79ug/ml

response 510675

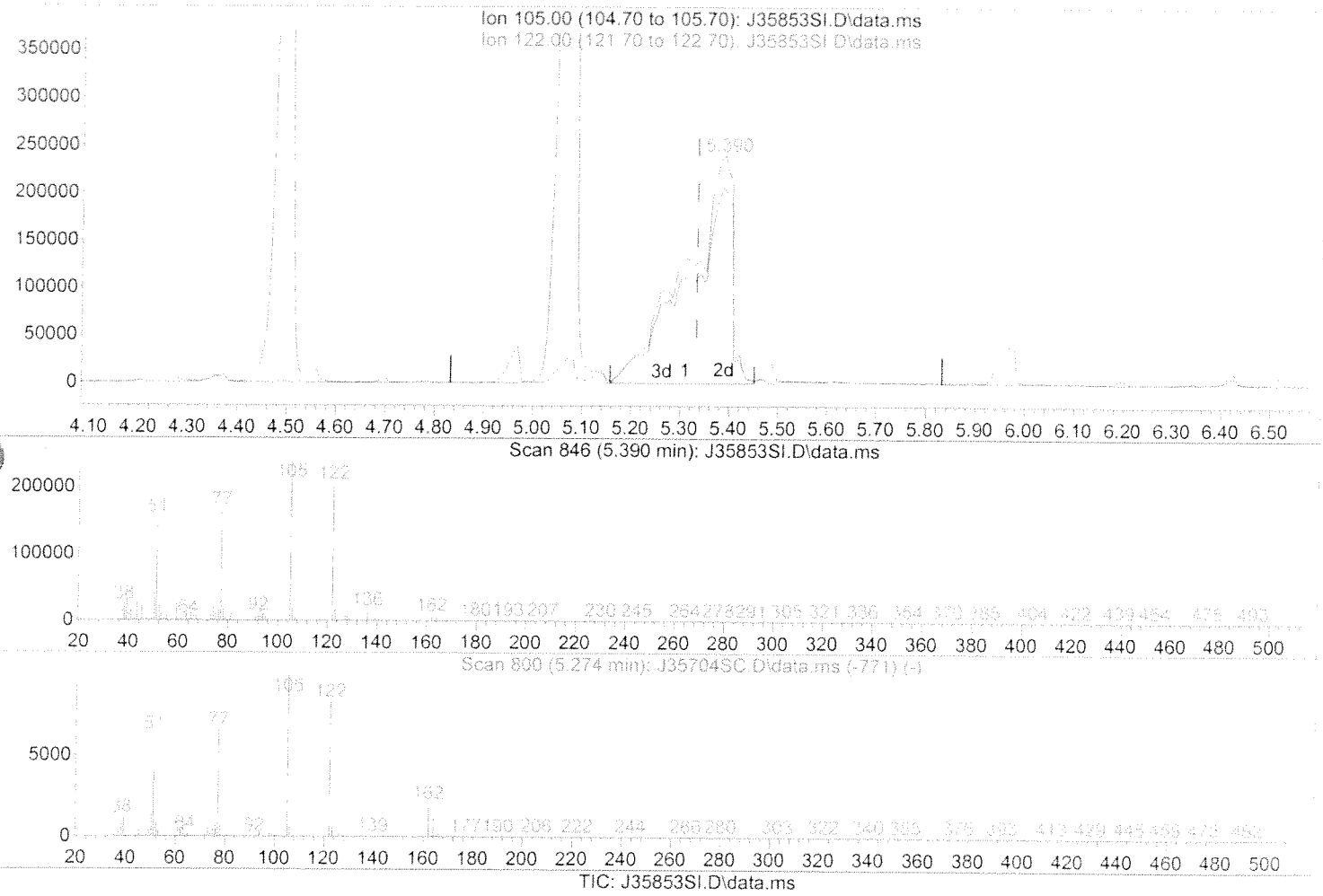
Ion	Exp%	Act%
105.00	100	100
122.00	34.90	83.13#
0.00	0.00	0.00
0.00	0.00	0.00

JG 2/10

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MN
9/23/10



(27) Benzoic Acid (TM)

5.390min (+0.056) 185.33ug/ml m

response 1578047

Ion	Exp%	Act%
105.00	100	100
122.00	34.90	26.90#
0.00	0.00	0.00
0.00	0.00	0.00

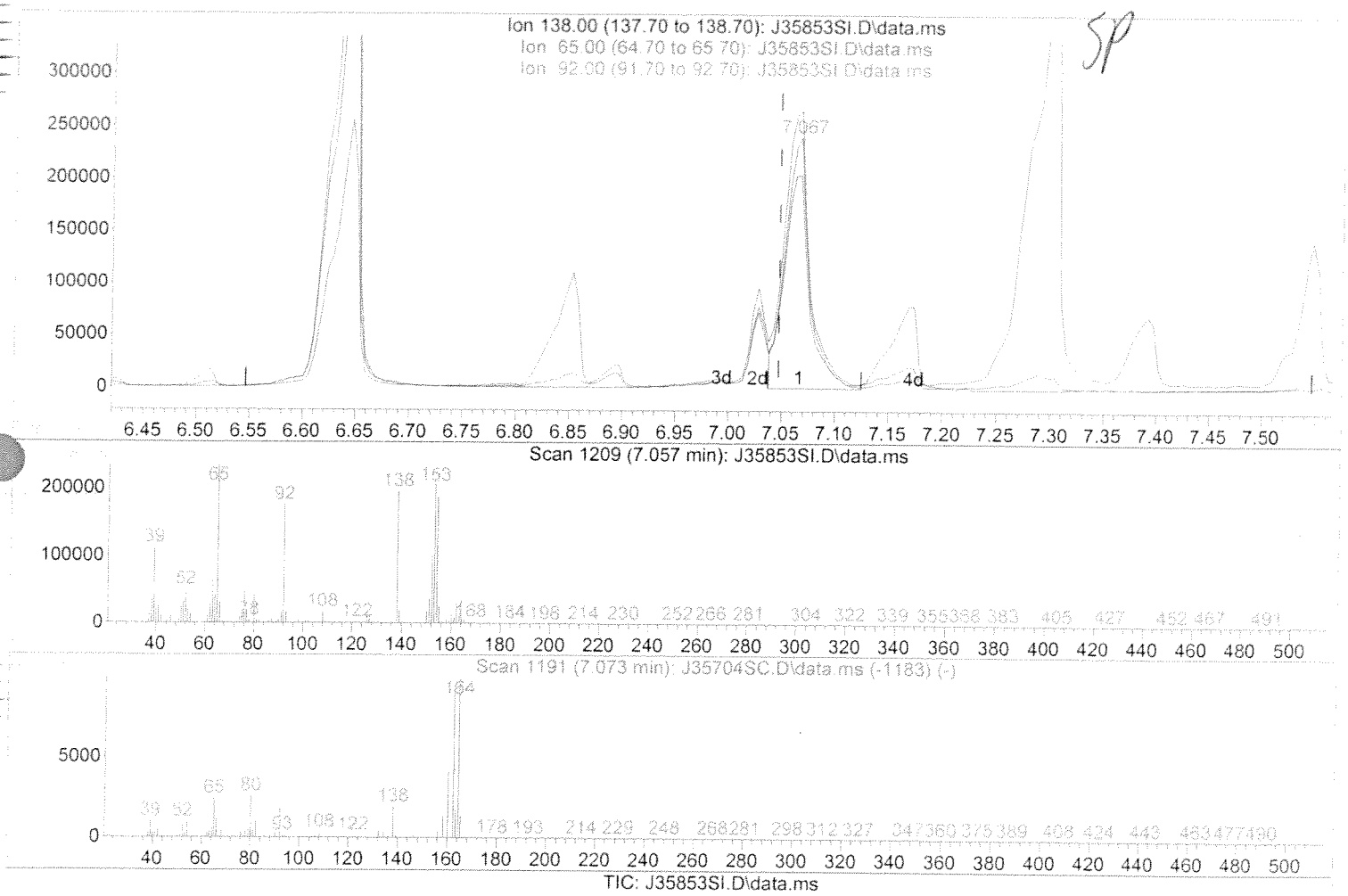
JR 27W

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MV 9/20/10

SP



(45) 3-Nitroaniline (TM)

7.067min (+0.019) 74.09ug/ml

response 385244

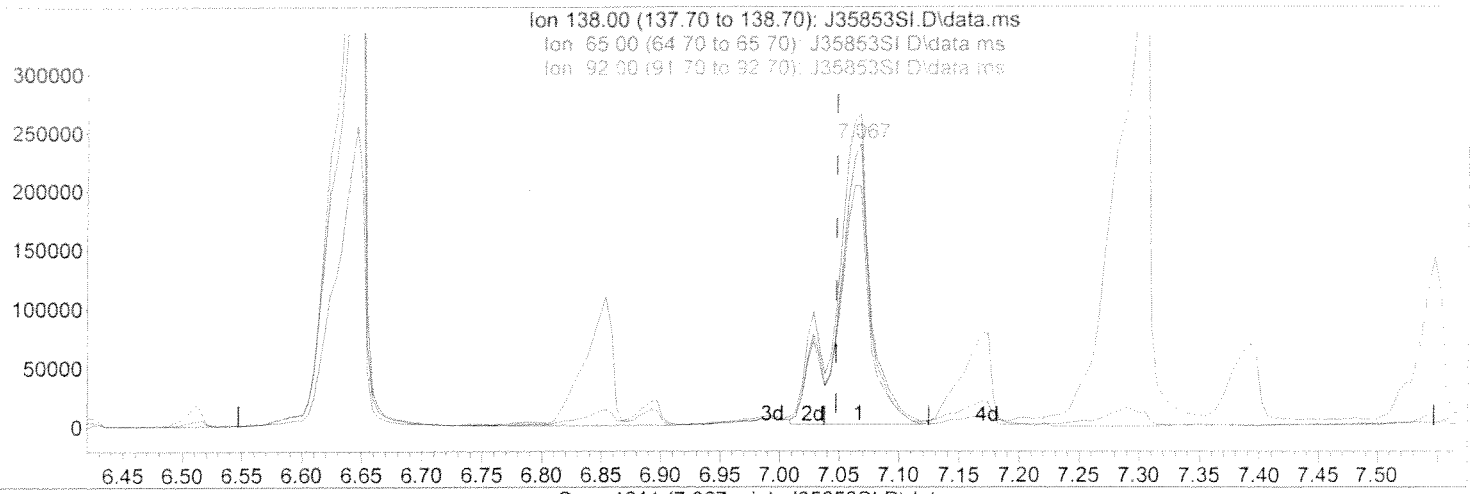
Ion	Exp%	Act%
138.00	100	100
65.00	119.80	111.86
92.00	90.50	86.78
0.00	0.00	0.00

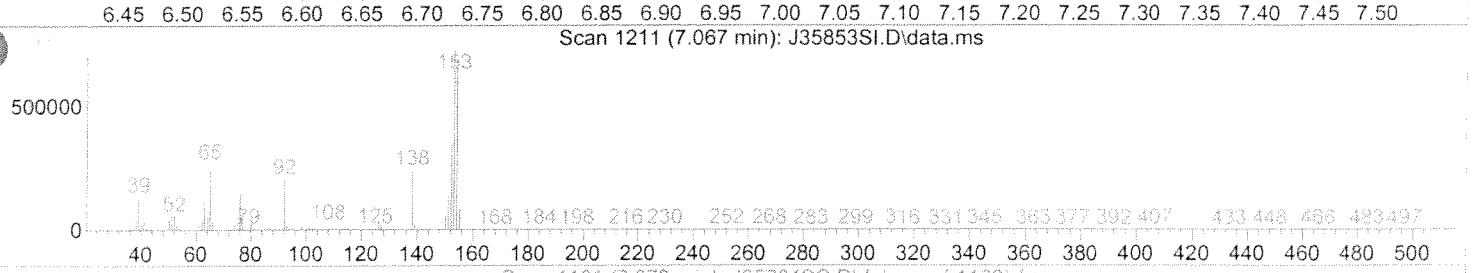
092710

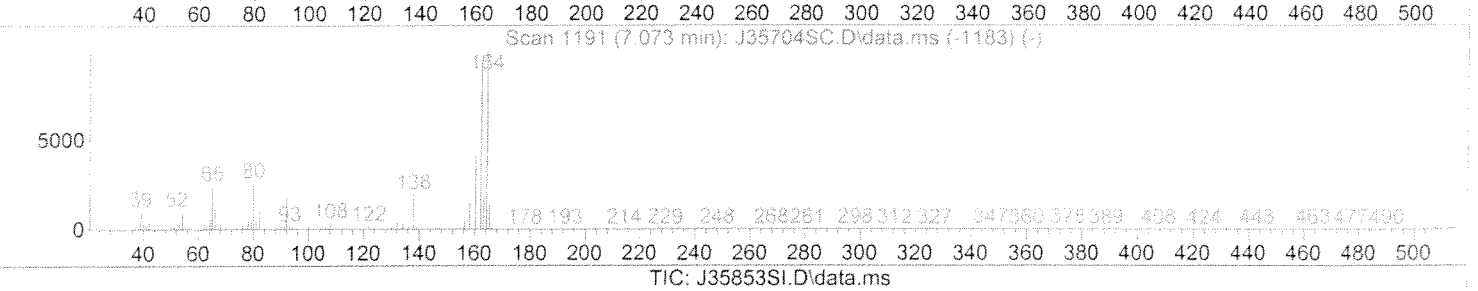
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/23/10







TIC: J35853SI.D\data.ms

(45) 3-Nitroaniline (TM)

7.067min (+0.019) 87.17ug/ml m

response 453267

Ion	Exp%	Act%
138.00	100	100
65.00	119.80	95.07#
92.00	90.50	73.76
0.00	0.00	0.00

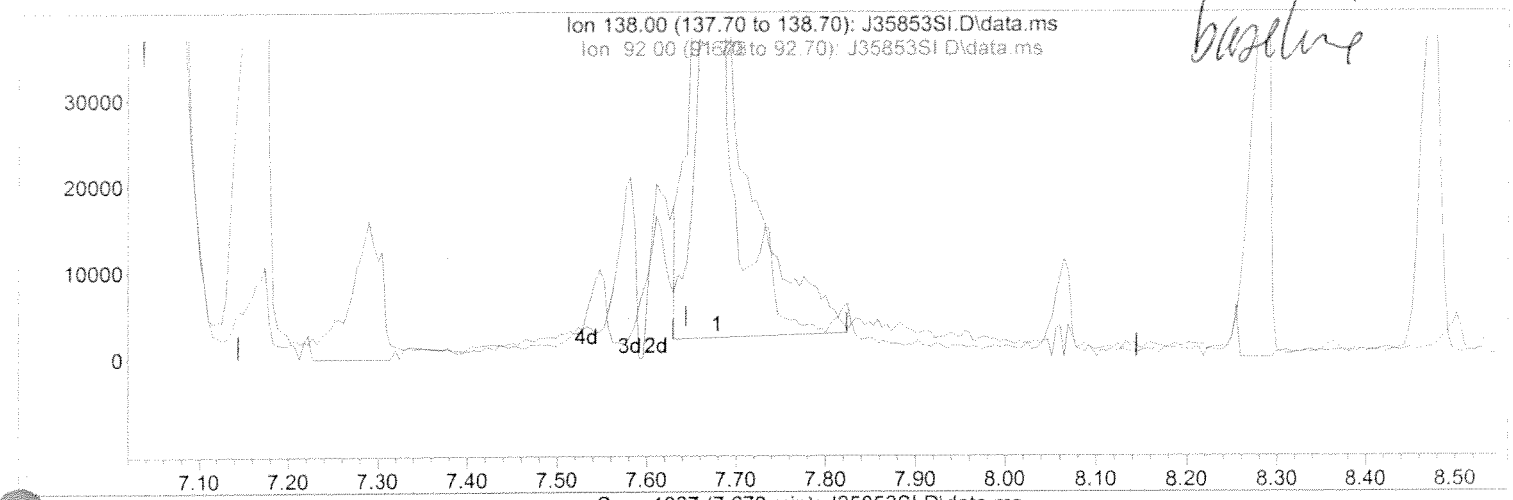
34270

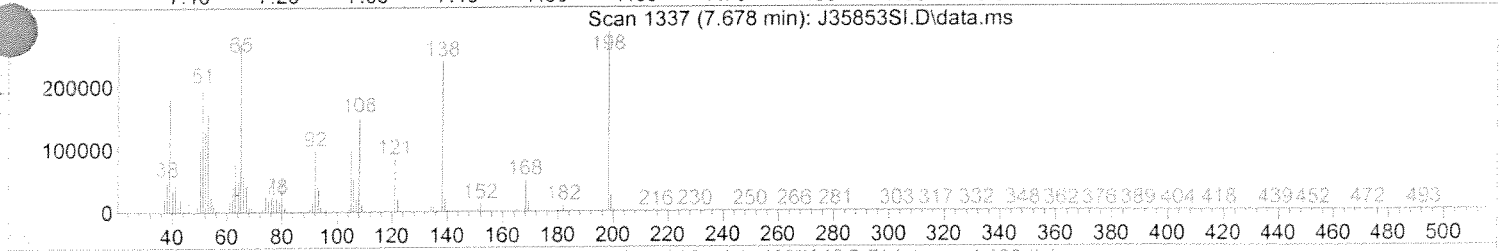
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

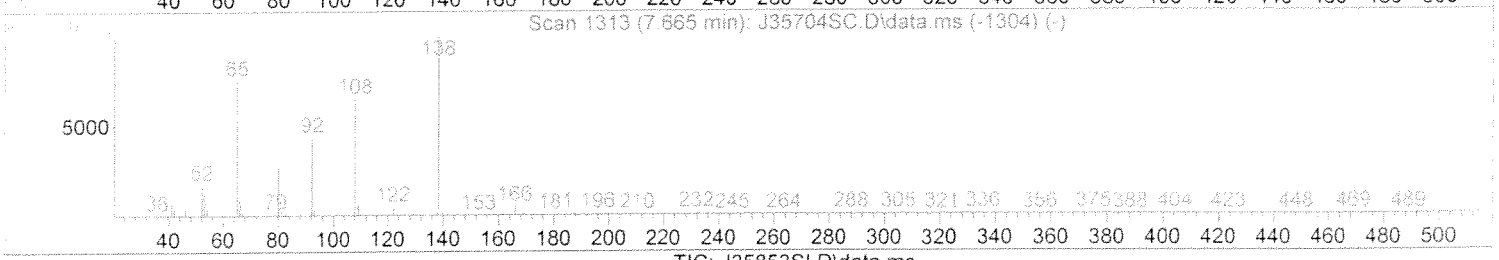
Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

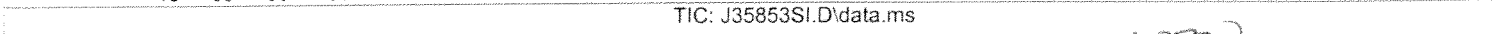
MW 9/23/10

baseline









342TW

(55) 4-Nitroaniline (TM)

7.678min (+0.034) 83.89ug/ml

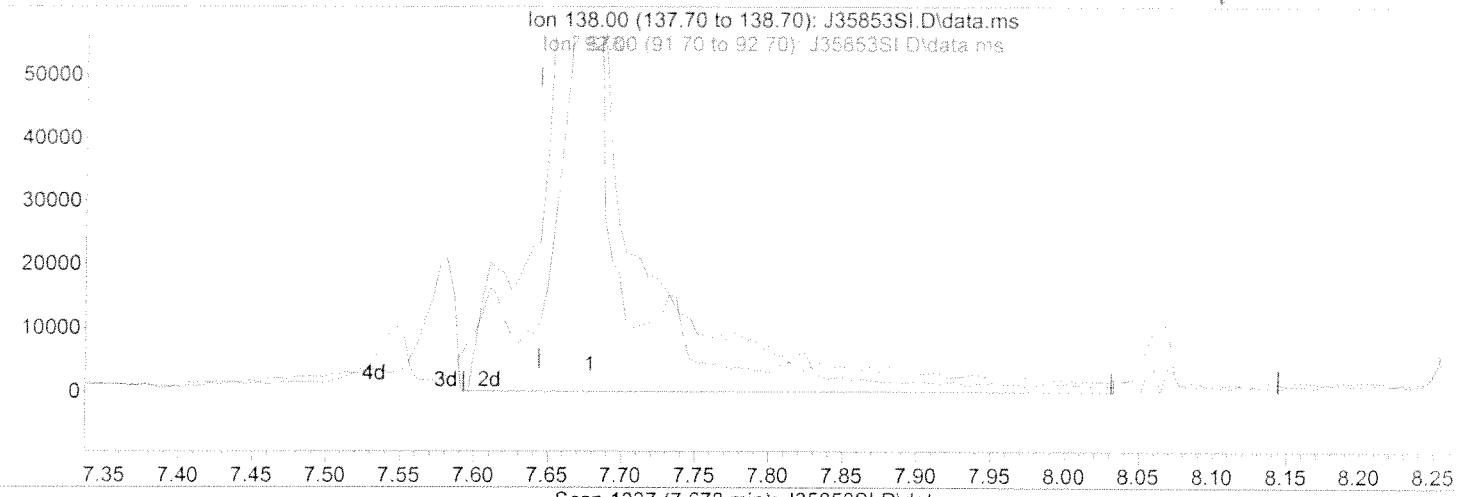
response 435056

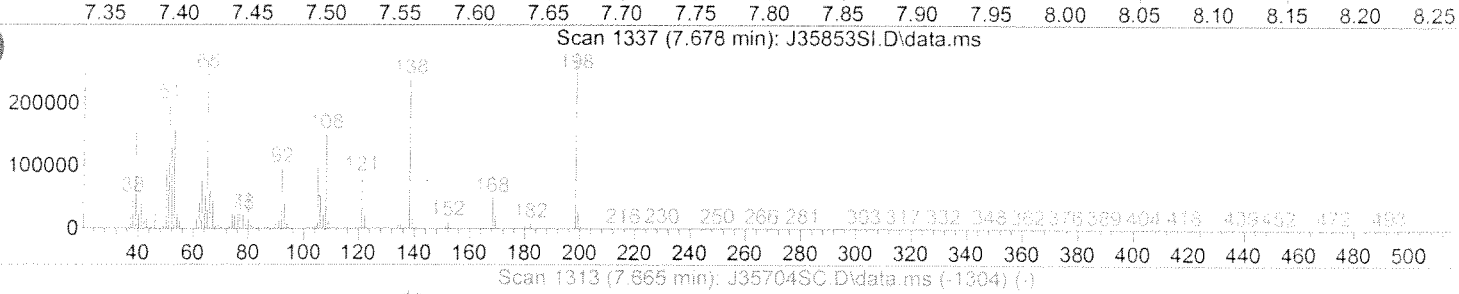
Ion	Exp%	Act%
138.00	100	100
92.00	22.90	30.19#
0.00	0.00	0.00
0.00	0.00	0.00

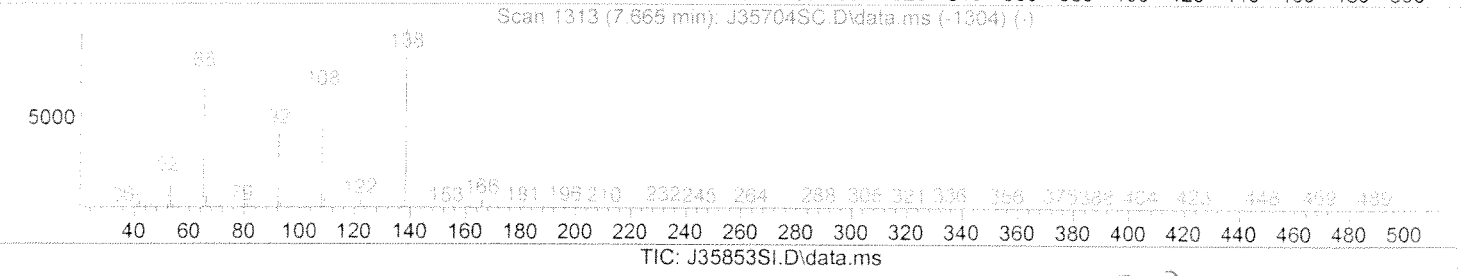
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/23/10







TIC: J35853SI.D\data.ms

J42DW

(55) 4-Nitroaniline (TM)

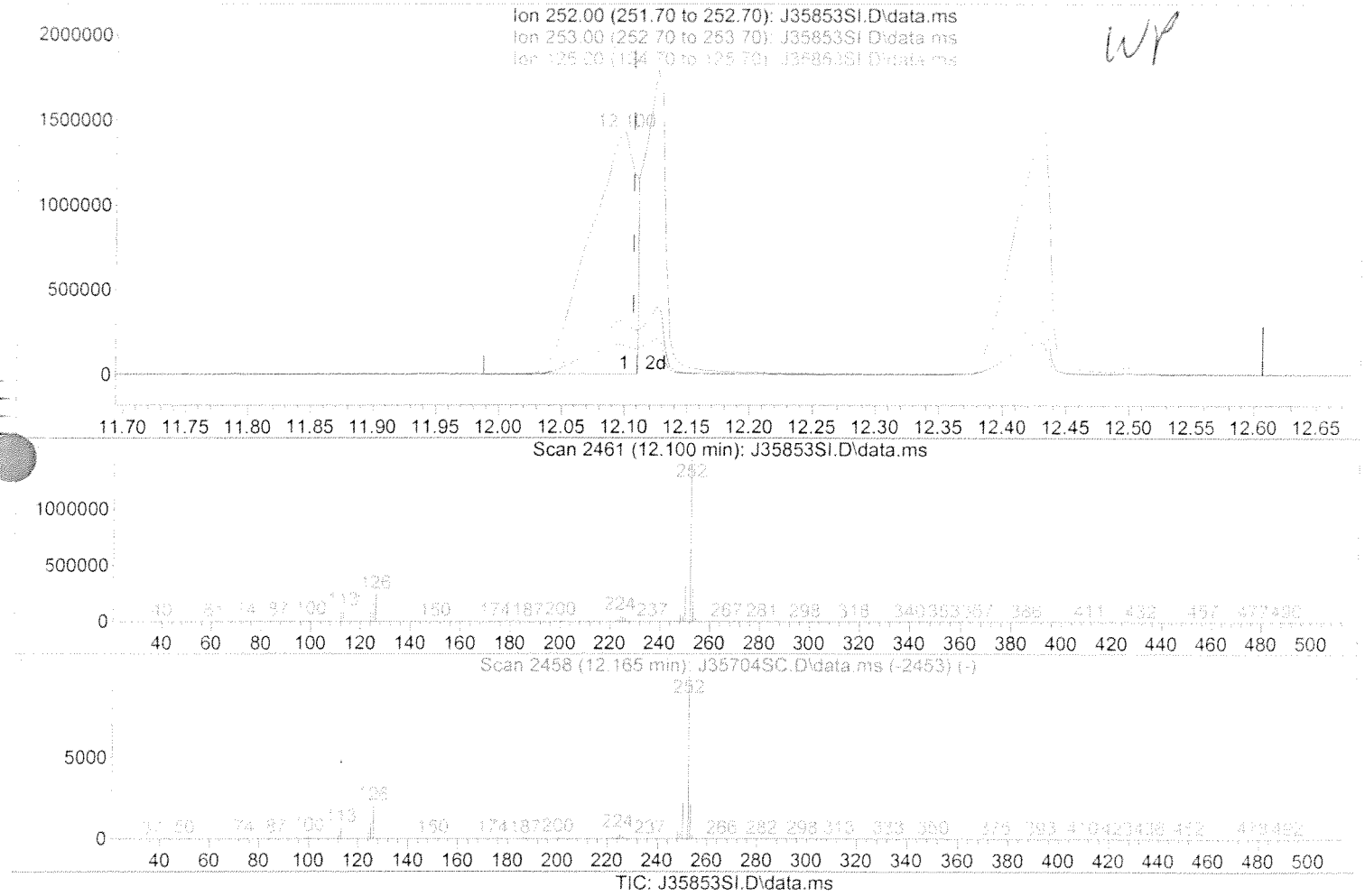
7.678min (+0.034) 100.44ug/ml m

response 527130

Ion	Exp%	Act%
138.00	100	100
92.00	22.90	24.92
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration



(82) Benzo[k] fluoranthene (TM)

12.100min (-0.007) -40.00ug/ml

response 3734051

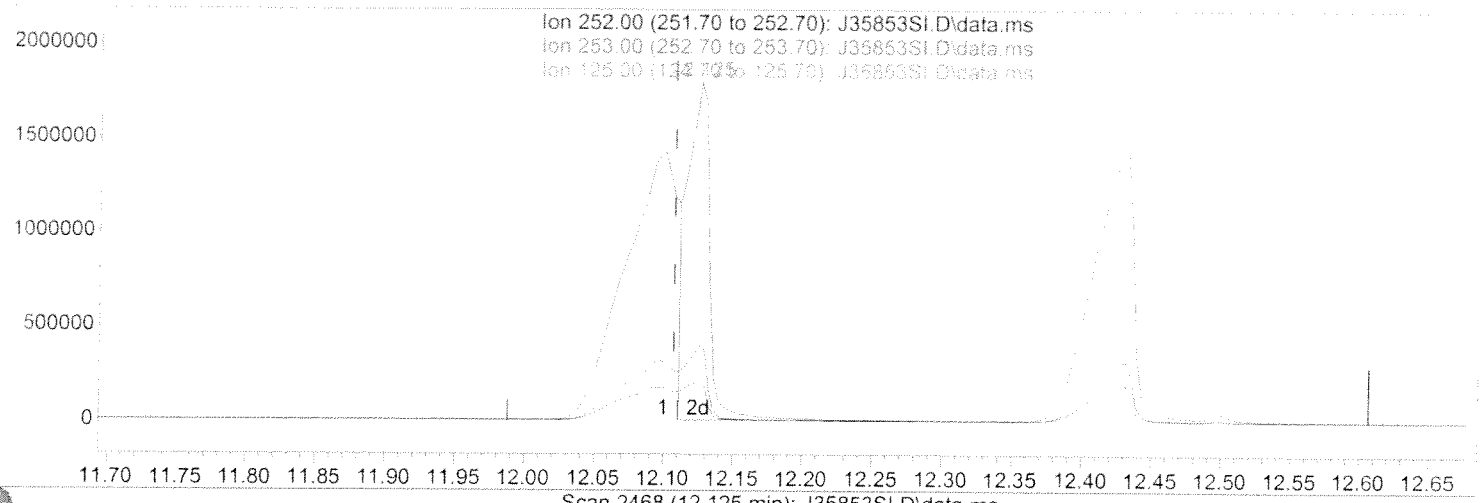
Ion	Exp%	Act%
252.00	100	100
253.00	21.50	21.95
125.00	11.90	12.16
0.00	0.00	0.00

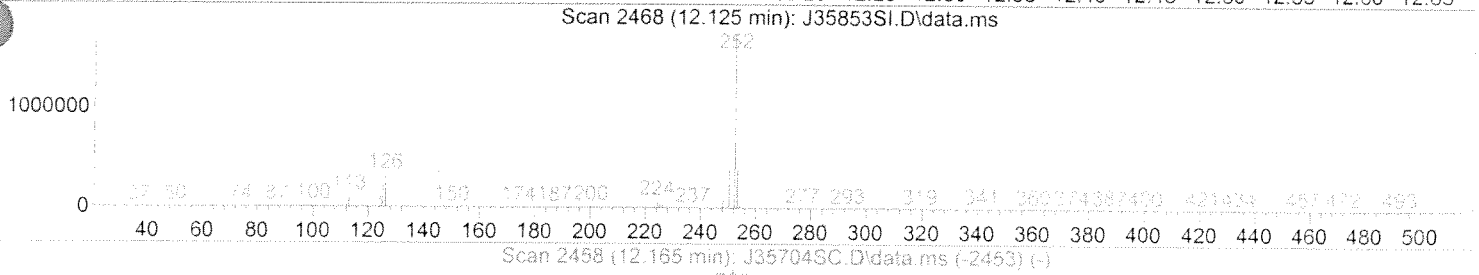
Quantitation Report (Qedit)

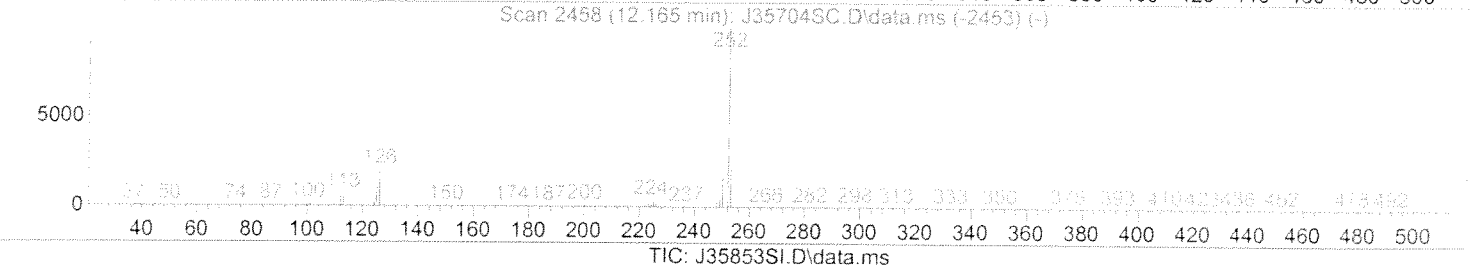
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MV 9/23/10







(82) Benzo[k] fluoranthene (TM)

12.125min (+0.018) 81.42ug/ml m

response 2002183

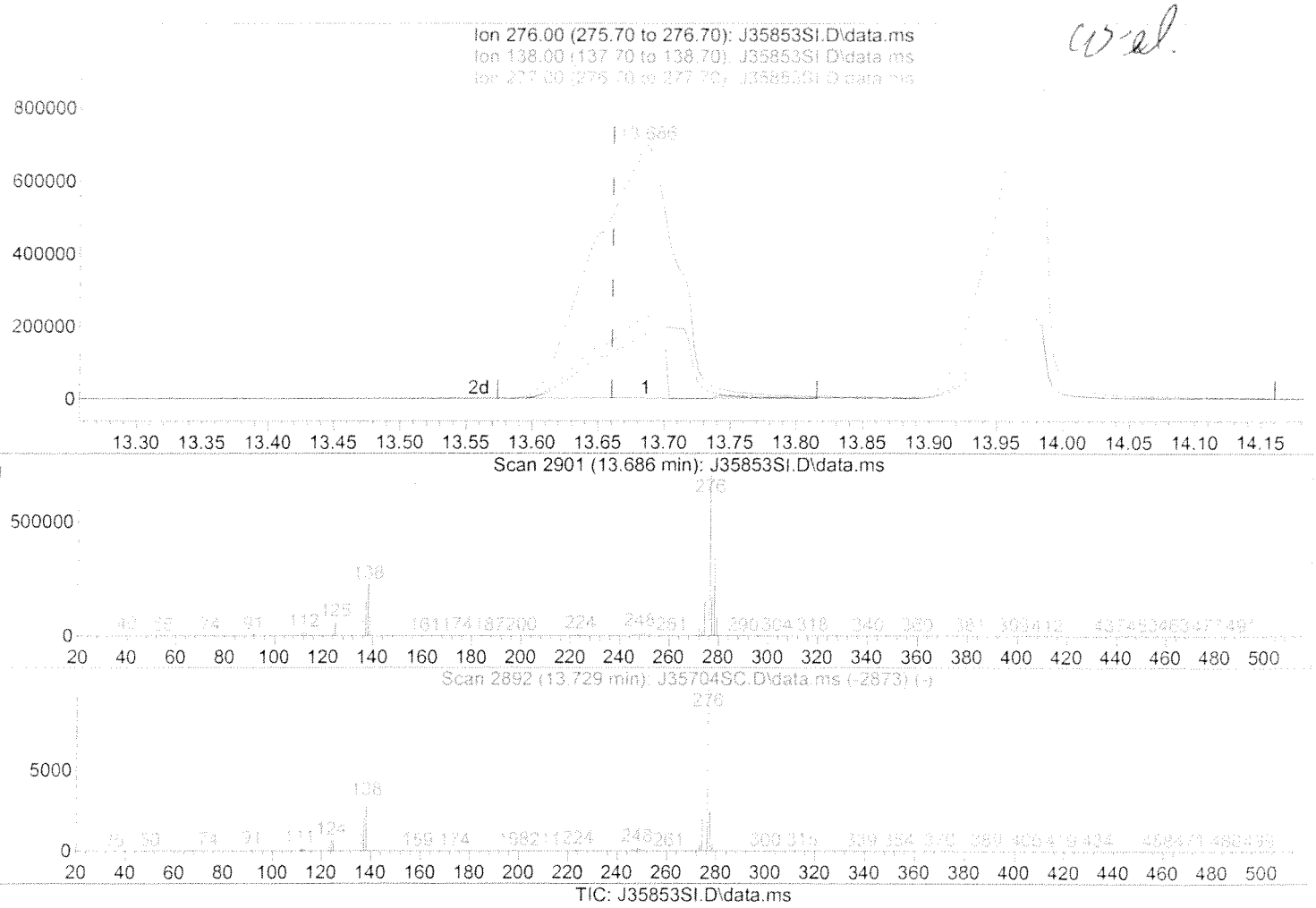
Ion	Exp%	Act%
252.00	100	100
253.00	21.50	40.93#
125.00	11.90	22.67#
0.00	0.00	0.00

36270

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MV 9/23/10 w-el.



(84) Indeno [1,2,3-cd] pyrene (TM)

13.686min (+0.025) 117.35ug/ml

response 2972097

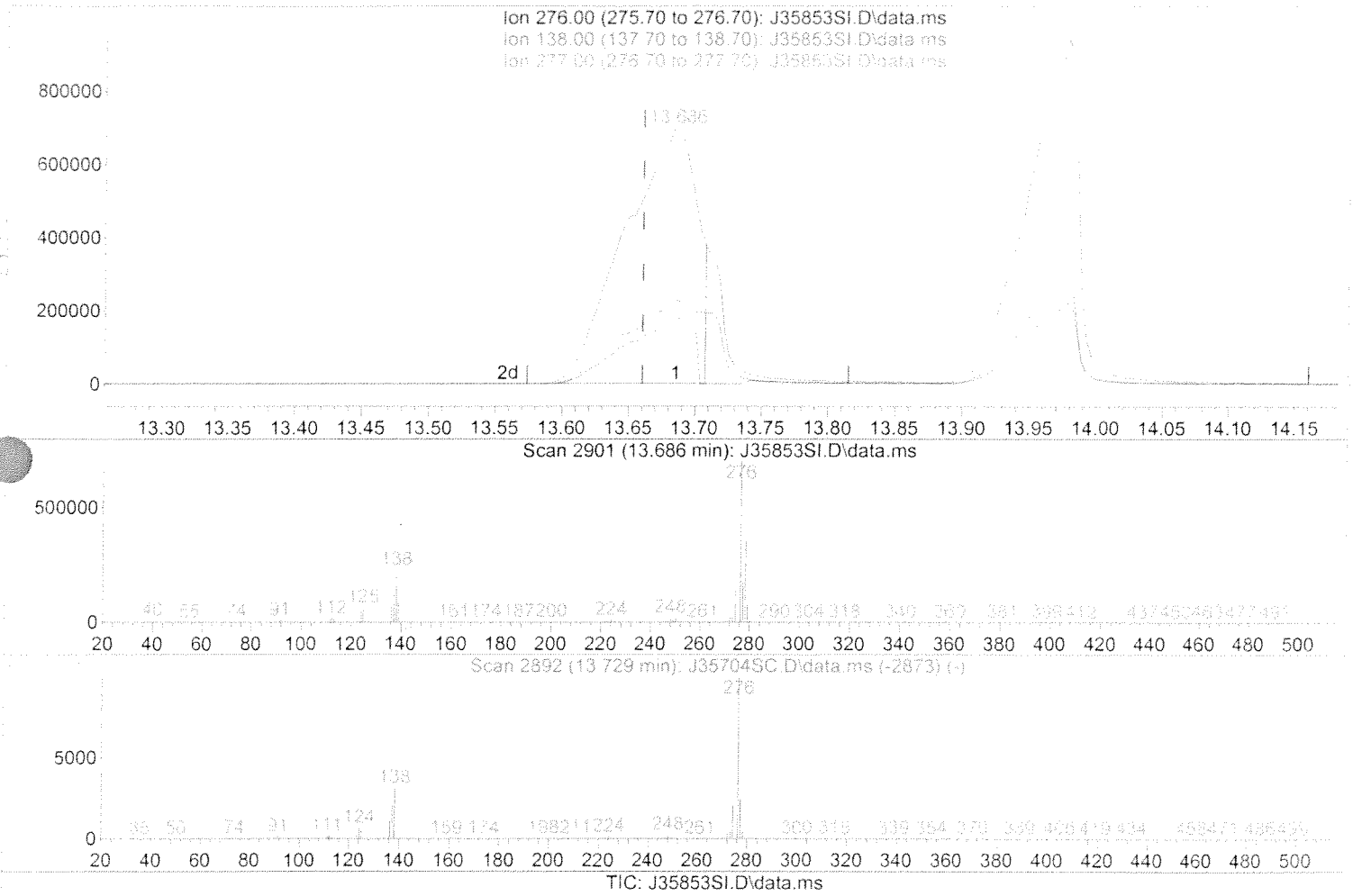
Ion	Exp%	Act%
276.00	100	100
138.00	42.30	35.95
277.00	23.20	20.88
0.00	0.00	0.00

9/23/10

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/23/10



(84) Indeno [1,2,3-cd] pyrene (TM)

13.686min (+0.025) 103.19ug/ml m

response 2634081

Ion	Exp%	Act%
276.00	100	100
138.00	42.30	40.56
277.00	23.20	23.56
0.00	0.00	0.00

34 27w

ABN FULL LIST
ICV

Data File Name J35854.D
Date Acquired 9/18/2010 3:28
Sample Name S10120 20/40 ICV

PN 9/23/10

Name	ug/mL Amount	ug/mL Expected	% Recovery	80-120%
Pyridine	20.32	20	102%	OK
N-nitrosodimethylamine	20.20	20	101%	OK
2-Fluorophenol	42.78	40	107%	OK
d5-Phenol	42.43	40	106%	OK
Aniline	18.60	20	93%	OK
Phenol	41.63	40	104%	OK
2-Chlorophenol	41.51	40	104%	OK
bis(2-chloroethyl) ether	18.08	20	90%	OK
1,3-Dichlorobenzene	20.79	20	104%	OK
1,4-Dichlorobenzene	20.56	20	103%	OK
1,2-Dichlorobenzene	19.99	20	100%	OK
Benzyl Alcohol	21.27	20	106%	OK
2-Methylphenol	40.96	40	102%	OK
bis(2-chloroisopropyl)ether	21.56	20	108%	OK
3+4-Methylphenol	42.65	40	107%	OK
Hexachloroethane	23.85	20	119%	OK
N-nitroso-di-n-propylamine	22.63	20	113%	OK
d5-nitrobenzene	40.61	40	102%	OK
Nitrobenzene	19.84	20	99%	OK
Isophorone	19.48	20	97%	OK
2-Nitrophenol	43.61	40	109%	OK
2,4-Dimethylphenol	41.37	40	103%	OK
Bis(2-chloroethoxy)methane	19.27	20	96%	OK
2,4-Dichlorophenol	41.38	40	103%	OK
Benzoic Acid	40.36	40	101%	OK
1,2,4-Trichlorobenzene	19.99	20	100%	OK
Naphthalene	20.11	20	101%	OK
2,6-Dichlorophenol	43.32	40	108%	OK
4-Chloroaniline	19.29	20	96%	OK
Hexachlorobutadiene	20.61	20	103%	OK
4-Chloro-3-methylphenol	40.37	40	101%	OK
2-Methylnaphthalene	19.08	20	95%	OK
Hexachlorocyclopentadiene	22.73	20	114%	OK
2,4,6-Trichlorophenol	45.36	40	113%	OK
2,4,5-Trichlorophenol	43.08	40	108%	OK
2-Fluorobiphenyl	42.47	40	106%	OK
2-Chloronaphthalene	20.68	20	103%	OK
2-Nitroaniline	20.60	20	103%	OK
2,6-Dinitrotoluene	21.40	20	107%	OK
Dimethyl Phthalate	20.69	20	103%	OK
Acenaphthylene	21.82	20	109%	OK
3-Nitroaniline	19.22	20	96%	OK
Acenaphthene	20.48	20	102%	OK

SRZW

9/18/2010 5:10 AM

2,4-dinitrophenol	39.06	40	98%	OK	
Dibenzofuran	20.20	20	101%	OK	
4-Nitrophenol	46.25	40	116%	OK	
2,4-Dinitrotoluene	22.11	20	111%	OK	
2,3,4,6-Tetrachlorophenol	45.90	40	115%	OK	
Fluorene	20.70	20	104%	OK	
Diethyl Phthalate	20.64	20	103%	OK	
4-Chlorophenyl phenyl ether	20.58	20	103%	OK	
4-Nitroaniline	16.73	20	84%	OK	
4,6-Dinitro-2-methylphenol	42.49	40	106%	OK	
n-nitrosodiphenylamine	21.29	20	106%	OK	
Azobenzene	19.41	20	97%	OK	
Biphenyl	21.71	20	109%	OK	
2,4,6-Tribromophenol	43.92	40	110%	OK	
4-bromophenyl phenyl ether	20.87	20	104%	OK	
Hexachlorobenzene	19.63	20	98%	OK	
Pentachlorophenol	43.39	40	108%	OK	
Phenanthrene	19.30	20	96%	OK	
Anthracene	19.38	20	97%	OK	
Carbazole	20.58	20	103%	OK	
Di-n-butyl phthalate	20.41	20	102%	OK	
Fluoranthene	19.79	20	99%	OK	
Benzidine	24.20	20	121%	*	ESTIMATED
Pyrene	20.17	20	101%	OK	
d14-p-terphenyl	39.96	40	100%	OK	
Butyl benzyl phthalate	20.91	20	105%	OK	
Benzo[a]anthracene	21.01	20	105%	OK	
Chrysene	20.37	20	102%	OK	
3,3'-Dichlorobenzidine	21.77	20	109%	OK	
Bis (2-ethylhexyl) phthalate	20.92	20	105%	OK	
di-n-octyl-phthalate	21.26	20	106%	OK	
Benzo[b] fluoranthene	19.78	20	99%	OK	
Benzo[k] fluoranthene	21.76	20	109%	OK	
Benzo[a] pyrene	20.75	20	104%	OK	
Indeno [1,2,3-cd] pyrene	20.48	20	102%	OK	
Dibenz [a,h] anthracene	20.05	20	100%	OK	
Benzo(g,h,i) perylene	19.71	20	99%	OK	

9/23/10

392710

Method Path : C:\msdchem\1\METHODS\
Method File : ADDXTRA091710.M
Title : ABN ADDS
Last Update : Mon Sep 20 22:06:39 2010
Response Via : Initial Calibration

MV 9/23/10

Calibration Files
2 =J35847SI.D 4 =J35848SI.D 10 =J35849SI.D 20 =J35850SI.D 40 =J35851SI.D 50 =J35852SI.D
100 =J35853SI.D

		Compound	2	4	10	20	40	50	100	Avg	%RSD
1)	I	d4-1,4-dichloroben...	----------ISTD----------								
2)	TM	BENZALDEHYDE	0.767	0.780	0.800	0.790	0.744	0.663		0.758	6.61
3)	TM	n-Decane	1.903	1.949	1.907	1.819	1.761	1.705	1.528	1.796	8.17
4)	S	2-Fluorophenol	1.152	1.175	1.196	1.200	1.192	1.180	1.100	1.171	3.00
5)	S	d5-Phenol	1.427	1.446	1.444	1.410	1.333	1.300	1.199	1.366	6.80
6)	TM	Acetophenone	1.645	1.596	1.619	1.650	1.614	1.575	1.547	1.607	2.31
7)	TM	no compound								0.000#	-1.00
8)	TM	no compound								0.000#	-1.00
9)	TM	no compound								0.000#	-1.00
0)		no compound								0.000#	-1.00
1)		no compound								0.000#	-1.00
2)		no compound								0.000#	-1.00
3)		no compound								0.000#	-1.00
4)		no compound								0.000#	-1.00
5)		no compound								0.000#	-1.00
6)		no compound								0.000#	-1.00
7)		no compound								0.000#	-1.00
8)		no compound								0.000#	-1.00
9)	I	d8-Naphthalene	----------ISTD----------								
0)	S	d5-nitrobenzene	0.380	0.377	0.367	0.344	0.327	0.321	0.297	0.345	9.11
1)	TM	alpha-terpineol	0.172	0.163	0.163	0.156	0.154	0.152	0.126	0.155	9.33
2)	TM	2,3-dichloroan...	0.438	0.462	0.460	0.445	0.414	0.411	0.353	0.426	8.94
3)	TM	no compound								0.000#	-1.00
4)	TM	CAPROLACTAM	0.275	0.287	0.278	0.296	0.281	0.266	0.227	0.273	8.16
5)	TM	1,2,4,5-TETRAC...	0.447	0.453	0.442	0.417	0.377	0.371	0.317	0.404	12.49
6)		no compound								0.000#	-1.00
7)		no compound								0.000#	-1.00
8)		no compound								0.000#	-1.00
9)		no compound								0.000#	-1.00
0)		no compound								0.000#	-1.00

J42710

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 05:09:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.024	152	436183	40.00 ug/ml	0.00
19) d8-Naphthalene	5.315	136	1317136	40.00 ug/ml	0.00
35) d10-Acenaphthene	7.033	164	717152	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.461	188	1285330	40.00 ug/ml	0.00
71) d12-Chrysene	11.007	240	1258254	40.00 ug/ml	0.00
79) d12-Perylene	12.468	264	1157553	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	2.686	112	545660	42.78 ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 57.04%		
5) d5-Phenol	3.710	99	631725	42.43 ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 56.57%		
20) d5-nitrobenzene	4.604	82	461639	40.61 ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 81.22%		
39) 2-Fluorobiphenyl	6.404	172	959057	42.47 ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 84.94%		
60) 2,4,6-Tribromophenol	7.800	330	169461	43.92 ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 58.56%		
73) d14-p-terphenyl	10.023	244	914927	39.96 ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 79.92%		

Target Compounds					Qvalue
2) Pyridine	1.536	79	288552	20.32 ug/ml	91
3) N-nitrosodimethylamine	1.512	74	156013	20.20 ug/ml	87
6) Aniline	3.696	93	374038	18.60 ug/ml#	84
7) Phenol	3.729	94	635691	41.63 ug/ml#	82
8) 2-Chlorophenol	3.818	128	555860	41.51 ug/ml	100
9) bis(2-chloroethyl) ether	3.790	63	232853	18.08 ug/ml#	86
10) 1,3-Dichlorobenzene	3.958	146	358755	20.79 ug/ml	99
11) 1,4-Dichlorobenzene	4.043	146	339360	20.56 ug/ml	98
12) 1,2-Dichlorobenzene	4.188	146	333700	19.99 ug/ml	99
13) Benzyl Alcohol	4.202	108	154687	21.27 ug/ml	99
14) 2-Methylphenol	4.342	108	445817	40.96 ug/ml	98
15) bis(2-chloroisopropyl)...	4.347	45	547119	21.56 ug/ml	98
16) 3+4-Methylphenol	4.515	108	455634	42.65 ug/ml	96
17) Hexachloroethane	4.529	117	118448	23.85 ug/ml	98
18) N-nitroso-di-n-propyla...	4.487	70	166285	22.63 ug/ml#	78
21) Nitrobenzene	4.622	123	125894	19.84 ug/ml	87
22) Isophorone	4.884	82	411707	19.48 ug/ml	97
23) 2-Nitrophenol	4.945	139	327958	43.61 ug/ml	99
24) 2,4-Dimethylphenol	5.039	107	507065	41.37 ug/ml	99
25) Bis(2-chloroethoxy)met...	5.128	93	276576	19.27 ug/ml	98
26) 2,4-Dichlorophenol	5.202	162	468237	41.38 ug/ml	96

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 05:09:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.245	105	278075	40.36 ug/ml#	8
28) 1,2,4-Trichlorobenzene	5.263	180	273991	19.99 ug/ml	99
29) Naphthalene	5.333	128	702728	20.11 ug/ml	100
30) 2,6-Dichlorophenol	5.422	162	438720	43.32 ug/ml	95
31) 4-Chloroaniline	5.418	127	288161	19.29 ug/ml	94
32) Hexachlorobutadiene	5.474	225	164386	20.61 ug/ml	100
33) 4-Chloro-3-methylphenol	5.947	107	400303	40.37 ug/ml	98
34) 2-Methylnaphthalene	6.023	141	399610	19.08 ug/ml	100
36) Hexachlorocyclopentadiene	6.184	237	166893	22.73 ug/ml	99
37) 2,4,6-Trichlorophenol	6.323	196	342262	45.36 ug/ml	99
38) 2,4,5-Trichlorophenol	6.363	196	371494	43.08 ug/ml	99
40) 2-Chloronaphthalene	6.493	162	424748	20.68 ug/ml	99
41) 2-Nitroaniline	6.619	138	193374	20.60 ug/ml	97
42) 2,6-Dinitrotoluene	6.868	165	128347	21.40 ug/ml	99
43) Dimethyl Phthalate	6.819	163	562849	20.69 ug/ml	99
44) Acenaphthylene	6.887	152	738187	21.82 ug/ml	100
45) 3-Nitroaniline	7.028	138	101721	19.22 ug/ml	99
46) Acenaphthene	7.062	153	435831	20.48 ug/ml	100
47) 2,4-dinitrophenol	7.135	184	136945	39.06 ug/ml	99
48) Dibenzofuran	7.232	168	699175	20.20 ug/ml#	54
49) 4-Nitrophenol	7.246	109	131095	46.25 ug/ml	91
50) 2,4-Dinitrotoluene	7.256	165	168953	22.11 ug/ml	98
51) 2,3,4,6-Tetrachlorophenol	7.373	232	318058	45.90 ug/ml	99
52) Fluorene	7.562	166	527588	20.70 ug/ml	99
53) Diethyl Phthalate	7.508	149	530408	20.64 ug/ml	100
54) 4-Chlorophenyl phenyl ...	7.581	204	265565	20.58 ug/ml#	93
55) 4-Nitroaniline	7.620	138	92124m	16.73 ug/ml	
56) 4,6-Dinitro-2-methylph...	7.649	198	217156	42.49 ug/ml	100
57) n-nitrosodiphenylamine	7.707	169	393075	21.29 ug/ml	99
58) Azobenzene	7.736	77	427919	19.41 ug/ml	90
59) Biphenyl	6.493	154	533521	21.71 ug/ml	99
62) 4-bromophenyl phenyl e...	8.051	248	177506	20.87 ug/ml	97
63) Hexachlorobenzene	8.087	284	178712	19.63 ug/ml	96
64) Pentachlorophenol	8.294	266	234145	43.39 ug/ml	99
65) Phenanthrene	8.483	178	719942	19.30 ug/ml	99
66) Anthracene	8.528	178	743104	19.38 ug/ml	100
67) Carbazole	8.704	167	453278	20.58 ug/ml	99
68) Di-n-butyl phthalate	9.091	149	925594	20.41 ug/ml	100
69) Fluoranthene	9.619	202	821115	19.79 ug/ml	99
70) Benzidine	9.788	184	167119	24.20 ug/ml	100
72) Pyrene	9.832	202	845291	20.17 ug/ml	99
74) Butyl benzyl phthalate	10.523	149	417923	20.91 ug/ml	99
75) Benzo[a]anthracene	10.988	228	738242	21.01 ug/ml	100

D9270

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 05:09:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.026	228	715783	20.37 ug/ml	100
77) 3,3'-Dichlorobenzidine	10.996	252	200447	21.77 ug/ml	99
78) Bis (2-ethylhexyl) pht...	11.101	149	535681	20.92 ug/ml	99
80) di-n-octyl-phthalate	11.750	149	925890	21.26 ug/ml	97
81) Benzo[b] fluoranthene	12.060	252	692534	19.78 ug/ml	100
82) Benzo[k] fluoranthene	12.089	252	725188	21.76 ug/ml	99
83) Benzo[a] pyrene	12.396	252	697410	20.75 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	13.632	276	571422m	20.48 ug/ml	
85) Dibenz [a,h] anthracene	13.668	278	570973	20.05 ug/ml	98
86) Benzo(g,h,i) perylene	13.927	276	600597	19.71 ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

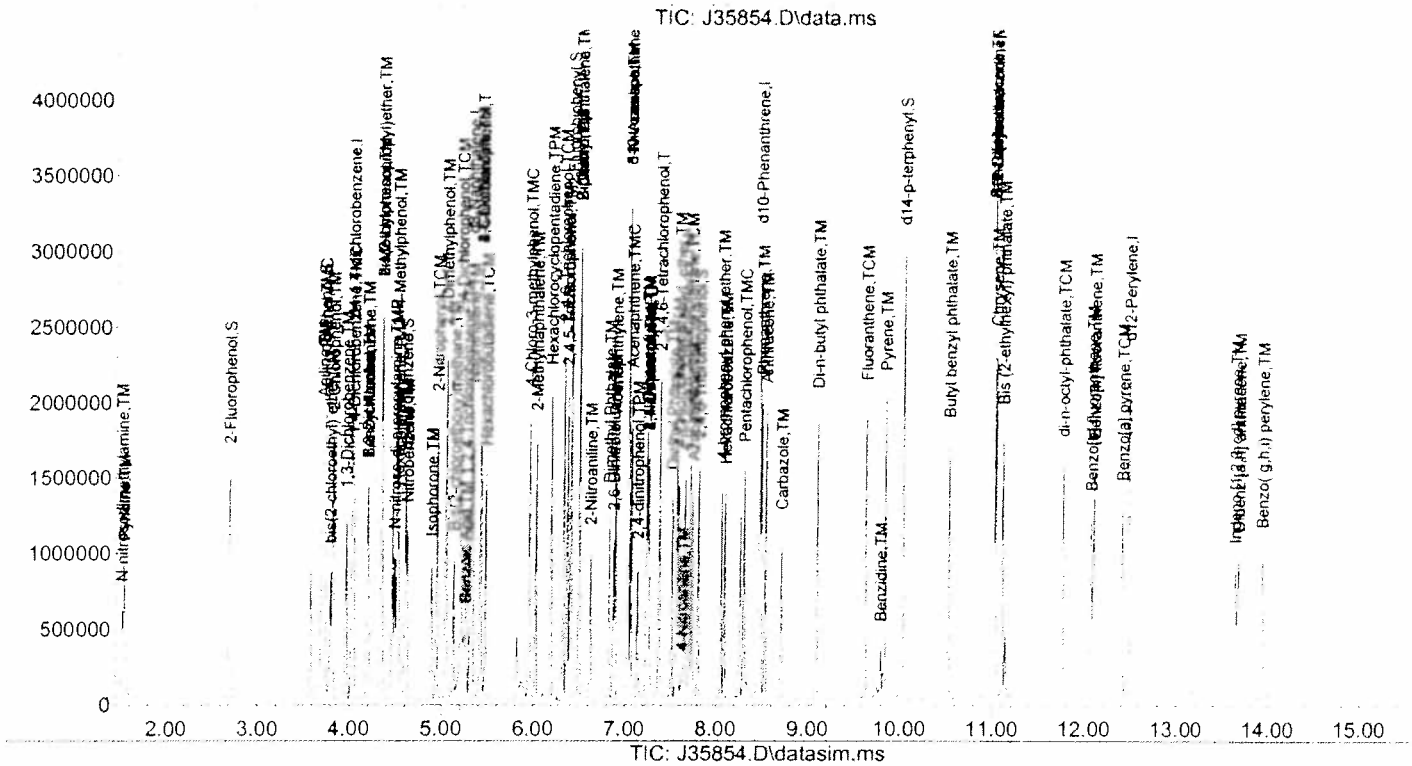
59270

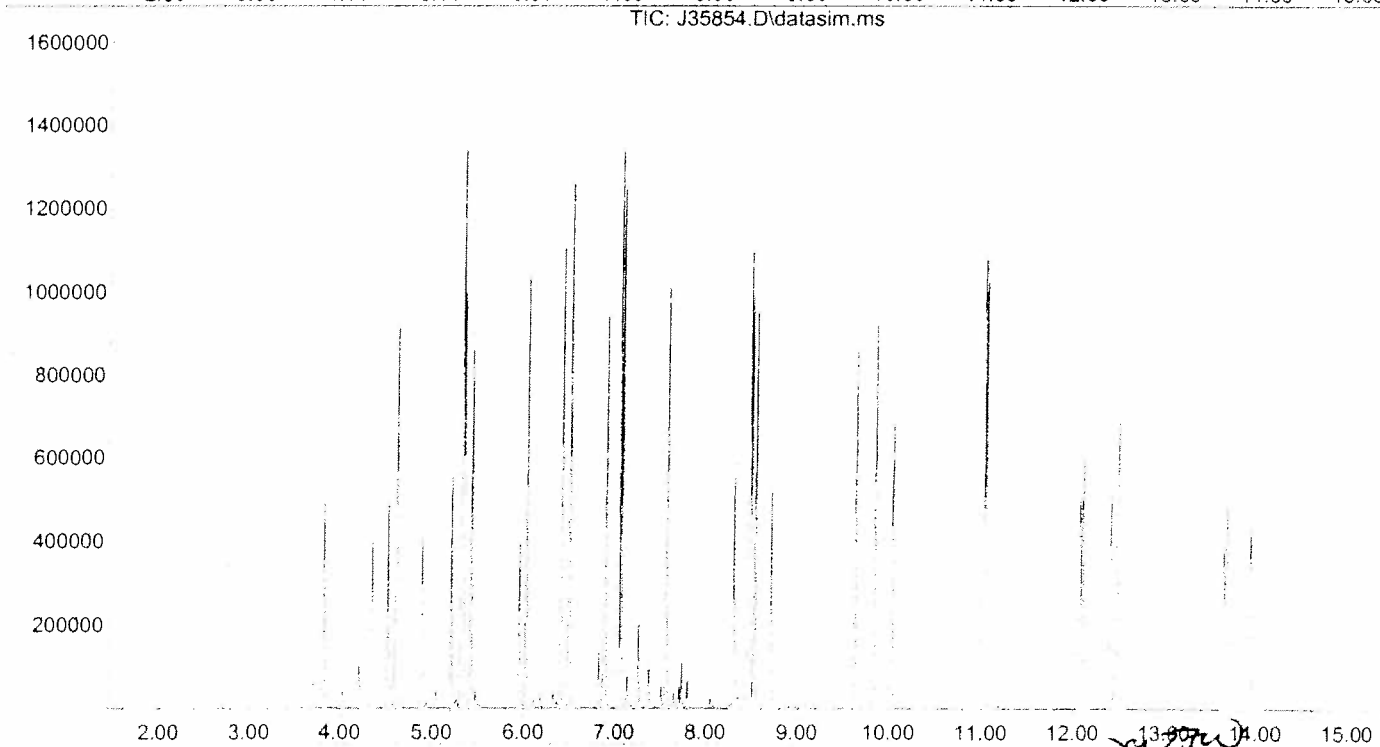
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 05:09:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

AR 9/27/10



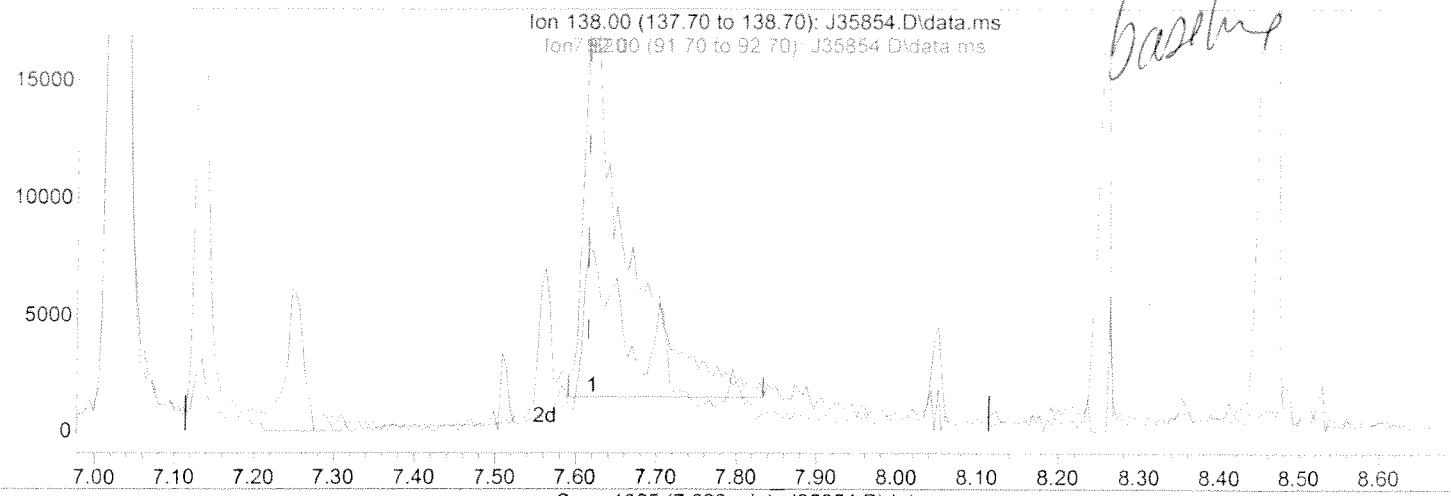


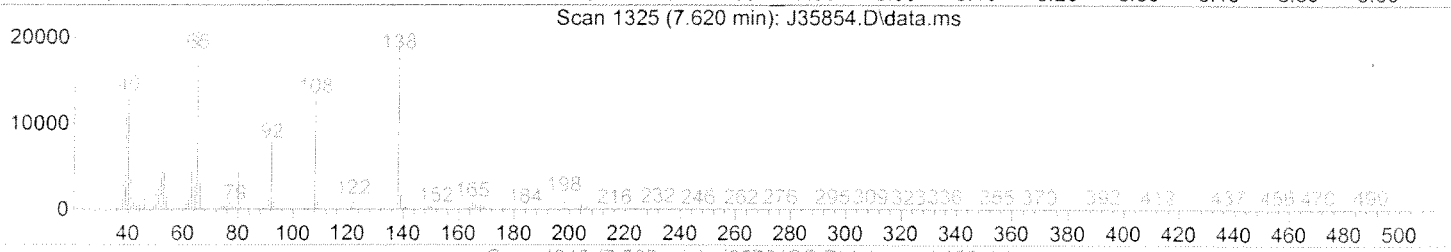
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

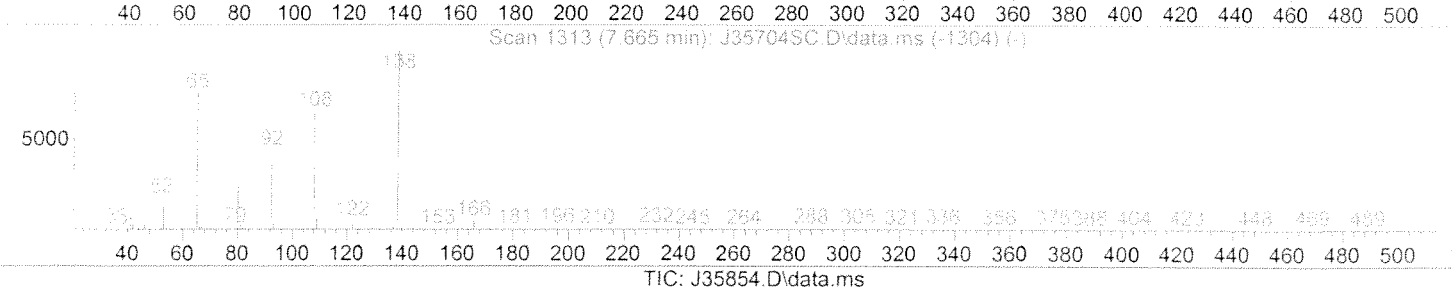
Quant Time: Sep 18 05:08:27 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

MN 9/23/10

baseline







(55) 4-Nitroaniline (TM)

7.620min (+0.005) 11.73ug/ml

response 61315

Ion	Exp%	Act%
138.00	100	100
92.00	22.90	18.02#
0.00	0.00	0.00
0.00	0.00	0.00

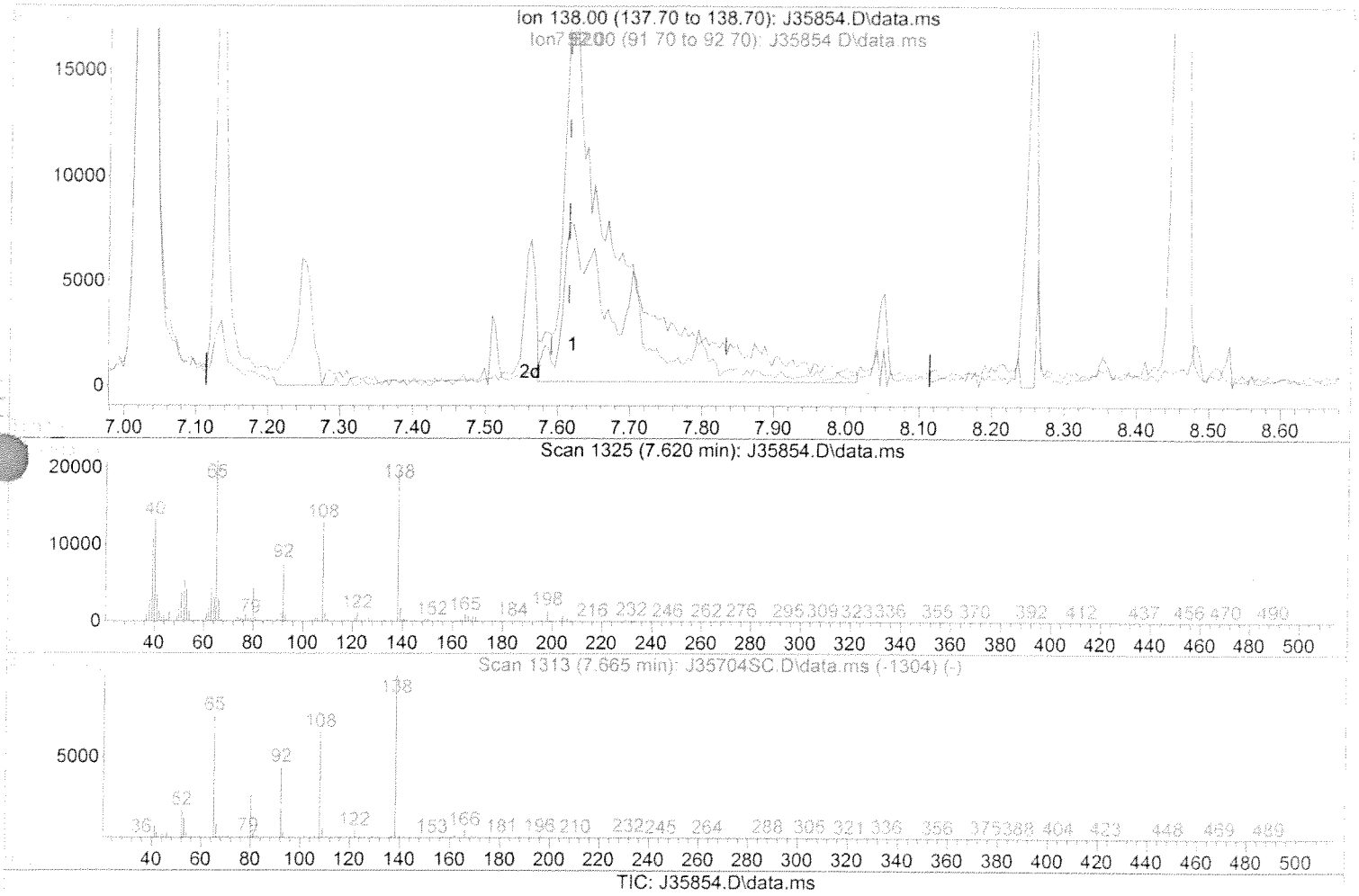
J9270

ABN091710.M Sat Sep 18 05:09:25 2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 05:08:27 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

AR
9/27/10



(55) 4-Nitroaniline (TM)

7.620min (+0.005) 16.73ug/ml m

response 92124

Ion	Exp%	Act%
138.00	100	100
92.00	22.90	11.99#
0.00	0.00	0.00
0.00	0.00	0.00

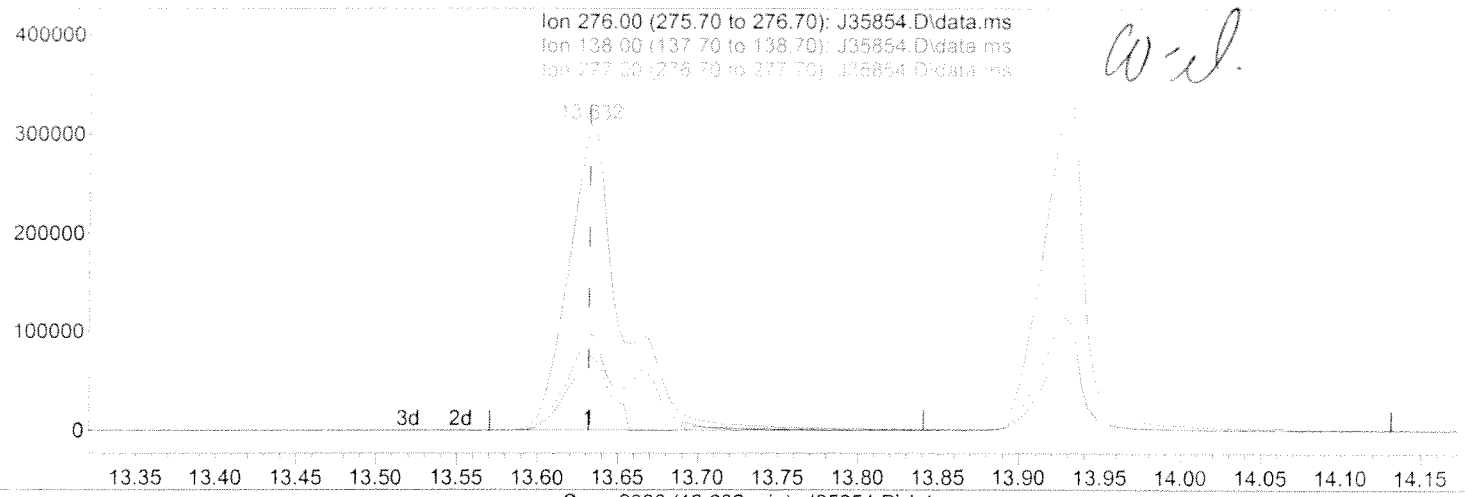
392700

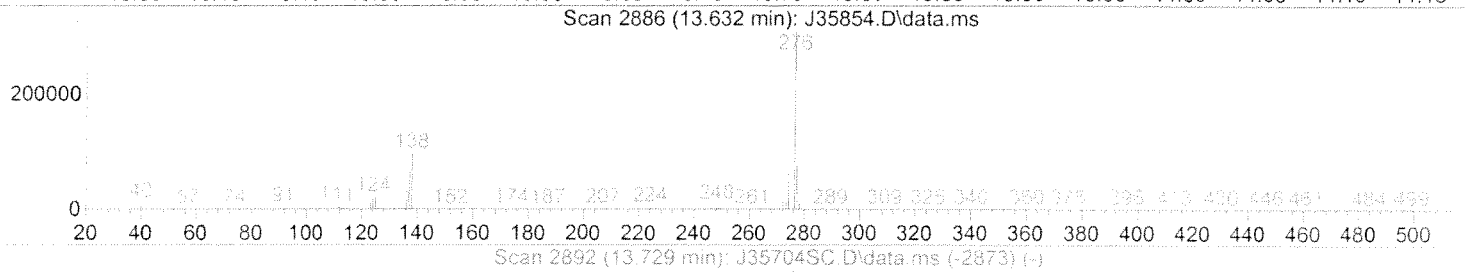
ABN091710.M Sat Sep 18 05:09:38 2010

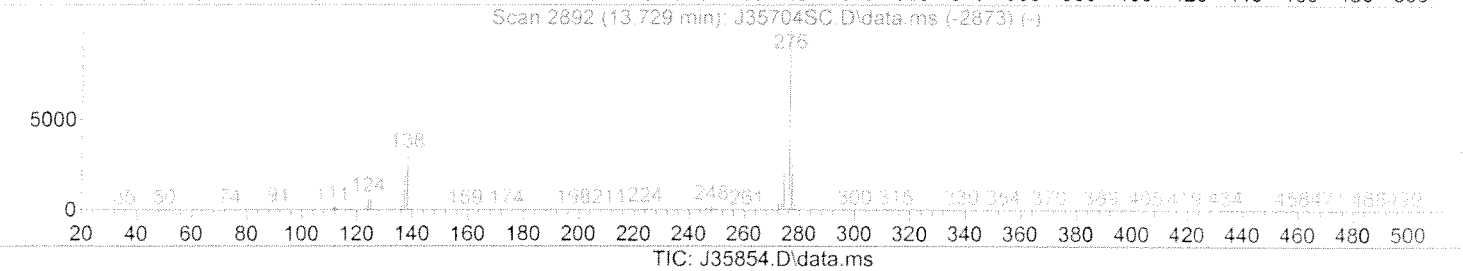
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 05:07:39 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

MV 9/23/10







(84) Indeno [1,2,3-cd] pyrene (TM)

13.632min (+0.000) 25.85ug/ml

response 721344

Ion	Exp%	Act%
276.00	100	100
138.00	42.30	23.20#
277.00	23.20	18.85
0.00	0.00	0.00

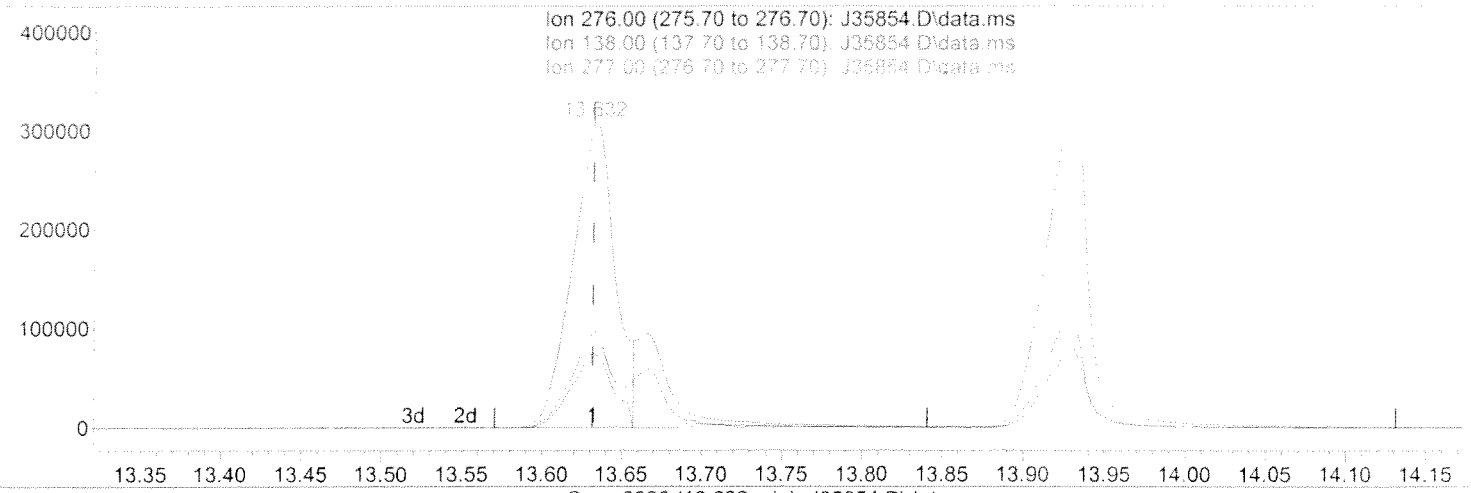
J42700

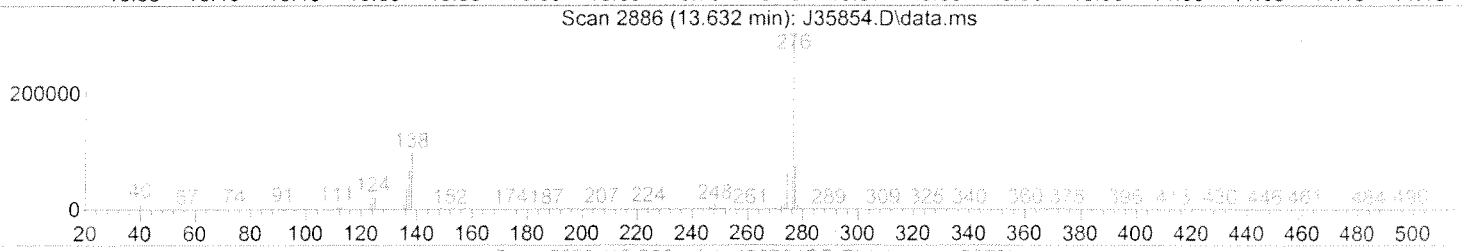
ABN091710.M Sat Sep 18 05:08:11 2010

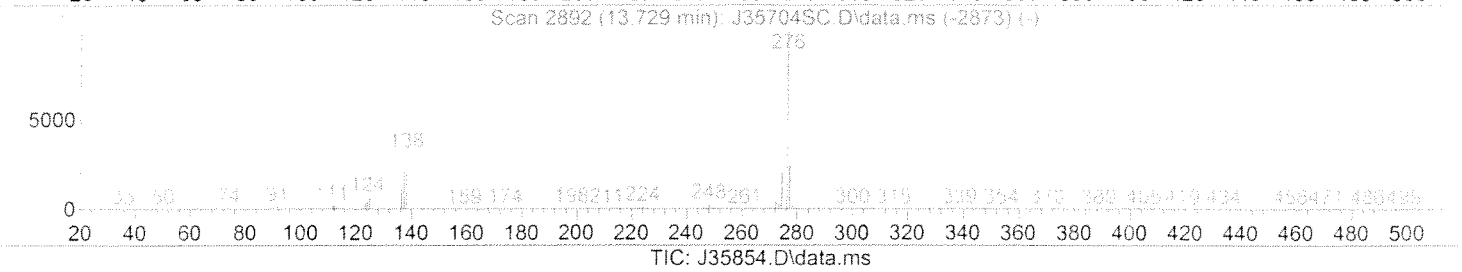
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 05:07:39 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

MV
9/23/10







(84) Indeno [1,2,3-cd] pyrene (TM)

13.632min (+0.000) 20.48ug/ml m

response 571422

Ion	Exp%	Act%
276.00	100	100
138.00	42.30	29.28#
277.00	23.20	23.80
0.00	0.00	0.00

092MW

Method Path : C:\msdchem\1\METHODS\
Method File : ADDXTRA091710.M
Title : ABN ADDS

1)		no compound								0.000#	-1.00
2)		no compound								0.000#	-1.00
3)		no compound								0.000#	-1.00
4)		no compound								0.000#	-1.00
5)	I	d10-Acenaphthene	----------ISTD----------								
6)	TM	no compound								0.000#	-1.00
7)	TM	no compound								0.000#	-1.00
8)		no compound								0.000#	-1.00
9)	S	2-Fluorobiphenyl	1.510	1.513	1.394	1.333	1.177	1.105	0.943	1.282	16.78
0)		no compound								0.000#	-1.00
1)		no compound								0.000#	-1.00
2)		no compound								0.000#	-1.00
3)		no compound								0.000#	-1.00
4)		no compound								0.000#	-1.00
5)		no compound								0.000#	-1.00
6)		no compound								0.000#	-1.00
7)		no compound								0.000#	-1.00
8)		no compound								0.000#	-1.00
9)		no compound								0.000#	-1.00
0)		no compound								0.000#	-1.00
1)		no compound								0.000#	-1.00
2)	TM	no compound								0.000#	-1.00
3)	TM	ATRAZINE	0.435	0.474	0.456	0.433	0.400	0.383	0.336	0.417	11.33
4)	TM	no compound								0.000#	-1.00
5)	TM	no compound								0.000#	-1.00
6)	TM	no compound								0.000#	-1.00
7)	TM	no compound								0.000#	-1.00
8)	TM	no compound								0.000#	-1.00
9)	TM	4-(tert octyl)...	2.085	2.178	2.133	2.046	1.879	1.758	1.458	1.934	13.26
0)	S	2,4,6-Tribromo...	0.204	0.228	0.223	0.220	0.218	0.212	0.194	0.214	5.42
1)	I	d10-Phenanthrene	----------ISTD----------								
2)	TM	Octadecane	0.676	0.667	0.646	0.600	0.548	0.498	0.446	0.583	15.22 Q
3)	TM	no compound								0.000#	-1.00
4)	TM	no compound								0.000#	-1.00
5)	TM	no compound								0.000#	-1.00
6)		no compound								0.000#	-1.00
7)		no compound								0.000#	-1.00
8)		no compound								0.000#	-1.00
9)		no compound								0.000#	-1.00

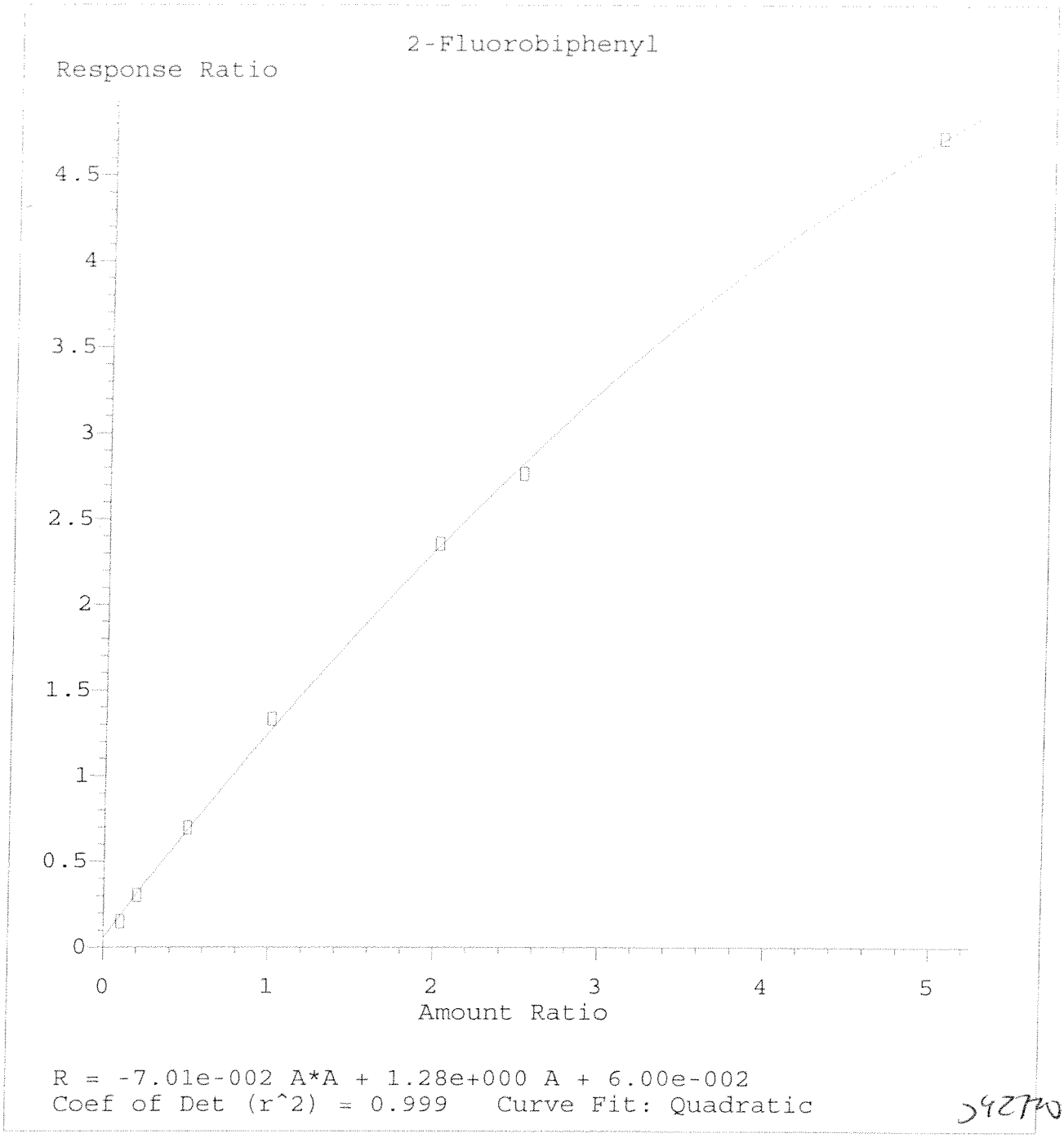
MV 9/23/10

D4270

```
Method Path : C:\msdchem\1\METHODS\
Method File : ADDXTRA091710.M
Title       : ABN ADDS
0)      no compound                                                    0.000#  -1.00

1) I    d12-Chrysene            ----------------ISTD--------------------
2)      no compound                                                    0.000#  -1.00
3) S    d14-p-terphenyl   0.805 0.816 0.755 0.713 0.699 0.669 0.648    0.729    8.92
4)      no compound                                                    0.000#  -1.00
5)      no compound                                                    0.000#  -1.00
6)      no compound                                                    0.000#  -1.00
7)      no compound                                                    0.000#  -1.00
8)      no compound                                                    0.000#  -1.00

9) I    d12-Perylene            ----------------ISTD--------------------
0)      no compound                                                    0.000#  -1.00
1)      no compound                                                    0.000#  -1.00
2)      no compound                                                    0.000#  -1.00
3)      no compound                                                    0.000#  -1.00
4)      no compound                                                    0.000#  -1.00
5)      no compound                                                    0.000#  -1.00
6)      no compound                                                    0.000#  -1.00
-----------------------------------------------------------------------------------
#) = Out of Range
```

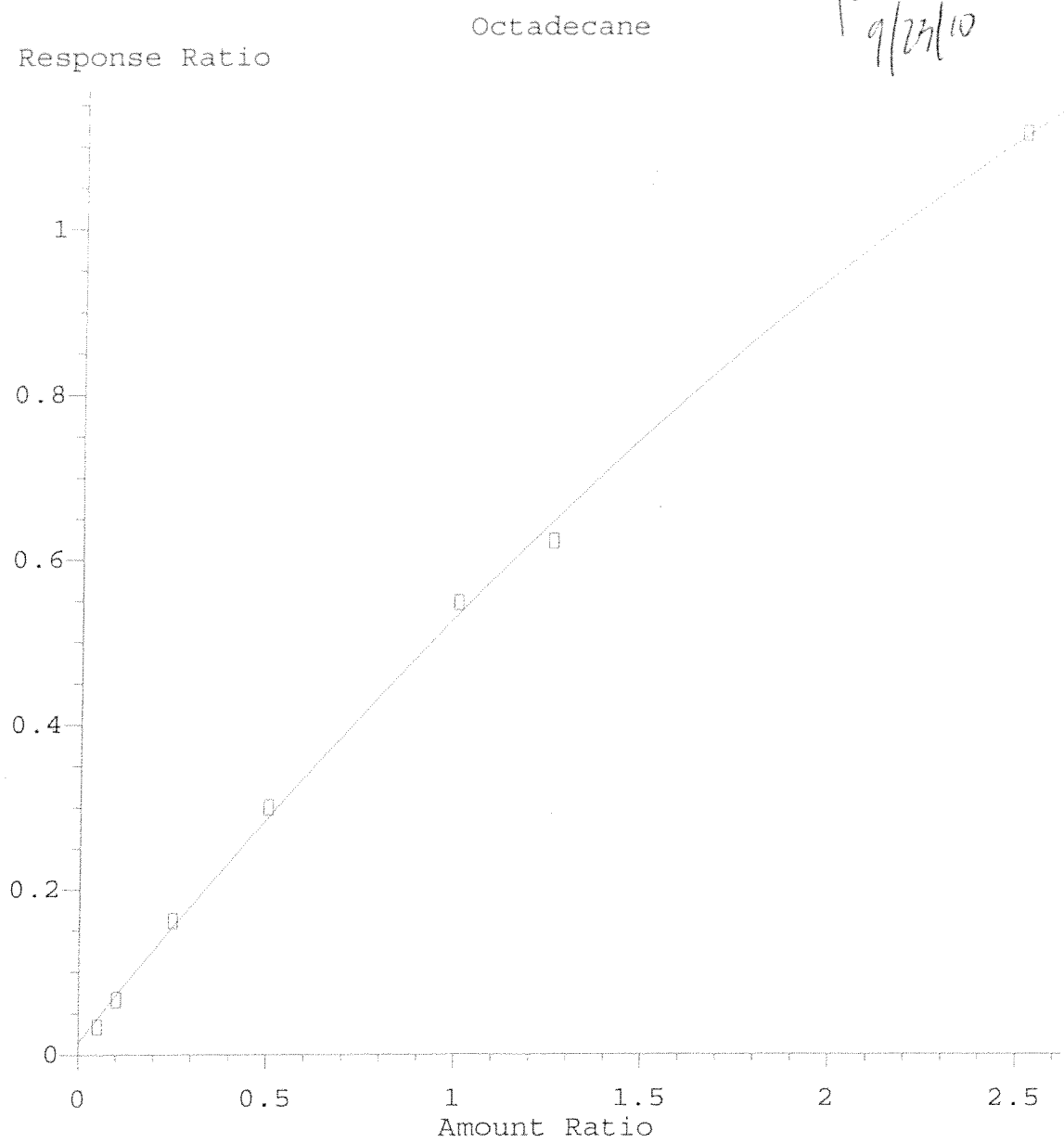
9/23/10

D4270



Method Name: C:\msdchem\1\METHODS\ADDXTRA091710.M
Calibration Table Last Updated: Mon Sep 20 22:05:41 2010

9/27/10



R = -5.27e-002 A*A + 5.71e-001 A + 1.49e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

342720

Method Name: C:\msdchem\1\METHODS\ADDXTRA091710.M
Calibration Table Last Updated: Mon Sep 20 22:06:04 2010

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 20 21:57:16 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:56:43 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.019	152	464920	40.00 ug/ml	0.00
19) d8-Naphthalene	5.310	136	1385756	40.00 ug/ml	0.00
35) d10-Acenaphthene	7.028	164	774582	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.456	188	1371394	40.00 ug/ml	0.00
71) d12-Chrysene	11.000	240	1511123	40.00 ug/ml	0.00
79) d12-Perylene	12.468	264	1300090	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	2.682	112	53547	3.55 ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 4.73%#		
5) d5-Phenol	3.701	99	66338	3.75 ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 5.00%#		
20) d5-nitrobenzene	4.595	82	52627	3.98 ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 7.96%#		
39) 2-Fluorobiphenyl	6.395	172	116936	4.21 ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 8.42%#		
60) 2,4,6-Tribromophenol	7.795	330	15784	3.38 ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 4.51%#		
73) d14-p-terphenyl	10.019	244	121624	3.94 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 7.88%#		

Target Compounds					Qvalue
2) BENZALDEHYDE	3.570	77	17838	2.04 ug/ml	96
3) n-Decane	3.893	57	44238	1.91 ug/ml	99
6) Acetophenone	4.450	105	38245	1.85 ug/ml	96
21) alpha-terpineol	5.376	93	11888	2.01 ug/ml	90
22) 2,3-dichloroaniline	6.305	161	30324	1.80 ug/ml	99
24) CAPROLACTAM	5.741	55	19038	1.76 ug/ml#	75
25) 1,2,4,5-TETRACHLOROBEN...	6.184	216	31001	1.96 ug/ml	96
53) ATRAZINE	8.245	200	16858	1.89 ug/ml	99
59) 4-(tert octyl) Phenol	7.591	135	80768	1.95 ug/ml#	93
62) Octadecane	8.438	57	46363	2.05 ug/ml	98

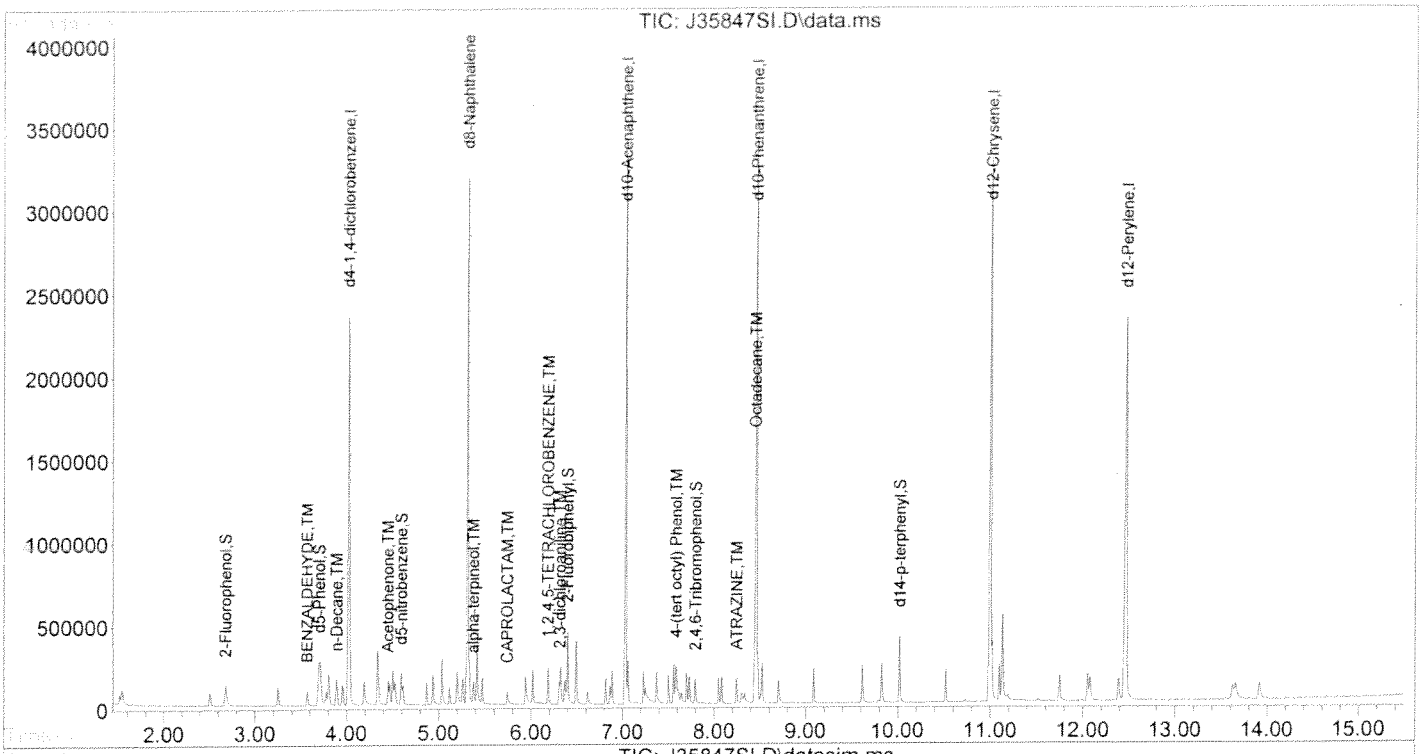
(#) = qualifier out of range (m) = manual integration (+) = signals summed

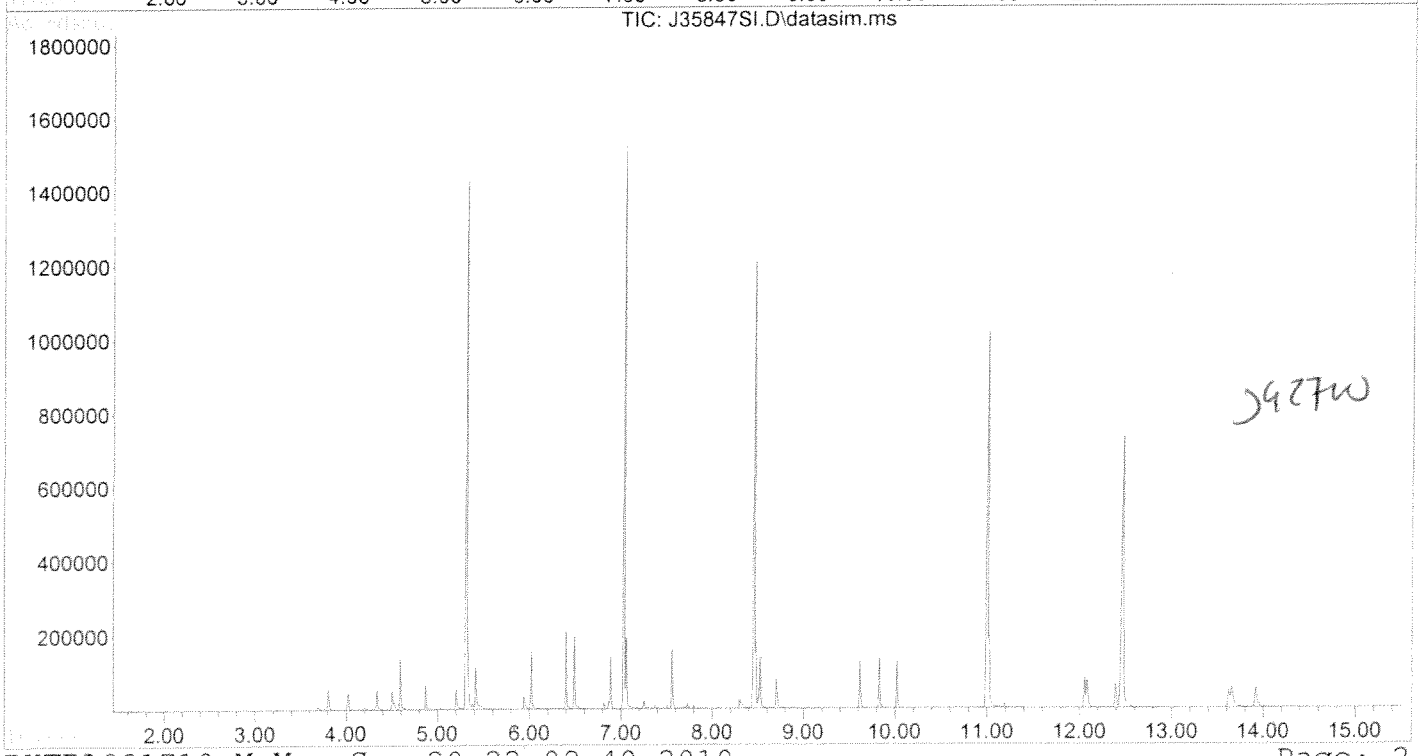
JGW

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 20 21:57:16 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:56:43 2010
Response via : Initial Calibration

9/23/10





Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

MC 9/23/10

Quant Time: Sep 20 21:57:20 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.019	152	456768	40.00	ug/ml	0.00
19) d8-Naphthalene	5.310	136	1348707	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.028	164	760013	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.456	188	1349373	40.00	ug/ml	0.00
71) d12-Chrysene	10.999	240	1435119	40.00	ug/ml	0.00
79) d12-Perylene	12.464	264	1274956	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.682	112	107380	7.25	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 9.67%#			
5) d5-Phenol	3.697	99	132117	7.60	ug/ml	-0.01
Spiked Amount 75.000	Range 22 - 110		Recovery = 10.13%#			
20) d5-nitrobenzene	4.595	82	101584	7.89	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 15.78%#			
39) 2-Fluorobiphenyl	6.395	172	230004	8.45	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 16.90%#			
60) 2,4,6-Tribromophenol	7.795	330	34592	7.55	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 10.07%#			
73) d14-p-terphenyl	10.019	244	234320	8.00	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 16.00%#			
Target Compounds						Qvalue
2) BENZALDEHYDE	3.570	77	35621	4.14	ug/ml	97
3) n-Decane	3.898	57	89014	3.90	ug/ml	99
6) Acetophenone	4.450	105	72880	3.58	ug/ml	100
21) alpha-terpineol	5.376	93	22015	3.83	ug/ml	99
22) 2,3-dichloroaniline	6.301	161	62368	3.80	ug/ml	97
24) CAPROLACTAM	5.754	55	38736	3.67	ug/ml#	69
25) 1,2,4,5-TETRACHLOROBEN...	6.184	216	61097	3.97	ug/ml	99
53) ATRAZINE	8.244	200	36062	4.13	ug/ml	100
59) 4-(tert octyl) Phenol	7.591	135	165531	4.07	ug/ml	99
62) Octadecane	8.438	57	89986	4.04	ug/ml	97

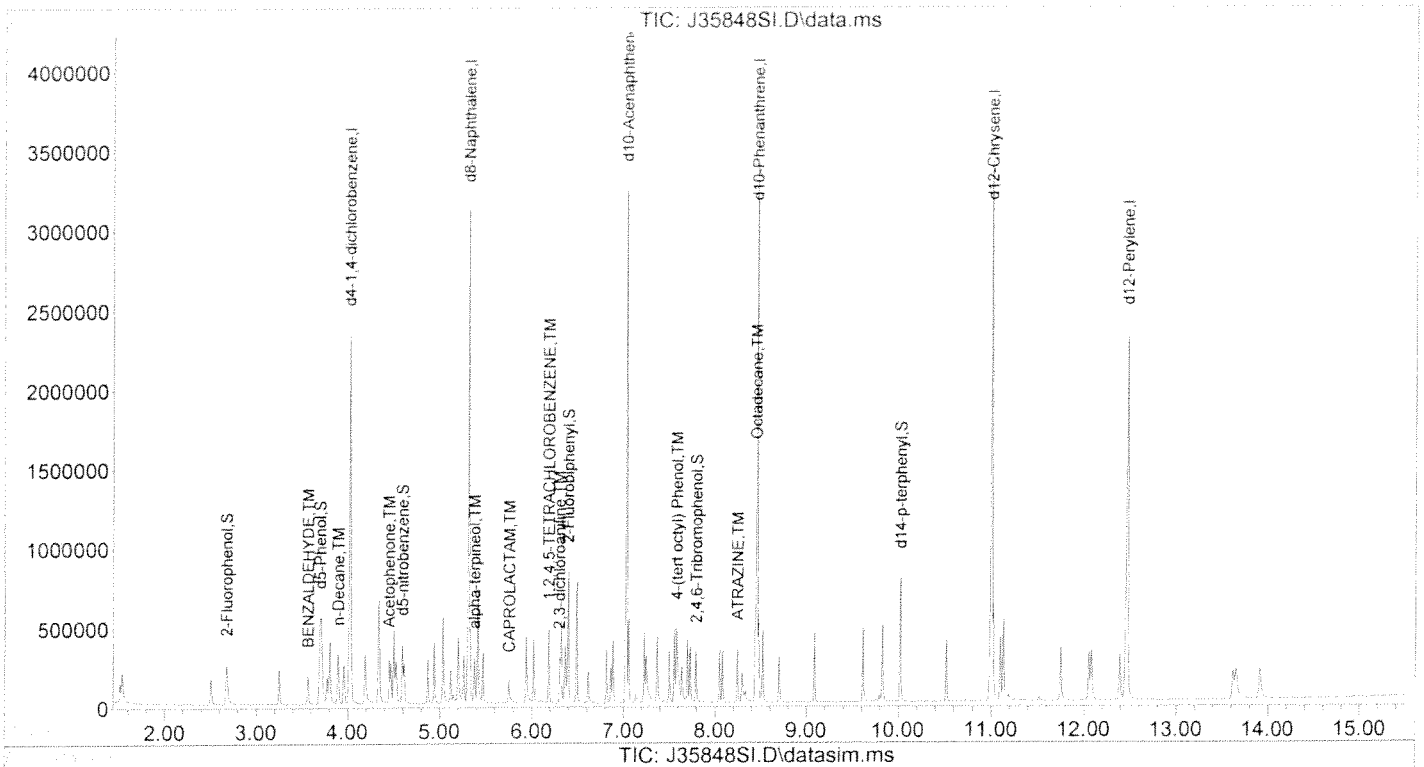
(#) = qualifier out of range (m) = manual integration (+) = signals summed

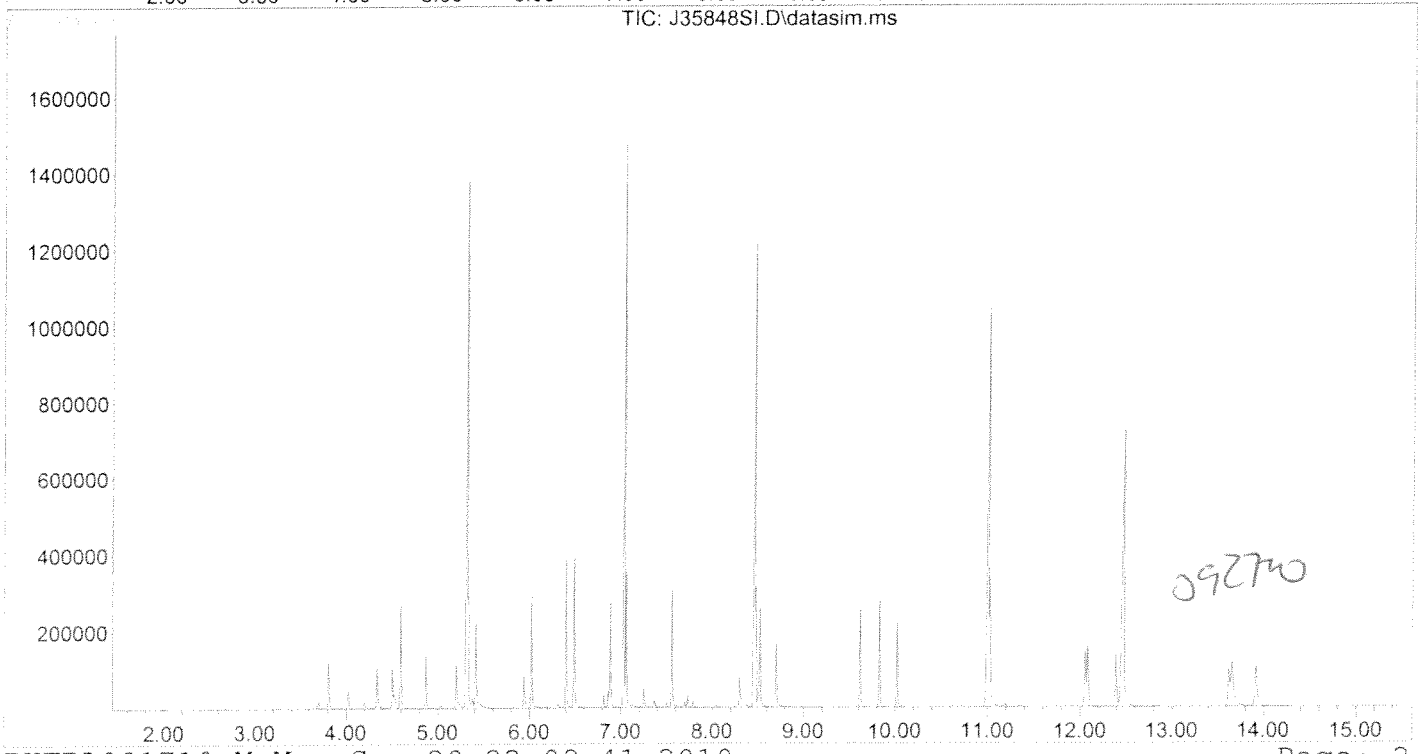
5927W

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 20 21:57:20 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MO 9/23/10





092740

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 21:58:48 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.024	152	472123	40.00 ug/ml	0.00
19) d8-Naphthalene	5.310	136	1349962	40.00 ug/ml	0.00
35) d10-Acenaphthene	7.033	164	781418	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.461	188	1378842	40.00 ug/ml	0.00
71) d12-Chrysene	11.004	240	1424119	40.00 ug/ml	0.00
79) d12-Perylene	12.464	264	1276175	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	2.682	112	282215	18.45 ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 24.60%#		
5) d5-Phenol	3.701	99	340940	18.99 ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 25.32%		
20) d5-nitrobenzene	4.599	82	248045	19.26 ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 38.52%#		
39) 2-Fluorobiphenyl	6.399	172	544819	19.46 ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 38.92%#		
60) 2,4,6-Tribromophenol	7.795	330	86954	18.47 ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 24.63%#		
73) d14-p-terphenyl	10.019	244	537438	18.48 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 36.96%		

Target Compounds					Qvalue
2) BENZALDEHYDE	3.575	77	94457	10.63 ug/ml	98
3) n-Decane	3.898	57	225053	9.55 ug/ml	100
6) Acetophenone	4.454	105	191100	9.09 ug/ml	99
21) alpha-terpineol	5.380	93	55022	9.57 ug/ml	96
22) 2,3-dichloroaniline	6.305	161	155226	9.45 ug/ml	99
24) CAPROLACTAM	5.781	55	93719m	8.88 ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.189	216	149032	9.66 ug/ml	100
53) ATRAZINE	8.249	200	89172	9.93 ug/ml	99
59) 4-(tert octyl) Phenol	7.591	135	416708	9.96 ug/ml	100
62) Octadecane	8.438	57	222789	9.78 ug/ml	98

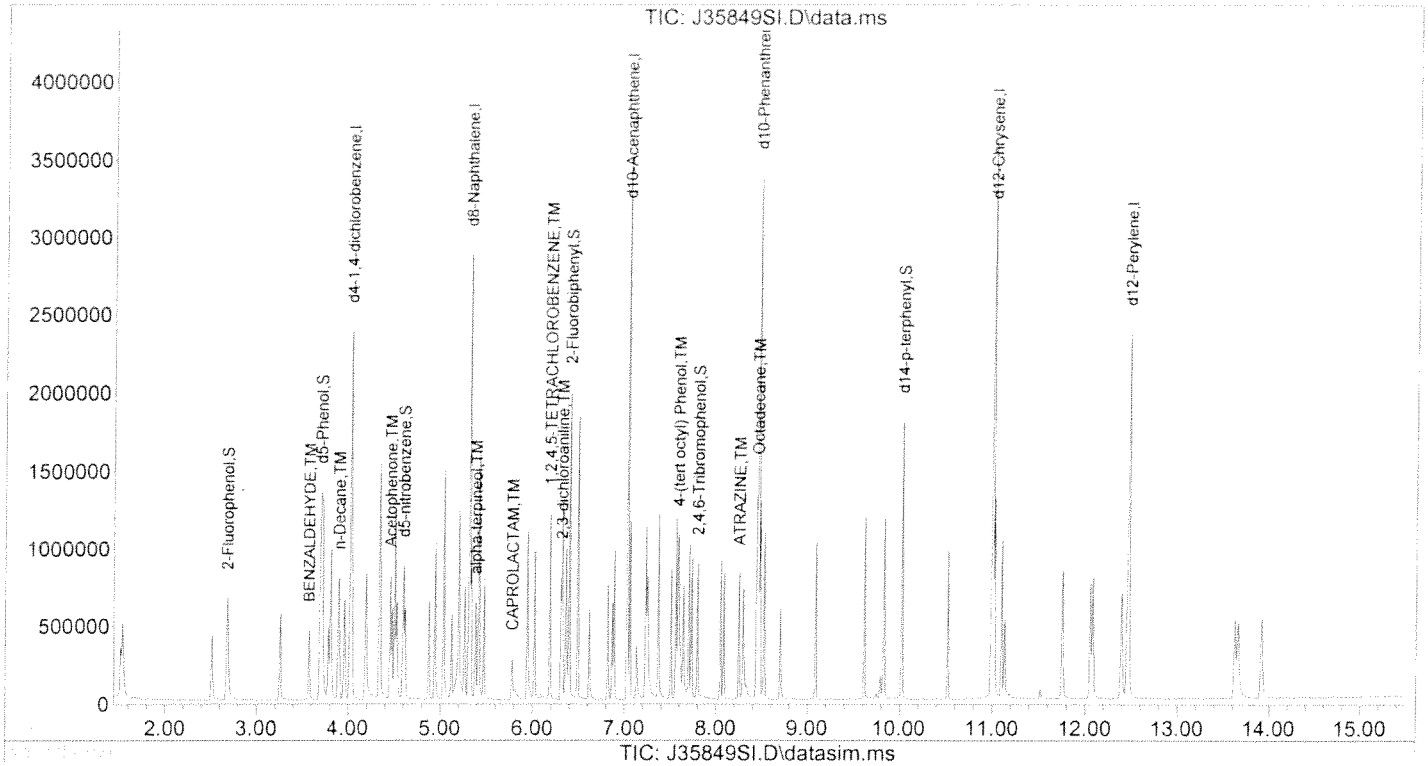
(#) = qualifier out of range (m) = manual integration (+) = signals summed

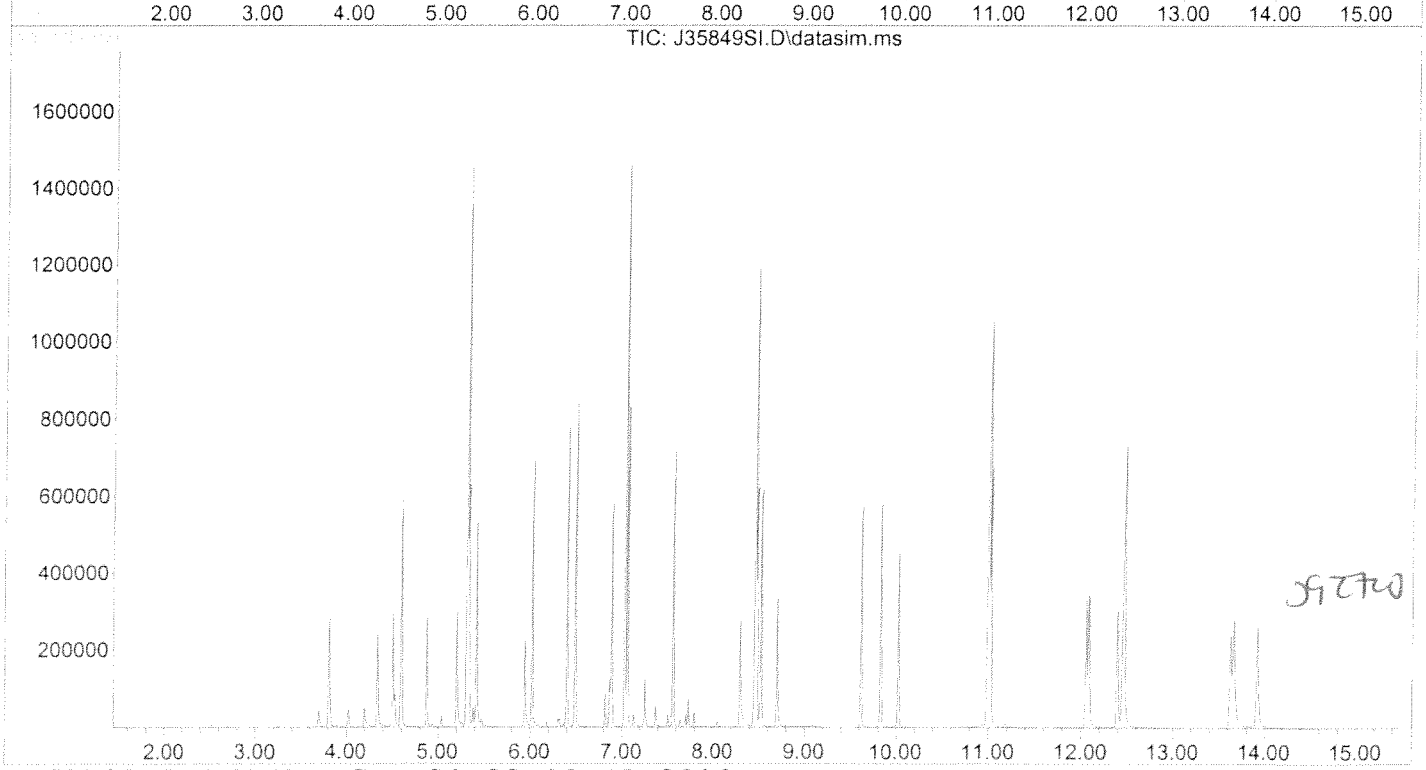
JGZ 9/27/10

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 21:58:48 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MW
9/03/10





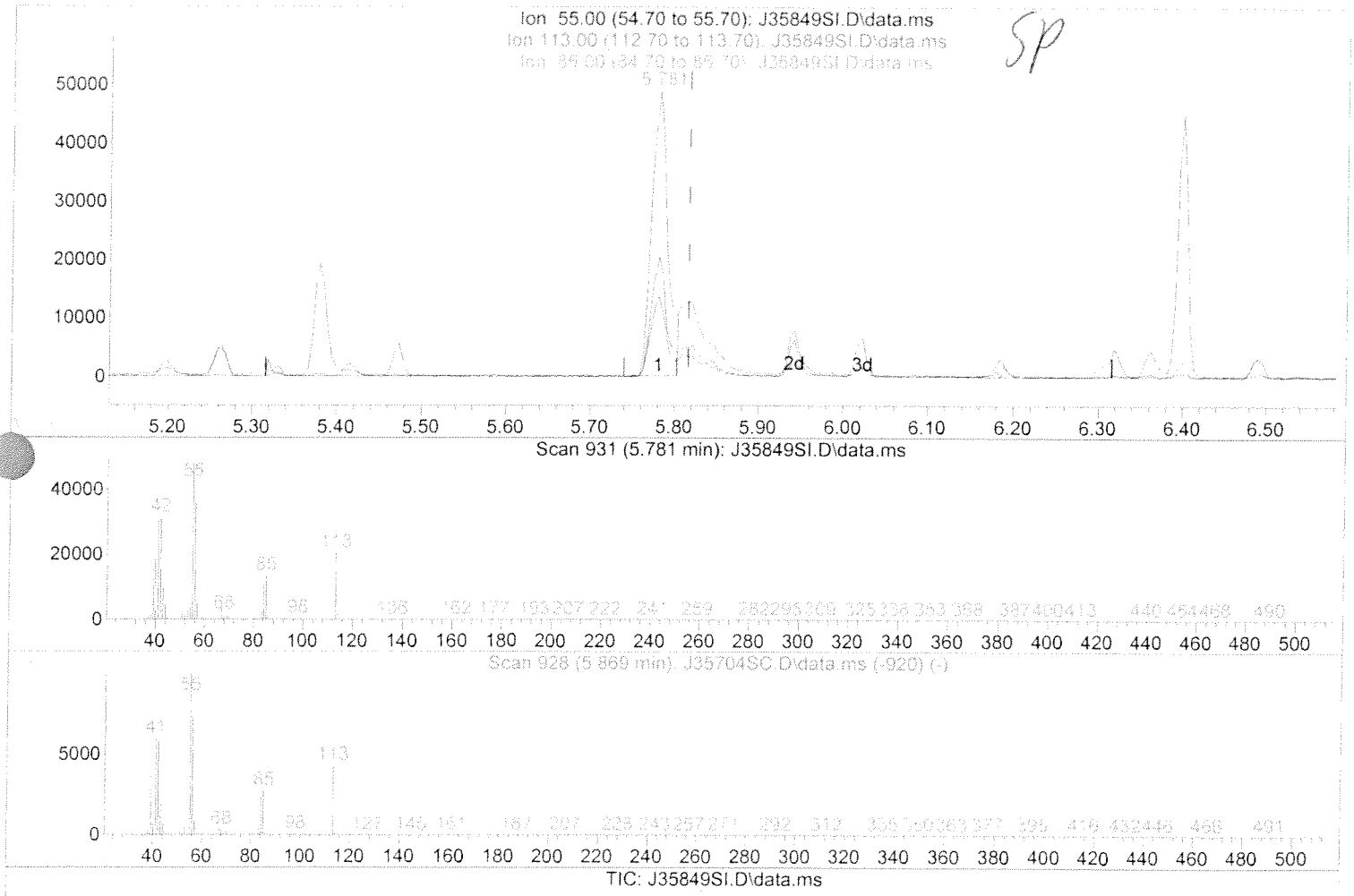
SGTW

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 21:57:24 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MN 9/23/10

SP



(24) CAPROLACTAM (TM)

5.781min (-0.036) 6.20ug/ml

response 65463

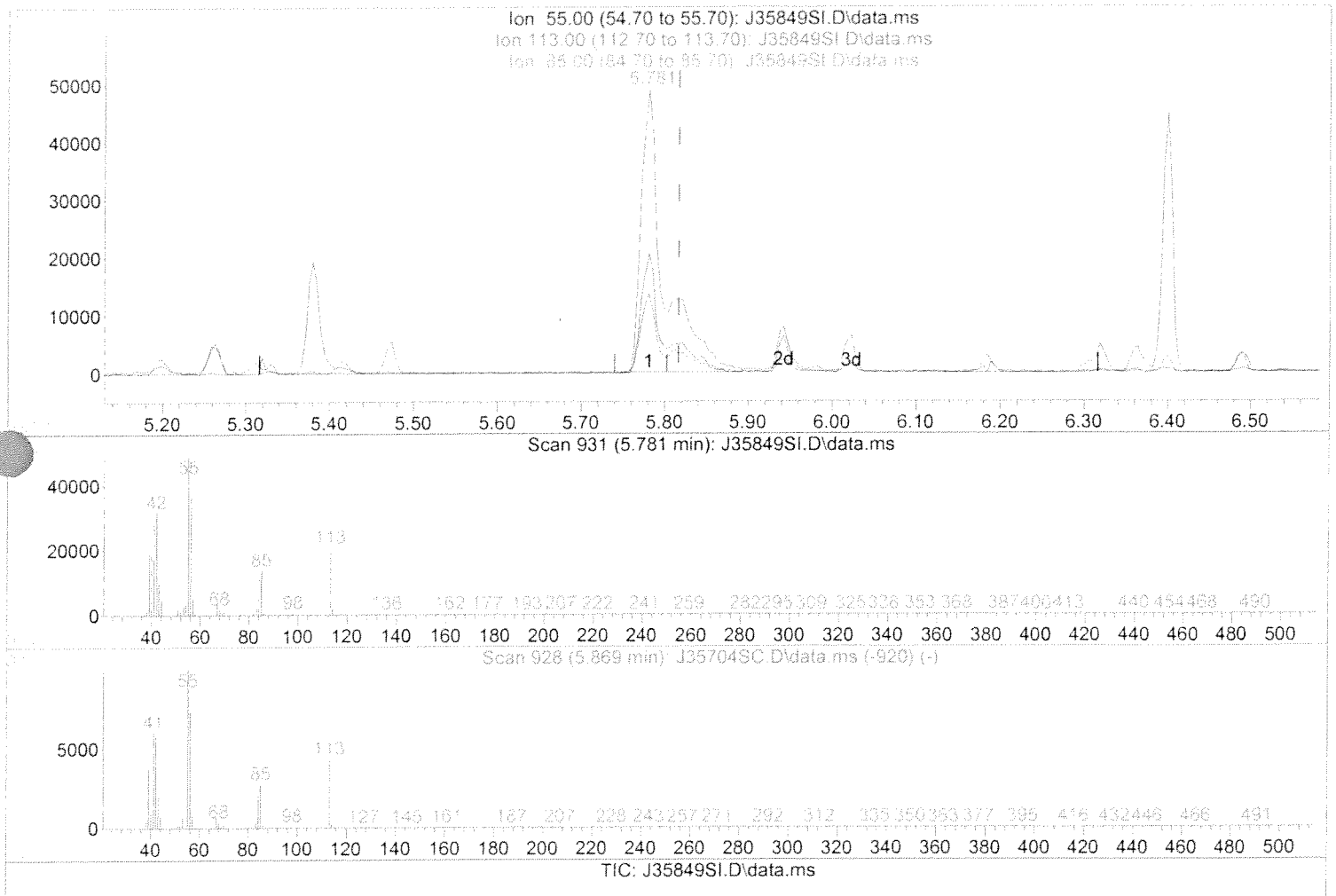
Ion	Exp%	Act%
55.00	100	100
113.00	22.60	40.58#
85.00	15.50	26.20#
0.00	0.00	0.00

J927W

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 21:57:24 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MV 9/23/10



J92740

(24) CAPROLACTAM (TM)

5.781min (-0.036) 8.88ug/ml m

response 93719

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	28.34#
85.00	15.50	18.30
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 20 21:59:37 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.024	152	460045	40.00	ug/ml	0.00
19) d8-Naphthalene	5.315	136	1393266	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.033	164	781747	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.460	188	1380967	40.00	ug/ml	0.00
71) d12-Chrysene	11.007	240	1376809	40.00	ug/ml	0.00
79) d12-Perylene	12.468	264	1268991	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.682	112	552185	37.04	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 49.39%			
5) d5-Phenol	3.711	99	648551	37.07	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 49.43%			
20) d5-nitrobenzene	4.604	82	479600	36.07	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 72.14%			
39) 2-Fluorobiphenyl	6.404	172	1042078	37.21	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 74.42%			
60) 2,4,6-Tribromophenol	7.800	330	171686	36.45	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 48.60%#			
73) d14-p-terphenyl	10.023	244	981814	34.92	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 69.84%			

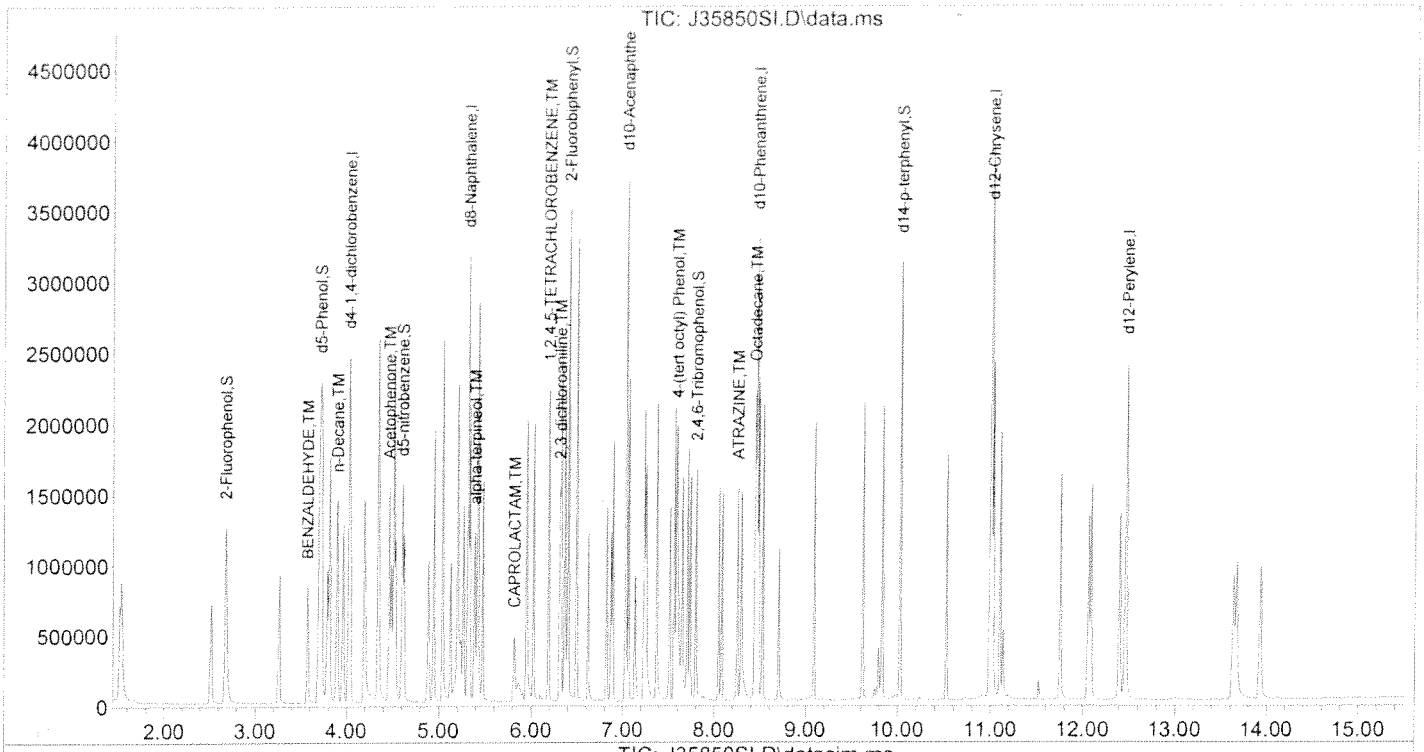
Target Compounds						Qvalue
2) BENZALDEHYDE	3.575	77	181816	21.00	ug/ml	100
3) n-Decane	3.898	57	418299	18.22	ug/ml	100
6) Acetophenone	4.459	105	379585	18.53	ug/ml	100
21) alpha-terpineol	5.390	93	108677	18.31	ug/ml	100
22) 2,3-dichloroaniline	6.305	161	310048	18.30	ug/ml	100
24) CAPROLACTAM	5.817	55	205962m	18.90	ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.189	216	290620	18.26	ug/ml	100
53) ATRAZINE	8.253	200	169391	18.85	ug/ml	100
59) 4-(tert octyl) Phenol	7.596	135	799626	19.10	ug/ml	100
62) Octadecane	8.438	57	414418	18.17	ug/ml	100

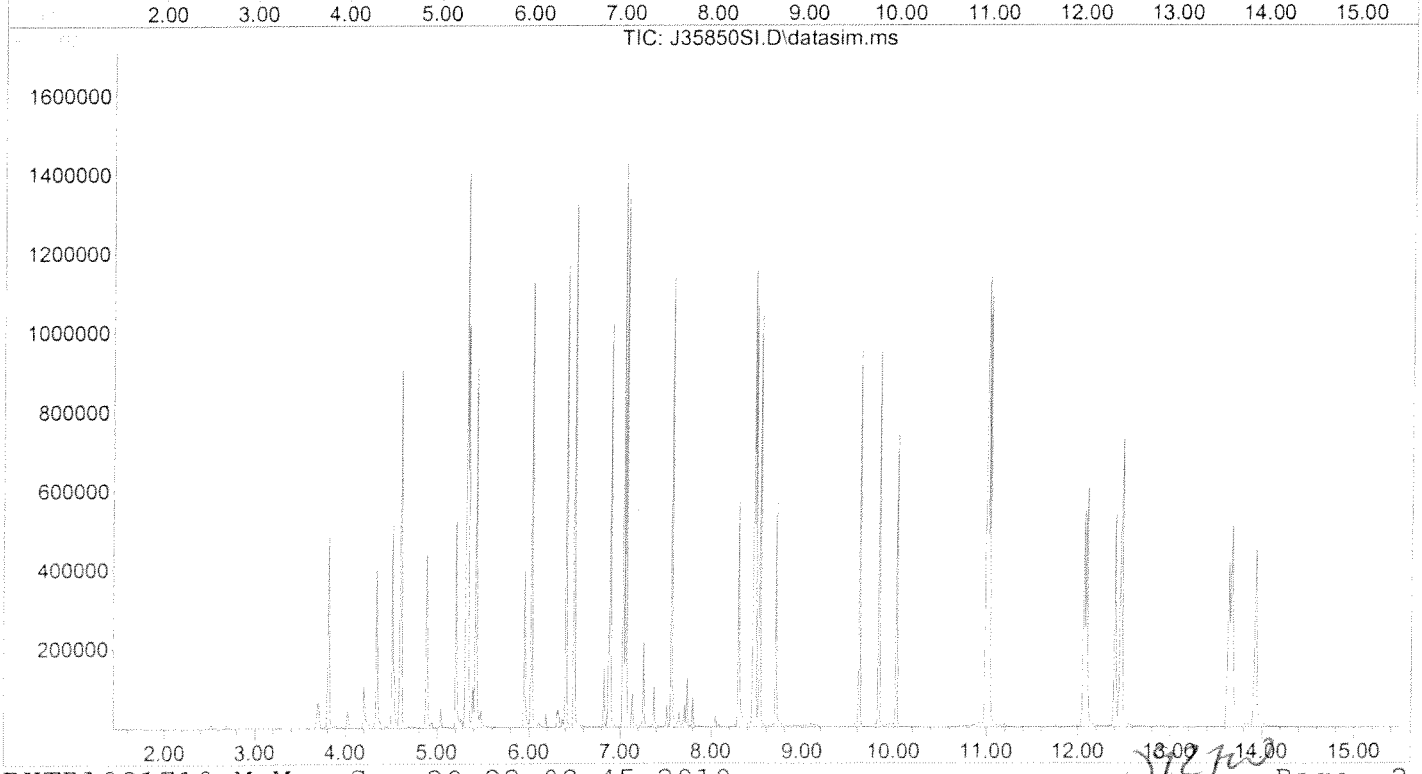
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 20 21:59:37 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MN 9/23/10



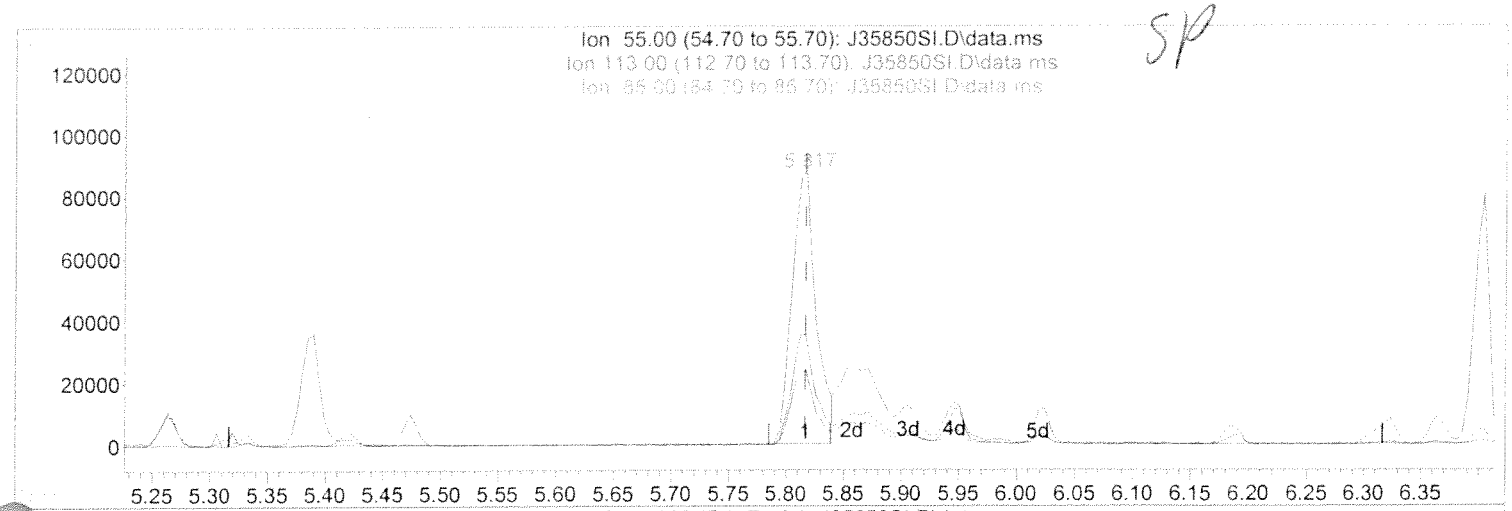


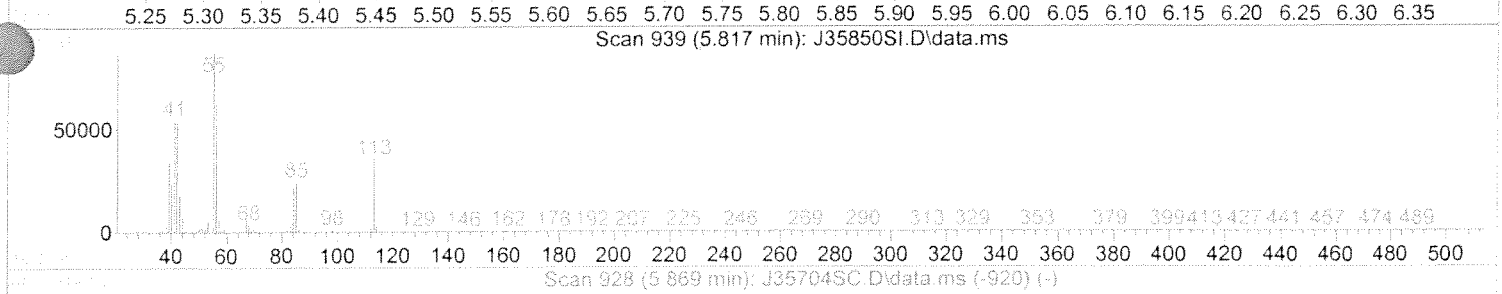
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

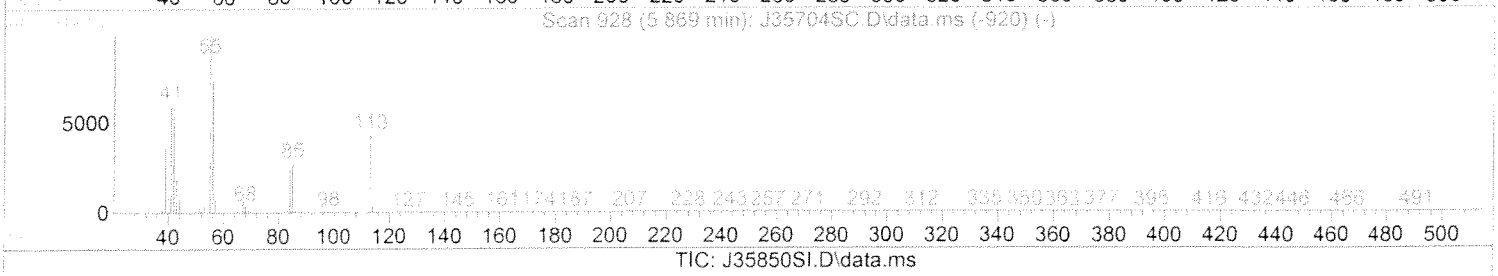
Quant Time: Sep 20 21:57:26 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MN 9/23/10

SP







TIC: J35850SI.D\data.ms

(24) CAPROLACTAM (TM)

5.817min (0.000) 11.72ug/ml

response 127740

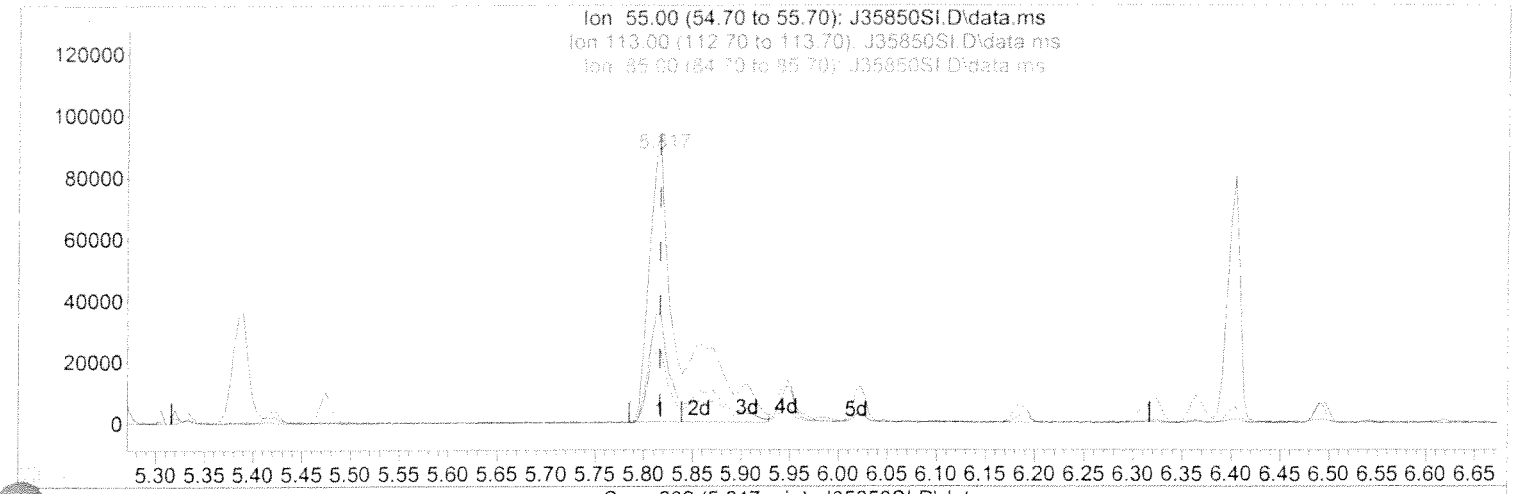
Ion	Exp%	Act%
55.00	100	100
113.00	22.60	40.42#
85.00	15.50	27.68#
0.00	0.00	0.00

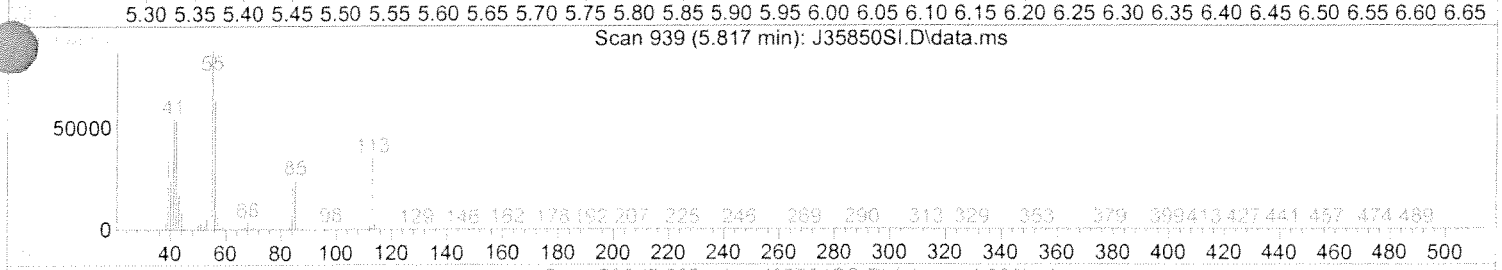
127740

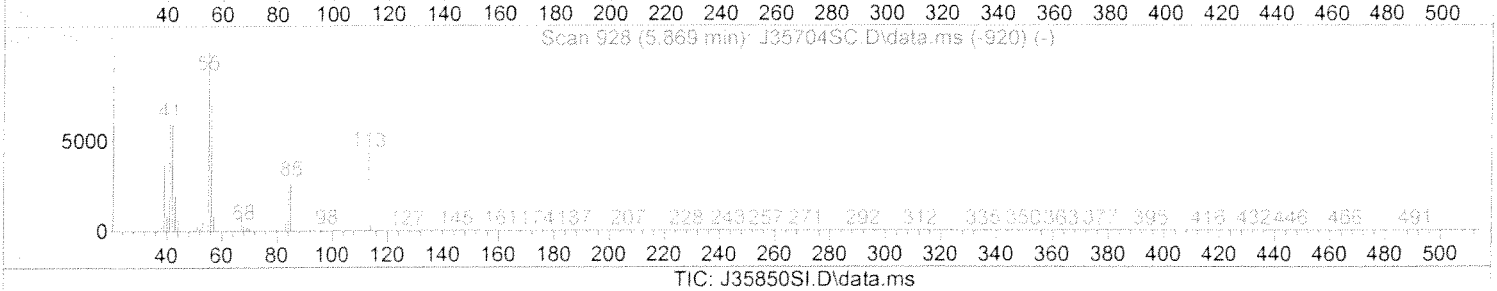
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 20 21:57:26 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

PN 9/23/10







TIC: J35850SI.D\data.ms

(24) CAPROLACTAM (TM)

5.817min (0.000) 18.90ug/ml m

response 205962

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	25.07
85.00	15.50	17.17
0.00	0.00	0.00

J9270

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 20 22:00:08 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.029	152	489998	40.00 ug/ml	0.00
19) d8-Naphthalene	5.320	136	1488181	40.00 ug/ml	0.00
35) d10-Acenaphthene	7.033	164	850398	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.465	188	1445498	40.00 ug/ml	0.00
71) d12-Chrysene	11.011	240	1396191	40.00 ug/ml	0.00
79) d12-Perylene	12.471	264	1315258	40.00 ug/ml	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.691	112	1167683	73.54 ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 98.05%		
5) d5-Phenol	3.729	99	1306700	70.11 ug/ml	0.02
Spiked Amount 75.000	Range 22 - 110		Recovery = 93.48%		
20) d5-nitrobenzene	4.618	82	972257	68.46 ug/ml	0.01
Spiked Amount 50.000	Range 45 - 107		Recovery = 136.92%#		
39) 2-Fluorobiphenyl	6.413	172	2002131	65.72 ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 131.44%#		
60) 2,4,6-Tribromophenol	7.809	330	370439	72.30 ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 96.40%		
73) d14-p-terphenyl	10.030	244	1952589	68.49 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 136.98%#		

Target Compounds					Qvalue
2) BENZALDEHYDE	3.584	77	364556	39.53 ug/ml	98
3) n-Decane	3.902	57	862743	35.28 ug/ml	99
6) Acetophenone	4.473	105	790723	36.24 ug/ml	99
21) alpha-terpineol	5.399	93	229809	36.25 ug/ml	93
22) 2,3-dichloroaniline	6.314	161	616065	34.04 ug/ml	99
24) CAPROLACTAM	5.875	55	418419m	35.95 ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.193	216	561755	33.05 ug/ml	100
53) ATRAZINE	8.267	200	340260	34.81 ug/ml	100
59) 4-(tert octyl) Phenol	7.601	135	1598093	35.10 ug/ml	99
62) Octadecane	8.443	57	791755	33.16 ug/ml	98

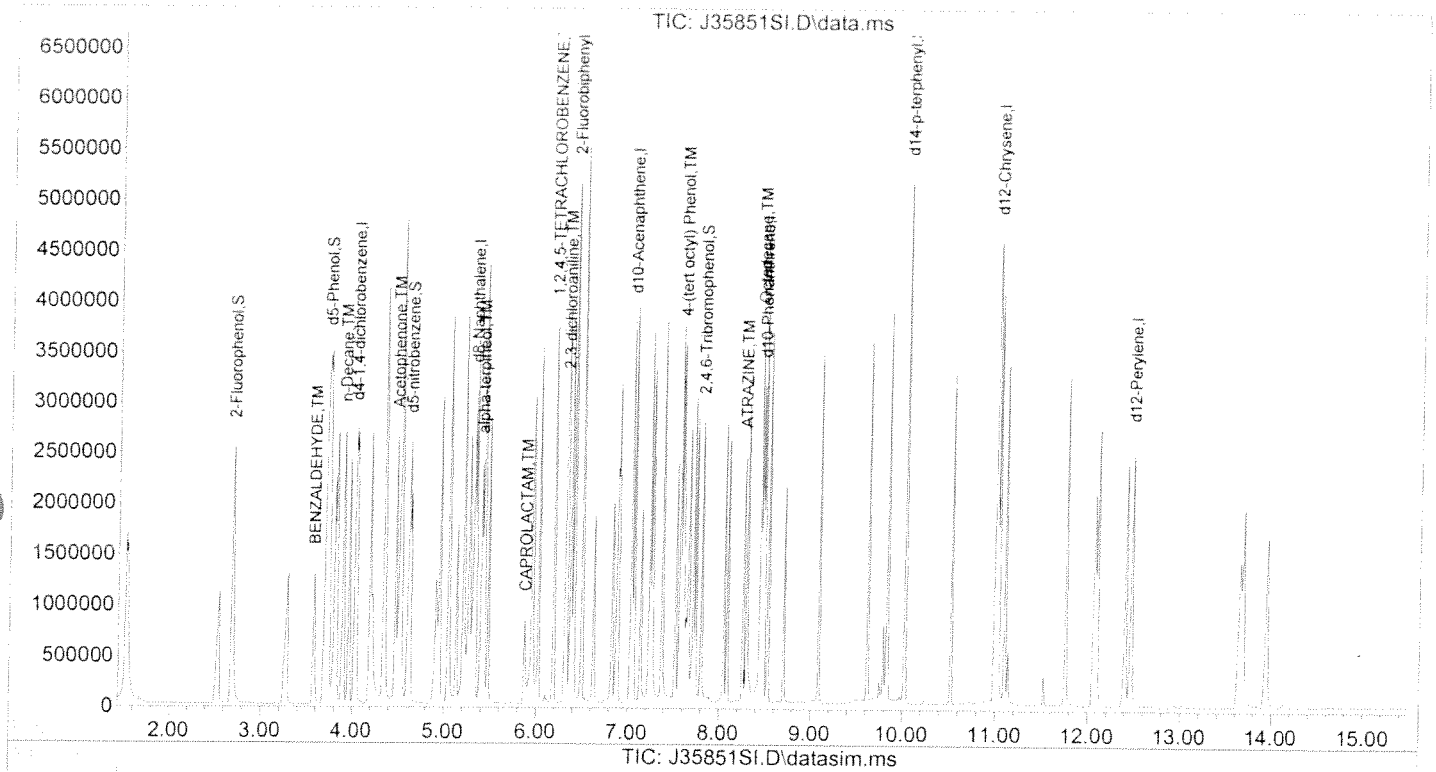
(#) = qualifier out of range (m) = manual integration (+) = signals summed

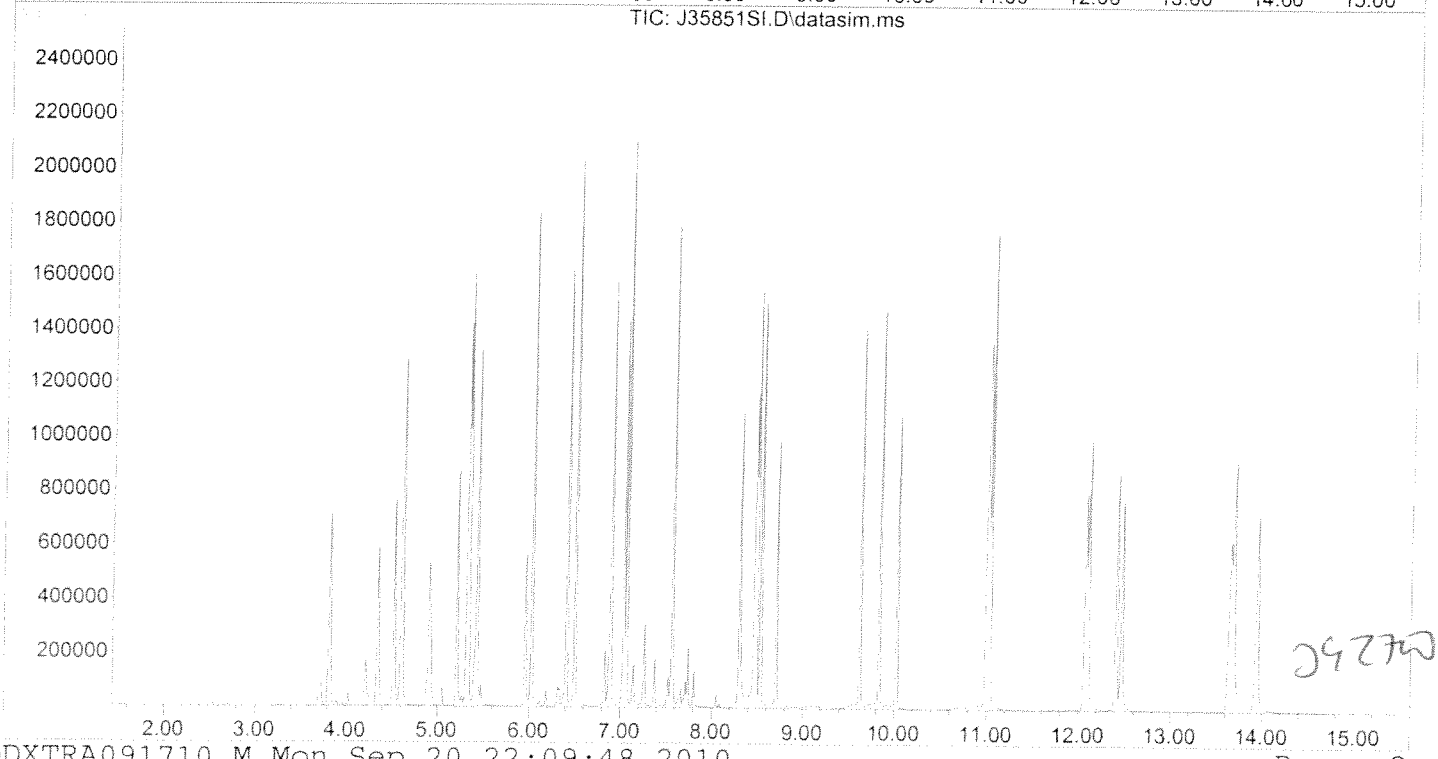
D9270

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 20 22:00:08 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

9/23/10



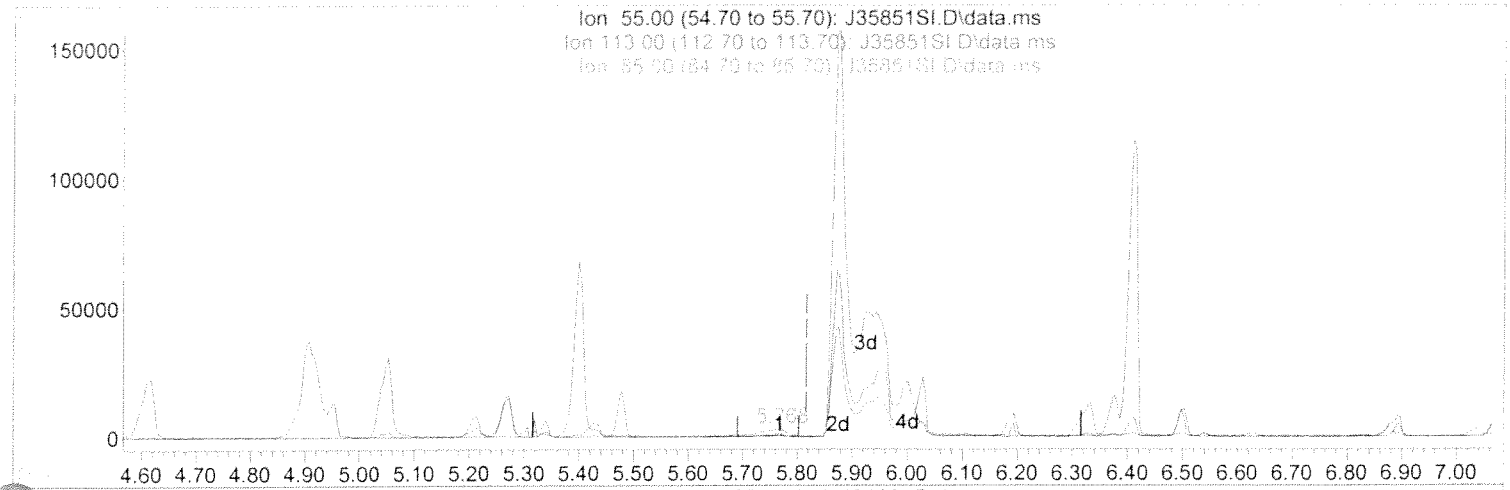


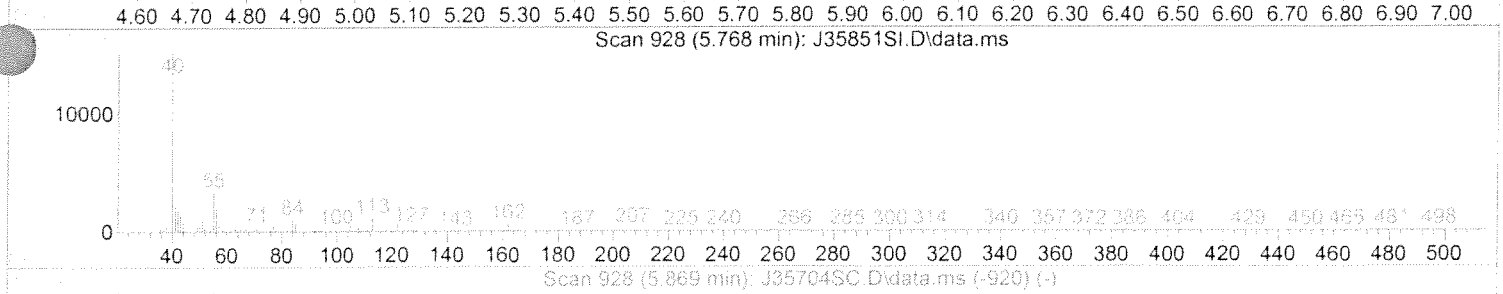
29270

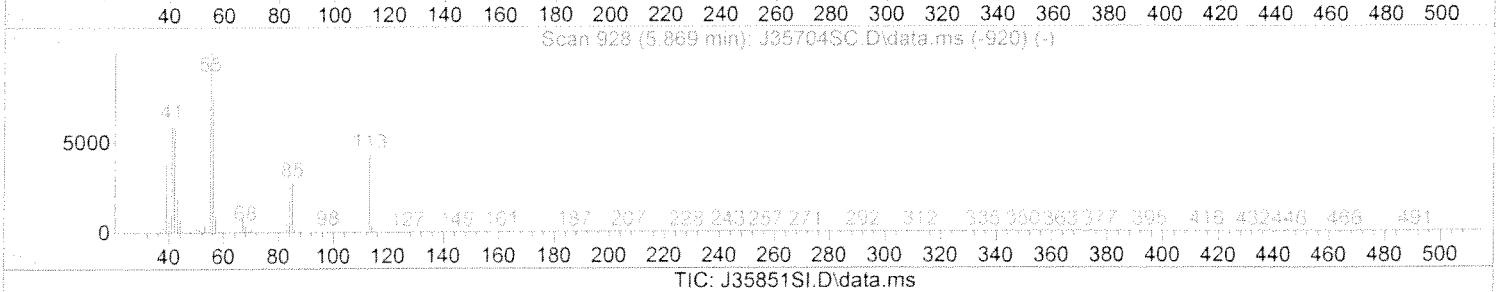
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 20 21:57:30 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

9/23/10







TIC: J35851SI.D\data.ms

(24) CAPROLACTAM (TM)

5.768min (-0.049) 0.66ug/ml

response 7722

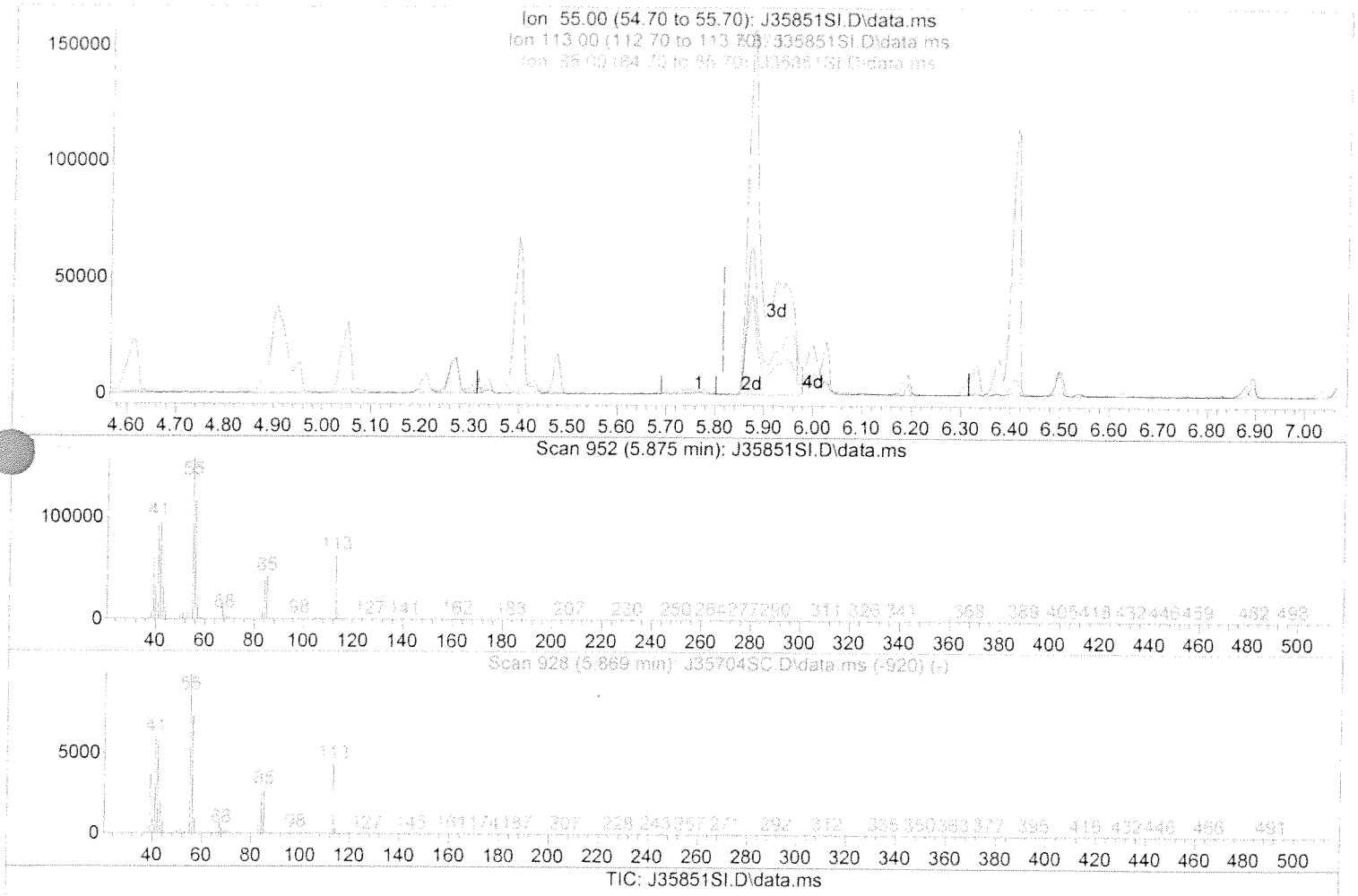
Ion	Exp%	Act%
55.00	100	100
113.00	22.60	20.90
85.00	15.50	13.91
0.00	0.00	0.00

JRZW

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 20 21:57:30 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MC 9/23/10



(24) CAPROLACTAM (TM)

5.875min (+0.058) 35.95ug/ml m

response 418419

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	0.39#
85.00	15.50	0.26#
0.00	0.00	0.00

59270

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

9/23/10

Quant Time: Sep 20 22:00:55 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.029	152	480235	40.00	ug/ml	0.00
19) d8-Naphthalene	5.320	136	1425038	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.038	164	835715	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.465	188	1407295	40.00	ug/ml	0.00
71) d12-Chrysene	11.015	240	1356071	40.00	ug/ml	0.00
79) d12-Perylene	12.475	264	1310149	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.696	112	1416094	90.99	ug/ml	0.01
Spiked Amount 75.000	Range 28 - 110		Recovery = 121.32%#			
5) d5-Phenol	3.734	99	1560517	85.44	ug/ml	0.02
Spiked Amount 75.000	Range 22 - 110		Recovery = 113.92%#			
20) d5-nitrobenzene	4.623	82	1144575	84.17	ug/ml	0.02
Spiked Amount 50.000	Range 45 - 107		Recovery = 168.34%#			
39) 2-Fluorobiphenyl	6.413	172	2309598	77.15	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 154.30%#			
60) 2,4,6-Tribromophenol	7.809	330	443001	87.98	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 117.31%			
73) d14-p-terphenyl	10.034	244	2267031	81.87	ug/ml	0.01
Spiked Amount 50.000	Range 33 - 132		Recovery = 163.74%#			

Target Compounds						Qvalue
2) BENZALDEHYDE	3.584	77	398265	44.06	ug/ml	99
3) n-Decane	3.902	57	1023435	42.70	ug/ml	99
6) Acetophenone	4.478	105	945449	44.21	ug/ml	99
21) alpha-terpineol	5.404	93	271087	44.66	ug/ml	92
22) 2,3-dichloroaniline	6.314	161	731275	42.19	ug/ml	99
24) CAPROLACTAM	5.897	55	473141m	42.45	ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.198	216	661399	40.63	ug/ml	100
53) ATRAZINE	8.271	200	400264	41.67	ug/ml	99
59) 4-(tert octyl) Phenol	7.605	135	1836935	41.05	ug/ml	99
62) Octadecane	8.443	57	875816	37.67	ug/ml	97

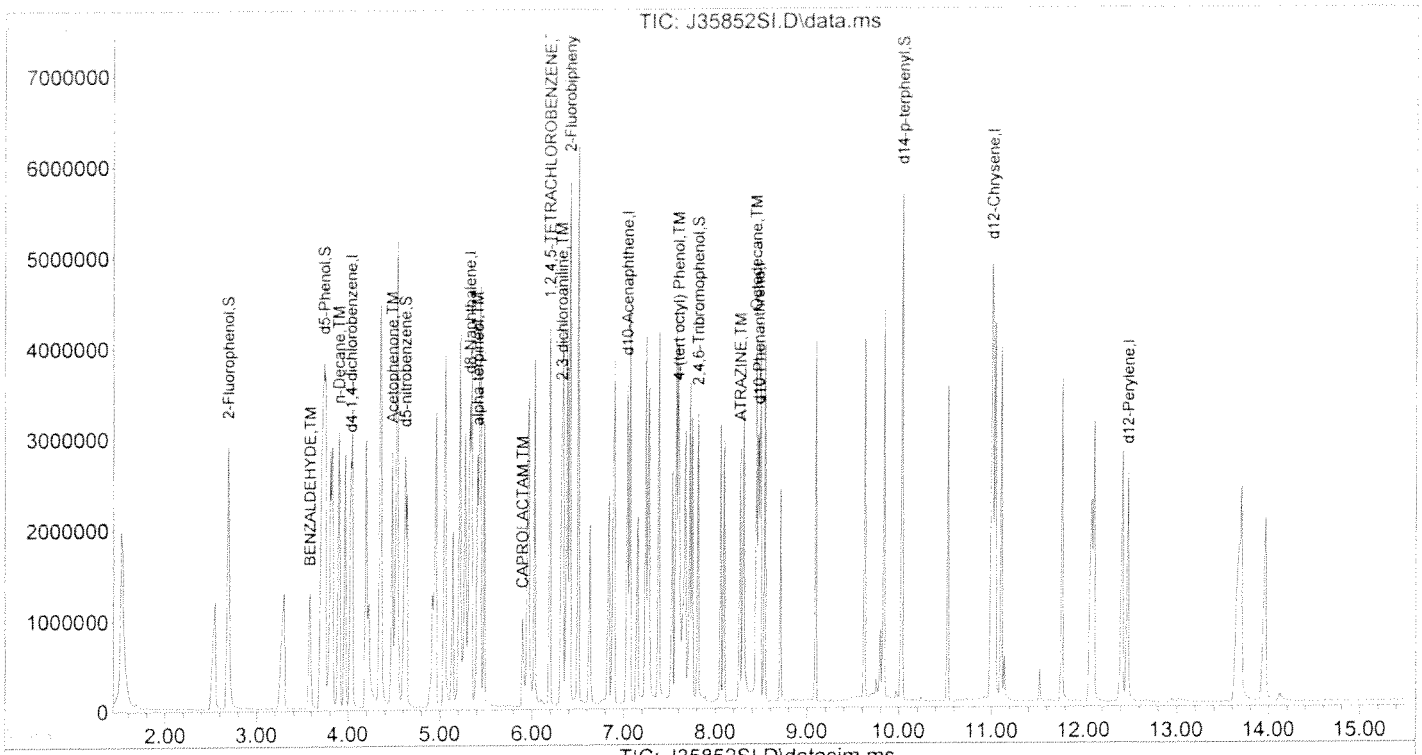
(#) = qualifier out of range (m) = manual integration (+) = signals summed

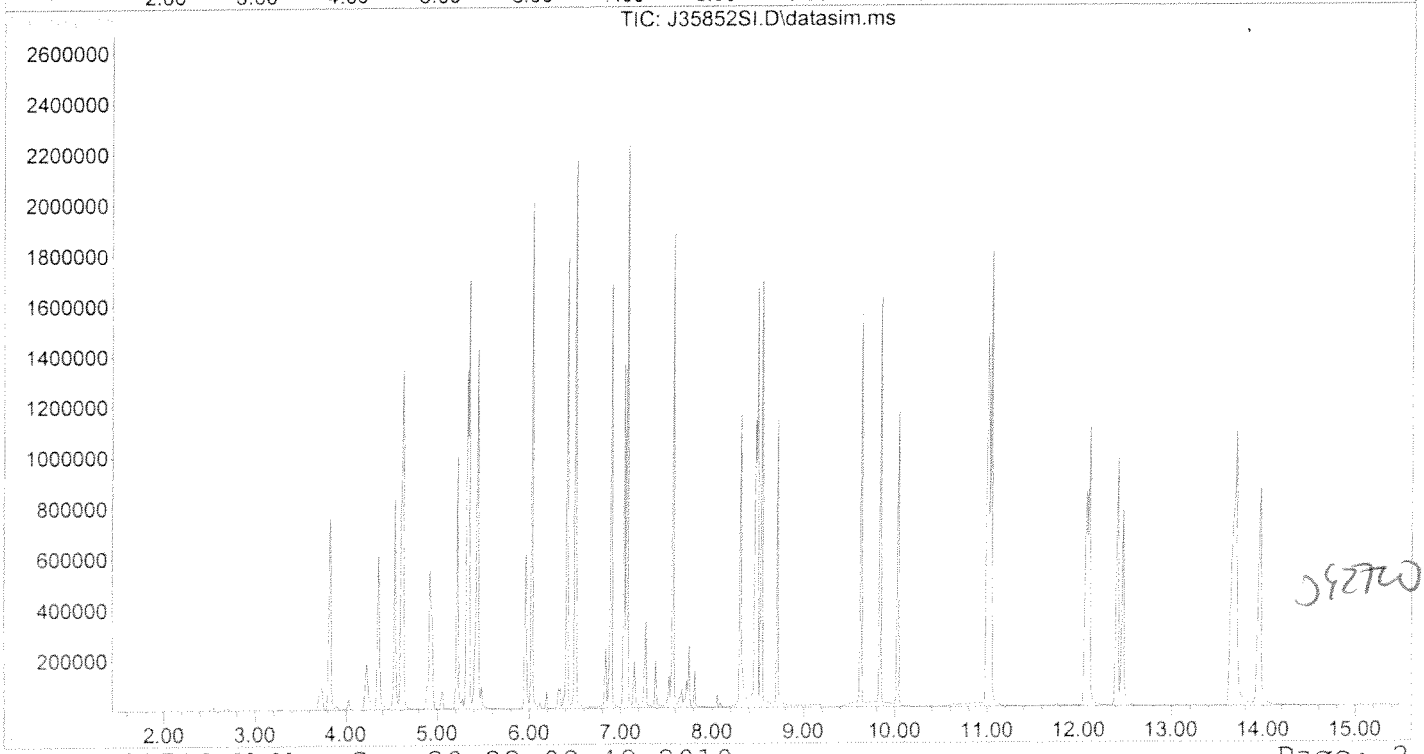
392710

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 20 22:00:55 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

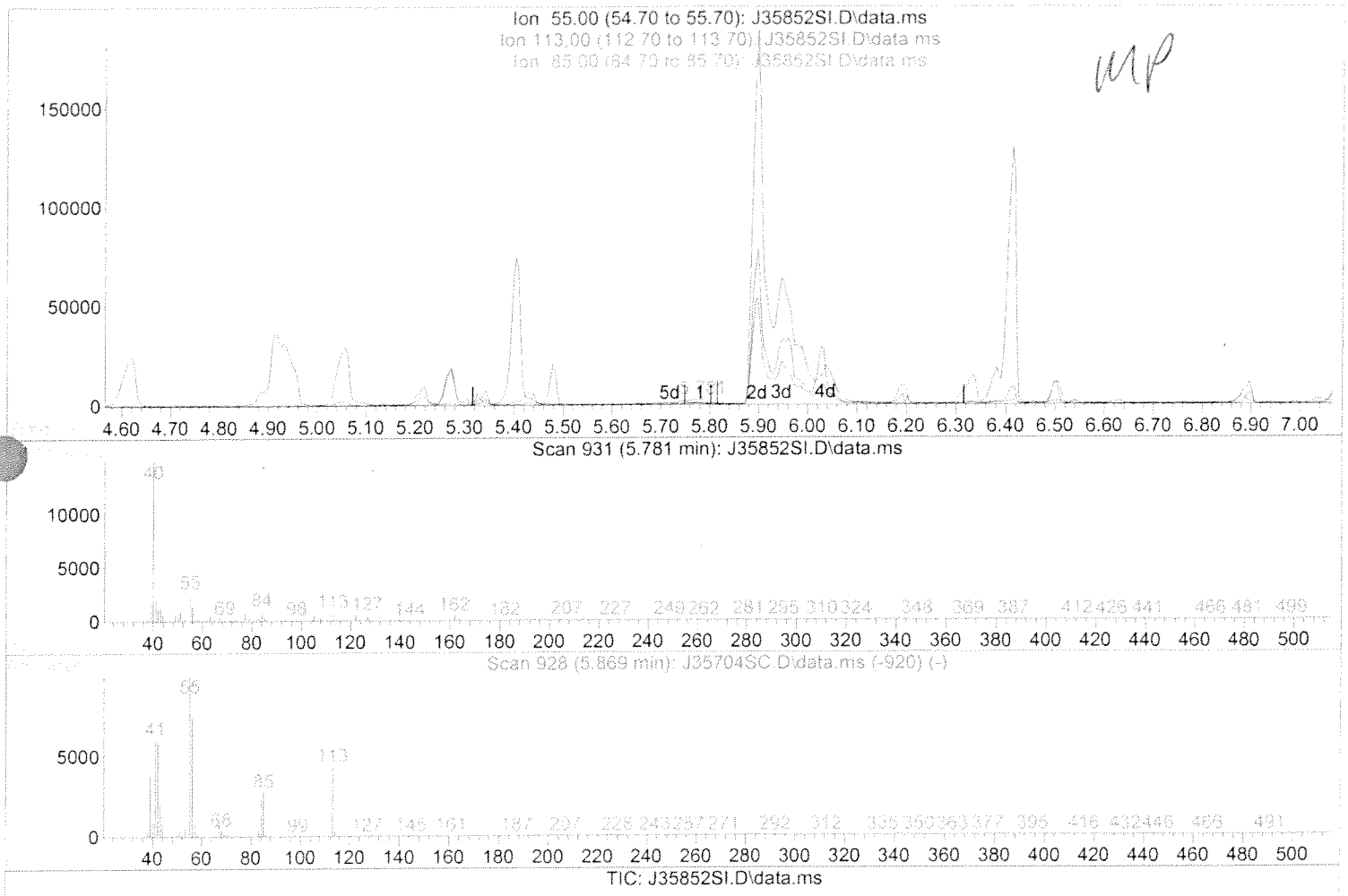
9/23/10





Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 20 21:57:35 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration



(24) CAPROLACTAM (TM)

5.781min (-0.036) 0.39ug/ml

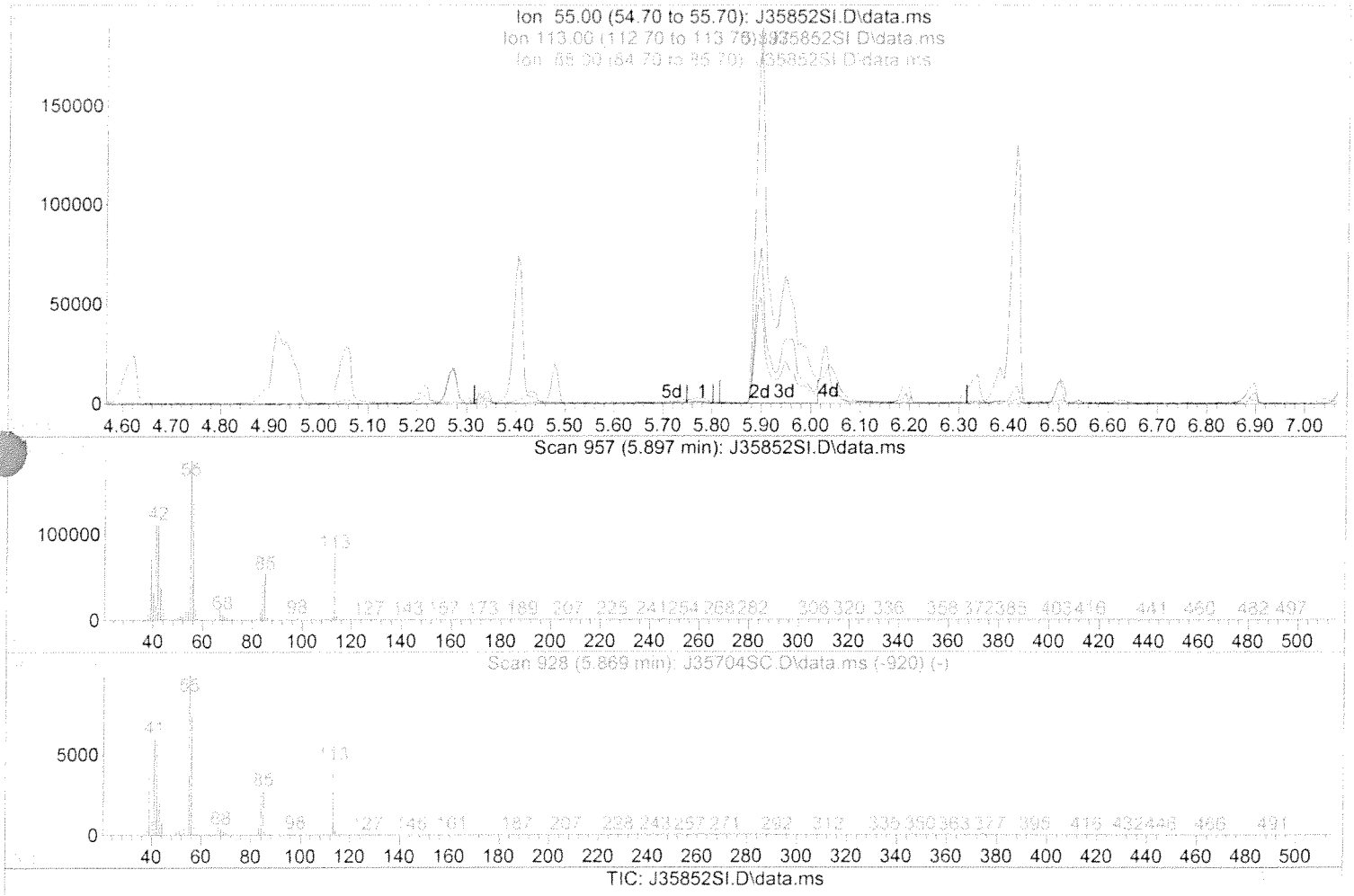
response 4332

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	0.00#
85.00	15.50	0.00#
0.00	0.00	0.00

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 20 21:57:35 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MN 9/23/10



(24) CAPROLACTAM (TM)

5.897min (+0.081) 42.45ug/ml m

response 473141

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	0.00#
85.00	15.50	0.00#
0.00	0.00	0.00

5270

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 20 22:02:10 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.033	152	416868	40.00 ug/ml	0.00
19) d8-Naphthalene	5.329	136	1279367	40.00 ug/ml	0.01
35) d10-Acenaphthene	7.043	164	729349	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.474	188	1175803	40.00 ug/ml	0.01
71) d12-Chrysene	11.018	240	1078785	40.00 ug/ml	0.01
79) d12-Perylene	12.482	264	1111750	40.00 ug/ml	0.01

System Monitoring Compounds					
4) 2-Fluorophenol	2.705	112	2292569	169.71 ug/ml	0.02
Spiked Amount 75.000	Range 28 - 110		Recovery = 226.28%#		
5) d5-Phenol	3.757	99	2498109	157.56 ug/ml	0.05
Spiked Amount 75.000	Range 22 - 110		Recovery = 210.08%#		
20) d5-nitrobenzene	4.636	82	1899391	155.58 ug/ml	0.03
Spiked Amount 50.000	Range 45 - 107		Recovery = 311.16%#		
39) 2-Fluorobiphenyl	6.426	172	3438043	131.59 ug/ml	0.02
Spiked Amount 50.000	Range 44 - 102		Recovery = 263.18%#		
60) 2,4,6-Tribromophenol	7.824	330	707940	161.09 ug/ml	0.02
Spiked Amount 75.000	Range 63 - 127		Recovery = 214.79%#		
73) d14-p-terphenyl	10.041	244	3494890	158.66 ug/ml	0.02
Spiked Amount 50.000	Range 33 - 132		Recovery = 317.32%#		

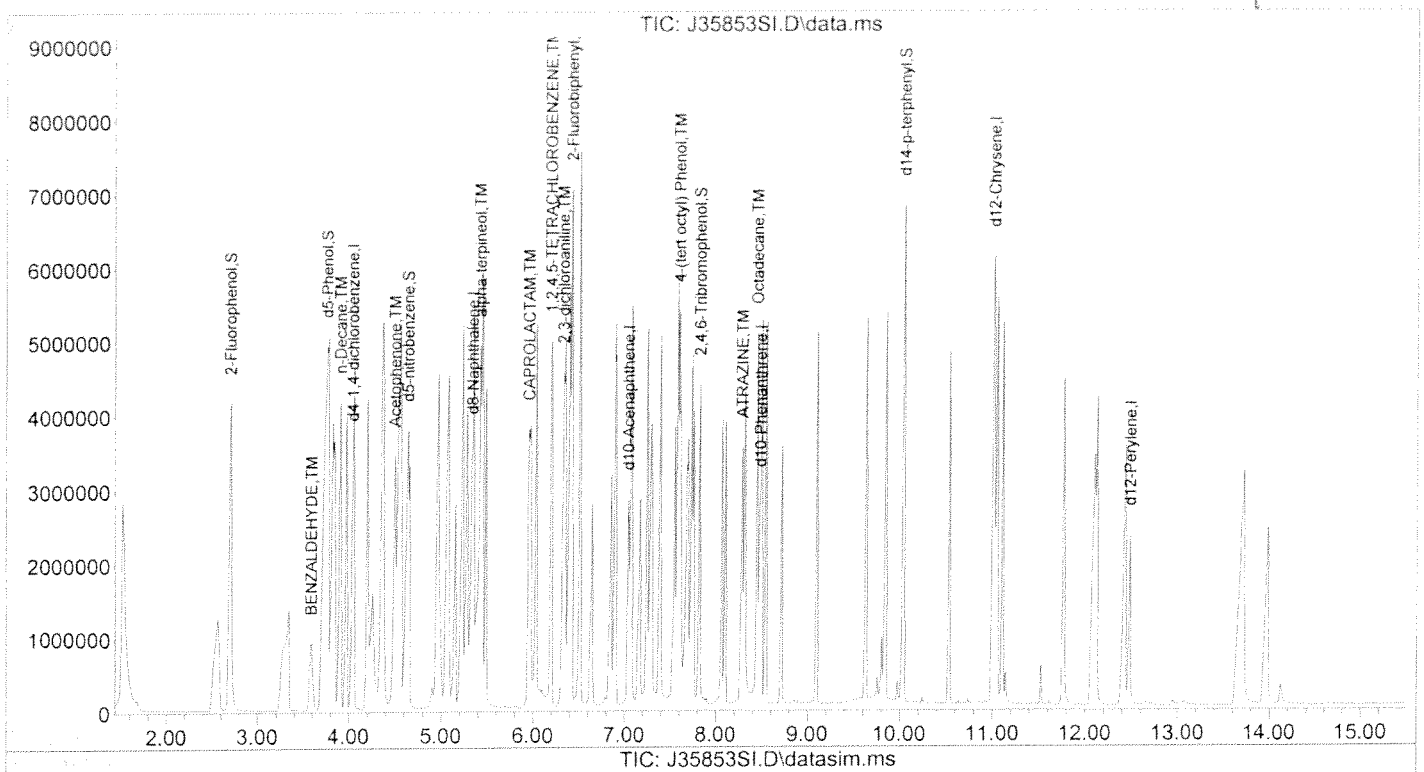
Target Compounds					Qvalue
2) BENZALDEHYDE	3.589	77	414056	52.77 ug/ml	100
3) n-Decane	3.907	57	1591946	76.51 ug/ml	97
6) Acetophenone	4.496	105	1612512	86.87 ug/ml	92
21) alpha-terpineol	5.418	93	402982	73.95 ug/ml	90
22) 2,3-dichloroaniline	6.323	161	1128868	72.55 ug/ml	100
24) CAPROLACTAM	5.951	55	726326m	72.59 ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.207	216	1013316	69.34 ug/ml	99
53) ATRAZINE	8.285	200	613446	73.18 ug/ml	99
59) 4-(tert octyl) Phenol	7.610	135	2658723	68.08 ug/ml	99
62) Octadecane	8.447	57	1311293	67.51 ug/ml	97

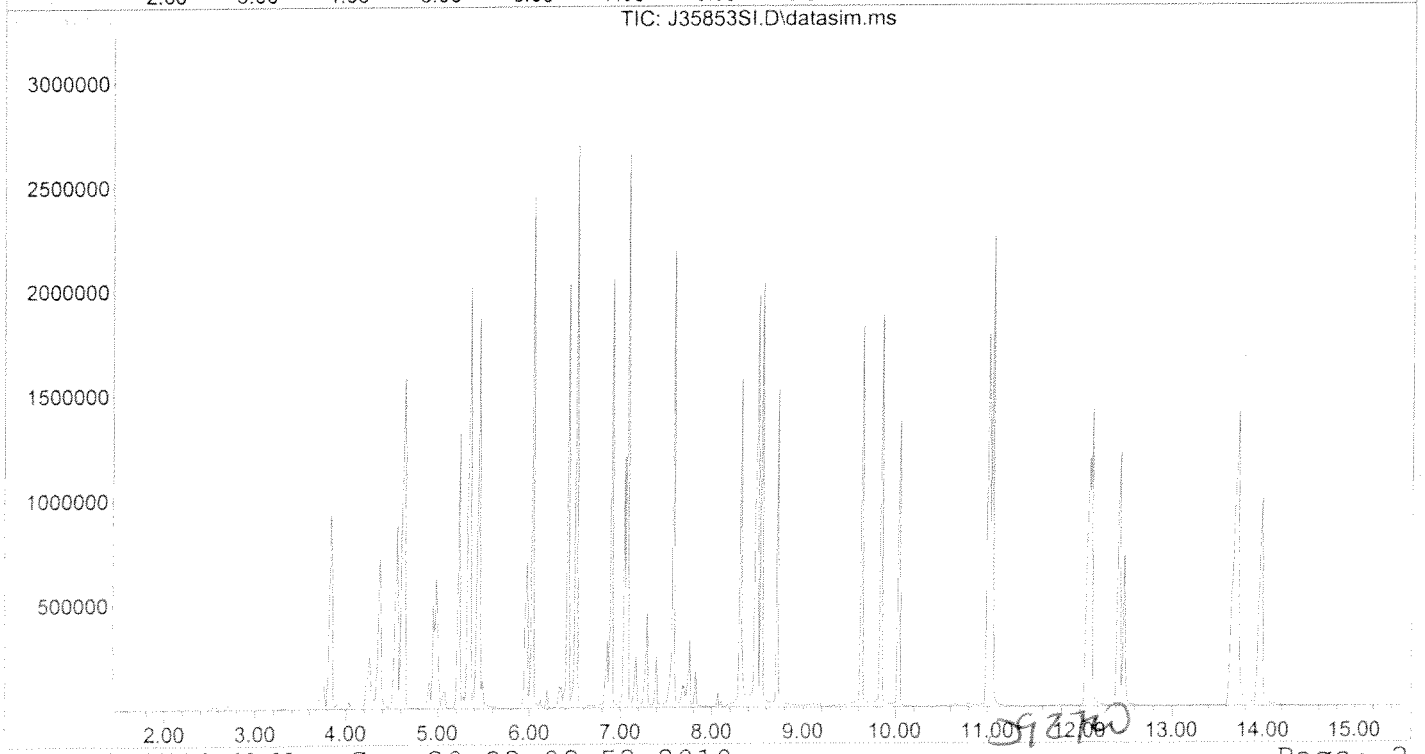
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 20 22:02:10 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

9/23/10

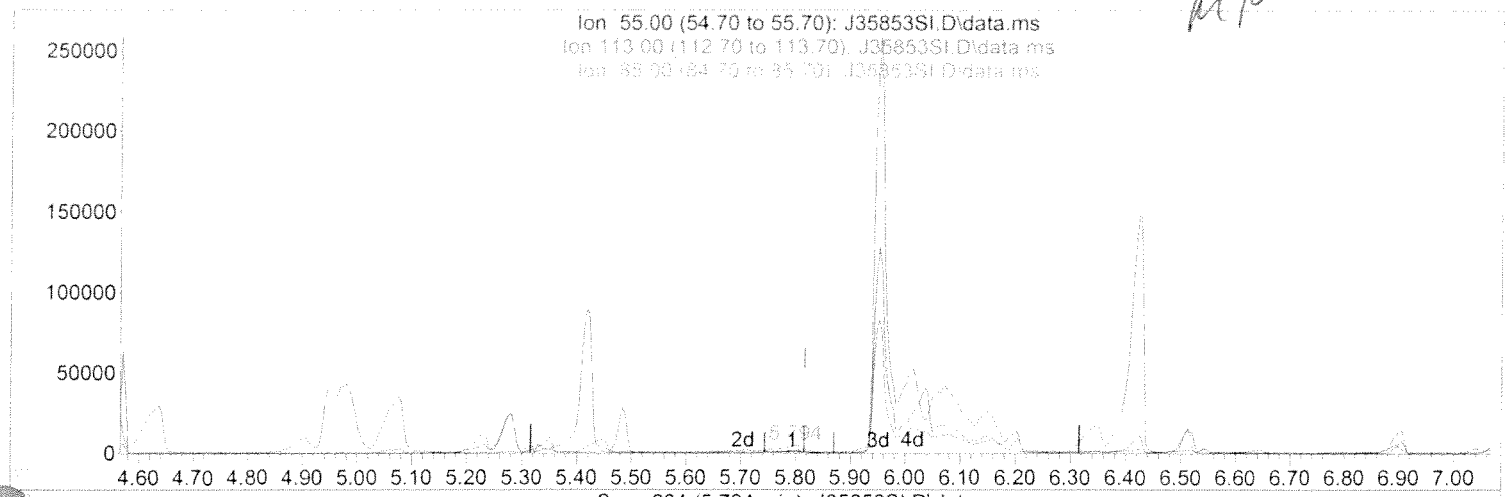


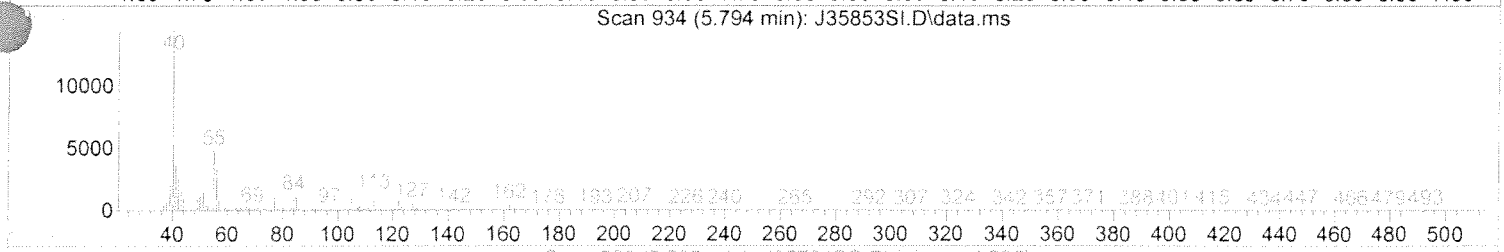


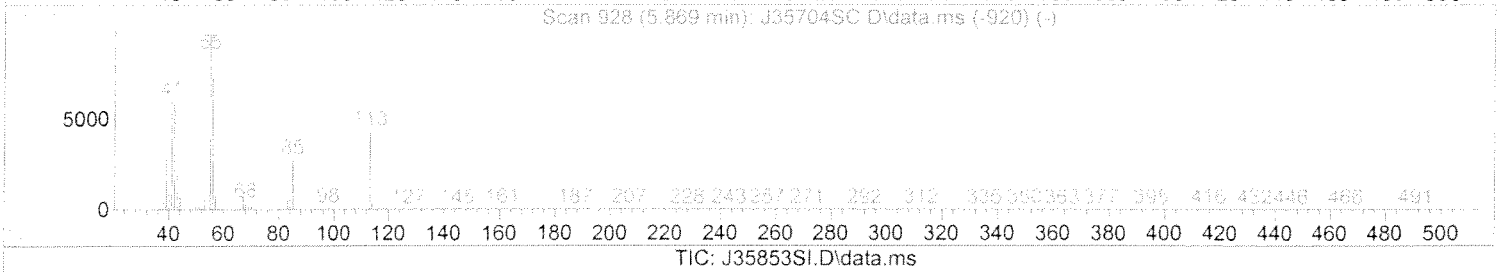
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 20 21:57:39 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MC
9/23/10
MP







TIC: J35853SI.D\data.ms

(24) CAPROLACTAM (TM)

5.794min (-0.022) 1.20ug/ml

response 12001

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	23.79
85.00	15.50	26.31#
0.00	0.00	0.00

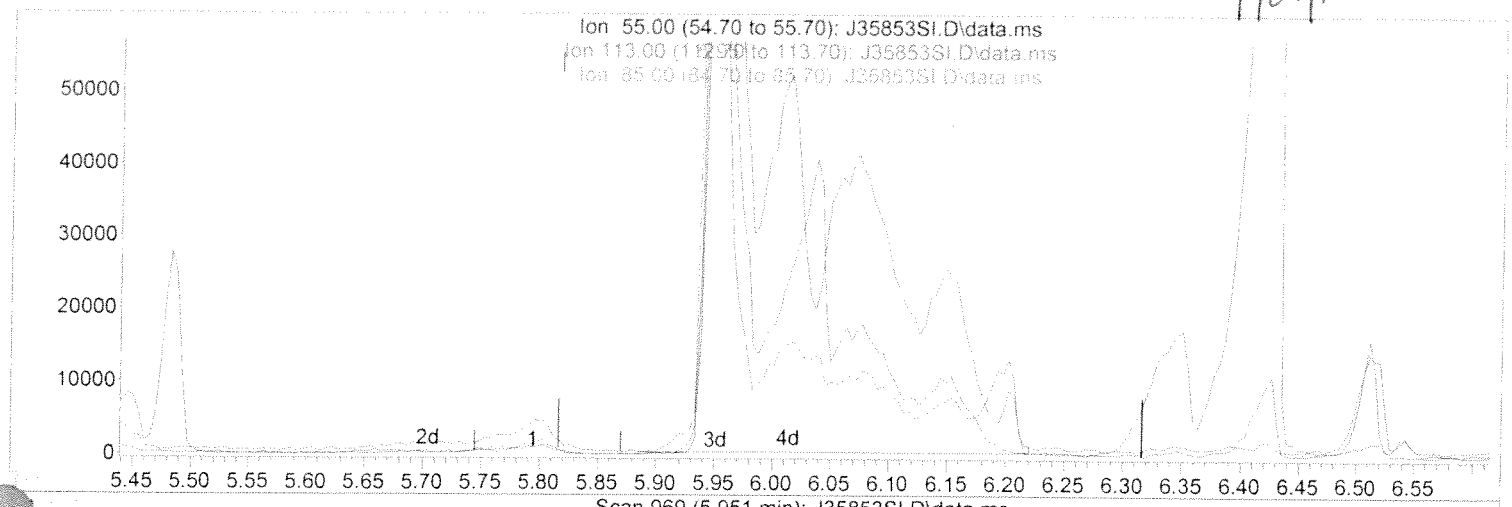
392210

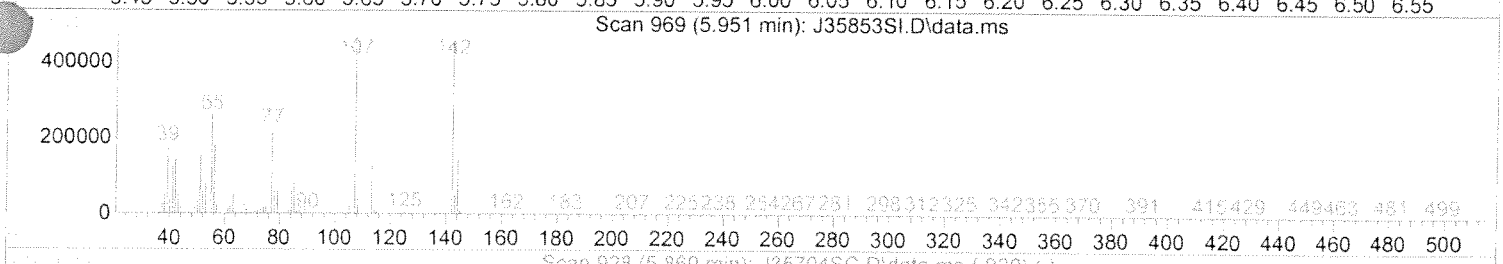
Quantitation Report (Qedit)

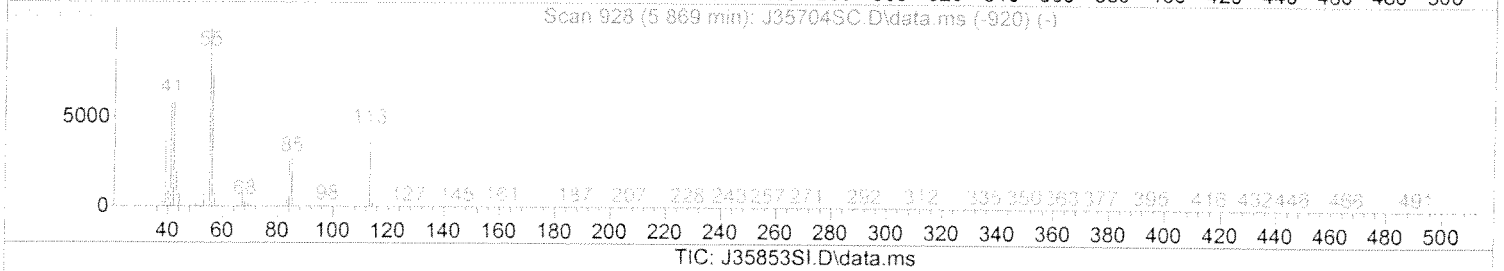
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 20 21:57:39 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

OK 9/23/10







TIC: J35853SI.D\data.ms

(24) CAPROLACTAM (TM)

5.951min (+0.134) 72.59ug/ml m

response 726326

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	0.39#
85.00	15.50	0.43#
0.00	0.00	0.00

>927W

DOD EXTRAS
ICV

Data File Name **J35854.D**
Date Acquired **9/18/2010 3:28**
Sample Name **S10120 20/40 ICV**

9/20/10

Name	UG/L Amount	UG/L EXPECTED	% RECOVERY	80-120%
Acetophenone	19.76	20	99%	OK
BENZALDEHYDE	22.77	20	114%	OK
CAPROLACTAM	20.68	20	103%	OK
1,2,4,5-TETRACHLOROBENZENE	18.76	20	94%	OK
ATRAZINE	19.67	20	98%	OK

342720

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 20 22:08:15 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 22:06:39 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.024	152	432827	40.00 ug/ml	0.00
19) d8-Naphthalene	5.315	136	1316767	40.00 ug/ml	0.00
35) d10-Acenaphthene	7.033	164	714707	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.461	188	1285330	40.00 ug/ml	0.00
71) d12-Chrysene	11.007	240	1254654	40.00 ug/ml	0.00
79) d12-Perylene	12.468	264	1156473	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	2.686	112	543904	42.94 ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 57.25%		
5) d5-Phenol	3.710	99	631725	42.75 ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 57.00%		
20) d5-nitrobenzene	4.604	82	460931	40.62 ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 81.24%		
39) 2-Fluorobiphenyl	6.404	172	959057	42.56 ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 85.12%		
60) 2,4,6-Tribromophenol	7.800	330	169461	44.33 ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 59.11%#		
73) d14-p-terphenyl	10.023	244	911518	39.85 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 79.70%		

Target Compounds					Qvalue
2) BENZALDEHYDE	3.575	77	186645	22.77 ug/ml	99
3) n-Decane	3.790	57	2710	0.14 ug/ml#	1
6) Acetophenone	4.459	105	343426	19.76 ug/ml	98
21) alpha-terpineol	5.418	93	3438	0.67 ug/ml#	1
22) 2,3-dichloroaniline	6.323	161	4268	0.30 ug/ml	89
24) CAPROLACTAM	5.817	55	185664m	20.68 ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.189	216	249232	18.76 ug/ml	100
53) ATRAZINE	8.253	200	146552	19.67 ug/ml	99
59) 4-(tert octyl) Phenol	7.644	135	1313	0.04 ug/ml#	1
62) Octadecane	8.704	57	2954	Below Cal #	50

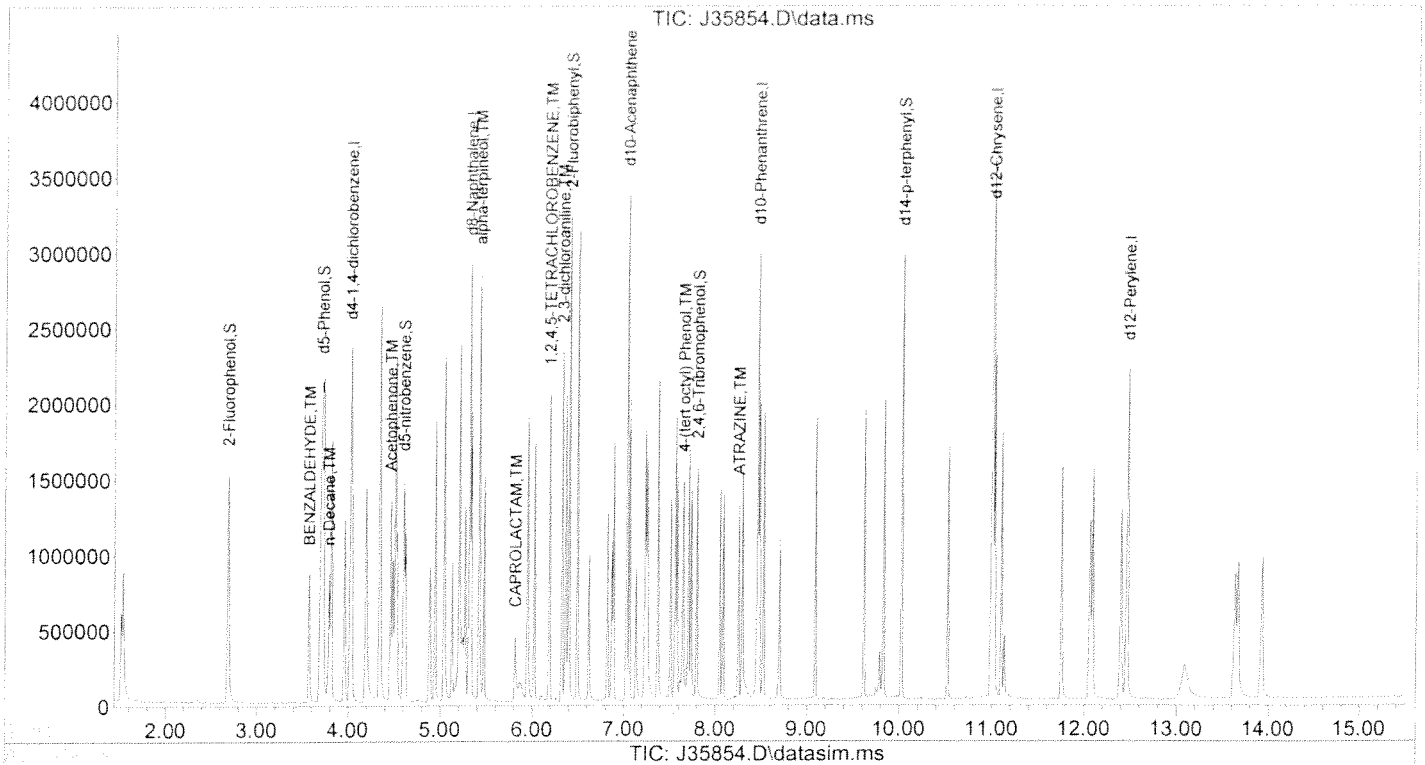
(#) = qualifier out of range (m) = manual integration (+) = signals summed

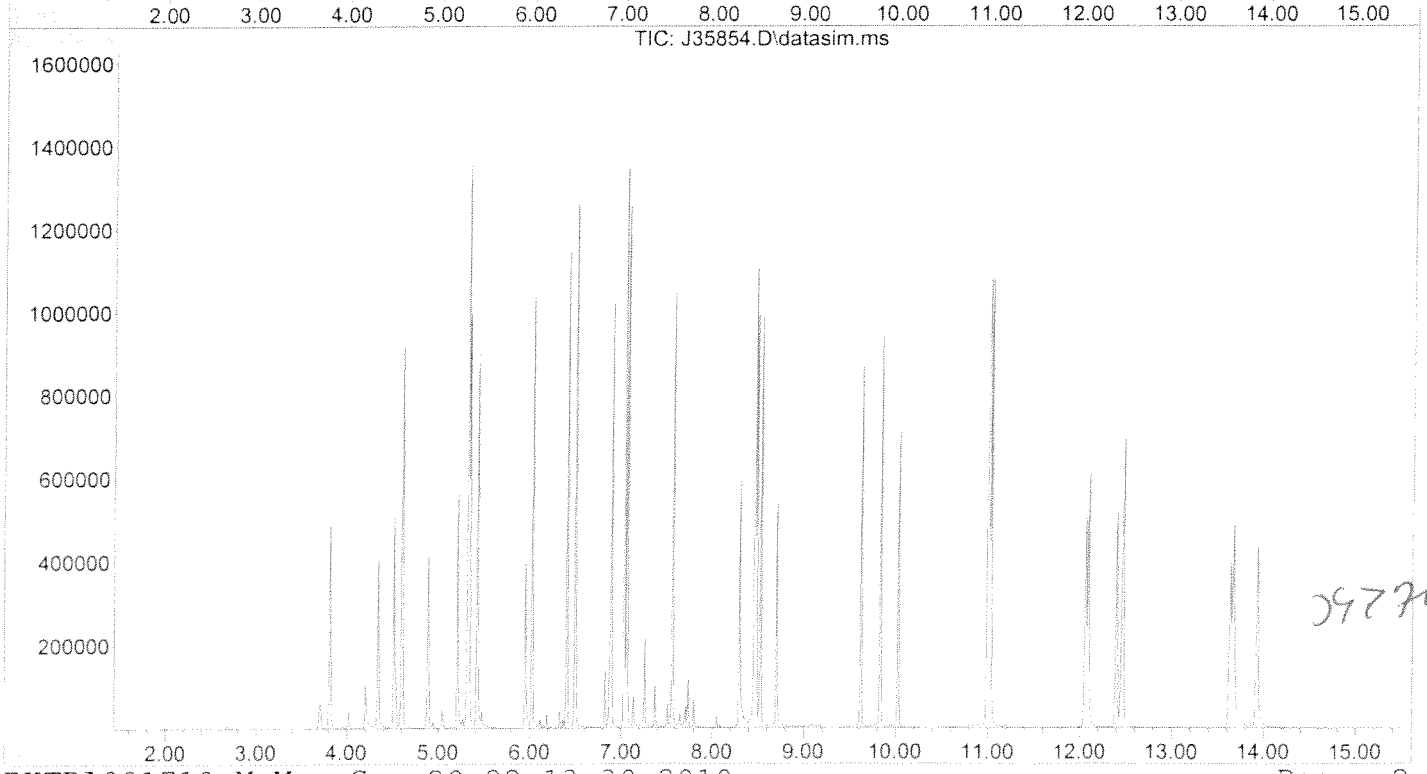
09270

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 20 22:08:15 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 22:06:39 2010
Response via : Initial Calibration

9/23/10

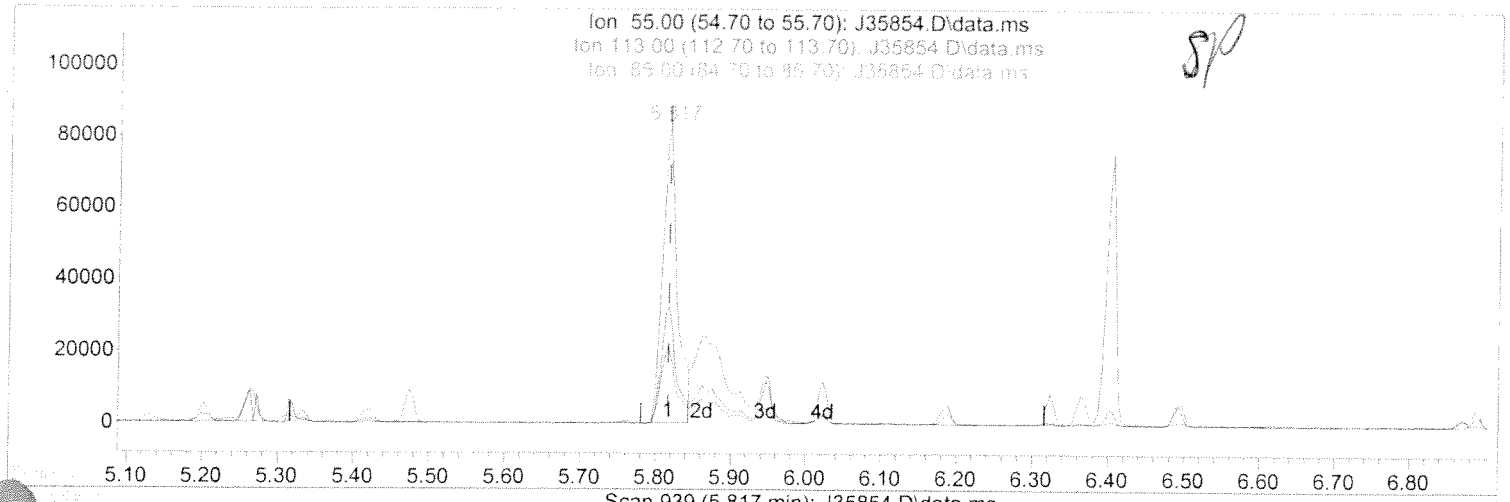




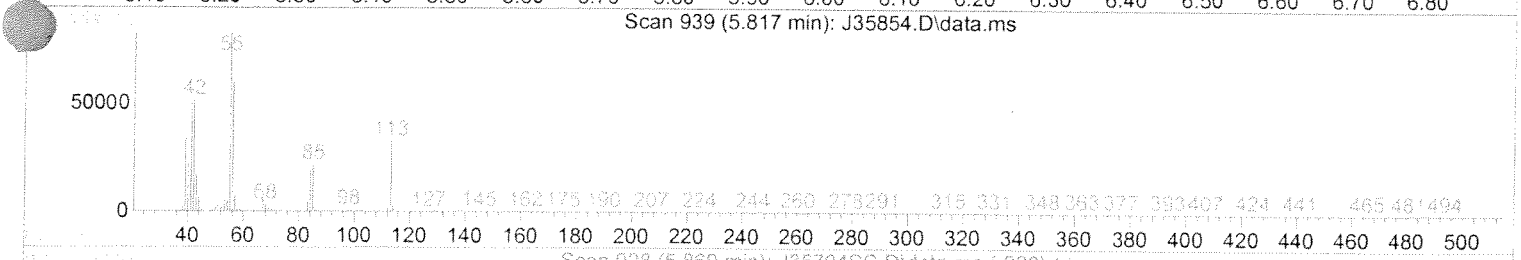
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

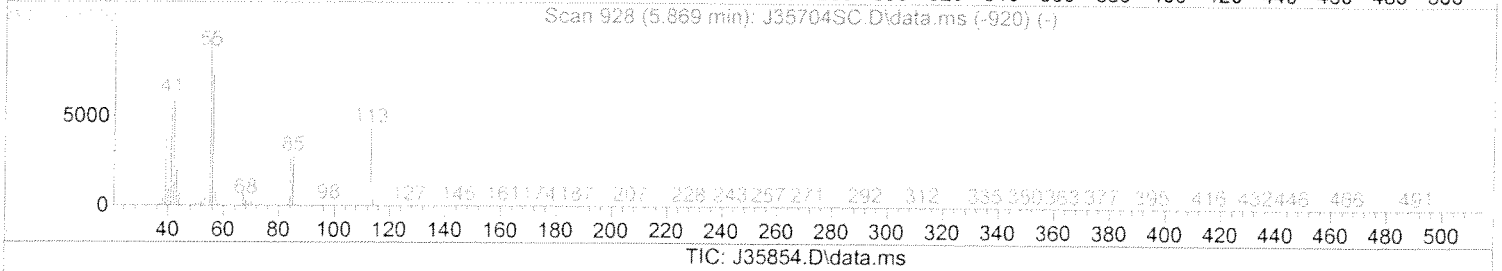
Quant Time: Sep 20 22:07:44 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 22:06:39 2010
Response via : Initial Calibration

MC
9/29/10



SP





TIC: J35854.D\data.ms

(24) CAPROLACTAM (TM)

5.817min (+0.000) 12.64ug/ml

response 113473

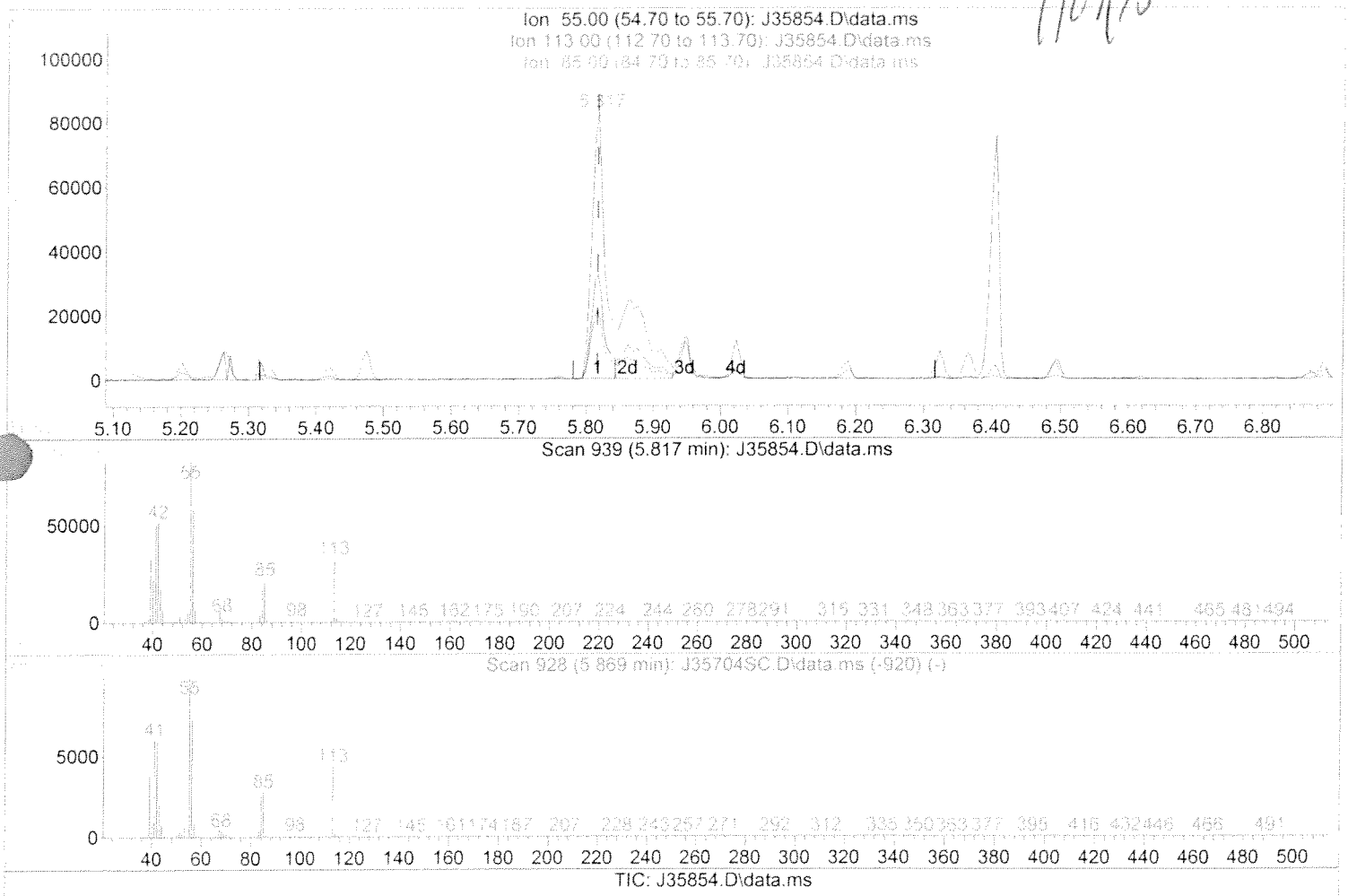
Ion	Exp%	Act%
55.00	100	100
113.00	22.60	41.80#
85.00	15.50	28.54#
0.00	0.00	0.00

39270

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 20 22:07:44 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 22:06:39 2010
Response via : Initial Calibration

9/23/10



(24) CAPROLACTAM (TM)

5.817min (+0.000) 20.68ug/ml m

response 185664

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	25.55
85.00	15.50	17.44
0.00	0.00	0.00

D9270

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

MC 10/17/10

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	d4-1,4-dichlorobenzene	1.000	1.000	0.0	83	0.00
2	TM	Pyridine	1.302	1.333	-2.4	83	0.00
3	TM	N-nitrosodimethylamine	0.708	0.742	-4.8	85	0.00
4	S	2-Fluorophenol	1.170	1.299	-11.0	89	0.00
5	S	d5-Phenol	1.365	1.524	-11.6	89	0.00
6	TM	Aniline	1.844	1.796	2.6	79	0.00
7	TMC	Phenol	1.400	1.502	-7.3	86	0.00
8	TM	2-Chlorophenol	1.228	1.302	-6.0	86	0.00
9	TM	bis(2-chloroethyl) ether	1.181	1.307	-10.7	88	0.00
10	TM	1,3-Dichlorobenzene	1.582	1.664	-5.2	85	0.00
11	TMC	1,4-Dichlorobenzene	1.514	1.616	-6.7	86	0.00
12	TM	1,2-Dichlorobenzene	1.531	1.624	~~-6.1~~ 82.0%	86	0.00
13	TM	Benzyl Alcohol	0.667	0.812	-21.7# ±20%	97	0.00
14	TM	2-Methylphenol	0.998	1.031	-3.3	82	0.00
15	TM	bis(2-chloroisopropyl)ether	2.471	2.586	-4.7	84	0.00
16	TM	3+4-Methylphenol	0.980	1.042	-6.3	83	0.00
17	TM	Hexachloroethane	0.508	0.536	-5.5	82	0.00
18	TMP	N-nitroso-di-n-propylamine	0.674	0.726	-7.7	83	0.00
19	I	d8-Naphthalene	1.000	1.000	0.0	83	0.00
20	S	d5-nitrobenzene	0.345	0.355	-2.9	85	0.00
21	TM	Nitrobenzene	0.193	0.193	0.0	83	0.00
22	TM	Isophorone	0.642	0.654	-1.9	84	0.00
23	TCM	2-Nitrophenol	0.228	0.244	-7.0	85	0.00
24	TM	2,4-Dimethylphenol	0.372	0.374	-0.5	82	0.00
25	TM	Bis(2-chloroethoxy)methane	0.436	0.444	-1.8	82	0.00
26	TCM	2,4-Dichlorophenol	0.344	0.369	-7.3	87	0.00
27	TM	Benzoic Acid	0.186	0.287	Edrift ~~-54.3#~~	122	0.02
28	TM	1,2,4-Trichlorobenzene	0.416	0.425	-2.2	85	0.00
29	TM	Naphthalene	1.061	1.100	-3.7	84	0.00
30	T	2,6-Dichlorophenol	0.308	0.331	-7.5	88	0.00
31	TM	4-Chloroaniline	0.452	0.478	-5.8	83	0.00
32	TCM	Hexachlorobutadiene	0.242	0.257	-6.2	85	0.00
33	TMC	4-Chloro-3-methylphenol	0.301	0.313	-4.0	83	0.00
34	TM	2-Methylnaphthalene	0.636	0.675	-6.1	84	0.00
35	I	d10-Acenaphthene	1.000	1.000	0.0	86	0.00
36	TPM	Hexachlorocyclopentadiene	0.354	0.402	-13.6	85	0.00
37	TCM	2,4,6-Trichlorophenol	0.421	0.453	-7.6	88	0.00

10/18/10

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TM	2,4,5-Trichlorophenol	0.481	0.513	-6.7	86	0.00
39	S	2-Fluorobiphenyl	1.280	1.353	-5.7	88	0.00
40	TM	2-Chloronaphthalene	1.172	1.186	-1.2	85	0.00
41	TM	2-Nitroaniline	0.524	0.518	1.1	80	0.00
42	TM	2,6-Dinitrotoluene	0.335	0.352	-5.1	82	0.00
43	TM	Dimethyl Phthalate	1.517	1.580	-4.2	85	0.00
44	TM	Acenaphthylene	1.887	1.915	-1.5	84	0.00
45	TM	3-Nitroaniline	0.295	0.247	16.3	75	0.00
✓ 46	TMC	Acenaphthene	1.187	1.246	-5.0	88	0.00
✓ 47	TPM	2,4-dinitrophenol	0.152	0.214	Sdrift ~~-40.8#~~	101	0.00
48	TM	Dibenzofuran	1.930	2.026	-5.0	87	0.00
✓ 49	TMP	4-Nitrophenol	0.158	0.177	-12.0	86	0.00
50	TM	2,4-Dinitrotoluene	0.426	0.450	-5.6	87	0.00
51	T	2,3,4,6-Tetrachlorophenol	0.387	0.422	-9.0	90	0.00
52	TM	Fluorene	1.421	1.458	-2.6	88	0.00
53	TM	Diethyl Phthalate	1.433	1.508	-5.2	87	0.00
54	TM	4-Chlorophenyl phenyl ethe	0.708	0.742	-4.8	88	0.00
55	TM	4-Nitroaniline	0.271	0.287	-5.9	88	0.00
✓ 56	TM	4,6-Dinitro-2-methylphenol	0.246	0.300	Sdrift ~~-22.0#~~	92	0.00
✓ 57	TCM	n-nitrosodiphenylamine	1.030	1.075	-4.4	87	0.00
58	TM	Azobenzene	1.230	1.318	-7.2	92	0.00
59	TM	Biphenyl	1.415	1.478	-4.5	86	0.00
60	S	2,4,6-Tribromophenol	0.215	0.244	-13.5	95	0.00
61	I	d10-Phenanthrene	1.000	1.000	0.0	85	0.00
62	TM	4-bromophenyl phenyl ether	0.265	0.292	-10.2	92	0.00
63	TM	Hexachlorobenzene	0.283	0.295	-4.2	90	0.00
✓ 64	TMC	Pentachlorophenol	0.168	0.187	-11.3	91	0.00
65	TM	Phenanthrene	1.161	1.264	-8.9	93	0.00
66	TM	Anthracene	1.193	1.148	3.8	81	0.00
67	TM	Carbazole	0.806	0.644	Sdrift ~~-20.1#~~	78	0.00
68	TM	Di-n-butyl phthalate	1.411	1.309	7.2	78	0.00
✓ 69	TCM	Fluoranthene	1.291	1.239	4.0	82	0.00
70	TM	Benzidine	0.215	0.140	Est. 34.9#	45#	0.00
71	I	d12-Chrysene	1.000	1.000	0.0	83	0.00
72	TM	Pyrene	1.332	1.338	-0.5	83	0.00
73	S	d14-p-terphenyl	0.728	0.731	-0.4	85	0.00
74	TM	Butyl benzyl phthalate	0.635	0.645	-1.6	82	0.00

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
75	TM	Benzo[a]anthracene	1.117	1.088	2.6	82	0.00
76	TM	Chrysene	1.117	1.160	-3.8	86	0.00
77	TM	3,3'-Dichlorobenzidine	0.293	0.254	13.3	75	0.00
78	TM	Bis (2-ethylhexyl) phthalat	0.814	0.822	-1.0	82	0.00
79	I	d12-Perylene	1.000	1.000	0.0	83	0.00
80	TCM	di-n-octyl-phthalate	1.505	1.557	-3.5	84	0.00
81	TM	Benzo[b] fluoranthene	1.210	1.160	4.1	86	0.00
82	TM	Benzo[k] fluoranthene	1.096	1.195	-9.0	84	0.00
83	TCM	Benzo[a] pyrene	1.162	1.177	-1.3	84	0.00
84	TM	Indeno [1,2,3-cd] pyrene	0.964	0.903	6.3	79	-0.01
85	TM	Dibenz [a,h] anthracene	0.984	0.993	-0.9	85	0.00
86	TM	Benzo(g,h,i) perylene	1.053	1.074	-2.0	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

PN 10/17/10

1=AVERAGE RF	Data File Name	J36195SC.D
0=LINEAR	Date Acquired	10/15/2010 4:13
3=QUADRATIC	Sample Name	S10156 20/40

METHOD: C:\msdchem\1\METHODS\ABN091710.M

CAL FIT	Name	ug/mL Amount	ug/mL Expected	% DRIFT		<20%
1	Pyridine	20.47	20	2.4%	NA	OK
1	N-nitrosodimethylamine	20.96	20	4.8%	NA	OK
1	2-Fluorophenol	44.43	40	11.1%	NA	OK
1	d5-Phenol	44.66	40	11.7%	NA	OK
1	Aniline	19.48	20	2.6%	NA	OK
1	Phenol	42.89	40	7.2%	NA	OK
1	2-Chlorophenol	42.41	40	6.0%	NA	OK
1	bis(2-chloroethyl) ether	22.12	20	10.6%	NA	OK
1	1,3-Dichlorobenzene	21.04	20	5.2%	NA	OK
1	1,4-Dichlorobenzene	21.35	20	6.8%	NA	OK
1	1,2-Dichlorobenzene	21.22	20	6.1%	NA	OK
1	Benzyl Alcohol	24.35	20	21.8%	NA	* ±30
1	2-Methylphenol	41.32	40	3.3%	NA	OK
3	bis(2-chloroisopropyl)ether	22.32	20	11.6%		OK
1	3+4-Methylphenol	42.55	40	6.4%	NA	OK RR any hits
3	Hexachloroethane	23.51	20	17.5%		OK
1	N-nitroso-di-n-propylamine	21.55	20	7.7%	NA	OK
1	d5-nitrobenzene	41.13	40	2.8%	NA	OK
1	Nitrobenzene	20.00	20	0.0%	NA	OK
1	Isophorone	20.38	20	1.9%	NA	OK
1	2-Nitrophenol	42.82	40	7.0%	NA	OK
1	2,4-Dimethylphenol	40.17	40	0.4%	NA	OK
1	Bis(2-chloroethoxy)methane	20.36	20	1.8%	NA	OK
1	2,4-Dichlorophenol	42.94	40	7.3%	NA	OK
3	Benzoic Acid	53.12	40	32.8%		* RR any w/hit
1	1,2,4-Trichlorobenzene	20.43	20	2.1%	NA	OK
1	Naphthalene	20.74	20	3.7%	NA	OK
1	2,6-Dichlorophenol	43.07	40	7.7%	NA	OK
3	4-Chloroaniline	21.30	20	6.5%		OK
1	Hexachlorobutadiene	21.21	20	6.1%	NA	OK
1	4-Chloro-3-methylphenol	41.60	40	4.0%	NA	OK
1	2-Methylnaphthalene	21.24	20	6.2%	NA	OK
3	Hexachlorocyclopentadiene	19.71	20	1.4%		OK
1	2,4,6-Trichlorophenol	43.10	40	7.8%	NA	OK
1	2,4,5-Trichlorophenol	42.63	40	6.6%	NA	OK
3	2-Fluorobiphenyl	43.02	40	7.6%		OK
3	2-Chloronaphthalene	20.71	20	3.5%		OK
1	2-Nitroaniline	19.78	20	1.1%	NA	OK
1	2,6-Dinitrotoluene	21.07	20	5.4%	NA	OK
1	Dimethyl Phthalate	20.83	20	4.1%	NA	OK

1	Acenaphthylene	20.30	20	1.5%	NA	OK
1	3-Nitroaniline	16.74	20	16.3%	NA	OK
1	Acenaphthene	21.00	20	5.0%	NA	OK
3	2,4-dinitrophenol	43.19	40	8.0%		OK
1	Dibenzofuran	20.99	20	5.0%	NA	OK
1	4-Nitrophenol	44.77	40	11.9%	NA	OK
1	2,4-Dinitrotoluene	21.11	20	5.5%	NA	OK
1	2,3,4,6-Tetrachlorophenol	43.66	40	9.1%	NA	OK
1	Fluorene	20.51	20	2.6%	NA	OK
1	Diethyl Phthalate	21.04	20	5.2%	NA	OK
3	4-Chlorophenyl phenyl ether	20.61	20	3.0%		OK
3	4-Nitroaniline	18.50	20	7.5%		OK
3	4,6-Dinitro-2-methylphenol	42.16	40	5.4%		OK
1	n-nitrosodiphenylamine	20.89	20	4.4%	NA	OK
1	Azobenzene	21.43	20	7.1%	NA	OK
3	Biphenyl	21.54	20	7.7%		OK
1	2,4,6-Tribromophenol	45.36	40	13.4%	NA	OK
1	4-bromophenyl phenyl ether	22.09	20	10.5%	NA	OK
1	Hexachlorobenzene	20.82	20	4.1%	NA	OK
1	Pentachlorophenol	44.49	40	11.2%	NA	OK
1	Phenanthrene	21.78	20	8.9%	NA	OK
1	Anthracene	19.24	20	3.8%	NA	OK
3	Carbazole	18.59	20	7.1%		OK
1	Di-n-butyl phthalate	18.55	20	7.2%	NA	OK
1	Fluoranthene	19.20	20	4.0%	NA	OK
1	Benzidine	13.03	20	34.9%	NA	* Est.
1	Pyrene	20.10	20	0.5%	NA	OK
1	d14-p-terphenyl	40.19	40	0.5%	NA	OK
1	Butyl benzyl phthalate	20.30	20	1.5%	NA	OK
1	Benzo[a]anthracene	19.47	20	2.6%	NA	OK
1	Chrysene	20.76	20	3.8%	NA	OK
1	3,3'-Dichlorobenzidine	17.34	20	13.3%	NA	OK
1	Bis (2-ethylhexyl) phthalate	20.20	20	1.0%	NA	OK
1	di-n-octyl-phthalate	20.69	20	3.5%	NA	OK
1	Benzo[b] fluoranthene	19.18	20	4.1%	NA	OK
3	Benzo[k] fluoranthene	20.65	20	3.2%		OK
1	Benzo[a] pyrene	20.26	20	1.3%	NA	OK
1	Indeno [1,2,3-cd] pyrene	18.74	20	6.3%	NA	OK
1	Dibenz [a,h] anthracene	20.19	20	0.9%	NA	OK
1	Benzo(g,h,i) perylene	20.40	20	2.0%	NA	OK

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

PM 10/17/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	380066	40.00 ug/ml	0.00
19) d8-Naphthalene	5.260	136	1149608	40.00 ug/ml	0.00
35) d10-Acenaphthene	6.981	164	676907	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.408	188	1172543	40.00 ug/ml	0.00
71) d12-Chrysene	10.952	240	1146151	40.00 ug/ml	0.00
79) d12-Perylene	12.397	264	1063277	40.00 ug/ml	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	2.599	112	493750	44.43 ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 59.24%		
5) d5-Phenol	3.651	99	579399	44.66 ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 59.55%		
20) d5-nitrobenzene	4.549	82	408091	41.13 ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 82.26%		
39) 2-Fluorobiphenyl	6.351	172	915873	43.02 ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 86.04%		
60) 2,4,6-Tribromophenol	7.748	330	165209	45.36 ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 60.48%		
73) d14-p-terphenyl	9.970	244	838266	40.19 ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 80.38%		

Target Compounds					Qvalue
2) Pyridine	1.439	79	253277	20.47 ug/ml	95
3) N-nitrosodimethylamine	1.416	74	141074	20.96 ug/ml	100
6) Aniline	3.632	93	341374	19.48 ug/ml	99
7) Phenol	3.665	94	570701	42.89 ug/ml	99
8) 2-Chlorophenol	3.749	128	494850	42.41 ug/ml	100
9) bis(2-chloroethyl) ether	3.726	63	248282	22.12 ug/ml	95
10) 1,3-Dichlorobenzene	3.899	146	316305	21.04 ug/ml	98
11) 1,4-Dichlorobenzene	3.979	146	307071	21.35 ug/ml	99
12) 1,2-Dichlorobenzene	4.128	146	308636	21.22 ug/ml	97
13) Benzyl Alcohol	4.147	108	154292	24.35 ug/ml	100
14) 2-Methylphenol	4.287	108	391897	41.32 ug/ml	98
15) bis(2-chloroisopropyl)...	4.287	45	491424	22.32 ug/ml	100
16) 3+4-Methylphenol	4.460	108	396082	42.55 ug/ml	97
17) Hexachloroethane	4.470	117	101887	23.51 ug/ml	99
18) N-nitroso-di-n-propyla...	4.428	70	137947	21.55 ug/ml	96
21) Nitrobenzene	4.568	123	110766	20.00 ug/ml	99
22) Isophorone	4.835	82	376059	20.38 ug/ml	99
23) 2-Nitrophenol	4.891	139	281045	42.82 ug/ml	99
24) 2,4-Dimethylphenol	4.989	107	429716	40.17 ug/ml	100
25) Bis(2-chloroethoxy)met...	5.073	93	255063	20.36 ug/ml	99
26) 2,4-Dichlorophenol	5.153	162	424012	42.94 ug/ml	100

319813

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.223	105	329898	53.12 ug/ml	99
28) 1,2,4-Trichlorobenzene	5.213	180	244404	20.43 ug/ml	98
29) Naphthalene	5.279	128	632410	20.74 ug/ml	100
30) 2,6-Dichlorophenol	5.372	162	380679	43.07 ug/ml	99
31) 4-Chloroaniline	5.368	127	274773	21.30 ug/ml	99
32) Hexachlorobutadiene	5.424	225	147709	21.21 ug/ml	99
33) 4-Chloro-3-methylphenol	5.899	107	360040	41.60 ug/ml	99
34) 2-Methylnaphthalene	5.971	141	388219	21.24 ug/ml	97
36) Hexachlorocyclopentadiene	6.132	237	136061	19.71 ug/ml	100
37) 2,4,6-Trichlorophenol	6.275	196	306949	43.10 ug/ml	99
38) 2,4,5-Trichlorophenol	6.316	196	346973	42.63 ug/ml	96
40) 2-Chloronaphthalene	6.445	162	401483	20.71 ug/ml	98
41) 2-Nitroaniline	6.571	138	175289	19.78 ug/ml	95
42) 2,6-Dinitrotoluene	6.821	165	119298	21.07 ug/ml	100
43) Dimethyl Phthalate	6.773	163	534858	20.83 ug/ml	99
44) Acenaphthylene	6.836	152	648206	20.30 ug/ml	100
45) 3-Nitroaniline	6.986	138	83621	16.74 ug/ml	96
46) Acenaphthene	7.010	153	421772	21.00 ug/ml	99
47) 2,4-dinitrophenol	7.088	184	144995	43.19 ug/ml	98
48) Dibenzofuran	7.180	168	685843	20.99 ug/ml	93
49) 4-Nitrophenol	7.200	109	119768	44.77 ug/ml	97
50) 2,4-Dinitrotoluene	7.209	165	152249	21.11 ug/ml	98
51) 2,3,4,6-Tetrachlorophenol	7.321	232	285563	43.66 ug/ml	99
52) Fluorene	7.510	166	493436	20.51 ug/ml	100
53) Diethyl Phthalate	7.462	149	510301	21.04 ug/ml	93
54) 4-Chlorophenyl phenyl ...	7.534	204	250984	20.61 ug/ml	99
55) 4-Nitroaniline	7.578	138	97134m	18.50 ug/ml	
56) 4,6-Dinitro-2-methylph...	7.602	198	203347	42.16 ug/ml	98
57) n-nitrosodiphenylamine	7.656	169	363890	20.89 ug/ml	99
58) Azobenzene	7.685	77	445921	21.43 ug/ml	93
59) Biphenyl	6.441	154	500082	21.54 ug/ml	99
62) 4-bromophenyl phenyl e...	7.998	248	171398	22.09 ug/ml	99
63) Hexachlorobenzene	8.034	284	172984	20.82 ug/ml	98
64) Pentachlorophenol	8.246	266	218995	44.49 ug/ml	97
65) Phenanthrene	8.430	178	741253	21.78 ug/ml	100
66) Anthracene	8.475	178	672843	19.24 ug/ml	100
67) Carbazole	8.651	167	377430	18.59 ug/ml#	94
68) Di-n-butyl phthalate	9.038	149	767626	18.55 ug/ml	99
69) Fluoranthene	9.566	202	726470	19.20 ug/ml	99
70) Benzidine	9.739	184	82091	13.03 ug/ml#	97
72) Pyrene	9.775	202	766981	20.10 ug/ml	98
74) Butyl benzyl phthalate	10.472	149	369424	20.30 ug/ml	100
75) Benzo[a]anthracene	10.937	228	623446	19.47 ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

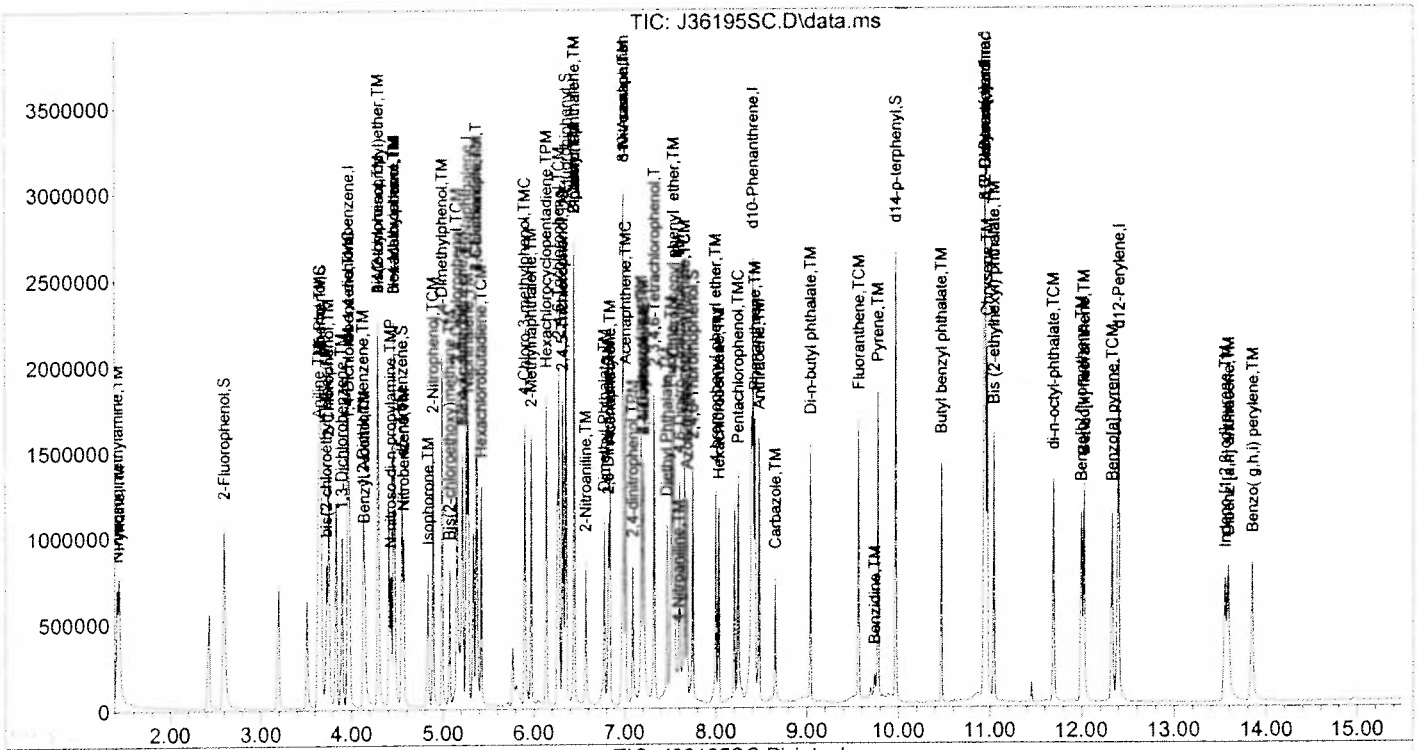
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	10.971	228	664591	20.76 ug/ml	100
77) 3,3'-Dichlorobenzidine	10.944	252	145479	17.34 ug/ml	99
78) Bis (2-ethylhexyl) pht...	11.046	149	471305	20.20 ug/ml	100
80) di-n-octyl-phthalate	11.690	149	827780	20.69 ug/ml	99
81) Benzo[b] fluoranthene	11.993	252	616812	19.18 ug/ml	98
82) Benzo[k] fluoranthene	12.022	252	635371	20.65 ug/ml	99
83) Benzo[a] pyrene	12.328	252	625565	20.26 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	13.550	276	480184m	18.74 ug/ml	
85) Dibenz [a,h] anthracene	13.586	278	527951	20.19 ug/ml	99
86) Benzo(g,h,i) perylene	13.846	276	571080	20.40 ug/ml	99

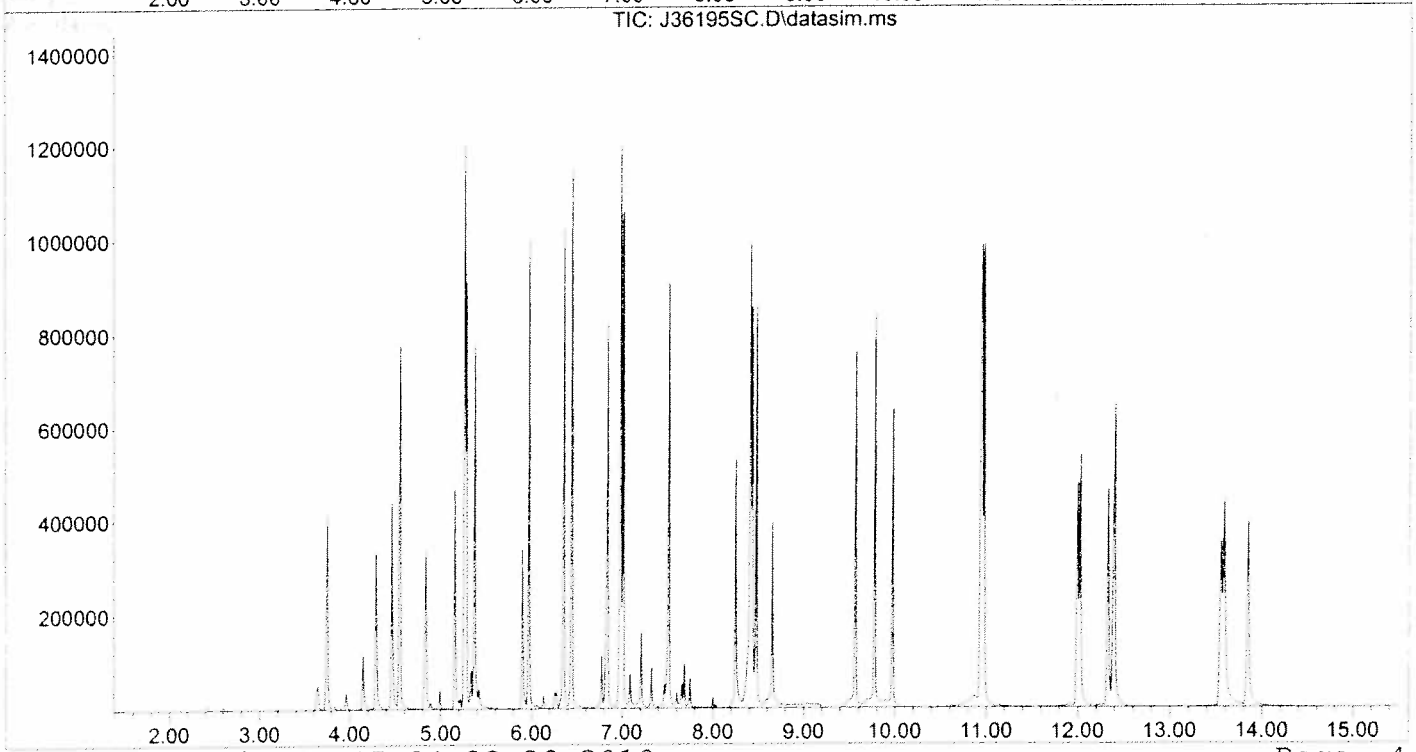
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration



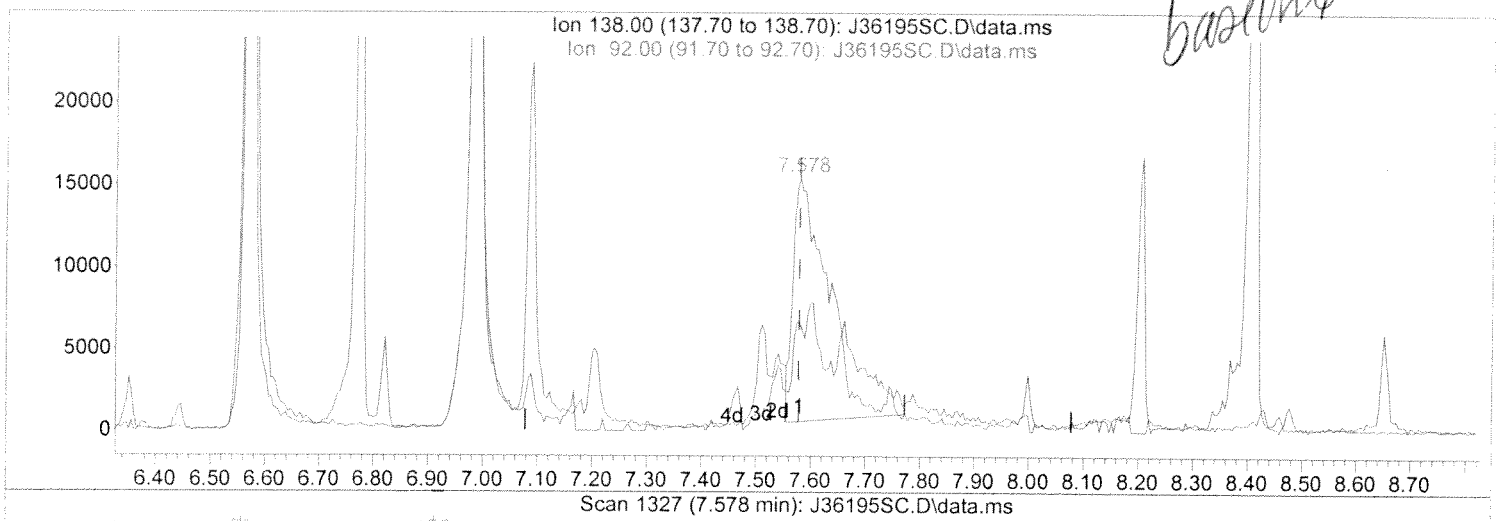


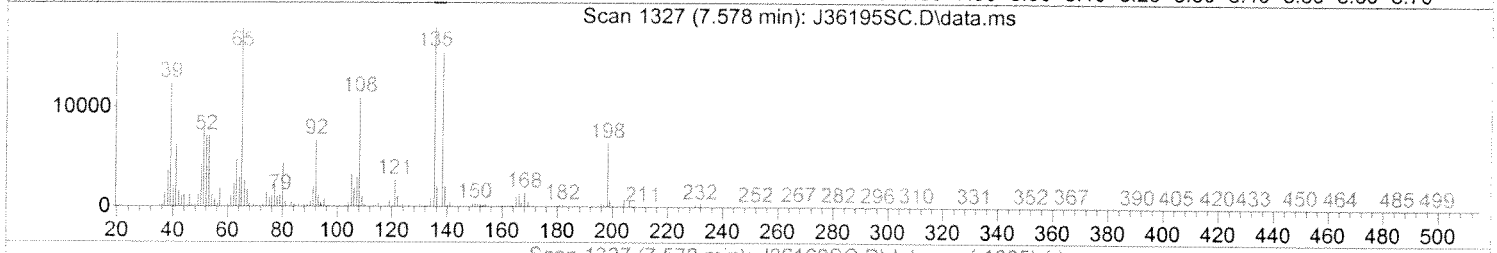
Quantitation Report (Qedit)

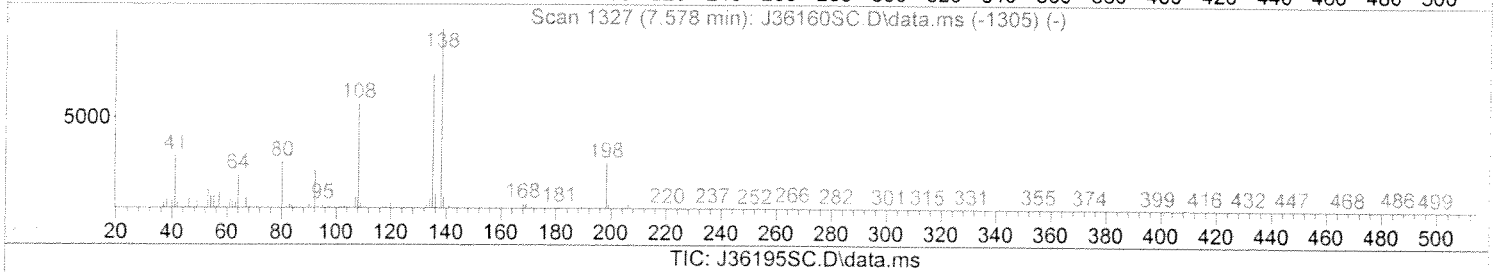
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:11 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

MC 10/17/10 baseline







TIC: J36195SC.D\data.ms

(55) 4-Nitroaniline (TM)

7.578min (-0.000) 15.02ug/ml

response 77122

Ion	Exp%	Act%
138.00	100	100
92.00	9.90	11.98#
0.00	0.00	0.00
0.00	0.00	0.00

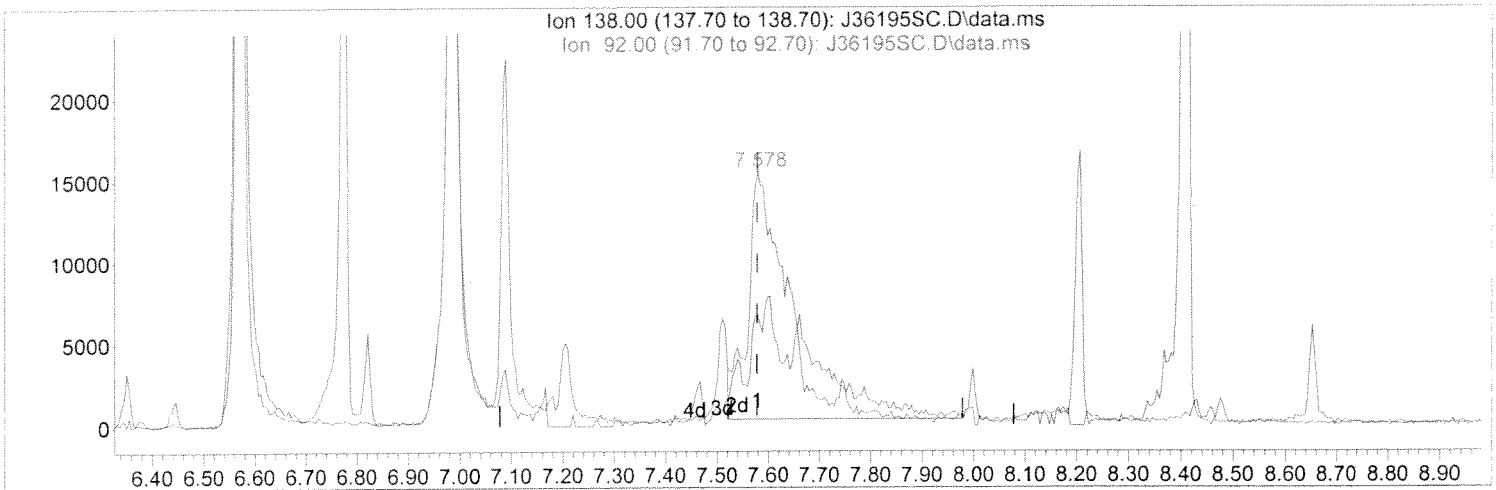
J101812

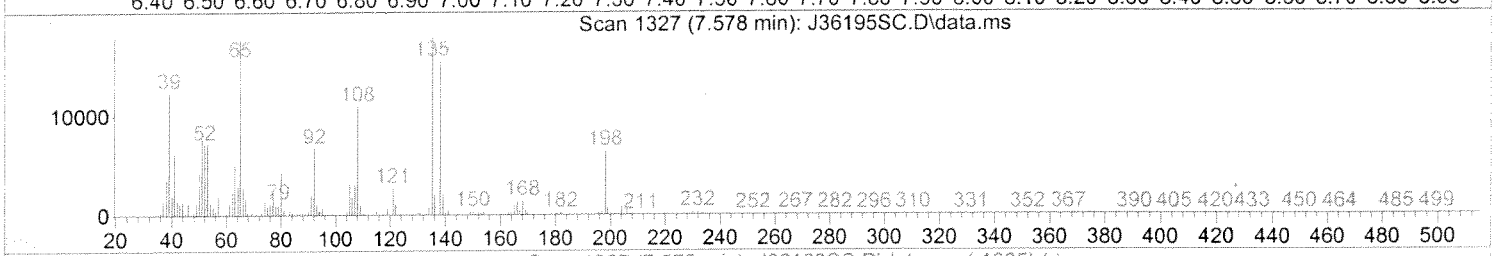
Quantitation Report (Qedit)

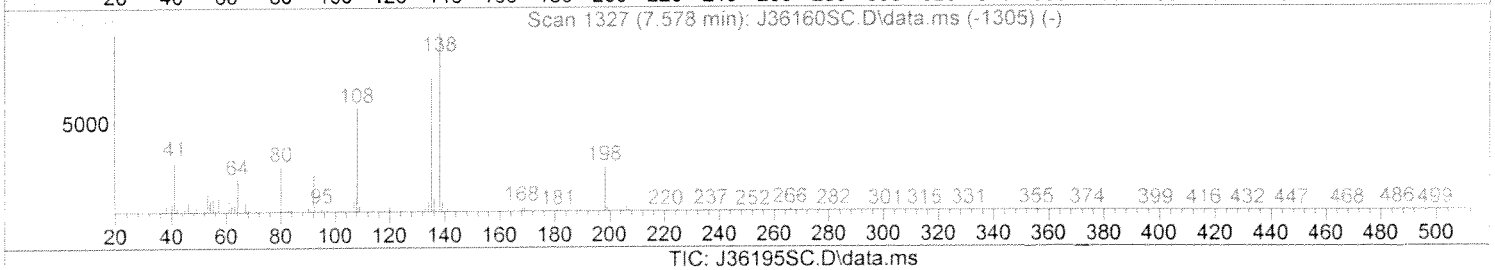
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:11 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

PM 10/17/10







TIC: J36195SC.D\data.ms

(55) 4-Nitroaniline (TM)

7.578min (-0.000) 18.50ug/ml m

response 97134

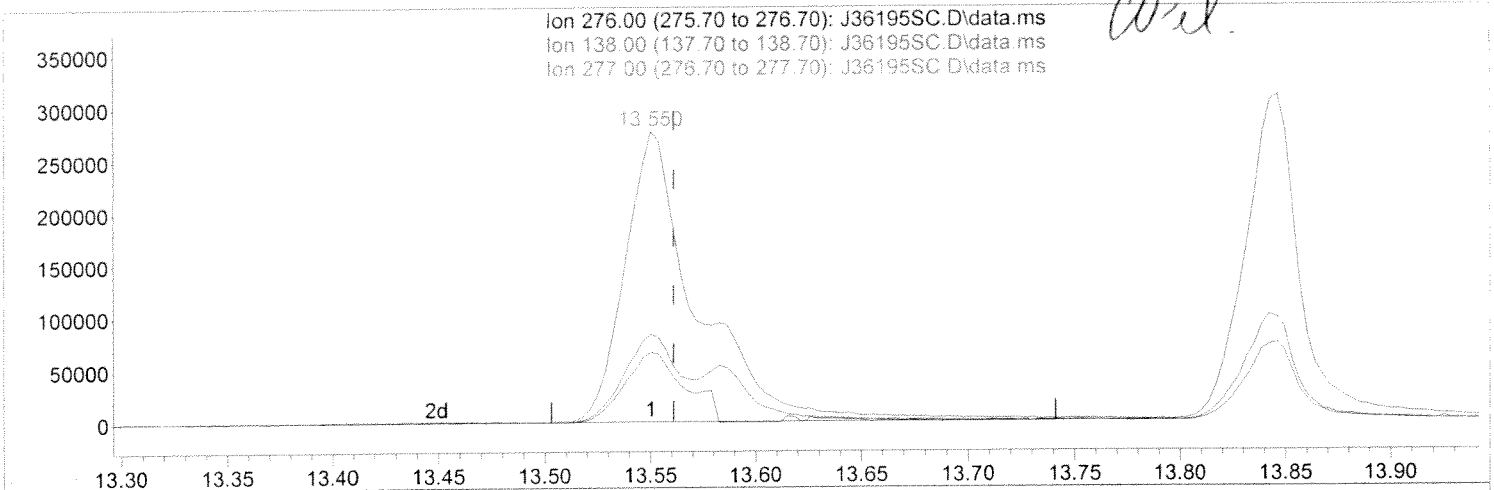
Ion	Exp%	Act%
138.00	100	100
92.00	9.90	9.51
0.00	0.00	0.00
0.00	0.00	0.00

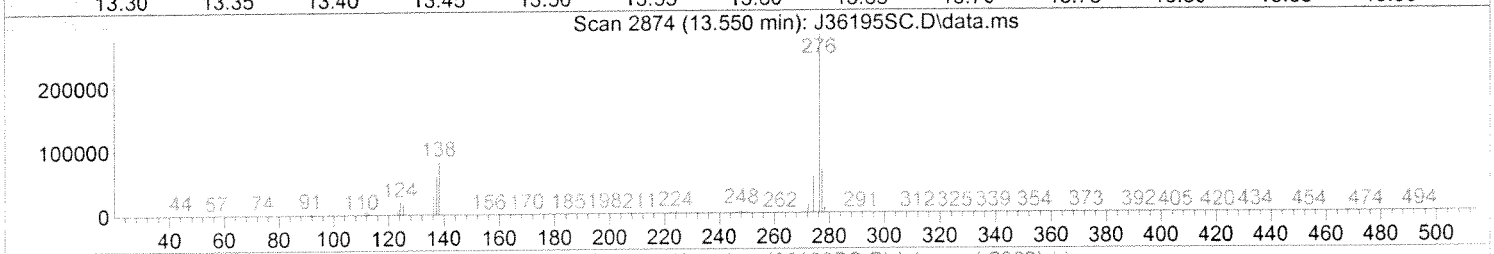
J101810

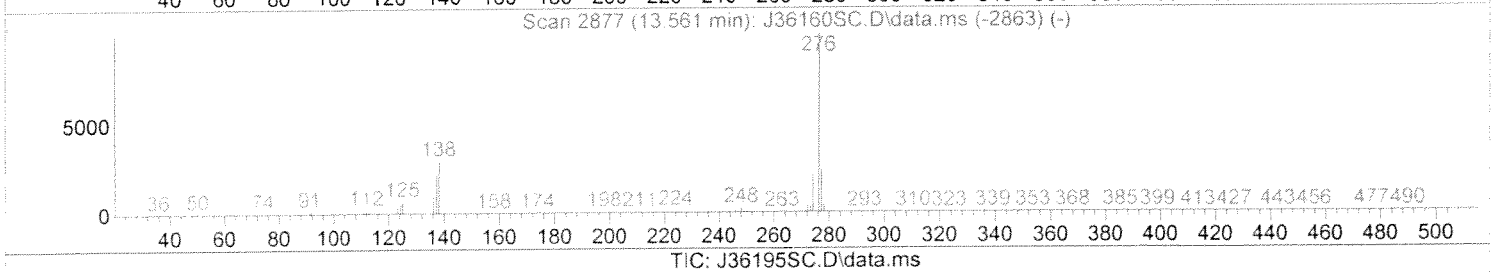
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:11 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration







TIC: J36195SC.D\data.ms

(84) Indeno [1,2,3-cd] pyrene (TM)

13.550min (-0.011) 25.91ug/ml

response 664172

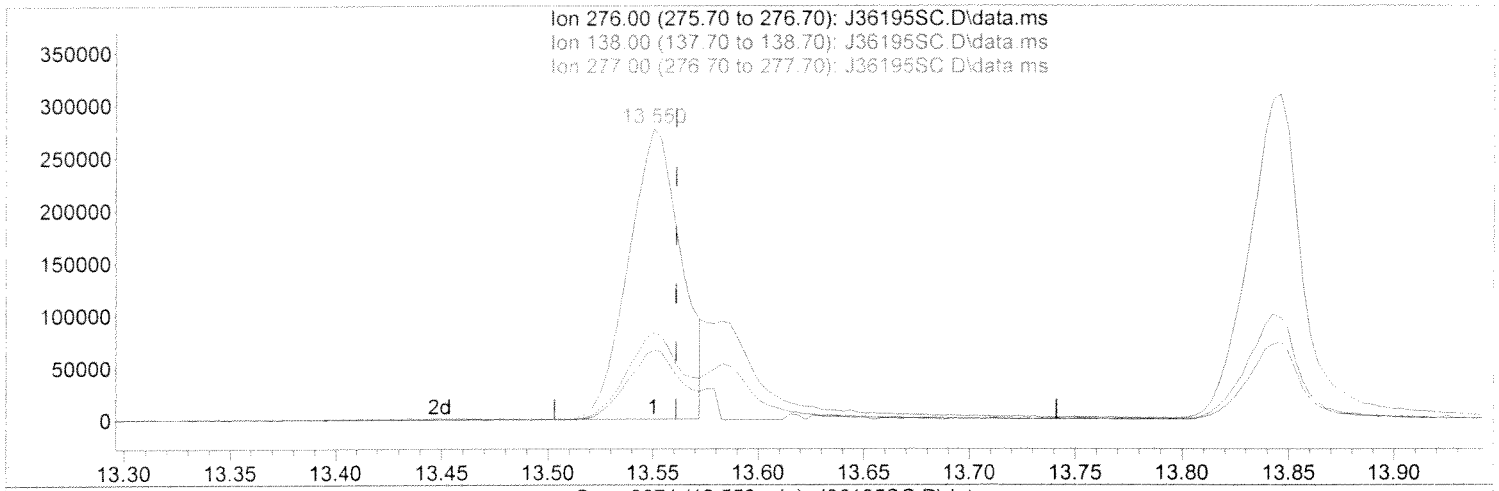
Ion	Exp%	Act%
276.00	100	100
138.00	29.00	22.84#
277.00	24.00	19.77
0.00	0.00	0.00

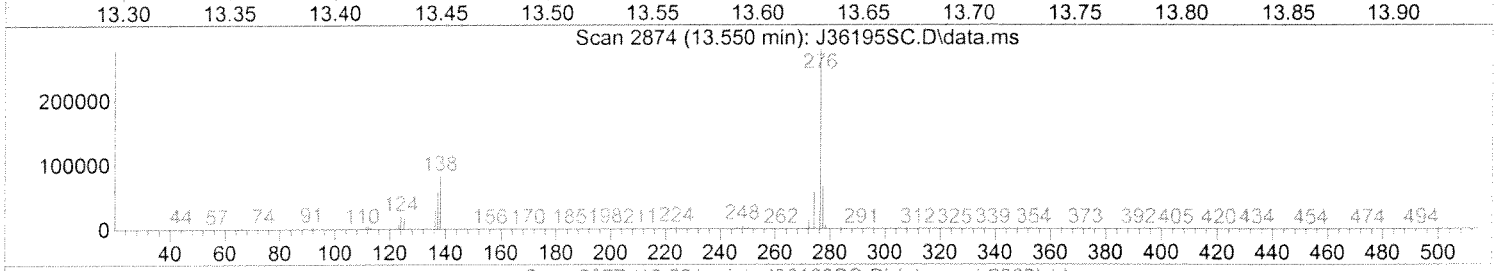
Quantitation Report (Qedit)

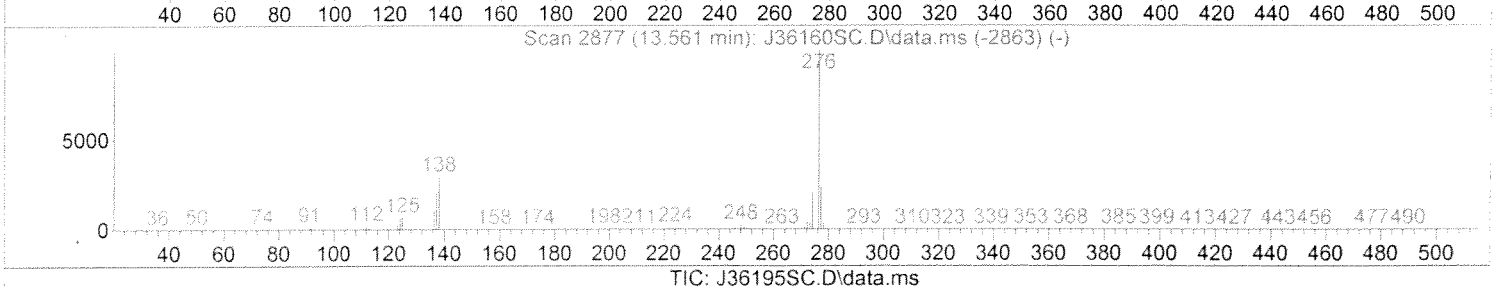
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:11 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

10/17/10







TIC: J36195SC.D\data.ms

(84) Indeno [1,2,3-cd] pyrene (TM)

13.550min (-0.011) 18.74ug/ml m

response 480184

Ion	Exp%	Act%
276.00	100	100
138.00	29.00	31.60
277.00	24.00	27.35
0.00	0.00	0.00

3/10/20

625 ADDS
CCV

Data File Name **J36195SC.D**
Date Acquired **10/15/2010 4:13**
Sample Name **S10156 20/40**

10/17/10

Name	UG/L Amount	UG/L EXPECTED	% RECOVERY	% LIMITS	
n-Decane	20.44	20	102%	80-120	OK
Acetophenone	20.47	20	102%	80-120	OK
alpha-terpineol	21.64	20	108%	80-120	OK
2,3-dichloroaniline	21.25	20	106%	80-120	OK
4-(tert octyl) Phenol	20.12	20	101%	80-120	OK
Octadecane	20.63	20	103%	80-120	OK
BENZALDEHYDE	21.29	20	106%	80-120	OK
CAPROLACTAM	20.49	20	102%	80-120	OK
1,2,4,5-TETRACHLOROBENZENE	21.93	20	110%	80-120	OK
ATRAZINE	18.28	20	91%	80-120	OK

2101810

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

MV 10/17/10

Quant Time: Oct 15 04:33:17 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Fri Oct 15 03:13:40 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	380066	40.00	ug/ml	0.00
19) d8-Naphthalene	5.260	136	1149608	40.00	ug/ml	0.00
35) d10-Acenaphthene	6.981	164	676907	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.408	188	1172543	40.00	ug/ml	0.00
71) d12-Chrysene	10.952	240	1146151	40.00	ug/ml	0.00
79) d12-Perylene	12.397	264	1057784	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.599	112	493750	44.39	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 59.19%			
5) d5-Phenol	3.651	99	579399	44.66	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 59.55%			
20) d5-nitrobenzene	4.549	82	408091	41.19	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 82.38%			
39) 2-Fluorobiphenyl	6.351	172	912672	42.78	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 85.56%			
60) 2,4,6-Tribromophenol	7.748	330	165209	45.64	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 60.85%#			
73) d14-p-terphenyl	9.970	244	838266	40.11	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 80.22%			
Target Compounds						Qvalue
2) BENZALDEHYDE	3.511	77	153277	21.29	ug/ml	99
3) n-Decane	3.834	57	348748	20.44	ug/ml	100
6) Acetophenone	4.404	105	312550	20.47	ug/ml	98
21) alpha-terpineol	5.335	93	96509	21.64	ug/ml	93
22) 2,3-dichloroaniline	6.257	161	260233	21.25	ug/ml	100
24) CAPROLACTAM	5.769	55	160594m	20.49	ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.141	216	254344	21.93	ug/ml	99
53) ATRAZINE	8.205	200	129025	18.28	ug/ml	97
59) 4-(tert octyl) Phenol	7.544	135	658571	20.12	ug/ml	100
62) Octadecane	8.390	57	346283	20.63	ug/ml	99

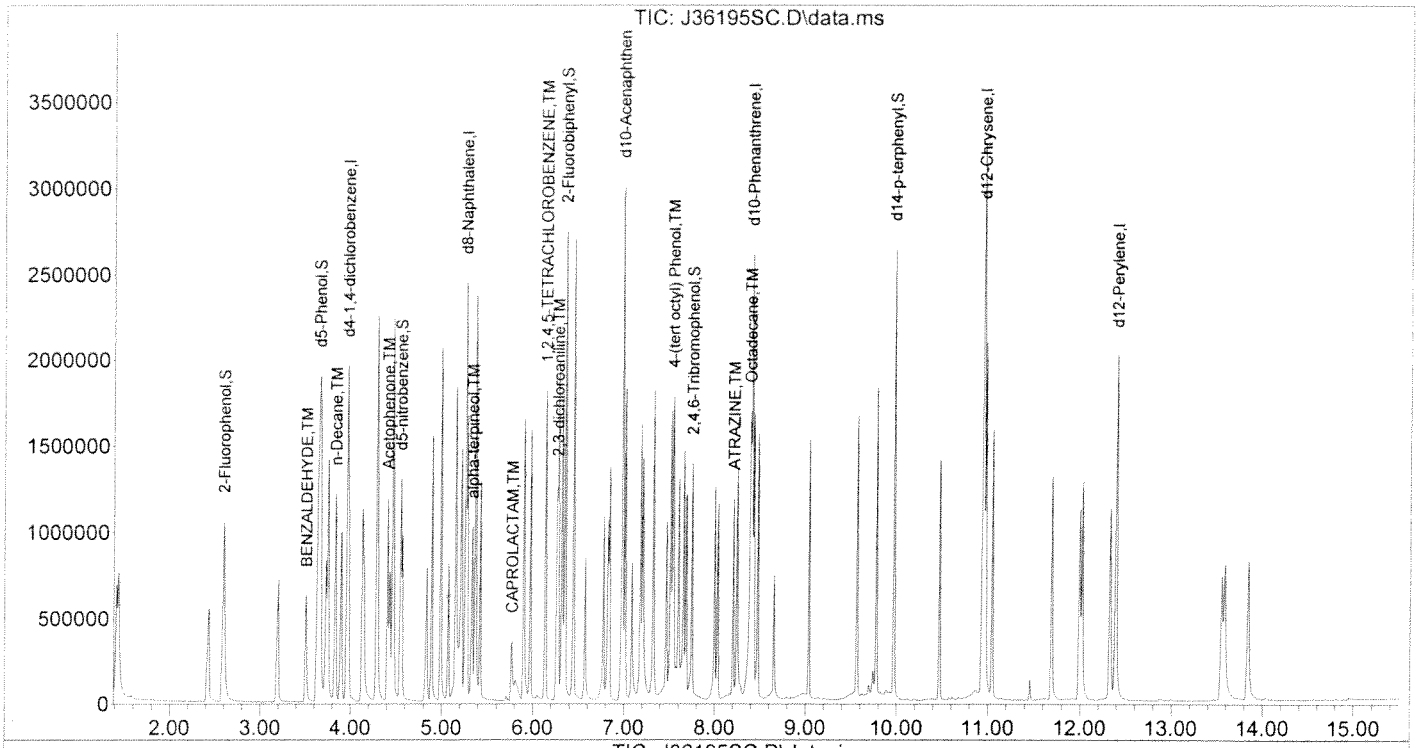
(#) = qualifier out of range (m) = manual integration (+) = signals summed

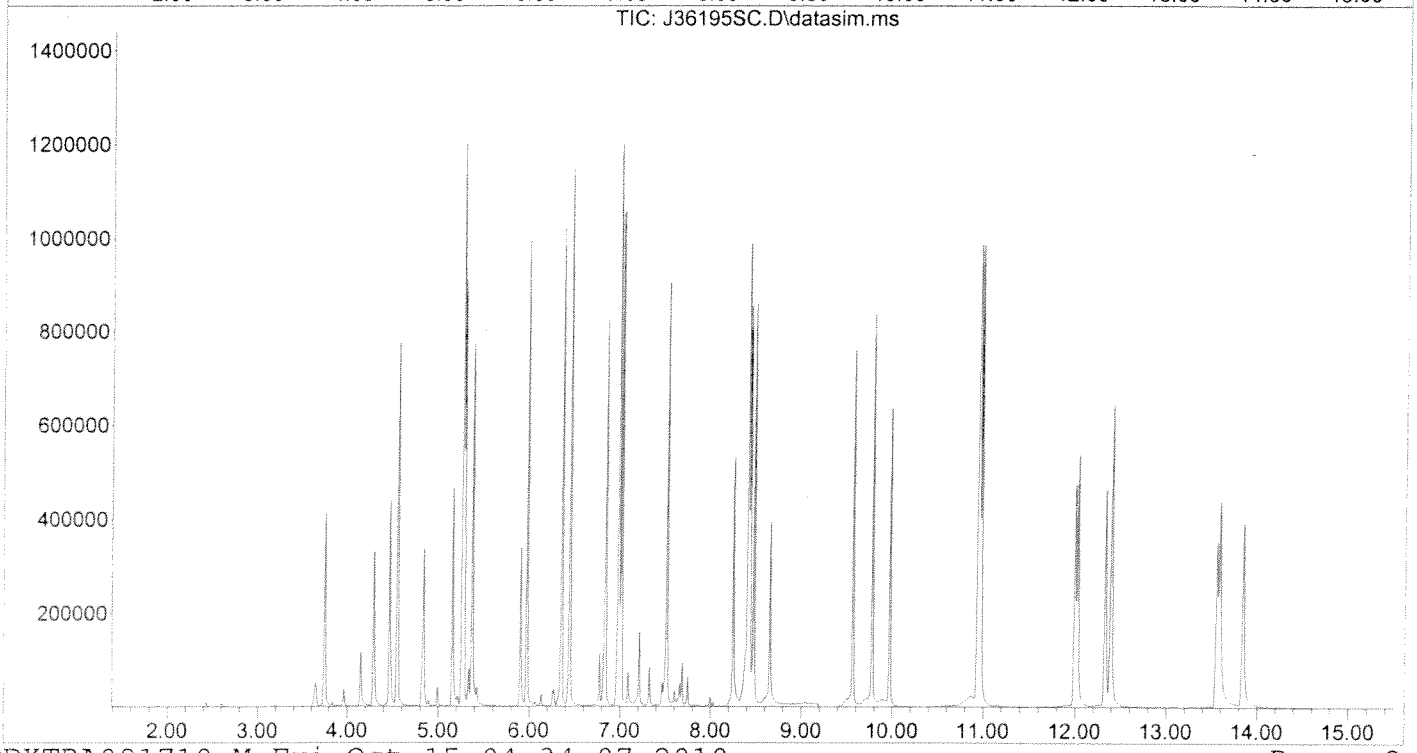
J101810

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:33:17 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Fri Oct 15 03:13:40 2010
Response via : Initial Calibration





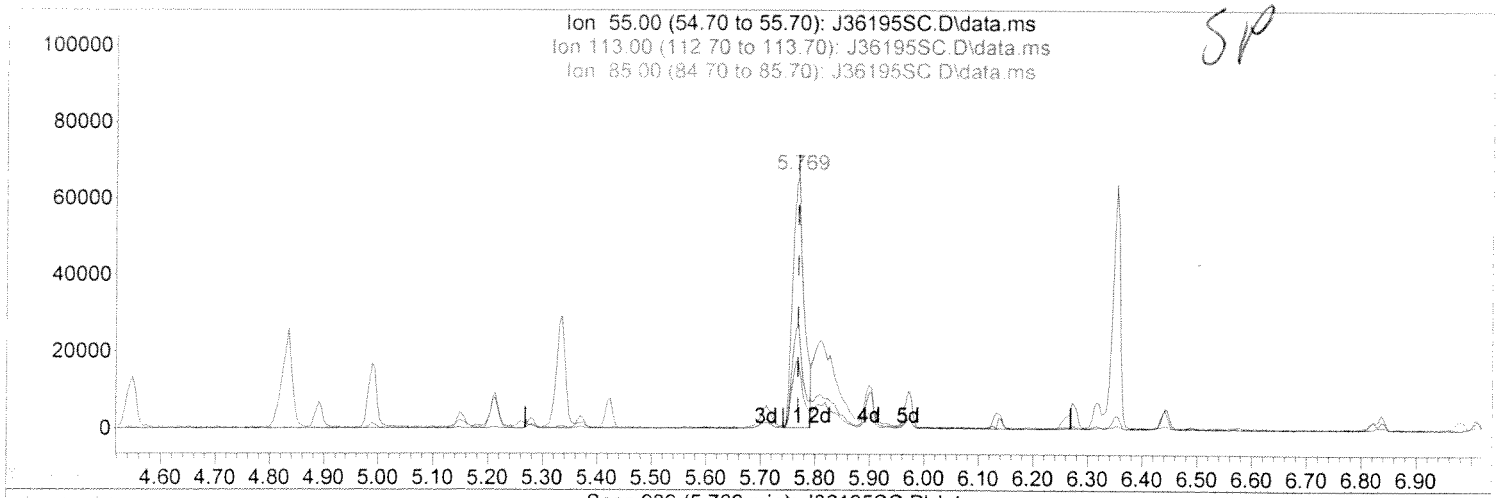
Quantitation Report (Qedit)

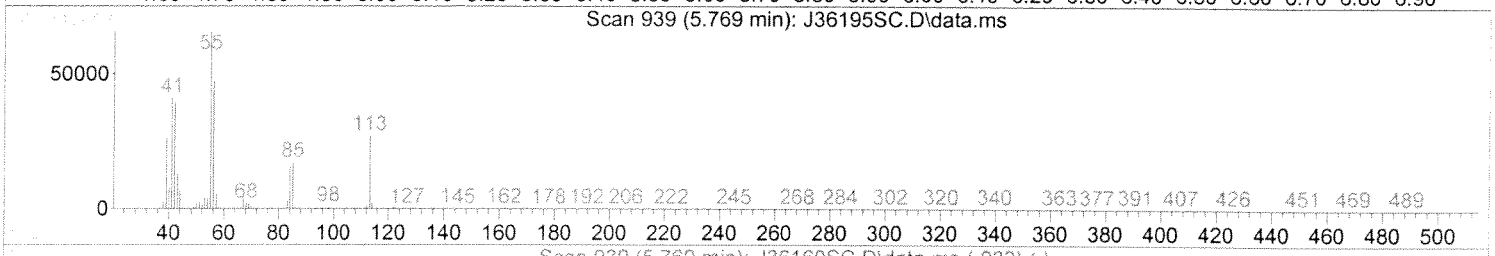
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

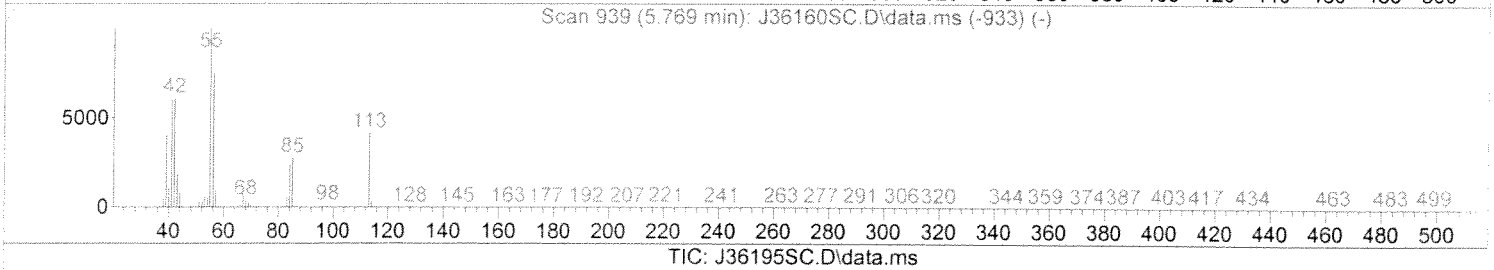
Quant Time: Oct 15 04:32:58 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Fri Oct 15 03:13:40 2010
Response via : Initial Calibration

AR
10/17/10

SP







TIC: J36195SC.D\data.ms

(24) CAPROLACTAM (TM)

5.769min (-0.000) 12.22ug/ml

response 95787

Ion	Exp%	Act%
55.00	100	100
113.00	24.80	41.77#
85.00	16.90	27.75#
0.00	0.00	0.00

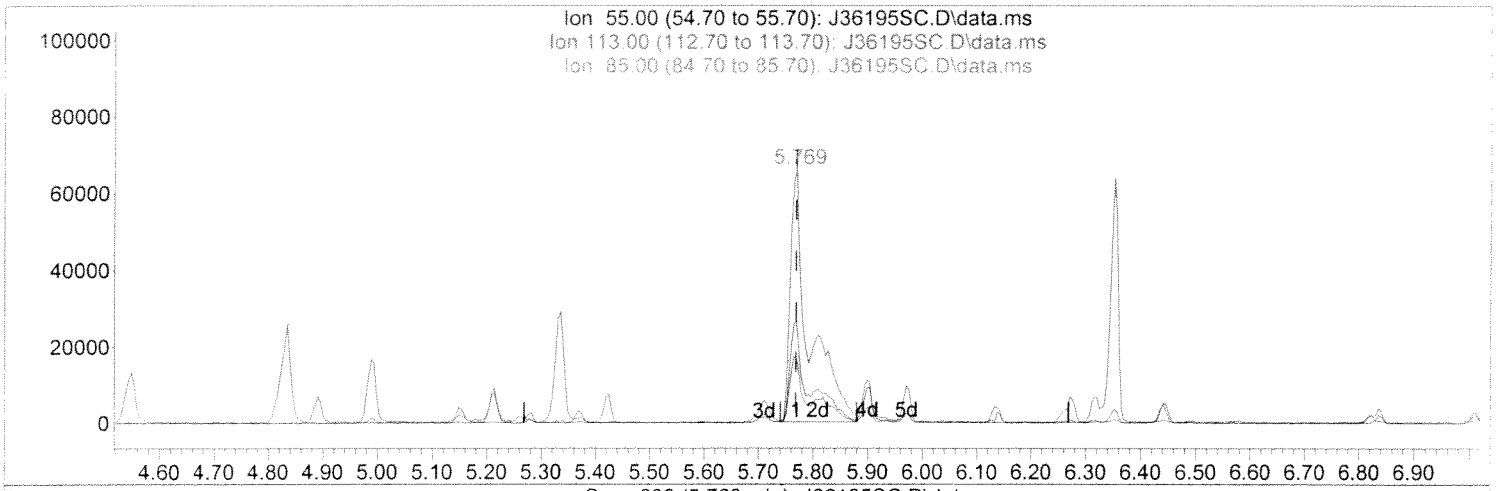
J101810

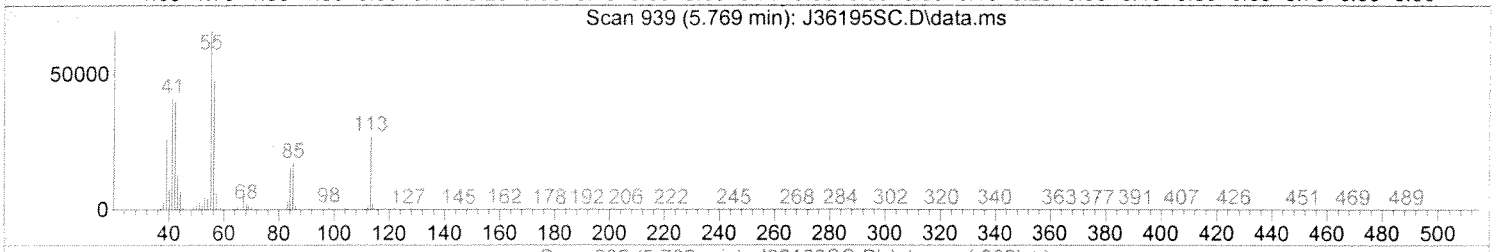
Quantitation Report (Qedit)

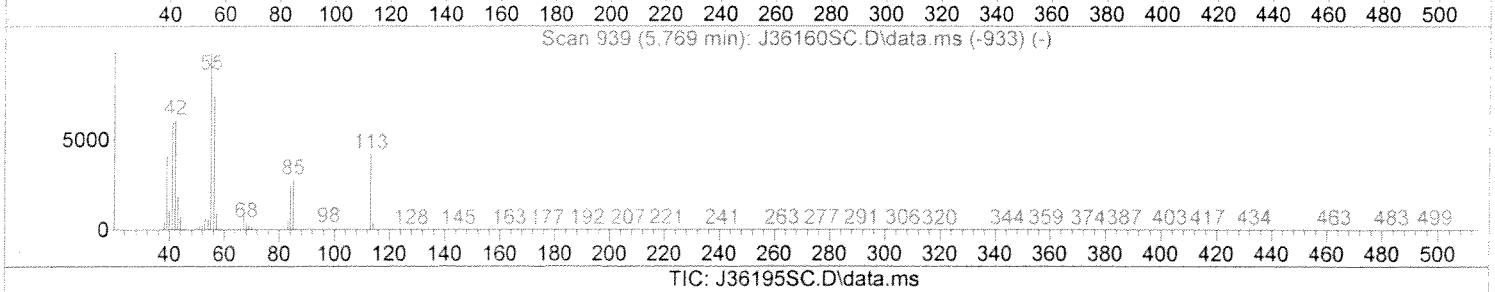
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:32:58 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Fri Oct 15 03:13:40 2010
Response via : Initial Calibration

10/17/10







TIC: J36195SC.D\data.ms

(24) CAPROLACTAM (TM)

5.769min (-0.000) 20.49ug/ml m

response 160594

Ion	Exp%	Act%
55.00	100	100
113.00	24.80	24.92
85.00	16.90	16.55
0.00	0.00	0.00

3101810

SEMIVOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#	IS 5 AREA	#	IS 5 RT	#	IS 6 AREA	#	IS 6 RT	#
S10112 20/40	460445		4.02		1393270		5.31		783890		7.03		1.38E+06		8.46		1380450		11.01		1.27E+06		12.47	
Upper Limit	920890		4.08		2786540		5.37		1567780		7.09		2761940		8.52		2760900		11.07		2547220		12.53	
Lower limit	230223		3.96		696635		5.25		391945		6.97		690485		8.40		690225		10.95		636805		12.41	

SAMPLE ID																								
S10115 2/4	467340		4.02		1385760		5.31		777487		7.03		1.37E+06		8.46		1511120		11.00		1.30E+06		12.47	
S10114 4/8	456768		4.02		1348710		5.31		764977		7.03		1.35E+06		8.46		1439520		11.00		1.28E+06		12.46	
S10113 10/20	474965		4.02		1349960		5.31		785875		7.03		1.38E+06		8.46		1434880		11.00		1.28E+06		12.46	
S10111 40/80	491868		4.03		1488180		5.32		853400		7.03		1.45E+06		8.47		1407900		11.01		1.32E+06		12.47	
S10110 50/100	480235		4.03		1425040		5.32		835715		7.04		1.41E+06		8.47		1356070		11.01		1.31E+06		12.47	
S10109 100/200	416986		4.03		1280460		5.33		731503		7.04		1.18E+06		8.47		1079200		11.02		1.11E+06		12.48	
S10120 20/40 ICV	436183		4.02		1317140		5.31		717152		7.03		1.29E+06		8.46		1258250		11.01		1.16E+06		12.47	

IS 1 = d4-1,4-dichlorobenzene
IS 2 = d8-Naphthalene
IS 3 = d10-Acenaphthene
IS 4 = d10-Phenanthrene
IS 5 = d12-Chrysene
IS 6 = d12-Perylene

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

SVOA FORM 8

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\DATA\091710-J\J35841T.D
Tune Time : 17 Sep 2010 10:49 pm

Full

Daily Calibration File : C:\msdchem\1\DATA\091710-J\J35850SI.D

9/18/10

						460445	1393270	783890
						1380970	1380450	1273610
File	Sample	Surrogate Recovery %				Internal Standard Responses		
J35847SI.D								
	S10115 2/4	5*	5*	9*	6*	467340	1385756	777487
		5*	8*			1371394	1511123	1300090
J35848SI.D								
	S10114 4/8	11*	11*	17*	15*	456768	1348707	764977
		12*	16*			1349373	1439522	1277714
J35849SI.D								
	S10113 10/	27	28	43	37*	474965	1349962	785875
		28*	38*			1378842	1434879	1277290
J35851SI.D								
	S10111 40/	107	102	151*	144*	491868	1488181	853400
		111*	140*			1445562	1407899	1318165
J35852SI.D								
	S10110 50/	132*	125*	186*	175*	480235	1425038	835715
		134*	170*			1407375	1356071	1310149
J35853SI.D								
	S10109 100	247*	230*	342*	357*	416986	1280463	731503
		247*	327*			1175403	1079202	1111750
J35854.D								
	S10120 20/	57	57	81	85	436183	1317136	717152
		59	80			1285330	1258254	1157553

(fails) - fails 12hr time check * - fails criteria

Created: Sat Sep 18 22:07:55 2010 Instrument J

S92010

SEMIVOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67967

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#	IS 5 AREA	#	IS 5 RT	#	IS 6 AREA	#	IS 6 RT	#
S10156 20/40	380066		3.96		1149610		5.26		676907		6.98		1.17E+06		8.41		1146150		10.95		1.06E+06		12.40	
Upper Limit	760132		4.02		2299220		5.32		1353814		7.04		2345080		8.47		2292300		11.01		2126560		12.46	
Lower limit	190033		3.90		574805		5.20		338454		6.92		586270		8.35		573075		10.89		531640		12.34	

SAMPLE ID																								
B100710AASE,,RR	388874		3.96		1138980		5.26		680856		6.98		1.18E+06		8.40		1202980		10.94		1.06E+06		12.39	
L100710AASE,,RR	368589		3.96		1094420		5.26		656629		6.98		1.05E+06		8.41		1018400		10.96		1.01E+06		12.40	
LD100710AASE,,RR	360775		3.96		1072760		5.26		621677		6.98		1.10E+06		8.41		925580		10.96		918900		12.40	
67967-4	390233		3.96		1171590		5.26		681735		6.98		1.21E+06		8.40		1140900		10.95		992234		12.40	
67967-4,MS	372623		3.96		1086820		5.26		634919		6.98		989879		8.41		942807		10.96		953992		12.40	
67967-4,MSD	371922		3.96		1088100		5.26		625730		6.98		1.12E+06		8.41		939056		10.96		953834		12.40	
67967-3	382357		3.96		1125400		5.26		654397		6.98		1.16E+06		8.41		1081300		10.95		906133		12.40	
67967-2	376714		3.96		1110940		5.26		647530		6.98		1.09E+06		8.40		1039670		10.95		930754		12.40	
67967-1	383938		3.96		1127910		5.26		651720		6.98		1.14E+06		8.41		1052560		10.95		964272		12.40	

IS 1 = d4-1,4-dichlorobenzene
IS 2 = d8-Naphthalene
IS 3 = d10-Acenaphthene
IS 4 = d10-Phenanthrene
IS 5 = d12-Chrysene
IS 6 = d12-Perylene

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

SVOA FORM 8

Tune File : C:\msdchem\1\DATA\101410-J\J36193T.D Full list
Tune Time : 15 Oct 2010 3:25 am

Daily Calibration File : C:\msdchem\1\DATA\101410-J\J36195SC.D

	380066	1149610	676907
	1172540	1146150	1063280

File	Sample	Surrogate Recovery %				Internal Standard Responses		
J36196B.D								
	B101210AW,	51	38	79	84	402266	1176616	691001
		92	84			1201724	1260922	1084559
J36197Q.D								
	L101210AW,	54	38	80	87	424798	1265401	748764
		97	97			1314122	1133163	1197664
J36198Q.D								
	LD101210AW	52	37	77	82	412192	1242339	726232
		96	97			1279810	1104610	1145261
J36199.D								
	67980-13	54	40	83	87	415285	1194763	705871
		93	83			1232114	1255796	1097138
J36200.D								
	67980-14	50	38	78	84	396518	1165716	680752
		91	95			1185286	1222739	1064400
J36201.D								
	68000-2	32	31	74	80	371474	1092509	634103
		54	70			1123907	1099697	984478
J36202.D								
	67977-20,,	0*	0*	76	83	392140	1144957	661462
	BN	0*	66			1157093	1264979	1086256
J36203.D								
	67978-16,,	0*	0*	79	80	412774	1191703	696309
	BN	0*	72			1215102	1283767	1141882
J36204B.D								
	B100710AAS	57	62	61	66	388874	1138981	680856
		78	82			1176150	1202979	1059612
J36205Q.D								
	L100710AAS	62	67	67	73	368589	1094424	656629
		88	92			1046945	1018396	1014885
J36206Q.D								
	LD100710AA	62	66	65	74	360775	1072760	621677
		88	98			1095693	925580	918900
J36207.D								
	LOD/LOQ100	52	58	58	61	384922	1108873	665201
		82	74			1168510	1171726	1007754
J36208.D								
	67771-2	63	67	69	73	379627	1092425	657390
		91	84			1134550	1136556	1000256
J36209.D								

10/17/10

101810

		86	79			1161312	1144325	1012747
J36210.D								
	67772-5	60	65	66	69	389825	1119624	665823
		88	80			1182622	1154826	1037096
J36211.D								
	67772-6	61	67	68	72	375146	1076172	638788
		90	86			1130465	998619	885204
J36212.D								
	67958-1	40	31	62	69	365053	1107235	645482
		88	64			1122872	1086743	885425
J36213.D								
	67959-1	1	2*	72	73	391136	1134145	656317
		[illegible]	77			1148576	1187269	1050202
J36214.D								
	67960-1	44	36	74	76	364951	1037329	648402
		83	70			969948	748093	743769
J36215.D								
	67993-1,,BN	0*	0*	67	70	393786	1130745	674088
		0*	61			1182432	1217328	1035926
J36216.D								
	67967-4	66	75	69	75	390233	1171594	681735
		89	74			1213538	1140903	992234
J36217SP.D								
	67967-4,MS	69	76	75	82	372623	1086819	634919
		91	89			989879	942807	953992
J36218SP.D								
	67967-4,MS	69	75	75	84	371922	1088099	625730
		96	95			1122682	939056	953834
J36219.D								
	67967-3	63	71	66	71	382357	1125404	654397
		86	74			1156179	1081298	906133
J36220.D								
	67967-2	71	81	78	87	376714	1110941	647530
		93	76			1088396	1039671	930754
J36221.D								
	67967-1	62	73	72	77	383938	1127912	651720
		88	79			1141975	1052559	964272
J36222.D								
	67995-1	48	19	67	74	374310	1107607	650191
		72	53			942440	1042386	940676
J36223.D								
	67957-1,,1	23*	30*	28*	28*	360174	1109066	626193
		31*	14*			614901	1064112	720112

2X

(fails) - fails 12hr time check * - fails criteria

Created: Fri Oct 15 20:51:00 2010 Instrument J

Tune File : C:\msdchem\1\DATA\101410-J\J36193T.D
Tune Time : 15 Oct 2010 3:25 am

ADDS/Extras

Daily Calibration File : C:\msdchem\1\DATA\101410-J\J36195SC.D

						380066	1149610	676907
						1172540	1146150	1057780

MN 10/18/10

File	Sample	Surrogate Recovery %				Internal Standard Responses		
J36196B.D								
	B101210AW,	51	38	79	83	401791	1176616	687530
		93	84			1201724	1256992	1084559
J36197Q.D								
	L101210AW,	54	38	80	87	424741	1265356	746963
		97	97			1314122	1122769	1184427
J36198Q.D								
	LD101210AW	52	37	77	82	412192	1242323	726232
		96	97			1279810	1104610	1145261
J36199.D								
	67980-13	54	40	83	87	415285	1194763	704503
		93	82			1232114	1255907	1077523
J36200.D								
	67980-14	51	38	78	82	392373	1155767	676997
		91	95			1185286	1211827	1044273
J36201.D								
	68000-2	32	30	74	79	367951	1083545	634103
		53*	71			1123907	1078907	984478
J36204B.D								
	B100710AAS	57	61	62	65	388874	1126246	674507
		79	82			1176150	1203690	1060647
J36205Q.D								
	L100710AAS	62	67	67	73	368589	1094424	654944
		89	92			1047056	1014543	1011354
J36206Q.D								
	LD100710AA	61	66	66	74	360775	1072760	621677
		89	97			1095693	925580	918040
J36216.D								
	67967-4	64	75	69	74	390233	1160560	678031
		90	74			1213244	1135708	992234
J36217SP.D								
	67967-4,MS	70	77	75	83	370587	1086819	629690
		92	86			988625	942824	951081
J36218SP.D								
	67967-4,MS	69	75	75	84	369263	1088099	625730
		96	95			1122682	929322	952624
J36219.D								
	67967-3	63	71	66	72	379480	1120913	650879
		86	75			1156179	1063295	903713
J36220.D								

J101810

		93	76			1085689	1028934	923624
J36221.D								
	67967-1	62	73	72	77	383938	1126053	649776
		88	79			1136934	1046165	957605

(fails) - fails 12hr time check * - fails criteria

Created: Mon Oct 18 01:41:33 2010 Instrument J

PCB
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: B100810PSOX2
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/08/10
Analysis Date: 10/13/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U
PCB-1262	33	U
PCB-1268	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	105	%
Decachlorobiphenyl	66	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31681B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 11:55 am
Operator : JK
Sample : B100810PSOX2,,A/C
Misc : SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:40 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10-15-10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.145	1.802	192.0E6	742.8E6	104.886	85.457
Spiked Amount	100.000 Range	40 - 130	Recovery	=	104.89%	85.46%
17) S DCB	6.399	5.650	77693163	479.7E6	66.001	66.749
Spiked Amount	100.000 Range	40 - 130	Recovery	=	66.00%	66.75%
Target Compounds						
2) L1M Ar1016 A	2.463	1.999	14054479	87203433	0.426	0.475
3) L1M Ar1016 B	3.190	2.190	9063609	3063706	0.148	N.D. #
4) L1M Ar1016 C	3.285	2.564	2014721	334.1E6	0.032	1.214 #
5) L1M Ar1016 D	3.310	2.841	4780311	5849178	0.131	0.006 #
6) L1M Ar1016 E	3.566	3.124	2395940	23041676	0.025	0.187 #
Sum Ar1016 A			32309060	450.2E6	0.763	1.868
Average Ar1016 A					0.153	0.467
7) L2M Ar1260 A	4.597	3.757	818023	3524668	N.D.	N.D.
8) L2M Ar1260 B	4.761	3.958	4095918	3051578	0.020	N.D. #
9) L2M Ar1260 C	4.897	4.179	4336269	6828556	0.019	N.D. #
10) L2M Ar1260 D	5.114	4.283	2350056	41210212	0.004	0.086 #
11) L2M Ar1260 E	5.345	4.477	1606150	1836906	N.D.	0.000 #
Sum Ar1260 A			10782242	43047118	0.019	0.074
Average Ar1260 A					0.006	0.037
12) L3M Ar1254 A	3.939	3.124	8712304	23041676	0.131	0.085 #
13) L3M Ar1254 B	4.039	3.307	1532239	22461814	0.021	0.043 #
14) L3M Ar1254 C	4.328	3.514	1976006	4780305	0.033	0.015 #
15) L3M Ar1254 D	4.640	3.813	2082638	2314340	0.023	0.005 #
16) L3M Ar1254 E	4.761	3.958	4095918	3051578	0.077	0.007 #
Sum Ar1254 A			18399104	55649713	0.284	0.155
Average Ar1254 A					0.057	0.031

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

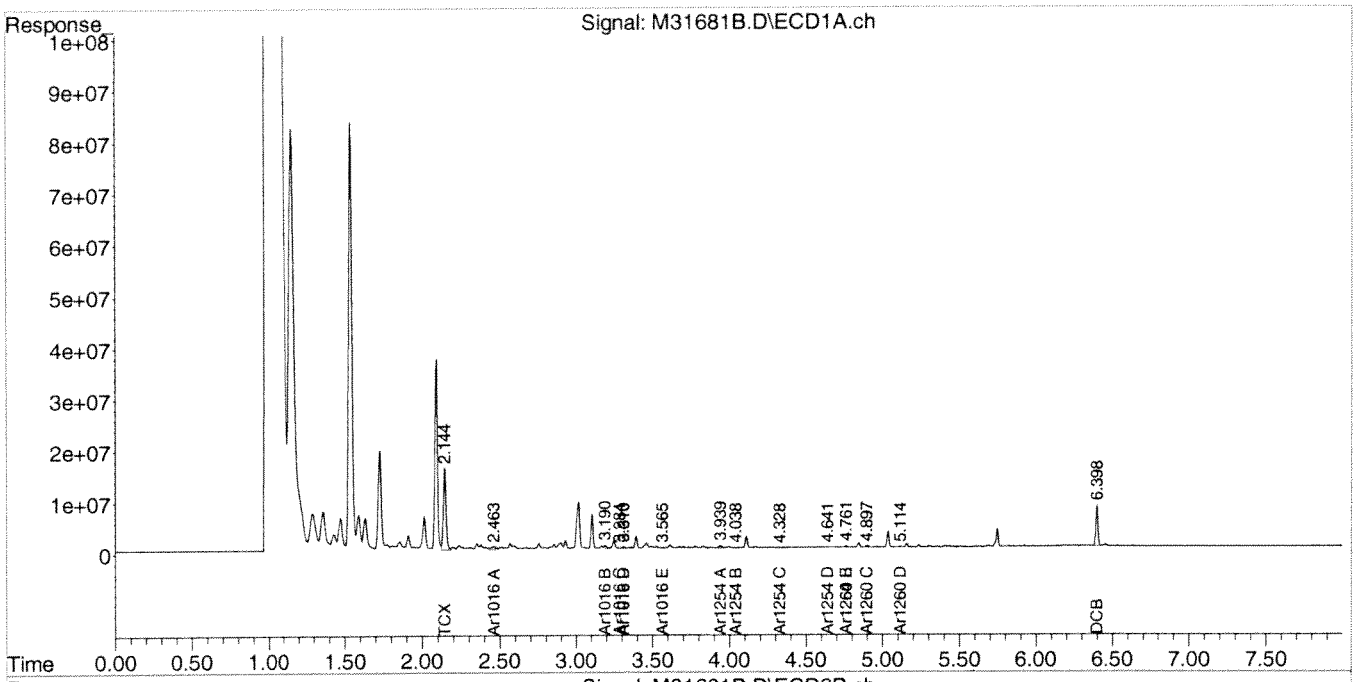
ND
PCB

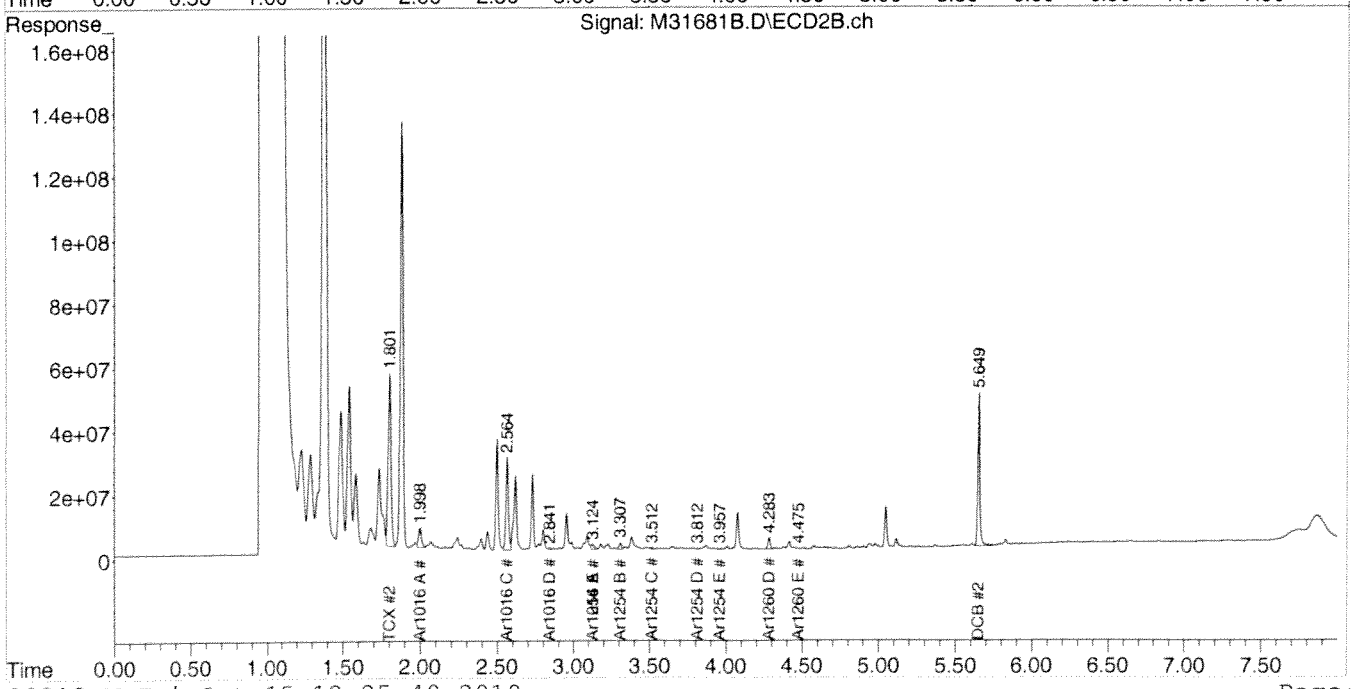
3/101210

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31681B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 11:55 am
Operator : JK
Sample : B100810PSOX2,,A/C
Misc : SOIL
ALS Vial : 6 Sample Multiplier: 1

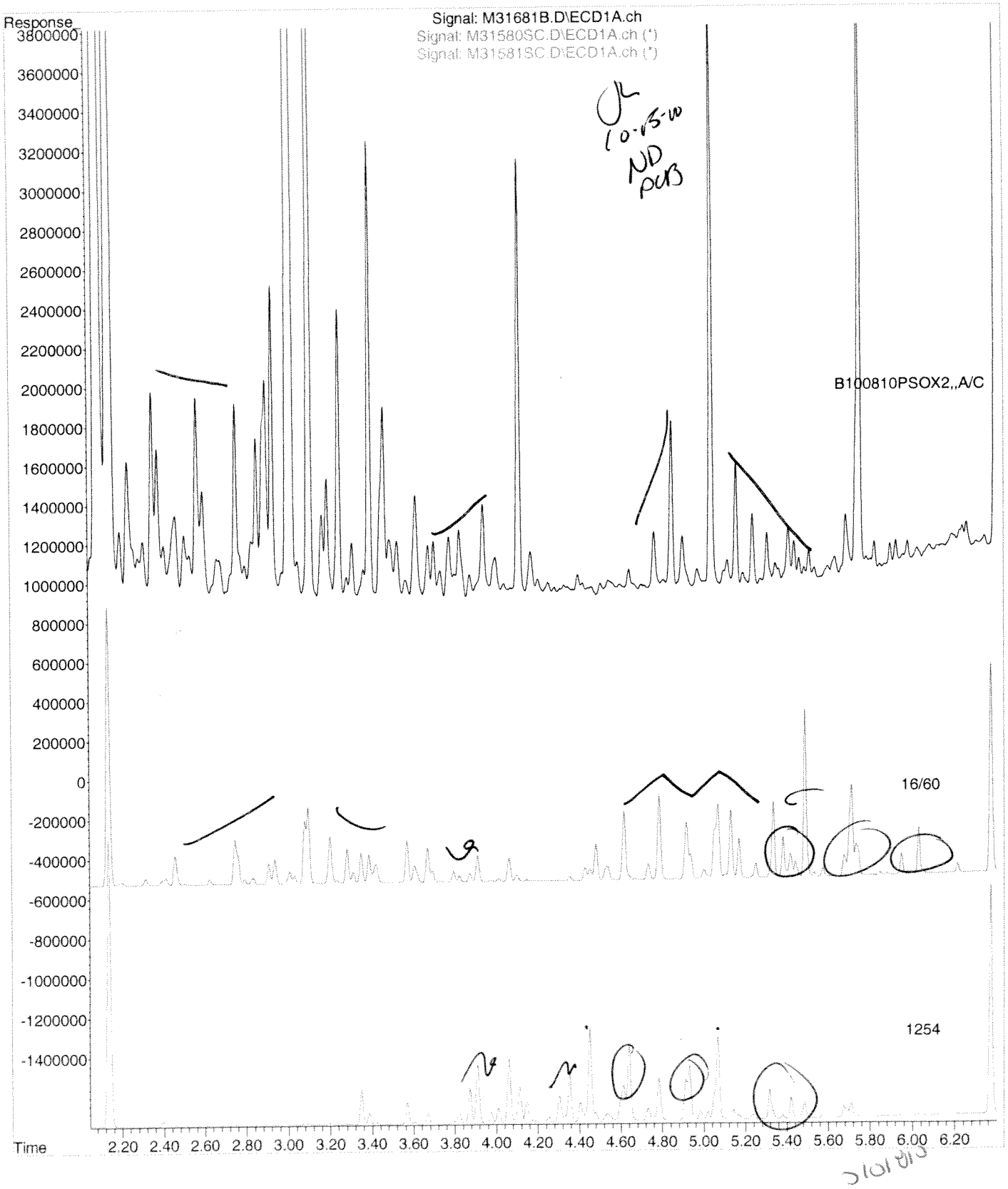
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:40 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





File :C:\msdchem\1\DATA\101210-M\M31681B.D
Operator : JK
Acquired : 13 Oct 2010 11:55 am using AcqMethod PEST.M
Instrument : Instrument M
Sample Name: B100810PSOX2,,A/C
Misc Info : SOIL
Vial Number: 6



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Percent Solid: 79
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/08/10
Analysis Date: 10/13/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-DC-01

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	40	U
PCB-1221	40	U
PCB-1232	40	U
PCB-1242	40	U
PCB-1248	40	U
PCB-1254	40	U
PCB-1260	40	U
PCB-1262	40	U
PCB-1268	40	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	91	%
Decachlorobiphenyl	72	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:36 pm
Operator : JK
Sample : 67967-1,,A/C
Misc : SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:34:25 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

$DF = \frac{(10)(5)}{(10.02)(.7874)(5)} = 1.20$

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-15-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.138	1.804	166.7E6	671.0E6	91.072m	77.198
Spiked Amount	100.000 Range	40 - 130	Recovery	=	91.07%	77.20%
17) S DCB	6.371	5.644	84221513	469.8E6	71.547m	65.375m
Spiked Amount	100.000 Range	40 - 130	Recovery	=	71.55%	65.38%
Target Compounds						
2) L1M Ar1016 A	2.459	1.973	23289709	154.0E6	0.742	0.876
3) L1M Ar1016 B	3.180	2.183	16556342	265.9E6	0.298	0.853 #
4) L1M Ar1016 C	3.273	2.567	13995981	268.0E6	0.406	0.971 #
5) L1M Ar1016 D	3.349	2.850	35680297	3130289	1.274	N.D. #
6) L1M Ar1016 E	3.565	3.104	26105873	81337228	0.615	0.714
Sum Ar1016 A			115.6E6	769.3E6	3.331	3.410
Average Ar1016 A					0.666	0.853
7) L2M Ar1260 A	4.616	3.742	7408462	33044650	0.067	0.067
8) L2M Ar1260 B	4.784	3.985	2356362	303.6E6	N.D.	0.464 #
9) L2M Ar1260 C	4.888	4.180	9702379	20450317	0.083	0.019 #
10) L2M Ar1260 D	5.146	4.284	6436854	57552621	0.067	0.124 #
11) L2M Ar1260 E	5.313	4.472	18486702	22599757	0.224	0.051 #
Sum Ar1260 A			42034398	437.3E6	0.440	0.724
Average Ar1260 A					0.110	0.145
12) L3M Ar1254 A	3.891	3.104	54594603	81337228	0.819	0.300 #
13) L3M Ar1254 B	4.099	3.304	3967.7E6	20017794	53.742	0.038 #
14) L3M Ar1254 C	4.329	3.518	22495119	56831258	0.374	0.182 #
15) L3M Ar1254 D	4.616	3.822	7408462	9906689	0.082	0.020 #
16) L3M Ar1254 E	4.784	3.985	2356362	303.6E6	0.044	0.711 #
Sum Ar1254 A			4054.5E6	471.7E6	55.061	1.252
Average Ar1254 A					11.012	0.250

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

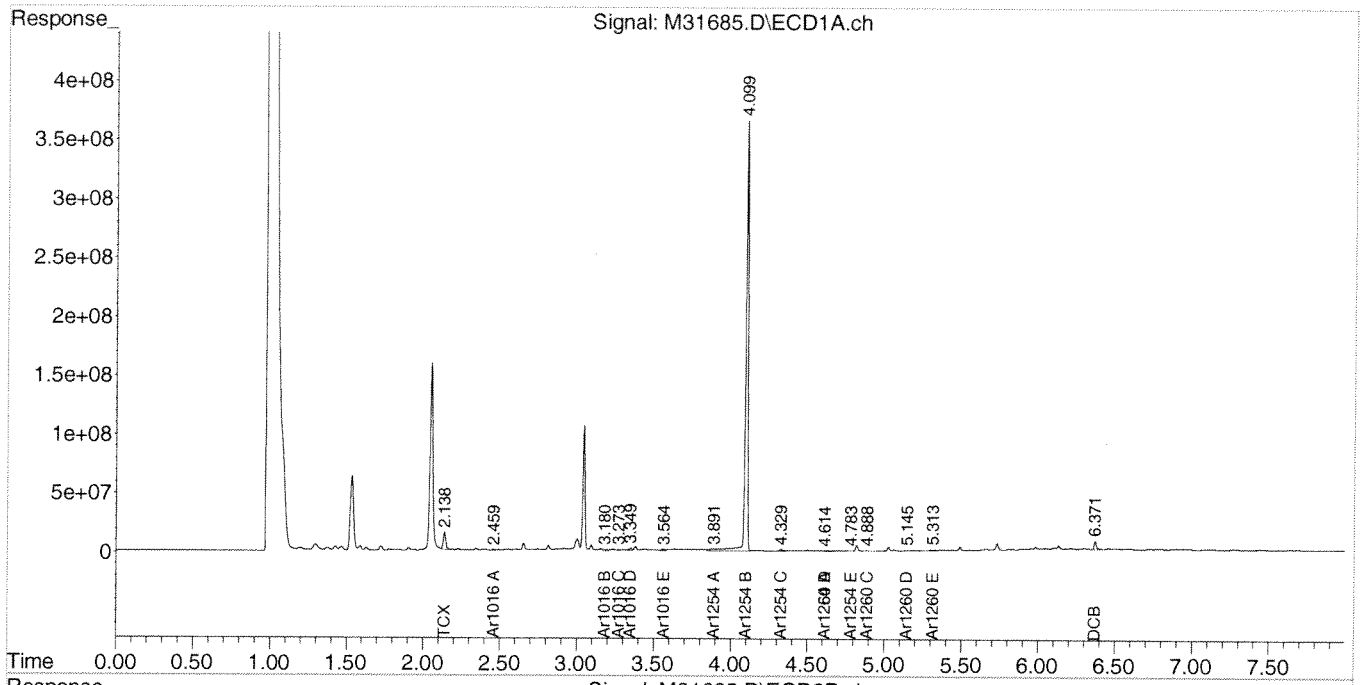
ND
PCB

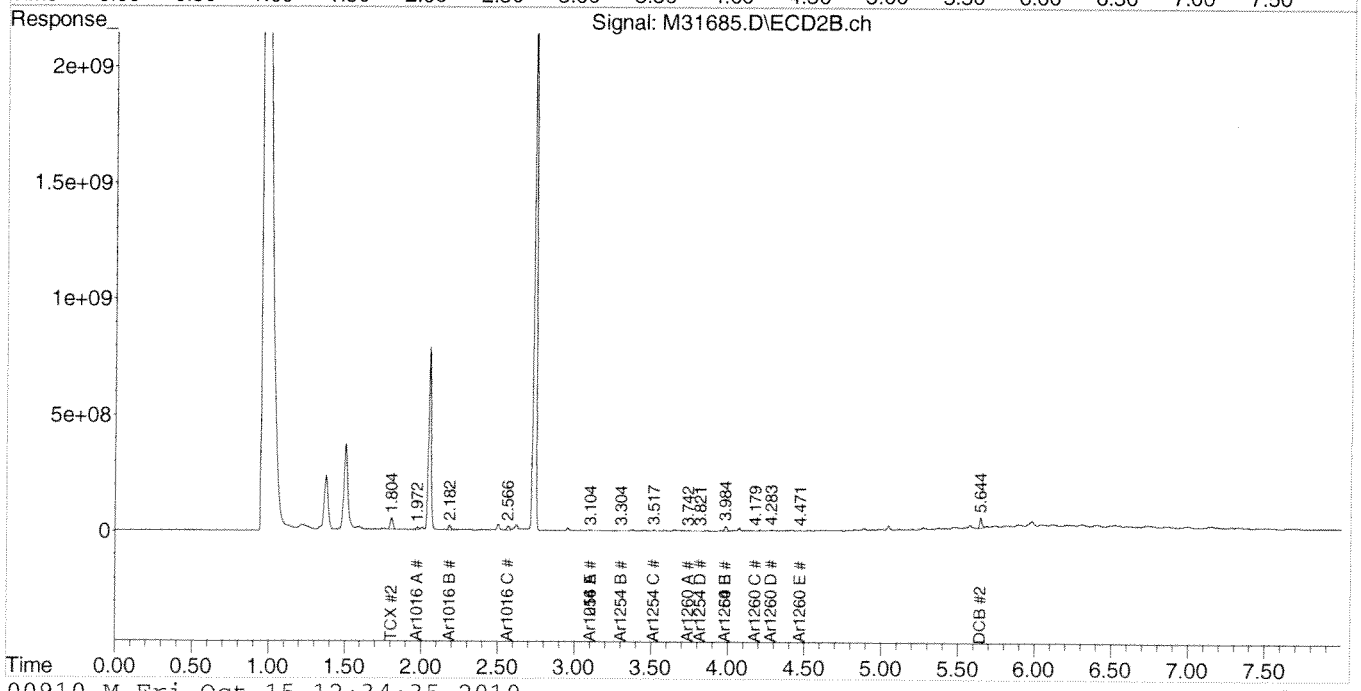
101510

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:36 pm
Operator : JK
Sample : 67967-1,,A/C
Misc : SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:34:25 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



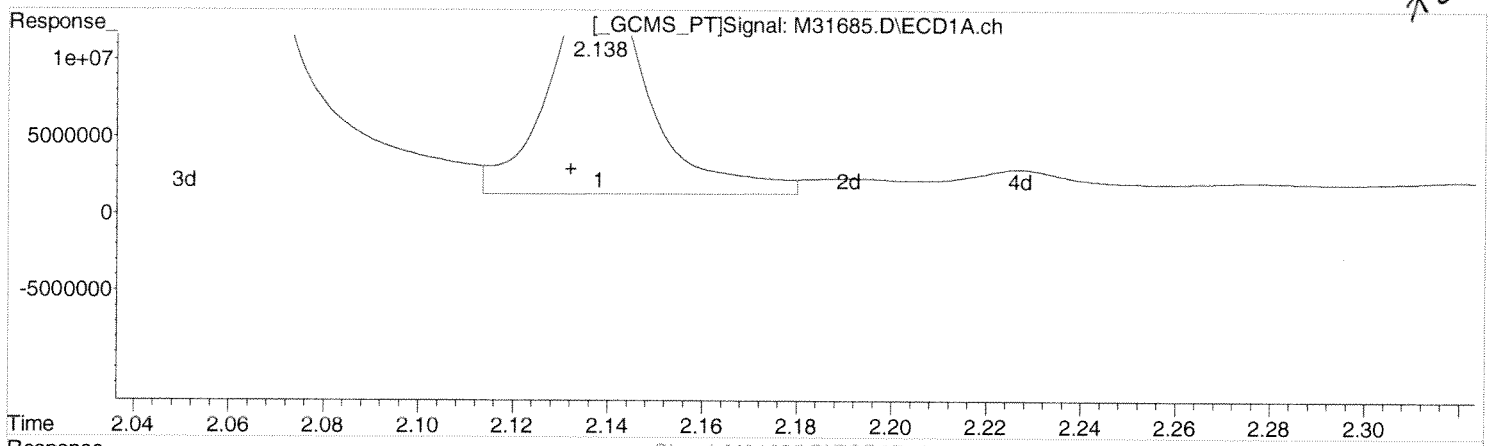


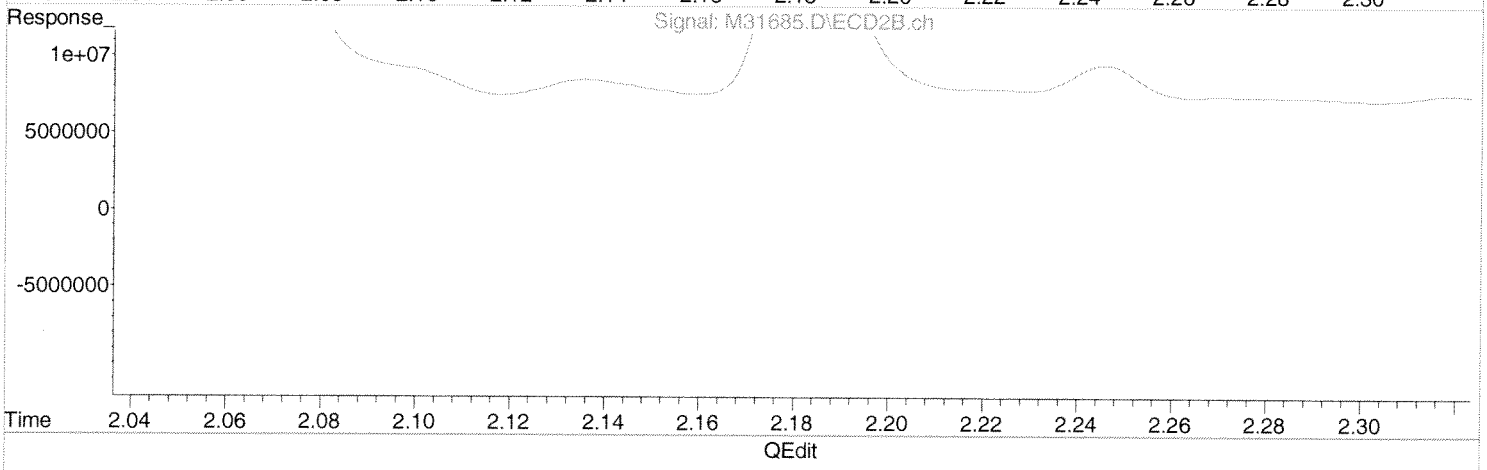
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:36 pm
Operator : JK
Sample : 67967-1,,A/C
Misc : SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:46 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10-15-10 KEA





(1) TCX (S)

2.138min 116.335 ug/ml

response 212967010

(1) TCX #2 (S)

1.804min 77.198 ug/ml

response 670973904

วงเดียว

(+) = Expected Retention Time

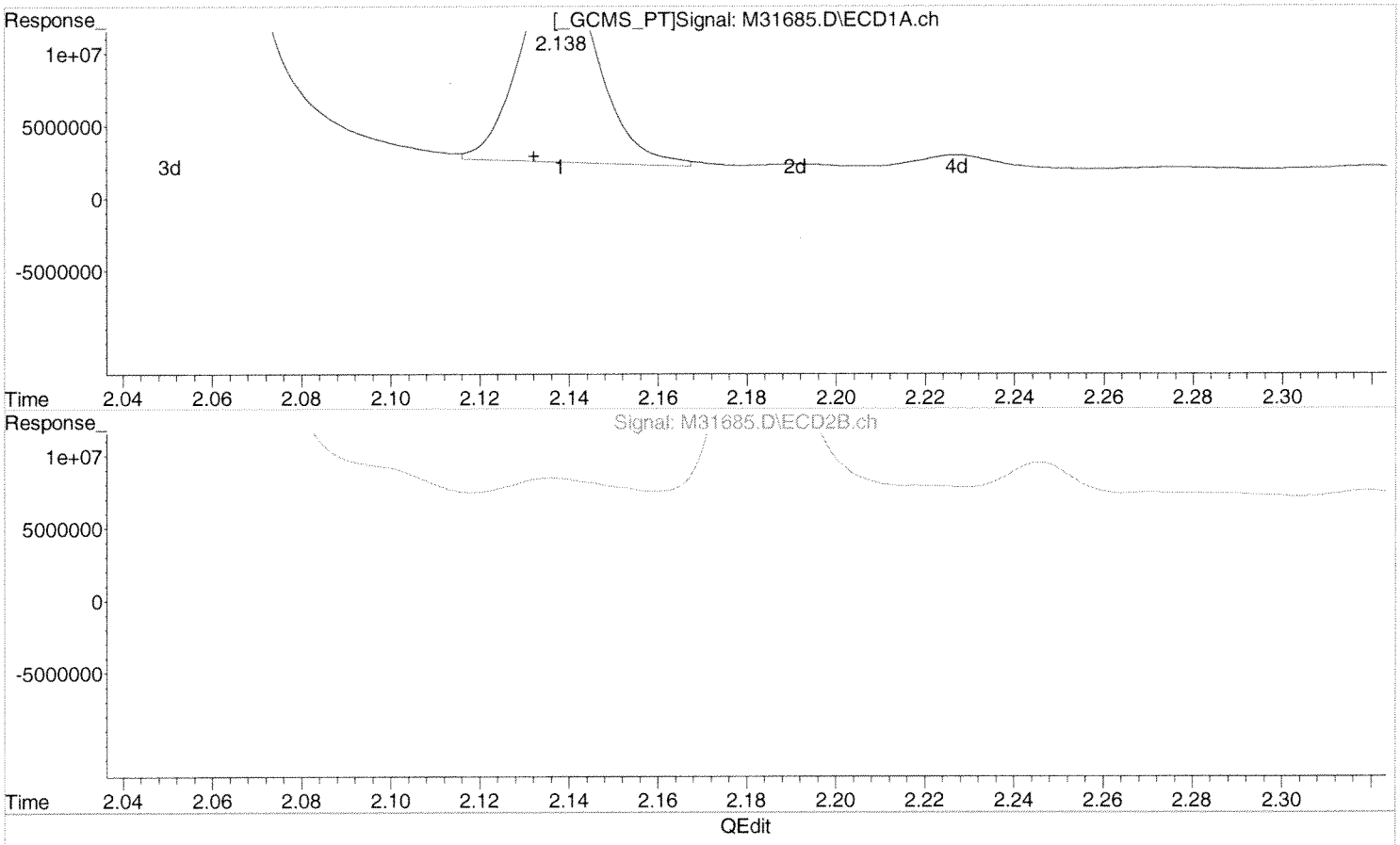
PCB100910.M Fri Oct 15 12:34:07 2010

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:36 pm
Operator : JK
Sample : 67967-1,,A/C
Misc : SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:46 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10.15.10



(1) TCX (S)

2.138min 91.072 ug/ml m

response 166718941

(1) TCX #2 (S)

1.804min 77.198 ug/ml

response 670973904

101810

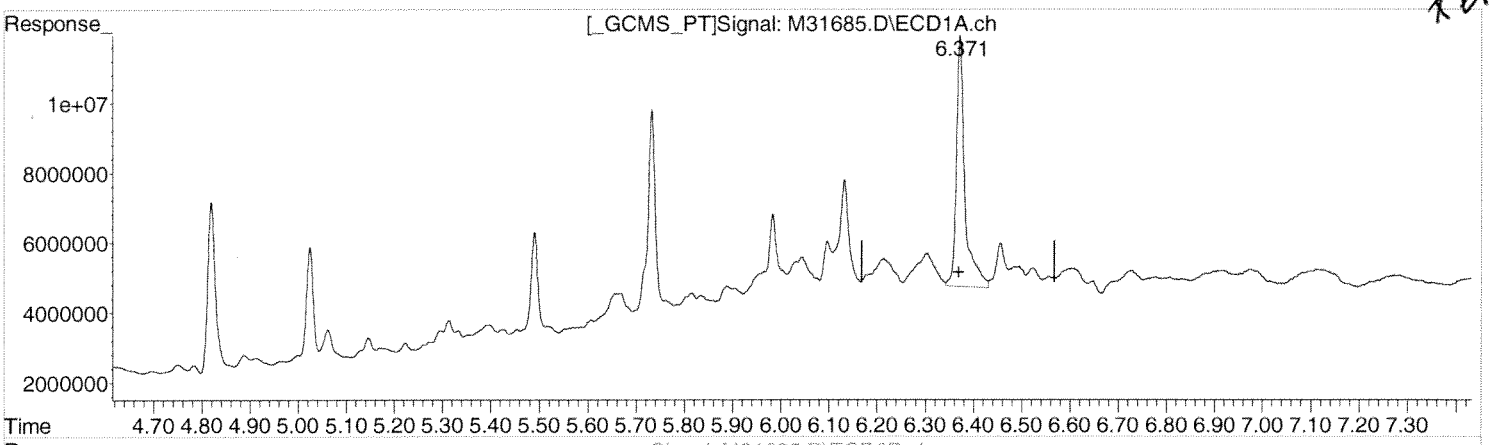
(+) = Expected Retention Time

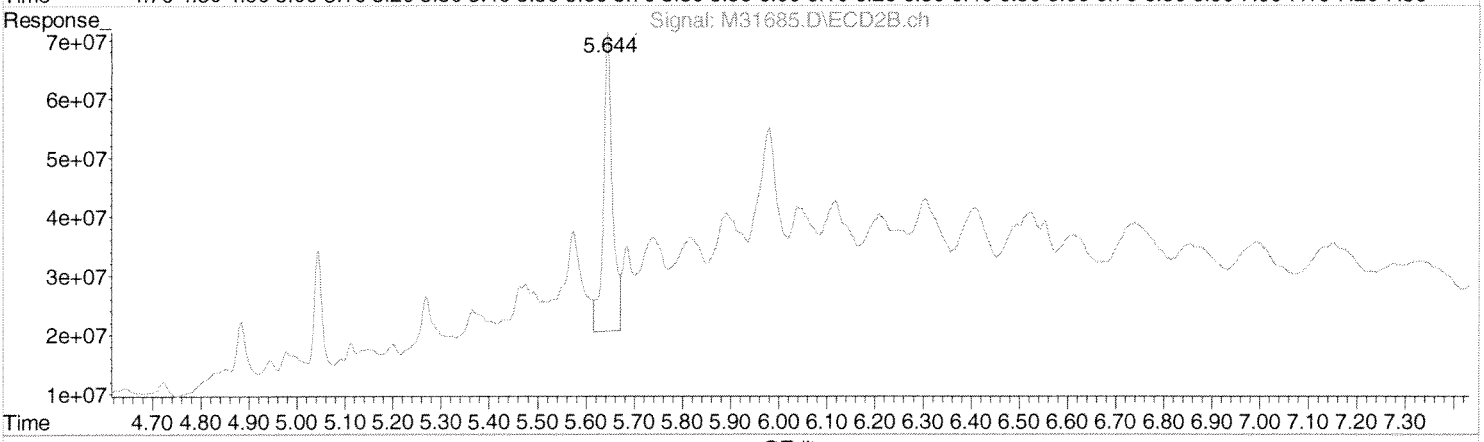
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:36 pm
Operator : JK
Sample : 67967-1,,A/C
Misc : SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:46 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.15.10 KEM





QEdit

(17) DCB (S)
6.372min 75.205 ug/ml
response 88527596

(17) DCB #2 (S)
5.644min 91.705 ug/ml
response 659071623

101010

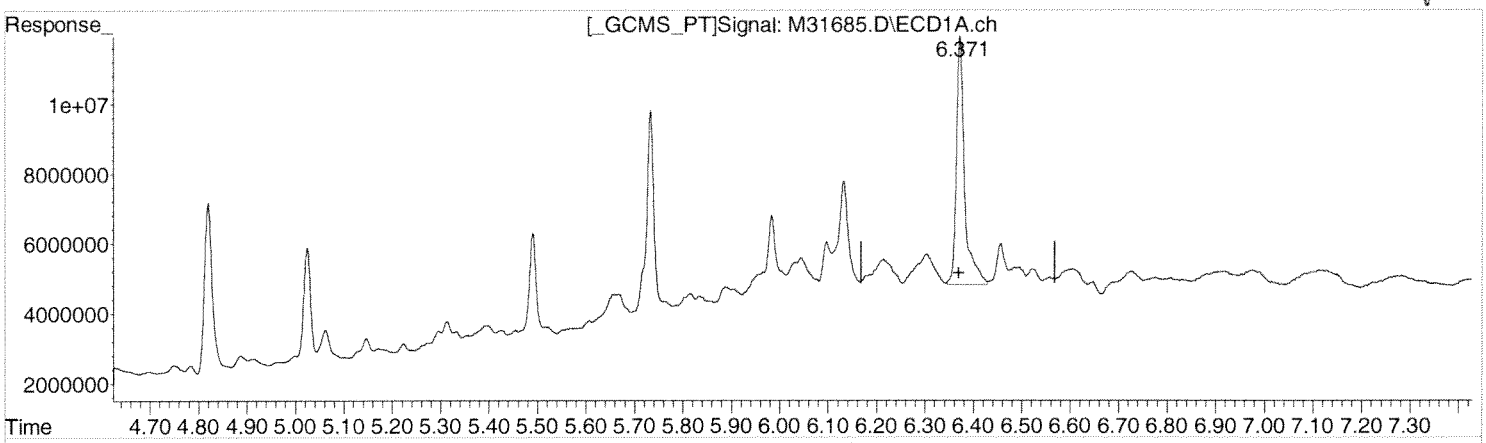
(+) = Expected Retention Time

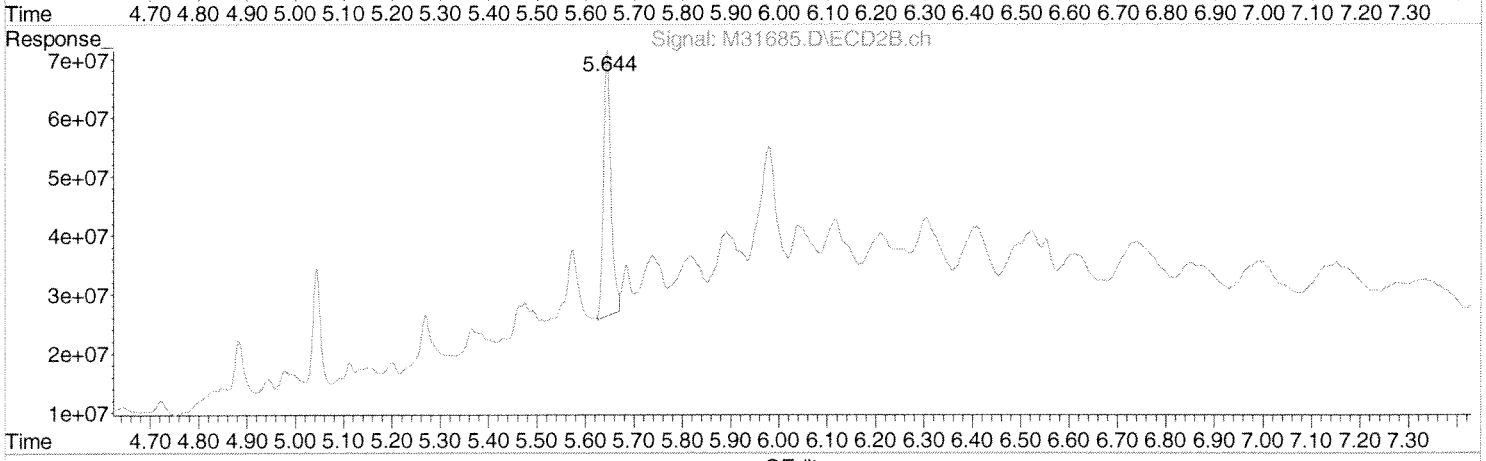
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31685.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:36 pm
Operator : JK
Sample : 67967-1,,A/C
Misc : SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:46 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-15-10





QEdit

(17) DCB (S)

6.371min 71.547 ug/ml m

response 84221513

(17) DCB #2 (S)

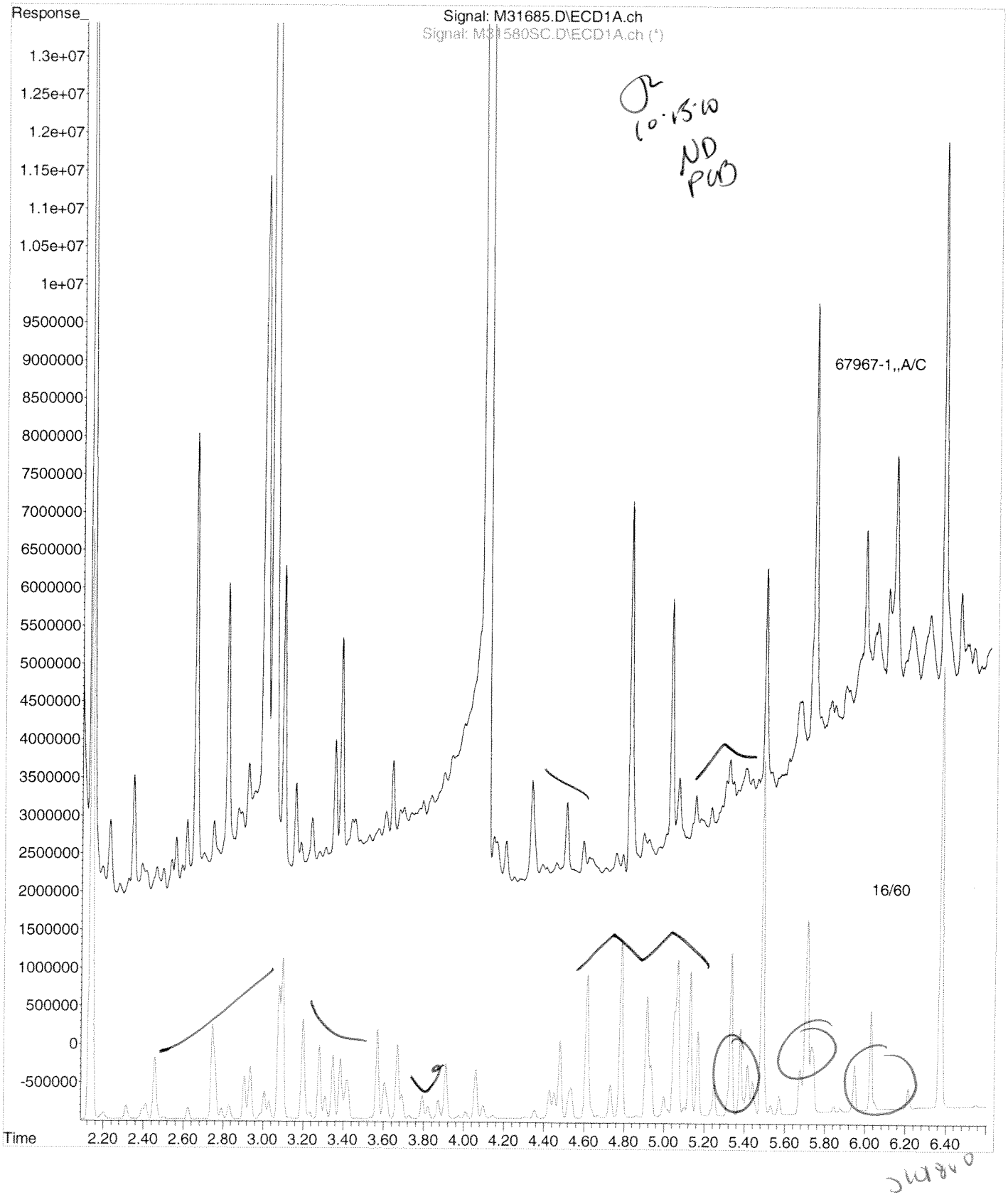
5.644min 65.375 ug/ml m

response 469845007

101810

(+) = Expected Retention Time

File :C:\msdchem\1\DATA\101210-M\M31685.D
Operator : JK
Acquired : 13 Oct 2010 12:36 pm using AcqMethod PEST.M
Instrument : Instrument M
Sample Name: 67967-1,,A/C
Misc Info : SOIL
Vial Number: 10



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: WC-B82-APN-01

Lab Sample ID: 67967-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/08/10
Analysis Date: 10/13/10

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	36	U
PCB-1221	36	U
PCB-1232	36	U
PCB-1242	36	U
PCB-1248	36	U
PCB-1254	36	U
PCB-1260	36	**45**
PCB-1262	36	U
PCB-1268	36	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	85	%
Decachlorobiphenyl	57	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Sample: 67967-2,,A/C
Data File: M31686.D
Dilution Factor: 1.1

10.15.10

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	44	45	4.0	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

PCB FORM 10

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Ext	Wt (kg)	% Sol	Dil	CF	DF
67967-2,,A/C	SOIL	5	10.38	0.01038	0.8848	1	544.41181	1.0888236

PCB FORM 10

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:46 pm
Operator : JK
Sample : 67967-2,,A/C
Misc : SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:57:51 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10-15-10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.137	1.804	156.2E6	678.6E6	85.352	78.080
Spiked Amount	100.000 Range	40 - 130	Recovery	=	85.35%	78.08%
17) S DCB	6.371	5.643	66572675	470.3E6	56.554m	65.441m
Spiked Amount	100.000 Range	40 - 130	Recovery	=	56.55%	65.44%
Target Compounds						
2) L1M Ar1016 A	2.458	1.972	3203420	10264048	0.056	0.014 #
3) L1M Ar1016 B	3.235	2.223	3862681	20276531	0.044	0.042
4) L1M Ar1016 C	3.274	2.566	360138	83764996	N.D.	0.293 #
5) L1M Ar1016 D	3.349	2.848	801430	9630679	N.D.	0.020 #
6) L1M Ar1016 E	3.565	3.123	1434265	36277900	0.001	0.307 #
Sum Ar1016 A			8500365	160.2E6	0.066	0.676
Average Ar1016 A					0.022	0.135
7) L2M Ar1260 A	4.614	3.743	5889909	37355824	0.047m	0.078 #
8) L2M Ar1260 B	4.784	3.958	6592131	40126581	0.048	0.051
9) L2M Ar1260 C	4.915	4.181	4137648	58980180	0.016	0.075 #
10) L2M Ar1260 D	5.128	4.273	9835263	61149546	0.119m	0.132
11) L2M Ar1260 E	5.332	4.472	14566615	35191816	0.172m	0.081 #
Sum Ar1260 A			41021568	232.8E6	0.401	0.417
Average Ar1260 A					0.080	0.083
12) L3M Ar1254 A	3.926	3.123	3793497	36277900	0.057	0.134 #
13) L3M Ar1254 B	4.060	3.305	1181869	23565568	0.016	0.045 #
14) L3M Ar1254 C	4.325	3.507	1774444	10564791	0.029	0.034
15) L3M Ar1254 D	4.614	3.831	8735758	8485859	0.097	0.018 #
16) L3M Ar1254 E	4.784	3.958	6592131	40126581	0.123	0.094
Sum Ar1254 A			22077699	119.0E6	0.322	0.325
Average Ar1254 A					0.064	0.065

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

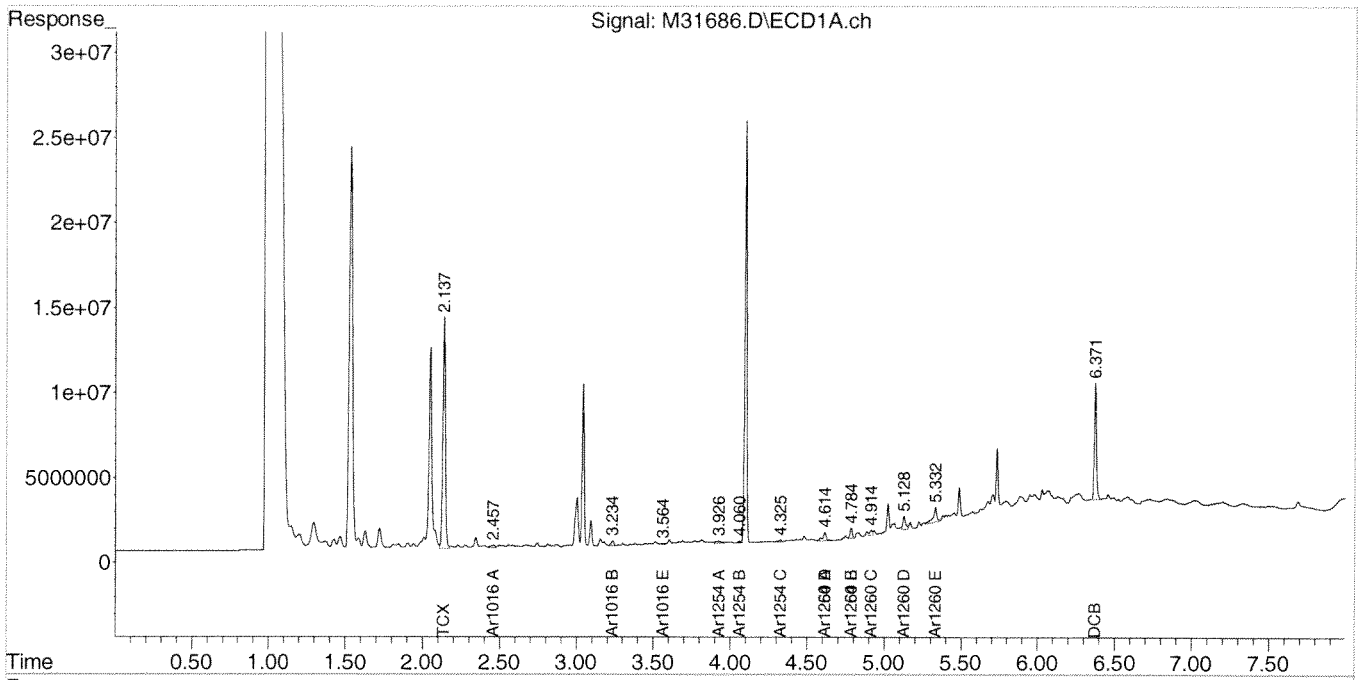
Sample Contains Ar 1260

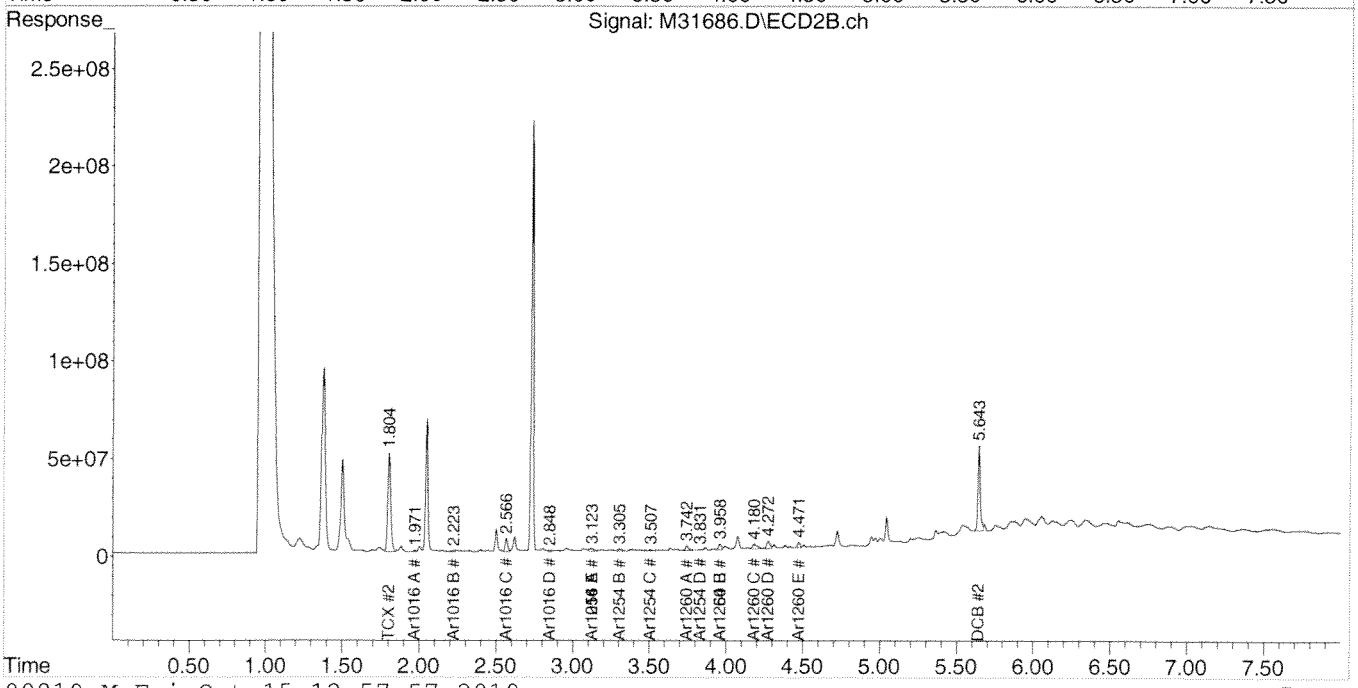
JL 101310

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:46 pm
Operator : JK
Sample : 67967-2,,A/C
Misc : SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:57:51 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



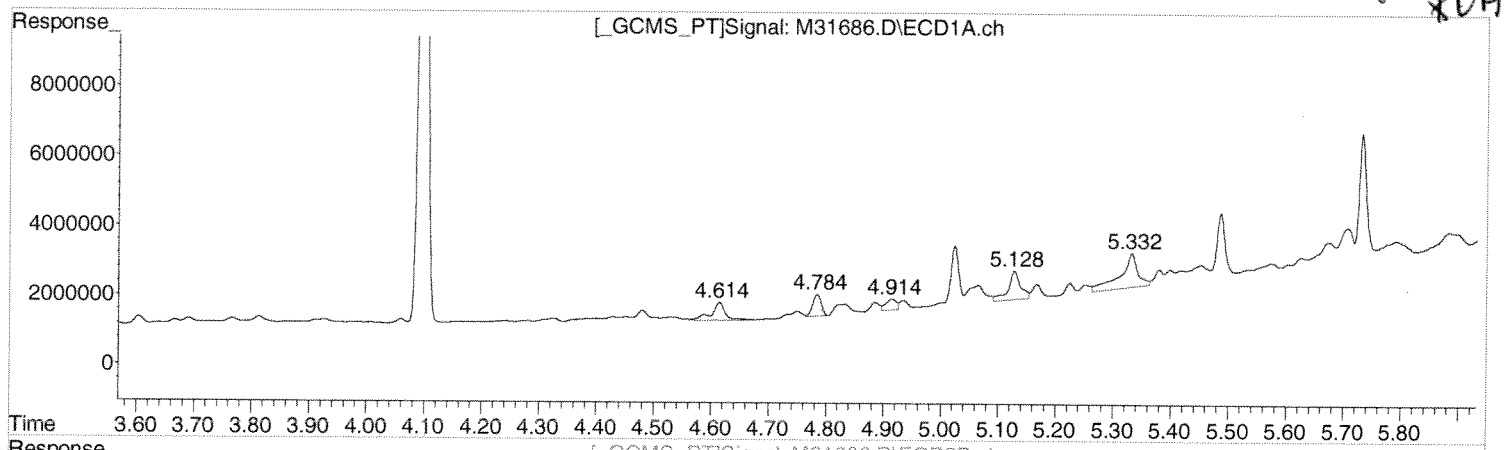


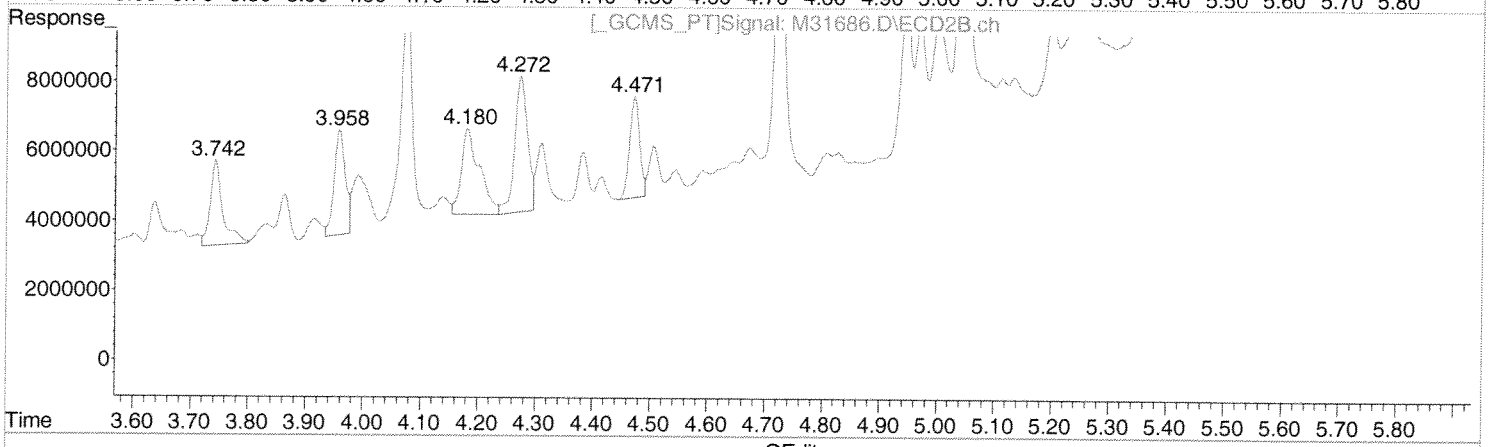
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:46 pm
Operator : JK
Sample : 67967-2,,A/C
Misc : SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:34:55 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10.15.10 KEA





(7) Ar1260 A (L2M)

R.T.	Response	Conc
4.61	8735758	0.08
4.78	6592131	0.05
4.91	4137648	0.02
5.13	12390557	0.16
5.33	20449520	0.25

(7) Ar1260 A #2 (L2M)

R.T.	Response	Conc
3.74	37355824	0.08
3.96	40126581	0.05
4.18	58980180	0.08
4.27	61149546	0.13
4.47	35191816	0.08

310810

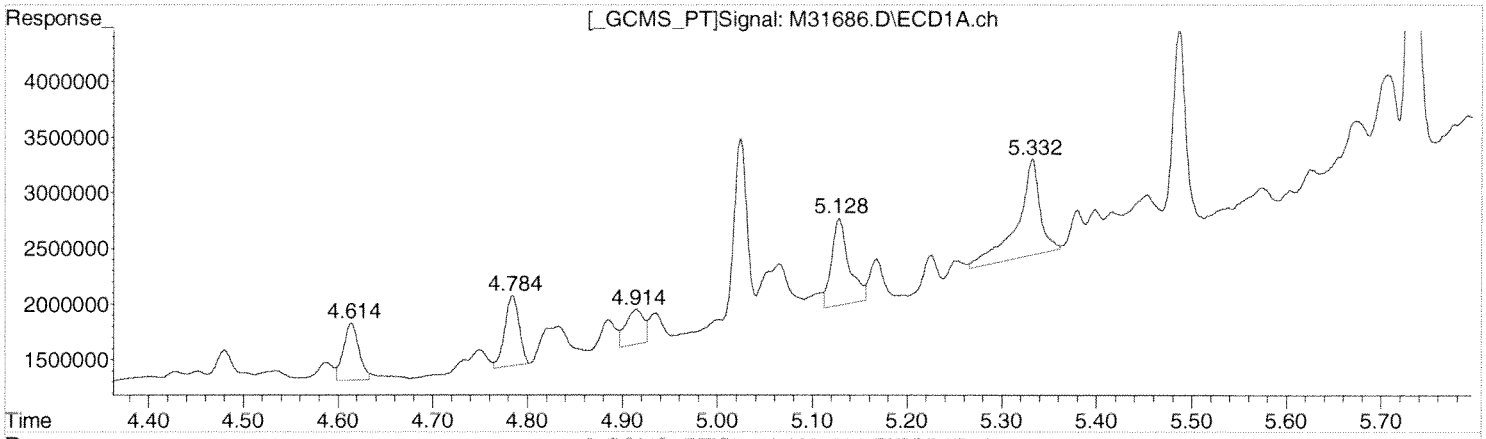
(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:57:37 2010

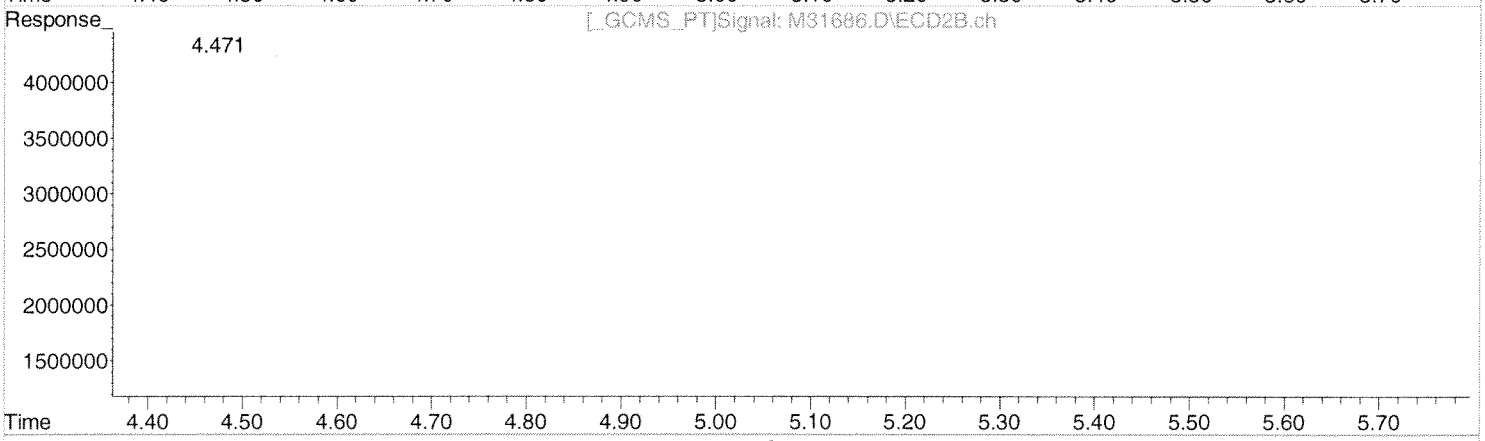
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:46 pm
Operator : JK
Sample : 67967-2,,A/C
Misc : SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:34:55 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.15.10





QEdit

(7) Ar1260 A #2 (L2M)

R.T.	Response	Conc
4.61	5889909	0.05
4.78	6592131	0.05
4.91	4137648	0.02
5.13	9835263	0.12
5.33	14566615	0.17

(7) Ar1260 A #2 (L2M)

R.T.	Response	Conc
3.74	37355824	0.08
3.96	40126581	0.05
4.18	58980180	0.08
4.27	61149546	0.13
4.47	35191816	0.08

3101810

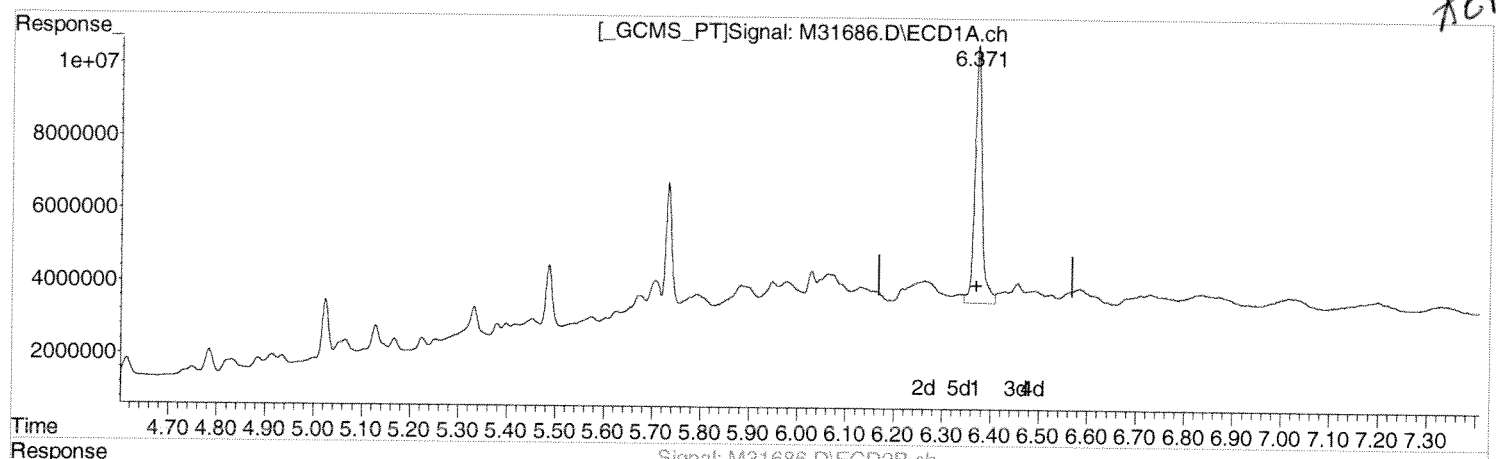
(+) = Expected Retention Time

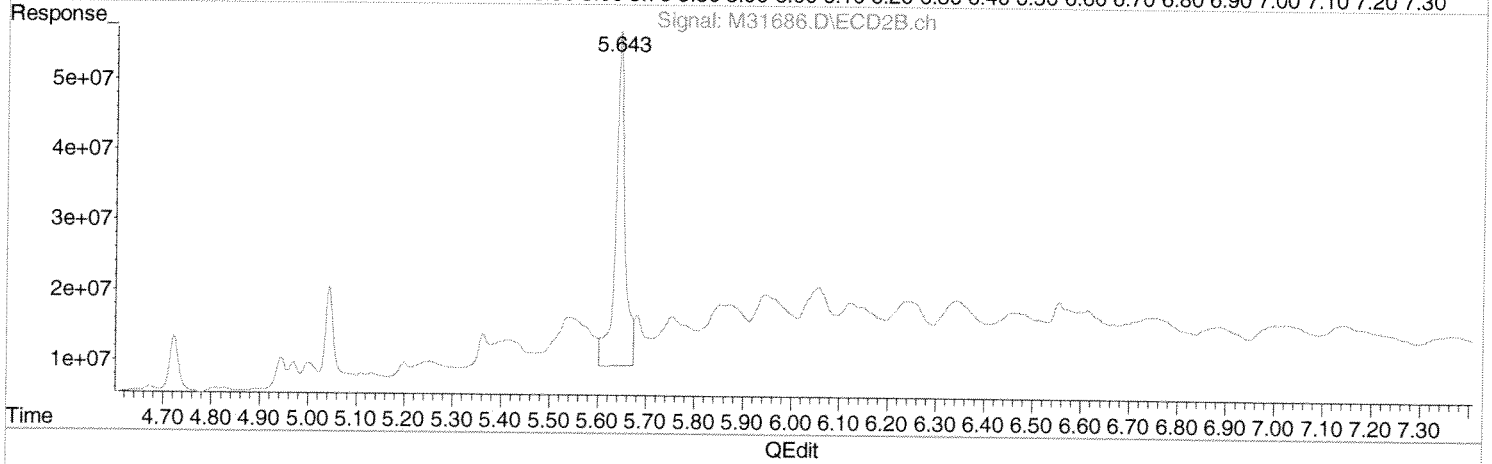
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:46 pm
Operator : JK
Sample : 67967-2,,A/C
Misc : SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:48 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-15-10 KCA





QEdit

(17) DCB (S)
6.371min 64.151 ug/ml
response 75515952

(17) DCB #2 (S)
5.643min 89.606 ug/ml
response 643989927

3/01/2010

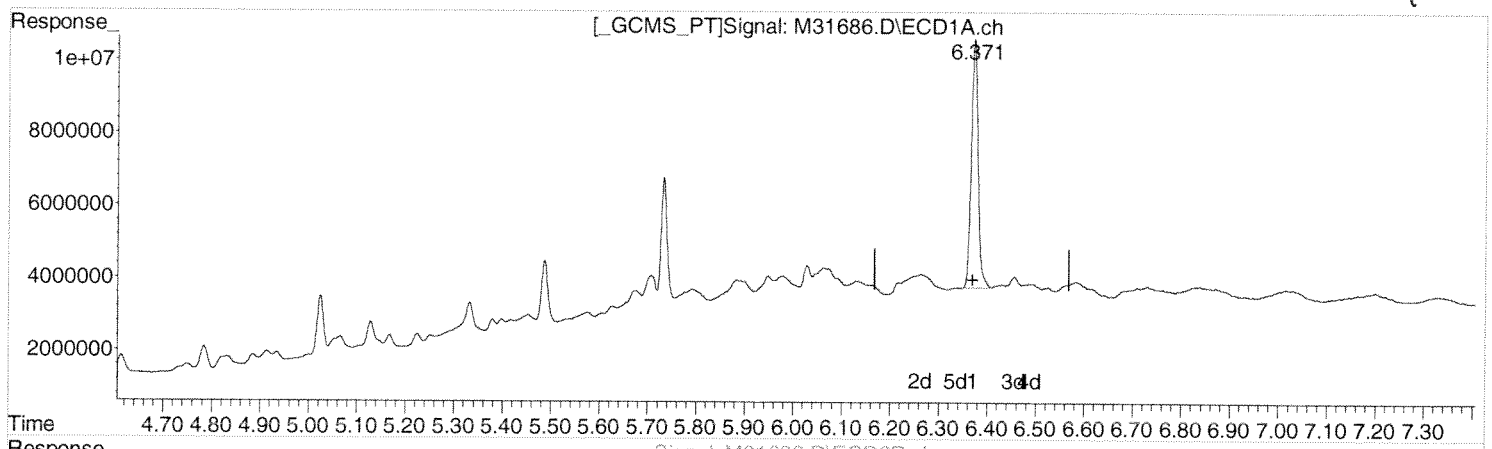
(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:34:48 2010

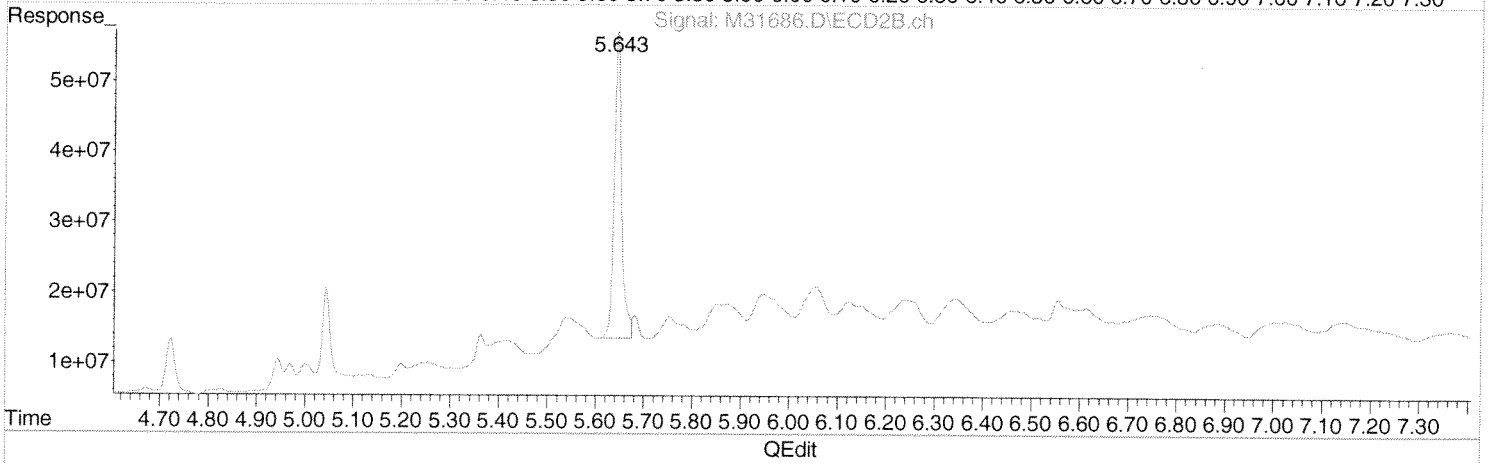
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:46 pm
Operator : JK
Sample : 67967-2,,A/C
Misc : SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:48 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10.18.10





QEdit

(17) DCB (S)

6.371min 56.554 ug/ml m

response 66572675

(17) DCB #2 (S)

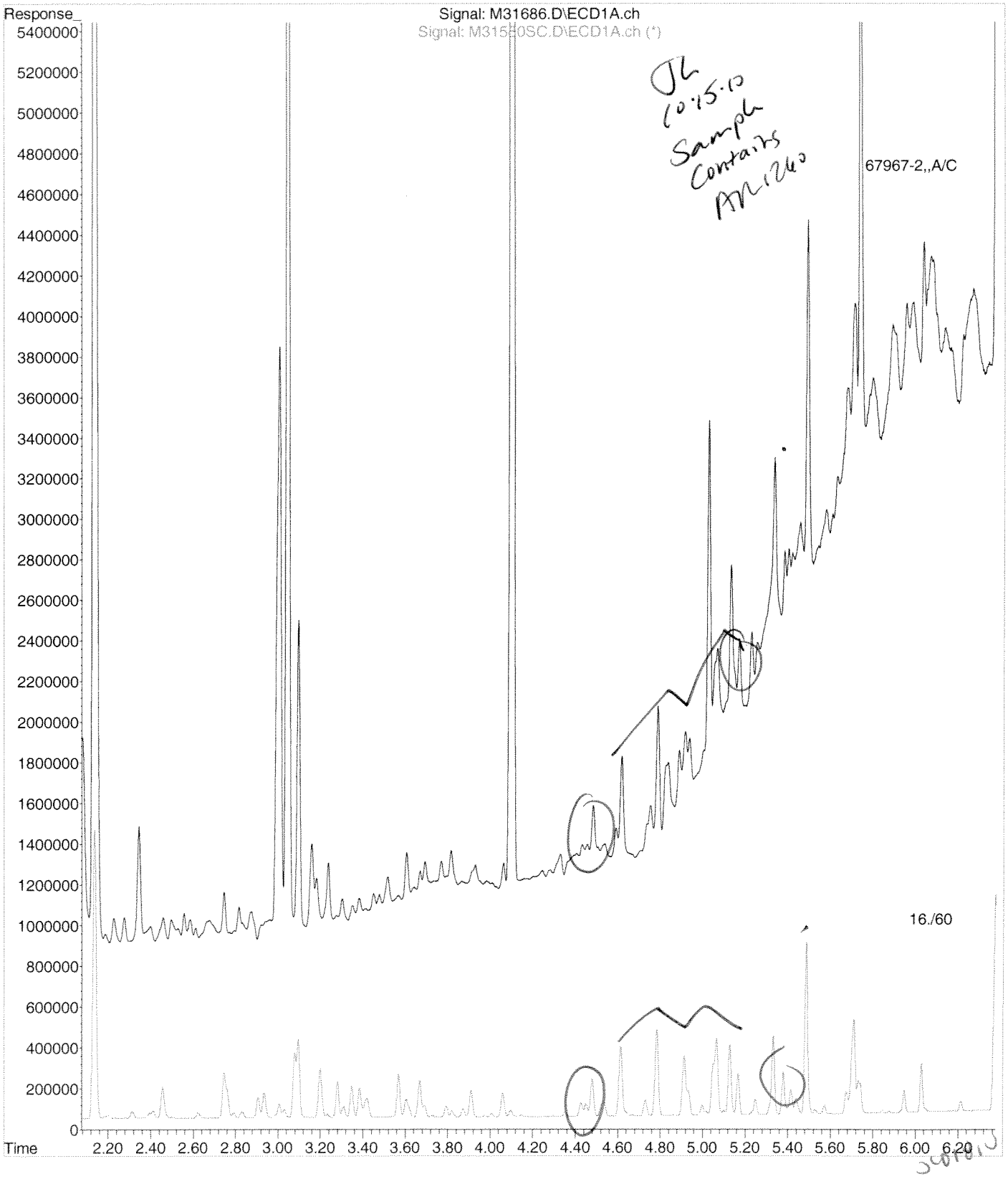
5.643min 65.441 ug/ml m

response 470314030

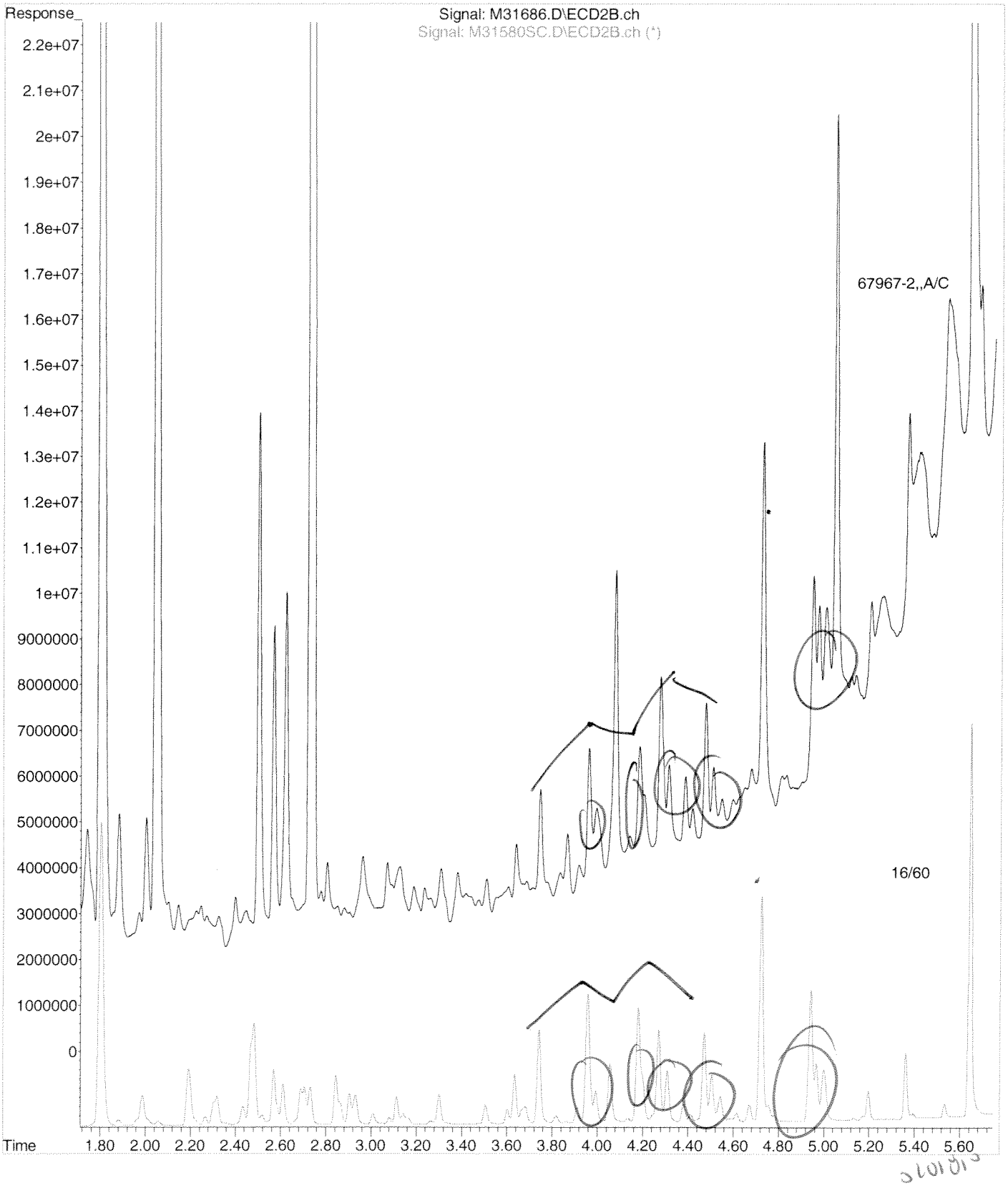
101810

(+) = Expected Retention Time

File :C:\msdchem\1\DATA\101210-M\M31686.D
Operator : JK
Acquired : 13 Oct 2010 12:46 pm using AcqMethod PEST.M
Instrument : Instrument M
Sample Name: 67967-2,,A/C
Misc Info : SOIL
Vial Number: 11



File :C:\msdchem\1\DATA\101210-M\M31686.D
Operator : JK
Acquired : 13 Oct 2010 12:46 pm using AcqMethod PEST.M
Instrument : Instrument M
Sample Name: 67967-2,,A/C
Misc Info : SOIL
Vial Number: 11



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 67967-3
Matrix: Solid
Percent Solid: 80
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/08/10
Analysis Date: 10/13/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-01

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	40	U
PCB-1221	40	U
PCB-1232	40	U
PCB-1242	40	U
PCB-1248	40	U
PCB-1254	40	U
PCB-1260	40	U
PCB-1262	40	U
PCB-1268	40	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	107	%
Decachlorobiphenyl	52	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:56 pm
Operator : JK
Sample : 67967-3,,A/C
Misc : SOIL
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:36:04 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

$DF = \frac{(10)(5)}{(10.55)(.8022)(5)} = 1.18$

JK 10.15.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.136	1.803	195.2E6	692.9E6	106.642	79.727 #
Spiked Amount	100.000 Range	40 - 130	Recovery	=	106.64%	79.73%
17) S DCB	6.371	5.644	61434697	392.3E6	52.189m	54.590m
Spiked Amount	100.000 Range	40 - 130	Recovery	=	52.19%	54.59%
Target Compounds						
2) L1M Ar1016 A	2.434	1.973	25356077	31591152	0.812	0.142 #
3) L1M Ar1016 B	3.181	2.179	9744899	2600982	0.162	N.D. #
4) L1M Ar1016 C	3.262	2.566	3822489	127.4E6	0.088	0.454 #
5) L1M Ar1016 D	3.347	2.848	10119869	2674270	0.328	N.D. #
6) L1M Ar1016 E	3.558	3.088	8730471	69469794	0.182	0.607 #
Sum Ar1016 A			57773804	228.5E6	1.573	1.181
Average Ar1016 A					0.315	0.394
7) L2M Ar1260 A	4.614	3.743	3232389	11131340	0.011	0.014
8) L2M Ar1260 B	4.785	3.958	1631614	10920534	N.D.	0.005 #
9) L2M Ar1260 C	4.912	4.182	1748329	12155878	N.D.	0.007 #
10) L2M Ar1260 D	5.144	4.282	3467191	26336523	0.021	0.052 #
11) L2M Ar1260 E	5.335	4.472	5002632	7612819	0.044	0.014 #
Sum Ar1260 A			11702212	68157094	0.055	0.093
Average Ar1260 A					0.018	0.019
12) L3M Ar1254 A	3.932	3.088	22347198	69469794	0.335	0.256
13) L3M Ar1254 B	4.097	3.304	1019.8E6	28250356	13.813	0.054 #
14) L3M Ar1254 C	4.326	3.512	4162308	7702700	0.069	0.025 #
15) L3M Ar1254 D	4.614	3.820	3232389	9175107	0.036	0.019 #
16) L3M Ar1254 E	4.785	3.958	1631614	10920534	0.031	0.026
Sum Ar1254 A			1051.1E6	125.5E6	14.283	0.380
Average Ar1254 A					2.857	0.076

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

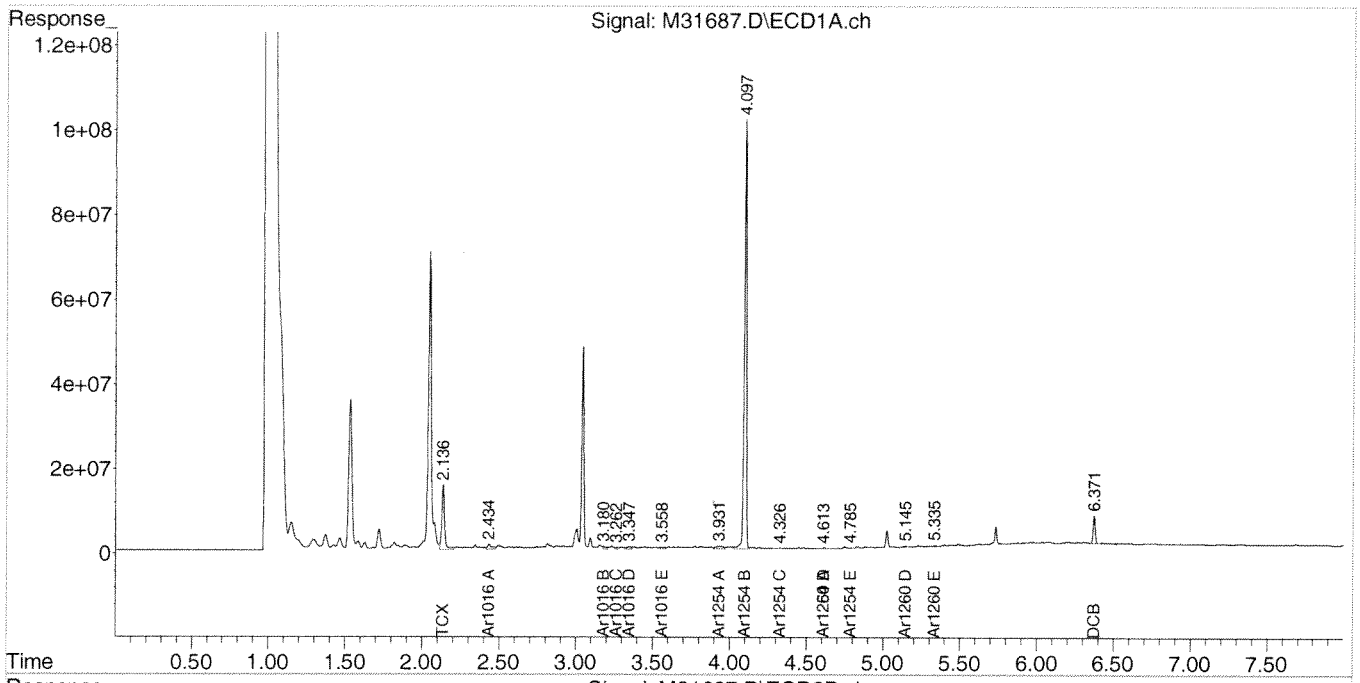
ND
PCB

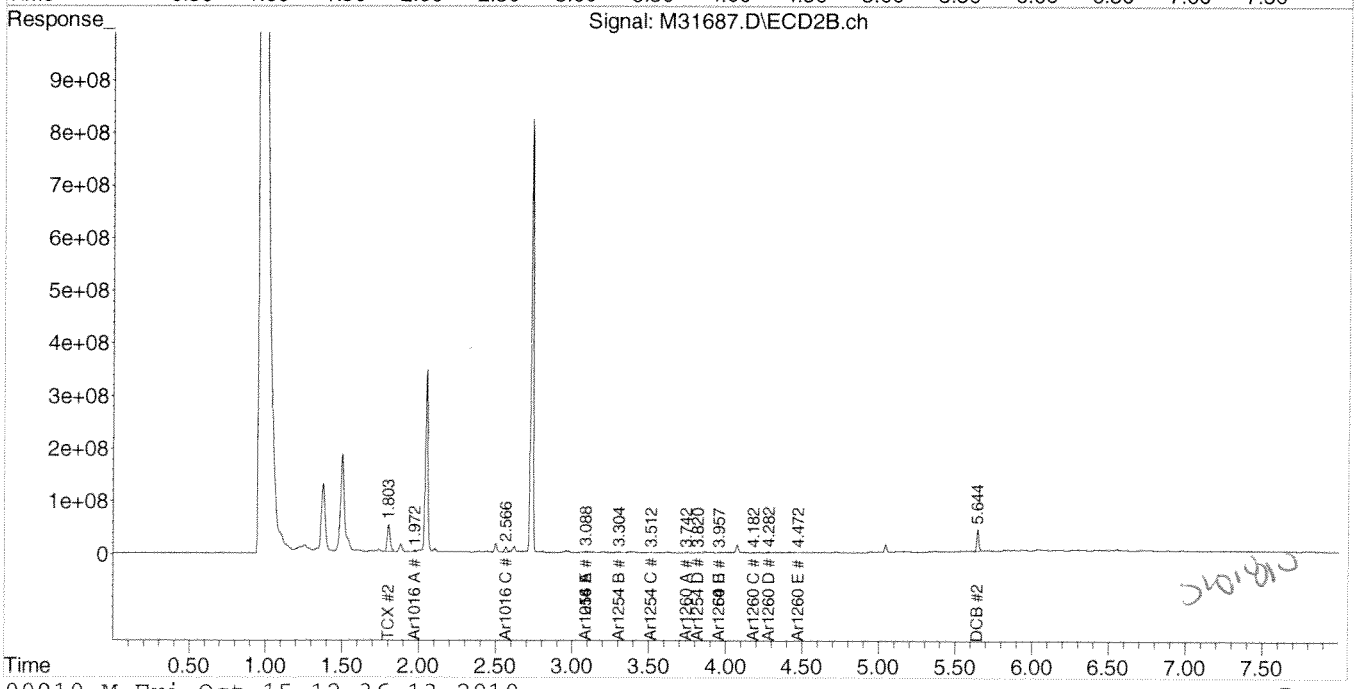
3/01/10

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:56 pm
Operator : JK
Sample : 67967-3,,A/C
Misc : SOIL
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:36:04 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



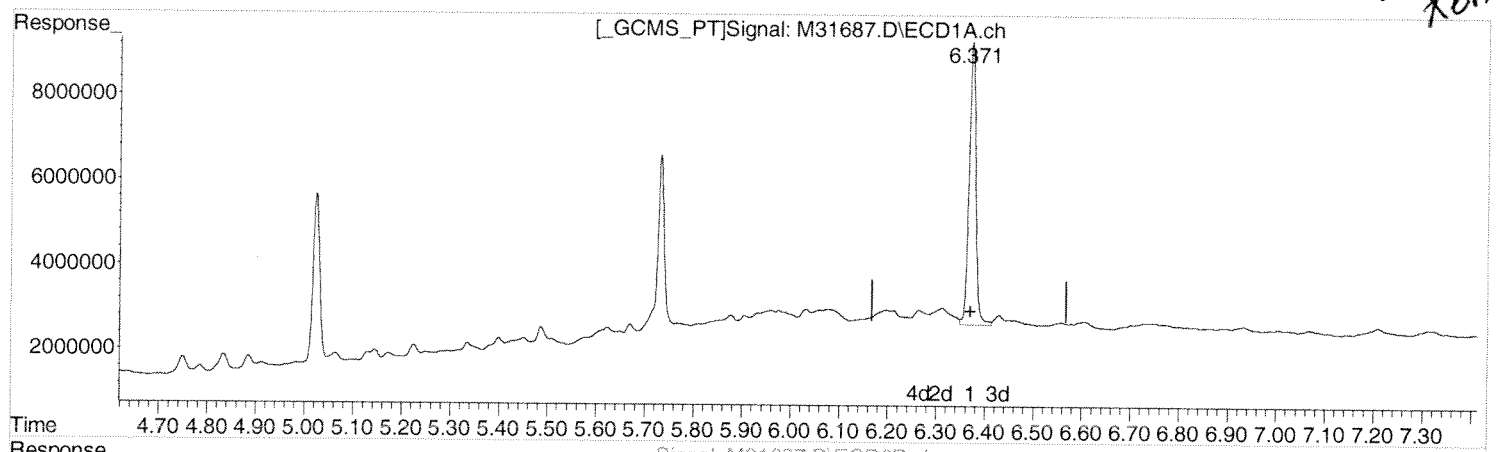


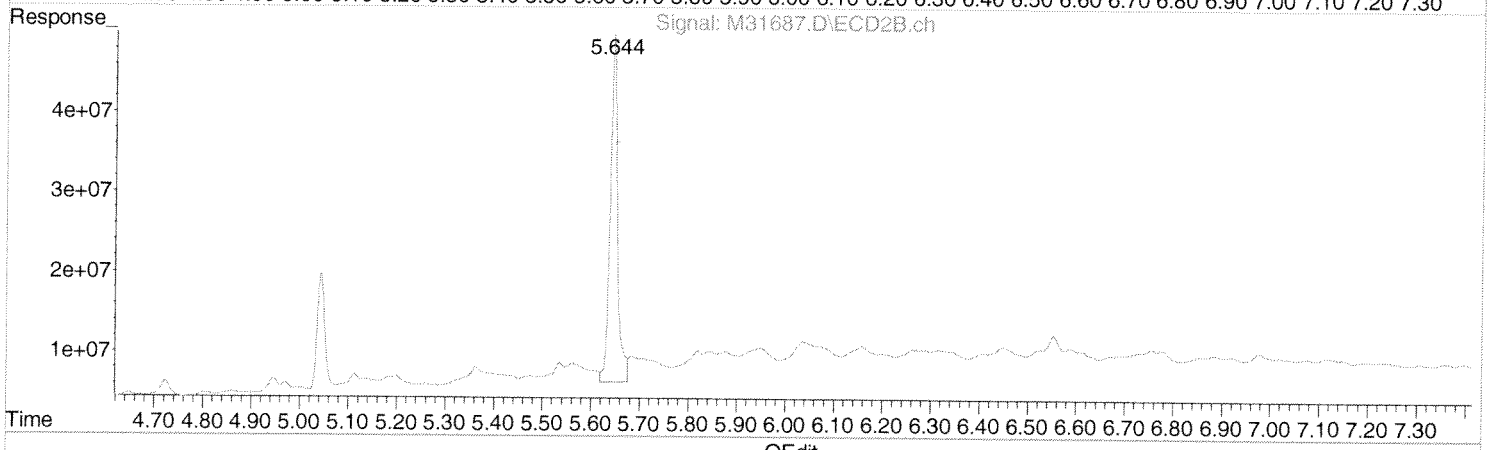
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:56 pm
Operator : JK
Sample : 67967-3,,A/C
Misc : SOIL
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:50 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.15.10 KEA





QEdit

(17) DCB (S)
6.372min 55.547 ug/ml
response 65387066

(17) DCB #2 (S)
5.644min 63.011 ug/ml
response 452851227

10/15/10

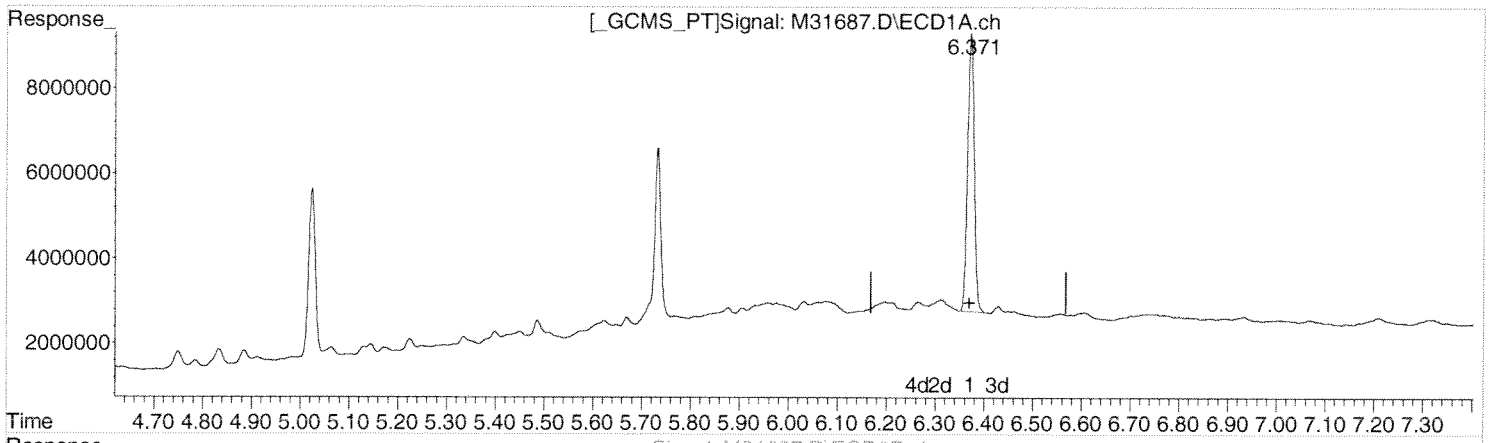
(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:35:51 2010

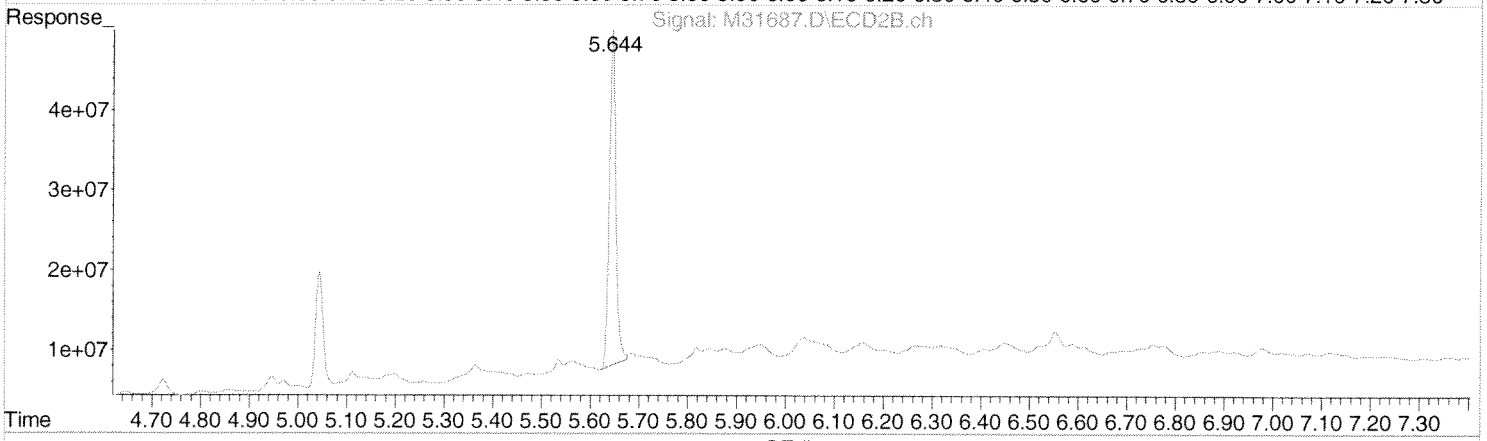
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:56 pm
Operator : JK
Sample : 67967-3,,A/C
Misc : SOIL
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:50 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.15.10





QEdit

(17) DCB (S)

6.371min 52.189 ug/ml m

response 61434697

(17) DCB #2 (S)

5.644min 54.590 ug/ml m

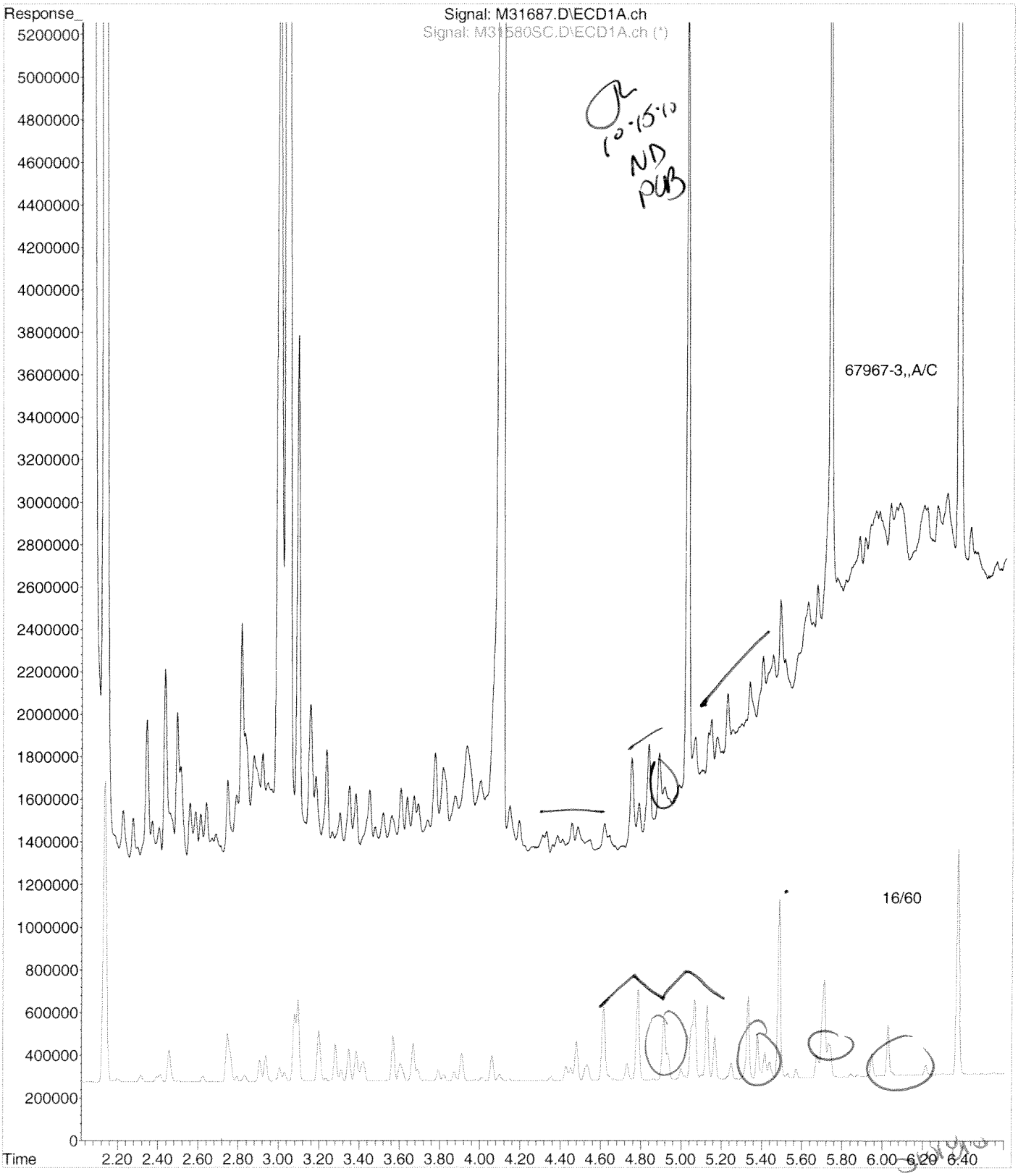
response 392329449

10/15/10

(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:36:08 2010

Page: 1

File :C:\msdchem\1\DATA\101210-M\M31687.D
Operator : JK
Acquired : 13 Oct 2010 12:56 pm using AcqMethod PEST.M
Instrument : Instrument M
Sample Name: 67967-3,,A/C
Misc Info : SOIL
Vial Number: 12



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	67967-4
Matrix:	Solid
Percent Solid:	91
Dilution Factor:	1.0
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/08/10
Analysis Date:	10/13/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GTM-02

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	**27 J**
PCB-1262	33	U
PCB-1268	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	93	%
Decachlorobiphenyl	57	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Sample: 67967-4,,A/C
Data File: M31690.D
Dilution Factor: 1.0

10.15.17

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	25	27	9.5	

Column to be used to flag RPD values greater than QC limit of 40%
* Values outside QC limits

Comments: _____

PCB FORM 10

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Ext	Wt (kg)	% Sol	Dil	CF	DF
67967-4,,A/C	SOIL	5	10.86	0.01086	0.9079	1	507.10999	1.01422

PCB FORM 10

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31690.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:27 pm
Operator : JK
Sample : 67967-4,,A/C
Misc : SOIL
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:42:28 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-15-11

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.137	1.804	170.9E6	727.0E6	93.381	83.639
Spiked Amount	100.000	Range	40 - 130	Recovery	= 93.38%	83.64%
17) S DCB	6.371	5.643	66961760	436.2E6	56.885m	60.700m
Spiked Amount	100.000	Range	40 - 130	Recovery	= 56.88%	60.70%
Target Compounds						
2) L1M Ar1016 A	2.464	1.972	3896213	11578112	0.080	0.022 #
3) L1M Ar1016 B	3.182	2.184	4593756	2396432	0.059	N.D. #
4) L1M Ar1016 C	3.261	2.566	1475119	66262951	0.015	0.229 #
5) L1M Ar1016 D	3.335	2.848	1795620	4457294	0.021	0.001 #
6) L1M Ar1016 E	3.555	3.108	5538515	21004397	0.103	0.169 #
Sum Ar1016 A			17299223	103.3E6	0.278	0.404
Average Ar1016 A					0.056	0.101
7) L2M Ar1260 A	4.614	3.743	5763200	20377300	0.045	0.036
8) L2M Ar1260 B	4.784	3.958	4589159	29359760	0.025	0.034 #
9) L2M Ar1260 C	4.914	4.182	4621103	30360604	0.022	0.034 #
10) L2M Ar1260 D	5.128	4.272	7743699	42447096	0.087	0.089
11) L2M Ar1260 E	5.333	4.471	6571797	32325691	0.065	0.074
Sum Ar1260 A			29288957	154.9E6	0.243	0.267
Average Ar1260 A					0.049	0.053
12) L3M Ar1254 A	3.929	3.108	9213909	21004397	0.138	0.078 #
13) L3M Ar1254 B	4.062	3.303	1162128	5200910	0.016	0.010 #
14) L3M Ar1254 C	4.357	3.514	643355	20438579	0.011	0.066 #
15) L3M Ar1254 D	4.614	3.821	5763200	24692148	0.064	0.051
16) L3M Ar1254 E	4.784	3.958	4589159	29359760	0.086	0.069
Sum Ar1254 A			21371750	100.7E6	0.314	0.273
Average Ar1254 A					0.063	0.055

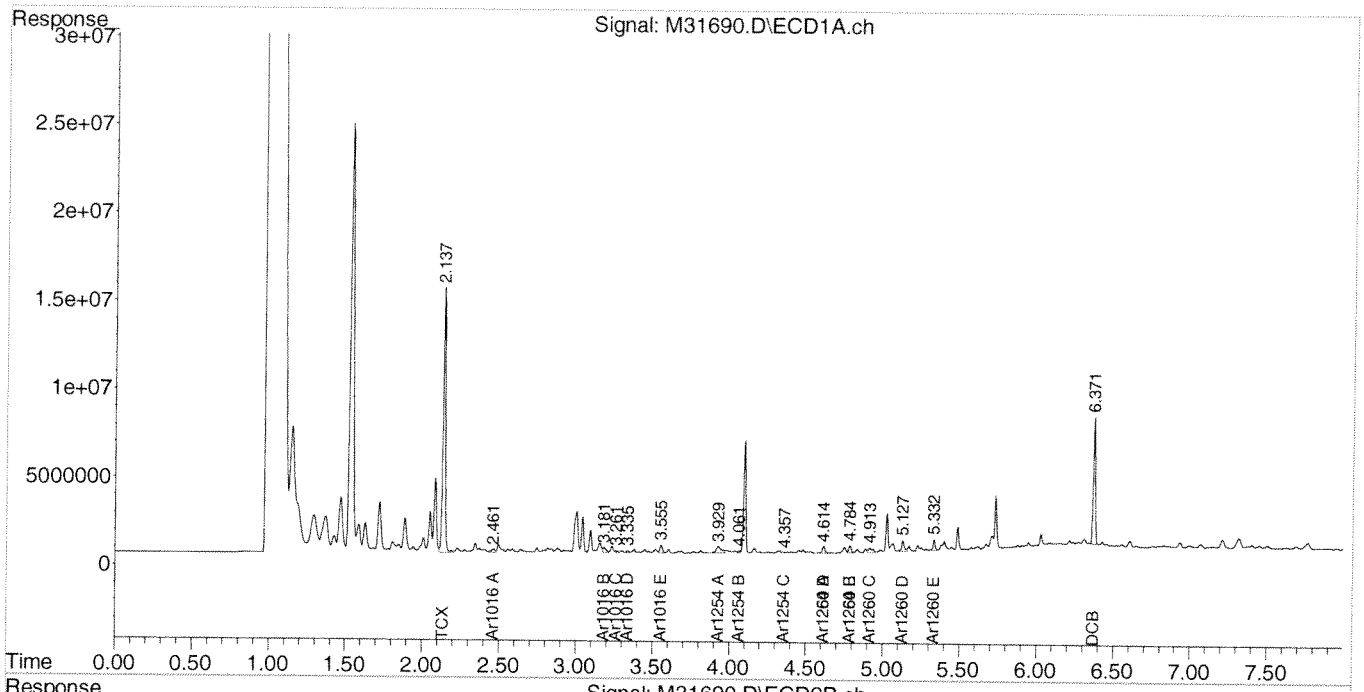
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

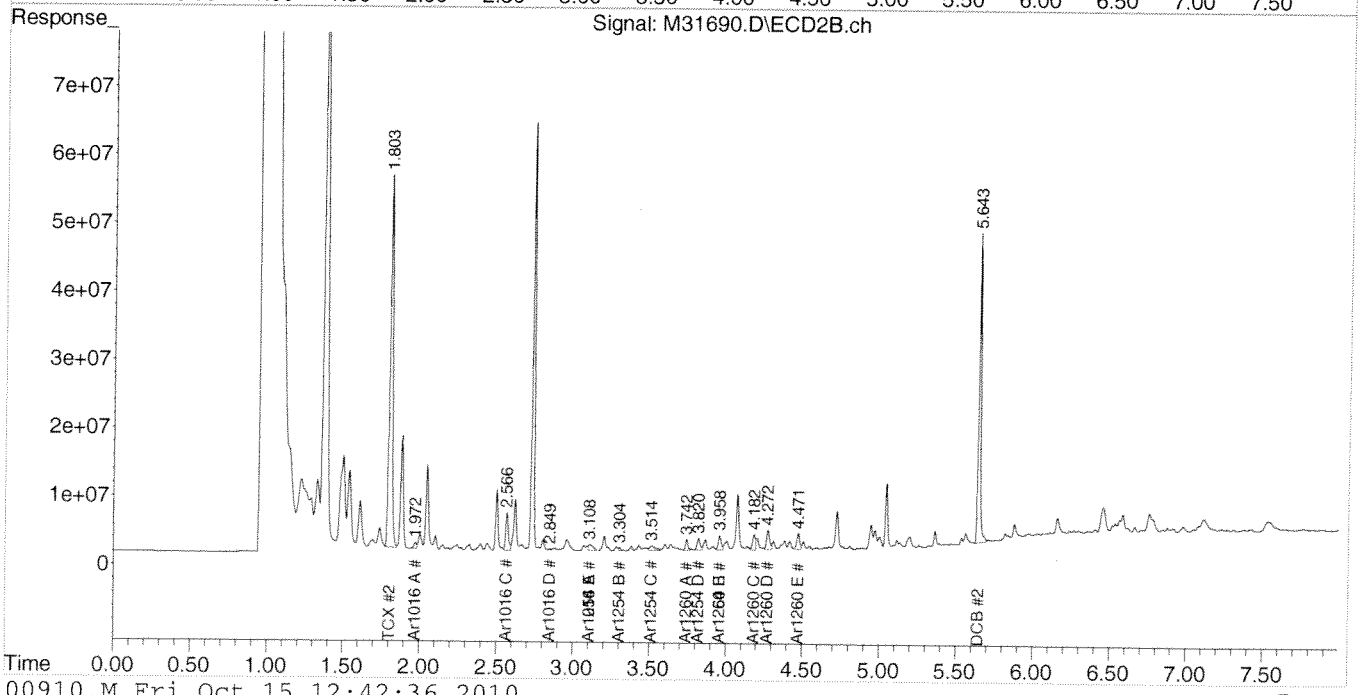
Sample Contains
AR 1260 101810

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31690.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:27 pm
Operator : JK
Sample : 67967-4,,A/C
Misc : SOIL
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:42:28 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



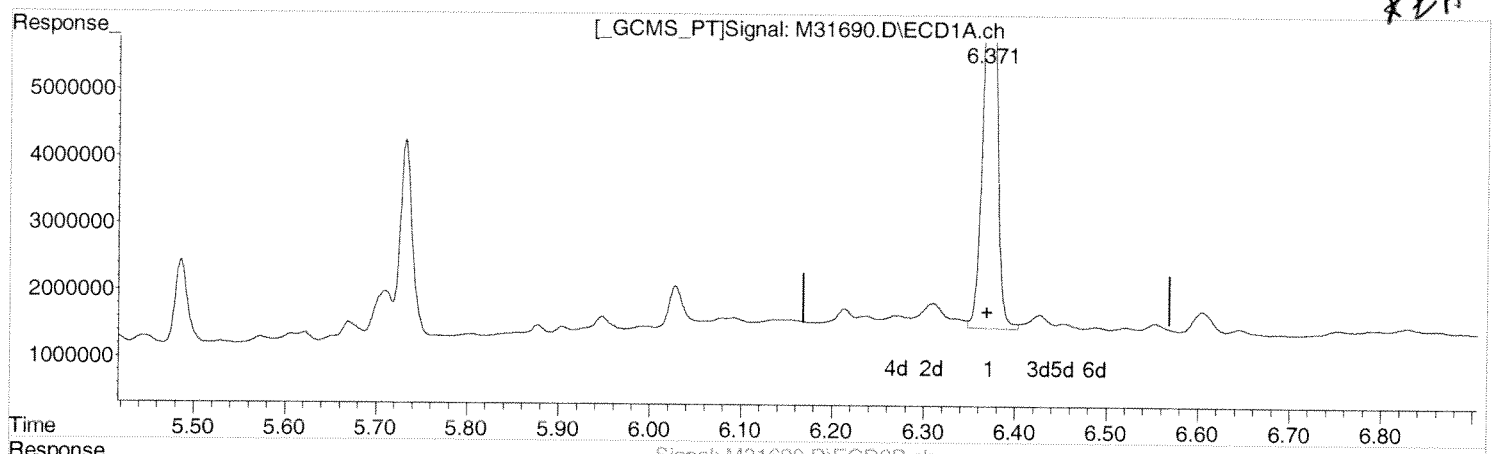


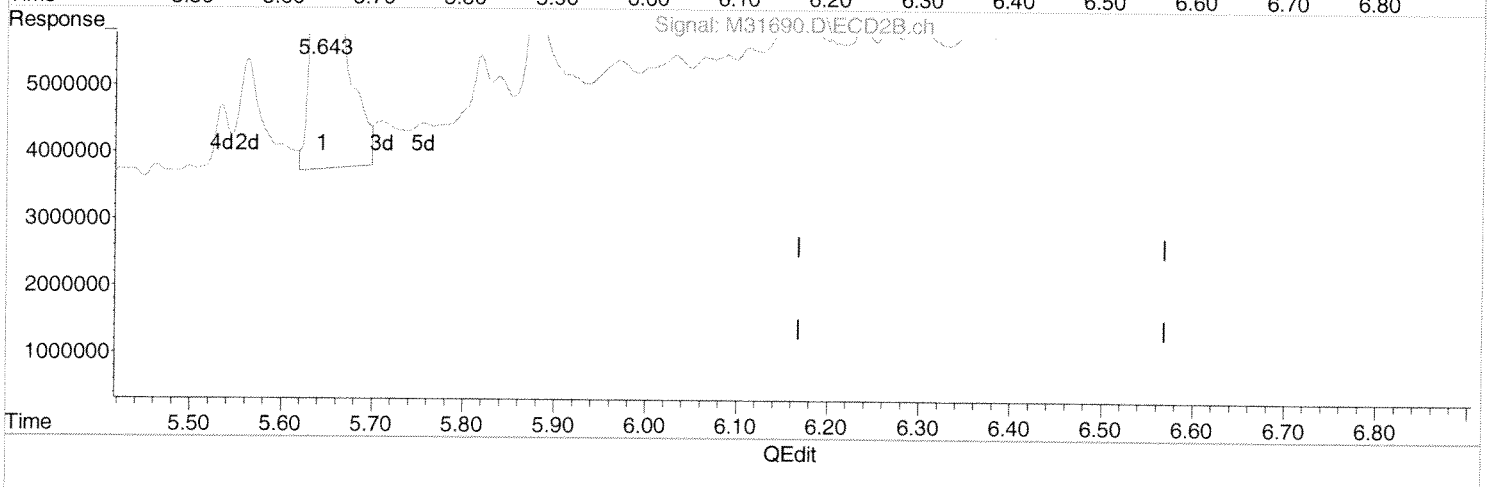
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31690.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:27 pm
Operator : JK
Sample : 67967-4,,A/C
Misc : SOIL
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:56 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-15-10 KZA





(17) DCB (S)

6.371min 59.186 ug/ml

response 69670407

(17) DCB #2 (S)

5.644min 62.736 ug/ml

response 450877834

101810

(+) = Expected Retention Time

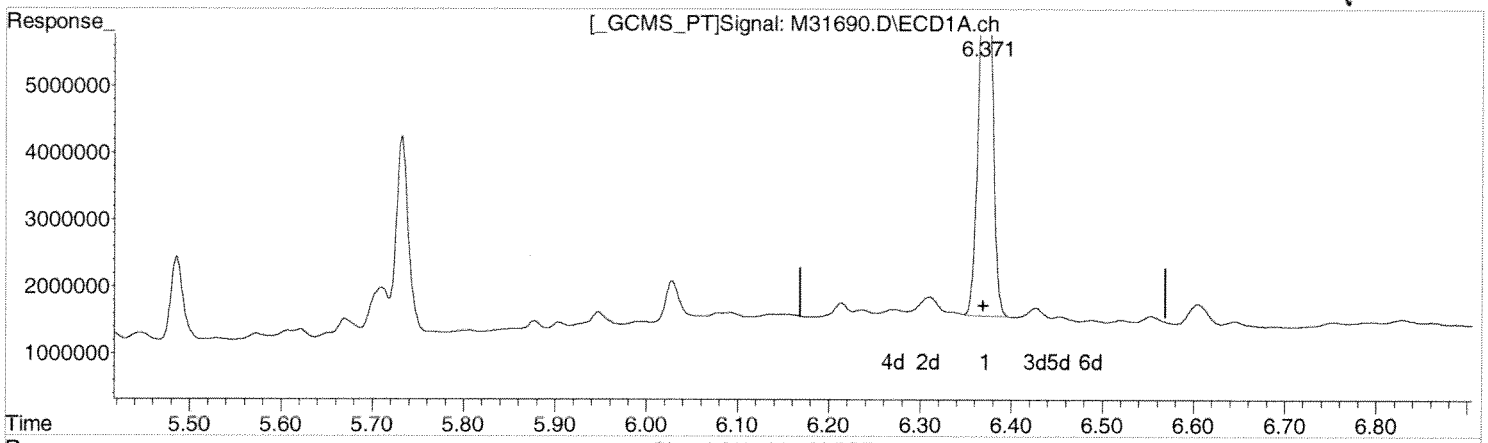
PCB100910.M Fri Oct 15 12:42:22 2010

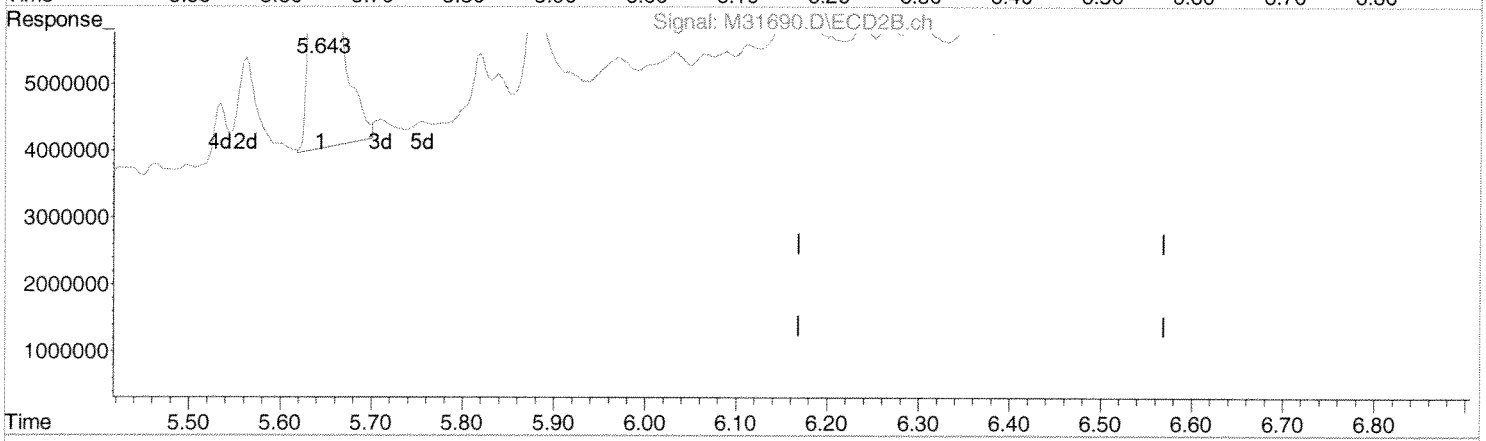
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31690.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:27 pm
Operator : JK
Sample : 67967-4,,A/C
Misc : SOIL
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:56 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10-15-10





QEdit

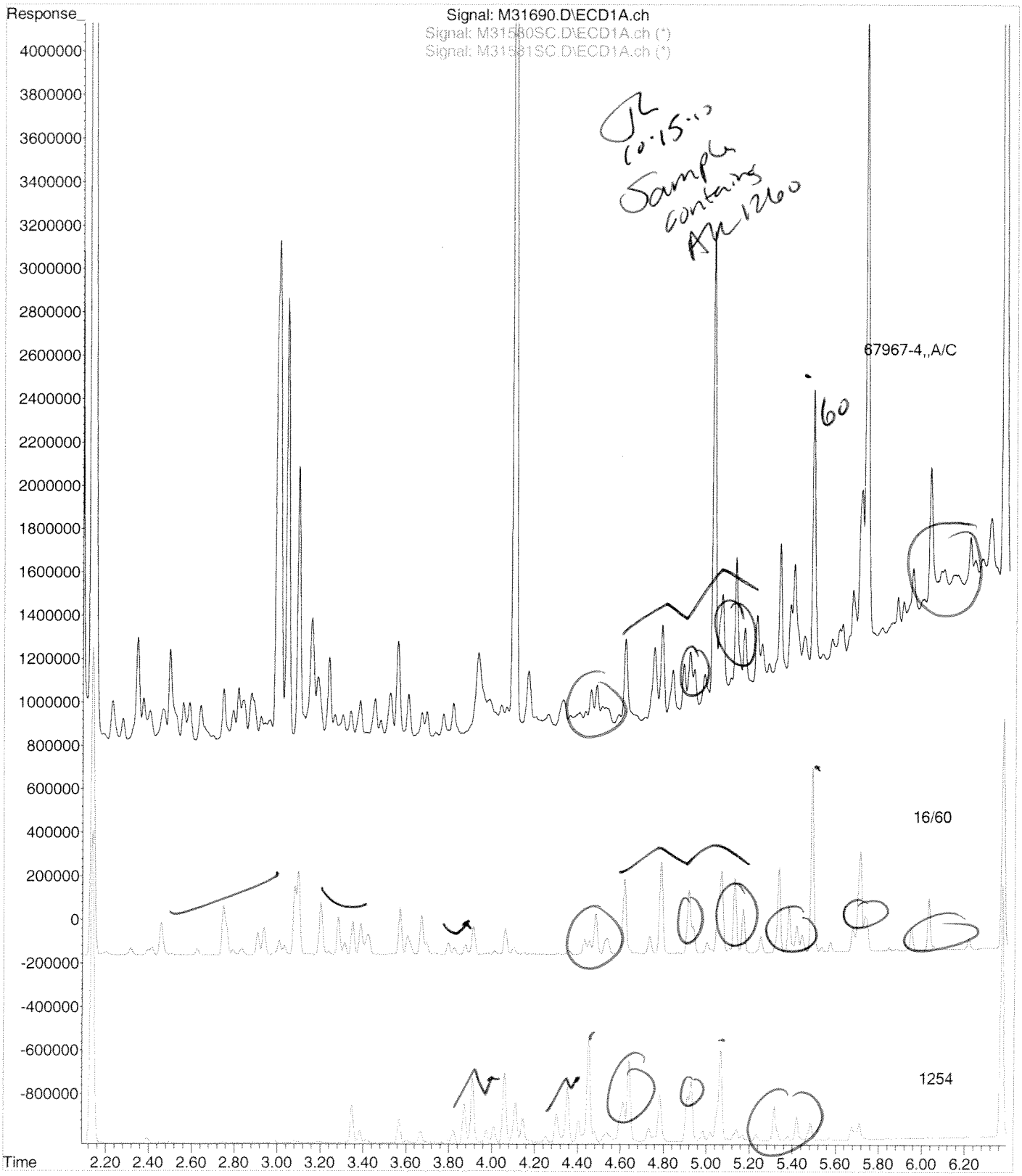
(17) DCB (S)
6.371min 56.885 ug/ml m
response 66961760

(17) DCB #2 (S)
5.643min 60.700 ug/ml m
response 436243143

JW 10/20

(+) = Expected Retention Time

File :C:\msdchem\1\DATA\101210-M\M31690.D
Operator : JK
Acquired : 13 Oct 2010 1:27 pm using AcqMethod PEST.M
Instrument : Instrument M
Sample Name: 67967-4,,A/C
Misc Info : SOIL
Vial Number: 15



JW 1910

PCB
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:PCBQC.doc

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B100810PSOX2,,A/C	105		66		85		67	
L100810PSOX2,,A/C	107		66		90		67	
LD100810PSOX2,,A/C	96		63		87		65	
67967-1,,A/C	91		72		77		65	
67967-2,,A/C	85		57		78		65	
67967-3,,A/C	107		52		80		55	
67967-3,MS,,A/C	90		59		83		60	
67967-3,MSD,,A/C	85		56		82		59	
67967-4,,A/C	93		57		84		61	

		Lower Limit	Upper Limit
SMC #1 =	TCX	40	130
SMC #2 =	DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

10-15-10

SDG:

Non-spiked sample: B100810PSOX2,,A/C

Spike: L100810PSOX2,,A/C

Spike duplicate: LD100810PSOX2,,A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	249	124		217	108		13.7	
PCB 1260	200	200	60	130	30	0	220	110		200	100		9.1	
PCB 1016 #2	200	200	65	140	30	0	231	115		224	112		3.1	
PCB 1260 #2	200	200	60	130	30	0	195	97		186	93		4.6	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 5101810

PCB FORM 3

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31682Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:05 pm
Operator : JK
Sample : L100810PSOX2,,A/C
Misc : SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:28:59 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10-15-10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.137	1.802	195.4E6	779.8E6	106.734	89.724
Spiked Amount	100.000 Range	40 - 130	Recovery	=	106.73%	89.72%
17) S DCB	6.378	5.645	77592725	480.1E6	65.916	66.809
Spiked Amount	100.000 Range	40 - 130	Recovery	=	65.92%	66.81%
Target Compounds						
2) L1M Ar1016 A	2.457	1.998	17465227	182.4E6	0.543m	~~1.045~~ #
3) L1M Ar1016 B	3.201	2.192	22390031	119.7E6	0.415m	0.370
4) L1M Ar1016 C	3.283	2.566	16405511	417.1E6	0.481m	~~1.519~~ #
5) L1M Ar1016 D	3.352	2.845	16920067	109.2E6	0.579	0.378 #
6) L1M Ar1016 E	3.571	3.115	20349644	72807649	0.471	0.637 #
Sum Ar1016 A			93530480	901.2E6	2.489	~~3.950~~ 1.395
Average Ar1016 A					0.498	~~0.790~~ 0.462
7) L2M Ar1260 A	4.617	3.742	34330186	157.2E6	0.426	0.371
8) L2M Ar1260 B	4.787	3.958	37640417	247.0E6	0.397	0.375
9) L2M Ar1260 C	4.917	4.181	39121695	268.4E6	0.434	0.379
10) L2M Ar1260 D	5.131	4.273	35925434	196.2E6	0.518	0.440
11) L2M Ar1260 E	5.334	4.472	33204508	158.9E6	0.421	0.383
Sum Ar1260 A			180.2E6	1027.8E6	2.196	1.948
Average Ar1260 A					0.439	0.390
12) L3M Ar1254 A	3.914	3.115	22379860	72807649	0.336	0.269
13) L3M Ar1254 B	4.062	3.304	12710904	85620003	0.172	0.165
14) L3M Ar1254 C	4.356	3.506	2744601	38789815	0.046	0.124 #
15) L3M Ar1254 D	4.617	3.818	34330186	20111367	0.379	0.042 #
16) L3M Ar1254 E	4.787	3.958	37640417	247.0E6	0.704	0.578
Sum Ar1254 A			109.8E6	464.4E6	1.636	1.178
Average Ar1254 A					0.327	0.236

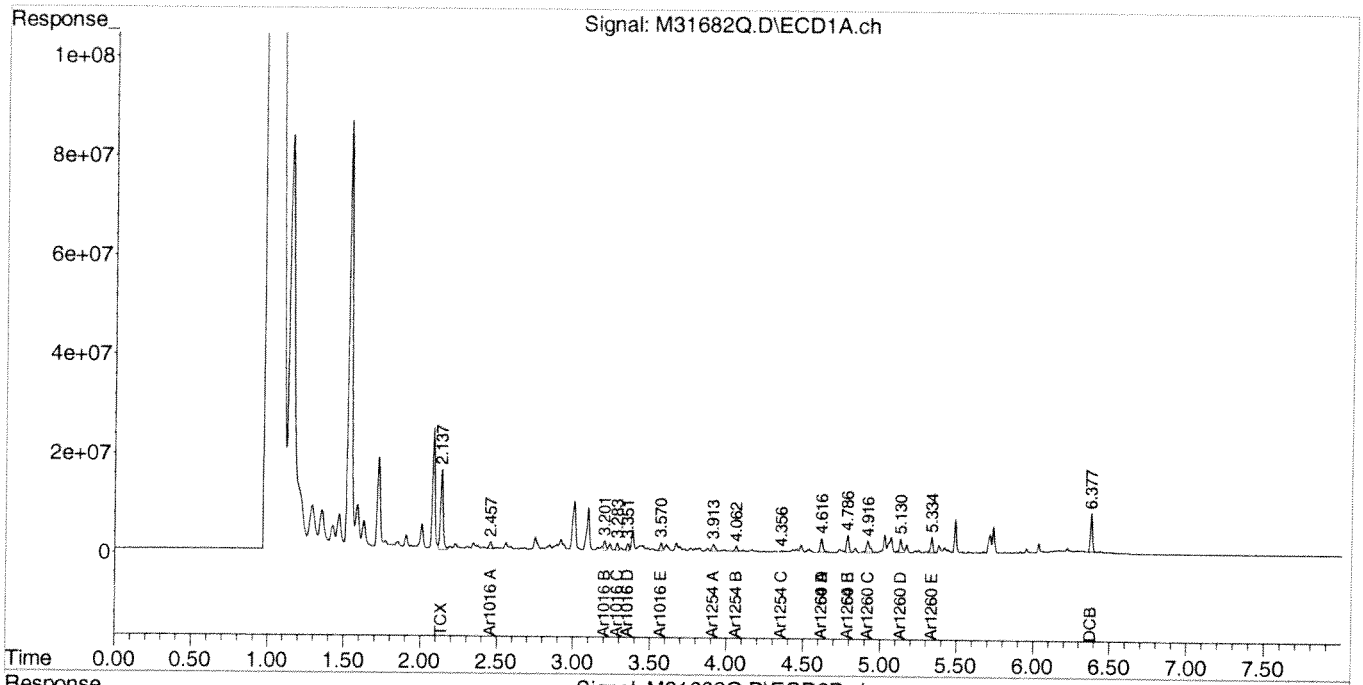
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

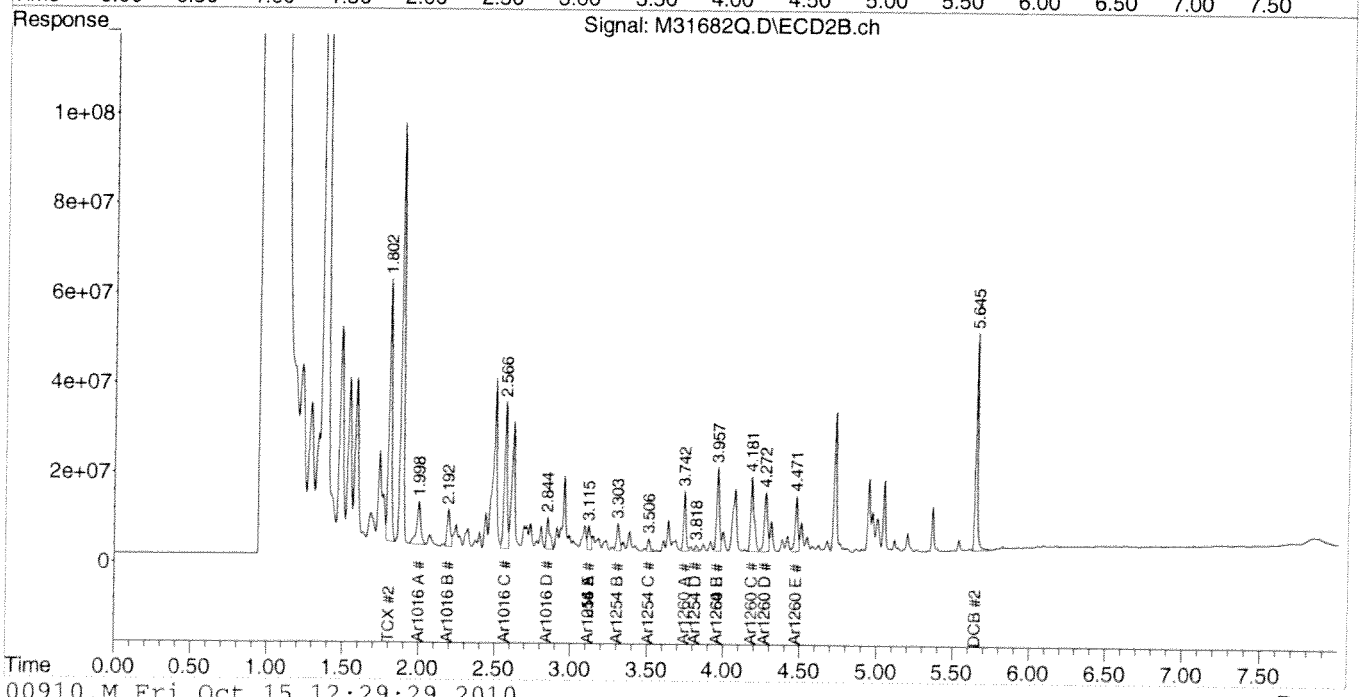
101310

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31682Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:05 pm
Operator : JK
Sample : L100810PSOX2,,A/C
Misc : SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:28:59 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



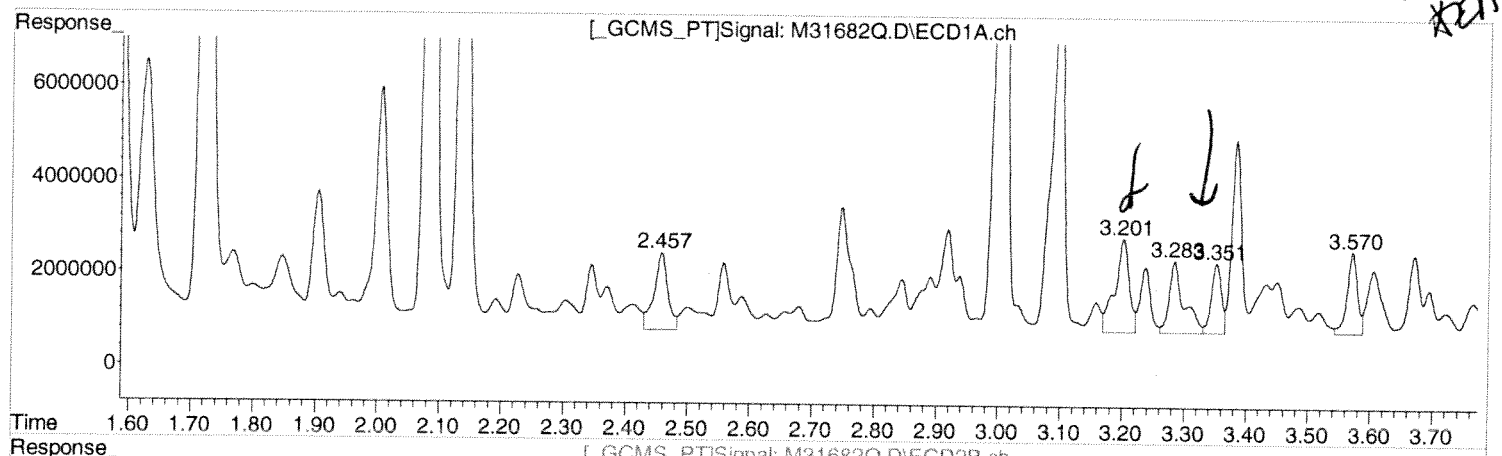


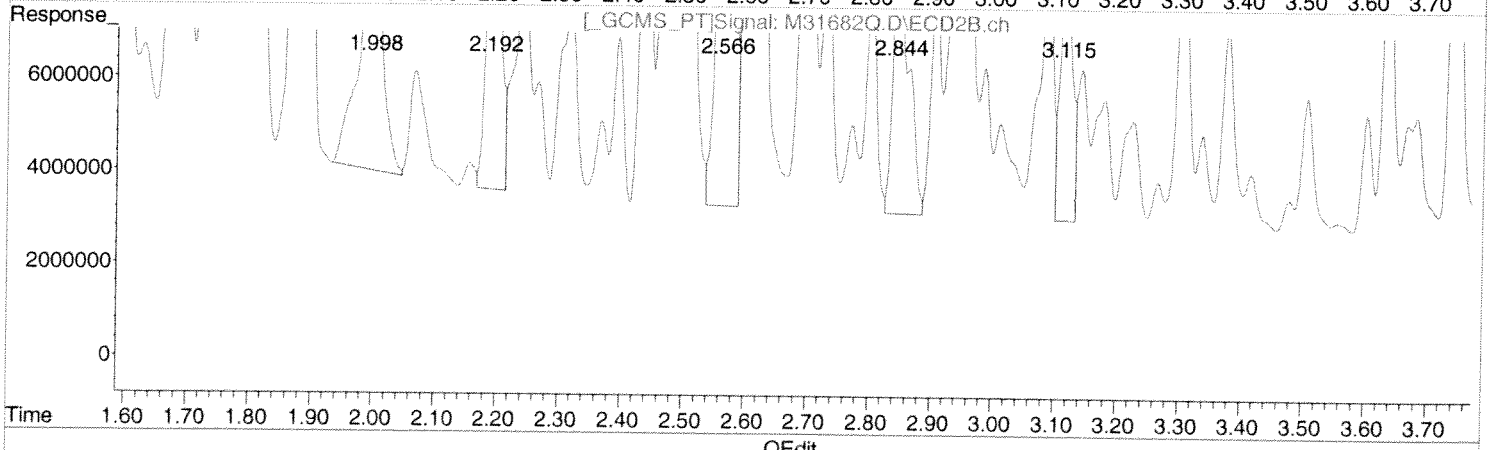
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31682Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:05 pm
Operator : JK
Sample : L100810PSOX2,,A/C
Misc : SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:42 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-15-10





QEdit

(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.46	25596263	0.82
3.20	32098534	0.61
3.28	25562474	0.77
3.35	16920067	0.58
3.57	20349644	0.47

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.00	182367331	1.05
2.19	119743195	0.37
2.57	417059401	1.52
2.84	109226158	0.38
3.12	72807649	0.64

310140

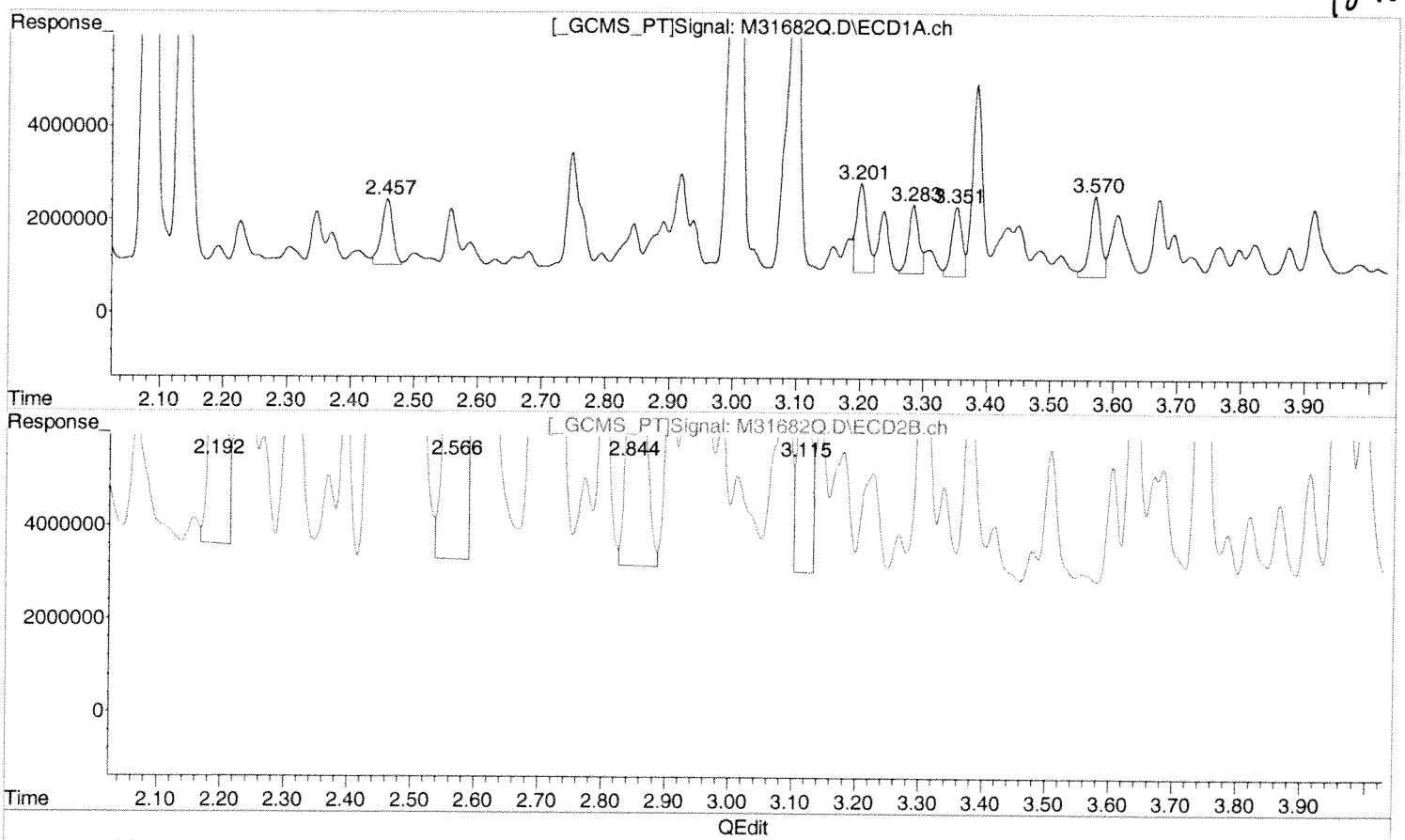
(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:28:42 2010

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31682Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:05 pm
Operator : JK
Sample : L100810PSOX2,,A/C
Misc : SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:42 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10.15.10



(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.46	17465227	0.54
3.20	22390031	0.42
3.28	16405511	0.48
3.35	16920067	0.58
3.57	20349644	0.47

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.00	182367331	1.05
2.19	119743195	0.37
2.57	417059401	1.52
2.84	109226158	0.38
3.12	72807649	0.64

3/19/10

(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:29:21 2010

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31683Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:15 pm
Operator : JK
Sample : LD100810PSOX2,,A/C
Misc : SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:30:01 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10-15-11

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.136	1.803	176.1E6	754.4E6	96.211	86.792
Spiked Amount	100.000 Range	40 - 130	Recovery	=	96.21%	86.79%
17) S DCB	6.372	5.644	73717945	470.2E6	62.624	65.420
Spiked Amount	100.000 Range	40 - 130	Recovery	=	62.62%	65.42%
Target Compounds						
2) L1M Ar1016 A	2.456	1.997	15191501	133.1E6	0.465m	~~0.750~~ #INT
3) L1M Ar1016 B	3.199	2.192	23496553	114.5E6	0.437m	0.353
4) L1M Ar1016 C	3.281	2.566	16212315	338.3E6	0.475m	~~1.230~~ #INT
5) L1M Ar1016 D	3.349	2.845	12106812	102.7E6	0.402	0.354
6) L1M Ar1016 E	3.569	3.115	17091767	72634595	0.390	0.635 #
Sum Ar1016 A			84098948	761.3E6	2.169	~~3.322~~ 1.342
Average Ar1016 A					0.434	0.~~664~~ 0.447
7) L2M Ar1260 A	4.614	3.742	32303621	153.0E6	0.399	0.360
8) L2M Ar1260 B	4.785	3.958	35933317	238.0E6	0.378	0.361
9) L2M Ar1260 C	4.915	4.181	36063666	257.8E6	0.397	0.364
10) L2M Ar1260 D	5.128	4.272	31219540	184.8E6	0.446	0.414
11) L2M Ar1260 E	5.332	4.471	30478444	150.4E6	0.385	0.362
Sum Ar1260 A			166.0E6	983.9E6	2.005	1.862
Average Ar1260 A					0.401	0.372
12) L3M Ar1254 A	3.912	3.115	19129763	72634595	0.287	0.268
13) L3M Ar1254 B	4.061	3.303	11050815	77437881	0.150	0.149
14) L3M Ar1254 C	4.354	3.506	2421818	37473716	0.040	0.120 #
15) L3M Ar1254 D	4.614	3.819	32303621	18022230	0.357	0.037 #
16) L3M Ar1254 E	4.785	3.958	35933317	238.0E6	0.672	0.557
Sum Ar1254 A			100.8E6	443.6E6	1.505	1.132
Average Ar1254 A					0.301	0.226

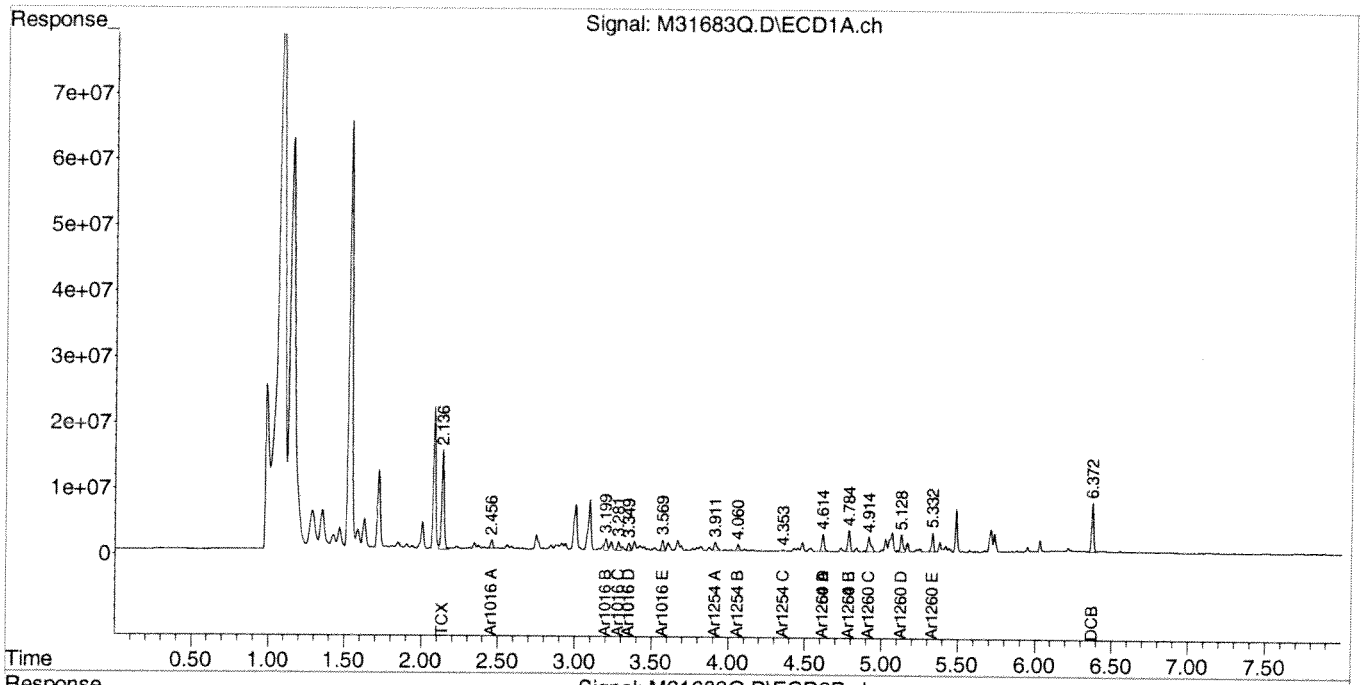
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

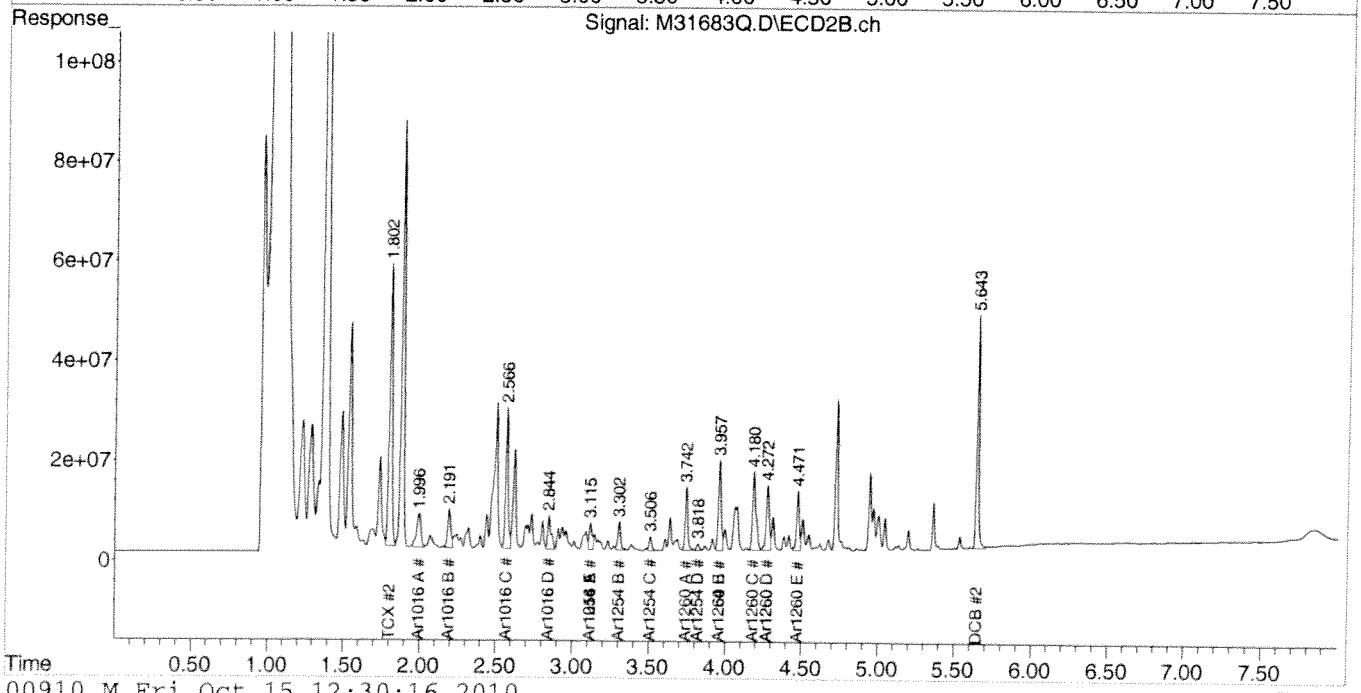
S101810

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31683Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:15 pm
Operator : JK
Sample : LD100810PSOX2,,A/C
Misc : SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:30:01 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



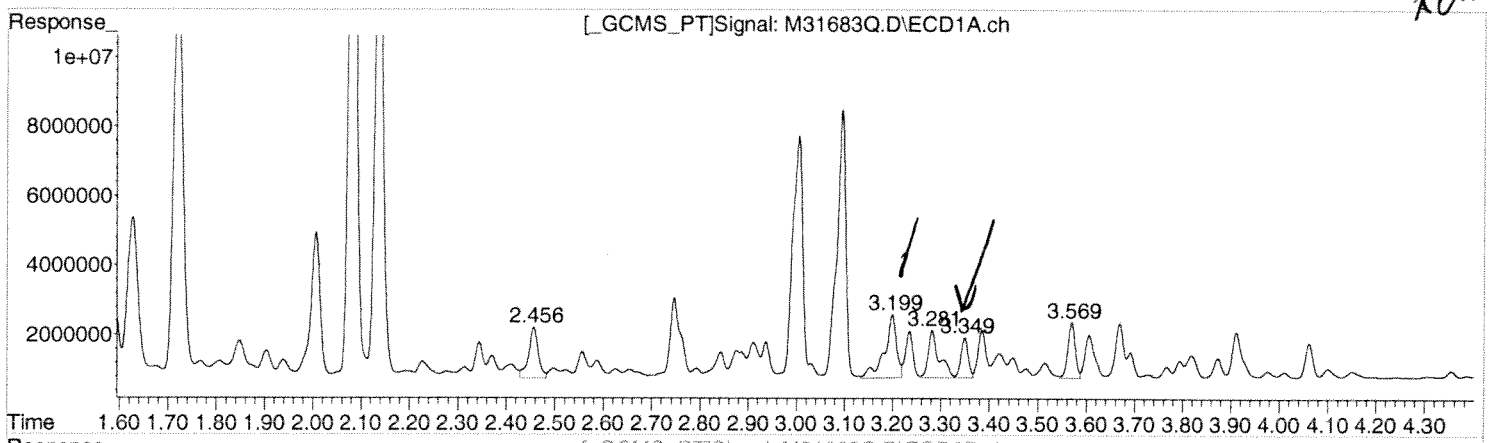


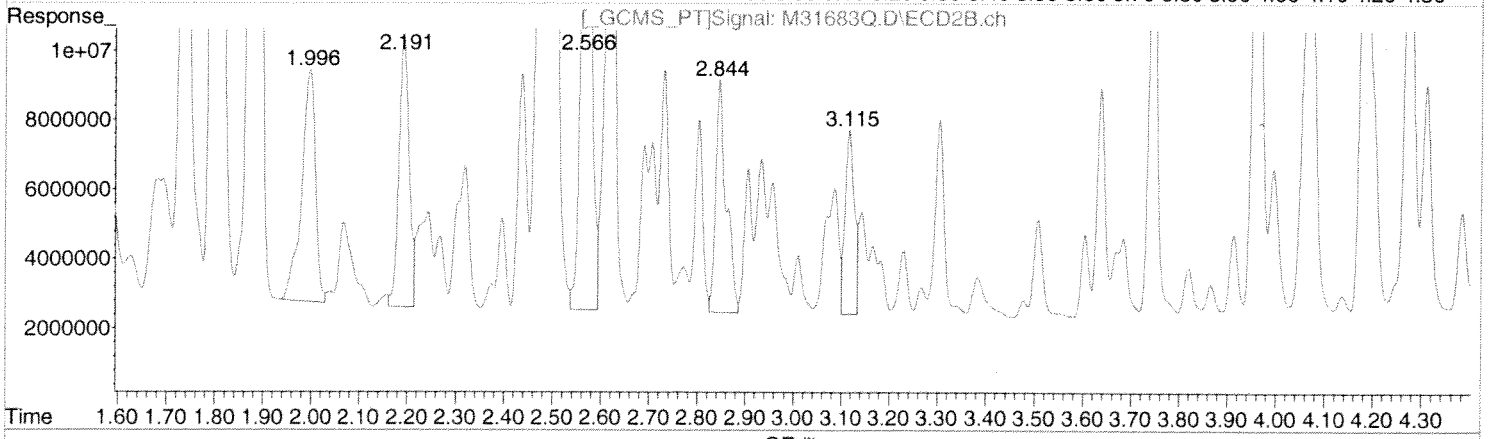
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31683Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:15 pm
Operator : JK
Sample : LD100810PSOX2,,A/C
Misc : SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:44 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10-15-10 KBA





QEdit

(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.46	20308952	0.64
3.20	32004407	0.61
3.28	21880853	0.65
3.35	12106812	0.40
3.57	17091767	0.39

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.00	133063294	0.75
2.19	114514526	0.35
2.57	338329944	1.23
2.84	102727614	0.35
3.12	72634595	0.64

3101810

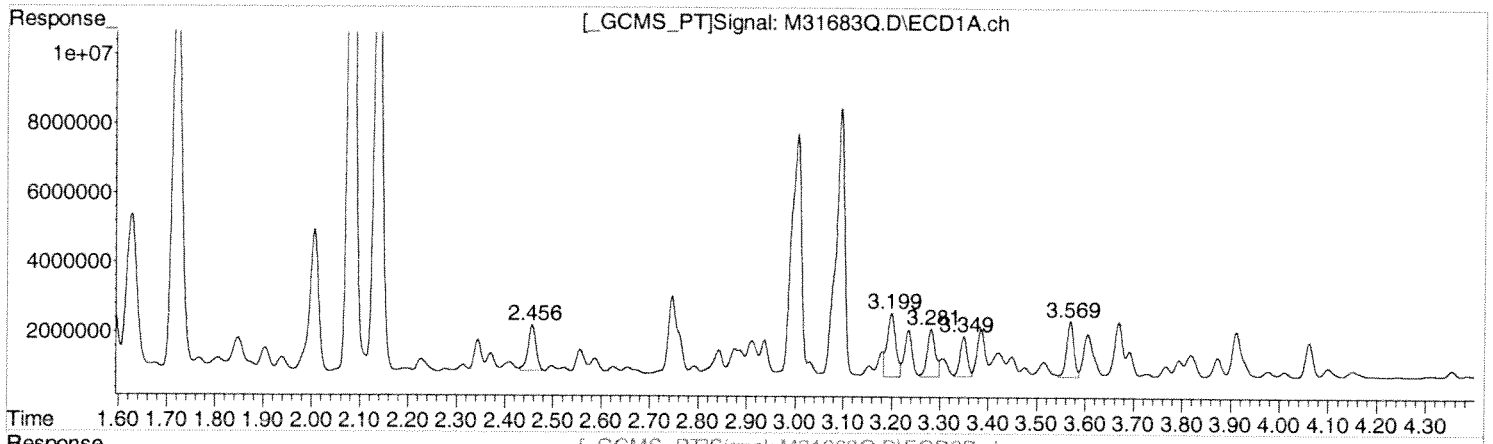
(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:29:36 2010

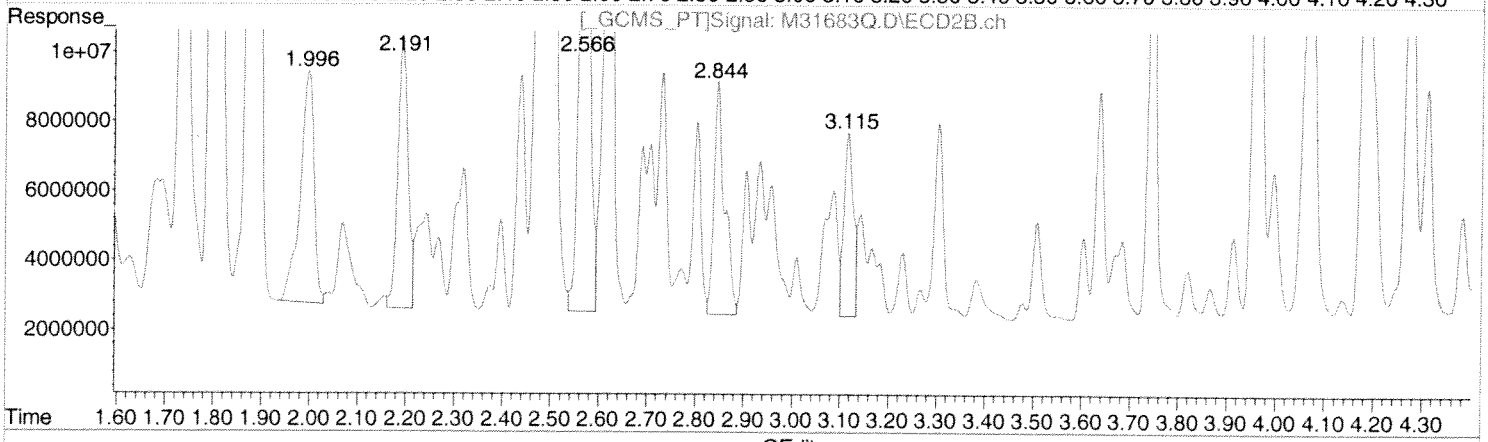
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31683Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 12:15 pm
Operator : JK
Sample : LD100810PSOX2,,A/C
Misc : SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:44 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-15-10





QEdit

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.46	15191501	0.47
3.20	23496553	0.44
3.28	16212315	0.47
3.35	12106812	0.40
3.57	17091767	0.39

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.00	133063294	0.75
2.19	114514526	0.35
2.57	338329944	1.23
2.84	102727614	0.35
3.12	72634595	0.64

3101810

(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:30:04 2010

PCB SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

SDG:

Non-spiked sample: 67967-3,,A/C

Spike: 67967-3,MS,,A/C

Spike duplicate: 67967-3,MSD,,A/C

10-15-V

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	249	242	65	140	30	0	267	107		262	108		1.8	
PCB 1260	249	242	60	130	30	0	243	98		236	98		3.1	
PCB 1016 #2	249	242	65	140	30	0	296	119		307	127		3.4	
PCB 1260 #2	249	242	60	130	30	0	225	90		216	89		4.0	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 3101810

PCB FORM 3

PCB SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Misc Info	Final Vol (mL)	Wt (g) Ext	Wt (kg)	% Sol	Dilution	CF
SOIL	5	10.55	0.01055	0.8022	1	590.7923826
SOIL	5	10.02	0.01002	0.8022	1	622.0418798
SOIL	5	10.32	0.01032	0.8022	1	603.9592671

PCB FORM 3

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31688SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:07 pm
Operator : JK
Sample : 67967-3,MS,,A/C
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:37:10 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.15.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.136	1.803	164.0E6	719.3E6	89.594m	82.760
Spiked Amount	100.000 Range	40 - 130	Recovery	=	89.59%	82.76%
17) S DCB	6.371	5.644	69015978	434.2E6	58.630	60.414m
Spiked Amount	100.000 Range	40 - 130	Recovery	=	58.63%	60.41%
Target Compounds						
2) L1M Ar1016 A	2.456	1.990	14591839	157.8E6	0.445m	~~0.898~~ # INT
3) L1M Ar1016 B	3.200	2.193	23127316	108.4E6	0.430m	0.333
4) L1M Ar1016 C	3.281	2.568	11912667	182.3E6	0.341m	0.656 #
5) L1M Ar1016 D	3.348	2.845	15269940	84555549	0.518m	0.289 #
6) L1M Ar1016 E	3.568	3.113	17919267	71749577	0.411m	0.627 #
Sum Ar1016 A			82821030	604.9E6	2.145	~~2.803~~ 1.905
Average Ar1016 A					0.429	~~0.561~~ 0.476
7) L2M Ar1260 A	4.614	3.743	33845266	151.6E6	0.419	0.357
8) L2M Ar1260 B	4.784	3.958	35632760	230.6E6	0.375	0.349
9) L2M Ar1260 C	4.915	4.181	34710891	263.3E6	0.381	0.372
10) L2M Ar1260 D	5.128	4.272	27626591	167.4E6	0.391	0.375
11) L2M Ar1260 E	5.333	4.472	30915226	147.3E6	0.391	0.355
Sum Ar1260 A			162.7E6	960.2E6	1.957	1.807
Average Ar1260 A					0.391	0.361
12) L3M Ar1254 A	3.912	3.113	45652806	71749577	0.685	0.265 #
13) L3M Ar1254 B	4.098	3.302	1689.7E6	78474847	22.888	0.151 #
14) L3M Ar1254 C	4.355	3.507	2403237	34001403	0.040	0.109 #
15) L3M Ar1254 D	4.614	3.820	33845266	22834809	0.374	0.047 #
16) L3M Ar1254 E	4.784	3.958	35632760	230.6E6	0.666	0.540
Sum Ar1254 A			1807.3E6	437.7E6	24.652	1.112
Average Ar1254 A					4.930	0.222

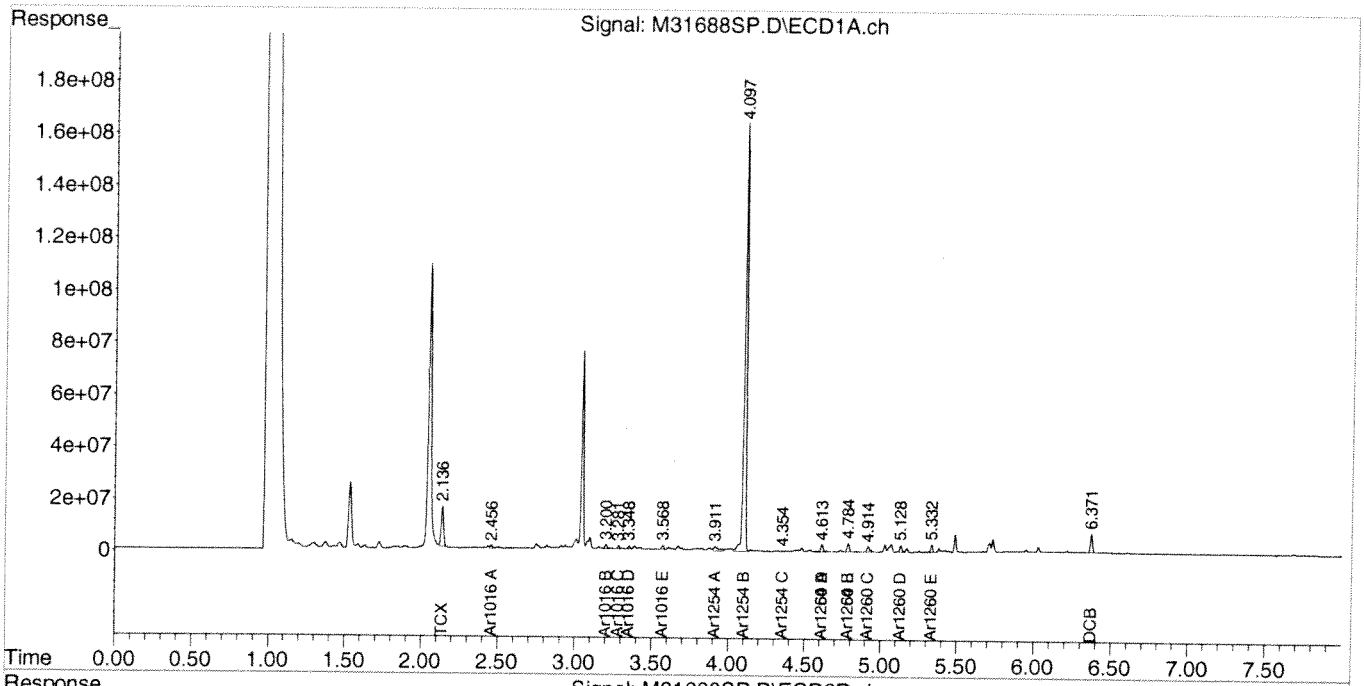
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

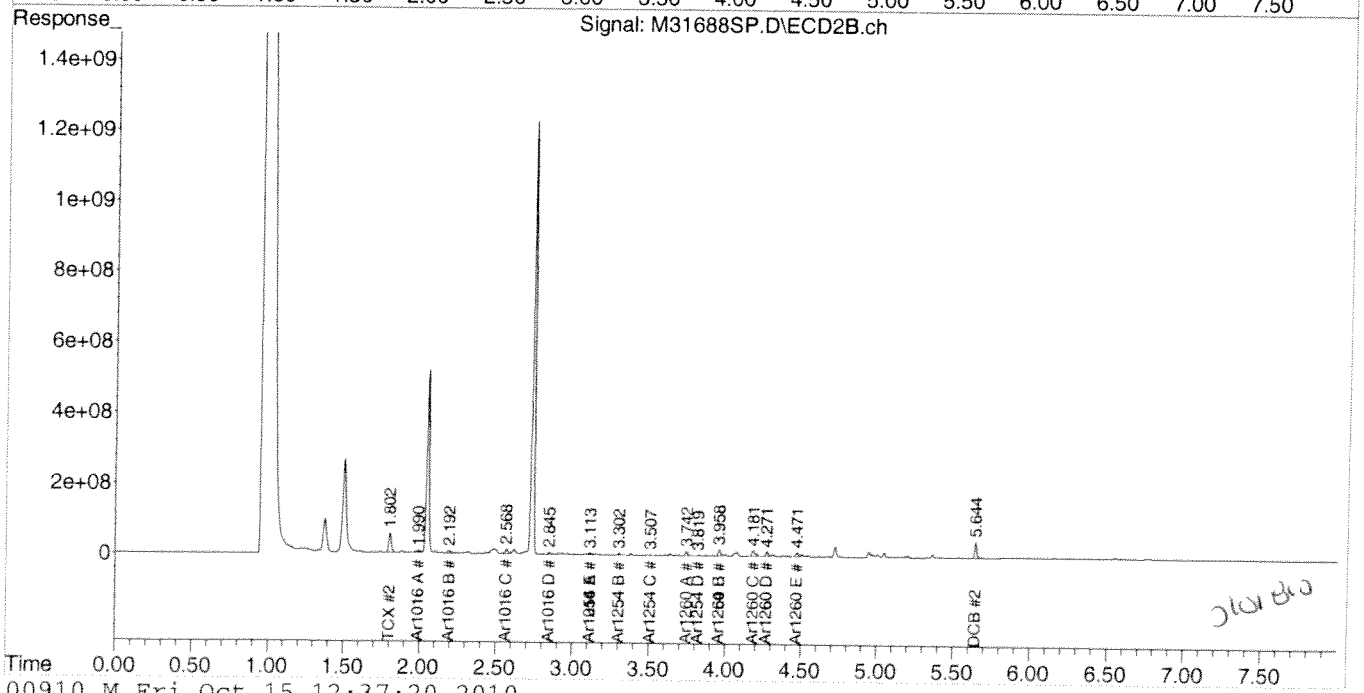
101810

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31688SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:07 pm
Operator : JK
Sample : 67967-3,MS,,A/C
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:37:10 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



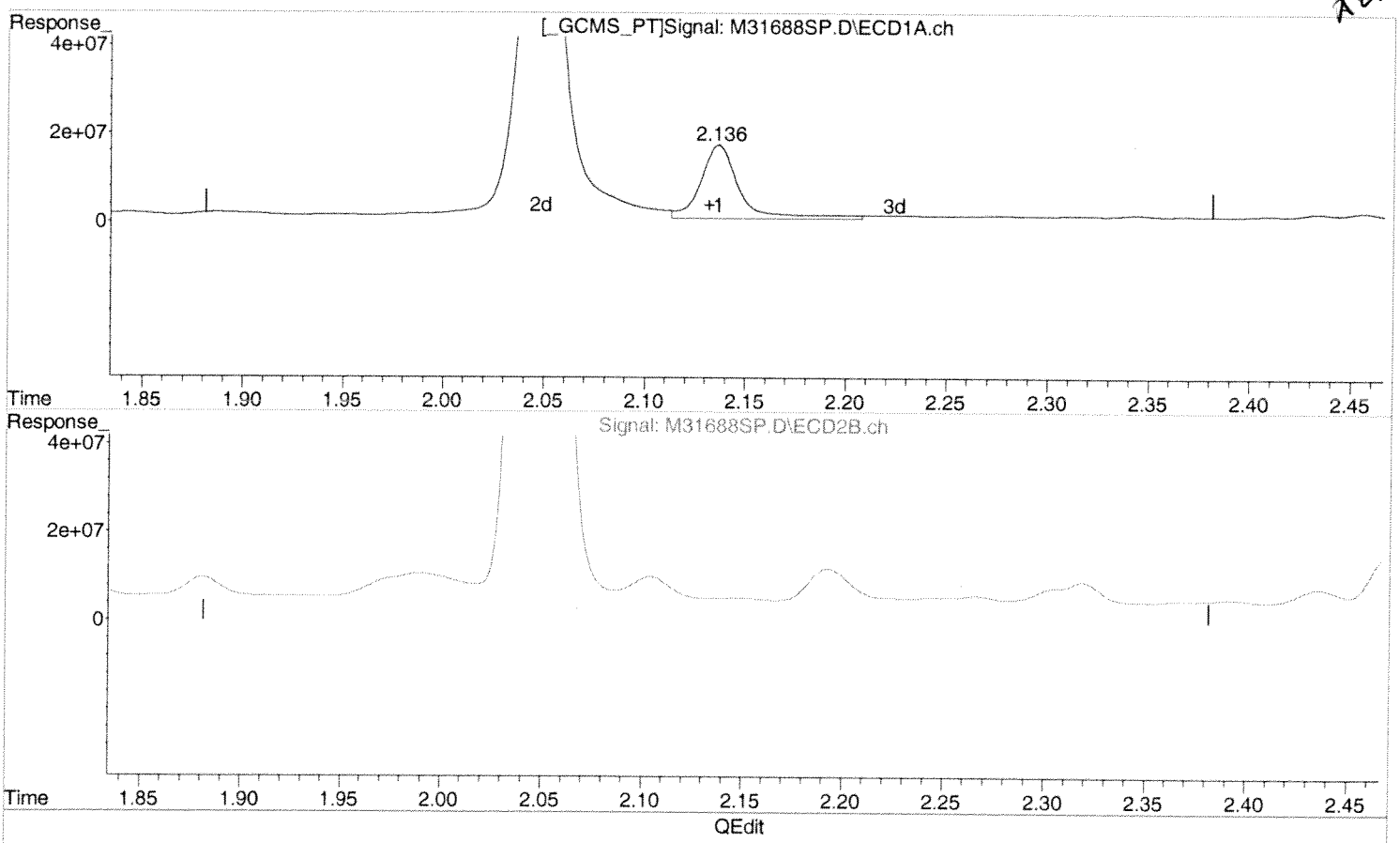


Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31688SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:07 pm
Operator : JK
Sample : 67967-3,MS,,A/C
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:52 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.15.10 XCA



(1) TCX (S)

2.137min 124.382 ug/ml

response 227698177

(1) TCX #2 (S)

1.803min 82.760 ug/ml

response 719313970

101810

(+) = Expected Retention Time

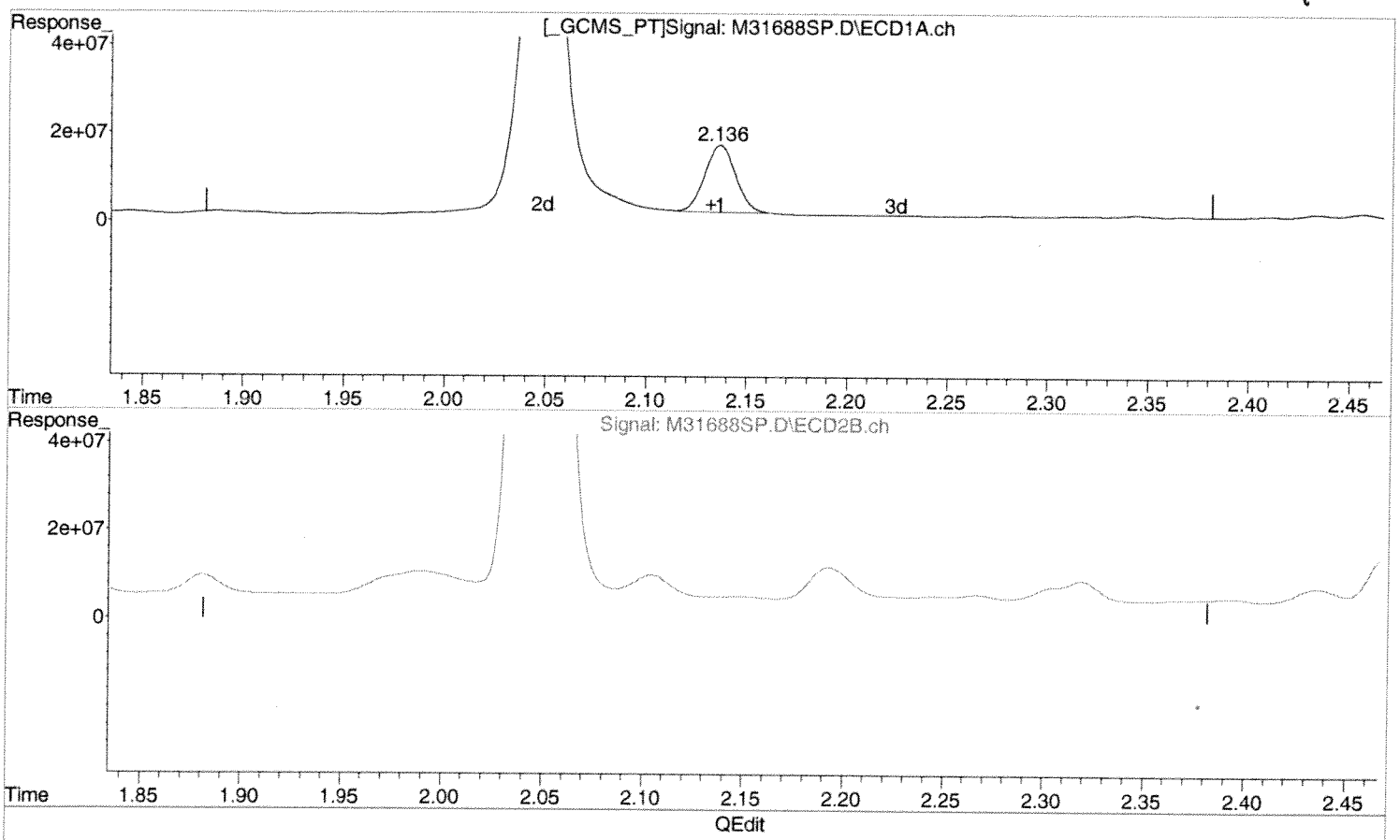
PCB100910.M Fri Oct 15 12:36:24 2010

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31688SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:07 pm
Operator : JK
Sample : 67967-3,MS,,A/C
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:52 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-15-10



(1) TCX (S)

2.136min 89.594 ug/ml m

response 164014027

(1) TCX #2 (S)

1.803min 82.760 ug/ml

response 719313970

101810

(+) = Expected Retention Time

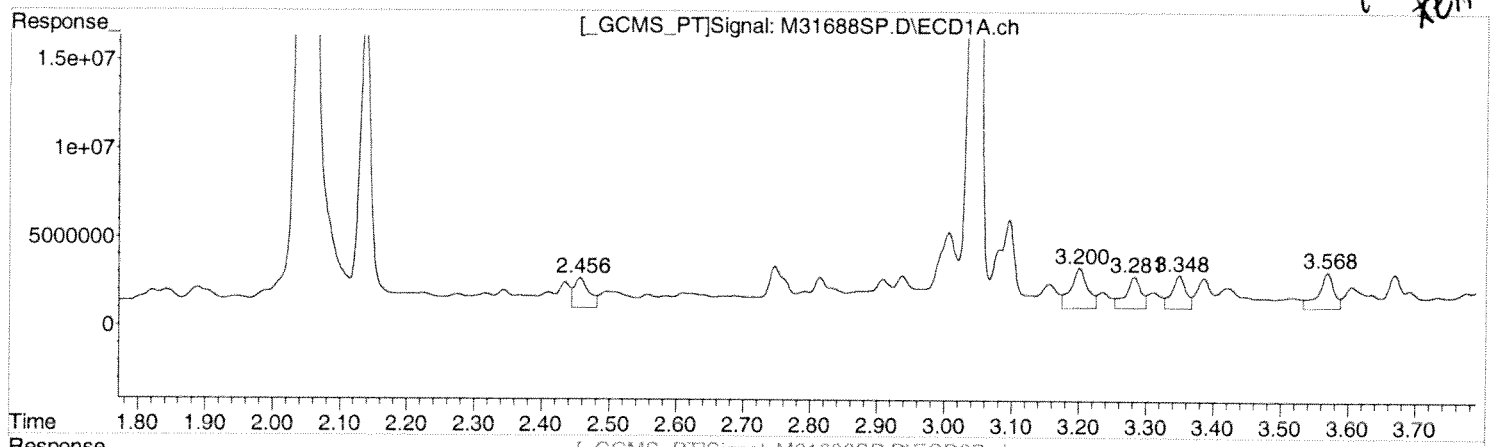
PCB100910.M Fri Oct 15 12:36:28 2010

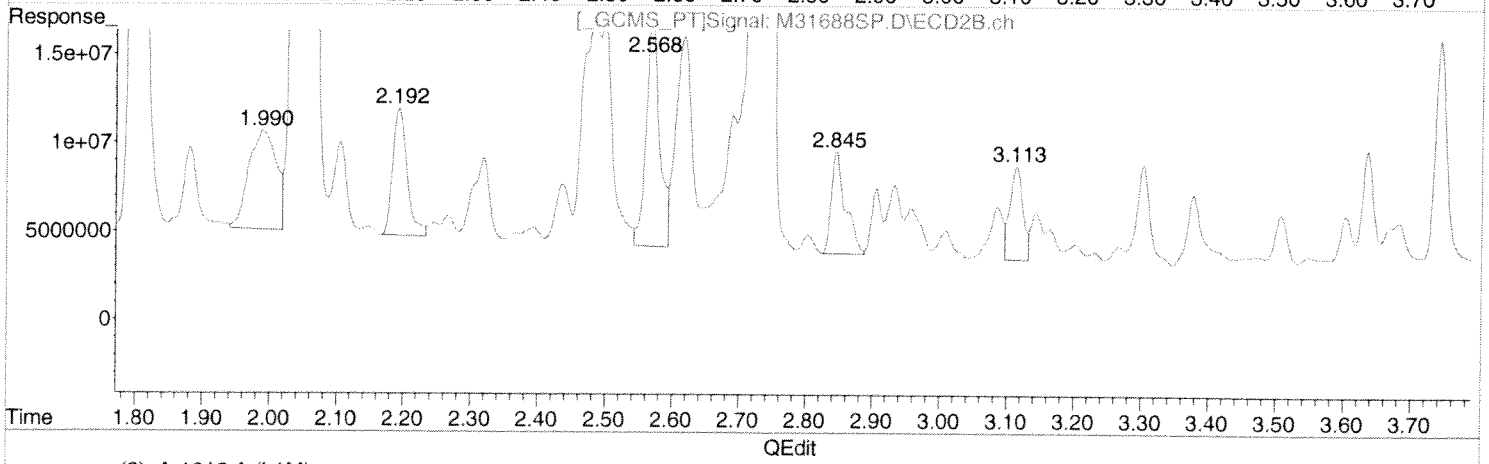
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31688SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:07 pm
Operator : JK
Sample : 67967-3,MS,,A/C
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:52 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.15.10 KEA





(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.46	25827732	0.83
3.20	39254988	0.75
3.28	27968185	0.84
3.35	26915462	0.95
3.57	33243931	0.79

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	157818015	0.90
2.19	108442211	0.33
2.57	182290670	0.66
2.85	84555549	0.29
3.11	71749577	0.63

3/01/01

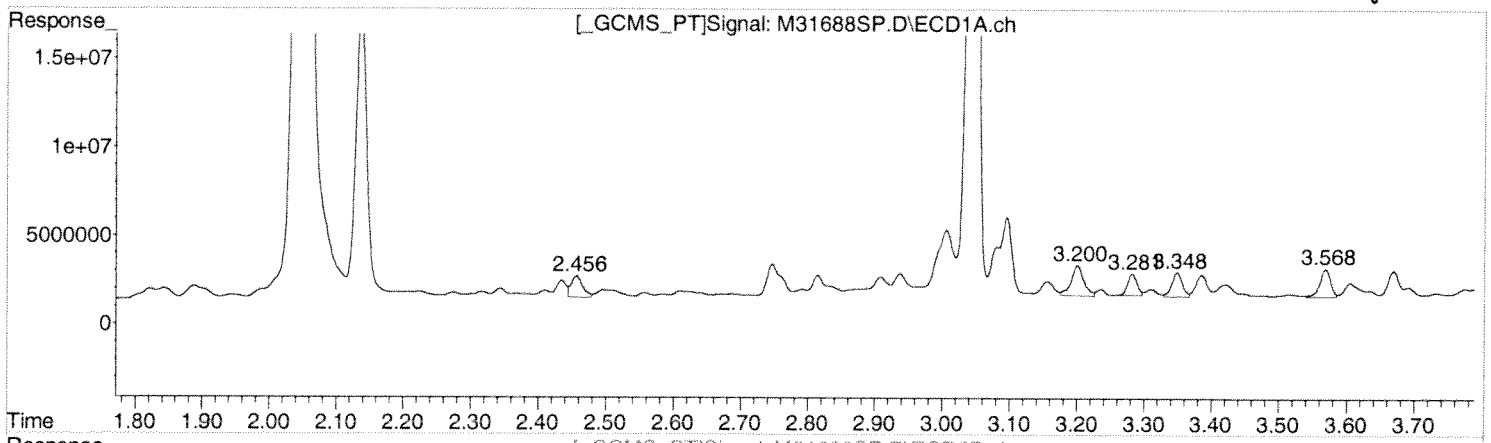
(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:36:38 2010

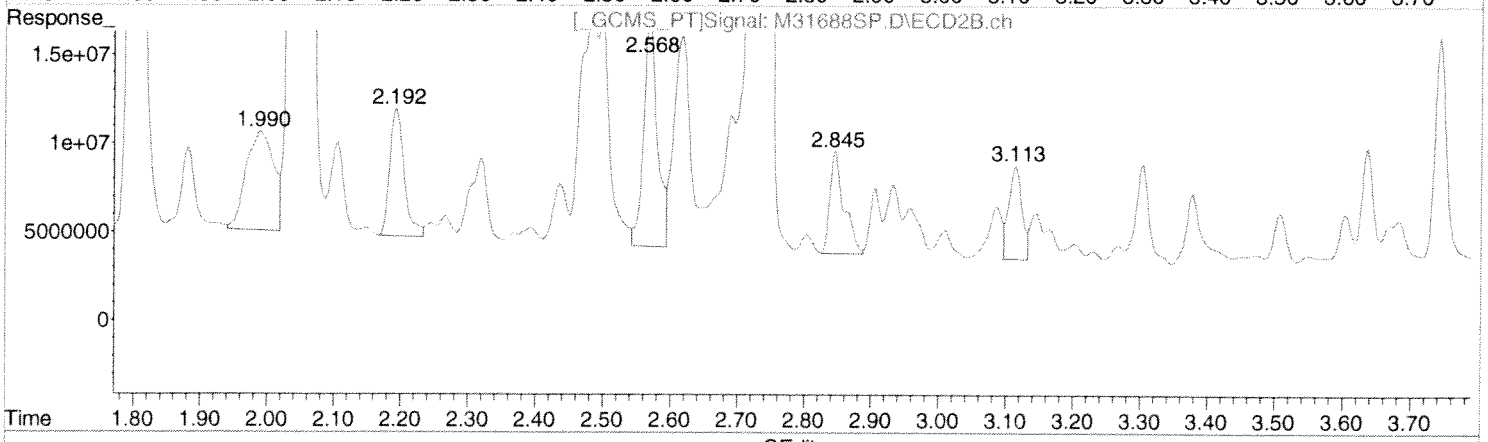
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31688SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:07 pm
Operator : JK
Sample : 67967-3,MS,,A/C
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:52 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-15-10





QEdit

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.46	14591839	0.44
3.20	23127316	0.43
3.28	11912667	0.34
3.35	15269940	0.52
3.57	17919267	0.41

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	157818015	0.90
2.19	108442211	0.33
2.57	182290670	0.66
2.85	84555549	0.29
3.11	71749577	0.63

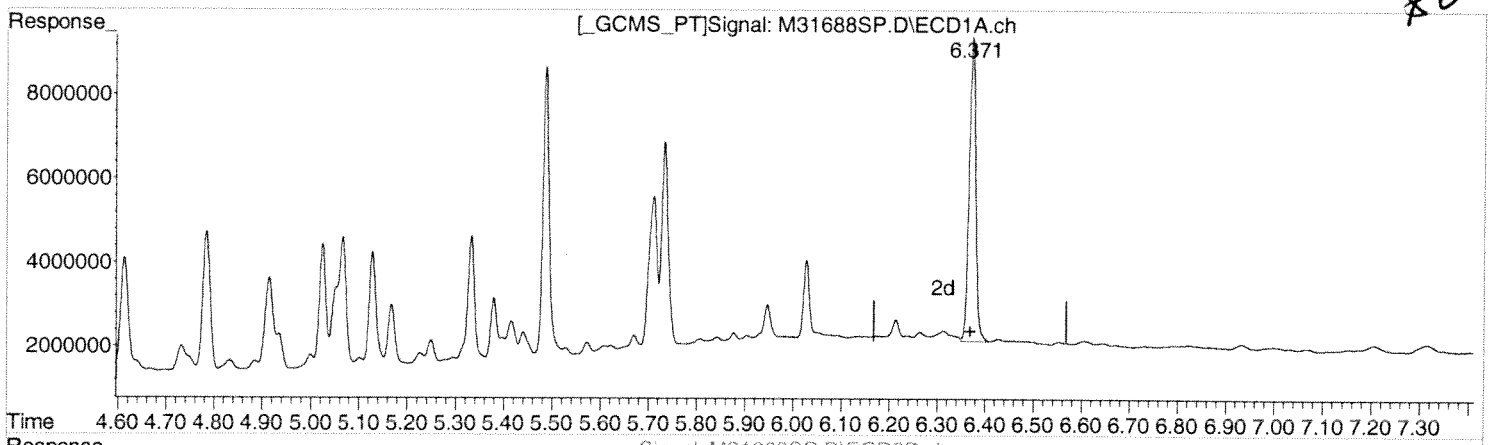
214810

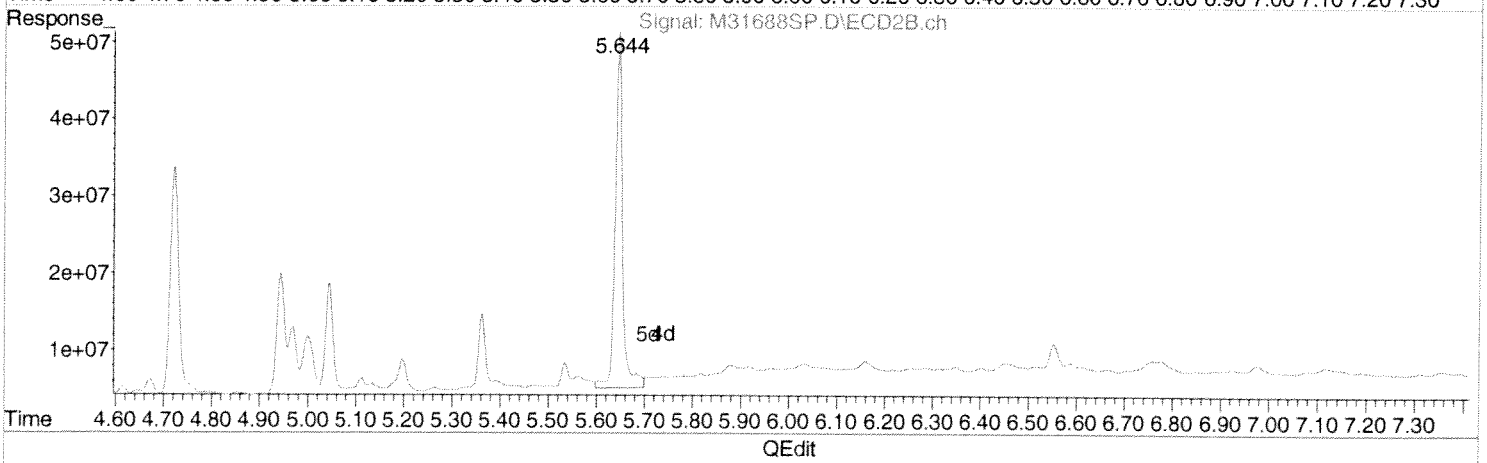
(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:37:02 2010

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31688SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:07 pm
Operator : JK
Sample : 67967-3,MS,,A/C
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:52 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





QEdit

(17) DCB (S)

6.371min 58.630 ug/ml

response 69015978

(17) DCB #2 (S)

5.644min 69.450 ug/ml

response 499125503

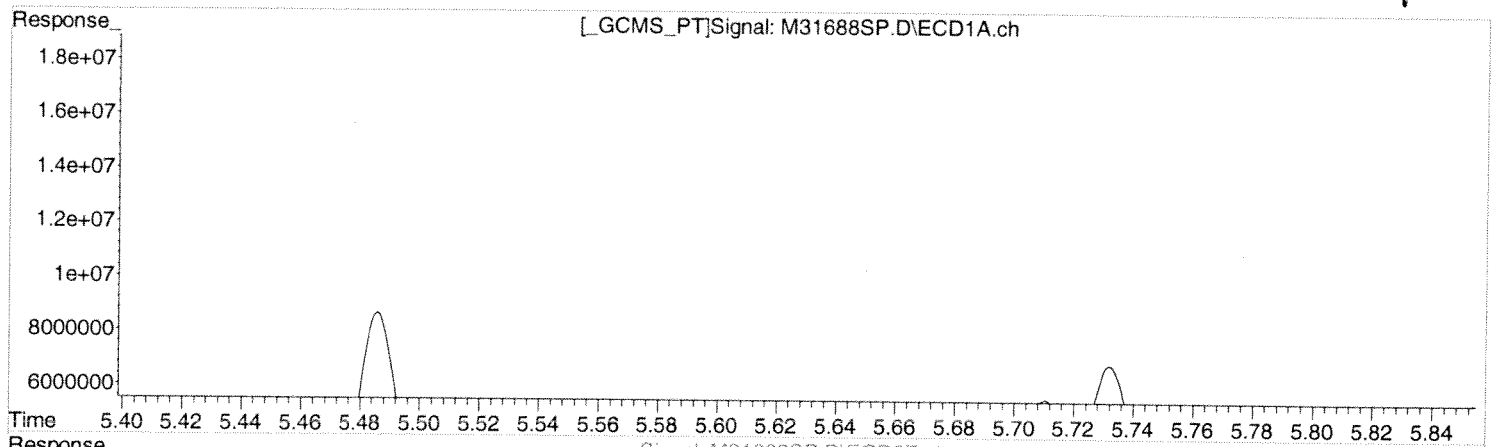
(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:37:07 2010

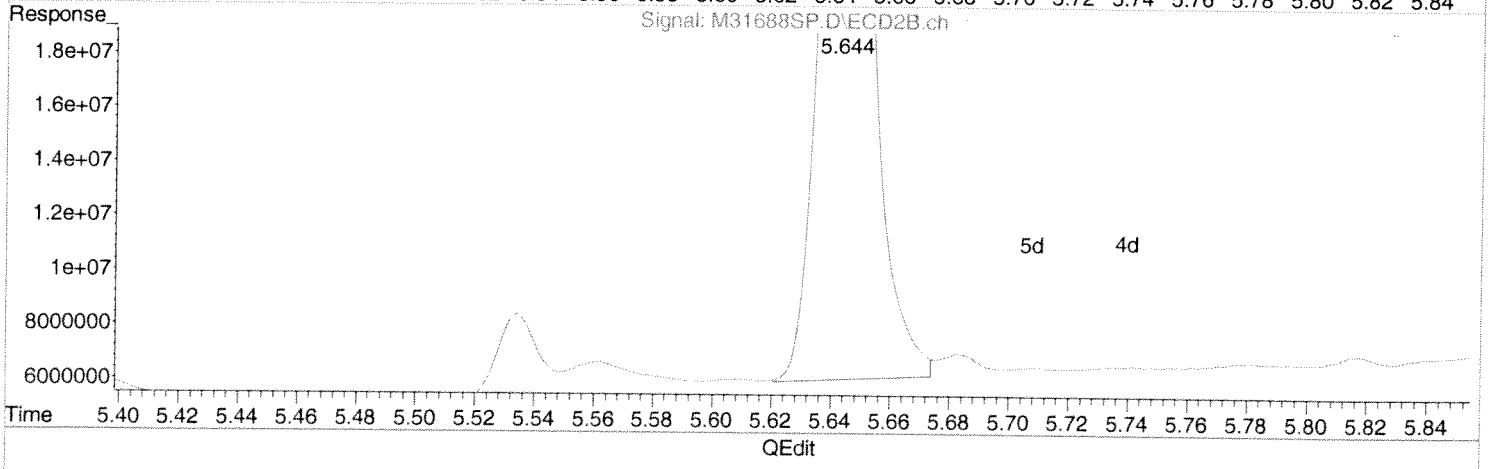
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31688SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:07 pm
Operator : JK
Sample : 67967-3,MS,,A/C
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:52 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10.15.V





(17) DCB (S)

6.371min 58.630 ug/ml

response 69015978

(17) DCB #2 (S)

5.644min 60.414 ug/ml m

response 434185427

JC 101213

(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:37:16 2010

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31689SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:17 pm
Operator : JK
Sample : 67967-3,MSD,,A/C
Misc : SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:38:06 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10-15-V

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.137	1.804	156.2E6	710.0E6	85.321m	81.694
Spiked Amount	100.000 Range	40 - 130	Recovery	=	85.32%	81.69%
17) S DCB	6.370	5.644	65612604	423.0E6	55.738m	58.858m
Spiked Amount	100.000 Range	40 - 130	Recovery	=	55.74%	58.86%
Target Compounds						
2) L1M Ar1016 A	2.456	1.990	15809742	113.4E6	0.486m	0.632 #
3) L1M Ar1016 B	3.200	2.193	22026170	112.9E6	0.408m	0.348
4) L1M Ar1016 C	3.282	2.568	13594983	209.4E6	0.393m	0.755 #
5) L1M Ar1016 D	3.349	2.845	13986845	83792080	0.471m	0.286 #
6) L1M Ar1016 E	3.568	3.114	17944901	59492113	0.412m	0.517 #
Sum Ar1016 A			83362641	579.0E6	2.170	2.538
Average Ar1016 A					0.434	0.508
7) L2M Ar1260 A	4.614	3.743	34812400	149.0E6	0.432	0.351
8) L2M Ar1260 B	4.784	3.958	35028220	228.0E6	0.368	0.345
9) L2M Ar1260 C	4.914	4.181	34868784	260.1E6	0.383	0.367
10) L2M Ar1260 D	5.128	4.272	28239072	168.6E6	0.400	0.377
11) L2M Ar1260 E	5.332	4.472	29358216	144.7E6	0.370	0.348
Sum Ar1260 A			162.3E6	950.3E6	1.953	1.788
Average Ar1260 A					0.391	0.358
12) L3M Ar1254 A	3.912	3.114	54177917	59492113	0.812	0.220 #
13) L3M Ar1254 B	4.098	3.302	1883.2E6	78389849	25.508	0.151 #
14) L3M Ar1254 C	4.354	3.508	3533503	35797406	0.059	0.115 #
15) L3M Ar1254 D	4.614	3.820	34812400	23082917	0.385	0.048 #
16) L3M Ar1254 E	4.784	3.958	35028220	228.0E6	0.655	0.534
Sum Ar1254 A			2010.8E6	424.8E6	27.419	1.067
Average Ar1254 A					5.484	0.213

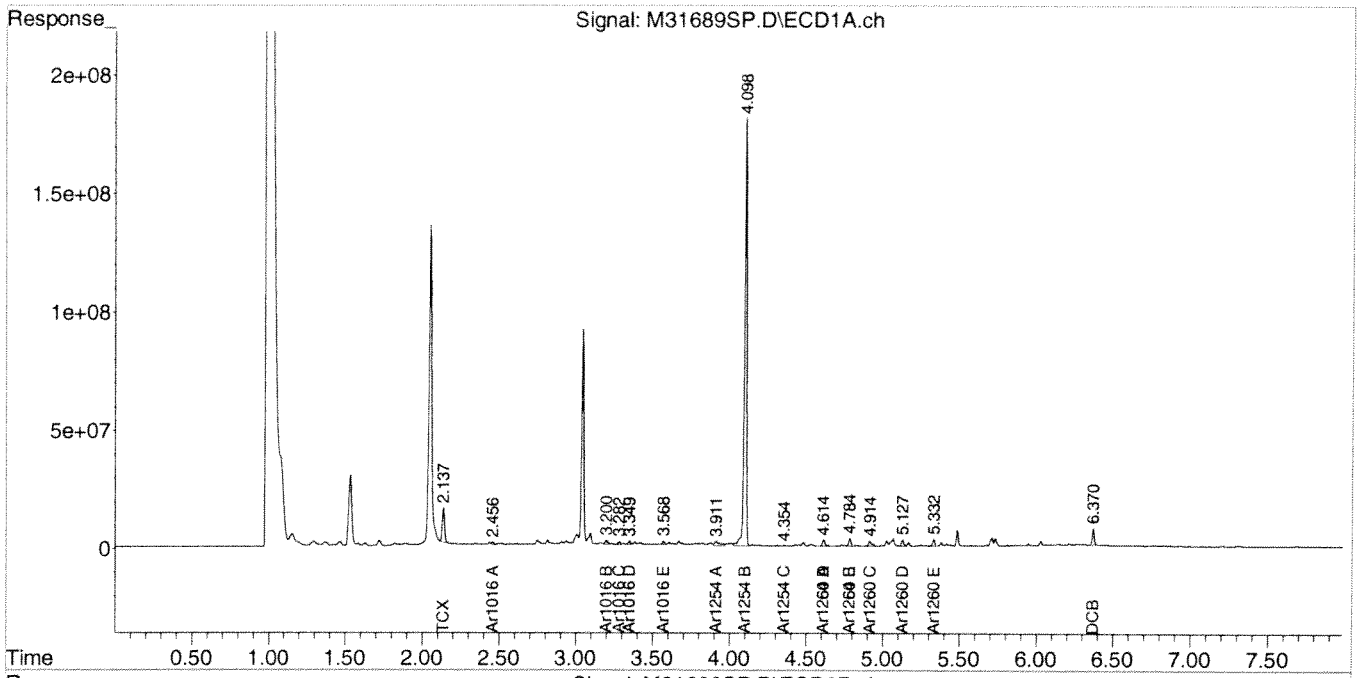
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

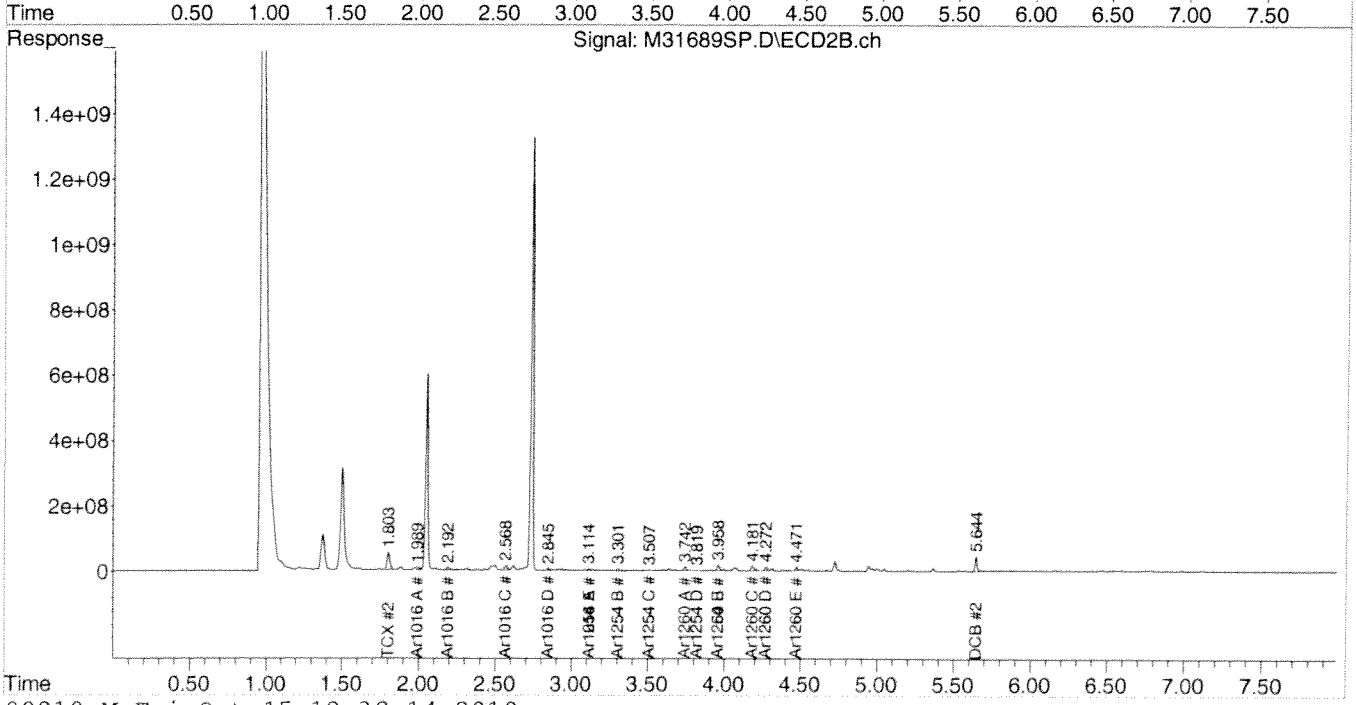
J101810

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31689SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:17 pm
Operator : JK
Sample : 67967-3,MSD,,A/C
Misc : SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:38:06 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



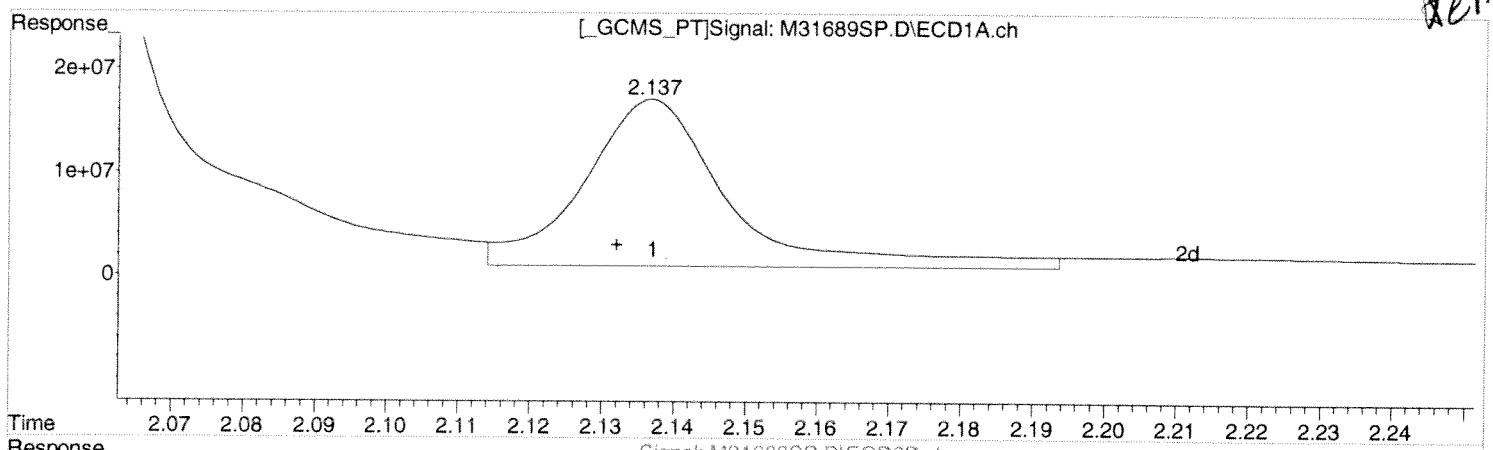


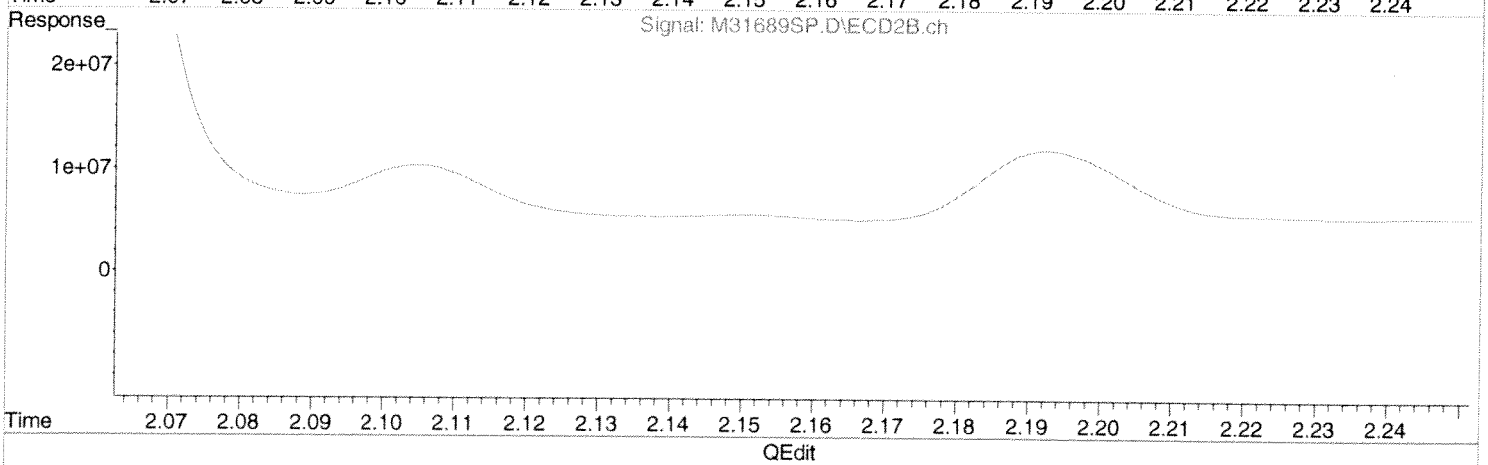
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31689SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:17 pm
Operator : JK
Sample : 67967-3,MSD,,A/C
Misc : SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:54 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10-15-10 KEA





QEdit

(1) TCX (S)

2.137min 125.512 ug/ml

response 229767374

(1) TCX #2 (S)

1.804min 81.694 ug/ml

response 710043946

10/01/10

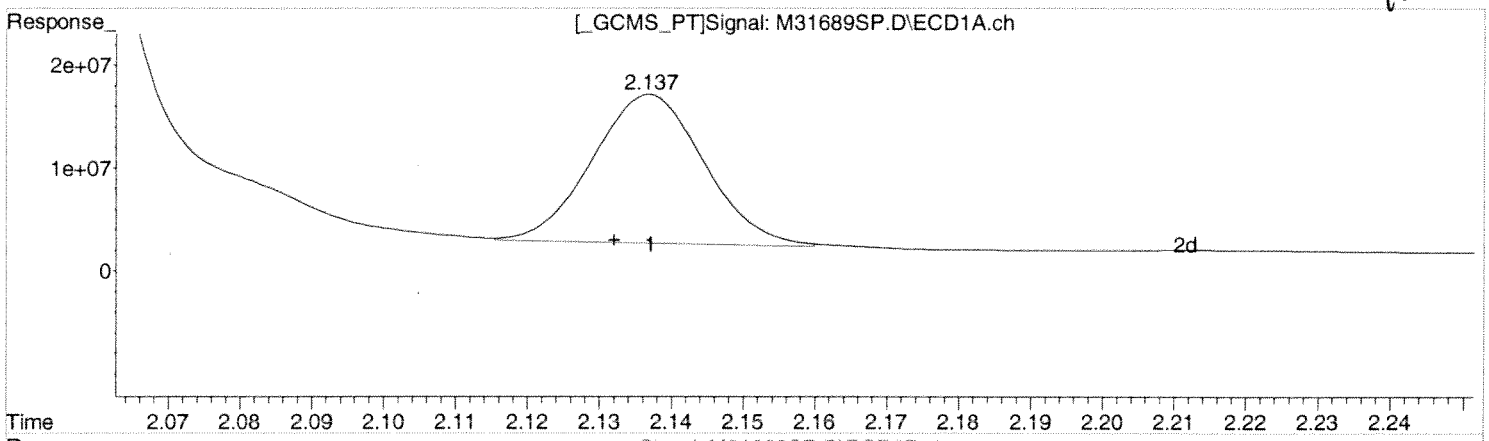
(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:37:28 2010

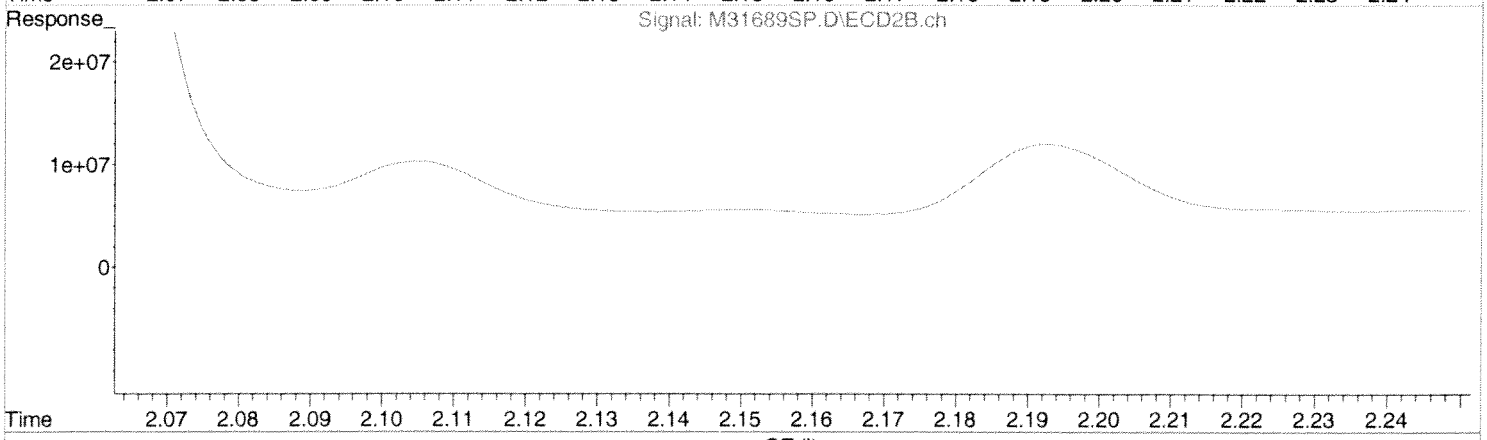
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31689SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:17 pm
Operator : JK
Sample : 67967-3,MSD,,A/C
Misc : SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:54 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10.15.10





QEdit

(1) TCX (S)

2.137min 85.321 ug/ml m

response 156192322

(1) TCX #2 (S)

1.804min 81.694 ug/ml

response 710043946

10.18.10

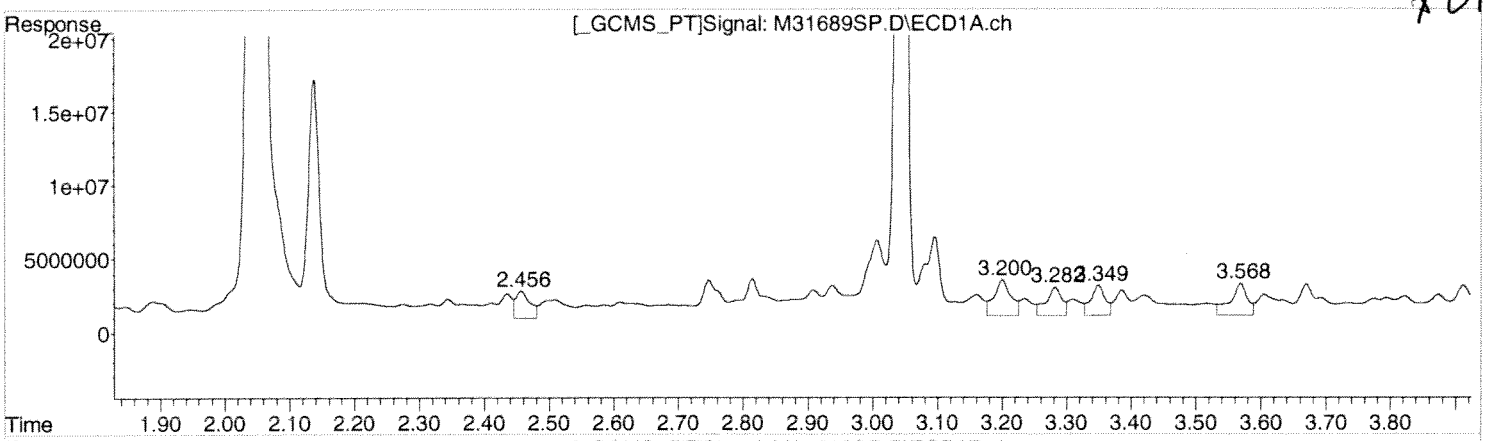
(+) = Expected Retention Time

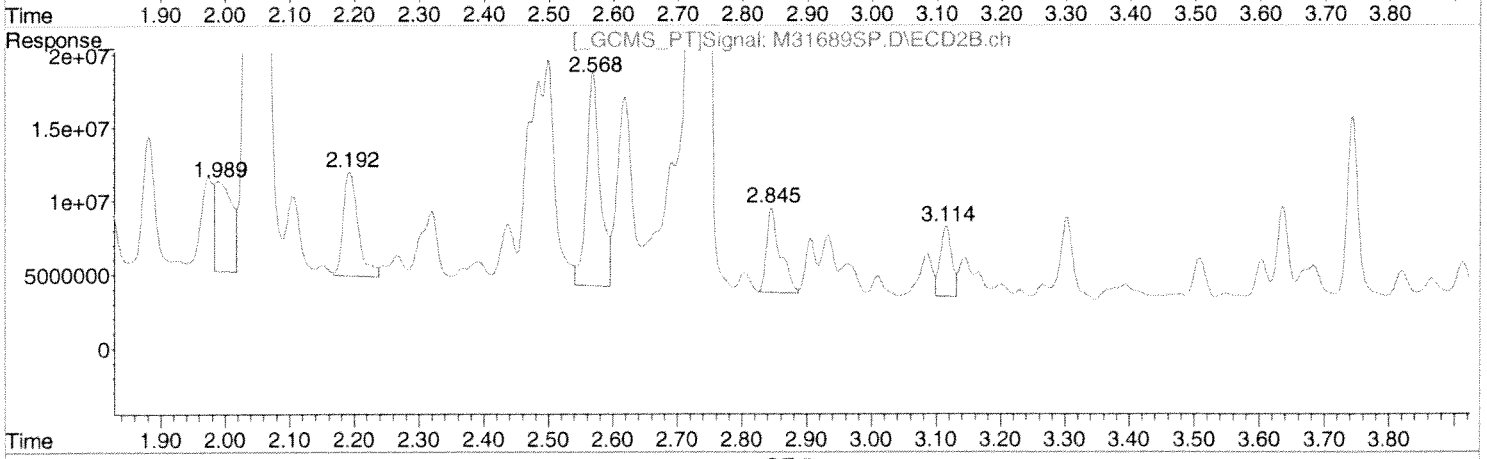
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31689SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:17 pm
Operator : JK
Sample : 67967-3,MSD,,A/C
Misc : SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:54 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10-15-10 TEA





QEdit

(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.46	28612445	0.92
3.20	44741942	0.86
3.28	32893709	0.99
3.35	31705405	1.12
3.57	39230180	0.94

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	113412778	0.63
2.19	112942662	0.35
2.57	209372916	0.76
2.85	83792080	0.29
3.11	59492113	0.52

10/20

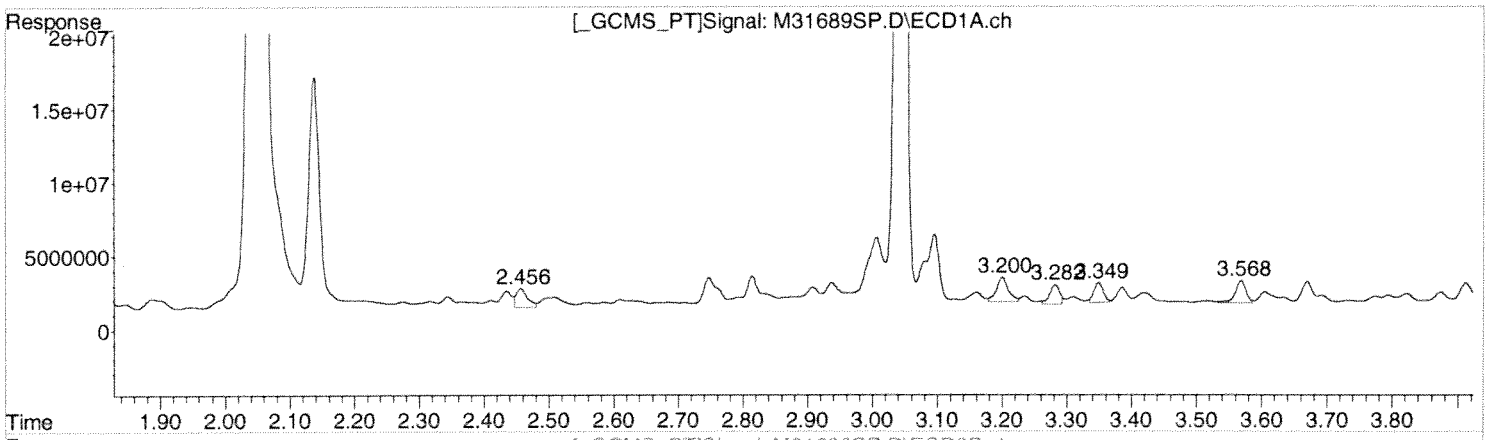
(+) = Expected Retention Time

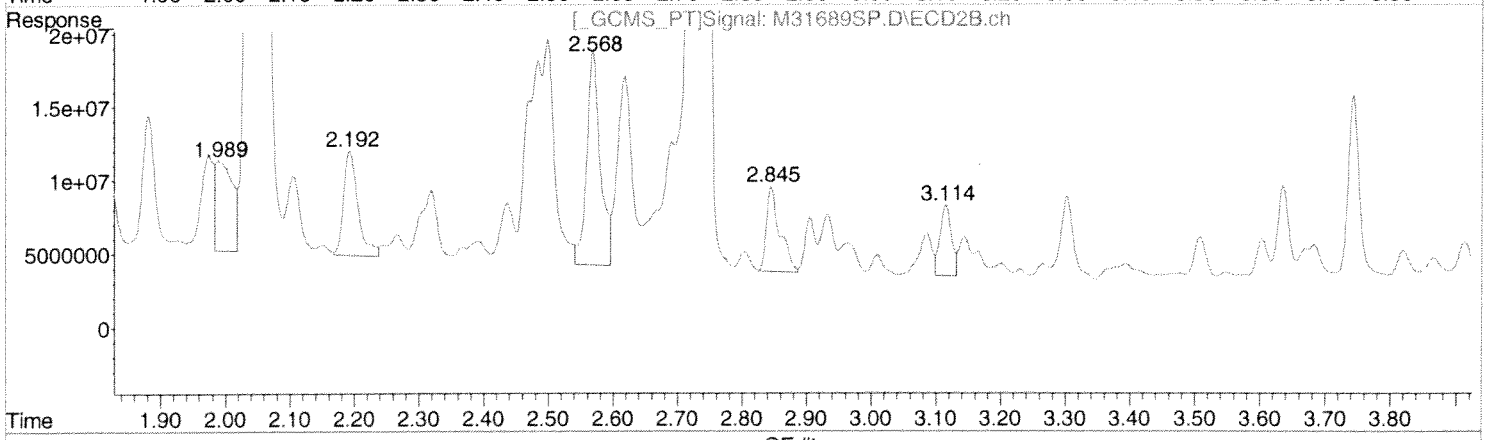
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31689SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:17 pm
Operator : JK
Sample : 67967-3,MSD,,A/C
Misc : SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:54 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10/15/10





QEdit

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.46	15809742	0.49
3.20	22026170	0.41
3.28	13594983	0.39
3.35	13986845	0.47
3.57	17944901	0.41

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	113412778	0.63
2.19	112942662	0.35
2.57	209372916	0.76
2.85	83792080	0.29
3.11	59492113	0.52

JK 10/15/10

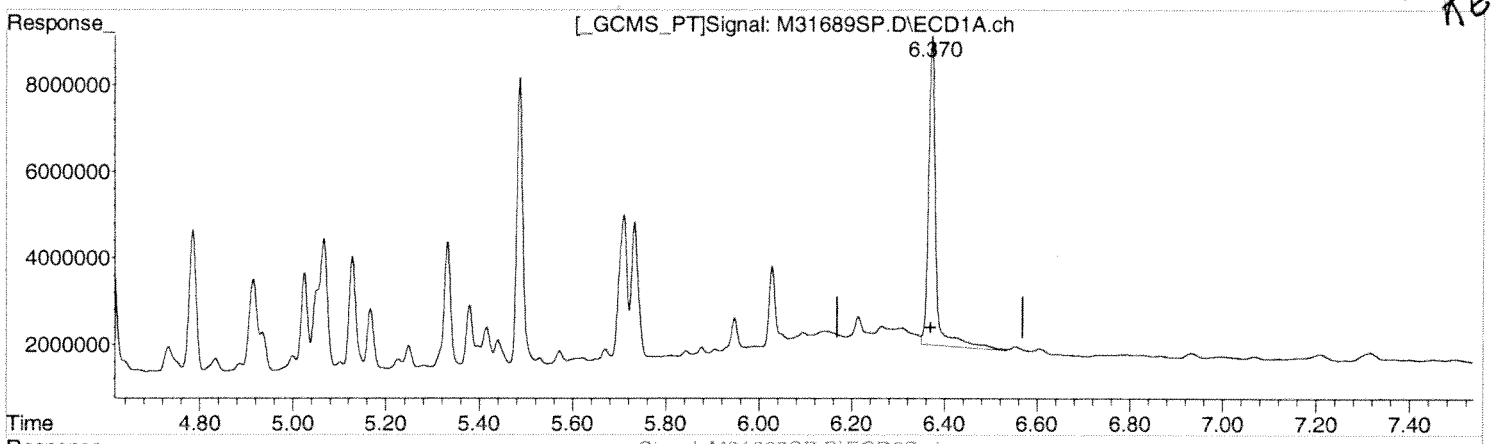
(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:37:54 2010 Page: 1

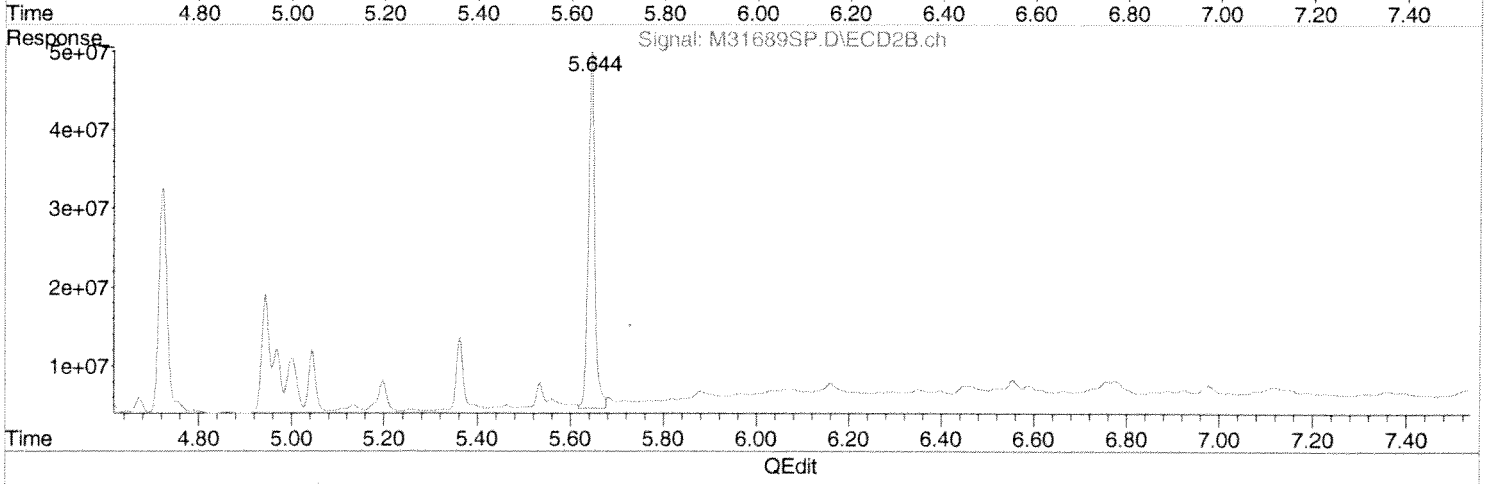
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31689SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:17 pm
Operator : JK
Sample : 67967-3,MSD,,A/C
Misc : SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:54 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.15.10 KBM





QEdit

(17) DCB (S)

6.371min 67.820 ug/ml

response 79834090

(17) DCB #2 (S)

5.644min 61.214 ug/ml

response 439934996

OR101C

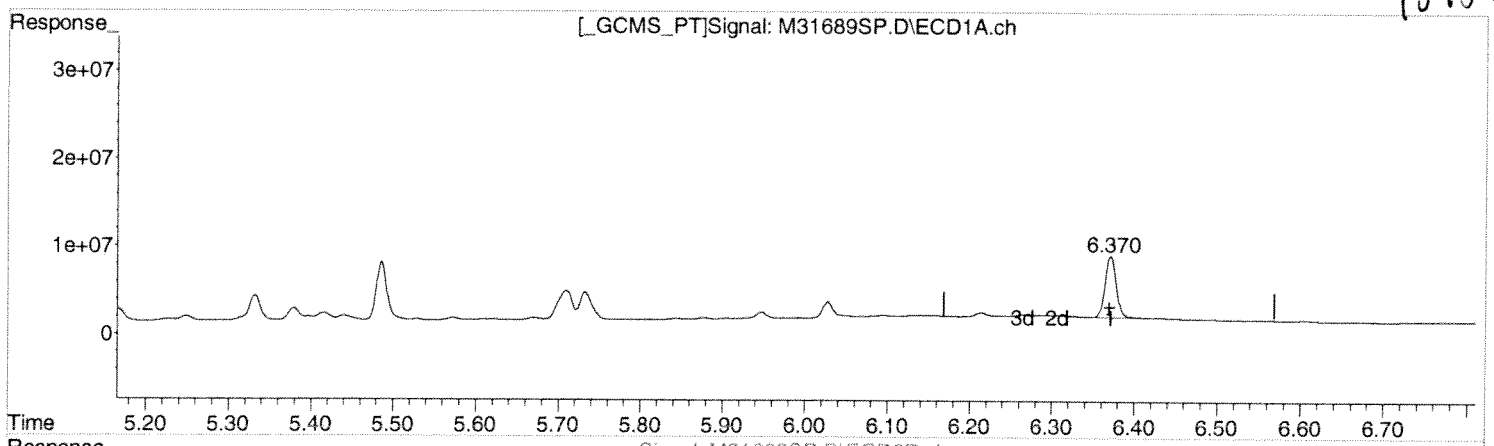
(+) = Expected Retention Time

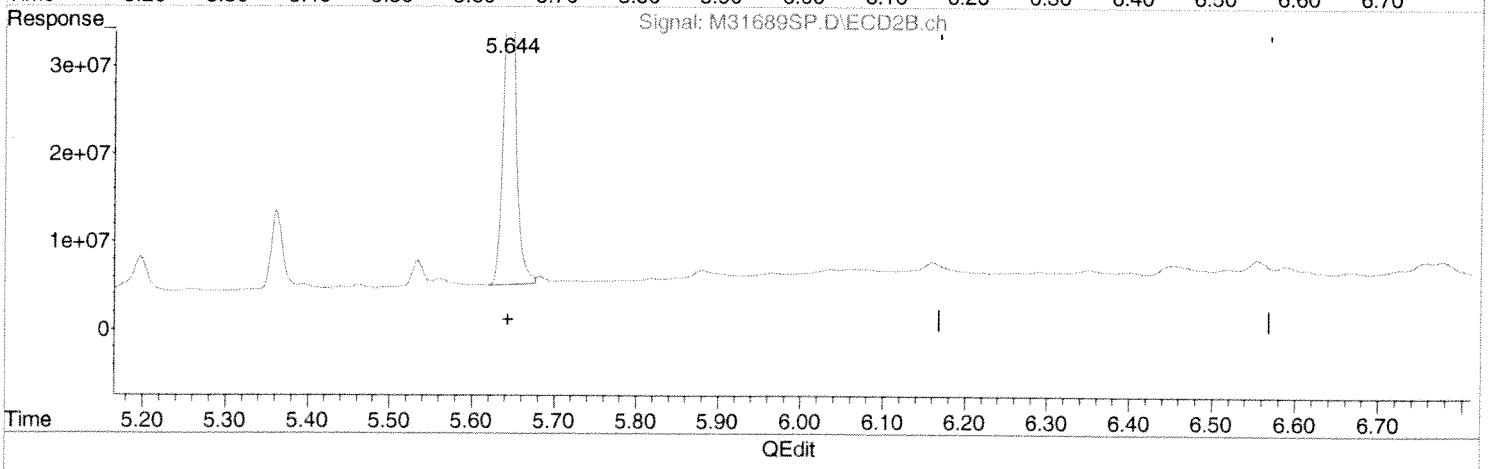
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31689SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:17 pm
Operator : JK
Sample : 67967-3,MSD,,A/C
Misc : SOIL
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:25:54 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.15.10





(17) DCB (S)
6.370min 55.738 ug/ml m
response 65612604

(17) DCB #2 (S)
5.644min 58.858 ug/ml m
response 423004316

10/15/10

(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:38:10 2010

analytics environmental laboratory, LLC

100910-M

PEST/PCB/HERB
Instrument M
Sequence Log Book

Load: JM
Unload: JM

Data File	Vial #	Sample	Method	Comments	Final Vol.
M31511-32	100	Hexane	PCB 100910.m		
33 51	6	PS538 16160 0.02 ng/mL		✓	
34 51	7	PS539 0.05		✓	
35 51	8	PS540 0.1		✓	
36 51	9	PS542 0.25		✓	
37 51	10	PS544 0.5		✓	
38 51	11	PS485 0.75		✓	
39 52	12	PS545 1.0		✓	
40 51	13	PS546 2.0		✓	
41 CC	14	PS549 16160 ICV 0.5 ng/mL		✓	
42 51	15	PS489 AR 1254 0.0625 ng/mL		✓	
43 51	16	PS490 0.125		✓	
44 51	17	PS491 0.25		✓	
45 51	18	PS552 0.5		✓	
46 51	19	PS495 1.0		✓	
47 51	20	PS496 2.0		✓	
48 CC	21	PS498 AR 1254 ICV 0.5 ng/mL		✓	
49	22	PS476 AR 1221 1.0 ng/mL			
50	23	PS557 AR 1232			
51	24	PS559 AR 1242			
52	25	PS561 AR 1248			
53	26	PS556 AR 1262			
54	27	PS478 AR 1268			
55-70	100	Hexane			

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot : 1008355

MTBE Lot:

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1: 03/09/10

analytics environmental laboratory LLC

101210-M cont

PEST/PCB/HERB
Instrument M
Sequence Log Book

Load: JL
Unload: JL

Data File	Vial #	Sample	Method	Comments	Final Vol.
M31661	52	~~BS~~ 67975-16..AL	PCB100910.M	✓	5mL
62	53	⊥ -18..AL		✓	⊥
63SC	1	PS542 16/60 0.25ug/mL		✓	
64SC	4	PS550 AR1254 0.25ug/mL		✓	
65SC	2	PS544 16/60 0.5ug/mL		✓	
66SC	5	PS552 AR1254 0.5ug/mL		✓	
67B	6	B100810PS0X2..AL		✓	5mL
68Q	7	L100810PS0X10..AL		✓	
69Q	8	LD100810PS0X10..AL		✓	
70	9	67985-1..AL		✓	
71	10	-2..		✓	
72	11	-3..		✓	
73	12	-4..		✓	
74	13	-5..		✓	
75	14	-6..		✓	
76	15	-7..		✓	
77	16	-8..		✓	
78	17	-9..		✓	
79SC	1	PS542 16/60 0.25ug/mL		✓	
80SC	4	PS550 AR1254 0.25ug/mL		✓	
81B	6	B100810PS0X2..AL		✓	5mL
82Q	7	L100810PS0X2..AL		✓	
83Q	8	LD100810PS0X2..AL		✓	
84	9	68001-1..AL		m 500X	
85	10	67967-1..AL		✓	
86	11	-2..		✓	
87	12	-3..		✓	
88	13	-3.MS..AL		✓	
89	14	-3.MSD..AL		✓	
90	15	-4..AL		✓	
91SC	1	PS542 16/60 0.25ug/mL		✓	
92SC	4	PS550 AR1254 0.25ug/mL		✓	
93SC	2	PS544 16/60 0.5ug/mL		✓	
94SC	5	PS552 AR1254 0.5ug/mL		✓	
95B	16	B100810PS0X..AL			5mL
96Q	17	L100810PS0X..AL			
97Q	18	LD100810PS0X..AL			
98	19	67976-1..AL			
99	20	-2..			
100SC	21	-2.MS..AL			
101SC	22	-2.MSD..A			

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot : 1008355

MTBE Lot:

* Continued onto the Next page.

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1: 03/09/10

[45]

C:\msdchem\1\METHODS\PCB100910.M

Level 1 File Name	
Level 2 File Name	M31533SI.D
Level 3 File Name	M31534SI.D
Level 4 File Name	M31535SI.D
Level 5 File Name	M31536SI.D
Level 6 File Name	M31537SI.D
Level 7 File Name	M31538SI.D
Level 8 File Name	M31539SI.D
Level 8 File Name	M31540SI.D
Level 10 File Name	M31542SI.D
Level 11 File Name	M31543SI.D
Level 12 File Name	M31544SI.D
Level 13 File Name	M31545SI.D
Level 14 File Name	M31546SI.D
Level 15 File Name	M31547SI.D

JL 10-12-10

RESPONSE = X + YA + Z(A*A)

Name	Calibration Fit	R^2	R	X	Y	Z
TCX	1	0.051	0.226	0.00E-01	1.83E+06	0.00E-01
Ar1016 A	0	0.999	0.999	1.56E+06	2.93E+07	0.00E-01
Ar1016 B	0	1.000	1.000	1.65E+06	4.99E+07	0.00E-01
Ar1016 C	0	1.000	1.000	9.88E+05	3.21E+07	0.00E-01
Ar1016 D	0	0.999	0.999	1.22E+06	2.71E+07	0.00E-01
Ar1016 E	0	1.000	1.000	1.40E+06	4.02E+07	0.00E-01
Ar1260 A	0	1.000	1.000	2.40E+06	7.50E+07	0.00E-01
Ar1260 B	0	1.000	1.000	2.36E+06	8.88E+07	0.00E-01
Ar1260 C	0	1.	1.000	2.78E+06	8.38E+07	0.00E-01
Ar1260 D	0	.999	1.000	2.09E+06	6.53E+07	0.00E-01
Ar1260 E	0	1.000	1.000	1.74E+06	7.47E+07	0.00E-01
Ar1254 A	1	0.118	0.343	0.00E-01	6.67E+07	0.00E-01
Ar1254 B	1	0.123	0.351	0.00E-01	7.38E+07	0.00E-01
Ar1254 C	1	0.104	0.323	0.00E-01	6.02E+07	0.00E-01
Ar1254 D	1	0.097	0.311	0.00E-01	9.05E+07	0.00E-01
Ar1254 E	1	0.175	0.418	0.00E-01	5.35E+07	0.00E-01
DCB	1	0.120	0.347	0.00E-01	1.18E+06	0.00E-01
Signal #2	0	0.000	0.000	0.00E-01	0.00E-01	0.00E-01
TCX #2	1	0.034	0.185	0.00E-01	8.69E+06	0.00E-01
Ar1016 A #2	0	0.995	0.998	7.95E+06	1.67E+08	0.00E-01
Ar1016 B #2	0	1.000	1.000	7.61E+06	3.03E+08	0.00E-01
Ar1016 C #2	0	1.000	1.000	4.06E+06	2.72E+08	0.00E-01
Ar1016 D #2	0	1.000	1.000	4.47E+06	2.80E+08	0.00E-01
Ar1016 E #2	0	1.000	1.000	2.33E+06	1.11E+08	0.00E-01
Ar1260 A #2	0	1.000	1.000	5.54E+06	4.09E+08	0.00E-01
Ar1260 B #2	0	1.000	1.000	7.70E+06	6.38E+08	0.00E-01
Ar1260 C #2	0	1.000	1.000	7.20E+06	6.89E+08	0.00E-01
Ar1260 D #2	0	1.000	1.000	3.38E+06	4.38E+08	0.00E-01
Ar1260 E #2	0	1.000	1.000	1.80E+06	4.10E+08	0.00E-01
Ar1254 A #2	1	0.062	0.249	0.00E-01	2.71E+08	0.00E-01
Ar1254 B #2	1	0.054	0.233	0.00E-01	5.20E+08	0.00E-01
Ar1254 C #2	1	0.043	0.208	0.00E-01	3.12E+08	0.00E-01
Ar1254 D #2	1	0.047	0.216	0.00E-01	4.84E+08	0.00E-01
Ar1254 E #2	1	0.071	0.267	0.00E-01	4.27E+08	0.00E-01
DCB #2	1	0.039	0.196	0.00E-01	7.19E+06	0.00E-01

Regression= 0

10/12/10

Method Path : C:\msdchem\1\METHODS\
Method File : PCB100910.M
Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
Last Update : Tue Oct 12 11:36:26 2010
Response Via : Initial Calibration

Calibration Files
= 2 =M31533SI.D 3 =M31534SI.D
4 =M31535SI.D 5 =M31536SI.D 6 =M31537SI.D

JL 10.12.10

	Compound	2	3	4	5	6	Avg		%RSD
1)	S TCX	2.027	1.883	1.867	1.744	1.769	1.763	1.831 E6	5.12
2)	L1M Ar1016 A	4.881	5.130	4.443	3.674	3.424	3.240	3.862 E7	21.77
3)	L1M Ar1016 B	8.671	7.168	6.618	5.808	5.505	5.294	6.161 E7	20.38
4)	L1M Ar1016 C	5.011	4.471	4.212	3.711	3.528	3.382	3.859 E7	16.58
5)	L1M Ar1016 D	4.635	4.066	3.868	3.324	3.116	2.952	3.446 E7	19.54
6)	L1M Ar1016 E	6.639	5.733	5.479	4.749	4.461	4.264	4.946 E7	18.52
7)	L2M Ar1260 A	1.515	1.102	1.012	0.863	0.820	0.785	0.954 E8	27.01
8)	L2M Ar1260 B	1.798	1.263	1.151	1.003	0.952	0.917	1.111 E8	27.60
9)	L2M Ar1260 C	1.938	1.229	1.105	0.968	0.919	0.880	1.094 E8	33.40
10)	L2M Ar1260 D	1.188	0.927	0.850	0.750	0.701	0.712	0.807 E8	22.22
11)	L2M Ar1260 E	1.370	1.003	0.936	0.838	0.797	0.769	0.904 E8	23.11
12)	L3M Ar1254 A							6.669 E7	11.78
13)	L3M Ar1254 B							7.383 E7	12.29
14)	L3M Ar1254 C							6.019 E7	10.40
15)	L3M Ar1254 D							0.905 E8	9.67
16)	L3M Ar1254 E							5.349 E7	17.50
17)	S DCB	1.441	1.312	1.255	1.110	1.087	1.073	1.177 E6	12.02

Linear

Signal #2 Calibration Files
= 2 =M31533SI.D 3 =M31534SI.D
4 =M31535SI.D 5 =M31536SI.D 6 =M31537SI.D

	Compound	2	3	4	5	6	Avg		%RSD
1)	S TCX	9.240	8.826	8.911	8.598	8.657	8.535	8.692 E6	3.41
2)	L1M Ar1016 A	2.118	1.840	2.505	2.153	1.833	1.988	1.982 E8	13.67
3)	L1M Ar1016 B	4.175	3.780	3.677	3.396	3.284	3.192	3.461 E8	11.15
4)	L1M Ar1016 C	3.314	3.163	3.169	2.858	2.876	2.789	2.960 E8	7.48
5)	L1M Ar1016 D	3.485	3.195	3.221	3.012	2.921	2.849	3.049 E8	7.65
6)	L1M Ar1016 E	1.966	1.334	1.297	1.233	1.177	1.149	1.300 E8	21.56
7)	L2M Ar1260 A	6.531	4.883	4.668	4.361	4.246	4.160	4.639 E8	17.50
8)	L2M Ar1260 B	1.047	0.745	0.718	0.669	0.659	0.647	0.722 E9	18.91
9)	L2M Ar1260 C	1.245	0.806	0.767	0.713	0.705	0.694	0.790 E9	23.87
10)	L2M Ar1260 D	6.095	4.970	4.834	4.517	4.466	4.399	4.760 E8	12.21
11)	L2M Ar1260 E	5.111	4.414	4.393	4.155	4.134	4.117	4.319 E8	7.96
12)	L3M Ar1254 A							2.710 E8	6.18
13)	L3M Ar1254 B							5.201 E8	5.43
14)	L3M Ar1254 C							3.119 E8	4.32
15)	L3M Ar1254 D							4.836 E8	4.66
16)	L3M Ar1254 E							4.271 E8	7.15
17)	S DCB	7.805	7.250	7.306	6.942	7.051	7.045	7.187 E6	3.86

Linear

(#) = Out of Range ### Number of calibration levels exceeded format ###

JL 10.12.10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31533SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:30 pm
Operator : JK
Sample : P5538 16/60 0.02 UG/ML
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:26:31 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

JK 10.12.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.134	1.801	8109225	36960829	3.242	4.523 #
Spiked Amount	100.000 Range	46 - 122	Recovery	=	3.24%#	4.52%#
17) S DCB	6.370	5.643	5762356	31220939	2.921	4.384 #
Spiked Amount	100.000 Range	40 - 135	Recovery	=	2.92%#	4.38%#
Target Compounds						
2) L1M Ar1016 A	2.455	1.986	976247	4235791	0.018	0.021
3) L1M Ar1016 B	3.197	2.191	1734287	8349266	0.042m	0.025 #
4) L1M Ar1016 C	3.280	2.568	1002290	6628629	0.011	0.026 #
5) L1M Ar1016 D	3.347	2.844	927000	6970710	0.019	0.049 #
6) L1M Ar1016 E	3.567	3.113	1327726	3931504	0.022	0.027
Sum Ar1016 A			5967552	30115900	0.112	0.148
Average Ar1016 A					0.022	0.030
7) L2M Ar1260 A	4.613	3.742	3030685	13061574	0.024	0.032 #
8) L2M Ar1260 B	4.783	3.958	3596918	20931840	0.024	0.029
9) L2M Ar1260 C	4.913	4.181	3875491	24899060	0.033	0.040
10) L2M Ar1260 D	5.127	4.271	2375472	12189020	0.020	0.034 #
11) L2M Ar1260 E	5.331	4.471	2740945	10222549	0.043	0.043
Sum Ar1260 A			15619511	81304044	0.144	0.178
Average Ar1260 A					0.029	0.036
12) L3M Ar1254 A	3.909	3.113	1140934	3931504	0.015	0.015
13) L3M Ar1254 B	4.059	3.300	1352215	6277882	0.009	0.023 #
14) L3M Ar1254 C	4.352	3.508	630847	4669728	0.007	0.009 #
15) L3M Ar1254 D	4.637	3.816	1045692	5413866	0.011	0.014 #
16) L3M Ar1254 E	4.783	3.958	3596918	20931840	0.022	0.048 #
Sum Ar1254 A			7766606	41224820	0.063	0.110
Average Ar1254 A					0.013	0.022

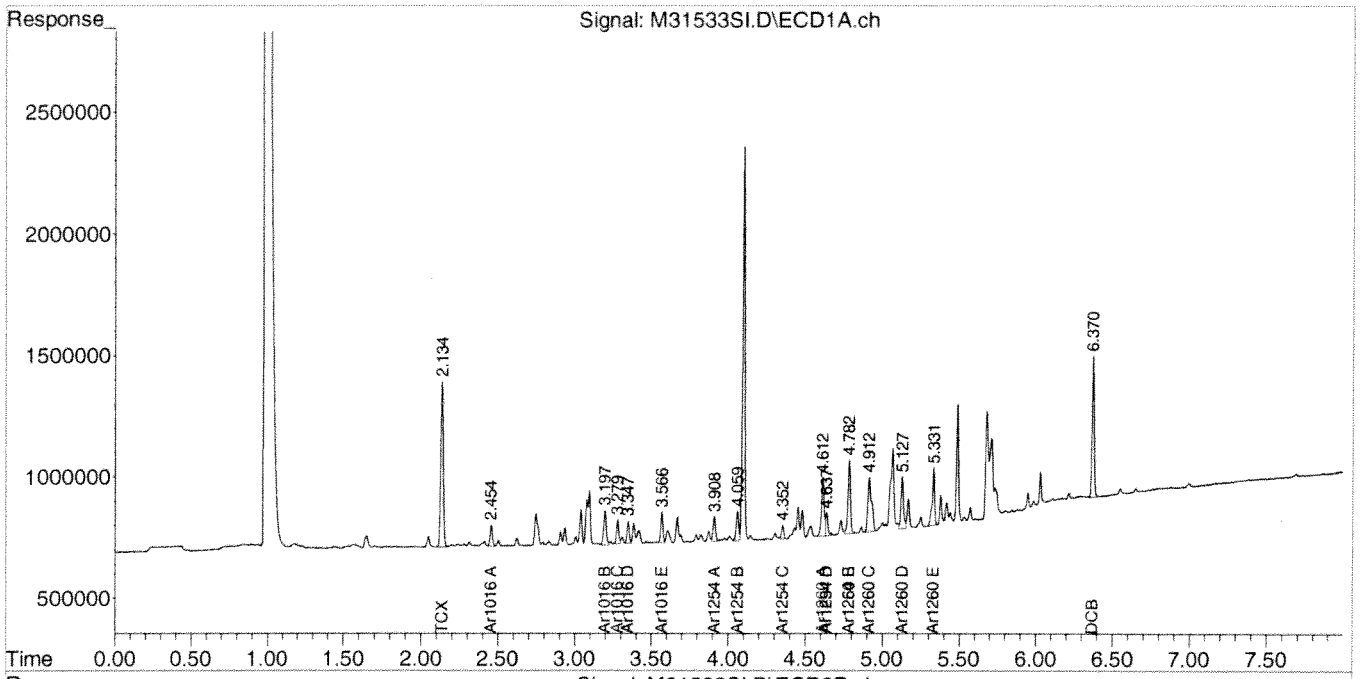
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

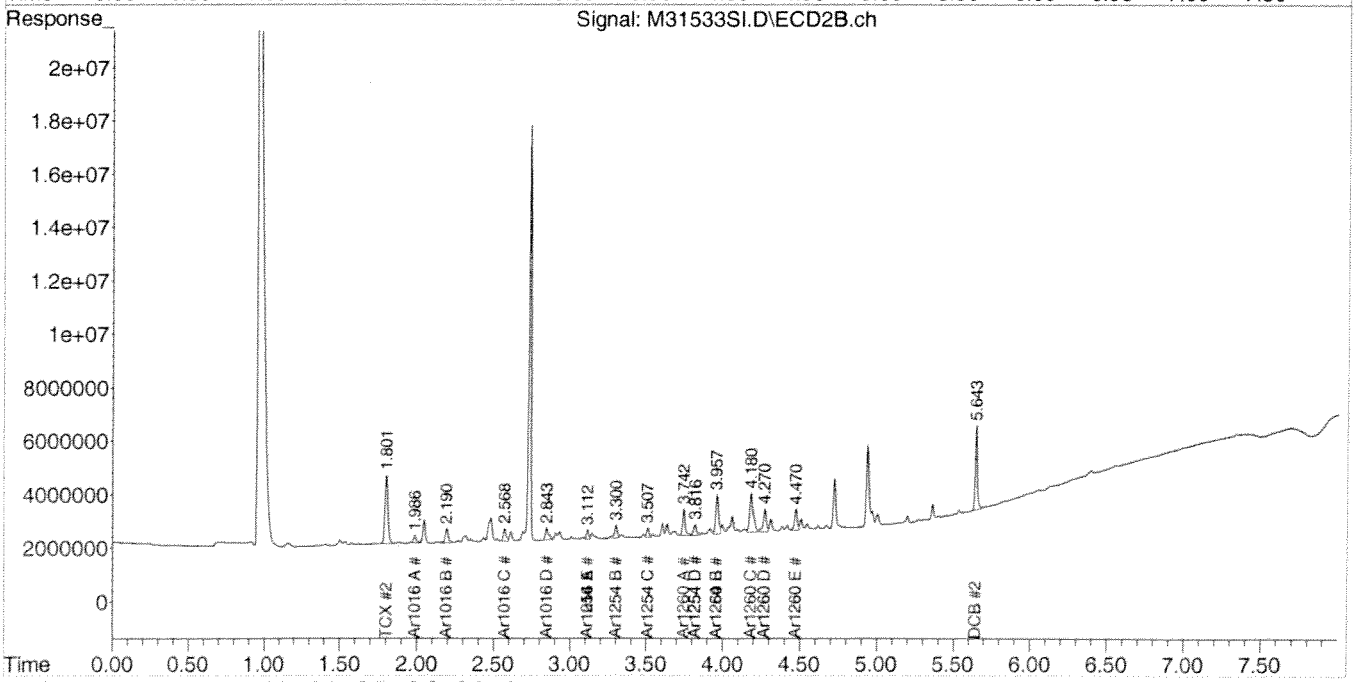
JK 10/12/10

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31533SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:30 pm
Operator : JK
Sample : P5538 16/60 0.02 UG/ML
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:26:31 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





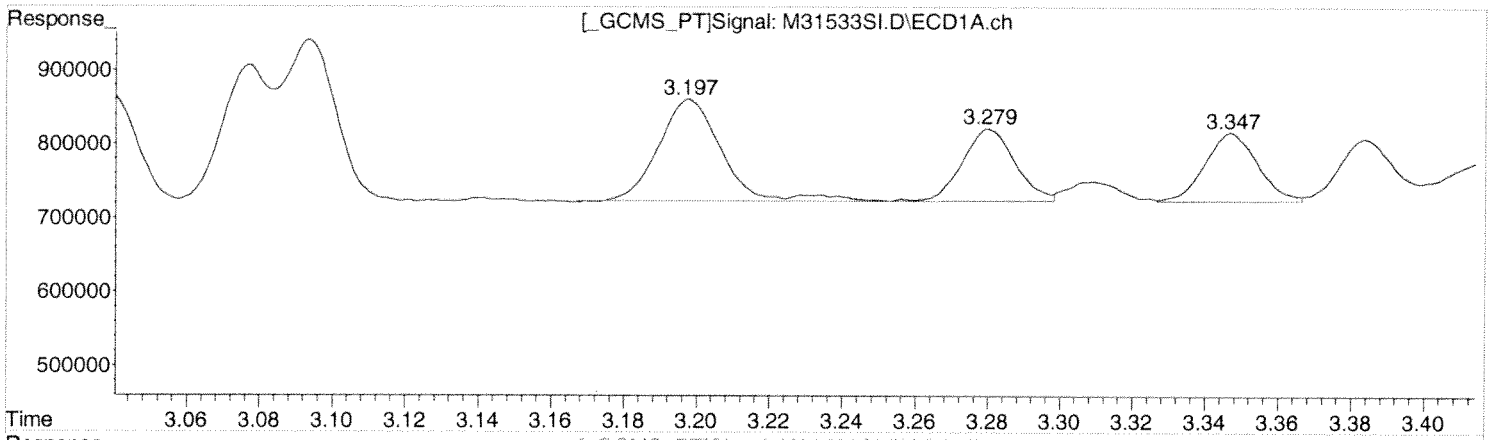
Quantitation Report (Qedit)

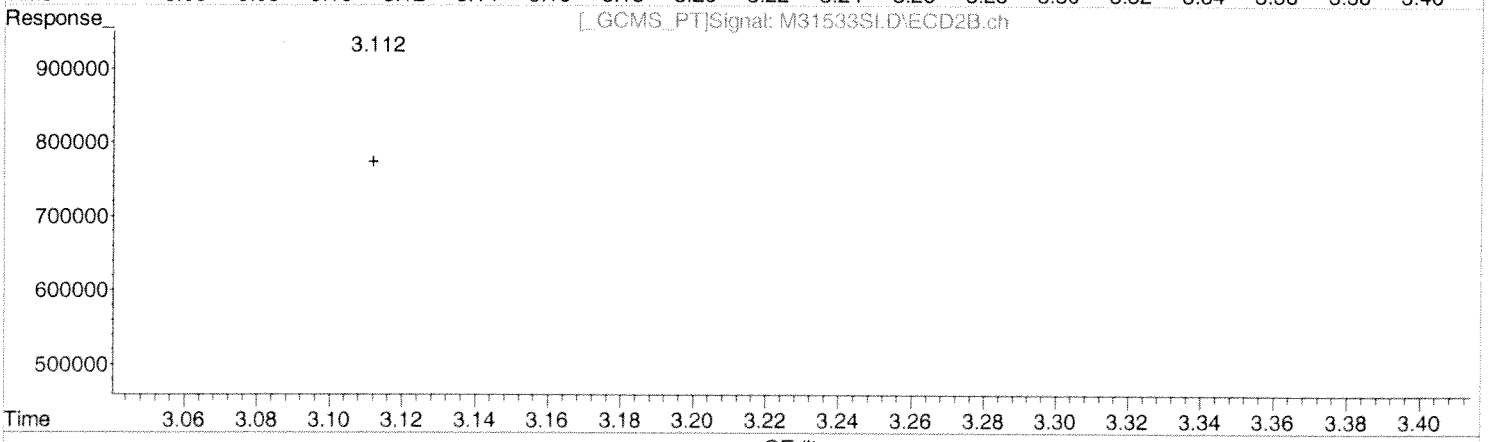
Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31533SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:30 pm
Operator : JK
Sample : P5538 16/60 0.02 UG/ML
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:35 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

JK 10.12.10 KEA

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





QEdit

(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.45	976247	0.02
3.20	1707922	0.04
3.28	1002290	0.01
3.35	927000	0.02
3.57	1327726	0.02

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	4235791	0.02
2.19	8349266	0.03
2.57	6628629	0.03
2.84	6970710	0.05
3.11	3931504	0.03

J101261

(+) = Expected Retention Time

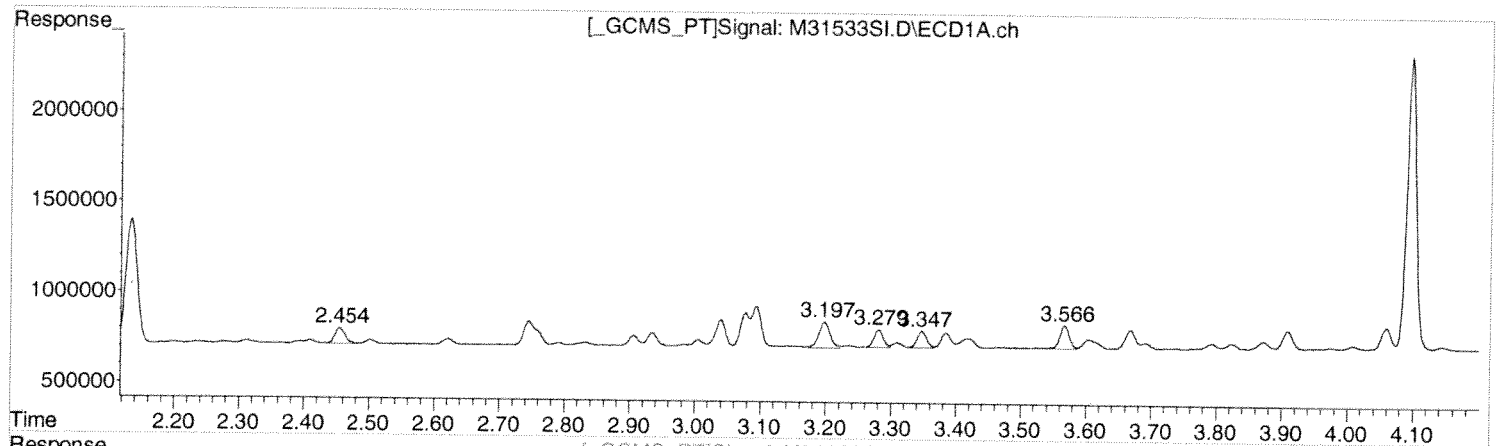
Quantitation Report (Qedit)

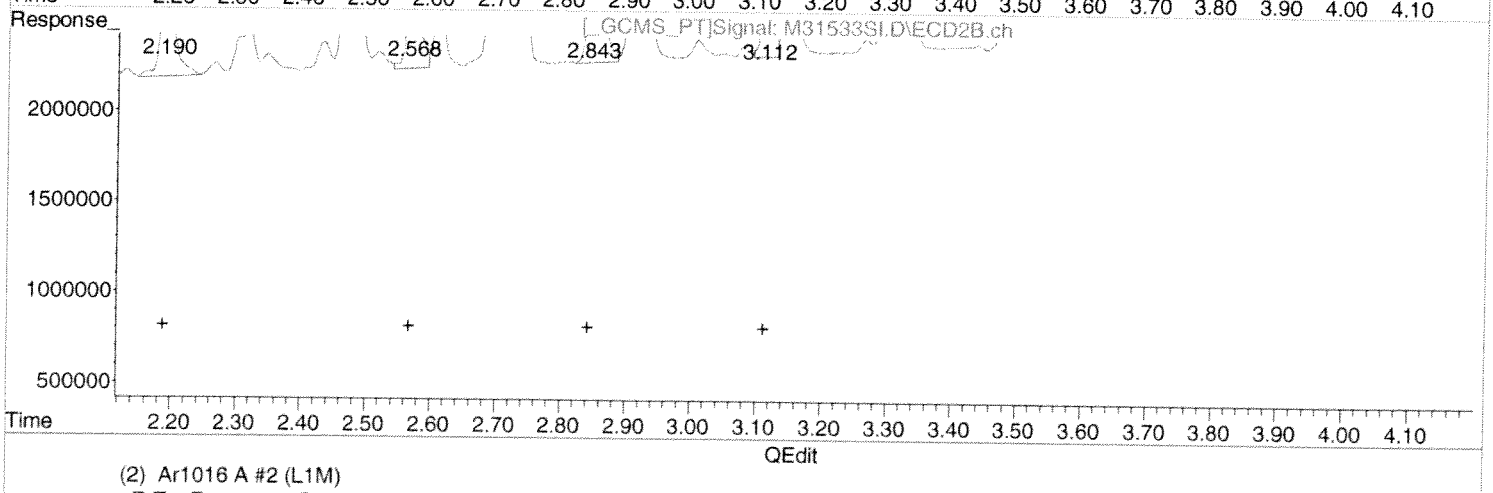
Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31533SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:30 pm
Operator : JK
Sample : P5538 16/60 0.02 UG/ML
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:35 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-12-10





(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.45	976247	0.02
3.20	1734287	0.04
3.28	1002290	0.01
3.35	927000	0.02
3.57	1327726	0.02

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	4235791	0.02
2.19	8349266	0.03
2.57	6628629	0.03
2.84	6970710	0.05
3.11	3931504	0.03

JL 101210

(+) = Expected Retention Time
PCB100910.M Tue Oct 12 11:26:35 2010

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31534SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:40 pm
Operator : JK
Sample : P5539 16/60 0.05 UG/ML
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:37:20 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.12.10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.135	1.800	18828115	88261808	10.285	10.155
Spiked Amount	100.000	Range	46 - 122	Recovery =	10.29%#	10.15%#
17) S DCB	6.371	5.644	13119499	72503275	11.145	10.088
Spiked Amount	100.000	Range	40 - 135	Recovery =	11.15%#	10.09%#
Target Compounds						
2) L1M Ar1016 A	2.456	1.985	2565157	9200348	0.034	0.007 #
3) L1M Ar1016 B	3.199	2.190	3584141	18900419	0.039	0.037
4) L1M Ar1016 C	3.281	2.568	2235361	15813776	0.039	0.043
5) L1M Ar1016 D	3.348	2.843	2032943	15972749	0.030	0.041 #
6) L1M Ar1016 E	3.568	3.113	2866701	6672103	0.037	0.039
Sum Ar1016 A			13284302	66559395	0.178	0.168
Average Ar1016 A					0.036	0.034
7) L2M Ar1260 A	4.614	3.742	5509075	24413957	0.041	0.046
8) L2M Ar1260 B	4.784	3.957	6312685	37235823	0.045	0.046
9) L2M Ar1260 C	4.914	4.180	6143311	40281472	0.040	0.048
10) L2M Ar1260 D	5.128	4.271	4637311	24848443	0.039	0.049 #
11) L2M Ar1260 E	5.332	4.471	5015740	22070449	0.044	0.049
Sum Ar1260 A			27618121	148.9E6	0.209	0.239
Average Ar1260 A					0.042	0.048
12) L3M Ar1254 A	3.910	3.113	1866501	6672103	0.028	0.025
13) L3M Ar1254 B	4.060	3.300	1763570	8031226	0.024	0.015 #
14) L3M Ar1254 C	4.353	3.505	312429	6343168	0.005	0.020 #
15) L3M Ar1254 D	4.614	3.819	5509075	3000980	0.061	0.006 #
16) L3M Ar1254 E	4.784	3.957	6312685	37235823	0.118	0.087 #
Sum Ar1254 A			15764260	61283300	0.236	0.154
Average Ar1254 A					0.047	0.031

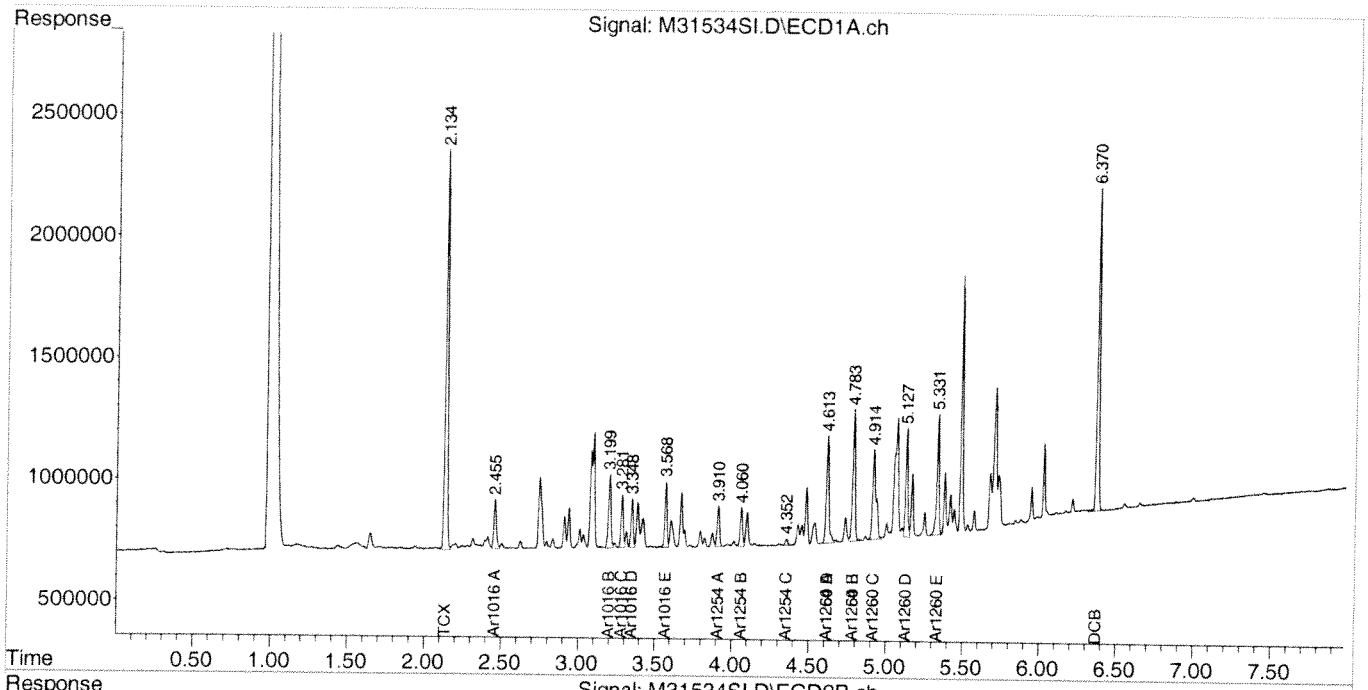
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

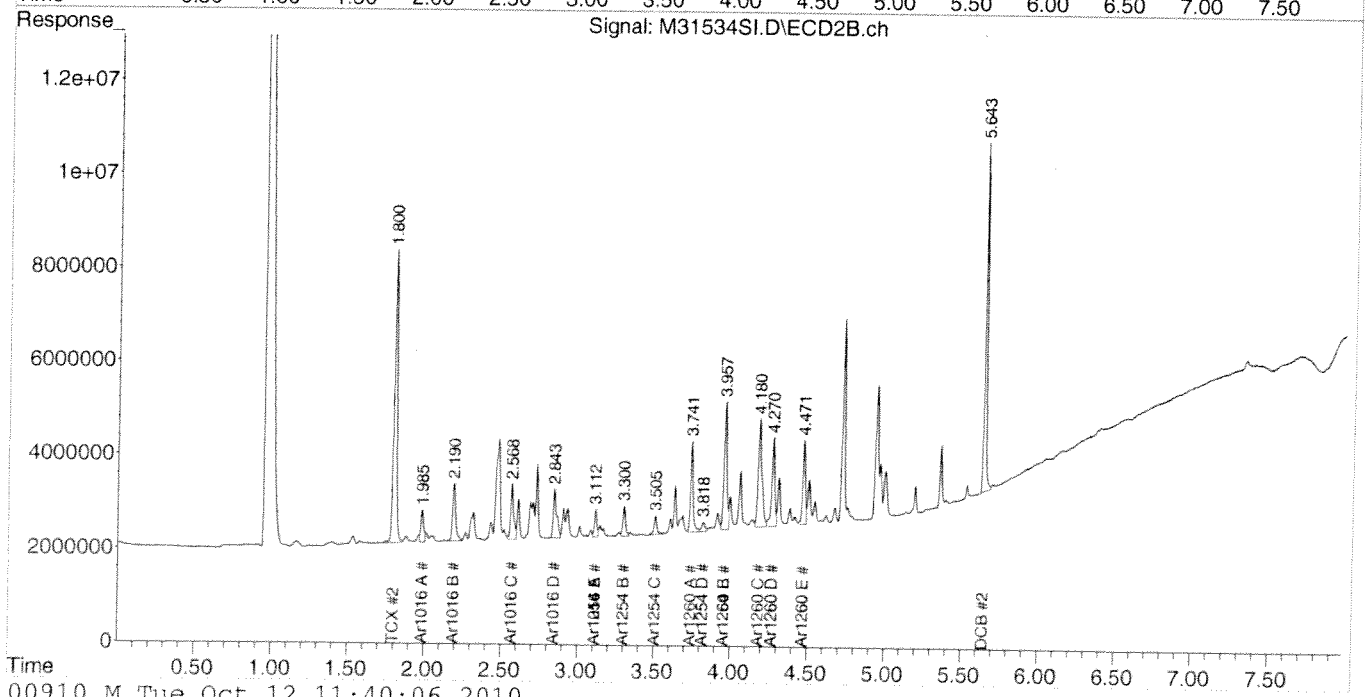
J101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31534SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:40 pm
Operator : JK
Sample : P5539 16/60 0.05 UG/ML
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:37:20 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



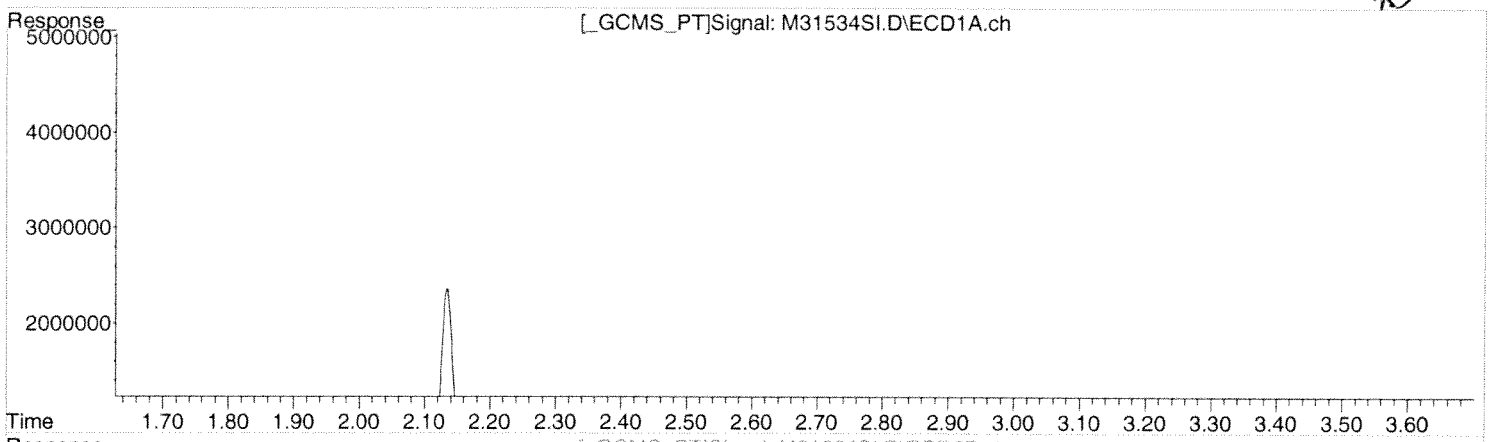


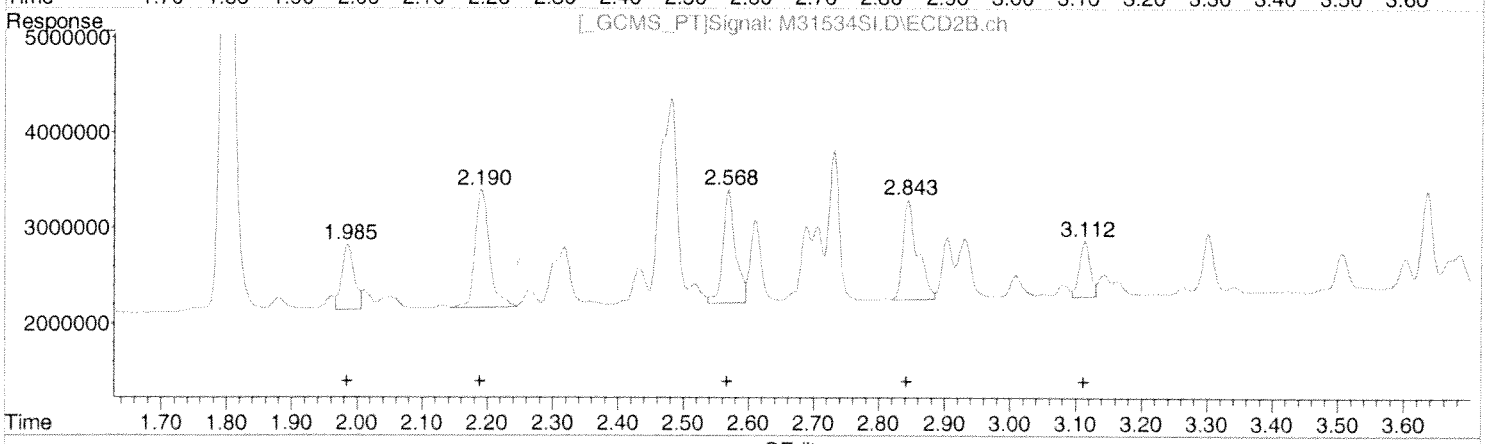
Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31534SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:40 pm
Operator : JK
Sample : P5539 16/60 0.05 UG/ML
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:42:35 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-12-10 #3P





QEdit

(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.46	2565157	0.03
3.20	3584141	0.04
3.28	2235361	0.04
3.35	2032943	0.03
3.57	2866701	0.04

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	9200348	0.01
2.19	18900419	0.04
2.57	15813776	0.04
2.84	15972749	0.04
3.11	6672103	0.04

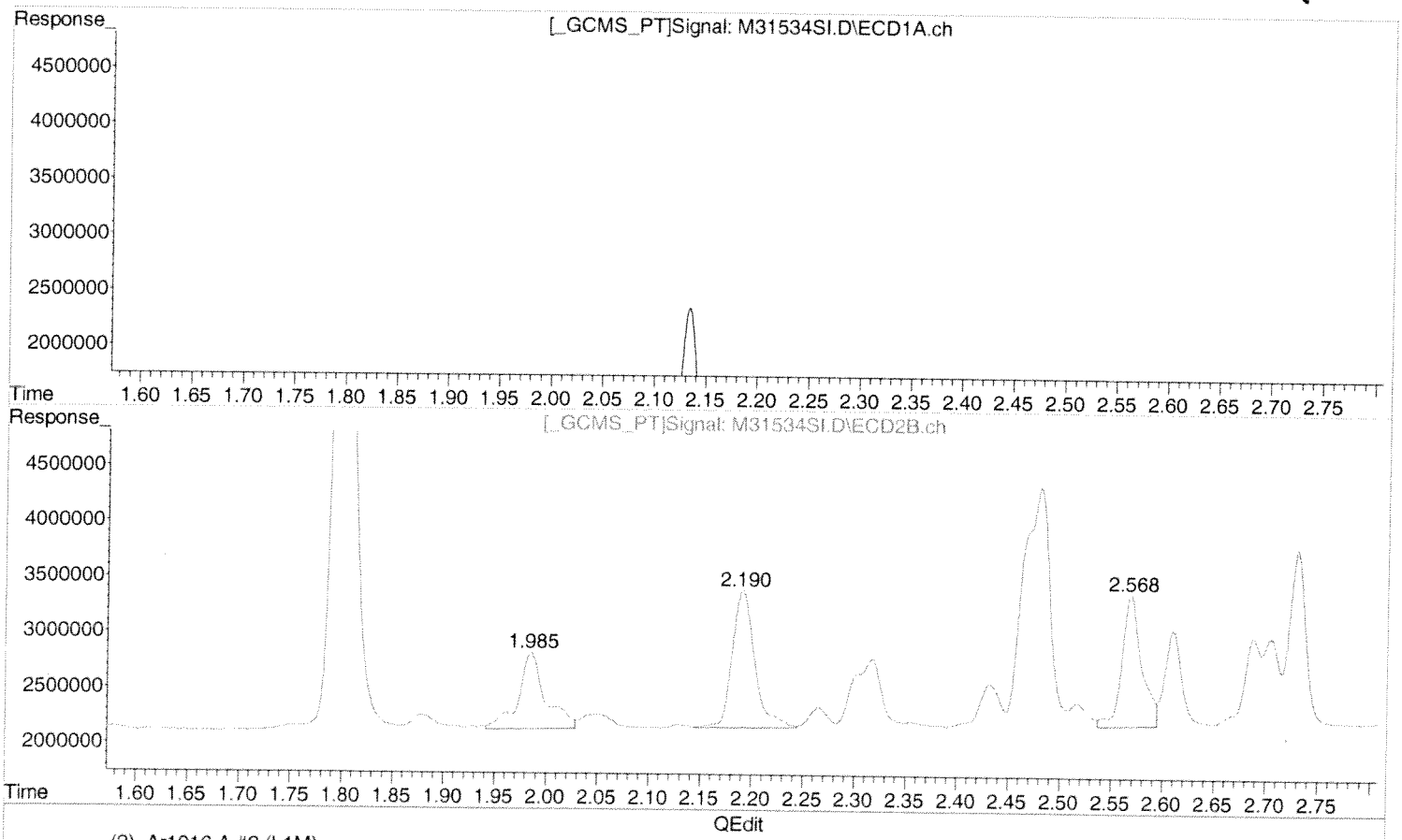
J101216

(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31534SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:40 pm
Operator : JK
Sample : P5539 16/60 0.05 UG/ML
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:42:35 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.46	2565157	0.03
3.20	3584141	0.04
3.28	2235361	0.04
3.35	2032943	0.03
3.57	2866701	0.04

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.98	12667820	0.03
2.19	18900419	0.04
2.57	15813776	0.04
2.84	15972749	0.04
3.11	6672103	0.04

(+) = Expected Retention Time

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5539 16/60 0.05 UG/ML
Column ID:	0.25 mm	Data File ID:	M31534SI.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

JL 10-12-11

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				10.285	103		10.155	102	
PCB 1016				0.036	71		0.038	76	
PCB 1260				0.042	84		0.048	96	
DCB				11.145	111		10.088	101	

Lower Limit	Upper Limit
70	130

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: Requanted against curve

JL 01/2/10

PCB FORM 7

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31534SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:40 pm
Operator : JK
Sample : P5539 16/60 0.05 UG/ML
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:44:07 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-12-1

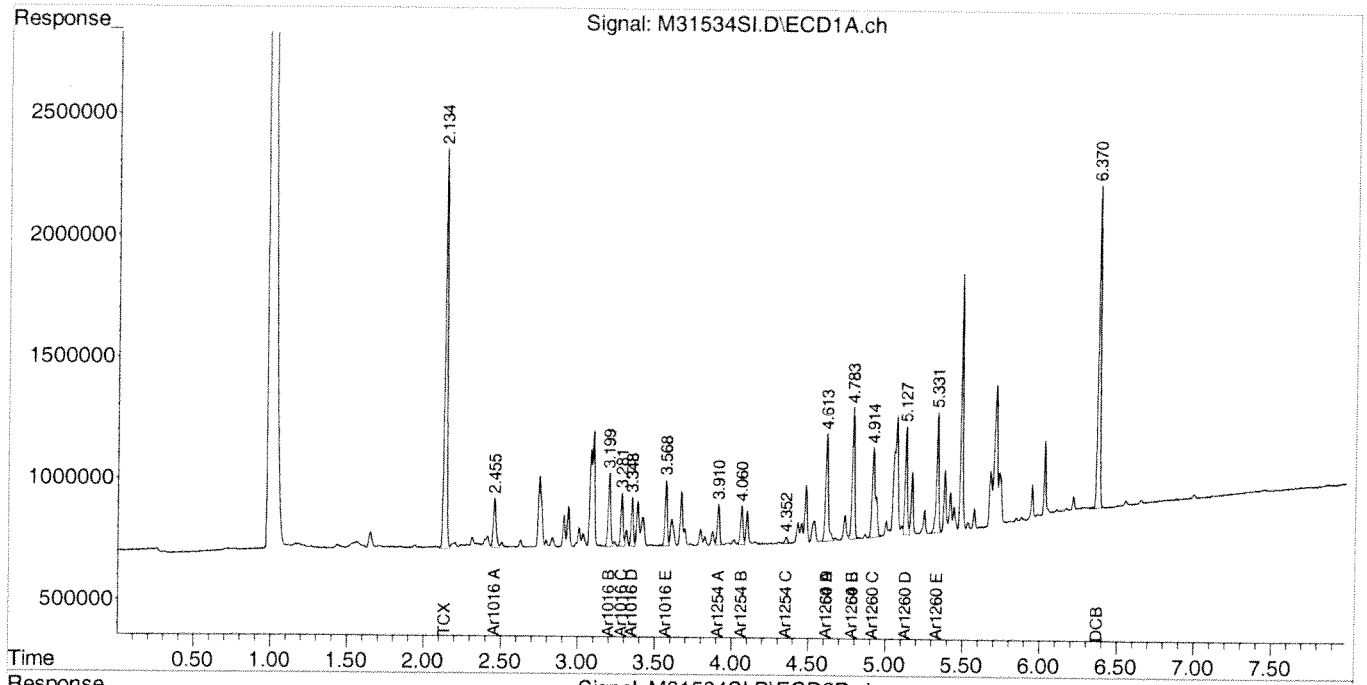
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.135	1.800	18828115	88261808	10.285	10.155
Spiked Amount	100.000	Range	46 - 122	Recovery	= 10.29%#	10.15%#
17) S DCB	6.371	5.644	13119499	72503275	11.145	10.088
Spiked Amount	100.000	Range	40 - 135	Recovery	= 11.15%#	10.09%#
Target Compounds						
2) L1M Ar1016 A	2.456	1.985	2565157	12667820	0.034	0.028m
3) L1M Ar1016 B	3.199	2.190	3584141	18900419	0.039	0.037
4) L1M Ar1016 C	3.281	2.568	2235361	15813776	0.039	0.043
5) L1M Ar1016 D	3.348	2.843	2032943	15972749	0.030	0.041 #
6) L1M Ar1016 E	3.568	3.113	2866701	6672103	0.037	0.039
Sum Ar1016 A			13284302	70026866	0.178	0.189
Average Ar1016 A					0.036	0.038
7) L2M Ar1260 A	4.614	3.742	5509075	24413957	0.041	0.046
8) L2M Ar1260 B	4.784	3.957	6312685	37235823	0.045	0.046
9) L2M Ar1260 C	4.914	4.180	6143311	40281472	0.040	0.048
10) L2M Ar1260 D	5.128	4.271	4637311	24848443	0.039	0.049 #
11) L2M Ar1260 E	5.332	4.471	5015740	22070449	0.044	0.049
Sum Ar1260 A			27618121	148.9E6	0.209	0.239
Average Ar1260 A					0.042	0.048
12) L3M Ar1254 A	3.910	3.113	1866501	6672103	0.028	0.025
13) L3M Ar1254 B	4.060	3.300	1763570	8031226	0.024	0.015 #
14) L3M Ar1254 C	4.353	3.505	312429	6343168	0.005	0.020 #
15) L3M Ar1254 D	4.614	3.819	5509075	3000980	0.061	0.006 #
16) L3M Ar1254 E	4.784	3.957	6312685	37235823	0.118	0.087 #
Sum Ar1254 A			15764260	61283300	0.236	0.154
Average Ar1254 A					0.047	0.031

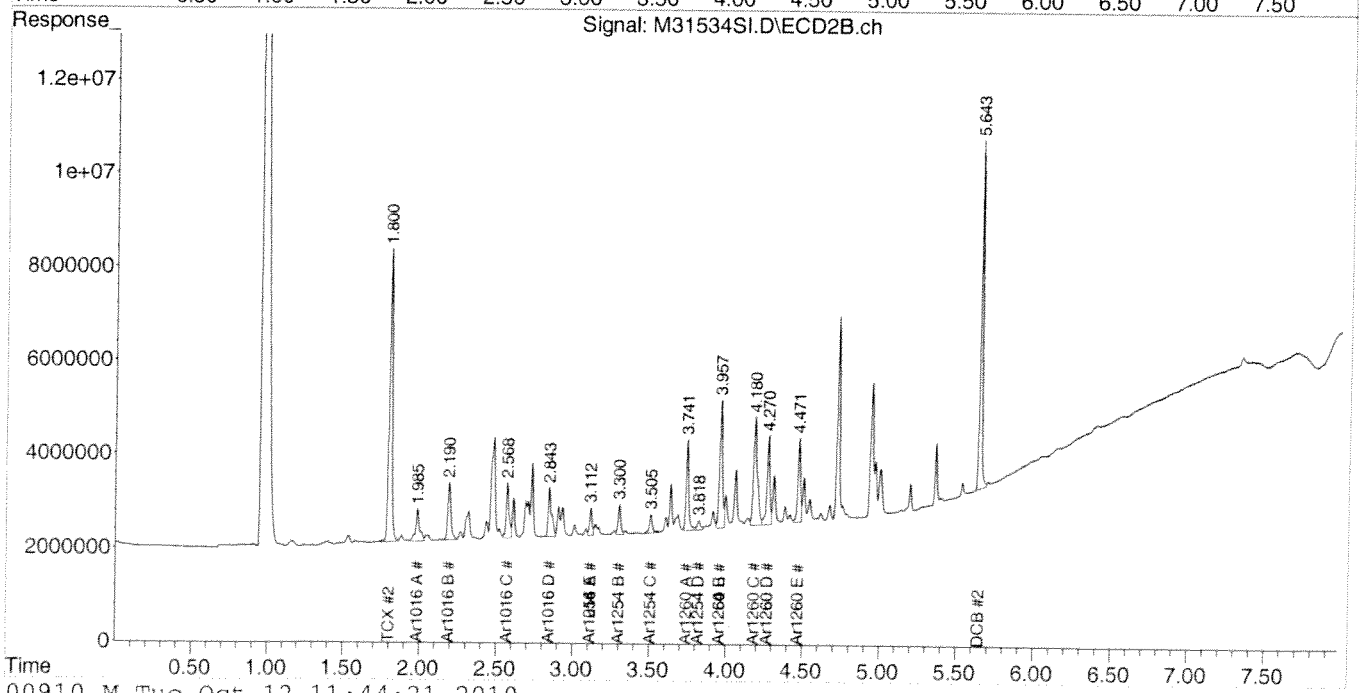
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31534SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:40 pm
Operator : JK
Sample : P5539 16/60 0.05 UG/ML
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:44:07 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31535SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:50 pm
Operator : JK
Sample : P5540 16/60 0.1 UG/ML
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:26:56 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10-12-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.135	1.801	37348665	178.2E6	14.931	21.809 #
Spiked Amount	100.000	Range	46 - 122	Recovery	= 14.93%#	21.81%#
17) S DCB	6.370	5.643	25097749	146.1E6	12.722	20.517 #
Spiked Amount	100.000	Range	40 - 135	Recovery	= 12.72%#	20.52%#
Target Compounds						
2) L1M Ar1016 A	2.455	1.986	4442829	25048389	0.081m	0.124 #
3) L1M Ar1016 B	3.198	2.191	6618049	36770664	0.161m	0.111 #
4) L1M Ar1016 C	3.280	2.568	4211526	31687924	0.045m	0.124 #
5) L1M Ar1016 D	3.348	2.844	3868013	32213050	0.077	0.226 #
6) L1M Ar1016 E	3.568	3.113	5478839	12965502	0.092	0.088
Sum Ar1016 A			24619256	138.7E6	0.456	0.673
Average Ar1016 A					0.091	0.135
7) L2M Ar1260 A	4.613	3.742	10123605	46680611	0.080	0.115 #
8) L2M Ar1260 B	4.783	3.957	11508259	71807928	0.076	0.099 #
9) L2M Ar1260 C	4.914	4.180	11045572	76744379	0.095	0.124 #
10) L2M Ar1260 D	5.127	4.271	8497643	48339338	0.072	0.135 #
11) L2M Ar1260 E	5.332	4.471	9356446	43925484	0.146	0.184 #
Sum Ar1260 A			50531526	287.5E6	0.469	0.656
Average Ar1260 A					0.094	0.131
12) L3M Ar1254 A	3.910	3.113	3565534	12965502	0.048	0.050
13) L3M Ar1254 B	4.060	3.301	3275095	16497587	0.021	0.062 #
14) L3M Ar1254 C	4.353	3.506	517760	10821209	0.005	0.020 #
15) L3M Ar1254 D	4.613	3.818	10123605	4605420	0.110	0.012 #
16) L3M Ar1254 E	4.783	3.957	11508259	71807928	0.069	0.165 #
Sum Ar1254 A			28990253	116.7E6	0.253	0.309
Average Ar1254 A					0.051	0.062

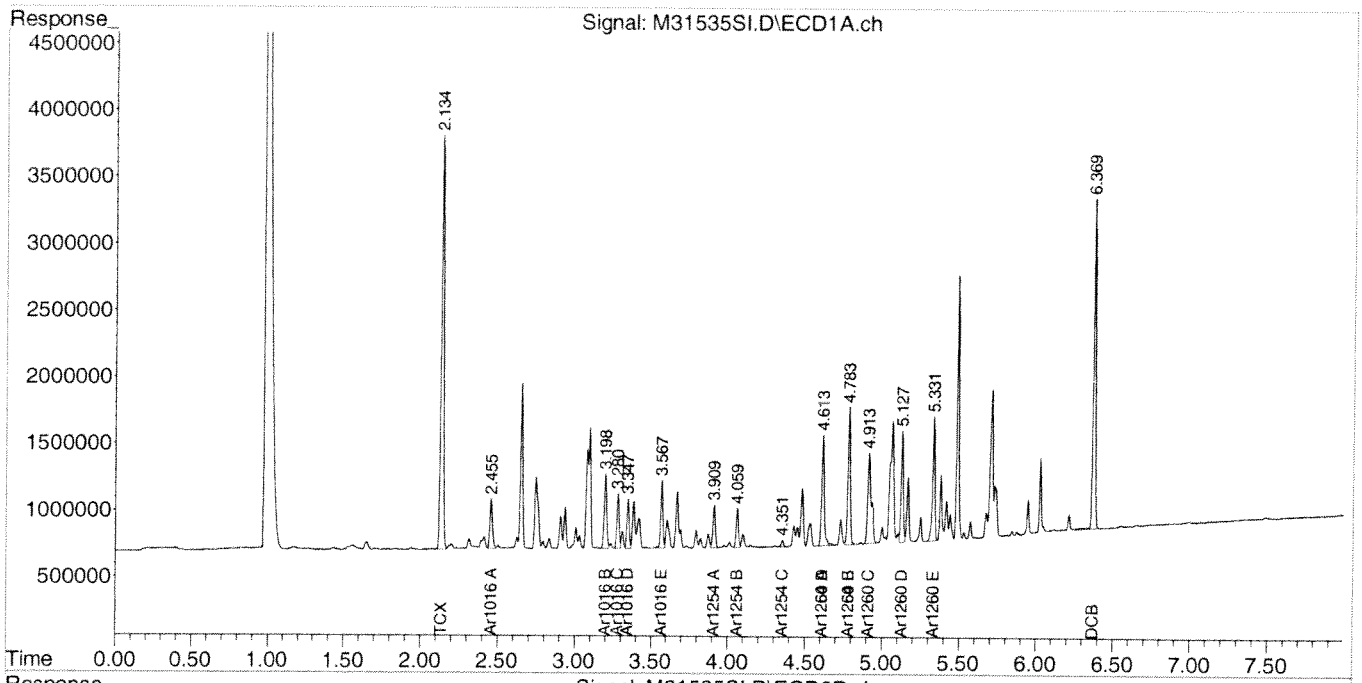
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

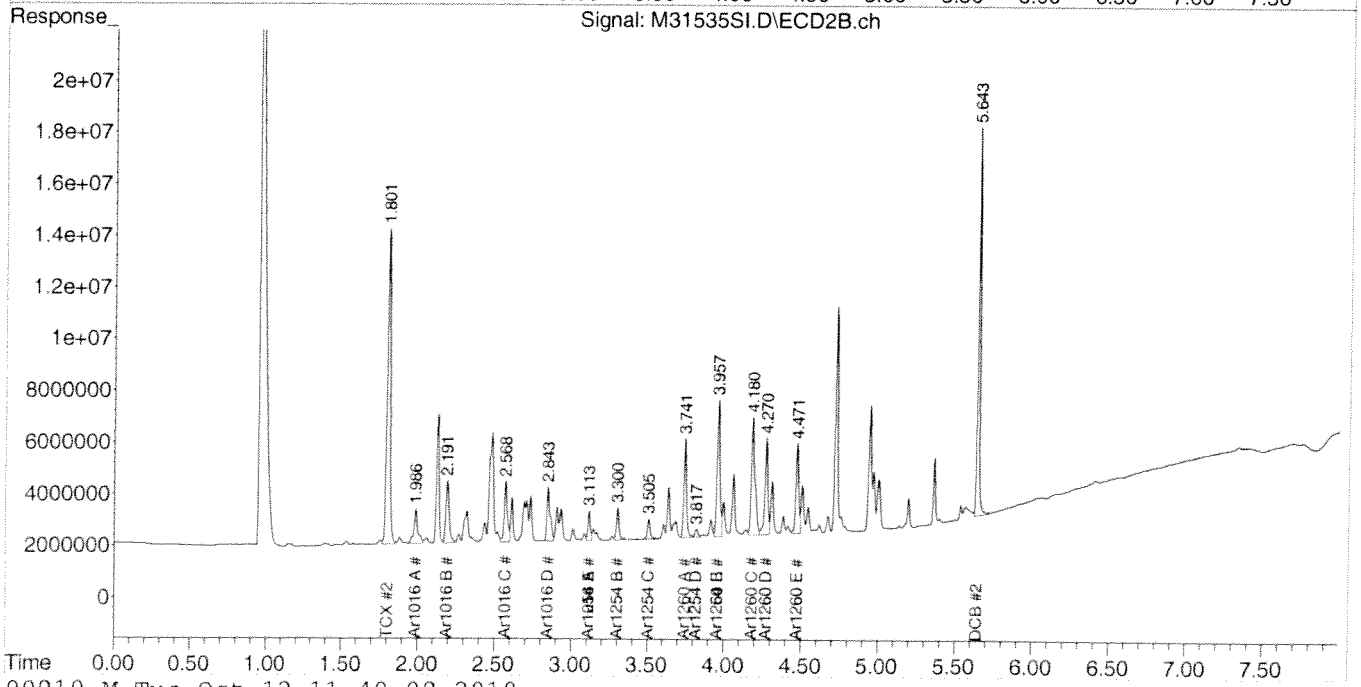
3101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31535SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:50 pm
Operator : JK
Sample : P5540 16/60 0.1 UG/ML
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:26:56 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





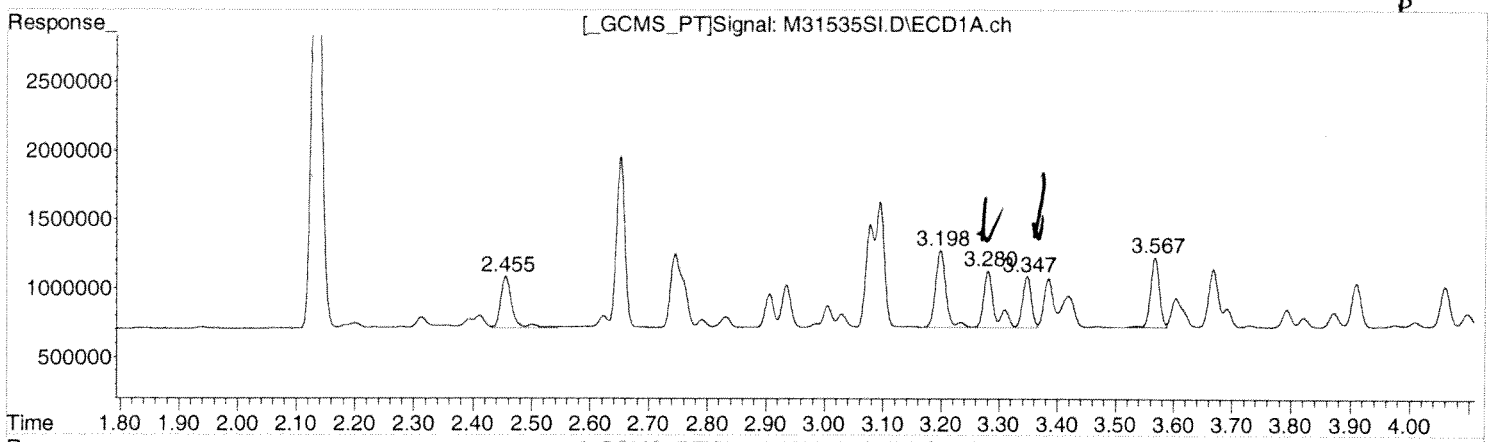
Quantitation Report (Qedit)

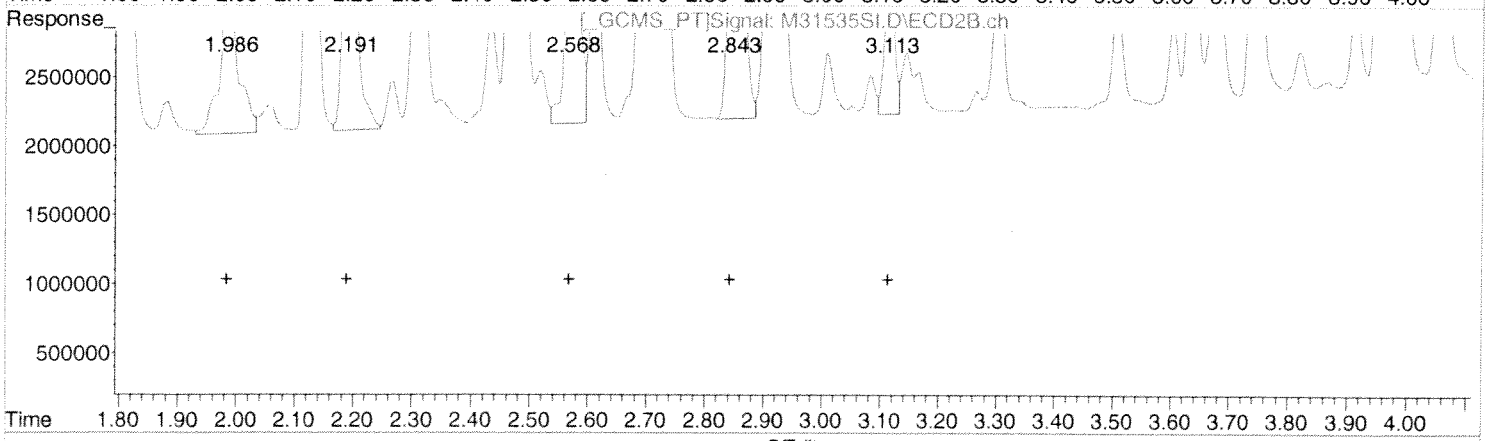
Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31535SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:50 pm
Operator : JK
Sample : P5540 16/60 0.1 UG/ML
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:39 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.12.10 ~~JCA~~





QEdit

(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.46	5043443	0.09
3.20	7003735	0.17
3.28	5508285	0.06
3.35	3868013	0.08
3.57	5478839	0.09

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	25048389	0.12
2.19	36770664	0.11
2.57	31687924	0.12
2.84	32213050	0.23
3.11	12965502	0.09

J 101210

(+) = Expected Retention Time

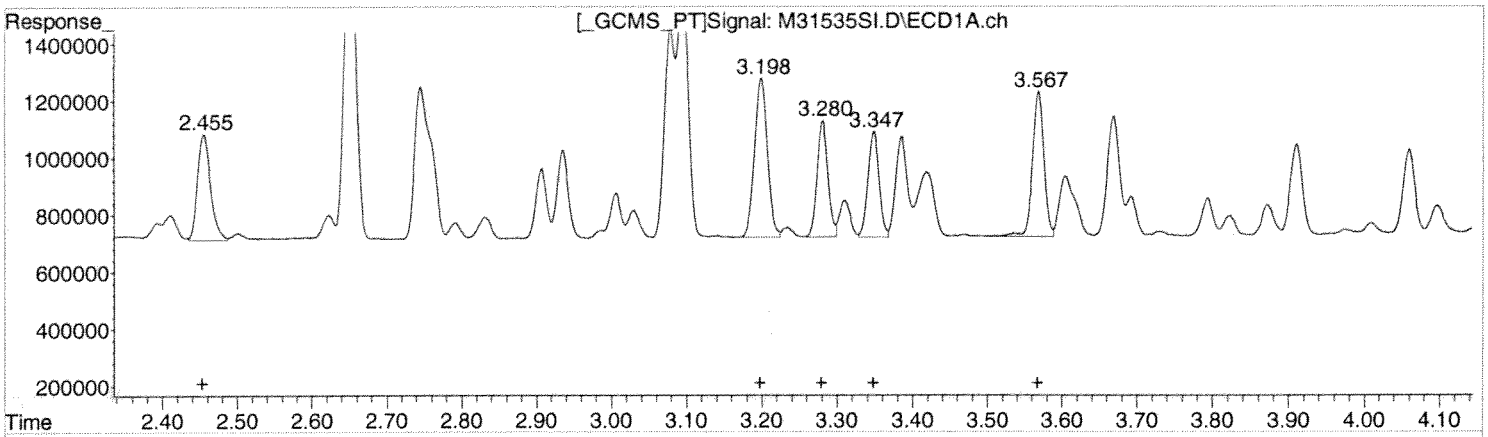
Quantitation Report (Qedit)

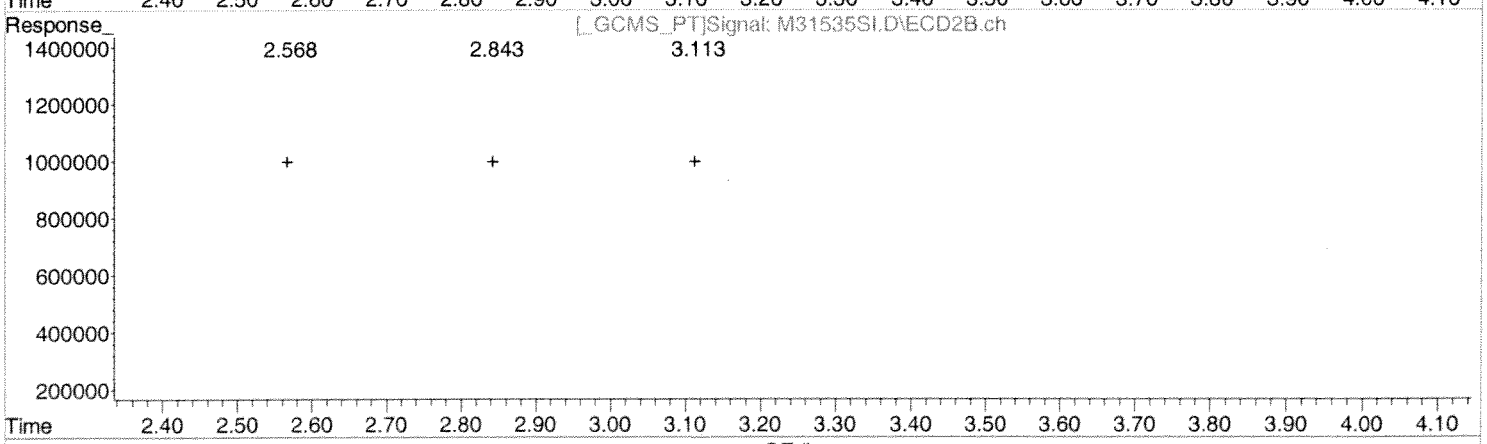
Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31535SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:50 pm
Operator : JK
Sample : P5540 16/60 0.1 UG/ML
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:23:54 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JR 10-01-10





QEdit

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.45	4442829	0.08
3.20	6618049	0.16
3.28	4211526	0.04
3.35	3868013	0.08
3.57	5478839	0.09

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	25048389	0.12
2.19	36770664	0.11
2.57	31687924	0.12
2.84	32213050	0.23
3.11	12965502	0.09

JL 101210

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31536SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:01 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:27:08 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.12.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
System Monitoring Compounds							
1) S TCX	2.133	1.799	87213254	429.9E6	34.866	52.601	#
Spiked Amount 100.000 Range 46 - 122 Recovery = 34.87%# 52.60%							
17) S DCB	6.369	5.643	55515833	347.1E6	28.140	48.734	#
Spiked Amount 100.000 Range 40 - 135 Recovery = 28.14%# 48.73%							
Target Compounds							
2) L1M Ar1016 A	2.454	1.985	9183756	53816200	0.168	0.267	#
3) L1M Ar1016 B	3.198	2.190	14519755	84888942	0.353m	0.256	#
4) L1M Ar1016 C	3.280	2.568	9277282	71461946	0.099	0.279	#
5) L1M Ar1016 D	3.347	2.843	8308988	75304806	0.166	0.529	#
6) L1M Ar1016 E	3.567	3.113	11872826	30818367	0.200	0.208	
Sum Ar1016 A			53162607	316.3E6	0.985	1.540	
Average Ar1016 A					0.197	0.308	
7) L2M Ar1260 A	4.613	3.742	21583653	109.0E6	0.170	0.268	#
8) L2M Ar1260 B	4.783	3.957	25064017	167.2E6	0.166	0.230	#
9) L2M Ar1260 C	4.914	4.180	24195062	178.1E6	0.207	0.287	#
10) L2M Ar1260 D	5.127	4.271	18743075	112.9E6	0.160	0.315	#
11) L2M Ar1260 E	5.332	4.472	20954075	103.9E6	0.327	0.435	#
Sum Ar1260 A			110.5E6	671.1E6	1.030	1.536	
Average Ar1260 A					0.206	0.307	
12) L3M Ar1254 A	3.909	3.113	7752156	30818367	0.103	0.118	
13) L3M Ar1254 B	4.059	3.301	6961583	38658234	0.045	0.144	#
14) L3M Ar1254 C	4.353	3.505	1183881	25819798	0.012	0.049	#
15) L3M Ar1254 D	4.613	3.819	21583653	10629399	0.234	0.028	#
16) L3M Ar1254 E	4.783	3.957	25064017	167.2E6	0.150	0.384	#
Sum Ar1254 A			62545290	273.1E6	0.544	0.723	
Average Ar1254 A					0.109	0.145	

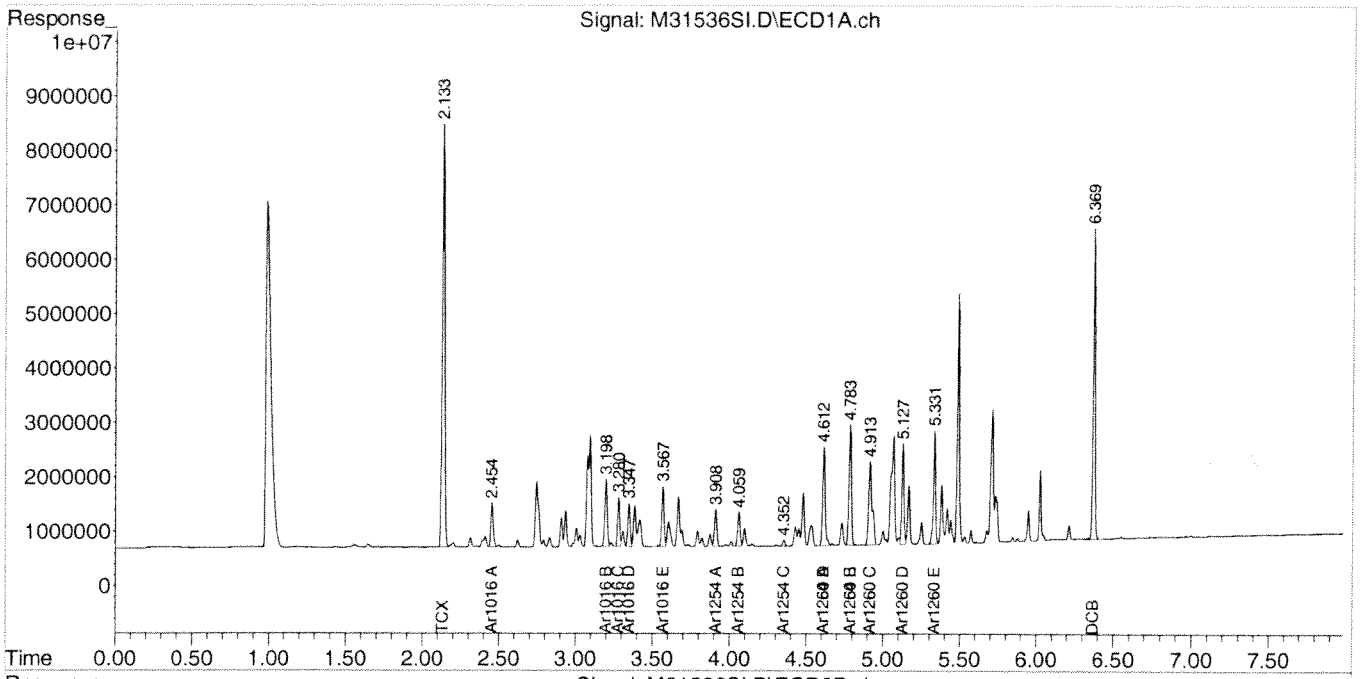
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

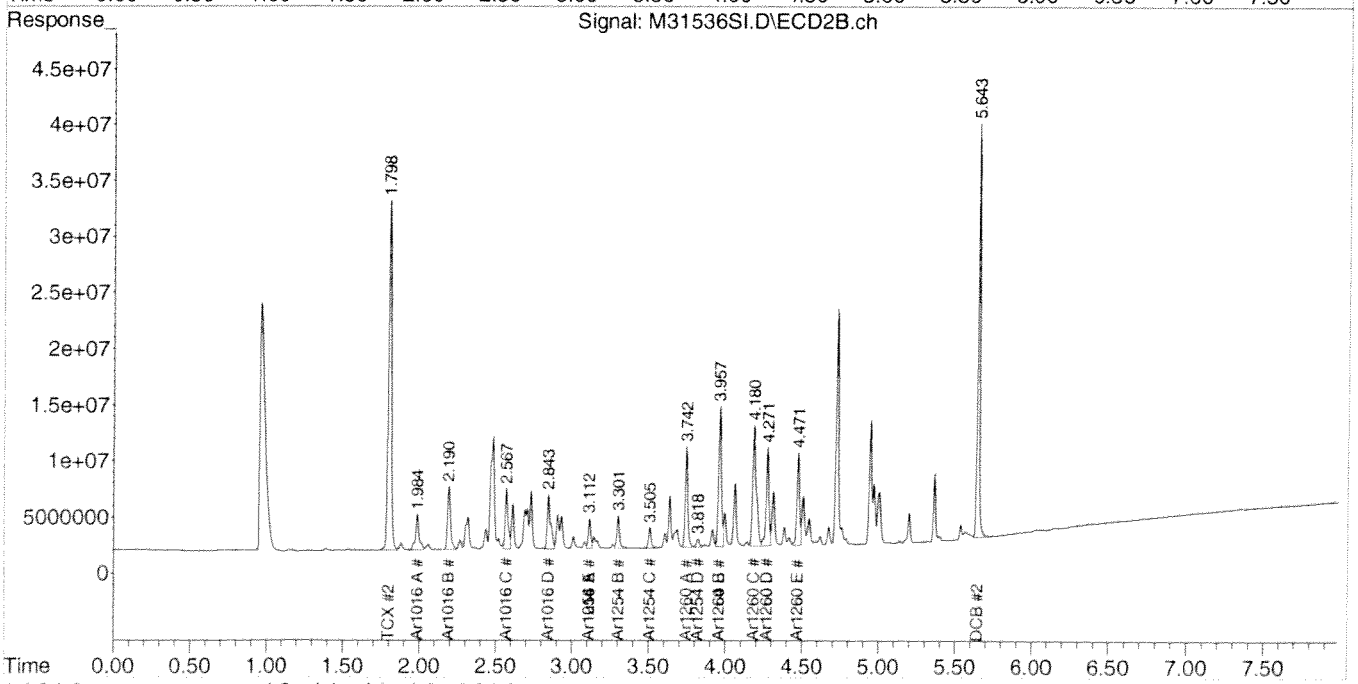
JL 101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31536SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:01 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:27:08 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





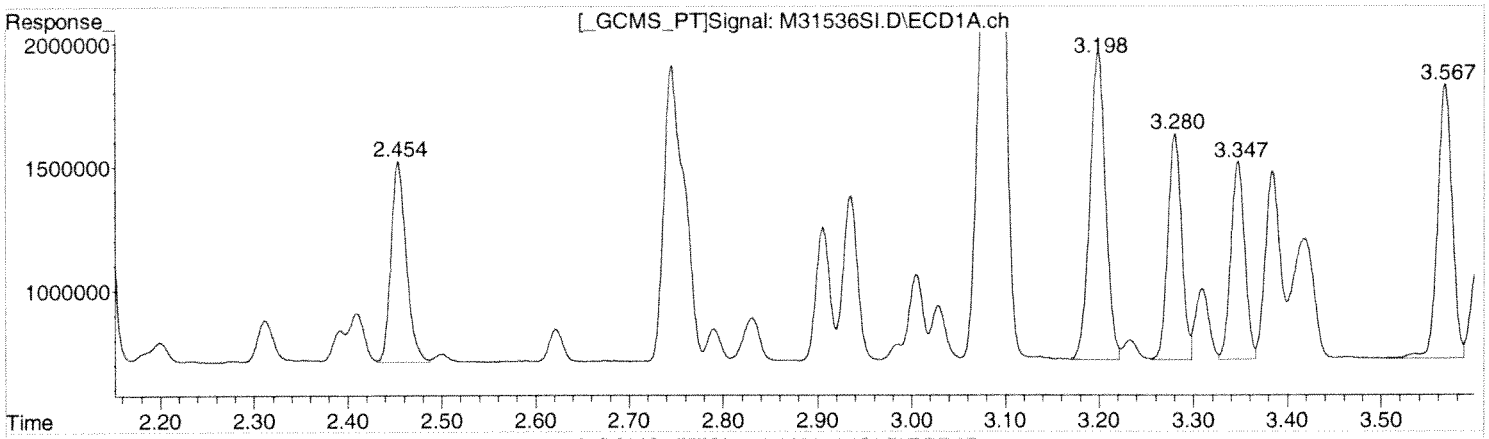
Quantitation Report (Qedit)

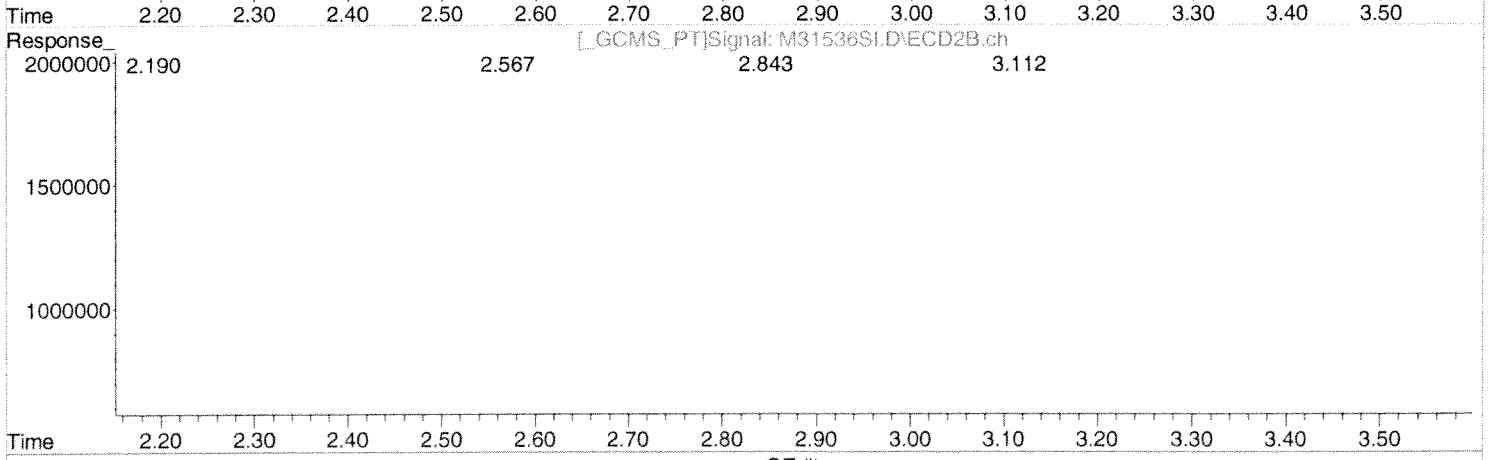
Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31536SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:01 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:41 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10·12·10 *EA INO Beto





QEdit

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.45	9183756	0.17
3.20	14519755	0.35
3.28	9277282	0.10
3.35	8308988	0.17
3.57	11872826	0.20

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.98	53816200	0.27
2.19	84888942	0.26
2.57	71461946	0.28
2.84	75304806	0.53
3.11	30818367	0.21

JK 10/12/10

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31537SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:11 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:43 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.12.10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.132	1.799	176.9E6	865.7E6	70.736	105.933 #
Spiked Amount	100.000 Range	46 - 122	Recovery	=	70.74%	105.93%
17) S DCB	6.370	5.643	108.7E6	705.1E6	55.085	98.994 #
Spiked Amount	100.000 Range	40 - 135	Recovery	=	55.09%	98.99%
Target Compounds						
2) L1M Ar1016 A	2.453	1.984	17120946	91651172	0.312	0.456 #
3) L1M Ar1016 B	3.198	2.189	27525066	164.2E6	0.669	0.496 #
4) L1M Ar1016 C	3.279	2.567	17637642	143.8E6	0.188	0.561 #
5) L1M Ar1016 D	3.347	2.843	15577601	146.1E6	0.312	1.026 #
6) L1M Ar1016 E	3.567	3.112	22306866	58853230	0.375	0.398
Sum Ar1016 A			100.2E6	604.6E6	1.856	2.936
Average Ar1016 A					0.371	0.587
7) L2M Ar1260 A	4.612	3.742	40986487	212.3E6	0.323	0.523 #
8) L2M Ar1260 B	4.783	3.957	47580650	329.7E6	0.316	0.453 #
9) L2M Ar1260 C	4.913	4.181	45926297	352.6E6	0.393	0.568 #
10) L2M Ar1260 D	5.127	4.271	35071144	223.3E6	0.299	0.623 #
11) L2M Ar1260 E	5.331	4.471	39829554	206.7E6	0.621	0.866 #
Sum Ar1260 A			209.4E6	1324.5E6	1.952	3.033
Average Ar1260 A					0.390	0.607
12) L3M Ar1254 A	3.909	3.112	14402909	58853230	0.192	0.226
13) L3M Ar1254 B	4.059	3.300	12832663	72137097	0.082	0.269 #
14) L3M Ar1254 C	4.352	3.505	2249991	45914378	0.023	0.087 #
15) L3M Ar1254 D	4.612	3.818	40986487	19436047	0.445	0.052 #
16) L3M Ar1254 E	4.783	3.957	47580650	329.7E6	0.285	0.757 #
Sum Ar1254 A			118.1E6	526.0E6	1.027	1.390
Average Ar1254 A					0.205	0.278

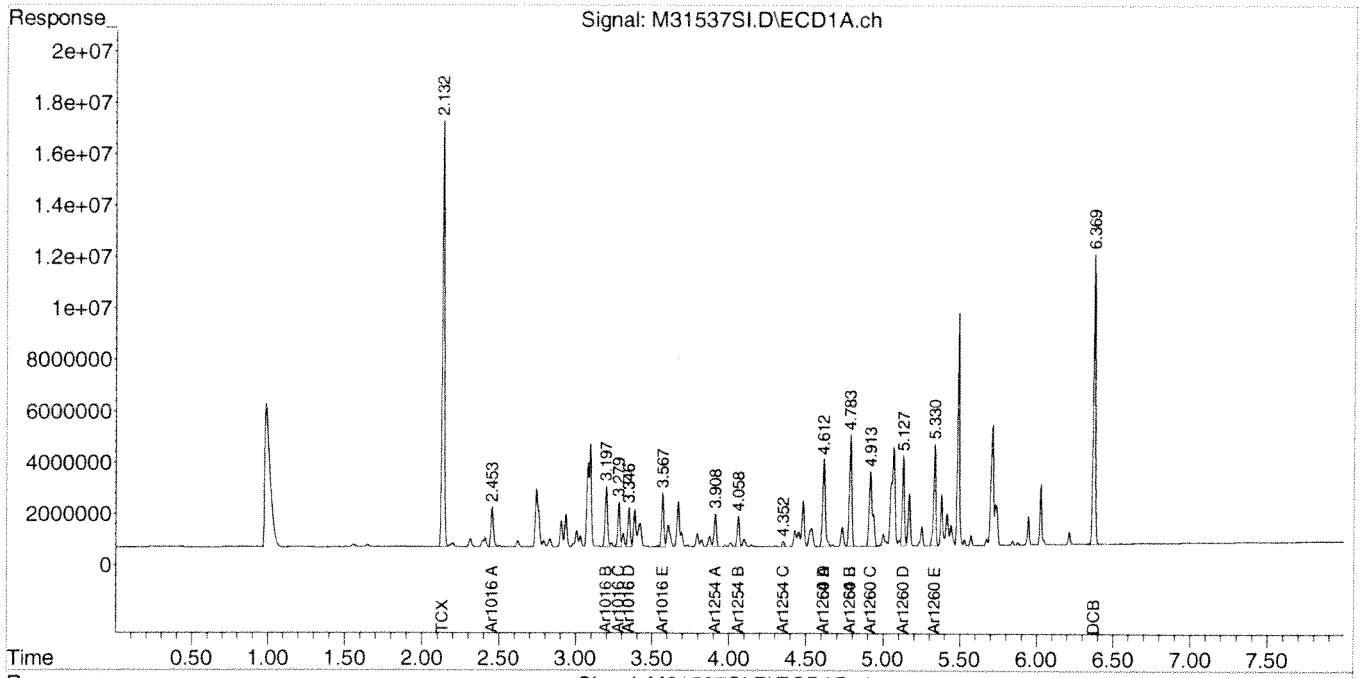
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

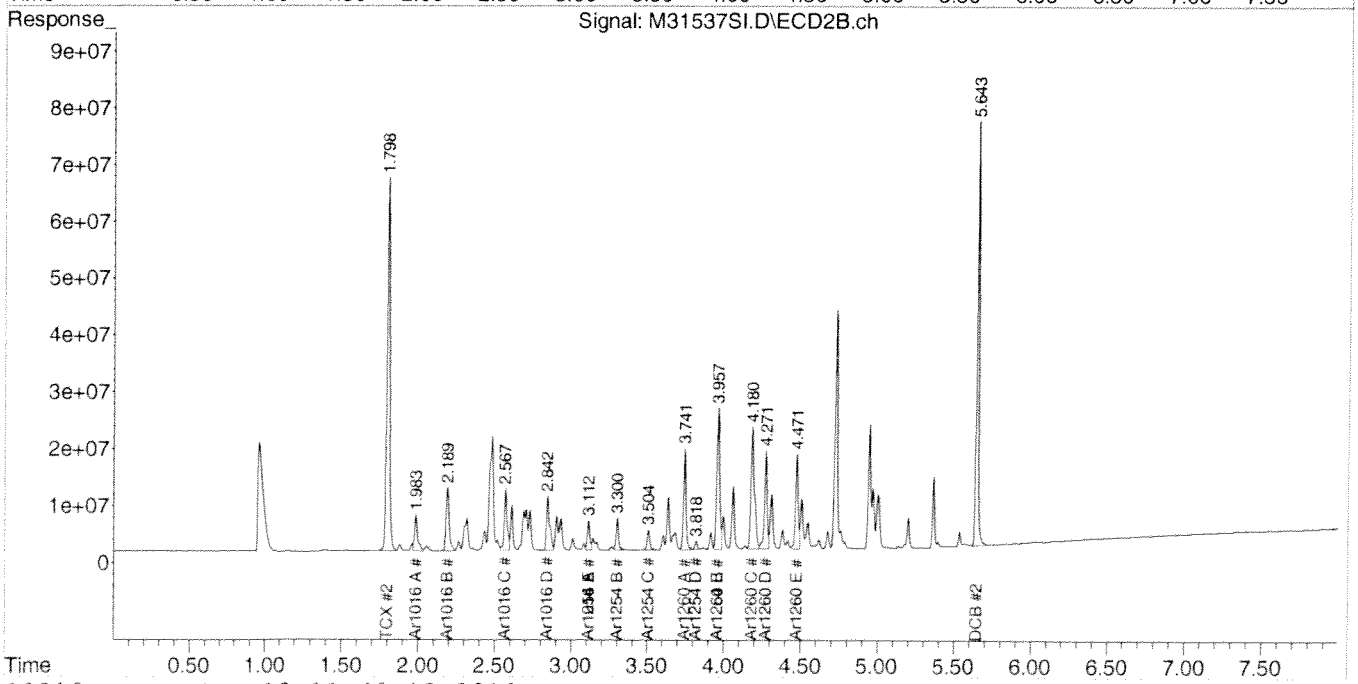
J101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31537SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:11 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:43 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31538SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:21 pm
Operator : JK
Sample : P5485 16/60 0.75 UG/ML
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:45 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10.12.10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
System Monitoring Compounds							
1) S TCX	2.134	1.801	264.5E6	1280.2E6	105.741	156.649	#
Spiked Amount 100.000	Range	46 - 122	Recovery	=	105.74%	156.65%#	
17) S DCB	6.370	5.644	160.9E6	1056.8E6	81.582	148.378	#
Spiked Amount 100.000	Range	40 - 135	Recovery	=	81.58%	148.38%#	
Target Compounds							
2) L1M Ar1016 A	2.455	1.986	24302878	149.1E6	0.444	0.741	#
3) L1M Ar1016 B	3.199	2.191	39702314	239.4E6	0.964	0.723	#
4) L1M Ar1016 C	3.281	2.568	25368481	209.2E6	0.271	0.816	#
5) L1M Ar1016 D	3.348	2.844	22143069	213.7E6	0.443	1.501	#
6) L1M Ar1016 E	3.568	3.113	31982007	86155187	0.537	0.582	
Sum Ar1016 A			143.5E6	897.5E6	2.659	4.364	
Average Ar1016 A					0.532	0.873	
7) L2M Ar1260 A	4.613	3.742	58885278	312.0E6	0.464	0.768	#
8) L2M Ar1260 B	4.783	3.957	68762176	485.3E6	0.457	0.667	#
9) L2M Ar1260 C	4.914	4.180	65984299	520.2E6	0.565	0.838	#
10) L2M Ar1260 D	5.127	4.271	53425974	329.9E6	0.455	0.921	#
11) L2M Ar1260 E	5.332	4.471	57668314	308.8E6	0.900	1.294	#
Sum Ar1260 A			304.7E6	1956.2E6	2.840	4.488	
Average Ar1260 A					0.568	0.898	
12) L3M Ar1254 A	3.910	3.113	20636656	86155187	0.275	0.330	
13) L3M Ar1254 B	4.059	3.301	18286547	104.9E6	0.117	0.392	#
14) L3M Ar1254 C	4.352	3.505	3154856	66761984	0.033	0.126	#
15) L3M Ar1254 D	4.613	3.819	58885278	28497779	0.639	0.076	#
16) L3M Ar1254 E	4.783	3.957	68762176	485.3E6	0.411	1.114	#
Sum Ar1254 A			169.7E6	771.6E6	1.475	2.038	
Average Ar1254 A					0.295	0.408	

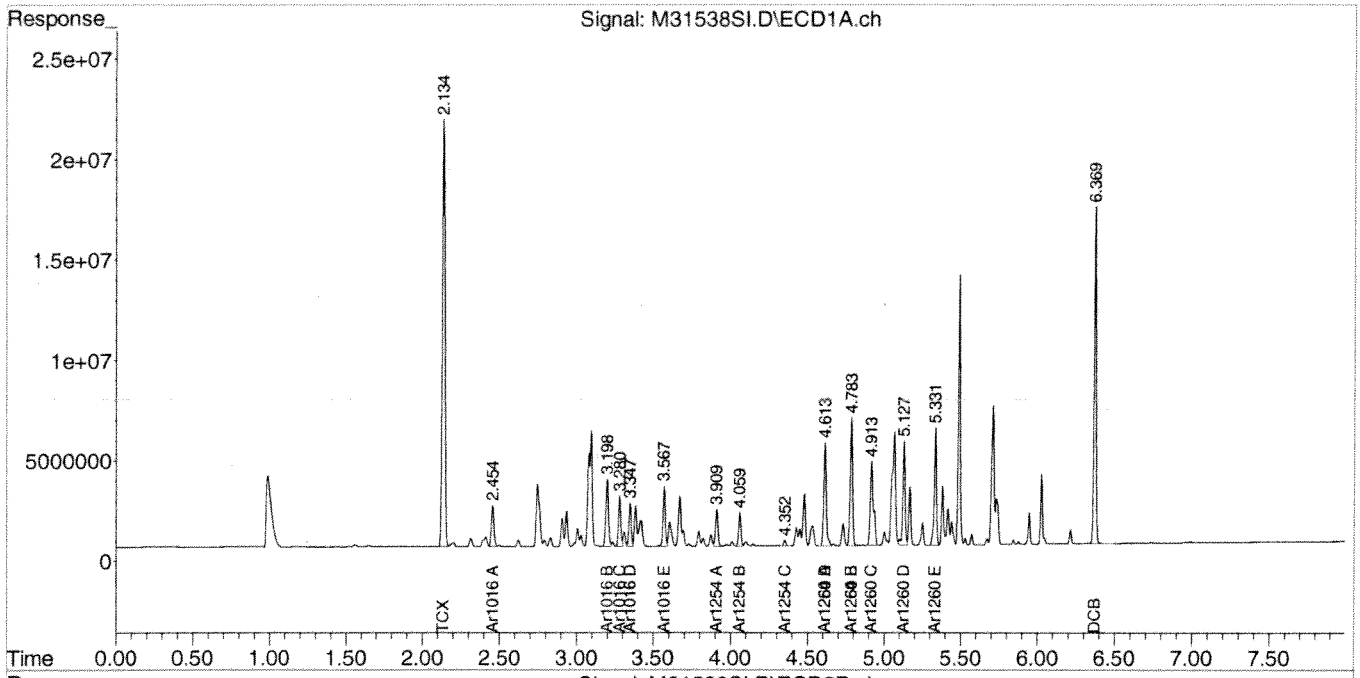
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

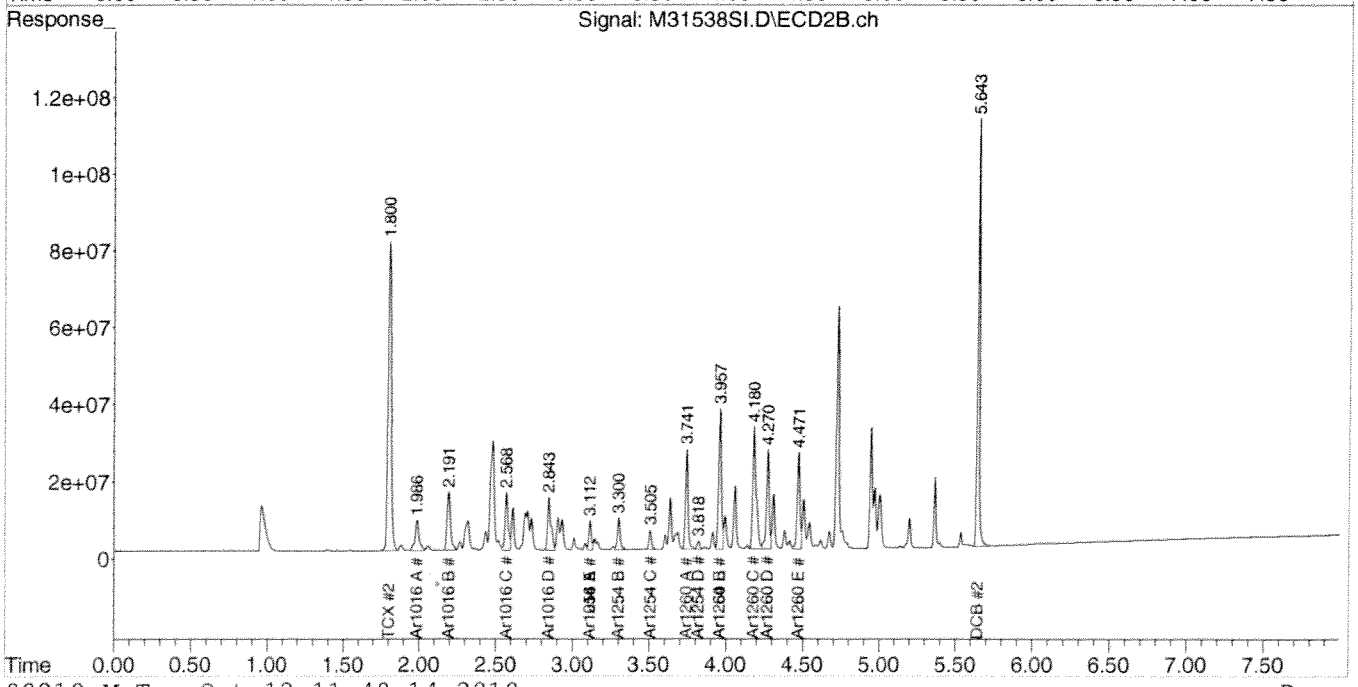
JI01210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31538SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:21 pm
Operator : JK
Sample : P5485 16/60 0.75 UG/ML
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:45 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31539SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:31 pm
Operator : JK
Sample : P5545 16/60 1.0 UG/ML
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:49:54 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JR 10-12-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
System Monitoring Compounds							
1) S TCX	2.133	1.799	355.7E6	1697.1E6	194.305	195.253	
Spiked Amount 100.000	Range	46 - 122	Recovery	=	194.31%#	195.25%#	
17) S DCB	6.370	5.643	212.7E6	1411.0E6	180.659	196.324	
Spiked Amount 100.000	Range	40 - 135	Recovery	=	180.66%#	196.32%#	
Target Compounds							
2) L1M Ar1016 A	2.454	1.984	31291306	174.0E6	1.015	0.995	
3) L1M Ar1016 B	3.198	2.189	51782878	314.5E6	1.004	1.013	
4) L1M Ar1016 C	3.280	2.567	33162504	278.0E6	1.003	1.008	
5) L1M Ar1016 D	3.347	2.843	28691651	282.8E6	1.013	0.996	
6) L1M Ar1016 E	3.567	3.112	41780127	113.1E6	1.004	1.001	
Sum Ar1016 A			186.7E6	1162.3E6	5.039	5.013	
Average Ar1016 A					1.008	1.003	
7) L2M Ar1260 A	4.613	3.742	77385003	414.5E6	0.999	0.999	
8) L2M Ar1260 B	4.783	3.957	90699258	646.6E6	0.995	1.001	
9) L2M Ar1260 C	4.913	4.180	86487097	694.5E6	0.999	0.998	
10) L2M Ar1260 D	5.127	4.271	67004709	440.2E6	0.994	0.998	
11) L2M Ar1260 E	5.331	4.471	76037636	411.8E6	0.995	1.000	
Sum Ar1260 A			397.6E6	2607.5E6	4.982	4.995	
Average Ar1260 A					0.996	0.999	
12) L3M Ar1254 A	3.909	3.112	26665867	113.1E6	0.400	0.417	
13) L3M Ar1254 B	4.059	3.300	23632586	138.2E6	0.320	0.266	
14) L3M Ar1254 C	4.352	3.505	4065520	87298532	0.068	0.280	#
15) L3M Ar1254 D	4.613	3.818	77385003	37545250	0.855	0.078	#
16) L3M Ar1254 E	4.783	3.957	90699258	646.6E6	1.696	1.514	
Sum Ar1254 A			222.4E6	1022.7E6	3.338	2.554	
Average Ar1254 A					0.668	0.511	

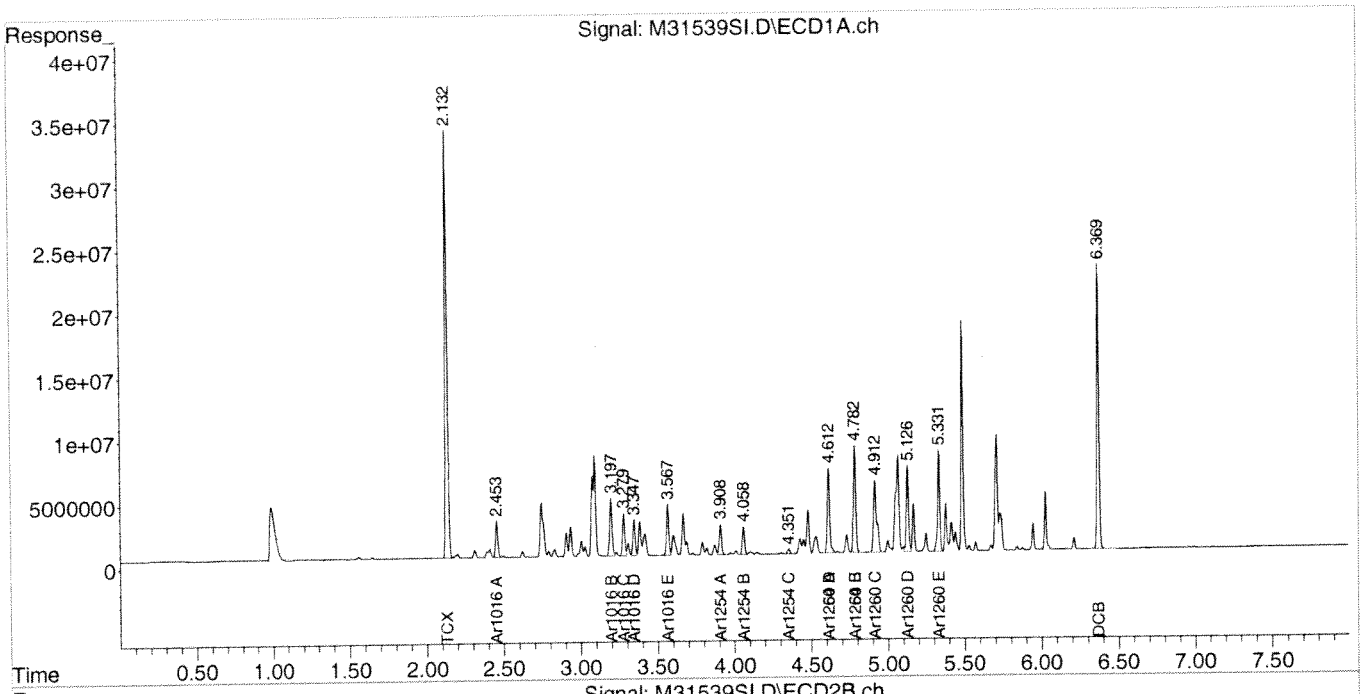
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

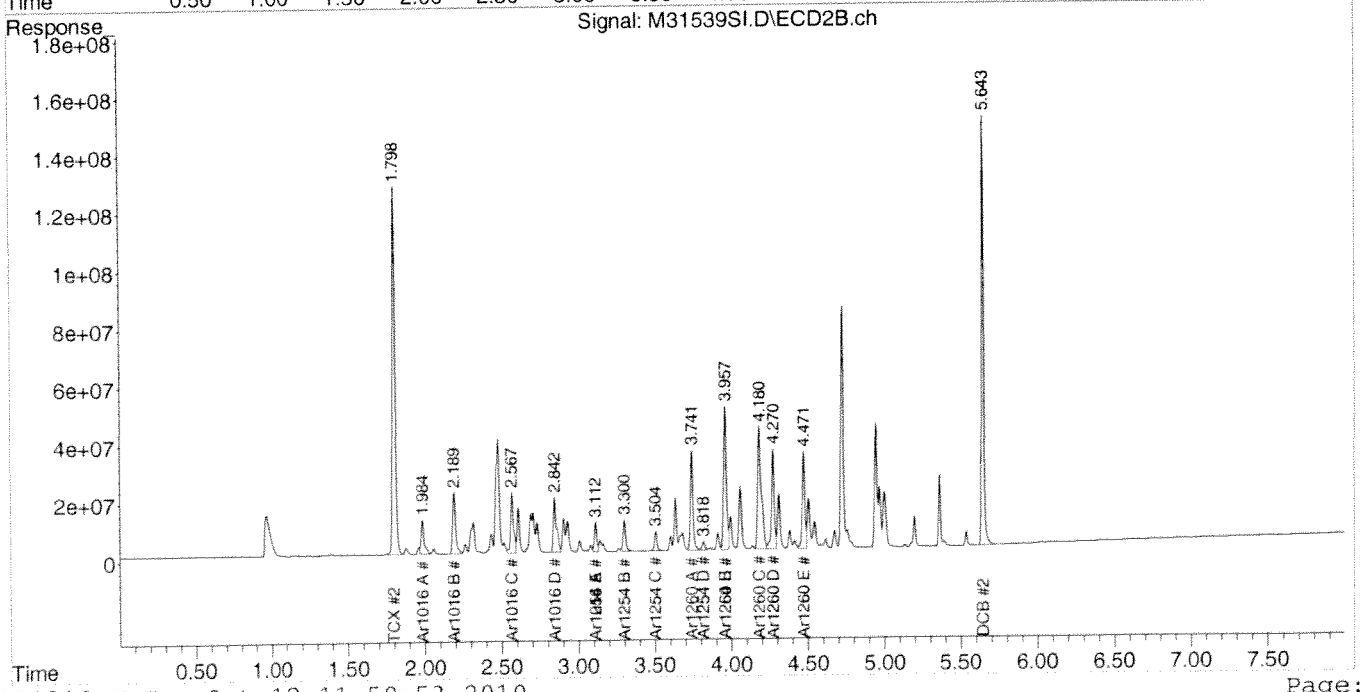
JI01210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31539SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:31 pm
Operator : JK
Sample : P5545 16/60 1.0 UG/ML
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:49:54 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31540SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:42 pm
Operator : JK
Sample : P5546 16/60 2.0 UG/ML
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:49 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.12.10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
System Monitoring Compounds							
1) S TCX	2.133	1.800	724.8E6	3311.8E6	289.776	405.239	#
Spiked Amount 100.000 Range 46 - 122 Recovery = 289.78%# 405.24%#							
17) S DCB	6.369	5.644	430.6E6	2816.1E6	218.261	395.396	#
Spiked Amount 100.000 Range 40 - 135 Recovery = 218.26%# 395.40%#							
Target Compounds							
2) L1M Ar1016 A	2.454	1.985	59433834	335.6E6	1.085	1.668	#
3) L1M Ar1016 B	3.198	2.190	101.0E6	608.4E6	2.452	1.838	#
4) L1M Ar1016 C	3.279	2.567	64783187	545.4E6	0.692	2.127	#
5) L1M Ar1016 D	3.347	2.843	54820591	559.5E6	1.098	3.930	#
6) L1M Ar1016 E	3.567	3.112	81324901	222.9E6	1.367	1.507	
Sum Ar1016 A			361.3E6	2271.8E6	6.693	11.070	
Average Ar1016 A					1.339	2.214	
7) L2M Ar1260 A	4.612	3.741	152.1E6	824.0E6	1.200	2.029	#
8) L2M Ar1260 B	4.782	3.957	179.9E6	1283.8E6	1.195	1.765	#
9) L2M Ar1260 C	4.913	4.180	170.0E6	1386.5E6	1.455	2.232	#
10) L2M Ar1260 D	5.127	4.270	131.9E6	879.8E6	1.123	2.457	#
11) L2M Ar1260 E	5.331	4.471	151.1E6	822.5E6	2.356	3.446	#
Sum Ar1260 A			785.0E6	5196.6E6	7.329	11.928	
Average Ar1260 A					1.466	2.386	
12) L3M Ar1254 A	3.909	3.112	51129597	222.9E6	0.682	0.854	#
13) L3M Ar1254 B	4.058	3.300	44811203	272.2E6	0.287	1.016	#
14) L3M Ar1254 C	4.352	3.505	7538252	170.6E6	0.079	0.323	#
15) L3M Ar1254 D	4.612	3.818	152.1E6	72665869	1.651	0.193	#
16) L3M Ar1254 E	4.782	3.957	179.9E6	1283.8E6	1.076	2.947	#
Sum Ar1254 A			435.6E6	2022.2E6	3.775	5.334	
Average Ar1254 A					0.755	1.067	

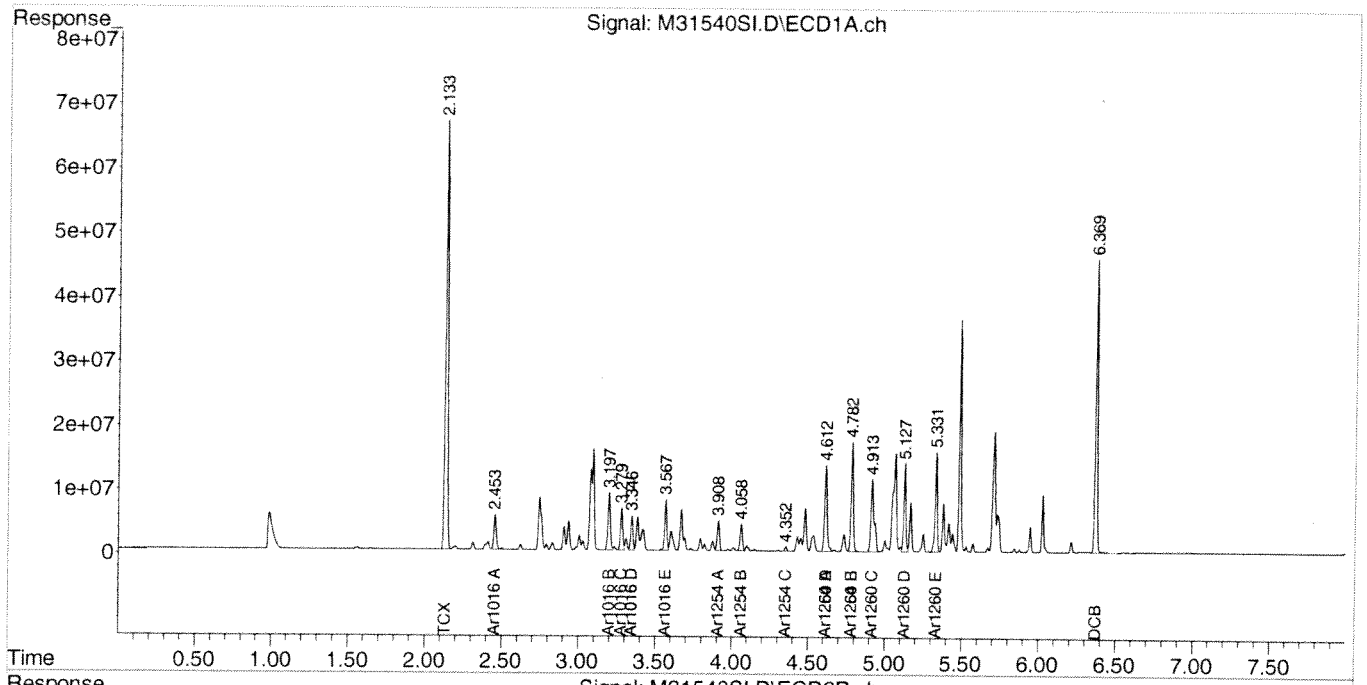
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

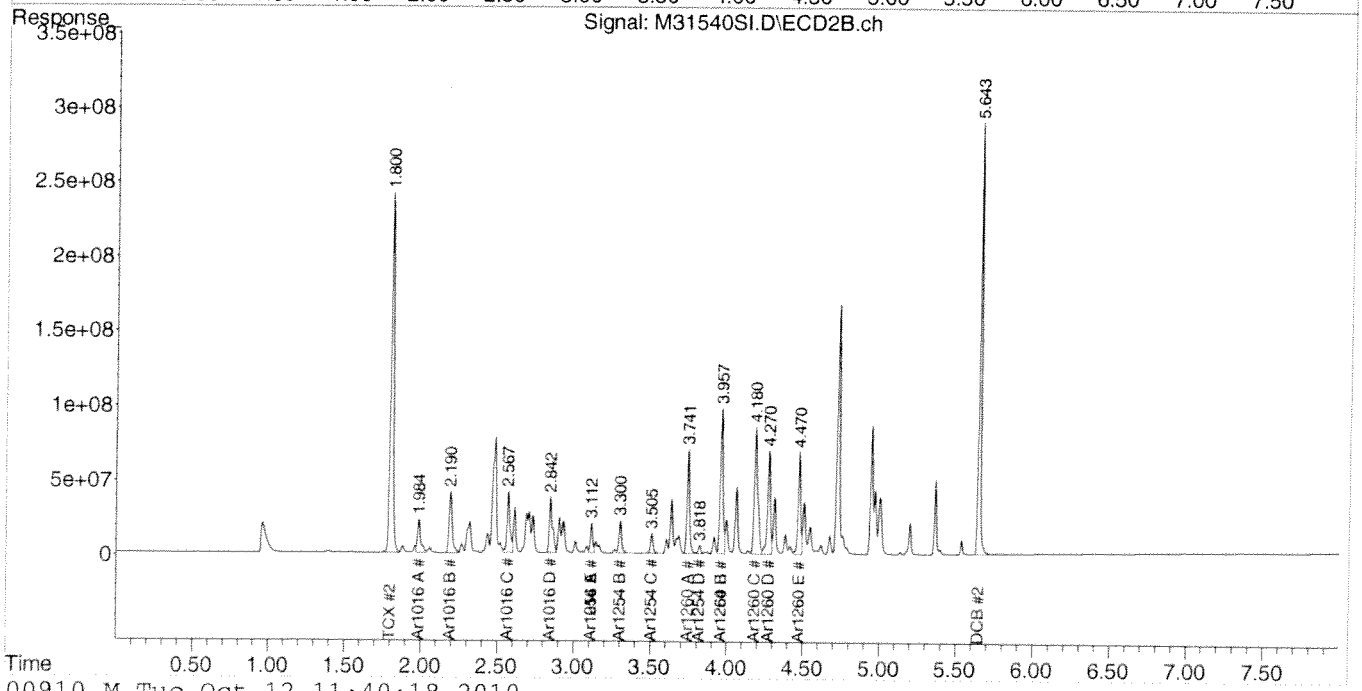
2101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31540SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:42 pm
Operator : JK
Sample : P5546 16/60 2.0 UG/ML
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:49 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB1660/1260

INITIAL CALIBRATION VERIFICATION

METHOD: C:\msdchem\1\METHODS\PCB100910.M

Data File Name M31541CC.D
Date Acquired 10/9/2010 13:52
Sample Name P5549 16/60 ICV 0.5 UG/ML

JL 10.12.10

Name	Amount	Recovery	80%-120% Recovery Pass	Name	Amount	Recovery	80%-120% Recovery Pass
TCX	91.66	92%	OK	TCX #2	95.20	95%	OK
Ar1016 A	0.50	99%	OK	Ar1016 A #2	0.48	95%	OK
Ar1016 B	0.52	105%	OK	Ar1016 B #2	0.49	99%	OK
Ar1016 C	0.50	100%	OK	Ar1016 C #2	0.48	96%	OK
Ar1016 D	0.51	102%	OK	Ar1016 D #2	0.49	98%	OK
Ar1016 E	0.50	100%	OK	Ar1016 E #2	0.60	120%	OK
	AVG	100%	OK		AVG	101%	OK
Ar1260 A	0.52	103%	OK	Ar1260 A #2	0.51	101%	OK
Ar1260 B	0.50	100%	OK	Ar1260 B #2	0.51	101%	OK
Ar1260 C	0.51	102%	OK	Ar1260 C #2	0.51	102%	OK
Ar1260 D	0.52	104%	OK	Ar1260 D #2	0.49	99%	OK
Ar1260 E	0.50	99%	OK	Ar1260 E #2	0.49	97%	OK
	AVG	102%	OK		AVG	100%	OK
DCB	93.23	93%	OK	DCB #2	101.40	101%	OK

101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31541CC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:52 pm
Operator : JK
Sample : P5549 16/60 ICV 0.5 UG/ML
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:36:36 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-12-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.132	1.799	167.8E6	827.5E6	91.664	95.203
Spiked Amount	100.000	Range	46 - 122	Recovery	= 91.66%	95.20%
17) S DCB	6.370	5.643	109.8E6	728.8E6	93.234	101.405
Spiked Amount	100.000	Range	40 - 135	Recovery	= 93.23%	101.41%
Target Compounds						
2) L1M Ar1016 A	2.454	1.984	16103130	87610744	0.496	0.477
3) L1M Ar1016 B	3.198	2.189	27845806	157.2E6	0.525	0.494
4) L1M Ar1016 C	3.279	2.567	17027902	134.3E6	0.500	0.479
5) L1M Ar1016 D	3.347	2.843	15035957	141.4E6	0.510	0.490
6) L1M Ar1016 E	3.567	3.112	21431994	68836237	0.498	0.601
Sum Ar1016 A			97444789	589.3E6	2.529	2.541
Average Ar1016 A					0.506	0.508
7) L2M Ar1260 A	4.612	3.741	41143319	212.3E6	0.516	0.505
8) L2M Ar1260 B	4.783	3.957	46738588	330.7E6	0.500	0.506
9) L2M Ar1260 C	4.913	4.180	45722032	359.1E6	0.512	0.511
10) L2M Ar1260 D	5.127	4.270	36028751	219.7E6	0.520	0.494
11) L2M Ar1260 E	5.331	4.471	38785528	201.2E6	0.496	0.486
Sum Ar1260 A			208.4E6	1323.0E6	2.544	2.502
Average Ar1260 A					0.509	0.500
12) L3M Ar1254 A	3.909	3.112	18407483	68836237	0.276	0.254
13) L3M Ar1254 B	4.059	3.300	14199566	86773809	0.192	0.167
14) L3M Ar1254 C	4.352	3.505	2961000	49317536	0.049	0.158 #
15) L3M Ar1254 D	4.612	3.818	41143319	24716405	0.455	0.051 #
16) L3M Ar1254 E	4.783	3.957	46738588	330.7E6	0.874	0.774
Sum Ar1254 A			123.4E6	560.4E6	1.846	1.404
Average Ar1254 A					0.369	0.281

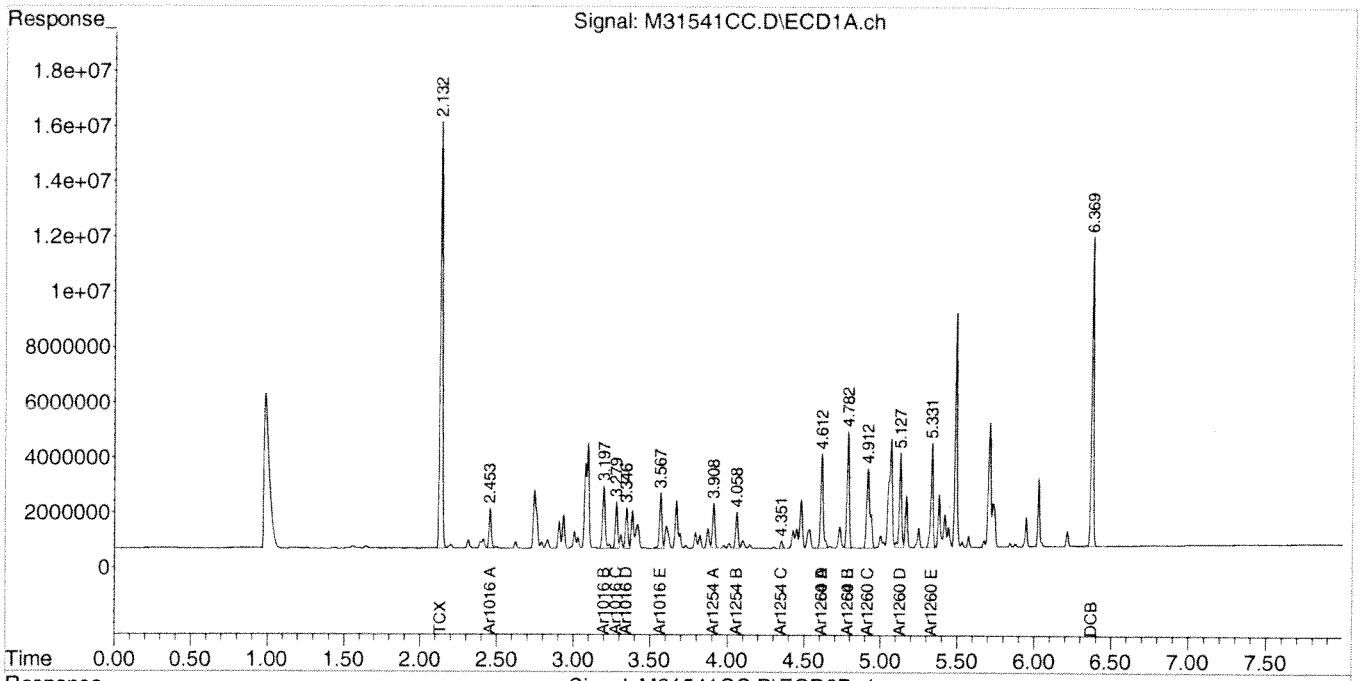
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

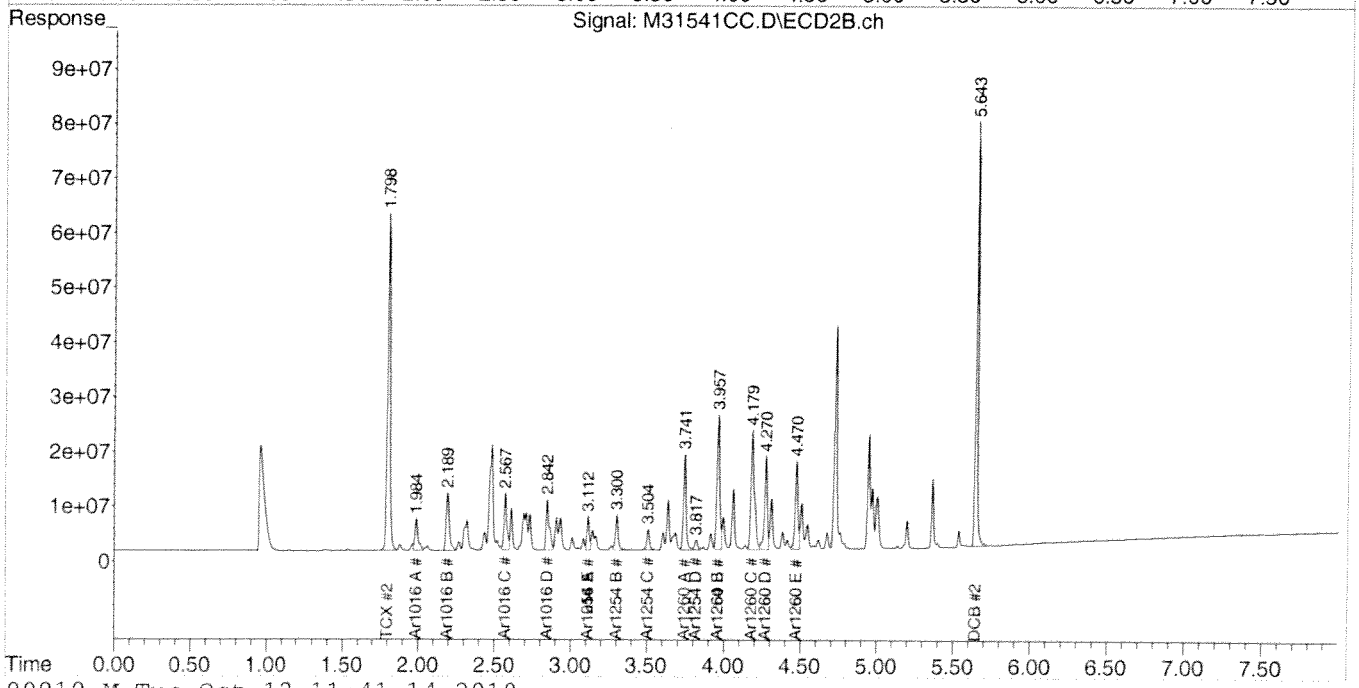
JL 101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31541CC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:52 pm
Operator : JK
Sample : P5549 16/60 ICV 0.5 UG/ML
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:36:36 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31542SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:02 pm
Operator : JK
Sample : P5489 AR 1254 0.0625 UG/ML
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:51 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10-12-10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.135	1.802	23177450	110.4E6	9.266	13.510 #
Spiked Amount	100.000	Range	46 - 122	Recovery =	9.27%#	13.51%#
17) S DCB	6.370	5.643	17226546	99124123	8.732	13.917 #
Spiked Amount	100.000	Range	40 - 135	Recovery =	8.73%#	13.92%#
Target Compounds						
2) L1M Ar1016 A	2.457	1.961	72815	93387	0.001	0.000 #
3) L1M Ar1016 B	3.193	2.193	181040	347621	0.004	0.001 #
4) L1M Ar1016 C	3.286	2.571	92414	230774	0.001	0.001
5) L1M Ar1016 D	3.348	2.844	2751134	7973243	0.055	0.056
6) L1M Ar1016 E	3.568	3.113	1781976	18577506	0.030	0.126 #
Sum Ar1016 A			4879377	27222531	0.092	0.184
Average Ar1016 A					0.018	0.037
7) L2M Ar1260 A	4.612	3.742	4317863	14298709	0.034	0.035
8) L2M Ar1260 B	4.783	3.959	4336303	29834961	0.029	0.041 #
9) L2M Ar1260 C	4.928	4.181	7649137	42392646	0.065	0.068
10) L2M Ar1260 D	5.140	4.269	1220012	2131747	0.010	0.006 #
11) L2M Ar1260 E	5.315	4.471	2640429	2472351	0.041	0.010 #
Sum Ar1260 A			20163744	91130413	0.180	0.161
Average Ar1260 A					0.036	0.032
12) L3M Ar1254 A	3.909	3.113	4974230	18577506	0.066	0.071
13) L3M Ar1254 B	4.059	3.301	5534768	35301786	0.035	0.132 #
14) L3M Ar1254 C	4.352	3.510	4390875	20838543	0.046	0.039
15) L3M Ar1254 D	4.638	3.816	6523999	32464110	0.071	0.086
16) L3M Ar1254 E	4.783	3.959	4336303	29834961	0.026	0.068 #
Sum Ar1254 A			25760175	137.0E6	0.244	0.397
Average Ar1254 A					0.049	0.079

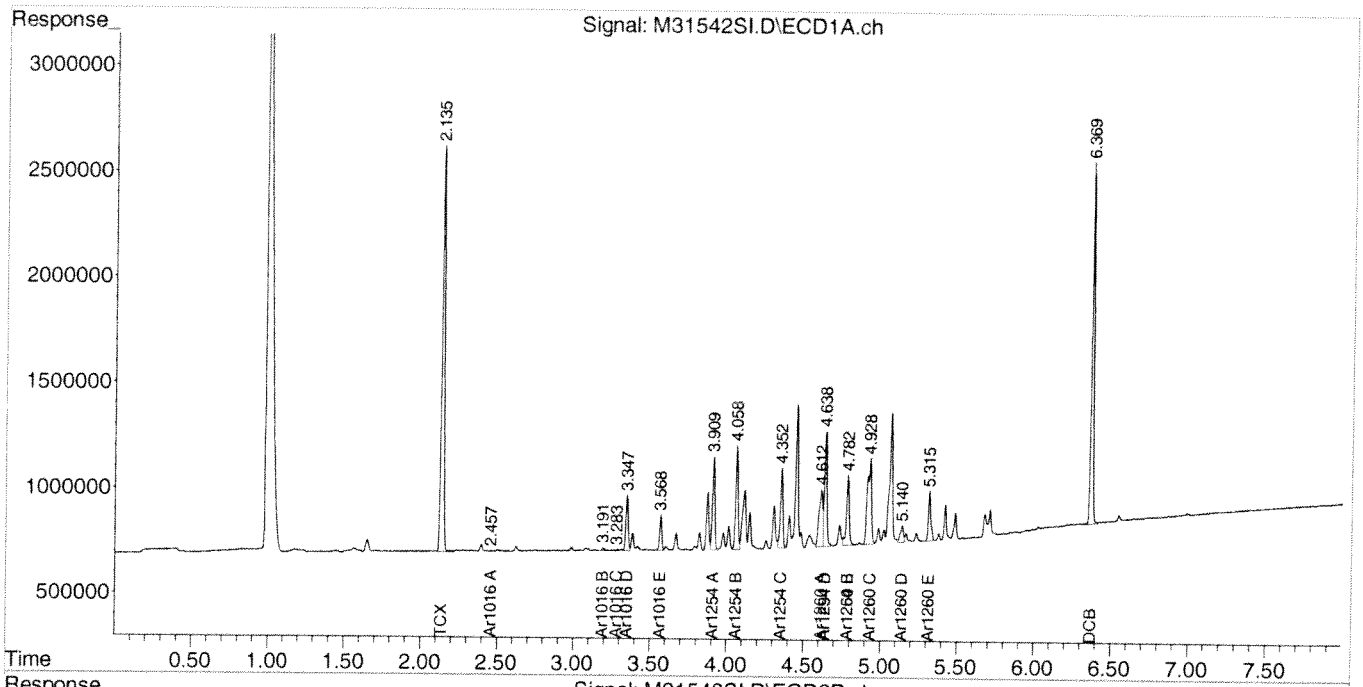
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

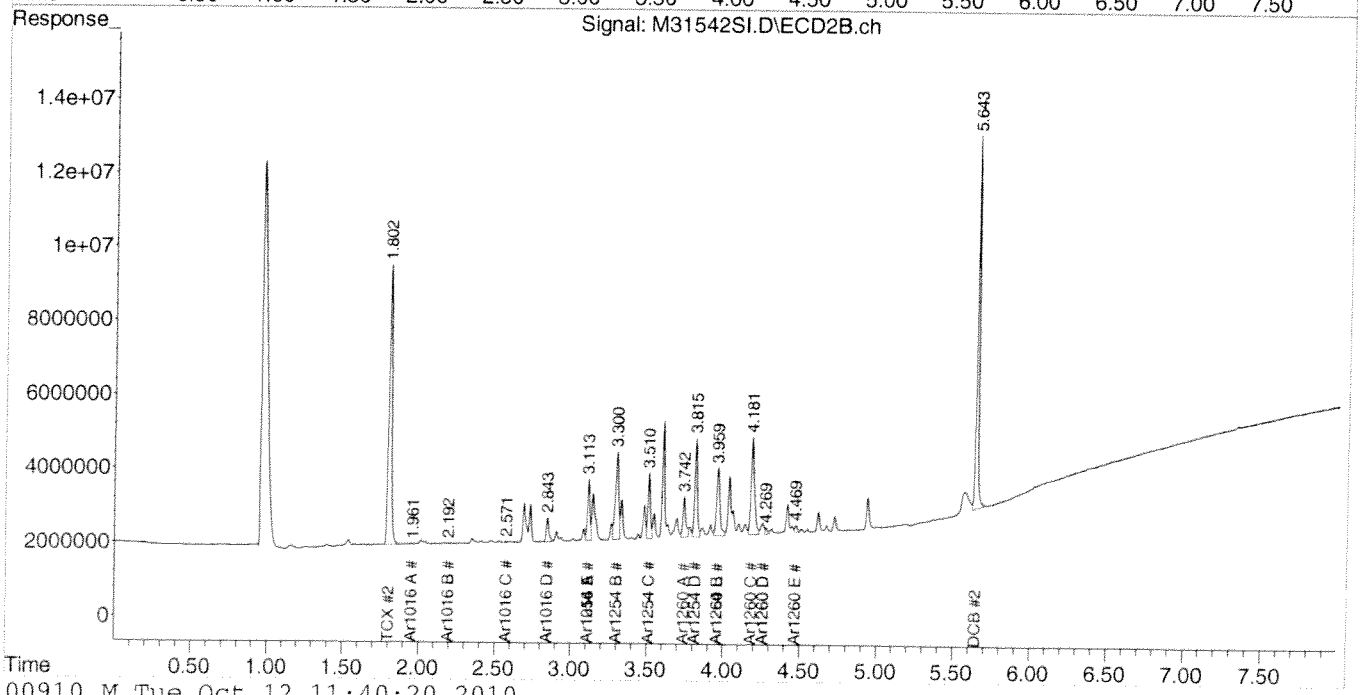
J101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31542SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:02 pm
Operator : JK
Sample : P5489 AR 1254 0.0625 UG/ML
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:51 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5489 AR 1254 0.0625 UG/
Column ID:	0.25 mm	Data File ID:	M31542SI.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

Jh
10-12-10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.075	120		0.068	109	

Lower Limit	Upper Limit
70	130

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: Reported against curve 7/01/10

PCB FORM 7

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31542SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:02 pm
Operator : JK
Sample : P5489 AR 1254 0.0625 UG/ML
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:44:49 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.12.11

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.135	1.802	23177450	110.4E6	12.661	12.703
Spiked Amount 100.000	Range	46 - 122	Recovery	=	12.66%#	12.70%#
17) S DCB	6.370	5.643	17226546	99124123	14.634	13.792
Spiked Amount 100.000	Range	40 - 135	Recovery	=	14.63%#	13.79%#
Target Compounds						
2) L1M Ar1016 A	2.457	1.961	72815	93387	N.D.	N.D.
3) L1M Ar1016 B	3.193	2.193	181040	347621	N.D.	N.D.
4) L1M Ar1016 C	3.286	2.571	92414	230774	N.D.	N.D.
5) L1M Ar1016 D	3.348	2.844	2751134	7973243	0.056	0.013 #
6) L1M Ar1016 E	3.568	3.113	1781976	18577506	0.010	0.147 #
Sum Ar1016 A			4533110	26550749	N.D.	0.074
Average Ar1016 A					0.021	0.037
7) L2M Ar1260 A	4.612	3.742	4317863	14298709	0.026	0.021
8) L2M Ar1260 B	4.783	3.959	4336303	29834961	0.022	0.035 #
9) L2M Ar1260 C	4.928	4.181	7649137	42392646	0.058	0.051
10) L2M Ar1260 D	5.140	4.269	1220012	2131747	N.D.	N.D.
11) L2M Ar1260 E	5.315	4.471	2640429	2472351	0.012	0.002 #
Sum Ar1260 A			18943732	88998666	0.105	0.106
Average Ar1260 A					0.026	0.026
12) L3M Ar1254 A	3.909	3.113	4974230	18577506	0.075	0.069
13) L3M Ar1254 B	4.059	3.301	5534768	35301786	0.075	0.068
14) L3M Ar1254 C	4.352	3.510	4390875	20838543	0.073	0.067
15) L3M Ar1254 D	4.638	3.816	6523999	32464110	0.072	0.067
16) L3M Ar1254 E	4.783	3.959	4336303	29834961	0.081	0.070
Sum Ar1254 A			25760175	137.0E6	0.376	0.340
Average Ar1254 A					0.075	0.068

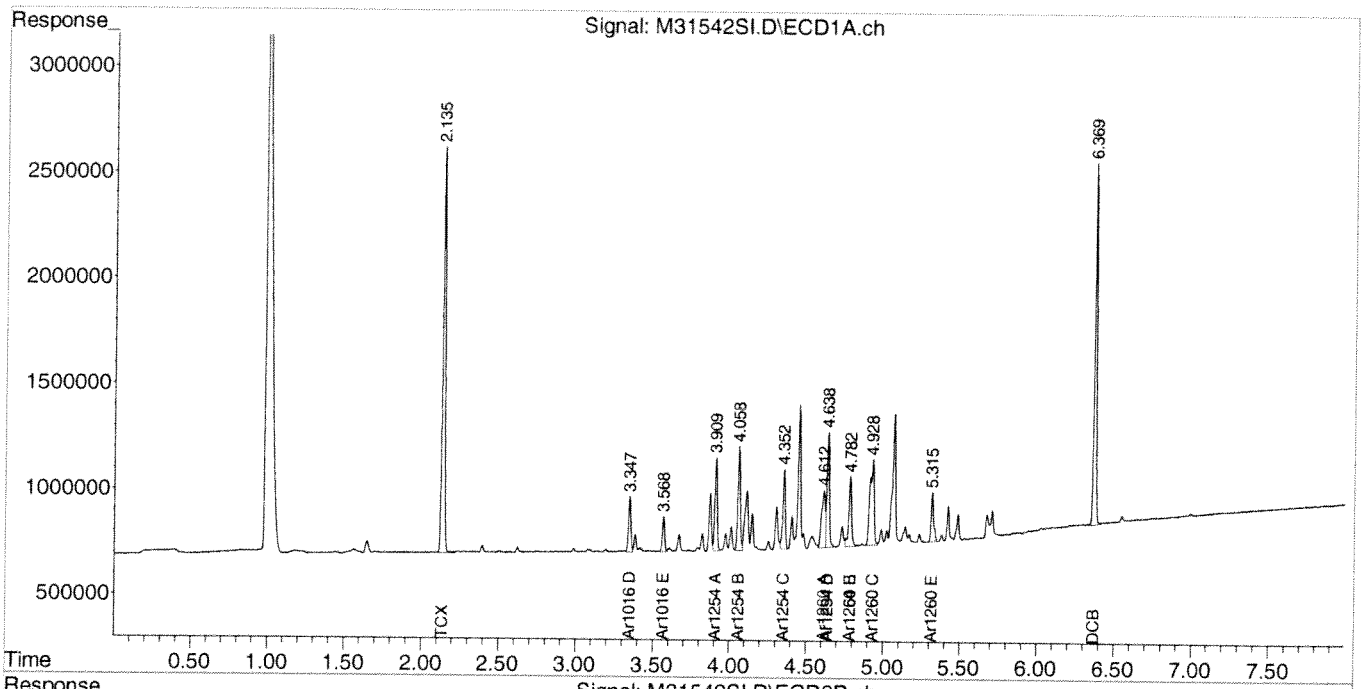
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

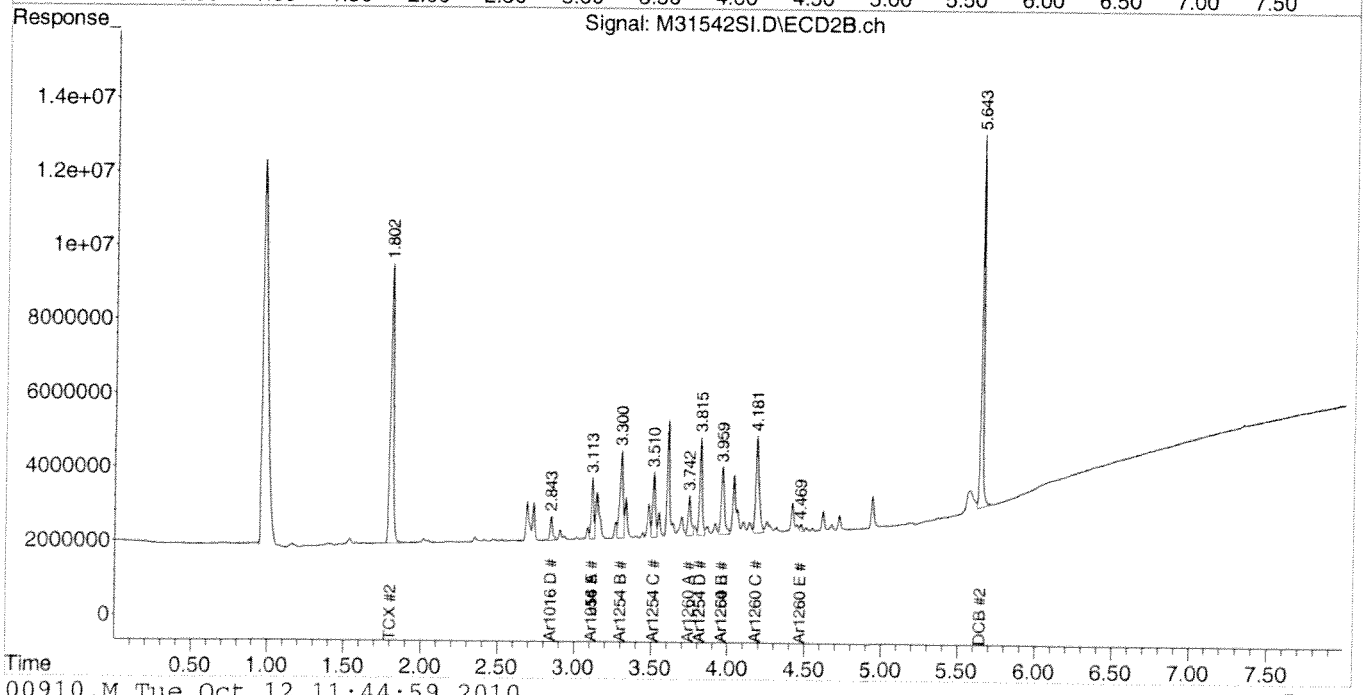
JL 101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31542SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:02 pm
Operator : JK
Sample : P5489 AR 1254 0.0625 UG/ML
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:44:49 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31543SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:12 pm
Operator : JK
Sample : P5490 AR 1254 0.125 UG/ML
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:53 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10.12.1.

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
System Monitoring Compounds							
1) S TCX	2.136	1.803	44395036	216.3E6	17.748	26.465	#
Spiked Amount	100.000	Range	46 - 122	Recovery	=	17.75%#	26.47%#
17) S DCB	6.370	5.643	31061006	188.6E6	15.745	26.474	#
Spiked Amount	100.000	Range	40 - 135	Recovery	=	15.74%#	26.47%#
Target Compounds							
2) L1M Ar1016 A	2.459	2.015	107833	3119526	0.002	0.016	#
3) L1M Ar1016 B	3.193	2.190	232773	421397	0.006	0.001	#
4) L1M Ar1016 C	3.281	2.586	83058	559082	0.001	0.002	#
5) L1M Ar1016 D	3.348	2.844	4943601	14971995	0.099	0.105	
6) L1M Ar1016 E	3.568	3.113	3143201	35024192	0.053	0.237	#
Sum Ar1016 A			8510467	54096192	0.160	0.361	
Average Ar1016 A					0.032	0.072	
7) L2M Ar1260 A	4.612	3.742	7900091	26907537	0.062	0.066	
8) L2M Ar1260 B	4.783	3.960	7306157	55344836	0.049	0.076	#
9) L2M Ar1260 C	4.928	4.181	13746123	79687717	0.118	0.128	
10) L2M Ar1260 D	5.140	4.269	2135498	3289103	0.018	0.009	#
11) L2M Ar1260 E	5.315	4.471	4812872	4287414	0.075	0.018	#
Sum Ar1260 A			35900742	169.5E6	0.322	0.298	
Average Ar1260 A					0.064	0.060	
12) L3M Ar1254 A	3.909	3.113	8851719	35024192	0.118	0.134	
13) L3M Ar1254 B	4.059	3.300	9889575	66794139	0.063	0.249	#
14) L3M Ar1254 C	4.352	3.510	7947238	39595292	0.083	0.075	
15) L3M Ar1254 D	4.638	3.816	12009851	61664916	0.130	0.164	#
16) L3M Ar1254 E	4.783	3.960	7306157	55344836	0.044	0.127	#
Sum Ar1254 A			46004541	258.4E6	0.438	0.750	
Average Ar1254 A					0.088	0.150	

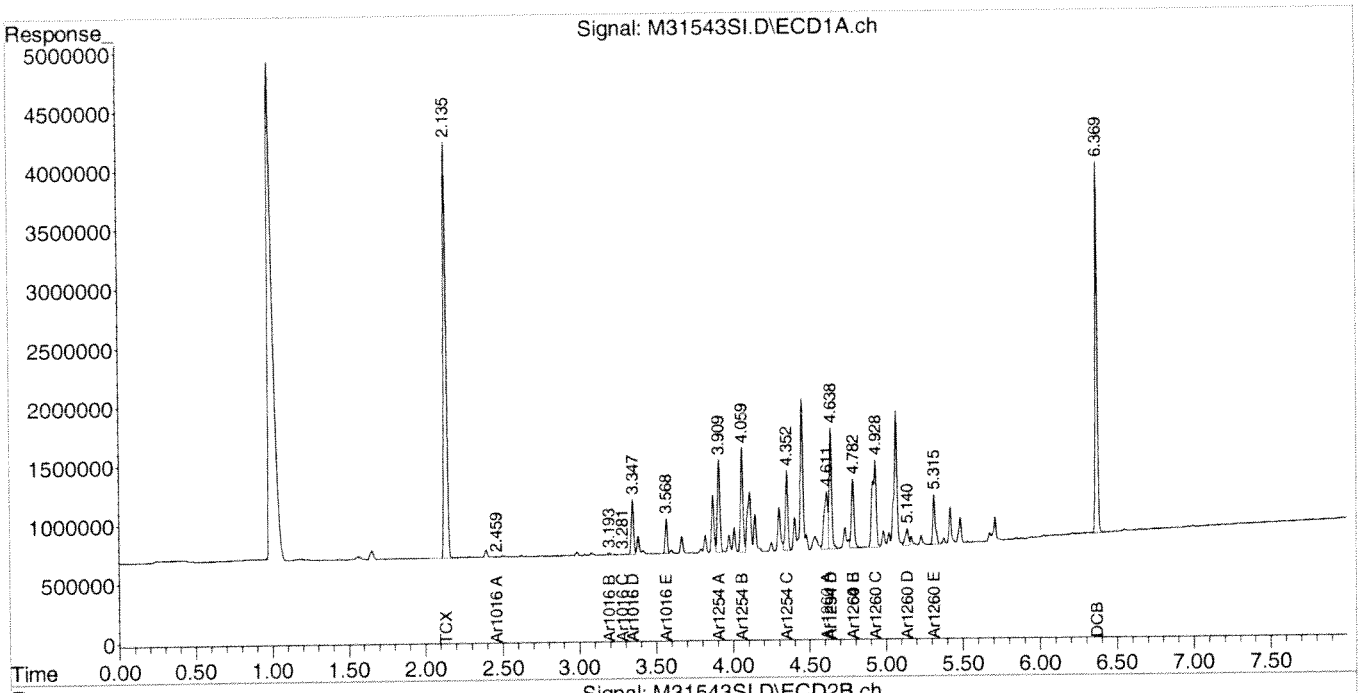
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

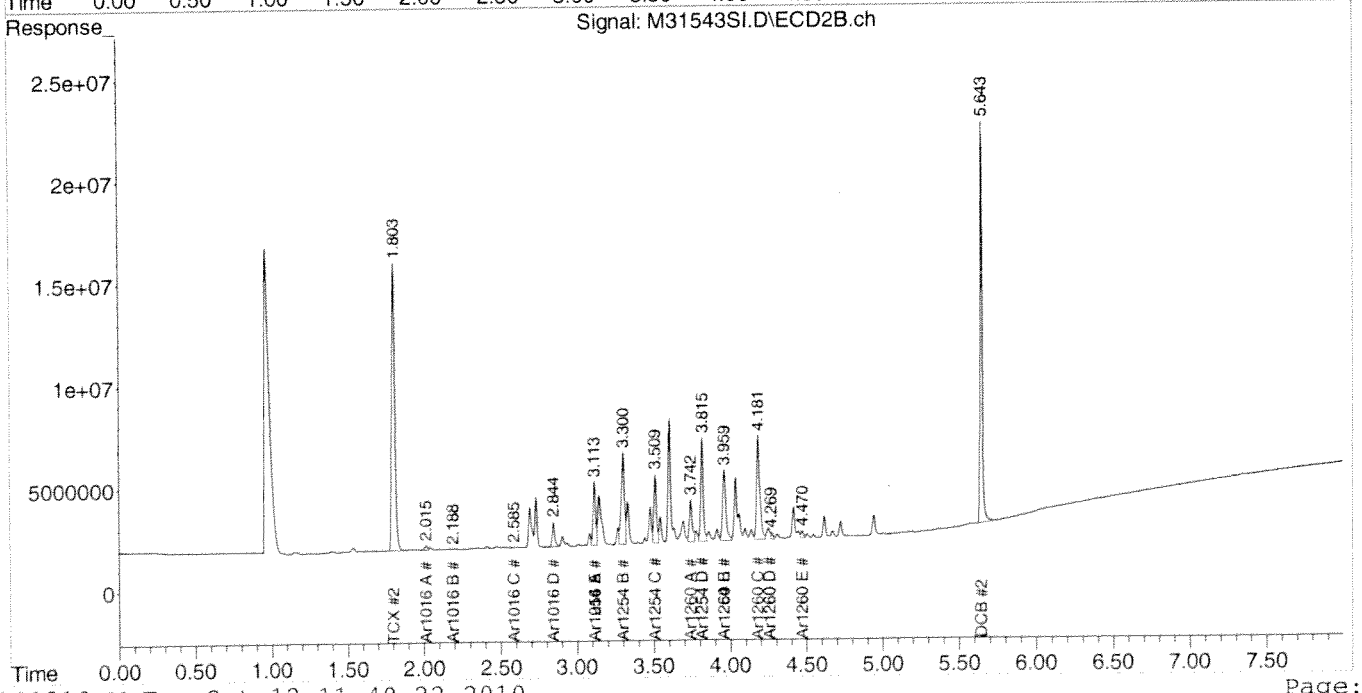
J101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31543SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:12 pm
Operator : JK
Sample : P5490 AR 1254 0.125 UG/ML
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:53 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31544SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:23 pm
Operator : JK
Sample : P5491 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:55 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.12.1.

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.136	1.803	88303432	436.9E6	35.302	53.464 #
Spiked Amount	100.000 Range	46 - 122	Recovery	=	35.30%#	53.46%
17) S DCB	6.370	5.643	59906507	383.6E6	30.366	53.855 #
Spiked Amount	100.000 Range	40 - 135	Recovery	=	30.37%#	53.85%
Target Compounds						
2) L1M Ar1016 A	2.462	2.015	247898	6379228	0.005	0.032 #
3) L1M Ar1016 B	3.194	2.192	467001	1105270	0.011	0.003 #
4) L1M Ar1016 C	3.282	2.571	132605	630022	0.001	0.002 #
5) L1M Ar1016 D	3.348	2.844	9150500	29579633	0.183	0.208
6) L1M Ar1016 E	3.568	3.113	5924530	68324511	0.100	0.462 #
Sum Ar1016 A			15922536	106.0E6	0.300	0.707
Average Ar1016 A					0.060	0.141
7) L2M Ar1260 A	4.612	3.742	14624569	52731904	0.115	0.130
8) L2M Ar1260 B	4.783	3.959	13353604	107.0E6	0.089	0.147 #
9) L2M Ar1260 C	4.928	4.181	26086909	155.5E6	0.223	0.250
10) L2M Ar1260 D	5.141	4.269	3737801	6028988	0.032	0.017 #
11) L2M Ar1260 E	5.316	4.471	9052287	8374458	0.141	0.035 #
Sum Ar1260 A			66855170	329.6E6	0.600	0.579
Average Ar1260 A					0.120	0.116
12) L3M Ar1254 A	3.910	3.113	16912317	68324511	0.225	0.262
13) L3M Ar1254 B	4.060	3.301	18669862	130.8E6	0.120	0.488 #
14) L3M Ar1254 C	4.353	3.510	15282318	78272710	0.159	0.148
15) L3M Ar1254 D	4.638	3.816	22759411	121.4E6	0.247	0.323 #
16) L3M Ar1254 E	4.783	3.959	13353604	107.0E6	0.080	0.246 #
Sum Ar1254 A			86977512	505.7E6	0.831	1.467
Average Ar1254 A					0.166	0.293

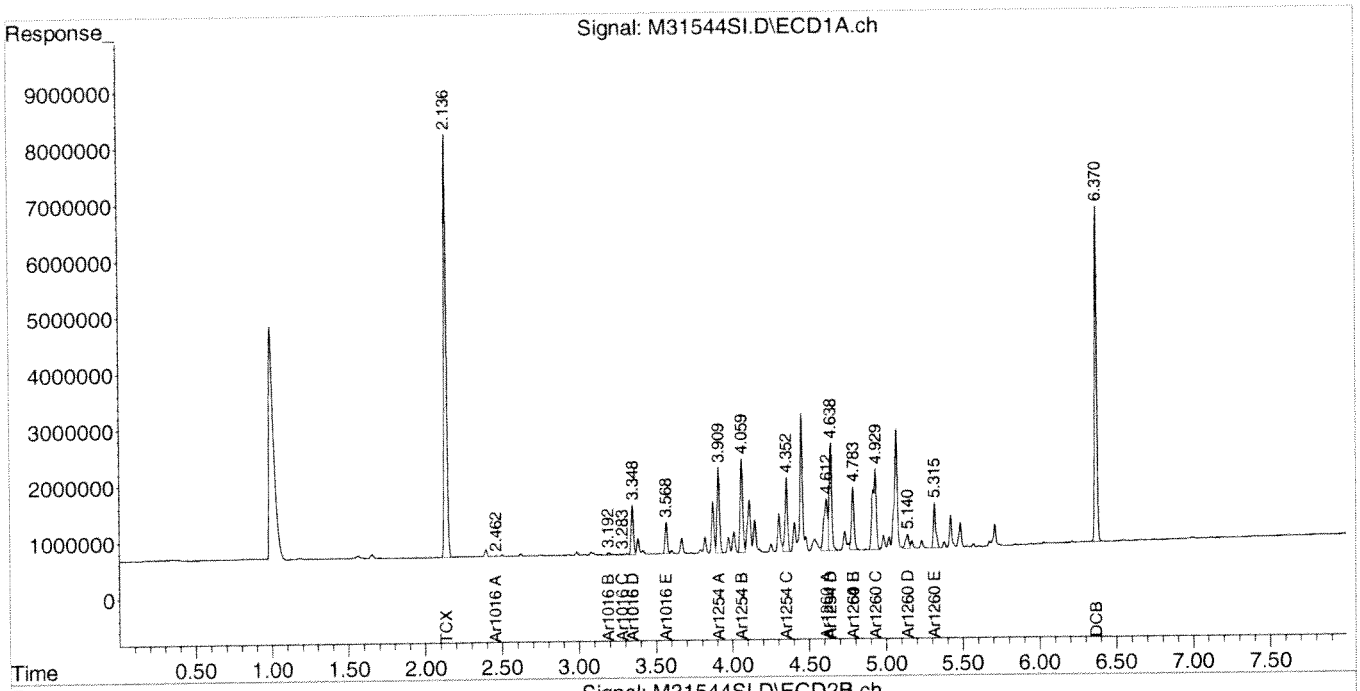
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

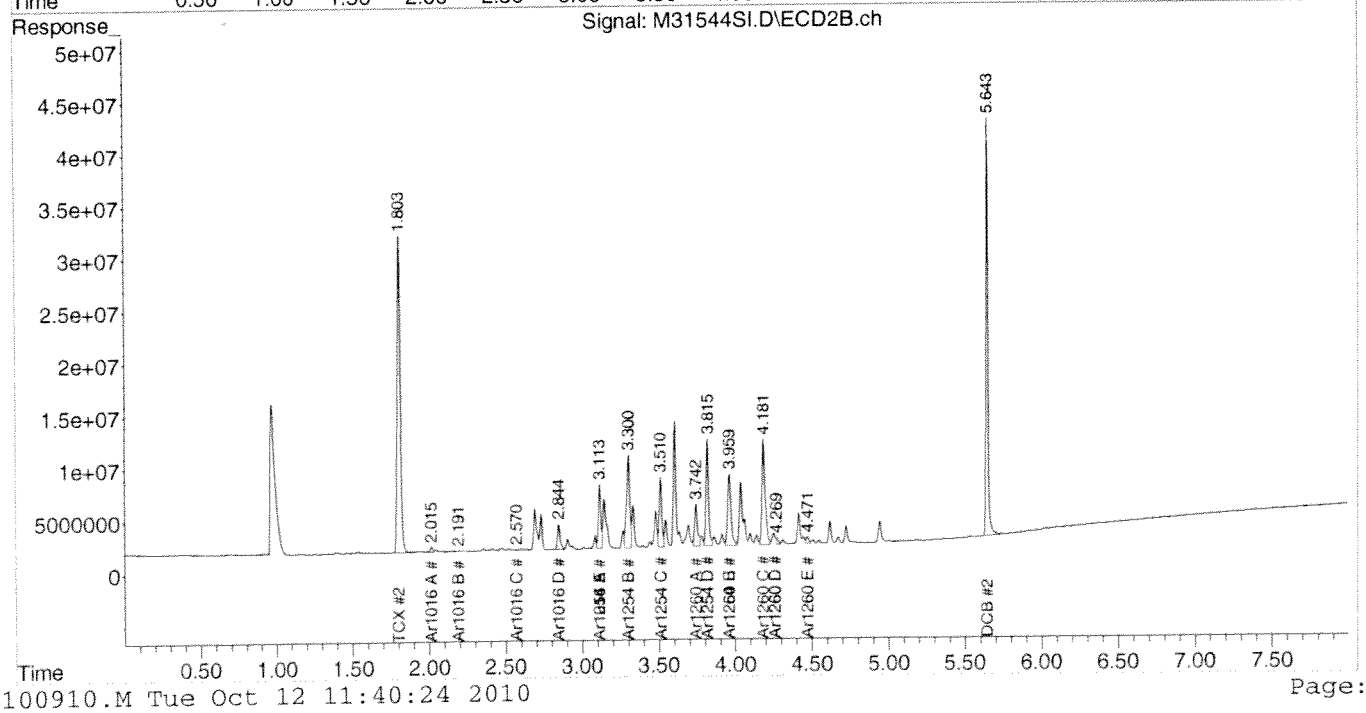
3/10/2010

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31544SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:23 pm
Operator : JK
Sample : P5491 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:55 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31545SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:33 pm
Operator : JK
Sample : P5552 AR 1254 0.5 UG/ML
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.12.10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
System Monitoring Compounds							
1) S TCX	2.134	1.801	180.9E6	883.7E6	72.318	108.127	#
Spiked Amount 100.000 Range 46 - 122 Recovery = 72.32% 108.13%							
17) S DCB	6.370	5.643	117.5E6	786.8E6	59.537	110.467	#
Spiked Amount 100.000 Range 40 - 135 Recovery = 59.54% 110.47%							
Target Compounds							
2) L1M Ar1016 A	2.457	2.013	356351	12016451	0.007	0.060	#
3) L1M Ar1016 B	3.192	2.190	767762	1589354	0.019	0.005	#
4) L1M Ar1016 C	3.281	2.568	181203	840087	0.002	0.003	#
5) L1M Ar1016 D	3.348	2.843	17188129	56963932	0.344	0.400	
6) L1M Ar1016 E	3.568	3.113	11038799	133.3E6	0.186	0.901	#
Sum Ar1016 A			29532244	204.7E6	0.557	1.369	
Average Ar1016 A					0.111	0.274	
7) L2M Ar1260 A	4.611	3.742	27745037	103.4E6	0.219	0.255	
8) L2M Ar1260 B	4.783	3.959	24995480	209.2E6	0.166	0.288	#
9) L2M Ar1260 C	4.928	4.181	49587837	306.5E6	0.424	0.494	
10) L2M Ar1260 D	5.141	4.249	6768071	41603523	0.058	0.116	#
11) L2M Ar1260 E	5.315	4.471	17030773	16199822	0.266	0.068	#
Sum Ar1260 A			126.1E6	677.0E6	1.133	1.220	
Average Ar1260 A					0.227	0.244	
12) L3M Ar1254 A	3.909	3.113	31957350	133.3E6	0.426	0.511	
13) L3M Ar1254 B	4.059	3.300	35201326	256.8E6	0.225	0.958	#
14) L3M Ar1254 C	4.352	3.510	29108372	155.0E6	0.304	0.293	
15) L3M Ar1254 D	4.638	3.815	43728855	240.0E6	0.475	0.639	#
16) L3M Ar1254 E	4.783	3.959	24995480	209.2E6	0.150	0.480	#
Sum Ar1254 A			165.0E6	994.4E6	1.579	2.882	
Average Ar1254 A					0.316	0.576	

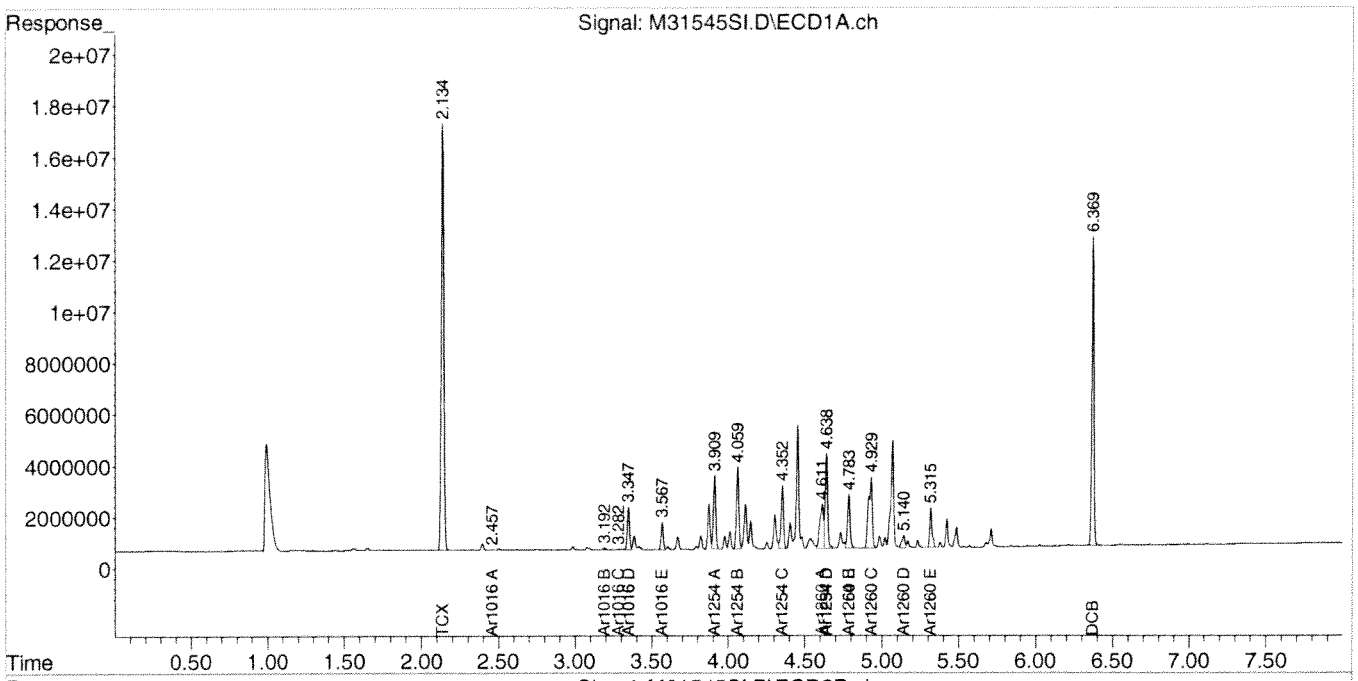
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

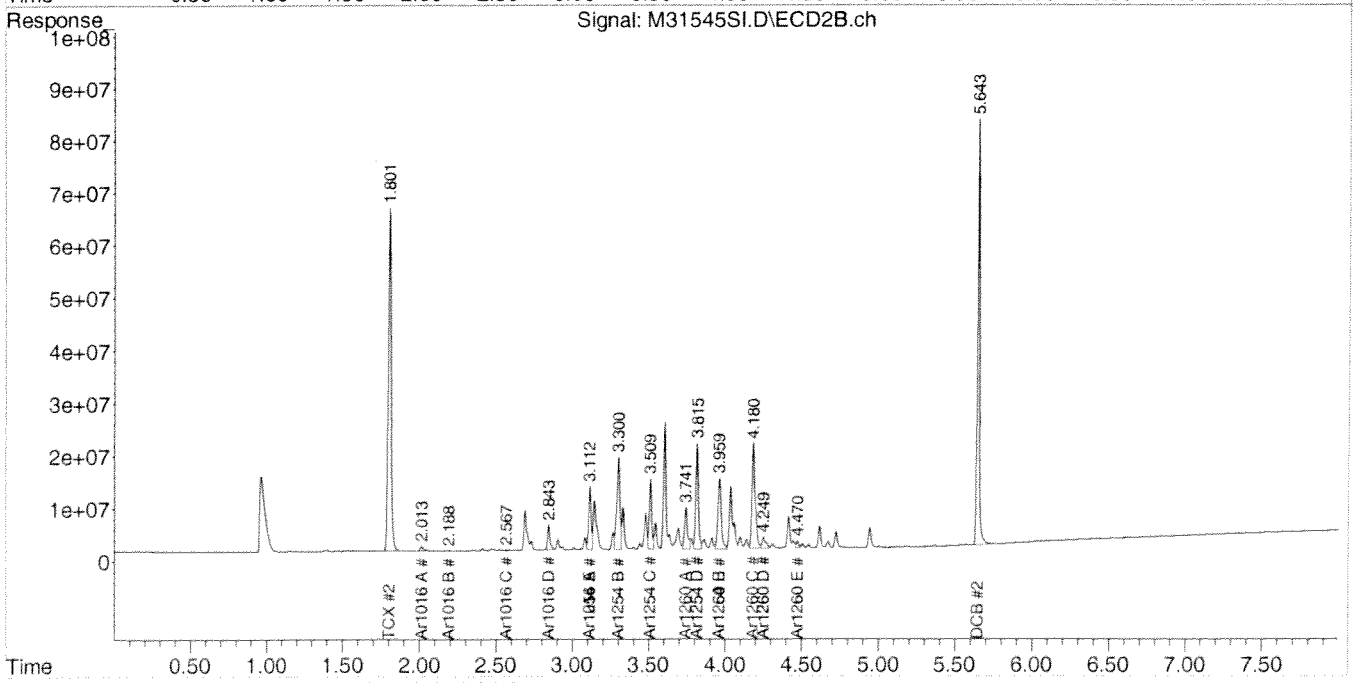
JL 101200

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31545SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:33 pm
Operator : JK
Sample : P5552 AR 1254 0.5 UG/ML
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31546SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:43 pm
Operator : JK
Sample : P5495 AR 1254 1.0 UG/ML
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:59 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-12-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
System Monitoring Compounds							
1) S TCX	2.134	1.800	352.0E6	1680.7E6	140.718	205.648	#
Spiked Amount	100.000 Range	46 - 122	Recovery	=	140.72%#	205.65%#	
17) S DCB	6.370	5.644	222.2E6	1497.8E6	112.626	210.298	#
Spiked Amount	100.000 Range	40 - 135	Recovery	=	112.63%	210.30%#	
Target Compounds							
2) L1M Ar1016 A	2.455	1.985	372830	880907	0.007	0.004	#
3) L1M Ar1016 B	3.192	2.189	1329169	2595269	0.032	0.008	#
4) L1M Ar1016 C	3.280	2.569	279537	1348641	0.003	0.005	#
5) L1M Ar1016 D	3.347	2.843	30696283	105.5E6	0.615	0.741	
6) L1M Ar1016 E	3.567	3.113	19769643	249.7E6	0.332	1.688	#
Sum Ar1016 A			52447462	360.0E6	0.989	2.447	
Average Ar1016 A					0.198	0.489	
7) L2M Ar1260 A	4.612	3.742	49996480	192.7E6	0.394	0.475	
8) L2M Ar1260 B	4.783	3.959	44640269	390.1E6	0.296	0.536	#
9) L2M Ar1260 C	4.928	4.181	91053229	578.2E6	0.779	0.931	
10) L2M Ar1260 D	5.141	4.249	11579297	76280155	0.099	0.213	#
11) L2M Ar1260 E	5.315	4.471	30534513	29941289	0.476	0.125	#
Sum Ar1260 A			227.8E6	1267.2E6	2.045	2.280	
Average Ar1260 A					0.409	0.456	
12) L3M Ar1254 A	3.909	3.113	58265142	249.7E6	0.777	0.957	
13) L3M Ar1254 B	4.059	3.300	64148743	482.7E6	0.411	1.801	#
14) L3M Ar1254 C	4.352	3.510	53183109	292.4E6	0.555	0.553	
15) L3M Ar1254 D	4.638	3.816	80276950	452.1E6	0.871	1.204	#
16) L3M Ar1254 E	4.783	3.959	44640269	390.1E6	0.267	0.896	#
Sum Ar1254 A			300.5E6	1867.0E6	2.880	5.410	
Average Ar1254 A					0.576	1.082	

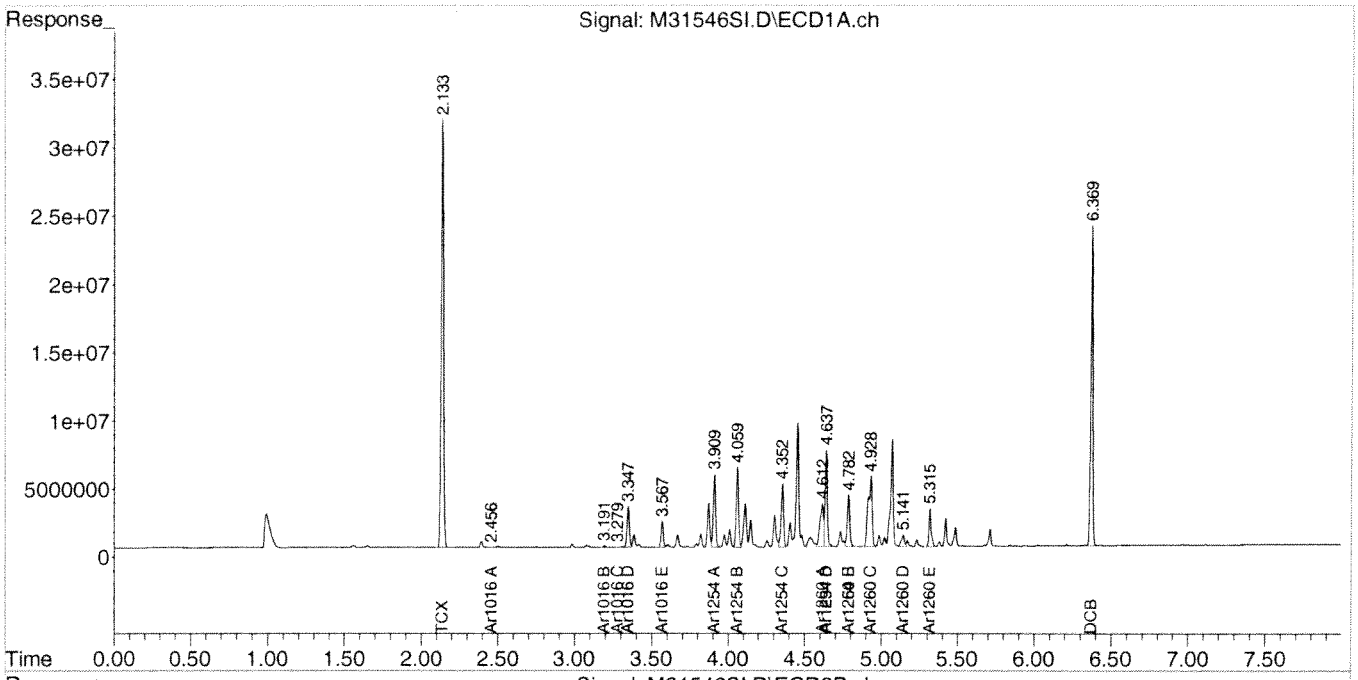
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

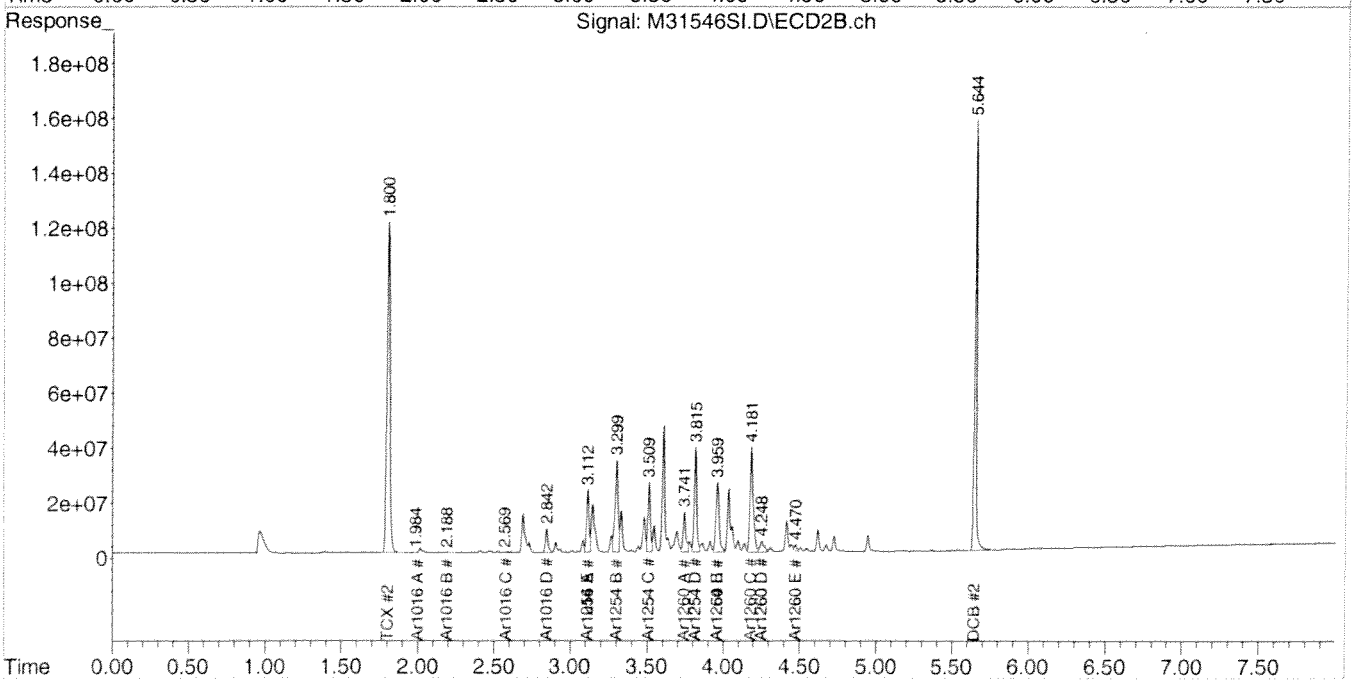
101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31546SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:43 pm
Operator : JK
Sample : P5495 AR 1254 1.0 UG/ML
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:59 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31547SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:54 pm
Operator : JK
Sample : P5496 AR 1254 2.0 UG/ML
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:23:01 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-12-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.133	1.799	755.7E6	3437.4E6	302.108	420.608 #
Spiked Amount 100.000	Range	46 - 122	Recovery	=	302.11%#	420.61%#
17) S DCB	6.370	5.644	473.9E6	3125.8E6	240.205	438.875 #
Spiked Amount 100.000	Range	40 - 135	Recovery	=	240.21%#	438.88%#
Target Compounds						
2) L1M Ar1016 A	2.454	1.985	787160	1805175	0.014	0.009 #
3) L1M Ar1016 B	3.192	2.188	2688925	5072841	0.065	0.015 #
4) L1M Ar1016 C	3.280	2.568	585286	2640176	0.006	0.010 #
5) L1M Ar1016 D	3.347	2.842	61460134	216.0E6	1.230	1.517
6) L1M Ar1016 E	3.567	3.112	39167264	517.5E6	0.658	3.499 #
Sum Ar1016 A			104.7E6	743.0E6	1.975	5.051
Average Ar1016 A					0.395	1.010
7) L2M Ar1260 A	4.611	3.741	101.2E6	399.1E6	0.799	0.983
8) L2M Ar1260 B	4.783	3.959	90171607	812.2E6	0.599	1.116 #
9) L2M Ar1260 C	4.928	4.181	189.4E6	1208.7E6	1.621	1.946
10) L2M Ar1260 D	5.140	4.249	22918739	158.2E6	0.195	0.442 #
11) L2M Ar1260 E	5.315	4.471	61713221	62110848	0.963	0.260 #
Sum Ar1260 A			465.4E6	2640.3E6	4.176	4.747
Average Ar1260 A					0.835	0.949
12) L3M Ar1254 A	3.909	3.112	119.8E6	517.5E6	1.598	1.983
13) L3M Ar1254 B	4.059	3.300	132.1E6	1003.9E6	0.846	3.746 #
14) L3M Ar1254 C	4.352	3.509	109.5E6	611.5E6	1.142	1.156
15) L3M Ar1254 D	4.638	3.815	167.6E6	942.0E6	1.818	2.508 #
16) L3M Ar1254 E	4.783	3.959	90171607	812.2E6	0.539	1.865 #
Sum Ar1254 A			619.3E6	3887.1E6	5.944	11.259
Average Ar1254 A					1.189	2.252

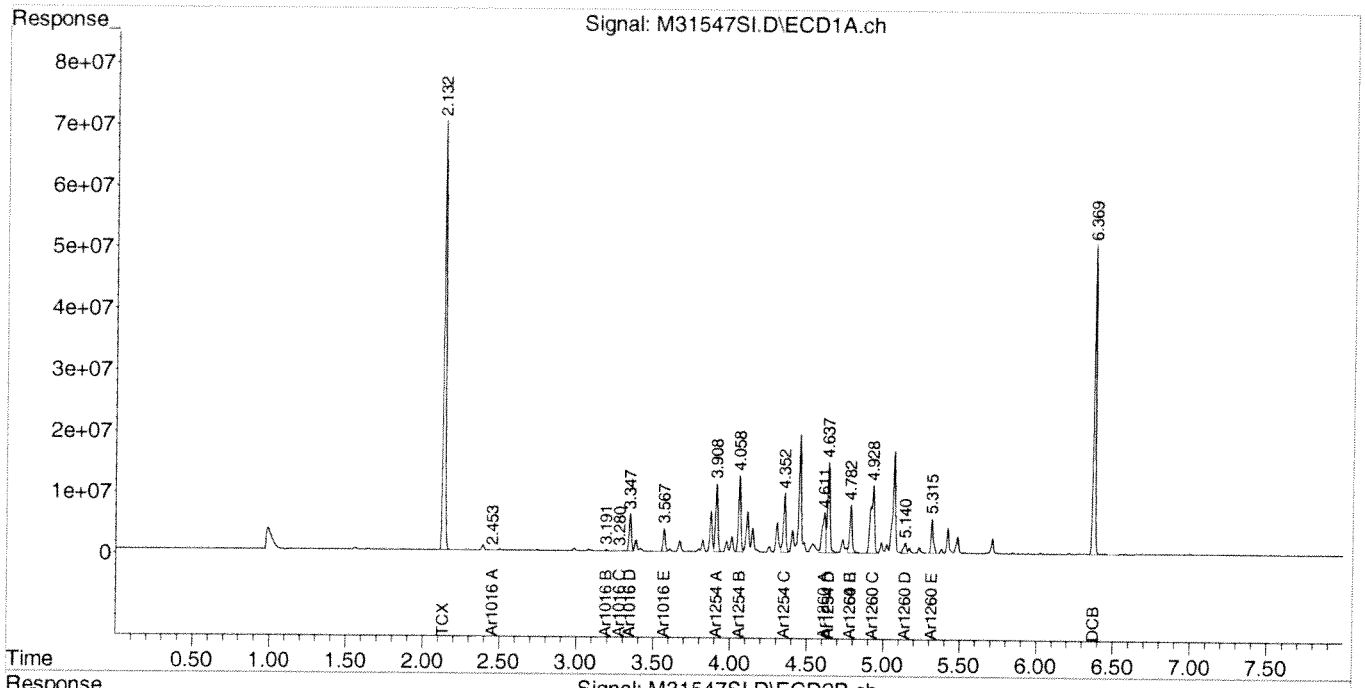
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

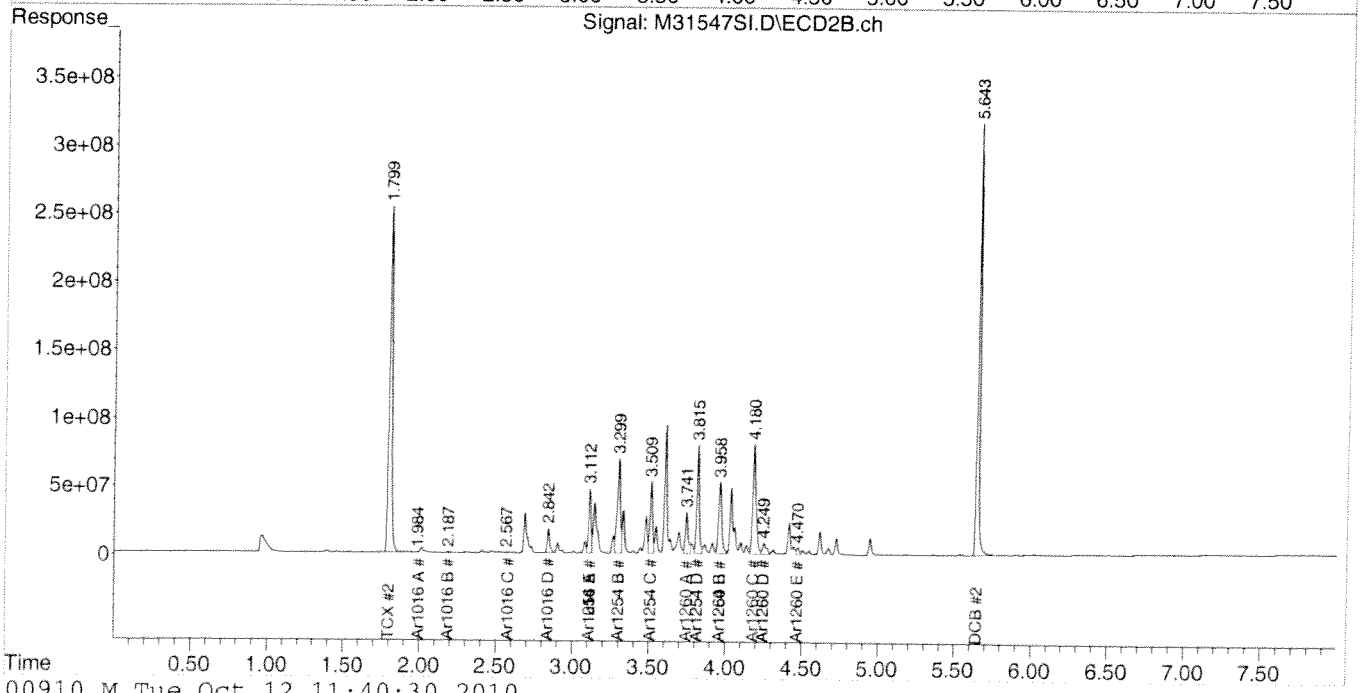
J101200

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31547SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:54 pm
Operator : JK
Sample : P5496 AR 1254 2.0 UG/ML
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:23:01 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB1254

INITIAL CALIBRATION VERIFICATION

METHOD: C:\msdchem\1\METHODS\PCB100910.M

Data File Name M31548CC.D
Date Acquired 10/9/2010 15:04
Sample Name P5498 AR 1254 ICV 0.5 UG/ML

Name	Amount	Recovery	80%-120% Recovery Pass	Name	Amount	Recovery	80%-120% Recovery Pass
Ar1254 A	0.49	98%	OK	Ar1254 A #2	0.54	108%	OK
Ar1254 B	0.51	101%	OK	Ar1254 B #2	0.51	102%	OK
Ar1254 C	0.50	100%	OK	Ar1254 C #2	0.52	105%	OK
Ar1254 D	0.45	90%	OK	Ar1254 D #2	0.47	94%	OK
Ar1254 E	0.48	96%	OK	Ar1254 E #2	0.52	104%	OK
	AVG	97%	OK		AVG	102%	OK

10.12.10

10/12/10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31548CC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 3:04 pm
Operator : JK
Sample : P5498 AR 1254 ICV 0.5 UG/ML
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:36:47 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.12.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.132	1.796	145551	1422248	0.080	0.164 #
Spiked Amount	100.000 Range	46 - 122	Recovery	=	0.08%#	0.16%#
17) S DCB	6.369	0.000	372735	0	0.317	N.D. #
Spiked Amount	100.000 Range	40 - 135	Recovery	=	0.32%#	0.00%#
Target Compounds						
2) L1M Ar1016 A	2.454	1.985	260195	1464620	N.D.	N.D.
3) L1M Ar1016 B	3.193	2.188	832774	2243562	N.D.	N.D.
4) L1M Ar1016 C	3.280	2.568	280035	1452585	N.D.	N.D.
5) L1M Ar1016 D	3.347	2.842	17579698	53005676	0.603	0.174 #
6) L1M Ar1016 E	3.567	3.112	10387801	146.5E6	0.224	1.303 #
Sum Ar1016 A			27967499	199.5E6	0.744	1.411
Average Ar1016 A					0.372	0.705
7) L2M Ar1260 A	4.612	3.741	29232024	115.3E6	0.358	0.268 #
8) L2M Ar1260 B	4.783	3.959	25791174	221.1E6	0.264	0.334 #
9) L2M Ar1260 C	4.928	4.181	47823887	318.7E6	0.537	0.452
10) L2M Ar1260 D	5.141	4.249	6971322	44461631	0.075	0.094 #
11) L2M Ar1260 E	5.316	4.471	17149800	17386809	0.206	0.038 #
Sum Ar1260 A			127.0E6	716.9E6	1.440	1.187
Average Ar1260 A					0.288	0.237
12) L3M Ar1254 A	3.909	3.112	32781613	146.5E6	0.492	0.541
13) L3M Ar1254 B	4.059	3.299	37465333	265.3E6	0.507	0.510
14) L3M Ar1254 C	4.352	3.509	30094285	163.2E6	0.500	0.523
15) L3M Ar1254 D	4.638	3.815	40593874	227.3E6	0.449	0.470
16) L3M Ar1254 E	4.783	3.959	25791174	221.1E6	0.482	0.518
Sum Ar1254 A			166.7E6	1023.5E6	2.430	2.562
Average Ar1254 A					0.486	0.512

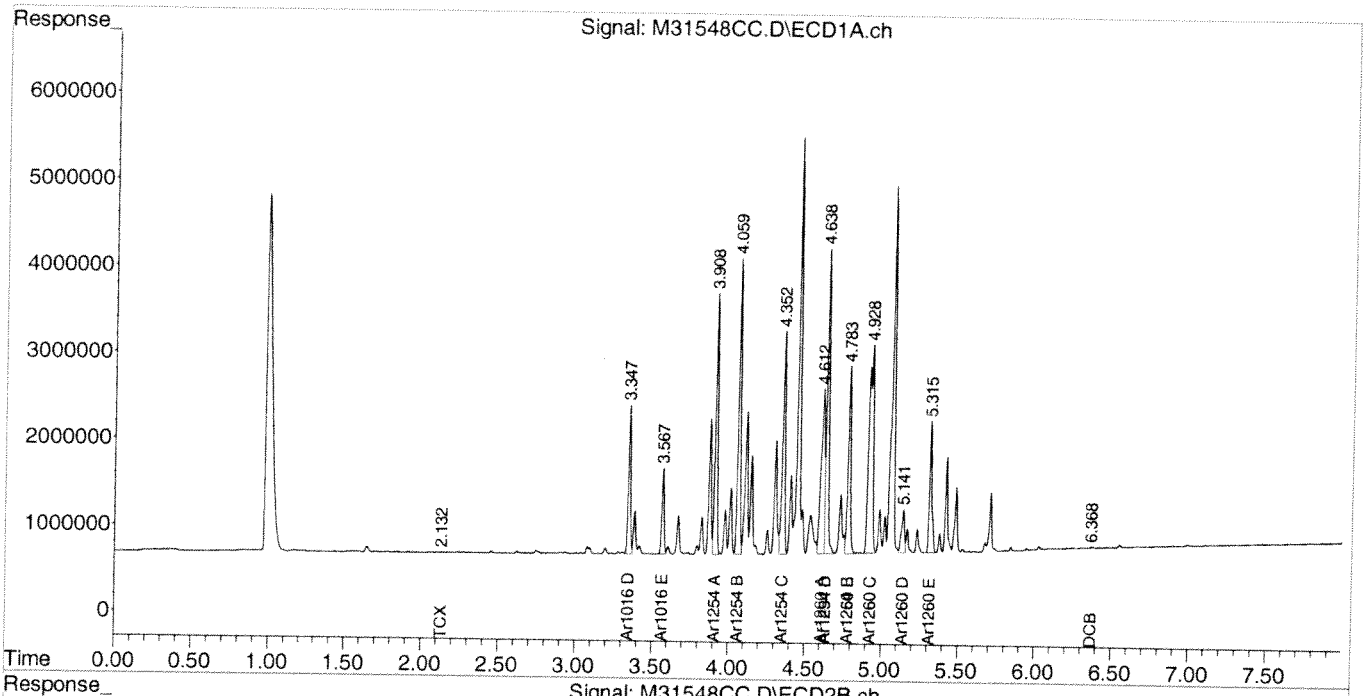
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

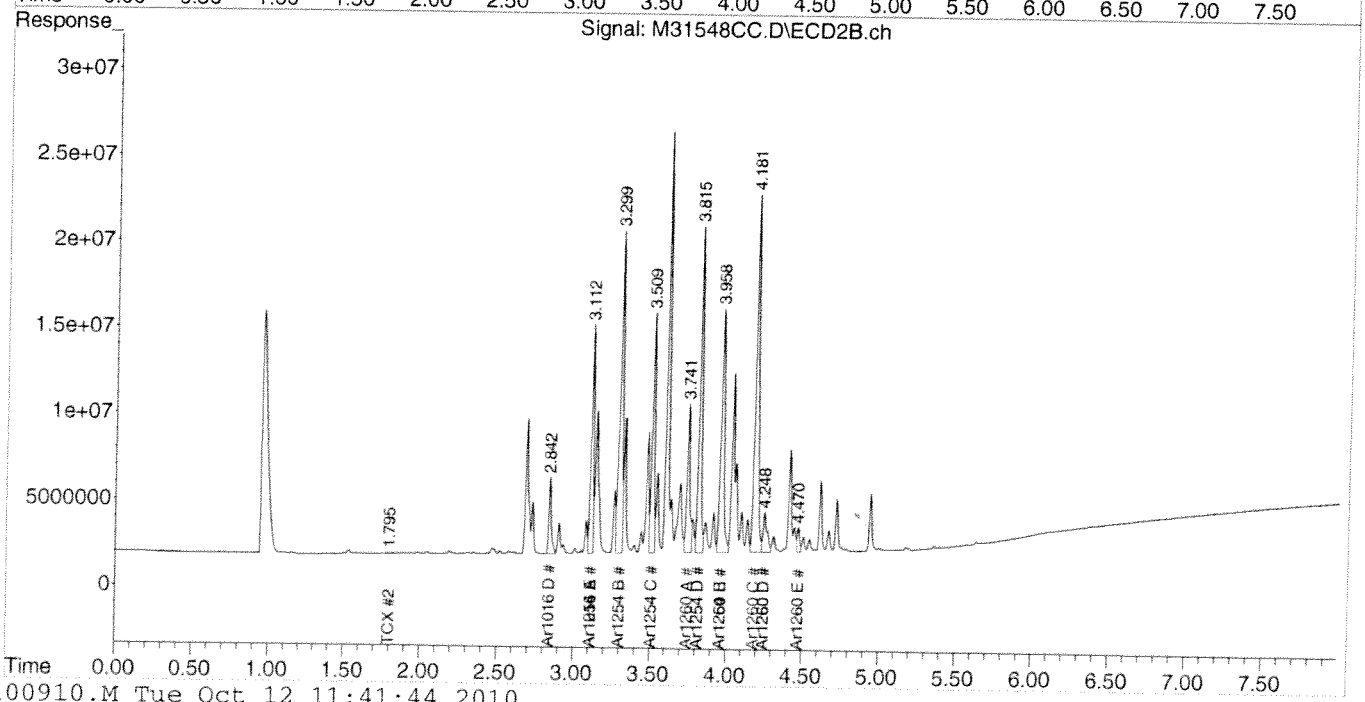
JL 101200

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31548CC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 3:04 pm
Operator : JK
Sample : P5498 AR 1254 ICV 0.5 UG/ML
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:36:47 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB
CONTINUING CALIBRATION

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5542 16/60 0.25 UG/ML
Data File ID: M31679SC.D

UL 10-15-1?

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				52.179	104		51.755	104	
PCB 1016				0.282	113		0.266	107	
PCB 1260				0.271	109		0.260	104	
DCB				48.568	97		51.549	103	

Lower Limit	Upper Limit
85	115

Column to be used to Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 3101310

PCB FORM 7

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31679SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 10:57 am
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 13 11:41:49 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

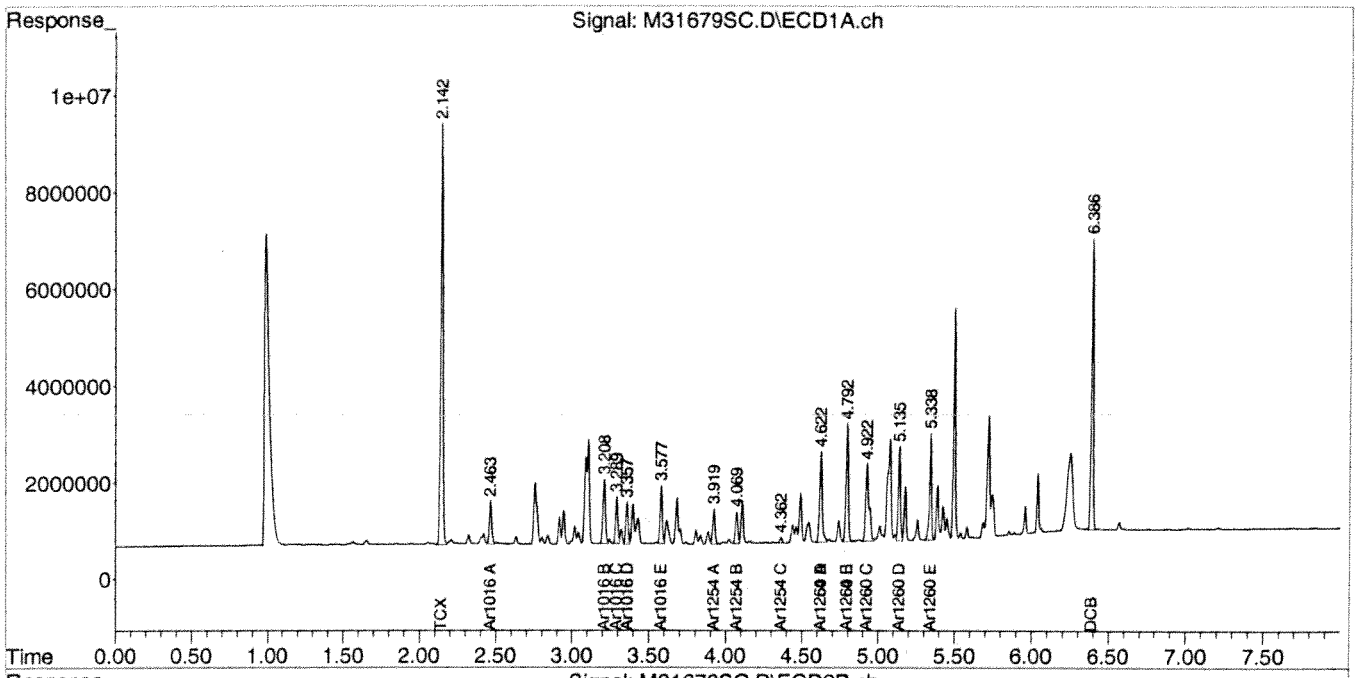
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.142	1.801	95520951	449.8E6	52.179	51.755
Spiked Amount	100.000 Range	46 - 122	Recovery	=	52.18%	51.76%
17) S DCB	6.386	5.646	57171680	370.5E6	48.568	51.549m
Spiked Amount	100.000 Range	40 - 135	Recovery	=	48.57%	51.55%
Target Compounds						
2) L1M Ar1016 A	2.463	1.985	10093605	53996277	0.291m	0.276m
3) L1M Ar1016 B	3.208	2.190	15659519	87503709	0.281m	0.264
4) L1M Ar1016 C	3.289	2.568	9793986	75706578	0.275m	0.264
5) L1M Ar1016 D	3.357	2.844	8976902	78301609	0.286m	0.267
6) L1M Ar1016 E	3.577	3.113	12503075	31358026	0.276m	0.262
Sum Ar1016 A			57027087	326.9E6	1.409	1.332
Average Ar1016 A					0.282	0.266
7) L2M Ar1260 A	4.622	3.742	22612180	114.7E6	0.269	0.267
8) L2M Ar1260 B	4.792	3.958	26792274	174.6E6	0.275	0.261
9) L2M Ar1260 C	4.922	4.181	25961807	183.2E6	0.277	0.256
10) L2M Ar1260 D	5.135	4.271	19497942	117.3E6	0.267	0.260
11) L2M Ar1260 E	5.339	4.471	21816935	107.6E6	0.269	0.258
Sum Ar1260 A			116.7E6	697.4E6	1.357	1.302
Average Ar1260 A					0.271	0.260
12) L3M Ar1254 A	3.919	3.113	8440277	31358026	0.127	0.116
13) L3M Ar1254 B	4.069	3.300	7429884	39746697	0.101	0.076
14) L3M Ar1254 C	4.362	3.505	1264496	30431187	0.021	0.098 #
15) L3M Ar1254 D	4.622	3.818	22612180	14825234	0.250	0.031 #
16) L3M Ar1254 E	4.792	3.958	26792274	174.6E6	0.501	0.409
Sum Ar1254 A			66539110	291.0E6	0.999	0.729
Average Ar1254 A					0.200	0.146

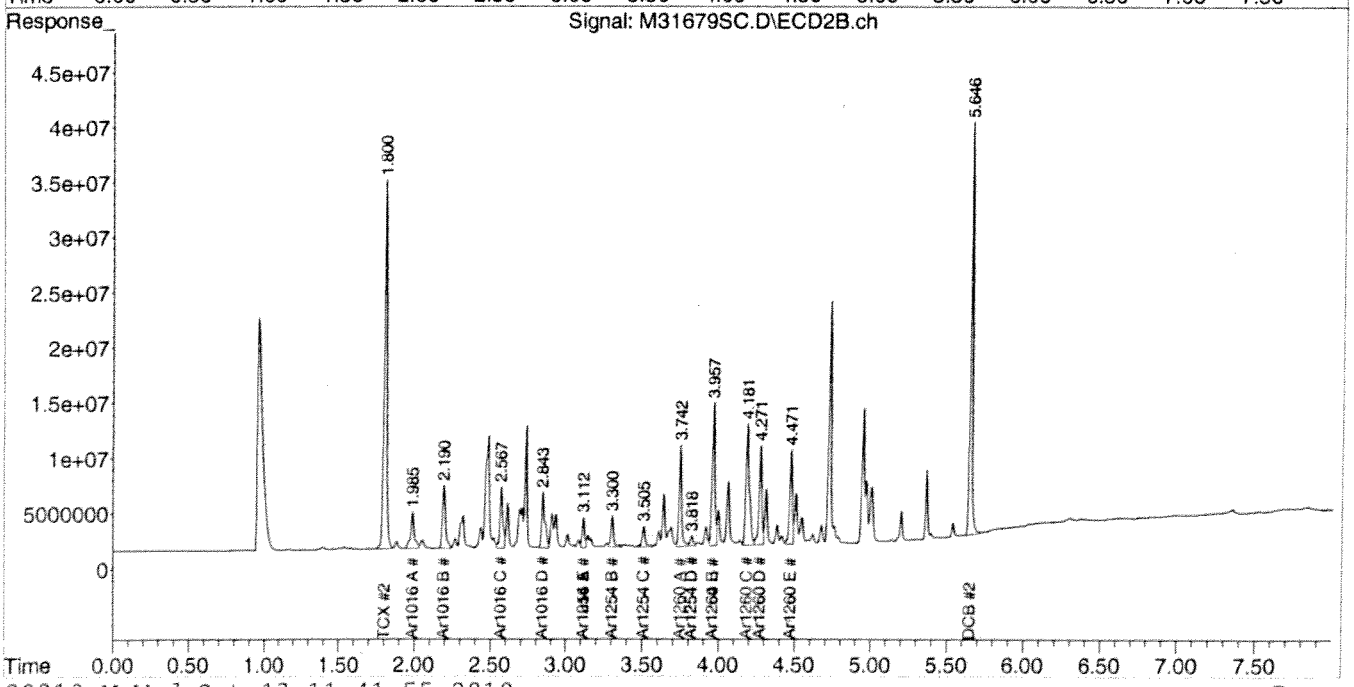
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31679SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 10:57 am
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 13 11:41:49 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



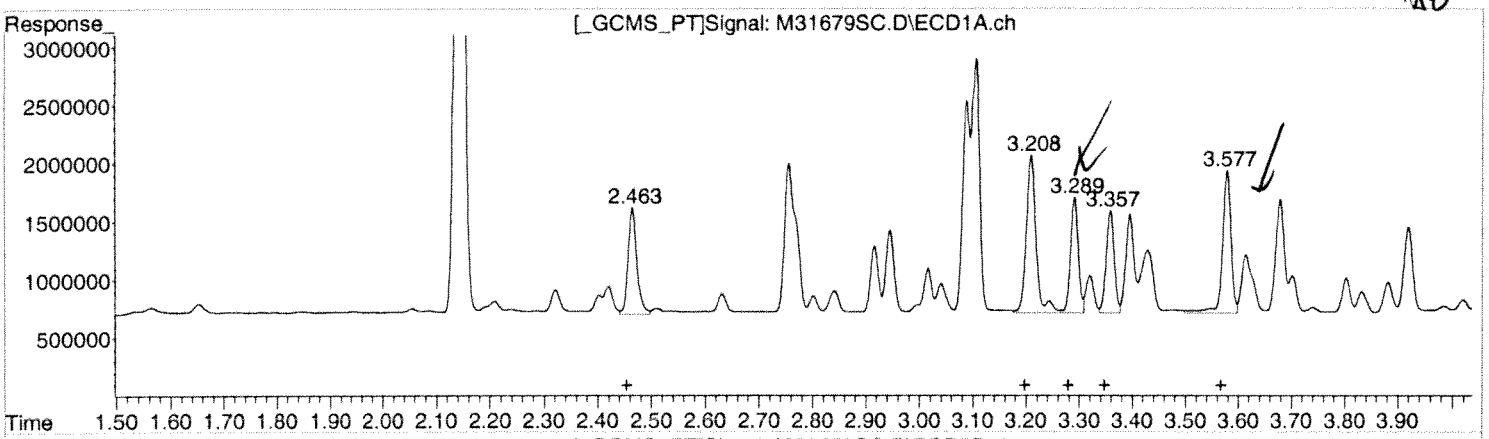


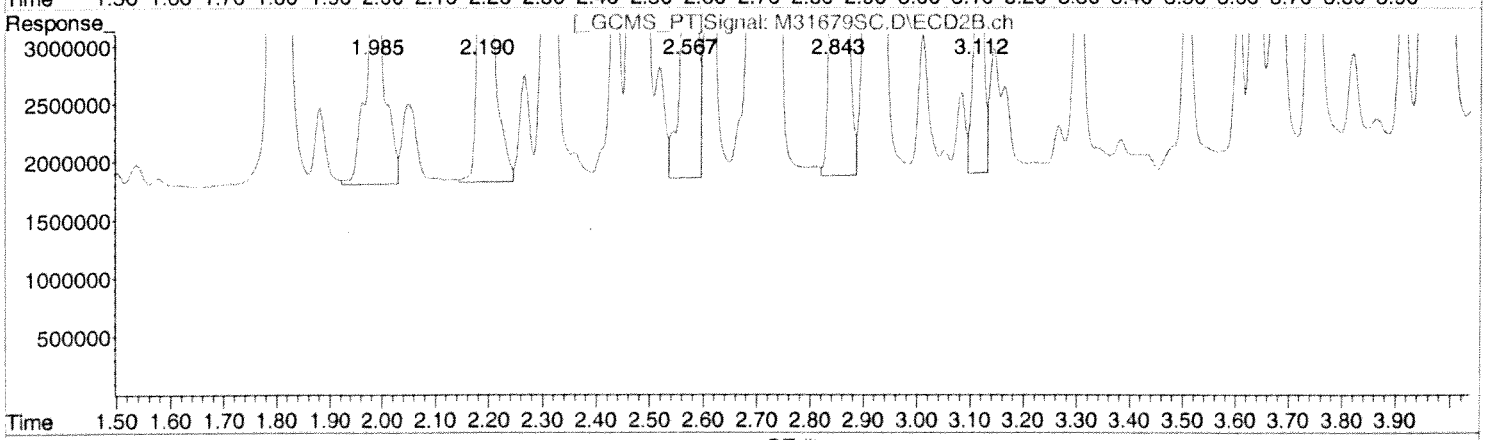
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31679SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 10:57 am
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 13 11:40:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10-15-10





QEdit

(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.46	10499413	0.31
3.21	17389520	0.32
3.29	10325003	0.29
3.36	9294606	0.30
3.58	13833643	0.31

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	56220342	0.29
2.19	87503709	0.26
2.57	75706578	0.26
2.84	78301609	0.27
3.11	31358026	0.26

10/18/10

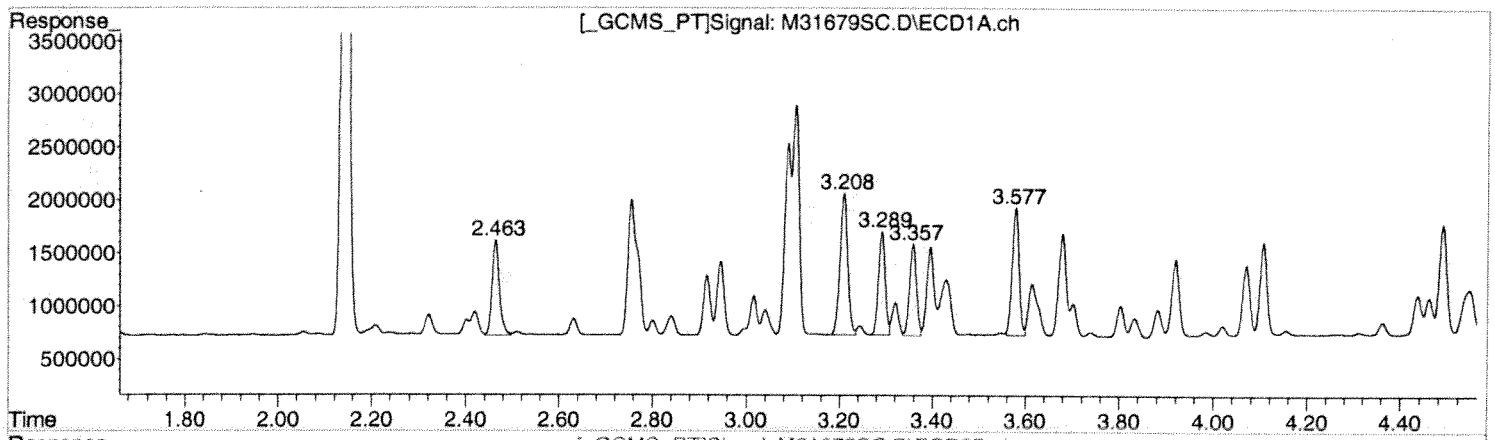
(+) = Expected Retention Time

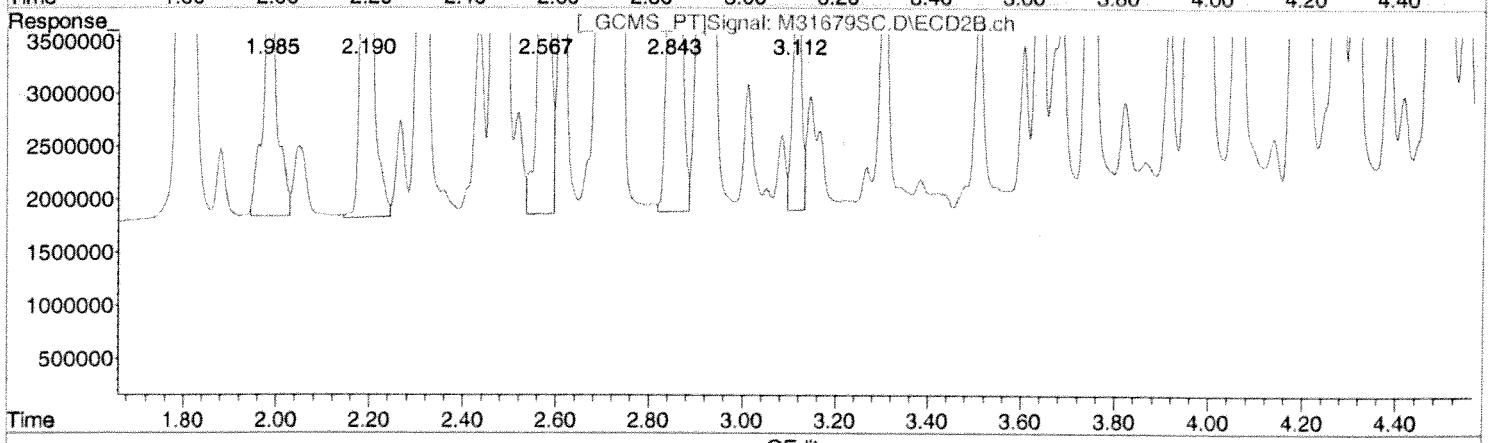
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31679SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 10:57 am
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 13 11:40:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-15-10





QEdit

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.46	10093605	0.29
3.21	15659519	0.28
3.29	9793986	0.27
3.36	8976902	0.29
3.58	12503075	0.28

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.98	53996277	0.28
2.19	87503709	0.26
2.57	75706578	0.26
2.84	78301609	0.27
3.11	31358026	0.26

JL 10-15-10

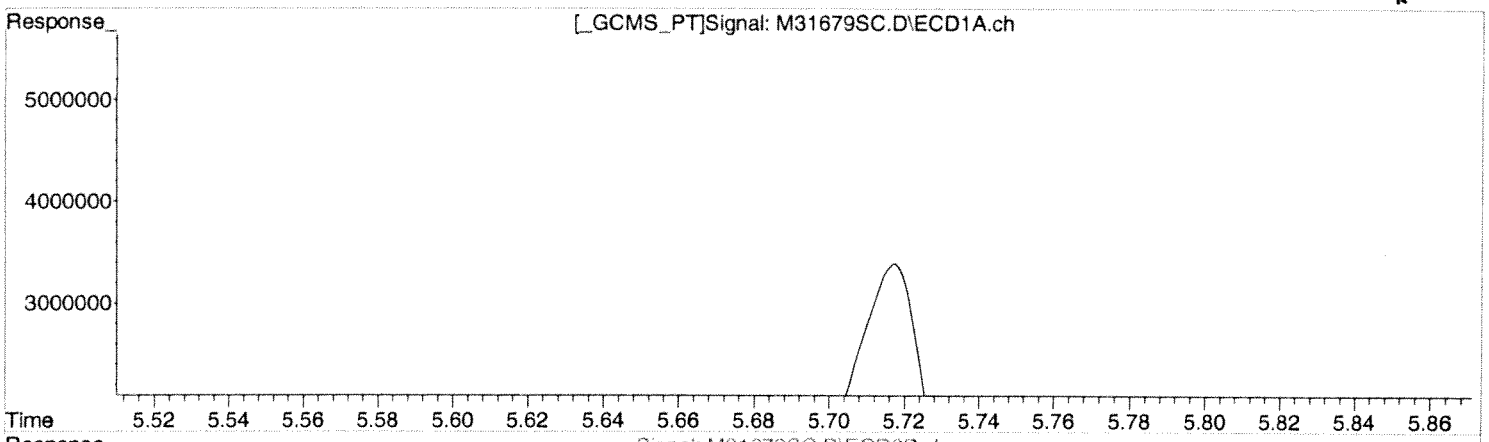
(+) = Expected Retention Time
PCB100910.M Wed Oct 13 11:41:34 2010

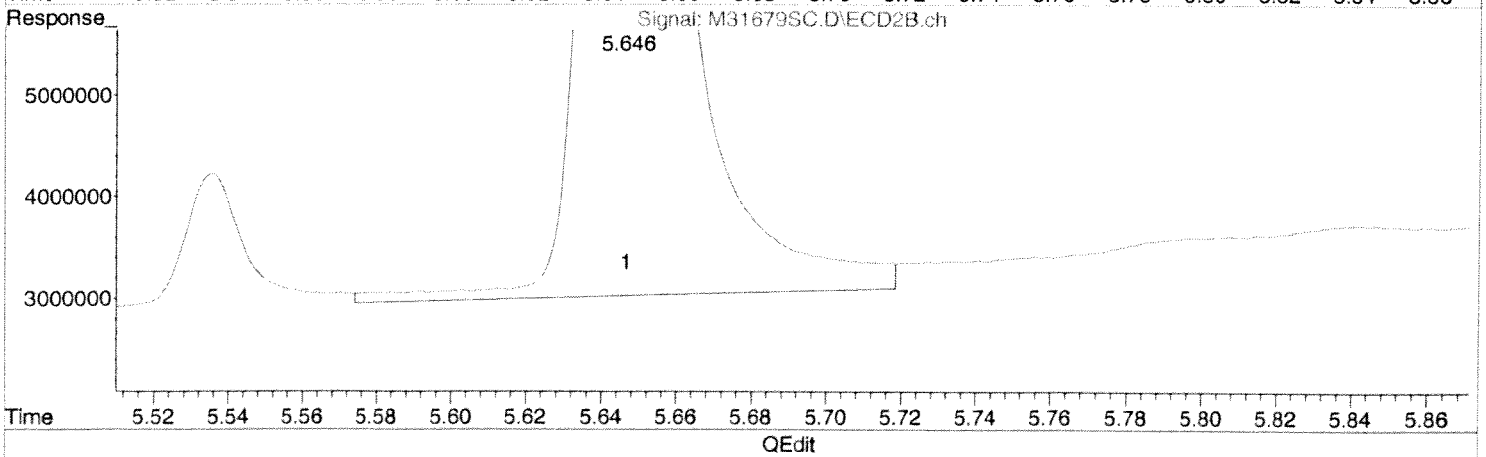
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31679SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 10:57 am
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 13 11:40:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-15-10 KCA





(17) DCB (S)

6.386min 48.568 ug/ml

response 57171680

(17) DCB #2 (S)

5.646min 52.999 ug/ml

response 380900493

101810

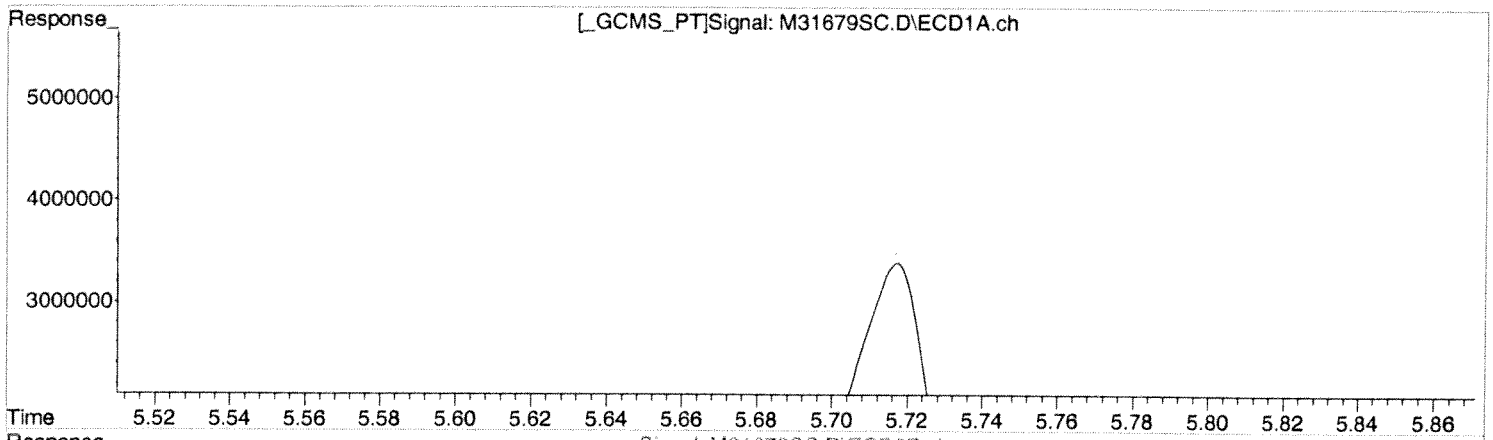
(+) = Expected Retention Time

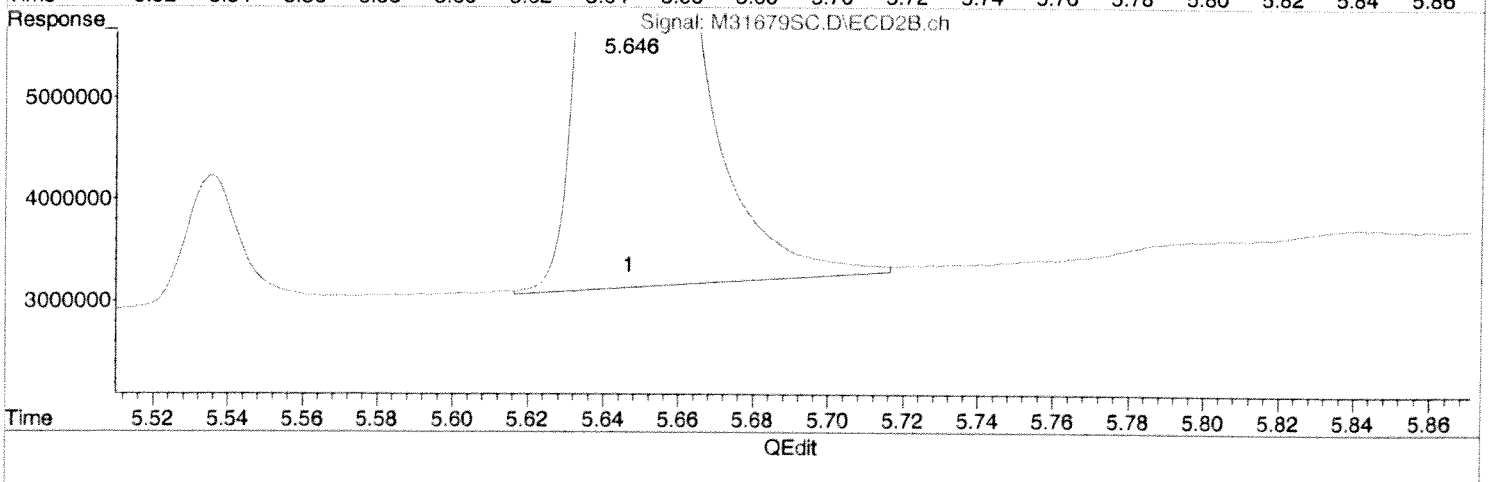
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31679SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 10:57 am
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 13 11:40:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-15-10





(17) DCB (S)

6.386min 48.568 ug/ml

response 57171680

(17) DCB #2 (S)

5.646min 51.549 ug/ml m

response 370478622

3101810

(+) = Expected Retention Time
PCB100910.M Wed Oct 13 11:41:51 2010

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5550 AR 1254 0.25 UG/MI
Column ID:	0.25 mm	Data File ID:	M31680SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

JL 10.15.7?

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.276	111		0.268	107	

Lower Limit	Upper Limit
85	115

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: 3101810

PCB FORM 7

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31680SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 11:08 am
Operator : JK
Sample : P5550 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 13 11:42:25 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.15.11

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.138	1.803	98996581	469.5E6	54.078	54.020
Spiked Amount	100.000	Range	46 - 122	Recovery	= 54.08%	54.02%
17) S DCB	6.373	5.644	64386479	422.9E6	54.697	58.848
Spiked Amount	100.000	Range	40 - 135	Recovery	= 54.70%	58.85%
Target Compounds						
2) L1M Ar1016 A	2.462	2.016	1049696	6811489	N.D.	N.D.
3) L1M Ar1016 B	3.196	2.192	1409784	1261646	N.D.	N.D.
4) L1M Ar1016 C	3.283	2.571	731921	723116	N.D.	N.D.
5) L1M Ar1016 D	3.350	2.845	10797160	31844416	0.353	0.100 #
6) L1M Ar1016 E	3.570	3.114	7949893	72908816	0.163	0.638 #
Sum Ar1016 A			18747053	104.8E6	0.486	0.698
Average Ar1016 A					0.243	0.349
7) L2M Ar1260 A	4.613	3.743	15090831	57156537	0.169	0.126 #
8) L2M Ar1260 B	4.785	3.960	14177509	113.9E6	0.133	0.166 #
9) L2M Ar1260 C	4.930	4.182	28197825	160.7E6	0.303	0.223 #
10) L2M Ar1260 D	5.142	4.269	3822848	7108290	0.027	0.009 #
11) L2M Ar1260 E	5.317	4.472	9556407	9229219	0.105	0.018 #
Sum Ar1260 A			70845419	348.1E6	0.737	0.542
Average Ar1260 A					0.147	0.108
12) L3M Ar1254 A	3.912	3.114	19064593	72908816	0.286	0.269
13) L3M Ar1254 B	4.062	3.301	20707237	140.3E6	0.280	0.270
14) L3M Ar1254 C	4.355	3.511	16915637	82224280	0.281	0.264
15) L3M Ar1254 D	4.640	3.816	24352239	129.7E6	0.269	0.268
16) L3M Ar1254 E	4.785	3.960	14177509	113.9E6	0.265	0.267
Sum Ar1254 A			95217214	539.1E6	1.381	1.338
Average Ar1254 A					0.276	0.268

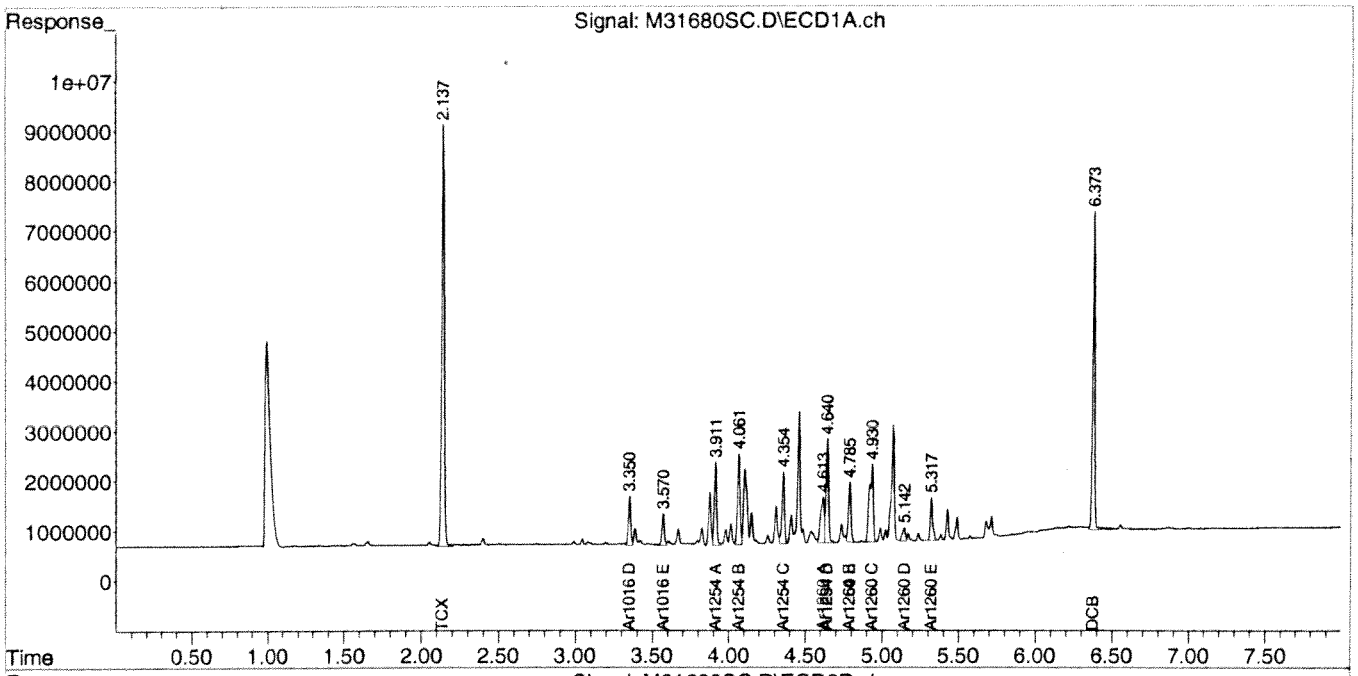
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

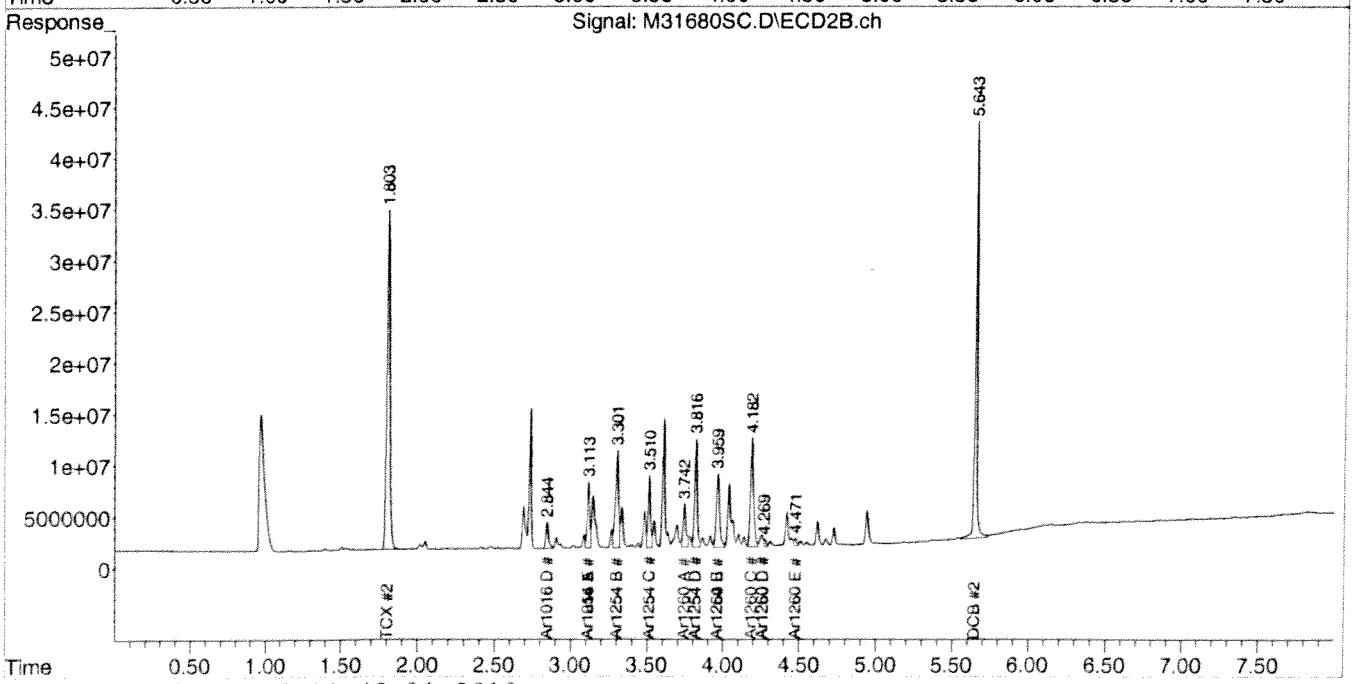
3101313

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31680SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 11:08 am
Operator : JK
Sample : P5550 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 13 11:42:25 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5542 16/60 0.25 UG/ML
Column ID:	0.25 mm	Data File ID:	M31691SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

10.05.10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				51.052	102		51.981	104	
PCB 1016				0.282	113		0.282	113	
PCB 1260				0.263	105		0.261	104	
DCB				45.758	92		49.037	98	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

_____

5/01/2010

PCB FORM 7

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31691SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:37 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:20:33 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10-15-10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.137	1.803	93458202	451.8E6	51.052	51.981
Spiked Amount	100.000	Range	46 - 122	Recovery	= 51.05%	51.98%
17) S DCB	6.371	5.643	53864385	352.4E6	45.758m	49.037m
Spiked Amount	100.000	Range	40 - 135	Recovery	= 45.76%	49.04%
Target Compounds						
2) L1M Ar1016 A	2.457	1.987	9925776	56455350	0.286	0.291m
3) L1M Ar1016 B	3.200	2.192	15684759	89062905	0.281	0.269m
4) L1M Ar1016 C	3.282	2.570	10025663	80605726	0.282	0.282
5) L1M Ar1016 D	3.349	2.845	9032916	81561361	0.288	0.278
6) L1M Ar1016 E	3.568	3.114	12460414	34685555	0.275m	0.292
Sum Ar1016 A			57129527	342.4E6	1.412	1.412
Average Ar1016 A					0.282	0.282
7) L2M Ar1260 A	4.614	3.742	21420192	116.7E6	0.253	0.271
8) L2M Ar1260 B	4.785	3.958	25455792	173.3E6	0.260	0.259
9) L2M Ar1260 C	4.914	4.181	24286266	182.3E6	0.257	0.254
10) L2M Ar1260 D	5.128	4.271	20843865	116.9E6	0.287	0.259
11) L2M Ar1260 E	5.332	4.471	20901482	108.4E6	0.257	0.260
Sum Ar1260 A			112.9E6	697.6E6	1.314	1.304
Average Ar1260 A					0.263	0.261
12) L3M Ar1254 A	3.911	3.114	8703885	34685555	0.131	0.128
13) L3M Ar1254 B	4.061	3.302	7546945	42650338	0.102	0.082
14) L3M Ar1254 C	4.354	3.506	1304078	35324744	0.022	0.113 #
15) L3M Ar1254 D	4.614	3.819	21420192	14699667	0.257	0.030 #
16) L3M Ar1254 E	4.785	3.958	25455792	173.3E6	0.476	0.406
Sum Ar1254 A			64430891	300.7E6	0.967	0.759
Average Ar1254 A					0.193	0.152

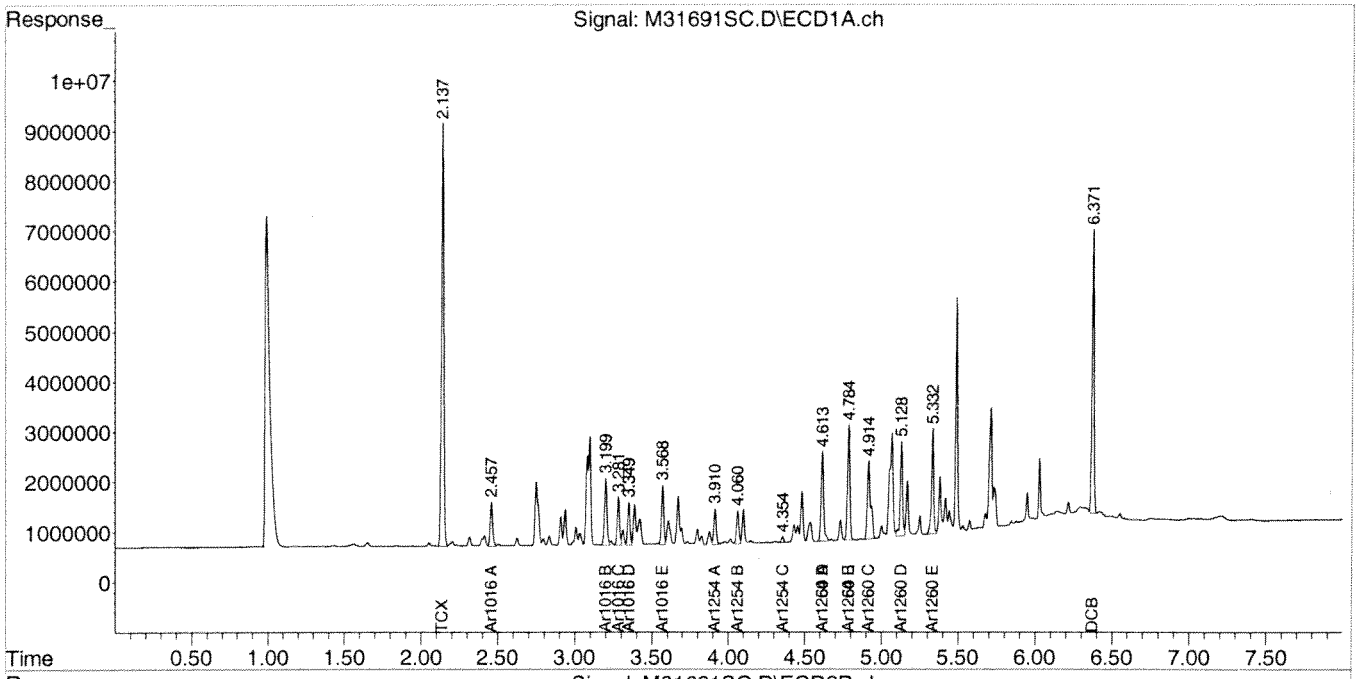
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

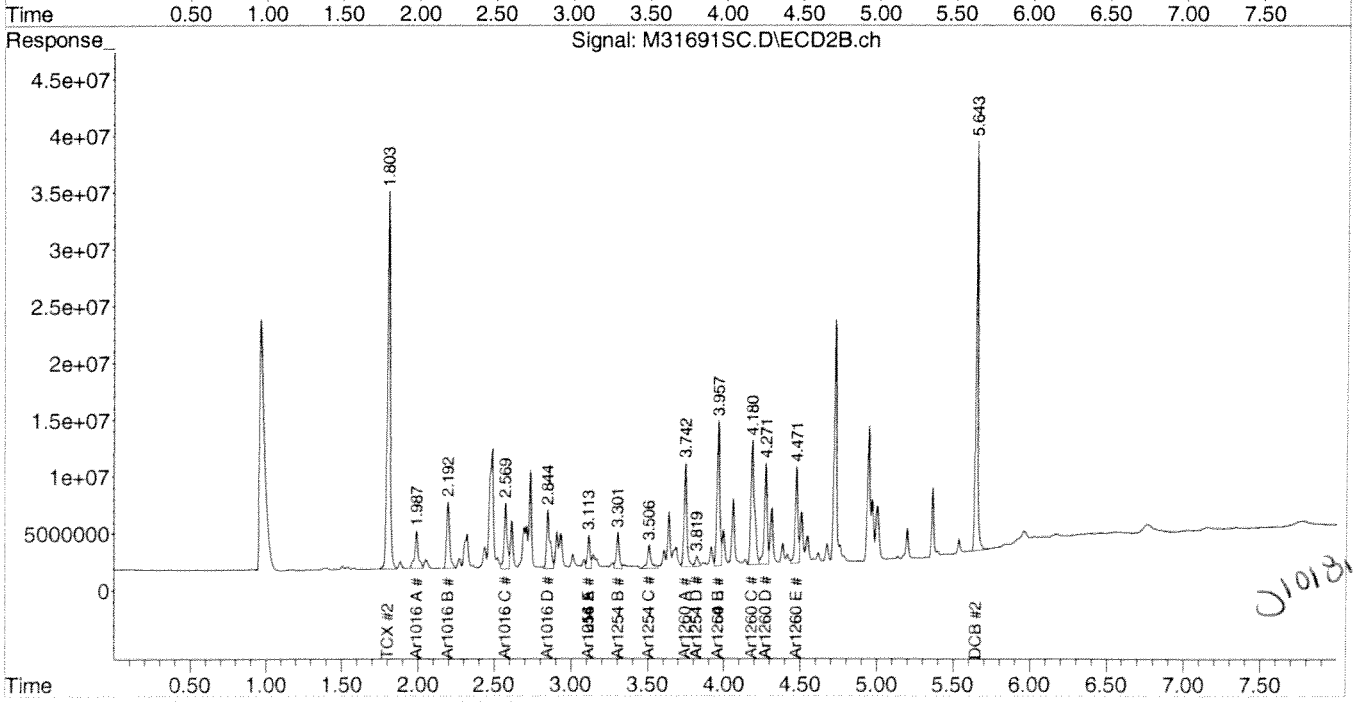
JL 10-15-10

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31691SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:37 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:20:33 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





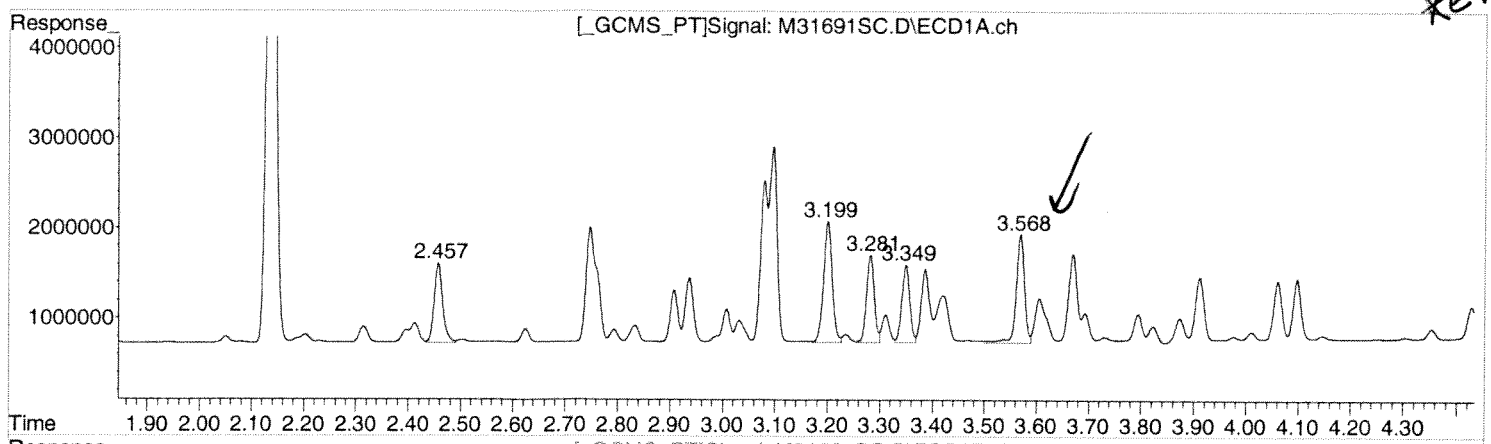
J101810

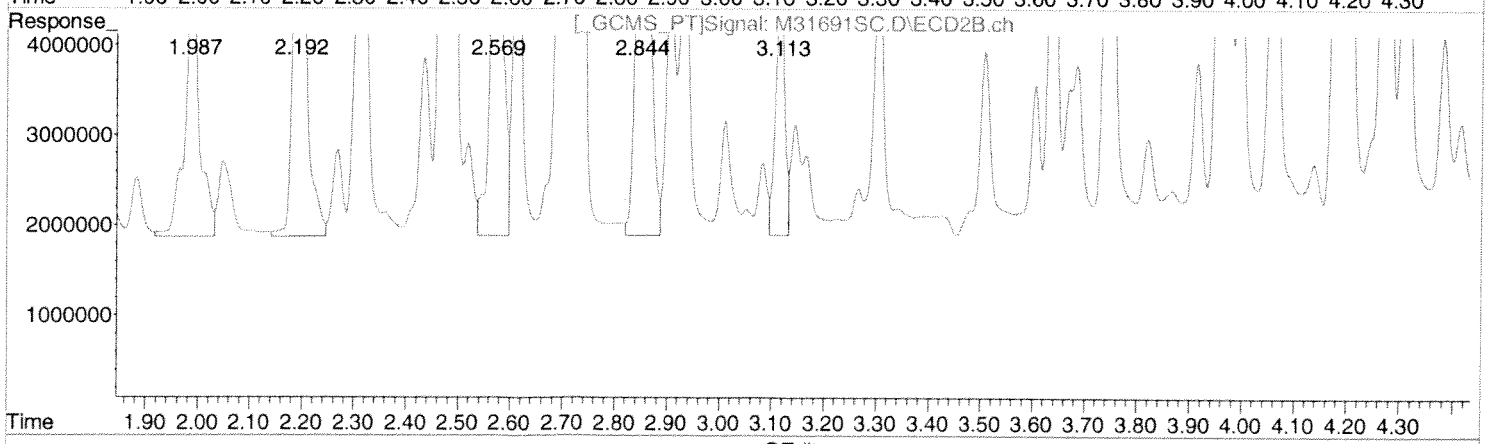
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31691SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:37 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:07:40 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10.15.10 KEA





QEdit

(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.46	9925776	0.29
3.20	15684759	0.28
3.28	10025663	0.28
3.35	9032916	0.29
3.57	13367595	0.30

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	59225740	0.31
2.19	92178808	0.28
2.57	80605726	0.28
2.84	81561361	0.28
3.11	34685555	0.29

0101813

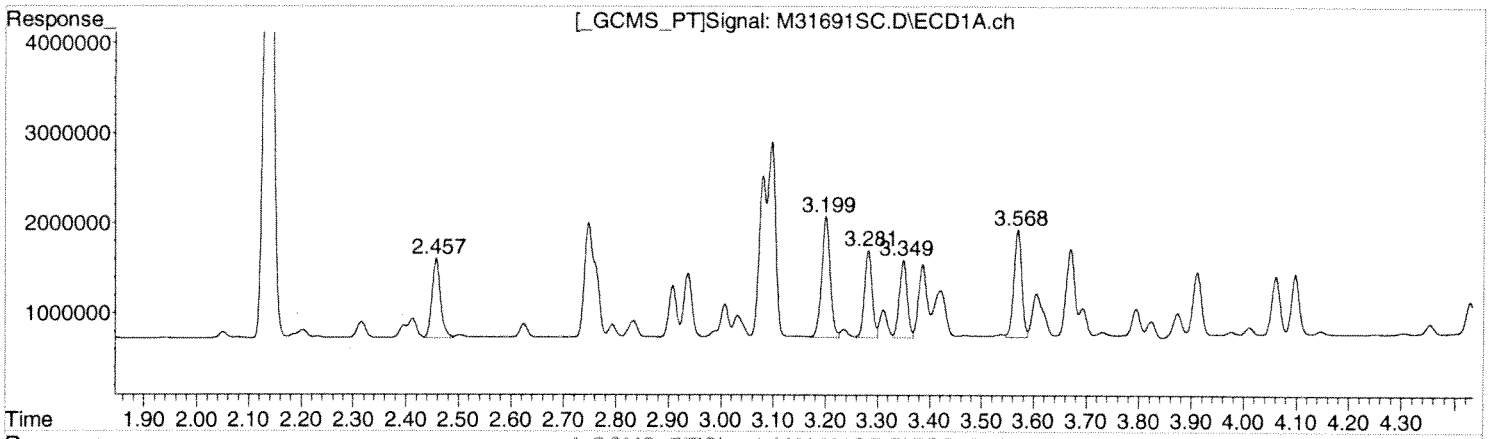
(+) = Expected Retention Time

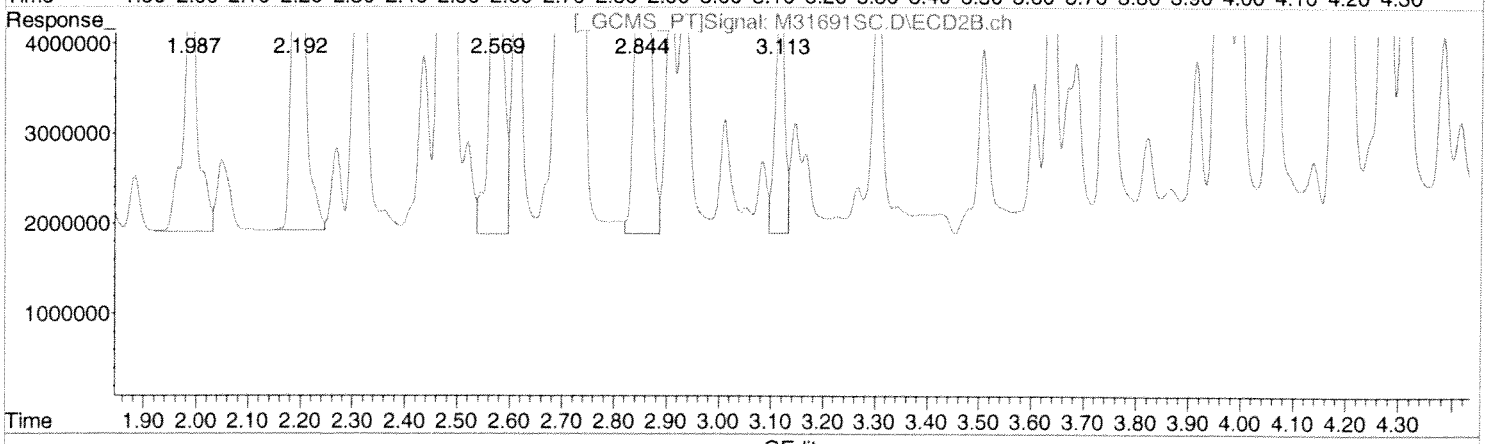
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31691SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:37 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:07:40 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10.15.10





QEdit

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.46	9925776	0.29
3.20	15684759	0.28
3.28	10025663	0.28
3.35	9032916	0.29
3.57	12460414	0.28

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	56455350	0.29
2.19	89062905	0.27
2.57	80605726	0.28
2.84	81561361	0.28
3.11	34685555	0.29

101210

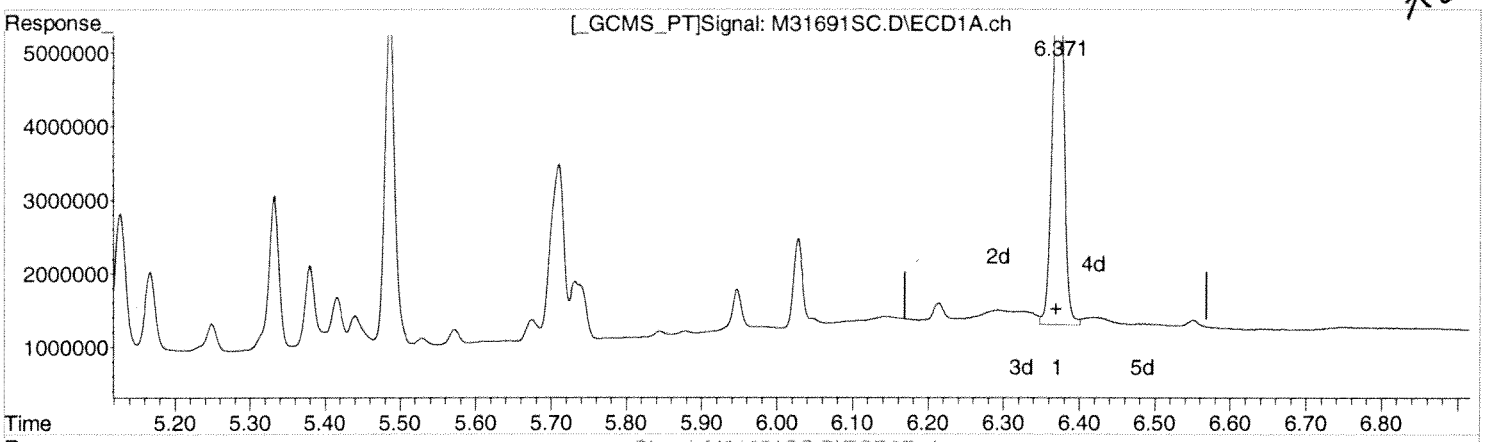
(+) = Expected Retention Time

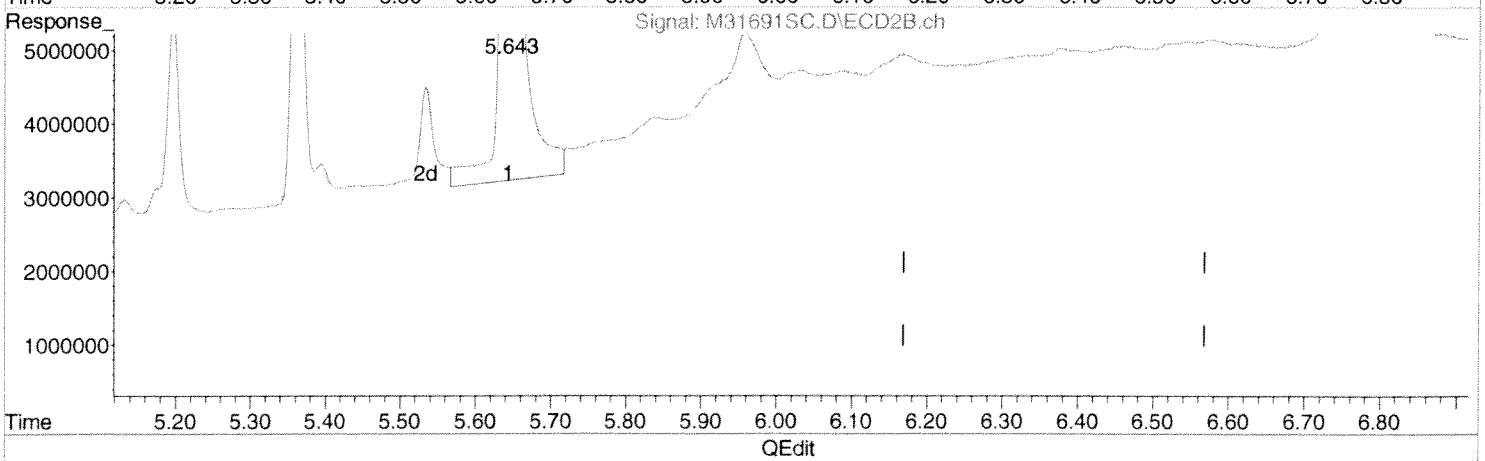
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31691SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:37 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:07:40 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-15-11 KEA





QEdit

(17) DCB (S)
6.371min 47.588 ug/ml
response 56018653

(17) DCB #2 (S)
5.644min 52.238 ug/ml
response 375431181

010810

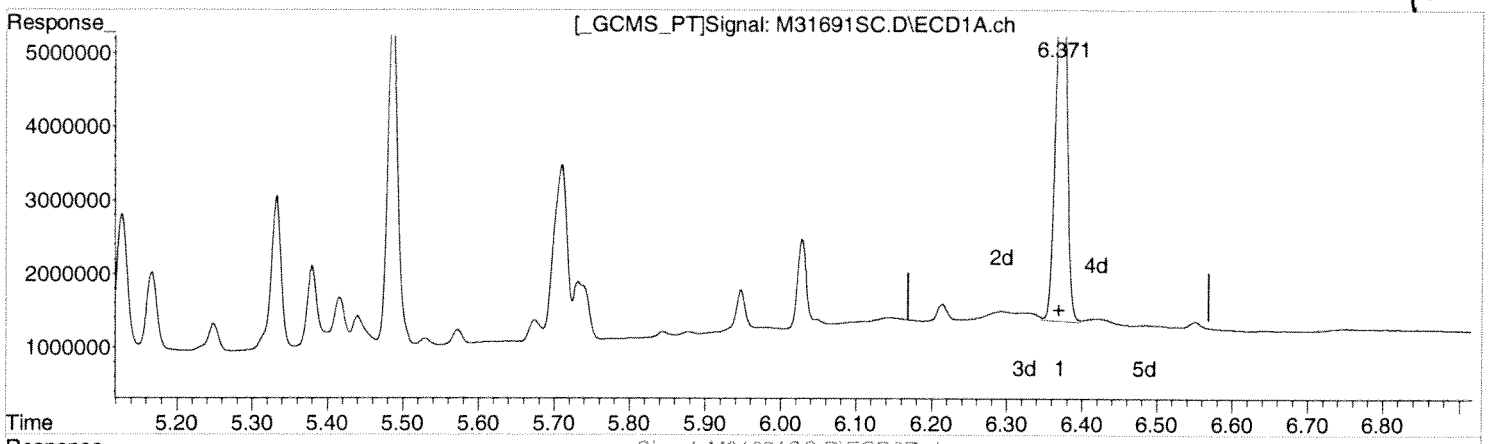
(+) = Expected Retention Time

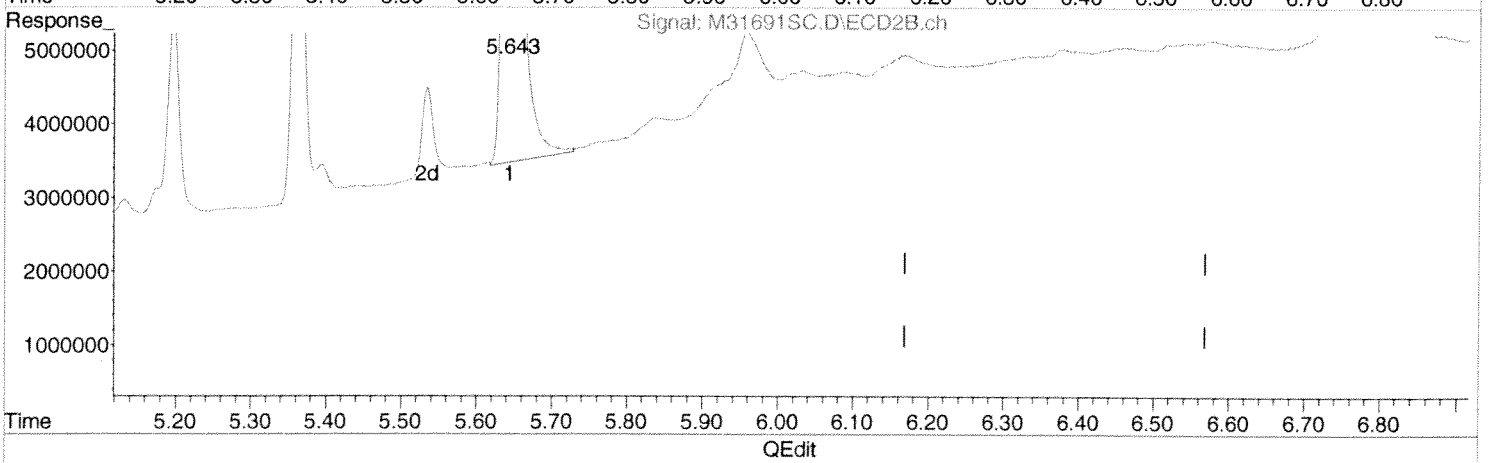
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31691SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:37 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:07:40 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10.15.10





QEdit

(17) DCB (S)
6.371min 45.758 ug/ml m
response 53864385

(17) DCB #2 (S)
5.643min 49.037 ug/ml m
response 352423262

JK 10.15.10

(+) = Expected Retention Time
PCB100910.M Fri Oct 15 12:20:35 2010

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5550 AR 1254 0.25 UG/MI
Column ID:	0.25 mm	Data File ID:	M31692SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

JL 10.15.10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.268	107		0.263	105	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

3101810

PCB FORM 7

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31692SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:48 pm
Operator : JK
Sample : P5550 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:21:24 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.15.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.136	1.802	95846444	453.7E6	52.357	52.206
Spiked Amount	100.000 Range	46 - 122	Recovery	=	52.36%	52.21%
17) S DCB	6.371	5.643	60878024	405.5E6	51.716	56.417
Spiked Amount	100.000 Range	40 - 135	Recovery	=	51.72%	56.42%
Target Compounds						
2) L1M Ar1016 A	2.464	2.015	814850	6497598	N.D.	N.D.
3) L1M Ar1016 B	3.194	2.191	1313958	1032197	N.D.	N.D.
4) L1M Ar1016 C	3.281	2.570	692157	753944	N.D.	N.D.
5) L1M Ar1016 D	3.349	2.844	10459320	31261812	0.341	0.098 #
6) L1M Ar1016 E	3.569	3.114	8127492	71157895	0.167	0.622 #
Sum Ar1016 A			18586812	102.4E6	0.467	0.677
Average Ar1016 A					0.233	0.339
7) L2M Ar1260 A	4.612	3.743	14155520	56470257	0.157	0.124
8) L2M Ar1260 B	4.784	3.960	13612754	112.5E6	0.127	0.164 #
9) L2M Ar1260 C	4.929	4.182	26772928	156.7E6	0.286	0.217
10) L2M Ar1260 D	5.141	4.269	3439045	7444788	0.021	0.009 #
11) L2M Ar1260 E	5.316	4.471	8627891	9216036	0.092	0.018 #
Sum Ar1260 A			66608139	342.3E6	0.683	0.533
Average Ar1260 A					0.137	0.107
12) L3M Ar1254 A	3.910	3.114	18820278	71157895	0.282	0.263
13) L3M Ar1254 B	4.060	3.301	20198223	136.8E6	0.274	0.263
14) L3M Ar1254 C	4.353	3.510	16296844	81093653	0.271	0.260
15) L3M Ar1254 D	4.639	3.816	23326753	127.5E6	0.258	0.264
16) L3M Ar1254 E	4.784	3.960	13612754	112.5E6	0.254	0.263
Sum Ar1254 A			92254852	529.0E6	1.339	1.313
Average Ar1254 A					0.268	0.263

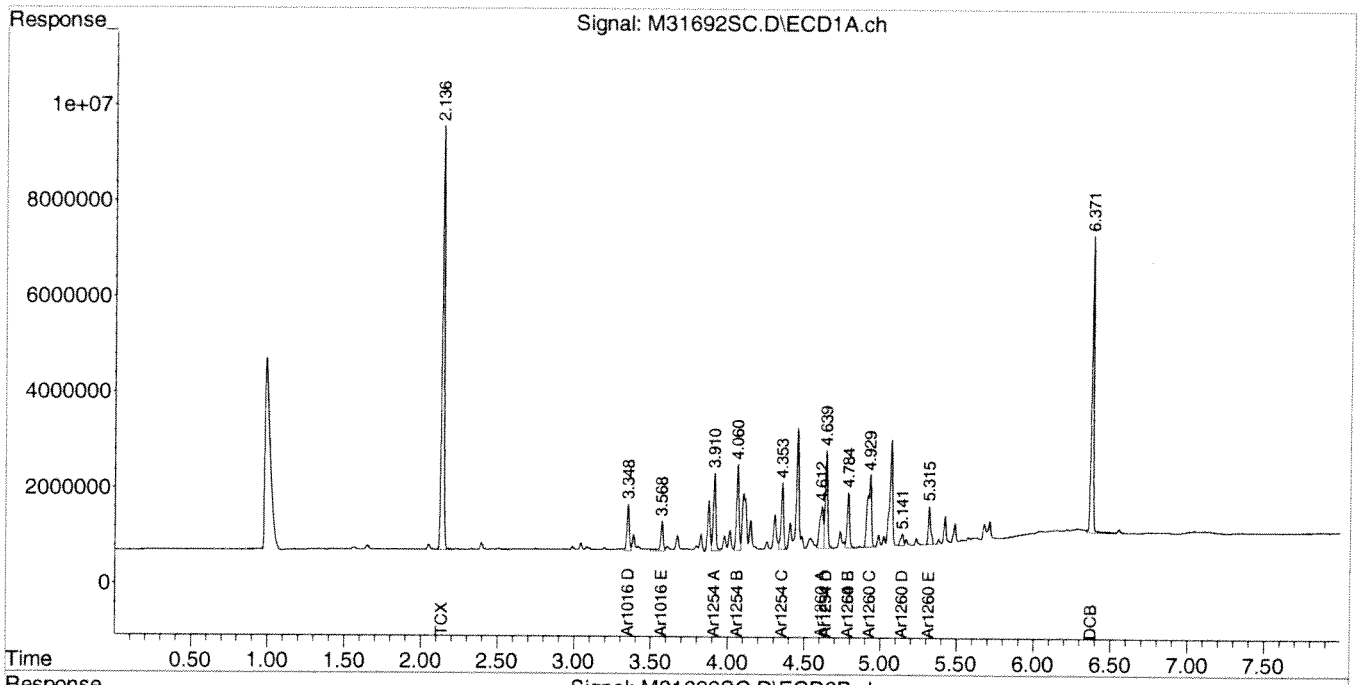
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

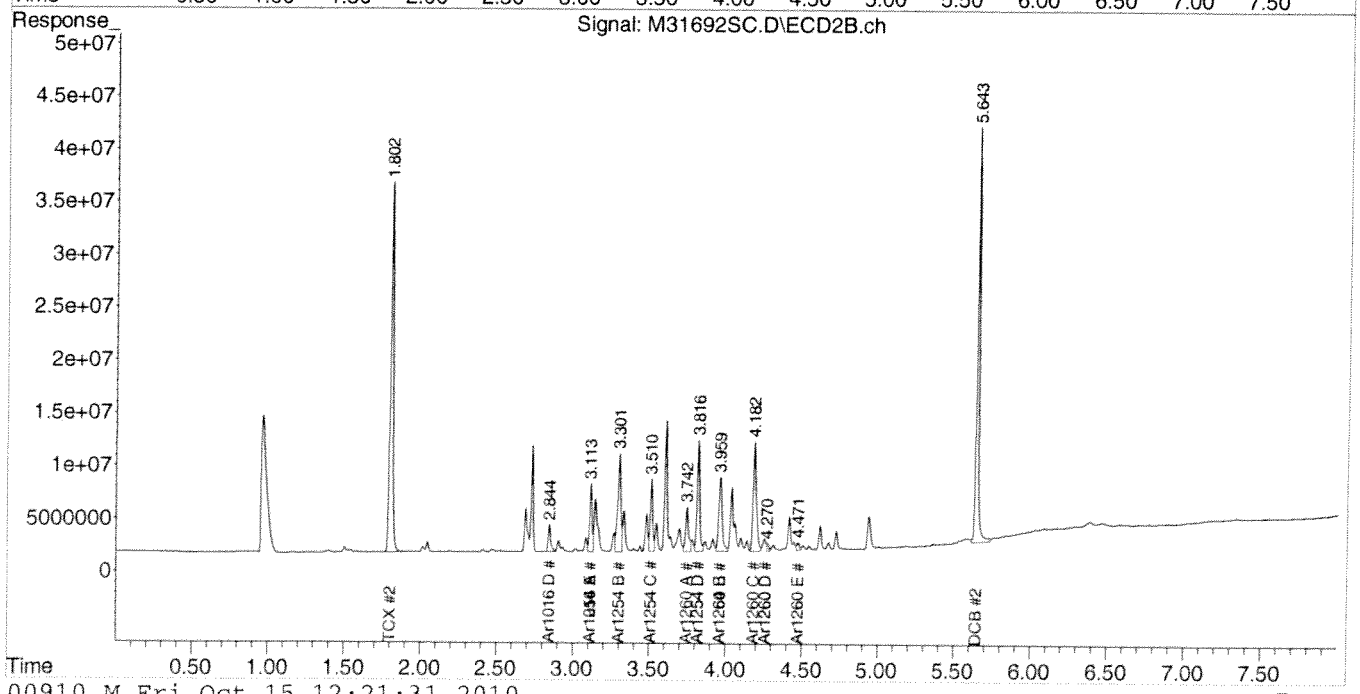
JL 10.15.10

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31692SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:48 pm
Operator : JK
Sample : P5550 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:21:24 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5544 16/60 0.5 UG/ML
Column ID:	0.25 mm	Data File ID:	M31693SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

10.15.10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				105.315	105		105.881	106	
PCB 1016				0.588	118		0.572	114	
PCB 1260				0.540	108		0.539	108	
DCB				94.930	95		104.170	104	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

10/13/10

PCB FORM 7

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31693SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:58 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:23:01 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.15.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.137	1.803	192.8E6	920.3E6	105.315	105.881
Spiked Amount	100.000 Range	46 - 122	Recovery	=	105.32%	105.88%
17) S DCB	6.370	5.643	111.7E6	748.7E6	94.930m	104.170m
Spiked Amount	100.000 Range	40 - 135	Recovery	=	94.93%	104.17%
Target Compounds						
2) L1M Ar1016 A	2.457	1.988	19198339	112.7E6	0.602	0.628
3) L1M Ar1016 B	3.200	2.192	30640253	175.4E6	0.580	0.554m
4) L1M Ar1016 C	3.281	2.569	19718140	155.4E6	0.584	0.557m
5) L1M Ar1016 D	3.349	2.845	17496024	158.0E6	0.600	0.553m
6) L1M Ar1016 E	3.568	3.114	24432003	64952336	0.573m	0.566m
Sum Ar1016 A			111.5E6	666.6E6	2.940	2.858
Average Ar1016 A					0.588	0.572
7) L2M Ar1260 A	4.613	3.743	41274855	233.3E6	0.518	0.556
8) L2M Ar1260 B	4.784	3.958	50591154	352.9E6	0.543	0.541
9) L2M Ar1260 C	4.914	4.181	48536469	370.9E6	0.546	0.528
10) L2M Ar1260 D	5.128	4.271	38755780	238.8E6	0.562	0.538
11) L2M Ar1260 E	5.332	4.471	41444119	221.0E6	0.532	0.534
Sum Ar1260 A			220.6E6	1416.9E6	2.700	2.697
Average Ar1260 A					0.540	0.539
12) L3M Ar1254 A	3.910	3.114	16545231	67460435	0.248	0.249
13) L3M Ar1254 B	4.060	3.301	14354677	91053077	0.194	0.175
14) L3M Ar1254 C	4.353	3.506	2630922	64096829	0.044	0.206 #
15) L3M Ar1254 D	4.613	3.819	41274855	26805484	0.456	0.055 #
16) L3M Ar1254 E	4.784	3.958	50591154	352.9E6	0.946	0.826
Sum Ar1254 A			125.4E6	602.3E6	1.888	1.511
Average Ar1254 A					0.378	0.302

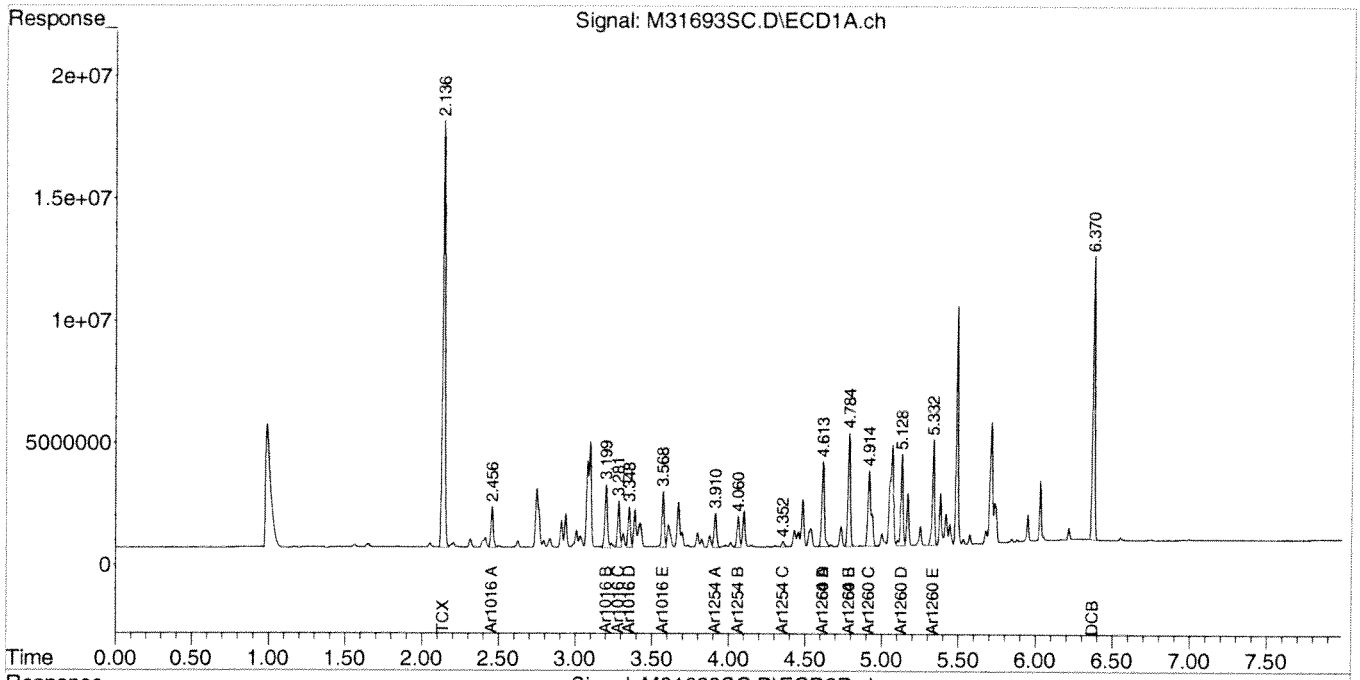
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

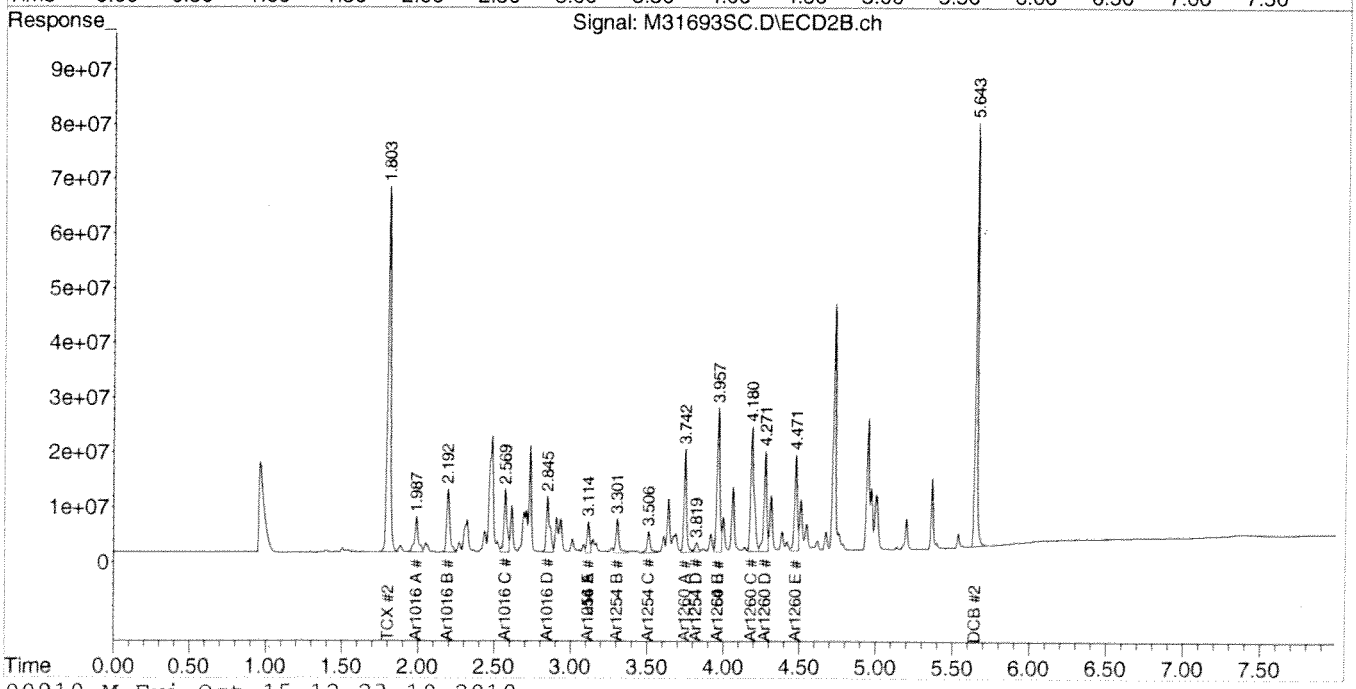
J101810

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31693SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:58 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:23:01 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



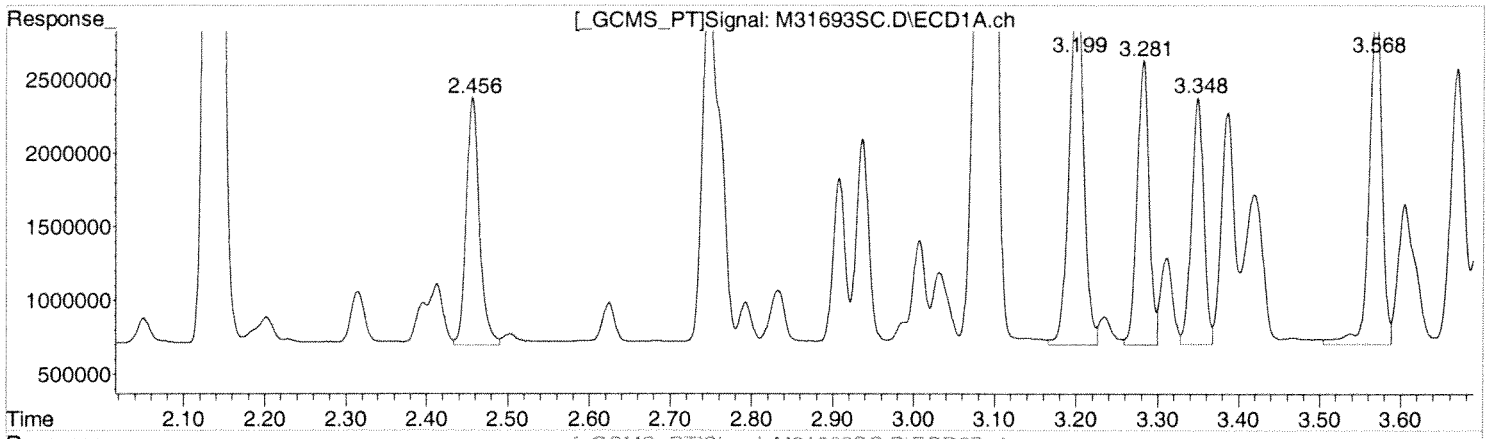


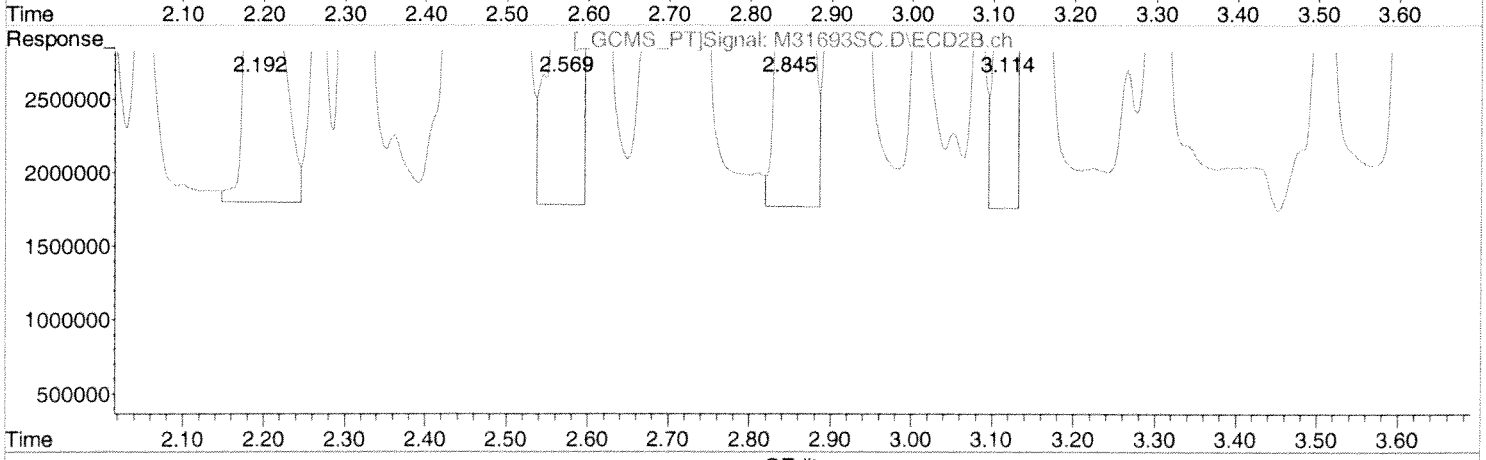
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31693SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:58 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:21:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.15.10 KEP

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





QEdit

(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.46	19198339	0.60
3.20	30640253	0.58
3.28	19718140	0.58
3.35	17496024	0.60
3.57	25685527	0.60

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	112739101	0.63
2.19	178864994	0.57
2.57	158232280	0.57
2.85	162372264	0.57
3.11	67460435	0.59

JL 101210

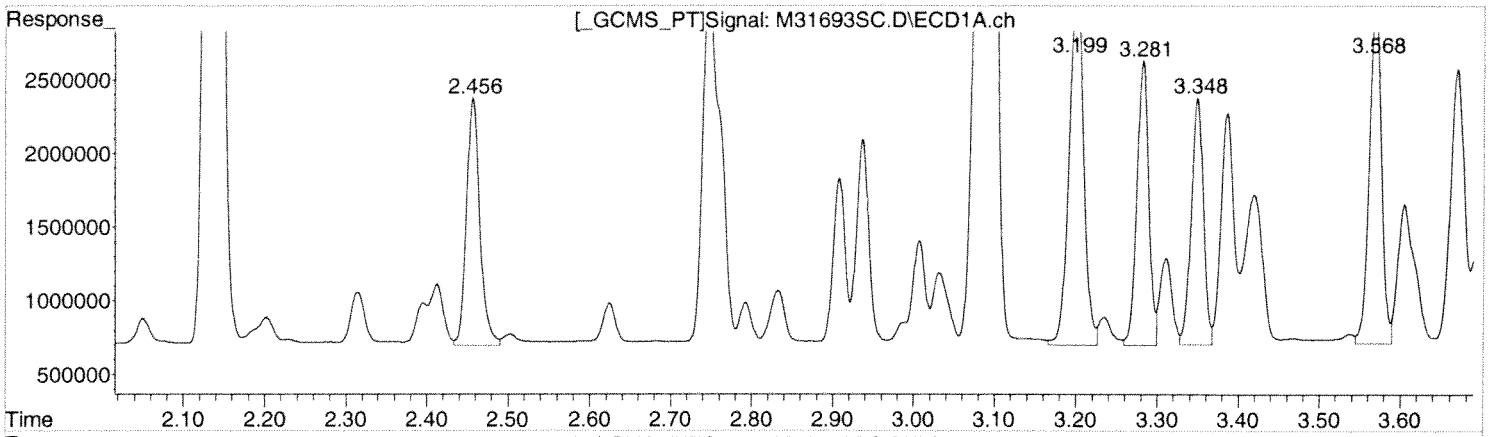
(+) = Expected Retention Time

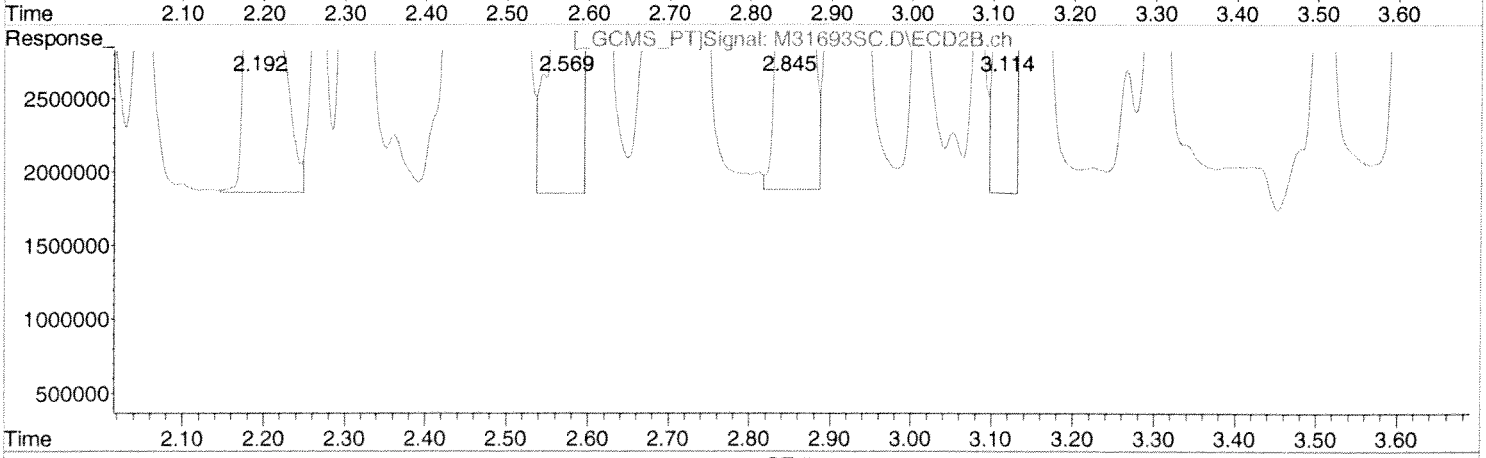
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31693SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:58 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:21:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL
10.15.10





QEdit

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.46	19198339	0.60
3.20	30640253	0.58
3.28	19718140	0.58
3.35	17496024	0.60
3.57	24432003	0.57

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	112739101	0.63
2.19	175447314	0.55
2.57	155405123	0.56
2.84	158010004	0.55
3.11	64952336	0.57

01013.D

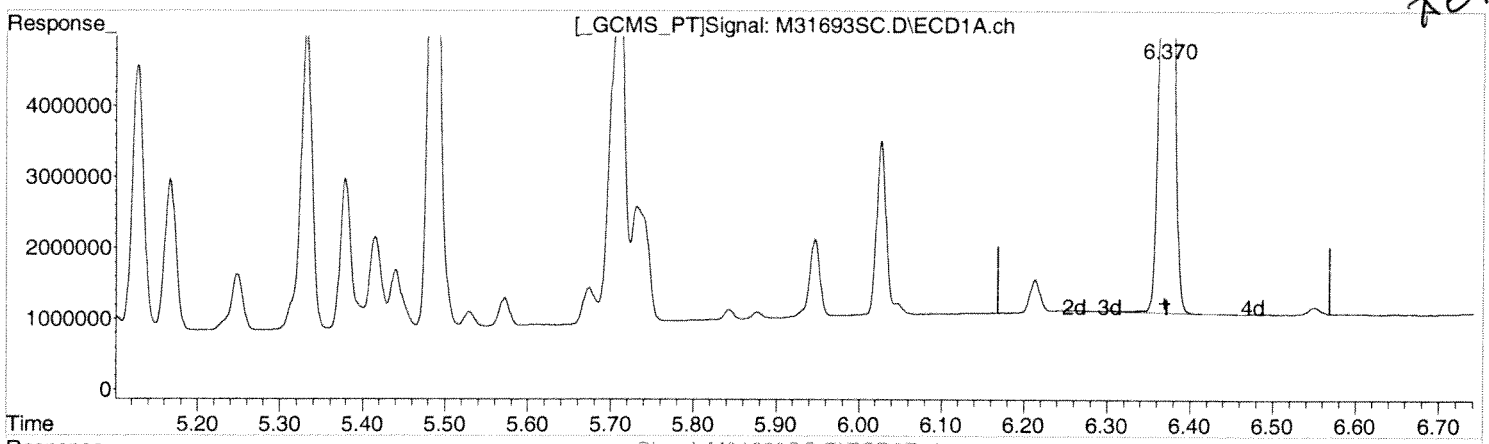
(+) = Expected Retention Time

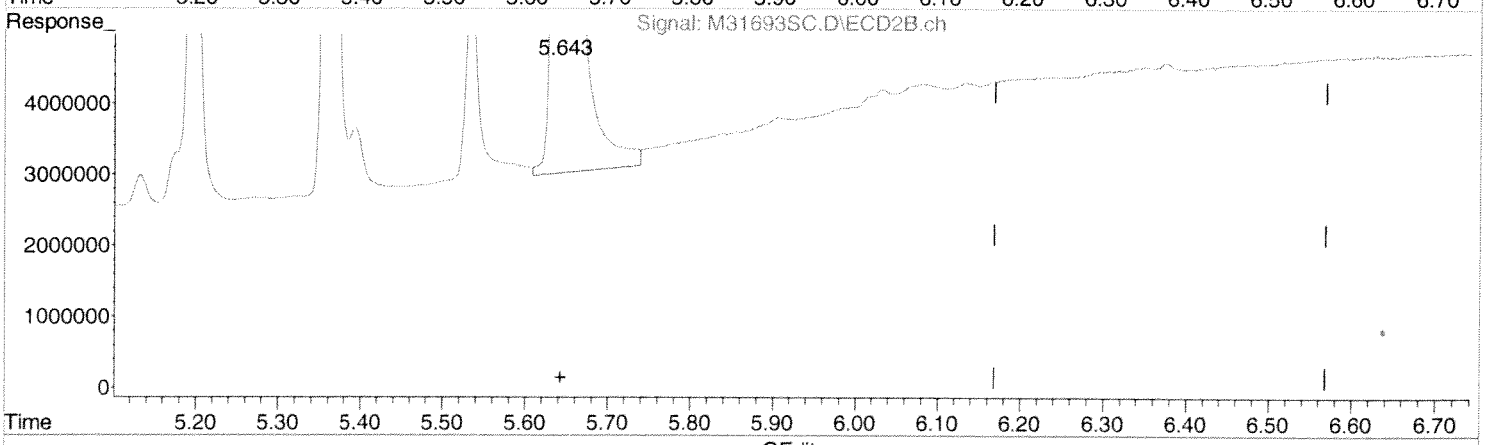
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31693SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:58 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:21:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.15.10 KEA





QEdit

(17) DCB (S)
6.371min 95.278 ug/ml
response 112156304

(17) DCB #2 (S)
5.644min 105.964 ug/ml
response 761548100

10/18/10

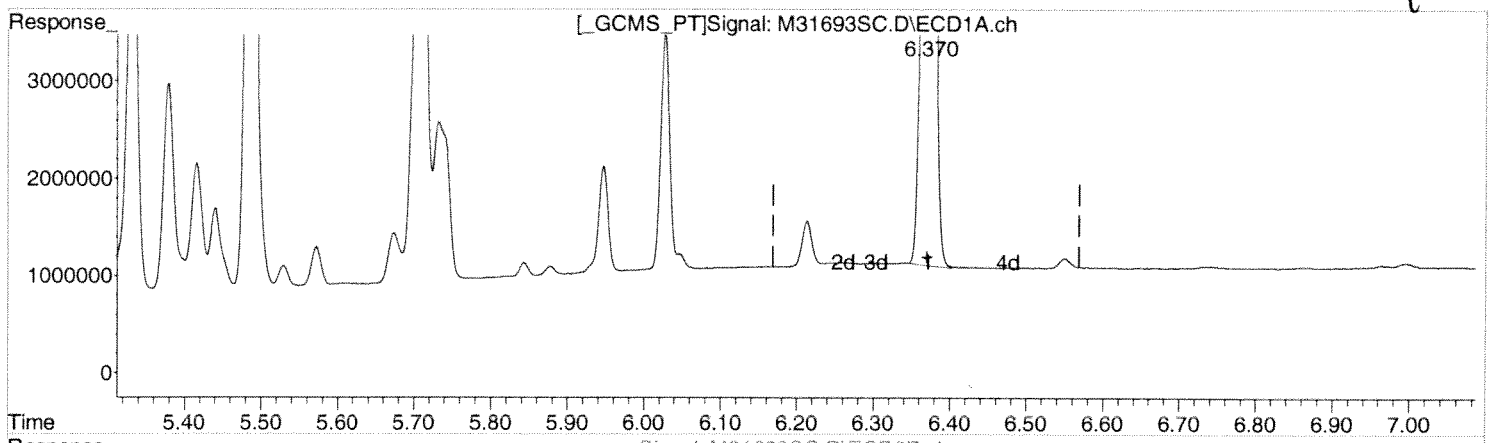
(+) = Expected Retention Time

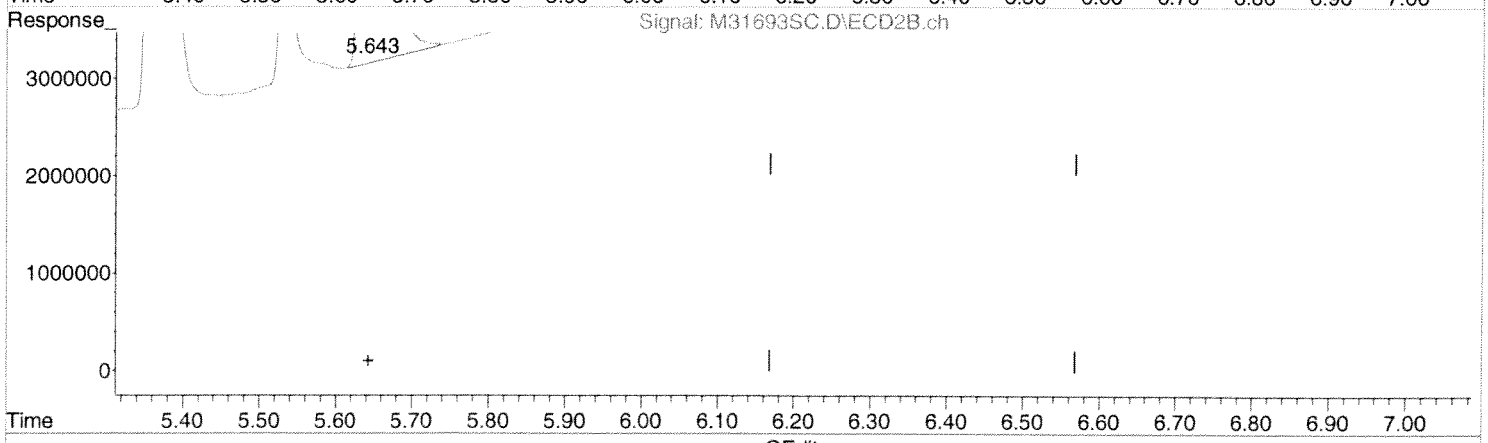
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31693SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 1:58 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:21:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10.15.10





QEdit

(17) DCB (S)

6.370min 94.930 ug/ml m

response 111747098

(17) DCB #2 (S)

5.643min 104.170 ug/ml m

response 748657893

010810

(+) = Expected Retention Time

PCB
CONTINUING CALIBRATION

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5552 AR 1254 0.5 UG/ML
Data File ID: M31694SC.D

OK 10.15.10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.580	116		0.523	105	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

Column to be used to Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

2101813

PCB FORM 7

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31694SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 2:08 pm
Operator : JK
Sample : P5552 AR 1254 0.5 UG/ML
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:24:43 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10-15-V

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.137	1.804	197.8E6	938.3E6	108.042	107.954
Spiked Amount	100.000	Range	46 - 122	Recovery	= 108.04%	107.95%
17) S DCB	6.370	5.644	122.2E6	828.9E6	103.818	115.332
Spiked Amount	100.000	Range	40 - 135	Recovery	= 103.82%	115.33%
Target Compounds						
2) L1M Ar1016 A	2.460	2.016	460467	12985655	N.D.	0.030 #
3) L1M Ar1016 B	3.195	2.194	1006832	1846654	N.D.	N.D.
4) L1M Ar1016 C	3.349	2.571	27055076	978762	0.813	N.D. #
5) L1M Ar1016 D	3.349	2.845	27055076	60652264	0.953	0.203 #
6) L1M Ar1016 E	3.569	3.114	13298466	141.7E6	0.296	1.260 #
Sum Ar1016 A			67408618	215.4E6	2.012	1.463
Average Ar1016 A					0.671	0.488
7) L2M Ar1260 A	4.639	3.743	76598818	108.5E6	0.989	0.251 #
8) L2M Ar1260 B	4.784	3.960	26481812	217.8E6	0.272	0.329
9) L2M Ar1260 C	4.928	4.182	53104048	323.7E6	0.600	0.460
10) L2M Ar1260 D	5.140	4.250	9508897	40913520	0.114	0.086
11) L2M Ar1260 E	5.317	4.472	17710466	15491649	0.214	0.033 #
Sum Ar1260 A			183.4E6	706.4E6	2.188	1.159
Average Ar1260 A					0.438	0.232
12) L3M Ar1254 A	3.911	3.114	34567165	141.7E6	0.518	0.523
13) L3M Ar1254 B	4.061	3.301	38117178	274.1E6	0.516	0.527
14) L3M Ar1254 C	4.354	3.511	31428408	164.4E6	0.522	0.527
15) L3M Ar1254 D	4.639	3.816	76598818	254.9E6	0.846	0.527 #
16) L3M Ar1254 E	4.784	3.960	26481812	217.8E6	0.495	0.510
Sum Ar1254 A			207.2E6	1053.0E6	2.898	2.614
Average Ar1254 A					0.580	0.523

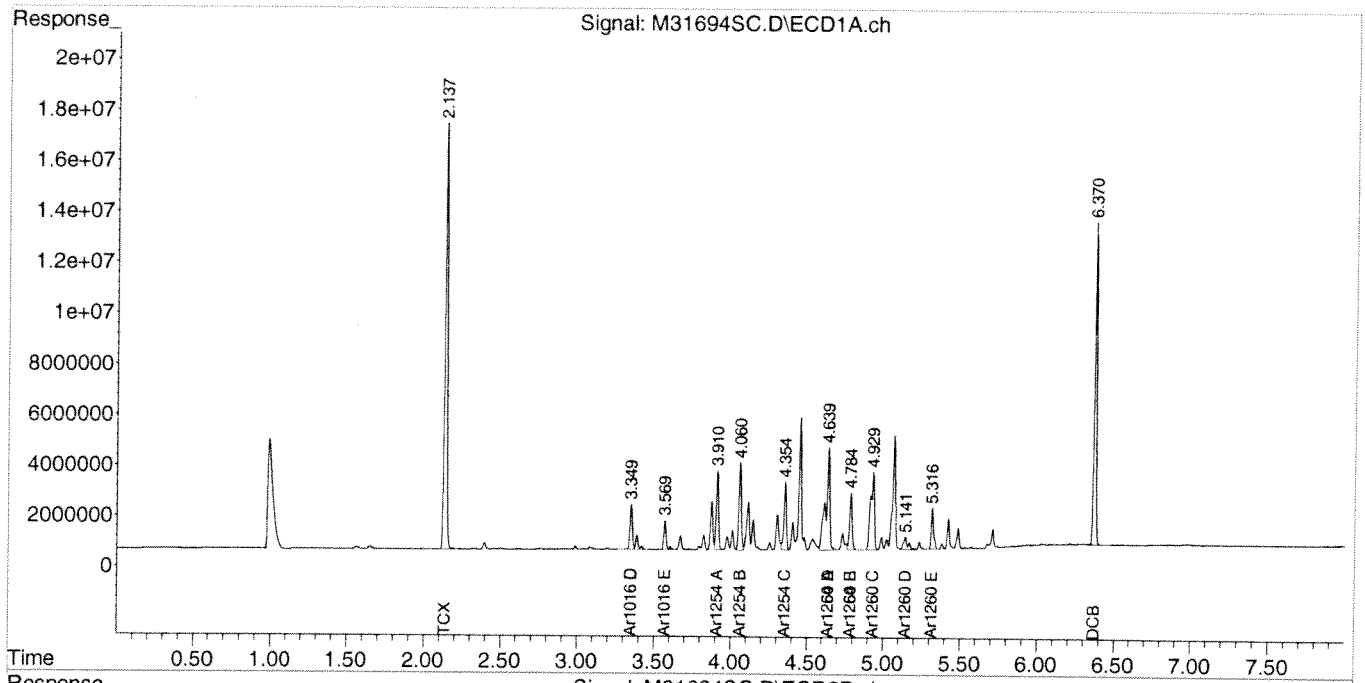
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

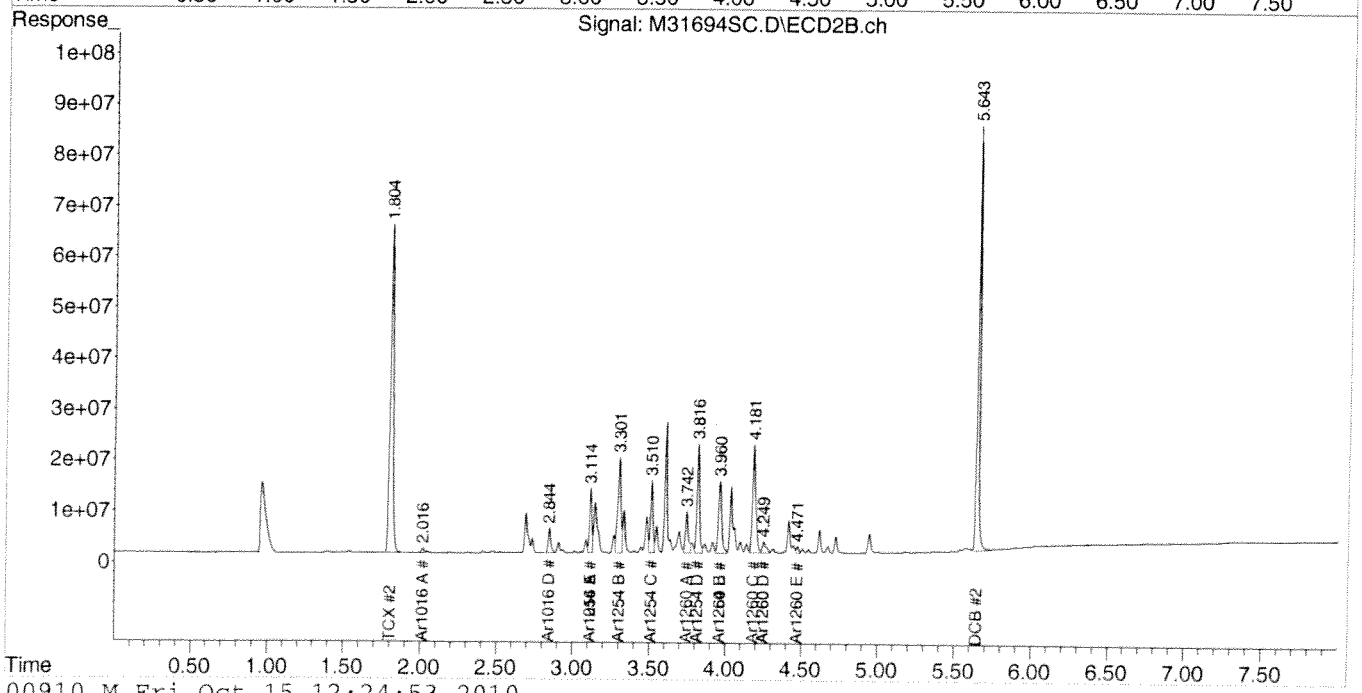
101010

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31694SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Oct 2010 2:08 pm
Operator : JK
Sample : P5552 AR 1254 0.5 UG/ML
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 15 12:24:43 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5544 16/60 0.5 UG/ML	M31537SI.D	10/9/2010 13:11	2.13		6.37		1.80		5.64	
Upper Limit			2.19		6.40		1.86		5.67	
Lower limit			2.07		6.34		1.74		5.61	
SAMPLE ID										
P5538 16/60 0.02 UG/ML	M31533SI.D	10/9/2010 12:30	2.13		6.37		1.80		5.64	
P5539 16/60 0.05 UG/ML	M31534SI.D	10/9/2010 12:40	2.13		6.37		1.80		5.64	
P5540 16/60 0.1 UG/ML	M31535SI.D	10/9/2010 12:50	2.13		6.37		1.80		5.64	
P5542 16/60 0.25 UG/ML	M31536SI.D	10/9/2010 13:01	2.13		6.37		1.80		5.64	
P5544 16/60 0.5 UG/ML	M31537SI.D	10/9/2010 13:11	2.13		6.37		1.80		5.64	
P5485 16/60 0.75 UG/ML	M31538SI.D	10/9/2010 13:21	2.13		6.37		1.80		5.64	
P5545 16/60 1.0 UG/ML	M31539SI.D	10/9/2010 13:31	2.13		6.37		1.80		5.64	
P5546 16/60 2.0 UG/ML	M31540SI.D	10/9/2010 13:42	2.13		6.37		1.80		5.64	
P5549 16/60 ICV 0.5 UG/ML	M31541CC.D	10/9/2010 13:52	2.13		6.37		1.80		5.64	
P5489 AR 1254 0.0625 UG/M	M31542SI.D	10/9/2010 14:02	2.14		6.37		1.80		5.64	
P5490 AR 1254 0.125 UG/ML	M31543SI.D	10/9/2010 14:12	2.14		6.37		1.80		5.64	
P5491 AR 1254 0.25 UG/ML	M31544SI.D	10/9/2010 14:23	2.14		6.37		1.80		5.64	
P5552 AR 1254 0.5 UG/ML	M31545SI.D	10/9/2010 14:33	2.13		6.37		1.80		5.64	
P5495 AR 1254 1.0 UG/ML	M31546SI.D	10/9/2010 14:43	2.13		6.37		1.80		5.64	
P5496 AR 1254 2.0 UG/ML	M31547SI.D	10/9/2010 14:54	2.13		6.37		1.80		5.64	
P5498 AR 1254 ICV 0.5 UG/M	M31548CC.D	10/9/2010 15:04	NA		NA		NA		NA	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

PCB
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5542 16/60 0.25 UG/ML	M31679SC.D	10/13/2010 10:57	2.14		6.39		1.80		5.65	
Upper Limit			2.20		6.42		1.86		5.68	
Lower limit			2.08		6.36		1.74		5.62	
SAMPLE ID										
P5550 AR 1254 0.25 UG/ML	M31680SC.D	10/13/2010 11:08	2.14		6.37		1.80		5.64	
B100810PSOX2,,A/C	M31681B.D	10/13/2010 11:55	2.14		6.40		1.80		5.65	
L100810PSOX2,,A/C	M31682Q.D	10/13/2010 12:05	2.14		6.38		1.80		5.65	
LD100810PSOX2,,A/C	M31683Q.D	10/13/2010 12:15	2.14		6.37		1.80		5.64	
67967-1,,A/C	M31685.D	10/13/2010 12:36	2.14		6.37		1.80		5.64	
67967-2,,A/C	M31686.D	10/13/2010 12:46	2.14		6.37		1.80		5.64	
67967-3,,A/C	M31687.D	10/13/2010 12:56	2.14		6.37		1.80		5.64	
67967-3,MS,,A/C	M31688SP.D	10/13/2010 13:07	2.14		6.37		1.80		5.64	
67967-3,MSD,,A/C	M31689SP.D	10/13/2010 13:17	2.14		6.37		1.80		5.64	
67967-4,,A/C	M31690.D	10/13/2010 13:27	2.14		6.37		1.80		5.64	
P5542 16/60 0.25 UG/ML	M31691SC.D	10/13/2010 13:37	2.14		6.37		1.80		5.64	
P5550 AR 1254 0.25 UG/ML	M31692SC.D	10/13/2010 13:48	2.14		6.37		1.80		5.64	
P5544 16/60 0.5 UG/ML	M31693SC.D	10/13/2010 13:58	2.14		6.37		1.80		5.64	
P5552 AR 1254 0.5 UG/ML	M31694SC.D	10/13/2010 14:08	2.14		6.37		1.80		5.64	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

PESTICIDE
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID: B101310PAS
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/13/10
Analysis Date: 10/16/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Lab QC

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	79	%
Decachlorobiphenyl	61	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20089B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 8:49 am
Operator : AR
Sample : B101310PAS
Misc : SOIL
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:04 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

ND Pest
10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
1) S TCX	1.973	1.653	279.9E6	539.6E6	78.753	76.869	
Spiked Amount 100.000	Range	40 - 130	Recovery	=	78.75%	76.87%	
23) S DCB	6.203	5.496	123.1E6	309.7E6	61.050	56.213	
Spiked Amount 100.000	Range	40 - 130	Recovery	=	61.05%	56.21%	
Target Compounds							
2) TM HEXACHLOR...	2.298	1.860	48906288	127.1E6	10.916	15.398	#
3) TM A-BHC	2.298f	1.860f	48906288	127.1E6	9.150	11.309	
4) TM G-BHC	2.651	0.000	2335277	0	0.325	N.D	#
6) TM D-BHC	2.852f	0.000	3275170	0	0.748	N.D.	#
8) TM ALDRIN	3.278	2.554f	1581370	297.4E6	N.D.	31.840	
10) TM G-CHLORDANE	3.891	3.145	73609523	1893792	11.792	N.D.	#
13) TM 4,4-DDE	0.000	3.321	0	2277424	N.D.	0.987	#
18) TM 4,4-DDT	4.886	3.988	4457862	5309171	1.046	0.617	#
19) TM ENDRIN AL...	4.985	4.225	11851052	22685699	3.201	2.641	
22) TM ENDRIN KE...	5.522	4.823	2685502	11001802	N.D.	0.333	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

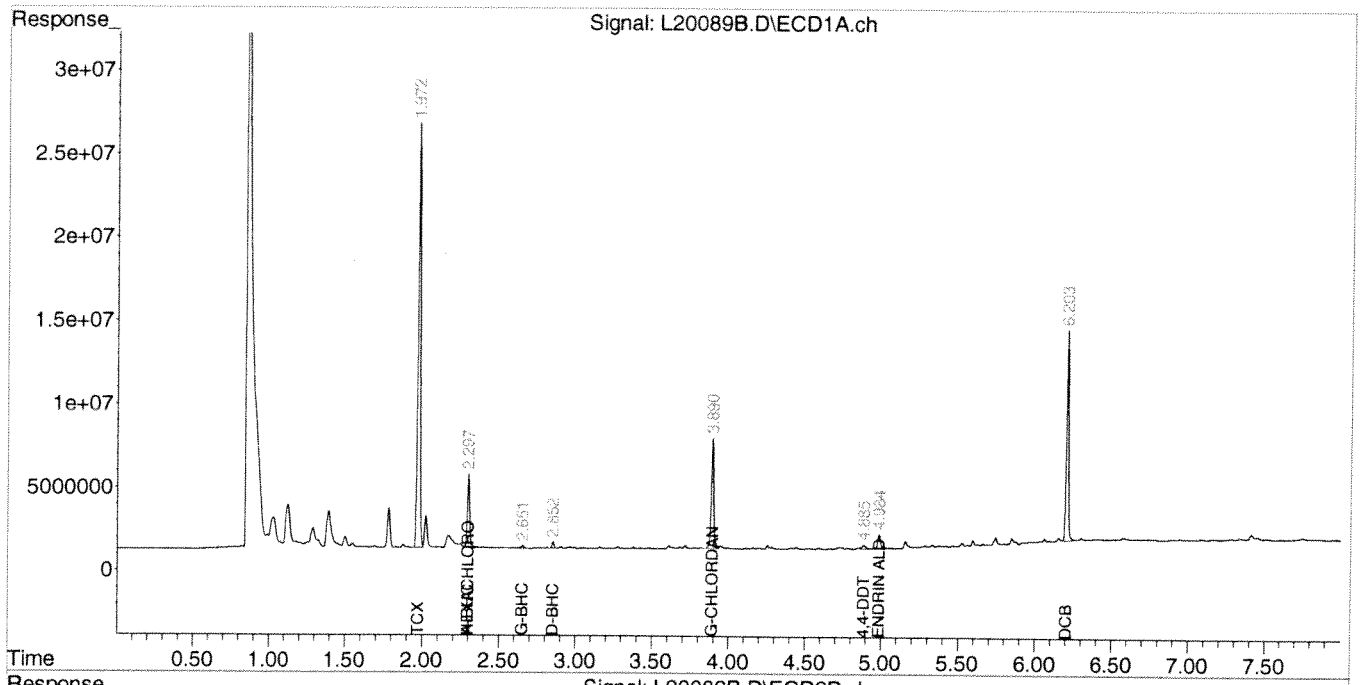
10/18/10

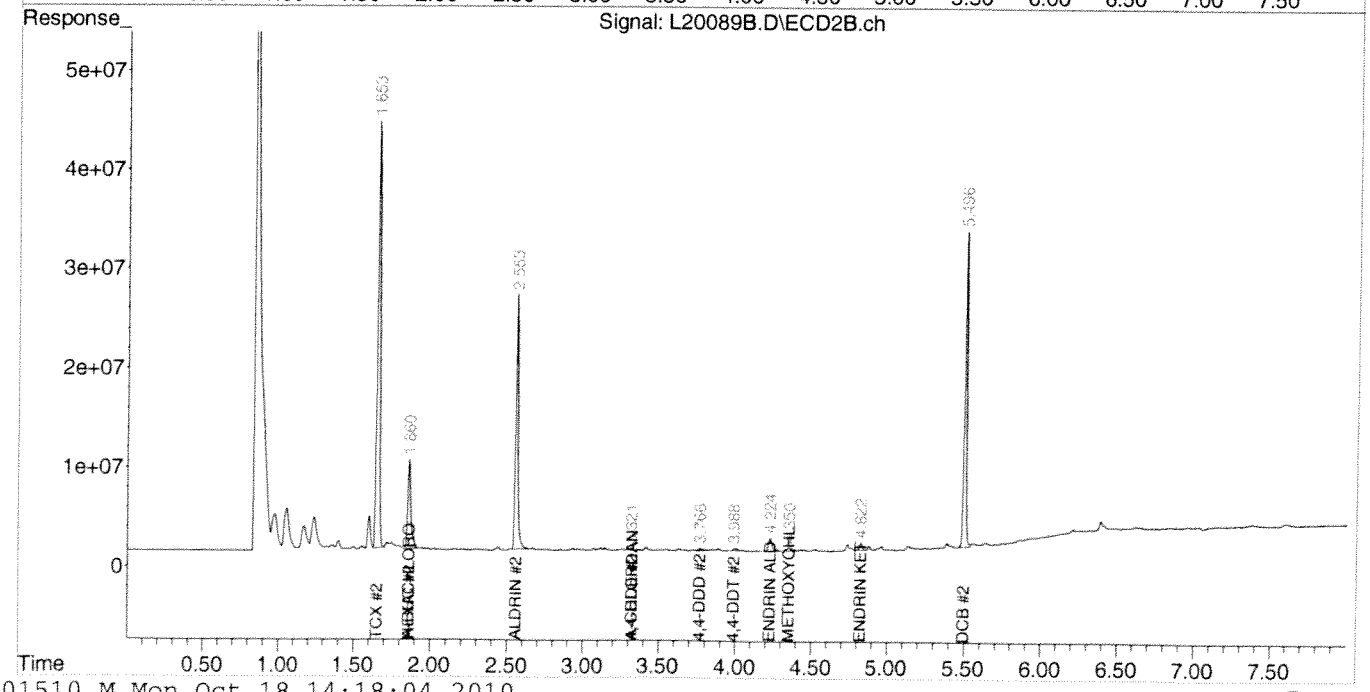
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20089B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 8:49 am
Operator : AR
Sample : B101310PAS
Misc : SOIL
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:04 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20089B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 8:49 am
Operator : AR
Sample : B101310PAS
Misc : SOIL
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 14:22:57 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

ND CH
JW 10.18.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.903	2.348	1374813	739749	N.D.	0.004 #
2) L1M Chlordane-2	2.964	2.435	2237437	5200521	0.001	0.015 #
3) L1M Chlordane-3	3.377	2.737	1050592	699564	N.D.	N.D.
4) L1M Chlordane-4	3.778	3.071	1562956	2594882	0.025	0.011 #
5) L1M G-Chlordane	3.994	3.167	1257568	959993	N.D.	0.003 #
6) L1M A-Chlordane	3.994	3.256	1257568	2666785	N.D.	0.003 #
Sum Chlordane-1			3800392	12161930	0.008	0.033
Average Chlordane-1					0.004	0.007
7) L2M Toxaphene-1	4.410	3.500	1498262	1451173	0.034	0.015 #
8) L2M Toxaphene-2	4.736	3.549	3164548	2077165	0.033	0.014 #
9) L2M Toxaphene-3	4.736	3.766	3164548	4832457	0.040	0.016 #
10) L2M Toxaphene-4	4.782	3.884	879826	3963060	0.010	0.016 #
11) L2M Toxaphene-5	4.985	4.164	13451561	310622	0.118	0.007 #
12) L2M Toxaphene-6	5.377	4.429	2052511	1465923	0.050	0.016 #
13) L2M Toxaphene-7	5.421	4.518	1046674	3626560	0.057	0.020 #
Sum Toxaphene-1			25257930	17726961	0.342	0.104
Average Toxaphene-1					0.049	0.015

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

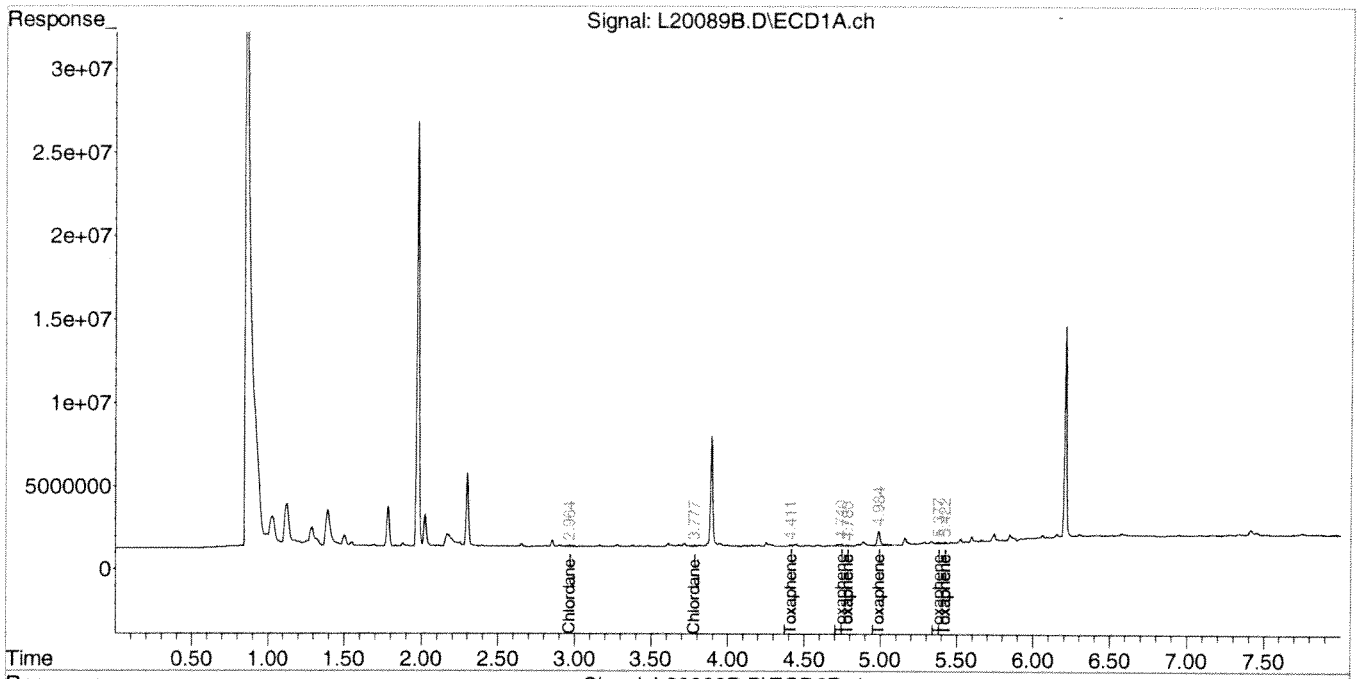
10/18/10

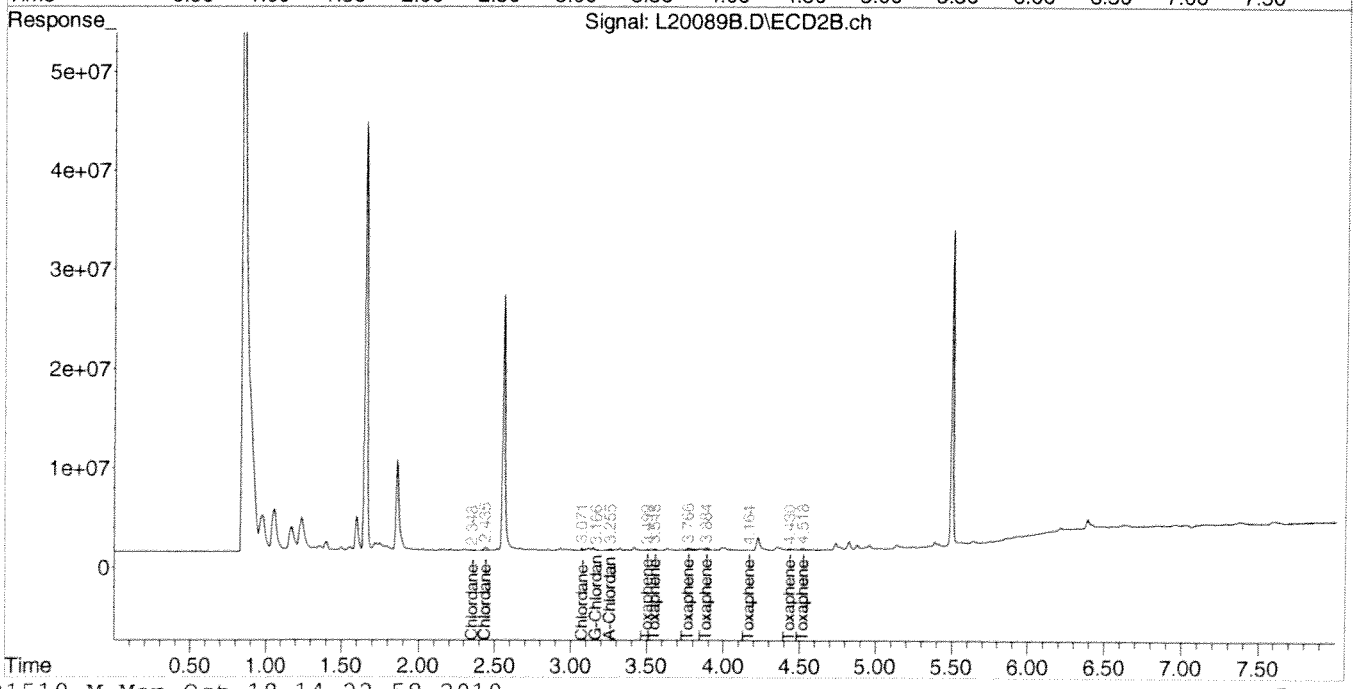
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20089B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 8:49 am
Operator : AR
Sample : B101310PAS
Misc : SOIL
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 14:22:57 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 10.18.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: Lab QC

Lab Sample ID: B101310PAS RR
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/13/10
Analysis Date: 10/18/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	78	%
Decachlorobiphenyl	61	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20110B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:47 pm
Operator : MAG/JLL
Sample : B101310PAS, RR
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:39 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

MN 10/18/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	1.981	1.657	276.5E6	531.2E6	77.785 ✓	75.648
Spiked Amount	100.000 Range	46 - 122	Recovery	=	77.78% ✓	75.65%
23) S DCB	6.206	5.496	123.9E6	378.5E6	61.485	68.470
Spiked Amount	100.000 Range	40 - 135	Recovery	=	61.48% ✓	68.47%
Target Compounds						
2) TM HEXACHLOR...	2.306	1.863	46161223	97106459	~~10.221~~	~~11.651~~
3) TM A-BHC	2.306f	1.892	46161223	900.1E6	~~8.639~~	~~81.203~~ #
4) TM G-BHC	2.660	2.162	1973568	5358039	~~0.250~~	~~0.201~~
6) TM D-BHC	2.970	2.291	8726858	2215998	~~1.876~~	~~0.033~~ #
7) TM HEPTACHLOR	2.970	2.436	8726858	2668093	~~1.271~~	~~N.D.~~ #
8) TM ALDRIN	3.290	2.555f	9839609	20331.8E6	~~1.425~~	~~2251.507~~ #
10) TM G-CHLORDANE	3.898	3.174	4174.1E6	9926215	~~1128.852~~	~~0.592~~ #
11) TM A-CHLORDANE	0.000	3.231	0	25485823	~~N.D.~~	~~3.174~~ #
12) TM ENDOSULFAN I	0.000	3.365	0	21261656	~~N.D.~~	~~0.337~~ #
13) TM 4,4-DDE	0.000	3.321	0	30996767	~~N.D.~~	~~4.641~~ #
14) TM DIELDRIN	4.282	3.550	3533749	31485625	~~N.D.~~	~~2.647~~
15) TM ENDRIN	0.000	3.768	0	37647896	~~N.D.~~	~~3.618~~ #
16) TM 4,4-DDD	4.666	3.768	6427512	37647896	~~0.696~~	~~5.498~~ #
17) TM ENDOSULFA...	4.666	3.883	6427512	69737143	~~N.D.~~	~~7.540~~
18) TM 4,4-DDT	4.891	4.006	4536487	21878001	~~1.071~~	~~2.762~~ #
19) TM ENDRIN AL...	4.988	4.221	7544696	22540344	~~1.283~~	~~2.614~~ #
21) TM METHOXYCHLOR	5.376	4.337f	934980	13207614	~~N.D.~~	~~1.982~~
22) TM ENDRIN KE...	5.525	4.822	112.4E6	18462118	~~33.750~~	~~1.268~~ #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

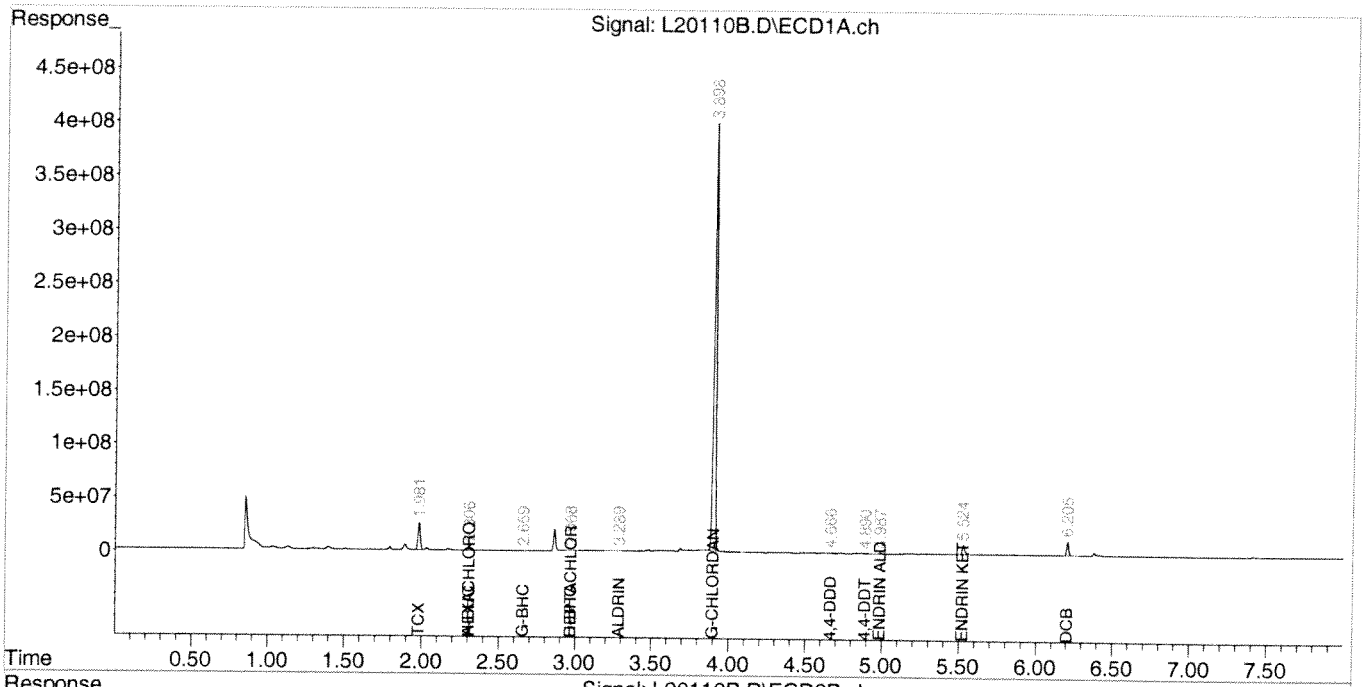
ND

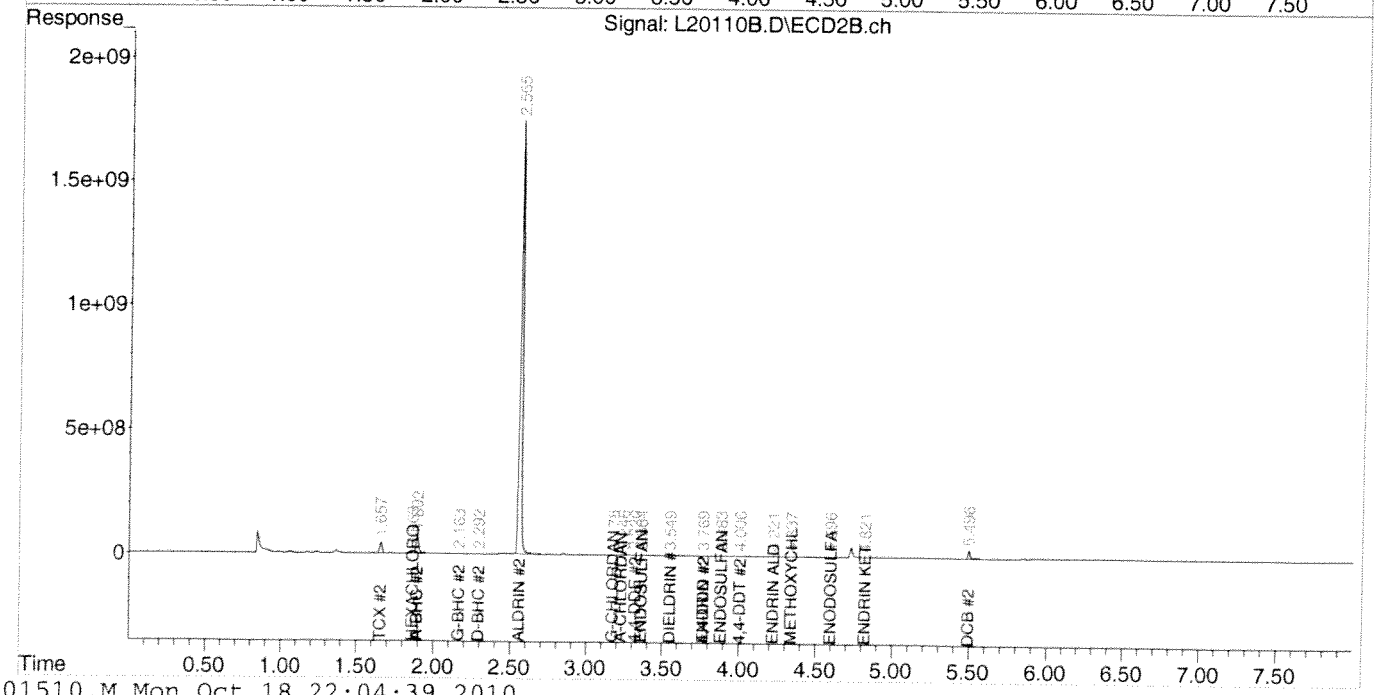
10.19.10

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20110B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:47 pm
Operator : MAG/JLL
Sample : B101310PAS, RR
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:39 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20110B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:47 pm
Operator : MAG/JLL
Sample : B101310PAS, RR
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 22:30:11 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Mon Oct 18 22:29:46 2010
Response via : Initial Calibration
Integrator: ChemStation

MN 10/18/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
Target Compounds							
1) L1M Chlordane-1	2.861	2.377	261.5E6	2307327	1.815	0.010	#
2) L1M Chlordane-2	2.970	2.436	31004919	8250322	0.159	0.022	#
3) L1M Chlordane-3	3.387	2.744	50983290	17191426	0.330	0.057	#
4) L1M Chlordane-4	3.726	2.983	34580373	10778037	0.213	0.043	#
5) L1M G-Chlordane	3.898	3.174	4531.5E6	13070314	10.735	0.014	#
6) L1M A-Chlordane	3.898	3.231	4531.5E6	27696568	12.384	0.017	#
Sum Chlordane-1			9441.0E6	79293994	25.637	0.163	
Average Chlordane-1					4.273	0.027	
7) L2M Toxaphene-1	4.403	3.492	11075366	27746154	0.200	0.232	
8) L2M Toxaphene-2	4.726	3.550	15750258	21215129	0.161	0.180	
9) L2M Toxaphene-3	4.784	3.768	6828657	40742595	0.081	0.120	#
10) L2M Toxaphene-4	4.784	3.883	6828657	54229945	0.047	0.183	#
11) L2M Toxaphene-5	4.988	4.160	21037131	21154919	0.181	0.081	#
12) L2M Toxaphene-6	5.376	4.424	4035965	14143233	0.087	0.059	#
13) L2M Toxaphene-7	5.424	4.505	5753345	23524054	0.151	0.101	#
Sum Toxaphene-1			71309380	202.8E6	0.907	0.957	
Average Toxaphene-1					0.130	0.137	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

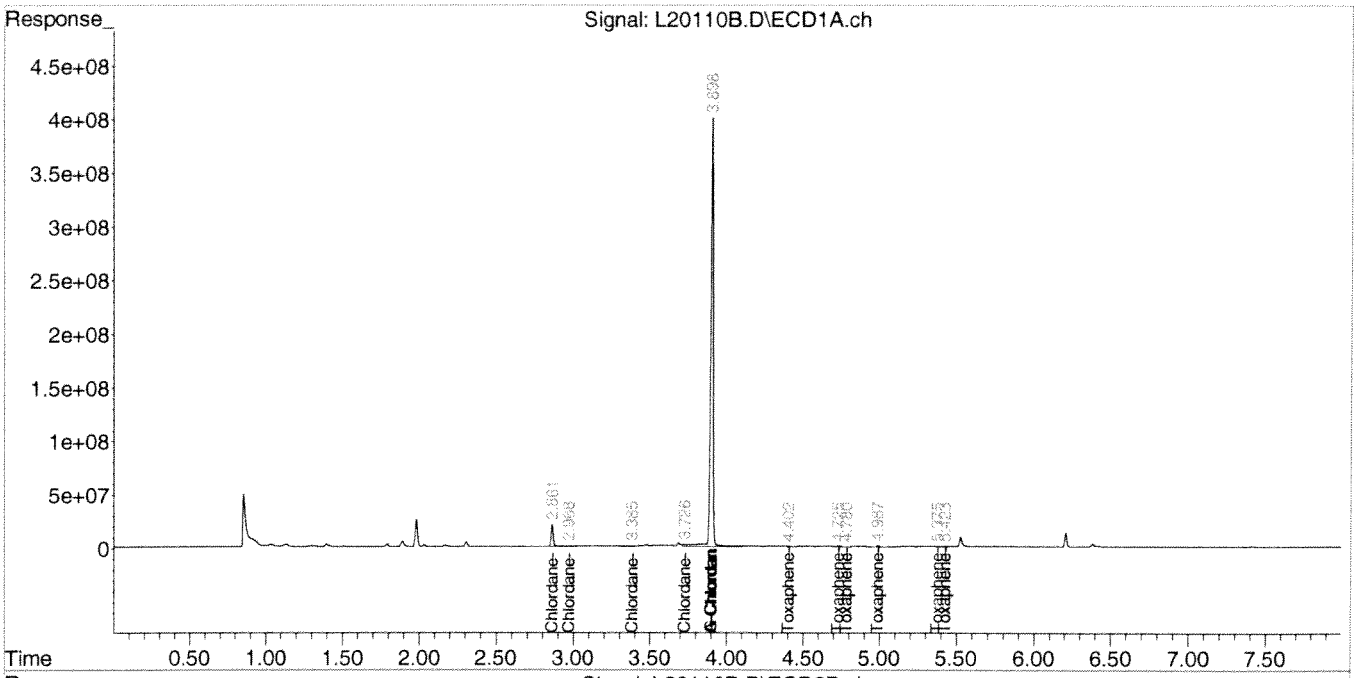
ND

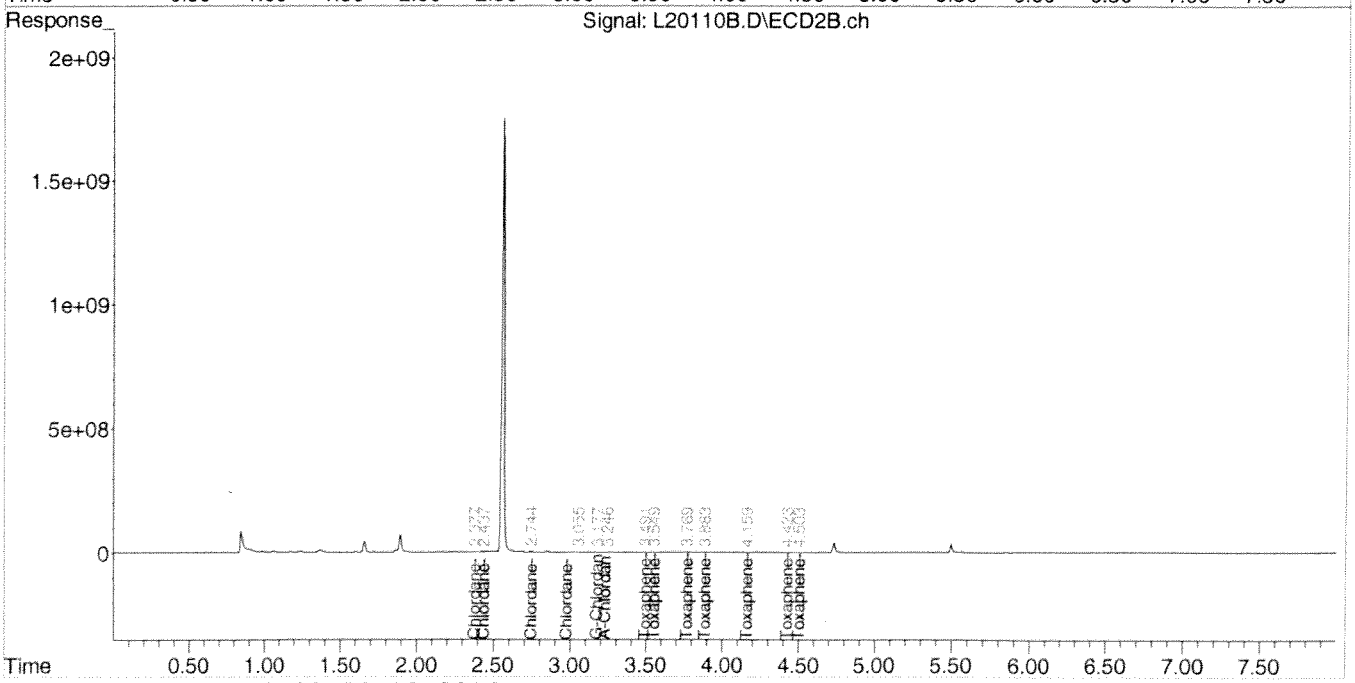
VS 10-19-10

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20110B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:47 pm
Operator : MAG/JLL
Sample : B101310PAS, RR
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 22:30:11 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Mon Oct 18 22:29:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Percent Solid: 79
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/16/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-DC-01

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	6	U	Endosulfan II	6	U
b-BHC	6	U	4,4'-DDD	6	U
d-BHC	6	U	Endosulfan Sulfate	6	U
g-BHC	6	U	4,4'-DDT	6	U
Heptachlor	6	U	Methoxychlor	18	U
Aldrin	6	U	Endrin Ketone	6	U
Heptachlor Epoxide	6	U	Endrin Aldehyde	6	U
Endosulfan I	6	U	alpha-Chlordane	6	U
Dieldrin	6	U	gamma-Chlordane	6	U
4,4'-DDE	6	U	Toxaphene	79	U
Endrin	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	54	%
Decachlorobiphenyl	65	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20093.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 9:30 am
Operator : AR
Sample : 67967-1
Misc : SOIL
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:12 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

Contains DDE + DDD
JL 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	1.974	1.655	195.0E6	376.7E6	54.466	53.358
Spiked Amount 100.000	Range	40 - 130	Recovery	=	54.47% ✓	53.36% ✓
23) S DCB	6.204	5.496	130.0E6	204.4E6	64.578	37.443 #
Spiked Amount 100.000	Range	40 - 130	Recovery	=	64.58% ✓	37.44%# ↓
Target Compounds						
2) TM HEXACHLOR...	2.298	1.890	4845527	1775.2E6	N.D.	221.183
3) TM A-BHC	2.389	1.974	3070448	18204064	0.607	1.461 #
4) TM G-BHC	2.645	2.163	20956884	5429082	4.185	0.208 #
5) TM B-BHC	2.645f	2.210	20956884	22139954	8.249	3.058 #
6) TM D-BHC	2.854f	2.302	391.9E6	4797515	81.178	0.290 #
8) TM ALDRIN	3.278	2.554f	2008834	12254.2E6	N.D.	1356.574
10) TM G-CHLORDANE	3.892	3.160	2763.3E6	31478839	744.516	3.053 #
11) TM A-CHLORDANE	3.997	3.259	3000816	11288655	N.D.	1.505
13) TM 4,4-DDE	4.132	3.329	12737403	19119763	2.594	3.130 <LS
14) TM DIELDRIN	4.277	3.546	20289260	17057493	4.284	0.984 #
15) TM ENDRIN	4.622f	3.756	21598986	12406106	5.228	0.434 #
16) TM 4,4-DDD	4.622	3.789	21598986	45342947	5.792	6.647
18) TM 4,4-DDT	4.879	4.008	9823217	10538739	2.739	1.294 #<LOD
21) TM METHOXYCHLOR	5.369	4.393	7066551	5728763	2.970	N.D. #
22) TM ENDRIN KE...	5.519	4.793	1977963	18709957	N.D.	1.299

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

JL 10.19.10

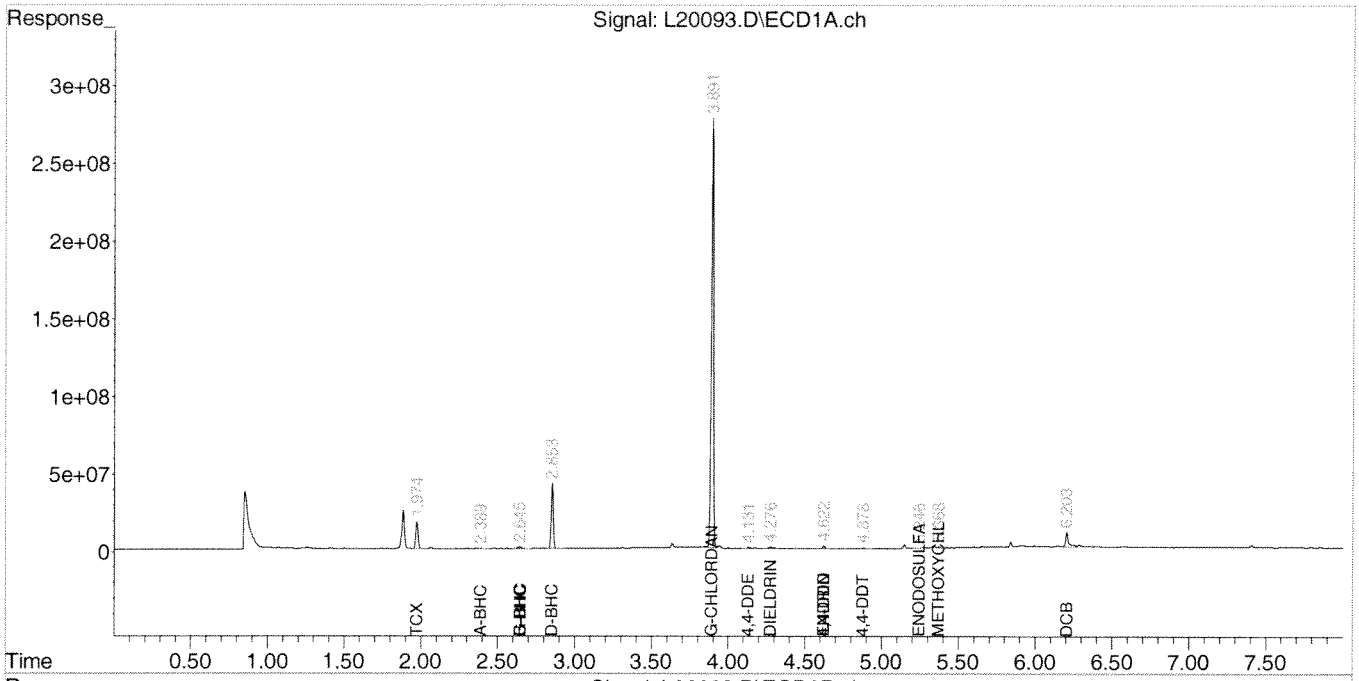
10/18/10

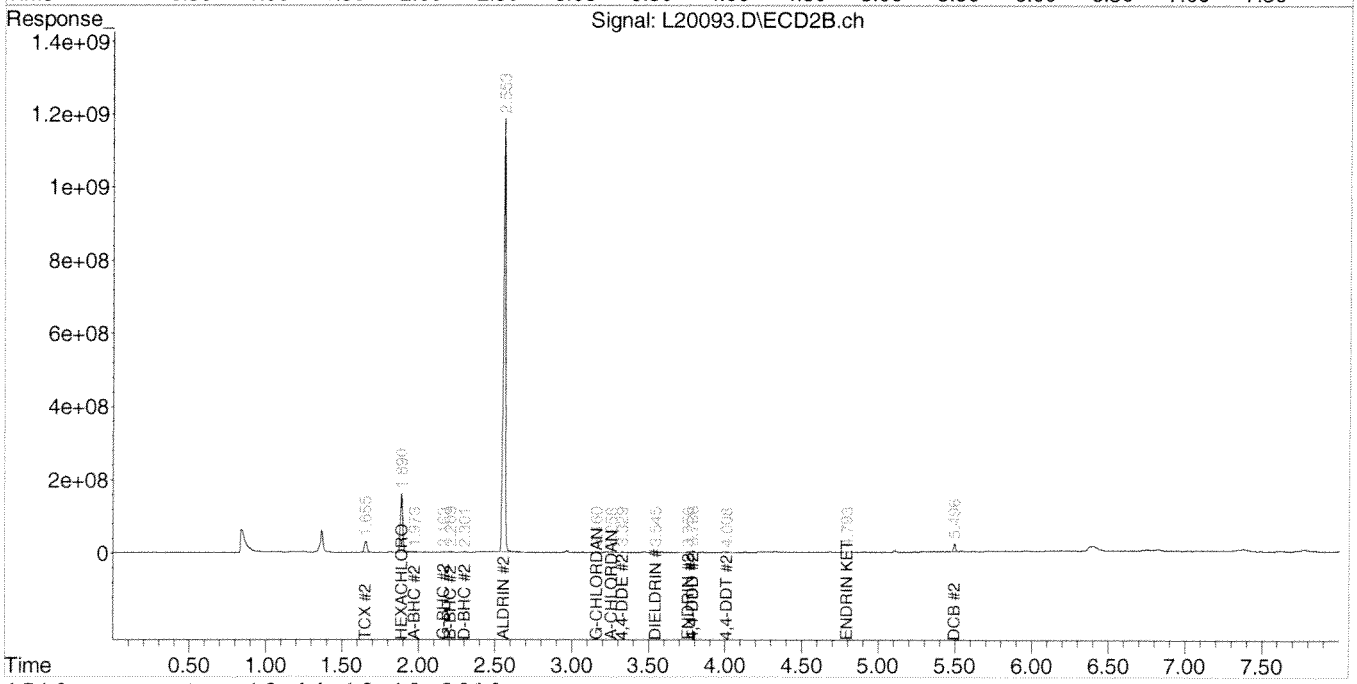
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20093.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 9:30 am
Operator : AR
Sample : 67967-1
Misc : SOIL
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:12 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20093.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 9:30 am
Operator : AR
Sample : 67967-1
Misc : SOIL
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 14:23:06 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

MD CH
10.18.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
Target Compounds							
1) L1M Chlordane-1	2.853	2.389	409.2E6	7756090	2.850	0.029	#
2) L1M Chlordane-2	3.039	2.450	7840910	6189890	0.032	0.017	#
3) L1M Chlordane-3	3.376	2.749	16369554	4903595	0.096	0.012	#
4) L1M Chlordane-4	3.818	3.028	64558392	2088318	0.384	0.010	#
5) L1M G-Chlordane	3.939	3.160	33618255	31506184	0.074	0.030	#
6) L1M A-Chlordane	3.997	3.259	9755068	11305283	0.021	0.008	#
Sum Chlordane-1			541.4E6	63749360	3.457	0.106	
Average Chlordane-1					0.576	0.018	
7) L2M Toxaphene-1	4.412	3.473	5392135	29369998	0.101	0.246	#
8) L2M Toxaphene-2	4.719	3.546	2879447	17110710	0.030	0.145	#
9) L2M Toxaphene-3	4.747	3.756	947151	14350627	0.015	0.044	#
10) L2M Toxaphene-4	4.785	3.882	1960617	4402804	0.016	0.018	
11) L2M Toxaphene-5	4.985	4.168	2471289	315972	0.027	0.007	#
12) L2M Toxaphene-6	5.369	4.393	7742635	5723177	0.156	0.031	#
13) L2M Toxaphene-7	5.422	4.488	2106646	10182229	0.078	0.046	#
Sum Toxaphene-1			23499921	81455516	0.425	0.536	
Average Toxaphene-1					0.061	0.077	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

✓ 10/18/10

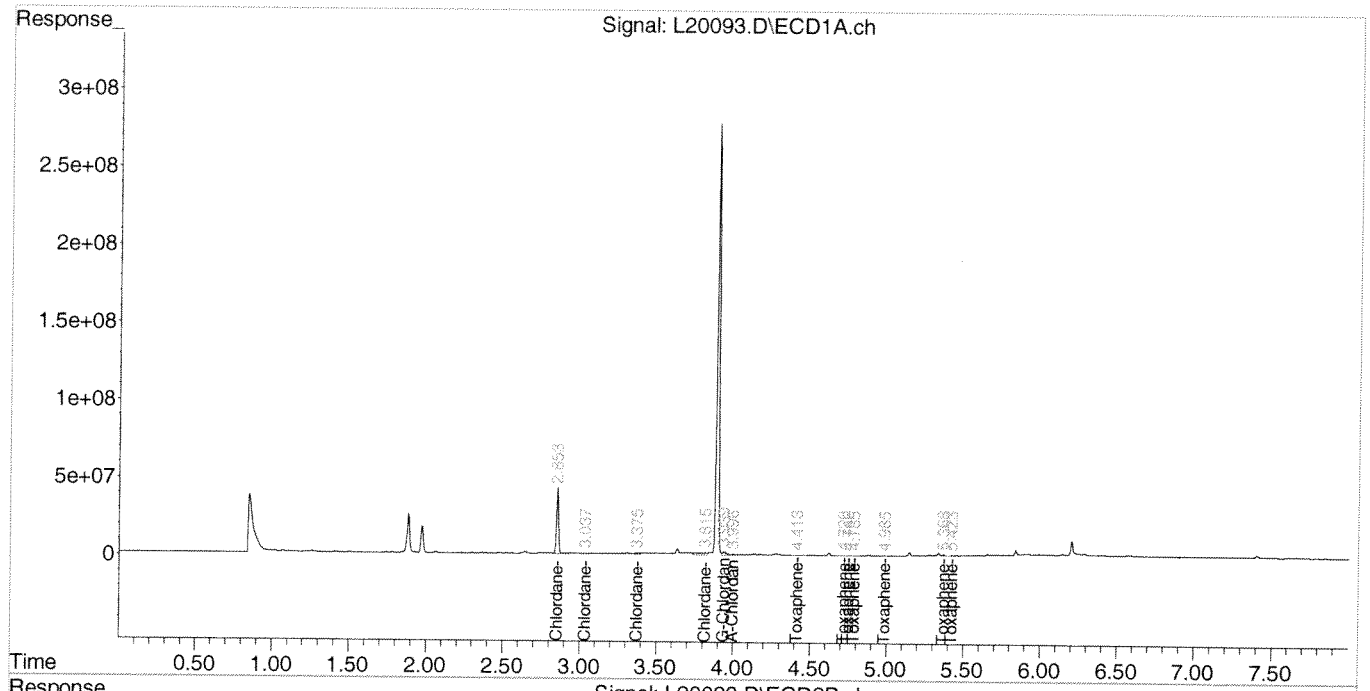
Quantitation Report (Not Reviewed)

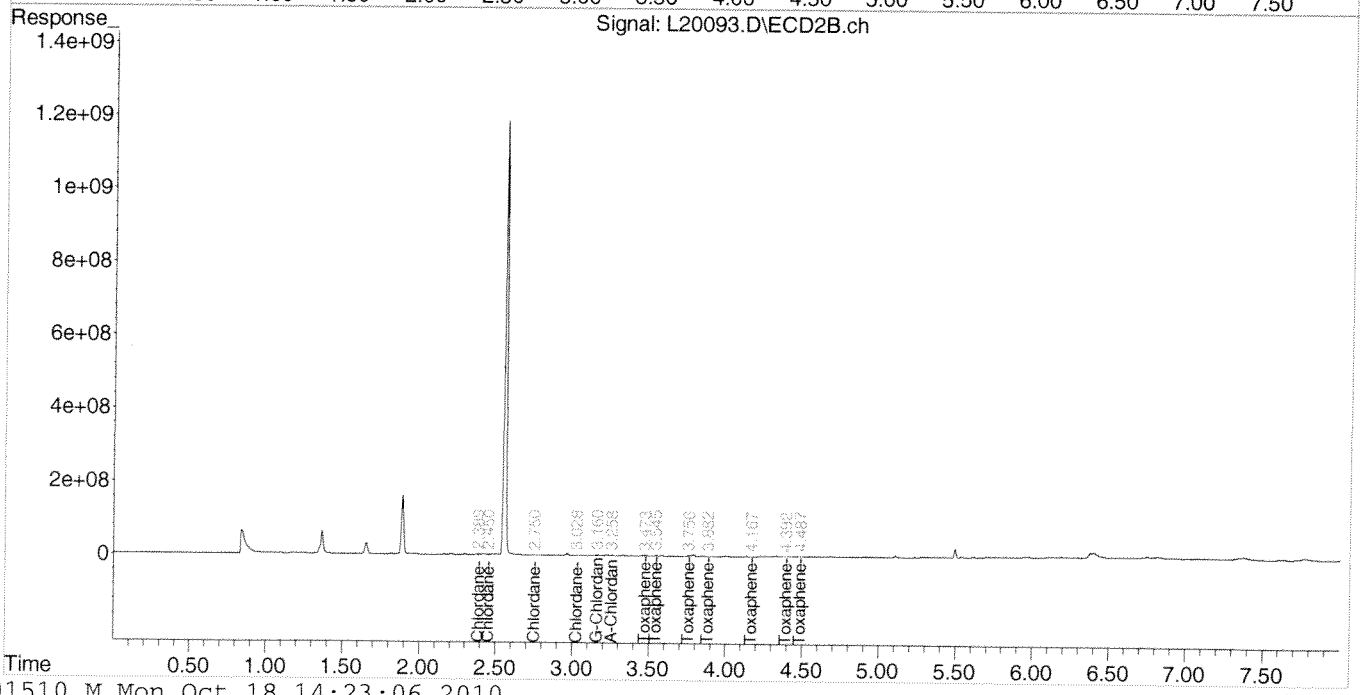
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20093.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 9:30 am
Operator : AR
Sample : 67967-1
Misc : SOIL
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 14:23:06 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

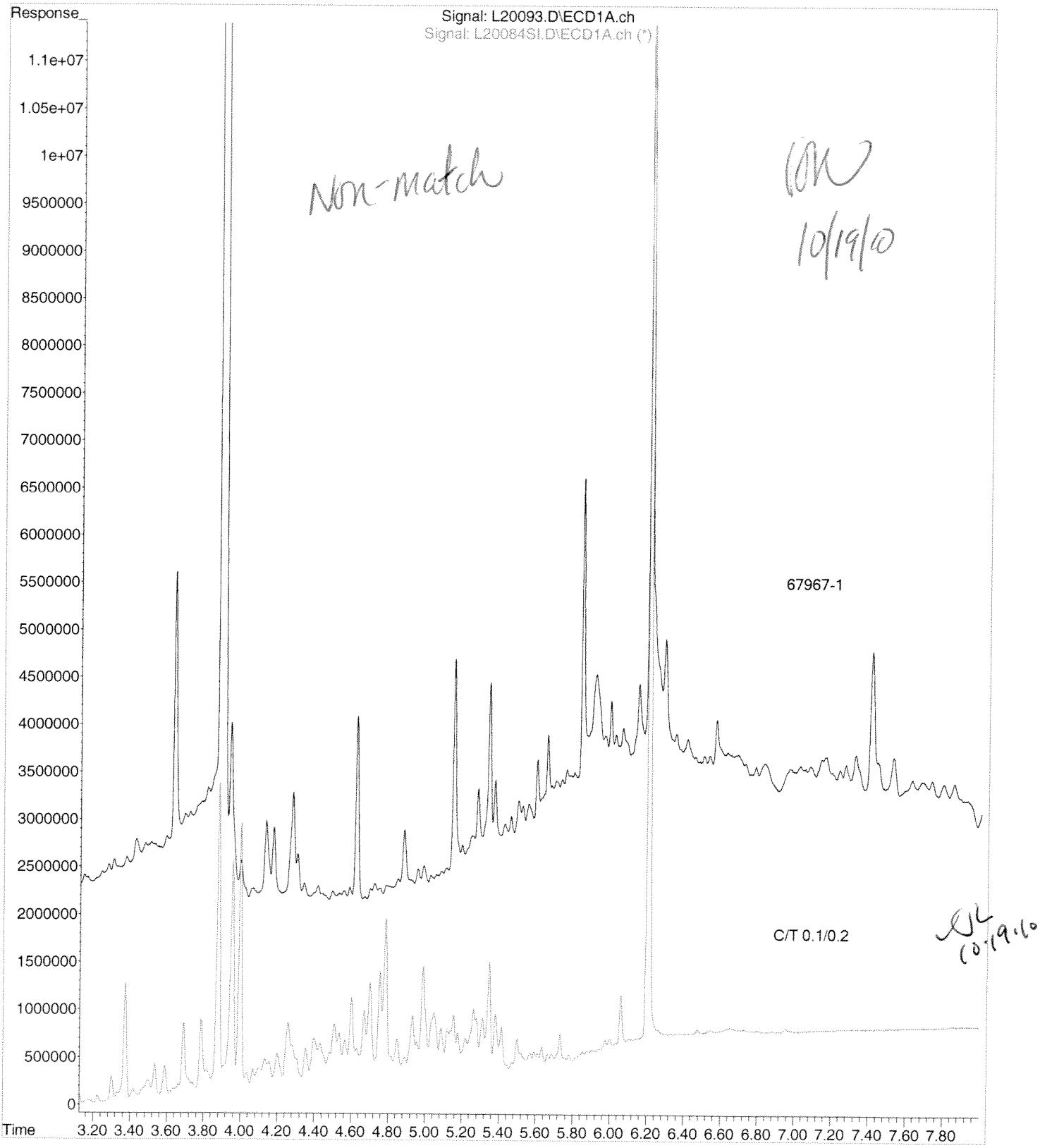
JW 10.18.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





File :C:\msdchem\1\DATA\101510-L\L20093.D
Operator : AR
Acquired : 16 Oct 10 9:30 am using AcqMethod PEST.M
Instrument : Inst L
Sample Name: 67967-1
Misc Info : SOIL
Vial Number: 40



PESTICIDE
RETENTION TIME CHECK

Sample Name 67967-1
Date Acquired 10/16/2010 9:30
Data File Name L20093.D

METHOD: **C:\msdchem\1\METHODS\PT101510.M**
LEVEL 5 OPENING STANDARD: **L20076SI.D**

Name	67967-1 Ret Time	Opening Std Ret Time	RT Difference	Instrument L Window	Range RT	to RT	Pass
TCX	1.9740	1.9750	0.0010	0.0101	1.9649	1.9851	OK
HEXACHLOROBENZENE	2.2985	2.3001	0.0016	0.0132	2.2869	2.3133	OK
A-BHC	2.3895	2.3892	0.0002	0.0144	2.3748	2.4036	OK
G-BHC	2.6446	2.6551	0.0105	0.0160	2.6391	2.6711	OK
B-BHC	2.6446	2.7162	0.0716	0.0170	2.6992	2.7332	*
D-BHC	2.8535	2.9482	0.0947	0.0178	2.9304	2.9660	*
HEPTACHLOR	3.0853	3.0004	0.0849	0.0175	2.9829	3.0179	*
ALDRIN	3.2784	3.2617	0.0168	0.0175	3.2442	3.2792	OK
HEPTACHLOR EPOXIDE	3.7182	3.7211	0.0029	0.0182	3.7029	3.7393	OK
G-CHLORDANE	3.8915	3.8891	0.0024	0.0177	3.8714	3.9068	OK
A-CHLORDANE	3.9970	3.9978	0.0008	0.0178	3.9800	4.0156	OK
ENDOSULFAN I	3.9970	4.0484	0.0513	0.0179	4.0305	4.0663	*
4,4-DDE	4.1317	4.1331	0.0014	0.0182	4.1149	4.1513	OK
DIELDRIN	4.2765	4.2770	0.0005	0.0188	4.2582	4.2958	OK
ENDRIN	4.6220	4.5346	0.0874	0.0184	4.5162	4.5530	*
4,4-DDD	4.6220	4.6235	0.0015	0.0168	4.6067	4.6403	OK
ENDOSULFAN II	4.7193	4.7154	0.0039	0.0177	4.6977	4.7331	OK
4,4-DDT	4.8794	4.8828	0.0034	0.0145	4.8683	4.8973	OK
ENDRIN ALDEHYDE	4.9852	4.9821	0.0031	0.0150	4.9671	4.9971	OK
ENODOSULFAN SULFATE	5.2475	5.1812	0.0663	0.0142	5.1670	5.1954	*
METHOXYCHLOR	5.3688	5.3665	0.0023	0.0123	5.3542	5.3788	OK
ENDRIN KETONE	5.5185	5.5322	0.0137	0.0120	5.5202	5.5442	*
DCB	6.2036	6.2043	0.0007	0.0112	6.1931	6.2155	OK
TCX #2	1.6549	1.6559	0.0011	0.0054	1.6505	1.6613	OK
HEXACHLOROBENZENE #2	1.8900	1.8612	0.0288	0.0038	1.8574	1.8650	*
A-BHC #2	1.9736	1.9513	0.0223	0.0038	1.9475	1.9551	*
G-BHC #2	2.1630	2.1382	0.0248	0.0029	2.1353	2.1411	*
B-BHC #2	2.2098	2.1923	0.0175	0.0025	2.1898	2.1948	*
D-BHC #2	2.3020	2.3070	0.0051	0.0025	2.3045	2.3095	*
HEPTACHLOR #2	2.4502	2.4436	0.0066	0.0022	2.4414	2.4458	*
ALDRIN #2	2.5538	2.6474	0.0935	0.0017	2.6457	2.6491	*
HEPTACHLOR EPOXIDE #2	3.0671	3.0740	0.0069	0.0016	3.0724	3.0756	*
G-CHLORDANE #2	3.1602	3.1679	0.0078	0.0018	3.1661	3.1697	*
A-CHLORDANE #2	3.2591	3.2635	0.0045	0.0019	3.2616	3.2654	*
ENDOSULFAN I #2	3.3941	3.3647	0.0295	0.0011	3.3636	3.3658	*
4,4-DDE #2	3.3292	3.3310	0.0018	0.0029	3.3281	3.3339	OK
DIELDRIN #2	3.5458	3.5459	0.0001	0.0015	3.5444	3.5474	OK
ENDRIN #2	3.7561	3.7225	0.0335	0.0012	3.7213	3.7237	*
4,4-DDD #2	3.7886	3.7917	0.0031	0.0117	3.7800	3.8034	OK
ENDOSULFAN II #2	3.8817	3.8985	0.0168	0.0021	3.8964	3.9006	*
4,4-DDT #2	4.0079	4.0104	0.0024	0.0064	4.0040	4.0168	OK
ENDRIN ALDEHYDE #2	4.2195	4.2295	0.0100	0.0023	4.2272	4.2318	*
ENODOSULFAN SULFATE #2	4.5870	4.5794	0.0076	0.0025	4.5769	4.5819	*
METHOXYCHLOR #2	4.3929	4.4150	0.0221	0.0136	4.4014	4.4286	*
ENDRIN KETONE #2	4.7933	4.8020	0.0088	0.0021	4.7999	4.8041	*
DCB #2	5.4964	5.4972	0.0008	0.0038	5.4934	5.5010	OK

10/18/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID: 67967-1 RR
Matrix: Solid
Percent Solid: 79
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-DC-01

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	6	U	Endosulfan II	6	U
b-BHC	6	U	4,4'-DDD	6	U
d-BHC	6	U	Endosulfan Sulfate	6	U
g-BHC	6	U	4,4'-DDT	6	U
Heptachlor	6	U	Methoxychlor	18	U
Aldrin	6	U	Endrin Ketone	6	U
Heptachlor Epoxide	6	U	Endrin Aldehyde	6	U
Endosulfan I	6	U	alpha-Chlordane	6	U
Dieldrin	6	U	gamma-Chlordane	6	U
4,4'-DDE	6	U	Toxaphene	79	U
Endrin	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	54	%
Decachlorobiphenyl	61	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 4:28 pm
Operator : MAG/JLL
Sample : 67967-1, RR
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:47 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
1) S TCX	1.974	1.655	191.7E6	383.4E6	53.537	54.315	
Spiked Amount	100.000	Range	46 - 122	Recovery	= 53.54%	54.32%	
23) S DCB	6.201	5.494	122.3E6	252.0E6	60.622	45.924	
Spiked Amount	100.000	Range	40 - 135	Recovery	= 60.62%	45.92%	
Target Compounds							
2) TM HEXACHLOR...	2.298	1.890	4920109	1754.0E6	N.D.	218.534	
3) TM A-BHC	2.389	1.973	3220016	21470340	0.635	1.756	#
4) TM G-BHC	2.644	2.119	19517907	6841149	3.887	0.350	#
5) TM B-BHC	2.644f	2.209	19517907	24712931	7.512	3.724	#
6) TM D-BHC	2.960	2.301	1083782	5249511	0.294	0.335	
8) TM ALDRIN	3.278	2.553f	2011365	14927.7E6	N.D.	1652.772	
10) TM G-CHLORDANE	3.889	3.160	2826.2E6	18656705	761.662	1.589	#
11) TM A-CHLORDANE	3.995	3.254	2593900	10821724	N.D.	1.450	
13) TM 4,4-DDE	4.129	3.328	13008262	24690071	2.669	3.839	#
14) TM DIELDRIN	4.274	3.544	18647188	19238293	3.848	1.236	#
16) TM 4,4-DDD	4.619	3.787	20755979	53242061	5.509	7.826	#
18) TM 4,4-DDT	4.877	4.005	8939155	17866027	2.460	2.243	
20) TM ENODOSULF...	5.244	4.627	3016419	16227953	0.073	1.764	#
21) TM METHOXYCHLOR	5.367	4.392	6531865	1929393	2.614	N.D.	#
22) TM ENDRIN KE...	5.518	4.791	50479452	20281373	14.677	1.496	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Rpt. 1st run

10/19/10

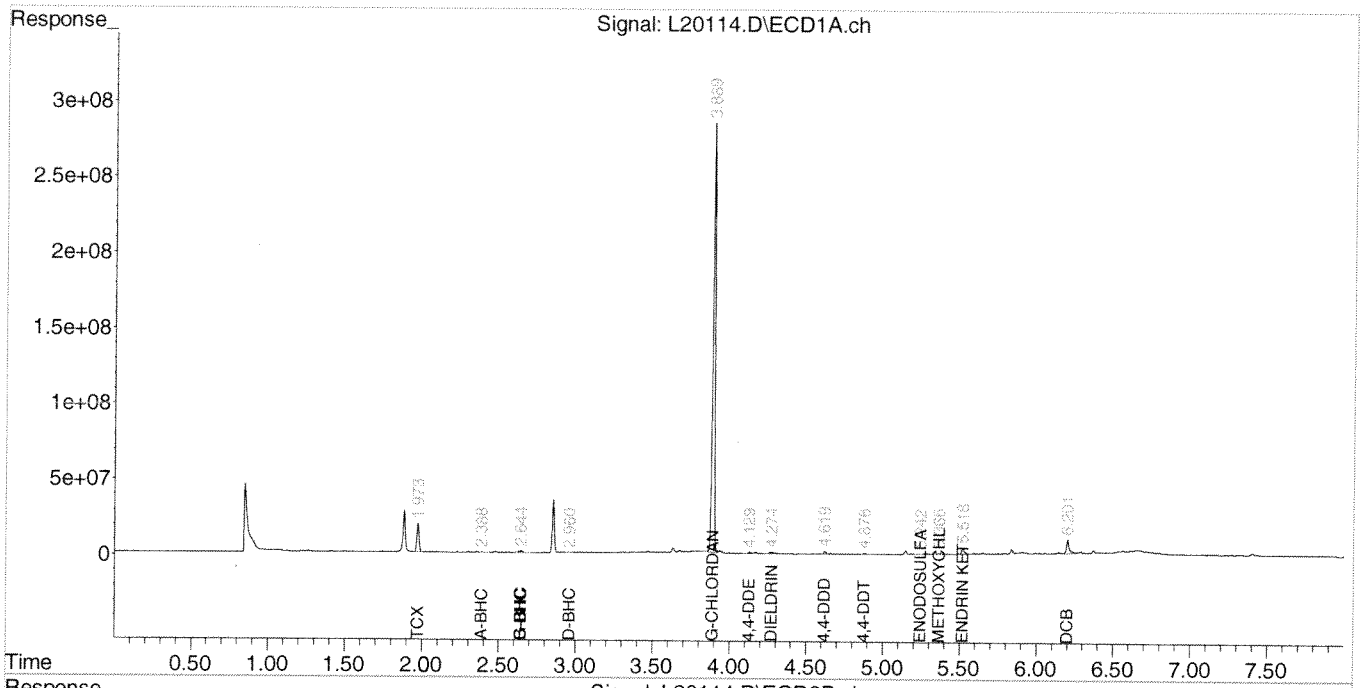
10-29-10

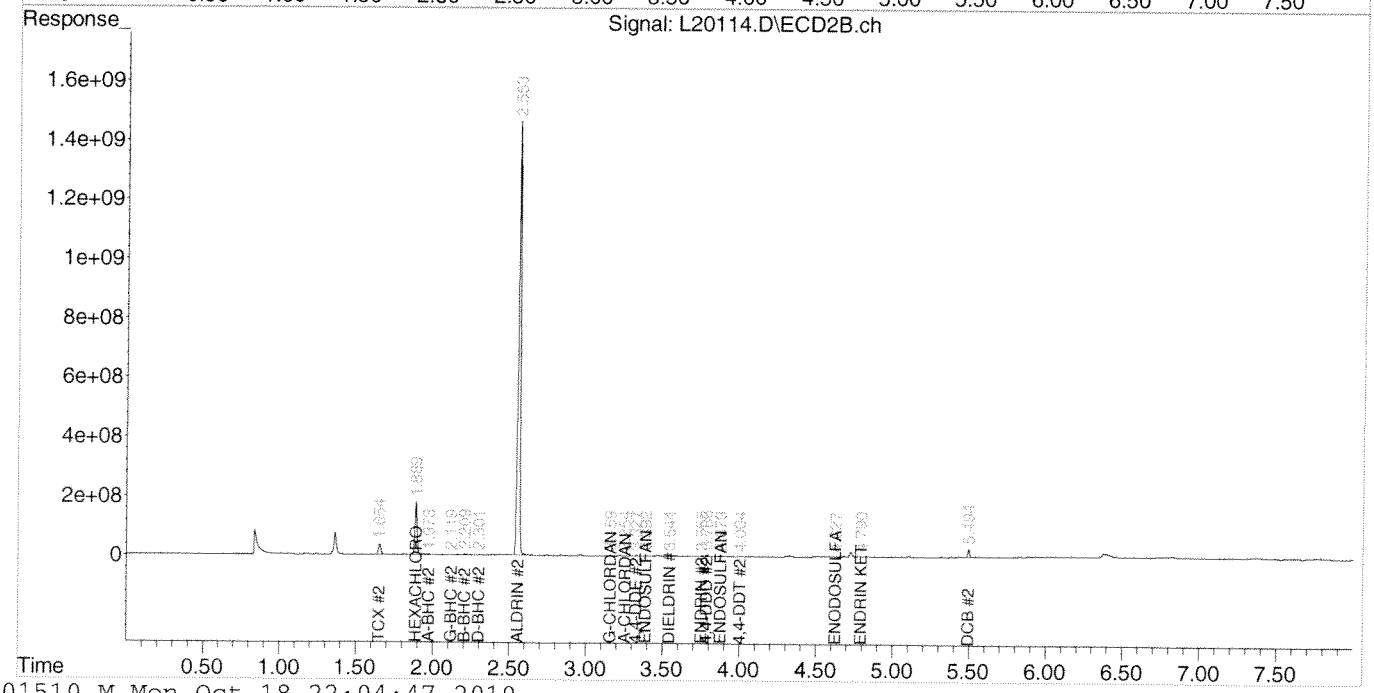
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 4:28 pm
Operator : MAG/JLL
Sample : 67967-1,, RR
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:47 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





PESTICIDE
RETENTION TIME CHECK

Sample Name 67967-1,, RR
Date Acquired 10/18/2010 16:28
Data File Name L20114.D

10/19/10

METHOD: C:\msdchem\1\METHODS\PT101510.M
LEVEL 5 OPENING STANDARD: L20108SC.D

Name	67967-1,, RR Ret Time	Opening Std Ret Time	RT Difference	Instrument L Window	Range RT	to RT	Pass
TCX	1.9736	1.9810	0.0074	0.0101	1.9709	1.9911	OK
HEXACHLOROBENZENE	2.2979	2.3068	0.0090	0.0132	2.2936	2.3200	~~OK~~
A-BHC	2.3887	2.3963	0.0076	0.0144	2.3819	2.4107	~~OK~~
G-BHC	2.6440	2.6629	0.0189	0.0160	2.6469	2.6789	*
B-BHC	2.6440	2.7241	0.0801	0.0170	2.7071	2.7411	*
D-BHC	2.9599	2.9562	0.0037	0.0178	2.9384	2.9740	~~OK~~
HEPTACHLOR	3.0372	3.0086	0.0286	0.0175	2.9911	3.0261	*
ALDRIN	3.2777	3.2701	0.0076	0.0175	3.2526	3.2876	~~OK~~
HEPTACHLOR EPOXIDE	3.7172	3.7293	0.0121	0.0182	3.7111	3.7475	~~OK~~
G-CHLORDANE	3.8892	3.8872	0.0020	0.0177	3.8695	3.9049	~~OK~~
A-CHLORDANE	3.9948	4.0062	0.0115	0.0178	3.9884	4.0240	~~OK~~
ENDOSULFAN I	3.9948	4.0565	0.0618	0.0179	4.0386	4.0744	*
4,4-DDE	4.1292	4.1414	0.0122	0.0182	4.1232	4.1596	OK
DIELDRIN	4.2739	4.2846	0.0108	0.0188	4.2658	4.3034	OK
ENDRIN	4.4912	4.5424	0.0512	0.0184	4.5240	4.5608	*
4,4-DDD	4.6192	4.6315	0.0123	0.0168	4.6147	4.6483	OK
ENDOSULFAN II	4.7177	4.7225	0.0049	0.0177	4.7048	4.7402	OK
4,4-DDT	4.8770	4.8897	0.0127	0.0145	4.8752	4.9042	OK
ENDRIN ALDEHYDE	4.9820	4.9882	0.0062	0.0150	4.9732	5.0032	OK
ENODOSULFAN SULFATE	5.2439	5.1871	0.0568	0.0142	5.1729	5.2013	*
METHOXYCHLOR	5.3667	5.3718	0.0051	0.0123	5.3595	5.3841	OK
ENDRIN KETONE	5.5184	5.5371	0.0187	0.0120	5.5251	5.5491	*
DCB	6.2013	6.2076	0.0063	0.0112	6.1964	6.2188	OK
TCX #2	1.6546	1.6541	0.0005	0.0054	1.6487	1.6595	OK
HEXACHLOROBENZENE #2	1.8897	1.8594	0.0303	0.0038	1.8556	1.8632	*
A-BHC #2	1.9734	1.9499	0.0235	0.0038	1.9461	1.9537	*
G-BHC #2	2.1192	2.1370	0.0178	0.0029	2.1341	2.1399	*
B-BHC #2	2.2091	2.1907	0.0184	0.0025	2.1882	2.1932	*
D-BHC #2	2.3012	2.3057	0.0044	0.0025	2.3032	2.3082	*
HEPTACHLOR #2	2.4499	2.4427	0.0072	0.0022	2.4405	2.4449	*
ALDRIN #2	2.5531	2.6464	0.0933	0.0017	2.6447	2.6481	*
HEPTACHLOR EPOXIDE #2	3.0667	3.0735	0.0068	0.0016	3.0719	3.0751	*
G-CHLORDANE #2	3.1600	3.1675	0.0075	0.0018	3.1657	3.1693	*
A-CHLORDANE #2	3.2543	3.2644	0.0101	0.0019	3.2625	3.2663	*
ENDOSULFAN I #2	3.3923	3.3643	0.0280	0.0011	3.3632	3.3654	*
4,4-DDE #2	3.3277	3.3307	0.0030	0.0029	3.3278	3.3336	*
DIELDRIN #2	3.5444	3.5455	0.0011	0.0015	3.5440	3.5470	OK
ENDRIN #2	3.7551	3.7220	0.0330	0.0012	3.7208	3.7232	*
4,4-DDD #2	3.7868	3.7922	0.0054	0.0117	3.7805	3.8039	OK
ENDOSULFAN II #2	3.8790	3.8979	0.0189	0.0021	3.8958	3.9000	*
4,4-DDT #2	4.0050	4.0110	0.0060	0.0064	4.0046	4.0174	OK
ENDRIN ALDEHYDE #2	4.2177	4.2290	0.0113	0.0023	4.2267	4.2313	*
ENODOSULFAN SULFATE #2	4.6269	4.5791	0.0478	0.0025	4.5766	4.5816	*
METHOXYCHLOR #2	4.3920	4.4156	0.0236	0.0136	4.4020	4.4292	*
ENDRIN KETONE #2	4.7908	4.8017	0.0108	0.0021	4.7996	4.8038	*
DCB #2	5.4944	5.4976	0.0031	0.0038	5.4938	5.5014	OK

out only by 0.0001

Confirms

10-19-10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: WC-B82-APN-01

Lab Sample ID: 67967-2
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/16/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5.5	U	Endosulfan II	5.5	U
b-BHC	5.5	U	4,4'-DDD	5.5	U
d-BHC	5.5	U	Endosulfan Sulfate	5.5	U
g-BHC	5.5	U	4,4'-DDT	5.5	U
Heptachlor	5.5	U	Methoxychlor	17	U
Aldrin	5.5	U	Endrin Ketone	5.5	U
Heptachlor Epoxide	5.5	U	Endrin Aldehyde	5.5	U
Endosulfan I	5.5	U	alpha-Chlordane	5.5	U
Dieldrin	5.5	U	gamma-Chlordane	5.5	U
4,4'-DDE	5.5	U	Toxaphene	73	U
Endrin	5.5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	63	%
Decachlorobiphenyl	58	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20094.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 9:41 am
Operator : AR
Sample : 67967-2
Misc : SOIL
ALS Vial : 41 Sample Multiplier: 1

DF=1.08

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:14 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

ND Pest JW 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	1.974	1.655	223.9E6	433.6E6	62.751	61.568
Spiked Amount	100.000	Range 40 - 130		Recovery =	62.75%	61.57%
23) S DCB	6.203	5.496	117.7E6	234.8E6	58.318	42.855 #
Spiked Amount	100.000	Range 40 - 130		Recovery =	58.32%	42.85%
Target Compounds						
3) TM A-BHC	2.390	1.888	1678820	81234050	~~0.348~~	~~7.160~~ #
4) TM G-BHC	2.647	2.163	4089399	2244327	0.689	N.D. #
6) TM D-BHC	2.853f	2.208f	23137022	5144274	4.858	0.324 #
8) TM ALDRIN	3.278	2.554f	1932542	1077.8E6	N.D.	118.301
10) TM G-CHLORDANE	3.892	3.148	234.5E6	4084830	55.620	N.D. #
13) TM 4,4-DDE	4.131	3.317	1660036	7515053	N.D.	1.653
14) TM DIELDRIN	4.280	3.549	8097041	23324758	1.052	1.706 #
16) TM 4,4-DDD	4.623	3.792	5937943	17792150	0.532	2.534 #
17) TM ENDOSULFA...	4.722	3.861	7683913	23400340	~~0.217~~	~~1.210~~ #
18) TM 4,4-DDT	4.884	3.984	16716928	35079592	~~4.914~~	~~4.471~~
19) TM ENDRIN AL...	4.994	4.219	8555874	6757525	~~1.734~~	~~N.D.~~ #
20) TM ENODOSULF...	5.169	4.593	6005158	4372446	1.223	N.D. #
22) TM ENDRIN KE...	5.507	4.814	2599090	26037305	N.D.	~~2.217~~

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

15.75g
%SD=88.48

JW 10/19/10

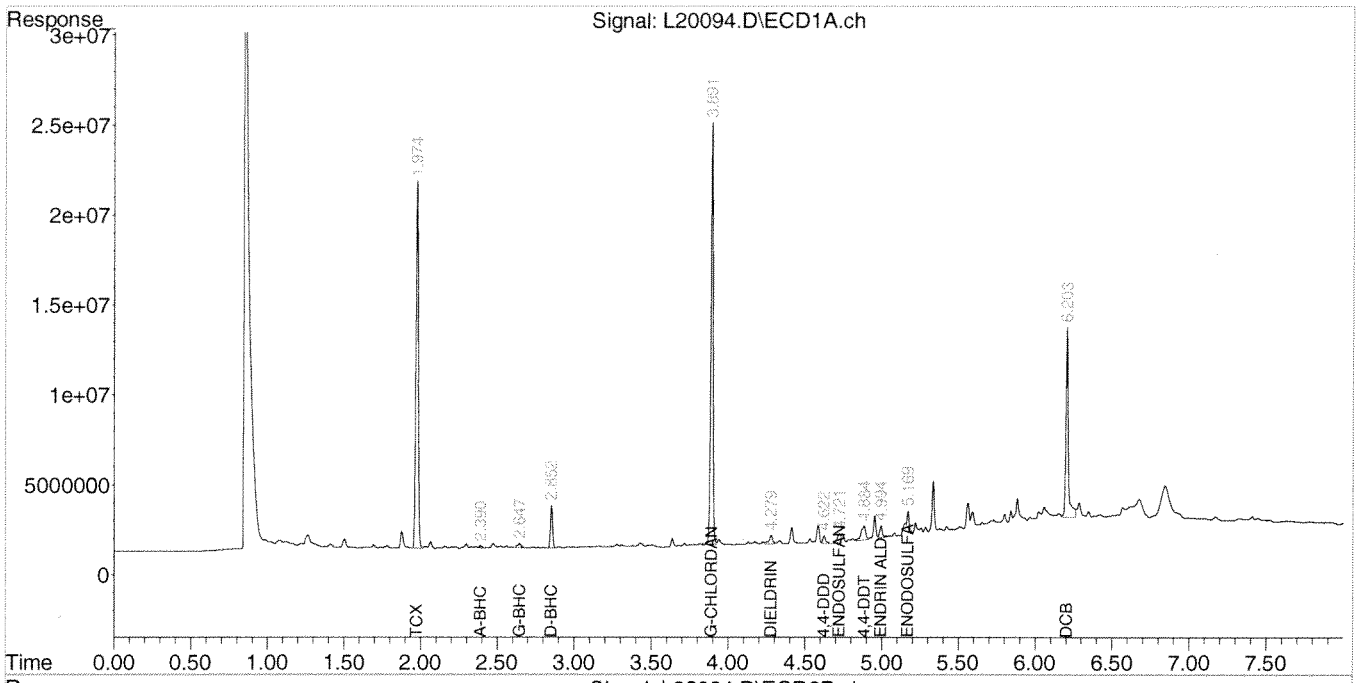
JL 10.19.10

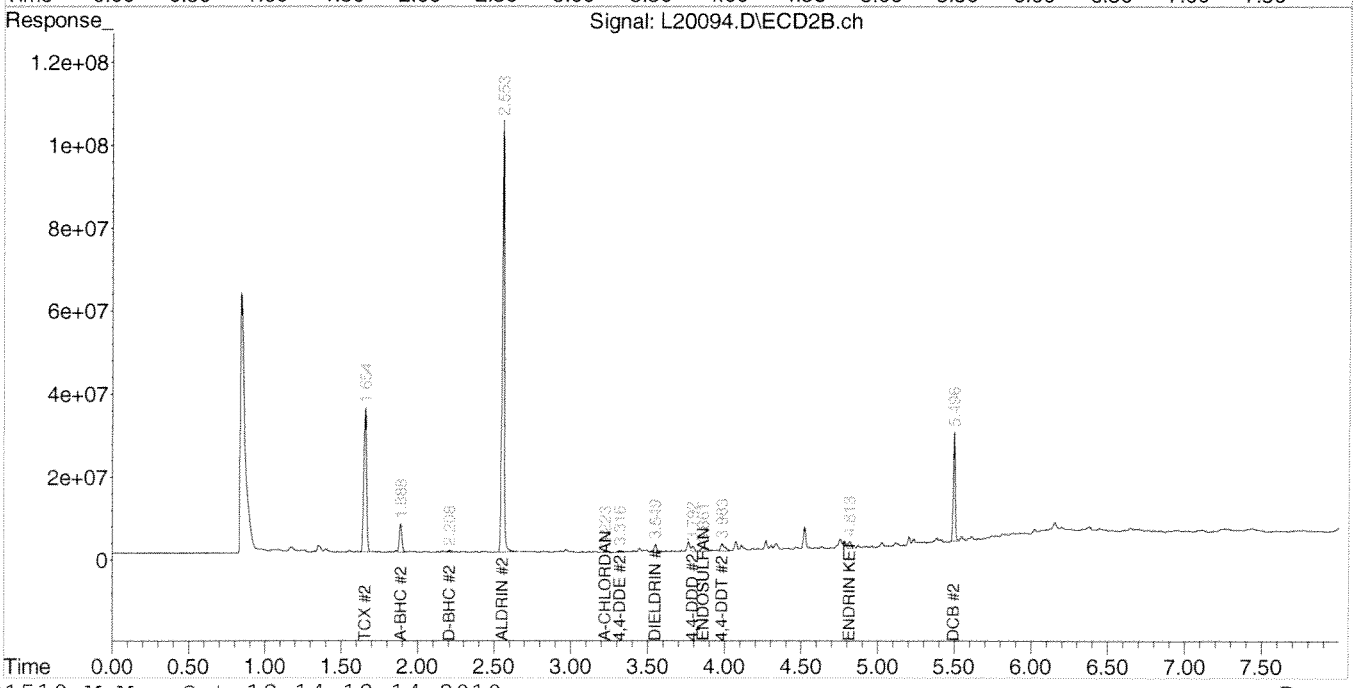
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20094.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 9:41 am
Operator : AR
Sample : 67967-2
Misc : SOIL
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:14 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20094.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 9:41 am
Operator : AR
Sample : 67967-2
Misc : SOIL
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 14:23:08 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

ND CIT JW 10.18.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.903	2.381	1135167	1355135	N.D.	0.006 #
2) L1M Chlordane-2	2.997	2.449	799514	993474	N.D.	0.004 #
3) L1M Chlordane-3	3.379	2.752	2114571	1681471	N.D.	0.000 #
4) L1M Chlordane-4	3.777	3.074	3855797	2427375	0.038	0.011 #
5) L1M G-Chlordane	3.941	3.148	7185126	4469209	0.011	0.006 #
6) L1M A-Chlordane	3.996	3.262	1351628	452234	N.D.	0.002 #
Sum Chlordane-1			11040923	11378899	0.033	0.030
Average Chlordane-1					0.016	0.005
7) L2M Toxaphene-1	4.413	3.482	15314158	9813208	0.274	0.084 #
8) L2M Toxaphene-2	4.722	3.549	7677182	24103847	0.079	0.205 #
9) L2M Toxaphene-3	4.740	3.763	5953540	31227336	0.071	0.093 #
10) L2M Toxaphene-4	4.783	3.881	1274422	7240996	0.012	0.027 #
11) L2M Toxaphene-5	4.994	4.183	9351675	7280516	0.084	0.031 #
12) L2M Toxaphene-6	5.380	4.417	2690514	2839951	0.062	0.021 #
13) L2M Toxaphene-7	5.422	4.521	3061355	63645738	0.097	0.265 #
Sum Toxaphene-1			45322845	146.2E6	0.679	0.726
Average Toxaphene-1					0.097	0.104

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

10/19/10

10.19.10

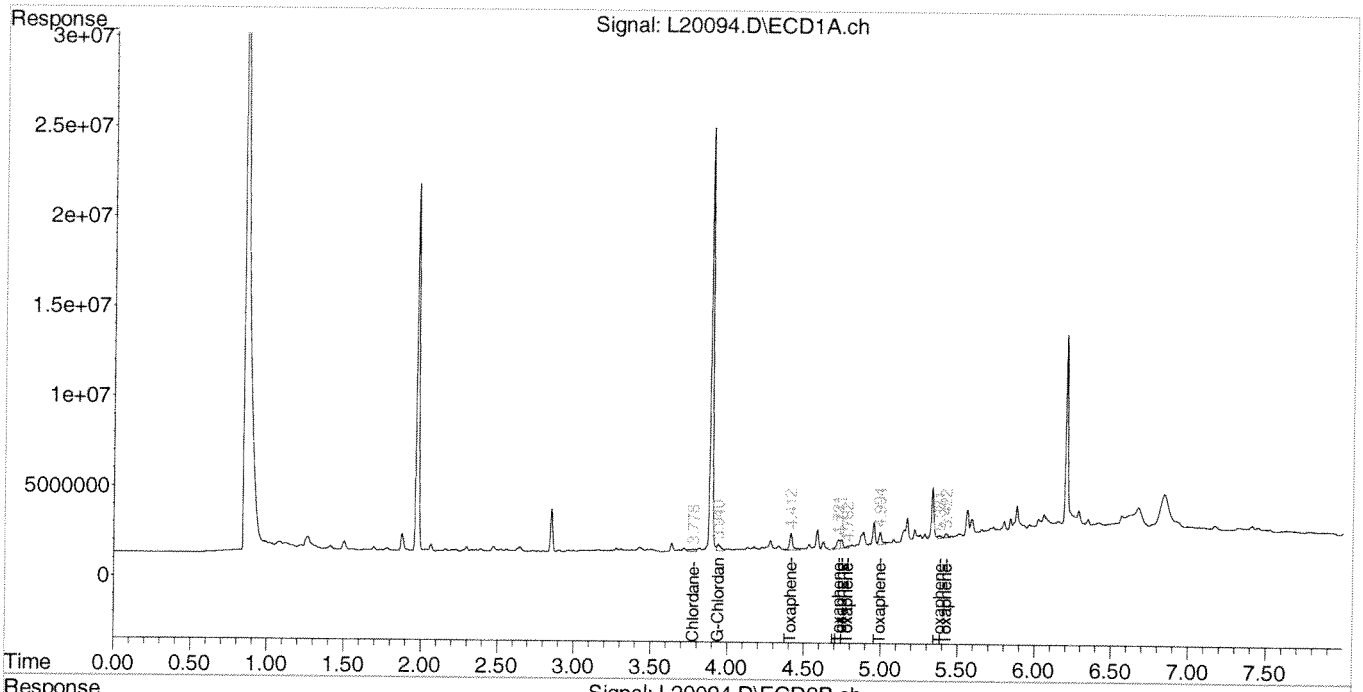
Quantitation Report (Not Reviewed)

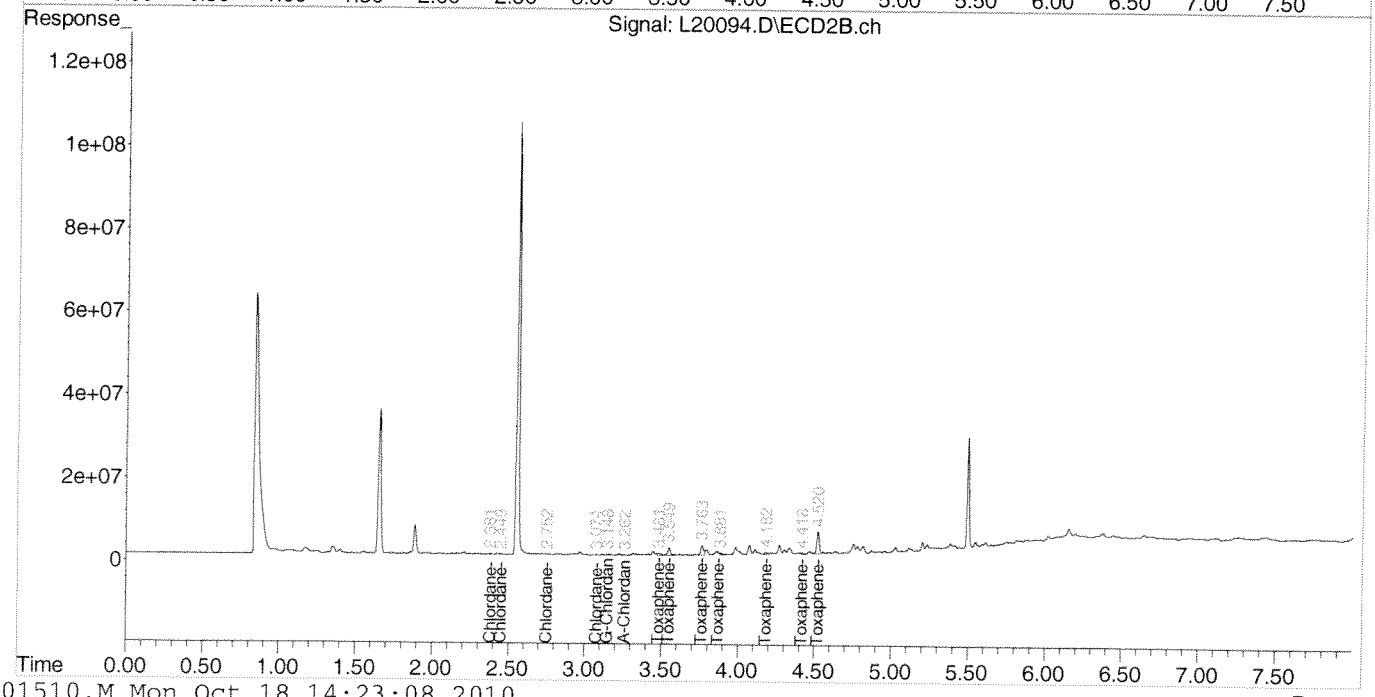
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20094.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 9:41 am
Operator : AR
Sample : 67967-2
Misc : SOIL
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 14:23:08 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

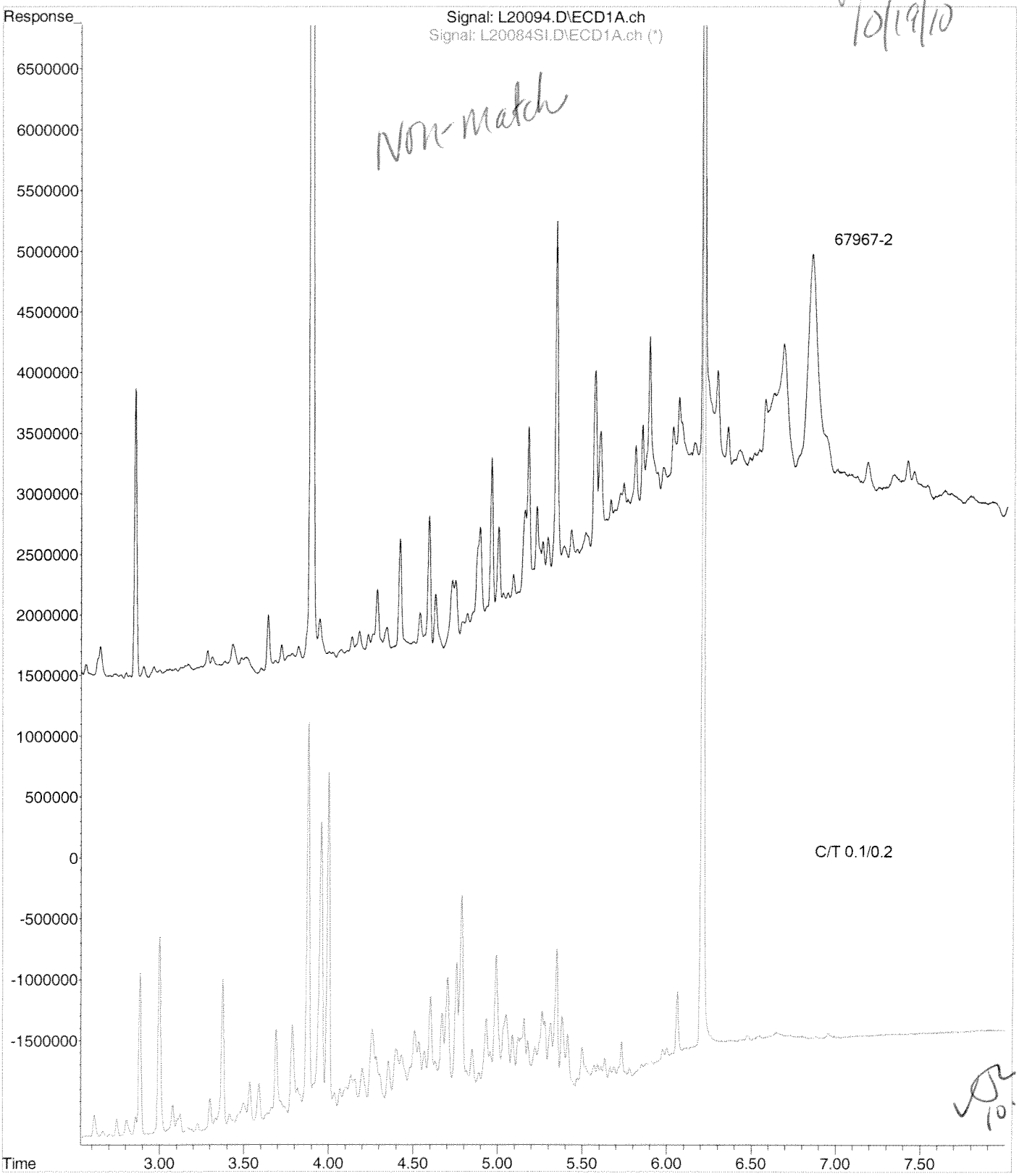
JW 10.18.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





File :C:\msdchem\1\DATA\101510-L\L20094.D
Operator : AR
Acquired : 16 Oct 10 9:41 am using AcqMethod PEST.M
Instrument : Inst L
Sample Name: 67967-2
Misc Info : SOIL
Vial Number: 41



PESTICIDE
RETENTION TIME CHECK

Sample Name 67967-2
Date Acquired 10/16/2010 9:41
Data File Name L20094.D

10/19/10

METHOD: C:\msdchem\1\METHODS\PT101510.M
LEVEL 5 OPENING STANDARD: L20076SI.D

Name	67967-2 Ret Time	Opening Std Ret Time	RT Difference	Instrument L Window	Range RT	to RT	Pass
TCX	1.9742	1.9750	0.0008	0.0101	1.9649	1.9851	OK
HEXACHLOROBENZENE	2.2982	2.3001	0.0019	0.0132	2.2869	2.3133	OK
A-BHC	2.3897	2.3892	0.0005	0.0144	2.3748	2.4036	OK
G-BHC	2.6467	2.6551	0.0085	0.0160	2.6391	2.6711	OK
B-BHC	2.6467	2.7162	0.0696	0.0170	2.6992	2.7332	*
D-BHC	2.8530	2.9482	0.0952	0.0178	2.9304	2.9660	*
HEPTACHLOR	0.0000	3.0004	3.0004	0.0175	2.9829	3.0179	*
ALDRIN	3.2782	3.2617	0.0165	0.0175	3.2442	3.2792	OK
HEPTACHLOR EPOXIDE	3.7151	3.7211	0.0060	0.0182	3.7029	3.7393	OK
G-CHLORDANE	3.8915	3.8891	0.0024	0.0177	3.8714	3.9068	OK
A-CHLORDANE	3.9406	3.9978	0.0572	0.0178	3.9800	4.0156	*
ENDOSULFAN I	4.1309	4.0484	0.0825	0.0179	4.0305	4.0663	*
4,4-DDE	4.1309	4.1331	0.0022	0.0182	4.1149	4.1513	OK
DIELDRIN	4.2795	4.2770	0.0025	0.0188	4.2582	4.2958	OK
ENDRIN	4.5309	4.5346	0.0038	0.0184	4.5162	4.5530	OK
4,4-DDD	4.6226	4.6235	0.0008	0.0168	4.6067	4.6403	OK
ENDOSULFAN II	4.7222	4.7154	0.0068	0.0177	4.6977	4.7331	OK
4,4-DDT	4.8839	4.8828	0.0011	0.0145	4.8683	4.8973	OK
ENDRIN ALDEHYDE	4.9939	4.9821	0.0118	0.0150	4.9671	4.9971	OK
ENODOSULFAN SULFATE	5.1693	5.1812	0.0119	0.0142	5.1670	5.1954	OK
METHOXYCHLOR	5.3795	5.3665	0.0130	0.0123	5.3542	5.3788	*
ENDRIN KETONE	5.5071	5.5322	0.0251	0.0120	5.5202	5.5442	*
DCB	6.2032	6.2043	0.0011	0.0112	6.1931	6.2155	OK
TCX #2	1.6549	1.6559	0.0011	0.0054	1.6505	1.6613	OK
HEXACHLOROBENZENE #2	1.8599	1.8612	0.0013	0.0038	1.8574	1.8650	OK
A-BHC #2	1.8884	1.9513	0.0629	0.0038	1.9475	1.9551	*
G-BHC #2	2.1632	2.1382	0.0250	0.0029	2.1353	2.1411	*
B-BHC #2	2.2080	2.1923	0.0157	0.0025	2.1898	2.1948	*
D-BHC #2	2.2080	2.3070	0.0990	0.0025	2.3045	2.3095	*
HEPTACHLOR #2	0.0000	2.4436	2.4436	0.0022	2.4414	2.4458	*
ALDRIN #2	2.5536	2.6474	0.0937	0.0017	2.6457	2.6491	*
HEPTACHLOR EPOXIDE #2	3.0744	3.0740	0.0004	0.0016	3.0724	3.0756	OK
G-CHLORDANE #2	3.1480	3.1679	0.0200	0.0018	3.1661	3.1697	*
A-CHLORDANE #2	3.2235	3.2635	0.0400	0.0019	3.2616	3.2654	*
ENDOSULFAN I #2	3.3690	3.3647	0.0044	0.0011	3.3636	3.3658	*
4,4-DDE #2	3.3167	3.3310	0.0143	0.0029	3.3281	3.3339	*
DIELDRIN #2	3.5491	3.5459	0.0031	0.0015	3.5444	3.5474	*
ENDRIN #2	3.7181	3.7225	0.0045	0.0012	3.7213	3.7237	*
4,4-DDD #2	3.7920	3.7917	0.0003	0.0117	3.7800	3.8034	OK
ENDOSULFAN II #2	3.8609	3.8985	0.0376	0.0021	3.8964	3.9006	*
4,4-DDT #2	3.9836	4.0104	0.0267	0.0064	4.0040	4.0168	*
ENDRIN ALDEHYDE #2	4.2190	4.2295	0.0105	0.0023	4.2272	4.2318	*
ENODOSULFAN SULFATE #2	4.5929	4.5794	0.0135	0.0025	4.5769	4.5819	*
METHOXYCHLOR #2	4.3924	4.4150	0.0227	0.0136	4.4014	4.4286	*
ENDRIN KETONE #2	4.8136	4.8020	0.0116	0.0021	4.7999	4.8041	*
DCB #2	5.4960	5.4972	0.0012	0.0038	5.4934	5.5010	OK

10-19-10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	67967-2 RR
Matrix:	Solid
Percent Solid:	88
Dilution Factor:	1.1
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/13/10
Analysis Date:	10/18/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-APN-01

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5.5	U	Endosulfan II	5.5	U
b-BHC	5.5	U	4,4'-DDD	5.5	U
d-BHC	5.5	U	Endosulfan Sulfate	5.5	U
g-BHC	5.5	U	4,4'-DDT	5.5	U
Heptachlor	5.5	U	Methoxychlor	17	U
Aldrin	5.5	U	Endrin Ketone	5.5	U
Heptachlor Epoxide	5.5	U	Endrin Aldehyde	5.5	U
Endosulfan I	5.5	U	alpha-Chlordane	5.5	U
Dieldrin	5.5	U	gamma-Chlordane	5.5	U
4,4'-DDE	5.5	U	Toxaphene	73	U
Endrin	5.5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	64	%
Decachlorobiphenyl	57	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 4:39 pm
Operator : MAG/JLL
Sample : 67967-2,, RR
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:49 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

10/19/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
1) S TCX	1.973	1.654	227.8E6	450.6E6	63.853	64.023	
Spiked Amount	100.000	Range	46 - 122	Recovery	=	63.85%	64.02%
23) S DCB	6.201	5.494	114.9E6	305.7E6	56.877	55.495	
Spiked Amount	100.000	Range	40 - 135	Recovery	=	56.88%	55.49%
Target Compounds							
2) TM HEXACHLOR...	2.297	1.889	3229730	1163.0E6	N.D.	144.736	
3) TM A-BHC	2.388	1.889	1409106	1163.0E6	0.298	104.968	#
4) TM G-BHC	2.630	2.162	5246093	3245267	0.929	N.D.	#
6) TM D-BHC	2.900	2.301	1813455	2066014	0.445	0.018	#
8) TM ALDRIN	3.279	2.553f	1973927	13522.7E6	N.D.	1497.111	
10) TM G-CHLORDANE	3.889	3.147	2592.1E6	9768082	697.895	0.573	#
11) TM A-CHLORDANE	0.000	3.221	0	13950835	N.D.	1.818	#
13) TM 4,4-DDE	4.128	3.315	1483318	17586280	N.D.	2.935	
14) TM DIELDRIN	4.277	3.547	6440619	35963970	0.612	3.162	#
16) TM 4,4-DDD	4.619	3.790	4381694	20558999	0.009	2.947	#
17) TM ENDOSULFA...	4.720	3.879	11477023	43747574	1.404	3.989	#
18) TM 4,4-DDT	4.881	3.983	17068384	31534793	5.025	4.012	
19) TM ENDRIN AL...	4.991	4.217	6802964	8224272	0.953	N.D.	#
20) TM ENODOSULF...	5.167	4.591	6993201	4749706	1.603	0.000	#
21) TM METHOXYCHLOR	5.378	4.465	1875504	9125934	N.D.	0.889	
22) TM ENDRIN KE...	5.519	4.810	77704951	28512071	23.062	2.527	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Confirms

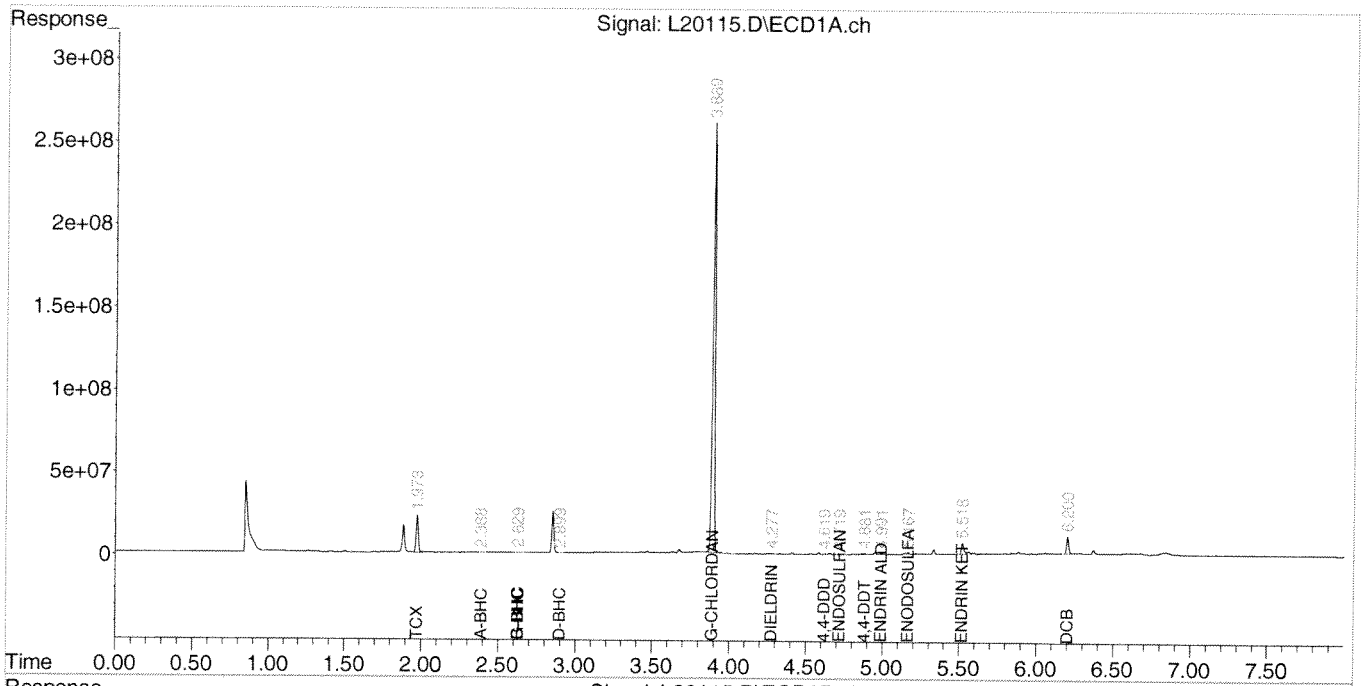
10-19-10

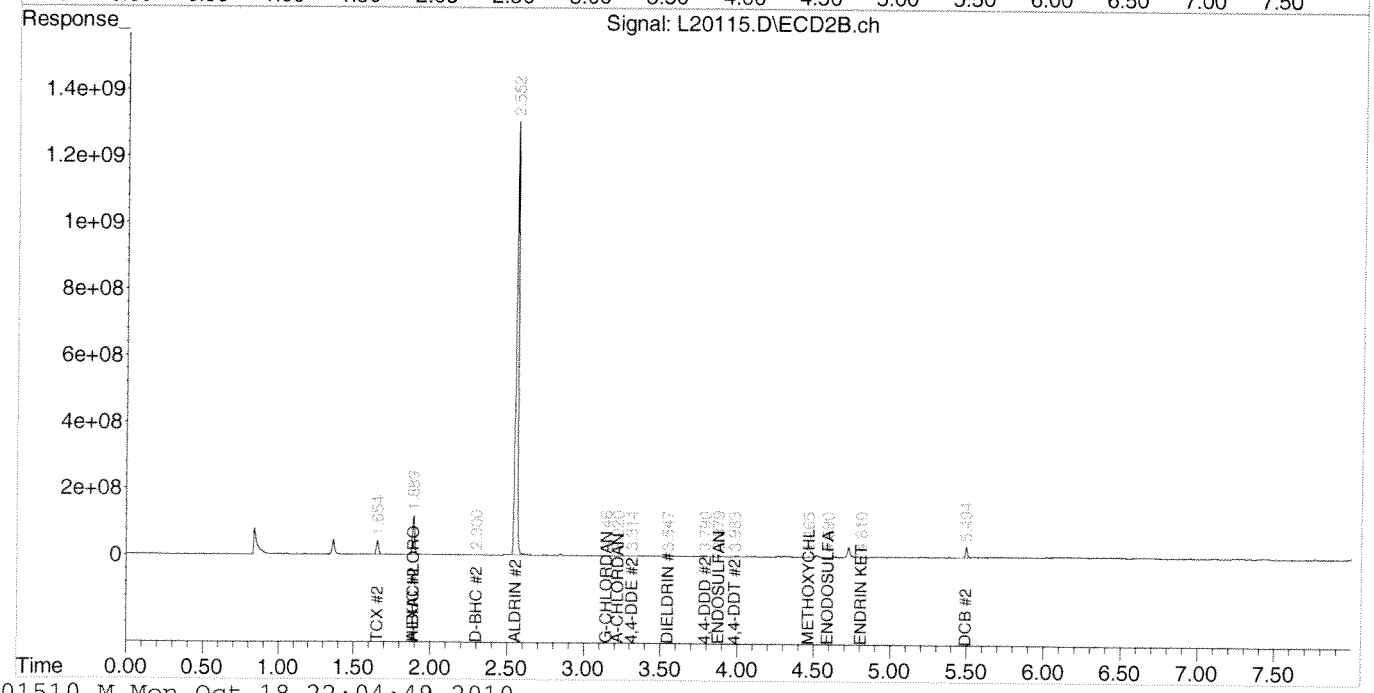
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 4:39 pm
Operator : MAG/JLL
Sample : 67967-2,, RR
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:49 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





PESTICIDE
RETENTION TIME CHECK

Sample Name 67967-2,, RR
Date Acquired 10/18/2010 16:39
Data File Name L20115.D

METHOD: **C:\msdchem\1\METHODS\PT101510.M**
LEVEL 5 OPENING STANDARD: **L20108SC.D**

10/19/10

Name	67967-2,, RR Ret Time	Opening Std Ret Time	RT Difference	Instrument L Window	Range RT	to RT	Pass
TCX	1.9732	1.9810	0.0078	0.0101	1.9709	1.9911	OK
HEXACHLOROBENZENE	2.2968	2.3068	0.0100	0.0132	2.2936	2.3200	OK
A-BHC	2.3884	2.3963	0.0079	0.0144	2.3819	2.4107	OK
G-BHC	2.6298	2.6629	0.0332	0.0160	2.6469	2.6789	*
B-BHC	2.6298	2.7241	0.0943	0.0170	2.7071	2.7411	*
D-BHC	2.9002	2.9562	0.0561	0.0178	2.9384	2.9740	*
HEPTACHLOR	3.0875	3.0086	0.0789	0.0175	2.9911	3.0261	*
ALDRIN	3.2790	3.2701	0.0090	0.0175	3.2526	3.2876	OK
HEPTACHLOR EPOXIDE	3.7140	3.7293	0.0153	0.0182	3.7111	3.7475	OK
G-CHLORDANE	3.8890	3.8872	0.0018	0.0177	3.8695	3.9049	OK
A-CHLORDANE	0.0000	4.0062	4.0062	0.0178	3.9884	4.0240	*
ENDOSULFAN I	4.1283	4.0565	0.0717	0.0179	4.0386	4.0744	*
4,4-DDE	4.1283	4.1414	0.0131	0.0182	4.1232	4.1596	OK
DIELDRIN	4.2766	4.2846	0.0081	0.0188	4.2658	4.3034	OK
ENDRIN	4.5278	4.5424	0.0146	0.0184	4.5240	4.5608	OK
4,4-DDD	4.6195	4.6315	0.0120	0.0168	4.6147	4.6483	OK
ENDOSULFAN II	4.7196	4.7225	0.0030	0.0177	4.7048	4.7402	OK
4,4-DDT	4.8812	4.8897	0.0085	0.0145	4.8752	4.9042	OK
ENDRIN ALDEHYDE	4.9914	4.9882	0.0033	0.0150	4.9732	5.0032	OK
ENODOSULFAN SULFATE	5.1668	5.1871	0.0204	0.0142	5.1729	5.2013	*
METHOXYCHLOR	5.3775	5.3718	0.0057	0.0123	5.3595	5.3841	OK
ENDRIN KETONE	5.5186	5.5371	0.0185	0.0120	5.5251	5.5491	*
DCB	6.2006	6.2076	0.0070	0.0112	6.1964	6.2188	OK
TCX #2	1.6542	1.6541	0.0001	0.0054	1.6487	1.6595	OK
HEXACHLOROBENZENE #2	1.8895	1.8594	0.0301	0.0038	1.8556	1.8632	*
A-BHC #2	1.8895	1.9499	0.0604	0.0038	1.9461	1.9537	*
G-BHC #2	2.1621	2.1370	0.0251	0.0029	2.1341	2.1399	*
B-BHC #2	2.2041	2.1907	0.0134	0.0025	2.1882	2.1932	*
D-BHC #2	2.3014	2.3057	0.0043	0.0025	2.3032	2.3082	*
HEPTACHLOR #2	2.3797	2.4427	0.0630	0.0022	2.4405	2.4449	*
ALDRIN #2	2.5528	2.6464	0.0936	0.0017	2.6447	2.6481	*
HEPTACHLOR EPOXIDE #2	3.0714	3.0735	0.0021	0.0016	3.0719	3.0751	*
G-CHLORDANE #2	3.1468	3.1675	0.0207	0.0018	3.1657	3.1693	*
A-CHLORDANE #2	3.2209	3.2644	0.0435	0.0019	3.2625	3.2663	*
ENDOSULFAN I #2	3.3690	3.3643	0.0047	0.0011	3.3632	3.3654	*
4,4-DDE #2	3.3149	3.3307	0.0158	0.0029	3.3278	3.3336	*
DIELDRIN #2	3.5473	3.5455	0.0018	0.0015	3.5440	3.5470	*
ENDRIN #2	3.7159	3.7220	0.0061	0.0012	3.7208	3.7232	*
4,4-DDD #2	3.7900	3.7922	0.0022	0.0117	3.7805	3.8039	OK
ENDOSULFAN II #2	3.8792	3.8979	0.0187	0.0021	3.8958	3.9000	*
4,4-DDT #2	3.9832	4.0110	0.0278	0.0064	4.0046	4.0174	*
ENDRIN ALDEHYDE #2	4.2166	4.2290	0.0124	0.0023	4.2267	4.2313	*
ENODOSULFAN SULFATE #2	4.5907	4.5791	0.0116	0.0025	4.5766	4.5816	*
METHOXYCHLOR #2	4.4652	4.4156	0.0496	0.0136	4.4020	4.4292	*
ENDRIN KETONE #2	4.8104	4.8017	0.0088	0.0021	4.7996	4.8038	*
DCB #2	5.4945	5.4976	0.0031	0.0038	5.4938	5.5014	OK

10.19.10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID: 67967-3
Matrix: Solid
Percent Solid: 80
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/16/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-01

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	6	U	Endosulfan II	6	U
b-BHC	6	U	4,4'-DDD	6	U
d-BHC	6	U	Endosulfan Sulfate	6	U
g-BHC	6	U	4,4'-DDT	6	U
Heptachlor	6	U	Methoxychlor	18	U
Aldrin	6	U	Endrin Ketone	6	U
Heptachlor Epoxide	6	U	Endrin Aldehyde	6	U
Endosulfan I	6	U	alpha-Chlordane	6	U
Dieldrin	6	U	gamma-Chlordane	6	U
4,4'-DDE	6	U	Toxaphene	79	U
Endrin	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	59	%
Decachlorobiphenyl	59	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20095.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 9:51 am
Operator : AR
Sample : 67967-3
Misc : SOIL
ALS Vial : 42 Sample Multiplier: 1

DF=1.22

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:16 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

ND Pest
JL 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	1.974	1.654	210.9E6	386.3E6	59.028	54.734
Spiked Amount 100.000	Range	40 - 130	Recovery	=	59.03%	54.73%
23) S DCB	6.203	5.496	119.5E6	234.7E6	59.213	42.834 #
Spiked Amount 100.000	Range	40 - 130	Recovery	=	59.21%	42.83%
Target Compounds						
2) TM HEXACHLOR...	2.298	1.860	8045881	13253809	~~0.570~~	~~1.181~~ #
3) TM A-BHC	2.350	1.947	5537003	52355152	1.067	4.549 #
4) TM G-BHC	2.645	2.127	34634077	10605207	7.020	0.730 #
5) TM B-BHC	2.771	2.209	1923669	40880683	N.D.	7.914
6) TM D-BHC	2.946	2.301	4524147	1437056	1.006	N.D. #
10) TM G-CHLORDANE	3.891	3.168	2674.6E6	3147022	~~720.352~~	~~N.D.~~ #
11) TM A-CHLORDANE	3.939	3.220	47865562	89965603	~~11.474~~	~~10.752~~
13) TM 4,4-DDE	4.128	3.327	3785266	6412775	~~0.120~~	~~1.513~~ #
14) TM DIELDRIN	4.262	3.549	12455901	9479338	2.207	0.111 #
16) TM 4,4-DDD	4.626	3.802	2684209	8138490	N.D.	1.093
18) TM 4,4-DDT	4.882	4.006	11933924	33936082	3.405	4.323 #
19) TM ENDRIN AL...	4.986	4.219	9875444	19759685	2.321	2.096
21) TM METHOXYCHLOR	5.368	4.435	50930854	18906461	32.120	3.506 #
22) TM ENDRIN KE...	5.519	4.811	7734096	23026352	~~1.512~~	~~1.840~~

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

15.37g
%OSD=80.22

10/19/10

10.19.10

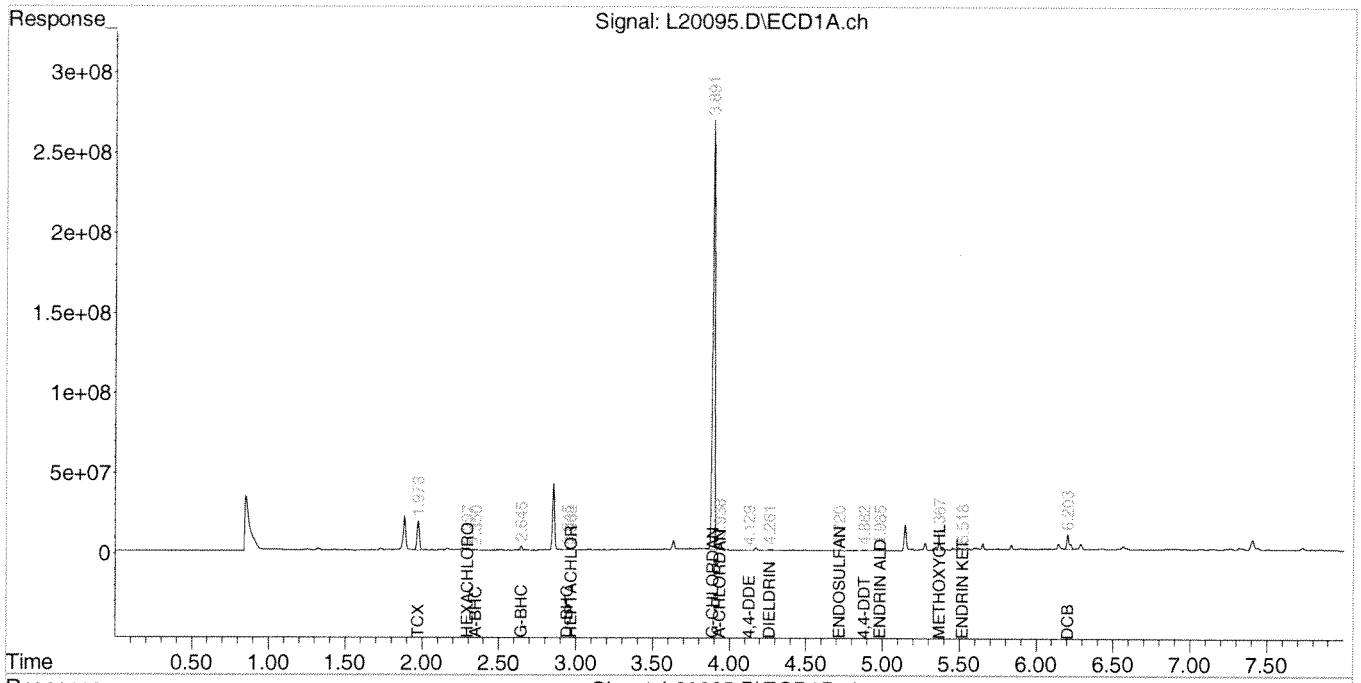
Quantitation Report (Not Reviewed)

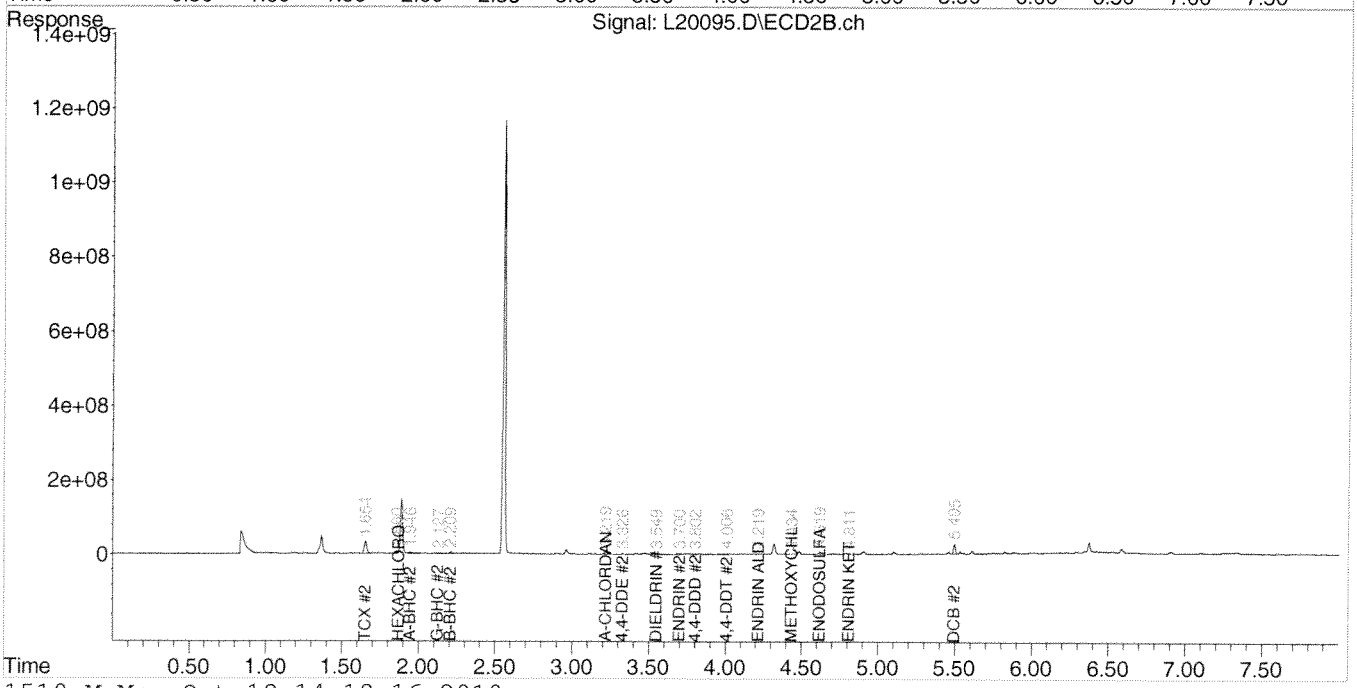
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20095.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 9:51 am
Operator : AR
Sample : 67967-3
Misc : SOIL
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:16 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20095.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 9:51 am
Operator : AR
Sample : 67967-3
Misc : SOIL
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 14:23:10 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

ND CH JW 10.18.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.894	2.410	11492438	19381488	0.065	0.071
2) L1M Chlordane-2	3.020	2.436	12989261	11564272	0.060	0.030 #
3) L1M Chlordane-3	3.375	2.748	19050144	2833358	0.114	0.004 #
4) L1M Chlordane-4	3.803	3.010	41264581	7625789	0.252	0.031 #
5) L1M G-Chlordane	3.939	3.168	68993738	3154267	0.158	0.005 #
6) L1M A-Chlordane	3.988	3.276	12494825	977598	0.029	0.002 #
Sum Chlordane-1			166.3E6	45536773	0.677	0.144
Average Chlordane-1					0.113	0.024
7) L2M Toxaphene-1	4.412	3.473	6723897	41021304	0.124	0.342 #
8) L2M Toxaphene-2	4.720	3.549	8041155	9506588	0.082	0.079
9) L2M Toxaphene-3	4.720	3.761	8041155	24933692	0.094	0.075
10) L2M Toxaphene-4	4.803	3.882	2133811	1929174	0.018	0.010 #
11) L2M Toxaphene-5	4.986	4.164	10376165	13704046	0.093	0.054 #
12) L2M Toxaphene-6	5.368	4.435	53286294	18945102	1.003	0.075 #
13) L2M Toxaphene-7	5.418	4.484	2741923	88914338	0.091	0.368 #
Sum Toxaphene-1			91344400	199.0E6	1.505	1.003
Average Toxaphene-1					0.215	0.143

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

10/19/10 10.19.10

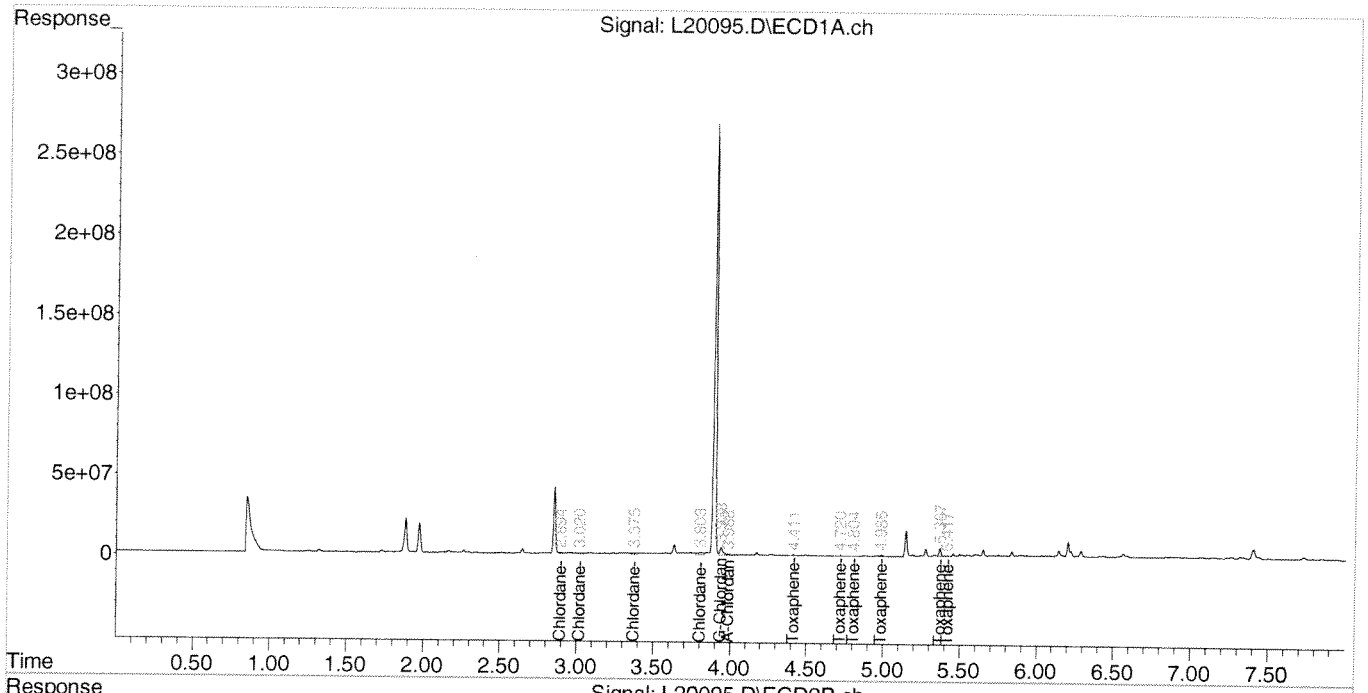
Quantitation Report (Not Reviewed)

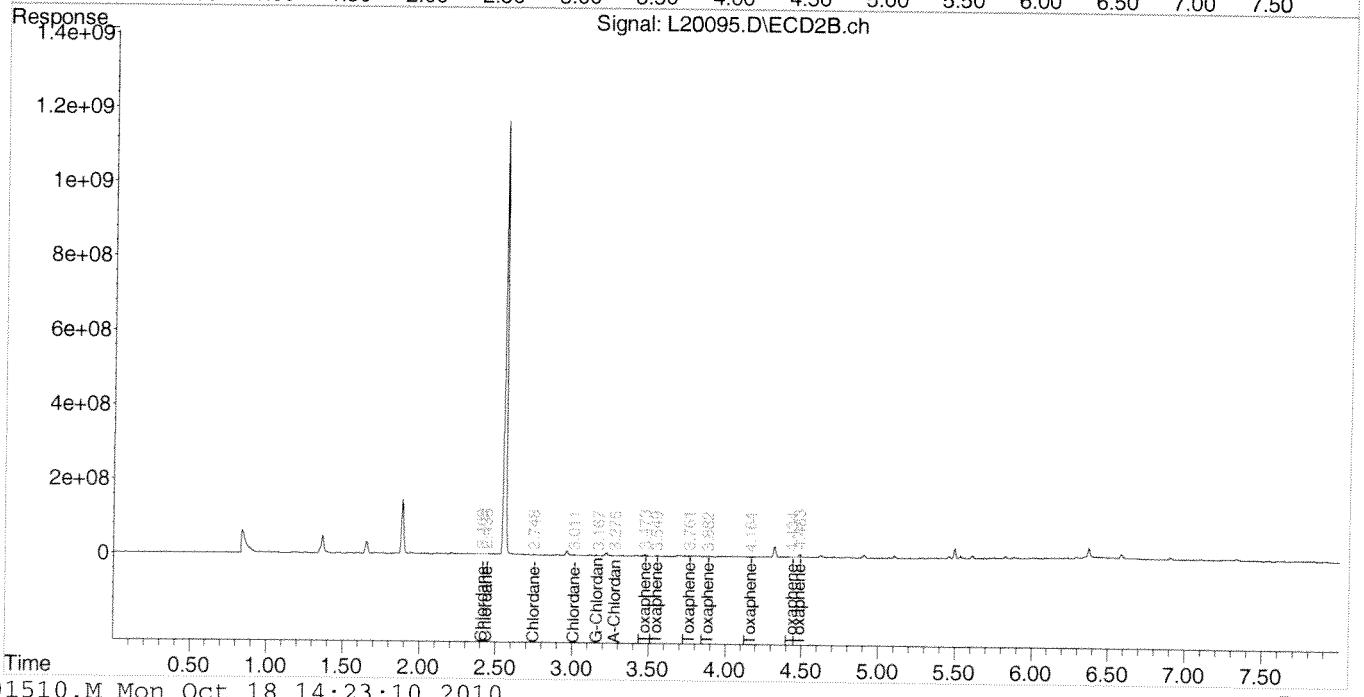
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20095.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 9:51 am
Operator : AR
Sample : 67967-3
Misc : SOIL
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 14:23:10 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 10.18.10

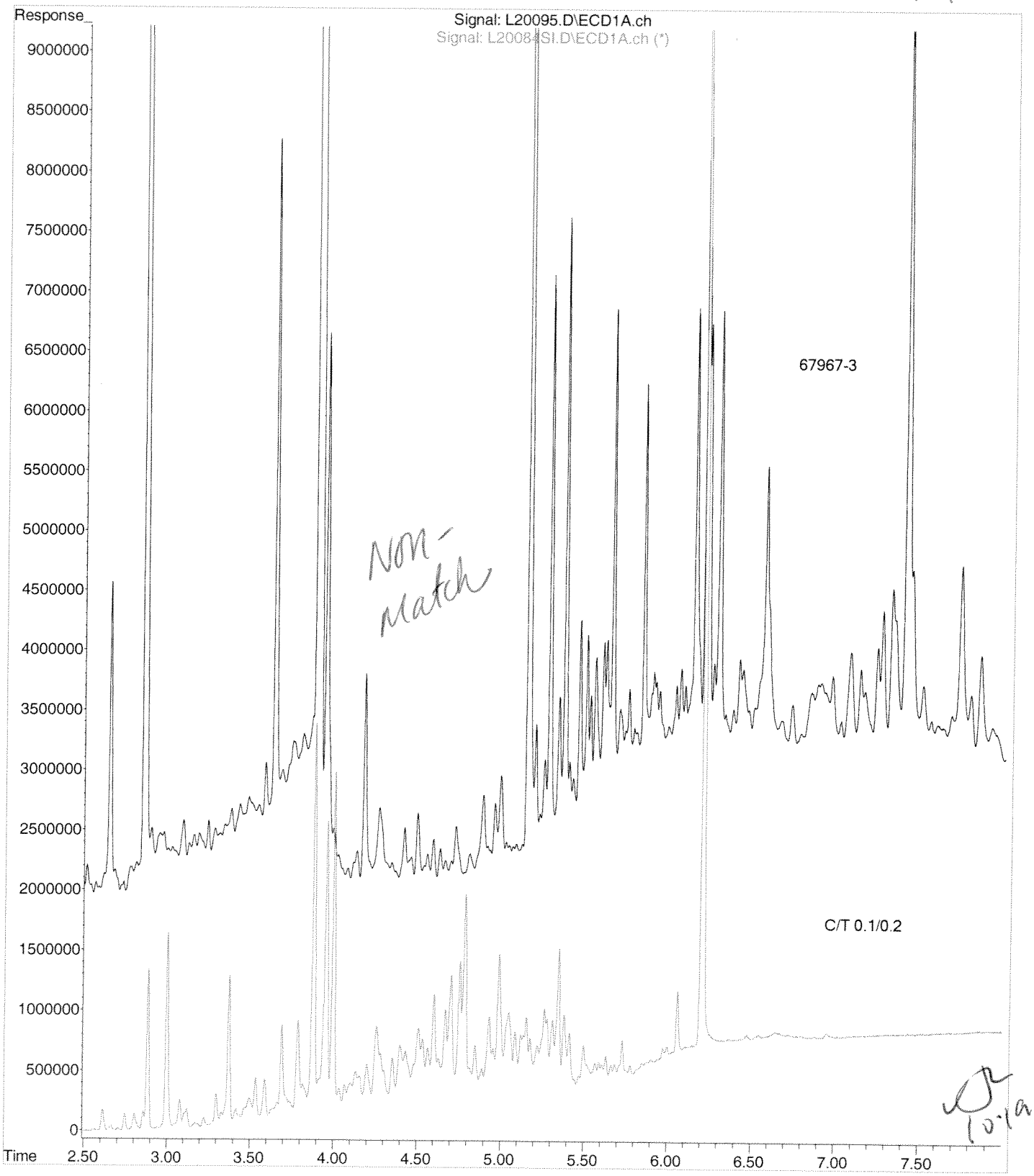
Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





File :C:\msdchem\1\DATA\101510-L\L20095.D
Operator : AR
Acquired : 16 Oct 10 9:51 am using AcqMethod PEST.M
Instrument : Inst L
Sample Name: 67967-3
Misc Info : SOIL
Vial Number: 42

10/19/10



10-19-10

PESTICIDE
RETENTION TIME CHECK

Sample Name 67967-3
Date Acquired 10/16/2010 9:51
Data File Name L20095.D

METHOD: **C:\msdchem\1\METHODS\PT101510.M**
LEVEL 5 OPENING STANDARD: **L20076SI.D**

10/19/10

Name	67967-3 Ret Time	Opening Std Ret Time	RT Difference	Instrument L Window	Range RT	to RT	Pass
TCX	1.9736	1.9750	0.0015	0.0101	1.9649	1.9851	OK
HEXACHLOROBENZENE	2.2977	2.3001	0.0024	0.0132	2.2869	2.3133	OK
A-BHC	2.3499	2.3892	0.0393	0.0144	2.3748	2.4036	*
G-BHC	2.6451	2.6551	0.0100	0.0160	2.6391	2.6711	OK
B-BHC	2.7708	2.7162	0.0545	0.0170	2.6992	2.7332	*
D-BHC	2.9455	2.9482	0.0026	0.0178	2.9304	2.9660	OK
HEPTACHLOR	2.9675	3.0004	0.0329	0.0175	2.9829	3.0179	*
ALDRIN	3.2775	3.2617	0.0158	0.0175	3.2442	3.2792	OK
HEPTACHLOR EPOXIDE	3.7438	3.7211	0.0228	0.0182	3.7029	3.7393	*
G-CHLORDANE	3.8914	3.8891	0.0023	0.0177	3.8714	3.9068	OK
A-CHLORDANE	3.9389	3.9978	0.0589	0.0178	3.9800	4.0156	*
ENDOSULFAN I	4.1279	4.0484	0.0795	0.0179	4.0305	4.0663	*
4,4-DDE	4.1279	4.1331	0.0052	0.0182	4.1149	4.1513	OK
DIELDRIN	4.2618	4.2770	0.0152	0.0188	4.2582	4.2958	OK
ENDRIN	4.5501	4.5346	0.0155	0.0184	4.5162	4.5530	OK
4,4-DDD	4.6264	4.6235	0.0029	0.0168	4.6067	4.6403	OK
ENDOSULFAN II	4.7196	4.7154	0.0042	0.0177	4.6977	4.7331	OK
4,4-DDT	4.8816	4.8828	0.0012	0.0145	4.8683	4.8973	OK
ENDRIN ALDEHYDE	4.9859	4.9821	0.0038	0.0150	4.9671	4.9971	OK
ENODOSULFAN SULFATE	5.1925	5.1812	0.0113	0.0142	5.1670	5.1954	OK
METHOXYCHLOR	5.3676	5.3665	0.0011	0.0123	5.3542	5.3788	OK
ENDRIN KETONE	5.5187	5.5322	0.0135	0.0120	5.5202	5.5442	*
DCB	6.2033	6.2043	0.0010	0.0112	6.1931	6.2155	OK
TCX #2	1.6545	1.6559	0.0015	0.0054	1.6505	1.6613	OK
HEXACHLOROBENZENE #2	1.8602	1.8612	0.0010	0.0038	1.8574	1.8650	OK
A-BHC #2	1.9465	1.9513	0.0048	0.0038	1.9475	1.9551	*
G-BHC #2	2.1273	2.1382	0.0110	0.0029	2.1353	2.1411	*
B-BHC #2	2.2090	2.1923	0.0167	0.0025	2.1898	2.1948	*
D-BHC #2	2.3015	2.3070	0.0055	0.0025	2.3045	2.3095	*
HEPTACHLOR #2	2.4356	2.4436	0.0080	0.0022	2.4414	2.4458	*
ALDRIN #2	2.6998	2.6474	0.0525	0.0017	2.6457	2.6491	*
HEPTACHLOR EPOXIDE #2	3.0754	3.0740	0.0013	0.0016	3.0724	3.0756	OK
G-CHLORDANE #2	3.1680	3.1679	0.0000	0.0018	3.1661	3.1697	OK
A-CHLORDANE #2	3.2198	3.2635	0.0437	0.0019	3.2616	3.2654	*
ENDOSULFAN I #2	3.3740	3.3647	0.0093	0.0011	3.3636	3.3658	*
4,4-DDE #2	3.3266	3.3310	0.0045	0.0029	3.3281	3.3339	*
DIELDRIN #2	3.5493	3.5459	0.0034	0.0015	3.5444	3.5474	*
ENDRIN #2	3.7002	3.7225	0.0223	0.0012	3.7213	3.7237	*
4,4-DDD #2	3.8019	3.7917	0.0101	0.0117	3.7800	3.8034	OK
ENDOSULFAN II #2	3.8606	3.8985	0.0379	0.0021	3.8964	3.9006	*
4,4-DDT #2	4.0063	4.0104	0.0040	0.0064	4.0040	4.0168	OK
ENDRIN ALDEHYDE #2	4.2189	4.2295	0.0106	0.0023	4.2272	4.2318	*
ENODOSULFAN SULFATE #2	4.6194	4.5794	0.0400	0.0025	4.5769	4.5819	*
METHOXYCHLOR #2	4.4346	4.4150	0.0196	0.0136	4.4014	4.4286	*
ENDRIN KETONE #2	4.8111	4.8020	0.0091	0.0021	4.7999	4.8041	*
DCB #2	5.4957	5.4972	0.0015	0.0038	5.4934	5.5010	OK

10/19/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: WC-B82-GTM-01

Lab Sample ID: 67967-3 RR
Matrix: Solid
Percent Solid: 80
Dilution Factor: 1.2
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/18/10

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	6	U	Endosulfan II	6	U
b-BHC	6	U	4,4'-DDD	6	U
d-BHC	6	U	Endosulfan Sulfate	6	U
g-BHC	6	U	4,4'-DDT	6	U
Heptachlor	6	U	Methoxychlor	18	U
Aldrin	6	U	Endrin Ketone	6	U
Heptachlor Epoxide	6	U	Endrin Aldehyde	6	U
Endosulfan I	6	U	alpha-Chlordane	6	U
Dieldrin	6	U	gamma-Chlordane	6	U
4,4'-DDE	6	U	Toxaphene	79	U
Endrin	6	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	59	%
Decachlorobiphenyl	57	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 4:49 pm
Operator : MAG/JLL
Sample : 67967-3, RR
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:51 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

10/19/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
1) S TCX	1.972	1.654	212.2E6	403.0E6	59.392	57.156	
Spiked Amount	100.000	Range 46 - 122	Recovery =		59.39%	57.16%	
23) S DCB	6.201	5.493	115.4E6	295.3E6	57.114	53.644	
Spiked Amount	100.000	Range 40 - 135	Recovery =		57.11%	53.64%	
Target Compounds							
2) TM HEXACHLOR...	2.296	1.860	7564217	14981476	0.448	1.397	#
3) TM A-BHC	2.332	1.946	5848212	52832936	1.125	4.592	#
4) TM G-BHC	2.643	2.126	34221497	11361614	6.934	0.806	#
5) TM B-BHC	2.770	2.208	1921101	45301366	N.D.	9.060	
6) TM D-BHC	2.965	2.282	4588458	3825805	1.020	0.193	#
9) TM HEPTACHLO...	3.747	3.074	10749848	6319067	1.155	N.D.	#
10) TM G-CHLORDANE	3.888	3.151	2605.8E6	13714797	701.618	1.024	#
11) TM A-CHLORDANE	3.936	3.218	46822763	103.5E6	11.185	12.338	
13) TM 4,4-DDE	4.125	3.324	3707328	16417423	0.099	2.786	#
14) TM DIELDRIN	4.260	3.547	10093851	21180116	1.581	1.459	
15) TM ENDRIN	4.582	3.698	3181950	12963971	N.D.	0.504	
16) TM 4,4-DDD	4.623	3.799	2586792	14867745	N.D.	2.098	
17) TM ENDOSULFA...	4.717	3.878	6337803	36230696	N.D.	2.962	
18) TM 4,4-DDT	4.879	4.004	12913401	33638422	3.714	4.285	
19) TM ENDRIN AL...	4.982	4.216	8425795	28116728	1.676	3.654	#
21) TM METHOXYCHLOR	5.365	4.432	46455519	22102527	29.146	4.362	#
22) TM ENDRIN KE...	5.518	4.809	112.9E6	25560974	33.908	2.157	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Confirms

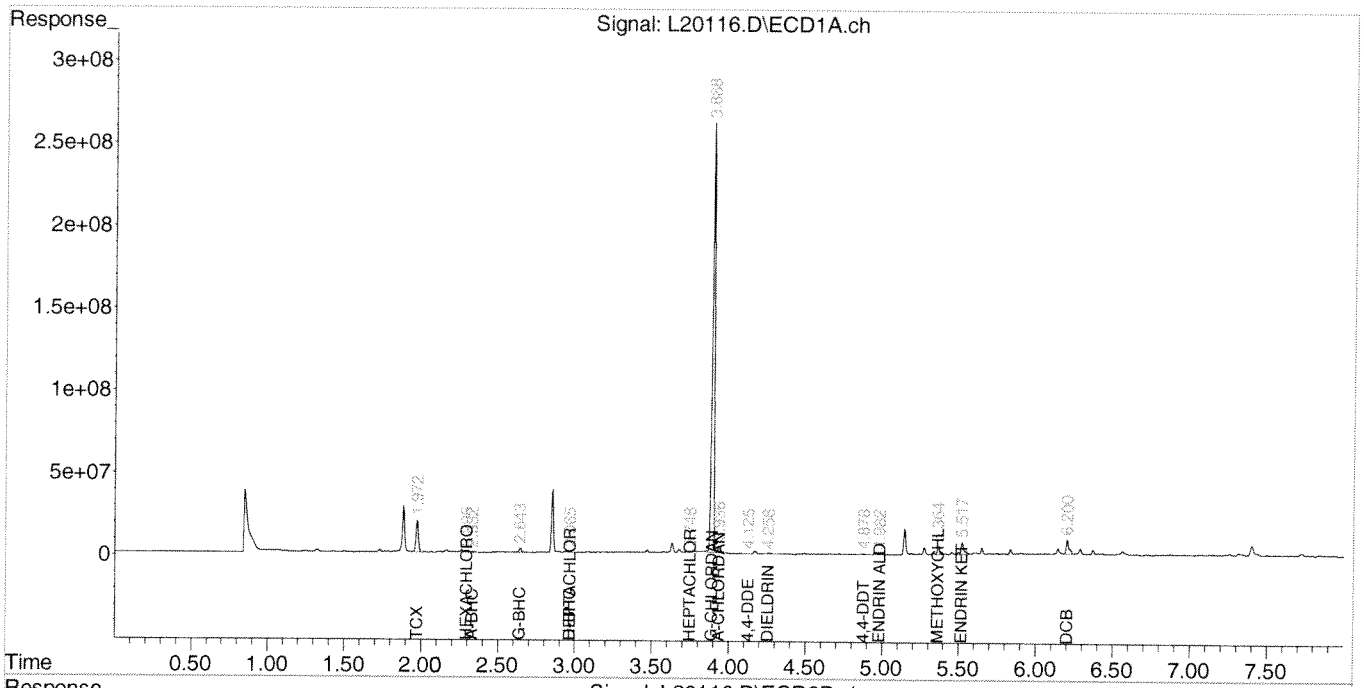
10.19.10

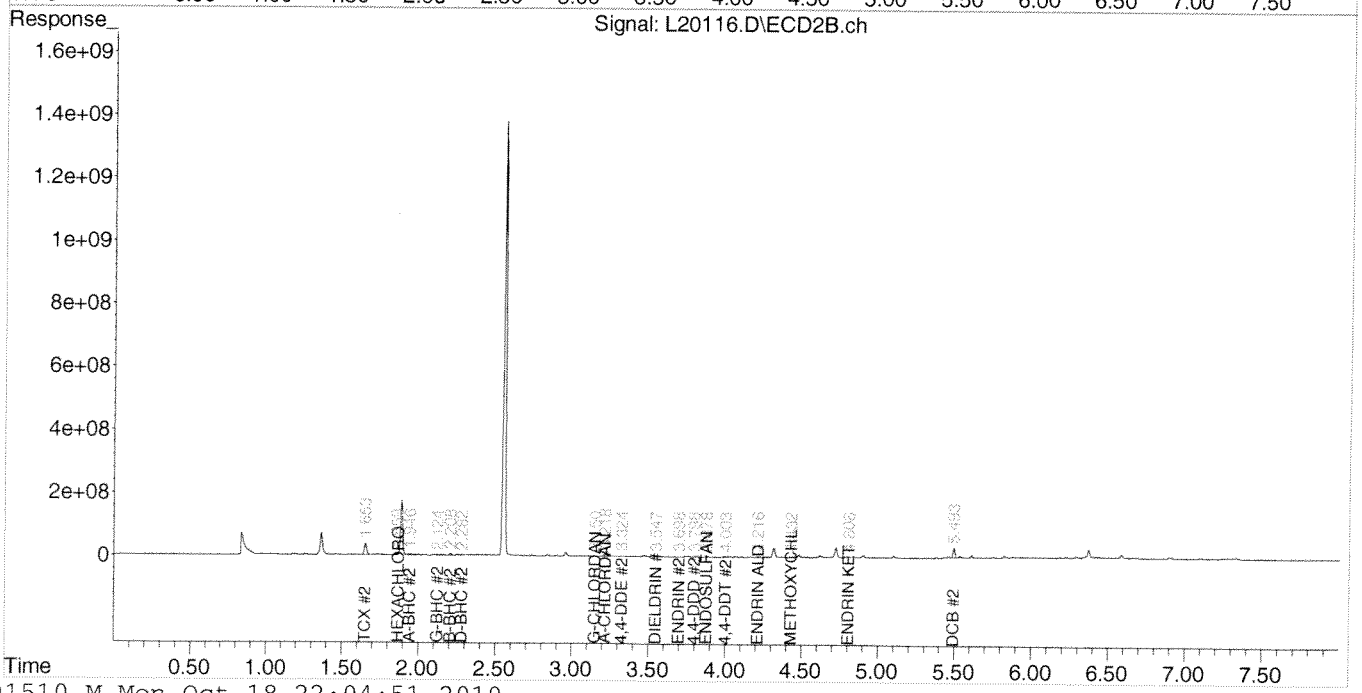
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 4:49 pm
Operator : MAG/JLL
Sample : 67967-3,, RR
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:51 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





PESTICIDE
RETENTION TIME CHECK

Sample Name 67967-3,, RR
Date Acquired 10/18/2010 16:49
Data File Name L20116.D

METHOD: **C:\msdchem\1\METHODS\PT101510.M**
LEVEL 5 OPENING STANDARD: **L20108SC.D**

10/19/10

Name	67967-3,, RR Ret Time	Opening Std Ret Time	RT Difference	Instrument L Window	Range RT	to RT	Pass
TCX	1.9725	1.9810	0.0085	0.0101	1.9709	1.9911	OK
HEXACHLOROBENZENE	2.2963	2.3068	0.0105	0.0132	2.2936	2.3200	OK
A-BHC	2.3320	2.3963	0.0642	0.0144	2.3819	2.4107	*
G-BHC	2.6432	2.6629	0.0198	0.0160	2.6469	2.6789	*
B-BHC	2.7703	2.7241	0.0462	0.0170	2.7071	2.7411	*
D-BHC	2.9655	2.9562	0.0092	0.0178	2.9384	2.9740	OK
HEPTACHLOR	2.9655	3.0086	0.0431	0.0175	2.9911	3.0261	*
ALDRIN	3.2753	3.2701	0.0053	0.0175	3.2526	3.2876	OK
HEPTACHLOR EPOXIDE	3.7468	3.7293	0.0175	0.0182	3.7111	3.7475	OK
G-CHLORDANE	3.8884	3.8872	0.0012	0.0177	3.8695	3.9049	OK
A-CHLORDANE	3.9361	4.0062	0.0701	0.0178	3.9884	4.0240	*
ENDOSULFAN I	4.1255	4.0565	0.0689	0.0179	4.0386	4.0744	*
4,4-DDE	4.1255	4.1414	0.0160	0.0182	4.1232	4.1596	OK
DIELDRIN	4.2596	4.2846	0.0250	0.0188	4.2658	4.3034	*
ENDRIN	4.5818	4.5424	0.0394	0.0184	4.5240	4.5608	*
4,4-DDD	4.6231	4.6315	0.0084	0.0168	4.6147	4.6483	OK
ENDOSULFAN II	4.7169	4.7225	0.0057	0.0177	4.7048	4.7402	OK
4,4-DDT	4.8790	4.8897	0.0107	0.0145	4.8752	4.9042	OK
ENDRIN ALDEHYDE	4.9821	4.9882	0.0061	0.0150	4.9732	5.0032	OK
ENODOSULFAN SULFATE	5.1897	5.1871	0.0026	0.0142	5.1729	5.2013	OK
METHOXYCHLOR	5.3647	5.3718	0.0071	0.0123	5.3595	5.3841	OK
ENDRIN KETONE	5.5178	5.5371	0.0193	0.0120	5.5251	5.5491	*
DCB	6.2007	6.2076	0.0069	0.0112	6.1964	6.2188	OK
TCX #2	1.6538	1.6541	0.0003	0.0054	1.6487	1.6595	OK
HEXACHLOROBENZENE #2	1.8595	1.8594	0.0002	0.0038	1.8556	1.8632	OK
A-BHC #2	1.9460	1.9499	0.0039	0.0038	1.9461	1.9537	*
G-BHC #2	2.1255	2.1370	0.0115	0.0029	2.1341	2.1399	*
B-BHC #2	2.2080	2.1907	0.0173	0.0025	2.1882	2.1932	*
D-BHC #2	2.2822	2.3057	0.0235	0.0025	2.3032	2.3082	*
HEPTACHLOR #2	2.4335	2.4427	0.0092	0.0022	2.4405	2.4449	*
ALDRIN #2	2.6986	2.6464	0.0522	0.0017	2.6447	2.6481	*
HEPTACHLOR EPOXIDE #2	3.0738	3.0735	0.0003	0.0016	3.0719	3.0751	OK
G-CHLORDANE #2	3.1507	3.1675	0.0168	0.0018	3.1657	3.1693	*
A-CHLORDANE #2	3.2180	3.2644	0.0464	0.0019	3.2625	3.2663	*
ENDOSULFAN I #2	3.3706	3.3643	0.0063	0.0011	3.3632	3.3654	*
4,4-DDE #2	3.3244	3.3307	0.0063	0.0029	3.3278	3.3336	*
DIELDRIN #2	3.5473	3.5455	0.0019	0.0015	3.5440	3.5470	*
ENDRIN #2	3.6982	3.7220	0.0238	0.0012	3.7208	3.7232	*
4,4-DDD #2	3.7987	3.7922	0.0065	0.0117	3.7805	3.8039	OK
ENDOSULFAN II #2	3.8783	3.8979	0.0196	0.0021	3.8958	3.9000	*
4,4-DDT #2	4.0036	4.0110	0.0074	0.0064	4.0046	4.0174	*
ENDRIN ALDEHYDE #2	4.2164	4.2290	0.0126	0.0023	4.2267	4.2313	*
ENODOSULFAN SULFATE #2	4.5778	4.5791	0.0012	0.0025	4.5766	4.5816	OK
METHOXYCHLOR #2	4.4321	4.4156	0.0166	0.0136	4.4020	4.4292	*
ENDRIN KETONE #2	4.8087	4.8017	0.0070	0.0021	4.7996	4.8038	*
DCB #2	5.4935	5.4976	0.0041	0.0038	5.4938	5.5014	*

out by only 0.0003

10.19.10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID: 67967-4
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.0
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/16/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-02

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	70	%
Decachlorobiphenyl	53	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20096.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 10:01 am
Operator : AR
Sample : 67967-4
Misc : SOIL
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:18 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

DF = 1.04

ND Pest

JW 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
1) S TCX	1.975	1.657	247.5E6	472.6E6	69.505	67.190	
Spiked Amount 100.000 Range 40 - 130 Recovery =					69.50%	67.19%	
23) S DCB	6.203	5.496	107.0E6	230.5E6	52.856	42.099	
Spiked Amount 100.000 Range 40 - 130 Recovery =					52.86%	42.10%	
Target Compounds							
2) TM HEXACHLOR...	2.299	1.891	4641499	751.4E6	N.D.	93.342	
3) TM A-BHC	2.353	1.891	2578817	751.4E6	0.516	67.752	#
4) TM G-BHC	2.647	2.143	9228178	8828586	1.754	0.551	#
6) TM D-BHC	2.970	2.290	12093554	4130588	2.573	0.224	#
7) TM HEPTACHLOR	3.004	2.439	5339624	9248902	0.471	N.D.	#
8) TM ALDRIN	3.279	2.554f	1499159	6898.1E6	N.D.	763.153	
10) TM G-CHLORDANE	3.892	3.146	1536.1E6	1523332	410.210	N.D.	#
11) TM A-CHLORDANE	3.939	3.248	14500122	9571641	2.228	1.303	#
13) TM 4,4-DDE	4.132	3.328	4453724	9123385	0.305	1.858	#
14) TM DIELDRIN	4.266	3.549	11513772	17662265	1.957	1.054	#
16) TM 4,4-DDD	4.631	3.796	2596571	9489560	N.D.	1.295	
17) TM ENDOSULFA...	4.722	3.861	11542445	11723896	1.425	N.D.	#
18) TM 4,4-DDT	4.883	4.004	17586595	17351173	5.189	2.176	#
19) TM ENDRIN AL...	4.993	4.220	8269103	8774718	1.606	0.048	#
21) TM METHOXYCHLOR	5.370	4.491f	4907204	11415587	1.535	1.502	
22) TM ENDRIN KE...	5.521	4.813	6823634	22084107	1.231	1.722	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

15.86g
%SD = 90.79

LOL 10.19.10

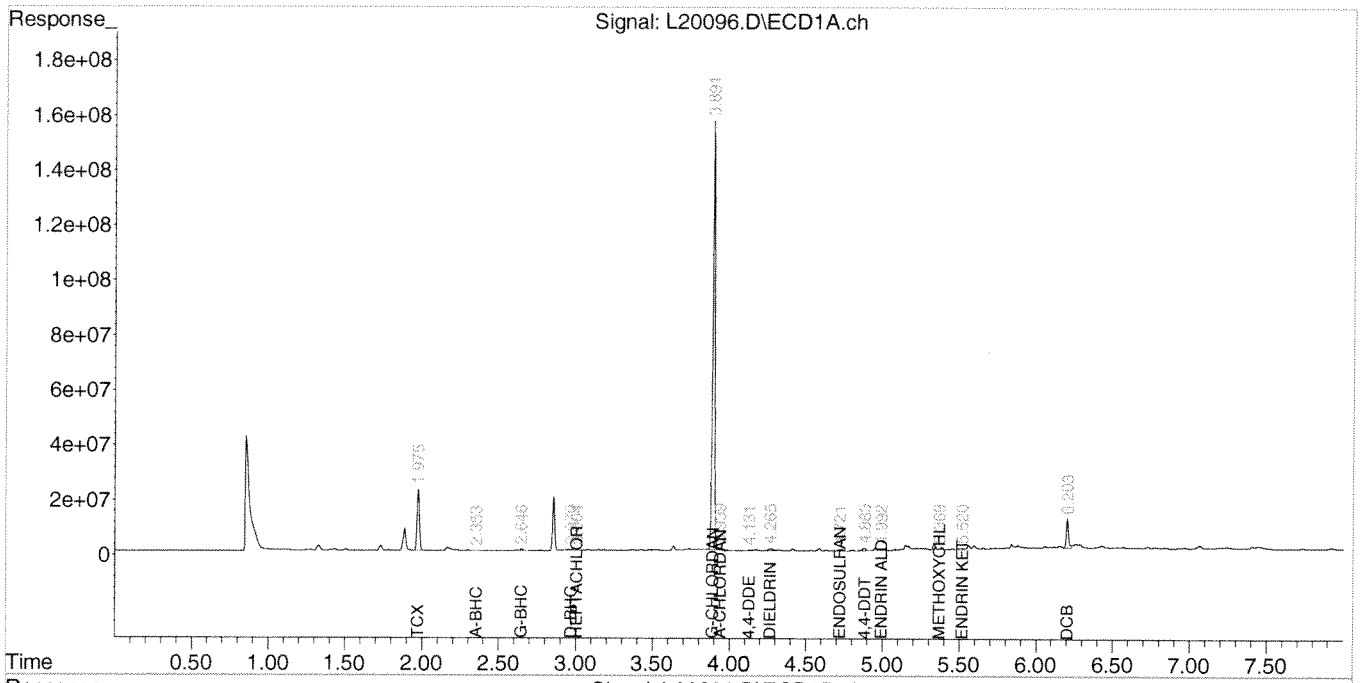
Quantitation Report (Not Reviewed)

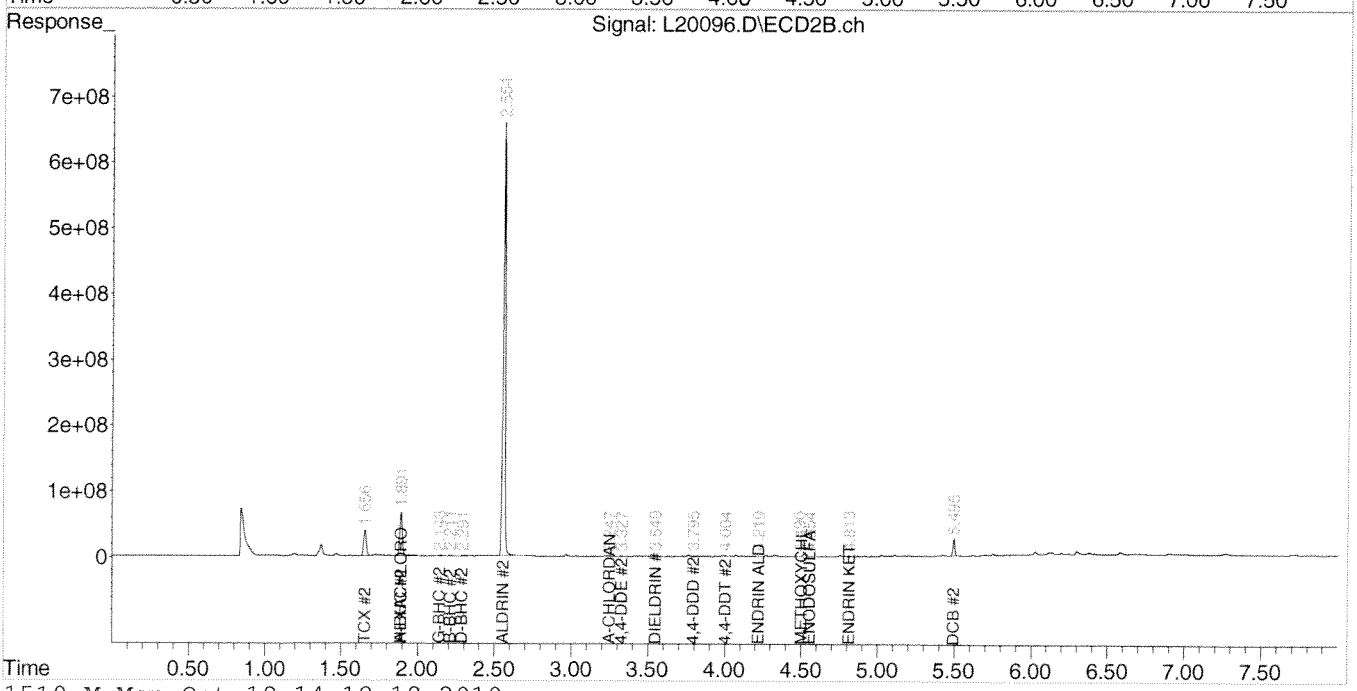
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20096.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 10:01 am
Operator : AR
Sample : 67967-4
Misc : SOIL
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:18 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20096.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 10:01 am
Operator : AR
Sample : 67967-4
Misc : SOIL
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 14:23:12 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

NO C/T SW 10.18.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.901	2.410	3861161	16873694	0.012	0.062 #
2) L1M Chlordane-2	3.004	2.439	8965176	12862464	0.038	0.033
3) L1M Chlordane-3	3.369	2.751	8498686	2135957	0.042	0.002 #
4) L1M Chlordane-4	3.778	3.025	10564672	5768849	0.077	0.024 #
5) L1M G-Chlordane	3.939	3.167	25376264	1457277	0.054	0.004 #
6) L1M A-Chlordane	3.939	3.248	25376264	8819579	0.064	0.006 #
Sum Chlordane-1			82642223	47917821	0.287	0.131
Average Chlordane-1					0.048	0.022
7) L2M Toxaphene-1	4.412	3.479	12285148	12942133	0.221	0.110 #
8) L2M Toxaphene-2	4.722	3.549	11727275	17647737	0.120	0.149
9) L2M Toxaphene-3	4.722	3.763	11727275	30641078	0.135	0.091 #
10) L2M Toxaphene-4	4.804	3.861	4129155	11714693	0.030	0.042 #
11) L2M Toxaphene-5	4.993	4.180	8216592	9689015	0.075	0.040 #
12) L2M Toxaphene-6	5.370	4.408	5835530	4672923	0.120	0.027 #
13) L2M Toxaphene-7	5.419	4.491	1855976	11406054	0.073	0.051 #
Sum Toxaphene-1			55776950	98713634	0.775	0.511
Average Toxaphene-1					0.111	0.073

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

10/19/10 10.19.10

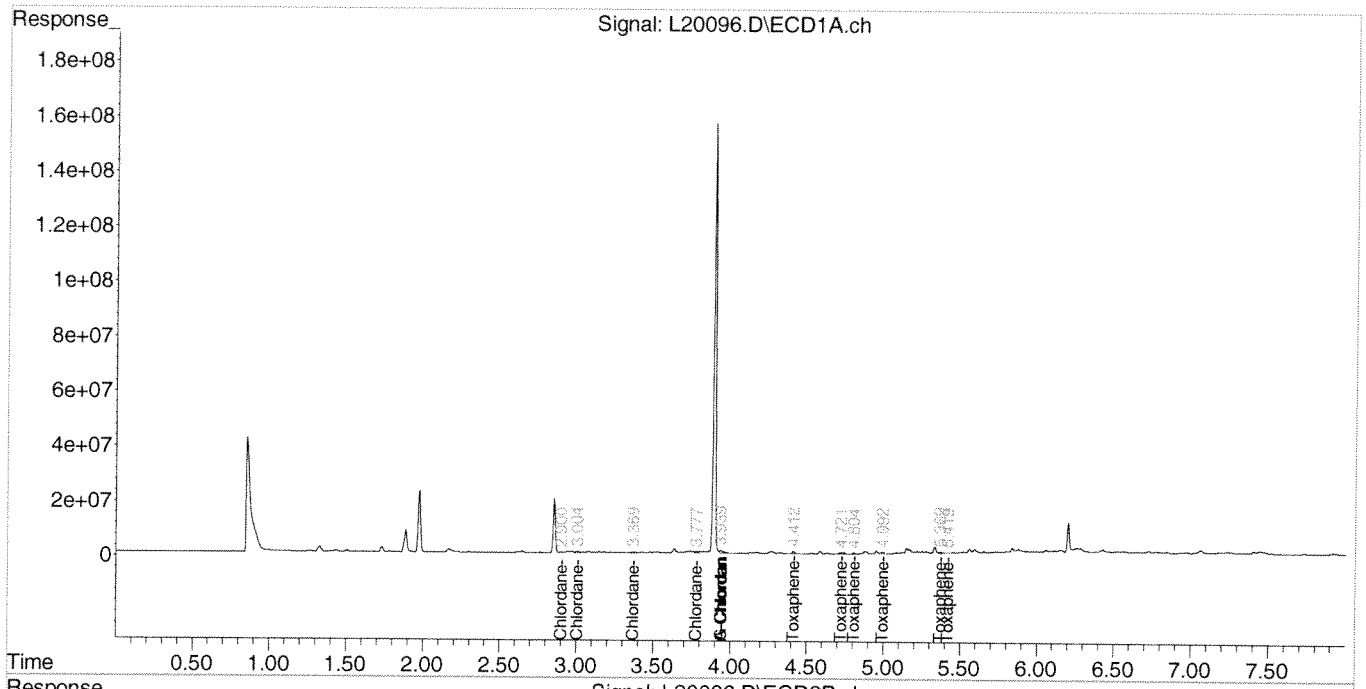
Quantitation Report (Not Reviewed)

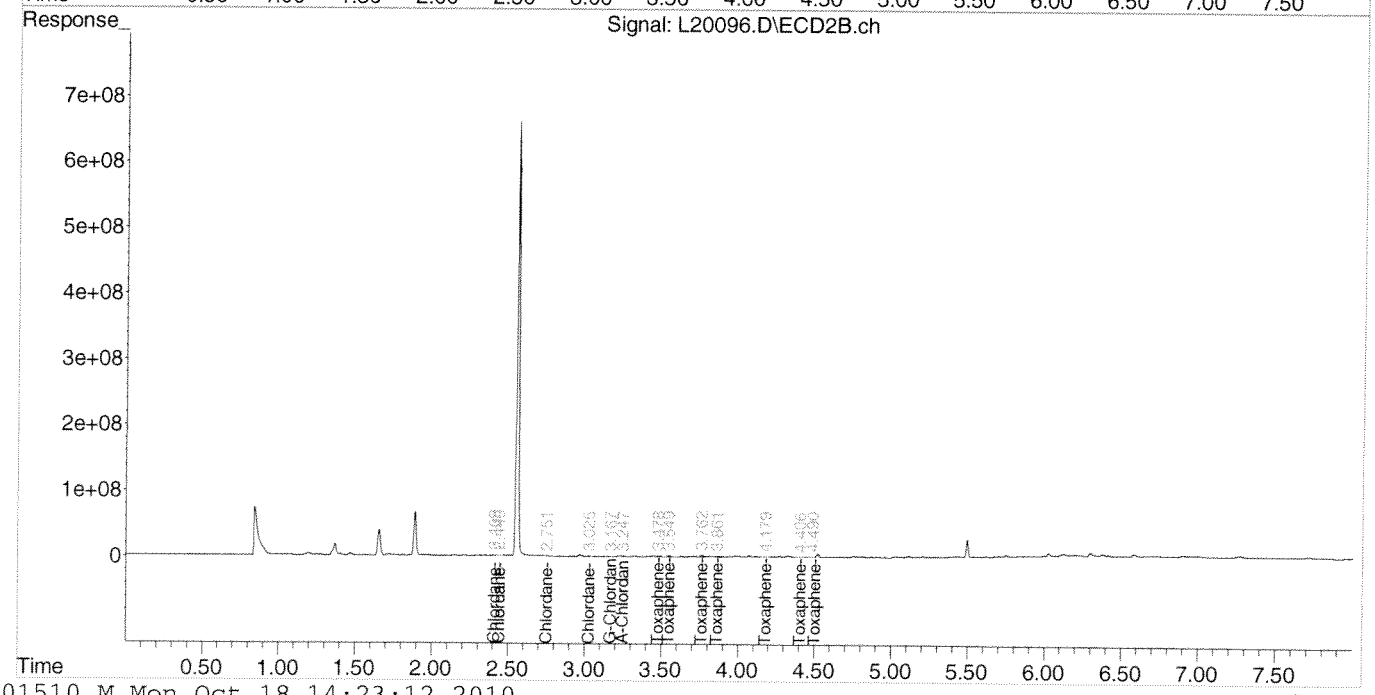
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20096.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 10:01 am
Operator : AR
Sample : 67967-4
Misc : SOIL
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 14:23:12 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

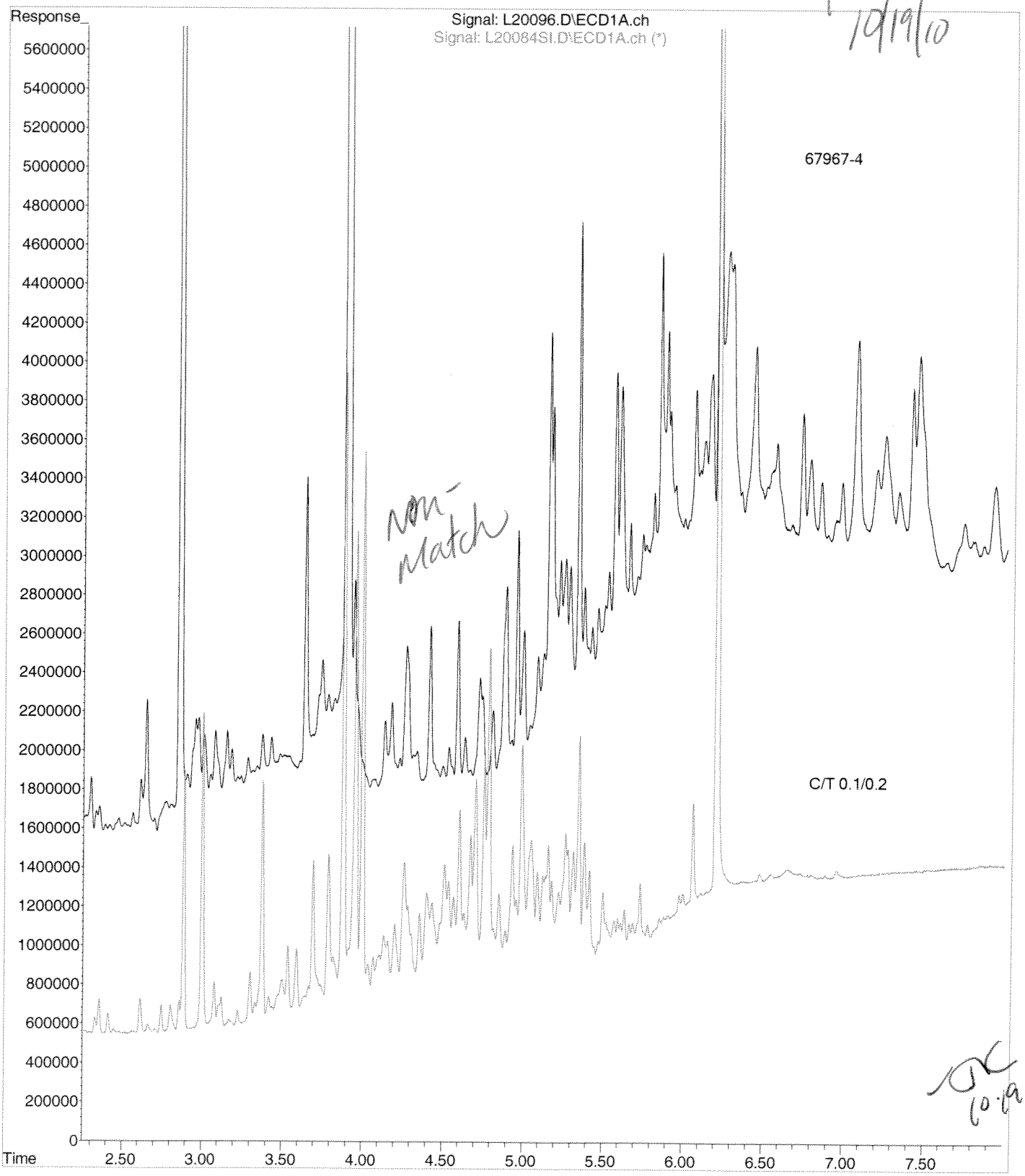
JW 10.18.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





File :C:\msdchem\1\DATA\101510-L\L20096.D
Operator : AR
Acquired : 16 Oct 10 10:01 am using AcqMethod PEST.M
Instrument : Inst L
Sample Name: 67967-4
Misc Info : SOIL
Vial Number: 43



PESTICIDE
RETENTION TIME CHECK

Sample Name 67967-4
Date Acquired 10/16/2010 10:01
Data File Name L20096.D

10/19/10

METHOD: C:\msdchem\1\METHODS\PT101510.M
LEVEL 5 OPENING STANDARD: L20076SI.D

Name	67967-4 Ret Time	Opening Std Ret Time	RT Difference	Instrument L Window	Range RT	to RT	Pass
TCX	1.9752	1.9750	0.0002	0.0101	1.9649	1.9851	OK
HEXACHLOROBENZENE	2.2987	2.3001	0.0014	0.0132	2.2869	2.3133	OK
A-BHC	2.3525	2.3892	0.0367	0.0144	2.3748	2.4036	*
G-BHC	2.6467	2.6551	0.0085	0.0160	2.6391	2.6711	OK
B-BHC	2.7704	2.7162	0.0542	0.0170	2.6992	2.7332	*
D-BHC	2.9699	2.9482	0.0217	0.0178	2.9304	2.9660	*
HEPTACHLOR	3.0044	3.0004	0.0040	0.0175	2.9829	3.0179	OK
ALDRIN	3.2789	3.2617	0.0172	0.0175	3.2442	3.2792	OK
HEPTACHLOR EPOXIDE	3.7390	3.7211	0.0179	0.0182	3.7029	3.7393	OK
G-CHLORDANE	3.8916	3.8891	0.0025	0.0177	3.8714	3.9068	OK
A-CHLORDANE	3.9393	3.9978	0.0585	0.0178	3.9800	4.0156	*
ENDOSULFAN I	4.1324	4.0484	0.0840	0.0179	4.0305	4.0663	*
4,4-DDE	4.1324	4.1331	0.0008	0.0182	4.1149	4.1513	OK
DIELDRIN	4.2662	4.2770	0.0108	0.0188	4.2582	4.2958	OK
ENDRIN	4.5308	4.5346	0.0038	0.0184	4.5162	4.5530	OK
4,4-DDD	4.6305	4.6235	0.0071	0.0168	4.6067	4.6403	OK
ENDOSULFAN II	4.7216	4.7154	0.0061	0.0177	4.6977	4.7331	OK
4,4-DDT	4.8830	4.8828	0.0002	0.0145	4.8683	4.8973	OK
ENDRIN ALDEHYDE	4.9927	4.9821	0.0106	0.0150	4.9671	4.9971	OK
ENODOSULFAN SULFATE	5.2185	5.1812	0.0373	0.0142	5.1670	5.1954	*
METHOXYCHLOR	5.3701	5.3665	0.0035	0.0123	5.3542	5.3788	OK
ENDRIN KETONE	5.5207	5.5322	0.0115	0.0120	5.5202	5.5442	OK
DCB	6.2033	6.2043	0.0010	0.0112	6.1931	6.2155	OK
TCX #2	1.6567	1.6559	0.0008	0.0054	1.6505	1.6613	OK
HEXACHLOROBENZENE #2	1.8911	1.8612	0.0298	0.0038	1.8574	1.8650	*
A-BHC #2	1.8911	1.9513	0.0602	0.0038	1.9475	1.9551	*
G-BHC #2	2.1432	2.1382	0.0049	0.0029	2.1353	2.1411	*
B-BHC #2	2.2116	2.1923	0.0192	0.0025	2.1898	2.1948	*
D-BHC #2	2.2904	2.3070	0.0166	0.0025	2.3045	2.3095	*
HEPTACHLOR #2	2.4394	2.4436	0.0042	0.0022	2.4414	2.4458	*
ALDRIN #2	2.5541	2.6474	0.0933	0.0017	2.6457	2.6491	*
HEPTACHLOR EPOXIDE #2	3.0706	3.0740	0.0034	0.0016	3.0724	3.0756	*
G-CHLORDANE #2	3.1457	3.1679	0.0223	0.0018	3.1661	3.1697	*
A-CHLORDANE #2	3.2478	3.2635	0.0157	0.0019	3.2616	3.2654	*
ENDOSULFAN I #2	3.3692	3.3647	0.0046	0.0011	3.3636	3.3658	*
4,4-DDE #2	3.3282	3.3310	0.0029	0.0029	3.3281	3.3339	OK
DIELDRIN #2	3.5492	3.5459	0.0033	0.0015	3.5444	3.5474	*
ENDRIN #2	3.7175	3.7225	0.0050	0.0012	3.7213	3.7237	*
4,4-DDD #2	3.7961	3.7917	0.0044	0.0117	3.7800	3.8034	OK
ENDOSULFAN II #2	3.8610	3.8985	0.0375	0.0021	3.8964	3.9006	*
4,4-DDT #2	4.0044	4.0104	0.0060	0.0064	4.0040	4.0168	OK
ENDRIN ALDEHYDE #2	4.2198	4.2295	0.0097	0.0023	4.2272	4.2318	*
ENODOSULFAN SULFATE #2	4.5549	4.5794	0.0245	0.0025	4.5769	4.5819	*
METHOXYCHLOR #2	4.4906	4.4150	0.0756	0.0136	4.4014	4.4286	*
ENDRIN KETONE #2	4.8132	4.8020	0.0112	0.0021	4.7999	4.8041	*
DCB #2	5.4956	5.4972	0.0017	0.0038	5.4934	5.5010	OK

10-19-10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID: 67967-4 RR
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.0
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/13/10
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-02

PESTICIDE ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
a-BHC	5	U	Endosulfan II	5	U
b-BHC	5	U	4,4'-DDD	5	U
d-BHC	5	U	Endosulfan Sulfate	5	U
g-BHC	5	U	4,4'-DDT	5	U
Heptachlor	5	U	Methoxychlor	15	U
Aldrin	5	U	Endrin Ketone	5	U
Heptachlor Epoxide	5	U	Endrin Aldehyde	5	U
Endosulfan I	5	U	alpha-Chlordane	5	U
Dieldrin	5	U	gamma-Chlordane	5	U
4,4'-DDE	5	U	Toxaphene	66	U
Endrin	5	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	68	%
Decachlorobiphenyl	53	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

TTEC Pest

Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20117.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 4:59 pm
Operator : MAG/JLL
Sample : 67967-4,, RR
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:53 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

PM 10/19/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	1.973	1.655	243.9E6	479.8E6	68.470	68.241	
	Spiked Amount	100.000	Range	46 - 122	Recovery	= 68.47%	68.24%	
23)	S DCB	6.201	5.494	106.7E6	270.2E6	52.705	49.162	
	Spiked Amount	100.000	Range	40 - 135	Recovery	= 52.70%	49.16%	
	Target Compounds							
3)	TM A-BHC	2.332	1.890	2936954	1042.3E6	~~0.582~~	~~94.063~~	#
4)	TM G-BHC	2.644	2.141	8102411	9981584	~~1.521~~	~~0.667~~	#
5)	TM B-BHC	2.644f	2.209	8102411	15368442	~~1.671~~	~~1.303~~	
6)	TM D-BHC	2.967	2.287	12884916	2977999	~~2.737~~	~~0.109~~	#
7)	TM HEPTACHLOR	3.002	2.437	5892233	4049733	~~0.601~~	~~N.D.~~	#
8)	TM ALDRIN	3.277	2.553f	3294035	11460.4E6	~~N.D.~~	~~1268.625~~	
9)	TM HEPTACHLO...	3.737	3.069	11190516	5162288	~~1.275~~	~~N.D.~~	#
10)	TM G-CHLORDANE	3.888	3.220	2210.9E6	21379084	~~594.029~~	~~1.900~~	#
11)	TM A-CHLORDANE	3.936	3.245	8639235	10865633	~~0.604~~	~~1.455~~	#
13)	TM 4,4-DDE	4.129	3.327	4487870	23948499	~~0.315~~	~~3.744~~	#
14)	TM DIELDRIN	4.273	3.547	8191999	36794927	~~1.077~~	~~3.258~~	#
16)	TM 4,4-DDD	4.626	3.794	2165452	15182352	~~N.D.~~	~~2.145~~	
17)	TM ENDOSULFA...	4.718	3.878	10743376	21158496	~~1.175~~	~~0.903~~	
18)	TM 4,4-DDT	4.880	4.002	18312033	23698337	~~5.418~~	~~2.998~~	#
19)	TM ENDRIN AL...	4.991	4.216	6851215	14246507	~~0.974~~	~~1.068~~	
21)	TM METHOXYCHLOR	5.367	4.487	4041483	12437079	~~0.959~~	~~1.775~~	#
22)	TM ENDRIN KE...	5.518	4.810	51684580	23050352	~~15.048~~	~~1.843~~	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Confirms

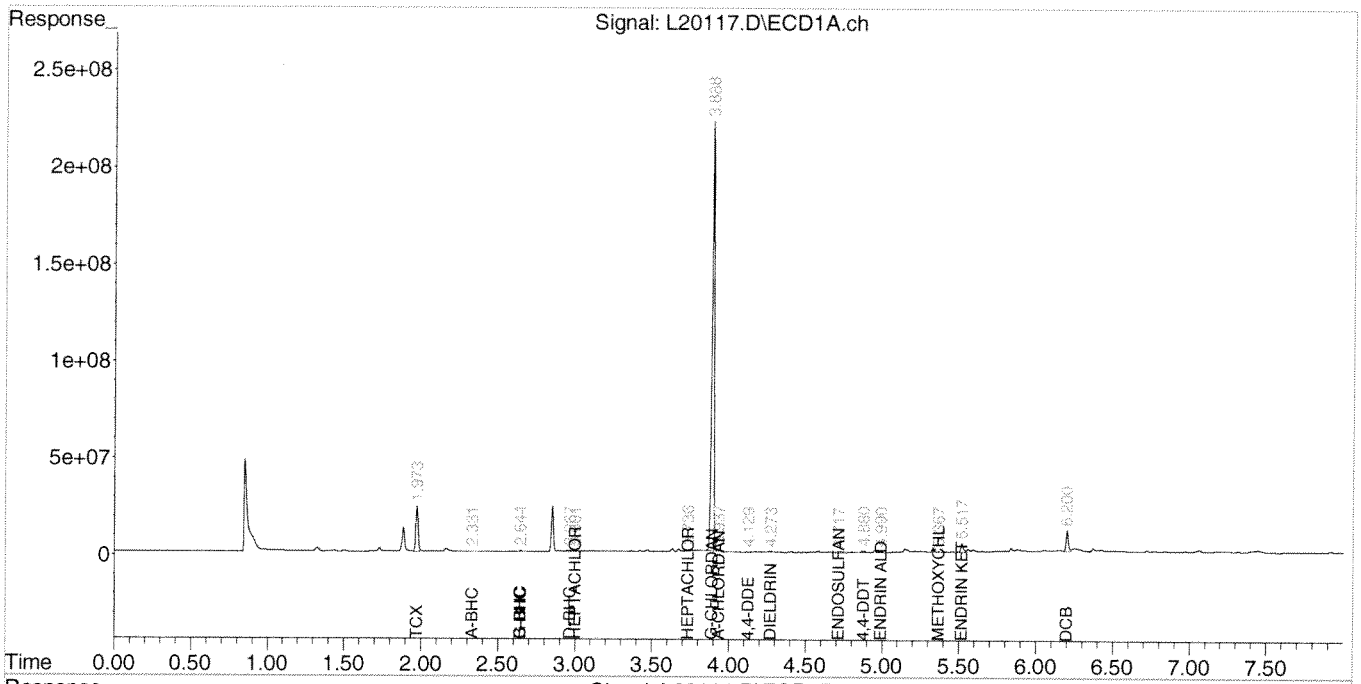
10.19.10

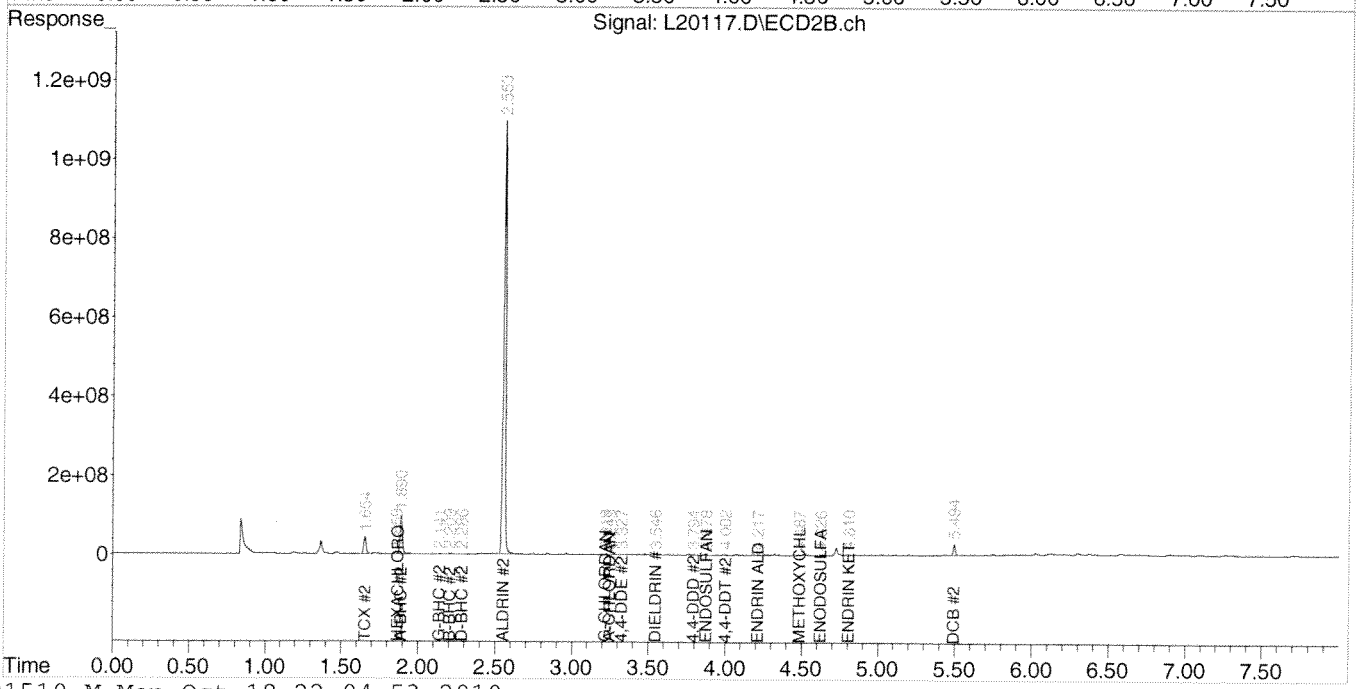
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20117.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 4:59 pm
Operator : MAG/JLL
Sample : 67967-4,, RR
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:53 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





PESTICIDE
RETENTION TIME CHECK

Sample Name 67967-4,, RR
Date Acquired 10/18/2010 16:59
Data File Name L20117.D

METHOD: **C:\msdchem\1\METHODS\PT101510.M**
LEVEL 5 OPENING STANDARD: **L20108SC.D**

10/19/10

Name	67967-4,, RR Ret Time	Opening Std Ret Time	RT Difference	Instrument L Window	Range RT	to RT	Pass
TCX	1.9732	1.9810	0.0078	0.0101	1.9709	1.9911	OK
HEXACHLOROBENZENE	2.2965	2.3068	0.0104	0.0132	2.2936	2.3200	OK
A-BHC	2.3321	2.3963	0.0642	0.0144	2.3819	2.4107	*
G-BHC	2.6441	2.6629	0.0189	0.0160	2.6469	2.6789	*
B-BHC	2.6441	2.7241	0.0800	0.0170	2.7071	2.7411	*
D-BHC	2.9674	2.9562	0.0111	0.0178	2.9384	2.9740	OK
HEPTACHLOR	3.0015	3.0086	0.0071	0.0175	2.9911	3.0261	OK
ALDRIN	3.2772	3.2701	0.0071	0.0175	3.2526	3.2876	OK
HEPTACHLOR EPOXIDE	3.7369	3.7293	0.0076	0.0182	3.7111	3.7475	OK
G-CHLORDANE	3.8885	3.8872	0.0013	0.0177	3.8695	3.9049	OK
A-CHLORDANE	3.9361	4.0062	0.0701	0.0178	3.9884	4.0240	*
ENDOSULFAN I	4.1294	4.0565	0.0728	0.0179	4.0386	4.0744	*
4,4-DDE	4.1294	4.1414	0.0121	0.0182	4.1232	4.1596	OK
DIELDRIN	4.2726	4.2846	0.0121	0.0188	4.2658	4.3034	OK
ENDRIN	4.5277	4.5424	0.0147	0.0184	4.5240	4.5608	OK
4,4-DDD	4.6262	4.6315	0.0053	0.0168	4.6147	4.6483	OK
ENDOSULFAN II	4.7178	4.7225	0.0047	0.0177	4.7048	4.7402	OK
4,4-DDT	4.8799	4.8897	0.0098	0.0145	4.8752	4.9042	OK
ENDRIN ALDEHYDE	4.9906	4.9882	0.0024	0.0150	4.9732	5.0032	OK
ENODOSULFAN SULFATE	5.2154	5.1871	0.0283	0.0142	5.1729	5.2013	*
METHOXYCHLOR	5.3667	5.3718	0.0050	0.0123	5.3595	5.3841	OK
ENDRIN KETONE	5.5180	5.5371	0.0191	0.0120	5.5251	5.5491	*
DCB	6.2008	6.2076	0.0068	0.0112	6.1964	6.2188	OK
TCX #2	1.6546	1.6541	0.0005	0.0054	1.6487	1.6595	OK
HEXACHLOROBENZENE #2	1.8594	1.8594	0.0000	0.0038	1.8556	1.8632	OK
A-BHC #2	1.8899	1.9499	0.0600	0.0038	1.9461	1.9537	*
G-BHC #2	2.1415	2.1370	0.0045	0.0029	2.1341	2.1399	*
B-BHC #2	2.2089	2.1907	0.0182	0.0025	2.1882	2.1932	*
D-BHC #2	2.2870	2.3057	0.0187	0.0025	2.3032	2.3082	*
HEPTACHLOR #2	2.4367	2.4427	0.0060	0.0022	2.4405	2.4449	*
ALDRIN #2	2.5530	2.6464	0.0934	0.0017	2.6447	2.6481	*
HEPTACHLOR EPOXIDE #2	3.0688	3.0735	0.0047	0.0016	3.0719	3.0751	*
G-CHLORDANE #2	3.2200	3.1675	0.0525	0.0018	3.1657	3.1693	*
A-CHLORDANE #2	3.2455	3.2644	0.0189	0.0019	3.2625	3.2663	*
ENDOSULFAN I #2	3.3677	3.3643	0.0034	0.0011	3.3632	3.3654	*
4,4-DDE #2	3.3267	3.3307	0.0040	0.0029	3.3278	3.3336	*
DIELDRIN #2	3.5470	3.5455	0.0015	0.0015	3.5440	3.5470	*
ENDRIN #2	3.7142	3.7220	0.0078	0.0012	3.7208	3.7232	*
4,4-DDD #2	3.7940	3.7922	0.0018	0.0117	3.7805	3.8039	OK
ENDOSULFAN II #2	3.8785	3.8979	0.0194	0.0021	3.8958	3.9000	*
4,4-DDT #2	4.0017	4.0110	0.0093	0.0064	4.0046	4.0174	*
ENDRIN ALDEHYDE #2	4.2165	4.2290	0.0125	0.0023	4.2267	4.2313	*
ENODOSULFAN SULFATE #2	4.6263	4.5791	0.0472	0.0025	4.5766	4.5816	*
METHOXYCHLOR #2	4.4872	4.4156	0.0716	0.0136	4.4020	4.4292	*
ENDRIN KETONE #2	4.8102	4.8017	0.0086	0.0021	4.7996	4.8038	*
DCB #2	5.4941	5.4976	0.0035	0.0038	5.4938	5.5014	OK

10.19.10

analytics environmental laboratory LLC

PESTICIDE
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:PESTQC.doc

PESTICIDE SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B101310PAS	79		61		77		56	
L101310PAST	81		61		82		58	
LD101310PAST	79		63		79		55	
67967-1	54		65		53		37	*
67967-2	63		58		62		43	
67967-3	59		59		55		43	
67967-4	70		53		67		42	
67967-4,MS	71		53		69		41	
67967-4,MSD	69		53		67		40	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PESTICIDE SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67967

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B101310PAS, RR	78		61		76		68	
L101310PAS,, RR	81		61		82		65	
LD101310PAS,, RR	81		64		81		67	
67967-1,, RR	54		61		54		46	
67967-2,, RR	64		57		64		55	
67967-3,, RR	59		57		57		54	
67967-4,, RR	68		53		68		49	
67967-4,MS,, RR	72		52		71		51	
67967-4,MSD,, RR	69		53		69		44	

		Lower Limit	Upper Limit
SMC #1 =	TCX	40	130
SMC #2 =	DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PESTICIDE SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

10.18.10

SDG:
Non-spiked sample: B101310PAS
Spike: L101310PAST
Spike duplicate: LD101310PAST

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
HEXACHLOROBENZENE	17	17	60	140	25	0	12	72		12	70		3	
A-BHC	17	17	63	110	30	0	12	74		12	74		0	
G-BHC	17	17	67	118	30	0	12	74		12	75		1	
B-BHC	17	17	66	116	30	0	13	78		13	79		2	
D-BHC	17	17	55	114	30	0	13	77		13	77		0	
HEPTACHLOR	17	17	64	115	30	0	12	73		12	74		2	
ALDRIN	17	17	68	115	30	0	12	74		13	75		1	
HEPTACHLOR EPOXIDE	17	17	69	117	30	0	13	76		13	77		1	
G-CHLORDANE	17	17	69	112	30	0	14	81		13	79		3	
A-CHLORDANE	17	17	70	113	30	0	13	77		13	77		1	
ENDOSULFAN I	17	17	73	117	30	0	13	79		13	77		2	
4,4-DDE	17	17	70	115	30	0	13	79		13	79		0	
DIELDRIN	17	17	71	116	30	0	13	79		13	79		0	
ENDRIN	17	17	79	122	30	0	14	81		13	81		1	
4,4-DDD	17	17	61	116	30	0	14	82		14	82		0	
ENDOSULFAN II	17	17	65	125	30	0	14	81		13	81		1	
4,4-DDT	17	17	72	125	30	0	14	84		14	86		3	
ENDRIN ALDEHYDE	17	17	35	127	30	0	15	89		15	90		0	
ENODOSULFAN SULFATE	17	17	46	128	30	0	14	83		14	82		1	
METHOXYCHLOR	17	17	62	140	30	0	14	85		14	86		1	
ENDRIN KETONE	17	17	70	123	30	0	15	88		15	88		0	
HEXACHLOROBENZENE #2	17	17	60	140	25	0	12	74		11	69		8	
A-BHC #2	17	17	68	110	30	0	12	74		12	74		0	
G-BHC #2	17	17	71	116	30	0	12	74		13	75		1	
B-BHC #2	17	17	76	120	30	0	12	73	*	13	76		4	
D-BHC #2	17	17	58	116	30	0	13	77		13	78		1	
HEPTACHLOR #2	17	17	68	110	30	0	13	75		13	76		1	
ALDRIN #2	17	17	67	108	30	0	12	75		13	76		1	
HEPTACHLOR EPOXIDE #2	17	17	70	111	30	0	13	76		13	75		1	
G-CHLORDANE #2	17	17	67	109	30	0	13	78		13	78		0	
A-CHLORDANE #2	17	17	71	111	30	0	13	79		13	79		0	
ENDOSULFAN I #2	17	17	71	112	30	0	13	78		13	76		2	
4,4-DDE #2	17	17	68	112	30	0	13	80		13	80		0	
DIELDRIN #2	17	17	70	108	30	0	13	79		13	79		1	
ENDRIN #2	17	17	75	116	30	0	13	81		13	80		0	
4,4-DDD #2	17	17	68	115	30	0	14	83		14	84		1	
ENDOSULFAN II #2	17	17	64	113	30	0	13	79		13	78		2	
4,4-DDT #2	17	17	69	121	30	0	14	83		14	86		3	
ENDRIN ALDEHYDE #2	17	17	37	106	30	0	14	86		14	86		1	
ENODOSULFAN SULFATE #2	17	17	60	113	30	0	13	78		13	80		3	
METHOXYCHLOR #2	17	17	68	126	30	0	14	84		14	84		0	
ENDRIN KETONE #2	17	17	78	117	30	0	16	94		14	86		9	

Marginal. ok'd

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
LCS/LCSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

10/18/10

PESTICIDE FORM 3

PESTICIDE SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Non-spiked sample: B101310PAS
Spike: L101310PAST
Spike duplicate: LD101310PAST

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
HEXACHLOROBENZENE	17	17	60	140	25	0	12	72		12	70		3	
A-BHC	17	17	63	110	30	0	12	74		12	74		0	
G-BHC	17	17	67	118	30	0	12	74		12	75		1	
B-BHC	17	17	66	116	30	0	13	78		13	79		2	
D-BHC	17	17	55	114	30	0	13	77		13	77		0	
HEPTACHLOR	17	17	64	115	30	0	12	73		12	74		2	
ALDRIN	17	17	68	115	30	0	12	74		13	75		1	
HEPTACHLOR EPOXIDE	17	17	69	117	30	0	13	76		13	77		1	
G-CHLORDANE	17	17	69	112	30	0	14	81		13	79		3	
A-CHLORDANE	17	17	70	113	30	0	13	77		13	77		1	
ENDOSULFAN I	17	17	73	117	30	0	13	79		13	77		2	
4,4-DDE	17	17	70	115	30	0	13	79		13	79		0	
DIELDRIN	17	17	71	116	30	0	13	79		13	79		0	
ENDRIN	17	17	79	122	30	0	14	81		13	81		1	
4,4-DDD	17	17	61	116	30	0	14	82		14	82		0	
ENDOSULFAN II	17	17	65	125	30	0	14	81		13	81		1	
4,4-DDT	17	17	72	125	30	0	14	84		14	86		3	
ENDRIN ALDEHYDE	17	17	35	127	30	0	15	89		15	90		0	
ENODOSULFAN SULFATE	17	17	46	128	30	0	14	83		14	82		1	
METHOXYCHLOR	17	17	62	140	30	0	14	85		14	86		1	
ENDRIN KETONE	17	17	70	123	30	0	15	88		15	88		0	
HEXACHLOROBENZENE #2	17	17	60	140	25	0	12	74		11	69		8	
A-BHC #2	17	17	68	110	30	0	12	74		12	74		0	
G-BHC #2	17	17	71	116	30	0	12	74		13	75		1	
B-BHC #2	17	17	76	120	30	0	12	73	*	13	76		4	
D-BHC #2	17	17	58	116	30	0	13	77		13	78		1	
HEPTACHLOR #2	17	17	68	110	30	0	13	75		13	76		1	
ALDRIN #2	17	17	67	108	30	0	12	75		13	76		1	
HEPTACHLOR EPOXIDE #2	17	17	70	111	30	0	13	76		13	75		1	
G-CHLORDANE #2	17	17	67	109	30	0	13	78		13	78		0	
A-CHLORDANE #2	17	17	71	111	30	0	13	79		13	79		0	
ENDOSULFAN I #2	17	17	71	112	30	0	13	78		13	76		2	
4,4-DDE #2	17	17	68	112	30	0	13	80		13	80		0	
DIELDRIN #2	17	17	70	108	30	0	13	79		13	79		1	
ENDRIN #2	17	17	75	116	30	0	13	81		13	80		0	
4,4-DDD #2	17	17	68	115	30	0	14	83		14	84		1	
ENDOSULFAN II #2	17	17	64	113	30	0	13	79		13	78		2	
4,4-DDT #2	17	17	69	121	30	0	14	83		14	86		3	
ENDRIN ALDEHYDE #2	17	17	37	106	30	0	14	86		14	86		1	
ENODOSULFAN SULFATE #2	17	17	60	113	30	0	13	78		13	80		3	
METHOXYCHLOR #2	17	17	68	126	30	0	14	84		14	84		0	
ENDRIN KETONE #2	17	17	78	117	30	0	16	94		14	86		9	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
LCS/LCSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20090Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 8:59 am
Operator : AR
Sample : L101310PAST
Misc : SOIL
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:06 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	1.973	1.653	288.9E6	572.4E6	81.350	81.602
Spiked Amount 100.000 Range 40 - 130 Recovery = 81.35% ✓ 81.60%						
23) S DCB	6.203	5.496	123.2E6	317.6E6	61.089	57.619
Spiked Amount 100.000 Range 40 - 130 Recovery = 61.09% ✓ 57.62%						
Target Compounds						
2) TM HEXACHLOR...	2.298	1.859	147.3E6	302.0E6	35.842	37.238
3) TM A-BHC	2.388	1.949	197.1E6	408.7E6	36.767	36.772
4) TM G-BHC	2.654	2.136	180.1E6	371.0E6	37.172	37.036
5) TM B-BHC	2.715	2.190	80633149	151.9E6	38.787	36.683
6) TM D-BHC	2.947	2.305	186.4E6	386.7E6	38.642	38.264
7) TM HEPTACHLOR	2.999	2.442	158.6E6	370.8E6	36.687	37.531
8) TM ALDRIN	3.261	2.646	151.8E6	347.8E6	37.190	37.422
9) TM HEPTACHLO...	3.720	3.073	146.4E6	327.7E6	38.171	38.030
10) TM G-CHLORDANE	3.879	3.167	179.3E6	346.0E6	40.588	38.979
11) TM A-CHLORDANE	3.997	3.264	145.1E6	334.1E6	38.417	39.451
12) TM ENDOSULFAN I	4.047	3.364	135.4E6	327.0E6	39.325	38.763
13) TM 4,4-DDE	4.132	3.329	145.6E6	308.2E6	39.308	39.919
14) TM DIELDRIN	4.276	3.545	153.8E6	353.3E6	39.690	39.720
15) TM ENDRIN	4.534	3.722	141.5E6	329.0E6	40.521	40.374
16) TM 4,4-DDD	4.622	3.791	126.3E6	279.9E6	40.954	41.661
17) TM ENDOSULFA...	4.714	3.897	137.0E6	303.8E6	40.675	39.521
18) TM 4,4-DDT	4.882	4.009	134.1E6	321.9E6	41.951	41.612
19) TM ENDRIN AL...	4.981	4.228	104.8E6	240.0E6	44.604	43.159
20) TM ENODOSULF...	5.180	4.578	111.0E6	259.0E6	41.595	39.056
21) TM METHOXYCHLOR	5.366	4.413	66512312	163.7E6	42.474	42.245
22) TM ENDRIN KE...	5.531	4.801	145.8E6	384.4E6	44.028	47.129

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

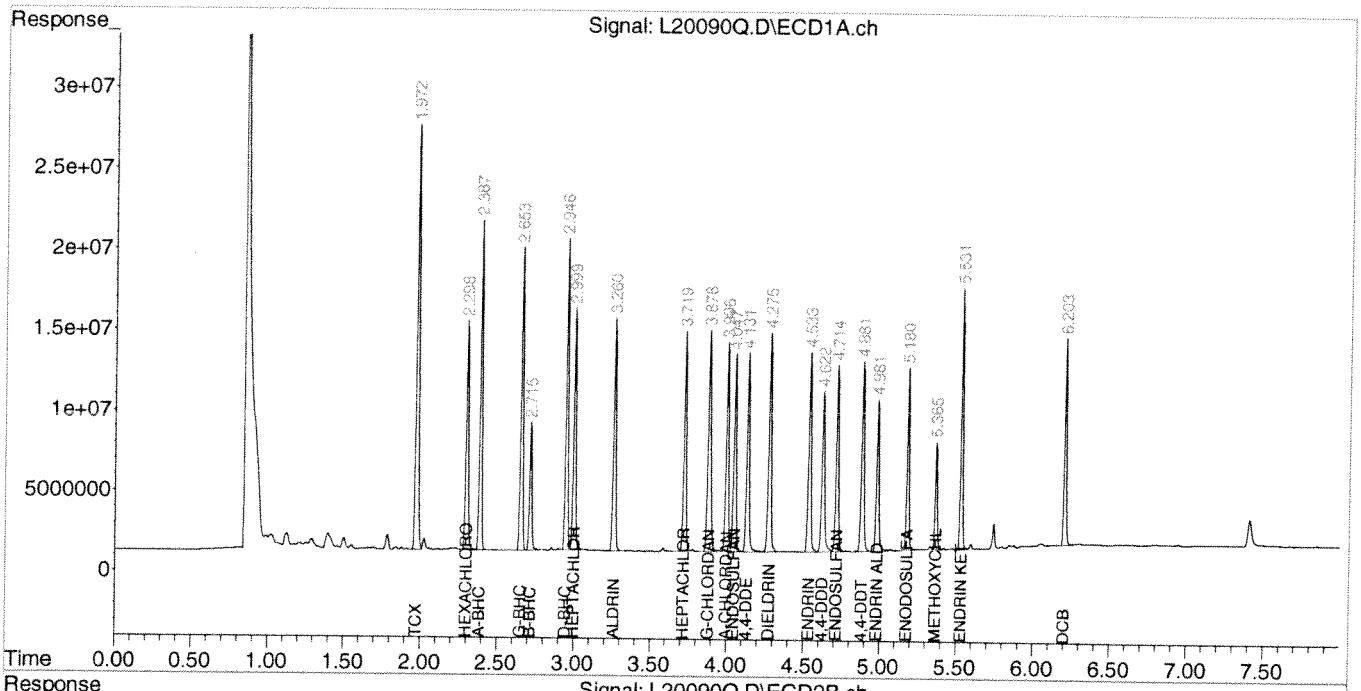
10/18/10

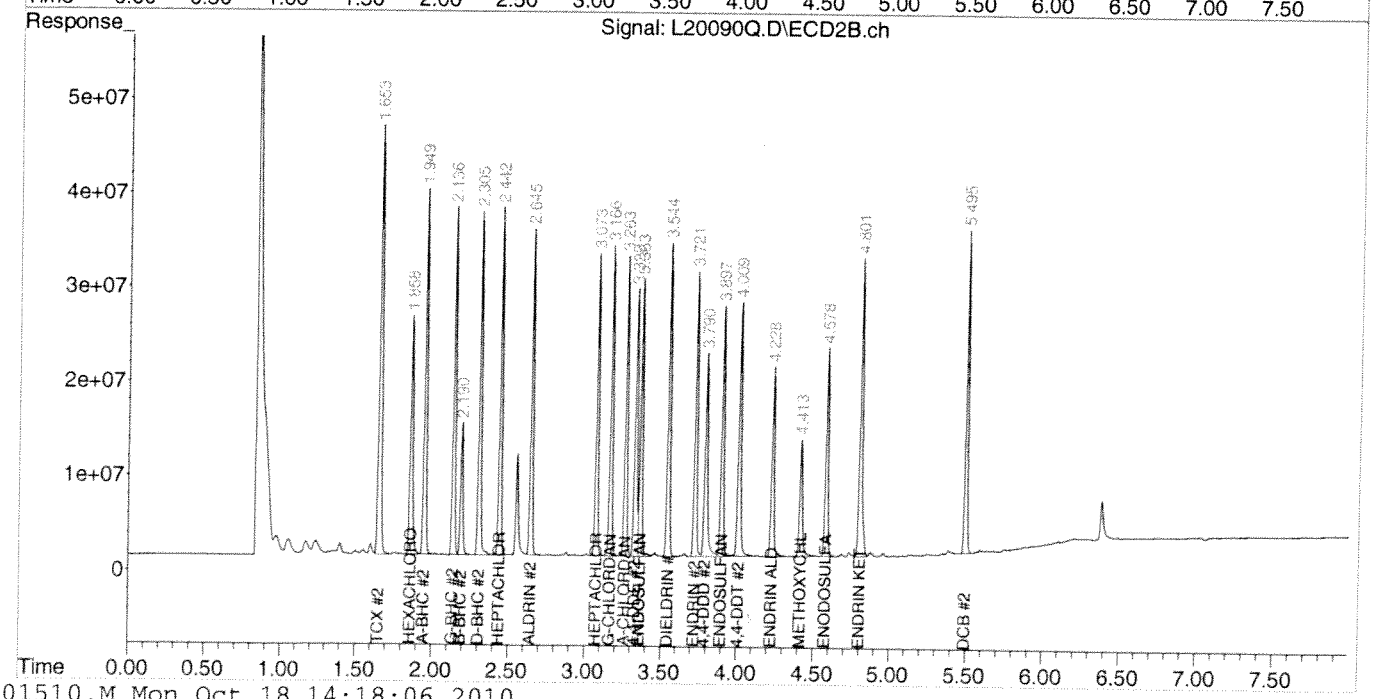
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20090Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 8:59 am
Operator : AR
Sample : L101310PAST
Misc : SOIL
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:06 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20091Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 9:10 am
Operator : AR
Sample : LD101310PAST
Misc : SOIL
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:08 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) S	TCX	1.973	1.653	282.4E6	552.2E6	79.471	78.683
	Spiked Amount	100.000 Range	40 - 130	Recovery	=	79.47%	78.68%
23) S	DCB	6.203	5.496	127.0E6	303.3E6	63.052	55.064
	Spiked Amount	100.000 Range	40 - 130	Recovery	=	63.05%	55.06%
	Target Compounds						
2) TM	HEXACHLOR...	2.298	1.859	143.4E6	279.0E6	34.836	34.360
3) TM	A-BHC	2.388	1.949	197.9E6	409.5E6	36.923	36.843
4) TM	G-BHC	2.654	2.136	181.3E6	376.2E6	37.417	37.561
5) TM	B-BHC	2.715	2.190	81862888	157.7E6	39.417	38.188
6) TM	D-BHC	2.947	2.305	186.9E6	391.7E6	38.746	38.763
7) TM	HEPTACHLOR	2.999	2.442	161.0E6	376.3E6	37.247	38.094
8) TM	ALDRIN	3.261	2.646	153.0E6	351.8E6	37.509	37.867
9) TM	HEPTACHLO...	3.721	3.073	147.5E6	324.8E6	38.468	37.686
10) TM	G-CHLORDANE	3.879	3.167	175.3E6	345.6E6	39.502	38.930
11) TM	A-CHLORDANE	3.997	3.264	145.8E6	334.8E6	38.614	39.531
12) TM	ENDOSULFAN I	4.048	3.364	132.9E6	321.6E6	38.552	38.078
13) TM	4,4-DDE	4.132	3.329	146.1E6	308.1E6	39.440	39.903
14) TM	DIELDRIN	4.276	3.545	153.7E6	350.9E6	39.652	39.449
15) TM	ENDRIN	4.534	3.722	140.6E6	327.6E6	40.253	40.196
16) TM	4,4-DDD	4.623	3.791	126.0E6	281.5E6	40.872	41.900
17) TM	ENDOSULFA...	4.715	3.898	136.2E6	299.0E6	40.433	38.862
18) TM	4,4-DDT	4.882	4.010	138.2E6	332.1E6	43.238	42.931
19) TM	ENDRIN AL...	4.981	4.228	105.2E6	238.7E6	44.793	42.918
20) TM	ENODOSULF...	5.181	4.579	109.6E6	266.0E6	41.059	40.135
21) TM	METHOXYCHLOR	5.366	4.413	67328705	163.0E6	43.017	42.059
22) TM	ENDRIN KE...	5.532	4.801	145.3E6	352.6E6	43.867	43.146

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

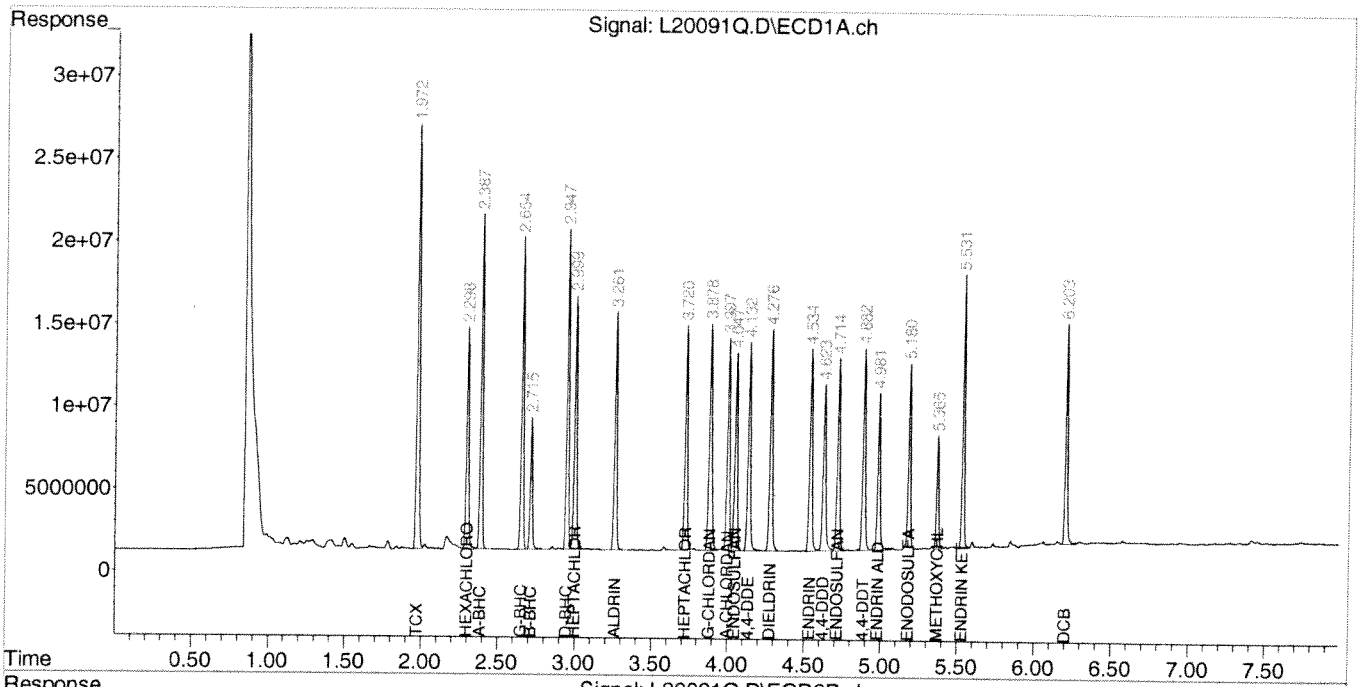
10/18/10

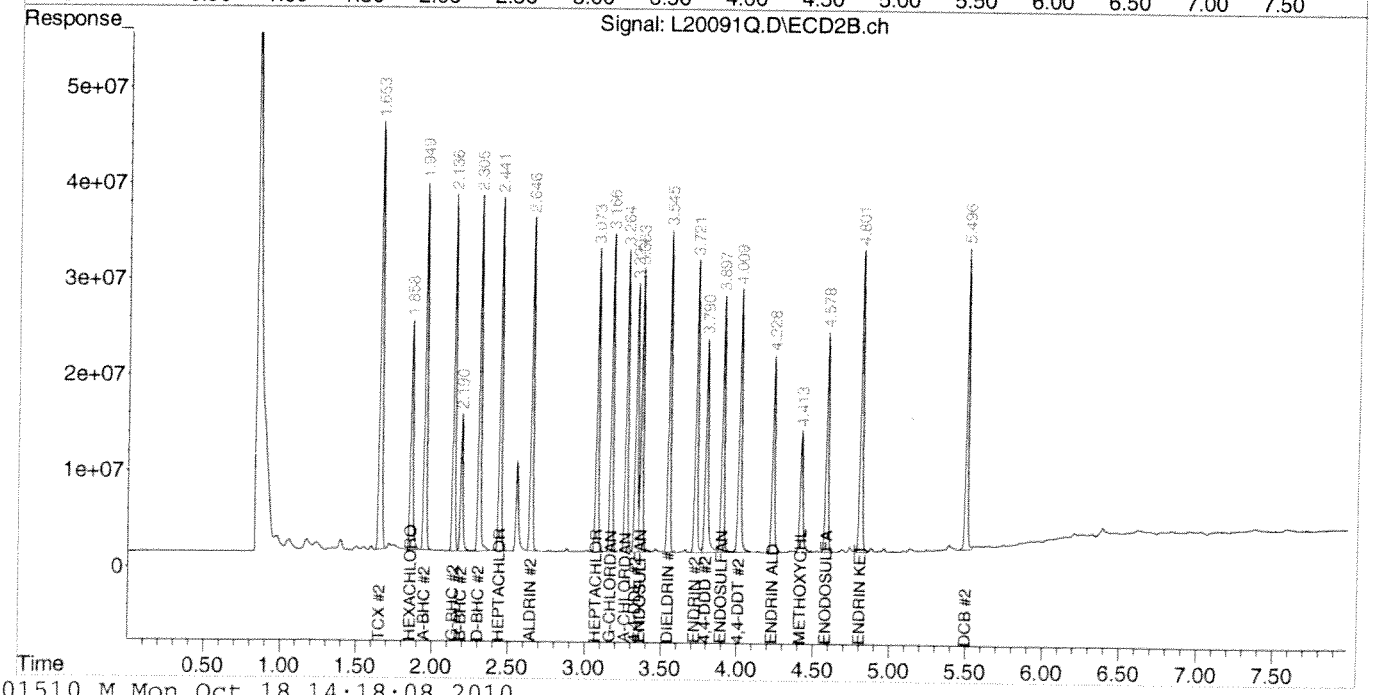
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20091Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 9:10 am
Operator : AR
Sample : LD101310PAST
Misc : SOIL
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:08 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





PESTICIDE SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

JW 10.18.10

SDG:
Non-spiked sample: 67967-4
Spike: 67967-4.MS
Spike duplicate: 67967-4.MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
HEXACHLOROBENZENE	18	18	60	140	25	0	11	62		10	56	*	11	
A-BHC	18	18	63	110	30	0	12	65		11	62	*	5	
G-BHC	18	18	67	118	30	0	12	65	*	11	63	*	4	
B-BHC	18	18	66	116	30	0	12	65	*	11	60	*	9	
D-BHC	18	18	55	114	30	0	13	71		13	71		0	
HEPTACHLOR	18	18	64	115	30	0	11	60	*	10	57	*	4	
ALDRIN	18	18	68	115	30	0	12	64	*	11	61	*	5	
HEPTACHLOR EPOXIDE	18	18	69	117	30	0	12	67	*	12	65	*	3	
G-CHLORDANE	18	18	69	112	30	0	215	1190	*	216	1197	*	0	
A-CHLORDANE	18	18	70	113	30	0	11	62	*	11	60	*	3	
ENDOSULFAN I	18	18	73	117	30	0	11	63	*	11	61	*	3	
4,4-DDE	18	18	70	115	30	0	13	71		12	67	*	5	
DIELDRIN	18	18	71	116	30	0	13	73		13	72		3	
ENDRIN	18	18	79	122	30	0	11	62	*	11	61	*	2	
4,4-DDD	18	18	61	116	30	0	14	75		13	73		4	
ENDOSULFAN II	18	18	65	125	30	0	14	77		13	74		4	
4,4-DDT	18	18	72	125	30	0	10	54	*	10	57	*	4	
ENDRIN ALDEHYDE	18	18	35	127	30	0	14	77		14	75		3	
ENODOSULFAN SULFATE	18	18	46	128	30	0	13	73		12	64		13	
METHOXYCHLOR	18	18	62	140	30	0	9	47	*	10	54	*	12	
ENDRIN KETONE	18	18	70	123	30	0	13	71		13	70		1	
HEXACHLOROBENZENE #2	18	18	60	140	25	0	10	57	*	9	51	*	11	
A-BHC #2	18	18	68	110	30	0	12	66	*	12	65	*	2	
G-BHC #2	18	18	71	116	30	0	12	65	*	11	63	*	4	
B-BHC #2	18	18	76	120	30	0	11	63	*	11	59	*	7	
D-BHC #2	18	18	58	116	30	0	12	66		12	65		3	
HEPTACHLOR #2	18	18	68	110	30	0	11	59	*	10	58	*	3	
ALDRIN #2	18	18	67	108	30	0	12	68		12	64	*	6	
HEPTACHLOR EPOXIDE #2	18	18	70	111	30	0	11	61	*	11	61	*	1	
G-CHLORDANE #2	18	18	67	109	30	0	11	59	*	10	57	*	4	
A-CHLORDANE #2	18	18	71	111	30	0	12	65	*	11	63	*	4	
ENDOSULFAN I #2	18	18	71	112	30	0	11	60	*	11	59	*	3	
4,4-DDE #2	18	18	68	112	30	0	13	70		12	66	*	7	
DIELDRIN #2	18	18	70	108	30	0	12	68	*	12	65	*	3	
ENDRIN #2	18	18	75	116	30	0	11	58	*	10	58	*	1	
4,4-DDD #2	18	18	68	115	30	0	16	87		15	83		5	
ENDOSULFAN II #2	18	18	64	113	30	0	12	65		11	63	*	3	
4,4-DDT #2	18	18	69	121	30	0	9	52	*	10	54	*	3	
ENDRIN ALDEHYDE #2	18	18	37	106	30	0	12	68		12	66		4	
ENODOSULFAN SULFATE #2	18	18	60	113	30	0	13	69		12	65		6	
METHOXYCHLOR #2	18	18	68	126	30	0	8	46	*	9	49	*	7	
ENDRIN KETONE #2	18	18	78	117	30	0	13	74	*	13	73	*	2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: Failures due to Matrix

JW 10/18/10

PESTICIDE FORM 3

PESTICIDE SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Sample	Misc Info	Final Vol (L)	Wt (g) Ext	Wt (kg)	% Sol	Dilution	CF
67967-4	SOIL	0.005	15.86	0.01586	0.9079	1	0.34723925
67967-4,MS	SOIL	0.005	15.22	0.01522	0.9079	1	0.36184063
67967-4,MSD	SOIL	0.005	15.25	0.01525	0.9079	1	0.36112882

PESTICIDE SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67967-4
Spike: 67967-4,MS
Spike duplicate: 67967-4,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
HEXACHLOROBENZENE	18	18	60	140	25	0	11	62		10	56	*	11	
A-BHC	18	18	63	110	30	0	12	65		11	62	*	5	
G-BHC	18	18	67	118	30	0	12	65	*	11	63	*	4	
B-BHC	18	18	66	116	30	0	12	65	*	11	60	*	9	
D-BHC	18	18	55	114	30	0	13	71		13	71		0	
HEPTACHLOR	18	18	64	115	30	0	11	60	*	10	57	*	4	
ALDRIN	18	18	68	115	30	0	12	64	*	11	61	*	5	
HEPTACHLOR EPOXIDE	18	18	69	117	30	0	12	67	*	12	65	*	3	
G-CHLORDANE	18	18	69	112	30	0	215	1190	*	216	1197	*	0	
A-CHLORDANE	18	18	70	113	30	0	11	62	*	11	60	*	3	
ENDOSULFAN I	18	18	73	117	30	0	11	63	*	11	61	*	3	
4,4-DDE	18	18	70	115	30	0	13	71		12	67	*	5	
DIELDRIN	18	18	71	116	30	0	13	73		13	72		3	
ENDRIN	18	18	79	122	30	0	11	62	*	11	61	*	2	
4,4-DDD	18	18	61	116	30	0	14	75		13	73		4	
ENDOSULFAN II	18	18	65	125	30	0	14	77		13	74		4	
4,4-DDT	18	18	72	125	30	0	10	54	*	10	57	*	4	
ENDRIN ALDEHYDE	18	18	35	127	30	0	14	77		14	75		3	
ENODOSULFAN SULFATE	18	18	46	128	30	0	13	73		12	64		13	
METHOXYCHLOR	18	18	62	140	30	0	9	47	*	10	54	*	12	
ENDRIN KETONE	18	18	70	123	30	0	13	71		13	70		1	
HEXACHLOROBENZENE #2	18	18	60	140	25	0	10	57	*	9	51	*	11	
A-BHC #2	18	18	68	110	30	0	12	66	*	12	65	*	2	
G-BHC #2	18	18	71	116	30	0	12	65	*	11	63	*	4	
B-BHC #2	18	18	76	120	30	0	11	63	*	11	59	*	7	
D-BHC #2	18	18	58	116	30	0	12	66		12	65		3	
HEPTACHLOR #2	18	18	68	110	30	0	11	59	*	10	58	*	3	
ALDRIN #2	18	18	67	108	30	0	12	68		12	64	*	6	
HEPTACHLOR EPOXIDE #2	18	18	70	111	30	0	11	61	*	11	61	*	1	
G-CHLORDANE #2	18	18	67	109	30	0	11	59	*	10	57	*	4	
A-CHLORDANE #2	18	18	71	111	30	0	12	65	*	11	63	*	4	
ENDOSULFAN I #2	18	18	71	112	30	0	11	60	*	11	59	*	3	
4,4-DDE #2	18	18	68	112	30	0	13	70		12	66	*	7	
DIELDRIN #2	18	18	70	108	30	0	12	68	*	12	65	*	3	
ENDRIN #2	18	18	75	116	30	0	11	58	*	10	58	*	1	
4,4-DDD #2	18	18	68	115	30	0	16	87		15	83		5	
ENDOSULFAN II #2	18	18	64	113	30	0	12	65		11	63	*	3	
4,4-DDT #2	18	18	69	121	30	0	9	52	*	10	54	*	3	
ENDRIN ALDEHYDE #2	18	18	37	106	30	0	12	68		12	66		4	
ENODOSULFAN SULFATE #2	18	18	60	113	30	0	13	69		12	65		6	
METHOXYCHLOR #2	18	18	68	126	30	0	8	46	*	9	49	*	7	
ENDRIN KETONE #2	18	18	78	117	30	0	13	74	*	13	73	*	2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments:

PESTICIDE SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Sample	Misc Info	Final Vol (L)	Wt (g) Ext	Wt (kg)	% Sol	Dilution	CF
67967-4	SOIL	0.005	15.86	0.01586	0.9079	1	0.34723925
67967-4,MS	SOIL	0.005	15.22	0.01522	0.9079	1	0.36184063
67967-4,MSD	SOIL	0.005	15.25	0.01525	0.9079	1	0.36112882

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20097SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 10:12 am
Operator : AR
Sample : 67967-4,MS
Misc : SOIL
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:20 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

✓ JL 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	1.974	1.654	251.6E6	483.6E6	70.660	68.787	
	Spiked Amount	100.000 Range	40 - 130	Recovery	=	70.66%	68.79%	
23)	S DCB	6.204	5.496	107.4E6	224.0E6	53.085	40.940	
	Spiked Amount	100.000 Range	40 - 130	Recovery	=	53.09%	40.94%	
	Target Compounds							
2)	TM HEXACHLOR...	2.299	1.859	128.8E6	233.2E6	31.133	28.638	
3)	TM A-BHC	2.389	1.950	174.2E6	367.1E6	32.498	33.012	
4)	TM G-BHC	2.655	2.137	157.8E6	326.3E6	32.541	32.538	
5)	TM B-BHC	2.716	2.191	68399170	131.1E6	32.527	31.284	
6)	TM D-BHC	2.948	2.306	170.5E6	336.0E6	35.355	33.218	
7)	TM HEPTACHLOR	3.000	2.442	129.8E6	294.2E6	29.880	29.575	
8)	TM ALDRIN	3.262	2.647	131.5E6	317.2E6	32.089	34.038	
9)	TM HEPTACHLO...	3.721	3.073	129.0E6	266.7E6	33.415	30.677	
10)	TM G-CHLORDANE	3.891	3.167	2213.7E6	262.9E6	594.790	29.483	# int
11)	TM A-CHLORDANE	3.997	3.264	118.1E6	274.1E6	30.947	32.391	
12)	TM ENDOSULFAN I	4.048	3.364	110.0E6	258.8E6	31.581	30.184	
13)	TM 4,4-DDE	4.132	3.329	131.2E6	270.2E6	35.333	35.074	
14)	TM DIELDRIN	4.276	3.546	142.6E6	301.6E6	36.716	33.765	
15)	TM ENDRIN	4.534	3.722	109.7E6	240.1E6	31.149	29.160	
16)	TM 4,4-DDD	4.622	3.789	116.5E6	292.9E6	37.671	43.596	
17)	TM ENDOSULFA...	4.715	3.897	130.0E6	252.6E6	38.491	32.524	
18)	TM 4,4-DDT	4.881	4.008	86964020	202.5E6	27.081	26.143	
19)	TM ENDRIN AL...	4.981	4.228	91466677	192.0E6	38.655	34.208	
20)	TM ENODOSULF...	5.180	4.578	97332995	230.0E6	36.353	34.598	
21)	TM METHOXYCHLOR	5.365	4.411	38184257	90949902	23.649	22.783	
22)	TM ENDRIN KE...	5.532	4.801	117.7E6	304.7E6	35.386	37.143	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

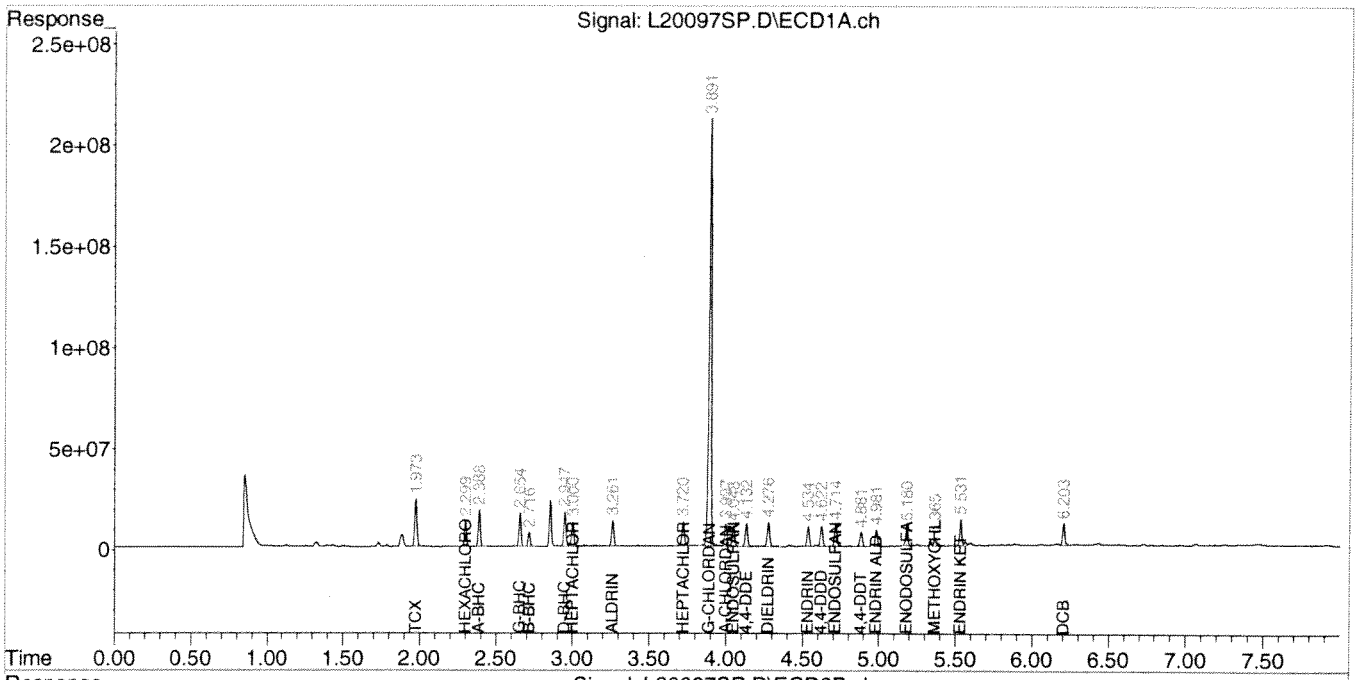
✓ 10/18/10

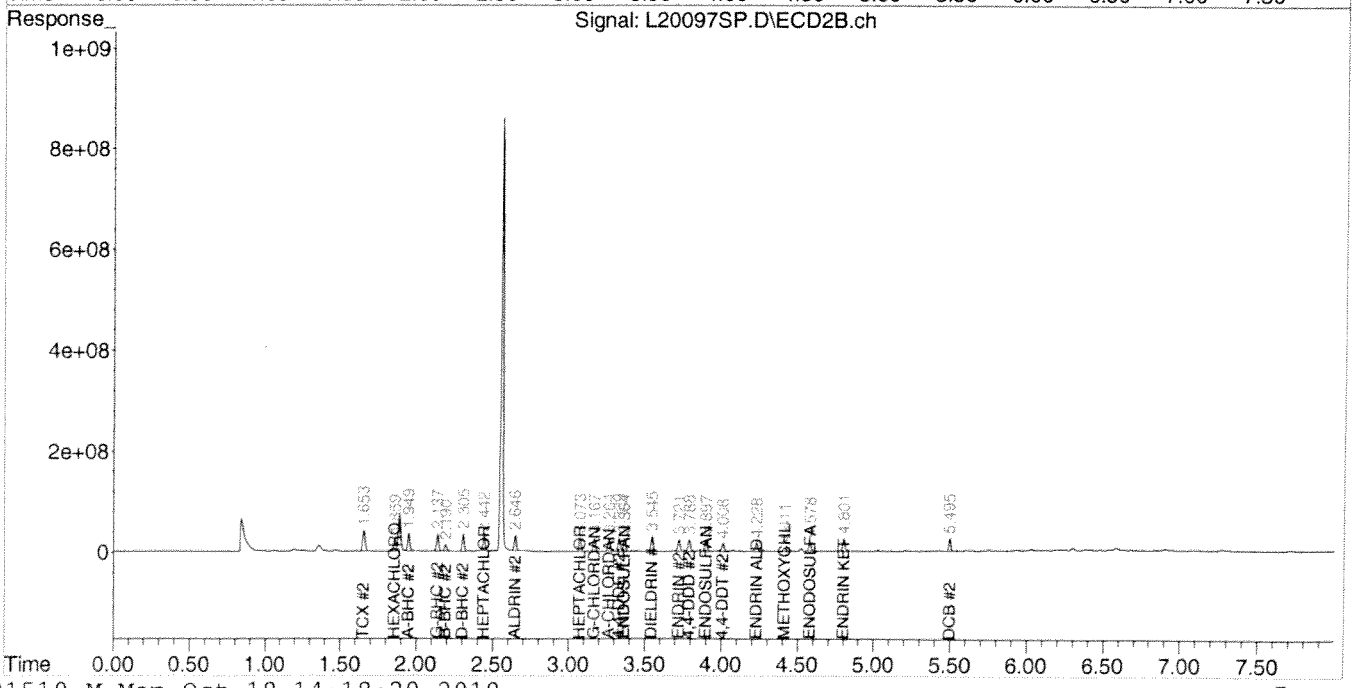
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20097SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 10:12 am
Operator : AR
Sample : 67967-4,MS
Misc : SOIL
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:20 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20098SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 10:22 am
Operator : AR
Sample : 67967-4,MSD
Misc : SOIL
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:22 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
1) S TCX	1.973	1.653	244.8E6	472.0E6	68.714	67.114	
Spiked Amount 100.000 Range 40 - 130 Recovery =					68.71%	67.11%	
23) S DCB	6.203	5.496	108.3E6	216.7E6	53.497	39.633	#
Spiked Amount 100.000 Range 40 - 130 Recovery =					53.50%	39.63%#	↓40 ok PM 10/18/10
Target Compounds							
2) TM HEXACHLOR...	2.298	1.859	116.5E6	209.6E6	28.027	25.693	
3) TM A-BHC	2.388	1.949	166.5E6	361.4E6	31.059	32.496	
4) TM G-BHC	2.654	2.136	152.6E6	315.3E6	31.469	31.422	
5) TM B-BHC	2.716	2.190	63255199	123.7E6	29.894	29.369	
6) TM D-BHC	2.947	2.305	170.5E6	326.8E6	35.357	32.309	
7) TM HEPTACHLOR	3.000	2.442	124.9E6	287.4E6	28.723	28.874	
8) TM ALDRIN	3.261	2.646	125.4E6	300.7E6	30.542	32.209	
9) TM HEPTACHLO...	3.721	3.073	125.3E6	265.8E6	32.407	30.575	
10) TM G-CHLORDANE	3.891	3.167	2227.7E6	252.4E6	598.614	28.292	# int
11) TM A-CHLORDANE	3.997	3.264	115.5E6	264.8E6	30.214	31.306	
12) TM ENDOSULFAN I	4.048	3.364	106.6E6	252.1E6	30.556	29.343	
13) TM 4,4-DDE	4.132	3.329	125.3E6	252.8E6	33.703	32.863	
14) TM DIELDRIN	4.276	3.545	139.1E6	292.6E6	35.788	32.732	
15) TM ENDRIN	4.534	3.722	108.0E6	238.9E6	30.665	29.002	
16) TM 4,4-DDD	4.622	3.789	112.7E6	279.5E6	36.374	41.596	
17) TM ENDOSULFA...	4.715	3.897	125.3E6	245.4E6	36.999	31.539	
18) TM 4,4-DDT	4.881	4.008	91089701	210.0E6	28.382	27.124	
19) TM ENDRIN AL...	4.981	4.228	89097012	184.8E6	37.600	32.860	
20) TM ENODOSULF...	5.180	4.579	85765036	217.4E6	31.903	32.662	
21) TM METHOXYCHLOR	5.365	4.411	42870659	97385182	26.763	24.505	
22) TM ENDRIN KE...	5.532	4.801	116.5E6	298.0E6	35.007	36.310	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

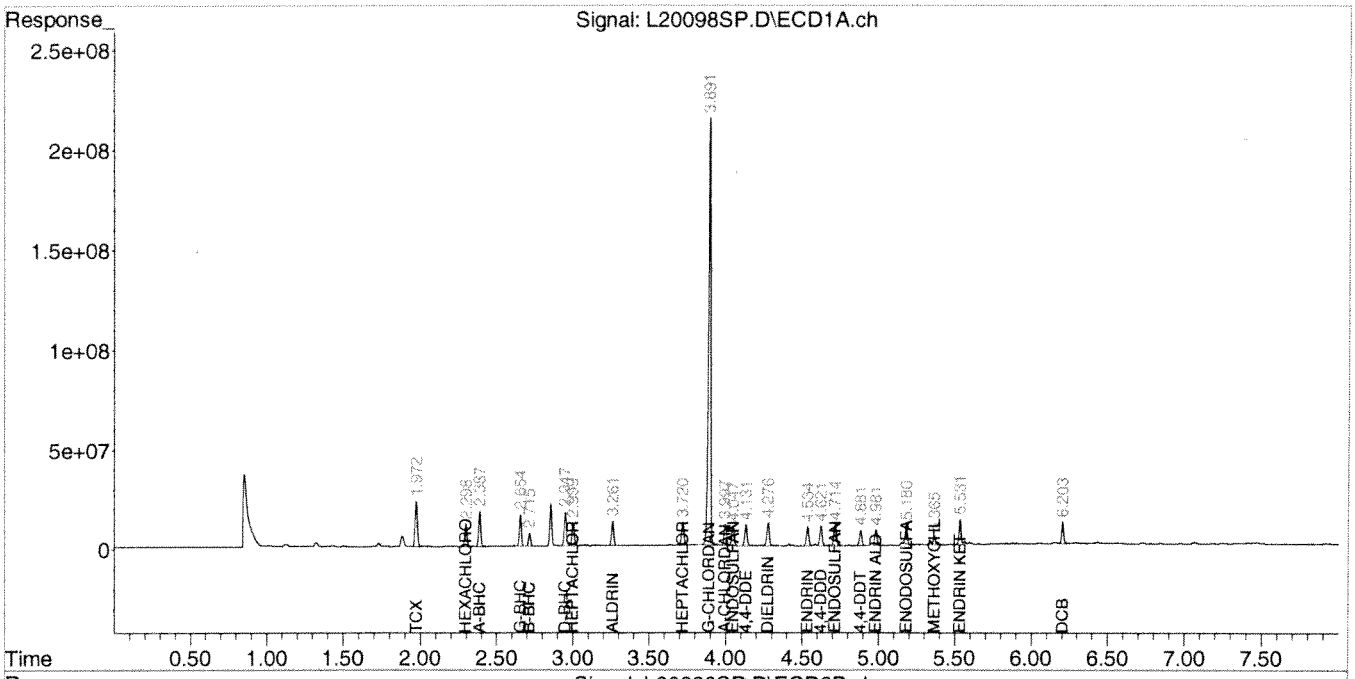
PM 10/18/10

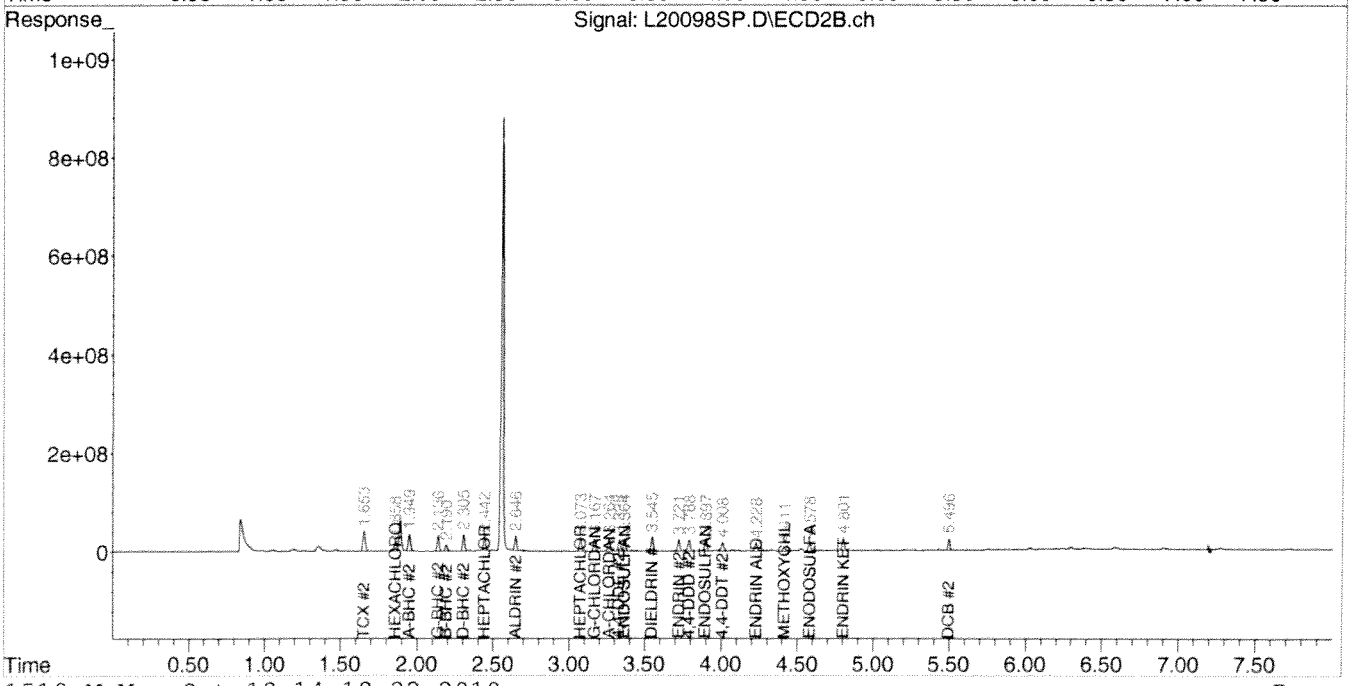
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20098SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 10:22 am
Operator : AR
Sample : 67967-4,MSD
Misc : SOIL
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 14:18:22 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





PESTICIDE SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Non-spiked sample: B101310PAS, RR
Spike: L101310PAS,, RR
Spike duplicate: LD101310PAS,, RR

10/18/10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
HEXACHLOROBENZENE	17	17	60	140	25	0	12	71		12	69		2	
A-BHC	17	17	63	110	30	0	12	72		12	74		2	
G-BHC	17	17	67	118	30	0	12	74		13	75		2	
B-BHC	17	17	66	116	30	0	12	74		13	77		3	
D-BHC	17	17	55	114	30	0	13	77		13	78		1	
HEPTACHLOR	17	17	64	115	30	0	12	71		12	73		3	
ALDRIN	17	17	68	115	30	0	12	74		13	75		2	
HEPTACHLOR EPOXIDE	17	17	69	117	30	0	14	82		14	83		1	
G-CHLORDANE	17	17	69	112	30	0	302	1811	*	170	1018	*	56	*
A-CHLORDANE	17	17	70	113	30	0	12	74		13	77		3	
ENDOSULFAN I	17	17	73	117	30	0	12	74		13	75		1	
4,4-DDE	17	17	70	115	30	0	13	79		13	80		2	
DIELDRIN	17	17	71	116	30	0	13	77		13	77		1	
ENDRIN	17	17	79	122	30	0	13	80		14	81		2	
4,4-DDD	17	17	61	116	30	0	13	79		13	80		2	
ENDOSULFAN II	17	17	65	125	30	0	13	79		13	80		2	
4,4-DDT	17	17	72	125	30	0	14	83		15	88		6	
ENDRIN ALDEHYDE	17	17	35	127	30	0	13	81		14	86		6	
ENODOSULFAN SULFATE	17	17	46	128	30	0	14	85		14	83		2	
METHOXYCHLOR	17	17	62	140	30	0	14	82		14	85		3	
ENDRIN KETONE	17	17	70	123	30	0	24	143	*	24	142	*	1	
HEXACHLOROBENZENE #2	17	17	60	140	25	0	12	70		11	68		3	
A-BHC #2	17	17	68	110	30	0	13	79		13	79		1	
G-BHC #2	17	17	71	116	30	0	12	74		13	77		3	
B-BHC #2	17	17	76	120	30	0	12	74	*	13	76		4	
D-BHC #2	17	17	58	116	30	0	13	77		13	79		2	
HEPTACHLOR #2	17	17	68	110	30	0	12	75		13	77		4	
ALDRIN #2	17	17	67	108	30	0	14	86		14	86		0	
HEPTACHLOR EPOXIDE #2	17	17	70	111	30	0	13	77		13	78		2	
G-CHLORDANE #2	17	17	67	109	30	0	12	73		12	74		2	
A-CHLORDANE #2	17	17	71	111	30	0	9	52	*	9	51	*	2	
ENDOSULFAN I #2	17	17	71	112	30	0	13	75		13	78		4	
4,4-DDE #2	17	17	68	112	30	0	14	84		14	86		2	
DIELDRIN #2	17	17	70	108	30	0	14	81		15	88		8	
ENDRIN #2	17	17	75	116	30	0	14	86		15	90		5	
4,4-DDD #2	17	17	68	115	30	0	15	91		16	95		5	
ENDOSULFAN II #2	17	17	64	113	30	0	15	93		16	98		6	
4,4-DDT #2	17	17	69	121	30	0	15	92		16	95		3	
ENDRIN ALDEHYDE #2	17	17	37	106	30	0	15	90		15	90		1	
ENODOSULFAN SULFATE #2	17	17	60	113	30	0	13	79		14	83		4	
METHOXYCHLOR #2	17	17	68	126	30	0	14	84		14	83		2	
ENDRIN KETONE #2	17	17	78	117	30	0	16	97		15	89		8	

INT.

INT., ok 1st run

ok 1st run

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
LCS/LCSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

10-19-2

PESTICIDE FORM 3

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20111Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:57 pm
Operator : MAG/JLL
Sample : L101310PAS,, RR
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:41 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

10/18/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	1.973	1.654	287.4E6	573.8E6	80.915	81.801	
	Spiked Amount	100.000	Range	46 - 122	Recovery	= 80.92%	81.80%	
23)	S DCB	6.201	5.495	122.3E6	360.3E6	60.630	65.227	
	Spiked Amount	100.000	Range	40 - 135	Recovery	= 60.63%	65.23%	
	Target Compounds							
2)	TM HEXACHLOR...	2.298	1.859	145.2E6	282.9E6	35.288	34.847	
3)	TM A-BHC	2.388	1.949	193.6E6	441.0E6	36.117	39.692	
4)	TM G-BHC	2.654	2.136	178.2E6	372.4E6	36.768	37.175	
5)	TM B-BHC	2.715	2.190	77507623	152.2E6	37.188	36.767	
6)	TM D-BHC	2.946	2.304	186.8E6	390.1E6	38.733	38.603	
7)	TM HEPTACHLOR	2.999	2.441	154.2E6	369.1E6	35.654	37.349	
8)	TM ALDRIN	3.260	2.645	150.1E6	398.3E6	36.769	43.021	
9)	TM HEPTACHLO...	3.719	3.072	156.5E6	332.1E6	40.917	38.571	
10)	TM G-CHLORDANE	3.889	3.166	3354.3E6	324.8E6	905.534	36.558	#
11)	TM A-CHLORDANE	3.996	3.261	140.2E6	221.3E6	37.054	26.187	#
12)	TM ENDOSULFAN I	4.046	3.362	128.4E6	318.8E6	37.190	37.730	
13)	TM 4,4-DDE	4.131	3.328	145.7E6	325.2E6	39.316	42.077	
14)	TM DIELDRIN	4.275	3.543	149.1E6	360.2E6	38.419	40.520	
15)	TM ENDRIN	4.532	3.720	139.5E6	348.9E6	39.928	42.874	
16)	TM 4,4-DDD	4.620	3.788	121.5E6	305.2E6	39.349	45.436	
17)	TM ENDOSULFA...	4.713	3.895	133.6E6	353.2E6	39.620	46.261	
18)	TM 4,4-DDT	4.880	4.007	133.0E6	355.0E6	41.609	45.888	
19)	TM ENDRIN AL...	4.979	4.227	95171282	250.7E6	40.305	45.151	
20)	TM ENODOSULF...	5.179	4.576	113.3E6	263.3E6	42.483	39.721	
21)	TM METHOXYCHLOR	5.364	4.410	64292308	163.5E6	40.999	42.187	
22)	TM ENDRIN KE...	5.529	4.799	234.8E6	395.0E6	71.446	48.467	#

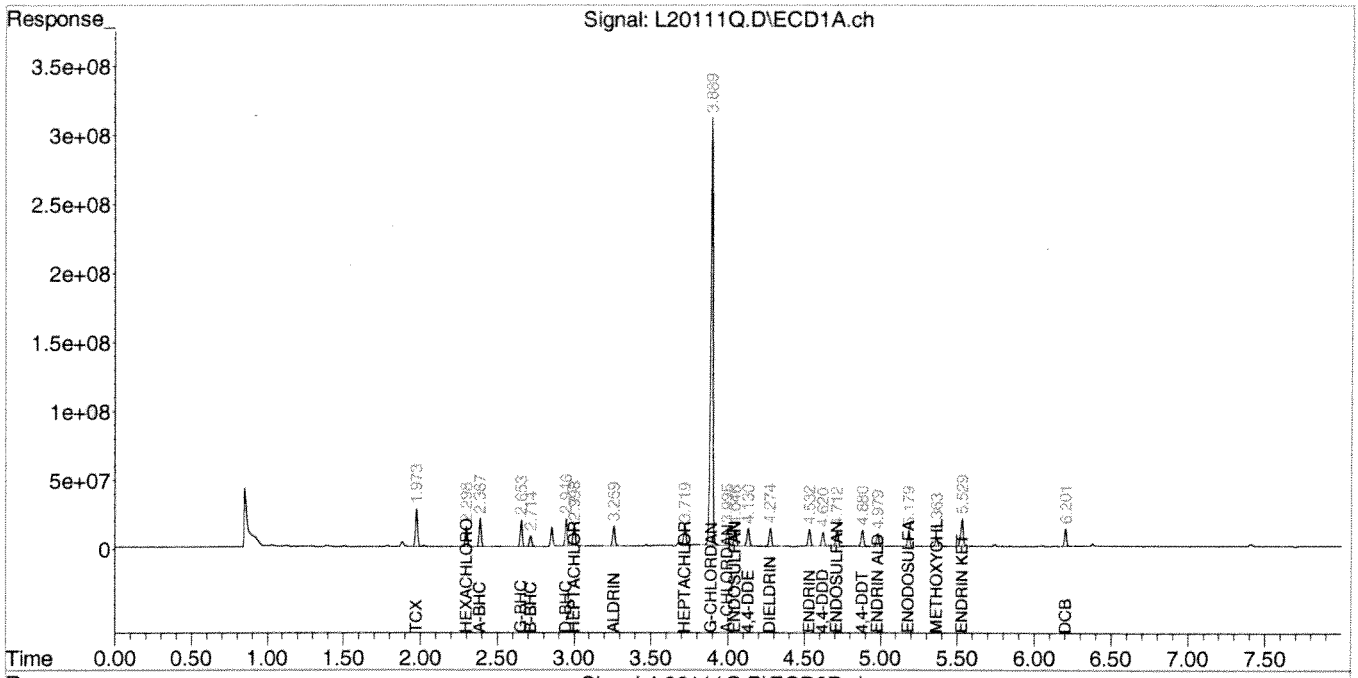
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

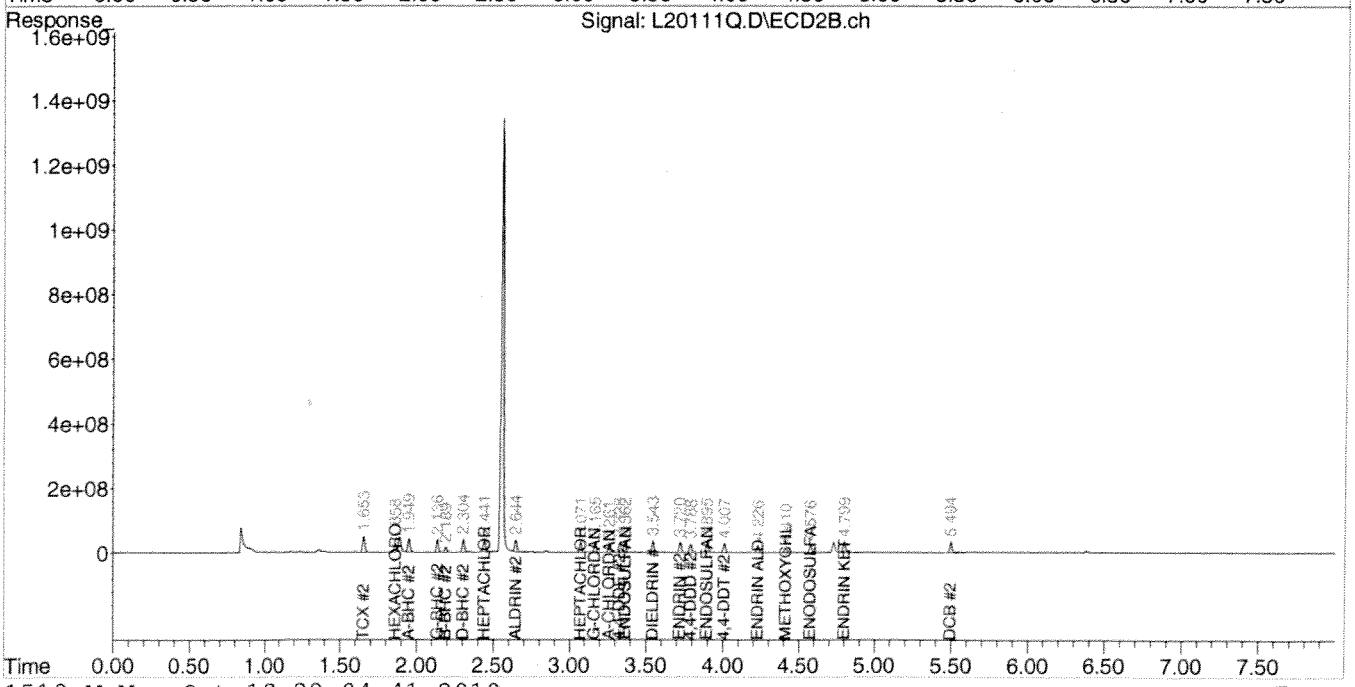
10-29-10

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20111Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:57 pm
Operator : MAG/JLL
Sample : L101310PAS,, RR
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:41 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20112Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 4:08 pm
Operator : MAG/JLL
Sample : LD101310PAS,, RR
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:43 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

10/18/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	1.973	1.654	286.0E6	567.5E6	80.508	80.884
Spiked Amount	100.000	Range	46 - 122	Recovery	= 80.51%	80.88%
23) S DCB	6.201	5.494	129.9E6	368.9E6	64.492	66.758
Spiked Amount	100.000	Range	40 - 135	Recovery	= 64.49%	66.76%
Target Compounds						
2) TM HEXACHLOR...	2.297	1.859	142.8E6	275.7E6	34.694	33.956
3) TM A-BHC	2.387	1.949	198.0E6	437.4E6	36.938	39.367
4) TM G-BHC	2.652	2.136	182.5E6	383.4E6	37.672	38.288
5) TM B-BHC	2.714	2.190	79819850	157.9E6	38.371	38.235
6) TM D-BHC	2.945	2.305	188.3E6	397.1E6	39.029	39.292
7) TM HEPTACHLOR	2.998	2.441	158.3E6	382.1E6	36.623	38.696
8) TM ALDRIN	3.259	2.645	153.0E6	399.1E6	37.512	43.107
9) TM HEPTACHLO...	3.718	3.072	158.2E6	337.6E6	41.368	39.225
10) TM G-CHLORDANE	3.888	3.166	1898.2E6	329.9E6	508.847	37.137 #
11) TM A-CHLORDANE	3.995	3.261	144.9E6	217.5E6	38.354	25.739 #
12) TM ENDOSULFAN I	4.045	3.362	129.8E6	330.0E6	37.608	39.133
13) TM 4,4-DDE	4.129	3.328	148.3E6	331.2E6	40.040	42.843
14) TM DIELDRIN	4.273	3.543	150.3E6	389.1E6	38.745	43.849
15) TM ENDRIN	4.531	3.720	142.1E6	366.0E6	40.672	45.039
16) TM 4,4-DDD	4.619	3.788	123.7E6	320.6E6	40.080	47.736
17) TM ENDOSULFA...	4.712	3.895	135.6E6	373.2E6	40.244	48.997
18) TM 4,4-DDT	4.879	4.007	141.1E6	366.6E6	44.167	47.399
19) TM ENDRIN AL...	4.979	4.226	100.7E6	248.8E6	42.778	44.797
20) TM ENODOSULF...	5.178	4.576	111.2E6	273.3E6	41.670	41.253
21) TM METHOXYCHLOR	5.363	4.410	66457928	160.4E6	42.438	41.353
22) TM ENDRIN KE...	5.528	4.799	233.6E6	365.0E6	71.074	44.708 #

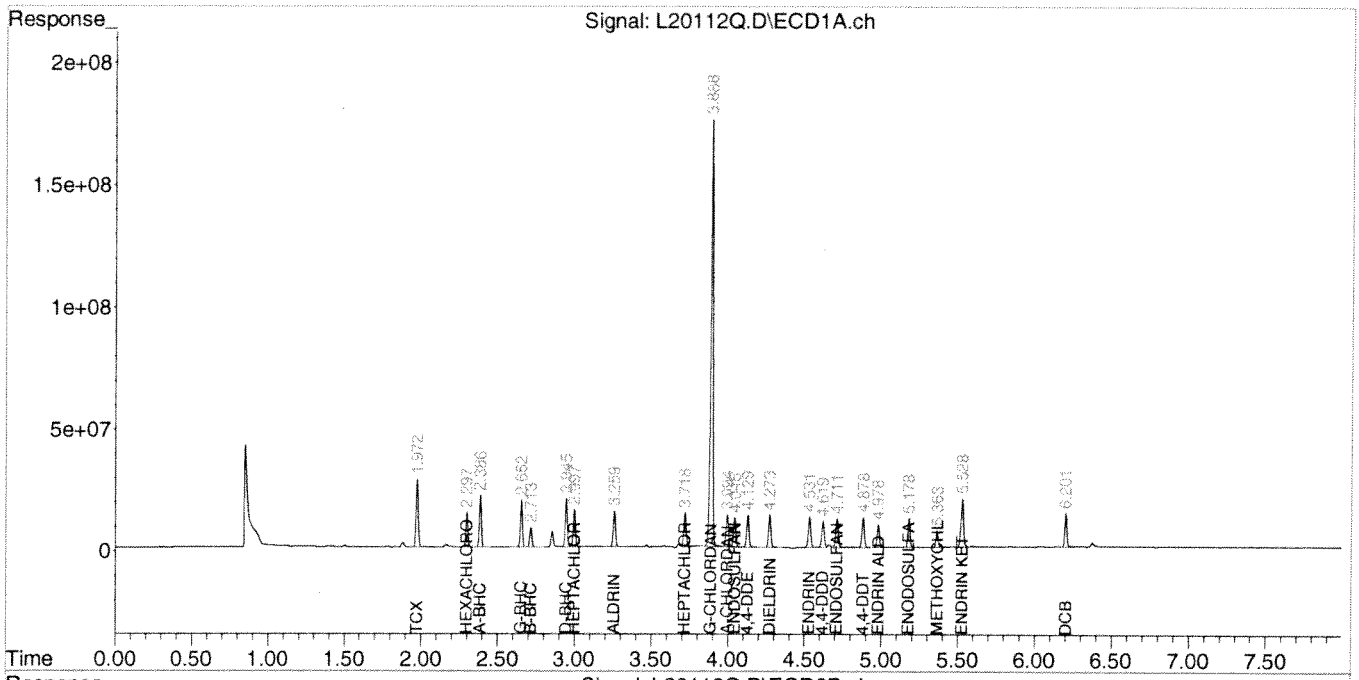
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

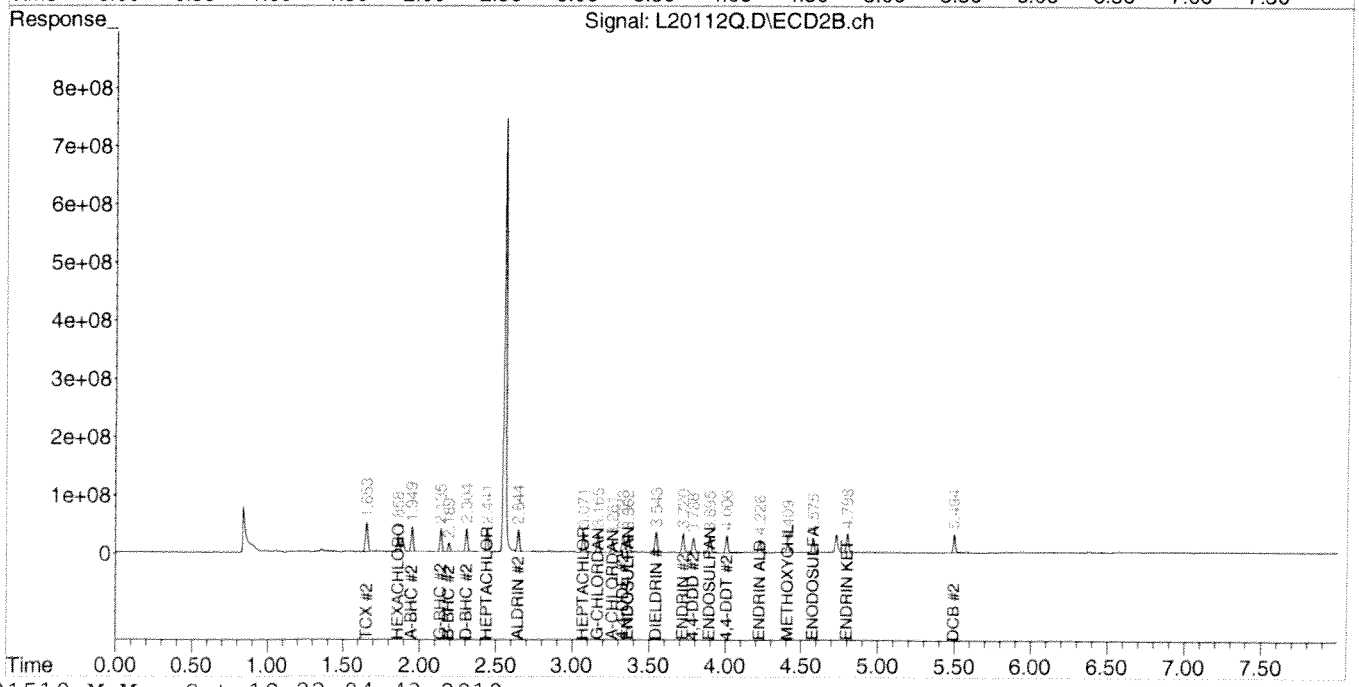
10.19.10

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20112Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 4:08 pm
Operator : MAG/JLL
Sample : LD101310PAS,, RR
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:43 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





PESTICIDE SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

OK 10/18/10

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67967-4,, RR
Spike: 67967-4,MS,, RR
Spike duplicate: 67967-4,MSD,, RR

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
HEXACHLOROBENZENE	18	18	60	140	25	0	11	63		10	56	*	11	
A-BHC	18	18	63	110	30	0	12	64		11	62	*	5	
G-BHC	18	18	67	118	30	0	12	64	*	11	62	*	4	
B-BHC	18	18	66	116	30	0	11	63	*	11	58	*	8	
D-BHC	18	18	55	114	30	0	13	70		13	70		0	
HEPTACHLOR	18	18	64	115	30	0	10	53	*	9	53	*	2	
ALDRIN	18	18	68	115	30	0	12	65	*	11	61	*	6	
HEPTACHLOR EPOXIDE	18	18	69	117	30	0	12	68	*	12	66	*	3	
G-CHLORDANE	18	18	69	112	30	0	310	1712	*	251	1387	*	21	
A-CHLORDANE	18	18	70	113	30	0	11	60	*	11	59	*	2	
ENDOSULFAN I	18	18	73	117	30	0	11	63	*	11	61	*	3	
4,4-DDE	18	18	70	115	30	0	13	69	*	12	67	*	4	
DIELDRIN	18	18	71	116	30	0	13	70	*	12	69	*	2	
ENDRIN	18	18	79	122	30	0	10	54	*	10	55	*	1	
4,4-DDD	18	18	61	116	30	0	13	73		13	71		2	
ENDOSULFAN II	18	18	65	125	30	0	14	77		13	74		4	
4,4-DDT	18	18	72	125	30	0	7	40	*	8	44	*	9	
ENDRIN ALDEHYDE	18	18	35	127	30	0	13	72		12	68		5	
ENODOSULFAN SULFATE	18	18	46	128	30	0	12	69		11	63		9	
METHOXYCHLOR	18	18	62	140	30	0	6	32	*	7	41	*	22	
ENDRIN KETONE	18	18	70	123	30	0	22	120		16	88		31	*
HEXACHLOROBENZENE #2	18	18	60	140	25	0	11	60	*	10	54	*	10	
A-BHC #2	18	18	68	110	30	0	13	73		12	69		6	
G-BHC #2	18	18	71	116	30	0	12	66	*	12	64	*	4	
B-BHC #2	18	18	76	120	30	0	12	65	*	11	61	*	7	
D-BHC #2	18	18	58	116	30	0	12	68		12	66		3	
HEPTACHLOR #2	18	18	68	110	30	0	10	55	*	10	55	*	0	
ALDRIN #2	18	18	67	108	30	0	12	69		12	66	*	4	
HEPTACHLOR EPOXIDE #2	18	18	70	111	30	0	11	62	*	11	61	*	2	
G-CHLORDANE #2	18	18	67	109	30	0	11	59	*	10	57	*	4	
A-CHLORDANE #2	18	18	71	111	30	0	9	51	*	9	49	*	4	
ENDOSULFAN I #2	18	18	71	112	30	0	11	61	*	11	60	*	3	
4,4-DDE #2	18	18	68	112	30	0	13	72		12	68	*	6	
DIELDRIN #2	18	18	70	108	30	0	12	69	*	12	67	*	3	
ENDRIN #2	18	18	75	116	30	0	10	53	*	10	54	*	2	
4,4-DDD #2	18	18	68	115	30	0	16	87		15	85		3	
ENDOSULFAN II #2	18	18	64	113	30	0	13	73		12	67		9	
4,4-DDT #2	18	18	69	121	30	0	7	37	*	7	41	*	10	
ENDRIN ALDEHYDE #2	18	18	37	106	30	0	12	68		12	66		4	
ENODOSULFAN SULFATE #2	18	18	60	113	30	0	12	69		12	65		6	
METHOXYCHLOR #2	18	18	68	126	30	0	6	31	*	7	37	*	16	
ENDRIN KETONE #2	18	18	78	117	30	0	13	71	*	13	70	*	1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
MS/MSD spike added values have been weight adjusted.
Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: Failures due to matrix

10.19.10

PESTICIDE FORM 3

PESTICIDE SOIL
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Conversion Worksheet

Sample	Misc Info	Final Vol (L)	Wt (g) Ext	Wt (kg)	% Sol	Dilution	CF
67967-4,, RR	0	0.005	15.86	0.01586	0.9079	1	0.34723925
67967-4,MS,, RR	0	0.005	15.22	0.01522	0.9079	1	0.36184063
67967-4,MSD,, RR	0	0.005	15.25	0.01525	0.9079	1	0.36112882

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20118SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 5:10 pm
Operator : MAG/JLL
Sample : 67967-4,MS,, RR
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:55 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

MU 10/18/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	1.972	1.654	255.9E6	496.7E6	71.906	70.679	
	Spiked Amount	100.000	Range	46 - 122	Recovery	= 71.91%	70.68%	
23)	S DCB	6.200	5.494	105.9E6	278.7E6	52.321	50.676	
	Spiked Amount	100.000	Range	40 - 135	Recovery	= 52.32%	50.68%	
	Target Compounds							
2)	TM HEXACHLOR...	2.297	1.859	129.9E6	242.7E6	31.415	29.835	
3)	TM A-BHC	2.387	1.949	172.7E6	403.5E6	32.219	36.295	
4)	TM G-BHC	2.652	2.136	155.8E6	331.5E6	32.143	33.058	
5)	TM B-BHC	2.714	2.190	66636773	135.5E6	31.625	32.431	
6)	TM D-BHC	2.946	2.305	168.9E6	343.3E6	35.020	33.944	
7)	TM HEPTACHLOR	2.997	2.441	116.2E6	272.4E6	26.676	27.308	
8)	TM ALDRIN	3.259	2.645	132.8E6	320.8E6	32.408	34.430	
9)	TM HEPTACHLO...	3.718	3.072	131.7E6	270.1E6	34.139	31.097	
10)	TM G-CHLORDANE	3.888	3.165	3171.9E6	262.3E6	855.842	29.424	#
11)	TM A-CHLORDANE	3.994	3.262	115.1E6	216.9E6	30.093	25.670	
12)	TM ENDOSULFAN I	4.045	3.362	109.8E6	263.3E6	31.524	30.747	
13)	TM 4,4-DDE	4.129	3.327	128.8E6	276.2E6	34.660	35.847	
14)	TM DIELDRIN	4.273	3.543	136.8E6	306.6E6	35.165	34.342	
15)	TM ENDRIN	4.531	3.720	96280681	218.4E6	27.202	26.423	
16)	TM 4,4-DDD	4.619	3.787	113.1E6	293.6E6	36.536	43.708	
17)	TM ENDOSULFA...	4.711	3.895	130.4E6	280.4E6	38.600	36.324	
18)	TM 4,4-DDT	4.878	4.006	64999779	144.2E6	20.150	18.597	
19)	TM ENDRIN AL...	4.978	4.226	85177467	191.0E6	35.855	34.018	
20)	TM ENODOSULF...	5.177	4.576	92550056	229.5E6	34.513	34.520	
21)	TM METHOXYCHLOR	5.363	4.409	27012056	64649052	16.224	15.746	
22)	TM ENDRIN KE...	5.527	4.799	197.2E6	290.2E6	59.870	35.326	#

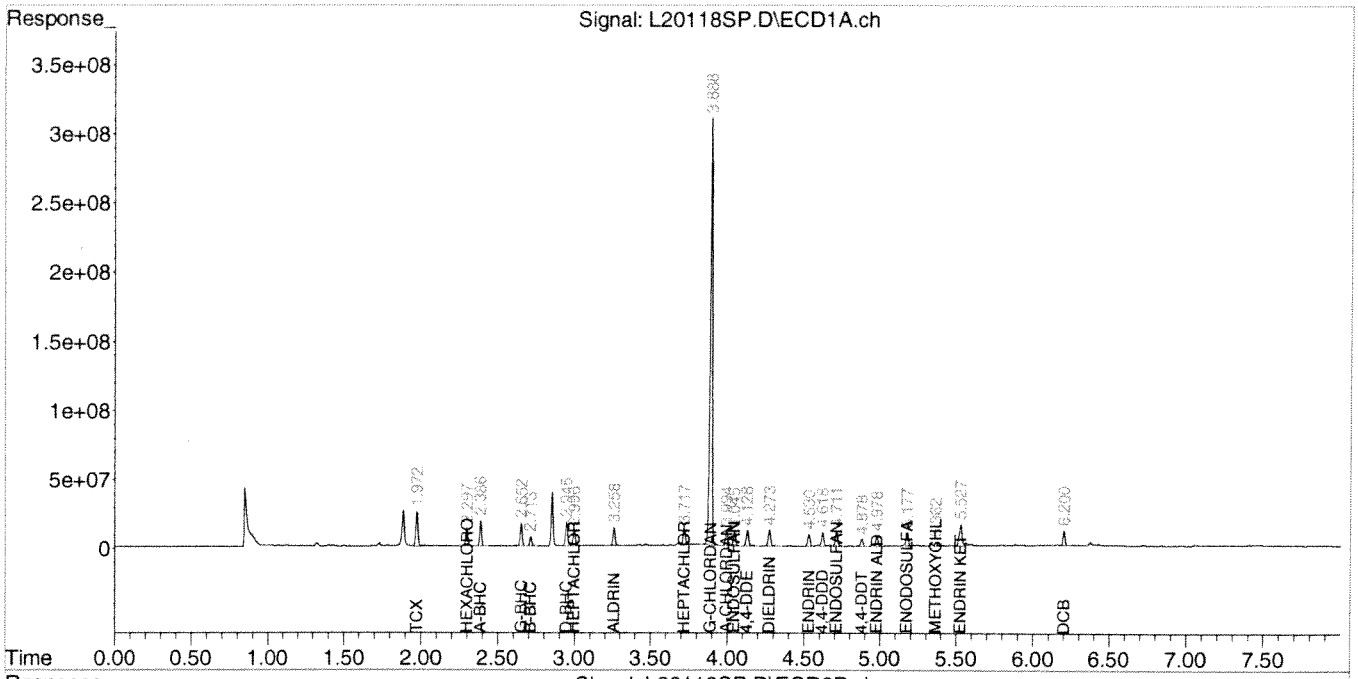
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

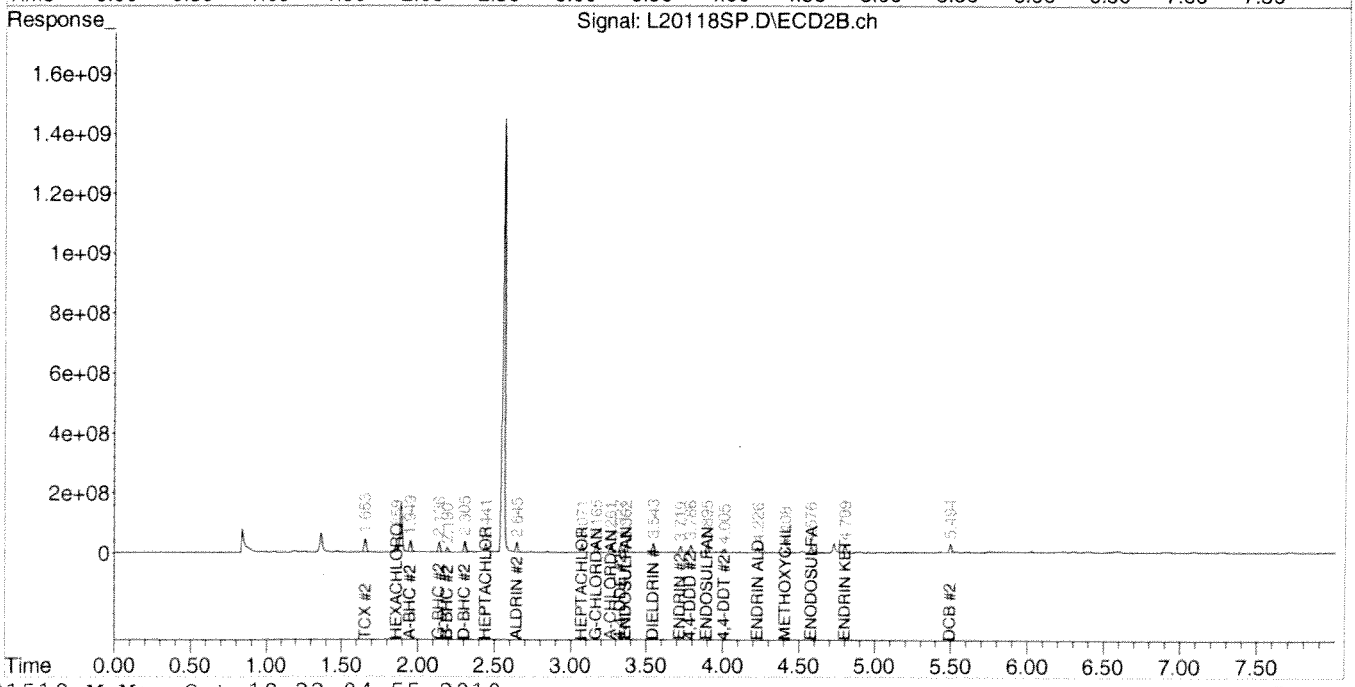
JL 10.19.10

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20118SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 5:10 pm
Operator : MAG/JLL
Sample : 67967-4,MS,, RR
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:55 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20119SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 5:20 pm
Operator : MAG/JLL
Sample : 67967-4,MSD,, RR
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:57 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

MR 10/18/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	1.973	1.654	247.2E6	484.9E6	69.405	68.969
Spiked Amount	100.000	Range 46 - 122	Recovery	=	69.41%	68.97%
23) S DCB	6.200	5.494	107.2E6	239.8E6	52.972	43.756
Spiked Amount	100.000	Range 40 - 135	Recovery	=	52.97%	43.76%
Target Compounds						
2) TM HEXACHLOR...	2.298	1.859	117.3E6	219.4E6	28.230	26.921
3) TM A-BHC	2.387	1.950	165.4E6	381.8E6	30.856	34.333
4) TM G-BHC	2.652	2.136	150.3E6	319.6E6	30.996	31.856
5) TM B-BHC	2.714	2.191	61868884	127.1E6	29.185	30.260
6) TM D-BHC	2.946	2.305	169.1E6	333.6E6	35.069	32.986
7) TM HEPTACHLOR	2.997	2.441	114.6E6	273.1E6	26.295	27.389
8) TM ALDRIN	3.259	2.645	126.0E6	308.1E6	30.701	33.025
9) TM HEPTACHLO...	3.718	3.072	128.1E6	265.5E6	33.171	30.534
10) TM G-CHLORDANE	3.888	3.166	2576.8E6	253.4E6	693.706	28.407 #
11) TM A-CHLORDANE	3.994	3.262	113.1E6	208.4E6	29.537	24.668
12) TM ENDOSULFAN I	4.045	3.362	106.8E6	257.7E6	30.609	30.046
13) TM 4,4-DDE	4.129	3.327	124.2E6	260.2E6	33.384	33.812
14) TM DIELDRIN	4.273	3.544	134.6E6	299.6E6	34.577	33.539
15) TM ENDRIN	4.530	3.720	97705834	224.1E6	27.622	27.138
16) TM 4,4-DDD	4.618	3.787	110.7E6	284.9E6	35.724	42.405
17) TM ENDOSULFA...	4.711	3.895	126.0E6	258.8E6	37.215	33.363
18) TM 4,4-DDT	4.878	4.006	71305156	159.4E6	22.139	20.563
19) TM ENDRIN AL...	4.978	4.226	81127655	184.6E6	34.051	32.827
20) TM ENODOSULF...	5.177	4.576	84597465	216.8E6	31.454	32.582
21) TM METHOXYCHLOR	5.363	4.408	33209687	74877945	20.343	18.482
22) TM ENDRIN KE...	5.528	4.799	144.9E6	288.1E6	43.761	35.062

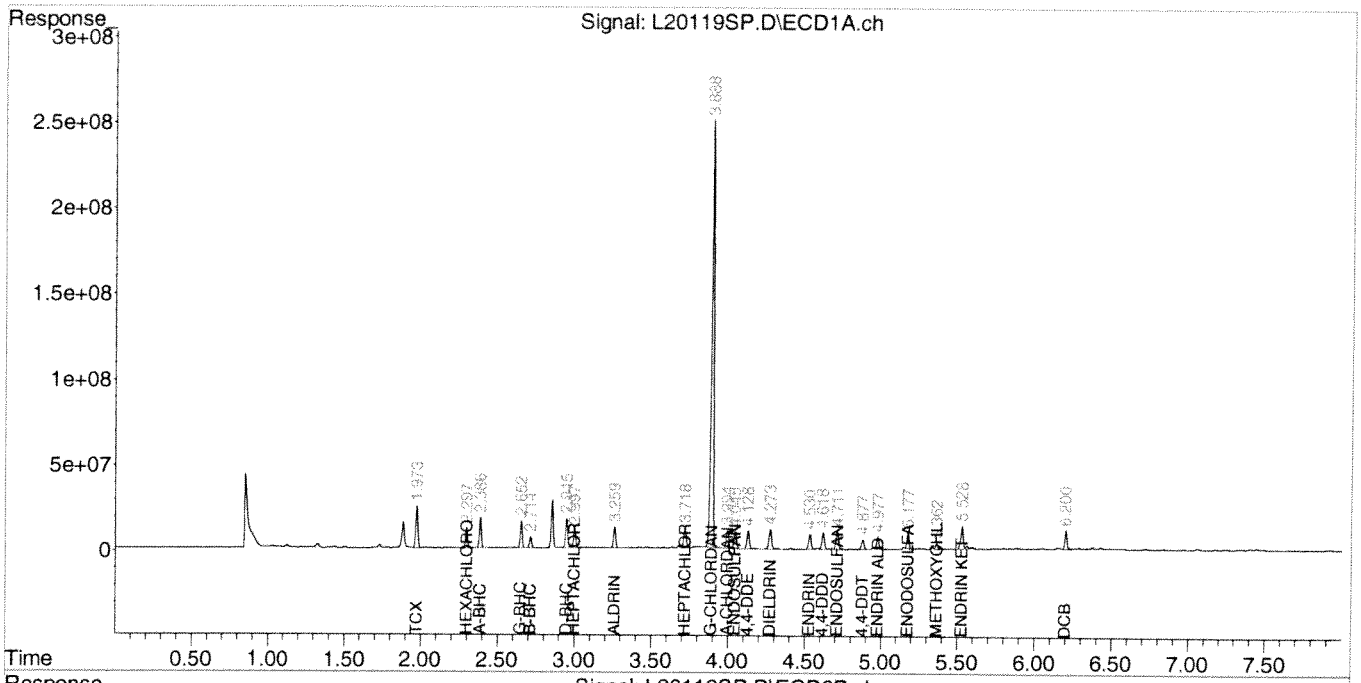
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

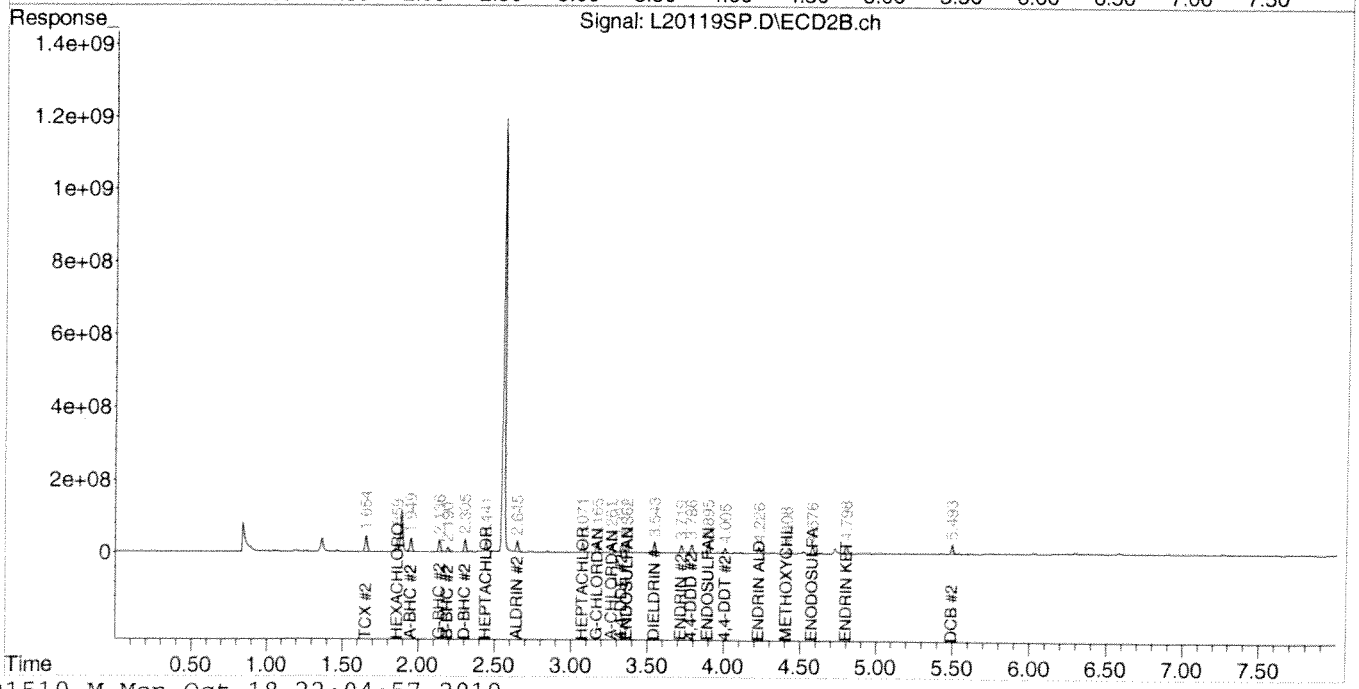
JL 10.19.10

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20119SP.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 5:20 pm
Operator : MAG/JLL
Sample : 67967-4,MSD,, RR
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:04:57 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Mon Oct 18 22:04:11 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





W-L-101510-1-JK

analytics environmental laboratory LLC

101510-L

PEST/PCB/HERB
Instrument L
Sequence Log Book

Load: JL
Unload: JL

Data File	Vial #	Sample	Method	Comments	Final Vol.
L20033-38	100	Hexane	PCB091510.m		
3QL	1	P5542 16/60 0.25ug/mL		✓	
40BL	4	P5550 AR1254 0.25ug/mL		✓	
41B	6	B101410PSOX.AL		✓	5mL
42Q	7	L101410PSOX.AL		✓	
43Q	8	LD101410PSOX.AL		✓	
44	9	68030-1.AL		✓	
45	10	68002-10, 1:5.AL		✓	
46	11	↓ -11, 1:5.AL		✓	
47SL	2	P5544 16/60 0.5ug/mL		✓	
48SL	5	P5552 AR1254 0.5ug/mL		✓	
49Q	12	B100810PS042.RR.AL		✓	5mL
50	13	67957-1.RR.AL		✓	
51	14	67973-3.RR.AL		✓	
52	15	67984-9.RR.AL		✓	
53	16	67994-1.RR.AL		✓	
54SL	2	P5544 16/60 0.5ug/mL		col #1 ↓ TCX (83%), ↓ 60 (70%) ↓ DCB (70%) col #2 ↓ DCB (76%)	
55SL	5	P5552 AR1254 0.5ug/mL		col #1 ↓ 54 (81%)	
56SL	1	P5542 16/60 0.25ug/mL		col #1 ↓ 60 (74%) ↓ DCB (72%) col #2 ↓ DCB (79%)	
57SL	4	P5550 AR1254 0.25ug/mL		✓	
58-65	100	Hexane W-L-101510-2-AR			
66	17	P5440 PEM			
67	18	P5532 Pest 30 Test		Re-Cal	
68	19	P5441 C/T Test			
69	17	P5556 PEM		✓	
70SI	18	P5528 Pest 2.5		NOT USED	
71SI	18	P5528 Pest 2.5		✓	
73SI	20	P5529 Pest 5		✓	
74SI	21	P5530 Pest 10		✓	
75SI	22	P5531 Pest 20		✓	
76SI	23	P5532 Pest 30		✓	
77SI	24	P5533 Pest 50		✓	
78SI	25	P5534 Pest 100		✓	
79SI	26	P5535 Pest 150		✓	
80CC	27	P5537 Pest ICV 25		✓	
81SI	28	P5336 C/T 0.01/0.02		✓	
82SI	29	P5337 C/T 0.025/0.05		✓	
83SI	30	P5338 C/T 0.05/0.1		✓	
84SI	31	P5339 C/T 0.1/0.2		✓	
85SI	32	P5441 C/T 0.25/0.5		✓	
86SI	33	P5567 C/T 0.5/1.0		✓	

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uL sample +990 uL hexane
1:1000- 1 uL sample +1000 uL hexane

Hexane Lot: 1008355

MTBE Lot:

* Continued Onto the Next page.

analytics environmental laboratory LLC

101510-L

PEST/PCB/HERB
Instrument L
Sequence Log Book

Load: JL
Unload: AN

Data File	Vial #	Sample	Method	Comments	Final Vol.
L20D8751	34	P5342 C/T 1.0/2.0		✓	
88CC	35	P5427 C/T ICV 0.5/1.0		✓	
89B	36	B101310PAS		✓ AR - window did not close	
90Q	37	L101310PAST		✓	
91Q	38	LD101310PAST		✓	
92	39	67957-1		✓	
93	40	67967-1		✓	
94	41	-2		✓	
95	42	-3		✓	
96	43	-4		✓	
97SP	44	-4.MS		✓ failures due	
98SP	45	-4.MSD		✓ to Matrix	
99SC	32	P5441 C/T 0.25/0.5		↓ Tox Col 1+2	
100SC	22	P5531 Pest 20		not evaluated	
01SC	23	P5532 Pest 30		failures	
02	17	P5556 PEM		↑ DDT breakdown	

JW 10.18.10

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot: 1008355

MTBE Lot:

analytics environmental laboratory LLC 101810-L

PEST/PCB/HERB
Instrument L
Sequence Log Bobk

Load: SU
Unload: MU

Data File	Vial #	Sample	Method	Comments	Final Vol.
L		W-L-101810-1-SU			
L20103-06	100	Hexane			
07	1	PS566 PEM		✓	
08SC	2	PS532 PEST 30		✓	
09SC	3	PS541 C/T 0.25/0.5		✓	
10B	6	B101310PAS, RR		✓	
11Q	7	Q101310PAS,,		Some failures ok 1st run	
12Q	8	Q101310PAS,,			
13	9	67957-1,,		✓	
14	10	67967-1,,		✓	
15	11	-2,,		✓	
16	12	-3,,		✓	
17	13	-4,,		✓	
18SP	14	-4, MS,, RR		failures due to Matrix	
19SP	15	-4, MSD,,			
20SC	3	PS541 C/T 0.25/0.5		↓ tox confirms	
21SC	2	PS532 PEST30		failures confirm	
22	1	PS566 PEM		↑ breakdown confirms	

MU 10/18/10

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot :

MTBE Lot:

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 3 04/08/10

Data File Name **L20069.D**
Date Acquired **10/16/2010 5:04**
Sample Name **P5556 PEM**

10/17/10

Name	Target Response	% BREAKDOWN	MAX 20%
4,4-DDT	156060451.7	2%	OK
4,4-DDE	3516451.109		
4,4-DDD	0		
ENDRIN	211003381.3	8%	OK
ENDRIN ALDEHYDE	3602280.22		
ENDRIN KETONE	15576492.38		
4,4-DDT #2	378536093.9	0%	OK
4,4-DDE #2	0		
4,4-DDD #2	0		
ENDRIN #2	504976123.1	7%	OK
ENDRIN ALDEHYDE #2	6611314.052		
ENDRIN KETONE #2	32928139.75		

J101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20069.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 5:04 am
Operator : AR
Sample : P5556 PEM
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 16:13:04 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
1)	S TCX	1.883f	1.572f	3756226	2548665	0.082	0.544	#
	Spiked Amount 100.000 Range 46 - 122 Recovery = 0.08%# 0.54%#							
23)	S DCB	0.000	5.546	0	12829541	N.D.	2.153	#
	Spiked Amount 100.000 Range 40 - 135 Recovery = 0.00%# 2.15%#							
	Target Compounds							
3)	TM A-BHC	0.000	1.891	0	1778008	N.D.	0.895	#
4)	TM G-BHC	2.667	2.139	353.1E6	789.2E6	82.345	90.033	
5)	TM B-BHC	2.667	2.139	353.1E6	789.2E6	199.801	225.674	
6)	TM D-BHC	3.014	0.000	278.1E6	0	65.246	N.D.	#
7)	TM HEPTACHLOR	3.014	2.445	278.1E6	667.2E6	75.322	80.048	
8)	TM ALDRIN	0.000	2.557f	0	79075398	N.D.	9.987	#
9)	TM HEPTACHLO...	3.736	3.077	244.8E6	559.1E6	72.348	76.750	
10)	TM G-CHLORDANE	3.906	3.077f	21751450	559.1E6	4.862	73.878	#
13)	TM 4,4-DDE	4.072	0.000	3516451	0	0.236	N.D.	#
15)	TM ENDRIN	4.550	3.726	211.0E6	505.0E6	68.465	74.236	
18)	TM 4,4-DDT	4.896	4.013	156.1E6	378.5E6	55.682	60.931	
19)	TM ENDRIN AL...	4.995	4.234	3602280	6611314	0.270	1.869	#
20)	TM ENODOSULF...	0.000	4.659f	0	2287589	N.D.	0.390	#
21)	TM METHOXYCHLOR	5.377	4.417	98722339	246.8E6	68.783	80.476	
22)	TM ENDRIN KE...	5.542	4.807	15576492	32928140	3.845	4.564	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

10/17/10

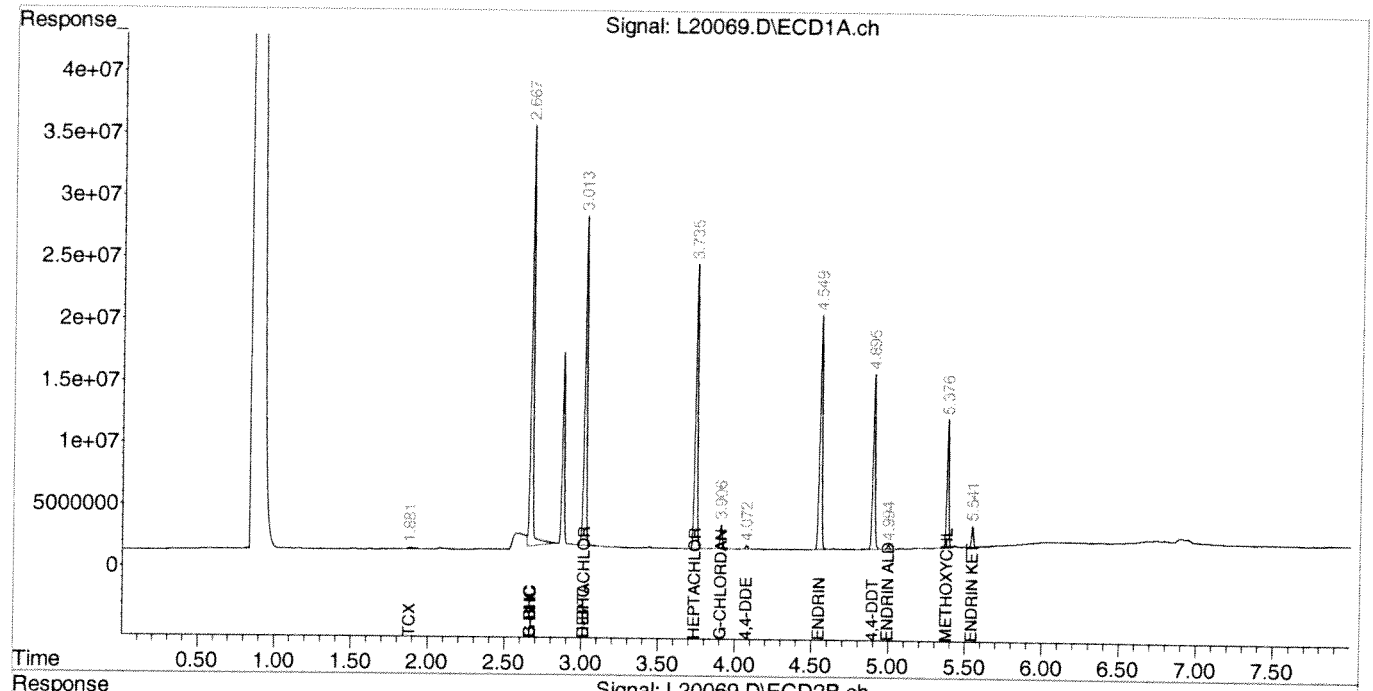
10/17/10

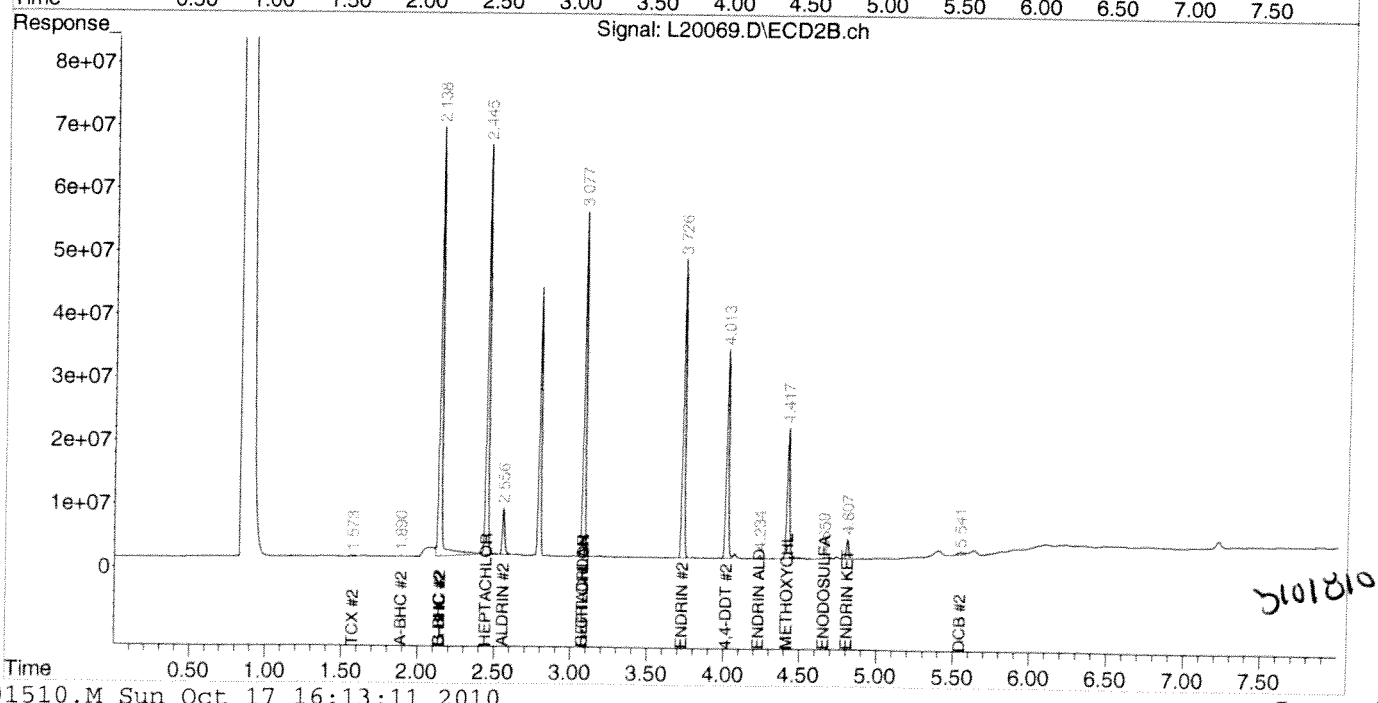
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20069.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 5:04 am
Operator : AR
Sample : P5556 PEM
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 16:13:04 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





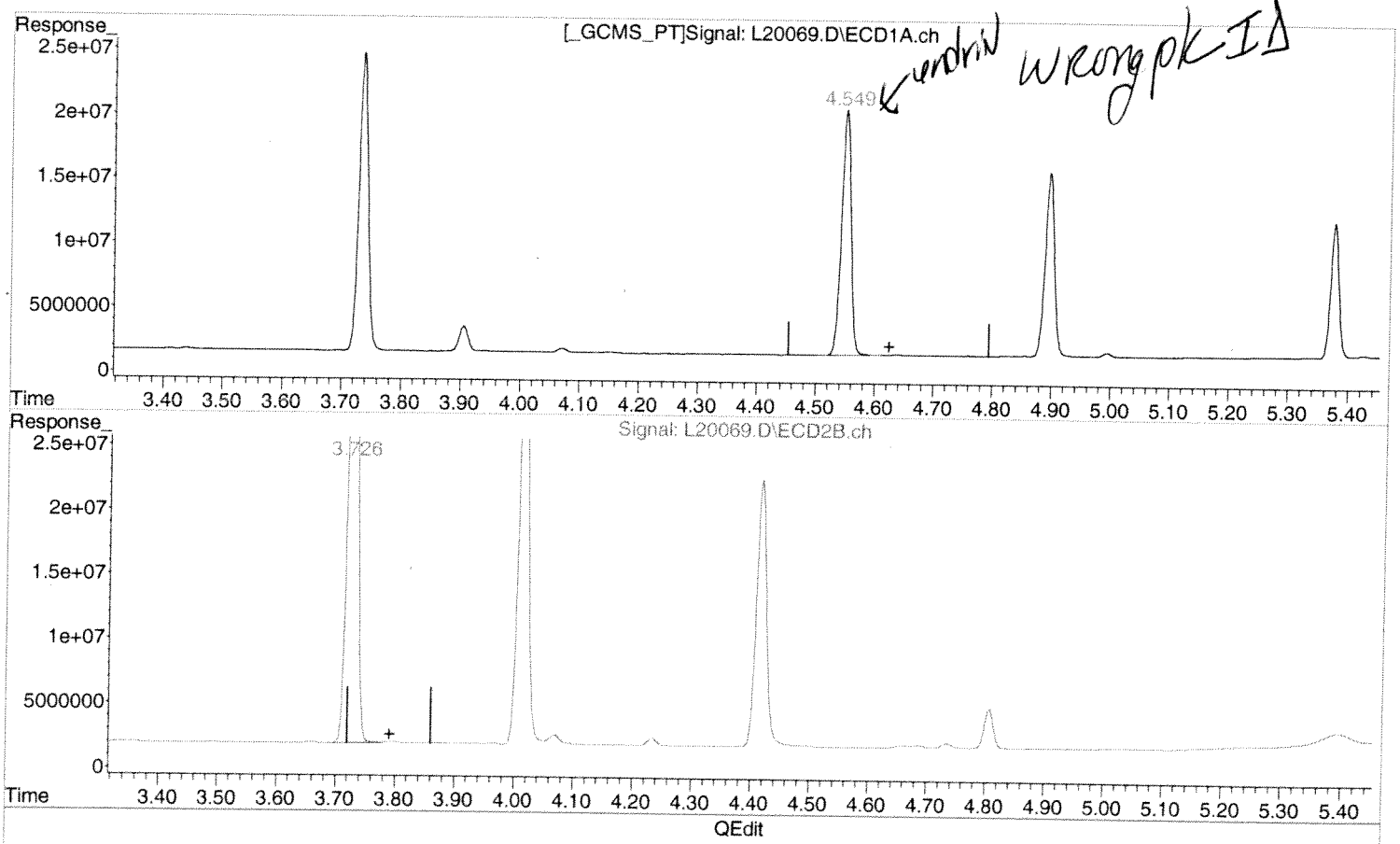
3101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20069.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 5:04 am
Operator : AR
Sample : P5556 PEM
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 16:12:52 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

PM 10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um



(16) 4,4-DDD (TM)
4.550min 77.735 ug/L
response 211003381

(16) 4,4-DDD #2 (TM)
3.726min 90.221 ug/L
response 504976123

3101810

(+) = Expected Retention Time
PT101510.M Sun Oct 17 16:13:04 2010

Data File Name **L20102.D**
Date Acquired **10/16/2010 11:03**
Sample Name **P5556 PEM**

PM 10/17/10

Name	Target Response	% BREAKDOWN	MAX 20%
4,4-DDT	73266494.8	30%	*
4,4-DDE	2134471.989		
4,4-DDD	28592387.87		
ENDRIN	181407695.8	14%	OK
ENDRIN ALDEHYDE	3280291.895		
ENDRIN KETONE	25372157.37		
4,4-DDT #2	164860559.6	25%	*
4,4-DDE #2	0		
4,4-DDD #2	55678885.61		
ENDRIN #2	434450801.1	13%	OK
ENDRIN ALDEHYDE #2	5612347.354		
ENDRIN KETONE #2	58442533.65		

5101810

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20102.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 11:03 am
Operator : AR
Sample : P5556 PEM
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 16:13:37 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
	Target Compounds							
4) TM	G-BHC	2.654	2.138	289.8E6	620.5E6	67.590	70.904	
5) TM	B-BHC	2.654	2.138	289.8E6	620.5E6	163.577	177.462	
6) TM	D-BHC	2.999	0.000	214.1E6	0	50.301	N.D.	#
7) TM	HEPTACHLOR	2.999	2.443	214.1E6	517.6E6	57.868	62.090	
8) TM	ALDRIN	0.000	2.554f	0	9246177	N.D.	1.245	#
9) TM	HEPTACHLO...	3.720	3.073	230.0E6	538.0E6	67.885	73.843	
10) TM	G-CHLORDANE	3.890	3.073f	3558747	538.0E6	N.D.	71.111	
11) TM	A-CHLORDANE	4.056	0.000	5347246	0	0.360	N.D.	#
12) TM	ENDOSULFAN I	4.056	0.000	5347246	0	0.137	N.D.	#
15) TM	ENDRIN	4.533	3.722	181.4E6	434.5E6	58.723	63.891	
16) TM	4,4-DDD	4.623	3.793	28592388	55678886	9.473	11.888	#
17) TM	ENDOSULFA...	4.714	3.961	6100942	10409681	N.D.	1.621	
18) TM	4,4-DDT	4.881	4.009	73266495	164.9E6	25.882	27.724	
19) TM	ENDRIN AL...	4.981	4.229	3280292	5612347	0.116	1.657	#
20) TM	ENODOSULF...	0.000	4.601	0	2614364	N.D.	0.449	#
21) TM	METHOXYCHLOR	5.366	4.413	53806611	129.8E6	36.447	42.576	
22) TM	ENDRIN KE...	5.531	4.801	25372157	58442534	7.030	8.353	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

3101810

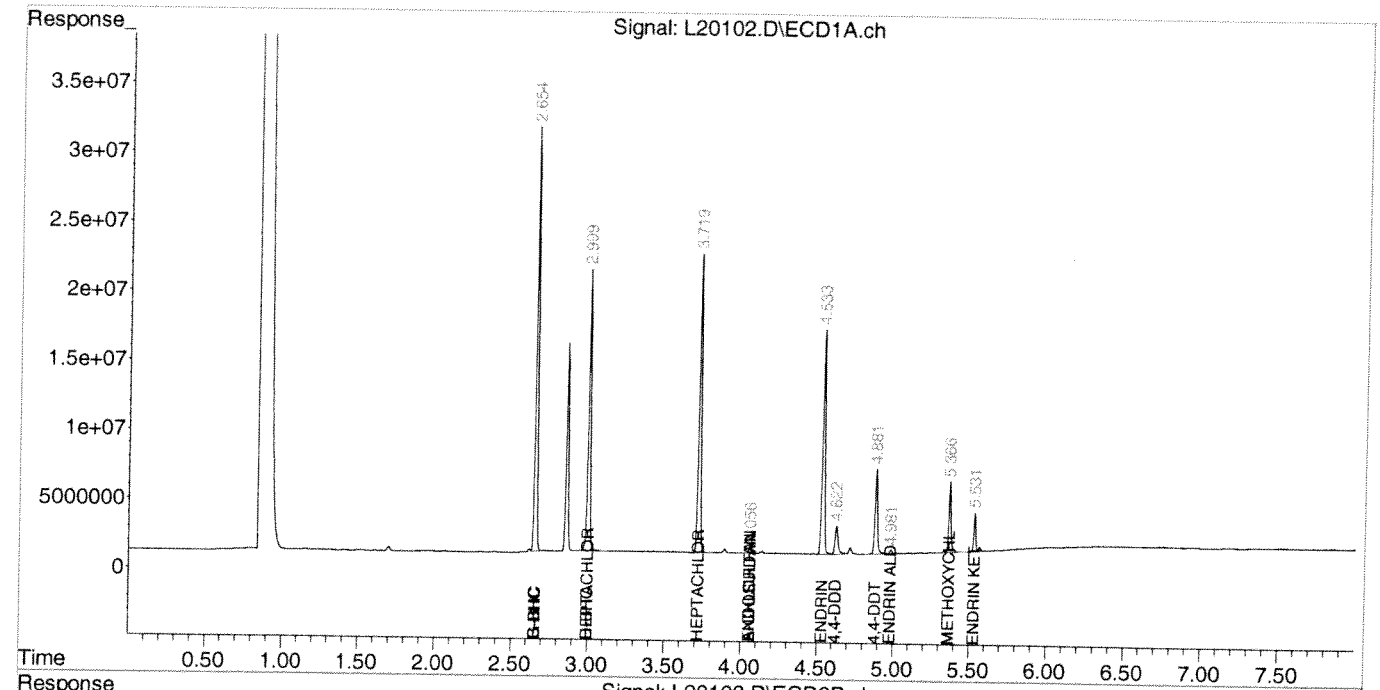
Quantitation Report (Not Reviewed)

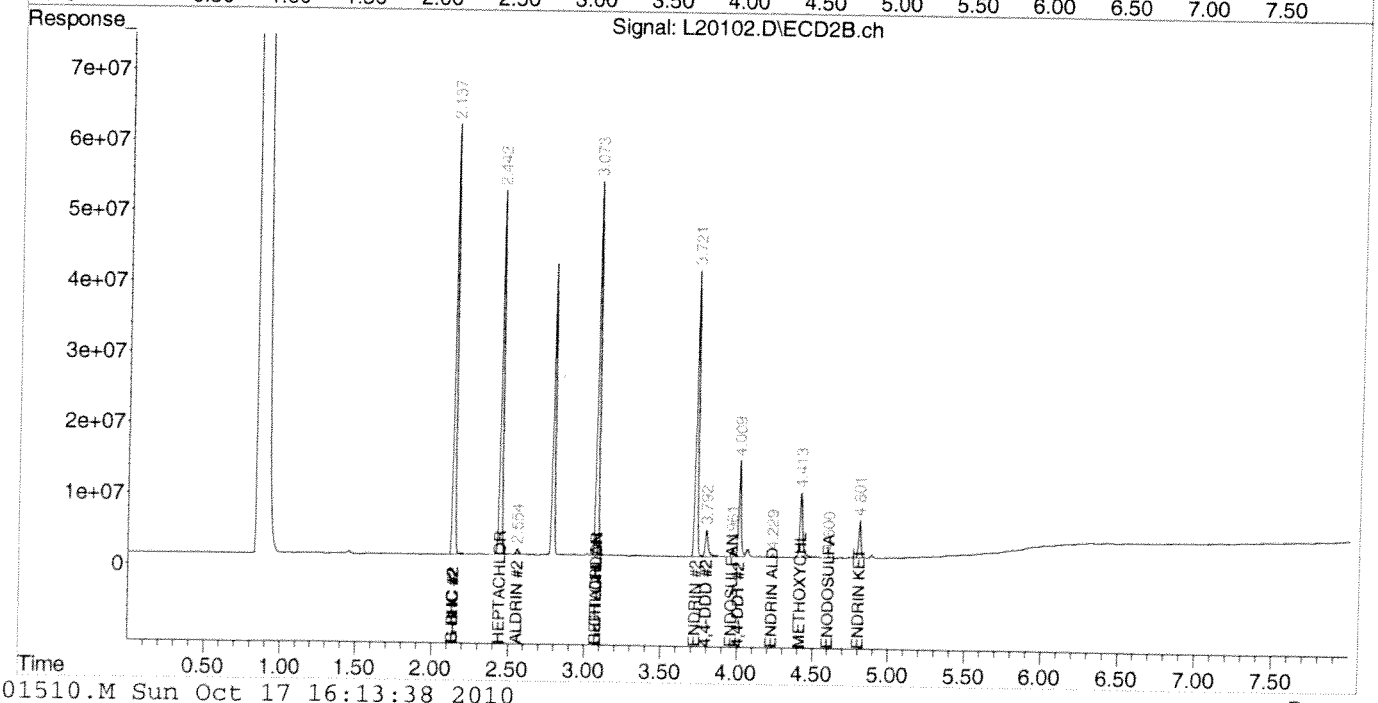
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20102.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 11:03 am
Operator : AR
Sample : P5556 PEM
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 16:13:37 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

PM 10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Data File Name **L20107.D**
Date Acquired **10/18/2010 14:51**
Sample Name **P5566 PEM**

Name	Target Response	% BREAKDOWN	MAX 20%
4,4-DDT	150872765.7	4%	OK
4,4-DDE	4786515.125		
4,4-DDD	1821274.928		
ENDRIN	222159696.3	4%	OK
ENDRIN ALDEHYDE	3461326.751		
ENDRIN KETONE	5726527.081		
4,4-DDT #2	358139864.9	1%	OK
4,4-DDE #2	712466.197		
4,4-DDD #2	1689398.401		
ENDRIN #2	545552031	3%	OK
ENDRIN ALDEHYDE #2	4820227.049		
ENDRIN KETONE #2	11145820.83		

10/19/10

10/18/10

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 2:51 pm
Operator : MAG/JLL
Sample : P5566 PEM
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 15:13:14 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
	Target Compounds							
4)	TM G-BHC	2.653	2.137	351.2E6	795.6E6	72.646	79.818	
5)	TM B-BHC	2.653	2.137	351.2E6	795.6E6	177.272	203.499	
6)	TM D-BHC	2.998	0.000	260.6E6	0	53.994	N.D.	#
7)	TM HEPTACHLOR	2.998	2.442	260.6E6	646.0E6	60.780	66.097	
9)	TM HEPTACHLO...	3.718	3.072	238.2E6	559.8E6	63.219	66.023	
10)	TM G-CHLORDANE	0.000	3.072f	0	559.8E6	N.D.	63.407	#
13)	TM 4,4-DDE	4.055f	3.338	4786515	712466	0.397	0.788m	#
15)	TM ENDRIN	4.532	3.720	222.2E6	545.6E6	64.242	67.684	
18)	TM 4,4-DDT	4.880	4.010	150.9E6	358.1E6	47.247	46.299	
21)	TM METHOXYCHLOR	5.365	4.415	99002784	254.5E6	64.066	66.546	
22)	TM ENDRIN KE...	5.529	4.800	5726527	11145821	0.893	0.351	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

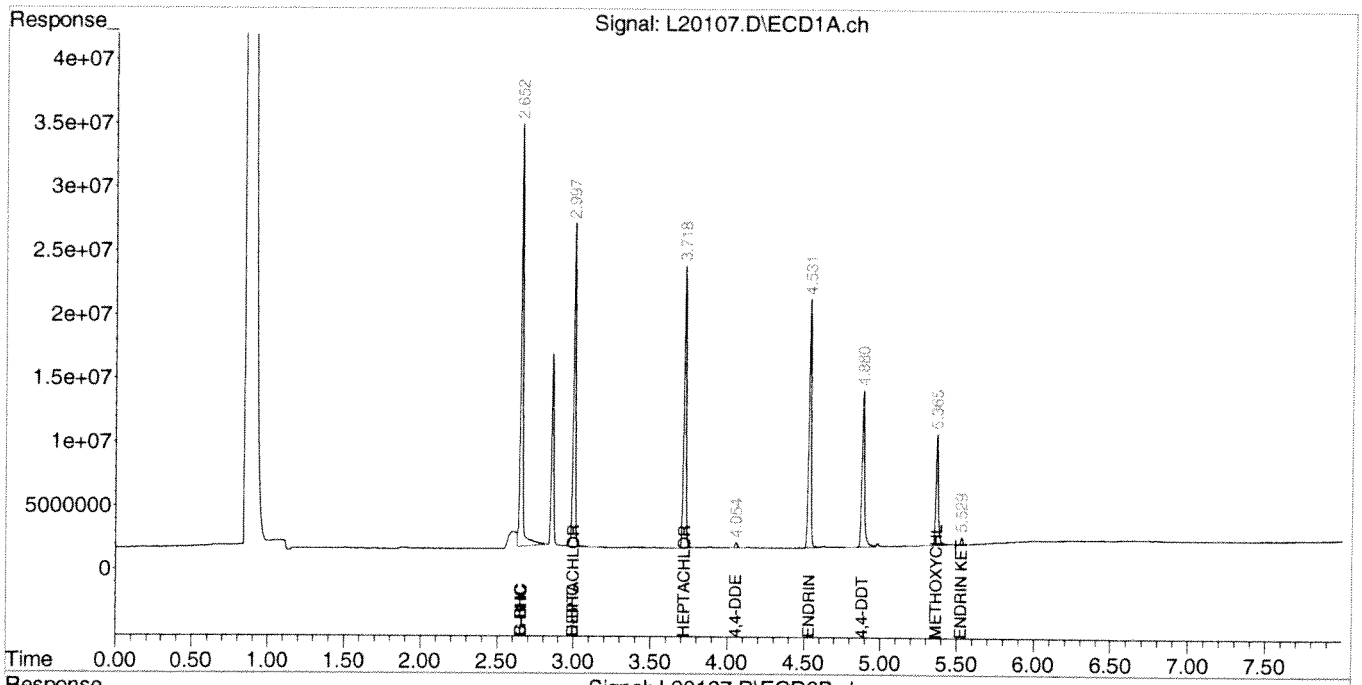
10/18/10

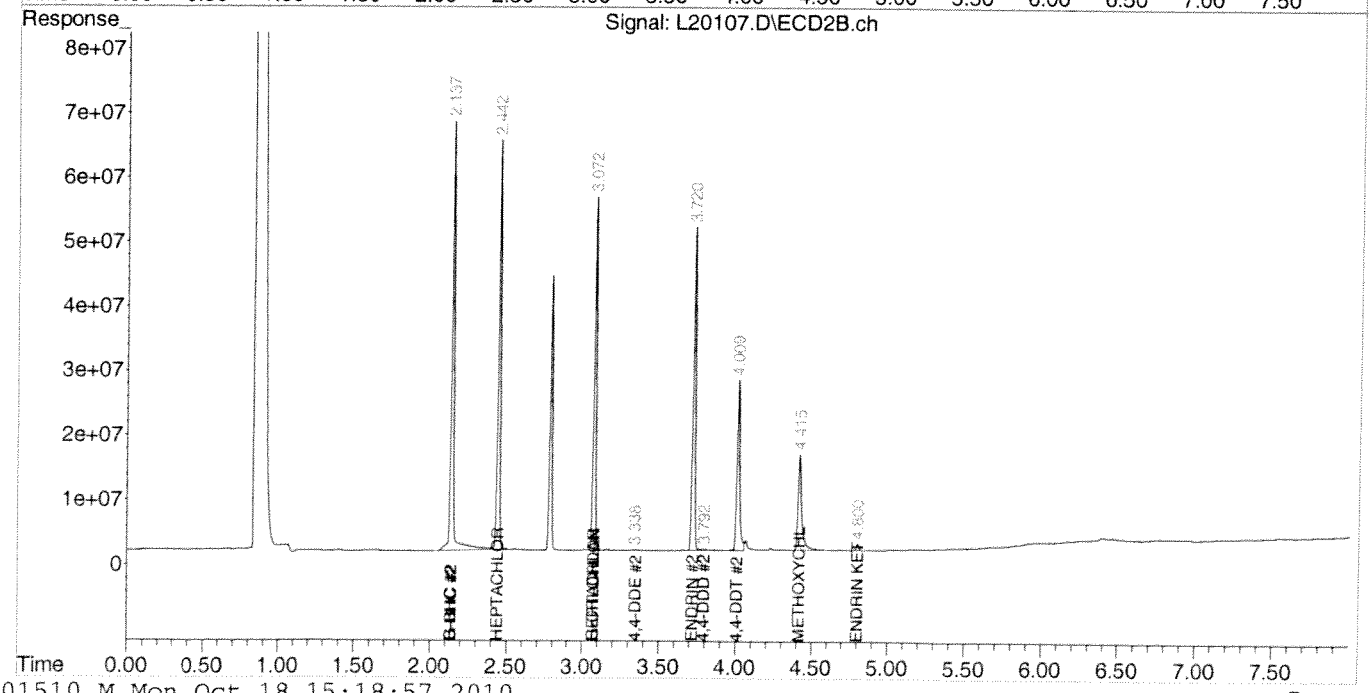
Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 2:51 pm
Operator : MAG/JLL
Sample : P5566 PEM
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 15:13:14 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um



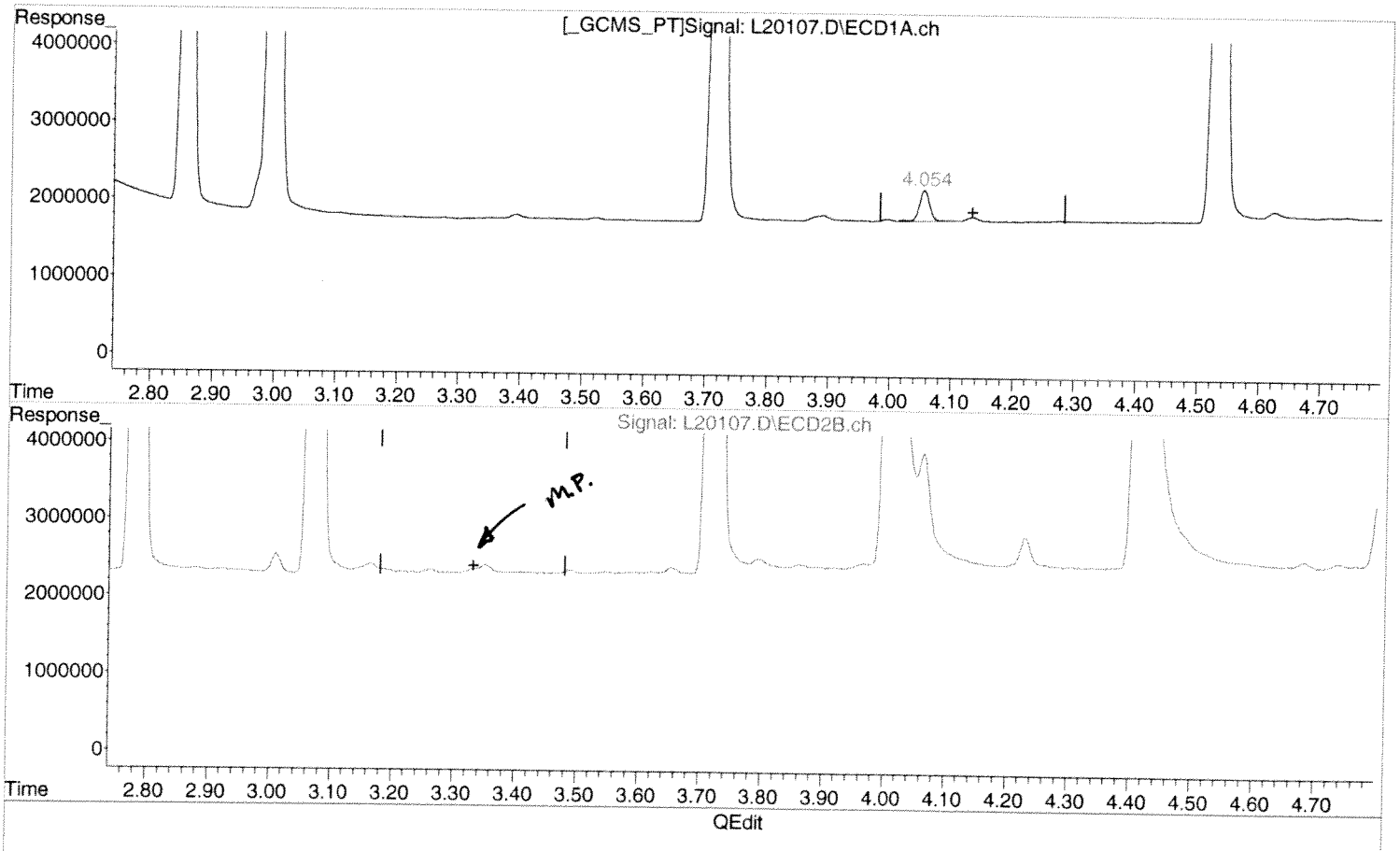


Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 2:51 pm
Operator : MAG/JLL
Sample : P5566 PEM
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 15:00:15 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JLL 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um



(13) 4,4-DDE (TM)
4.055min 0.397 ug/L
response 4786515

(13) 4,4-DDE #2 (TM)
0.000min 0.000 ug/L
response 0

10/18/10

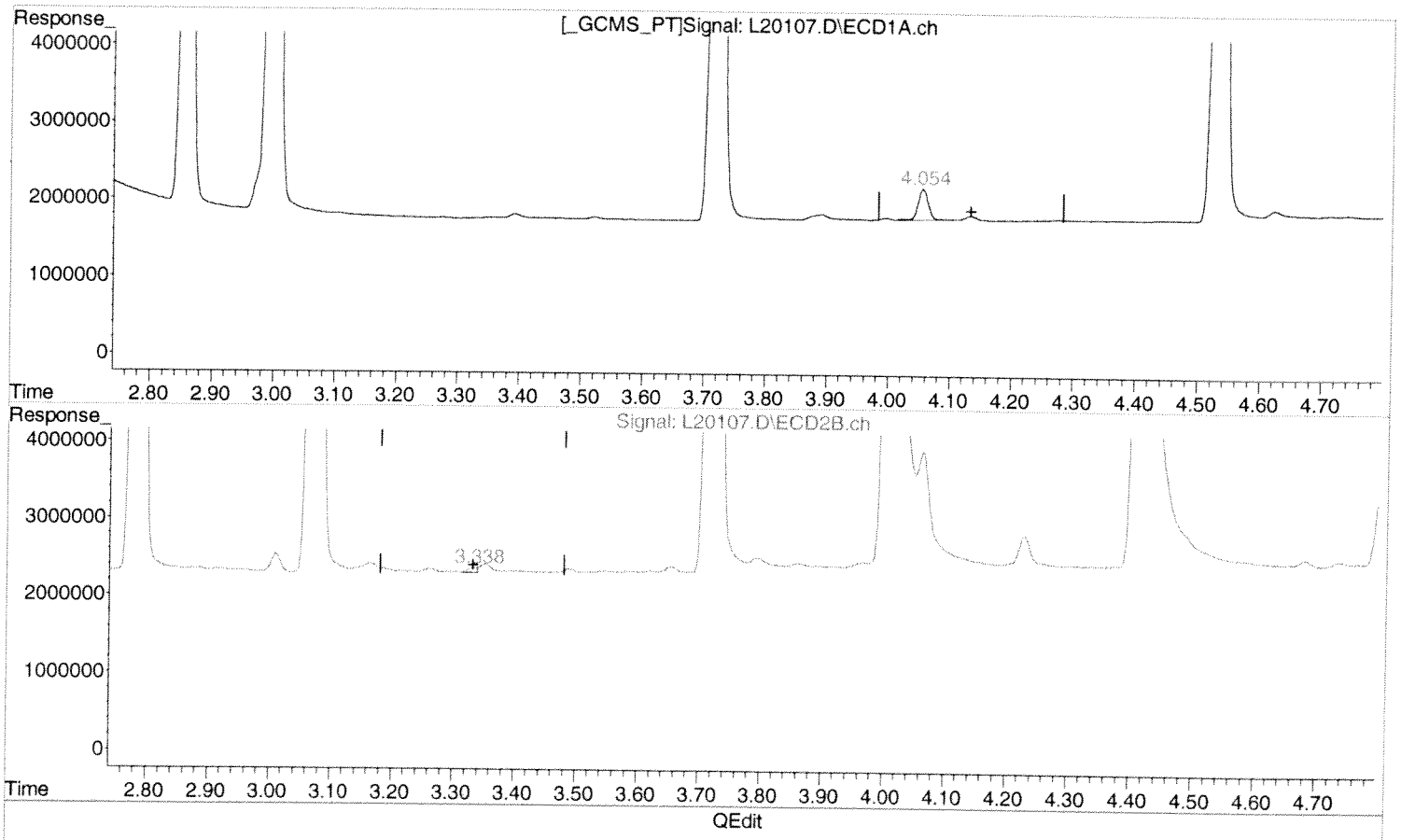
(+) = Expected Retention Time
PT101510.M Mon Oct 18 15:12:26 2010

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 2:51 pm
Operator : MAG/JLL
Sample : P5566 PEM
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 15:00:15 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JW 10-18-10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um



(13) 4,4-DDE (TM)
4.055min 0.397 ug/L
response 4786515

(13) 4,4-DDE #2 (TM)
3.338min 0.788 ug/L m
response 712466

JW 10/18/10

(+) = Expected Retention Time
PT101510.M Mon Oct 18 15:13:17 2010

Data File Name **L20122.D**
Date Acquired **10/18/2010 17:51**
Sample Name **P5566 PEM**

10/18/10

Name	Target Response	% BREAKDOWN	MAX 20%
4,4-DDT	50851269.61	39%	*
4,4-DDE	4317418.376		
4,4-DDD	28555257.63		
ENDRIN	156312049.2	19%	OK
ENDRIN ALDEHYDE	4883084.389		
ENDRIN KETONE	32004860.05		
4,4-DDT #2	113598953.4	34%	*
4,4-DDE #2	0		
4,4-DDD #2	58180358.3		
ENDRIN #2	381105490.2	18%	OK
ENDRIN ALDEHYDE #2	9228750.493		
ENDRIN KETONE #2	75240821.75		

RT of window confirms failure

10.19.10

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20122.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 5:51 pm
Operator : MAG/JLL
Sample : P5566 PEM
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 21:59:02 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

10/18/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
	Target Compounds							
4) TM	G-BHC	2.651	2.135	287.1E6	625.3E6	59.358	62.657	
5) TM	B-BHC	2.651	2.197	287.1E6	1466572	144.464	N.D.	#
6) TM	D-BHC	2.996	0.000	200.5E6	0	41.562	N.D.	#
7) TM	HEPTACHLOR	2.996	2.440	200.5E6	495.1E6	46.585	50.434	
9) TM	HEPTACHLO...	3.717	3.071	229.9E6	551.7E6	60.953	65.039	
10) TM	G-CHLORDANE	0.000	3.071f	0	551.7E6	N.D.	62.474	#
11) TM	A-CHLORDANE	4.053	0.000	7050123	0	0.163	N.D.	#
12) TM	ENDOSULFAN I	4.053	0.000	7050123	0	0.250	N.D.	#
13) TM	4,4-DDE	4.134	0.000	4317418	0	0.267	N.D.	#
15) TM	ENDRIN	4.530	3.719	156.3E6	381.1E6	44.866	46.941	
16) TM	4,4-DDD	4.620	3.791	28555258	58180358	8.128	8.563	
17) TM	ENDOSULFA...	4.711	3.959	10131229	20844864	0.983	0.860	
18) TM	4,4-DDT	4.878	4.007	50851270	113.6E6	15.685	14.638	
19) TM	ENDRIN AL...	4.978	4.227	4883084	9228750	0.098	0.132	#
20) TM	ENODOSULF...	0.000	4.598	0	4995419	N.D.	0.038	#
21) TM	METHOXYCHLOR	5.363	4.412	34366906	88131080	21.112	22.029	
22) TM	ENDRIN KE...	5.528	4.799	32004860	75240822	8.987	8.384	

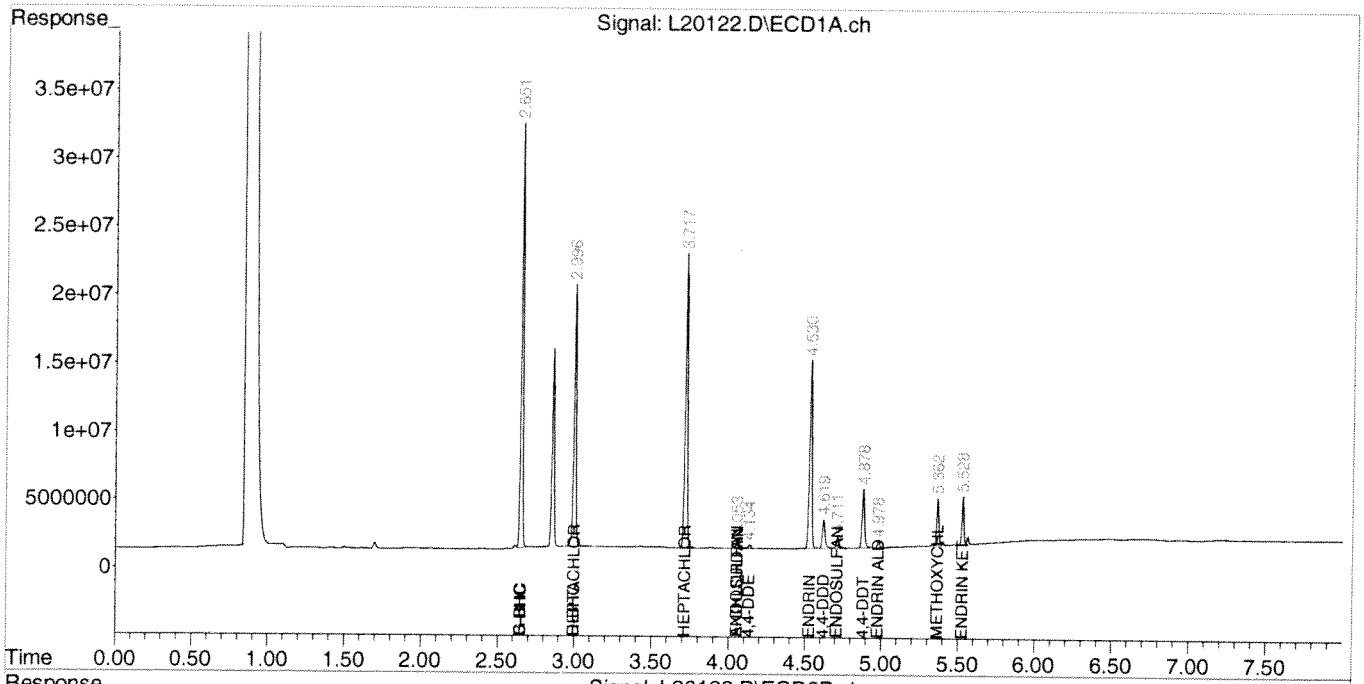
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

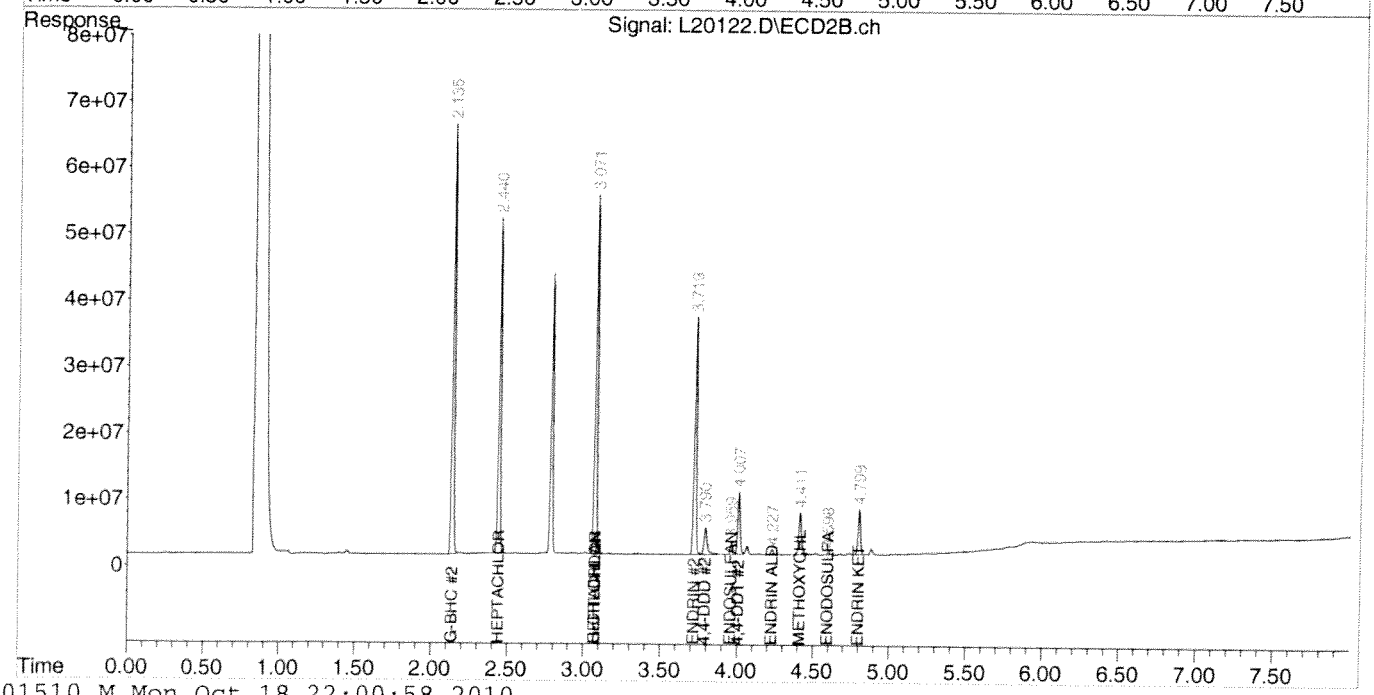
10.19.2

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20122.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 5:51 pm
Operator : MAG/JLL
Sample : P5566 PEM
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 21:59:02 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Acq. Method File C:\msdchem\1\METHODS\PT101510.M
Level 1 File Name L20071SI.D
Level 2 File Name L20073SI.D
Level 3 File Name L20074SI.D
Level 4 File Name L20075SI.D
Level 5 File Name L20076SI.D
Level 6 File Name L20077SI.D
Level 7 File Name L20078SI.D
Level 8 File Name L20079SI.D

Response= X + YA + Z(A*A)

10/17/10

Name	Calibration Fit	X	Y	Z	R^2	R
TCX	0	4.55E+06	3.50E+06	0.00E-01	1.000	1.000
HEXACHLOROBENZENE	0	5.80E+06	3.95E+06	0.00E-01	0.999	1.000
A-BHC	0	-1.88E+05	5.37E+06	0.00E-01	1.000	1.000
G-BHC	0	7.66E+05	4.82E+06	0.00E-01	1.000	1.000
B-BHC	0	4.84E+06	1.95E+06	0.00E-01	0.999	1.000
D-BHC	0	-3.38E+05	4.83E+06	0.00E-01	1.000	1.000
HEPTACHLOR	0	3.35E+06	4.23E+06	0.00E-01	1.000	1.000
ALDRIN	0	4.19E+06	3.97E+06	0.00E-01	1.000	1.000
HEPTACHLOR EPOXIDE	0	6.52E+06	3.67E+06	0.00E-01	0.999	1.000
G-CHLORDANE	**0**	**3.03E+07**	**3.67E+06**	**0.00E-01**	**0.925**	**0.962** Interferenc
A-CHLORDANE	0	6.46E+06	3.61E+06	0.00E-01	0.999	1.000
ENDOSULFAN I	0	6.23E+06	3.29E+06	0.00E-01	0.999	1.000 use Col 2
4,4-DDE	0	3.35E+06	3.62E+06	0.00E-01	0.999	1.000
DIELDRIN	0	4.13E+06	3.77E+06	0.00E-01	0.999	1.000 for G-
ENDRIN	0	3.83E+06	3.40E+06	0.00E-01	0.999	0.999
4,4-DDD	0	4.35E+06	2.98E+06	0.00E-01	0.999	1.000
ENDOSULFAN II	0	6.99E+06	3.20E+06	0.00E-01	0.998	0.999 chlordan
4,4-DDT	0	1.14E+06	3.17E+06	0.00E-01	1.000	1.000
ENDRIN ALDEHYDE	0	4.66E+06	2.25E+06	0.00E-01	0.998	0.999
ENODOSULFAN SULFATE	0	2.83E+06	2.60E+06	0.00E-01	0.999	1.000
METHOXYCHLOR	0	2.60E+06	1.50E+06	0.00E-01	0.999	0.999
ENDRIN KETONE	0	2.83E+06	3.25E+06	0.00E-01	1.000	1.000
DCB	0	3.17E+06	1.96E+06	0.00E-01	0.999	0.999
TCX #2	0	6.98E+06	6.93E+06	0.00E-01	0.999	0.999
HEXACHLOROBENZENE #2	0	3.80E+06	8.01E+06	0.00E-01	1.000	1.000
A-BHC #2	0	2.05E+06	1.11E+07	0.00E-01	0.998	0.999
G-BHC #2	0	3.36E+06	9.93E+06	0.00E-01	0.998	0.999
B-BHC #2	0	1.03E+07	3.86E+06	0.00E-01	0.997	0.999
D-BHC #2	0	1.88E+06	1.01E+07	0.00E-01	0.999	0.999
HEPTACHLOR #2	0	9.28E+06	9.63E+06	0.00E-01	0.999	0.999
ALDRIN #2	0	1.00E+07	9.03E+06	0.00E-01	0.998	0.999
HEPTACHLOR EPOXIDE #2	0	1.22E+07	8.29E+06	0.00E-01	0.998	0.999
G-CHLORDANE #2	0	4.75E+06	8.75E+06	0.00E-01	0.998	0.999
A-CHLORDANE #2	0	-1.52E+06	8.51E+06	0.00E-01	0.995	0.998
ENDOSULFAN I #2	0	1.86E+07	7.96E+06	0.00E-01	0.993	0.997
4,4-DDE #2	0	-5.48E+06	7.86E+06	0.00E-01	0.999	1.000
DIELDRIN #2	0	8.51E+06	8.68E+06	0.00E-01	0.997	0.998
ENDRIN #2	0	8.97E+06	7.93E+06	0.00E-01	0.996	0.998
4,4-DDD #2	0	8.16E+05	6.70E+06	0.00E-01	0.999	0.999
ENDOSULFAN II #2	0	1.45E+07	7.32E+06	0.00E-01	0.996	0.998
4,4-DDT #2	0	5.45E+05	7.72E+06	0.00E-01	0.998	0.999
ENDRIN ALDEHYDE #2	0	8.52E+06	5.36E+06	0.00E-01	0.998	0.999
ENODOSULFAN SULFATE #2	0	4.75E+06	6.51E+06	0.00E-01	0.998	0.999
METHOXYCHLOR #2	0	5.80E+06	3.74E+06	0.00E-01	0.997	0.998
ENDRIN KETONE #2	0	8.35E+06	7.98E+06	0.00E-01	0.998	0.999
DCB #2	0	-5.74E+06	5.61E+06	0.00E-01	1.000	1.000

Linear Regression= 0
Avg RF= 1
Quadratic= 3

5101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20071SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 5:48 am
Operator : AR
Sample : P5528 PEST 2.5
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:28:57 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	1.974	1.654	11336479	24722174	2.515	4.130m#
Spiked Amount	100.000	Range	46 - 122	Recovery =	2.52%#	4.13%#
23) S DCB	6.207	5.499	7048195	13337181	1.234	2.258 #
Spiked Amount	100.000	Range	40 - 135	Recovery =	1.23%#	2.26%#
Target Compounds						
2) TM HEXACHLOR...	2.300	1.859	24850376	21022753	5.708	2.147 #
3) TM A-BHC	2.389	1.950	16160398	24897838	3.724	3.247
4) TM G-BHC	2.656	2.137	13556413	22632690	3.205	3.124
5) TM B-BHC	2.718	2.191	7519611	34903396	2.065	10.138 #
6) TM D-BHC	2.950	2.306	12781128	26385900	3.351	3.916
7) TM HEPTACHLOR	3.002	2.443	12771471	25038180	3.031	2.965
8) TM ALDRIN	3.263	2.647	12688344	25138961	2.653	3.234
9) TM HEPTACHLO...	3.723	3.074	12548855	21715616	2.318	2.617
10) TM G-CHLORDANE	3.882	3.168	13831298	21037605	2.559	3.225 #
11) TM A-CHLORDANE	4.000	3.265	14588400	23295812	3.188	3.475
12) TM ENDOSULFAN I	4.051	3.365	11827506	21668823	2.313	1.887
13) TM 4,4-DDE	4.135	3.331	11134797	17699378	2.583	2.613
14) TM DIELDRIN	4.279	3.546	12028529	19541555	2.667	2.965
15) TM ENDRIN	4.537	3.723	7125458	12467928	1.356	1.990 #
16) TM 4,4-DDD	4.627	3.794	9587884	16987066	2.361	5.142 #
17) TM ENDOSULFA...	4.718	3.899	11647474	18887427	1.839	2.923 #
18) TM 4,4-DDT	4.886	4.012	9580004	17533469	2.959	4.827 #
19) TM ENDRIN AL...	4.985	4.231	7678419	17139959	2.221	4.103 #
20) TM ENODOSULF...	5.184	4.580	8446268	18491791	1.420	3.281 #
21) TM METHOXYCHLOR	5.369	4.417	4337295	10507394	0.833	3.934 #
22) TM ENDRIN KE...	5.535	4.803	12392357	25729381	2.809	3.496

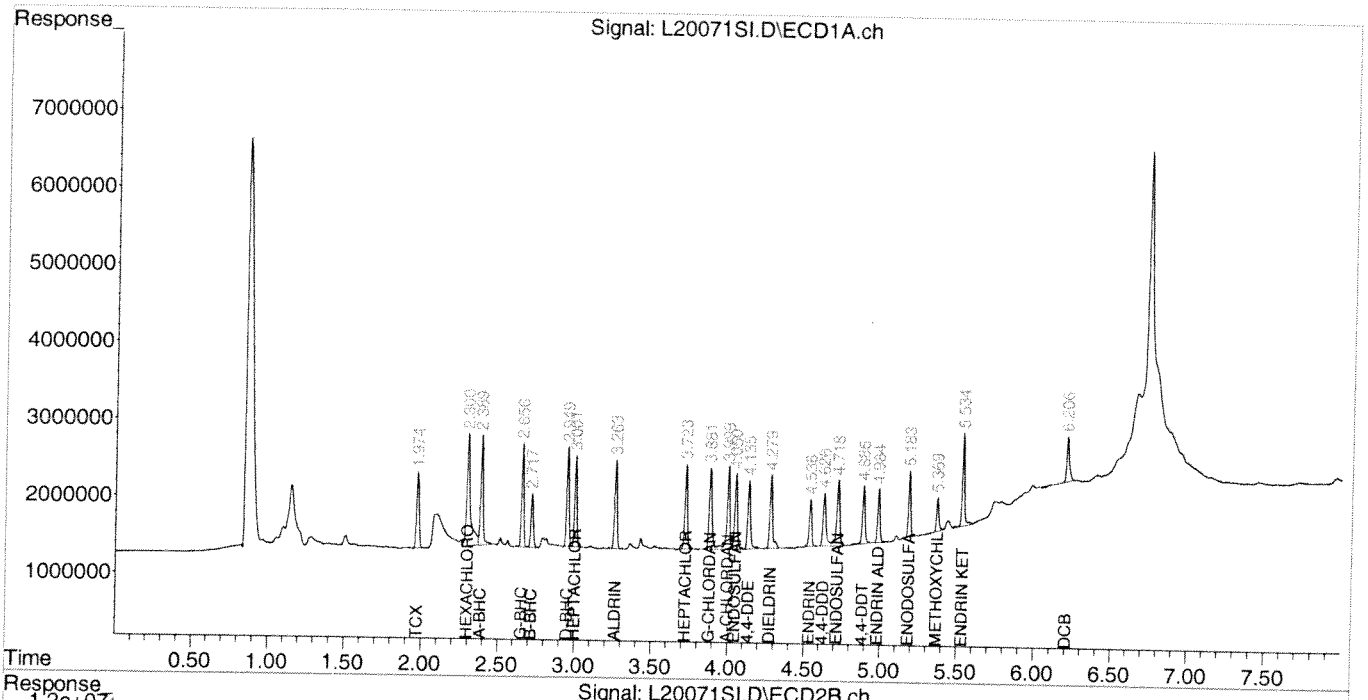
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

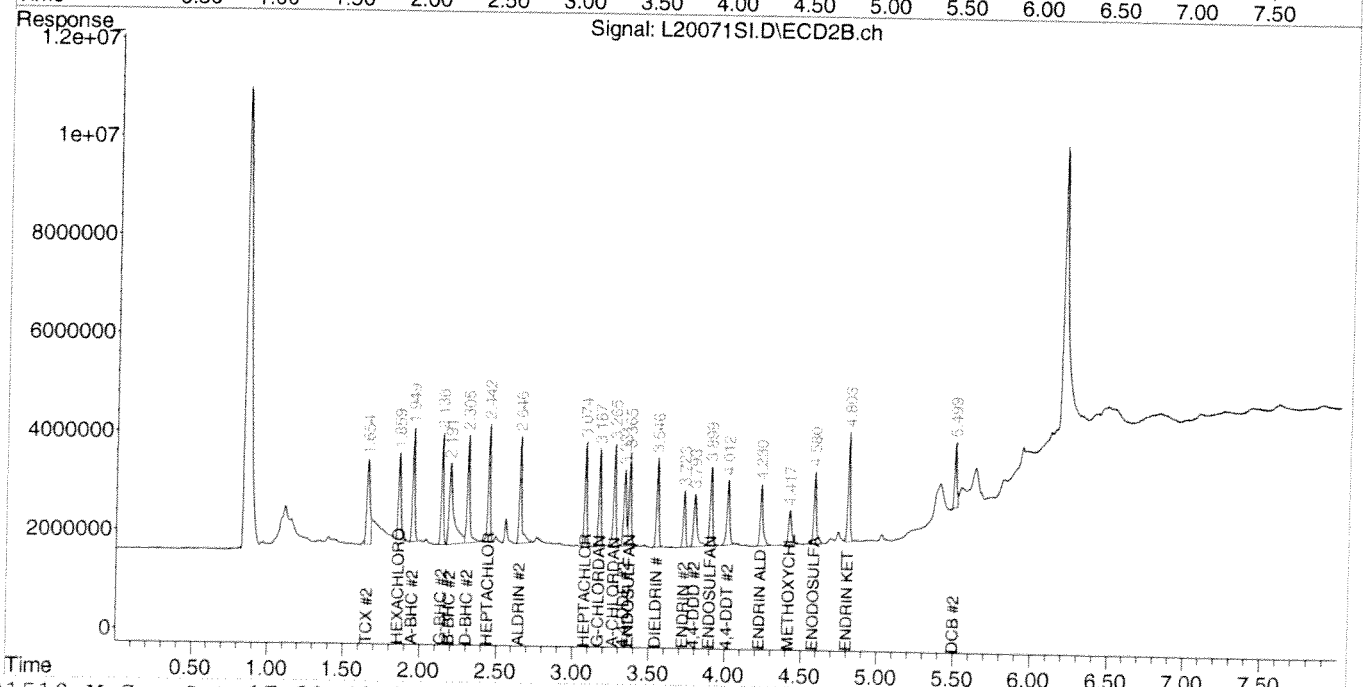
5101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20071SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 5:48 am
Operator : AR
Sample : P5528 PEST 2.5
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:28:57 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um



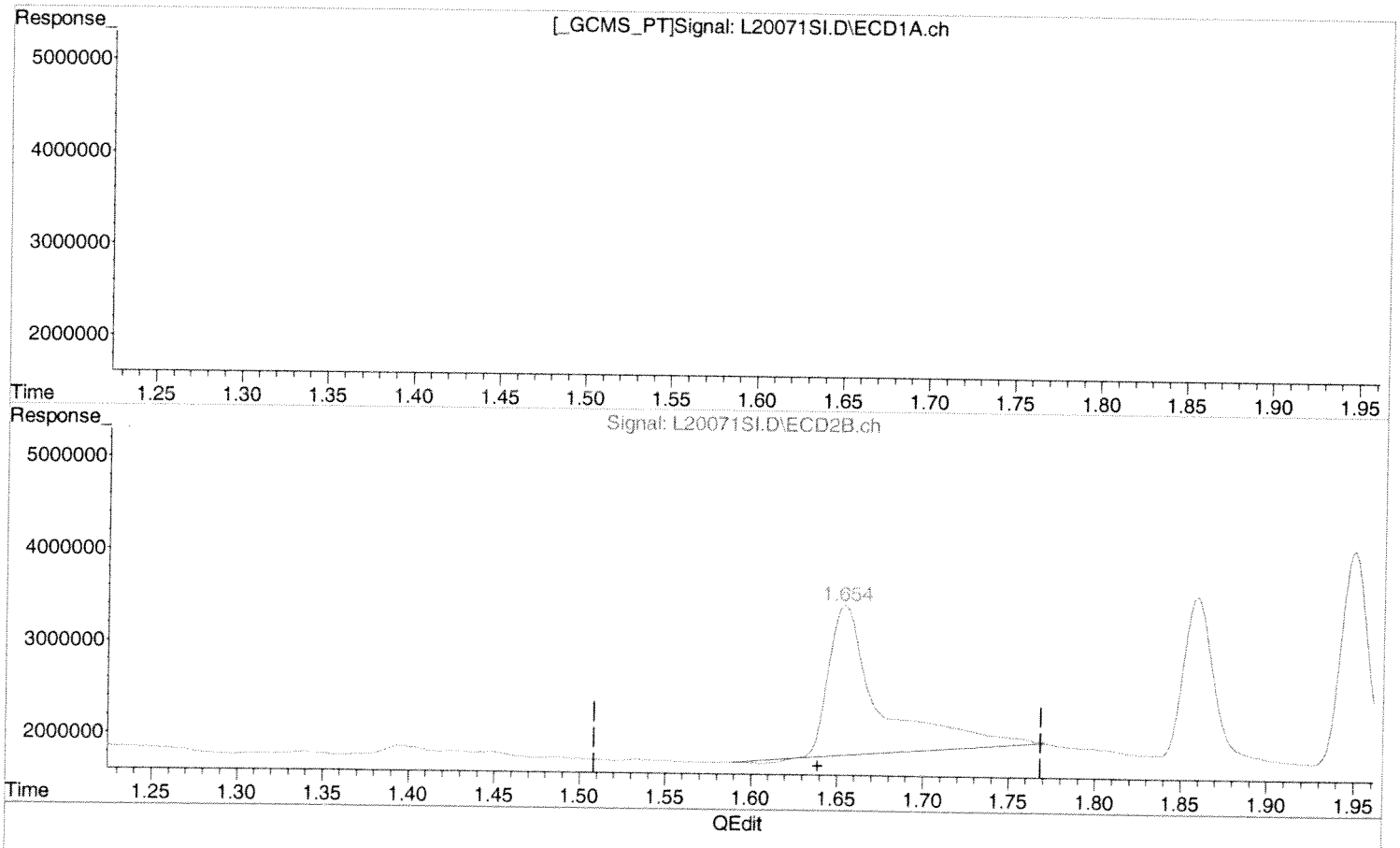


Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20071SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 5:48 am
Operator : AR
Sample : P5528 PEST 2.5
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:25:42 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

pm 10/17/10 baseline

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um



(1) TCX (S)
1.974min 2.515 ug/L
response 11336479

(1) TCX #2 (S)
1.654min 5.615 ug/L
response 33903265

101810

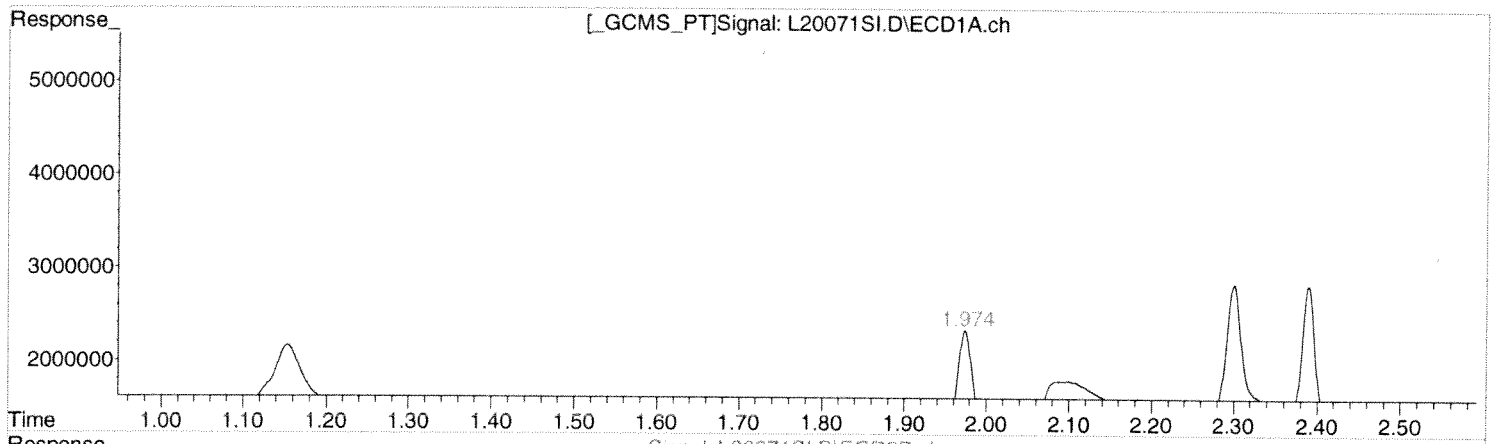
(+) = Expected Retention Time
PT101510.M Sun Oct 17 21:28:23 2010

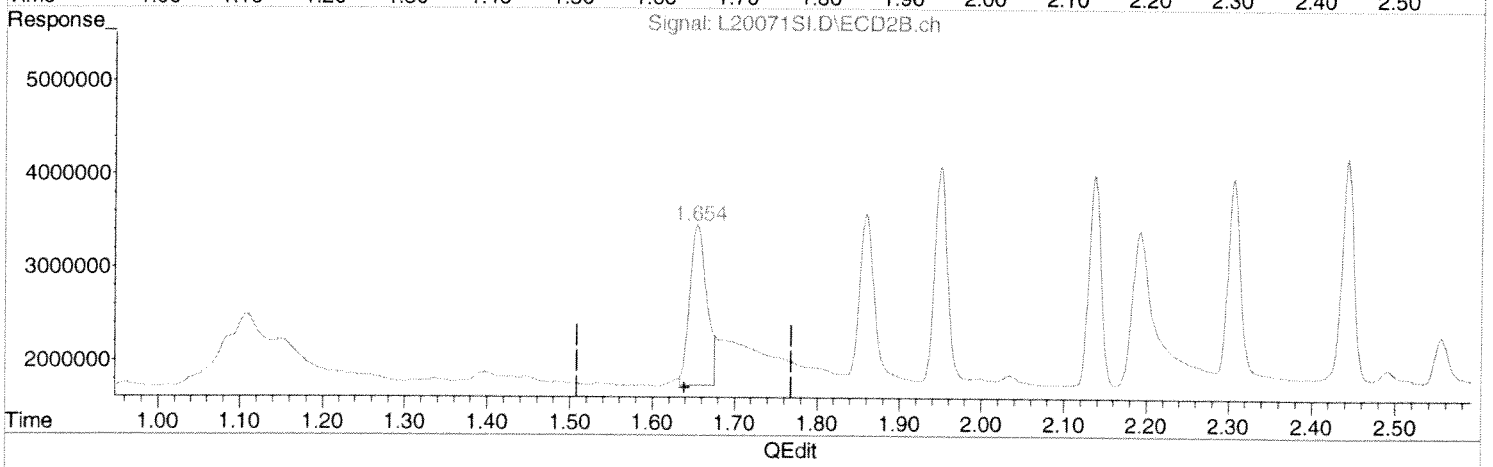
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20071SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 5:48 am
Operator : AR
Sample : P5528 PEST 2.5
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:28:57 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





(1) TCX (S)
1.974min 2.515 ug/L
response 11336479

(1) TCX #2 (S)
1.654min 4.130 ug/L m
response 24722174

J401810

(+) = Expected Retention Time
PT101510.M Sun Oct 17 21:58:03 2010

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20073SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 6:04 am
Operator : AR
Sample : P5529 PEST 5
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:30:53 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

AR 10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1)	S TCX	1.981	1.656	21026215	35309633	5.626	5.843
	Spiked Amount	100.000	Range	46 - 122	Recovery =	5.63%#	5.84%#
23)	S DCB	6.209	5.500	11602435	30300279	3.663	5.757m#
	Spiked Amount	100.000	Range	40 - 135	Recovery =	3.66%#	5.76%#
	Target Compounds						
2)	TM HEXACHLOR...	2.308	1.861	23925133	41786650	5.438	4.801
3)	TM A-BHC	2.397	1.952	27451135	51007626	6.081	5.904
4)	TM G-BHC	2.664	2.139	25638361	47568314	6.021	5.951
5)	TM B-BHC	2.726	2.193	12962239	22089251	5.179	6.477 #
6)	TM D-BHC	2.958	2.308	25234390	46630267	6.256	6.198
7)	TM HEPTACHLOR	3.010	2.445	24611662	49978848	6.257	5.959
8)	TM ALDRIN	3.271	2.649	23377324	45061792	5.666	5.728
9)	TM HEPTACHLO...	3.731	3.076	22913316	43851863	5.443	5.671
10)	TM G-CHLORDANE	3.889	3.170	23969101	43698200	5.507	6.201
11)	TM A-CHLORDANE	4.008	3.267	22213636	43346308	5.523	6.187
12)	TM ENDOSULFAN I	4.058	3.367	20597332	43053376	5.258	4.788
13)	TM 4,4-DDE	4.143	3.333	20625933	34869781	5.508	4.927
14)	TM DIELDRIN	4.286	3.548	21822391	42976104	5.525	6.034
15)	TM ENDRIN	4.544	3.725	19592134	39992883	5.460	6.028
16)	TM 4,4-DDD	4.634	3.796	17609132	32469548	5.363	7.842 #
17)	TM ENDOSULFA...	4.725	3.902	19417688	38398310	4.444	5.920 #
18)	TM 4,4-DDT	4.892	4.014	17670277	34403347	5.871	7.449 #
19)	TM ENDRIN AL...	4.990	4.233	13811146	27509330	5.158	6.303
20)	TM ENODOSULF...	5.189	4.583	15044953	33336226	4.058	5.929 #
21)	TM METHOXYCHLOR	5.374	4.419	8581977	16498142	3.889	5.874 #
22)	TM ENDRIN KE...	5.539	4.805	17772797	40450139	4.559	5.681

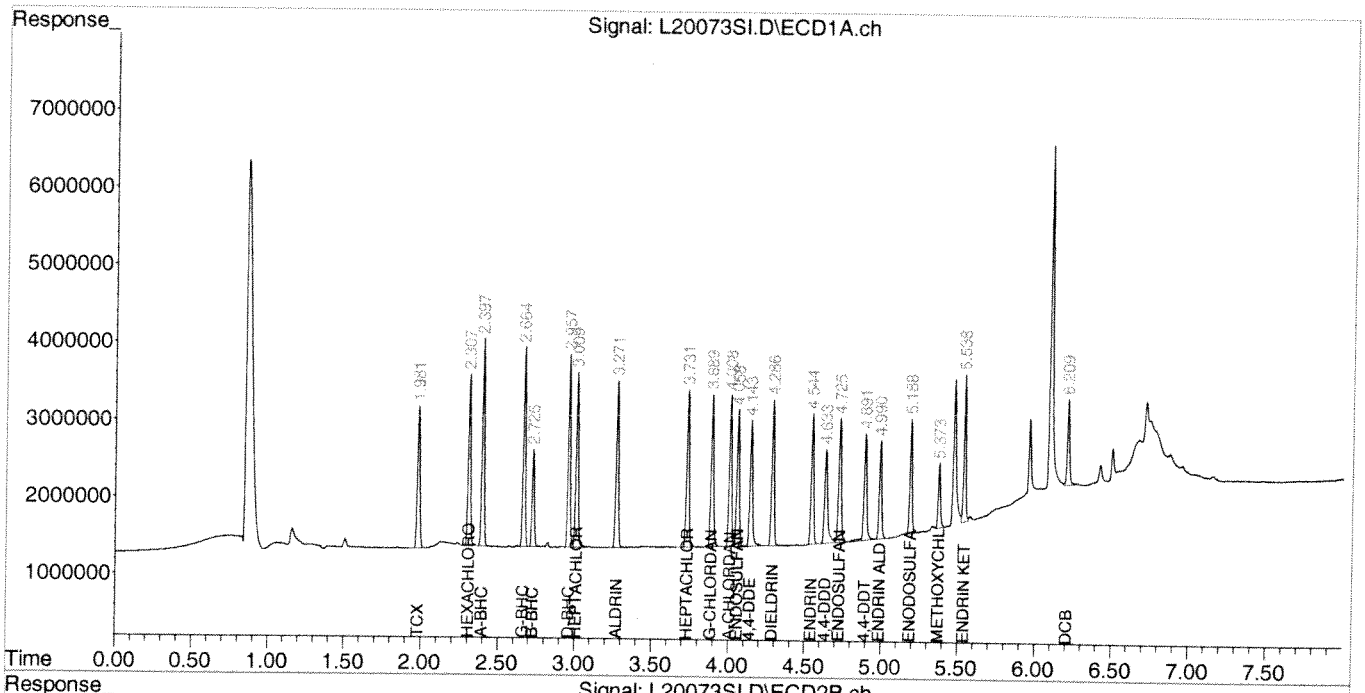
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

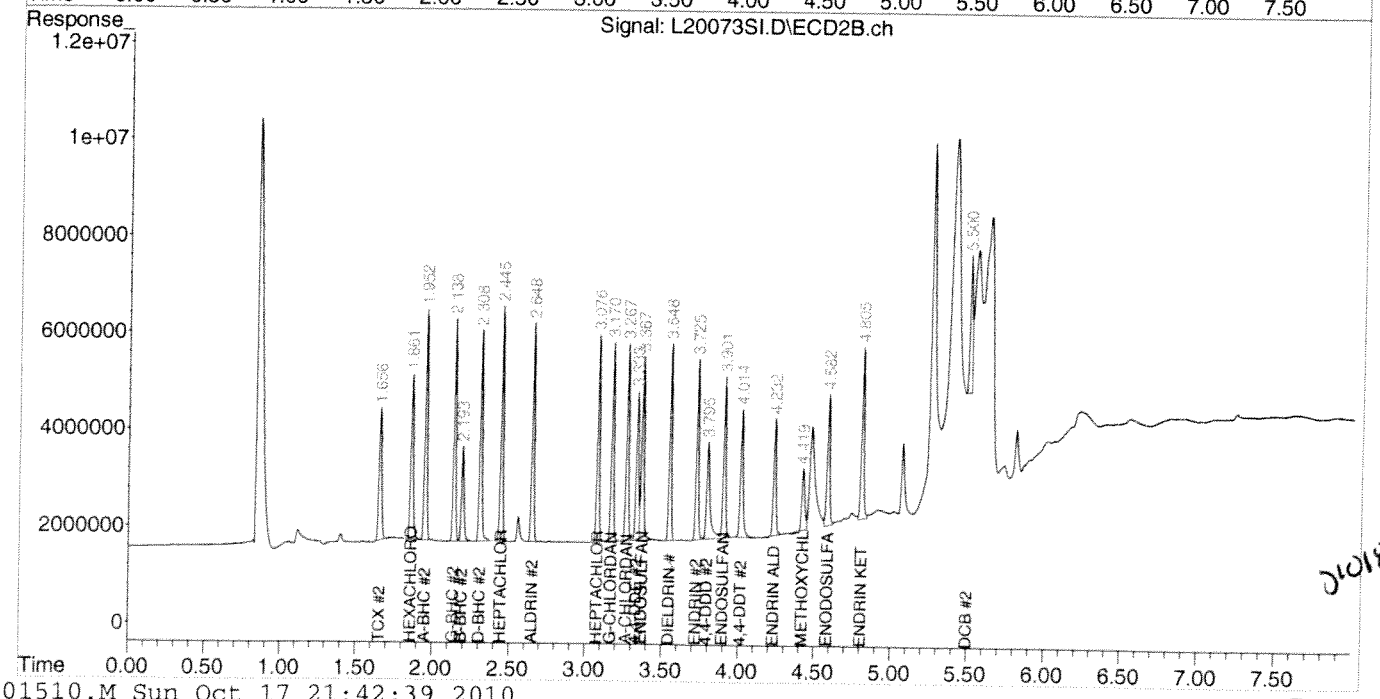
3101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20073SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 6:04 am
Operator : AR
Sample : P5529 PEST 5
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:30:53 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





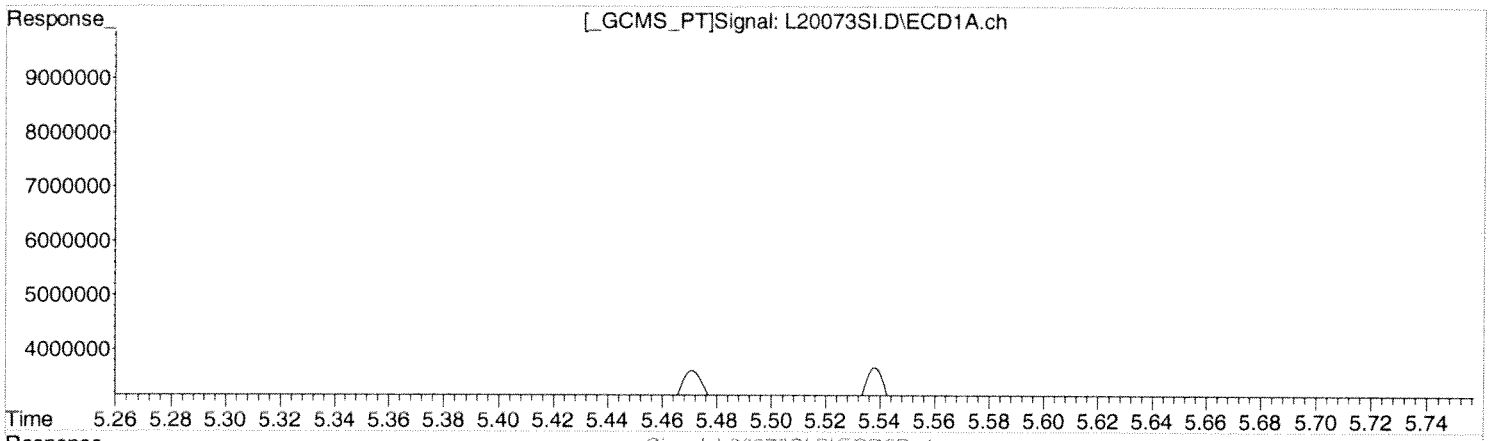
101810

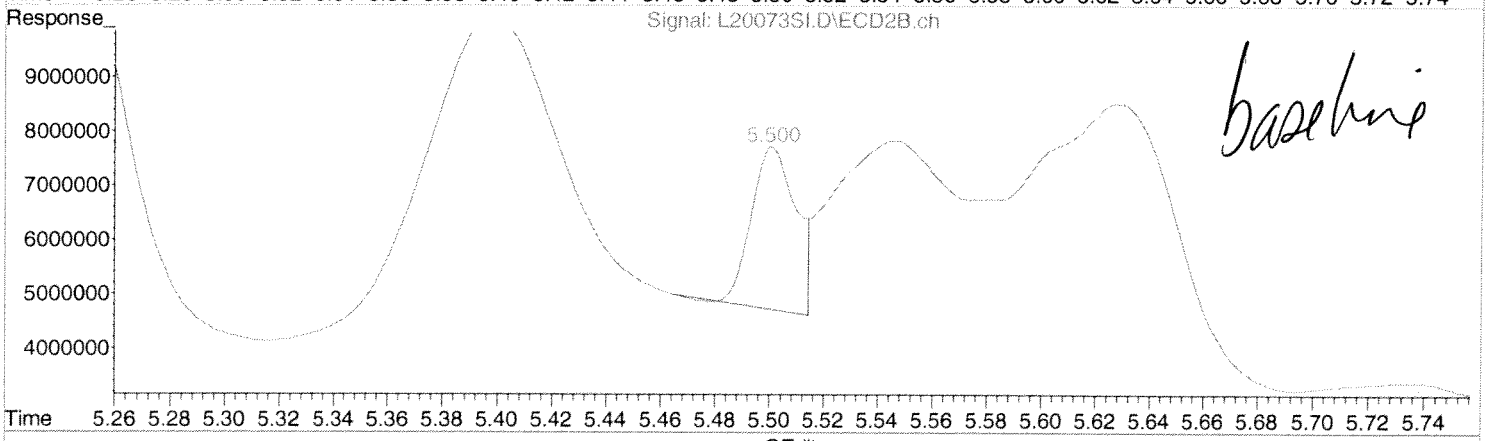
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20073SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 6:04 am
Operator : AR
Sample : P5529 PEST 5
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:25:44 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

MR 10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





baseline

(23) DCB (S)
6.209min 3.663 ug/L
response 11602435

(23) DCB #2 (S)
5.501min 6.454 ug/L
response 33677279

3101810

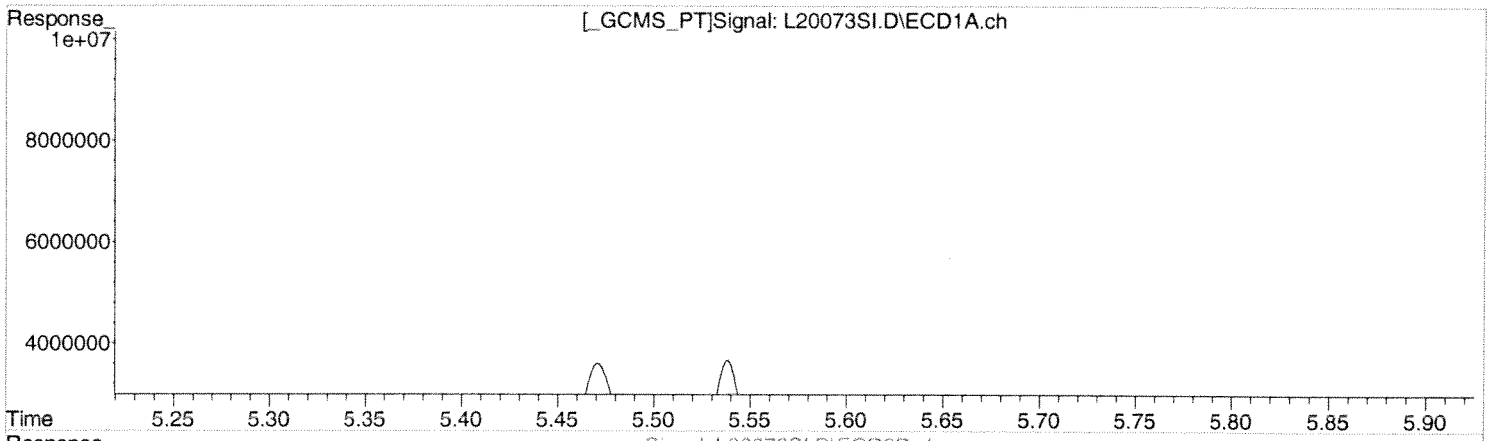
(+) = Expected Retention Time
PT101510.M Sun Oct 17 21:30:35 2010

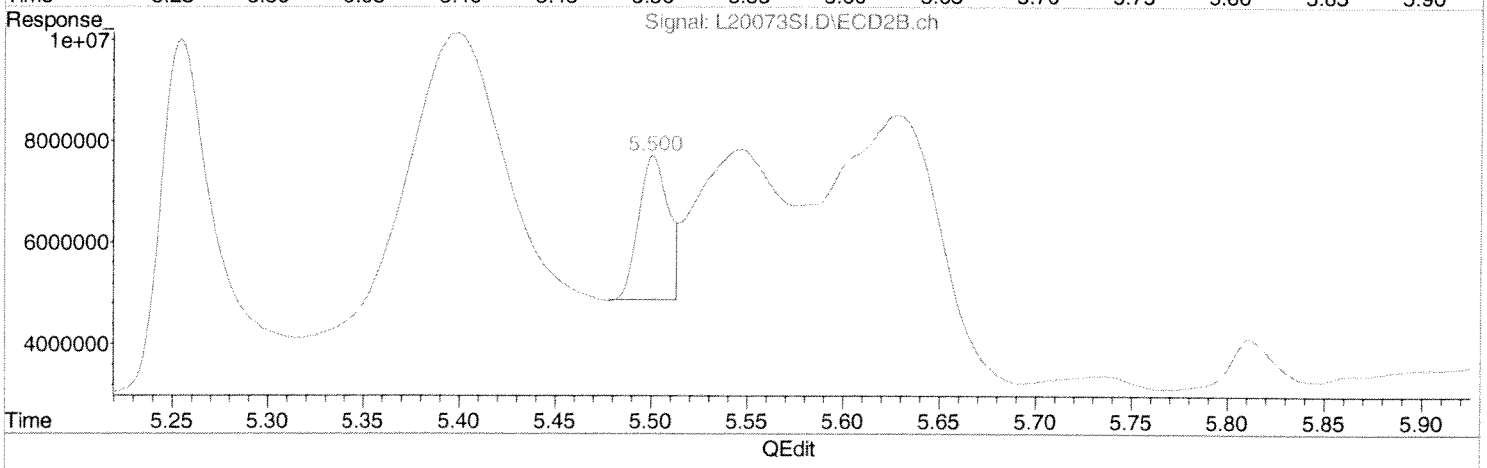
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20073SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 6:04 am
Operator : AR
Sample : P5529 PEST 5
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:25:44 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

PN 10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





(23) DCB (S)
6.209min 3.663 ug/L
response 11602435

(23) DCB #2 (S)
5.500min 5.757 ug/L m
response 30300279

JW 10/10

(+) = Expected Retention Time
PT101510.M Sun Oct 17 21:30:57 2010

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20074SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 6:14 am
Operator : AR
Sample : P5530 PEST 10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:25:46 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	1.975	1.655	39204866	72100298	11.463	11.793
Spiked Amount	100.000	Range	46 - 122	Recovery =	11.46%#	11.79%#
23) S DCB	6.206	5.499	22776478	46450946	9.622	9.089
Spiked Amount	100.000	Range	40 - 135	Recovery =	9.62%#	9.09%#
Target Compounds						
2) TM HEXACHLOR...	2.300	1.860	44317081	81737637	11.378	9.909
3) TM A-BHC	2.389	1.951	52429723	104.7E6	11.294	11.366
4) TM G-BHC	2.656	2.138	48547443	95947843	11.360	11.436
5) TM B-BHC	2.717	2.191	23608494	42027385	11.270	12.174
6) TM D-BHC	2.949	2.307	47695669	94595201	11.495	11.604
7) TM HEPTACHLOR	3.001	2.443	45428426	98075036	11.928	11.732
8) TM ALDRIN	3.263	2.647	43235168	90797480	11.264	11.454
9) TM HEPTACHLO...	3.723	3.074	42148483	87054058	11.242	11.631
10) TM G-CHLORDANE	3.881	3.168	42779826	86854532	10.975	11.868
11) TM A-CHLORDANE	3.999	3.265	40921013	85867098	11.249	11.938
12) TM ENDOSULFAN I	4.050	3.365	37881581	88117669	11.063	10.900
13) TM 4,4-DDE	4.135	3.331	38694612	68237438	11.077	9.424
14) TM DIELDRIN	4.278	3.547	40985261	86794398	11.115	11.774
15) TM ENDRIN	4.536	3.723	37152266	80774521	11.240	12.010
16) TM 4,4-DDD	4.626	3.794	33409362	62987966	11.276	13.162
17) TM ENDOSULFA...	4.717	3.899	37146505	78182802	10.388	12.029
18) TM 4,4-DDT	4.885	4.012	32504989	72441709	11.210	13.361
19) TM ENDRIN AL...	4.983	4.230	26009242	57688407	10.998	12.707
20) TM ENODOSULF...	5.183	4.580	28081708	64995163	9.270	11.576
21) TM METHOXYCHLOR	5.369	4.418	16627839	41233683	9.681	13.886 #
22) TM ENDRIN KE...	5.534	4.803	33125062	79183622	9.551	11.433

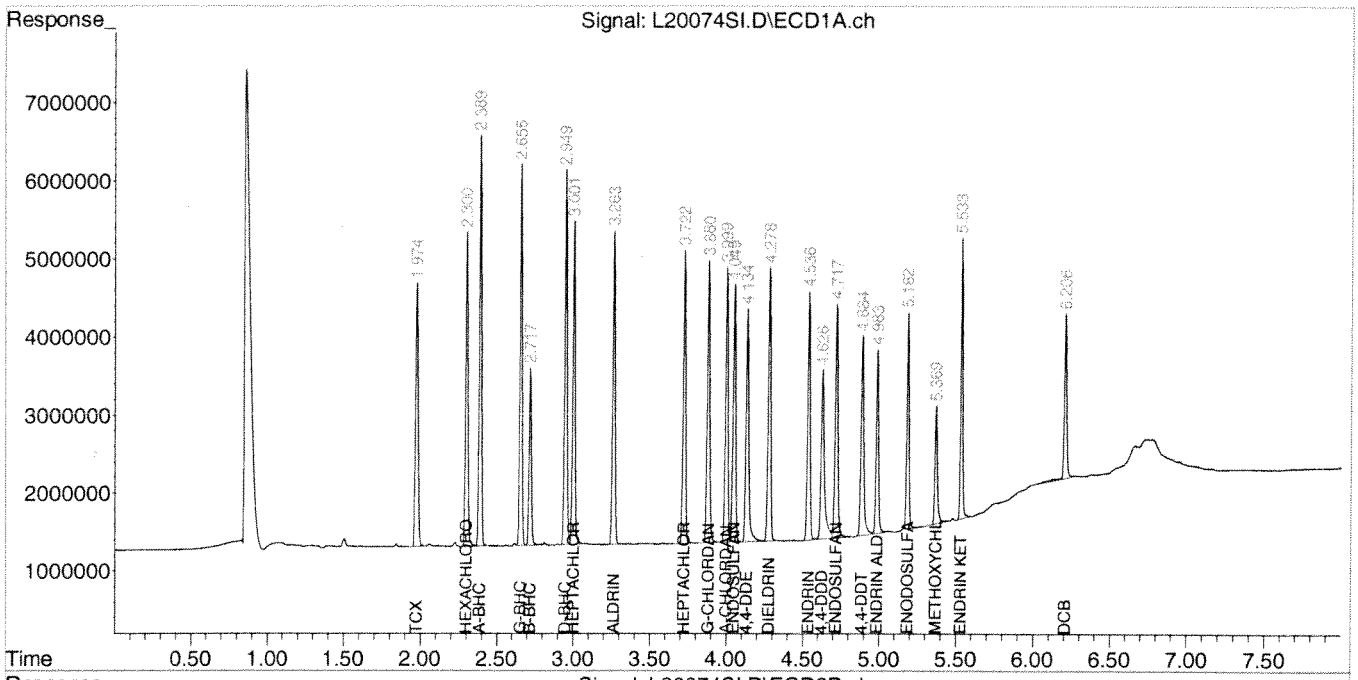
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

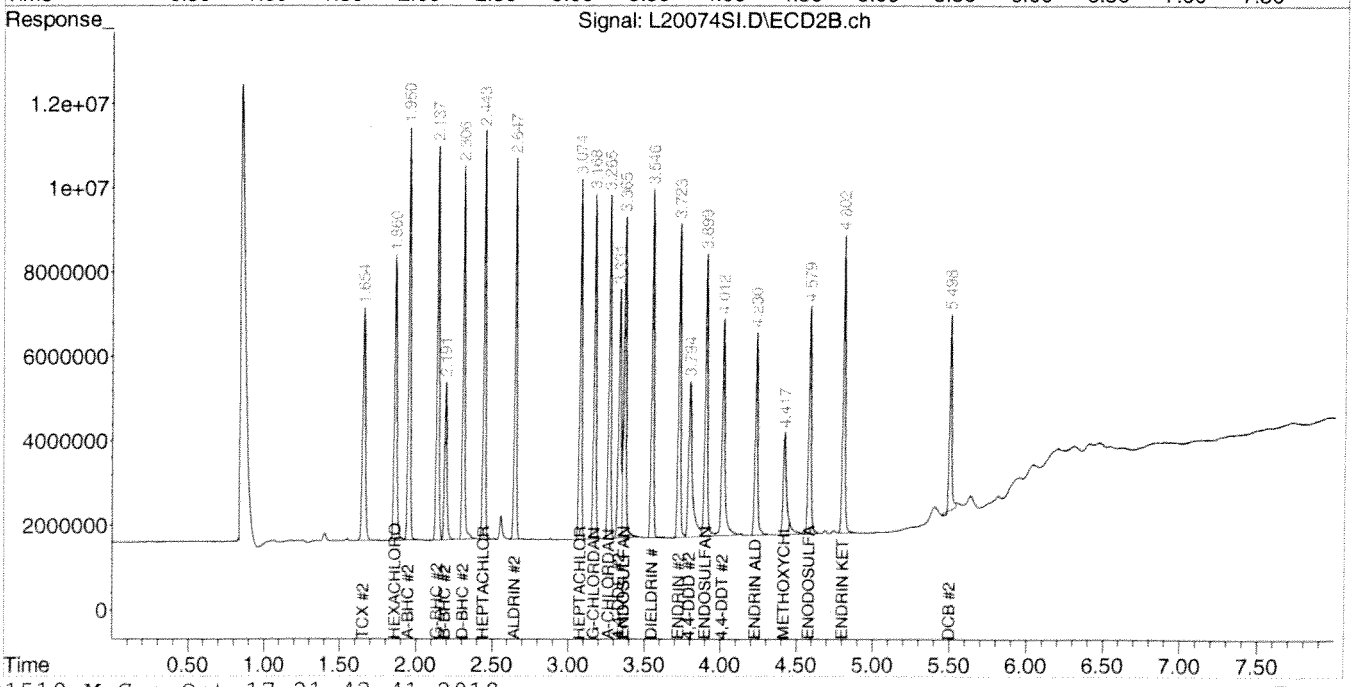
101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20074SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 6:14 am
Operator : AR
Sample : P5530 PEST 10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:25:46 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20075SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 6:24 am
Operator : AR
Sample : P5531 PEST 20
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:25:48 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

MC 10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1)	S TCX	1.974	1.654	73428853	141.2E6	22.450	22.977
	Spiked Amount	100.000	Range	46 - 122	Recovery	= 22.45%#	22.98%#
23)	S DCB	6.205	5.498	44361000	104.2E6	21.133	21.002
	Spiked Amount	100.000	Range	40 - 135	Recovery	= 21.13%#	21.00%#
	Target Compounds						
2)	TM HEXACHLOR...	2.299	1.859	82095193	158.7E6	22.384	19.745
3)	TM A-BHC	2.389	1.950	102.4E6	214.1E6	21.714	22.504
4)	TM G-BHC	2.655	2.137	93987333	194.4E6	21.950	22.600
5)	TM B-BHC	2.716	2.191	43562386	81371743	22.686	23.417
6)	TM D-BHC	2.948	2.306	92828743	194.5E6	22.023	22.866
7)	TM HEPTACHLOR	3.000	2.443	87179889	197.2E6	23.303	23.633
8)	TM ALDRIN	3.262	2.647	81710868	183.4E6	22.112	23.044
9)	TM HEPTACHLO...	3.721	3.074	78629888	173.6E6	22.240	23.576
10)	TM G-CHLORDANE	3.879	3.167	78991957	175.1E6	21.503	23.456
11)	TM A-CHLORDANE	3.998	3.265	76530211	171.9E6	22.149	23.579
12)	TM ENDOSULFAN I	4.049	3.365	70683332	175.5E6	22.079	22.746
13)	TM 4,4-DDE	4.133	3.331	73319076	141.2E6	21.747	19.258
14)	TM DIELDRIN	4.277	3.546	77545755	175.9E6	21.781	23.444
15)	TM ENDRIN	4.535	3.723	70446748	163.2E6	22.199	24.102
16)	TM 4,4-DDD	4.625	3.793	62432402	125.2E6	22.137	24.010
17)	TM ENDOSULFA...	4.716	3.899	69583252	153.8E6	21.263	23.638
18)	TM 4,4-DDT	4.883	4.011	61702467	145.3E6	21.719	24.687
19)	TM ENDRIN AL...	4.982	4.230	48148660	111.7E6	21.598	24.169
20)	TM ENODOSULF...	5.182	4.580	53186674	127.0E6	19.306	22.638
21)	TM METHOXYCHLOR	5.368	4.417	32216724	77482963	20.904	25.627
22)	TM ENDRIN KE...	5.533	4.802	63544949	157.7E6	19.444	23.092

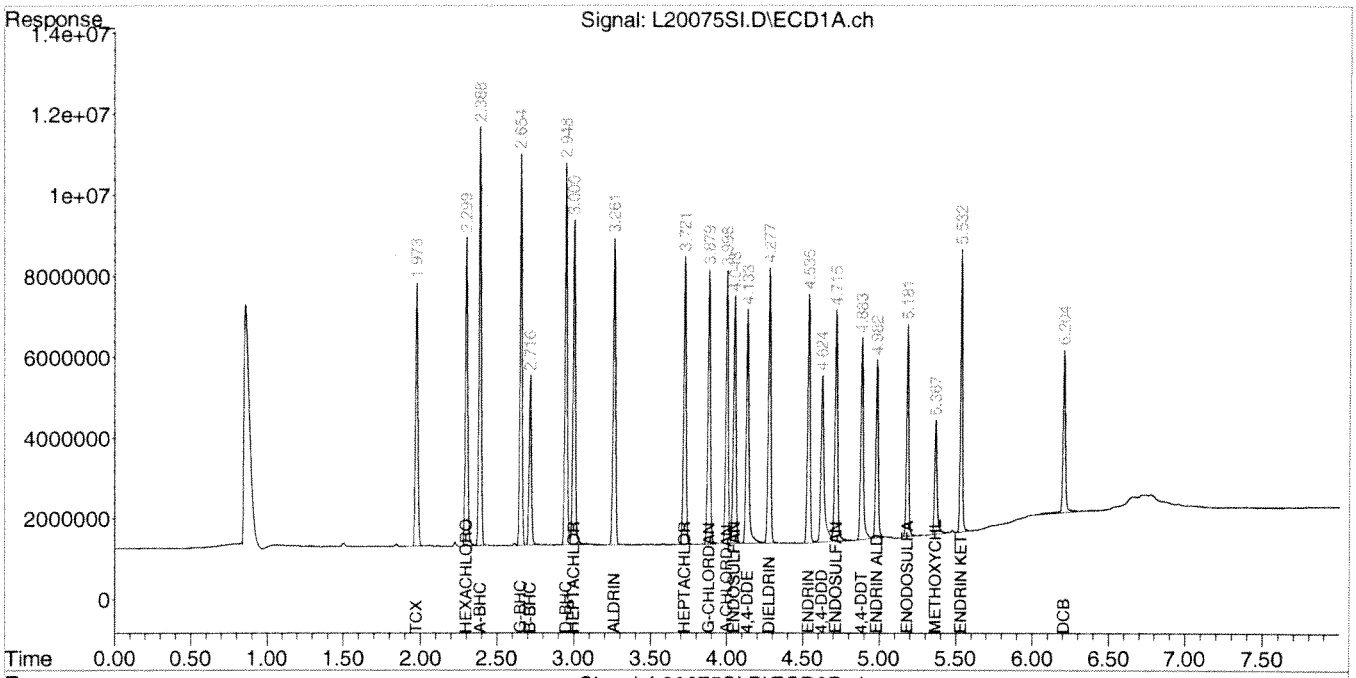
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

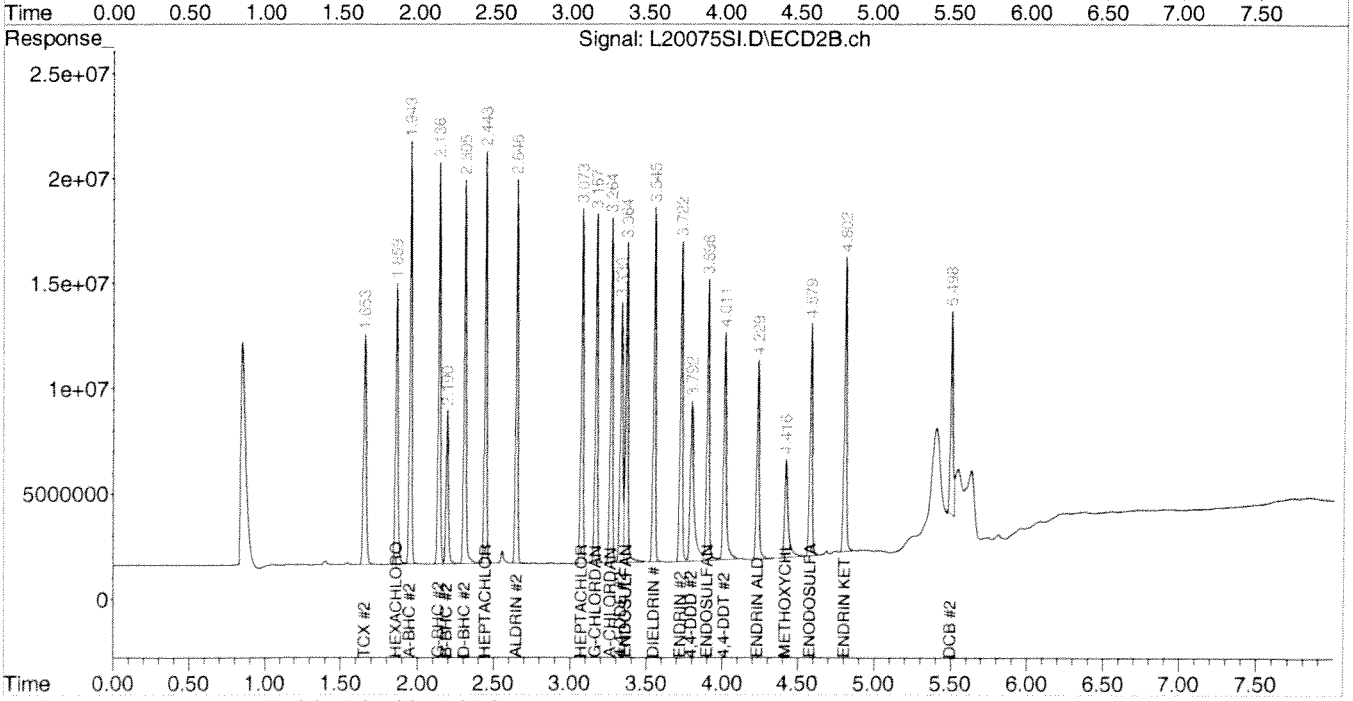
3101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20075SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 6:24 am
Operator : AR
Sample : P5531 PEST 20
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:25:48 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20076SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 6:35 am
Operator : AR
Sample : P5532 PEST 30
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:25:50 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	1.975	1.656	112.0E6	218.5E6	34.831	35.474
Spiked Amount 100.000 Range 46 - 122 Recovery = 34.83%# 35.47%#						
23) S DCB	6.204	5.497	64421703	162.4E6	31.832	33.015
Spiked Amount 100.000 Range 40 - 135 Recovery = 31.83%# 33.02%#						
Target Compounds						
2) TM HEXACHLOR...	2.300	1.861	124.7E6	260.9E6	34.802	32.816
3) TM A-BHC	2.389	1.951	160.8E6	341.9E6	33.907	35.510
4) TM G-BHC	2.655	2.138	146.3E6	307.7E6	34.147	35.443
5) TM B-BHC	2.716	2.192	66039950	125.0E6	35.546	35.882
6) TM D-BHC	2.948	2.307	145.9E6	309.5E6	34.407	35.827
7) TM HEPTACHLOR	3.000	2.444	132.1E6	308.2E6	35.539	36.950
8) TM ALDRIN	3.262	2.647	125.7E6	298.1E6	34.504	37.401
9) TM HEPTACHLO...	3.721	3.074	120.1E6	274.2E6	34.728	37.455
10) TM G-CHLORDANE	3.889	3.168	275.9E6	264.2E6	78.743	35.149 #
11) TM A-CHLORDANE	3.998	3.264	118.1E6	204.5E6	34.885	27.979
12) TM ENDOSULFAN I	4.048	3.365	107.9E6	260.4E6	34.574	34.274
13) TM 4,4-DDE	4.133	3.331	114.1E6	245.8E6	34.311	33.355
14) TM DIELDRIN	4.277	3.546	117.4E6	278.8E6	33.403	36.921
15) TM ENDRIN	4.535	3.723	109.5E6	260.6E6	35.050	38.393
16) TM 4,4-DDD	4.623	3.792	97917131	218.6E6	35.416	40.286
17) TM ENDOSULFA...	4.715	3.898	104.8E6	258.9E6	33.069	39.785
18) TM 4,4-DDT	4.883	4.010	96864342	251.5E6	34.375	41.181
19) TM ENDRIN AL...	4.982	4.229	73382624	177.7E6	33.680	38.174
20) TM ENODOSULF...	5.181	4.579	82744429	203.7E6	31.121	36.322
21) TM METHOXYCHLOR	5.367	4.415	50513086	125.1E6	34.076	41.035
22) TM ENDRIN KE...	5.532	4.802	106.0E6	257.8E6	33.265	37.949

interference Col 1

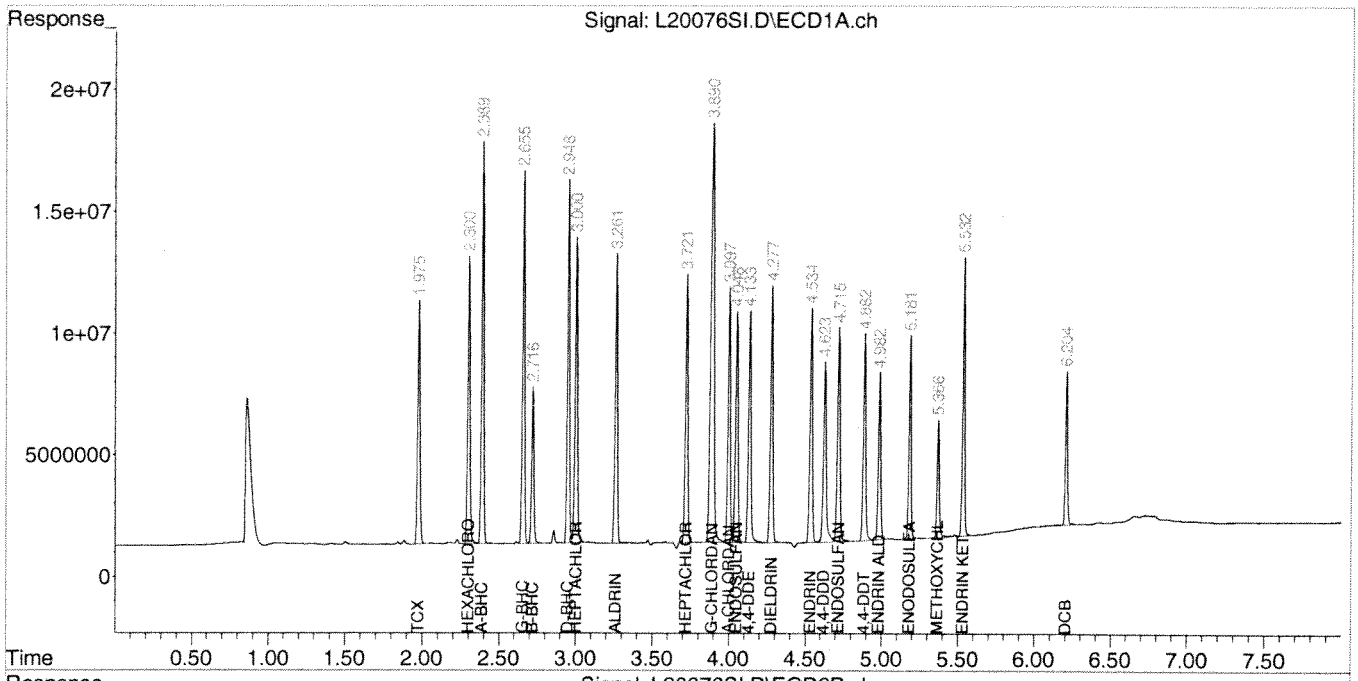
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

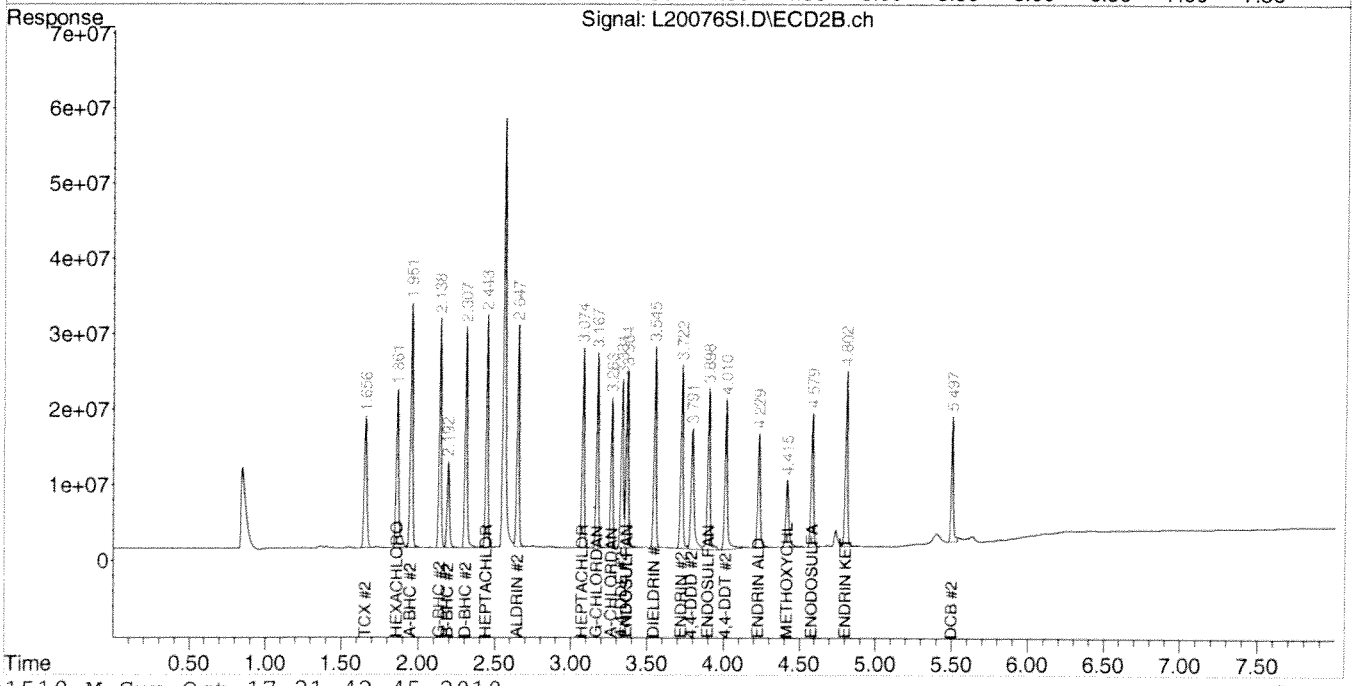
101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20076SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 6:35 am
Operator : AR
Sample : P5532 PEST 30
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:25:50 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20077SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 6:45 am
Operator : AR
Sample : P5533 PEST 50
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:25:52 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	1.973	1.654	179.2E6	357.0E6	56.401	57.874
Spiked Amount	100.000 Range	46 - 122	Recovery	=	56.40%	57.87%
23) S DCB	6.205	5.497	103.4E6	265.9E6	52.643	54.353
Spiked Amount	100.000 Range	40 - 135	Recovery	=	52.64%	54.35%
Target Compounds						
2) TM HEXACHLOR...	2.299	1.859	198.3E6	398.3E6	56.227	50.381
3) TM A-BHC	2.388	1.950	264.2E6	560.7E6	55.504	57.768
4) TM G-BHC	2.654	2.137	238.9E6	505.5E6	55.727	57.867
5) TM B-BHC	2.715	2.191	104.0E6	202.6E6	57.245	58.064
6) TM D-BHC	2.948	2.306	236.6E6	507.8E6	55.550	58.182
7) TM HEPTACHLOR	3.000	2.443	213.0E6	501.6E6	57.592	60.165
8) TM ALDRIN	3.261	2.647	201.3E6	470.3E6	55.836	58.967
9) TM HEPTACHLO...	3.721	3.073	190.8E6	439.4E6	56.049	60.241
10) TM G-CHLORDANE	3.878	3.167	192.4E6	451.5E6	54.462	59.749
11) TM A-CHLORDANE	3.998	3.265	186.8E6	440.8E6	55.913	59.944
12) TM ENDOSULFAN I	4.048	3.364	171.9E6	443.7E6	56.064	59.125
13) TM 4,4-DDE	4.133	3.331	183.7E6	374.9E6	55.752	50.755
14) TM DIELDRIN	4.276	3.546	193.7E6	454.4E6	55.670	59.933
15) TM ENDRIN	4.534	3.722	174.6E6	416.9E6	56.489	61.313
16) TM 4,4-DDD	4.624	3.792	152.6E6	327.6E6	55.861	59.292
17) TM ENDOSULFA...	4.715	3.898	171.2E6	390.2E6	55.340	59.952
18) TM 4,4-DDT	4.883	4.011	157.9E6	378.3E6	56.347	60.893
19) TM ENDRIN AL...	4.982	4.229	120.6E6	283.7E6	56.276	60.672
20) TM ENODOSULF...	5.181	4.579	132.6E6	336.6E6	51.051	60.018
21) TM METHOXYCHLOR	5.367	4.415	79691312	199.4E6	55.082	65.105
22) TM ENDRIN KE...	5.532	4.802	164.2E6	419.3E6	52.186	61.929

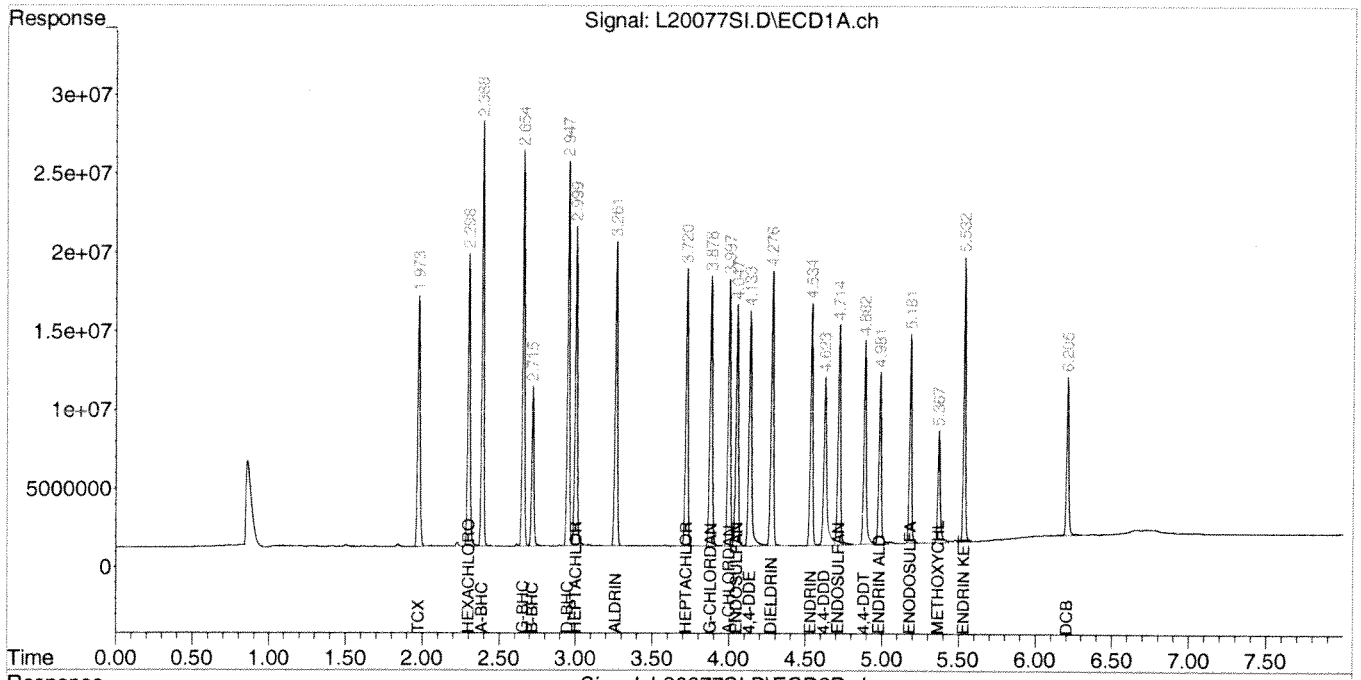
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

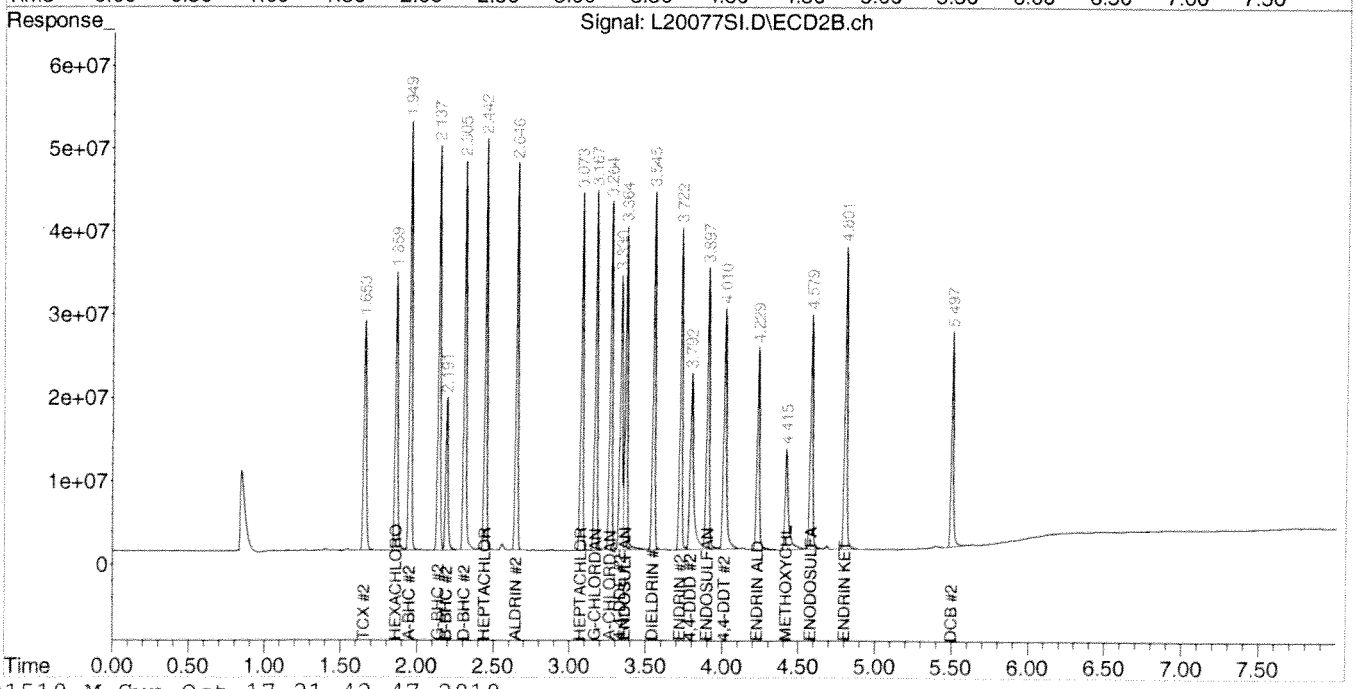
101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20077SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 6:45 am
Operator : AR
Sample : P5533 PEST 50
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:25:52 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20078SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 6:55 am
Operator : AR
Sample : P5534 PEST 100
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:25:54 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

MC 10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1)	S TCX	1.973	1.654	360.6E6	724.0E6	114.635	117.238
	Spiked Amount	100.000	Range	46 - 122	Recovery	= 114.63%	117.24%
23)	S DCB	6.204	5.497	192.2E6	553.0E6	99.979	113.585
	Spiked Amount	100.000	Range	40 - 135	Recovery	= 99.98%	113.59%
	Target Compounds						
2)	TM HEXACHLOR...	2.299	1.859	396.9E6	809.9E6	114.102	102.999
3)	TM A-BHC	2.388	1.950	548.3E6	1155.8E6	114.797	118.328
4)	TM G-BHC	2.654	2.137	492.9E6	1038.7E6	114.910	118.327
5)	TM B-BHC	2.716	2.191	205.6E6	413.4E6	115.378	118.294
6)	TM D-BHC	2.948	2.306	491.9E6	1049.5E6	115.104	119.233
7)	TM HEPTACHLOR	3.000	2.443	431.9E6	1007.4E6	117.222	120.884
8)	TM ALDRIN	3.261	2.647	410.4E6	949.2E6	114.773	118.912
9)	TM HEPTACHLO...	3.721	3.074	383.4E6	881.0E6	114.116	121.158
10)	TM G-CHLORDANE	3.879	3.167	395.0E6	927.9E6	113.371	122.304
11)	TM A-CHLORDANE	3.998	3.265	378.6E6	901.6E6	114.601	122.263
12)	TM ENDOSULFAN I	4.048	3.364	345.0E6	880.5E6	114.220	118.369
13)	TM 4,4-DDE	4.133	3.330	376.3E6	795.8E6	115.108	107.472
14)	TM DIELDRIN	4.276	3.546	394.8E6	926.4E6	114.328	121.761
15)	TM ENDRIN	4.534	3.722	357.4E6	850.8E6	116.651	124.958
16)	TM 4,4-DDD	4.624	3.792	310.3E6	692.3E6	114.909	122.882
17)	TM ENDOSULFA...	4.715	3.898	342.0E6	791.3E6	112.597	121.549
18)	TM 4,4-DDT	4.883	4.010	324.6E6	804.5E6	116.358	127.129
19)	TM ENDRIN AL...	4.982	4.229	239.2E6	570.7E6	113.083	121.570
20)	TM ENODOSULF...	5.181	4.579	269.8E6	687.3E6	105.890	122.583
21)	TM METHOXYCHLOR	5.367	4.415	157.2E6	399.3E6	110.910	129.862
22)	TM ENDRIN KE...	5.532	4.802	331.9E6	839.8E6	106.710	124.379

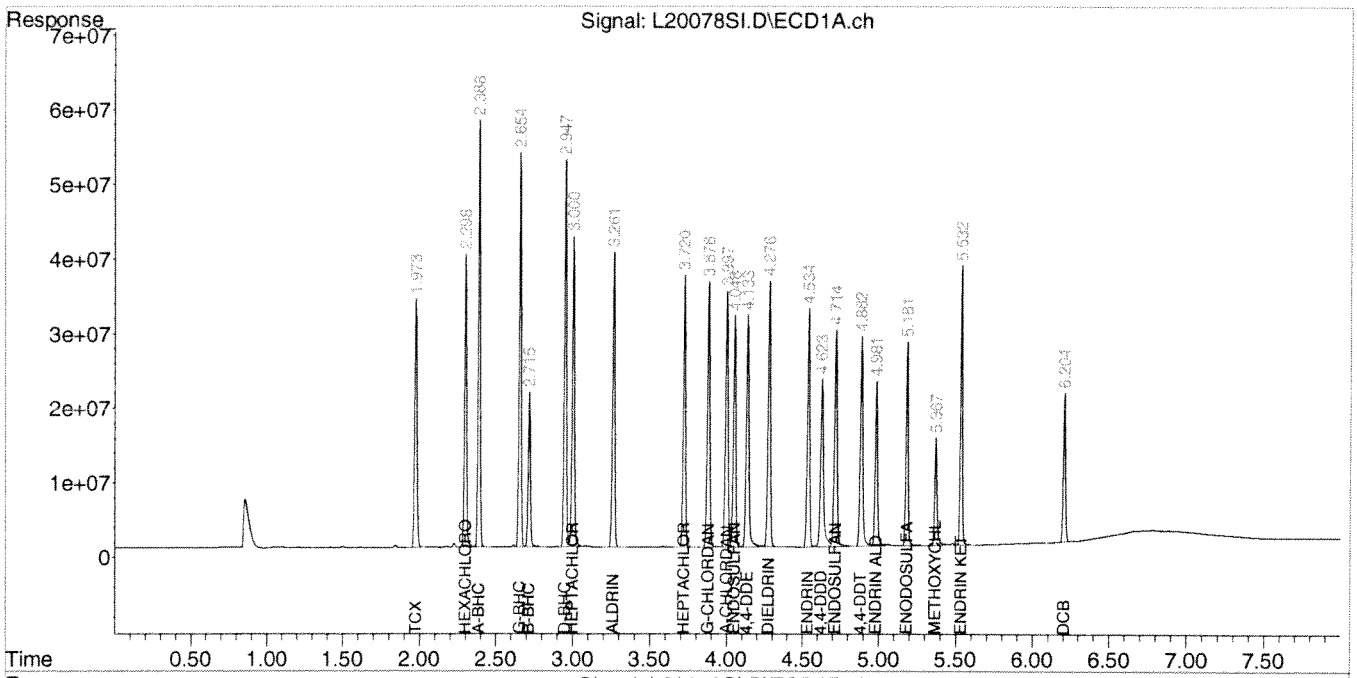
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

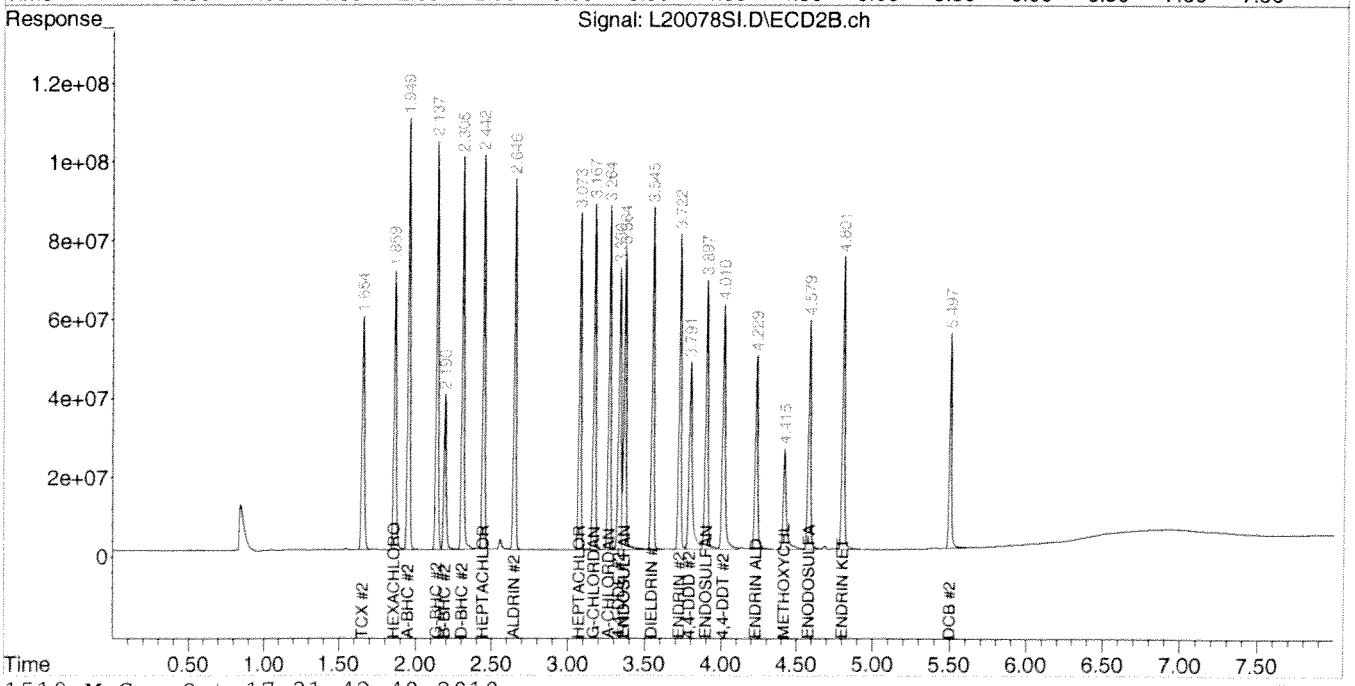
3101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20078SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 6:55 am
Operator : AR
Sample : P5534 PEST 100
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:25:54 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20079SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 7:06 am
Operator : AR
Sample : P5535 PEST 150
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:25:56 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1)	S TCX	1.974	1.654	524.4E6	1029.5E6	167.242	166.639
	Spiked Amount	100.000	Range 46 - 122	Recovery	=	167.24%#	166.64%#
23)	S DCB	6.204	5.497	301.4E6	841.0E6	158.229	173.019
	Spiked Amount	100.000	Range 40 - 135	Recovery	=	158.23%#	173.02%#
	Target Compounds						
2)	TM HEXACHLOR...	2.300	1.860	602.6E6	1201.2E6	174.017	153.011
3)	TM A-BHC	2.389	1.950	798.5E6	1627.7E6	167.026	166.348
4)	TM G-BHC	2.655	2.137	719.3E6	1462.2E6	167.682	166.332
5)	TM B-BHC	2.716	2.191	293.6E6	579.4E6	165.742	165.741
6)	TM D-BHC	2.948	2.306	720.2E6	1482.3E6	168.371	168.015
7)	TM HEPTACHLOR	3.001	2.443	635.0E6	1427.2E6	172.541	171.270
8)	TM ALDRIN	3.262	2.647	593.5E6	1335.1E6	166.392	167.221
9)	TM HEPTACHLO...	3.721	3.074	548.8E6	1225.0E6	163.989	168.610
10)	TM G-CHLORDANE	3.879	3.168	568.8E6	1285.0E6	163.900	169.197
11)	TM A-CHLORDANE	3.998	3.265	540.1E6	1243.4E6	164.049	168.493
12)	TM ENDOSULFAN I	4.049	3.365	491.6E6	1160.3E6	163.430	156.323
13)	TM 4,4-DDE	4.133	3.330	539.2E6	1165.8E6	165.322	157.347
14)	TM DIELDRIN	4.277	3.546	561.0E6	1273.1E6	162.832	167.174
15)	TM ENDRIN	4.535	3.723	503.8E6	1160.5E6	164.839	170.393
16)	TM 4,4-DDD	4.623	3.790	445.2E6	992.3E6	165.366	175.188
17)	TM ENDOSULFA...	4.715	3.898	474.9E6	1076.8E6	157.159	165.385
18)	TM 4,4-DDT	4.883	4.010	472.9E6	1138.8E6	169.728	179.091
19)	TM ENDRIN AL...	4.982	4.229	333.7E6	792.9E6	158.333	168.715
20)	TM ENODOSULF...	5.181	4.579	388.1E6	958.8E6	153.198	171.015
21)	TM METHOXYCHLOR	5.367	4.413	224.6E6	550.5E6	159.394	178.823
22)	TM ENDRIN KE...	5.533	4.802	486.8E6	1178.9E6	157.075	174.731

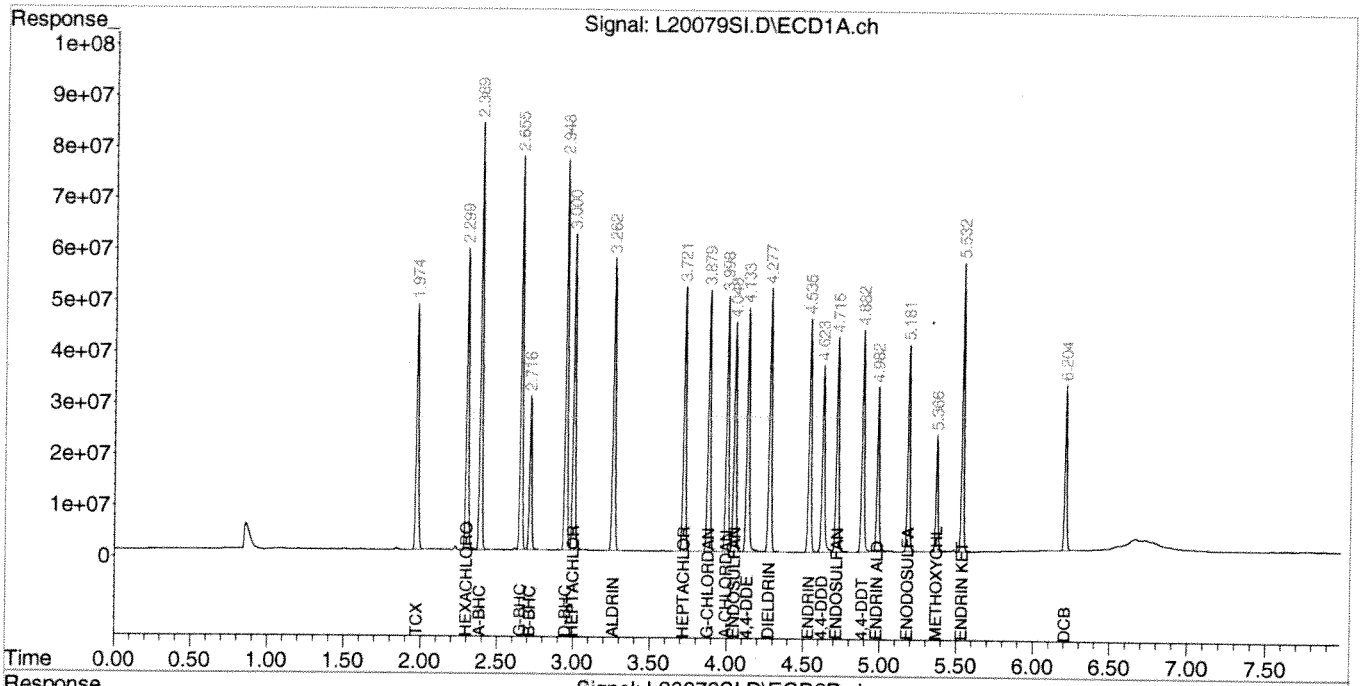
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

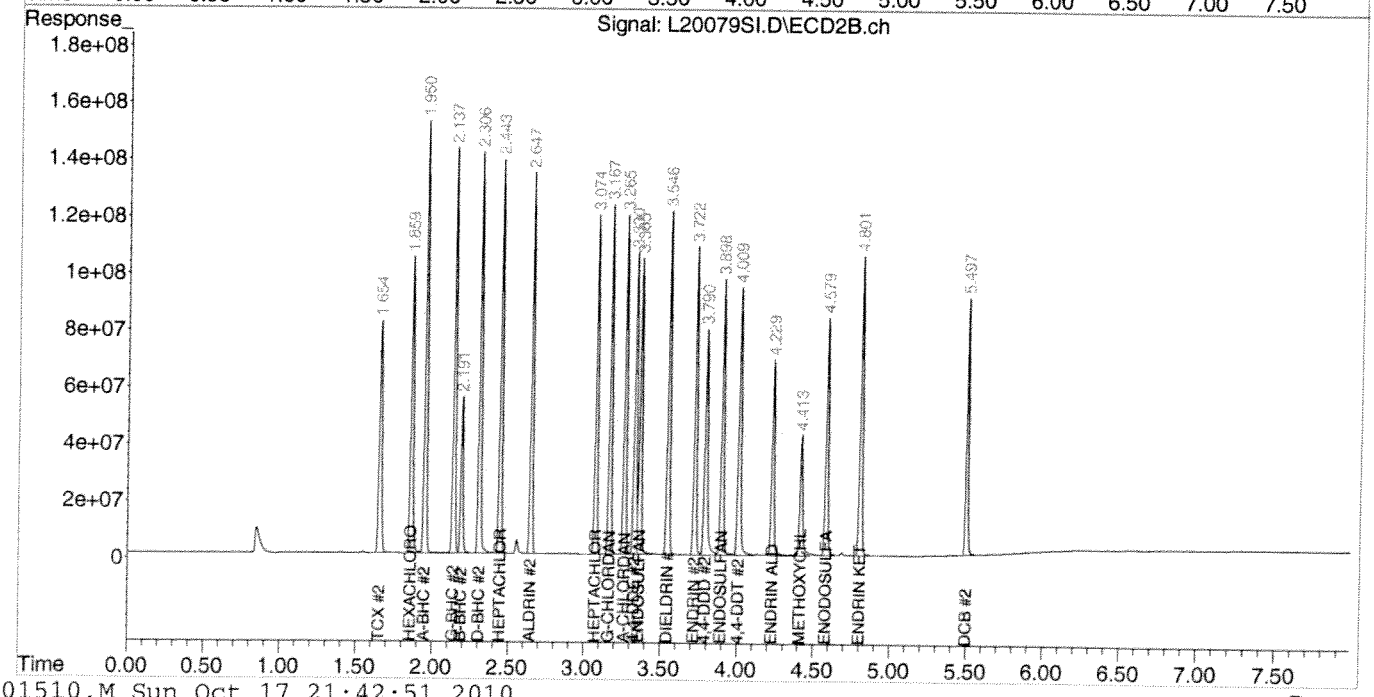
0101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20079SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 7:06 am
Operator : AR
Sample : P5535 PEST 150
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:25:56 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sat Oct 16 01:41:05 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





PM 10/17/10

PEST ICV

Data File Name L20080CC.D
Date Acquired 10/16/2010 7:16
Sample Name P5537 PEST ICV 25

Name	Ret Time	Expected Ret Time	RT Difference	Window	RT Pass	Amount	Recovery	80%-120% Recovery Pass
TCX	1.9744	1.9750	0.0006	0.0101	OK	46.64	93%	OK
HEXACHLOROBENZENE	2.2994	2.3001	0.0007	0.0132	OK	100.32	100%	OK
A-BHC	2.3886	2.3892	0.0006	0.0144	OK	24.98	100%	OK
G-BHC	2.6544	2.6551	0.0007	0.0160	OK	24.91	100%	OK
B-BHC	2.7158	2.7162	0.0005	0.0170	OK	26.05	104%	OK
D-BHC	2.9478	2.9482	0.0004	0.0178	OK	24.77	99%	OK
HEPTACHLOR	2.9999	3.0004	0.0005	0.0175	OK	25.54	102%	OK
ALDRIN	3.2613	3.2617	0.0004	0.0175	OK	24.54	98%	OK
HEPTACHLOR EPOXIDE	3.7204	3.7211	0.0006	0.0182	OK	24.77	99%	OK
G-CHLORDANE	3.8784	3.8891	0.0108	0.0177	OK	19.09	76%	* Interfence in ICal
A-CHLORDANE	3.9974	3.9978	0.0004	0.0178	OK	24.46	98%	OK
ENDOSULFAN I	4.0480	4.0484	0.0003	0.0179	OK	25.71	103%	OK
4,4-DDE	4.1326	4.1331	0.0005	0.0182	OK	24.78	99%	OK
DIELDRIN	4.2761	4.2770	0.0009	0.0188	OK	24.18	97%	OK
ENDRIN	4.5341	4.5346	0.0005	0.0184	OK	22.94	92%	OK
4,4-DDD	4.6236	4.6235	0.0002	0.0168	OK	24.57	98%	OK
ENDOSULFAN II	4.7147	4.7154	0.0008	0.0177	OK	25.11	100%	OK
4,4-DDT	4.8824	4.8828	0.0004	0.0145	OK	25.56	102%	OK
ENDRIN ALDEHYDE	4.9815	4.9821	0.0006	0.0150	OK	26.67	107%	OK
ENODOSULFAN SULFATE	5.1810	5.1812	0.0002	0.0142	OK	26.53	106%	OK
METHOXYCHLOR	5.3669	5.3665	0.0004	0.0123	OK	27.09	108%	OK
ENDRIN KETONE	5.5321	5.5322	0.0001	0.0120	OK	27.75	111%	OK
DCB	6.2041	6.2043	0.0002	0.0112	OK	41.38	83%	OK
TCX #2	1.6553	1.6559	0.0007	0.0054	OK	46.47	93%	OK
HEXACHLOROBENZENE #2	1.8605	1.8612	0.0008	0.0038	OK	99.93	100%	OK
A-BHC #2	1.9509	1.9513	0.0004	0.0038	OK	24.81	99%	OK
G-BHC #2	2.1378	2.1382	0.0004	0.0029	OK	24.56	98%	OK
B-BHC #2	2.1917	2.1923	0.0006	0.0025	OK	23.03	92%	OK
D-BHC #2	2.3065	2.3070	0.0005	0.0025	OK	24.25	97%	OK
HEPTACHLOR #2	2.4433	2.4436	0.0003	0.0022	OK	24.94	100%	OK
ALDRIN #2	2.6469	2.6474	0.0004	0.0017	OK	24.16	97%	OK
HEPTACHLOR EPOXIDE #2	3.0735	3.0740	0.0005	0.0016	OK	24.31	97%	OK
G-CHLORDANE #2	3.1675	3.1679	0.0004	0.0018	OK	24.31	97%	OK
A-CHLORDANE #2	3.2648	3.2635	0.0013	0.0019	OK	24.92	100%	OK
ENDOSULFAN I #2	3.3646	3.3647	0.0000	0.0011	OK	25.02	100%	OK
4,4-DDE #2	3.3309	3.3310	0.0001	0.0029	OK	23.70	95%	OK
DIELDRIN #2	3.5456	3.5459	0.0003	0.0015	OK	23.50	94%	OK
ENDRIN #2	3.7223	3.7225	0.0002	0.0012	OK	22.21	89%	OK
4,4-DDD #2	3.7927	3.7917	0.0010	0.0117	OK	23.22	93%	OK
ENDOSULFAN II #2	3.8984	3.8985	0.0001	0.0021	OK	23.55	94%	OK
4,4-DDT #2	4.0109	4.0104	0.0005	0.0064	OK	23.88	96%	OK
ENDRIN ALDEHYDE #2	4.2294	4.2295	0.0001	0.0023	OK	26.08	104%	OK
ENODOSULFAN SULFATE #2	4.5792	4.5794	0.0002	0.0025	OK	25.93	104%	OK
METHOXYCHLOR #2	4.4162	4.4150	0.0011	0.0136	OK	26.11	104%	OK
ENDRIN KETONE #2	4.8022	4.8020	0.0002	0.0021	OK	27.66	111%	OK
DCB #2	5.4969	5.4972	0.0003	0.0038	OK	39.84	80%	OK

5101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20080CC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 7:16 am
Operator : AR
Sample : P5537 PEST ICV 25
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:41:42 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	1.974	1.655	167.6E6	329.0E6	46.637	46.467
Spiked Amount 100.000	Range	46 - 122	Recovery	=	46.64%	46.47%
23) S DCB	6.204	5.497	84466535	217.9E6	41.385	39.844m
Spiked Amount 100.000	Range	40 - 135	Recovery	=	41.38%	39.84%#
Target Compounds						
2) TM HEXACHLOR...	2.299	1.860	402.0E6	804.1E6	100.318	99.925
3) TM A-BHC	2.389	1.951	133.8E6	276.4E6	24.975	24.809
4) TM G-BHC	2.654	2.138	120.9E6	247.1E6	24.910	24.556
5) TM B-BHC	2.716	2.192	55742480	99206429	26.050	23.029
6) TM D-BHC	2.948	2.307	119.3E6	245.8E6	24.767	24.249
7) TM HEPTACHLOR	3.000	2.443	111.4E6	249.5E6	25.541	24.939
8) TM ALDRIN	3.261	2.647	101.6E6	228.0E6	24.535	24.155
9) TM HEPTACHLO...	3.720	3.074	97324856	213.9E6	24.774	24.311
10) TM G-CHLORDANE	3.878	3.168	100.4E6	217.6E6	19.091	24.314 #
11) TM A-CHLORDANE	3.997	3.265	94715173	210.5E6	24.456	24.918
12) TM ENDOSULFAN I	4.048	3.365	90711573	217.7E6	25.711	25.016
13) TM 4,4-DDE	4.133	3.331	93059031	180.7E6	24.785	23.696
14) TM DIELDRIN	4.276	3.546	95351168	212.5E6	24.183	23.502
15) TM ENDRIN	4.534	3.722	81796773	185.0E6	22.941	22.207
16) TM 4,4-DDD	4.624	3.793	77494193	156.3E6	24.565	23.216
17) TM ENDOSULFA...	4.715	3.898	87265989	186.9E6	25.112	23.546
18) TM 4,4-DDT	4.882	4.011	82148237	185.0E6	25.561	23.877
19) TM ENDRIN AL...	4.981	4.229	64555020	148.4E6	26.671	26.075
20) TM ENODOSULF...	5.181	4.579	71797355	173.5E6	26.530	25.930
21) TM METHOXYCHLOR	5.367	4.416	43361764	103.4E6	27.090	26.105
22) TM ENDRIN KE...	5.532	4.802	92929283	229.0E6	27.752	27.659

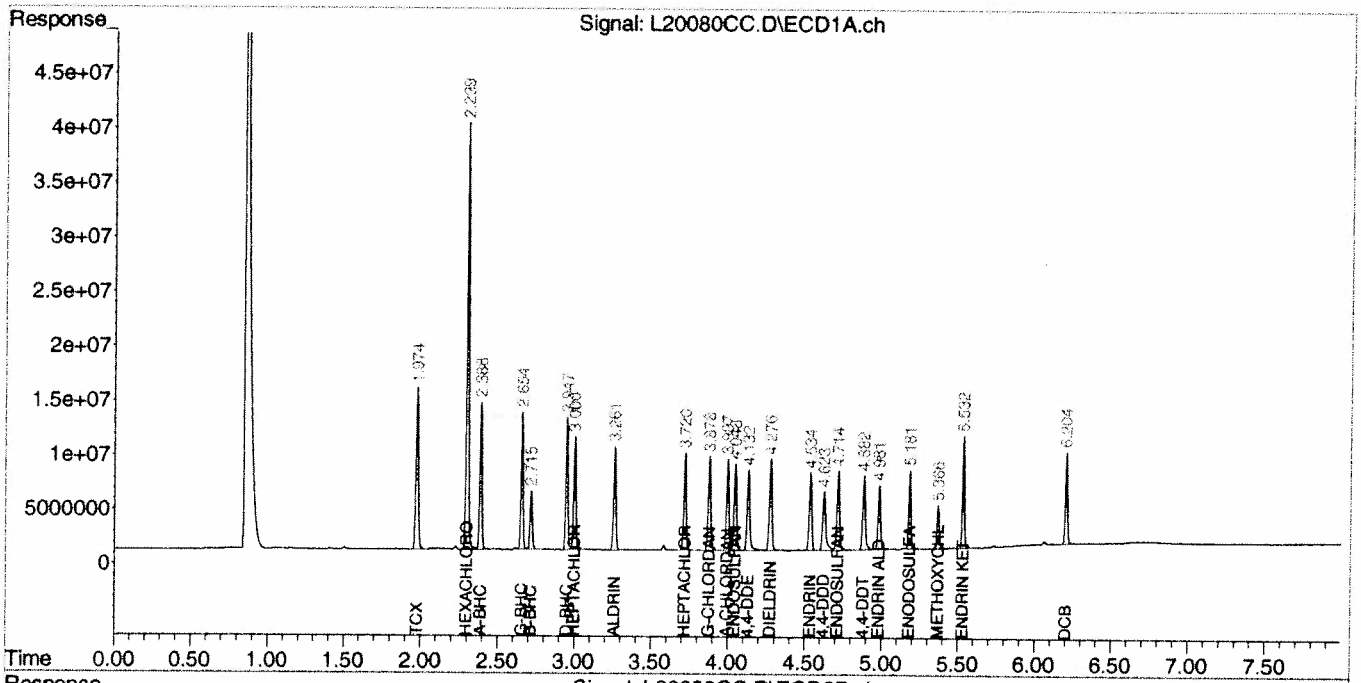
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

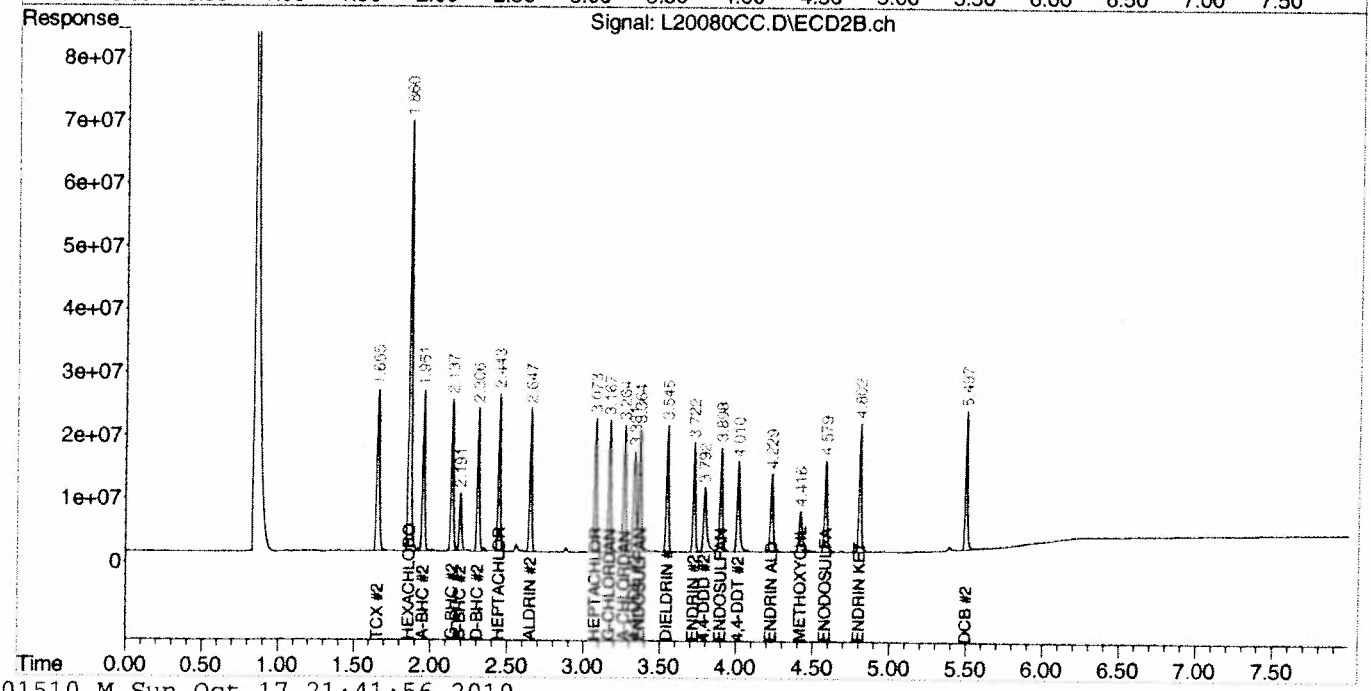
101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20080CC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 7:16 am
Operator : AR
Sample : P5537 PEST ICV 25
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:41:42 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um



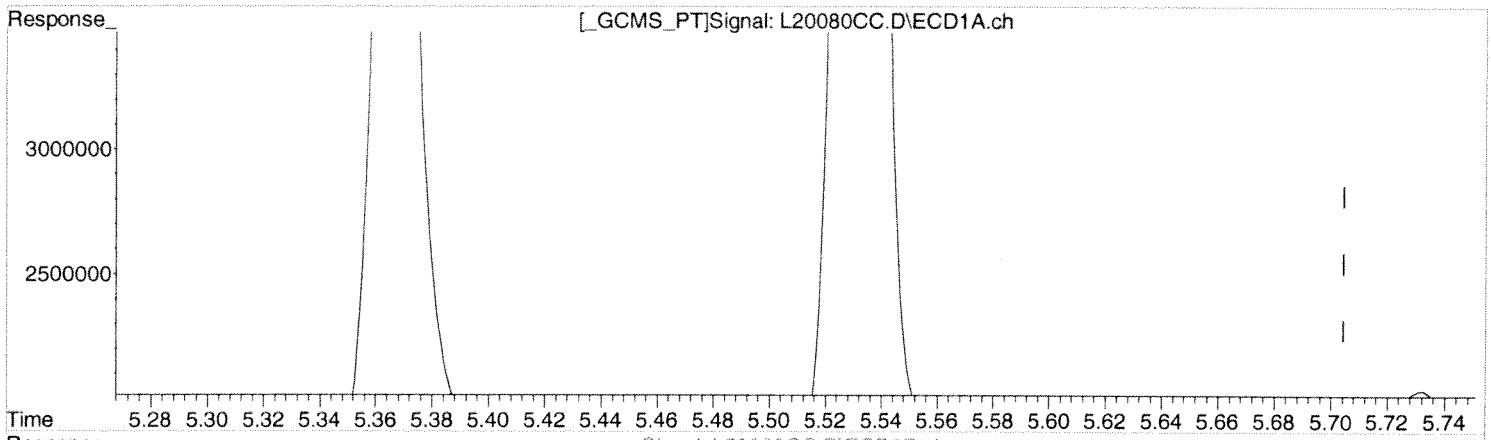


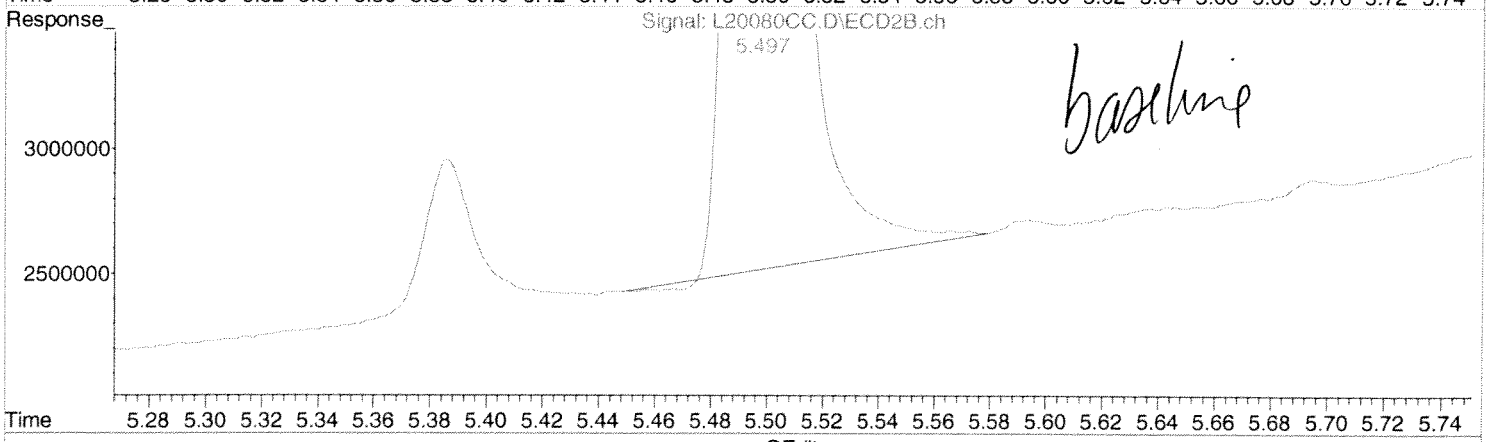
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20080CC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 7:16 am
Operator : AR
Sample : P5537 PEST ICV 25
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:35:08 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

MV 10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





QEdit

(23) DCB (S)
6.204min 41.385 ug/L
response 84466535

(23) DCB #2 (S)
5.497min 39.526 ug/L
response 216088754

3/101810

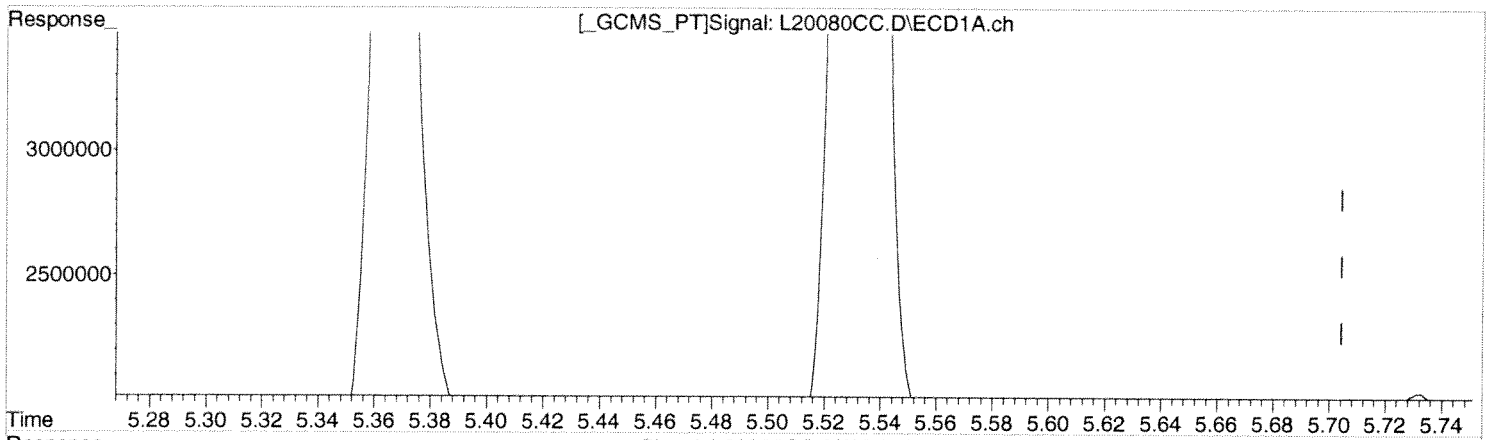
(+) = Expected Retention Time
PT101510.M Sun Oct 17 21:41:37 2010

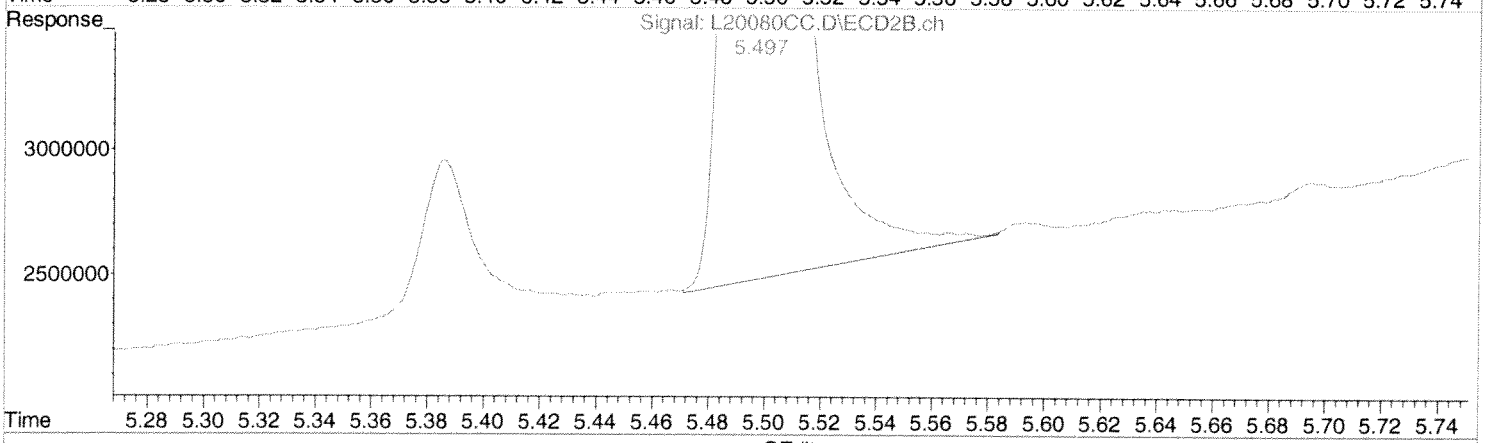
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20080CC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 7:16 am
Operator : AR
Sample : P5537 PEST ICV 25
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 21:35:08 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

10/17/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





QEdit

(23) DCB (S)
6.204min 41.385 ug/L
response 84466535

(23) DCB #2 (S)
5.497min 39.844 ug/L m
response 217873019

5/01/10

(+) = Expected Retention Time
PT101510.M Sun Oct 17 21:41:49 2010

Acq. Method File C:\msdchem\1\METHODS\CT101510.M
Level 1 File Name L20081SI.D
Level 2 File Name L20082SI.D
Level 3 File Name L20083SI.D
Level 4 File Name L20084SI.D
Level 5 File Name L20085SI.D
Level 6 File Name L20086SI.D
Level 7 File Name L20087SI.D

MC 10/17/10

Response= X + YA + Z(A*A)

Name	Calibration Fit	X	Y	Z	R^2	R
Chlordane-1	0	2.18E+06	1.43E+08	0.00E-01	1.000	1.000
Chlordane-2	0	2.02E+06	1.82E+08	0.00E-01	1.000	1.000
Chlordane-3	0	2.26E+06	1.48E+08	0.00E-01	1.000	1.000
Chlordane-4	0	-2.87E+06	1.75E+08	0.00E-01	0.983	0.991
G-Chlordane	0	2.44E+06	4.22E+08	0.00E-01	1.000	1.000
A-Chlordane	0	1.99E+06	3.66E+08	0.00E-01	1.000	1.000
Toxaphene-1	0	-4.30E+05	5.75E+07	0.00E-01	0.999	1.000
Toxaphene-2	0	-9.21E+04	9.87E+07	0.00E-01	0.999	1.000
Toxaphene-3	0	-4.18E+05	8.98E+07	0.00E-01	0.999	1.000
Toxaphene-4	0	-6.68E+05	1.59E+08	0.00E-01	0.999	1.000
Toxaphene-5	0	-8.44E+05	1.21E+08	0.00E-01	0.999	1.000
Toxaphene-6	0	-6.28E+05	5.38E+07	0.00E-01	0.999	0.999
Toxaphene-7	0	-1.85E+06	5.05E+07	0.00E-01	0.998	0.999
Chlordane-1 #2	0	-3.96E+05	2.78E+08	0.00E-01	1.000	1.000
Chlordane-2 #2	0	-8.07E+05	4.09E+08	0.00E-01	0.999	1.000
Chlordane-3 #2	0	1.65E+06	2.73E+08	0.00E-01	1.000	1.000
Chlordane-4 #2	0	-3.91E+05	2.60E+08	0.00E-01	1.000	1.000
G-Chlordane #2	0	-2.91E+06	1.15E+09	0.00E-01	0.999	1.000
A-Chlordane #2	0	-2.18E+06	1.72E+09	0.00E-01	0.999	1.000
Toxaphene-1 #2	0	-3.11E+05	1.21E+08	0.00E-01	0.999	1.000
Toxaphene-2 #2	0	4.25E+05	1.15E+08	0.00E-01	1.000	1.000
Toxaphene-3 #2	0	-7.18E+05	3.44E+08	0.00E-01	0.999	1.000
Toxaphene-4 #2	0	-1.00E+06	3.02E+08	0.00E-01	1.000	1.000
Toxaphene-5 #2	0	-1.53E+06	2.80E+08	0.00E-01	0.999	0.999
Toxaphene-6 #2	0	-3.40E+06	2.97E+08	0.00E-01	0.999	1.000
Toxaphene-7 #2	0	-1.15E+06	2.45E+08	0.00E-01	0.999	1.000

ıear Regression=	0
Avg RF=	1
Quadratic=	3

0101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20081SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 7:26 am
Operator : AR
Sample : P5336 C/T 0.01/0.02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:48:24 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Oct 16 03:27:29 2010
Response via : Initial Calibration
Integrator: ChemStation

10/17/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.884	2.389	3374121	4927759	N.D.	N.D.
2) L1M Chlordane-2	2.999	2.443	4307635	7015656	N.D.	N.D.
3) L1M Chlordane-3	3.374	2.738	3551042	5367162	N.D.	N.D.
4) L1M Chlordane-4	3.787	3.029	2294105	4428128	N.D.	N.D.
5) L1M G-Chlordane	3.953	3.168	9684548	19150163	N.D.	N.D.
6) L1M A-Chlordane	3.997	3.259	8352863	30088879	N.D.	N.D.
Sum Chlordane-1			0	0	N.D.	N.D.
Average Chlordane-1					0.000	0.000
7) L2M Toxaphene-1	4.399	3.499	1609317	3297333	N.D.	0.035 #
8) L2M Toxaphene-2	4.701	3.552	3109395	3641611	N.D.	N.D.
9) L2M Toxaphene-3	4.755	3.755	2643241	11447815	N.D.	N.D.
10) L2M Toxaphene-4	4.784	3.891	5177907	9854269	N.D.	N.D.
11) L2M Toxaphene-5	4.988	4.164	3694398	8588457	N.D.	N.D.
12) L2M Toxaphene-6	5.381	4.421	1574142	8584602	N.D.	0.001 #
13) L2M Toxaphene-7	5.414	4.499	1026001	7358087	N.D.	N.D.
Sum Toxaphene-1			0	11881935	N.D.	N.D.
Average Toxaphene-1					0.000	-0.033

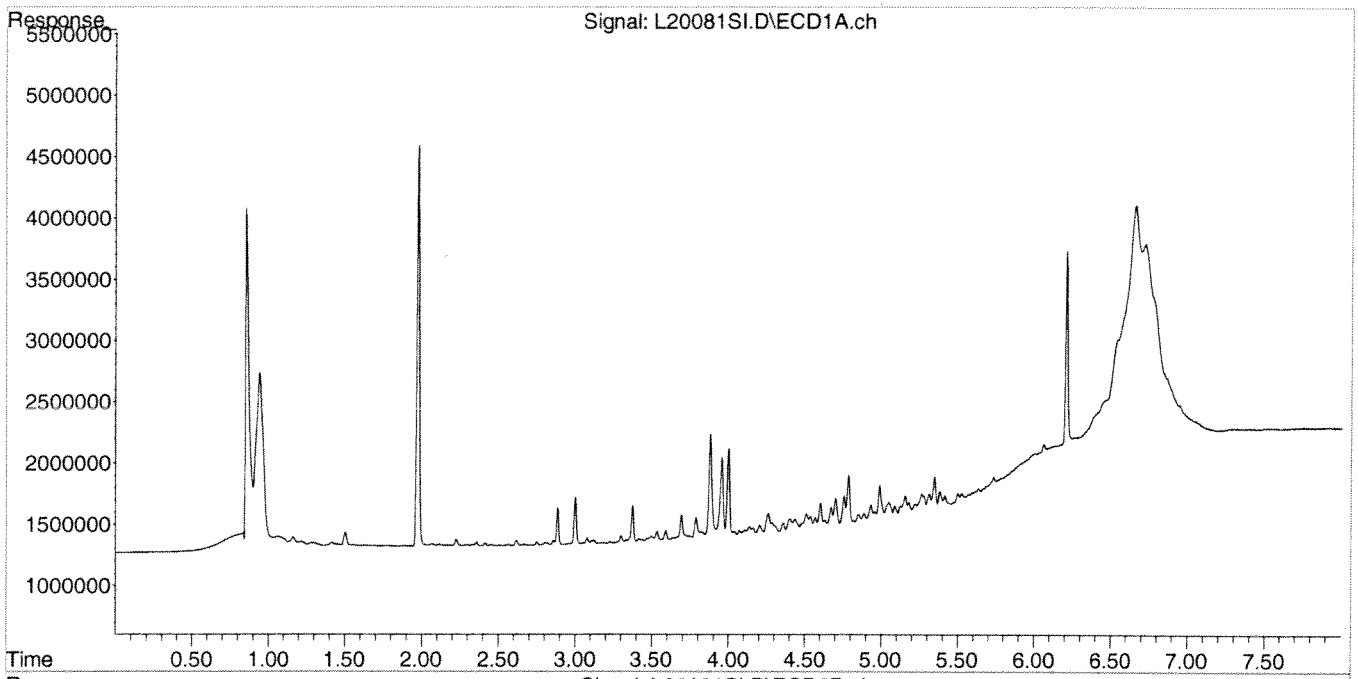
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

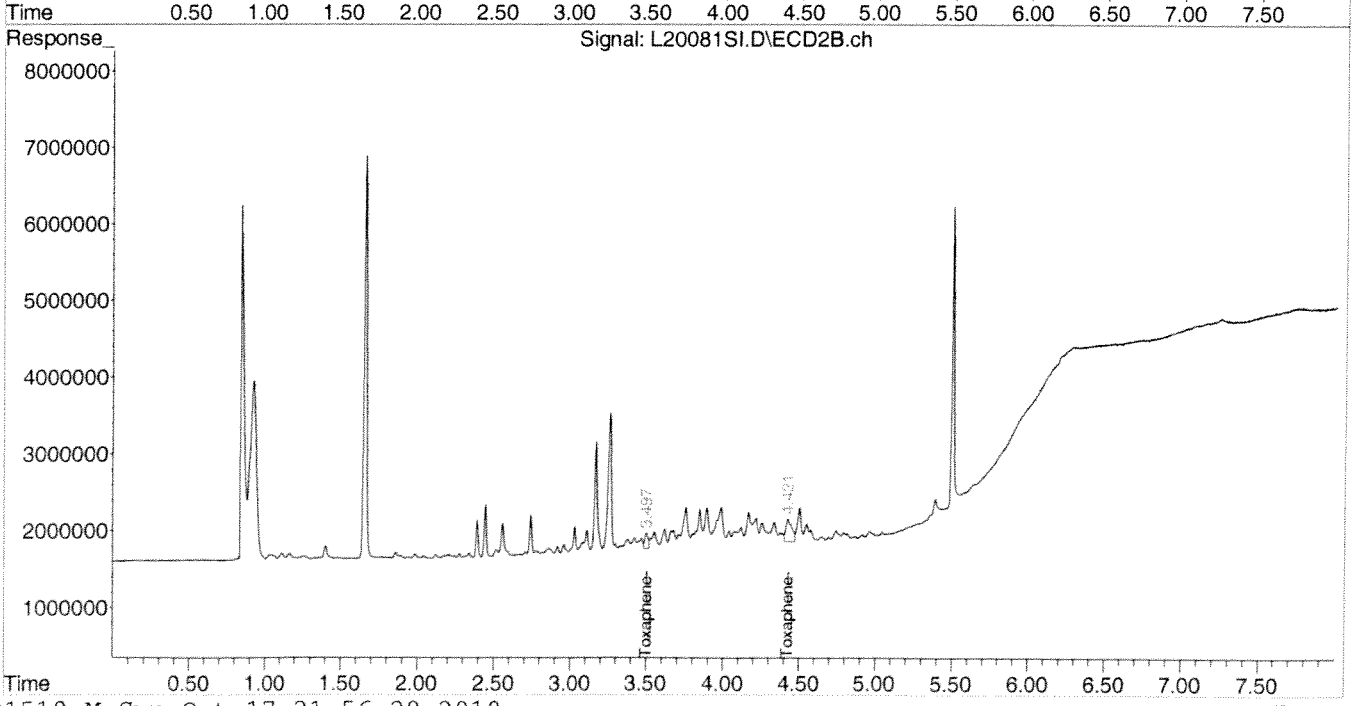
3101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20081SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 7:26 am
Operator : AR
Sample : P5336 C/T 0.01/0.02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:48:24 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Oct 16 03:27:29 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20082SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 7:37 am
Operator : AR
Sample : P5337 C/T 0.025/0.05
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:48:26 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Oct 16 03:27:29 2010
Response via : Initial Calibration
Integrator: ChemStation

10/17/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.884	2.389	6083414	8709962	N.D.	N.D.
2) L1M Chlordane-2	2.999	2.444	7379967	12343987	N.D.	N.D.
3) L1M Chlordane-3	3.373	2.739	5829915	9758834	N.D.	0.003 #
4) L1M Chlordane-4	3.786	3.029	4014947	8399679	N.D.	0.013 #
5) L1M G-Chlordane	3.953	3.168	15611388	34732765	N.D.	0.002 #
6) L1M A-Chlordane	3.997	3.260	13583157	53340482	N.D.	0.000 #
Sum Chlordane-1			0	106.2E6	N.D.	0.012
Average Chlordane-1					0.000	0.003
7) L2M Toxaphene-1	4.398	3.499	2805278	6566241	0.013	0.077 #
8) L2M Toxaphene-2	4.701	3.552	5662188	7381669	N.D.	0.031 #
9) L2M Toxaphene-3	4.755	3.754	4866613	21153760	N.D.	0.016 #
10) L2M Toxaphene-4	4.783	3.891	9198396	18128626	N.D.	0.017 #
11) L2M Toxaphene-5	4.987	4.163	6853284	16121886	N.D.	0.023 #
12) L2M Toxaphene-6	5.381	4.421	2967793	16266188	N.D.	0.042 #
13) L2M Toxaphene-7	5.414	4.499	1988822	13913102	N.D.	0.029 #
Sum Toxaphene-1			2805278	99531473	N.D.	0.236
Average Toxaphene-1					-0.134	0.034

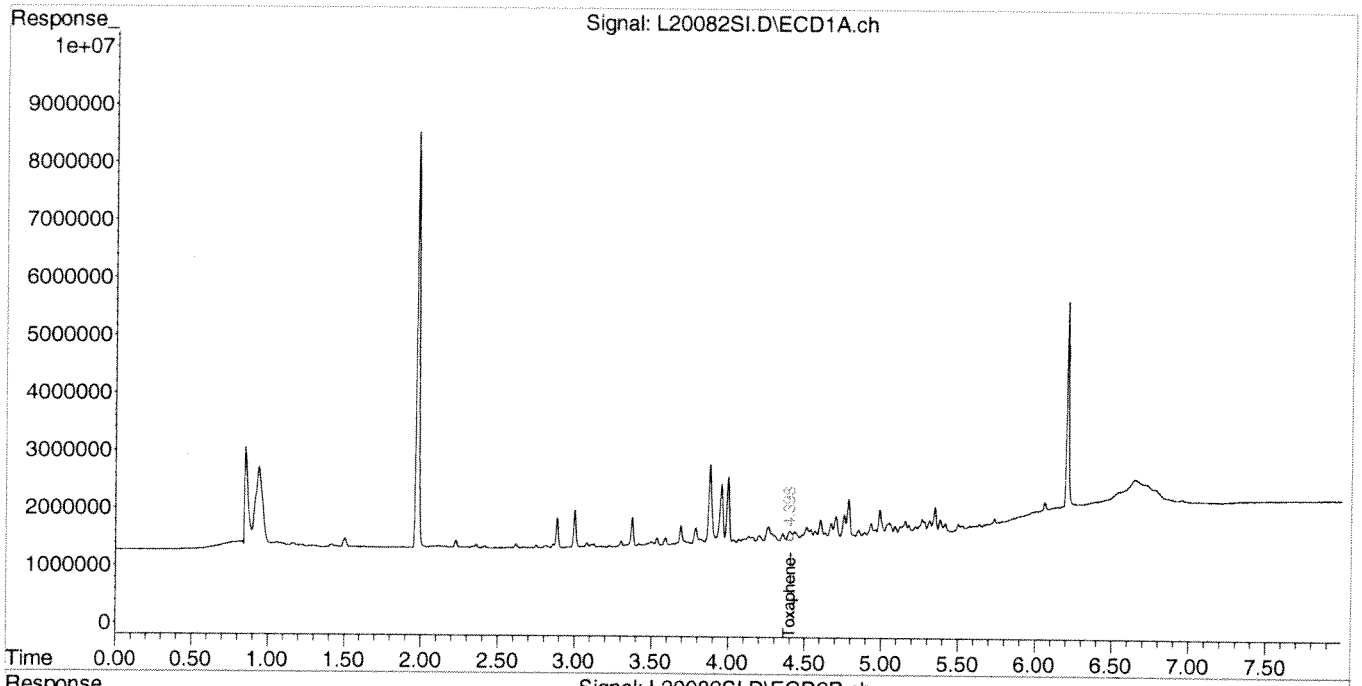
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

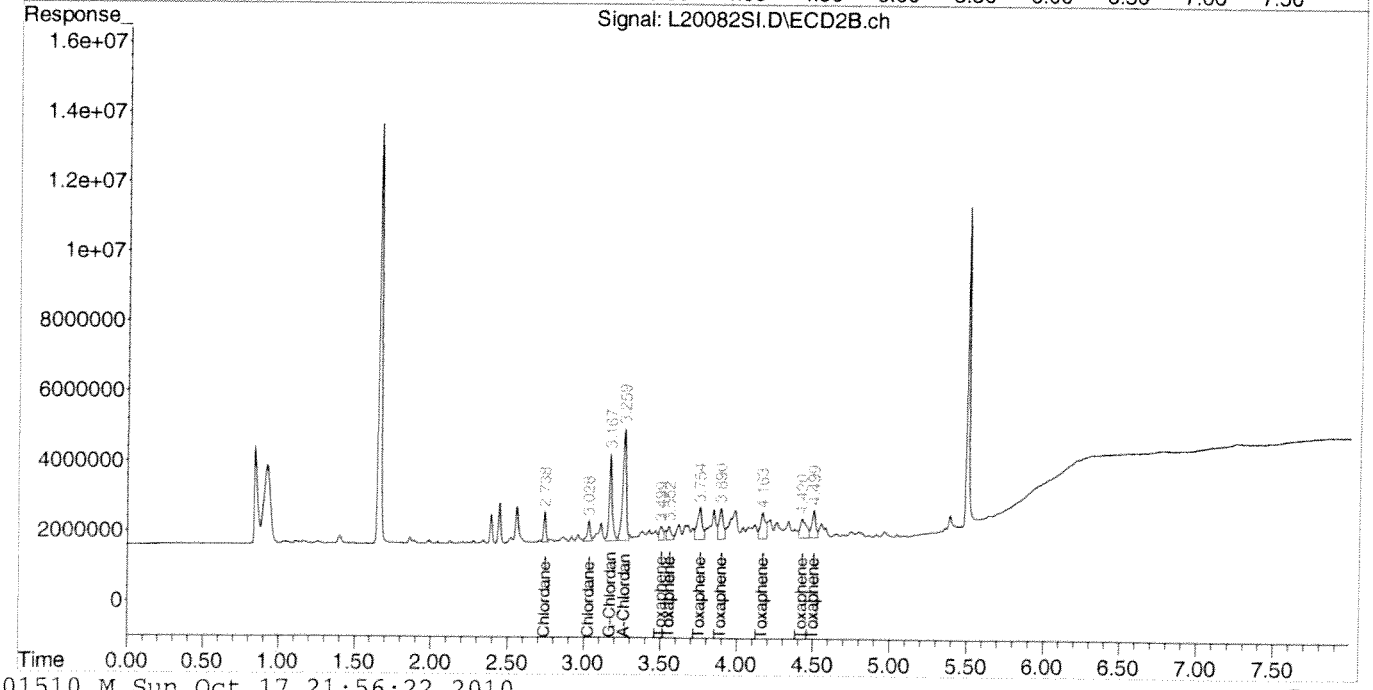
3101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20082SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 7:37 am
Operator : AR
Sample : P5337 C/T 0.025/0.05
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:48:26 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Oct 16 03:27:29 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20083SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 7:47 am
Operator : AR
Sample : P5338 C/T 0.05/0.1
Misc :
ALS Vial : 30 Sample Multiplier: 1

MC 10/17/10

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:48:28 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Oct 16 03:27:29 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
Target Compounds							
1) L1M Chlordane-1	2.884	2.389	9017330	13326586	0.012	0.023	#
2) L1M Chlordane-2	2.999	2.443	10980480	19045732	0.012	0.026	#
3) L1M Chlordane-3	3.374	2.738	9042289	14680805	0.006	0.030	#
4) L1M Chlordane-4	3.786	3.028	8387970	12204685	0.013	0.035	#
5) L1M G-Chlordane	3.953	3.167	21825342	52012014	0.007	0.026	#
6) L1M A-Chlordane	3.997	3.259	19359238	79004669	0.005	0.025	#
Sum Chlordane-1			78612650	190.3E6	0.055	0.164	
Average Chlordane-1					0.009	0.027	
7) L2M Toxaphene-1	4.399	3.498	4576675	10725939	0.064	0.129	#
8) L2M Toxaphene-2	4.701	3.552	8867192	11259165	0.013	0.081	#
9) L2M Toxaphene-3	4.754	3.753	7932304	31573281	0.023	0.064	#
10) L2M Toxaphene-4	4.783	3.891	14144415	27483164	0.034	0.065	#
11) L2M Toxaphene-5	4.987	4.163	10870764	24278632	0.016	0.070	#
12) L2M Toxaphene-6	5.380	4.421	4425740	25047020	N.D.	0.089	#
13) L2M Toxaphene-7	5.413	4.499	3098533	22023308	N.D.	0.081	#
Sum Toxaphene-1			46391351	152.4E6	0.117	0.580	
Average Toxaphene-1					0.023	0.083	

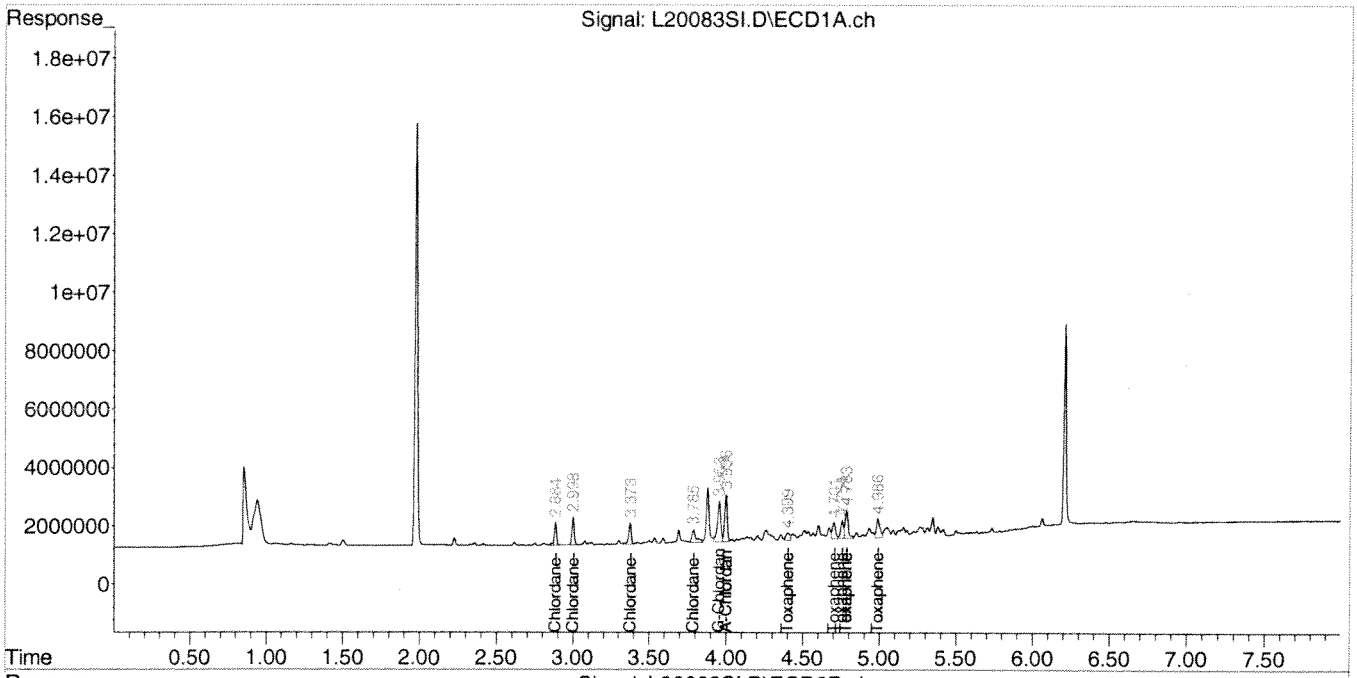
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

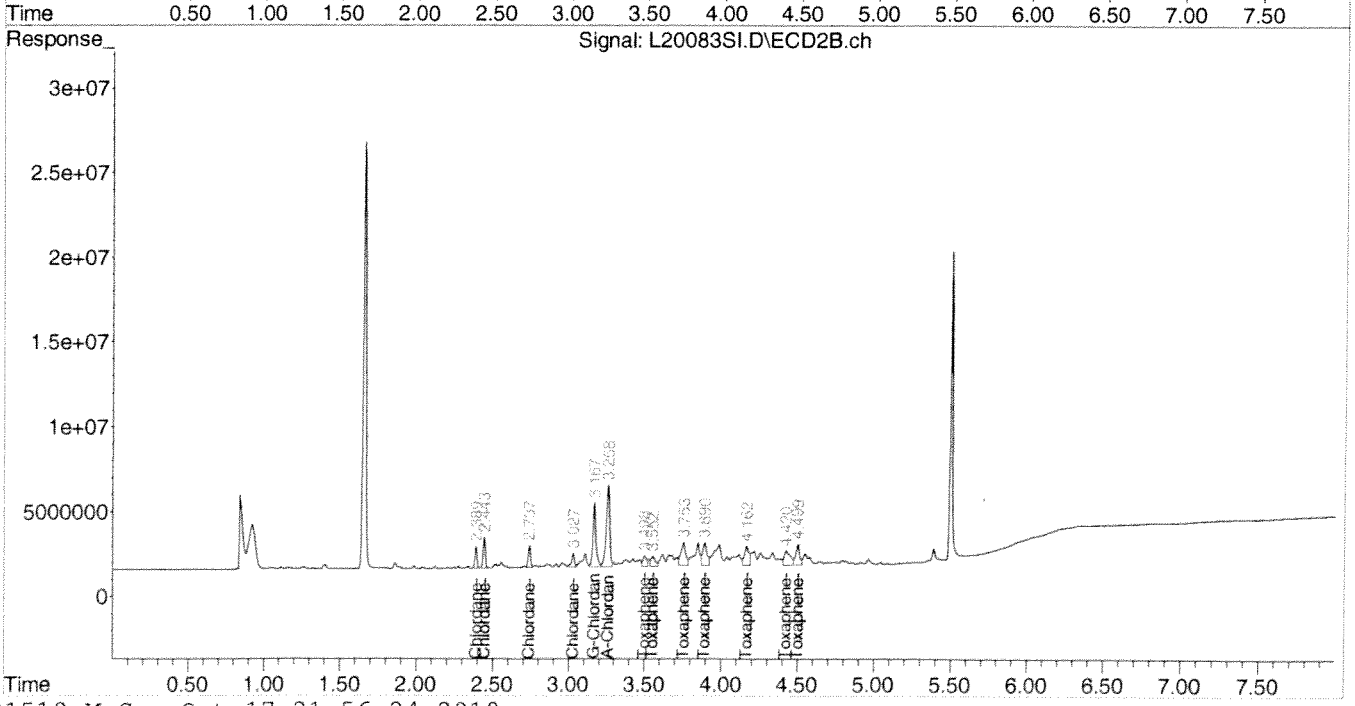
5101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20083SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 7:47 am
Operator : AR
Sample : P5338 C/T 0.05/0.1
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:48:28 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Oct 16 03:27:29 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20084SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 7:57 am
Operator : AR
Sample : P5339 C/T 0.1/0.2
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:48:30 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Oct 16 03:27:29 2010
Response via : Initial Calibration
Integrator: ChemStation

PM 10/17/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
Target Compounds							
1) L1M Chlordane-1	2.884	2.389	15320077	23963856	0.064	0.086	#
2) L1M Chlordane-2	2.999	2.443	18559924	34274139	0.062	0.087	#
3) L1M Chlordane-3	3.374	2.738	16008002	26023438	0.068	0.093	#
4) L1M Chlordane-4	3.786	3.028	11976094	22815038	0.037	0.095	#
5) L1M G-Chlordane	3.953	3.167	40169526	96146820	0.062	0.088	#
6) L1M A-Chlordane	3.997	3.259	34134757	145.9E6	0.055	0.088	#
Sum Chlordane-1			136.2E6	349.1E6	0.348	0.537	
Average Chlordane-1					0.058	0.089	
7) L2M Toxaphene-1	4.399	3.498	9620651	20393510	0.212	0.252	
8) L2M Toxaphene-2	4.701	3.551	17043042	21358017	0.113	0.210	#
9) L2M Toxaphene-3	4.754	3.754	15128816	58729175	0.118	0.189	#
10) L2M Toxaphene-4	4.783	3.891	26885983	51099036	0.130	0.186	#
11) L2M Toxaphene-5	4.987	4.162	19589551	45499051	0.102	0.193	#
12) L2M Toxaphene-6	5.380	4.421	8239760	47084885	0.019	0.207	#
13) L2M Toxaphene-7	5.413	4.499	5910120	41536910	0.056	0.206	#
Sum Toxaphene-1			102.4E6	285.7E6	0.750	1.443	
Average Toxaphene-1					0.107	0.206	

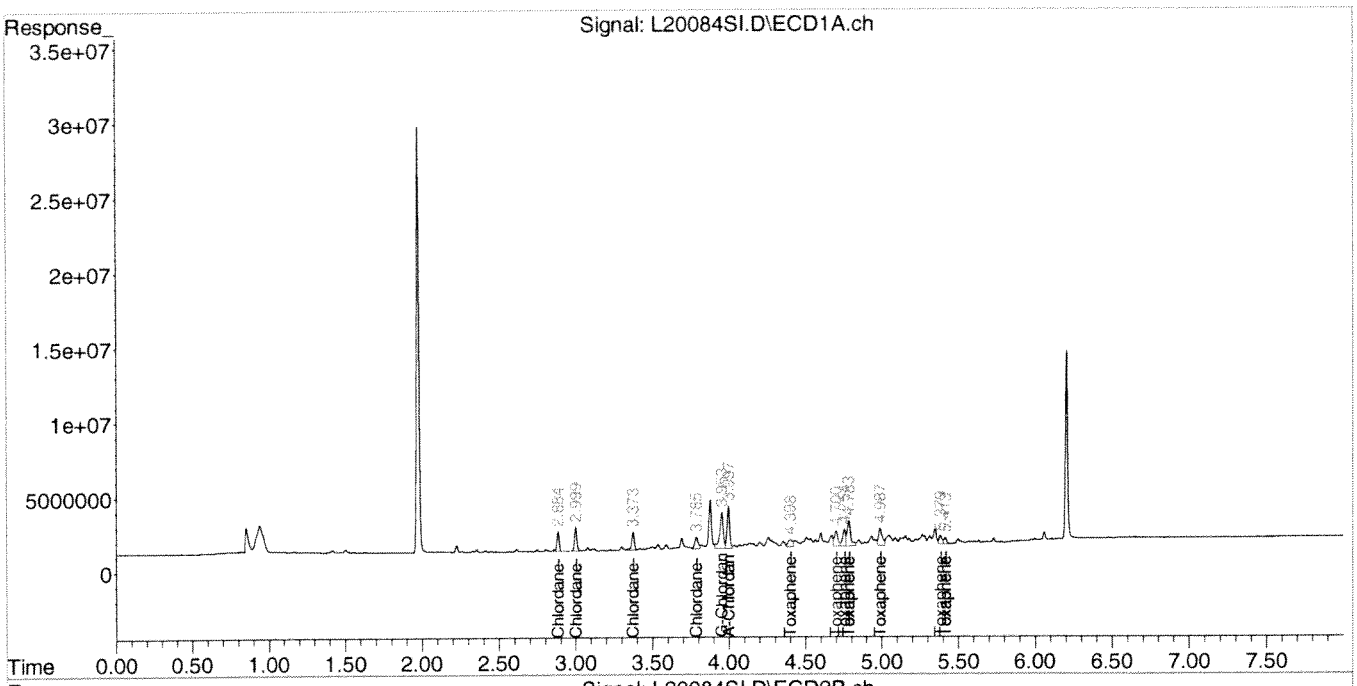
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

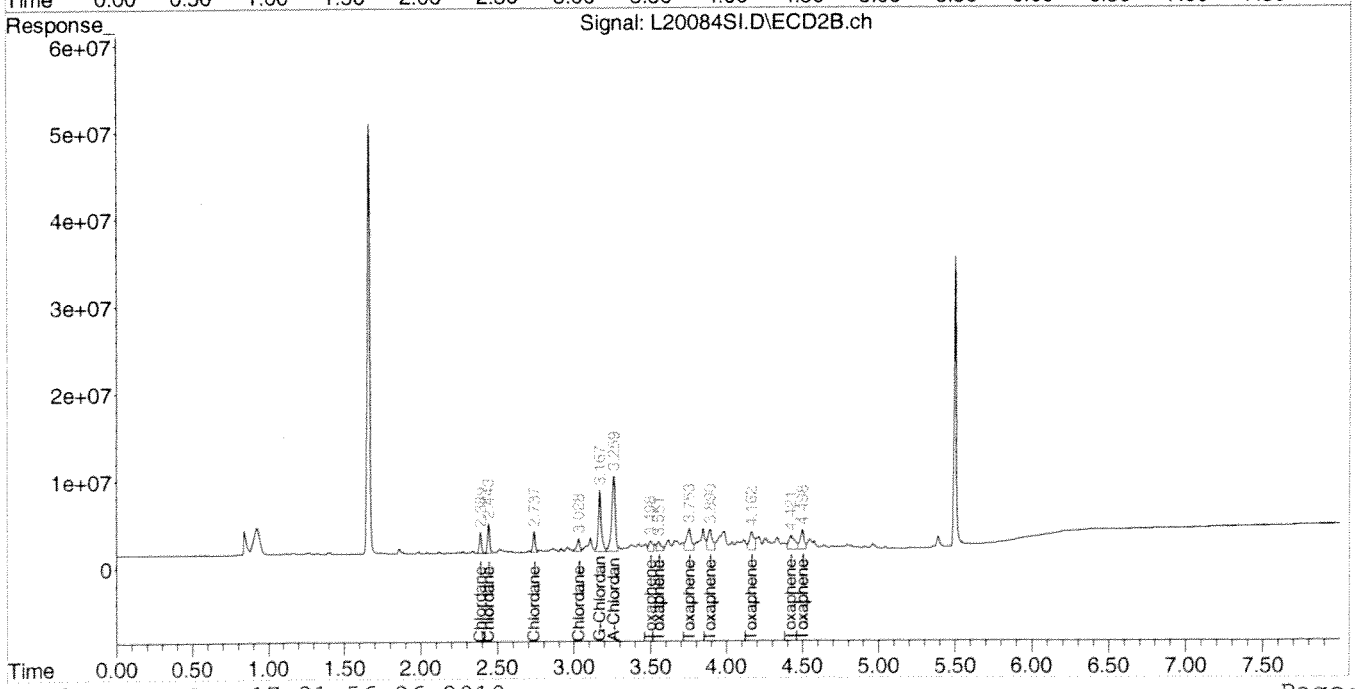
J101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20084SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 7:57 am
Operator : AR
Sample : P5339 C/T 0.1/0.2
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:48:30 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Oct 16 03:27:29 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20085SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 8:08 am
Operator : AR
Sample : P5441 C/T 0.25/0.5
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:48:32 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Oct 16 03:27:29 2010
Response via : Initial Calibration
Integrator: ChemStation

AR 10/17/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.885	2.389	38287925	66656035	0.257	0.338 #
2) L1M Chlordane-2	3.000	2.443	46634180	97056827	0.247	0.340 #
3) L1M Chlordane-3	3.375	2.738	40183093	69752673	0.284	0.338
4) L1M Chlordane-4	3.787	3.028	45110567	63268845	0.256	0.325 #
5) L1M G-Chlordane	3.954	3.168	106.6E6	276.1E6	0.261	0.339 #
6) L1M A-Chlordane	3.998	3.260	91582270	418.3E6	0.248	0.344 #
Sum Chlordane-1			368.4E6	991.2E6	1.552	2.024
Average Chlordane-1					0.259	0.337
7) L2M Toxaphene-1	4.401	3.497	28169451	59809822	0.753	0.751
8) L2M Toxaphene-2	4.702	3.552	48920979	57722450	0.503	0.676 #
9) L2M Toxaphene-3	4.756	3.754	44013060	166.8E6	0.501	0.686 #
10) L2M Toxaphene-4	4.784	3.890	77552866	148.1E6	0.511	0.683 #
11) L2M Toxaphene-5	4.988	4.163	58222238	134.5E6	0.481	0.706 #
12) L2M Toxaphene-6	5.381	4.421	25145162	138.9E6	0.233	0.697 #
13) L2M Toxaphene-7	5.414	4.499	21646415	117.8E6	0.396	0.696 #
Sum Toxaphene-1			303.7E6	823.6E6	3.379	4.896
Average Toxaphene-1					0.483	0.699

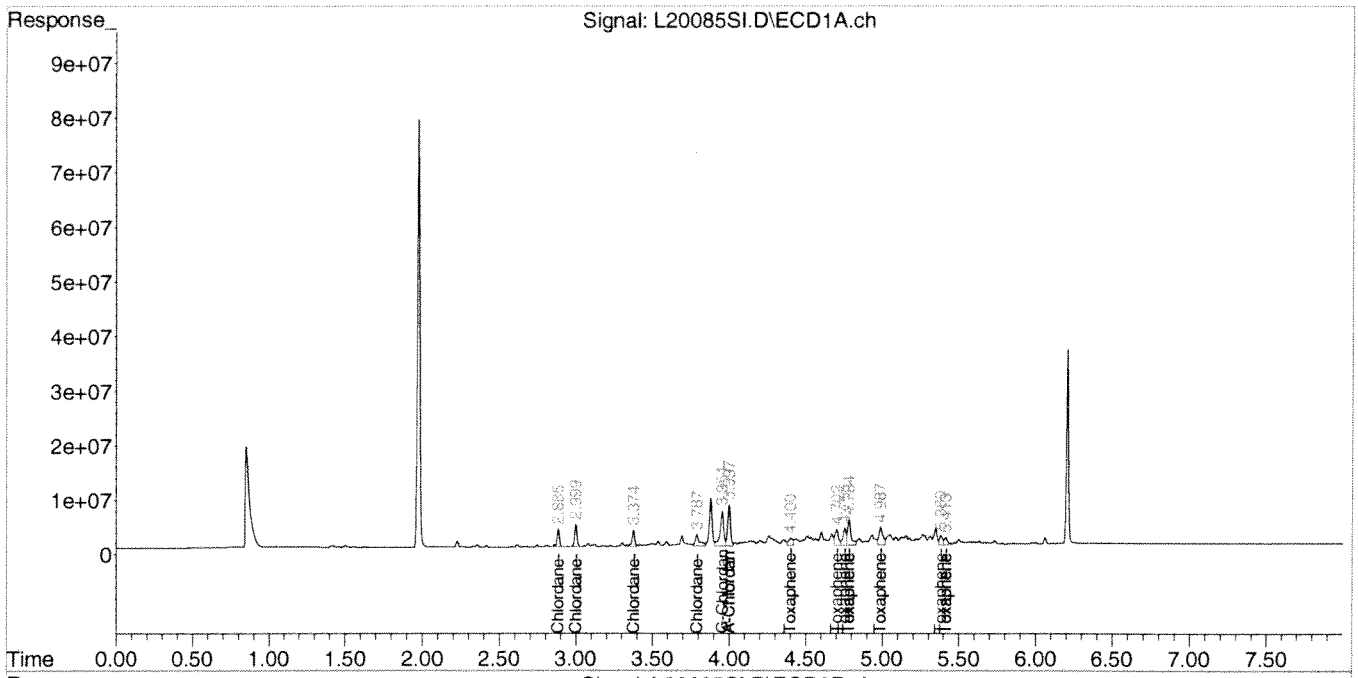
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

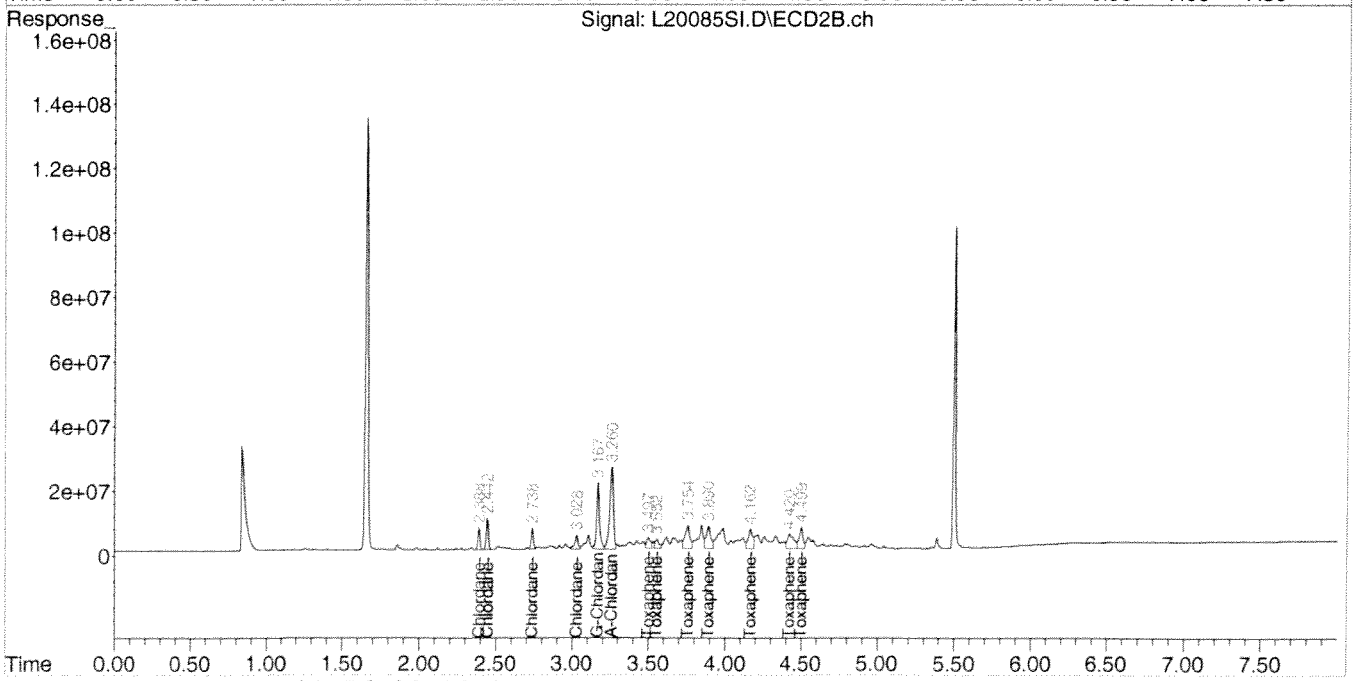
3101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20085SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 8:08 am
Operator : AR
Sample : P5441 C/T 0.25/0.5
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:48:32 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Oct 16 03:27:29 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20086SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 8:18 am
Operator : AR
Sample : P5567 C/T 0.5/1.0
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:48:34 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Oct 16 03:27:29 2010
Response via : Initial Calibration
Integrator: ChemStation

MN 10/17/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.884	2.388	75424726	139.2E6	0.567	0.768 #
2) L1M Chlordane-2	2.999	2.442	94902227	208.5E6	0.566	0.788 #
3) L1M Chlordane-3	3.373	2.737	78055499	140.9E6	0.621	0.735
4) L1M Chlordane-4	3.786	3.028	67198268	129.0E6	0.402	0.699 #
5) L1M G-Chlordane	3.953	3.167	215.5E6	576.4E6	0.587	0.759 #
6) L1M A-Chlordane	3.997	3.258	187.2E6	875.4E6	0.569	0.775 #
Sum Chlordane-1			718.3E6	2069.4E6	3.312	4.523
Average Chlordane-1					0.552	0.754
7) L2M Toxaphene-1	4.399	3.496	58797709	125.0E6	1.646	1.577
8) L2M Toxaphene-2	4.701	3.551	101.4E6	117.2E6	1.145	1.438 #
9) L2M Toxaphene-3	4.755	3.753	91533666	351.5E6	1.130	1.537 #
10) L2M Toxaphene-4	4.784	3.890	162.1E6	304.4E6	1.148	1.482 #
11) L2M Toxaphene-5	4.987	4.162	122.1E6	288.7E6	1.109	1.596 #
12) L2M Toxaphene-6	5.380	4.419	54839671	299.3E6	0.610	1.554 #
13) L2M Toxaphene-7	5.413	4.498	49451357	250.1E6	0.997	1.545 #
Sum Toxaphene-1			640.2E6	1736.2E6	7.785	10.730
Average Toxaphene-1					1.112	1.533

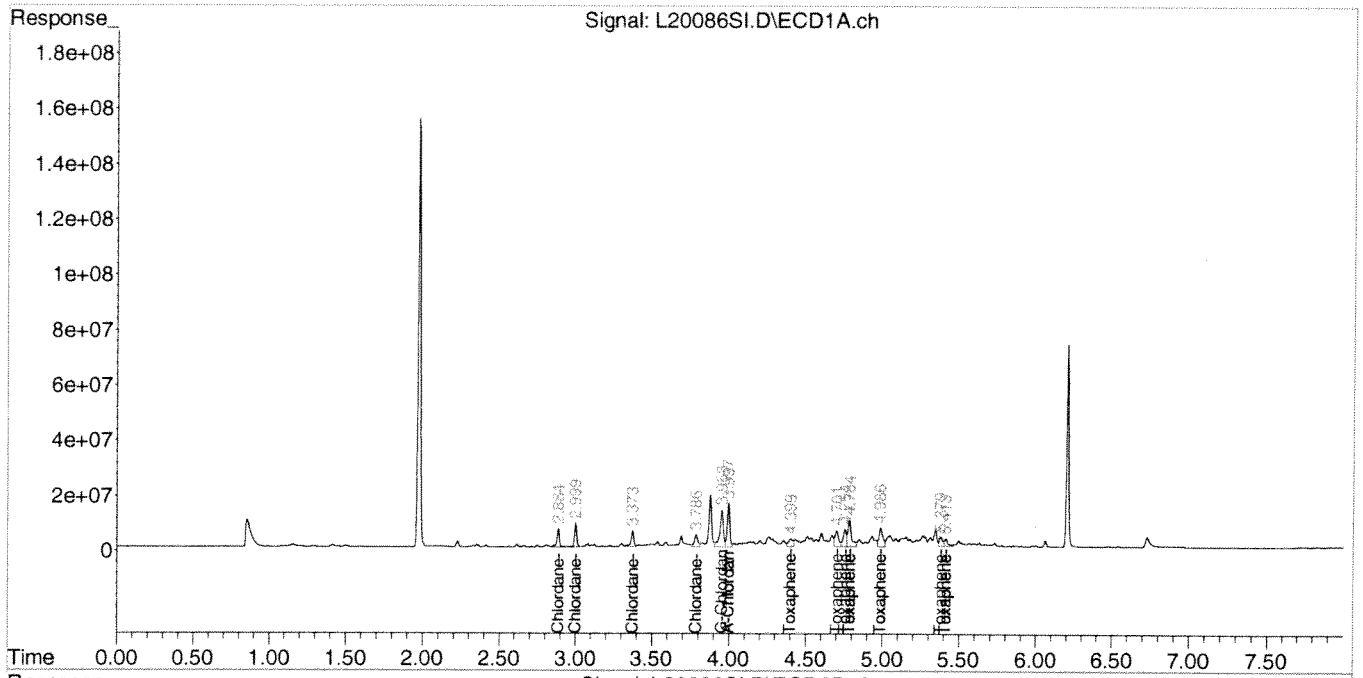
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

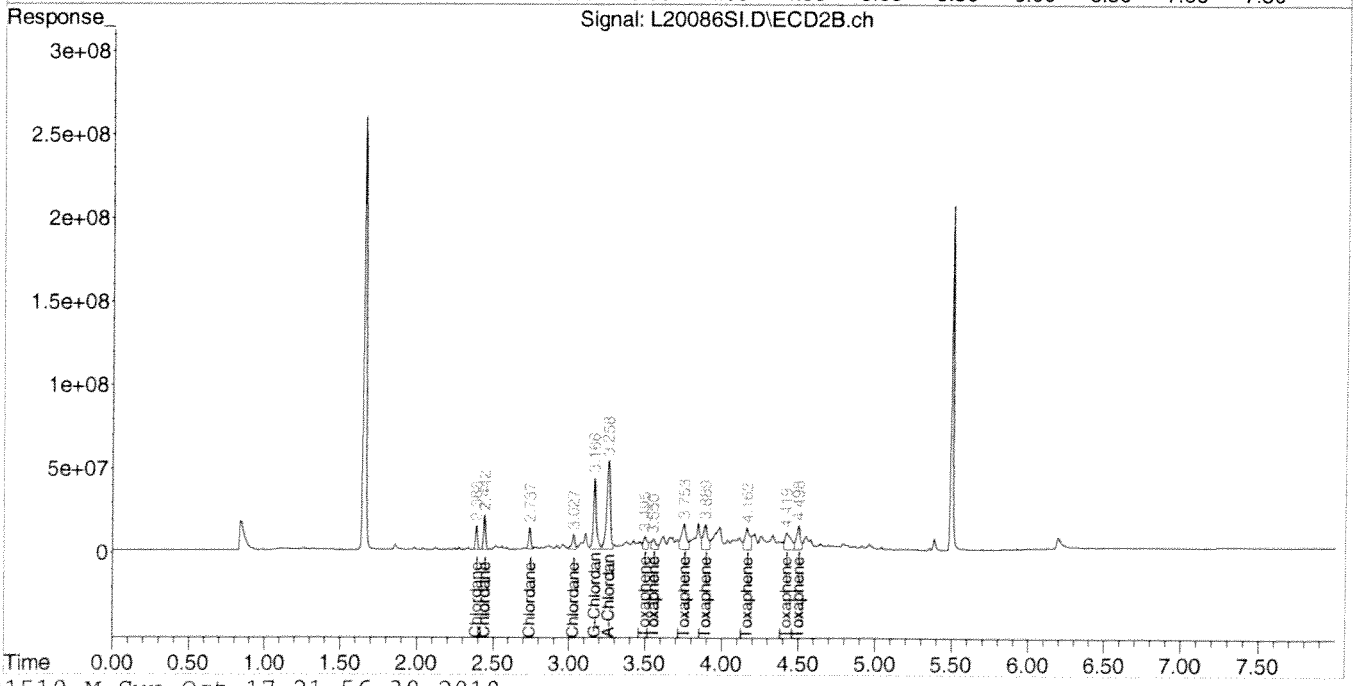
101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20086SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 8:18 am
Operator : AR
Sample : P5567 C/T 0.5/1.0
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:48:34 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Oct 16 03:27:29 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20087SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 8:28 am
Operator : AR
Sample : P5342 C/T 1.0/2.0
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:48:36 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Oct 16 03:27:29 2010
Response via : Initial Calibration
Integrator: ChemStation

10/17/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.884	2.388	144.1E6	277.8E6	1.142	1.588 #
2) L1M Chlordane-2	2.999	2.442	183.3E6	407.0E6	1.149	1.587 #
3) L1M Chlordane-3	3.373	2.737	148.7E6	274.2E6	1.250	1.479
4) L1M Chlordane-4	3.787	3.027	180.4E6	260.9E6	1.149	1.449 #
5) L1M G-Chlordane	3.953	3.167	424.0E6	1144.4E6	1.212	1.553 #
6) L1M A-Chlordane	3.997	3.258	367.4E6	1719.4E6	1.175	1.571 #
Sum Chlordane-1			1447.9E6	4083.7E6	7.078	9.227
Average Chlordane-1					1.180	1.538
7) L2M Toxaphene-1	4.399	3.496	113.8E6	239.4E6	3.251	3.025
8) L2M Toxaphene-2	4.701	3.551	196.1E6	230.5E6	2.304	2.889 #
9) L2M Toxaphene-3	4.755	3.752	178.4E6	685.4E6	2.281	3.073 #
10) L2M Toxaphene-4	4.784	3.889	317.4E6	602.3E6	2.318	3.008 #
11) L2M Toxaphene-5	4.987	4.161	240.5E6	555.2E6	2.272	3.134 #
12) L2M Toxaphene-6	5.380	4.420	106.5E6	589.2E6	1.265	3.104 #
13) L2M Toxaphene-7	5.413	4.498	99415779	486.9E6	2.077	3.066 #
Sum Toxaphene-1			1252.3E6	3388.9E6	15.769	21.298
Average Toxaphene-1					2.253	3.043

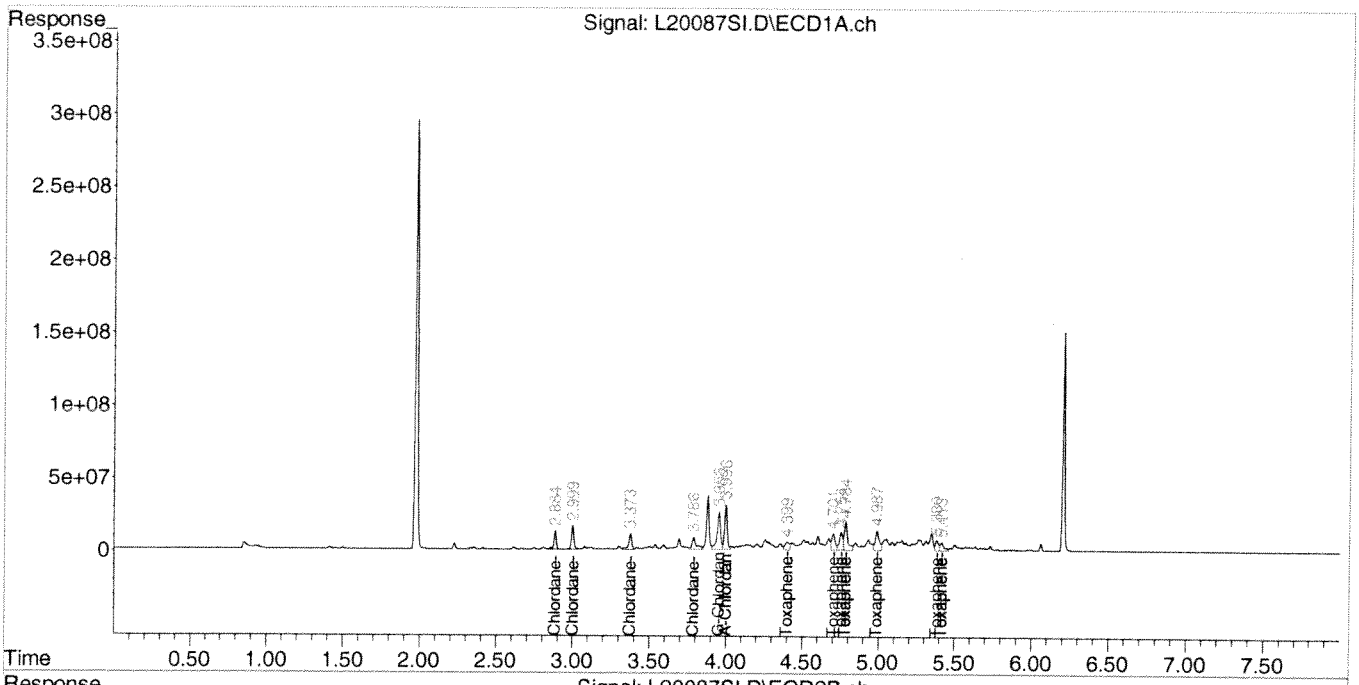
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

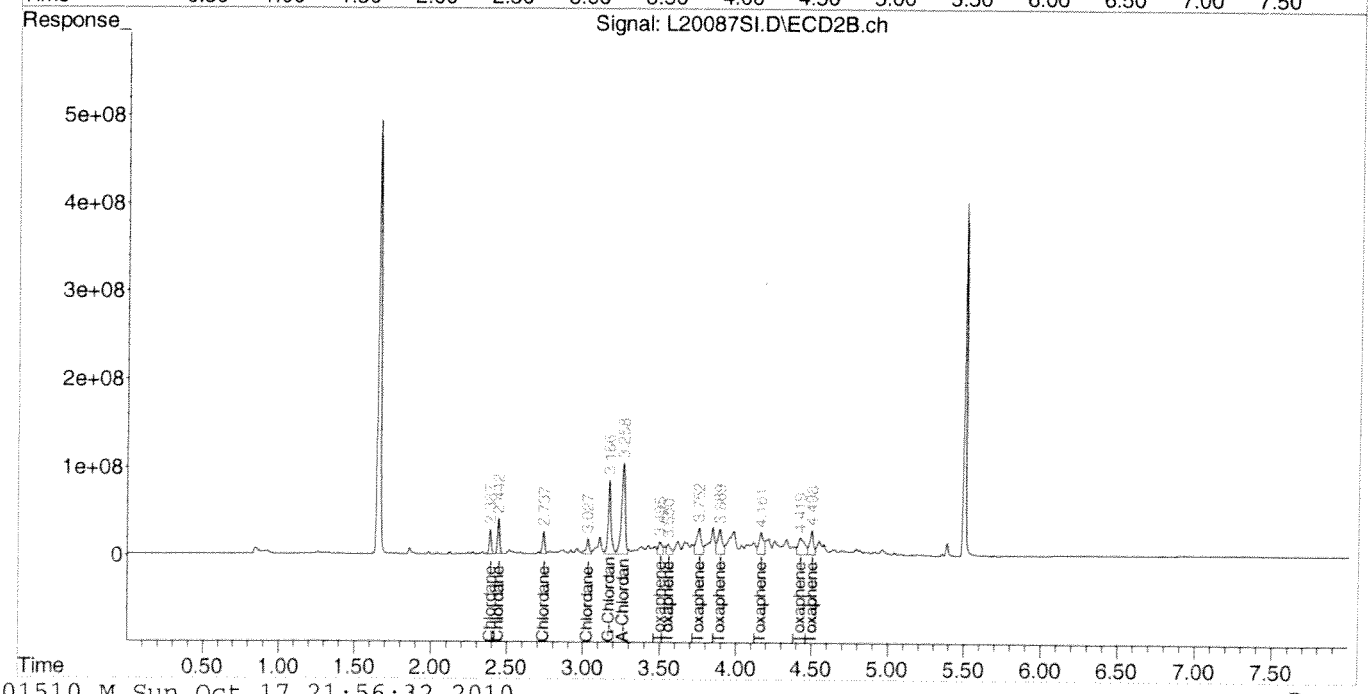
10/18/10

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20087SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 8:28 am
Operator : AR
Sample : P5342 C/T 1.0/2.0
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:48:36 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sat Oct 16 03:27:29 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





CHLORDANE/TOXAPHENE
INITIAL CALIBRATION VERIFICATION

10/17/10

Instrument ID: L
GC Column #1: RTX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: RTX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5427 C/T ICV 0.5/1.0
Data File ID: L20088CC.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.551	110		0.508	102	
Toxaphene	1.043	104		1.041	104	

Lower Limit	Upper Limit
80	120

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 2101310

CHLORDANE/TOXAPHENE FORM 7

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20088CC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 8:39 am
Operator : AR
Sample : P5427 C/T ICV 0.5/1.0
Misc :
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:54:10 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

10/17/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.884	2.387	65974994	111.9E6	0.447	0.404
2) L1M Chlordane-2	2.999	2.442	109.5E6	244.0E6	0.591	0.599
3) L1M Chlordane-3	3.373	2.737	80994440	132.8E6	0.534	0.480
4) L1M Chlordane-4	3.786	3.027	99560286	114.8E6	0.584	0.443
5) L1M G-Chlordane	3.953	3.166	278.8E6	625.1E6	0.655	0.548
6) L1M A-Chlordane	3.996	3.256	182.8E6	990.4E6	0.494	0.576
Sum Chlordane-1			817.7E6	2218.9E6	3.305	3.048
Average Chlordane-1					0.551	0.508
7) L2M Toxaphene-1	4.400	3.497	64907730	129.5E6	1.137	1.075
8) L2M Toxaphene-2	4.701	3.551	102.8E6	124.6E6	1.043	1.077
9) L2M Toxaphene-3	4.755	3.753	98485177	381.3E6	1.102	1.110
10) L2M Toxaphene-4	4.783	3.890	158.7E6	319.6E6	0.999	1.062
11) L2M Toxaphene-5	4.987	4.162	121.8E6	285.9E6	1.014	1.027
12) L2M Toxaphene-6	5.380	4.420	50682409	278.2E6	0.954	0.949
13) L2M Toxaphene-7	5.413	4.498	51406825	240.5E6	1.054	0.987
Sum Toxaphene-1			648.8E6	1759.7E6	7.304	7.287
Average Toxaphene-1					1.043	1.041

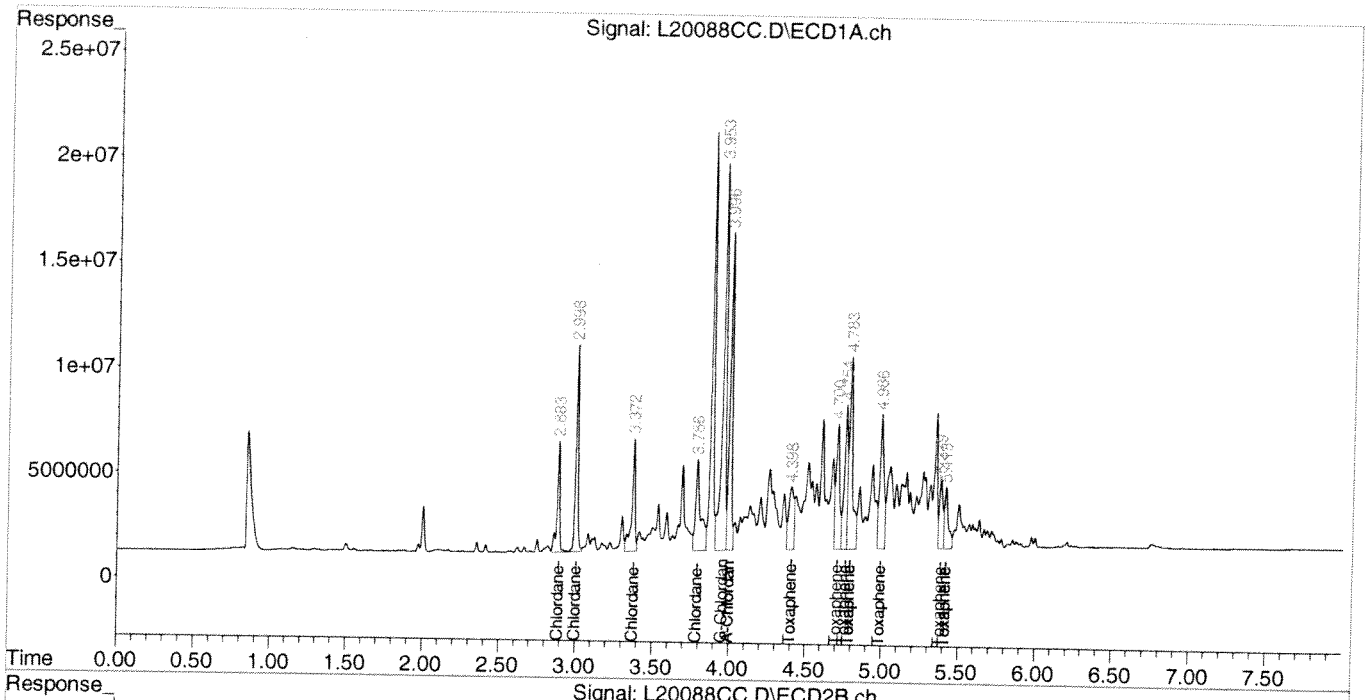
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

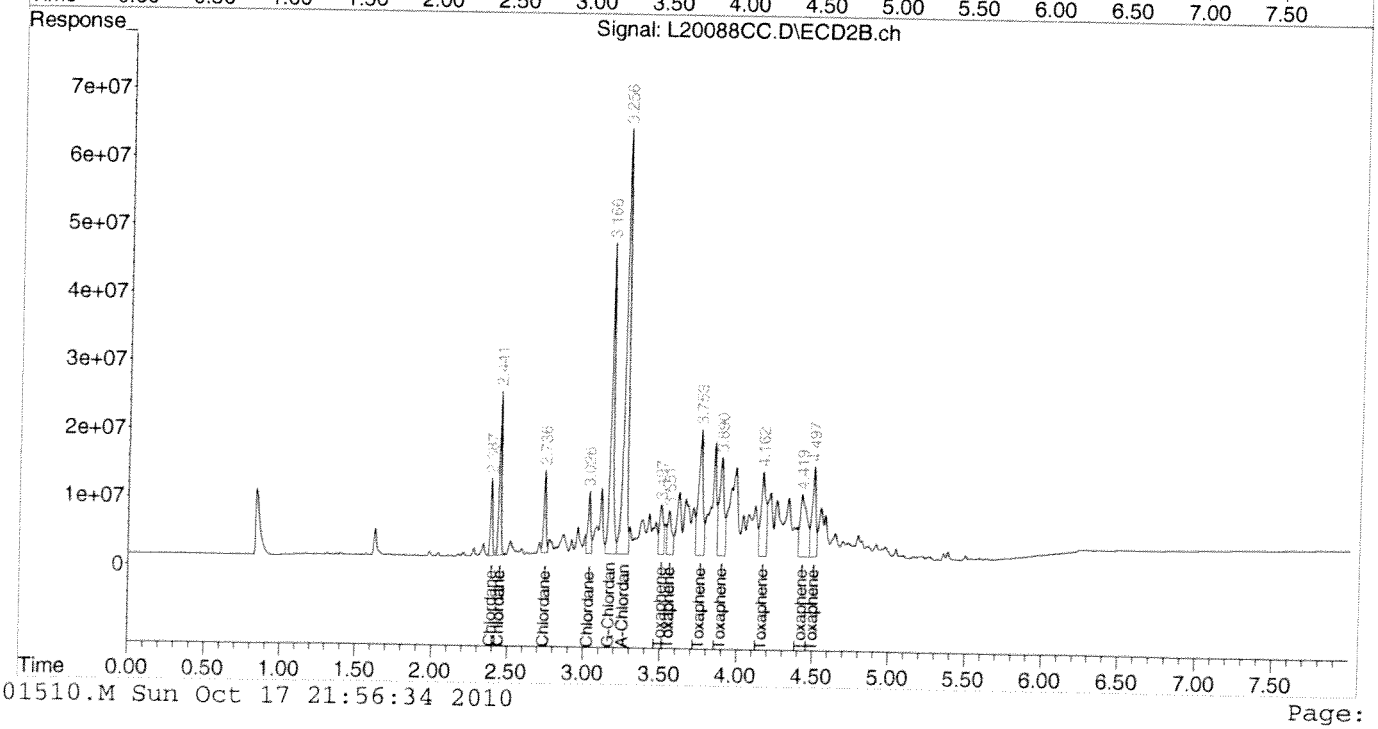
101910

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20088CC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 8:39 am
Operator : AR
Sample : P5427 C/T ICV 0.5/1.0
Misc :
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 21:54:10 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





CHLORDANE/TOXAPHENE
CONTINUING CALIBRATION

10/17/10

Instrument ID: L
GC Column #1: RTX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: RTX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5441 C/T 0.25/0.5
Data File ID: L20099SC.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.220	88		0.235	94	
Toxaphene	0.263	53	*	0.268	54	*

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

3/19/10

CHLORDANE/TOXAPHENE FORM 7

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20099SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 10:32 am
Operator : AR
Sample : P5441 C/T 0.25/0.5
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 22:07:18 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

AR 10/17/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
Target Compounds							
1) L1M Chlordane-1	2.884	2.388	37317554	66663900	0.246	0.241	
2) L1M Chlordane-2	2.999	2.442	40181508	74796097	0.210	0.185	
3) L1M Chlordane-3	3.372	2.737	37318175	67335577	0.238	0.240	
4) L1M Chlordane-4	3.786	3.027	27238316	80739478	0.172	0.312	#
5) L1M G-Chlordane	3.952	3.167	91723783	240.2E6	0.212	0.212	
6) L1M A-Chlordane	3.996	3.258	90347202	381.3E6	0.242	0.222	
Sum Chlordane-1			324.1E6	911.0E6	1.318	1.413	
Average Chlordane-1					0.220	0.235	
7) L2M Toxaphene-1	4.399	3.503	16631375	28878324	0.297	0.242	
8) L2M Toxaphene-2	4.701	3.551	27474050	42028343	0.279m	0.361	#
9) L2M Toxaphene-3	4.753	3.753	20249057	115.1E6	0.230m	0.336	#
10) L2M Toxaphene-4	4.783	3.889	41378161	87601387	0.264m	0.293	
11) L2M Toxaphene-5	4.987	4.162	28195245	74096359	0.240	0.270	
12) L2M Toxaphene-6	5.345	4.419	17637425	49362828	0.340m	0.178	#
13) L2M Toxaphene-7	5.378	4.497	7734686	47348391	0.190m	0.198	
Sum Toxaphene-1			159.3E6	444.4E6	1.840	1.879	
Average Toxaphene-1					0.263	0.268	

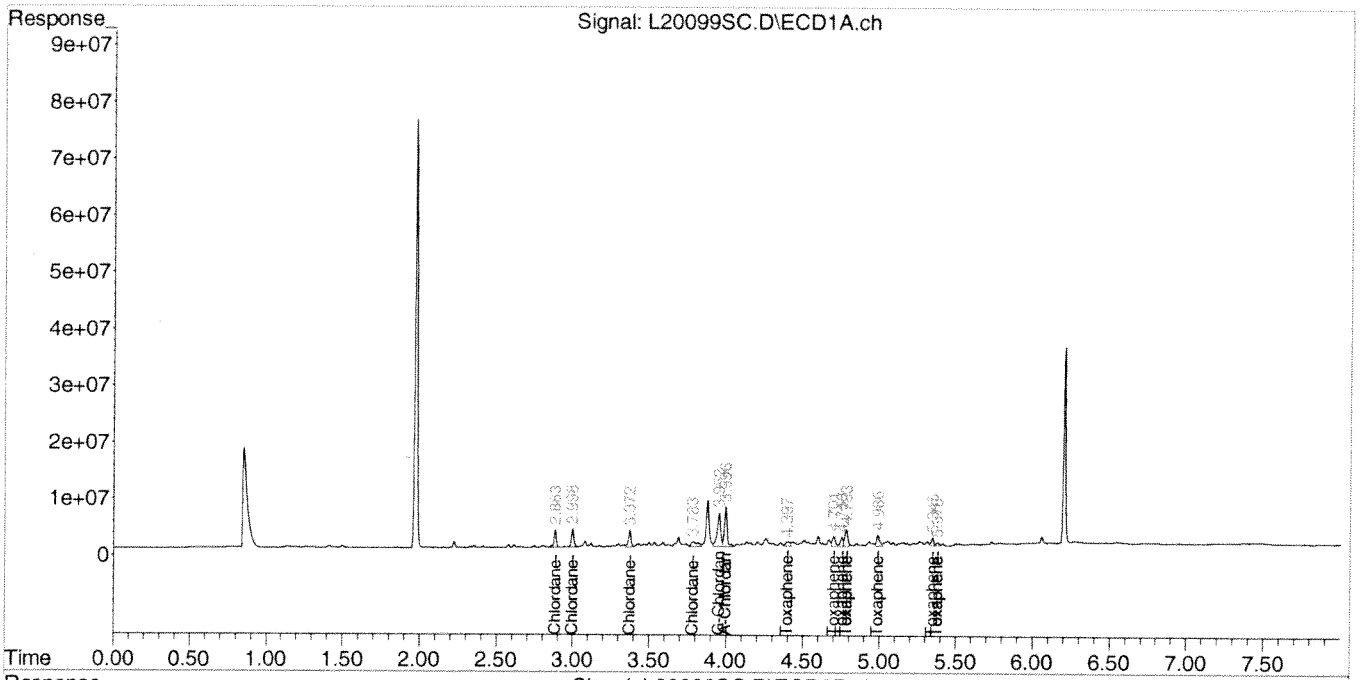
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

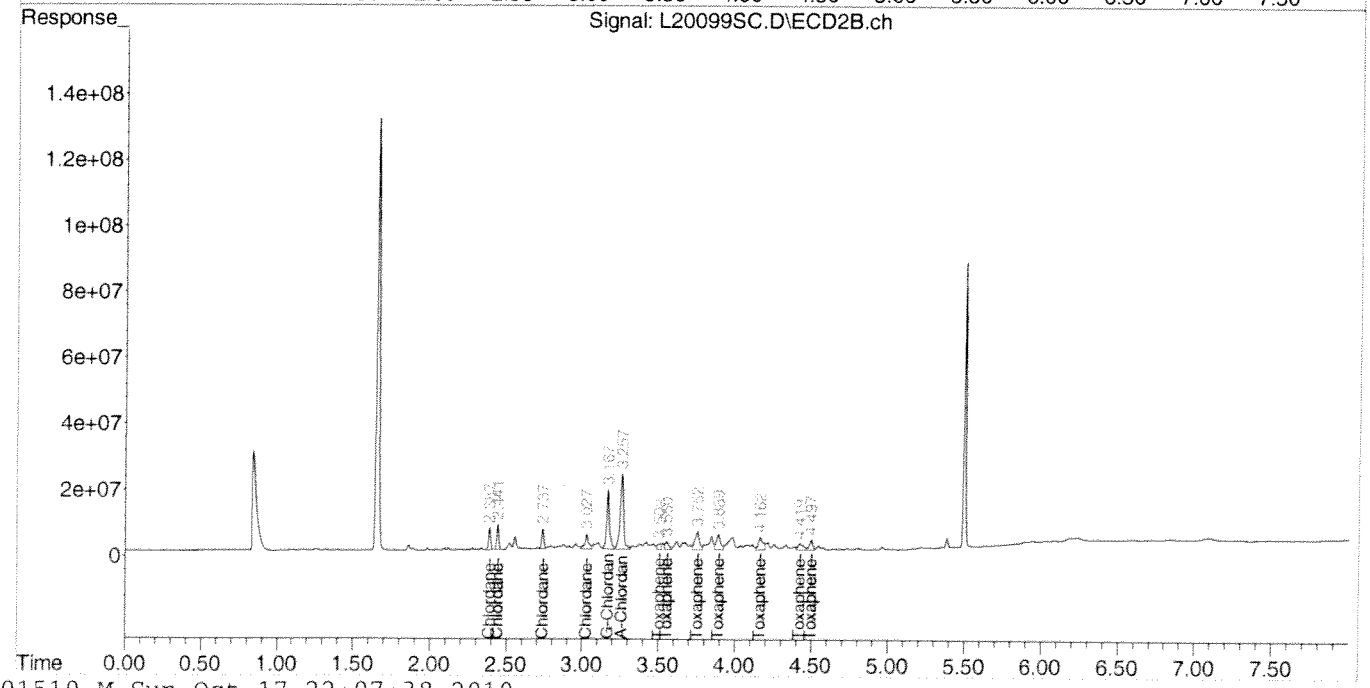
3/01/2010

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20099SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 10:32 am
Operator : AR
Sample : P5441 C/T 0.25/0.5
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 22:07:18 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film



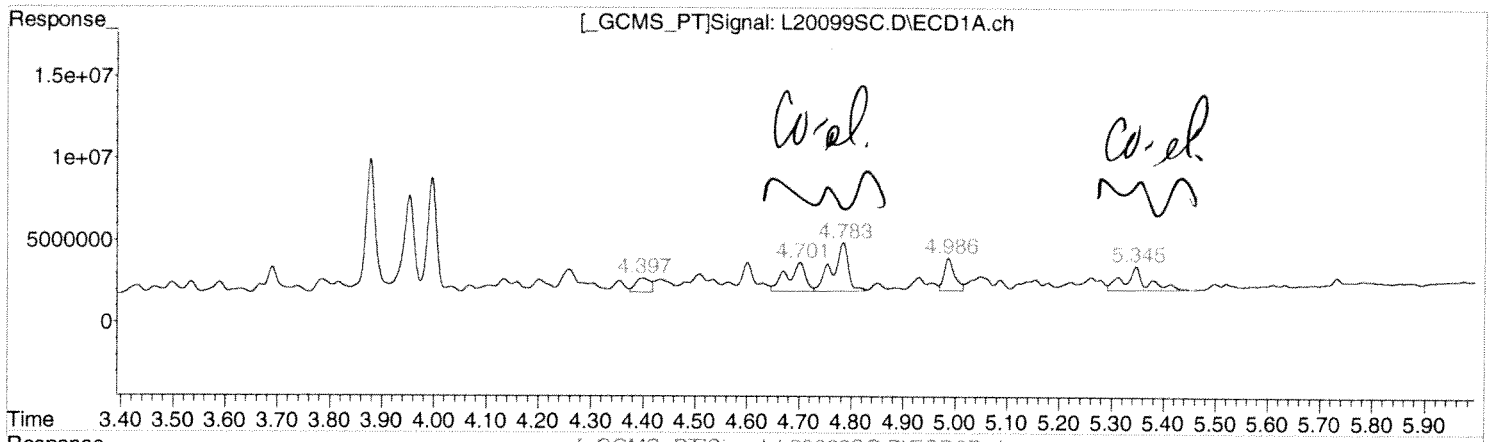


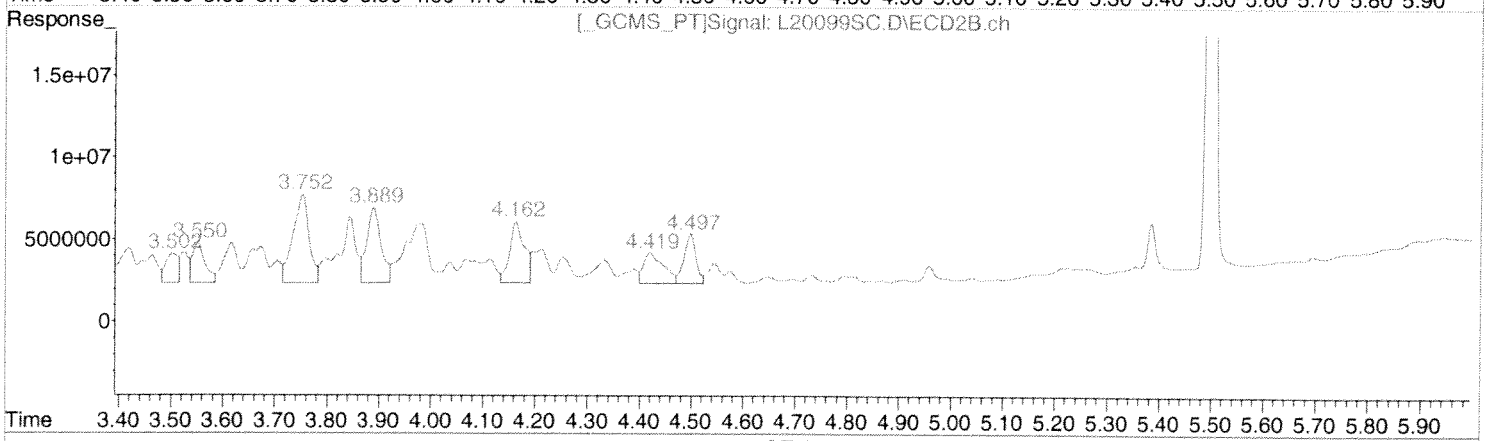
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20099SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 10:32 am
Operator : AR
Sample : P5441 C/T 0.25/0.5
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 22:05:07 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

PM 10/17/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





QEdit

(7) Toxaphene-1 (L2M)

R.T.	Response	Conc
4.40	16891375	0.30
4.70	43910477	0.45
4.78	62430209	0.70
4.78	62430209	0.40
4.99	28195245	0.24
5.35	42361610	0.80
5.35	42361610	0.88

5/01810

(7) Toxaphene-1 #2 (L2M)

R.T.	Response	Conc
3.50	28878324	0.24
3.55	42028343	0.36
3.75	115054009	0.34
3.89	87601387	0.29
4.16	74096359	0.27
4.42	49362828	0.18
4.50	47348391	0.20

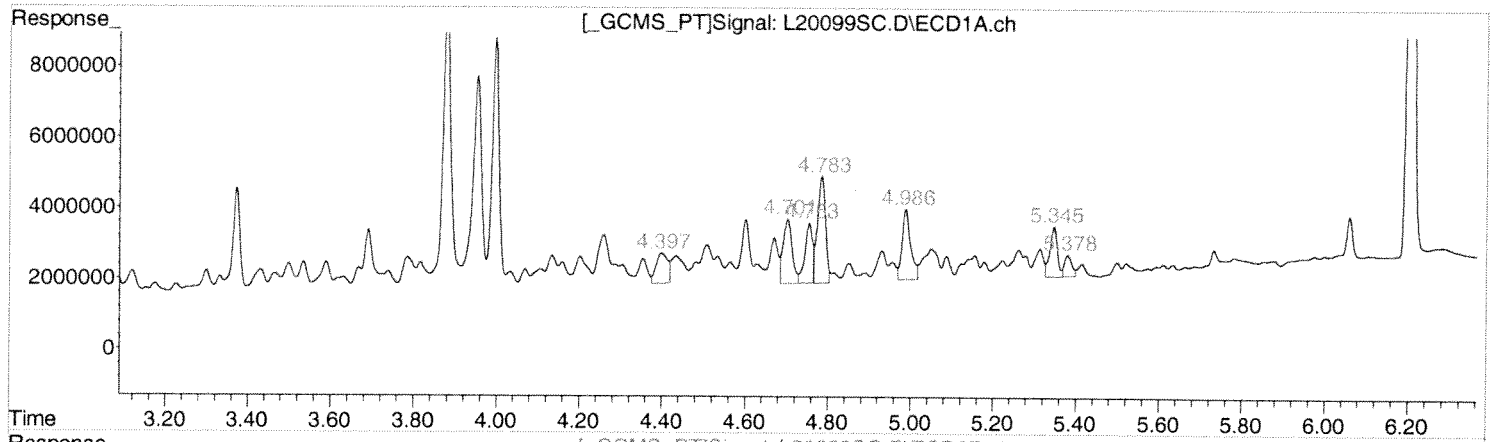
(+) = Expected Retention Time

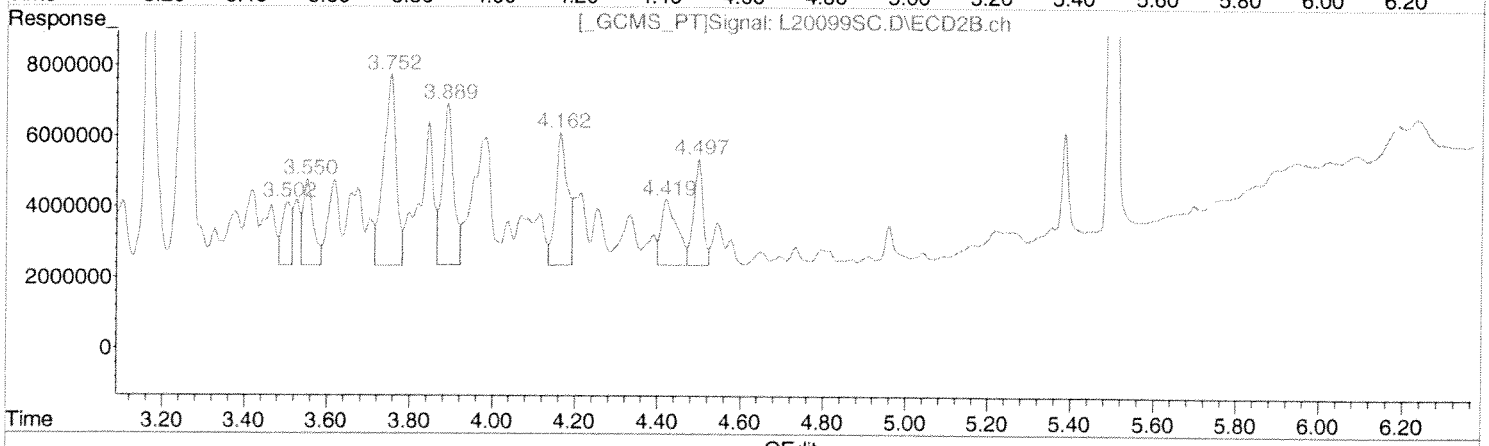
Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20099SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 10:32 am
Operator : AR
Sample : P5441 C/T 0.25/0.5
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 17 22:05:07 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

PM 10/17/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





QEdit

(7) Toxaphene-1 #2 (L2M)

R.T.	Response	Conc
4.40	16691375	0.30
4.70	27474050	0.28
4.75	20249057	0.23
4.78	41378161	0.26
4.99	28195245	0.24
5.35	17637425	0.34
5.38	7734686	0.19

(7) Toxaphene-1 #2 (L2M)

R.T.	Response	Conc
3.50	28878324	0.24
3.55	42028343	0.36
3.75	115054009	0.34
3.89	87601387	0.29
4.16	74096359	0.27
4.42	49362828	0.18
4.50	47348391	0.20

310180

(+) = Expected Retention Time

Failures due to Matrix

10/17/10

Data File Name L20101SC.D
Date Acquired 10/16/2010 10:53
Sample Name P5532 PEST 30

Name	Ret Time	Expected Ret Time	RT Difference	Window	RT Pass	Amount	Recovery	Recovery Pass
TCX	1.9739	1.9750	0.0011	0.0101	OK	30.03	100%	OK
HEXACHLOROBENZENE	2.2991	2.3001	0.0010	0.0132	OK	29.28	98%	OK
A-BHC	2.3883	2.3892	0.0010	0.0144	OK	28.92	96%	OK
G-BHC	2.6541	2.6551	0.0010	0.0160	OK	28.15	94%	OK
B-BHC	2.7154	2.7162	0.0008	0.0170	OK	29.75	99%	OK
D-BHC	2.9474	2.9482	0.0008	0.0178	OK	28.87	96%	OK
HEPTACHLOR	2.9992	3.0004	0.0012	0.0175	OK	23.29	78%	*
ALDRIN	3.2610	3.2617	0.0007	0.0175	OK	29.31	98%	OK
HEPTACHLOR EPOXIDE	3.7202	3.7211	0.0008	0.0182	OK	29.47	98%	OK
G-CHLORDANE	3.8856	3.8891	0.0036	0.0177	OK	51.98	173%	* OK co/2
A-CHLORDANE	3.9967	3.9978	0.0011	0.0178	OK	28.77	96%	OK
ENDOSULFAN I	4.0471	4.0484	0.0012	0.0179	OK	28.57	95%	OK
4,4-DDE	4.1316	4.1331	0.0015	0.0182	OK	28.58	95%	OK
DIELDRIN	4.2758	4.2770	0.0012	0.0188	OK	28.30	94%	OK
ENDRIN	4.5333	4.5346	0.0013	0.0184	OK	24.53	82%	✓ ok
4,4-DDD	4.6220	4.6235	0.0014	0.0168	OK	34.27	114%	OK
ENDOSULFAN II	4.7141	4.7154	0.0013	0.0177	OK	31.20	104%	OK
4,4-DDT	4.8809	4.8828	0.0019	0.0145	OK	13.11	44%	*
ENDRIN ALDEHYDE	4.9809	4.9821	0.0013	0.0150	OK	29.72	99%	OK
ENODOSULFAN SULFATE	5.1801	5.1812	0.0011	0.0142	OK	29.06	97%	OK
METHOXYCHLOR	5.3653	5.3665	0.0012	0.0123	OK	13.99	47%	*
ENDRIN KETONE	5.5314	5.5322	0.0008	0.0120	OK	27.86	93%	OK
DCB	6.2032	6.2043	0.0011	0.0112	OK	28.94	96%	OK

MCP DOD 80-120%

TCX #2	1.6549	1.6559	0.0011	0.0054	OK	29.90	100%	OK
HEXACHLOROBENZENE #2	1.8600	1.8612	0.0013	0.0038	OK	29.51	98%	OK
A-BHC #2	1.9503	1.9513	0.0010	0.0038	OK	29.58	99%	OK
G-BHC #2	2.1373	2.1382	0.0010	0.0029	OK	28.77	96%	OK
B-BHC #2	2.1915	2.1923	0.0008	0.0025	OK	28.09	94%	OK
D-BHC #2	2.3064	2.3070	0.0007	0.0025	OK	28.87	96%	OK
HEPTACHLOR #2	2.4425	2.4436	0.0011	0.0022	OK	23.81	79%	*
ALDRIN #2	2.6466	2.6474	0.0007	0.0017	OK	30.10	100%	OK
HEPTACHLOR EPOXIDE #2	3.0732	3.0740	0.0008	0.0016	OK	30.06	100%	OK
G-CHLORDANE #2	3.1671	3.1679	0.0009	0.0018	OK	27.73	92%	OK
A-CHLORDANE #2	3.2629	3.2635	0.0006	0.0019	OK	22.90	76%	*
ENDOSULFAN I #2	3.3639	3.3647	0.0007	0.0011	OK	27.68	92%	OK
4,4-DDE #2	3.3297	3.3310	0.0013	0.0029	OK	30.61	102%	OK
DIELDRIN #2	3.5452	3.5459	0.0007	0.0015	OK	29.17	97%	OK
ENDRIN #2	3.7215	3.7225	0.0010	0.0012	OK	24.68	82%	✓ ok
4,4-DDD #2	3.7902	3.7917	0.0015	0.0117	OK	35.41	118%	✓ ok
ENDOSULFAN II #2	3.8975	3.8985	0.0010	0.0021	OK	29.44	98%	OK
4,4-DDT #2	4.0091	4.0104	0.0012	0.0064	OK	13.14	44%	*
ENDRIN ALDEHYDE #2	4.2285	4.2295	0.0011	0.0023	OK	28.82	96%	OK
ENODOSULFAN SULFATE #2	4.5785	4.5794	0.0009	0.0025	OK	28.90	96%	OK
METHOXYCHLOR #2	4.4131	4.4150	0.0019	0.0136	OK	14.02	47%	*
ENDRIN KETONE #2	4.8011	4.8020	0.0009	0.0021	OK	25.90	86%	OK
DCB #2	5.4962	5.4972	0.0011	0.0038	OK	28.56	95%	OK

3101310

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20101SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 10:53 am
Operator : AR
Sample : P5532 PEST 30
Misc :
ALS Vial : 23 Sample Multiplier: 1

10/17/10

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 22:01:57 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	1.974	1.655	109.5E6	214.2E6	30.029	29.901
Spiked Amount 100.000 Range 46 - 122 Recovery = 30.03%# 29.90%#						
23) S DCB	6.203	5.496	60028189	154.5E6	28.944	28.558
Spiked Amount 100.000 Range 40 - 135 Recovery = 28.94%# 28.56%#						
Target Compounds						
2) TM HEXACHLOR...	2.299	1.860	121.4E6	240.2E6	29.279	29.514
3) TM A-BHC	2.388	1.950	155.0E6	329.2E6	28.924	29.577
4) TM G-BHC	2.654	2.137	136.6E6	288.9E6	28.149	28.767
5) TM B-BHC	2.715	2.191	62978561	118.8E6	29.753	28.095
6) TM D-BHC	2.947	2.306	139.2E6	292.3E6	28.873	28.874
7) TM HEPTACHLOR	2.999	2.442	101.9E6	238.7E6	23.289	23.810
8) TM ALDRIN	3.261	2.647	120.5E6	281.7E6	29.314	30.099
9) TM HEPTACHLO...	3.720	3.073	114.6E6	261.5E6	29.474	30.058
10) TM G-CHLORDANE	3.886	3.167	221.1E6	247.5E6	51.977	27.733 #
11) TM A-CHLORDANE	3.997	3.263	110.3E6	193.4E6	28.770	22.905
12) TM ENDOSULFAN I	4.047	3.364	100.1E6	238.9E6	28.574	27.681
13) TM 4,4-DDE	4.132	3.330	106.8E6	235.1E6	28.578	30.611
14) TM DIELDRIN	4.276	3.545	110.9E6	261.7E6	28.298	29.167
15) TM ENDRIN	4.533	3.722	87194050	204.6E6	24.529	24.680
16) TM 4,4-DDD	4.622	3.790	106.4E6	238.1E6	34.274	35.414
17) TM ENDOSULFA...	4.714	3.897	106.7E6	230.0E6	31.202	29.436
18) TM 4,4-DDT	4.881	4.009	42688381	102.1E6	13.110	13.145
19) TM ENDRIN AL...	4.981	4.228	71403980	163.1E6	29.721	28.825
20) TM ENODOSULF...	5.180	4.578	78375041	192.9E6	29.060	28.902
21) TM METHOXYCHLOR	5.365	4.413	23650284	58203590	13.990	14.021
22) TM ENDRIN KE...	5.531	4.801	93269914	215.0E6	27.856	25.902

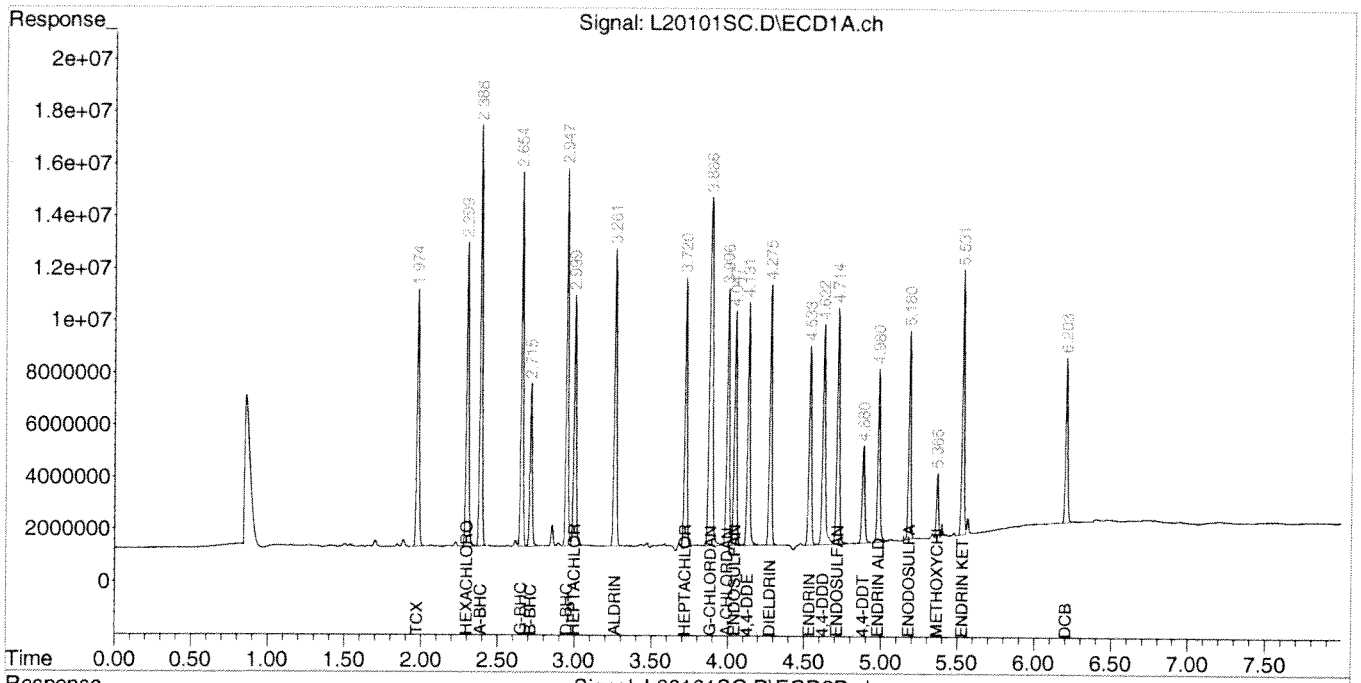
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

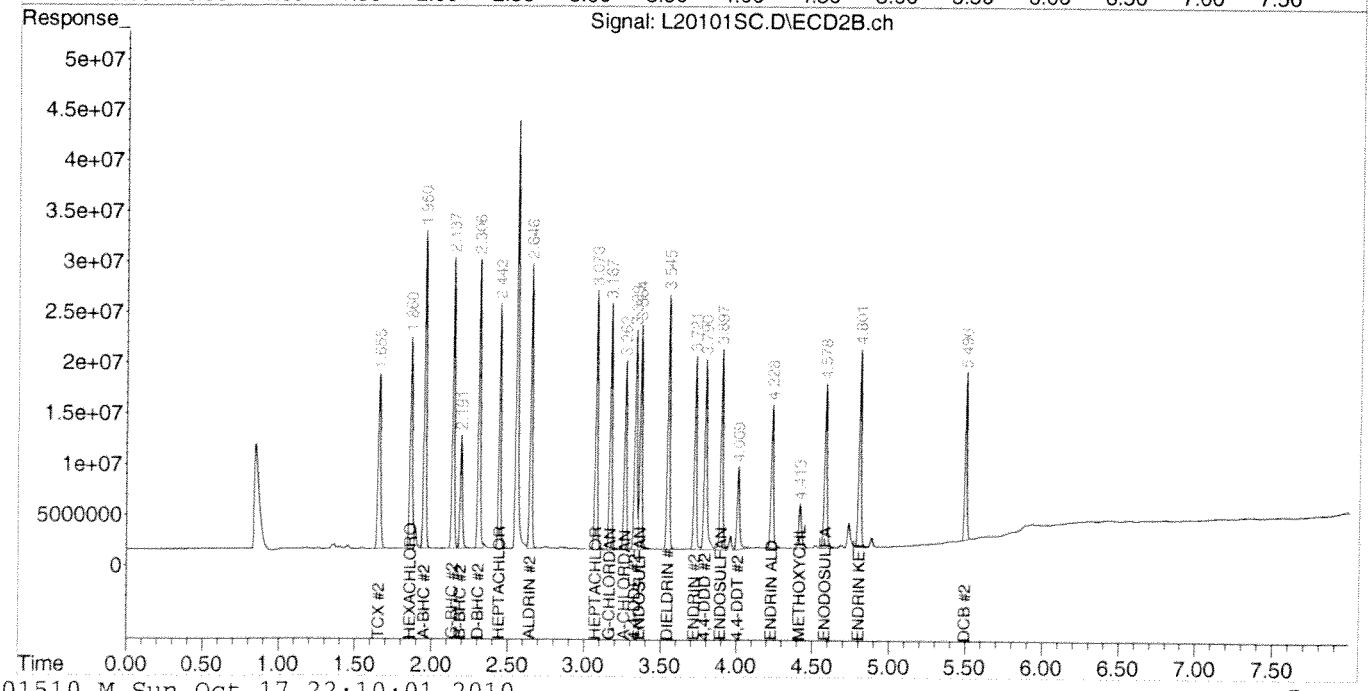
J101810

Data Path : C:\msdchem\1\DATA\101510-L\
Data File : L20101SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 10 10:53 am
Operator : AR
Sample : P5532 PEST 30
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 17 22:01:57 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





PM 10/18/10

Data File Name L20108SC.D
Date Acquired 10/18/2010 15:19
Sample Name P5532 PEST 30

Name	Ret Time	Expected Ret Time	RT Difference	Window	RT Pass	Amount	Recovery	Recovery Pass
TCX	1.9806	1.9750	0.0056	0.0101	OK	29.19	97%	OK
HEXACHLOROBENZENE	2.3068	2.3001	0.0068	0.0132	OK	28.72	96%	OK
A-BHC	2.3963	2.3892	0.0071	0.0144	OK	28.85	96%	OK
G-BHC	2.6629	2.6551	0.0078	0.0160	OK	28.94	96%	OK
B-BHC	2.7241	2.7162	0.0079	0.0170	OK	29.23	97%	OK
D-BHC	2.9562	2.9482	0.0081	0.0178	OK	29.00	97%	OK
HEPTACHLOR	3.0086	3.0004	0.0082	0.0175	OK	29.12	97%	OK
ALDRIN	3.2701	3.2617	0.0084	0.0175	OK	29.25	98%	OK
HEPTACHLOR EPOXIDE	3.7293	3.7211	0.0082	0.0182	OK	29.57	99%	OK
G-CHLORDANE	3.8872	3.8891	0.0019	0.0177	OK	22.98	77%	* INT.
A-CHLORDANE	4.0062	3.9978	0.0084	0.0178	OK	29.27	98%	OK
ENDOSULFAN I	4.0565	4.0484	0.0082	0.0179	OK	29.48	98%	OK
4,4-DDE	4.1414	4.1331	0.0083	0.0182	OK	29.18	97%	OK
DIELDRIN	4.2846	4.2770	0.0076	0.0188	OK	29.27	98%	OK
ENDRIN	4.5424	4.5346	0.0078	0.0184	OK	30.06	100%	OK
4,4-DDD	4.6315	4.6235	0.0080	0.0168	OK	30.08	100%	OK
ENDOSULFAN II	4.7225	4.7154	0.0071	0.0177	OK	29.23	97%	OK
4,4-DDT	4.8897	4.8828	0.0069	0.0145	OK	29.24	97%	OK
ENDRIN ALDEHYDE	4.9882	4.9821	0.0060	0.0150	OK	30.31	101%	OK
ENODOSULFAN SULFATE	5.1871	5.1812	0.0059	0.0142	OK	31.76	106%	OK
METHOXYCHLOR	5.3718	5.3665	0.0053	0.0123	OK	31.82	106%	OK
ENDRIN KETONE	5.5371	5.5322	0.0049	0.0120	OK	30.54	102%	OK
DCB	6.2076	6.2043	0.0033	0.0112	OK	32.45	108%	OK
TCX #2	1.6541	1.6559	0.0019	0.0054	OK	29.29	98%	OK
HEXACHLOROBENZENE #2	1.8594	1.8612	0.0019	0.0038	OK	29.07	97%	OK
A-BHC #2	1.9499	1.9513	0.0014	0.0038	OK	29.41	98%	OK
G-BHC #2	2.1370	2.1382	0.0013	0.0029	OK	29.68	99%	OK
B-BHC #2	2.1907	2.1923	0.0016	0.0025	OK	28.42	95%	OK
D-BHC #2	2.3057	2.3070	0.0014	0.0025	OK	29.48	98%	OK
HEPTACHLOR #2	2.4427	2.4436	0.0009	0.0022	OK	30.11	100%	OK
ALDRIN #2	2.6464	2.6474	0.0010	0.0017	OK	29.91	100%	OK
HEPTACHLOR EPOXIDE #2	3.0735	3.0740	0.0006	0.0016	OK	30.15	100%	OK
G-CHLORDANE #2	3.1675	3.1679	0.0005	0.0018	OK	29.93	100%	OK
A-CHLORDANE #2	3.2644	3.2635	0.0009	0.0019	OK	30.68	102%	OK
ENDOSULFAN I #2	3.3643	3.3647	0.0004	0.0011	OK	29.35	98%	OK
4,4-DDE #2	3.3307	3.3310	0.0004	0.0029	OK	30.59	102%	OK
DIELDRIN #2	3.5455	3.5459	0.0004	0.0015	OK	30.16	101%	OK
ENDRIN #2	3.7220	3.7225	0.0005	0.0012	OK	30.91	103%	OK
4,4-DDD #2	3.7922	3.7917	0.0005	0.0117	OK	31.37	105%	OK
ENDOSULFAN II #2	3.8979	3.8985	0.0006	0.0021	OK	29.73	99%	OK
4,4-DDT #2	4.0110	4.0104	0.0006	0.0064	OK	29.32	98%	OK
ENDRIN ALDEHYDE #2	4.2290	4.2295	0.0005	0.0023	OK	29.63	99%	OK
ENODOSULFAN SULFATE #2	4.5791	4.5794	0.0003	0.0025	OK	32.34	108%	OK
METHOXYCHLOR #2	4.4156	4.4150	0.0005	0.0136	OK	32.74	109%	OK
ENDRIN KETONE #2	4.8017	4.8020	0.0003	0.0021	OK	28.91	96%	OK
DCB #2	5.4976	5.4972	0.0004	0.0038	OK	30.32	101%	OK

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20108SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:19 pm
Operator : MAG/JLL
Sample : P5532 PEST 30
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:34:52 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

MC 10/18/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

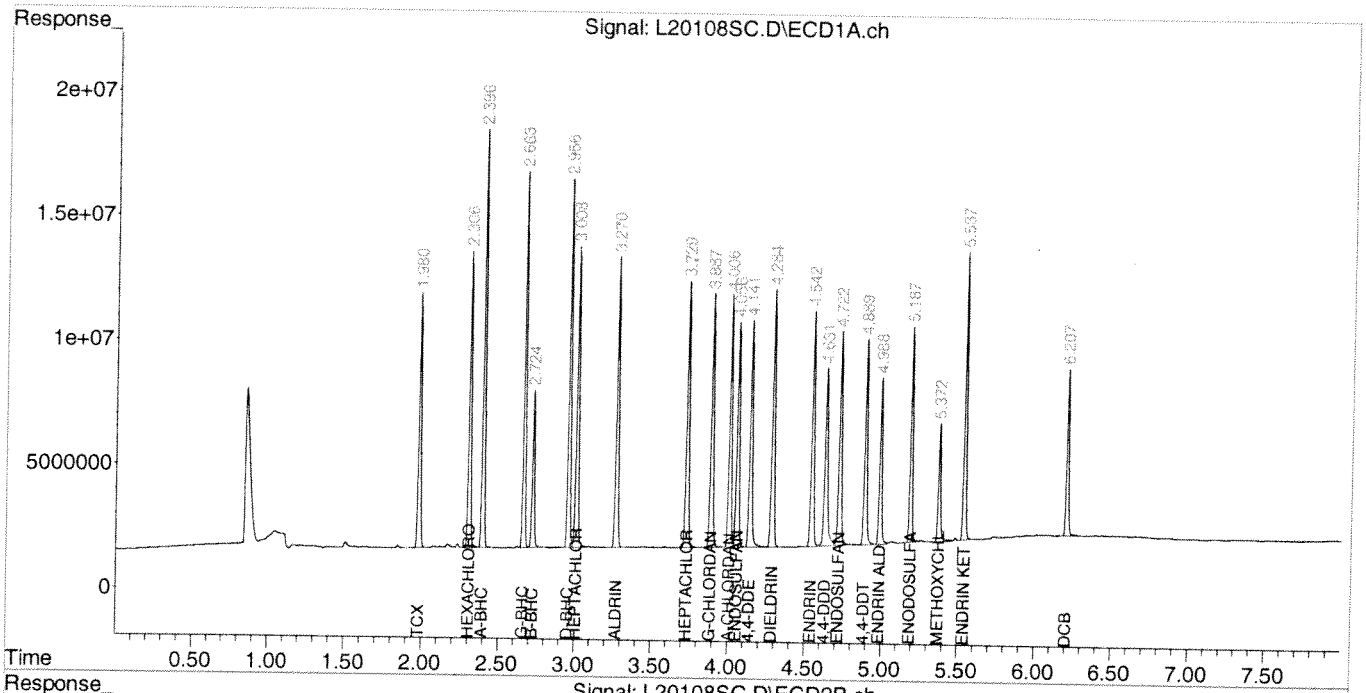
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) S TCX	1.981	1.654	106.6E6	210.0E6	29.192	29.292
Spiked Amount 100.000	Range	46 - 122	Recovery	=	29.19%#	29.29%#
23) S DCB	6.208	5.498	66910718	164.4E6	32.447	30.321
Spiked Amount 100.000	Range	40 - 135	Recovery	=	32.45%#	30.32%#
Target Compounds						
2) TM HEXACHLOR...	2.307	1.859	119.2E6	236.6E6	28.718	29.070
3) TM A-BHC	2.396	1.950	154.6E6	327.3E6	28.847	29.405
4) TM G-BHC	2.663	2.137	140.4E6	297.9E6	28.936	29.675
5) TM B-BHC	2.724	2.191	61950238	120.0E6	29.227	28.417
6) TM D-BHC	2.956	2.306	139.8E6	298.3E6	29.003	29.477
7) TM HEPTACHLOR	3.009	2.443	126.6E6	299.4E6	29.119	30.113
8) TM ALDRIN	3.270	2.646	120.3E6	280.0E6	29.252	29.910
9) TM HEPTACHLO...	3.729	3.073	114.9E6	262.3E6	29.572	30.148
10) TM G-CHLORDANE	3.887	3.167	114.7E6	266.8E6	22.984	29.935 #
11) TM A-CHLORDANE	4.006	3.264	112.1E6	259.5E6	29.267	30.678
12) TM ENDOSULFAN I	4.057	3.364	103.1E6	252.2E6	29.483	29.353
13) TM 4,4-DDE	4.141	3.331	109.0E6	235.0E6	29.178	30.594
14) TM DIELDRIN	4.285	3.545	114.5E6	270.3E6	29.265	30.161
15) TM ENDRIN	4.542	3.722	106.0E6	254.0E6	30.064	30.910
16) TM 4,4-DDD	4.631	3.792	93899051	211.0E6	30.075	31.374
17) TM ENDOSULFA...	4.723	3.898	100.4E6	232.2E6	29.233	29.734
18) TM 4,4-DDT	4.890	4.011	93800930	227.0E6	29.238	29.323
19) TM ENDRIN AL...	4.988	4.229	72735415	167.4E6	30.314	29.633
20) TM ENODOSULF...	5.187	4.579	85405766	215.3E6	31.765	32.345
21) TM METHOXYCHLOR	5.372	4.416	50482250	128.2E6	31.821m	32.737m
22) TM ENDRIN KE...	5.537	4.802	102.0E6	239.0E6	30.541	28.915m

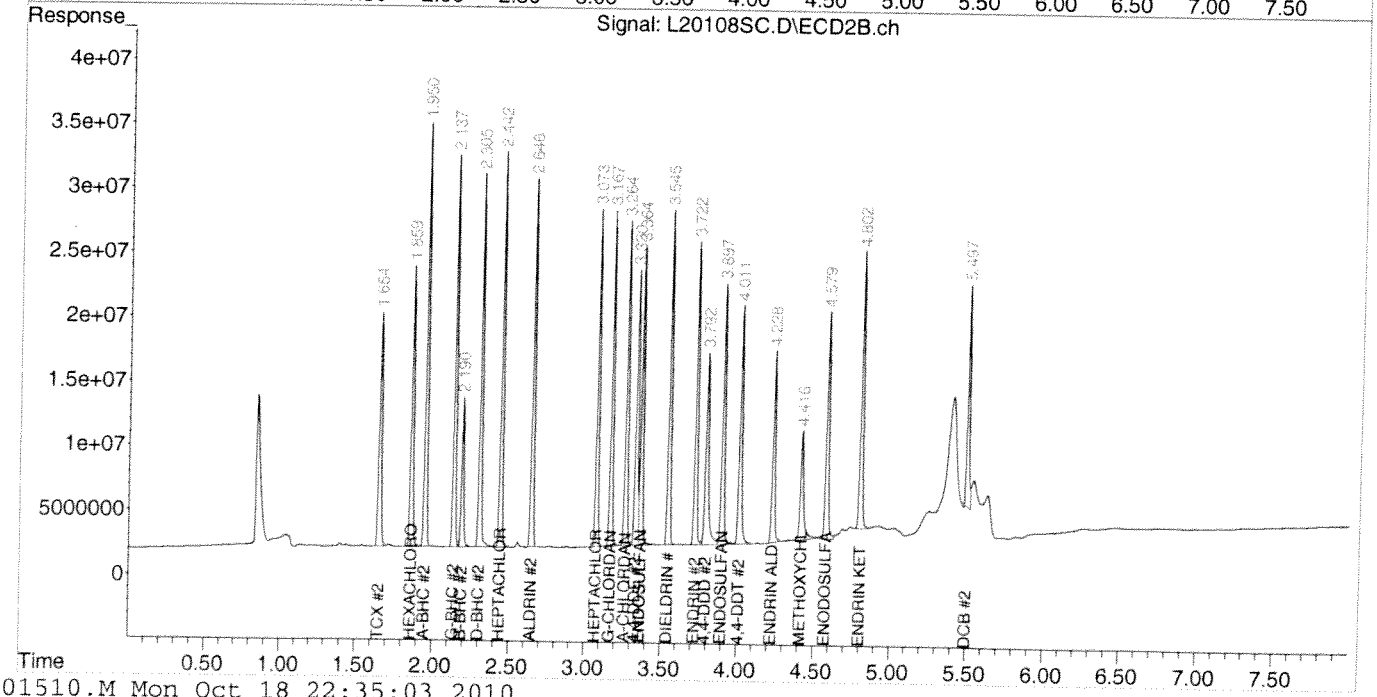
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20108SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:19 pm
Operator : MAG/JLL
Sample : P5532 PEST 30
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 22:34:52 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um



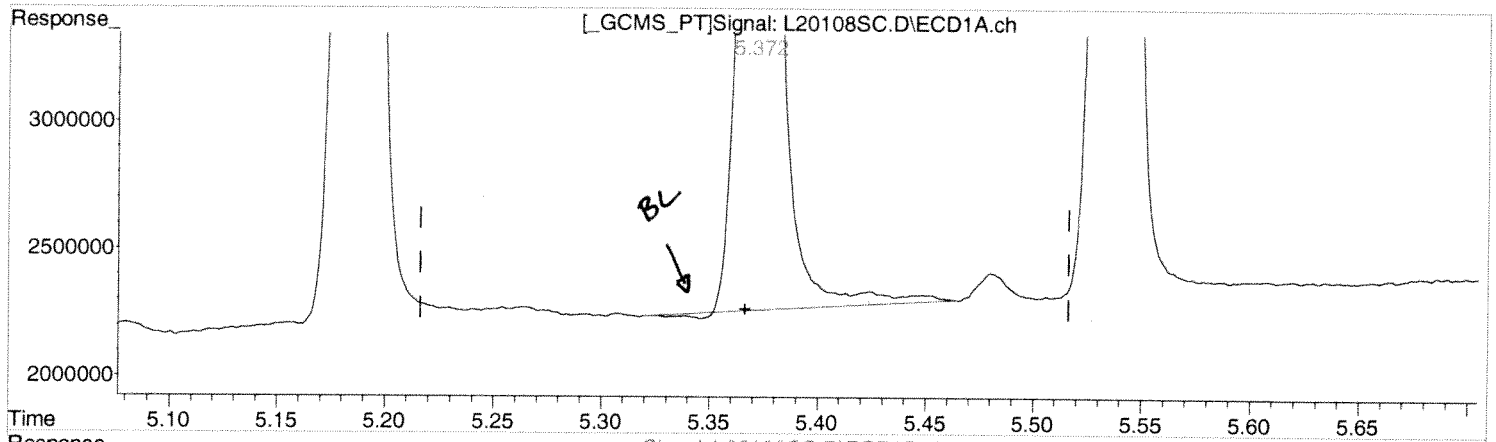


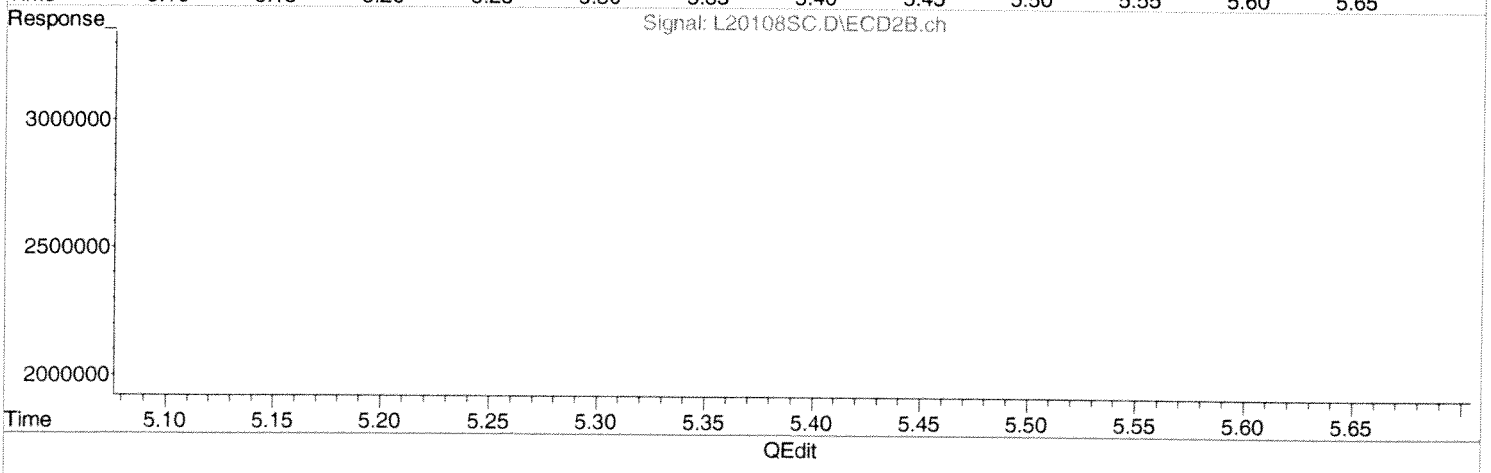
Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20108SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:19 pm
Operator : MAG/JLL
Sample : P5532 PEST 30
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 15:29:44 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





(21) METHOXYCHLOR (TM)

5.372min 30.631 ug/L

response 48690729

(21) METHOXYCHLOR #2 (TM)

4.416min 34.967 ug/L

response 136486303

10/18/10

(+) = Expected Retention Time

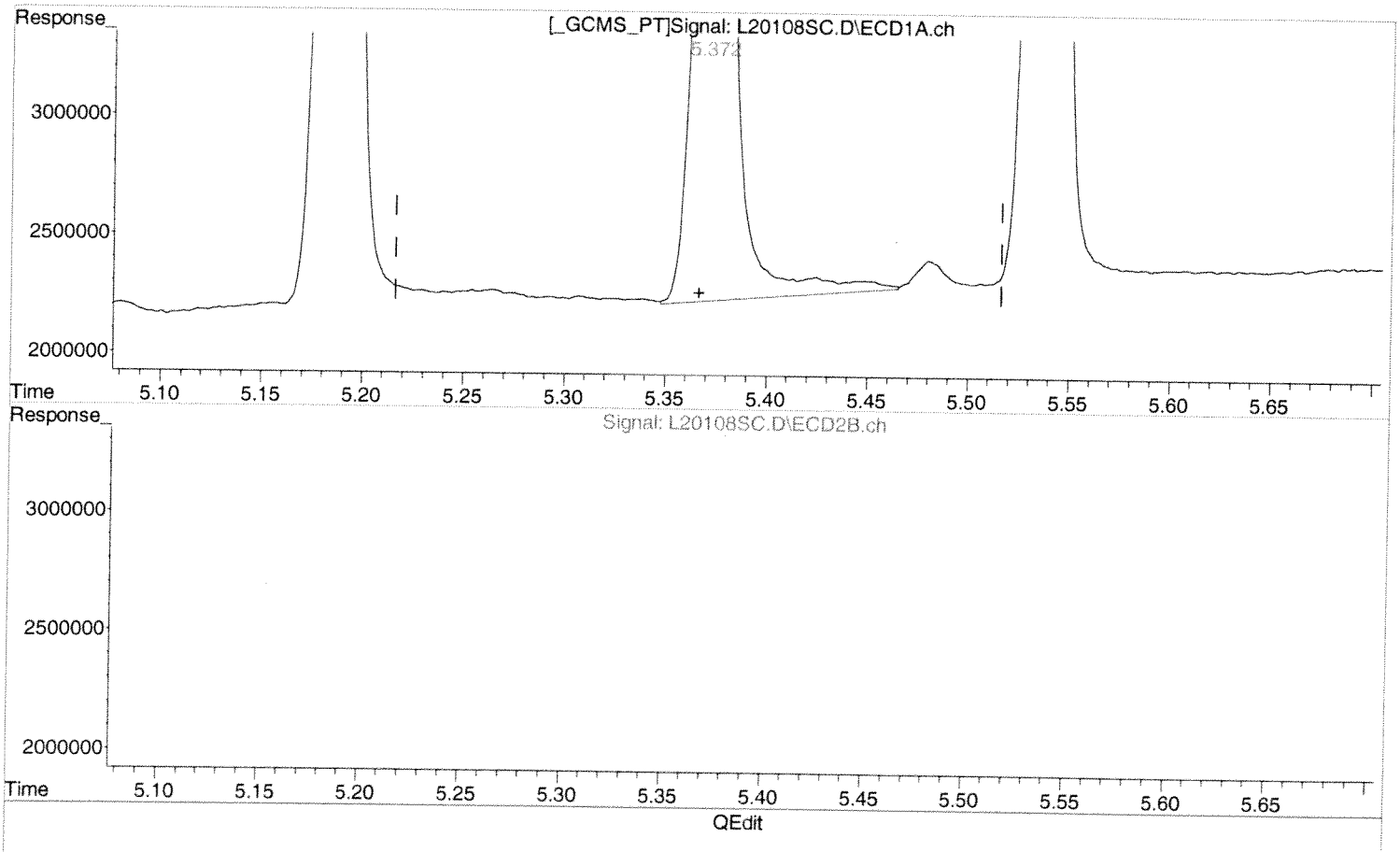
PT101510.M Mon Oct 18 15:32:43 2010

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20108SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:19 pm
Operator : MAG/JLL
Sample : P5532 PEST 30
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 15:29:44 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JLL 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um



(21) METHOXYCHLOR (TM)

5.372min 31.821 ug/L m

response 50482250

(21) METHOXYCHLOR #2 (TM)

4.416min 34.967 ug/L

response 136486303

10/18/10

(+) = Expected Retention Time

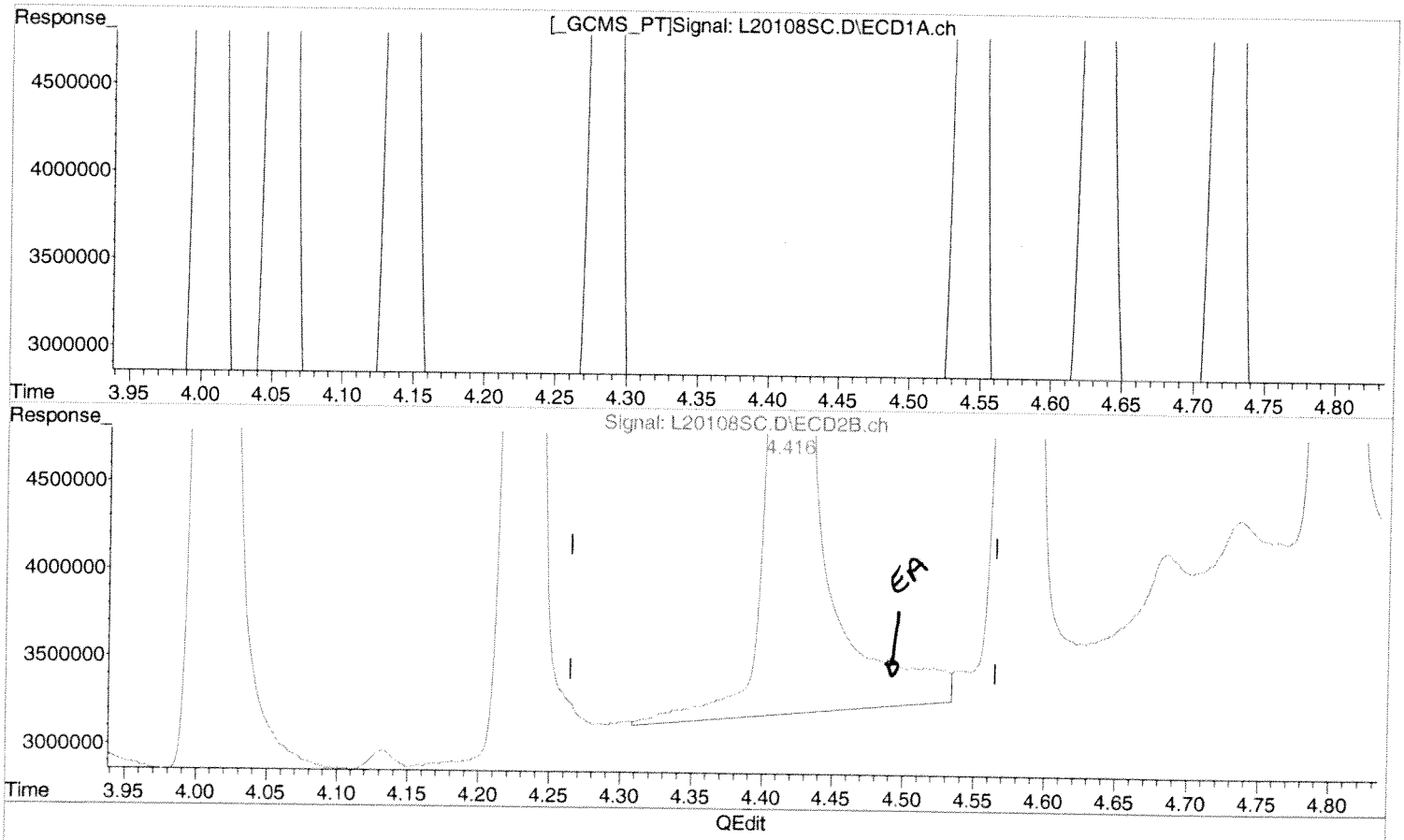
PT101510.M Mon Oct 18 15:33:06 2010

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20108SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:19 pm
Operator : MAG/JLL
Sample : P5532 PEST 30
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 15:29:44 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um



(21) METHOXYCHLOR (TM)
5.372min 31.821 ug/L m
response 50482250

(21) METHOXYCHLOR #2 (TM)
4.416min 34.967 ug/L
response 136486303

10/18/10

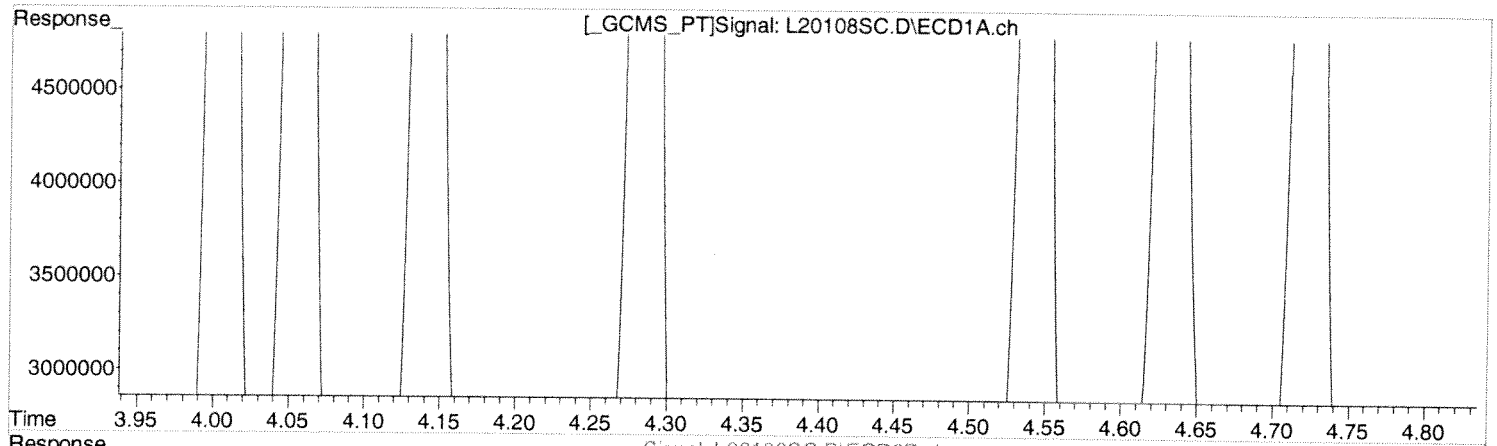
(+) = Expected Retention Time
PT101510.M Mon Oct 18 15:33:14 2010

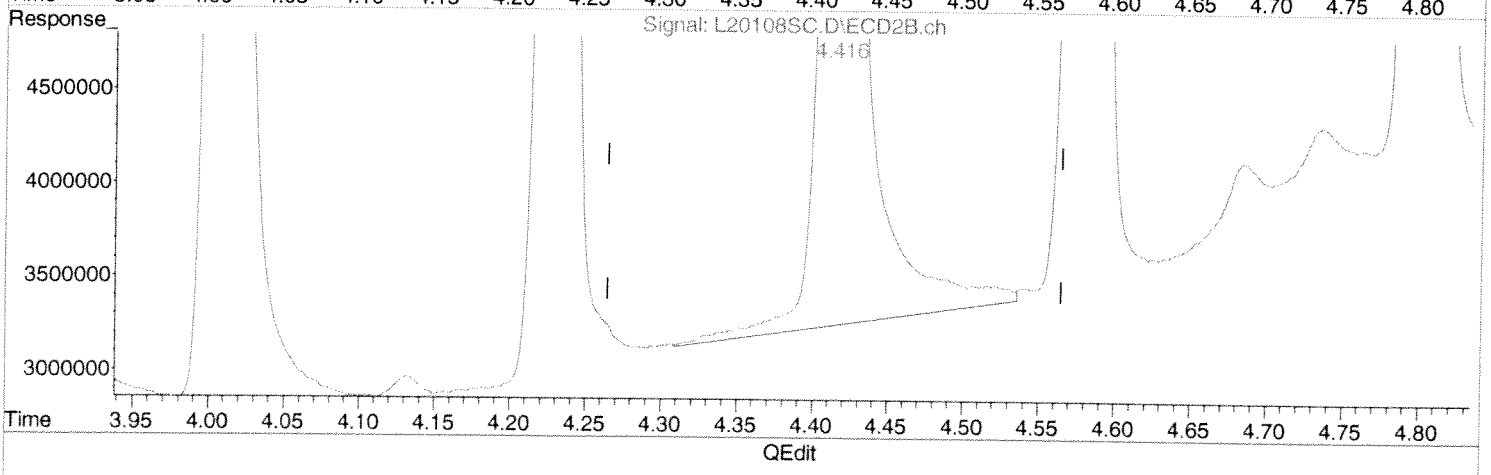
Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20108SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:19 pm
Operator : MAG/JLL
Sample : P5532 PEST 30
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 15:29:44 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.18.10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





(21) METHOXYCHLOR (TM)

5.372min 31.821 ug/L m

response 50482250

(21) METHOXYCHLOR #2 (TM)

4.416min 32.737 ug/L m

response 128151190

10/18/10

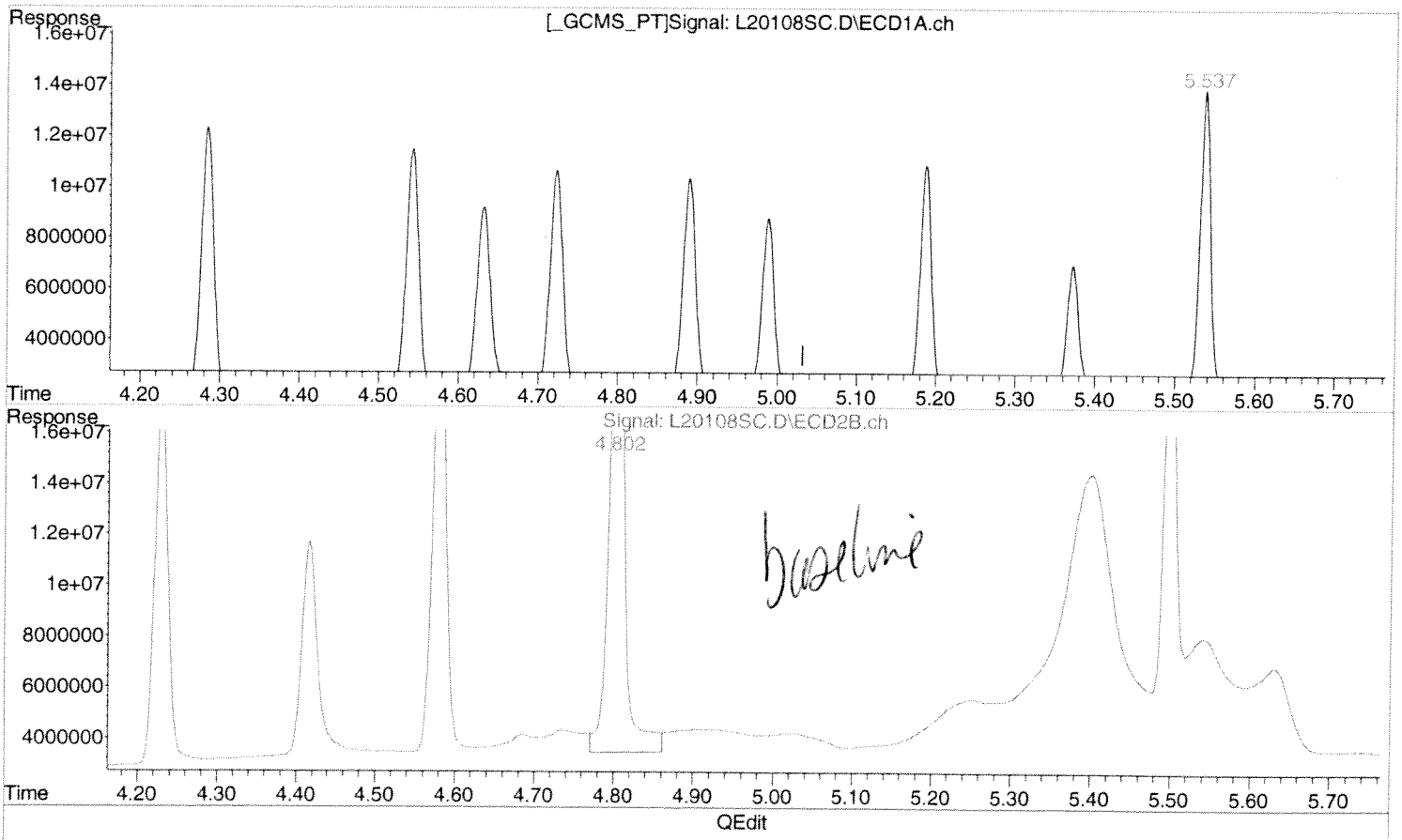
(+) = Expected Retention Time
PT101510.M Mon Oct 18 15:33:33 2010

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20108SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:19 pm
Operator : MAG/JLL
Sample : P5532 PEST 30
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 15:33:23 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

10/18/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um



(22) ENDRIN KETONE (TM)
5.537min 30.541 ug/L
response 101986449

(22) ENDRIN KETONE #2 (TM)
4.802min 33.804 ug/L
response 278050180

(+) = Expected Retention Time
PT101510.M Mon Oct 18 22:34:48 2010

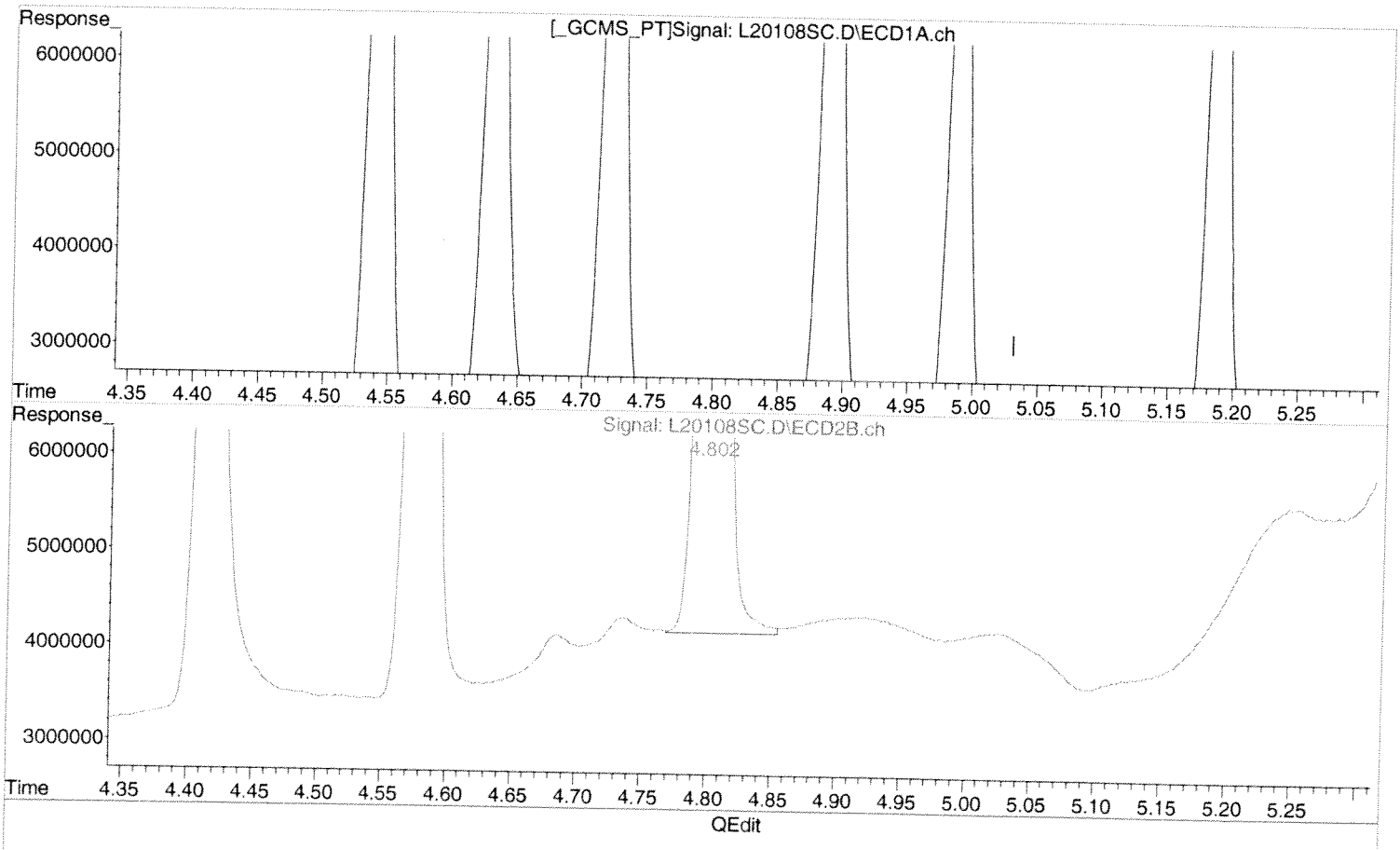
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20108SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:19 pm
Operator : MAG/JLL
Sample : P5532 PEST 30
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 15:33:23 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

10/18/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um



(22) ENDRIN KETONE (TM)

5.537min 30.541 ug/L

response 101986449

(22) ENDRIN KETONE #2 (TM)

4.802min 28.915 ug/L m

response 239038805

(+) = Expected Retention Time

PT101510.M Mon Oct 18 22:34:55 2010

CHLORDANE/TOXAPHENE
CONTINUING CALIBRATION

Instrument ID: L
GC Column #1: RTX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: RTX-CLPesticides II
Column ID: 0.25 mm

JW 10.18.10

SDG:
Standard ID: P5441 C/T 0.25/0.5
Data File ID: L20109SC.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.239	96		0.241	96	
Toxaphene	0.457	91		0.480	96	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

JW 10/18/10

CHLORDANE/TOXAPHENE FORM 7

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20109SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:30 pm
Operator : MAG/JLL
Sample : P5441 C/T 0.25/0.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 15:39:53 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

JLL 10.18.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
Target Compounds						
1) L1M Chlordane-1	2.886	2.387	36177404	65489315	0.238	0.237
2) L1M Chlordane-2	3.001	2.442	44813931	95359814	0.235	0.235
3) L1M Chlordane-3	3.375	2.736	37954114	68376015	0.242	0.244
4) L1M Chlordane-4	3.788	3.027	41148990	62154629	0.251	0.240
5) L1M G-Chlordane	3.954	3.165	101.6E6	275.4E6	0.235	0.243
6) L1M A-Chlordane	3.998	3.258	88097264	418.3E6	0.235	0.244
Sum Chlordane-1			349.8E6	985.1E6	1.437	1.443
Average Chlordane-1					0.239	0.241
7) L2M Toxaphene-1	4.400	3.495	26480194	58418171	0.468	0.486
8) L2M Toxaphene-2	4.702	3.550	45868529	56127536	0.466	0.483
9) L2M Toxaphene-3	4.755	3.752	41442895	164.5E6	0.466	0.480
10) L2M Toxaphene-4	4.784	3.889	72819552	145.3E6	0.461	0.485
11) L2M Toxaphene-5	4.988	4.161	54809686	131.3E6	0.460	0.474
12) L2M Toxaphene-6	5.380	4.419	23325064	136.7E6	0.445	0.472
13) L2M Toxaphene-7	5.413	4.496	19985413	116.4E6	0.432	0.480
Sum Toxaphene-1			284.7E6	808.7E6	3.199	3.361
Average Toxaphene-1					0.457	0.480

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

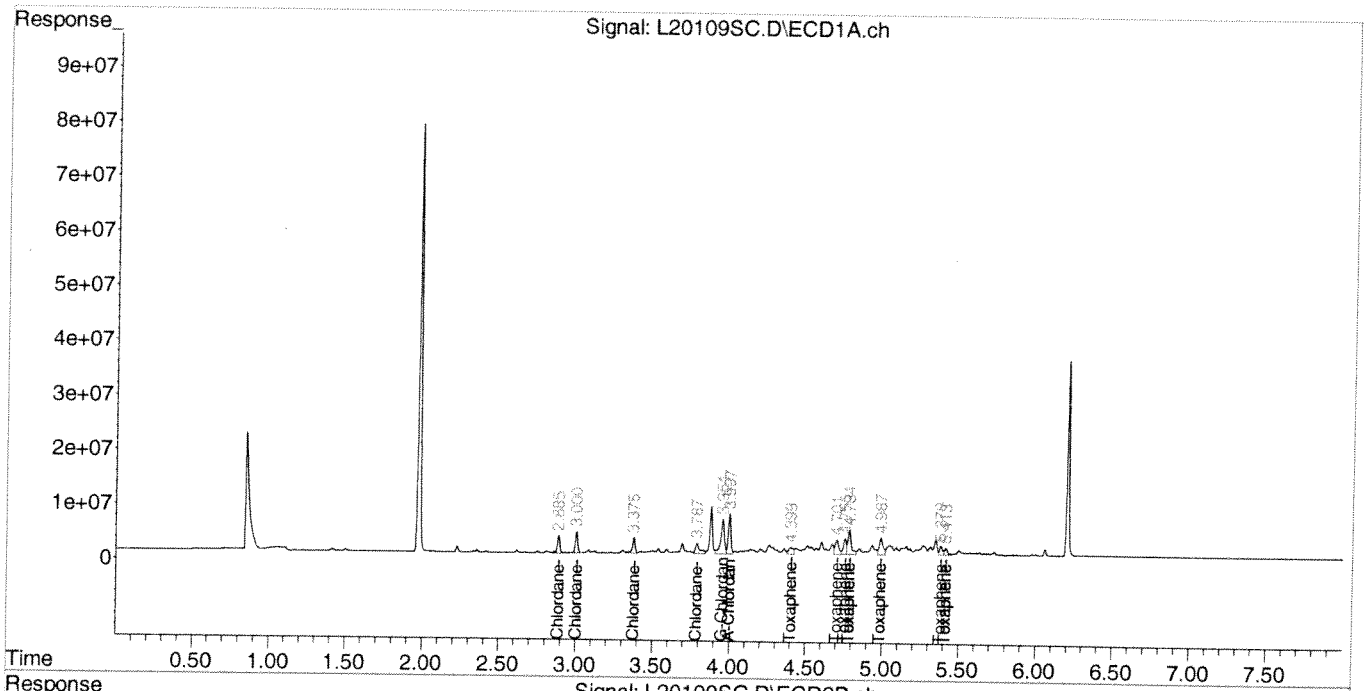
10/18/10

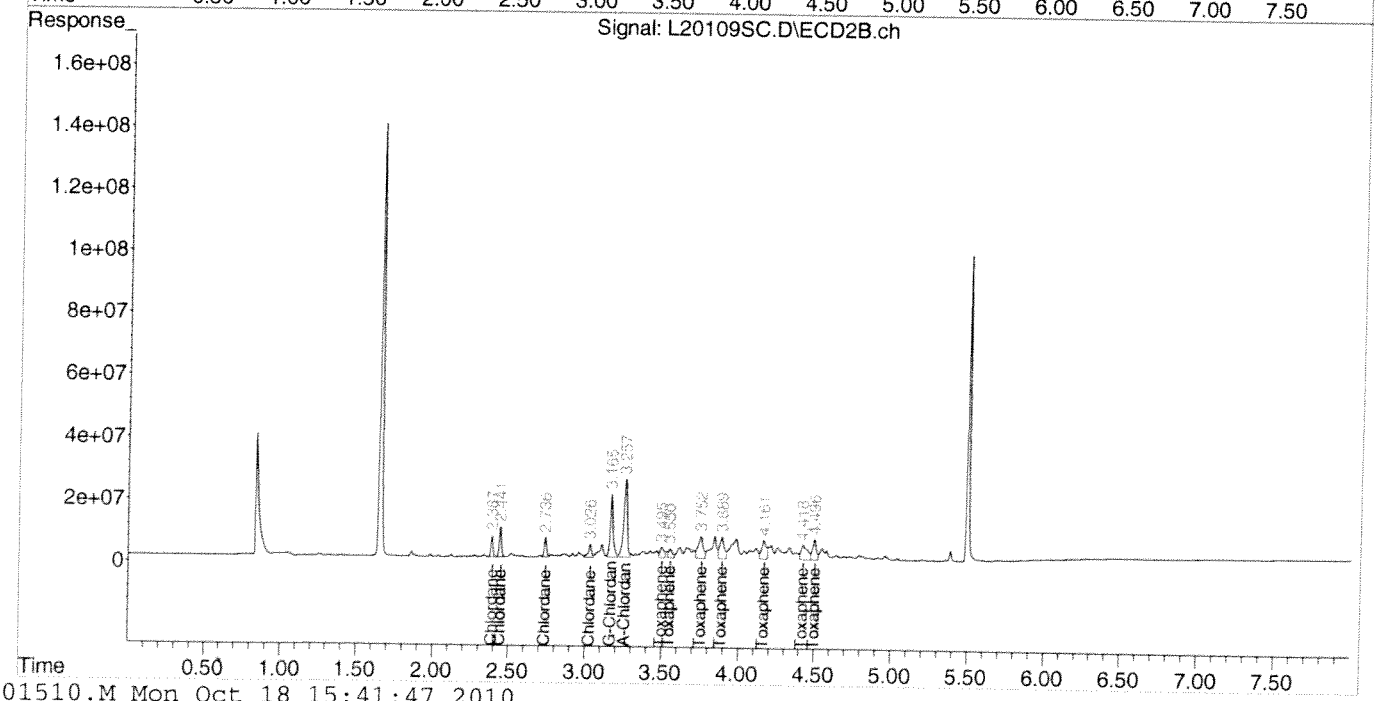
Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20109SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 3:30 pm
Operator : MAG/JLL
Sample : P5441 C/T 0.25/0.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 15:39:53 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.18.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





CHLORDANE/TOXAPHENE
CONTINUING CALIBRATION

10/18/10

Instrument ID: L

GC Column #1: RTX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: RTX-CLPesticides II

Column ID: 0.25 mm

SDG:

Standard ID: P5441 C/T 0.25/0.5

Data File ID: L20120SC.D

	Column #1			Column #2		
COMPOUND	STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
Chlordane	0.216	86		0.233	93	
Toxaphene	0.277	55	*	0.240	48	*

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits

* Values outside QC limits

Comments: RRL of window confirms failures

10.19.10

CHLORDANE/TOXAPHENE FORM 7

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20120SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 5:30 pm
Operator : MAG/JLL
Sample : P5441 C/T 0.25/0.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 22:01:30 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

MN 10/18/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
Target Compounds							
1) L1M Chlordane-1	2.881	2.387	36290261	66190156	0.239	0.240	
2) L1M Chlordane-2	2.996	2.440	37512528	70695356	0.195	0.175	
3) L1M Chlordane-3	3.370	2.735	41711934	66099067	0.267	0.236	
4) L1M Chlordane-4	3.784	3.026	25658477	81911456	0.163	0.316	#
5) L1M G-Chlordane	3.949	3.165	86989431	233.4E6	0.200	0.206	
6) L1M A-Chlordane	3.993	3.257	86876141	381.7E6	0.232	0.223	
Sum Chlordane-1			315.0E6	899.9E6	1.296	1.395	
Average Chlordane-1					0.216	0.233	
7) L2M Toxaphene-1	4.396	3.502	14012135	24505344	0.251	0.205	
8) L2M Toxaphene-2	4.697	3.549	36858197	39746801	0.375	0.341	
9) L2M Toxaphene-3	4.779	3.750	51629897	106.1E6	0.580	0.310	#
10) L2M Toxaphene-4	4.779	3.887	51629897	77313065	0.328	0.259	
11) L2M Toxaphene-5	4.984	4.160	22526642	74491362	0.193	0.272	#
12) L2M Toxaphene-6	5.376	4.416	5276900	37501580	0.110	0.138	#
13) L2M Toxaphene-7	5.410	4.495	3223991	36663591	0.100	0.154	#
Sum Toxaphene-1			185.2E6	396.3E6	1.937	1.680	
Average Toxaphene-1					0.277	0.240	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

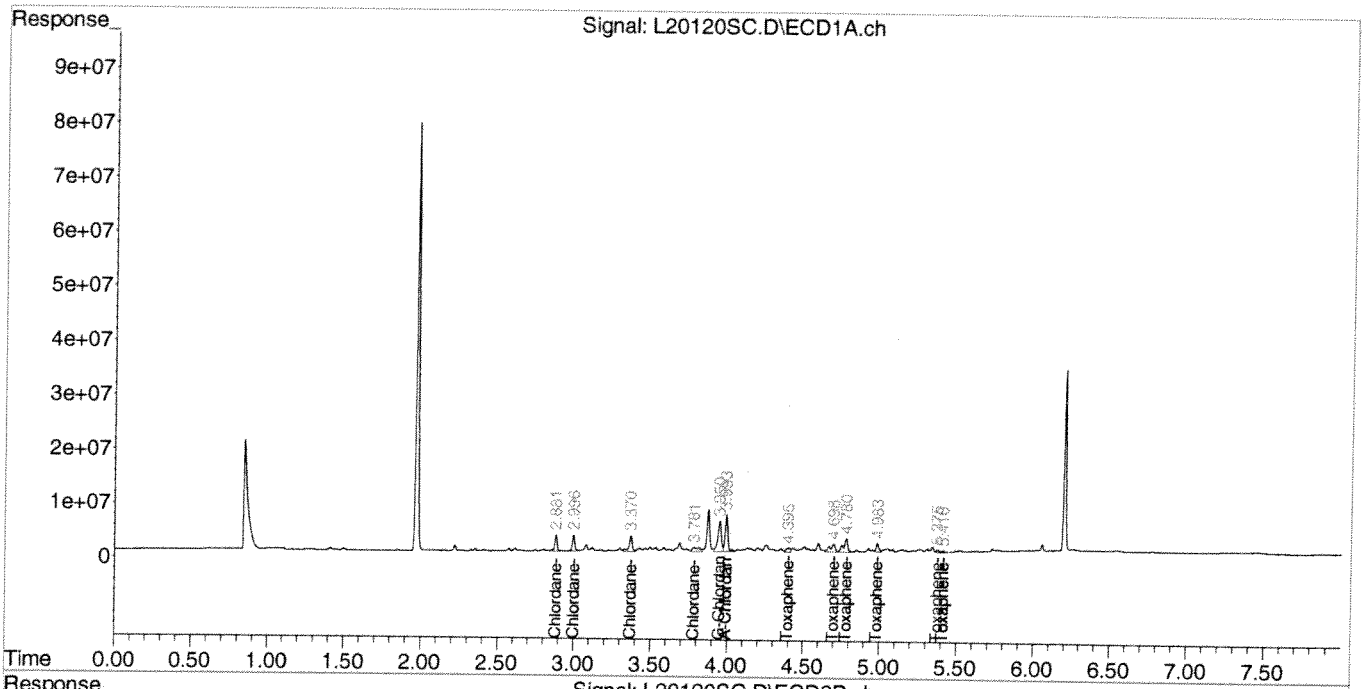
10/29/10

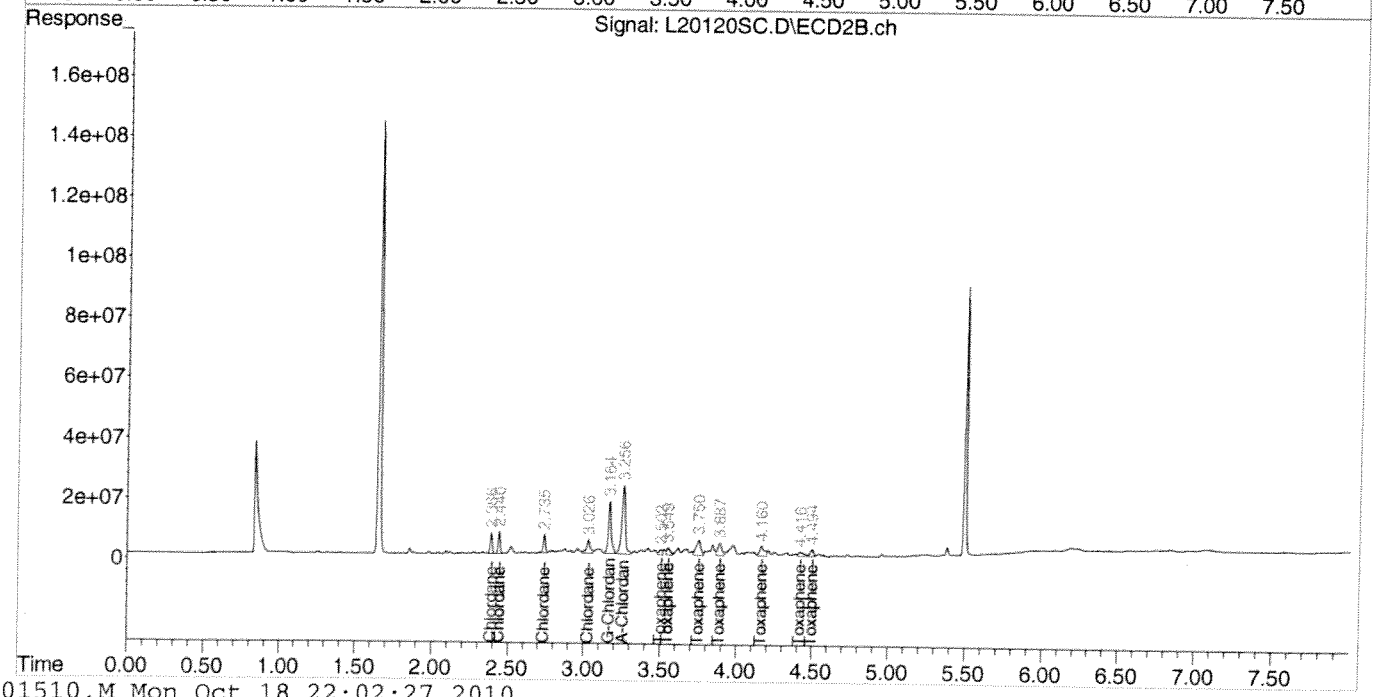
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20120SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 5:30 pm
Operator : MAG/JLL
Sample : P5441 C/T 0.25/0.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PCBINT.E
Integration File signal 2: PCBINT2.E
Quant Time: Oct 18 22:01:30 2010
Quant Method : C:\msdchem\1\METHODS\CT101510.M
Quant Title : SW-846 8081A/EPA 608 CHLORDANE/TOXAPHENE
QLast Update : Sun Oct 17 21:53:59 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPesticides2 Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30mx 0.25 mm , 0. Signal #2 Info : 30mx 0.25 mm , 0.25um film





10/18/10

Data File Name L20121SC.D
Date Acquired 10/18/2010 17:41
Sample Name P5532 PEST 30

Name	Ret Time	Expected Ret Time	RT Difference	Window	RT Pass	Amount	Recovery	Recovery Pass
TCX	1.9716	1.9750	0.0034	0.0101	OK	28.96	97%	OK
HEXACHLOROBENZENE	2.2966	2.3001	0.0034	0.0132	OK	28.24	94%	OK
A-BHC	2.3857	2.3892	0.0035	0.0144	OK	28.04	93%	OK
G-BHC	2.6516	2.6551	0.0036	0.0160	OK	26.78	89%	OK
B-BHC	2.7129	2.7162	0.0033	0.0170	OK	28.30	94%	OK
D-BHC	2.9448	2.9482	0.0034	0.0178	OK	27.57	92%	OK
HEPTACHLOR	2.9965	3.0004	0.0039	0.0175	OK	20.89	70%	*
ALDRIN	3.2581	3.2617	0.0036	0.0175	OK	28.38	95%	OK
HEPTACHLOR EPOXIDE	3.7171	3.7211	0.0039	0.0182	OK	27.30	91%	OK
G-CHLORDANE	3.8747	3.8891	0.0144	0.0177	OK	21.18	71%	*
A-CHLORDANE	3.9936	3.9978	0.0042	0.0178	OK	27.33	91%	OK
ENDOSULFAN I	4.0440	4.0484	0.0044	0.0179	OK	27.74	92%	OK
4,4-DDE	4.1290	4.1331	0.0041	0.0182	OK	27.56	92%	OK
DIELDRIN	4.2724	4.2770	0.0046	0.0188	OK	27.60	92%	OK
ENDRIN	4.5302	4.5346	0.0044	0.0184	OK	20.13	67%	*
4,4-DDD	4.6195	4.6235	0.0040	0.0168	OK	31.30	104%	OK
ENDOSULFAN II	4.7110	4.7154	0.0044	0.0177	OK	30.79	103%	OK
4,4-DDT	4.8780	4.8828	0.0048	0.0145	OK	9.40	31%	*
ENDRIN ALDEHYDE	4.9780	4.9821	0.0041	0.0150	OK	28.50	95%	OK
ENODOSULFAN SULFATE	5.1773	5.1812	0.0040	0.0142	OK	26.68	89%	OK
METHOXYCHLOR	5.3628	5.3665	0.0037	0.0123	OK	9.09	30%	*
ENDRIN KETONE	5.5287	5.5322	0.0035	0.0120	OK	21.80	73%	*
DCB	6.2003	6.2043	0.0040	0.0112	OK	29.87	100%	OK

DOD/MCP ±20%

TCX #2	1.6527	1.6559	0.0032	0.0054	OK	29.48	98%	OK
HEXACHLOROBENZENE #2	1.8580	1.8612	0.0033	0.0038	OK	29.18	97%	OK
A-BHC #2	1.9484	1.9513	0.0029	0.0038	OK	29.15	97%	OK
G-BHC #2	2.1351	2.1382	0.0032	0.0029	*	28.03	93%	OK
B-BHC #2	2.1894	2.1923	0.0029	0.0025	*	27.57	92%	OK
D-BHC #2	2.3045	2.3070	0.0025	0.0025	*	28.22	94%	OK
HEPTACHLOR #2	2.4403	2.4436	0.0033	0.0022	*	21.81	73%	*
ALDRIN #2	2.6444	2.6474	0.0029	0.0017	*	29.31	98%	OK
HEPTACHLOR EPOXIDE #2	3.0711	3.0740	0.0029	0.0016	*	29.28	98%	OK
G-CHLORDANE #2	3.1649	3.1679	0.0030	0.0018	*	27.56	92%	OK
A-CHLORDANE #2	3.2618	3.2635	0.0017	0.0019	OK	28.76	96%	OK
ENDOSULFAN I #2	3.3614	3.3647	0.0032	0.0011	*	27.68	92%	OK
4,4-DDE #2	3.3277	3.3310	0.0034	0.0029	*	29.55	98%	OK
DIELDRIN #2	3.5427	3.5459	0.0032	0.0015	*	28.43	95%	OK
ENDRIN #2	3.7192	3.7225	0.0033	0.0012	*	20.68	69%	*
4,4-DDD #2	3.7886	3.7917	0.0031	0.0117	OK	32.84	109%	OK
ENDOSULFAN II #2	3.8953	3.8985	0.0032	0.0021	*	26.93	90%	OK
4,4-DDT #2	4.0064	4.0104	0.0040	0.0064	OK	8.70	29%	*
ENDRIN ALDEHYDE #2	4.2262	4.2295	0.0033	0.0023	*	28.14	94%	OK
ENODOSULFAN SULFATE #2	4.5760	4.5794	0.0034	0.0025	*	28.22	94%	OK
METHOXYCHLOR #2	4.4112	4.4150	0.0038	0.0136	OK	10.08	34%	*
ENDRIN KETONE #2	4.7987	4.8020	0.0033	0.0021	*	22.23	74%	*
DCB #2	5.4942	5.4972	0.0030	0.0038	OK	29.49	98%	OK

RR of window confirms failures

10-19-10

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20121SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 5:41 pm
Operator : MAG/JLL
Sample : P5532 PEST 30
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 21:59:25 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

10/18/10

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
System Monitoring Compounds							
1) S TCX	1.972	1.653	105.8E6	211.3E6	28.956	29.481	
Spiked Amount	100.000	Range	46 - 122	Recovery	=	28.96%#	29.48%#
23) S DCB	6.200	5.494	61844043	159.7E6	29.868	29.487	
Spiked Amount	100.000	Range	40 - 135	Recovery	=	29.87%#	29.49%#
Target Compounds							
2) TM HEXACHLOR...	2.297	1.858	117.3E6	237.5E6	28.240	29.178	
3) TM A-BHC	2.386	1.948	150.2E6	324.4E6	28.036	29.150	
4) TM G-BHC	2.652	2.135	129.9E6	281.5E6	26.775	28.025	
5) TM B-BHC	2.713	2.189	60148240	116.7E6	28.304	27.570	
6) TM D-BHC	2.945	2.304	132.9E6	285.8E6	27.573	28.225	
7) TM HEPTACHLOR	2.997	2.440	91772820	219.4E6	20.895	21.815	
8) TM ALDRIN	3.258	2.644	116.8E6	274.6E6	28.377	29.311	
9) TM HEPTACHLO...	3.717	3.071	106.6E6	255.1E6	27.297	29.280	
10) TM G-CHLORDANE	3.875	3.165	108.1E6	246.0E6	21.180	27.555	#
11) TM A-CHLORDANE	3.994	3.262	105.1E6	243.1E6	27.331	28.756	
12) TM ENDOSULFAN I	4.044	3.361	97382736	238.8E6	27.741	27.677	
13) TM 4,4-DDE	4.129	3.328	103.1E6	226.7E6	27.555	29.545	
14) TM DIELDRIN	4.272	3.543	108.3E6	255.3E6	27.604	28.429	
15) TM ENDRIN	4.530	3.719	72243845	172.9E6	20.130	20.679	
16) TM 4,4-DDD	4.619	3.789	97541256	220.8E6	31.298	32.843	
17) TM ENDOSULFA...	4.711	3.895	105.4E6	211.7E6	30.785	26.933	
18) TM 4,4-DDT	4.878	4.006	30942244	67701833	9.403	8.695	
19) TM ENDRIN AL...	4.978	4.226	68656317	159.4E6	28.497	28.141	
20) TM ENODOSULF...	5.177	4.576	72179529	188.5E6	26.677	28.223	
21) TM METHOXYCHLOR	5.363	4.411	16278892	43462916	9.092	10.077	
22) TM ENDRIN KE...	5.529	4.799	73601673	185.7E6	21.799	22.230	

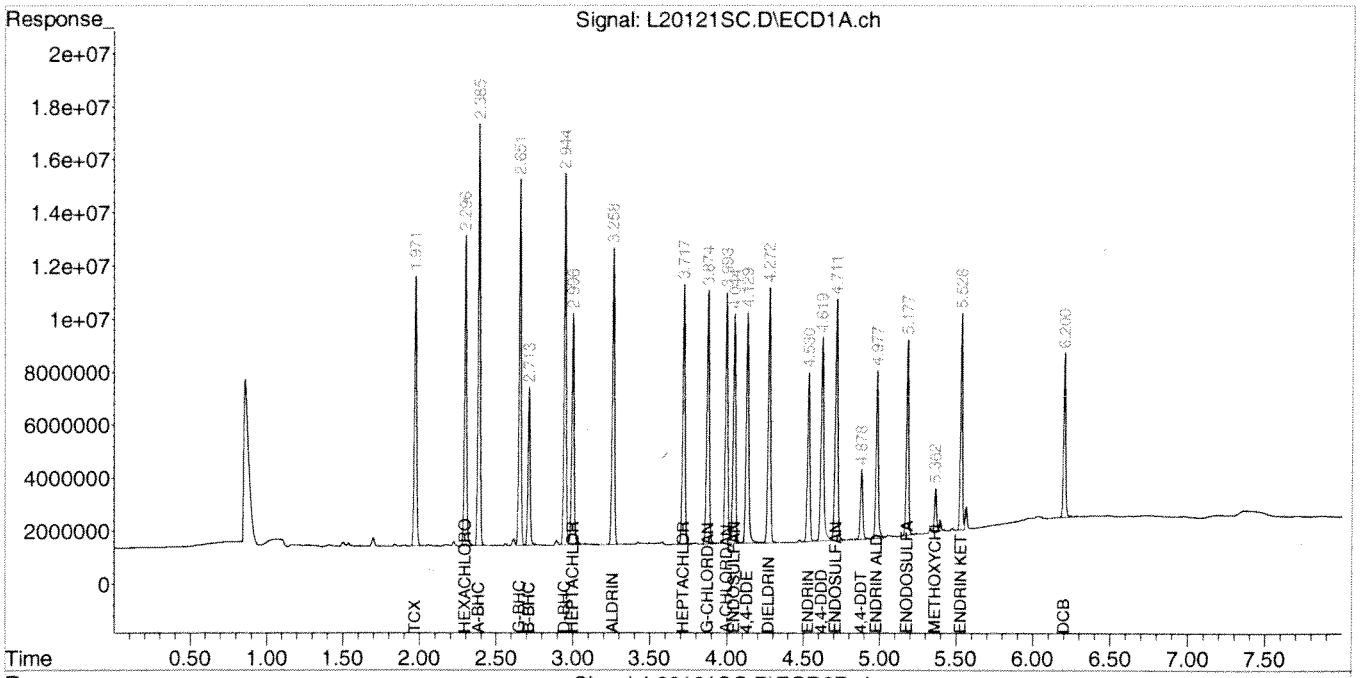
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

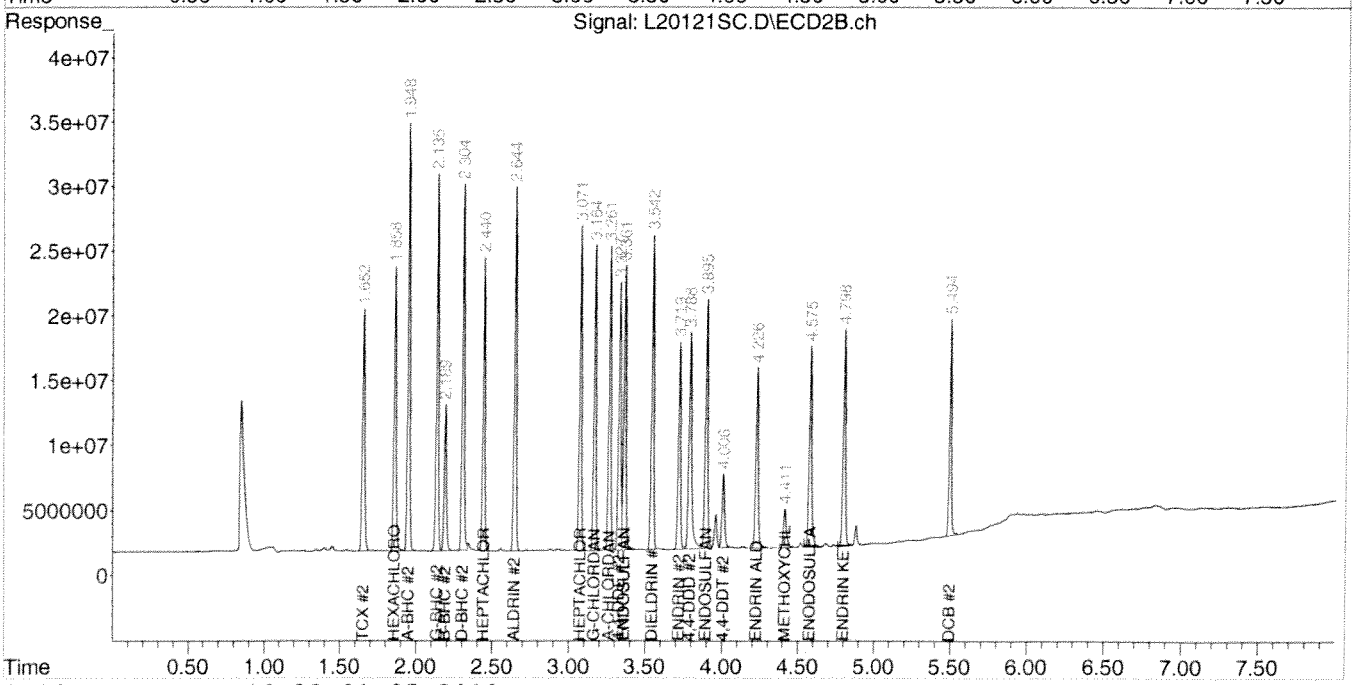
10.19.10

Data Path : C:\msdchem\1\DATA\101810-L\
Data File : L20121SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 10 5:41 pm
Operator : MAG/JLL
Sample : P5532 PEST 30
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 18 21:59:25 2010
Quant Method : C:\msdchem\1\METHODS\PT101510.M
Quant Title : SW-846 8081A/EPA 608 Pesticide Dual-Widebore
QLast Update : Sun Oct 17 21:34:54 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 ul
Signal #1 Phase : STX-CLPesticides Signal #2 Phase: STX-CLPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30m x 0.25mm x 0.25um





PESTICIDE
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5532 PEST 30	L20076SI.D	10/16/2010 6:35	1.97		6.20		1.66		5.50	
Upper Limit			2.03		6.23		1.72		5.53	
Lower limit			1.91		6.17		1.60		5.47	
SAMPLE ID										
P5528 PEST 2.5	L20070SI.D	10/16/2010 5:38	1.98		6.21		1.65		5.50	
P5528 PEST 2.5	L20071SI.D	10/16/2010 5:48	1.97		6.21		1.65		5.50	
P5529 PEST 5	L20073SI.D	10/16/2010 6:04	1.98		6.21		1.66		5.50	
P5530 PEST 10	L20074SI.D	10/16/2010 6:14	1.97		6.21		1.65		5.50	
P5531 PEST 20	L20075SI.D	10/16/2010 6:24	1.97		6.20		1.65		5.50	
P5532 PEST 30	L20076SI.D	10/16/2010 6:35	1.97		6.20		1.66		5.50	
P5533 PEST 50	L20077SI.D	10/16/2010 6:45	1.97		6.20		1.65		5.50	
P5534 PEST 100	L20078SI.D	10/16/2010 6:55	1.97		6.20		1.65		5.50	
P5535 PEST 150	L20079SI.D	10/16/2010 7:06	1.97		6.20		1.65		5.50	
P5537 PEST ICV 25	L20080CC.D	10/16/2010 7:16	1.97		6.20		1.66		5.50	
B101310PAS	L20089B.D	10/16/2010 8:49	1.97		6.20		1.65		5.50	
L101310PAST	L20090Q.D	10/16/2010 8:59	1.97		6.20		1.65		5.50	
LD101310PAST	L20091Q.D	10/16/2010 9:10	1.97		6.20		1.65		5.50	
67967-1	L20093.D	10/16/2010 9:30	1.97		6.20		1.65		5.50	
67967-2	L20094.D	10/16/2010 9:41	1.97		6.20		1.65		5.50	
67967-3	L20095.D	10/16/2010 9:51	1.97		6.20		1.65		5.50	
67967-4	L20096.D	10/16/2010 10:01	1.98		6.20		1.66		5.50	
67967-4,MS	L20097SP.D	10/16/2010 10:12	1.97		6.20		1.65		5.50	
67967-4,MSD	L20098SP.D	10/16/2010 10:22	1.97		6.20		1.65		5.50	
P5532 PEST 30	L20101SC.D	10/16/2010 10:53	1.97		6.20		1.65		5.50	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

PESTICIDE
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: L
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5532 PEST 30	L20108SC.D	10/18/2010 15:19	1.98		6.21		1.65		5.50	
Upper Limit			2.04		6.24		1.71		5.53	
Lower limit			1.92		6.18		1.59		5.47	
SAMPLE ID										
B101310PAS, RR	L20110B.D	10/18/2010 15:47	1.98		6.21		1.66		5.50	
L101310PAS,, RR	L20111Q.D	10/18/2010 15:57	1.97		6.20		1.65		5.49	
LD101310PAS,, RR	L20112Q.D	10/18/2010 16:08	1.97		6.20		1.65		5.49	
67967-1,, RR	L20114.D	10/18/2010 16:28	1.97		6.20		1.65		5.49	
67967-2,, RR	L20115.D	10/18/2010 16:39	1.97		6.20		1.65		5.49	
67967-3,, RR	L20116.D	10/18/2010 16:49	1.97		6.20		1.65		5.49	
67967-4,, RR	L20117.D	10/18/2010 16:59	1.97		6.20		1.65		5.49	
67967-4,MS,, RR	L20118SP.D	10/18/2010 17:10	1.97		6.20		1.65		5.49	
67967-4,MSD,, RR	L20119SP.D	10/18/2010 17:20	1.97		6.20		1.65		5.49	
P5532 PEST 30	L20121SC.D	10/18/2010 17:41	1.97		6.20		1.65		5.49	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

TPH DRO
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	B100710TAS
Matrix:	Solid
Percent Solid:	100
Dilution Factor:	1
Collection Date:	N/A
Lab Receipt Date:	N/A
Extraction Date:	10/07/01
Analysis Date:	10/08/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	LABQC

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
U	mg/kg	5

Surrogate Standard Recovery

m-Terphenyl	93	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis.

TPH layout

Authorized signature

8015 TPH SOIL REPORT

Sample Name	**B100710TAS**
Data File Name	G69703B.D
Date Acquired	10/8/2010 1:28 ✓
Misc Info	
Soil Weight (g)	**15.00**
Final Volume (mL)	**1.0** ✓
% Solid	**1.0000**
Analyst Dilution (1:X)	**1**
Calculation Factor	66.6667
Dilution Factor	1.0

8015 TPH ANALYTICAL RESULTS	**mg/kg**	**RL**	
TPH	U	5	ND
m-Terphenyl	93%	60-140%	PASS ✓

gg 10/12/10

RAW DATA

	Raw Inst Amount mg/mL	Reviewed & Calculated Inst Amount mg/kg	Target Response	Sample Amount mg/kg
M-TERPHENYL	93.13		2433845.141	
TPH LOW (<1.0)	0.0331 ✓	2.21	685608.859	
TPH HIGH (>1.0)	0.0331	2.21	685608.859	
DRO	0.03 ✓	2.21		2

JL 10-14-10

Data File : D:\TPH\100810-G.SEC\G69703B.D
Acq On : 8 Oct 2010 1:28 pm
Sample : B100710TAS
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 15:45 2010 Quant Results File: T100410B.RES

Vial: 54
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

BS 10/12/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.61	2433845	93.130 ug/ml
Spiked Amount 100.000	Range 60 - 140	Recovery =	93.13%
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	685609	0.033 mg/ml ✓
3) HM TPH HIGH (>1.0)	16.45	685609	~~0.033 mg/ml~~

ND

JL 10.14.10

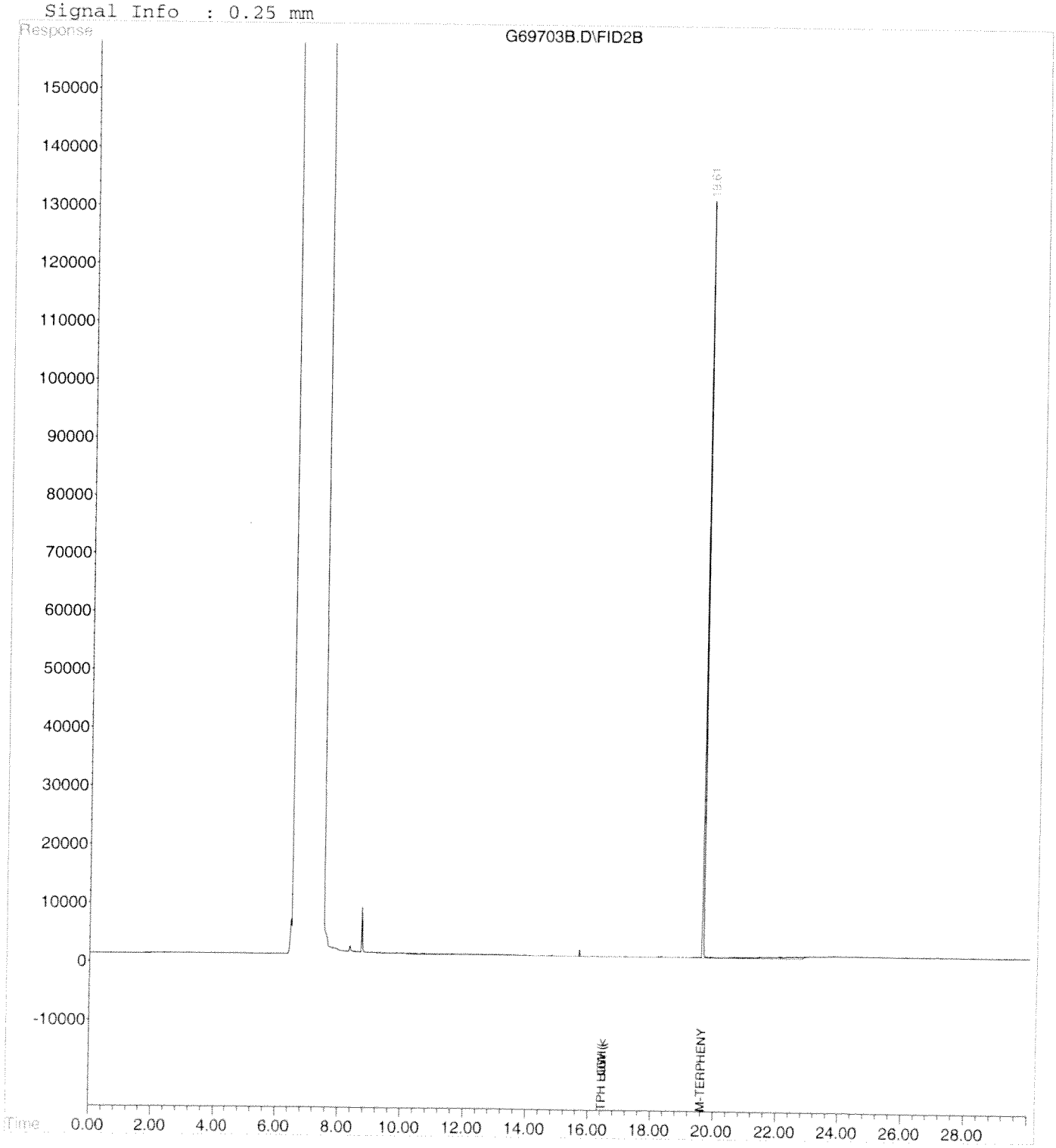
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100810-G.SEC\G69703B.D
Acq On : 8 Oct 2010 1:28 pm
Sample : B100710TAS
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 15:45 2010 Quant Results File: T100410B.RES

Vial: 54
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	67967-1
Matrix:	Solid
Percent Solid:	79
Dilution Factor:	1.3
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/07/10
Analysis Date:	10/08/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-DC-01

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
56	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis. Quantitation performed based on a No. 2 Fuel/Diesel Oil standard.

TPH layout

Authorized signature

8015 TPH SOIL REPORT

Sample Name	**67967-1**
Data File Name	G69717.D
Date Acquired	10/8/2010 6:09 ✓
Misc Info	
Soil Weight (g)	**15.03** ✓
Final Volume (mL)	**1.0** ✓
% Solid	**0.7874**
Analyst Dilution (1:X)	**1**
Calculation Factor	84.4978
Dilution Factor	1.3

gg 10/13/10

8015 TPH ANALYTICAL RESULTS	**mg/kg**	**RL**	
TPH	56	6	
m-Terphenyl	95%	60-140%	PASS ✓

RAW DATA

	Raw Inst Amount mg/mL	Reviewed & Calculated Inst Amount mg/kg	Target Response	Sample Amount mg/kg
M-TERPHENYL	95.21		2488239.138	
TPH LOW (<1.0)	0.6651 ✓	56.20	13762058.04	
TPH HIGH (>1.0)	0.7554	63.83	15631728.86	
DRO	0.67 ✓	56.20		56

✓ 10.14.10

Quantitation Report (QT Reviewed)

Data File : D:\TPH\100810-G.SEC\G69717.D Vial: 60
Acq On : 8 Oct 2010 6:09 pm Operator: JJL
Sample : 67967-1 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 12 16:46 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

gg 10/12/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.61	2488239	95.212 ug/mlm
Spiked Amount 100.000 Range 60 - 140 Recovery = 95.21% ✓			
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	13762058	0.665 mg/ml ✓
3) HM TPH HIGH (>1.0)	16.45	15631729	~~0.755 mg/ml~~

JR 10.14.10

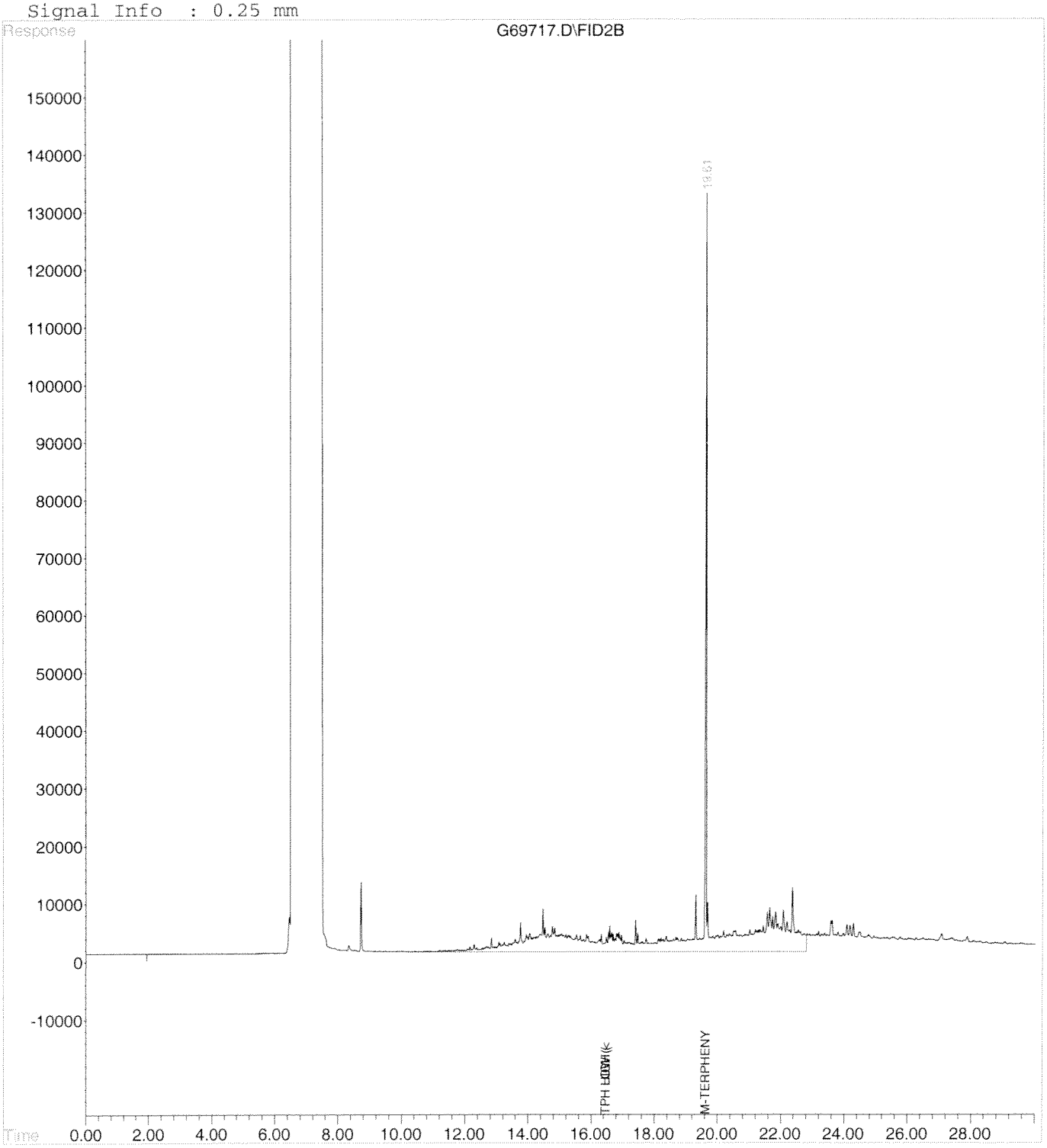
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\TPH\100810-G.SEC\G69717.D Vial: 60
Acq On : 8 Oct 2010 6:09 pm Operator: JJL
Sample : 67967-1 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 12 16:46 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



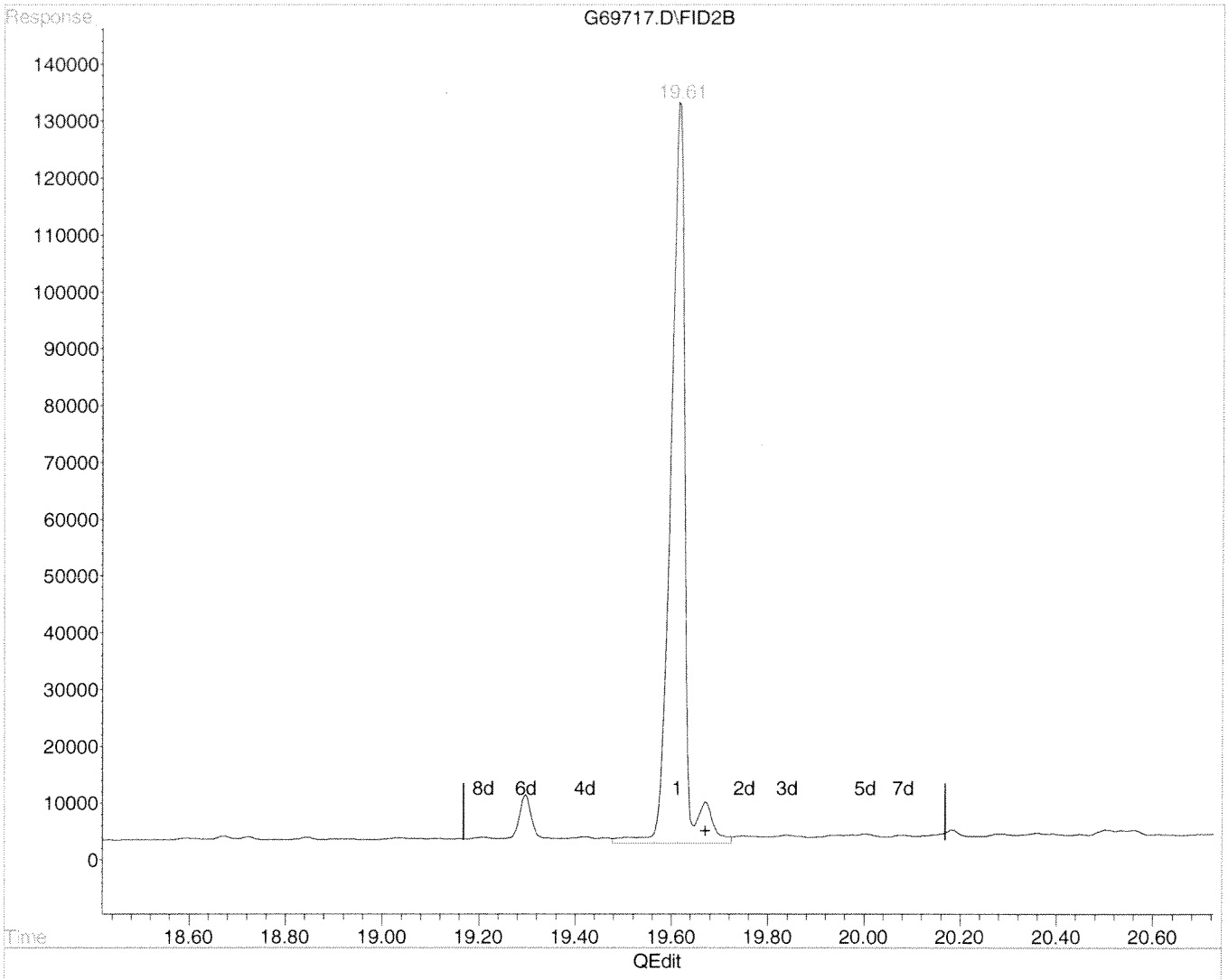
Quantitation Report (Qedit)

Data File : D:\TPH\100810-G.SEC\G69717.D
Acq On : 8 Oct 2010 6:09 pm
Sample : 67967-1
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 14:12 2010 Quant Results File: T100410B.RES

Vial: 60
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration

10/12/10
★E.A.



(1) M-TERPHENYL (S)

19.61min 105.063ug/ml

response 2745690

10.14.10

(+) = Expected Retention Time
G69717.D T100410B.M Tue Oct 12 16:46:07 2010

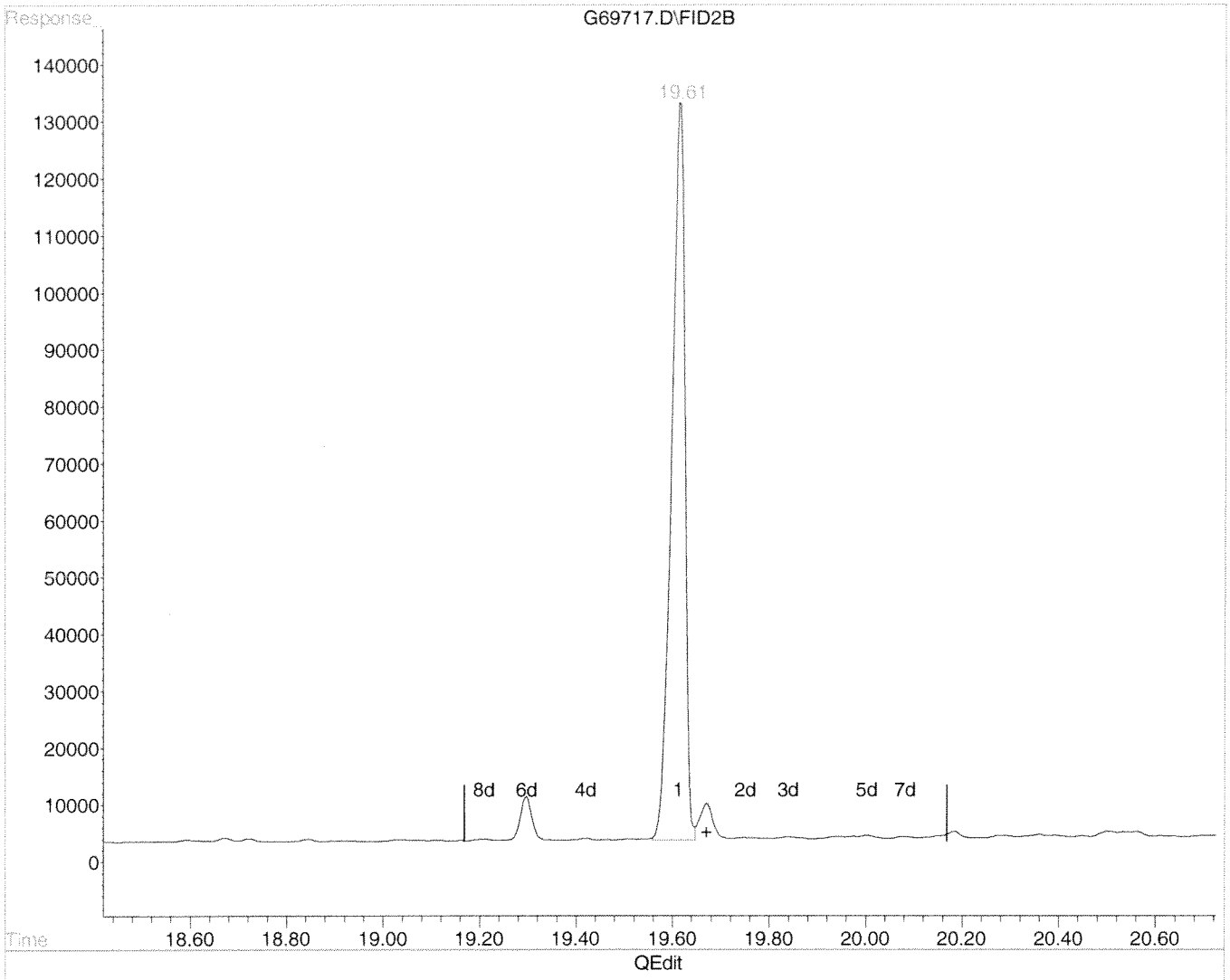
Quantitation Report (Qedit)

Data File : D:\TPH\100810-G.SEC\G69717.D
Acq On : 8 Oct 2010 6:09 pm
Sample : 67967-1
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 14:12 2010 Quant Results File: T100410B.RES

Vial: 60
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration

gg 10/12/10



(1) M-TERPHENYL (S)

19.61min 95.212ug/ml m

response 2488239

JJL 10.14.10

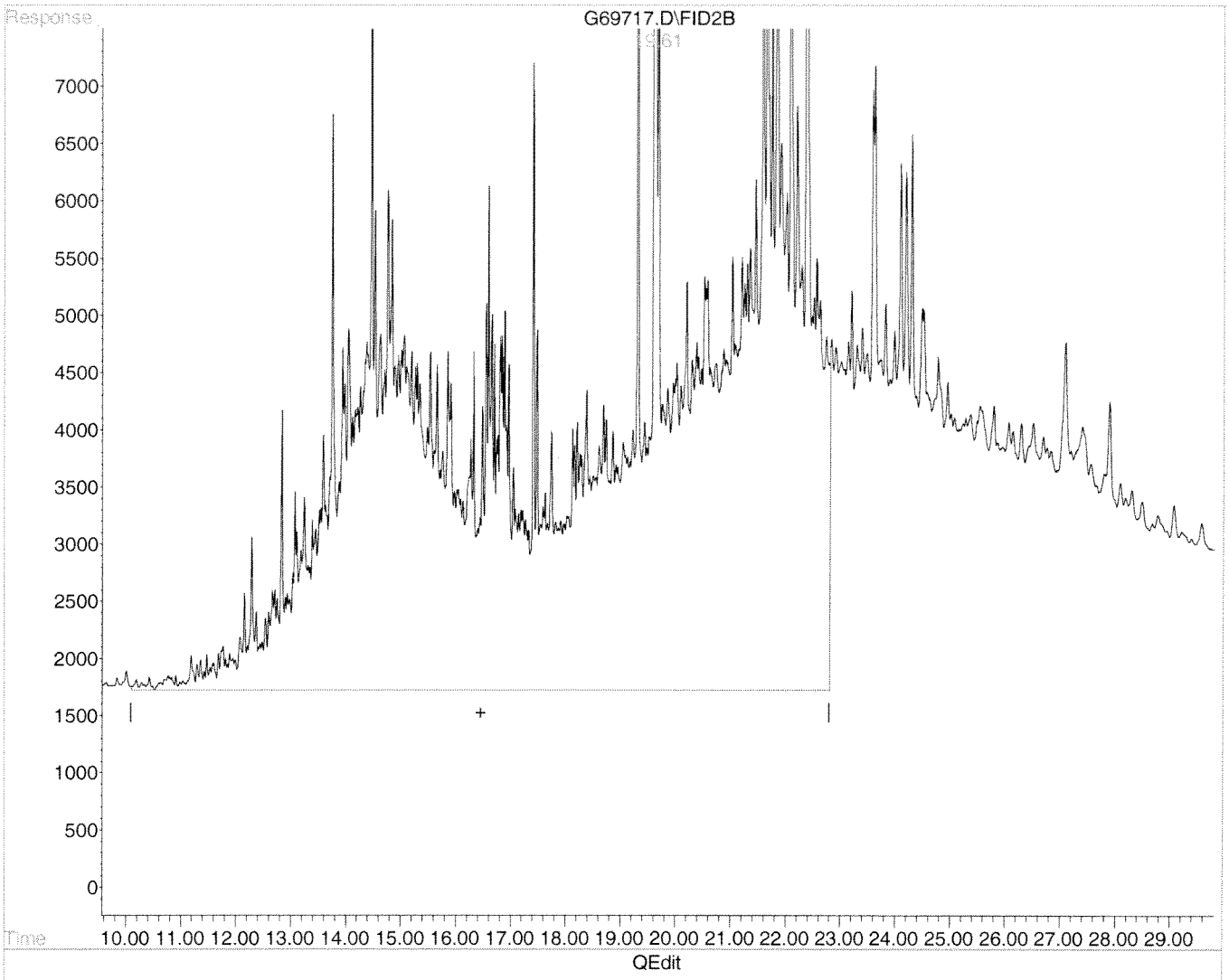
(+) = Expected Retention Time
G69717.D T100410B.M Tue Oct 12 16:46:11 2010

Quantitation Report (Qedit)

Data File : D:\TPH\100810-G.SEC\G69717.D Vial: 60
Acq On : 8 Oct 2010 6:09 pm Operator: JJL
Sample : 67967-1 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 12 14:12 2010 Quant Results File: T100410B.RES

Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration

88 10/12/10
Baseline



(2) TPH LOW (<1.0) (HM)

16.45min 0.755mg/ml m

response 15631729

10.14.10

(+) = Expected Retention Time
G69717.D T100410B.M Tue Oct 12 16:46:28 2010

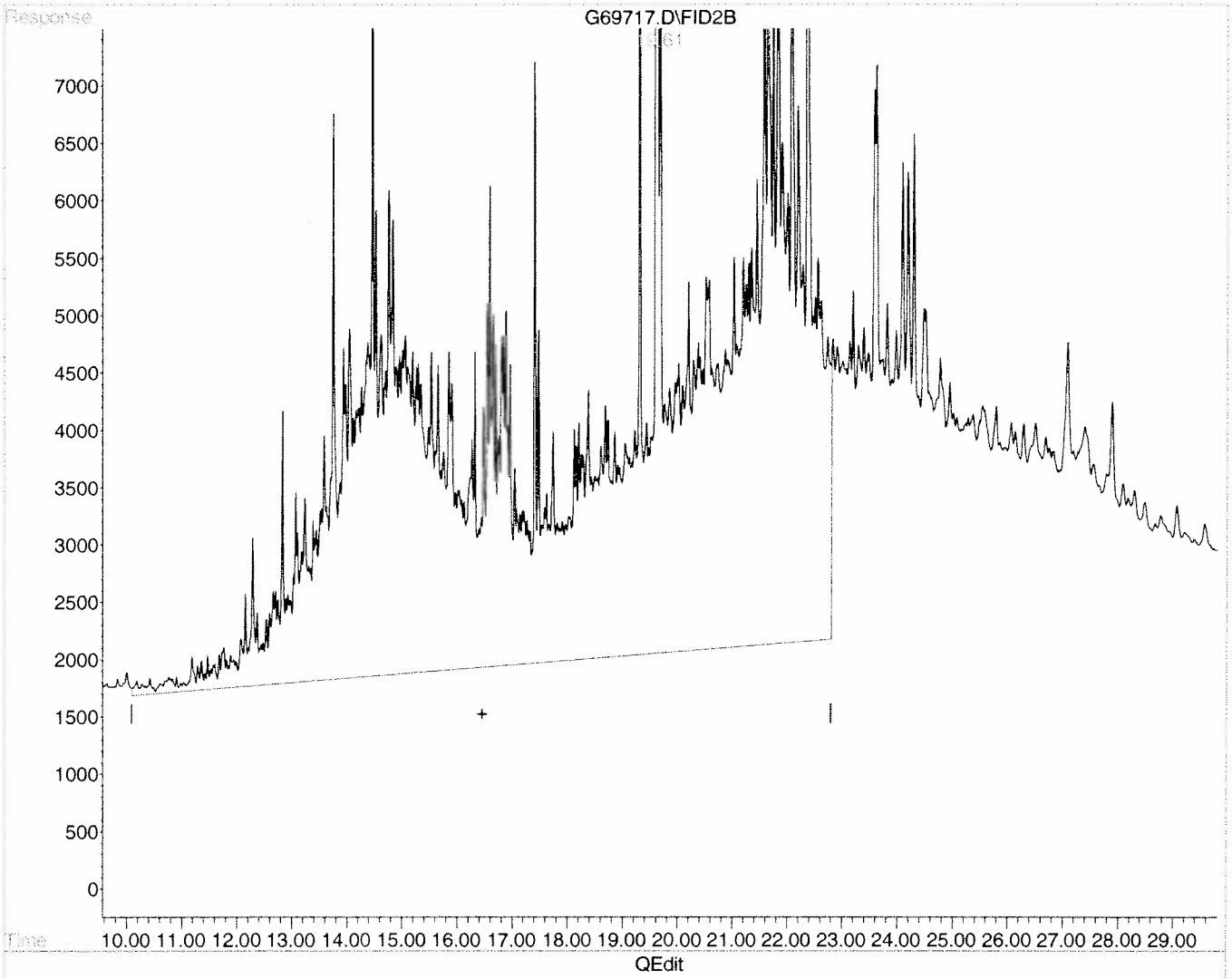
Quantitation Report (Qedit)

Data File : D:\TPH\100810-G.SEC\G69717.D
Acq On : 8 Oct 2010 6:09 pm
Sample : 67967-1
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 14:12 2010 Quant Results File: T100410B.RES

Vial: 60
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration

JJL 10/12/10



(2) TPH LOW (<1.0) (HM)

16.45min 0.665mg/ml m

response 13762058

JJL 10.14.10

(+) = Expected Retention Time
G69717.D T100410B.M Tue Oct 12 16:46:36 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	67967-2
Matrix:	Solid
Percent Solid:	88
Dilution Factor:	1.1
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/07/10
Analysis Date:	10/08/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-APN-01

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
84	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl 95 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis. Quantitation performed based on a No. 2 Fuel/Diesel Oil standard.

TPH layout

Authorized signature

8015 TPH SOIL REPORT

Sample Name	**67967-2**
Data File Name	G69711.D
Date Acquired	10/8/2010 4:12 ✓
Misc Info	
Soil Weight (g)	**15.60** ✓
Final Volume (mL)	**1.0**
% Solid	**0.8848** ✓
Analyst Dilution (1:X)	**1**
Calculation Factor	72.4486
Dilution Factor	1.1

gg 10/13/10

8015 TPH ANALYTICAL RESULTS	**mg/kg**	**RL**	
TPH	84	5	
m-Terphenyl	95%	60-140%	PASS ✓

RAW DATA

	Raw Inst Amount mg/mL	Reviewed & Calculated Inst Amount mg/kg	Target Response	Sample Amount mg/kg
M-TERPHENYL	94.62		2472810.495	
TPH LOW (<1.0)	1.2284	89.00	25419487.5	
TPH HIGH (>1.0)	1.1643 ✓	84.36	24093645.89	
DRO	1.16 ✓	84.36		84

10-14-10

Quantitation Report (QT Reviewed)

Data File : D:\TPH\100810-G.SEC\G69711.D Vial: 57
Acq On : 8 Oct 2010 4:12 pm Operator: JJL
Sample : 67967-2 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 12 16:41 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

BS 10/12/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.60	2472810	94.621 ug/ml
Spiked Amount 100.000 Range 60 - 140 Recovery = 94.62% ✓			
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	25419488	~~1.228 mg/ml~~
3) HM TPH HIGH (>1.0)	16.45	24093646	1.164 mg/ml ✓

JL 10-14-10

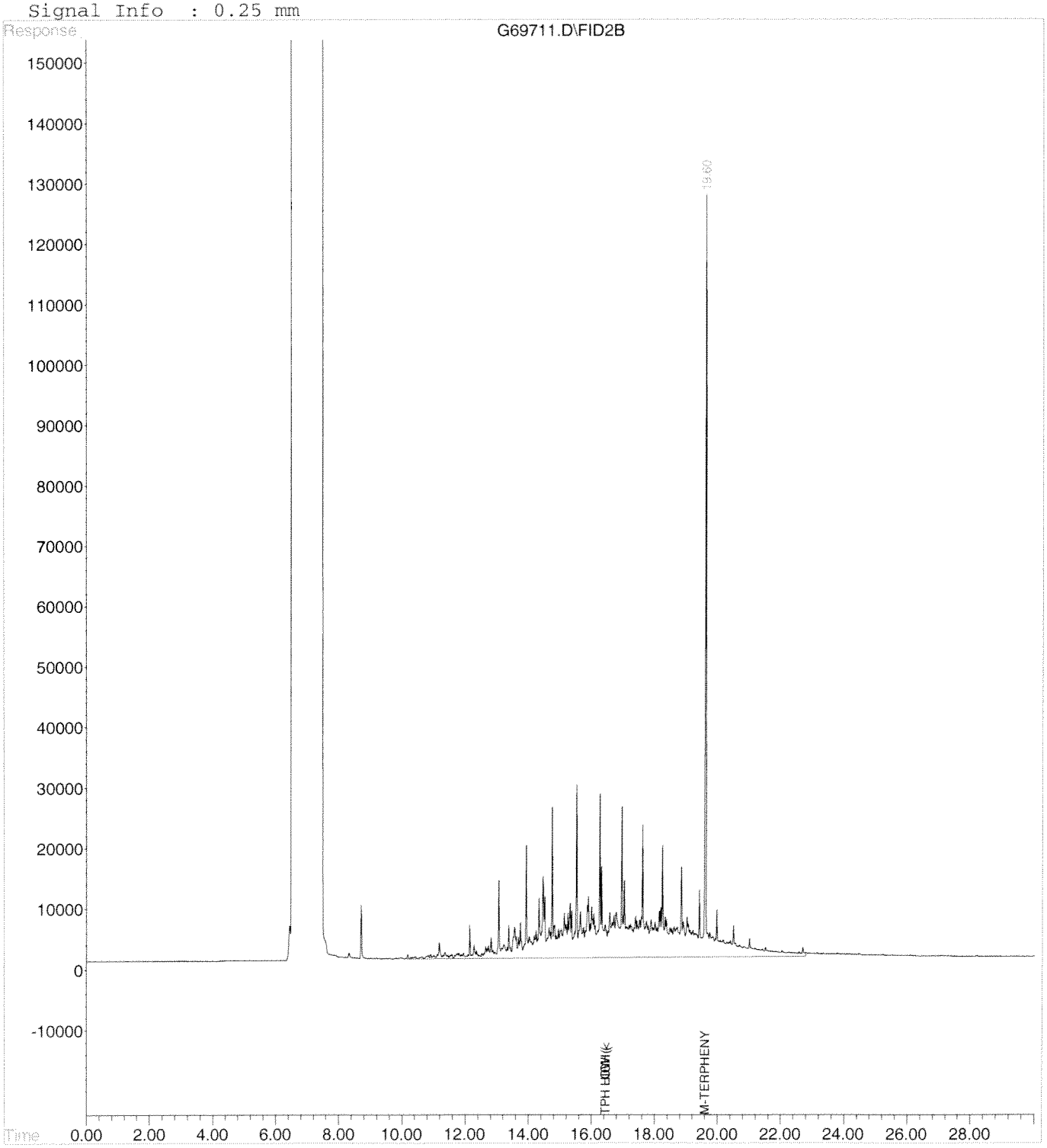
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\TPH\100810-G.SEC\G69711.D Vial: 57
Acq On : 8 Oct 2010 4:12 pm Operator: JJL
Sample : 67967-2 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 12 16:41 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



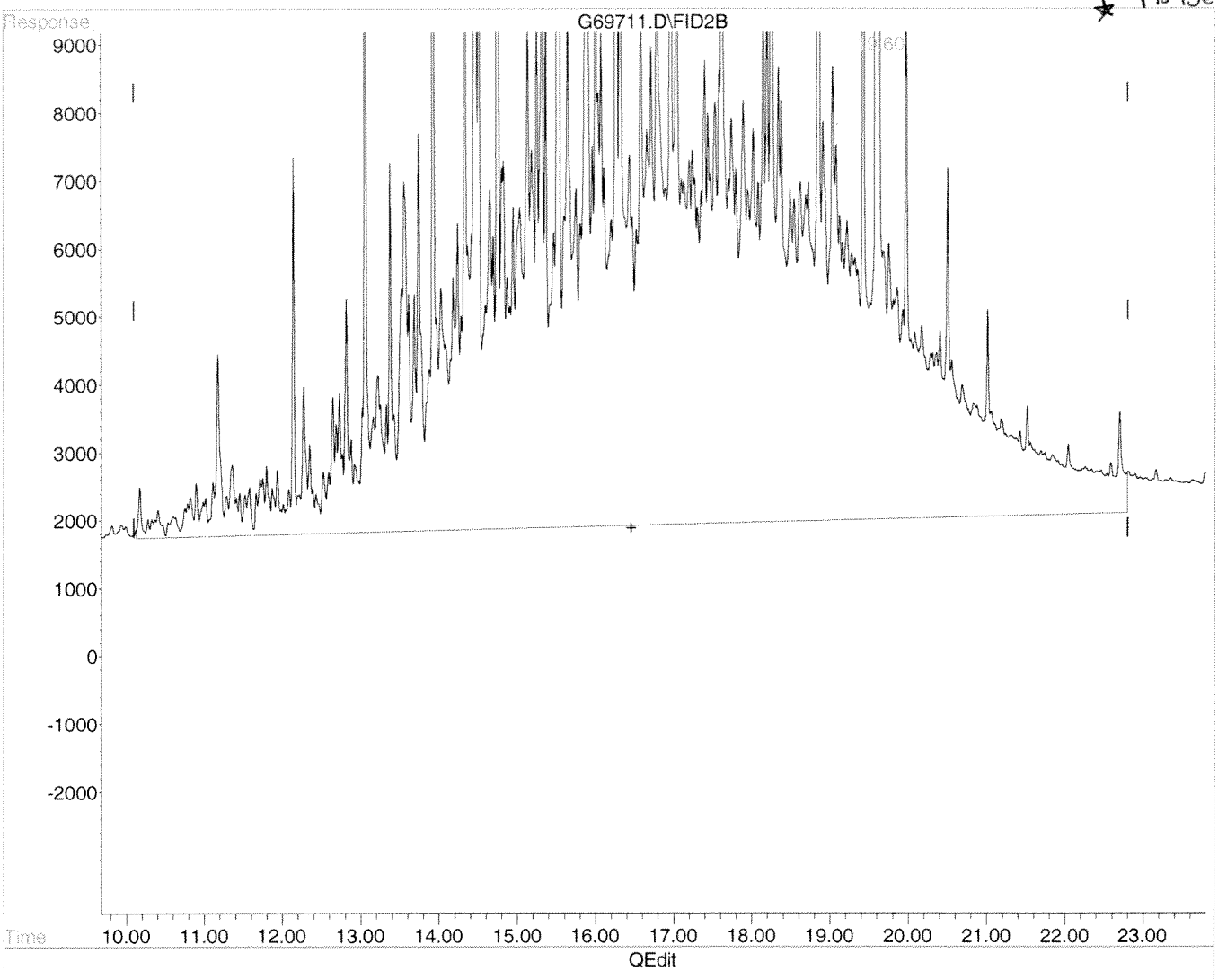
Quantitation Report (Qedit)

Data File : D:\TPH\100810-G.SEC\G69711.D
Acq On : 8 Oct 2010 4:12 pm
Sample : 67967-2
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 16:41 2010 Quant Results File: T100410B.RES

Vial: 57
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration

10-14-10 10/12/10 Baseline ★ No Before



(3) TPH HIGH (>1.0) (HM)

16.45min 1.164mg/ml m

response 24093646

(+) = Expected Retention Time

G69711.D T100410B.M Tue Oct 12 16:44:09 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID:	67967-3
Matrix:	Solid
Percent Solid:	80
Dilution Factor:	1.2
Collection Date:	10/06/10
Lab Receipt Date:	10/06/10
Extraction Date:	10/07/10
Analysis Date:	10/08/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GTM-01

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
54	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis. Quantitation performed based on a No. 2 Fuel/Diesel Oil standard.

TPH layout

Authorized signature

8015 TPH SOIL REPORT

Sample Name	**67967-3**
Data File Name	G69713.D
Date Acquired	10/8/2010 4:56 ✓
Misc Info	
Soil Weight (g)	**15.29** ✓
Final Volume (mL)	**1.0** ✓
% Solid	**0.8022**
Analyst Dilution (1:X)	**1**
Calculation Factor	81.5286
Dilution Factor	1.2

gg 10/13/10

8015 TPH ANALYTICAL RESULTS	**mg/kg**	**RL**	
TPH	54	6	
m-Terphenyl	95%	60-140%	PASS ✓

RAW DATA

	Raw Inst Amount mg/mL	Reviewed & Calculated Inst Amount mg/kg	Target Response	Sample Amount mg/kg
M-TERPHENYL	94.54		2470694.216	
TPH LOW (<1.0)	0.6629 ✓	54.05	13717580.78	
TPH HIGH (>1.0)	0.6629	54.05	13717580.78	
DRO	0.66 ✓	54.05		54

✓ 10.14.10

Quantitation Report (QT Reviewed)

Data File : D:\TPH\100810-G.SEC\G69713.D Vial: 58
Acq On : 8 Oct 2010 4:56 pm Operator: JJL
Sample : 67967-3 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 12 16:44 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

BG 10/12/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.62	2470694	94.540 ug/mlm
Spiked Amount 100.000 Range 60 - 140 Recovery = 94.54% ✓			
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	13717581	0.663 mg/ml ✓
3) HM TPH HIGH (>1.0)	16.45	13717581	~~0.663 mg/ml~~

JL 10-14-10

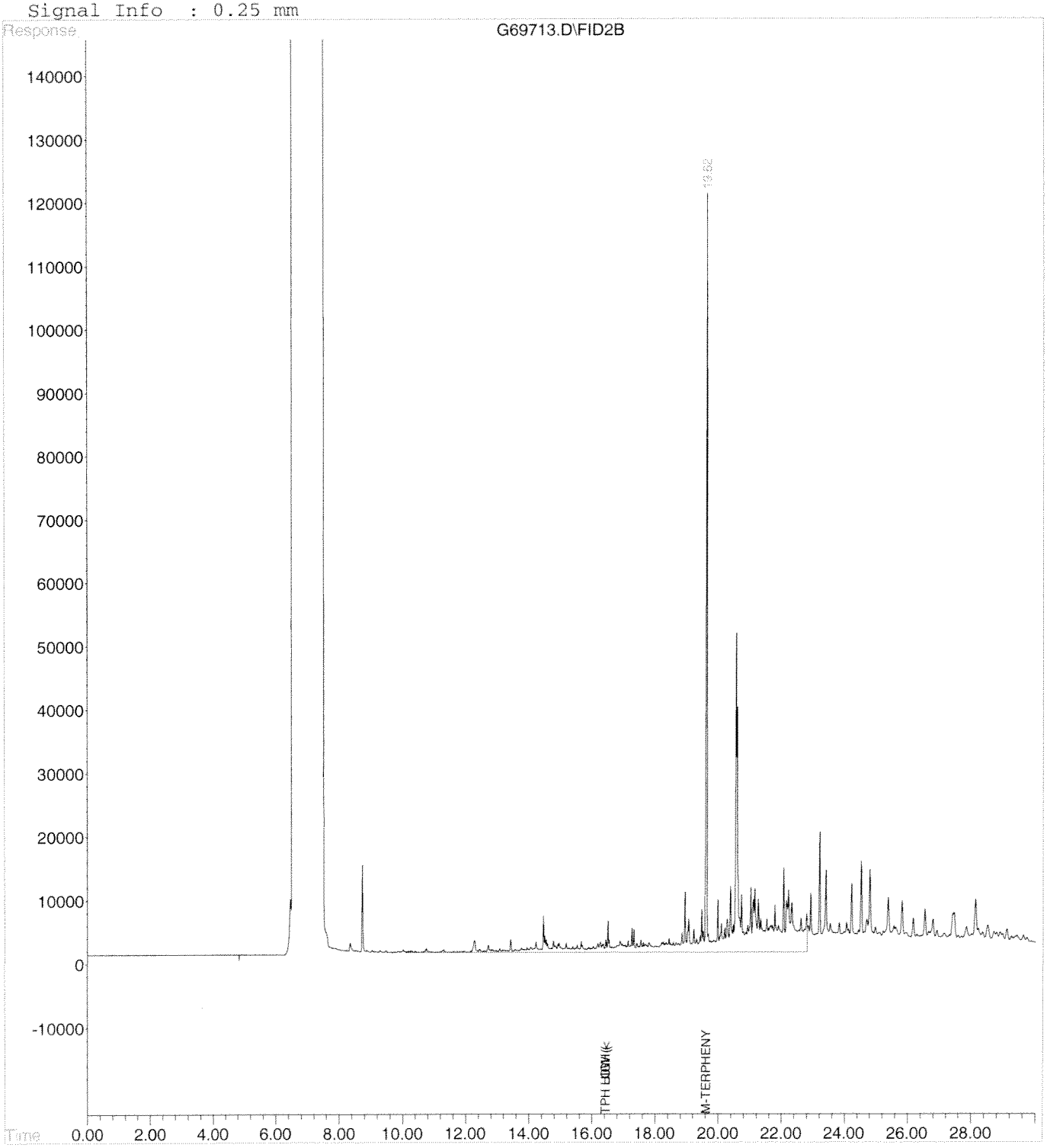
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\TPH\100810-G.SEC\G69713.D Vial: 58
Acq On : 8 Oct 2010 4:56 pm Operator: JJL
Sample : 67967-3 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 12 16:44 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



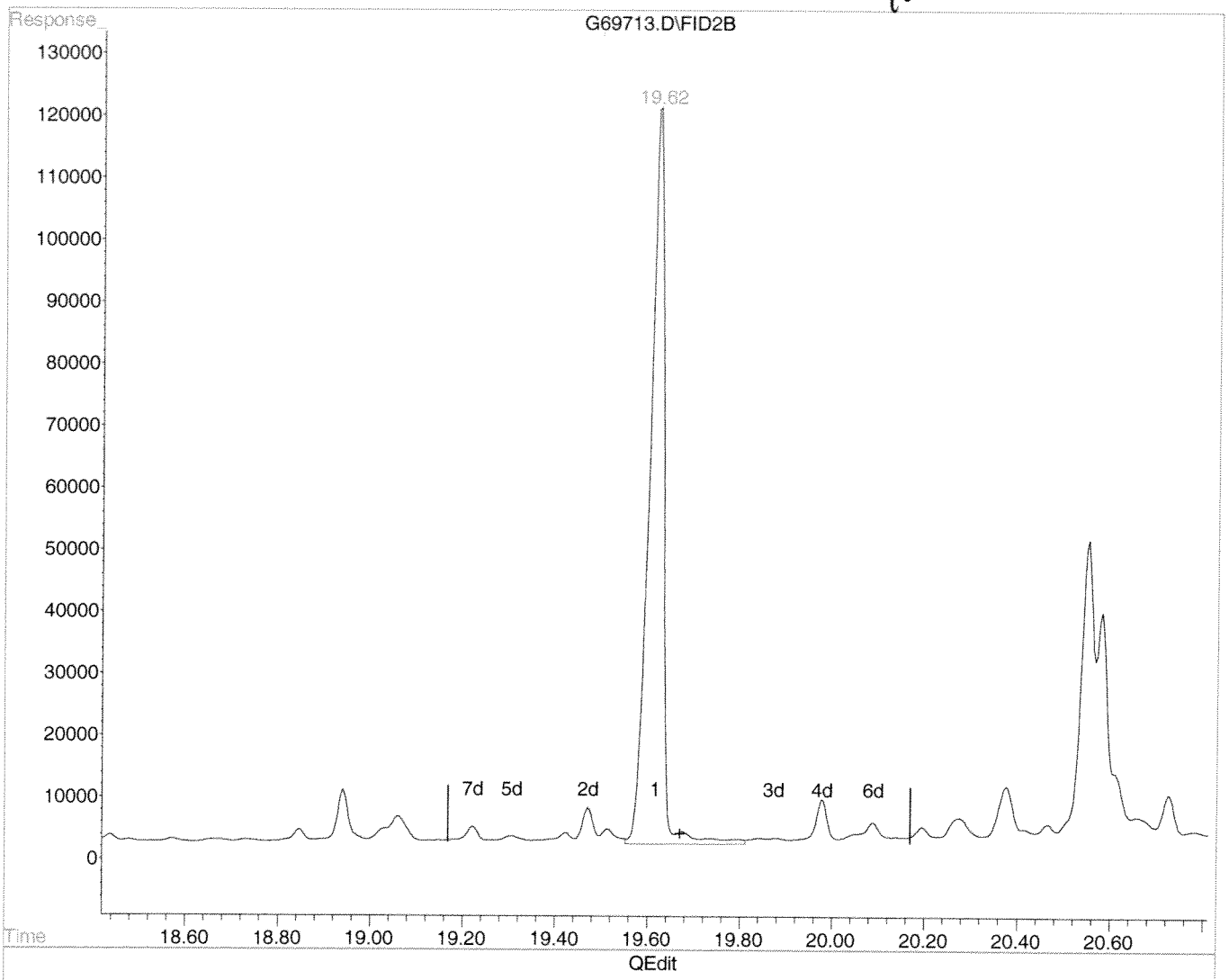
Quantitation Report (Qedit)

Data File : D:\TPH\100810-G.SEC\G69713.D
Acq On : 8 Oct 2010 4:56 pm
Sample : 67967-3
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 14:12 2010 Quant Results File: T100410B.RES

Vial: 58
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration

10/12/10 10/12/10 ★ E.A.



(1) M-TERPHENYL (S)

19.62min 98.142ug/ml

response 2564820

(+) = Expected Retention Time

G69713.D T100410B.M Tue Oct 12 16:44:42 2010

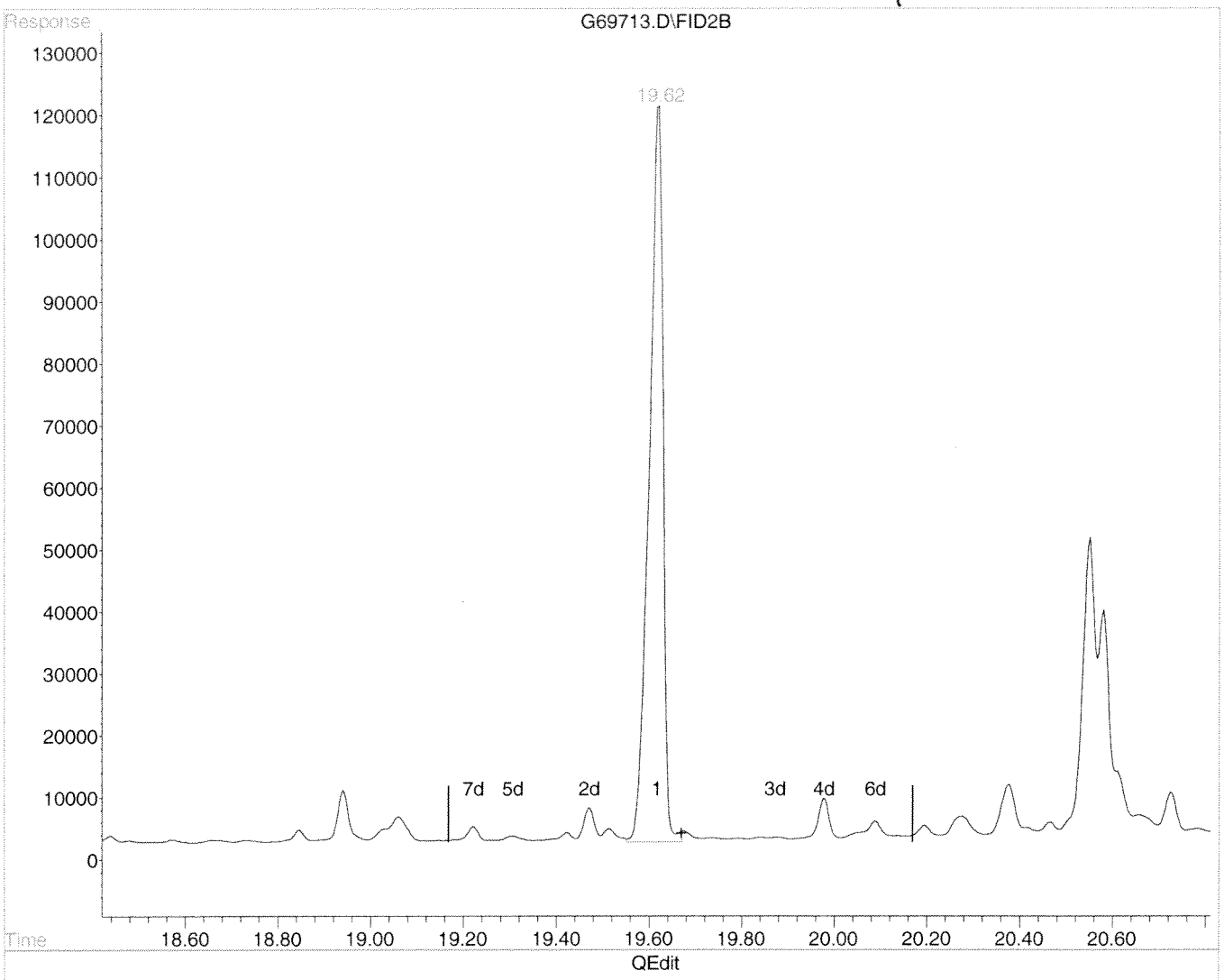
Quantitation Report (Qedit)

Data File : D:\TPH\100810-G.SEC\G69713.D
Acq On : 8 Oct 2010 4:56 pm
Sample : 67967-3
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 14:12 2010 Quant Results File: T100410B.RES

Vial: 58
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration

JJL 10.14.10 88 10/12/10



(1) M-TERPHENYL (S)

19.62min 94.540ug/ml m

response 2470694

(+) = Expected Retention Time

G69713.D T100410B.M Tue Oct 12 16:44:47 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

SAMPLE DATA

Lab Sample ID: 67967-4
Matrix: Solid
Percent Solid: 91
Dilution Factor: 1.1
Collection Date: 10/06/10
Lab Receipt Date: 10/06/10
Extraction Date: 10/07/10
Analysis Date: 10/08/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-02

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
72	mg/kg	6

Surrogate Standard Recovery

m-Terphenyl	95	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Results are expressed on a dry weight basis. Quantitation performed based on a No. 2 Fuel/Diesel Oil standard.

TPH layout

Authorized signature

8015 TPH SOIL REPORT

Sample Name	**67967-4**
Data File Name	G69715.D
Date Acquired	10/8/2010 5:40 ✓
Misc Info	
Soil Weight (g)	**15.11** ✓
Final Volume (mL)	**1.0**
% Solid	**0.9079** ✓
Analyst Dilution (1:X)	**1**
Calculation Factor	72.8950
Dilution Factor	1.1

gg 10/13/10

8015 TPH ANALYTICAL RESULTS	**mg/kg**	**RL**	
TPH	72	5	
m-Terphenyl	95%	60-140%	PASS ✓

RAW DATA

	Raw Inst Amount mg/mL	Reviewed & Calculated Inst Amount mg/kg	Target Response	Sample Amount mg/kg
M-TERPHENYL	94.81		2477781.104	
TPH LOW (<1.0)	1.0840	79.02	22431197.9	
TPH HIGH (>1.0)	0.9813 ✓	71.53	20306077.21	
DRO	0.98 ✓	71.53		72

✓ JL 10.14.10

Quantitation Report (QT Reviewed)

Data File : D:\TPH\100810-G.SEC\G69715.D
Acq On : 8 Oct 2010 5:40 pm
Sample : 67967-4
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 16:45 2010 Quant Results File: T100410B.RES

Vial: 59
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/12/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.62	2477781	94.811 ug/ml
Spiked Amount 100.000 Range 60 - 140 Recovery = 94.81% ✓			
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	22431198	~~1.084 mg/ml~~
3) HM TPH HIGH (>1.0)	16.45	20306077	0.981 mg/ml ✓

JJL 10-14-10

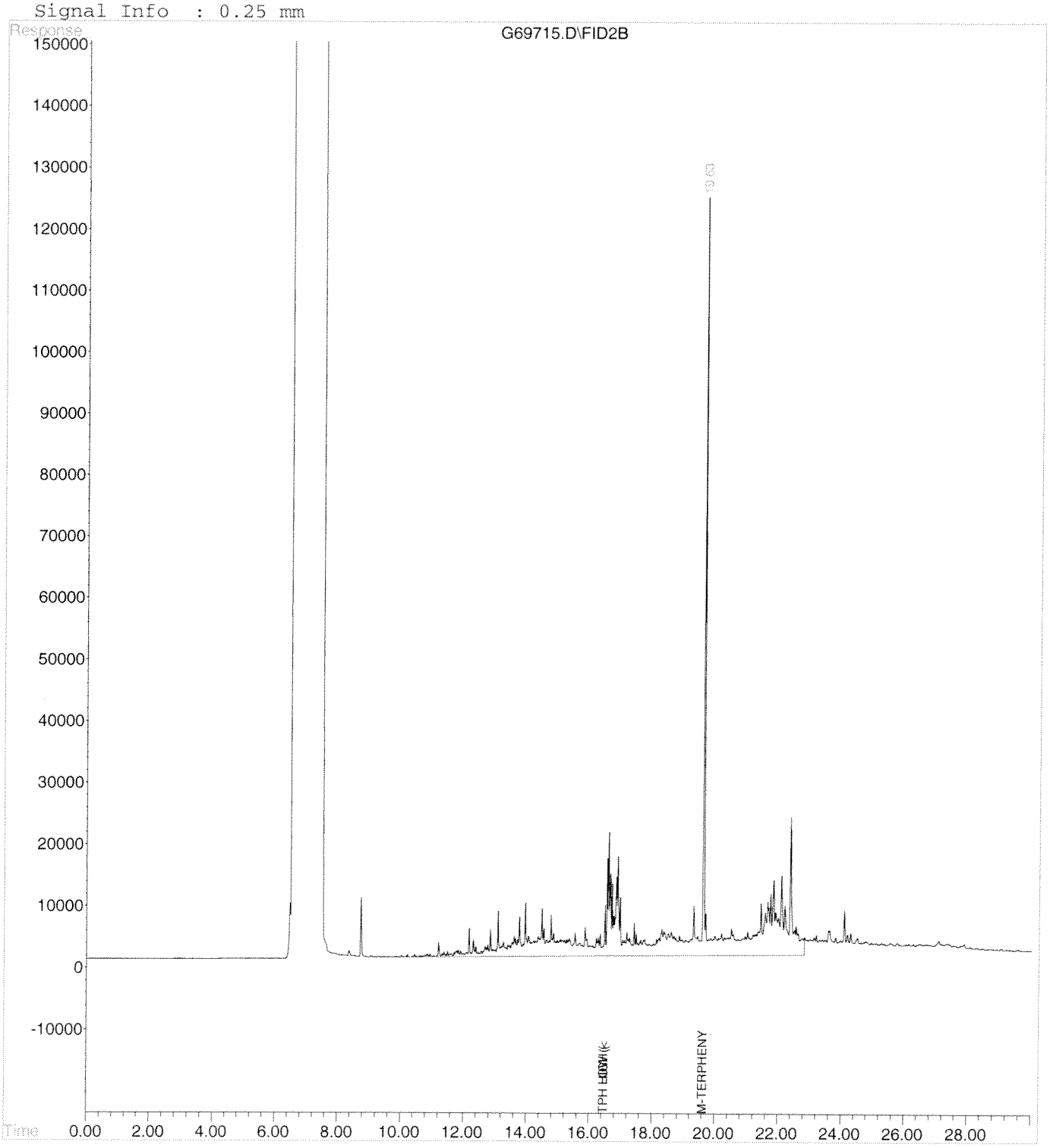
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : D:\TPH\100810-G.SEC\G69715.D Vial: 59
Acq On : 8 Oct 2010 5:40 pm Operator: JJL
Sample : 67967-4 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 12 16:45 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



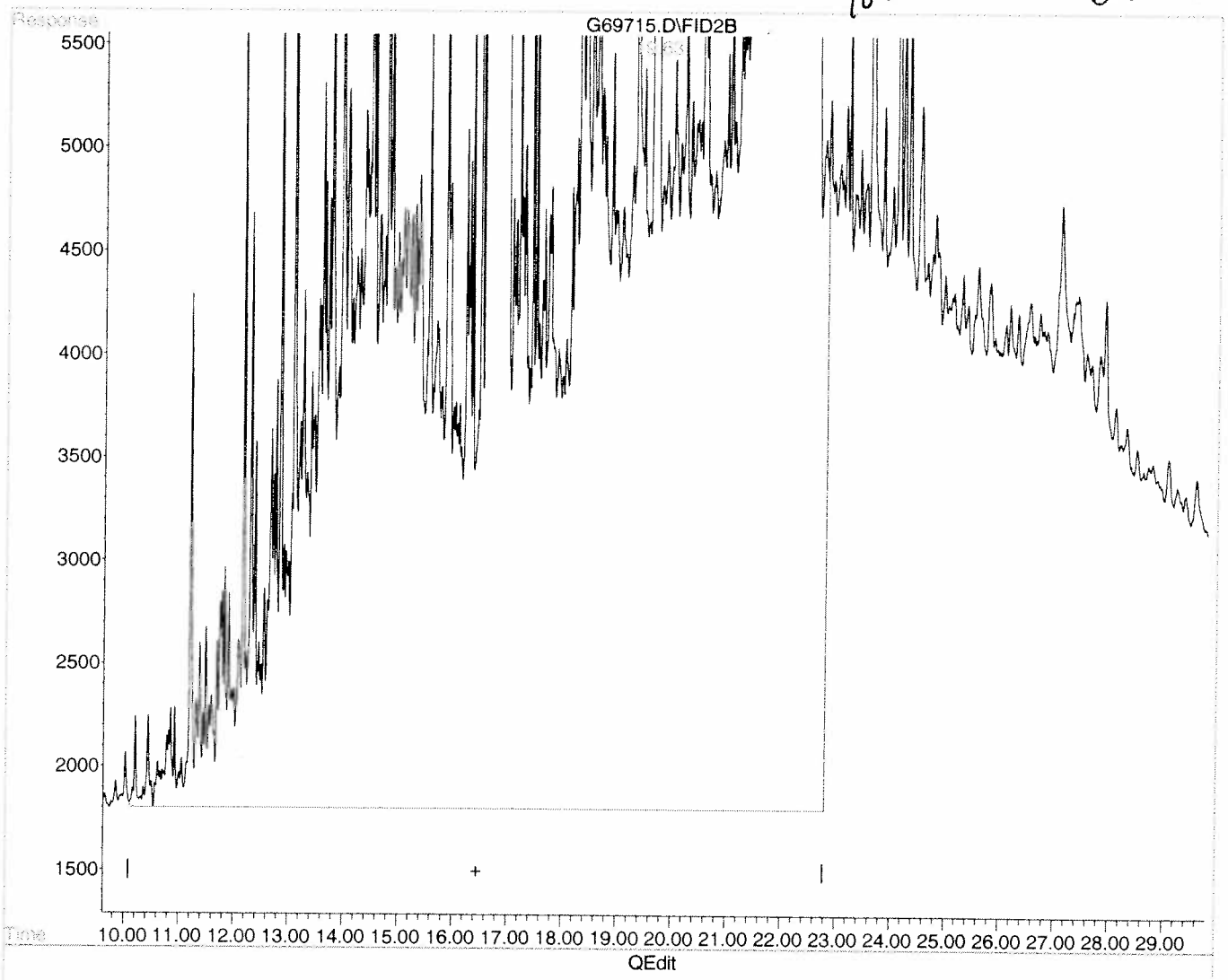
Quantitation Report (Qedit)

Data File : D:\TPH\100810-G.SEC\G69715.D
Acq On : 8 Oct 2010 5:40 pm
Sample : 67967-4
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 14:12 2010 Quant Results File: T100410B.RES

Vial: 59
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration

JL 10.14.10 gg 10/12/10 Baseline



(3) TPH HIGH (>1.0) (HM)

16.45min 1.084mg/ml m

response 22431198

(+) = Expected Retention Time

G69715.D T100410B.M Tue Oct 12 16:45:43 2010

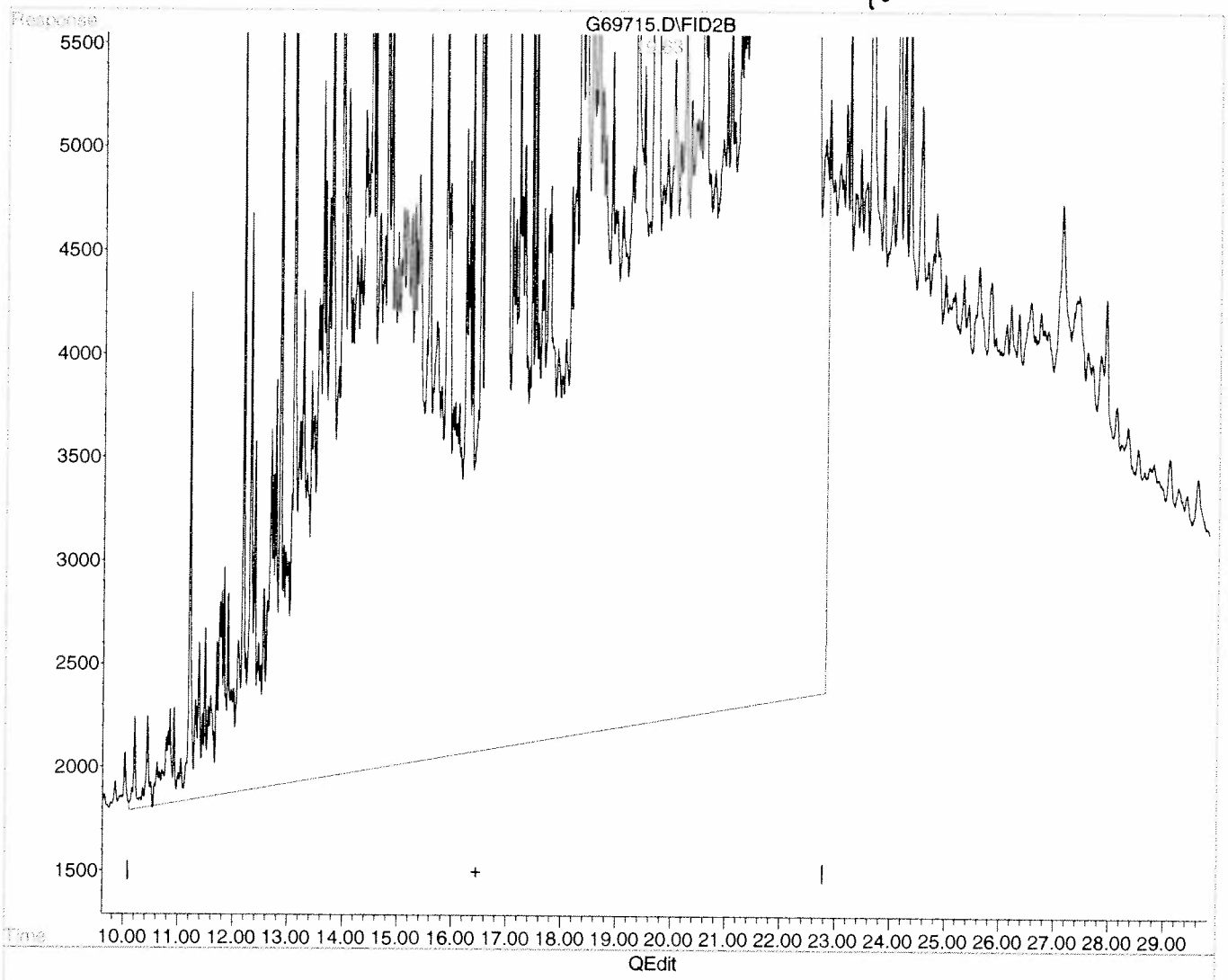
Quantitation Report (Qedit)

Data File : D:\TPH\100810-G.SEC\G69715.D
Acq On : 8 Oct 2010 5:40 pm
Sample : 67967-4
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 14:12 2010 Quant Results File: T100410B.RES

Vial: 59
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration

JJL 10.14.1 gg 10/12/10



(3) TPH HIGH (>1.0) (HM)

16.45min 0.981mg/ml m

response 20306077

(+) = Expected Retention Time

G69715.D T100410B.M Tue Oct 12 16:45:53 2010

TPH DRO
QC FORMS

TOTAL PETROLEUM HYDROCARBONS SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: G SDG: 67967
GC Column: RTX-5ms
Column ID: 0.25 mm

SAMPLE ID	SMC 1 (%)	#
B100710TAS	93	
L100710TAS	92	
LD100710TAS	97	
67967-2	95	
67967-3	95	
67967-4	95	
67967-1	95	

	Lower Limit	Upper Limit
SMC #1 = m-terphenyl	60	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

TPH FORM 2

TOTAL PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/DUPLICATE
PERCENT RECOVERY

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B100710TAS
Spike: L100710TAS
Spike duplicate: LD100710TAS

COMPOUND	LCS SPIKE ADDED (mg/kg)	LCSD SPIKE ADDED (mg/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (mg/kg)	SPIKE RESULT (mg/kg)	SPIKE % REC	#	SPIKE DUP RESULT (mg/kg)	SPIKE DUP % REC	#	RPD	#
TPH LOW (<1.0)	67	67	64	117	20	0	49	74		53	80		8	
TPH HIGH (>1.0)	67	67	64	117	20	0	49	74		53	80		8	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
Spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

TPH FORM 3

Data File : D:\TPH\100810-G.SEC\G69705Q.D
Acq On : 8 Oct 2010 2:33 pm
Sample : L100710TAS
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 15:46 2010 Quant Results File: T100410B.RES

Vial: 55
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

gg 10/12/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.63	2395898	91.678 ug/ml
Spiked Amount 100.000	Range 60 - 140	Recovery =	91.68%
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	15249199	0.737 mg/ml
3) HM TPH HIGH (>1.0)	16.45	15249199	0.737 mg/ml

JJL 10.14.10

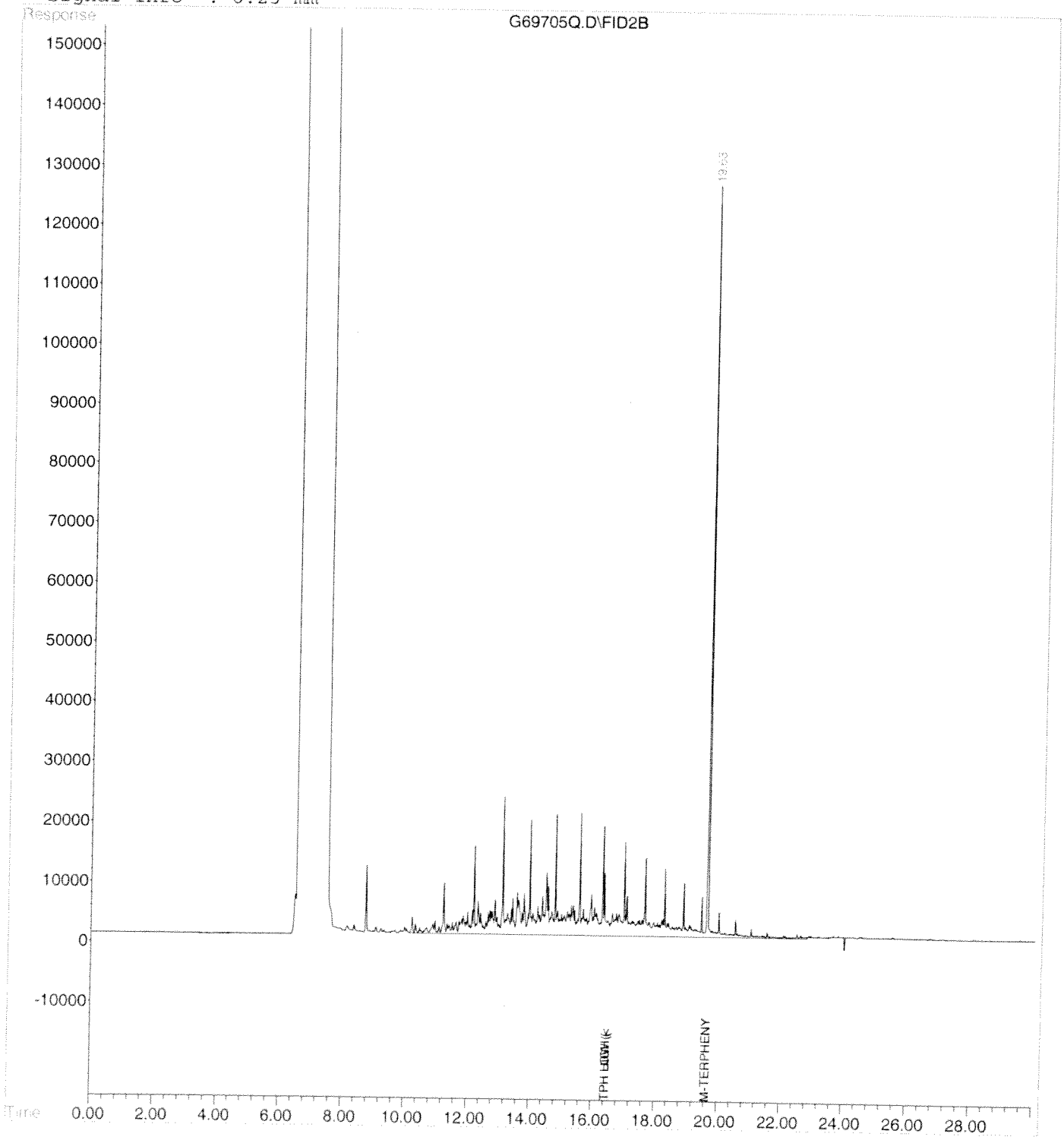
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100810-G.SEC\G69705Q.D
Acq On : 8 Oct 2010 2:33 pm
Sample : L100710TAS
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 15:46 2010 Quant Results File: T100410B.RES

Vial: 55
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



Quantitation Report (Not Reviewed)

Data File : D:\TPH\100810-G.SEC\G69707Q.D
Acq On : 8 Oct 2010 2:59 pm
Sample : LD100710TAS
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 15:46 2010 Quant Results File: T100410B.RES

Vial: 56
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

JJL 10/12/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.61	2525430	96.635 ug/ml
Spiked Amount 100.000	Range 60 - 140	Recovery =	96.64%
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	16584557	0.801 mg/ml
3) HM TPH HIGH (>1.0)	16.45	16584557	0.801 mg/ml

JL 10.14.11

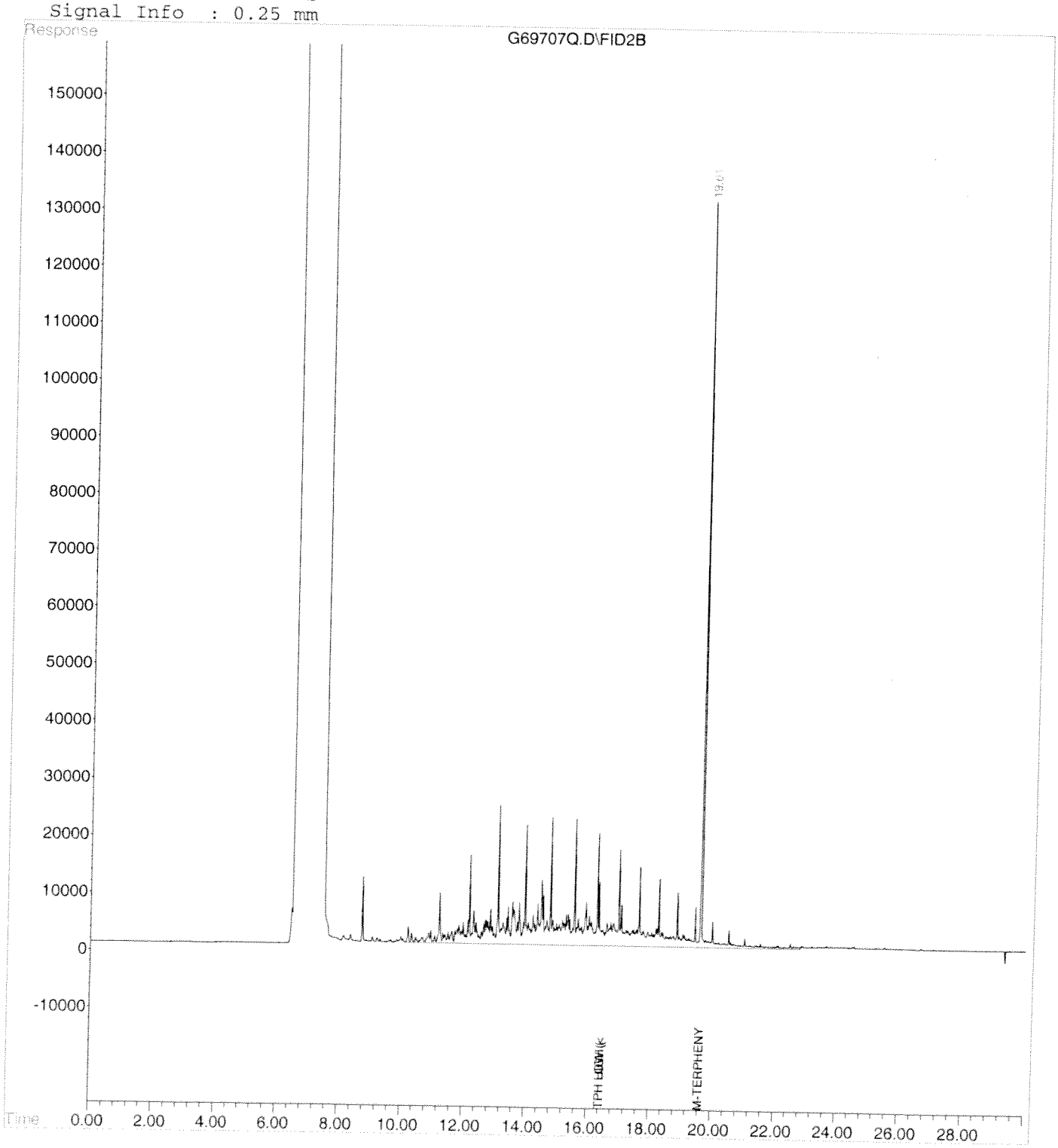
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100810-G.SEC\G69707Q.D
Acq On : 8 Oct 2010 2:59 pm
Sample : LD100710TAS
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 15:46 2010 Quant Results File: T100410B.RES

Vial: 56
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



TPH / DRO Instrument: G

Analytics environmental laboratory LLC

Load: gg

Detector: B 100410 - G (cont.) Unload:

Run	Vial #	Sample	Method	Comments
G69567	99	MeCl2		
69	51	T6811 #2 FO RT STD	T100410B.m	✓
71	52	T6786 #2 FO 0.025		✓
73	53	T6787 #2 FO 0.05		✓
75	54	T6788 #2 FO 0.1		✓
77	55	T6798 #2 FO 0.5		✓
79	56	T6799 #2 FO 1.0		✓
81	57	T6789 #2 FO 2.0		✓
83	58	T6790 #2 FO 5.0		✓
85	59	T6791 #2 FO 10.0		✓
87	60	T6792 #2 FO 25.0		✓
89	61	T6796 #2 FO 1.0 CC, ICV		✓
91B	62	B093010DW		✓
93B	63	~~L093010DW#2~~ B092910TAS		✓
95Q	64	L093010DW#2		✓
97Q	65	L092910TAS		✓
99Q	66	LD092910TAS		✓
G69601	67	67897 -1		✓
03	68	-2		✓
05	69	-3		✓
07	70	-4		✓
09	71	-5		✓
11	72	-6		✓
13	73	-7		✓
15	74	-8		✓
17	75	-9		✓
19	76	-10		✓
~~21~~	~~77 51~~	~~T6811 #2 FO 0.05 DRO~~ T6811 #2 FO RT STD		shift from dirty samples
~~23SC~~	~~78 55~~	T6798 #2 FO 0.5		✓
25SC	~~79~~ 56	T6799 #2 FO 1.0		✓
27B	63	~~B100410TAS B09301~~ B092910TAS RR		✓
29SP	77	~~L100410TAS~~ 67897-10,MS		✓
31SP	78	LD100410TAS -10,MSD		✓
33	79	-11		RR 2X

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

(cont.)

Hexane Lot : _____

Methylene Chloride Lot: _____

TPH / DRO Instrument: G

Analytics environmental laboratory LLC

Load: gg

Detector: B 100810-G Unload: gg

Run	Vial #	Sample	Method	Comments
G696697	99	$MeCl_2$	T100410B.m / TC10410B.m	
99	51	T6811 #2 FO RT STD		✓✓
G69701	52	T6798 #2 FO 0.5		✓✓
03B	54	B100710TAS		✓✓
05Q	55	L100710TAS		✓✓
07Q	56	LD100710TAS		✓✓
09	57	67935-2	T100410B.m	✓
11	58	67967-2		✓
13	59	-3		✓
15	60	-4		✓
17	61	-1		✓
19	62	67947-3 gg 10/12/10	T100410B.m / TC10410B.m	✓
21	51	T6811 #2 FO RT STD		✓
23 SC	52	T6798 #2 FO 0.5		✓
25 SC	53	T6799 #2 FO 1.0		✓

gg 10/12/10

Standard Dilutions:
1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Response Factor Report INST G

Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010

Calibration Files
0.02 =G69571SI.D 0.05 =G69573SI.D 0.1 =G69575SI.D
0.5 =G69577SI.D 1.0 =G69579SI.D 2.0 =G69581SI.D

		Compound	0.02	0.05	0.1	0.5	1.0	2.0	Avg		%RSI
1)	S	M-TERPHENYL	3.462	2.873	2.308	2.327	2.393	2.470	2.613	E4	14.7
2)	HM	TPH LOW (<1.0)	2.765	1.709	1.601	1.723	1.997	2.027	2.069	E7	18.3
3)	HM	TPH HIGH (>1.0)	2.765	1.709	1.601	1.723	1.997	2.027	2.069	E7	18.3

(#) = Out of Range ### Number of calibration levels exceeded format ###
T100410B.M Thu Oct 07 15:46:22 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : D:\TPH\100410-G.SEC\G69571SI.D
Acq On : 5 Oct 2010 2:28 pm
Sample : T6786 #2 FO 0.025 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:39 2010 Quant Results File: T100410B.RES

Vial: 52
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/7/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.60	86555	3.301 ug/ml
Spiked Amount 100.000 Range 60 - 140 Recovery = 3.30%#			
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	691372	0.035 mg/ml
3) HM TPH HIGH (>1.0)	16.45	691372	0.035 mg/ml

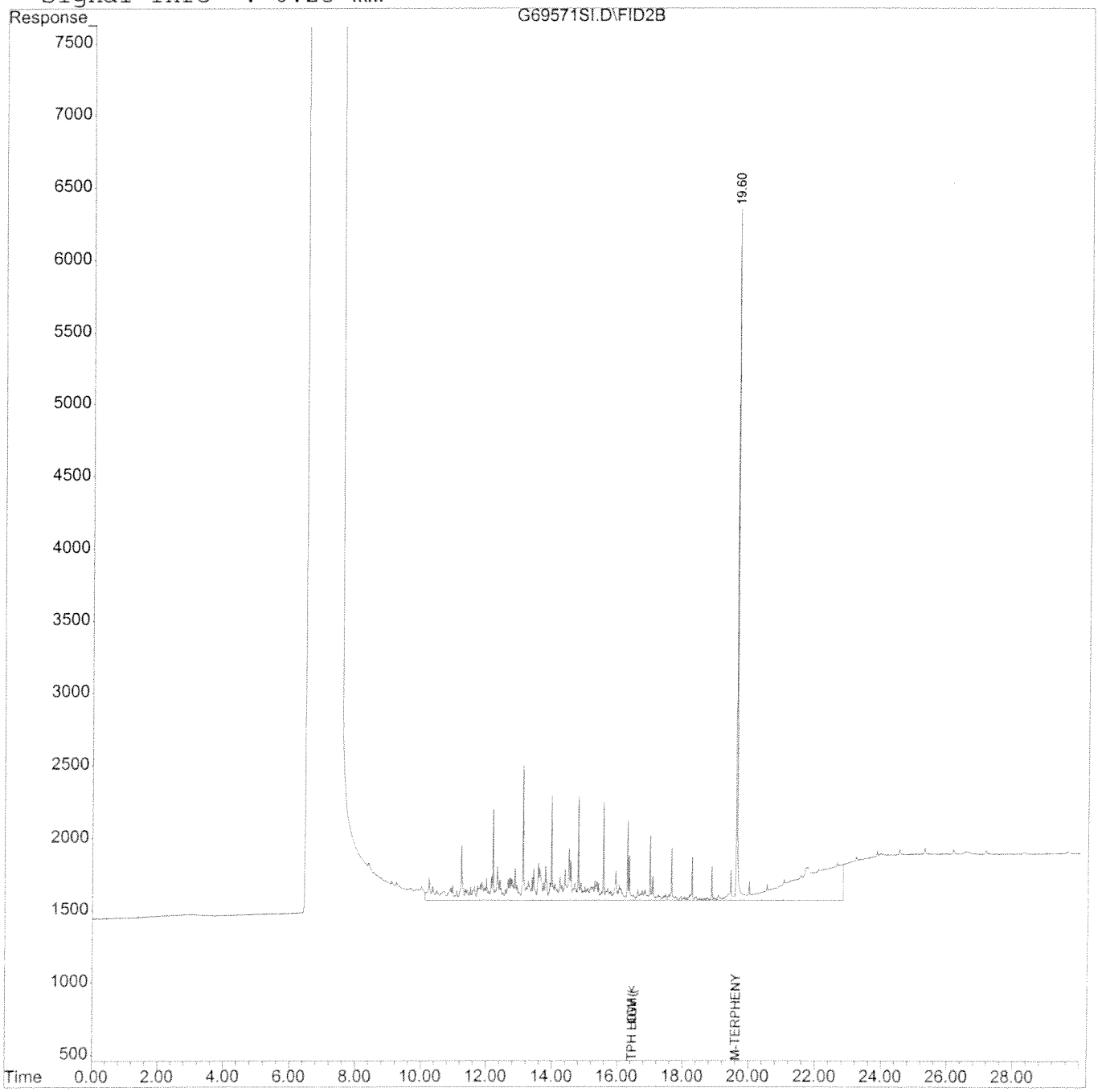
VMT 10/7/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100410-G.SEC\G69571SI.D Vial: 52
Acq On : 5 Oct 2010 2:28 pm Operator: JJL
Sample : T6786 #2 FO 0.025 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:39 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



Quantitation Report (Not Reviewed)

Data File : D:\TPH\100410-G.SEC\G69573SI.D Vial: 53
Acq On : 5 Oct 2010 3:12 pm Operator: JJL
Sample : T6787 #2 FO 0.05 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:39 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

SS 10/7/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.61	143635	5.478 ug/ml
Spiked Amount 100.000 Range 60 - 140 Recovery = 5.48%#			
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	854398	0.043 mg/ml
3) HM TPH HIGH (>1.0)	16.45	854398	0.043 mg/ml

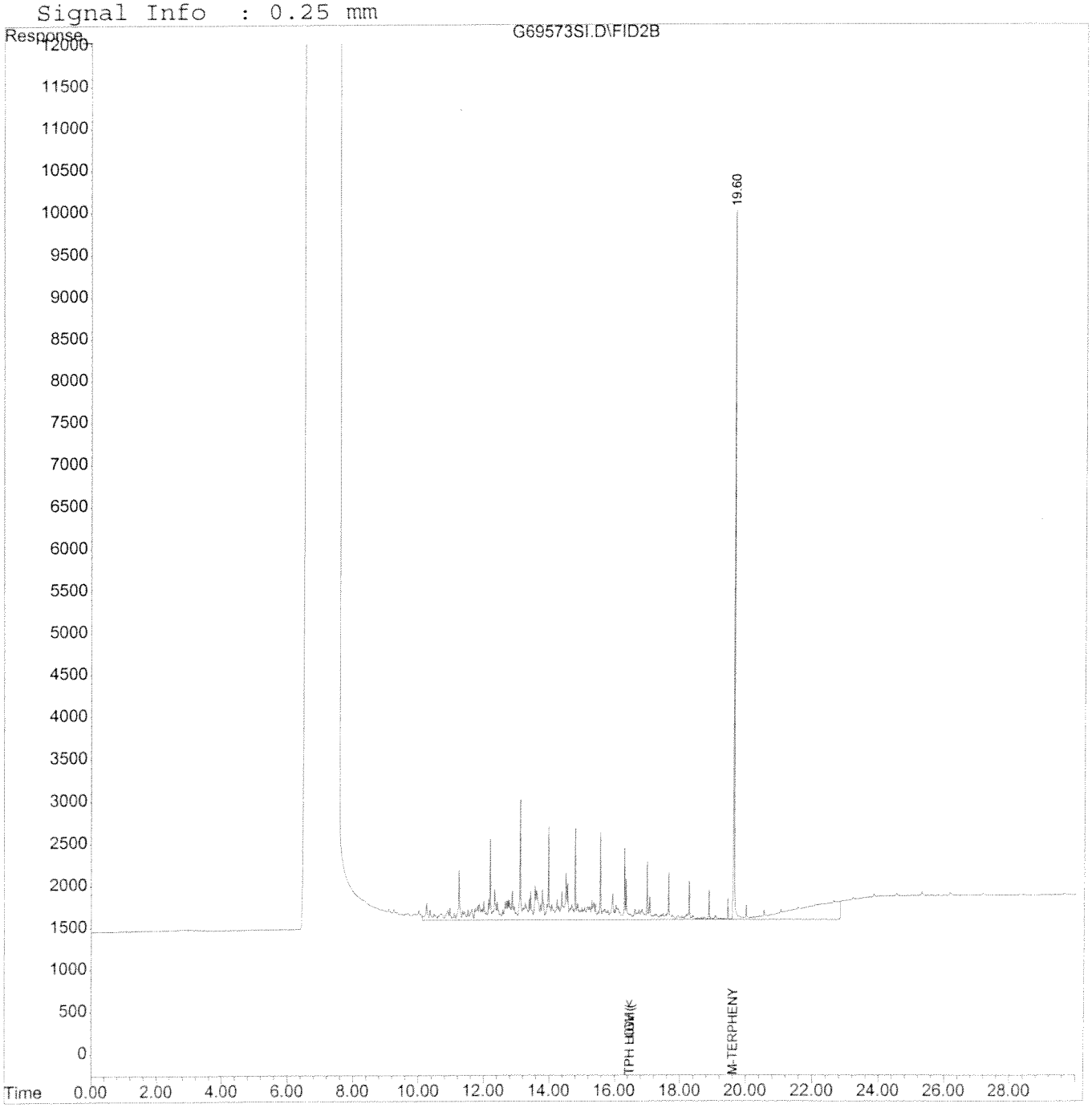
VMT 10/7/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100410-G.SEC\G69573SI.D
Vial: 53
Acq On : 5 Oct 2010 3:12 pm
Operator: JJL
Sample : T6787 #2 FO 0.05 MG/ML
Inst : INST G
Misc :
Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:39 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



Quantitation Report (Not Reviewed)

Data File : D:\TPH\100410-G.SEC\G69575SI.D Vial: 54
Acq On : 5 Oct 2010 3:47 pm Operator: JJL
Sample : T6788 #2 FO 0.1 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:39 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

SS 10/7/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.64	230779	8.802 ug/ml
Spiked Amount 100.000 Range 60 - 140 Recovery = 8.80%#			
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	1600902	0.080 mg/ml
3) HM TPH HIGH (>1.0)	16.45	1600902	0.080 mg/ml

VMT 10/7/10

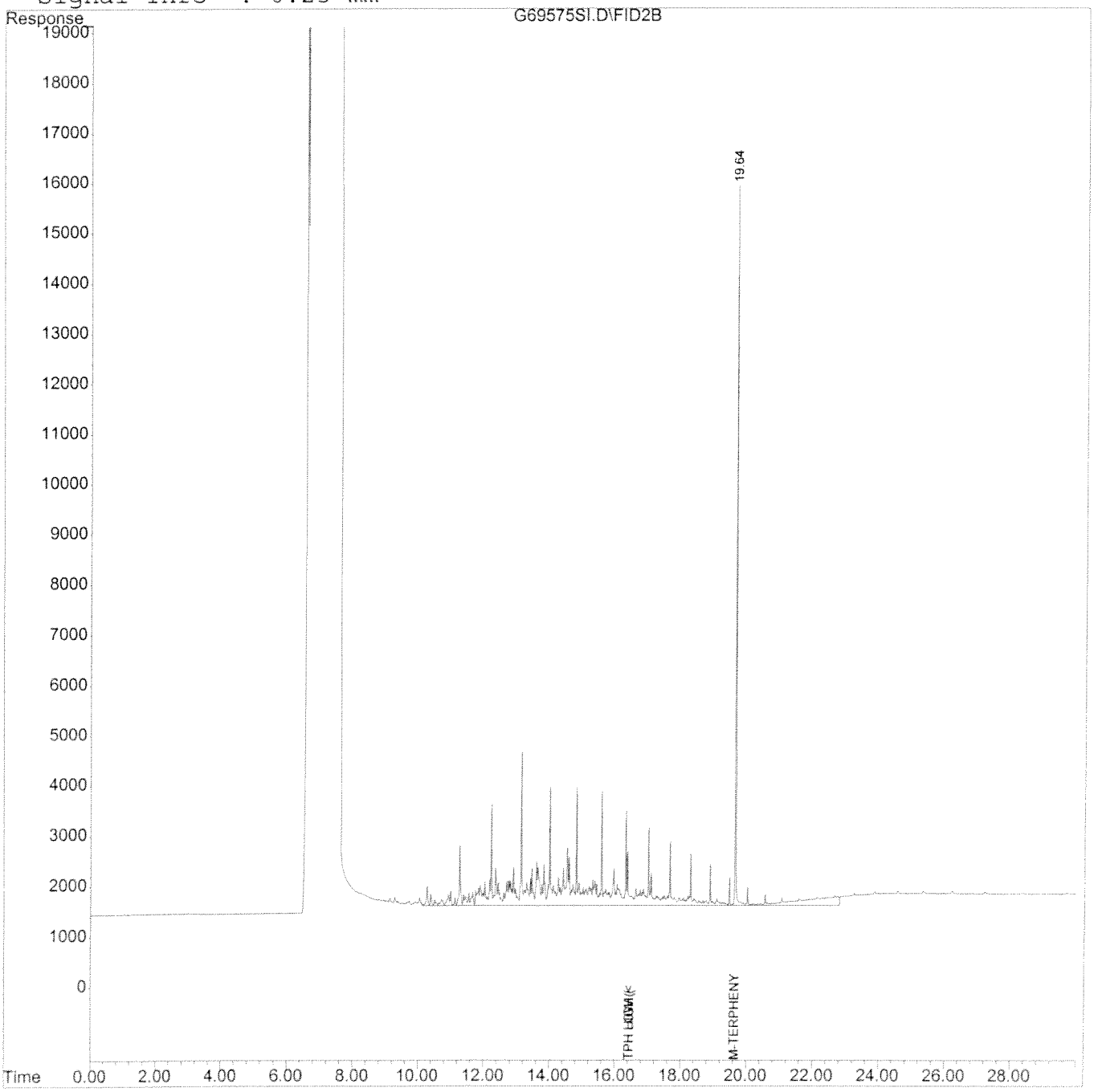
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\TPH\100410-G.SEC\G69575SI.D Vial: 54
Acq On : 5 Oct 2010 3:47 pm Operator: JJL
Sample : T6788 #2 FO 0.1 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:39 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



Quantitation Report (Not Reviewed)

Data File : D:\TPH\100410-G.SEC\G69577SI.D
Vial: 55
Acq On : 5 Oct 2010 4:22 pm
Operator: JJL
Sample : T6798 #2 FO 0.5 MG/ML
Inst : INST G
Misc :
Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:39 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

SS 10/7/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.66	1163388	44.374 ug/ml
Spiked Amount 100.000 Range 60 - 140 Recovery = 44.37%#			
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	8616064	0.431 mg/ml
3) HM TPH HIGH (>1.0)	16.45	8616064	0.431 mg/ml

VMT 10/7/10

(f)=RT Delta > 1/2 Window (m)=manual int.

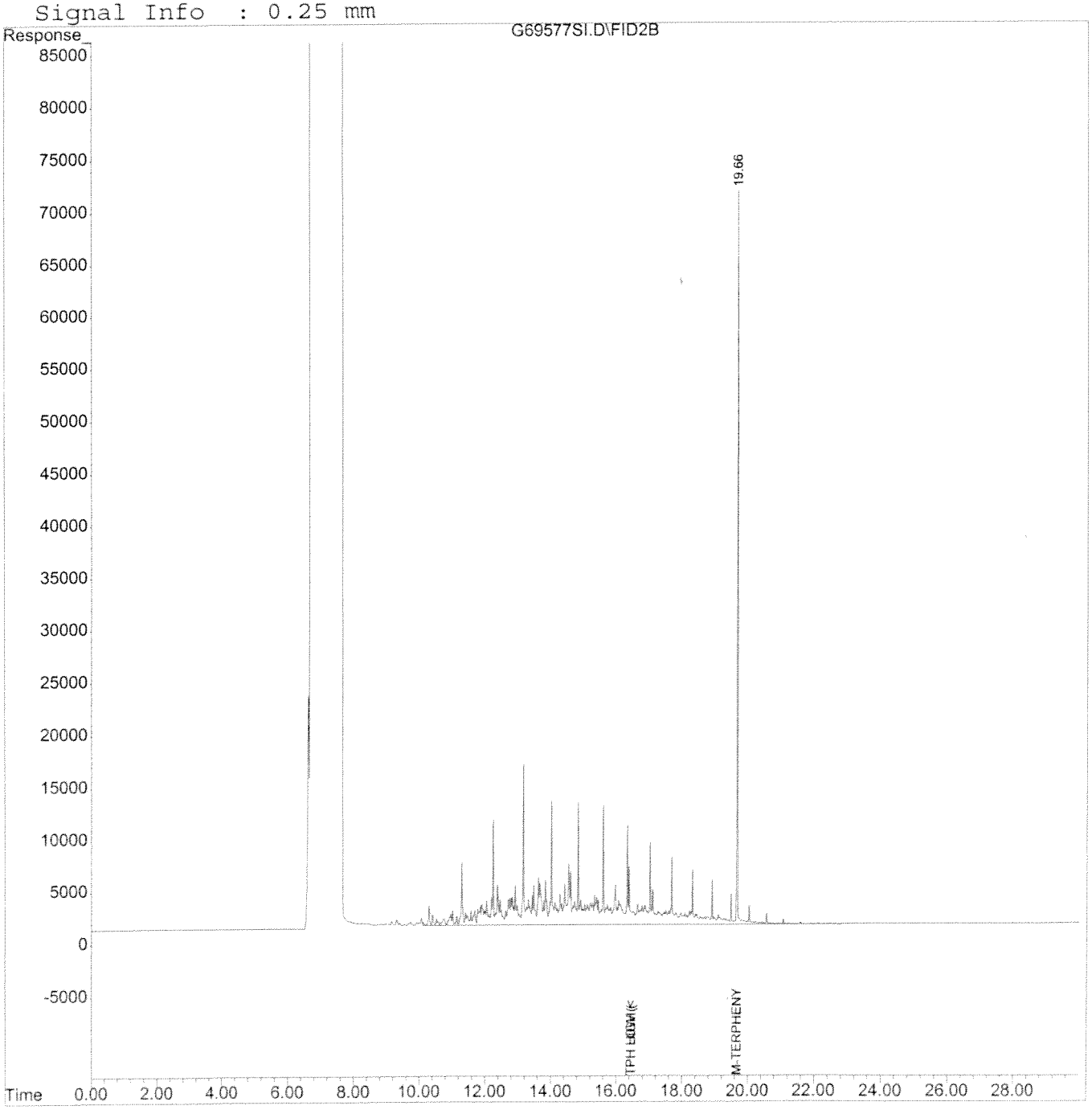
Quantitation Report (Not Reviewed)

Data File : D:\TPH\100410-G.SEC\G69577SI.D
Acq On : 5 Oct 2010 4:22 pm
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:39 2010 Quant Results File: T100410B.RES

Vial: 55
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



Quantitation Report (Not Reviewed)

Data File : D:\TPH\100410-G.SEC\G69579SI.D
Acq On : 5 Oct 2010 5:03 pm
Sample : T6799 #2 FO 1.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:40 2010 Quant Results File: T100410B.RES

Vial: 56
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/7/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.67	2392609	91.258 ug/ml
Spiked Amount 100.000 Range 60 - 140 Recovery = 91.26%			
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	19965537	1.000 mg/ml
3) HM TPH HIGH (>1.0)	16.45	19965537	1.000 mg/ml

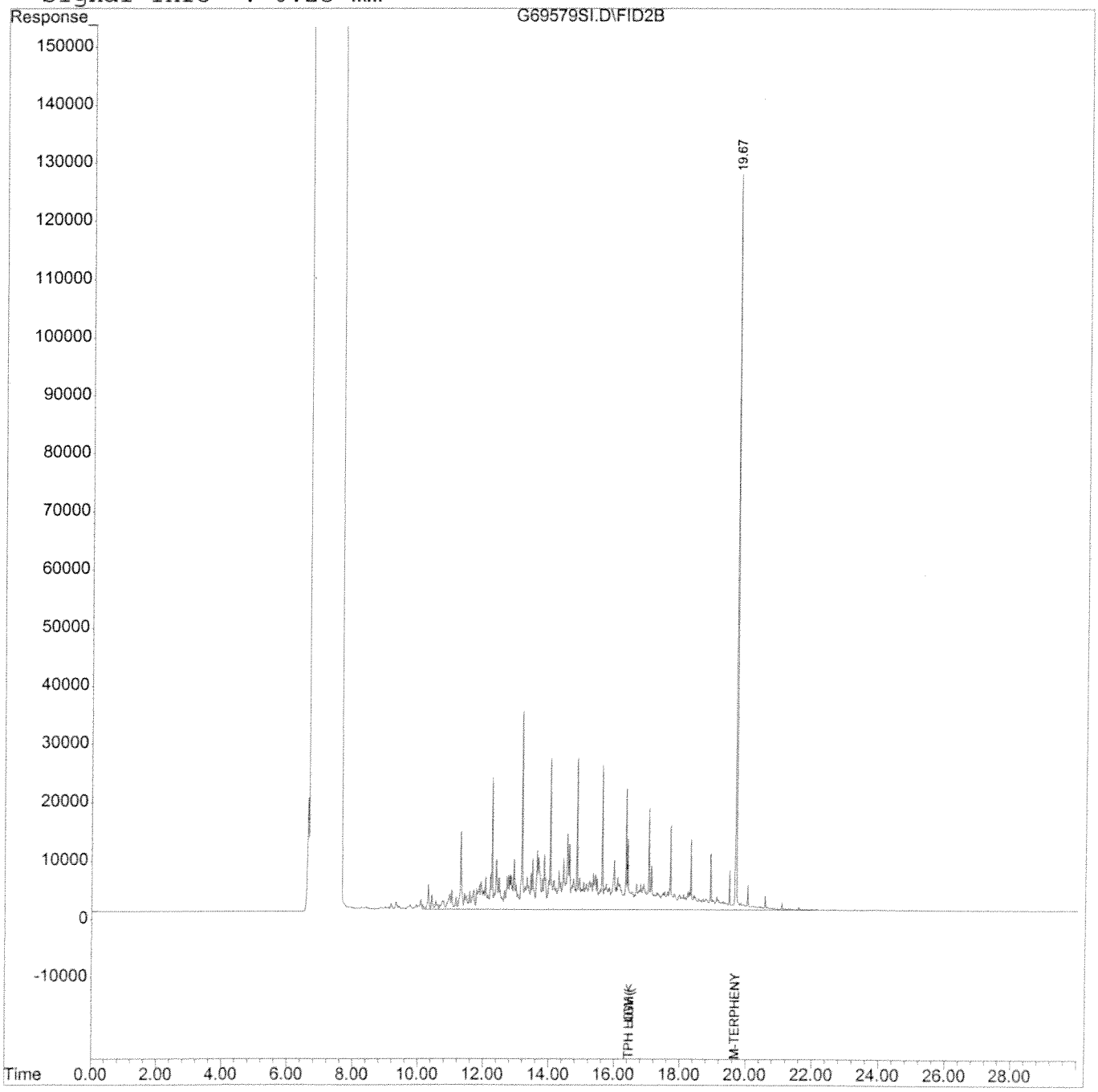
VMT 10/7/10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100410-G.SEC\G69579SI.D Vial: 56
Acq On : 5 Oct 2010 5:03 pm Operator: JJL
Sample : T6799 #2 FO 1.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:40 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



Quantitation Report (Not Reviewed)

Data File : D:\TPH\100410-G.SEC\G69581SI.D
Acq On : 5 Oct 2010 5:47 pm
Sample : T6789 #2 FO 2.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:40 2010 Quant Results File: T100410B.RES

Vial: 57
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

BS 10/7/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.67	4939549	188.403 ug/ml
Spiked Amount 100.000 Range 60 - 140 Recovery = 188.40%#			
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	40544442	2.030 mg/ml
3) HM TPH HIGH (>1.0)	16.45	40544442	2.030 mg/ml

JMT 10/7/10

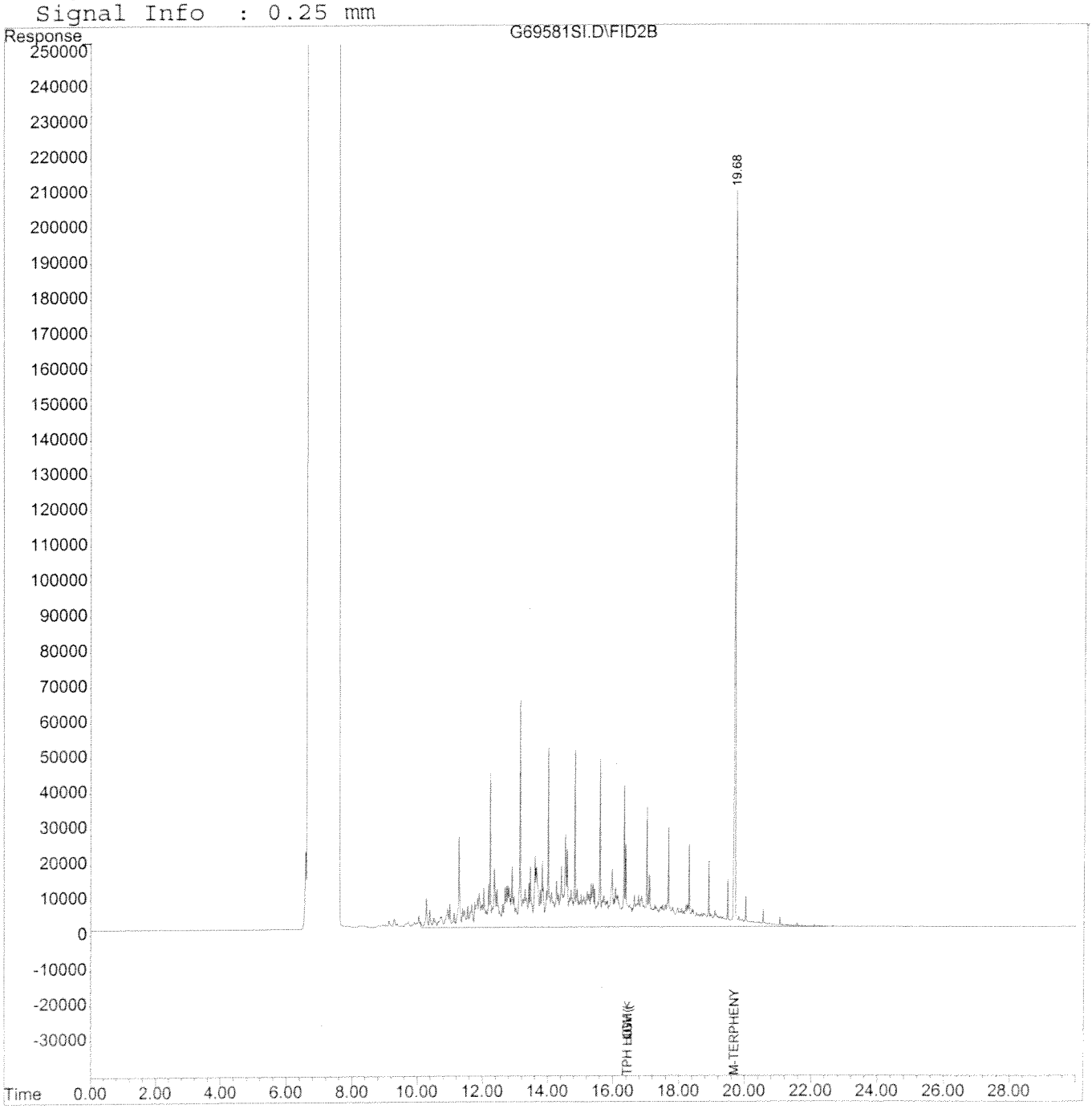
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : D:\TPH\100410-G.SEC\G69581SI.D Vial: 57
Acq On : 5 Oct 2010 5:47 pm Operator: JJL
Sample : T6789 #2 FO 2.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:40 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



Quantitation Report (Not Reviewed)

Data File : D:\TPH\100410-G.SEC\G69583SI.D Vial: 58
Acq On : 5 Oct 2010 6:16 pm Operator: JJL
Sample : T6790 #2 FO 5.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:40 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/7/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.70	12522048	477.613 ug/ml
Spiked Amount 100.000 Range 60 - 140		Recovery =	477.61%#
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	106254692	5.320 mg/ml
3) HM TPH HIGH (>1.0)	16.45	106254692	5.320 mg/ml

VMT 10/7/10

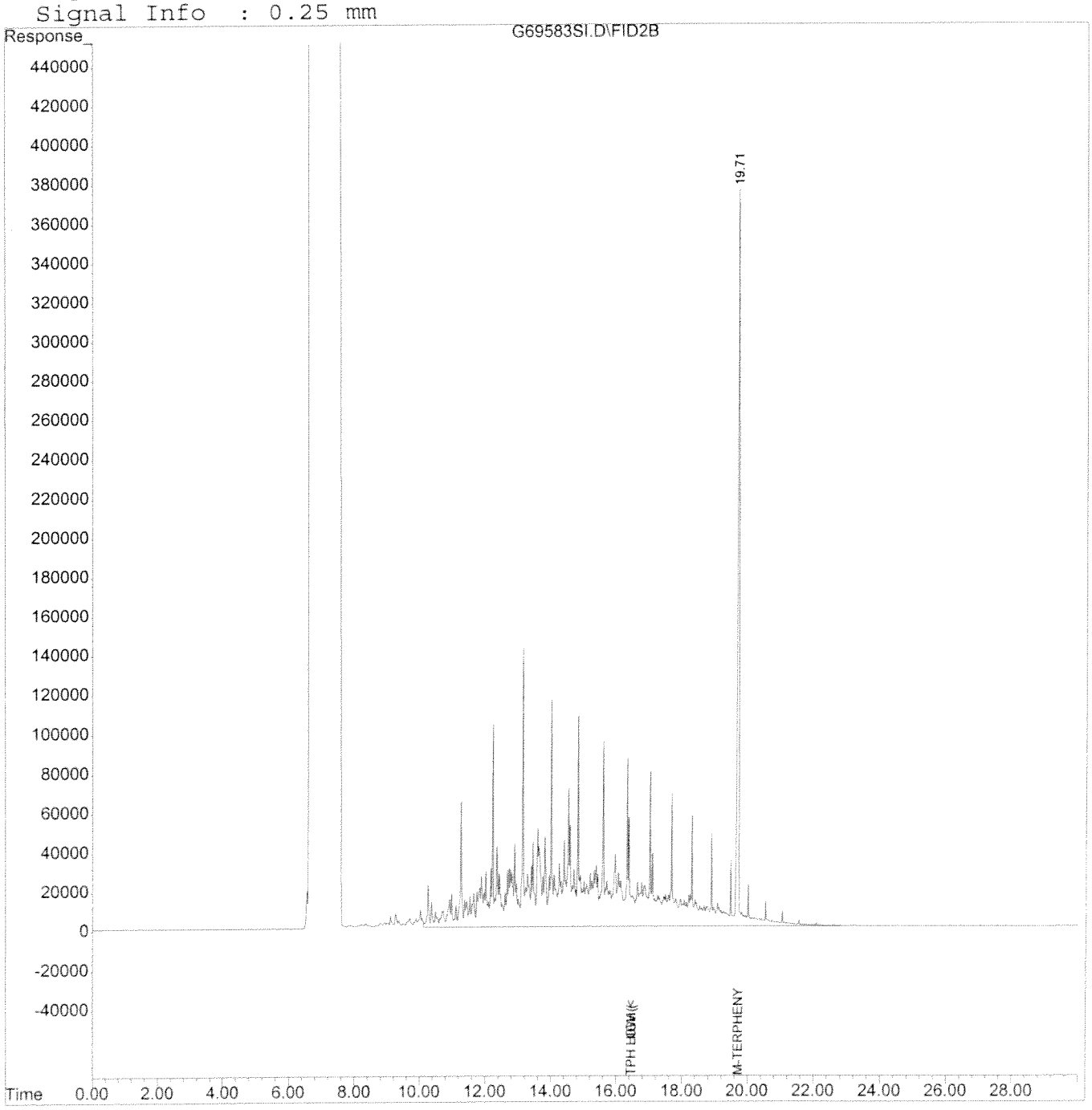
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100410-G.SEC\G69583SI.D
Acq On : 5 Oct 2010 6:16 pm
Sample : T6790 #2 FO 5.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:40 2010 Quant Results File: T100410B.RES

Vial: 58
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



Quantitation Report (Not Reviewed)

Data File : D:\TPH\100410-G.SEC\G69585SI.D
Acq On : 5 Oct 2010 7:00 pm
Sample : T6791 #2 FO 10.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:40 2010 Quant Results File: T100410B.RES

Vial: 59
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/7/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.74	25707720	980.537 ug/ml
Spiked Amount 100.000 Range 60 - 140 Recovery = 980.54%#			
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	218053204	10.917 mg/ml
3) HM TPH HIGH (>1.0)	16.45	218053204	10.917 mg/ml

MT 10/7/10

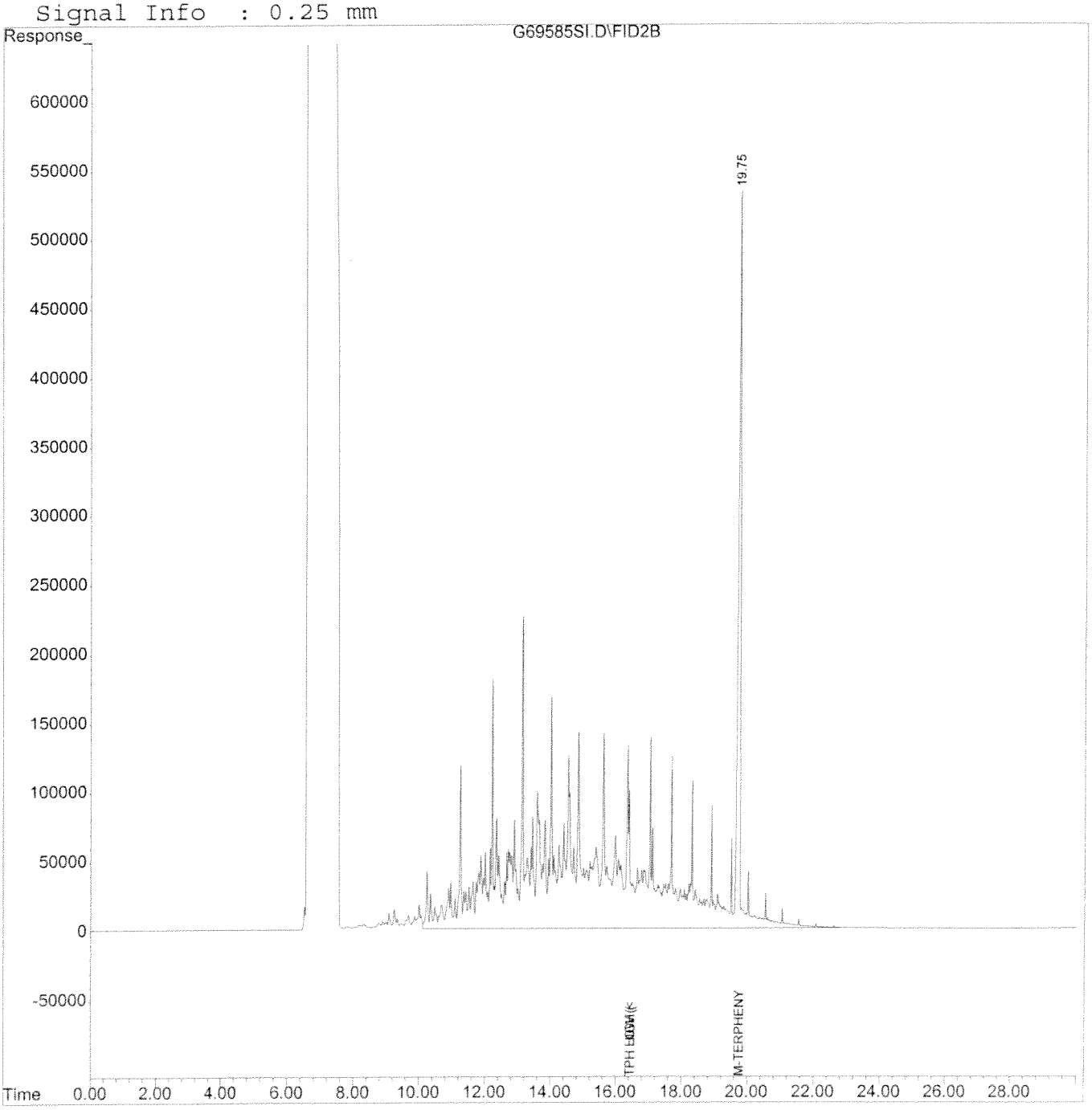
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100410-G.SEC\G69585SI.D
Acq On : 5 Oct 2010 7:00 pm
Sample : T6791 #2 FO 10.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:40 2010 Quant Results File: T100410B.RES

Vial: 59
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



Quantitation Report (Not Reviewed)

Data File : D:\TPH\100410-G.SEC\G69587SI.D
Acq On : 5 Oct 2010 7:30 pm
Sample : T6792 #2 FO 25.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:40 2010 Quant Results File: T100410B.RES

Vial: 60
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

gs 10/7/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.55	2070544	78.974 ug/ml
Spiked Amount 100.000 Range 60 - 140 Recovery = 78.97%			
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	623943722	31.237 mg/ml
3) HM TPH HIGH (>1.0)	16.45	623943722	31.237 mg/ml

10/7/10

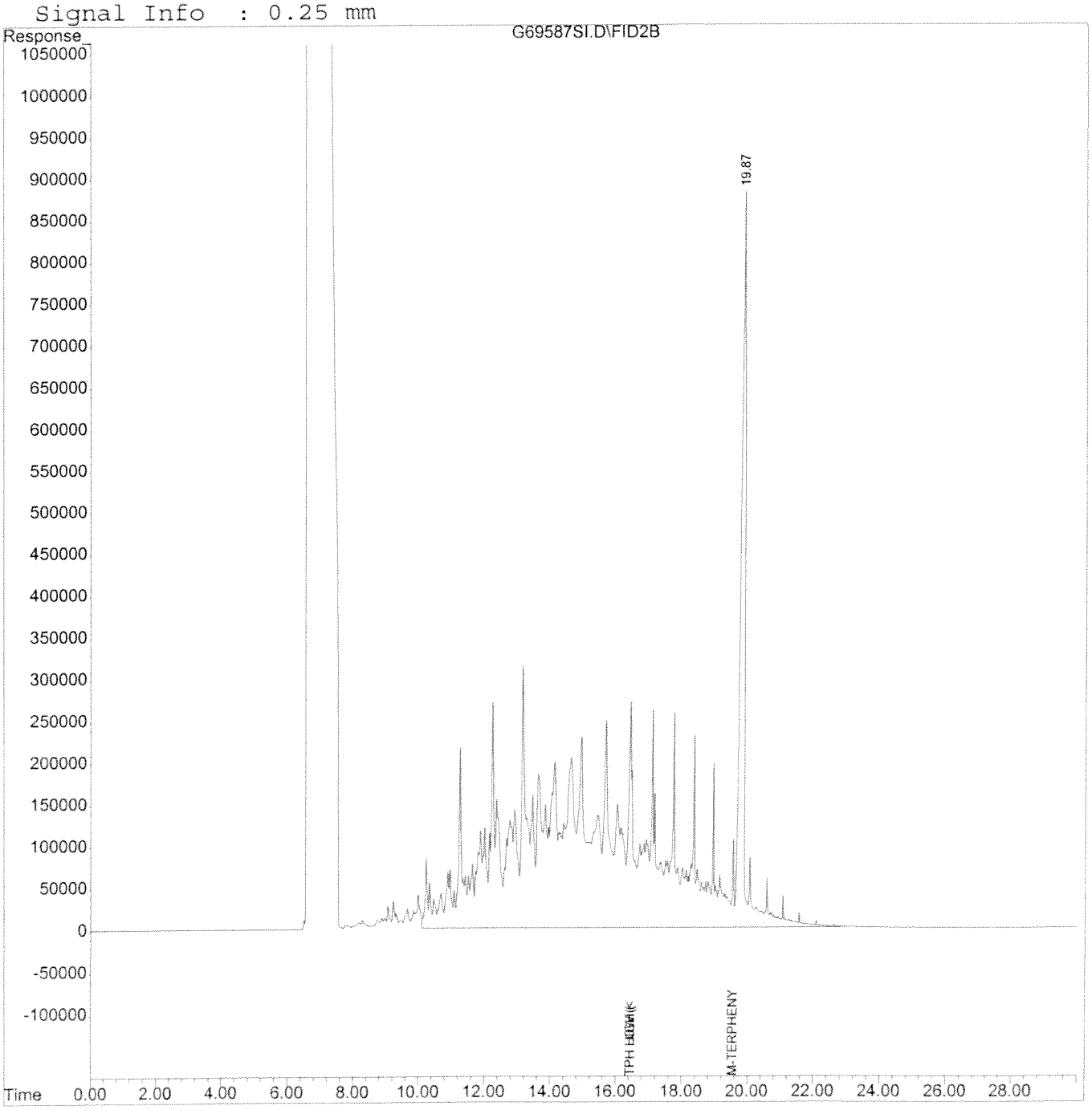
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100410-G.SEC\G69587SI.D
Acq On : 5 Oct 2010 7:30 pm
Sample : T6792 #2 FO 25.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:40 2010 Quant Results File: T100410B.RES

Vial: 60
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



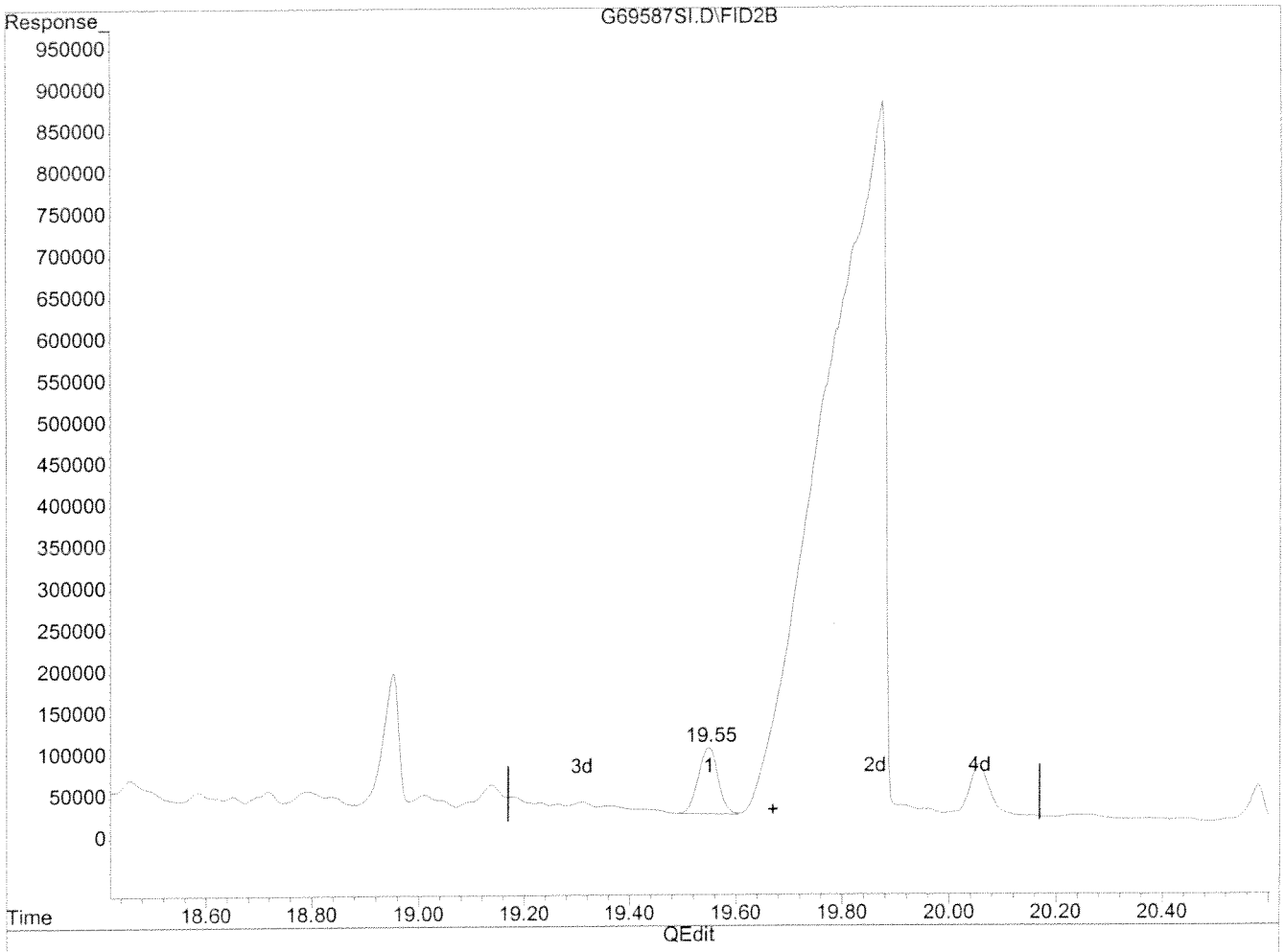
Quantitation Report (QEdit)

Data File : D:\TPH\100410-G.SEC\G69587SI.D
Acq On : 5 Oct 2010 7:30 pm
Sample : T6792 #2 FO 25.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:40 2010 Quant Results File: T100410B.RES

Vial: 60
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Multiple Level Calibration

gg 10/7/10
*m.p.



(1) M-TERPHENYL (S)

19.55min 78.974ug/ml

response 2070544

VMT 10/7/10

(+) = Expected Retention Time

G69587SI.D T100410B.M Thu Oct 07 15:41:02 2010

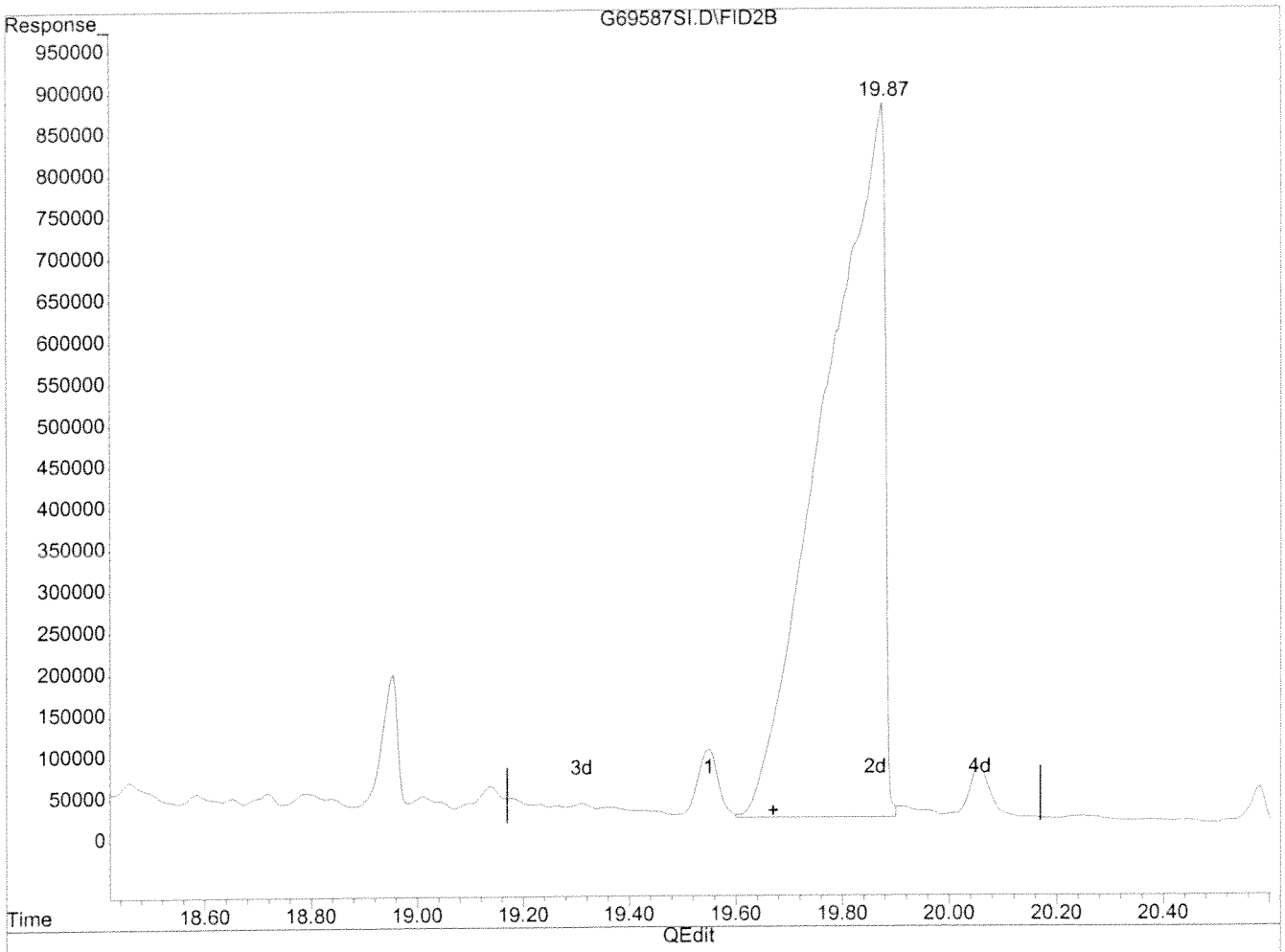
Quantitation Report (QEdit)

Data File : D:\TPH\100410-G.SEC\G69587SI.D
Acq On : 5 Oct 2010 7:30 pm
Sample : T6792 #2 FO 25.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:40 2010 Quant Results File: T100410B.RES

Vial: 60
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:38:34 2010
Response via : Multiple Level Calibration

JJL 10/7/10



(1) M-TERPHENYL (S)

19.87min 2573.382ug/ml m

response 67468915

JMT 10/7/10

(+) = Expected Retention Time

G69587SI.D T100410B.M Thu Oct 07 15:41:09 2010

TOTAL PETROLEUM HYDROCARBONS
INITIAL CALIBRATION VERIFICATION

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: T6796 #2 FO CC 1.0 MG/
Data File ID: G69589Q.D

COMPOUND	STANDARD RESULT (mg/mL)	% Recovery	#
M-TERPHENYL	91.4	91	
TPH LOW (<1.0)	1.051	105	
TPH HIGH (>1.0)	1.051	105	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

TPH FORM 7

Quantitation Report (Not Reviewed)

Data File : D:\TPH\100410-G.SEC\G69589Q.D
Acq On : 5 Oct 2010 8:14 pm
Sample : T6796 #2 FO CC 1.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:45 2010 Quant Results File: T100410B.RES

Vial: 61
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

BB 10/7/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.62	2389162	91.420 ug/ml
Spiked Amount 100.000 Range 60 - 140 Recovery = 91.42%			
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	21747838	1.051 mg/ml
3) HM TPH HIGH (>1.0)	16.45	21747838	1.051 mg/ml

VMT 10/7/10

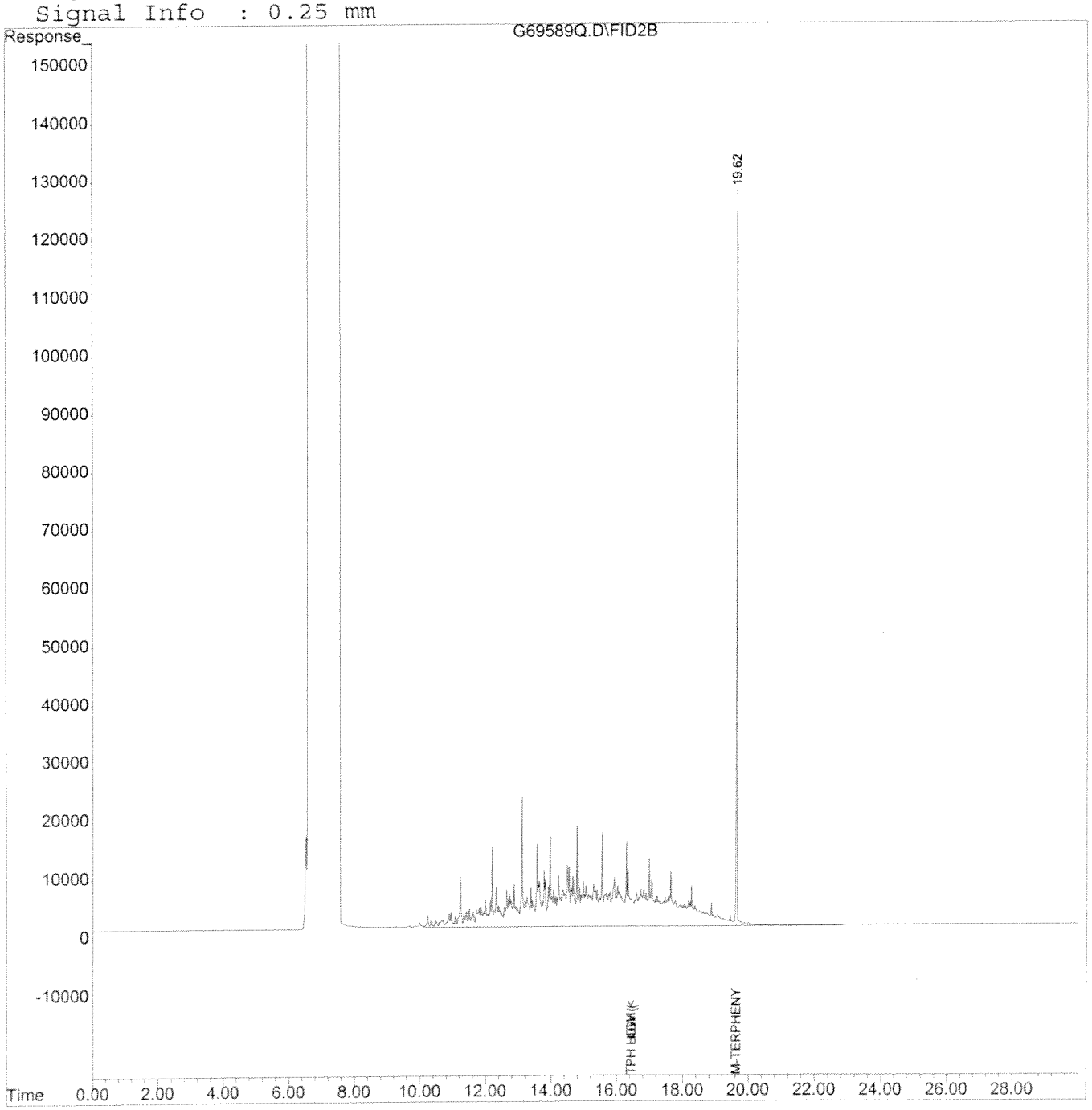
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100410-G.SEC\G69589Q.D
Acq On : 5 Oct 2010 8:14 pm
Sample : T6796 #2 FO CC 1.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 7 15:45 2010 Quant Results File: T100410B.RES

Vial: 61
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



TOTAL PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: T6798 #2 FO 0.5 MG/ML
Data File ID: G69701.D

COMPOUND	STANDARD RESULT (mg/mL)	% Recovery	#
M-TERPHENYL	51.8	104	
TPH LOW (<1.0)	0.484	97	
TPH HIGH (>1.0)	0.484	97	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

TPH FORM 7

Data File : D:\TPH\100810-G.SEC\G69701.D Vial: 52
Acq On : 8 Oct 2010 12:50 pm Operator: JJL
Sample : T6798 #2 FO 0.5 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 12 15:44 2010 Quant Results File: T100410B.RES

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

gg 10/12/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.60	1352488	51.752 ug/ml
Spiked Amount 100.000	Range 60 - 140	Recovery =	51.75%#
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	10019750	0.484 mg/ml
3) HM TPH HIGH (>1.0)	16.45	10019750	0.484 mg/ml

10-14-10

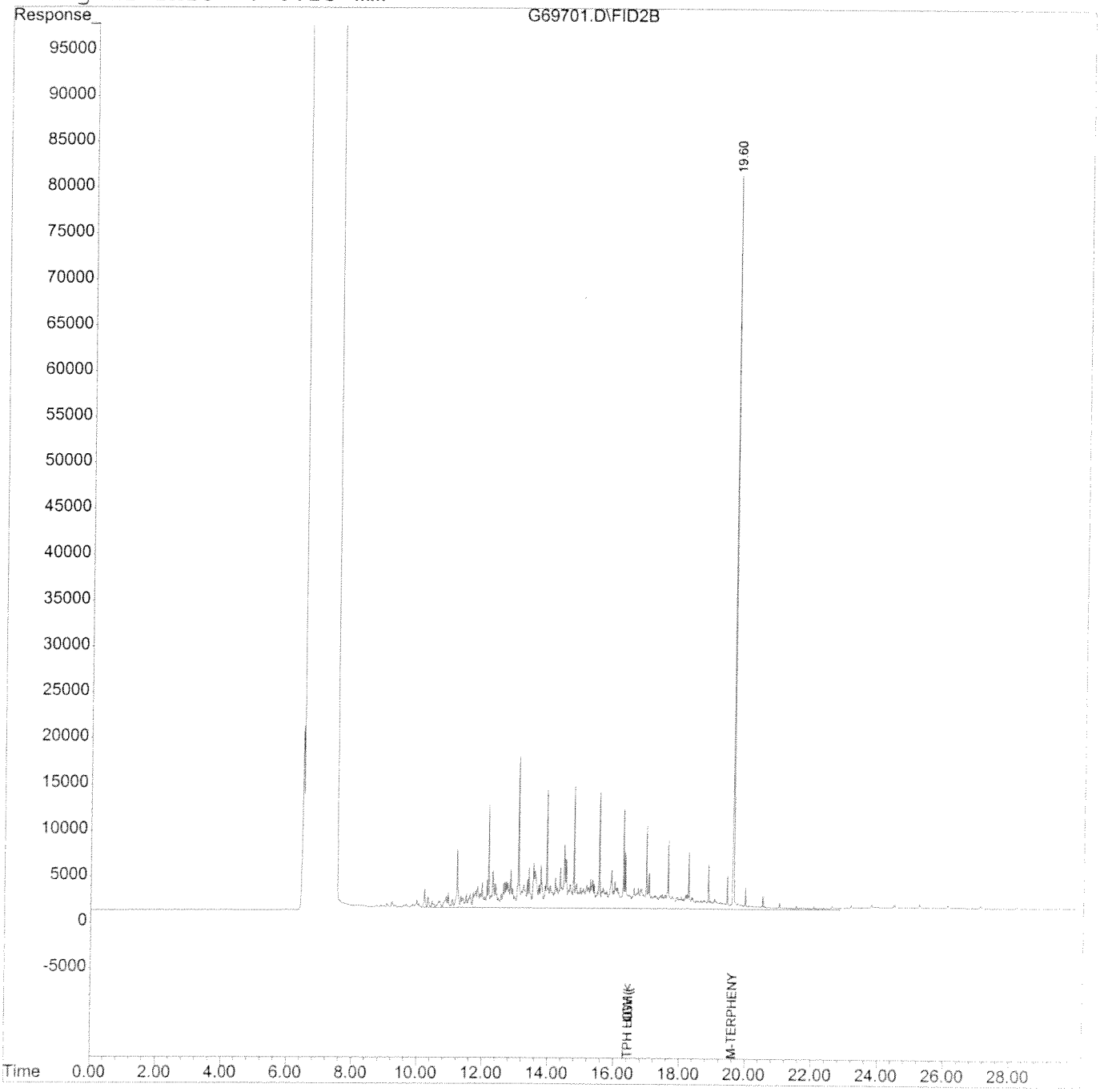
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100810-G.SEC\G69701.D
Acq On : 8 Oct 2010 12:50 pm
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 15:44 2010 Quant Results File: T100410B.RES

Vial: 52
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



TOTAL PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: T6798 #2 FO 0.5 MG/ML
Data File ID: G69723SC.D

COMPOUND	STANDARD RESULT (mg/mL)	% Recovery	#
M-TERPHENYL	51.4	103	
TPH LOW (<1.0)	0.517	103	
TPH HIGH (>1.0)	0.517	103	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

TPH FORM 7

Data File : D:\TPH\100810-G.SEC\G69723SC.D
Acq On : 8 Oct 2010 8:06 pm
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 16:46 2010 Quant Results File: T100410B.RES

Vial: 52
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/12/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.61	1343277	51.400 ug/ml
Spiked Amount 100.000	Range 60 - 140	Recovery =	51.40%#
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	10691418	0.517 mg/ml
3) HM TPH HIGH (>1.0)	16.45	10691418	0.517 mg/ml

JJL 10-14-10

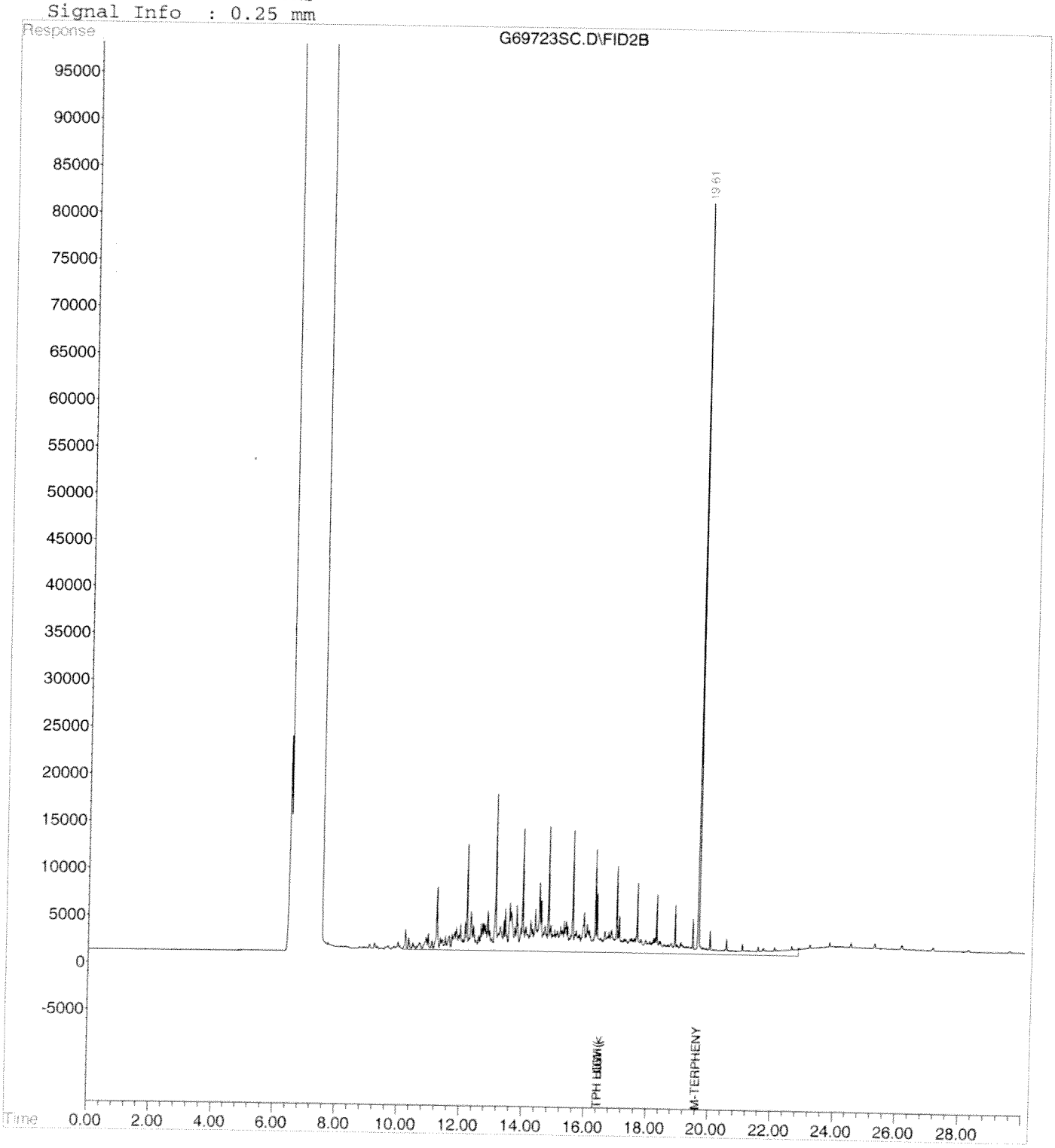
(f)=RT Delta > 1/2 Window (m)=manual int.
G69723SC.D T100410B.M Tue Oct 12 16:47:27 2010

Data File : D:\TPH\100810-G.SEC\G69723SC.D
Acq On : 8 Oct 2010 8:06 pm
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 16:46 2010 Quant Results File: T100410B.RES

Vial: 52
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



TOTAL PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: T6799 #2 FO 1.0 MG/ML
Data File ID: G69725SC.D

COMPOUND	STANDARD RESULT (mg/mL)	% Recovery	#
M-TERPHENYL	111.4	111	
TPH LOW (<1.0)	1.149	115	
TPH HIGH (>1.0)	1.149	115	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

TPH FORM 7

Data File : D:\TPH\100810-G.SEC\G69725SC.D
Acq On : 8 Oct 2010 8:36 pm
Sample : T6799 #2 FO 1.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 16:47 2010 Quant Results File: T100410B.RES

Vial: 53
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

gg 10/12/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	19.63	2910746	111.379 ug/ml
Spiked Amount 100.000	Range 60 - 140	Recovery = 111.38%	
Target Compounds			
2) HM TPH LOW (<1.0)	16.45	23768676	1.149 mg/ml
3) HM TPH HIGH (>1.0)	16.45	23768676	1.149 mg/ml

JL 10.14.10

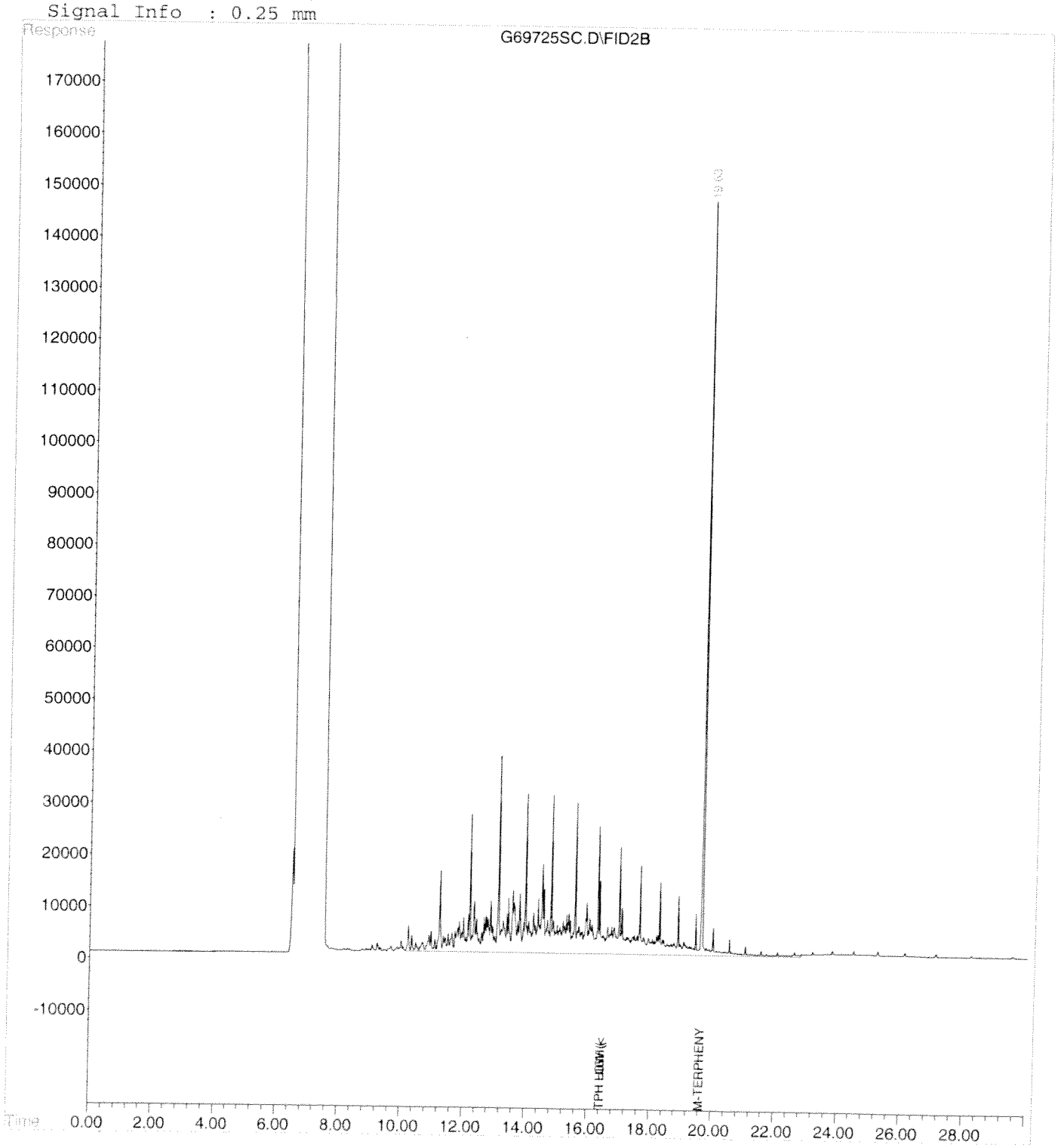
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100810-G.SEC\G69725SC.D
Acq On : 8 Oct 2010 8:36 pm
Sample : T6799 #2 FO 1.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 12 16:47 2010 Quant Results File: T100410B.RES

Vial: 53
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100410B.M (Chemstation Integrator)
Title : DRO
Last Update : Thu Oct 07 15:45:42 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



INORGANIC RESULTS

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-DC-01

SAMPLE DATA

Lab Sample ID: 67967-1
Matrix: Solid
Collection Date: 10/06/10 Time Collected: 7:15
Lab Receipt Date: 10/06/10
Analysis Date: 10/08/10 Time Analyzed: 1:58

pH ANALYSIS

Sample	Result	Units
67967-1	**7.1**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-APN-01

SAMPLE DATA

Lab Sample ID: 67967-2
Matrix: Solid
Collection Date: 10/06/10 Time Collected: 7:20
Lab Receipt Date: 10/06/10
Analysis Date: 10/08/10 Time Analyzed: 2:01

pH ANALYSIS

Sample	Result	Units
67967-2	**7.3**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-GTM-01

SAMPLE DATA

Lab Sample ID: 67967-3
Matrix: Solid
Collection Date: 10/06/10 Time Collected: 7:30
Lab Receipt Date: 10/06/10
Analysis Date: 10/08/10 Time Analyzed: 2:04

pH ANALYSIS

Sample	Result	Units
67967-3	**7.9**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-GTM-02

SAMPLE DATA

Lab Sample ID: 67967-4
Matrix: Solid
Collection Date: 10/06/10 Time Collected: 7:40
Lab Receipt Date: 10/06/10
Analysis Date: 10/08/10 Time Analyzed: 2:07

pH ANALYSIS

Sample	Result	Units
67967-4	**8.0**	pH Units

METHODOLOGY: Sample analyzed according to "EPA SW 846 Method 9045 pH in solid"

COMMENTS:

Authorized signature

~~EPA 600, Method 150.1~~
SM 4500B
SW-846 Method 9045C
~~SW-846 Method 9040B~~

DATE 10/8/10

	Buffers			Acceptable Limits		
				92-102	18-25	
	4.00	7.00	10.00	Slope	Temp deg C	Analyst
pH Meter Calibration	—	7.00	10.01	95.7	19.5	SC

Manufacturer Lot #'s/Exp Date:

4.0 Buffer —
7.0 Buffer 1912 / x 9/14
10.0 Buffer 1450 / x 3/14
7.0 Second Source/ QC Buffer 0008-26 x 1.16.12

Note: If sample contains water -Table 1 above must be completed for the sample

	AEL Sample #	Analyst	Matrix	If Solid Matrix Wt (g)	If Solid Matrix H20 (ml)	pH / Time	Temp * °C	pH Dup / Time *	Temp dup * °C	Reporting Ave. pH
1	QC Buffer Check 7.0	SC	Std.	—	—	7.02 / 156 AM	19.5	6.98 / 157 AM	19.5	7.00
2										
3	67967-1	SC	Sld.	20.32	20	7.08 / 158 AM	19.0	7.01 / 158 AM	19.0	7.05
4										
5	67967-2	SC	Sld.	20.55	20	7.26 / 200 AM	19.5	7.26 / 201 AM	19.5	7.26
6										
7	67967-3	SC	Sld.	20.2	20	7.90 / 204 AM	18.5	7.98 / 204 AM	18.5	7.94
8										
9	67967-4	SC	Sld.	20.66	20	7.99 / 206 AM	18.5	7.94 / 207 AM	18.0	7.97
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

SC 10/8/10

✓SC 10/8/10
✓EB 10.8.10

Notes - pH must be taken at ambient temperature
- QC buffer check must be +/- .05 pH units.
* Duplicate pH measurements must be +/- .10 pH units.

Temperature must be between 18-25 C

Stir/hot plate ID: htplt-1

pH Meter ID: Orion 230A
pH probe ID: OTI-12329

Alcohol Therm. #: Ae1012010-5
Calibration Date: 1.20.10
Correction Factor (CF): 0

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Client Sample ID:	WC-B82-DC-01

SAMPLE DATA

Lab Sample ID:	67967-1
Matrix:	Solid
Collection Date:	10/06/10 7:15
Lab Receipt Date:	10/06/10
Analysis Date:	10/06/10

Flash Point Analysis

Sample	Result	Units
67967-1	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Client Sample ID:	WC-B82-APN-01

SAMPLE DATA

Lab Sample ID:	67967-2
Matrix:	Solid
Collection Date:	10/06/10 7:20
Lab Receipt Date:	10/06/10
Analysis Date:	10/06/10

Flash Point Analysis

Sample	Result	Units
67967-2	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Client Sample ID:	WC-B82-GTM-01

SAMPLE DATA

Lab Sample ID:	67967-3
Matrix:	Solid
Collection Date:	10/06/10 7:30
Lab Receipt Date:	10/06/10
Analysis Date:	10/06/10

Flash Point Analysis

Sample	Result	Units
67967-3	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 20, 2010

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Client Sample ID:	WC-B82-GTM-02

SAMPLE DATA

Lab Sample ID:	67967-4
Matrix:	Solid
Collection Date:	10/06/10 7:40
Lab Receipt Date:	10/06/10
Analysis Date:	10/06/10

Flash Point Analysis

Sample	Result	Units
67967-4	>165	° Fahrenheit

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

EPA Method 1010 (FLASHPOINT)

Alcohol Therm. #: AEL012010-28
Calibration Date: 1.20.10
Correction Factor (CF): 0

Date: 10.6.10
Time: 8:00AM

AEL Sample#	Analyst /witness	Matrix	Range (°F)	Flashpoint	Corrected Flash Point	Avg. Flash**	Ignitability#
p-Xylene*	EB	STD	68-80	80	80	NR	NR
Blank		SiSand	68-168	>168	>168	NR	NR
67922-1		AEL waste AQ A363	68-168	>168	>168	NR	NR
67923-1	SC	AEL waste-oil A362	68-96	96	96	NR	Fail
67924-1		AEL waste-AQ A365	68-100	100	100	NR	Pass
Blank	EB	SiSand	68-168	>168	>168	NR	NR
67967-1	SC	Soil	68-168	>168	>168	NR	NR
-2	SC		68-168	>168	>168	NR	NR
-3	SC		68-168	>168	>168	NR	NR
-4	SC		68-168	>168	>168	NR	NR

SC 10/6/10

SC 10/6/10

*Criteria for flashpoint of p-Xylene = 79°F to 83°F (81°F +/- 2°F) Standard passes yes (yes/no)

p-Xylene standard is required at the beginning of analysis and after 10 samples of analysis

Duplicate analysis must agree within 4 °F. Report average of the two corrected results.

NR= Not required.

EB 10.6.10

	Lot #	Exp: Date
Silica Sand	F161203SP	1.13.15
p-Xylene	E0410	8.6.15

Balance ID: –

Flash Apparatus ID: FLASH-1

Sample "Does ignite= Fails"

Sample "Does not ignite= Pass"

Dup, witness, blank NR after flash for AEL waste - EB 10.6.10

AEL_Documents:_TopLevelOldServer:AEL Documents LLC:logbooks:PREP LOGBOOKS.xlsFlashpoint (5) Rev 5 03/27/2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Client Sample ID:	WC-B82-DC-01

SAMPLE DATA

Lab Sample ID:	67967-1	
Matrix:	Solid	
Percent Solid	79%	
Collection Date:	10/06/10	7:15
Lab Receipt Date:	10/06/10	
Analysis Date:	10/07/10	

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	12	1
Cyanide Reactivity	U	mg/kg	13	1

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: Reactivity results are expressed on a dry weight basis.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Client Sample ID:	WC-B82-APN-01

SAMPLE DATA

Lab Sample ID:	67967-2	
Matrix:	Solid	
Percent Solid	88%	
Collection Date:	10/06/10	7:20
Lab Receipt Date:	10/06/10	
Analysis Date:	10/07/10	

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	11	0.9
Cyanide Reactivity	U	mg/kg	11	1

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: Reactivity results are expressed on a dry weight basis.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Client Sample ID:	WC-B82-GTM-01

SAMPLE DATA

Lab Sample ID:	67967-3	
Matrix:	Solid	
Percent Solid	80%	
Collection Date:	10/06/10	7:30
Lab Receipt Date:	10/06/10	
Analysis Date:	10/07/10	

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	12	1
Cyanide Reactivity	U	mg/kg	12	1

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: Reactivity results are expressed on a dry weight basis.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Client Sample ID:	WC-B82-GTM-02

SAMPLE DATA

Lab Sample ID:	67967-4	
Matrix:	Solid	
Percent Solid	91%	
Collection Date:	10/06/10	7:40
Lab Receipt Date:	10/06/10	
Analysis Date:	10/07/10	

REACTIVITY

	Result	Units	Detection Limit	Dilution Factor
Sulfide Reactivity	U	mg/kg	11	1
Cyanide Reactivity	U	mg/kg	10	0.9

U denotes undetected

METHODOLOGY: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS: **Reactivity results are expressed on a dry weight basis.**

Authorized signature

analytics environmental laboratory LLC

Cyanide/Sulfide Reactivity

CONC	Lot#
10ppm H_2S	M8128
10ppm HCN	M8129
40ppm H_2S	M8130
20ppm HCN	M8131

EB 10-8-10

Date: 10-7-10
Initials SC

H2S

AEL Sample#	Matrix	ml/g	mL 0.005 M H2SO4	Std#	N2 Flow	Start time/Stop time	Tube Rdg.	Final pH	DF
M8128	AQ.	10ml	250ml	M8124	60ml/min	745pm / 815	200	1.5	NR
M8130	↓	↓	↓	↓	↓	820 / 850	1100	1.5	NR
Blank	↓	↓	↓	M8125	↓	920 / 950	ND	1.5	NR
67967-1	sld	10.42g	↓	↓	↓	1000 / 1030	ND	1.5	NR
↓ -2	↓	10.62g	↓	M8126	↓	1037 / 1107	ND	1.5	NR
-3	↓	10.50g	↓	↓	↓	1115 / 1145	ND	1.5	NR
↓ -4	↓	10.44g	↓	M8127	↓	1150 / 1220	ND	1.5	NR

SC 10/8/10

HCN

AEL Sample#	Matrix	ml/g	mL 0.005 M H2SO4	Std#	N2 Flow	Start time/Stop time	Tube Rdg.	Final pH	DF
M8129	AQ.	10ml	250ml	M8124	60ml/min	745pm / 815	4	1.5	NR
M8131 EB 10-8-10	↓	↓	↓	↓	↓	820 / 850	10	1.5	NR
Blank	↓	↓	↓	M8125	↓	920 / 950	ND	1.5	NR
67967-1	sld.	10.06g	↓	↓	↓	1000 / 1030	ND	1.5	NR
↓ -2	↓	10.01g	↓	M8126	↓	1037 / 1107	ND	1.5	NR
-3	↓	10.38g	↓	↓	↓	1115 / 1145	ND	1.5	NR
↓ -4	↓	10.91g	↓	M8127	↓	1150 / 1220	ND	1.5	NR

SC 10/8/10

SC 10/8/10 / EB 10-8-10

Dilution Factor (DF)= Nominal Wt or Volume / Actual Weight or Volume

Balance ID: Sc1-3

Stir Plate ID: Str-1 H_2S
Str-2 HCN

SUBCONTRACTED REPORTS
&
NARRATIVES

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-62043-1

SDG Number: 67967

Job Description: NAS SOWEY 106-2282

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
10/28/2010 7:51 AM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
10/28/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

TestAmerica Laboratories, Inc.
TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Table of Contents

Cover Title Page 1

Data Summaries 4

- Report Narrative 4
- Sample Summary 6
- Executive Summary 7
- Method Summary 8
- Method / Analyst Summary 9
- Sample Datasheets 10
- QC Data Summary 18
- Data Qualifiers 26
- QC Association Summary 27
- Lab Chronicle 29

Inorganic Sample Data 33

- Metals Data 33
  - Met Cover Page 34
  - Met Sample Data 35
  - Met QC Data 39
    - Met ICV/CCV 39
    - Met CRQL 45
    - Met Blanks 47
    - Met ICSA/ICSAB 53
    - Met MS/MSD/PDS 57
    - Met Dup/Trip 61
    - Met LCS/LCSD 62
    - Met Serial Dilution 64
  - Met MDL 65

Table of Contents

Met IECF 71

Met Linear Ranges 74

Met Preparation Log 75

Met Analysis Run Log 77

Met Raw Data 88

Met Prep Data 270

General Chemistry Data 274

Gen Chem Cover Page 275

Gen Chem Sample Data 277

Gen Chem QC Data 285

Gen Chem Blanks 285

Gen Chem MS/MSD/PDS 287

Gen Chem Duplicates 289

Gen Chem LCS/LCSD 290

Gen Chem MDL 292

Gen Chem Analysis Run Log 294

Gen Chem Raw Data 295

Gen Chem Prep Data 433

Shipping and Receiving Documents 437

Client Chain of Custody 437

Job Narrative
680-62043-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
Method(s) 6010C: A non-client sample was utilized for batch MS/MSD.

Method(s) 7471B: A non-client sample was utilized for batch MS/MSD.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-62043-1	WC-B82-DC-01	Solid	10/06/2010 0715	10/08/2010 0950
680-62043-2	WC-B82-APN-01	Solid	10/06/2010 0720	10/08/2010 0950
680-62043-3	WC-B82-GTM-01	Solid	10/06/2010 0730	10/08/2010 0950
680-62043-4	WC-B82-GTM-02	Solid	10/06/2010 0740	10/08/2010 0950

EXECUTIVE SUMMARY - Detections

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
680-62043-1	**WC-B82-DC-01**					
Arsenic		2.1	J	2.3	mg/Kg	6010C
Barium		17		1.2	mg/Kg	6010C
Chromium		6.8		1.2	mg/Kg	6010C
Lead		16		1.2	mg/Kg	6010C
Mercury		0.023	J	0.025	mg/Kg	7471B
Total Organic Carbon		22000		3000	mg/Kg	9060A
Soluble						
Specific Conductance-Soluble		530		100	umhos/cm	9050A
680-62043-2	**WC-B82-APN-01**					
Arsenic		0.70	J	2.2	mg/Kg	6010C
Barium		14		1.1	mg/Kg	6010C
Chromium		4.5		1.1	mg/Kg	6010C
Lead		4.9		1.1	mg/Kg	6010C
Total Organic Carbon		6700		3000	mg/Kg	9060A
Soluble						
Specific Conductance-Soluble		110		100	umhos/cm	9050A
680-62043-3	**WC-B82-GTM-01**					
Barium		11		1.0	mg/Kg	6010C
Cadmium		0.10	J	0.51	mg/Kg	6010C
Chromium		4.3		1.0	mg/Kg	6010C
Lead		5.7		1.0	mg/Kg	6010C
Total Organic Carbon		1300	J	3000	mg/Kg	9060A
Soluble						
Specific Conductance-Soluble		150		100	umhos/cm	9050A
680-62043-4	**WC-B82-GTM-02**					
Arsenic		0.98	J	2.1	mg/Kg	6010C
Barium		14		1.1	mg/Kg	6010C
Chromium		6.3		1.1	mg/Kg	6010C
Lead		300		1.1	mg/Kg	6010C
Total Organic Carbon		2100	J	3000	mg/Kg	9060A
Soluble						
Specific Conductance-Soluble		91	J	100	umhos/cm	9050A

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SAV	SW846 7471B	
Preparation, Mercury	TAL SAV		SW846 7471B
Specific Conductance	TAL PEN	SW846 9050A	
Deionized Water Leaching Procedure	TAL PEN		ASTM DI Leach
Organic Carbon, Total (TOC)	TAL SAV	SW846 9060A	

Lab References:

TAL PEN = TestAmerica Pensacola

TAL SAV = TestAmerica Savannah

Method References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Method	Analyst	Analyst ID
SW846 6010C	Bland, Brian	BCB
SW846 7471B	Vasquez, Juana	JV
SW846 9050A	Gimlin, Wendy	WG
SW846 9060A	Holmes, Tinita	TH

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Client Sample ID: **WC-B82-DC-01**

Lab Sample ID: 680-62043-1
Client Matrix: Solid
% Moisture: 20.2

Date Sampled: 10/06/2010 0715
Date Received: 10/08/2010 0950

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-182951		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-182698		Lab File ID:	1013101108.chr
Dilution:	1.0			Initial Weight/Volume:	1.08 g
Date Analyzed:	10/13/2010 1912			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2010 1435				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		2.1	J	0.68	2.3
Barium		17		0.35	1.2
Cadmium		0.12	U	0.12	0.58
Chromium		6.8		0.58	1.2
Silver		0.11	U	0.11	1.2
Lead		16		0.61	1.2
Selenium		1.2	U	1.2	2.9

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-183856		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-183493		Lab File ID:	b102110a.chr
Dilution:	1.0			Initial Weight/Volume:	0.51 g
Date Analyzed:	10/21/2010 1527			Final Weight/Volume:	50 mL
Date Prepared:	10/20/2010 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	J	0.010	0.025

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Client Sample ID: **WC-B82-APN-01**

Lab Sample ID: 680-62043-2
Client Matrix: Solid
% Moisture: 10.4

Date Sampled: 10/06/2010 0720
Date Received: 10/08/2010 0950

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-182951		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-182698		Lab File ID:	1013101108.chr
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	10/13/2010 1938			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2010 1435				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		0.70	J	0.65	2.2
Barium		14		0.33	1.1
Cadmium		0.11	U	0.11	0.55
Chromium		4.5		0.55	1.1
Silver		0.11	U	0.11	1.1
Lead		4.9		0.58	1.1
Selenium		1.1	U	1.1	2.7

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-183856		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-183493		Lab File ID:	b102110a.chr
Dilution:	1.0			Initial Weight/Volume:	0.52 g
Date Analyzed:	10/21/2010 1530			Final Weight/Volume:	50 mL
Date Prepared:	10/20/2010 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0088	U	0.0088	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Client Sample ID: **WC-B82-GTM-01**

Lab Sample ID: 680-62043-3
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 10/06/2010 0730
Date Received: 10/08/2010 0950

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-182951		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-182698		Lab File ID:	1013101108.chr
Dilution:	1.0			Initial Weight/Volume:	1.05 g
Date Analyzed:	10/13/2010 1944			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2010 1435				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		0.60	U	0.60	2.0
Barium		11		0.31	1.0
Cadmium		0.10	J	0.10	0.51
Chromium		4.3		0.51	1.0
Silver		0.098	U	0.098	1.0
Lead		5.7		0.54	1.0
Selenium		1.0	U	1.0	2.6

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-183856		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-183493		Lab File ID:	b102110a.chr
Dilution:	1.0			Initial Weight/Volume:	0.51 g
Date Analyzed:	10/21/2010 1533			Final Weight/Volume:	50 mL
Date Prepared:	10/20/2010 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0086	U	0.0086	0.021

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Client Sample ID: **WC-B82-GTM-02**

Lab Sample ID: 680-62043-4
Client Matrix: Solid
% Moisture: 8.7

Date Sampled: 10/06/2010 0740
Date Received: 10/08/2010 0950

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-182951		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-182698		Lab File ID:	1013101108.chr
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	10/13/2010 1949			Final Weight/Volume:	100 mL
Date Prepared:	10/12/2010 1435				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		0.98	J	0.63	2.1
Barium		14		0.32	1.1
Cadmium		0.11	U	0.11	0.54
Chromium		6.3		0.54	1.1
Silver		0.10	U	0.10	1.1
Lead		300		0.57	1.1
Selenium		1.1	U	1.1	2.7

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-183856		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-183493		Lab File ID:	b102110a.chr
Dilution:	1.0			Initial Weight/Volume:	0.54 g
Date Analyzed:	10/21/2010 1537			Final Weight/Volume:	50 mL
Date Prepared:	10/20/2010 1045				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.0083	U	0.0083	0.020

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

General Chemistry

Client Sample ID: **WC-B82-DC-01**

Lab Sample ID: 680-62043-1
Client Matrix: Solid

Date Sampled: 10/06/2010 0715
Date Received: 10/08/2010 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Specific Conductance-Soluble	530		umhos/cm	10	100	1.0	9050A
Analysis Batch: 400-119046	Date Analyzed: 10/20/2010 1500						DryWt Corrected: N
Total Organic Carbon	22000		mg/Kg	1000	3000	1.0	9060A
Analysis Batch: 680-183799	Date Analyzed: 10/21/2010 1113						DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

General Chemistry

Client Sample ID: **WC-B82-APN-01**

Lab Sample ID: 680-62043-2
Client Matrix: Solid

Date Sampled: 10/06/2010 0720
Date Received: 10/08/2010 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Specific Conductance-Soluble	110		umhos/cm	10	100	1.0	9050A
Analysis Batch: 400-119046	Date Analyzed: 10/20/2010 1500						DryWt Corrected: N
Total Organic Carbon	6700		mg/Kg	1000	3000	1.0	9060A
Analysis Batch: 680-183799	Date Analyzed: 10/21/2010 1113						DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

General Chemistry

Client Sample ID: **WC-B82-GTM-01**

Lab Sample ID: 680-62043-3
Client Matrix: Solid

Date Sampled: 10/06/2010 0730
Date Received: 10/08/2010 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Specific Conductance-Soluble	150		umhos/cm	10	100	1.0	9050A
Analysis Batch: 400-119046	Date Analyzed: 10/20/2010 1500						DryWt Corrected: N
Total Organic Carbon	1300	J	mg/Kg	1000	3000	1.0	9060A
Analysis Batch: 680-183799	Date Analyzed: 10/21/2010 1113						DryWt Corrected: N

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

General Chemistry

Client Sample ID: **WC-B82-GTM-02**

Lab Sample ID: 680-62043-4
Client Matrix: Solid

Date Sampled: 10/06/2010 0740
Date Received: 10/08/2010 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Specific Conductance-Soluble	91	J	umhos/cm	10	100	1.0	9050A
Analysis Batch: 400-119046	Date Analyzed: 10/20/2010 1500						DryWt Corrected: N
Total Organic Carbon	2100	J	mg/Kg	1000	3000	1.0	9060A
Analysis Batch: 680-183799	Date Analyzed: 10/21/2010 1113						DryWt Corrected: N

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Method Blank - Batch: 680-182698

Method: 6010C
Preparation: 3050B

Lab Sample ID: MB 680-182698/15-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2010 1831
Date Prepared: 10/12/2010 1435

Analysis Batch: 680-182951
Prep Batch: 680-182698
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 1013101108.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.59	U	0.59	2.0
Barium	0.30	U	0.30	1.0
Cadmium	0.10	U	0.10	0.50
Chromium	0.50	U	0.50	1.0
Silver	0.096	U	0.096	1.0
Lead	0.53	U	0.53	1.0
Selenium	1.0	U	1.0	2.5

Lab Control Sample - Batch: 680-182698

Method: 6010C
Preparation: 3050B

Lab Sample ID: LCS 680-182698/16-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2010 1836
Date Prepared: 10/12/2010 1435

Analysis Batch: 680-182951
Prep Batch: 680-182698
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 1013101108.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	198	99	75 - 125	
Barium	200	197	98	75 - 125	
Cadmium	5.00	5.34	107	75 - 125	
Chromium	20.0	20.7	103	75 - 125	
Silver	5.00	4.55	91	75 - 125	
Lead	50.0	53.3	107	75 - 125	
Selenium	200	205	102	75 - 125	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Post Digestion Spike - Batch: 680-182698

Method: 6010C
Preparation: 3050B

Lab Sample ID: 680-62043-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2010 1933
Date Prepared: 10/12/2010 1435

Analysis Batch: 680-182951
Prep Batch: 680-182698
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 1013101108.chr
Initial Weight/Volume: 1.08 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2.1	J	232	223	95	75 - 125	
Barium	17		232	242	97	75 - 125	
Cadmium	0.12	U	5.80	5.85	101	75 - 125	
Chromium	6.8		23.2	29.2	97	75 - 125	
Silver	0.11	U	5.80	4.90	84	75 - 125	
Lead	16		58.0	73.0	98	75 - 125	
Selenium	1.2	U	232	227	98	75 - 125	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-182698

Method: 6010C
Preparation: 3050B

MS Lab Sample ID: 680-62051-A-1-C MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2010 1846
Date Prepared: 10/12/2010 1435

Analysis Batch: 680-182951
Prep Batch: 680-182698

Instrument ID: ICPD
Lab File ID: 1013101108.chr
Initial Weight/Volume: 1.04 g
Final Weight/Volume: 100 mL

MSD Lab Sample ID: 680-62051-A-1-D MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2010 1851
Date Prepared: 10/12/2010 1435

Analysis Batch: 680-182951
Prep Batch: 680-182698

Instrument ID: ICPD
Lab File ID: 1013101108.chr
Initial Weight/Volume: 1.04 g
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	93	98	75 - 125	5	20		
Barium	100	120	75 - 125	10	20		
Cadmium	100	106	75 - 125	5	20		
Chromium	97	107	75 - 125	4	20		
Silver	86	92	75 - 125	6	20		
Lead	96	103	75 - 125	5	20		
Selenium	94	99	75 - 125	5	20		

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-182698

Method: 6010C
Preparation: 3050B

MS Lab Sample ID: 680-62051-A-1-C MS
Units: mg/Kg
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2010 1846
Date Prepared: 10/12/2010 1435

MSD Lab Sample ID: 680-62051-A-1-D MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/13/2010 1851
Date Prepared: 10/12/2010 1435

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	1.7	J	222	222	208	219
Barium	200		222	222	428	471
Cadmium	0.11	U	5.55	5.55	5.57	5.85
Chromium	31		22.2	22.2	52.3	54.6
Silver	0.12	J	5.55	5.55	4.91	5.19
Lead	33		55.5	55.5	85.9	90.1
Selenium	1.1	U	222	222	209	220

Serial Dilution - Batch: 680-182698

Method: 6010C
Preparation: 3050B

Lab Sample ID: 680-62043-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 10/13/2010 1918
Date Prepared: 10/12/2010 1435

Analysis Batch: 680-182951
Prep Batch: 680-182698
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 1013101108.chr
Initial Weight/Volume: 1.08 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	2.1	J	3.4	NC	10	U
Barium	17		17.4	0.40	10	
Cadmium	0.12	U	0.58	NC	10	U
Chromium	6.8		6.97	NC	10	
Silver	0.11	U	0.56	NC	10	U
Lead	16		17.4	NC	10	
Selenium	1.2	U	5.8	NC	10	U

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Method Blank - Batch: 680-183493

Method: 7471B
Preparation: 7471B

Lab Sample ID: MB 680-183493/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/21/2010 1521
Date Prepared: 10/20/2010 1045

Analysis Batch: 680-183856
Prep Batch: 680-183493
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b102110a.chr
Initial Weight/Volume: 0.51 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0080	U	0.0080	0.020

Lab Control Sample - Batch: 680-183493

Method: 7471B
Preparation: 7471B

Lab Sample ID: LCS 680-183493/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/21/2010 1524
Date Prepared: 10/20/2010 1045

Analysis Batch: 680-183856
Prep Batch: 680-183493
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b102110a.chr
Initial Weight/Volume: 0.52 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.240	0.257	107	80 - 120	

Matrix Spike - Batch: 680-183493

Method: 7471B
Preparation: 7471B

Lab Sample ID: 680-62177-A-1-F MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/21/2010 1614
Date Prepared: 10/20/2010 1045

Analysis Batch: 680-183856
Prep Batch: 680-183493
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b102110a.chr
Initial Weight/Volume: 0.52 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0095	U	0.114	0.130	114	80 - 120	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Duplicate - Batch: 680-183493

Method: 7471B
Preparation: 7471B

Lab Sample ID:	680-62177-A-1-E DU	Analysis Batch:	680-183856	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-183493	Lab File ID:	b102110a.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.54 g
Date Analyzed:	10/21/2010 1600			Final Weight/Volume:	50 mL
Date Prepared:	10/20/2010 1045				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.0095	U	0.0090	NC	20	U

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Method Blank - Batch: 400-119046

Method: 9050A
Preparation: N/A

Lab Sample ID: MB 400-118986/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/20/2010 1500
Date Prepared: N/A
Date Leached: 10/20/2010 0900

Analysis Batch: 400-119046
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Cond Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Specific Conductance-Soluble	34.4	J	10	100

Lab Control Sample - Batch: 400-119046

Method: 9050A
Preparation: N/A

Lab Sample ID: LCS 400-118986/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/20/2010 1500
Date Prepared: N/A
Date Leached: 10/20/2010 0900

Analysis Batch: 400-119046
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Cond Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Specific Conductance-Soluble	197	198	101	98 - 102	

Duplicate - Batch: 400-119046

Method: 9050A
Preparation: N/A

Lab Sample ID: 680-62043-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/20/2010 1500
Date Prepared: N/A
Date Leached: 10/20/2010 0900

Analysis Batch: 400-119046
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Cond Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance-Soluble	530	524	2	2	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Method Blank - Batch: 680-183799

Method: 9060A
Preparation: N/A

Lab Sample ID: MB 680-183799/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/21/2010 1113
Date Prepared: N/A

Analysis Batch: 680-183799
Prep Batch: N/A
Units: mg/Kg

Instrument ID: TOC2
Lab File ID: N/A
Initial Weight/Volume: 100 mg
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	1000	U	1000	3000

Lab Control Sample - Batch: 680-183799

Method: 9060A
Preparation: N/A

Lab Sample ID: LCS 680-183799/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/21/2010 1113
Date Prepared: N/A

Analysis Batch: 680-183799
Prep Batch: N/A
Units: mg/Kg

Instrument ID: TOC2
Lab File ID: N/A
Initial Weight/Volume: 100 mg
Final Weight/Volume: 100 mg

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	60000	63900	107	60 - 140	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183799

Method: 9060A
Preparation: N/A

MS Lab Sample ID: 680-62043-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/21/2010 1113
Date Prepared: N/A

Analysis Batch: 680-183799
Prep Batch: N/A

Instrument ID: TOC2
Lab File ID: N/A
Initial Weight/Volume: 101.3 mg
Final Weight/Volume: 101.3 mg

MSD Lab Sample ID: 680-62043-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/21/2010 1113
Date Prepared: N/A

Analysis Batch: 680-183799
Prep Batch: N/A

Instrument ID: TOC2
Lab File ID: N/A
Initial Weight/Volume: 101.7 mg
Final Weight/Volume: 101.7 mg

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon	105	105	60 - 140	0	40		

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183799

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	680-62043-3	Units: mg/Kg	MSD Lab Sample ID:	680-62043-3
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	10/21/2010 1113		Date Analyzed:	10/21/2010 1113
Date Prepared:	N/A		Date Prepared:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon	1300	J	59200	59000	63400	63300

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.
General Chemistry		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-182698					
LCS 680-182698/16-A	Lab Control Sample	T	Solid	3050B	
MB 680-182698/15-A	Method Blank	T	Solid	3050B	
680-62043-1	WC-B82-DC-01	T	Solid	3050B	
680-62043-2	WC-B82-APN-01	T	Solid	3050B	
680-62043-3	WC-B82-GTM-01	T	Solid	3050B	
680-62043-4	WC-B82-GTM-02	T	Solid	3050B	
680-62051-A-1-C MS	Matrix Spike	T	Solid	3050B	
680-62051-A-1-D MSD	Matrix Spike Duplicate	T	Solid	3050B	
Analysis Batch:680-182951					
LCS 680-182698/16-A	Lab Control Sample	T	Solid	6010C	680-182698
MB 680-182698/15-A	Method Blank	T	Solid	6010C	680-182698
680-62043-1	WC-B82-DC-01	T	Solid	6010C	680-182698
680-62043-2	WC-B82-APN-01	T	Solid	6010C	680-182698
680-62043-3	WC-B82-GTM-01	T	Solid	6010C	680-182698
680-62043-4	WC-B82-GTM-02	T	Solid	6010C	680-182698
680-62051-A-1-C MS	Matrix Spike	T	Solid	6010C	680-182698
680-62051-A-1-D MSD	Matrix Spike Duplicate	T	Solid	6010C	680-182698
Prep Batch: 680-183493					
LCS 680-183493/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-183493/1-A	Method Blank	T	Solid	7471B	
680-62043-1	WC-B82-DC-01	T	Solid	7471B	
680-62043-2	WC-B82-APN-01	T	Solid	7471B	
680-62043-3	WC-B82-GTM-01	T	Solid	7471B	
680-62043-4	WC-B82-GTM-02	T	Solid	7471B	
680-62177-A-1-E DU	Duplicate	T	Solid	7471B	
680-62177-A-1-F MS	Matrix Spike	T	Solid	7471B	
Analysis Batch:680-183856					
LCS 680-183493/2-A	Lab Control Sample	T	Solid	7471B	680-183493
MB 680-183493/1-A	Method Blank	T	Solid	7471B	680-183493
680-62043-1	WC-B82-DC-01	T	Solid	7471B	680-183493
680-62043-2	WC-B82-APN-01	T	Solid	7471B	680-183493
680-62043-3	WC-B82-GTM-01	T	Solid	7471B	680-183493
680-62043-4	WC-B82-GTM-02	T	Solid	7471B	680-183493
680-62177-A-1-E DU	Duplicate	T	Solid	7471B	680-183493
680-62177-A-1-F MS	Matrix Spike	T	Solid	7471B	680-183493

Report Basis
T = Total

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
Sdg Number: 67967

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 400-118986					
LCS 400-118986/2-A	Lab Control Sample	S	Solid	DI Leach	
MB 400-118986/1-A	Method Blank	S	Solid	DI Leach	
680-62043-1	WC-B82-DC-01	S	Solid	DI Leach	
680-62043-1DU	Duplicate	S	Solid	DI Leach	
680-62043-2	WC-B82-APN-01	S	Solid	DI Leach	
680-62043-3	WC-B82-GTM-01	S	Solid	DI Leach	
680-62043-4	WC-B82-GTM-02	S	Solid	DI Leach	
Analysis Batch:400-119046					
LCS 400-118986/2-A	Lab Control Sample	S	Solid	9050A	
MB 400-118986/1-A	Method Blank	S	Solid	9050A	
680-62043-1	WC-B82-DC-01	S	Solid	9050A	
680-62043-1DU	Duplicate	S	Solid	9050A	
680-62043-2	WC-B82-APN-01	S	Solid	9050A	
680-62043-3	WC-B82-GTM-01	S	Solid	9050A	
680-62043-4	WC-B82-GTM-02	S	Solid	9050A	
Analysis Batch:680-183799					
LCS 680-183799/2	Lab Control Sample	T	Solid	9060A	
MB 680-183799/1	Method Blank	T	Solid	9060A	
680-62043-1	WC-B82-DC-01	T	Solid	9060A	
680-62043-2	WC-B82-APN-01	T	Solid	9060A	
680-62043-3	WC-B82-GTM-01	T	Solid	9060A	
680-62043-3MS	Matrix Spike	T	Solid	9060A	
680-62043-3MSD	Matrix Spike Duplicate	T	Solid	9060A	
680-62043-4	WC-B82-GTM-02	T	Solid	9060A	

Report Basis
S = Soluble
T = Total

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
SDG: 67967

Laboratory Chronicle

Lab ID: **680-62043-1** **Client ID:** **WC-B82-DC-01**

Sample Date/Time: 10/06/2010 07:15 Received Date/Time: 10/08/2010 09:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-62043-A-1-A		680-182951	680-182698	10/12/2010 14:35	1	TAL SAV	HM
A:6010C	680-62043-A-1-A		680-182951	680-182698	10/13/2010 19:12	1	TAL SAV	BCB
P:7471B	680-62043-B-1-A		680-183856	680-183493	10/20/2010 10:45	1	TAL SAV	JV
A:7471B	680-62043-B-1-A		680-183856	680-183493	10/21/2010 15:27	1	TAL SAV	JV
A:9050A	680-62043-A-1-B		400-119046		10/20/2010 15:00	1	TAL PEN	WG
A:9060A	680-62043-B-1		680-183799		10/21/2010 11:13	1	TAL SAV	TH

Lab ID: **680-62043-1 DU** **Client ID:** **WC-B82-DC-01**

Sample Date/Time: 10/06/2010 07:15 Received Date/Time: 10/08/2010 09:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9050A	680-62043-A-1-B DU		400-119046		10/20/2010 15:00	1	TAL PEN	WG

Lab ID: **680-62043-1 SD** **Client ID:** **WC-B82-DC-01**

Sample Date/Time: 10/06/2010 07:15 Received Date/Time: 10/08/2010 09:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-62043-A-1-A SD		680-182951	680-182698	10/12/2010 14:35	5	TAL SAV	HM
A:6010C	680-62043-A-1-A SD		680-182951	680-182698	10/13/2010 19:18	5	TAL SAV	BCB
P:3050B	680-62043-A-1-A PDS		680-182951	680-182698	10/12/2010 14:35	1	TAL SAV	HM
A:6010C	680-62043-A-1-A PDS		680-182951	680-182698	10/13/2010 19:33	1	TAL SAV	BCB

Lab ID: **680-62043-2** **Client ID:** **WC-B82-APN-01**

Sample Date/Time: 10/06/2010 07:20 Received Date/Time: 10/08/2010 09:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-62043-A-2-A		680-182951	680-182698	10/12/2010 14:35	1	TAL SAV	HM
A:6010C	680-62043-A-2-A		680-182951	680-182698	10/13/2010 19:38	1	TAL SAV	BCB
P:7471B	680-62043-B-2-A		680-183856	680-183493	10/20/2010 10:45	1	TAL SAV	JV
A:7471B	680-62043-B-2-A		680-183856	680-183493	10/21/2010 15:30	1	TAL SAV	JV
A:9050A	680-62043-A-2-B		400-119046		10/20/2010 15:00	1	TAL PEN	WG
A:9060A	680-62043-B-2		680-183799		10/21/2010 11:13	1	TAL SAV	TH

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
SDG: 67967

Laboratory Chronicle

Lab ID: **680-62043-3** **Client ID:** **WC-B82-GTM-01**

Sample Date/Time: 10/06/2010 07:30 Received Date/Time: 10/08/2010 09:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-62043-A-3-A		680-182951	680-182698	10/12/2010 14:35	1	TAL SAV	HM
A:6010C	680-62043-A-3-A		680-182951	680-182698	10/13/2010 19:44	1	TAL SAV	BCB
P:7471B	680-62043-B-3-A		680-183856	680-183493	10/20/2010 10:45	1	TAL SAV	JV
A:7471B	680-62043-B-3-A		680-183856	680-183493	10/21/2010 15:33	1	TAL SAV	JV
A:9050A	680-62043-A-3-B		400-119046		10/20/2010 15:00	1	TAL PEN	WG
A:9060A	680-62043-B-3		680-183799		10/21/2010 11:13	1	TAL SAV	TH

Lab ID: **680-62043-3 MS** **Client ID:** **WC-B82-GTM-01**

Sample Date/Time: 10/06/2010 07:30 Received Date/Time: 10/08/2010 09:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060A	680-62043-B-3 MS		680-183799		10/21/2010 11:13	1	TAL SAV	TH

Lab ID: **680-62043-3 MSD** **Client ID:** **WC-B82-GTM-01**

Sample Date/Time: 10/06/2010 07:30 Received Date/Time: 10/08/2010 09:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060A	680-62043-B-3 MSD		680-183799		10/21/2010 11:13	1	TAL SAV	TH

Lab ID: **680-62043-4** **Client ID:** **WC-B82-GTM-02**

Sample Date/Time: 10/06/2010 07:40 Received Date/Time: 10/08/2010 09:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-62043-A-4-A		680-182951	680-182698	10/12/2010 14:35	1	TAL SAV	HM
A:6010C	680-62043-A-4-A		680-182951	680-182698	10/13/2010 19:49	1	TAL SAV	BCB
P:7471B	680-62043-B-4-A		680-183856	680-183493	10/20/2010 10:45	1	TAL SAV	JV
A:7471B	680-62043-B-4-A		680-183856	680-183493	10/21/2010 15:37	1	TAL SAV	JV
A:9050A	680-62043-A-4-B		400-119046		10/20/2010 15:00	1	TAL PEN	WG
A:9060A	680-62043-B-4		680-183799		10/21/2010 11:13	1	TAL SAV	TH

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
SDG: 67967

Laboratory Chronicle

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	MB 680-182698/15-A		680-182951	680-182698	10/12/2010 14:35	1	TAL SAV	HM
A:6010C	MB 680-182698/15-A		680-182951	680-182698	10/13/2010 18:31	1	TAL SAV	BCB
P:7471B	MB 680-183493/1-A		680-183856	680-183493	10/20/2010 10:45	1	TAL SAV	JV
A:7471B	MB 680-183493/1-A		680-183856	680-183493	10/21/2010 15:21	1	TAL SAV	JV
A:9050A	MB 400-118986/1-A		400-119046		10/20/2010 15:00	1	TAL PEN	WG
A:9060A	MB 680-183799/1		680-183799		10/21/2010 11:13	1	TAL SAV	TH

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCS 680-182698/16-A		680-182951	680-182698	10/12/2010 14:35	1	TAL SAV	HM
A:6010C	LCS 680-182698/16-A		680-182951	680-182698	10/13/2010 18:36	1	TAL SAV	BCB
P:7471B	LCS 680-183493/2-A		680-183856	680-183493	10/20/2010 10:45	1	TAL SAV	JV
A:7471B	LCS 680-183493/2-A		680-183856	680-183493	10/21/2010 15:24	1	TAL SAV	JV
A:9050A	LCS 400-118986/2-A		400-119046		10/20/2010 15:00	1	TAL PEN	WG
A:9060A	LCS 680-183799/2		680-183799		10/21/2010 11:13	1	TAL SAV	TH

Lab ID: **MS** **Client ID:** **N/A**

Sample Date/Time: 10/11/2010 00:00 Received Date/Time: 10/12/2010 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-62051-A-1-C MS		680-182951	680-182698	10/12/2010 14:35	1	TAL SAV	HM
A:6010C	680-62051-A-1-C MS		680-182951	680-182698	10/13/2010 18:46	1	TAL SAV	BCB
P:7471B	680-62177-A-1-F MS		680-183856	680-183493	10/20/2010 10:45	1	TAL SAV	JV
A:7471B	680-62177-A-1-F MS		680-183856	680-183493	10/21/2010 16:14	1	TAL SAV	JV

Lab ID: **MSD** **Client ID:** **N/A**

Sample Date/Time: 10/11/2010 00:00 Received Date/Time: 10/12/2010 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-62051-A-1-D MSD		680-182951	680-182698	10/12/2010 14:35	1	TAL SAV	HM
A:6010C	680-62051-A-1-D MSD		680-182951	680-182698	10/13/2010 18:51	1	TAL SAV	BCB

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-1
SDG: 67967

Laboratory Chronicle

Lab ID: **DU** **Client ID:** **N/A**

Sample Date/Time: 10/12/2010 11:25 Received Date/Time: 10/14/2010 10:23

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	680-62177-A-1-E DU		680-183856	680-183493	10/20/2010 10:45	1	TAL SAV	JV
A:7471B	680-62177-A-1-E DU		680-183856	680-183493	10/21/2010 16:00	1	TAL SAV	JV

Lab References:
TAL PEN = TestAmerica Pensacola
TAL SAV = TestAmerica Savannah

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62043-1

SDG No.: 67967

Project: NAS SOWEY 106-2282

Client Sample ID	Lab Sample ID
WC-B82-DC-01	680-62043-1
WC-B82-APN-01	680-62043-2
WC-B82-GTM-01	680-62043-3
WC-B82-GTM-02	680-62043-4

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-B82-DC-01
Lab Sample ID: 680-62043-1
Lab Name: TestAmerica Savannah
Job No.: 680-62043-1
SDG ID.: 67967
Matrix: Solid
Date Sampled: 10/06/2010 07:15
Reporting Basis: DRY
Date Received: 10/08/2010 09:50
% Solids: 79.8

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.1	2.3	0.68	mg/Kg	J		1	6010C
7440-39-3	Barium	17	1.2	0.35	mg/Kg			1	6010C
7440-43-9	Cadmium	0.12	0.58	0.12	mg/Kg	U		1	6010C
7440-47-3	Chromium	6.8	1.2	0.58	mg/Kg			1	6010C
7440-22-4	Silver	0.11	1.2	0.11	mg/Kg	U		1	6010C
7439-92-1	Lead	16	1.2	0.61	mg/Kg			1	6010C
7782-49-2	Selenium	1.2	2.9	1.2	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.023	0.025	0.010	mg/Kg	J		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-B82-APN-01
Lab Sample ID: 680-62043-2
Lab Name: TestAmerica Savannah
Job No.: 680-62043-1
SDG ID.: 67967
Matrix: Solid
Date Sampled: 10/06/2010 07:20
Reporting Basis: DRY
Date Received: 10/08/2010 09:50
% Solids: 89.6

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.70	2.2	0.65	mg/Kg	J		1	6010C
7440-39-3	Barium	14	1.1	0.33	mg/Kg			1	6010C
7440-43-9	Cadmium	0.11	0.55	0.11	mg/Kg	U		1	6010C
7440-47-3	Chromium	4.5	1.1	0.55	mg/Kg			1	6010C
7440-22-4	Silver	0.11	1.1	0.11	mg/Kg	U		1	6010C
7439-92-1	Lead	4.9	1.1	0.58	mg/Kg			1	6010C
7782-49-2	Selenium	1.1	2.7	1.1	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.0088	0.021	0.0088	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-B82-GTM-01
Lab Sample ID: 680-62043-3
Lab Name: TestAmerica Savannah
Job No.: 680-62043-1
SDG ID.: 67967
Matrix: Solid
Date Sampled: 10/06/2010 07:30
Reporting Basis: DRY
Date Received: 10/08/2010 09:50
% Solids: 93.2

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.60	2.0	0.60	mg/Kg	U		1	6010C
7440-39-3	Barium	11	1.0	0.31	mg/Kg			1	6010C
7440-43-9	Cadmium	0.10	0.51	0.10	mg/Kg	J		1	6010C
7440-47-3	Chromium	4.3	1.0	0.51	mg/Kg			1	6010C
7440-22-4	Silver	0.098	1.0	0.098	mg/Kg	U		1	6010C
7439-92-1	Lead	5.7	1.0	0.54	mg/Kg			1	6010C
7782-49-2	Selenium	1.0	2.6	1.0	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.0086	0.021	0.0086	mg/Kg	U		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-B82-GTM-02
Lab Sample ID: 680-62043-4
Lab Name: TestAmerica Savannah
Job No.: 680-62043-1
SDG ID.: 67967
Matrix: Solid
Date Sampled: 10/06/2010 07:40
Reporting Basis: DRY
Date Received: 10/08/2010 09:50
% Solids: 91.3

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.98	2.1	0.63	mg/Kg	J		1	6010C
7440-39-3	Barium	14	1.1	0.32	mg/Kg			1	6010C
7440-43-9	Cadmium	0.11	0.54	0.11	mg/Kg	U		1	6010C
7440-47-3	Chromium	6.3	1.1	0.54	mg/Kg			1	6010C
7440-22-4	Silver	0.10	1.1	0.10	mg/Kg	U		1	6010C
7439-92-1	Lead	300	1.1	0.57	mg/Kg			1	6010C
7782-49-2	Selenium	1.1	2.7	1.1	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.0083	0.020	0.0083	mg/Kg	U		1	7471B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	ICV 680-182951/7 10/13/2010 11:36				CCV 680-182951/12 10/13/2010 12:13				CCV 680-182951/69 10/13/2010 18:07			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1030		1000	103	500		500	100	493		500	99
Barium	1010		1000	101	4980		5000	100	4770		5000	95
Cadmium	1040		1000	104	507		500	101	524		500	105
Chromium	1040		1000	104	5030		5000	101	5040		5000	101
Lead	1020		1000	102	513		500	103	530		500	106
Selenium	1020		1000	102	5070		5000	101	5030		5000	101
Silver	986		1000	99	489		500	98	471		500	94

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	CCV 680-182951/81 10/13/2010 19:23				CCV 680-182951/91 10/13/2010 20:15				CCV 680-182951/248 10/14/2010 11:42			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	495		500	99	487		500	97	484		500	97
Barium	4830		5000	97	4840		5000	97	4780		5000	96
Cadmium	513		500	103	497		500	99	500		500	100
Chromium	4980		5000	100	4890		5000	98	4910		5000	98
Lead	517		500	103	509		500	102	510		500	102
Selenium	4990		5000	100	4910		5000	98	4910		5000	98
Silver	477		500	95	476		500	95	472		500	94

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	CCV 680-182951/254 10/14/2010 12:19											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	482		500	96								
Barium	4750		5000	95								
Cadmium	497		500	99								
Chromium	4870		5000	97								
Lead	502		500	100								
Selenium	4830		5000	97								
Silver	467		500	93								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

ICV Source: HG_ICV_std_00103 Concentration Units: ug/L

CCV Source: HG_CCV_std_00116

Analyte	ICV 680-183856/8 10/21/2010 09:43				CCV 680-183856/10 10/21/2010 10:14				CCV 680-183856/22 10/21/2010 10:51			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.05		3.00	102	2.78		2.50	111	2.75		2.50	110

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

ICV Source: HG_ICV_std_00103 Concentration Units: ug/L

CCV Source: HG_CCV_std_00116

Analyte	CCV 680-183856/99 10/21/2010 15:16				CCV 680-183856/111 10/21/2010 15:54				CCV 680-183856/115 10/21/2010 16:08			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.43		2.50	97	2.51		2.50	100	2.58		2.50	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

ICV Source: HG_ICV_std_00103 Concentration Units: ug/L

CCV Source: HG_CCV_std_00116

Analyte	CCV 680-183856/127 10/21/2010 16:46											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.78		2.50	111								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Analysis Method: 6010C Instrument ID: ICPD

Lab Sample ID: CRI 680-182951/9 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	18.8	J	94	50-150
Barium	10.0	9.94	J	99	50-150
Cadmium	5.00	4.99	J	100	50-150
Chromium	10.0	10.5		105	50-150
Silver	10.0	8.98	J	90	50-150
Lead	10.0	11.9		119	50-150
Selenium	20.0	20.8	J	104	50-150

Lab Sample ID: CRI 680-182951/251 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	20.8		104	50-150
Barium	10.0	9.62	J	96	50-150
Cadmium	5.00	4.98	J	100	50-150
Chromium	10.0	10.5		105	50-150
Silver	10.0	9.18	J	92	50-150
Lead	10.0	12.4		124	50-150
Selenium	20.0	23.0	J	115	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Analysis Method: 7471B Instrument ID: LEEMAN1

Lab Sample ID: CRA 680-183856/12 Concentration Units: ug/L

CRQL Check Standard Source: HG_0.2_std_00104

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.222		111	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Concentration Units: ug/L

Analyte	RL	ICB 680-182951/8 10/13/2010 11:41		CCB 680-182951/13 10/13/2010 12:20		CCB 680-182951/70 10/13/2010 18:12		CCB 680-182951/82 10/13/2010 19:28	
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	5.9	U	5.9	U	5.9	U	5.9	U
Barium	10	3.0	U	3.0	U	3.0	U	3.0	U
Cadmium	5.0	1.0	U	1.0	U	1.0	U	1.0	U
Chromium	10	5.0	U	5.0	U	5.0	U	5.0	U
Lead	10	5.3	U	5.3	U	5.3	U	5.3	U
Selenium	25	10	U	10	U	10	U	10	U
Silver	10	0.96	U	0.96	U	0.96	U	0.96	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Concentration Units: ug/L

Analyte	RL	CCB 680-182951/92 10/13/2010 20:20		CCB 680-182951/249 10/14/2010 11:48		CCB 680-182951/255 10/14/2010 12:27			
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	5.9	U	5.9	U	5.9	U		
Barium	10	3.0	U	3.0	U	3.0	U		
Cadmium	5.0	1.0	U	1.0	U	1.0	U		
Chromium	10	5.0	U	5.0	U	5.0	U		
Lead	10	5.3	U	5.3	U	5.3	U		
Selenium	25	10	U	10	U	10	U		
Silver	10	0.96	U	0.96	U	0.96	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Concentration Units: ug/L

Analyte	RL	ICB 680-183856/9 10/21/2010 09:46		CCB 680-183856/11 10/21/2010 10:17		CCB 680-183856/23 10/21/2010 10:54		CCB 680-183856/100 10/21/2010 15:19	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.080	U	0.080	U	0.080	U	0.080	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Concentration Units: ug/L

Analyte	RL	CCB 680-183856/112 10/21/2010 15:57		CCB 680-183856/116 10/21/2010 16:11		CCB 680-183856/128 10/21/2010 16:49			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.080	U	0.080	U	0.080	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Concentration Units: mg/Kg Lab Sample ID: MB 680-182698/15-A

Instrument Code: ICPD Batch No.: 182951

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.59	U		6010C
7440-39-3	Barium	0.30	U		6010C
7440-43-9	Cadmium	0.10	U		6010C
7440-47-3	Chromium	0.50	U		6010C
7440-22-4	Silver	0.096	U		6010C
7439-92-1	Lead	0.53	U		6010C
7782-49-2	Selenium	1.0	U		6010C

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Concentration Units: mg/Kg Lab Sample ID: MB 680-183493/1-A

Instrument Code: LEEMAN1 Batch No.: 183856

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.0080	U		7471B

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Lab Sample ID: ICSA 680-182951/10 Instrument ID: ICPD

Lab File ID: 1013101108.chr ICS Source: P_ICSA_wk_00022

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-2.15**	
Barium		**0.400**	
Cadmium		**0.793**	
Chromium		**1.43**	
Lead		**-0.616**	
Selenium		**-6.65**	
Silver		**-1.69**	
Aluminum	*500000*	*507759*	*102*
Antimony		*-13.5*	
Beryllium		*-0.0264*	
Boron		*13.0*	
Calcium	*500000*	*548494*	*110*
Cobalt		*-0.438*	
Copper		*-0.831*	
Iron	*200000*	*202344*	*101*
Magnesium	*500000*	*545494*	*109*
Manganese		*-1.21*	
Molybdenum		*-1.54*	
Nickel		*-2.26*	
Potassium		*-88.2*	
Sodium		*-814*	
Strontium		*2.37*	
Thallium		*0.808*	
Tin		*-15.3*	
Titanium		*0.872*	
Vanadium		*-1.65*	
Zinc		*3.54*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Lab Sample ID: ICSAB 680-182951/11 Instrument ID: ICPD

Lab File ID: 1013101108.chr ICS Source: P_ICSAB_wk_00038

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**100**	**99.3**	**99**
Barium	**500**	**526**	**105**
Cadmium	**1000**	**1027**	**103**
Chromium	**500**	**509**	**102**
Lead	**50.0**	**51.2**	**102**
Selenium	**50.0**	**57.1**	**114**
Silver	**200**	**213**	**106**
Aluminum	*500000*	*505570*	*101*
Antimony	*600*	*612*	*102*
Beryllium	*500*	*535*	*107*
Boron		*13.0*	
Calcium	*500000*	*543123*	*109*
Cobalt	*500*	*501*	*100*
Copper	*500*	*534*	*107*
Iron	*200000*	*200817*	*100*
Magnesium	*500000*	*540072*	*108*
Manganese	*500*	*509*	*102*
Molybdenum	*1000*	*1028*	*103*
Nickel	*1000*	*998*	*100*
Potassium		*2.05*	
Sodium		*173*	
Strontium		*2.41*	
Thallium	*100*	*106*	*106*
Tin	*1000*	*1020*	*102*
Titanium		*1.02*	
Vanadium	*500*	*512*	*102*
Zinc	*1000*	*1038*	*104*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Lab Sample ID: ICSA 680-182951/252 Instrument ID: ICPD

Lab File ID: 1013101108.chr ICS Source: P_ICSA_wk_00022

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-0.506**	
Barium		**0.626**	
Cadmium		**0.815**	
Chromium		**1.99**	
Lead		**1.30**	
Selenium		**0.386**	
Silver		**0.261**	
Aluminum	*500000*	*482943*	*97*
Antimony		*-1.10*	
Beryllium		*0.0871*	
Boron		*14.5*	
Calcium	*500000*	*531758*	*106*
Cobalt		*0.713*	
Copper		*1.30*	
Iron	*200000*	*192591*	*96*
Magnesium	*500000*	*524895*	*105*
Manganese		*17.2*	
Molybdenum		*-4.94*	
Nickel		*-0.189*	
Potassium		*-25.3*	
Sodium		*-114*	
Strontium		*2.31*	
Thallium		*1.11*	
Tin		*-0.125*	
Titanium		*1.68*	
Vanadium		*2.45*	
Zinc		*4.65*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Lab Sample ID: ICSAB 680-182951/253 Instrument ID: ICPD

Lab File ID: 1013101108.chr ICS Source: P_ICSAB_wk_00038

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**100**	**98.3**	**98**
Barium	**500**	**509**	**102**
Cadmium	**1000**	**1004**	**100**
Chromium	**500**	**494**	**99**
Lead	**50.0**	**49.3**	**99**
Selenium	**50.0**	**56.3**	**113**
Silver	**200**	**205**	**102**
Aluminum	*500000*	*496764*	*99*
Antimony	*600*	*581*	*97*
Beryllium	*500*	*520*	*104*
Boron		*13.5*	
Calcium	*500000*	*544497*	*109*
Cobalt	*500*	*486*	*97*
Copper	*500*	*516*	*103*
Iron	*200000*	*197670*	*99*
Magnesium	*500000*	*538024*	*108*
Manganese	*500*	*505*	*101*
Molybdenum	*1000*	*1004*	*100*
Nickel	*1000*	*978*	*98*
Potassium		*-38.6*	
Sodium		*-140*	
Strontium		*2.31*	
Thallium	*100*	*104*	*104*
Tin	*1000*	*988*	*99*
Titanium		*1.09*	
Vanadium	*500*	*503*	*101*
Zinc	*1000*	*1024*	*102*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID:
Lab ID: 680-62051-A-1-C MS
Lab Name: TestAmerica Savannah
Job No.: 680-62043-1
SDG No.: 67967
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 86.7

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	208		1.7	J	222	93	75-125		6010C
Barium	428		200		222	100	75-125		6010C
Cadmium	5.57		0.11	U	5.55	100	75-125		6010C
Chromium	52.3		31		22.2	97	75-125		6010C
Silver	4.91		0.12	J	5.55	86	75-125		6010C
Lead	85.9		33		55.5	96	75-125		6010C
Selenium	209		1.1	U	222	94	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID:
Lab ID: 680-62177-A-1-F MS
Lab Name: TestAmerica Savannah
Job No.: 680-62043-1
SDG No.: 67967
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 84.3

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.130		0.0095	U	0.114	114	80-120		7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-62051-A-1-D MSD

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Matrix: Solid Concentration Units: mg/Kg

% Solids: 86.7

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	219		222	98	75-125	5	20		6010C
Barium	471		222	120	75-125	10	20		6010C
Cadmium	5.85		5.55	106	75-125	5	20		6010C
Chromium	54.6		22.2	107	75-125	4	20		6010C
Silver	5.19		5.55	92	75-125	6	20		6010C
Lead	90.1		55.5	103	75-125	5	20		6010C
Selenium	220		222	99	75-125	5	20		6010C

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: WC-B82-DC-01 PDS
Lab ID: 680-62043-1 PDS
Lab Name: TestAmerica Savannah
Job No.: 680-62043-1
SDG No.: 67967
Matrix: Solid
Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	223		2.1	J	232	95	75-125		6010C
Barium	242		17		232	97	75-125		6010C
Cadmium	5.85		0.12	U	5.80	101	75-125		6010C
Chromium	29.2		6.8		23.2	97	75-125		6010C
Silver	4.90		0.11	U	5.80	84	75-125		6010C
Lead	73.0		16		58.0	98	75-125		6010C
Selenium	227		1.2	U	232	98	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID:

Lab ID: 680-62177-A-1-E DU

Lab Name: TestAmerica Savannah

Job No.: 680-62043-1

SDG No.: 67967

% Solids for Sample: 84.3

% Solids for Duplicate: 84.3

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.022	0.0095	U	0.0090	U	NC		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-182698/16-A

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

Sample Matrix: Solid LCS Source: P_TEFLONCH_00007

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	200	198		99	75	125		6010C
Barium	200	197		98	75	125		6010C
Cadmium	5.00	5.34		107	75	125		6010C
Chromium	20.0	20.7		103	75	125		6010C
Silver	5.00	4.55		91	75	125		6010C
Lead	50.0	53.3		107	75	125		6010C
Selenium	200	205		102	75	125		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-183493/2-A

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

Sample Matrix: Solid LCS Source: Hg_Int_Cal_00050

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.240	0.257		107	80	120		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 680-62043-1

SDG No: 67967

Lab Name: TestAmerica Savannah Job No: 680-62043-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	2.1	J	3.4	U	NC		6010C
Barium	17		17.4		0.40		6010C
Cadmium	0.12	U	0.58	U	NC		6010C
Chromium	6.8		6.97		NC		6010C
Silver	0.11	U	0.56	U	NC		6010C
Lead	16		17.4		NC		6010C
Selenium	1.2	U	5.8	U	NC		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62043-1

SDG Number: 67967

Matrix: Solid Instrument ID: ICPD

Analysis Method: 6010C MDL Date: 06/02/2009 00:00

Prep Method: 3050B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Arsenic		2	0.59
Barium		1	0.3
Cadmium		0.5	0.1
Chromium		1	0.5
Lead		1	0.53
Selenium		2.5	1
Silver		1	0.096

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62043-1

SDG Number: 67967

Matrix: Solid Instrument ID: ICPD

Analysis Method: 6010C XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		20	5.9
Barium		10	3
Cadmium		5	1
Chromium		10	5
Lead		10	5.3
Selenium		25	10
Silver		10	0.96

FORM IX - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62043-1

SDG Number: 67967

Matrix: Solid Instrument ID: LEEMAN1

Analysis Method: 7471B MDL Date: 06/02/2009 00:00

Prep Method: 7471B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.02	0.0082

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62043-1

SDG Number: 67967

Matrix: Solid Instrument ID: LEEMAN1

Analysis Method: 7471B XMDL Date: 06/01/2008 15:53

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.08

FORM IX - IN

Analytes	CAS #	Limits	Units	Limit Type
Ag	7440-22-4	0.10	mg/Kg	LOD
Al	7429-90-5	6.3	mg/Kg	LOD
As	7440-38-2	0.25	mg/Kg	LOD
B	7440-42-8	8.8	mg/Kg	LOD
Ca	7440-70-2	50	mg/Kg	LOD
Cd	7440-43-9	0.050	mg/Kg	LOD
Cr	7440-47-3	0.50	mg/Kg	LOD
Co	7440-48-4	0.030	mg/Kg	LOD
Cu	7440-50-8	0.50	mg/Kg	LOD
Ba	7440-39-3	0.25	mg/Kg	LOD
Be	7440-41-7	0.050	mg/Kg	LOD
Fe	7439-89-6	20	mg/Kg	LOD
K	7440-09-7	30	mg/Kg	LOD
Mg	7439-95-4	6.0	mg/Kg	LOD
Mn	7439-96-5	1.0	mg/Kg	LOD
Mo	7439-98-7	0.75	mg/Kg	LOD
Na	7440-23-5	32	mg/Kg	LOD
Ni	7440-02-0	0.50	mg/Kg	LOD
Pb	7439-92-1	0.20	mg/Kg	LOD
Sb	7440-36-0	1.0	mg/Kg	LOD
Se	7782-49-2	0.50	mg/Kg	LOD
Sn	7440-31-5	5.1	mg/Kg	LOD
Sr	7440-24-6	0.20	mg/Kg	LOD
Ti	7440-32-6	0.40	mg/Kg	LOD
Tl	7440-28-0	0.050	mg/Kg	LOD
V	7440-62-2	0.55	mg/Kg	LOD
Zn	7440-66-6	3.0	mg/Kg	LOD
Hg	7439-97-6	0.080	mg/Kg	LOD

Analytes	CAS #	Limits	Units	Limit Type
Hg	7439-97-6	0.0088	mg/Kg	LOD

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62043-1

SDG No.: 67967

ICP-AES Instrument ID: ICPD Date: 02/08/2010

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Aluminum	308.21														
Antimony	206.84										0.00681		0.000007		
Arsenic	189.04										-0.00268		-0.0078		
Barium	493.40														
Beryllium	313.04														
Boron	249.67												-0.000116		
Cadmium	226.50		-0.000002										0.000093		
Calcium	317.93												-0.000061		
Chromium	267.71														
Cobalt	228.61														
Copper	324.75												0.000007		
Iron	271.44									0.07233	0.001193				
Lead	220.35		-0.000017										0.000052		
Magnesium	279.07												-0.000176		
Manganese	257.61														0.000006
Molybdenum	202.03														
Nickel	231.60														
Potassium	766.49														
Selenium	196.02		-0.000001							0.000035			-0.000014		
Silicon	288.14														
Silver	328.06														
Sodium	330.23														
Strontium	421.54														
Thallium	190.86		-0.000004							-0.00329	0.000234		-0.000098		
Tin	189.98		-0.000022												
Titanium	334.94							-0.000008							
Vanadium	292.40		0.000018								-0.00566		-0.000011		-0.000145
Zinc	206.20										-0.00143				

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62043-1

SDG No.: 67967

ICP-AES Instrument ID: ICPD Date: 02/08/2010

Analyte	Wave Length	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	SiO2	Sn	Sr	Ti	Tl	V
Aluminum	308.21														0.01809
Antimony	206.84		-0.01349								0.00015				
Arsenic	189.04		-0.000441												
Barium	493.40														
Beryllium	313.04		-0.000067												0.000017
Boron	249.67														
Cadmium	226.50														
Calcium	317.93														
Chromium	267.71														-0.000212
Cobalt	228.61		-0.00226										0.002		
Copper	324.75		0.000145												-0.00012
Iron	271.44														-0.0179
Lead	220.35	0.000087	-0.00049		0.00007								-0.000507		-0.000059
Magnesium	279.07	-0.00754													
Manganese	257.61														-0.00012
Molybdenum	202.03														
Nickel	231.60						-0.00058								
Potassium	766.49														
Selenium	196.02	0.00011	0.000047												0.000059
Silicon	288.14														
Silver	328.06														0.01426
Sodium	330.23												-0.5787		-0.00375
Strontium	421.54														
Thallium	190.86	-0.000836											-0.00162		-0.00209
Tin	189.98						-0.0015								
Titanium	334.94														
Vanadium	292.40	0.00206	-0.00040										0.000698		
Zinc	206.20														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62043-1

SDG No.: 67967

ICP-AES Instrument ID: ICPD Date: 02/08/2010

Analyte	Wave Length	Zn													
Aluminum	308.21														
Antimony	206.84														
Arsenic	189.04														
Barium	493.40														
Beryllium	313.04														
Boron	249.67														
Cadmium	226.50														
Calcium	317.93														
Chromium	267.71														
Cobalt	228.61														
Copper	324.75														
Iron	271.44														
Lead	220.35														
Magnesium	279.07														
Manganese	257.61														
Molybdenum	202.03														
Nickel	231.60														
Potassium	766.49														
Selenium	196.02														
Silicon	288.14														
Silver	328.06														
Sodium	330.23	0.04966													
Strontium	421.54														
Thallium	190.86														
Tin	189.98														
Titanium	334.94														
Vanadium	292.40														
Zinc	206.20														

X-IN

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Savannah Job No: 680-62043-1

SDG No.: 67967

Instrument ID: ICPD Date: 01/25/2010 13:16

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		18000	6010C
Barium		18000	6010C
Cadmium		9000	6010C
Chromium		22500	6010C
Silver		1800	6010C
Lead		18000	6010C
Selenium		22500	6010C

FORM XI - IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
680-62051-A-1-C MS	10/12/2010 14:35	182698	1.04		100
680-62051-A-1-D MSD	10/12/2010 14:35	182698	1.04		100
680-62043-1	10/12/2010 14:35	182698	1.08		100
680-62043-2	10/12/2010 14:35	182698	1.02		100
680-62043-3	10/12/2010 14:35	182698	1.05		100
680-62043-4	10/12/2010 14:35	182698	1.02		100
MB 680-182698/15-A	10/12/2010 14:35	182698	1.00		100
LCS 680-182698/16-A	10/12/2010 14:35	182698	1.00		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Preparation Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-183493/1-A	10/20/2010 10:45	183493	0.51		50
LCS 680-183493/2-A	10/20/2010 10:45	183493	0.52		50
680-62043-1	10/20/2010 10:45	183493	0.51		50
680-62043-2	10/20/2010 10:45	183493	0.52		50
680-62043-3	10/20/2010 10:45	183493	0.51		50
680-62043-4	10/20/2010 10:45	183493	0.54		50
680-62177-A-1-E DU	10/20/2010 10:45	183493	0.54		50
680-62177-A-1-F MS	10/20/2010 10:45	183493	0.52		50

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Instrument ID: ICPD Method: 6010C

Start Date: 10/13/2010 11:08 End Date: 10/14/2010 12:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
STD0 680-182951/1 IC			11:08	X	X	X	X	X	X	X													
STD1 680-182951/2 IC			11:09	X	X	X	X	X	X	X													
ZZZZZZ			11:13																				
ZZZZZZ			11:20																				
ZZZZZZ			11:24																				
ZZZZZZ			11:32																				
ICV 680-182951/7	1		11:36	X	X	X	X	X	X	X													
ICB 680-182951/8	1		11:41	X	X	X	X	X	X	X													
CRI 680-182951/9	1		11:45	X	X	X	X	X	X	X													
ICSA 680-182951/10	1		12:01	X	X	X	X	X	X	X													
ICSAB 680-182951/11	1		12:05	X	X	X	X	X	X	X													
CCV 680-182951/12	1		12:13	X	X	X	X	X	X	X													
CCB 680-182951/13	1		12:20	X	X	X	X	X	X	X													
ZZZZZZ			12:25																				
ZZZZZZ			12:31																				
ZZZZZZ			12:36																				
ZZZZZZ			12:41																				
ZZZZZZ			12:46																				
ZZZZZZ			12:52																				
ZZZZZZ			12:57																				
ZZZZZZ			13:02																				
ZZZZZZ			13:08																				
CCV 680-182951/23			13:13																				
CCB 680-182951/24			13:20																				
ZZZZZZ			13:25																				
ZZZZZZ			13:30																				
ZZZZZZ			13:36																				
ZZZZZZ			13:41																				
ZZZZZZ			13:46																				
ZZZZZZ			13:52																				
ZZZZZZ			13:57																				
ZZZZZZ			14:02																				
ZZZZZZ			14:08																				
ZZZZZZ			14:13																				
CCV 680-182951/35			14:18																				
CCB 680-182951/36			14:25																				
ZZZZZZ			14:30																				
ZZZZZZ			14:36																				
ZZZZZZ			14:41																				
ZZZZZZ			14:46																				
ZZZZZZ			14:52																				
ZZZZZZ			14:57																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Instrument ID: ICPD Method: 6010C

Start Date: 10/13/2010 11:08 End Date: 10/14/2010 12:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			15:02																				
CCV 680-182951/44			15:08																				
CCB 680-182951/45			15:14																				
ZZZZZZ			15:20																				
CCV 680-182951/47			15:26																				
CCB 680-182951/48			15:32																				
ZZZZZZ			15:38																				
ZZZZZZ			15:43																				
ZZZZZZ			15:48																				
ZZZZZZ			15:53																				
ZZZZZZ			15:58																				
ZZZZZZ			16:04																				
ZZZZZZ			16:09																				
ZZZZZZ			16:14																				
ZZZZZZ			16:19																				
CCV 680-182951/58			16:24																				
CCB 680-182951/59			16:31																				
ZZZZZZ			16:45																				
ZZZZZZ			16:50																				
ZZZZZZ			16:55																				
ZZZZZZ			17:01																				
ZZZZZZ			17:06																				
ZZZZZZ			17:15																				
ZZZZZZ			17:21																				
ZZZZZZ			17:27																				
ZZZZZZ			17:32																				
CCV 680-182951/69	1		18:07	X	X	X	X	X	X	X													
CCB 680-182951/70	1		18:12	X	X	X	X	X	X	X													
MB 680-182698/15-A	1	T	18:31	X	X	X	X	X	X	X													
LCS 680-182698/16-A	1	T	18:36	X	X	X	X	X	X	X													
ZZZZZZ			18:41																				
680-62051-A-1-C MS	1	T	18:46	X	X	X	X	X	X	X													
680-62051-A-1-D MSD	1	T	18:51	X	X	X	X	X	X	X													
ZZZZZZ			18:57																				
ZZZZZZ			19:02																				
ZZZZZZ			19:07																				
680-62043-1	1	T	19:12	X	X	X	X	X	X	X													
680-62043-1 SD	5	T	19:18	X	X	X	X	X	X	X													
CCV 680-182951/81	1		19:23	X	X	X	X	X	X	X													
CCB 680-182951/82	1		19:28	X	X	X	X	X	X	X													
680-62043-1 PDS	1	T	19:33	X	X	X	X	X	X	X													
680-62043-2	1	T	19:38	X	X	X	X	X	X	X													

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Instrument ID: ICPD Method: 6010C

Start Date: 10/13/2010 11:08 End Date: 10/14/2010 12:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
680-62043-3	1	T	19:44	X	X	X	X	X	X	X													
680-62043-4	1	T	19:49	X	X	X	X	X	X	X													
ZZZZZZ			19:54																				
ZZZZZZ			19:59																				
ZZZZZZ			20:04																				
ZZZZZZ			20:10																				
CCV 680-182951/91	1		20:15	X	X	X	X	X	X	X													
CCB 680-182951/92	1		20:20	X	X	X	X	X	X	X													
ZZZZZZ			20:25																				
ZZZZZZ			20:30																				
ZZZZZZ			20:35																				
ZZZZZZ			20:43																				
ZZZZZZ			20:49																				
ZZZZZZ			20:54																				
ZZZZZZ			20:59																				
ZZZZZZ			21:04																				
CCV 680-182951/101			21:10																				
CCB 680-182951/102			21:15																				
ZZZZZZ			21:20																				
ZZZZZZ			21:26																				
ZZZZZZ			21:31																				
ZZZZZZ			21:36																				
ZZZZZZ			21:42																				
ZZZZZZ			21:47																				
CCV 680-182951/109			21:52																				
CCB 680-182951/110			21:58																				
ZZZZZZ			22:03																				
ZZZZZZ			22:08																				
ZZZZZZ			22:13																				
ZZZZZZ			22:19																				
ZZZZZZ			22:24																				
ZZZZZZ			22:29																				
ZZZZZZ			22:35																				
ZZZZZZ			22:40																				
ZZZZZZ			22:45																				
ZZZZZZ			22:51																				
CCV 680-182951/121			22:56																				
CCB 680-182951/122			23:01																				
ZZZZZZ			23:07																				
ZZZZZZ			23:12																				
ZZZZZZ			23:17																				
ZZZZZZ			23:23																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Instrument ID: ICPD Method: 6010C

Start Date: 10/13/2010 11:08 End Date: 10/14/2010 12:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			23:28																				
ZZZZZZ			23:33																				
ZZZZZZ			23:39																				
ZZZZZZ			23:44																				
CCV 680-182951/131			23:49																				
CCB 680-182951/132			23:54																				
ZZZZZZ			00:00																				
ZZZZZZ			00:05																				
ZZZZZZ			00:10																				
ZZZZZZ			00:16																				
ZZZZZZ			00:21																				
ZZZZZZ			00:26																				
ZZZZZZ			00:32																				
ZZZZZZ			00:37																				
CCV 680-182951/141			00:42																				
CCB 680-182951/142			00:48																				
ZZZZZZ			00:53																				
ZZZZZZ			00:58																				
ZZZZZZ			01:04																				
ZZZZZZ			01:09																				
ZZZZZZ			01:14																				
ZZZZZZ			01:20																				
ZZZZZZ			01:25																				
ZZZZZZ			01:30																				
ZZZZZZ			01:36																				
ZZZZZZ			01:41																				
CCV 680-182951/153			01:46																				
CCB 680-182951/154			01:51																				
ZZZZZZ			01:57																				
ZZZZZZ			02:02																				
ZZZZZZ			02:07																				
ZZZZZZ			02:13																				
ZZZZZZ			02:18																				
ZZZZZZ			02:23																				
ZZZZZZ			02:29																				
ZZZZZZ			02:34																				
ZZZZZZ			02:39																				
ZZZZZZ			02:45																				
CCV 680-182951/165			02:50																				
CCB 680-182951/166			02:55																				
ZZZZZZ			03:01																				
ZZZZZZ			03:06																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Instrument ID: ICPD Method: 6010C

Start Date: 10/13/2010 11:08 End Date: 10/14/2010 12:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			03:11																				
ZZZZZZ			03:17																				
ZZZZZZ			03:22																				
ZZZZZZ			03:27																				
CCV 680-182951/173			03:33																				
CCB 680-182951/174			03:38																				
ZZZZZZ			03:43																				
ZZZZZZ			03:49																				
ZZZZZZ			03:54																				
ZZZZZZ			03:59																				
ZZZZZZ			04:05																				
ZZZZZZ			04:10																				
ZZZZZZ			04:15																				
ZZZZZZ			04:21																				
ZZZZZZ			04:26																				
ZZZZZZ			04:31																				
CCV 680-182951/185			04:37																				
CCB 680-182951/186			04:42																				
ZZZZZZ			04:47																				
ZZZZZZ			04:53																				
ZZZZZZ			04:58																				
ZZZZZZ			05:03																				
ZZZZZZ			05:09																				
ZZZZZZ			05:14																				
ZZZZZZ			05:19																				
ZZZZZZ			05:25																				
ZZZZZZ			05:30																				
ZZZZZZ			05:35																				
CCV 680-182951/197			05:41																				
CCB 680-182951/198			05:46																				
ZZZZZZ			05:51																				
ZZZZZZ			05:57																				
ZZZZZZ			06:02																				
ZZZZZZ			06:07																				
ZZZZZZ			06:13																				
ZZZZZZ			06:18																				
CCV 680-182951/205			06:23																				
CCB 680-182951/206			06:29																				
ZZZZZZ			06:34																				
ZZZZZZ			06:39																				
ZZZZZZ			06:45																				
ZZZZZZ			06:50																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Instrument ID: ICPD Method: 6010C

Start Date: 10/13/2010 11:08 End Date: 10/14/2010 12:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			06:55																				
ZZZZZZ			07:01																				
ZZZZZZ			07:06																				
ZZZZZZ			07:11																				
ZZZZZZ			07:17																				
ZZZZZZ			07:22																				
CCV 680-182951/217			07:30																				
CCB 680-182951/218			07:39																				
ZZZZZZ			07:44																				
ZZZZZZ			07:49																				
ZZZZZZ			07:55																				
ZZZZZZ			08:00																				
ZZZZZZ			08:05																				
ZZZZZZ			08:11																				
ZZZZZZ			08:16																				
CCV 680-182951/226			08:24																				
CCB 680-182951/227			08:33																				
ZZZZZZ			08:38																				
ZZZZZZ			08:45																				
ZZZZZZ			08:52																				
ZZZZZZ			08:58																				
ZZZZZZ			09:05																				
ZZZZZZ			09:12																				
CCV 680-182951/234			09:22																				
CCB 680-182951/235			09:30																				
CCV 680-182951/236			09:51																				
CCB 680-182951/237			10:01																				
ZZZZZZ			10:07																				
ZZZZZZ			10:13																				
ZZZZZZ			10:19																				
ZZZZZZ			10:24																				
ZZZZZZ			10:31																				
ZZZZZZ			10:37																				
ZZZZZZ			10:41																				
ZZZZZZ			10:56																				
ZZZZZZ			11:01																				
ZZZZZZ			11:09																				
CCV 680-182951/248	1		11:42	X	X	X	X	X	X	X													
CCB 680-182951/249	1		11:48	X	X	X	X	X	X	X													
ZZZZZZ			11:58																				
CRI 680-182951/251	1		12:03	X	X	X	X	X	X	X													
ICSA 680-182951/252	1		12:08	X	X	X	X	X	X	X													

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Instrument ID: ICPD Method: 6010C

Start Date: 10/13/2010 11:08 End Date: 10/14/2010 12:27

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ICSAB 680-182951/253	1		12:13	X	X	X	X	X	X	X													
CCV 680-182951/254	1		12:19	X	X	X	X	X	X	X													
CCB 680-182951/255	1		12:27	X	X	X	X	X	X	X													

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 10/21/2010 09:13 End Date: 10/21/2010 17:21

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD01REP1 680-183856/1 IC			09:13	X																			
STD02REP1 680-183856/2 IC			09:16	X																			
STD03REP1 680-183856/3 IC			09:19	X																			
STD04REP1 680-183856/4 IC			09:22	X																			
STD05REP1 680-183856/5 IC			09:26	X																			
STD06REP1 680-183856/6 IC			09:29	X																			
ZZZZZZ			09:39																				
ICV 680-183856/8	1		09:43	X																			
ICB 680-183856/9	1		09:46	X																			
CCV 680-183856/10	1		10:14	X																			
CCB 680-183856/11	1		10:17	X																			
CRA 680-183856/12	1		10:20	X																			
ZZZZZZ			10:23																				
ZZZZZZ			10:26																				
ZZZZZZ			10:29																				
ZZZZZZ			10:32																				
ZZZZZZ			10:35																				
ZZZZZZ			10:38																				
ZZZZZZ			10:41																				
ZZZZZZ			10:44																				
ZZZZZZ			10:48																				
CCV 680-183856/22	1		10:51	X																			
CCB 680-183856/23	1		10:54	X																			
CCV 680-183856/24			10:57																				
CCB 680-183856/25			10:59																				
ZZZZZZ			11:02																				
ZZZZZZ			11:05																				
ZZZZZZ			11:08																				
ZZZZZZ			11:11																				
ZZZZZZ			11:14																				
ZZZZZZ			11:17																				
ZZZZZZ			11:20																				
ZZZZZZ			11:23																				
ZZZZZZ			11:26																				
ZZZZZZ			11:29																				
ZZZZZZ			11:32																				
ZZZZZZ			11:34																				
ZZZZZZ			11:40																				
ZZZZZZ			11:43																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 10/21/2010 09:13 End Date: 10/21/2010 17:21

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			11:45																				
ZZZZZZ			11:49																				
ZZZZZZ			11:51																				
CCV 680-183856/43			12:01																				
CCB 680-183856/44			12:04																				
ZZZZZZ			12:06																				
ZZZZZZ			12:09																				
ZZZZZZ			12:12																				
ZZZZZZ			12:16																				
ZZZZZZ			12:19																				
ZZZZZZ			12:22																				
ZZZZZZ			12:25																				
ZZZZZZ			12:27																				
ZZZZZZ			12:30																				
ZZZZZZ			12:33																				
CCV 680-183856/55			12:36																				
CCB 680-183856/56			12:39																				
ZZZZZZ			12:42																				
ZZZZZZ			12:51																				
ZZZZZZ			12:54																				
CCV 680-183856/60			13:03																				
CCB 680-183856/61			13:06																				
ZZZZZZ			13:09																				
ZZZZZZ			13:12																				
ZZZZZZ			13:15																				
ZZZZZZ			13:18																				
ZZZZZZ			13:21																				
ZZZZZZ			13:23																				
ZZZZZZ			13:26																				
ZZZZZZ			13:29																				
ZZZZZZ			13:33																				
ZZZZZZ			13:35																				
CCV 680-183856/72			13:38																				
CCB 680-183856/73			13:42																				
ZZZZZZ			13:45																				
ZZZZZZ			13:47																				
ZZZZZZ			13:50																				
ZZZZZZ			13:53																				
ZZZZZZ			13:56																				
ZZZZZZ			14:00																				
ZZZZZZ			14:03																				
ZZZZZZ			14:06																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 10/21/2010 09:13 End Date: 10/21/2010 17:21

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			14:09																				
ZZZZZZ			14:12																				
CCV 680-183856/84			14:15																				
CCB 680-183856/85			14:18																				
ZZZZZZ			14:22																				
ZZZZZZ			14:26																				
ZZZZZZ			14:29																				
ZZZZZZ			14:32																				
ZZZZZZ			14:35																				
ZZZZZZ			14:38																				
CCV 680-183856/92			14:51																				
CCB 680-183856/93			14:54																				
ZZZZZZ			14:58																				
ZZZZZZ			15:00																				
ZZZZZZ			15:04																				
ZZZZZZ			15:07																				
ZZZZZZ			15:10																				
CCV 680-183856/99	1		15:16	X																			
CCB 680-183856/100	1		15:19	X																			
MB 680-183493/1-A	1	T	15:21	X																			
LCS 680-183493/2-A	1	T	15:24	X																			
680-62043-1	1	T	15:27	X																			
680-62043-2	1	T	15:30	X																			
680-62043-3	1	T	15:33	X																			
680-62043-4	1	T	15:37	X																			
ZZZZZZ			15:41																				
ZZZZZZ			15:44																				
ZZZZZZ			15:47																				
ZZZZZZ			15:51																				
CCV 680-183856/111	1		15:54	X																			
CCB 680-183856/112	1		15:57	X																			
680-62177-A-1-E DU	1	T	16:00	X																			
ZZZZZZ			16:03																				
CCV 680-183856/115	1		16:08	X																			
CCB 680-183856/116	1		16:11	X																			
680-62177-A-1-F MS	1	T	16:14	X																			
ZZZZZZ			16:18																				
ZZZZZZ			16:21																				
ZZZZZZ			16:24																				
ZZZZZZ			16:27																				
ZZZZZZ			16:30																				
ZZZZZZ			16:34																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 10/21/2010 09:13 End Date: 10/21/2010 17:21

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			16:37																				
ZZZZZZ			16:40																				
ZZZZZZ			16:44																				
CCV 680-183856/127	1		16:46	X																			
CCB 680-183856/128	1		16:49	X																			
ZZZZZZ			16:52																				
ZZZZZZ			16:55																				
ZZZZZZ			16:58																				
ZZZZZZ			17:01																				
CCV 680-183856/133			17:04																				
CCB 680-183856/134			17:07																				
ZZZZZZ			17:10																				
ZZZZZZ			17:12																				
ZZZZZZ			17:16																				
CCV 680-183856/138			17:18																				
CCB 680-183856/139			17:21																				

Prep Types

T = Total/NA

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	HIGH STD 00034	D101310	2PTTR2	10/13/10	11:13	BCB	S	CONC
2	ICVP 00190	D101310	2PTTR2	10/13/10	11:20	BCB	S	CONC
3	ICVP 00190	D101310	2PTTR2	10/13/10	11:24	BCB	S	CONC
4	ICB	D101310	2PTTR2	10/13/10	11:32	BCB	S	CONC
5	ICVP 00190	D101310	2PTTR2	10/13/10	11:36	BCB	S	CONC
6	ICB	D101310	2PTTR2	10/13/10	11:41	BCB	S	CONC
7	RL ICP 00045	D101310	2PTTR2	10/13/10	11:45	BCB	S	CONC
8	ICSA61 00022	D101310	2PTTR2	10/13/10	12:01	BCB	S	CONC
9	ICSAB61	D101310	2PTTR2	10/13/10	12:05	BCB	S	CONC
10	CCVP 00072	D101310	2PTTR2	10/13/10	12:13	BCB	S	CONC
11	CCB	D101310	2PTTR2	10/13/10	12:20	BCB	S	CONC
12	PBW 182692	D101310	2PTTR2	10/13/10	12:25	BCB	S	CONC
13	LCSW-1	D101310	2PTTR2	10/13/10	12:31	BCB	S	CONC
14	62053-21	D101310	2PTTR2	10/13/10	12:36	BCB	S	CONC
15	62053-22	D101310	2PTTR2	10/13/10	12:41	BCB	S	CONC
16	62053-23	D101310	2PTTR2	10/13/10	12:46	BCB	S	CONC
17	62053-24	D101310	2PTTR2	10/13/10	12:52	BCB	S	CONC
18	62053-25	D101310	2PTTR2	10/13/10	12:57	BCB	S	CONC
19	62053-26	D101310	2PTTR2	10/13/10	13:02	BCB	S	CONC
20	RINSE	D101310	2PTTR2	10/13/10	13:08	BCB	S	CONC
21	CCV	D101310	2PTTR2	10/13/10	13:13	BCB	S	CONC
22	CCB	D101310	2PTTR2	10/13/10	13:20	BCB	S	CONC
23	PBW 182691	D101310	2PTTR2	10/13/10	13:25	BCB	S	CONC
24	LCSW-1	D101310	2PTTR2	10/13/10	13:30	BCB	S	CONC
25	LCSW-2	D101310	2PTTR2	10/13/10	13:36	BCB	S	CONC
26	62053-1	D101310	2PTTR2	10/13/10	13:41	BCB	S	CONC
27	62053-2	D101310	2PTTR2	10/13/10	13:46	BCB	S	CONC
28	62053-3	D101310	2PTTR2	10/13/10	13:52	BCB	S	CONC
29	62053-4	D101310	2PTTR2	10/13/10	13:57	BCB	S	CONC
30	62053-5	D101310	2PTTR2	10/13/10	14:02	BCB	S	CONC
31	62053-6	D101310	2PTTR2	10/13/10	14:08	BCB	S	CONC
32	RINSE	D101310	2PTTR2	10/13/10	14:13	BCB	S	CONC
33	CCV	D101310	2PTTR2	10/13/10	14:18	BCB	S	CONC
34	CCB	D101310	2PTTR2	10/13/10	14:25	BCB	S	CONC
35	62053-7	D101310	2PTTR2	10/13/10	14:30	BCB	S	CONC
36	62053-8	D101310	2PTTR2	10/13/10	14:36	BCB	S	CONC
37	62053-9	D101310	2PTTR2	10/13/10	14:41	BCB	S	CONC
38	62053-10	D101310	2PTTR2	10/13/10	14:46	BCB	S	CONC
39	62053-11	D101310	2PTTR2	10/13/10	14:52	BCB	S	CONC
40	62053-12	D101310	2PTTR2	10/13/10	14:57	BCB	S	CONC
41	RINSE	D101310	2PTTR2	10/13/10	15:02	BCB	S	CONC
42	CCV	D101310	2PTTR2	10/13/10	15:08	BCB	S	CONC
43	CCB	D101310	2PTTR2	10/13/10	15:14	BCB	S	CONC
44	62053-13 1/10	D101310	2PTTR2	10/13/10	15:20	BCB	S	CONC
45	CCV	D101310	2PTTR2	10/13/10	15:26	BCB	S	CONC
46	CCB	D101310	2PTTR2	10/13/10	15:32	BCB	S	CONC
47	62053-13 1/10	D101310	2PTTR2	10/13/10	15:38	BCB	S	CONC
48	62053-14 1/10	D101310	2PTTR2	10/13/10	15:43	BCB	S	CONC
49	62053-15	D101310	2PTTR2	10/13/10	15:48	BCB	S	CONC
50	62053-16	D101310	2PTTR2	10/13/10	15:53	BCB	S	CONC
51	62053-17	D101310	2PTTR2	10/13/10	15:58	BCB	S	CONC
52	62053-18	D101310	2PTTR2	10/13/10	16:04	BCB	S	CONC
53	62053-19	D101310	2PTTR2	10/13/10	16:09	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	62053-20	D101310	2PTTR2	10/13/10	16:14	BCB	S	CONC
55	RINSE	D101310	2PTTR2	10/13/10	16:19	BCB	S	CONC
56	CCV	D101310	2PTTR2	10/13/10	16:24	BCB	S	CONC
57	CCB	D101310	2PTTR2	10/13/10	16:31	BCB	S	CONC
58	62053-7	D101310	2PTTR2	10/13/10	16:45	BCB	S	CONC
59	62053-9	D101310	2PTTR2	10/13/10	16:50	BCB	S	CONC
60	62053-10	D101310	2PTTR2	10/13/10	16:55	BCB	S	CONC
61	62053-11	D101310	2PTTR2	10/13/10	17:01	BCB	S	CONC
62	62053-12	D101310	2PTTR2	10/13/10	17:06	BCB	S	CONC
63	62053-2 1/5	D101310	2PTTR2	10/13/10	17:15	BCB	S	CONC
64	62053-8 1/5	D101310	2PTTR2	10/13/10	17:21	BCB	S	CONC
65	62053-18 1/20	D101310	2PTTR2	10/13/10	17:27	BCB	S	CONC
66	62053-18 1/50	D101310	2PTTR2	10/13/10	17:32	BCB	S	CONC
67	CCV	D101310	2PTTR2	10/13/10	18:07	BCB	S	CONC
68	CCB	D101310	2PTTR2	10/13/10	18:12	BCB	S	CONC
69	PBW 182698	D101310	2PTTR2	10/13/10	18:31	BCB	S	CONC
70	LCSW-1	D101310	2PTTR2	10/13/10	18:36	BCB	S	CONC
71	62051-1	D101310	2PTTR2	10/13/10	18:41	BCB	S	CONC
72	62051-1S	D101310	2PTTR2	10/13/10	18:46	BCB	S	CONC
73	62051-1SD	D101310	2PTTR2	10/13/10	18:51	BCB	S	CONC
74	62051-2	D101310	2PTTR2	10/13/10	18:57	BCB	S	CONC
75	62051-3	D101310	2PTTR2	10/13/10	19:02	BCB	S	CONC
76	62051-4	D101310	2PTTR2	10/13/10	19:07	BCB	S	CONC
77	62043-1	D101310	2PTTR2	10/13/10	19:12	BCB	S	CONC
78	62043-1L	D101310	2PTTR2	10/13/10	19:18	BCB	S	CONC
79	CCV	D101310	2PTTR2	10/13/10	19:23	BCB	S	CONC
80	CCB	D101310	2PTTR2	10/13/10	19:28	BCB	S	CONC
81	62043-1A	D101310	2PTTR2	10/13/10	19:33	BCB	S	CONC
82	62043-2	D101310	2PTTR2	10/13/10	19:38	BCB	S	CONC
83	62043-3	D101310	2PTTR2	10/13/10	19:44	BCB	S	CONC
84	62043-4	D101310	2PTTR2	10/13/10	19:49	BCB	S	CONC
85	61920-1	D101310	2PTTR2	10/13/10	19:54	BCB	S	CONC
86	61920-2	D101310	2PTTR2	10/13/10	19:59	BCB	S	CONC
87	61920-3	D101310	2PTTR2	10/13/10	20:04	BCB	S	CONC
88	61920-4	D101310	2PTTR2	10/13/10	20:10	BCB	S	CONC
89	CCV	D101310	2PTTR2	10/13/10	20:15	BCB	S	CONC
90	CCB	D101310	2PTTR2	10/13/10	20:20	BCB	S	CONC
91	61932-1 1/10	D101310	2PTTR2	10/13/10	20:25	BCB	S	CONC
92	61932-3 1/10	D101310	2PTTR2	10/13/10	20:30	BCB	S	CONC
93	61932-4 1/10	D101310	2PTTR2	10/13/10	20:35	BCB	S	CONC
94	61962-4	D101310	2PTTR2	10/13/10	20:43	BCB	S	CONC
95	61962-4L	D101310	2PTTR2	10/13/10	20:49	BCB	S	CONC
96	61962-4A	D101310	2PTTR2	10/13/10	20:54	BCB	S	CONC
97	61962-4S	D101310	2PTTR2	10/13/10	20:59	BCB	S	CONC
98	61962-4SD	D101310	2PTTR2	10/13/10	21:04	BCB	S	CONC
99	CCV	D101310	2PTTR2	10/13/10	21:10	BCB	S	CONC
100	CCB	D101310	2PTTR2	10/13/10	21:15	BCB	S	CONC
101	61990-1	D101310	2PTTR2	10/13/10	21:20	BCB	S	CONC
102	61990-2	D101310	2PTTR2	10/13/10	21:26	BCB	S	CONC
103	62030-3	D101310	2PTTR2	10/13/10	21:31	BCB	S	CONC
104	61924-2	D101310	2PTTR2	10/13/10	21:36	BCB	S	CONC
105	61927-3	D101310	2PTTR2	10/13/10	21:42	BCB	S	CONC
106	61922-1	D101310	2PTTR2	10/13/10	21:47	BCB	S	CONC
107	CCV	D101310	2PTTR2	10/13/10	21:52	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	CCB	D101310	2PTTR2	10/13/10	21:58	BCB	S	CONC
109	PBW 182785	D101310	2PTTR2	10/13/10	22:03	BCB	S	CONC
110	LCSW-1	D101310	2PTTR2	10/13/10	22:08	BCB	S	CONC
111	61764-41	D101310	2PTTR2	10/13/10	22:13	BCB	S	CONC
112	61764-42	D101310	2PTTR2	10/13/10	22:19	BCB	S	CONC
113	61764-43	D101310	2PTTR2	10/13/10	22:24	BCB	S	CONC
114	61764-45	D101310	2PTTR2	10/13/10	22:29	BCB	S	CONC
115	61759-1	D101310	2PTTR2	10/13/10	22:35	BCB	S	CONC
116	61759-1S	D101310	2PTTR2	10/13/10	22:40	BCB	S	CONC
117	61759-1SD	D101310	2PTTR2	10/13/10	22:45	BCB	S	CONC
118	61759-2	D101310	2PTTR2	10/13/10	22:51	BCB	S	CONC
119	CCV	D101310	2PTTR2	10/13/10	22:56	BCB	S	CONC
120	CCB	D101310	2PTTR2	10/13/10	23:01	BCB	S	CONC
121	61759-3	D101310	2PTTR2	10/13/10	23:07	BCB	S	CONC
122	61759-4	D101310	2PTTR2	10/13/10	23:12	BCB	S	CONC
123	61759-5	D101310	2PTTR2	10/13/10	23:17	BCB	S	CONC
124	61761-1	D101310	2PTTR2	10/13/10	23:23	BCB	S	CONC
125	61761-2	D101310	2PTTR2	10/13/10	23:28	BCB	S	CONC
126	61761-3	D101310	2PTTR2	10/13/10	23:33	BCB	S	CONC
127	61761-4	D101310	2PTTR2	10/13/10	23:39	BCB	S	CONC
128	61890-1	D101310	2PTTR2	10/13/10	23:44	BCB	S	CONC
129	CCV	D101310	2PTTR2	10/13/10	23:49	BCB	S	CONC
130	CCB	D101310	2PTTR2	10/13/10	23:54	BCB	S	CONC
131	61900-1	D101310	2PTTR2	10/14/10	00:00	BCB	S	CONC
132	61965-1	D101310	2PTTR2	10/14/10	00:05	BCB	S	CONC
133	61991-1	D101310	2PTTR2	10/14/10	00:10	BCB	S	CONC
134	61991-1L	D101310	2PTTR2	10/14/10	00:16	BCB	S	CONC
135	61991-1A	D101310	2PTTR2	10/14/10	00:21	BCB	S	CONC
136	30338-1	D101310	2PTTR2	10/14/10	00:26	BCB	S	CONC
137	30338-9	D101310	2PTTR2	10/14/10	00:32	BCB	S	CONC
138	30370-1	D101310	2PTTR2	10/14/10	00:37	BCB	S	CONC
139	CCV	D101310	2PTTR2	10/14/10	00:42	BCB	S	CONC
140	CCB	D101310	2PTTR2	10/14/10	00:48	BCB	S	CONC
141	PBW 182776	D101310	2PTTR2	10/14/10	00:53	BCB	S	CONC
142	LCSW-1	D101310	2PTTR2	10/14/10	00:58	BCB	S	CONC
143	61764-1	D101310	2PTTR2	10/14/10	01:04	BCB	S	CONC
144	61764-2	D101310	2PTTR2	10/14/10	01:09	BCB	S	CONC
145	61764-3	D101310	2PTTR2	10/14/10	01:14	BCB	S	CONC
146	61764-3L	D101310	2PTTR2	10/14/10	01:20	BCB	S	CONC
147	61764-3A	D101310	2PTTR2	10/14/10	01:25	BCB	S	CONC
148	61764-3S	D101310	2PTTR2	10/14/10	01:30	BCB	S	CONC
149	61764-3SD	D101310	2PTTR2	10/14/10	01:36	BCB	S	CONC
150	61764-4	D101310	2PTTR2	10/14/10	01:41	BCB	S	CONC
151	CCV	D101310	2PTTR2	10/14/10	01:46	BCB	S	CONC
152	CCB	D101310	2PTTR2	10/14/10	01:51	BCB	S	CONC
153	61764-5	D101310	2PTTR2	10/14/10	01:57	BCB	S	CONC
154	61764-6	D101310	2PTTR2	10/14/10	02:02	BCB	S	CONC
155	61764-7	D101310	2PTTR2	10/14/10	02:07	BCB	S	CONC
156	61764-8	D101310	2PTTR2	10/14/10	02:13	BCB	S	CONC
157	61764-9	D101310	2PTTR2	10/14/10	02:18	BCB	S	CONC
158	61764-10	D101310	2PTTR2	10/14/10	02:23	BCB	S	CONC
159	61764-11	D101310	2PTTR2	10/14/10	02:29	BCB	S	CONC
160	61764-12	D101310	2PTTR2	10/14/10	02:34	BCB	S	CONC
161	61764-13	D101310	2PTTR2	10/14/10	02:39	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
162	61764-14	D101310	2PTTR2	10/14/10	02:45	BCB	S	CONC
163	CCV	D101310	2PTTR2	10/14/10	02:50	BCB	S	CONC
164	CCB	D101310	2PTTR2	10/14/10	02:55	BCB	S	CONC
165	61764-15	D101310	2PTTR2	10/14/10	03:01	BCB	S	CONC
166	61764-16	D101310	2PTTR2	10/14/10	03:06	BCB	S	CONC
167	61764-17	D101310	2PTTR2	10/14/10	03:11	BCB	S	CONC
168	61764-18	D101310	2PTTR2	10/14/10	03:17	BCB	S	CONC
169	61764-19	D101310	2PTTR2	10/14/10	03:22	BCB	S	CONC
170	61764-20	D101310	2PTTR2	10/14/10	03:27	BCB	S	CONC
171	CCV	D101310	2PTTR2	10/14/10	03:33	BCB	S	CONC
172	CCB	D101310	2PTTR2	10/14/10	03:38	BCB	S	CONC
173	PBW 182779	D101310	2PTTR2	10/14/10	03:43	BCB	S	CONC
174	LCSW-1	D101310	2PTTR2	10/14/10	03:49	BCB	S	CONC
175	61764-21	D101310	2PTTR2	10/14/10	03:54	BCB	S	CONC
176	61764-21L	D101310	2PTTR2	10/14/10	03:59	BCB	S	CONC
177	61764-21A	D101310	2PTTR2	10/14/10	04:05	BCB	S	CONC
178	61764-21S	D101310	2PTTR2	10/14/10	04:10	BCB	S	CONC
179	61764-21SD	D101310	2PTTR2	10/14/10	04:15	BCB	S	CONC
180	61764-22	D101310	2PTTR2	10/14/10	04:21	BCB	S	CONC
181	61764-23	D101310	2PTTR2	10/14/10	04:26	BCB	S	CONC
182	61764-24	D101310	2PTTR2	10/14/10	04:31	BCB	S	CONC
183	CCV	D101310	2PTTR2	10/14/10	04:37	BCB	S	CONC
184	CCB	D101310	2PTTR2	10/14/10	04:42	BCB	S	CONC
185	61764-25	D101310	2PTTR2	10/14/10	04:47	BCB	S	CONC
186	61764-26	D101310	2PTTR2	10/14/10	04:53	BCB	S	CONC
187	61764-27	D101310	2PTTR2	10/14/10	04:58	BCB	S	CONC
188	61764-28	D101310	2PTTR2	10/14/10	05:03	BCB	S	CONC
189	61764-29	D101310	2PTTR2	10/14/10	05:09	BCB	S	CONC
190	61764-30	D101310	2PTTR2	10/14/10	05:14	BCB	S	CONC
191	61764-31	D101310	2PTTR2	10/14/10	05:19	BCB	S	CONC
192	61764-32	D101310	2PTTR2	10/14/10	05:25	BCB	S	CONC
193	61764-33	D101310	2PTTR2	10/14/10	05:30	BCB	S	CONC
194	61764-34	D101310	2PTTR2	10/14/10	05:35	BCB	S	CONC
195	CCV	D101310	2PTTR2	10/14/10	05:41	BCB	S	CONC
196	CCB	D101310	2PTTR2	10/14/10	05:46	BCB	S	CONC
197	61764-35	D101310	2PTTR2	10/14/10	05:51	BCB	S	CONC
198	61764-36	D101310	2PTTR2	10/14/10	05:57	BCB	S	CONC
199	61764-37	D101310	2PTTR2	10/14/10	06:02	BCB	S	CONC
200	61764-38	D101310	2PTTR2	10/14/10	06:07	BCB	S	CONC
201	61764-39	D101310	2PTTR2	10/14/10	06:13	BCB	S	CONC
202	61764-40	D101310	2PTTR2	10/14/10	06:18	BCB	S	CONC
203	CCV	D101310	2PTTR2	10/14/10	06:23	BCB	S	CONC
204	CCB	D101310	2PTTR2	10/14/10	06:29	BCB	S	CONC
205	PBW 182801	D101310	2PTTR2	10/14/10	06:34	BCB	S	CONC
206	LCSW-1	D101310	2PTTR2	10/14/10	06:39	BCB	S	CONC
207	LCSW-2	D101310	2PTTR2	10/14/10	06:45	BCB	S	CONC
208	62091-1	D101310	2PTTR2	10/14/10	06:50	BCB	S	CONC
209	62091-2 1/10	D101310	2PTTR2	10/14/10	06:55	BCB	S	CONC
210	62091-3 1/10	D101310	2PTTR2	10/14/10	07:01	BCB	S	CONC
211	62091-4	D101310	2PTTR2	10/14/10	07:06	BCB	S	CONC
212	62091-5	D101310	2PTTR2	10/14/10	07:11	BCB	S	CONC
213	62091-6 1/10	D101310	2PTTR2	10/14/10	07:17	BCB	S	CONC
214	62091-7	D101310	2PTTR2	10/14/10	07:22	BCB	S	CONC
215	CCV	D101310	2PTTR2	10/14/10	07:30	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
216	CCB	D101310	2PTTR2	10/14/10	07:39	BCB	S	CONC
217	62091-8	D101310	2PTTR2	10/14/10	07:44	BCB	S	CONC
218	62091-9	D101310	2PTTR2	10/14/10	07:49	BCB	S	CONC
219	62091-10 1/10	D101310	2PTTR2	10/14/10	07:55	BCB	S	CONC
220	62091-11 1/10	D101310	2PTTR2	10/14/10	08:00	BCB	S	CONC
221	62091-12	D101310	2PTTR2	10/14/10	08:05	BCB	S	CONC
222	62091-13 1/10	D101310	2PTTR2	10/14/10	08:11	BCB	S	CONC
223	62091-14 1/10	D101310	2PTTR2	10/14/10	08:16	BCB	S	CONC
224	CCV	D101310	2PTTR2	10/14/10	08:24	BCB	S	CONC
225	CCB	D101310	2PTTR2	10/14/10	08:33	BCB	S	CONC
226	62091-2	D101310	2PTTR2	10/14/10	08:38	BCB	S	CONC
227	62091-3	D101310	2PTTR2	10/14/10	08:45	BCB	S	CONC
228	62091-6	D101310	2PTTR2	10/14/10	08:52	BCB	S	CONC
229	62091-10	D101310	2PTTR2	10/14/10	08:58	BCB	S	CONC
230	62091-13	D101310	2PTTR2	10/14/10	09:05	BCB	S	CONC
231	62091-14	D101310	2PTTR2	10/14/10	09:12	BCB	S	CONC
232	CCV	D101310	2PTTR2	10/14/10	09:22	BCB	S	CONC
233	CCB	D101310	2PTTR2	10/14/10	09:30	BCB	S	CONC
234	CCV	D101310	2PTTR2	10/14/10	09:51	BCB	S	CONC
235	CCB	D101310	2PTTR2	10/14/10	10:01	BCB	S	CONC
236	62030-3	D101310	2PTTR2	10/14/10	10:07	BCB	S	CONC
237	62091-2 1/100	D101310	2PTTR2	10/14/10	10:13	BCB	S	CONC
238	62091-3 1/100	D101310	2PTTR2	10/14/10	10:19	BCB	S	CONC
239	62091-6 1/100	D101310	2PTTR2	10/14/10	10:24	BCB	S	CONC
240	62091-7 1/100	D101310	2PTTR2	10/14/10	10:31	BCB	S	CONC
241	62091-8 1/100	D101310	2PTTR2	10/14/10	10:37	BCB	S	CONC
242	62091-10 1/100	D101310	2PTTR2	10/14/10	10:41	BCB	S	CONC
243	62091-13 1/100	D101310	2PTTR2	10/14/10	10:56	BCB	S	CONC
244	62091-14 1/100	D101310	2PTTR2	10/14/10	11:01	BCB	S	CONC
245	62091-11 1/100	D101310	2PTTR2	10/14/10	11:09	BCB	S	CONC
246	CCV	D101310	2PTTR2	10/14/10	11:42	BCB	S	CONC
247	CCB	D101310	2PTTR2	10/14/10	11:48	BCB	S	CONC
248	RL ICP	D101310	2PTTR2	10/14/10	11:58	BCB	S	CONC
249	RL ICP	D101310	2PTTR2	10/14/10	12:03	BCB	S	CONC
250	ICSA61	D101310	2PTTR2	10/14/10	12:08	BCB	S	CONC
251	ICSAB61	D101310	2PTTR2	10/14/10	12:13	BCB	S	CONC
252	CCV	D101310	2PTTR2	10/14/10	12:19	BCB	S	CONC
253	CCB	D101310	2PTTR2	10/14/10	12:27	BCB	S	CONC

#	Sample Name	Ag	Al	2Al	As	B	Ba
1	HIGH STD 00034	1002.8	9964.8	9.9639	1008.3	10067.	9961.0
2	ICVP 00190	989.68	998.44	.99845	1030.5	1035.9	1008.5
3	ICVP 00190	987.17	997.47	.99729	1033.6	1019.8	1009.4
4	ICB	-2.1878	-.03633	-.00003	-1.8262	4.8730	-.02878
5	ICVP 00190	985.81	999.09	.99910	1028.4	1012.7	1013.4
6	ICB	.85430	10.640	.01063	1.4505	2.4511	.18267
7	RL ICP 00045	8.9808	206.84	.20684	18.846	102.10	9.9400
8	ICSA61 00022	-1.6857	507760.	507.74	-2.1549	13.010	.40008
9	ICSAB61	212.84	505570.	505.56	99.272	12.953	526.28
10	CCVP 00072	488.67	4904.8	4.9046	499.64	4991.9	4980.0
11	CCB	-.85702	8.2351	.00823	-.89946	3.2503	.27193
12	PBW 182692	-1.2273	12.702	.01270	-1.0091	-.33063	-.09261
13	LCSW-1	49.277	2016.4	2.0163	1988.6	982.02	2085.9
14	62053-21	-.52479	1625.0	1.6251	6.8761	87.089	14.843
15	62053-22	-.15786	22092.	22.093	16.461	108.48	163.89
16	62053-23	.03620	1549.3	1.5493	3.6610	151.23	23.022
17	62053-24	-.69898	760.90	.76092	-8.2507	189.86	72.247
18	62053-25	-1.7974	482.06	.48207	2.2810	158.43	158.38
19	62053-26	4.0805	656.68	.65670	.96489	132.48	117.41
20	RINSE	-.51725	2.3532	.00235	2.2024	-2.4418	-.24528
21	CCV	490.63	4838.3	4.8383	512.09	5093.3	4910.0
22	CCB	.26022	12.098	.01209	4.3753	4.9134	.32556
23	PBW 182691	-3.2620	8.5472	.00854	1.2140	-.30799	-.53383
24	LCSW-1	49.418	1991.8	1.9918	2031.1	995.56	2051.3
25	LCSW-2	50.416	2024.5	2.0245	2069.5	1008.3	2097.5
26	62053-1	.37143	6360.0	6.3599	3.8550	19.471	29.482
27	62053-2	1.0177	460030.	460.01	583.72	156.38	686.75
28	62053-3	.54999	365450.	365.43	553.19	113.28	676.32
29	62053-4	2.6254	4818.3	4.8182	9.1834	27.944	186.16
30	62053-5	-.36133	1712.7	1.7126	.36246	47.885	37.075
31	62053-6	-1.5303	10155.	10.155	11.517	34.286	98.079
32	RINSE	2.7113	3.2127	.00321	-9.4171	-4.7481	.77183
33	CCV	485.70	4753.7	4.7534	506.11	5079.4	4878.5
34	CCB	-.15926	7.1186	.00711	-.41576	3.8466	-.00338
35	62053-7	-.10768	10933.	10.933	10.021	40.736	103.62
36	62053-8	-.86752	2236.5	2.2364	2.5297	27.568	59.793
37	62053-9	.36246	2122.5	2.1225	.57317	38.107	58.438
38	62053-10	-.49172	2534.0	2.5341	-1.6924	41.713	156.41
39	62053-11	-.53983	4272.2	4.2721	-.40938	46.436	284.04
40	62053-12	-.85768	835.51	.83553	-.05562	48.624	209.20
41	RINSE	-.73583	8.7014	.00870	-2.4397	-.67002	-.15535
42	CCV	487.64	4759.5	4.7594	517.57	5137.3	4877.2
43	CCB	-.14757	13.764	.01376	1.5221	5.4514	.23897
44	62053-13 1/10	2.0634	147100.	147.10	83.537	52.493	198.08
45	CCV	489.25	4832.7	4.8326	502.88	5065.5	4953.6
46	CCB	-3.6071	12.906	.01290	-4.0762	5.0984	-.11820
47	62053-13 1/10	-.88114	167470.	167.46	61.777	58.734	224.05
48	62053-14 1/10	1.9103	135830.	135.83	130.20	50.359	202.89
49	62053-15	.38871	25828.	25.827	29.835	139.67	34.875
50	62053-16	-.01208	5149.3	5.1492	6.3953	27.256	98.655
51	62053-17	-.96275	12004.	12.003	18.131	135.65	21.889
52	62053-18	-.75955	20237.	20.236	25.542	32.062	62.402
53	62053-19	-.19518	4696.8	4.6968	9.1790	69.488	17.204

#	Sample Name	Ag	Al	2Al	As	B	Ba
54	62053-20	-.91365	2454.3	2.4541	2.6892	62.921	10.379
55	RINSE	-.90596	18.692	.01869	-2.2102	-1.3573	-.36457
56	CCV	488.59	4837.2	4.8372	508.12	5072.0	4942.8
57	CCB	-.30465	11.927	.01192	-2.7385	4.7383	.38045
58	62053-7	.23739	9301.5	9.3017	8.5244	36.083	98.294
59	62053-9	-.02321	1561.9	1.5619	-1.5222	38.611	56.740
60	62053-10	-.43697	1742.7	1.7425	-1.5416	39.244	154.85
61	62053-11	1.1140	3142.1	3.1420	5.7823	45.153	283.57
62	62053-12	1.2905	565.68	.56569	3.8347	51.236	209.20
63	62053-2 1/5	-.42228	128290.	128.28	155.69	46.710	188.66
64	62053-8 1/5	-.73920	563.25	.56326	1.0061	7.6739	18.531
65	62053-18 1/20	.16899	6029.4	6.0293	7.8343	9.0405	18.611
66	62053-18 1/50	.28961	2839.9	2.8399	-.68755	1.4941	8.7791
67	CCV	470.91	4740.6	4.7404	492.91	4906.4	4770.5
68	CCB	-2.4373	-6.2687	-.00626	.01899	10.051	-.39673
69	PBW 182698	-.95427	-.14933	-.00014	-1.3211	1.3942	-.08900
70	LCSW-1	45.550	1942.9	1.9428	1984.0	961.19	1967.1
71	62051-1	1.0451	115940.	115.94	15.522	85.292	1847.7
72	62051-1S	44.245	129320.	129.31	1875.1	969.75	3856.0
73	62051-1SD	46.805	127780.	127.79	1975.5	1020.3	4244.7
74	62051-2	-.69315	111790.	111.78	12.958	77.498	1953.5
75	62051-3	-.73411	141250.	141.24	36.699	33.704	672.86
76	62051-4	-1.0679	156790.	156.79	45.924	41.980	792.30
77	62043-1	-.38152	34327.	34.327	18.080	16.280	150.43
78	62043-1L	-2.1741	6955.8	6.9559	4.6244	3.9896	29.965
79	CCV	476.87	4823.6	4.8235	494.55	4898.3	4830.1
80	CCB	-.85789	.22361	.00022	3.5593	11.000	.98838
81	62043-1A	42.190	35855.	35.854	1926.3	866.36	2083.9
82	62043-2	-1.0301	36798.	36.798	6.4162	8.0513	130.96
83	62043-3	-.83068	40221.	40.220	5.2461	8.1603	108.67
84	62043-4	-.44391	42839.	42.839	9.0964	6.9722	126.16
85	61920-1	74.116	41595.	41.595	12.469	40.401	2323.9
86	61920-2	13.566	18862.	18.862	5.0656	56.238	951.81
87	61920-3	27.260	23354.	23.354	9.2332	54.535	1267.5
88	61920-4	-.21893	204830.	204.83	16.884	22.721	269.53
89	CCV	475.57	4893.4	4.8932	487.24	4849.9	4836.4
90	CCB	-.49372	-5.6417	-.00564	-1.8481	7.0543	.88540
91	61932-1 1/10	.16864	95765.	95.767	1.5387	210.71	5116.9
92	61932-3 1/10	1.6281	327.88	.32789	-.23388	2.1781	19.137
93	61932-4 1/10	-.67249	1429.2	1.4292	-1.5133	267.28	2493.2
94	61962-4	-1.4608	1128.6	1.1285	5.5156	599.03	103.30
95	61962-4L	-1.3143	223.68	.22368	.94666	118.00	20.152
96	61962-4A	44.001	3046.7	3.0468	1959.6	1459.5	2067.1
97	61962-4S	51.195	3360.6	3.3605	2001.0	1569.8	2104.9
98	61962-4SD	47.183	3413.2	3.4129	2040.1	1558.7	2147.2
99	CCV	479.37	4899.7	4.8995	485.89	4832.6	4865.1
100	CCB	.42274	-15.696	-.01569	-.30280	6.3296	1.0736
101	61990-1	-.02868	6776.3	6.7761	1.2382	895.36	138.00
102	61990-2	-1.5861	252.28	.25228	-.70126	252.45	73.014
103	62030-3	3.2960	267.21	.26721	-4.4200	811.33	117.20
104	61924-2	-.45227	15.804	.01580	-4.0403	55.765	18.801
105	61927-3	-.49272	-14.905	-.01490	-3.2884	27.917	18.083
106	61922-1	-.54010	154.20	.15420	-.92350	81.815	20.139
107	CCV	469.50	4860.4	4.8602	493.01	4861.7	4798.3

#	Sample Name	Ag	Al	2Al	As	B	Ba
108	CCB	-.70596	-16.087	-.01608	-.97317	8.4585	.98633
109	PBW 182785	-.31043	-18.426	-.01842	-4.9680	.03681	-.10134
110	LCSW-1	41.124	1838.7	1.8386	1850.3	910.97	1840.0
111	61764-41	-.53113	-11.064	-.01106	-2.9772	194.13	544.65
112	61764-42	.23901	45.603	.04560	29.416	210.15	215.14
113	61764-43	-.34023	3.5515	.00355	5.4202	596.76	47.371
114	61764-45	.07166	133.48	.13348	-.59909	31.367	33.390
115	61759-1	.15500	124.90	.12490	-2.6143	27.224	22.735
116	61759-1S	44.597	2370.5	2.3706	1963.4	981.16	1952.0
117	61759-1SD	38.315	2088.5	2.0885	1750.3	878.47	1718.5
118	61759-2	-.24735	75.631	.07563	-2.8841	32.683	24.018
119	CCV	471.34	4826.0	4.8260	495.22	4880.7	4724.4
120	CCB	.19071	-24.665	-.02466	-1.3647	6.8854	1.1159
121	61759-3	-.07897	157.45	.15745	-3.5325	33.654	22.831
122	61759-4	.05302	147.63	.14763	1.9038	28.971	22.607
123	61759-5	.17053	122.70	.12270	-1.7126	32.084	22.919
124	61761-1	-2.7473	841.84	.84186	4.5823	9.3831	14.021
125	61761-2	-.00171	509.10	.50911	-.32794	1.8469	24.027
126	61761-3	.12834	308.08	.30809	-4.9184	3.5105	13.247
127	61761-4	-.05107	30.158	.03015	2.0651	4.3743	6.4088
128	61890-1	-2.6984	2850.6	2.8506	-1.7536	34.215	-.05000
129	CCV	475.20	4862.4	4.8622	495.85	4903.5	4755.3
130	CCB	-.41835	-25.397	-.02539	-.65565	7.1318	.82662
131	61900-1	-.29766	3090.3	3.0902	-1.7462	1337.9	718.69
132	61965-1	1.4380	166.26	.16626	-3.8655	3055.8	10.373
133	61991-1	.22899	-18.377	-.01837	1.3839	76.227	115.63
134	61991-1L	-.13732	-26.691	-.02669	-3.4145	14.207	23.593
135	61991-1A	43.381	1904.0	1.9041	1993.3	939.80	2008.8
136	30338-1	-.61861	74.667	.07466	-.06792	15.708	5.1038
137	30338-9	-.16264	70.501	.07050	4.2349	68.763	.27823
138	30370-1	-.16468	1073.0	1.0730	-.12113	41.340	12.775
139	CCV	471.93	4824.8	4.8248	504.20	4905.4	4705.0
140	CCB	-.20793	-26.080	-.02608	.90006	8.5835	1.5489
141	PBW 182776	.43239	-26.966	-.02696	-.07409	-.24236	.03451
142	LCSW-1	44.956	1956.5	1.9564	2007.7	973.85	1936.8
143	61764-1	-.22497	239.71	.23972	-.67308	277.35	66.828
144	61764-2	-.11607	35809.	35.808	12.031	1007.4	272.89
145	61764-3	-.83146	19.014	.01901	-.87724	1228.0	70.238
146	61764-3L	-.11582	-12.478	-.01247	.02168	238.35	13.847
147	61764-3A	44.376	1948.7	1.9487	2045.9	2103.8	1964.5
148	61764-3S	44.668	1984.7	1.9847	2069.7	2241.2	1989.3
149	61764-3SD	46.074	2000.5	2.0005	2081.9	2245.0	2001.6
150	61764-4	-.05086	-22.050	-.02205	-.82909	2288.1	293.33
151	CCV	469.02	4785.7	4.7857	495.57	4834.2	4678.2
152	CCB	-.76029	-17.486	-.01748	-2.5684	8.3660	.88024
153	61764-5	-.49592	-6.1932	-.00619	-.77388	282.29	38.562
154	61764-6	.04100	52.513	.05251	-2.0587	49.038	93.577
155	61764-7	-.08542	16.004	.01600	4.9200	173.01	44.092
156	61764-8	.16265	8.3793	.00837	-1.0322	307.97	73.331
157	61764-9	-.90413	41.179	.04118	2.3252	20.104	96.692
158	61764-10	-.41087	-9.5374	-.00953	-3.0257	210.76	72.766
159	61764-11	.23726	14.249	.01424	1.1066	675.33	20.347
160	61764-12	-1.2074	-15.682	-.01568	-1.3214	149.64	14.965
161	61764-13	-.13524	-17.193	-.01719	-1.6441	162.05	74.505

#	Sample Name	Ag	Al	2Al	As	B	Ba
162	61764-14	.43476	-11.583	-.01158	6.4877	508.69	17.094
163	CCV	468.92	4827.3	4.8271	488.02	4823.0	4701.7
164	CCB	.22625	-17.580	-.01758	-1.3966	7.9449	1.1192
165	61764-15	-.67941	-7.6133	-.00761	2.2447	390.59	61.778
166	61764-16	.00692	210.52	.21052	-.21755	19.082	181.62
167	61764-17	-.67806	14.189	.01418	14.146	1175.7	1.4673
168	61764-18	-.78129	-5.4988	-.00549	19.140	300.19	11.397
169	61764-19	.00261	15.505	.01550	1.3433	23.438	105.11
170	61764-20	-1.0079	-10.820	-.01082	-2.4190	361.26	101.45
171	CCV	471.16	4854.9	4.8547	494.18	4852.9	4721.3
172	CCB	.05784	-22.997	-.02299	-.85946	8.0158	1.5574
173	PBW 182779	-.36758	-21.406	-.02140	-1.4157	1.5137	-.16780
174	LCSW-1	42.464	1865.8	1.8657	1899.6	931.20	1843.2
175	61764-21	-.60567	1926.0	1.9260	4.0533	97.987	9.4943
176	61764-21L	-.99871	363.94	.36395	-.35061	18.100	1.8023
177	61764-21A	43.853	3731.7	3.7318	1997.9	967.75	1902.1
178	61764-21S	43.226	3690.7	3.6904	1981.4	1033.5	1880.6
179	61764-21SD	45.351	3888.9	3.8888	2068.1	1078.1	1971.1
180	61764-22	-.10287	480.40	.48041	-.50675	120.27	58.670
181	61764-23	-.21760	-5.3161	-.00531	2.8339	684.28	17.655
182	61764-24	-.71092	-9.3440	-.00934	3.7569	699.92	53.915
183	CCV	468.07	4707.3	4.7071	487.22	4800.3	4716.4
184	CCB	-.32895	-12.317	-.01231	-1.8781	8.7501	1.2736
185	61764-25	-.21858	27.456	.02745	3.7833	359.81	16.924
186	61764-26	-.13028	-11.413	-.01141	.25837	205.67	8.5185
187	61764-27	-.99825	-10.958	-.01095	2.0419	27.093	37.510
188	61764-28	-.85676	37.571	.03757	4.3710	300.79	34.975
189	61764-29	-.03670	-9.5350	-.00953	-2.1034	241.24	21.684
190	61764-30	.43110	33.958	.03395	-.64815	337.05	16.440
191	61764-31	-.97633	-14.289	-.01428	.72939	124.76	20.951
192	61764-32	-.61572	-6.2923	-.00629	-3.5701	17.434	8.0746
193	61764-33	-.40908	-.33526	-.00033	1.0626	244.24	33.044
194	61764-34	-.56412	-11.435	-.01143	-1.6895	219.40	7.6709
195	CCV	474.28	4803.6	4.8037	489.85	4828.2	4811.0
196	CCB	-.56285	-12.222	-.01222	-.78519	7.7478	1.2890
197	61764-35	-.19243	-12.464	-.01246	-2.9666	143.70	65.037
198	61764-36	-.21316	-3.0416	-.00304	3.1871	1628.1	1.1859
199	61764-37	-1.3620	-9.1392	-.00913	.60858	1008.8	25.086
200	61764-38	-.29763	75.566	.07556	10.697	361.80	9.8634
201	61764-39	.00550	-.49822	-.00049	4.1870	490.31	55.767
202	61764-40	-.21894	-8.3270	-.00832	1.5181	67.434	65.964
203	CCV	474.49	4735.7	4.7354	484.34	4805.9	4752.0
204	CCB	-.35921	-18.034	-.01803	-2.4194	5.8935	1.6948
205	PBW 182801	-.26655	-21.414	-.02141	-1.4016	.84680	-.18988
206	LCSW-1	43.703	1888.2	1.8883	1948.3	948.02	1937.8
207	LCSW-2	43.893	1902.1	1.9021	1959.1	947.23	1949.7
208	62091-1	-.50220	22353.	22.352	29.487	20.054	46.538
209	62091-2 1/10	5.3899	5332.1	5.3320	2.8401	-6.2735	21.828
210	62091-3 1/10	1.7263	548.53	.54854	1.5597	-1.2566	1.6430
211	62091-4	-.20756	15629.	15.629	-2.2121	28.403	2.5035
212	62091-5	-.93228	3940.5	3.9403	2.8532	38.988	42.856
213	62091-6 1/10	2.9877	930.11	.93014	.40785	.88847	4.0468
214	62091-7	23.867	3301.2	3.3010	4.5166	30.137	7.3800
215	CCV	467.63	4697.2	4.6970	481.74	4781.6	4703.3

#	Sample Name	Ag	Al	2Al	As	B	Ba
216	CCB	.18916	-21.580	-.02158	-1.3217	3.0772	.18718
217	62091-8	3.6503	4347.1	4.3470	-1.8924	113.39	2.6446
218	62091-9	.60959	5189.7	5.1897	1.1431	40.549	106.98
219	62091-10 1/10	4.0888	3037.4	3.0373	.89700	1.7457	35.047
220	62091-11 1/10	3.2477	455.69	.45570	1.1892	3.1307	1.9091
221	62091-12	.10923	2643.4	2.6434	-2.2162	235.72	2.2586
222	62091-13 1/10	3.6570	339.01	.33902	2.3004	-5.3357	.29768
223	62091-14 1/10	3.3247	461.49	.46150	-1.8859	4.5682	2.4380
224	CCV	462.78	4678.9	4.6786	479.63	4742.9	4657.5
225	CCB	-.54478	-13.306	-.01330	1.3396	2.8831	.08930
226	62091-2	58.275	51899.	51.898	17.974	-42.499	210.73
227	62091-3	29.558	5481.8	5.4817	4.1161	-.02918	19.155
228	62091-6	35.119	8379.1	8.3789	8.2351	10.987	37.680
229	62091-10	41.096	23757.	23.756	14.220	23.855	271.13
230	62091-13	42.300	3507.5	3.5075	7.5284	-43.958	5.8360
231	62091-14	29.253	4585.1	4.5850	5.0151	65.506	25.895
232	CCV	466.00	4728.5	4.7282	473.44	4734.5	4723.6
233	CCB	-1.4228	-11.030	-.01103	-1.5538	2.6933	.17288
234	CCV	465.71	4744.9	4.7445	469.63	4691.4	4717.9
235	CCB	.26128	-12.021	-.01202	2.8645	-.12257	.28700
236	62030-3	.47785	277.08	.27708	.29932	777.83	113.95
237	62091-2 1/100	1.6890	525.96	.52597	-5.0455	-2.5155	2.5726
238	62091-3 1/100	-.66864	37.000	.03700	-2.0520	-.76281	-.03759
239	62091-6 1/100	.51285	77.870	.07787	1.8092	-1.1626	.26119
240	62091-7 1/100	.37585	17.816	.01781	-2.8773	-1.2571	.06286
241	62091-8 1/100	-.71280	28.100	.02810	-2.7440	-1.0239	-.16650
242	62091-10 1/100	-.57595	286.40	.28641	-1.6078	-2.8639	3.1994
243	62091-13 1/100	-.41911	15.854	.01585	-.74414	-2.4818	-.34793
244	62091-14 1/100	-.83344	25.068	.02506	-1.7339	-2.8193	-.02725
245	62091-11 1/100	-1.0429	22.015	.02201	-.49938	-2.0195	-.10235
246	CCV	471.56	4771.3	4.7712	484.36	4847.4	4784.8
247	CCB	-.43975	-11.613	-.01161	-.71491	8.1283	.00797
248	RL ICP	9.0343	194.03	.19403	19.638	100.48	9.7290
249	RL ICP	9.1781	197.08	.19708	20.768	100.27	9.6160
250	ICSA61	.26098	482940.	482.91	-.50627	14.530	.62593
251	ICSAB61	204.55	496760.	496.77	98.272	13.523	509.49
252	CCV	466.86	4703.8	4.7036	481.81	4785.1	4749.6
253	CCB	-.22872	-13.322	-.01332	-6.9004	2.9147	-.08933

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
1	HIGH STD 00034	1013.4	10139.	1016.8	1011.4	10119.	9955.6
2	ICVP 00190	1036.1	1033.2	1052.5	1038.0	1043.0	1001.4
3	ICVP 00190	1033.9	1030.9	1052.5	1037.3	1041.2	1002.3
4	ICB	.48638	-2.8006	-.27042	.94493	.92383	.13055
5	ICVP 00190	1026.1	1021.7	1040.8	1030.6	1035.8	1006.0
6	ICB	.06744	6.5646	-.05879	.72222	.94135	-.19301
7	RL ICP 00045	4.0291	517.82	4.9879	9.9482	10.506	19.604
8	ICSA61 00022	-.02640	548490.	.79280	-.43753	1.4333	-.83079
9	ICSAB61	534.67	543120.	1026.6	500.55	508.67	533.73
10	CCVP 00072	504.88	5024.3	506.97	504.13	5031.8	4909.8
11	CCB	.00268	2.3536	-.23960	-.09383	.43484	-.36169
12	PBW 182692	-.04972	31.499	-.53608	1.1251	1.1762	.78390

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
13	LCSW-1	50.409	4910.3	51.153	510.80	205.82	253.72
14	62053-21	.01715	15978.	-.52446	4.0493	15.299	3.5247
15	62053-22	1.9673	3649.6	.59441	55.801	29.044	112.07
16	62053-23	.05137	8580.0	.11469	4.0397	47.438	20.001
17	62053-24	.02558	13261.	-.38270	1.0486	41.475	33.976
18	62053-25	-.02539	39220.	-.61313	1.7622	120.88	6.9915
19	62053-26	.23201	34951.	.84241	.67158	114.08	4.9272
20	RINSE	-.04431	13.875	-.49393	.64341	1.0520	-.58819
21	CCV	525.99	5281.2	539.70	527.21	5217.4	4834.5
22	CCB	.05674	4.3815	-.10339	1.3618	1.8630	1.1443
23	PBW 182691	-.12914	1.9565	-1.1452	.03644	.81982	-.78663
24	LCSW-1	52.418	5098.4	53.958	530.91	213.15	250.00
25	LCSW-2	53.427	5182.8	55.193	539.99	216.25	252.62
26	62053-1	.17634	969.94	-.46761	10.986	8.7804	4.9797
27	62053-2	9.7139	9258.8	9.7863	357.20	773.21	496.97
28	62053-3	7.7662	8539.6	13.848	324.54	669.26	479.76
29	62053-4	.20020	7173.3	.21924	32.357	64.444	5.9327
30	62053-5	.07334	7320.5	-.01902	9.9134	6.9721	2.0490
31	62053-6	1.2199	41451.	-.07560	18.071	21.947	24.029
32	RINSE	.13419	19.400	.54454	-1.3077	-1.1286	-2.8340
33	CCV	527.39	5276.0	544.63	525.48	5218.5	4788.4
34	CCB	-.02008	-.07203	-.76417	1.0024	1.1710	-.92951
35	62053-7	1.3752	37736.	.35416	25.838	27.278	14.181
36	62053-8	.38000	18572.	.04586	12.393	20.059	3.1527
37	62053-9	.12274	31738.	.11418	26.675	5.6833	11.458
38	62053-10	.16533	34605.	-.26635	5.3665	73.972	84.618
39	62053-11	.35922	21296.	.15669	22.777	79.164	562.74
40	62053-12	.21629	14240.	-.03783	29.565	49.322	864.19
41	RINSE	-.04637	10.894	-.38806	.04831	.68991	-.82475
42	CCV	536.11	5383.9	561.55	535.24	5313.3	4769.3
43	CCB	.01588	-1.0151	-.41976	.61494	2.0396	-.05127
44	62053-13 1/10	2.4970	1770.6	-1.1066	81.551	293.01	112.97
45	CCV	519.23	5182.6	535.76	516.50	5161.3	4848.9
46	CCB	-.10014	-5.6266	-.89536	.00442	.15749	-1.1014
47	62053-13 1/10	2.5370	1737.0	-1.3601	80.634	299.43	115.24
48	62053-14 1/10	2.8535	2114.2	.05448	105.62	214.38	129.82
49	62053-15	.47405	744.03	-.10391	14.118	86.960	19.331
50	62053-16	.73650	40319.	.20601	14.479	15.566	8.3346
51	62053-17	.14330	1115.7	-.20230	3.0026	119.41	7.9036
52	62053-18	2.9906	1080.8	.00767	39.523	14.727	18.682
53	62053-19	.33839	1831.4	-.60148	11.332	9.1379	3.6196
54	62053-20	.11927	7761.8	-.57668	5.0549	9.8328	1.0986
55	RINSE	-.06477	-.66566	-.74448	.02215	.39825	-1.8773
56	CCV	522.34	5225.0	539.91	519.38	5191.2	4828.9
57	CCB	.03450	-1.4163	-.12586	-.91283	.50789	-1.5163
58	62053-7	1.3435	37050.	.41900	27.025	25.015	14.972
59	62053-9	.10326	31136.	.09704	26.237	4.8750	11.795
60	62053-10	.10418	33976.	-.38628	5.0713	71.913	85.111
61	62053-11	.35794	20910.	.57169	23.610	77.296	568.60
62	62053-12	.25800	13954.	.14014	31.601	50.620	867.47
63	62053-2 1/5	2.7461	2727.2	-1.2030	103.63	224.99	128.60
64	62053-8 1/5	.05349	7546.7	-.18372	4.3612	7.4460	-.75831
65	62053-18 1/20	.88581	319.78	-.06094	11.972	4.3930	3.5006
66	62053-18 1/50	.41579	151.38	-.15202	4.6533	1.3497	.59846

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
67	CCV	504.28	5181.3	523.87	509.28	5041.5	4653.9
68	CCB	-.07822	1.8848	-.82144	.82108	.35583	-.40971
69	PBW 182698	-.03410	48.699	-.69035	.46867	1.2587	.05373
70	LCSW-1	50.795	5113.3	53.381	521.47	206.52	235.97
71	62051-1	20.000	29631.	.01664	217.26	277.82	41.283
72	62051-1S	68.167	32236.	50.184	652.94	471.31	255.71
73	62051-1SD	71.699	31672.	52.755	687.48	492.28	274.30
74	62051-2	20.476	28804.	.22558	189.70	269.82	30.271
75	62051-3	7.8056	17976.	.02208	78.597	157.40	131.28
76	62051-4	8.7586	15297.	.29352	78.214	194.29	151.77
77	62043-1	2.8141	10196.	.84521	24.742	58.246	58.867
78	62043-1L	.50523	2026.4	-.46692	5.8384	12.015	11.763
79	CCV	497.90	5122.9	513.02	502.36	4983.4	4755.5
80	CCB	.08834	6.1633	-.15124	1.6449	3.0736	2.0213
81	62043-1A	51.286	14229.	50.439	518.75	251.27	293.19
82	62043-2	2.6089	10773.	-.25878	20.045	40.984	40.621
83	62043-3	2.6858	13393.	1.0080	25.284	41.754	49.512
84	62043-4	2.5728	8413.4	.96612	24.597	58.384	45.483
85	61920-1	1.7994	32397.	5.1287	18.788	146.35	1844.7
86	61920-2	.64349	25772.	5.3657	7.2894	156.98	379.07
87	61920-3	.89428	27974.	5.7096	9.7422	154.61	706.62
88	61920-4	1.4894	771410.	-.19571	8.5917	182.04	83.087
89	CCV	486.31	5174.7	497.12	493.67	4891.7	4775.0
90	CCB	.07491	40.482	-.31185	.26132	1.2403	.91252
91	61932-1 1/10	3.6701	147560.	.66139	21.447	88.764	78.089
92	61932-3 1/10	.07664	14044.	.36326	2.1315	31.663	12.383
93	61932-4 1/10	.02968	34768.	-.38881	7.5179	13.983	6.3705
94	61962-4	.00771	86100.	-.71999	1.7911	2.9375	4.4825
95	61962-4L	.00733	16981.	-.35435	1.3517	1.5754	1.8663
96	61962-4A	48.195	90612.	47.272	483.32	196.10	247.43
97	61962-4S	49.613	92060.	49.608	496.89	202.18	253.02
98	61962-4SD	50.136	90449.	49.537	504.36	204.46	258.66
99	CCV	481.74	4971.8	486.83	488.39	4844.4	4830.7
100	CCB	.12999	13.340	-.00023	.00024	1.2881	.83988
101	61990-1	.31876	112330.	1.3807	4.6383	17.937	64.246
102	61990-2	-.01621	67966.	-.34429	.80414	2.1348	5.4646
103	62030-3	.26298	107010.	1.1552	-.19431	4.9289	13.571
104	61924-2	.09899	408640.	1.2780	.37558	89.325	7.7694
105	61927-3	.03882	34421.	-.34939	.05816	13.468	1.3200
106	61922-1	.00637	84919.	.84481	.73854	14.321	8.2965
107	CCV	491.54	5098.5	502.15	501.72	4939.0	4749.5
108	CCB	.10866	12.224	-.35823	-.14506	1.9831	1.3607
109	PBW 182785	.01508	13.592	-.27324	-.35646	.29917	-.39345
110	LCSW-1	46.431	4726.4	47.635	477.19	188.66	224.10
111	61764-41	-.00151	47082.	-.29461	.28000	107.13	.90653
112	61764-42	.02452	18295.	-.09427	2.1354	8.5606	2.5260
113	61764-43	.03085	114870.	-.31346	3.9331	2.2522	.11128
114	61764-45	.03227	67520.	-.01213	.31113	12.842	1.0169
115	61759-1	.03384	8433.8	-.33696	-.03972	.25752	2.1675
116	61759-1S	49.668	13784.	50.816	507.91	200.23	240.19
117	61759-1SD	44.174	12340.	45.105	452.76	178.57	210.81
118	61759-2	.04857	8984.6	-.36160	.32987	.59701	1.7988
119	CCV	496.60	5198.3	512.49	507.26	4985.1	4690.5
120	CCB	.14883	10.793	-.24165	-.59708	1.0337	.77883

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
121	61759-3	.03181	8629.6	-.09870	.55582	1.2321	2.3447
122	61759-4	.02208	8484.4	-.17431	-.25682	.37332	1.9126
123	61759-5	.02289	8695.1	-.12318	.66039	.84471	2.5785
124	61761-1	-.06204	2992.6	-1.0027	2.0204	2.5141	2.9100
125	61761-2	.05256	1229.7	-.17740	.43434	2.4562	5.4748
126	61761-3	.04894	2556.4	-.55857	.51652	1.4073	2.7985
127	61761-4	-.00722	4182.5	-.30792	-.02013	.43772	1.0325
128	61890-1	-.06209	2353.5	-.62536	-.60929	.72895	4.3735
129	CCV	499.72	5224.7	517.63	510.88	5019.8	4720.8
130	CCB	.13118	10.396	-.15811	.70769	1.2934	.62678
131	61900-1	.03140	11749.	23.386	2.6674	8328.2	52.593
132	61965-1	.03428	19248.	1.4621	7.9205	18.767	7.4387
133	61991-1	.19574	18484.	-.11871	33.312	.73138	-.87244
134	61991-1L	.07264	3812.8	-.07291	7.2506	.62952	-.76875
135	61991-1A	50.227	23435.	51.736	549.60	201.44	231.81
136	30338-1	.03512	12157.	-.37832	.33614	2.2455	.50376
137	30338-9	.02977	52267.	-.10690	.59459	1.3765	4.1922
138	30370-1	.07797	7347.7	-.23448	-.34319	4.0270	.30746
139	CCV	502.70	5268.6	523.45	514.82	5045.2	4673.6
140	CCB	.18935	11.511	-.18315	-.47745	1.5366	1.0853
141	PBW 182776	.03784	26.246	-.09041	.12168	-.15442	-1.1515
142	LCSW-1	50.703	5184.0	53.461	524.32	206.66	236.15
143	61764-1	.04425	26626.	.15553	1.9840	34.759	.85802
144	61764-2	1.0955	11814.	23.378	18.220	1133.4	35.365
145	61764-3	.02973	138500.	1.1251	2.0804	10.406	.87246
146	61764-3L	.01941	26952.	.06422	.01723	2.9000	-.24202
147	61764-3A	51.116	140680.	54.169	515.51	212.78	234.32
148	61764-3S	51.357	143930.	54.214	520.50	215.55	238.19
149	61764-3SD	51.785	144080.	54.445	523.47	217.00	241.06
150	61764-4	.03207	115770.	-.27239	-.80026	2.0578	-2.0442
151	CCV	494.52	5178.2	513.47	504.77	4970.3	4632.5
152	CCB	.12256	12.865	-.01469	-.27319	.79046	.61628
153	61764-5	.08280	172790.	.63501	9.2338	5.7154	1.6942
154	61764-6	.01691	82472.	-.28855	.70960	210.88	.08730
155	61764-7	.03722	6446.8	-.19275	.88812	689.95	1.2287
156	61764-8	.02860	37341.	.33728	1.5575	98.921	2.8011
157	61764-9	.01474	27193.	.03361	.03592	78.475	1.0932
158	61764-10	.00799	121370.	1.1490	.35138	55.484	4.0191
159	61764-11	.16299	25082.	-.14859	6.9757	7.1855	1.6249
160	61764-12	-.00256	47746.	-.09185	4.3051	1.9165	1.2924
161	61764-13	.02364	90366.	.08271	-.00939	740.63	.45353
162	61764-14	.02439	23002.	-.41405	.63028	2.4547	-.07797
163	CCV	490.25	5114.9	506.54	498.26	4924.3	4670.0
164	CCB	.14337	10.555	.29290	-.01289	1.3271	.72845
165	61764-15	.04321	142550.	-.44969	3.6534	2.6472	.00941
166	61764-16	.02362	36771.	-.20341	-.25299	1.3498	.68789
167	61764-17	.01870	4267.5	-.22318	1.1718	740.59	1.6305
168	61764-18	-.00660	6650.8	-.14586	.53623	2.8585	1.3614
169	61764-19	.03885	44056.	.47854	.27211	67.613	9.0586
170	61764-20	.00305	23272.	-.54030	1.8561	4.4259	2.9181
171	CCV	494.67	5156.9	510.54	504.33	4965.6	4690.4
172	CCB	.18729	10.530	-.19586	-.39465	2.4022	1.1286
173	PBW 182779	.01772	15.240	-.24041	-.41895	.61892	-.42978
174	LCSW-1	47.865	4934.6	49.933	493.84	194.41	224.67

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
175	61764-21	-.04349	3350.6	-.14147	2.7206	39.541	59.222
176	61764-21L	.00171	655.39	-.25011	.61190	8.3333	11.368
177	61764-21A	49.789	7685.3	50.783	513.05	235.79	297.97
178	61764-21S	49.468	8002.1	50.408	508.74	232.31	292.69
179	61764-21SD	51.367	8380.8	52.240	529.13	243.51	309.96
180	61764-22	.01228	14023.	-.06395	4.0923	9.2588	.26027
181	61764-23	.02697	90321.	-.19472	6.9604	4.3292	.80731
182	61764-24	.02539	79181.	-.44343	7.3127	6.1406	.01487
183	CCV	487.92	5035.7	498.04	492.16	4866.4	4660.8
184	CCB	.14397	12.120	-.37301	.19197	1.8795	.99507
185	61764-25	-.00612	21814.	-.19921	3.7293	6.9741	.96245
186	61764-26	.01175	8355.6	-.26999	.98539	2.0825	-.75367
187	61764-27	.00643	20775.	-.35336	.03994	.95125	-.40918
188	61764-28	.02183	11875.	-.25249	1.0160	54.092	25.735
189	61764-29	.01061	7596.7	-.30187	.99802	2.0151	.90911
190	61764-30	.01627	32142.	-.32605	1.5367	191.45	2.6927
191	61764-31	.00079	3760.9	-.32179	1.0687	1.0837	2.6446
192	61764-32	-.00236	14266.	-.27280	-.28417	3.6594	-.24220
193	61764-33	.03425	98277.	-.17889	3.2043	.80861	2.1058
194	61764-34	.01318	7103.9	-.17022	1.1526	3.0336	.40220
195	CCV	486.34	4988.0	489.78	491.29	4861.2	4762.7
196	CCB	.13026	8.7597	-.28997	.38841	2.1220	1.5395
197	61764-35	.02435	75340.	.16336	.22477	448.45	.65666
198	61764-36	.03611	5461.6	-.19902	.76117	260.04	4.5681
199	61764-37	.00862	86292.	-.35817	4.1571	12.640	1.1400
200	61764-38	-.05051	1934.6	-.30790	.96471	7.2713	.00463
201	61764-39	.05275	87091.	-.21394	8.5314	4.6542	.25140
202	61764-40	.03720	31110.	-.50998	.86669	3.7778	.57236
203	CCV	487.71	5018.3	495.95	489.80	4863.7	4700.1
204	CCB	.19538	9.8299	-.30526	-.21697	2.0606	1.2152
205	PBW 182801	.02031	16.244	-.25704	-.23919	.75893	-.67558
206	LCSW-1	49.481	5022.6	50.856	506.83	200.49	235.32
207	LCSW-2	49.807	5004.5	50.943	509.36	201.96	237.34
208	62091-1	.49346	863.51	-.16382	19.920	42.049	18.011
209	62091-2 1/10	.11683	483.17	-.13689	5.0609	34.561	9.3539
210	62091-3 1/10	-.01016	789.34	-.32651	.45509	15.190	.19552
211	62091-4	.18967	188.81	-.19643	-.02565	12.471	.13893
212	62091-5	.51930	6622.1	.04350	19.162	4.2853	5.0446
213	62091-6 1/10	.10926	2489.9	-.15125	2.3227	20.062	.18466
214	62091-7	.35302	20300.	-.34761	1.5501	111.35	3.6109
215	CCV	487.70	5024.5	495.89	491.92	4862.9	4650.2
216	CCB	.06463	8.1549	-.19532	.92077	1.3080	-.06797
217	62091-8	.29629	1209.9	-.22198	-.01189	22.367	.64040
218	62091-9	.50993	28494.	1.0886	34.614	14.142	48.967
219	62091-10 1/10	.25874	5440.4	.03798	6.5134	33.560	26.210
220	62091-11 1/10	.01803	373.75	-.71954	-.38529	20.448	.49507
221	62091-12	.11318	349.95	-.40629	.09010	15.192	1.0143
222	62091-13 1/10	.02131	326.76	-.36113	.44773	22.267	-.24835
223	62091-14 1/10	.04038	2347.1	-.41613	.64343	15.599	.85531
224	CCV	482.10	4985.4	492.18	487.79	4818.6	4610.9
225	CCB	-.00698	6.6966	-.29392	.09149	.88509	.30849
226	62091-2	1.2625	4622.2	.97600	50.539	327.51	106.80
227	62091-3	.14679	7643.2	-.15367	1.9548	138.04	3.3896
228	62091-6	1.1809	23185.	.23457	15.884	184.52	8.6156

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
229	62091-10	1.8950	41567.	1.5735	50.694	250.65	219.16
230	62091-13	.16220	3178.6	-.67930	1.6278	208.42	2.5445
231	62091-14	.31535	21825.	-.43225	3.0442	133.64	8.2018
232	CCV	475.67	4899.3	480.36	479.61	4762.0	4687.6
233	CCB	.02723	6.3439	-.40566	.89218	1.4061	.30177
234	CCV	469.00	4831.8	470.37	473.72	4702.8	4688.3
235	CCB	.05399	17.626	.03417	.04257	.56420	-.16044
236	62030-3	.04742	100040.	.09320	2.1365	6.7375	16.242
237	62091-2 1/100	.11182	61.924	.22036	-.75315	3.2287	.33476
238	62091-3 1/100	.00184	86.681	-.21377	.09055	2.4803	-.65225
239	62091-6 1/100	.03758	258.05	-.13970	1.0859	2.5210	.21441
240	62091-7 1/100	.03336	222.48	-.26299	.73820	2.0596	.22868
241	62091-8 1/100	-.00148	131.31	-.23802	-.16706	.46983	.28675
242	62091-10 1/100	.02967	533.73	-.28975	.94544	3.7512	2.4720
243	62091-13 1/100	-.00304	33.500	-.62529	.52447	2.7097	-.26728
244	62091-14 1/100	-.00195	222.39	-.42719	-1.2959	1.2989	-1.4088
245	62091-11 1/100	-.02060	38.416	-.22935	-.51542	1.9908	-1.1941
246	CCV	492.92	5065.2	500.24	492.99	4914.3	4709.1
247	CCB	-.00526	8.6805	-.30981	.32252	.60075	-.48726
248	RL ICP	3.9340	519.33	4.7815	10.408	10.680	19.689
249	RL ICP	3.9219	519.82	4.9833	9.9481	10.512	19.455
250	ICSA61	.08711	531760.	.81463	.71260	1.9854	1.3008
251	ICSAB61	520.19	544500.	1004.3	486.39	493.91	515.80
252	CCV	489.36	5002.8	497.18	489.76	4868.4	4669.4
253	CCB	.01218	7.6610	-.11456	-.04424	.25678	-.80042

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
1	HIGH STD 00034	10171.	10.170	20014.	10175.	10.175	10096.
2	ICVP 00190	1007.1	1.0074	19458.	1062.8	1.0628	1037.0
3	ICVP 00190	1006.9	1.0072	19502.	1061.3	1.0613	1034.6
4	ICB	L-52.795	-.05278	-89.604	7.9144	.00792	.68190
5	ICVP 00190	982.89	.98319	19501.	1045.3	1.0453	1028.3
6	ICB	7.1102	.00710	3.3217	12.536	.01253	.33743
7	RL ICP 00045	30.996	.03099	949.08	530.14	.52999	10.277
8	ICSA61 00022	202340.	202.31	-88.181	545490.	545.27	-1.2092
9	ICSAB61	200820.	200.78	2.0498	540070.	539.86	508.83
10	CCVP 00072	4952.8	4.9528	9726.2	5048.6	5.0486	5023.3
11	CCB	-14.424	-.01442	-28.062	4.8063	.00480	.61686
12	PBW 182692	7.8202	.00781	-20.027	12.677	.01267	.28830
13	LCSW-1	1016.6	1.0167	4945.8	4890.9	4.8896	511.87
14	62053-21	1049.6	1.0495	H41200.	191.86	.19168	143.64
15	62053-22	64611.	64.603	8382.2	3534.0	3.5229	2678.1
16	62053-23	3990.2	3.9897	14398.	412.13	.41140	206.45
17	62053-24	3044.5	3.0441	21180.	456.77	.45618	161.10
18	62053-25	1422.5	1.4223	H55209.	2426.5	2.4256	77.712
19	62053-26	1791.2	1.7910	H51246.	1527.0	1.5263	88.530
20	RINSE	-31.417	-.03141	-29.886	4.9376	.00494	.23790
21	CCV	5204.7	5.2047	9485.5	5402.2	5.4022	5168.4
22	CCB	2.9532	.00295	-11.922	13.518	.01351	.77303
23	PBW 182691	-30.728	-.03072	-91.316	9.3799	.00938	.28306
24	LCSW-1	1062.5	1.0626	4789.6	5153.7	5.1523	522.67
25	LCSW-2	1060.1	1.0602	4857.8	5233.2	5.2317	533.69

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
26	62053-1	12205.	12.203	1886.9	934.35	.93205	252.88
27	62053-2	H1171e3	1170.6	H42911.	17656.	17.448	5071.3
28	62053-3	H1060e3	1059.3	H35862.	11100.	10.913	4771.3
29	62053-4	3443.0	3.4426	31170.	4570.4	4.5685	18.364
30	62053-5	2402.3	2.4020	5266.5	3012.8	3.0120	1051.5
31	62053-6	20291.	20.288	18534.	14452.	14.445	1433.4
32	RINSE	69.589	.06958	99.950	-2.1269	-.00213	.40748
33	CCV	5194.8	5.1948	9403.4	5391.0	5.3909	5141.7
34	CCB	-35.383	-.03537	-43.667	7.7636	.00776	.54186
35	62053-7	21874.	21.871	28027.	11402.	11.397	2536.0
36	62053-8	2765.9	2.7656	29731.	5326.4	5.3246	310.66
37	62053-9	5226.6	5.2259	1976.1	5281.3	5.2808	4176.0
38	62053-10	8165.5	8.1645	16101.	10412.	10.408	356.69
39	62053-11	14267.	14.265	25142.	8050.2	8.0458	851.32
40	62053-12	4756.7	4.7561	H36537.	4615.6	4.6135	206.87
41	RINSE	-16.797	-.01679	-28.883	9.2261	.00922	.36167
42	CCV	5297.6	5.2976	9589.6	5516.1	5.5160	5207.0
43	CCB	-30.158	-.03015	-47.755	10.589	.01059	.75823
44	62053-13 1/10	375930.	375.88	5634.1	4331.6	4.2651	1874.1
45	CCV	5127.8	5.1278	9919.2	5206.3	5.2063	5094.8
46	CCB	L-58.163	-.05815	-101.31	.15385	.00016	.59120
47	62053-13 1/10	373550.	373.47	7719.7	4990.7	4.9245	1879.1
48	62053-14 1/10	311850.	311.80	9089.5	5310.5	5.2549	1467.0
49	62053-15	40423.	40.415	10783.	1224.7	1.2174	205.97
50	62053-16	11972.	11.970	14875.	12477.	12.472	1225.1
51	62053-17	11591.	11.589	26222.	414.25	.41212	62.003
52	62053-18	42464.	42.455	5128.6	3325.6	3.3184	2592.5
53	62053-19	7217.5	7.2166	6799.8	768.93	.76781	821.04
54	62053-20	3253.0	3.2526	13990.	786.67	.78605	387.31
55	RINSE	-30.477	-.03047	-61.619	4.8920	.00489	.51812
56	CCV	5169.7	5.1697	9971.1	5259.8	5.2597	5118.1
57	CCB	-10.024	-.01002	-18.343	.38454	.00038	.60626
58	62053-7	21292.	21.289	27232.	10764.	10.758	2502.2
59	62053-9	5070.7	5.0701	1780.9	5019.4	5.0190	4121.8
60	62053-10	7928.1	7.9271	15636.	9944.3	9.9402	350.38
61	62053-11	13872.	13.871	24660.	7621.2	7.6170	838.94
62	62053-12	4655.1	4.6546	H36005.	4490.3	4.4883	202.48
63	62053-2 1/5	340690.	340.63	9600.4	5358.7	5.2979	1450.0
64	62053-8 1/5	1057.3	1.0571	7476.4	2362.5	2.3617	116.45
65	62053-18 1/20	12663.	12.661	1345.1	989.07	.98692	775.76
66	62053-18 1/50	5932.6	5.9318	643.41	460.60	.45958	363.86
67	CCV	5014.8	5.0148	9234.3	5314.0	5.3139	5011.0
68	CCB	-36.055	-.03605	-80.907	6.3631	.00636	.34543
69	PBW 182698	4.2742	.00427	-34.335	12.187	.01218	.80376
70	LCSW-1	1017.9	1.0180	4557.3	5244.4	5.2430	511.16
71	62051-1	290620.	290.56	H47443.	66009.	65.939	8321.4
72	62051-1S	268410.	268.36	H51162.	68330.	68.268	13586.
73	62051-1SD	286420.	286.38	H51556.	70255.	70.191	13292.
74	62051-2	272810.	272.75	H43837.	63301.	63.237	12225.
75	62051-3	164350.	164.32	5922.6	19979.	19.946	3792.6
76	62051-4	179340.	179.31	7945.7	24536.	24.499	4800.9
77	62043-1	73602.	73.591	2758.1	12572.	12.556	1475.5
78	62043-1L	14626.	14.624	493.28	2490.1	2.4870	295.33
79	CCV	4974.1	4.9741	9278.4	5213.2	5.2132	5003.3

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
80	CCB	-20.211	-.02020	-44.460	16.593	.01659	1.6330
81	62043-1A	71892.	71.878	6860.6	16505.	16.489	1918.2
82	62043-2	60867.	60.859	2485.6	12551.	12.537	1100.6
83	62043-3	71912.	71.900	2408.8	18224.	18.207	1156.7
84	62043-4	74260.	74.249	2408.2	16786.	16.769	1360.5
85	61920-1	75324.	75.314	1479.8	3065.7	3.0534	3908.5
86	61920-2	29968.	29.965	2865.6	3955.4	3.9537	10106.
87	61920-3	40267.	40.261	2540.4	3775.7	3.7715	8481.0
88	61920-4	37308.	37.303	1477.5	15325.	15.315	2404.4
89	CCV	4863.3	4.8633	9419.1	5100.5	5.1005	4947.8
90	CCB	-20.581	-.02057	-49.999	3.2962	.00329	1.4309
91	61932-1 1/10	54422.	54.415	2754.1	28203.	28.186	272.97
92	61932-3 1/10	2786.8	2.7864	192.44	2469.3	2.4681	19.925
93	61932-4 1/10	1037.5	1.0373	48.839	29015.	29.006	38.107
94	61962-4	1165.2	1.1650	9623.1	24838.	24.831	406.00
95	61962-4L	223.76	.22372	1786.0	4989.5	4.9881	80.814
96	61962-4A	2127.2	2.1271	13931.	29451.	29.443	894.06
97	61962-4S	2254.4	2.2543	14827.	30382.	30.374	908.60
98	61962-4SD	2177.8	2.1777	14515.	29833.	29.823	910.35
99	CCV	4810.7	4.8107	9581.9	5009.1	5.0091	4913.8
100	CCB	2.0322	.00203	-8.6771	4.8558	.00485	1.1617
101	61990-1	11196.	11.194	10150.	41571.	41.556	477.31
102	61990-2	646.48	.64640	10110.	20102.	20.096	53.211
103	62030-3	2200.5	2.2002	28683.	27222.	27.214	333.55
104	61924-2	1412.9	1.4127	4385.7	7029.0	7.0268	32.929
105	61927-3	29.026	.02902	878.94	19561.	19.555	13.524
106	61922-1	378.55	.37850	4998.6	16618.	16.613	24.776
107	CCV	4842.0	4.8420	9203.0	5229.0	5.2289	4974.2
108	CCB	-20.021	-.02001	-35.355	6.3741	.00637	1.4266
109	PBW 182785	70.796	.07078	-23.475	3.4342	.00342	.63549
110	LCSW-1	912.97	.91304	4353.3	4860.9	4.8596	474.06
111	61764-41	-4.2179	-.00421	6286.7	20231.	20.226	.65178
112	61764-42	385.24	.38520	H414170.	8417.7	8.4153	4.5444
113	61764-43	239.66	.23963	H178080.	24927.	24.920	20.016
114	61764-45	158.33	.15830	5580.0	8454.7	8.4523	6.0089
115	61759-1	844.17	.84405	2495.3	2976.6	2.9757	217.73
116	61759-1S	2017.0	2.0170	7204.3	8257.6	8.2552	730.38
117	61759-1SD	1800.3	1.8002	6396.2	7445.9	7.4438	648.13
118	61759-2	849.59	.84948	2600.6	3187.9	3.1869	230.90
119	CCV	5005.2	5.0052	9204.8	5374.3	5.3742	5010.1
120	CCB	-4.2310	-.00423	-17.570	2.0102	.00201	1.3285
121	61759-3	887.29	.88717	2496.7	3078.6	3.0777	221.06
122	61759-4	885.26	.88514	2417.8	3027.3	3.0264	220.52
123	61759-5	852.93	.85282	2472.6	3104.0	3.1031	223.44
124	61761-1	1375.8	1.3756	2528.6	1530.9	1.5303	163.37
125	61761-2	950.29	.95017	390.02	215.56	.21534	31.722
126	61761-3	614.71	.61463	788.51	733.97	.73370	107.38
127	61761-4	381.84	.38179	1280.9	1758.8	1.7583	132.19
128	61890-1	68.902	.06889	18026.	1051.7	1.0514	3.1730
129	CCV	5028.3	5.0283	9339.4	5395.8	5.3956	5036.6
130	CCB	-16.763	-.01676	-25.627	2.0326	.00203	1.3100
131	61900-1	24294.	24.289	6037.7	2083.3	2.0785	243.17
132	61965-1	5167.8	5.1672	H56088.	3384.2	3.3824	152.36
133	61991-1	14080.	14.077	2416.4	5578.4	5.5747	815.29

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
134	61991-1L	2901.2	2.9008	466.57	1164.3	1.1636	168.18
135	61991-1A	15323.	15.321	6690.5	10516.	10.511	1334.9
136	30338-1	68.841	.06883	844.73	779.39	.77916	23.258
137	30338-9	63.887	.06387	3664.1	2677.8	2.6771	45.229
138	30370-1	678.97	.67888	705.38	1454.3	1.4537	14.154
139	CCV	5051.3	5.0513	9220.8	5476.8	5.4766	5045.3
140	CCB	-9.4665	-.00946	-27.004	6.3815	.00638	1.9123
141	PBW 182776	-11.293	-.01129	-10.023	4.9459	.00494	.14479
142	LCSW-1	1018.6	1.0187	4611.1	5396.0	5.3946	513.05
143	61764-1	2904.5	2.9041	2332.4	5931.9	5.9298	177.27
144	61764-2	35252.	35.247	10232.	8190.2	8.1822	1019.2
145	61764-3	3146.3	3.1459	4405.7	27759.	27.750	157.11
146	61764-3L	596.95	.59687	795.76	5551.1	5.5494	31.245
147	61764-3A	4137.2	4.1369	8898.5	32156.	32.146	665.07
148	61764-3S	4172.5	4.1722	9637.3	33052.	33.042	672.48
149	61764-3SD	4205.6	4.2053	9634.4	33051.	33.041	676.26
150	61764-4	2835.6	2.8352	10272.	21603.	21.597	930.59
151	CCV	4961.7	4.9617	9251.3	5345.2	5.3451	4965.4
152	CCB	-14.518	-.01451	-27.228	3.5067	.00350	1.3479
153	61764-5	29841.	29.835	2535.6	11909.	11.901	1277.1
154	61764-6	198.96	.19893	2934.4	38865.	38.854	88.139
155	61764-7	238.38	.23835	1049.7	2723.6	2.7228	27.494
156	61764-8	198.29	.19827	6133.4	35816.	35.805	53.782
157	61764-9	66.850	.06684	1394.9	4814.9	4.8136	.34985
158	61764-10	83.436	.08342	5574.3	20419.	20.413	.64584
159	61764-11	1695.3	1.6950	2931.3	12160.	12.156	63.590
160	61764-12	-13.848	-.01384	6307.7	18214.	18.208	.22690
161	61764-13	46.873	.04686	5684.8	11477.	11.474	.82311
162	61764-14	181.67	.18164	9528.4	13851.	13.847	71.564
163	CCV	4921.6	4.9216	9450.1	5249.5	5.2494	4930.9
164	CCB	-2.3368	-.00233	-13.372	7.8408	.00783	1.4549
165	61764-15	2789.1	2.7888	34208.	36377.	36.363	236.01
166	61764-16	3292.8	3.2924	H82880.	17212.	17.206	59.436
167	61764-17	186.76	.18675	18618.	4691.0	4.6896	1.8372
168	61764-18	1187.1	1.1870	H292710.	4395.6	4.3941	9.3840
169	61764-19	159.36	.15933	6642.4	10558.	10.555	15.679
170	61764-20	5369.0	5.3683	H215340.	11217.	11.213	513.19
171	CCV	4969.4	4.9694	9511.1	5306.6	5.3065	4970.4
172	CCB	-20.574	-.02057	-7.9420	7.8420	.00784	2.0399
173	PBW 182779	-12.133	-.01213	-30.377	6.3653	.00636	.07804
174	LCSW-1	956.86	.95693	4534.4	5098.2	5.0969	484.93
175	61764-21	540.74	.54074	14657.	1567.0	1.5665	8.6678
176	61764-21L	92.927	.09293	2376.5	310.34	.31023	1.7710
177	61764-21A	1518.6	1.5187	18646.	6055.6	6.0538	509.07
178	61764-21S	1511.5	1.5116	18690.	6404.0	6.4022	504.43
179	61764-21SD	1575.6	1.5757	20074.	6655.3	6.6533	525.55
180	61764-22	198.65	.19865	3521.8	7600.9	7.5987	3.9590
181	61764-23	173.22	.17321	3634.3	31591.	31.580	95.204
182	61764-24	1599.3	1.5991	11919.	30459.	30.451	879.51
183	CCV	4887.0	4.8870	8869.0	5113.6	5.1135	4888.9
184	CCB	-19.594	-.01959	-27.526	6.3859	.00638	1.5582
185	61764-25	246.98	.24696	3599.4	13907.	13.903	25.902
186	61764-26	178.93	.17890	3521.8	15372.	15.368	75.372
187	61764-27	190.19	.19016	5100.3	4503.2	4.5021	531.38

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
188	61764-28	3432.2	3.4317	2246.0	4373.9	4.3721	141.74
189	61764-29	301.80	.30175	4176.3	9600.0	9.5973	160.97
190	61764-30	64.387	.06438	4259.6	15508.	15.503	118.50
191	61764-31	23.948	.02394	18169.	10088.	10.085	2.1277
192	61764-32	25.322	.02531	18624.	1836.6	1.8361	1.0382
193	61764-33	16057.	16.054	H155090.	28747.	28.736	504.78
194	61764-34	293.53	.29349	3200.1	7000.1	6.9982	405.76
195	CCV	4838.4	4.8384	9127.7	5018.7	5.0186	4895.2
196	CCB	-27.496	-.02749	-39.731	7.8396	.00784	1.8159
197	61764-35	47.678	.04766	4394.0	10170.	10.167	21.928
198	61764-36	95.374	.09536	7570.0	7768.2	7.7660	24.311
199	61764-37	51.414	.05140	4199.8	30528.	30.520	441.81
200	61764-38	73.668	.07371	H299360.	1852.5	1.8520	.86299
201	61764-39	813.91	.81380	17571.	25525.	25.520	4184.6
202	61764-40	36.478	.03647	H49982.	49593.	49.578	.22752
203	CCV	4932.2	4.9322	9140.7	5063.2	5.0631	4892.0
204	CCB	-12.423	-.01242	-28.602	10.607	.01060	2.1003
205	PBW 182801	11.042	.01103	-22.805	4.9715	.00496	.13621
206	LCSW-1	995.02	.99510	4349.0	5096.7	5.0954	500.06
207	LCSW-2	1004.3	1.0044	4347.3	5090.7	5.0894	504.25
208	62091-1	57417.	57.405	2280.9	1442.6	1.4323	436.97
209	62091-2 1/10	12372.	12.370	1791.2	926.61	.96395	H86839.
210	62091-3 1/10	163.70	.16368	4176.0	1183.5	1.2040	H45531.
211	62091-4	-24.422	-.02441	H75650.	686.74	.69078	9249.0
212	62091-5	9075.6	9.0740	3153.2	2322.2	2.3212	2751.5
213	62091-6 1/10	966.38	.96625	3385.4	1126.0	1.1509	H55366.
214	62091-7	325.99	.32596	H64558.	11064.	11.175	H249300.
215	CCV	4874.8	4.8748	8900.7	5095.8	5.0957	4979.7
216	CCB	-5.3040	-.00530	-18.267	6.3990	.00640	4.1320
217	62091-8	-13.949	-.01394	H74750.	1525.9	1.5518	H57583.
218	62091-9	18442.	18.440	3050.1	5459.9	5.4615	13907.
219	62091-10 1/10	6060.9	6.0602	4377.3	1533.3	1.5659	H74503.
220	62091-11 1/10	95.728	.09571	7516.8	410.21	.43772	H60348.
221	62091-12	-37.792	-.03778	H135490.	449.88	.46139	25391.
222	62091-13 1/10	597.02	.59694	1379.1	680.87	.71043	H65173.
223	62091-14 1/10	41.192	.04118	11352.	653.45	.67424	H45806.
224	CCV	4856.2	4.8562	8901.0	5056.1	5.0560	4938.2
225	CCB	-34.650	-.03464	-39.136	7.8283	.00783	4.9164
226	62091-2	119570.	119.55	25048.	4556.1	4.6723	H302290.
227	62091-3	1787.9	1.7877	H60388.	9940.9	10.069	H286410.
228	62091-6	9214.9	9.2132	H43085.	8508.2	8.6336	H282480.
229	62091-10	46735.	46.727	H46987.	8798.4	8.8986	H242080.
230	62091-13	6274.8	6.2741	19654.	4027.1	4.1700	H316810.
231	62091-14	572.07	.57201	H137510.	4586.1	4.7102	H273770.
232	CCV	4724.0	4.7240	9067.1	4923.7	4.9238	5014.2
233	CCB	-24.762	-.02475	-45.457	12.301	.01230	12.222
234	CCV	4698.9	4.6989	9164.9	4830.3	4.8303	4868.9
235	CCB	-6.2031	-.00620	-19.833	7.9623	.00796	16.132
236	62030-3	1989.0	1.9888	27893.	24918.	24.911	390.07
237	62091-2 1/100	1270.7	1.2705	213.86	94.270	.09837	9500.0
238	62091-3 1/100	-8.1427	-.00814	313.28	124.69	.12681	4703.3
239	62091-6 1/100	89.485	.08947	277.84	126.45	.12908	5859.5
240	62091-7 1/100	4.0029	.00400	401.17	138.77	.14053	3929.2
241	62091-8 1/100	-20.147	-.02014	389.45	22.395	.02267	624.36

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
242	62091-10 1/100	573.84	.57376	350.02	157.46	.16081	7635.5
243	62091-13 1/100	22.523	.02252	57.912	70.789	.07367	6358.2
244	62091-14 1/100	-20.697	-.02069	825.69	61.823	.06383	4427.4
245	62091-11 1/100	-19.184	-.01918	520.66	44.344	.04697	5761.5
246	CCV	4926.2	4.9262	9160.6	5088.9	5.0889	4980.2
247	CCB	-25.827	-.02582	-34.198	.55432	.00055	2.3475
248	RL ICP	24.462	.02446	896.96	530.06	.52990	11.688
249	RL ICP	29.417	.02941	906.43	524.99	.52484	11.387
250	ICSA61	192590.	192.55	-25.315	524900.	524.67	17.197
251	ICSAB61	197670.	197.64	-38.601	538020.	537.83	505.46
252	CCV	4857.6	4.8576	9156.8	5051.3	5.0513	4914.5
253	CCB	-9.4748	-.00947	-20.480	4.9453	.00494	1.9965

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
1	HIGH STD 00034	1016.3	15357.	5059.5	1010.3	10081.	1017.5
2	ICVP 00190	1043.9	9628.4	1042.8	1042.4	1038.4	978.93
3	ICVP 00190	1044.0	9878.1	1040.9	1042.4	1032.6	976.63
4	ICB	-2.3753	-675.87	-.84888	1.5832	-9.5888	-11.861
5	ICVP 00190	1037.2	9494.5	1030.9	1022.9	1020.2	973.01
6	ICB	-.20415	95.332	.80444	.40974	-.03294	6.6419
7	RL ICP 00045	8.9791	754.11	41.404	11.917	20.850	10.854
8	ICSA61 00022	-1.5444	-813.94	-2.2618	-.61649	-6.6451	-13.525
9	ICSAB61	1027.6	173.28	997.68	51.187	57.094	612.30
10	CCVP 00072	500.38	6758.5	2519.7	512.83	5070.2	491.99
11	CCB	-2.6655	-116.21	.81241	2.7912	-3.4606	-2.9530
12	PBW 182692	-3.5089	24.574	.09507	2.3218	-3.8728	-5.2969
13	LCSW-1	498.81	4955.7	506.90	506.45	2051.6	485.48
14	62053-21	-.89695	H16e6	4.2299	2.3190	11.212	-5.0838
15	62053-22	7.9897	H118500.	194.16	47.611	-5.6250	-6.9347
16	62053-23	29.035	H2820e3	14.502	3.5768	-4.2205	-1.9518
17	62053-24	13.639	H6564e3	12.014	8.9069	8.2116	2.4469
18	62053-25	31.701	H17e6	2.9421	3.6860	11.753	-12.875
19	62053-26	32.071	H16e6	9.1523	1.0034	35.312	17.812
20	RINSE	-3.9922	6749.8	.46764	1.1924	-3.8564	-6.7385
21	CCV	519.78	8955.7	2637.2	540.36	5199.9	495.21
22	CCB	.14009	701.42	.69939	2.3116	-2.3255	-2.6606
23	PBW 182691	-4.3406	-179.56	-2.0524	2.4202	L-14.285	-11.943
24	LCSW-1	513.77	5022.4	527.20	525.35	2071.0	490.08
25	LCSW-2	522.67	5030.4	536.91	539.21	2141.5	502.86
26	62053-1	.21246	6226.6	51.232	7.3097	-.99645	.10970
27	62053-2	70.244	H2483e3	2028.9	527.11	19.965	4.6651
28	62053-3	64.864	H5694e3	1808.9	501.95	17.799	-4.6797
29	62053-4	25.580	H21e6	16.346	2.4857	20.188	6.2336
30	62053-5	-.73451	H1793e3	32.735	1.1207	-2.7951	-5.7869
31	62053-6	-.31996	H3278e3	104.04	13.602	-.69285	-2.5726
32	RINSE	.80348	2502.5	3.6307	.89459	19.575	16.086
33	CCV	526.27	7972.9	2638.4	539.30	5226.5	488.63
34	CCB	-4.4188	370.36	-.09241	2.5515	-1.0260	-5.4767
35	62053-7	2.7308	H8192e3	153.02	14.596	5.2885	-8.8331
36	62053-8	2.8092	H13e6	20.936	4.8613	10.922	-6.6460
37	62053-9	-2.3629	14005.	67.023	6.7426	-1.6754	-2.1283
38	62053-10	11.075	H4174e3	29.397	9.4773	.33760	4.3917

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
39	62053-11	9.8170	H9509e3	50.652	52.792	5.2829	12.455
40	62053-12	5.8657	H18e6	25.113	12.298	17.804	-.07071
41	RINSE	-4.4846	12942.	.51258	1.8801	-1.9651	-7.7257
42	CCV	532.10	9240.0	2683.0	552.37	5335.4	491.55
43	CCB	-3.7804	528.71	-.19429	4.2163	-1.8903	-5.4511
44	62053-13 1/10	5.5628	35625.	335.45	182.31	10.581	8.9877
45	CCV	518.67	7956.7	2583.2	526.40	5228.7	494.69
46	CCB	-5.0179	-371.24	-1.6976	2.8892	-5.7175	-12.561
47	62053-13 1/10	3.5349	35308.	340.18	178.66	-1.0397	-5.4326
48	62053-14 1/10	14.743	H254510.	579.01	141.83	10.020	11.459
49	62053-15	29.262	H5899e3	81.747	20.450	16.893	2.9035
50	62053-16	.73270	H3504e3	69.578	8.1718	-.26865	-7.1614
51	62053-17	21.812	H14e6	24.503	7.3544	28.350	-6.2624
52	62053-18	-.88775	19995.	188.38	21.628	-.13076	-6.9794
53	62053-19	2.3097	H2168e3	37.531	8.6739	3.0734	-5.0454
54	62053-20	-1.0539	H5634e3	15.706	3.6258	-.29518	-7.5452
55	RINSE	-4.2220	1612.9	-.51690	.39274	-8.3537	-8.5517
56	CCV	521.47	8211.4	2593.3	534.36	5268.0	489.63
57	CCB	-.35374	359.91	.69649	1.2732	-.85566	-3.2838
58	62053-7	2.7231	H8217e3	149.51	14.069	4.3921	-2.8695
59	62053-9	-2.5817	10145.	65.489	7.0668	-1.6917	-2.6100
60	62053-10	12.081	H4260e3	28.069	10.950	2.4379	-.03704
61	62053-11	12.644	H9669e3	49.695	49.562	6.5135	18.344
62	62053-12	8.2976	H18e6	24.778	12.033	13.826	8.0522
63	62053-2 1/5	16.565	H740190.	593.84	157.24	1.6328	-6.5836
64	62053-8 1/5	-2.0495	H5366e3	7.5234	3.4959	1.4797	-9.0851
65	62053-18 1/20	-2.0675	6365.8	56.818	7.1620	2.0449	-.83805
66	62053-18 1/50	-2.0708	3336.7	27.135	4.7845	1.2939	.77965
67	CCV	506.36	7248.4	2566.1	530.09	5025.5	482.33
68	CCB	-4.4264	209.69	-1.6495	1.7442	-6.0672	-11.174
69	PBW 182698	-3.0471	-35.662	-.52513	1.6804	-4.7587	-9.5562
70	LCSW-1	504.96	4977.1	520.80	532.59	2048.1	464.51
71	62051-1	-.88995	1398.7	265.68	296.25	6.5803	5.2716
72	62051-1S	448.93	5458.2	790.74	774.99	1885.9	322.91
73	62051-1SD	471.54	5789.5	827.13	812.33	1985.1	348.91
74	62051-2	-.49987	851.81	305.05	294.35	6.4245	3.3825
75	62051-3	30.799	950.50	101.30	189.56	1.1167	-3.9577
76	62051-4	36.411	792.81	116.81	177.34	.40844	-5.4864
77	62043-1	3.9151	345.02	43.268	139.11	-2.0774	-.33376
78	62043-1L	-2.0011	-184.40	7.9262	30.053	-5.9087	-11.814
79	CCV	500.07	7301.8	2540.1	517.17	4989.0	485.47
80	CCB	-1.5380	-174.66	.01611	2.8095	-4.1361	-5.7711
81	62043-1A	435.58	4413.3	535.28	629.10	1953.2	449.32
82	62043-2	1.1217	-63.027	30.950	44.639	-2.3326	-7.7229
83	62043-3	-.02329	496.41	37.356	55.927	.15964	-4.0024
84	62043-4	-.69622	151.09	40.931	2834.5	3.1877	-5.4167
85	61920-1	32.403	1030.7	45.223	258.94	20.504	21.698
86	61920-2	41.212	2373.9	29.965	36.351	13.135	.33785
87	61920-3	38.559	1943.0	34.389	88.175	12.093	1.5175
88	61920-4	.90660	139.26	19.980	15.130	4.0503	-3.0927
89	CCV	491.68	7162.0	2493.1	509.14	4914.0	475.12
90	CCB	-2.6233	-311.76	.68923	1.0968	1.0146	-5.5092
91	61932-1 1/10	8.7525	7485.9	66.293	404.14	.24022	-.56505
92	61932-3 1/10	-.92760	2888.0	8.0967	3037.0	-1.8692	-6.0792

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
93	61932-4 1/10	-2.7886	1078.2	.32593	557.03	-6.3736	-8.4704
94	61962-4	54.531	61367.	4.7333	5.3847	-8.7316	-11.998
95	61962-4L	8.2897	11499.	2.0525	3.5126	-2.7462	-8.7350
96	61962-4A	494.83	64978.	484.64	483.30	1933.8	472.02
97	61962-4S	552.83	66552.	502.55	493.33	1987.2	497.22
98	61962-4SD	546.29	64890.	504.94	506.65	2024.5	488.22
99	CCV	486.64	7350.1	2464.7	501.31	4886.7	484.95
100	CCB	-.76016	-132.79	1.0926	1.7369	6.2340	2.2506
101	61990-1	40.562	64795.	26.401	77.133	-3.4007	-3.5442
102	61990-2	17.513	53201.	7.7673	6.5231	-3.6532	-7.9818
103	62030-3	26.722	H95429.	24.050	14.580	19.346	21.176
104	61924-2	6.5293	35412.	4.1511	3.5314	-.68366	-1.8254
105	61927-3	-.62069	3257.9	1.5198	1.1559	3.3256	-4.9232
106	61922-1	19.255	31022.	2.9671	3.6564	-1.6894	-8.3651
107	CCV	486.35	6869.9	2519.7	522.61	4951.6	456.84
108	CCB	-2.3037	-67.111	.52226	3.8774	-1.4897	-5.7771
109	PBW 182785	-2.6619	-62.693	-1.2413	1.7034	2.1256	-4.7019
110	LCSW-1	458.67	4171.7	479.86	488.45	1886.7	431.89
111	61764-41	179.90	35195.	.06663	3.6732	-.19080	.79451
112	61764-42	464.09	H280100.	16.115	7.2871	1.7649	-4.5314
113	61764-43	142.10	H251220.	14.479	2.3448	-1.0014	-3.8075
114	61764-45	8.6518	14193.	1.1190	2.2622	.25214	-2.1966
115	61759-1	-4.5312	13544.	1.3612	1.1355	.10524	-6.4951
116	61759-1S	481.70	18946.	509.49	514.00	1985.1	463.05
117	61759-1SD	434.76	16864.	455.21	460.08	1767.1	414.57
118	61759-2	-1.4628	14427.	.42251	3.2591	-1.1480	-.78972
119	CCV	495.20	7167.6	2572.5	527.30	4974.5	481.89
120	CCB	-2.1978	-97.352	.53423	1.9941	2.3012	-1.5637
121	61759-3	-2.7745	13830.	1.5634	3.2690	.76810	-3.8937
122	61759-4	-3.3411	13431.	.69376	1.2443	.72075	-6.6581
123	61759-5	-1.9771	13673.	1.3384	1.6710	-2.7744	-2.8429
124	61761-1	-4.9173	3775.2	-2.8225	2.1789	L-12.304	-17.335
125	61761-2	-1.8472	115.79	1.2975	6.2312	-.88746	-3.2996
126	61761-3	-2.4688	1101.5	.90054	3.7318	-4.0626	-2.0903
127	61761-4	-3.8174	1471.8	-.57400	1.9027	-5.3470	-4.1291
128	61890-1	36.356	H4134e3	2.0735	1.2481	-1.3337	-10.603
129	CCV	500.17	7535.7	2584.0	530.53	5015.5	475.89
130	CCB	-.81002	-169.70	.44888	2.6942	4.1230	-5.1706
131	61900-1	2.8429	H602620.	20.139	5.2864	1.5064	21.989
132	61965-1	7.2575	H696280.	74.852	1.7545	1.5667	-2.2072
133	61991-1	-.51755	37532.	6.0373	.49848	-2.1349	-5.3329
134	61991-1L	-3.4914	7364.8	1.7076	1.7432	-.95885	-1.6788
135	61991-1A	444.59	42689.	523.86	521.75	2011.9	466.92
136	30338-1	-1.9040	6421.4	-.43059	2.0578	-3.0854	-7.7656
137	30338-9	2.4915	4568.9	1.9154	.18895	4.4850	-2.5147
138	30370-1	-3.5625	16217.	.36145	3.7579	-.06167	-5.1910
139	CCV	498.82	7056.1	2605.6	534.48	5013.9	478.38
140	CCB	-1.6696	-308.61	2.1216	1.5509	1.3170	-4.2774
141	PBW 182776	-2.2788	-17.338	.11471	2.1916	.78373	-5.6432
142	LCSW-1	499.53	4745.8	526.40	539.37	2056.6	468.63
143	61764-1	1875.4	H162610.	6.5429	11.733	-.30251	-6.4075
144	61764-2	380.03	H645710.	46.207	64.102	9.1404	35.641
145	61764-3	10.993	H92101.	.65314	4.3232	-3.4723	-.76133
146	61764-3L	-.34580	17066.	-.33138	3.7456	-4.1710	-3.8100

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
147	61764-3A	471.21	H94561.	516.95	534.99	2066.9	486.15
148	61764-3S	530.12	H97135.	519.20	533.76	2083.6	488.35
149	61764-3SD	531.12	H97763.	522.27	539.28	2106.6	493.93
150	61764-4	32.421	43813.	1.3107	1.4177	.40914	.72382
151	CCV	496.42	7259.4	2552.6	533.55	5042.7	475.02
152	CCB	-1.0563	-176.93	-.41367	2.7211	1.7244	-4.4743
153	61764-5	52.810	17715.	14.337	.03654	.56812	-3.9882
154	61764-6	72.034	67099.	2.3804	1.7385	1.6768	-.62995
155	61764-7	236.63	H635910.	4.7676	2.1727	-1.4445	-2.3625
156	61764-8	339.28	H224250.	2.8798	2.6037	-.21268	-.29253
157	61764-9	73.435	21691.	.43486	1.4702	-.27556	-5.3261
158	61764-10	29.038	56992.	2.3126	1.9631	.01854	-2.8647
159	61764-11	5045.1	H396570.	13.932	-2.6375	.18927	L-20.419
160	61764-12	49.747	H477010.	9.7686	1.5503	-2.7666	-5.7243
161	61764-13	6.7830	64075.	.07601	.21718	.45499	-5.4693
162	61764-14	2.0086	H298670.	1.6837	2.0233	-1.0838	-.60685
163	CCV	489.97	7182.5	2530.3	520.19	4940.4	470.46
164	CCB	-1.1031	-248.44	.86316	2.5843	.92119	-2.7865
165	61764-15	692.04	H171430.	8.0585	.89251	-.81270	-10.087
166	61764-16	15.369	28321.	2.2586	3.2418	-1.7312	-2.0124
167	61764-17	14.827	H686650.	3.8942	1.8513	-1.0007	-2.9254
168	61764-18	72.087	H145180.	5.0439	.91581	3.3860	-4.7094
169	61764-19	45.612	3606.2	2.1455	5.0321	1.5656	-1.8712
170	61764-20	103.90	H215190.	4.5576	.64008	-.18542	-6.5241
171	CCV	491.20	7088.5	2550.5	523.38	4935.9	469.64
172	CCB	-1.6053	-217.19	-.23961	1.2222	.81938	-2.0831
173	PBW 182779	-2.1605	-108.21	.35941	.87887	-2.1587	-1.1521
174	LCSW-1	476.86	4531.3	496.45	509.56	1946.2	442.58
175	61764-21	104.68	H397160.	5.7113	5.1809	-3.2646	-1.9430
176	61764-21L	17.463	69864.	1.4063	3.9172	-2.5837	-4.7375
177	61764-21A	554.55	H375740.	515.65	513.10	2022.6	472.08
178	61764-21S	584.20	H369390.	510.80	510.45	1993.8	468.02
179	61764-21SD	615.91	H394580.	532.45	528.69	2074.4	491.44
180	61764-22	60.508	H299340.	4.7685	.66370	-.90435	4.5388
181	61764-23	41.543	H213490.	18.102	2.3145	-5.6446	-2.1273
182	61764-24	80.392	H189680.	16.630	1.8925	-.46836	-7.7813
183	CCV	489.75	6778.7	2488.4	506.79	4852.3	470.74
184	CCB	-1.0725	.78459	1.1774	1.6940	-1.9286	-2.8565
185	61764-25	203.58	H346880.	5.7112	2.0662	-2.2539	-4.9320
186	61764-26	68.461	H239370.	1.9411	1.4710	-1.2673	-1.0661
187	61764-27	3.7971	2675.8	-.16775	2.8815	-1.1208	-6.5744
188	61764-28	284.18	H217890.	1.7718	4.1075	-2.5133	-5.4236
189	61764-29	81.653	H161770.	1.7203	1.6728	-3.7832	-7.2550
190	61764-30	219.64	H140610.	2.6481	.78283	-1.9478	-6.1956
191	61764-31	241.07	H185770.	4.8956	1.0904	-3.6951	-8.4669
192	61764-32	6.1254	11169.	.86452	1.6078	-1.9294	-7.2149
193	61764-33	215.10	H150020.	5.7428	2.5801	-2.9376	-6.0742
194	61764-34	72.454	H211580.	1.7786	2.2920	-3.0097	-8.6501
195	CCV	479.42	6770.4	2469.7	500.07	4847.2	469.93
196	CCB	-1.9635	-205.75	.61555	2.9293	-1.6922	-8.0190
197	61764-35	28.592	55292.	.30534	3.0987	1.6298	-5.7065
198	61764-36	932.67	H789350.	5.4945	1.5082	.39974	-1.6445
199	61764-37	153.04	H243220.	23.355	2.0294	-.43324	-7.5053
200	61764-38	81.879	H167350.	8.1484	1.2812	-5.5469	-5.4675

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
201	61764-39	213.45	H97846.	10.023	.23736	2.1131	-3.3010
202	61764-40	79.291	69903.	2.8938	2.6943	-.06042	-4.5134
203	CCV	487.88	7651.9	2476.4	500.27	4855.9	491.02
204	CCB	-2.4311	-113.29	.71557	2.7917	.77065	-4.5123
205	PBW 182801	-1.6865	-2.8541	.57018	2.3579	-2.6248	-4.2899
206	LCSW-1	487.37	4416.3	506.23	509.43	1970.3	457.18
207	LCSW-2	487.34	4340.5	511.39	513.74	1987.0	466.27
208	62091-1	2.8091	4050.7	84.294	24.558	-1.1856	-1.0138
209	62091-2 1/10	-1.2743	H131050.	29.575	7.5304	21.691	-3.0827
210	62091-3 1/10	-4.0985	H363550.	1.9871	2.7984	9.9940	-8.1988
211	62091-4	-3.9221	H5389e3	11.838	.76077	5.0692	-1.9390
212	62091-5	-6.1762	5496.4	93.611	6.2605	-4.8657	-11.088
213	62091-6 1/10	-2.8544	H170930.	11.062	3.5584	21.219	-1.4070
214	62091-7	-3.3657	H3408e3	16.846	27.393	120.39	-6.0655
215	CCV	485.36	6982.2	2480.6	504.63	4836.9	464.61
216	CCB	-1.4546	-18.262	-.05348	2.3006	-.09344	-3.0057
217	62091-8	-4.9711	H8007e3	10.567	3.0545	19.487	-1.7061
218	62091-9	-1.1879	11947.	150.77	18.292	4.1979	-8.3598
219	62091-10 1/10	-4.7591	H173910.	26.695	5.1679	18.002	-8.3982
220	62091-11 1/10	-4.3018	H537440.	2.0716	3.8685	14.468	-4.4846
221	62091-12	-4.2441	H9531e3	5.2495	.54438	1.2484	-8.7625
222	62091-13 1/10	-2.2083	H125990.	1.8968	5.8273	13.839	-9.9499
223	62091-14 1/10	-3.4422	H570080.	2.1664	4.4077	12.650	-5.4466
224	CCV	479.29	7210.5	2460.0	501.33	4806.2	465.08
225	CCB	-3.2646	-207.09	-.01358	1.6230	-3.9997	-7.4113
226	62091-2	-5.9743	H1375e3	286.25	95.880	317.05	-8.7971
227	62091-3	-2.3545	H3548e3	22.654	36.891	149.36	-5.7781
228	62091-6	-4.1620	H1659e3	96.451	46.466	179.26	-5.3501
229	62091-10	-3.8228	H1430e3	212.37	58.664	207.66	-4.1845
230	62091-13	-2.7986	H1319e3	24.735	59.625	219.97	-13.828
231	62091-14	-2.9800	H5069e3	24.574	30.904	138.75	-9.8852
232	CCV	471.91	7056.8	2421.1	488.77	4746.2	455.47
233	CCB	-2.6590	-64.899	.60477	3.4390	-4.8544	-9.1746
234	CCV	466.81	6818.1	2384.3	481.47	4687.2	457.67
235	CCB	-1.4816	153.76	1.0065	2.1636	-.52073	-5.5389
236	62030-3	24.342	H89920.	17.871	16.012	1.9177	4.4669
237	62091-2 1/100	-2.4053	12718.	5.1970	1.4327	11.695	3.4302
238	62091-3 1/100	-3.5550	32900.	.07344	1.5227	-1.8560	-6.4686
239	62091-6 1/100	-3.7411	15450.	.05650	.85510	-.96464	-6.5809
240	62091-7 1/100	-2.8429	33297.	1.5140	1.2206	-.94499	-1.5863
241	62091-8 1/100	-4.3562	H91777.	-.24825	2.0801	.67740	-7.9691
242	62091-10 1/100	-2.6572	15463.	2.2243	1.9036	-1.5080	-9.4254
243	62091-13 1/100	-2.6904	10200.	-1.4475	2.5250	-1.8146	-11.117
244	62091-14 1/100	-3.9398	48312.	-.43970	2.6230	-.51764	-7.8592
245	62091-11 1/100	-4.6220	44958.	-.77606	2.3693	-1.4670	-5.5449
246	CCV	494.21	6860.9	2495.5	510.10	4910.0	476.42
247	CCB	-1.2250	-169.14	.25380	.91737	-3.5828	-1.4603
248	RL ICP	6.6776	724.58	41.632	11.554	20.668	15.166
249	RL ICP	6.8626	607.67	40.984	12.410	23.004	16.339
250	ICSA61	-4.9381	-113.53	-.18948	1.2972	.38644	-1.1011
251	ICSAB61	1004.2	-140.22	978.42	49.270	56.331	581.29
252	CCV	490.95	6969.1	2471.4	502.34	4828.7	466.88
253	CCB	-3.3053	-26.630	1.0157	.98619	-.60948	-.80676

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
1	HIGH STD 00034	10170.	4981.8	1004.8	10123.	10071.	5099.9
2	ICVP 00190	1045.2	1025.7	998.96	1037.6	1007.7	1061.5
3	ICVP 00190	1041.6	1025.9	997.93	1026.4	1005.7	1060.7
4	ICB	-9.9490	.63011	.51591	-4.4708	-3.4275	1.2474
5	ICVP 00190	1025.9	1032.2	995.39	1015.7	999.33	1044.0
6	ICB	.05133	.11768	.83299	4.9432	.87392	.54813
7	RL ICP 00045	47.636	10.436	9.6460	25.404	8.1129	21.742
8	ICSA61 00022	-15.339	2.3699	.87232	.80792	-1.6523	3.5352
9	ICSAB61	1019.7	2.4117	1.0161	106.22	512.35	1038.1
10	CCVP 00072	5022.0	2514.8	494.14	5031.8	4946.9	2550.3
11	CCB	-3.5858	.21612	-.22420	.96137	-.73693	.62687
12	PBW 182692	-5.8772	.10742	-.20107	2.1282	-.88357	2.9236
13	LCSW-1	986.41	522.44	989.29	2081.1	500.10	508.67
14	62053-21	28.606	103.26	18.144	30.512	2.3124	10.515
15	62053-22	-5.2059	35.711	167.84	.52383	79.814	313.08
16	62053-23	-.19178	112.20	37.124	3.7614	12.351	24.559
17	62053-24	8.5676	179.19	17.204	8.4616	14.585	19.111
18	62053-25	24.931	523.39	11.846	19.703	.96590	12.152
19	62053-26	42.455	474.95	12.081	40.142	10.488	12.343
20	RINSE	-2.2218	.20291	-.17670	2.6485	-1.5310	.30580
21	CCV	5304.1	2496.7	500.24	5238.6	5049.4	2755.5
22	CCB	-.73326	.35225	.31545	2.6339	-.18556	1.9990
23	PBW 182691	-13.543	.03815	-.23348	-9.1809	-3.7175	2.6059
24	LCSW-1	1023.1	516.63	991.61	2151.5	508.45	546.17
25	LCSW-2	1045.5	524.34	1008.4	2195.5	518.43	556.88
26	62053-1	-1.8909	8.8345	164.93	8.9100	17.304	71.278
27	62053-2	28.478	94.506	1287.9	16.158	1808.4	2958.8
28	62053-3	23.619	89.827	1132.9	5.6791	1629.4	2617.4
29	62053-4	27.061	71.034	146.92	25.904	122.26	12.257
30	62053-5	-5.5630	35.805	42.898	2.1187	10.180	37.788
31	62053-6	-2.7542	189.64	137.72	1.1377	26.329	145.03
32	RINSE	8.0220	-.07802	-.89443	9.6000	3.6319	-.46337
33	CCV	5321.2	2506.0	498.14	5252.1	5007.4	2764.5
34	CCB	-4.8252	.20930	-.08433	2.6496	-1.4346	.89886
35	62053-7	-.75946	200.55	165.59	4.7819	36.430	165.85
36	62053-8	11.073	100.27	69.311	12.702	34.799	18.782
37	62053-9	-3.1702	150.06	44.694	5.1719	5.4027	27.191
38	62053-10	1.1980	290.36	67.024	1.5149	9.4574	34.793
39	62053-11	17.157	231.78	104.70	1.5897	25.837	70.512
40	62053-12	18.543	158.30	74.545	21.118	29.011	15.650
41	RINSE	-8.8041	.14836	-.22032	2.7400	-.78147	.79074
42	CCV	5460.8	2535.4	502.54	5352.1	5044.5	2845.8
43	CCB	-2.3097	.31564	-.06209	-1.7473	-1.0082	1.4296
44	62053-13 1/10	11.966	25.011	511.96	23.690	602.98	562.84
45	CCV	5206.3	2565.2	497.91	5219.1	4964.6	2666.5
46	CCB	-12.596	.26204	-.46655	-5.6008	-3.2446	.41837
47	62053-13 1/10	3.6758	30.608	1082.6	8.2573	618.03	565.87
48	62053-14 1/10	13.988	25.086	293.94	24.531	468.72	869.10
49	62053-15	10.187	8.1687	349.10	3.8509	90.891	129.88
50	62053-16	-3.5616	194.03	71.197	4.5387	14.089	82.694
51	62053-17	30.211	14.369	197.92	19.538	39.208	41.153
52	62053-18	-6.3128	7.6649	61.596	6.2653	50.691	327.03
53	62053-19	-5.3850	6.3768	76.176	2.0736	11.975	59.749

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
54	62053-20	-1.7086	28.318	55.304	11.143	4.6283	27.965
55	RINSE	-8.8838	.00739	-.39744	-4.9942	-2.6643	.81786
56	CCV	5243.9	2573.5	498.77	5245.2	4964.3	2696.9
57	CCB	-4.7876	.23221	-.44532	6.5300	-.14413	.61815
58	62053-7	4.9599	203.29	68.579	9.9761	32.420	159.79
59	62053-9	-1.7812	151.79	17.687	.59151	3.9924	26.423
60	62053-10	.36850	294.16	26.392	-3.3337	6.9650	32.286
61	62053-11	18.968	233.98	46.780	10.403	23.826	67.277
62	62053-12	23.119	158.87	59.943	17.447	29.374	15.130
63	62053-2 1/5	3.2285	26.619	341.75	8.7684	506.72	876.14
64	62053-8 1/5	-1.4652	33.654	19.657	6.8477	10.795	7.6100
65	62053-18 1/20	-4.1530	2.2573	16.913	2.5130	14.812	97.740
66	62053-18 1/50	-.94297	1.0186	7.2351	2.7034	7.1721	45.446
67	CCV	5137.8	2401.8	487.49	5044.5	4929.1	2680.5
68	CCB	-9.0978	.12073	.13358	.35161	-3.6081	.58115
69	PBW 182698	8.3373	.13820	-.13414	-3.6776	-2.2915	8.9190
70	LCSW-1	1025.4	488.25	965.64	2093.6	495.08	551.93
71	62051-1	22.353	81.427	4436.0	14.142	316.30	541.85
72	62051-1S	975.87	530.78	5487.8	1959.9	769.37	1023.7
73	62051-1SD	1023.0	558.77	5862.7	2062.4	800.47	1073.0
74	62051-2	14.942	82.089	4396.8	12.829	294.52	518.69
75	62051-3	14.566	110.91	2216.2	-1.0211	236.72	339.91
76	62051-4	14.579	114.50	2912.2	2.8945	280.17	393.04
77	62043-1	10.828	72.026	2042.2	4.5312	121.82	298.26
78	62043-1L	-6.9653	14.548	409.71	-1.9865	21.795	60.196
79	CCV	5049.2	2405.7	491.05	4976.5	4946.6	2618.6
80	CCB	-5.7524	.75471	.89828	6.5115	-.29369	2.2118
81	62043-1A	886.86	504.08	2837.2	1981.3	597.80	789.36
82	62043-2	10.713	88.842	2446.4	4.0889	79.662	182.57
83	62043-3	15.238	88.801	2359.9	.69054	97.425	269.19
84	62043-4	8.1310	76.624	2227.8	2.0405	101.09	236.43
85	61920-1	155.14	327.62	399.37	1.4455	59.226	3496.6
86	61920-2	35.811	314.53	219.05	.80514	18.628	858.32
87	61920-3	63.408	317.01	236.85	6.4781	26.866	1445.9
88	61920-4	10.473	286.17	655.07	.88585	143.48	136.53
89	CCV	4928.7	2380.7	486.84	4869.1	4913.3	2543.2
90	CCB	-3.7800	.58984	.28285	4.5518	-.77120	1.0758
91	61932-1 1/10	4.7526	2555.2	7367.6	.28988	180.54	583.16
92	61932-3 1/10	-5.4055	9.4494	26.667	4.1694	.20576	905.25
93	61932-4 1/10	-4.4618	94.858	18.551	1.4134	-.21896	113.50
94	61962-4	-11.826	356.53	20.879	3.8176	.54009	14.717
95	61962-4L	-7.2451	70.910	4.8077	.40806	-.58500	3.3420
96	61962-4A	864.67	781.60	890.69	1958.6	492.57	500.79
97	61962-4S	987.37	830.48	1006.5	2021.7	509.58	517.66
98	61962-4SD	965.88	827.09	995.76	2045.6	512.87	522.16
99	CCV	4860.3	2375.3	486.51	4837.4	4908.5	2490.7
100	CCB	-1.7435	.53057	.10581	9.2021	.84257	.99073
101	61990-1	-.27572	362.34	85.332	3.5570	14.112	380.60
102	61990-2	-5.5757	382.12	5.2592	-5.2894	-1.2306	50.143
103	62030-3	10.263	520.02	5.3791	17.548	7.0054	109.39
104	61924-2	-3.4924	226.59	.25960	-.70453	-1.1972	17.310
105	61927-3	-7.5460	26.967	-.37642	-.03174	-.77321	4.9738
106	61922-1	-6.8771	61.436	.45849	-.74496	-1.4661	43.933
107	CCV	4988.5	2356.2	487.35	4878.7	4945.0	2604.8

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
108	CCB	-3.1063	.62684	.14421	3.2992	-.79452	1.4703
109	PBW 182785	-5.4594	-.00190	-.26562	2.7859	-.75710	1.7413
110	LCSW-1	935.82	450.68	908.08	1918.5	465.58	499.26
111	61764-41	-6.4482	3618.0	.55397	5.5426	14.083	9.6706
112	61764-42	-2.9046	964.33	6.3129	-.54043	35.374	13.834
113	61764-43	-3.5126	656.98	.91280	4.8460	13.238	6.0683
114	61764-45	-3.0219	331.24	5.3437	5.4844	-.18923	7.4608
115	61759-1	-7.7406	43.200	2.4458	-1.2765	-.71866	11.206
116	61759-1S	988.54	511.28	953.60	2031.3	493.70	546.38
117	61759-1SD	888.42	452.35	851.64	1808.8	438.24	492.33
118	61759-2	-2.3143	45.315	2.4466	5.1503	.44111	13.254
119	CCV	5135.3	2316.1	486.35	4954.5	4981.7	2696.7
120	CCB	-1.9062	.51185	-.15593	7.8990	.79705	1.0487
121	61759-3	-4.2147	43.327	3.6884	5.6596	.59224	11.892
122	61759-4	-6.2493	42.304	3.1673	4.4495	.20379	11.690
123	61759-5	-6.5177	43.521	2.8142	.39631	-.73837	11.880
124	61761-1	-15.043	16.307	23.893	-7.2960	-.69732	12.762
125	61761-2	-4.6849	3.8312	31.739	-2.8322	3.5786	130.59
126	61761-3	-5.3983	7.8549	13.414	-1.7985	4.1601	31.068
127	61761-4	-6.2520	13.771	.85060	-2.0157	.63296	9.2360
128	61890-1	26.147	4.8109	-.30962	-.95410	-.00049	7.1381
129	CCV	5150.1	2335.6	488.73	4986.9	5004.5	2706.9
130	CCB	-4.0599	.49613	.04882	3.6063	-.44234	1.1097
131	61900-1	1.1505	3445.6	14.548	2.2780	-.22961	1996.4
132	61965-1	-3.4039	432.80	.10069	-.65867	2.0528	84.516
133	61991-1	-5.8547	138.52	-.43613	1.5003	-.60870	21.875
134	61991-1L	-2.4028	28.376	-.35987	.50163	-.62612	4.6685
135	61991-1A	926.34	556.24	860.44	2043.4	496.67	568.47
136	30338-1	-6.0887	59.003	1.0798	3.5706	-1.0987	11.053
137	30338-9	-5.1757	203.78	.50553	.93951	6.1696	100.17
138	30370-1	-4.2785	65.172	13.617	3.3537	.08195	6.1555
139	CCV	5199.1	2315.6	487.08	5017.5	5006.3	2751.3
140	CCB	-2.2885	.81990	-.07119	9.3052	.51977	1.5179
141	PBW 182776	-3.9174	.03439	-.38900	4.2217	-1.0903	3.1647
142	LCSW-1	1028.5	473.32	965.93	2099.0	502.26	560.13
143	61764-1	-1.8069	196.77	12.051	3.7714	171.99	16.660
144	61764-2	-3.9763	83.575	894.79	-1.8837	5797.7	1549.0
145	61764-3	-7.6364	526.51	2.0903	-1.8272	-.16285	7.6549
146	61764-3L	-6.2274	104.53	-.02468	2.6827	-.08653	1.6608
147	61764-3A	949.51	934.63	876.58	2080.3	506.69	559.83
148	61764-3S	1062.3	996.16	986.75	2089.5	510.26	562.89
149	61764-3SD	1059.4	996.18	982.22	2110.0	514.60	566.88
150	61764-4	-4.7633	806.38	.31488	9.4606	-.09725	14.192
151	CCV	5100.9	2304.2	481.76	4947.7	4933.6	2677.8
152	CCB	-3.6792	.55567	.17466	8.7954	-.45574	.66981
153	61764-5	-6.2561	354.22	-.05266	4.2409	-1.1295	28.862
154	61764-6	-3.7343	304.24	3.2609	1.5748	16.486	6.0953
155	61764-7	-3.3268	37.761	1.0082	2.7814	130.42	5.6507
156	61764-8	-3.9611	287.43	-.43798	3.7374	29.447	4.4088
157	61764-9	-3.2423	98.434	-.31787	.31628	58.771	9.2095
158	61764-10	-7.2816	673.85	-.33724	1.3971	-.65249	12.720
159	61764-11	-4.2332	293.41	-.33809	-2.4442	16.205	10.879
160	61764-12	-7.5926	378.33	-.33379	-3.3245	-.69930	9.1745
161	61764-13	-6.1404	377.47	-.29250	3.8062	10.533	15.612

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
162	61764-14	-1.9845	137.11	-.43342	2.5432	.04929	4.5015
163	CCV	5024.5	2327.3	479.21	4906.0	4901.1	2627.7
164	CCB	-1.6622	.60879	-.16673	10.873	.64699	1.3757
165	61764-15	-4.9492	566.62	.12775	-1.3838	1.1200	18.138
166	61764-16	-4.3396	1039.4	4.9588	4.4680	.35598	218.04
167	61764-17	-3.1064	27.331	-.20051	.64191	177.50	7.7825
168	61764-18	-7.8232	111.67	.65555	-1.8608	11.629	7.9409
169	61764-19	-4.9795	241.25	.94625	1.8194	.90110	25.932
170	61764-20	-5.6343	310.63	-.37042	-1.4896	6.0773	19.477
171	CCV	5067.1	2337.7	481.80	4941.1	4936.3	2659.2
172	CCB	-1.3207	.89456	.22746	4.2247	1.4046	1.6331
173	PBW 182779	-4.2329	.04875	-.30785	-1.6611	-.76684	2.3579
174	LCSW-1	974.53	459.08	923.13	1985.2	475.08	525.05
175	61764-21	-4.0787	52.531	2.6863	5.0683	769.02	9.1900
176	61764-21L	-3.3467	10.601	.00624	2.1010	148.43	1.8700
177	61764-21A	921.40	476.36	864.62	2023.8	1237.9	551.73
178	61764-21S	989.96	505.40	931.78	2007.7	1222.0	549.75
179	61764-21SD	1027.8	531.50	973.24	2102.1	1289.7	568.19
180	61764-22	-4.5900	171.69	1.0548	1.8236	282.57	3.9807
181	61764-23	-2.2014	532.46	.19628	2.3671	205.31	6.7907
182	61764-24	-5.5607	492.58	-.20204	2.0433	8.3166	4.9045
183	CCV	4934.7	2335.1	477.76	4848.9	4870.1	2561.6
184	CCB	-1.7555	.72464	.11850	6.3328	.11370	1.6267
185	61764-25	-5.5003	159.69	-.26367	-1.5329	199.35	4.9807
186	61764-26	-3.3430	83.301	-.52930	.53357	.38802	2.9427
187	61764-27	-5.4060	137.70	-.10553	2.0430	-1.1326	3.8112
188	61764-28	-5.5748	68.791	.46378	2.1808	66.007	22.023
189	61764-29	-4.3648	65.384	-.23446	.70350	-.92894	4.3626
190	61764-30	-7.1953	189.98	-.28610	-1.2854	43.008	4.4231
191	61764-31	-6.5801	622.88	-.56252	-1.1101	5.2850	3.5518
192	61764-32	-7.7585	55.682	-.30950	2.4087	.20662	5.3495
193	61764-33	-9.8202	459.70	-.32771	4.5365	-.56400	7.2447
194	61764-34	-2.8803	67.900	-.52051	.26219	-.19797	3.6144
195	CCV	4874.6	2371.5	481.61	4847.3	4884.9	2508.8
196	CCB	-4.9862	.83560	.27763	2.5148	-.12527	1.6152
197	61764-35	-7.1644	327.67	-.31736	1.2776	6.1516	11.449
198	61764-36	-1.2631	26.728	-.29433	-.64556	34.385	7.6473
199	61764-37	-3.9799	599.65	-.42777	.92132	7.8691	11.830
200	61764-38	-5.3706	40.220	.61408	-.07752	593.75	9.5690
201	61764-39	-1.7312	547.74	.01743	-.27654	7.5965	35.790
202	61764-40	-5.9342	395.15	-.25483	2.1454	11.483	8.7944
203	CCV	4911.1	2359.4	477.40	4857.4	4874.4	2536.4
204	CCB	-4.0790	.95306	.01132	3.2095	.71408	1.1627
205	PBW 182801	-2.5811	-.00022	-.40756	.51887	-.89451	2.8863
206	LCSW-1	988.06	479.92	954.58	2035.4	491.16	531.47
207	LCSW-2	988.70	477.58	953.78	2035.2	496.40	533.94
208	62091-1	-2.7161	8.7752	350.12	3.3502	95.833	129.76
209	62091-2 1/10	-17.450	4.4114	19.648	.63739	-7.3030	42.154
210	62091-3 1/10	-13.681	5.4494	.18805	2.3336	-8.7146	3.2938
211	62091-4	-4.7789	2.8478	-.26379	2.9689	-3.7784	16.782
212	62091-5	-11.515	33.223	38.566	-3.9511	7.4678	80.318
213	62091-6 1/10	-13.678	7.7741	.20249	4.6468	-7.7015	11.759
214	62091-7	L-61.503	31.630	.09983	L-93.811	117.62	24.773
215	CCV	4927.9	2331.4	475.60	4842.8	4855.8	2558.9

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
216	CCB	-2.2687	.16156	-.32511	5.8623	-.17649	.71597
217	62091-8	-14.493	3.8735	.09811	2.5222	L-11.152	15.032
218	62091-9	-3.0056	125.01	58.618	-1.5264	14.763	94.785
219	62091-10 1/10	-18.771	21.072	3.1414	3.9760	-8.7909	37.314
220	62091-11 1/10	-16.044	.65036	-.35001	-2.8144	L-11.088	3.6008
221	62091-12	-11.717	2.3011	.17066	-4.2117	-8.3472	8.4317
222	62091-13 1/10	-17.121	2.1841	.78303	-2.1254	L-10.677	2.4890
223	62091-14 1/10	-11.756	5.4869	-.53153	2.9942	-9.6823	3.4401
224	CCV	4896.9	2303.5	471.97	4798.1	4818.1	2538.7
225	CCB	-7.5458	.17587	-.06040	-.11075	-1.3665	.84538
226	62091-2	L-135.45	41.975	189.28	L-466.33	759.72	406.89
227	62091-3	L-76.357	52.960	1.9938	L-139.28	184.70	26.433
228	62091-6	L-85.259	70.956	5.2111	L-194.80	304.23	107.94
229	62091-10	L-85.594	162.80	27.860	L-258.36	453.49	278.53
230	62091-13	L-103.77	21.144	11.042	L-274.90	433.07	19.948
231	62091-14	L-74.536	52.994	.15917	L-139.53	176.66	32.228
232	CCV	4785.2	2330.5	471.46	4729.7	4797.2	2459.5
233	CCB	-4.6894	.35106	.01833	.09830	-1.2956	.93859
234	CCV	4702.4	2319.4	468.68	4677.8	4752.6	2408.1
235	CCB	-3.9218	.23164	-.28774	3.2754	-.03870	.25909
236	62030-3	-4.2226	508.49	6.0337	2.8919	.87153	100.79
237	62091-2 1/100	2.2158	.39845	1.0417	9.1529	.40809	5.2603
238	62091-3 1/100	-6.9782	.56146	-.20813	-2.3241	-1.9365	.83025
239	62091-6 1/100	-4.5325	.83043	-.25905	1.3582	-1.5843	1.9076
240	62091-7 1/100	-2.7012	.42375	-.18631	2.2226	-1.0794	.74310
241	62091-8 1/100	-6.6792	.24588	-.44100	-.39031	-1.9761	1.0474
242	62091-10 1/100	-6.6926	2.1013	-.15267	1.8789	-2.7098	5.5116
243	62091-13 1/100	-8.3114	.23114	-.24865	1.4310	-3.4134	.36512
244	62091-14 1/100	-7.8001	.50845	-.72067	3.3202	-2.5623	.01501
245	62091-11 1/100	-7.2362	.13764	-.52467	.55882	-2.9899	.71391
246	CCV	4953.9	2378.9	482.43	4876.3	4889.4	2558.9
247	CCB	-2.9529	.03938	-.14463	2.7660	-1.5108	.40780
248	RL ICP	44.667	9.9335	9.6901	27.194	7.6282	21.935
249	RL ICP	44.312	9.9604	9.5088	30.874	8.4657	22.159
250	ICSA61	-.12537	2.3117	1.6835	1.1082	2.4495	4.6468
251	ICSAB61	988.33	2.3108	1.0925	104.48	503.26	1024.4
252	CCV	4893.5	2372.3	477.04	4846.9	4828.8	2535.3
253	CCB	-4.2401	.03188	-.38065	2.7531	-.68518	.39394

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
1	HIGH STD 00034	1040.2	995.39	10180.	10032.	1008.72
2	ICVP 00190	1045.3	1040.9	1042.9	1036.2	1030.48
3	ICVP 00190	1033.0	1047.1	1023.2	1037.3	1033.5
4	ICB	-11.723	8.2265	-14.512	-7.1310	1025.65
5	ICVP 00190	1014.6	1027.0	1017.7	1021.4	1018.63
6	ICB	1.5076	-.13835	1.8346	-.96532	1032.5
7	RL ICP 00045	8.0339	13.855	18.256	22.145	1036.11
8	ICSA61 00022	-.74546	-.55210	-1.5186	-9.2046	934.783
9	ICSAB61	48.260	52.648	52.173	59.550	925.902
10	CCVP 00072	498.02	520.22	5001.2	5104.7	1028.73
11	CCB	-3.0171	5.6911	-5.2218	-2.5813	1017.7
12	PBW 182692	-6.1988	6.5757	-18.023	3.1915	1007.47

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
13	LCSW-1	503.53	507.90	2034.0	2060.4	985.588
14	62053-21	-5.9159	6.4303	3.3671	15.128	656.331
15	62053-22	34.441	54.185	-12.808	-2.0388	1149.24
16	62053-23	.45052	5.1376	-6.7186	-2.9733	867.557
17	62053-24	5.4287	10.643	1.7617	11.432	830.095
18	62053-25	-10.510	10.774	8.3301	13.462	714.941
19	62053-26	19.050	-8.0066	50.622	27.668	744.502
20	RINSE	-3.6987	3.6342	-4.0551	-3.7572	1106.33
21	CCV	528.94	546.06	5147.9	5225.8	1084.68
22	CCB	-4.6342	5.7794	-7.4366	.22622	1098.99
23	PBW 182691	-19.879	13.553	-30.960	-5.9591	1058.64
24	LCSW-1	521.04	527.51	2058.3	2077.4	1053.13
25	LCSW-2	536.29	540.67	2112.2	2156.1	1047.78
26	62053-1	5.4012	8.2626	-5.0307	1.0177	1045.4
27	62053-2	545.48	517.94	1.2460	29.310	1383.98
28	62053-3	493.69	506.07	.45153	26.459	1231.78
29	62053-4	9.1849	-.85880	25.962	17.305	671.545
30	62053-5	-1.3053	2.3319	-6.4841	-.95334	987.177
31	62053-6	4.7426	18.025	-11.275	4.5901	1270.53
32	RINSE	18.386	-7.8380	23.924	17.403	1127.14
33	CCV	528.63	544.63	5117.9	5280.6	1149.75
34	CCB	-4.4735	6.0587	-2.2491	-.41545	1152.39
35	62053-7	14.109	14.839	3.2574	6.3026	1108.38
36	62053-8	-2.7386	8.6556	5.2751	13.742	1383.82
37	62053-9	3.3073	8.4578	-1.3695	-1.8281	1143.37
38	62053-10	6.5369	10.945	-3.4323	2.2197	1026
39	62053-11	47.026	55.670	-1.1576	8.4984	1010.77
40	62053-12	13.004	11.946	20.084	16.665	976.864
41	RINSE	-3.1208	4.3769	-9.0482	1.5711	1110.63
42	CCV	542.65	557.22	5201.9	5402.0	1140.13
43	CCB	-6.4914	9.5621	-5.0603	-.30765	1132.12
44	62053-13 1/10	193.68	176.64	12.479	9.6332	1118.47
45	CCV	519.60	529.80	5098.0	5294.0	1066.54
46	CCB	-15.316	11.978	-19.498	1.1622	1029.16
47	62053-13 1/10	166.96	184.51	-2.1618	-.47948	1065.8
48	62053-14 1/10	157.63	133.94	15.764	7.1527	1113.13
49	62053-15	23.650	18.852	12.139	19.266	903.696
50	62053-16	6.0876	9.2124	-.20318	-.30133	1198.8
51	62053-17	2.2510	9.9023	21.849	31.595	761.537
52	62053-18	18.857	23.012	-1.2939	.44992	8546.7
53	62053-19	8.7622	8.6298	4.3360	2.4431	1091.53
54	62053-20	1.4062	4.7340	6.0649	-3.4705	942.258
55	RINSE	-7.5064	4.3364	-12.382	-6.3427	1083.14
56	CCV	515.21	543.92	5089.6	5357.1	1066
57	CCB	-4.4725	4.1417	.74739	-1.6560	1063.45
58	62053-7	10.382	15.910	-.61875	6.8938	1077.32
59	62053-9	1.3397	9.9260	-3.5210	-.77851	1092.54
60	62053-10	5.7833	13.529	-4.6594	5.9812	961.248
61	62053-11	48.842	49.922	8.7235	5.4102	950.827
62	62053-12	15.230	10.437	14.548	13.466	910.701
63	62053-2 1/5	151.60	160.06	-9.7133	7.2974	1167.17
64	62053-8 1/5	-1.4098	5.9450	.58759	1.9251	1113.49
65	62053-18 1/20	6.7793	7.3531	-2.2164	4.1724	1490.62
66	62053-18 1/50	7.8775	3.2403	-.39364	2.1364	1239.95

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
67	CCV	525.50	532.39	5008.0	5034.3	1105.6
68	CCB	-14.752	9.9797	-14.850	-1.6826	1104.82
69	PBW 182698	-6.3936	5.7113	-12.255	-1.0162	1094.12
70	LCSW-1	533.40	532.18	2056.9	2043.7	1105.09
71	62051-1	308.27	290.24	10.576	4.5853	1125.92
72	62051-1S	799.86	762.57	1911.7	1872.9	1164.97
73	62051-1SD	822.65	807.18	1989.7	1982.8	1156.85
74	62051-2	307.47	287.80	5.8558	6.7084	1160.51
75	62051-3	200.11	184.29	-7.1055	5.2217	1101.8
76	62051-4	184.46	173.79	-3.0359	2.1281	1142.01
77	62043-1	137.87	139.72	-5.0790	-.57885	1127.28
78	62043-1L	19.036	35.554	-17.264	-.23981	1096.95
79	CCV	525.61	512.96	5084.5	4941.3	1091.43
80	CCB	-10.954	9.6811	-12.194	-.11317	1091.61
81	62043-1A	630.47	628.42	1972.5	1943.6	1088.12
82	62043-2	41.198	46.356	-3.7820	-1.6089	1097.75
83	62043-3	54.433	56.672	-5.2507	2.8607	1107
84	62043-4	2871.6	2816.0	-2.1153	5.8352	1100.77
85	61920-1	255.82	260.50	16.619	22.444	1053.91
86	61920-2	33.763	37.643	12.291	13.557	1042.96
87	61920-3	86.784	88.870	14.929	10.677	1056.71
88	61920-4	22.516	11.443	2.8340	4.6576	1007.12
89	CCV	514.34	506.55	5024.5	4858.8	1058.4
90	CCB	-5.0067	4.1440	-5.6308	4.3323	1031.24
91	61932-1 1/10	406.85	402.79	-2.1868	1.4519	1019.47
92	61932-3 1/10	3087.0	3012.1	-5.4821	-.06552	1023.64
93	61932-4 1/10	553.67	558.70	-10.501	-4.3130	1014.79
94	61962-4	-5.5883	10.863	-15.394	-5.4052	967.319
95	61962-4L	-6.6206	8.5716	-13.455	2.6005	984.824
96	61962-4A	486.64	481.64	1993.3	1904.1	991.074
97	61962-4S	516.84	481.59	2061.6	1950.0	995.362
98	61962-4SD	506.12	506.92	2074.4	1999.5	997.361
99	CCV	512.95	495.50	5036.5	4812.0	1030.99
100	CCB	1.8514	1.6798	3.5766	7.5608	1046.07
101	61990-1	74.001	78.697	-2.8368	-3.6823	1035.92
102	61990-2	-2.7588	11.157	-12.604	.81536	1037.92
103	62030-3	39.026	2.3754	33.619	12.220	1058.33
104	61924-2	-1.3150	5.9510	-1.8415	-.10562	1059.35
105	61927-3	1.1544	1.1567	-3.1564	6.5617	1100.43
106	61922-1	-2.4073	6.6837	-7.2637	1.0936	1099.13
107	CCV	476.98	545.40	4994.7	4930.1	1075.76
108	CCB	-4.5748	8.0972	-9.3014	2.4103	1068.91
109	PBW 182785	.21761	2.4452	1.2511	2.5622	1074.36
110	LCSW-1	491.36	487.00	1932.4	1863.8	1073.65
111	61764-41	-1.4955	6.2536	-5.3900	2.4049	1068.73
112	61764-42	6.7803	7.5402	2.2683	1.5135	1026.09
113	61764-43	-.03746	3.5341	-2.7064	-.15015	1036.62
114	61764-45	-.99579	3.8888	3.7771	-1.5077	1066.42
115	61759-1	.81704	1.2944	1.1382	-.41047	1085.47
116	61759-1S	524.91	508.56	2038.2	1958.6	1089.39
117	61759-1SD	466.47	456.89	1817.0	1742.2	1104.21
118	61759-2	-.91085	5.3410	-2.6834	-.38140	1096.46
119	CCV	537.57	522.17	5120.0	4901.9	1104.15
120	CCB	1.6131	2.1843	6.6107	.14964	1097.92

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
121	61759-3	1.9599	3.9226	-4.1556	3.2263	1102.3
122	61759-4	-2.6411	3.1841	-4.4279	3.2912	1117.86
123	61759-5	-6.2868	5.6440	-9.0655	.36638	1119.97
124	61761-1	-17.104	11.806	-24.861	-6.0342	1109.5
125	61761-2	2.2055	8.2411	-3.4788	.40627	1097.44
126	61761-3	2.0683	4.5622	-1.1190	-5.5322	1086.09
127	61761-4	-3.5262	4.6131	-9.9433	-3.0523	1096.63
128	61890-1	-12.629	8.1764	-13.293	4.6372	946.798
129	CCV	537.21	527.20	5150.2	4948.2	1095.6
130	CCB	-.49207	4.2849	1.2726	5.5461	1100.07
131	61900-1	2.3455	6.7547	-1.2252	2.8701	1053.49
132	61965-1	-1.5549	3.4068	-.26412	2.4807	1049.72
133	61991-1	-.44566	.96984	-1.9983	-2.2031	1108.59
134	61991-1L	-.16634	2.6965	.90216	-1.8880	1116.15
135	61991-1A	532.06	516.61	2059.8	1988.0	1121.78
136	30338-1	-6.2447	6.2028	-7.8989	-.68236	1124.18
137	30338-9	-2.9112	1.7367	3.5439	4.9548	1118.15
138	30370-1	-.51576	5.8916	-3.2311	1.5207	1122.25
139	CCV	544.44	529.50	5142.8	4949.5	1128.5
140	CCB	-3.4233	4.0343	-3.5781	3.7609	1114.21
141	PBW 182776	-2.0570	4.3127	-1.7021	2.0248	1121.3
142	LCSW-1	547.04	535.54	2099.7	2035.1	1115.93
143	61764-1	5.5773	14.807	-1.9420	.51600	1103.23
144	61764-2	66.323	62.994	3.6646	11.874	1084.25
145	61764-3	-1.9708	7.4655	-6.4934	-1.9640	1104.09
146	61764-3L	-2.5272	6.8772	-8.4406	-2.0393	1120.12
147	61764-3A	540.75	532.12	2114.9	2043.0	1104.22
148	61764-3S	538.51	531.39	2117.0	2067.0	1096.53
149	61764-3SD	544.13	536.86	2138.8	2090.5	1097.31
150	61764-4	-2.2698	3.2586	3.9782	-1.3727	1095.67
151	CCV	540.28	530.20	5131.2	4998.5	1101.97
152	CCB	-2.4128	5.2842	1.1951	1.9886	1109.71
153	61764-5	-2.3080	1.2071	-1.6981	1.6995	1112.68
154	61764-6	-.00103	2.6069	.91837	2.0555	1109.7
155	61764-7	2.8477	1.8357	3.8409	-4.0833	1076.43
156	61764-8	.03056	3.8884	-1.8520	.60576	1103.02
157	61764-9	-3.0193	3.7117	-8.3407	3.7510	1127.09
158	61764-10	-3.8913	4.8859	-.04195	.04875	1080.34
159	61764-11	-.46918	-3.7201	-2.3316	1.4478	1051.65
160	61764-12	-2.5609	3.6029	-4.2211	-2.0404	1057.83
161	61764-13	-2.2959	1.4718	-2.6931	2.0263	1075.8
162	61764-14	2.9488	1.5612	-3.8403	.29244	1078.46
163	CCV	521.40	519.59	5038.7	4891.4	1089.84
164	CCB	1.8994	2.9262	3.6044	-.41840	1087.67
165	61764-15	-7.1278	4.8966	-3.8794	.71836	1065.25
166	61764-16	.82811	4.4468	-3.1237	-1.0360	1084.79
167	61764-17	-3.3614	4.4537	-5.2004	1.0960	1045.5
168	61764-18	-2.8966	2.8192	-.66435	5.4081	1064.09
169	61764-19	2.5958	6.2483	-3.5124	4.1008	1090.91
170	61764-20	-3.0627	2.4887	-2.1790	.80986	1063.47
171	CCV	522.72	523.71	5031.1	4888.4	1089.26
172	CCB	-5.4431	4.5499	-.20008	1.3283	1083.17
173	PBW 182779	-1.6787	2.1557	-4.6141	-.93282	1092.96
174	LCSW-1	515.51	506.59	1987.6	1925.5	1097.38

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
175	61764-21	1.4473	7.0450	-1.4609	-4.1650	1065.57
176	61764-21L	-3.3606	7.5507	-9.4572	.84786	1125.58
177	61764-21A	518.84	510.24	2063.4	2002.2	1099.74
178	61764-21S	513.07	509.14	2027.1	1977.2	1102.03
179	61764-21SD	531.60	527.24	2122.8	2050.2	1089.6
180	61764-22	-4.5449	3.2641	-6.0064	1.6428	1101.03
181	61764-23	-.38364	3.6615	-8.7984	-4.0701	1088.84
182	61764-24	-2.6192	4.1450	-6.2515	2.4189	1099.94
183	CCV	510.35	505.02	4946.7	4805.1	1129.03
184	CCB	-.85703	2.9676	-1.0858	-2.3494	1122.76
185	61764-25	.74751	2.7246	-1.5614	-2.5997	1091.15
186	61764-26	.58300	1.9144	-.04418	-1.8780	1105.31
187	61764-27	-2.9938	5.8147	1.8903	-2.6240	1134.77
188	61764-28	2.3078	5.0060	-3.3546	-2.0932	1106.52
189	61764-29	-2.6818	3.8469	-4.4594	-3.4456	1110.09
190	61764-30	-2.6798	2.5115	-4.9559	-.44606	1101.82
191	61764-31	-4.1774	3.7203	-3.8236	-3.6309	1114.67
192	61764-32	-5.1486	4.9810	-4.1841	-.80371	1108.51
193	61764-33	-1.2020	4.4683	-2.6701	-3.0711	1076.54
194	61764-34	-4.1538	5.5101	-5.8462	-1.5936	1097.82
195	CCV	501.83	499.19	4948.7	4796.5	1094.28
196	CCB	-3.5811	6.1795	-3.4808	-.79921	1094.9
197	61764-35	2.2311	3.5318	.53845	2.1746	1084.87
198	61764-36	-.06952	2.2958	2.9064	-.85168	1036.52
199	61764-37	-6.5059	6.2907	-2.8914	.79396	1059.21
200	61764-38	-2.8723	3.3548	-3.5949	-6.5214	1054.11
201	61764-39	-3.7866	2.2463	-1.4230	3.8785	1087.7
202	61764-40	-2.5703	5.3226	-5.6966	2.7535	1090.94
203	CCV	528.03	486.42	4993.0	4787.4	1104.5
204	CCB	-2.3990	5.3832	-.65515	1.4825	1129.68
205	PBW 182801	.63053	3.2203	-6.8197	-.53055	1134.58
206	LCSW-1	512.11	508.09	1996.9	1957.1	1119.64
207	LCSW-2	518.63	511.30	2020.5	1970.3	1119.09
208	62091-1	22.396	25.638	-1.9337	-.81205	1130.64
209	62091-2 1/10	1.4739	10.554	32.335	16.377	1101.3
210	62091-3 1/10	-7.8609	8.1200	14.093	7.9476	1088.01
211	62091-4	-.99384	1.6368	3.7643	5.7207	948.578
212	62091-5	-1.7868	10.278	-14.700	.04399	1132.24
213	62091-6 1/10	-2.8439	6.7547	30.688	16.491	1086.1
214	62091-7	15.228	33.466	185.64	87.813	1026.18
215	CCV	510.97	501.47	4930.6	4790.1	1114.27
216	CCB	-.98090	3.9389	-6.4099	3.0600	1125.9
217	62091-8	-1.8513	5.5038	24.473	16.997	938.536
218	62091-9	13.215	20.827	1.6624	5.4637	1185.95
219	62091-10 1/10	-.40476	7.9500	25.549	14.234	1147.48
220	62091-11 1/10	-3.9211	7.7575	23.354	10.031	1082.65
221	62091-12	-8.7384	5.1788	.51384	1.6151	890.404
222	62091-13 1/10	.80161	8.3363	24.084	8.7238	1114.61
223	62091-14 1/10	-1.5661	7.3901	18.877	9.5415	1081.87
224	CCV	514.04	494.99	4918.0	4750.4	1122.07
225	CCB	-4.3027	4.5814	-4.4406	-3.7796	1117.66
226	62091-2	74.444	106.58	468.57	241.40	1036.13
227	62091-3	21.565	44.542	222.70	112.75	961.061
228	62091-6	34.239	52.570	272.78	132.57	1095.99

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
229	62091-10	52.195	61.894	317.22	152.96	1297.63
230	62091-13	37.072	70.885	334.62	162.74	1011.59
231	62091-14	16.003	38.343	217.02	99.669	946.722
232	CCV	493.60	486.36	4846.7	4696.0	1089.03
233	CCB	-7.5302	8.9154	-10.461	-2.0552	1088.16
234	CCV	492.22	476.10	4792.5	4634.6	1071.81
235	CCB	-1.0281	3.7571	-1.0973	-.23290	1077.27
236	62030-3	12.289	17.871	3.7086	1.0237	1062.81
237	62091-2 1/100	9.6186	-2.6541	16.448	9.3216	1103.07
238	62091-3 1/100	-5.9718	5.2643	-6.8331	.62876	1133.24
239	62091-6 1/100	-4.2276	3.3927	-.70076	-1.0964	1132.69
240	62091-7 1/100	-1.4964	2.5770	-5.9598	1.5586	1130.35
241	62091-8 1/100	-2.6493	4.4413	-5.4381	3.7306	1123.58
242	62091-10 1/100	-5.8073	5.7533	-4.9925	.23164	1141.53
243	62091-13 1/100	-3.9166	5.7410	-1.7243	-1.8597	1160.87
244	62091-14 1/100	-1.0435	4.4534	.29192	-.92182	1153.91
245	62091-11 1/100	-6.4766	6.7856	-8.5158	2.0521	1161.38
246	CCV	513.77	508.27	4972.5	4878.9	1084.54
247	CCB	-3.2490	2.9974	-10.467	-.14577	1091.21
248	RL ICP	7.2805	13.688	15.794	23.102	1088.02
249	RL ICP	11.869	12.680	20.331	24.339	1080.18
250	ICSA61	1.9155	.98848	-6.9897	4.0690	1005.96
251	ICSAB61	49.969	48.921	56.515	56.238	991.396
252	CCV	497.28	504.87	4865.6	4810.2	1078.92
253	CCB	-1.2926	2.1239	-.33504	-.74649	1109.84

Method: 2PTTR2 Standard Name: CALBLK Operator: BCB
Run Time: 10/13/10 11:04:38
Comment:
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	.0160031	.6356957	.6356957	.0444159	.0864789	.0089929	-.047021
SDev	.0013698	.0031674	.0031674	.0699010	.0344165	.0070481	.004376
%RSD	8.559267	.4982538	.4982538	157.3781	39.79750	78.37319	9.306345
#1	.0169717	.6379353	.6379353	.0938434	.1108151	.0139767	-.043927
#2	.0150346	.6334560	.6334560	-.005012	.0621428	.0040092	-.050115
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	.0860254	.0114828	-.001026	-.004508	.1745368	.0179799	.0179799
SDev	.0011733	.0148217	.018393	.004964	.0129495	.0183401	.0183401
%RSD	1.363838	129.0771	1792.518	110.1051	7.419331	102.0032	102.0032
#1	.0868551	.0219633	.0119800	-.000998	.1836934	.0309483	.0309483
#2	.0851958	.0010023	-.014032	-.008018	.1653801	.0050115	.0050115
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	.2729858	-.002001	-.002001	.0059979	.0304948	.0200024	-.028522
SDev	.0713816	.000006	.000006	.0028125	.0105244	.0027732	.009275
%RSD	26.14844	.2806233	.2806233	46.89084	34.51196	13.86426	32.51991
#1	.3234602	-.001997	-.001997	.0079867	.0379367	.0219633	-.021963
#2	.2225114	-.002005	-.002005	.0040092	.0230530	.0180415	-.035081
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	.1093811	.0965318	.0039993	.0074935	-.089209	.0284823	.0050056
SDev	.1093291	.0009782	.0014034	.0063449	.128984	.0190180	.0028434
%RSD	99.95249	1.013369	35.09213	84.67300	144.5866	66.77119	56.80408
#1	.1866884	.0958400	.0049917	.0119800	.0019967	.0419300	.0029950
#2	.0320737	.0972235	.0030069	.0030069	-.180415	.0150346	.0070161
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	.1487806	-.220175	.0010579	-.009589
SDev	.1666400	.075595	.0410281	.061565
%RSD	112.0038	34.33390	3878.320	642.0081
#1	.0309483	-.166722	-.027953	.0339433
#2	.2666128	-.273629	.0300691	-.053122
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1000	--	--	--	--	--	--
SDev	2.805381	--	--	--	--	--	--
%RSD	.2806264	--	--	--	--	--	--
#1	1002	--	--	--	--	--	--
#2	998	--	--	--	--	--	--

Method: 2PTTR2 Standard Name: HIGH STD Operator: BCB
Run Time: 10/13/10 11:09:13
Comment: 00034
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	18.69629	51.21092	51.20991	39.25283	202.4989	753.6170	122.6725
SDev	.05880	.16106	.15962	.03793	.4396	3.4443	.2650
%RSD	.3145040	.3145012	.3117052	.0966320	.2170932	.4570355	.2160205
#1	18.65471	51.09704	51.09704	39.27965	202.1880	751.1815	122.4852
#2	18.73787	51.32481	51.32278	39.22601	202.8097	756.0525	122.8599
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	16.57793	72.31538	32.84103	227.9784	261.1476	7.984788	7.984788
SDev	.04157	.01081	.04364	.5068	.8292	.004372	.004372
%RSD	.2507527	.0149426	.1328698	.2222820	.3175389	.0547602	.0547602
#1	16.54853	72.30775	32.81018	227.6201	260.5612	7.987879	7.987879
#2	16.60732	72.32303	32.87189	228.3367	261.7339	7.981696	7.981696
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	56.52927	3.116000	3.116000	755.0561	11.84220	1.117632	244.6102
SDev	.36099	.000308	.000308	1.5382	.07750	.019888	.0505
%RSD	.6385850	.0098739	.0098739	.2037152	.6544420	1.779507	.0206608
#1	56.27401	3.115783	3.115783	753.9684	11.78740	1.103569	244.5745
#2	56.78453	3.116218	3.116218	756.1437	11.89700	1.131695	244.6459
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	17.49965	196.9218	714.8455	42.17147	154.6004	178.9059	73.60349
SDev	.14205	.5353	2.1145	.15401	.5058	.2514	.00531
%RSD	.8117252	.2718578	.2958044	.3652075	.3271765	.1405013	.0072196
#1	17.39920	196.5432	713.3503	42.06256	154.2427	178.7282	73.60725
#2	17.60009	197.3003	716.3407	42.28037	154.9581	179.0837	73.59973
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	53.92303	55.34279	192.3090	166.3372
SDev	.36883	.36389	.0888	.7353

%RSD	.6839912	.6575247	.0461973	.4420540
#1	54.18383	55.08548	192.3718	165.8172
#2	53.66223	55.60010	192.2462	166.8571
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	993	--	--	--	--	--	--
SDev	10.08292	--	--	--	--	--	--
%RSD	1.015133	--	--	--	--	--	--
#1	1000	--	--	--	--	--	--
#2	986	--	--	--	--	--	--

Method: 2PTTR2
Mode: Concentration
Standards Table: 2PTONLY
Data File: DD101310

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
Ag	328.068	10/13/10 11:13	Linear	1.000000
Al	308.215	10/13/10 11:13	Linear	1.000000
2Al	308.215	10/13/10 11:13	Linear	1.000000
As	189.042/2	10/13/10 11:13	Linear	1.000000
B	249.678/2	10/13/10 11:13	Linear	1.000000
Ba	493.409	10/13/10 11:13	Linear	1.000000
Be	313.042	10/13/10 11:13	Linear	1.000000
Ca	317.933	10/13/10 11:13	Linear	1.000000
Cd	226.502/2	10/13/10 11:13	Linear	1.000000
Co	228.616	10/13/10 11:13	Linear	1.000000
Cr	267.716	10/13/10 11:13	Linear	1.000000
Cu	324.753	10/13/10 11:13	Linear	1.000000
Fe	271.441	10/13/10 11:13	Linear	1.000000
2Fe	271.441	10/13/10 11:13	Linear	1.000000
K	766.491	10/13/10 11:13	Linear	1.000000
Mg	279.078	10/13/10 11:13	Linear	1.000000
2Mg	279.078	10/13/10 11:13	Linear	1.000000
Mn	257.610	10/13/10 11:13	Linear	1.000000
Mo	202.030/2	10/13/10 11:13	Linear	1.000000
Na	330.231	10/13/10 11:13	Linear	1.000000
Ni	231.604/2	10/13/10 11:13	Linear	1.000000
Sb	206.838/2	10/13/10 11:13	Linear	1.000000
Sn	189.989	10/13/10 11:13	Linear	1.000000
Sr	421.542	10/13/10 11:13	Linear	1.000000
Ti	334.941	10/13/10 11:13	Linear	1.000000
Tl	190.864/2	10/13/10 11:13	Linear	1.000000
V	292.402	10/13/10 11:13	Linear	1.000000
Zn	206.200	10/13/10 11:13	Linear	1.000000
2203/1	220.351	10/13/10 11:13	Linear	1.000000
2203/2	220.352/2	10/13/10 11:13	Linear	1.000000

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
1960/1	196.021	10/13/10 11:13	Linear	1.000000
1960/2	196.022/2	10/13/10 11:13	Linear	1.000000

Element:	Ag	Al	2Al	As	B
Wavelength:	328.068	308.215	308.215	189.042/2	249.678/2
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	04/27/99	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	16:03	STDIZED
Offset (A0):	.016003	.635696	.635696	.044416	.086479
Gain (A1):	.01868	.004968	4.96751	.040577	.020244
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10
Time of Fit:	11:13	11:13	11:13	11:13	11:13

Element:	Ba	Be	Ca	Cd	Co
Wavelength:	493.409	313.042	317.933	226.502/2	228.616
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	.008993	-.047021	.086025	.011483	-.001026
Gain (A1):	.075361	.122707	.001649	.072262	.032851
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10
Time of Fit:	11:13	11:13	11:13	11:13	11:13

Element:	Cr	Cu	Fe	2Fe	K
Wavelength:	267.716	324.753	271.441	271.441	766.491
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1

Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.004508	.174537	.01798	.01798	.272986
Gain (A1):	.022803	.0261	.000804	.804403	.002813
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10
Time of Fit:	11:13	11:13	11:13	11:13	11:13

Element:	Mg	2Mg	Mn	Mo	Na
Wavelength:	279.078	279.078	257.610	202.030/2	330.231
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.002001	-.002001	.005998	.030495	.020002
Gain (A1):	.000314	.314315	.075513	.011812	.000075
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10
Time of Fit:	11:13	11:13	11:13	11:13	11:13

Element:	Ni	Sm	Sm	Sb	Sn
Wavelength:	231.604/2	220.353	196.026	206.838/2	189.989
Y - intercept:	0	0	0	0	0
Slope:	1	0	0	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.028522	0	0	.109381	.096532
Gain (A1):	.048933	1	1	.016464	.019686
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	10/13/10	NO FIT	NO FIT	10/13/10	10/13/10
Time of Fit:	11:13			11:13	11:13

Element:	Sr	Ti	Tl	V	Zn
Wavelength:	421.542	334.941	190.864/2	292.402	206.200
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	04/27/99	NOT	NOT
Time Standardized:	STDIZED	STDIZED	16:03	STDIZED	STDIZED
Offset (A0):	.003999	.007493	-.089209	.028482	.005006
Gain (A1):	.142968	.042167	.015521	.017964	.014762
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10
Time of Fit:	11:13	11:13	11:13	11:13	11:13

Element:	Pb	Pb	Se	Se
Wavelength:	220.351	220.352/2	196.021	196.022/2
Y - intercept:	0	0	0	0
Slope:	1	1	1	1
Date Standardized:	04/27/99	04/27/99	04/27/99	04/27/99
Time Standardized:	16:03	16:03	16:03	16:03
Offset (A0):	.148781	-.220175	.001058	-.009589
Gain (A1):	.053348	.055802	.019223	.016633
Curvature (A2):	0	0	0	0
Exponent (n):	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE
Date of Fit:	10/13/10	10/13/10	10/13/10	10/13/10
Time of Fit:	11:13	11:13	11:13	11:13

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
HIGH STD 00034	Ag	1002.84814	1006.39831	999.29797	0.50064	ug/L	10/13/10	11:13	
HIGH STD 00034	Al	9964.76464	9983.51269	9946.01660	0.26607	ug/L	10/13/10	11:13	
HIGH STD 00034	2Al	9.96387	9.98271	9.94502	0.26750	mg/L	10/13/10	11:13	
HIGH STD 00034	As	1008.28790	1008.17498	1008.40081	0.01583	ug/L	10/13/10	11:13	
HIGH STD 00034	B	10066.76953	10065.69726	10067.84082	0.01505	ug/L	10/13/10	11:13	
HIGH STD 00034	Ba	9960.96093	9965.80175	9956.11914	0.06873	ug/L	10/13/10	11:13	
HIGH STD 00034	Be	1013.37280	1013.15185	1013.59368	0.03083	ug/L	10/13/10	11:13	
HIGH STD 00034	Ca	10139.42578	10143.35937	10135.49316	0.05485	ug/L	10/13/10	11:13	
HIGH STD 00034	Cd	1016.76477	1017.17785	1016.35162	0.05746	ug/L	10/13/10	11:13	
HIGH STD 00034	Co	1011.38757	1010.80432	1011.97076	0.08155	ug/L	10/13/10	11:13	
HIGH STD 00034	Cr	10118.90429	10115.95703	10121.85058	0.04118	ug/L	10/13/10	11:13	
HIGH STD 00034	Cu	9955.63867	9969.11035	9942.16699	0.19136	ug/L	10/13/10	11:13	
HIGH STD 00034	Fe	10171.10351	10186.92089	10155.28613	0.21992	ug/L	10/13/10	11:13	
HIGH STD 00034	2Fe	10.16985	10.18567	10.15404	0.21992	mg/L	10/13/10	11:13	
HIGH STD 00034	K	20013.67187	20095.78906	19931.55664	0.58025	ug/L	10/13/10	11:13	
HIGH STD 00034	Mg	10175.27246	10173.81835	10176.72656	0.02020	ug/L	10/13/10	11:13	
HIGH STD 00034	2Mg	10.17523	10.17378	10.17669	0.02021	mg/L	10/13/10	11:13	
HIGH STD 00034	Mn	10096.44238	10101.31542	10091.56933	0.06825	ug/L	10/13/10	11:13	
HIGH STD 00034	Mo	1016.28198	1016.36474	1016.19915	0.01152	ug/L	10/13/10	11:13	
HIGH STD 00034	Na	15356.54101	15470.47949	15242.60253	1.04928	ug/L	10/13/10	11:13	
HIGH STD 00034	Ni	5059.49902	5059.94384	5059.05419	0.01243	ug/L	10/13/10	11:13	
HIGH STD 00034	Pb	1010.30346	1008.97869	1011.62817	0.18543	ug/L	10/13/10	11:13	
HIGH STD 00034	Se	10081.04687	10052.78710	10109.30664	0.39644	ug/L	10/13/10	11:13	
HIGH STD 00034	Sb	1017.46398	1024.56018	1010.36785	0.98632	ug/L	10/13/10	11:13	
HIGH STD 00034	Sn	10170.22265	10163.76953	10176.67480	0.08972	ug/L	10/13/10	11:13	
HIGH STD 00034	Sr	4981.78125	4980.39013	4983.17236	0.03949	ug/L	10/13/10	11:13	
HIGH STD 00034	Ti	1004.75366	1005.31665	1004.19067	0.07924	ug/L	10/13/10	11:13	
HIGH STD 00034	Tl	10123.23046	10135.97851	10110.48339	0.17808	ug/L	10/13/10	11:13	
HIGH STD 00034	V	10071.36328	10074.39648	10068.33007	0.04259	ug/L	10/13/10	11:13	
HIGH STD 00034	Zn	5099.85595	5098.88867	5100.82324	0.02682	ug/L	10/13/10	11:13	
HIGH STD 00034	2203/1	1040.17138	1050.30651	1030.03613	1.37797	ug/L	10/13/10	11:13	
HIGH STD 00034	2203/2	995.39184	988.34576	1002.43798	1.00108	ug/L	10/13/10	11:13	
HIGH STD 00034	1960/1	10179.97851	10217.74609	10142.20996	0.52467	ug/L	10/13/10	11:13	
HIGH STD 00034	1960/2	10031.65527	9970.43066	10092.87988	0.86311	ug/L	10/13/10	11:13	
HIGH STD 00034	Y	1008.72387	1007.76940	1009.67840	0.13381		10/13/10	11:13	
ICVP 00190	Ag	989.68243	989.33129	990.03356	0.05017	ug/L	10/13/10	11:20	
ICVP 00190	Al	998.43566	1006.19219	990.67913	1.09865	ug/L	10/13/10	11:20	
ICVP 00190	2Al	0.99845	1.00621	0.99069	1.09866	mg/L	10/13/10	11:20	
ICVP 00190	As	1030.51208	1029.86474	1031.15942	0.08883	ug/L	10/13/10	11:20	
ICVP 00190	B	1035.86499	1038.65930	1033.07067	0.38149	ug/L	10/13/10	11:20	
ICVP 00190	Ba	1008.49847	1009.34729	1007.64965	0.11902	ug/L	10/13/10	11:20	
ICVP 00190	Be	1036.11462	1037.54138	1034.68786	0.19474	ug/L	10/13/10	11:20	
ICVP 00190	Ca	1033.18469	1035.39941	1030.96997	0.30314	ug/L	10/13/10	11:20	
ICVP 00190	Cd	1052.50073	1054.01049	1050.99096	0.20286	ug/L	10/13/10	11:20	
ICVP 00190	Co	1038.01489	1039.70874	1036.32116	0.23076	ug/L	10/13/10	11:20	
ICVP 00190	Cr	1042.96142	1043.84228	1042.08056	0.11944	ug/L	10/13/10	11:20	
ICVP 00190	Cu	1001.43829	1003.47662	999.39996	0.28784	ug/L	10/13/10	11:20	
ICVP 00190	Fe	1007.09106	984.26214	1029.91992	3.20576	ug/L	10/13/10	11:20	
ICVP 00190	2Fe	1.00739	0.98456	1.03021	3.20430	mg/L	10/13/10	11:20	
ICVP 00190	K	19457.91796	19473.78710	19442.05078	0.11533	ug/L	10/13/10	11:20	
ICVP 00190	Mg	1062.83496	1069.00915	1056.66088	0.82153	ug/L	10/13/10	11:20	
ICVP 00190	2Mg	1.06283	1.06901	1.05665	0.82192	mg/L	10/13/10	11:20	
ICVP 00190	Mn	1036.95861	1038.44836	1035.46887	0.20317	ug/L	10/13/10	11:20	
ICVP 00190	Mo	1043.90283	1044.11828	1043.68737	0.02918	ug/L	10/13/10	11:20	
ICVP 00190	Na	9628.42968	9654.31445	9602.54589	0.38018	ug/L	10/13/10	11:20	
ICVP 00190	Ni	1042.75805	1044.60449	1040.91162	0.25041	ug/L	10/13/10	11:20	
ICVP 00190	Pb	1042.37963	1047.61389	1037.14550	0.71013	ug/L	10/13/10	11:20	
ICVP 00190	Se	1038.42126	1042.00170	1034.84082	0.48761	ug/L	10/13/10	11:20	
ICVP 00190	Sb	978.93029	977.27087	980.58972	0.23972	ug/L	10/13/10	11:20	
ICVP 00190	Sn	1045.22351	1043.98754	1046.45947	0.16722	ug/L	10/13/10	11:20	
ICVP 00190	Sr	1025.72314	1025.66564	1025.78063	0.00792	ug/L	10/13/10	11:20	
ICVP 00190	Ti	998.96411	1000.77435	997.15393	0.25626	ug/L	10/13/10	11:20	
ICVP 00190	Tl	1037.59912	1030.68200	1044.51635	0.94278	ug/L	10/13/10	11:20	
ICVP 00190	V	1007.68524	1008.87145	1006.49902	0.16647	ug/L	10/13/10	11:20	
ICVP 00190	Zn	1061.47546	1063.42224	1059.52868	0.25937	ug/L	10/13/10	11:20	
ICVP 00190	2203/1	1045.31347	1035.32434	1055.30273	1.35144	ug/L	10/13/10	11:20	
ICVP 00190	2203/2	1040.91503	1053.74951	1028.08056	1.74372	ug/L	10/13/10	11:20	
ICVP 00190	1960/1	1042.94458	1028.72497	1057.16418	1.92815	ug/L	10/13/10	11:20	
ICVP 00190	1960/2	1036.16296	1048.63012	1023.69586	1.70158	ug/L	10/13/10	11:20	
ICVP 00190	Y	1030.47814	1032.00537	1028.95092	0.20959		10/13/10	11:20	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICVP 00190	Ag	987.17376	986.48632	987.86120	0.09848	ug/L	10/13/10	11:24	
ICVP 00190	Al	997.47326	996.91271	998.03387	0.07947	ug/L	10/13/10	11:24	
ICVP 00190	2Al	0.99729	0.99673	0.99785	0.07953	mg/L	10/13/10	11:24	
ICVP 00190	As	1033.64062	1033.11193	1034.16918	0.07232	ug/L	10/13/10	11:24	
ICVP 00190	B	1019.75256	1017.17742	1022.32763	0.35712	ug/L	10/13/10	11:24	
ICVP 00190	Ba	1009.37219	1010.20397	1008.54034	0.11654	ug/L	10/13/10	11:24	
ICVP 00190	Be	1033.86047	1032.84338	1034.87756	0.13912	ug/L	10/13/10	11:24	
ICVP 00190	Ca	1030.89428	1030.12145	1031.66699	0.10601	ug/L	10/13/10	11:24	
ICVP 00190	Cd	1052.49072	1051.67126	1053.31005	0.11010	ug/L	10/13/10	11:24	
ICVP 00190	Co	1037.26855	1036.86193	1037.67504	0.05542	ug/L	10/13/10	11:24	
ICVP 00190	Cr	1041.18750	1041.13024	1041.24475	0.00777	ug/L	10/13/10	11:24	
ICVP 00190	Cu	1002.34924	1002.22186	1002.47656	0.01796	ug/L	10/13/10	11:24	
ICVP 00190	Fe	1006.89782	1001.27319	1012.52239	0.78998	ug/L	10/13/10	11:24	
ICVP 00190	2Fe	1.00719	1.00157	1.01282	0.78967	mg/L	10/13/10	11:24	
ICVP 00190	K	19502.11328	19522.86328	19481.36328	0.15047	ug/L	10/13/10	11:24	
ICVP 00190	Mg	1061.29003	1053.56542	1069.01477	1.02934	ug/L	10/13/10	11:24	
ICVP 00190	2Mg	1.06128	1.05356	1.06900	1.02898	mg/L	10/13/10	11:24	
ICVP 00190	Mn	1034.64526	1033.61853	1035.67211	0.14034	ug/L	10/13/10	11:24	
ICVP 00190	Mo	1043.95703	1044.12670	1043.78747	0.02297	ug/L	10/13/10	11:24	
ICVP 00190	Na	9878.09082	10053.29589	9702.88574	2.50835	ug/L	10/13/10	11:24	
ICVP 00190	Ni	1040.89746	1038.54968	1043.24523	0.31898	ug/L	10/13/10	11:24	
ICVP 00190	Pb	1042.41088	1042.06372	1042.75805	0.04709	ug/L	10/13/10	11:24	
ICVP 00190	Se	1032.62878	1032.56286	1032.69470	0.00902	ug/L	10/13/10	11:24	
ICVP 00190	Sb	976.62976	970.82427	982.43530	0.84066	ug/L	10/13/10	11:24	
ICVP 00190	Sn	1041.60241	1034.97827	1048.22656	0.89937	ug/L	10/13/10	11:24	
ICVP 00190	Sr	1025.91918	1026.15515	1025.68334	0.03251	ug/L	10/13/10	11:24	
ICVP 00190	Ti	997.92730	997.74902	998.10559	0.02526	ug/L	10/13/10	11:24	
ICVP 00190	Tl	1026.36401	1031.35314	1021.37475	0.68745	ug/L	10/13/10	11:24	
ICVP 00190	V	1005.71142	1004.77355	1006.64923	0.13187	ug/L	10/13/10	11:24	
ICVP 00190	Zn	1060.73278	1058.70068	1062.76489	0.27092	ug/L	10/13/10	11:24	
ICVP 00190	2203/1	1032.97045	1030.19812	1035.74267	0.37954	ug/L	10/13/10	11:24	
ICVP 00190	2203/2	1047.12402	1047.98754	1046.26049	0.11662	ug/L	10/13/10	11:24	
ICVP 00190	1960/1	1023.18615	1022.18304	1024.18920	0.13864	ug/L	10/13/10	11:24	
ICVP 00190	1960/2	1037.34301	1037.74499	1036.94104	0.05480	ug/L	10/13/10	11:24	
ICVP 00190	Y	1033.49938	1031.99707	1035.00170	0.20557		10/13/10	11:24	
ICB	Ag	-2.18777	-3.04919	-1.32634	55.68386	ug/L	10/13/10	11:32	
ICB	Al	-0.03633	-1.46892	1.39625	5576.38964	ug/L	10/13/10	11:32	
ICB	2Al	-0.00003	-0.00146	0.00139	5580.96777	mg/L	10/13/10	11:32	
ICB	As	-1.82615	-3.42463	-0.22766	123.79051	ug/L	10/13/10	11:32	
ICB	B	4.87295	4.72749	5.01840	4.22145	ug/L	10/13/10	11:32	
ICB	Ba	-0.02878	-0.13227	0.07470	508.41665	ug/L	10/13/10	11:32	
ICB	Be	0.48638	0.47054	0.50222	4.60500	ug/L	10/13/10	11:32	
ICB	Ca	-2.80058	-3.68025	-1.92090	44.42105	ug/L	10/13/10	11:32	
ICB	Cd	-0.27042	-0.30286	-0.23798	16.96507	ug/L	10/13/10	11:32	
ICB	Co	0.94493	1.12405	0.76581	26.80727	ug/L	10/13/10	11:32	
ICB	Cr	0.92383	0.79547	1.05218	19.64875	ug/L	10/13/10	11:32	
ICB	Cu	0.13055	0.18774	0.07337	61.94151	ug/L	10/13/10	11:32	
ICB	Fe	-52.79486	-74.65037	-30.93936	58.54423	ug/L	10/13/10	11:32	
ICB	2Fe	-0.05278	-0.07464	-0.03093	58.54428	mg/L	10/13/10	11:32	
ICB	K	-89.60413	-123.74549	-55.46276	53.88499	ug/L	10/13/10	11:32	
ICB	Mg	7.91442	9.46197	6.36687	27.65287	ug/L	10/13/10	11:32	
ICB	2Mg	0.00792	0.00947	0.00637	27.68766	mg/L	10/13/10	11:32	
ICB	Mn	0.68190	0.64317	0.72063	8.03173	ug/L	10/13/10	11:32	
ICB	Mo	-2.37533	-2.08639	-2.66427	17.20282	ug/L	10/13/10	11:32	
ICB	Na	-675.86950	-864.47406	-487.26489	39.46430	ug/L	10/13/10	11:32	
ICB	Ni	-0.84888	-2.29359	0.59582	240.68434	ug/L	10/13/10	11:32	
ICB	Pb	1.58323	3.66352	-0.49704	185.81939	ug/L	10/13/10	11:32	
ICB	Se	-9.58882	-7.67883	-11.49880	28.16953	ug/L	10/13/10	11:32	
ICB	Sb	-11.86140	-11.70864	-12.01416	1.82135	ug/L	10/13/10	11:32	
ICB	Sn	-9.94899	-13.24322	-6.65475	46.82637	ug/L	10/13/10	11:32	
ICB	Sr	0.63011	0.59272	0.66751	8.39309	ug/L	10/13/10	11:32	
ICB	Ti	0.51591	0.40041	0.63140	31.66062	ug/L	10/13/10	11:32	
ICB	Tl	-4.47083	-4.69723	-4.24444	7.16125	ug/L	10/13/10	11:32	
ICB	V	-3.42745	-4.40524	-2.44966	40.34494	ug/L	10/13/10	11:32	
ICB	Zn	1.24739	1.31352	1.18126	7.49779	ug/L	10/13/10	11:32	
ICB	2203/1	-11.72319	-13.42208	-10.02430	20.49434	ug/L	10/13/10	11:32	
ICB	2203/2	8.22648	12.19351	4.25944	68.19728	ug/L	10/13/10	11:32	
ICB	1960/1	-14.51181	-17.05095	-11.97266	24.74464	ug/L	10/13/10	11:32	
ICB	1960/2	-7.13101	-2.99980	-11.26222	81.92964	ug/L	10/13/10	11:32	
ICB	Y	1025.64758	1025.47326	1025.82189	0.02403		10/13/10	11:32	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICVP 00190	Ag	985.81262	988.14984	983.47534	0.33529	ug/L	10/13/10	11:36	
ICVP 00190	Al	999.08605	1005.11120	993.06097	0.85285	ug/L	10/13/10	11:36	
ICVP 00190	2Al	0.99910	1.00513	0.99308	0.85286	mg/L	10/13/10	11:36	
ICVP 00190	As	1028.40893	1029.64721	1027.17053	0.17029	ug/L	10/13/10	11:36	
ICVP 00190	B	1012.71228	1014.23400	1011.19061	0.21249	ug/L	10/13/10	11:36	
ICVP 00190	Ba	1013.40527	1015.40997	1011.40051	0.27976	ug/L	10/13/10	11:36	
ICVP 00190	Be	1026.09912	1029.06884	1023.12927	0.40930	ug/L	10/13/10	11:36	
ICVP 00190	Ca	1021.71179	1024.48986	1018.93371	0.38453	ug/L	10/13/10	11:36	
ICVP 00190	Cd	1040.82043	1041.44091	1040.19995	0.08430	ug/L	10/13/10	11:36	
ICVP 00190	Co	1030.59936	1032.23559	1028.96313	0.22452	ug/L	10/13/10	11:36	
ICVP 00190	Cr	1035.76879	1039.40893	1032.12854	0.49702	ug/L	10/13/10	11:36	
ICVP 00190	Cu	1005.99438	1009.36352	1002.62518	0.47363	ug/L	10/13/10	11:36	
ICVP 00190	Fe	982.89477	988.59442	977.19519	0.82007	ug/L	10/13/10	11:36	
ICVP 00190	2Fe	0.98319	0.98889	0.97749	0.81982	mg/L	10/13/10	11:36	
ICVP 00190	K	19500.82226	19518.05664	19483.58789	0.12498	ug/L	10/13/10	11:36	
ICVP 00190	Mg	1045.30041	1048.55712	1042.04370	0.44060	ug/L	10/13/10	11:36	
ICVP 00190	2Mg	1.04530	1.04855	1.04204	0.44049	mg/L	10/13/10	11:36	
ICVP 00190	Mn	1028.34436	1030.61914	1026.06958	0.31283	ug/L	10/13/10	11:36	
ICVP 00190	Mo	1037.21325	1038.69250	1035.73400	0.20169	ug/L	10/13/10	11:36	
ICVP 00190	Na	9494.46679	9622.75000	9366.18359	1.91079	ug/L	10/13/10	11:36	
ICVP 00190	Ni	1030.86511	1032.97521	1028.75500	0.28947	ug/L	10/13/10	11:36	
ICVP 00190	Pb	1022.90026	1013.21246	1032.58801	1.33938	ug/L	10/13/10	11:36	
ICVP 00190	Se	1020.18005	1012.41143	1027.94860	1.07691	ug/L	10/13/10	11:36	
ICVP 00190	Sb	973.00732	971.46643	974.54815	0.22395	ug/L	10/13/10	11:36	
ICVP 00190	Sn	1025.92822	1029.20922	1022.64721	0.45227	ug/L	10/13/10	11:36	
ICVP 00190	Sr	1032.15307	1032.96459	1031.34167	0.11118	ug/L	10/13/10	11:36	
ICVP 00190	Ti	995.39227	997.56500	993.21954	0.30869	ug/L	10/13/10	11:36	
ICVP 00190	Tl	1015.71899	1022.61425	1008.82366	0.96005	ug/L	10/13/10	11:36	
ICVP 00190	V	999.32653	1001.65515	996.99786	0.32954	ug/L	10/13/10	11:36	
ICVP 00190	Zn	1044.04980	1046.79882	1041.30065	0.37237	ug/L	10/13/10	11:36	
ICVP 00190	2203/1	1014.63391	1013.81671	1015.45104	0.11389	ug/L	10/13/10	11:36	
ICVP 00190	2203/2	1027.02722	1012.91076	1041.14367	1.94383	ug/L	10/13/10	11:36	
ICVP 00190	1960/1	1017.70373	1024.06774	1011.33966	0.88435	ug/L	10/13/10	11:36	
ICVP 00190	1960/2	1021.41632	1006.59204	1036.24060	2.05251	ug/L	10/13/10	11:36	
ICVP 00190	Y	1018.62994	1015.43029	1021.82958	0.44422		10/13/10	11:36	
ICB	Ag	0.85430	0.75026	0.95834	17.22256	ug/L	10/13/10	11:41	
ICB	Al	10.63951	6.14069	15.13833	59.79866	ug/L	10/13/10	11:41	
ICB	2Al	0.01063	0.00614	0.01513	59.79857	mg/L	10/13/10	11:41	
ICB	As	1.45054	1.38818	1.51290	6.07947	ug/L	10/13/10	11:41	
ICB	B	2.45113	1.46893	3.43334	56.66963	ug/L	10/13/10	11:41	
ICB	Ba	0.18267	0.22759	0.13775	34.77575	ug/L	10/13/10	11:41	
ICB	Be	0.06744	0.09130	0.04357	50.04203	ug/L	10/13/10	11:41	
ICB	Ca	6.56456	10.07616	3.05297	75.65077	ug/L	10/13/10	11:41	
ICB	Cd	-0.05879	-0.03868	-0.07889	48.36467	ug/L	10/13/10	11:41	
ICB	Co	0.72222	-0.61540	2.05984	261.92535	ug/L	10/13/10	11:41	
ICB	Cr	0.94135	0.07034	1.81236	130.85345	ug/L	10/13/10	11:41	
ICB	Cu	-0.19301	-1.08524	0.69921	653.74108	ug/L	10/13/10	11:41	
ICB	Fe	7.11021	6.58685	7.63357	10.40957	ug/L	10/13/10	11:41	
ICB	2Fe	0.00710	0.00658	0.00763	10.41901	mg/L	10/13/10	11:41	
ICB	K	3.32172	-2.72417	9.36761	257.40228	ug/L	10/13/10	11:41	
ICB	Mg	12.53582	9.45217	15.61947	34.78776	ug/L	10/13/10	11:41	
ICB	2Mg	0.01253	0.00944	0.01561	34.78980	mg/L	10/13/10	11:41	
ICB	Mn	0.33743	0.33087	0.34399	2.75013	ug/L	10/13/10	11:41	
ICB	Mo	-0.20415	1.43531	-1.84362	1135.67907	ug/L	10/13/10	11:41	
ICB	Na	95.33184	56.47751	134.18618	57.63900	ug/L	10/13/10	11:41	
ICB	Ni	0.80444	0.82447	0.78440	3.52247	ug/L	10/13/10	11:41	
ICB	Pb	0.40974	0.40807	0.41141	0.57694	ug/L	10/13/10	11:41	
ICB	Se	-0.03294	-4.60317	4.53729	19620.75195	ug/L	10/13/10	11:41	
ICB	Sb	6.64187	7.13804	6.14570	10.56470	ug/L	10/13/10	11:41	
ICB	Sn	0.05133	-1.10519	1.20785	3186.24609	ug/L	10/13/10	11:41	
ICB	Sr	0.11768	0.07362	0.16174	52.94996	ug/L	10/13/10	11:41	
ICB	Ti	0.83299	0.69500	0.97098	23.42671	ug/L	10/13/10	11:41	
ICB	Tl	4.94324	4.75014	5.13634	5.52434	ug/L	10/13/10	11:41	
ICB	V	0.87392	0.14054	1.60730	118.67810	ug/L	10/13/10	11:41	
ICB	Zn	0.54813	-0.14219	1.23845	178.10870	ug/L	10/13/10	11:41	
ICB	2203/1	1.50760	2.14458	0.87063	59.75162	ug/L	10/13/10	11:41	
ICB	2203/2	-0.13835	-0.45887	0.18215	327.61334	ug/L	10/13/10	11:41	
ICB	1960/1	1.83463	0.29763	3.37163	118.47843	ug/L	10/13/10	11:41	
ICB	1960/2	-0.96532	-7.04991	5.11925	891.39501	ug/L	10/13/10	11:41	
ICB	Y	1032.49511	1032.70263	1032.28759	0.02842		10/13/10	11:41	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP 00045	Ag	8.98078	10.83975	7.12181	29.27338	ug/L	10/13/10	11:45	
RL ICP 00045	Al	206.83847	206.49664	207.18031	0.23372	ug/L	10/13/10	11:45	
RL ICP 00045	2Al	0.20684	0.20650	0.20718	0.23373	mg/L	10/13/10	11:45	
RL ICP 00045	As	18.84589	21.55065	16.14113	20.29673	ug/L	10/13/10	11:45	
RL ICP 00045	B	102.09947	101.95455	102.24440	0.20073	ug/L	10/13/10	11:45	
RL ICP 00045	Ba	9.93996	10.18783	9.69208	3.52663	ug/L	10/13/10	11:45	
RL ICP 00045	Be	4.02914	4.09393	3.96436	2.27403	ug/L	10/13/10	11:45	
RL ICP 00045	Ca	517.81665	519.18701	516.44635	0.37425	ug/L	10/13/10	11:45	
RL ICP 00045	Cd	4.98794	5.19291	4.78297	5.81143	ug/L	10/13/10	11:45	
RL ICP 00045	Co	9.94820	9.87841	10.01800	0.99219	ug/L	10/13/10	11:45	
RL ICP 00045	Cr	10.50604	10.37218	10.63989	1.80180	ug/L	10/13/10	11:45	
RL ICP 00045	Cu	19.60430	19.64325	19.56535	0.28099	ug/L	10/13/10	11:45	
RL ICP 00045	Fe	30.99604	53.66333	8.32875	103.42089	ug/L	10/13/10	11:45	
RL ICP 00045	2Fe	0.03099	0.05366	0.00833	103.40789	mg/L	10/13/10	11:45	
RL ICP 00045	K	949.07727	973.32659	924.82800	3.61337	ug/L	10/13/10	11:45	
RL ICP 00045	Mg	530.14453	530.25360	530.03552	0.02908	ug/L	10/13/10	11:45	
RL ICP 00045	2Mg	0.52999	0.53009	0.52988	0.02801	mg/L	10/13/10	11:45	
RL ICP 00045	Mn	10.27747	10.25562	10.29931	0.30061	ug/L	10/13/10	11:45	
RL ICP 00045	Mo	8.97907	9.47861	8.47952	7.86788	ug/L	10/13/10	11:45	
RL ICP 00045	Na	754.10852	828.45440	679.76263	13.94241	ug/L	10/13/10	11:45	
RL ICP 00045	Ni	41.40443	42.54840	40.26045	3.90738	ug/L	10/13/10	11:45	
RL ICP 00045	Pb	11.91681	11.19317	12.64046	8.58773	ug/L	10/13/10	11:45	
RL ICP 00045	Se	20.84973	22.19389	19.50556	9.11731	ug/L	10/13/10	11:45	
RL ICP 00045	Sb	10.85355	16.02975	5.67735	67.44568	ug/L	10/13/10	11:45	
RL ICP 00045	Sn	47.63598	52.86879	42.40317	15.53513	ug/L	10/13/10	11:45	
RL ICP 00045	Sr	10.43572	10.46114	10.41029	0.34452	ug/L	10/13/10	11:45	
RL ICP 00045	Ti	9.64597	9.52761	9.76434	1.73540	ug/L	10/13/10	11:45	
RL ICP 00045	Tl	25.40430	28.52622	22.28237	17.37920	ug/L	10/13/10	11:45	
RL ICP 00045	V	8.11293	8.65060	7.57525	9.37254	ug/L	10/13/10	11:45	
RL ICP 00045	Zn	21.74164	21.91001	21.57328	1.09516	ug/L	10/13/10	11:45	
RL ICP 00045	2203/1	8.03387	16.34294	-0.27519	146.26556	ug/L	10/13/10	11:45	
RL ICP 00045	2203/2	13.85537	8.62215	19.08860	53.41536	ug/L	10/13/10	11:45	
RL ICP 00045	1960/1	18.25617	31.18572	5.32663	100.15863	ug/L	10/13/10	11:45	
RL ICP 00045	1960/2	22.14455	17.70469	26.58440	28.35416	ug/L	10/13/10	11:45	
RL ICP 00045	Y	1036.10559	1038.93591	1033.27526	0.38631		10/13/10	11:45	
ICSA61 00022	Ag	-1.68568	-1.93887	-1.43248	21.24185	ug/L	10/13/10	12:01	
ICSA61 00022	Al	507759.18750	506594.65625	508923.68750	0.32434	ug/L	10/13/10	12:01	
ICSA61 00022	2Al	507.74291	506.57595	508.90991	0.32503	mg/L	10/13/10	12:01	
ICSA61 00022	As	-2.15494	-1.05356	-3.25631	72.27930	ug/L	10/13/10	12:01	
ICSA61 00022	B	13.01028	14.33084	11.68972	14.35446	ug/L	10/13/10	12:01	
ICSA61 00022	Ba	0.40008	0.16303	0.63713	83.79096	ug/L	10/13/10	12:01	
ICSA61 00022	Be	-0.02640	-0.06768	0.01488	221.14637	ug/L	10/13/10	12:01	
ICSA61 00022	Ca	548493.50000	549747.50000	547239.50000	0.32332	ug/L	10/13/10	12:01	
ICSA61 00022	Cd	0.79280	1.15911	0.42650	65.34147	ug/L	10/13/10	12:01	
ICSA61 00022	Co	-0.43753	0.96630	-1.84136	453.75454	ug/L	10/13/10	12:01	
ICSA61 00022	Cr	1.43332	2.76330	0.10333	131.22514	ug/L	10/13/10	12:01	
ICSA61 00022	Cu	-0.83079	0.17365	-1.83524	170.98207	ug/L	10/13/10	12:01	
ICSA61 00022	Fe	202344.34375	202511.85937	202176.84375	0.11707	ug/L	10/13/10	12:01	
ICSA61 00022	2Fe	202.30673	202.47294	202.14050	0.11619	mg/L	10/13/10	12:01	
ICSA61 00022	K	-88.18115	-110.66820	-65.69409	36.06383	ug/L	10/13/10	12:01	
ICSA61 00022	Mg	545493.87500	546561.81250	544426.00000	0.27685	ug/L	10/13/10	12:01	
ICSA61 00022	2Mg	545.27197	546.33807	544.20593	0.27649	mg/L	10/13/10	12:01	
ICSA61 00022	Mn	-1.20921	-0.95907	-1.45935	29.25468	ug/L	10/13/10	12:01	
ICSA61 00022	Mo	-1.54436	-0.78017	-2.30855	69.97860	ug/L	10/13/10	12:01	
ICSA61 00022	Na	-813.94110	-1074.63586	-553.24633	45.29542	ug/L	10/13/10	12:01	
ICSA61 00022	Ni	-2.26184	-3.21342	-1.31026	59.49744	ug/L	10/13/10	12:01	
ICSA61 00022	Pb	-0.61649	-0.43883	-0.79415	40.75431	ug/L	10/13/10	12:01	
ICSA61 00022	Se	-6.64514	-6.09326	-7.19702	11.74509	ug/L	10/13/10	12:01	
ICSA61 00022	Sb	-13.52480	-22.30883	-4.74077	91.84967	ug/L	10/13/10	12:01	
ICSA61 00022	Sn	-15.33874	-19.74376	-10.93371	40.61378	ug/L	10/13/10	12:01	
ICSA61 00022	Sr	2.36990	2.42046	2.31934	3.01716	ug/L	10/13/10	12:01	
ICSA61 00022	Ti	0.87232	1.21762	0.52701	55.98099	ug/L	10/13/10	12:01	
ICSA61 00022	Tl	0.80792	-1.21423	2.83008	353.96585	ug/L	10/13/10	12:01	
ICSA61 00022	V	-1.65233	-3.16424	-0.14042	129.40246	ug/L	10/13/10	12:01	
ICSA61 00022	Zn	3.53517	4.42186	2.64849	35.47085	ug/L	10/13/10	12:01	
ICSA61 00022	2203/1	-0.74546	0.58376	-2.07470	252.16638	ug/L	10/13/10	12:01	
ICSA61 00022	2203/2	-0.55210	-0.94937	-0.15484	101.75818	ug/L	10/13/10	12:01	
ICSA61 00022	1960/1	-1.51857	-6.79994	3.76280	491.84341	ug/L	10/13/10	12:01	
ICSA61 00022	1960/2	-9.20459	-5.74045	-12.66872	53.22377	ug/L	10/13/10	12:01	
ICSA61 00022	Y	934.78332	939.86706	929.69958	0.76910		10/13/10	12:01	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB61	Ag	212.83908	213.96607	211.71209	0.74883	ug/L	10/13/10	12:05	
ICSAB61	Al	505569.93750	506112.34375	505027.50000	0.15172	ug/L	10/13/10	12:05	
ICSAB61	2Al	505.56411	506.12112	505.00711	0.15581	mg/L	10/13/10	12:05	
ICSAB61	As	99.27169	94.22091	104.32246	7.19527	ug/L	10/13/10	12:05	
ICSAB61	B	12.95283	14.61745	11.28821	18.17463	ug/L	10/13/10	12:05	
ICSAB61	Ba	526.28149	527.66656	524.89636	0.37220	ug/L	10/13/10	12:05	
ICSAB61	Be	534.67236	533.44427	535.90039	0.32482	ug/L	10/13/10	12:05	
ICSAB61	Ca	543122.50000	541240.62500	545004.37500	0.49001	ug/L	10/13/10	12:05	
ICSAB61	Cd	1026.63562	1024.05346	1029.21777	0.35569	ug/L	10/13/10	12:05	
ICSAB61	Co	500.54769	499.66180	501.43359	0.25029	ug/L	10/13/10	12:05	
ICSAB61	Cr	508.67327	507.72616	509.62042	0.26332	ug/L	10/13/10	12:05	
ICSAB61	Cu	533.73107	535.56054	531.90161	0.48474	ug/L	10/13/10	12:05	
ICSAB61	Fe	200816.64062	200265.93750	201367.34375	0.38782	ug/L	10/13/10	12:05	
ICSAB61	2Fe	200.78402	200.23939	201.32865	0.38360	mg/L	10/13/10	12:05	
ICSAB61	K	2.04978	8.74270	-4.64313	461.76644	ug/L	10/13/10	12:05	
ICSAB61	Mg	540071.62500	537612.68750	542530.62500	0.64389	ug/L	10/13/10	12:05	
ICSAB61	2Mg	539.86364	537.42248	542.30474	0.63947	mg/L	10/13/10	12:05	
ICSAB61	Mn	508.82757	507.82067	509.83447	0.27985	ug/L	10/13/10	12:05	
ICSAB61	Mo	1027.64758	1020.78692	1034.50817	0.94413	ug/L	10/13/10	12:05	
ICSAB61	Na	173.27861	75.35868	271.19854	79.91736	ug/L	10/13/10	12:05	
ICSAB61	Ni	997.68493	996.39825	998.97167	0.18239	ug/L	10/13/10	12:05	
ICSAB61	Pb	51.18651	50.34006	52.03297	2.33863	ug/L	10/13/10	12:05	
ICSAB61	Se	57.09372	51.50299	62.68445	13.84825	ug/L	10/13/10	12:05	
ICSAB61	Sb	612.29919	605.34735	619.25109	1.60565	ug/L	10/13/10	12:05	
ICSAB61	Sn	1019.67956	1014.29583	1025.06335	0.74668	ug/L	10/13/10	12:05	
ICSAB61	Sr	2.41168	2.34211	2.48125	4.07965	ug/L	10/13/10	12:05	
ICSAB61	Ti	1.01608	0.85548	1.17667	22.35154	ug/L	10/13/10	12:05	
ICSAB61	Tl	106.22233	103.20188	109.24277	4.02133	ug/L	10/13/10	12:05	
ICSAB61	V	512.35266	510.79461	513.91064	0.43004	ug/L	10/13/10	12:05	
ICSAB61	Zn	1038.14233	1033.10314	1043.18151	0.68646	ug/L	10/13/10	12:05	
ICSAB61	2203/1	48.25960	51.21579	45.30340	8.66291	ug/L	10/13/10	12:05	
ICSAB61	2203/2	52.64778	49.90285	55.39271	7.37336	ug/L	10/13/10	12:05	
ICSAB61	1960/1	52.17350	61.52747	42.81954	25.35483	ug/L	10/13/10	12:05	
ICSAB61	1960/2	59.55015	46.49827	72.60202	30.99595	ug/L	10/13/10	12:05	
ICSAB61	Y	925.90234	920.76879	931.03588	0.78409		10/13/10	12:05	
CCVP 00072	Ag	488.67382	489.92483	487.42282	0.36203	ug/L	10/13/10	12:13	
CCVP 00072	Al	4904.81005	4891.65820	4917.96191	0.37921	ug/L	10/13/10	12:13	
CCVP 00072	2Al	4.90461	4.89156	4.91766	0.37633	mg/L	10/13/10	12:13	
CCVP 00072	As	499.63519	503.55862	495.71173	1.11052	ug/L	10/13/10	12:13	
CCVP 00072	B	4991.85839	5008.86279	4974.85449	0.48173	ug/L	10/13/10	12:13	
CCVP 00072	Ba	4979.95947	4984.57617	4975.34277	0.13110	ug/L	10/13/10	12:13	
CCVP 00072	Be	504.88464	507.72656	502.04269	0.79604	ug/L	10/13/10	12:13	
CCVP 00072	Ca	5024.25000	5055.64648	4992.85302	0.88374	ug/L	10/13/10	12:13	
CCVP 00072	Cd	506.97393	510.39328	503.55462	0.95382	ug/L	10/13/10	12:13	
CCVP 00072	Co	504.13153	507.48544	500.77761	0.94085	ug/L	10/13/10	12:13	
CCVP 00072	Cr	5031.83105	5054.18115	5009.48144	0.62815	ug/L	10/13/10	12:13	
CCVP 00072	Cu	4909.80419	4917.35742	4902.25097	0.21756	ug/L	10/13/10	12:13	
CCVP 00072	Fe	4952.80322	4972.02197	4933.58447	0.54876	ug/L	10/13/10	12:13	
CCVP 00072	2Fe	4.95280	4.97202	4.93358	0.54877	mg/L	10/13/10	12:13	
CCVP 00072	K	9726.19335	9736.43945	9715.94628	0.14898	ug/L	10/13/10	12:13	
CCVP 00072	Mg	5048.60644	5085.20556	5012.00683	1.02521	ug/L	10/13/10	12:13	
CCVP 00072	2Mg	5.04861	5.08520	5.01201	1.02511	mg/L	10/13/10	12:13	
CCVP 00072	Mn	5023.31054	5045.55761	5001.06396	0.62631	ug/L	10/13/10	12:13	
CCVP 00072	Mo	500.38354	500.06112	500.70593	0.09111	ug/L	10/13/10	12:13	
CCVP 00072	Na	6758.54101	6879.31835	6637.76318	2.52725	ug/L	10/13/10	12:13	
CCVP 00072	Ni	2519.68212	2534.25073	2505.11328	0.81769	ug/L	10/13/10	12:13	
CCVP 00072	Pb	512.82885	511.78039	513.87725	0.28912	ug/L	10/13/10	12:13	
CCVP 00072	Se	5070.22363	5075.04443	5065.40234	0.13447	ug/L	10/13/10	12:13	
CCVP 00072	Sb	491.98849	495.61914	488.35784	1.04362	ug/L	10/13/10	12:13	
CCVP 00072	Sn	5021.98632	5052.25732	4991.71484	0.85245	ug/L	10/13/10	12:13	
CCVP 00072	Sr	2514.78295	2519.56665	2509.99926	0.26901	ug/L	10/13/10	12:13	
CCVP 00072	Ti	494.14114	494.94927	493.33300	0.23128	ug/L	10/13/10	12:13	
CCVP 00072	Tl	5031.75585	5063.56982	4999.94189	0.89415	ug/L	10/13/10	12:13	
CCVP 00072	V	4946.85351	4965.41748	4928.28955	0.53070	ug/L	10/13/10	12:13	
CCVP 00072	Zn	2550.30615	2572.16625	2528.44604	1.21220	ug/L	10/13/10	12:13	
CCVP 00072	2203/1	498.02337	505.27859	490.76812	2.06023	ug/L	10/13/10	12:13	
CCVP 00072	2203/2	520.22045	515.02642	525.41455	1.41199	ug/L	10/13/10	12:13	
CCVP 00072	1960/1	5001.24804	5018.03173	4984.46386	0.47460	ug/L	10/13/10	12:13	
CCVP 00072	1960/2	5104.65966	5103.50830	5105.81103	0.03189	ug/L	10/13/10	12:13	
CCVP 00072	Y	1028.72692	1038.72839	1018.72540	1.37492		10/13/10	12:13	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.85702	-0.22581	-1.48824	104.15949	ug/L	10/13/10	12:20	
CCB	Al	8.23510	4.29517	12.17502	67.66030	ug/L	10/13/10	12:20	
CCB	2Al	0.00823	0.00429	0.01217	67.66020	mg/L	10/13/10	12:20	
CCB	As	-0.89946	-3.22562	1.42669	365.73849	ug/L	10/13/10	12:20	
CCB	B	3.25026	2.81007	3.69045	19.15285	ug/L	10/13/10	12:20	
CCB	Ba	0.27193	0.08917	0.45468	95.04499	ug/L	10/13/10	12:20	
CCB	Be	0.00268	-0.03308	0.03844	1887.08947	ug/L	10/13/10	12:20	
CCB	Ca	2.35363	2.62214	2.08513	16.13363	ug/L	10/13/10	12:20	
CCB	Cd	-0.23960	-0.25356	-0.22563	8.24393	ug/L	10/13/10	12:20	
CCB	Co	-0.09383	-0.36039	0.17271	401.71881	ug/L	10/13/10	12:20	
CCB	Cr	0.43484	-0.10382	0.97351	175.18641	ug/L	10/13/10	12:20	
CCB	Cu	-0.36169	-0.89235	0.16897	207.48968	ug/L	10/13/10	12:20	
CCB	Fe	-14.42430	-7.68110	-21.16749	66.11283	ug/L	10/13/10	12:20	
CCB	2Fe	-0.01442	-0.00768	-0.02116	66.11200	mg/L	10/13/10	12:20	
CCB	K	-28.06236	-18.84270	-37.28201	46.46280	ug/L	10/13/10	12:20	
CCB	Mg	4.80630	3.24140	6.37119	46.04566	ug/L	10/13/10	12:20	
CCB	2Mg	0.00480	0.00324	0.00637	46.05953	mg/L	10/13/10	12:20	
CCB	Mn	0.61686	0.16762	1.06611	102.99310	ug/L	10/13/10	12:20	
CCB	Mo	-2.66548	-1.66716	-3.66380	52.96751	ug/L	10/13/10	12:20	
CCB	Na	-116.21145	-44.32764	-188.09526	87.47766	ug/L	10/13/10	12:20	
CCB	Ni	0.81241	0.22135	1.40346	102.88913	ug/L	10/13/10	12:20	
CCB	Pb	2.79125	2.75604	2.82646	1.78412	ug/L	10/13/10	12:20	
CCB	Se	-3.46055	-4.50075	-2.42035	42.50949	ug/L	10/13/10	12:20	
CCB	Sb	-2.95301	-0.46139	-5.44463	119.32483	ug/L	10/13/10	12:20	
CCB	Sn	-3.58583	-2.26017	-4.91150	52.28264	ug/L	10/13/10	12:20	
CCB	Sr	0.21612	0.01324	0.41901	132.75665	ug/L	10/13/10	12:20	
CCB	Ti	-0.22420	-0.38729	-0.06111	102.87265	ug/L	10/13/10	12:20	
CCB	Tl	0.96137	5.80772	-3.88496	712.90997	ug/L	10/13/10	12:20	
CCB	V	-0.73693	-0.27450	-1.19935	88.74176	ug/L	10/13/10	12:20	
CCB	Zn	0.62687	0.32604	0.92771	67.86751	ug/L	10/13/10	12:20	
CCB	2203/1	-3.01710	3.22893	-9.26313	292.77221	ug/L	10/13/10	12:20	
CCB	2203/2	5.69107	2.51994	8.86220	78.80152	ug/L	10/13/10	12:20	
CCB	1960/1	-5.22177	1.88635	-12.32990	192.50944	ug/L	10/13/10	12:20	
CCB	1960/2	-2.58126	-7.68951	2.52699	279.86944	ug/L	10/13/10	12:20	
CCB	Y	1017.69616	1018.25225	1017.14007	0.07727		10/13/10	12:20	
PBW 182692	Ag	-1.22730	-1.59792	-0.85668	42.70622	ug/L	10/13/10	12:25	
PBW 182692	Al	12.70231	16.41414	8.99048	41.32572	ug/L	10/13/10	12:25	
PBW 182692	2Al	0.01270	0.01641	0.00899	41.32582	mg/L	10/13/10	12:25	
PBW 182692	As	-1.00909	3.10112	-5.11931	576.03399	ug/L	10/13/10	12:25	
PBW 182692	B	-0.33063	1.54175	-2.20301	800.87677	ug/L	10/13/10	12:25	
PBW 182692	Ba	-0.09261	-0.19807	0.01285	161.04992	ug/L	10/13/10	12:25	
PBW 182692	Be	-0.04972	-0.06832	-0.03112	52.90224	ug/L	10/13/10	12:25	
PBW 182692	Ca	31.49872	30.59610	32.40135	4.05254	ug/L	10/13/10	12:25	
PBW 182692	Cd	-0.53608	-0.81566	-0.25649	73.75686	ug/L	10/13/10	12:25	
PBW 182692	Co	1.12511	1.53073	0.71949	50.98486	ug/L	10/13/10	12:25	
PBW 182692	Cr	1.17622	1.36835	0.98409	23.10013	ug/L	10/13/10	12:25	
PBW 182692	Cu	0.78390	1.38443	0.18337	108.33855	ug/L	10/13/10	12:25	
PBW 182692	Fe	7.82017	-2.82816	18.46850	192.56628	ug/L	10/13/10	12:25	
PBW 182692	2Fe	0.00781	-0.00282	0.01846	192.55960	mg/L	10/13/10	12:25	
PBW 182692	K	-20.02675	-46.76918	6.71567	188.84486	ug/L	10/13/10	12:25	
PBW 182692	Mg	12.67685	15.81147	9.54222	34.96948	ug/L	10/13/10	12:25	
PBW 182692	2Mg	0.01267	0.01580	0.00953	34.99401	mg/L	10/13/10	12:25	
PBW 182692	Mn	0.28830	0.32626	0.25033	18.62268	ug/L	10/13/10	12:25	
PBW 182692	Mo	-3.50885	-2.74921	-4.26848	30.61647	ug/L	10/13/10	12:25	
PBW 182692	Na	24.57445	-82.31804	131.46696	615.14611	ug/L	10/13/10	12:25	
PBW 182692	Ni	0.09507	-0.49380	0.68396	875.92291	ug/L	10/13/10	12:25	
PBW 182692	Pb	2.32178	2.70289	1.94068	23.21343	ug/L	10/13/10	12:25	
PBW 182692	Se	-3.87276	-4.35210	-3.39342	17.50400	ug/L	10/13/10	12:25	
PBW 182692	Sb	-5.29687	-9.39169	-1.20205	109.32777	ug/L	10/13/10	12:25	
PBW 182692	Sn	-5.87721	-10.69504	-1.05938	115.92967	ug/L	10/13/10	12:25	
PBW 182692	Sr	0.10742	0.10346	0.11138	5.20949	ug/L	10/13/10	12:25	
PBW 182692	Ti	-0.20107	-0.17746	-0.22469	16.60994	ug/L	10/13/10	12:25	
PBW 182692	Tl	2.12822	4.60087	-0.34442	164.30874	ug/L	10/13/10	12:25	
PBW 182692	V	-0.88357	-2.01705	0.24991	181.42117	ug/L	10/13/10	12:25	
PBW 182692	Zn	2.92364	2.94584	2.90145	1.07359	ug/L	10/13/10	12:25	
PBW 182692	2203/1	-6.19877	-6.82032	-5.57722	14.18028	ug/L	10/13/10	12:25	
PBW 182692	2203/2	6.57567	7.45736	5.69399	18.96212	ug/L	10/13/10	12:25	
PBW 182692	1960/1	-18.02260	-25.41975	-10.62546	58.04456	ug/L	10/13/10	12:25	
PBW 182692	1960/2	3.19154	6.16592	0.21717	131.79827	ug/L	10/13/10	12:25	
PBW 182692	Y	1007.46643	1011.08105	1003.85180	0.50739		10/13/10	12:25	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	49.27706	48.93630	49.61781	0.97793	ug/L	10/13/10	12:31	
LCSW-1	Al	2016.44116	2020.62060	2012.26171	0.29312	ug/L	10/13/10	12:31	
LCSW-1	2Al	2.01629	2.02047	2.01211	0.29317	mg/L	10/13/10	12:31	
LCSW-1	As	1988.57531	1992.89257	1984.25805	0.30703	ug/L	10/13/10	12:31	
LCSW-1	B	982.01690	983.79888	980.23492	0.25662	ug/L	10/13/10	12:31	
LCSW-1	Ba	2085.92309	2085.21411	2086.63208	0.04806	ug/L	10/13/10	12:31	
LCSW-1	Be	50.40850	50.51688	50.30012	0.30406	ug/L	10/13/10	12:31	
LCSW-1	Ca	4910.27832	4925.43115	4895.12500	0.43642	ug/L	10/13/10	12:31	
LCSW-1	Cd	51.15298	51.14529	51.16067	0.02127	ug/L	10/13/10	12:31	
LCSW-1	Co	510.80224	512.44506	509.15945	0.45482	ug/L	10/13/10	12:31	
LCSW-1	Cr	205.82479	206.20861	205.44099	0.26371	ug/L	10/13/10	12:31	
LCSW-1	Cu	253.71563	253.03523	254.39602	0.37925	ug/L	10/13/10	12:31	
LCSW-1	Fe	1016.61010	1025.22888	1007.99133	1.19896	ug/L	10/13/10	12:31	
LCSW-1	2Fe	1.01669	1.02531	1.00807	1.19879	mg/L	10/13/10	12:31	
LCSW-1	K	4945.75781	4938.02587	4953.49023	0.22109	ug/L	10/13/10	12:31	
LCSW-1	Mg	4890.91210	4919.26367	4862.56005	0.81979	ug/L	10/13/10	12:31	
LCSW-1	2Mg	4.88958	4.91793	4.86124	0.81976	mg/L	10/13/10	12:31	
LCSW-1	Mn	511.86975	513.24218	510.49734	0.37917	ug/L	10/13/10	12:31	
LCSW-1	Mo	498.81436	499.29730	498.33142	0.13692	ug/L	10/13/10	12:31	
LCSW-1	Na	4955.68066	4910.65136	5000.71044	1.28501	ug/L	10/13/10	12:31	
LCSW-1	Ni	506.90319	508.38046	505.42596	0.41213	ug/L	10/13/10	12:31	
LCSW-1	Pb	506.44512	510.06726	502.82296	1.01145	ug/L	10/13/10	12:31	
LCSW-1	Se	2051.64111	2056.55346	2046.72900	0.33860	ug/L	10/13/10	12:31	
LCSW-1	Sb	485.47671	480.49008	490.46334	1.45262	ug/L	10/13/10	12:31	
LCSW-1	Sn	986.41271	992.26348	980.56195	0.83882	ug/L	10/13/10	12:31	
LCSW-1	Sr	522.43542	523.40881	521.46203	0.26349	ug/L	10/13/10	12:31	
LCSW-1	Ti	989.29388	989.97283	988.61492	0.09705	ug/L	10/13/10	12:31	
LCSW-1	Tl	2081.14501	2081.93847	2080.35131	0.05392	ug/L	10/13/10	12:31	
LCSW-1	V	500.10244	500.84744	499.35745	0.21067	ug/L	10/13/10	12:31	
LCSW-1	Zn	508.67376	510.68600	506.66152	0.55944	ug/L	10/13/10	12:31	
LCSW-1	2203/1	503.53170	504.22778	502.83563	0.19549	ug/L	10/13/10	12:31	
LCSW-1	2203/2	507.89959	512.98260	502.81661	1.41532	ug/L	10/13/10	12:31	
LCSW-1	1960/1	2034.00000	2032.34020	2035.65966	0.11539	ug/L	10/13/10	12:31	
LCSW-1	1960/2	2060.44824	2068.64135	2052.25488	0.56235	ug/L	10/13/10	12:31	
LCSW-1	Y	985.58764	988.01538	983.15991	0.34835		10/13/10	12:31	
62053-21	Ag	-0.52479	-1.18015	0.13056	176.60499	ug/L	10/13/10	12:36	
62053-21	Al	1625.01025	1621.44689	1628.57360	0.31011	ug/L	10/13/10	12:36	
62053-21	2Al	1.62505	1.62149	1.62862	0.31011	mg/L	10/13/10	12:36	
62053-21	As	6.87611	14.67421	-0.92197	160.38368	ug/L	10/13/10	12:36	
62053-21	B	87.08863	89.27635	84.90092	3.55258	ug/L	10/13/10	12:36	
62053-21	Ba	14.84321	14.67411	15.01232	1.61116	ug/L	10/13/10	12:36	
62053-21	Be	0.01715	-0.02321	0.05751	332.84536	ug/L	10/13/10	12:36	
62053-21	Ca	15977.91406	16067.32226	15888.50585	0.79135	ug/L	10/13/10	12:36	
62053-21	Cd	-0.52446	-0.48988	-0.55903	9.32420	ug/L	10/13/10	12:36	
62053-21	Co	4.04930	4.26757	3.83104	7.62293	ug/L	10/13/10	12:36	
62053-21	Cr	15.29870	15.30236	15.29504	0.03386	ug/L	10/13/10	12:36	
62053-21	Cu	3.52469	3.20341	3.84596	12.89050	ug/L	10/13/10	12:36	
62053-21	Fe	1049.62036	1044.16284	1055.07775	0.73531	ug/L	10/13/10	12:36	
62053-21	2Fe	1.04948	1.04403	1.05494	0.73531	mg/L	10/13/10	12:36	
62053-21	K	41199.94531	40828.57031	41571.32421	1.27477	ug/L	10/13/10	12:36	
62053-21	Mg	191.86184	195.12785	188.59582	2.40737	ug/L	10/13/10	12:36	
62053-21	2Mg	0.19168	0.19495	0.18842	2.40968	mg/L	10/13/10	12:36	
62053-21	Mn	143.63693	143.95458	143.31925	0.31276	ug/L	10/13/10	12:36	
62053-21	Mo	-0.89695	-1.81439	0.02048	144.65057	ug/L	10/13/10	12:36	
62053-21	Na	15531870.00000	15447781.00000	15615959.00000	0.76565	ug/L	10/13/10	12:36	
62053-21	Ni	4.22987	3.41801	5.04173	27.14361	ug/L	10/13/10	12:36	
62053-21	Pb	2.31901	2.69953	1.93849	23.20536	ug/L	10/13/10	12:36	
62053-21	Se	11.21154	6.64859	15.77449	57.55658	ug/L	10/13/10	12:36	
62053-21	Sb	-5.08383	-8.62723	-1.54044	98.56959	ug/L	10/13/10	12:36	
62053-21	Sn	28.60564	27.73186	29.47943	4.31985	ug/L	10/13/10	12:36	
62053-21	Sr	103.26203	103.05587	103.46821	0.28236	ug/L	10/13/10	12:36	
62053-21	Ti	18.14352	18.07811	18.20892	0.50979	ug/L	10/13/10	12:36	
62053-21	Tl	30.51222	24.95085	36.07359	25.77643	ug/L	10/13/10	12:36	
62053-21	V	2.31236	1.76784	2.85687	33.30204	ug/L	10/13/10	12:36	
62053-21	Zn	10.51474	11.14409	9.88539	8.46461	ug/L	10/13/10	12:36	
62053-21	2203/1	-5.91587	-11.40676	-0.42499	131.26179	ug/L	10/13/10	12:36	
62053-21	2203/2	6.43029	9.74211	3.11846	72.83687	ug/L	10/13/10	12:36	
62053-21	1960/1	3.36709	-0.26851	7.00269	152.69937	ug/L	10/13/10	12:36	
62053-21	1960/2	15.12791	10.10199	20.15384	46.98419	ug/L	10/13/10	12:36	
62053-21	Y	656.33081	661.97479	650.68676	1.21613		10/13/10	12:36	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-22	Ag	-0.15786	-0.76353	0.44780	542.57830	ug/L	10/13/10	12:41	
62053-22	Al	22092.17578	22062.87304	22121.47656	0.18757	ug/L	10/13/10	12:41	
62053-22	2Al	22.09265	22.06335	22.12196	0.18757	mg/L	10/13/10	12:41	
62053-22	As	16.46075	18.01341	14.90810	13.33954	ug/L	10/13/10	12:41	
62053-22	B	108.47780	109.62483	107.33077	1.49537	ug/L	10/13/10	12:41	
62053-22	Ba	163.89062	163.67109	164.11016	0.18943	ug/L	10/13/10	12:41	
62053-22	Be	1.96726	1.92795	2.00658	2.82639	ug/L	10/13/10	12:41	
62053-22	Ca	3649.61474	3639.45532	3659.77441	0.39367	ug/L	10/13/10	12:41	
62053-22	Cd	0.59441	0.44552	0.74329	35.42359	ug/L	10/13/10	12:41	
62053-22	Co	55.80148	56.35943	55.24353	1.41404	ug/L	10/13/10	12:41	
62053-22	Cr	29.04351	29.78217	28.30485	3.59675	ug/L	10/13/10	12:41	
62053-22	Cu	112.06930	113.41601	110.72258	1.69943	ug/L	10/13/10	12:41	
62053-22	Fe	64611.35937	64469.48828	64753.23046	0.31052	ug/L	10/13/10	12:41	
62053-22	2Fe	64.60319	64.46133	64.74504	0.31053	mg/L	10/13/10	12:41	
62053-22	K	8382.21093	8347.91894	8416.50195	0.57855	ug/L	10/13/10	12:41	
62053-22	Mg	3533.99609	3531.92749	3536.06494	0.08278	ug/L	10/13/10	12:41	
62053-22	2Mg	3.52286	3.52081	3.52491	0.08211	mg/L	10/13/10	12:41	
62053-22	Mn	2678.05175	2672.68627	2683.41748	0.28334	ug/L	10/13/10	12:41	
62053-22	Mo	7.98973	7.06701	8.91245	16.33245	ug/L	10/13/10	12:41	
62053-22	Na	118496.37500	117622.67187	119370.07031	1.04273	ug/L	10/13/10	12:41	
62053-22	Ni	194.15615	192.67875	195.63357	1.07612	ug/L	10/13/10	12:41	
62053-22	Pb	47.61054	48.25320	46.96788	1.90894	ug/L	10/13/10	12:41	
62053-22	Se	-5.62495	-9.56286	-1.68704	99.00606	ug/L	10/13/10	12:41	
62053-22	Sb	-6.93473	-11.78552	-2.08394	98.92311	ug/L	10/13/10	12:41	
62053-22	Sn	-5.20588	-9.03707	-1.37470	104.07661	ug/L	10/13/10	12:41	
62053-22	Sr	35.71050	35.71026	35.71074	0.00094	ug/L	10/13/10	12:41	
62053-22	Ti	167.84452	167.60836	168.08068	0.19898	ug/L	10/13/10	12:41	
62053-22	Tl	0.52383	-3.11618	4.16385	982.70227	ug/L	10/13/10	12:41	
62053-22	V	79.81364	78.23795	81.38933	2.79195	ug/L	10/13/10	12:41	
62053-22	Zn	313.08361	312.76394	313.40328	0.14439	ug/L	10/13/10	12:41	
62053-22	2203/1	34.44146	33.13520	35.74771	5.36366	ug/L	10/13/10	12:41	
62053-22	2203/2	54.18521	55.80087	52.56955	4.21680	ug/L	10/13/10	12:41	
62053-22	1960/1	-12.80794	-16.56686	-9.04903	41.50476	ug/L	10/13/10	12:41	
62053-22	1960/2	-2.03884	-6.06611	1.98843	279.34609	ug/L	10/13/10	12:41	
62053-22	Y	1149.23876	1149.44213	1149.03540	0.02502		10/13/10	12:41	
62053-23	Ag	0.03620	1.23808	-1.16567	4694.71777	ug/L	10/13/10	12:46	
62053-23	Al	1549.28417	1555.40722	1543.16101	0.55892	ug/L	10/13/10	12:46	
62053-23	2Al	1.54933	1.55545	1.54320	0.55892	mg/L	10/13/10	12:46	
62053-23	As	3.66101	7.02145	0.30058	129.81015	ug/L	10/13/10	12:46	
62053-23	B	151.23339	152.59609	149.87068	1.27429	ug/L	10/13/10	12:46	
62053-23	Ba	23.02209	23.20102	22.84315	1.09914	ug/L	10/13/10	12:46	
62053-23	Be	0.05137	0.10357	-0.00081	143.66918	ug/L	10/13/10	12:46	
62053-23	Ca	8579.99804	8573.85839	8586.13769	0.10119	ug/L	10/13/10	12:46	
62053-23	Cd	0.11469	0.39883	-0.16945	350.36587	ug/L	10/13/10	12:46	
62053-23	Co	4.03973	4.33648	3.74298	10.38845	ug/L	10/13/10	12:46	
62053-23	Cr	47.43757	47.59349	47.28165	0.46483	ug/L	10/13/10	12:46	
62053-23	Cu	20.00125	20.40206	19.60044	2.83397	ug/L	10/13/10	12:46	
62053-23	Fe	3990.20288	4027.09716	3953.30859	1.30761	ug/L	10/13/10	12:46	
62053-23	2Fe	3.98969	4.02658	3.95280	1.30761	mg/L	10/13/10	12:46	
62053-23	K	14398.22167	14399.32519	14397.11816	0.01083	ug/L	10/13/10	12:46	
62053-23	Mg	412.12976	415.18997	409.06954	1.05010	ug/L	10/13/10	12:46	
62053-23	2Mg	0.41140	0.41445	0.40835	1.04940	mg/L	10/13/10	12:46	
62053-23	Mn	206.44644	206.34613	206.54675	0.06871	ug/L	10/13/10	12:46	
62053-23	Mo	29.03513	29.76772	28.30253	3.56826	ug/L	10/13/10	12:46	
62053-23	Na	2819925.75000	2812462.00000	2827389.50000	0.37431	ug/L	10/13/10	12:46	
62053-23	Ni	14.50151	15.59038	13.41264	10.61884	ug/L	10/13/10	12:46	
62053-23	Pb	3.57678	3.99938	3.15418	16.70907	ug/L	10/13/10	12:46	
62053-23	Se	-4.22046	-1.62767	-6.81325	86.88038	ug/L	10/13/10	12:46	
62053-23	Sb	-1.95175	3.08986	-6.99337	365.30880	ug/L	10/13/10	12:46	
62053-23	Sn	-0.19178	1.91668	-2.30025	1554.79296	ug/L	10/13/10	12:46	
62053-23	Sr	112.19997	112.23887	112.16107	0.04903	ug/L	10/13/10	12:46	
62053-23	Ti	37.12399	35.64586	38.60212	5.63083	ug/L	10/13/10	12:46	
62053-23	Tl	3.76144	7.18884	0.33405	128.86170	ug/L	10/13/10	12:46	
62053-23	V	12.35089	13.80867	10.89312	16.69192	ug/L	10/13/10	12:46	
62053-23	Zn	24.55922	24.59976	24.51869	0.23342	ug/L	10/13/10	12:46	
62053-23	2203/1	0.45052	2.38311	-1.48205	606.63891	ug/L	10/13/10	12:46	
62053-23	2203/2	5.13756	4.80630	5.46882	9.11854	ug/L	10/13/10	12:46	
62053-23	1960/1	-6.71862	2.16718	-15.60442	187.03871	ug/L	10/13/10	12:46	
62053-23	1960/2	-2.97326	-3.52226	-2.42426	26.11273	ug/L	10/13/10	12:46	
62053-23	Y	867.55749	868.87719	866.23779	0.21512		10/13/10	12:46	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-24	Ag	-0.69898	-1.43986	0.04189	149.89767	ug/L	10/13/10	12:52	
62053-24	Al	760.90179	784.05004	737.75354	4.30233	ug/L	10/13/10	12:52	
62053-24	2Al	0.76092	0.78407	0.73777	4.30234	mg/L	10/13/10	12:52	
62053-24	As	-8.25073	6.27235	-22.77382	248.93247	ug/L	10/13/10	12:52	
62053-24	B	189.86355	194.41410	185.31298	3.38952	ug/L	10/13/10	12:52	
62053-24	Ba	72.24702	72.23941	72.25464	0.01491	ug/L	10/13/10	12:52	
62053-24	Be	0.02558	0.03867	0.01249	72.34501	ug/L	10/13/10	12:52	
62053-24	Ca	13261.43164	13256.06933	13266.79296	0.05717	ug/L	10/13/10	12:52	
62053-24	Cd	-0.38270	-0.55746	-0.20795	64.57726	ug/L	10/13/10	12:52	
62053-24	Co	1.04860	3.67495	-1.57774	354.20504	ug/L	10/13/10	12:52	
62053-24	Cr	41.47499	44.47112	38.47885	10.21622	ug/L	10/13/10	12:52	
62053-24	Cu	33.97562	38.13840	29.81283	17.32733	ug/L	10/13/10	12:52	
62053-24	Fe	3044.48876	3037.15185	3051.82568	0.34081	ug/L	10/13/10	12:52	
62053-24	2Fe	3.04410	3.03676	3.05143	0.34077	mg/L	10/13/10	12:52	
62053-24	K	21180.21093	21168.52148	21191.90039	0.07805	ug/L	10/13/10	12:52	
62053-24	Mg	456.77410	478.07907	435.46914	6.59620	ug/L	10/13/10	12:52	
62053-24	2Mg	0.45618	0.47748	0.43488	6.60335	mg/L	10/13/10	12:52	
62053-24	Mn	161.09759	161.64039	160.55480	0.47649	ug/L	10/13/10	12:52	
62053-24	Mo	13.63897	14.53202	12.74593	9.25989	ug/L	10/13/10	12:52	
62053-24	Na	6564300.00000	6592332.00000	6536268.50000	0.60391	ug/L	10/13/10	12:52	
62053-24	Ni	12.01375	10.74857	13.27893	14.89323	ug/L	10/13/10	12:52	
62053-24	Pb	8.90688	8.92799	8.88576	0.33528	ug/L	10/13/10	12:52	
62053-24	Se	8.21161	6.56015	9.86308	28.44172	ug/L	10/13/10	12:52	
62053-24	Sb	2.44688	-1.79755	6.69132	245.31361	ug/L	10/13/10	12:52	
62053-24	Sn	8.56764	6.05553	11.07974	41.46591	ug/L	10/13/10	12:52	
62053-24	Sr	179.18939	179.25784	179.12094	0.05402	ug/L	10/13/10	12:52	
62053-24	Ti	17.20439	18.47210	15.93668	10.42066	ug/L	10/13/10	12:52	
62053-24	Tl	8.46159	6.46230	10.46089	33.41485	ug/L	10/13/10	12:52	
62053-24	V	14.58500	14.27914	14.89086	2.96571	ug/L	10/13/10	12:52	
62053-24	Zn	19.11113	21.04377	17.17849	14.30145	ug/L	10/13/10	12:52	
62053-24	2203/1	5.42874	-1.46195	12.31945	179.50602	ug/L	10/13/10	12:52	
62053-24	2203/2	10.64334	14.11518	7.17149	46.13148	ug/L	10/13/10	12:52	
62053-24	1960/1	1.76165	-5.18708	8.71039	557.82904	ug/L	10/13/10	12:52	
62053-24	1960/2	11.43176	12.42496	10.43856	12.28678	ug/L	10/13/10	12:52	
62053-24	Y	830.09545	826.14880	834.04211	0.67238		10/13/10	12:52	
62053-25	Ag	-1.79744	-3.26061	-0.33426	115.12187	ug/L	10/13/10	12:57	
62053-25	Al	482.06005	487.62667	476.49343	1.63307	ug/L	10/13/10	12:57	
62053-25	2Al	0.48207	0.48764	0.47650	1.63307	mg/L	10/13/10	12:57	
62053-25	As	2.28096	8.11896	-3.55704	361.96035	ug/L	10/13/10	12:57	
62053-25	B	158.43453	157.75579	159.11328	0.60585	ug/L	10/13/10	12:57	
62053-25	Ba	158.38244	157.51026	159.25463	0.77878	ug/L	10/13/10	12:57	
62053-25	Be	-0.02539	-0.12927	0.07848	578.51684	ug/L	10/13/10	12:57	
62053-25	Ca	39220.13281	39390.48828	39049.77734	0.61427	ug/L	10/13/10	12:57	
62053-25	Cd	-0.61313	-1.23234	0.00607	142.82154	ug/L	10/13/10	12:57	
62053-25	Co	1.76222	2.12977	1.39468	29.49584	ug/L	10/13/10	12:57	
62053-25	Cr	120.88462	121.73992	120.02931	1.00061	ug/L	10/13/10	12:57	
62053-25	Cu	6.99150	7.11663	6.86638	2.53099	ug/L	10/13/10	12:57	
62053-25	Fe	1422.46240	1399.30358	1445.62109	2.30244	ug/L	10/13/10	12:57	
62053-25	2Fe	1.42228	1.39912	1.44543	2.30246	mg/L	10/13/10	12:57	
62053-25	K	55208.55078	54738.26562	55678.83593	1.20467	ug/L	10/13/10	12:57	
62053-25	Mg	2426.53759	2441.14770	2411.92724	0.85150	ug/L	10/13/10	12:57	
62053-25	2Mg	2.42563	2.44024	2.41102	0.85182	mg/L	10/13/10	12:57	
62053-25	Mn	77.71189	78.08708	77.33670	0.68277	ug/L	10/13/10	12:57	
62053-25	Mo	31.70078	31.87242	31.52914	0.76572	ug/L	10/13/10	12:57	
62053-25	Na	16965328.00000	17090190.00000	16840464.00000	1.04084	ug/L	10/13/10	12:57	
62053-25	Ni	2.94209	1.17177	4.71242	85.09641	ug/L	10/13/10	12:57	
62053-25	Pb	3.68595	2.91739	4.45452	29.48805	ug/L	10/13/10	12:57	
62053-25	Se	11.75290	2.18167	21.32412	115.16944	ug/L	10/13/10	12:57	
62053-25	Sb	-12.87453	-23.00495	-2.74412	111.27835	ug/L	10/13/10	12:57	
62053-25	Sn	24.93052	14.46215	35.39890	59.38307	ug/L	10/13/10	12:57	
62053-25	Sr	523.38739	522.91741	523.85736	0.12698	ug/L	10/13/10	12:57	
62053-25	Ti	11.84572	11.98500	11.70644	1.66278	ug/L	10/13/10	12:57	
62053-25	Tl	19.70276	15.59503	23.81048	29.48419	ug/L	10/13/10	12:57	
62053-25	V	0.96590	-1.59198	3.52379	374.51019	ug/L	10/13/10	12:57	
62053-25	Zn	12.15193	12.28831	12.01556	1.58708	ug/L	10/13/10	12:57	
62053-25	2203/1	-10.51046	-22.83255	1.81161	165.79710	ug/L	10/13/10	12:57	
62053-25	2203/2	10.77353	15.77306	5.77400	65.62751	ug/L	10/13/10	12:57	
62053-25	1960/1	8.33005	-10.30660	26.96670	316.39904	ug/L	10/13/10	12:57	
62053-25	1960/2	13.46175	8.41645	18.50706	53.00297	ug/L	10/13/10	12:57	
62053-25	Y	714.94128	712.59649	717.28601	0.46381		10/13/10	12:57	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-26	Ag	4.08054	1.75902	6.40206	80.45803	ug/L	10/13/10	13:02	
62053-26	Al	656.68103	674.03259	639.32940	3.73680	ug/L	10/13/10	13:02	
62053-26	2Al	0.65670	0.67405	0.63934	3.73680	mg/L	10/13/10	13:02	
62053-26	As	0.96489	2.32651	-0.39671	199.56578	ug/L	10/13/10	13:02	
62053-26	B	132.48223	135.39375	129.57073	3.10795	ug/L	10/13/10	13:02	
62053-26	Ba	117.40636	118.13735	116.67537	0.88050	ug/L	10/13/10	13:02	
62053-26	Be	0.23201	0.24117	0.22285	5.58433	ug/L	10/13/10	13:02	
62053-26	Ca	34951.40625	34813.02734	35089.78906	0.55992	ug/L	10/13/10	13:02	
62053-26	Cd	0.84241	0.99345	0.69138	25.35476	ug/L	10/13/10	13:02	
62053-26	Co	0.67158	2.55148	-1.20831	395.86596	ug/L	10/13/10	13:02	
62053-26	Cr	114.07589	115.61248	112.53932	1.90491	ug/L	10/13/10	13:02	
62053-26	Cu	4.92715	7.33852	2.51579	69.21188	ug/L	10/13/10	13:02	
62053-26	Fe	1791.24279	1789.90454	1792.58105	0.10565	ug/L	10/13/10	13:02	
62053-26	2Fe	1.79101	1.78967	1.79235	0.10561	mg/L	10/13/10	13:02	
62053-26	K	51246.44531	51693.00781	50799.87890	1.23235	ug/L	10/13/10	13:02	
62053-26	Mg	1527.01220	1532.11633	1521.90795	0.47271	ug/L	10/13/10	13:02	
62053-26	2Mg	1.52630	1.53140	1.52120	0.47282	mg/L	10/13/10	13:02	
62053-26	Mn	88.53024	88.66831	88.39217	0.22055	ug/L	10/13/10	13:02	
62053-26	Mo	32.07112	29.13341	35.00884	12.95417	ug/L	10/13/10	13:02	
62053-26	Na	15624454.00000	15697800.00000	15551107.00000	0.66387	ug/L	10/13/10	13:02	
62053-26	Ni	9.15227	8.66425	9.64029	7.54089	ug/L	10/13/10	13:02	
62053-26	Pb	1.00337	1.82667	0.18007	116.04086	ug/L	10/13/10	13:02	
62053-26	Se	35.31164	31.92455	38.69873	13.56511	ug/L	10/13/10	13:02	
62053-26	Sb	17.81211	16.91821	18.70602	7.09723	ug/L	10/13/10	13:02	
62053-26	Sn	42.45466	45.67456	39.23476	10.72585	ug/L	10/13/10	13:02	
62053-26	Sr	474.94644	477.51873	472.37414	0.76593	ug/L	10/13/10	13:02	
62053-26	Ti	12.08112	12.30004	11.86220	2.56268	ug/L	10/13/10	13:02	
62053-26	Tl	40.14169	34.87595	45.40743	18.55149	ug/L	10/13/10	13:02	
62053-26	V	10.48750	10.27730	10.69770	2.83449	ug/L	10/13/10	13:02	
62053-26	Zn	12.34260	13.06630	11.61890	8.29216	ug/L	10/13/10	13:02	
62053-26	2203/1	19.05029	-0.52938	38.62997	145.35131	ug/L	10/13/10	13:02	
62053-26	2203/2	-8.00655	3.00294	-19.01605	194.46286	ug/L	10/13/10	13:02	
62053-26	1960/1	50.62236	23.79297	77.45175	74.95202	ug/L	10/13/10	13:02	
62053-26	1960/2	27.66775	35.98424	19.35127	42.50901	ug/L	10/13/10	13:02	
62053-26	Y	744.50170	736.76611	752.23730	1.46941		10/13/10	13:02	
RINSE	Ag	-0.51725	-0.76019	-0.27431	66.42227	ug/L	10/13/10	13:08	
RINSE	Al	2.35320	-1.85791	6.56431	253.07719	ug/L	10/13/10	13:08	
RINSE	2Al	0.00235	-0.00185	0.00656	253.07562	mg/L	10/13/10	13:08	
RINSE	As	2.20242	-1.11884	5.52369	213.26451	ug/L	10/13/10	13:08	
RINSE	B	-2.44181	-3.47432	-1.40929	59.79979	ug/L	10/13/10	13:08	
RINSE	Ba	-0.24528	-0.23891	-0.25165	3.67254	ug/L	10/13/10	13:08	
RINSE	Be	-0.04431	-0.03580	-0.05281	27.14762	ug/L	10/13/10	13:08	
RINSE	Ca	13.87541	15.05002	12.70080	11.97187	ug/L	10/13/10	13:08	
RINSE	Cd	-0.49393	-0.76806	-0.21979	78.49023	ug/L	10/13/10	13:08	
RINSE	Co	0.64341	0.04654	1.24028	131.19052	ug/L	10/13/10	13:08	
RINSE	Cr	1.05203	0.23695	1.86710	109.56784	ug/L	10/13/10	13:08	
RINSE	Cu	-0.58819	-1.67953	0.50315	262.39752	ug/L	10/13/10	13:08	
RINSE	Fe	-31.41726	-32.46594	-30.36857	4.72053	ug/L	10/13/10	13:08	
RINSE	2Fe	-0.03141	-0.03246	-0.03036	4.72126	mg/L	10/13/10	13:08	
RINSE	K	-29.88567	-31.04850	-28.72284	5.50259	ug/L	10/13/10	13:08	
RINSE	Mg	4.93762	0.62594	9.24930	123.49331	ug/L	10/13/10	13:08	
RINSE	2Mg	0.00494	0.00063	0.00925	123.34877	mg/L	10/13/10	13:08	
RINSE	Mn	0.23790	0.12330	0.35250	68.12229	ug/L	10/13/10	13:08	
RINSE	Mo	-3.99215	-5.78631	-2.19798	63.55801	ug/L	10/13/10	13:08	
RINSE	Na	6749.81347	7506.07324	5993.55419	15.84506	ug/L	10/13/10	13:08	
RINSE	Ni	0.46764	0.63562	0.29965	50.80038	ug/L	10/13/10	13:08	
RINSE	Pb	1.19236	2.01243	0.37229	97.26448	ug/L	10/13/10	13:08	
RINSE	Se	-3.85641	2.14995	-9.86279	220.26399	ug/L	10/13/10	13:08	
RINSE	Sb	-6.73854	-4.31369	-9.16340	50.89027	ug/L	10/13/10	13:08	
RINSE	Sn	-2.22178	-4.17762	-0.26595	124.49294	ug/L	10/13/10	13:08	
RINSE	Sr	0.20291	0.16113	0.24469	29.11740	ug/L	10/13/10	13:08	
RINSE	Ti	-0.17670	-0.47680	0.12338	240.16844	ug/L	10/13/10	13:08	
RINSE	Tl	2.64847	4.92690	0.37005	121.66157	ug/L	10/13/10	13:08	
RINSE	V	-1.53102	-1.28550	-1.77654	22.67867	ug/L	10/13/10	13:08	
RINSE	Zn	0.30580	0.14965	0.46195	72.21148	ug/L	10/13/10	13:08	
RINSE	2203/1	-3.69869	-2.46546	-4.93192	47.15323	ug/L	10/13/10	13:08	
RINSE	2203/2	3.63423	4.24802	3.02043	23.88495	ug/L	10/13/10	13:08	
RINSE	1960/1	-4.05514	4.86747	-12.97776	311.17254	ug/L	10/13/10	13:08	
RINSE	1960/2	-3.75720	0.79323	-8.30763	171.27879	ug/L	10/13/10	13:08	
RINSE	Y	1106.32763	1109.60205	1103.05334	0.41855		10/13/10	13:08	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	490.62673	491.25500	489.99847	0.18109	ug/L	10/13/10	13:13	
CCV	Al	4838.28076	4831.08251	4845.47900	0.21040	ug/L	10/13/10	13:13	
CCV	2Al	4.83828	4.83117	4.84539	0.20768	mg/L	10/13/10	13:13	
CCV	As	512.09265	512.14617	512.03906	0.01479	ug/L	10/13/10	13:13	
CCV	B	5093.26562	5080.48828	5106.04248	0.35477	ug/L	10/13/10	13:13	
CCV	Ba	4910.00732	4908.42822	4911.58642	0.04548	ug/L	10/13/10	13:13	
CCV	Be	525.98742	526.38861	525.58630	0.10785	ug/L	10/13/10	13:13	
CCV	Ca	5281.15820	5281.83789	5280.47802	0.01820	ug/L	10/13/10	13:13	
CCV	Cd	539.70007	540.07641	539.32373	0.09861	ug/L	10/13/10	13:13	
CCV	Co	527.21191	527.75689	526.66699	0.14618	ug/L	10/13/10	13:13	
CCV	Cr	5217.42333	5218.20996	5216.63671	0.02132	ug/L	10/13/10	13:13	
CCV	Cu	4834.46484	4829.26611	4839.66406	0.15208	ug/L	10/13/10	13:13	
CCV	Fe	5204.72216	5204.21386	5205.23046	0.01381	ug/L	10/13/10	13:13	
CCV	2Fe	5.20470	5.20420	5.20521	0.01380	mg/L	10/13/10	13:13	
CCV	K	9485.52636	9488.28125	9482.77148	0.04107	ug/L	10/13/10	13:13	
CCV	Mg	5402.24804	5410.26513	5394.23095	0.20987	ug/L	10/13/10	13:13	
CCV	2Mg	5.40217	5.41018	5.39416	0.20977	mg/L	10/13/10	13:13	
CCV	Mn	5168.43310	5164.79345	5172.07275	0.09958	ug/L	10/13/10	13:13	
CCV	Mo	519.78002	517.41650	522.14349	0.64305	ug/L	10/13/10	13:13	
CCV	Na	8955.73535	8358.02929	9553.44140	9.43846	ug/L	10/13/10	13:13	
CCV	Ni	2637.15307	2643.66967	2630.63647	0.34946	ug/L	10/13/10	13:13	
CCV	Pb	540.36071	541.97241	538.74896	0.42181	ug/L	10/13/10	13:13	
CCV	Se	5199.85546	5214.28466	5185.42675	0.39242	ug/L	10/13/10	13:13	
CCV	Sb	495.20605	496.32510	494.08700	0.31957	ug/L	10/13/10	13:13	
CCV	Sn	5304.13867	5304.82861	5303.44921	0.01838	ug/L	10/13/10	13:13	
CCV	Sr	2496.72900	2497.73510	2495.72290	0.05698	ug/L	10/13/10	13:13	
CCV	Ti	500.24484	499.60220	500.88748	0.18167	ug/L	10/13/10	13:13	
CCV	Tl	5238.61035	5236.31640	5240.90380	0.06192	ug/L	10/13/10	13:13	
CCV	V	5049.44433	5052.04101	5046.84814	0.07271	ug/L	10/13/10	13:13	
CCV	Zn	2755.47363	2757.63232	2753.31518	0.11078	ug/L	10/13/10	13:13	
CCV	2203/1	528.94317	526.78686	531.09948	0.57652	ug/L	10/13/10	13:13	
CCV	2203/2	546.06091	549.55383	542.56799	0.90461	ug/L	10/13/10	13:13	
CCV	1960/1	5147.88476	5160.70800	5135.06103	0.35228	ug/L	10/13/10	13:13	
CCV	1960/2	5225.80224	5241.03271	5210.57177	0.41216	ug/L	10/13/10	13:13	
CCV	Y	1084.68139	1083.34924	1086.01342	0.17367		10/13/10	13:13	
CCB	Ag	0.26022	-0.31767	0.83812	314.06399	ug/L	10/13/10	13:20	
CCB	Al	12.09773	1.40249	22.79298	125.02629	ug/L	10/13/10	13:20	
CCB	2Al	0.01209	0.00140	0.02279	125.02616	mg/L	10/13/10	13:20	
CCB	As	4.37534	-0.75691	9.50759	165.88667	ug/L	10/13/10	13:20	
CCB	B	4.91342	3.73097	6.09587	34.03411	ug/L	10/13/10	13:20	
CCB	Ba	0.32556	0.01427	0.63686	135.21983	ug/L	10/13/10	13:20	
CCB	Be	0.05674	0.02501	0.08847	79.07880	ug/L	10/13/10	13:20	
CCB	Ca	4.38147	2.78527	5.97768	51.52077	ug/L	10/13/10	13:20	
CCB	Cd	-0.10339	-0.27265	0.06586	231.50341	ug/L	10/13/10	13:20	
CCB	Co	1.36179	-0.75312	3.47671	219.63236	ug/L	10/13/10	13:20	
CCB	Cr	1.86302	0.07707	3.64896	135.57038	ug/L	10/13/10	13:20	
CCB	Cu	1.14433	-0.97048	3.25914	261.35778	ug/L	10/13/10	13:20	
CCB	Fe	2.95324	-4.10871	10.01520	338.17486	ug/L	10/13/10	13:20	
CCB	2Fe	0.00295	-0.00410	0.01001	338.16430	mg/L	10/13/10	13:20	
CCB	K	-11.92178	-30.66485	6.82128	222.33834	ug/L	10/13/10	13:20	
CCB	Mg	13.51845	-2.37088	29.40779	166.22398	ug/L	10/13/10	13:20	
CCB	2Mg	0.01351	-0.00236	0.02939	166.21542	mg/L	10/13/10	13:20	
CCB	Mn	0.77303	0.27200	1.27406	91.66016	ug/L	10/13/10	13:20	
CCB	Mo	0.14009	-2.03928	2.31947	2199.96337	ug/L	10/13/10	13:20	
CCB	Na	701.41638	294.48339	1108.34936	82.04686	ug/L	10/13/10	13:20	
CCB	Ni	0.69939	0.22462	1.17416	96.00144	ug/L	10/13/10	13:20	
CCB	Pb	2.31163	2.53302	2.09024	13.54422	ug/L	10/13/10	13:20	
CCB	Se	-2.32549	-1.56581	-3.08517	46.19886	ug/L	10/13/10	13:20	
CCB	Sb	-2.66062	-4.89218	-0.42907	118.61474	ug/L	10/13/10	13:20	
CCB	Sn	-0.73326	-2.26053	0.79399	294.55514	ug/L	10/13/10	13:20	
CCB	Sr	0.35225	0.07446	0.63003	111.52469	ug/L	10/13/10	13:20	
CCB	Ti	0.31545	-0.22110	0.85202	240.54116	ug/L	10/13/10	13:20	
CCB	Tl	2.63391	0.61158	4.65625	108.58397	ug/L	10/13/10	13:20	
CCB	V	-0.18556	-0.97513	0.60399	601.73181	ug/L	10/13/10	13:20	
CCB	Zn	1.99903	0.83916	3.15889	82.05458	ug/L	10/13/10	13:20	
CCB	2203/1	-4.63421	0.26462	-9.53305	149.49676	ug/L	10/13/10	13:20	
CCB	2203/2	5.77935	3.66552	7.89317	51.72560	ug/L	10/13/10	13:20	
CCB	1960/1	-7.43659	-6.95914	-7.91403	9.07951	ug/L	10/13/10	13:20	
CCB	1960/2	0.22622	1.12681	-0.67436	562.99542	ug/L	10/13/10	13:20	
CCB	Y	1098.99462	1092.47912	1105.51013	0.83843		10/13/10	13:20	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 182691	Ag	-3.26199	-1.26054	-5.26345	86.77156	ug/L	10/13/10	13:25	
PBW 182691	Al	8.54717	0.73914	16.35519	129.19145	ug/L	10/13/10	13:25	
PBW 182691	2Al	0.00854	0.00073	0.01635	129.19149	mg/L	10/13/10	13:25	
PBW 182691	As	1.21397	-0.77147	3.19942	231.29402	ug/L	10/13/10	13:25	
PBW 182691	B	-0.30799	-1.00904	0.39305	321.89547	ug/L	10/13/10	13:25	
PBW 182691	Ba	-0.53383	-0.01922	-1.04844	136.32841	ug/L	10/13/10	13:25	
PBW 182691	Be	-0.12914	-0.01674	-0.24154	123.08817	ug/L	10/13/10	13:25	
PBW 182691	Ca	1.95651	5.59100	-1.67797	262.70898	ug/L	10/13/10	13:25	
PBW 182691	Cd	-1.14517	-0.43400	-1.85635	87.82474	ug/L	10/13/10	13:25	
PBW 182691	Co	0.03644	-0.06469	0.13757	392.49902	ug/L	10/13/10	13:25	
PBW 182691	Cr	0.81982	-0.09177	1.73143	157.25300	ug/L	10/13/10	13:25	
PBW 182691	Cu	-0.78663	-1.33930	-0.23396	99.35953	ug/L	10/13/10	13:25	
PBW 182691	Fe	-30.72754	17.51312	-78.96820	222.02427	ug/L	10/13/10	13:25	
PBW 182691	2Fe	-0.03072	0.01751	-0.07895	222.02323	mg/L	10/13/10	13:25	
PBW 182691	K	-91.31565	-7.20163	-175.42968	130.26812	ug/L	10/13/10	13:25	
PBW 182691	Mg	9.37989	3.37006	15.38972	90.61066	ug/L	10/13/10	13:25	
PBW 182691	2Mg	0.00938	0.00336	0.01539	90.68595	mg/L	10/13/10	13:25	
PBW 182691	Mn	0.28306	0.15782	0.40830	62.57125	ug/L	10/13/10	13:25	
PBW 182691	Mo	-4.34060	-4.65752	-4.02367	10.32571	ug/L	10/13/10	13:25	
PBW 182691	Na	-179.56326	286.15563	-645.28216	366.79327	ug/L	10/13/10	13:25	
PBW 182691	Ni	-2.05242	-0.24703	-3.85781	124.39982	ug/L	10/13/10	13:25	
PBW 182691	Pb	2.42019	2.12544	2.71495	17.22373	ug/L	10/13/10	13:25	
PBW 182691	Se	-14.28455	-8.17347	-20.39562	60.50146	ug/L	10/13/10	13:25	
PBW 182691	Sb	-11.94289	-2.12262	-21.76317	116.28641	ug/L	10/13/10	13:25	
PBW 182691	Sn	-13.54276	-8.59531	-18.49021	51.66412	ug/L	10/13/10	13:25	
PBW 182691	Sr	0.03815	0.00500	0.07130	122.86337	ug/L	10/13/10	13:25	
PBW 182691	Ti	-0.23348	-0.35657	-0.11040	74.55114	ug/L	10/13/10	13:25	
PBW 182691	Tl	-9.18090	-6.03761	-12.32419	48.41882	ug/L	10/13/10	13:25	
PBW 182691	V	-3.71748	-0.01256	-7.42240	140.94326	ug/L	10/13/10	13:25	
PBW 182691	Zn	2.60593	2.40770	2.80417	10.75796	ug/L	10/13/10	13:25	
PBW 182691	2203/1	-19.87892	-8.95965	-30.79819	77.68113	ug/L	10/13/10	13:25	
PBW 182691	2203/2	13.55304	7.65968	19.44640	61.49521	ug/L	10/13/10	13:25	
PBW 182691	1960/1	-30.96042	-18.20475	-43.71610	58.26551	ug/L	10/13/10	13:25	
PBW 182691	1960/2	-5.95911	-3.16535	-8.75286	66.30119	ug/L	10/13/10	13:25	
PBW 182691	Y	1058.64013	1060.42456	1056.85559	0.23838		10/13/10	13:25	
LCSW-1	Ag	49.41751	48.68292	50.15211	2.10222	ug/L	10/13/10	13:30	
LCSW-1	Al	1991.80944	1995.52368	1988.09521	0.26371	ug/L	10/13/10	13:30	
LCSW-1	2Al	1.99176	1.99557	1.98795	0.27053	mg/L	10/13/10	13:30	
LCSW-1	As	2031.08325	2036.45349	2025.71313	0.37391	ug/L	10/13/10	13:30	
LCSW-1	B	995.55993	995.99133	995.12847	0.06128	ug/L	10/13/10	13:30	
LCSW-1	Ba	2051.28857	2049.24682	2053.33056	0.14077	ug/L	10/13/10	13:30	
LCSW-1	Be	52.41836	52.41318	52.42353	0.01395	ug/L	10/13/10	13:30	
LCSW-1	Ca	5098.39550	5098.87158	5097.91943	0.01320	ug/L	10/13/10	13:30	
LCSW-1	Cd	53.95811	54.38826	53.52796	1.12739	ug/L	10/13/10	13:30	
LCSW-1	Co	530.91430	532.08209	529.74658	0.31105	ug/L	10/13/10	13:30	
LCSW-1	Cr	213.15151	214.18540	212.11764	0.68595	ug/L	10/13/10	13:30	
LCSW-1	Cu	249.99790	249.94377	250.05204	0.03062	ug/L	10/13/10	13:30	
LCSW-1	Fe	1062.54040	1072.67150	1052.40930	1.34842	ug/L	10/13/10	13:30	
LCSW-1	2Fe	1.06262	1.07275	1.05249	1.34818	mg/L	10/13/10	13:30	
LCSW-1	K	4789.60839	4776.98974	4802.22705	0.37258	ug/L	10/13/10	13:30	
LCSW-1	Mg	5153.69482	5159.07958	5148.31005	0.14776	ug/L	10/13/10	13:30	
LCSW-1	2Mg	5.15229	5.15767	5.14691	0.14771	mg/L	10/13/10	13:30	
LCSW-1	Mn	522.66638	522.65954	522.67321	0.00184	ug/L	10/13/10	13:30	
LCSW-1	Mo	513.76892	512.56945	514.96838	0.33016	ug/L	10/13/10	13:30	
LCSW-1	Na	5022.35937	5054.12109	4990.59814	0.89435	ug/L	10/13/10	13:30	
LCSW-1	Ni	527.19750	526.44573	527.94934	0.20167	ug/L	10/13/10	13:30	
LCSW-1	Pb	525.35205	526.30554	524.39862	0.25666	ug/L	10/13/10	13:30	
LCSW-1	Se	2071.02319	2069.50170	2072.54467	0.10389	ug/L	10/13/10	13:30	
LCSW-1	Sb	490.08007	489.61746	490.54272	0.13350	ug/L	10/13/10	13:30	
LCSW-1	Sn	1023.11297	1021.69970	1024.52624	0.19535	ug/L	10/13/10	13:30	
LCSW-1	Sr	516.63043	515.32989	517.93096	0.35600	ug/L	10/13/10	13:30	
LCSW-1	Ti	991.60577	990.34106	992.87048	0.18037	ug/L	10/13/10	13:30	
LCSW-1	Tl	2151.45507	2146.33471	2156.57568	0.33658	ug/L	10/13/10	13:30	
LCSW-1	V	508.45013	508.04037	508.85986	0.11396	ug/L	10/13/10	13:30	
LCSW-1	Zn	546.17126	547.35968	544.98284	0.30771	ug/L	10/13/10	13:30	
LCSW-1	2203/1	521.03607	517.20465	524.86749	1.03993	ug/L	10/13/10	13:30	
LCSW-1	2203/2	527.50683	530.84918	524.16448	0.89606	ug/L	10/13/10	13:30	
LCSW-1	1960/1	2058.34570	2058.08422	2058.60717	0.01796	ug/L	10/13/10	13:30	
LCSW-1	1960/2	2077.35180	2075.20117	2079.50244	0.14641	ug/L	10/13/10	13:30	
LCSW-1	Y	1053.13305	1055.74340	1050.52270	0.35053		10/13/10	13:30	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-2	Ag	50.41553	51.55937	49.27170	3.20858	ug/L	10/13/10	13:36	
LCSW-2	Al	2024.48974	2011.57409	2037.40551	0.90223	ug/L	10/13/10	13:36	
LCSW-2	2Al	2.02454	2.01162	2.03746	0.90222	mg/L	10/13/10	13:36	
LCSW-2	As	2069.45361	2062.17016	2076.73730	0.49774	ug/L	10/13/10	13:36	
LCSW-2	B	1008.30236	1006.20025	1010.40447	0.29483	ug/L	10/13/10	13:36	
LCSW-2	Ba	2097.46044	2097.79736	2097.12329	0.02272	ug/L	10/13/10	13:36	
LCSW-2	Be	53.42694	53.23512	53.61875	0.50773	ug/L	10/13/10	13:36	
LCSW-2	Ca	5182.83789	5166.35742	5199.31884	0.44970	ug/L	10/13/10	13:36	
LCSW-2	Cd	55.19292	54.74878	55.63706	1.13801	ug/L	10/13/10	13:36	
LCSW-2	Co	539.99047	536.26556	543.71533	0.97553	ug/L	10/13/10	13:36	
LCSW-2	Cr	216.24966	214.62579	217.87355	1.06197	ug/L	10/13/10	13:36	
LCSW-2	Cu	252.62471	252.08836	253.16105	0.30025	ug/L	10/13/10	13:36	
LCSW-2	Fe	1060.07299	1064.19738	1055.94848	0.55023	ug/L	10/13/10	13:36	
LCSW-2	2Fe	1.06016	1.06428	1.05604	0.54993	mg/L	10/13/10	13:36	
LCSW-2	K	4857.81542	4862.72656	4852.90478	0.14296	ug/L	10/13/10	13:36	
LCSW-2	Mg	5233.15234	5195.89062	5270.41406	1.00696	ug/L	10/13/10	13:36	
LCSW-2	2Mg	5.23173	5.19448	5.26898	1.00698	mg/L	10/13/10	13:36	
LCSW-2	Mn	533.68969	532.39996	534.97937	0.34175	ug/L	10/13/10	13:36	
LCSW-2	Mo	522.66882	524.02062	521.31701	0.36576	ug/L	10/13/10	13:36	
LCSW-2	Na	5030.41113	5006.29199	5054.52978	0.67806	ug/L	10/13/10	13:36	
LCSW-2	Ni	536.91125	535.53161	538.29083	0.36338	ug/L	10/13/10	13:36	
LCSW-2	Pb	539.21191	537.95440	540.46948	0.32981	ug/L	10/13/10	13:36	
LCSW-2	Se	2141.46875	2145.10571	2137.83178	0.24018	ug/L	10/13/10	13:36	
LCSW-2	Sb	502.86267	504.82681	500.89849	0.55238	ug/L	10/13/10	13:36	
LCSW-2	Sn	1045.45446	1038.41418	1052.49475	0.95235	ug/L	10/13/10	13:36	
LCSW-2	Sr	524.33935	523.73706	524.94158	0.16243	ug/L	10/13/10	13:36	
LCSW-2	Ti	1008.42419	1006.05511	1010.79333	0.33224	ug/L	10/13/10	13:36	
LCSW-2	Tl	2195.51513	2193.67309	2197.35742	0.11866	ug/L	10/13/10	13:36	
LCSW-2	V	518.43408	517.32958	519.53851	0.30128	ug/L	10/13/10	13:36	
LCSW-2	Zn	556.88391	553.92083	559.84692	0.75246	ug/L	10/13/10	13:36	
LCSW-2	2203/1	536.28912	548.42242	524.15582	3.19959	ug/L	10/13/10	13:36	
LCSW-2	2203/2	540.67114	532.72821	548.61413	2.07761	ug/L	10/13/10	13:36	
LCSW-2	1960/1	2112.18701	2131.30541	2093.06884	1.28006	ug/L	10/13/10	13:36	
LCSW-2	1960/2	2156.08691	2151.99487	2160.17919	0.26841	ug/L	10/13/10	13:36	
LCSW-2	Y	1047.77954	1045.80822	1049.75073	0.26606		10/13/10	13:36	
62053-1	Ag	0.37143	0.17190	0.57095	75.96844	ug/L	10/13/10	13:41	
62053-1	Al	6359.96777	6461.64941	6258.28564	2.26101	ug/L	10/13/10	13:41	
62053-1	2Al	6.35986	6.46184	6.25789	2.26751	mg/L	10/13/10	13:41	
62053-1	As	3.85499	4.83089	2.87908	35.80139	ug/L	10/13/10	13:41	
62053-1	B	19.47121	21.00812	17.93430	11.16272	ug/L	10/13/10	13:41	
62053-1	Ba	29.48199	29.66062	29.30337	0.85683	ug/L	10/13/10	13:41	
62053-1	Be	0.17634	0.17936	0.17333	2.41640	ug/L	10/13/10	13:41	
62053-1	Ca	969.93731	968.54833	971.32629	0.20251	ug/L	10/13/10	13:41	
62053-1	Cd	-0.46761	-0.35931	-0.57591	32.75254	ug/L	10/13/10	13:41	
62053-1	Co	10.98617	11.15756	10.81478	2.20621	ug/L	10/13/10	13:41	
62053-1	Cr	8.78039	8.88032	8.68047	1.60947	ug/L	10/13/10	13:41	
62053-1	Cu	4.97966	5.26864	4.69069	8.20687	ug/L	10/13/10	13:41	
62053-1	Fe	12205.08105	12197.81640	12212.34570	0.08417	ug/L	10/13/10	13:41	
62053-1	2Fe	12.20294	12.19627	12.20961	0.07731	mg/L	10/13/10	13:41	
62053-1	K	1886.85034	1902.73071	1870.97009	1.19024	ug/L	10/13/10	13:41	
62053-1	Mg	934.35009	936.81793	931.88232	0.37352	ug/L	10/13/10	13:41	
62053-1	2Mg	0.93205	0.93452	0.92958	0.37452	mg/L	10/13/10	13:41	
62053-1	Mn	252.88247	252.95527	252.80969	0.04070	ug/L	10/13/10	13:41	
62053-1	Mo	0.21246	0.26502	0.15989	34.98653	ug/L	10/13/10	13:41	
62053-1	Na	6226.58837	6205.68652	6247.49023	0.47473	ug/L	10/13/10	13:41	
62053-1	Ni	51.23224	51.06285	51.40164	0.46759	ug/L	10/13/10	13:41	
62053-1	Pb	7.30973	7.01552	7.60394	5.69202	ug/L	10/13/10	13:41	
62053-1	Se	-0.99645	-0.73964	-1.25326	36.44758	ug/L	10/13/10	13:41	
62053-1	Sb	0.10970	4.96214	-4.74273	6255.37988	ug/L	10/13/10	13:41	
62053-1	Sn	-1.89088	-0.21685	-3.56491	125.20245	ug/L	10/13/10	13:41	
62053-1	Sr	8.83446	8.94969	8.71924	1.84446	ug/L	10/13/10	13:41	
62053-1	Ti	164.92782	169.17976	160.67588	3.64592	ug/L	10/13/10	13:41	
62053-1	Tl	8.91003	8.82763	8.99242	1.30773	ug/L	10/13/10	13:41	
62053-1	V	17.30442	17.06572	17.54311	1.95074	ug/L	10/13/10	13:41	
62053-1	Zn	71.27754	71.32775	71.22733	0.09962	ug/L	10/13/10	13:41	
62053-1	2203/1	5.40117	4.96243	5.83991	11.48771	ug/L	10/13/10	13:41	
62053-1	2203/2	8.26258	8.04053	8.48463	3.80056	ug/L	10/13/10	13:41	
62053-1	1960/1	-5.03072	-1.84470	-8.21674	89.56384	ug/L	10/13/10	13:41	
62053-1	1960/2	1.01766	-0.18793	2.22326	167.53868	ug/L	10/13/10	13:41	
62053-1	Y	1045.40161	1040.88635	1049.91674	0.61081		10/13/10	13:41	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-2	Ag	1.01770	1.61222	0.42319	82.61447	ug/L	10/13/10	13:46	
62053-2	Al	460029.81250	460505.28125	459554.34375	0.14616	ug/L	10/13/10	13:46	
62053-2	2Al	460.01449	460.50463	459.52435	0.15068	mg/L	10/13/10	13:46	
62053-2	As	583.71704	585.97607	581.45794	0.54731	ug/L	10/13/10	13:46	
62053-2	B	156.37750	155.97767	156.77734	0.36159	ug/L	10/13/10	13:46	
62053-2	Ba	686.74670	687.11541	686.37799	0.07592	ug/L	10/13/10	13:46	
62053-2	Be	9.71391	9.72414	9.70369	0.14883	ug/L	10/13/10	13:46	
62053-2	Ca	9258.79101	9256.59765	9260.98535	0.03350	ug/L	10/13/10	13:46	
62053-2	Cd	9.78634	9.67165	9.90103	1.65740	ug/L	10/13/10	13:46	
62053-2	Co	357.20489	356.53112	357.87869	0.26675	ug/L	10/13/10	13:46	
62053-2	Cr	773.21374	773.40850	773.01898	0.03562	ug/L	10/13/10	13:46	
62053-2	Cu	496.97235	497.66262	496.28207	0.19642	ug/L	10/13/10	13:46	
62053-2	Fe	1170777.25000	1170959.12500	1170595.50000	0.02196	ug/L	10/13/10	13:46	
62053-2	2Fe	1170.55493	1170.77429	1170.33557	0.02650	mg/L	10/13/10	13:46	
62053-2	K	42910.70312	42969.57812	42851.83203	0.19402	ug/L	10/13/10	13:46	
62053-2	Mg	17656.42968	17661.54101	17651.32031	0.04093	ug/L	10/13/10	13:46	
62053-2	2Mg	17.44792	17.45299	17.44285	0.04109	mg/L	10/13/10	13:46	
62053-2	Mn	5071.32519	5070.62890	5072.02148	0.01941	ug/L	10/13/10	13:46	
62053-2	Mo	70.24424	70.38546	70.10301	0.28432	ug/L	10/13/10	13:46	
62053-2	Na	2483366.50000	2477468.25000	2489264.75000	0.33589	ug/L	10/13/10	13:46	
62053-2	Ni	2028.86425	2028.76733	2028.96118	0.00675	ug/L	10/13/10	13:46	
62053-2	Pb	527.11157	526.01788	528.20520	0.29342	ug/L	10/13/10	13:46	
62053-2	Se	19.96471	23.00819	16.92123	21.55867	ug/L	10/13/10	13:46	
62053-2	Sb	4.66508	8.85227	0.47788	126.93421	ug/L	10/13/10	13:46	
62053-2	Sn	28.47822	29.22169	27.73475	3.69202	ug/L	10/13/10	13:46	
62053-2	Sr	94.50639	94.50061	94.51217	0.00864	ug/L	10/13/10	13:46	
62053-2	Ti	1287.88061	1291.41052	1284.35058	0.38762	ug/L	10/13/10	13:46	
62053-2	Tl	16.15805	21.63858	10.67751	47.96772	ug/L	10/13/10	13:46	
62053-2	V	1808.36315	1810.37390	1806.35241	0.15724	ug/L	10/13/10	13:46	
62053-2	Zn	2958.77587	2958.80053	2958.75146	0.00117	ug/L	10/13/10	13:46	
62053-2	2203/1	545.48498	555.16003	535.80993	2.50833	ug/L	10/13/10	13:46	
62053-2	2203/2	517.93859	511.46862	524.40850	1.76659	ug/L	10/13/10	13:46	
62053-2	1960/1	1.24599	7.57888	-5.08688	718.78546	ug/L	10/13/10	13:46	
62053-2	1960/2	29.31004	30.71128	27.90880	6.76099	ug/L	10/13/10	13:46	
62053-2	Y	1383.97521	1387.68530	1380.26513	0.37911		10/13/10	13:46	
62053-3	Ag	0.54999	1.56331	-0.46331	260.55477	ug/L	10/13/10	13:52	
62053-3	Al	365446.75000	365186.81250	365706.71875	0.10059	ug/L	10/13/10	13:52	
62053-3	2Al	365.42785	365.16735	365.68838	0.10081	mg/L	10/13/10	13:52	
62053-3	As	553.18865	555.39404	550.98327	0.56380	ug/L	10/13/10	13:52	
62053-3	B	113.28221	114.49328	112.07115	1.51189	ug/L	10/13/10	13:52	
62053-3	Ba	676.31549	675.46704	677.16394	0.17741	ug/L	10/13/10	13:52	
62053-3	Be	7.76623	7.81363	7.71884	0.86305	ug/L	10/13/10	13:52	
62053-3	Ca	8539.56835	8560.24902	8518.88867	0.34247	ug/L	10/13/10	13:52	
62053-3	Cd	13.84813	14.09627	13.60000	2.53402	ug/L	10/13/10	13:52	
62053-3	Co	324.54199	326.86218	322.22180	1.01103	ug/L	10/13/10	13:52	
62053-3	Cr	669.25689	671.81860	666.69519	0.54131	ug/L	10/13/10	13:52	
62053-3	Cu	479.75561	480.32998	479.18124	0.16931	ug/L	10/13/10	13:52	
62053-3	Fe	1059542.50000	1061981.75000	1057103.12500	0.32558	ug/L	10/13/10	13:52	
62053-3	2Fe	1059.32250	1061.76000	1056.88513	0.32540	mg/L	10/13/10	13:52	
62053-3	K	35861.80468	35840.91796	35882.69531	0.08237	ug/L	10/13/10	13:52	
62053-3	Mg	11100.12500	11165.51757	11034.73144	0.83314	ug/L	10/13/10	13:52	
62053-3	2Mg	10.91289	10.97784	10.84794	0.84167	mg/L	10/13/10	13:52	
62053-3	Mn	4771.29296	4777.61474	4764.97070	0.18738	ug/L	10/13/10	13:52	
62053-3	Mo	64.86448	67.26544	62.46352	5.23470	ug/L	10/13/10	13:52	
62053-3	Na	5694215.00000	5678602.50000	5709827.00000	0.38774	ug/L	10/13/10	13:52	
62053-3	Ni	1808.86035	1817.34338	1800.37731	0.66322	ug/L	10/13/10	13:52	
62053-3	Pb	501.94985	501.89404	502.00567	0.01572	ug/L	10/13/10	13:52	
62053-3	Se	17.79881	23.04375	12.55387	41.67390	ug/L	10/13/10	13:52	
62053-3	Sb	-4.67968	1.11764	-10.47700	175.19680	ug/L	10/13/10	13:52	
62053-3	Sn	23.61862	28.06187	19.17537	26.60485	ug/L	10/13/10	13:52	
62053-3	Sr	89.82678	89.93592	89.71763	0.17183	ug/L	10/13/10	13:52	
62053-3	Ti	1132.86071	1143.30773	1122.41369	1.30416	ug/L	10/13/10	13:52	
62053-3	Tl	5.67908	11.70379	-0.34561	150.02803	ug/L	10/13/10	13:52	
62053-3	V	1629.40539	1633.00695	1625.80383	0.31259	ug/L	10/13/10	13:52	
62053-3	Zn	2617.40869	2630.36596	2604.45141	0.70009	ug/L	10/13/10	13:52	
62053-3	2203/1	493.69274	502.20523	485.18029	2.43844	ug/L	10/13/10	13:52	
62053-3	2203/2	506.07220	501.73867	510.40576	1.21100	ug/L	10/13/10	13:52	
62053-3	1960/1	0.45153	7.01412	-6.11105	2055.41381	ug/L	10/13/10	13:52	
62053-3	1960/2	26.45945	31.04655	21.87235	24.51728	ug/L	10/13/10	13:52	
62053-3	Y	1231.77807	1238.76672	1224.78942	0.80237		10/13/10	13:52	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-4	Ag	2.62535	-0.53523	5.78595	170.25323	ug/L	10/13/10	13:57	
62053-4	Al	4818.25292	4911.02929	4725.47607	2.72310	ug/L	10/13/10	13:57	
62053-4	2Al	4.81824	4.91087	4.72561	2.71875	mg/L	10/13/10	13:57	
62053-4	As	9.18340	5.51764	12.84916	56.45141	ug/L	10/13/10	13:57	
62053-4	B	27.94364	28.37951	27.50778	2.20586	ug/L	10/13/10	13:57	
62053-4	Ba	186.15563	186.23171	186.07954	0.05780	ug/L	10/13/10	13:57	
62053-4	Be	0.20020	0.12584	0.27455	52.52430	ug/L	10/13/10	13:57	
62053-4	Ca	7173.33007	7119.50634	7227.15429	1.06113	ug/L	10/13/10	13:57	
62053-4	Cd	0.21924	-0.08293	0.52141	194.91639	ug/L	10/13/10	13:57	
62053-4	Co	32.35695	31.41091	33.30299	4.13482	ug/L	10/13/10	13:57	
62053-4	Cr	64.44373	63.81702	65.07043	1.37529	ug/L	10/13/10	13:57	
62053-4	Cu	5.93266	5.32128	6.54404	14.57384	ug/L	10/13/10	13:57	
62053-4	Fe	3442.97167	3407.92309	3478.02001	1.43962	ug/L	10/13/10	13:57	
62053-4	2Fe	3.44255	3.40751	3.47760	1.43963	mg/L	10/13/10	13:57	
62053-4	K	31169.93164	31311.92187	31027.94140	0.64422	ug/L	10/13/10	13:57	
62053-4	Mg	4570.37744	4526.52587	4614.22900	1.35690	ug/L	10/13/10	13:57	
62053-4	2Mg	4.56849	4.52465	4.61232	1.35689	mg/L	10/13/10	13:57	
62053-4	Mn	18.36426	18.39438	18.33413	0.23199	ug/L	10/13/10	13:57	
62053-4	Mo	25.58003	23.72647	27.43360	10.24760	ug/L	10/13/10	13:57	
62053-4	Na	20642664.00000	20795656.00000	20489670.00000	1.04814	ug/L	10/13/10	13:57	
62053-4	Ni	16.34614	13.98645	18.70584	20.41526	ug/L	10/13/10	13:57	
62053-4	Pb	2.48573	2.66535	2.30610	10.21950	ug/L	10/13/10	13:57	
62053-4	Se	20.18772	17.26430	23.11113	20.47945	ug/L	10/13/10	13:57	
62053-4	Sb	6.23360	-4.71559	17.18280	248.40377	ug/L	10/13/10	13:57	
62053-4	Sn	27.06130	22.95369	31.16892	21.46624	ug/L	10/13/10	13:57	
62053-4	Sr	71.03416	71.22576	70.84256	0.38145	ug/L	10/13/10	13:57	
62053-4	Ti	146.92065	148.22692	145.61439	1.25737	ug/L	10/13/10	13:57	
62053-4	Tl	25.90356	19.32908	32.47804	35.89359	ug/L	10/13/10	13:57	
62053-4	V	122.25810	119.29832	125.21788	3.42370	ug/L	10/13/10	13:57	
62053-4	Zn	12.25747	11.75193	12.76300	5.83262	ug/L	10/13/10	13:57	
62053-4	2203/1	9.18485	1.56738	16.80231	117.28790	ug/L	10/13/10	13:57	
62053-4	2203/2	-0.85880	3.21351	-4.93113	670.59704	ug/L	10/13/10	13:57	
62053-4	1960/1	25.96240	21.75527	30.16954	22.91692	ug/L	10/13/10	13:57	
62053-4	1960/2	17.30470	15.02218	19.58722	18.65371	ug/L	10/13/10	13:57	
62053-4	Y	671.54467	666.14141	676.94799	1.13788		10/13/10	13:57	
62053-5	Ag	-0.36133	-1.23312	0.51045	341.20715	ug/L	10/13/10	14:02	
62053-5	Al	1712.68847	1715.11315	1710.26391	0.20020	ug/L	10/13/10	14:02	
62053-5	2Al	1.71263	1.71496	1.71031	0.19186	mg/L	10/13/10	14:02	
62053-5	As	0.36246	-0.23537	0.96031	233.25579	ug/L	10/13/10	14:02	
62053-5	B	47.88516	49.30137	46.46896	4.18253	ug/L	10/13/10	14:02	
62053-5	Ba	37.07521	36.96537	37.18506	0.41900	ug/L	10/13/10	14:02	
62053-5	Be	0.07334	0.08003	0.06665	12.90231	ug/L	10/13/10	14:02	
62053-5	Ca	7320.47119	7324.14453	7316.79785	0.07096	ug/L	10/13/10	14:02	
62053-5	Cd	-0.01902	-0.03496	-0.00309	118.41793	ug/L	10/13/10	14:02	
62053-5	Co	9.91342	10.61057	9.21627	9.94527	ug/L	10/13/10	14:02	
62053-5	Cr	6.97210	7.24859	6.69560	5.60834	ug/L	10/13/10	14:02	
62053-5	Cu	2.04901	2.15051	1.94752	7.00495	ug/L	10/13/10	14:02	
62053-5	Fe	2402.26245	2395.12988	2409.39501	0.41989	ug/L	10/13/10	14:02	
62053-5	2Fe	2.40196	2.39483	2.40909	0.41987	mg/L	10/13/10	14:02	
62053-5	K	5266.54882	5272.95166	5260.14550	0.17194	ug/L	10/13/10	14:02	
62053-5	Mg	3012.76098	3019.88916	3005.63281	0.33460	ug/L	10/13/10	14:02	
62053-5	2Mg	3.01196	3.01909	3.00484	0.33464	mg/L	10/13/10	14:02	
62053-5	Mn	1051.51306	1051.23840	1051.78771	0.03693	ug/L	10/13/10	14:02	
62053-5	Mo	-0.73451	-1.13591	-0.33311	77.28369	ug/L	10/13/10	14:02	
62053-5	Na	1792712.62500	1786423.00000	1799002.25000	0.49616	ug/L	10/13/10	14:02	
62053-5	Ni	32.73490	33.24224	32.22755	2.19184	ug/L	10/13/10	14:02	
62053-5	Pb	1.12067	1.52590	0.71545	51.13654	ug/L	10/13/10	14:02	
62053-5	Se	-2.79507	-4.57793	-1.01221	90.20687	ug/L	10/13/10	14:02	
62053-5	Sb	-5.78687	-5.27891	-6.29483	12.41371	ug/L	10/13/10	14:02	
62053-5	Sn	-5.56304	-6.35405	-4.77202	20.10894	ug/L	10/13/10	14:02	
62053-5	Sr	35.80530	35.94807	35.66254	0.56388	ug/L	10/13/10	14:02	
62053-5	Ti	42.89817	45.28861	40.50774	7.88049	ug/L	10/13/10	14:02	
62053-5	Tl	2.11866	0.89282	3.34450	81.82528	ug/L	10/13/10	14:02	
62053-5	V	10.18002	10.32198	10.03805	1.97219	ug/L	10/13/10	14:02	
62053-5	Zn	37.78751	38.12062	37.45440	1.24666	ug/L	10/13/10	14:02	
62053-5	2203/1	-1.30531	-6.41723	3.80661	553.84185	ug/L	10/13/10	14:02	
62053-5	2203/2	2.33185	5.49152	-0.82781	191.62638	ug/L	10/13/10	14:02	
62053-5	1960/1	-6.48405	-13.38700	0.41888	150.55749	ug/L	10/13/10	14:02	
62053-5	1960/2	-0.95334	-0.18001	-1.72668	114.71824	ug/L	10/13/10	14:02	
62053-5	Y	987.17712	995.44390	978.91027	1.18429		10/13/10	14:02	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-6	Ag	-1.53031	-1.65393	-1.40669	11.42397	ug/L	10/13/10	14:08	
62053-6	Al	10154.92089	10271.04785	10038.79394	1.61722	ug/L	10/13/10	14:08	
62053-6	2Al	10.15490	10.27072	10.03909	1.61287	mg/L	10/13/10	14:08	
62053-6	As	11.51734	12.52488	10.50980	12.37160	ug/L	10/13/10	14:08	
62053-6	B	34.28593	34.85995	33.71191	2.36770	ug/L	10/13/10	14:08	
62053-6	Ba	98.07940	98.52484	97.63397	0.64228	ug/L	10/13/10	14:08	
62053-6	Be	1.21989	1.19406	1.24572	2.99439	ug/L	10/13/10	14:08	
62053-6	Ca	41450.58984	41557.32812	41343.85156	0.36417	ug/L	10/13/10	14:08	
62053-6	Cd	-0.07560	-0.24085	0.08964	309.09896	ug/L	10/13/10	14:08	
62053-6	Co	18.07127	18.21341	17.92913	1.11237	ug/L	10/13/10	14:08	
62053-6	Cr	21.94738	22.20248	21.69229	1.64374	ug/L	10/13/10	14:08	
62053-6	Cu	24.02920	23.78059	24.27782	1.46319	ug/L	10/13/10	14:08	
62053-6	Fe	20291.02343	20329.37890	20252.66796	0.26732	ug/L	10/13/10	14:08	
62053-6	2Fe	20.28797	20.32583	20.25010	0.26392	mg/L	10/13/10	14:08	
62053-6	K	18533.63281	18567.45898	18499.80468	0.25811	ug/L	10/13/10	14:08	
62053-6	Mg	14451.89843	14523.80468	14379.99316	0.70364	ug/L	10/13/10	14:08	
62053-6	2Mg	14.44490	14.51678	14.37302	0.70374	mg/L	10/13/10	14:08	
62053-6	Mn	1433.41174	1436.76416	1430.05932	0.33075	ug/L	10/13/10	14:08	
62053-6	Mo	-0.31996	0.60358	-1.24351	408.19619	ug/L	10/13/10	14:08	
62053-6	Na	3277597.50000	3256093.75000	3299101.50000	0.92784	ug/L	10/13/10	14:08	
62053-6	Ni	104.04495	104.28340	103.80648	0.32412	ug/L	10/13/10	14:08	
62053-6	Pb	13.60177	14.46407	12.73948	8.96547	ug/L	10/13/10	14:08	
62053-6	Se	-0.69285	-3.91575	2.53003	657.83404	ug/L	10/13/10	14:08	
62053-6	Sb	-2.57264	-5.23395	0.08866	146.29516	ug/L	10/13/10	14:08	
62053-6	Sn	-2.75418	-5.92218	0.41382	162.67037	ug/L	10/13/10	14:08	
62053-6	Sr	189.64367	189.76281	189.52453	0.08884	ug/L	10/13/10	14:08	
62053-6	Ti	137.72219	143.65954	131.78483	6.09682	ug/L	10/13/10	14:08	
62053-6	Tl	1.13773	0.96372	1.31173	21.62897	ug/L	10/13/10	14:08	
62053-6	V	26.32885	25.29059	27.36710	5.57681	ug/L	10/13/10	14:08	
62053-6	Zn	145.03337	145.92608	144.14065	0.87048	ug/L	10/13/10	14:08	
62053-6	2203/1	4.74256	4.28979	5.19533	13.50153	ug/L	10/13/10	14:08	
62053-6	2203/2	18.02474	19.54358	16.50590	11.91674	ug/L	10/13/10	14:08	
62053-6	1960/1	-11.27472	-15.42133	-7.12811	52.01184	ug/L	10/13/10	14:08	
62053-6	1960/2	4.59014	1.82841	7.35186	85.08825	ug/L	10/13/10	14:08	
62053-6	Y	1270.52661	1275.77636	1265.27685	0.58434		10/13/10	14:08	
RINSE	Ag	2.71126	4.43326	0.98927	89.82025	ug/L	10/13/10	14:13	
RINSE	Al	3.21267	-3.55347	9.97882	297.84469	ug/L	10/13/10	14:13	
RINSE	2Al	0.00321	-0.00355	0.00997	297.84960	mg/L	10/13/10	14:13	
RINSE	As	-9.41710	-15.82214	-3.01206	96.18767	ug/L	10/13/10	14:13	
RINSE	B	-4.74807	-5.35560	-4.14055	18.09510	ug/L	10/13/10	14:13	
RINSE	Ba	0.77183	1.45181	0.09185	124.59097	ug/L	10/13/10	14:13	
RINSE	Be	0.13419	0.26714	0.00125	140.09716	ug/L	10/13/10	14:13	
RINSE	Ca	19.40003	22.33849	16.46157	21.42063	ug/L	10/13/10	14:13	
RINSE	Cd	0.54454	1.02791	0.06118	125.53120	ug/L	10/13/10	14:13	
RINSE	Co	-1.30771	-2.96894	0.35351	179.65164	ug/L	10/13/10	14:13	
RINSE	Cr	-1.12863	-2.37737	0.12009	156.46960	ug/L	10/13/10	14:13	
RINSE	Cu	-2.83404	-4.23176	-1.43631	69.74777	ug/L	10/13/10	14:13	
RINSE	Fe	69.58890	136.27947	2.89833	135.53125	ug/L	10/13/10	14:13	
RINSE	2Fe	0.06958	0.13626	0.00289	135.53108	mg/L	10/13/10	14:13	
RINSE	K	99.95008	199.19117	0.70897	140.41821	ug/L	10/13/10	14:13	
RINSE	Mg	-2.12692	-13.44056	9.18671	752.25653	ug/L	10/13/10	14:13	
RINSE	2Mg	-0.00213	-0.01346	0.00918	748.80175	mg/L	10/13/10	14:13	
RINSE	Mn	0.40748	0.08657	0.72839	111.37465	ug/L	10/13/10	14:13	
RINSE	Mo	0.80348	2.31731	-0.71034	266.44845	ug/L	10/13/10	14:13	
RINSE	Na	2502.49462	3114.94018	1890.04907	34.61061	ug/L	10/13/10	14:13	
RINSE	Ni	3.63069	6.75060	0.51078	121.52538	ug/L	10/13/10	14:13	
RINSE	Pb	0.89459	0.92769	0.86149	5.23212	ug/L	10/13/10	14:13	
RINSE	Se	19.57452	33.42210	5.72693	100.04559	ug/L	10/13/10	14:13	
RINSE	Sb	16.08615	31.84458	0.32771	138.54023	ug/L	10/13/10	14:13	
RINSE	Sn	8.02196	18.11721	-2.07328	177.97181	ug/L	10/13/10	14:13	
RINSE	Sr	-0.07802	-0.19609	0.04005	214.02561	ug/L	10/13/10	14:13	
RINSE	Ti	-0.89443	-1.33870	-0.45016	70.24468	ug/L	10/13/10	14:13	
RINSE	Tl	9.60001	20.85726	-1.65723	165.83468	ug/L	10/13/10	14:13	
RINSE	V	3.63185	7.56901	-0.30531	153.30992	ug/L	10/13/10	14:13	
RINSE	Zn	-0.46337	-1.18678	0.26004	220.78767	ug/L	10/13/10	14:13	
RINSE	2203/1	18.38608	33.64970	3.12246	117.40411	ug/L	10/13/10	14:13	
RINSE	2203/2	-7.83803	-15.40878	-0.26728	136.59866	ug/L	10/13/10	14:13	
RINSE	1960/1	23.92401	51.07661	-3.22859	160.50645	ug/L	10/13/10	14:13	
RINSE	1960/2	17.40303	24.60808	10.19798	58.55001	ug/L	10/13/10	14:13	
RINSE	Y	1127.13586	1123.28051	1130.99121	0.48372		10/13/10	14:13	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	485.70001	484.06192	487.33807	0.47695	ug/L	10/13/10	14:18	
CCV	Al	4753.74267	4759.69433	4747.79101	0.17705	ug/L	10/13/10	14:18	
CCV	2Al	4.75339	4.75943	4.74735	0.17969	mg/L	10/13/10	14:18	
CCV	As	506.11175	504.77926	507.44427	0.37233	ug/L	10/13/10	14:18	
CCV	B	5079.35400	5074.23242	5084.47558	0.14259	ug/L	10/13/10	14:18	
CCV	Ba	4878.47949	4876.99023	4879.96923	0.04317	ug/L	10/13/10	14:18	
CCV	Be	527.38720	526.96441	527.80999	0.11337	ug/L	10/13/10	14:18	
CCV	Ca	5276.01074	5268.81494	5283.20654	0.19288	ug/L	10/13/10	14:18	
CCV	Cd	544.62731	544.51171	544.74291	0.03001	ug/L	10/13/10	14:18	
CCV	Co	525.48382	526.28338	524.68426	0.21518	ug/L	10/13/10	14:18	
CCV	Cr	5218.45703	5210.33886	5226.57470	0.21999	ug/L	10/13/10	14:18	
CCV	Cu	4788.39208	4785.83300	4790.95117	0.07558	ug/L	10/13/10	14:18	
CCV	Fe	5194.76953	5190.41699	5199.12207	0.11849	ug/L	10/13/10	14:18	
CCV	2Fe	5.19475	5.19040	5.19910	0.11847	mg/L	10/13/10	14:18	
CCV	K	9403.36914	9395.30566	9411.43261	0.12127	ug/L	10/13/10	14:18	
CCV	Mg	5390.96386	5388.17968	5393.74853	0.07304	ug/L	10/13/10	14:18	
CCV	2Mg	5.39088	5.38809	5.39367	0.07307	mg/L	10/13/10	14:18	
CCV	Mn	5141.73632	5136.00341	5147.46875	0.15767	ug/L	10/13/10	14:18	
CCV	Mo	526.26977	524.41998	528.11962	0.49709	ug/L	10/13/10	14:18	
CCV	Na	7972.91796	7925.18750	8020.64794	0.84662	ug/L	10/13/10	14:18	
CCV	Ni	2638.35156	2633.44628	2643.25659	0.26292	ug/L	10/13/10	14:18	
CCV	Pb	539.29956	538.42657	540.17248	0.22891	ug/L	10/13/10	14:18	
CCV	Se	5226.45214	5217.48486	5235.41894	0.24263	ug/L	10/13/10	14:18	
CCV	Sb	488.63201	482.67501	494.58898	1.72408	ug/L	10/13/10	14:18	
CCV	Sn	5321.24902	5307.31738	5335.18115	0.37026	ug/L	10/13/10	14:18	
CCV	Sr	2505.95532	2508.91894	2502.99169	0.16724	ug/L	10/13/10	14:18	
CCV	Ti	498.13653	497.11740	499.15563	0.28932	ug/L	10/13/10	14:18	
CCV	Tl	5252.14355	5259.52880	5244.75830	0.19885	ug/L	10/13/10	14:18	
CCV	V	5007.36132	5002.84472	5011.87744	0.12755	ug/L	10/13/10	14:18	
CCV	Zn	2764.45117	2761.31909	2767.58349	0.16023	ug/L	10/13/10	14:18	
CCV	2203/1	528.62646	524.05462	533.19830	1.22308	ug/L	10/13/10	14:18	
CCV	2203/2	544.62805	545.60174	543.65435	0.25283	ug/L	10/13/10	14:18	
CCV	1960/1	5117.90136	5087.39746	5148.40527	0.84290	ug/L	10/13/10	14:18	
CCV	1960/2	5280.64550	5282.43066	5278.86035	0.04780	ug/L	10/13/10	14:18	
CCV	Y	1149.74511	1151.52539	1147.96472	0.21898		10/13/10	14:18	
CCB	Ag	-0.15926	-0.30165	-0.01687	126.44123	ug/L	10/13/10	14:25	
CCB	Al	7.11855	0.24603	13.99107	136.53358	ug/L	10/13/10	14:25	
CCB	2Al	0.00711	0.00024	0.01399	136.53335	mg/L	10/13/10	14:25	
CCB	As	-0.41576	1.22552	-2.05704	558.28375	ug/L	10/13/10	14:25	
CCB	B	3.84661	3.96082	3.73240	4.19895	ug/L	10/13/10	14:25	
CCB	Ba	-0.00338	-0.18812	0.18136	7728.71972	ug/L	10/13/10	14:25	
CCB	Be	-0.02008	-0.03953	-0.00063	136.97920	ug/L	10/13/10	14:25	
CCB	Ca	-0.07203	-0.29890	0.15482	445.35266	ug/L	10/13/10	14:25	
CCB	Cd	-0.76417	-0.53913	-0.98921	41.64657	ug/L	10/13/10	14:25	
CCB	Co	1.00237	0.17975	1.82498	116.05968	ug/L	10/13/10	14:25	
CCB	Cr	1.17104	0.42470	1.91738	90.13217	ug/L	10/13/10	14:25	
CCB	Cu	-0.92951	-2.11824	0.25920	180.85835	ug/L	10/13/10	14:25	
CCB	Fe	-35.38262	-39.58515	-31.18008	16.79717	ug/L	10/13/10	14:25	
CCB	2Fe	-0.03537	-0.03958	-0.03117	16.79836	mg/L	10/13/10	14:25	
CCB	K	-43.66659	-46.67536	-40.65783	9.74437	ug/L	10/13/10	14:25	
CCB	Mg	7.76359	3.61270	11.91448	75.61243	ug/L	10/13/10	14:25	
CCB	2Mg	0.00776	0.00361	0.01191	75.53772	mg/L	10/13/10	14:25	
CCB	Mn	0.54186	0.32082	0.76290	57.68950	ug/L	10/13/10	14:25	
CCB	Mo	-4.41876	-4.33730	-4.50022	2.60703	ug/L	10/13/10	14:25	
CCB	Na	370.35568	170.84898	569.86236	76.18218	ug/L	10/13/10	14:25	
CCB	Ni	-0.09241	-0.49664	0.31181	618.57812	ug/L	10/13/10	14:25	
CCB	Pb	2.55149	0.85402	4.24897	94.08557	ug/L	10/13/10	14:25	
CCB	Se	-1.02605	-0.60744	-1.44467	57.69746	ug/L	10/13/10	14:25	
CCB	Sb	-5.47673	-4.23731	-6.71616	32.00471	ug/L	10/13/10	14:25	
CCB	Sn	-4.82522	-4.42716	-5.22327	11.66657	ug/L	10/13/10	14:25	
CCB	Sr	0.20930	0.08080	0.33779	86.82154	ug/L	10/13/10	14:25	
CCB	Ti	-0.08433	-0.25966	0.09098	293.99349	ug/L	10/13/10	14:25	
CCB	Tl	2.64958	0.45053	4.84862	117.37395	ug/L	10/13/10	14:25	
CCB	V	-1.43464	-1.63310	-1.23617	19.56385	ug/L	10/13/10	14:25	
CCB	Zn	0.89886	0.48093	1.31679	65.75481	ug/L	10/13/10	14:25	
CCB	2203/1	-4.47354	-6.51186	-2.43523	64.43687	ug/L	10/13/10	14:25	
CCB	2203/2	6.05875	4.53144	7.58606	35.64991	ug/L	10/13/10	14:25	
CCB	1960/1	-2.24908	-1.31414	-3.18402	58.78852	ug/L	10/13/10	14:25	
CCB	1960/2	-0.41545	-0.25462	-0.57629	54.74863	ug/L	10/13/10	14:25	
CCB	Y	1152.38854	1157.40173	1147.37536	0.61521		10/13/10	14:25	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-7	Ag	-0.10768	-0.14062	-0.07474	43.25776	ug/L	10/13/10	14:30	
62053-7	Al	10932.60351	11015.20410	10850.00195	1.06850	ug/L	10/13/10	14:30	
62053-7	2Al	10.93265	11.01535	10.84995	1.06974	mg/L	10/13/10	14:30	
62053-7	As	10.02145	10.70866	9.33423	9.69787	ug/L	10/13/10	14:30	
62053-7	B	40.73554	41.95583	39.51526	4.23645	ug/L	10/13/10	14:30	
62053-7	Ba	103.61944	103.97644	103.26243	0.48724	ug/L	10/13/10	14:30	
62053-7	Be	1.37515	1.39289	1.35741	1.82424	ug/L	10/13/10	14:30	
62053-7	Ca	37736.03125	37687.58984	37784.47656	0.18154	ug/L	10/13/10	14:30	
62053-7	Cd	0.35416	0.38785	0.32047	13.45134	ug/L	10/13/10	14:30	
62053-7	Co	25.83801	25.86931	25.80670	0.17136	ug/L	10/13/10	14:30	
62053-7	Cr	27.27755	28.16668	26.38842	4.60973	ug/L	10/13/10	14:30	
62053-7	Cu	14.18072	14.59085	13.77059	4.09016	ug/L	10/13/10	14:30	
62053-7	Fe	21874.17382	21899.33789	21849.00976	0.16269	ug/L	10/13/10	14:30	
62053-7	2Fe	21.87141	21.89657	21.84625	0.16269	mg/L	10/13/10	14:30	
62053-7	K	28026.55078	28172.05468	27881.04687	0.73420	ug/L	10/13/10	14:30	
62053-7	Mg	11402.42089	11392.42382	11412.41796	0.12399	ug/L	10/13/10	14:30	
62053-7	2Mg	11.39651	11.38651	11.40651	0.12407	mg/L	10/13/10	14:30	
62053-7	Mn	2535.95971	2534.77343	2537.14599	0.06615	ug/L	10/13/10	14:30	
62053-7	Mo	2.73075	2.40107	3.06043	17.07357	ug/L	10/13/10	14:30	
62053-7	Na	8191793.00000	8153920.50000	8229665.50000	0.65382	ug/L	10/13/10	14:30	
62053-7	Ni	153.01708	153.29400	152.74015	0.25593	ug/L	10/13/10	14:30	
62053-7	Pb	14.59605	15.67198	13.52012	10.42469	ug/L	10/13/10	14:30	
62053-7	Se	5.28853	6.78942	3.78763	40.13566	ug/L	10/13/10	14:30	
62053-7	Sb	-8.83305	-7.67333	-9.99277	18.56764	ug/L	10/13/10	14:30	
62053-7	Sn	-0.75946	1.12296	-2.64189	350.53198	ug/L	10/13/10	14:30	
62053-7	Sr	200.54708	200.64199	200.45219	0.06692	ug/L	10/13/10	14:30	
62053-7	Ti	165.58511	167.89027	163.27995	1.96876	ug/L	10/13/10	14:30	
62053-7	Tl	4.78193	3.67608	5.88779	32.70460	ug/L	10/13/10	14:30	
62053-7	V	36.43038	36.70218	36.15858	1.05510	ug/L	10/13/10	14:30	
62053-7	Zn	165.84613	166.06747	165.62477	0.18875	ug/L	10/13/10	14:30	
62053-7	2203/1	14.10877	14.10267	14.11488	0.06115	ug/L	10/13/10	14:30	
62053-7	2203/2	14.83933	16.45546	13.22319	15.40203	ug/L	10/13/10	14:30	
62053-7	1960/1	3.25736	3.01459	3.50013	10.54003	ug/L	10/13/10	14:30	
62053-7	1960/2	6.30259	8.67401	3.93116	53.21139	ug/L	10/13/10	14:30	
62053-7	Y	1108.38195	1121.38806	1095.37585	1.65948		10/13/10	14:30	
62053-8	Ag	-0.86752	-2.00863	0.27358	186.02084	ug/L	10/13/10	14:36	
62053-8	Al	2236.49682	2256.34326	2216.65039	1.25495	ug/L	10/13/10	14:36	
62053-8	2Al	2.23641	2.25626	2.21656	1.25513	mg/L	10/13/10	14:36	
62053-8	As	2.52969	1.36301	3.69637	65.22274	ug/L	10/13/10	14:36	
62053-8	B	27.56764	27.61514	27.52015	0.24365	ug/L	10/13/10	14:36	
62053-8	Ba	59.79277	59.80656	59.77899	0.03260	ug/L	10/13/10	14:36	
62053-8	Be	0.38000	0.35936	0.40064	7.68213	ug/L	10/13/10	14:36	
62053-8	Ca	18572.21679	18485.56054	18658.87304	0.65985	ug/L	10/13/10	14:36	
62053-8	Cd	0.04586	-0.10016	0.19189	450.28564	ug/L	10/13/10	14:36	
62053-8	Co	12.39301	12.47441	12.31161	0.92886	ug/L	10/13/10	14:36	
62053-8	Cr	20.05882	20.08500	20.03264	0.18454	ug/L	10/13/10	14:36	
62053-8	Cu	3.15265	3.38400	2.92130	10.37796	ug/L	10/13/10	14:36	
62053-8	Fe	2765.93994	2738.40014	2793.47949	1.40809	ug/L	10/13/10	14:36	
62053-8	2Fe	2.76559	2.73805	2.79313	1.40810	mg/L	10/13/10	14:36	
62053-8	K	29730.65625	29856.22460	29605.08984	0.59729	ug/L	10/13/10	14:36	
62053-8	Mg	5326.44726	5291.41406	5361.47998	0.93015	ug/L	10/13/10	14:36	
62053-8	2Mg	5.32459	5.28958	5.35961	0.93008	mg/L	10/13/10	14:36	
62053-8	Mn	310.65832	310.46697	310.84970	0.08711	ug/L	10/13/10	14:36	
62053-8	Mo	2.80920	1.85133	3.76707	48.22126	ug/L	10/13/10	14:36	
62053-8	Na	12898698.00000	12879814.00000	12917581.00000	0.20703	ug/L	10/13/10	14:36	
62053-8	Ni	20.93644	20.92441	20.94848	0.08130	ug/L	10/13/10	14:36	
62053-8	Pb	4.86134	4.94589	4.77679	2.45963	ug/L	10/13/10	14:36	
62053-8	Se	10.92235	11.22069	10.62401	3.86292	ug/L	10/13/10	14:36	
62053-8	Sb	-6.64596	-7.71296	-5.57896	22.70496	ug/L	10/13/10	14:36	
62053-8	Sn	11.07316	10.18234	11.96398	11.37714	ug/L	10/13/10	14:36	
62053-8	Sr	100.26602	100.31468	100.21736	0.06863	ug/L	10/13/10	14:36	
62053-8	Ti	69.31114	68.96507	69.65721	0.70611	ug/L	10/13/10	14:36	
62053-8	Tl	12.70237	10.83538	14.56936	20.78604	ug/L	10/13/10	14:36	
62053-8	V	34.79852	34.02130	35.57574	3.15862	ug/L	10/13/10	14:36	
62053-8	Zn	18.78150	18.73716	18.82583	0.33384	ug/L	10/13/10	14:36	
62053-8	2203/1	-2.73862	-9.77449	4.29725	363.32977	ug/L	10/13/10	14:36	
62053-8	2203/2	8.65563	12.29506	5.01621	59.46327	ug/L	10/13/10	14:36	
62053-8	1960/1	5.27510	1.49463	9.05557	101.35133	ug/L	10/13/10	14:36	
62053-8	1960/2	13.74174	16.07643	11.40705	24.02717	ug/L	10/13/10	14:36	
62053-8	Y	1383.82165	1394.13439	1373.50891	1.05392		10/13/10	14:36	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-9	Ag	0.36246	0.60575	0.11917	94.92362	ug/L	10/13/10	14:41	
62053-9	Al	2122.48925	2142.62280	2102.35571	1.34149	ug/L	10/13/10	14:41	
62053-9	2Al	2.12246	2.14268	2.10224	1.34737	mg/L	10/13/10	14:41	
62053-9	As	0.57317	-0.40627	1.55263	241.66369	ug/L	10/13/10	14:41	
62053-9	B	38.10664	37.64728	38.56600	1.70477	ug/L	10/13/10	14:41	
62053-9	Ba	58.43797	58.60668	58.26925	0.40830	ug/L	10/13/10	14:41	
62053-9	Be	0.12274	0.11719	0.12830	6.40206	ug/L	10/13/10	14:41	
62053-9	Ca	31737.73046	31786.74218	31688.71679	0.21839	ug/L	10/13/10	14:41	
62053-9	Cd	0.11418	0.32261	-0.09424	258.15481	ug/L	10/13/10	14:41	
62053-9	Co	26.67488	25.98539	27.36437	3.65543	ug/L	10/13/10	14:41	
62053-9	Cr	5.68331	5.64796	5.71865	0.87945	ug/L	10/13/10	14:41	
62053-9	Cu	11.45811	11.54478	11.37145	1.06966	ug/L	10/13/10	14:41	
62053-9	Fe	5226.59765	5255.90283	5197.29248	0.79293	ug/L	10/13/10	14:41	
62053-9	2Fe	5.22594	5.25524	5.19664	0.79293	mg/L	10/13/10	14:41	
62053-9	K	1976.09106	1992.96362	1959.21838	1.20750	ug/L	10/13/10	14:41	
62053-9	Mg	5281.28320	5283.28417	5279.28222	0.05358	ug/L	10/13/10	14:41	
62053-9	2Mg	5.28078	5.28278	5.27878	0.05351	mg/L	10/13/10	14:41	
62053-9	Mn	4176.04101	4182.62207	4169.45947	0.22287	ug/L	10/13/10	14:41	
62053-9	Mo	-2.36294	-2.80557	-1.92032	26.49093	ug/L	10/13/10	14:41	
62053-9	Na	14004.73632	10835.39355	17174.08007	32.00437	ug/L	10/13/10	14:41	
62053-9	Ni	67.02349	66.67456	67.37244	0.73627	ug/L	10/13/10	14:41	
62053-9	Pb	6.74264	6.58542	6.89986	3.29756	ug/L	10/13/10	14:41	
62053-9	Se	-1.67538	-0.27740	-3.07335	118.00530	ug/L	10/13/10	14:41	
62053-9	Sb	-2.12833	-3.58681	-0.66985	96.91142	ug/L	10/13/10	14:41	
62053-9	Sn	-3.17021	-2.89264	-3.44777	12.38198	ug/L	10/13/10	14:41	
62053-9	Sr	150.05911	150.54518	149.57304	0.45808	ug/L	10/13/10	14:41	
62053-9	Ti	44.69424	43.77614	45.61233	2.90503	ug/L	10/13/10	14:41	
62053-9	Tl	5.17186	7.50720	2.83652	63.85839	ug/L	10/13/10	14:41	
62053-9	V	5.40265	5.50185	5.30344	2.59681	ug/L	10/13/10	14:41	
62053-9	Zn	27.19086	27.36866	27.01305	0.92477	ug/L	10/13/10	14:41	
62053-9	2203/1	3.30733	2.73197	3.88268	24.60210	ug/L	10/13/10	14:41	
62053-9	2203/2	8.45777	8.50930	8.40623	0.86168	ug/L	10/13/10	14:41	
62053-9	1960/1	-1.36949	-2.19500	-0.54397	85.24728	ug/L	10/13/10	14:41	
62053-9	1960/2	-1.82809	0.67995	-4.33615	194.02294	ug/L	10/13/10	14:41	
62053-9	Y	1143.37060	1134.75109	1151.99023	1.06613		10/13/10	14:41	
62053-10	Ag	-0.49172	-0.12676	-0.85668	104.96363	ug/L	10/13/10	14:46	
62053-10	Al	2534.01806	2540.00634	2528.02954	0.33420	ug/L	10/13/10	14:46	
62053-10	2Al	2.53409	2.54008	2.52810	0.33420	mg/L	10/13/10	14:46	
62053-10	As	-1.69244	-2.74911	-0.63578	88.29486	ug/L	10/13/10	14:46	
62053-10	B	41.71296	40.39931	43.02661	4.45373	ug/L	10/13/10	14:46	
62053-10	Ba	156.41087	156.46377	156.35797	0.04783	ug/L	10/13/10	14:46	
62053-10	Be	0.16533	0.18531	0.14534	17.09347	ug/L	10/13/10	14:46	
62053-10	Ca	34605.16406	34548.03515	34662.29687	0.23347	ug/L	10/13/10	14:46	
62053-10	Cd	-0.26635	-0.34514	-0.18755	41.83447	ug/L	10/13/10	14:46	
62053-10	Co	5.36650	5.40246	5.33054	0.94771	ug/L	10/13/10	14:46	
62053-10	Cr	73.97241	74.00357	73.94126	0.05956	ug/L	10/13/10	14:46	
62053-10	Cu	84.61777	84.00937	85.22617	1.01681	ug/L	10/13/10	14:46	
62053-10	Fe	8165.49511	8125.53173	8205.45898	0.69214	ug/L	10/13/10	14:46	
62053-10	2Fe	8.16446	8.12450	8.20442	0.69214	mg/L	10/13/10	14:46	
62053-10	K	16101.20605	16092.22656	16110.18554	0.07886	ug/L	10/13/10	14:46	
62053-10	Mg	10412.27734	10390.65234	10433.90136	0.29370	ug/L	10/13/10	14:46	
62053-10	2Mg	10.40806	10.38645	10.42967	0.29365	mg/L	10/13/10	14:46	
62053-10	Mn	356.69274	356.34628	357.03921	0.13736	ug/L	10/13/10	14:46	
62053-10	Mo	11.07505	10.52864	11.62146	6.97728	ug/L	10/13/10	14:46	
62053-10	Na	4173696.50000	4162471.75000	4184921.25000	0.38033	ug/L	10/13/10	14:46	
62053-10	Ni	29.39687	29.44669	29.34705	0.23966	ug/L	10/13/10	14:46	
62053-10	Pb	9.47729	8.94419	10.01039	7.95496	ug/L	10/13/10	14:46	
62053-10	Se	0.33760	0.81947	-0.14426	201.85333	ug/L	10/13/10	14:46	
62053-10	Sb	4.39173	6.89216	1.89131	80.51780	ug/L	10/13/10	14:46	
62053-10	Sn	1.19801	1.74206	0.65396	64.22296	ug/L	10/13/10	14:46	
62053-10	Sr	290.35766	290.02456	290.69073	0.16223	ug/L	10/13/10	14:46	
62053-10	Ti	67.02439	68.67355	65.37525	3.47970	ug/L	10/13/10	14:46	
62053-10	Tl	1.51492	7.29309	-4.26324	539.40338	ug/L	10/13/10	14:46	
62053-10	V	9.45744	9.33794	9.57694	1.78688	ug/L	10/13/10	14:46	
62053-10	Zn	34.79311	34.53628	35.04994	1.04391	ug/L	10/13/10	14:46	
62053-10	2203/1	6.53689	5.14853	7.92525	30.03627	ug/L	10/13/10	14:46	
62053-10	2203/2	10.94528	10.83917	11.05139	1.37100	ug/L	10/13/10	14:46	
62053-10	1960/1	-3.43230	2.65324	-9.51785	250.74298	ug/L	10/13/10	14:46	
62053-10	1960/2	2.21973	-0.09603	4.53550	147.53991	ug/L	10/13/10	14:46	
62053-10	Y	1026.00439	1026.75976	1025.24914	0.10410		10/13/10	14:46	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-11	Ag	-0.53983	-0.38282	-0.69685	41.13364	ug/L	10/13/10	14:52	
62053-11	Al	4272.15136	4301.56689	4242.73583	0.97374	ug/L	10/13/10	14:52	
62053-11	2Al	4.27207	4.30149	4.24266	0.97382	mg/L	10/13/10	14:52	
62053-11	As	-0.40938	3.38126	-4.20003	1309.47155	ug/L	10/13/10	14:52	
62053-11	B	46.43577	47.65998	45.21156	3.72836	ug/L	10/13/10	14:52	
62053-11	Ba	284.03771	283.99023	284.08520	0.02364	ug/L	10/13/10	14:52	
62053-11	Be	0.35922	0.35933	0.35911	0.04368	ug/L	10/13/10	14:52	
62053-11	Ca	21296.02734	21269.14453	21322.91210	0.17852	ug/L	10/13/10	14:52	
62053-11	Cd	0.15669	0.17809	0.13530	19.31219	ug/L	10/13/10	14:52	
62053-11	Co	22.77710	22.86535	22.68885	0.54795	ug/L	10/13/10	14:52	
62053-11	Cr	79.16372	79.56596	78.76148	0.71857	ug/L	10/13/10	14:52	
62053-11	Cu	562.73858	562.43237	563.04479	0.07695	ug/L	10/13/10	14:52	
62053-11	Fe	14266.69140	14253.16308	14280.21875	0.13409	ug/L	10/13/10	14:52	
62053-11	2Fe	14.26489	14.25136	14.27841	0.13409	mg/L	10/13/10	14:52	
62053-11	K	25142.29492	25143.84960	25140.74023	0.00874	ug/L	10/13/10	14:52	
62053-11	Mg	8050.23974	8056.38427	8044.09521	0.10794	ug/L	10/13/10	14:52	
62053-11	2Mg	8.04584	8.05199	8.03970	0.10801	mg/L	10/13/10	14:52	
62053-11	Mn	851.32092	850.76849	851.87329	0.09176	ug/L	10/13/10	14:52	
62053-11	Mo	9.81704	9.40890	10.22518	5.87952	ug/L	10/13/10	14:52	
62053-11	Na	9508926.00000	9519351.00000	9498500.00000	0.15505	ug/L	10/13/10	14:52	
62053-11	Ni	50.65174	50.37564	50.92782	0.77085	ug/L	10/13/10	14:52	
62053-11	Pb	52.79177	51.97170	53.61184	2.19684	ug/L	10/13/10	14:52	
62053-11	Se	5.28295	3.67919	6.88672	42.93172	ug/L	10/13/10	14:52	
62053-11	Sb	12.45469	10.46721	14.44217	22.56754	ug/L	10/13/10	14:52	
62053-11	Sn	17.15692	19.38722	14.92663	18.38391	ug/L	10/13/10	14:52	
62053-11	Sr	231.78105	231.89175	231.67034	0.06754	ug/L	10/13/10	14:52	
62053-11	Ti	104.70029	105.44354	103.95704	1.00392	ug/L	10/13/10	14:52	
62053-11	Tl	1.58966	4.30910	-1.12977	241.92973	ug/L	10/13/10	14:52	
62053-11	V	25.83691	26.09105	25.58276	1.39110	ug/L	10/13/10	14:52	
62053-11	Zn	70.51223	70.73244	70.29203	0.44164	ug/L	10/13/10	14:52	
62053-11	2203/1	47.02574	43.35181	50.69967	11.04867	ug/L	10/13/10	14:52	
62053-11	2203/2	55.67046	56.27518	55.06574	1.53619	ug/L	10/13/10	14:52	
62053-11	1960/1	-1.15757	-8.56009	6.24494	904.36657	ug/L	10/13/10	14:52	
62053-11	1960/2	8.49839	9.78966	7.20713	21.48789	ug/L	10/13/10	14:52	
62053-11	Y	1010.77398	1016.73339	1004.81457	0.83380		10/13/10	14:52	
62053-12	Ag	-0.85768	-0.69328	-1.02209	27.10851	ug/L	10/13/10	14:57	
62053-12	Al	835.50665	834.79071	836.22259	0.12118	ug/L	10/13/10	14:57	
62053-12	2Al	0.83553	0.83481	0.83624	0.12117	mg/L	10/13/10	14:57	
62053-12	As	-0.05562	-2.62457	2.51333	6531.66015	ug/L	10/13/10	14:57	
62053-12	B	48.62373	47.28900	49.95846	3.88204	ug/L	10/13/10	14:57	
62053-12	Ba	209.19836	209.42329	208.97341	0.15206	ug/L	10/13/10	14:57	
62053-12	Be	0.21629	0.20900	0.22357	4.76555	ug/L	10/13/10	14:57	
62053-12	Ca	14240.37890	14167.52246	14313.23632	0.72354	ug/L	10/13/10	14:57	
62053-12	Cd	-0.03783	-0.25767	0.18200	821.75939	ug/L	10/13/10	14:57	
62053-12	Co	29.56538	28.91635	30.21441	3.10453	ug/L	10/13/10	14:57	
62053-12	Cr	49.32164	48.39360	50.24967	2.66097	ug/L	10/13/10	14:57	
62053-12	Cu	864.18627	867.15289	861.21960	0.48548	ug/L	10/13/10	14:57	
62053-12	Fe	4756.68457	4719.94238	4793.42724	1.09239	ug/L	10/13/10	14:57	
62053-12	2Fe	4.75609	4.71935	4.79283	1.09238	mg/L	10/13/10	14:57	
62053-12	K	36536.99218	36880.12890	36193.85937	1.32814	ug/L	10/13/10	14:57	
62053-12	Mg	4615.55712	4571.17089	4659.94335	1.36000	ug/L	10/13/10	14:57	
62053-12	2Mg	4.61351	4.56914	4.65788	1.36003	mg/L	10/13/10	14:57	
62053-12	Mn	206.86520	206.02391	207.70648	0.57513	ug/L	10/13/10	14:57	
62053-12	Mo	5.86568	6.29085	5.44051	10.25082	ug/L	10/13/10	14:57	
62053-12	Na	17887076.00000	17956708.00000	17817442.00000	0.55054	ug/L	10/13/10	14:57	
62053-12	Ni	25.11312	24.86924	25.35701	1.37341	ug/L	10/13/10	14:57	
62053-12	Pb	12.29806	12.08012	12.51600	2.50621	ug/L	10/13/10	14:57	
62053-12	Se	17.80385	16.96295	18.64476	6.67957	ug/L	10/13/10	14:57	
62053-12	Sb	-0.07071	-0.41101	0.26958	680.54418	ug/L	10/13/10	14:57	
62053-12	Sn	18.54347	18.11412	18.97284	3.27450	ug/L	10/13/10	14:57	
62053-12	Sr	158.29776	158.44953	158.14596	0.13560	ug/L	10/13/10	14:57	
62053-12	Ti	74.54547	75.38885	73.70209	1.59998	ug/L	10/13/10	14:57	
62053-12	Tl	21.11836	21.61753	20.61919	3.34274	ug/L	10/13/10	14:57	
62053-12	V	29.01094	28.50334	29.51855	2.47445	ug/L	10/13/10	14:57	
62053-12	Zn	15.64974	15.10062	16.19886	4.96221	ug/L	10/13/10	14:57	
62053-12	2203/1	13.00401	16.46545	9.54257	37.64388	ug/L	10/13/10	14:57	
62053-12	2203/2	11.94561	9.89074	14.00048	24.32717	ug/L	10/13/10	14:57	
62053-12	1960/1	20.08415	21.63856	18.52975	10.94526	ug/L	10/13/10	14:57	
62053-12	1960/2	16.66541	14.62864	18.70218	17.28385	ug/L	10/13/10	14:57	
62053-12	Y	976.86431	982.81958	970.90905	0.86214		10/13/10	14:57	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RINSE	Ag	-0.73583	-0.56687	-0.90478	32.47146	ug/L	10/13/10	15:02	
RINSE	Al	8.70144	4.64462	12.75826	65.93400	ug/L	10/13/10	15:02	
RINSE	2Al	0.00870	0.00464	0.01275	65.93386	mg/L	10/13/10	15:02	
RINSE	As	-2.43969	-3.76417	-1.11520	76.77620	ug/L	10/13/10	15:02	
RINSE	B	-0.67002	-0.12991	-1.21014	114.00032	ug/L	10/13/10	15:02	
RINSE	Ba	-0.15535	-0.23905	-0.07164	76.20388	ug/L	10/13/10	15:02	
RINSE	Be	-0.04637	-0.05817	-0.03456	36.00645	ug/L	10/13/10	15:02	
RINSE	Ca	10.89396	10.75232	11.03559	1.83862	ug/L	10/13/10	15:02	
RINSE	Cd	-0.38806	-0.23219	-0.54392	56.80132	ug/L	10/13/10	15:02	
RINSE	Co	0.04831	-0.25002	0.34666	873.20178	ug/L	10/13/10	15:02	
RINSE	Cr	0.68991	0.11832	1.26150	117.16728	ug/L	10/13/10	15:02	
RINSE	Cu	-0.82475	-2.15808	0.50857	228.62683	ug/L	10/13/10	15:02	
RINSE	Fe	-16.79676	-26.84524	-6.74827	84.60386	ug/L	10/13/10	15:02	
RINSE	2Fe	-0.01679	-0.02684	-0.00674	84.60463	mg/L	10/13/10	15:02	
RINSE	K	-28.88338	-35.78300	-21.98377	33.78248	ug/L	10/13/10	15:02	
RINSE	Mg	9.22608	6.36516	12.08701	43.85348	ug/L	10/13/10	15:02	
RINSE	2Mg	0.00922	0.00636	0.01208	43.81132	mg/L	10/13/10	15:02	
RINSE	Mn	0.36167	0.39833	0.32500	14.33691	ug/L	10/13/10	15:02	
RINSE	Mo	-4.48459	-3.11646	-5.85273	43.14389	ug/L	10/13/10	15:02	
RINSE	Na	12941.82128	12735.39453	13148.24804	2.25572	ug/L	10/13/10	15:02	
RINSE	Ni	0.51258	-0.16100	1.18617	185.84255	ug/L	10/13/10	15:02	
RINSE	Pb	1.88013	0.85266	2.90761	77.28497	ug/L	10/13/10	15:02	
RINSE	Se	-1.96513	-4.17018	0.23992	158.68743	ug/L	10/13/10	15:02	
RINSE	Sb	-7.72570	-10.90451	-4.54690	58.18889	ug/L	10/13/10	15:02	
RINSE	Sn	-8.80406	-9.45738	-8.15073	10.49445	ug/L	10/13/10	15:02	
RINSE	Sr	0.14836	0.14873	0.14799	0.35172	ug/L	10/13/10	15:02	
RINSE	Ti	-0.22032	-0.22041	-0.22023	0.05809	ug/L	10/13/10	15:02	
RINSE	Tl	2.74004	8.93793	-3.45784	319.88998	ug/L	10/13/10	15:02	
RINSE	V	-0.78147	-1.18431	-0.37862	72.90234	ug/L	10/13/10	15:02	
RINSE	Zn	0.79074	1.00576	0.57571	38.45627	ug/L	10/13/10	15:02	
RINSE	2203/1	-3.12081	-2.62074	-3.62089	22.66101	ug/L	10/13/10	15:02	
RINSE	2203/2	4.37686	2.58676	6.16696	57.84004	ug/L	10/13/10	15:02	
RINSE	1960/1	-9.04820	-9.11432	-8.98207	1.03351	ug/L	10/13/10	15:02	
RINSE	1960/2	1.57109	-1.70182	4.84400	294.61010	ug/L	10/13/10	15:02	
RINSE	Y	1110.63134	1108.30725	1112.95532	0.29592		10/13/10	15:02	
CCV	Ag	487.63790	488.18350	487.09231	0.15822	ug/L	10/13/10	15:08	
CCV	Al	4759.50195	4761.67138	4757.33251	0.06446	ug/L	10/13/10	15:08	
CCV	2Al	4.75942	4.76141	4.75742	0.05923	mg/L	10/13/10	15:08	
CCV	As	517.56811	514.10675	521.02947	0.94579	ug/L	10/13/10	15:08	
CCV	B	5137.33349	5135.85156	5138.81542	0.04079	ug/L	10/13/10	15:08	
CCV	Ba	4877.19628	4876.20312	4878.18945	0.02879	ug/L	10/13/10	15:08	
CCV	Be	536.11022	536.43359	535.78680	0.08530	ug/L	10/13/10	15:08	
CCV	Ca	5383.93652	5384.78906	5383.08349	0.02240	ug/L	10/13/10	15:08	
CCV	Cd	561.54577	562.37768	560.71392	0.20950	ug/L	10/13/10	15:08	
CCV	Co	535.24230	535.85217	534.63250	0.16112	ug/L	10/13/10	15:08	
CCV	Cr	5313.31542	5315.37500	5311.25537	0.05482	ug/L	10/13/10	15:08	
CCV	Cu	4769.31738	4767.99072	4770.64404	0.03933	ug/L	10/13/10	15:08	
CCV	Fe	5297.58154	5319.64062	5275.52246	0.58887	ug/L	10/13/10	15:08	
CCV	2Fe	5.29755	5.31961	5.27550	0.58881	mg/L	10/13/10	15:08	
CCV	K	9589.62695	9586.89843	9592.35644	0.04024	ug/L	10/13/10	15:08	
CCV	Mg	5516.07031	5519.80761	5512.33251	0.09582	ug/L	10/13/10	15:08	
CCV	2Mg	5.51596	5.51969	5.51223	0.09567	mg/L	10/13/10	15:08	
CCV	Mn	5207.01269	5204.90283	5209.12255	0.05730	ug/L	10/13/10	15:08	
CCV	Mo	532.09783	532.51000	531.68566	0.10954	ug/L	10/13/10	15:08	
CCV	Na	9239.98632	8472.57128	10007.40136	11.74556	ug/L	10/13/10	15:08	
CCV	Ni	2683.01171	2686.38598	2679.63769	0.17785	ug/L	10/13/10	15:08	
CCV	Pb	552.36730	550.64746	554.08715	0.44032	ug/L	10/13/10	15:08	
CCV	Se	5335.35253	5313.97851	5356.72705	0.56655	ug/L	10/13/10	15:08	
CCV	Sb	491.54577	492.96994	490.12158	0.40974	ug/L	10/13/10	15:08	
CCV	Sn	5460.78906	5465.85791	5455.72070	0.13126	ug/L	10/13/10	15:08	
CCV	Sr	2535.44384	2533.29589	2537.59179	0.11980	ug/L	10/13/10	15:08	
CCV	Ti	502.53527	502.01324	503.05731	0.14690	ug/L	10/13/10	15:08	
CCV	Tl	5352.14843	5353.94824	5350.34863	0.04755	ug/L	10/13/10	15:08	
CCV	V	5044.54101	5044.57128	5044.51074	0.00084	ug/L	10/13/10	15:08	
CCV	Zn	2845.84179	2847.52441	2844.15893	0.08362	ug/L	10/13/10	15:08	
CCV	2203/1	542.64843	546.37060	538.92626	0.97004	ug/L	10/13/10	15:08	
CCV	2203/2	557.21948	552.78265	561.65625	1.12605	ug/L	10/13/10	15:08	
CCV	1960/1	5201.92578	5201.96533	5201.88671	0.00106	ug/L	10/13/10	15:08	
CCV	1960/2	5401.96630	5369.90136	5434.03125	0.83944	ug/L	10/13/10	15:08	
CCV	Y	1140.13354	1143.13403	1137.13317	0.37217		10/13/10	15:08	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.14757	-0.10282	-0.19231	42.88047	ug/L	10/13/10	15:14	
CCB	Al	13.76405	14.15131	13.37678	3.97902	ug/L	10/13/10	15:14	
CCB	2Al	0.01376	0.01415	0.01337	3.97902	mg/L	10/13/10	15:14	
CCB	As	1.52212	1.61997	1.42427	9.09135	ug/L	10/13/10	15:14	
CCB	B	5.45136	6.42175	4.48098	25.17407	ug/L	10/13/10	15:14	
CCB	Ba	0.23897	0.00913	0.46881	136.01383	ug/L	10/13/10	15:14	
CCB	Be	0.01588	0.00285	0.02892	116.03306	ug/L	10/13/10	15:14	
CCB	Ca	-1.01512	-0.92964	-1.10060	11.90812	ug/L	10/13/10	15:14	
CCB	Cd	-0.41976	-0.45023	-0.38928	10.26797	ug/L	10/13/10	15:14	
CCB	Co	0.61494	0.45308	0.77680	37.22302	ug/L	10/13/10	15:14	
CCB	Cr	2.03961	1.43254	2.64668	42.09247	ug/L	10/13/10	15:14	
CCB	Cu	-0.05127	-0.65059	0.54803	1652.83947	ug/L	10/13/10	15:14	
CCB	Fe	-30.15842	-15.84729	-44.46956	67.10894	ug/L	10/13/10	15:14	
CCB	2Fe	-0.03015	-0.01584	-0.04446	67.10874	mg/L	10/13/10	15:14	
CCB	K	-47.75489	-46.04729	-49.46249	5.05689	ug/L	10/13/10	15:14	
CCB	Mg	10.58891	9.16765	12.01018	18.98180	ug/L	10/13/10	15:14	
CCB	2Mg	0.01059	0.00916	0.01201	19.00792	mg/L	10/13/10	15:14	
CCB	Mn	0.75823	0.33995	1.17651	78.01473	ug/L	10/13/10	15:14	
CCB	Mo	-3.78040	-3.17786	-4.38295	22.54057	ug/L	10/13/10	15:14	
CCB	Na	528.71484	343.29431	714.13543	49.59653	ug/L	10/13/10	15:14	
CCB	Ni	-0.19429	-0.80457	0.41599	444.21734	ug/L	10/13/10	15:14	
CCB	Pb	4.21627	4.00895	4.42359	6.95384	ug/L	10/13/10	15:14	
CCB	Se	-1.89027	-0.77922	-3.00133	83.12333	ug/L	10/13/10	15:14	
CCB	Sb	-5.45107	-4.29007	-6.61207	30.12064	ug/L	10/13/10	15:14	
CCB	Sn	-2.30965	-2.13774	-2.48156	10.52609	ug/L	10/13/10	15:14	
CCB	Sr	0.31564	0.11361	0.51766	90.51509	ug/L	10/13/10	15:14	
CCB	Ti	-0.06209	-0.17771	0.05353	263.35040	ug/L	10/13/10	15:14	
CCB	Tl	-1.74725	0.18654	-3.68105	156.51995	ug/L	10/13/10	15:14	
CCB	V	-1.00818	-1.33243	-0.68393	45.48398	ug/L	10/13/10	15:14	
CCB	Zn	1.42955	1.27277	1.58633	15.50997	ug/L	10/13/10	15:14	
CCB	2203/1	-6.49141	-5.18752	-7.79531	28.40647	ug/L	10/13/10	15:14	
CCB	2203/2	9.56209	8.60030	10.52388	14.22469	ug/L	10/13/10	15:14	
CCB	1960/1	-5.06028	-6.14449	-3.97607	30.30073	ug/L	10/13/10	15:14	
CCB	1960/2	-0.30765	1.89938	-2.51468	1014.52117	ug/L	10/13/10	15:14	
CCB	Y	1132.12414	1136.17871	1128.06958	0.50648		10/13/10	15:14	
62053-13 1/10	Ag	2.06336	6.39464	-2.26791	296.86279	ug/L	10/13/10	15:20	
62053-13 1/10	Al	147095.93750	148272.82812	145919.03125	1.13149	ug/L	10/13/10	15:20	
62053-13 1/10	2Al	147.09835	148.27423	145.92248	1.13049	mg/L	10/13/10	15:20	
62053-13 1/10	As	83.53748	86.80130	80.27366	5.52534	ug/L	10/13/10	15:20	
62053-13 1/10	B	52.49292	53.90617	51.07966	3.80745	ug/L	10/13/10	15:20	
62053-13 1/10	Ba	198.07629	200.06243	196.09014	1.41805	ug/L	10/13/10	15:20	
62053-13 1/10	Be	2.49704	2.73167	2.26241	13.28861	ug/L	10/13/10	15:20	
62053-13 1/10	Ca	1770.58203	1812.68225	1728.48193	3.36265	ug/L	10/13/10	15:20	
62053-13 1/10	Cd	-1.10665	0.09538	-2.30869	153.61137	ug/L	10/13/10	15:20	
62053-13 1/10	Co	81.55097	83.36893	79.73300	3.15261	ug/L	10/13/10	15:20	
62053-13 1/10	Cr	293.01477	297.88290	288.14663	2.34956	ug/L	10/13/10	15:20	
62053-13 1/10	Cu	112.96681	113.28717	112.64646	0.40105	ug/L	10/13/10	15:20	
62053-13 1/10	Fe	375929.40625	383380.68750	368478.12500	2.80310	ug/L	10/13/10	15:20	
62053-13 1/10	2Fe	375.87689	383.32452	368.42926	2.80212	mg/L	10/13/10	15:20	
62053-13 1/10	K	5634.14941	5813.45068	5454.84863	4.50058	ug/L	10/13/10	15:20	
62053-13 1/10	Mg	4331.58544	4435.38476	4227.78613	3.38893	ug/L	10/13/10	15:20	
62053-13 1/10	2Mg	4.26512	4.36759	4.16264	3.39784	mg/L	10/13/10	15:20	
62053-13 1/10	Mn	1874.10449	1906.96740	1841.24157	2.47986	ug/L	10/13/10	15:20	
62053-13 1/10	Mo	5.56283	9.70542	1.42023	105.31528	ug/L	10/13/10	15:20	
62053-13 1/10	Na	35624.91406	36939.62890	34310.19921	5.21906	ug/L	10/13/10	15:20	
62053-13 1/10	Ni	335.45391	346.30682	324.60101	4.57539	ug/L	10/13/10	15:20	
62053-13 1/10	Pb	182.31269	181.60530	183.02009	0.54873	ug/L	10/13/10	15:20	
62053-13 1/10	Se	10.58094	27.41378	-6.25189	224.98210	ug/L	10/13/10	15:20	
62053-13 1/10	Sb	8.98774	33.41320	-15.43770	384.33215	ug/L	10/13/10	15:20	
62053-13 1/10	Sn	11.96587	28.22152	-4.28977	192.12107	ug/L	10/13/10	15:20	
62053-13 1/10	Sr	25.01124	25.03669	24.98580	0.14385	ug/L	10/13/10	15:20	
62053-13 1/10	Ti	511.95892	513.50225	510.41558	0.42632	ug/L	10/13/10	15:20	
62053-13 1/10	Tl	23.68992	38.23251	9.14734	86.81462	ug/L	10/13/10	15:20	
62053-13 1/10	V	602.98059	618.52307	587.43804	3.64529	ug/L	10/13/10	15:20	
62053-13 1/10	Zn	562.84411	576.81140	548.87689	3.50944	ug/L	10/13/10	15:20	
62053-13 1/10	2203/1	193.68251	230.02626	157.33876	26.53715	ug/L	10/13/10	15:20	
62053-13 1/10	2203/2	176.63632	157.43112	195.84152	15.37637	ug/L	10/13/10	15:20	
62053-13 1/10	1960/1	12.47934	48.25511	-23.29641	405.42645	ug/L	10/13/10	15:20	
62053-13 1/10	1960/2	9.63316	17.00874	2.25758	108.27843	ug/L	10/13/10	15:20	
62053-13 1/10	Y	1118.47485	1136.89245	1100.05712	2.32875		10/13/10	15:20	

d101310

SMPLNAME.....	ELEM..	AVER.....,...	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	489.24990	489.43862	489.06118	0.05455	ug/L	10/13/10	15:26	
CCV	Al	4832.73144	4841.75000	4823.71240	0.26391	ug/L	10/13/10	15:26	
CCV	2Al	4.83264	4.84165	4.82362	0.26392	mg/L	10/13/10	15:26	
CCV	As	502.87979	503.66217	502.09741	0.22002	ug/L	10/13/10	15:26	
CCV	B	5065.50683	5063.61230	5067.40185	0.05289	ug/L	10/13/10	15:26	
CCV	Ba	4953.63330	4962.74267	4944.52392	0.26006	ug/L	10/13/10	15:26	
CCV	Be	519.22796	518.97369	519.48223	0.06925	ug/L	10/13/10	15:26	
CCV	Ca	5182.56054	5176.87646	5188.24414	0.15510	ug/L	10/13/10	15:26	
CCV	Cd	535.76074	534.49786	537.02368	0.33336	ug/L	10/13/10	15:26	
CCV	Co	516.49816	515.68725	517.30908	0.22203	ug/L	10/13/10	15:26	
CCV	Cr	5161.31689	5156.15332	5166.48046	0.14148	ug/L	10/13/10	15:26	
CCV	Cu	4848.85546	4858.52001	4839.19140	0.28186	ug/L	10/13/10	15:26	
CCV	Fe	5127.80029	5117.32031	5138.28027	0.28903	ug/L	10/13/10	15:26	
CCV	2Fe	5.12778	5.11730	5.13826	0.28898	mg/L	10/13/10	15:26	
CCV	K	9919.23535	9938.00390	9900.46679	0.26758	ug/L	10/13/10	15:26	
CCV	Mg	5206.31787	5196.90673	5215.72900	0.25563	ug/L	10/13/10	15:26	
CCV	2Mg	5.20628	5.19687	5.21568	0.25552	mg/L	10/13/10	15:26	
CCV	Mn	5094.77490	5093.98828	5095.56152	0.02183	ug/L	10/13/10	15:26	
CCV	Mo	518.66809	519.17749	518.15875	0.13888	ug/L	10/13/10	15:26	
CCV	Na	7956.66455	7680.62597	8232.70312	4.90629	ug/L	10/13/10	15:26	
CCV	Ni	2583.16796	2581.77807	2584.55761	0.07608	ug/L	10/13/10	15:26	
CCV	Pb	526.39886	526.15539	526.64233	0.06541	ug/L	10/13/10	15:26	
CCV	Se	5228.70507	5216.95947	5240.45019	0.31767	ug/L	10/13/10	15:26	
CCV	Sb	494.68542	493.31481	496.05599	0.39182	ug/L	10/13/10	15:26	
CCV	Sn	5206.28222	5188.70800	5223.85693	0.47738	ug/L	10/13/10	15:26	
CCV	Sr	2565.18212	2567.34423	2563.02026	0.11919	ug/L	10/13/10	15:26	
CCV	Ti	497.90667	498.12710	497.68621	0.06261	ug/L	10/13/10	15:26	
CCV	Tl	5219.05908	5221.97558	5216.14257	0.07902	ug/L	10/13/10	15:26	
CCV	V	4964.59179	4965.14111	4964.04199	0.01565	ug/L	10/13/10	15:26	
CCV	Zn	2666.49755	2658.85913	2674.13574	0.40510	ug/L	10/13/10	15:26	
CCV	2203/1	519.59558	524.55114	514.64001	1.34878	ug/L	10/13/10	15:26	
CCV	2203/2	529.79541	526.95629	532.63452	0.75786	ug/L	10/13/10	15:26	
CCV	1960/1	5097.97119	5102.38476	5093.55761	0.12243	ug/L	10/13/10	15:26	
CCV	1960/2	5293.97363	5274.16113	5313.78613	0.52926	ug/L	10/13/10	15:26	
CCV	Y	1066.53759	1065.08923	1067.98583	0.19204		10/13/10	15:26	
CCB	Ag	-3.60707	-0.90832	-6.30582	105.80893	ug/L	10/13/10	15:32	
CCB	Al	12.90561	15.19195	10.61928	25.05393	ug/L	10/13/10	15:32	
CCB	2Al	0.01290	0.01519	0.01061	25.05373	mg/L	10/13/10	15:32	
CCB	As	-4.07620	0.61423	-8.76663	162.73194	ug/L	10/13/10	15:32	
CCB	B	5.09844	6.01616	4.18072	25.45587	ug/L	10/13/10	15:32	
CCB	Ba	-0.11820	-0.27293	0.03652	185.11326	ug/L	10/13/10	15:32	
CCB	Be	-0.10014	-0.09656	-0.10371	5.04807	ug/L	10/13/10	15:32	
CCB	Ca	-5.62659	-4.78496	-6.46821	21.15384	ug/L	10/13/10	15:32	
CCB	Cd	-0.89536	-0.83712	-0.95359	9.19821	ug/L	10/13/10	15:32	
CCB	Co	0.00442	0.22909	-0.22023	7172.97558	ug/L	10/13/10	15:32	
CCB	Cr	0.15749	-0.26812	0.58311	382.17205	ug/L	10/13/10	15:32	
CCB	Cu	-1.10139	-1.21654	-0.98624	14.78583	ug/L	10/13/10	15:32	
CCB	Fe	-58.16324	-42.80144	-73.52504	37.35153	ug/L	10/13/10	15:32	
CCB	2Fe	-0.05815	-0.04279	-0.07351	37.35173	mg/L	10/13/10	15:32	
CCB	K	-101.31051	-61.72652	-140.89451	55.25608	ug/L	10/13/10	15:32	
CCB	Mg	0.15385	3.29185	-2.98414	2884.35888	ug/L	10/13/10	15:32	
CCB	2Mg	0.00016	0.00329	-0.00296	2697.65063	mg/L	10/13/10	15:32	
CCB	Mn	0.59120	0.32908	0.85333	62.70265	ug/L	10/13/10	15:32	
CCB	Mo	-5.01787	-3.72513	-6.31062	36.43410	ug/L	10/13/10	15:32	
CCB	Na	-371.23510	-279.74133	-462.72891	34.85439	ug/L	10/13/10	15:32	
CCB	Ni	-1.69757	-0.38735	-3.00779	109.15132	ug/L	10/13/10	15:32	
CCB	Pb	2.88916	1.89038	3.88795	48.88935	ug/L	10/13/10	15:32	
CCB	Se	-5.71753	-3.60847	-7.82659	52.16682	ug/L	10/13/10	15:32	
CCB	Sb	-12.56064	-7.33454	-17.78674	58.84107	ug/L	10/13/10	15:32	
CCB	Sn	-12.59602	-9.37353	-15.81851	36.18040	ug/L	10/13/10	15:32	
CCB	Sr	0.26204	0.10022	0.42386	87.33038	ug/L	10/13/10	15:32	
CCB	Ti	-0.46655	-0.36076	-0.57235	32.06834	ug/L	10/13/10	15:32	
CCB	Tl	-5.60079	-1.03734	-10.16424	115.22814	ug/L	10/13/10	15:32	
CCB	V	-3.24464	-2.28717	-4.20210	41.73218	ug/L	10/13/10	15:32	
CCB	Zn	0.41837	0.37936	0.45738	13.18741	ug/L	10/13/10	15:32	
CCB	2203/1	-15.31608	-5.00044	-25.63172	95.24961	ug/L	10/13/10	15:32	
CCB	2203/2	11.97815	5.33063	18.62566	78.48462	ug/L	10/13/10	15:32	
CCB	1960/1	-19.49767	-4.67251	-34.32283	107.53049	ug/L	10/13/10	15:32	
CCB	1960/2	1.16220	-3.07726	5.40166	515.87451	ug/L	10/13/10	15:32	
CCB	Y	1029.16259	1036.62854	1021.69677	1.02591		10/13/10	15:32	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-13 1/10	Ag	-0.88114	-0.75570	-1.00658	20.13289	ug/L	10/13/10	15:38	
62053-13 1/10	Al	167469.82812	168992.14062	165947.51562	1.28553	ug/L	10/13/10	15:38	
62053-13 1/10	2Al	167.46139	168.97819	165.94459	1.28093	mg/L	10/13/10	15:38	
62053-13 1/10	As	61.77677	61.52394	62.02960	0.57879	ug/L	10/13/10	15:38	
62053-13 1/10	B	58.73384	60.71355	56.75413	4.76681	ug/L	10/13/10	15:38	
62053-13 1/10	Ba	224.04571	226.15980	221.93161	1.33445	ug/L	10/13/10	15:38	
62053-13 1/10	Be	2.53698	2.56347	2.51048	1.47694	ug/L	10/13/10	15:38	
62053-13 1/10	Ca	1736.97192	1742.85864	1731.08520	0.47928	ug/L	10/13/10	15:38	
62053-13 1/10	Cd	-1.36011	-1.24014	-1.48008	12.47431	ug/L	10/13/10	15:38	
62053-13 1/10	Co	80.63431	81.31277	79.95585	1.18992	ug/L	10/13/10	15:38	
62053-13 1/10	Cr	299.42852	301.11117	297.74584	0.79472	ug/L	10/13/10	15:38	
62053-13 1/10	Cu	115.24192	116.59864	113.88520	1.66492	ug/L	10/13/10	15:38	
62053-13 1/10	Fe	373548.96875	375158.12500	371939.81250	0.60920	ug/L	10/13/10	15:38	
62053-13 1/10	2Fe	373.47247	375.06958	371.87533	0.60477	mg/L	10/13/10	15:38	
62053-13 1/10	K	7719.74072	7816.00439	7623.47705	1.76349	ug/L	10/13/10	15:38	
62053-13 1/10	Mg	4990.73730	5009.17626	4972.29882	0.52249	ug/L	10/13/10	15:38	
62053-13 1/10	2Mg	4.92451	4.94267	4.90635	0.52142	mg/L	10/13/10	15:38	
62053-13 1/10	Mn	1879.07055	1888.41369	1869.72753	0.70317	ug/L	10/13/10	15:38	
62053-13 1/10	Mo	3.53489	3.56676	3.50302	1.27491	ug/L	10/13/10	15:38	
62053-13 1/10	Na	35308.27343	35860.13671	34756.40625	2.21040	ug/L	10/13/10	15:38	
62053-13 1/10	Ni	340.18304	341.03198	339.33407	0.35292	ug/L	10/13/10	15:38	
62053-13 1/10	Pb	178.66470	180.52738	176.80203	1.47439	ug/L	10/13/10	15:38	
62053-13 1/10	Se	-1.03969	-0.03876	-2.04062	136.14811	ug/L	10/13/10	15:38	
62053-13 1/10	Sb	-5.43259	-5.39347	-5.47171	1.01835	ug/L	10/13/10	15:38	
62053-13 1/10	Sn	3.67580	5.42661	1.92499	67.35995	ug/L	10/13/10	15:38	
62053-13 1/10	Sr	30.60817	30.87935	30.33699	1.25294	ug/L	10/13/10	15:38	
62053-13 1/10	Ti	1082.63671	1094.69738	1070.57592	1.57545	ug/L	10/13/10	15:38	
62053-13 1/10	Tl	8.25727	8.93151	7.58303	11.54768	ug/L	10/13/10	15:38	
62053-13 1/10	V	618.03051	622.40020	613.66082	0.99989	ug/L	10/13/10	15:38	
62053-13 1/10	Zn	565.87042	567.13616	564.60467	0.31633	ug/L	10/13/10	15:38	
62053-13 1/10	2203/1	166.95956	167.23283	166.68630	0.23146	ug/L	10/13/10	15:38	
62053-13 1/10	2203/2	184.50851	187.16470	181.85231	2.03591	ug/L	10/13/10	15:38	
62053-13 1/10	1960/1	-2.16180	-0.50275	-3.82085	108.53212	ug/L	10/13/10	15:38	
62053-13 1/10	1960/2	-0.47948	0.19287	-1.15184	198.30993	ug/L	10/13/10	15:38	
62053-13 1/10	Y	1065.80297	1060.25024	1071.35571	0.73679		10/13/10	15:38	
62053-14 1/10	Ag	1.91034	0.36318	3.45751	114.53528	ug/L	10/13/10	15:43	
62053-14 1/10	Al	135830.56250	136618.81250	135042.29687	0.82070	ug/L	10/13/10	15:43	
62053-14 1/10	2Al	135.82901	136.61813	135.03990	0.82160	mg/L	10/13/10	15:43	
62053-14 1/10	As	130.19943	129.99226	130.40660	0.22502	ug/L	10/13/10	15:43	
62053-14 1/10	B	50.35857	51.76400	48.95315	3.94684	ug/L	10/13/10	15:43	
62053-14 1/10	Ba	202.89410	204.17955	201.60864	0.89598	ug/L	10/13/10	15:43	
62053-14 1/10	Be	2.85355	2.79037	2.91672	3.13086	ug/L	10/13/10	15:43	
62053-14 1/10	Ca	2114.24121	2092.76025	2135.72216	1.43685	ug/L	10/13/10	15:43	
62053-14 1/10	Cd	0.05448	-0.11037	0.21934	427.88092	ug/L	10/13/10	15:43	
62053-14 1/10	Co	105.62248	106.42345	104.82150	1.07245	ug/L	10/13/10	15:43	
62053-14 1/10	Cr	214.38008	214.46936	214.29080	0.05889	ug/L	10/13/10	15:43	
62053-14 1/10	Cu	129.82337	131.93672	127.71004	2.30213	ug/L	10/13/10	15:43	
62053-14 1/10	Fe	311847.90625	309780.65625	313915.15625	0.93748	ug/L	10/13/10	15:43	
62053-14 1/10	2Fe	311.79620	309.73126	313.86111	0.93658	mg/L	10/13/10	15:43	
62053-14 1/10	K	9089.51367	9164.36425	9014.66210	1.16458	ug/L	10/13/10	15:43	
62053-14 1/10	Mg	5310.54589	5252.66699	5368.42529	1.54133	ug/L	10/13/10	15:43	
62053-14 1/10	2Mg	5.25488	5.19738	5.31239	1.54750	mg/L	10/13/10	15:43	
62053-14 1/10	Mn	1466.96289	1462.36975	1471.55603	0.44279	ug/L	10/13/10	15:43	
62053-14 1/10	Mo	14.74322	13.62377	15.86268	10.73812	ug/L	10/13/10	15:43	
62053-14 1/10	Na	254511.37500	256238.57812	252784.18750	0.95973	ug/L	10/13/10	15:43	
62053-14 1/10	Ni	579.00683	574.23498	583.77862	1.16550	ug/L	10/13/10	15:43	
62053-14 1/10	Pb	141.82997	141.11871	142.54122	0.70920	ug/L	10/13/10	15:43	
62053-14 1/10	Se	10.02017	0.45658	19.58375	134.97724	ug/L	10/13/10	15:43	
62053-14 1/10	Sb	11.45940	2.49111	20.42768	110.67827	ug/L	10/13/10	15:43	
62053-14 1/10	Sn	13.98780	8.58489	19.39070	54.62518	ug/L	10/13/10	15:43	
62053-14 1/10	Sr	25.08649	25.42315	24.74982	1.89787	ug/L	10/13/10	15:43	
62053-14 1/10	Ti	293.94006	301.23391	286.64620	3.50924	ug/L	10/13/10	15:43	
62053-14 1/10	Tl	24.53068	25.08837	23.97299	3.21514	ug/L	10/13/10	15:43	
62053-14 1/10	V	468.71926	465.76284	471.67568	0.89200	ug/L	10/13/10	15:43	
62053-14 1/10	Zn	869.10351	856.76416	881.44293	2.00787	ug/L	10/13/10	15:43	
62053-14 1/10	2203/1	157.63299	137.73379	177.53219	17.85268	ug/L	10/13/10	15:43	
62053-14 1/10	2203/2	133.94030	142.80863	125.07196	9.36366	ug/L	10/13/10	15:43	
62053-14 1/10	1960/1	15.76373	1.07928	30.44818	131.73878	ug/L	10/13/10	15:43	
62053-14 1/10	1960/2	7.15269	0.14570	14.15968	138.54051	ug/L	10/13/10	15:43	
62053-14 1/10	Y	1113.12963	1097.09399	1129.16516	2.03729		10/13/10	15:43	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-15	Ag	0.38871	0.63293	0.14450	88.84750	ug/L	10/13/10	15:48	
62053-15	Al	25828.21484	25986.92773	25669.50195	0.86902	ug/L	10/13/10	15:48	
62053-15	2Al	25.82720	25.98657	25.66783	0.87267	mg/L	10/13/10	15:48	
62053-15	As	29.83486	25.30752	34.36220	21.46022	ug/L	10/13/10	15:48	
62053-15	B	139.66867	138.35671	140.98063	1.32842	ug/L	10/13/10	15:48	
62053-15	Ba	34.87482	35.41663	34.33300	2.19712	ug/L	10/13/10	15:48	
62053-15	Be	0.47405	0.51954	0.42857	13.56825	ug/L	10/13/10	15:48	
62053-15	Ca	744.02990	746.65026	741.40948	0.49807	ug/L	10/13/10	15:48	
62053-15	Cd	-0.10391	-0.02446	-0.18336	108.12538	ug/L	10/13/10	15:48	
62053-15	Co	14.11759	13.78303	14.45214	3.35139	ug/L	10/13/10	15:48	
62053-15	Cr	86.95953	87.05330	86.86576	0.15250	ug/L	10/13/10	15:48	
62053-15	Cu	19.33139	19.31509	19.34770	0.11925	ug/L	10/13/10	15:48	
62053-15	Fe	40422.53515	40487.17968	40357.89062	0.22616	ug/L	10/13/10	15:48	
62053-15	2Fe	40.41467	40.48067	40.34868	0.23093	mg/L	10/13/10	15:48	
62053-15	K	10782.87890	10883.90234	10681.85546	1.32495	ug/L	10/13/10	15:48	
62053-15	Mg	1224.71850	1230.02612	1219.41101	0.61287	ug/L	10/13/10	15:48	
62053-15	2Mg	1.21736	1.22265	1.21206	0.61506	mg/L	10/13/10	15:48	
62053-15	Mn	205.97384	206.17926	205.76843	0.14103	ug/L	10/13/10	15:48	
62053-15	Mo	29.26150	27.66722	30.85578	7.70518	ug/L	10/13/10	15:48	
62053-15	Na	5898846.00000	5933474.00000	5864217.50000	0.83019	ug/L	10/13/10	15:48	
62053-15	Ni	81.74715	81.99789	81.49641	0.43377	ug/L	10/13/10	15:48	
62053-15	Pb	20.44972	20.43144	20.46801	0.12642	ug/L	10/13/10	15:48	
62053-15	Se	16.89295	15.67614	18.10977	10.18671	ug/L	10/13/10	15:48	
62053-15	Sb	2.90351	8.95562	-3.14859	294.77957	ug/L	10/13/10	15:48	
62053-15	Sn	10.18663	13.82519	6.54808	50.51413	ug/L	10/13/10	15:48	
62053-15	Sr	8.16872	8.18557	8.15188	0.29162	ug/L	10/13/10	15:48	
62053-15	Ti	349.09710	355.38537	342.80883	2.54741	ug/L	10/13/10	15:48	
62053-15	Tl	3.85085	3.10961	4.59209	27.22170	ug/L	10/13/10	15:48	
62053-15	V	90.89064	92.56330	89.21797	2.60258	ug/L	10/13/10	15:48	
62053-15	Zn	129.87939	129.77619	129.98257	0.11235	ug/L	10/13/10	15:48	
62053-15	2203/1	23.65000	25.48973	21.81028	11.00110	ug/L	10/13/10	15:48	
62053-15	2203/2	18.85198	17.90609	19.79788	7.09577	ug/L	10/13/10	15:48	
62053-15	1960/1	12.13921	16.26187	8.01654	48.02888	ug/L	10/13/10	15:48	
62053-15	1960/2	19.26627	15.38371	23.14882	28.49933	ug/L	10/13/10	15:48	
62053-15	Y	903.69567	898.42517	908.96618	0.82479		10/13/10	15:48	
62053-16	Ag	-0.01208	-1.08076	1.05660	12508.95800	ug/L	10/13/10	15:53	
62053-16	Al	5149.25048	5158.06396	5140.43701	0.24205	ug/L	10/13/10	15:53	
62053-16	2Al	5.14923	5.15788	5.14059	0.23741	mg/L	10/13/10	15:53	
62053-16	As	6.39534	5.05466	7.73602	29.64677	ug/L	10/13/10	15:53	
62053-16	B	27.25644	28.16733	26.34554	4.72621	ug/L	10/13/10	15:53	
62053-16	Ba	98.65470	98.69416	98.61524	0.05657	ug/L	10/13/10	15:53	
62053-16	Be	0.73650	0.73769	0.73532	0.22834	ug/L	10/13/10	15:53	
62053-16	Ca	40318.57421	40388.27734	40248.87109	0.24449	ug/L	10/13/10	15:53	
62053-16	Cd	0.20601	0.08340	0.32862	84.16497	ug/L	10/13/10	15:53	
62053-16	Co	14.47912	14.61525	14.34298	1.32968	ug/L	10/13/10	15:53	
62053-16	Cr	15.56553	15.76696	15.36409	1.83014	ug/L	10/13/10	15:53	
62053-16	Cu	8.33459	8.37307	8.29611	0.65287	ug/L	10/13/10	15:53	
62053-16	Fe	11971.75000	11963.49511	11980.00488	0.09751	ug/L	10/13/10	15:53	
62053-16	2Fe	11.97023	11.96198	11.97849	0.09751	mg/L	10/13/10	15:53	
62053-16	K	14875.39843	14851.94531	14898.85156	0.22297	ug/L	10/13/10	15:53	
62053-16	Mg	12477.46875	12494.37011	12460.56640	0.19156	ug/L	10/13/10	15:53	
62053-16	2Mg	12.47240	12.48930	12.45550	0.19160	mg/L	10/13/10	15:53	
62053-16	Mn	1225.06127	1225.74096	1224.38159	0.07846	ug/L	10/13/10	15:53	
62053-16	Mo	0.73270	-0.59720	2.06261	256.68841	ug/L	10/13/10	15:53	
62053-16	Na	3504334.00000	3508404.25000	3500264.00000	0.16425	ug/L	10/13/10	15:53	
62053-16	Ni	69.57756	69.88278	69.27232	0.62040	ug/L	10/13/10	15:53	
62053-16	Pb	8.17182	8.26642	8.07722	1.63717	ug/L	10/13/10	15:53	
62053-16	Se	-0.26865	-1.84258	1.30528	828.53961	ug/L	10/13/10	15:53	
62053-16	Sb	-7.16144	-11.25973	-3.06315	80.93133	ug/L	10/13/10	15:53	
62053-16	Sn	-3.56156	-6.16905	-0.95407	103.53725	ug/L	10/13/10	15:53	
62053-16	Sr	194.02627	194.18095	193.87159	0.11274	ug/L	10/13/10	15:53	
62053-16	Ti	71.19673	72.27356	70.11990	2.13896	ug/L	10/13/10	15:53	
62053-16	Tl	4.53866	4.49739	4.57993	1.28599	ug/L	10/13/10	15:53	
62053-16	V	14.08943	13.61507	14.56378	4.76127	ug/L	10/13/10	15:53	
62053-16	Zn	82.69386	82.82290	82.56481	0.22069	ug/L	10/13/10	15:53	
62053-16	2203/1	6.08755	1.72624	10.44886	101.31864	ug/L	10/13/10	15:53	
62053-16	2203/2	9.21239	11.53161	6.89317	35.60278	ug/L	10/13/10	15:53	
62053-16	1960/1	-0.20318	-6.28014	5.87377	4229.71191	ug/L	10/13/10	15:53	
62053-16	1960/2	-0.30133	0.37286	-0.97553	316.41223	ug/L	10/13/10	15:53	
62053-16	Y	1198.80224	1194.49450	1203.10986	0.50817		10/13/10	15:53	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-17	Ag	-0.96275	-1.13887	-0.78664	25.87036	ug/L	10/13/10	15:58	
62053-17	Al	12003.52050	12058.97265	11948.06835	0.65331	ug/L	10/13/10	15:58	
62053-17	2Al	12.00348	12.05933	11.94763	0.65799	mg/L	10/13/10	15:58	
62053-17	As	18.13123	20.38250	15.87996	17.55963	ug/L	10/13/10	15:58	
62053-17	B	135.65361	135.47012	135.83709	0.19128	ug/L	10/13/10	15:58	
62053-17	Ba	21.88886	22.14214	21.63558	1.63642	ug/L	10/13/10	15:58	
62053-17	Be	0.14330	0.16902	0.11758	25.37841	ug/L	10/13/10	15:58	
62053-17	Ca	1115.74707	1115.95776	1115.53625	0.02671	ug/L	10/13/10	15:58	
62053-17	Cd	-0.20230	-0.19080	-0.21381	8.04137	ug/L	10/13/10	15:58	
62053-17	Co	3.00262	3.04013	2.96512	1.76646	ug/L	10/13/10	15:58	
62053-17	Cr	119.40892	119.60679	119.21104	0.23435	ug/L	10/13/10	15:58	
62053-17	Cu	7.90358	8.48497	7.32220	10.40286	ug/L	10/13/10	15:58	
62053-17	Fe	11590.90820	11590.17187	11591.64453	0.00898	ug/L	10/13/10	15:58	
62053-17	2Fe	11.58944	11.58870	11.59017	0.00897	mg/L	10/13/10	15:58	
62053-17	K	26222.20898	26224.99218	26219.42578	0.01501	ug/L	10/13/10	15:58	
62053-17	Mg	414.25125	419.88705	408.61544	1.92400	ug/L	10/13/10	15:58	
62053-17	2Mg	0.41212	0.41775	0.40649	1.93345	mg/L	10/13/10	15:58	
62053-17	Mn	62.00331	62.15674	61.84988	0.34995	ug/L	10/13/10	15:58	
62053-17	Mo	21.81188	19.39811	24.22566	15.65013	ug/L	10/13/10	15:58	
62053-17	Na	14308310.00000	14256785.00000	14359834.00000	0.50926	ug/L	10/13/10	15:58	
62053-17	Ni	24.50318	24.62963	24.37673	0.72981	ug/L	10/13/10	15:58	
62053-17	Pb	7.35439	8.53380	6.17498	22.67939	ug/L	10/13/10	15:58	
62053-17	Se	28.34958	31.72973	24.96943	16.86181	ug/L	10/13/10	15:58	
62053-17	Sb	-6.26235	-5.77434	-6.75035	11.02055	ug/L	10/13/10	15:58	
62053-17	Sn	30.21071	32.83927	27.58216	12.30470	ug/L	10/13/10	15:58	
62053-17	Sr	14.36941	14.43489	14.30393	0.64445	ug/L	10/13/10	15:58	
62053-17	Ti	197.91949	202.38336	193.45564	3.18960	ug/L	10/13/10	15:58	
62053-17	Tl	19.53833	20.22358	18.85308	4.95993	ug/L	10/13/10	15:58	
62053-17	V	39.20837	39.86172	38.55502	2.35656	ug/L	10/13/10	15:58	
62053-17	Zn	41.15250	41.61251	40.69248	1.58084	ug/L	10/13/10	15:58	
62053-17	2203/1	2.25101	2.48641	2.01561	14.78916	ug/L	10/13/10	15:58	
62053-17	2203/2	9.90225	11.55296	8.25155	23.57487	ug/L	10/13/10	15:58	
62053-17	1960/1	21.84925	20.62851	23.06999	7.90135	ug/L	10/13/10	15:58	
62053-17	1960/2	31.59487	37.27202	25.91772	25.41139	ug/L	10/13/10	15:58	
62053-17	Y	761.53747	758.80261	764.27227	0.50787		10/13/10	15:58	
62053-18	Ag	-0.75955	-0.79413	-0.72496	6.44001	ug/L	10/13/10	16:04	
62053-18	Al	20237.03320	20230.18750	20243.87890	0.04783	ug/L	10/13/10	16:04	
62053-18	2Al	20.23609	20.22872	20.24346	0.05152	mg/L	10/13/10	16:04	
62053-18	As	25.54237	25.66111	25.42363	0.65743	ug/L	10/13/10	16:04	
62053-18	B	32.06216	32.18893	31.93539	0.55914	ug/L	10/13/10	16:04	
62053-18	Ba	62.40180	62.41952	62.38408	0.04016	ug/L	10/13/10	16:04	
62053-18	Be	2.99064	2.99215	2.98913	0.07125	ug/L	10/13/10	16:04	
62053-18	Ca	1080.81420	1081.32824	1080.30029	0.06725	ug/L	10/13/10	16:04	
62053-18	Cd	0.00767	0.00575	0.00960	35.42825	ug/L	10/13/10	16:04	
62053-18	Co	39.52281	39.59662	39.44900	0.26410	ug/L	10/13/10	16:04	
62053-18	Cr	14.72665	14.82651	14.62680	0.95891	ug/L	10/13/10	16:04	
62053-18	Cu	18.68218	18.75288	18.61148	0.53517	ug/L	10/13/10	16:04	
62053-18	Fe	42463.84375	42500.47656	42427.21093	0.12200	ug/L	10/13/10	16:04	
62053-18	2Fe	42.45528	42.49075	42.41980	0.11816	mg/L	10/13/10	16:04	
62053-18	K	5128.57666	5128.94531	5128.20800	0.01016	ug/L	10/13/10	16:04	
62053-18	Mg	3325.57568	3334.84472	3316.30664	0.39416	ug/L	10/13/10	16:04	
62053-18	2Mg	3.31835	3.32761	3.30909	0.39466	mg/L	10/13/10	16:04	
62053-18	Mn	2592.49414	2593.43432	2591.55395	0.05128	ug/L	10/13/10	16:04	
62053-18	Mo	-0.88775	-0.95951	-0.81599	11.43199	ug/L	10/13/10	16:04	
62053-18	Na	19994.57421	19979.18945	20009.95703	0.10880	ug/L	10/13/10	16:04	
62053-18	Ni	188.37539	188.50128	188.24952	0.09450	ug/L	10/13/10	16:04	
62053-18	Pb	21.62840	21.73302	21.52379	0.68406	ug/L	10/13/10	16:04	
62053-18	Se	-0.13076	-0.68401	0.42249	598.35235	ug/L	10/13/10	16:04	
62053-18	Sb	-6.97935	-7.15976	-6.79894	3.65557	ug/L	10/13/10	16:04	
62053-18	Sn	-6.31278	-6.50375	-6.12181	4.27810	ug/L	10/13/10	16:04	
62053-18	Sr	7.66489	7.68744	7.64233	0.41612	ug/L	10/13/10	16:04	
62053-18	Ti	61.59626	62.17665	61.01587	1.33254	ug/L	10/13/10	16:04	
62053-18	Tl	6.26529	5.98656	6.54402	6.29149	ug/L	10/13/10	16:04	
62053-18	V	50.69077	50.85703	50.52452	0.46383	ug/L	10/13/10	16:04	
62053-18	Zn	327.02850	327.70190	326.35513	0.29120	ug/L	10/13/10	16:04	
62053-18	2203/1	18.85669	18.32259	19.39079	4.00563	ug/L	10/13/10	16:04	
62053-18	2203/2	23.01218	23.43568	22.58868	2.60260	ug/L	10/13/10	16:04	
62053-18	1960/1	-1.29387	-2.09540	-0.49234	87.60761	ug/L	10/13/10	16:04	
62053-18	1960/2	0.44992	0.02061	0.87922	134.94030	ug/L	10/13/10	16:04	
62053-18	Y	8546.69628	8558.91796	8534.47460	0.20223		10/13/10	16:04	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-19	Ag	-0.19518	0.02375	-0.41411	158.63066	ug/L	10/13/10	16:09	
62053-19	Al	4696.81250	4771.19384	4622.43115	2.23962	ug/L	10/13/10	16:09	
62053-19	2Al	4.69676	4.77096	4.62256	2.23417	mg/L	10/13/10	16:09	
62053-19	As	9.17904	7.95640	10.40169	18.83723	ug/L	10/13/10	16:09	
62053-19	B	69.48834	70.80986	68.16683	2.68952	ug/L	10/13/10	16:09	
62053-19	Ba	17.20361	17.38842	17.01880	1.51921	ug/L	10/13/10	16:09	
62053-19	Be	0.33839	0.32346	0.35332	6.23944	ug/L	10/13/10	16:09	
62053-19	Ca	1831.35351	1831.33398	1831.37316	0.00151	ug/L	10/13/10	16:09	
62053-19	Cd	-0.60148	-0.56948	-0.63349	7.52569	ug/L	10/13/10	16:09	
62053-19	Co	11.33168	11.52852	11.13484	2.45665	ug/L	10/13/10	16:09	
62053-19	Cr	9.13788	9.73668	8.53908	9.26726	ug/L	10/13/10	16:09	
62053-19	Cu	3.61961	3.69754	3.54168	3.04470	ug/L	10/13/10	16:09	
62053-19	Fe	7217.47802	7215.81103	7219.14501	0.03266	ug/L	10/13/10	16:09	
62053-19	2Fe	7.21656	7.21490	7.21823	0.03266	mg/L	10/13/10	16:09	
62053-19	K	6799.81445	6833.70849	6765.92089	0.70491	ug/L	10/13/10	16:09	
62053-19	Mg	768.92828	781.50335	756.35321	2.31280	ug/L	10/13/10	16:09	
62053-19	2Mg	0.76781	0.78039	0.75524	2.31566	mg/L	10/13/10	16:09	
62053-19	Mn	821.04345	822.37927	819.70770	0.23008	ug/L	10/13/10	16:09	
62053-19	Mo	2.30969	0.43515	4.18423	114.77718	ug/L	10/13/10	16:09	
62053-19	Na	2168171.00000	2165971.75000	2170370.50000	0.14345	ug/L	10/13/10	16:09	
62053-19	Ni	37.53057	36.72740	38.33374	3.02646	ug/L	10/13/10	16:09	
62053-19	Pb	8.67385	9.66938	7.67831	16.23154	ug/L	10/13/10	16:09	
62053-19	Se	3.07343	1.58385	4.56301	68.54152	ug/L	10/13/10	16:09	
62053-19	Sb	-5.04542	-9.47506	-0.61578	124.16101	ug/L	10/13/10	16:09	
62053-19	Sn	-5.38500	-7.50598	-3.26402	55.70133	ug/L	10/13/10	16:09	
62053-19	Sr	6.37676	6.41415	6.33936	0.82940	ug/L	10/13/10	16:09	
62053-19	Ti	76.17636	78.90596	73.44675	5.06751	ug/L	10/13/10	16:09	
62053-19	Tl	2.07355	0.02754	4.11955	139.54254	ug/L	10/13/10	16:09	
62053-19	V	11.97468	11.44996	12.49941	6.19701	ug/L	10/13/10	16:09	
62053-19	Zn	59.74858	60.08582	59.41135	0.79821	ug/L	10/13/10	16:09	
62053-19	2203/1	8.76218	5.98908	11.53527	44.75769	ug/L	10/13/10	16:09	
62053-19	2203/2	8.62975	11.50677	5.75272	47.14772	ug/L	10/13/10	16:09	
62053-19	1960/1	4.33598	4.39642	4.27554	1.97130	ug/L	10/13/10	16:09	
62053-19	1960/2	2.44310	0.17968	4.70652	131.02024	ug/L	10/13/10	16:09	
62053-19	Y	1091.52880	1094.43798	1088.61962	0.37692		10/13/10	16:09	
62053-20	Ag	-0.91365	-0.68636	-1.14094	35.18155	ug/L	10/13/10	16:14	
62053-20	Al	2454.28320	2461.57983	2446.98681	0.42044	ug/L	10/13/10	16:14	
62053-20	2Al	2.45414	2.46144	2.44684	0.42049	mg/L	10/13/10	16:14	
62053-20	As	2.68917	3.90219	1.47615	63.79174	ug/L	10/13/10	16:14	
62053-20	B	62.92063	62.21847	63.62279	1.57818	ug/L	10/13/10	16:14	
62053-20	Ba	10.37937	10.26644	10.49230	1.53864	ug/L	10/13/10	16:14	
62053-20	Be	0.11927	0.08916	0.14938	35.70083	ug/L	10/13/10	16:14	
62053-20	Ca	7761.78613	7758.27880	7765.29296	0.06389	ug/L	10/13/10	16:14	
62053-20	Cd	-0.57668	-0.56899	-0.58438	1.88715	ug/L	10/13/10	16:14	
62053-20	Co	5.05488	5.14451	4.96524	2.50769	ug/L	10/13/10	16:14	
62053-20	Cr	9.83282	9.73293	9.93270	1.43656	ug/L	10/13/10	16:14	
62053-20	Cu	1.09856	1.05247	1.14465	5.93303	ug/L	10/13/10	16:14	
62053-20	Fe	3253.03295	3250.07324	3255.99267	0.12866	ug/L	10/13/10	16:14	
62053-20	2Fe	3.25262	3.24966	3.25558	0.12867	mg/L	10/13/10	16:14	
62053-20	K	13989.73046	13969.55175	14009.90820	0.20398	ug/L	10/13/10	16:14	
62053-20	Mg	786.67395	786.13403	787.21386	0.09706	ug/L	10/13/10	16:14	
62053-20	2Mg	0.78605	0.78551	0.78659	0.09700	mg/L	10/13/10	16:14	
62053-20	Mn	387.31430	387.47326	387.15533	0.05804	ug/L	10/13/10	16:14	
62053-20	Mo	-1.05392	-1.59408	-0.51375	72.48214	ug/L	10/13/10	16:14	
62053-20	Na	5634081.00000	5597918.50000	5670243.00000	0.90771	ug/L	10/13/10	16:14	
62053-20	Ni	15.70624	15.44487	15.96761	2.35338	ug/L	10/13/10	16:14	
62053-20	Pb	3.62580	2.31447	4.93713	51.14721	ug/L	10/13/10	16:14	
62053-20	Se	-0.29518	-3.31835	2.72797	1448.36401	ug/L	10/13/10	16:14	
62053-20	Sb	-7.54518	-10.00090	-5.08946	46.02819	ug/L	10/13/10	16:14	
62053-20	Sn	-1.70859	-0.44741	-2.96977	104.38892	ug/L	10/13/10	16:14	
62053-20	Sr	28.31750	28.28664	28.34836	0.15411	ug/L	10/13/10	16:14	
62053-20	Ti	55.30414	56.54912	54.05915	3.18362	ug/L	10/13/10	16:14	
62053-20	Tl	11.14255	10.62704	11.65805	6.54281	ug/L	10/13/10	16:14	
62053-20	V	4.62826	3.85335	5.40316	23.67795	ug/L	10/13/10	16:14	
62053-20	Zn	27.96487	28.05289	27.87686	0.44507	ug/L	10/13/10	16:14	
62053-20	2203/1	1.40616	-0.44154	3.25388	185.82872	ug/L	10/13/10	16:14	
62053-20	2203/2	4.73395	3.69042	5.77749	31.17441	ug/L	10/13/10	16:14	
62053-20	1960/1	6.06493	8.73852	3.39135	62.34218	ug/L	10/13/10	16:14	
62053-20	1960/2	-3.47048	-9.33775	2.39678	239.08967	ug/L	10/13/10	16:14	
62053-20	Y	942.25750	942.91320	941.60180	0.09841		10/13/10	16:14	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RINSE	Ag	-0.90596	-0.85668	-0.95523	7.69208	ug/L	10/13/10	16:19	
RINSE	Al	18.69239	10.39362	26.99117	62.78613	ug/L	10/13/10	16:19	
RINSE	2Al	0.01869	0.01039	0.02699	62.78605	mg/L	10/13/10	16:19	
RINSE	As	-2.21023	-2.19221	-2.22826	1.15331	ug/L	10/13/10	16:19	
RINSE	B	-1.35727	-1.57806	-1.13647	23.00568	ug/L	10/13/10	16:19	
RINSE	Ba	-0.36457	-0.43880	-0.29033	28.79719	ug/L	10/13/10	16:19	
RINSE	Be	-0.06477	-0.08489	-0.04465	43.92594	ug/L	10/13/10	16:19	
RINSE	Ca	-0.66566	-2.19228	0.86094	324.32907	ug/L	10/13/10	16:19	
RINSE	Cd	-0.74448	-0.65605	-0.83290	16.79707	ug/L	10/13/10	16:19	
RINSE	Co	0.02215	-0.08886	0.13317	708.69299	ug/L	10/13/10	16:19	
RINSE	Cr	0.39825	-0.04649	0.84300	157.93254	ug/L	10/13/10	16:19	
RINSE	Cu	-1.87731	-2.32279	-1.43183	33.55896	ug/L	10/13/10	16:19	
RINSE	Fe	-30.47736	-43.11870	-17.83601	58.65848	ug/L	10/13/10	16:19	
RINSE	2Fe	-0.03047	-0.04311	-0.01783	58.65810	mg/L	10/13/10	16:19	
RINSE	K	-61.61863	-67.09286	-56.14440	12.56394	ug/L	10/13/10	16:19	
RINSE	Mg	4.89196	3.41324	6.37067	42.74810	ug/L	10/13/10	16:19	
RINSE	2Mg	0.00489	0.00341	0.00637	42.64035	mg/L	10/13/10	16:19	
RINSE	Mn	0.51812	0.11645	0.91978	109.63549	ug/L	10/13/10	16:19	
RINSE	Mo	-4.22202	-3.83609	-4.60795	12.92703	ug/L	10/13/10	16:19	
RINSE	Na	1612.89648	535.30603	2690.48706	94.48486	ug/L	10/13/10	16:19	
RINSE	Ni	-0.51690	-0.68990	-0.34390	47.33214	ug/L	10/13/10	16:19	
RINSE	Pb	0.39274	0.06443	0.72105	118.22011	ug/L	10/13/10	16:19	
RINSE	Se	-8.35374	-11.16322	-5.54426	47.56191	ug/L	10/13/10	16:19	
RINSE	Sb	-8.55172	-8.43642	-8.66703	1.90684	ug/L	10/13/10	16:19	
RINSE	Sn	-8.88380	-10.51363	-7.25396	25.94535	ug/L	10/13/10	16:19	
RINSE	Sr	0.00739	-0.04092	0.05572	923.60296	ug/L	10/13/10	16:19	
RINSE	Ti	-0.39744	-0.66084	-0.13404	93.72583	ug/L	10/13/10	16:19	
RINSE	Tl	-4.99417	-3.27414	-6.71419	48.70644	ug/L	10/13/10	16:19	
RINSE	V	-2.66427	-2.61802	-2.71052	2.45502	ug/L	10/13/10	16:19	
RINSE	Zn	0.81786	0.60178	1.03395	37.36433	ug/L	10/13/10	16:19	
RINSE	2203/1	-7.50637	-8.24215	-6.77059	13.86225	ug/L	10/13/10	16:19	
RINSE	2203/2	4.33638	4.21149	4.46126	4.07271	ug/L	10/13/10	16:19	
RINSE	1960/1	-12.38181	-14.94055	-9.82308	29.22511	ug/L	10/13/10	16:19	
RINSE	1960/2	-6.34272	-9.27738	-3.40806	65.43296	ug/L	10/13/10	16:19	
RINSE	Y	1083.14160	1079.91296	1086.37036	0.42155		10/13/10	16:19	
CCV	Ag	488.59103	488.73226	488.44979	0.04088	ug/L	10/13/10	16:24	
CCV	Al	4837.24218	4821.16406	4853.31982	0.47005	ug/L	10/13/10	16:24	
CCV	2Al	4.83724	4.82126	4.85322	0.46728	mg/L	10/13/10	16:24	
CCV	As	508.11746	511.38729	504.84762	0.91007	ug/L	10/13/10	16:24	
CCV	B	5072.02099	5068.24316	5075.79882	0.10533	ug/L	10/13/10	16:24	
CCV	Ba	4942.80468	4933.81640	4951.79248	0.25716	ug/L	10/13/10	16:24	
CCV	Be	522.33691	522.98193	521.69189	0.17463	ug/L	10/13/10	16:24	
CCV	Ca	5225.01855	5224.18945	5225.84814	0.02244	ug/L	10/13/10	16:24	
CCV	Cd	539.90905	540.21191	539.60620	0.07932	ug/L	10/13/10	16:24	
CCV	Co	519.37756	519.11676	519.63836	0.07101	ug/L	10/13/10	16:24	
CCV	Cr	5191.18505	5188.54150	5193.82861	0.07201	ug/L	10/13/10	16:24	
CCV	Cu	4828.90966	4822.06494	4835.75439	0.20045	ug/L	10/13/10	16:24	
CCV	Fe	5169.70117	5184.09814	5155.30419	0.39384	ug/L	10/13/10	16:24	
CCV	2Fe	5.16968	5.18407	5.15528	0.39379	mg/L	10/13/10	16:24	
CCV	K	9971.14941	9933.43457	10008.86425	0.53491	ug/L	10/13/10	16:24	
CCV	Mg	5259.79882	5269.75439	5249.84326	0.26767	ug/L	10/13/10	16:24	
CCV	2Mg	5.25974	5.26969	5.24980	0.26749	mg/L	10/13/10	16:24	
CCV	Mn	5118.06152	5114.80029	5121.32226	0.09010	ug/L	10/13/10	16:24	
CCV	Mo	521.46643	522.19085	520.74194	0.19647	ug/L	10/13/10	16:24	
CCV	Na	8211.40625	8000.05517	8422.75683	3.64000	ug/L	10/13/10	16:24	
CCV	Ni	2593.26025	2598.65625	2587.86450	0.29425	ug/L	10/13/10	16:24	
CCV	Pb	534.36242	536.79766	531.92718	0.64449	ug/L	10/13/10	16:24	
CCV	Se	5268.01562	5263.24511	5272.78564	0.12805	ug/L	10/13/10	16:24	
CCV	Sb	489.63006	488.82431	490.43579	0.23272	ug/L	10/13/10	16:24	
CCV	Sn	5243.94482	5239.05712	5248.83251	0.13181	ug/L	10/13/10	16:24	
CCV	Sr	2573.48828	2570.09790	2576.87866	0.18631	ug/L	10/13/10	16:24	
CCV	Ti	498.77276	498.05120	499.49435	0.20459	ug/L	10/13/10	16:24	
CCV	Tl	5245.15820	5248.08154	5242.23437	0.07882	ug/L	10/13/10	16:24	
CCV	V	4964.32421	4963.76269	4964.88623	0.01600	ug/L	10/13/10	16:24	
CCV	Zn	2696.88842	2698.11206	2695.66479	0.06416	ug/L	10/13/10	16:24	
CCV	2203/1	515.20989	516.74395	513.67584	0.42108	ug/L	10/13/10	16:24	
CCV	2203/2	543.92431	546.80950	541.03912	0.75015	ug/L	10/13/10	16:24	
CCV	1960/1	5089.57373	5080.21289	5098.93457	0.26010	ug/L	10/13/10	16:24	
CCV	1960/2	5357.10253	5354.62402	5359.58105	0.06542	ug/L	10/13/10	16:24	
CCV	Y	1066.00219	1072.20227	1059.80212	0.82253		10/13/10	16:24	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.30465	0.55000	-1.15931	396.73611	ug/L	10/13/10	16:31	
CCB	Al	11.92670	9.94437	13.90903	23.50551	ug/L	10/13/10	16:31	
CCB	2Al	0.01192	0.00994	0.01390	23.50557	mg/L	10/13/10	16:31	
CCB	As	-2.73851	-2.75972	-2.71729	1.09550	ug/L	10/13/10	16:31	
CCB	B	4.73831	4.81381	4.66280	2.25356	ug/L	10/13/10	16:31	
CCB	Ba	0.38045	0.04255	0.71834	125.60131	ug/L	10/13/10	16:31	
CCB	Be	0.03450	0.03139	0.03760	12.72566	ug/L	10/13/10	16:31	
CCB	Ca	-1.41630	-1.51665	-1.31595	10.02023	ug/L	10/13/10	16:31	
CCB	Cd	-0.12586	-0.06761	-0.18410	65.44493	ug/L	10/13/10	16:31	
CCB	Co	-0.91283	-1.13871	-0.68696	34.99406	ug/L	10/13/10	16:31	
CCB	Cr	0.50789	0.03307	0.98272	132.21290	ug/L	10/13/10	16:31	
CCB	Cu	-1.51630	-1.90495	-1.12765	36.24822	ug/L	10/13/10	16:31	
CCB	Fe	-10.02400	-5.93811	-14.10989	57.64486	ug/L	10/13/10	16:31	
CCB	2Fe	-0.01002	-0.00593	-0.01410	57.64221	mg/L	10/13/10	16:31	
CCB	K	-18.34304	-7.63414	-29.05194	82.56355	ug/L	10/13/10	16:31	
CCB	Mg	0.38454	0.39400	0.37507	3.48149	ug/L	10/13/10	16:31	
CCB	2Mg	0.00038	0.00039	0.00037	3.13365	mg/L	10/13/10	16:31	
CCB	Mn	0.60626	0.19397	1.01855	96.17307	ug/L	10/13/10	16:31	
CCB	Mo	-0.35374	0.19911	-0.90659	221.02644	ug/L	10/13/10	16:31	
CCB	Na	359.91046	321.08773	398.73315	15.25479	ug/L	10/13/10	16:31	
CCB	Ni	0.69649	0.58173	0.81126	23.30262	ug/L	10/13/10	16:31	
CCB	Pb	1.27321	-0.81588	3.36232	232.04484	ug/L	10/13/10	16:31	
CCB	Se	-0.85566	-0.31939	-1.39194	88.63336	ug/L	10/13/10	16:31	
CCB	Sb	-3.28382	-1.96613	-4.60152	56.74783	ug/L	10/13/10	16:31	
CCB	Sn	-4.78756	-5.43072	-4.14440	18.99855	ug/L	10/13/10	16:31	
CCB	Sr	0.23221	0.03766	0.42675	118.48034	ug/L	10/13/10	16:31	
CCB	Ti	-0.44532	-0.44479	-0.44585	0.16821	ug/L	10/13/10	16:31	
CCB	Tl	6.53000	6.70995	6.35004	3.89731	ug/L	10/13/10	16:31	
CCB	V	-0.14413	-0.07031	-0.21796	72.43499	ug/L	10/13/10	16:31	
CCB	Zn	0.61815	0.10598	1.13033	117.17515	ug/L	10/13/10	16:31	
CCB	2203/1	-4.47245	-2.84659	-6.09831	51.41062	ug/L	10/13/10	16:31	
CCB	2203/2	4.14174	0.19794	8.08554	134.66241	ug/L	10/13/10	16:31	
CCB	1960/1	0.74739	2.97170	-1.47690	420.87963	ug/L	10/13/10	16:31	
CCB	1960/2	-1.65599	-1.96247	-1.34952	26.17291	ug/L	10/13/10	16:31	
CCB	Y	1063.44580	1065.55395	1061.33752	0.28035		10/13/10	16:31	
62053-7	Ag	0.23739	-0.45967	0.93446	415.25497	ug/L	10/13/10	16:45	
62053-7	Al	9301.54394	9318.22265	9284.86523	0.25358	ug/L	10/13/10	16:45	
62053-7	2Al	9.30172	9.31850	9.28495	0.25500	mg/L	10/13/10	16:45	
62053-7	As	8.52440	7.74607	9.30272	12.91248	ug/L	10/13/10	16:45	
62053-7	B	36.08335	36.97977	35.18695	3.51329	ug/L	10/13/10	16:45	
62053-7	Ba	98.29436	98.52532	98.06340	0.33229	ug/L	10/13/10	16:45	
62053-7	Be	1.34352	1.34983	1.33721	0.66451	ug/L	10/13/10	16:45	
62053-7	Ca	37050.07812	37088.87890	37011.27343	0.14811	ug/L	10/13/10	16:45	
62053-7	Cd	0.41900	0.24707	0.59093	58.02966	ug/L	10/13/10	16:45	
62053-7	Co	27.02548	27.49888	26.55208	2.47723	ug/L	10/13/10	16:45	
62053-7	Cr	25.01511	24.96294	25.06729	0.29496	ug/L	10/13/10	16:45	
62053-7	Cu	14.97173	15.83263	14.11083	8.13194	ug/L	10/13/10	16:45	
62053-7	Fe	21291.57031	21335.17187	21247.97070	0.28960	ug/L	10/13/10	16:45	
62053-7	2Fe	21.28888	21.33247	21.24528	0.28959	mg/L	10/13/10	16:45	
62053-7	K	27232.08398	27246.69140	27217.47656	0.07585	ug/L	10/13/10	16:45	
62053-7	Mg	10763.89648	10767.88476	10759.90917	0.05239	ug/L	10/13/10	16:45	
62053-7	2Mg	10.75826	10.76224	10.75428	0.05232	mg/L	10/13/10	16:45	
62053-7	Mn	2502.24267	2505.74438	2498.74121	0.19790	ug/L	10/13/10	16:45	
62053-7	Mo	2.72314	2.44128	3.00499	14.63759	ug/L	10/13/10	16:45	
62053-7	Na	8216647.00000	8188981.00000	8244312.50000	0.47617	ug/L	10/13/10	16:45	
62053-7	Ni	149.50927	149.29956	149.71900	0.19837	ug/L	10/13/10	16:45	
62053-7	Pb	14.06879	14.33591	13.80167	2.68510	ug/L	10/13/10	16:45	
62053-7	Se	4.39213	4.14603	4.63823	7.92424	ug/L	10/13/10	16:45	
62053-7	Sb	-2.86954	-2.37175	-3.36732	24.53266	ug/L	10/13/10	16:45	
62053-7	Sn	4.95986	5.65586	4.26387	19.84495	ug/L	10/13/10	16:45	
62053-7	Sr	203.28976	203.27241	203.30709	0.01206	ug/L	10/13/10	16:45	
62053-7	Ti	68.57926	68.46974	68.68878	0.22584	ug/L	10/13/10	16:45	
62053-7	Tl	9.97610	10.73596	9.21624	10.77178	ug/L	10/13/10	16:45	
62053-7	V	32.41950	32.44238	32.39661	0.09983	ug/L	10/13/10	16:45	
62053-7	Zn	159.78907	159.96090	159.61724	0.15207	ug/L	10/13/10	16:45	
62053-7	2203/1	10.38158	8.18739	12.57579	29.89009	ug/L	10/13/10	16:45	
62053-7	2203/2	15.90963	17.40556	14.41369	13.29740	ug/L	10/13/10	16:45	
62053-7	1960/1	-0.61875	-1.34044	0.10293	164.94848	ug/L	10/13/10	16:45	
62053-7	1960/2	6.89382	6.88515	6.90248	0.17779	ug/L	10/13/10	16:45	
62053-7	Y	1077.31921	1078.70117	1075.93725	0.18141		10/13/10	16:45	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-9	Ag	-0.02321	0.27220	-0.31862	1799.97302	ug/L	10/13/10	16:50	
62053-9	Al	1561.92895	1567.39062	1556.46740	0.49450	ug/L	10/13/10	16:50	
62053-9	2Al	1.56188	1.56743	1.55632	0.50286	mg/L	10/13/10	16:50	
62053-9	As	-1.52224	0.09042	-3.13492	149.82246	ug/L	10/13/10	16:50	
62053-9	B	38.61119	38.30149	38.92090	1.13434	ug/L	10/13/10	16:50	
62053-9	Ba	56.74043	56.88013	56.60073	0.34819	ug/L	10/13/10	16:50	
62053-9	Be	0.10326	0.12142	0.08510	24.87531	ug/L	10/13/10	16:50	
62053-9	Ca	31135.71093	31207.33593	31064.08593	0.32532	ug/L	10/13/10	16:50	
62053-9	Cd	0.09704	0.05880	0.13528	55.72788	ug/L	10/13/10	16:50	
62053-9	Co	26.23688	26.44836	26.02540	1.13990	ug/L	10/13/10	16:50	
62053-9	Cr	4.87503	5.02359	4.72647	4.30953	ug/L	10/13/10	16:50	
62053-9	Cu	11.79529	11.54629	12.04429	2.98540	ug/L	10/13/10	16:50	
62053-9	Fe	5070.70703	5090.78613	5050.62744	0.56001	ug/L	10/13/10	16:50	
62053-9	2Fe	5.07007	5.09014	5.04999	0.56001	mg/L	10/13/10	16:50	
62053-9	K	1780.87414	1792.21923	1769.52905	0.90092	ug/L	10/13/10	16:50	
62053-9	Mg	5019.38378	5027.98583	5010.78173	0.24236	ug/L	10/13/10	16:50	
62053-9	2Mg	5.01896	5.02756	5.01036	0.24235	mg/L	10/13/10	16:50	
62053-9	Mn	4121.84130	4133.02636	4110.65625	0.38376	ug/L	10/13/10	16:50	
62053-9	Mo	-2.58174	-2.58174	-2.58174	0.00000	ug/L	10/13/10	16:50	
62053-9	Na	10144.65234	10449.31445	9839.99121	4.24712	ug/L	10/13/10	16:50	
62053-9	Ni	65.48911	66.22000	64.75821	1.57834	ug/L	10/13/10	16:50	
62053-9	Pb	7.06676	6.08114	8.05237	19.72427	ug/L	10/13/10	16:50	
62053-9	Se	-1.69174	0.34455	-3.72804	170.22425	ug/L	10/13/10	16:50	
62053-9	Sb	-2.61002	2.01007	-7.23012	250.33543	ug/L	10/13/10	16:50	
62053-9	Sn	-1.78121	-1.55964	-2.00277	17.59139	ug/L	10/13/10	16:50	
62053-9	Sr	151.79278	152.26995	151.31559	0.44457	ug/L	10/13/10	16:50	
62053-9	Ti	17.68658	17.96689	17.40627	2.24132	ug/L	10/13/10	16:50	
62053-9	Tl	0.59151	3.62658	-2.44354	725.62823	ug/L	10/13/10	16:50	
62053-9	V	3.99238	4.35086	3.63389	12.69854	ug/L	10/13/10	16:50	
62053-9	Zn	26.42335	26.81032	26.03638	2.07110	ug/L	10/13/10	16:50	
62053-9	2203/1	1.33974	1.24963	1.42984	9.51101	ug/L	10/13/10	16:50	
62053-9	2203/2	9.92600	8.49332	11.35867	20.41215	ug/L	10/13/10	16:50	
62053-9	1960/1	-3.52096	-2.36057	-4.68135	46.60772	ug/L	10/13/10	16:50	
62053-9	1960/2	-0.77851	1.69508	-3.25211	449.34429	ug/L	10/13/10	16:50	
62053-9	Y	1092.53735	1090.66979	1094.40478	0.24173		10/13/10	16:50	
62053-10	Ag	-0.43697	-1.13432	0.26037	225.68818	ug/L	10/13/10	16:55	
62053-10	Al	1742.65112	1743.28002	1742.02221	0.05103	ug/L	10/13/10	16:55	
62053-10	2Al	1.74249	1.74312	1.74186	0.05109	mg/L	10/13/10	16:55	
62053-10	As	-1.54162	1.69420	-4.77745	296.83972	ug/L	10/13/10	16:55	
62053-10	B	39.24351	40.04175	38.44528	2.87658	ug/L	10/13/10	16:55	
62053-10	Ba	154.85060	154.44107	155.26013	0.37401	ug/L	10/13/10	16:55	
62053-10	Be	0.10418	0.07961	0.12875	33.35657	ug/L	10/13/10	16:55	
62053-10	Ca	33975.71093	33924.00000	34027.41796	0.21523	ug/L	10/13/10	16:55	
62053-10	Cd	-0.38628	-0.55828	-0.21428	62.96992	ug/L	10/13/10	16:55	
62053-10	Co	5.07130	5.53190	4.61070	12.84454	ug/L	10/13/10	16:55	
62053-10	Cr	71.91336	72.84522	70.98149	1.83256	ug/L	10/13/10	16:55	
62053-10	Cu	85.11079	85.93971	84.28188	1.37733	ug/L	10/13/10	16:55	
62053-10	Fe	7928.13720	7903.67431	7952.60009	0.43636	ug/L	10/13/10	16:55	
62053-10	2Fe	7.92713	7.90267	7.95159	0.43636	mg/L	10/13/10	16:55	
62053-10	K	15635.67675	15593.22558	15678.12792	0.38396	ug/L	10/13/10	16:55	
62053-10	Mg	9944.25585	9933.55371	9954.95703	0.15219	ug/L	10/13/10	16:55	
62053-10	2Mg	9.94021	9.92952	9.95090	0.15215	mg/L	10/13/10	16:55	
62053-10	Mn	350.38458	350.28082	350.48834	0.04187	ug/L	10/13/10	16:55	
62053-10	Mo	12.08066	12.78663	11.37469	8.26439	ug/L	10/13/10	16:55	
62053-10	Na	4259857.00000	4241081.50000	4278632.00000	0.62331	ug/L	10/13/10	16:55	
62053-10	Ni	28.06941	28.96599	27.17282	4.51723	ug/L	10/13/10	16:55	
62053-10	Pb	10.94952	10.00904	11.89001	12.14710	ug/L	10/13/10	16:55	
62053-10	Se	2.43791	1.38150	3.49431	61.28138	ug/L	10/13/10	16:55	
62053-10	Sb	-0.03704	-2.42341	2.34932	9109.88867	ug/L	10/13/10	16:55	
62053-10	Sn	0.36850	-0.49582	1.23283	331.70404	ug/L	10/13/10	16:55	
62053-10	Sr	294.15942	293.96191	294.35696	0.09496	ug/L	10/13/10	16:55	
62053-10	Ti	26.39161	27.03014	25.75309	3.42158	ug/L	10/13/10	16:55	
62053-10	Tl	-3.33367	-7.32574	0.65839	169.35166	ug/L	10/13/10	16:55	
62053-10	V	6.96498	7.00536	6.92461	0.81987	ug/L	10/13/10	16:55	
62053-10	Zn	32.28571	32.72095	31.85046	1.90650	ug/L	10/13/10	16:55	
62053-10	2203/1	5.78331	4.63393	6.93270	28.10624	ug/L	10/13/10	16:55	
62053-10	2203/2	13.52876	12.69256	14.36496	8.74109	ug/L	10/13/10	16:55	
62053-10	1960/1	-4.65936	-13.06173	3.74300	255.02935	ug/L	10/13/10	16:55	
62053-10	1960/2	5.98122	8.59229	3.37016	61.73654	ug/L	10/13/10	16:55	
62053-10	Y	961.24792	964.04498	958.45080	0.41151		10/13/10	16:55	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-11	Ag	1.11402	0.83127	1.39677	35.89428	ug/L	10/13/10	17:01	
62053-11	Al	3142.13940	3140.72900	3143.54980	0.06347	ug/L	10/13/10	17:01	
62053-11	2Al	3.14202	3.14061	3.14343	0.06348	mg/L	10/13/10	17:01	
62053-11	As	5.78225	4.58208	6.98243	29.35365	ug/L	10/13/10	17:01	
62053-11	B	45.15299	45.04016	45.26581	0.35337	ug/L	10/13/10	17:01	
62053-11	Ba	283.57287	283.67245	283.47332	0.04965	ug/L	10/13/10	17:01	
62053-11	Be	0.35794	0.33226	0.38361	10.14382	ug/L	10/13/10	17:01	
62053-11	Ca	20910.46875	20846.18554	20974.75000	0.43475	ug/L	10/13/10	17:01	
62053-11	Cd	0.57169	0.45668	0.68670	28.45091	ug/L	10/13/10	17:01	
62053-11	Co	23.61026	22.26666	24.95386	8.04794	ug/L	10/13/10	17:01	
62053-11	Cr	77.29564	76.25495	78.33633	1.90405	ug/L	10/13/10	17:01	
62053-11	Cu	568.60437	569.04626	568.16253	0.10989	ug/L	10/13/10	17:01	
62053-11	Fe	13872.31738	13832.21386	13912.42089	0.40883	ug/L	10/13/10	17:01	
62053-11	2Fe	13.87056	13.83046	13.91066	0.40884	mg/L	10/13/10	17:01	
62053-11	K	24659.50781	24704.59960	24614.41601	0.25859	ug/L	10/13/10	17:01	
62053-11	Mg	7621.23730	7571.22265	7671.25244	0.92808	ug/L	10/13/10	17:01	
62053-11	2Mg	7.61703	7.56703	7.66702	0.92821	mg/L	10/13/10	17:01	
62053-11	Mn	838.93652	837.66052	840.21246	0.21509	ug/L	10/13/10	17:01	
62053-11	Mo	12.64412	12.63449	12.65376	0.10777	ug/L	10/13/10	17:01	
62053-11	Na	9669084.00000	9668166.00000	9670001.00000	0.01341	ug/L	10/13/10	17:01	
62053-11	Ni	49.69457	48.46849	50.92065	3.48919	ug/L	10/13/10	17:01	
62053-11	Pb	49.56248	48.89759	50.22737	1.89719	ug/L	10/13/10	17:01	
62053-11	Se	6.51351	1.40855	11.61846	110.83876	ug/L	10/13/10	17:01	
62053-11	Sb	18.34387	14.63069	22.05705	28.62660	ug/L	10/13/10	17:01	
62053-11	Sn	18.96829	15.90243	22.03416	22.85805	ug/L	10/13/10	17:01	
62053-11	Sr	233.98278	234.11422	233.85134	0.07944	ug/L	10/13/10	17:01	
62053-11	Ti	46.77978	46.77459	46.78496	0.01567	ug/L	10/13/10	17:01	
62053-11	Tl	10.40338	11.20158	9.60518	10.85056	ug/L	10/13/10	17:01	
62053-11	V	23.82607	22.48192	25.17022	7.97829	ug/L	10/13/10	17:01	
62053-11	Zn	67.27661	66.76930	67.78391	1.06640	ug/L	10/13/10	17:01	
62053-11	2203/1	48.84243	44.97715	52.70770	11.19174	ug/L	10/13/10	17:01	
62053-11	2203/2	49.92196	50.85486	48.98906	2.64276	ug/L	10/13/10	17:01	
62053-11	1960/1	8.72349	7.26742	10.17955	23.60503	ug/L	10/13/10	17:01	
62053-11	1960/2	5.41017	-1.51648	12.33684	181.06211	ug/L	10/13/10	17:01	
62053-11	Y	950.82720	951.42895	950.22546	0.08950		10/13/10	17:01	
62053-12	Ag	1.29053	2.26416	0.31690	106.69408	ug/L	10/13/10	17:06	
62053-12	Al	565.68090	565.88323	565.47857	0.05058	ug/L	10/13/10	17:06	
62053-12	2Al	0.56569	0.56589	0.56549	0.05058	mg/L	10/13/10	17:06	
62053-12	As	3.83469	3.31392	4.35545	19.20548	ug/L	10/13/10	17:06	
62053-12	B	51.23645	49.13525	53.33765	5.79967	ug/L	10/13/10	17:06	
62053-12	Ba	209.19651	209.93243	208.46060	0.49749	ug/L	10/13/10	17:06	
62053-12	Be	0.25800	0.27577	0.24023	9.74006	ug/L	10/13/10	17:06	
62053-12	Ca	13954.28710	13917.08398	13991.49023	0.37703	ug/L	10/13/10	17:06	
62053-12	Cd	0.14014	0.21717	0.06312	77.72506	ug/L	10/13/10	17:06	
62053-12	Co	31.60087	31.54395	31.65779	0.25472	ug/L	10/13/10	17:06	
62053-12	Cr	50.61986	50.03360	51.20612	1.63788	ug/L	10/13/10	17:06	
62053-12	Cu	867.46972	871.20007	863.73944	0.60814	ug/L	10/13/10	17:06	
62053-12	Fe	4655.14746	4654.43505	4655.85986	0.02164	ug/L	10/13/10	17:06	
62053-12	2Fe	4.65456	4.65385	4.65528	0.02163	mg/L	10/13/10	17:06	
62053-12	K	36004.50781	36322.46093	35686.55078	1.24888	ug/L	10/13/10	17:06	
62053-12	Mg	4490.33691	4464.93945	4515.73388	0.79987	ug/L	10/13/10	17:06	
62053-12	2Mg	4.48834	4.46295	4.51373	0.80001	mg/L	10/13/10	17:06	
62053-12	Mn	202.47698	202.29910	202.65486	0.12424	ug/L	10/13/10	17:06	
62053-12	Mo	8.29758	9.80393	6.79123	25.67376	ug/L	10/13/10	17:06	
62053-12	Na	17990004.00000	18020898.00000	17959112.00000	0.24285	ug/L	10/13/10	17:06	
62053-12	Ni	24.77766	24.79593	24.75939	0.10426	ug/L	10/13/10	17:06	
62053-12	Pb	12.03297	11.36722	12.69873	7.82448	ug/L	10/13/10	17:06	
62053-12	Se	13.82623	14.74543	12.90702	9.40209	ug/L	10/13/10	17:06	
62053-12	Sb	8.05224	5.63522	10.46927	42.45010	ug/L	10/13/10	17:06	
62053-12	Sn	23.11910	21.60241	24.63579	9.27770	ug/L	10/13/10	17:06	
62053-12	Sr	158.86837	158.94911	158.78762	0.07187	ug/L	10/13/10	17:06	
62053-12	Ti	59.94272	59.17453	60.71092	1.81238	ug/L	10/13/10	17:06	
62053-12	Tl	17.44705	15.05986	19.83425	19.34996	ug/L	10/13/10	17:06	
62053-12	V	29.37430	30.00259	28.74600	3.02488	ug/L	10/13/10	17:06	
62053-12	Zn	15.12999	14.63527	15.62472	4.62425	ug/L	10/13/10	17:06	
62053-12	2203/1	15.22975	16.51772	13.94177	11.95995	ug/L	10/13/10	17:06	
62053-12	2203/2	10.43698	8.79583	12.07814	22.23766	ug/L	10/13/10	17:06	
62053-12	1960/1	14.54848	16.80102	12.29593	21.89628	ug/L	10/13/10	17:06	
62053-12	1960/2	13.46564	13.71918	13.21210	2.66275	ug/L	10/13/10	17:06	
62053-12	Y	910.70092	909.11560	912.28619	0.24617		10/13/10	17:06	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-2 1/5	Ag	-0.42228	0.47144	-1.31601	299.30789	ug/L	10/13/10	17:15	
62053-2 1/5	Al	128288.47656	128404.86718	128172.08593	0.12830	ug/L	10/13/10	17:15	
62053-2 1/5	2Al	128.28411	128.40216	128.16607	0.13013	mg/L	10/13/10	17:15	
62053-2 1/5	As	155.69305	157.30986	154.07623	1.46860	ug/L	10/13/10	17:15	
62053-2 1/5	B	46.71007	46.55158	46.86855	0.47983	ug/L	10/13/10	17:15	
62053-2 1/5	Ba	188.65592	188.87258	188.43927	0.16241	ug/L	10/13/10	17:15	
62053-2 1/5	Be	2.74614	2.76718	2.72509	1.08382	ug/L	10/13/10	17:15	
62053-2 1/5	Ca	2727.23559	2734.89990	2719.57128	0.39743	ug/L	10/13/10	17:15	
62053-2 1/5	Cd	-1.20295	-1.30301	-1.10289	11.76334	ug/L	10/13/10	17:15	
62053-2 1/5	Co	103.62983	104.05407	103.20558	0.57895	ug/L	10/13/10	17:15	
62053-2 1/5	Cr	224.98919	225.03427	224.94412	0.02833	ug/L	10/13/10	17:15	
62053-2 1/5	Cu	128.60424	128.10203	129.10646	0.55226	ug/L	10/13/10	17:15	
62053-2 1/5	Fe	340694.56250	341298.71875	340090.43750	0.25077	ug/L	10/13/10	17:15	
62053-2 1/5	2Fe	340.63012	341.23849	340.02178	0.25257	mg/L	10/13/10	17:15	
62053-2 1/5	K	9600.36035	9612.88964	9587.83105	0.18456	ug/L	10/13/10	17:15	
62053-2 1/5	Mg	5358.65625	5370.09472	5347.21777	0.30187	ug/L	10/13/10	17:15	
62053-2 1/5	2Mg	5.29790	5.30923	5.28657	0.30242	mg/L	10/13/10	17:15	
62053-2 1/5	Mn	1449.99389	1452.60192	1447.38586	0.25436	ug/L	10/13/10	17:15	
62053-2 1/5	Mo	16.56542	18.13302	14.99782	13.38285	ug/L	10/13/10	17:15	
62053-2 1/5	Na	740191.75000	741140.43750	739243.06250	0.18125	ug/L	10/13/10	17:15	
62053-2 1/5	Ni	593.83557	595.78125	591.88983	0.46336	ug/L	10/13/10	17:15	
62053-2 1/5	Pb	157.24475	157.29356	157.19593	0.04390	ug/L	10/13/10	17:15	
62053-2 1/5	Se	1.63281	3.38973	-0.12409	152.16960	ug/L	10/13/10	17:15	
62053-2 1/5	Sb	-6.58360	-6.45173	-6.71546	2.83258	ug/L	10/13/10	17:15	
62053-2 1/5	Sn	3.22846	5.96525	0.49168	119.88350	ug/L	10/13/10	17:15	
62053-2 1/5	Sr	26.61883	26.57062	26.66705	0.25616	ug/L	10/13/10	17:15	
62053-2 1/5	Ti	341.75189	341.56356	341.94018	0.07792	ug/L	10/13/10	17:15	
62053-2 1/5	Tl	8.76836	11.63851	5.89821	46.29145	ug/L	10/13/10	17:15	
62053-2 1/5	V	506.71798	507.16928	506.26669	0.12595	ug/L	10/13/10	17:15	
62053-2 1/5	Zn	876.14160	878.62445	873.65875	0.40076	ug/L	10/13/10	17:15	
62053-2 1/5	2203/1	151.60174	154.58782	148.61564	2.78556	ug/L	10/13/10	17:15	
62053-2 1/5	2203/2	160.06201	158.64439	161.47964	1.25253	ug/L	10/13/10	17:15	
62053-2 1/5	1960/1	-9.71333	-6.22306	-13.20360	50.81655	ug/L	10/13/10	17:15	
62053-2 1/5	1960/2	7.29738	8.18892	6.40585	17.27773	ug/L	10/13/10	17:15	
62053-2 1/5	Y	1167.17089	1168.88903	1165.45275	0.20817		10/13/10	17:15	
62053-8 1/5	Ag	-0.73920	-1.91679	0.43839	225.29318	ug/L	10/13/10	17:21	
62053-8 1/5	Al	563.24914	563.30694	563.19140	0.01450	ug/L	10/13/10	17:21	
62053-8 1/5	2Al	0.56326	0.56332	0.56320	0.01450	mg/L	10/13/10	17:21	
62053-8 1/5	As	1.00608	0.66680	1.34537	47.69137	ug/L	10/13/10	17:21	
62053-8 1/5	B	7.67388	8.03396	7.31381	6.63577	ug/L	10/13/10	17:21	
62053-8 1/5	Ba	18.53083	18.53796	18.52369	0.05446	ug/L	10/13/10	17:21	
62053-8 1/5	Be	0.05349	0.03810	0.06888	40.69050	ug/L	10/13/10	17:21	
62053-8 1/5	Ca	7546.72070	7545.13623	7548.30517	0.02969	ug/L	10/13/10	17:21	
62053-8 1/5	Cd	-0.18372	-0.09672	-0.27072	66.96727	ug/L	10/13/10	17:21	
62053-8 1/5	Co	4.36117	4.26275	4.45960	3.19164	ug/L	10/13/10	17:21	
62053-8 1/5	Cr	7.44595	7.14749	7.74441	5.66870	ug/L	10/13/10	17:21	
62053-8 1/5	Cu	-0.75831	-1.20922	-0.30739	84.09391	ug/L	10/13/10	17:21	
62053-8 1/5	Fe	1057.26257	1058.63195	1055.89318	0.18317	ug/L	10/13/10	17:21	
62053-8 1/5	2Fe	1.05713	1.05850	1.05576	0.18316	mg/L	10/13/10	17:21	
62053-8 1/5	K	7476.41503	7464.61669	7488.21337	0.22317	ug/L	10/13/10	17:21	
62053-8 1/5	Mg	2362.45312	2353.57983	2371.32641	0.53117	ug/L	10/13/10	17:21	
62053-8 1/5	2Mg	2.36165	2.35278	2.37052	0.53122	mg/L	10/13/10	17:21	
62053-8 1/5	Mn	116.44674	116.59583	116.29766	0.18106	ug/L	10/13/10	17:21	
62053-8 1/5	Mo	-2.04951	-2.04829	-2.05073	0.08445	ug/L	10/13/10	17:21	
62053-8 1/5	Na	5366378.50000	5372799.00000	5359958.00000	0.16920	ug/L	10/13/10	17:21	
62053-8 1/5	Ni	7.52339	7.16265	7.88414	6.78104	ug/L	10/13/10	17:21	
62053-8 1/5	Pb	3.49587	2.48346	4.50828	40.95593	ug/L	10/13/10	17:21	
62053-8 1/5	Se	1.47971	2.27434	0.68509	75.94496	ug/L	10/13/10	17:21	
62053-8 1/5	Sb	-9.08509	-9.90638	-8.26381	12.78437	ug/L	10/13/10	17:21	
62053-8 1/5	Sn	-1.46520	-3.48870	0.55829	195.30743	ug/L	10/13/10	17:21	
62053-8 1/5	Sr	33.65428	33.67520	33.63335	0.08791	ug/L	10/13/10	17:21	
62053-8 1/5	Ti	19.65678	19.22304	20.09052	3.12057	ug/L	10/13/10	17:21	
62053-8 1/5	Tl	6.84772	6.87730	6.81815	0.61075	ug/L	10/13/10	17:21	
62053-8 1/5	V	10.79518	10.54545	11.04490	3.27151	ug/L	10/13/10	17:21	
62053-8 1/5	Zn	7.60997	7.23236	7.98759	7.01747	ug/L	10/13/10	17:21	
62053-8 1/5	2203/1	-1.40975	-3.05556	0.23605	165.10157	ug/L	10/13/10	17:21	
62053-8 1/5	2203/2	5.94500	5.24881	6.64119	16.56113	ug/L	10/13/10	17:21	
62053-8 1/5	1960/1	0.58759	-4.38644	5.56162	1197.14904	ug/L	10/13/10	17:21	
62053-8 1/5	1960/2	1.92511	5.59975	-1.74951	269.94326	ug/L	10/13/10	17:21	
62053-8 1/5	Y	1113.49060	1110.93005	1116.05114	0.32520		10/13/10	17:21	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62053-18 1/20	Ag	0.16899	0.72959	-0.39161	469.13812	ug/L	10/13/10	17:27	
62053-18 1/20	Al	6029.43652	6046.49804	6012.37500	0.40018	ug/L	10/13/10	17:27	
62053-18 1/20	2Al	6.02927	6.04627	6.01228	0.39858	mg/L	10/13/10	17:27	
62053-18 1/20	As	7.83430	8.94337	6.72522	20.02052	ug/L	10/13/10	17:27	
62053-18 1/20	B	9.04051	9.73479	8.34622	10.86070	ug/L	10/13/10	17:27	
62053-18 1/20	Ba	18.61091	18.71875	18.50308	0.81939	ug/L	10/13/10	17:27	
62053-18 1/20	Be	0.88581	0.89328	0.87835	1.19140	ug/L	10/13/10	17:27	
62053-18 1/20	Ca	319.77783	319.78662	319.76901	0.00389	ug/L	10/13/10	17:27	
62053-18 1/20	Cd	-0.06094	0.18249	-0.30438	564.89746	ug/L	10/13/10	17:27	
62053-18 1/20	Co	11.97236	12.58141	11.36332	7.19421	ug/L	10/13/10	17:27	
62053-18 1/20	Cr	4.39305	4.36506	4.42105	0.90119	ug/L	10/13/10	17:27	
62053-18 1/20	Cu	3.50059	4.29819	2.70300	32.22224	ug/L	10/13/10	17:27	
62053-18 1/20	Fe	12663.29687	12684.22558	12642.36914	0.23372	ug/L	10/13/10	17:27	
62053-18 1/20	2Fe	12.66127	12.68178	12.64076	0.22905	mg/L	10/13/10	17:27	
62053-18 1/20	K	1345.10131	1357.45947	1332.74316	1.29931	ug/L	10/13/10	17:27	
62053-18 1/20	Mg	989.07043	991.77655	986.36437	0.38692	ug/L	10/13/10	17:27	
62053-18 1/20	2Mg	0.98692	0.98962	0.98421	0.38724	mg/L	10/13/10	17:27	
62053-18 1/20	Mn	775.75701	777.32714	774.18688	0.28623	ug/L	10/13/10	17:27	
62053-18 1/20	Mo	-2.06750	-1.27037	-2.86463	54.52542	ug/L	10/13/10	17:27	
62053-18 1/20	Na	6365.83007	6543.56298	6188.09765	3.94845	ug/L	10/13/10	17:27	
62053-18 1/20	Ni	56.81772	56.29450	57.34095	1.30232	ug/L	10/13/10	17:27	
62053-18 1/20	Pb	7.16201	7.60329	6.72072	8.71356	ug/L	10/13/10	17:27	
62053-18 1/20	Se	2.04490	3.35864	0.73117	90.85508	ug/L	10/13/10	17:27	
62053-18 1/20	Sb	-0.83805	-0.37651	-1.29958	77.88503	ug/L	10/13/10	17:27	
62053-18 1/20	Sn	-4.15295	-2.27518	-6.03071	63.94389	ug/L	10/13/10	17:27	
62053-18 1/20	Sr	2.25734	2.28961	2.22507	2.02194	ug/L	10/13/10	17:27	
62053-18 1/20	Ti	16.91273	17.18545	16.64002	2.28038	ug/L	10/13/10	17:27	
62053-18 1/20	Tl	2.51296	4.65818	0.36774	120.72579	ug/L	10/13/10	17:27	
62053-18 1/20	V	14.81202	14.67224	14.95180	1.33457	ug/L	10/13/10	17:27	
62053-18 1/20	Zn	97.73954	97.98132	97.49775	0.34984	ug/L	10/13/10	17:27	
62053-18 1/20	2203/1	6.77930	8.50023	5.05838	35.89976	ug/L	10/13/10	17:27	
62053-18 1/20	2203/2	7.35307	7.15549	7.55065	3.80005	ug/L	10/13/10	17:27	
62053-18 1/20	1960/1	-2.21636	-1.89422	-2.53850	20.55498	ug/L	10/13/10	17:27	
62053-18 1/20	1960/2	4.17235	5.98114	2.36356	61.30876	ug/L	10/13/10	17:27	
62053-18 1/20	Y	1490.61767	1484.86999	1496.36547	0.54531		10/13/10	17:27	
62053-18 1/50	Ag	0.28961	1.26361	-0.68438	475.61172	ug/L	10/13/10	17:32	
62053-18 1/50	Al	2839.94140	2844.73120	2835.15136	0.23852	ug/L	10/13/10	17:32	
62053-18 1/50	2Al	2.83994	2.84465	2.83523	0.23447	mg/L	10/13/10	17:32	
62053-18 1/50	As	-0.68755	-0.92402	-0.45109	48.63779	ug/L	10/13/10	17:32	
62053-18 1/50	B	1.49412	2.12286	0.86538	59.51114	ug/L	10/13/10	17:32	
62053-18 1/50	Ba	8.77914	8.79399	8.76430	0.23908	ug/L	10/13/10	17:32	
62053-18 1/50	Be	0.41579	0.41584	0.41575	0.01461	ug/L	10/13/10	17:32	
62053-18 1/50	Ca	151.37759	151.59397	151.16119	0.20216	ug/L	10/13/10	17:32	
62053-18 1/50	Cd	-0.15202	-0.12873	-0.17532	21.67113	ug/L	10/13/10	17:32	
62053-18 1/50	Co	4.65331	5.20255	4.10407	16.69214	ug/L	10/13/10	17:32	
62053-18 1/50	Cr	1.34967	1.79434	0.90500	46.59319	ug/L	10/13/10	17:32	
62053-18 1/50	Cu	0.59846	1.26405	-0.06713	157.28575	ug/L	10/13/10	17:32	
62053-18 1/50	Fe	5932.58203	5930.00927	5935.15527	0.06133	ug/L	10/13/10	17:32	
62053-18 1/50	2Fe	5.93183	5.92925	5.93440	0.06133	mg/L	10/13/10	17:32	
62053-18 1/50	K	643.41485	649.53930	637.29040	1.34614	ug/L	10/13/10	17:32	
62053-18 1/50	Mg	460.59600	462.89929	458.29272	0.70719	ug/L	10/13/10	17:32	
62053-18 1/50	2Mg	0.45958	0.46189	0.45728	0.70865	mg/L	10/13/10	17:32	
62053-18 1/50	Mn	363.85781	363.63165	364.08398	0.08790	ug/L	10/13/10	17:32	
62053-18 1/50	Mo	-2.07081	-2.58174	-1.55988	34.89273	ug/L	10/13/10	17:32	
62053-18 1/50	Na	3336.74975	3269.72460	3403.77490	2.84072	ug/L	10/13/10	17:32	
62053-18 1/50	Ni	27.13478	27.13054	27.13903	0.02210	ug/L	10/13/10	17:32	
62053-18 1/50	Pb	4.78446	3.46139	6.10753	39.10794	ug/L	10/13/10	17:32	
62053-18 1/50	Se	1.29391	-2.49359	5.08141	413.96490	ug/L	10/13/10	17:32	
62053-18 1/50	Sb	0.77965	3.23577	-1.67646	445.51458	ug/L	10/13/10	17:32	
62053-18 1/50	Sn	-0.94297	1.56868	-3.45464	376.68276	ug/L	10/13/10	17:32	
62053-18 1/50	Sr	1.01856	1.07452	0.96259	7.77033	ug/L	10/13/10	17:32	
62053-18 1/50	Ti	7.23505	7.35706	7.11304	2.38493	ug/L	10/13/10	17:32	
62053-18 1/50	Tl	2.70339	5.03307	0.37371	121.87126	ug/L	10/13/10	17:32	
62053-18 1/50	V	7.17212	7.01705	7.32719	3.05773	ug/L	10/13/10	17:32	
62053-18 1/50	Zn	45.44574	45.65954	45.23195	0.66530	ug/L	10/13/10	17:32	
62053-18 1/50	2203/1	7.87751	8.06239	7.69262	3.31915	ug/L	10/13/10	17:32	
62053-18 1/50	2203/2	3.24026	1.16434	5.31618	90.60363	ug/L	10/13/10	17:32	
62053-18 1/50	1960/1	-0.39364	-1.67446	0.88716	460.14254	ug/L	10/13/10	17:32	
62053-18 1/50	1960/2	2.13642	-2.90254	7.17540	333.55593	ug/L	10/13/10	17:32	
62053-18 1/50	Y	1239.94531	1237.13159	1242.75903	0.32091		10/13/10	17:32	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	470.91265	472.04443	469.78088	0.33988	ug/L	10/13/10	18:07	
CCV	Al	4740.60351	4736.20556	4745.00195	0.13120	ug/L	10/13/10	18:07	
CCV	2Al	4.74042	4.73575	4.74509	0.13933	mg/L	10/13/10	18:07	
CCV	As	492.91217	491.52984	494.29449	0.39660	ug/L	10/13/10	18:07	
CCV	B	4906.38378	4902.27978	4910.48828	0.11830	ug/L	10/13/10	18:07	
CCV	Ba	4770.50585	4757.16308	4783.84912	0.39555	ug/L	10/13/10	18:07	
CCV	Be	504.28369	504.82943	503.73791	0.15305	ug/L	10/13/10	18:07	
CCV	Ca	5181.30810	5190.15039	5172.46582	0.24134	ug/L	10/13/10	18:07	
CCV	Cd	523.86602	525.15570	522.57635	0.34815	ug/L	10/13/10	18:07	
CCV	Co	509.27966	508.90090	509.65844	0.10517	ug/L	10/13/10	18:07	
CCV	Cr	5041.46679	5049.85156	5033.08251	0.23519	ug/L	10/13/10	18:07	
CCV	Cu	4653.90429	4643.38330	4664.42480	0.31970	ug/L	10/13/10	18:07	
CCV	Fe	5014.84082	5046.99121	4982.69042	0.90665	ug/L	10/13/10	18:07	
CCV	2Fe	5.01483	5.04698	4.98268	0.90655	mg/L	10/13/10	18:07	
CCV	K	9234.33789	9261.96191	9206.71289	0.42306	ug/L	10/13/10	18:07	
CCV	Mg	5314.00195	5333.35009	5294.65332	0.51491	ug/L	10/13/10	18:07	
CCV	2Mg	5.31391	5.33325	5.29457	0.51465	mg/L	10/13/10	18:07	
CCV	Mn	5011.04003	5013.52539	5008.55468	0.07014	ug/L	10/13/10	18:07	
CCV	Mo	506.36444	509.79943	502.92944	0.95935	ug/L	10/13/10	18:07	
CCV	Na	7248.36572	7636.60156	6860.12988	7.57478	ug/L	10/13/10	18:07	
CCV	Ni	2566.11523	2570.50756	2561.72265	0.24207	ug/L	10/13/10	18:07	
CCV	Pb	530.09295	530.79046	529.39544	0.18608	ug/L	10/13/10	18:07	
CCV	Se	5025.53710	5026.51708	5024.55664	0.02758	ug/L	10/13/10	18:07	
CCV	Sb	482.33026	488.41995	476.24057	1.78552	ug/L	10/13/10	18:07	
CCV	Sn	5137.77539	5150.14697	5125.40332	0.34054	ug/L	10/13/10	18:07	
CCV	Sr	2401.77978	2400.23583	2403.32397	0.09091	ug/L	10/13/10	18:07	
CCV	Ti	487.48571	487.28656	487.68484	0.05777	ug/L	10/13/10	18:07	
CCV	Tl	5044.48193	5053.84130	5035.12255	0.26238	ug/L	10/13/10	18:07	
CCV	V	4929.11718	4931.13232	4927.10253	0.05780	ug/L	10/13/10	18:07	
CCV	Zn	2680.52026	2688.47998	2672.56054	0.41994	ug/L	10/13/10	18:07	
CCV	2203/1	525.49700	533.39941	517.59460	2.12668	ug/L	10/13/10	18:07	
CCV	2203/2	532.38745	529.48791	535.28698	0.77022	ug/L	10/13/10	18:07	
CCV	1960/1	5008.01855	5020.35595	4995.68066	0.34840	ug/L	10/13/10	18:07	
CCV	1960/2	5034.28320	5029.59277	5038.97314	0.13175	ug/L	10/13/10	18:07	
CCV	Y	1105.59960	1109.69873	1101.50036	0.52434		10/13/10	18:07	
CCB	Ag	-2.43734	-0.47022	-4.40447	114.13779	ug/L	10/13/10	18:12	
CCB	Al	-6.26867	-10.41438	-2.12296	93.52731	ug/L	10/13/10	18:12	
CCB	2Al	-0.00626	-0.01041	-0.00212	93.52838	mg/L	10/13/10	18:12	
CCB	As	0.01899	0.23956	-0.20157	1642.42810	ug/L	10/13/10	18:12	
CCB	B	10.05081	11.10580	8.99582	14.84437	ug/L	10/13/10	18:12	
CCB	Ba	-0.39673	-0.01156	-0.78190	137.29992	ug/L	10/13/10	18:12	
CCB	Be	-0.07822	-0.02143	-0.13502	102.67488	ug/L	10/13/10	18:12	
CCB	Ca	1.88482	5.29050	-1.52085	255.53312	ug/L	10/13/10	18:12	
CCB	Cd	-0.82144	-0.54531	-1.09757	47.53913	ug/L	10/13/10	18:12	
CCB	Co	0.82108	0.46467	1.17748	61.38650	ug/L	10/13/10	18:12	
CCB	Cr	0.35583	0.31617	0.39549	15.76132	ug/L	10/13/10	18:12	
CCB	Cu	-0.40971	-0.46345	-0.35596	18.55109	ug/L	10/13/10	18:12	
CCB	Fe	-36.05473	-12.31215	-59.79731	93.12805	ug/L	10/13/10	18:12	
CCB	2Fe	-0.03605	-0.01231	-0.05978	93.12831	mg/L	10/13/10	18:12	
CCB	K	-80.90669	-45.71985	-116.09352	61.50505	ug/L	10/13/10	18:12	
CCB	Mg	6.36314	6.36780	6.35847	0.10369	ug/L	10/13/10	18:12	
CCB	2Mg	0.00636	0.00636	0.00636	0.01153	mg/L	10/13/10	18:12	
CCB	Mn	0.34543	0.41035	0.28051	26.57884	ug/L	10/13/10	18:12	
CCB	Mo	-4.42641	-2.58174	-6.27107	58.93597	ug/L	10/13/10	18:12	
CCB	Na	209.68737	310.81408	108.56068	68.20379	ug/L	10/13/10	18:12	
CCB	Ni	-1.64946	0.41375	-3.71267	176.89605	ug/L	10/13/10	18:12	
CCB	Pb	1.74418	2.49785	0.99050	61.10937	ug/L	10/13/10	18:12	
CCB	Se	-6.06719	-2.22329	-9.91108	89.59809	ug/L	10/13/10	18:12	
CCB	Sb	-11.17420	-5.41925	-16.92915	72.83499	ug/L	10/13/10	18:12	
CCB	Sn	-9.09784	-3.67427	-14.52142	84.30667	ug/L	10/13/10	18:12	
CCB	Sr	0.12073	0.14244	0.09902	25.42899	ug/L	10/13/10	18:12	
CCB	Ti	0.13358	0.12194	0.14522	12.32667	ug/L	10/13/10	18:12	
CCB	Tl	0.35161	7.43158	-6.72834	2847.56372	ug/L	10/13/10	18:12	
CCB	V	-3.60807	-1.18292	-6.03323	95.05568	ug/L	10/13/10	18:12	
CCB	Zn	0.58115	0.57832	0.58398	0.68851	ug/L	10/13/10	18:12	
CCB	2203/1	-14.75153	-4.08554	-25.41753	102.25373	ug/L	10/13/10	18:12	
CCB	2203/2	9.97967	5.78462	14.17473	59.44784	ug/L	10/13/10	18:12	
CCB	1960/1	-14.84960	-3.81048	-25.88873	105.13196	ug/L	10/13/10	18:12	
CCB	1960/2	-1.68256	-1.43089	-1.93424	21.15335	ug/L	10/13/10	18:12	
CCB	Y	1104.82250	1108.15319	1101.49194	0.42633		10/13/10	18:12	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 182698	Ag	-0.95427	-1.14984	-0.75869	28.98406	ug/L	10/13/10	18:31	
PBW 182698	Al	-0.14933	1.41831	-1.71699	1484.52917	ug/L	10/13/10	18:31	
PBW 182698	2Al	-0.00014	0.00141	-0.00171	1484.70227	mg/L	10/13/10	18:31	
PBW 182698	As	-1.32109	1.67701	-4.31919	320.94338	ug/L	10/13/10	18:31	
PBW 182698	B	1.39421	1.81532	0.97311	42.71453	ug/L	10/13/10	18:31	
PBW 182698	Ba	-0.08900	-0.09510	-0.08289	9.70124	ug/L	10/13/10	18:31	
PBW 182698	Be	-0.03410	-0.01859	-0.04961	64.33188	ug/L	10/13/10	18:31	
PBW 182698	Ca	48.69944	48.56157	48.83731	0.40036	ug/L	10/13/10	18:31	
PBW 182698	Cd	-0.69035	-0.71487	-0.66582	5.02454	ug/L	10/13/10	18:31	
PBW 182698	Co	0.46867	1.27640	-0.33905	243.73132	ug/L	10/13/10	18:31	
PBW 182698	Cr	1.25869	1.75832	0.75906	56.13635	ug/L	10/13/10	18:31	
PBW 182698	Cu	0.05373	0.20203	-0.09456	390.26638	ug/L	10/13/10	18:31	
PBW 182698	Fe	4.27424	3.61609	4.93239	21.77608	ug/L	10/13/10	18:31	
PBW 182698	2Fe	0.00427	0.00361	0.00493	21.76706	mg/L	10/13/10	18:31	
PBW 182698	K	-34.33527	-36.69551	-31.97503	9.72144	ug/L	10/13/10	18:31	
PBW 182698	Mg	12.18706	15.08785	9.28628	33.66130	ug/L	10/13/10	18:31	
PBW 182698	2Mg	0.01218	0.01508	0.00928	33.66383	mg/L	10/13/10	18:31	
PBW 182698	Mn	0.80376	0.82677	0.78074	4.04989	ug/L	10/13/10	18:31	
PBW 182698	Mo	-3.04708	-2.27265	-3.82150	35.94277	ug/L	10/13/10	18:31	
PBW 182698	Na	-35.66237	-48.08419	-23.24055	49.25951	ug/L	10/13/10	18:31	
PBW 182698	Ni	-0.52513	-0.18633	-0.86392	91.23958	ug/L	10/13/10	18:31	
PBW 182698	Pb	1.68038	1.46672	1.89405	17.98231	ug/L	10/13/10	18:31	
PBW 182698	Se	-4.75869	-3.88538	-5.63199	25.95334	ug/L	10/13/10	18:31	
PBW 182698	Sb	-9.55615	-7.68546	-11.42683	27.68421	ug/L	10/13/10	18:31	
PBW 182698	Sn	8.33734	8.29885	8.37583	0.65285	ug/L	10/13/10	18:31	
PBW 182698	Sr	0.13820	0.16355	0.11286	25.93388	ug/L	10/13/10	18:31	
PBW 182698	Ti	-0.13414	-0.00415	-0.26413	137.04058	ug/L	10/13/10	18:31	
PBW 182698	Tl	-3.67759	-3.07250	-4.28268	23.26875	ug/L	10/13/10	18:31	
PBW 182698	V	-2.29151	-1.98162	-2.60139	19.12459	ug/L	10/13/10	18:31	
PBW 182698	Zn	8.91901	8.87612	8.96190	0.68010	ug/L	10/13/10	18:31	
PBW 182698	2203/1	-6.39361	-7.82007	-4.96716	31.55193	ug/L	10/13/10	18:31	
PBW 182698	2203/2	5.71133	6.10315	5.31952	9.70192	ug/L	10/13/10	18:31	
PBW 182698	1960/1	-12.25495	-8.31602	-16.19389	45.45503	ug/L	10/13/10	18:31	
PBW 182698	1960/2	-1.01617	-1.67339	-0.35896	91.46417	ug/L	10/13/10	18:31	
PBW 182698	Y	1094.11669	1095.61193	1092.62158	0.19326		10/13/10	18:31	
LCSW-1	Ag	45.54989	45.39275	45.70703	0.48787	ug/L	10/13/10	18:36	
LCSW-1	Al	1942.87487	1942.75854	1942.99121	0.00846	ug/L	10/13/10	18:36	
LCSW-1	2Al	1.94283	1.94281	1.94286	0.00185	mg/L	10/13/10	18:36	
LCSW-1	As	1983.99377	1987.99890	1979.98864	0.28549	ug/L	10/13/10	18:36	
LCSW-1	B	961.19262	957.75622	964.62908	0.50560	ug/L	10/13/10	18:36	
LCSW-1	Ba	1967.10510	1965.38024	1968.82995	0.12400	ug/L	10/13/10	18:36	
LCSW-1	Be	50.79503	50.84037	50.74969	0.12623	ug/L	10/13/10	18:36	
LCSW-1	Ca	5113.28906	5116.35351	5110.22412	0.08476	ug/L	10/13/10	18:36	
LCSW-1	Cd	53.38052	53.38463	53.37640	0.01090	ug/L	10/13/10	18:36	
LCSW-1	Co	521.47204	521.49981	521.44427	0.00753	ug/L	10/13/10	18:36	
LCSW-1	Cr	206.51945	207.45002	205.58888	0.63724	ug/L	10/13/10	18:36	
LCSW-1	Cu	235.96868	235.78292	236.15444	0.11133	ug/L	10/13/10	18:36	
LCSW-1	Fe	1017.92187	1014.80517	1021.03851	0.43300	ug/L	10/13/10	18:36	
LCSW-1	2Fe	1.01800	1.01489	1.02112	0.43291	mg/L	10/13/10	18:36	
LCSW-1	K	4557.25097	4558.25585	4556.24609	0.03118	ug/L	10/13/10	18:36	
LCSW-1	Mg	5244.44824	5258.06591	5230.83007	0.36721	ug/L	10/13/10	18:36	
LCSW-1	2Mg	5.24302	5.25663	5.22940	0.36723	mg/L	10/13/10	18:36	
LCSW-1	Mn	511.16131	511.16403	511.15856	0.00075	ug/L	10/13/10	18:36	
LCSW-1	Mo	504.96099	503.89306	506.02896	0.29909	ug/L	10/13/10	18:36	
LCSW-1	Na	4977.11816	4948.00146	5006.23437	0.82732	ug/L	10/13/10	18:36	
LCSW-1	Ni	520.80187	522.33807	519.26568	0.41714	ug/L	10/13/10	18:36	
LCSW-1	Pb	532.58520	535.25787	529.91247	0.70970	ug/L	10/13/10	18:36	
LCSW-1	Se	2048.08374	2050.61157	2045.55578	0.17455	ug/L	10/13/10	18:36	
LCSW-1	Sb	464.50781	454.20285	474.81274	3.13738	ug/L	10/13/10	18:36	
LCSW-1	Sn	1025.40783	1026.37792	1024.43774	0.13379	ug/L	10/13/10	18:36	
LCSW-1	Sr	488.24908	487.96707	488.53109	0.08168	ug/L	10/13/10	18:36	
LCSW-1	Ti	965.63757	964.91821	966.35699	0.10535	ug/L	10/13/10	18:36	
LCSW-1	Tl	2093.64599	2094.03979	2093.25195	0.02660	ug/L	10/13/10	18:36	
LCSW-1	V	495.07534	494.94903	495.20166	0.03608	ug/L	10/13/10	18:36	
LCSW-1	Zn	551.93218	552.57141	551.29296	0.16378	ug/L	10/13/10	18:36	
LCSW-1	2203/1	533.39709	532.77185	534.02227	0.16576	ug/L	10/13/10	18:36	
LCSW-1	2203/2	532.17980	536.49902	527.86065	1.14777	ug/L	10/13/10	18:36	
LCSW-1	1960/1	2056.86791	2052.19506	2061.54077	0.32128	ug/L	10/13/10	18:36	
LCSW-1	1960/2	2043.69750	2049.82055	2037.57446	0.42370	ug/L	10/13/10	18:36	
LCSW-1	Y	1105.09130	1101.91198	1108.27075	0.40687		10/13/10	18:36	

d1Q1310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62051-1	Ag	1.04510	1.09173	0.99847	6.30989	ug/L	10/13/10	18:41	
62051-1	Al	115941.84375	116082.29687	115801.38281	0.17132	ug/L	10/13/10	18:41	
62051-1	2Al	115.93681	116.07934	115.79428	0.17385	mg/L	10/13/10	18:41	
62051-1	As	15.52150	17.10608	13.93693	14.43754	ug/L	10/13/10	18:41	
62051-1	B	85.29233	85.33695	85.24771	0.07399	ug/L	10/13/10	18:41	
62051-1	Ba	1847.69506	1848.60900	1846.78100	0.06995	ug/L	10/13/10	18:41	
62051-1	Be	20.00015	19.96901	20.03128	0.22015	ug/L	10/13/10	18:41	
62051-1	Ca	29630.67187	29669.46679	29591.87890	0.18515	ug/L	10/13/10	18:41	
62051-1	Cd	0.01664	-0.28148	0.31478	2532.87304	ug/L	10/13/10	18:41	
62051-1	Co	217.26138	218.93446	215.58831	1.08904	ug/L	10/13/10	18:41	
62051-1	Cr	277.81555	278.03237	277.59872	0.11037	ug/L	10/13/10	18:41	
62051-1	Cu	41.28320	41.20512	41.36128	0.26748	ug/L	10/13/10	18:41	
62051-1	Fe	290616.84375	291041.68750	290192.00000	0.20673	ug/L	10/13/10	18:41	
62051-1	2Fe	290.55859	290.98834	290.12884	0.20916	mg/L	10/13/10	18:41	
62051-1	K	47442.66015	47505.03515	47380.28515	0.18593	ug/L	10/13/10	18:41	
62051-1	Mg	66008.76562	66138.30468	65879.21875	0.27754	ug/L	10/13/10	18:41	
62051-1	2Mg	65.93861	66.06946	65.80775	0.28065	mg/L	10/13/10	18:41	
62051-1	Mn	8321.39843	8330.01953	8312.77734	0.14651	ug/L	10/13/10	18:41	
62051-1	Mo	-0.88995	-0.77797	-1.00193	17.79390	ug/L	10/13/10	18:41	
62051-1	Na	1398.67236	1198.56872	1598.77600	20.23270	ug/L	10/13/10	18:41	
62051-1	Ni	265.67663	263.93218	267.42111	0.92858	ug/L	10/13/10	18:41	
62051-1	Pb	296.24520	296.49993	295.99047	0.12160	ug/L	10/13/10	18:41	
62051-1	Se	6.58026	3.34487	9.81566	69.53421	ug/L	10/13/10	18:41	
62051-1	Sb	5.27158	2.66726	7.87590	69.86627	ug/L	10/13/10	18:41	
62051-1	Sn	22.35286	20.80619	23.89952	9.78538	ug/L	10/13/10	18:41	
62051-1	Sr	81.42745	81.54978	81.30513	0.21245	ug/L	10/13/10	18:41	
62051-1	Ti	4435.95556	4437.33886	4434.57226	0.04410	ug/L	10/13/10	18:41	
62051-1	Tl	14.14162	8.00360	20.27964	61.38241	ug/L	10/13/10	18:41	
62051-1	V	316.29846	315.52832	317.06863	0.34434	ug/L	10/13/10	18:41	
62051-1	Zn	541.84918	542.79205	540.90631	0.24608	ug/L	10/13/10	18:41	
62051-1	2203/1	308.27001	307.81738	308.72262	0.20764	ug/L	10/13/10	18:41	
62051-1	2203/2	290.24182	290.84970	289.63397	0.29618	ug/L	10/13/10	18:41	
62051-1	1960/1	10.57629	4.60936	16.54323	79.78707	ug/L	10/13/10	18:41	
62051-1	1960/2	4.58525	2.71357	6.45692	57.72735	ug/L	10/13/10	18:41	
62051-1	Y	1125.92333	1126.46520	1125.38159	0.06805		10/13/10	18:41	
62051-1S	Ag	44.24451	44.19812	44.29090	0.14828	ug/L	10/13/10	18:46	
62051-1S	Al	129317.25000	129092.66406	129541.83593	0.24560	ug/L	10/13/10	18:46	
62051-1S	2Al	129.31420	129.09184	129.53659	0.24319	mg/L	10/13/10	18:46	
62051-1S	As	1875.13208	1867.58691	1882.67736	0.56905	ug/L	10/13/10	18:46	
62051-1S	B	969.74829	965.91906	973.57757	0.55843	ug/L	10/13/10	18:46	
62051-1S	Ba	3855.98486	3853.92700	3858.04248	0.07546	ug/L	10/13/10	18:46	
62051-1S	Be	68.16748	67.96330	68.37166	0.42359	ug/L	10/13/10	18:46	
62051-1S	Ca	32235.79296	32138.77734	32332.81054	0.42562	ug/L	10/13/10	18:46	
62051-1S	Cd	50.18373	50.34132	50.02614	0.44410	ug/L	10/13/10	18:46	
62051-1S	Co	652.94006	650.75311	655.12707	0.47368	ug/L	10/13/10	18:46	
62051-1S	Cr	471.30905	469.43554	473.18255	0.56216	ug/L	10/13/10	18:46	
62051-1S	Cu	255.70779	254.71807	256.69750	0.54737	ug/L	10/13/10	18:46	
62051-1S	Fe	268407.62500	267649.34375	269165.93750	0.39953	ug/L	10/13/10	18:46	
62051-1S	2Fe	268.36004	267.60604	269.11404	0.39734	mg/L	10/13/10	18:46	
62051-1S	K	51161.66406	51063.84765	51259.48437	0.27039	ug/L	10/13/10	18:46	
62051-1S	Mg	68329.79687	68052.63281	68606.95312	0.57363	ug/L	10/13/10	18:46	
62051-1S	2Mg	68.26817	67.99257	68.54377	0.57092	mg/L	10/13/10	18:46	
62051-1S	Mn	13585.82421	13554.84472	13616.80468	0.32248	ug/L	10/13/10	18:46	
62051-1S	Mo	448.92791	447.72332	450.13247	0.37946	ug/L	10/13/10	18:46	
62051-1S	Na	5458.24121	5349.49365	5566.98876	2.81761	ug/L	10/13/10	18:46	
62051-1S	Ni	790.73901	789.30499	792.17303	0.25647	ug/L	10/13/10	18:46	
62051-1S	Pb	774.98535	772.51391	777.45678	0.45099	ug/L	10/13/10	18:46	
62051-1S	Se	1885.85205	1889.23010	1882.47412	0.25331	ug/L	10/13/10	18:46	
62051-1S	Sb	322.90765	314.52389	331.29144	3.67177	ug/L	10/13/10	18:46	
62051-1S	Sn	975.87115	971.19067	980.55163	0.67828	ug/L	10/13/10	18:46	
62051-1S	Sr	530.78161	529.75476	531.80841	0.27358	ug/L	10/13/10	18:46	
62051-1S	Ti	5487.77441	5476.71679	5498.83251	0.28496	ug/L	10/13/10	18:46	
62051-1S	Tl	1959.91674	1955.87939	1963.95397	0.29131	ug/L	10/13/10	18:46	
62051-1S	V	769.37390	768.09710	770.65063	0.23468	ug/L	10/13/10	18:46	
62051-1S	Zn	1023.67675	1019.57543	1027.77807	0.56659	ug/L	10/13/10	18:46	
62051-1S	2203/1	799.86047	802.06835	797.65264	0.39036	ug/L	10/13/10	18:46	
62051-1S	2203/2	762.56640	757.75885	767.37402	0.89158	ug/L	10/13/10	18:46	
62051-1S	1960/1	1911.71447	1912.33532	1911.09362	0.04592	ug/L	10/13/10	18:46	
62051-1S	1960/2	1872.94030	1877.69482	1868.18579	0.35900	ug/L	10/13/10	18:46	
62051-1S	Y	1164.97497	1159.64514	1170.30480	0.64701		10/13/10	18:46	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62051-1SD	Ag	46.80493	47.44107	46.16878	1.92212	ug/L	10/13/10	18:51	
62051-1SD	Al	127784.84375	127578.62500	127991.07031	0.22822	ug/L	10/13/10	18:51	
62051-1SD	2Al	127.78805	127.58190	127.99419	0.22813	mg/L	10/13/10	18:51	
62051-1SD	As	1975.45556	1971.73303	1979.17822	0.26649	ug/L	10/13/10	18:51	
62051-1SD	B	1020.25335	1018.16113	1022.34558	0.29001	ug/L	10/13/10	18:51	
62051-1SD	Ba	4244.73730	4243.49707	4245.97705	0.04131	ug/L	10/13/10	18:51	
62051-1SD	Be	71.69899	71.73901	71.65898	0.07892	ug/L	10/13/10	18:51	
62051-1SD	Ca	31671.72851	31675.87695	31667.58007	0.01852	ug/L	10/13/10	18:51	
62051-1SD	Cd	52.75540	52.93893	52.57187	0.49198	ug/L	10/13/10	18:51	
62051-1SD	Co	687.48193	687.70129	687.26263	0.04511	ug/L	10/13/10	18:51	
62051-1SD	Cr	492.27770	491.77416	492.78121	0.14465	ug/L	10/13/10	18:51	
62051-1SD	Cu	274.30371	274.02670	274.58074	0.14282	ug/L	10/13/10	18:51	
62051-1SD	Fe	286415.93750	286320.06250	286511.81250	0.04733	ug/L	10/13/10	18:51	
62051-1SD	2Fe	286.37884	286.28298	286.47470	0.04733	mg/L	10/13/10	18:51	
62051-1SD	K	51555.85937	51532.06640	51579.65234	0.06526	ug/L	10/13/10	18:51	
62051-1SD	Mg	70254.95312	70250.79687	70259.10937	0.00836	ug/L	10/13/10	18:51	
62051-1SD	2Mg	70.19084	70.18670	70.19499	0.00834	mg/L	10/13/10	18:51	
62051-1SD	Mn	13291.96093	13286.92675	13296.99511	0.05356	ug/L	10/13/10	18:51	
62051-1SD	Mo	471.53515	470.40963	472.66064	0.33755	ug/L	10/13/10	18:51	
62051-1SD	Na	5789.52294	5778.97607	5800.06982	0.25762	ug/L	10/13/10	18:51	
62051-1SD	Ni	827.12768	824.30212	829.95324	0.48311	ug/L	10/13/10	18:51	
62051-1SD	Pb	812.33227	809.98468	814.67993	0.40870	ug/L	10/13/10	18:51	
62051-1SD	Se	1985.11279	1989.77600	1980.44970	0.33220	ug/L	10/13/10	18:51	
62051-1SD	Sb	348.91436	347.07778	350.75091	0.74439	ug/L	10/13/10	18:51	
62051-1SD	Sn	1023.04357	1027.89367	1018.19342	0.67046	ug/L	10/13/10	18:51	
62051-1SD	Sr	558.77020	559.21215	558.32824	0.11185	ug/L	10/13/10	18:51	
62051-1SD	Ti	5862.66308	5860.06298	5865.26269	0.06271	ug/L	10/13/10	18:51	
62051-1SD	Tl	2062.37744	2062.85839	2061.89672	0.03297	ug/L	10/13/10	18:51	
62051-1SD	V	800.47180	800.47021	800.47338	0.00028	ug/L	10/13/10	18:51	
62051-1SD	Zn	1072.98461	1072.58703	1073.38232	0.05241	ug/L	10/13/10	18:51	
62051-1SD	2203/1	822.64550	826.19726	819.09381	0.61057	ug/L	10/13/10	18:51	
62051-1SD	2203/2	807.18347	801.89056	812.47631	0.92733	ug/L	10/13/10	18:51	
62051-1SD	1960/1	1989.66821	2005.53601	1973.80029	1.12785	ug/L	10/13/10	18:51	
62051-1SD	1960/2	1982.83862	1981.90783	1983.76940	0.06638	ug/L	10/13/10	18:51	
62051-1SD	Y	1156.85217	1158.25915	1155.44519	0.17199		10/13/10	18:51	
62051-2	Ag	-0.69315	-1.77748	0.39117	221.23054	ug/L	10/13/10	18:57	
62051-2	Al	111786.58593	111625.34375	111947.82812	0.20398	ug/L	10/13/10	18:57	
62051-2	2Al	111.77900	111.61621	111.94180	0.20596	mg/L	10/13/10	18:57	
62051-2	As	12.95785	14.38870	11.52699	15.61626	ug/L	10/13/10	18:57	
62051-2	B	77.49783	79.29438	75.70128	3.27841	ug/L	10/13/10	18:57	
62051-2	Ba	1953.50061	1952.14880	1954.85241	0.09786	ug/L	10/13/10	18:57	
62051-2	Be	20.47624	20.40249	20.54998	0.50935	ug/L	10/13/10	18:57	
62051-2	Ca	28804.37890	28746.41406	28862.34570	0.28459	ug/L	10/13/10	18:57	
62051-2	Cd	0.22558	0.29296	0.15820	42.24105	ug/L	10/13/10	18:57	
62051-2	Co	189.69654	189.87442	189.51867	0.13260	ug/L	10/13/10	18:57	
62051-2	Cr	269.82116	270.53213	269.11022	0.37263	ug/L	10/13/10	18:57	
62051-2	Cu	30.27125	31.50495	29.03756	5.76358	ug/L	10/13/10	18:57	
62051-2	Fe	272812.00000	272252.21875	273371.78125	0.29018	ug/L	10/13/10	18:57	
62051-2	2Fe	272.75128	272.18783	273.31469	0.29213	mg/L	10/13/10	18:57	
62051-2	K	43837.14062	43776.76562	43897.51953	0.19477	ug/L	10/13/10	18:57	
62051-2	Mg	63301.13671	63163.28125	63438.99218	0.30798	ug/L	10/13/10	18:57	
62051-2	2Mg	63.23679	63.09771	63.37588	0.31104	mg/L	10/13/10	18:57	
62051-2	Mn	12224.60351	12203.43652	12245.76953	0.24486	ug/L	10/13/10	18:57	
62051-2	Mo	-0.49987	-1.92643	0.92668	403.59466	ug/L	10/13/10	18:57	
62051-2	Na	851.81390	816.96917	886.65863	5.78505	ug/L	10/13/10	18:57	
62051-2	Ni	305.04718	304.77105	305.32327	0.12800	ug/L	10/13/10	18:57	
62051-2	Pb	294.35086	295.52755	293.17416	0.56534	ug/L	10/13/10	18:57	
62051-2	Se	6.42451	1.68569	11.16333	104.31458	ug/L	10/13/10	18:57	
62051-2	Sb	3.38248	2.91810	3.84686	19.41554	ug/L	10/13/10	18:57	
62051-2	Sn	14.94165	11.07398	18.80932	36.60715	ug/L	10/13/10	18:57	
62051-2	Sr	82.08853	82.22333	81.95372	0.23223	ug/L	10/13/10	18:57	
62051-2	Ti	4396.84765	4391.38720	4402.30859	0.17563	ug/L	10/13/10	18:57	
62051-2	Tl	12.82877	8.26542	17.39211	50.30527	ug/L	10/13/10	18:57	
62051-2	V	294.51693	294.01849	295.01538	0.23934	ug/L	10/13/10	18:57	
62051-2	Zn	518.68994	516.87890	520.50091	0.49377	ug/L	10/13/10	18:57	
62051-2	2203/1	307.47131	298.11303	316.82955	4.30433	ug/L	10/13/10	18:57	
62051-2	2203/2	287.80047	294.23675	281.36419	3.16270	ug/L	10/13/10	18:57	
62051-2	1960/1	5.85582	-6.32760	18.03926	294.23635	ug/L	10/13/10	18:57	
62051-2	1960/2	6.70843	5.68633	7.73053	21.54700	ug/L	10/13/10	18:57	
62051-2	Y	1160.51025	1162.73632	1158.28430	0.27126		10/13/10	18:57	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62051-3	Ag	-0.73411	-0.70515	-0.76307	5.57932	ug/L	10/13/10	19:02	
62051-3	Al	141247.53125	147368.01562	135127.06250	6.12800	ug/L	10/13/10	19:02	
62051-3	2Al	141.24258	147.35969	135.12545	6.12486	mg/L	10/13/10	19:02	
62051-3	As	36.69948	38.77547	34.62349	7.99980	ug/L	10/13/10	19:02	
62051-3	B	33.70380	34.76608	32.64153	4.45731	ug/L	10/13/10	19:02	
62051-3	Ba	672.85522	701.85083	643.85961	6.09432	ug/L	10/13/10	19:02	
62051-3	Be	7.80559	8.14754	7.46365	6.19537	ug/L	10/13/10	19:02	
62051-3	Ca	17975.81640	18720.65429	17230.97656	5.85987	ug/L	10/13/10	19:02	
62051-3	Cd	0.02208	0.16773	-0.12355	932.43078	ug/L	10/13/10	19:02	
62051-3	Co	78.59711	81.73762	75.45660	5.65078	ug/L	10/13/10	19:02	
62051-3	Cr	157.39970	164.56225	150.23715	6.43544	ug/L	10/13/10	19:02	
62051-3	Cu	131.28479	137.17875	125.39081	6.34904	ug/L	10/13/10	19:02	
62051-3	Fe	164349.35937	171361.70312	157337.01562	6.03406	ug/L	10/13/10	19:02	
62051-3	2Fe	164.31826	171.32595	157.31059	6.03119	mg/L	10/13/10	19:02	
62051-3	K	5922.60253	6137.22656	5707.97900	5.12483	ug/L	10/13/10	19:02	
62051-3	Mg	19978.87695	20803.48242	19154.27148	5.83700	ug/L	10/13/10	19:02	
62051-3	2Mg	19.94607	20.76929	19.12286	5.83673	mg/L	10/13/10	19:02	
62051-3	Mn	3792.55468	3952.99975	3632.10961	5.98286	ug/L	10/13/10	19:02	
62051-3	Mo	30.79862	32.64647	28.95077	8.48496	ug/L	10/13/10	19:02	
62051-3	Na	950.50122	978.31030	922.69207	4.13760	ug/L	10/13/10	19:02	
62051-3	Ni	101.30377	104.64933	97.95820	4.67045	ug/L	10/13/10	19:02	
62051-3	Pb	189.55813	196.64822	182.46804	5.28961	ug/L	10/13/10	19:02	
62051-3	Se	1.11670	-3.42897	5.66237	575.67376	ug/L	10/13/10	19:02	
62051-3	Sb	-3.95769	-3.53448	-4.38089	15.12260	ug/L	10/13/10	19:02	
62051-3	Sn	14.56650	13.78057	15.35242	7.63029	ug/L	10/13/10	19:02	
62051-3	Sr	110.91214	115.33496	106.48933	5.63942	ug/L	10/13/10	19:02	
62051-3	Ti	2216.22460	2310.43676	2122.01269	6.01184	ug/L	10/13/10	19:02	
62051-3	Tl	-1.02107	3.18994	-5.23209	583.23889	ug/L	10/13/10	19:02	
62051-3	V	236.71585	246.35833	227.07337	5.76071	ug/L	10/13/10	19:02	
62051-3	Zn	339.90728	353.36172	326.45281	5.59784	ug/L	10/13/10	19:02	
62051-3	2203/1	200.10946	206.88578	193.33314	4.78896	ug/L	10/13/10	19:02	
62051-3	2203/2	184.29039	191.53712	177.04365	5.56102	ug/L	10/13/10	19:02	
62051-3	1960/1	-7.10553	-8.43153	-5.77952	26.39150	ug/L	10/13/10	19:02	
62051-3	1960/2	5.22165	-0.93144	11.37475	166.64822	ug/L	10/13/10	19:02	
62051-3	Y	1101.79858	1059.82800	1143.76916	5.38713		10/13/10	19:02	
62051-4	Ag	-1.06794	-1.27920	-0.85668	27.97614	ug/L	10/13/10	19:07	
62051-4	Al	156791.81250	156786.17187	156797.43750	0.00508	ug/L	10/13/10	19:07	
62051-4	2Al	156.78704	156.78291	156.79119	0.00373	mg/L	10/13/10	19:07	
62051-4	As	45.92440	44.10520	47.74359	5.60208	ug/L	10/13/10	19:07	
62051-4	B	41.97991	41.52123	42.43858	1.54517	ug/L	10/13/10	19:07	
62051-4	Ba	792.29528	793.23449	791.35601	0.16765	ug/L	10/13/10	19:07	
62051-4	Be	8.75855	8.70708	8.81001	0.83099	ug/L	10/13/10	19:07	
62051-4	Ca	15296.85058	15301.46875	15292.23242	0.04269	ug/L	10/13/10	19:07	
62051-4	Cd	0.29352	-0.01077	0.59783	146.61457	ug/L	10/13/10	19:07	
62051-4	Co	78.21398	78.40174	78.02623	0.33948	ug/L	10/13/10	19:07	
62051-4	Cr	194.29406	194.51403	194.07408	0.16011	ug/L	10/13/10	19:07	
62051-4	Cu	151.77093	151.52882	152.01306	0.22560	ug/L	10/13/10	19:07	
62051-4	Fe	179341.65625	179337.32812	179345.96875	0.00340	ug/L	10/13/10	19:07	
62051-4	2Fe	179.30862	179.30593	179.31132	0.00212	mg/L	10/13/10	19:07	
62051-4	K	7945.65625	7917.33496	7973.97705	0.50407	ug/L	10/13/10	19:07	
62051-4	Mg	24535.58398	24534.01171	24537.15625	0.00906	ug/L	10/13/10	19:07	
62051-4	2Mg	24.49932	24.49775	24.50089	0.00906	mg/L	10/13/10	19:07	
62051-4	Mn	4800.86376	4803.24023	4798.48730	0.07000	ug/L	10/13/10	19:07	
62051-4	Mo	36.41113	35.43291	37.38935	3.79941	ug/L	10/13/10	19:07	
62051-4	Na	792.80609	548.19775	1037.41442	43.63342	ug/L	10/13/10	19:07	
62051-4	Ni	116.80636	116.07180	117.54092	0.88935	ug/L	10/13/10	19:07	
62051-4	Pb	177.34400	178.80364	175.88436	1.16397	ug/L	10/13/10	19:07	
62051-4	Se	0.40844	0.62153	0.19536	73.77882	ug/L	10/13/10	19:07	
62051-4	Sb	-5.48643	-5.06826	-5.90460	10.77901	ug/L	10/13/10	19:07	
62051-4	Sn	14.57943	13.38134	15.77752	11.62154	ug/L	10/13/10	19:07	
62051-4	Sr	114.49597	114.58850	114.40345	0.11428	ug/L	10/13/10	19:07	
62051-4	Ti	2912.20068	2914.73535	2909.66601	0.12308	ug/L	10/13/10	19:07	
62051-4	Tl	2.89451	3.77130	2.01772	42.83840	ug/L	10/13/10	19:07	
62051-4	V	280.17083	279.72720	280.61444	0.22392	ug/L	10/13/10	19:07	
62051-4	Zn	393.03909	393.28491	392.79327	0.08844	ug/L	10/13/10	19:07	
62051-4	2203/1	184.45579	187.55220	181.35939	2.37399	ug/L	10/13/10	19:07	
62051-4	2203/2	173.79345	174.43592	173.15097	0.52280	ug/L	10/13/10	19:07	
62051-4	1960/1	-3.03593	1.02603	-7.09790	189.21676	ug/L	10/13/10	19:07	
62051-4	1960/2	2.12805	0.41958	3.83652	113.53754	ug/L	10/13/10	19:07	
62051-4	Y	1142.01354	1140.26635	1143.76074	0.21636		10/13/10	19:07	

38

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62043-1	Ag	-0.38152	-0.09613	-0.66691	105.78733	ug/L	10/13/10	19:12	
62043-1	Al	34326.50000	34286.43359	34366.56640	0.16506	ug/L	10/13/10	19:12	
62043-1	2Al	34.32672	34.28727	34.36616	0.16250	mg/L	10/13/10	19:12	
62043-1	As	18.07959	15.12290	21.03629	23.12771	ug/L	10/13/10	19:12	
62043-1	B	16.27979	17.46569	15.09389	10.30180	ug/L	10/13/10	19:12	
62043-1	Ba	150.42970	150.46427	150.39512	0.03250	ug/L	10/13/10	19:12	
62043-1	Be	2.81410	2.84903	2.77918	1.75514	ug/L	10/13/10	19:12	
62043-1	Ca	10195.66894	10194.59863	10196.73925	0.01484	ug/L	10/13/10	19:12	
62043-1	Cd	0.84521	0.62176	1.06866	37.38761	ug/L	10/13/10	19:12	
62043-1	Co	24.74169	24.50440	24.97898	1.35630	ug/L	10/13/10	19:12	
62043-1	Cr	58.24607	57.97183	58.52031	0.66585	ug/L	10/13/10	19:12	
62043-1	Cu	58.86677	58.62556	59.10797	0.57946	ug/L	10/13/10	19:12	
62043-1	Fe	73602.06250	73522.57812	73681.55468	0.15273	ug/L	10/13/10	19:12	
62043-1	2Fe	73.59111	73.51328	73.66893	0.14955	mg/L	10/13/10	19:12	
62043-1	K	2758.06225	2771.56152	2744.56298	0.69218	ug/L	10/13/10	19:12	
62043-1	Mg	12572.09179	12551.79882	12592.38476	0.22827	ug/L	10/13/10	19:12	
62043-1	2Mg	12.55627	12.53600	12.57655	0.22835	mg/L	10/13/10	19:12	
62043-1	Mn	1475.51074	1474.25561	1476.76586	0.12029	ug/L	10/13/10	19:12	
62043-1	Mo	3.91507	4.33445	3.49568	15.14912	ug/L	10/13/10	19:12	
62043-1	Na	345.01620	367.04391	322.98849	9.02910	ug/L	10/13/10	19:12	
62043-1	Ni	43.26764	43.60849	42.92678	1.11409	ug/L	10/13/10	19:12	
62043-1	Pb	139.10546	137.80427	140.40666	1.32285	ug/L	10/13/10	19:12	
62043-1	Se	-2.07742	-4.83754	0.68269	187.89620	ug/L	10/13/10	19:12	
62043-1	Sb	-0.33376	0.05939	-0.72693	166.58918	ug/L	10/13/10	19:12	
62043-1	Sn	10.82797	12.39692	9.25901	20.49172	ug/L	10/13/10	19:12	
62043-1	Sr	72.02566	72.04299	72.00833	0.03402	ug/L	10/13/10	19:12	
62043-1	Ti	2042.15649	2040.25048	2044.06250	0.13199	ug/L	10/13/10	19:12	
62043-1	Tl	4.53117	5.52752	3.53481	31.09696	ug/L	10/13/10	19:12	
62043-1	V	121.82139	121.86791	121.77487	0.05400	ug/L	10/13/10	19:12	
62043-1	Zn	298.25799	297.85681	298.65921	0.19023	ug/L	10/13/10	19:12	
62043-1	2203/1	137.87117	139.90020	135.84213	2.08128	ug/L	10/13/10	19:12	
62043-1	2203/2	139.72169	136.75788	142.68550	2.99985	ug/L	10/13/10	19:12	
62043-1	1960/1	-5.07905	-3.75142	-6.40669	36.96665	ug/L	10/13/10	19:12	
62043-1	1960/2	-0.57885	-5.37978	4.22207	1172.92504	ug/L	10/13/10	19:12	
62043-1	Y	1127.27575	1126.17956	1128.37194	0.13752		10/13/10	19:12	
62043-1L	Ag	-2.17410	-2.26870	-2.07949	6.15395	ug/L	10/13/10	19:18	
62043-1L	Al	6955.84179	7020.57080	6891.11279	1.31602	ug/L	10/13/10	19:18	
62043-1L	2Al	6.95586	7.02078	6.89095	1.31980	mg/L	10/13/10	19:18	
62043-1L	As	4.62442	2.22077	7.02807	73.50696	ug/L	10/13/10	19:18	
62043-1L	B	3.98962	5.03150	2.94774	36.93197	ug/L	10/13/10	19:18	
62043-1L	Ba	29.96452	30.29529	29.63375	1.56112	ug/L	10/13/10	19:18	
62043-1L	Be	0.50523	0.52347	0.48698	5.10674	ug/L	10/13/10	19:18	
62043-1L	Ca	2026.40136	2052.64038	2000.16235	1.83120	ug/L	10/13/10	19:18	
62043-1L	Cd	-0.46692	-0.76917	-0.16467	91.54430	ug/L	10/13/10	19:18	
62043-1L	Co	5.83836	6.39226	5.28447	13.41684	ug/L	10/13/10	19:18	
62043-1L	Cr	12.01535	12.20831	11.82239	2.27116	ug/L	10/13/10	19:18	
62043-1L	Cu	11.76312	11.82457	11.70166	0.73884	ug/L	10/13/10	19:18	
62043-1L	Fe	14626.17285	14808.73046	14443.61523	1.76516	ug/L	10/13/10	19:18	
62043-1L	2Fe	14.62432	14.80685	14.44178	1.76515	mg/L	10/13/10	19:18	
62043-1L	K	493.27575	499.22534	487.32620	1.70573	ug/L	10/13/10	19:18	
62043-1L	Mg	2490.14160	2520.82714	2459.45605	1.74270	ug/L	10/13/10	19:18	
62043-1L	2Mg	2.48700	2.51764	2.45635	1.74267	mg/L	10/13/10	19:18	
62043-1L	Mn	295.33367	298.88687	291.78048	1.70145	ug/L	10/13/10	19:18	
62043-1L	Mo	-2.00105	-2.81276	-1.18935	57.36590	ug/L	10/13/10	19:18	
62043-1L	Na	-184.40130	-162.41522	-206.38737	16.86159	ug/L	10/13/10	19:18	
62043-1L	Ni	7.92622	7.60161	8.25082	5.79173	ug/L	10/13/10	19:18	
62043-1L	Pb	30.05349	30.32078	29.78620	1.25777	ug/L	10/13/10	19:18	
62043-1L	Se	-5.90872	-4.40838	-7.40905	35.90950	ug/L	10/13/10	19:18	
62043-1L	Sb	-11.81378	-12.67573	-10.95183	10.31829	ug/L	10/13/10	19:18	
62043-1L	Sn	-6.96527	-8.83565	-5.09490	37.97559	ug/L	10/13/10	19:18	
62043-1L	Sr	14.54807	14.70621	14.38993	1.53727	ug/L	10/13/10	19:18	
62043-1L	Ti	409.71246	415.68777	403.73712	2.06251	ug/L	10/13/10	19:18	
62043-1L	Tl	-1.98646	-1.36339	-2.60954	44.35817	ug/L	10/13/10	19:18	
62043-1L	V	21.79461	21.55832	22.03090	1.53323	ug/L	10/13/10	19:18	
62043-1L	Zn	60.19582	61.10829	59.28335	2.14372	ug/L	10/13/10	19:18	
62043-1L	2203/1	19.03626	19.88896	18.18356	6.33476	ug/L	10/13/10	19:18	
62043-1L	2203/2	35.55385	35.52887	35.57882	0.09934	ug/L	10/13/10	19:18	
62043-1L	1960/1	-17.26355	-17.09751	-17.42959	1.36021	ug/L	10/13/10	19:18	
62043-1L	1960/2	-0.23981	1.92666	-2.40629	1277.58984	ug/L	10/13/10	19:18	
62043-1L	Y	1096.94750	1099.44238	1094.45275	0.32163		10/13/10	19:18	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	476.87225	478.65649	475.08798	0.52913	ug/L	10/13/10	19:23	
CCV	Al	4823.61914	4823.67724	4823.56103	0.00170	ug/L	10/13/10	19:23	
CCV	2Al	4.82353	4.82340	4.82365	0.00371	mg/L	10/13/10	19:23	
CCV	As	494.54992	491.59072	497.50912	0.84621	ug/L	10/13/10	19:23	
CCV	B	4898.26757	4898.22216	4898.31298	0.00131	ug/L	10/13/10	19:23	
CCV	Ba	4830.05810	4837.63720	4822.47900	0.22191	ug/L	10/13/10	19:23	
CCV	Be	497.90350	497.39999	498.40701	0.14301	ug/L	10/13/10	19:23	
CCV	Ca	5122.87207	5118.16845	5127.57568	0.12984	ug/L	10/13/10	19:23	
CCV	Cd	513.02105	511.95001	514.09210	0.29524	ug/L	10/13/10	19:23	
CCV	Co	502.36474	501.95376	502.77569	0.11569	ug/L	10/13/10	19:23	
CCV	Cr	4983.40039	4978.46630	4988.33496	0.14002	ug/L	10/13/10	19:23	
CCV	Cu	4755.50292	4759.21875	4751.78662	0.11051	ug/L	10/13/10	19:23	
CCV	Fe	4974.14111	4982.32763	4965.95458	0.23275	ug/L	10/13/10	19:23	
CCV	2Fe	4.97413	4.98232	4.96595	0.23272	mg/L	10/13/10	19:23	
CCV	K	9278.43945	9317.12402	9239.75390	0.58963	ug/L	10/13/10	19:23	
CCV	Mg	5213.24609	5195.80566	5230.68603	0.47310	ug/L	10/13/10	19:23	
CCV	2Mg	5.21319	5.19575	5.23062	0.47305	mg/L	10/13/10	19:23	
CCV	Mn	5003.29394	5000.14941	5006.43896	0.08888	ug/L	10/13/10	19:23	
CCV	Mo	500.06597	499.04919	501.08279	0.28755	ug/L	10/13/10	19:23	
CCV	Na	7301.75585	7408.21435	7195.29736	2.06190	ug/L	10/13/10	19:23	
CCV	Ni	2540.12011	2539.37744	2540.86303	0.04135	ug/L	10/13/10	19:23	
CCV	Pb	517.17211	515.29626	519.04803	0.51296	ug/L	10/13/10	19:23	
CCV	Se	4988.96142	4967.58007	5010.34277	0.60609	ug/L	10/13/10	19:23	
CCV	Sb	485.47033	486.16497	484.77566	0.20235	ug/L	10/13/10	19:23	
CCV	Sn	5049.20947	5037.17968	5061.23925	0.33693	ug/L	10/13/10	19:23	
CCV	Sr	2405.70410	2411.18579	2400.22265	0.32223	ug/L	10/13/10	19:23	
CCV	Ti	491.05346	490.68344	491.42346	0.10656	ug/L	10/13/10	19:23	
CCV	Tl	4976.53564	4970.51123	4982.56005	0.17119	ug/L	10/13/10	19:23	
CCV	V	4946.57910	4947.19970	4945.95849	0.01774	ug/L	10/13/10	19:23	
CCV	Zn	2618.61132	2611.51123	2625.71118	0.38344	ug/L	10/13/10	19:23	
CCV	2203/1	525.61047	531.60736	519.61364	1.61352	ug/L	10/13/10	19:23	
CCV	2203/2	512.95928	507.15292	518.76568	1.60080	ug/L	10/13/10	19:23	
CCV	1960/1	5084.48339	5072.79785	5096.16894	0.32502	ug/L	10/13/10	19:23	
CCV	1960/2	4941.27197	4915.04980	4967.49414	0.75048	ug/L	10/13/10	19:23	
CCV	Y	1091.43298	1089.26159	1093.60437	0.28135		10/13/10	19:23	
CCB	Ag	-0.85789	-0.22037	-1.49541	105.09351	ug/L	10/13/10	19:28	
CCB	Al	0.22361	-10.52669	10.97392	6798.77978	ug/L	10/13/10	19:28	
CCB	2Al	0.00022	-0.01052	0.01097	6798.78466	mg/L	10/13/10	19:28	
CCB	As	3.55934	0.86976	6.24892	106.86354	ug/L	10/13/10	19:28	
CCB	B	10.99984	10.36029	11.63938	8.22243	ug/L	10/13/10	19:28	
CCB	Ba	0.98838	0.18399	1.79278	115.09550	ug/L	10/13/10	19:28	
CCB	Be	0.08834	0.01809	0.15858	112.44664	ug/L	10/13/10	19:28	
CCB	Ca	6.16326	4.94173	7.38479	28.02896	ug/L	10/13/10	19:28	
CCB	Cd	-0.15124	-0.20853	-0.09395	53.57089	ug/L	10/13/10	19:28	
CCB	Co	1.64485	0.86549	2.42422	67.00794	ug/L	10/13/10	19:28	
CCB	Cr	3.07361	1.20002	4.94720	86.20655	ug/L	10/13/10	19:28	
CCB	Cu	2.02133	0.07402	3.96865	136.24214	ug/L	10/13/10	19:28	
CCB	Fe	-20.21115	-16.74470	-23.67760	24.25541	ug/L	10/13/10	19:28	
CCB	2Fe	-0.02020	-0.01674	-0.02367	24.25414	mg/L	10/13/10	19:28	
CCB	K	-44.46011	-40.81473	-48.10549	11.59545	ug/L	10/13/10	19:28	
CCB	Mg	16.59329	9.27818	23.90840	62.34522	ug/L	10/13/10	19:28	
CCB	2Mg	0.01659	0.00927	0.02390	62.33833	mg/L	10/13/10	19:28	
CCB	Mn	1.63295	0.58641	2.67949	90.63538	ug/L	10/13/10	19:28	
CCB	Mo	-1.53803	0.20501	-3.28109	160.27214	ug/L	10/13/10	19:28	
CCB	Na	-174.65795	-168.84210	-180.47383	4.70913	ug/L	10/13/10	19:28	
CCB	Ni	0.01611	0.95478	-0.92255	8237.41308	ug/L	10/13/10	19:28	
CCB	Pb	2.80948	2.33661	3.28236	23.80324	ug/L	10/13/10	19:28	
CCB	Se	-4.13609	-2.05161	-6.22057	71.27249	ug/L	10/13/10	19:28	
CCB	Sb	-5.77110	-3.09384	-8.44835	65.60639	ug/L	10/13/10	19:28	
CCB	Sn	-5.75244	-4.39755	-7.10733	33.30941	ug/L	10/13/10	19:28	
CCB	Sr	0.75471	0.24703	1.26240	95.13202	ug/L	10/13/10	19:28	
CCB	Ti	0.89828	0.60294	1.19362	46.49691	ug/L	10/13/10	19:28	
CCB	Tl	6.51153	10.46107	2.56200	85.77832	ug/L	10/13/10	19:28	
CCB	V	-0.29369	-0.56059	-0.02680	128.51576	ug/L	10/13/10	19:28	
CCB	Zn	2.21178	1.08723	3.33633	71.90352	ug/L	10/13/10	19:28	
CCB	2203/1	-10.95430	-5.93639	-15.97221	64.78175	ug/L	10/13/10	19:28	
CCB	2203/2	9.68107	6.46691	12.89523	46.95250	ug/L	10/13/10	19:28	
CCB	1960/1	-12.19402	-7.09543	-17.29261	59.13139	ug/L	10/13/10	19:28	
CCB	1960/2	-0.11317	0.46651	-0.69285	724.37908	ug/L	10/13/10	19:28	
CCB	Y	1091.60522	1093.67993	1089.53039	0.26879		10/13/10	19:28	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62043-1A	Ag	42.19023	42.69467	41.68578	1.69089	ug/L	10/13/10	19:33	
62043-1A	Al	35855.42968	35751.36718	35959.48828	0.41043	ug/L	10/13/10	19:33	
62043-1A	2Al	35.85400	35.74836	35.95963	0.41665	mg/L	10/13/10	19:33	
62043-1A	As	1926.25976	1921.01477	1931.50463	0.38507	ug/L	10/13/10	19:33	
62043-1A	B	866.36145	865.66406	867.05889	0.11384	ug/L	10/13/10	19:33	
62043-1A	Ba	2083.91625	2079.86425	2087.96826	0.27498	ug/L	10/13/10	19:33	
62043-1A	Be	51.28586	51.30969	51.26203	0.06570	ug/L	10/13/10	19:33	
62043-1A	Ca	14228.96582	14219.29199	14238.63964	0.09614	ug/L	10/13/10	19:33	
62043-1A	Cd	50.43862	50.24279	50.63445	0.54907	ug/L	10/13/10	19:33	
62043-1A	Co	518.74987	518.51855	518.98114	0.06305	ug/L	10/13/10	19:33	
62043-1A	Cr	251.26525	251.39385	251.13667	0.07237	ug/L	10/13/10	19:33	
62043-1A	Cu	293.18707	292.43872	293.93539	0.36096	ug/L	10/13/10	19:33	
62043-1A	Fe	71891.88281	71832.25781	71951.50781	0.11729	ug/L	10/13/10	19:33	
62043-1A	2Fe	71.87842	71.81537	71.94147	0.12405	mg/L	10/13/10	19:33	
62043-1A	K	6860.55566	6834.36425	6886.74755	0.53990	ug/L	10/13/10	19:33	
62043-1A	Mg	16505.34375	16497.11914	16513.57031	0.07047	ug/L	10/13/10	19:33	
62043-1A	2Mg	16.48892	16.48071	16.49713	0.07043	mg/L	10/13/10	19:33	
62043-1A	Mn	1918.22143	1916.56091	1919.88195	0.12242	ug/L	10/13/10	19:33	
62043-1A	Mo	435.58117	433.06777	438.09460	0.81603	ug/L	10/13/10	19:33	
62043-1A	Na	4413.31738	4407.50976	4419.12548	0.18610	ug/L	10/13/10	19:33	
62043-1A	Ni	535.28216	535.17059	535.39373	0.02947	ug/L	10/13/10	19:33	
62043-1A	Pb	629.10205	630.05249	628.15161	0.21365	ug/L	10/13/10	19:33	
62043-1A	Se	1953.20178	1956.27795	1950.12561	0.22272	ug/L	10/13/10	19:33	
62043-1A	Sb	449.31838	443.90261	454.73416	1.70459	ug/L	10/13/10	19:33	
62043-1A	Sn	886.86022	884.68988	889.03057	0.34609	ug/L	10/13/10	19:33	
62043-1A	Sr	504.08020	502.79205	505.36834	0.36139	ug/L	10/13/10	19:33	
62043-1A	Ti	2837.22705	2831.69042	2842.76391	0.27597	ug/L	10/13/10	19:33	
62043-1A	Tl	1981.28466	1978.58972	1983.97973	0.19236	ug/L	10/13/10	19:33	
62043-1A	V	597.80151	598.11303	597.49005	0.07368	ug/L	10/13/10	19:33	
62043-1A	Zn	789.36059	788.99877	789.72247	0.06482	ug/L	10/13/10	19:33	
62043-1A	2203/1	630.46740	632.73944	628.19537	0.50964	ug/L	10/13/10	19:33	
62043-1A	2203/2	628.42041	628.71099	628.12976	0.06540	ug/L	10/13/10	19:33	
62043-1A	1960/1	1972.49560	1966.29516	1978.69616	0.44455	ug/L	10/13/10	19:33	
62043-1A	1960/2	1943.56933	1951.27685	1935.86169	0.56083	ug/L	10/13/10	19:33	
62043-1A	Y	1088.12329	1089.05151	1087.19519	0.12063		10/13/10	19:33	
62043-2	Ag	-1.03007	-1.59170	-0.46843	77.10879	ug/L	10/13/10	19:38	
62043-2	Al	36797.71093	36818.40625	36777.01562	0.07953	ug/L	10/13/10	19:38	
62043-2	2Al	36.79844	36.81950	36.77738	0.08094	mg/L	10/13/10	19:38	
62043-2	As	6.41616	5.60918	7.22314	17.78692	ug/L	10/13/10	19:38	
62043-2	B	8.05128	9.40404	6.69852	23.76136	ug/L	10/13/10	19:38	
62043-2	Ba	130.95532	130.94050	130.97012	0.01599	ug/L	10/13/10	19:38	
62043-2	Be	2.60889	2.57512	2.64266	1.83069	ug/L	10/13/10	19:38	
62043-2	Ca	10772.79296	10777.45898	10768.12597	0.06126	ug/L	10/13/10	19:38	
62043-2	Cd	-0.25878	-0.62003	0.10246	197.41418	ug/L	10/13/10	19:38	
62043-2	Co	20.04476	20.49468	19.59483	3.17437	ug/L	10/13/10	19:38	
62043-2	Cr	40.98425	41.44030	40.52820	1.57364	ug/L	10/13/10	19:38	
62043-2	Cu	40.62136	40.71163	40.53108	0.31430	ug/L	10/13/10	19:38	
62043-2	Fe	60867.48046	60864.80078	60870.16015	0.00622	ug/L	10/13/10	19:38	
62043-2	2Fe	60.85921	60.85709	60.86133	0.00492	mg/L	10/13/10	19:38	
62043-2	K	2485.62133	2466.65771	2504.58496	1.07895	ug/L	10/13/10	19:38	
62043-2	Mg	12550.62011	12545.77636	12555.46386	0.05457	ug/L	10/13/10	19:38	
62043-2	2Mg	12.53687	12.53203	12.54172	0.05461	mg/L	10/13/10	19:38	
62043-2	Mn	1100.64489	1101.01757	1100.27221	0.04788	ug/L	10/13/10	19:38	
62043-2	Mo	1.12171	1.44806	0.79537	41.14416	ug/L	10/13/10	19:38	
62043-2	Na	-63.02677	-298.52267	172.46911	528.41265	ug/L	10/13/10	19:38	
62043-2	Ni	30.95036	30.82512	31.07559	0.57225	ug/L	10/13/10	19:38	
62043-2	Pb	44.63882	46.03379	43.24385	4.41943	ug/L	10/13/10	19:38	
62043-2	Se	-2.33255	-6.66744	2.00234	262.82244	ug/L	10/13/10	19:38	
62043-2	Sb	-7.72292	-10.09946	-5.34638	43.51897	ug/L	10/13/10	19:38	
62043-2	Sn	10.71309	5.13600	16.29018	73.62203	ug/L	10/13/10	19:38	
62043-2	Sr	88.84202	88.99327	88.69077	0.24076	ug/L	10/13/10	19:38	
62043-2	Ti	2446.41796	2448.23144	2444.60449	0.10483	ug/L	10/13/10	19:38	
62043-2	Tl	4.08891	5.19004	2.98777	38.08441	ug/L	10/13/10	19:38	
62043-2	V	79.66174	78.89442	80.42906	1.36220	ug/L	10/13/10	19:38	
62043-2	Zn	182.56613	182.83116	182.30111	0.20529	ug/L	10/13/10	19:38	
62043-2	2203/1	41.19843	37.92298	44.47387	11.24357	ug/L	10/13/10	19:38	
62043-2	2203/2	46.35644	50.08311	42.62977	11.36910	ug/L	10/13/10	19:38	
62043-2	1960/1	-3.78204	-15.68210	8.11800	444.97634	ug/L	10/13/10	19:38	
62043-2	1960/2	-1.60888	-2.16687	-1.05090	49.04679	ug/L	10/13/10	19:38	
62043-2	Y	1097.75390	1092.46191	1103.04602	0.68176		10/13/10	19:38	

41

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62043-3	Ag	-0.83068	0.16070	-1.82207	168.78150	ug/L	10/13/10	19:44	
62043-3	Al	40220.52734	40242.11328	40198.94140	0.07589	ug/L	10/13/10	19:44	
62043-3	2Al	40.22018	40.24295	40.19742	0.08004	mg/L	10/13/10	19:44	
62043-3	As	5.24610	3.99713	6.49508	33.66916	ug/L	10/13/10	19:44	
62043-3	B	8.16032	8.19910	8.12154	0.67202	ug/L	10/13/10	19:44	
62043-3	Ba	108.66868	109.06664	108.27072	0.51790	ug/L	10/13/10	19:44	
62043-3	Be	2.68580	2.69725	2.67435	0.60311	ug/L	10/13/10	19:44	
62043-3	Ca	13393.18554	13397.10937	13389.26171	0.04143	ug/L	10/13/10	19:44	
62043-3	Cd	1.00799	1.03836	0.97762	4.26139	ug/L	10/13/10	19:44	
62043-3	Co	25.28427	25.00342	25.56511	1.57082	ug/L	10/13/10	19:44	
62043-3	Cr	41.75390	41.37498	42.13282	1.28342	ug/L	10/13/10	19:44	
62043-3	Cu	49.51194	49.39114	49.63274	0.34504	ug/L	10/13/10	19:44	
62043-3	Fe	71911.72656	71986.28906	71837.16406	0.14663	ug/L	10/13/10	19:44	
62043-3	2Fe	71.90038	71.97718	71.82358	0.15105	mg/L	10/13/10	19:44	
62043-3	K	2408.79248	2434.11791	2383.46704	1.48686	ug/L	10/13/10	19:44	
62043-3	Mg	18223.94140	18227.25781	18220.62500	0.02573	ug/L	10/13/10	19:44	
62043-3	2Mg	18.20668	18.20998	18.20338	0.02564	mg/L	10/13/10	19:44	
62043-3	Mn	1156.74743	1157.56054	1155.93432	0.09940	ug/L	10/13/10	19:44	
62043-3	Mo	-0.02329	-1.96879	1.92220	11813.00585	ug/L	10/13/10	19:44	
62043-3	Na	496.40707	736.63226	256.18188	68.43772	ug/L	10/13/10	19:44	
62043-3	Ni	37.35574	37.75612	36.95536	1.51575	ug/L	10/13/10	19:44	
62043-3	Pb	55.92672	55.18950	56.66394	1.86419	ug/L	10/13/10	19:44	
62043-3	Se	0.15964	-0.28595	0.60524	394.74346	ug/L	10/13/10	19:44	
62043-3	Sb	-4.00242	-3.30655	-4.69829	24.58793	ug/L	10/13/10	19:44	
62043-3	Sn	15.23844	15.00012	15.47677	2.21178	ug/L	10/13/10	19:44	
62043-3	Sr	88.80101	89.06240	88.53961	0.41628	ug/L	10/13/10	19:44	
62043-3	Ti	2359.91235	2360.72021	2359.10449	0.04841	ug/L	10/13/10	19:44	
62043-3	Tl	0.69054	3.37346	-1.99237	549.45538	ug/L	10/13/10	19:44	
62043-3	V	97.42548	98.45958	96.39138	1.50108	ug/L	10/13/10	19:44	
62043-3	Zn	269.18951	269.28707	269.09197	0.05124	ug/L	10/13/10	19:44	
62043-3	2203/1	54.43328	58.28506	50.58149	10.00719	ug/L	10/13/10	19:44	
62043-3	2203/2	56.67232	53.64405	59.70060	7.55682	ug/L	10/13/10	19:44	
62043-3	1960/1	-5.25069	-2.13726	-8.36412	83.85665	ug/L	10/13/10	19:44	
62043-3	1960/2	2.86075	0.63830	5.08320	109.86676	ug/L	10/13/10	19:44	
62043-3	Y	1106.99816	1104.96118	1109.03515	0.26022		10/13/10	19:44	
62043-4	Ag	-0.44391	-0.66161	-0.22621	69.35363	ug/L	10/13/10	19:49	
62043-4	Al	42839.44921	42814.17578	42864.72265	0.08343	ug/L	10/13/10	19:49	
62043-4	2Al	42.83926	42.81306	42.86545	0.08647	mg/L	10/13/10	19:49	
62043-4	As	9.09640	10.49872	7.69408	21.80179	ug/L	10/13/10	19:49	
62043-4	B	6.97216	6.31540	7.62891	13.32139	ug/L	10/13/10	19:49	
62043-4	Ba	126.16009	125.96188	126.35829	0.22218	ug/L	10/13/10	19:49	
62043-4	Be	2.57281	2.55672	2.58891	0.88490	ug/L	10/13/10	19:49	
62043-4	Ca	8413.43750	8401.64843	8425.22656	0.19816	ug/L	10/13/10	19:49	
62043-4	Cd	0.96612	1.03859	0.89365	10.60765	ug/L	10/13/10	19:49	
62043-4	Co	24.59732	24.67193	24.52270	0.42898	ug/L	10/13/10	19:49	
62043-4	Cr	58.38441	58.38635	58.38248	0.00468	ug/L	10/13/10	19:49	
62043-4	Cu	45.48305	45.07291	45.89319	1.27525	ug/L	10/13/10	19:49	
62043-4	Fe	74259.75000	74145.01562	74374.49218	0.21850	ug/L	10/13/10	19:49	
62043-4	2Fe	74.24865	74.13223	74.36507	0.22174	mg/L	10/13/10	19:49	
62043-4	K	2408.20751	2396.74731	2419.66748	0.67299	ug/L	10/13/10	19:49	
62043-4	Mg	16786.44921	16763.50976	16809.39062	0.19326	ug/L	10/13/10	19:49	
62043-4	2Mg	16.76927	16.74636	16.79219	0.19324	mg/L	10/13/10	19:49	
62043-4	Mn	1360.49194	1358.52795	1362.45605	0.20416	ug/L	10/13/10	19:49	
62043-4	Mo	-0.69622	-0.26797	-1.12446	86.98804	ug/L	10/13/10	19:49	
62043-4	Na	151.09440	37.72424	264.46456	106.11221	ug/L	10/13/10	19:49	
62043-4	Ni	40.93079	40.62245	41.23913	1.06534	ug/L	10/13/10	19:49	
62043-4	Pb	2834.51513	2833.66015	2835.37036	0.04266	ug/L	10/13/10	19:49	
62043-4	Se	3.18769	1.98404	4.39133	53.39930	ug/L	10/13/10	19:49	
62043-4	Sb	-5.41674	-9.04319	-1.79030	94.67983	ug/L	10/13/10	19:49	
62043-4	Sn	8.13097	6.79719	9.46474	23.19824	ug/L	10/13/10	19:49	
62043-4	Sr	76.62367	76.66473	76.58261	0.07577	ug/L	10/13/10	19:49	
62043-4	Ti	2227.83349	2224.35107	2231.31616	0.22106	ug/L	10/13/10	19:49	
62043-4	Tl	2.04049	-0.40881	4.48981	169.75523	ug/L	10/13/10	19:49	
62043-4	V	101.09130	100.82520	101.35740	0.37226	ug/L	10/13/10	19:49	
62043-4	Zn	236.42858	235.91584	236.94131	0.30669	ug/L	10/13/10	19:49	
62043-4	2203/1	2871.59130	2874.64355	2868.53881	0.15032	ug/L	10/13/10	19:49	
62043-4	2203/2	2816.00512	2813.19921	2818.81103	0.14091	ug/L	10/13/10	19:49	
62043-4	1960/1	-2.11528	-2.20420	-2.02635	5.94533	ug/L	10/13/10	19:49	
62043-4	1960/2	5.83520	4.07503	7.59536	42.65909	ug/L	10/13/10	19:49	
62043-4	Y	1100.76538	1097.71191	1103.81872	0.39228		10/13/10	19:49	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61920-1	Ag	74.11589	74.52045	73.71134	0.77193	ug/L	10/13/10	19:54	
61920-1	Al	41594.65625	41494.72656	41694.58203	0.33975	ug/L	10/13/10	19:54	
61920-1	2Al	41.59542	41.49577	41.69506	0.33878	mg/L	10/13/10	19:54	
61920-1	As	12.46868	12.81653	12.12082	3.94543	ug/L	10/13/10	19:54	
61920-1	B	40.40068	40.16439	40.63698	0.82715	ug/L	10/13/10	19:54	
61920-1	Ba	2323.91723	2322.33251	2325.50195	0.09643	ug/L	10/13/10	19:54	
61920-1	Be	1.79943	1.80044	1.79843	0.07908	ug/L	10/13/10	19:54	
61920-1	Ca	32397.24414	32398.02343	32396.46484	0.00340	ug/L	10/13/10	19:54	
61920-1	Cd	5.12872	5.22126	5.03619	2.55161	ug/L	10/13/10	19:54	
61920-1	Co	18.78806	19.07557	18.50055	2.16414	ug/L	10/13/10	19:54	
61920-1	Cr	146.34800	146.44335	146.25265	0.09214	ug/L	10/13/10	19:54	
61920-1	Cu	1844.74719	1842.21289	1847.28149	0.19428	ug/L	10/13/10	19:54	
61920-1	Fe	75323.67968	75305.64062	75341.71875	0.03386	ug/L	10/13/10	19:54	
61920-1	2Fe	75.31355	75.29610	75.33099	0.03275	mg/L	10/13/10	19:54	
61920-1	K	1479.80346	1475.94274	1483.66418	0.36895	ug/L	10/13/10	19:54	
61920-1	Mg	3065.72680	3064.66918	3066.78442	0.04878	ug/L	10/13/10	19:54	
61920-1	2Mg	3.05340	3.05235	3.05446	0.04885	mg/L	10/13/10	19:54	
61920-1	Mn	3908.45947	3907.59008	3909.32910	0.03146	ug/L	10/13/10	19:54	
61920-1	Mo	32.40327	33.43028	31.37627	4.48228	ug/L	10/13/10	19:54	
61920-1	Na	1030.69506	1120.58288	940.80718	12.33348	ug/L	10/13/10	19:54	
61920-1	Ni	45.22347	45.84288	44.60405	1.93700	ug/L	10/13/10	19:54	
61920-1	Pb	258.94082	259.46774	258.41390	0.28777	ug/L	10/13/10	19:54	
61920-1	Se	20.50428	17.34179	23.66676	21.81217	ug/L	10/13/10	19:54	
61920-1	Sb	21.69756	19.68451	23.71061	13.12073	ug/L	10/13/10	19:54	
61920-1	Sn	155.14208	156.63867	153.64552	1.36421	ug/L	10/13/10	19:54	
61920-1	Sr	327.62347	326.86199	328.38491	0.32869	ug/L	10/13/10	19:54	
61920-1	Ti	399.36950	400.33929	398.39974	0.34340	ug/L	10/13/10	19:54	
61920-1	Tl	1.44553	3.69210	-0.80104	219.78996	ug/L	10/13/10	19:54	
61920-1	V	59.22632	58.47965	59.97299	1.78291	ug/L	10/13/10	19:54	
61920-1	Zn	3496.56982	3497.02343	3496.11645	0.01834	ug/L	10/13/10	19:54	
61920-1	2203/1	255.82220	255.27825	256.36614	0.30069	ug/L	10/13/10	19:54	
61920-1	2203/2	260.49780	261.55935	259.43624	0.57630	ug/L	10/13/10	19:54	
61920-1	1960/1	16.61897	13.32044	19.91749	28.06925	ug/L	10/13/10	19:54	
61920-1	1960/2	22.44402	19.34945	25.53859	19.49907	ug/L	10/13/10	19:54	
61920-1	Y	1053.90600	1053.21716	1054.59472	0.09242		10/13/10	19:54	
61920-2	Ag	13.56625	13.20846	13.92403	3.72969	ug/L	10/13/10	19:59	
61920-2	Al	18861.72070	18834.27343	18889.16796	0.20579	ug/L	10/13/10	19:59	
61920-2	2Al	18.86190	18.83425	18.88954	0.20725	mg/L	10/13/10	19:59	
61920-2	As	5.06564	1.75602	8.37527	92.39704	ug/L	10/13/10	19:59	
61920-2	B	56.23833	54.98472	57.49195	3.15243	ug/L	10/13/10	19:59	
61920-2	Ba	951.80883	950.92883	952.68884	0.13075	ug/L	10/13/10	19:59	
61920-2	Be	0.64349	0.64351	0.64348	0.00379	ug/L	10/13/10	19:59	
61920-2	Ca	25771.89843	25749.60156	25794.19531	0.12235	ug/L	10/13/10	19:59	
61920-2	Cd	5.36573	5.51470	5.21676	3.92631	ug/L	10/13/10	19:59	
61920-2	Co	7.28937	6.37117	8.20757	17.81400	ug/L	10/13/10	19:59	
61920-2	Cr	156.97886	156.46971	157.48802	0.45869	ug/L	10/13/10	19:59	
61920-2	Cu	379.07467	378.28881	379.86053	0.29318	ug/L	10/13/10	19:59	
61920-2	Fe	29968.48046	29929.96484	30006.99414	0.18175	ug/L	10/13/10	19:59	
61920-2	2Fe	29.96468	29.92617	30.00319	0.18175	mg/L	10/13/10	19:59	
61920-2	K	2865.63623	2869.52563	2861.74682	0.19194	ug/L	10/13/10	19:59	
61920-2	Mg	3955.44213	3945.04516	3965.83911	0.37172	ug/L	10/13/10	19:59	
61920-2	2Mg	3.95368	3.94329	3.96408	0.37180	mg/L	10/13/10	19:59	
61920-2	Mn	10105.60546	10090.29101	10120.92089	0.21432	ug/L	10/13/10	19:59	
61920-2	Mo	41.21187	41.09470	41.32905	0.40209	ug/L	10/13/10	19:59	
61920-2	Na	2373.90039	2565.79833	2182.00219	11.43202	ug/L	10/13/10	19:59	
61920-2	Ni	29.96505	29.90021	30.02989	0.30603	ug/L	10/13/10	19:59	
61920-2	Pb	36.35076	36.45826	36.24326	0.41822	ug/L	10/13/10	19:59	
61920-2	Se	13.13534	11.95810	14.31258	12.67469	ug/L	10/13/10	19:59	
61920-2	Sb	0.33785	1.47663	-0.80092	476.67474	ug/L	10/13/10	19:59	
61920-2	Sn	35.81130	36.71767	34.90493	3.57933	ug/L	10/13/10	19:59	
61920-2	Sr	314.53442	314.55059	314.51824	0.00727	ug/L	10/13/10	19:59	
61920-2	Ti	219.05395	218.72427	219.38365	0.21284	ug/L	10/13/10	19:59	
61920-2	Tl	0.80514	-2.24546	3.85574	535.83239	ug/L	10/13/10	19:59	
61920-2	V	18.62771	18.73871	18.51672	0.84266	ug/L	10/13/10	19:59	
61920-2	Zn	858.31689	856.36010	860.27374	0.32241	ug/L	10/13/10	19:59	
61920-2	2203/1	33.76323	34.90112	32.62535	4.76617	ug/L	10/13/10	19:59	
61920-2	2203/2	37.64259	37.23567	38.04951	1.52877	ug/L	10/13/10	19:59	
61920-2	1960/1	12.29090	14.81180	9.77000	29.00592	ug/L	10/13/10	19:59	
61920-2	1960/2	13.55693	10.53339	16.58046	31.54049	ug/L	10/13/10	19:59	
61920-2	Y	1042.96069	1042.85156	1043.06994	0.01480		10/13/10	19:59	

43

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61920-3	Ag	27.26018	26.75418	27.76618	2.62504	ug/L	10/13/10	20:04	
61920-3	Al	23353.91406	23311.14648	23396.68359	0.25898	ug/L	10/13/10	20:04	
61920-3	2Al	23.35385	23.31051	23.39719	0.26244	mg/L	10/13/10	20:04	
61920-3	As	9.23315	7.54636	10.91994	25.83609	ug/L	10/13/10	20:04	
61920-3	B	54.53537	54.26507	54.80567	0.70094	ug/L	10/13/10	20:04	
61920-3	Ba	1267.51342	1264.16381	1270.86315	0.37373	ug/L	10/13/10	20:04	
61920-3	Be	0.89428	0.91651	0.87206	3.51465	ug/L	10/13/10	20:04	
61920-3	Ca	27973.54687	27936.55078	28010.54101	0.18703	ug/L	10/13/10	20:04	
61920-3	Cd	5.70961	5.70019	5.71904	0.23352	ug/L	10/13/10	20:04	
61920-3	Co	9.74221	9.39414	10.09027	5.05265	ug/L	10/13/10	20:04	
61920-3	Cr	154.60876	154.10562	155.11192	0.46023	ug/L	10/13/10	20:04	
61920-3	Cu	706.61853	705.33038	707.90661	0.25780	ug/L	10/13/10	20:04	
61920-3	Fe	40267.00781	40179.41015	40354.60937	0.30765	ug/L	10/13/10	20:04	
61920-3	2Fe	40.26073	40.17197	40.34949	0.31177	mg/L	10/13/10	20:04	
61920-3	K	2540.43896	2540.62109	2540.25708	0.01013	ug/L	10/13/10	20:04	
61920-3	Mg	3775.73339	3762.96093	3788.50585	0.47839	ug/L	10/13/10	20:04	
61920-3	2Mg	3.77147	3.75871	3.78423	0.47854	mg/L	10/13/10	20:04	
61920-3	Mn	8480.99609	8461.35742	8500.63378	0.32746	ug/L	10/13/10	20:04	
61920-3	Mo	38.55899	38.52580	38.59219	0.12175	ug/L	10/13/10	20:04	
61920-3	Na	1943.02270	2102.98901	1783.05627	11.64302	ug/L	10/13/10	20:04	
61920-3	Ni	34.38864	34.75531	34.02198	1.50787	ug/L	10/13/10	20:04	
61920-3	Pb	88.17516	87.24932	89.10099	1.48491	ug/L	10/13/10	20:04	
61920-3	Se	12.09267	14.56435	9.62099	28.90579	ug/L	10/13/10	20:04	
61920-3	Sb	1.51750	3.91901	-0.88400	223.80432	ug/L	10/13/10	20:04	
61920-3	Sn	63.40800	65.66947	61.14652	5.04385	ug/L	10/13/10	20:04	
61920-3	Sr	317.01293	315.70046	318.32543	0.58550	ug/L	10/13/10	20:04	
61920-3	Ti	236.84706	236.21191	237.48220	0.37924	ug/L	10/13/10	20:04	
61920-3	Tl	6.47813	8.60368	4.35259	46.40190	ug/L	10/13/10	20:04	
61920-3	V	26.86614	27.03333	26.69897	0.88002	ug/L	10/13/10	20:04	
61920-3	Zn	1445.86962	1442.78137	1448.95788	0.30206	ug/L	10/13/10	20:04	
61920-3	2203/1	86.78432	87.97536	85.59328	1.94088	ug/L	10/13/10	20:04	
61920-3	2203/2	88.86953	86.88684	90.85222	3.15512	ug/L	10/13/10	20:04	
61920-3	1960/1	14.92884	13.32676	16.53092	15.17657	ug/L	10/13/10	20:04	
61920-3	1960/2	10.67671	15.18221	6.17120	59.67895	ug/L	10/13/10	20:04	
61920-3	Y	1056.71154	1058.59313	1054.82995	0.25181		10/13/10	20:04	
61920-4	Ag	-0.21893	-0.32466	-0.11320	68.29676	ug/L	10/13/10	20:10	
61920-4	Al	204832.59375	204761.21875	204903.96875	0.04927	ug/L	10/13/10	20:10	
61920-4	2Al	204.83160	204.75633	204.90689	0.05197	mg/L	10/13/10	20:10	
61920-4	As	16.88355	19.15151	14.61560	18.99703	ug/L	10/13/10	20:10	
61920-4	B	22.72095	21.83840	23.60349	5.49322	ug/L	10/13/10	20:10	
61920-4	Ba	269.52734	269.79113	269.26354	0.13841	ug/L	10/13/10	20:10	
61920-4	Be	1.48942	1.50657	1.47226	1.62877	ug/L	10/13/10	20:10	
61920-4	Ca	771411.62500	771507.18750	771316.12500	0.01751	ug/L	10/13/10	20:10	
61920-4	Cd	-0.19571	-0.23776	-0.15366	30.38357	ug/L	10/13/10	20:10	
61920-4	Co	8.59175	8.55591	8.62759	0.58992	ug/L	10/13/10	20:10	
61920-4	Cr	182.04437	182.36148	181.72726	0.24634	ug/L	10/13/10	20:10	
61920-4	Cu	83.08663	82.29296	83.88029	1.35089	ug/L	10/13/10	20:10	
61920-4	Fe	37308.24218	37346.36328	37270.12500	0.14449	ug/L	10/13/10	20:10	
61920-4	2Fe	37.30290	37.34040	37.26541	0.14215	mg/L	10/13/10	20:10	
61920-4	K	1477.52246	1487.59594	1467.44897	0.96418	ug/L	10/13/10	20:10	
61920-4	Mg	15325.06054	15310.47753	15339.64257	0.13456	ug/L	10/13/10	20:10	
61920-4	2Mg	15.31527	15.30069	15.32985	0.13466	mg/L	10/13/10	20:10	
61920-4	Mn	2404.44580	2405.81323	2403.07836	0.08042	ug/L	10/13/10	20:10	
61920-4	Mo	0.90660	0.61554	1.19767	45.40300	ug/L	10/13/10	20:10	
61920-4	Na	139.26475	105.89601	172.63349	33.88547	ug/L	10/13/10	20:10	
61920-4	Ni	19.98020	19.99969	19.96071	0.13795	ug/L	10/13/10	20:10	
61920-4	Pb	15.12991	15.04710	15.21272	0.77402	ug/L	10/13/10	20:10	
61920-4	Se	4.05030	10.21321	-2.11261	215.18597	ug/L	10/13/10	20:10	
61920-4	Sb	-3.09269	-0.65236	-5.53302	111.59047	ug/L	10/13/10	20:10	
61920-4	Sn	10.47311	12.93128	8.01493	33.19342	ug/L	10/13/10	20:10	
61920-4	Sr	286.17315	287.01556	285.33074	0.41630	ug/L	10/13/10	20:10	
61920-4	Ti	655.07495	654.46221	655.68768	0.13228	ug/L	10/13/10	20:10	
61920-4	Tl	0.88585	1.48717	0.28453	95.99772	ug/L	10/13/10	20:10	
61920-4	V	143.47946	144.27371	142.68522	0.78285	ug/L	10/13/10	20:10	
61920-4	Zn	136.53125	135.64637	137.41610	0.91655	ug/L	10/13/10	20:10	
61920-4	2203/1	22.51576	26.78637	18.24516	26.82365	ug/L	10/13/10	20:10	
61920-4	2203/2	11.44252	9.18627	13.69878	27.88567	ug/L	10/13/10	20:10	
61920-4	1960/1	2.83397	5.90985	-0.24190	153.49308	ug/L	10/13/10	20:10	
61920-4	1960/2	4.65755	12.36167	-3.04656	233.92689	ug/L	10/13/10	20:10	
61920-4	Y	1007.12219	1006.21075	1008.03356	0.12798		10/13/10	20:10	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	475.56719	476.74832	474.38610	0.35123	ug/L	10/13/10	20:15	
CCV	Al	4893.40332	4888.33593	4898.47070	0.14644	ug/L	10/13/10	20:15	
CCV	2Al	4.89321	4.88824	4.89818	0.14369	mg/L	10/13/10	20:15	
CCV	As	487.23846	482.11099	492.36590	1.48824	ug/L	10/13/10	20:15	
CCV	B	4849.90625	4844.00439	4855.80761	0.17208	ug/L	10/13/10	20:15	
CCV	Ba	4836.41601	4842.12988	4830.70166	0.16708	ug/L	10/13/10	20:15	
CCV	Be	486.31146	486.04907	486.57388	0.07630	ug/L	10/13/10	20:15	
CCV	Ca	5174.68359	5165.86621	5183.50146	0.24098	ug/L	10/13/10	20:15	
CCV	Cd	497.12225	494.56665	499.67785	0.72701	ug/L	10/13/10	20:15	
CCV	Co	493.66833	492.88656	494.45010	0.22395	ug/L	10/13/10	20:15	
CCV	Cr	4891.68408	4890.18798	4893.18017	0.04325	ug/L	10/13/10	20:15	
CCV	Cu	4774.97900	4777.75683	4772.20117	0.08227	ug/L	10/13/10	20:15	
CCV	Fe	4863.27343	4871.46142	4855.08593	0.23809	ug/L	10/13/10	20:15	
CCV	2Fe	4.86328	4.87146	4.85509	0.23805	mg/L	10/13/10	20:15	
CCV	K	9419.11523	9453.03906	9385.19238	0.50933	ug/L	10/13/10	20:15	
CCV	Mg	5100.53027	5094.64648	5106.41455	0.16314	ug/L	10/13/10	20:15	
CCV	2Mg	5.10050	5.09461	5.10638	0.16315	mg/L	10/13/10	20:15	
CCV	Mn	4947.77978	4946.66552	4948.89404	0.03184	ug/L	10/13/10	20:15	
CCV	Mo	491.67721	493.48937	489.86505	0.52123	ug/L	10/13/10	20:15	
CCV	Na	7162.01123	7130.61132	7193.41113	0.62002	ug/L	10/13/10	20:15	
CCV	Ni	2493.13208	2489.73168	2496.53247	0.19288	ug/L	10/13/10	20:15	
CCV	Pb	509.14141	505.44284	512.83996	1.02732	ug/L	10/13/10	20:15	
CCV	Se	4913.95214	4906.54296	4921.36181	0.21323	ug/L	10/13/10	20:15	
CCV	Sb	475.11672	476.94946	473.28399	0.54552	ug/L	10/13/10	20:15	
CCV	Sn	4928.66406	4924.23193	4933.09667	0.12718	ug/L	10/13/10	20:15	
CCV	Sr	2380.67187	2377.63110	2383.71264	0.18063	ug/L	10/13/10	20:15	
CCV	Ti	486.83544	486.55975	487.11114	0.08008	ug/L	10/13/10	20:15	
CCV	Tl	4869.05761	4860.38574	4877.72949	0.25187	ug/L	10/13/10	20:15	
CCV	V	4913.32519	4912.26708	4914.38378	0.03046	ug/L	10/13/10	20:15	
CCV	Zn	2543.20458	2538.57617	2547.83325	0.25738	ug/L	10/13/10	20:15	
CCV	2203/1	514.33618	518.71459	509.95773	1.20388	ug/L	10/13/10	20:15	
CCV	2203/2	506.54788	498.81689	514.27886	2.15838	ug/L	10/13/10	20:15	
CCV	1960/1	5024.48242	5023.27978	5025.68457	0.03384	ug/L	10/13/10	20:15	
CCV	1960/2	4858.77001	4848.26171	4869.27832	0.30585	ug/L	10/13/10	20:15	
CCV	Y	1058.39990	1059.31555	1057.48437	0.12233		10/13/10	20:15	
CCB	Ag	-0.49372	-0.18274	-0.80470	89.07689	ug/L	10/13/10	20:20	
CCB	Al	-5.64174	-17.40756	6.12406	294.93295	ug/L	10/13/10	20:20	
CCB	2Al	-0.00564	-0.01740	0.00612	294.93310	mg/L	10/13/10	20:20	
CCB	As	-1.84809	0.76759	-4.46378	200.15971	ug/L	10/13/10	20:20	
CCB	B	7.05432	7.20696	6.90168	3.06004	ug/L	10/13/10	20:20	
CCB	Ba	0.88540	0.08627	1.68452	127.64102	ug/L	10/13/10	20:20	
CCB	Be	0.07491	0.01214	0.13769	118.50298	ug/L	10/13/10	20:20	
CCB	Ca	40.48223	10.66719	70.29728	104.15639	ug/L	10/13/10	20:20	
CCB	Cd	-0.31185	-0.42577	-0.19792	51.66216	ug/L	10/13/10	20:20	
CCB	Co	0.26132	-0.06239	0.58504	175.19046	ug/L	10/13/10	20:20	
CCB	Cr	1.24034	0.53715	1.94354	80.17614	ug/L	10/13/10	20:20	
CCB	Cu	0.91252	-0.15661	1.98166	165.69277	ug/L	10/13/10	20:20	
CCB	Fe	-20.58123	-19.96822	-21.19425	4.21224	ug/L	10/13/10	20:20	
CCB	2Fe	-0.02057	-0.01996	-0.02119	4.21111	mg/L	10/13/10	20:20	
CCB	K	-49.99946	-45.06330	-54.93562	13.96171	ug/L	10/13/10	20:20	
CCB	Mg	3.29624	-2.88046	9.47296	265.00430	ug/L	10/13/10	20:20	
CCB	2Mg	0.00329	-0.00287	0.00947	264.68875	mg/L	10/13/10	20:20	
CCB	Mn	1.43091	0.25386	2.60796	116.33144	ug/L	10/13/10	20:20	
CCB	Mo	-2.62328	-2.25379	-2.99278	19.91933	ug/L	10/13/10	20:20	
CCB	Na	-311.75640	-331.19461	-292.31820	8.81770	ug/L	10/13/10	20:20	
CCB	Ni	0.68923	0.26327	1.11520	87.40159	ug/L	10/13/10	20:20	
CCB	Pb	1.09679	1.33001	0.86357	30.07127	ug/L	10/13/10	20:20	
CCB	Se	1.01460	3.47133	-1.44212	342.43286	ug/L	10/13/10	20:20	
CCB	Sb	-5.50918	-5.08880	-5.92956	10.79109	ug/L	10/13/10	20:20	
CCB	Sn	-3.78001	-3.04225	-4.51776	27.60146	ug/L	10/13/10	20:20	
CCB	Sr	0.58984	0.14136	1.03832	107.52705	ug/L	10/13/10	20:20	
CCB	Ti	0.28285	0.05203	0.51367	115.40342	ug/L	10/13/10	20:20	
CCB	Tl	4.55180	9.42313	-0.31952	151.34889	ug/L	10/13/10	20:20	
CCB	V	-0.77120	-1.42246	-0.11993	119.42704	ug/L	10/13/10	20:20	
CCB	Zn	1.07576	0.51451	1.63701	73.78274	ug/L	10/13/10	20:20	
CCB	2203/1	-5.00670	-2.08911	-7.92429	82.41133	ug/L	10/13/10	20:20	
CCB	2203/2	4.14397	3.03701	5.25092	37.77710	ug/L	10/13/10	20:20	
CCB	1960/1	-5.63078	-4.84111	-6.42046	19.83337	ug/L	10/13/10	20:20	
CCB	1960/2	4.33232	7.62133	1.04331	107.36418	ug/L	10/13/10	20:20	
CCB	Y	1031.23852	1032.61193	1029.86511	0.18834		10/13/10	20:20	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61932-1 1/10	Ag	0.16864	0.77484	-0.43755	508.35614	ug/L	10/13/10	20:25	
61932-1 1/10	Al	95765.28125	95797.57031	95732.99218	0.04768	ug/L	10/13/10	20:25	
61932-1 1/10	2Al	95.76686	95.79924	95.73447	0.04782	mg/L	10/13/10	20:25	
61932-1 1/10	As	1.53868	1.78462	1.29275	22.60393	ug/L	10/13/10	20:25	
61932-1 1/10	B	210.70886	210.83467	210.58305	0.08443	ug/L	10/13/10	20:25	
61932-1 1/10	Ba	5116.85839	5123.45947	5110.25781	0.18243	ug/L	10/13/10	20:25	
61932-1 1/10	Be	3.67014	3.64962	3.69065	0.79036	ug/L	10/13/10	20:25	
61932-1 1/10	Ca	147557.40625	147303.39062	147811.40625	0.24344	ug/L	10/13/10	20:25	
61932-1 1/10	Cd	0.66139	0.55358	0.76919	23.05156	ug/L	10/13/10	20:25	
61932-1 1/10	Co	21.44657	21.77719	21.11595	2.18014	ug/L	10/13/10	20:25	
61932-1 1/10	Cr	88.76368	89.00823	88.51914	0.38961	ug/L	10/13/10	20:25	
61932-1 1/10	Cu	78.08894	78.32107	77.85681	0.42039	ug/L	10/13/10	20:25	
61932-1 1/10	Fe	54422.02343	54331.37890	54512.67187	0.23555	ug/L	10/13/10	20:25	
61932-1 1/10	2Fe	54.41515	54.32451	54.50578	0.23555	mg/L	10/13/10	20:25	
61932-1 1/10	K	2754.12622	2750.85766	2757.39477	0.16783	ug/L	10/13/10	20:25	
61932-1 1/10	Mg	28203.19921	28145.65234	28260.74414	0.28855	ug/L	10/13/10	20:25	
61932-1 1/10	2Mg	28.18579	28.12828	28.24331	0.28857	mg/L	10/13/10	20:25	
61932-1 1/10	Mn	272.97485	273.11041	272.83926	0.07023	ug/L	10/13/10	20:25	
61932-1 1/10	Mo	8.75252	8.15550	9.34953	9.64642	ug/L	10/13/10	20:25	
61932-1 1/10	Na	7485.86718	7360.10205	7611.63183	2.37592	ug/L	10/13/10	20:25	
61932-1 1/10	Ni	66.29270	66.20037	66.38502	0.19695	ug/L	10/13/10	20:25	
61932-1 1/10	Pb	404.14120	404.35565	403.92675	0.07504	ug/L	10/13/10	20:25	
61932-1 1/10	Se	0.24022	-0.75362	1.23407	585.07940	ug/L	10/13/10	20:25	
61932-1 1/10	Sb	-0.56505	-3.11837	1.98826	639.03961	ug/L	10/13/10	20:25	
61932-1 1/10	Sn	4.75264	4.06918	5.43610	20.33727	ug/L	10/13/10	20:25	
61932-1 1/10	Sr	2555.24365	2561.96752	2548.51977	0.37213	ug/L	10/13/10	20:25	
61932-1 1/10	Ti	7367.56640	7362.17822	7372.95458	0.10342	ug/L	10/13/10	20:25	
61932-1 1/10	Tl	0.28988	-0.26597	0.84574	271.17498	ug/L	10/13/10	20:25	
61932-1 1/10	V	180.53637	179.77584	181.29690	0.59575	ug/L	10/13/10	20:25	
61932-1 1/10	Zn	583.16442	581.07177	585.25708	0.50748	ug/L	10/13/10	20:25	
61932-1 1/10	2203/1	406.84906	403.51455	410.18356	1.15907	ug/L	10/13/10	20:25	
61932-1 1/10	2203/2	402.78930	404.77557	400.80303	0.69738	ug/L	10/13/10	20:25	
61932-1 1/10	1960/1	-2.18676	-2.81239	-1.56112	40.46076	ug/L	10/13/10	20:25	
61932-1 1/10	1960/2	1.45190	0.27422	2.62957	114.71067	ug/L	10/13/10	20:25	
61932-1 1/10	Y	1019.47021	1017.14758	1021.79278	0.32219		10/13/10	20:25	
61932-3 1/10	Ag	1.62808	1.33451	1.92166	25.50075	ug/L	10/13/10	20:30	
61932-3 1/10	Al	327.88214	327.78097	327.98327	0.04362	ug/L	10/13/10	20:30	
61932-3 1/10	2Al	0.32789	0.32779	0.32799	0.04362	mg/L	10/13/10	20:30	
61932-3 1/10	As	-0.23388	-0.22231	-0.24546	6.99865	ug/L	10/13/10	20:30	
61932-3 1/10	B	2.17810	2.40550	1.95071	14.76441	ug/L	10/13/10	20:30	
61932-3 1/10	Ba	19.13706	19.25304	19.02109	0.85705	ug/L	10/13/10	20:30	
61932-3 1/10	Be	0.07664	0.06544	0.08785	20.67151	ug/L	10/13/10	20:30	
61932-3 1/10	Ca	14044.35449	14045.87890	14042.83007	0.01535	ug/L	10/13/10	20:30	
61932-3 1/10	Cd	0.36326	0.59104	0.13548	88.67476	ug/L	10/13/10	20:30	
61932-3 1/10	Co	2.13149	2.25754	2.00544	8.36316	ug/L	10/13/10	20:30	
61932-3 1/10	Cr	31.66348	32.03797	31.28899	1.67262	ug/L	10/13/10	20:30	
61932-3 1/10	Cu	12.38297	12.44952	12.31643	0.75996	ug/L	10/13/10	20:30	
61932-3 1/10	Fe	2786.81298	2793.43774	2780.18823	0.33618	ug/L	10/13/10	20:30	
61932-3 1/10	2Fe	2.78645	2.79308	2.77983	0.33619	mg/L	10/13/10	20:30	
61932-3 1/10	K	192.43641	189.48645	195.38638	2.16792	ug/L	10/13/10	20:30	
61932-3 1/10	Mg	2469.29394	2466.51391	2472.07421	0.15922	ug/L	10/13/10	20:30	
61932-3 1/10	2Mg	2.46811	2.46533	2.47089	0.15932	mg/L	10/13/10	20:30	
61932-3 1/10	Mn	19.92528	19.88384	19.96672	0.29413	ug/L	10/13/10	20:30	
61932-3 1/10	Mo	-0.92760	-0.93155	-0.92364	0.60325	ug/L	10/13/10	20:30	
61932-3 1/10	Na	2888.01733	2848.56396	2927.47070	1.93196	ug/L	10/13/10	20:30	
61932-3 1/10	Ni	8.09673	7.70873	8.48474	6.77712	ug/L	10/13/10	20:30	
61932-3 1/10	Pb	3037.02929	3034.93457	3039.12402	0.09754	ug/L	10/13/10	20:30	
61932-3 1/10	Se	-1.86924	-3.58924	-0.14924	130.13006	ug/L	10/13/10	20:30	
61932-3 1/10	Sb	-6.07923	-7.27089	-4.88756	27.72172	ug/L	10/13/10	20:30	
61932-3 1/10	Sn	-5.40554	-3.76872	-7.04237	42.82306	ug/L	10/13/10	20:30	
61932-3 1/10	Sr	9.44943	9.46093	9.43794	0.17203	ug/L	10/13/10	20:30	
61932-3 1/10	Ti	26.66674	27.96969	25.36379	6.90989	ug/L	10/13/10	20:30	
61932-3 1/10	Tl	4.16941	1.87955	6.45927	77.66912	ug/L	10/13/10	20:30	
61932-3 1/10	V	0.20576	-0.12242	0.53395	225.56555	ug/L	10/13/10	20:30	
61932-3 1/10	Zn	905.24682	905.89379	904.59985	0.10107	ug/L	10/13/10	20:30	
61932-3 1/10	2203/1	3087.04248	3082.85498	3091.22973	0.19182	ug/L	10/13/10	20:30	
61932-3 1/10	2203/2	3012.06030	3011.01049	3013.11010	0.04929	ug/L	10/13/10	20:30	
61932-3 1/10	1960/1	-5.48209	-6.17997	-4.78421	18.00314	ug/L	10/13/10	20:30	
61932-3 1/10	1960/2	-0.06552	-2.29582	2.16476	4813.25537	ug/L	10/13/10	20:30	
61932-3 1/10	Y	1023.63659	1026.08520	1021.18798	0.33828		10/13/10	20:30	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61932-4 1/10	Ag	-0.67249	-0.17151	-1.17347	105.35256	ug/L	10/13/10	20:35	
61932-4 1/10	Al	1429.18920	1435.03662	1423.34167	0.57862	ug/L	10/13/10	20:35	
61932-4 1/10	2Al	1.42923	1.43507	1.42338	0.57861	mg/L	10/13/10	20:35	
61932-4 1/10	As	-1.51329	-3.32534	0.29876	169.34155	ug/L	10/13/10	20:35	
61932-4 1/10	B	267.27813	267.62231	266.93399	0.18210	ug/L	10/13/10	20:35	
61932-4 1/10	Ba	2493.19653	2514.39721	2471.99584	1.20256	ug/L	10/13/10	20:35	
61932-4 1/10	Be	0.02968	0.03786	0.02150	38.96825	ug/L	10/13/10	20:35	
61932-4 1/10	Ca	34768.29296	35177.05859	34359.52734	1.66266	ug/L	10/13/10	20:35	
61932-4 1/10	Cd	-0.38881	-0.13716	-0.64046	91.53009	ug/L	10/13/10	20:35	
61932-4 1/10	Co	7.51792	6.60720	8.42863	17.13164	ug/L	10/13/10	20:35	
61932-4 1/10	Cr	13.98293	13.23611	14.72976	7.55328	ug/L	10/13/10	20:35	
61932-4 1/10	Cu	6.37051	5.37746	7.36355	22.04494	ug/L	10/13/10	20:35	
61932-4 1/10	Fe	1037.47399	1050.69506	1024.25292	1.80220	ug/L	10/13/10	20:35	
61932-4 1/10	2Fe	1.03734	1.05056	1.02412	1.80217	mg/L	10/13/10	20:35	
61932-4 1/10	K	48.83862	76.56035	21.11689	80.27344	ug/L	10/13/10	20:35	
61932-4 1/10	Mg	29014.84960	29396.72656	28632.97265	1.86130	ug/L	10/13/10	20:35	
61932-4 1/10	2Mg	29.00649	29.38825	28.62472	1.86130	mg/L	10/13/10	20:35	
61932-4 1/10	Mn	38.10658	38.34417	37.86899	0.88174	ug/L	10/13/10	20:35	
61932-4 1/10	Mo	-2.78864	-4.66558	-0.91170	95.18578	ug/L	10/13/10	20:35	
61932-4 1/10	Na	1078.24633	1208.31042	948.18237	17.05902	ug/L	10/13/10	20:35	
61932-4 1/10	Ni	0.32593	0.66044	-0.00856	145.13789	ug/L	10/13/10	20:35	
61932-4 1/10	Pb	557.02661	568.21160	545.84155	2.83972	ug/L	10/13/10	20:35	
61932-4 1/10	Se	-6.37365	-5.86397	-6.88332	11.30891	ug/L	10/13/10	20:35	
61932-4 1/10	Sb	-8.47036	-5.01817	-11.92256	57.63787	ug/L	10/13/10	20:35	
61932-4 1/10	Sn	-4.46181	-2.07916	-6.84447	75.52035	ug/L	10/13/10	20:35	
61932-4 1/10	Sr	94.85820	95.87313	93.84325	1.51314	ug/L	10/13/10	20:35	
61932-4 1/10	Ti	18.55061	18.47904	18.62219	0.54562	ug/L	10/13/10	20:35	
61932-4 1/10	Tl	1.41335	2.94134	-0.11464	152.89326	ug/L	10/13/10	20:35	
61932-4 1/10	V	-0.21896	0.23819	-0.67611	295.26663	ug/L	10/13/10	20:35	
61932-4 1/10	Zn	113.49610	114.86236	112.12985	1.70241	ug/L	10/13/10	20:35	
61932-4 1/10	2203/1	553.67126	567.02526	540.31732	3.41093	ug/L	10/13/10	20:35	
61932-4 1/10	2203/2	558.70227	568.80456	548.60003	2.55713	ug/L	10/13/10	20:35	
61932-4 1/10	1960/1	-10.50104	-10.10650	-10.89559	5.31343	ug/L	10/13/10	20:35	
61932-4 1/10	1960/2	-4.31304	-3.74589	-4.88020	18.59665	ug/L	10/13/10	20:35	
61932-4 1/10	Y	1014.79138	1015.69433	1013.88836	0.12583		10/13/10	20:35	
61962-4	Ag	-1.46075	-2.28744	-0.63406	80.03550	ug/L	10/13/10	20:43	
61962-4	Al	1128.56579	1133.53308	1123.59851	0.62245	ug/L	10/13/10	20:43	
61962-4	2Al	1.12849	1.13356	1.12342	0.63563	mg/L	10/13/10	20:43	
61962-4	As	5.51555	8.80460	2.22649	84.33291	ug/L	10/13/10	20:43	
61962-4	B	599.03411	600.85296	597.21527	0.42939	ug/L	10/13/10	20:43	
61962-4	Ba	103.30047	103.08530	103.51564	0.29457	ug/L	10/13/10	20:43	
61962-4	Be	0.00771	0.00981	0.00560	38.56586	ug/L	10/13/10	20:43	
61962-4	Ca	86100.37500	86405.81250	85794.92968	0.50169	ug/L	10/13/10	20:43	
61962-4	Cd	-0.71999	-0.72409	-0.71590	0.80401	ug/L	10/13/10	20:43	
61962-4	Co	1.79112	2.71055	0.87169	72.59525	ug/L	10/13/10	20:43	
61962-4	Cr	2.93748	3.48853	2.38643	26.52954	ug/L	10/13/10	20:43	
61962-4	Cu	4.48247	5.19159	3.77335	22.37249	ug/L	10/13/10	20:43	
61962-4	Fe	1165.16394	1160.95056	1169.37731	0.51139	ug/L	10/13/10	20:43	
61962-4	2Fe	1.16501	1.16080	1.16922	0.51135	mg/L	10/13/10	20:43	
61962-4	K	9623.07031	9567.11816	9679.02343	0.82228	ug/L	10/13/10	20:43	
61962-4	Mg	24838.08789	24970.58398	24705.59179	0.75439	ug/L	10/13/10	20:43	
61962-4	2Mg	24.83105	24.96351	24.69859	0.75440	mg/L	10/13/10	20:43	
61962-4	Mn	405.99560	406.86398	405.12725	0.30247	ug/L	10/13/10	20:43	
61962-4	Mo	54.53100	53.72627	55.33574	2.08700	ug/L	10/13/10	20:43	
61962-4	Na	61366.75781	61354.75781	61378.75390	0.02764	ug/L	10/13/10	20:43	
61962-4	Ni	4.73330	3.66345	5.80314	31.96483	ug/L	10/13/10	20:43	
61962-4	Pb	5.38466	6.50877	4.26055	29.52340	ug/L	10/13/10	20:43	
61962-4	Se	-8.73160	-10.93825	-6.52494	35.74005	ug/L	10/13/10	20:43	
61962-4	Sb	-11.99771	-12.95116	-11.04426	11.23865	ug/L	10/13/10	20:43	
61962-4	Sn	-11.82612	-12.31335	-11.33889	5.82646	ug/L	10/13/10	20:43	
61962-4	Sr	356.53277	356.02883	357.03668	0.19988	ug/L	10/13/10	20:43	
61962-4	Ti	20.87867	19.67482	22.08251	8.15423	ug/L	10/13/10	20:43	
61962-4	Tl	3.81760	-4.82744	12.46265	320.25143	ug/L	10/13/10	20:43	
61962-4	V	0.54009	-0.07207	1.15227	160.29362	ug/L	10/13/10	20:43	
61962-4	Zn	14.71741	15.47334	13.96148	7.26383	ug/L	10/13/10	20:43	
61962-4	2203/1	-5.58834	-14.53150	3.35482	226.32014	ug/L	10/13/10	20:43	
61962-4	2203/2	10.86293	17.01314	4.71273	80.06767	ug/L	10/13/10	20:43	
61962-4	1960/1	-15.39438	-26.00972	-4.77905	97.51831	ug/L	10/13/10	20:43	
61962-4	1960/2	-5.40520	-3.41381	-7.39658	52.10246	ug/L	10/13/10	20:43	
61962-4	Y	967.31878	972.79559	961.84197	0.80070		10/13/10	20:43	

47

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61962-4L	Ag	-1.31428	-2.69892	0.07036	148.99256	ug/L	10/13/10	20:49	
61962-4L	Al	223.68322	238.20166	209.16479	9.17912	ug/L	10/13/10	20:49	
61962-4L	2Al	0.22368	0.23820	0.20917	9.17912	mg/L	10/13/10	20:49	
61962-4L	As	0.94666	3.70836	-1.81504	412.56988	ug/L	10/13/10	20:49	
61962-4L	B	118.00478	122.10058	113.90898	4.90856	ug/L	10/13/10	20:49	
61962-4L	Ba	20.15158	20.36278	19.94037	1.48221	ug/L	10/13/10	20:49	
61962-4L	Be	0.00733	-0.02034	0.03501	533.60119	ug/L	10/13/10	20:49	
61962-4L	Ca	16981.15625	17357.80273	16604.51171	3.13675	ug/L	10/13/10	20:49	
61962-4L	Cd	-0.35435	-0.40921	-0.29950	21.89264	ug/L	10/13/10	20:49	
61962-4L	Co	1.35171	2.07455	0.62886	75.62667	ug/L	10/13/10	20:49	
61962-4L	Cr	1.57543	2.37244	0.77843	71.54421	ug/L	10/13/10	20:49	
61962-4L	Cu	1.86634	2.69467	1.03800	62.76711	ug/L	10/13/10	20:49	
61962-4L	Fe	223.75662	211.54263	235.97061	7.71963	ug/L	10/13/10	20:49	
61962-4L	2Fe	0.22372	0.21151	0.23594	7.71951	mg/L	10/13/10	20:49	
61962-4L	K	1786.03491	1798.58691	1773.48303	0.99388	ug/L	10/13/10	20:49	
61962-4L	Mg	4989.54882	5109.30126	4869.79589	3.39421	ug/L	10/13/10	20:49	
61962-4L	2Mg	4.98813	5.10785	4.86841	3.39429	mg/L	10/13/10	20:49	
61962-4L	Mn	80.81369	82.46952	79.15785	2.89765	ug/L	10/13/10	20:49	
61962-4L	Mo	8.28966	9.32938	7.24995	17.73748	ug/L	10/13/10	20:49	
61962-4L	Na	11498.69238	11542.65234	11454.73242	0.54065	ug/L	10/13/10	20:49	
61962-4L	Ni	2.05252	1.61216	2.49289	30.34141	ug/L	10/13/10	20:49	
61962-4L	Pb	3.51258	3.24827	3.77689	10.64155	ug/L	10/13/10	20:49	
61962-4L	Se	-2.74615	-1.89525	-3.59704	43.81947	ug/L	10/13/10	20:49	
61962-4L	Sb	-8.73498	-8.50267	-8.96728	3.76104	ug/L	10/13/10	20:49	
61962-4L	Sn	-7.24512	-11.49236	-2.99787	82.90424	ug/L	10/13/10	20:49	
61962-4L	Sr	70.90959	72.20554	69.61364	2.58462	ug/L	10/13/10	20:49	
61962-4L	Ti	4.80766	5.64998	3.96534	24.77743	ug/L	10/13/10	20:49	
61962-4L	Tl	0.40806	-3.26863	4.08477	1274.20812	ug/L	10/13/10	20:49	
61962-4L	V	-0.58500	-1.07863	-0.09137	119.33259	ug/L	10/13/10	20:49	
61962-4L	Zn	3.34202	3.70969	2.97436	15.55803	ug/L	10/13/10	20:49	
61962-4L	2203/1	-6.62064	-15.32363	2.08234	185.90161	ug/L	10/13/10	20:49	
61962-4L	2203/2	8.57160	12.52030	4.62290	65.14893	ug/L	10/13/10	20:49	
61962-4L	1960/1	-13.45544	-19.75202	-7.15886	66.17920	ug/L	10/13/10	20:49	
61962-4L	1960/2	2.60047	7.01974	-1.81880	240.33345	ug/L	10/13/10	20:49	
61962-4L	Y	984.82434	987.98278	981.66595	0.45355		10/13/10	20:49	
61962-4A	Ag	44.00073	44.46526	43.53620	1.49302	ug/L	10/13/10	20:54	
61962-4A	Al	3046.72314	3054.09033	3039.35595	0.34196	ug/L	10/13/10	20:54	
61962-4A	2Al	3.04680	3.05417	3.03944	0.34197	mg/L	10/13/10	20:54	
61962-4A	As	1959.55078	1955.14379	1963.95764	0.31804	ug/L	10/13/10	20:54	
61962-4A	B	1459.52783	1457.95703	1461.09851	0.15219	ug/L	10/13/10	20:54	
61962-4A	Ba	2067.05224	2064.44604	2069.65820	0.17829	ug/L	10/13/10	20:54	
61962-4A	Be	48.19537	48.18905	48.20169	0.01854	ug/L	10/13/10	20:54	
61962-4A	Ca	90611.73437	90669.85156	90553.60937	0.09071	ug/L	10/13/10	20:54	
61962-4A	Cd	47.27174	47.18195	47.36153	0.26862	ug/L	10/13/10	20:54	
61962-4A	Co	483.32470	484.60556	482.04388	0.37477	ug/L	10/13/10	20:54	
61962-4A	Cr	196.10427	195.50901	196.69953	0.42927	ug/L	10/13/10	20:54	
61962-4A	Cu	247.43280	247.27934	247.58627	0.08771	ug/L	10/13/10	20:54	
61962-4A	Fe	2127.19042	2136.43505	2117.94580	0.61460	ug/L	10/13/10	20:54	
61962-4A	2Fe	2.12712	2.13636	2.11788	0.61457	mg/L	10/13/10	20:54	
61962-4A	K	13931.28222	13892.16015	13970.40429	0.39714	ug/L	10/13/10	20:54	
61962-4A	Mg	29450.94531	29500.67968	29401.20898	0.23882	ug/L	10/13/10	20:54	
61962-4A	2Mg	29.44266	29.49238	29.39294	0.23882	mg/L	10/13/10	20:54	
61962-4A	Mn	894.06384	894.51507	893.61254	0.07138	ug/L	10/13/10	20:54	
61962-4A	Mo	494.83337	497.88015	491.78659	0.87075	ug/L	10/13/10	20:54	
61962-4A	Na	64978.35156	64765.63671	65191.06640	0.46296	ug/L	10/13/10	20:54	
61962-4A	Ni	484.64044	485.32299	483.95785	0.19917	ug/L	10/13/10	20:54	
61962-4A	Pb	483.30352	482.14282	484.46423	0.33963	ug/L	10/13/10	20:54	
61962-4A	Se	1933.76391	1929.08312	1938.44470	0.34231	ug/L	10/13/10	20:54	
61962-4A	Sb	472.02365	473.11175	470.93554	0.32600	ug/L	10/13/10	20:54	
61962-4A	Sn	864.67236	864.94628	864.39849	0.04479	ug/L	10/13/10	20:54	
61962-4A	Sr	781.60388	782.39971	780.80810	0.14399	ug/L	10/13/10	20:54	
61962-4A	Ti	890.69171	890.71844	890.66497	0.00424	ug/L	10/13/10	20:54	
61962-4A	Tl	1958.60327	1959.80395	1957.40258	0.08669	ug/L	10/13/10	20:54	
61962-4A	V	492.57156	492.51568	492.62744	0.01604	ug/L	10/13/10	20:54	
61962-4A	Zn	500.78588	502.14608	499.42565	0.38412	ug/L	10/13/10	20:54	
61962-4A	2203/1	486.64489	489.75726	483.53250	0.90447	ug/L	10/13/10	20:54	
61962-4A	2203/2	481.63537	478.34130	484.92941	0.96722	ug/L	10/13/10	20:54	
61962-4A	1960/1	1993.26049	1984.80273	2001.71838	0.60008	ug/L	10/13/10	20:54	
61962-4A	1960/2	1904.05932	1901.26416	1906.85437	0.20760	ug/L	10/13/10	20:54	
61962-4A	Y	991.07397	994.53479	987.61315	0.49384		10/13/10	20:54	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61962-4S	Ag	51.19492	55.38347	47.00637	11.57049	ug/L	10/13/10	20:59	
61962-4S	Al	3360.58276	3348.56176	3372.60375	0.50587	ug/L	10/13/10	20:59	
61962-4S	2Al	3.36047	3.34845	3.37249	0.50589	mg/L	10/13/10	20:59	
61962-4S	As	2001.03137	2000.26196	2001.80078	0.05437	ug/L	10/13/10	20:59	
61962-4S	B	1569.75659	1571.08520	1568.42797	0.11969	ug/L	10/13/10	20:59	
61962-4S	Ba	2104.86523	2104.18139	2105.54907	0.04594	ug/L	10/13/10	20:59	
61962-4S	Be	49.61346	49,94388	49.28303	0.94187	ug/L	10/13/10	20:59	
61962-4S	Ca	92060.25000	92385.75781	91734.75000	0.50003	ug/L	10/13/10	20:59	
61962-4S	Cd	49.60813	50.82793	48.38833	3.47736	ug/L	10/13/10	20:59	
61962-4S	Co	496.89352	497.01495	496.77209	0.03456	ug/L	10/13/10	20:59	
61962-4S	Cr	202.18206	200.94825	203.41589	0.86302	ug/L	10/13/10	20:59	
61962-4S	Cu	253.01547	249.88644	256.14450	1.74895	ug/L	10/13/10	20:59	
61962-4S	Fe	2254.36279	2347.47802	2161.24731	5.84134	ug/L	10/13/10	20:59	
61962-4S	2Fe	2.25428	2.34739	2.16118	5.84084	mg/L	10/13/10	20:59	
61962-4S	K	14827.16601	14932.35058	14721.98046	1.00325	ug/L	10/13/10	20:59	
61962-4S	Mg	30382.42578	30515.77734	30249.07617	0.62070	ug/L	10/13/10	20:59	
61962-4S	2Mg	30.37386	30.50716	30.24057	0.62063	mg/L	10/13/10	20:59	
61962-4S	Mn	908.59851	910.29339	906.90356	0.26380	ug/L	10/13/10	20:59	
61962-4S	Mo	552.82745	556.62945	549.02545	0.97260	ug/L	10/13/10	20:59	
61962-4S	Na	66552.14062	66857.17187	66247.11718	0.64817	ug/L	10/13/10	20:59	
61962-4S	Ni	502.54647	508.83779	496.25515	1.77043	ug/L	10/13/10	20:59	
61962-4S	Pb	493.32809	490.13235	496.52383	0.91611	ug/L	10/13/10	20:59	
61962-4S	Se	1987.18872	1998.24340	1976.13415	0.78671	ug/L	10/13/10	20:59	
61962-4S	Sb	497.21844	512.78143	481.65548	4.42649	ug/L	10/13/10	20:59	
61962-4S	Sn	987.37396	1005.18023	969.56768	2.55038	ug/L	10/13/10	20:59	
61962-4S	Sr	830.47705	828.19793	832.75610	0.38810	ug/L	10/13/10	20:59	
61962-4S	Ti	1006.46667	1009.15063	1003.78277	0.37712	ug/L	10/13/10	20:59	
61962-4S	Tl	2021.70568	2041.77124	2001.64013	1.40361	ug/L	10/13/10	20:59	
61962-4S	V	509.58294	515.88647	503.27938	1.74938	ug/L	10/13/10	20:59	
61962-4S	Zn	517.65924	519.65435	515.66412	0.54505	ug/L	10/13/10	20:59	
61962-4S	2203/1	516.84045	548.06072	485.62014	8.54270	ug/L	10/13/10	20:59	
61962-4S	2203/2	481.58953	461.21160	501.96749	5.98409	ug/L	10/13/10	20:59	
61962-4S	1960/1	2061.57812	2114.39697	2008.75939	3.62329	ug/L	10/13/10	20:59	
61962-4S	1960/2	1950.04882	1940.25268	1959.84509	0.71043	ug/L	10/13/10	20:59	
61962-4S	Y	995.36218	997.54199	993.18237	0.30970		10/13/10	20:59	
61962-4SD	Ag	47.18265	46.65191	47.71340	1.59080	ug/L	10/13/10	21:04	
61962-4SD	Al	3413.22924	3413.20214	3413.25634	0.00112	ug/L	10/13/10	21:04	
61962-4SD	2Al	3.41292	3.41289	3.41294	0.00109	mg/L	10/13/10	21:04	
61962-4SD	As	2040.11157	2042.55334	2037.66967	0.16926	ug/L	10/13/10	21:04	
61962-4SD	B	1558.69274	1560.32250	1557.06298	0.14786	ug/L	10/13/10	21:04	
61962-4SD	Ba	2147.15673	2144.27612	2150.03710	0.18972	ug/L	10/13/10	21:04	
61962-4SD	Be	50.13590	50.21478	50.05702	0.22250	ug/L	10/13/10	21:04	
61962-4SD	Ca	90449.03125	90680.29687	90217.77343	0.36158	ug/L	10/13/10	21:04	
61962-4SD	Cd	49.53711	49.16217	49.91205	1.07039	ug/L	10/13/10	21:04	
61962-4SD	Co	504.35546	505.25564	503.45529	0.25240	ug/L	10/13/10	21:04	
61962-4SD	Cr	204.45690	204.77372	204.14007	0.21914	ug/L	10/13/10	21:04	
61962-4SD	Cu	258.65692	258.02044	259.29342	0.34800	ug/L	10/13/10	21:04	
61962-4SD	Fe	2177.81054	2165.56958	2190.05126	0.79488	ug/L	10/13/10	21:04	
61962-4SD	2Fe	2.17774	2.16550	2.18998	0.79479	mg/L	10/13/10	21:04	
61962-4SD	K	14514.57031	14459.14746	14569.99316	0.54000	ug/L	10/13/10	21:04	
61962-4SD	Mg	29833.45312	29925.30078	29741.60546	0.43539	ug/L	10/13/10	21:04	
61962-4SD	2Mg	29.82347	29.91370	29.73324	0.42788	mg/L	10/13/10	21:04	
61962-4SD	Mn	910.35357	911.51239	909.19476	0.18001	ug/L	10/13/10	21:04	
61962-4SD	Mo	546.29150	545.47308	547.10998	0.21187	ug/L	10/13/10	21:04	
61962-4SD	Na	64889.68750	64974.11718	64805.26171	0.18400	ug/L	10/13/10	21:04	
61962-4SD	Ni	504.93945	505.40936	504.46957	0.13160	ug/L	10/13/10	21:04	
61962-4SD	Pb	506.65093	507.78973	505.51214	0.31787	ug/L	10/13/10	21:04	
61962-4SD	Se	2024.47314	2023.20373	2025.74243	0.08867	ug/L	10/13/10	21:04	
61962-4SD	Sb	488.21984	482.39431	494.04537	1.68746	ug/L	10/13/10	21:04	
61962-4SD	Sn	965.87890	966.65045	965.10729	0.11297	ug/L	10/13/10	21:04	
61962-4SD	Sr	827.09252	825.49121	828.69378	0.27379	ug/L	10/13/10	21:04	
61962-4SD	Ti	995.76342	996.25738	995.26953	0.07014	ug/L	10/13/10	21:04	
61962-4SD	Tl	2045.61853	2051.56884	2039.66821	0.41136	ug/L	10/13/10	21:04	
61962-4SD	V	512.87414	513.11669	512.63165	0.06687	ug/L	10/13/10	21:04	
61962-4SD	Zn	522.16064	524.08184	520.23944	0.52033	ug/L	10/13/10	21:04	
61962-4SD	2203/1	506.11761	508.45120	503.78402	0.65206	ug/L	10/13/10	21:04	
61962-4SD	2203/2	506.91717	507.45947	506.37490	0.15128	ug/L	10/13/10	21:04	
61962-4SD	1960/1	2074.40405	2086.58642	2062.22167	0.83052	ug/L	10/13/10	21:04	
61962-4SD	1960/2	1999.54418	1991.55908	2007.52929	0.56476	ug/L	10/13/10	21:04	
61962-4SD	Y	997.36132	999.46557	995.25714	0.29836		10/13/10	21:04	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	479.36529	480.58938	478.14123	0.36112	ug/L	10/13/10	21:10	
CCV	Al	4899.70312	4897.50488	4901.90185	0.06345	ug/L	10/13/10	21:10	
CCV	2Al	4.89951	4.89740	4.90161	0.06069	mg/L	10/13/10	21:10	
CCV	As	485.89080	480.96334	490.81826	1.43416	ug/L	10/13/10	21:10	
CCV	B	4832.56640	4820.56445	4844.56787	0.35122	ug/L	10/13/10	21:10	
CCV	Ba	4865.11669	4878.30566	4851.92773	0.38338	ug/L	10/13/10	21:10	
CCV	Be	481.74224	481.46710	482.01742	0.08077	ug/L	10/13/10	21:10	
CCV	Ca	4971.83447	4952.96142	4990.70751	0.53683	ug/L	10/13/10	21:10	
CCV	Cd	486.83120	486.00292	487.65948	0.24060	ug/L	10/13/10	21:10	
CCV	Co	488.38836	486.80203	489.97473	0.45935	ug/L	10/13/10	21:10	
CCV	Cr	4844.41699	4839.62695	4849.20751	0.13984	ug/L	10/13/10	21:10	
CCV	Cu	4830.71679	4844.09472	4817.33886	0.39164	ug/L	10/13/10	21:10	
CCV	Fe	4810.70751	4795.36474	4826.05029	0.45103	ug/L	10/13/10	21:10	
CCV	2Fe	4.81071	4.79537	4.82606	0.45099	mg/L	10/13/10	21:10	
CCV	K	9581.93164	9597.39941	9566.46484	0.22828	ug/L	10/13/10	21:10	
CCV	Mg	5009.13867	4975.55859	5042.71923	0.94806	ug/L	10/13/10	21:10	
CCV	2Mg	5.00913	4.97556	5.04269	0.94771	mg/L	10/13/10	21:10	
CCV	Mn	4913.76562	4914.04101	4913.48974	0.00793	ug/L	10/13/10	21:10	
CCV	Mo	486.63781	487.52810	485.74755	0.25872	ug/L	10/13/10	21:10	
CCV	Na	7350.07519	7238.12841	7462.02246	2.15395	ug/L	10/13/10	21:10	
CCV	Ni	2464.70996	2461.02758	2468.39233	0.21128	ug/L	10/13/10	21:10	
CCV	Pb	501.30801	498.88696	503.72906	0.68298	ug/L	10/13/10	21:10	
CCV	Se	4886.72851	4882.64990	4890.80761	0.11804	ug/L	10/13/10	21:10	
CCV	Sb	484.95281	481.35635	488.54928	1.04879	ug/L	10/13/10	21:10	
CCV	Sn	4860.31542	4845.96972	4874.66064	0.41741	ug/L	10/13/10	21:10	
CCV	Sr	2375.27783	2380.64428	2369.91113	0.31951	ug/L	10/13/10	21:10	
CCV	Ti	486.50872	486.37533	486.64208	0.03877	ug/L	10/13/10	21:10	
CCV	Tl	4837.43310	4839.22412	4835.64208	0.05235	ug/L	10/13/10	21:10	
CCV	V	4908.46630	4906.32714	4910.60546	0.06163	ug/L	10/13/10	21:10	
CCV	Zn	2490.74560	2478.06835	2503.42285	0.71979	ug/L	10/13/10	21:10	
CCV	2203/1	512.95050	514.40307	511.49795	0.40047	ug/L	10/13/10	21:10	
CCV	2203/2	495.49548	491.14053	499.85043	1.24296	ug/L	10/13/10	21:10	
CCV	1960/1	5036.48828	5032.95214	5040.02441	0.09929	ug/L	10/13/10	21:10	
CCV	1960/2	4811.96093	4807.61132	4816.31103	0.12784	ug/L	10/13/10	21:10	
CCV	Y	1030.98657	1024.17834	1037.79479	0.93389		10/13/10	21:10	
CCB	Ag	0.42274	0.31958	0.52591	34.51213	ug/L	10/13/10	21:15	
CCB	Al	-15.69622	-14.87540	-16.51703	7.39544	ug/L	10/13/10	21:15	
CCB	2Al	-0.01569	-0.01487	-0.01651	7.39561	mg/L	10/13/10	21:15	
CCB	As	-0.30280	1.85032	-2.45592	1005.60522	ug/L	10/13/10	21:15	
CCB	B	6.32961	6.62835	6.03088	6.67455	ug/L	10/13/10	21:15	
CCB	Ba	1.07357	0.27365	1.87349	105.37305	ug/L	10/13/10	21:15	
CCB	Be	0.12999	0.04831	0.21166	88.85910	ug/L	10/13/10	21:15	
CCB	Ca	13.34000	9.81972	16.86027	37.31945	ug/L	10/13/10	21:15	
CCB	Cd	-0.00023	-0.11864	0.11817	70565.42187	ug/L	10/13/10	21:15	
CCB	Co	0.00024	-0.05993	0.06041	34950.08593	ug/L	10/13/10	21:15	
CCB	Cr	1.28815	0.82600	1.75030	50.73753	ug/L	10/13/10	21:15	
CCB	Cu	0.83988	0.63367	1.04608	34.72150	ug/L	10/13/10	21:15	
CCB	Fe	2.03215	-10.48458	14.54890	871.06207	ug/L	10/13/10	21:15	
CCB	2Fe	0.00203	-0.01048	0.01454	871.04107	mg/L	10/13/10	21:15	
CCB	K	-8.67713	-25.38657	8.03230	272.33312	ug/L	10/13/10	21:15	
CCB	Mg	4.85584	3.32793	6.38374	44.49869	ug/L	10/13/10	21:15	
CCB	2Mg	0.00485	0.00332	0.00638	44.44279	mg/L	10/13/10	21:15	
CCB	Mn	1.16173	0.42653	1.89693	89.49811	ug/L	10/13/10	21:15	
CCB	Mo	-0.76016	-1.69205	0.17173	173.37040	ug/L	10/13/10	21:15	
CCB	Na	-132.79463	-177.48703	-88.10223	47.59574	ug/L	10/13/10	21:15	
CCB	Ni	1.09259	0.33004	1.85514	98.70153	ug/L	10/13/10	21:15	
CCB	Pb	1.73694	1.02420	2.44968	58.03114	ug/L	10/13/10	21:15	
CCB	Se	6.23403	3.92650	8.54156	52.34714	ug/L	10/13/10	21:15	
CCB	Sb	2.25064	1.68427	2.81701	35.58826	ug/L	10/13/10	21:15	
CCB	Sn	-1.74345	-2.81462	-0.67227	86.88931	ug/L	10/13/10	21:15	
CCB	Sr	0.53057	0.17249	0.88866	95.44452	ug/L	10/13/10	21:15	
CCB	Ti	0.10581	0.04893	0.16270	76.02566	ug/L	10/13/10	21:15	
CCB	Tl	9.20208	5.56026	12.84390	55.96894	ug/L	10/13/10	21:15	
CCB	V	0.84257	-0.62437	2.30951	246.22018	ug/L	10/13/10	21:15	
CCB	Zn	0.99073	0.30926	1.67220	97.27574	ug/L	10/13/10	21:15	
CCB	2203/1	1.85142	0.94405	2.75880	69.30970	ug/L	10/13/10	21:15	
CCB	2203/2	1.67978	1.06421	2.29536	51.82497	ug/L	10/13/10	21:15	
CCB	1960/1	3.57661	1.08794	6.06528	98.40344	ug/L	10/13/10	21:15	
CCB	1960/2	7.56075	5.34365	9.77784	41.46999	ug/L	10/13/10	21:15	
CCB	Y	1046.07299	1046.74072	1045.40515	0.09027		10/13/10	21:15	

50

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61990-1	Ag	-0.02868	0.33573	-0.39310	1796.60729	ug/L	10/13/10	21:20	
61990-1	Al	6776.30371	6775.37060	6777.23730	0.01947	ug/L	10/13/10	21:20	
61990-1	2Al	6.77611	6.77498	6.77724	0.02355	mg/L	10/13/10	21:20	
61990-1	As	1.23821	2.21821	0.25821	111.92916	ug/L	10/13/10	21:20	
61990-1	B	895.36444	894.50872	896.22015	0.13515	ug/L	10/13/10	21:20	
61990-1	Ba	137.99804	138.11938	137.87669	0.12435	ug/L	10/13/10	21:20	
61990-1	Be	0.31876	0.30658	0.33095	5.40650	ug/L	10/13/10	21:20	
61990-1	Ca	112328.59375	112212.56250	112444.61718	0.14607	ug/L	10/13/10	21:20	
61990-1	Cd	1.38066	1.39570	1.36562	1.54078	ug/L	10/13/10	21:20	
61990-1	Co	4.63833	4.36915	4.90752	8.20734	ug/L	10/13/10	21:20	
61990-1	Cr	17.93703	17.57133	18.30272	2.88325	ug/L	10/13/10	21:20	
61990-1	Cu	64.24554	64.29148	64.19959	0.10114	ug/L	10/13/10	21:20	
61990-1	Fe	11195.68164	11175.68750	11215.67480	0.25255	ug/L	10/13/10	21:20	
61990-1	2Fe	11.19366	11.17306	11.21425	0.26017	mg/L	10/13/10	21:20	
61990-1	K	10150.40039	10159.44335	10141.35644	0.12599	ug/L	10/13/10	21:20	
61990-1	Mg	41570.70312	41508.88281	41632.52343	0.21030	ug/L	10/13/10	21:20	
61990-1	2Mg	41.55567	41.49234	41.61902	0.21556	mg/L	10/13/10	21:20	
61990-1	Mn	477.30664	477.01553	477.59774	0.08625	ug/L	10/13/10	21:20	
61990-1	Mo	40.56185	38.16828	42.95543	8.34533	ug/L	10/13/10	21:20	
61990-1	Na	64795.27343	65051.21093	64539.33593	0.55860	ug/L	10/13/10	21:20	
61990-1	Ni	26.40051	25.41873	27.38229	5.25914	ug/L	10/13/10	21:20	
61990-1	Pb	77.13346	76.71823	77.54868	0.76129	ug/L	10/13/10	21:20	
61990-1	Se	-3.40071	-7.07154	0.27011	152.65420	ug/L	10/13/10	21:20	
61990-1	Sb	-3.54420	-4.00416	-3.08424	18.35343	ug/L	10/13/10	21:20	
61990-1	Sn	-0.27572	-0.62965	0.07821	181.53915	ug/L	10/13/10	21:20	
61990-1	Sr	362.33575	362.32611	362.34539	0.00376	ug/L	10/13/10	21:20	
61990-1	Ti	85.33200	85.23922	85.42477	0.15375	ug/L	10/13/10	21:20	
61990-1	Tl	3.55701	6.15186	0.96217	103.16680	ug/L	10/13/10	21:20	
61990-1	V	14.11206	14.62078	13.60333	5.09813	ug/L	10/13/10	21:20	
61990-1	Zn	380.59893	380.26452	380.93338	0.12426	ug/L	10/13/10	21:20	
61990-1	2203/1	74.00119	74.89914	73.10323	1.71605	ug/L	10/13/10	21:20	
61990-1	2203/2	78.69725	77.62641	79.76807	1.92430	ug/L	10/13/10	21:20	
61990-1	1960/1	-2.83678	-2.84762	-2.82595	0.54026	ug/L	10/13/10	21:20	
61990-1	1960/2	-3.68225	-9.18033	1.81582	211.16018	ug/L	10/13/10	21:20	
61990-1	Y	1035.92163	1032.56152	1039.28161	0.45870		10/13/10	21:20	
61990-2	Ag	-1.58609	-0.44671	-2.72547	101.59097	ug/L	10/13/10	21:26	
61990-2	Al	252.27705	254.16278	250.39132	1.05709	ug/L	10/13/10	21:26	
61990-2	2Al	0.25228	0.25417	0.25039	1.05709	mg/L	10/13/10	21:26	
61990-2	As	-0.70126	0.29768	-1.70021	201.45365	ug/L	10/13/10	21:26	
61990-2	B	252.45222	252.29983	252.60461	0.08536	ug/L	10/13/10	21:26	
61990-2	Ba	73.01445	73.17616	72.85274	0.31321	ug/L	10/13/10	21:26	
61990-2	Be	-0.01621	0.01001	-0.04244	228.73873	ug/L	10/13/10	21:26	
61990-2	Ca	67965.72656	68084.55468	67846.89843	0.24725	ug/L	10/13/10	21:26	
61990-2	Cd	-0.34429	-0.27761	-0.41098	27.39243	ug/L	10/13/10	21:26	
61990-2	Co	0.80414	1.43507	0.17322	110.95776	ug/L	10/13/10	21:26	
61990-2	Cr	2.13483	3.09447	1.17519	63.57089	ug/L	10/13/10	21:26	
61990-2	Cu	5.46464	6.14288	4.78640	17.55248	ug/L	10/13/10	21:26	
61990-2	Fe	646.48486	661.92236	631.04736	3.37701	ug/L	10/13/10	21:26	
61990-2	2Fe	0.64640	0.66183	0.63096	3.37709	mg/L	10/13/10	21:26	
61990-2	K	10109.92773	10107.19824	10112.65625	0.03817	ug/L	10/13/10	21:26	
61990-2	Mg	20102.05859	20162.70898	20041.41015	0.42667	ug/L	10/13/10	21:26	
61990-2	2Mg	20.09629	20.15692	20.03566	0.42665	mg/L	10/13/10	21:26	
61990-2	Mn	53.21094	53.20475	53.21713	0.01645	ug/L	10/13/10	21:26	
61990-2	Mo	17.51341	19.30082	15.72600	14.43337	ug/L	10/13/10	21:26	
61990-2	Na	53201.35546	53241.86718	53160.84375	0.10768	ug/L	10/13/10	21:26	
61990-2	Ni	7.76730	8.91486	6.61975	20.89379	ug/L	10/13/10	21:26	
61990-2	Pb	6.52310	6.03913	7.00708	10.49262	ug/L	10/13/10	21:26	
61990-2	Se	-3.65315	-1.74565	-5.56066	73.84341	ug/L	10/13/10	21:26	
61990-2	Sb	-7.98176	-3.39002	-12.57350	81.35671	ug/L	10/13/10	21:26	
61990-2	Sn	-5.57570	-4.80589	-6.34552	19.52547	ug/L	10/13/10	21:26	
61990-2	Sr	382.12255	381.36230	382.88281	0.28136	ug/L	10/13/10	21:26	
61990-2	Ti	5.25920	4.70311	5.81529	14.95338	ug/L	10/13/10	21:26	
61990-2	Tl	-5.28938	1.08989	-11.66866	170.56159	ug/L	10/13/10	21:26	
61990-2	V	-1.23055	0.35373	-2.81484	182.07450	ug/L	10/13/10	21:26	
61990-2	Zn	50.14308	50.89616	49.38999	2.12397	ug/L	10/13/10	21:26	
61990-2	2203/1	-2.75884	1.84313	-7.36082	235.90223	ug/L	10/13/10	21:26	
61990-2	2203/2	11.15712	8.13397	14.18026	38.31969	ug/L	10/13/10	21:26	
61990-2	1960/1	-12.60362	-3.27556	-21.93168	104.66729	ug/L	10/13/10	21:26	
61990-2	1960/2	0.81536	-0.98184	2.61257	311.71890	ug/L	10/13/10	21:26	
61990-2	Y	1037.92077	1044.60717	1031.23437	0.91105		10/13/10	21:26	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62030-3	Ag	3.29599	6.44665	0.14533	135.18542	ug/L	10/13/10	21:31	
62030-3	Al	267.21075	259.95458	274.46691	3.84032	ug/L	10/13/10	21:31	
62030-3	2Al	0.26721	0.25996	0.27447	3.84036	mg/L	10/13/10	21:31	
62030-3	As	-4.42004	-8.67060	-0.16949	135.99841	ug/L	10/13/10	21:31	
62030-3	B	811.32800	807.72662	814.92932	0.62774	ug/L	10/13/10	21:31	
62030-3	Ba	117.20330	118.17285	116.23375	1.16989	ug/L	10/13/10	21:31	
62030-3	Be	0.26298	0.40051	0.12544	73.96015	ug/L	10/13/10	21:31	
62030-3	Ca	107009.43750	106284.69531	107734.17187	0.95779	ug/L	10/13/10	21:31	
62030-3	Cd	1.15520	1.92380	0.38660	94.09314	ug/L	10/13/10	21:31	
62030-3	Co	-0.19431	-1.88687	1.49825	1231.84497	ug/L	10/13/10	21:31	
62030-3	Cr	4.92890	3.42177	6.43603	43.24307	ug/L	10/13/10	21:31	
62030-3	Cu	13.57106	11.97344	15.16868	16.64847	ug/L	10/13/10	21:31	
62030-3	Fe	2200.45507	2261.38354	2139.52685	3.91581	ug/L	10/13/10	21:31	
62030-3	2Fe	2.20017	2.26109	2.13925	3.91582	mg/L	10/13/10	21:31	
62030-3	K	28682.90625	28928.78710	28437.02343	1.21232	ug/L	10/13/10	21:31	
62030-3	Mg	27221.84765	26958.36132	27485.33593	1.36885	ug/L	10/13/10	21:31	
62030-3	2Mg	27.21393	26.95050	27.47735	1.36892	mg/L	10/13/10	21:31	
62030-3	Mn	333.54547	332.23489	334.85607	0.55568	ug/L	10/13/10	21:31	
62030-3	Mo	26.72244	29.40363	24.04125	14.18947	ug/L	10/13/10	21:31	
62030-3	Na	95429.00781	96145.98437	94712.03125	1.06252	ug/L	10/13/10	21:31	
62030-3	Ni	24.05018	28.44577	19.65460	25.84720	ug/L	10/13/10	21:31	
62030-3	Pb	14.58022	13.69813	15.46231	8.55585	ug/L	10/13/10	21:31	
62030-3	Se	19.34551	30.34954	8.34148	80.44268	ug/L	10/13/10	21:31	
62030-3	Sb	21.17609	37.03720	5.31499	105.92594	ug/L	10/13/10	21:31	
62030-3	Sn	10.26292	21.27936	-0.75352	151.80476	ug/L	10/13/10	21:31	
62030-3	Sr	520.02392	520.17517	519.87268	0.04113	ug/L	10/13/10	21:31	
62030-3	Ti	5.37910	4.85823	5.89997	13.69417	ug/L	10/13/10	21:31	
62030-3	Tl	17.54778	28.19890	6.89666	85.83966	ug/L	10/13/10	21:31	
62030-3	V	7.00535	11.83413	2.17658	97.48142	ug/L	10/13/10	21:31	
62030-3	Zn	109.39060	107.33736	111.44386	2.65446	ug/L	10/13/10	21:31	
62030-3	2203/1	39.02647	59.13489	18.91805	72.86745	ug/L	10/13/10	21:31	
62030-3	2203/2	2.37542	-8.98618	13.73703	676.41638	ug/L	10/13/10	21:31	
62030-3	1960/1	33.61870	60.97748	6.25991	115.08823	ug/L	10/13/10	21:31	
62030-3	1960/2	12.21961	15.05852	9.38070	32.85559	ug/L	10/13/10	21:31	
62030-3	Y	1058.32861	1048.16882	1068.48840	1.35762		10/13/10	21:31	
61924-2	Ag	-0.45227	-0.30029	-0.60425	47.52306	ug/L	10/13/10	21:36	
61924-2	Al	15.80385	11.85592	19.75179	35.32821	ug/L	10/13/10	21:36	
61924-2	2Al	0.01580	0.01185	0.01975	35.32818	mg/L	10/13/10	21:36	
61924-2	As	-4.04034	-3.22717	-4.85351	28.46288	ug/L	10/13/10	21:36	
61924-2	B	55.76528	56.00924	55.52132	0.61868	ug/L	10/13/10	21:36	
61924-2	Ba	18.80127	18.83799	18.76456	0.27618	ug/L	10/13/10	21:36	
61924-2	Be	0.09899	0.07567	0.12231	33.31378	ug/L	10/13/10	21:36	
61924-2	Ca	408644.75000	408686.59375	408602.93750	0.01447	ug/L	10/13/10	21:36	
61924-2	Cd	1.27798	1.16801	1.38795	12.16913	ug/L	10/13/10	21:36	
61924-2	Co	0.37558	0.01757	0.73360	134.80541	ug/L	10/13/10	21:36	
61924-2	Cr	89.32456	89.86436	88.78478	0.85461	ug/L	10/13/10	21:36	
61924-2	Cu	7.76943	8.07238	7.46649	5.51421	ug/L	10/13/10	21:36	
61924-2	Fe	1412.87573	1418.95446	1406.79711	0.60844	ug/L	10/13/10	21:36	
61924-2	2Fe	1.41269	1.41877	1.40661	0.60841	mg/L	10/13/10	21:36	
61924-2	K	4385.69140	4390.77783	4380.60449	0.16402	ug/L	10/13/10	21:36	
61924-2	Mg	7028.99804	7034.15087	7023.84472	0.10367	ug/L	10/13/10	21:36	
61924-2	2Mg	7.02678	7.03193	7.02162	0.10366	mg/L	10/13/10	21:36	
61924-2	Mn	32.92891	32.99769	32.86013	0.29538	ug/L	10/13/10	21:36	
61924-2	Mo	6.52933	6.93755	6.12110	8.84190	ug/L	10/13/10	21:36	
61924-2	Na	35412.30468	35666.35546	35158.25781	1.01456	ug/L	10/13/10	21:36	
61924-2	Ni	4.15113	4.50054	3.80171	11.90403	ug/L	10/13/10	21:36	
61924-2	Pb	3.53143	3.59324	3.46963	2.47510	ug/L	10/13/10	21:36	
61924-2	Se	-0.68366	1.64080	-3.00813	480.83587	ug/L	10/13/10	21:36	
61924-2	Sb	-1.82537	-3.62446	-0.02627	139.38560	ug/L	10/13/10	21:36	
61924-2	Sn	-3.49239	-4.52479	-2.45998	41.80636	ug/L	10/13/10	21:36	
61924-2	Sr	226.59207	226.59220	226.59191	0.00009	ug/L	10/13/10	21:36	
61924-2	Ti	0.25960	0.29084	0.22837	17.01276	ug/L	10/13/10	21:36	
61924-2	Tl	-0.70453	-2.20144	0.79237	300.47625	ug/L	10/13/10	21:36	
61924-2	V	-1.19717	-1.27288	-1.12147	8.94276	ug/L	10/13/10	21:36	
61924-2	Zn	17.30986	17.19935	17.42038	0.90292	ug/L	10/13/10	21:36	
61924-2	2203/1	-1.31498	1.13884	-3.76881	263.89883	ug/L	10/13/10	21:36	
61924-2	2203/2	5.95102	4.81860	7.08343	26.91088	ug/L	10/13/10	21:36	
61924-2	1960/1	-1.84148	1.27527	-4.95824	239.35931	ug/L	10/13/10	21:36	
61924-2	1960/2	-0.10562	1.82330	-2.03454	2582.74438	ug/L	10/13/10	21:36	
61924-2	Y	1059.35339	1058.34960	1060.35717	0.13400		10/13/10	21:36	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61927-3	Ag	-0.49272	-1.05158	0.06612	160.40142	ug/L	10/13/10	21:42	
61927-3	Al	-14.90476	-16.73616	-13.07336	17.37689	ug/L	10/13/10	21:42	
61927-3	2Al	-0.01490	-0.01673	-0.01307	17.37697	mg/L	10/13/10	21:42	
61927-3	As	-3.28843	-2.61934	-3.95753	28.77487	ug/L	10/13/10	21:42	
61927-3	B	27.91678	27.38514	28.44841	2.69317	ug/L	10/13/10	21:42	
61927-3	Ba	18.08275	17.97319	18.19231	0.85686	ug/L	10/13/10	21:42	
61927-3	Be	0.03882	0.04196	0.03568	11.43970	ug/L	10/13/10	21:42	
61927-3	Ca	34421.07031	34393.82812	34448.31640	0.11193	ug/L	10/13/10	21:42	
61927-3	Cd	-0.34939	-0.40024	-0.29854	20.58250	ug/L	10/13/10	21:42	
61927-3	Co	0.05816	0.00171	0.11460	137.25148	ug/L	10/13/10	21:42	
61927-3	Cr	13.46799	13.76817	13.16780	3.15207	ug/L	10/13/10	21:42	
61927-3	Cu	1.32003	1.15879	1.48127	17.27416	ug/L	10/13/10	21:42	
61927-3	Fe	29.02560	33.06596	24.98523	19.68585	ug/L	10/13/10	21:42	
61927-3	2Fe	0.02902	0.03306	0.02498	19.68585	mg/L	10/13/10	21:42	
61927-3	K	878.93774	875.00640	882.86914	0.63255	ug/L	10/13/10	21:42	
61927-3	Mg	19560.60937	19549.94726	19571.26953	0.07707	ug/L	10/13/10	21:42	
61927-3	2Mg	19.55508	19.54442	19.56574	0.07708	mg/L	10/13/10	21:42	
61927-3	Mn	13.52415	13.51608	13.53222	0.08438	ug/L	10/13/10	21:42	
61927-3	Mo	-0.62069	-1.11763	-0.12375	113.22542	ug/L	10/13/10	21:42	
61927-3	Na	3257.85595	3118.15112	3397.56079	6.06449	ug/L	10/13/10	21:42	
61927-3	Ni	1.51982	2.75571	0.28393	115.00061	ug/L	10/13/10	21:42	
61927-3	Pb	1.15590	1.25623	1.05558	12.27466	ug/L	10/13/10	21:42	
61927-3	Se	3.32555	3.98892	2.66219	28.20997	ug/L	10/13/10	21:42	
61927-3	Sb	-4.92318	-5.92227	-3.92409	28.69940	ug/L	10/13/10	21:42	
61927-3	Sn	-7.54600	-9.72135	-5.37064	40.76881	ug/L	10/13/10	21:42	
61927-3	Sr	26.96675	26.91458	27.01893	0.27360	ug/L	10/13/10	21:42	
61927-3	Ti	-0.37642	-0.35584	-0.39699	7.72987	ug/L	10/13/10	21:42	
61927-3	Tl	-0.03174	4.17494	-4.23843	18741.31054	ug/L	10/13/10	21:42	
61927-3	V	-0.77321	-0.77571	-0.77072	0.45644	ug/L	10/13/10	21:42	
61927-3	Zn	4.97381	4.67490	5.27271	8.49874	ug/L	10/13/10	21:42	
61927-3	2203/1	1.15435	-1.43663	3.74534	317.42517	ug/L	10/13/10	21:42	
61927-3	2203/2	1.15668	2.60064	-0.28728	176.54612	ug/L	10/13/10	21:42	
61927-3	1960/1	-3.15641	-6.16264	-0.15017	134.69282	ug/L	10/13/10	21:42	
61927-3	1960/2	6.56168	9.05709	4.06626	53.78265	ug/L	10/13/10	21:42	
61927-3	Y	1100.42944	1098.66955	1102.18920	0.22616		10/13/10	21:42	
61922-1	Ag	-0.54010	-0.56449	-0.51571	6.38652	ug/L	10/13/10	21:47	
61922-1	Al	154.19699	152.78610	155.60789	1.29399	ug/L	10/13/10	21:47	
61922-1	2Al	0.15420	0.15279	0.15561	1.29399	mg/L	10/13/10	21:47	
61922-1	As	-0.92350	-1.05777	-0.78923	20.56182	ug/L	10/13/10	21:47	
61922-1	B	81.81536	81.87218	81.75853	0.09822	ug/L	10/13/10	21:47	
61922-1	Ba	20.13865	20.29312	19.98418	1.08473	ug/L	10/13/10	21:47	
61922-1	Be	0.00637	0.01385	-0.00110	166.03076	ug/L	10/13/10	21:47	
61922-1	Ca	84918.93750	84995.97656	84841.89062	0.12830	ug/L	10/13/10	21:47	
61922-1	Cd	0.84481	0.77547	0.91415	11.60745	ug/L	10/13/10	21:47	
61922-1	Co	0.73854	0.57306	0.90402	31.68668	ug/L	10/13/10	21:47	
61922-1	Cr	14.32097	14.35918	14.28277	0.37727	ug/L	10/13/10	21:47	
61922-1	Cu	8.29651	8.05064	8.54238	4.19110	ug/L	10/13/10	21:47	
61922-1	Fe	378.55178	377.95187	379.15170	0.22411	ug/L	10/13/10	21:47	
61922-1	2Fe	0.37850	0.37790	0.37910	0.22413	mg/L	10/13/10	21:47	
61922-1	K	4998.60351	5009.94824	4987.25927	0.32096	ug/L	10/13/10	21:47	
61922-1	Mg	16617.52148	16632.86328	16602.17968	0.13056	ug/L	10/13/10	21:47	
61922-1	2Mg	16.61277	16.62811	16.59743	0.13055	mg/L	10/13/10	21:47	
61922-1	Mn	24.77553	24.81457	24.73649	0.22284	ug/L	10/13/10	21:47	
61922-1	Mo	19.25510	19.59905	18.91115	2.52616	ug/L	10/13/10	21:47	
61922-1	Na	31022.21875	31042.64453	31001.79492	0.09311	ug/L	10/13/10	21:47	
61922-1	Ni	2.96705	4.14833	1.78576	56.30457	ug/L	10/13/10	21:47	
61922-1	Pb	3.65640	2.36510	4.94771	49.94466	ug/L	10/13/10	21:47	
61922-1	Se	-1.68937	2.64172	-6.02048	362.56588	ug/L	10/13/10	21:47	
61922-1	Sb	-8.36512	-6.75804	-9.97220	27.16938	ug/L	10/13/10	21:47	
61922-1	Sn	-6.87705	-6.25051	-7.50359	12.88429	ug/L	10/13/10	21:47	
61922-1	Sr	61.43593	61.55250	61.31935	0.26834	ug/L	10/13/10	21:47	
61922-1	Ti	0.45849	0.45911	0.45786	0.19173	ug/L	10/13/10	21:47	
61922-1	Tl	-0.74496	-1.27202	-0.21790	100.05560	ug/L	10/13/10	21:47	
61922-1	V	-1.46612	-1.31166	-1.62057	14.89901	ug/L	10/13/10	21:47	
61922-1	Zn	43.93328	44.05119	43.81538	0.37954	ug/L	10/13/10	21:47	
61922-1	2203/1	-2.40725	-2.00602	-2.80848	23.57157	ug/L	10/13/10	21:47	
61922-1	2203/2	6.68369	4.54738	8.81999	45.20238	ug/L	10/13/10	21:47	
61922-1	1960/1	-7.26366	-3.40554	-11.12178	75.11645	ug/L	10/13/10	21:47	
61922-1	1960/2	1.09358	5.66083	-3.47366	590.63159	ug/L	10/13/10	21:47	
61922-1	Y	1099.13159	1099.26599	1098.99719	0.01729		10/13/10	21:47	

5

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	469.50097	463.42587	475.57611	1.82992	ug/L	10/13/10	21:52	
CCV	Al	4860.36718	4872.50244	4848.23193	0.35309	ug/L	10/13/10	21:52	
CCV	2Al	4.86018	4.87260	4.84776	0.36132	mg/L	10/13/10	21:52	
CCV	As	493.00848	499.80908	486.20785	1.95078	ug/L	10/13/10	21:52	
CCV	B	4861.70898	4859.19775	4864.21972	0.07304	ug/L	10/13/10	21:52	
CCV	Ba	4798.29589	4787.14306	4809.44921	0.32871	ug/L	10/13/10	21:52	
CCV	Be	491.54229	493.55368	489.53094	0.57868	ug/L	10/13/10	21:52	
CCV	Ca	5098.49365	5102.36035	5094.62695	0.10725	ug/L	10/13/10	21:52	
CCV	Cd	502.14718	504.03952	500.25485	0.53294	ug/L	10/13/10	21:52	
CCV	Co	501.72296	504.51300	498.93295	0.78642	ug/L	10/13/10	21:52	
CCV	Cr	4939.04931	4956.29296	4921.80566	0.49374	ug/L	10/13/10	21:52	
CCV	Cu	4749.50292	4741.09179	4757.91357	0.25044	ug/L	10/13/10	21:52	
CCV	Fe	4841.99707	4788.93701	4895.05664	1.54973	ug/L	10/13/10	21:52	
CCV	2Fe	4.84201	4.78895	4.89506	1.54950	mg/L	10/13/10	21:52	
CCV	K	9202.98242	9055.66992	9350.29589	2.26374	ug/L	10/13/10	21:52	
CCV	Mg	5228.95312	5277.58740	5180.31835	1.31536	ug/L	10/13/10	21:52	
CCV	2Mg	5.22890	5.27753	5.18026	1.31537	mg/L	10/13/10	21:52	
CCV	Mn	4974.15722	4983.34033	4964.97363	0.26109	ug/L	10/13/10	21:52	
CCV	Mo	486.34783	484.60498	488.09066	0.50678	ug/L	10/13/10	21:52	
CCV	Na	6869.91406	6626.64648	7113.18164	5.00781	ug/L	10/13/10	21:52	
CCV	Ni	2519.70556	2527.76220	2511.64892	0.45218	ug/L	10/13/10	21:52	
CCV	Pb	522.61499	532.26586	512.96417	2.61155	ug/L	10/13/10	21:52	
CCV	Se	4951.63671	5005.33789	4897.93603	1.53372	ug/L	10/13/10	21:52	
CCV	Sb	456.83572	439.89001	473.78143	5.24583	ug/L	10/13/10	21:52	
CCV	Sn	4988.46679	4996.16210	4980.77148	0.21815	ug/L	10/13/10	21:52	
CCV	Sr	2356.20922	2352.98803	2359.43041	0.19333	ug/L	10/13/10	21:52	
CCV	Ti	487.35153	487.84838	486.85467	0.14417	ug/L	10/13/10	21:52	
CCV	Tl	4878.67236	4855.23876	4902.10595	0.67928	ug/L	10/13/10	21:52	
CCV	V	4944.95263	4945.25781	4944.64746	0.00872	ug/L	10/13/10	21:52	
CCV	Zn	2604.75195	2620.41040	2589.09375	0.85014	ug/L	10/13/10	21:52	
CCV	2203/1	476.98419	440.40322	513.56518	10.84591	ug/L	10/13/10	21:52	
CCV	2203/2	545.39624	578.12835	512.66412	8.48744	ug/L	10/13/10	21:52	
CCV	1960/1	4994.69140	4952.47460	5036.90820	1.19534	ug/L	10/13/10	21:52	
CCV	1960/2	4930.14208	5031.72998	4828.55419	2.91405	ug/L	10/13/10	21:52	
CCV	Y	1075.75854	1080.71875	1070.79833	0.65207		10/13/10	21:52	
CCB	Ag	-0.70596	-1.15685	-0.25507	90.32312	ug/L	10/13/10	21:58	
CCB	Al	-16.08709	-16.75532	-15.41886	5.87438	ug/L	10/13/10	21:58	
CCB	2Al	-0.01608	-0.01675	-0.01541	5.87433	mg/L	10/13/10	21:58	
CCB	As	-0.97317	-1.69126	-0.25509	104.35153	ug/L	10/13/10	21:58	
CCB	B	8.45849	7.63492	9.28207	13.76973	ug/L	10/13/10	21:58	
CCB	Ba	0.98633	0.20309	1.76958	112.30162	ug/L	10/13/10	21:58	
CCB	Be	0.10866	0.03267	0.18465	98.89402	ug/L	10/13/10	21:58	
CCB	Ca	12.22449	8.46915	15.97982	43.44428	ug/L	10/13/10	21:58	
CCB	Cd	-0.35823	-0.51908	-0.19738	63.49935	ug/L	10/13/10	21:58	
CCB	Co	-0.14506	-0.20330	-0.08683	56.76949	ug/L	10/13/10	21:58	
CCB	Cr	1.98307	1.13999	2.82615	60.12362	ug/L	10/13/10	21:58	
CCB	Cu	1.36073	0.79680	1.92466	58.60886	ug/L	10/13/10	21:58	
CCB	Fe	-20.02108	-32.82714	-7.21502	90.45713	ug/L	10/13/10	21:58	
CCB	2Fe	-0.02001	-0.03282	-0.00721	90.45713	mg/L	10/13/10	21:58	
CCB	K	-35.35471	-34.92054	-35.78888	1.73670	ug/L	10/13/10	21:58	
CCB	Mg	6.37411	6.36545	6.38278	0.19229	ug/L	10/13/10	21:58	
CCB	2Mg	0.00637	0.00636	0.00638	0.15087	mg/L	10/13/10	21:58	
CCB	Mn	1.42658	0.57627	2.27690	84.29365	ug/L	10/13/10	21:58	
CCB	Mo	-2.30374	-3.05647	-1.55101	46.20806	ug/L	10/13/10	21:58	
CCB	Na	-67.11096	-54.90535	-79.31658	25.72059	ug/L	10/13/10	21:58	
CCB	Ni	0.52226	0.42604	0.61849	26.05670	ug/L	10/13/10	21:58	
CCB	Pb	3.87740	3.34156	4.41324	19.54393	ug/L	10/13/10	21:58	
CCB	Se	-1.48972	-5.54974	2.57029	385.42202	ug/L	10/13/10	21:58	
CCB	Sb	-5.77705	-6.97544	-4.57865	29.33658	ug/L	10/13/10	21:58	
CCB	Sn	-3.10634	-3.49023	-2.72245	17.47719	ug/L	10/13/10	21:58	
CCB	Sr	0.62684	0.19427	1.05940	97.59078	ug/L	10/13/10	21:58	
CCB	Ti	0.14421	0.02182	0.26660	120.01846	ug/L	10/13/10	21:58	
CCB	Tl	3.29917	6.40159	0.19675	132.98744	ug/L	10/13/10	21:58	
CCB	V	-0.79452	-1.58034	-0.00870	139.87120	ug/L	10/13/10	21:58	
CCB	Zn	1.47029	1.11863	1.82195	33.82482	ug/L	10/13/10	21:58	
CCB	2203/1	-4.57484	-6.91290	-2.23679	72.27591	ug/L	10/13/10	21:58	
CCB	2203/2	8.09719	8.46111	7.73328	6.35590	ug/L	10/13/10	21:58	
CCB	1960/1	-9.30140	-10.16778	-8.43502	13.17270	ug/L	10/13/10	21:58	
CCB	1960/2	2.41025	-3.24419	8.06470	331.77371	ug/L	10/13/10	21:58	
CCB	Y	1068.91259	1070.03393	1067.79113	0.14836		10/13/10	21:58	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 182785	Ag	-0.31043	-0.75661	0.13574	203.26216	ug/L	10/13/10	22:03	
PBW 182785	Al	-18.42620	-15.99890	-20.85351	18.62959	ug/L	10/13/10	22:03	
PBW 182785	2Al	-0.01842	-0.01599	-0.02085	18.62964	mg/L	10/13/10	22:03	
PBW 182785	As	-4.96804	-4.27348	-5.66259	19.77133	ug/L	10/13/10	22:03	
PBW 182785	B	0.03681	0.39890	-0.32527	1391.11584	ug/L	10/13/10	22:03	
PBW 182785	Ba	-0.10134	-0.23095	0.02826	180.87091	ug/L	10/13/10	22:03	
PBW 182785	Be	0.01508	0.00216	0.02800	121.08626	ug/L	10/13/10	22:03	
PBW 182785	Ca	13.59240	13.58212	13.60268	0.10694	ug/L	10/13/10	22:03	
PBW 182785	Cd	-0.27324	-0.40865	-0.13784	70.08091	ug/L	10/13/10	22:03	
PBW 182785	Co	-0.35646	-0.28806	-0.42487	27.13917	ug/L	10/13/10	22:03	
PBW 182785	Cr	0.29917	0.19747	0.40087	48.07484	ug/L	10/13/10	22:03	
PBW 182785	Cu	-0.39345	-0.49217	-0.29472	35.48544	ug/L	10/13/10	22:03	
PBW 182785	Fe	70.79614	65.96257	75.62970	9.65545	ug/L	10/13/10	22:03	
PBW 182785	2Fe	0.07078	0.06595	0.07561	9.65551	mg/L	10/13/10	22:03	
PBW 182785	K	-23.47520	-35.91056	-11.03984	74.91419	ug/L	10/13/10	22:03	
PBW 182785	Mg	3.43418	6.38348	0.48489	121.45304	ug/L	10/13/10	22:03	
PBW 182785	2Mg	0.00342	0.00637	0.00047	121.92028	mg/L	10/13/10	22:03	
PBW 182785	Mn	0.63549	0.66304	0.60793	6.13156	ug/L	10/13/10	22:03	
PBW 182785	Mo	-2.66185	-2.97739	-2.34631	16.76420	ug/L	10/13/10	22:03	
PBW 182785	Na	-62.69300	-192.08554	66.69953	291.88052	ug/L	10/13/10	22:03	
PBW 182785	Ni	-1.24127	-2.41846	-0.06408	134.12028	ug/L	10/13/10	22:03	
PBW 182785	Pb	1.70338	2.62059	0.78617	76.15040	ug/L	10/13/10	22:03	
PBW 182785	Se	2.12562	1.63139	2.61985	32.88192	ug/L	10/13/10	22:03	
PBW 182785	Sb	-4.70193	-4.41438	-4.98947	8.64855	ug/L	10/13/10	22:03	
PBW 182785	Sn	-5.45940	-6.57230	-4.34649	28.82893	ug/L	10/13/10	22:03	
PBW 182785	Sr	-0.00190	0.00471	-0.00852	491.53063	ug/L	10/13/10	22:03	
PBW 182785	Ti	-0.26562	-0.19976	-0.33147	35.06307	ug/L	10/13/10	22:03	
PBW 182785	Tl	2.78591	2.62263	2.94919	8.28841	ug/L	10/13/10	22:03	
PBW 182785	V	-0.75710	-1.11689	-0.39731	67.20658	ug/L	10/13/10	22:03	
PBW 182785	Zn	1.74134	1.56064	1.92203	14.67482	ug/L	10/13/10	22:03	
PBW 182785	2203/1	0.21761	2.33171	-1.89649	1373.90637	ug/L	10/13/10	22:03	
PBW 182785	2203/2	2.44515	2.76481	2.12549	18.48841	ug/L	10/13/10	22:03	
PBW 182785	1960/1	1.25112	0.14278	2.35946	125.28128	ug/L	10/13/10	22:03	
PBW 182785	1960/2	2.56221	2.37458	2.74985	10.35653	ug/L	10/13/10	22:03	
PBW 182785	Y	1074.36425	1069.91638	1078.81201	0.58547		10/13/10	22:03	
LCSW-1	Ag	41.12422	39.82661	42.42184	4.46235	ug/L	10/13/10	22:08	
LCSW-1	Al	1838.67187	1838.55493	1838.78894	0.00899	ug/L	10/13/10	22:08	
LCSW-1	2Al	1.83862	1.83841	1.83883	0.01622	mg/L	10/13/10	22:08	
LCSW-1	As	1850.25427	1839.58630	1860.92224	0.81538	ug/L	10/13/10	22:08	
LCSW-1	B	910.96606	906.50274	915.42944	0.69290	ug/L	10/13/10	22:08	
LCSW-1	Ba	1839.97216	1838.00573	1841.93859	0.15114	ug/L	10/13/10	22:08	
LCSW-1	Be	46.43074	46.24480	46.61667	0.56632	ug/L	10/13/10	22:08	
LCSW-1	Ca	4726.35546	4713.53417	4739.17724	0.38364	ug/L	10/13/10	22:08	
LCSW-1	Cd	47.63473	47.20127	48.06819	1.28688	ug/L	10/13/10	22:08	
LCSW-1	Co	477.19201	475.10794	479.27606	0.61763	ug/L	10/13/10	22:08	
LCSW-1	Cr	188.65519	188.32150	188.98889	0.25014	ug/L	10/13/10	22:08	
LCSW-1	Cu	224.09506	223.48823	224.70188	0.38295	ug/L	10/13/10	22:08	
LCSW-1	Fe	912.96563	897.40588	928.52539	2.41025	ug/L	10/13/10	22:08	
LCSW-1	2Fe	0.91304	0.89749	0.92860	2.40986	mg/L	10/13/10	22:08	
LCSW-1	K	4353.30859	4334.95166	4371.66503	0.59633	ug/L	10/13/10	22:08	
LCSW-1	Mg	4860.87304	4838.32031	4883.42626	0.65615	ug/L	10/13/10	22:08	
LCSW-1	2Mg	4.85955	4.83701	4.88210	0.65608	mg/L	10/13/10	22:08	
LCSW-1	Mn	474.06237	473.00787	475.11691	0.31458	ug/L	10/13/10	22:08	
LCSW-1	Mo	458.67492	456.33087	461.01901	0.72273	ug/L	10/13/10	22:08	
LCSW-1	Na	4171.71777	4125.35937	4218.07617	1.57155	ug/L	10/13/10	22:08	
LCSW-1	Ni	479.86364	478.10971	481.61761	0.51690	ug/L	10/13/10	22:08	
LCSW-1	Pb	488.45220	488.17053	488.73391	0.08155	ug/L	10/13/10	22:08	
LCSW-1	Se	1886.65808	1887.42382	1885.89233	0.05739	ug/L	10/13/10	22:08	
LCSW-1	Sb	431.89025	422.40792	441.37261	3.10496	ug/L	10/13/10	22:08	
LCSW-1	Sn	935.82006	927.83386	943.80621	1.20687	ug/L	10/13/10	22:08	
LCSW-1	Sr	450.67730	450.99725	450.35736	0.10039	ug/L	10/13/10	22:08	
LCSW-1	Ti	908.08483	905.77899	910.39068	0.35910	ug/L	10/13/10	22:08	
LCSW-1	Tl	1918.51806	1908.70812	1928.32812	0.72313	ug/L	10/13/10	22:08	
LCSW-1	V	465.57681	463.73004	467.42358	0.56096	ug/L	10/13/10	22:08	
LCSW-1	Zn	499.26385	497.44396	501.08377	0.51550	ug/L	10/13/10	22:08	
LCSW-1	2203/1	491.35656	481.94485	500.76831	2.70886	ug/L	10/13/10	22:08	
LCSW-1	2203/2	487.00222	491.27871	482.72573	1.24185	ug/L	10/13/10	22:08	
LCSW-1	1960/1	1932.36779	1921.59680	1943.13879	0.78828	ug/L	10/13/10	22:08	
LCSW-1	1960/2	1863.83691	1870.36242	1857.31152	0.49512	ug/L	10/13/10	22:08	
LCSW-1	Y	1073.64599	1072.40270	1074.88916	0.16375		10/13/10	22:08	

55

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-41	Ag	-0.53113	-0.30578	-0.75648	60.00157	ug/L	10/13/10	22:13	
61764-41	Al	-11.06387	-10.14710	-11.98063	11.71834	ug/L	10/13/10	22:13	
61764-41	2Al	-0.01106	-0.01014	-0.01198	11.71821	mg/L	10/13/10	22:13	
61764-41	As	-2.97721	-2.59584	-3.35858	18.11544	ug/L	10/13/10	22:13	
61764-41	B	194.13398	195.00131	193.26666	0.63182	ug/L	10/13/10	22:13	
61764-41	Ba	544.65209	545.20568	544.09857	0.14373	ug/L	10/13/10	22:13	
61764-41	Be	-0.00151	0.02140	-0.02443	2139.71875	ug/L	10/13/10	22:13	
61764-41	Ca	47081.89453	47118.46484	47045.32421	0.10984	ug/L	10/13/10	22:13	
61764-41	Cd	-0.29461	-0.40440	-0.18482	52.70201	ug/L	10/13/10	22:13	
61764-41	Co	0.28000	0.46451	0.09548	93.19409	ug/L	10/13/10	22:13	
61764-41	Cr	107.13325	107.32041	106.94609	0.24705	ug/L	10/13/10	22:13	
61764-41	Cu	0.90653	1.06666	0.74639	24.98142	ug/L	10/13/10	22:13	
61764-41	Fe	-4.21789	-8.30111	-0.13468	136.90557	ug/L	10/13/10	22:13	
61764-41	2Fe	-0.00421	-0.00829	-0.00013	136.92608	mg/L	10/13/10	22:13	
61764-41	K	6286.73242	6290.47705	6282.98779	0.08423	ug/L	10/13/10	22:13	
61764-41	Mg	20231.37304	20254.75390	20207.99218	0.16343	ug/L	10/13/10	22:13	
61764-41	2Mg	20.22566	20.24903	20.20228	0.16344	mg/L	10/13/10	22:13	
61764-41	Mn	0.65178	0.60196	0.70160	10.80984	ug/L	10/13/10	22:13	
61764-41	Mo	179.89553	179.66664	180.12442	0.17993	ug/L	10/13/10	22:13	
61764-41	Na	35194.92578	35101.67187	35288.17968	0.37471	ug/L	10/13/10	22:13	
61764-41	Ni	0.06663	-0.43033	0.56361	1054.67407	ug/L	10/13/10	22:13	
61764-41	Pb	3.67315	3.75237	3.59394	3.04984	ug/L	10/13/10	22:13	
61764-41	Se	-0.19080	-1.15448	0.77287	714.24975	ug/L	10/13/10	22:13	
61764-41	Sb	0.79451	1.81262	-0.22359	181.22123	ug/L	10/13/10	22:13	
61764-41	Sn	-6.44822	-9.08566	-3.81079	57.84371	ug/L	10/13/10	22:13	
61764-41	Sr	3617.95507	3627.48144	3608.42871	0.37237	ug/L	10/13/10	22:13	
61764-41	Ti	0.55397	0.62077	0.48717	17.05361	ug/L	10/13/10	22:13	
61764-41	Tl	5.54256	7.20113	3.88399	42.31935	ug/L	10/13/10	22:13	
61764-41	V	14.08263	14.37113	13.79414	2.89714	ug/L	10/13/10	22:13	
61764-41	Zn	9.67060	9.44735	9.89385	3.26473	ug/L	10/13/10	22:13	
61764-41	2203/1	-1.49554	-1.02234	-1.96874	44.74662	ug/L	10/13/10	22:13	
61764-41	2203/2	6.25363	6.13615	6.37111	2.65679	ug/L	10/13/10	22:13	
61764-41	1960/1	-5.39003	-5.97347	-4.80659	15.30803	ug/L	10/13/10	22:13	
61764-41	1960/2	2.40490	1.25139	3.55842	67.83283	ug/L	10/13/10	22:13	
61764-41	Y	1068.72778	1068.90832	1068.54711	0.02389		10/13/10	22:13	
61764-42	Ag	0.23901	1.23037	-0.75235	586.58154	ug/L	10/13/10	22:19	
61764-42	Al	45.60318	40.70822	50.49813	15.17988	ug/L	10/13/10	22:19	
61764-42	2Al	0.04560	0.04070	0.05049	15.18001	mg/L	10/13/10	22:19	
61764-42	As	29.41603	28.06320	30.76886	6.50392	ug/L	10/13/10	22:19	
61764-42	B	210.14978	210.46200	209.83753	0.21011	ug/L	10/13/10	22:19	
61764-42	Ba	215.14117	215.02828	215.25404	0.07419	ug/L	10/13/10	22:19	
61764-42	Be	0.02452	0.04044	0.00859	91.82275	ug/L	10/13/10	22:19	
61764-42	Ca	18295.38671	18286.11328	18304.66210	0.07169	ug/L	10/13/10	22:19	
61764-42	Cd	-0.09427	0.11447	-0.30301	313.15048	ug/L	10/13/10	22:19	
61764-42	Co	2.13542	1.90090	2.36994	15.53138	ug/L	10/13/10	22:19	
61764-42	Cr	8.56058	8.66842	8.45274	1.78152	ug/L	10/13/10	22:19	
61764-42	Cu	2.52595	2.09737	2.95454	23.99529	ug/L	10/13/10	22:19	
61764-42	Fe	385.24487	390.16064	380.32910	1.80455	ug/L	10/13/10	22:19	
61764-42	2Fe	0.38520	0.39011	0.38028	1.80453	mg/L	10/13/10	22:19	
61764-42	K	414172.43750	414103.25000	414241.65625	0.02362	ug/L	10/13/10	22:19	
61764-42	Mg	8417.72363	8418.61914	8416.82812	0.01504	ug/L	10/13/10	22:19	
61764-42	2Mg	8.41528	8.41617	8.41438	0.01503	mg/L	10/13/10	22:19	
61764-42	Mn	4.54441	4.53205	4.55677	0.38456	ug/L	10/13/10	22:19	
61764-42	Mo	464.08853	465.37582	462.80123	0.39227	ug/L	10/13/10	22:19	
61764-42	Na	280103.21875	280698.25000	279508.18750	0.30042	ug/L	10/13/10	22:19	
61764-42	Ni	16.11496	16.55323	15.67668	3.84620	ug/L	10/13/10	22:19	
61764-42	Pb	7.28712	7.11088	7.46337	3.42037	ug/L	10/13/10	22:19	
61764-42	Se	1.76490	3.14249	0.38731	110.38611	ug/L	10/13/10	22:19	
61764-42	Sb	-4.53140	-7.17878	-1.88402	82.62252	ug/L	10/13/10	22:19	
61764-42	Sn	-2.90457	-4.41836	-1.39077	73.70561	ug/L	10/13/10	22:19	
61764-42	Sr	964.32543	966.52416	962.12670	0.32245	ug/L	10/13/10	22:19	
61764-42	Ti	6.31289	6.41750	6.20829	2.34335	ug/L	10/13/10	22:19	
61764-42	Tl	-0.54043	-5.84594	4.76507	1388.34924	ug/L	10/13/10	22:19	
61764-42	V	35.37368	35.86703	34.88033	1.97237	ug/L	10/13/10	22:19	
61764-42	Zn	13.83424	13.53881	14.12966	3.01999	ug/L	10/13/10	22:19	
61764-42	2203/1	6.78029	10.09921	3.46137	69.22508	ug/L	10/13/10	22:19	
61764-42	2203/2	7.54016	5.61896	9.46137	36.03362	ug/L	10/13/10	22:19	
61764-42	1960/1	2.26835	8.04811	-3.51140	360.34115	ug/L	10/13/10	22:19	
61764-42	1960/2	1.51355	0.69336	2.33375	76.63574	ug/L	10/13/10	22:19	
61764-42	Y	1026.09350	1025.98437	1026.20275	0.01504		10/13/10	22:19	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-43	Ag	-0.34023	0.02129	-0.70177	150.27310	ug/L	10/13/10	22:24	
61764-43	Al	3.55150	0.93894	6.16405	104.03238	ug/L	10/13/10	22:24	
61764-43	2Al	0.00355	0.00093	0.00616	104.03632	mg/L	10/13/10	22:24	
61764-43	As	5.42021	5.99023	4.85018	14.87283	ug/L	10/13/10	22:24	
61764-43	B	596.75750	594.14587	599.36914	0.61891	ug/L	10/13/10	22:24	
61764-43	Ba	47.37125	47.35007	47.39242	0.06321	ug/L	10/13/10	22:24	
61764-43	Be	0.03085	0.03077	0.03094	0.37752	ug/L	10/13/10	22:24	
61764-43	Ca	114868.79687	114716.61718	115020.98437	0.18736	ug/L	10/13/10	22:24	
61764-43	Cd	-0.31346	-0.29393	-0.33300	8.81310	ug/L	10/13/10	22:24	
61764-43	Co	3.93311	3.72664	4.13957	7.42369	ug/L	10/13/10	22:24	
61764-43	Cr	2.25224	1.97750	2.52699	17.25177	ug/L	10/13/10	22:24	
61764-43	Cu	0.11128	-0.35002	0.57258	586.24810	ug/L	10/13/10	22:24	
61764-43	Fe	239.66258	247.50152	231.82363	4.62564	ug/L	10/13/10	22:24	
61764-43	2Fe	0.23963	0.24747	0.23179	4.62557	mg/L	10/13/10	22:24	
61764-43	K	178076.21875	178256.23437	177896.18750	0.14296	ug/L	10/13/10	22:24	
61764-43	Mg	24927.21484	24875.81250	24978.61718	0.29162	ug/L	10/13/10	22:24	
61764-43	2Mg	24.92014	24.86875	24.97153	0.29163	mg/L	10/13/10	22:24	
61764-43	Mn	20.01573	19.91575	20.11570	0.70635	ug/L	10/13/10	22:24	
61764-43	Mo	142.09799	141.41726	142.77870	0.67747	ug/L	10/13/10	22:24	
61764-43	Na	251217.59375	251060.93750	251374.26562	0.08819	ug/L	10/13/10	22:24	
61764-43	Ni	14.47896	14.10664	14.85128	3.63660	ug/L	10/13/10	22:24	
61764-43	Pb	2.34477	1.98593	2.70361	21.64302	ug/L	10/13/10	22:24	
61764-43	Se	-1.00137	1.18887	-3.19163	309.32171	ug/L	10/13/10	22:24	
61764-43	Sb	-3.80751	-2.17438	-5.44063	60.65871	ug/L	10/13/10	22:24	
61764-43	Sn	-3.51256	-2.65248	-4.37264	34.62809	ug/L	10/13/10	22:24	
61764-43	Sr	656.97747	655.89166	658.06329	0.23373	ug/L	10/13/10	22:24	
61764-43	Ti	0.91280	0.76290	1.06271	23.22450	ug/L	10/13/10	22:24	
61764-43	Tl	4.84603	4.66002	5.03203	5.42808	ug/L	10/13/10	22:24	
61764-43	V	13.23798	13.41878	13.05718	1.93144	ug/L	10/13/10	22:24	
61764-43	Zn	6.06827	5.80708	6.32946	6.08705	ug/L	10/13/10	22:24	
61764-43	2203/1	-0.03746	3.16438	-3.23931	12086.43945	ug/L	10/13/10	22:24	
61764-43	2203/2	3.53410	1.39759	5.67062	85.49517	ug/L	10/13/10	22:24	
61764-43	1960/1	-2.70637	2.18664	-7.59940	255.68412	ug/L	10/13/10	22:24	
61764-43	1960/2	-0.15015	0.69073	-0.99104	791.97161	ug/L	10/13/10	22:24	
61764-43	Y	1036.62304	1036.52636	1036.71960	0.01318		10/13/10	22:24	
61764-45	Ag	0.07166	0.34668	-0.20335	542.72668	ug/L	10/13/10	22:29	
61764-45	Al	133.48469	133.93473	133.03465	0.47680	ug/L	10/13/10	22:29	
61764-45	2Al	0.13348	0.13393	0.13303	0.47679	mg/L	10/13/10	22:29	
61764-45	As	-0.59909	1.83878	-3.03697	575.48059	ug/L	10/13/10	22:29	
61764-45	B	31.36719	31.78807	30.94631	1.89757	ug/L	10/13/10	22:29	
61764-45	Ba	33.38963	33.43819	33.34106	0.20569	ug/L	10/13/10	22:29	
61764-45	Be	0.03227	0.00975	0.05479	98.66461	ug/L	10/13/10	22:29	
61764-45	Ca	67520.25781	67509.07031	67531.44531	0.02343	ug/L	10/13/10	22:29	
61764-45	Cd	-0.01213	-0.24518	0.22090	2714.85156	ug/L	10/13/10	22:29	
61764-45	Co	0.31113	0.43907	0.18318	58.15567	ug/L	10/13/10	22:29	
61764-45	Cr	12.84235	12.97167	12.71304	1.42402	ug/L	10/13/10	22:29	
61764-45	Cu	1.01688	1.06195	0.97180	6.26909	ug/L	10/13/10	22:29	
61764-45	Fe	158.32846	146.44638	170.21052	10.61324	ug/L	10/13/10	22:29	
61764-45	2Fe	0.15830	0.14642	0.17018	10.61324	mg/L	10/13/10	22:29	
61764-45	K	5579.97363	5560.11035	5599.83740	0.50343	ug/L	10/13/10	22:29	
61764-45	Mg	8454.73632	8450.98632	8458.48535	0.06271	ug/L	10/13/10	22:29	
61764-45	2Mg	8.45232	8.44857	8.45606	0.06268	mg/L	10/13/10	22:29	
61764-45	Mn	6.00885	5.95831	6.05939	1.18948	ug/L	10/13/10	22:29	
61764-45	Mo	8.65180	8.59919	8.70442	0.86000	ug/L	10/13/10	22:29	
61764-45	Na	14192.81250	14144.95996	14240.66601	0.47682	ug/L	10/13/10	22:29	
61764-45	Ni	1.11898	0.40646	1.83149	90.05024	ug/L	10/13/10	22:29	
61764-45	Pb	2.26222	2.34639	2.17805	5.26168	ug/L	10/13/10	22:29	
61764-45	Se	0.25214	-0.45569	0.95998	397.01165	ug/L	10/13/10	22:29	
61764-45	Sb	-2.19659	-7.12966	2.73647	317.60128	ug/L	10/13/10	22:29	
61764-45	Sn	-3.02187	-3.53158	-2.51216	23.85401	ug/L	10/13/10	22:29	
61764-45	Sr	331.23553	331.62197	330.84906	0.16499	ug/L	10/13/10	22:29	
61764-45	Ti	5.34370	5.38236	5.30505	1.02308	ug/L	10/13/10	22:29	
61764-45	Tl	5.48440	1.91812	9.05068	91.96038	ug/L	10/13/10	22:29	
61764-45	V	-0.18923	-0.52854	0.15007	253.57228	ug/L	10/13/10	22:29	
61764-45	Zn	7.46084	7.42031	7.50136	0.76816	ug/L	10/13/10	22:29	
61764-45	2203/1	-0.99579	-0.77763	-1.21396	30.98368	ug/L	10/13/10	22:29	
61764-45	2203/2	3.88879	3.90605	3.87152	0.62798	ug/L	10/13/10	22:29	
61764-45	1960/1	3.77706	5.26010	2.29403	55.52783	ug/L	10/13/10	22:29	
61764-45	1960/2	-1.50767	-3.30931	0.29395	168.99491	ug/L	10/13/10	22:29	
61764-45	Y	1066.42187	1067.64831	1065.19555	0.16263		10/13/10	22:29	

57

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61759-1	Ag	0.15500	0.52675	-0.21674	339.17590	ug/L	10/13/10	22:35	
61759-1	Al	124.90480	123.41777	126.39183	1.68366	ug/L	10/13/10	22:35	
61759-1	2Al	0.12490	0.12342	0.12639	1.68367	mg/L	10/13/10	22:35	
61759-1	As	-2.61426	-4.72950	-0.49902	114.42588	ug/L	10/13/10	22:35	
61759-1	B	27.22435	26.05526	28.39344	6.07301	ug/L	10/13/10	22:35	
61759-1	Ba	22.73479	22.84430	22.62529	0.68116	ug/L	10/13/10	22:35	
61759-1	Be	0.03384	0.05948	0.00820	107.14955	ug/L	10/13/10	22:35	
61759-1	Ca	8433.80175	8430.50585	8437.09765	0.05526	ug/L	10/13/10	22:35	
61759-1	Cd	-0.33696	-0.40177	-0.27216	27.19676	ug/L	10/13/10	22:35	
61759-1	Co	-0.03972	0.10107	-0.18052	501.26174	ug/L	10/13/10	22:35	
61759-1	Cr	0.25752	-0.08568	0.60072	188.47572	ug/L	10/13/10	22:35	
61759-1	Cu	2.16751	2.32501	2.01002	10.27613	ug/L	10/13/10	22:35	
61759-1	Fe	844.16540	857.79254	830.53833	2.28292	ug/L	10/13/10	22:35	
61759-1	2Fe	0.84405	0.85768	0.83043	2.28293	mg/L	10/13/10	22:35	
61759-1	K	2495.29736	2503.36694	2487.22753	0.45735	ug/L	10/13/10	22:35	
61759-1	Mg	2976.62817	2971.85961	2981.39672	0.22655	ug/L	10/13/10	22:35	
61759-1	2Mg	2.97573	2.97096	2.98050	0.22667	mg/L	10/13/10	22:35	
61759-1	Mn	217.72602	217.75686	217.69519	0.02003	ug/L	10/13/10	22:35	
61759-1	Mo	-4.53120	-4.30082	-4.76158	7.19029	ug/L	10/13/10	22:35	
61759-1	Na	13544.28125	13625.05566	13463.50683	0.84339	ug/L	10/13/10	22:35	
61759-1	Ni	1.36116	1.76710	0.95523	42.17522	ug/L	10/13/10	22:35	
61759-1	Pb	1.13545	0.28150	1.98940	106.35934	ug/L	10/13/10	22:35	
61759-1	Se	0.10524	-0.80163	1.01212	1218.62145	ug/L	10/13/10	22:35	
61759-1	Sb	-6.49513	-6.99319	-5.99708	10.84441	ug/L	10/13/10	22:35	
61759-1	Sn	-7.74055	-7.02120	-8.45991	13.14270	ug/L	10/13/10	22:35	
61759-1	Sr	43.20025	43.24476	43.15574	0.14570	ug/L	10/13/10	22:35	
61759-1	Ti	2.44578	2.36309	2.52847	4.78131	ug/L	10/13/10	22:35	
61759-1	Tl	-1.27649	-1.19777	-1.35521	8.72145	ug/L	10/13/10	22:35	
61759-1	V	-0.71866	-0.30921	-1.12811	80.57240	ug/L	10/13/10	22:35	
61759-1	Zn	11.20616	10.91499	11.49734	3.67464	ug/L	10/13/10	22:35	
61759-1	2203/1	0.81704	0.49576	1.13831	55.61012	ug/L	10/13/10	22:35	
61759-1	2203/2	1.29442	0.17454	2.41431	122.35172	ug/L	10/13/10	22:35	
61759-1	1960/1	1.13823	-3.41204	5.68851	565.35485	ug/L	10/13/10	22:35	
61759-1	1960/2	-0.41047	0.50160	-1.32256	314.23992	ug/L	10/13/10	22:35	
61759-1	Y	1085.47314	1083.46557	1087.48071	0.26155		10/13/10	22:35	
61759-1S	Ag	44.59706	44.39608	44.79804	0.63732	ug/L	10/13/10	22:40	
61759-1S	Al	2370.53320	2369.10058	2371.96557	0.08545	ug/L	10/13/10	22:40	
61759-1S	2Al	2.37059	2.36916	2.37203	0.08546	mg/L	10/13/10	22:40	
61759-1S	As	1963.37609	1958.64990	1968.10229	0.34042	ug/L	10/13/10	22:40	
61759-1S	B	981.16235	977.46118	984.86352	0.53347	ug/L	10/13/10	22:40	
61759-1S	Ba	1952.01391	1952.07104	1951.95666	0.00414	ug/L	10/13/10	22:40	
61759-1S	Be	49.66826	49.68859	49.64794	0.05787	ug/L	10/13/10	22:40	
61759-1S	Ca	13783.98828	13768.79980	13799.17773	0.15583	ug/L	10/13/10	22:40	
61759-1S	Cd	50.81629	50.70963	50.92296	0.29684	ug/L	10/13/10	22:40	
61759-1S	Co	507.91479	507.39306	508.43649	0.14526	ug/L	10/13/10	22:40	
61759-1S	Cr	200.23065	200.31607	200.14524	0.06032	ug/L	10/13/10	22:40	
61759-1S	Cu	240.18629	240.54086	239.83172	0.20876	ug/L	10/13/10	22:40	
61759-1S	Fe	2017.00024	2027.52624	2006.47412	0.73803	ug/L	10/13/10	22:40	
61759-1S	2Fe	2.01695	2.02748	2.00643	0.73793	mg/L	10/13/10	22:40	
61759-1S	K	7204.29003	7214.20654	7194.37353	0.19466	ug/L	10/13/10	22:40	
61759-1S	Mg	8257.57617	8252.83886	8262.31250	0.08112	ug/L	10/13/10	22:40	
61759-1S	2Mg	8.25522	8.25048	8.25996	0.08116	mg/L	10/13/10	22:40	
61759-1S	Mn	730.38446	729.67993	731.08898	0.13641	ug/L	10/13/10	22:40	
61759-1S	Mo	481.69940	481.62979	481.76898	0.02043	ug/L	10/13/10	22:40	
61759-1S	Na	18945.73828	18991.82812	18899.64843	0.34403	ug/L	10/13/10	22:40	
61759-1S	Ni	509.49041	508.00369	510.97714	0.41267	ug/L	10/13/10	22:40	
61759-1S	Pb	514.00183	513.95751	514.04608	0.01218	ug/L	10/13/10	22:40	
61759-1S	Se	1985.10644	1979.06518	1991.14758	0.43038	ug/L	10/13/10	22:40	
61759-1S	Sb	463.05084	461.24978	464.85189	0.55006	ug/L	10/13/10	22:40	
61759-1S	Sn	988.53710	987.18096	989.89324	0.19401	ug/L	10/13/10	22:40	
61759-1S	Sr	511.28070	510.76727	511.79415	0.14201	ug/L	10/13/10	22:40	
61759-1S	Ti	953.60314	952.71752	954.48876	0.13133	ug/L	10/13/10	22:40	
61759-1S	Tl	2031.32104	2023.15417	2039.48779	0.56857	ug/L	10/13/10	22:40	
61759-1S	V	493.70385	493.11688	494.29086	0.16814	ug/L	10/13/10	22:40	
61759-1S	Zn	546.38085	545.27075	547.49102	0.28734	ug/L	10/13/10	22:40	
61759-1S	2203/1	524.91076	523.14343	526.67810	0.47615	ug/L	10/13/10	22:40	
61759-1S	2203/2	508.55548	509.37139	507.73953	0.22689	ug/L	10/13/10	22:40	
61759-1S	1960/1	2038.19750	2036.89953	2039.49536	0.09005	ug/L	10/13/10	22:40	
61759-1S	1960/2	1958.59997	1950.19067	1967.00927	0.60719	ug/L	10/13/10	22:40	
61759-1S	Y	1089.38757	1085.96032	1092.81481	0.44491		10/13/10	22:40	

58

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61759-1SD	Ag	38.31542	38.15791	38.47293	0.58136	ug/L	10/13/10	22:45	
61759-1SD	Al	2088.49072	2090.45678	2086.52441	0.13313	ug/L	10/13/10	22:45	
61759-1SD	2Al	2.08854	2.09051	2.08658	0.13313	mg/L	10/13/10	22:45	
61759-1SD	As	1750.28784	1746.24267	1754.33288	0.32684	ug/L	10/13/10	22:45	
61759-1SD	B	878.47424	877.55291	879.39556	0.14831	ug/L	10/13/10	22:45	
61759-1SD	Ba	1718.46557	1717.78588	1719.14538	0.05593	ug/L	10/13/10	22:45	
61759-1SD	Be	44.17431	44.12755	44.22107	0.14970	ug/L	10/13/10	22:45	
61759-1SD	Ca	12339.77148	12320.30371	12359.23925	0.22311	ug/L	10/13/10	22:45	
61759-1SD	Cd	45.10528	44.71570	45.49486	1.22147	ug/L	10/13/10	22:45	
61759-1SD	Co	452.76306	451.72793	453.79821	0.32332	ug/L	10/13/10	22:45	
61759-1SD	Cr	178.57121	178.23818	178.90423	0.26374	ug/L	10/13/10	22:45	
61759-1SD	Cu	210.81445	210.01890	211.61001	0.53368	ug/L	10/13/10	22:45	
61759-1SD	Fe	1800.26062	1794.12890	1806.39233	0.48168	ug/L	10/13/10	22:45	
61759-1SD	2Fe	1.80022	1.79408	1.80635	0.48166	mg/L	10/13/10	22:45	
61759-1SD	K	6396.16064	6399.15087	6393.17041	0.06611	ug/L	10/13/10	22:45	
61759-1SD	Mg	7445.91259	7433.52832	7458.29687	0.23521	ug/L	10/13/10	22:45	
61759-1SD	2Mg	7.44379	7.43141	7.45617	0.23520	mg/L	10/13/10	22:45	
61759-1SD	Mn	648.13122	647.40386	648.85858	0.15870	ug/L	10/13/10	22:45	
61759-1SD	Mo	434.75503	433.70022	435.80984	0.34311	ug/L	10/13/10	22:45	
61759-1SD	Na	16863.55273	16930.04882	16797.05664	0.55765	ug/L	10/13/10	22:45	
61759-1SD	Ni	455.21496	453.74066	456.68930	0.45802	ug/L	10/13/10	22:45	
61759-1SD	Pb	460.08001	457.17910	462.98092	0.89169	ug/L	10/13/10	22:45	
61759-1SD	Se	1767.14453	1761.46362	1772.82531	0.45462	ug/L	10/13/10	22:45	
61759-1SD	Sb	414.57434	411.46343	417.68521	1.06119	ug/L	10/13/10	22:45	
61759-1SD	Sn	888.41992	890.11846	886.72143	0.27037	ug/L	10/13/10	22:45	
61759-1SD	Sr	452.35302	452.32131	452.38470	0.00990	ug/L	10/13/10	22:45	
61759-1SD	Ti	851.64294	850.18847	853.09747	0.24152	ug/L	10/13/10	22:45	
61759-1SD	Tl	1808.77929	1810.17175	1807.38671	0.10887	ug/L	10/13/10	22:45	
61759-1SD	V	438.24340	437.80389	438.68295	0.14183	ug/L	10/13/10	22:45	
61759-1SD	Zn	492.33242	491.59744	493.06741	0.21112	ug/L	10/13/10	22:45	
61759-1SD	2203/1	466.46923	463.93884	468.99966	0.76715	ug/L	10/13/10	22:45	
61759-1SD	2203/2	456.89019	453.80432	459.97607	0.95517	ug/L	10/13/10	22:45	
61759-1SD	1960/1	1817.00842	1804.45886	1829.55798	0.97675	ug/L	10/13/10	22:45	
61759-1SD	1960/2	1742.24926	1739.99768	1744.50097	0.18277	ug/L	10/13/10	22:45	
61759-1SD	Y	1104.20935	1104.54956	1103.86914	0.04357		10/13/10	22:45	
61759-2	Ag	-0.24735	-0.75885	0.26414	292.44299	ug/L	10/13/10	22:51	
61759-2	Al	75.63124	77.30945	73.95302	3.13806	ug/L	10/13/10	22:51	
61759-2	2Al	0.07563	0.07731	0.07395	3.13806	mg/L	10/13/10	22:51	
61759-2	As	-2.88411	-2.52945	-3.23876	17.39036	ug/L	10/13/10	22:51	
61759-2	B	32.68332	34.95760	30.40904	9.84084	ug/L	10/13/10	22:51	
61759-2	Ba	24.01790	23.82693	24.20886	1.12442	ug/L	10/13/10	22:51	
61759-2	Be	0.04857	0.01820	0.07893	88.40925	ug/L	10/13/10	22:51	
61759-2	Ca	8984.64062	8970.53027	8998.75000	0.22209	ug/L	10/13/10	22:51	
61759-2	Cd	-0.36160	-0.55013	-0.17307	73.73388	ug/L	10/13/10	22:51	
61759-2	Co	0.32987	1.10671	-0.44695	333.03585	ug/L	10/13/10	22:51	
61759-2	Cr	0.59701	0.19764	0.99638	94.60376	ug/L	10/13/10	22:51	
61759-2	Cu	1.79881	1.95450	1.64311	12.24068	ug/L	10/13/10	22:51	
61759-2	Fe	849.58911	831.86932	867.30889	2.94960	ug/L	10/13/10	22:51	
61759-2	2Fe	0.84948	0.83176	0.86719	2.94954	mg/L	10/13/10	22:51	
61759-2	K	2600.60253	2595.58349	2605.62182	0.27294	ug/L	10/13/10	22:51	
61759-2	Mg	3187.87451	3183.64257	3192.10668	0.18774	ug/L	10/13/10	22:51	
61759-2	2Mg	3.18693	3.18270	3.19115	0.18761	mg/L	10/13/10	22:51	
61759-2	Mn	230.90356	230.66412	231.14299	0.14664	ug/L	10/13/10	22:51	
61759-2	Mo	-1.46279	-1.80817	-1.11742	33.39022	ug/L	10/13/10	22:51	
61759-2	Na	14426.71484	14350.87792	14502.55273	0.74341	ug/L	10/13/10	22:51	
61759-2	Ni	0.42251	-0.37283	1.21786	266.21426	ug/L	10/13/10	22:51	
61759-2	Pb	3.25912	2.95659	3.56165	13.12755	ug/L	10/13/10	22:51	
61759-2	Se	-1.14797	-2.30810	0.01214	142.91737	ug/L	10/13/10	22:51	
61759-2	Sb	-0.78972	-5.84859	4.26915	905.93151	ug/L	10/13/10	22:51	
61759-2	Sn	-2.31433	-5.32842	0.69974	184.18067	ug/L	10/13/10	22:51	
61759-2	Sr	45.31536	45.34254	45.28819	0.08480	ug/L	10/13/10	22:51	
61759-2	Ti	2.44663	2.60268	2.29059	9.01999	ug/L	10/13/10	22:51	
61759-2	Tl	5.15031	0.88693	9.41368	117.06708	ug/L	10/13/10	22:51	
61759-2	V	0.44111	-0.31949	1.20172	243.85311	ug/L	10/13/10	22:51	
61759-2	Zn	13.25353	13.09296	13.41409	1.71328	ug/L	10/13/10	22:51	
61759-2	2203/1	-0.91085	-3.65922	1.83751	426.71743	ug/L	10/13/10	22:51	
61759-2	2203/2	5.34099	6.25954	4.42243	24.32190	ug/L	10/13/10	22:51	
61759-2	1960/1	-2.68342	-0.67244	-4.69440	105.98222	ug/L	10/13/10	22:51	
61759-2	1960/2	-0.38140	-3.12470	2.36189	1017.18652	ug/L	10/13/10	22:51	
61759-2	Y	1096.46459	1094.41918	1098.51000	0.26381		10/13/10	22:51	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	471.34020	471.21902	471.46142	0.03636	ug/L	10/13/10	22:56	
CCV	Al	4825.97705	4827.81689	4824.13720	0.05391	ug/L	10/13/10	22:56	
CCV	2Al	4.82598	4.82773	4.82423	0.05124	mg/L	10/13/10	22:56	
CCV	As	495.22491	498.06039	492.38943	0.80972	ug/L	10/13/10	22:56	
CCV	B	4880.69238	4880.91406	4880.47070	0.00642	ug/L	10/13/10	22:56	
CCV	Ba	4724.39746	4729.49267	4719.30175	0.15252	ug/L	10/13/10	22:56	
CCV	Be	496.60284	496.41467	496.79101	0.05358	ug/L	10/13/10	22:56	
CCV	Ca	5198.34667	5199.99267	5196.70019	0.04478	ug/L	10/13/10	22:56	
CCV	Cd	512.48822	510.95413	514.02233	0.42333	ug/L	10/13/10	22:56	
CCV	Co	507.26098	508.72320	505.79876	0.40765	ug/L	10/13/10	22:56	
CCV	Cr	4985.07324	4988.70703	4981.43945	0.10308	ug/L	10/13/10	22:56	
CCV	Cu	4690.45410	4692.44970	4688.45898	0.06016	ug/L	10/13/10	22:56	
CCV	Fe	5005.19238	4985.36035	5025.02392	0.56034	ug/L	10/13/10	22:56	
CCV	2Fe	5.00519	4.98536	5.02502	0.56026	mg/L	10/13/10	22:56	
CCV	K	9204.79296	9222.01855	9187.56640	0.26465	ug/L	10/13/10	22:56	
CCV	Mg	5374.28027	5368.51367	5380.04687	0.15174	ug/L	10/13/10	22:56	
CCV	2Mg	5.37417	5.36841	5.37993	0.15160	mg/L	10/13/10	22:56	
CCV	Mn	5010.12109	5010.32519	5009.91748	0.00575	ug/L	10/13/10	22:56	
CCV	Mo	495.19671	495.42675	494.96670	0.06569	ug/L	10/13/10	22:56	
CCV	Na	7167.60937	7239.85205	7095.36669	1.42539	ug/L	10/13/10	22:56	
CCV	Ni	2572.49536	2569.89160	2575.09912	0.14314	ug/L	10/13/10	22:56	
CCV	Pb	527.29833	527.23175	527.36499	0.01786	ug/L	10/13/10	22:56	
CCV	Se	4974.50000	4961.17968	4987.82031	0.37868	ug/L	10/13/10	22:56	
CCV	Sb	481.88854	476.25604	487.52105	1.65298	ug/L	10/13/10	22:56	
CCV	Sn	5135.32617	5136.76708	5133.88525	0.03968	ug/L	10/13/10	22:56	
CCV	Sr	2316.09082	2318.01342	2314.16821	0.11739	ug/L	10/13/10	22:56	
CCV	Ti	486.35119	486.10421	486.59814	0.07181	ug/L	10/13/10	22:56	
CCV	Tl	4954.45263	4961.68750	4947.21777	0.20651	ug/L	10/13/10	22:56	
CCV	V	4981.68554	4980.77441	4982.59667	0.02586	ug/L	10/13/10	22:56	
CCV	Zn	2696.72851	2697.74609	2695.71118	0.05335	ug/L	10/13/10	22:56	
CCV	2203/1	537.56884	538.73254	536.40515	0.30614	ug/L	10/13/10	22:56	
CCV	2203/2	522.17083	521.48999	522.85168	0.18439	ug/L	10/13/10	22:56	
CCV	1960/1	5119.97753	5125.18261	5114.77197	0.14377	ug/L	10/13/10	22:56	
CCV	1960/2	4901.87060	4879.30126	4924.43994	0.65113	ug/L	10/13/10	22:56	
CCV	Y	1104.15478	1104.15478	1104.15478	0.00000		10/13/10	22:56	
CCB	Ag	0.19071	-0.02434	0.40578	159.47659	ug/L	10/13/10	23:01	
CCB	Al	-24.66467	-24.67913	-24.65020	0.08293	ug/L	10/13/10	23:01	
CCB	2Al	-0.02466	-0.02467	-0.02465	0.08290	mg/L	10/13/10	23:01	
CCB	As	-1.36471	-2.13167	-0.59775	79.47757	ug/L	10/13/10	23:01	
CCB	B	6.88538	6.79525	6.97552	1.85134	ug/L	10/13/10	23:01	
CCB	Ba	1.11592	0.25689	1.97494	108.86497	ug/L	10/13/10	23:01	
CCB	Be	0.14883	0.05506	0.24259	89.09573	ug/L	10/13/10	23:01	
CCB	Ca	10.79305	9.94886	11.63725	11.06145	ug/L	10/13/10	23:01	
CCB	Cd	-0.24165	-0.48703	0.00372	143.60379	ug/L	10/13/10	23:01	
CCB	Co	-0.59708	-0.55899	-0.63518	9.02202	ug/L	10/13/10	23:01	
CCB	Cr	1.03370	0.31802	1.74938	97.91246	ug/L	10/13/10	23:01	
CCB	Cu	0.77883	0.21658	1.34109	102.09421	ug/L	10/13/10	23:01	
CCB	Fe	-4.23103	-16.63002	8.16794	414.43307	ug/L	10/13/10	23:01	
CCB	2Fe	-0.00423	-0.01662	0.00816	414.42382	mg/L	10/13/10	23:01	
CCB	K	-17.57000	-20.96421	-14.17580	27.32003	ug/L	10/13/10	23:01	
CCB	Mg	2.01016	-2.36414	6.38448	307.74597	ug/L	10/13/10	23:01	
CCB	2Mg	0.00201	-0.00236	0.00638	307.41183	mg/L	10/13/10	23:01	
CCB	Mn	1.32848	0.51405	2.14290	86.69804	ug/L	10/13/10	23:01	
CCB	Mo	-2.19778	-2.58174	-1.81382	24.70691	ug/L	10/13/10	23:01	
CCB	Na	-97.35154	-230.17590	35.47280	192.95225	ug/L	10/13/10	23:01	
CCB	Ni	0.53423	0.24540	0.82307	76.45973	ug/L	10/13/10	23:01	
CCB	Pb	1.99411	1.74018	2.24803	18.00826	ug/L	10/13/10	23:01	
CCB	Se	2.30117	2.93628	1.66606	39.03148	ug/L	10/13/10	23:01	
CCB	Sb	-1.56370	-1.79129	-1.33610	20.58370	ug/L	10/13/10	23:01	
CCB	Sn	-1.90616	-3.60594	-0.20637	126.11013	ug/L	10/13/10	23:01	
CCB	Sr	0.51185	0.10636	0.91734	112.03256	ug/L	10/13/10	23:01	
CCB	Ti	-0.15593	-0.13424	-0.17761	19.66541	ug/L	10/13/10	23:01	
CCB	Tl	7.89896	10.22197	5.57595	41.59063	ug/L	10/13/10	23:01	
CCB	V	0.79705	-0.05862	1.65274	151.82359	ug/L	10/13/10	23:01	
CCB	Zn	1.04874	0.59072	1.50677	61.76364	ug/L	10/13/10	23:01	
CCB	2203/1	1.61308	-0.06662	3.29278	147.26239	ug/L	10/13/10	23:01	
CCB	2203/2	2.18434	2.64223	1.72644	29.64568	ug/L	10/13/10	23:01	
CCB	1960/1	6.61070	3.03725	10.18414	76.44602	ug/L	10/13/10	23:01	
CCB	1960/2	0.14964	2.88587	-2.58659	2585.90966	ug/L	10/13/10	23:01	
CCB	Y	1097.92187	1093.36914	1102.47473	0.58643		10/13/10	23:01	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61759-3	Ag	-0.07897	-0.61417	0.45623	958.43884	ug/L	10/13/10	23:07	
61759-3	Al	157.45327	159.64533	155.26123	1.96885	ug/L	10/13/10	23:07	
61759-3	2Al	0.15745	0.15965	0.15526	1.96885	mg/L	10/13/10	23:07	
61759-3	As	-3.53245	-3.94243	-3.12247	16.41349	ug/L	10/13/10	23:07	
61759-3	B	33.65358	33.51506	33.79211	0.58211	ug/L	10/13/10	23:07	
61759-3	Ba	22.83110	22.80765	22.85455	0.14525	ug/L	10/13/10	23:07	
61759-3	Be	0.03181	0.04339	0.02023	51.48510	ug/L	10/13/10	23:07	
61759-3	Ca	8629.60742	8628.63476	8630.57910	0.01593	ug/L	10/13/10	23:07	
61759-3	Cd	-0.09870	-0.24931	0.05191	215.81117	ug/L	10/13/10	23:07	
61759-3	Co	0.55582	0.76328	0.34837	52.78440	ug/L	10/13/10	23:07	
61759-3	Cr	1.23210	1.31032	1.15389	8.97780	ug/L	10/13/10	23:07	
61759-3	Cu	2.34467	2.12444	2.56491	13.28346	ug/L	10/13/10	23:07	
61759-3	Fe	887.28985	884.41302	890.16668	0.45852	ug/L	10/13/10	23:07	
61759-3	2Fe	0.88717	0.88430	0.89005	0.45851	mg/L	10/13/10	23:07	
61759-3	K	2496.65234	2505.57788	2487.72705	0.50557	ug/L	10/13/10	23:07	
61759-3	Mg	3078.58105	3084.74169	3072.42016	0.28300	ug/L	10/13/10	23:07	
61759-3	2Mg	3.07765	3.08381	3.07149	0.28302	mg/L	10/13/10	23:07	
61759-3	Mn	221.06161	220.92175	221.20149	0.08947	ug/L	10/13/10	23:07	
61759-3	Mo	-2.77449	-2.19821	-3.35078	29.37411	ug/L	10/13/10	23:07	
61759-3	Na	13829.77148	13890.36523	13769.17773	0.61962	ug/L	10/13/10	23:07	
61759-3	Ni	1.56343	1.37755	1.74932	16.81437	ug/L	10/13/10	23:07	
61759-3	Pb	3.26903	3.18041	3.35764	3.83357	ug/L	10/13/10	23:07	
61759-3	Se	0.76810	2.10103	-0.56482	245.41633	ug/L	10/13/10	23:07	
61759-3	Sb	-3.89366	-2.56753	-5.21978	48.16599	ug/L	10/13/10	23:07	
61759-3	Sn	-4.21470	-4.25963	-4.16976	1.50773	ug/L	10/13/10	23:07	
61759-3	Sr	43.32701	43.32528	43.32875	0.00565	ug/L	10/13/10	23:07	
61759-3	Ti	3.68839	3.82334	3.55343	5.17460	ug/L	10/13/10	23:07	
61759-3	Tl	5.65963	6.24481	5.07445	14.62231	ug/L	10/13/10	23:07	
61759-3	V	0.59224	0.49007	0.69442	24.39811	ug/L	10/13/10	23:07	
61759-3	Zn	11.89237	11.75387	12.03087	1.64702	ug/L	10/13/10	23:07	
61759-3	2203/1	1.95985	-0.55561	4.47532	181.51388	ug/L	10/13/10	23:07	
61759-3	2203/2	3.92264	5.04563	2.79964	40.48679	ug/L	10/13/10	23:07	
61759-3	1960/1	-4.15563	-4.95281	-3.35845	27.12909	ug/L	10/13/10	23:07	
61759-3	1960/2	3.22628	5.62267	0.82988	105.04389	ug/L	10/13/10	23:07	
61759-3	Y	1102.30261	1103.71801	1100.88720	0.18159		10/13/10	23:07	
61759-4	Ag	0.05302	0.09745	0.00858	118.52376	ug/L	10/13/10	23:12	
61759-4	Al	147.62977	149.56434	145.69520	1.85321	ug/L	10/13/10	23:12	
61759-4	2Al	0.14763	0.14956	0.14569	1.85323	mg/L	10/13/10	23:12	
61759-4	As	1.90377	3.63513	0.17242	128.61291	ug/L	10/13/10	23:12	
61759-4	B	28.97127	29.37539	28.56716	1.97265	ug/L	10/13/10	23:12	
61759-4	Ba	22.60668	22.57386	22.63951	0.20532	ug/L	10/13/10	23:12	
61759-4	Be	0.02208	0.02714	0.01702	32.39643	ug/L	10/13/10	23:12	
61759-4	Ca	8484.41406	8466.39355	8502.43457	0.30037	ug/L	10/13/10	23:12	
61759-4	Cd	-0.17431	-0.26089	-0.08772	70.24649	ug/L	10/13/10	23:12	
61759-4	Co	-0.25682	0.23533	-0.74898	271.00634	ug/L	10/13/10	23:12	
61759-4	Cr	0.37332	0.62754	0.11910	96.30385	ug/L	10/13/10	23:12	
61759-4	Cu	1.91263	1.26292	2.56235	48.04005	ug/L	10/13/10	23:12	
61759-4	Fe	885.25549	881.76654	888.74444	0.55736	ug/L	10/13/10	23:12	
61759-4	2Fe	0.88514	0.88165	0.88863	0.55734	mg/L	10/13/10	23:12	
61759-4	K	2417.78881	2416.35546	2419.22216	0.08383	ug/L	10/13/10	23:12	
61759-4	Mg	3027.34106	3017.30346	3037.37866	0.46890	ug/L	10/13/10	23:12	
61759-4	2Mg	3.02643	3.01639	3.03646	0.46889	mg/L	10/13/10	23:12	
61759-4	Mn	220.52001	220.05007	220.98997	0.30138	ug/L	10/13/10	23:12	
61759-4	Mo	-3.34112	-2.80809	-3.87415	22.56178	ug/L	10/13/10	23:12	
61759-4	Na	13431.34765	13230.37500	13632.31933	2.11607	ug/L	10/13/10	23:12	
61759-4	Ni	0.69376	-0.63984	2.02737	271.85086	ug/L	10/13/10	23:12	
61759-4	Pb	1.24434	1.72712	0.76156	54.86856	ug/L	10/13/10	23:12	
61759-4	Se	0.72075	2.47396	-1.03245	343.99993	ug/L	10/13/10	23:12	
61759-4	Sb	-6.65813	-4.31634	-8.99992	49.74044	ug/L	10/13/10	23:12	
61759-4	Sn	-6.24928	-6.67234	-5.82622	9.57388	ug/L	10/13/10	23:12	
61759-4	Sr	42.30413	42.34059	42.26768	0.12187	ug/L	10/13/10	23:12	
61759-4	Ti	3.16734	3.29266	3.04203	5.59527	ug/L	10/13/10	23:12	
61759-4	Tl	4.44945	4.80123	4.09768	11.18079	ug/L	10/13/10	23:12	
61759-4	V	0.20379	-0.29982	0.70741	349.47814	ug/L	10/13/10	23:12	
61759-4	Zn	11.69026	11.73587	11.64464	0.55184	ug/L	10/13/10	23:12	
61759-4	2203/1	-2.64108	-5.13280	-0.14936	133.42350	ug/L	10/13/10	23:12	
61759-4	2203/2	3.18414	5.15193	1.21634	87.39837	ug/L	10/13/10	23:12	
61759-4	1960/1	-4.42788	-3.66675	-5.18901	24.30969	ug/L	10/13/10	23:12	
61759-4	1960/2	3.29122	5.53972	1.04271	96.61655	ug/L	10/13/10	23:12	
61759-4	Y	1117.86352	1122.10559	1113.62158	0.53665		10/13/10	23:12	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61759-5	Ag	0.17053	-0.13869	0.47976	256.44204	ug/L	10/13/10	23:17	
61759-5	Al	122.69696	126.91302	118.48088	4.85946	ug/L	10/13/10	23:17	
61759-5	2Al	0.12270	0.12691	0.11848	4.85945	mg/L	10/13/10	23:17	
61759-5	As	-1.71262	-1.32588	-2.09936	31.93537	ug/L	10/13/10	23:17	
61759-5	B	32.08419	33.37117	30.79722	5.67275	ug/L	10/13/10	23:17	
61759-5	Ba	22.91919	22.89853	22.93985	0.12747	ug/L	10/13/10	23:17	
61759-5	Be	0.02289	0.02601	0.01977	19.26817	ug/L	10/13/10	23:17	
61759-5	Ca	8695.12500	8706.71191	8683.53710	0.18846	ug/L	10/13/10	23:17	
61759-5	Cd	-0.12318	0.02490	-0.27128	170.01788	ug/L	10/13/10	23:17	
61759-5	Co	0.66039	1.02775	0.29302	78.66989	ug/L	10/13/10	23:17	
61759-5	Cr	0.84471	1.60922	0.08020	127.99314	ug/L	10/13/10	23:17	
61759-5	Cu	2.57849	2.86532	2.29167	15.73126	ug/L	10/13/10	23:17	
61759-5	Fe	852.92895	858.03131	847.82653	0.84601	ug/L	10/13/10	23:17	
61759-5	2Fe	0.85282	0.85792	0.84771	0.84602	mg/L	10/13/10	23:17	
61759-5	K	2472.58276	2483.20874	2461.95678	0.60776	ug/L	10/13/10	23:17	
61759-5	Mg	3104.04394	3107.01342	3101.07446	0.13529	ug/L	10/13/10	23:17	
61759-5	2Mg	3.10312	3.10608	3.10015	0.13526	mg/L	10/13/10	23:17	
61759-5	Mn	223.43695	223.57646	223.29743	0.08830	ug/L	10/13/10	23:17	
61759-5	Mo	-1.97711	-2.05184	-1.90237	5.34579	ug/L	10/13/10	23:17	
61759-5	Na	13672.77539	13942.58105	13402.96972	2.79067	ug/L	10/13/10	23:17	
61759-5	Ni	1.33843	1.30990	1.36696	3.01458	ug/L	10/13/10	23:17	
61759-5	Pb	1.67101	1.68182	1.66021	0.91470	ug/L	10/13/10	23:17	
61759-5	Se	-2.77442	-4.35036	-1.19848	80.33088	ug/L	10/13/10	23:17	
61759-5	Sb	-2.84285	-6.69393	1.00822	191.57695	ug/L	10/13/10	23:17	
61759-5	Sn	-6.51768	-8.18116	-4.85421	36.09421	ug/L	10/13/10	23:17	
61759-5	Sr	43.52072	43.69487	43.34658	0.56589	ug/L	10/13/10	23:17	
61759-5	Ti	2.81417	2.96663	2.66171	7.66150	ug/L	10/13/10	23:17	
61759-5	Tl	0.39631	0.53467	0.25795	49.37298	ug/L	10/13/10	23:17	
61759-5	V	-0.73837	-0.53352	-0.94321	39.23485	ug/L	10/13/10	23:17	
61759-5	Zn	11.88009	11.83802	11.92217	0.50084	ug/L	10/13/10	23:17	
61759-5	2203/1	-6.28679	-7.22293	-5.35064	21.05861	ug/L	10/13/10	23:17	
61759-5	2203/2	5.64395	6.12753	5.16038	12.11701	ug/L	10/13/10	23:17	
61759-5	1960/1	-9.06547	-10.51805	-7.61289	22.66023	ug/L	10/13/10	23:17	
61759-5	1960/2	0.36638	-1.27115	2.00391	632.07867	ug/L	10/13/10	23:17	
61759-5	Y	1119.97192	1118.38439	1121.55957	0.20046		10/13/10	23:17	
61761-1	Ag	-2.74732	-0.13541	-5.35923	134.45074	ug/L	10/13/10	23:23	
61761-1	Al	841.84155	833.19549	850.48754	1.45245	ug/L	10/13/10	23:23	
61761-1	2Al	0.84186	0.83322	0.85051	1.45245	mg/L	10/13/10	23:23	
61761-1	As	4.58229	2.55017	6.61441	62.71638	ug/L	10/13/10	23:23	
61761-1	B	9.38308	7.74225	11.02390	24.73046	ug/L	10/13/10	23:23	
61761-1	Ba	14.02074	14.74382	13.29767	7.29337	ug/L	10/13/10	23:23	
61761-1	Be	-0.06204	0.09748	-0.22158	363.61621	ug/L	10/13/10	23:23	
61761-1	Ca	2992.57299	3013.04589	2972.10009	0.96749	ug/L	10/13/10	23:23	
61761-1	Cd	-1.00267	-0.39315	-1.61219	85.96878	ug/L	10/13/10	23:23	
61761-1	Co	2.02036	0.85297	3.18776	81.71517	ug/L	10/13/10	23:23	
61761-1	Cr	2.51408	1.26192	3.76624	70.43601	ug/L	10/13/10	23:23	
61761-1	Cu	2.90997	1.21918	4.60077	82.17060	ug/L	10/13/10	23:23	
61761-1	Fe	1375.76074	1446.21557	1305.30603	7.24239	ug/L	10/13/10	23:23	
61761-1	2Fe	1.37558	1.44603	1.30514	7.24240	mg/L	10/13/10	23:23	
61761-1	K	2528.55957	2616.67407	2440.44482	4.92821	ug/L	10/13/10	23:23	
61761-1	Mg	1530.91674	1534.33032	1527.50317	0.31533	ug/L	10/13/10	23:23	
61761-1	2Mg	1.53031	1.53371	1.52691	0.31424	mg/L	10/13/10	23:23	
61761-1	Mn	163.36975	163.70658	163.03289	0.29159	ug/L	10/13/10	23:23	
61761-1	Mo	-4.91733	-2.50570	-7.32895	69.35791	ug/L	10/13/10	23:23	
61761-1	Na	3775.18505	4476.28076	3074.08935	26.26358	ug/L	10/13/10	23:23	
61761-1	Ni	-2.82250	1.70121	-7.34622	226.66061	ug/L	10/13/10	23:23	
61761-1	Pb	2.17886	1.62785	2.72987	35.76393	ug/L	10/13/10	23:23	
61761-1	Se	-12.30368	-1.52057	-23.08679	123.94349	ug/L	10/13/10	23:23	
61761-1	Sb	-17.33464	-2.39702	-32.27225	121.86566	ug/L	10/13/10	23:23	
61761-1	Sn	-15.04290	-4.43277	-25.65304	99.74800	ug/L	10/13/10	23:23	
61761-1	Sr	16.30670	16.18782	16.42558	1.03099	ug/L	10/13/10	23:23	
61761-1	Ti	23.89289	23.78948	23.99629	0.61206	ug/L	10/13/10	23:23	
61761-1	Tl	-7.29598	4.29172	-18.88369	224.60989	ug/L	10/13/10	23:23	
61761-1	V	-0.69732	3.13107	-4.52572	776.42108	ug/L	10/13/10	23:23	
61761-1	Zn	12.76235	12.37998	13.14472	4.23710	ug/L	10/13/10	23:23	
61761-1	2203/1	-17.10433	1.30709	-35.51575	152.22865	ug/L	10/13/10	23:23	
61761-1	2203/2	11.80600	1.78798	21.82401	120.00347	ug/L	10/13/10	23:23	
61761-1	1960/1	-24.86140	-0.39373	-49.32907	139.18165	ug/L	10/13/10	23:23	
61761-1	1960/2	-6.03423	-2.08315	-9.98530	92.59945	ug/L	10/13/10	23:23	
61761-1	Y	1109.50134	1113.29394	1105.70874	0.48341		10/13/10	23:23	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61761-2	Ag	-0.00171	-0.75929	0.75586	62452.71484	ug/L	10/13/10	23:28	
61761-2	Al	509.10348	510.82559	507.38137	0.47837	ug/L	10/13/10	23:28	
61761-2	2Al	0.50911	0.51084	0.50739	0.47837	mg/L	10/13/10	23:28	
61761-2	As	-0.32794	-0.11647	-0.53941	91.19331	ug/L	10/13/10	23:28	
61761-2	B	1.84685	1.90327	1.79044	4.31961	ug/L	10/13/10	23:28	
61761-2	Ba	24.02708	23.96039	24.09377	0.39253	ug/L	10/13/10	23:28	
61761-2	Be	0.05256	0.04937	0.05576	8.59658	ug/L	10/13/10	23:28	
61761-2	Ca	1229.66503	1229.61816	1229.71179	0.00538	ug/L	10/13/10	23:28	
61761-2	Cd	-0.17740	0.01195	-0.36676	150.95137	ug/L	10/13/10	23:28	
61761-2	Co	0.43434	0.87541	-0.00671	143.60614	ug/L	10/13/10	23:28	
61761-2	Cr	2.45624	2.43227	2.48020	1.37963	ug/L	10/13/10	23:28	
61761-2	Cu	5.47482	4.98225	5.96739	12.72372	ug/L	10/13/10	23:28	
61761-2	Fe	950.29083	945.71362	954.86804	0.68117	ug/L	10/13/10	23:28	
61761-2	2Fe	0.95017	0.94559	0.95474	0.68115	mg/L	10/13/10	23:28	
61761-2	K	390.02008	382.52163	397.51849	2.71893	ug/L	10/13/10	23:28	
61761-2	Mg	215.55831	218.09005	213.02656	1.66100	ug/L	10/13/10	23:28	
61761-2	2Mg	0.21534	0.21787	0.21281	1.66272	mg/L	10/13/10	23:28	
61761-2	Mn	31.72184	31.75634	31.68735	0.15379	ug/L	10/13/10	23:28	
61761-2	Mo	-1.84717	-2.81277	-0.88157	73.92725	ug/L	10/13/10	23:28	
61761-2	Na	115.78897	84.70719	146.87075	37.96239	ug/L	10/13/10	23:28	
61761-2	Ni	1.29750	1.51187	1.08314	23.36479	ug/L	10/13/10	23:28	
61761-2	Pb	6.23124	6.95212	5.51036	16.36079	ug/L	10/13/10	23:28	
61761-2	Se	-0.88746	0.00309	-1.77803	141.91462	ug/L	10/13/10	23:28	
61761-2	Sb	-3.29961	-0.74446	-5.85477	109.51371	ug/L	10/13/10	23:28	
61761-2	Sn	-4.68489	-7.11148	-2.25830	73.25074	ug/L	10/13/10	23:28	
61761-2	Sr	3.83115	3.84666	3.81564	0.57265	ug/L	10/13/10	23:28	
61761-2	Ti	31.73856	31.60676	31.87036	0.58728	ug/L	10/13/10	23:28	
61761-2	Tl	-2.83215	-3.69674	-1.96756	43.17258	ug/L	10/13/10	23:28	
61761-2	V	3.57860	3.54385	3.61335	1.37330	ug/L	10/13/10	23:28	
61761-2	Zn	130.58795	130.29570	130.88018	0.31648	ug/L	10/13/10	23:28	
61761-2	2203/1	2.20546	-0.14464	4.55558	150.69627	ug/L	10/13/10	23:28	
61761-2	2203/2	8.24111	10.49519	5.98703	38.68101	ug/L	10/13/10	23:28	
61761-2	1960/1	-3.47884	-5.08452	-1.87317	65.27367	ug/L	10/13/10	23:28	
61761-2	1960/2	0.40627	2.54309	-1.73053	743.80242	ug/L	10/13/10	23:28	
61761-2	Y	1097.44311	1099.37512	1095.51110	0.24896		10/13/10	23:28	
61761-3	Ag	0.12834	0.37173	-0.11504	268.18869	ug/L	10/13/10	23:33	
61761-3	Al	308.08135	306.90554	309.25720	0.53975	ug/L	10/13/10	23:33	
61761-3	2Al	0.30809	0.30691	0.30926	0.53975	mg/L	10/13/10	23:33	
61761-3	As	-4.91836	-5.78799	-4.04873	25.00505	ug/L	10/13/10	23:33	
61761-3	B	3.51054	2.82828	4.19280	27.48465	ug/L	10/13/10	23:33	
61761-3	Ba	13.24690	13.22988	13.26392	0.18167	ug/L	10/13/10	23:33	
61761-3	Be	0.04894	0.08382	0.01406	100.78133	ug/L	10/13/10	23:33	
61761-3	Ca	2556.37182	2552.46948	2560.27416	0.21588	ug/L	10/13/10	23:33	
61761-3	Cd	-0.55857	-0.47522	-0.64191	21.10094	ug/L	10/13/10	23:33	
61761-3	Co	0.51652	0.78450	0.24854	73.37068	ug/L	10/13/10	23:33	
61761-3	Cr	1.40730	2.25158	0.56301	84.84290	ug/L	10/13/10	23:33	
61761-3	Cu	2.79848	2.98052	2.61645	9.19924	ug/L	10/13/10	23:33	
61761-3	Fe	614.71209	624.74475	604.67944	2.30812	ug/L	10/13/10	23:33	
61761-3	2Fe	0.61463	0.62466	0.60460	2.30815	mg/L	10/13/10	23:33	
61761-3	K	788.51464	802.62603	774.40332	2.53089	ug/L	10/13/10	23:33	
61761-3	Mg	733.96661	734.64495	733.28826	0.13070	ug/L	10/13/10	23:33	
61761-3	2Mg	0.73370	0.73437	0.73302	0.13036	mg/L	10/13/10	23:33	
61761-3	Mn	107.37997	107.39424	107.36570	0.01879	ug/L	10/13/10	23:33	
61761-3	Mo	-2.46880	-1.18296	-3.75465	73.65738	ug/L	10/13/10	23:33	
61761-3	Na	1101.52709	1256.75488	946.29943	19.92916	ug/L	10/13/10	23:33	
61761-3	Ni	0.90054	1.22113	0.57996	50.34469	ug/L	10/13/10	23:33	
61761-3	Pb	3.73175	0.80771	6.65579	110.81168	ug/L	10/13/10	23:33	
61761-3	Se	-4.06259	0.20807	-8.33325	148.66450	ug/L	10/13/10	23:33	
61761-3	Sb	-2.09025	0.84258	-5.02310	198.42819	ug/L	10/13/10	23:33	
61761-3	Sn	-5.39831	-3.07720	-7.71941	60.80670	ug/L	10/13/10	23:33	
61761-3	Sr	7.85488	7.81755	7.89221	0.67206	ug/L	10/13/10	23:33	
61761-3	Ti	13.41402	13.20814	13.61991	2.17060	ug/L	10/13/10	23:33	
61761-3	Tl	-1.79845	-6.28017	2.68326	352.41900	ug/L	10/13/10	23:33	
61761-3	V	4.16007	4.63485	3.68528	16.14028	ug/L	10/13/10	23:33	
61761-3	Zn	31.06786	30.94048	31.19523	0.57981	ug/L	10/13/10	23:33	
61761-3	2203/1	2.06829	2.14751	1.98906	5.41717	ug/L	10/13/10	23:33	
61761-3	2203/2	4.56223	0.13881	8.98565	137.11837	ug/L	10/13/10	23:33	
61761-3	1960/1	-1.11904	5.01526	-7.25335	775.23443	ug/L	10/13/10	23:33	
61761-3	1960/2	-5.53215	-2.19192	-8.87239	85.38816	ug/L	10/13/10	23:33	
61761-3	Y	1086.08642	1089.45471	1082.71801	0.43859		10/13/10	23:33	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61761-4	Ag	-0.05107	0.07201	-0.17416	340.83889	ug/L	10/13/10	23:39	
61761-4	Al	30.15847	28.06902	32.24791	9.79797	ug/L	10/13/10	23:39	
61761-4	2Al	0.03015	0.02806	0.03224	9.79795	mg/L	10/13/10	23:39	
61761-4	As	2.06512	1.69817	2.43206	25.12860	ug/L	10/13/10	23:39	
61761-4	B	4.37429	3.16942	5.57916	38.95357	ug/L	10/13/10	23:39	
61761-4	Ba	6.40875	6.42333	6.39418	0.32165	ug/L	10/13/10	23:39	
61761-4	Be	-0.00722	-0.01147	-0.00297	83.16484	ug/L	10/13/10	23:39	
61761-4	Ca	4182.47607	4181.37207	4183.58007	0.03732	ug/L	10/13/10	23:39	
61761-4	Cd	-0.30792	-0.27030	-0.34555	17.27957	ug/L	10/13/10	23:39	
61761-4	Co	-0.02013	0.43699	-0.47725	3211.18090	ug/L	10/13/10	23:39	
61761-4	Cr	0.43772	0.39806	0.47738	12.81319	ug/L	10/13/10	23:39	
61761-4	Cu	1.03253	1.35711	0.70796	44.45547	ug/L	10/13/10	23:39	
61761-4	Fe	381.84356	382.90664	380.78045	0.39373	ug/L	10/13/10	23:39	
61761-4	2Fe	0.38179	0.38285	0.38073	0.39380	mg/L	10/13/10	23:39	
61761-4	K	1280.91015	1278.65747	1283.16284	0.24871	ug/L	10/13/10	23:39	
61761-4	Mg	1758.78356	1756.71777	1760.84936	0.16610	ug/L	10/13/10	23:39	
61761-4	2Mg	1.75828	1.75621	1.76034	0.16612	mg/L	10/13/10	23:39	
61761-4	Mn	132.18798	132.15548	132.22050	0.03477	ug/L	10/13/10	23:39	
61761-4	Mo	-3.81737	-4.12779	-3.50695	11.50004	ug/L	10/13/10	23:39	
61761-4	Na	1471.81005	1571.37878	1372.24145	9.56722	ug/L	10/13/10	23:39	
61761-4	Ni	-0.57400	0.11323	-1.26124	169.31982	ug/L	10/13/10	23:39	
61761-4	Pb	1.90269	2.07799	1.72738	13.03002	ug/L	10/13/10	23:39	
61761-4	Se	-5.34699	-3.18267	-7.51130	57.24335	ug/L	10/13/10	23:39	
61761-4	Sb	-4.12914	-5.43135	-2.82693	44.60007	ug/L	10/13/10	23:39	
61761-4	Sn	-6.25197	-5.88515	-6.61880	8.29756	ug/L	10/13/10	23:39	
61761-4	Sr	13.77132	13.79253	13.75010	0.21782	ug/L	10/13/10	23:39	
61761-4	Ti	0.85060	0.91676	0.78443	11.00083	ug/L	10/13/10	23:39	
61761-4	Tl	-2.01574	-1.96545	-2.06604	3.52855	ug/L	10/13/10	23:39	
61761-4	V	0.63296	0.71145	0.55448	17.53556	ug/L	10/13/10	23:39	
61761-4	Zn	9.23599	9.00134	9.47063	3.59284	ug/L	10/13/10	23:39	
61761-4	2203/1	-3.52618	-3.08178	-3.97058	17.82294	ug/L	10/13/10	23:39	
61761-4	2203/2	4.61306	4.65402	4.57209	1.25583	ug/L	10/13/10	23:39	
61761-4	1960/1	-9.94326	-5.52077	-14.36575	62.90031	ug/L	10/13/10	23:39	
61761-4	1960/2	-3.05229	-2.01538	-4.08921	48.04303	ug/L	10/13/10	23:39	
61761-4	Y	1096.63256	1095.20031	1098.06481	0.18470		10/13/10	23:39	
61890-1	Ag	-2.69837	-4.93512	-0.46163	117.22740	ug/L	10/13/10	23:44	
61890-1	Al	2850.64208	2848.00048	2853.28393	0.13105	ug/L	10/13/10	23:44	
61890-1	2Al	2.85062	2.84787	2.85336	0.13634	mg/L	10/13/10	23:44	
61890-1	As	-1.75364	-2.43548	-1.07181	54.98620	ug/L	10/13/10	23:44	
61890-1	B	34.21496	34.46518	33.96474	1.03423	ug/L	10/13/10	23:44	
61890-1	Ba	-0.05000	-0.45631	0.35630	1149.08386	ug/L	10/13/10	23:44	
61890-1	Be	-0.06209	-0.14050	0.01631	178.56643	ug/L	10/13/10	23:44	
61890-1	Ca	2353.47021	2349.90283	2357.03735	0.21435	ug/L	10/13/10	23:44	
61890-1	Cd	-0.62536	-1.06294	-0.18777	98.95728	ug/L	10/13/10	23:44	
61890-1	Co	-0.60929	-0.56730	-0.65129	9.74812	ug/L	10/13/10	23:44	
61890-1	Cr	0.72895	-0.03486	1.49277	148.18515	ug/L	10/13/10	23:44	
61890-1	Cu	4.37354	3.68602	5.06106	22.23141	ug/L	10/13/10	23:44	
61890-1	Fe	68.90179	39.47607	98.32750	60.39646	ug/L	10/13/10	23:44	
61890-1	2Fe	0.06889	0.03947	0.09831	60.39720	mg/L	10/13/10	23:44	
61890-1	K	18025.65234	17976.48632	18074.81835	0.38573	ug/L	10/13/10	23:44	
61890-1	Mg	1051.74926	1050.31188	1053.18676	0.19328	ug/L	10/13/10	23:44	
61890-1	2Mg	1.05144	1.05001	1.05287	0.19258	mg/L	10/13/10	23:44	
61890-1	Mn	3.17297	3.16470	3.18123	0.36838	ug/L	10/13/10	23:44	
61890-1	Mo	36.35588	33.96870	38.74304	9.28589	ug/L	10/13/10	23:44	
61890-1	Na	4134017.25000	4136859.25000	4131175.25000	0.09722	ug/L	10/13/10	23:44	
61890-1	Ni	2.07350	0.26987	3.87714	123.01499	ug/L	10/13/10	23:44	
61890-1	Pb	1.24813	3.46249	-0.96621	250.89904	ug/L	10/13/10	23:44	
61890-1	Se	-1.33367	-8.22350	5.55614	730.58721	ug/L	10/13/10	23:44	
61890-1	Sb	-10.60262	-17.69355	-3.51170	94.58103	ug/L	10/13/10	23:44	
61890-1	Sn	26.14729	22.76007	29.53451	18.32026	ug/L	10/13/10	23:44	
61890-1	Sr	4.81085	4.78284	4.83885	0.82334	ug/L	10/13/10	23:44	
61890-1	Ti	-0.30962	-0.56041	-0.05884	114.54400	ug/L	10/13/10	23:44	
61890-1	Tl	-0.95410	-12.57897	10.67076	1723.08666	ug/L	10/13/10	23:44	
61890-1	V	-0.00049	-2.62016	2.61917	747964.12500	ug/L	10/13/10	23:44	
61890-1	Zn	7.13806	6.75725	7.51887	7.54474	ug/L	10/13/10	23:44	
61890-1	2203/1	-12.62912	-23.99548	-1.26276	127.28087	ug/L	10/13/10	23:44	
61890-1	2203/2	8.17636	17.17090	-0.81816	155.57258	ug/L	10/13/10	23:44	
61890-1	1960/1	-13.29337	-26.36719	-0.21954	139.08573	ug/L	10/13/10	23:44	
61890-1	1960/2	4.63720	0.83474	8.43966	115.96403	ug/L	10/13/10	23:44	
61890-1	Y	946.79754	945.05035	948.54473	0.26097		10/13/10	23:44	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	475.19848	475.31072	475.08624	0.03340	ug/L	10/13/10	23:49	
CCV	Al	4862.38330	4858.48388	4866.28271	0.11341	ug/L	10/13/10	23:49	
CCV	2Al	4.86220	4.85858	4.86582	0.10539	mg/L	10/13/10	23:49	
CCV	As	495.85156	491.69070	500.01242	1.18671	ug/L	10/13/10	23:49	
CCV	B	4903.45898	4906.74316	4900.17431	0.09472	ug/L	10/13/10	23:49	
CCV	Ba	4755.25097	4757.61035	4752.89160	0.07016	ug/L	10/13/10	23:49	
CCV	Be	499.71963	499.45562	499.98364	0.07471	ug/L	10/13/10	23:49	
CCV	Ca	5224.67480	5231.30810	5218.04150	0.17955	ug/L	10/13/10	23:49	
CCV	Cd	517.63488	518.28228	516.98754	0.17686	ug/L	10/13/10	23:49	
CCV	Co	510.87857	512.32141	509.43572	0.39940	ug/L	10/13/10	23:49	
CCV	Cr	5019.79003	5023.89404	5015.68603	0.11562	ug/L	10/13/10	23:49	
CCV	Cu	4720.83398	4724.56835	4717.09960	0.11187	ug/L	10/13/10	23:49	
CCV	Fe	5028.28613	5051.60546	5004.96679	0.65586	ug/L	10/13/10	23:49	
CCV	2Fe	5.02828	5.05160	5.00496	0.65579	mg/L	10/13/10	23:49	
CCV	K	9339.39648	9351.24902	9327.54492	0.17946	ug/L	10/13/10	23:49	
CCV	Mg	5395.75292	5411.34277	5380.16259	0.40861	ug/L	10/13/10	23:49	
CCV	2Mg	5.39565	5.41123	5.38006	0.40844	mg/L	10/13/10	23:49	
CCV	Mn	5036.64550	5040.87451	5032.41601	0.11875	ug/L	10/13/10	23:49	
CCV	Mo	500.16693	498.79055	501.54330	0.38916	ug/L	10/13/10	23:49	
CCV	Na	7535.70312	7413.40576	7658.00000	2.29513	ug/L	10/13/10	23:49	
CCV	Ni	2584.03613	2588.23706	2579.83520	0.22991	ug/L	10/13/10	23:49	
CCV	Pb	530.52929	532.93438	528.12426	0.64110	ug/L	10/13/10	23:49	
CCV	Se	5015.50244	5036.24414	4994.76074	0.58485	ug/L	10/13/10	23:49	
CCV	Sb	475.88500	473.49539	478.27462	0.71013	ug/L	10/13/10	23:49	
CCV	Sn	5150.12597	5160.37890	5139.87353	0.28153	ug/L	10/13/10	23:49	
CCV	Sr	2335.64379	2334.01074	2337.27685	0.09888	ug/L	10/13/10	23:49	
CCV	Ti	488.73205	489.29110	488.17297	0.16177	ug/L	10/13/10	23:49	
CCV	Tl	4986.87597	4983.69921	4990.05224	0.09008	ug/L	10/13/10	23:49	
CCV	V	5004.53759	5009.83300	4999.24218	0.14964	ug/L	10/13/10	23:49	
CCV	Zn	2706.89746	2711.50927	2702.28564	0.24094	ug/L	10/13/10	23:49	
CCV	2203/1	537.20544	540.28594	534.12500	0.81094	ug/L	10/13/10	23:49	
CCV	2203/2	527.19622	529.26409	525.12835	0.55471	ug/L	10/13/10	23:49	
CCV	1960/1	5150.22460	5157.23046	5143.21923	0.19236	ug/L	10/13/10	23:49	
CCV	1960/2	4948.24218	4975.84130	4920.64306	0.78878	ug/L	10/13/10	23:49	
CCV	Y	1095.59936	1096.57800	1094.62072	0.12632		10/13/10	23:49	
CCB	Ag	-0.41835	-0.12583	-0.71087	98.88537	ug/L	10/13/10	23:54	
CCB	Al	-25.39730	-28.83036	-21.96424	19.11654	ug/L	10/13/10	23:54	
CCB	2Al	-0.02539	-0.02883	-0.02196	19.11650	mg/L	10/13/10	23:54	
CCB	As	-0.65565	-2.01127	0.69997	292.40158	ug/L	10/13/10	23:54	
CCB	B	7.13177	7.01147	7.25208	2.38558	ug/L	10/13/10	23:54	
CCB	Ba	0.82662	0.07390	1.57933	128.77687	ug/L	10/13/10	23:54	
CCB	Be	0.13118	0.06429	0.19808	72.11198	ug/L	10/13/10	23:54	
CCB	Ca	10.39552	9.09602	11.69503	17.67849	ug/L	10/13/10	23:54	
CCB	Cd	-0.15811	-0.28398	-0.03224	112.58425	ug/L	10/13/10	23:54	
CCB	Co	0.70769	1.05725	0.35814	69.85276	ug/L	10/13/10	23:54	
CCB	Cr	1.29336	0.87607	1.71064	45.62741	ug/L	10/13/10	23:54	
CCB	Cu	0.62678	0.46155	0.79201	37.28041	ug/L	10/13/10	23:54	
CCB	Fe	-16.76289	-15.65717	-17.86861	9.32851	ug/L	10/13/10	23:54	
CCB	2Fe	-0.01676	-0.01565	-0.01786	9.32926	mg/L	10/13/10	23:54	
CCB	K	-25.62657	-23.59807	-27.65506	11.19432	ug/L	10/13/10	23:54	
CCB	Mg	2.03260	0.57533	3.48988	101.39175	ug/L	10/13/10	23:54	
CCB	2Mg	0.00203	0.00057	0.00349	101.25205	mg/L	10/13/10	23:54	
CCB	Mn	1.30997	0.57134	2.04860	79.74083	ug/L	10/13/10	23:54	
CCB	Mo	-0.81002	0.50052	-2.12056	228.80699	ug/L	10/13/10	23:54	
CCB	Na	-169.69955	-145.29214	-194.10697	20.34024	ug/L	10/13/10	23:54	
CCB	Ni	0.44888	-0.31237	1.21014	239.83648	ug/L	10/13/10	23:54	
CCB	Pb	2.69419	0.76410	4.62429	101.31259	ug/L	10/13/10	23:54	
CCB	Se	4.12304	3.38181	4.86428	25.42441	ug/L	10/13/10	23:54	
CCB	Sb	-5.17059	-4.20932	-6.13185	26.29164	ug/L	10/13/10	23:54	
CCB	Sn	-4.05986	-5.83523	-2.28449	61.84331	ug/L	10/13/10	23:54	
CCB	Sr	0.49613	0.13754	0.85472	102.21353	ug/L	10/13/10	23:54	
CCB	Ti	0.04882	0.12455	-0.02689	219.33178	ug/L	10/13/10	23:54	
CCB	Tl	3.60632	0.88028	6.33236	106.90110	ug/L	10/13/10	23:54	
CCB	V	-0.44234	-0.82120	-0.06347	121.12655	ug/L	10/13/10	23:54	
CCB	Zn	1.10969	0.95695	1.26242	19.46467	ug/L	10/13/10	23:54	
CCB	2203/1	-0.49207	-0.72575	-0.25838	67.16103	ug/L	10/13/10	23:54	
CCB	2203/2	4.28494	1.50792	7.06196	91.65354	ug/L	10/13/10	23:54	
CCB	1960/1	1.27264	4.72643	-2.18113	383.79766	ug/L	10/13/10	23:54	
CCB	1960/2	5.54611	2.71051	8.38170	72.30546	ug/L	10/13/10	23:54	
CCB	Y	1100.07226	1098.69470	1101.44995	0.17710		10/13/10	23:54	

6

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61900-1	Ag	-0.29766	-0.39961	-0.19572	48.43415	ug/L	10/14/10	00:00	
61900-1	Al	3090.33984	3080.57812	3100.10180	0.44672	ug/L	10/14/10	00:00	
61900-1	2Al	3.09024	3.08067	3.09981	0.43800	mg/L	10/14/10	00:00	
61900-1	As	-1.74617	-3.97942	0.48706	180.86834	ug/L	10/14/10	00:00	
61900-1	B	1337.91162	1336.87524	1338.94799	0.10954	ug/L	10/14/10	00:00	
61900-1	Ba	718.68542	718.07696	719.29394	0.11973	ug/L	10/14/10	00:00	
61900-1	Be	0.03140	0.05092	0.01188	87.90876	ug/L	10/14/10	00:00	
61900-1	Ca	11749.00000	11749.22753	11748.77148	0.00274	ug/L	10/14/10	00:00	
61900-1	Cd	23.38557	23.75061	23.02053	2.20752	ug/L	10/14/10	00:00	
61900-1	Co	2.66739	1.85534	3.47944	43.05386	ug/L	10/14/10	00:00	
61900-1	Cr	8328.24414	8327.10937	8329.37890	0.01926	ug/L	10/14/10	00:00	
61900-1	Cu	52.59329	51.99580	53.19078	1.60663	ug/L	10/14/10	00:00	
61900-1	Fe	24293.61523	24321.21875	24266.01171	0.16068	ug/L	10/14/10	00:00	
61900-1	2Fe	24.28929	24.31807	24.26051	0.16757	mg/L	10/14/10	00:00	
61900-1	K	6037.73437	6058.22119	6017.24755	0.47986	ug/L	10/14/10	00:00	
61900-1	Mg	2083.27026	2077.57104	2088.96948	0.38688	ug/L	10/14/10	00:00	
61900-1	2Mg	2.07852	2.07281	2.08422	0.38801	mg/L	10/14/10	00:00	
61900-1	Mn	243.16992	243.07627	243.26354	0.05445	ug/L	10/14/10	00:00	
61900-1	Mo	2.84285	2.71924	2.96647	6.14944	ug/L	10/14/10	00:00	
61900-1	Na	602618.87500	601740.00000	603497.81250	0.20625	ug/L	10/14/10	00:00	
61900-1	Ni	20.13901	21.01108	19.26694	6.12391	ug/L	10/14/10	00:00	
61900-1	Pb	5.28642	4.74827	5.82457	14.39642	ug/L	10/14/10	00:00	
61900-1	Se	1.50636	2.98177	0.03095	138.51541	ug/L	10/14/10	00:00	
61900-1	Sb	21.98947	22.86875	21.11018	5.65493	ug/L	10/14/10	00:00	
61900-1	Sn	1.15046	3.29393	-0.99301	263.48794	ug/L	10/14/10	00:00	
61900-1	Sr	3445.60449	3448.32470	3442.88452	0.11164	ug/L	10/14/10	00:00	
61900-1	Ti	14.54809	15.14761	13.94858	5.82785	ug/L	10/14/10	00:00	
61900-1	Tl	2.27799	8.64524	-4.08926	395.28912	ug/L	10/14/10	00:00	
61900-1	V	-0.22961	0.31958	-0.77881	338.25140	ug/L	10/14/10	00:00	
61900-1	Zn	1996.36547	1998.10156	1994.62939	0.12298	ug/L	10/14/10	00:00	
61900-1	2203/1	2.34547	5.43998	-0.74903	186.58480	ug/L	10/14/10	00:00	
61900-1	2203/2	6.75469	4.40293	9.10644	49.23810	ug/L	10/14/10	00:00	
61900-1	1960/1	-1.22524	2.57934	-5.02983	439.13800	ug/L	10/14/10	00:00	
61900-1	1960/2	2.87011	3.18267	2.55755	15.40112	ug/L	10/14/10	00:00	
61900-1	Y	1053.48596	1054.08239	1052.88952	0.08006		10/14/10	00:00	
61965-1	Ag	1.43798	1.18463	1.69133	24.91609	ug/L	10/14/10	00:05	
61965-1	Al	166.26307	167.33560	165.19055	0.91227	ug/L	10/14/10	00:05	
61965-1	2Al	0.16626	0.16734	0.16519	0.91227	mg/L	10/14/10	00:05	
61965-1	As	-3.86546	-4.81950	-2.91142	34.90437	ug/L	10/14/10	00:05	
61965-1	B	3055.75976	3050.76171	3060.75756	0.23130	ug/L	10/14/10	00:05	
61965-1	Ba	10.37265	10.36748	10.37782	0.07047	ug/L	10/14/10	00:05	
61965-1	Be	0.03428	0.02625	0.04231	33.13555	ug/L	10/14/10	00:05	
61965-1	Ca	19247.54296	19237.60546	19257.48046	0.07301	ug/L	10/14/10	00:05	
61965-1	Cd	1.46209	1.28567	1.63852	17.06466	ug/L	10/14/10	00:05	
61965-1	Co	7.92053	7.76546	8.07561	2.76887	ug/L	10/14/10	00:05	
61965-1	Cr	18.76747	18.46737	19.06757	2.26137	ug/L	10/14/10	00:05	
61965-1	Cu	7.43867	7.41232	7.46502	0.50094	ug/L	10/14/10	00:05	
61965-1	Fe	5167.81738	5165.01123	5170.62353	0.07679	ug/L	10/14/10	00:05	
61965-1	2Fe	5.16716	5.16435	5.16997	0.07679	mg/L	10/14/10	00:05	
61965-1	K	56087.61328	56117.46484	56057.76171	0.07526	ug/L	10/14/10	00:05	
61965-1	Mg	3384.19775	3379.02270	3389.37280	0.21625	ug/L	10/14/10	00:05	
61965-1	2Mg	3.38240	3.37723	3.38757	0.21628	mg/L	10/14/10	00:05	
61965-1	Mn	152.36380	152.46609	152.26148	0.09495	ug/L	10/14/10	00:05	
61965-1	Mo	7.25752	6.94192	7.57312	6.14982	ug/L	10/14/10	00:05	
61965-1	Na	696276.00000	696702.31250	695849.62500	0.08659	ug/L	10/14/10	00:05	
61965-1	Ni	74.85238	75.64604	74.05871	1.49950	ug/L	10/14/10	00:05	
61965-1	Pb	1.75454	2.35626	1.15282	48.50010	ug/L	10/14/10	00:05	
61965-1	Se	1.56669	1.39586	1.73751	15.41993	ug/L	10/14/10	00:05	
61965-1	Sb	-2.20720	-0.49905	-3.91534	109.44550	ug/L	10/14/10	00:05	
61965-1	Sn	-3.40394	-4.51329	-2.29458	46.08959	ug/L	10/14/10	00:05	
61965-1	Sr	432.79608	432.49795	433.09417	0.09741	ug/L	10/14/10	00:05	
61965-1	Ti	0.10069	0.33791	-0.13652	333.16336	ug/L	10/14/10	00:05	
61965-1	Tl	-0.65867	0.07229	-1.38963	156.94355	ug/L	10/14/10	00:05	
61965-1	V	2.05281	2.05212	2.05350	0.04741	ug/L	10/14/10	00:05	
61965-1	Zn	84.51628	84.15679	84.87575	0.60151	ug/L	10/14/10	00:05	
61965-1	2203/1	-1.55490	-0.68824	-2.42156	78.82416	ug/L	10/14/10	00:05	
61965-1	2203/2	3.40678	3.87623	2.93734	19.48734	ug/L	10/14/10	00:05	
61965-1	1960/1	-0.26412	1.91603	-2.44429	1167.31823	ug/L	10/14/10	00:05	
61965-1	1960/2	2.48072	1.13617	3.82528	76.65042	ug/L	10/14/10	00:05	
61965-1	Y	1049.72277	1048.97521	1050.47033	0.10071		10/14/10	00:05	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61991-1	Ag	0.22899	-0.13072	0.58872	222.15301	ug/L	10/14/10	00:10	
61991-1	Al	-18.37726	-14.95024	-21.80428	26.37249	ug/L	10/14/10	00:10	
61991-1	2Al	-0.01837	-0.01495	-0.02180	26.37253	mg/L	10/14/10	00:10	
61991-1	As	1.38393	0.93355	1.83430	46.02311	ug/L	10/14/10	00:10	
61991-1	B	76.22709	77.47446	74.97972	2.31419	ug/L	10/14/10	00:10	
61991-1	Ba	115.62716	115.56402	115.69030	0.07722	ug/L	10/14/10	00:10	
61991-1	Be	0.19574	0.20641	0.18506	7.71295	ug/L	10/14/10	00:10	
61991-1	Ca	18484.37890	18490.19726	18478.55859	0.04452	ug/L	10/14/10	00:10	
61991-1	Cd	-0.11871	-0.12958	-0.10784	12.94939	ug/L	10/14/10	00:10	
61991-1	Co	33.31209	33.58120	33.04298	1.14247	ug/L	10/14/10	00:10	
61991-1	Cr	0.73138	0.59418	0.86859	26.52991	ug/L	10/14/10	00:10	
61991-1	Cu	-0.87244	-0.72113	-1.02376	24.52761	ug/L	10/14/10	00:10	
61991-1	Fe	14079.53320	14086.52441	14072.54296	0.07021	ug/L	10/14/10	00:10	
61991-1	2Fe	14.07719	14.08362	14.07076	0.06457	mg/L	10/14/10	00:10	
61991-1	K	2416.38085	2424.43261	2408.32885	0.47124	ug/L	10/14/10	00:10	
61991-1	Mg	5578.37597	5576.52343	5580.22851	0.04696	ug/L	10/14/10	00:10	
61991-1	2Mg	5.57469	5.57284	5.57655	0.04700	mg/L	10/14/10	00:10	
61991-1	Mn	815.29229	815.43389	815.15069	0.02456	ug/L	10/14/10	00:10	
61991-1	Mo	-0.51755	0.47987	-1.51498	272.54681	ug/L	10/14/10	00:10	
61991-1	Na	37531.96093	37502.67187	37561.25390	0.11036	ug/L	10/14/10	00:10	
61991-1	Ni	6.03725	6.47322	5.60128	10.21248	ug/L	10/14/10	00:10	
61991-1	Pb	0.49848	0.98873	0.00823	139.08528	ug/L	10/14/10	00:10	
61991-1	Se	-2.13491	-0.67414	-3.59567	96.76443	ug/L	10/14/10	00:10	
61991-1	Sb	-5.33290	-5.80804	-4.85776	12.60000	ug/L	10/14/10	00:10	
61991-1	Sn	-5.85469	-7.34665	-4.36273	36.03870	ug/L	10/14/10	00:10	
61991-1	Sr	138.52000	138.50949	138.53051	0.01073	ug/L	10/14/10	00:10	
61991-1	Ti	-0.43613	-0.37282	-0.49944	20.52869	ug/L	10/14/10	00:10	
61991-1	Tl	1.50033	2.09644	0.90423	56.18839	ug/L	10/14/10	00:10	
61991-1	V	-0.60870	-0.78140	-0.43600	40.12403	ug/L	10/14/10	00:10	
61991-1	Zn	21.87462	22.13820	21.61104	1.70405	ug/L	10/14/10	00:10	
61991-1	2203/1	-0.44566	0.75995	-1.65127	382.57723	ug/L	10/14/10	00:10	
61991-1	2203/2	0.96984	1.10295	0.83674	19.40902	ug/L	10/14/10	00:10	
61991-1	1960/1	-1.99831	-2.37897	-1.61765	26.93924	ug/L	10/14/10	00:10	
61991-1	1960/2	-2.20310	0.17698	-4.58320	152.78253	ug/L	10/14/10	00:10	
61991-1	Y	1108.59411	1106.10351	1111.08471	0.31772		10/14/10	00:10	
61991-1L	Ag	-0.13732	-0.18418	-0.09046	48.25641	ug/L	10/14/10	00:16	
61991-1L	Al	-26.69107	-28.78670	-24.59544	11.10358	ug/L	10/14/10	00:16	
61991-1L	2Al	-0.02669	-0.02878	-0.02459	11.10361	mg/L	10/14/10	00:16	
61991-1L	As	-3.41448	-5.07439	-1.75457	68.75037	ug/L	10/14/10	00:16	
61991-1L	B	14.20698	12.95194	15.46203	12.49316	ug/L	10/14/10	00:16	
61991-1L	Ba	23.59282	23.71830	23.46734	0.75215	ug/L	10/14/10	00:16	
61991-1L	Be	0.07264	0.06124	0.08404	22.19325	ug/L	10/14/10	00:16	
61991-1L	Ca	3812.83544	3828.80419	3796.86645	0.59229	ug/L	10/14/10	00:16	
61991-1L	Cd	-0.07291	-0.06046	-0.08537	24.15518	ug/L	10/14/10	00:16	
61991-1L	Co	7.25055	6.66272	7.83838	11.46562	ug/L	10/14/10	00:16	
61991-1L	Cr	0.62952	0.47300	0.78605	35.16295	ug/L	10/14/10	00:16	
61991-1L	Cu	-0.76875	-1.34333	-0.19417	105.70067	ug/L	10/14/10	00:16	
61991-1L	Fe	2901.20117	2906.83374	2895.56835	0.27456	ug/L	10/14/10	00:16	
61991-1L	2Fe	2.90083	2.90646	2.89520	0.27456	mg/L	10/14/10	00:16	
61991-1L	K	466.56976	465.04403	468.09548	0.46246	ug/L	10/14/10	00:16	
61991-1L	Mg	1164.33312	1164.68371	1163.98254	0.04258	ug/L	10/14/10	00:16	
61991-1L	2Mg	1.16357	1.16392	1.16322	0.04252	mg/L	10/14/10	00:16	
61991-1L	Mn	168.17915	168.79277	167.56553	0.51598	ug/L	10/14/10	00:16	
61991-1L	Mo	-3.49139	-3.11352	-3.86925	15.30575	ug/L	10/14/10	00:16	
61991-1L	Na	7364.76416	7352.50683	7377.02148	0.23537	ug/L	10/14/10	00:16	
61991-1L	Ni	1.70757	1.47987	1.93528	18.85836	ug/L	10/14/10	00:16	
61991-1L	Pb	1.74317	1.76426	1.72208	1.71121	ug/L	10/14/10	00:16	
61991-1L	Se	-0.95885	0.03745	-1.95516	146.94563	ug/L	10/14/10	00:16	
61991-1L	Sb	-1.67879	-2.64456	-0.71301	81.35690	ug/L	10/14/10	00:16	
61991-1L	Sn	-2.40277	-1.89980	-2.90574	29.60351	ug/L	10/14/10	00:16	
61991-1L	Sr	28.37596	28.43513	28.31679	0.29487	ug/L	10/14/10	00:16	
61991-1L	Ti	-0.35987	-0.48755	-0.23219	50.17569	ug/L	10/14/10	00:16	
61991-1L	Tl	0.50163	3.66657	-2.66330	892.25939	ug/L	10/14/10	00:16	
61991-1L	V	-0.62612	-0.75098	-0.50127	28.20087	ug/L	10/14/10	00:16	
61991-1L	Zn	4.66846	4.34209	4.99482	9.88658	ug/L	10/14/10	00:16	
61991-1L	2203/1	-0.16634	0.75398	-1.08666	782.44720	ug/L	10/14/10	00:16	
61991-1L	2203/2	2.69650	2.26865	3.12435	22.43898	ug/L	10/14/10	00:16	
61991-1L	1960/1	0.90216	1.90573	-0.10140	157.31805	ug/L	10/14/10	00:16	
61991-1L	1960/2	-1.88797	-0.89528	-2.88065	74.35858	ug/L	10/14/10	00:16	
61991-1L	Y	1116.14575	1114.43640	1117.85510	0.21658		10/14/10	00:16	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61991-1A	Ag	43.38052	43.23866	43.52238	0.46246	ug/L	10/14/10	00:21	
61991-1A	Al	1904.01733	1907.60876	1900.42578	0.26675	ug/L	10/14/10	00:21	
61991-1A	2Al	1.90406	1.90766	1.90047	0.26675	mg/L	10/14/10	00:21	
61991-1A	As	1993.31787	1999.07385	1987.56201	0.40836	ug/L	10/14/10	00:21	
61991-1A	B	939.80053	942.40655	937.19451	0.39215	ug/L	10/14/10	00:21	
61991-1A	Ba	2008.77111	2011.57116	2005.97106	0.19712	ug/L	10/14/10	00:21	
61991-1A	Be	50.22660	50.24552	50.20768	0.05326	ug/L	10/14/10	00:21	
61991-1A	Ca	23435.14453	23444.95703	23425.33398	0.05920	ug/L	10/14/10	00:21	
61991-1A	Cd	51.73605	51.86938	51.60272	0.36446	ug/L	10/14/10	00:21	
61991-1A	Co	549.59899	550.92877	548.26922	0.34217	ug/L	10/14/10	00:21	
61991-1A	Cr	201.43588	200.99438	201.87738	0.30996	ug/L	10/14/10	00:21	
61991-1A	Cu	231.81076	232.10943	231.51206	0.18221	ug/L	10/14/10	00:21	
61991-1A	Fe	15322.58203	15309.61718	15335.54589	0.11965	ug/L	10/14/10	00:21	
61991-1A	2Fe	15.32086	15.30790	15.33382	0.11965	mg/L	10/14/10	00:21	
61991-1A	K	6690.48437	6710.36669	6670.60253	0.42026	ug/L	10/14/10	00:21	
61991-1A	Mg	10515.84375	10524.64257	10507.04492	0.11833	ug/L	10/14/10	00:21	
61991-1A	2Mg	10.51079	10.51959	10.50199	0.11839	mg/L	10/14/10	00:21	
61991-1A	Mn	1334.91210	1335.61840	1334.20581	0.07482	ug/L	10/14/10	00:21	
61991-1A	Mo	444.58520	445.23171	443.93872	0.20564	ug/L	10/14/10	00:21	
61991-1A	Na	42688.57812	42747.68359	42629.47265	0.19580	ug/L	10/14/10	00:21	
61991-1A	Ni	523.85974	525.04101	522.67846	0.31889	ug/L	10/14/10	00:21	
61991-1A	Pb	521.75195	521.10241	522.40148	0.17605	ug/L	10/14/10	00:21	
61991-1A	Se	2011.89648	2007.15002	2016.64294	0.33364	ug/L	10/14/10	00:21	
61991-1A	Sb	466.91540	467.79907	466.03170	0.26765	ug/L	10/14/10	00:21	
61991-1A	Sn	926.34332	928.03253	924.65411	0.25788	ug/L	10/14/10	00:21	
61991-1A	Sr	556.24127	557.52178	554.96075	0.32556	ug/L	10/14/10	00:21	
61991-1A	Ti	860.44207	860.75085	860.13330	0.05075	ug/L	10/14/10	00:21	
61991-1A	Tl	2043.44653	2042.31335	2044.57983	0.07842	ug/L	10/14/10	00:21	
61991-1A	V	496.67361	497.57043	495.77679	0.25535	ug/L	10/14/10	00:21	
61991-1A	Zn	568.47235	569.25274	567.69195	0.19414	ug/L	10/14/10	00:21	
61991-1A	2203/1	532.06347	532.18920	531.93768	0.03342	ug/L	10/14/10	00:21	
61991-1A	2203/2	516.60534	515.56872	517.64190	0.28376	ug/L	10/14/10	00:21	
61991-1A	1960/1	2059.83007	2054.52929	2065.13061	0.36392	ug/L	10/14/10	00:21	
61991-1A	1960/2	1987.96569	1983.49584	1992.43554	0.31797	ug/L	10/14/10	00:21	
61991-1A	Y	1121.77795	1120.53479	1123.02111	0.15672		10/14/10	00:21	
30338-1	Ag	-0.61861	-0.28529	-0.95193	76.19919	ug/L	10/14/10	00:26	
30338-1	Al	74.66729	72.39264	76.94194	4.30822	ug/L	10/14/10	00:26	
30338-1	2Al	0.07466	0.07239	0.07694	4.30824	mg/L	10/14/10	00:26	
30338-1	As	-0.06792	-1.96607	1.83022	3952.15185	ug/L	10/14/10	00:26	
30338-1	B	15.70759	15.77328	15.64191	0.59139	ug/L	10/14/10	00:26	
30338-1	Ba	5.10381	5.27455	4.93307	4.73115	ug/L	10/14/10	00:26	
30338-1	Be	0.03512	0.04968	0.02055	58.65680	ug/L	10/14/10	00:26	
30338-1	Ca	12156.50781	12158.24707	12154.76855	0.02023	ug/L	10/14/10	00:26	
30338-1	Cd	-0.37832	-0.08972	-0.66692	107.88033	ug/L	10/14/10	00:26	
30338-1	Co	0.33614	0.67639	-0.00409	143.14476	ug/L	10/14/10	00:26	
30338-1	Cr	2.24552	1.56293	2.92811	42.98888	ug/L	10/14/10	00:26	
30338-1	Cu	0.50376	0.26455	0.74297	67.15404	ug/L	10/14/10	00:26	
30338-1	Fe	68.84097	80.44357	57.23837	23.83544	ug/L	10/14/10	00:26	
30338-1	2Fe	0.06883	0.08043	0.05723	23.83593	mg/L	10/14/10	00:26	
30338-1	K	844.72772	857.93615	831.51928	2.21130	ug/L	10/14/10	00:26	
30338-1	Mg	779.38836	782.15991	776.61682	0.50290	ug/L	10/14/10	00:26	
30338-1	2Mg	0.77916	0.78193	0.77639	0.50252	mg/L	10/14/10	00:26	
30338-1	Mn	23.25754	23.15570	23.35939	0.61927	ug/L	10/14/10	00:26	
30338-1	Mo	-1.90402	-1.00036	-2.80769	67.11975	ug/L	10/14/10	00:26	
30338-1	Na	6421.37158	6503.94970	6338.79345	1.81866	ug/L	10/14/10	00:26	
30338-1	Ni	-0.43059	0.23470	-1.09589	218.50625	ug/L	10/14/10	00:26	
30338-1	Pb	2.05781	2.28786	1.82777	15.80949	ug/L	10/14/10	00:26	
30338-1	Se	-3.08545	-0.94651	-5.22439	98.03804	ug/L	10/14/10	00:26	
30338-1	Sb	-7.76556	-4.83160	-10.69953	53.43142	ug/L	10/14/10	00:26	
30338-1	Sn	-6.08866	-3.59895	-8.57837	57.82842	ug/L	10/14/10	00:26	
30338-1	Sr	59.00268	59.08204	58.92331	0.19022	ug/L	10/14/10	00:26	
30338-1	Ti	1.07978	1.20628	0.95328	16.56735	ug/L	10/14/10	00:26	
30338-1	Tl	3.57058	7.50220	-0.36102	155.72064	ug/L	10/14/10	00:26	
30338-1	V	-1.09874	0.06158	-2.25907	149.34814	ug/L	10/14/10	00:26	
30338-1	Zn	11.05312	10.68970	11.41655	4.64989	ug/L	10/14/10	00:26	
30338-1	2203/1	-6.24466	-0.33290	-12.15642	133.88217	ug/L	10/14/10	00:26	
30338-1	2203/2	6.20283	3.59628	8.80939	59.42807	ug/L	10/14/10	00:26	
30338-1	1960/1	-7.89885	-4.63585	-11.16185	58.42077	ug/L	10/14/10	00:26	
30338-1	1960/2	-0.68236	0.89539	-2.26012	326.99276	ug/L	10/14/10	00:26	
30338-1	Y	1124.17626	1124.26440	1124.08801	0.01109		10/14/10	00:26	

68

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
30338-9	Ag	-0.16264	-0.04389	-0.28140	103.25570	ug/L	10/14/10	00:32	
30338-9	Al	70.50051	66.81377	74.18726	7.39546	ug/L	10/14/10	00:32	
30338-9	2Al	0.07050	0.06681	0.07418	7.39548	mg/L	10/14/10	00:32	
30338-9	As	4.23487	3.83965	4.63009	13.19800	ug/L	10/14/10	00:32	
30338-9	B	68.76302	68.44358	69.08246	0.65698	ug/L	10/14/10	00:32	
30338-9	Ba	0.27823	0.27176	0.28470	3.28848	ug/L	10/14/10	00:32	
30338-9	Be	0.02977	0.02659	0.03295	15.11030	ug/L	10/14/10	00:32	
30338-9	Ca	52267.40625	52215.01953	52319.79687	0.14174	ug/L	10/14/10	00:32	
30338-9	Cd	-0.10690	-0.10076	-0.11304	8.12661	ug/L	10/14/10	00:32	
30338-9	Co	0.59459	0.11687	1.07232	113.62445	ug/L	10/14/10	00:32	
30338-9	Cr	1.37650	0.70816	2.04485	68.66484	ug/L	10/14/10	00:32	
30338-9	Cu	4.19224	4.02340	4.36108	5.69560	ug/L	10/14/10	00:32	
30338-9	Fe	63.88699	63.24856	64.52542	1.41323	ug/L	10/14/10	00:32	
30338-9	2Fe	0.06387	0.06324	0.06451	1.41356	mg/L	10/14/10	00:32	
30338-9	K	3664.13232	3661.12695	3667.13745	0.11599	ug/L	10/14/10	00:32	
30338-9	Mg	2677.83105	2672.80566	2682.85668	0.26540	ug/L	10/14/10	00:32	
30338-9	2Mg	2.67708	2.67206	2.68210	0.26539	mg/L	10/14/10	00:32	
30338-9	Mn	45.22935	45.18010	45.27861	0.15400	ug/L	10/14/10	00:32	
30338-9	Mo	2.49152	2.25753	2.72551	13.28142	ug/L	10/14/10	00:32	
30338-9	Na	4568.94140	4645.89892	4491.98388	2.38204	ug/L	10/14/10	00:32	
30338-9	Ni	1.91540	2.05822	1.77258	10.54491	ug/L	10/14/10	00:32	
30338-9	Pb	0.18895	0.05762	0.32028	98.29273	ug/L	10/14/10	00:32	
30338-9	Se	4.48497	4.55245	4.41749	2.12785	ug/L	10/14/10	00:32	
30338-9	Sb	-2.51469	-5.26170	0.23230	154.48594	ug/L	10/14/10	00:32	
30338-9	Sn	-5.17565	-7.22384	-3.12747	55.96537	ug/L	10/14/10	00:32	
30338-9	Sr	203.78414	203.76266	203.80564	0.01491	ug/L	10/14/10	00:32	
30338-9	Ti	0.50553	0.51535	0.49570	2.74935	ug/L	10/14/10	00:32	
30338-9	Tl	0.93951	2.29846	-0.41943	204.55648	ug/L	10/14/10	00:32	
30338-9	V	6.16962	6.08003	6.25922	2.05362	ug/L	10/14/10	00:32	
30338-9	Zn	100.17194	99.67195	100.67193	0.70588	ug/L	10/14/10	00:32	
30338-9	2203/1	-2.91115	-2.31401	-3.50829	29.00856	ug/L	10/14/10	00:32	
30338-9	2203/2	1.73668	1.24166	2.23169	40.31020	ug/L	10/14/10	00:32	
30338-9	1960/1	3.54387	4.02759	3.06014	19.30364	ug/L	10/14/10	00:32	
30338-9	1960/2	4.95482	4.81449	5.09514	4.00531	ug/L	10/14/10	00:32	
30338-9	Y	1118.15332	1119.66113	1116.64550	0.19070		10/14/10	00:32	
30370-1	Ag	-0.16468	0.00365	-0.33302	144.56355	ug/L	10/14/10	00:37	
30370-1	Al	1073.04882	1080.93432	1065.16345	1.03925	ug/L	10/14/10	00:37	
30370-1	2Al	1.07299	1.08096	1.06501	1.05113	mg/L	10/14/10	00:37	
30370-1	As	-0.12113	0.44049	-0.68275	655.69897	ug/L	10/14/10	00:37	
30370-1	B	41.33956	39.91361	42.76551	4.87812	ug/L	10/14/10	00:37	
30370-1	Ba	12.77466	12.72367	12.82566	0.56450	ug/L	10/14/10	00:37	
30370-1	Be	0.07797	0.08463	0.07132	12.06955	ug/L	10/14/10	00:37	
30370-1	Ca	7347.74511	7349.89355	7345.59716	0.04134	ug/L	10/14/10	00:37	
30370-1	Cd	-0.23448	-0.29688	-0.17208	37.63190	ug/L	10/14/10	00:37	
30370-1	Co	-0.34319	-0.38461	-0.30176	17.07114	ug/L	10/14/10	00:37	
30370-1	Cr	4.02697	3.91736	4.13658	3.84937	ug/L	10/14/10	00:37	
30370-1	Cu	0.30746	0.28724	0.32767	9.29733	ug/L	10/14/10	00:37	
30370-1	Fe	678.97131	690.34686	667.59576	2.36938	ug/L	10/14/10	00:37	
30370-1	2Fe	0.67888	0.69025	0.66751	2.36938	mg/L	10/14/10	00:37	
30370-1	K	705.38195	708.57550	702.18835	0.64027	ug/L	10/14/10	00:37	
30370-1	Mg	1454.25024	1455.73864	1452.76184	0.14474	ug/L	10/14/10	00:37	
30370-1	2Mg	1.45372	1.45521	1.45224	0.14456	mg/L	10/14/10	00:37	
30370-1	Mn	14.15446	14.20659	14.10233	0.52081	ug/L	10/14/10	00:37	
30370-1	Mo	-3.56246	-3.56443	-3.56049	0.07809	ug/L	10/14/10	00:37	
30370-1	Na	16216.60253	16285.30566	16147.89941	0.59914	ug/L	10/14/10	00:37	
30370-1	Ni	0.36145	0.41425	0.30865	20.65705	ug/L	10/14/10	00:37	
30370-1	Pb	3.75793	2.67208	4.84378	40.86331	ug/L	10/14/10	00:37	
30370-1	Se	-0.06167	1.29191	-1.41525	3104.02368	ug/L	10/14/10	00:37	
30370-1	Sb	-5.19101	-7.59570	-2.78632	65.51222	ug/L	10/14/10	00:37	
30370-1	Sn	-4.27845	-5.02752	-3.52938	24.76004	ug/L	10/14/10	00:37	
30370-1	Sr	65.17228	65.53367	64.81089	0.78420	ug/L	10/14/10	00:37	
30370-1	Ti	13.61674	13.64431	13.58917	0.28634	ug/L	10/14/10	00:37	
30370-1	Tl	3.35373	2.25887	4.44860	46.16848	ug/L	10/14/10	00:37	
30370-1	V	0.08195	-0.21316	0.37707	509.26168	ug/L	10/14/10	00:37	
30370-1	Zn	6.15550	6.07781	6.23318	1.78478	ug/L	10/14/10	00:37	
30370-1	2203/1	-0.51576	-3.00355	1.97202	682.14324	ug/L	10/14/10	00:37	
30370-1	2203/2	5.89158	5.50565	6.27750	9.26368	ug/L	10/14/10	00:37	
30370-1	1960/1	-3.23110	-5.55470	-0.90750	101.70087	ug/L	10/14/10	00:37	
30370-1	1960/2	1.52067	4.71008	-1.66874	296.61322	ug/L	10/14/10	00:37	
30370-1	Y	1122.24829	1119.99719	1124.49951	0.28368		10/14/10	00:37	

d101310 SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	471.92651	473.12103	470.73202	0.35795	ug/L	10/14/10	00:42	
CCV	Al	4824.83642	4828.36865	4821.30419	0.10353	ug/L	10/14/10	00:42	
CCV	2Al	4.82475	4.82828	4.82122	0.10351	mg/L	10/14/10	00:42	
CCV	As	504.19958	503.44607	504.95312	0.21135	ug/L	10/14/10	00:42	
CCV	B	4905.36425	4905.29931	4905.42968	0.00187	ug/L	10/14/10	00:42	
CCV	Ba	4705.04687	4715.76806	4694.32617	0.32224	ug/L	10/14/10	00:42	
CCV	Be	502.70227	503.85089	501.55364	0.32313	ug/L	10/14/10	00:42	
CCV	Ca	5268.60107	5275.56689	5261.63525	0.18697	ug/L	10/14/10	00:42	
CCV	Cd	523.44653	523.98388	522.90917	0.14517	ug/L	10/14/10	00:42	
CCV	Co	514.82318	515.65423	513.99212	0.22828	ug/L	10/14/10	00:42	
CCV	Cr	5045.16064	5058.08837	5032.23291	0.36237	ug/L	10/14/10	00:42	
CCV	Cu	4673.60156	4684.49414	4662.70898	0.32960	ug/L	10/14/10	00:42	
CCV	Fe	5051.29492	5061.72949	5040.86083	0.29213	ug/L	10/14/10	00:42	
CCV	2Fe	5.05129	5.06172	5.04085	0.29212	mg/L	10/14/10	00:42	
CCV	K	9220.82519	9250.10839	9191.54199	0.44912	ug/L	10/14/10	00:42	
CCV	Mg	5476.75341	5481.08349	5472.42333	0.11181	ug/L	10/14/10	00:42	
CCV	2Mg	5.47663	5.48096	5.47229	0.11185	mg/L	10/14/10	00:42	
CCV	Mn	5045.26855	5055.05371	5035.48291	0.27428	ug/L	10/14/10	00:42	
CCV	Mo	498.82037	497.25134	500.38940	0.44483	ug/L	10/14/10	00:42	
CCV	Na	7056.12646	7127.58886	6984.66406	1.43227	ug/L	10/14/10	00:42	
CCV	Ni	2605.63427	2610.49072	2600.77807	0.26357	ug/L	10/14/10	00:42	
CCV	Pb	534.47912	536.38677	532.57147	0.50475	ug/L	10/14/10	00:42	
CCV	Se	5013.87207	5026.60595	5001.13769	0.35917	ug/L	10/14/10	00:42	
CCV	Sb	478.37567	481.15762	475.59371	0.82242	ug/L	10/14/10	00:42	
CCV	Sn	5199.11523	5207.06982	5191.16015	0.21637	ug/L	10/14/10	00:42	
CCV	Sr	2315.62939	2322.61181	2308.64672	0.42644	ug/L	10/14/10	00:42	
CCV	Ti	487.08093	487.51910	486.64276	0.12722	ug/L	10/14/10	00:42	
CCV	Tl	5017.46679	5007.30957	5027.62353	0.28628	ug/L	10/14/10	00:42	
CCV	V	5006.27392	5013.61474	4998.93310	0.20736	ug/L	10/14/10	00:42	
CCV	Zn	2751.27001	2756.54101	2745.99926	0.27093	ug/L	10/14/10	00:42	
CCV	2203/1	544.44281	546.70764	542.17797	0.58829	ug/L	10/14/10	00:42	
CCV	2203/2	529.50476	531.23406	527.77545	0.46186	ug/L	10/14/10	00:42	
CCV	1960/1	5142.84716	5166.31591	5119.37841	0.64535	ug/L	10/14/10	00:42	
CCV	1960/2	4949.48046	4956.85546	4942.10595	0.21071	ug/L	10/14/10	00:42	
CCV	Y	1128.49792	1124.68432	1132.31152	0.47791		10/14/10	00:42	
CCB	Ag	-0.20793	-0.42456	0.00870	147.33998	ug/L	10/14/10	00:48	
CCB	Al	-26.07955	-25.93296	-26.22615	0.79495	ug/L	10/14/10	00:48	
CCB	2Al	-0.02608	-0.02593	-0.02622	0.79505	mg/L	10/14/10	00:48	
CCB	As	0.90006	1.31575	0.48437	65.31472	ug/L	10/14/10	00:48	
CCB	B	8.58352	9.45931	7.70774	14.42933	ug/L	10/14/10	00:48	
CCB	Ba	1.54890	0.15440	2.94339	127.32384	ug/L	10/14/10	00:48	
CCB	Be	0.18935	0.03954	0.33916	111.88986	ug/L	10/14/10	00:48	
CCB	Ca	11.51065	8.20212	14.81918	40.64898	ug/L	10/14/10	00:48	
CCB	Cd	-0.18315	-0.30609	-0.06020	94.93139	ug/L	10/14/10	00:48	
CCB	Co	-0.47745	-1.03822	0.08331	166.09886	ug/L	10/14/10	00:48	
CCB	Cr	1.53658	0.66941	2.40375	79.81090	ug/L	10/14/10	00:48	
CCB	Cu	1.08532	-0.05461	2.22527	148.53762	ug/L	10/14/10	00:48	
CCB	Fe	-9.46649	-30.11023	11.17724	308.39981	ug/L	10/14/10	00:48	
CCB	2Fe	-0.00946	-0.03010	0.01117	308.40164	mg/L	10/14/10	00:48	
CCB	K	-27.00426	-41.56862	-12.43990	76.27355	ug/L	10/14/10	00:48	
CCB	Mg	6.38153	3.51167	9.25139	63.59899	ug/L	10/14/10	00:48	
CCB	2Mg	0.00638	0.00351	0.00924	63.50672	mg/L	10/14/10	00:48	
CCB	Mn	1.91225	0.58553	3.23898	98.11830	ug/L	10/14/10	00:48	
CCB	Mo	-1.66964	-2.12614	-1.21313	38.66696	ug/L	10/14/10	00:48	
CCB	Na	-308.60723	-350.42950	-266.78497	19.16533	ug/L	10/14/10	00:48	
CCB	Ni	2.12164	1.22174	3.02154	59.98401	ug/L	10/14/10	00:48	
CCB	Pb	1.55090	0.91997	2.18182	57.53188	ug/L	10/14/10	00:48	
CCB	Se	1.31701	-0.99925	3.63328	248.72195	ug/L	10/14/10	00:48	
CCB	Sb	-4.27741	-4.55137	-4.00345	9.05768	ug/L	10/14/10	00:48	
CCB	Sn	-2.28848	-3.22524	-1.35172	57.88885	ug/L	10/14/10	00:48	
CCB	Sr	0.81990	0.21669	1.42311	104.04533	ug/L	10/14/10	00:48	
CCB	Ti	-0.07119	-0.07129	-0.07109	0.19282	ug/L	10/14/10	00:48	
CCB	Tl	9.30515	6.37299	12.23732	44.56352	ug/L	10/14/10	00:48	
CCB	V	0.51977	-1.33355	2.37310	504.25946	ug/L	10/14/10	00:48	
CCB	Zn	1.51787	0.87702	2.15873	59.70833	ug/L	10/14/10	00:48	
CCB	2203/1	-3.42328	-3.51393	-3.33263	3.74481	ug/L	10/14/10	00:48	
CCB	2203/2	4.03426	3.13360	4.93492	31.57264	ug/L	10/14/10	00:48	
CCB	1960/1	-3.57813	-7.28756	0.13130	146.61093	ug/L	10/14/10	00:48	
CCB	1960/2	3.76091	2.14018	5.38165	60.94442	ug/L	10/14/10	00:48	
CCB	Y	1114.20947	1114.94873	1113.47033	0.09382		10/14/10	00:48	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 182776	Ag	0.43239	0.52877	0.33602	31.51936	ug/L	10/14/10	00:53	
PBW 182776	Al	-26.96565	-29.50369	-24.42761	13.31076	ug/L	10/14/10	00:53	
PBW 182776	2Al	-0.02696	-0.02950	-0.02442	13.31078	mg/L	10/14/10	00:53	
PBW 182776	As	-0.07409	0.09241	-0.24061	317.80432	ug/L	10/14/10	00:53	
PBW 182776	B	-0.24236	-0.43757	-0.04715	113.90561	ug/L	10/14/10	00:53	
PBW 182776	Ba	0.03451	0.03461	0.03440	0.43445	ug/L	10/14/10	00:53	
PBW 182776	Be	0.03784	0.04859	0.02709	40.15554	ug/L	10/14/10	00:53	
PBW 182776	Ca	26.24592	25.75937	26.73249	2.62173	ug/L	10/14/10	00:53	
PBW 182776	Cd	-0.09041	-0.10902	-0.07181	29.10111	ug/L	10/14/10	00:53	
PBW 182776	Co	0.12168	-0.16035	0.40372	327.78845	ug/L	10/14/10	00:53	
PBW 182776	Cr	-0.15442	-0.03728	-0.27156	107.27304	ug/L	10/14/10	00:53	
PBW 182776	Cu	-1.15148	-1.11367	-1.18929	4.64401	ug/L	10/14/10	00:53	
PBW 182776	Fe	-11.29316	-9.04315	-13.54316	28.17625	ug/L	10/14/10	00:53	
PBW 182776	2Fe	-0.01129	-0.00904	-0.01354	28.17526	mg/L	10/14/10	00:53	
PBW 182776	K	-10.02261	-15.82819	-4.21703	81.91801	ug/L	10/14/10	00:53	
PBW 182776	Mg	4.94592	3.52608	6.36576	40.59815	ug/L	10/14/10	00:53	
PBW 182776	2Mg	0.00494	0.00352	0.00636	40.59293	mg/L	10/14/10	00:53	
PBW 182776	Mn	0.14479	0.12136	0.16821	22.88282	ug/L	10/14/10	00:53	
PBW 182776	Mo	-2.27885	-0.99508	-3.56261	79.66816	ug/L	10/14/10	00:53	
PBW 182776	Na	-17.33848	30.37345	-65.05043	389.16244	ug/L	10/14/10	00:53	
PBW 182776	Ni	0.11471	-0.09503	0.32445	258.57858	ug/L	10/14/10	00:53	
PBW 182776	Pb	2.19157	2.33896	2.04417	9.51115	ug/L	10/14/10	00:53	
PBW 182776	Se	0.78373	1.32728	0.24018	98.08129	ug/L	10/14/10	00:53	
PBW 182776	Sb	-5.64320	-5.35485	-5.93155	7.22615	ug/L	10/14/10	00:53	
PBW 182776	Sn	-3.91742	-6.00028	-1.83457	75.19228	ug/L	10/14/10	00:53	
PBW 182776	Sr	0.03439	0.02196	0.04683	51.11656	ug/L	10/14/10	00:53	
PBW 182776	Ti	-0.38900	-0.41030	-0.36770	7.74321	ug/L	10/14/10	00:53	
PBW 182776	Tl	4.22165	5.22599	3.21732	33.64411	ug/L	10/14/10	00:53	
PBW 182776	V	-1.09025	-0.84054	-1.33996	32.39065	ug/L	10/14/10	00:53	
PBW 182776	Zn	3.16473	3.22773	3.10173	2.81509	ug/L	10/14/10	00:53	
PBW 182776	2203/1	-2.05704	-4.12820	0.01411	142.39175	ug/L	10/14/10	00:53	
PBW 182776	2203/2	4.31269	5.56769	3.05768	41.15397	ug/L	10/14/10	00:53	
PBW 182776	1960/1	-1.70210	-2.00493	-1.39928	25.16018	ug/L	10/14/10	00:53	
PBW 182776	1960/2	2.02479	2.99089	1.05869	67.47727	ug/L	10/14/10	00:53	
PBW 182776	Y	1121.29907	1120.52636	1122.07189	0.09746		10/14/10	00:53	
LCSW-1	Ag	44.95604	45.11919	44.79289	0.51323	ug/L	10/14/10	00:58	
LCSW-1	Al	1956.45727	1957.31384	1955.60058	0.06192	ug/L	10/14/10	00:58	
LCSW-1	2Al	1.95642	1.95718	1.95565	0.05538	mg/L	10/14/10	00:58	
LCSW-1	As	2007.67700	2005.49145	2009.86267	0.15395	ug/L	10/14/10	00:58	
LCSW-1	B	973.85034	974.91412	972.78656	0.15448	ug/L	10/14/10	00:58	
LCSW-1	Ba	1936.80566	1937.10339	1936.50805	0.02173	ug/L	10/14/10	00:58	
LCSW-1	Be	50.70301	50.71974	50.68628	0.04666	ug/L	10/14/10	00:58	
LCSW-1	Ca	5183.98828	5181.39599	5186.58105	0.07072	ug/L	10/14/10	00:58	
LCSW-1	Cd	53.46147	53.52856	53.39438	0.17747	ug/L	10/14/10	00:58	
LCSW-1	Co	524.32458	524.48126	524.16784	0.04226	ug/L	10/14/10	00:58	
LCSW-1	Cr	206.65707	206.74346	206.57069	0.05911	ug/L	10/14/10	00:58	
LCSW-1	Cu	236.15498	236.47409	235.83587	0.19109	ug/L	10/14/10	00:58	
LCSW-1	Fe	1018.59216	1012.90240	1024.28186	0.78996	ug/L	10/14/10	00:58	
LCSW-1	2Fe	1.01868	1.01299	1.02437	0.78980	mg/L	10/14/10	00:58	
LCSW-1	K	4611.07128	4593.75781	4628.38476	0.53100	ug/L	10/14/10	00:58	
LCSW-1	Mg	5396.03857	5388.18652	5403.89062	0.20578	ug/L	10/14/10	00:58	
LCSW-1	2Mg	5.39457	5.38672	5.40242	0.20577	mg/L	10/14/10	00:58	
LCSW-1	Mn	513.04748	512.68792	513.40698	0.09910	ug/L	10/14/10	00:58	
LCSW-1	Mo	499.53363	496.73715	502.33007	0.79169	ug/L	10/14/10	00:58	
LCSW-1	Na	4745.82617	4648.97265	4842.67919	2.88614	ug/L	10/14/10	00:58	
LCSW-1	Ni	526.40484	525.47973	527.32995	0.24853	ug/L	10/14/10	00:58	
LCSW-1	Pb	539.36718	540.38055	538.35375	0.26571	ug/L	10/14/10	00:58	
LCSW-1	Se	2056.57519	2055.68530	2057.46533	0.06120	ug/L	10/14/10	00:58	
LCSW-1	Sb	468.63189	463.32595	473.93783	1.60119	ug/L	10/14/10	00:58	
LCSW-1	Sn	1028.49511	1027.55554	1029.43457	0.12918	ug/L	10/14/10	00:58	
LCSW-1	Sr	473.32226	472.43142	474.21313	0.26617	ug/L	10/14/10	00:58	
LCSW-1	Ti	965.92523	964.82629	967.02416	0.16089	ug/L	10/14/10	00:58	
LCSW-1	Tl	2098.98242	2098.02221	2099.94287	0.06470	ug/L	10/14/10	00:58	
LCSW-1	V	502.26464	501.55969	502.96957	0.19848	ug/L	10/14/10	00:58	
LCSW-1	Zn	560.13421	559.41809	560.85034	0.18080	ug/L	10/14/10	00:58	
LCSW-1	2203/1	547.04064	546.51953	547.56170	0.13471	ug/L	10/14/10	00:58	
LCSW-1	2203/2	535.53619	537.31567	533.75671	0.46991	ug/L	10/14/10	00:58	
LCSW-1	1960/1	2099.68359	2106.94482	2092.42211	0.48907	ug/L	10/14/10	00:58	
LCSW-1	1960/2	2035.05297	2030.09338	2040.01245	0.34465	ug/L	10/14/10	00:58	
LCSW-1	Y	1115.93164	1113.12597	1118.73718	0.35555		10/14/10	00:58	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-1	Ag	-0.22497	-0.42199	-0.02795	123.84983	ug/L	10/14/10	01:04	
61764-1	Al	239.71452	234.71449	244.71455	2.94980	ug/L	10/14/10	01:04	
61764-1	2Al	0.23972	0.23471	0.24472	2.94982	mg/L	10/14/10	01:04	
61764-1	As	-0.67308	0.93202	-2.27819	337.24633	ug/L	10/14/10	01:04	
61764-1	B	277.34585	277.38562	277.30609	0.02027	ug/L	10/14/10	01:04	
61764-1	Ba	66.82760	66.79406	66.86113	0.07096	ug/L	10/14/10	01:04	
61764-1	Be	0.04425	0.04203	0.04647	7.08690	ug/L	10/14/10	01:04	
61764-1	Ca	26625.55468	26596.48437	26654.62304	0.15440	ug/L	10/14/10	01:04	
61764-1	Cd	0.15553	0.31649	-0.00542	146.35772	ug/L	10/14/10	01:04	
61764-1	Co	1.98401	1.75121	2.21682	16.59422	ug/L	10/14/10	01:04	
61764-1	Cr	34.75902	34.34066	35.17737	1.70214	ug/L	10/14/10	01:04	
61764-1	Cu	0.85802	0.30231	1.41372	91.59346	ug/L	10/14/10	01:04	
61764-1	Fe	2904.48291	2901.65722	2907.30834	0.13757	ug/L	10/14/10	01:04	
61764-1	2Fe	2.90413	2.90130	2.90695	0.13758	mg/L	10/14/10	01:04	
61764-1	K	2332.43896	2319.89404	2344.98413	0.76063	ug/L	10/14/10	01:04	
61764-1	Mg	5931.86914	5917.40234	5946.33544	0.34489	ug/L	10/14/10	01:04	
61764-1	2Mg	5.92976	5.91530	5.94422	0.34491	mg/L	10/14/10	01:04	
61764-1	Mn	177.26893	176.97541	177.56245	0.23416	ug/L	10/14/10	01:04	
61764-1	Mo	1875.43579	1865.50708	1885.36462	0.74870	ug/L	10/14/10	01:04	
61764-1	Na	162614.76562	161642.70312	163586.82812	0.84537	ug/L	10/14/10	01:04	
61764-1	Ni	6.54286	6.73853	6.34720	4.22922	ug/L	10/14/10	01:04	
61764-1	Pb	11.73325	11.27889	12.18761	5.47645	ug/L	10/14/10	01:04	
61764-1	Se	-0.30251	-2.06526	1.46022	824.05236	ug/L	10/14/10	01:04	
61764-1	Sb	-6.40746	-4.66214	-8.15277	38.52141	ug/L	10/14/10	01:04	
61764-1	Sn	-1.80686	-0.32227	-3.29144	116.19696	ug/L	10/14/10	01:04	
61764-1	Sr	196.76847	196.44631	197.09063	0.23154	ug/L	10/14/10	01:04	
61764-1	Ti	12.05126	12.10284	11.99969	0.60524	ug/L	10/14/10	01:04	
61764-1	Tl	3.77144	3.84186	3.70103	2.64033	ug/L	10/14/10	01:04	
61764-1	V	171.98980	171.86531	172.11428	0.10236	ug/L	10/14/10	01:04	
61764-1	Zn	16.66019	16.15124	17.16913	4.32024	ug/L	10/14/10	01:04	
61764-1	2203/1	5.57725	7.40872	3.74578	46.44024	ug/L	10/14/10	01:04	
61764-1	2203/2	14.80665	13.21108	16.40221	15.23958	ug/L	10/14/10	01:04	
61764-1	1960/1	-1.94201	-3.08817	-0.79586	83.46492	ug/L	10/14/10	01:04	
61764-1	1960/2	0.51600	-1.55457	2.58658	567.48358	ug/L	10/14/10	01:04	
61764-1	Y	1103.23486	1108.34631	1098.12353	0.65521		10/14/10	01:04	
61764-2	Ag	-0.11607	-0.06641	-0.16572	60.49760	ug/L	10/14/10	01:09	
61764-2	Al	35808.73437	35793.16015	35824.30468	0.06150	ug/L	10/14/10	01:09	
61764-2	2Al	35.80807	35.79213	35.82402	0.06296	mg/L	10/14/10	01:09	
61764-2	As	12.03137	10.15709	13.90565	22.03102	ug/L	10/14/10	01:09	
61764-2	B	1007.40533	1005.37036	1009.44030	0.28567	ug/L	10/14/10	01:09	
61764-2	Ba	272.88977	272.71801	273.06149	0.08900	ug/L	10/14/10	01:09	
61764-2	Be	1.09554	1.07711	1.11397	2.37906	ug/L	10/14/10	01:09	
61764-2	Ca	11814.45019	11797.42285	11831.47753	0.20382	ug/L	10/14/10	01:09	
61764-2	Cd	23.37840	23.47882	23.27797	0.60748	ug/L	10/14/10	01:09	
61764-2	Co	18.21989	18.00488	18.43490	1.66891	ug/L	10/14/10	01:09	
61764-2	Cr	1133.35339	1132.69006	1134.01672	0.08277	ug/L	10/14/10	01:09	
61764-2	Cu	35.36513	34.63853	36.09173	2.90559	ug/L	10/14/10	01:09	
61764-2	Fe	35251.75390	35228.34765	35275.16015	0.09390	ug/L	10/14/10	01:09	
61764-2	2Fe	35.24672	35.22332	35.27013	0.09390	mg/L	10/14/10	01:09	
61764-2	K	10231.86914	10217.75585	10245.98339	0.19507	ug/L	10/14/10	01:09	
61764-2	Mg	8190.23242	8174.24609	8206.21875	0.27603	ug/L	10/14/10	01:09	
61764-2	2Mg	8.18218	8.16621	8.19816	0.27616	mg/L	10/14/10	01:09	
61764-2	Mn	1019.21759	1018.60839	1019.82678	0.08452	ug/L	10/14/10	01:09	
61764-2	Mo	380.02746	379.86038	380.19458	0.06218	ug/L	10/14/10	01:09	
61764-2	Na	645707.12500	645195.37500	646218.93750	0.11208	ug/L	10/14/10	01:09	
61764-2	Ni	46.20669	46.98786	45.42552	2.39087	ug/L	10/14/10	01:09	
61764-2	Pb	64.10247	64.48029	63.72465	0.83353	ug/L	10/14/10	01:09	
61764-2	Se	9.14040	9.23784	9.04295	1.50768	ug/L	10/14/10	01:09	
61764-2	Sb	35.64053	36.52845	34.75261	3.52326	ug/L	10/14/10	01:09	
61764-2	Sn	-3.97632	-2.47608	-5.47656	53.35746	ug/L	10/14/10	01:09	
61764-2	Sr	83.57468	83.42901	83.72035	0.24649	ug/L	10/14/10	01:09	
61764-2	Ti	894.79089	893.43530	896.14648	0.21425	ug/L	10/14/10	01:09	
61764-2	Tl	-1.88374	-1.04814	-2.71933	62.73196	ug/L	10/14/10	01:09	
61764-2	V	5797.73339	5793.38232	5802.08447	0.10613	ug/L	10/14/10	01:09	
61764-2	Zn	1548.96154	1546.20544	1551.71765	0.25163	ug/L	10/14/10	01:09	
61764-2	2203/1	66.32336	67.28319	65.36352	2.04665	ug/L	10/14/10	01:09	
61764-2	2203/2	62.99368	63.08092	62.90643	0.19587	ug/L	10/14/10	01:09	
61764-2	1960/1	3.66458	8.22453	-0.89536	175.97453	ug/L	10/14/10	01:09	
61764-2	1960/2	11.87421	9.74374	14.00467	25.37371	ug/L	10/14/10	01:09	
61764-2	Y	1084.24682	1083.83520	1084.65832	0.05368		10/14/10	01:09	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-3	Ag	-0.83146	-1.04976	-0.61316	37.12975	ug/L	10/14/10	01:14	
61764-3	Al	19.01372	13.61881	24.40864	40.12660	ug/L	10/14/10	01:14	
61764-3	2Al	0.01901	0.01361	0.02440	40.12660	mg/L	10/14/10	01:14	
61764-3	As	-0.87724	-5.23178	3.47728	701.99450	ug/L	10/14/10	01:14	
61764-3	B	1228.00781	1226.28991	1229.72583	0.19784	ug/L	10/14/10	01:14	
61764-3	Ba	70.23779	70.07875	70.39682	0.32021	ug/L	10/14/10	01:14	
61764-3	Be	0.02973	0.00914	0.05031	97.90486	ug/L	10/14/10	01:14	
61764-3	Ca	138504.43750	138156.48437	138852.40625	0.35528	ug/L	10/14/10	01:14	
61764-3	Cd	1.12508	1.06237	1.18778	7.88191	ug/L	10/14/10	01:14	
61764-3	Co	2.08044	1.61549	2.54540	31.60611	ug/L	10/14/10	01:14	
61764-3	Cr	10.40610	10.12199	10.69021	3.86113	ug/L	10/14/10	01:14	
61764-3	Cu	0.87246	0.82120	0.92371	8.30861	ug/L	10/14/10	01:14	
61764-3	Fe	3146.29614	3141.13476	3151.45751	0.23199	ug/L	10/14/10	01:14	
61764-3	2Fe	3.14589	3.14073	3.15105	0.23200	mg/L	10/14/10	01:14	
61764-3	K	4405.73437	4382.81982	4428.64892	0.73554	ug/L	10/14/10	01:14	
61764-3	Mg	27758.77539	27681.97460	27835.57617	0.39127	ug/L	10/14/10	01:14	
61764-3	2Mg	27.75045	27.67368	27.82723	0.39127	mg/L	10/14/10	01:14	
61764-3	Mn	157.11499	156.71012	157.51986	0.36442	ug/L	10/14/10	01:14	
61764-3	Mo	10.99266	10.54843	11.43689	5.71505	ug/L	10/14/10	01:14	
61764-3	Na	92100.75781	91723.08593	92478.42968	0.57991	ug/L	10/14/10	01:14	
61764-3	Ni	0.65314	-0.66956	1.97586	286.39852	ug/L	10/14/10	01:14	
61764-3	Pb	4.32325	4.75189	3.89461	14.02164	ug/L	10/14/10	01:14	
61764-3	Se	-3.47226	-4.87328	-2.07124	57.06199	ug/L	10/14/10	01:14	
61764-3	Sb	-0.76133	0.99655	-2.51922	326.53506	ug/L	10/14/10	01:14	
61764-3	Sn	-7.63644	-8.84091	-6.43197	22.30593	ug/L	10/14/10	01:14	
61764-3	Sr	526.50561	524.99505	528.01617	0.40574	ug/L	10/14/10	01:14	
61764-3	Ti	2.09032	2.06086	2.11979	1.99318	ug/L	10/14/10	01:14	
61764-3	Tl	-1.82720	-2.66904	-0.98536	65.15670	ug/L	10/14/10	01:14	
61764-3	V	-0.16285	-0.39210	0.06639	199.07464	ug/L	10/14/10	01:14	
61764-3	Zn	7.65492	7.00520	8.30464	12.00324	ug/L	10/14/10	01:14	
61764-3	2203/1	-1.97076	1.44904	-5.39056	245.40464	ug/L	10/14/10	01:14	
61764-3	2203/2	7.46554	6.40084	8.53024	20.16883	ug/L	10/14/10	01:14	
61764-3	1960/1	-6.49337	-8.16025	-4.82650	36.30338	ug/L	10/14/10	01:14	
61764-3	1960/2	-1.96396	-3.23225	-0.69567	91.32719	ug/L	10/14/10	01:14	
61764-3	Y	1104.08764	1109.03515	1099.14001	0.63372		10/14/10	01:14	
61764-3L	Ag	-0.11582	-0.14221	-0.08943	32.22163	ug/L	10/14/10	01:20	
61764-3L	Al	-12.47786	-16.90511	-8.05061	50.17749	ug/L	10/14/10	01:20	
61764-3L	2Al	-0.01247	-0.01690	-0.00805	50.17749	mg/L	10/14/10	01:20	
61764-3L	As	0.02168	-0.59973	0.64311	4051.92993	ug/L	10/14/10	01:20	
61764-3L	B	238.35089	238.59402	238.10775	0.14425	ug/L	10/14/10	01:20	
61764-3L	Ba	13.84748	13.89523	13.79974	0.48759	ug/L	10/14/10	01:20	
61764-3L	Be	0.01941	0.01325	0.02558	44.89551	ug/L	10/14/10	01:20	
61764-3L	Ca	26952.04687	27075.20507	26828.88671	0.64623	ug/L	10/14/10	01:20	
61764-3L	Cd	0.06422	0.18614	-0.05769	268.46337	ug/L	10/14/10	01:20	
61764-3L	Co	0.01723	-0.08149	0.11596	810.05676	ug/L	10/14/10	01:20	
61764-3L	Cr	2.89997	2.61675	3.18318	13.81138	ug/L	10/14/10	01:20	
61764-3L	Cu	-0.24202	-0.69120	0.20714	262.45977	ug/L	10/14/10	01:20	
61764-3L	Fe	596.95483	609.29522	584.61437	2.92350	ug/L	10/14/10	01:20	
61764-3L	2Fe	0.59687	0.60921	0.58454	2.92348	mg/L	10/14/10	01:20	
61764-3L	K	795.75695	798.78112	792.73272	0.53745	ug/L	10/14/10	01:20	
61764-3L	Mg	5551.10253	5576.47363	5525.73095	0.64636	ug/L	10/14/10	01:20	
61764-3L	2Mg	5.54944	5.57480	5.52408	0.64631	mg/L	10/14/10	01:20	
61764-3L	Mn	31.24536	31.27550	31.21522	0.13641	ug/L	10/14/10	01:20	
61764-3L	Mo	-0.34580	-2.20510	1.51350	760.39337	ug/L	10/14/10	01:20	
61764-3L	Na	17066.10546	17346.76171	16785.44726	2.32571	ug/L	10/14/10	01:20	
61764-3L	Ni	-0.33138	-0.38170	-0.28105	21.47860	ug/L	10/14/10	01:20	
61764-3L	Pb	3.74555	4.77259	2.71851	38.77791	ug/L	10/14/10	01:20	
61764-3L	Se	-4.17096	-2.28159	-6.06034	64.06148	ug/L	10/14/10	01:20	
61764-3L	Sb	-3.80998	-1.51141	-6.10854	85.31964	ug/L	10/14/10	01:20	
61764-3L	Sn	-6.22735	-5.44860	-7.00609	17.68498	ug/L	10/14/10	01:20	
61764-3L	Sr	104.53022	105.14292	103.91751	0.82894	ug/L	10/14/10	01:20	
61764-3L	Ti	-0.02468	-0.29871	0.24935	1570.25109	ug/L	10/14/10	01:20	
61764-3L	Tl	2.68272	6.37451	-1.00907	194.61531	ug/L	10/14/10	01:20	
61764-3L	V	-0.08653	-0.70946	0.53640	1018.08111	ug/L	10/14/10	01:20	
61764-3L	Zn	1.66082	1.65370	1.66795	0.60671	ug/L	10/14/10	01:20	
61764-3L	2203/1	-2.52723	-0.23406	-4.82040	128.32360	ug/L	10/14/10	01:20	
61764-3L	2203/2	6.87724	7.27216	6.48233	8.12091	ug/L	10/14/10	01:20	
61764-3L	1960/1	-8.44061	-8.64358	-8.23764	3.40074	ug/L	10/14/10	01:20	
61764-3L	1960/2	-2.03934	0.89464	-4.97332	203.46153	ug/L	10/14/10	01:20	
61764-3L	Y	1120.12316	1123.89477	1116.35156	0.47618		10/14/10	01:20	

7

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-3A	Ag	44.37559	45.33008	43.42110	3.04188	ug/L	10/14/10	01:25	
61764-3A	Al	1948.67822	1948.85571	1948.50061	0.01288	ug/L	10/14/10	01:25	
61764-3A	2Al	1.94873	1.94890	1.94855	0.01288	mg/L	10/14/10	01:25	
61764-3A	As	2045.91943	2039.22436	2052.61450	0.46278	ug/L	10/14/10	01:25	
61764-3A	B	2103.80273	2101.32983	2106.27587	0.16624	ug/L	10/14/10	01:25	
61764-3A	Ba	1964.53149	1964.98986	1964.07324	0.03299	ug/L	10/14/10	01:25	
61764-3A	Be	51.11631	51.19052	51.04211	0.20531	ug/L	10/14/10	01:25	
61764-3A	Ca	140677.50000	140651.75000	140703.23437	0.02587	ug/L	10/14/10	01:25	
61764-3A	Cd	54.16883	54.01591	54.32175	0.39922	ug/L	10/14/10	01:25	
61764-3A	Co	515.50671	515.70812	515.30529	0.05525	ug/L	10/14/10	01:25	
61764-3A	Cr	212.77738	212.21925	213.33552	0.37096	ug/L	10/14/10	01:25	
61764-3A	Cu	234.32376	233.98150	234.66601	0.20656	ug/L	10/14/10	01:25	
61764-3A	Fe	4137.18945	4119.43017	4154.94921	0.60707	ug/L	10/14/10	01:25	
61764-3A	2Fe	4.13688	4.11912	4.15463	0.60704	mg/L	10/14/10	01:25	
61764-3A	K	8898.52734	8900.33593	8896.71875	0.02874	ug/L	10/14/10	01:25	
61764-3A	Mg	32155.58203	32095.71484	32215.45117	0.26330	ug/L	10/14/10	01:25	
61764-3A	2Mg	32.14608	32.08623	32.20593	0.26329	mg/L	10/14/10	01:25	
61764-3A	Mn	665.06774	664.47961	665.65582	0.12505	ug/L	10/14/10	01:25	
61764-3A	Mo	471.20550	469.44665	472.96432	0.52787	ug/L	10/14/10	01:25	
61764-3A	Na	94560.86718	94400.05468	94721.67968	0.24050	ug/L	10/14/10	01:25	
61764-3A	Ni	516.95361	517.05755	516.84960	0.02844	ug/L	10/14/10	01:25	
61764-3A	Pb	534.99133	536.89660	533.08599	0.50365	ug/L	10/14/10	01:25	
61764-3A	Se	2066.94384	2072.29809	2061.58935	0.36634	ug/L	10/14/10	01:25	
61764-3A	Sb	486.15417	487.45745	484.85089	0.37912	ug/L	10/14/10	01:25	
61764-3A	Sn	949.51416	948.47174	950.55657	0.15525	ug/L	10/14/10	01:25	
61764-3A	Sr	934.62567	935.34387	933.90747	0.10867	ug/L	10/14/10	01:25	
61764-3A	Ti	876.58312	874.72698	878.43927	0.29945	ug/L	10/14/10	01:25	
61764-3A	Tl	2080.28173	2071.73754	2088.82617	0.58085	ug/L	10/14/10	01:25	
61764-3A	V	506.68548	506.36767	507.00332	0.08870	ug/L	10/14/10	01:25	
61764-3A	Zn	559.82739	559.44219	560.21258	0.09730	ug/L	10/14/10	01:25	
61764-3A	2203/1	540.75140	544.05731	537.44549	0.86458	ug/L	10/14/10	01:25	
61764-3A	2203/2	532.11560	533.32159	530.90954	0.32052	ug/L	10/14/10	01:25	
61764-3A	1960/1	2114.86059	2114.72509	2114.99609	0.00906	ug/L	10/14/10	01:25	
61764-3A	1960/2	2043.02111	2051.11621	2034.92602	0.56035	ug/L	10/14/10	01:25	
61764-3A	Y	1104.22192	1103.40710	1105.03674	0.10435		10/14/10	01:25	
61764-3S	Ag	44.66803	44.63906	44.69699	0.09170	ug/L	10/14/10	01:30	
61764-3S	Al	1984.65600	1981.14086	1988.17102	0.25047	ug/L	10/14/10	01:30	
61764-3S	2Al	1.98471	1.98119	1.98822	0.25047	mg/L	10/14/10	01:30	
61764-3S	As	2069.73608	2075.60229	2063.86987	0.40082	ug/L	10/14/10	01:30	
61764-3S	B	2241.24462	2241.48510	2241.00439	0.01516	ug/L	10/14/10	01:30	
61764-3S	Ba	1989.34838	1989.21594	1989.48095	0.00941	ug/L	10/14/10	01:30	
61764-3S	Be	51.35733	51.30947	51.40519	0.13178	ug/L	10/14/10	01:30	
61764-3S	Ca	143929.37500	143873.12500	143985.62500	0.05526	ug/L	10/14/10	01:30	
61764-3S	Cd	54.21358	54.54561	53.88156	0.86612	ug/L	10/14/10	01:30	
61764-3S	Co	520.49658	520.89941	520.09375	0.10945	ug/L	10/14/10	01:30	
61764-3S	Cr	215.54870	215.65286	215.44453	0.06834	ug/L	10/14/10	01:30	
61764-3S	Cu	238.18690	238.92808	237.44572	0.44006	ug/L	10/14/10	01:30	
61764-3S	Fe	4172.46679	4183.38720	4161.54589	0.37014	ug/L	10/14/10	01:30	
61764-3S	2Fe	4.17215	4.18307	4.16123	0.37013	mg/L	10/14/10	01:30	
61764-3S	K	9637.29003	9613.46289	9661.11718	0.34964	ug/L	10/14/10	01:30	
61764-3S	Mg	33051.60937	33062.69531	33040.51953	0.04744	ug/L	10/14/10	01:30	
61764-3S	2Mg	33.04185	33.05293	33.03077	0.04742	mg/L	10/14/10	01:30	
61764-3S	Mn	672.47625	671.84533	673.10717	0.13268	ug/L	10/14/10	01:30	
61764-3S	Mo	530.12023	530.41485	529.82568	0.07858	ug/L	10/14/10	01:30	
61764-3S	Na	97134.89062	97067.49218	97202.28906	0.09812	ug/L	10/14/10	01:30	
61764-3S	Ni	519.19635	519.32238	519.07031	0.03433	ug/L	10/14/10	01:30	
61764-3S	Pb	533.76086	535.33288	532.18884	0.41651	ug/L	10/14/10	01:30	
61764-3S	Se	2083.64794	2080.86474	2086.43139	0.18890	ug/L	10/14/10	01:30	
61764-3S	Sb	488.34515	477.72595	498.96435	3.07524	ug/L	10/14/10	01:30	
61764-3S	Sn	1062.25878	1060.81921	1063.69848	0.19166	ug/L	10/14/10	01:30	
61764-3S	Sr	996.15844	994.04064	998.27618	0.30065	ug/L	10/14/10	01:30	
61764-3S	Ti	986.75329	986.19146	987.31512	0.08052	ug/L	10/14/10	01:30	
61764-3S	Tl	2089.49755	2089.45922	2089.53613	0.00260	ug/L	10/14/10	01:30	
61764-3S	V	510.26458	510.43798	510.09121	0.04805	ug/L	10/14/10	01:30	
61764-3S	Zn	562.89355	563.21685	562.57031	0.08121	ug/L	10/14/10	01:30	
61764-3S	2203/1	538.50622	539.24414	537.76837	0.19378	ug/L	10/14/10	01:30	
61764-3S	2203/2	531.39172	533.38018	529.40325	0.52919	ug/L	10/14/10	01:30	
61764-3S	1960/1	2116.99853	2109.06372	2124.93310	0.53005	ug/L	10/14/10	01:30	
61764-3S	1960/2	2066.99804	2066.78637	2067.20947	0.01447	ug/L	10/14/10	01:30	
61764-3S	Y	1096.52758	1102.51672	1090.53833	0.77243		10/14/10	01:30	

7

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-3SD	Ag	46.07418	46.19588	45.95248	0.37355	ug/L	10/14/10	01:36	
61764-3SD	Al	2000.48608	1997.62780	2003.34423	0.20205	ug/L	10/14/10	01:36	
61764-3SD	2Al	2.00054	1.99768	2.00339	0.20206	mg/L	10/14/10	01:36	
61764-3SD	As	2081.89062	2081.13256	2082.64892	0.05150	ug/L	10/14/10	01:36	
61764-3SD	B	2245.02441	2246.96118	2243.08740	0.12201	ug/L	10/14/10	01:36	
61764-3SD	Ba	2001.60668	2003.71484	1999.49853	0.14894	ug/L	10/14/10	01:36	
61764-3SD	Be	51.78474	51.84649	51.72299	0.16862	ug/L	10/14/10	01:36	
61764-3SD	Ca	144080.65625	144332.34375	143828.96875	0.24704	ug/L	10/14/10	01:36	
61764-3SD	Cd	54.44452	54.76691	54.12214	0.83740	ug/L	10/14/10	01:36	
61764-3SD	Co	523.46618	523.94726	522.98516	0.12996	ug/L	10/14/10	01:36	
61764-3SD	Cr	216.99609	216.84619	217.14598	0.09768	ug/L	10/14/10	01:36	
61764-3SD	Cu	241.05502	240.90249	241.20756	0.08948	ug/L	10/14/10	01:36	
61764-3SD	Fe	4205.57128	4224.03857	4187.10351	0.62101	ug/L	10/14/10	01:36	
61764-3SD	2Fe	4.20525	4.22372	4.18679	0.62098	mg/L	10/14/10	01:36	
61764-3SD	K	9634.41015	9643.17480	9625.64550	0.12865	ug/L	10/14/10	01:36	
61764-3SD	Mg	33051.23046	33093.26171	33009.19921	0.17984	ug/L	10/14/10	01:36	
61764-3SD	2Mg	33.04147	33.08348	32.99945	0.17983	mg/L	10/14/10	01:36	
61764-3SD	Mn	676.26379	677.04504	675.48254	0.16337	ug/L	10/14/10	01:36	
61764-3SD	Mo	531.12207	533.69079	528.55328	0.68398	ug/L	10/14/10	01:36	
61764-3SD	Na	97763.24218	97231.96875	98294.51562	0.76852	ug/L	10/14/10	01:36	
61764-3SD	Ni	522.27148	523.70404	520.83892	0.38790	ug/L	10/14/10	01:36	
61764-3SD	Pb	539.28125	538.80505	539.75744	0.12487	ug/L	10/14/10	01:36	
61764-3SD	Se	2106.55444	2105.86328	2107.24560	0.04640	ug/L	10/14/10	01:36	
61764-3SD	Sb	493.92779	491.90966	495.94589	0.57782	ug/L	10/14/10	01:36	
61764-3SD	Sn	1059.38647	1061.54931	1057.22351	0.28873	ug/L	10/14/10	01:36	
61764-3SD	Sr	996.18286	997.22833	995.13732	0.14842	ug/L	10/14/10	01:36	
61764-3SD	Ti	982.22363	982.43225	982.01495	0.03004	ug/L	10/14/10	01:36	
61764-3SD	Tl	2109.95898	2112.41845	2107.49926	0.16485	ug/L	10/14/10	01:36	
61764-3SD	V	514.59698	515.80297	513.39099	0.33143	ug/L	10/14/10	01:36	
61764-3SD	Zn	566.87835	567.28179	566.47491	0.10064	ug/L	10/14/10	01:36	
61764-3SD	2203/1	544.12890	547.98168	540.27612	1.00135	ug/L	10/14/10	01:36	
61764-3SD	2203/2	536.86108	534.22363	539.49847	0.69475	ug/L	10/14/10	01:36	
61764-3SD	1960/1	2138.79003	2140.33496	2137.24487	0.10216	ug/L	10/14/10	01:36	
61764-3SD	1960/2	2090.46093	2088.65307	2092.26855	0.12229	ug/L	10/14/10	01:36	
61764-3SD	Y	1097.30871	1101.30712	1093.31030	0.51531		10/14/10	01:36	
61764-4	Ag	-0.05086	0.26582	-0.36756	880.45013	ug/L	10/14/10	01:41	
61764-4	Al	-22.05023	-19.31184	-24.78863	17.56297	ug/L	10/14/10	01:41	
61764-4	2Al	-0.02205	-0.01931	-0.02478	17.56301	mg/L	10/14/10	01:41	
61764-4	As	-0.82909	1.60308	-3.26128	414.86279	ug/L	10/14/10	01:41	
61764-4	B	2288.09741	2289.51635	2286.67846	0.08770	ug/L	10/14/10	01:41	
61764-4	Ba	293.33349	293.41864	293.24835	0.04104	ug/L	10/14/10	01:41	
61764-4	Be	0.03207	0.02875	0.03539	14.63587	ug/L	10/14/10	01:41	
61764-4	Ca	115765.18750	115749.89062	115780.48437	0.01868	ug/L	10/14/10	01:41	
61764-4	Cd	-0.27239	-0.37999	-0.16480	55.86089	ug/L	10/14/10	01:41	
61764-4	Co	-0.80026	0.29724	-1.89777	193.94892	ug/L	10/14/10	01:41	
61764-4	Cr	2.05780	2.99627	1.11933	64.49581	ug/L	10/14/10	01:41	
61764-4	Cu	-2.04420	-0.80798	-3.28042	85.52396	ug/L	10/14/10	01:41	
61764-4	Fe	2835.57031	2838.60229	2832.53833	0.15121	ug/L	10/14/10	01:41	
61764-4	2Fe	2.83521	2.83824	2.83217	0.15123	mg/L	10/14/10	01:41	
61764-4	K	10271.85742	10269.94042	10273.77539	0.02639	ug/L	10/14/10	01:41	
61764-4	Mg	21603.44921	21600.19726	21606.70117	0.02128	ug/L	10/14/10	01:41	
61764-4	2Mg	21.59727	21.59402	21.60053	0.02129	mg/L	10/14/10	01:41	
61764-4	Mn	930.59381	930.70703	930.48059	0.01720	ug/L	10/14/10	01:41	
61764-4	Mo	32.42129	32.53759	32.30499	0.50730	ug/L	10/14/10	01:41	
61764-4	Na	43812.50781	43655.13281	43969.87890	0.50798	ug/L	10/14/10	01:41	
61764-4	Ni	1.31070	1.30932	1.31208	0.14895	ug/L	10/14/10	01:41	
61764-4	Pb	1.41765	1.06883	1.76647	34.79710	ug/L	10/14/10	01:41	
61764-4	Se	0.40914	0.74985	0.06844	117.76490	ug/L	10/14/10	01:41	
61764-4	Sb	0.72382	-0.28642	1.73408	197.38357	ug/L	10/14/10	01:41	
61764-4	Sn	-4.76334	-5.27494	-4.25175	15.18900	ug/L	10/14/10	01:41	
61764-4	Sr	806.37744	807.31585	805.43896	0.16458	ug/L	10/14/10	01:41	
61764-4	Ti	0.31488	0.89963	-0.26986	262.62130	ug/L	10/14/10	01:41	
61764-4	Tl	9.46056	8.05063	10.87049	21.07637	ug/L	10/14/10	01:41	
61764-4	V	-0.09725	-0.44864	0.25413	510.96505	ug/L	10/14/10	01:41	
61764-4	Zn	14.19202	15.29038	13.09366	10.94497	ug/L	10/14/10	01:41	
61764-4	2203/1	-2.26984	-1.89591	-2.64376	23.29725	ug/L	10/14/10	01:41	
61764-4	2203/2	3.25863	2.54899	3.96828	30.79792	ug/L	10/14/10	01:41	
61764-4	1960/1	3.97821	5.32701	2.62942	47.94819	ug/L	10/14/10	01:41	
61764-4	1960/2	-1.37271	-1.53529	-1.21013	16.74977	ug/L	10/14/10	01:41	
61764-4	Y	1095.66650	1096.86352	1094.46960	0.15449		10/14/10	01:41	

75

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	469.01522	468.01141	470.01904	0.30267	ug/L	10/14/10	01:46	
CCV	Al	4785.74511	4749.37988	4822.11035	1.07461	ug/L	10/14/10	01:46	
CCV	2Al	4.78574	4.74929	4.82220	1.07735	mg/L	10/14/10	01:46	
CCV	As	495.56646	491.65441	499.47848	1.11638	ug/L	10/14/10	01:46	
CCV	B	4834.15234	4789.65625	4878.64892	1.30172	ug/L	10/14/10	01:46	
CCV	Ba	4678.20751	4648.63085	4707.78417	0.89409	ug/L	10/14/10	01:46	
CCV	Be	494.52429	491.26663	497.78195	0.93160	ug/L	10/14/10	01:46	
CCV	Ca	5178.21582	5133.54785	5222.88427	1.21992	ug/L	10/14/10	01:46	
CCV	Cd	513.46691	508.89083	518.04302	1.26036	ug/L	10/14/10	01:46	
CCV	Co	504.77392	500.93060	508.61727	1.07677	ug/L	10/14/10	01:46	
CCV	Cr	4970.26855	4937.71093	5002.82617	0.92637	ug/L	10/14/10	01:46	
CCV	Cu	4632.51660	4601.52001	4663.51367	0.94627	ug/L	10/14/10	01:46	
CCV	Fe	4961.71386	4924.98925	4998.43847	1.04674	ug/L	10/14/10	01:46	
CCV	2Fe	4.96171	4.92499	4.99843	1.04672	mg/L	10/14/10	01:46	
CCV	K	9251.29003	9170.71972	9331.86035	1.23165	ug/L	10/14/10	01:46	
CCV	Mg	5345.24072	5300.69433	5389.78710	1.17858	ug/L	10/14/10	01:46	
CCV	2Mg	5.34513	5.30059	5.38967	1.17851	mg/L	10/14/10	01:46	
CCV	Mn	4965.37890	4931.93359	4998.82421	0.95257	ug/L	10/14/10	01:46	
CCV	Mo	496.41854	490.88763	501.94946	1.57566	ug/L	10/14/10	01:46	
CCV	Na	7259.35156	7357.79638	7160.90673	1.91782	ug/L	10/14/10	01:46	
CCV	Ni	2552.63525	2534.19946	2571.07080	1.02137	ug/L	10/14/10	01:46	
CCV	Pb	533.55456	538.56433	528.54486	1.32785	ug/L	10/14/10	01:46	
CCV	Se	5042.66503	5082.82421	5002.50585	1.12626	ug/L	10/14/10	01:46	
CCV	Sb	475.01977	471.27297	478.76654	1.11547	ug/L	10/14/10	01:46	
CCV	Sn	5100.89160	5065.07421	5136.70898	0.99303	ug/L	10/14/10	01:46	
CCV	Sr	2304.20605	2287.42553	2320.98681	1.02991	ug/L	10/14/10	01:46	
CCV	Ti	481.75604	478.85488	484.65716	0.85164	ug/L	10/14/10	01:46	
CCV	Tl	4947.73046	4904.62060	4990.84033	1.23221	ug/L	10/14/10	01:46	
CCV	V	4933.55761	4904.93847	4962.17626	0.82036	ug/L	10/14/10	01:46	
CCV	Zn	2677.75585	2657.34936	2698.16235	1.07773	ug/L	10/14/10	01:46	
CCV	2203/1	540.28015	544.58856	535.97167	1.12775	ug/L	10/14/10	01:46	
CCV	2203/2	530.19689	535.55676	524.83697	1.42966	ug/L	10/14/10	01:46	
CCV	1960/1	5131.16503	5158.83837	5103.49169	0.76271	ug/L	10/14/10	01:46	
CCV	1960/2	4998.48144	5044.87402	4952.08837	1.31258	ug/L	10/14/10	01:46	
CCV	Y	1101.97070	1095.26757	1108.67395	0.86025		10/14/10	01:46	
CCB	Ag	-0.76029	-0.71224	-0.80835	8.93870	ug/L	10/14/10	01:51	
CCB	Al	-17.48562	-17.34206	-17.62917	1.16105	ug/L	10/14/10	01:51	
CCB	2Al	-0.01748	-0.01734	-0.01762	1.16106	mg/L	10/14/10	01:51	
CCB	As	-2.56843	-3.08746	-2.04939	28.57871	ug/L	10/14/10	01:51	
CCB	B	8.36600	9.72279	7.00922	22.93547	ug/L	10/14/10	01:51	
CCB	Ba	0.88024	0.29838	1.46210	93.48233	ug/L	10/14/10	01:51	
CCB	Be	0.12256	0.05330	0.19182	79.91756	ug/L	10/14/10	01:51	
CCB	Ca	12.86470	10.00881	15.72058	31.39468	ug/L	10/14/10	01:51	
CCB	Cd	-0.01469	0.00319	-0.03258	172.18304	ug/L	10/14/10	01:51	
CCB	Co	-0.27319	-0.29989	-0.24648	13.82398	ug/L	10/14/10	01:51	
CCB	Cr	0.79046	0.74989	0.83102	7.25723	ug/L	10/14/10	01:51	
CCB	Cu	0.61628	0.10161	1.13095	118.10263	ug/L	10/14/10	01:51	
CCB	Fe	-14.51841	-5.56060	-23.47621	87.25645	ug/L	10/14/10	01:51	
CCB	2Fe	-0.01451	-0.00556	-0.02347	87.25595	mg/L	10/14/10	01:51	
CCB	K	-27.22847	-17.75112	-36.70582	49.22419	ug/L	10/14/10	01:51	
CCB	Mg	3.50667	3.50836	3.50498	0.06819	ug/L	10/14/10	01:51	
CCB	2Mg	0.00350	0.00350	0.00350	0.00850	mg/L	10/14/10	01:51	
CCB	Mn	1.34791	0.63518	2.06064	74.77844	ug/L	10/14/10	01:51	
CCB	Mo	-1.05634	-0.83038	-1.28229	30.25049	ug/L	10/14/10	01:51	
CCB	Na	-176.93182	57.26582	-411.12948	187.19384	ug/L	10/14/10	01:51	
CCB	Ni	-0.41367	-0.66924	-0.15810	87.36959	ug/L	10/14/10	01:51	
CCB	Pb	2.72112	2.38096	3.06128	17.67870	ug/L	10/14/10	01:51	
CCB	Se	1.72438	-1.00240	4.45118	223.63119	ug/L	10/14/10	01:51	
CCB	Sb	-4.47430	-3.87358	-5.07502	18.98728	ug/L	10/14/10	01:51	
CCB	Sn	-3.67920	-1.34609	-6.01232	89.68014	ug/L	10/14/10	01:51	
CCB	Sr	0.55567	0.23624	0.87509	81.29466	ug/L	10/14/10	01:51	
CCB	Ti	0.17466	0.35561	-0.00628	146.51390	ug/L	10/14/10	01:51	
CCB	Tl	8.79543	7.60115	9.98972	19.20289	ug/L	10/14/10	01:51	
CCB	V	-0.45574	-0.03025	-0.88124	132.03396	ug/L	10/14/10	01:51	
CCB	Zn	0.66981	0.39312	0.94650	58.41900	ug/L	10/14/10	01:51	
CCB	2203/1	-2.41277	0.32256	-5.14810	160.32797	ug/L	10/14/10	01:51	
CCB	2203/2	5.28421	3.40861	7.15982	50.19667	ug/L	10/14/10	01:51	
CCB	1960/1	1.19514	-3.19005	5.58033	518.90063	ug/L	10/14/10	01:51	
CCB	1960/2	1.98861	0.08977	3.88745	135.03686	ug/L	10/14/10	01:51	
CCB	Y	1109.70715	1111.83239	1107.58190	0.27084		10/14/10	01:51	

76

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-5	Ag	-0.49592	-0.42414	-0.56771	20.46995	ug/L	10/14/10	01:57	
61764-5	Al	-6.19323	-9.02143	-3.36502	64.58157	ug/L	10/14/10	01:57	
61764-5	2Al	-0.00619	-0.00902	-0.00336	64.58150	mg/L	10/14/10	01:57	
61764-5	As	-0.77388	-2.14653	0.59876	250.84141	ug/L	10/14/10	01:57	
61764-5	B	282.28723	281.32260	283.25189	0.48327	ug/L	10/14/10	01:57	
61764-5	Ba	38.56172	38.51459	38.60886	0.17287	ug/L	10/14/10	01:57	
61764-5	Be	0.08280	0.07952	0.08608	5.59906	ug/L	10/14/10	01:57	
61764-5	Ca	172791.28125	173035.06250	172547.50000	0.19952	ug/L	10/14/10	01:57	
61764-5	Cd	0.63501	0.55625	0.71377	17.54100	ug/L	10/14/10	01:57	
61764-5	Co	9.23382	9.00743	9.46022	3.46740	ug/L	10/14/10	01:57	
61764-5	Cr	5.71535	5.74878	5.68191	0.82739	ug/L	10/14/10	01:57	
61764-5	Cu	1.69416	1.46086	1.92745	19.47432	ug/L	10/14/10	01:57	
61764-5	Fe	29840.72656	29864.81445	29816.63671	0.11416	ug/L	10/14/10	01:57	
61764-5	2Fe	29.83471	29.85768	29.81174	0.10889	mg/L	10/14/10	01:57	
61764-5	K	2535.58154	2530.06347	2541.09960	0.30776	ug/L	10/14/10	01:57	
61764-5	Mg	11909.41796	11918.23144	11900.60351	0.10466	ug/L	10/14/10	01:57	
61764-5	2Mg	11.90139	11.91020	11.89258	0.10466	mg/L	10/14/10	01:57	
61764-5	Mn	1277.10400	1278.83874	1275.36926	0.19209	ug/L	10/14/10	01:57	
61764-5	Mo	52.80959	53.58760	52.03158	2.08346	ug/L	10/14/10	01:57	
61764-5	Na	17714.97265	17635.83398	17794.11132	0.63177	ug/L	10/14/10	01:57	
61764-5	Ni	14.33712	14.21261	14.46162	1.22811	ug/L	10/14/10	01:57	
61764-5	Pb	0.03654	-1.55796	1.63104	6170.63476	ug/L	10/14/10	01:57	
61764-5	Se	0.56812	2.98356	-1.84731	601.26629	ug/L	10/14/10	01:57	
61764-5	Sb	-3.98821	-3.40765	-4.56877	20.58652	ug/L	10/14/10	01:57	
61764-5	Sn	-6.25613	-6.59628	-5.91597	7.68936	ug/L	10/14/10	01:57	
61764-5	Sr	354.21942	354.28863	354.15017	0.02763	ug/L	10/14/10	01:57	
61764-5	Ti	-0.05266	-0.24119	0.13586	506.25286	ug/L	10/14/10	01:57	
61764-5	Tl	4.24088	3.67185	4.80992	18.97570	ug/L	10/14/10	01:57	
61764-5	V	-1.12947	-1.60753	-0.65141	59.85805	ug/L	10/14/10	01:57	
61764-5	Zn	28.86224	28.49637	29.22812	1.79274	ug/L	10/14/10	01:57	
61764-5	2203/1	-2.30800	-3.38872	-1.22728	66.22048	ug/L	10/14/10	01:57	
61764-5	2203/2	1.20705	-0.64395	3.05806	216.86782	ug/L	10/14/10	01:57	
61764-5	1960/1	-1.69810	-3.42440	0.02819	143.76924	ug/L	10/14/10	01:57	
61764-5	1960/2	1.69954	6.18274	-2.78366	373.05377	ug/L	10/14/10	01:57	
61764-5	Y	1112.68066	1113.86511	1111.49633	0.15053		10/14/10	01:57	
61764-6	Ag	0.04100	1.17878	-1.09678	3924.55200	ug/L	10/14/10	02:02	
61764-6	Al	52.51255	54.68769	50.33740	5.85786	ug/L	10/14/10	02:02	
61764-6	2Al	0.05251	0.05468	0.05033	5.85788	mg/L	10/14/10	02:02	
61764-6	As	-2.05866	-6.56160	2.44426	309.33145	ug/L	10/14/10	02:02	
61764-6	B	49.03822	49.59616	48.48028	1.60903	ug/L	10/14/10	02:02	
61764-6	Ba	93.57650	93.77455	93.37847	0.29929	ug/L	10/14/10	02:02	
61764-6	Be	0.01691	0.02623	0.00760	77.82254	ug/L	10/14/10	02:02	
61764-6	Ca	82472.26562	82467.68750	82476.83593	0.00784	ug/L	10/14/10	02:02	
61764-6	Cd	-0.28855	-0.14625	-0.43086	69.74319	ug/L	10/14/10	02:02	
61764-6	Co	0.70960	0.90435	0.51486	38.81201	ug/L	10/14/10	02:02	
61764-6	Cr	210.87571	211.45033	210.30110	0.38535	ug/L	10/14/10	02:02	
61764-6	Cu	0.08730	0.06675	0.10786	33.29541	ug/L	10/14/10	02:02	
61764-6	Fe	198.96154	208.38562	189.53746	6.69861	ug/L	10/14/10	02:02	
61764-6	2Fe	0.19893	0.20835	0.18951	6.69871	mg/L	10/14/10	02:02	
61764-6	K	2934.36132	2946.71069	2922.01171	0.59518	ug/L	10/14/10	02:02	
61764-6	Mg	38864.65234	38855.64453	38873.66015	0.03277	ug/L	10/14/10	02:02	
61764-6	2Mg	38.85368	38.84467	38.86268	0.03278	mg/L	10/14/10	02:02	
61764-6	Mn	88.13944	88.13500	88.14387	0.00711	ug/L	10/14/10	02:02	
61764-6	Mo	72.03366	72.30076	71.76654	0.52440	ug/L	10/14/10	02:02	
61764-6	Na	67099.37500	67655.78125	66542.96093	1.17271	ug/L	10/14/10	02:02	
61764-6	Ni	2.38041	2.89786	1.86295	30.74221	ug/L	10/14/10	02:02	
61764-6	Pb	1.73845	2.44958	1.02732	57.84949	ug/L	10/14/10	02:02	
61764-6	Se	1.67680	1.84002	1.51359	13.76556	ug/L	10/14/10	02:02	
61764-6	Sb	-0.62995	4.10650	-5.36641	1063.30859	ug/L	10/14/10	02:02	
61764-6	Sn	-3.73429	-3.33266	-4.13592	15.21012	ug/L	10/14/10	02:02	
61764-6	Sr	304.24212	304.21798	304.26629	0.01122	ug/L	10/14/10	02:02	
61764-6	Ti	3.26090	3.40188	3.11993	6.11396	ug/L	10/14/10	02:02	
61764-6	Tl	1.57478	1.41409	1.73548	14.43095	ug/L	10/14/10	02:02	
61764-6	V	16.48618	17.44637	15.52598	8.23669	ug/L	10/14/10	02:02	
61764-6	Zn	6.09526	5.60542	6.58509	11.36515	ug/L	10/14/10	02:02	
61764-6	2203/1	-0.00103	3.06766	-3.06974	417630.78125	ug/L	10/14/10	02:02	
61764-6	2203/2	2.60690	2.14101	3.07279	25.27396	ug/L	10/14/10	02:02	
61764-6	1960/1	0.91837	2.75126	-0.91452	282.25021	ug/L	10/14/10	02:02	
61764-6	1960/2	2.05545	1.38508	2.72583	46.12353	ug/L	10/14/10	02:02	
61764-6	Y	1109.69873	1104.59155	1114.80590	0.65086		10/14/10	02:02	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-7	Ag	-0.08542	0.13982	-0.31067	372.90960	ug/L	10/14/10	02:07	
61764-7	Al	16.00425	14.12781	17.88070	16.58118	ug/L	10/14/10	02:07	
61764-7	2Al	0.01600	0.01412	0.01788	16.58246	mg/L	10/14/10	02:07	
61764-7	As	4.91995	5.10707	4.73282	5.37892	ug/L	10/14/10	02:07	
61764-7	B	173.00640	171.84999	174.16281	0.94528	ug/L	10/14/10	02:07	
61764-7	Ba	44.09213	43.94791	44.23635	0.46256	ug/L	10/14/10	02:07	
61764-7	Be	0.03722	0.04032	0.03412	11.78356	ug/L	10/14/10	02:07	
61764-7	Ca	6446.82714	6438.87255	6454.78125	0.17449	ug/L	10/14/10	02:07	
61764-7	Cd	-0.19275	-0.34008	-0.04543	108.08816	ug/L	10/14/10	02:07	
61764-7	Co	0.88812	0.30929	1.46694	92.16993	ug/L	10/14/10	02:07	
61764-7	Cr	689.94604	689.09478	690.79730	0.17448	ug/L	10/14/10	02:07	
61764-7	Cu	1.22868	0.74550	1.71187	55.61396	ug/L	10/14/10	02:07	
61764-7	Fe	238.37942	229.09951	247.65934	5.50541	ug/L	10/14/10	02:07	
61764-7	2Fe	0.23835	0.22907	0.24763	5.50531	mg/L	10/14/10	02:07	
61764-7	K	1049.65136	1049.18359	1050.11901	0.06301	ug/L	10/14/10	02:07	
61764-7	Mg	2723.58520	2719.86572	2727.30468	0.19313	ug/L	10/14/10	02:07	
61764-7	2Mg	2.72278	2.71907	2.72650	0.19305	mg/L	10/14/10	02:07	
61764-7	Mn	27.49382	27.42928	27.55835	0.33196	ug/L	10/14/10	02:07	
61764-7	Mo	236.63290	236.65393	236.61186	0.01257	ug/L	10/14/10	02:07	
61764-7	Na	635911.37500	635897.81250	635924.93750	0.00301	ug/L	10/14/10	02:07	
61764-7	Ni	4.76758	4.73018	4.80498	1.10949	ug/L	10/14/10	02:07	
61764-7	Pb	2.17265	2.25198	2.09331	5.16392	ug/L	10/14/10	02:07	
61764-7	Se	-1.44453	0.25354	-3.14260	166.24340	ug/L	10/14/10	02:07	
61764-7	Sb	-2.36252	1.29420	-6.01925	218.89279	ug/L	10/14/10	02:07	
61764-7	Sn	-3.32683	-3.81389	-2.83977	20.70466	ug/L	10/14/10	02:07	
61764-7	Sr	37.76058	37.79000	37.73115	0.11018	ug/L	10/14/10	02:07	
61764-7	Ti	1.00824	0.88915	1.12732	16.70328	ug/L	10/14/10	02:07	
61764-7	Tl	2.78137	4.29881	1.26392	77.15587	ug/L	10/14/10	02:07	
61764-7	V	130.41519	130.59925	130.23112	0.19960	ug/L	10/14/10	02:07	
61764-7	Zn	5.65068	5.69042	5.61094	0.99447	ug/L	10/14/10	02:07	
61764-7	2203/1	2.84766	4.27914	1.41618	71.09035	ug/L	10/14/10	02:07	
61764-7	2203/2	1.83566	1.23994	2.43137	45.89454	ug/L	10/14/10	02:07	
61764-7	1960/1	3.84085	2.30152	5.38018	56.67846	ug/L	10/14/10	02:07	
61764-7	1960/2	-4.08326	-0.76891	-7.39761	114.79042	ug/L	10/14/10	02:07	
61764-7	Y	1076.43481	1074.39355	1078.47595	0.26817		10/14/10	02:07	
61764-8	Ag	0.16265	0.26128	0.06402	85.75500	ug/L	10/14/10	02:13	
61764-8	Al	8.37934	10.23367	6.52502	31.29614	ug/L	10/14/10	02:13	
61764-8	2Al	0.00837	0.01023	0.00652	31.29730	mg/L	10/14/10	02:13	
61764-8	As	-1.03221	3.74555	-5.80998	654.59216	ug/L	10/14/10	02:13	
61764-8	B	307.96875	308.28988	307.64761	0.14746	ug/L	10/14/10	02:13	
61764-8	Ba	73.33096	73.31735	73.34457	0.02624	ug/L	10/14/10	02:13	
61764-8	Be	0.02860	0.02056	0.03665	39.75798	ug/L	10/14/10	02:13	
61764-8	Ca	37340.73437	37316.20703	37365.25781	0.09288	ug/L	10/14/10	02:13	
61764-8	Cd	0.33728	0.31987	0.35470	7.30118	ug/L	10/14/10	02:13	
61764-8	Co	1.55747	1.32142	1.79351	21.43341	ug/L	10/14/10	02:13	
61764-8	Cr	98.92063	98.19741	99.64384	1.03393	ug/L	10/14/10	02:13	
61764-8	Cu	2.80106	3.04171	2.56042	12.14969	ug/L	10/14/10	02:13	
61764-8	Fe	198.29260	187.93853	208.64665	7.38446	ug/L	10/14/10	02:13	
61764-8	2Fe	0.19827	0.18791	0.20862	7.38442	mg/L	10/14/10	02:13	
61764-8	K	6133.40039	6128.29541	6138.50488	0.11770	ug/L	10/14/10	02:13	
61764-8	Mg	35816.39843	35766.03906	35866.76171	0.19885	ug/L	10/14/10	02:13	
61764-8	2Mg	35.80483	35.75304	35.85662	0.20456	mg/L	10/14/10	02:13	
61764-8	Mn	53.78248	53.72771	53.83725	0.14402	ug/L	10/14/10	02:13	
61764-8	Mo	339.28234	338.11831	340.44638	0.48519	ug/L	10/14/10	02:13	
61764-8	Na	224248.67187	224726.10937	223771.23437	0.30109	ug/L	10/14/10	02:13	
61764-8	Ni	2.87978	2.67942	3.08014	9.83931	ug/L	10/14/10	02:13	
61764-8	Pb	2.60373	3.50190	1.70557	48.78363	ug/L	10/14/10	02:13	
61764-8	Se	-0.21268	3.55032	-3.97569	2502.13891	ug/L	10/14/10	02:13	
61764-8	Sb	-0.29253	-0.43692	-0.14814	69.80446	ug/L	10/14/10	02:13	
61764-8	Sn	-3.96113	-4.85790	-3.06436	32.01679	ug/L	10/14/10	02:13	
61764-8	Sr	287.42617	287.35678	287.49557	0.03414	ug/L	10/14/10	02:13	
61764-8	Ti	-0.43798	-0.43904	-0.43693	0.34032	ug/L	10/14/10	02:13	
61764-8	Tl	3.73744	7.26581	0.20907	133.51007	ug/L	10/14/10	02:13	
61764-8	V	29.44652	29.34823	29.54480	0.47203	ug/L	10/14/10	02:13	
61764-8	Zn	4.40879	4.59907	4.21851	6.10361	ug/L	10/14/10	02:13	
61764-8	2203/1	0.03056	-0.31383	0.37496	1593.48071	ug/L	10/14/10	02:13	
61764-8	2203/2	3.88839	5.40690	2.36987	55.22860	ug/L	10/14/10	02:13	
61764-8	1960/1	-1.85203	0.55038	-4.25446	183.44902	ug/L	10/14/10	02:13	
61764-8	1960/2	0.60576	5.04803	-3.83651	1037.09643	ug/L	10/14/10	02:13	
61764-8	Y	1103.01660	1101.32397	1104.70910	0.21700		10/14/10	02:13	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-9	Ag	-0.90413	-0.76166	-1.04660	22.28499	ug/L	10/14/10	02:18	
61764-9	Al	41.17940	42.84237	39.51643	5.71108	ug/L	10/14/10	02:18	
61764-9	2Al	0.04118	0.04284	0.03951	5.71116	mg/L	10/14/10	02:18	
61764-9	As	2.32520	1.08054	3.56987	75.70151	ug/L	10/14/10	02:18	
61764-9	B	20.10429	20.11230	20.09628	0.05633	ug/L	10/14/10	02:18	
61764-9	Ba	96.69194	96.76008	96.62378	0.09967	ug/L	10/14/10	02:18	
61764-9	Be	0.01474	0.00374	0.02573	105.51129	ug/L	10/14/10	02:18	
61764-9	Ca	27192.70898	27174.78125	27210.63671	0.09323	ug/L	10/14/10	02:18	
61764-9	Cd	0.03361	0.02153	0.04568	50.80671	ug/L	10/14/10	02:18	
61764-9	Co	0.03592	0.44028	-0.36844	1591.94348	ug/L	10/14/10	02:18	
61764-9	Cr	78.47509	78.71566	78.23452	0.43352	ug/L	10/14/10	02:18	
61764-9	Cu	1.09319	1.06191	1.12446	4.04582	ug/L	10/14/10	02:18	
61764-9	Fe	66.84985	64.64616	69.05354	4.66192	ug/L	10/14/10	02:18	
61764-9	2Fe	0.06684	0.06464	0.06905	4.66124	mg/L	10/14/10	02:18	
61764-9	K	1394.92260	1394.48229	1395.36303	0.04464	ug/L	10/14/10	02:18	
61764-9	Mg	4814.92773	4816.55810	4813.29687	0.04789	ug/L	10/14/10	02:18	
61764-9	2Mg	4.81355	4.81518	4.81192	0.04790	mg/L	10/14/10	02:18	
61764-9	Mn	0.34985	0.40288	0.29682	21.43593	ug/L	10/14/10	02:18	
61764-9	Mo	73.43485	73.08505	73.78465	0.67364	ug/L	10/14/10	02:18	
61764-9	Na	21690.58984	21751.22070	21629.95898	0.39530	ug/L	10/14/10	02:18	
61764-9	Ni	0.43486	0.81497	0.05474	123.61785	ug/L	10/14/10	02:18	
61764-9	Pb	1.47024	1.50485	1.43563	3.32919	ug/L	10/14/10	02:18	
61764-9	Se	-0.27556	1.05439	-1.60552	682.55041	ug/L	10/14/10	02:18	
61764-9	Sb	-5.32605	-6.35636	-4.29575	27.35750	ug/L	10/14/10	02:18	
61764-9	Sn	-3.24226	-0.76437	-5.72016	108.08097	ug/L	10/14/10	02:18	
61764-9	Sr	98.43405	98.44882	98.41928	0.02122	ug/L	10/14/10	02:18	
61764-9	Ti	-0.31787	-0.36022	-0.27552	18.83977	ug/L	10/14/10	02:18	
61764-9	Tl	0.31628	-1.57085	2.20341	843.81280	ug/L	10/14/10	02:18	
61764-9	V	58.77122	58.89154	58.65090	0.28952	ug/L	10/14/10	02:18	
61764-9	Zn	9.20945	9.51351	8.90539	4.66918	ug/L	10/14/10	02:18	
61764-9	2203/1	-3.01932	-3.74369	-2.29496	33.92821	ug/L	10/14/10	02:18	
61764-9	2203/2	3.71166	4.12519	3.29814	15.75611	ug/L	10/14/10	02:18	
61764-9	1960/1	-8.34071	-7.92824	-8.75319	6.99368	ug/L	10/14/10	02:18	
61764-9	1960/2	3.75097	5.53898	1.96295	67.41276	ug/L	10/14/10	02:18	
61764-9	Y	1127.09094	1126.70874	1127.47314	0.04795		10/14/10	02:18	
61764-10	Ag	-0.41087	-0.31245	-0.50929	33.87494	ug/L	10/14/10	02:23	
61764-10	Al	-9.53736	-12.23367	-6.84106	39.98117	ug/L	10/14/10	02:23	
61764-10	2Al	-0.00953	-0.01223	-0.00684	39.98117	mg/L	10/14/10	02:23	
61764-10	As	-3.02568	-5.74951	-0.30186	127.31216	ug/L	10/14/10	02:23	
61764-10	B	210.75912	209.94761	211.57061	0.54452	ug/L	10/14/10	02:23	
61764-10	Ba	72.76608	72.65415	72.87799	0.21751	ug/L	10/14/10	02:23	
61764-10	Be	0.00799	0.00106	0.01492	122.55941	ug/L	10/14/10	02:23	
61764-10	Ca	121368.18750	121154.50781	121581.86718	0.24898	ug/L	10/14/10	02:23	
61764-10	Cd	1.14897	1.17960	1.11834	3.77044	ug/L	10/14/10	02:23	
61764-10	Co	0.35138	0.18317	0.51960	67.69887	ug/L	10/14/10	02:23	
61764-10	Cr	55.48415	55.11510	55.85321	0.94067	ug/L	10/14/10	02:23	
61764-10	Cu	4.01908	3.50611	4.53205	18.05017	ug/L	10/14/10	02:23	
61764-10	Fe	83.43641	72.92775	93.94506	17.81174	ug/L	10/14/10	02:23	
61764-10	2Fe	0.08342	0.07291	0.09393	17.81193	mg/L	10/14/10	02:23	
61764-10	K	5574.27148	5559.63916	5588.90380	0.37122	ug/L	10/14/10	02:23	
61764-10	Mg	20419.00781	20380.29492	20457.72070	0.26812	ug/L	10/14/10	02:23	
61764-10	2Mg	20.41323	20.37453	20.45192	0.26810	mg/L	10/14/10	02:23	
61764-10	Mn	0.64584	0.65090	0.64079	1.10673	ug/L	10/14/10	02:23	
61764-10	Mo	29.03791	29.57710	28.49873	2.62595	ug/L	10/14/10	02:23	
61764-10	Na	56992.41406	56960.00390	57024.82031	0.08041	ug/L	10/14/10	02:23	
61764-10	Ni	2.31263	1.92281	2.70245	23.83793	ug/L	10/14/10	02:23	
61764-10	Pb	1.96308	0.70058	3.22557	90.95103	ug/L	10/14/10	02:23	
61764-10	Se	0.01854	2.02132	-1.98423	15273.73046	ug/L	10/14/10	02:23	
61764-10	Sb	-2.86472	-1.79226	-3.93719	52.94374	ug/L	10/14/10	02:23	
61764-10	Sn	-7.28164	-7.91121	-6.65206	12.22736	ug/L	10/14/10	02:23	
61764-10	Sr	673.84661	672.37799	675.31524	0.30822	ug/L	10/14/10	02:23	
61764-10	Ti	-0.33724	-0.34819	-0.32629	4.59147	ug/L	10/14/10	02:23	
61764-10	Tl	1.39711	-1.34170	4.13592	277.23434	ug/L	10/14/10	02:23	
61764-10	V	-0.65249	-0.70805	-0.59694	12.04072	ug/L	10/14/10	02:23	
61764-10	Zn	12.72000	12.69954	12.74046	0.22747	ug/L	10/14/10	02:23	
61764-10	2203/1	-3.89134	-3.01132	-4.77135	31.98202	ug/L	10/14/10	02:23	
61764-10	2203/2	4.88590	2.55375	7.21805	67.50352	ug/L	10/14/10	02:23	
61764-10	1960/1	-0.04195	7.25263	-7.33654	24588.65625	ug/L	10/14/10	02:23	
61764-10	1960/2	0.04875	-0.59041	0.68792	1854.06640	ug/L	10/14/10	02:23	
61764-10	Y	1080.34497	1082.00390	1078.68591	0.21716		10/14/10	02:23	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-11	Ag	0.23726	0.51537	-0.04084	165.76542	ug/L	10/14/10	02:29	
61764-11	Al	14.24889	14.48799	14.00978	2.37315	ug/L	10/14/10	02:29	
61764-11	2Al	0.01424	0.01448	0.01401	2.37317	mg/L	10/14/10	02:29	
61764-11	As	1.10657	2.37727	-0.16413	162.39756	ug/L	10/14/10	02:29	
61764-11	B	675.33465	674.45959	676.20971	0.18324	ug/L	10/14/10	02:29	
61764-11	Ba	20.34704	20.19866	20.49542	1.03131	ug/L	10/14/10	02:29	
61764-11	Be	0.16299	0.16284	0.16313	0.12711	ug/L	10/14/10	02:29	
61764-11	Ca	25081.64453	25028.21679	25135.07226	0.30124	ug/L	10/14/10	02:29	
61764-11	Cd	-0.14859	-0.32589	0.02871	168.74630	ug/L	10/14/10	02:29	
61764-11	Co	6.97570	7.14858	6.80282	3.50483	ug/L	10/14/10	02:29	
61764-11	Cr	7.18552	7.40295	6.96809	4.27936	ug/L	10/14/10	02;29	
61764-11	Cu	1.62489	1.77586	1.47393	13.13889	ug/L	10/14/10	02:29	
61764-11	Fe	1695.25573	1686.40612	1704.10534	0.73825	ug/L	10/14/10	02:29	
61764-11	2Fe	1.69504	1.68619	1.70389	0.73824	mg/L	10/14/10	02:29	
61764-11	K	2931.29052	2912.61621	2949.96508	0.90095	ug/L	10/14/10	02:29	
61764-11	Mg	12160.16992	12121.33496	12199.00488	0.45164	ug/L	10/14/10	02:29	
61764-11	2Mg	12.15646	12.11764	12.19529	0.45164	mg/L	10/14/10	02:29	
61764-11	Mn	63.58968	63.54441	63.63494	0.10067	ug/L	10/14/10	02:29	
61764-11	Mo	5045.05175	5028.65478	5061.44824	0.45962	ug/L	10/14/10	02:29	
61764-11	Na	396568.62500	395880.87500	397256.40625	0.24526	ug/L	10/14/10	02:29	
61764-11	Ni	13.93173	13.35715	14.50630	5.83251	ug/L	10/14/10	02:29	
61764-11	Pb	-2.63754	-0.96128	-4.31380	89.87877	ug/L	10/14/10	02:29	
61764-11	Se	0.18927	2.25614	-1.87759	1544.32116	ug/L	10/14/10	02:29	
61764-11	Sb	-20.41901	-17.00820	-23.82982	23.62314	ug/L	10/14/10	02:29	
61764-11	Sn	-4.23315	-4.44658	-4.01971	7.13044	ug/L	10/14/10	02:29	
61764-11	Sr	293.41088	292.83184	293.98992	0.27909	ug/L	10/14/10	02:29	
61764-11	Ti	-0.33809	-0.20260	-0.47358	56.67411	ug/L	10/14/10	02:29	
61764-11	Tl	-2.44420	-4.29920	-0.58920	107.33001	ug/L	10/14/10	02:29	
61764-11	V	16.20548	16.03854	16.37241	1.45678	ug/L	10/14/10	02:29	
61764-11	Zn	10.87856	11.37513	10.38200	6.45533	ug/L	10/14/10	02:29	
61764-11	2203/1	-0.46918	-3.96671	3.02834	1054.22375	ug/L	10/14/10	02:29	
61764-11	2203/2	-3.72009	0.53918	-7.97937	161.91857	ug/L	10/14/10	02:29	
61764-11	1960/1	-2.33162	-6.82833	2.16508	272.74145	ug/L	10/14/10	02:29	
61764-11	1960/2	1.44783	6.79157	-3.89590	521.96527	ug/L	10/14/10	02:29	
61764-11	Y	1051.64636	1053.43554	1049.85717	0.24060		10/14/10	02:29	
61764-12	Ag	-1.20744	-2.01563	-0.39926	94.65798	ug/L	10/14/10	02:34	
61764-12	Al	-15.68239	-14.82556	-16.53923	7.72679	ug/L	10/14/10	02:34	
61764-12	2Al	-0.01568	-0.01482	-0.01653	7.72684	mg/L	10/14/10	02:34	
61764-12	As	-1.32136	-4.33479	1.69206	322.51660	ug/L	10/14/10	02:34	
61764-12	B	149.63922	150.47065	148.80780	0.78576	ug/L	10/14/10	02:34	
61764-12	Ba	14.96545	14.84408	15.08682	1.14694	ug/L	10/14/10	02:34	
61764-12	Be	-0.00256	0.01088	-0.01601	741.11834	ug/L	10/14/10	02:34	
61764-12	Ca	47745.68359	47702.75000	47788.61718	0.12716	ug/L	10/14/10	02:34	
61764-12	Cd	-0.09185	-0.28811	0.10441	302.19039	ug/L	10/14/10	02:34	
61764-12	Co	4.30505	3.73308	4.87702	18.78921	ug/L	10/14/10	02:34	
61764-12	Cr	1.91651	2.26139	1.57162	25.44954	ug/L	10/14/10	02:34	
61764-12	Cu	1.29238	1.20320	1.38156	9.75901	ug/L	10/14/10	02:34	
61764-12	Fe	-13.84795	-17.96660	-9.72930	42.06147	ug/L	10/14/10	02:34	
61764-12	2Fe	-0.01384	-0.01796	-0.00972	42.06776	mg/L	10/14/10	02:34	
61764-12	K	6307.70703	6291.90429	6323.50927	0.35429	ug/L	10/14/10	02:34	
61764-12	Mg	18213.59375	18192.39062	18234.79492	0.16462	ug/L	10/14/10	02:34	
61764-12	2Mg	18.20845	18.18725	18.22964	0.16462	mg/L	10/14/10	02:34	
61764-12	Mn	0.22690	0.24395	0.20984	10.62934	ug/L	10/14/10	02:34	
61764-12	Mo	49.74670	52.88290	46.61051	8.91566	ug/L	10/14/10	02:34	
61764-12	Na	477012.75000	475198.03125	478827.43750	0.53801	ug/L	10/14/10	02:34	
61764-12	Ni	9.76865	9.06241	10.47489	10.22427	ug/L	10/14/10	02:34	
61764-12	Pb	1.55033	1.95288	1.14779	36.72021	ug/L	10/14/10	02:34	
61764-12	Se	-2.76656	-2.16944	-3.36367	30.52333	ug/L	10/14/10	02:34	
61764-12	Sb	-5.72427	-6.05827	-5.39027	8.25168	ug/L	10/14/10	02:34	
61764-12	Sn	-7.59264	-9.69450	-5.49078	39.14948	ug/L	10/14/10	02:34	
61764-12	Sr	378.33496	377.43057	379.23937	0.33806	ug/L	10/14/10	02:34	
61764-12	Ti	-0.33379	-0.33182	-0.33577	0.83560	ug/L	10/14/10	02:34	
61764-12	Tl	-3.32445	-2.43905	-4.20986	37.66482	ug/L	10/14/10	02:34	
61764-12	V	-0.69930	-1.13956	-0.25904	89.03435	ug/L	10/14/10	02:34	
61764-12	Zn	9.17452	8.90995	9.43910	4.07832	ug/L	10/14/10	02:34	
61764-12	2203/1	-2.56085	-2.03898	-3.08272	28.81996	ug/L	10/14/10	02:34	
61764-12	2203/2	3.60285	3.94582	3.25987	13.46267	ug/L	10/14/10	02:34	
61764-12	1960/1	-4.22107	-3.58888	-4.85326	21.18060	ug/L	10/14/10	02:34	
61764-12	1960/2	-2.04039	-1.46079	-2.61999	40.17274	ug/L	10/14/10	02:34	
61764-12	Y	1057.82885	1062.38159	1053.27600	0.60866		10/14/10	02:34	

80

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-13	Ag	-0.13524	-0.30905	0.03856	181.75064	ug/L	10/14/10	02:39	
61764-13	Al	-17.19288	-10.39833	-23.98744	55.88912	ug/L	10/14/10	02:39	
61764-13	2Al	-0.01719	-0.01039	-0.02398	55.88881	mg/L	10/14/10	02:39	
61764-13	As	-1.64409	-0.18937	-3.09881	125.13192	ug/L	10/14/10	02:39	
61764-13	B	162.04804	162.49676	161.59933	0.39159	ug/L	10/14/10	02:39	
61764-13	Ba	74.50462	74.55337	74.45586	0.09254	ug/L	10/14/10	02:39	
61764-13	Be	0.02364	0.01209	0.03519	69.09450	ug/L	10/14/10	02:39	
61764-13	Ca	90365.57812	90240.62500	90490.53125	0.19555	ug/L	10/14/10	02:39	
61764-13	Cd	0.08271	0.22424	-0.05881	241.97196	ug/L	10/14/10	02:39	
61764-13	Co	-0.00939	0.07511	-0.09391	1271.55151	ug/L	10/14/10	02:39	
61764-13	Cr	740.63128	741.11486	740.14770	0.09233	ug/L	10/14/10	02:39	
61764-13	Cu	0.45353	0.65289	0.25416	62.16550	ug/L	10/14/10	02:39	
61764-13	Fe	46.87265	48.62956	45.11574	5.30083	ug/L	10/14/10	02:39	
61764-13	2Fe	0.04686	0.04861	0.04510	5.30135	mg/L	10/14/10	02:39	
61764-13	K	5684.78710	5683.97363	5685.60058	0.02023	ug/L	10/14/10	02:39	
61764-13	Mg	11476.76367	11463.13378	11490.39257	0.16794	ug/L	10/14/10	02:39	
61764-13	2Mg	11.47351	11.45988	11.48714	0.16795	mg/L	10/14/10	02:39	
61764-13	Mn	0.82311	0.84827	0.79796	4.32140	ug/L	10/14/10	02:39	
61764-13	Mo	6.78303	6.55151	7.01454	4.82701	ug/L	10/14/10	02:39	
61764-13	Na	64074.52734	64347.50000	63801.55468	0.60248	ug/L	10/14/10	02:39	
61764-13	Ni	0.07601	-0.52193	0.67396	1112.45935	ug/L	10/14/10	02:39	
61764-13	Pb	0.21718	-0.31694	0.75130	347.80047	ug/L	10/14/10	02:39	
61764-13	Se	0.45499	-4.82690	5.73689	1641.70556	ug/L	10/14/10	02:39	
61764-13	Sb	-5.46926	-4.31515	-6.62337	29.84241	ug/L	10/14/10	02:39	
61764-13	Sn	-6.14036	-7.17789	-5.10283	23.89576	ug/L	10/14/10	02:39	
61764-13	Sr	377.47201	377.83505	377.10897	0.13601	ug/L	10/14/10	02:39	
61764-13	Ti	-0.29250	-0.38208	-0.20291	43.31332	ug/L	10/14/10	02:39	
61764-13	Tl	3.80624	2.78707	4.82541	37.86732	ug/L	10/14/10	02:39	
61764-13	V	10.53333	10.30461	10.76205	3.07080	ug/L	10/14/10	02:39	
61764-13	Zn	15.61222	15.77760	15.44684	1.49808	ug/L	10/14/10	02:39	
61764-13	2203/1	-2.29588	-4.65141	0.05963	145.09480	ug/L	10/14/10	02:39	
61764-13	2203/2	1.47183	1.84704	1.09662	36.05195	ug/L	10/14/10	02:39	
61764-13	1960/1	-2.69309	-5.57052	0.18434	151.10159	ug/L	10/14/10	02:39	
61764-13	1960/2	2.02625	-4.45564	8.50815	452.40136	ug/L	10/14/10	02:39	
61764-13	Y	1075.80053	1075.27551	1076.32556	0.06901		10/14/10	02:39	
61764-14	Ag	0.43476	0.73627	0.13324	98.07965	ug/L	10/14/10	02:45	
61764-14	Al	-11.58262	-10.04082	-13.12443	18.82511	ug/L	10/14/10	02:45	
61764-14	2Al	-0.01158	-0.01004	-0.01312	18.82511	mg/L	10/14/10	02:45	
61764-14	As	6.48770	5.26386	7.71154	26.67765	ug/L	10/14/10	02:45	
61764-14	B	508.68939	507.84310	509.53567	0.23527	ug/L	10/14/10	02:45	
61764-14	Ba	17.09438	17.18050	17.00826	0.71245	ug/L	10/14/10	02:45	
61764-14	Be	0.02439	0.02709	0.02170	15.64520	ug/L	10/14/10	02:45	
61764-14	Ca	23002.01171	22954.62695	23049.39453	0.29132	ug/L	10/14/10	02:45	
61764-14	Cd	-0.41405	-0.55620	-0.27189	48.55342	ug/L	10/14/10	02:45	
61764-14	Co	0.63028	0.94077	0.31979	69.66648	ug/L	10/14/10	02:45	
61764-14	Cr	2.45472	2.52221	2.38722	3.88853	ug/L	10/14/10	02:45	
61764-14	Cu	-0.07797	0.90024	-1.05620	1774.17590	ug/L	10/14/10	02:45	
61764-14	Fe	181.66921	186.84559	176.49285	4.02957	ug/L	10/14/10	02:45	
61764-14	2Fe	0.18164	0.18682	0.17647	4.02966	mg/L	10/14/10	02:45	
61764-14	K	9528.44628	9527.94042	9528.95214	0.00750	ug/L	10/14/10	02:45	
61764-14	Mg	13851.01367	13827.14257	13874.88476	0.24372	ug/L	10/14/10	02:45	
61764-14	2Mg	13.84710	13.82323	13.87096	0.24373	mg/L	10/14/10	02:45	
61764-14	Mn	71.56361	71.35746	71.76975	0.40737	ug/L	10/14/10	02:45	
61764-14	Mo	2.00855	1.27590	2.74121	51.58564	ug/L	10/14/10	02:45	
61764-14	Na	298668.90625	299127.87500	298209.93750	0.21732	ug/L	10/14/10	02:45	
61764-14	Ni	1.68369	2.42639	0.94100	62.38221	ug/L	10/14/10	02:45	
61764-14	Pb	2.02326	1.42549	2.62103	41.78237	ug/L	10/14/10	02:45	
61764-14	Se	-1.08375	-0.27334	-1.89417	105.75237	ug/L	10/14/10	02:45	
61764-14	Sb	-0.60685	0.30107	-1.51479	211.58485	ug/L	10/14/10	02:45	
61764-14	Sn	-1.98453	-2.02189	-1.94717	2.66216	ug/L	10/14/10	02:45	
61764-14	Sr	137.10571	137.16046	137.05097	0.05646	ug/L	10/14/10	02:45	
61764-14	Ti	-0.43342	-0.41307	-0.45378	6.64112	ug/L	10/14/10	02:45	
61764-14	Tl	2.54320	0.62411	4.46228	106.71566	ug/L	10/14/10	02:45	
61764-14	V	0.04929	0.27900	-0.18040	658.93713	ug/L	10/14/10	02:45	
61764-14	Zn	4.50146	4.64101	4.36191	4.38420	ug/L	10/14/10	02:45	
61764-14	2203/1	2.94875	-0.72957	6.62708	176.41183	ug/L	10/14/10	02:45	
61764-14	2203/2	1.56121	2.50142	0.62100	85.16785	ug/L	10/14/10	02:45	
61764-14	1960/1	-3.84029	-2.18669	-5.49389	60.89492	ug/L	10/14/10	02:45	
61764-14	1960/2	0.29244	0.68189	-0.09701	188.33578	ug/L	10/14/10	02:45	
61764-14	Y	1078.45922	1075.37634	1081.54199	0.40425		10/14/10	02:45	

81

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	468.92413	468.44061	469.40762	0.14581	ug/L	10/14/10	02:50	
CCV	Al	4827.28710	4833.48388	4821.09082	0.18153	ug/L	10/14/10	02:50	
CCV	2Al	4.82710	4.83339	4.82081	0.18427	mg/L	10/14/10	02:50	
CCV	As	488.02307	488.02685	488.01928	0.00109	ug/L	10/14/10	02:50	
CCV	B	4823.02392	4817.65185	4828.39599	0.15752	ug/L	10/14/10	02:50	
CCV	Ba	4701.68750	4701.46679	4701.90771	0.00663	ug/L	10/14/10	02:50	
CCV	Be	490.25451	490.24780	490.26123	0.00193	ug/L	10/14/10	02:50	
CCV	Ca	5114.89111	5108.01757	5121.76464	0.19004	ug/L	10/14/10	02:50	
CCV	Cd	506.54040	506.63739	506.44338	0.02708	ug/L	10/14/10	02:50	
CCV	Co	498.25692	497.54373	498.97012	0.20242	ug/L	10/14/10	02:50	
CCV	Cr	4924.26855	4920.84960	4927.68798	0.09819	ug/L	10/14/10	02:50	
CCV	Cu	4670.00732	4669.68212	4670.33251	0.00984	ug/L	10/14/10	02:50	
CCV	Fe	4921.58886	4930.67529	4912.50292	0.26109	ug/L	10/14/10	02:50	
CCV	2Fe	4.92158	4.93067	4.91250	0.26104	mg/L	10/14/10	02:50	
CCV	K	9450.12695	9458.10449	9442.14843	0.11939	ug/L	10/14/10	02:50	
CCV	Mg	5249.49316	5250.53417	5248.45166	0.02805	ug/L	10/14/10	02:50	
CCV	2Mg	5.24940	5.25044	5.24836	0.02798	mg/L	10/14/10	02:50	
CCV	Mn	4930.88964	4929.10156	4932.67724	0.05127	ug/L	10/14/10	02:50	
CCV	Mo	489.97045	488.20965	491.73126	0.50822	ug/L	10/14/10	02:50	
CCV	Na	7182.52734	7212.40332	7152.65185	0.58824	ug/L	10/14/10	02:50	
CCV	Ni	2530.26513	2535.62451	2524.90551	0.29955	ug/L	10/14/10	02:50	
CCV	Pb	520.19342	520.56848	519.81835	0.10196	ug/L	10/14/10	02:50	
CCV	Se	4940.42382	4936.61572	4944.23144	0.10900	ug/L	10/14/10	02:50	
CCV	Sb	470.45770	466.58715	474.32827	1.16350	ug/L	10/14/10	02:50	
CCV	Sn	5024.48291	5018.97705	5029.98876	0.15497	ug/L	10/14/10	02:50	
CCV	Sr	2327.34667	2324.84252	2329.85058	0.15215	ug/L	10/14/10	02:50	
CCV	Ti	479.20727	479.02667	479.38787	0.05329	ug/L	10/14/10	02:50	
CCV	Tl	4906.02246	4908.56005	4903.48486	0.07314	ug/L	10/14/10	02:50	
CCV	V	4901.12939	4899.69042	4902.56835	0.04152	ug/L	10/14/10	02:50	
CCV	Zn	2627.68041	2627.62817	2627.73266	0.00281	ug/L	10/14/10	02:50	
CCV	2203/1	521.40332	525.55969	517.24700	1.12733	ug/L	10/14/10	02:50	
CCV	2203/2	519.58935	518.07659	521.10211	0.41174	ug/L	10/14/10	02:50	
CCV	1960/1	5038.70996	5051.59960	5025.81982	0.36178	ug/L	10/14/10	02:50	
CCV	1960/2	4891.35449	4879.20996	4903.49853	0.35112	ug/L	10/14/10	02:50	
CCV	Y	1089.83691	1091.75634	1087.91760	0.24906		10/14/10	02:50	
CCB	Ag	0.22625	-0.31544	0.76795	338.58889	ug/L	10/14/10	02:55	
CCB	Al	-17.58014	-17.12999	-18.03030	3.62121	ug/L	10/14/10	02:55	
CCB	2Al	-0.01758	-0.01713	-0.01803	3.62131	mg/L	10/14/10	02:55	
CCB	As	-1.39655	-1.56945	-1.22366	17.50818	ug/L	10/14/10	02:55	
CCB	B	7.94493	7.98583	7.90404	0.72797	ug/L	10/14/10	02:55	
CCB	Ba	1.11922	0.18558	2.05286	117.97177	ug/L	10/14/10	02:55	
CCB	Be	0.14337	0.04613	0.24061	95.91789	ug/L	10/14/10	02:55	
CCB	Ca	10.55485	8.02829	13.08141	33.85263	ug/L	10/14/10	02:55	
CCB	Cd	0.29290	0.17249	0.41331	58.13708	ug/L	10/14/10	02:55	
CCB	Co	-0.01289	-0.05233	0.02654	432.62039	ug/L	10/14/10	02:55	
CCB	Cr	1.32707	0.27824	2.37589	111.76930	ug/L	10/14/10	02:55	
CCB	Cu	0.72845	-0.52435	1.98127	243.21952	ug/L	10/14/10	02:55	
CCB	Fe	-2.33676	-12.07257	7.39904	589.21179	ug/L	10/14/10	02:55	
CCB	2Fe	-0.00233	-0.01207	0.00739	589.23156	mg/L	10/14/10	02:55	
CCB	K	-13.37217	-20.91325	-5.83109	79.75287	ug/L	10/14/10	02:55	
CCB	Mg	7.84081	6.36975	9.31186	26.53277	ug/L	10/14/10	02:55	
CCB	2Mg	0.00783	0.00637	0.00930	26.50479	mg/L	10/14/10	02:55	
CCB	Mn	1.45491	0.66298	2.24684	76.97781	ug/L	10/14/10	02:55	
CCB	Mo	-1.10314	0.06401	-2.27030	149.62745	ug/L	10/14/10	02:55	
CCB	Na	-248.43890	-193.23066	-303.64715	31.42673	ug/L	10/14/10	02:55	
CCB	Ni	0.86316	0.58186	1.14446	46.08792	ug/L	10/14/10	02:55	
CCB	Pb	2.58427	2.82133	2.34721	12.97274	ug/L	10/14/10	02:55	
CCB	Se	0.92119	-0.61237	2.45475	235.43377	ug/L	10/14/10	02:55	
CCB	Sb	-2.78648	-1.73138	-3.84157	53.54899	ug/L	10/14/10	02:55	
CCB	Sn	-1.66218	-1.96506	-1.35930	25.76977	ug/L	10/14/10	02:55	
CCB	Sr	0.60879	0.18418	1.03340	98.63583	ug/L	10/14/10	02:55	
CCB	Ti	-0.16673	-0.11225	-0.22122	46.21334	ug/L	10/14/10	02:55	
CCB	Tl	10.87331	10.83832	10.90831	0.45517	ug/L	10/14/10	02:55	
CCB	V	0.64699	-0.35636	1.65035	219.31607	ug/L	10/14/10	02:55	
CCB	Zn	1.37574	0.71980	2.03168	67.42769	ug/L	10/14/10	02:55	
CCB	2203/1	1.89935	0.54570	3.25300	100.78923	ug/L	10/14/10	02:55	
CCB	2203/2	2.92621	3.95743	1.89499	49.83781	ug/L	10/14/10	02:55	
CCB	1960/1	3.60439	0.32698	6.88181	128.59201	ug/L	10/14/10	02:55	
CCB	1960/2	-0.41840	-1.08135	0.24455	224.08024	ug/L	10/14/10	02:55	
CCB	Y	1087.66552	1087.96801	1087.36315	0.03932		10/14/10	02:55	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-15	Ag	-0.67941	-1.15733	-0.20149	99.48011	ug/L	10/14/10	03:01	
61764-15	Al	-7.61329	-7.40152	-7.82506	3.93371	ug/L	10/14/10	03:01	
61764-15	2Al	-0.00761	-0.00740	-0.00782	3.93371	mg/L	10/14/10	03:01	
61764-15	As	2.24467	-0.36731	4.85667	164.56346	ug/L	10/14/10	03:01	
61764-15	B	390.58654	390.55432	390.61874	0.01166	ug/L	10/14/10	03:01	
61764-15	Ba	61.77765	61.80980	61.74550	0.07359	ug/L	10/14/10	03:01	
61764-15	Be	0.04321	0.04038	0.04603	9.23969	ug/L	10/14/10	03:01	
61764-15	Ca	142550.35937	142634.29687	142466.42187	0.08327	ug/L	10/14/10	03:01	
61764-15	Cd	-0.44969	-0.53363	-0.36575	26.39912	ug/L	10/14/10	03:01	
61764-15	Co	3.65340	3.32918	3.97762	12.55040	ug/L	10/14/10	03:01	
61764-15	Cr	2.64724	2.70195	2.59253	2.92282	ug/L	10/14/10	03:01	
61764-15	Cu	0.00941	0.00792	0.01091	22.44429	ug/L	10/14/10	03:01	
61764-15	Fe	2789.10986	2786.81518	2791.40429	0.11634	ug/L	10/14/10	03:01	
61764-15	2Fe	2.78875	2.78646	2.79105	0.11634	mg/L	10/14/10	03:01	
61764-15	K	34207.78125	34123.92187	34291.64453	0.34669	ug/L	10/14/10	03:01	
61764-15	Mg	36376.60937	36409.99218	36343.22265	0.12978	ug/L	10/14/10	03:01	
61764-15	2Mg	36.36296	36.39635	36.32958	0.12982	mg/L	10/14/10	03:01	
61764-15	Mn	236.00561	236.02832	235.98292	0.01360	ug/L	10/14/10	03:01	
61764-15	Mo	692.04058	690.34283	693.73834	0.34694	ug/L	10/14/10	03:01	
61764-15	Na	171431.84375	171215.18750	171648.50000	0.17872	ug/L	10/14/10	03:01	
61764-15	Ni	8.05848	8.17200	7.94497	1.99206	ug/L	10/14/10	03:01	
61764-15	Pb	0.89251	0.55100	1.23402	54.11347	ug/L	10/14/10	03:01	
61764-15	Se	-0.81270	3.05231	-4.67771	672.56616	ug/L	10/14/10	03:01	
61764-15	Sb	-10.08686	-8.47702	-11.69670	22.57049	ug/L	10/14/10	03:01	
61764-15	Sn	-4.94917	-2.72926	-7.16908	63.43332	ug/L	10/14/10	03:01	
61764-15	Sr	566.61755	567.15979	566.07537	0.13532	ug/L	10/14/10	03:01	
61764-15	Ti	0.12775	0.16424	0.09126	40.39126	ug/L	10/14/10	03:01	
61764-15	Tl	-1.38381	-0.75716	-2.01046	64.04148	ug/L	10/14/10	03:01	
61764-15	V	1.12001	1.44273	0.79729	40.74901	ug/L	10/14/10	03:01	
61764-15	Zn	18.13811	18.17997	18.09625	0.32638	ug/L	10/14/10	03:01	
61764-15	2203/1	-7.12778	-7.42367	-6.83189	5.87069	ug/L	10/14/10	03:01	
61764-15	2203/2	4.89664	4.53236	5.26093	10.52107	ug/L	10/14/10	03:01	
61764-15	1960/1	-3.87942	3.43246	-11.19131	266.54907	ug/L	10/14/10	03:01	
61764-15	1960/2	0.71836	2.86252	-1.42580	422.11489	ug/L	10/14/10	03:01	
61764-15	Y	1065.25439	1068.34558	1062.16320	0.41038		10/14/10	03:01	
61764-16	Ag	0.00692	0.03235	-0.01850	519.11358	ug/L	10/14/10	03:06	
61764-16	Al	210.52136	211.02066	210.02207	0.33540	ug/L	10/14/10	03:06	
61764-16	2Al	0.21052	0.21102	0.21002	0.33541	mg/L	10/14/10	03:06	
61764-16	As	-0.21755	-0.73915	0.30404	339.06250	ug/L	10/14/10	03:06	
61764-16	B	19.08173	18.94444	19.21901	1.01746	ug/L	10/14/10	03:06	
61764-16	Ba	181.62196	181.70147	181.54244	0.06191	ug/L	10/14/10	03:06	
61764-16	Be	0.02362	0.02336	0.02387	1.54909	ug/L	10/14/10	03:06	
61764-16	Ca	36771.06250	36761.08593	36781.04296	0.03837	ug/L	10/14/10	03:06	
61764-16	Cd	-0.20341	-0.40842	0.00159	142.52993	ug/L	10/14/10	03:06	
61764-16	Co	-0.25299	-0.67232	0.16634	234.40614	ug/L	10/14/10	03:06	
61764-16	Cr	1.34983	1.24979	1.44986	10.48056	ug/L	10/14/10	03:06	
61764-16	Cu	0.68789	0.95903	0.41675	55.74277	ug/L	10/14/10	03:06	
61764-16	Fe	3292.83349	3310.09350	3275.57373	0.74128	ug/L	10/14/10	03:06	
61764-16	2Fe	3.29241	3.30967	3.27515	0.74127	mg/L	10/14/10	03:06	
61764-16	K	82879.86718	82944.60937	82815.12500	0.11047	ug/L	10/14/10	03:06	
61764-16	Mg	17211.91406	17225.50585	17198.32421	0.11166	ug/L	10/14/10	03:06	
61764-16	2Mg	17.20650	17.22009	17.19292	0.11165	mg/L	10/14/10	03:06	
61764-16	Mn	59.43595	59.56129	59.31060	0.29824	ug/L	10/14/10	03:06	
61764-16	Mo	15.36918	16.24338	14.49499	8.04399	ug/L	10/14/10	03:06	
61764-16	Na	28321.16015	28321.61132	28320.70898	0.00225	ug/L	10/14/10	03:06	
61764-16	Ni	2.25861	2.58207	1.93516	20.25272	ug/L	10/14/10	03:06	
61764-16	Pb	3.24180	2.18617	4.29744	46.05126	ug/L	10/14/10	03:06	
61764-16	Se	-1.73119	-3.04352	-0.41887	107.20383	ug/L	10/14/10	03:06	
61764-16	Sb	-2.01236	0.97120	-4.99594	209.67372	ug/L	10/14/10	03:06	
61764-16	Sn	-4.33961	-3.77271	-4.90651	18.47453	ug/L	10/14/10	03:06	
61764-16	Sr	1039.39514	1040.44006	1038.35021	0.14217	ug/L	10/14/10	03:06	
61764-16	Ti	4.95880	5.01761	4.89999	1.67723	ug/L	10/14/10	03:06	
61764-16	Tl	4.46796	4.67580	4.26012	6.57854	ug/L	10/14/10	03:06	
61764-16	V	0.35598	0.45980	0.25217	41.24246	ug/L	10/14/10	03:06	
61764-16	Zn	218.03996	218.60559	217.47433	0.36686	ug/L	10/14/10	03:06	
61764-16	2203/1	0.82811	1.27952	0.37669	77.09056	ug/L	10/14/10	03:06	
61764-16	2203/2	4.44683	2.63881	6.25486	57.50001	ug/L	10/14/10	03:06	
61764-16	1960/1	-3.12369	-6.50673	0.25934	153.16276	ug/L	10/14/10	03:06	
61764-16	1960/2	-1.03599	-1.31451	-0.75746	38.02074	ug/L	10/14/10	03:06	
61764-16	Y	1084.79272	1083.84350	1085.74194	0.12374		10/14/10	03:06	

83

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-17	Ag	-0.67806	-1.21549	-0.14063	112.08985	ug/L	10/14/10	03:11	
61764-17	Al	14.18928	12.81027	15.56828	13.74422	ug/L	10/14/10	03:11	
61764-17	2Al	0.01418	0.01280	0.01556	13.74585	mg/L	10/14/10	03:11	
61764-17	As	14.14573	11.87216	16.41931	22.72996	ug/L	10/14/10	03:11	
61764-17	B	1175.68530	1174.94653	1176.42419	0.08887	ug/L	10/14/10	03:11	
61764-17	Ba	1.46725	1.54514	1.38936	7.50762	ug/L	10/14/10	03:11	
61764-17	Be	0.01870	0.01430	0.02310	33.26213	ug/L	10/14/10	03:11	
61764-17	Ca	4267.47753	4260.32568	4274.62988	0.23701	ug/L	10/14/10	03:11	
61764-17	Cd	-0.22318	-0.35498	-0.09139	83.50955	ug/L	10/14/10	03:11	
61764-17	Co	1.17177	1.37361	0.96993	24.35995	ug/L	10/14/10	03:11	
61764-17	Cr	740.58557	740.49560	740.67547	0.01717	ug/L	10/14/10	03:11	
61764-17	Cu	1.63048	1.36503	1.89594	23.02466	ug/L	10/14/10	03:11	
61764-17	Fe	186.76460	176.27230	197.25689	7.94494	ug/L	10/14/10	03:11	
61764-17	2Fe	0.18675	0.17626	0.19724	7.94435	mg/L	10/14/10	03:11	
61764-17	K	18617.69140	18571.39648	18663.98632	0.35165	ug/L	10/14/10	03:11	
61764-17	Mg	4690.99267	4677.86474	4704.12060	0.39577	ug/L	10/14/10	03:11	
61764-17	2Mg	4.68963	4.67651	4.70275	0.39571	mg/L	10/14/10	03:11	
61764-17	Mn	1.83717	1.81401	1.86032	1.78218	ug/L	10/14/10	03:11	
61764-17	Mo	14.82659	13.22614	16.42704	15.26568	ug/L	10/14/10	03:11	
61764-17	Na	686648.75000	687574.12500	685723.37500	0.19058	ug/L	10/14/10	03:11	
61764-17	Ni	3.89422	3.80720	3.98123	3.15988	ug/L	10/14/10	03:11	
61764-17	Pb	1.85127	3.61251	0.09003	134.54348	ug/L	10/14/10	03:11	
61764-17	Se	-1.00069	0.05636	-2.05776	149.38734	ug/L	10/14/10	03:11	
61764-17	Sb	-2.92538	-7.55585	1.70508	223.85023	ug/L	10/14/10	03:11	
61764-17	Sn	-3.10644	0.09530	-6.30818	145.75991	ug/L	10/14/10	03:11	
61764-17	Sr	27.33132	27.28438	27.37825	0.24283	ug/L	10/14/10	03:11	
61764-17	Ti	-0.20051	-0.41611	0.01509	152.06855	ug/L	10/14/10	03:11	
61764-17	Tl	0.64191	-3.89487	5.17870	999.50378	ug/L	10/14/10	03:11	
61764-17	V	177.49554	177.39057	177.60052	0.08363	ug/L	10/14/10	03:11	
61764-17	Zn	7.78246	7.79008	7.77485	0.13841	ug/L	10/14/10	03:11	
61764-17	2203/1	-3.36139	-1.67538	-5.04740	70.93409	ug/L	10/14/10	03:11	
61764-17	2203/2	4.45370	6.25249	2.65490	57.11843	ug/L	10/14/10	03:11	
61764-17	1960/1	-5.20038	-5.82813	-4.57263	17.07132	ug/L	10/14/10	03:11	
61764-17	1960/2	1.09599	2.99420	-0.80221	244.93457	ug/L	10/14/10	03:11	
61764-17	Y	1045.50170	1044.35510	1046.64831	0.15509		10/14/10	03:11	
61764-18	Ag	-0.78129	-0.70590	-0.85668	13.64622	ug/L	10/14/10	03:17	
61764-18	Al	-5.49885	-2.12028	-8.87743	86.89118	ug/L	10/14/10	03:17	
61764-18	2Al	-0.00549	-0.00212	-0.00887	86.88947	mg/L	10/14/10	03:17	
61764-18	As	19.13971	19.61817	18.66125	3.53527	ug/L	10/14/10	03:17	
61764-18	B	300.19165	300.29406	300.08920	0.04825	ug/L	10/14/10	03:17	
61764-18	Ba	11.39694	11.41706	11.37681	0.24978	ug/L	10/14/10	03:17	
61764-18	Be	-0.00660	0.00533	-0.01854	255.76130	ug/L	10/14/10	03:17	
61764-18	Ca	6650.78906	6642.36523	6659.21240	0.17911	ug/L	10/14/10	03:17	
61764-18	Cd	-0.14586	0.00375	-0.29548	145.06405	ug/L	10/14/10	03:17	
61764-18	Co	0.53623	0.42415	0.64832	29.56060	ug/L	10/14/10	03:17	
61764-18	Cr	2.85854	2.67058	3.04651	9.29914	ug/L	10/14/10	03:17	
61764-18	Cu	1.36141	1.02948	1.69334	34.47993	ug/L	10/14/10	03:17	
61764-18	Fe	1187.13830	1184.82177	1189.45483	0.27596	ug/L	10/14/10	03:17	
61764-18	2Fe	1.18698	1.18467	1.18930	0.27596	mg/L	10/14/10	03:17	
61764-18	K	292712.46875	292089.00000	293335.93750	0.30122	ug/L	10/14/10	03:17	
61764-18	Mg	4395.56689	4392.85253	4398.28125	0.08733	ug/L	10/14/10	03:17	
61764-18	2Mg	4.39412	4.39140	4.39683	0.08731	mg/L	10/14/10	03:17	
61764-18	Mn	9.38400	9.43094	9.33706	0.70741	ug/L	10/14/10	03:17	
61764-18	Mo	72.08660	73.24821	70.92501	2.27886	ug/L	10/14/10	03:17	
61764-18	Na	145175.03125	144452.98437	145897.09375	0.70338	ug/L	10/14/10	03:17	
61764-18	Ni	5.04387	6.54781	3.53993	42.16774	ug/L	10/14/10	03:17	
61764-18	Pb	0.91581	-0.60435	2.43597	234.74623	ug/L	10/14/10	03:17	
61764-18	Se	3.38596	4.73552	2.03641	56.36681	ug/L	10/14/10	03:17	
61764-18	Sb	-4.70940	-3.63745	-5.78136	32.19029	ug/L	10/14/10	03:17	
61764-18	Sn	-7.82318	-7.43680	-8.20956	6.98468	ug/L	10/14/10	03:17	
61764-18	Sr	111.66847	111.51203	111.82490	0.19811	ug/L	10/14/10	03:17	
61764-18	Ti	0.65555	0.63245	0.67865	4.98379	ug/L	10/14/10	03:17	
61764-18	Tl	-1.86083	0.87115	-4.59282	207.62841	ug/L	10/14/10	03:17	
61764-18	V	11.62889	11.82489	11.43289	2.38359	ug/L	10/14/10	03:17	
61764-18	Zn	7.94085	8.12363	7.75807	3.25517	ug/L	10/14/10	03:17	
61764-18	2203/1	-2.89664	-4.24610	-1.54717	65.88425	ug/L	10/14/10	03:17	
61764-18	2203/2	2.81918	1.21379	4.42456	80.53247	ug/L	10/14/10	03:17	
61764-18	1960/1	-0.66435	6.96246	-8.29118	1623.51623	ug/L	10/14/10	03:17	
61764-18	1960/2	5.40809	3.62372	7.19246	46.66121	ug/L	10/14/10	03:17	
61764-18	Y	1064.09094	1065.11157	1063.07031	0.13564		10/14/10	03:17	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-19	Ag	0.00261	-0.36669	0.37192	19984.98437	ug/L	10/14/10	03:22	
61764-19	Al	15.50539	13.71883	17.29194	16.29482	ug/L	10/14/10	03:22	
61764-19	2Al	0.01550	0.01371	0.01729	16.29481	mg/L	10/14/10	03:22	
61764-19	As	1.34328	0.84074	1.84582	52.90752	ug/L	10/14/10	03:22	
61764-19	B	23.43753	22.64808	24.22698	4.76353	ug/L	10/14/10	03:22	
61764-19	Ba	105.10899	105.11074	105.10724	0.00235	ug/L	10/14/10	03:22	
61764-19	Be	0.03885	0.04310	0.03461	15.43668	ug/L	10/14/10	03:22	
61764-19	Ca	44055.82812	44001.94921	44109.70703	0.17295	ug/L	10/14/10	03:22	
61764-19	Cd	0.47854	0.45280	0.50428	7.60604	ug/L	10/14/10	03:22	
61764-19	Co	0.27211	0.15932	0.38490	58.61920	ug/L	10/14/10	03:22	
61764-19	Cr	67.61253	66.98962	68.23543	1.30289	ug/L	10/14/10	03:22	
61764-19	Cu	9.05864	8.06942	10.04785	15.44342	ug/L	10/14/10	03:22	
61764-19	Fe	159.35917	149.39929	169.31906	8.83877	ug/L	10/14/10	03:22	
61764-19	2Fe	0.15933	0.14937	0.16929	8.83887	mg/L	10/14/10	03:22	
61764-19	K	6642.36718	6631.69970	6653.03466	0.22711	ug/L	10/14/10	03:22	
61764-19	Mg	10558.14843	10536.63183	10579.66503	0.28820	ug/L	10/14/10	03:22	
61764-19	2Mg	10.55514	10.53363	10.57665	0.28818	mg/L	10/14/10	03:22	
61764-19	Mn	15.67858	15.70976	15.64741	0.28118	ug/L	10/14/10	03:22	
61764-19	Mo	45.61248	45.30804	45.91693	0.94391	ug/L	10/14/10	03:22	
61764-19	Na	3606.19238	3673.84008	3538.54492	2.65288	ug/L	10/14/10	03:22	
61764-19	Ni	2.14553	2.45307	1.83799	20.27133	ug/L	10/14/10	03:22	
61764-19	Pb	5.03205	4.35448	5.70962	19.04247	ug/L	10/14/10	03:22	
61764-19	Se	1.56555	1.70928	1.42183	12.98320	ug/L	10/14/10	03:22	
61764-19	Sb	-1.87120	-0.54189	-3.20051	100.46643	ug/L	10/14/10	03:22	
61764-19	Sn	-4.97947	-2.57933	-7.37962	68.16613	ug/L	10/14/10	03:22	
61764-19	Sr	241.25399	240.80886	241.69912	0.26093	ug/L	10/14/10	03:22	
61764-19	Ti	0.94625	1.08598	0.80653	20.88230	ug/L	10/14/10	03:22	
61764-19	Tl	1.81936	-0.95334	4.59207	215.52618	ug/L	10/14/10	03:22	
61764-19	V	0.90110	0.28067	1.52152	97.37144	ug/L	10/14/10	03:22	
61764-19	Zn	25.93159	25.79866	26.06452	0.72497	ug/L	10/14/10	03:22	
61764-19	2203/1	2.59581	3.62876	1.56287	56.27534	ug/L	10/14/10	03:22	
61764-19	2203/2	6.24834	4.71679	7.77989	34.66416	ug/L	10/14/10	03:22	
61764-19	1960/1	-3.51243	-5.05728	-1.96758	62.20029	ug/L	10/14/10	03:22	
61764-19	1960/2	4.10075	5.08749	3.11400	34.02968	ug/L	10/14/10	03:22	
61764-19	Y	1090.90795	1092.52917	1089.28674	0.21016		10/14/10	03:22	
61764-20	Ag	-1.00788	-0.90692	-1.10883	14.16532	ug/L	10/14/10	03:27	
61764-20	Al	-10.82015	-6.58697	-15.05333	55.32844	ug/L	10/14/10	03:27	
61764-20	2Al	-0.01082	-0.00658	-0.01505	55.32825	mg/L	10/14/10	03:27	
61764-20	As	-2.41903	-1.54742	-3.29064	50.95586	ug/L	10/14/10	03:27	
61764-20	B	361.26245	361.28939	361.23550	0.01054	ug/L	10/14/10	03:27	
61764-20	Ba	101.44837	101.44860	101.44813	0.00032	ug/L	10/14/10	03:27	
61764-20	Be	0.00305	0.00761	-0.00149	210.73112	ug/L	10/14/10	03:27	
61764-20	Ca	23271.93359	23265.49804	23278.36718	0.03910	ug/L	10/14/10	03:27	
61764-20	Cd	-0.54030	-0.44350	-0.63709	25.33609	ug/L	10/14/10	03:27	
61764-20	Co	1.85608	1.49594	2.21622	27.44016	ug/L	10/14/10	03:27	
61764-20	Cr	4.42587	4.35623	4.49551	2.22529	ug/L	10/14/10	03:27	
61764-20	Cu	2.91806	2.57591	3.26022	16.58214	ug/L	10/14/10	03:27	
61764-20	Fe	5368.97949	5384.21826	5353.74023	0.40140	ug/L	10/14/10	03:27	
61764-20	2Fe	5.36829	5.38353	5.35306	0.40140	mg/L	10/14/10	03:27	
61764-20	K	215337.84375	214999.18750	215676.50000	0.22240	ug/L	10/14/10	03:27	
61764-20	Mg	11216.60644	11221.42285	11211.79003	0.06072	ug/L	10/14/10	03:27	
61764-20	2Mg	11.21273	11.21754	11.20791	0.06069	mg/L	10/14/10	03:27	
61764-20	Mn	513.19030	513.12969	513.25097	0.01671	ug/L	10/14/10	03:27	
61764-20	Mo	103.89551	104.05779	103.73323	0.22088	ug/L	10/14/10	03:27	
61764-20	Na	215192.67187	214902.60937	215482.73437	0.19062	ug/L	10/14/10	03:27	
61764-20	Ni	4.55756	4.18554	4.92957	11.54367	ug/L	10/14/10	03:27	
61764-20	Pb	0.64008	1.78602	-0.50584	253.18415	ug/L	10/14/10	03:27	
61764-20	Se	-0.18542	1.12624	-1.49709	1000.39776	ug/L	10/14/10	03:27	
61764-20	Sb	-6.52407	-5.80590	-7.24224	15.56768	ug/L	10/14/10	03:27	
61764-20	Sn	-5.63433	-3.33905	-7.92961	57.61125	ug/L	10/14/10	03:27	
61764-20	Sr	310.63232	311.16226	310.10238	0.24126	ug/L	10/14/10	03:27	
61764-20	Ti	-0.37042	-0.48127	-0.25957	42.32169	ug/L	10/14/10	03:27	
61764-20	Tl	-1.48962	0.49568	-3.47493	188.48008	ug/L	10/14/10	03:27	
61764-20	V	6.07734	6.03864	6.11604	0.90064	ug/L	10/14/10	03:27	
61764-20	Zn	19.47717	19.75911	19.19523	2.04712	ug/L	10/14/10	03:27	
61764-20	2203/1	-3.06273	-4.77562	-1.34983	79.09263	ug/L	10/14/10	03:27	
61764-20	2203/2	2.48871	5.06192	-0.08448	146.22232	ug/L	10/14/10	03:27	
61764-20	1960/1	-2.17898	-1.63609	-2.72186	35.23459	ug/L	10/14/10	03:27	
61764-20	1960/2	0.80986	2.50534	-0.88562	296.07214	ug/L	10/14/10	03:27	
61764-20	Y	1063.46508	1065.42236	1061.50793	0.26027		10/14/10	03:27	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	471.16436	470.80679	471.52191	0.10732	ug/L	10/14/10	03:33	
CCV	Al	4854.85839	4849.72265	4859.99462	0.14961	ug/L	10/14/10	03:33	
CCV	2Al	4.85468	4.84963	4.85972	0.14691	mg/L	10/14/10	03:33	
CCV	As	494.17504	492.02374	496.32635	0.61565	ug/L	10/14/10	03:33	
CCV	B	4852.88769	4842.10107	4863.67431	0.31434	ug/L	10/14/10	03:33	
CCV	Ba	4721.29687	4715.98339	4726.61035	0.15915	ug/L	10/14/10	03:33	
CCV	Be	494.66775	494.28878	495.04672	0.10834	ug/L	10/14/10	03:33	
CCV	Ca	5156.87939	5154.21142	5159.54736	0.07316	ug/L	10/14/10	03:33	
CCV	Cd	510.54211	510.81359	510.27066	0.07519	ug/L	10/14/10	03:33	
CCV	Co	504.33215	503.85180	504.81246	0.13469	ug/L	10/14/10	03:33	
CCV	Cr	4965.60937	4960.53369	4970.68554	0.14456	ug/L	10/14/10	03:33	
CCV	Cu	4690.44628	4686.15380	4694.73925	0.12942	ug/L	10/14/10	03:33	
CCV	Fe	4969.43896	4970.01757	4968.86035	0.01646	ug/L	10/14/10	03:33	
CCV	2Fe	4.96943	4.97001	4.96885	0.01645	mg/L	10/14/10	03:33	
CCV	K	9511.05859	9498.15039	9523.96582	0.19192	ug/L	10/14/10	03:33	
CCV	Mg	5306.61914	5307.98193	5305.25585	0.03632	ug/L	10/14/10	03:33	
CCV	2Mg	5.30652	5.30788	5.30516	0.03625	mg/L	10/14/10	03:33	
CCV	Mn	4970.39062	4965.46484	4975.31689	0.14015	ug/L	10/14/10	03:33	
CCV	Mo	491.20031	491.55633	490.84429	0.10250	ug/L	10/14/10	03:33	
CCV	Na	7088.53906	7129.20507	7047.87353	0.81131	ug/L	10/14/10	03:33	
CCV	Ni	2550.54589	2547.88671	2553.20532	0.14745	ug/L	10/14/10	03:33	
CCV	Pb	523.38146	522.55438	524.20849	0.22347	ug/L	10/14/10	03:33	
CCV	Se	4935.92871	4931.69482	4940.16210	0.12129	ug/L	10/14/10	03:33	
CCV	Sb	469.64373	467.24826	472.03921	0.72133	ug/L	10/14/10	03:33	
CCV	Sn	5067.10302	5061.40625	5072.79980	0.15899	ug/L	10/14/10	03:33	
CCV	Sr	2337.73315	2339.99218	2335.47412	0.13666	ug/L	10/14/10	03:33	
CCV	Ti	481.80413	481.12326	482.48504	0.19985	ug/L	10/14/10	03:33	
CCV	Tl	4941.06640	4933.06347	4949.06884	0.22904	ug/L	10/14/10	03:33	
CCV	V	4936.33984	4932.63574	4940.04394	0.10611	ug/L	10/14/10	03:33	
CCV	Zn	2659.20556	2658.05541	2660.35571	0.06116	ug/L	10/14/10	03:33	
CCV	2203/1	522.72033	520.17468	525.26593	0.68871	ug/L	10/14/10	03:33	
CCV	2203/2	523.71154	523.74249	523.68054	0.00836	ug/L	10/14/10	03:33	
CCV	1960/1	5031.13134	5031.75292	5030.50976	0.01747	ug/L	10/14/10	03:33	
CCV	1960/2	4888.39843	4881.74072	4895.05615	0.19260	ug/L	10/14/10	03:33	
CCV	Y	1089.25732	1091.38671	1087.12792	0.27646		10/14/10	03:33	
CCB	Ag	0.05784	0.23199	-0.11630	425.75592	ug/L	10/14/10	03:38	
CCB	Al	-22.99662	-28.60345	-17.38978	34.48011	ug/L	10/14/10	03:38	
CCB	2Al	-0.02299	-0.02860	-0.01739	34.48003	mg/L	10/14/10	03:38	
CCB	As	-0.85946	-0.45573	-1.26318	66.43146	ug/L	10/14/10	03:38	
CCB	B	8.01578	7.55343	8.47814	8.15725	ug/L	10/14/10	03:38	
CCB	Ba	1.55740	0.30999	2.80481	113.27233	ug/L	10/14/10	03:38	
CCB	Be	0.18729	0.06665	0.30793	91.09435	ug/L	10/14/10	03:38	
CCB	Ca	10.53010	7.81210	13.24809	36.50316	ug/L	10/14/10	03:38	
CCB	Cd	-0.19586	-0.05577	-0.33596	101.15277	ug/L	10/14/10	03:38	
CCB	Co	-0.39465	-0.59295	-0.19635	71.06005	ug/L	10/14/10	03:38	
CCB	Cr	2.40221	0.60316	4.20126	105.91241	ug/L	10/14/10	03:38	
CCB	Cu	1.12857	-0.45327	2.71041	198.22116	ug/L	10/14/10	03:38	
CCB	Fe	-20.57402	-14.26154	-26.88651	43.39065	ug/L	10/14/10	03:38	
CCB	2Fe	-0.02057	-0.01425	-0.02688	43.38954	mg/L	10/14/10	03:38	
CCB	K	-7.94198	-9.96104	-5.92292	35.95296	ug/L	10/14/10	03:38	
CCB	Mg	7.84203	3.42644	12.25761	79.62959	ug/L	10/14/10	03:38	
CCB	2Mg	0.00784	0.00342	0.01226	79.61594	mg/L	10/14/10	03:38	
CCB	Mn	2.03992	0.52042	3.55943	105.34197	ug/L	10/14/10	03:38	
CCB	Mo	-1.60528	-2.03391	-1.17664	37.76160	ug/L	10/14/10	03:38	
CCB	Na	-217.18733	-81.68230	-352.69235	88.23398	ug/L	10/14/10	03:38	
CCB	Ni	-0.23961	-0.68409	0.20487	262.33767	ug/L	10/14/10	03:38	
CCB	Pb	1.22219	0.24530	2.19908	113.03696	ug/L	10/14/10	03:38	
CCB	Se	0.81938	2.32563	-0.68686	259.96963	ug/L	10/14/10	03:38	
CCB	Sb	-2.08314	-2.18288	-1.98341	6.77100	ug/L	10/14/10	03:38	
CCB	Sn	-1.32073	-2.23090	-0.41056	97.45861	ug/L	10/14/10	03:38	
CCB	Sr	0.89456	0.20479	1.58433	109.04529	ug/L	10/14/10	03:38	
CCB	Ti	0.22746	0.26080	0.19412	20.72838	ug/L	10/14/10	03:38	
CCB	Tl	4.22472	-0.68742	9.13687	164.43267	ug/L	10/14/10	03:38	
CCB	V	1.40457	0.32041	2.48872	109.15958	ug/L	10/14/10	03:38	
CCB	Zn	1.63313	0.66371	2.60255	83.94731	ug/L	10/14/10	03:38	
CCB	2203/1	-5.44311	-6.94934	-3.93689	39.13422	ug/L	10/14/10	03:38	
CCB	2203/2	4.54985	3.83723	5.26247	22.15004	ug/L	10/14/10	03:38	
CCB	1960/1	-0.20008	0.04072	-0.44089	170.20277	ug/L	10/14/10	03:38	
CCB	1960/2	1.32835	3.46637	-0.80965	227.62031	ug/L	10/14/10	03:38	
CCB	Y	1083.16748	1081.77722	1084.55761	0.18150		10/14/10	03:38	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 182779	Ag	-0.36758	-0.56176	-0.17339	74.71022	ug/L	10/14/10	03:43	
PBW 182779	Al	-21.40560	-21.67317	-21.13802	1.76782	ug/L	10/14/10	03:43	
PBW 182779	2Al	-0.02140	-0.02167	-0.02113	1.76783	mg/L	10/14/10	03:43	
PBW 182779	As	-1.41566	-0.03066	-2.80066	138.35845	ug/L	10/14/10	03:43	
PBW 182779	B	1.51370	2.03030	0.99710	48.26470	ug/L	10/14/10	03:43	
PBW 182779	Ba	-0.16780	-0.14369	-0.19192	20.31875	ug/L	10/14/10	03:43	
PBW 182779	Be	0.01772	0.02379	0.01165	48.44723	ug/L	10/14/10	03:43	
PBW 182779	Ca	15.24031	14.64618	15.83445	5.51320	ug/L	10/14/10	03:43	
PBW 182779	Cd	-0.24041	-0.20850	-0.27231	18.76895	ug/L	10/14/10	03:43	
PBW 182779	Co	-0.41895	-0.50710	-0.33081	29.75510	ug/L	10/14/10	03:43	
PBW 182779	Cr	0.61892	0.64047	0.59736	4.92494	ug/L	10/14/10	03:43	
PBW 182779	Cu	-0.42978	-0.49501	-0.36454	21.46600	ug/L	10/14/10	03:43	
PBW 182779	Fe	-12.13288	-21.19089	-3.07487	105.58049	ug/L	10/14/10	03:43	
PBW 182779	2Fe	-0.01213	-0.02118	-0.00307	105.57894	mg/L	10/14/10	03:43	
PBW 182779	K	-30.37726	-32.74351	-28.01102	11.01606	ug/L	10/14/10	03:43	
PBW 182779	Mg	6.36533	6.36392	6.36673	0.03123	ug/L	10/14/10	03:43	
PBW 182779	2Mg	0.00636	0.00636	0.00636	0.00440	mg/L	10/14/10	03:43	
PBW 182779	Mn	0.07804	0.10283	0.05325	44.92283	ug/L	10/14/10	03:43	
PBW 182779	Mo	-2.16050	-3.51458	-0.80643	88.63439	ug/L	10/14/10	03:43	
PBW 182779	Na	-108.21015	-58.87276	-157.54753	64.47971	ug/L	10/14/10	03:43	
PBW 182779	Ni	0.35941	0.80648	-0.08765	175.91107	ug/L	10/14/10	03:43	
PBW 182779	Pb	0.87887	1.08837	0.66936	33.71253	ug/L	10/14/10	03:43	
PBW 182779	Se	-2.15868	-2.80150	-1.51586	42.11301	ug/L	10/14/10	03:43	
PBW 182779	Sb	-1.15207	-2.67899	0.37485	187.43560	ug/L	10/14/10	03:43	
PBW 182779	Sn	-4.23293	-4.53495	-3.93091	10.09030	ug/L	10/14/10	03:43	
PBW 182779	Sr	0.04875	0.02982	0.06768	54.90126	ug/L	10/14/10	03:43	
PBW 182779	Ti	-0.30785	-0.33001	-0.28568	10.18160	ug/L	10/14/10	03:43	
PBW 182779	Tl	-1.66108	-3.13317	-0.18899	125.33065	ug/L	10/14/10	03:43	
PBW 182779	V	-0.76684	-0.76450	-0.76918	0.43221	ug/L	10/14/10	03:43	
PBW 182779	Zn	2.35785	2.33644	2.37927	1.28458	ug/L	10/14/10	03:43	
PBW 182779	2203/1	-1.67870	-3.82670	0.46930	180.95745	ug/L	10/14/10	03:43	
PBW 182779	2203/2	2.15573	3.54223	0.76924	90.95738	ug/L	10/14/10	03:43	
PBW 182779	1960/1	-4.61408	-8.46191	-0.76625	117.93580	ug/L	10/14/10	03:43	
PBW 182779	1960/2	-0.93282	0.02445	-1.89010	145.12882	ug/L	10/14/10	03:43	
PBW 182779	Y	1092.96166	1089.09350	1096.82995	0.50052		10/14/10	03:43	
LCSW-1	Ag	42.46392	43.23237	41.69546	2.55926	ug/L	10/14/10	03:49	
LCSW-1	Al	1865.77026	1869.87500	1861.66564	0.31112	ug/L	10/14/10	03:49	
LCSW-1	2Al	1.86572	1.86974	1.86171	0.30415	mg/L	10/14/10	03:49	
LCSW-1	As	1899.58447	1901.65710	1897.51171	0.15430	ug/L	10/14/10	03:49	
LCSW-1	B	931.20013	931.80426	930.59600	0.09174	ug/L	10/14/10	03:49	
LCSW-1	Ba	1843.22229	1844.92834	1841.51623	0.13089	ug/L	10/14/10	03:49	
LCSW-1	Be	47.86474	47.84481	47.88467	0.05889	ug/L	10/14/10	03:49	
LCSW-1	Ca	4934.62207	4933.78222	4935.46191	0.02406	ug/L	10/14/10	03:49	
LCSW-1	Cd	49.93278	49.81703	50.04853	0.32782	ug/L	10/14/10	03:49	
LCSW-1	Co	493.84216	493.47711	494.20718	0.10453	ug/L	10/14/10	03:49	
LCSW-1	Cr	194.41436	194.63642	194.19232	0.16152	ug/L	10/14/10	03:49	
LCSW-1	Cu	224.67028	224.72409	224.61648	0.03386	ug/L	10/14/10	03:49	
LCSW-1	Fe	956.85559	958.29632	955.41491	0.21293	ug/L	10/14/10	03:49	
LCSW-1	2Fe	0.95693	0.95838	0.95549	0.21285	mg/L	10/14/10	03:49	
LCSW-1	K	4534.38134	4536.42871	4532.33398	0.06385	ug/L	10/14/10	03:49	
LCSW-1	Mg	5098.24902	5095.17285	5101.32470	0.08532	ug/L	10/14/10	03:49	
LCSW-1	2Mg	5.09686	5.09378	5.09993	0.08533	mg/L	10/14/10	03:49	
LCSW-1	Mn	484.92550	484.99291	484.85809	0.01966	ug/L	10/14/10	03:49	
LCSW-1	Mo	476.86041	477.30520	476.41561	0.13191	ug/L	10/14/10	03:49	
LCSW-1	Na	4531.29443	4495.77880	4566.81005	1.10843	ug/L	10/14/10	03:49	
LCSW-1	Ni	496.45434	495.86718	497.04147	0.16725	ug/L	10/14/10	03:49	
LCSW-1	Pb	509.55923	511.42959	507.68887	0.51909	ug/L	10/14/10	03:49	
LCSW-1	Se	1946.15673	1957.62756	1934.68603	0.83354	ug/L	10/14/10	03:49	
LCSW-1	Sb	442.58386	441.53012	443.63763	0.33671	ug/L	10/14/10	03:49	
LCSW-1	Sn	974.53442	975.78497	973.28393	0.18147	ug/L	10/14/10	03:49	
LCSW-1	Sr	459.08438	459.45281	458.71594	0.11349	ug/L	10/14/10	03:49	
LCSW-1	Ti	923.12591	922.68170	923.57012	0.06805	ug/L	10/14/10	03:49	
LCSW-1	Tl	1985.16064	1985.64379	1984.67749	0.03441	ug/L	10/14/10	03:49	
LCSW-1	V	475.07653	474.70275	475.45031	0.11126	ug/L	10/14/10	03:49	
LCSW-1	Zn	525.04541	524.23522	525.85552	0.21821	ug/L	10/14/10	03:49	
LCSW-1	2203/1	515.51416	515.85845	515.16979	0.09446	ug/L	10/14/10	03:49	
LCSW-1	2203/2	506.58627	509.21850	503.95404	0.73482	ug/L	10/14/10	03:49	
LCSW-1	1960/1	1987.60290	1995.28283	1979.92297	0.54644	ug/L	10/14/10	03:49	
LCSW-1	1960/2	1925.46435	1938.82775	1912.10095	0.98151	ug/L	10/14/10	03:49	
LCSW-1	Y	1097.38439	1093.98242	1100.78637	0.43841		10/14/10	03:49	

87

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-21	Ag	-0.60567	-0.50566	-0.70568	23.35157	ug/L	10/14/10	03:54	
61764-21	Al	1926.00512	1920.10400	1931.90625	0.43330	ug/L	10/14/10	03:54	
61764-21	2Al	1.92596	1.92015	1.93176	0.42637	mg/L	10/14/10	03:54	
61764-21	As	4.05326	1.25584	6.85069	97.60415	ug/L	10/14/10	03:54	
61764-21	B	97.98705	98.84001	97.13408	1.23105	ug/L	10/14/10	03:54	
61764-21	Ba	9.49426	9.56355	9.42498	1.03203	ug/L	10/14/10	03:54	
61764-21	Be	-0.04349	-0.05038	-0.03660	22.39765	ug/L	10/14/10	03:54	
61764-21	Ca	3350.58398	3345.96069	3355.20751	0.19514	ug/L	10/14/10	03:54	
61764-21	Cd	-0.14147	-0.29093	0.00798	149.40234	ug/L	10/14/10	03:54	
61764-21	Co	2.72060	1.99989	3.44131	37.46352	ug/L	10/14/10	03:54	
61764-21	Cr	39.54109	39.26214	39.82004	0.99768	ug/L	10/14/10	03:54	
61764-21	Cu	59.22222	58.95584	59.48859	0.63609	ug/L	10/14/10	03:54	
61764-21	Fe	540.73559	540.90856	540.56256	0.04524	ug/L	10/14/10	03:54	
61764-21	2Fe	0.54074	0.54091	0.54057	0.04514	mg/L	10/14/10	03:54	
61764-21	K	14657.08789	14630.13964	14684.03710	0.26001	ug/L	10/14/10	03:54	
61764-21	Mg	1567.04309	1559.65979	1574.42639	0.66632	ug/L	10/14/10	03:54	
61764-21	2Mg	1.56650	1.55912	1.57389	0.66637	mg/L	10/14/10	03:54	
61764-21	Mn	8.66778	8.64533	8.69023	0.36626	ug/L	10/14/10	03:54	
61764-21	Mo	104.68038	104.00411	105.35665	0.91362	ug/L	10/14/10	03:54	
61764-21	Na	397156.06250	397104.84375	397207.25000	0.01823	ug/L	10/14/10	03:54	
61764-21	Ni	5.71131	6.07490	5.34772	9.00297	ug/L	10/14/10	03:54	
61764-21	Pb	5.18092	2.93329	7.42855	61.35255	ug/L	10/14/10	03:54	
61764-21	Se	-3.26455	-1.44052	-5.08857	79.01739	ug/L	10/14/10	03:54	
61764-21	Sb	-1.94299	-3.41044	-0.47553	106.80904	ug/L	10/14/10	03:54	
61764-21	Sn	-4.07874	-3.67732	-4.48016	13.91846	ug/L	10/14/10	03:54	
61764-21	Sr	52.53131	52.57137	52.49124	0.10785	ug/L	10/14/10	03:54	
61764-21	Ti	2.68633	2.89244	2.48021	10.85087	ug/L	10/14/10	03:54	
61764-21	Tl	5.06830	2.86096	7.27565	61.59158	ug/L	10/14/10	03:54	
61764-21	V	769.02038	767.68902	770.35174	0.24483	ug/L	10/14/10	03:54	
61764-21	Zn	9.18996	9.17194	9.20798	0.27733	ug/L	10/14/10	03:54	
61764-21	2203/1	1.44725	-2.93114	5.82566	427.84402	ug/L	10/14/10	03:54	
61764-21	2203/2	7.04495	5.86111	8.22879	23.76453	ug/L	10/14/10	03:54	
61764-21	1960/1	-1.46087	-0.40846	-2.51329	101.87972	ug/L	10/14/10	03:54	
61764-21	1960/2	-4.16503	-1.95578	-6.37429	75.01394	ug/L	10/14/10	03:54	
61764-21	Y	1065.56518	1067.54760	1063.58276	0.26310		10/14/10	03:54	
61764-21L	Ag	-0.99871	-1.37894	-0.61847	53.84254	ug/L	10/14/10	03:59	
61764-21L	Al	363.94244	360.69152	367.19338	1.26325	ug/L	10/14/10	03:59	
61764-21L	2Al	0.36395	0.36070	0.36720	1.26325	mg/L	10/14/10	03:59	
61764-21L	As	-0.35061	1.80419	-2.50543	869.13867	ug/L	10/14/10	03:59	
61764-21L	B	18.09968	17.81942	18.37993	2.18973	ug/L	10/14/10	03:59	
61764-21L	Ba	1.80228	1.79899	1.80556	0.25769	ug/L	10/14/10	03:59	
61764-21L	Be	0.00171	0.01322	-0.00980	951.51635	ug/L	10/14/10	03:59	
61764-21L	Ca	655.39324	655.53039	655.25610	0.02959	ug/L	10/14/10	03:59	
61764-21L	Cd	-0.25011	-0.04062	-0.45960	118.45069	ug/L	10/14/10	03:59	
61764-21L	Co	0.61190	0.42106	0.80274	44.10636	ug/L	10/14/10	03:59	
61764-21L	Cr	8.33331	8.16352	8.50311	2.88152	ug/L	10/14/10	03:59	
61764-21L	Cu	11.36813	11.33729	11.39897	0.38364	ug/L	10/14/10	03:59	
61764-21L	Fe	92.92668	87.21653	98.63681	8.69003	ug/L	10/14/10	03:59	
61764-21L	2Fe	0.09293	0.08722	0.09863	8.68876	mg/L	10/14/10	03:59	
61764-21L	K	2376.52856	2378.14453	2374.91259	0.09616	ug/L	10/14/10	03:59	
61764-21L	Mg	310.33523	311.22882	309.44165	0.40721	ug/L	10/14/10	03:59	
61764-21L	2Mg	0.31023	0.31112	0.30933	0.40769	mg/L	10/14/10	03:59	
61764-21L	Mn	1.77101	1.81487	1.72715	3.50264	ug/L	10/14/10	03:59	
61764-21L	Mo	17.46342	17.39156	17.53529	0.58196	ug/L	10/14/10	03:59	
61764-21L	Na	69863.75000	70128.95312	69598.55468	0.53682	ug/L	10/14/10	03:59	
61764-21L	Ni	1.40626	1.37711	1.43541	2.93127	ug/L	10/14/10	03:59	
61764-21L	Pb	3.91720	4.61363	3.22077	25.14280	ug/L	10/14/10	03:59	
61764-21L	Se	-2.58372	-3.53353	-1.63390	51.98855	ug/L	10/14/10	03:59	
61764-21L	Sb	-4.73745	-5.60360	-3.87130	25.85607	ug/L	10/14/10	03:59	
61764-21L	Sn	-3.34667	-2.83170	-3.86164	21.76114	ug/L	10/14/10	03:59	
61764-21L	Sr	10.60136	10.59252	10.61021	0.11797	ug/L	10/14/10	03:59	
61764-21L	Ti	0.00624	0.22716	-0.21467	5002.56250	ug/L	10/14/10	03:59	
61764-21L	Tl	2.10095	-0.67050	4.87242	186.55496	ug/L	10/14/10	03:59	
61764-21L	V	148.43380	147.95378	148.91383	0.45734	ug/L	10/14/10	03:59	
61764-21L	Zn	1.87000	1.59518	2.14483	20.78391	ug/L	10/14/10	03:59	
61764-21L	2203/1	-3.36063	-0.98484	-5.73641	99.97733	ug/L	10/14/10	03:59	
61764-21L	2203/2	7.55066	7.40867	7.69266	2.65951	ug/L	10/14/10	03:59	
61764-21L	1960/1	-9.45720	-7.70814	-11.20626	26.15517	ug/L	10/14/10	03:59	
61764-21L	1960/2	0.84786	-1.44936	3.14509	383.16943	ug/L	10/14/10	03:59	
61764-21L	Y	1125.58312	1127.50671	1123.65954	0.24168		10/14/10	03:59	

88

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-21A	Ag	43.85337	43.72605	43.98068	0.41056	ug/L	10/14/10	04:05	
61764-21A	Al	3731.73583	3731.88696	3731.58496	0.00572	ug/L	10/14/10	04:05	
61764-21A	2Al	3.73183	3.73198	3.73168	0.00572	mg/L	10/14/10	04:05	
61764-21A	As	1997.94213	1998.01232	1997.87194	0.00496	ug/L	10/14/10	04:05	
61764-21A	B	967.75207	966.34643	969.15771	0.20541	ug/L	10/14/10	04:05	
61764-21A	Ba	1902.11279	1901.93225	1902.29321	0.01341	ug/L	10/14/10	04:05	
61764-21A	Be	49.78923	49.86999	49.70846	0.22939	ug/L	10/14/10	04:05	
61764-21A	Ca	7685.28515	7686.91503	7683.65576	0.02998	ug/L	10/14/10	04:05	
61764-21A	Cd	50.78313	51.18716	50.37909	1.12516	ug/L	10/14/10	04:05	
61764-21A	Co	513.04589	512.61676	513.47509	0.11830	ug/L	10/14/10	04:05	
61764-21A	Cr	235.79010	235.32470	236.25550	0.27913	ug/L	10/14/10	04:05	
61764-21A	Cu	297.96890	297.91262	298.02517	0.02670	ug/L	10/14/10	04:05	
61764-21A	Fe	1518.62365	1511.66308	1525.58422	0.64820	ug/L	10/14/10	04:05	
61764-21A	2Fe	1.51872	1.51176	1.52568	0.64809	mg/L	10/14/10	04:05	
61764-21A	K	18646.02734	18668.68359	18623.36914	0.17184	ug/L	10/14/10	04:05	
61764-21A	Mg	6055.60253	6045.36425	6065.84033	0.23909	ug/L	10/14/10	04:05	
61764-21A	2Mg	6.05385	6.04362	6.06409	0.23907	mg/L	10/14/10	04:05	
61764-21A	Mn	509.06723	508.86441	509.27005	0.05634	ug/L	10/14/10	04:05	
61764-21A	Mo	554.54650	553.56195	555.53100	0.25107	ug/L	10/14/10	04:05	
61764-21A	Na	375739.00000	375173.03125	376304.93750	0.21301	ug/L	10/14/10	04:05	
61764-21A	Ni	515.64581	515.63415	515.65747	0.00319	ug/L	10/14/10	04:05	
61764-21A	Pb	513.10144	512.00378	514.19915	0.30254	ug/L	10/14/10	04:05	
61764-21A	Se	2022.60583	2017.54907	2027.66259	0.35357	ug/L	10/14/10	04:05	
61764-21A	Sb	472.08471	472.57702	471.59240	0.14748	ug/L	10/14/10	04:05	
61764-21A	Sn	921.40332	922.86669	919.93988	0.22461	ug/L	10/14/10	04:05	
61764-21A	Sr	476.36389	476.64077	476.08703	0.08219	ug/L	10/14/10	04:05	
61764-21A	Ti	864.61761	863.16857	866.06665	0.23701	ug/L	10/14/10	04:05	
61764-21A	Tl	2023.79821	2024.42431	2023.17211	0.04375	ug/L	10/14/10	04:05	
61764-21A	V	1237.91796	1237.09375	1238.74230	0.09416	ug/L	10/14/10	04:05	
61764-21A	Zn	551.73059	551.12145	552.33972	0.15613	ug/L	10/14/10	04:05	
61764-21A	2203/1	518.84228	520.82287	516.86169	0.53985	ug/L	10/14/10	04:05	
61764-21A	2203/2	510.23535	507.60083	512.86987	0.73020	ug/L	10/14/10	04:05	
61764-21A	1960/1	2063.39062	2074.15283	2052.62866	0.73761	ug/L	10/14/10	04:05	
61764-21A	1960/2	2002.24365	1989.28918	2015.19799	0.91498	ug/L	10/14/10	04:05	
61764-21A	Y	1099.74475	1101.08032	1098.40917	0.17174		10/14/10	04:05	
61764-21S	Ag	43.22637	43.78719	42.66556	1.83477	ug/L	10/14/10	04:10	
61764-21S	Al	3690.65356	3697.19482	3684.11230	0.25065	ug/L	10/14/10	04:10	
61764-21S	2Al	3.69038	3.69692	3.68384	0.25067	mg/L	10/14/10	04:10	
61764-21S	As	1981.42016	1989.13464	1973.70556	0.55061	ug/L	10/14/10	04:10	
61764-21S	B	1033.49157	1034.50988	1032.47326	0.13934	ug/L	10/14/10	04:10	
61764-21S	Ba	1880.62023	1881.75500	1879.48547	0.08533	ug/L	10/14/10	04:10	
61764-21S	Be	49.46752	49.56607	49.36898	0.28173	ug/L	10/14/10	04:10	
61764-21S	Ca	8002.13964	8023.99755	7980.28173	0.38629	ug/L	10/14/10	04:10	
61764-21S	Cd	50.40839	50.62904	50.18774	0.61904	ug/L	10/14/10	04:10	
61764-21S	Co	508.73895	509.97924	507.49862	0.34478	ug/L	10/14/10	04:10	
61764-21S	Cr	232.31466	232.74449	231.88485	0.26165	ug/L	10/14/10	04:10	
61764-21S	Cu	292.69097	293.31430	292.06762	0.30118	ug/L	10/14/10	04:10	
61764-21S	Fe	1511.47875	1538.58422	1484.37341	2.53611	ug/L	10/14/10	04:10	
61764-21S	2Fe	1.51157	1.53867	1.48447	2.53569	mg/L	10/14/10	04:10	
61764-21S	K	18690.49609	18701.26757	18679.72656	0.08149	ug/L	10/14/10	04:10	
61764-21S	Mg	6404.01855	6418.78564	6389.25146	0.32610	ug/L	10/14/10	04:10	
61764-21S	2Mg	6.40217	6.41693	6.38741	0.32601	mg/L	10/14/10	04:10	
61764-21S	Mn	504.43466	505.26495	503.60437	0.23277	ug/L	10/14/10	04:10	
61764-21S	Mo	584.19873	584.45831	583.93920	0.06283	ug/L	10/14/10	04:10	
61764-21S	Na	369387.31250	370373.50000	368401.15625	0.37755	ug/L	10/14/10	04:10	
61764-21S	Ni	510.80450	511.98904	509.61993	0.32795	ug/L	10/14/10	04:10	
61764-21S	Pb	510.44912	512.11718	508.78106	0.46214	ug/L	10/14/10	04:10	
61764-21S	Se	1993.78723	2002.12658	1985.44787	0.59151	ug/L	10/14/10	04:10	
61764-21S	Sb	468.02014	468.48425	467.55606	0.14023	ug/L	10/14/10	04:10	
61764-21S	Sn	989.96191	991.48706	988.43670	0.21787	ug/L	10/14/10	04:10	
61764-21S	Sr	505.39971	505.14865	505.65075	0.07024	ug/L	10/14/10	04:10	
61764-21S	Ti	931.77746	932.24346	931.31140	0.07073	ug/L	10/14/10	04:10	
61764-21S	Tl	2007.67797	2008.49267	2006.86328	0.05738	ug/L	10/14/10	04:10	
61764-21S	V	1222.04174	1224.37841	1219.70507	0.27041	ug/L	10/14/10	04:10	
61764-21S	Zn	549.75329	551.90191	547.60473	0.55271	ug/L	10/14/10	04:10	
61764-21S	2203/1	513.06542	519.60052	506.53036	1.80132	ug/L	10/14/10	04:10	
61764-21S	2203/2	509.14294	508.38110	509.90475	0.21160	ug/L	10/14/10	04:10	
61764-21S	1960/1	2027.08203	2038.48828	2015.67565	0.79577	ug/L	10/14/10	04:10	
61764-21S	1960/2	1977.16455	1983.97265	1970.35632	0.48697	ug/L	10/14/10	04:10	
61764-21S	Y	1102.02539	1101.97070	1102.07995	0.00701		10/14/10	04:10	

89

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-21SD	Ag	45.35100	45.06203	45.63998	0.90113	ug/L	10/14/10	04:15	
61764-21SD	Al	3888.87451	3887.40380	3890.34521	0.05348	ug/L	10/14/10	04:15	
61764-21SD	2Al	3.88879	3.88713	3.89044	0.06018	mg/L	10/14/10	04:15	
61764-21SD	As	2068.07885	2074.81762	2061.34008	0.46081	ug/L	10/14/10	04:15	
61764-21SD	B	1078.06494	1076.93432	1079.19567	0.14832	ug/L	10/14/10	04:15	
61764-21SD	Ba	1971.06591	1971.20703	1970.92480	0.01012	ug/L	10/14/10	04:15	
61764-21SD	Be	51.36679	51.34988	51.38369	0.04653	ug/L	10/14/10	04:15	
61764-21SD	Ca	8380.82617	8383.11914	8378.53222	0.03870	ug/L	10/14/10	04:15	
61764-21SD	Cd	52.24007	52.13867	52.34148	0.27452	ug/L	10/14/10	04:15	
61764-21SD	Co	529.13146	529.11798	529.14489	0.00359	ug/L	10/14/10	04:15	
61764-21SD	Cr	243.50503	243.51356	243.49650	0.00495	ug/L	10/14/10	04:15	
61764-21SD	Cu	309.96148	309.88067	310.04232	0.03687	ug/L	10/14/10	04:15	
61764-21SD	Fe	1575.63659	1579.55358	1571.71960	0.35156	ug/L	10/14/10	04:15	
61764-21SD	2Fe	1.57573	1.57965	1.57181	0.35151	mg/L	10/14/10	04:15	
61764-21SD	K	20073.91796	20081.24023	20066.59765	0.05157	ug/L	10/14/10	04:15	
61764-21SD	Mg	6655.26464	6650.12451	6660.40478	0.10922	ug/L	10/14/10	04:15	
61764-21SD	2Mg	6.65334	6.64821	6.65848	0.10923	mg/L	10/14/10	04:15	
61764-21SD	Mn	525.54711	526.02124	525.07299	0.12758	ug/L	10/14/10	04:15	
61764-21SD	Mo	615.90887	615.74114	616.07659	0.03851	ug/L	10/14/10	04:15	
61764-21SD	Na	394580.59375	393190.09375	395971.09375	0.49836	ug/L	10/14/10	04:15	
61764-21SD	Ni	532.44720	530.86541	534.02899	0.42013	ug/L	10/14/10	04:15	
61764-21SD	Pb	528.69226	527.27471	530.10980	0.37918	ug/L	10/14/10	04:15	
61764-21SD	Se	2074.38012	2065.01635	2083.74389	0.63837	ug/L	10/14/10	04:15	
61764-21SD	Sb	491.43878	489.46624	493.41131	0.56763	ug/L	10/14/10	04:15	
61764-21SD	Sn	1027.78466	1031.01928	1024.54992	0.44508	ug/L	10/14/10	04:15	
61764-21SD	Sr	531.50109	530.72308	532.27905	0.20700	ug/L	10/14/10	04:15	
61764-21SD	Ti	973.23718	972.62219	973.85211	0.08935	ug/L	10/14/10	04:15	
61764-21SD	Tl	2102.07446	2102.19458	2101.95434	0.00808	ug/L	10/14/10	04:15	
61764-21SD	V	1289.71801	1290.53588	1288.90026	0.08967	ug/L	10/14/10	04:15	
61764-21SD	Zn	568.18933	569.23730	567.14141	0.26083	ug/L	10/14/10	04:15	
61764-21SD	2203/1	531.60278	529.89196	533.31353	0.45511	ug/L	10/14/10	04:15	
61764-21SD	2203/2	527.23919	525.96807	528.51031	0.34095	ug/L	10/14/10	04:15	
61764-21SD	1960/1	2122.77587	2119.64233	2125.90942	0.20875	ug/L	10/14/10	04:15	
61764-21SD	1960/2	2050.21826	2037.74401	2062.69238	0.86045	ug/L	10/14/10	04:15	
61764-21SD	Y	1089.60180	1092.36120	1086.84240	0.35814		10/14/10	04:15	
61764-22	Ag	-0.10287	-0.02799	-0.17776	102.94434	ug/L	10/14/10	04:21	
61764-22	Al	480.40158	478.08184	482.72131	0.68288	ug/L	10/14/10	04:21	
61764-22	2Al	0.48041	0.47809	0.48273	0.68288	mg/L	10/14/10	04:21	
61764-22	As	-0.50675	-3.70660	2.69308	892.98095	ug/L	10/14/10	04:21	
61764-22	B	120.27374	119.76747	120.78002	0.59529	ug/L	10/14/10	04:21	
61764-22	Ba	58.66985	58.77436	58.56534	0.25192	ug/L	10/14/10	04:21	
61764-22	Be	0.01228	-0.01828	0.04285	351.92459	ug/L	10/14/10	04:21	
61764-22	Ca	14022.68945	13991.51855	14053.86035	0.31436	ug/L	10/14/10	04:21	
61764-22	Cd	-0.06395	-0.44716	0.31924	847.31915	ug/L	10/14/10	04:21	
61764-22	Co	4.09227	4.26755	3.91699	6.05730	ug/L	10/14/10	04:21	
61764-22	Cr	9.25883	9.16252	9.35513	1.47105	ug/L	10/14/10	04:21	
61764-22	Cu	0.26027	0.03458	0.48596	122.63098	ug/L	10/14/10	04:21	
61764-22	Fe	198.64863	200.87443	196.42283	1.58458	ug/L	10/14/10	04:21	
61764-22	2Fe	0.19865	0.20087	0.19642	1.58431	mg/L	10/14/10	04:21	
61764-22	K	3521.79101	3530.38452	3513.19726	0.34508	ug/L	10/14/10	04:21	
61764-22	Mg	7600.86523	7570.01123	7631.71875	0.57406	ug/L	10/14/10	04:21	
61764-22	2Mg	7.59868	7.56784	7.62953	0.57407	mg/L	10/14/10	04:21	
61764-22	Mn	3.95903	3.88545	4.03262	2.62847	ug/L	10/14/10	04:21	
61764-22	Mo	60.50827	60.24925	60.76729	0.60538	ug/L	10/14/10	04:21	
61764-22	Na	299336.75000	298583.50000	300089.96875	0.35586	ug/L	10/14/10	04:21	
61764-22	Ni	4.76853	3.84328	5.69377	27.44032	ug/L	10/14/10	04:21	
61764-22	Pb	0.66370	1.13144	0.19596	99.66526	ug/L	10/14/10	04:21	
61764-22	Se	-0.90435	0.82600	-2.63470	270.59054	ug/L	10/14/10	04:21	
61764-22	Sb	4.53882	6.60436	2.47328	64.35827	ug/L	10/14/10	04:21	
61764-22	Sn	-4.58997	-5.94718	-3.23277	41.81675	ug/L	10/14/10	04:21	
61764-22	Sr	171.69302	171.97395	171.41210	0.23139	ug/L	10/14/10	04:21	
61764-22	Ti	1.05478	1.16513	0.94442	14.79603	ug/L	10/14/10	04:21	
61764-22	Tl	1.82363	2.86412	0.78314	80.68878	ug/L	10/14/10	04:21	
61764-22	V	282.56533	281.60247	283.52819	0.48190	ug/L	10/14/10	04:21	
61764-22	Zn	3.98066	3.86865	4.09266	3.97909	ug/L	10/14/10	04:21	
61764-22	2203/1	-4.54485	-1.01482	-8.07489	109.84338	ug/L	10/14/10	04:21	
61764-22	2203/2	3.26407	2.20296	4.32519	45.97449	ug/L	10/14/10	04:21	
61764-22	1960/1	-6.00636	-1.74533	-10.26740	100.32714	ug/L	10/14/10	04:21	
61764-22	1960/2	1.64283	2.10973	1.17592	40.19296	ug/L	10/14/10	04:21	
61764-22	Y	1101.03417	1098.17395	1103.89440	0.36737		10/14/10	04:21	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-23	Ag	-0.21760	0.02804	-0.46326	159.64709	ug/L	10/14/10	04:26	
61764-23	Al	-5.31614	-7.47571	-3.15657	57.44937	ug/L	10/14/10	04:26	
61764-23	2Al	-0.00531	-0.00747	-0.00315	57.42837	mg/L	10/14/10	04:26	
61764-23	As	2.83392	-2.64385	8.31171	273.35769	ug/L	10/14/10	04:26	
61764-23	B	684.27551	683.48052	685.07055	0.16430	ug/L	10/14/10	04:26	
61764-23	Ba	17.65513	17.86367	17.44659	1.67044	ug/L	10/14/10	04:26	
61764-23	Be	0.02697	0.02341	0.03053	18.67740	ug/L	10/14/10	04:26	
61764-23	Ca	90320.50000	90236.30468	90404.69531	0.13183	ug/L	10/14/10	04:26	
61764-23	Cd	-0.19472	-0.25865	-0.13080	46.42238	ug/L	10/14/10	04:26	
61764-23	Co	6.96036	6.61125	7.30946	7.09319	ug/L	10/14/10	04:26	
61764-23	Cr	4.32920	4.34825	4.31015	0.62223	ug/L	10/14/10	04:26	
61764-23	Cu	0.80731	0.68193	0.93269	21.96295	ug/L	10/14/10	04:26	
61764-23	Fe	173.21582	179.46998	166.96163	5.10619	ug/L	10/14/10	04:26	
61764-23	2Fe	0.17321	0.17947	0.16696	5.10542	mg/L	10/14/10	04:26	
61764-23	K	3634.29638	3650.60839	3617.98461	0.63474	ug/L	10/14/10	04:26	
61764-23	Mg	31590.60937	31544.20703	31637.01171	0.20772	ug/L	10/14/10	04:26	
61764-23	2Mg	31.58024	31.53239	31.62809	0.21428	mg/L	10/14/10	04:26	
61764-23	Mn	95.20381	95.17262	95.23500	0.04632	ug/L	10/14/10	04:26	
61764-23	Mo	41.54348	42.81469	40.27228	4.32740	ug/L	10/14/10	04:26	
61764-23	Na	213490.73437	213391.21875	213590.25000	0.06592	ug/L	10/14/10	04:26	
61764-23	Ni	18.10186	18.40859	17.79513	2.39633	ug/L	10/14/10	04:26	
61764-23	Pb	2.31446	2.95374	1.67518	39.06221	ug/L	10/14/10	04:26	
61764-23	Se	-5.64463	-4.50457	-6.78468	28.56307	ug/L	10/14/10	04:26	
61764-23	Sb	-2.12734	1.09582	-5.35052	214.26963	ug/L	10/14/10	04:26	
61764-23	Sn	-2.20139	-0.79772	-3.60505	90.17395	ug/L	10/14/10	04:26	
61764-23	Sr	532.46325	532.44683	532.47973	0.00436	ug/L	10/14/10	04:26	
61764-23	Ti	0.19628	0.54418	-0.15162	250.66403	ug/L	10/14/10	04:26	
61764-23	Tl	2.36710	7.54608	-2.81186	309.41467	ug/L	10/14/10	04:26	
61764-23	V	205.30526	205.29670	205.31381	0.00589	ug/L	10/14/10	04:26	
61764-23	Zn	6.79073	6.69554	6.88592	1.98242	ug/L	10/14/10	04:26	
61764-23	2203/1	-0.38364	2.87019	-3.63749	1199.44445	ug/L	10/14/10	04:26	
61764-23	2203/2	3.66150	2.99546	4.32753	25.72498	ug/L	10/14/10	04:26	
61764-23	1960/1	-8.79839	-5.04549	-12.55130	60.32249	ug/L	10/14/10	04:26	
61764-23	1960/2	-4.07011	-4.23452	-3.90570	5.71271	ug/L	10/14/10	04:26	
61764-23	Y	1088.83740	1089.12719	1088.54760	0.03763		10/14/10	04:26	
61764-24	Ag	-0.71092	-0.56515	-0.85668	28.99641	ug/L	10/14/10	04:31	
61764-24	Al	-9.34401	-8.62779	-10.06024	10.84009	ug/L	10/14/10	04:31	
61764-24	2Al	-0.00934	-0.00862	-0.01006	10.83999	mg/L	10/14/10	04:31	
61764-24	As	3.75688	3.98268	3.53109	8.49960	ug/L	10/14/10	04:31	
61764-24	B	699.92163	699.97021	699.87310	0.00981	ug/L	10/14/10	04:31	
61764-24	Ba	53.91452	53.89756	53.93147	0.04447	ug/L	10/14/10	04:31	
61764-24	Be	0.02539	0.02596	0.02483	3.16318	ug/L	10/14/10	04:31	
61764-24	Ca	79180.64843	79191.86718	79169.42968	0.02003	ug/L	10/14/10	04:31	
61764-24	Cd	-0.44343	-0.63181	-0.25505	60.07835	ug/L	10/14/10	04:31	
61764-24	Co	7.31267	6.87073	7.75462	8.54685	ug/L	10/14/10	04:31	
61764-24	Cr	6.14063	5.73215	6.54911	9.40756	ug/L	10/14/10	04:31	
61764-24	Cu	0.01487	-0.51865	0.54840	5072.15136	ug/L	10/14/10	04:31	
61764-24	Fe	1599.30541	1598.91918	1599.69177	0.03415	ug/L	10/14/10	04:31	
61764-24	2Fe	1.59910	1.59871	1.59949	0.03416	mg/L	10/14/10	04:31	
61764-24	K	11918.59667	11897.92285	11939.27050	0.24530	ug/L	10/14/10	04:31	
61764-24	Mg	30459.12109	30452.18164	30466.06054	0.03221	ug/L	10/14/10	04:31	
61764-24	2Mg	30.45064	30.44370	30.45758	0.03222	mg/L	10/14/10	04:31	
61764-24	Mn	879.51062	879.38647	879.63476	0.01996	ug/L	10/14/10	04:31	
61764-24	Mo	80.39192	79.94686	80.83699	0.78293	ug/L	10/14/10	04:31	
61764-24	Na	189681.10937	189306.53125	190055.68750	0.27927	ug/L	10/14/10	04:31	
61764-24	Ni	16.63049	16.75384	16.50715	1.04887	ug/L	10/14/10	04:31	
61764-24	Pb	1.89252	1.03919	2.74586	63.76659	ug/L	10/14/10	04:31	
61764-24	Se	-0.46836	-5.03584	4.09911	1379.13610	ug/L	10/14/10	04:31	
61764-24	Sb	-7.78127	-5.62723	-9.93530	39.14877	ug/L	10/14/10	04:31	
61764-24	Sn	-5.56072	-6.34151	-4.77994	19.85702	ug/L	10/14/10	04:31	
61764-24	Sr	492.57818	491.81777	493.33862	0.21832	ug/L	10/14/10	04:31	
61764-24	Ti	-0.20204	-0.08228	-0.32180	83.82382	ug/L	10/14/10	04:31	
61764-24	Tl	2.04332	-1.66951	5.75615	256.97073	ug/L	10/14/10	04:31	
61764-24	V	8.31660	8.45226	8.18094	2.30681	ug/L	10/14/10	04:31	
61764-24	Zn	4.90448	4.95682	4.85213	1.50944	ug/L	10/14/10	04:31	
61764-24	2203/1	-2.61923	-3.17407	-2.06439	29.95772	ug/L	10/14/10	04:31	
61764-24	2203/2	4.14502	3.14266	5.14738	34.19886	ug/L	10/14/10	04:31	
61764-24	1960/1	-6.25153	-9.67018	-2.83287	77.33647	ug/L	10/14/10	04:31	
61764-24	1960/2	2.41888	-2.72214	7.55990	300.57275	ug/L	10/14/10	04:31	
61764-24	Y	1099.94213	1101.76074	1098.12353	0.23382		10/14/10	04:31	

91

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	468.07043	469.19628	466.94461	0.34015	ug/L	10/14/10	04:37	
CCV	Al	4707.29052	4723.46289	4691.11816	0.48586	ug/L	10/14/10	04:37	
CCV	2Al	4.70711	4.72355	4.69067	0.49395	mg/L	10/14/10	04:37	
CCV	As	487.21948	488.06463	486.37429	0.24532	ug/L	10/14/10	04:37	
CCV	B	4800.28710	4801.65820	4798.91552	0.04040	ug/L	10/14/10	04:37	
CCV	Ba	4716.39648	4725.07568	4707.71728	0.26024	ug/L	10/14/10	04:37	
CCV	Be	487.92419	487.71829	488.13012	0.05968	ug/L	10/14/10	04:37	
CCV	Ca	5035.69921	5031.63671	5039.76171	0.11409	ug/L	10/14/10	04:37	
CCV	Cd	498.04101	499.44134	496.64071	0.39762	ug/L	10/14/10	04:37	
CCV	Co	492.15899	491.93603	492.38195	0.06406	ug/L	10/14/10	04:37	
CCV	Cr	4866.44921	4869.79687	4863.10156	0.09728	ug/L	10/14/10	04:37	
CCV	Cu	4660.83593	4673.15869	4648.51318	0.37390	ug/L	10/14/10	04:37	
CCV	Fe	4886.95068	4900.20703	4873.69433	0.38361	ug/L	10/14/10	04:37	
CCV	2Fe	4.88695	4.90020	4.87369	0.38359	mg/L	10/14/10	04:37	
CCV	K	8868.99609	8883.68554	8854.30664	0.23423	ug/L	10/14/10	04:37	
CCV	Mg	5113.60156	5111.86181	5115.34082	0.04810	ug/L	10/14/10	04:37	
CCV	2Mg	5.11353	5.11180	5.11527	0.04806	mg/L	10/14/10	04:37	
CCV	Mn	4888.90527	4896.53955	4881.27148	0.22082	ug/L	10/14/10	04:37	
CCV	Mo	489.74633	488.30224	491.19042	0.41700	ug/L	10/14/10	04:37	
CCV	Na	6778.71777	6729.79443	6827.64111	1.02066	ug/L	10/14/10	04:37	
CCV	Ni	2488.42968	2489.22241	2487.63671	0.04505	ug/L	10/14/10	04:37	
CCV	Pb	506.79266	505.12500	508.46029	0.46536	ug/L	10/14/10	04:37	
CCV	Se	4852.28027	4849.29638	4855.26464	0.08697	ug/L	10/14/10	04:37	
CCV	Sb	470.73962	469.09310	472.38616	0.49465	ug/L	10/14/10	04:37	
CCV	Sn	4934.65380	4938.87597	4930.43164	0.12100	ug/L	10/14/10	04:37	
CCV	Sr	2335.06396	2334.87915	2335.24902	0.01120	ug/L	10/14/10	04:37	
CCV	Ti	477.76394	477.99493	477.53295	0.06837	ug/L	10/14/10	04:37	
CCV	Tl	4848.93164	4865.26953	4832.59326	0.47650	ug/L	10/14/10	04:37	
CCV	V	4870.05371	4878.95312	4861.15478	0.25842	ug/L	10/14/10	04:37	
CCV	Zn	2561.58398	2560.01928	2563.14868	0.08638	ug/L	10/14/10	04:37	
CCV	2203/1	510.34771	509.87310	510.82235	0.13152	ug/L	10/14/10	04:37	
CCV	2203/2	505.01776	502.75451	507.28103	0.63378	ug/L	10/14/10	04:37	
CCV	1960/1	4946.69091	4929.07080	4964.31103	0.50374	ug/L	10/14/10	04:37	
CCV	1960/2	4805.14648	4809.46923	4800.82324	0.12723	ug/L	10/14/10	04:37	
CCV	Y	1129.02709	1132.25280	1125.80151	0.40404		10/14/10	04:37	
CCB	Ag	-0.32895	-1.18918	0.53126	369.81686	ug/L	10/14/10	04:42	
CCB	Al	-12.31735	-14.34491	-10.28980	23.27931	ug/L	10/14/10	04:42	
CCB	2Al	-0.01231	-0.01434	-0.01029	23.27914	mg/L	10/14/10	04:42	
CCB	As	-1.87806	-2.18449	-1.57162	23.07506	ug/L	10/14/10	04:42	
CCB	B	8.75006	8.48063	9.01950	4.35473	ug/L	10/14/10	04:42	
CCB	Ba	1.27360	0.15147	2.39573	124.60172	ug/L	10/14/10	04:42	
CCB	Be	0.14397	0.04326	0.24468	98.92666	ug/L	10/14/10	04:42	
CCB	Ca	12.12048	7.55704	16.68392	53.24605	ug/L	10/14/10	04:42	
CCB	Cd	-0.37301	-0.48919	-0.25682	44.04841	ug/L	10/14/10	04:42	
CCB	Co	0.19197	0.00108	0.38285	140.62295	ug/L	10/14/10	04:42	
CCB	Cr	1.87950	1.28698	2.47202	44.58343	ug/L	10/14/10	04:42	
CCB	Cu	0.99507	-0.02371	2.01385	144.79124	ug/L	10/14/10	04:42	
CCB	Fe	-19.59405	-21.27432	-17.91378	12.12744	ug/L	10/14/10	04:42	
CCB	2Fe	-0.01959	-0.02127	-0.01791	12.12885	mg/L	10/14/10	04:42	
CCB	K	-27.52633	-33.01392	-22.03874	28.19344	ug/L	10/14/10	04:42	
CCB	Mg	6.38591	3.54291	9.22890	62.96056	ug/L	10/14/10	04:42	
CCB	2Mg	0.00638	0.00354	0.00923	62.92412	mg/L	10/14/10	04:42	
CCB	Mn	1.55823	0.47268	2.64378	98.52198	ug/L	10/14/10	04:42	
CCB	Mo	-1.07247	-1.37980	-0.76515	40.52562	ug/L	10/14/10	04:42	
CCB	Na	0.78459	-77.44020	79.00940	14099.75585	ug/L	10/14/10	04:42	
CCB	Ni	1.17735	-0.03529	2.39000	145.66123	ug/L	10/14/10	04:42	
CCB	Pb	1.69400	3.50893	-0.12092	151.51626	ug/L	10/14/10	04:42	
CCB	Se	-1.92863	0.30965	-4.16692	164.12759	ug/L	10/14/10	04:42	
CCB	Sb	-2.85651	-2.84365	-2.86938	0.63685	ug/L	10/14/10	04:42	
CCB	Sn	-1.75553	-3.91656	0.40549	174.08686	ug/L	10/14/10	04:42	
CCB	Sr	0.72464	0.21407	1.23522	99.64307	ug/L	10/14/10	04:42	
CCB	Ti	0.11850	0.01173	0.22527	127.41571	ug/L	10/14/10	04:42	
CCB	Tl	6.33283	3.11248	9.55318	71.91513	ug/L	10/14/10	04:42	
CCB	V	0.11370	-1.18363	1.41103	1613.63732	ug/L	10/14/10	04:42	
CCB	Zn	1.62669	1.04523	2.20815	50.55062	ug/L	10/14/10	04:42	
CCB	2203/1	-0.85703	0.06380	-1.77787	151.95033	ug/L	10/14/10	04:42	
CCB	2203/2	2.96761	5.22892	0.70631	107.76206	ug/L	10/14/10	04:42	
CCB	1960/1	-1.08583	1.69858	-3.87025	362.64825	ug/L	10/14/10	04:42	
CCB	1960/2	-2.34940	-0.38376	-4.31504	118.32081	ug/L	10/14/10	04:42	
CCB	Y	1122.75659	1127.00280	1118.51037	0.53484		10/14/10	04:42	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-25	Ag	-0.21858	-0.31868	-0.11848	64.76181	ug/L	10/14/10	04:47	
61764-25	Al	27.45594	26.95878	27.95309	2.56076	ug/L	10/14/10	04:47	
61764-25	2Al	0.02745	0.02695	0.02795	2.56096	mg/L	10/14/10	04:47	
61764-25	As	3.78328	4.62392	2.94264	31.42353	ug/L	10/14/10	04:47	
61764-25	B	359.80914	360.33428	359.28396	0.20641	ug/L	10/14/10	04:47	
61764-25	Ba	16.92426	16.96265	16.88586	0.32084	ug/L	10/14/10	04:47	
61764-25	Be	-0.00612	-0.00870	-0.00354	59.58955	ug/L	10/14/10	04:47	
61764-25	Ca	21813.91796	21799.78906	21828.04492	0.09159	ug/L	10/14/10	04:47	
61764-25	Cd	-0.19921	-0.14880	-0.24962	35.78677	ug/L	10/14/10	04:47	
61764-25	Co	3.72934	3.29838	4.16030	16.34241	ug/L	10/14/10	04:47	
61764-25	Cr	6.97410	6.24995	7.69825	14.68428	ug/L	10/14/10	04:47	
61764-25	Cu	0.96245	0.13126	1.79364	122.13365	ug/L	10/14/10	04:47	
61764-25	Fe	246.97833	253.59684	240.35983	3.78979	ug/L	10/14/10	04:47	
61764-25	2Fe	0.24696	0.25358	0.24035	3.78940	mg/L	10/14/10	04:47	
61764-25	K	3599.36572	3597.03515	3601.69653	0.09157	ug/L	10/14/10	04:47	
61764-25	Mg	13907.12109	13884.46582	13929.77539	0.23037	ug/L	10/14/10	04:47	
61764-25	2Mg	13.90316	13.88051	13.92581	0.23038	mg/L	10/14/10	04:47	
61764-25	Mn	25.90229	25.88244	25.92214	0.10838	ug/L	10/14/10	04:47	
61764-25	Mo	203.57778	202.39587	204.75971	0.82105	ug/L	10/14/10	04:47	
61764-25	Na	346884.68750	346309.87500	347459.50000	0.23434	ug/L	10/14/10	04:47	
61764-25	Ni	5.71118	5.88445	5.53791	4.29061	ug/L	10/14/10	04:47	
61764-25	Pb	2.06623	0.24885	3.88361	124.38872	ug/L	10/14/10	04:47	
61764-25	Se	-2.25393	-1.26862	-3.23923	61.82245	ug/L	10/14/10	04:47	
61764-25	Sb	-4.93199	-1.68404	-8.17994	93.13250	ug/L	10/14/10	04:47	
61764-25	Sn	-5.50034	-2.90987	-8.09080	66.60433	ug/L	10/14/10	04:47	
61764-25	Sr	159.68936	160.05984	159.31887	0.32810	ug/L	10/14/10	04:47	
61764-25	Ti	-0.26367	-0.37164	-0.15569	57.91367	ug/L	10/14/10	04:47	
61764-25	Tl	-1.53292	-1.53837	-1.52748	0.50256	ug/L	10/14/10	04:47	
61764-25	V	199.34716	199.58992	199.10443	0.17220	ug/L	10/14/10	04:47	
61764-25	Zn	4.98068	4.43548	5.52587	15.48025	ug/L	10/14/10	04:47	
61764-25	2203/1	0.74751	1.89586	-0.40083	217.25531	ug/L	10/14/10	04:47	
61764-25	2203/2	2.72460	-0.57341	6.02262	171.18467	ug/L	10/14/10	04:47	
61764-25	1960/1	-1.56136	-2.31933	-0.80339	68.65354	ug/L	10/14/10	04:47	
61764-25	1960/2	-2.59969	-0.74405	-4.45533	100.94541	ug/L	10/14/10	04:47	
61764-25	Y	1091.14733	1094.52832	1087.76635	0.43820		10/14/10	04:47	
61764-26	Ag	-0.13028	-0.27514	0.01457	157.23800	ug/L	10/14/10	04:53	
61764-26	Al	-11.41253	-7.51426	-15.31079	48.30637	ug/L	10/14/10	04:53	
61764-26	2Al	-0.01141	-0.00751	-0.01531	48.30637	mg/L	10/14/10	04:53	
61764-26	As	0.25837	-1.43443	1.95118	926.56726	ug/L	10/14/10	04:53	
61764-26	B	205.66714	205.25624	206.07804	0.28254	ug/L	10/14/10	04:53	
61764-26	Ba	8.51850	8.58972	8.44729	1.18228	ug/L	10/14/10	04:53	
61764-26	Be	0.01175	0.01154	0.01195	2.42467	ug/L	10/14/10	04:53	
61764-26	Ca	8355.55273	8343.04589	8368.05957	0.21168	ug/L	10/14/10	04:53	
61764-26	Cd	-0.26999	-0.52011	-0.01986	131.01493	ug/L	10/14/10	04:53	
61764-26	Co	0.98539	0.49104	1.47975	70.94852	ug/L	10/14/10	04:53	
61764-26	Cr	2.08253	2.34151	1.82355	17.58683	ug/L	10/14/10	04:53	
61764-26	Cu	-0.75367	-1.07944	-0.42790	61.12879	ug/L	10/14/10	04:53	
61764-26	Fe	178.92536	173.45373	184.39700	4.32474	ug/L	10/14/10	04:53	
61764-26	2Fe	0.17890	0.17343	0.18437	4.32487	mg/L	10/14/10	04:53	
61764-26	K	3521.77734	3524.59301	3518.96142	0.11307	ug/L	10/14/10	04:53	
61764-26	Mg	15371.93359	15336.52929	15407.33886	0.32572	ug/L	10/14/10	04:53	
61764-26	2Mg	15.36759	15.33220	15.40299	0.32570	mg/L	10/14/10	04:53	
61764-26	Mn	75.37179	75.36342	75.38015	0.01569	ug/L	10/14/10	04:53	
61764-26	Mo	68.46109	68.77182	68.15035	0.64188	ug/L	10/14/10	04:53	
61764-26	Na	239371.06250	238845.53125	239896.59375	0.31048	ug/L	10/14/10	04:53	
61764-26	Ni	1.94108	1.76571	2.11645	12.77674	ug/L	10/14/10	04:53	
61764-26	Pb	1.47103	0.62190	2.32017	81.63307	ug/L	10/14/10	04:53	
61764-26	Se	-1.26731	-0.80598	-1.72863	51.47961	ug/L	10/14/10	04:53	
61764-26	Sb	-1.06612	-1.99495	-0.13729	123.20864	ug/L	10/14/10	04:53	
61764-26	Sn	-3.34303	-3.61915	-3.06691	11.68074	ug/L	10/14/10	04:53	
61764-26	Sr	83.30131	83.27539	83.32722	0.04399	ug/L	10/14/10	04:53	
61764-26	Ti	-0.52930	-0.62620	-0.43240	25.89042	ug/L	10/14/10	04:53	
61764-26	Tl	0.53357	-1.16311	2.23027	449.69714	ug/L	10/14/10	04:53	
61764-26	V	0.38802	0.18382	0.59222	74.42348	ug/L	10/14/10	04:53	
61764-26	Zn	2.94270	2.79182	3.09358	7.25108	ug/L	10/14/10	04:53	
61764-26	2203/1	0.58300	0.74450	0.42151	39.17468	ug/L	10/14/10	04:53	
61764-26	2203/2	1.91438	0.56069	3.26806	100.00077	ug/L	10/14/10	04:53	
61764-26	1960/1	-0.04418	1.34409	-1.43246	4443.71875	ug/L	10/14/10	04:53	
61764-26	1960/2	-1.87795	-1.87942	-1.87649	0.11018	ug/L	10/14/10	04:53	
61764-26	Y	1105.30554	1104.64196	1105.96911	0.08490		10/14/10	04:53	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-27	Ag	-0.99825	-1.09268	-0.90383	13.37707	ug/L	10/14/10	04:58	
61764-27	Al	-10.95786	-7.95556	-13.96016	38.74751	ug/L	10/14/10	04:58	
61764-27	2Al	-0.01095	-0.00795	-0.01396	38.74760	mg/L	10/14/10	04:58	
61764-27	As	2.04186	7.23532	-3.15159	359.70419	ug/L	10/14/10	04:58	
61764-27	B	27.09321	27.98105	26.20538	4.63432	ug/L	10/14/10	04:58	
61764-27	Ba	37.51046	37.55418	37.46674	0.16484	ug/L	10/14/10	04:58	
61764-27	Be	0.00643	0.00264	0.01022	83.29946	ug/L	10/14/10	04:58	
61764-27	Ca	20775.28320	20770.50781	20780.05859	0.03250	ug/L	10/14/10	04:58	
61764-27	Cd	-0.35336	-0.49993	-0.20679	58.66012	ug/L	10/14/10	04:58	
61764-27	Co	0.03994	-0.12115	0.20103	570.37878	ug/L	10/14/10	04:58	
61764-27	Cr	0.95125	1.31870	0.58380	54.62833	ug/L	10/14/10	04:58	
61764-27	Cu	-0.40918	-0.47338	-0.34499	22.18649	ug/L	10/14/10	04:58	
61764-27	Fe	190.18827	192.49819	187.87835	1.71762	ug/L	10/14/10	04:58	
61764-27	2Fe	0.19016	0.19247	0.18785	1.71754	mg/L	10/14/10	04:58	
61764-27	K	5100.31445	5097.01367	5103.61474	0.09151	ug/L	10/14/10	04:58	
61764-27	Mg	4503.15136	4499.97119	4506.33154	0.09987	ug/L	10/14/10	04:58	
61764-27	2Mg	4.50209	4.49891	4.50527	0.09988	mg/L	10/14/10	04:58	
61764-27	Mn	531.38183	531.42980	531.33386	0.01276	ug/L	10/14/10	04:58	
61764-27	Mo	3.79711	3.76326	3.83097	1.26096	ug/L	10/14/10	04:58	
61764-27	Na	2675.84960	2706.82348	2644.87597	1.63699	ug/L	10/14/10	04:58	
61764-27	Ni	-0.16775	0.84907	-1.18458	857.20257	ug/L	10/14/10	04:58	
61764-27	Pb	2.88146	0.87083	4.89208	98.68115	ug/L	10/14/10	04:58	
61764-27	Se	-1.12076	-2.69284	0.45131	198.37033	ug/L	10/14/10	04:58	
61764-27	Sb	-6.57443	-7.03241	-6.11645	9.85154	ug/L	10/14/10	04:58	
61764-27	Sn	-5.40596	-5.13826	-5.67366	7.00311	ug/L	10/14/10	04:58	
61764-27	Sr	137.70309	137.83917	137.56703	0.13974	ug/L	10/14/10	04:58	
61764-27	Ti	-0.10553	-0.07427	-0.13679	41.88934	ug/L	10/14/10	04:58	
61764-27	Tl	2.04301	1.21643	2.86960	57.21766	ug/L	10/14/10	04:58	
61764-27	V	-1.13259	-1.54727	-0.71791	51.77898	ug/L	10/14/10	04:58	
61764-27	Zn	3.81119	3.84380	3.77857	1.21025	ug/L	10/14/10	04:58	
61764-27	2203/1	-2.99376	-5.17620	-0.81132	103.09547	ug/L	10/14/10	04:58	
61764-27	2203/2	5.81467	3.88982	7.73952	46.81517	ug/L	10/14/10	04:58	
61764-27	1960/1	1.89025	-1.50079	5.28130	253.70503	ug/L	10/14/10	04:58	
61764-27	1960/2	-2.62401	-3.28797	-1.96005	35.78410	ug/L	10/14/10	04:58	
61764-27	Y	1134.77270	1134.15954	1135.38598	0.07642		10/14/10	04:58	
61764-28	Ag	-0.85676	-0.95352	-0.76000	15.97137	ug/L	10/14/10	05:03	
61764-28	Al	37.57057	35.60689	39.53425	7.39159	ug/L	10/14/10	05:03	
61764-28	2Al	0.03757	0.03560	0.03953	7.39171	mg/L	10/14/10	05:03	
61764-28	As	4.37096	4.54227	4.19964	5.54272	ug/L	10/14/10	05:03	
61764-28	B	300.79168	301.81835	299.76501	0.48270	ug/L	10/14/10	05:03	
61764-28	Ba	34.97548	34.87767	35.07329	0.39549	ug/L	10/14/10	05:03	
61764-28	Be	0.02183	0.04720	-0.00352	164.26402	ug/L	10/14/10	05:03	
61764-28	Ca	11874.53125	11870.11035	11878.95117	0.05264	ug/L	10/14/10	05:03	
61764-28	Cd	-0.25249	-0.22813	-0.27684	13.64173	ug/L	10/14/10	05:03	
61764-28	Co	1.01603	0.50397	1.52809	71.27366	ug/L	10/14/10	05:03	
61764-28	Cr	54.09166	54.31322	53.87010	0.57925	ug/L	10/14/10	05:03	
61764-28	Cu	25.73497	25.34564	26.12430	2.13948	ug/L	10/14/10	05:03	
61764-28	Fe	3432.16796	3444.52636	3419.80932	0.50922	ug/L	10/14/10	05:03	
61764-28	2Fe	3.43173	3.44409	3.41938	0.50921	mg/L	10/14/10	05:03	
61764-28	K	2245.98242	2259.90747	2232.05761	0.87680	ug/L	10/14/10	05:03	
61764-28	Mg	4373.90820	4371.65283	4376.16357	0.07292	ug/L	10/14/10	05:03	
61764-28	2Mg	4.37213	4.36987	4.37439	0.07299	mg/L	10/14/10	05:03	
61764-28	Mn	141.74441	141.51098	141.97784	0.23289	ug/L	10/14/10	05:03	
61764-28	Mo	284.18334	282.65322	285.71347	0.76145	ug/L	10/14/10	05:03	
61764-28	Na	217887.59375	218736.93750	217038.23437	0.55127	ug/L	10/14/10	05:03	
61764-28	Ni	1.77176	2.78000	0.76351	80.47779	ug/L	10/14/10	05:03	
61764-28	Pb	4.10751	4.39479	3.82023	9.89103	ug/L	10/14/10	05:03	
61764-28	Se	-2.51327	2.37853	-7.40508	275.26058	ug/L	10/14/10	05:03	
61764-28	Sb	-5.42363	-4.13065	-6.71660	33.71444	ug/L	10/14/10	05:03	
61764-28	Sn	-5.57483	-3.39285	-7.75681	55.35211	ug/L	10/14/10	05:03	
61764-28	Sr	68.79116	68.74514	68.83718	0.09461	ug/L	10/14/10	05:03	
61764-28	Ti	0.46378	0.43203	0.49552	9.68028	ug/L	10/14/10	05:03	
61764-28	Tl	2.18081	2.81824	1.54339	41.33581	ug/L	10/14/10	05:03	
61764-28	V	66.00672	66.28773	65.72570	0.60207	ug/L	10/14/10	05:03	
61764-28	Zn	22.02256	21.97950	22.06562	0.27649	ug/L	10/14/10	05:03	
61764-28	2203/1	2.30784	4.24337	0.37232	118.60616	ug/L	10/14/10	05:03	
61764-28	2203/2	5.00599	4.47037	5.54160	15.13124	ug/L	10/14/10	05:03	
61764-28	1960/1	-3.35460	-1.82863	-4.88056	64.33085	ug/L	10/14/10	05:03	
61764-28	1960/2	-2.09324	4.47895	-8.66545	444.02331	ug/L	10/14/10	05:03	
61764-28	Y	1106.51928	1105.63317	1107.40551	0.11325		10/14/10	05:03	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-29	Ag	-0.03670	0.25317	-0.32657	1117.00537	ug/L	10/14/10	05:09	
61764-29	Al	-9.53504	-7.47423	-11.59584	30.56531	ug/L	10/14/10	05:09	
61764-29	2Al	-0.00953	-0.00747	-0.01159	30.56517	mg/L	10/14/10	05:09	
61764-29	As	-2.10339	-1.02528	-3.18150	72.48639	ug/L	10/14/10	05:09	
61764-29	B	241.24237	239.77769	242.70703	0.85861	ug/L	10/14/10	05:09	
61764-29	Ba	21.68389	21.76980	21.59799	0.56028	ug/L	10/14/10	05:09	
61764-29	Be	0.01061	0.02136	-0.00013	143.23860	ug/L	10/14/10	05:09	
61764-29	Ca	7596.69140	7590.74511	7602.63818	0.11070	ug/L	10/14/10	05:09	
61764-29	Cd	-0.30187	-0.53871	-0.06503	110.95482	ug/L	10/14/10	05:09	
61764-29	Co	0.99802	1.39612	0.59992	56.41106	ug/L	10/14/10	05:09	
61764-29	Cr	2.01512	2.64851	1.38174	44.45067	ug/L	10/14/10	05:09	
61764-29	Cu	0.90911	0.79336	1.02487	18.00724	ug/L	10/14/10	05:09	
61764-29	Fe	301.79589	300.30816	303.28359	0.69714	ug/L	10/14/10	05:09	
61764-29	2Fe	0.30175	0.30027	0.30324	0.69705	mg/L	10/14/10	05:09	
61764-29	K	4176.31152	4185.33740	4167.28564	0.30564	ug/L	10/14/10	05:09	
61764-29	Mg	9599.97460	9606.21484	9593.73535	0.09192	ug/L	10/14/10	05:09	
61764-29	2Mg	9.59728	9.60352	9.59104	0.09192	mg/L	10/14/10	05:09	
61764-29	Mn	160.96688	160.73773	161.19606	0.20133	ug/L	10/14/10	05:09	
61764-29	Mo	81.65342	81.59384	81.71302	0.10320	ug/L	10/14/10	05:09	
61764-29	Na	161765.25000	162074.79687	161455.68750	0.27062	ug/L	10/14/10	05:09	
61764-29	Ni	1.72029	2.12680	1.31379	33.41756	ug/L	10/14/10	05:09	
61764-29	Pb	1.67284	2.64720	0.69848	82.37211	ug/L	10/14/10	05:09	
61764-29	Se	-3.78320	-3.86195	-3.70445	2.94378	ug/L	10/14/10	05:09	
61764-29	Sb	-7.25504	-5.94826	-8.56182	25.47281	ug/L	10/14/10	05:09	
61764-29	Sn	-4.36479	-3.17267	-5.55691	38.62524	ug/L	10/14/10	05:09	
61764-29	Sr	65.38442	65.22221	65.54663	0.35085	ug/L	10/14/10	05:09	
61764-29	Ti	-0.23446	-0.28799	-0.18093	32.28844	ug/L	10/14/10	05:09	
61764-29	Tl	0.70350	2.21110	-0.80409	303.06411	ug/L	10/14/10	05:09	
61764-29	V	-0.92894	-0.32218	-1.53569	92.37243	ug/L	10/14/10	05:09	
61764-29	Zn	4.36257	4.30551	4.41963	1.84971	ug/L	10/14/10	05:09	
61764-29	2203/1	-2.68179	-0.03164	-5.33193	139.75251	ug/L	10/14/10	05:09	
61764-29	2203/2	3.84689	3.98462	3.70917	5.06313	ug/L	10/14/10	05:09	
61764-29	1960/1	-4.45939	-4.90766	-4.01112	14.21602	ug/L	10/14/10	05:09	
61764-29	1960/2	-3.44562	-3.33988	-3.55135	4.33965	ug/L	10/14/10	05:09	
61764-29	Y	1110.09350	1109.37121	1110.81591	0.09202		10/14/10	05:09	
61764-30	Ag	0.43110	0.25904	0.60315	56.44276	ug/L	10/14/10	05:14	
61764-30	Al	33.95774	28.87248	39.04301	21.17822	ug/L	10/14/10	05:14	
61764-30	2Al	0.03395	0.02887	0.03904	21.17848	mg/L	10/14/10	05:14	
61764-30	As	-0.64815	-3.37781	2.08149	595.58038	ug/L	10/14/10	05:14	
61764-30	B	337.05480	336.47879	337.63085	0.24169	ug/L	10/14/10	05:14	
61764-30	Ba	16.44040	16.31823	16.56256	1.05086	ug/L	10/14/10	05:14	
61764-30	Be	0.01627	0.01314	0.01939	27.19275	ug/L	10/14/10	05:14	
61764-30	Ca	32142.48242	32128.88281	32156.08203	0.05983	ug/L	10/14/10	05:14	
61764-30	Cd	-0.32605	-0.27607	-0.37603	21.67906	ug/L	10/14/10	05:14	
61764-30	Co	1.53667	1.49299	1.58034	4.01916	ug/L	10/14/10	05:14	
61764-30	Cr	191.45178	191.11369	191.78985	0.24973	ug/L	10/14/10	05:14	
61764-30	Cu	2.69271	2.13900	3.24643	29.08085	ug/L	10/14/10	05:14	
61764-30	Fe	64.38714	72.70946	56.06482	18.27933	ug/L	10/14/10	05:14	
61764-30	2Fe	0.06438	0.07270	0.05606	18.27820	mg/L	10/14/10	05:14	
61764-30	K	4259.55175	4261.47119	4257.63183	0.06373	ug/L	10/14/10	05:14	
61764-30	Mg	15507.63085	15476.24414	15539.01660	0.28622	ug/L	10/14/10	05:14	
61764-30	2Mg	15.50329	15.47191	15.53467	0.28625	mg/L	10/14/10	05:14	
61764-30	Mn	118.49902	118.44034	118.55770	0.07003	ug/L	10/14/10	05:14	
61764-30	Mo	219.63589	219.13577	220.13603	0.32202	ug/L	10/14/10	05:14	
61764-30	Na	140606.87500	139824.51562	141389.25000	0.78689	ug/L	10/14/10	05:14	
61764-30	Ni	2.64806	2.17127	3.12486	25.46351	ug/L	10/14/10	05:14	
61764-30	Pb	0.78283	1.47594	0.08972	125.21246	ug/L	10/14/10	05:14	
61764-30	Se	-1.94782	-0.06072	-3.83492	137.01277	ug/L	10/14/10	05:14	
61764-30	Sb	-6.19557	-7.24575	-5.14540	23.97146	ug/L	10/14/10	05:14	
61764-30	Sn	-7.19533	-6.52495	-7.86571	13.17599	ug/L	10/14/10	05:14	
61764-30	Sr	189.98287	190.41349	189.55224	0.32055	ug/L	10/14/10	05:14	
61764-30	Ti	-0.28610	-0.52239	-0.04980	116.80381	ug/L	10/14/10	05:14	
61764-30	Tl	-1.28539	-2.09332	-0.47746	88.88996	ug/L	10/14/10	05:14	
61764-30	V	43.00809	42.45737	43.55882	1.81092	ug/L	10/14/10	05:14	
61764-30	Zn	4.42308	4.29263	4.55352	4.17079	ug/L	10/14/10	05:14	
61764-30	2203/1	-2.67978	-3.20516	-2.15440	27.72605	ug/L	10/14/10	05:14	
61764-30	2203/2	2.51154	3.81299	1.21010	73.28219	ug/L	10/14/10	05:14	
61764-30	1960/1	-4.95585	-2.51621	-7.39550	69.61827	ug/L	10/14/10	05:14	
61764-30	1960/2	-0.44606	1.16518	-2.05731	510.83462	ug/L	10/14/10	05:14	
61764-30	Y	1101.81542	1103.53320	1100.09753	0.22048		10/14/10	05:14	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-31	Ag	-0.97633	-0.37609	-1.57656	86.94350	ug/L	10/14/10	05:19	
61764-31	Al	-14.28884	-14.37929	-14.19838	0.89522	ug/L	10/14/10	05:19	
61764-31	2Al	-0.01428	-0.01437	-0.01419	0.89516	mg/L	10/14/10	05:19	
61764-31	As	0.72939	1.35880	0.09998	122.03631	ug/L	10/14/10	05:19	
61764-31	B	124.75798	124.07144	125.44451	0.77823	ug/L	10/14/10	05:19	
61764-31	Ba	20.95138	20.84694	21.05582	0.70494	ug/L	10/14/10	05:19	
61764-31	Be	0.00079	-0.01049	0.01208	2007.27734	ug/L	10/14/10	05:19	
61764-31	Ca	3760.90576	3762.46118	3759.35058	0.05848	ug/L	10/14/10	05:19	
61764-31	Cd	-0.32179	-0.35891	-0.28467	16.31511	ug/L	10/14/10	05:19	
61764-31	Co	1.06865	0.93070	1.20660	18.25547	ug/L	10/14/10	05:19	
61764-31	Cr	1.08371	0.63176	1.53566	58.97850	ug/L	10/14/10	05:19	
61764-31	Cu	2.64460	2.32462	2.96458	17.11091	ug/L	10/14/10	05:19	
61764-31	Fe	23.94810	20.07562	27.82057	22.86823	ug/L	10/14/10	05:19	
61764-31	2Fe	0.02394	0.02007	0.02781	22.86801	mg/L	10/14/10	05:19	
61764-31	K	18169.08984	18170.59179	18167.58984	0.01168	ug/L	10/14/10	05:19	
61764-31	Mg	10087.51171	10091.64355	10083.37988	0.05792	ug/L	10/14/10	05:19	
61764-31	2Mg	10.08466	10.08879	10.08052	0.05794	mg/L	10/14/10	05:19	
61764-31	Mn	2.12773	2.02228	2.23317	7.00864	ug/L	10/14/10	05:19	
61764-31	Mo	241.07250	240.25402	241.89097	0.48014	ug/L	10/14/10	05:19	
61764-31	Na	185765.40625	185685.07812	185845.75000	0.06115	ug/L	10/14/10	05:19	
61764-31	Ni	4.89558	4.98021	4.81094	2.44489	ug/L	10/14/10	05:19	
61764-31	Pb	1.09037	1.37101	0.80972	36.39961	ug/L	10/14/10	05:19	
61764-31	Se	-3.69509	-4.08464	-3.30554	14.90910	ug/L	10/14/10	05:19	
61764-31	Sb	-8.46693	-9.94957	-6.98430	24.76412	ug/L	10/14/10	05:19	
61764-31	Sn	-6.58006	-6.69737	-6.46275	2.52125	ug/L	10/14/10	05:19	
61764-31	Sr	622.88183	623.60540	622.15820	0.16428	ug/L	10/14/10	05:19	
61764-31	Ti	-0.56252	-0.61599	-0.50906	13.44094	ug/L	10/14/10	05:19	
61764-31	Tl	-1.11012	1.77283	-3.99307	367.26681	ug/L	10/14/10	05:19	
61764-31	V	5.28501	4.66217	5.90784	16.66649	ug/L	10/14/10	05:19	
61764-31	Zn	3.55176	3.31072	3.79280	9.59760	ug/L	10/14/10	05:19	
61764-31	2203/1	-4.17743	-2.28630	-6.06856	64.02149	ug/L	10/14/10	05:19	
61764-31	2203/2	3.72032	3.19693	4.24371	19.89577	ug/L	10/14/10	05:19	
61764-31	1960/1	-3.82364	-4.33943	-3.30785	19.07709	ug/L	10/14/10	05:19	
61764-31	1960/2	-3.63091	-3.95743	-3.30439	12.71777	ug/L	10/14/10	05:19	
61764-31	Y	1114.67163	1113.89880	1115.44433	0.09804		10/14/10	05:19	
61764-32	Ag	-0.61572	-0.13304	-1.09839	110.86296	ug/L	10/14/10	05:25	
61764-32	Al	-6.29232	-9.32825	-3.25640	68.23302	ug/L	10/14/10	05:25	
61764-32	2Al	-0.00629	-0.00932	-0.00325	68.23308	mg/L	10/14/10	05:25	
61764-32	As	-3.57008	-3.10120	-4.03895	18.57357	ug/L	10/14/10	05:25	
61764-32	B	17.43423	16.43257	18.43589	8.12515	ug/L	10/14/10	05:25	
61764-32	Ba	8.07460	8.02426	8.12494	0.88169	ug/L	10/14/10	05:25	
61764-32	Be	-0.00236	-0.00567	0.00094	198.16807	ug/L	10/14/10	05:25	
61764-32	Ca	14265.93261	14253.36523	14278.50000	0.12458	ug/L	10/14/10	05:25	
61764-32	Cd	-0.27280	-0.26078	-0.28483	6.23327	ug/L	10/14/10	05:25	
61764-32	Co	-0.28417	0.04500	-0.61335	163.81950	ug/L	10/14/10	05:25	
61764-32	Cr	3.65943	3.51746	3.80140	5.48664	ug/L	10/14/10	05:25	
61764-32	Cu	-0.24220	-0.16241	-0.32199	46.58984	ug/L	10/14/10	05:25	
61764-32	Fe	25.32213	34.78617	15.85809	52.85564	ug/L	10/14/10	05:25	
61764-32	2Fe	0.02531	0.03478	0.01585	52.85654	mg/L	10/14/10	05:25	
61764-32	K	18624.45703	18607.08593	18641.82617	0.13189	ug/L	10/14/10	05:25	
61764-32	Mg	1836.58666	1836.13732	1837.03613	0.03460	ug/L	10/14/10	05:25	
61764-32	2Mg	1.83606	1.83561	1.83651	0.03473	mg/L	10/14/10	05:25	
61764-32	Mn	1.03819	0.99525	1.08113	5.84946	ug/L	10/14/10	05:25	
61764-32	Mo	6.12537	5.73452	6.51621	9.02379	ug/L	10/14/10	05:25	
61764-32	Na	11169.40625	11145.54199	11193.26953	0.30215	ug/L	10/14/10	05:25	
61764-32	Ni	0.86452	0.78103	0.94802	13.65839	ug/L	10/14/10	05:25	
61764-32	Pb	1.60783	3.12145	0.09421	133.13462	ug/L	10/14/10	05:25	
61764-32	Se	-1.92938	-3.99309	0.13431	151.26667	ug/L	10/14/10	05:25	
61764-32	Sb	-7.21485	-7.63000	-6.79970	8.13746	ug/L	10/14/10	05:25	
61764-32	Sn	-7.75847	-5.09835	-10.41859	48.48856	ug/L	10/14/10	05:25	
61764-32	Sr	55.68220	55.58692	55.77747	0.24197	ug/L	10/14/10	05:25	
61764-32	Ti	-0.30950	-0.40562	-0.21338	43.91876	ug/L	10/14/10	05:25	
61764-32	Tl	2.40872	1.97908	2.83836	25.22498	ug/L	10/14/10	05:25	
61764-32	V	0.20662	0.48039	-0.06714	187.37561	ug/L	10/14/10	05:25	
61764-32	Zn	5.34953	5.28236	5.41670	1.77574	ug/L	10/14/10	05:25	
61764-32	2203/1	-5.14861	-2.73546	-7.56177	66.28411	ug/L	10/14/10	05:25	
61764-32	2203/2	4.98099	6.04551	3.91646	30.22423	ug/L	10/14/10	05:25	
61764-32	1960/1	-4.18410	-4.78959	-3.57861	20.46536	ug/L	10/14/10	05:25	
61764-32	1960/2	-0.80371	-3.59544	1.98800	491.22766	ug/L	10/14/10	05:25	
61764-32	Y	1108.50585	1109.64831	1107.36352	0.14574		10/14/10	05:25	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-33	Ag	-0.40908	-0.06092	-0.75724	120.35997	ug/L	10/14/10	05:30	
61764-33	Al	-0.33526	1.26572	-1.93626	675.32275	ug/L	10/14/10	05:30	
61764-33	2Al	-0.00033	0.00126	-0.00193	675.33221	mg/L	10/14/10	05:30	
61764-33	As	1.06264	1.48690	0.63837	56.46352	ug/L	10/14/10	05:30	
61764-33	B	244.24485	244.26757	244.22213	0.01315	ug/L	10/14/10	05:30	
61764-33	Ba	33.04407	33.05593	33.03221	0.05074	ug/L	10/14/10	05:30	
61764-33	Be	0.03425	0.04182	0.02668	31.24934	ug/L	10/14/10	05:30	
61764-33	Ca	98276.65625	98349.29687	98204.00781	0.10453	ug/L	10/14/10	05:30	
61764-33	Cd	-0.17889	-0.10975	-0.24803	54.65543	ug/L	10/14/10	05:30	
61764-33	Co	3.20432	3.29180	3.11683	3.86120	ug/L	10/14/10	05:30	
61764-33	Cr	0.80861	0.72736	0.88985	14.20937	ug/L	10/14/10	05:30	
61764-33	Cu	2.10583	2.42740	1.78426	21.59545	ug/L	10/14/10	05:30	
61764-33	Fe	16056.80566	16085.55566	16028.05566	0.25321	ug/L	10/14/10	05:30	
61764-33	2Fe	16.05361	16.08236	16.02486	0.25324	mg/L	10/14/10	05:30	
61764-33	K	155091.14062	155058.84375	155123.43750	0.02945	ug/L	10/14/10	05:30	
61764-33	Mg	28746.99218	28769.66796	28724.31640	0.11155	ug/L	10/14/10	05:30	
61764-33	2Mg	28.73628	28.75895	28.71361	0.11155	mg/L	10/14/10	05:30	
61764-33	Mn	504.77557	505.04055	504.51058	0.07423	ug/L	10/14/10	05:30	
61764-33	Mo	215.10183	216.16156	214.04209	0.69673	ug/L	10/14/10	05:30	
61764-33	Na	150024.00000	149665.98437	150382.01562	0.33748	ug/L	10/14/10	05:30	
61764-33	Ni	5.74277	5.91487	5.57066	4.23818	ug/L	10/14/10	05:30	
61764-33	Pb	2.58008	4.05265	1.10751	80.71552	ug/L	10/14/10	05:30	
61764-33	Se	-2.93758	-2.26909	-3.60607	32.18262	ug/L	10/14/10	05:30	
61764-33	Sb	-6.07421	-5.43941	-6.70901	14.77957	ug/L	10/14/10	05:30	
61764-33	Sn	-9.82022	-10.57506	-9.06538	10.87042	ug/L	10/14/10	05:30	
61764-33	Sr	459.70050	460.31869	459.08230	0.19018	ug/L	10/14/10	05:30	
61764-33	Ti	-0.32771	-0.22816	-0.42726	42.96052	ug/L	10/14/10	05:30	
61764-33	Tl	4.53645	6.09788	2.97501	48.67682	ug/L	10/14/10	05:30	
61764-33	V	-0.56400	0.00699	-1.13500	143.17440	ug/L	10/14/10	05:30	
61764-33	Zn	7.24465	7.40315	7.08615	3.09405	ug/L	10/14/10	05:30	
61764-33	2203/1	-1.20196	1.45134	-3.85526	312.18472	ug/L	10/14/10	05:30	
61764-33	2203/2	4.46827	5.35136	3.58518	27.94984	ug/L	10/14/10	05:30	
61764-33	1960/1	-2.67009	0.73692	-6.07712	180.45260	ug/L	10/14/10	05:30	
61764-33	1960/2	-3.07112	-3.76984	-2.37240	32.17518	ug/L	10/14/10	05:30	
61764-33	Y	1076.53552	1076.35070	1076.72033	0.02427		10/14/10	05:30	
61764-34	Ag	-0.56412	-0.61278	-0.51546	12.19844	ug/L	10/14/10	05:35	
61764-34	Al	-11.43501	-15.16106	-7.70896	46.08153	ug/L	10/14/10	05:35	
61764-34	2Al	-0.01143	-0.01516	-0.00770	46.08153	mg/L	10/14/10	05:35	
61764-34	As	-1.68949	0.02609	-3.40508	143.60594	ug/L	10/14/10	05:35	
61764-34	B	219.39555	218.57460	220.21650	0.52918	ug/L	10/14/10	05:35	
61764-34	Ba	7.67086	7.81261	7.52912	2.61320	ug/L	10/14/10	05:35	
61764-34	Be	0.01318	0.02422	0.00213	118.48754	ug/L	10/14/10	05:35	
61764-34	Ca	7103.94580	7100.38916	7107.50244	0.07080	ug/L	10/14/10	05:35	
61764-34	Cd	-0.17022	-0.03801	-0.30242	109.83980	ug/L	10/14/10	05:35	
61764-34	Co	1.15263	1.11303	1.19224	4.85936	ug/L	10/14/10	05:35	
61764-34	Cr	3.03361	2.47547	3.59175	26.01938	ug/L	10/14/10	05:35	
61764-34	Cu	0.40220	-0.27591	1.08032	238.43981	ug/L	10/14/10	05:35	
61764-34	Fe	293.53146	295.92028	291.14263	1.15091	ug/L	10/14/10	05:35	
61764-34	2Fe	0.29349	0.29588	0.29110	1.15093	mg/L	10/14/10	05:35	
61764-34	K	3200.10473	3206.93237	3193.27709	0.30173	ug/L	10/14/10	05:35	
61764-34	Mg	7000.06494	6992.37548	7007.75439	0.15534	ug/L	10/14/10	05:35	
61764-34	2Mg	6.99822	6.99053	7.00591	0.15536	mg/L	10/14/10	05:35	
61764-34	Mn	405.76348	405.24295	406.28399	0.18141	ug/L	10/14/10	05:35	
61764-34	Mo	72.45436	73.17482	71.73388	1.40626	ug/L	10/14/10	05:35	
61764-34	Na	211577.03125	211906.59375	211247.46875	0.22028	ug/L	10/14/10	05:35	
61764-34	Ni	1.77863	2.10600	1.45127	26.02899	ug/L	10/14/10	05:35	
61764-34	Pb	2.29203	1.15781	3.42626	69.98292	ug/L	10/14/10	05:35	
61764-34	Se	-3.00972	1.10092	-7.12036	193.15187	ug/L	10/14/10	05:35	
61764-34	Sb	-8.65012	-6.61851	-10.68173	33.21487	ug/L	10/14/10	05:35	
61764-34	Sn	-2.88029	-1.21083	-4.54974	81.96966	ug/L	10/14/10	05:35	
61764-34	Sr	67.89974	67.91409	67.88539	0.02988	ug/L	10/14/10	05:35	
61764-34	Ti	-0.52051	-0.53148	-0.50954	2.98050	ug/L	10/14/10	05:35	
61764-34	Tl	0.26219	0.73056	-0.20618	252.63343	ug/L	10/14/10	05:35	
61764-34	V	-0.19797	0.30645	-0.70240	360.34124	ug/L	10/14/10	05:35	
61764-34	Zn	3.61435	3.42982	3.79888	7.22005	ug/L	10/14/10	05:35	
61764-34	2203/1	-4.15378	-2.59009	-5.71747	53.23788	ug/L	10/14/10	05:35	
61764-34	2203/2	5.51011	3.02896	7.99127	63.68078	ug/L	10/14/10	05:35	
61764-34	1960/1	-5.84617	-5.89564	-5.79670	1.19674	ug/L	10/14/10	05:35	
61764-34	1960/2	-1.59362	4.59396	-7.78120	549.09997	ug/L	10/14/10	05:35	
61764-34	Y	1097.82116	1097.43481	1098.20751	0.04976		10/14/10	05:35	

97

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	474.27832	473.46447	475.09213	0.24266	ug/L	10/14/10	05:41	
CCV	Al	4803.59423	4795.21435	4811.97412	0.24670	ug/L	10/14/10	05:41	
CCV	2Al	4.80369	4.79531	4.81207	0.24670	mg/L	10/14/10	05:41	
CCV	As	489.85070	484.95373	494.74768	1.41377	ug/L	10/14/10	05:41	
CCV	B	4828.23486	4816.63378	4839.83593	0.33980	ug/L	10/14/10	05:41	
CCV	Ba	4811.01660	4810.21826	4811.81494	0.02346	ug/L	10/14/10	05:41	
CCV	Be	486.34118	485.50000	487.18240	0.24460	ug/L	10/14/10	05:41	
CCV	Ca	4988.04199	4977.92675	4998.15722	0.28678	ug/L	10/14/10	05:41	
CCV	Cd	489.78338	488.17733	491.38943	0.46373	ug/L	10/14/10	05:41	
CCV	Co	491.29217	488.59484	493.98950	0.77644	ug/L	10/14/10	05:41	
CCV	Cr	4861.20605	4847.73046	4874.68164	0.39202	ug/L	10/14/10	05:41	
CCV	Cu	4762.74267	4762.27441	4763.21093	0.01390	ug/L	10/14/10	05:41	
CCV	Fe	4838.35546	4825.15869	4851.55175	0.38572	ug/L	10/14/10	05:41	
CCV	2Fe	4.83836	4.82516	4.85155	0.38570	mg/L	10/14/10	05:41	
CCV	K	9127.70898	9114.53515	9140.88378	0.20411	ug/L	10/14/10	05:41	
CCV	Mg	5018.65917	4997.72363	5039.59423	0.58993	ug/L	10/14/10	05:41	
CCV	2Mg	5.01863	4.99770	5.03956	0.58983	mg/L	10/14/10	05:41	
CCV	Mn	4895.22070	4885.15283	4905.28857	0.29085	ug/L	10/14/10	05:41	
CCV	Mo	479.41641	479.97314	478.85968	0.16422	ug/L	10/14/10	05:41	
CCV	Na	6770.36962	6716.28125	6824.45800	1.12981	ug/L	10/14/10	05:41	
CCV	Ni	2469.74633	2462.59960	2476.89306	0.40923	ug/L	10/14/10	05:41	
CCV	Pb	500.06701	500.33227	499.80172	0.07502	ug/L	10/14/10	05:41	
CCV	Se	4847.17968	4849.08398	4845.27490	0.05556	ug/L	10/14/10	05:41	
CCV	Sb	469.93045	467.88116	471.97973	0.61671	ug/L	10/14/10	05:41	
CCV	Sn	4874.60839	4858.08740	4891.12939	0.47930	ug/L	10/14/10	05:41	
CCV	Sr	2371.54614	2374.76904	2368.32324	0.19218	ug/L	10/14/10	05:41	
CCV	Ti	481.61340	480.17788	483.04888	0.42152	ug/L	10/14/10	05:41	
CCV	Tl	4847.26367	4836.91015	4857.61669	0.30206	ug/L	10/14/10	05:41	
CCV	V	4884.87109	4877.65185	4892.08984	0.20899	ug/L	10/14/10	05:41	
CCV	Zn	2508.84936	2503.39843	2514.30029	0.30726	ug/L	10/14/10	05:41	
CCV	2203/1	501.82592	504.98049	498.67135	0.88900	ug/L	10/14/10	05:41	
CCV	2203/2	499.18884	498.01162	500.36608	0.33351	ug/L	10/14/10	05:41	
CCV	1960/1	4948.65625	4955.17187	4942.14111	0.18619	ug/L	10/14/10	05:41	
CCV	1960/2	4796.51660	4796.11962	4796.91406	0.01171	ug/L	10/14/10	05:41	
CCV	Y	1094.28466	1094.07470	1094.49475	0.02714		10/14/10	05:41	
CCB	Ag	-0.56285	-0.75913	-0.36657	49.31754	ug/L	10/14/10	05:46	
CCB	Al	-12.22229	-14.60193	-9.84264	27.53435	ug/L	10/14/10	05:46	
CCB	2Al	-0.01222	-0.01460	-0.00984	27.53421	mg/L	10/14/10	05:46	
CCB	As	-0.78519	-0.61946	-0.95092	29.85021	ug/L	10/14/10	05:46	
CCB	B	7.74780	8.05696	7.43863	5.64322	ug/L	10/14/10	05:46	
CCB	Ba	1.28902	0.25546	2.32258	113.39424	ug/L	10/14/10	05:46	
CCB	Be	0.13026	0.01925	0.24127	120.51300	ug/L	10/14/10	05:46	
CCB	Ca	8.75967	6.39687	11.12248	38.14651	ug/L	10/14/10	05:46	
CCB	Cd	-0.28997	-0.29594	-0.28400	2.91163	ug/L	10/14/10	05:46	
CCB	Co	0.38841	0.08240	0.69442	111.41680	ug/L	10/14/10	05:46	
CCB	Cr	2.12197	1.39617	2.84776	48.37130	ug/L	10/14/10	05:46	
CCB	Cu	1.53952	0.36467	2.71437	107.92234	ug/L	10/14/10	05:46	
CCB	Fe	-27.49624	-28.04376	-26.94872	2.81606	ug/L	10/14/10	05:46	
CCB	2Fe	-0.02749	-0.02804	-0.02694	2.81699	mg/L	10/14/10	05:46	
CCB	K	-39.73144	-43.60448	-35.85840	13.78582	ug/L	10/14/10	05:46	
CCB	Mg	7.83961	3.46833	12.21089	78.85495	ug/L	10/14/10	05:46	
CCB	2Mg	0.00784	0.00347	0.01221	78.80473	mg/L	10/14/10	05:46	
CCB	Mn	1.81585	0.78916	2.84253	79.95986	ug/L	10/14/10	05:46	
CCB	Mo	-1.96352	-1.81037	-2.11667	11.03042	ug/L	10/14/10	05:46	
CCB	Na	-205.74789	-181.60098	-229.89479	16.59743	ug/L	10/14/10	05:46	
CCB	Ni	0.61555	0.61646	0.61463	0.20972	ug/L	10/14/10	05:46	
CCB	Pb	2.92925	2.32749	3.53101	29.05233	ug/L	10/14/10	05:46	
CCB	Se	-1.69216	-0.41157	-2.97275	107.02404	ug/L	10/14/10	05:46	
CCB	Sb	-8.01898	-6.28907	-9.74889	30.50835	ug/L	10/14/10	05:46	
CCB	Sn	-4.98621	-4.68193	-5.29049	8.63015	ug/L	10/14/10	05:46	
CCB	Sr	0.83560	0.36077	1.31043	80.36251	ug/L	10/14/10	05:46	
CCB	Ti	0.27763	0.10323	0.45203	88.83483	ug/L	10/14/10	05:46	
CCB	Tl	2.51483	0.40038	4.62928	118.90598	ug/L	10/14/10	05:46	
CCB	V	-0.12527	-0.97045	0.71990	954.09692	ug/L	10/14/10	05:46	
CCB	Zn	1.61520	0.65044	2.57996	84.47089	ug/L	10/14/10	05:46	
CCB	2203/1	-3.58107	-2.11395	-5.04819	57.93836	ug/L	10/14/10	05:46	
CCB	2203/2	6.17954	4.54489	7.81419	37.40961	ug/L	10/14/10	05:46	
CCB	1960/1	-3.48075	-1.95168	-5.00982	62.12540	ug/L	10/14/10	05:46	
CCB	1960/2	-0.79921	0.35732	-1.95574	204.64955	ug/L	10/14/10	05:46	
CCB	Y	1094.89794	1097.55236	1092.24353	0.34285		10/14/10	05:46	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-35	Ag	-0.19243	-1.10392	0.71905	669.87133	ug/L	10/14/10	05:51	
61764-35	Al	-12.46373	-5.71545	-19.21201	76.57019	ug/L	10/14/10	05:51	
61764-35	2Al	-0.01246	-0.00571	-0.01921	76.56996	mg/L	10/14/10	05:51	
61764-35	As	-2.96656	2.32486	-8.25800	252.25161	ug/L	10/14/10	05:51	
61764-35	B	143.69931	145.12263	142.27600	1.40075	ug/L	10/14/10	05:51	
61764-35	Ba	65.03745	65.00192	65.07298	0.07725	ug/L	10/14/10	05:51	
61764-35	Be	0.02435	-0.01403	0.06273	222.90486	ug/L	10/14/10	05:51	
61764-35	Ca	75339.73437	75452.32812	75227.13281	0.21135	ug/L	10/14/10	05:51	
61764-35	Cd	0.16336	0.10688	0.21983	48.88933	ug/L	10/14/10	05:51	
61764-35	Co	0.22477	1.18932	-0.73977	606.86926	ug/L	10/14/10	05:51	
61764-35	Cr	448.45266	450.27545	446.62988	0.57482	ug/L	10/14/10	05:51	
61764-35	Cu	0.65666	1.48439	-0.17106	178.26202	ug/L	10/14/10	05:51	
61764-35	Fe	47.67845	43.72917	51.62772	11.71412	ug/L	10/14/10	05:51	
61764-35	2Fe	0.04766	0.04372	0.05161	11.71413	mg/L	10/14/10	05:51	
61764-35	K	4393.96826	4392.99951	4394.93701	0.03117	ug/L	10/14/10	05:51	
61764-35	Mg	10169.58593	10195.15332	10144.01855	0.35554	ug/L	10/14/10	05:51	
61764-35	2Mg	10.16671	10.19227	10.14115	0.35556	mg/L	10/14/10	05:51	
61764-35	Mn	21.92816	21.98609	21.87022	0.37362	ug/L	10/14/10	05:51	
61764-35	Mo	28.59204	27.29129	29.89278	6.43374	ug/L	10/14/10	05:51	
61764-35	Na	55291.79296	55340.15234	55243.43359	0.12369	ug/L	10/14/10	05:51	
61764-35	Ni	0.30534	-0.21496	0.82565	240.98559	ug/L	10/14/10	05:51	
61764-35	Pb	3.09868	3.00973	3.18762	4.05941	ug/L	10/14/10	05:51	
61764-35	Se	1.62976	-4.27897	7.53850	512.72540	ug/L	10/14/10	05:51	
61764-35	Sb	-5.70648	-8.66788	-2.74509	73.39093	ug/L	10/14/10	05:51	
61764-35	Sn	-7.16437	-9.28043	-5.04831	41.77003	ug/L	10/14/10	05:51	
61764-35	Sr	327.66973	327.65917	327.68026	0.00455	ug/L	10/14/10	05:51	
61764-35	Ti	-0.31736	0.09732	-0.73205	184.79278	ug/L	10/14/10	05:51	
61764-35	Tl	1.27759	-2.88745	5.44264	461.04476	ug/L	10/14/10	05:51	
61764-35	V	6.15164	5.42894	6.87434	16.61431	ug/L	10/14/10	05:51	
61764-35	Zn	11.44882	11.75563	11.14200	3.78991	ug/L	10/14/10	05:51	
61764-35	2203/1	2.23109	-6.75515	11.21734	569.60833	ug/L	10/14/10	05:51	
61764-35	2203/2	3.53182	7.88486	-0.82120	174.30416	ug/L	10/14/10	05:51	
61764-35	1960/1	0.53845	-10.44109	11.51799	2883.71997	ug/L	10/14/10	05:51	
61764-35	1960/2	2.17460	-1.20252	5.55173	219.62561	ug/L	10/14/10	05:51	
61764-35	Y	1084.86840	1082.60876	1087.12792	0.29455		10/14/10	05:51	
61764-36	Ag	-0.21316	-0.80485	0.37853	392.55667	ug/L	10/14/10	05:57	
61764-36	Al	-3.04162	-5.59751	-0.48573	118.83685	ug/L	10/14/10	05:57	
61764-36	2Al	-0.00304	-0.00559	-0.00048	118.82363	mg/L	10/14/10	05:57	
61764-36	As	3.18707	2.77998	3.59416	18.06390	ug/L	10/14/10	05:57	
61764-36	B	1628.07568	1623.70971	1632.44165	0.37924	ug/L	10/14/10	05:57	
61764-36	Ba	1.18594	1.03685	1.33503	17.77867	ug/L	10/14/10	05:57	
61764-36	Be	0.03611	-0.00478	0.07702	160.16467	ug/L	10/14/10	05:57	
61764-36	Ca	5461.62207	5452.10498	5471.13916	0.24643	ug/L	10/14/10	05:57	
61764-36	Cd	-0.19902	-0.48491	0.08687	203.15394	ug/L	10/14/10	05:57	
61764-36	Co	0.76117	1.27869	0.24364	96.15265	ug/L	10/14/10	05:57	
61764-36	Cr	260.04165	260.03411	260.04919	0.00409	ug/L	10/14/10	05:57	
61764-36	Cu	4.56812	5.19953	3.93671	19.54735	ug/L	10/14/10	05:57	
61764-36	Fe	95.37371	74.13492	116.61249	31.49314	ug/L	10/14/10	05:57	
61764-36	2Fe	0.09536	0.07412	0.11659	31.49245	mg/L	10/14/10	05:57	
61764-36	K	7570.04248	7545.21875	7594.86621	0.46374	ug/L	10/14/10	05:57	
61764-36	Mg	7768.21630	7755.25195	7781.18066	0.23601	ug/L	10/14/10	05:57	
61764-36	2Mg	7.76601	7.75306	7.77897	0.23595	mg/L	10/14/10	05:57	
61764-36	Mn	24.31067	24.31244	24.30890	0.01028	ug/L	10/14/10	05:57	
61764-36	Mo	932.67071	929.83337	935.50805	0.43022	ug/L	10/14/10	05:57	
61764-36	Na	789352.75000	791708.93750	786996.56250	0.42213	ug/L	10/14/10	05:57	
61764-36	Ni	5.49448	3.60739	7.38156	48.57130	ug/L	10/14/10	05:57	
61764-36	Pb	1.50816	1.32629	1.69003	17.05419	ug/L	10/14/10	05:57	
61764-36	Se	0.39974	-3.94892	4.74841	1538.46801	ug/L	10/14/10	05:57	
61764-36	Sb	-1.64452	-4.33918	1.05014	231.72903	ug/L	10/14/10	05:57	
61764-36	Sn	-1.26308	-3.58240	1.05623	259.68331	ug/L	10/14/10	05:57	
61764-36	Sr	26.72831	26.74700	26.70963	0.09886	ug/L	10/14/10	05:57	
61764-36	Ti	-0.29433	-0.34072	-0.24793	22.29043	ug/L	10/14/10	05:57	
61764-36	Tl	-0.64556	-2.62952	1.33839	434.61810	ug/L	10/14/10	05:57	
61764-36	V	34.38499	33.36883	35.40114	4.17934	ug/L	10/14/10	05:57	
61764-36	Zn	7.64728	7.83710	7.45746	3.51032	ug/L	10/14/10	05:57	
61764-36	2203/1	-0.06952	-3.93646	3.79740	7865.21728	ug/L	10/14/10	05:57	
61764-36	2203/2	2.29583	3.95373	0.63793	102.12527	ug/L	10/14/10	05:57	
61764-36	1960/1	2.90635	-7.29641	13.10912	496.46032	ug/L	10/14/10	05:57	
61764-36	1960/2	-0.85168	-2.27769	0.57433	236.78887	ug/L	10/14/10	05:57	
61764-36	Y	1036.52221	1032.92272	1040.12158	0.49109		10/14/10	05:57	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-37	Ag	-1.36198	-1.26137	-1.46260	10.44724	ug/L	10/14/10	06:02	
61764-37	Al	-9.13917	-9.42086	-8.85747	4.35900	ug/L	10/14/10	06:02	
61764-37	2Al	-0.00913	-0.00942	-0.00885	4.35907	mg/L	10/14/10	06:02	
61764-37	As	0.60858	0.13323	1.08394	110.46135	ug/L	10/14/10	06:02	
61764-37	B	1008.80273	1009.66400	1007.94152	0.12073	ug/L	10/14/10	06:02	
61764-37	Ba	25.08634	25.08447	25.08821	0.01053	ug/L	10/14/10	06:02	
61764-37	Be	0.00862	0.00827	0.00897	5.73022	ug/L	10/14/10	06:02	
61764-37	Ca	86292.46093	86288.32031	86296.60156	0.00678	ug/L	10/14/10	06:02	
61764-37	Cd	-0.35817	-0.56697	-0.14937	82.44126	ug/L	10/14/10	06:02	
61764-37	Co	4.15708	4.08935	4.22481	2.30414	ug/L	10/14/10	06:02	
61764-37	Cr	12.64004	12.67231	12.60776	0.36110	ug/L	10/14/10	06:02	
61764-37	Cu	1.14001	0.56856	1.71146	70.88992	ug/L	10/14/10	06:02	
61764-37	Fe	51.41390	44.45486	58.37294	19.14184	ug/L	10/14/10	06:02	
61764-37	2Fe	0.05140	0.04445	0.05836	19.14097	mg/L	10/14/10	06:02	
61764-37	K	4199.83300	4208.82031	4190.84521	0.30263	ug/L	10/14/10	06:02	
61764-37	Mg	30528.05078	30533.58984	30522.50976	0.02566	ug/L	10/14/10	06:02	
61764-37	2Mg	30.51962	30.52516	30.51408	0.02567	mg/L	10/14/10	06:02	
61764-37	Mn	441.81066	442.09863	441.52267	0.09218	ug/L	10/14/10	06:02	
61764-37	Mo	153.03991	153.26300	152.81683	0.20614	ug/L	10/14/10	06:02	
61764-37	Na	243216.18750	243270.25000	243162.10937	0.03143	ug/L	10/14/10	06:02	
61764-37	Ni	23.35468	23.59660	23.11277	1.46488	ug/L	10/14/10	06:02	
61764-37	Pb	2.02943	2.33030	1.72856	20.96603	ug/L	10/14/10	06:02	
61764-37	Se	-0.43324	1.01919	-1.88568	474.10891	ug/L	10/14/10	06:02	
61764-37	Sb	-7.50532	-9.08196	-5.92868	29.70831	ug/L	10/14/10	06:02	
61764-37	Sn	-3.97994	-4.05338	-3.90649	2.60986	ug/L	10/14/10	06:02	
61764-37	Sr	599.64843	599.48364	599.81323	0.03886	ug/L	10/14/10	06:02	
61764-37	Ti	-0.42777	-0.49584	-0.35971	22.50223	ug/L	10/14/10	06:02	
61764-37	Tl	0.92132	2.68070	-0.83806	270.06231	ug/L	10/14/10	06:02	
61764-37	V	7.86906	8.47959	7.25853	10.97233	ug/L	10/14/10	06:02	
61764-37	Zn	11.83006	11.45755	12.20256	4.45307	ug/L	10/14/10	06:02	
61764-37	2203/1	-6.50585	-8.01300	-4.99870	32.76179	ug/L	10/14/10	06:02	
61764-37	2203/2	6.29068	7.49420	5.08715	27.05650	ug/L	10/14/10	06:02	
61764-37	1960/1	-2.89135	-2.45238	-3.33032	21.47063	ug/L	10/14/10	06:02	
61764-37	1960/2	0.79396	2.75238	-1.16445	348.83471	ug/L	10/14/10	06:02	
61764-37	Y	1059.21484	1058.24035	1060.18920	0.13010		10/14/10	06:02	
61764-38	Ag	-0.29763	-0.40149	-0.19377	49.35011	ug/L	10/14/10	06:07	
61764-38	Al	75.56561	73.93441	77.19680	3.05279	ug/L	10/14/10	06:07	
61764-38	2Al	0.07556	0.07393	0.07719	3.05303	mg/L	10/14/10	06:07	
61764-38	As	10.69650	9.37328	12.01972	17.49460	ug/L	10/14/10	06:07	
61764-38	B	361.80358	361.49884	362.10833	0.11911	ug/L	10/14/10	06:07	
61764-38	Ba	9.86342	9.80990	9.91694	0.76732	ug/L	10/14/10	06:07	
61764-38	Be	-0.05051	-0.04501	-0.05600	15.38868	ug/L	10/14/10	06:07	
61764-38	Ca	1934.57824	1933.33569	1935.82080	0.09083	ug/L	10/14/10	06:07	
61764-38	Cd	-0.30790	-0.22912	-0.38668	36.18327	ug/L	10/14/10	06:07	
61764-38	Co	0.96471	1.24581	0.68361	41.20709	ug/L	10/14/10	06:07	
61764-38	Cr	7.27131	7.24269	7.29992	0.55657	ug/L	10/14/10	06:07	
61764-38	Cu	0.00463	-0.18597	0.19523	5821.20898	ug/L	10/14/10	06:07	
61764-38	Fe	73.66831	83.31217	64.02444	18.51337	ug/L	10/14/10	06:07	
61764-38	2Fe	0.07371	0.08336	0.06407	18.49811	mg/L	10/14/10	06:07	
61764-38	K	299359.81250	298883.46875	299836.18750	0.22503	ug/L	10/14/10	06:07	
61764-38	Mg	1852.53784	1852.51806	1852.55761	0.00150	ug/L	10/14/10	06:07	
61764-38	2Mg	1.85200	1.85198	1.85202	0.00163	mg/L	10/14/10	06:07	
61764-38	Mn	0.86299	0.87813	0.84784	2.48142	ug/L	10/14/10	06:07	
61764-38	Mo	81.87879	79.80572	83.95187	3.58062	ug/L	10/14/10	06:07	
61764-38	Na	167347.43750	166489.50000	168205.39062	0.72502	ug/L	10/14/10	06:07	
61764-38	Ni	8.14837	8.61082	7.68592	8.02614	ug/L	10/14/10	06:07	
61764-38	Pb	1.28119	3.17934	-0.61694	209.52136	ug/L	10/14/10	06:07	
61764-38	Se	-5.54689	-5.25862	-5.83516	7.34967	ug/L	10/14/10	06:07	
61764-38	Sb	-5.46753	-6.99418	-3.94089	39.48768	ug/L	10/14/10	06:07	
61764-38	Sn	-5.37063	-4.72050	-6.02076	17.11941	ug/L	10/14/10	06:07	
61764-38	Sr	40.21979	40.18416	40.25541	0.12525	ug/L	10/14/10	06:07	
61764-38	Ti	0.61408	0.57714	0.65102	8.50692	ug/L	10/14/10	06:07	
61764-38	Tl	-0.07752	-2.49243	2.33738	4405.14648	ug/L	10/14/10	06:07	
61764-38	V	593.74664	593.12805	594.36523	0.14733	ug/L	10/14/10	06:07	
61764-38	Zn	9.56899	9.33557	9.80240	3.44965	ug/L	10/14/10	06:07	
61764-38	2203/1	-2.87229	-1.39605	-4.34853	72.68471	ug/L	10/14/10	06:07	
61764-38	2203/2	3.35483	5.46361	1.24604	88.89479	ug/L	10/14/10	06:07	
61764-38	1960/1	-3.59491	-1.35951	-5.83031	87.93907	ug/L	10/14/10	06:07	
61764-38	1960/2	-6.52141	-7.20525	-5.83758	14.82937	ug/L	10/14/10	06:07	
61764-38	Y	1054.11181	1058.43359	1049.78991	0.57982		10/14/10	06:07	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61764-39	Ag	0.00550	1.70391	-1.69291	43647.07421	ug/L	10/14/10	06:13	
61764-39	Al	-0.49822	-1.85640	0.85995	385.52294	ug/L	10/14/10	06:13	
61764-39	2Al	-0.00049	-0.00185	0.00085	385.47695	mg/L	10/14/10	06:13	
61764-39	As	4.18700	3.69032	4.68368	16.77590	ug/L	10/14/10	06:13	
61764-39	B	490.30606	490.57397	490.03814	0.07727	ug/L	10/14/10	06:13	
61764-39	Ba	55.76716	55.99214	55.54218	0.57052	ug/L	10/14/10	06:13	
61764-39	Be	0.05275	0.12748	-0.02196	200.30755	ug/L	10/14/10	06:13	
61764-39	Ca	87090.81250	87077.33593	87104.29687	0.02189	ug/L	10/14/10	06:13	
61764-39	Cd	-0.21394	0.23540	-0.66329	297.03015	ug/L	10/14/10	06:13	
61764-39	Co	8.53135	7.85109	9.21161	11.27640	ug/L	10/14/10	06:13	
61764-39	Cr	4.65421	4.23369	5.07472	12.77766	ug/L	10/14/10	06:13	
61764-39	Cu	0.25140	-0.37899	0.88179	354.61572	ug/L	10/14/10	06:13	
61764-39	Fe	813.90570	852.16033	775.65106	6.64698	ug/L	10/14/10	06:13	
61764-39	2Fe	0.81380	0.85205	0.77555	6.64696	mg/L	10/14/10	06:13	
61764-39	K	17571.40625	17613.99804	17528.81640	0.34278	ug/L	10/14/10	06:13	
61764-39	Mg	25524.98828	25515.14843	25534.83007	0.05452	ug/L	10/14/10	06:13	
61764-39	2Mg	25.51955	25.50971	25.52940	0.05456	mg/L	10/14/10	06:13	
61764-39	Mn	4184.56347	4181.54052	4187.58691	0.10217	ug/L	10/14/10	06:13	
61764-39	Mo	213.45135	213.76107	213.14164	0.20520	ug/L	10/14/10	06:13	
61764-39	Na	97845.60937	98234.82812	97456.39062	0.56255	ug/L	10/14/10	06:13	
61764-39	Ni	10.02269	11.26299	8.78240	17.50069	ug/L	10/14/10	06:13	
61764-39	Pb	0.23736	0.02605	0.44867	125.89755	ug/L	10/14/10	06:13	
61764-39	Se	2.11310	10.24260	-6.01639	544.07415	ug/L	10/14/10	06:13	
61764-39	Sb	-3.30101	4.69056	-11.29260	342.37362	ug/L	10/14/10	06:13	
61764-39	Sn	-1.73117	1.36480	-4.82716	252.91355	ug/L	10/14/10	06:13	
61764-39	Sr	547.74047	548.39575	547.08526	0.16917	ug/L	10/14/10	06:13	
61764-39	Ti	0.01743	-0.20096	0.23583	1771.53662	ug/L	10/14/10	06:13	
61764-39	Tl	-0.27654	4.43238	-4.98547	2408.08569	ug/L	10/14/10	06:13	
61764-39	V	7.59654	9.70549	5.48758	39.26146	ug/L	10/14/10	06:13	
61764-39	Zn	35.78981	35.49705	36.08256	1.15678	ug/L	10/14/10	06:13	
61764-39	2203/1	-3.78661	5.64717	-13.22040	352.33062	ug/L	10/14/10	06:13	
61764-39	2203/2	2.24633	-2.78029	7.27296	316.45874	ug/L	10/14/10	06:13	
61764-39	1960/1	-1.42302	11.96951	-14.81556	1330.96069	ug/L	10/14/10	06:13	
61764-39	1960/2	3.87851	9.38043	-1.62340	200.61532	ug/L	10/14/10	06:13	
61764-39	Y	1087.69921	1087.11950	1088.27880	0.07536		10/14/10	06:13	
61764-40	Ag	-0.21894	0.27154	-0.70942	316.81750	ug/L	10/14/10	06:18	
61764-40	Al	-8.32698	-9.76710	-6.88687	24.45815	ug/L	10/14/10	06:18	
61764-40	2Al	-0.00832	-0.00976	-0.00688	24.45803	mg/L	10/14/10	06:18	
61764-40	As	1.51813	-1.27315	4.30943	260.02133	ug/L	10/14/10	06:18	
61764-40	B	67.43437	67.02472	67.84402	0.85910	ug/L	10/14/10	06:18	
61764-40	Ba	65.96434	66.05116	65.87751	0.18614	ug/L	10/14/10	06:18	
61764-40	Be	0.03720	0.07464	-0.00024	142.33975	ug/L	10/14/10	06:18	
61764-40	Ca	31109.60156	31111.42968	31107.77343	0.00831	ug/L	10/14/10	06:18	
61764-40	Cd	-0.50998	-0.38926	-0.63071	33.47787	ug/L	10/14/10	06:18	
61764-40	Co	0.86669	0.79669	0.93670	11.42311	ug/L	10/14/10	06:18	
61764-40	Cr	3.77781	3.65617	3.89946	4.55365	ug/L	10/14/10	06:18	
61764-40	Cu	0.57236	0.39441	0.75032	43.96990	ug/L	10/14/10	06:18	
61764-40	Fe	36.47754	34.76810	38.18698	6.62739	ug/L	10/14/10	06:18	
61764-40	2Fe	0.03647	0.03476	0.03818	6.62688	mg/L	10/14/10	06:18	
61764-40	K	49981.73828	50003.68359	49959.79296	0.06209	ug/L	10/14/10	06:18	
61764-40	Mg	49593.49609	49575.04687	49611.94531	0.05260	ug/L	10/14/10	06:18	
61764-40	2Mg	49.57803	49.56104	49.59501	0.04844	mg/L	10/14/10	06:18	
61764-40	Mn	0.22752	0.20930	0.24574	11.32286	ug/L	10/14/10	06:18	
61764-40	Mo	79.29121	79.10795	79.47447	0.32686	ug/L	10/14/10	06:18	
61764-40	Na	69902.99218	69713.89062	70092.09375	0.38257	ug/L	10/14/10	06:18	
61764-40	Ni	2.89376	2.73321	3.05432	7.84634	ug/L	10/14/10	06:18	
61764-40	Pb	2.69426	3.83339	1.55514	59.79231	ug/L	10/14/10	06:18	
61764-40	Se	-0.06042	1.36888	-1.48973	3345.13378	ug/L	10/14/10	06:18	
61764-40	Sb	-4.51339	-5.43372	-3.59306	28.83733	ug/L	10/14/10	06:18	
61764-40	Sn	-5.93424	-7.98409	-3.88439	48.85084	ug/L	10/14/10	06:18	
61764-40	Sr	395.14556	395.07431	395.21685	0.02550	ug/L	10/14/10	06:18	
61764-40	Ti	-0.25483	-0.45035	-0.05931	108.50215	ug/L	10/14/10	06:18	
61764-40	Tl	2.14540	5.48447	-1.19366	220.10566	ug/L	10/14/10	06:18	
61764-40	V	11.48288	12.31966	10.64609	10.30572	ug/L	10/14/10	06:18	
61764-40	Zn	8.79436	8.60477	8.98394	3.04872	ug/L	10/14/10	06:18	
61764-40	2203/1	-2.57029	-0.05227	-5.08832	138.54534	ug/L	10/14/10	06:18	
61764-40	2203/2	5.32260	5.77330	4.87189	11.97525	ug/L	10/14/10	06:18	
61764-40	1960/1	-5.69663	-0.35427	-11.03900	132.62629	ug/L	10/14/10	06:18	
61764-40	1960/2	2.75345	2.22917	3.27773	26.92797	ug/L	10/14/10	06:18	
61764-40	Y	1090.93737	1091.31115	1090.56359	0.04845		10/14/10	06:18	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	474.49285	471.55688	477.42880	0.87505	ug/L	10/14/10	06:23	
CCV	Al	4735.69238	4756.64501	4714.73925	0.62571	ug/L	10/14/10	06:23	
CCV	2Al	4.73542	4.75619	4.71465	0.62026	mg/L	10/14/10	06:23	
CCV	As	484.34222	490.62625	478.05816	1.83485	ug/L	10/14/10	06:23	
CCV	B	4805.86621	4792.39453	4819.33837	0.39643	ug/L	10/14/10	06:23	
CCV	Ba	4751.95703	4764.50878	4739.40478	0.37355	ug/L	10/14/10	06:23	
CCV	Be	487.70715	485.83441	489.57989	0.54304	ug/L	10/14/10	06:23	
CCV	Ca	5018.33105	4983.38232	5053.27978	0.98488	ug/L	10/14/10	06:23	
CCV	Cd	495.95248	490.57168	501.33328	1.53434	ug/L	10/14/10	06:23	
CCV	Co	489.80209	488.84829	490.75588	0.27539	ug/L	10/14/10	06:23	
CCV	Cr	4863.68652	4844.24755	4883.12597	0.56523	ug/L	10/14/10	06:23	
CCV	Cu	4700.10351	4715.25048	4684.95654	0.45575	ug/L	10/14/10	06:23	
CCV	Fe	4932.22558	4847.91552	5016.53564	2.41741	ug/L	10/14/10	06:23	
CCV	2Fe	4.93221	4.84791	5.01652	2.41715	mg/L	10/14/10	06:23	
CCV	K	9140.68457	9061.09765	9220.27148	1.23133	ug/L	10/14/10	06:23	
CCV	Mg	5063.19335	5031.10546	5095.28125	0.89625	ug/L	10/14/10	06:23	
CCV	2Mg	5.06313	5.03106	5.09520	0.89578	mg/L	10/14/10	06:23	
CCV	Mn	4892.01757	4876.38916	4907.64648	0.45180	ug/L	10/14/10	06:23	
CCV	Mo	487.87988	482.90322	492.85656	1.44258	ug/L	10/14/10	06:23	
CCV	Na	7651.85839	6910.72412	8392.99316	13.69761	ug/L	10/14/10	06:23	
CCV	Ni	2476.44580	2455.37719	2497.51440	1.20315	ug/L	10/14/10	06:23	
CCV	Pb	500.27453	499.47607	501.07299	0.22571	ug/L	10/14/10	06:23	
CCV	Se	4855.88183	4837.06640	4874.69775	0.54798	ug/L	10/14/10	06:23	
CCV	Sb	491.01654	469.88009	512.15295	6.08766	ug/L	10/14/10	06:23	
CCV	Sn	4911.06835	4859.24267	4962.89453	1.49240	ug/L	10/14/10	06:23	
CCV	Sr	2359.36767	2365.13281	2353.60229	0.34557	ug/L	10/14/10	06:23	
CCV	Ti	477.40057	476.89123	477.90988	0.15087	ug/L	10/14/10	06:23	
CCV	Tl	4857.44482	4826.56152	4888.32812	0.89914	ug/L	10/14/10	06:23	
CCV	V	4874.37597	4856.23046	4892.52197	0.52646	ug/L	10/14/10	06:23	
CCV	Zn	2536.39306	2511.51489	2561.27099	1.38712	ug/L	10/14/10	06:23	
CCV	2203/1	528.03027	501.04272	555.01782	7.22802	ug/L	10/14/10	06:23	
CCV	2203/2	486.41748	498.69393	474.14102	3.56926	ug/L	10/14/10	06:23	
CCV	1960/1	4993.04003	4904.39062	5081.68945	2.51087	ug/L	10/14/10	06:23	
CCV	1960/2	4787.40576	4803.45458	4771.35693	0.47408	ug/L	10/14/10	06:23	
CCV	Y	1104.50341	1097.58593	1111.42077	0.88571		10/14/10	06:23	
CCB	Ag	-0.35921	-0.57223	-0.14619	83.86661	ug/L	10/14/10	06:29	
CCB	Al	-18.03438	-19.03474	-17.03401	7.84463	ug/L	10/14/10	06:29	
CCB	2Al	-0.01803	-0.01903	-0.01703	7.84454	mg/L	10/14/10	06:29	
CCB	As	-2.41936	-1.66028	-3.17845	44.37137	ug/L	10/14/10	06:29	
CCB	B	5.89351	6.22597	5.56105	7.97772	ug/L	10/14/10	06:29	
CCB	Ba	1.69482	0.24496	3.14468	120.98085	ug/L	10/14/10	06:29	
CCB	Be	0.19538	0.03673	0.35404	114.83538	ug/L	10/14/10	06:29	
CCB	Ca	9.82986	6.36861	13.29112	49.79672	ug/L	10/14/10	06:29	
CCB	Cd	-0.30526	-0.45233	-0.15819	68.13317	ug/L	10/14/10	06:29	
CCB	Co	-0.21697	-0.61747	0.18351	261.03216	ug/L	10/14/10	06:29	
CCB	Cr	2.06058	0.66366	3.45749	95.87281	ug/L	10/14/10	06:29	
CCB	Cu	1.21515	-0.07054	2.50085	149.63148	ug/L	10/14/10	06:29	
CCB	Fe	-12.42337	-12.40826	-12.43848	0.17199	ug/L	10/14/10	06:29	
CCB	2Fe	-0.01242	-0.01240	-0.01243	0.16935	mg/L	10/14/10	06:29	
CCB	K	-28.60185	-27.47010	-29.73360	5.59592	ug/L	10/14/10	06:29	
CCB	Mg	10.60682	12.00478	9.20885	18.63912	ug/L	10/14/10	06:29	
CCB	2Mg	0.01060	0.01200	0.00921	18.62346	mg/L	10/14/10	06:29	
CCB	Mn	2.10025	0.44819	3.75230	111.24165	ug/L	10/14/10	06:29	
CCB	Mo	-2.43109	-0.70733	-4.15486	100.27433	ug/L	10/14/10	06:29	
CCB	Na	-113.29382	-124.97040	-101.61723	14.57554	ug/L	10/14/10	06:29	
CCB	Ni	0.71557	-0.08955	1.52070	159.12036	ug/L	10/14/10	06:29	
CCB	Pb	2.79174	2.81167	2.77181	1.00968	ug/L	10/14/10	06:29	
CCB	Se	0.77065	2.35850	-0.81719	291.38201	ug/L	10/14/10	06:29	
CCB	Sb	-4.51230	-4.82802	-4.19658	9.89509	ug/L	10/14/10	06:29	
CCB	Sn	-4.07896	-4.28144	-3.87649	7.02005	ug/L	10/14/10	06:29	
CCB	Sr	0.95306	0.20121	1.70491	111.56346	ug/L	10/14/10	06:29	
CCB	Ti	0.01132	0.05336	-0.03071	525.02874	ug/L	10/14/10	06:29	
CCB	Tl	3.20950	2.20564	4.21335	44.23307	ug/L	10/14/10	06:29	
CCB	V	0.71408	-0.39804	1.82621	220.25138	ug/L	10/14/10	06:29	
CCB	Zn	1.16268	0.44176	1.88360	87.68834	ug/L	10/14/10	06:29	
CCB	2203/1	-2.39897	-5.20209	0.40414	165.24630	ug/L	10/14/10	06:29	
CCB	2203/2	5.38320	6.81255	3.95386	37.55001	ug/L	10/14/10	06:29	
CCB	1960/1	-0.65515	-2.49705	1.18673	397.58944	ug/L	10/14/10	06:29	
CCB	1960/2	1.48249	4.78264	-1.81765	314.81488	ug/L	10/14/10	06:29	
CCB	Y	1129.67822	1129.17834	1130.17797	0.06257		10/14/10	06:29	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 182801	Ag	-0.26655	-0.38624	-0.14686	63.50123	ug/L	10/14/10	06:34	
PBW 182801	Al	-21.41437	-19.15882	-23.66991	14.89571	ug/L	10/14/10	06:34	
PBW 182801	2Al	-0.02141	-0.01915	-0.02367	14.89572	mg/L	10/14/10	06:34	
PBW 182801	As	-1.40156	-3.49776	0.69463	211.51148	ug/L	10/14/10	06:34	
PBW 182801	B	0.84680	0.28861	1.40499	93.22125	ug/L	10/14/10	06:34	
PBW 182801	Ba	-0.18988	-0.06102	-0.31874	95.97058	ug/L	10/14/10	06:34	
PBW 182801	Be	0.02031	0.03933	0.00128	132.44726	ug/L	10/14/10	06:34	
PBW 182801	Ca	16.24381	16.57797	15.90964	2.90929	ug/L	10/14/10	06:34	
PBW 182801	Cd	-0.25704	-0.30610	-0.20799	26.98733	ug/L	10/14/10	06:34	
PBW 182801	Co	-0.23919	-0.53342	0.05502	173.95652	ug/L	10/14/10	06:34	
PBW 182801	Cr	0.75893	0.42880	1.08907	61.51798	ug/L	10/14/10	06:34	
PBW 182801	Cu	-0.67558	-0.89588	-0.45527	46.11796	ug/L	10/14/10	06:34	
PBW 182801	Fe	11.04153	20.28408	1.79898	118.37967	ug/L	10/14/10	06:34	
PBW 182801	2Fe	0.01103	0.02028	0.00179	118.38068	mg/L	10/14/10	06:34	
PBW 182801	K	-22.80491	-17.06931	-28.54051	35.56850	ug/L	10/14/10	06:34	
PBW 182801	Mg	4.97148	3.57514	6.36783	39.72098	ug/L	10/14/10	06:34	
PBW 182801	2Mg	0.00496	0.00357	0.00636	39.78159	mg/L	10/14/10	06:34	
PBW 182801	Mn	0.13621	0.18814	0.08428	53.91127	ug/L	10/14/10	06:34	
PBW 182801	Mo	-1.68652	-1.61453	-1.75851	6.03672	ug/L	10/14/10	06:34	
PBW 182801	Na	-2.85411	61.00892	-66.71714	3164.41503	ug/L	10/14/10	06:34	
PBW 182801	Ni	0.57018	0.97565	0.16472	100.56543	ug/L	10/14/10	06:34	
PBW 182801	Pb	2.35792	2.35990	2.35594	0.11875	ug/L	10/14/10	06:34	
PBW 182801	Se	-2.62484	-3.62595	-1.62374	53.93736	ug/L	10/14/10	06:34	
PBW 182801	Sb	-4.28993	-3.99935	-4.58052	9.57945	ug/L	10/14/10	06:34	
PBW 182801	Sn	-2.58114	-2.99044	-2.17184	22.42574	ug/L	10/14/10	06:34	
PBW 182801	Sr	-0.00022	-0.00338	0.00294	2014.78723	ug/L	10/14/10	06:34	
PBW 182801	Ti	-0.40756	-0.38598	-0.42914	7.48802	ug/L	10/14/10	06:34	
PBW 182801	Tl	0.51887	1.38705	-0.34931	236.62954	ug/L	10/14/10	06:34	
PBW 182801	V	-0.89451	-0.65344	-1.13558	38.11269	ug/L	10/14/10	06:34	
PBW 182801	Zn	2.88634	2.81670	2.95598	3.41229	ug/L	10/14/10	06:34	
PBW 182801	2203/1	0.63053	1.46959	-0.20852	188.19195	ug/L	10/14/10	06:34	
PBW 182801	2203/2	3.22032	2.80439	3.63626	18.26579	ug/L	10/14/10	06:34	
PBW 182801	1960/1	-6.81973	-5.90546	-7.73400	18.95923	ug/L	10/14/10	06:34	
PBW 182801	1960/2	-0.53055	-2.48790	1.42680	521.74389	ug/L	10/14/10	06:34	
PBW 182801	Y	1134.58374	1137.91430	1131.25317	0.41514		10/14/10	06:34	
LCSW-1	Ag	43.70277	44.62994	42.77560	3.00029	ug/L	10/14/10	06:39	
LCSW-1	Al	1888.23828	1889.50805	1886.96862	0.09509	ug/L	10/14/10	06:39	
LCSW-1	2Al	1.88829	1.88955	1.88702	0.09508	mg/L	10/14/10	06:39	
LCSW-1	As	1948.25317	1947.58471	1948.92175	0.04852	ug/L	10/14/10	06:39	
LCSW-1	B	948.01977	947.94464	948.09490	0.01120	ug/L	10/14/10	06:39	
LCSW-1	Ba	1937.75610	1937.92626	1937.58605	0.01241	ug/L	10/14/10	06:39	
LCSW-1	Be	49.48052	49.48309	49.47795	0.00734	ug/L	10/14/10	06:39	
LCSW-1	Ca	5022.62500	5020.36718	5024.88281	0.06357	ug/L	10/14/10	06:39	
LCSW-1	Cd	50.85562	51.22396	50.48730	1.02426	ug/L	10/14/10	06:39	
LCSW-1	Co	506.82791	506.03305	507.62277	0.22179	ug/L	10/14/10	06:39	
LCSW-1	Cr	200.48941	199.83064	201.14819	0.46468	ug/L	10/14/10	06:39	
LCSW-1	Cu	235.31835	234.57574	236.06095	0.44629	ug/L	10/14/10	06:39	
LCSW-1	Fe	995.01629	1009.37261	980.65997	2.04045	ug/L	10/14/10	06:39	
LCSW-1	2Fe	0.99510	1.00945	0.98074	2.03998	mg/L	10/14/10	06:39	
LCSW-1	K	4348.96875	4353.68066	4344.25732	0.15321	ug/L	10/14/10	06:39	
LCSW-1	Mg	5096.74511	5095.07568	5098.41503	0.04632	ug/L	10/14/10	06:39	
LCSW-1	2Mg	5.09536	5.09368	5.09703	0.04640	mg/L	10/14/10	06:39	
LCSW-1	Mn	500.05615	499.89102	500.22125	0.04669	ug/L	10/14/10	06:39	
LCSW-1	Mo	487.37118	485.95861	488.78375	0.40988	ug/L	10/14/10	06:39	
LCSW-1	Na	4416.34716	4503.67041	4329.02392	2.79628	ug/L	10/14/10	06:39	
LCSW-1	Ni	506.22689	506.20483	506.24896	0.00616	ug/L	10/14/10	06:39	
LCSW-1	Pb	509.42742	508.55355	510.30130	0.24259	ug/L	10/14/10	06:39	
LCSW-1	Se	1970.32299	1964.59167	1976.05432	0.41136	ug/L	10/14/10	06:39	
LCSW-1	Sb	457.17840	459.35552	455.00131	0.67345	ug/L	10/14/10	06:39	
LCSW-1	Sn	988.06152	988.89337	987.22967	0.11906	ug/L	10/14/10	06:39	
LCSW-1	Sr	479.91882	478.97195	480.86569	0.27902	ug/L	10/14/10	06:39	
LCSW-1	Ti	954.57794	953.24822	955.90765	0.19699	ug/L	10/14/10	06:39	
LCSW-1	Tl	2035.42773	2033.65734	2037.19799	0.12300	ug/L	10/14/10	06:39	
LCSW-1	V	491.15679	491.17385	491.13977	0.00490	ug/L	10/14/10	06:39	
LCSW-1	Zn	531.47119	531.21862	531.72381	0.06721	ug/L	10/14/10	06:39	
LCSW-1	2203/1	512.10968	513.11785	511.10150	0.27841	ug/L	10/14/10	06:39	
LCSW-1	2203/2	508.08831	506.27484	509.90179	0.50476	ug/L	10/14/10	06:39	
LCSW-1	1960/1	1996.87426	1995.72875	1998.01977	0.08112	ug/L	10/14/10	06:39	
LCSW-1	1960/2	1957.06665	1949.04589	1965.08740	0.57959	ug/L	10/14/10	06:39	
LCSW-1	Y	1119.63598	1121.56799	1117.70397	0.24403		10/14/10	06:39	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-2	Ag	43.89324	43.33208	44.45441	1.80804	ug/L	10/14/10	06:45	
LCSW-2	Al	1902.09106	1900.28173	1903.90051	0.13452	ug/L	10/14/10	06:45	
LCSW-2	2Al	1.90205	1.90015	1.90395	0.14123	mg/L	10/14/10	06:45	
LCSW-2	As	1959.07714	1954.66381	1963.49047	0.31858	ug/L	10/14/10	06:45	
LCSW-2	B	947.23095	947.34942	947.11248	0.01768	ug/L	10/14/10	06:45	
LCSW-2	Ba	1949.70629	1949.03222	1950.38037	0.04889	ug/L	10/14/10	06:45	
LCSW-2	Be	49.80670	49.71255	49.90084	0.26731	ug/L	10/14/10	06:45	
LCSW-2	Ca	5004.52294	4997.84228	5011.20361	0.18878	ug/L	10/14/10	06:45	
LCSW-2	Cd	50.94276	51.04735	50.83817	0.29034	ug/L	10/14/10	06:45	
LCSW-2	Co	509.36218	508.93899	509.78536	0.11749	ug/L	10/14/10	06:45	
LCSW-2	Cr	201.95928	201.88964	202.02894	0.04877	ug/L	10/14/10	06:45	
LCSW-2	Cu	237.33682	237.40049	237.27316	0.03793	ug/L	10/14/10	06:45	
LCSW-2	Fe	1004.34197	992.44104	1016.24291	1.67577	ug/L	10/14/10	06:45	
LCSW-2	2Fe	1.00442	0.99252	1.01632	1.67545	mg/L	10/14/10	06:45	
LCSW-2	K	4347.33886	4332.88378	4361.79394	0.47023	ug/L	10/14/10	06:45	
LCSW-2	Mg	5090.74267	5087.80371	5093.68164	0.08164	ug/L	10/14/10	06:45	
LCSW-2	2Mg	5.08936	5.08642	5.09229	0.08160	mg/L	10/14/10	06:45	
LCSW-2	Mn	504.24847	503.80493	504.69198	0.12439	ug/L	10/14/10	06:45	
LCSW-2	Mo	487.34429	486.68786	488.00076	0.19049	ug/L	10/14/10	06:45	
LCSW-2	Na	4340.46972	4241.92187	4439.01708	3.21088	ug/L	10/14/10	06:45	
LCSW-2	Ni	511.39276	511.23623	511.54925	0.04328	ug/L	10/14/10	06:45	
LCSW-2	Pb	513.74053	515.41589	512.06518	0.46118	ug/L	10/14/10	06:45	
LCSW-2	Se	1987.02832	1991.01428	1983.04248	0.28368	ug/L	10/14/10	06:45	
LCSW-2	Sb	466.26983	464.71954	467.82015	0.47021	ug/L	10/14/10	06:45	
LCSW-2	Sn	988.70031	988.01605	989.38452	0.09787	ug/L	10/14/10	06:45	
LCSW-2	Sr	477.57769	477.17022	477.98519	0.12066	ug/L	10/14/10	06:45	
LCSW-2	Ti	953.78308	952.64923	954.91687	0.16811	ug/L	10/14/10	06:45	
LCSW-2	Tl	2035.20410	2034.35595	2036.05236	0.05893	ug/L	10/14/10	06:45	
LCSW-2	V	496.39733	495.16534	497.62936	0.35099	ug/L	10/14/10	06:45	
LCSW-2	Zn	533.94348	533.68609	534.20080	0.06816	ug/L	10/14/10	06:45	
LCSW-2	2203/1	518.62768	517.21643	520.03894	0.38482	ug/L	10/14/10	06:45	
LCSW-2	2203/2	511.30062	514.51696	508.08428	0.88961	ug/L	10/14/10	06:45	
LCSW-2	1960/1	2020.48986	2019.47802	2021.50170	0.07082	ug/L	10/14/10	06:45	
LCSW-2	1960/2	1970.32214	1976.80310	1963.84118	0.46517	ug/L	10/14/10	06:45	
LCSW-2	Y	1119.08581	1118.16601	1120.00561	0.11623		10/14/10	06:45	
62091-1	Ag	-0.50220	-0.95150	-0.05289	126.52542	ug/L	10/14/10	06:50	
62091-1	Al	22353.04687	22329.20117	22376.89453	0.15087	ug/L	10/14/10	06:50	
62091-1	2Al	22.35157	22.32826	22.37489	0.14753	mg/L	10/14/10	06:50	
62091-1	As	29.48654	29.33119	29.64188	0.74505	ug/L	10/14/10	06:50	
62091-1	B	20.05384	20.63109	19.47659	4.07081	ug/L	10/14/10	06:50	
62091-1	Ba	46.53797	46.49078	46.58517	0.14341	ug/L	10/14/10	06:50	
62091-1	Be	0.49346	0.48278	0.50413	3.05888	ug/L	10/14/10	06:50	
62091-1	Ca	863.50836	860.46746	866.54925	0.49802	ug/L	10/14/10	06:50	
62091-1	Cd	-0.16382	-0.18193	-0.14572	15.62777	ug/L	10/14/10	06:50	
62091-1	Co	19.92023	19.85515	19.98531	0.46201	ug/L	10/14/10	06:50	
62091-1	Cr	42.04944	42.24280	41.85609	0.65029	ug/L	10/14/10	06:50	
62091-1	Cu	18.01101	18.18202	17.84000	1.34276	ug/L	10/14/10	06:50	
62091-1	Fe	57417.43359	57284.91406	57549.95312	0.32640	ug/L	10/14/10	06:50	
62091-1	2Fe	57.40522	57.27436	57.53608	0.32238	mg/L	10/14/10	06:50	
62091-1	K	2280.86376	2272.34960	2289.37792	0.52790	ug/L	10/14/10	06:50	
62091-1	Mg	1442.58862	1440.29589	1444.88134	0.22476	ug/L	10/14/10	06:50	
62091-1	2Mg	1.43228	1.43001	1.43455	0.22408	mg/L	10/14/10	06:50	
62091-1	Mn	436.96868	435.84341	438.09396	0.36418	ug/L	10/14/10	06:50	
62091-1	Mo	2.80915	2.51706	3.10124	14.70455	ug/L	10/14/10	06:50	
62091-1	Na	4050.71777	4132.63134	3968.80419	2.85982	ug/L	10/14/10	06:50	
62091-1	Ni	84.29389	83.20609	85.38171	1.82503	ug/L	10/14/10	06:50	
62091-1	Pb	24.55805	24.48233	24.63377	0.43606	ug/L	10/14/10	06:50	
62091-1	Se	-1.18556	-0.73667	-1.63444	53.54602	ug/L	10/14/10	06:50	
62091-1	Sb	-1.01379	-3.12922	1.10163	295.09692	ug/L	10/14/10	06:50	
62091-1	Sn	-2.71608	-6.22181	0.78964	182.53697	ug/L	10/14/10	06:50	
62091-1	Sr	8.77519	8.77495	8.77543	0.00387	ug/L	10/14/10	06:50	
62091-1	Ti	350.11773	349.39443	350.84106	0.29216	ug/L	10/14/10	06:50	
62091-1	Tl	3.35022	4.87910	1.82134	64.53770	ug/L	10/14/10	06:50	
62091-1	V	95.83267	95.60003	96.06532	0.34331	ug/L	10/14/10	06:50	
62091-1	Zn	129.76483	129.43505	130.09460	0.35939	ug/L	10/14/10	06:50	
62091-1	2203/1	22.39570	20.84616	23.94523	9.78478	ug/L	10/14/10	06:50	
62091-1	2203/2	25.63761	26.29768	24.97753	3.64110	ug/L	10/14/10	06:50	
62091-1	1960/1	-1.93370	-2.81867	-1.04873	64.72245	ug/L	10/14/10	06:50	
62091-1	1960/2	-0.81205	0.30276	-1.92686	194.14866	ug/L	10/14/10	06:50	
62091-1	Y	1130.64416	1129.08593	1132.20239	0.19490		10/14/10	06:50	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62091-2 1/10	Ag	5.38989	5.11299	5.66679	7.26530	ug/L	10/14/10	06:55	
62091-2 1/10	Al	5332.10937	5357.40917	5306.80908	0.67102	ug/L	10/14/10	06:55	
62091-2 1/10	2Al	5.33199	5.35720	5.30678	0.66864	mg/L	10/14/10	06:55	
62091-2 1/10	As	2.84006	4.16632	1.51381	66.04091	ug/L	10/14/10	06:55	
62091-2 1/10	B	-6.27354	-6.95732	-5.58976	15.41414	ug/L	10/14/10	06:55	
62091-2 1/10	Ba	21.82759	21.93259	21.72259	0.68029	ug/L	10/14/10	06:55	
62091-2 1/10	Be	0.11683	0.11723	0.11644	0.48134	ug/L	10/14/10	06:55	
62091-2 1/10	Ca	483.17340	485.11187	481.23489	0.56738	ug/L	10/14/10	06:55	
62091-2 1/10	Cd	-0.13689	-0.05327	-0.22052	86.38853	ug/L	10/14/10	06:55	
62091-2 1/10	Co	5.06095	5.17666	4.94525	3.23325	ug/L	10/14/10	06:55	
62091-2 1/10	Cr	34.56052	34.62723	34.49382	0.27295	ug/L	10/14/10	06:55	
62091-2 1/10	Cu	9.35393	8.96355	9.74431	5.90210	ug/L	10/14/10	06:55	
62091-2 1/10	Fe	12371.76269	12426.16406	12317.36132	0.62186	ug/L	10/14/10	06:55	
62091-2 1/10	2Fe	12.36963	12.42346	12.31579	0.61545	mg/L	10/14/10	06:55	
62091-2 1/10	K	1791.24755	1792.07214	1790.42285	0.06510	ug/L	10/14/10	06:55	
62091-2 1/10	Mg	926.61224	929.96728	923.25720	0.51205	ug/L	10/14/10	06:55	
62091-2 1/10	2Mg	0.96395	0.96735	0.96056	0.49832	mg/L	10/14/10	06:55	
62091-2 1/10	Mn	86838.67968	86952.41406	86724.94531	0.18522	ug/L	10/14/10	06:55	
62091-2 1/10	Mo	-1.27429	-1.66066	-0.88792	42.87941	ug/L	10/14/10	06:55	
62091-2 1/10	Na	131050.95312	132000.10937	130101.79687	1.02426	ug/L	10/14/10	06:55	
62091-2 1/10	Ni	29.57524	29.61512	29.53536	0.19069	ug/L	10/14/10	06:55	
62091-2 1/10	Pb	7.53037	7.45518	7.60556	1.41210	ug/L	10/14/10	06:55	
62091-2 1/10	Se	21.69114	22.99279	20.38949	8.48645	ug/L	10/14/10	06:55	
62091-2 1/10	Sb	-3.08267	-1.85416	-4.31119	56.35960	ug/L	10/14/10	06:55	
62091-2 1/10	Sn	-17.45003	-19.75760	-15.14246	18.70138	ug/L	10/14/10	06:55	
62091-2 1/10	Sr	4.41143	4.44910	4.37376	1.20758	ug/L	10/14/10	06:55	
62091-2 1/10	Ti	19.64781	19.67134	19.62427	0.16941	ug/L	10/14/10	06:55	
62091-2 1/10	Tl	0.63739	-0.04643	1.32122	151.72384	ug/L	10/14/10	06:55	
62091-2 1/10	V	-7.30300	-8.25508	-6.35093	18.43679	ug/L	10/14/10	06:55	
62091-2 1/10	Zn	42.15351	41.65812	42.64889	1.66197	ug/L	10/14/10	06:55	
62091-2 1/10	2203/1	1.47391	-0.06566	3.01350	147.72198	ug/L	10/14/10	06:55	
62091-2 1/10	2203/2	10.55406	11.20996	9.89815	8.78897	ug/L	10/14/10	06:55	
62091-2 1/10	1960/1	32.33468	34.09471	30.57465	7.69779	ug/L	10/14/10	06:55	
62091-2 1/10	1960/2	16.37735	17.45015	15.30455	9.26382	ug/L	10/14/10	06:55	
62091-2 1/10	Y	1101.30297	1102.98718	1099.61877	0.21627		10/14/10	06:55	
62091-3 1/10	Ag	1.72631	1.94631	1.50631	18.02297	ug/L	10/14/10	07:01	
62091-3 1/10	Al	548.52905	548.43450	548.62359	0.02437	ug/L	10/14/10	07:01	
62091-3 1/10	2Al	0.54854	0.54845	0.54864	0.02437	mg/L	10/14/10	07:01	
62091-3 1/10	As	1.55974	2.51005	0.60942	86.16453	ug/L	10/14/10	07:01	
62091-3 1/10	B	-1.25661	-0.57629	-1.93693	76.56434	ug/L	10/14/10	07:01	
62091-3 1/10	Ba	1.64304	1.58720	1.69888	4.80647	ug/L	10/14/10	07:01	
62091-3 1/10	Be	-0.01016	-0.01377	-0.00656	50.13895	ug/L	10/14/10	07:01	
62091-3 1/10	Ca	789.33953	790.55389	788.12518	0.21756	ug/L	10/14/10	07:01	
62091-3 1/10	Cd	-0.32651	-0.35870	-0.29433	13.93990	ug/L	10/14/10	07:01	
62091-3 1/10	Co	0.45509	0.77351	0.13666	98.95250	ug/L	10/14/10	07:01	
62091-3 1/10	Cr	15.18973	15.42345	14.95600	2.17605	ug/L	10/14/10	07:01	
62091-3 1/10	Cu	0.19552	0.63209	-0.24104	315.76116	ug/L	10/14/10	07:01	
62091-3 1/10	Fe	163.70175	171.58021	155.82330	6.80616	ug/L	10/14/10	07:01	
62091-3 1/10	2Fe	0.16368	0.17155	0.15580	6.80631	mg/L	10/14/10	07:01	
62091-3 1/10	K	4175.97705	4178.55273	4173.40136	0.08722	ug/L	10/14/10	07:01	
62091-3 1/10	Mg	1183.50244	1189.99560	1177.00927	0.77589	ug/L	10/14/10	07:01	
62091-3 1/10	2Mg	1.20399	1.21055	1.19744	0.77012	mg/L	10/14/10	07:01	
62091-3 1/10	Mn	45530.55468	45675.76562	45385.33984	0.45104	ug/L	10/14/10	07:01	
62091-3 1/10	Mo	-4.09854	-5.14820	-3.04888	36.21879	ug/L	10/14/10	07:01	
62091-3 1/10	Na	363549.43750	364583.00000	362515.87500	0.40205	ug/L	10/14/10	07:01	
62091-3 1/10	Ni	1.98705	1.59212	2.38197	28.10740	ug/L	10/14/10	07:01	
62091-3 1/10	Pb	2.79837	3.96635	1.63038	59.02640	ug/L	10/14/10	07:01	
62091-3 1/10	Se	9.99401	6.59393	13.39410	48.11328	ug/L	10/14/10	07:01	
62091-3 1/10	Sb	-8.19878	-7.71130	-8.68625	8.40851	ug/L	10/14/10	07:01	
62091-3 1/10	Sn	-13.68107	-14.18900	-13.17315	5.25041	ug/L	10/14/10	07:01	
62091-3 1/10	Sr	5.44936	5.42709	5.47163	0.57787	ug/L	10/14/10	07:01	
62091-3 1/10	Ti	0.18805	0.54751	-0.17140	270.31738	ug/L	10/14/10	07:01	
62091-3 1/10	Tl	2.33357	4.40531	0.26182	125.55390	ug/L	10/14/10	07:01	
62091-3 1/10	V	-8.71463	-8.49629	-8.93297	3.54315	ug/L	10/14/10	07:01	
62091-3 1/10	Zn	3.29378	3.47894	3.10862	7.94983	ug/L	10/14/10	07:01	
62091-3 1/10	2203/1	-7.86094	-5.72675	-9.99513	38.39495	ug/L	10/14/10	07:01	
62091-3 1/10	2203/2	8.12003	8.80564	7.43443	11.94068	ug/L	10/14/10	07:01	
62091-3 1/10	1960/1	14.09302	11.50290	16.68314	25.99145	ug/L	10/14/10	07:01	
62091-3 1/10	1960/2	7.94758	4.14312	11.75205	67.69759	ug/L	10/14/10	07:01	
62091-3 1/10	Y	1088.00573	1088.59790	1087.41357	0.07697		10/14/10	07:01	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62091-4	Ag	-0.20756	-0.12192	-0.29319	58.34702	ug/L	10/14/10	07:06	
62091-4	Al	15628.81542	15642.60058	15615.03027	0.12473	ug/L	10/14/10	07:06	
62091-4	2Al	15.62854	15.64200	15.61507	0.12184	mg/L	10/14/10	07:06	
62091-4	As	-2.21210	-2.77273	-1.65148	35.84112	ug/L	10/14/10	07:06	
62091-4	B	28.40331	28.52933	28.27728	0.62748	ug/L	10/14/10	07:06	
62091-4	Ba	2.50346	2.43049	2.57642	4.12192	ug/L	10/14/10	07:06	
62091-4	Be	0.18967	0.17642	0.20292	9.87693	ug/L	10/14/10	07:06	
62091-4	Ca	188.81347	188.53836	189.08859	0.20606	ug/L	10/14/10	07:06	
62091-4	Cd	-0.19643	-0.26863	-0.12423	51.97795	ug/L	10/14/10	07:06	
62091-4	Co	-0.02565	-0.30079	0.24949	1517.01867	ug/L	10/14/10	07:06	
62091-4	Cr	12.47134	12.55922	12.38347	0.99648	ug/L	10/14/10	07:06	
62091-4	Cu	0.13893	-0.01207	0.28994	153.71749	ug/L	10/14/10	07:06	
62091-4	Fe	-24.42230	-38.17283	-10.67177	79.62471	ug/L	10/14/10	07:06	
62091-4	2Fe	-0.02441	-0.03816	-0.01067	79.62379	mg/L	10/14/10	07:06	
62091-4	K	75650.06250	75781.63281	75518.50000	0.24595	ug/L	10/14/10	07:06	
62091-4	Mg	686.73803	687.77099	685.70501	0.21272	ug/L	10/14/10	07:06	
62091-4	2Mg	0.69078	0.69182	0.68974	0.21330	mg/L	10/14/10	07:06	
62091-4	Mn	9249.04101	9263.73046	9234.35058	0.22461	ug/L	10/14/10	07:06	
62091-4	Mo	-3.92214	-4.99518	-2.84909	38.69096	ug/L	10/14/10	07:06	
62091-4	Na	5388699.00000	5400886.00000	5376512.50000	0.31982	ug/L	10/14/10	07:06	
62091-4	Ni	11.83784	11.50210	12.17358	4.01092	ug/L	10/14/10	07:06	
62091-4	Pb	0.76077	0.89352	0.62803	24.67576	ug/L	10/14/10	07:06	
62091-4	Se	5.06919	3.17649	6.96189	52.80284	ug/L	10/14/10	07:06	
62091-4	Sb	-1.93903	2.69551	-6.57357	338.01614	ug/L	10/14/10	07:06	
62091-4	Sn	-4.77885	-3.70090	-5.85681	31.89998	ug/L	10/14/10	07:06	
62091-4	Sr	2.84776	2.83737	2.85815	0.51611	ug/L	10/14/10	07:06	
62091-4	Ti	-0.26379	-0.32643	-0.20115	33.57967	ug/L	10/14/10	07:06	
62091-4	Tl	2.96887	0.48245	5.45528	118.43956	ug/L	10/14/10	07:06	
62091-4	V	-3.77835	-4.04726	-3.50945	10.06495	ug/L	10/14/10	07:06	
62091-4	Zn	16.78231	16.70121	16.86340	0.68337	ug/L	10/14/10	07:06	
62091-4	2203/1	-0.99384	-1.05429	-0.93340	8.60119	ug/L	10/14/10	07:06	
62091-4	2203/2	1.63677	1.86597	1.40758	19.80285	ug/L	10/14/10	07:06	
62091-4	1960/1	3.76431	2.50833	5.02029	47.18582	ug/L	10/14/10	07:06	
62091-4	1960/2	5.72065	3.51007	7.93123	54.64813	ug/L	10/14/10	07:06	
62091-4	Y	948.57836	947.14196	950.01477	0.21414		10/14/10	07:06	
62091-5	Ag	-0.93228	-0.05720	-1.80737	132.74403	ug/L	10/14/10	07:11	
62091-5	Al	3940.46582	3939.56616	3941.36523	0.03228	ug/L	10/14/10	07:11	
62091-5	2Al	3.94031	3.93915	3.94148	0.04180	mg/L	10/14/10	07:11	
62091-5	As	2.85322	2.47418	3.23226	18.78736	ug/L	10/14/10	07:11	
62091-5	B	38.98771	38.87434	39.10108	0.41124	ug/L	10/14/10	07:11	
62091-5	Ba	42.85591	43.01262	42.69919	0.51714	ug/L	10/14/10	07:11	
62091-5	Be	0.51930	0.54021	0.49838	5.69640	ug/L	10/14/10	07:11	
62091-5	Ca	6622.12988	6623.09033	6621.16894	0.02051	ug/L	10/14/10	07:11	
62091-5	Cd	0.04350	0.09272	-0.00570	159.97694	ug/L	10/14/10	07:11	
62091-5	Co	19.16152	19.49296	18.83008	2.44620	ug/L	10/14/10	07:11	
62091-5	Cr	4.28529	4.32165	4.24893	1.19994	ug/L	10/14/10	07:11	
62091-5	Cu	5.04462	5.30270	4.78654	7.23511	ug/L	10/14/10	07:11	
62091-5	Fe	9075.64843	9106.54199	9044.75390	0.48140	ug/L	10/14/10	07:11	
62091-5	2Fe	9.07395	9.10430	9.04361	0.47290	mg/L	10/14/10	07:11	
62091-5	K	3153.24902	3153.59179	3152.90649	0.01536	ug/L	10/14/10	07:11	
62091-5	Mg	2322.23803	2329.66333	2314.81274	0.45219	ug/L	10/14/10	07:11	
62091-5	2Mg	2.32124	2.32866	2.31382	0.45200	mg/L	10/14/10	07:11	
62091-5	Mn	2751.46484	2754.31567	2748.61425	0.14652	ug/L	10/14/10	07:11	
62091-5	Mo	-6.17619	-5.18489	-7.16749	22.69857	ug/L	10/14/10	07:11	
62091-5	Na	5496.44091	5653.51708	5339.36474	4.04151	ug/L	10/14/10	07:11	
62091-5	Ni	93.61084	93.58966	93.63202	0.03199	ug/L	10/14/10	07:11	
62091-5	Pb	6.26049	5.49821	7.02277	17.21949	ug/L	10/14/10	07:11	
62091-5	Se	-4.86571	-3.46520	-6.26621	40.70548	ug/L	10/14/10	07:11	
62091-5	Sb	-11.08783	-13.65434	-8.52132	32.73491	ug/L	10/14/10	07:11	
62091-5	Sn	-11.51517	-12.29086	-10.73949	9.52637	ug/L	10/14/10	07:11	
62091-5	Sr	33.22285	33.27035	33.17535	0.20219	ug/L	10/14/10	07:11	
62091-5	Ti	38.56625	37.60512	39.52737	3.52441	ug/L	10/14/10	07:11	
62091-5	Tl	-3.95111	-3.38777	-4.51445	20.16351	ug/L	10/14/10	07:11	
62091-5	V	7.46775	8.10064	6.83487	11.98534	ug/L	10/14/10	07:11	
62091-5	Zn	80.31790	80.30505	80.33074	0.02261	ug/L	10/14/10	07:11	
62091-5	2203/1	-1.78684	-3.14202	-0.43165	107.25754	ug/L	10/14/10	07:11	
62091-5	2203/2	10.27813	9.81186	10.74440	6.41559	ug/L	10/14/10	07:11	
62091-5	1960/1	-14.69987	-9.91178	-19.48796	46.06418	ug/L	10/14/10	07:11	
62091-5	1960/2	0.04399	-0.24675	0.33474	934.61419	ug/L	10/14/10	07:11	
62091-5	Y	1132.24023	1138.30078	1126.17956	0.75699		10/14/10	07:11	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62091-6 1/10	Ag	2.98771	3.92377	2.05164	44.30797	ug/L	10/14/10	07:17	
62091-6 1/10	Al	930.11279	930.00366	930.22192	0.01659	ug/L	10/14/10	07:17	
62091-6 1/10	2Al	0.93014	0.93003	0.93024	0.01659	mg/L	10/14/10	07:17	
62091-6 1/10	As	0.40785	0.74663	0.06907	117.46905	ug/L	10/14/10	07:17	
62091-6 1/10	B	0.88847	0.65970	1.11723	36.41308	ug/L	10/14/10	07:17	
62091-6 1/10	Ba	4.04683	4.11969	3.97398	2.54596	ug/L	10/14/10	07:17	
62091-6 1/10	Be	0.10926	0.11296	0.10556	4.78936	ug/L	10/14/10	07:17	
62091-6 1/10	Ca	2489.90893	2488.23779	2491.58007	0.09491	ug/L	10/14/10	07:17	
62091-6 1/10	Cd	-0.15125	-0.01069	-0.29182	131.42561	ug/L	10/14/10	07:17	
62091-6 1/10	Co	2.32265	2.15149	2.49382	10.42201	ug/L	10/14/10	07:17	
62091-6 1/10	Cr	20.06161	19.81713	20.30608	1.72338	ug/L	10/14/10	07:17	
62091-6 1/10	Cu	0.18466	0.36050	0.00882	134.66342	ug/L	10/14/10	07:17	
62091-6 1/10	Fe	966.37945	959.41125	973.34765	1.01973	ug/L	10/14/10	07:17	
62091-6 1/10	2Fe	0.96625	0.95928	0.97322	1.01974	mg/L	10/14/10	07:17	
62091-6 1/10	K	3385.42944	3387.67114	3383.18774	0.09364	ug/L	10/14/10	07:17	
62091-6 1/10	Mg	1125.98620	1123.88671	1128.08569	0.26369	ug/L	10/14/10	07:17	
62091-6 1/10	2Mg	1.15086	1.14873	1.15299	0.26192	mg/L	10/14/10	07:17	
62091-6 1/10	Mn	55366.18750	55292.33203	55440.04687	0.18865	ug/L	10/14/10	07:17	
62091-6 1/10	Mo	-2.85443	-4.14058	-1.56828	63.72142	ug/L	10/14/10	07:17	
62091-6 1/10	Na	170928.96875	171303.15625	170554.76562	0.30959	ug/L	10/14/10	07:17	
62091-6 1/10	Ni	11.06247	11.64568	10.47925	7.45571	ug/L	10/14/10	07:17	
62091-6 1/10	Pb	3.55839	4.67990	2.43688	44.57209	ug/L	10/14/10	07:17	
62091-6 1/10	Se	21.21873	20.55616	21.88129	4.41596	ug/L	10/14/10	07:17	
62091-6 1/10	Sb	-1.40703	0.31027	-3.12433	172.60673	ug/L	10/14/10	07:17	
62091-6 1/10	Sn	-13.67850	-12.64602	-14.71098	10.67476	ug/L	10/14/10	07:17	
62091-6 1/10	Sr	7.77414	7.77652	7.77177	0.04321	ug/L	10/14/10	07:17	
62091-6 1/10	Ti	0.20249	0.12602	0.27897	53.40902	ug/L	10/14/10	07:17	
62091-6 1/10	Tl	4.64685	4.76596	4.52774	3.62502	ug/L	10/14/10	07:17	
62091-6 1/10	V	-7.70150	-7.99898	-7.40402	5.46259	ug/L	10/14/10	07:17	
62091-6 1/10	Zn	11.75854	11.53859	11.97850	2.64544	ug/L	10/14/10	07:17	
62091-6 1/10	2203/1	-2.84388	-1.33364	-4.35412	75.10157	ug/L	10/14/10	07:17	
62091-6 1/10	2203/2	6.75473	7.68217	5.82730	19.41729	ug/L	10/14/10	07:17	
62091-6 1/10	1960/1	30.68787	29.52096	31.85478	5.37755	ug/L	10/14/10	07:17	
62091-6 1/10	1960/2	16.49125	16.08048	16.90203	3.52261	ug/L	10/14/10	07:17	
62091-6 1/10	Y	1086.10314	1086.22070	1085.98559	0.01530		10/14/10	07:17	
62091-7	Ag	23.86680	22.85852	24.87508	5.97448	ug/L	10/14/10	07:22	
62091-7	Al	3301.15332	3299.45605	3302.85058	0.07271	ug/L	10/14/10	07:22	
62091-7	2Al	3.30095	3.29935	3.30255	0.06854	mg/L	10/14/10	07:22	
62091-7	As	4.51658	2.45321	6.57994	64.60719	ug/L	10/14/10	07:22	
62091-7	B	30.13724	30.06497	30.20951	0.33914	ug/L	10/14/10	07:22	
62091-7	Ba	7.38000	7.19957	7.56044	3.45769	ug/L	10/14/10	07:22	
62091-7	Be	0.35302	0.30926	0.39677	17.52835	ug/L	10/14/10	07:22	
62091-7	Ca	20299.67578	20255.66992	20343.68359	0.30658	ug/L	10/14/10	07:22	
62091-7	Cd	-0.34761	-0.63092	-0.06430	115.26044	ug/L	10/14/10	07:22	
62091-7	Co	1.55006	1.24410	1.85601	27.91433	ug/L	10/14/10	07:22	
62091-7	Cr	111.35044	110.09690	112.60398	1.59207	ug/L	10/14/10	07:22	
62091-7	Cu	3.61089	3.51639	3.70540	3.70118	ug/L	10/14/10	07:22	
62091-7	Fe	325.99316	317.51968	334.46661	3.67593	ug/L	10/14/10	07:22	
62091-7	2Fe	0.32596	0.31749	0.33443	3.67591	mg/L	10/14/10	07:22	
62091-7	K	64558.19140	64599.04296	64517.33984	0.08948	ug/L	10/14/10	07:22	
62091-7	Mg	11063.59375	11027.30078	11099.88574	0.46391	ug/L	10/14/10	07:22	
62091-7	2Mg	11.17462	11.13831	11.21093	0.45949	mg/L	10/14/10	07:22	
62091-7	Mn	249300.37500	249242.28125	249358.46875	0.03295	ug/L	10/14/10	07:22	
62091-7	Mo	-3.36567	-3.40969	-3.32165	1.84952	ug/L	10/14/10	07:22	
62091-7	Na	3407816.50000	3421321.25000	3394312.00000	0.56042	ug/L	10/14/10	07:22	
62091-7	Ni	16.84630	15.84578	17.84683	8.39921	ug/L	10/14/10	07:22	
62091-7	Pb	27.39272	27.55631	27.22913	0.84456	ug/L	10/14/10	07:22	
62091-7	Se	120.38808	118.27738	122.49877	2.47945	ug/L	10/14/10	07:22	
62091-7	Sb	-6.06552	-9.86999	-2.26104	88.70368	ug/L	10/14/10	07:22	
62091-7	Sn	-61.50289	-63.46586	-59.53993	4.51369	ug/L	10/14/10	07:22	
62091-7	Sr	31.62996	31.75187	31.50804	0.54510	ug/L	10/14/10	07:22	
62091-7	Ti	0.09983	-0.01566	0.21533	163.60797	ug/L	10/14/10	07:22	
62091-7	Tl	-93.81146	-105.56378	-82.05915	17.71668	ug/L	10/14/10	07:22	
62091-7	V	117.61921	116.12694	119.11148	1.79425	ug/L	10/14/10	07:22	
62091-7	Zn	24.77266	24.52883	25.01649	1.39196	ug/L	10/14/10	07:22	
62091-7	2203/1	15.22764	11.31513	19.14016	36.33609	ug/L	10/14/10	07:22	
62091-7	2203/2	33.46614	35.66473	31.26755	9.29079	ug/L	10/14/10	07:22	
62091-7	1960/1	185.63641	182.85447	188.41833	2.11932	ug/L	10/14/10	07:22	
62091-7	1960/2	87.81283	86.03725	89.58841	2.85954	ug/L	10/14/10	07:22	
62091-7	Y	1026.17761	1022.55718	1029.79797	0.49893		10/14/10	07:22	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	467.63150	466.67919	468.58380	0.28799	ug/L	10/14/10	07:30	
CCV	Al	4697.19921	4699.54687	4694.85205	0.07067	ug/L	10/14/10	07:30	
CCV	2Al	4.69702	4.69928	4.69476	0.06796	mg/L	10/14/10	07:30	
CCV	As	481.73666	481.42739	482.04592	0.09078	ug/L	10/14/10	07:30	
CCV	B	4781.62255	4771.75732	4791.48779	0.29177	ug/L	10/14/10	07:30	
CCV	Ba	4703.25976	4704.43847	4702.08154	0.03543	ug/L	10/14/10	07:30	
CCV	Be	487.69763	486.79296	488.60229	0.26233	ug/L	10/14/10	07:30	
CCV	Ca	5024.45019	5016.26074	5032.63916	0.23049	ug/L	10/14/10	07:30	
CCV	Cd	495.88763	494.12643	497.64883	0.50227	ug/L	10/14/10	07:30	
CCV	Co	491.92184	491.05612	492.78756	0.24888	ug/L	10/14/10	07:30	
CCV	Cr	4862.93408	4854.38916	4871.47900	0.24849	ug/L	10/14/10	07:30	
CCV	Cu	4650.22167	4648.04492	4652.39843	0.06619	ug/L	10/14/10	07:30	
CCV	Fe	4874.75341	4854.83251	4894.67431	0.57792	ug/L	10/14/10	07:30	
CCV	2Fe	4.87475	4.85483	4.89467	0.57787	mg/L	10/14/10	07:30	
CCV	K	8900.71093	8874.13964	8927.28320	0.42219	ug/L	10/14/10	07:30	
CCV	Mg	5095.75097	5085.30126	5106.20068	0.29000	ug/L	10/14/10	07:30	
CCV	2Mg	5.09573	5.08529	5.10618	0.28988	mg/L	10/14/10	07:30	
CCV	Mn	4979.71093	4975.53222	4983.89013	0.11868	ug/L	10/14/10	07:30	
CCV	Mo	485.36077	484.28466	486.43692	0.31355	ug/L	10/14/10	07:30	
CCV	Na	6982.23925	6857.77832	7106.70019	2.52088	ug/L	10/14/10	07:30	
CCV	Ni	2480.59985	2476.95312	2484.24658	0.20790	ug/L	10/14/10	07:30	
CCV	Pb	504.62957	504.32058	504.93856	0.08659	ug/L	10/14/10	07:30	
CCV	Se	4836.88574	4835.58886	4838.18261	0.03791	ug/L	10/14/10	07:30	
CCV	Sb	464.60766	458.52520	470.69015	1.85143	ug/L	10/14/10	07:30	
CCV	Sn	4927.93701	4913.88037	4941.99365	0.40339	ug/L	10/14/10	07:30	
CCV	Sr	2331.40112	2332.13378	2330.66845	0.04444	ug/L	10/14/10	07:30	
CCV	Ti	475.60311	474.65615	476.55007	0.28158	ug/L	10/14/10	07:30	
CCV	Tl	4842.79248	4831.72363	4853.86132	0.32323	ug/L	10/14/10	07:30	
CCV	V	4855.81542	4849.58691	4862.04443	0.18140	ug/L	10/14/10	07:30	
CCV	Zn	2558.88232	2552.07836	2565.68627	0.37603	ug/L	10/14/10	07:30	
CCV	2203/1	510.96746	507.67236	514.26257	0.91199	ug/L	10/14/10	07:30	
CCV	2203/2	501.46539	502.64718	500.28356	0.33328	ug/L	10/14/10	07:30	
CCV	1960/1	4930.60595	4911.91015	4949.30175	0.53623	ug/L	10/14/10	07:30	
CCV	1960/2	4790.09570	4797.48535	4782.70654	0.21816	ug/L	10/14/10	07:30	
CCV	Y	1114.26831	1114.99072	1113.54602	0.09167		10/14/10	07:30	
CCB	Ag	0.18916	0.42618	-0.04784	177.18946	ug/L	10/14/10	07:39	
CCB	Al	-21.58017	-25.05335	-18.10699	22.76078	ug/L	10/14/10	07:39	
CCB	2Al	-0.02158	-0.02505	-0.01810	22.76079	mg/L	10/14/10	07:39	
CCB	As	-1.32168	-0.01980	-2.62356	139.30174	ug/L	10/14/10	07:39	
CCB	B	3.07724	1.90856	4.24592	53.70913	ug/L	10/14/10	07:39	
CCB	Ba	0.18718	0.05733	0.31703	98.10614	ug/L	10/14/10	07:39	
CCB	Be	0.06463	0.04321	0.08606	46.87300	ug/L	10/14/10	07:39	
CCB	Ca	8.15493	8.11302	8.19683	0.72669	ug/L	10/14/10	07:39	
CCB	Cd	-0.19532	-0.46520	0.07456	195.41041	ug/L	10/14/10	07:39	
CCB	Co	0.92077	0.97670	0.86485	8.58934	ug/L	10/14/10	07:39	
CCB	Cr	1.30796	0.97616	1.63976	35.87506	ug/L	10/14/10	07:39	
CCB	Cu	-0.06797	-0.42991	0.29397	753.04071	ug/L	10/14/10	07:39	
CCB	Fe	-5.30396	-13.59840	2.99048	221.15762	ug/L	10/14/10	07:39	
CCB	2Fe	-0.00530	-0.01359	0.00299	221.16775	mg/L	10/14/10	07:39	
CCB	K	-18.26723	-20.05799	-16.47647	13.86371	ug/L	10/14/10	07:39	
CCB	Mg	6.39905	3.56268	9.23543	62.68489	ug/L	10/14/10	07:39	
CCB	2Mg	0.00640	0.00356	0.00923	62.63621	mg/L	10/14/10	07:39	
CCB	Mn	4.13201	3.02355	5.24048	37.93814	ug/L	10/14/10	07:39	
CCB	Mo	-1.45460	-0.32745	-2.58174	109.58490	ug/L	10/14/10	07:39	
CCB	Na	-18.26248	28.97138	-65.49636	365.77044	ug/L	10/14/10	07:39	
CCB	Ni	-0.05348	-1.01305	0.90608	2537.24169	ug/L	10/14/10	07:39	
CCB	Pb	2.30057	2.02924	2.57190	16.67937	ug/L	10/14/10	07:39	
CCB	Se	-0.09344	-0.43983	0.25293	524.19427	ug/L	10/14/10	07:39	
CCB	Sb	-3.00572	0.40808	-6.41953	160.62208	ug/L	10/14/10	07:39	
CCB	Sn	-2.26872	-2.96479	-1.57264	43.39026	ug/L	10/14/10	07:39	
CCB	Sr	0.16156	0.07135	0.25177	78.96176	ug/L	10/14/10	07:39	
CCB	Ti	-0.32511	-0.28288	-0.36734	18.36843	ug/L	10/14/10	07:39	
CCB	Tl	5.86231	12.15559	-0.43096	151.81782	ug/L	10/14/10	07:39	
CCB	V	-0.17649	-0.00423	-0.34876	138.02809	ug/L	10/14/10	07:39	
CCB	Zn	0.71597	0.32368	1.10825	77.48490	ug/L	10/14/10	07:39	
CCB	2203/1	-0.98090	0.43566	-2.39747	204.23368	ug/L	10/14/10	07:39	
CCB	2203/2	3.93885	2.82483	5.05287	39.99795	ug/L	10/14/10	07:39	
CCB	1960/1	-6.40992	-4.71950	-8.10033	37.29542	ug/L	10/14/10	07:39	
CCB	1960/2	3.06005	1.69679	4.42330	63.00327	ug/L	10/14/10	07:39	
CCB	Y	1125.90234	1126.67517	1125.12951	0.09707		10/14/10	07:39	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62091-8	Ag	3.65033	4.00537	3.29530	13.75481	ug/L	10/14/10	07:44	
62091-8	Al	4347.05810	4353.54833	4340.56787	0.21114	ug/L	10/14/10	07:44	
62091-8	2Al	4.34697	4.35367	4.34026	0.21812	mg/L	10/14/10	07:44	
62091-8	As	-1.89243	-3.04972	-0.73515	86.48348	ug/L	10/14/10	07:44	
62091-8	B	113.38867	113.43439	113.34295	0.05702	ug/L	10/14/10	07:44	
62091-8	Ba	2.64462	2.60299	2.68625	2.22618	ug/L	10/14/10	07:44	
62091-8	Be	0.29629	0.32211	0.27047	12.32604	ug/L	10/14/10	07:44	
62091-8	Ca	1209.85729	1209.89086	1209.82373	0.00392	ug/L	10/14/10	07:44	
62091-8	Cd	-0.22198	-0.10465	-0.33931	74.74575	ug/L	10/14/10	07:44	
62091-8	Co	-0.01189	0.24781	-0.27159	3088.41479	ug/L	10/14/10	07:44	
62091-8	Cr	22.36687	22.45330	22.28044	0.54648	ug/L	10/14/10	07:44	
62091-8	Cu	0.64040	0.76322	0.51759	27.12058	ug/L	10/14/10	07:44	
62091-8	Fe	-13.94858	-6.65136	-21.24580	73.98476	ug/L	10/14/10	07:44	
62091-8	2Fe	-0.01394	-0.00665	-0.02124	73.97895	mg/L	10/14/10	07:44	
62091-8	K	74750.07812	74886.63281	74613.52343	0.25835	ug/L	10/14/10	07:44	
62091-8	Mg	1525.85058	1529.16003	1522.54113	0.30673	ug/L	10/14/10	07:44	
62091-8	2Mg	1.55180	1.55512	1.54848	0.30264	mg/L	10/14/10	07:44	
62091-8	Mn	57583.35937	57613.14453	57553.57031	0.07315	ug/L	10/14/10	07:44	
62091-8	Mo	-4.97107	-4.57194	-5.37021	11.35501	ug/L	10/14/10	07:44	
62091-8	Na	8007002.00000	8028926.00000	7985078.50000	0.38722	ug/L	10/14/10	07:44	
62091-8	Ni	10.56654	10.97795	10.15514	5.50619	ug/L	10/14/10	07:44	
62091-8	Pb	3.05454	2.92265	3.18643	6.10630	ug/L	10/14/10	07:44	
62091-8	Se	19.48673	20.83608	18.13737	9.79267	ug/L	10/14/10	07:44	
62091-8	Sb	-1.70610	1.71036	-5.12258	283.19610	ug/L	10/14/10	07:44	
62091-8	Sn	-14.49300	-12.07964	-16.90636	23.54932	ug/L	10/14/10	07:44	
62091-8	Sr	3.87351	3.88833	3.85870	0.54081	ug/L	10/14/10	07:44	
62091-8	Ti	0.09811	0.38945	-0.19322	419.93560	ug/L	10/14/10	07:44	
62091-8	Tl	2.52224	1.09990	3.94459	79.75041	ug/L	10/14/10	07:44	
62091-8	V	-11.15175	-10.84385	-11.45965	3.90463	ug/L	10/14/10	07:44	
62091-8	Zn	15.03165	15.32798	14.73531	2.78799	ug/L	10/14/10	07:44	
62091-8	2203/1	-1.85134	-0.32159	-3.38109	116.85547	ug/L	10/14/10	07:44	
62091-8	2203/2	5.50381	4.54235	6.46528	24.70497	ug/L	10/14/10	07:44	
62091-8	1960/1	24.47294	21.73544	27.21044	15.81913	ug/L	10/14/10	07:44	
62091-8	1960/2	16.99736	20.38707	13.60764	28.20308	ug/L	10/14/10	07:44	
62091-8	Y	938.53613	935.86914	941.20318	0.40187		10/14/10	07:44	
62091-9	Ag	0.60959	0.80724	0.41194	45.85385	ug/L	10/14/10	07:49	
62091-9	Al	5189.74218	5204.76757	5174.71630	0.40945	ug/L	10/14/10	07:49	
62091-9	2Al	5.18972	5.20475	5.17470	0.40947	mg/L	10/14/10	07:49	
62091-9	As	1.14308	0.99941	1.28676	17.77532	ug/L	10/14/10	07:49	
62091-9	B	40.54890	41.47304	39.62475	3.22311	ug/L	10/14/10	07:49	
62091-9	Ba	106.97518	107.14047	106.80989	0.21851	ug/L	10/14/10	07:49	
62091-9	Be	0.50993	0.52659	0.49326	4.62271	ug/L	10/14/10	07:49	
62091-9	Ca	28494.38867	28499.29101	28489.48632	0.02433	ug/L	10/14/10	07:49	
62091-9	Cd	1.08863	1.34802	0.82924	33.69717	ug/L	10/14/10	07:49	
62091-9	Co	34.61435	34.63652	34.59218	0.09058	ug/L	10/14/10	07:49	
62091-9	Cr	14.14234	13.90548	14.37921	2.36860	ug/L	10/14/10	07:49	
62091-9	Cu	48.96734	49.06613	48.86855	0.28530	ug/L	10/14/10	07:49	
62091-9	Fe	18442.46093	18446.39843	18438.52539	0.03018	ug/L	10/14/10	07:49	
62091-9	2Fe	18.43961	18.44407	18.43515	0.03422	mg/L	10/14/10	07:49	
62091-9	K	3050.11791	3052.90966	3047.32617	0.12944	ug/L	10/14/10	07:49	
62091-9	Mg	5459.90917	5472.23876	5447.57958	0.31935	ug/L	10/14/10	07:49	
62091-9	2Mg	5.46149	5.47382	5.44916	0.31928	mg/L	10/14/10	07:49	
62091-9	Mn	13907.04687	13917.67871	13896.41601	0.10811	ug/L	10/14/10	07:49	
62091-9	Mo	-1.18793	-1.65716	-0.71871	55.85980	ug/L	10/14/10	07:49	
62091-9	Na	11947.29199	11969.59472	11924.98925	0.26399	ug/L	10/14/10	07:49	
62091-9	Ni	150.76704	151.63606	149.89802	0.81515	ug/L	10/14/10	07:49	
62091-9	Pb	18.29210	17.87409	18.71011	3.23173	ug/L	10/14/10	07:49	
62091-9	Se	4.19787	3.33656	5.05919	29.01668	ug/L	10/14/10	07:49	
62091-9	Sb	-8.35977	-9.43517	-7.28436	18.19254	ug/L	10/14/10	07:49	
62091-9	Sn	-3.00557	-2.62807	-3.38308	17.76259	ug/L	10/14/10	07:49	
62091-9	Sr	125.00502	124.73588	125.27414	0.30447	ug/L	10/14/10	07:49	
62091-9	Ti	58.61834	59.23963	57.99706	1.49889	ug/L	10/14/10	07:49	
62091-9	Tl	-1.52640	-2.11272	-0.94008	54.32267	ug/L	10/14/10	07:49	
62091-9	V	14.76340	15.06947	14.45734	2.93186	ug/L	10/14/10	07:49	
62091-9	Zn	94.78544	95.17268	94.39821	0.57775	ug/L	10/14/10	07:49	
62091-9	2203/1	13.21454	12.33439	14.09468	9.41927	ug/L	10/14/10	07:49	
62091-9	2203/2	20.82722	20.63994	21.01450	1.27170	ug/L	10/14/10	07:49	
62091-9	1960/1	1.66242	-2.29796	5.62281	336.90762	ug/L	10/14/10	07:49	
62091-9	1960/2	5.46370	6.14960	4.77780	17.75364	ug/L	10/14/10	07:49	
62091-9	Y	1185.94555	1190.37231	1181.51879	0.52788		10/14/10	07:49	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62091-10 1/10	Ag	4.08881	3.84807	4.32954	8.32647	ug/L	10/14/10	07:55	
62091-10 1/10	Al	3037.39868	3031.11865	3043.67871	0.29239	ug/L	10/14/10	07:55	
62091-10 1/10	2Al	3.03731	3.03103	3.04359	0.29240	mg/L	10/14/10	07:55	
62091-10 1/10	As	0.89700	1.78529	0.00870	140.04820	ug/L	10/14/10	07:55	
62091-10 1/10	B	1.74566	1.28554	2.20578	37.27577	ug/L	10/14/10	07:55	
62091-10 1/10	Ba	35.04700	35.01697	35.07704	0.12118	ug/L	10/14/10	07:55	
62091-10 1/10	Be	0.25874	0.25541	0.26207	1.81990	ug/L	10/14/10	07:55	
62091-10 1/10	Ca	5440.35107	5436.27587	5444.42626	0.10593	ug/L	10/14/10	07:55	
62091-10 1/10	Cd	0.03798	0.21806	-0.14209	670.50830	ug/L	10/14/10	07:55	
62091-10 1/10	Co	6.51344	6.66379	6.36310	3.26433	ug/L	10/14/10	07:55	
62091-10 1/10	Cr	33.55990	33.39485	33.72494	0.69549	ug/L	10/14/10	07:55	
62091-10 1/10	Cu	26.21042	26.34422	26.07662	0.72194	ug/L	10/14/10	07:55	
62091-10 1/10	Fe	6060.94482	6060.40917	6061.48046	0.01249	ug/L	10/14/10	07:55	
62091-10 1/10	2Fe	6.06017	6.05964	6.06071	0.01249	mg/L	10/14/10	07:55	
62091-10 1/10	K	4377.25878	4383.66259	4370.85498	0.20689	ug/L	10/14/10	07:55	
62091-10 1/10	Mg	1533.25463	1526.79309	1539.71606	0.59598	ug/L	10/14/10	07:55	
62091-10 1/10	2Mg	1.56588	1.55937	1.57239	0.58801	mg/L	10/14/10	07:55	
62091-10 1/10	Mn	74503.37500	74391.46093	74615.29687	0.21244	ug/L	10/14/10	07:55	
62091-10 1/10	Mo	-4.75912	-4.20247	-5.31577	16.54125	ug/L	10/14/10	07:55	
62091-10 1/10	Na	173907.18750	173940.18750	173874.17187	0.02684	ug/L	10/14/10	07:55	
62091-10 1/10	Ni	26.69459	27.32195	26.06722	3.32363	ug/L	10/14/10	07:55	
62091-10 1/10	Pb	5.16786	3.66561	6.67010	41.10982	ug/L	10/14/10	07:55	
62091-10 1/10	Se	18.00202	18.16751	17.83652	1.30009	ug/L	10/14/10	07:55	
62091-10 1/10	Sb	-8.39821	-10.13425	-6.66217	29.23404	ug/L	10/14/10	07:55	
62091-10 1/10	Sn	-18.77141	-19.66062	-17.88220	6.69920	ug/L	10/14/10	07:55	
62091-10 1/10	Sr	21.07193	21.06137	21.08250	0.07088	ug/L	10/14/10	07:55	
62091-10 1/10	Ti	3.14135	3.27070	3.01200	5.82333	ug/L	10/14/10	07:55	
62091-10 1/10	Tl	3.97597	7.04183	0.91011	109.04965	ug/L	10/14/10	07:55	
62091-10 1/10	V	-8.79093	-8.56422	-9.01765	3.64718	ug/L	10/14/10	07:55	
62091-10 1/10	Zn	37.31418	37.55227	37.07609	0.90237	ug/L	10/14/10	07:55	
62091-10 1/10	2203/1	-0.40476	-2.94842	2.13888	888.72747	ug/L	10/14/10	07:55	
62091-10 1/10	2203/2	7.94999	6.96767	8.93232	17.47442	ug/L	10/14/10	07:55	
62091-10 1/10	1960/1	25.54857	31.17686	19.92027	31.15481	ug/L	10/14/10	07:55	
62091-10 1/10	1960/2	14.23440	11.67259	16.79621	25.45205	ug/L	10/14/10	07:55	
62091-10 1/10	Y	1147.47778	1149.21240	1145.74316	0.21378		10/14/10	07:55	
62091-11 1/10	Ag	3.24769	2.70086	3.79452	23.81188	ug/L	10/14/10	08:00	
62091-11 1/10	Al	455.69482	457.53372	453.85589	0.57069	ug/L	10/14/10	08:00	
62091-11 1/10	2Al	0.45570	0.45754	0.45386	0.57070	mg/L	10/14/10	08:00	
62091-11 1/10	As	1.18917	4.65909	-2.28074	412.65774	ug/L	10/14/10	08:00	
62091-11 1/10	B	3.13068	3.58286	2.67850	20.42619	ug/L	10/14/10	08:00	
62091-11 1/10	Ba	1.90912	1.90154	1.91669	0.56121	ug/L	10/14/10	08:00	
62091-11 1/10	Be	0.01803	-0.00053	0.03660	145.59819	ug/L	10/14/10	08:00	
62091-11 1/10	Ca	373.75070	376.52749	370.97390	1.05069	ug/L	10/14/10	08:00	
62091-11 1/10	Cd	-0.71954	-0.91788	-0.52120	38.98177	ug/L	10/14/10	08:00	
62091-11 1/10	Co	-0.38529	-0.65334	-0.11723	98.38909	ug/L	10/14/10	08:00	
62091-11 1/10	Cr	20.44821	20.51448	20.38194	0.45834	ug/L	10/14/10	08:00	
62091-11 1/10	Cu	0.49507	1.02062	-0.03048	150.12823	ug/L	10/14/10	08:00	
62091-11 1/10	Fe	95.72811	105.97465	85.48157	15.13745	ug/L	10/14/10	08:00	
62091-11 1/10	2Fe	0.09571	0.10595	0.08546	15.13734	mg/L	10/14/10	08:00	
62091-11 1/10	K	7516.81738	7527.30859	7506.32617	0.19738	ug/L	10/14/10	08:00	
62091-11 1/10	Mg	410.20861	416.90374	403.51348	2.30817	ug/L	10/14/10	08:00	
62091-11 1/10	2Mg	0.43772	0.44455	0.43089	2.20600	mg/L	10/14/10	08:00	
62091-11 1/10	Mn	60348.42187	60646.32812	60050.51562	0.69811	ug/L	10/14/10	08:00	
62091-11 1/10	Mo	-4.30178	-4.76974	-3.83382	15.38433	ug/L	10/14/10	08:00	
62091-11 1/10	Na	537438.06250	542804.43750	532071.68750	1.41210	ug/L	10/14/10	08:00	
62091-11 1/10	Ni	2.07161	1.86355	2.27966	14.20300	ug/L	10/14/10	08:00	
62091-11 1/10	Pb	3.86852	4.18207	3.55497	11.46250	ug/L	10/14/10	08:00	
62091-11 1/10	Se	14.46752	8.81661	20.11843	55.23817	ug/L	10/14/10	08:00	
62091-11 1/10	Sb	-4.48459	-3.37127	-5.59792	35.10854	ug/L	10/14/10	08:00	
62091-11 1/10	Sn	-16.04393	-16.01080	-16.07705	0.29197	ug/L	10/14/10	08:00	
62091-11 1/10	Sr	0.65036	0.68218	0.61854	6.91894	ug/L	10/14/10	08:00	
62091-11 1/10	Ti	-0.35001	-0.26225	-0.43778	35.46098	ug/L	10/14/10	08:00	
62091-11 1/10	Tl	-2.81440	-11.36277	5.73396	429.54782	ug/L	10/14/10	08:00	
62091-11 1/10	V	-11.08764	-12.42470	-9.75058	17.05404	ug/L	10/14/10	08:00	
62091-11 1/10	Zn	3.60077	3.69193	3.50961	3.58029	ug/L	10/14/10	08:00	
62091-11 1/10	2203/1	-3.92113	-9.59167	1.74940	204.51622	ug/L	10/14/10	08:00	
62091-11 1/10	2203/2	7.75751	11.05863	4.45640	60.18005	ug/L	10/14/10	08:00	
62091-11 1/10	1960/1	23.35352	15.02341	31.68362	50.44440	ug/L	10/14/10	08:00	
62091-11 1/10	1960/2	10.03118	5.71785	14.34450	60.80999	ug/L	10/14/10	08:00	
62091-11 1/10	Y	1082.65075	1083.42358	1081.87792	0.10095		10/14/10	08:00	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62091-12	Ag	0.10923	1.37482	-1.15634	1638.42541	ug/L	10/14/10	08:05	
62091-12	Al	2643.44189	2635.63208	2651.25170	0.41781	ug/L	10/14/10	08:05	
62091-12	2Al	2.64340	2.63548	2.65133	0.42389	mg/L	10/14/10	08:05	
62091-12	As	-2.21623	-0.18601	-4.24646	129.55175	ug/L	10/14/10	08:05	
62091-12	B	235.71890	234.03646	237.40135	1.00939	ug/L	10/14/10	08:05	
62091-12	Ba	2.25859	2.55668	1.96051	18.66452	ug/L	10/14/10	08:05	
62091-12	Be	0.11318	0.15352	0.07283	50.41685	ug/L	10/14/10	08:05	
62091-12	Ca	349.94720	352.23559	347.65881	0.92478	ug/L	10/14/10	08:05	
62091-12	Cd	-0.40629	-0.07478	-0.73780	115.39189	ug/L	10/14/10	08:05	
62091-12	Co	0.09010	0.22867	-0.04845	217.46347	ug/L	10/14/10	08:05	
62091-12	Cr	15.19212	14.91946	15.46479	2.53817	ug/L	10/14/10	08:05	
62091-12	Cu	1.01431	0.78023	1.24838	32.63579	ug/L	10/14/10	08:05	
62091-12	Fe	-37.79212	-7.10558	-68.47866	114.83163	ug/L	10/14/10	08:05	
62091-12	2Fe	-0.03778	-0.00710	-0.06847	114.82948	mg/L	10/14/10	08:05	
62091-12	K	135485.34375	135326.98437	135643.71875	0.16530	ug/L	10/14/10	08:05	
62091-12	Mg	449.88409	449.19595	450.57223	0.21631	ug/L	10/14/10	08:05	
62091-12	2Mg	0.46139	0.46072	0.46207	0.20690	mg/L	10/14/10	08:05	
62091-12	Mn	25391.08593	25430.95507	25351.21484	0.22206	ug/L	10/14/10	08:05	
62091-12	Mo	-4.24406	-3.72633	-4.76178	17.25167	ug/L	10/14/10	08:05	
62091-12	Na	9530530.00000	9526238.00000	9534821.00000	0.06368	ug/L	10/14/10	08:05	
62091-12	Ni	5.24947	5.60025	4.89869	9.44995	ug/L	10/14/10	08:05	
62091-12	Pb	0.54438	0.47065	0.61812	19.15535	ug/L	10/14/10	08:05	
62091-12	Se	1.24837	7.00482	-4.50806	652.11248	ug/L	10/14/10	08:05	
62091-12	Sb	-8.76255	-3.09935	-14.42576	91.39999	ug/L	10/14/10	08:05	
62091-12	Sn	-11.71650	-6.22440	-17.20861	66.29118	ug/L	10/14/10	08:05	
62091-12	Sr	2.30111	2.28094	2.32128	1.23937	ug/L	10/14/10	08:05	
62091-12	Ti	0.17066	-0.04129	0.38263	175.64361	ug/L	10/14/10	08:05	
62091-12	Tl	-4.21166	0.65153	-9.07487	163.29888	ug/L	10/14/10	08:05	
62091-12	V	-8.34723	-6.97480	-9.71967	23.25222	ug/L	10/14/10	08:05	
62091-12	Zn	8.43169	8.38274	8.48063	0.82091	ug/L	10/14/10	08:05	
62091-12	2203/1	-8.73836	0.59091	-18.06764	150.98466	ug/L	10/14/10	08:05	
62091-12	2203/2	5.17880	0.41061	9.94700	130.20848	ug/L	10/14/10	08:05	
62091-12	1960/1	0.51384	10.48356	-9.45586	2743.85791	ug/L	10/14/10	08:05	
62091-12	1960/2	1.61509	5.26805	-2.03787	319.86199	ug/L	10/14/10	08:05	
62091-12	Y	890.40417	887.60278	893.20556	0.44494		10/14/10	08:05	
62091-13 1/10	Ag	3.65704	3.87925	3.43483	8.59315	ug/L	10/14/10	08:11	
62091-13 1/10	Al	339.01251	334.36370	343.66134	1.93928	ug/L	10/14/10	08:11	
62091-13 1/10	2Al	0.33902	0.33437	0.34367	1.93928	mg/L	10/14/10	08:11	
62091-13 1/10	As	2.30044	2.11161	2.48927	11.60827	ug/L	10/14/10	08:11	
62091-13 1/10	B	-5.33567	-4.68800	-5.98334	17.16652	ug/L	10/14/10	08:11	
62091-13 1/10	Ba	0.29768	0.21269	0.38267	40.37736	ug/L	10/14/10	08:11	
62091-13 1/10	Be	0.02131	0.01921	0.02342	13.97936	ug/L	10/14/10	08:11	
62091-13 1/10	Ca	326.75848	326.06997	327.44702	0.29799	ug/L	10/14/10	08:11	
62091-13 1/10	Cd	-0.36113	-0.49113	-0.23114	50.90675	ug/L	10/14/10	08:11	
62091-13 1/10	Co	0.44773	0.51827	0.37718	22.28288	ug/L	10/14/10	08:11	
62091-13 1/10	Cr	22.26699	22.41535	22.11864	0.94221	ug/L	10/14/10	08:11	
62091-13 1/10	Cu	-0.24835	0.08669	-0.58339	190.79083	ug/L	10/14/10	08:11	
62091-13 1/10	Fe	597.01904	601.79901	592.23907	1.13227	ug/L	10/14/10	08:11	
62091-13 1/10	2Fe	0.59694	0.60172	0.59216	1.13227	mg/L	10/14/10	08:11	
62091-13 1/10	K	1379.10620	1375.47619	1382.73620	0.37224	ug/L	10/14/10	08:11	
62091-13 1/10	Mg	680.87457	679.69177	682.05737	0.24567	ug/L	10/14/10	08:11	
62091-13 1/10	2Mg	0.71043	0.70922	0.71164	0.24109	mg/L	10/14/10	08:11	
62091-13 1/10	Mn	65173.32812	65112.63281	65234.02734	0.13170	ug/L	10/14/10	08:11	
62091-13 1/10	Mo	-2.20829	-0.61469	-3.80189	102.05552	ug/L	10/14/10	08:11	
62091-13 1/10	Na	125992.91406	126507.96093	125477.86718	0.57811	ug/L	10/14/10	08:11	
62091-13 1/10	Ni	1.89684	1.98506	1.80862	6.57735	ug/L	10/14/10	08:11	
62091-13 1/10	Pb	5.82725	5.36405	6.29046	11.24143	ug/L	10/14/10	08:11	
62091-13 1/10	Se	13.83858	12.46279	15.21437	14.05971	ug/L	10/14/10	08:11	
62091-13 1/10	Sb	-9.94985	-6.86517	-13.03452	43.84372	ug/L	10/14/10	08:11	
62091-13 1/10	Sn	-17.12115	-18.11634	-16.12596	8.22031	ug/L	10/14/10	08:11	
62091-13 1/10	Sr	2.18410	2.17845	2.18974	0.36569	ug/L	10/14/10	08:11	
62091-13 1/10	Ti	0.78303	0.60901	0.95706	31.42949	ug/L	10/14/10	08:11	
62091-13 1/10	Tl	-2.12537	-4.41375	0.16300	152.26774	ug/L	10/14/10	08:11	
62091-13 1/10	V	-10.67709	-10.92180	-10.43238	3.24125	ug/L	10/14/10	08:11	
62091-13 1/10	Zn	2.48902	2.35658	2.62147	7.52529	ug/L	10/14/10	08:11	
62091-13 1/10	2203/1	0.80161	1.26003	0.34319	80.87496	ug/L	10/14/10	08:11	
62091-13 1/10	2203/2	8.33631	7.41298	9.25963	15.66372	ug/L	10/14/10	08:11	
62091-13 1/10	1960/1	24.08350	27.66930	20.49770	21.05628	ug/L	10/14/10	08:11	
62091-13 1/10	1960/2	8.72380	4.87093	12.57667	62.45879	ug/L	10/14/10	08:11	
62091-13 1/10	Y	1114.61279	1119.03955	1110.18591	0.56167		10/14/10	08:11	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62091-14 1/10	Ag	3.32465	3.74708	2.90223	17.96870	ug/L	10/14/10	08:16	
62091-14 1/10	Al	461.48767	466.02447	456.95089	1.39028	ug/L	10/14/10	08:16	
62091-14 1/10	2Al	0.46150	0.46603	0.45696	1.39028	mg/L	10/14/10	08:16	
62091-14 1/10	As	-1.88587	0.21206	-3.98381	157.32403	ug/L	10/14/10	08:16	
62091-14 1/10	B	4.56815	4.36743	4.76888	6.21408	ug/L	10/14/10	08:16	
62091-14 1/10	Ba	2.43797	2.42069	2.45524	1.00214	ug/L	10/14/10	08:16	
62091-14 1/10	Be	0.04038	0.03652	0.04425	13.53517	ug/L	10/14/10	08:16	
62091-14 1/10	Ca	2347.07324	2351.48876	2342.65747	0.26606	ug/L	10/14/10	08:16	
62091-14 1/10	Cd	-0.41613	-0.27598	-0.55628	47.62884	ug/L	10/14/10	08:16	
62091-14 1/10	Co	0.64343	0.42020	0.86667	49.06441	ug/L	10/14/10	08:16	
62091-14 1/10	Cr	15.59920	16.25453	14.94387	5.94118	ug/L	10/14/10	08:16	
62091-14 1/10	Cu	0.85531	1.17719	0.53342	53.22248	ug/L	10/14/10	08:16	
62091-14 1/10	Fe	41.19204	48.70661	33.67748	25.79915	ug/L	10/14/10	08:16	
62091-14 1/10	2Fe	0.04118	0.04869	0.03367	25.79949	mg/L	10/14/10	08:16	
62091-14 1/10	K	11351.76367	11351.85742	11351.66992	0.00116	ug/L	10/14/10	08:16	
62091-14 1/10	Mg	653.44946	652.57305	654.32592	0.18968	ug/L	10/14/10	08:16	
62091-14 1/10	2Mg	0.67424	0.67339	0.67509	0.17817	mg/L	10/14/10	08:16	
62091-14 1/10	Mn	45806.35937	45867.43359	45745.28125	0.18856	ug/L	10/14/10	08:16	
62091-14 1/10	Mo	-3.44220	-2.66003	-4.22437	32.13507	ug/L	10/14/10	08:16	
62091-14 1/10	Na	570080.68750	571101.06250	569060.31250	0.25312	ug/L	10/14/10	08:16	
62091-14 1/10	Ni	2.16643	2.20664	2.12623	2.62446	ug/L	10/14/10	08:16	
62091-14 1/10	Pb	4.40768	2.13315	6.68221	72.97867	ug/L	10/14/10	08:16	
62091-14 1/10	Se	12.65029	13.09000	12.21058	4.91563	ug/L	10/14/10	08:16	
62091-14 1/10	Sb	-5.44661	-2.46487	-8.42836	77.42105	ug/L	10/14/10	08:16	
62091-14 1/10	Sn	-11.75596	-9.45367	-14.05824	27.69594	ug/L	10/14/10	08:16	
62091-14 1/10	Sr	5.48686	5.48928	5.48444	0.06235	ug/L	10/14/10	08:16	
62091-14 1/10	Ti	-0.53153	-0.44398	-0.61909	23.29444	ug/L	10/14/10	08:16	
62091-14 1/10	Tl	2.99418	2.78953	3.19884	9.66629	ug/L	10/14/10	08:16	
62091-14 1/10	V	-9.68231	-9.61170	-9.75291	1.03127	ug/L	10/14/10	08:16	
62091-14 1/10	Zn	3.44014	3.38011	3.50017	2.46778	ug/L	10/14/10	08:16	
62091-14 1/10	2203/1	-1.56607	-3.27129	0.13914	153.98645	ug/L	10/14/10	08:16	
62091-14 1/10	2203/2	7.39008	4.83133	9.94884	48.96601	ug/L	10/14/10	08:16	
62091-14 1/10	1960/1	18.87727	20.58680	17.16775	12.80711	ug/L	10/14/10	08:16	
62091-14 1/10	1960/2	9.54146	9.34722	9.73571	2.87909	ug/L	10/14/10	08:16	
62091-14 1/10	Y	1081.87377	1081.39916	1082.34838	0.06204		10/14/10	08:16	
CCV	Ag	462.77615	463.48431	462.06799	0.21640	ug/L	10/14/10	08:24	
CCV	Al	4678.90869	4693.15380	4664.66357	0.43056	ug/L	10/14/10	08:24	
CCV	2Al	4.67855	4.69270	4.66439	0.42786	mg/L	10/14/10	08:24	
CCV	As	479.62731	479.51150	479.74310	0.03414	ug/L	10/14/10	08:24	
CCV	B	4742.91894	4743.00341	4742.83447	0.00251	ug/L	10/14/10	08:24	
CCV	Ba	4657.53466	4664.45068	4650.61865	0.20999	ug/L	10/14/10	08:24	
CCV	Be	482.10321	481.95010	482.25634	0.04491	ug/L	10/14/10	08:24	
CCV	Ca	4985.36083	4986.93457	4983.78710	0.04464	ug/L	10/14/10	08:24	
CCV	Cd	492.17626	491.94131	492.41122	0.06751	ug/L	10/14/10	08:24	
CCV	Co	487.79214	488.88235	486.70193	0.31607	ug/L	10/14/10	08:24	
CCV	Cr	4818.64355	4822.15136	4815.13525	0.10295	ug/L	10/14/10	08:24	
CCV	Cu	4610.86523	4617.38232	4604.34814	0.19988	ug/L	10/14/10	08:24	
CCV	Fe	4856.16308	4845.32031	4867.00585	0.31576	ug/L	10/14/10	08:24	
CCV	2Fe	4.85616	4.84531	4.86700	0.31570	mg/L	10/14/10	08:24	
CCV	K	8901.03710	8912.52539	8889.54882	0.18252	ug/L	10/14/10	08:24	
CCV	Mg	5056.06054	5062.21484	5049.90576	0.17214	ug/L	10/14/10	08:24	
CCV	2Mg	5.05604	5.06219	5.04988	0.17223	mg/L	10/14/10	08:24	
CCV	Mn	4938.18652	4944.56494	4931.80761	0.18267	ug/L	10/14/10	08:24	
CCV	Mo	479.28698	478.79748	479.77645	0.14443	ug/L	10/14/10	08:24	
CCV	Na	7210.48730	7055.54345	7365.43066	3.03895	ug/L	10/14/10	08:24	
CCV	Ni	2460.02490	2458.54443	2461.50512	0.08510	ug/L	10/14/10	08:24	
CCV	Pb	501.33004	499.63479	503.02529	0.47821	ug/L	10/14/10	08:24	
CCV	Se	4806.20703	4817.11230	4795.30175	0.32088	ug/L	10/14/10	08:24	
CCV	Sb	465.08233	459.43179	470.73291	1.71821	ug/L	10/14/10	08:24	
CCV	Sn	4896.92529	4893.90576	4899.94482	0.08720	ug/L	10/14/10	08:24	
CCV	Sr	2303.52197	2307.88671	2299.15747	0.26795	ug/L	10/14/10	08:24	
CCV	Ti	471.96676	472.28399	471.64953	0.09505	ug/L	10/14/10	08:24	
CCV	Tl	4798.11230	4811.96386	4784.26074	0.40826	ug/L	10/14/10	08:24	
CCV	V	4818.06396	4820.27587	4815.85205	0.06492	ug/L	10/14/10	08:24	
CCV	Zn	2538.65234	2539.81005	2537.49487	0.06448	ug/L	10/14/10	08:24	
CCV	2203/1	514.03662	511.38589	516.68731	0.72926	ug/L	10/14/10	08:24	
CCV	2203/2	494.98629	493.76806	496.20452	0.34805	ug/L	10/14/10	08:24	
CCV	1960/1	4917.95410	4926.62011	4909.28857	0.24919	ug/L	10/14/10	08:24	
CCV	1960/2	4750.41699	4762.44042	4738.39404	0.35793	ug/L	10/14/10	08:24	
CCV	Y	1122.07202	1119.43432	1124.70959	0.33243		10/14/10	08:24	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.54478	-0.66599	-0.42357	31.46415	ug/L	10/14/10	08:33	
CCB	Al	-13.30596	-12.49314	-14.11879	8.63901	ug/L	10/14/10	08:33	
CCB	2Al	-0.01330	-0.01249	-0.01411	8.63903	mg/L	10/14/10	08:33	
CCB	As	1.33964	-0.25997	2.93927	168.86637	ug/L	10/14/10	08:33	
CCB	B	2.88306	3.11526	2.65085	11.39038	ug/L	10/14/10	08:33	
CCB	Ba	0.08930	-0.09569	0.27431	292.96313	ug/L	10/14/10	08:33	
CCB	Be	-0.00698	-0.03065	0.01668	479.25030	ug/L	10/14/10	08:33	
CCB	Ca	6.69656	7.23417	6.15896	11.35340	ug/L	10/14/10	08:33	
CCB	Cd	-0.29392	-0.10789	-0.47995	89.50935	ug/L	10/14/10	08:33	
CCB	Co	0.09149	0.21449	-0.03150	190.11900	ug/L	10/14/10	08:33	
CCB	Cr	0.88509	0.66605	1.10413	34.99828	ug/L	10/14/10	08:33	
CCB	Cu	0.30849	-0.10152	0.71851	187.96505	ug/L	10/14/10	08:33	
CCB	Fe	-34.64994	-29.03932	-40.26056	22.89936	ug/L	10/14/10	08:33	
CCB	2Fe	-0.03464	-0.02903	-0.04025	22.89944	mg/L	10/14/10	08:33	
CCB	K	-39.13641	-43.86169	-34.41112	17.07505	ug/L	10/14/10	08:33	
CCB	Mg	7.82828	6.39586	9.26071	25.87730	ug/L	10/14/10	08:33	
CCB	2Mg	0.00783	0.00640	0.00926	25.87083	mg/L	10/14/10	08:33	
CCB	Mn	4.91640	4.51971	5.31310	11.41092	ug/L	10/14/10	08:33	
CCB	Mo	-3.26457	-3.03411	-3.49502	9.98329	ug/L	10/14/10	08:33	
CCB	Na	-207.08984	-207.42408	-206.75558	0.22825	ug/L	10/14/10	08:33	
CCB	Ni	-0.01358	-0.46054	0.43338	4654.18896	ug/L	10/14/10	08:33	
CCB	Pb	1.62299	1.28405	1.96193	29.53414	ug/L	10/14/10	08:33	
CCB	Se	-3.99973	-5.20960	-2.78986	42.77824	ug/L	10/14/10	08:33	
CCB	Sb	-7.41130	-10.47369	-4.34891	58.43602	ug/L	10/14/10	08:33	
CCB	Sn	-7.54582	-8.67429	-6.41735	21.14938	ug/L	10/14/10	08:33	
CCB	Sr	0.17587	0.07791	0.27383	78.76798	ug/L	10/14/10	08:33	
CCB	Ti	-0.06040	-0.17764	0.05684	274.51693	ug/L	10/14/10	08:33	
CCB	Tl	-0.11075	0.63803	-0.85953	956.15063	ug/L	10/14/10	08:33	
CCB	V	-1.36647	-1.39293	-1.34002	2.73767	ug/L	10/14/10	08:33	
CCB	Zn	0.84538	0.56677	1.12400	46.60873	ug/L	10/14/10	08:33	
CCB	2203/1	-4.30268	-5.21856	-3.38680	30.10330	ug/L	10/14/10	08:33	
CCB	2203/2	4.58138	4.53048	4.63229	1.57141	ug/L	10/14/10	08:33	
CCB	1960/1	-4.44058	-7.46841	-1.41275	96.42869	ug/L	10/14/10	08:33	
CCB	1960/2	-3.77963	-4.08188	-3.47738	11.30928	ug/L	10/14/10	08:33	
CCB	Y	1117.66198	1122.91198	1112.41198	0.66429		10/14/10	08:33	
62091-2	Ag	58.27471	58.33882	58.21062	0.15555	ug/L	10/14/10	08:38	
62091-2	Al	51898.83593	51826.10156	51971.57031	0.19819	ug/L	10/14/10	08:38	
62091-2	2Al	51.89814	51.82764	51.96864	0.19210	mg/L	10/14/10	08:38	
62091-2	As	17.97375	19.74985	16.19766	13.97471	ug/L	10/14/10	08:38	
62091-2	B	-42.49855	-43.47689	-41.52022	3.25557	ug/L	10/14/10	08:38	
62091-2	Ba	210.72622	210.49569	210.95675	0.15471	ug/L	10/14/10	08:38	
62091-2	Be	1.26253	1.29619	1.22886	3.77111	ug/L	10/14/10	08:38	
62091-2	Ca	4622.22070	4619.73291	4624.70898	0.07612	ug/L	10/14/10	08:38	
62091-2	Cd	0.97600	1.10422	0.84777	18.57979	ug/L	10/14/10	08:38	
62091-2	Co	50.53870	50.71993	50.35746	0.50714	ug/L	10/14/10	08:38	
62091-2	Cr	327.50515	328.19277	326.81753	0.29692	ug/L	10/14/10	08:38	
62091-2	Cu	106.80110	106.40973	107.19245	0.51822	ug/L	10/14/10	08:38	
62091-2	Fe	119573.96875	119496.89843	119651.03906	0.09115	ug/L	10/14/10	08:38	
62091-2	2Fe	119.55409	119.48184	119.62635	0.08546	mg/L	10/14/10	08:38	
62091-2	K	25048.43750	24986.61523	25110.25781	0.34903	ug/L	10/14/10	08:38	
62091-2	Mg	4556.13281	4560.78369	4551.48242	0.14435	ug/L	10/14/10	08:38	
62091-2	2Mg	4.67230	4.67677	4.66783	0.13525	mg/L	10/14/10	08:38	
62091-2	Mn	302285.40625	301863.31250	302707.50000	0.19747	ug/L	10/14/10	08:38	
62091-2	Mo	-5.97425	-5.19131	-6.75719	18.53361	ug/L	10/14/10	08:38	
62091-2	Na	1374641.50000	1374867.00000	1374415.87500	0.02320	ug/L	10/14/10	08:38	
62091-2	Ni	286.25219	286.95175	285.55264	0.34561	ug/L	10/14/10	08:38	
62091-2	Pb	95.87977	96.20429	95.55524	0.47867	ug/L	10/14/10	08:38	
62091-2	Se	317.04946	315.76858	318.33035	0.57134	ug/L	10/14/10	08:38	
62091-2	Sb	-8.79710	-6.74235	-10.85185	33.03191	ug/L	10/14/10	08:38	
62091-2	Sn	-135.44979	-134.57550	-136.32408	0.91283	ug/L	10/14/10	08:38	
62091-2	Sr	41.97480	41.93238	42.01721	0.14290	ug/L	10/14/10	08:38	
62091-2	Ti	189.28237	188.86262	189.70211	0.31361	ug/L	10/14/10	08:38	
62091-2	Tl	-466.33355	-461.89923	-470.76785	1.34475	ug/L	10/14/10	08:38	
62091-2	V	759.71740	760.76806	758.66680	0.19557	ug/L	10/14/10	08:38	
62091-2	Zn	406.88983	407.16662	406.61306	0.09619	ug/L	10/14/10	08:38	
62091-2	2203/1	74.44401	74.41541	74.47261	0.05432	ug/L	10/14/10	08:38	
62091-2	2203/2	106.58158	107.08241	106.08075	0.66454	ug/L	10/14/10	08:38	
62091-2	1960/1	468.56903	466.51974	470.61828	0.61850	ug/L	10/14/10	08:38	
62091-2	1960/2	241.40325	240.50599	242.30053	0.52564	ug/L	10/14/10	08:38	
62091-2	Y	1036.12731	1038.17272	1034.08190	0.27917		10/14/10	08:38	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62091-3	Ag	29.55813	29.97487	29.14139	1.99390	ug/L	10/14/10	08:45	
62091-3	Al	5481.83593	5476.91210	5486.76025	0.12703	ug/L	10/14/10	08:45	
62091-3	2Al	5.48168	5.47665	5.48671	0.12978	mg/L	10/14/10	08:45	
62091-3	As	4.11610	5.89778	2.33442	61.21501	ug/L	10/14/10	08:45	
62091-3	B	-0.02918	0.27130	-0.32967	1456.14721	ug/L	10/14/10	08:45	
62091-3	Ba	19.15545	19.16021	19.15069	0.03514	ug/L	10/14/10	08:45	
62091-3	Be	0.14679	0.16708	0.12651	19.53783	ug/L	10/14/10	08:45	
62091-3	Ca	7643.23486	7650.76611	7635.70361	0.13934	ug/L	10/14/10	08:45	
62091-3	Cd	-0.15367	-0.16733	-0.14000	12.57607	ug/L	10/14/10	08:45	
62091-3	Co	1.95481	2.12521	1.78441	12.32768	ug/L	10/14/10	08:45	
62091-3	Cr	138.04452	138.85290	137.23612	0.82816	ug/L	10/14/10	08:45	
62091-3	Cu	3.38958	3.49468	3.28448	4.38507	ug/L	10/14/10	08:45	
62091-3	Fe	1787.91040	1783.13452	1792.68615	0.37776	ug/L	10/14/10	08:45	
62091-3	2Fe	1.78770	1.78292	1.79247	0.37777	mg/L	10/14/10	08:45	
62091-3	K	60387.89843	60271.98046	60503.81250	0.27146	ug/L	10/14/10	08:45	
62091-3	Mg	9940.87109	9971.38769	9910.35546	0.43412	ug/L	10/14/10	08:45	
62091-3	2Mg	10.06896	10.10028	10.03764	0.43992	mg/L	10/14/10	08:45	
62091-3	Mn	286410.25000	288186.37500	284634.12500	0.87700	ug/L	10/14/10	08:45	
62091-3	Mo	-2.35450	-0.81186	-3.89715	92.65751	ug/L	10/14/10	08:45	
62091-3	Na	3548191.25000	3560851.50000	3535531.00000	0.50460	ug/L	10/14/10	08:45	
62091-3	Ni	22.65377	23.09256	22.21499	2.73923	ug/L	10/14/10	08:45	
62091-3	Pb	36.89062	38.14579	35.63544	4.81175	ug/L	10/14/10	08:45	
62091-3	Se	149.36093	150.40783	148.31401	0.99126	ug/L	10/14/10	08:45	
62091-3	Sb	-5.77806	-8.31308	-3.24305	62.04589	ug/L	10/14/10	08:45	
62091-3	Sn	-76.35689	-81.46952	-71.24426	9.46915	ug/L	10/14/10	08:45	
62091-3	Sr	52.95956	53.04391	52.87521	0.22524	ug/L	10/14/10	08:45	
62091-3	Ti	1.99377	2.11446	1.87308	8.56094	ug/L	10/14/10	08:45	
62091-3	Tl	-139.28237	-144.78181	-133.78292	5.58389	ug/L	10/14/10	08:45	
62091-3	V	184.70466	182.48861	186.92071	1.69674	ug/L	10/14/10	08:45	
62091-3	Zn	26.43280	26.62522	26.24038	1.02950	ug/L	10/14/10	08:45	
62091-3	2203/1	21.56532	24.55857	18.57207	19.62916	ug/L	10/14/10	08:45	
62091-3	2203/2	44.54178	44.92922	44.15434	1.23013	ug/L	10/14/10	08:45	
62091-3	1960/1	222.69873	225.15765	220.23979	1.56150	ug/L	10/14/10	08:45	
62091-3	1960/2	112.74700	113.08895	112.40504	0.42892	ug/L	10/14/10	08:45	
62091-3	Y	961.06079	956.69274	965.42877	0.64275		10/14/10	08:45	
62091-6	Ag	35.11896	35.74721	34.49070	2.52993	ug/L	10/14/10	08:52	
62091-6	Al	8379.12890	8390.14355	8368.11328	0.18591	ug/L	10/14/10	08:52	
62091-6	2Al	8.37891	8.39039	8.36744	0.19365	mg/L	10/14/10	08:52	
62091-6	As	8.23514	5.00150	11.46877	55.53089	ug/L	10/14/10	08:52	
62091-6	B	10.98731	10.17892	11.79571	10.40511	ug/L	10/14/10	08:52	
62091-6	Ba	37.68024	37.80148	37.55900	0.45504	ug/L	10/14/10	08:52	
62091-6	Be	1.18088	1.20581	1.15596	2.98447	ug/L	10/14/10	08:52	
62091-6	Ca	23184.82031	23206.24414	23163.39453	0.13068	ug/L	10/14/10	08:52	
62091-6	Cd	0.23457	0.50777	-0.03863	164.71244	ug/L	10/14/10	08:52	
62091-6	Co	15.88387	15.61809	16.14965	2.36633	ug/L	10/14/10	08:52	
62091-6	Cr	184.52072	184.15184	184.88960	0.28271	ug/L	10/14/10	08:52	
62091-6	Cu	8.61562	8.43748	8.79375	2.92400	ug/L	10/14/10	08:52	
62091-6	Fe	9214.88769	9235.48242	9194.29296	0.31606	ug/L	10/14/10	08:52	
62091-6	2Fe	9.21318	9.23434	9.19203	0.32475	mg/L	10/14/10	08:52	
62091-6	K	43084.78125	43200.91015	42968.65625	0.38117	ug/L	10/14/10	08:52	
62091-6	Mg	8508.24023	8502.67382	8513.80664	0.09252	ug/L	10/14/10	08:52	
62091-6	2Mg	8.63362	8.62833	8.63892	0.08676	mg/L	10/14/10	08:52	
62091-6	Mn	282475.75000	283070.75000	281880.75000	0.29788	ug/L	10/14/10	08:52	
62091-6	Mo	-4.16198	-3.12421	-5.19975	35.26262	ug/L	10/14/10	08:52	
62091-6	Na	1658947.50000	1665717.00000	1652178.12500	0.57707	ug/L	10/14/10	08:52	
62091-6	Ni	96.45130	96.90158	96.00101	0.66023	ug/L	10/14/10	08:52	
62091-6	Pb	46.46604	47.75498	45.17709	3.92296	ug/L	10/14/10	08:52	
62091-6	Se	179.26150	181.76832	176.75468	1.97765	ug/L	10/14/10	08:52	
62091-6	Sb	-5.35005	-0.28203	-10.41806	133.96609	ug/L	10/14/10	08:52	
62091-6	Sn	-85.25894	-84.69828	-85.81959	0.92997	ug/L	10/14/10	08:52	
62091-6	Sr	70.95577	71.01433	70.89720	0.11672	ug/L	10/14/10	08:52	
62091-6	Ti	5.21112	5.02242	5.39982	5.12101	ug/L	10/14/10	08:52	
62091-6	Tl	-194.80014	-179.44923	-210.15106	11.14448	ug/L	10/14/10	08:52	
62091-6	V	304.23175	306.12298	302.34048	0.87914	ug/L	10/14/10	08:52	
62091-6	Zn	107.93675	108.06635	107.80716	0.16979	ug/L	10/14/10	08:52	
62091-6	2203/1	34.23929	39.59625	28.88234	22.12625	ug/L	10/14/10	08:52	
62091-6	2203/2	52.57025	51.82824	53.31225	1.99610	ug/L	10/14/10	08:52	
62091-6	1960/1	272.78179	281.43838	264.12518	4.48793	ug/L	10/14/10	08:52	
62091-6	1960/2	132.57147	132.00799	133.13493	0.60108	ug/L	10/14/10	08:52	
62091-6	Y	1095.98583	1092.47033	1099.50122	0.45361		10/14/10	08:52	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62091-10	Ag	41.09571	40.25212	41.93929	2.90299	ug/L	10/14/10	08:58	
62091-10	Al	23756.62109	23779.06054	23734.17968	0.13358	ug/L	10/14/10	08:58	
62091-10	2Al	23.75600	23.77820	23.73380	0.13217	mg/L	10/14/10	08:58	
62091-10	As	14.22006	13.83694	14.60318	3.81021	ug/L	10/14/10	08:58	
62091-10	B	23.85469	24.37289	23.33649	3.07214	ug/L	10/14/10	08:58	
62091-10	Ba	271.13006	271.28488	270.97528	0.08074	ug/L	10/14/10	08:58	
62091-10	Be	1.89499	1.87519	1.91479	1.47773	ug/L	10/14/10	08:58	
62091-10	Ca	41566.75390	41468.64453	41664.86328	0.33379	ug/L	10/14/10	08:58	
62091-10	Cd	1.57350	1.35330	1.79369	19.79049	ug/L	10/14/10	08:58	
62091-10	Co	50.69441	50.06159	51.32723	1.76536	ug/L	10/14/10	08:58	
62091-10	Cr	250.64506	249.52497	251.76515	0.63198	ug/L	10/14/10	08:58	
62091-10	Cu	219.16296	218.89053	219.43537	0.17578	ug/L	10/14/10	08:58	
62091-10	Fe	46735.38281	46580.08984	46890.67578	0.46991	ug/L	10/14/10	08:58	
62091-10	2Fe	46.72711	46.57135	46.88288	0.47143	mg/L	10/14/10	08:58	
62091-10	K	46987.39062	47030.45703	46944.32421	0.12962	ug/L	10/14/10	08:58	
62091-10	Mg	8798.39453	8756.64941	8840.13867	0.67098	ug/L	10/14/10	08:58	
62091-10	2Mg	8.89859	8.85675	8.94043	0.66498	mg/L	10/14/10	08:58	
62091-10	Mn	242075.70312	241777.32812	242374.07812	0.17431	ug/L	10/14/10	08:58	
62091-10	Mo	-3.82275	-4.21855	-3.42696	14.64228	ug/L	10/14/10	08:58	
62091-10	Na	1429683.25000	1433860.50000	1425506.00000	0.41320	ug/L	10/14/10	08:58	
62091-10	Ni	212.37332	211.00901	213.73762	0.90850	ug/L	10/14/10	08:58	
62091-10	Pb	58.66405	58.24154	59.08655	1.01854	ug/L	10/14/10	08:58	
62091-10	Se	207.66152	206.31373	209.00930	0.91786	ug/L	10/14/10	08:58	
62091-10	Sb	-4.18449	-6.78347	-1.58551	87.83637	ug/L	10/14/10	08:58	
62091-10	Sn	-85.59414	-88.77799	-82.41029	5.26046	ug/L	10/14/10	08:58	
62091-10	Sr	162.80499	163.12840	162.48156	0.28093	ug/L	10/14/10	08:58	
62091-10	Ti	27.86033	27.73699	27.98366	0.62605	ug/L	10/14/10	08:58	
62091-10	Tl	-258.36492	-268.29434	-248.43551	5.43506	ug/L	10/14/10	08:58	
62091-10	V	453.48571	451.18579	455.78561	0.71723	ug/L	10/14/10	08:58	
62091-10	Zn	278.52609	277.40896	279.64321	0.56721	ug/L	10/14/10	08:58	
62091-10	2203/1	52.19512	47.35823	57.03202	13.10543	ug/L	10/14/10	08:58	
62091-10	2203/2	61.89366	63.67503	60.11228	4.07027	ug/L	10/14/10	08:58	
62091-10	1960/1	317.22232	310.92846	323.51617	2.80587	ug/L	10/14/10	08:58	
62091-10	1960/2	152.96325	154.08479	151.84172	1.03691	ug/L	10/14/10	08:58	
62091-10	Y	1297.62768	1293.09594	1302.15954	0.49389		10/14/10	08:58	
62091-13	Ag	42.29973	41.95910	42.64036	1.13883	ug/L	10/14/10	09:05	
62091-13	Al	3507.54394	3499.15234	3515.93530	0.33833	ug/L	10/14/10	09:05	
62091-13	2Al	3.50754	3.49925	3.51583	0.33432	mg/L	10/14/10	09:05	
62091-13	As	7.52838	6.76496	8.29179	14.34085	ug/L	10/14/10	09:05	
62091-13	B	-43.95840	-42.47064	-45.44615	4.78635	ug/L	10/14/10	09:05	
62091-13	Ba	5.83595	5.86116	5.81074	0.61089	ug/L	10/14/10	09:05	
62091-13	Be	0.16220	0.14275	0.18165	16.96017	ug/L	10/14/10	09:05	
62091-13	Ca	3178.56591	3177.18774	3179.94409	0.06131	ug/L	10/14/10	09:05	
62091-13	Cd	-0.67930	-0.47378	-0.88481	42.78493	ug/L	10/14/10	09:05	
62091-13	Co	1.62781	1.63126	1.62435	0.30006	ug/L	10/14/10	09:05	
62091-13	Cr	208.42131	207.58065	209.26196	0.57041	ug/L	10/14/10	09:05	
62091-13	Cu	2.54446	2.50340	2.58553	2.28246	ug/L	10/14/10	09:05	
62091-13	Fe	6274.81933	6275.28369	6274.35546	0.01046	ug/L	10/14/10	09:05	
62091-13	2Fe	6.27406	6.27453	6.27360	0.01046	mg/L	10/14/10	09:05	
62091-13	K	19654.37890	19605.89062	19702.86718	0.34889	ug/L	10/14/10	09:05	
62091-13	Mg	4027.10473	4029.31274	4024.89672	0.07753	ug/L	10/14/10	09:05	
62091-13	2Mg	4.17000	4.17219	4.16780	0.07441	mg/L	10/14/10	09:05	
62091-13	Mn	316811.25000	316782.87500	316839.65625	0.01267	ug/L	10/14/10	09:05	
62091-13	Mo	-2.79863	0.42402	-6.02129	162.84851	ug/L	10/14/10	09:05	
62091-13	Na	1318890.87500	1316509.25000	1321272.50000	0.25537	ug/L	10/14/10	09:05	
62091-13	Ni	24.73516	25.20429	24.26603	2.68218	ug/L	10/14/10	09:05	
62091-13	Pb	59.62503	59.68489	59.56517	0.14197	ug/L	10/14/10	09:05	
62091-13	Se	219.97288	217.37933	222.56643	1.66740	ug/L	10/14/10	09:05	
62091-13	Sb	-13.82835	-11.66421	-15.99249	22.13247	ug/L	10/14/10	09:05	
62091-13	Sn	-103.77310	-103.98704	-103.55915	0.29156	ug/L	10/14/10	09:05	
62091-13	Sr	21.14395	21.18355	21.10434	0.26491	ug/L	10/14/10	09:05	
62091-13	Ti	11.04197	11.02710	11.05685	0.19050	ug/L	10/14/10	09:05	
62091-13	Tl	-274.89660	-279.92163	-269.87161	2.58513	ug/L	10/14/10	09:05	
62091-13	V	433.06896	435.14096	430.99700	0.67661	ug/L	10/14/10	09:05	
62091-13	Zn	19.94789	20.20056	19.69521	1.79134	ug/L	10/14/10	09:05	
62091-13	2203/1	37.07151	39.33146	34.81156	8.62130	ug/L	10/14/10	09:05	
62091-13	2203/2	70.88488	69.84634	71.92342	2.07197	ug/L	10/14/10	09:05	
62091-13	1960/1	334.61819	334.87420	334.36218	0.10819	ug/L	10/14/10	09:05	
62091-13	1960/2	162.73617	158.71997	166.75236	3.49016	ug/L	10/14/10	09:05	
62091-13	Y	1011.58679	1013.98913	1009.18438	0.33585		10/14/10	09:05	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62091-14	Ag	29.25309	29.18645	29.31974	0.32217	ug/L	10/14/10	09:12	
62091-14	Al	4585.10839	4587.87597	4582.34130	0.08535	ug/L	10/14/10	09:12	
62091-14	2Al	4.58503	4.58779	4.58226	0.08532	mg/L	10/14/10	09:12	
62091-14	As	5.01505	3.04384	6.98627	55.58698	ug/L	10/14/10	09:12	
62091-14	B	65.50569	65.52313	65.48825	0.03765	ug/L	10/14/10	09:12	
62091-14	Ba	25.89453	25.84655	25.94252	0.26205	ug/L	10/14/10	09:12	
62091-14	Be	0.31535	0.30211	0.32858	5.93660	ug/L	10/14/10	09:12	
62091-14	Ca	21825.45312	21833.18554	21817.71875	0.05010	ug/L	10/14/10	09:12	
62091-14	Cd	-0.43225	-0.50690	-0.35759	24.42594	ug/L	10/14/10	09:12	
62091-14	Co	3.04416	2.64668	3.44164	18.46558	ug/L	10/14/10	09:12	
62091-14	Cr	133.63720	132.98660	134.28781	0.68850	ug/L	10/14/10	09:12	
62091-14	Cu	8.20176	7.99066	8.41285	3.63987	ug/L	10/14/10	09:12	
62091-14	Fe	572.06530	572.46740	571.66314	0.09941	ug/L	10/14/10	09:12	
62091-14	2Fe	0.57201	0.57241	0.57160	0.09931	mg/L	10/14/10	09:12	
62091-14	K	137512.34375	137924.37500	137100.31250	0.42374	ug/L	10/14/10	09:12	
62091-14	Mg	4586.14355	4581.57421	4590.71240	0.14089	ug/L	10/14/10	09:12	
62091-14	2Mg	4.71016	4.70600	4.71433	0.12504	mg/L	10/14/10	09:12	
62091-14	Mn	273770.93750	274651.03125	272890.81250	0.45463	ug/L	10/14/10	09:12	
62091-14	Mo	-2.97999	-2.31178	-3.64821	31.71128	ug/L	10/14/10	09:12	
62091-14	Na	5068706.00000	5058144.50000	5079267.50000	0.29467	ug/L	10/14/10	09:12	
62091-14	Ni	24.57388	23.47007	25.67770	6.35238	ug/L	10/14/10	09:12	
62091-14	Pb	30.90388	32.18415	29.62360	5.85874	ug/L	10/14/10	09:12	
62091-14	Se	138.74679	136.78125	140.71232	2.00342	ug/L	10/14/10	09:12	
62091-14	Sb	-9.88518	-12.48398	-7.28637	37.17953	ug/L	10/14/10	09:12	
62091-14	Sn	-74.53570	-77.28163	-71.78977	5.21002	ug/L	10/14/10	09:12	
62091-14	Sr	52.99372	53.05477	52.93267	0.16293	ug/L	10/14/10	09:12	
62091-14	Ti	0.15917	0.07257	0.24577	76.93920	ug/L	10/14/10	09:12	
62091-14	Tl	-139.52645	-135.99426	-143.05867	3.58017	ug/L	10/14/10	09:12	
62091-14	V	176.65855	174.72856	178.58854	1.54502	ug/L	10/14/10	09:12	
62091-14	Zn	32.22835	31.89271	32.56399	1.47282	ug/L	10/14/10	09:12	
62091-14	2203/1	16.00343	17.15859	14.84827	10.20806	ug/L	10/14/10	09:12	
62091-14	2203/2	38.34293	39.68567	37.00020	4.95244	ug/L	10/14/10	09:12	
62091-14	1960/1	217.02062	215.39132	218.64991	1.06172	ug/L	10/14/10	09:12	
62091-14	1960/2	99.66854	97.53513	101.80194	3.02712	ug/L	10/14/10	09:12	
62091-14	Y	946.72192	940.81677	952.62713	0.88211		10/14/10	09:12	
ccv	Ag	466.00170	466.45666	465.54675	0.13806	ug/L	10/14/10	09:22	
ccv	Al	4728.47167	4731.77636	4725.16699	0.09883	ug/L	10/14/10	09:22	
ccv	2Al	4.72819	4.73150	4.72489	0.09885	mg/L	10/14/10	09:22	
ccv	As	473.43737	469.08358	477.79119	1.30053	ug/L	10/14/10	09:22	
ccv	B	4734.50976	4732.36962	4736.64990	0.06392	ug/L	10/14/10	09:22	
ccv	Ba	4723.55761	4726.81689	4720.29785	0.09758	ug/L	10/14/10	09:22	
ccv	Be	475.66650	475.45175	475.88128	0.06385	ug/L	10/14/10	09:22	
ccv	Ca	4899.33691	4895.14501	4903.52880	0.12100	ug/L	10/14/10	09:22	
ccv	Cd	480.35708	480.18194	480.53222	0.05156	ug/L	10/14/10	09:22	
ccv	Co	479.60583	479.41748	479.79421	0.05554	ug/L	10/14/10	09:22	
ccv	Cr	4762.03906	4762.64404	4761.43408	0.01796	ug/L	10/14/10	09:22	
ccv	Cu	4687.61132	4695.05371	4680.16845	0.22453	ug/L	10/14/10	09:22	
ccv	Fe	4723.98339	4721.27734	4726.68896	0.08100	ug/L	10/14/10	09:22	
ccv	2Fe	4.72399	4.72128	4.72669	0.08099	mg/L	10/14/10	09:22	
ccv	K	9067.09765	9068.97949	9065.21679	0.02934	ug/L	10/14/10	09:22	
ccv	Mg	4923.74023	4913.51660	4933.96435	0.29365	ug/L	10/14/10	09:22	
ccv	2Mg	4.92381	4.91359	4.93404	0.29366	mg/L	10/14/10	09:22	
ccv	Mn	5014.23437	5005.79931	5022.66943	0.23790	ug/L	10/14/10	09:22	
ccv	Mo	471.90701	472.39474	471.41928	0.14616	ug/L	10/14/10	09:22	
ccv	Na	7056.80371	7054.38574	7059.22216	0.04846	ug/L	10/14/10	09:22	
ccv	Ni	2421.10229	2423.14257	2419.06201	0.11917	ug/L	10/14/10	09:22	
ccv	Pb	488.77465	489.80120	487.74813	0.29701	ug/L	10/14/10	09:22	
ccv	Se	4746.20898	4732.08007	4760.33740	0.42098	ug/L	10/14/10	09:22	
ccv	Sb	455.46942	453.27563	457.66317	0.68115	ug/L	10/14/10	09:22	
ccv	Sn	4785.22265	4784.84277	4785.60205	0.01121	ug/L	10/14/10	09:22	
ccv	Sr	2330.46264	2335.59692	2325.32836	0.31156	ug/L	10/14/10	09:22	
ccv	Ti	471.45989	471.04309	471.87673	0.12503	ug/L	10/14/10	09:22	
ccv	Tl	4729.67089	4724.50146	4734.83984	0.15456	ug/L	10/14/10	09:22	
ccv	V	4797.19628	4796.79785	4797.59521	0.01175	ug/L	10/14/10	09:22	
ccv	Zn	2459.54541	2456.01977	2463.07128	0.20272	ug/L	10/14/10	09:22	
ccv	2203/1	493.60253	495.13513	492.06994	0.43910	ug/L	10/14/10	09:22	
ccv	2203/2	486.36434	487.13824	485.59045	0.22502	ug/L	10/14/10	09:22	
ccv	1960/1	4846.71289	4835.59960	4857.82617	0.32427	ug/L	10/14/10	09:22	
ccv	1960/2	4696.03222	4680.39794	4711.66601	0.47082	ug/L	10/14/10	09:22	
ccv	Y	1089.03051	1090.31994	1087.74121	0.16743		10/14/10	09:22	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-1.42280	-1.79233	-1.05326	36.73012	ug/L	10/14/10	09:30	
CCB	Al	-11.03029	-13.67246	-8.38811	33.87578	ug/L	10/14/10	09:30	
CCB	2Al	-0.01103	-0.01367	-0.00838	33.87582	mg/L	10/14/10	09:30	
CCB	As	-1.55380	0.24504	-3.35264	163.72416	ug/L	10/14/10	09:30	
CCB	B	2.69327	2.40133	2.98521	15.32938	ug/L	10/14/10	09:30	
CCB	Ba	0.17288	-0.27801	0.62378	368.84329	ug/L	10/14/10	09:30	
CCB	Be	0.02723	-0.03672	0.09120	332.11575	ug/L	10/14/10	09:30	
CCB	Ca	6.34385	4.72872	7.95898	36.00554	ug/L	10/14/10	09:30	
CCB	Cd	-0.40566	-0.63920	-0.17213	81.41367	ug/L	10/14/10	09:30	
CCB	Co	0.89218	0.67078	1.11357	35.09376	ug/L	10/14/10	09:30	
CCB	Cr	1.40610	1.04441	1.76778	36.37720	ug/L	10/14/10	09:30	
CCB	Cu	0.30177	-0.30737	0.91092	285.46582	ug/L	10/14/10	09:30	
CCB	Fe	-24.76243	-57.89889	8.37402	189.24644	ug/L	10/14/10	09:30	
CCB	2Fe	-0.02475	-0.05789	0.00837	189.24844	mg/L	10/14/10	09:30	
CCB	K	-45.45673	-72.19568	-18.71778	83.18807	ug/L	10/14/10	09:30	
CCB	Mg	12.30100	9.35861	15.24340	33.82792	ug/L	10/14/10	09:30	
CCB	2Mg	0.01230	0.00937	0.01524	33.74604	mg/L	10/14/10	09:30	
CCB	Mn	12.22171	9.86080	14.58261	27.31880	ug/L	10/14/10	09:30	
CCB	Mo	-2.65900	-2.11446	-3.20355	28.96196	ug/L	10/14/10	09:30	
CCB	Na	-64.89874	-413.90692	284.10943	760.52642	ug/L	10/14/10	09:30	
CCB	Ni	0.60477	-0.34513	1.55468	222.12866	ug/L	10/14/10	09:30	
CCB	Pb	3.43901	4.27443	2.60359	34.35480	ug/L	10/14/10	09:30	
CCB	Se	-4.85435	-10.98752	1.27880	178.67672	ug/L	10/14/10	09:30	
CCB	Sb	-9.17457	-11.81731	-6.53182	40.73665	ug/L	10/14/10	09:30	
CCB	Sn	-4.68936	-9.87490	0.49617	156.38481	ug/L	10/14/10	09:30	
CCB	Sr	0.35106	0.13931	0.56280	85.29799	ug/L	10/14/10	09:30	
CCB	Ti	0.01833	-0.13403	0.17070	1175.30590	ug/L	10/14/10	09:30	
CCB	Tl	0.09830	-1.30824	1.50485	2023.50305	ug/L	10/14/10	09:30	
CCB	V	-1.29559	-2.16273	-0.42846	94.65230	ug/L	10/14/10	09:30	
CCB	Zn	0.93859	0.41020	1.46699	79.61536	ug/L	10/14/10	09:30	
CCB	2203/1	-7.53016	-8.29768	-6.76263	14.41464	ug/L	10/14/10	09:30	
CCB	2203/2	8.91538	10.55108	7.27968	25.94647	ug/L	10/14/10	09:30	
CCB	1960/1	-10.46110	-16.42425	-4.49795	80.61448	ug/L	10/14/10	09:30	
CCB	1960/2	-2.05518	-8.27323	4.16286	427.87570	ug/L	10/14/10	09:30	
CCB	Y	1088.15698	1087.06921	1089.24475	0.14137		10/14/10	09:30	
CCV	Ag	465.71044	464.78622	466.63467	0.28065	ug/L	10/14/10	09:51	
CCV	Al	4744.91064	4752.52636	4737.29492	0.22698	ug/L	10/14/10	09:51	
CCV	2Al	4.74453	4.75224	4.73682	0.22981	mg/L	10/14/10	09:51	
CCV	As	469.62744	471.70153	467.55331	0.62458	ug/L	10/14/10	09:51	
CCV	B	4691.38281	4688.58349	4694.18212	0.08438	ug/L	10/14/10	09:51	
CCV	Ba	4717.86914	4714.36132	4721.37744	0.10515	ug/L	10/14/10	09:51	
CCV	Be	468.99588	468.78735	469.20440	0.06287	ug/L	10/14/10	09:51	
CCV	Ca	4831.77929	4829.89892	4833.65917	0.05502	ug/L	10/14/10	09:51	
CCV	Cd	470.37319	470.35272	470.39367	0.00615	ug/L	10/14/10	09:51	
CCV	Co	473.72348	475.23965	472.20730	0.45262	ug/L	10/14/10	09:51	
CCV	Cr	4702.82617	4701.40332	4704.24853	0.04278	ug/L	10/14/10	09:51	
CCV	Cu	4688.33398	4687.72265	4688.94482	0.01843	ug/L	10/14/10	09:51	
CCV	Fe	4698.85644	4684.96093	4712.75244	0.41822	ug/L	10/14/10	09:51	
CCV	2Fe	4.69886	4.68496	4.71275	0.41814	mg/L	10/14/10	09:51	
CCV	K	9164.91210	9125.13671	9204.68847	0.61377	ug/L	10/14/10	09:51	
CCV	Mg	4830.25781	4834.56298	4825.95312	0.12604	ug/L	10/14/10	09:51	
CCV	2Mg	4.83029	4.83460	4.82599	0.12609	mg/L	10/14/10	09:51	
CCV	Mn	4868.91796	4870.75488	4867.08154	0.05334	ug/L	10/14/10	09:51	
CCV	Mo	466.81243	466.00451	467.62039	0.24476	ug/L	10/14/10	09:51	
CCV	Na	6818.12548	6724.14404	6912.10693	1.94936	ug/L	10/14/10	09:51	
CCV	Ni	2384.28906	2381.08203	2387.49633	0.19022	ug/L	10/14/10	09:51	
CCV	Pb	481.46807	482.57196	480.36419	0.32424	ug/L	10/14/10	09:51	
CCV	Se	4687.17480	4693.76318	4680.58593	0.19879	ug/L	10/14/10	09:51	
CCV	Sb	457.66744	451.07409	464.26080	2.03737	ug/L	10/14/10	09:51	
CCV	Sn	4702.41845	4695.35986	4709.47705	0.21228	ug/L	10/14/10	09:51	
CCV	Sr	2319.42285	2320.90991	2317.93554	0.09067	ug/L	10/14/10	09:51	
CCV	Ti	468.67907	468.37097	468.98721	0.09297	ug/L	10/14/10	09:51	
CCV	Tl	4677.75927	4682.74316	4672.77539	0.15067	ug/L	10/14/10	09:51	
CCV	V	4752.63134	4752.62548	4752.63720	0.00017	ug/L	10/14/10	09:51	
CCV	Zn	2408.06591	2409.57226	2406.55932	0.08847	ug/L	10/14/10	09:51	
CCV	2203/1	492.22009	485.58911	498.85107	1.90516	ug/L	10/14/10	09:51	
CCV	2203/2	476.10012	481.06564	471.13461	1.47496	ug/L	10/14/10	09:51	
CCV	1960/1	4792.54638	4771.22753	4813.86523	0.62908	ug/L	10/14/10	09:51	
CCV	1960/2	4634.56738	4655.08886	4614.04638	0.62619	ug/L	10/14/10	09:51	
CCV	Y	1071.81481	1072.84802	1070.78161	0.13632		10/14/10	09:51	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.26128	0.48433	0.03823	120.72435	ug/L	10/14/10	10:01	
CCB	Al	-12.02085	-6.75773	-17.28396	61.91884	ug/L	10/14/10	10:01	
CCB	2Al	-0.01202	-0.00675	-0.01728	61.91884	mg/L	10/14/10	10:01	
CCB	As	2.86445	2.51855	3.21034	17.07710	ug/L	10/14/10	10:01	
CCB	B	-0.12257	-0.46820	0.22306	398.79217	ug/L	10/14/10	10:01	
CCB	Ba	0.28700	0.58241	-0.00841	145.56832	ug/L	10/14/10	10:01	
CCB	Be	0.05399	0.10334	0.00465	129.24285	ug/L	10/14/10	10:01	
CCB	Ca	17.62646	27.72199	7.53093	80.99882	ug/L	10/14/10	10:01	
CCB	Cd	0.03417	-0.05604	0.12439	373.31784	ug/L	10/14/10	10:01	
CCB	Co	0.04257	0.08486	0.00027	140.49792	ug/L	10/14/10	10:01	
CCB	Cr	0.56420	0.31979	0.80860	61.26138	ug/L	10/14/10	10:01	
CCB	Cu	-0.16044	-0.50168	0.18078	300.77163	ug/L	10/14/10	10:01	
CCB	Fe	-6.20305	-2.74868	-9.65742	78.75501	ug/L	10/14/10	10:01	
CCB	2Fe	-0.00620	-0.00274	-0.00965	78.75585	mg/L	10/14/10	10:01	
CCB	K	-19.83340	-7.66227	-32.00453	86.78577	ug/L	10/14/10	10:01	
CCB	Mg	7.96229	12.43848	3.48611	79.50321	ug/L	10/14/10	10:01	
CCB	2Mg	0.00796	0.01244	0.00349	79.45642	mg/L	10/14/10	10:01	
CCB	Mn	16.13172	22.11004	10.15339	52.40996	ug/L	10/14/10	10:01	
CCB	Mo	-1.48157	-1.32496	-1.63819	14.94952	ug/L	10/14/10	10:01	
CCB	Na	153.76232	438.28735	-130.76269	261.68902	ug/L	10/14/10	10:01	
CCB	Ni	1.00649	0.99653	1.01645	1.39986	ug/L	10/14/10	10:01	
CCB	Pb	2.16360	2.72124	1.60596	36.44951	ug/L	10/14/10	10:01	
CCB	Se	-0.52073	-1.14018	0.09871	168.23191	ug/L	10/14/10	10:01	
CCB	Sb	-5.53893	-5.98680	-5.09105	11.43533	ug/L	10/14/10	10:01	
CCB	Sn	-3.92183	-4.11151	-3.73215	6.83984	ug/L	10/14/10	10:01	
CCB	Sr	0.23164	0.42629	0.03698	118.83923	ug/L	10/14/10	10:01	
CCB	Ti	-0.28774	-0.06747	-0.50802	108.26056	ug/L	10/14/10	10:01	
CCB	Tl	3.27539	7.79864	-1.24786	195.30014	ug/L	10/14/10	10:01	
CCB	V	-0.03870	0.12803	-0.20544	609.21014	ug/L	10/14/10	10:01	
CCB	Zn	0.25909	0.28987	0.22830	16.80452	ug/L	10/14/10	10:01	
CCB	2203/1	-1.02809	0.77699	-2.83318	248.30284	ug/L	10/14/10	10:01	
CCB	2203/2	3.75705	3.69190	3.82220	2.45243	ug/L	10/14/10	10:01	
CCB	1960/1	-1.09725	2.01716	-4.21167	401.40698	ug/L	10/14/10	10:01	
CCB	1960/2	-0.23290	-2.71649	2.25068	1508.07141	ug/L	10/14/10	10:01	
CCB	Y	1077.27050	1077.82080	1076.72033	0.07223		10/14/10	10:01	
62030-3	Ag	0.47785	1.45972	-0.50402	290.58813	ug/L	10/14/10	10:07	
62030-3	Al	277.08154	278.78762	275.37542	0.87078	ug/L	10/14/10	10:07	
62030-3	2Al	0.27708	0.27879	0.27538	0.87078	mg/L	10/14/10	10:07	
62030-3	As	0.29932	-1.46434	2.06299	833.28466	ug/L	10/14/10	10:07	
62030-3	B	777.82543	776.43615	779.21466	0.25258	ug/L	10/14/10	10:07	
62030-3	Ba	113.94583	114.16893	113.72271	0.27690	ug/L	10/14/10	10:07	
62030-3	Be	0.04742	0.07823	0.01660	91.89896	ug/L	10/14/10	10:07	
62030-3	Ca	100040.71875	99961.18750	100120.25000	0.11242	ug/L	10/14/10	10:07	
62030-3	Cd	0.09320	0.33322	-0.14681	364.17547	ug/L	10/14/10	10:07	
62030-3	Co	2.13646	1.79558	2.47735	22.56471	ug/L	10/14/10	10:07	
62030-3	Cr	6.73748	6.22043	7.25453	10.85295	ug/L	10/14/10	10:07	
62030-3	Cu	16.24160	16.29019	16.19301	0.42309	ug/L	10/14/10	10:07	
62030-3	Fe	1989.00329	2002.01330	1975.99328	0.92503	ug/L	10/14/10	10:07	
62030-3	2Fe	1.98875	2.00175	1.97574	0.92501	mg/L	10/14/10	10:07	
62030-3	K	27892.58007	27935.22656	27849.93359	0.21622	ug/L	10/14/10	10:07	
62030-3	Mg	24918.06250	24877.81445	24958.31054	0.22842	ug/L	10/14/10	10:07	
62030-3	2Mg	24.91085	24.87061	24.95109	0.22844	mg/L	10/14/10	10:07	
62030-3	Mn	390.07116	388.92767	391.21466	0.41457	ug/L	10/14/10	10:07	
62030-3	Mo	24.34241	25.61066	23.07415	7.36813	ug/L	10/14/10	10:07	
62030-3	Na	89920.39843	90005.87500	89834.92187	0.13443	ug/L	10/14/10	10:07	
62030-3	Ni	17.87117	19.23490	16.50744	10.79171	ug/L	10/14/10	10:07	
62030-3	Pb	16.01195	15.97460	16.04931	0.32992	ug/L	10/14/10	10:07	
62030-3	Se	1.91773	0.76186	3.07360	85.23812	ug/L	10/14/10	10:07	
62030-3	Sb	4.46692	8.77042	0.16342	136.24729	ug/L	10/14/10	10:07	
62030-3	Sn	-4.22260	-0.44042	-8.00479	126.67087	ug/L	10/14/10	10:07	
62030-3	Sr	508.48861	509.75537	507.22186	0.35231	ug/L	10/14/10	10:07	
62030-3	Ti	6.03367	5.81979	6.24755	5.01296	ug/L	10/14/10	10:07	
62030-3	Tl	2.89187	4.44058	1.34316	75.73663	ug/L	10/14/10	10:07	
62030-3	V	0.87153	2.04472	-0.30166	190.37133	ug/L	10/14/10	10:07	
62030-3	Zn	100.79129	100.54389	101.03869	0.34712	ug/L	10/14/10	10:07	
62030-3	2203/1	12.28906	17.21334	7.36479	56.66803	ug/L	10/14/10	10:07	
62030-3	2203/2	17.87060	15.35615	20.38505	19.89842	ug/L	10/14/10	10:07	
62030-3	1960/1	3.70858	9.01865	-1.60147	202.49124	ug/L	10/14/10	10:07	
62030-3	1960/2	1.02365	-3.36033	5.40763	605.66345	ug/L	10/14/10	10:07	
62030-3	Y	1062.81420	1063.06201	1062.56640	0.03297		10/14/10	10:07	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62091-2 1/100	Ag	1.68895	-0.21689	3.59480	159.58305	ug/L	10/14/10	10:13	
62091-2 1/100	Al	525.95507	536.66180	515.24829	2.87888	ug/L	10/14/10	10:13	
62091-2 1/100	2Al	0.52597	0.53667	0.51526	2.87889	mg/L	10/14/10	10:13	
62091-2 1/100	As	-5.04552	-1.36835	-8.72269	103.06774	ug/L	10/14/10	10:13	
62091-2 1/100	B	-2.51545	-1.09037	-3.94053	80.11941	ug/L	10/14/10	10:13	
62091-2 1/100	Ba	2.57256	1.94232	3.20281	34.64635	ug/L	10/14/10	10:13	
62091-2 1/100	Be	0.11182	0.00092	0.22272	140.25563	ug/L	10/14/10	10:13	
62091-2 1/100	Ca	61.92391	58.28184	65.56599	8.31774	ug/L	10/14/10	10:13	
62091-2 1/100	Cd	0.22036	-0.47169	0.91243	444.13201	ug/L	10/14/10	10:13	
62091-2 1/100	Co	-0.75315	-0.06336	-1.44295	129.52352	ug/L	10/14/10	10:13	
62091-2 1/100	Cr	3.22868	3.90606	2.55129	29.67062	ug/L	10/14/10	10:13	
62091-2 1/100	Cu	0.33476	1.33570	-0.66618	422.84924	ug/L	10/14/10	10:13	
62091-2 1/100	Fe	1270.70849	1201.76318	1339.65393	7.67315	ug/L	10/14/10	10:13	
62091-2 1/100	2Fe	1.27054	1.20161	1.33948	7.67318	mg/L	10/14/10	10:13	
62091-2 1/100	K	213.86488	136.96566	290.76409	50.85075	ug/L	10/14/10	10:13	
62091-2 1/100	Mg	94.26998	104.43206	84.10791	15.24487	ug/L	10/14/10	10:13	
62091-2 1/100	2Mg	0.09837	0.10853	0.08820	14.60970	mg/L	10/14/10	10:13	
62091-2 1/100	Mn	9500.03906	9480.68554	9519.39257	0.28810	ug/L	10/14/10	10:13	
62091-2 1/100	Mo	-2.40529	-3.51574	-1.29485	65.28929	ug/L	10/14/10	10:13	
62091-2 1/100	Na	12717.85058	12185.36816	13250.33300	5.92115	ug/L	10/14/10	10:13	
62091-2 1/100	Ni	5.19702	2.45622	7.93783	74.58260	ug/L	10/14/10	10:13	
62091-2 1/100	Pb	1.43274	3.10080	-0.23530	164.64732	ug/L	10/14/10	10:13	
62091-2 1/100	Se	11.69477	3.79638	19.59316	95.51284	ug/L	10/14/10	10:13	
62091-2 1/100	Sb	3.43019	-9.30379	16.16418	525.00170	ug/L	10/14/10	10:13	
62091-2 1/100	Sn	2.21584	-3.64496	8.07665	374.05313	ug/L	10/14/10	10:13	
62091-2 1/100	Sr	0.39845	0.51217	0.28473	40.36270	ug/L	10/14/10	10:13	
62091-2 1/100	Ti	1.04175	1.34890	0.73461	41.69580	ug/L	10/14/10	10:13	
62091-2 1/100	Tl	9.15288	3.53601	14.76975	86.78641	ug/L	10/14/10	10:13	
62091-2 1/100	V	0.40809	-3.46268	4.27888	1341.37377	ug/L	10/14/10	10:13	
62091-2 1/100	Zn	5.26025	5.70742	4.81308	12.02222	ug/L	10/14/10	10:13	
62091-2 1/100	2203/1	9.61863	-2.16677	21.40405	173.27906	ug/L	10/14/10	10:13	
62091-2 1/100	2203/2	-2.65406	5.73063	-11.03876	446.77798	ug/L	10/14/10	10:13	
62091-2 1/100	1960/1	16.44828	3.53951	29.35706	110.98885	ug/L	10/14/10	10:13	
62091-2 1/100	1960/2	9.32157	3.92462	14.71852	81.87927	ug/L	10/14/10	10:13	
62091-2 1/100	Y	1103.06689	1087.74121	1118.39270	1.96487		10/14/10	10:13	
62091-3 1/100	Ag	-0.66864	-1.28246	-0.05483	129.82447	ug/L	10/14/10	10:19	
62091-3 1/100	Al	36.99951	36.10370	37.89531	3.42398	ug/L	10/14/10	10:19	
62091-3 1/100	2Al	0.03700	0.03610	0.03789	3.42396	mg/L	10/14/10	10:19	
62091-3 1/100	As	-2.05197	0.47911	-4.58307	174.44175	ug/L	10/14/10	10:19	
62091-3 1/100	B	-0.76281	-0.08243	-1.44318	126.13783	ug/L	10/14/10	10:19	
62091-3 1/100	Ba	-0.03759	-0.18969	0.11450	572.17755	ug/L	10/14/10	10:19	
62091-3 1/100	Be	0.00184	-0.00599	0.00967	601.92272	ug/L	10/14/10	10:19	
62091-3 1/100	Ca	86.68106	86.62013	86.74198	0.09940	ug/L	10/14/10	10:19	
62091-3 1/100	Cd	-0.21377	-0.53720	0.10964	213.95454	ug/L	10/14/10	10:19	
62091-3 1/100	Co	0.09055	-0.06048	0.24158	235.88487	ug/L	10/14/10	10:19	
62091-3 1/100	Cr	2.48027	2.36743	2.59312	6.43418	ug/L	10/14/10	10:19	
62091-3 1/100	Cu	-0.65225	-0.86288	-0.44161	45.66918	ug/L	10/14/10	10:19	
62091-3 1/100	Fe	-8.14272	-12.51189	-3.77355	75.88292	ug/L	10/14/10	10:19	
62091-3 1/100	2Fe	-0.00814	-0.01251	-0.00377	75.88328	mg/L	10/14/10	10:19	
62091-3 1/100	K	313.28164	308.55984	318.00344	2.13151	ug/L	10/14/10	10:19	
62091-3 1/100	Mg	124.69245	126.30657	123.07833	1.83067	ug/L	10/14/10	10:19	
62091-3 1/100	2Mg	0.12681	0.12843	0.12519	1.80631	mg/L	10/14/10	10:19	
62091-3 1/100	Mn	4703.27929	4714.85595	4691.70263	0.34809	ug/L	10/14/10	10:19	
62091-3 1/100	Mo	-3.55495	-4.90113	-2.20876	53.55327	ug/L	10/14/10	10:19	
62091-3 1/100	Na	32899.85156	32931.71875	32867.98828	0.13697	ug/L	10/14/10	10:19	
62091-3 1/100	Ni	0.07344	-0.43319	0.58007	975.61151	ug/L	10/14/10	10:19	
62091-3 1/100	Pb	1.52266	1.48494	1.56038	3.50353	ug/L	10/14/10	10:19	
62091-3 1/100	Se	-1.85601	-5.12140	1.40936	248.80958	ug/L	10/14/10	10:19	
62091-3 1/100	Sb	-6.46859	-8.11989	-4.81729	36.10208	ug/L	10/14/10	10:19	
62091-3 1/100	Sn	-6.97819	-9.49397	-4.46241	50.98527	ug/L	10/14/10	10:19	
62091-3 1/100	Sr	0.56146	0.55925	0.56367	0.55611	ug/L	10/14/10	10:19	
62091-3 1/100	Ti	-0.20813	-0.03030	-0.38596	120.82751	ug/L	10/14/10	10:19	
62091-3 1/100	Tl	-2.32411	-3.52859	-1.11964	73.29158	ug/L	10/14/10	10:19	
62091-3 1/100	V	-1.93650	-2.65993	-1.21307	52.83161	ug/L	10/14/10	10:19	
62091-3 1/100	Zn	0.83025	0.92149	0.73900	15.54160	ug/L	10/14/10	10:19	
62091-3 1/100	2203/1	-5.97179	-8.74689	-3.19670	65.71852	ug/L	10/14/10	10:19	
62091-3 1/100	2203/2	5.26427	6.59318	3.93536	35.70037	ug/L	10/14/10	10:19	
62091-3 1/100	1960/1	-6.83305	-13.98176	0.31565	147.95442	ug/L	10/14/10	10:19	
62091-3 1/100	1960/2	0.62876	-0.69786	1.95540	298.38299	ug/L	10/14/10	10:19	
62091-3 1/100	Y	1133.24389	1131.55554	1134.93237	0.21070		10/14/10	10:19	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62091-6 1/100	Ag	0.51285	-0.33617	1.36188	234.12396	ug/L	10/14/10	10:24	
62091-6 1/100	Al	77.86961	84.70710	71.03212	12.41777	ug/L	10/14/10	10:24	
62091-6 1/100	2Al	0.07787	0.08470	0.07103	12.41777	mg/L	10/14/10	10:24	
62091-6 1/100	As	1.80920	3.96832	-0.34991	168.77316	ug/L	10/14/10	10:24	
62091-6 1/100	B	-1.16259	0.93340	-3.25858	254.96343	ug/L	10/14/10	10:24	
62091-6 1/100	Ba	0.26119	0.09179	0.43060	91.72030	ug/L	10/14/10	10:24	
62091-6 1/100	Be	0.03758	0.00835	0.06682	109.98757	ug/L	10/14/10	10:24	
62091-6 1/100	Ca	258.04727	257.62216	258.47238	0.23297	ug/L	10/14/10	10:24	
62091-6 1/100	Cd	-0.13970	-0.16350	-0.11590	24.09223	ug/L	10/14/10	10:24	
62091-6 1/100	Co	1.08585	1.90484	0.26686	106.66547	ug/L	10/14/10	10:24	
62091-6 1/100	Cr	2.52105	3.10451	1.93760	32.72930	ug/L	10/14/10	10:24	
62091-6 1/100	Cu	0.21441	1.40683	-0.97799	786.47418	ug/L	10/14/10	10:24	
62091-6 1/100	Fe	89.48506	79.67204	99.29808	15.50840	ug/L	10/14/10	10:24	
62091-6 1/100	2Fe	0.08947	0.07966	0.09928	15.50806	mg/L	10/14/10	10:24	
62091-6 1/100	K	277.83642	255.22450	300.44836	11.50968	ug/L	10/14/10	10:24	
62091-6 1/100	Mg	126.45278	132.25741	120.64816	6.49173	ug/L	10/14/10	10:24	
62091-6 1/100	2Mg	0.12908	0.13489	0.12327	6.36571	mg/L	10/14/10	10:24	
62091-6 1/100	Mn	5859.46289	5872.00048	5846.92480	0.30260	ug/L	10/14/10	10:24	
62091-6 1/100	Mo	-3.74105	-4.37778	-3.10431	24.07025	ug/L	10/14/10	10:24	
62091-6 1/100	Na	15450.31738	15181.29199	15719.34277	2.46246	ug/L	10/14/10	10:24	
62091-6 1/100	Ni	0.05650	0.59569	-0.48269	1349.59619	ug/L	10/14/10	10:24	
62091-6 1/100	Pb	0.85510	0.28166	1.42854	94.83776	ug/L	10/14/10	10:24	
62091-6 1/100	Se	-0.96464	-4.15387	2.22457	467.55233	ug/L	10/14/10	10:24	
62091-6 1/100	Sb	-6.58088	-9.03276	-4.12901	52.69008	ug/L	10/14/10	10:24	
62091-6 1/100	Sn	-4.53246	-6.08274	-2.98218	48.37164	ug/L	10/14/10	10:24	
62091-6 1/100	Sr	0.83043	0.88088	0.77998	8.59125	ug/L	10/14/10	10:24	
62091-6 1/100	Ti	-0.25905	0.01301	-0.53113	148.52636	ug/L	10/14/10	10:24	
62091-6 1/100	Tl	1.35821	1.15863	1.55779	20.78110	ug/L	10/14/10	10:24	
62091-6 1/100	V	-1.58432	-2.18136	-0.98728	53.29364	ug/L	10/14/10	10:24	
62091-6 1/100	Zn	1.90757	2.18027	1.63488	20.21685	ug/L	10/14/10	10:24	
62091-6 1/100	2203/1	-4.22765	-10.16595	1.71064	198.64506	ug/L	10/14/10	10:24	
62091-6 1/100	2203/2	3.39267	5.49764	1.28769	87.74443	ug/L	10/14/10	10:24	
62091-6 1/100	1960/1	-0.70076	-2.88410	1.48256	440.61669	ug/L	10/14/10	10:24	
62091-6 1/100	1960/2	-1.09639	-4.78780	2.59502	476.14758	ug/L	10/14/10	10:24	
62091-6 1/100	Y	1132.69384	1131.31201	1134.07556	0.17252		10/14/10	10:24	
62091-7 1/100	Ag	0.37585	1.23006	-0.47835	321.40591	ug/L	10/14/10	10:31	
62091-7 1/100	Al	17.81575	16.66930	18.96219	9.10046	ug/L	10/14/10	10:31	
62091-7 1/100	2Al	0.01781	0.01666	0.01896	9.10049	mg/L	10/14/10	10:31	
62091-7 1/100	As	-2.87731	-3.22843	-2.52618	17.25801	ug/L	10/14/10	10:31	
62091-7 1/100	B	-1.25713	-2.03668	-0.47758	87.69506	ug/L	10/14/10	10:31	
62091-7 1/100	Ba	0.06286	0.23334	-0.10760	383.48696	ug/L	10/14/10	10:31	
62091-7 1/100	Be	0.03336	0.04371	0.02302	43.86016	ug/L	10/14/10	10:31	
62091-7 1/100	Ca	222.47744	222.33232	222.62255	0.09224	ug/L	10/14/10	10:31	
62091-7 1/100	Cd	-0.26299	-0.13604	-0.38993	68.26236	ug/L	10/14/10	10:31	
62091-7 1/100	Co	0.73820	0.29633	1.18008	84.65225	ug/L	10/14/10	10:31	
62091-7 1/100	Cr	2.05959	1.98485	2.13434	5.13216	ug/L	10/14/10	10:31	
62091-7 1/100	Cu	0.22868	0.88236	-0.42500	404.25387	ug/L	10/14/10	10:31	
62091-7 1/100	Fe	4.00291	28.28853	-20.28269	858.00054	ug/L	10/14/10	10:31	
62091-7 1/100	2Fe	0.00400	0.02828	-0.02027	857.97528	mg/L	10/14/10	10:31	
62091-7 1/100	K	401.17129	420.12045	382.22213	6.67997	ug/L	10/14/10	10:31	
62091-7 1/100	Mg	138.77435	140.22547	137.32324	1.47879	ug/L	10/14/10	10:31	
62091-7 1/100	2Mg	0.14053	0.14197	0.13909	1.44905	mg/L	10/14/10	10:31	
62091-7 1/100	Mn	3929.17016	3915.02416	3943.31616	0.50915	ug/L	10/14/10	10:31	
62091-7 1/100	Mo	-2.84288	-2.13171	-3.55404	35.37742	ug/L	10/14/10	10:31	
62091-7 1/100	Na	33297.07812	33262.19531	33331.96484	0.14816	ug/L	10/14/10	10:31	
62091-7 1/100	Ni	1.51399	2.19520	0.83279	63.63080	ug/L	10/14/10	10:31	
62091-7 1/100	Pb	1.22056	0.74332	1.69780	55.29605	ug/L	10/14/10	10:31	
62091-7 1/100	Se	-0.94499	3.27287	-5.16285	631.21850	ug/L	10/14/10	10:31	
62091-7 1/100	Sb	-1.58629	1.70823	-4.88082	293.71383	ug/L	10/14/10	10:31	
62091-7 1/100	Sn	-2.70124	-1.07537	-4.32711	85.12112	ug/L	10/14/10	10:31	
62091-7 1/100	Sr	0.42375	0.43058	0.41692	2.27909	ug/L	10/14/10	10:31	
62091-7 1/100	Ti	-0.18631	-0.11289	-0.25972	55.72541	ug/L	10/14/10	10:31	
62091-7 1/100	Tl	2.22264	3.31686	1.12842	69.62232	ug/L	10/14/10	10:31	
62091-7 1/100	V	-1.07941	-0.10222	-2.05660	128.02876	ug/L	10/14/10	10:31	
62091-7 1/100	Zn	0.74310	1.10411	0.38210	68.70265	ug/L	10/14/10	10:31	
62091-7 1/100	2203/1	-1.49641	0.23167	-3.22449	163.31590	ug/L	10/14/10	10:31	
62091-7 1/100	2203/2	2.57701	0.99876	4.15526	86.61132	ug/L	10/14/10	10:31	
62091-7 1/100	1960/1	-5.95979	-1.82265	-10.09692	98.17113	ug/L	10/14/10	10:31	
62091-7 1/100	1960/2	1.55864	5.81681	-2.69951	386.35745	ug/L	10/14/10	10:31	
62091-7 1/100	Y	1130.35437	1128.75000	1131.95874	0.20072		10/14/10	10:31	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62091-8 1/100	Ag	-0.71280	-1.04672	-0.37888	66.25058	ug/L	10/14/10	10:37	
62091-8 1/100	Al	28.09956	26.57802	29.62109	7.65768	ug/L	10/14/10	10:37	
62091-8 1/100	2Al	0.02810	0.02657	0.02962	7.65765	mg/L	10/14/10	10:37	
62091-8 1/100	As	-2.74401	-1.40003	-4.08799	69.26614	ug/L	10/14/10	10:37	
62091-8 1/100	B	-1.02392	0.06519	-2.11303	150.42597	ug/L	10/14/10	10:37	
62091-8 1/100	Ba	-0.16650	-0.18999	-0.14301	19.94773	ug/L	10/14/10	10:37	
62091-8 1/100	Be	-0.00148	-0.00030	-0.00266	112.61515	ug/L	10/14/10	10:37	
62091-8 1/100	Ca	131.31201	132.40858	130.21543	1.18099	ug/L	10/14/10	10:37	
62091-8 1/100	Cd	-0.23802	-0.12039	-0.35565	69.88948	ug/L	10/14/10	10:37	
62091-8 1/100	Co	-0.16706	-0.27227	-0.06186	89.05094	ug/L	10/14/10	10:37	
62091-8 1/100	Cr	0.46983	0.70327	0.23640	70.26473	ug/L	10/14/10	10:37	
62091-8 1/100	Cu	0.28675	0.31801	0.25550	15.41615	ug/L	10/14/10	10:37	
62091-8 1/100	Fe	-20.14654	-26.78233	-13.51075	46.58083	ug/L	10/14/10	10:37	
62091-8 1/100	2Fe	-0.02014	-0.02677	-0.01350	46.58037	mg/L	10/14/10	10:37	
62091-8 1/100	K	389.44931	384.42660	394.47201	1.82390	ug/L	10/14/10	10:37	
62091-8 1/100	Mg	22.39510	25.20006	19.59013	17.71287	ug/L	10/14/10	10:37	
62091-8 1/100	2Mg	0.02267	0.02548	0.01987	17.49622	mg/L	10/14/10	10:37	
62091-8 1/100	Mn	624.35583	625.14300	623.56860	0.17830	ug/L	10/14/10	10:37	
62091-8 1/100	Mo	-4.35624	-3.03256	-5.67991	42.97186	ug/L	10/14/10	10:37	
62091-8 1/100	Na	91776.88281	92013.44531	91540.32031	0.36452	ug/L	10/14/10	10:37	
62091-8 1/100	Ni	-0.24825	-0.61989	0.12338	211.70565	ug/L	10/14/10	10:37	
62091-8 1/100	Pb	2.08009	1.61175	2.54844	31.84169	ug/L	10/14/10	10:37	
62091-8 1/100	Se	0.67740	-0.29324	1.64804	202.64126	ug/L	10/14/10	10:37	
62091-8 1/100	Sb	-7.96907	-9.92228	-6.01586	34.66219	ug/L	10/14/10	10:37	
62091-8 1/100	Sn	-6.67919	-6.31545	-7.04293	7.70163	ug/L	10/14/10	10:37	
62091-8 1/100	Sr	0.24588	0.26378	0.22798	10.29326	ug/L	10/14/10	10:37	
62091-8 1/100	Ti	-0.44100	-0.26083	-0.62117	57.77632	ug/L	10/14/10	10:37	
62091-8 1/100	Tl	-0.39031	-0.42884	-0.35178	13.95943	ug/L	10/14/10	10:37	
62091-8 1/100	V	-1.97609	-1.82947	-2.12271	10.49307	ug/L	10/14/10	10:37	
62091-8 1/100	Zn	1.04743	1.34528	0.74958	40.21435	ug/L	10/14/10	10:37	
62091-8 1/100	2203/1	-2.64930	-4.70914	-0.58946	109.95529	ug/L	10/14/10	10:37	
62091-8 1/100	2203/2	4.44125	4.76746	4.11504	10.38740	ug/L	10/14/10	10:37	
62091-8 1/100	1960/1	-5.43812	-8.54888	-2.32736	80.89707	ug/L	10/14/10	10:37	
62091-8 1/100	1960/2	3.73058	3.82839	3.63276	3.70789	ug/L	10/14/10	10:37	
62091-8 1/100	Y	1123.57983	1126.77600	1120.38354	0.40229		10/14/10	10:37	
62091-10 1/100	Ag	-0.57595	0.26794	-1.41986	207.21286	ug/L	10/14/10	10:41	
62091-10 1/100	Al	286.40496	285.10964	287.70028	0.63960	ug/L	10/14/10	10:41	
62091-10 1/100	2Al	0.28641	0.28511	0.28770	0.63960	mg/L	10/14/10	10:41	
62091-10 1/100	As	-1.60781	-1.57650	-1.63911	2.75332	ug/L	10/14/10	10:41	
62091-10 1/100	B	-2.86392	-3.12408	-2.60376	12.84662	ug/L	10/14/10	10:41	
62091-10 1/100	Ba	3.19938	3.23753	3.16124	1.68612	ug/L	10/14/10	10:41	
62091-10 1/100	Be	0.02967	0.04075	0.01858	52.81534	ug/L	10/14/10	10:41	
62091-10 1/100	Ca	533.73303	534.87841	532.58764	0.30348	ug/L	10/14/10	10:41	
62091-10 1/100	Cd	-0.28975	-0.30207	-0.27743	6.01235	ug/L	10/14/10	10:41	
62091-10 1/100	Co	0.94544	1.06839	0.82250	18.38990	ug/L	10/14/10	10:41	
62091-10 1/100	Cr	3.75119	3.07627	4.42610	25.44449	ug/L	10/14/10	10:41	
62091-10 1/100	Cu	2.47195	2.43116	2.51274	2.33354	ug/L	10/14/10	10:41	
62091-10 1/100	Fe	573.84075	578.28582	569.39569	1.09547	ug/L	10/14/10	10:41	
62091-10 1/100	2Fe	0.57376	0.57821	0.56932	1.09549	mg/L	10/14/10	10:41	
62091-10 1/100	K	350.01721	353.56805	346.46633	1.43469	ug/L	10/14/10	10:41	
62091-10 1/100	Mg	157.46499	156.13093	158.79905	1.19813	ug/L	10/14/10	10:41	
62091-10 1/100	2Mg	0.16081	0.15949	0.16214	1.16655	mg/L	10/14/10	10:41	
62091-10 1/100	Mn	7635.53417	7652.84033	7618.22753	0.32054	ug/L	10/14/10	10:41	
62091-10 1/100	Mo	-2.65716	-1.02546	-4.28886	86.84334	ug/L	10/14/10	10:41	
62091-10 1/100	Na	15463.20117	15486.20996	15440.19335	0.21042	ug/L	10/14/10	10:41	
62091-10 1/100	Ni	2.22426	2.41923	2.02929	12.39650	ug/L	10/14/10	10:41	
62091-10 1/100	Pb	1.90360	2.63416	1.17304	54.27391	ug/L	10/14/10	10:41	
62091-10 1/100	Se	-1.50800	-1.98252	-1.03348	44.50034	ug/L	10/14/10	10:41	
62091-10 1/100	Sb	-9.42535	-10.62074	-8.22996	17.93608	ug/L	10/14/10	10:41	
62091-10 1/100	Sn	-6.69262	-5.22458	-8.16066	31.02106	ug/L	10/14/10	10:41	
62091-10 1/100	Sr	2.10130	2.08435	2.11824	1.14062	ug/L	10/14/10	10:41	
62091-10 1/100	Ti	-0.15267	-0.13191	-0.17344	19.23682	ug/L	10/14/10	10:41	
62091-10 1/100	Tl	1.87889	6.24951	-2.49172	328.96939	ug/L	10/14/10	10:41	
62091-10 1/100	V	-2.70975	-2.24820	-3.17130	24.08825	ug/L	10/14/10	10:41	
62091-10 1/100	Zn	5.51157	5.53580	5.48734	0.62179	ug/L	10/14/10	10:41	
62091-10 1/100	2203/1	-5.80729	-2.72871	-8.88587	74.97076	ug/L	10/14/10	10:41	
62091-10 1/100	2203/2	5.75327	5.31157	6.19497	10.85740	ug/L	10/14/10	10:41	
62091-10 1/100	1960/1	-4.99251	-7.52151	-2.46352	71.63789	ug/L	10/14/10	10:41	
62091-10 1/100	1960/2	0.23164	0.78282	-0.31954	336.50790	ug/L	10/14/10	10:41	
62091-10 1/100	Y	1141.52636	1142.39990	1140.65270	0.10822		10/14/10	10:41	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62091-13 1/100	Ag	-0.41911	-0.02772	-0.81050	132.06607	ug/L	10/14/10	10:56	
62091-13 1/100	Al	15.85356	12.36348	19.34363	31.13314	ug/L	10/14/10	10:56	
62091-13 1/100	2Al	0.01585	0.01236	0.01934	31.13306	mg/L	10/14/10	10:56	
62091-13 1/100	As	-0.74414	-2.86910	1.38081	403.83950	ug/L	10/14/10	10:56	
62091-13 1/100	B	-2.48183	-2.65416	-2.30951	9.81965	ug/L	10/14/10	10:56	
62091-13 1/100	Ba	-0.34793	-0.35905	-0.33680	4.52345	ug/L	10/14/10	10:56	
62091-13 1/100	Be	-0.00304	0.00444	-0.01053	347.78439	ug/L	10/14/10	10:56	
62091-13 1/100	Ca	33.49970	33.38671	33.61269	0.47700	ug/L	10/14/10	10:56	
62091-13 1/100	Cd	-0.62529	-0.51752	-0.73306	24.37333	ug/L	10/14/10	10:56	
62091-13 1/100	Co	0.52447	0.07722	0.97171	120.59878	ug/L	10/14/10	10:56	
62091-13 1/100	Cr	2.70965	2.30975	3.10956	20.87183	ug/L	10/14/10	10:56	
62091-13 1/100	Cu	-0.26728	-0.78723	0.25267	275.11151	ug/L	10/14/10	10:56	
62091-13 1/100	Fe	22.52321	24.64413	20.40229	13.31709	ug/L	10/14/10	10:56	
62091-13 1/100	2Fe	0.02252	0.02464	0.02039	13.31653	mg/L	10/14/10	10:56	
62091-13 1/100	K	57.91248	57.40159	58.42337	1.24758	ug/L	10/14/10	10:56	
62091-13 1/100	Mg	70.78907	68.16317	73.41497	5.24598	ug/L	10/14/10	10:56	
62091-13 1/100	2Mg	0.07367	0.07106	0.07629	5.02363	mg/L	10/14/10	10:56	
62091-13 1/100	Mn	6358.16992	6376.31298	6340.02636	0.40355	ug/L	10/14/10	10:56	
62091-13 1/100	Mo	-2.69042	-3.23725	-2.14359	28.74398	ug/L	10/14/10	10:56	
62091-13 1/100	Na	10200.48437	10077.45019	10323.51953	1.70577	ug/L	10/14/10	10:56	
62091-13 1/100	Ni	-1.44748	-1.86786	-1.02709	41.07223	ug/L	10/14/10	10:56	
62091-13 1/100	Pb	2.52504	1.06683	3.98324	81.67034	ug/L	10/14/10	10:56	
62091-13 1/100	Se	-1.81460	-0.76087	-2.86832	82.12251	ug/L	10/14/10	10:56	
62091-13 1/100	Sb	-11.11742	-12.08425	-10.15060	12.29866	ug/L	10/14/10	10:56	
62091-13 1/100	Sn	-8.31142	-8.15531	-8.46753	2.65620	ug/L	10/14/10	10:56	
62091-13 1/100	Sr	0.23114	0.20670	0.25558	14.95507	ug/L	10/14/10	10:56	
62091-13 1/100	Ti	-0.24865	-0.46306	-0.03424	121.94278	ug/L	10/14/10	10:56	
62091-13 1/100	Tl	1.43102	1.04184	1.82019	38.46074	ug/L	10/14/10	10:56	
62091-13 1/100	V	-3.41340	-3.10886	-3.71794	12.61744	ug/L	10/14/10	10:56	
62091-13 1/100	Zn	0.36512	0.30527	0.42497	23.18177	ug/L	10/14/10	10:56	
62091-13 1/100	2203/1	-3.91656	-3.36770	-4.46542	19.81859	ug/L	10/14/10	10:56	
62091-13 1/100	2203/2	5.74101	3.28078	8.20125	60.60412	ug/L	10/14/10	10:56	
62091-13 1/100	1960/1	-1.72425	2.06085	-5.50935	310.45028	ug/L	10/14/10	10:56	
62091-13 1/100	1960/2	-1.85970	-2.16962	-1.54979	23.56732	ug/L	10/14/10	10:56	
62091-13 1/100	Y	1160.86743	1162.40039	1159.33435	0.18675		10/14/10	10:56	
62091-14 1/100	Ag	-0.83344	-0.85668	-0.81021	3.94256	ug/L	10/14/10	11:01	
62091-14 1/100	Al	25.06830	28.30164	21.83498	18.24063	ug/L	10/14/10	11:01	
62091-14 1/100	2Al	0.02506	0.02830	0.02183	18.24062	mg/L	10/14/10	11:01	
62091-14 1/100	As	-1.73389	-1.15521	-2.31257	47.19890	ug/L	10/14/10	11:01	
62091-14 1/100	B	-2.81933	-2.47899	-3.15968	17.07195	ug/L	10/14/10	11:01	
62091-14 1/100	Ba	-0.02725	-0.07341	0.01889	239.45375	ug/L	10/14/10	11:01	
62091-14 1/100	Be	-0.00195	0.01637	-0.02029	1322.61401	ug/L	10/14/10	11:01	
62091-14 1/100	Ca	222.38681	222.18901	222.58459	0.12578	ug/L	10/14/10	11:01	
62091-14 1/100	Cd	-0.42719	-0.57681	-0.27758	49.52909	ug/L	10/14/10	11:01	
62091-14 1/100	Co	-1.29587	-0.92356	-1.66819	40.63121	ug/L	10/14/10	11:01	
62091-14 1/100	Cr	1.29891	1.52507	1.07274	24.62416	ug/L	10/14/10	11:01	
62091-14 1/100	Cu	-1.40876	-0.62080	-2.19671	79.10028	ug/L	10/14/10	11:01	
62091-14 1/100	Fe	-20.69671	-18.03392	-23.35950	18.19495	ug/L	10/14/10	11:01	
62091-14 1/100	2Fe	-0.02069	-0.01803	-0.02335	18.19511	mg/L	10/14/10	11:01	
62091-14 1/100	K	825.69445	827.22711	824.16180	0.26250	ug/L	10/14/10	11:01	
62091-14 1/100	Mg	61.82276	64.61746	59.02805	6.39296	ug/L	10/14/10	11:01	
62091-14 1/100	2Mg	0.06383	0.06663	0.06103	6.19828	mg/L	10/14/10	11:01	
62091-14 1/100	Mn	4427.42773	4437.14404	4417.71093	0.31036	ug/L	10/14/10	11:01	
62091-14 1/100	Mo	-3.93976	-3.53395	-4.34557	14.56692	ug/L	10/14/10	11:01	
62091-14 1/100	Na	48311.80859	48184.12500	48439.49218	0.37376	ug/L	10/14/10	11:01	
62091-14 1/100	Ni	-0.43970	-0.62499	-0.25442	59.59170	ug/L	10/14/10	11:01	
62091-14 1/100	Pb	2.62295	2.89866	2.34725	14.86508	ug/L	10/14/10	11:01	
62091-14 1/100	Se	-0.51764	1.76059	-2.79588	622.42187	ug/L	10/14/10	11:01	
62091-14 1/100	Sb	-7.85919	-9.64318	-6.07520	32.10181	ug/L	10/14/10	11:01	
62091-14 1/100	Sn	-7.80011	-6.71933	-8.88089	19.59526	ug/L	10/14/10	11:01	
62091-14 1/100	Sr	0.50845	0.52270	0.49420	3.96457	ug/L	10/14/10	11:01	
62091-14 1/100	Ti	-0.72067	-0.64783	-0.79351	14.29450	ug/L	10/14/10	11:01	
62091-14 1/100	Tl	3.32024	3.81480	2.82568	21.06522	ug/L	10/14/10	11:01	
62091-14 1/100	V	-2.56233	-2.61820	-2.50646	3.08348	ug/L	10/14/10	11:01	
62091-14 1/100	Zn	0.01501	0.01474	0.01528	2.52095	ug/L	10/14/10	11:01	
62091-14 1/100	2203/1	-1.04347	-3.32459	1.23764	309.15802	ug/L	10/14/10	11:01	
62091-14 1/100	2203/2	4.45342	6.00562	2.90122	49.29106	ug/L	10/14/10	11:01	
62091-14 1/100	1960/1	0.29192	0.24379	0.34006	23.31743	ug/L	10/14/10	11:01	
62091-14 1/100	1960/2	-0.92182	2.51786	-4.36150	527.70007	ug/L	10/14/10	11:01	
62091-14 1/100	Y	1153.91210	1155.84838	1151.97595	0.23729		10/14/10	11:01	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62091-11 1/100	Ag	-1.04294	0.34011	-2.42601	187.53981	ug/L	10/14/10	11:09	
62091-11 1/100	Al	22.01466	23.87282	20.15650	11.93674	ug/L	10/14/10	11:09	
62091-11 1/100	2Al	0.02201	0.02387	0.02015	11.93669	mg/L	10/14/10	11:09	
62091-11 1/100	As	-0.49938	1.96085	-2.95963	696.71661	ug/L	10/14/10	11:09	
62091-11 1/100	B	-2.01951	-2.23340	-1.80561	14.97861	ug/L	10/14/10	11:09	
62091-11 1/100	Ba	-0.10235	0.01758	-0.22230	165.72175	ug/L	10/14/10	11:09	
62091-11 1/100	Be	-0.02060	0.02549	-0.06670	316.41467	ug/L	10/14/10	11:09	
62091-11 1/100	Ca	38.41623	40.12063	36.71183	6.27438	ug/L	10/14/10	11:09	
62091-11 1/100	Cd	-0.22935	-0.12296	-0.33573	65.59709	ug/L	10/14/10	11:09	
62091-11 1/100	Co	-0.51542	-0.55569	-0.47516	11.04729	ug/L	10/14/10	11:09	
62091-11 1/100	Cr	1.99079	1.89414	2.08745	6.86606	ug/L	10/14/10	11:09	
62091-11 1/100	Cu	-1.19408	-1.08603	-1.30214	12.79722	ug/L	10/14/10	11:09	
62091-11 1/100	Fe	-19.18365	-3.11012	-35.25718	118.49363	ug/L	10/14/10	11:09	
62091-11 1/100	2Fe	-0.01918	-0.00311	-0.03525	118.49124	mg/L	10/14/10	11:09	
62091-11 1/100	K	520.65734	542.46539	498.84933	5.92351	ug/L	10/14/10	11:09	
62091-11 1/100	Mg	44.34424	47.14189	41.54659	8.92217	ug/L	10/14/10	11:09	
62091-11 1/100	2Mg	0.04697	0.04977	0.04417	8.42030	mg/L	10/14/10	11:09	
62091-11 1/100	Mn	5761.51367	5767.75976	5755.26708	0.15332	ug/L	10/14/10	11:09	
62091-11 1/100	Mo	-4.62198	-5.27526	-3.96869	19.98899	ug/L	10/14/10	11:09	
62091-11 1/100	Na	44957.52343	44872.82031	45042.23046	0.26645	ug/L	10/14/10	11:09	
62091-11 1/100	Ni	-0.77606	-0.17451	-1.37762	109.62057	ug/L	10/14/10	11:09	
62091-11 1/100	Pb	2.36926	1.23103	3.50749	67.94097	ug/L	10/14/10	11:09	
62091-11 1/100	Se	-1.46699	-0.34538	-2.58860	108.12569	ug/L	10/14/10	11:09	
62091-11 1/100	Sb	-5.54488	-3.07143	-8.01834	63.08502	ug/L	10/14/10	11:09	
62091-11 1/100	Sn	-7.23618	-2.41797	-12.05440	94.16544	ug/L	10/14/10	11:09	
62091-11 1/100	Sr	0.13764	0.14042	0.13485	2.86132	ug/L	10/14/10	11:09	
62091-11 1/100	Ti	-0.52467	-0.42208	-0.62726	27.65129	ug/L	10/14/10	11:09	
62091-11 1/100	Tl	0.55882	6.24070	-5.12304	1437.89379	ug/L	10/14/10	11:09	
62091-11 1/100	V	-2.98992	-2.05886	-3.92097	44.03822	ug/L	10/14/10	11:09	
62091-11 1/100	Zn	0.71391	0.53736	0.89047	34.97492	ug/L	10/14/10	11:09	
62091-11 1/100	2203/1	-6.47658	-3.79608	-9.15707	58.53082	ug/L	10/14/10	11:09	
62091-11 1/100	2203/2	6.78555	3.74082	9.83028	63.45687	ug/L	10/14/10	11:09	
62091-11 1/100	1960/1	-8.51580	-3.53384	-13.49775	82.73499	ug/L	10/14/10	11:09	
62091-11 1/100	1960/2	2.05212	1.24645	2.85778	55.52213	ug/L	10/14/10	11:09	
62091-11 1/100	Y	1161.38403	1162.97155	1159.79638	0.19331		10/14/10	11:09	
CCV	Ag	471.56289	470.00955	473.11624	0.46584	ug/L	10/14/10	11:42	
CCV	Al	4771.30175	4764.94140	4777.66210	0.18852	ug/L	10/14/10	11:42	
CCV	2Al	4.77121	4.76485	4.77757	0.18853	mg/L	10/14/10	11:42	
CCV	As	484.35571	484.89501	483.81637	0.15747	ug/L	10/14/10	11:42	
CCV	B	4847.40234	4836.37890	4858.42578	0.32160	ug/L	10/14/10	11:42	
CCV	Ba	4784.77832	4775.85449	4793.70263	0.26376	ug/L	10/14/10	11:42	
CCV	Be	492.92156	491.52908	494.31408	0.39951	ug/L	10/14/10	11:42	
CCV	Ca	5065.19384	5052.78906	5077.59863	0.34634	ug/L	10/14/10	11:42	
CCV	Cd	500.24273	499.87271	500.61276	0.10460	ug/L	10/14/10	11:42	
CCV	Co	492.98571	492.43832	493.53314	0.15703	ug/L	10/14/10	11:42	
CCV	Cr	4914.29003	4905.56835	4923.01171	0.25098	ug/L	10/14/10	11:42	
CCV	Cu	4709.13671	4701.26757	4717.00634	0.23632	ug/L	10/14/10	11:42	
CCV	Fe	4926.21191	4919.91650	4932.50781	0.18073	ug/L	10/14/10	11:42	
CCV	2Fe	4.92620	4.91991	4.93250	0.18074	mg/L	10/14/10	11:42	
CCV	K	9160.58789	9149.24804	9171.92773	0.17506	ug/L	10/14/10	11:42	
CCV	Mg	5088.94775	5082.54296	5095.35253	0.17798	ug/L	10/14/10	11:42	
CCV	2Mg	5.08892	5.08252	5.09533	0.17799	mg/L	10/14/10	11:42	
CCV	Mn	4980.17187	4972.36572	4987.97802	0.22167	ug/L	10/14/10	11:42	
CCV	Mo	494.20739	492.15417	496.26065	0.58755	ug/L	10/14/10	11:42	
CCV	Na	6860.86132	6733.23095	6988.49121	2.63081	ug/L	10/14/10	11:42	
CCV	Ni	2495.46533	2488.30151	2502.62915	0.40598	ug/L	10/14/10	11:42	
CCV	Pb	510.10388	509.54898	510.65875	0.15383	ug/L	10/14/10	11:42	
CCV	Se	4910.03466	4907.79785	4912.27148	0.06442	ug/L	10/14/10	11:42	
CCV	Sb	476.41503	470.47402	482.35601	1.76355	ug/L	10/14/10	11:42	
CCV	Sn	4953.85546	4948.24658	4959.46435	0.16012	ug/L	10/14/10	11:42	
CCV	Sr	2378.88159	2369.11816	2388.64501	0.58042	ug/L	10/14/10	11:42	
CCV	Ti	482.43218	481.97467	482.88973	0.13412	ug/L	10/14/10	11:42	
CCV	Tl	4876.33007	4857.87255	4894.78808	0.53530	ug/L	10/14/10	11:42	
CCV	V	4889.38671	4880.15234	4898.62158	0.26710	ug/L	10/14/10	11:42	
CCV	Zn	2558.85766	2553.05981	2564.65551	0.32043	ug/L	10/14/10	11:42	
CCV	2203/1	513.77172	509.83090	517.71252	1.08475	ug/L	10/14/10	11:42	
CCV	2203/2	508.27267	509.40820	507.13714	0.31594	ug/L	10/14/10	11:42	
CCV	1960/1	4972.46289	4970.51904	4974.40722	0.05529	ug/L	10/14/10	11:42	
CCV	1960/2	4878.86718	4876.48437	4881.25048	0.06907	ug/L	10/14/10	11:42	
CCV	Y	1084.54321	1085.27636	1083.80993	0.09560		10/14/10	11:42	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.43975	-0.41624	-0.46325	7.55914	ug/L	10/14/10	11:48	
CCB	Al	-11.61315	-17.34213	-5.88416	69.76579	ug/L	10/14/10	11:48	
CCB	2Al	-0.01161	-0.01734	-0.00588	69.76586	mg/L	10/14/10	11:48	
CCB	As	-0.71491	-3.07776	1.64793	467.40603	ug/L	10/14/10	11:48	
CCB	B	8.12833	8.36962	7.88703	4.19823	ug/L	10/14/10	11:48	
CCB	Ba	0.00797	0.15967	-0.14371	2688.42651	ug/L	10/14/10	11:48	
CCB	Be	-0.00526	0.01811	-0.02865	627.60552	ug/L	10/14/10	11:48	
CCB	Ca	8.68051	9.36466	7.99637	11.14599	ug/L	10/14/10	11:48	
CCB	Cd	-0.30981	-0.20806	-0.41155	46.44461	ug/L	10/14/10	11:48	
CCB	Co	0.32252	-0.02561	0.67067	152.65364	ug/L	10/14/10	11:48	
CCB	Cr	0.60075	-0.00304	1.20455	142.13806	ug/L	10/14/10	11:48	
CCB	Cu	-0.48726	-1.53835	0.56381	305.06069	ug/L	10/14/10	11:48	
CCB	Fe	-25.82682	-24.65182	-27.00181	6.43397	ug/L	10/14/10	11:48	
CCB	2Fe	-0.02582	-0.02464	-0.02699	6.43340	mg/L	10/14/10	11:48	
CCB	K	-34.19816	-23.27528	-45.12104	45.16992	ug/L	10/14/10	11:48	
CCB	Mg	0.55432	-2.34753	3.45619	740.33154	ug/L	10/14/10	11:48	
CCB	2Mg	0.00055	-0.00234	0.00346	732.95507	mg/L	10/14/10	11:48	
CCB	Mn	2.34754	2.35374	2.34134	0.37368	ug/L	10/14/10	11:48	
CCB	Mo	-1.22504	-0.80165	-1.64843	48.87675	ug/L	10/14/10	11:48	
CCB	Na	-169.14306	-120.58939	-217.69674	40.59597	ug/L	10/14/10	11:48	
CCB	Ni	0.25380	0.45155	0.05605	110.18871	ug/L	10/14/10	11:48	
CCB	Pb	0.91737	-0.87957	2.71432	277.01538	ug/L	10/14/10	11:48	
CCB	Se	-3.58275	0.49952	-7.66502	161.13906	ug/L	10/14/10	11:48	
CCB	Sb	-1.46033	-0.93463	-1.98602	50.90909	ug/L	10/14/10	11:48	
CCB	Sn	-2.95290	-2.11910	-3.78671	39.93259	ug/L	10/14/10	11:48	
CCB	Sr	0.03938	0.01678	0.06198	81.14830	ug/L	10/14/10	11:48	
CCB	Ti	-0.14463	-0.30771	0.01843	159.44451	ug/L	10/14/10	11:48	
CCB	Tl	2.76597	1.03049	4.50146	88.73310	ug/L	10/14/10	11:48	
CCB	V	-1.51083	-1.43835	-1.58332	6.78486	ug/L	10/14/10	11:48	
CCB	Zn	0.40780	-0.02945	0.84505	151.63504	ug/L	10/14/10	11:48	
CCB	2203/1	-3.24898	-1.87072	-4.62725	59.99283	ug/L	10/14/10	11:48	
CCB	2203/2	2.99743	-0.38474	6.37961	159.57388	ug/L	10/14/10	11:48	
CCB	1960/1	-10.46703	-2.95680	-17.97725	101.47156	ug/L	10/14/10	11:48	
CCB	1960/2	-0.14577	2.22510	-2.51664	2300.12646	ug/L	10/14/10	11:48	
CCB	Y	1091.20825	1093.88757	1088.52893	0.34724		10/14/10	11:48	
RL ICP	Ag	9.03432	8.60678	9.46187	6.69266	ug/L	10/14/10	11:58	
RL ICP	Al	194.02664	189.22003	198.83323	3.50341	ug/L	10/14/10	11:58	
RL ICP	2Al	0.19403	0.18922	0.19883	3.50341	mg/L	10/14/10	11:58	
RL ICP	As	19.63755	22.39689	16.87820	19.87161	ug/L	10/14/10	11:58	
RL ICP	B	100.47674	99.61725	101.33622	1.20972	ug/L	10/14/10	11:58	
RL ICP	Ba	9.72897	9.72567	9.73226	0.04786	ug/L	10/14/10	11:58	
RL ICP	Be	3.93397	3.90682	3.96112	0.97610	ug/L	10/14/10	11:58	
RL ICP	Ca	519.33001	517.64782	521.01220	0.45808	ug/L	10/14/10	11:58	
RL ICP	Cd	4.78146	4.75853	4.80440	0.67833	ug/L	10/14/10	11:58	
RL ICP	Co	10.40776	10.14905	10.66648	3.51547	ug/L	10/14/10	11:58	
RL ICP	Cr	10.67997	10.36189	10.99805	4.21192	ug/L	10/14/10	11:58	
RL ICP	Cu	19.68945	19.38771	19.99119	2.16725	ug/L	10/14/10	11:58	
RL ICP	Fe	24.46187	18.03438	30.88935	37.15918	ug/L	10/14/10	11:58	
RL ICP	2Fe	0.02446	0.01803	0.03088	37.15348	mg/L	10/14/10	11:58	
RL ICP	K	896.95776	891.58734	902.32812	0.84673	ug/L	10/14/10	11:58	
RL ICP	Mg	530.05584	522.40924	537.70245	2.04014	ug/L	10/14/10	11:58	
RL ICP	2Mg	0.52990	0.52226	0.53755	2.03983	mg/L	10/14/10	11:58	
RL ICP	Mn	11.68763	11.76903	11.60624	0.98489	ug/L	10/14/10	11:58	
RL ICP	Mo	6.67755	6.80142	6.55369	2.62323	ug/L	10/14/10	11:58	
RL ICP	Na	724.57666	616.92663	832.22662	21.01090	ug/L	10/14/10	11:58	
RL ICP	Ni	41.63154	41.73495	41.52814	0.35125	ug/L	10/14/10	11:58	
RL ICP	Pb	11.55432	11.72399	11.38465	2.07675	ug/L	10/14/10	11:58	
RL ICP	Se	20.66826	18.60515	22.73136	14.11666	ug/L	10/14/10	11:58	
RL ICP	Sb	15.16625	15.17947	15.15303	0.12324	ug/L	10/14/10	11:58	
RL ICP	Sn	44.66718	42.48955	46.84482	6.89463	ug/L	10/14/10	11:58	
RL ICP	Sr	9.93351	9.87684	9.99018	0.80682	ug/L	10/14/10	11:58	
RL ICP	Ti	9.69013	9.47101	9.90925	3.19791	ug/L	10/14/10	11:58	
RL ICP	Tl	27.19405	29.78369	24.60441	13.46730	ug/L	10/14/10	11:58	
RL ICP	V	7.62815	7.69623	7.56006	1.26228	ug/L	10/14/10	11:58	
RL ICP	Zn	21.93512	21.82718	22.04306	0.69592	ug/L	10/14/10	11:58	
RL ICP	2203/1	7.28047	7.64463	6.91632	7.07365	ug/L	10/14/10	11:58	
RL ICP	2203/2	13.68804	13.76062	13.61546	0.74984	ug/L	10/14/10	11:58	
RL ICP	1960/1	15.79440	14.56832	17.02049	10.97823	ug/L	10/14/10	11:58	
RL ICP	1960/2	23.10152	20.62055	25.58249	15.18783	ug/L	10/14/10	11:58	
RL ICP	Y	1088.01806	1091.75036	1084.28576	0.48512		10/14/10	11:58	

d101310

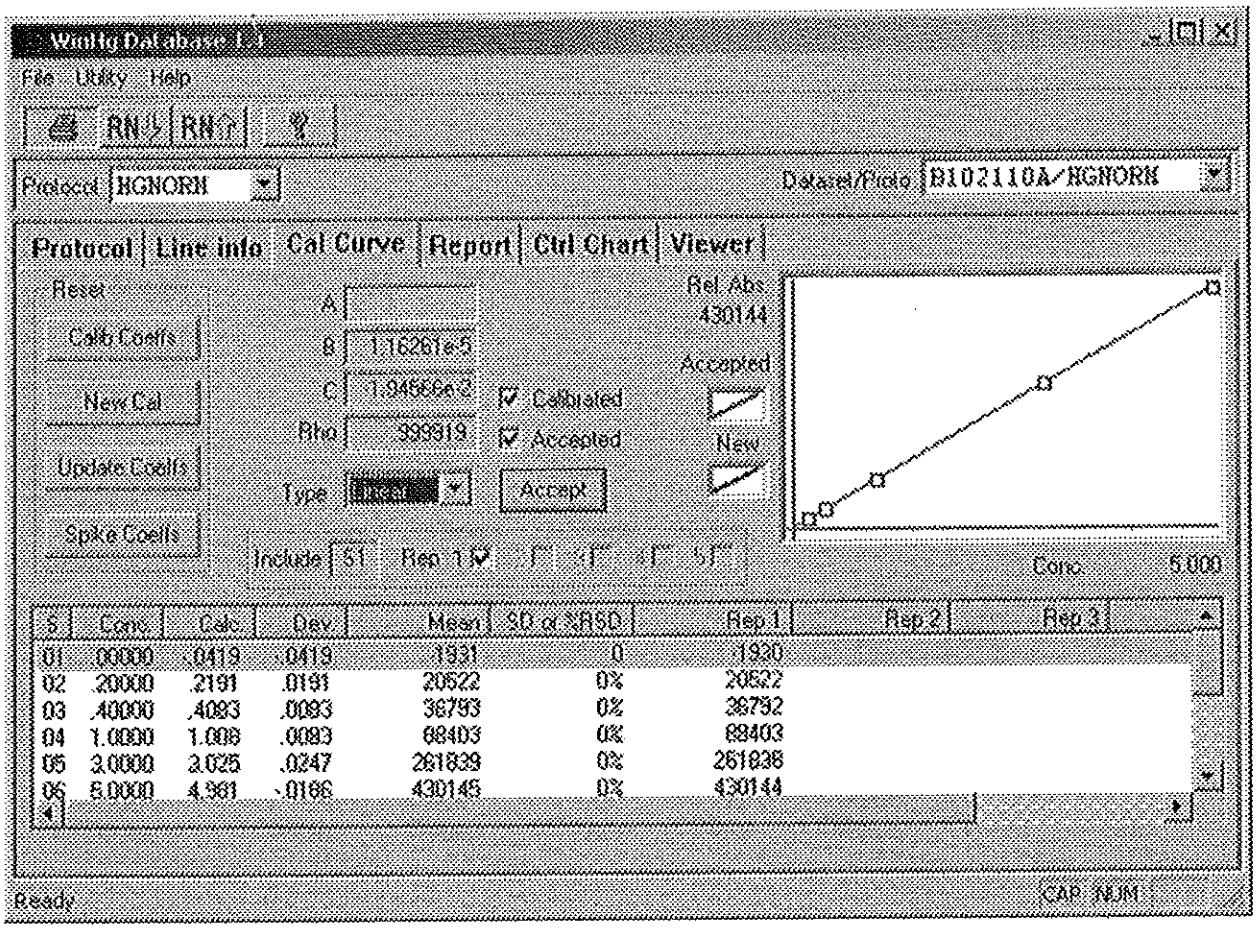
SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP	Ag	9.17808	8.12133	10.23483	16.28302	ug/L	10/14/10	12:03	
RL ICP	Al	197.07901	196.82435	197.33366	0.18273	ug/L	10/14/10	12:03	
RL ICP	2Al	0.19708	0.19683	0.19733	0.18273	mg/L	10/14/10	12:03	
RL ICP	As	20.76796	22.37527	19.16064	10.94515	ug/L	10/14/10	12:03	
RL ICP	B	100.27326	98.85288	101.69366	2.00326	ug/L	10/14/10	12:03	
RL ICP	Ba	9.61595	9.33577	9.89613	4.12060	ug/L	10/14/10	12:03	
RL ICP	Be	3.92191	3.90237	3.94146	0.70462	ug/L	10/14/10	12:03	
RL ICP	Ca	519.82336	517.51519	522.13153	0.62795	ug/L	10/14/10	12:03	
RL ICP	Cd	4.98333	4.79058	5.17608	5.47006	ug/L	10/14/10	12:03	
RL ICP	Co	9.94812	10.57559	9.32065	8.92003	ug/L	10/14/10	12:03	
RL ICP	Cr	10.51231	11.37365	9.65096	11.58761	ug/L	10/14/10	12:03	
RL ICP	Cu	19.45486	20.08076	18.82896	4.54978	ug/L	10/14/10	12:03	
RL ICP	Fe	29.41707	6.95124	51.88290	108.00355	ug/L	10/14/10	12:03	
RL ICP	2Fe	0.02941	0.00695	0.05188	107.98857	mg/L	10/14/10	12:03	
RL ICP	K	906.42517	866.16101	946.68933	6.28205	ug/L	10/14/10	12:03	
RL ICP	Mg	524.99151	525.44171	524.54132	0.12127	ug/L	10/14/10	12:03	
RL ICP	2Mg	0.52484	0.52529	0.52438	0.12235	mg/L	10/14/10	12:03	
RL ICP	Mn	11.38743	11.52605	11.24882	1.72149	ug/L	10/14/10	12:03	
RL ICP	Mo	6.86255	6.59648	7.12862	5.48309	ug/L	10/14/10	12:03	
RL ICP	Na	607.66680	404.95388	810.37969	47.17706	ug/L	10/14/10	12:03	
RL ICP	Ni	40.98368	39.92067	42.04668	3.66807	ug/L	10/14/10	12:03	
RL ICP	Pb	12.41002	9.59241	15.22763	32.10872	ug/L	10/14/10	12:03	
RL ICP	Se	23.00439	18.95013	27.05865	24.92389	ug/L	10/14/10	12:03	
RL ICP	Sb	16.33884	14.63547	18.04222	14.74358	ug/L	10/14/10	12:03	
RL ICP	Sn	44.31173	39.64941	48.97405	14.87983	ug/L	10/14/10	12:03	
RL ICP	Sr	9.96035	10.00469	9.91601	0.62959	ug/L	10/14/10	12:03	
RL ICP	Ti	9.50877	9.80262	9.21492	4.37041	ug/L	10/14/10	12:03	
RL ICP	Tl	30.87375	26.18033	35.56717	21.49883	ug/L	10/14/10	12:03	
RL ICP	V	8.46571	7.34524	9.58618	18.71769	ug/L	10/14/10	12:03	
RL ICP	Zn	22.15899	22.33665	21.98133	1.13385	ug/L	10/14/10	12:03	
RL ICP	2203/1	11.86928	5.80136	17.93721	72.29869	ug/L	10/14/10	12:03	
RL ICP	2203/2	12.67998	11.48509	13.87487	13.32672	ug/L	10/14/10	12:03	
RL ICP	1960/1	20.33140	15.02689	25.63590	36.89714	ug/L	10/14/10	12:03	
RL ICP	1960/2	24.33887	20.90880	27.76893	19.93042	ug/L	10/14/10	12:03	
RL ICP	Y	1080.17517	1079.23132	1081.11901	0.12357		10/14/10	12:03	
ICSA61	Ag	0.26098	-0.05885	0.58083	173.31077	ug/L	10/14/10	12:08	
ICSA61	Al	482942.50000	483509.00000	482376.03125	0.16588	ug/L	10/14/10	12:08	
ICSA61	2Al	482.91235	483.47427	482.35040	0.16456	mg/L	10/14/10	12:08	
ICSA61	As	-0.50627	-2.13199	1.11944	454.12329	ug/L	10/14/10	12:08	
ICSA61	B	14.52968	15.19477	13.86460	6.47344	ug/L	10/14/10	12:08	
ICSA61	Ba	0.62593	0.65854	0.59332	7.36782	ug/L	10/14/10	12:08	
ICSA61	Be	0.08711	0.11558	0.05865	46.20595	ug/L	10/14/10	12:08	
ICSA61	Ca	531758.12500	532781.06250	530735.18750	0.27205	ug/L	10/14/10	12:08	
ICSA61	Cd	0.81463	1.09294	0.53631	48.31544	ug/L	10/14/10	12:08	
ICSA61	Co	0.71260	0.89269	0.53252	35.73974	ug/L	10/14/10	12:08	
ICSA61	Cr	1.98535	2.42058	1.55012	31.00256	ug/L	10/14/10	12:08	
ICSA61	Cu	1.30079	1.44724	1.15434	15.92191	ug/L	10/14/10	12:08	
ICSA61	Fe	192590.56250	192809.01562	192372.09375	0.16041	ug/L	10/14/10	12:08	
ICSA61	2Fe	192.54818	192.76480	192.33158	0.15909	mg/L	10/14/10	12:08	
ICSA61	K	-25.31487	-12.98088	-37.64885	68.90372	ug/L	10/14/10	12:08	
ICSA61	Mg	524895.37500	526084.31250	523706.43750	0.32033	ug/L	10/14/10	12:08	
ICSA61	2Mg	524.66589	525.84820	523.48364	0.31867	mg/L	10/14/10	12:08	
ICSA61	Mn	17.19741	17.43677	16.95805	1.96834	ug/L	10/14/10	12:08	
ICSA61	Mo	-4.93806	-5.27354	-4.60258	9.60781	ug/L	10/14/10	12:08	
ICSA61	Na	-113.52806	-53.87638	-173.17973	74.30780	ug/L	10/14/10	12:08	
ICSA61	Ni	-0.18948	-0.67373	0.29475	361.40667	ug/L	10/14/10	12:08	
ICSA61	Pb	1.29719	0.28012	2.31426	110.88178	ug/L	10/14/10	12:08	
ICSA61	Se	0.38644	1.14800	-0.37510	278.69064	ug/L	10/14/10	12:08	
ICSA61	Sb	-1.10110	3.95523	-6.15743	649.41632	ug/L	10/14/10	12:08	
ICSA61	Sn	-0.12537	3.45728	-3.70803	4041.08691	ug/L	10/14/10	12:08	
ICSA61	Sr	2.31173	2.34186	2.28159	1.84364	ug/L	10/14/10	12:08	
ICSA61	Ti	1.68346	1.86963	1.49729	15.63948	ug/L	10/14/10	12:08	
ICSA61	Tl	1.10824	7.72654	-5.51006	844.55285	ug/L	10/14/10	12:08	
ICSA61	V	2.44948	3.27521	1.62374	47.67398	ug/L	10/14/10	12:08	
ICSA61	Zn	4.64675	4.98162	4.31188	10.19160	ug/L	10/14/10	12:08	
ICSA61	2203/1	1.91554	6.05727	-2.22618	305.77685	ug/L	10/14/10	12:08	
ICSA61	2203/2	0.98848	-2.60411	4.58108	513.99096	ug/L	10/14/10	12:08	
ICSA61	1960/1	-6.98968	-7.33510	-6.64426	6.98886	ug/L	10/14/10	12:08	
ICSA61	1960/2	4.06898	5.38319	2.75477	45.67658	ug/L	10/14/10	12:08	
ICSA61	Y	1005.96209	1006.45739	1005.46679	0.06963		10/14/10	12:08	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB61	Ag	204.54782	204.60571	204.48992	0.04002	ug/L	10/14/10	12:13	
ICSAB61	Al	496763.68750	496502.28125	497025.09375	0.07441	ug/L	10/14/10	12:13	
ICSAB61	2Al	496.76623	496.50817	497.02432	0.07346	mg/L	10/14/10	12:13	
ICSAB61	As	98.27232	99.18022	97.36443	1.30652	ug/L	10/14/10	12:13	
ICSAB61	B	13.52273	14.60741	12.43805	11.34362	ug/L	10/14/10	12:13	
ICSAB61	Ba	509.48828	509.88598	509.09060	0.11038	ug/L	10/14/10	12:13	
ICSAB61	Be	520.19061	520.35156	520.02966	0.04375	ug/L	10/14/10	12:13	
ICSAB61	Ca	544497.18750	544225.81250	544768.56250	0.07048	ug/L	10/14/10	12:13	
ICSAB61	Cd	1004.33306	1005.28497	1003.38116	0.13403	ug/L	10/14/10	12:13	
ICSAB61	Co	486.39392	487.32131	485.46652	0.26964	ug/L	10/14/10	12:13	
ICSAB61	Cr	493.91442	493.79421	494.03463	0.03441	ug/L	10/14/10	12:13	
ICSAB61	Cu	515.80334	516.15936	515.44726	0.09762	ug/L	10/14/10	12:13	
ICSAB61	Fe	197670.21875	197558.60937	197781.81250	0.07984	ug/L	10/14/10	12:13	
ICSAB61	2Fe	197.64031	197.52998	197.75067	0.07895	mg/L	10/14/10	12:13	
ICSAB61	K	-38.60120	-28.57461	-48.62778	36.73390	ug/L	10/14/10	12:13	
ICSAB61	Mg	538024.37500	537952.56250	538096.18750	0.01887	ug/L	10/14/10	12:13	
ICSAB61	2Mg	537.82519	537.75653	537.89379	0.01804	mg/L	10/14/10	12:13	
ICSAB61	Mn	505.45669	505.67373	505.23965	0.06072	ug/L	10/14/10	12:13	
ICSAB61	Mo	1004.15869	1004.85247	1003.46484	0.09771	ug/L	10/14/10	12:13	
ICSAB61	Na	-140.22113	-32.68056	-247.76170	108.46105	ug/L	10/14/10	12:13	
ICSAB61	Ni	978.42272	980.38629	976.45916	0.28381	ug/L	10/14/10	12:13	
ICSAB61	Pb	49.27037	49.24574	49.29501	0.07071	ug/L	10/14/10	12:13	
ICSAB61	Se	56.33053	57.08161	55.57944	1.88564	ug/L	10/14/10	12:13	
ICSAB61	Sb	581.28820	575.03100	587.54541	1.52231	ug/L	10/14/10	12:13	
ICSAB61	Sn	988.33489	993.48608	983.18371	0.73708	ug/L	10/14/10	12:13	
ICSAB61	Sr	2.31084	2.32085	2.30083	0.61274	ug/L	10/14/10	12:13	
ICSAB61	Ti	1.09247	1.11497	1.06997	2.91295	ug/L	10/14/10	12:13	
ICSAB61	Tl	104.48460	101.82502	107.14418	3.59977	ug/L	10/14/10	12:13	
ICSAB61	V	503.25729	504.26422	502.25036	0.28295	ug/L	10/14/10	12:13	
ICSAB61	Zn	1024.35791	1024.44970	1024.26623	0.01266	ug/L	10/14/10	12:13	
ICSAB61	2203/1	49.96929	47.60057	52.33803	6.70389	ug/L	10/14/10	12:13	
ICSAB61	2203/2	48.92144	50.06709	47.77579	3.31183	ug/L	10/14/10	12:13	
ICSAB61	1960/1	56.51533	51.14606	61.88461	13.43582	ug/L	10/14/10	12:13	
ICSAB61	1960/2	56.23826	60.04494	52.43159	9.57257	ug/L	10/14/10	12:13	
ICSAB61	Y	991.39556	991.63739	991.15374	0.03449		10/14/10	12:13	
CCV	Ag	466.85668	466.74734	466.96600	0.03311	ug/L	10/14/10	12:19	
CCV	Al	4703.80957	4706.05859	4701.56054	0.06761	ug/L	10/14/10	12:19	
CCV	2Al	4.70362	4.70596	4.70128	0.07045	mg/L	10/14/10	12:19	
CCV	As	481.80941	484.46163	479.15719	0.77848	ug/L	10/14/10	12:19	
CCV	B	4785.05761	4776.24072	4793.87451	0.26058	ug/L	10/14/10	12:19	
CCV	Ba	4749.62597	4745.14794	4754.10351	0.13332	ug/L	10/14/10	12:19	
CCV	Be	489.35937	490.12887	488.58984	0.22238	ug/L	10/14/10	12:19	
CCV	Ca	5002.78222	5009.48632	4996.07763	0.18952	ug/L	10/14/10	12:19	
CCV	Cd	497.18383	499.09210	495.27560	0.54279	ug/L	10/14/10	12:19	
CCV	Co	489.75769	491.10366	488.41171	0.38866	ug/L	10/14/10	12:19	
CCV	Cr	4868.40039	4869.03759	4867.76269	0.01851	ug/L	10/14/10	12:19	
CCV	Cu	4669.43554	4665.95361	4672.91796	0.10546	ug/L	10/14/10	12:19	
CCV	Fe	4857.61132	4868.43945	4846.78369	0.31523	ug/L	10/14/10	12:19	
CCV	2Fe	4.85760	4.86843	4.84678	0.31520	mg/L	10/14/10	12:19	
CCV	K	9156.83593	9145.27148	9168.40136	0.17861	ug/L	10/14/10	12:19	
CCV	Mg	5051.28955	5066.19775	5036.38134	0.41738	ug/L	10/14/10	12:19	
CCV	2Mg	5.05126	5.06616	5.03635	0.41723	mg/L	10/14/10	12:19	
CCV	Mn	4914.51171	4915.34375	4913.67968	0.02394	ug/L	10/14/10	12:19	
CCV	Mo	490.94659	492.75277	489.14041	0.52028	ug/L	10/14/10	12:19	
CCV	Na	6969.06494	6950.06054	6988.06933	0.38565	ug/L	10/14/10	12:19	
CCV	Ni	2471.41748	2475.30371	2467.53100	0.22238	ug/L	10/14/10	12:19	
CCV	Pb	502.34167	502.92187	501.76150	0.16333	ug/L	10/14/10	12:19	
CCV	Se	4828.67285	4822.08544	4835.25976	0.19292	ug/L	10/14/10	12:19	
CCV	Sb	466.88366	466.94085	466.82644	0.01732	ug/L	10/14/10	12:19	
CCV	Sn	4893.46875	4901.30322	4885.63427	0.22641	ug/L	10/14/10	12:19	
CCV	Sr	2372.25561	2366.25927	2378.25195	0.35747	ug/L	10/14/10	12:19	
CCV	Ti	477.03680	476.57760	477.49597	0.13612	ug/L	10/14/10	12:19	
CCV	Tl	4846.90087	4840.79785	4853.00390	0.17807	ug/L	10/14/10	12:19	
CCV	V	4828.75585	4827.22412	4830.28808	0.04486	ug/L	10/14/10	12:19	
CCV	Zn	2535.32739	2539.59497	2531.05981	0.23804	ug/L	10/14/10	12:19	
CCV	2203/1	497.28100	502.23849	492.32354	1.40985	ug/L	10/14/10	12:19	
CCV	2203/2	504.86822	503.26303	506.47341	0.44963	ug/L	10/14/10	12:19	
CCV	1960/1	4865.63037	4881.03271	4850.22802	0.44767	ug/L	10/14/10	12:19	
CCV	1960/2	4810.22167	4792.65625	4827.78662	0.51641	ug/L	10/14/10	12:19	
CCV	Y	1078.91552	1081.74291	1076.08801	0.37061		10/14/10	12:19	

d101310

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.22872	-1.29041	0.83296	656.44519	ug/L	10/14/10	12:27	
CCB	Al	-13.32212	-14.31677	-12.32746	10.55878	ug/L	10/14/10	12:27	
CCB	2Al	-0.01332	-0.01431	-0.01232	10.55872	mg/L	10/14/10	12:27	
CCB	As	-6.90043	-8.79446	-5.00640	38.81732	ug/L	10/14/10	12:27	
CCB	B	2.91473	3.50857	2.32089	28.81298	ug/L	10/14/10	12:27	
CCB	Ba	-0.08933	-0.21489	0.03623	198.78041	ug/L	10/14/10	12:27	
CCB	Be	0.01218	-0.00593	0.03030	210.27702	ug/L	10/14/10	12:27	
CCB	Ca	7.66097	8.42850	6.89345	14.16844	ug/L	10/14/10	12:27	
CCB	Cd	-0.11456	-0.29496	0.06583	222.68226	ug/L	10/14/10	12:27	
CCB	Co	-0.04424	0.18591	-0.27440	735.69201	ug/L	10/14/10	12:27	
CCB	Cr	0.25678	0.31587	0.19769	32.54410	ug/L	10/14/10	12:27	
CCB	Cu	-0.80042	-1.16780	-0.43304	64.90966	ug/L	10/14/10	12:27	
CCB	Fe	-9.47480	-16.79511	-2.15448	109.26344	ug/L	10/14/10	12:27	
CCB	2Fe	-0.00947	-0.01679	-0.00215	109.26228	mg/L	10/14/10	12:27	
CCB	K	-20.47999	-34.32010	-6.63988	95.57069	ug/L	10/14/10	12:27	
CCB	Mg	4.94531	6.37996	3.51065	41.02683	ug/L	10/14/10	12:27	
CCB	2Mg	0.00494	0.00638	0.00351	41.04392	mg/L	10/14/10	12:27	
CCB	Mn	1.99652	2.12591	1.86714	9.16495	ug/L	10/14/10	12:27	
CCB	Mo	-3.30528	-4.63961	-1.97096	57.09098	ug/L	10/14/10	12:27	
CCB	Na	-26.63034	-62.85496	9.59428	192.37213	ug/L	10/14/10	12:27	
CCB	Ni	1.01574	0.28852	1.74296	101.25047	ug/L	10/14/10	12:27	
CCB	Pb	0.98619	-1.15023	3.12263	306.36608	ug/L	10/14/10	12:27	
CCB	Se	-0.60948	-4.47082	3.25186	895.96612	ug/L	10/14/10	12:27	
CCB	Sb	-0.80676	0.01837	-1.63189	144.64260	ug/L	10/14/10	12:27	
CCB	Sn	-4.24014	-5.72703	-2.75325	49.59212	ug/L	10/14/10	12:27	
CCB	Sr	0.03188	0.04758	0.01618	69.65368	ug/L	10/14/10	12:27	
CCB	Ti	-0.38065	-0.36978	-0.39151	4.03657	ug/L	10/14/10	12:27	
CCB	Tl	2.75313	6.09232	-0.58606	171.52615	ug/L	10/14/10	12:27	
CCB	V	-0.68518	-1.28817	-0.08220	124.45525	ug/L	10/14/10	12:27	
CCB	Zn	0.39394	0.14924	0.63863	87.84382	ug/L	10/14/10	12:27	
CCB	2203/1	-1.29256	-5.00857	2.42344	406.57458	ug/L	10/14/10	12:27	
CCB	2203/2	2.12387	0.77603	3.47170	89.74768	ug/L	10/14/10	12:27	
CCB	1960/1	-0.33504	-1.78784	1.11774	613.21490	ug/L	10/14/10	12:27	
CCB	1960/2	-0.74649	-5.81031	4.31731	959.32427	ug/L	10/14/10	12:27	
CCB	Y	1109.84252	1110.79797	1108.88696	0.12175		10/14/10	12:27	



$r = 0.99992$

$m = 0.00001163$

$b = -0.019457$

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 1 09:13:31 21 Oct 10 HG

Hg .0000 ppb -1930

*** Standard: 2 Rep: 1 Seq: 2 09:16:22 21 Oct 10 HG

Hg .2000 ppb 20522

*** Standard: 3 Rep: 1 Seq: 3 09:19:21 21 Oct 10 HG

Hg .4000 ppb 36792

*** Standard: 4 Rep: 1 Seq: 4 09:22:36 21 Oct 10 HG

Hg 1.000 ppb 88403

*** Standard: 5 Rep: 1 Seq: 5 09:26:17 21 Oct 10 HG

Hg 3.000 ppb 261838

*** Standard: 6 Rep: 1 Seq: 6 09:29:09 21 Oct 10 HG

Hg 5.000 ppb 430144

*** Check Standard: 3 Ck3ICV Seq: 7 09:39:23 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	H	203.8	6.115	3.000	ppb	.0000 %

DO NOT KNOW WHAT HAPPENED HERE RERUN BELOW JV 102110

*** Check Standard: 3 Ck3ICV Seq: 8 09:43:59 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.8	3.053	3.000	ppb	.0000 %

*** Check Standard: 4 Ck4ICB Seq: 9 09:46:53 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	L	-18.39	-.0184	.1000	ppb	.0000 %

*** Check Standard: 7 Ck7CCV Seq: 10 10:14:30 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		111.4	2.785	2.500	ppb	.0000 %

*** Check Standard: 6 Ck6CCB Seq: 11 10:17:29 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	L	-14.89	-.0149	.1000	ppb	.0000 %

*** Sample ID: CRA Seq: 12 10:20:19 21 Oct 10 HG
7470A JV 183384
Hg .2215 ppb .0000 % .2215

*** Sample ID: PBW Seq: 13 10:23:19 21 Oct 10 HG
7470A JV 183384
Hg -.0053 ppb .0000 % -.0053

*** Sample ID: LCS Seq: 14 10:26:14 21 Oct 10 HG
7470A JV 183384
101% Hg 2.545 ppb .0000 % 2.545

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 62193-1                Seq:  15     10:29:32 21 Oct 10   HG
                            7470A JV 183384
Hg   -.0010   ppb        .0000 %  -.0010

*** Sample ID: 62193-2                Seq:  16     10:32:40 21 Oct 10   HG
                            7470A JV 183384
Hg    .1213   ppb        .0000 %   .1213

*** Sample ID: 62193-3                Seq:  17     10:35:40 21 Oct 10   HG
                            7470A JV 183384
Hg   -.0336   ppb        .0000 %  -.0336

*** Sample ID: 62193-4                Seq:  18     10:38:32 21 Oct 10   HG
                            7470A JV 183384
Hg    .0347   ppb        .0000 %   .0347

*** Sample ID: 62193-5                Seq:  19     10:41:52 21 Oct 10   HG
                            7470A JV 183384
Hg    .0145   ppb        .0000 %   .0145

*** Sample ID: 30478-2                Seq:  20     10:44:41 21 Oct 10   HG
                            7470A JV 183384
Hg   -.0007   ppb        .0000 %  -.0007

*** Sample ID: 30478-3                Seq:  21     10:48:31 21 Oct 10   HG
                            7470A JV 183384
Hg   -.0102   ppb        .0000 %  -.0102

*** Check Standard: 7  Ck7CCV        Seq:  22     10:51:21 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          110.1    2.753   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  23     10:54:10 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -3.447   -.0034   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV        Seq:  24     10:57:00 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          112.2    2.806   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  25     10:59:55 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -22.98   -.0230   .1000  ppb        .0000 %

*** Sample ID: PBW                    Seq:  26     11:02:46 21 Oct 10   HG
                            7471A JV 183545
Hg   -.0027   ppb        .0000 %  -.0027

*** Sample ID: LCS                    Seq:  27     11:05:38 21 Oct 10   HG
                            7471A JV 183545
Hg    2.715   ppb        .0000 %   2.715
```

109%

Folder: B102110A
11:08:28 21 Oct 2010 Protocol: HGNORM

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 62013-17 Seq: 28 11:08:28 21 Oct 10 HG
7471A JV 183545
Hg .0753 ppb .0000 % .0753

*** Sample ID: 62013-17DU Seq: 29 11:11:17 21 Oct 10 HG
7471A JV 183545
Hg .0787 ppb .0000 % .0787

*** Sample ID: 62013-17MS Seq: 30 11:14:13 21 Oct 10 HG
7471A JV 183545
Hg 1.212 ppb .0000 % 1.212

*** Sample ID: 62013-29 Seq: 31 11:17:24 21 Oct 10 HG
7471A JV 183545
Hg .1070 ppb .0000 % .1070

*** Sample ID: 62013-30 Seq: 32 11:20:33 21 Oct 10 HG
7471A JV 183545
Hg .2092 ppb .0000 % .2092

*** Sample ID: 62013-31 Seq: 33 11:23:24 21 Oct 10 HG
7471A JV 183545
Hg .0896 ppb .0000 % .0896

*** Sample ID: 62013-32 Seq: 34 11:26:17 21 Oct 10 HG
7471A JV 183545
Hg .1093 ppb .0000 % .1093

*** Sample ID: 62013-33 Seq: 35 11:29:09 21 Oct 10 HG
7471A JV 183545
Hg .0759 ppb .0000 % .0759

*** Check Standard: 7 Ck7CCV Seq: 36 11:32:02 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.4	2.535	2.500	ppb	.0000 %

*** Check Standard: 6 Ck6CCB Seq: 37 11:34:53 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	L	-1.878	-.0019	.1000	ppb	.0000 %

*** Check Standard: 7 Ck7CCV Seq: 38 11:40:16 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.6	2.564	2.500	ppb	.0000 %

*** Check Standard: 6 Ck6CCB Seq: 39 11:43:10 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	L	-41.38	-.0414	.1000	ppb	.0000 %

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 62013-17MS Seq: 40 11:45:59 21 Oct 10 HG
7471A JV 183545

Hg	.9162	ppb	.0000 %	.9162

*** Check Standard: 7 Ck7CCV Seq: 41 11:49:09 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		92.79	2.320	2.500	ppb	.0000 %

*** Check Standard: 6 Ck6CCB Seq: 42 11:51:59 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	L	-24.28	-.0243	.1000	ppb	.0000 %

Folder: B102110A
12:01:16 21 Oct 2010 Protocol: HGNORM

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 7 Ck7CCV Seq: 43 12:01:16 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		90.42	2.261	2.500	ppb	.0000 %

*** Check Standard: 6 Ck6CCB Seq: 44 12:04:06 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		10.54	.0105	.1000	ppb	.0000 %

*** Sample ID: 30478-4 Seq: 45 12:06:56 21 Oct 10 HG
7470A JV 183384
Hg .9801 ppb .0000 % .9801

*** Sample ID: 30478-5 Seq: 46 12:09:49 21 Oct 10 HG
7470A JV 183384
Hg .2465 ppb .0000 % .2465

*** Sample ID: 37704-2 Seq: 47 12:12:52 21 Oct 10 HG
7470A JV 183384
Hg -.0082 ppb .0000 % -.0082

*** Sample ID: 37704-2MS Seq: 48 12:16:04 21 Oct 10 HG
7470A JV 183384
Hg 1.104 ppb .0000 % 1.104

*** Sample ID: 37704-2MSD Seq: 49 12:19:02 21 Oct 10 HG
7470A JV 183384
Hg 1.046 ppb .0000 % 1.046

*** Sample ID: 30478-6 Seq: 50 12:22:06 21 Oct 10 HG
7470A JV 183384
Hg -.0046 ppb .0000 % -.0046

*** Sample ID: 37704-1 Seq: 51 12:25:00 21 Oct 10 HG
7470A JV 183384
Hg .0409 ppb .0000 % .0409

*** Sample ID: 37704-3 Seq: 52 12:27:51 21 Oct 10 HG
7470A JV 183384
Hg .0302 ppb .0000 % .0302

*** Sample ID: 62148-1 Seq: 53 12:30:40 21 Oct 10 HG
7470A JV 183384
Hg .0266 ppb .0000 % .0266

*** Sample ID: 62148-2 Seq: 54 12:33:41 21 Oct 10 HG
7470A JV 183384
Hg -.0062 ppb .0000 % -.0062

*** Check Standard: 7 Ck7CCV Seq: 55 12:36:36 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.84	2.371	2.500	ppb	.0000 %

Folder: B102110A
Protocol: HGNORM

12:39:29 21 Oct 2010

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 6 Ck6CCB Seq: 56 12:39:29 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		2.621	.0026	.1000	ppb	.0000 %

*** Sample ID: 30469-8 Seq: 57 12:42:31 21 Oct 10 HG
7470A JV 183384

Hg .1237 ppb .0000 % .1237

*** Check Standard: 7 Ck7CCV Seq: 58 12:51:42 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		93.92	2.348	2.500	ppb	.0000 %

*** Check Standard: 6 Ck6CCB Seq: 59 12:54:32 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		2.145	.0021	.1000	ppb	.0000 %

*** Check Standard: 7 Ck7CCV Seq: 60 13:03:31 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		93.05	2.326	2.500	ppb	.0000 %

*** Check Standard: 6 Ck6CCB Seq: 61 13:06:24 21 Oct 10 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg	L	-26.86	-.0269	.1000	ppb	.0000 %

*** Sample ID: 30469-8 Seq: 62 13:09:19 21 Oct 10 HG
7470A JV 183384

Hg .1084 ppb .0000 % .1084

*** Sample ID: 62242-4 Seq: 63 13:12:12 21 Oct 10 HG
7470A JV 183384

Hg .0232 ppb .0000 % .0232

*** Sample ID: 62242-4DU Seq: 64 13:15:14 21 Oct 10 HG
7470A JV 183384

Hg -.0265 ppb .0000 % -.0265

*** Sample ID: 62242-4MS Seq: 65 13:18:13 21 Oct 10 HG
7470A JV 183384

Hg 1.042 ppb .0000 % 1.042

*** Sample ID: PBW Seq: 66 13:21:03 21 Oct 10 HG
7470A JV 183423

Hg -.0538 ppb .0000 % -.0538

*** Sample ID: LCS Seq: 67 13:23:53 21 Oct 10 HG
7470A JV 183423

116% Hg 2.653 ppb .0000 % 2.653

*** Sample ID: 62218-1 Seq: 68 13:26:53 21 Oct 10 HG
7470A JV 183423

Hg .4423 ppb .0000 % .4423

*** Sample ID: 62218-2 Seq: 69 13:29:48 21 Oct 10 HG
7470A JV 183423

Hg .0536 ppb .0000 % .0536

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 62218-3                Seq:  70     13:33:03 21 Oct 10   HG
                            7470A JV 183423
Hg    .4472   ppb       .0000 %   .4472

*** Sample ID: 62218-4                Seq:  71     13:35:54 21 Oct 10   HG
                            7470A JV 183423
Hg   -.0244   ppb       .0000 %  -.0244

*** Check Standard: 7  Ck7CCV        Seq:  72     13:38:47 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          96.59    2.415   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  73     13:42:08 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          12.70    .0127   .1000  ppb        .0000 %

*** Sample ID: 62218-25               Seq:  74     13:45:01 21 Oct 10   HG
                            7470A JV 183423
Hg    .0297   ppb       .0000 %   .0297

*** Sample ID: 62218-26               Seq:  75     13:47:52 21 Oct 10   HG
                            7470A JV 183423
Hg    .0124   ppb       .0000 %   .0124

*** Sample ID: 62218-27               Seq:  76     13:50:55 21 Oct 10   HG
                            7470A JV 183423
Hg   -.0180   ppb       .0000 %  -.0180

*** Sample ID: 62218-28               Seq:  77     13:53:48 21 Oct 10   HG
                            7470A JV 183423
Hg    .0233   ppb       .0000 %   .0233

*** Sample ID: 62218-29               Seq:  78     13:56:59 21 Oct 10   HG
                            7470A JV 183423
Hg   -.0405   ppb       .0000 %  -.0405

*** Sample ID: 62218-30               Seq:  79     14:00:37 21 Oct 10   HG
                            7470A JV 183423
Hg    .0407   ppb       .0000 %   .0407

*** Sample ID: 62218-30MS             Seq:  80     14:03:49 21 Oct 10   HG
                            7470A JV 183423
Hg    1.106   ppb       .0000 %   1.106

*** Sample ID: 62218-30SD             Seq:  81     14:06:38 21 Oct 10   HG
                            7470A JV 183423
Hg    1.059   ppb       .0000 %   1.059

*** Sample ID: 62218-31               Seq:  82     14:09:38 21 Oct 10   HG
                            7470A JV 183423
Hg    .0133   ppb       .0000 %   .0133

*** Sample ID: 62246-8                Seq:  83     14:12:49 21 Oct 10   HG
                            7470A JV 183423
Hg    .0053   ppb       .0000 %   .0053
```

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 7 Ck7CCV Seq: 84 14:15:50 21 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 99.37 2.484 2.500 ppb .0000 %

*** Check Standard: 6 Ck6CCB Seq: 85 14:18:51 21 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 13.34 .0133 .1000 ppb .0000 %

*** Sample ID: 62246-9 Seq: 86 14:22:02 21 Oct 10 HG
7470A JV 183423
Hg .0171 ppb .0000 % .0171

*** Sample ID: 62246-10 Seq: 87 14:26:12 21 Oct 10 HG
7470A JV 183423
Hg .0005 ppb .0000 % .0005

*** Sample ID: 62246-11 Seq: 88 14:29:17 21 Oct 10 HG
7470A JV 183423
Hg .0155 ppb .0000 % .0155

*** Sample ID: 62246-12 Seq: 89 14:32:07 21 Oct 10 HG
7470A JV 183423
Hg .0054 ppb .0000 % .0054

*** Sample ID: 62246-13 Seq: 90 14:35:28 21 Oct 10 HG
7470A JV 183423
Hg .0181 ppb .0000 % .0181

*** Sample ID: 62246-14 Seq: 91 14:38:19 21 Oct 10 HG
7470A JV 183423
Hg .0859 ppb .0000 % .0859

*** Check Standard: 7 Ck7CCV Seq: 92 14:51:52 21 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 97.47 2.437 2.500 ppb .0000 %

*** Check Standard: 6 Ck6CCB Seq: 93 14:54:44 21 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg L -5.447 -.0054 .1000 ppb .0000 %

*** Sample ID: 30469-8 Seq: 94 14:58:04 21 Oct 10 HG
7470A JV 183384
Hg .0669 ppb .0000 % .0669

*** Sample ID: 62242-4 Seq: 95 15:00:54 21 Oct 10 HG
7470A JV 183384
Hg .0096 ppb .0000 % .0096

*** Sample ID: 62242-4DU Seq: 96 15:04:39 21 Oct 10 HG
7470A JV 183384
Hg -.0045 ppb .0000 % -.0045

*** Sample ID: 62242-4MS Seq: 97 15:07:29 21 Oct 10 HG
7470A JV 183384
Hg 1.126 ppb .0000 % 1.126

ALREADY RUN PRIOR PAGE 58
10.21.10

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: PBW                    Seq:  98     15:10:19 21 Oct 10   HG
                            7470A JV 183423
Hg   -.0512   ppb       .0000 %  -.0512

*** Check Standard: 7  Ck7CCV        Seq:  99     15:16:06 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          97.35    2.434   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  100    15:19:02 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          28.23    .0282   .1000  ppb        .0000 %

*** Sample ID: PBS                    Seq:  101    15:21:54 21 Oct 10   HG
                            7471A JV 183493
Hg   -.0222   ppb       .0000 %  -.0222

*** Sample ID: LCS                    Seq:  102    15:24:45 21 Oct 10   HG
                            7471A JV 183493
107% Hg    2.675   ppb       .0000 %   2.675

*** Sample ID: 62043-1                Seq:  103    15:27:39 21 Oct 10   HG
                            7471A JV 183493
Hg    .1849   ppb       .0000 %   .1849

*** Sample ID: 62043-2                Seq:  104    15:30:31 21 Oct 10   HG
                            7471A JV 183493
Hg    .0474   ppb       .0000 %   .0474

*** Sample ID: 62043-3                Seq:  105    15:33:23 21 Oct 10   HG
                            7471A JV 183493
Hg    .0201   ppb       .0000 %   .0201

*** Sample ID: 62043-4                Seq:  106    15:37:36 21 Oct 10   HG
                            7471A JV 183493
Hg    .0782   ppb       .0000 %   .0782

*** Sample ID: 62146-1                Seq:  107    15:41:33 21 Oct 10   HG
                            7471A JV 183493
Hg    .0543   ppb       .0000 %   .0543

*** Sample ID: 62146-2                Seq:  108    15:44:54 21 Oct 10   HG
                            7471A JV 183493
Hg    .0008   ppb       .0000 %   .0008

*** Sample ID: 62095-1                Seq:  109    15:47:50 21 Oct 10   HG
                            7471A JV 183493
Hg    .0329   ppb       .0000 %   .0329

*** Sample ID: 62177-1                Seq:  110    15:51:32 21 Oct 10   HG
                            7471A JV 183493
Hg    .0503   ppb       .0000 %   .0503

*** Check Standard: 7  Ck7CCV        Seq:  111    15:54:28 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.4    2.510   2.500  ppb        .0000 %
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 6  Ck6CCB       Seq:  112     15:57:40 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -23.43   -.0234   .1000  ppb        .0000 %

*** Sample ID: 62177-1DU            Seq:  113    16:00:40 21 Oct 10   HG
                           7471A JV 183493
Hg    .0772   ppb       .0000 %   .0772

*** Sample ID: 62177-1MS            Seq:  114    16:03:42 21 Oct 10   HG
                           7471A JV 183493
Hg    1.222   ppb       .0000 %   1.222

*** Check Standard: 7  Ck7CCV       Seq:  115     16:08:48 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.2    2.580   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB       Seq:  116     16:11:42 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -24.50   -.0245   .1000  ppb        .0000 %

*** Sample ID: 62177-1MS            Seq:  117    16:14:55 21 Oct 10   HG
                           7471A JV 183493
Hg    1.139   ppb       .0000 %   1.139

*** Sample ID: 62177-2              Seq:  118    16:18:17 21 Oct 10   HG
                           7471A JV 183493
Hg    .0415   ppb       .0000 %   .0415

*** Sample ID: 62309-1X2            Seq:  119    16:21:08 21 Oct 10   HG
                           7471A JV 183493X2
Hg    4.632   ppb       .0000 %   4.632

*** Sample ID: 62309-2X2            Seq:  120    16:24:13 21 Oct 10   HG
                           7471A JV 183493X2
Hg    1.966   ppb       .0000 %   1.966

*** Sample ID: 62211-1              Seq:  121    16:27:26 21 Oct 10   HG
                           7471A JV 183493
Hg   -.0143   ppb       .0000 %  -.0143

*** Sample ID: 62211-2              Seq:  122    16:30:28 21 Oct 10   HG
                           7471A JV 183493
Hg    .0212   ppb       .0000 %   .0212

*** Sample ID: 62275-1              Seq:  123    16:34:42 21 Oct 10   HG
                           7471A JV 183493
Hg    .0976   ppb       .0000 %   .0976

*** Sample ID: 62274-1              Seq:  124    16:37:47 21 Oct 10   HG
                           7471A JV 183493
Hg    4.433   ppb       .0000 %   4.433

*** Sample ID: 62296-1              Seq:  125    16:40:53 21 Oct 10   HG
                           7471A JV 183493
Hg    .0949   ppb       .0000 %   .0949
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------------

*** Sample ID: 62296-2                Seq:  126    16:44:00 21 Oct 10   HG
                            7471A JV 183493
Hg   -.0256   ppb       .0000 %  -.0256

*** Check Standard: 7  Ck7CCV        Seq:  127    16:46:55 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          111.1    2.777   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  128    16:49:47 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -14.59   -.0146   .1000  ppb        .0000 %

*** Sample ID: 62296-3                Seq:  129    16:52:42 21 Oct 10   HG
                            7471A JV 183493
Hg   -.0227   ppb       .0000 %  -.0227

*** Sample ID: 62143-1X2              Seq:  130    16:55:33 21 Oct 10   HG
                            7471A JV 183493X2
Hg    3.418   ppb       .0000 %   3.418

*** Sample ID: 62143-1X5              Seq:  131    16:58:25 21 Oct 10   HG
                            7471A JV 183493X5
Hg    1.448   ppb       .0000 %   1.448

*** Sample ID: 62309-1X5              Seq:  132    17:01:18 21 Oct 10   HG
                            7471A JV 183493X5
Hg    2.261   ppb       .0000 %   2.261

*** Check Standard: 7  Ck7CCV        Seq:  133    17:04:09 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          109.2    2.731   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  134    17:07:04 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -30.89   -.0309   .1000  ppb        .0000 %

*** Sample ID: 62309-1                Seq:  135    17:10:04 21 Oct 10   HG
                            7471A JV 183493
Hg    10.44   ppb       .0000 %   10.44

*** Sample ID: 62309-2                Seq:  136    17:12:58 21 Oct 10   HG
                            7471A JV 183493
Hg    4.681   ppb       .0000 %   4.681

*** Sample ID: 62143-1                Seq:  137    17:16:00 21 Oct 10   HG
                            7471A JV 183493
Hg    8.302   ppb       .0000 %   8.302

*** Check Standard: 7  Ck7CCV        Seq:  138    17:18:55 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          109.7    2.743   2.500  ppb        .0000 %

*** Check Standard: 6  Ck6CCB        Seq:  139    17:21:47 21 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -2.924   -.0029   .1000  ppb        .0000 %
```

Metals Worksheet

Batch Number: 680-182698
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Oct 12 2010 2:35PM
Batch End: Oct 12 2010 5:10PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	P_Spike1_00053	P_SPIKEII_00024	P_TEFLONCH_00007
680-62051-A-1			T	1.04 g	100 mL			
680-62051-A-1~MS		3050B, 6010C	T	1.04 g	100 mL	1.0 mL	1.0 mL	
680-62051-A-1~MSD		3050B, 6010C	T	1.04 g	100 mL	1.0 mL	1.0 mL	
680-62051-A-2			T	1.03 g	100 mL			
680-62051-A-3			T	1.06 g	100 mL			
680-62051-A-4			T	1.01 g	100 mL			
680-62043-A-1	WC-B82-DC-01	3050B, 6010C	T	1.08 g	100 mL			
680-62043-A-2	WC-B82-APN-01	3050B, 6010C	T	1.02 g	100 mL			
680-62043-A-3	WC-B82-GTM-01	3050B, 6010C	T	1.05 g	100 mL			
680-62043-A-4	WC-B82-GTM-02	3050B, 6010C	T	1.02 g	100 mL			
680-61920-C-1			T	1.09 g	100 mL			
680-61920-C-2			T	1.11 g	100 mL			
680-61920-B-3			T	1.10 g	100 mL			
680-61920-A-4			T	1.09 g	100 mL			
MB~680-182698/15		3050B, 6010C		1.00 g	100 mL			1.00 mL
LCS~680-182698/16		3050B, 6010C		1.00 g	100 mL	1.0 mL	1.0 mL	1.00 mL

Nominal Amount Used:	1.0 g	Oven, Bath or Block Temperature 2:	N/A Degrees C
Digestion Tube/Cup Lot #:	1005282		
Blank Soil Lot Number:	P-TEFONCH-00007		
Balance ID:	5		
Hood ID or number:	FH-8		
Hot Block ID number:	9		
Lot # of hydrochloric acid:	H45A18		
Lot # of Nitric Acid:	311045		
Logbook ID for diluted Nitric:	N/A		
Hydrogen peroxide lot number:	50153024		
ID number of the thermometer:	MESD1		
Temperature:	94 Degrees C		
Acid used for pH adjustment:	N/A		
Pipette ID:	PREP-20		
Analyst:	HM		
First Start time:	N/A		
First End time:	N/A		
Person's name who witnessed reagent drop:	N/A		
Oven, Bath or Block Temperature 1:	94 Degrees C		

Metals Worksheet

Batch Number: 680-182698
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Oct 12 2010 2:35PM
Batch End: Oct 12 2010 5:10PM

Lab ID	Client ID	Method Chain	Basis	Analysis comment (Comments)
680-62051-A-1			T	
680-62051-A-1~MS		3050B, 6010C	T	
680-62051-A-1~MSD		3050B, 6010C	T	
680-62051-A-2			T	
680-62051-A-3			T	
680-62051-A-4			T	
680-62043-A-1	WC-B82-DC-01	3050B, 6010C	T	
680-62043-A-2	WC-B82-APN-01	3050B, 6010C	T	
680-62043-A-3	WC-B82-GTM-01	3050B, 6010C	T	
680-62043-A-4	WC-B82-GTM-02	3050B, 6010C	T	
680-61920-C-1			T	
680-61920-C-2			T	
680-61920-B-3			T	
680-61920-A-4			T	
MB~680-182698/15		3050B, 6010C		
LCS~680-182698/16		3050B, 6010C		

Batch Comment: N/A

Metals Worksheet

Batch Number: 680-183493
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Oct 20 2010 11:55AM
Batch End: Oct 20 2010 12:25PM

Lab ID	Client ID	Method Chain	Basis	Target Amount of Sample to Use	Initial weight/volume of sample	Final weight/volume of sample	Hg_Int_Cal_00050
MB~680-183493/1		7471B, 7471B			0.51 g	50 mL	
LCS~680-183493/2		7471B, 7471B			0.52 g	50 mL	0.25 mL
680-62043-B-1	WC-B82-DC-01	7471B, 7471B	T	0.6265 g	0.51 g	50 mL	
680-62043-B-2	WC-B82-APN-01	7471B, 7471B	T	0.5582 g	0.52 g	50 mL	
680-62043-B-3	WC-B82-GTM-01	7471B, 7471B	T	0.5365 g	0.51 g	50 mL	
680-62043-B-4	WC-B82-GTM-02	7471B, 7471B	T	0.5476 g	0.54 g	50 mL	
680-62146-A-1			T		0.53 g	50 mL	
680-62146-A-2			T		0.54 g	50 mL	
680-62095-A-1			T		0.50 g	50 mL	
680-62177-A-1			T		0.51 g	50 mL	
680-62177-A-1~DU		7471B, 7471B	T		0.54 g	50 mL	
680-62177-A-1~MS		7471B, 7471B	T		0.52 g	50 mL	0.10 mL
680-62177-A-2			T		0.53 g	50 mL	
680-62309-A-1			T		0.50 g	50 mL	
680-62309-A-2			T		0.51 g	50 mL	
680-62211-B-1-A			P		0.53 g	50 mL	
680-62211-A-2-A			P		0.53 g	50 mL	
680-62275-E-1			T		0.51 g	50 mL	
680-62274-B-1			T		0.52 g	50 mL	
680-62296-A-1			T		0.54 g	50 mL	
680-62296-A-2			T		0.52 g	50 mL	
680-62296-A-3			T		0.50 g	50 mL	
680-62143-A-1			T		0.51 g	50 mL	

Acid used for pH adjustment:	N/A	Hydroxylamine Sulfate Lot Number:	1914492
Nominal Amount Used:	0.50 g	Potassium Persulfate Lot Number:	2011319
SOP Number:	ME 28	Stannous Chloride Lot Number:	2009725
Digestion Tube/Cup Lot #:	010-501-263	Oven, Bath or Block Temperature 1:	96 %
Hot Block ID number:	HF-6	NaCL Lot #:	1988760
Hood ID or number:	HF-6	Aqua Regia Lot Number:	1988758
Balance ID:	7	Hydroxylamine Hydrochloride Lot:	N/A
Blank Soil Lot Number:	P_TEFLONCH_00006		
Lot # of Nitric Acid:	2016081		
ID number of the thermometer:	MEWB2B		
Lot # of hydrochloric acid:	2016086		
Potassium Permanganate Lot Number:	2011320		
Sulfuric Acid Lot Number:	1975456		

Metals Worksheet

Batch Number: 680-183493
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Oct 20 2010 11:55AM
Batch End: Oct 20 2010 12:25PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-183493/1		7471B, 7471B		
LCS~680-183493/2		7471B, 7471B		
680-62043-B-1	WC-B82-DC-01	7471B, 7471B	T	
680-62043-B-2	WC-B82-APN-01	7471B, 7471B	T	
680-62043-B-3	WC-B82-GTM-01	7471B, 7471B	T	
680-62043-B-4	WC-B82-GTM-02	7471B, 7471B	T	
680-62146-A-1			T	
680-62146-A-2			T	
680-62095-A-1			T	
680-62177-A-1			T	
680-62177-A-1~DU		7471B, 7471B	T	
680-62177-A-1~MS		7471B, 7471B	T	
680-62177-A-2			T	
680-62309-A-1			T	
680-62309-A-2			T	
680-62211-B-1-A			P	
680-62211-A-2-A			P	
680-62275-E-1			T	
680-62274-B-1			T	
680-62296-A-1			T	
680-62296-A-2			T	
680-62296-A-3			T	
680-62143-A-1			T	

Batch Comment: N/A

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-62043-1

SDG No.: 67967

Project: NAS SOWEY 106-2282

Client Sample ID	Lab Sample ID
WC-B82-DC-01	680-62043-1
WC-B82-APN-01	680-62043-2
WC-B82-GTM-01	680-62043-3
WC-B82-GTM-02	680-62043-4

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Pensacola Job Number: 680-62043-1

SDG No.: 67967

Project: NAS SOWEY 106-2282

Client Sample ID	Lab Sample ID
WC-B82-DC-01	680-62043-1
WC-B82-APN-01	680-62043-2
WC-B82-GTM-01	680-62043-3
WC-B82-GTM-02	680-62043-4

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WC-B82-DC-01
Lab Sample ID: 680-62043-1
Lab Name: TestAmerica Savannah
Job No.: 680-62043-1
SDG ID.: 67967
Matrix: Solid
Date Sampled: 10/06/2010 07:15
Reporting Basis: WET
Date Received: 10/08/2010 09:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	22000	3000	1000	mg/Kg			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WC-B82-APN-01
Lab Sample ID: 680-62043-2
Lab Name: TestAmerica Savannah
Job No.: 680-62043-1
SDG ID.: 67967
Matrix: Solid
Date Sampled: 10/06/2010 07:20
Reporting Basis: WET
Date Received: 10/08/2010 09:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	6700	3000	1000	mg/Kg			1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WC-B82-GTM-01
Lab Sample ID: 680-62043-3
Lab Name: TestAmerica Savannah
Job No.: 680-62043-1
SDG ID.: 67967
Matrix: Solid
Date Sampled: 10/06/2010 07:30
Reporting Basis: WET
Date Received: 10/08/2010 09:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	1300	3000	1000	mg/Kg	J		1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WC-B82-GTM-02
Lab Sample ID: 680-62043-4
Lab Name: TestAmerica Savannah
Job No.: 680-62043-1
SDG ID.: 67967
Matrix: Solid
Date Sampled: 10/06/2010 07:40
Reporting Basis: WET
Date Received: 10/08/2010 09:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	2100	3000	1000	mg/Kg	J		1	9060A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: WC-B82-DC-01
Lab Sample ID: 680-62043-1
Lab Name: TestAmerica Pensacola
Job No.: 680-62043-1
SDG ID.: 67967
Matrix: Solid
Date Sampled: 10/06/2010 07:15
Reporting Basis: WET
Date Received: 10/08/2010 09:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
	Specific Conductance	530	100	10	umhos/cm			1	9050A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: WC-B82-APN-01
Lab Sample ID: 680-62043-2
Lab Name: TestAmerica Pensacola
Job No.: 680-62043-1
SDG ID.: 67967
Matrix: Solid
Date Sampled: 10/06/2010 07:20
Reporting Basis: WET
Date Received: 10/08/2010 09:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
	Specific Conductance	110	100	10	umhos/cm			1	9050A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: WC-B82-GTM-01
Lab Sample ID: 680-62043-3
Lab Name: TestAmerica Pensacola
Job No.: 680-62043-1
SDG ID.: 67967
Matrix: Solid
Date Sampled: 10/06/2010 07:30
Reporting Basis: WET
Date Received: 10/08/2010 09:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
	Specific Conductance	150	100	10	umhos/cm			1	9050A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY - SOLUBLE

Client Sample ID: WC-B82-GTM-02
Lab Sample ID: 680-62043-4
Lab Name: TestAmerica Pensacola
Job No.: 680-62043-1
SDG ID.: 67967
Matrix: Solid
Date Sampled: 10/06/2010 07:40
Reporting Basis: WET
Date Received: 10/08/2010 09:50

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
	Specific Conductance	91	100	10	umhos/cm	J		1	9050A

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 183799	Date: 10/21/2010 11:13						
9060A	MB 680-183799/1	Total Organic Carbon	1000	U	mg/Kg	3000	1

FORM III-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Pensacola Job No.: 680-62043-1

SDG No.: 67967

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 119046	Date: 10/20/2010 15:00						
9050A	MB 400-118986/1-A	Specific Conductance	34.4	J	umhos/cm	100	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 183799	Date: 10/21/2010 11:13										
9060A	680-62043-3	Total Organic Carbon	1300	J	mg/Kg						
9060A	680-62043-3 MS	Total Organic Carbon	63400		mg/Kg	59200	105	60-140			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 183799	Date: 10/21/2010 11:13										
9060A	680-62043-3 MSD	Total Organic Carbon	63300		mg/Kg	59000	105	60-140	0	40	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Pensacola Job No.: 680-62043-1

SDG No.: 67967

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 119046 Date: 10/20/2010 15:00								
9050A	WC-B82-DC-01	680-62043-1	Specific Conductance	530	umhos/cm			
9050A	WC-B82-DC-01	680-62043-1 DU	Specific Conductance	524	umhos/cm	2	2	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62043-1

SDG No.: 67967

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 183799	Date: 10/21/2010 11:13										
						LCS Source:	TOCSS-CCV_00013				
9060A	LCS 680-183799/2	Total Organic Carbon	63900		mg/Kg	60000	107	60-140			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Pensacola Job No.: 680-62043-1

SDG No.: 67967

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 119046		Date: 10/20/2010 15:00									
						LCS Source:	GCD-LCS-W_00005				
9050A	LCS 400-118986/2-A	Specific Conductance	198		umhos/cm	197	101	98-102			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: TestAmerica Pensacola Job Number: 680-62043-1

SDG Number: 67967

Matrix: Solid Instrument ID: Cond Meter 1

Analysis Method: 9050A MDL Date: 04/30/2010 09:50

Prep Method:

Leach Method: DI Leach

Analyte	Wavelength/ Mass	RL (umhos/cm)	MDL (umhos/cm)
Specific Conductance		5	0.5

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY - SOLUBLE

Lab Name: TestAmerica Pensacola Job Number: 680-62043-1

SDG Number: 67967

Matrix: Solid Instrument ID: Cond Meter 1

Analysis Method: 9050A XMDL Date: 04/30/2010 09:50

Analyte	Wavelength/ Mass	XRL (umhos/cm)	XMDL (umhos/cm)
Specific Conductance		5	0.5

FORM IX - IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Pensacola Job No.: 680-62043-1

SDG No.: 67967

Instrument ID: Cond Meter 1 Method: 9050A

Start Date: 10/20/2010 15:00 End Date: 10/20/2010 15:00

Lab Sample ID	D/F	Type	Time	Analytes																			
				SC																			
MB 400-118986/1-A	1	S	15:00	X																			
LCS 400-118986/2-A	1	S	15:00	X																			
680-62043-1	1	S	15:00	X																			
680-62043-2	1	S	15:00	X																			
680-62043-3	1	S	15:00	X																			
680-62043-4	1	S	15:00	X																			
680-62043-1 DU	1	S	15:00	X																			

Prep Types
S = Soluble

TOC Reporter Version 5.0

Date/Time Fri Oct 22 10:41:11 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT19006.rlt	CALSTD1	1	tc	cal101910b	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	STD 1	cal101910b	<n/a>	<n/a>	<n/a>

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	0.0	0.000	0.00	<n/a>	<n/a>

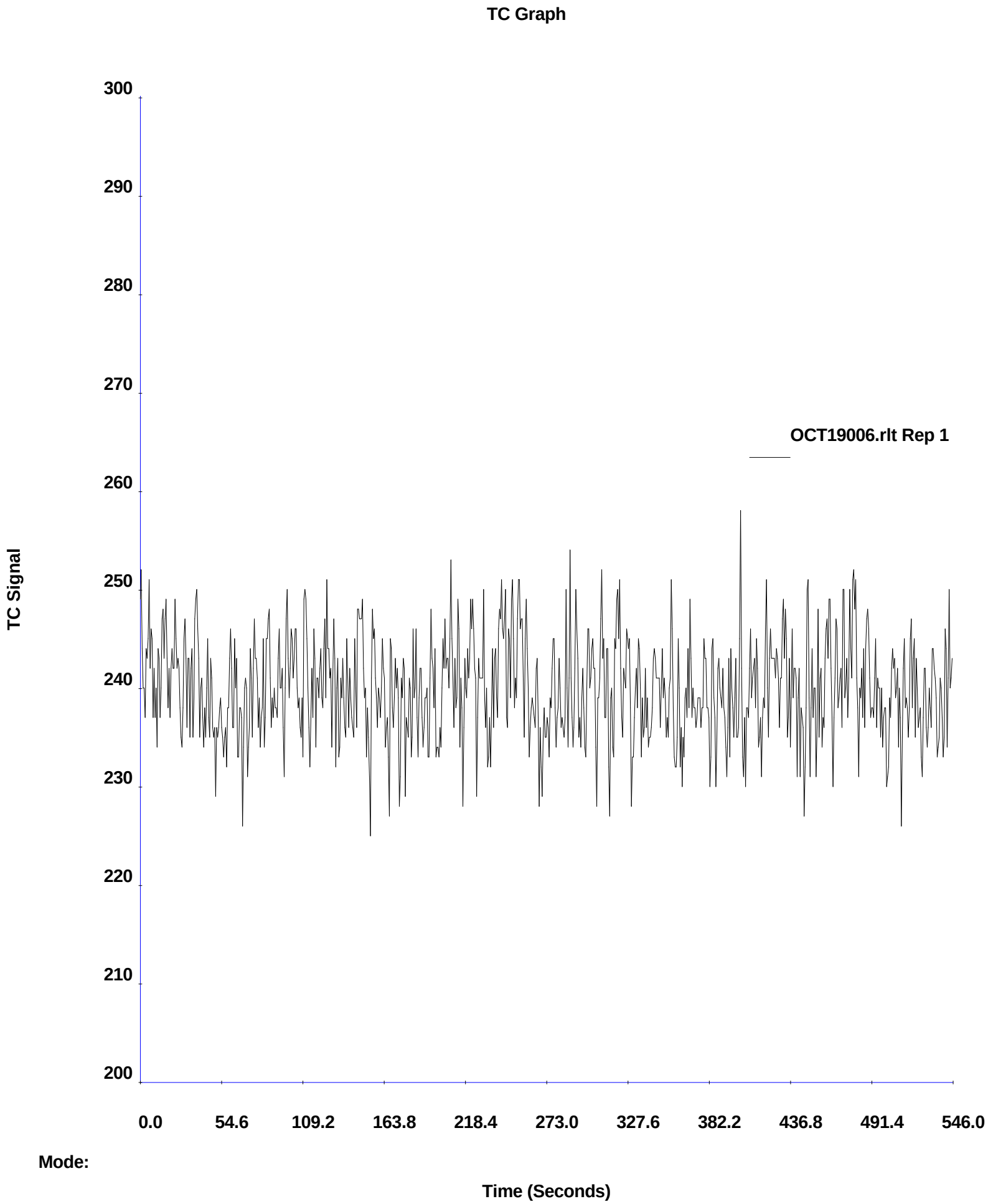
TOC Reporter Version 5.0

Date/Time Fri Oct 22 10:41:11 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT19006.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	19Oct2010	15:46	0.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	0	0.000	0.00



Mode:

Absolute

10/28/2010

TOC Reporter Version 5.0

Date/Time Fri Oct 22 10:41:31 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT19007.rlt	CALSTD2	1	tc	cal101910b	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	STD 2	cal101910b	<n/a>	<n/a>	<n/a>

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	4123.0	1.500	0.00	<n/a>	<n/a>

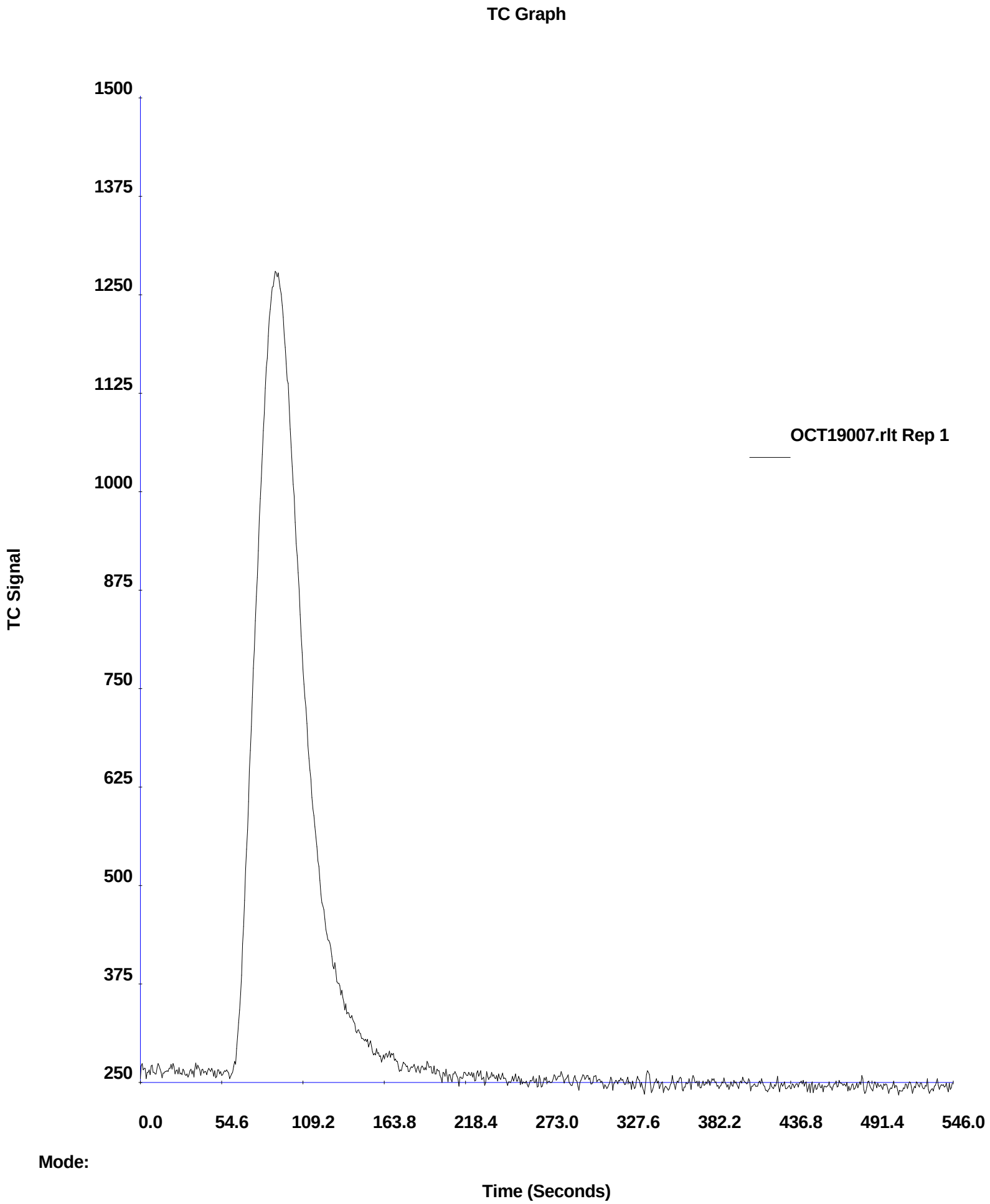
TOC Reporter Version 5.0

Date/Time Fri Oct 22 10:41:31 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT19007.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	19Oct2010	15:55	1.500	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	4123	1.500	0.00



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Fri Oct 22 10:45:09 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT19008.rlt	CALSTD3	1	tc	cal101910b	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	STD 3	cal101910b	<n/a>	<n/a>	<n/a>

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	7296.0	3.000	0.00	<n/a>	<n/a>

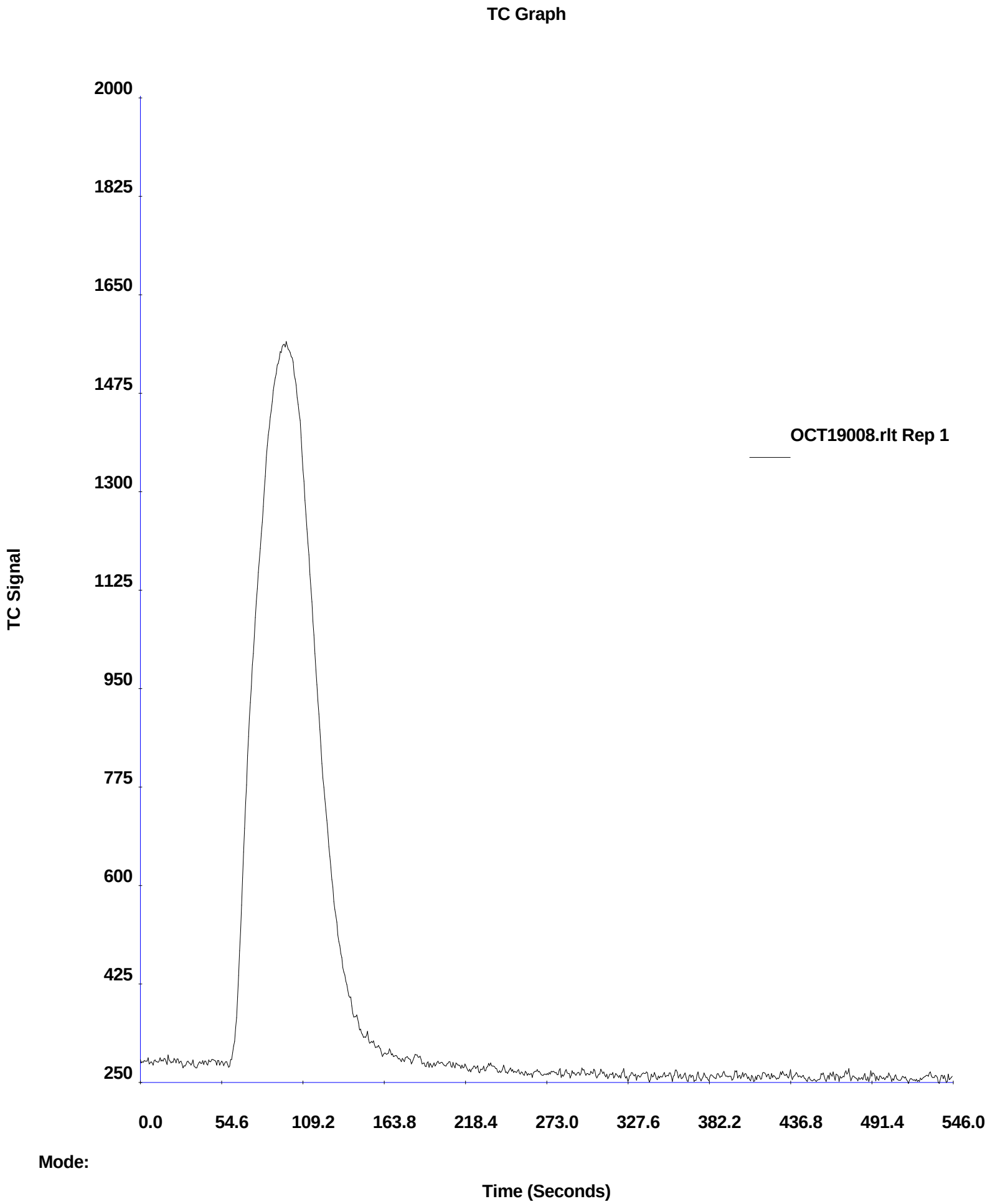
TOC Reporter Version 5.0

Date/Time Fri Oct 22 10:45:09 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT19008.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	19Oct2010	16:04	3.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	7296	3.000	0.00



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Fri Oct 22 10:45:35 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT19009.rlt	CALSTD4	1	tc	cal101910b	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	STD 4	cal101910b	<n/a>	<n/a>	<n/a>

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	15250.0	6.000	0.00	<n/a>	<n/a>

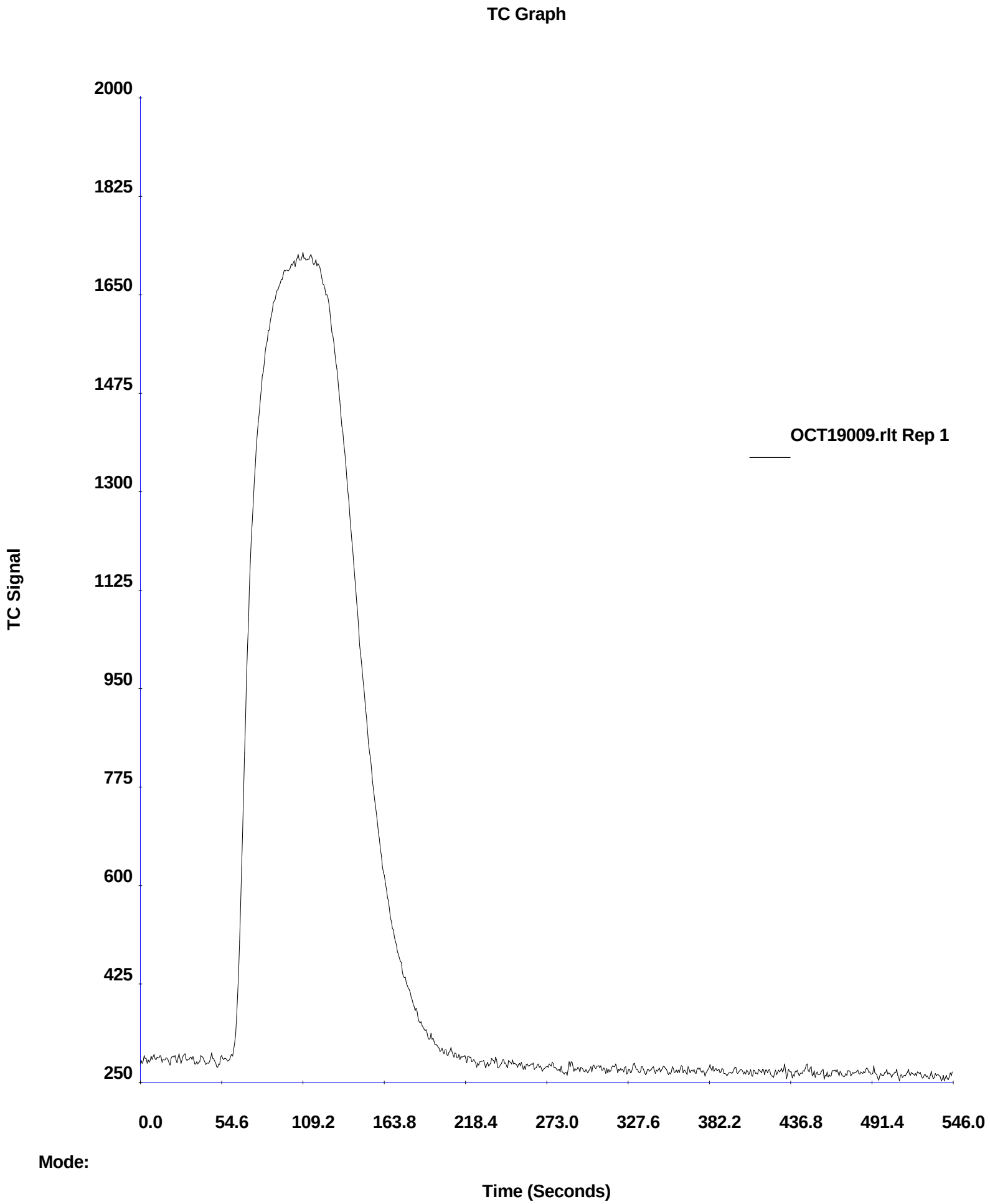
TOC Reporter Version 5.0

Date/Time Fri Oct 22 10:45:35 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT19009.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	19Oct2010	16:13	6.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	15250	6.000	0.00



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Fri Oct 22 10:45:58 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT19010.rlt	CALSTD5	1	tc	cal101910b	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	STD 5	cal101910b	<n/a>	<n/a>	<n/a>

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	24726.0	10.000	0.00	<n/a>	<n/a>

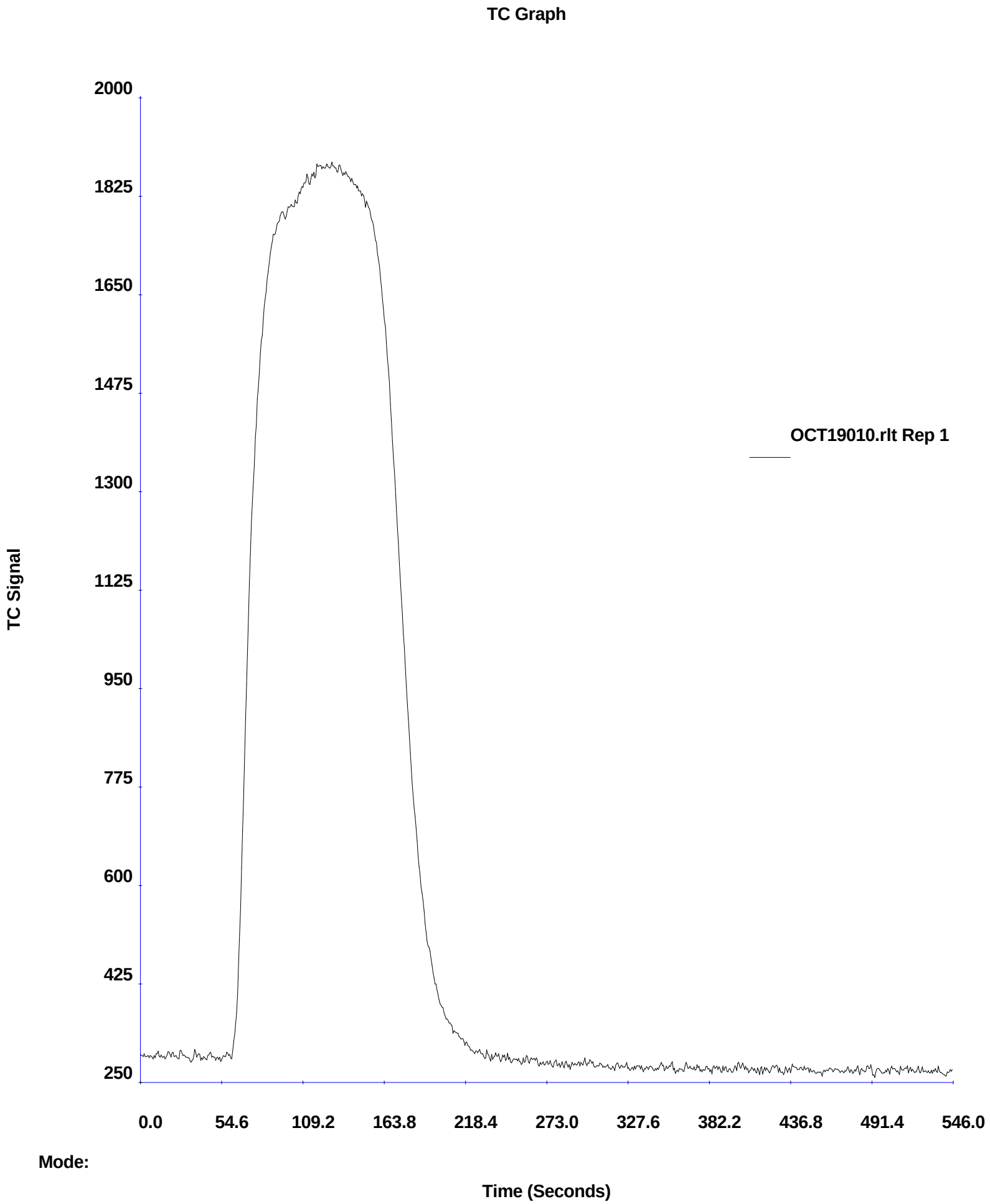
TOC Reporter Version 5.0

Date/Time Fri Oct 22 10:45:58 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT19010.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	19Oct2010	16:21	10.000	1	Yes	2.0	2.0

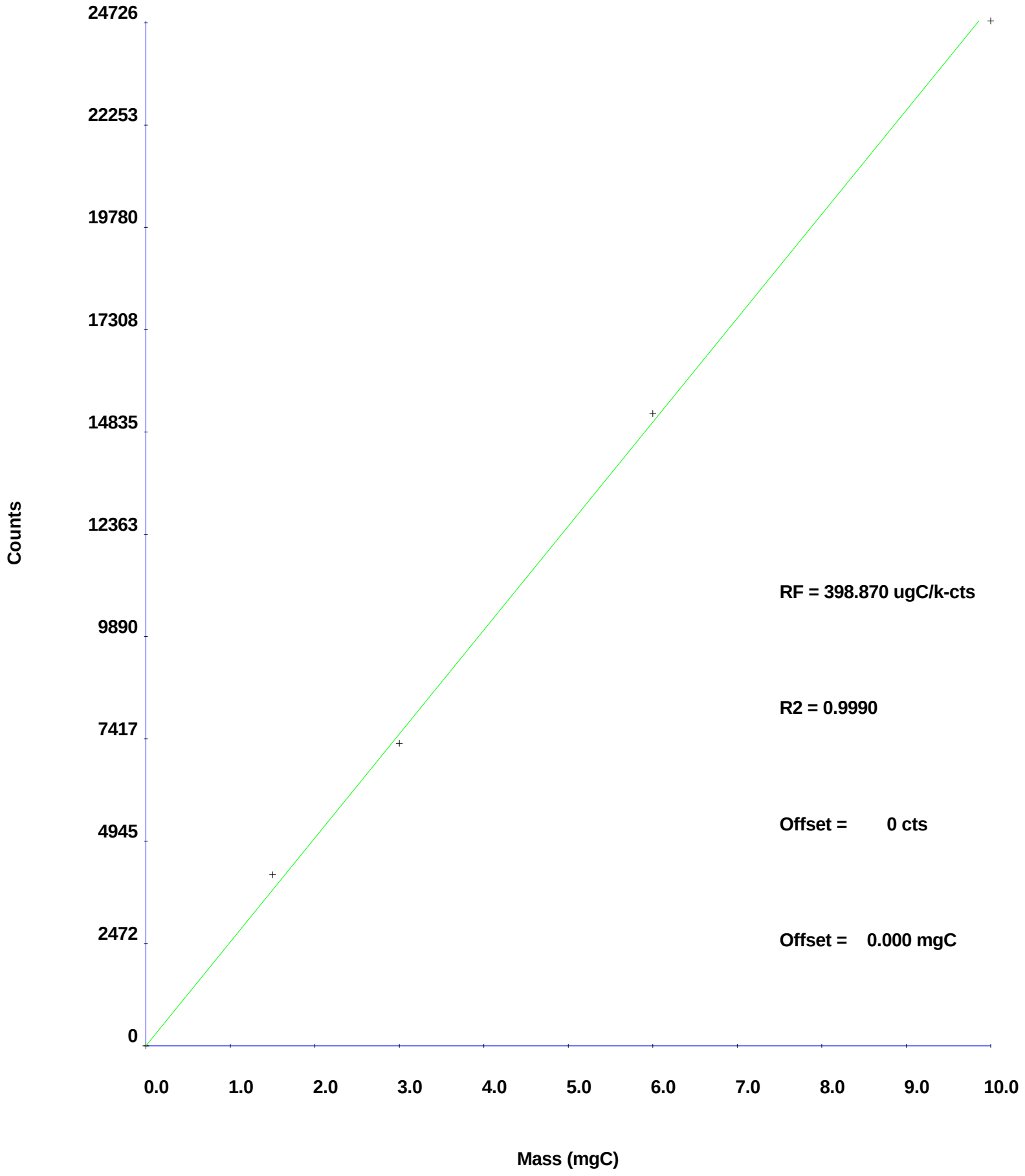
Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	24726	10.000	0.00



Mode:

Absolute

Calibration - CAL101910B (TC, 22Oct2010 10:30)



10/28/2010

****
** SEQUENCE **
****

CAL101910B Tue Oct 19 15:37:43 2010

Pos/ Vial	Sample Name	Method	Run Type	# Rep	Mass (mg)	Remarks
1	CALSTD1	TC	Std. 1	1	0.000	
2	CALSTD2	TC	Std. 2	1	1.500	
3	CALSTD3	TC	Std. 3	1	3.000	
4	CALSTD4	TC	Std. 4	1	6.000	
5	CALSTD5	TC	Std. 5	1	10.000	

TOC Reporter Version 5.0

Date/Time Thu Oct 21 11:13:09 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21001.rlt	CCV	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	14027.0	5.595	111.90	<n/a>	<n/a>

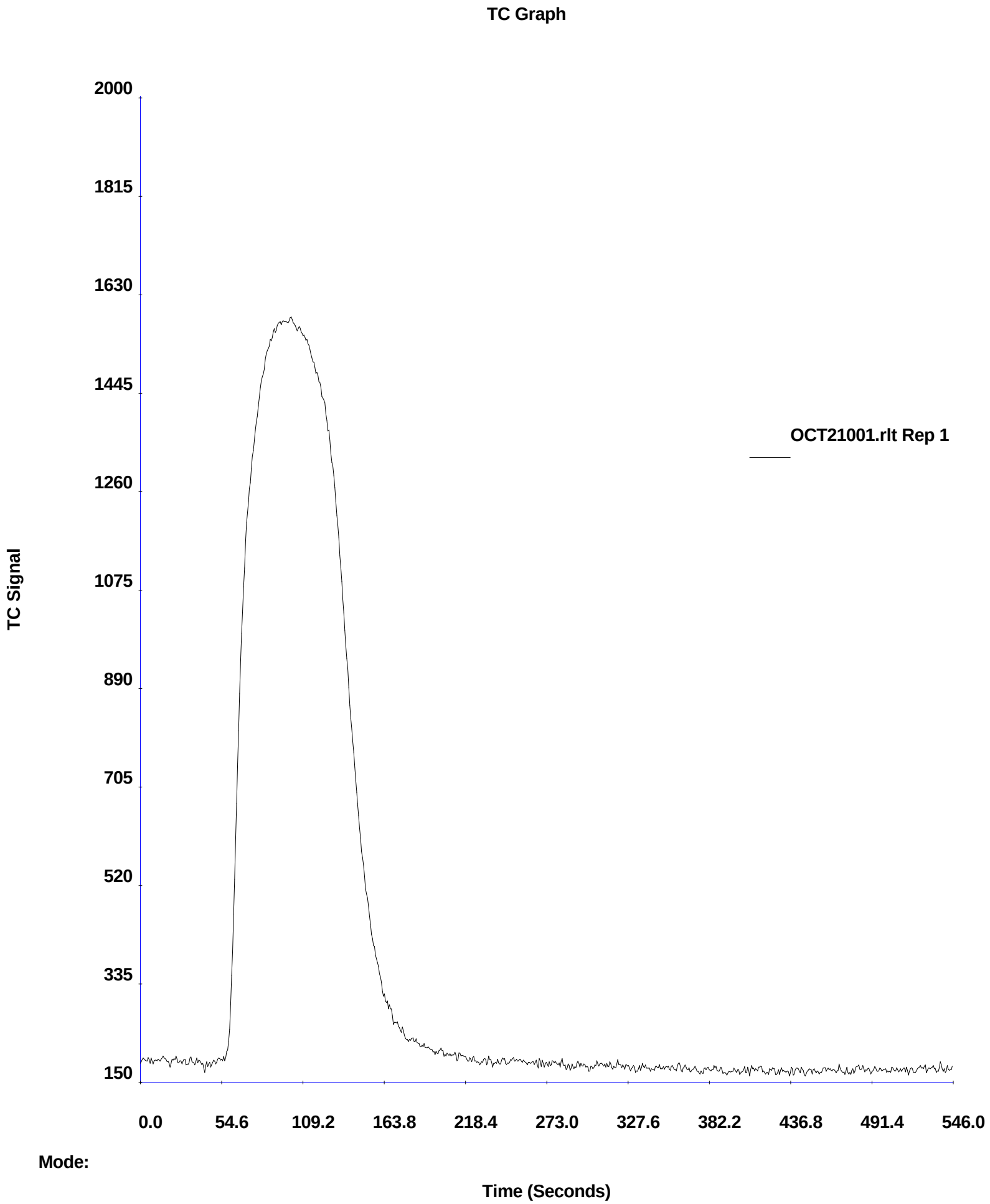
TOC Reporter Version 5.0

Date/Time Thu Oct 21 11:13:09 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21001.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	10:40	5.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	14027	5.595	111.90



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 11:13:34 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21002.rlt	CCV	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	13669.0	5.452	109.04	<n/a>	<n/a>

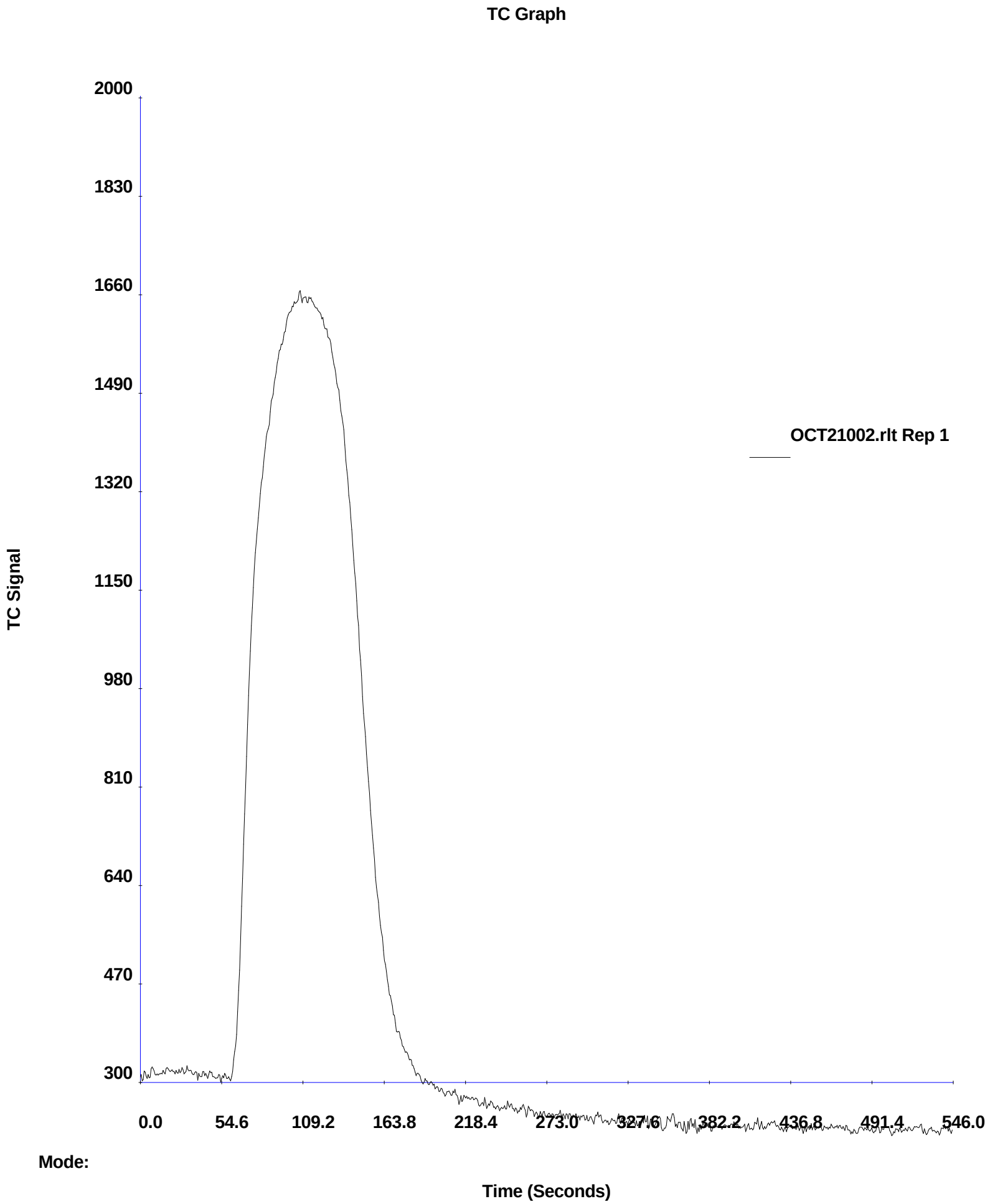
TOC Reporter Version 5.0

Date/Time Thu Oct 21 11:13:34 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21002.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	10:55	5.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	13669	5.452	109.04



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 11:14:01 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21003.rlt	CCB	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	135.0	0.054	0.05	<n/a>	<n/a>

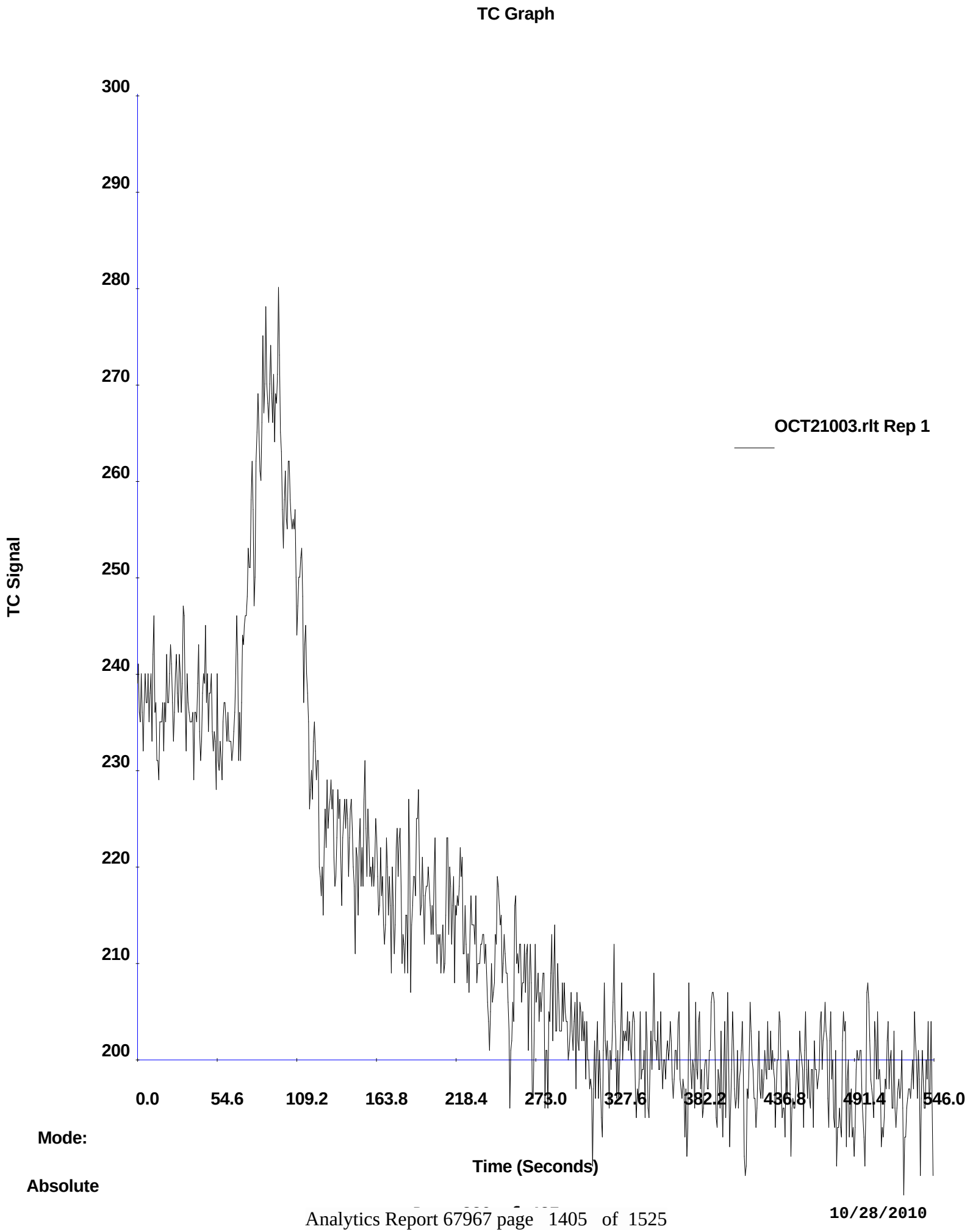
TOC Reporter Version 5.0

Date/Time Thu Oct 21 11:14:01 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21003.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	11:04	100.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	135	0.054	0.05


TC Graph
300
290
280
270
260
250
240
230
220
210
200
TC Signal
OCT21003.rlt Rep 1
0.0
54.6
109.2
163.8
218.4
273.0
327.6
382.2
436.8
491.4
546.0
Time (Seconds)
Mode:
Absolute
10/28/2010

TOC Reporter Version 5.0

Date/Time Thu Oct 21 11:34:49 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21004.rlt	IC CHECK STD	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	1944.0	0.775	1.55	<n/a>	<n/a>

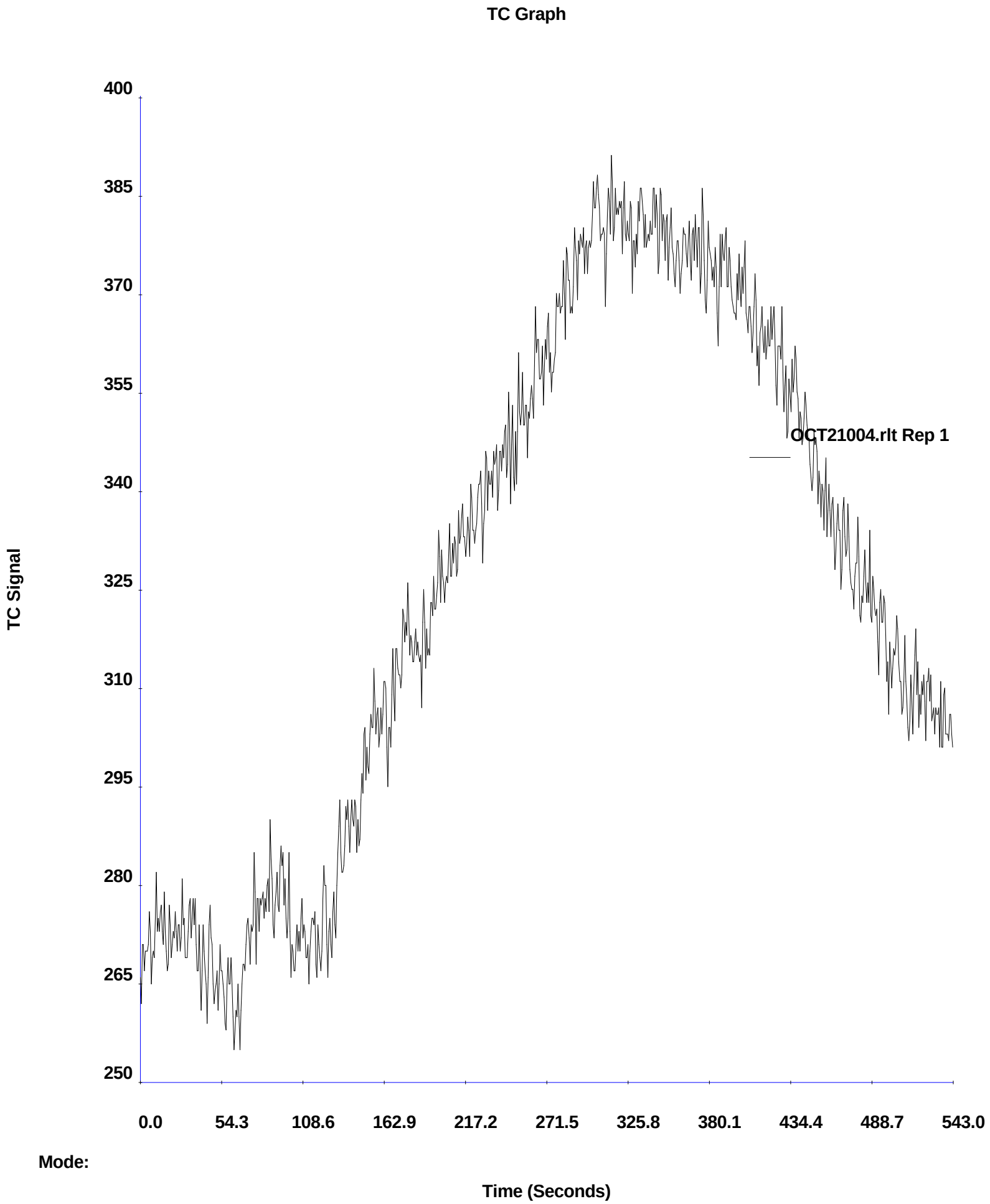
TOC Reporter Version 5.0

Date/Time Thu Oct 21 11:34:49 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21004.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	11:15	50.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	1944	0.775	1.55



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 11:35:15 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21005.rlt	MB	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	0.0	0.000	0.00	<n/a>	<n/a>

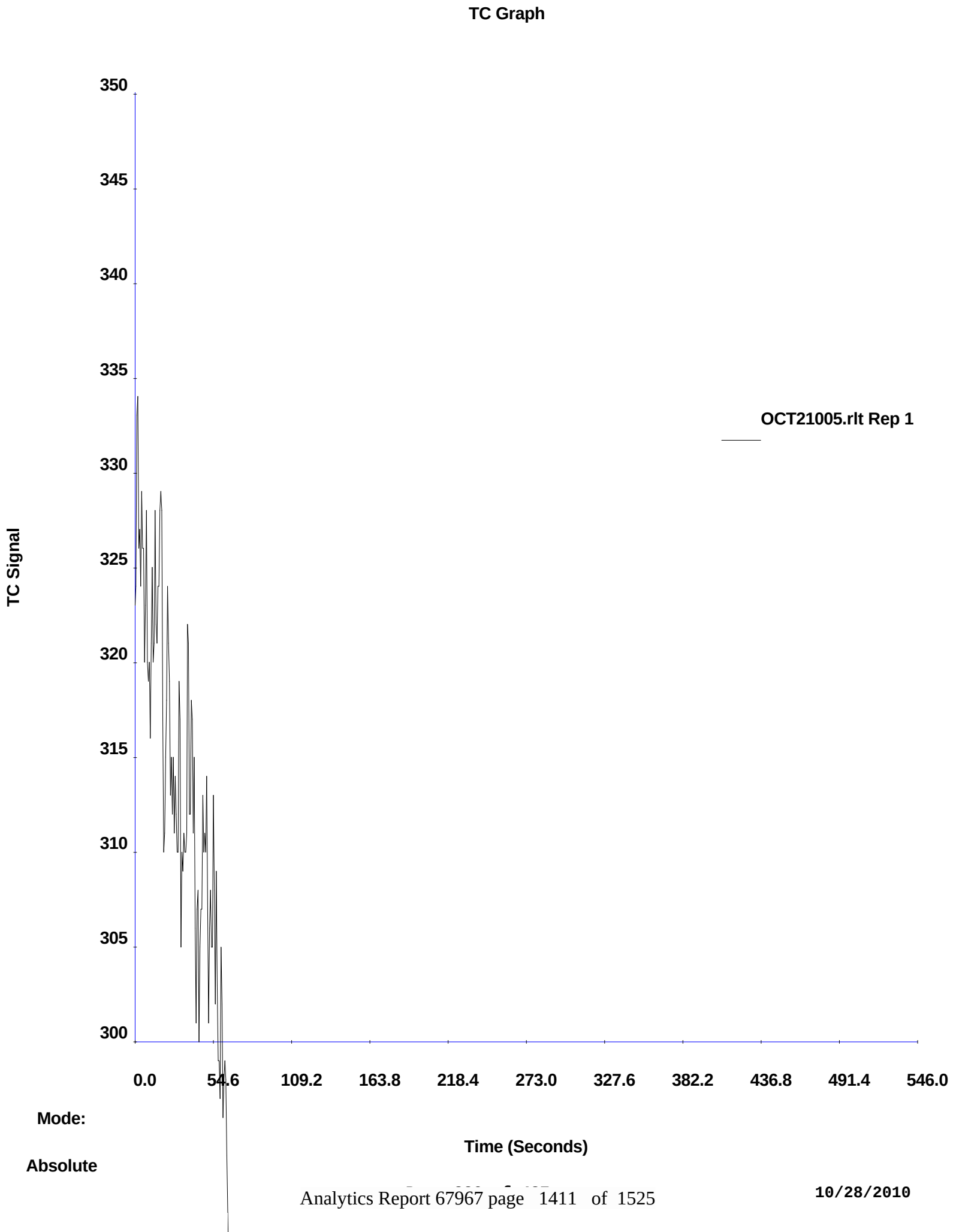
TOC Reporter Version 5.0

Date/Time Thu Oct 21 11:35:15 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21005.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	11:24	100.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	0	0.000	0.00


TC Graph
350
345
340
335
330
325
320
315
310
305
300
TC Signal
OCT21005.rlt Rep 1
0.0
54.6
109.2
163.8
218.4
273.0
327.6
382.2
436.8
491.4
546.0
Time (Seconds)
Mode:
Absolute

10/28/2010

TOC Reporter Version 5.0

Date/Time Thu Oct 21 11:35:44 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21006.rlt	LCS r1	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	15126.0	6.033	100.55	<n/a>	<n/a>

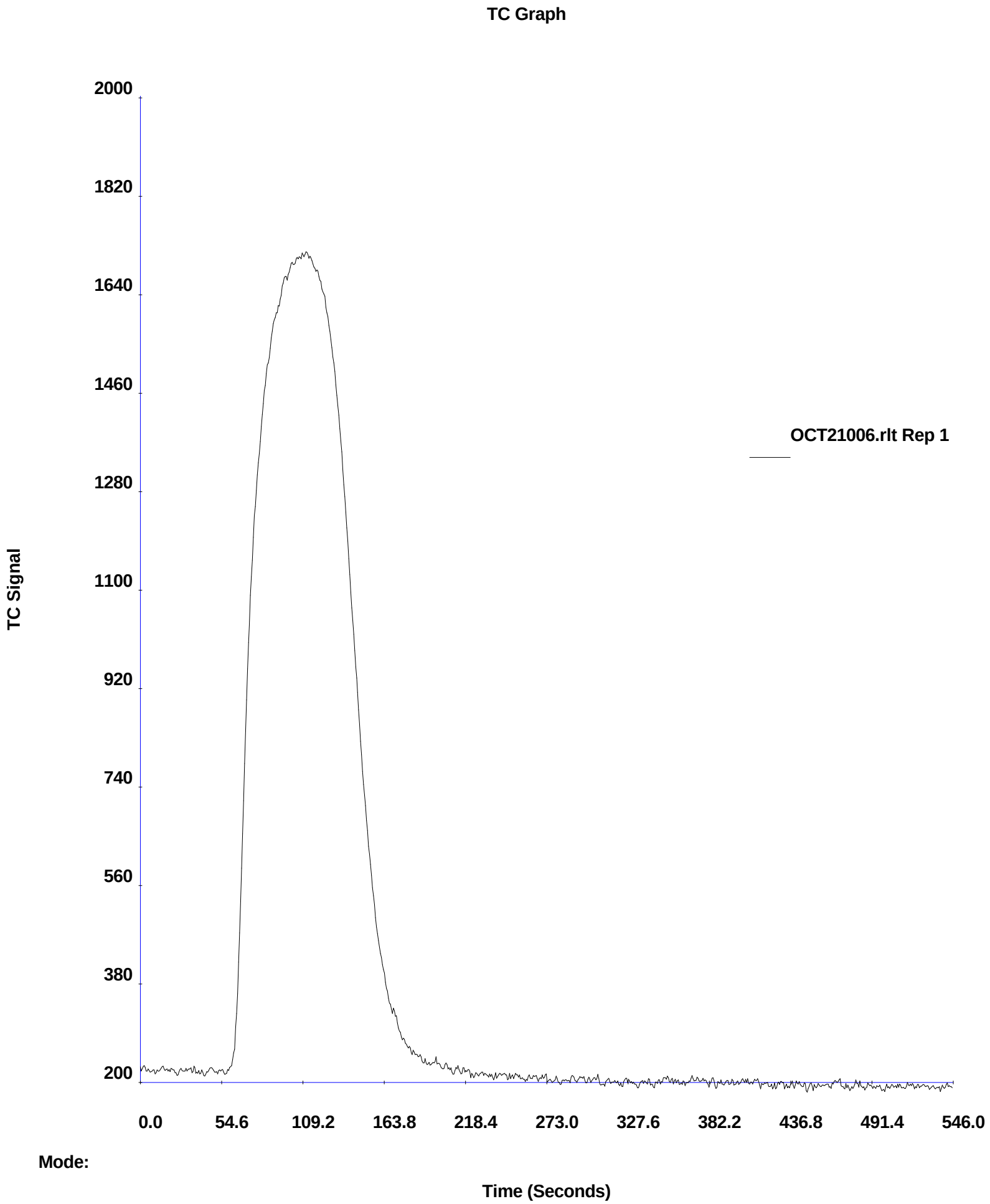
TOC Reporter Version 5.0

Date/Time Thu Oct 21 11:35:44 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21006.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	11:33	6.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	15126	6.033	100.55



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 12:01:01 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21007.rlt	LCS r2	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	16217.0	6.468	107.81	<n/a>	<n/a>

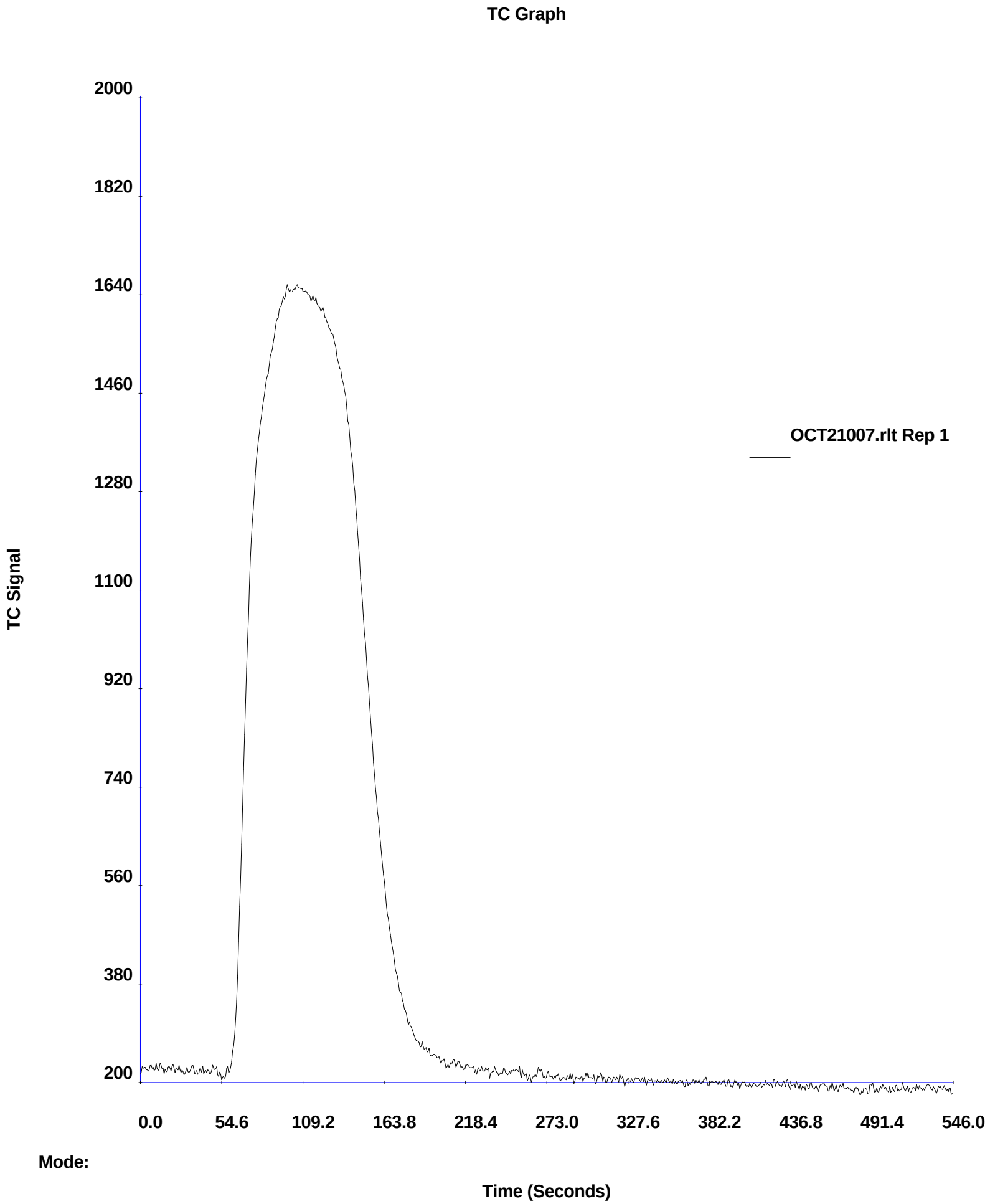
TOC Reporter Version 5.0

Date/Time Thu Oct 21 12:01:01 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21007.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	11:42	6.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	16217	6.468	107.81



Mode:

Absolute

10/28/2010

TOC Reporter Version 5.0

Date/Time Thu Oct 21 12:01:30 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21008.rlt	LCS r3	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	16041.0	6.398	106.64	<n/a>	<n/a>

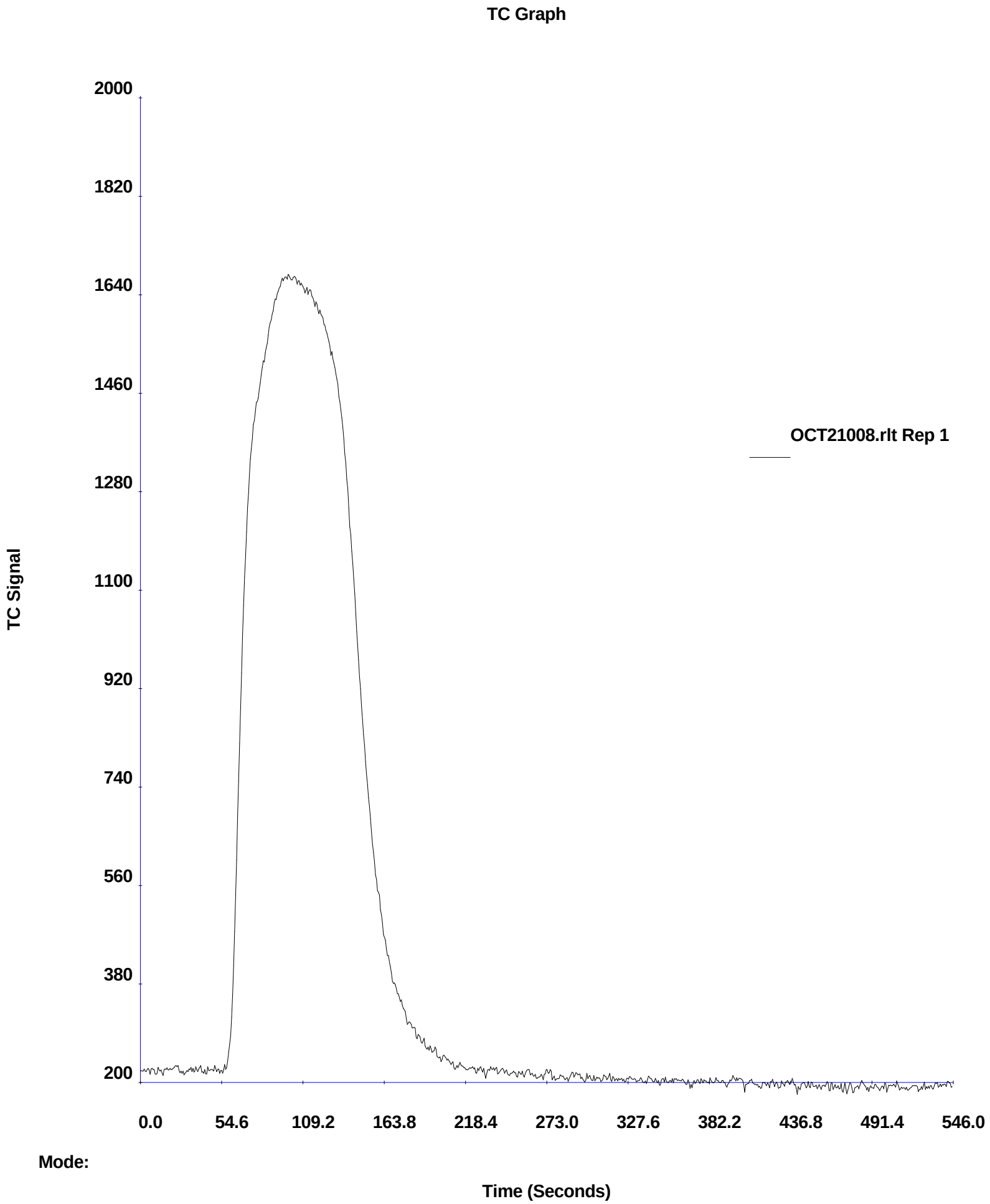
TOC Reporter Version 5.0

Date/Time Thu Oct 21 12:01:30 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21008.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	11:50	6.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	16041	6.398	106.64



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 12:01:57 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21009.rlt	LCS r4	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	16707.0	6.664	111.06	<n/a>	<n/a>

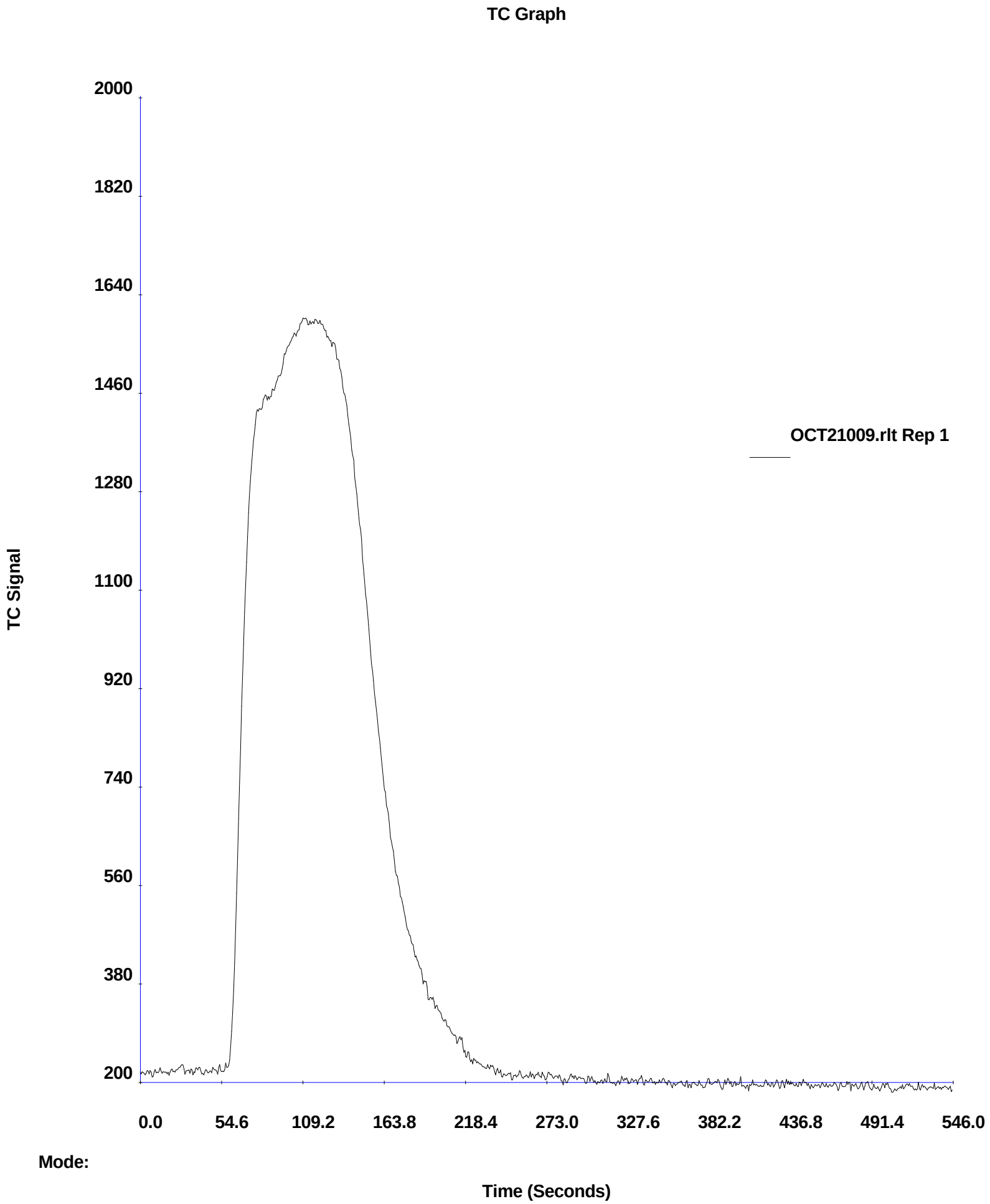
TOC Reporter Version 5.0

Date/Time Thu Oct 21 12:01:57 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21009.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	11:59	6.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	16707	6.664	111.06



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 14:03:22 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21010.rlt	62043-B-3 r1	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	260.0	0.104	0.10	<n/a>	<n/a>

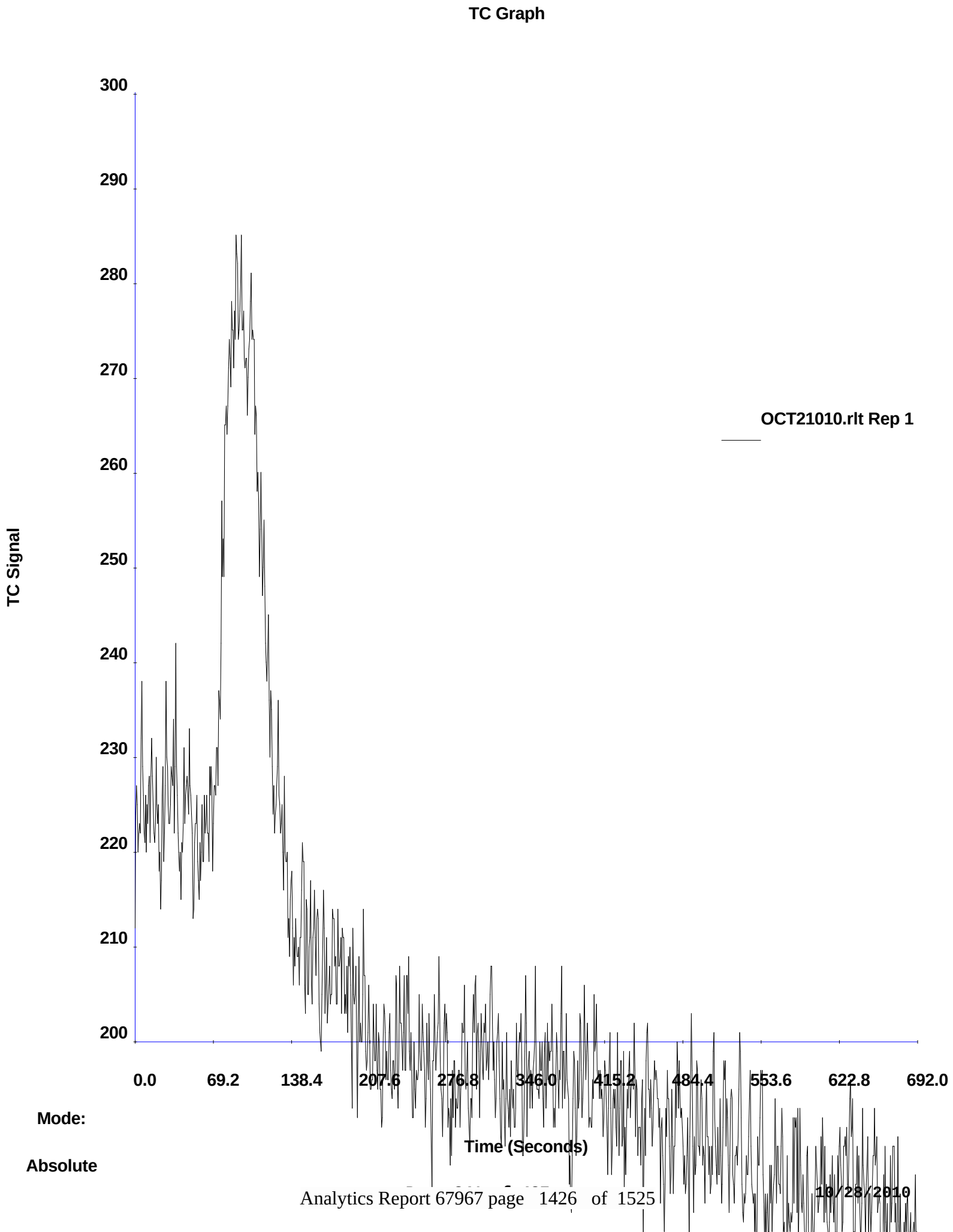
TOC Reporter Version 5.0

Date/Time Thu Oct 21 14:03:22 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21010.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	12:10	100.400	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	260	0.104	0.10


TC Graph
300
290
280
270
260
250
240
230
220
210
200
TC Signal
OCT21010.rlt Rep 1
0.0
69.2
138.4
207.6
276.8
346.0
415.2
484.4
553.6
622.8
692.0
Time (Seconds)
Mode:
Absolute

10/28/2010

TOC Reporter Version 5.0

Date/Time Thu Oct 21 14:03:46 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21011.rlt	62043-B-3 r2	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	417.0	0.166	0.17	<n/a>	<n/a>

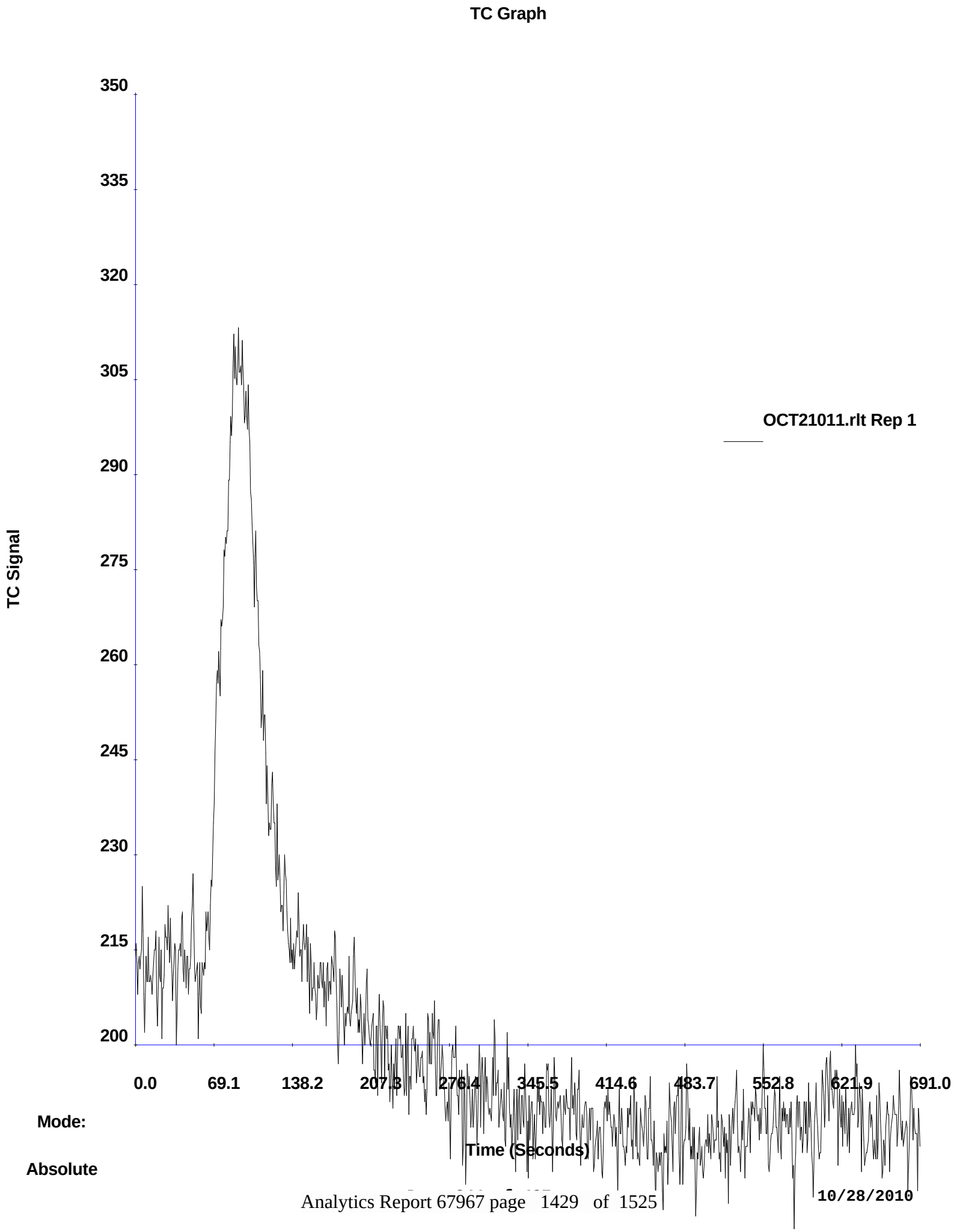
TOC Reporter Version 5.0

Date/Time Thu Oct 21 14:03:46 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21011.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	12:21	100.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	417	0.166	0.17


TC Graph
350
335
320
305
290
275
260
245
230
215
200
TC Signal
OCT21011.rlt Rep 1
0.0
69.1
138.2
207.3
276.4
345.5
414.6
483.7
552.8
621.9
691.0
Time (Seconds)
Mode:
Absolute
10/28/2010

TOC Reporter Version 5.0

Date/Time Thu Oct 21 14:04:16 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21012.rlt	62043-B-3 r3	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	284.0	0.113	0.11	<n/a>	<n/a>

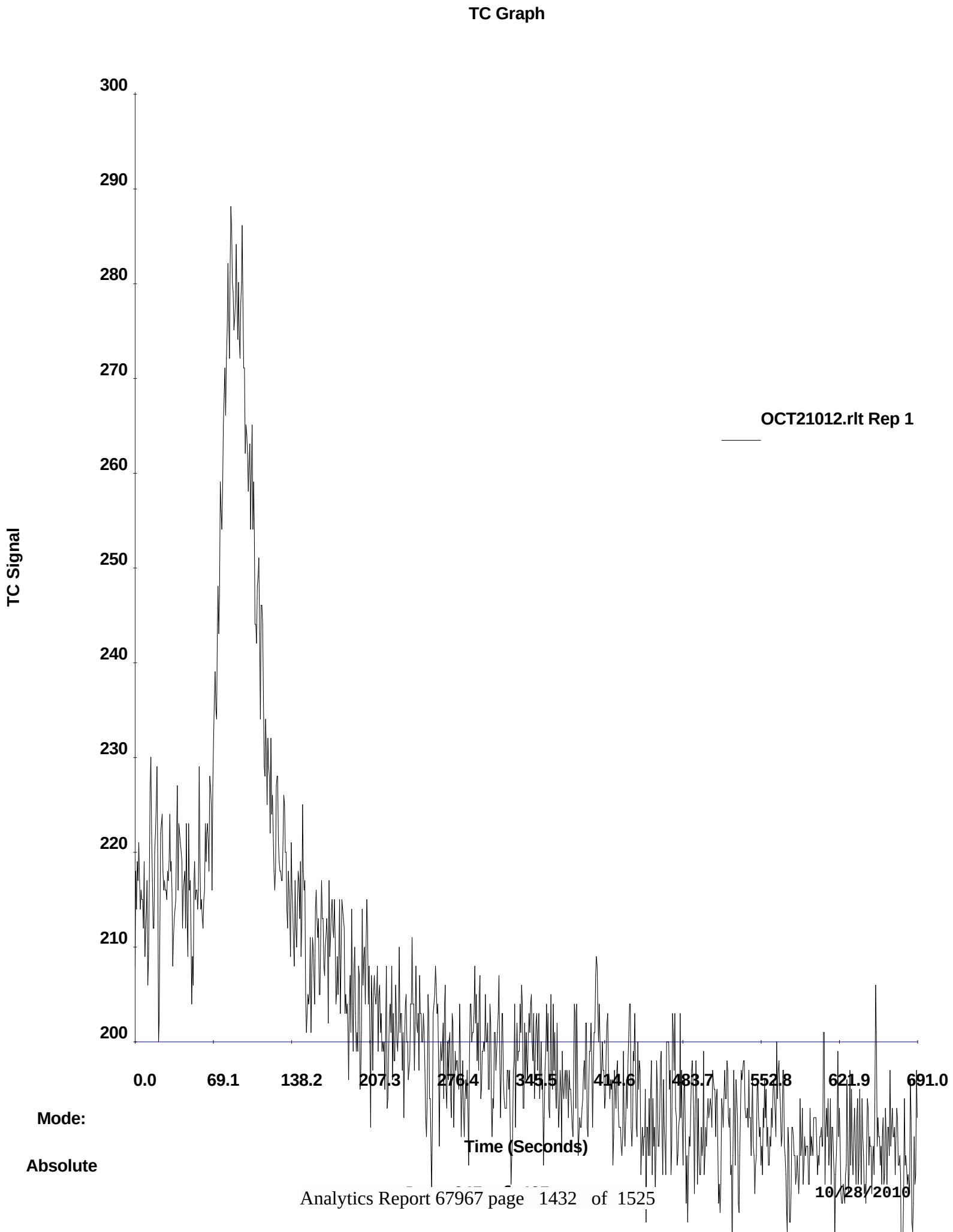
TOC Reporter Version 5.0

Date/Time Thu Oct 21 14:04:16 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21012.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	12:32	100.900	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	284	0.113	0.11


TC Graph
300
290
280
270
260
250
240
230
220
210
200
TC Signal
OCT21012.rlt Rep 1
0.0
69.1
138.2
207.3
276.4
345.5
414.6
483.7
552.8
621.9
691.0
Time (Seconds)
Mode:
Absolute
10/28/2010

TOC Reporter Version 5.0

Date/Time Thu Oct 21 14:04:42 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21013.rlt	62043-B-3 r4	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	344.0	0.137	0.14	<n/a>	<n/a>

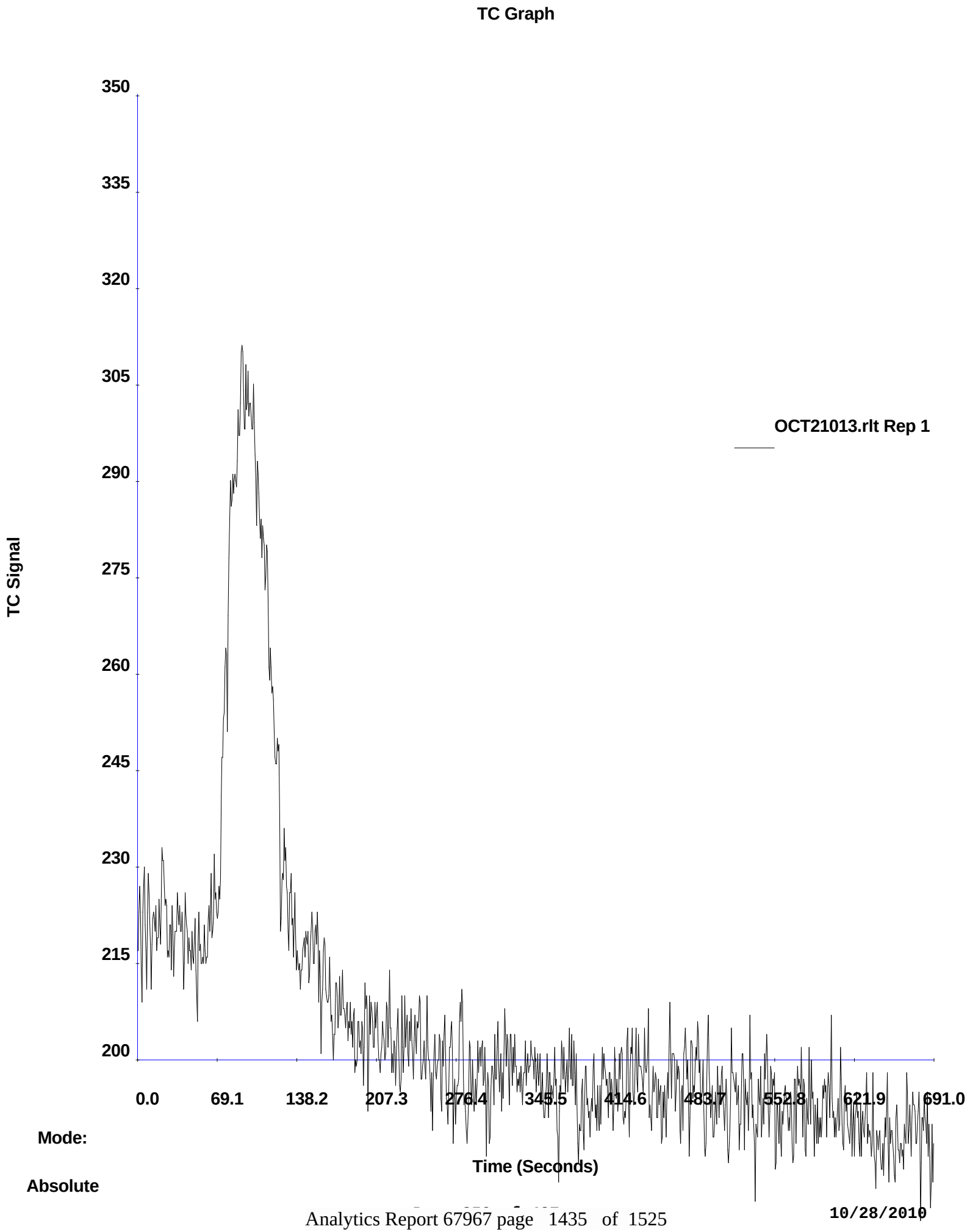
TOC Reporter Version 5.0

Date/Time Thu Oct 21 14:04:42 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21013.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	12:42	100.100	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	344	0.137	0.14


TC Graph
350
335
320
305
290
275
260
245
230
215
200
TC Signal
OCT21013.rlt Rep 1
0.0
69.1
138.2
207.3
276.4
345.5
414.6
483.7
552.8
621.9
691.0
Time (Seconds)
Mode:
Absolute
10/28/2010

TOC Reporter Version 5.0

Date/Time Thu Oct 21 14:34:52 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21014.rlt	62043-B-3 MS r1	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	16143.0	6.439	6.36	<n/a>	<n/a>

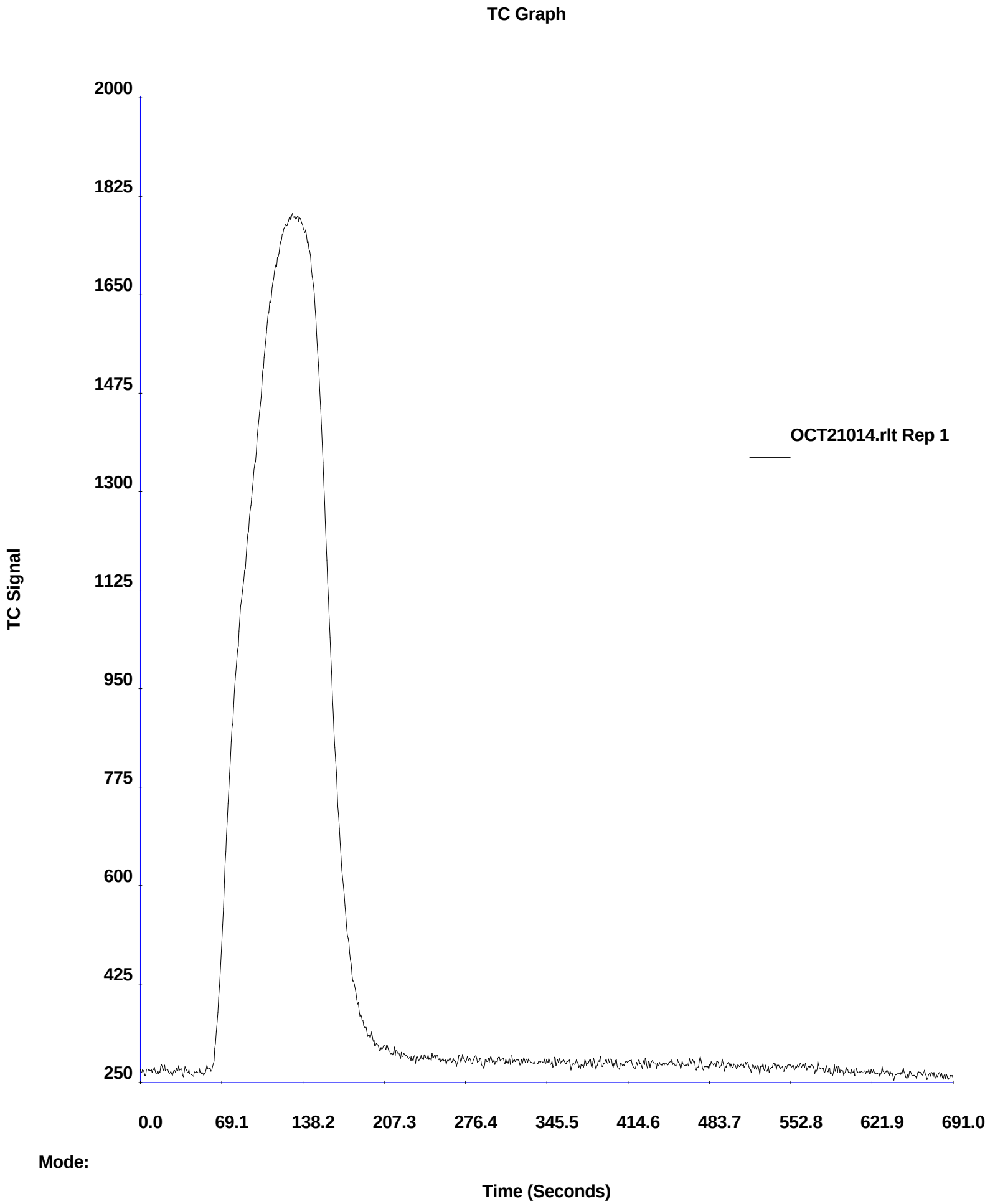
TOC Reporter Version 5.0

Date/Time Thu Oct 21 14:34:52 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21014.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	14:12	101.300	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	16143	6.439	6.36



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 14:35:18 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21015.rlt	62043-B-3 MS r2	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	16022.0	6.391	6.29	<n/a>	<n/a>

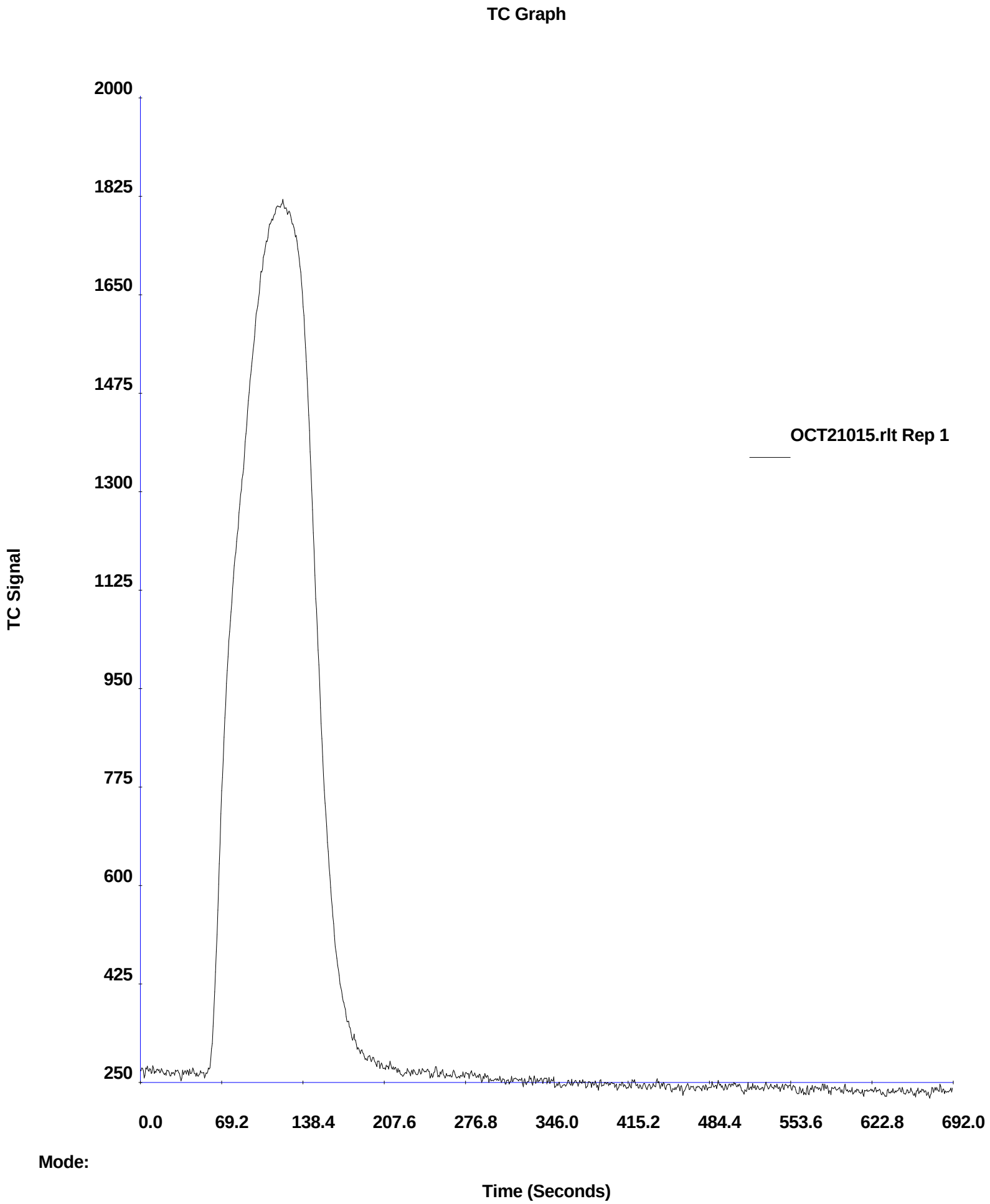
TOC Reporter Version 5.0

Date/Time Thu Oct 21 14:35:18 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21015.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	14:22	101.600	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	16022	6.391	6.29



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 14:35:43 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21016.rlt	62043-B-3 MS r3	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	16274.0	6.491	6.43	<n/a>	<n/a>

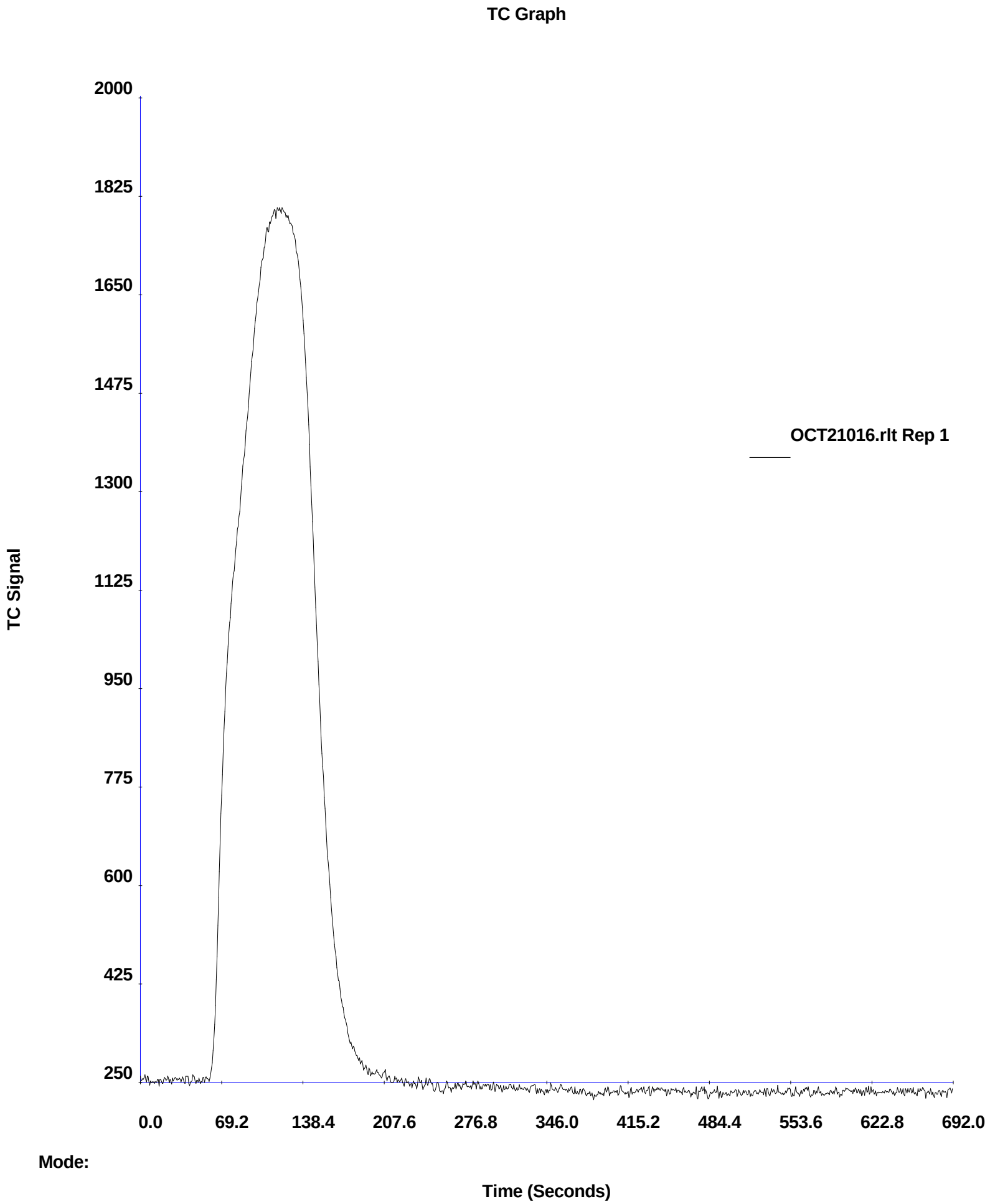
TOC Reporter Version 5.0

Date/Time Thu Oct 21 14:35:43 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21016.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	14:33	101.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	16274	6.491	6.43



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 15:37:07 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21017.rlt	62043-B-3 MS r4	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	15878.0	6.333	6.27	<n/a>	<n/a>

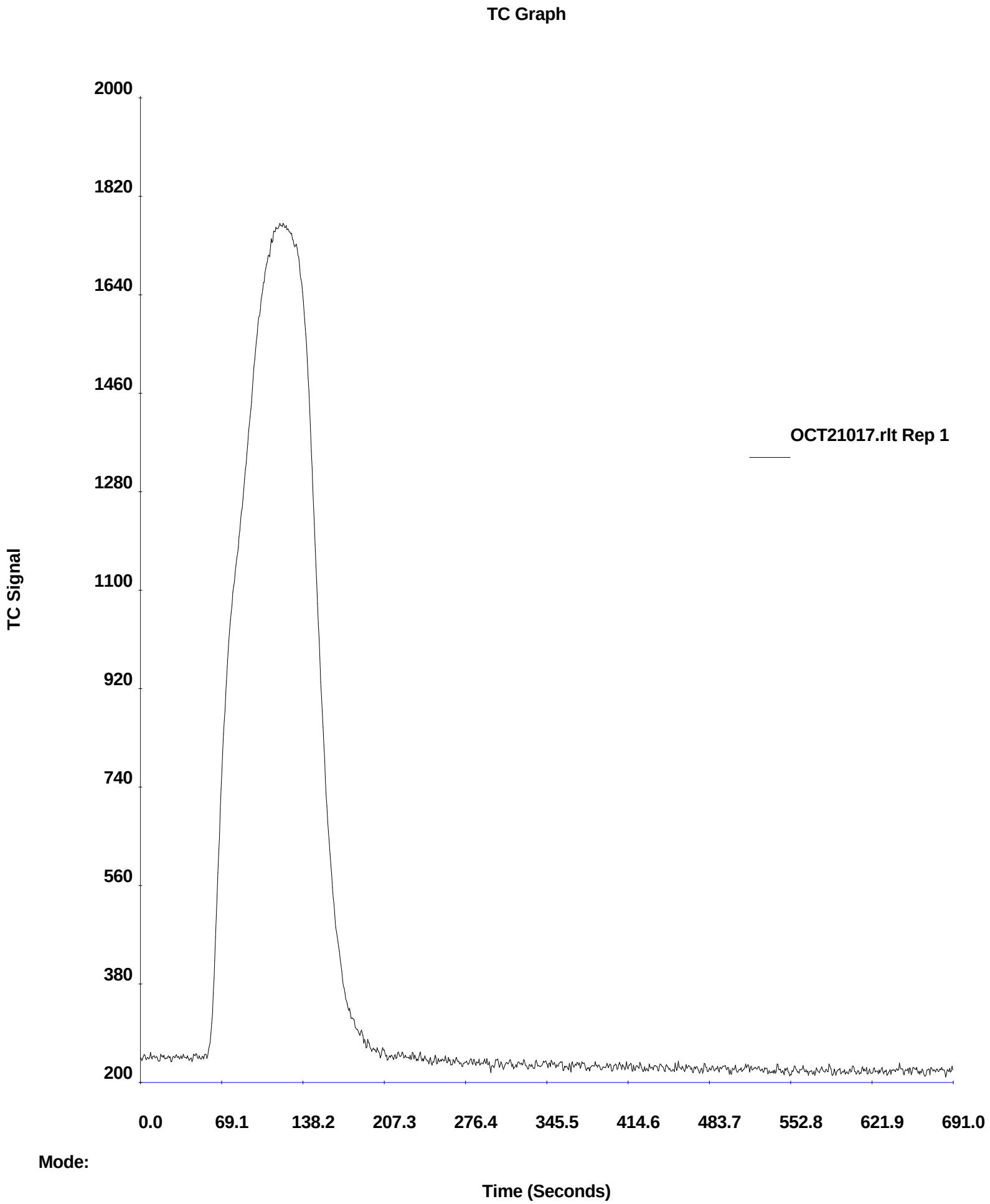
TOC Reporter Version 5.0

Date/Time Thu Oct 21 15:37:07 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21017.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	14:44	101.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	15878	6.333	6.27



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 15:37:32 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21018.rlt	CCV	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	13360.0	5.329	106.58	<n/a>	<n/a>

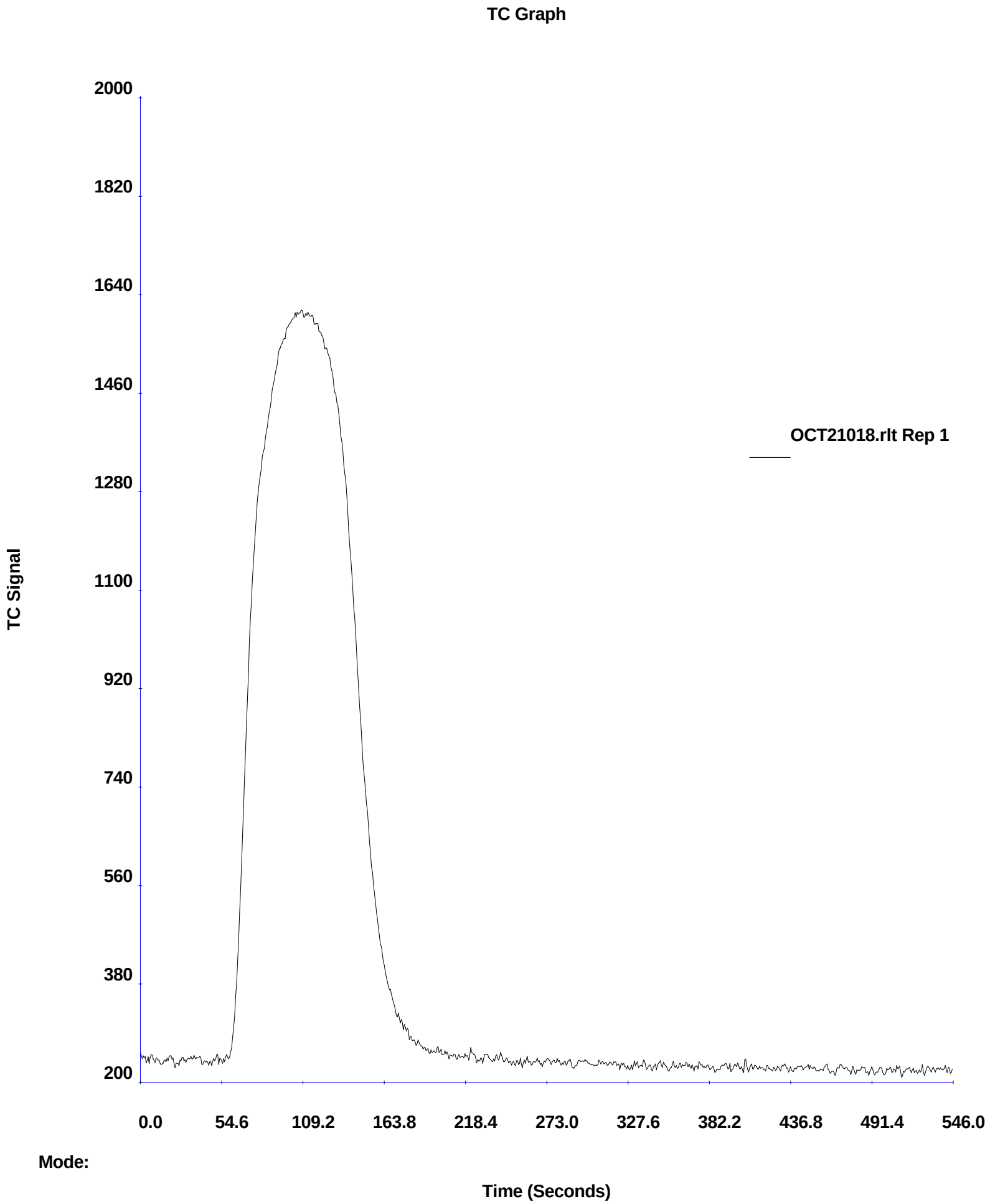
TOC Reporter Version 5.0

Date/Time Thu Oct 21 15:37:32 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21018.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	14:53	5.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	13360	5.329	106.58



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 15:37:56 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21019.rlt	CCB	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	0.0	0.000	0.00	<n/a>	<n/a>

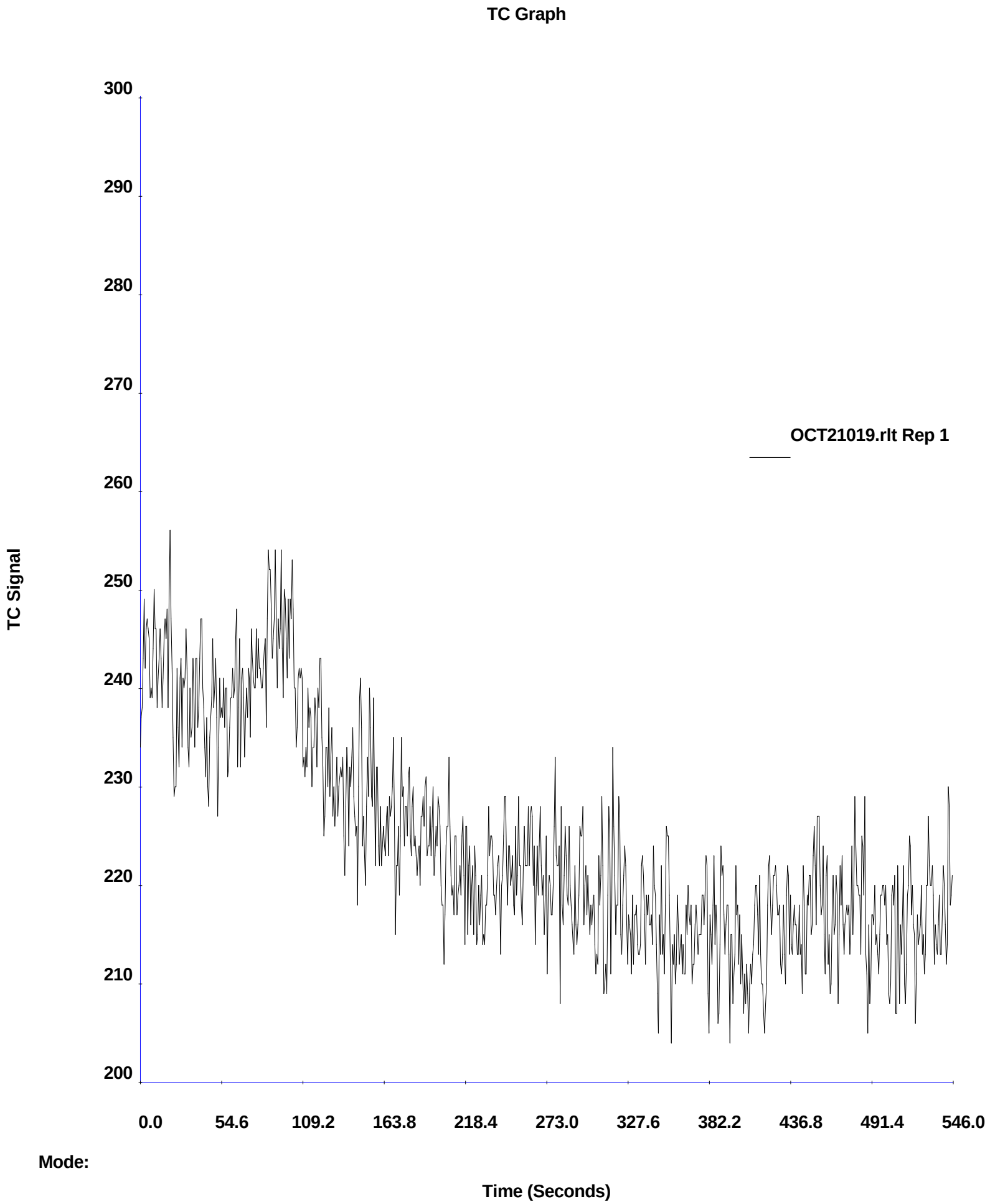
TOC Reporter Version 5.0

Date/Time Thu Oct 21 15:37:56 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21019.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	15:02	100.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	0	0.000	0.00



Mode:

Absolute

10/28/2010

TOC Reporter Version 5.0

Date/Time Thu Oct 21 15:38:20 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21020.rlt	62043-B-3 MSDr1	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	16267.0	6.488	6.38	<n/a>	<n/a>

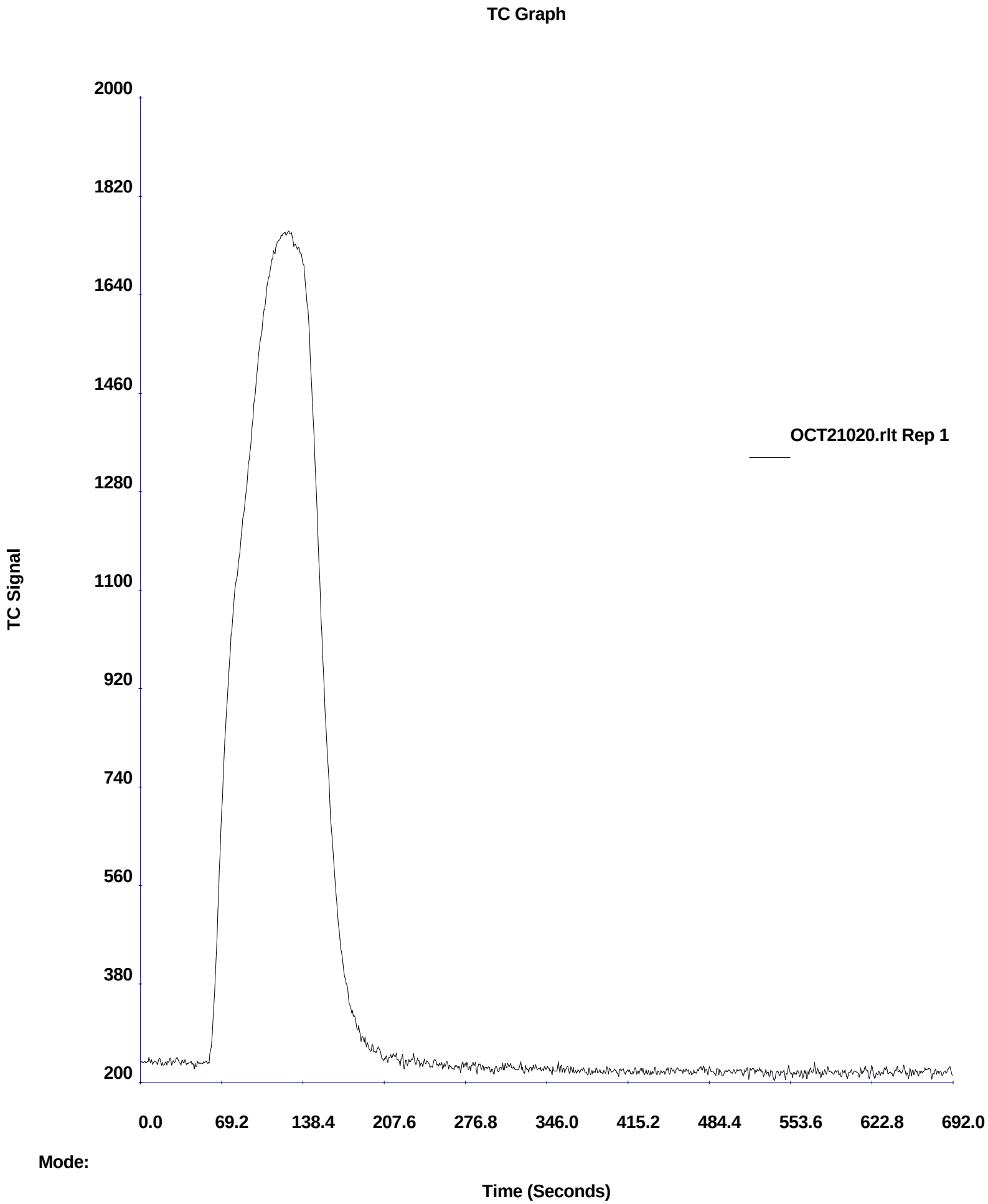
TOC Reporter Version 5.0

Date/Time Thu Oct 21 15:38:20 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21020.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	15:13	101.700	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	16267	6.488	6.38



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 15:38:46 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21021.rlt	62043-B-3 MSDr2	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	16070.0	6.410	6.35	<n/a>	<n/a>

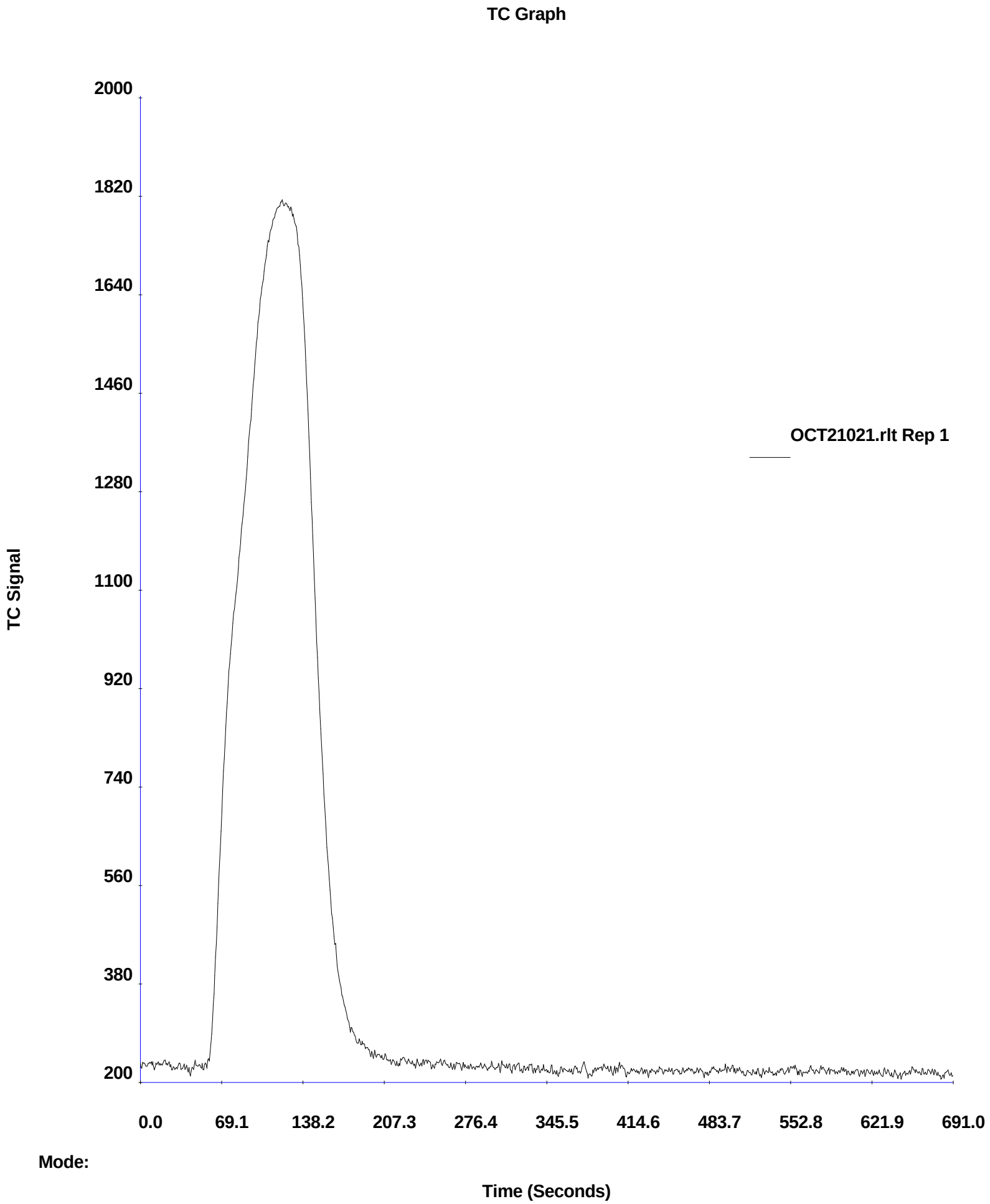
TOC Reporter Version 5.0

Date/Time Thu Oct 21 15:38:46 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21021.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	15:23	101.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	16070	6.410	6.35



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 15:39:10 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21022.rlt	62043-B-3 MSDr3	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	16004.0	6.383	6.30	<n/a>	<n/a>

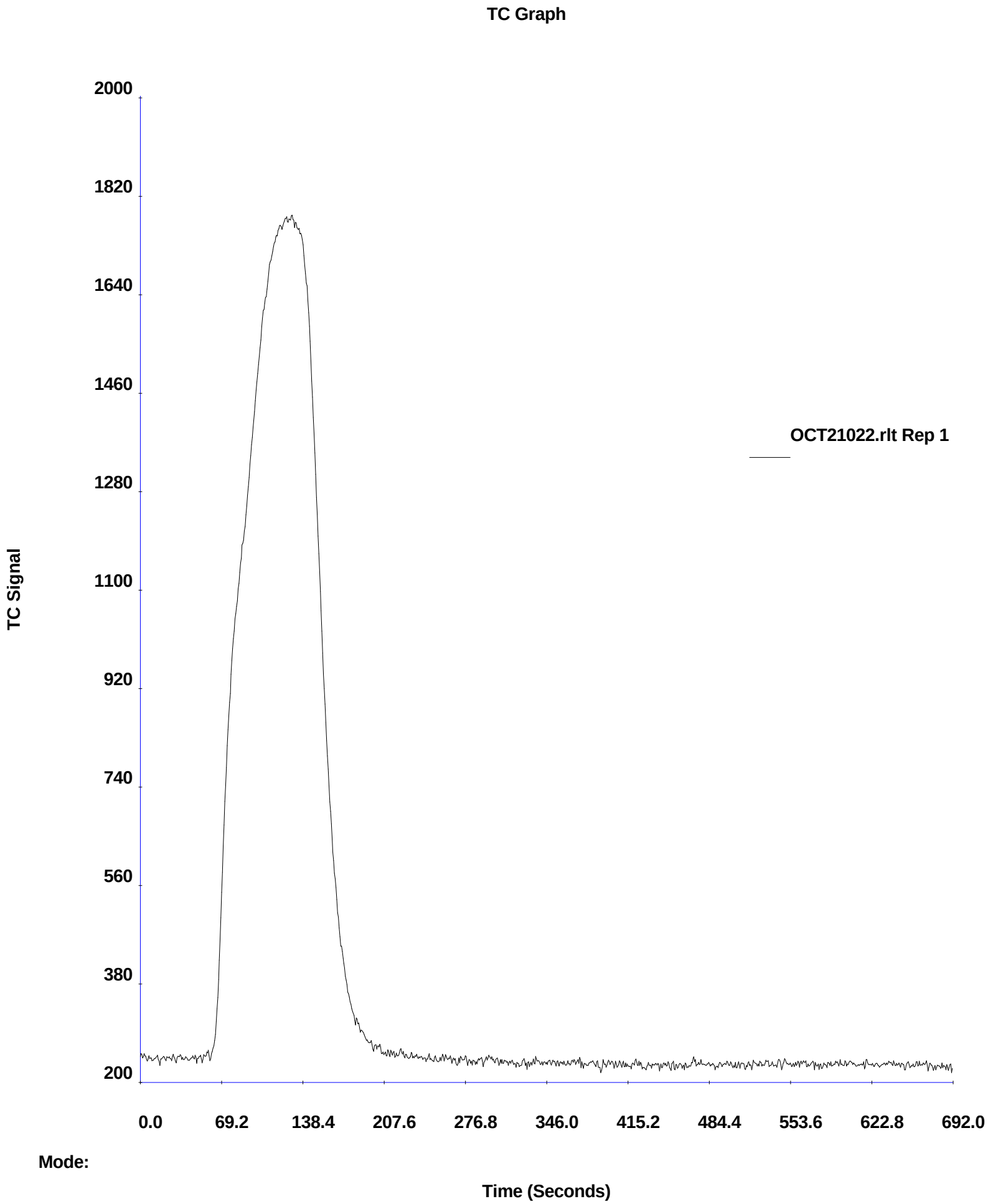
TOC Reporter Version 5.0

Date/Time Thu Oct 21 15:39:10 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21022.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	15:35	101.400	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	16004	6.383	6.30



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 16:14:29 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21023.rlt	62043-B-3 MSDr4	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	15910.0	6.346	6.28	<n/a>	<n/a>

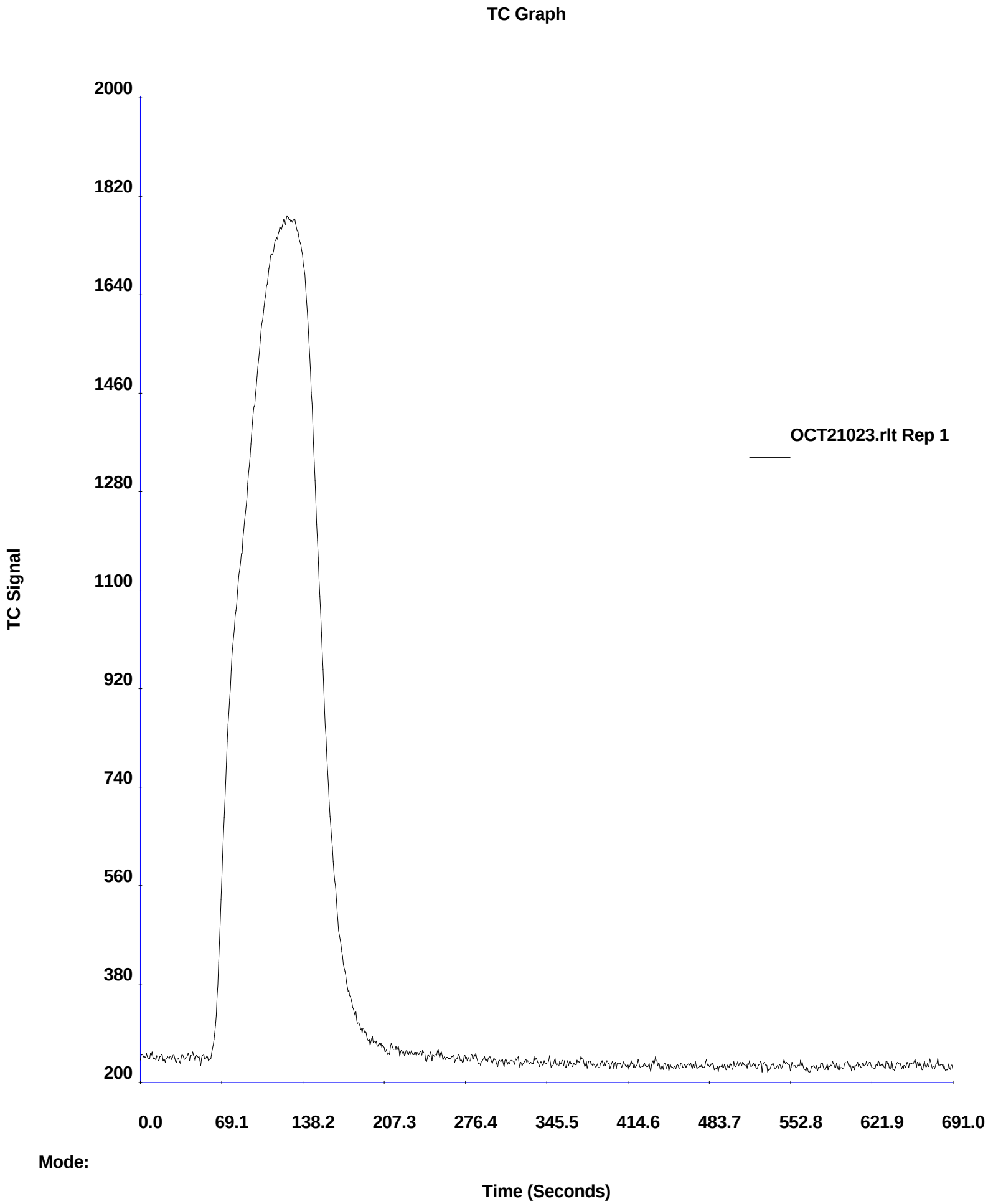
TOC Reporter Version 5.0

Date/Time Thu Oct 21 16:14:29 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21023.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	15:46	101.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	15910	6.346	6.28



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 16:14:54 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21024.rlt	62043-B-2 r1	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	2264.0	0.903	0.89	<n/a>	<n/a>

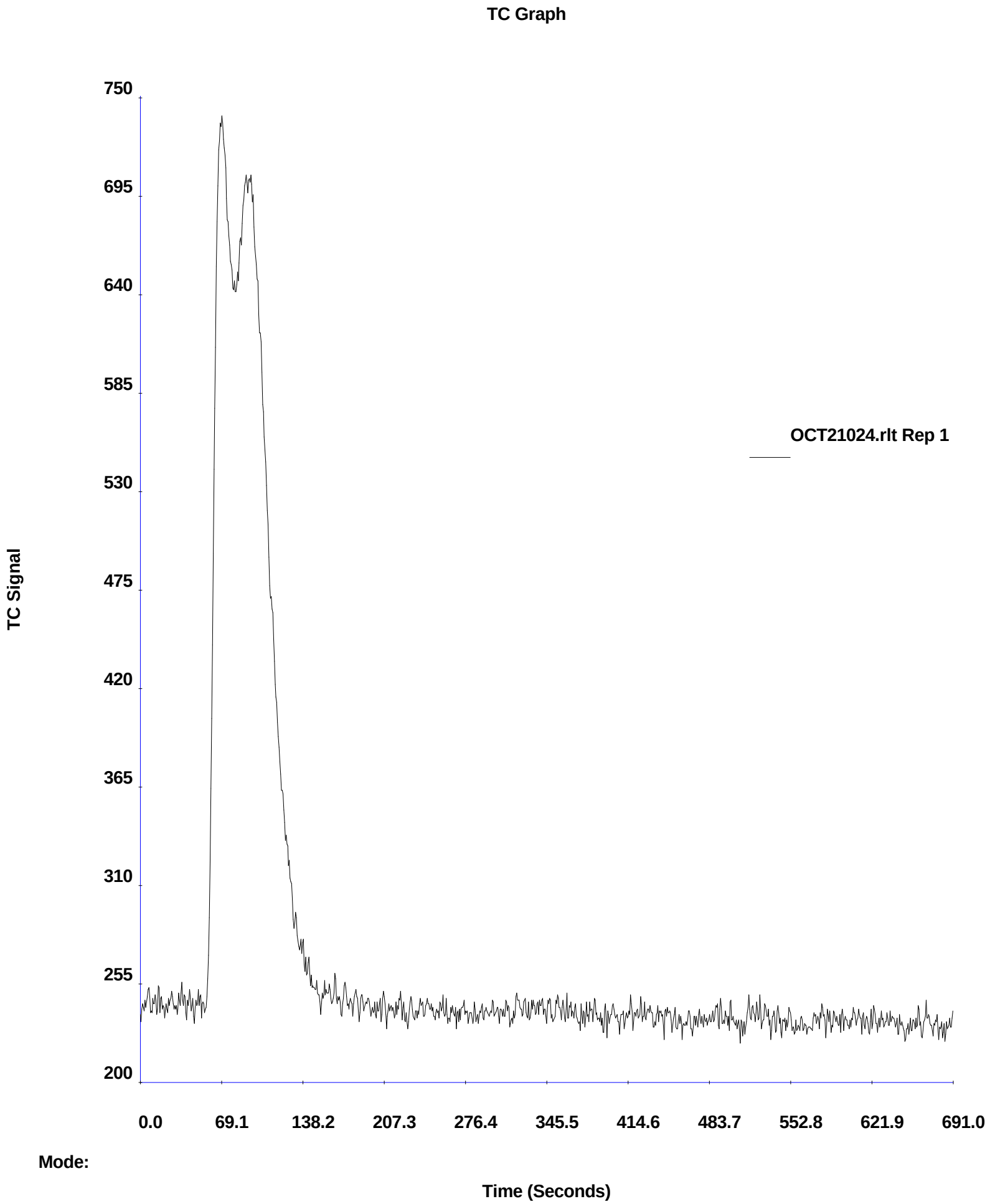
TOC Reporter Version 5.0

Date/Time Thu Oct 21 16:14:54 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21024.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	15:57	101.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	2264	0.903	0.89



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 16:15:19 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21025.rlt	62043-B-2 r2	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	1717.0	0.685	0.66	<n/a>	<n/a>

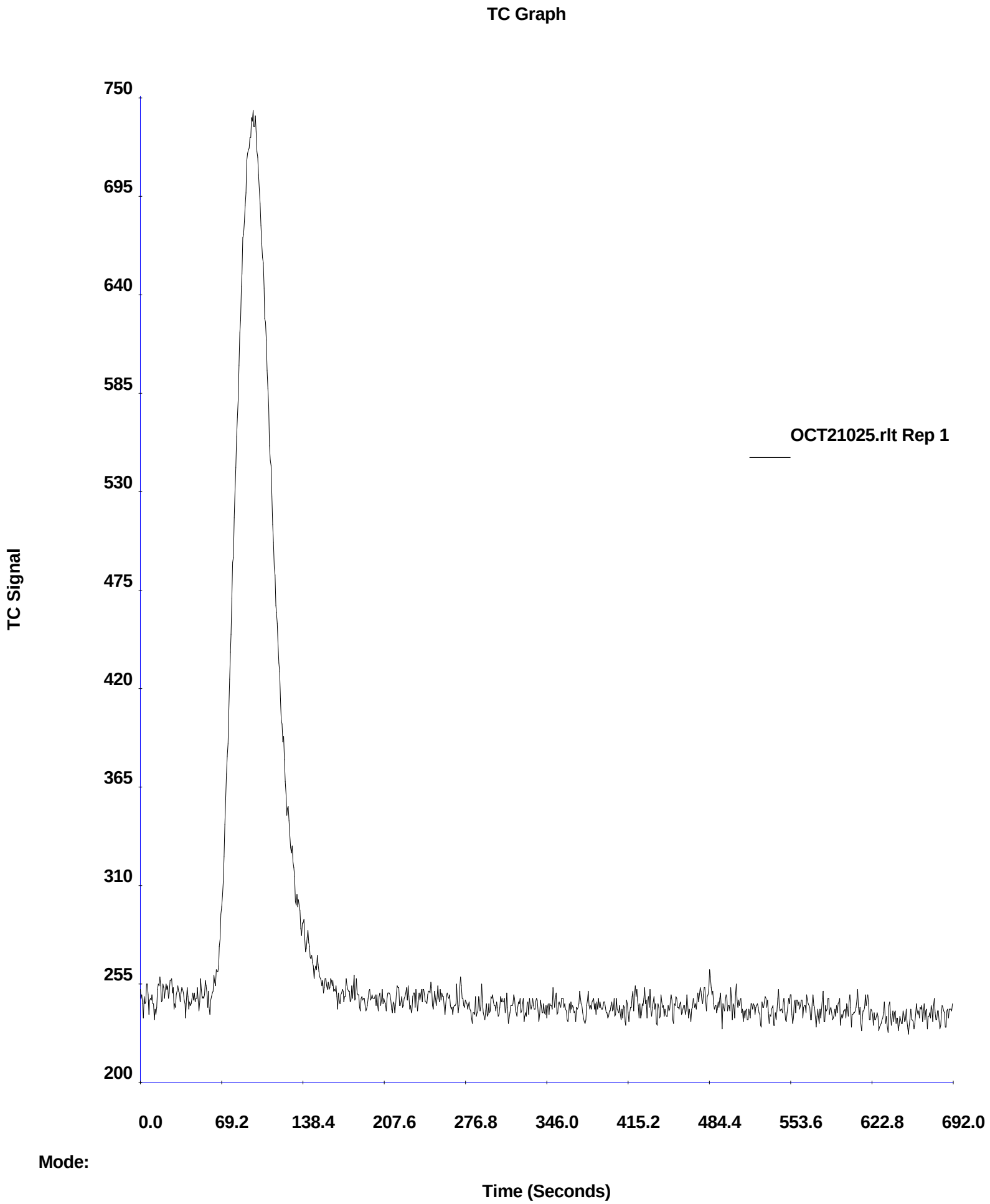
TOC Reporter Version 5.0

Date/Time Thu Oct 21 16:15:19 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21025.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	16:08	103.100	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	1717	0.685	0.66



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:42:01 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21026.rlt	62043-B-2 r3	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	1211.0	0.483	0.48	<n/a>	<n/a>

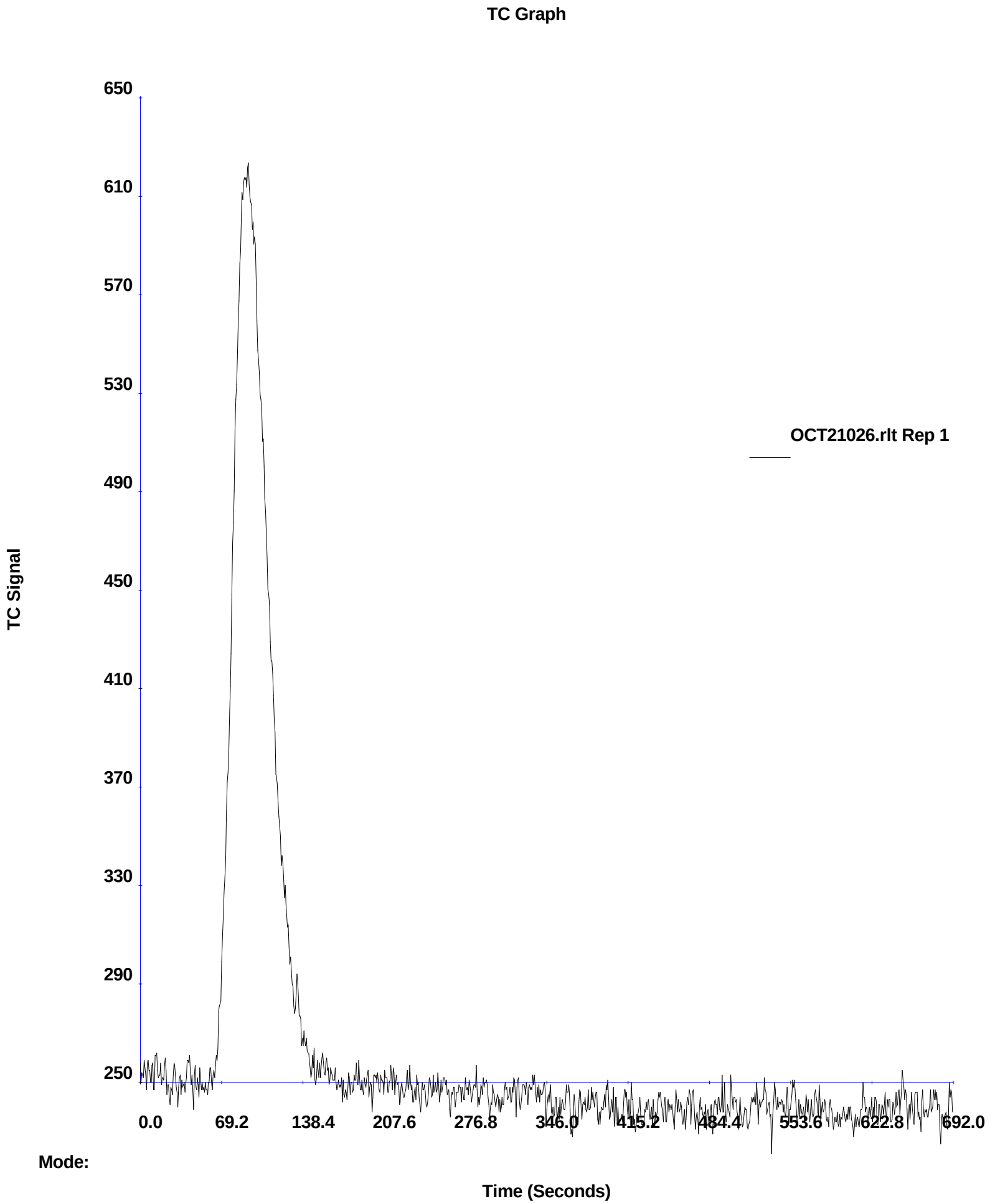
TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:42:01 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21026.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	16:19	100.600	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	1211	0.483	0.48



Mode:

Absolute

10/28/2010

TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:43:07 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21027.rlt	62043-B-2 r4	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	1621.0	0.647	0.64	<n/a>	<n/a>

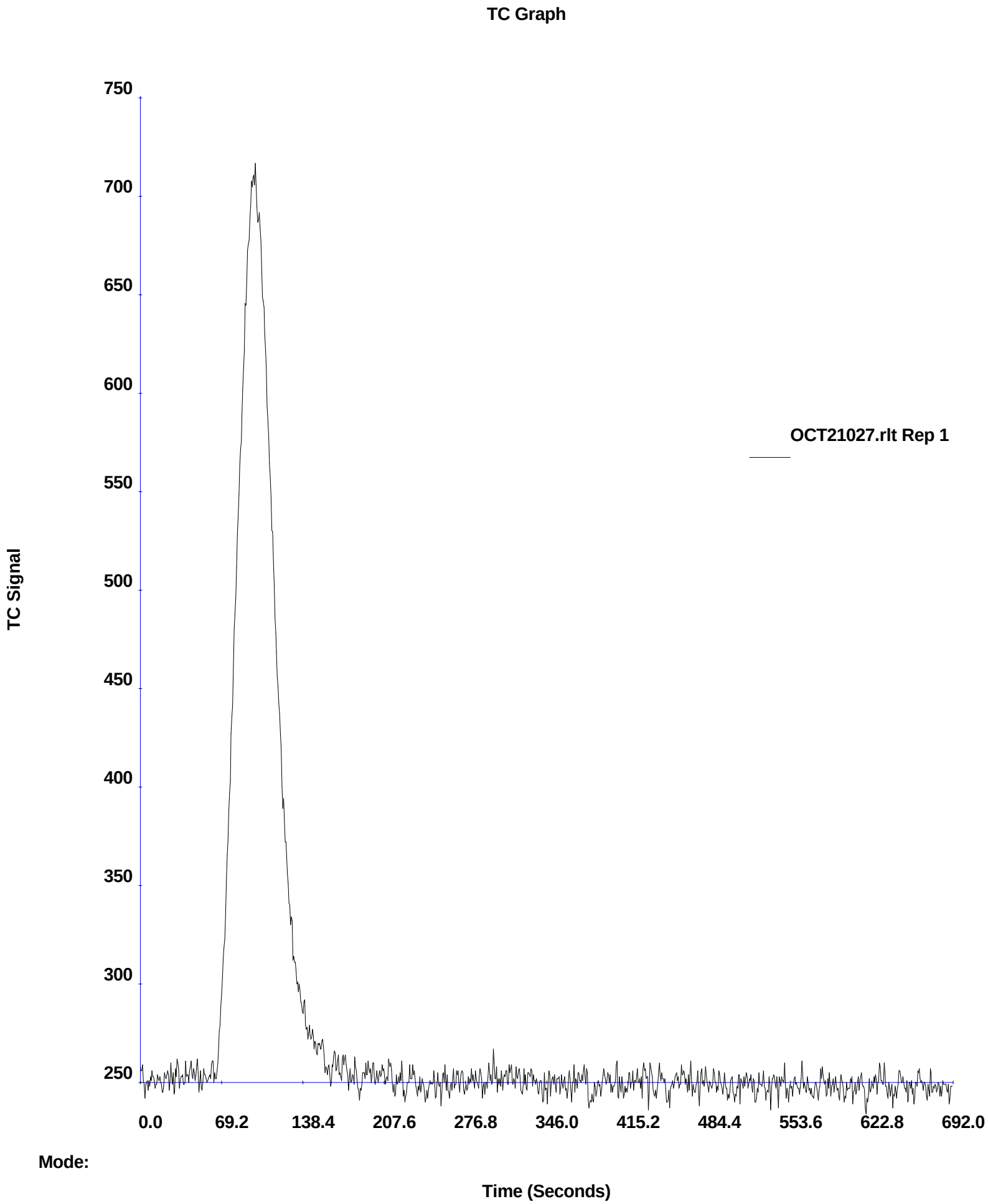
TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:43:07 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21027.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	16:30	100.500	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	1621	0.647	0.64



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:43:33 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21028.rlt	CCV	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	13369.0	5.332	106.65	<n/a>	<n/a>

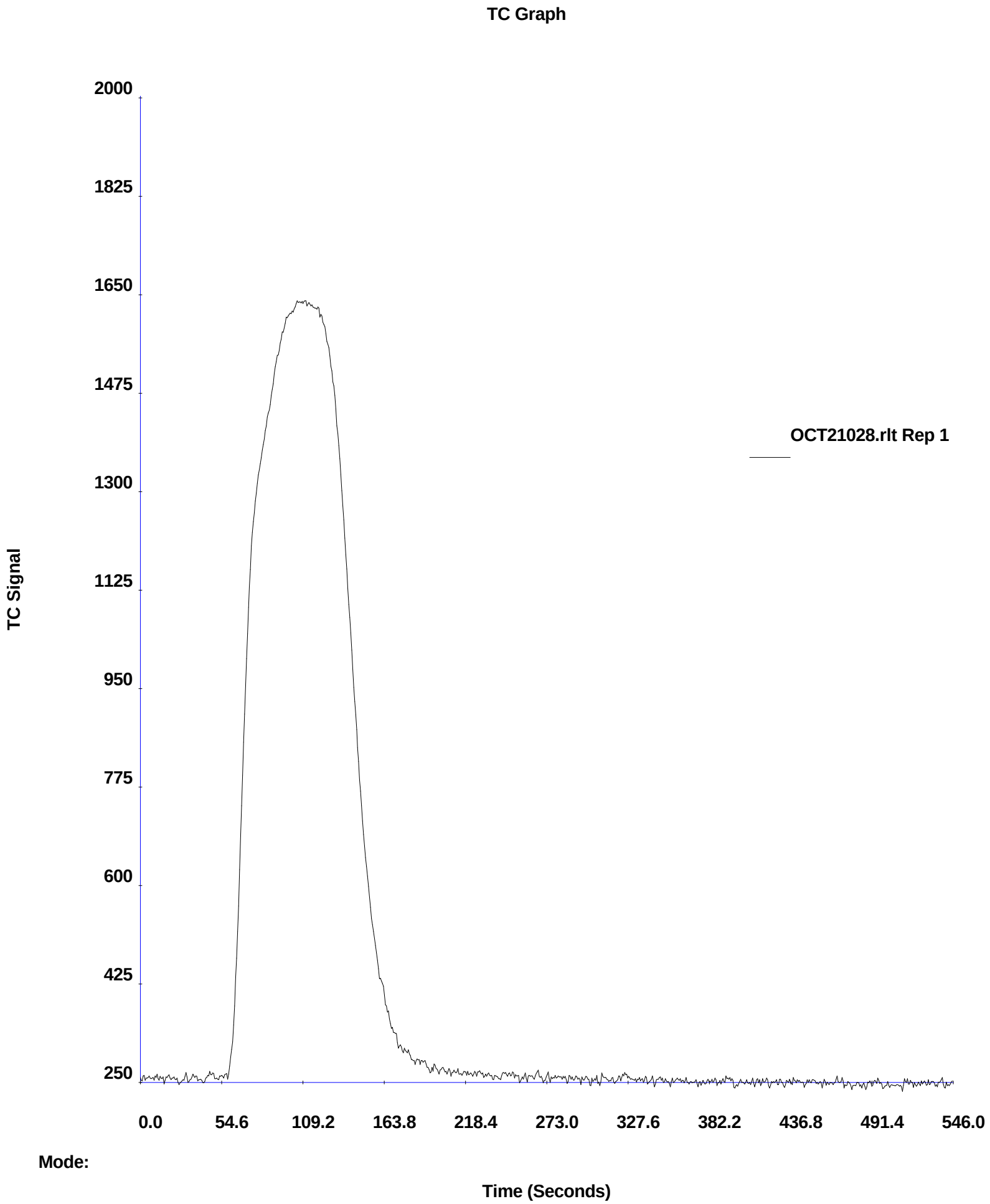
TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:43:33 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21028.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	16:38	5.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	13369	5.332	106.65



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:43:59 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21029.rlt	CCB	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	0.0	0.000	0.00	<n/a>	<n/a>

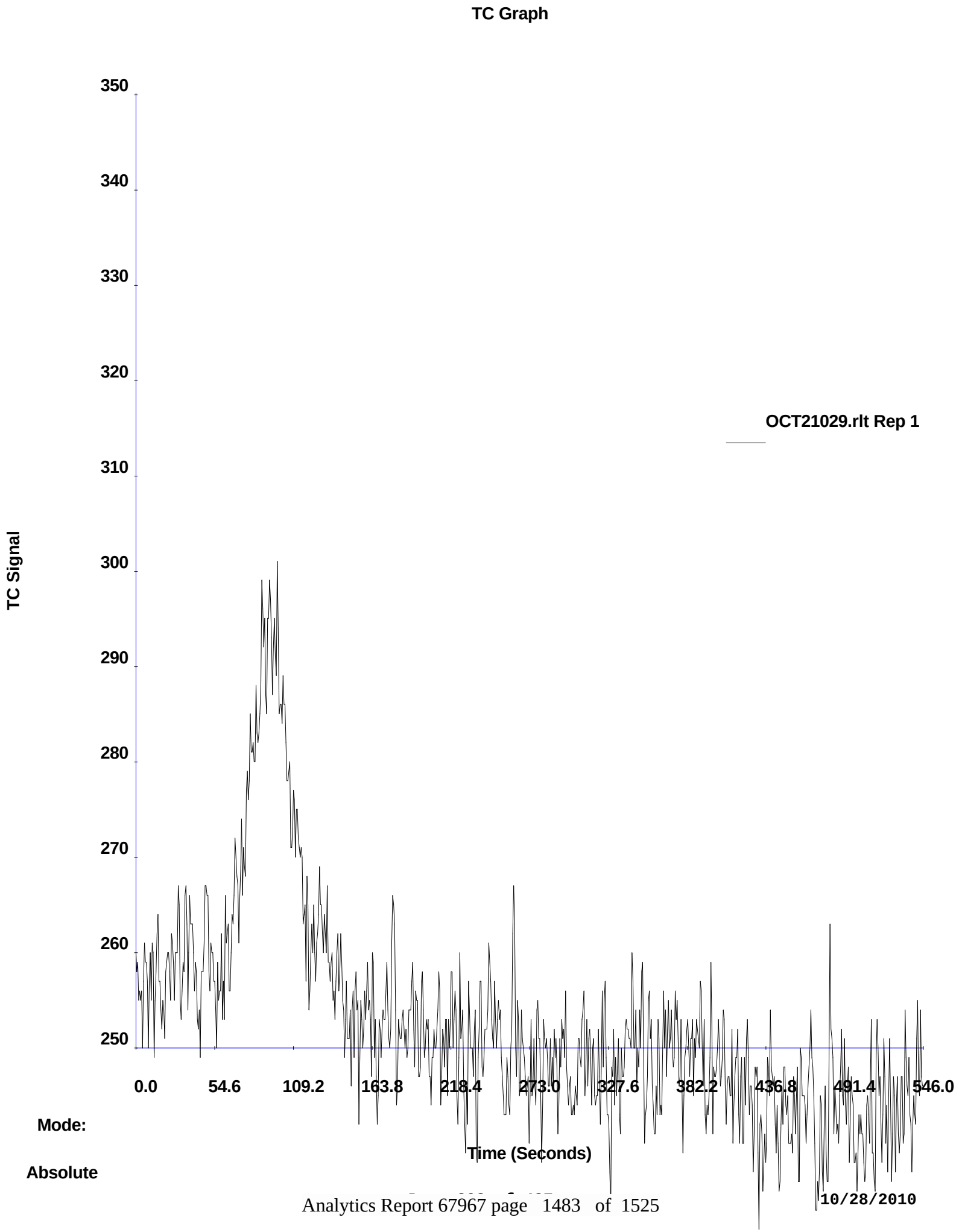
TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:43:59 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21029.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	16:47	100.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	0	0.000	0.00


TC Graph
350
340
330
320
310
300
290
280
270
260
250
TC Signal
OCT21029.rlt Rep 1
0.0
54.6
109.2
163.8
218.4
273.0
327.6
382.2
436.8
491.4
546.0
Time (Seconds)
Mode:
Absolute
10/28/2010

TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:44:26 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21030.rlt	62043-B-1 r1	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	7588.0	3.027	2.98	<n/a>	<n/a>

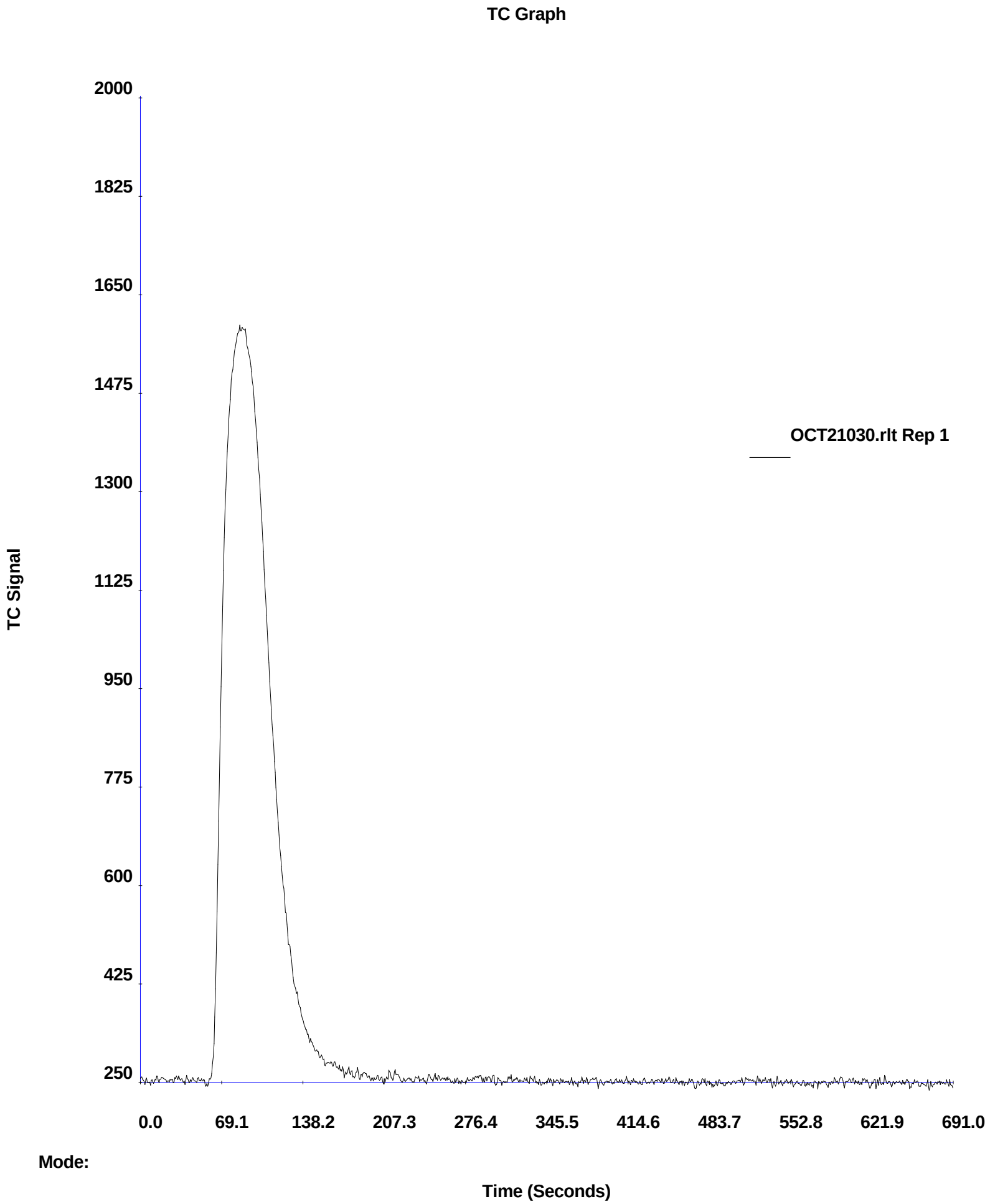
TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:44:26 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21030.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	16:58	101.500	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	7588	3.027	2.98



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:44:54 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21031.rlt	62043-B-1 r2	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	5191.0	2.071	2.06	<n/a>	<n/a>

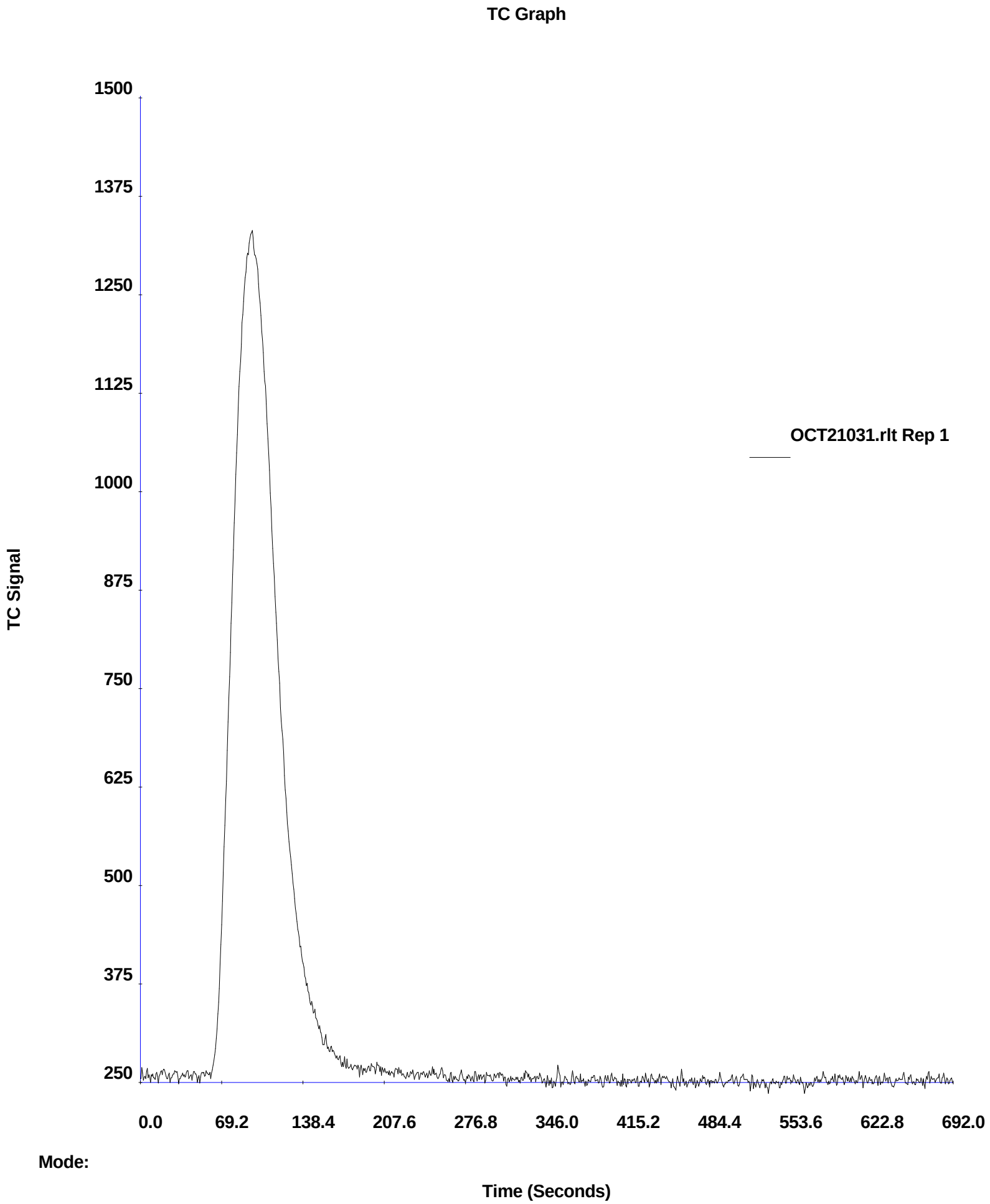
TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:44:54 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21031.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	17:09	100.700	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	5191	2.071	2.06



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:45:19 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21032.rlt	62043-B-1 r3	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	4869.0	1.942	1.93	<n/a>	<n/a>

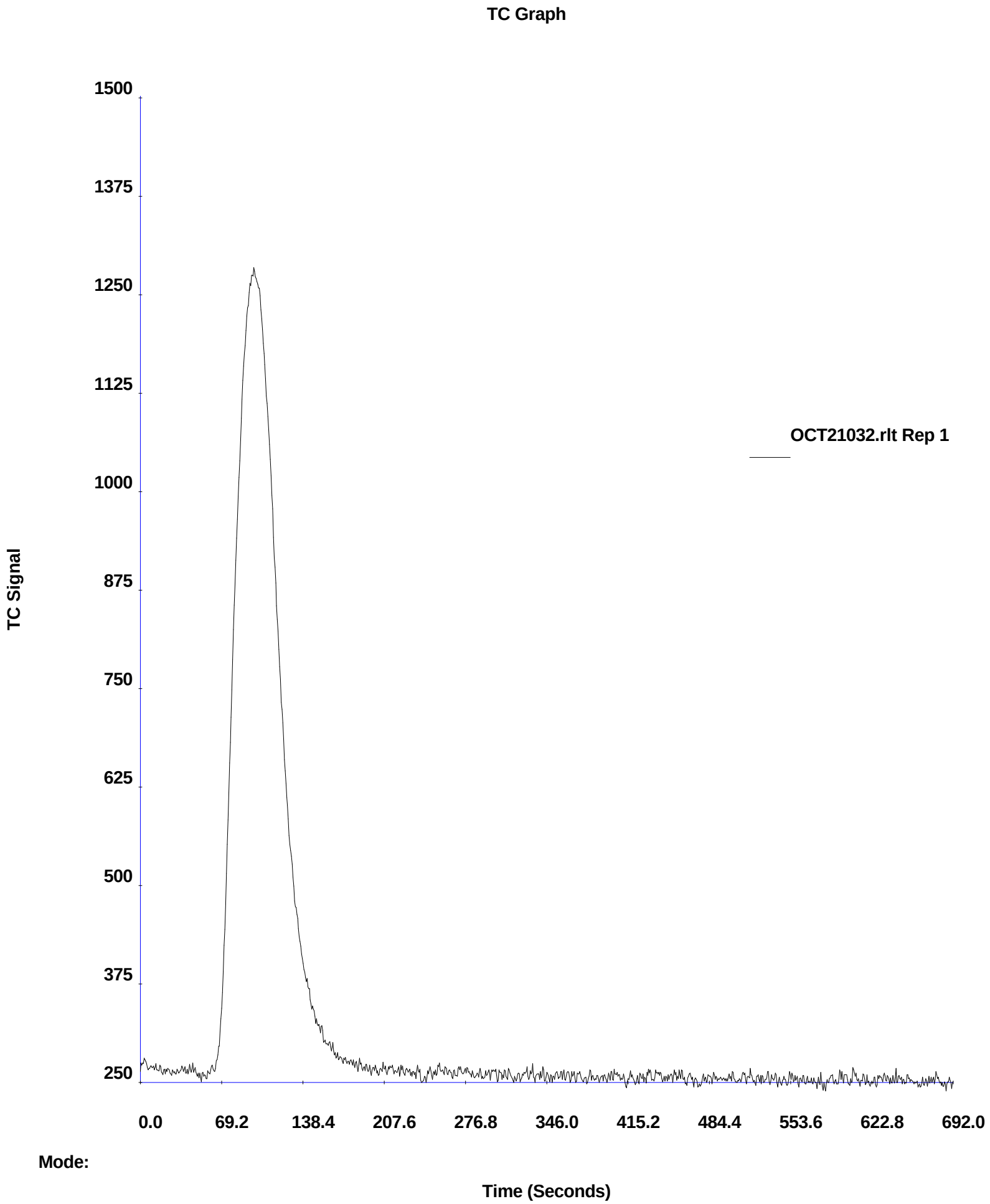
TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:45:19 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21032.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	17:20	100.600	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	4869	1.942	1.93



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:45:47 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21033.rlt	62043-B-1 r4	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	4136.0	1.650	1.64	<n/a>	<n/a>

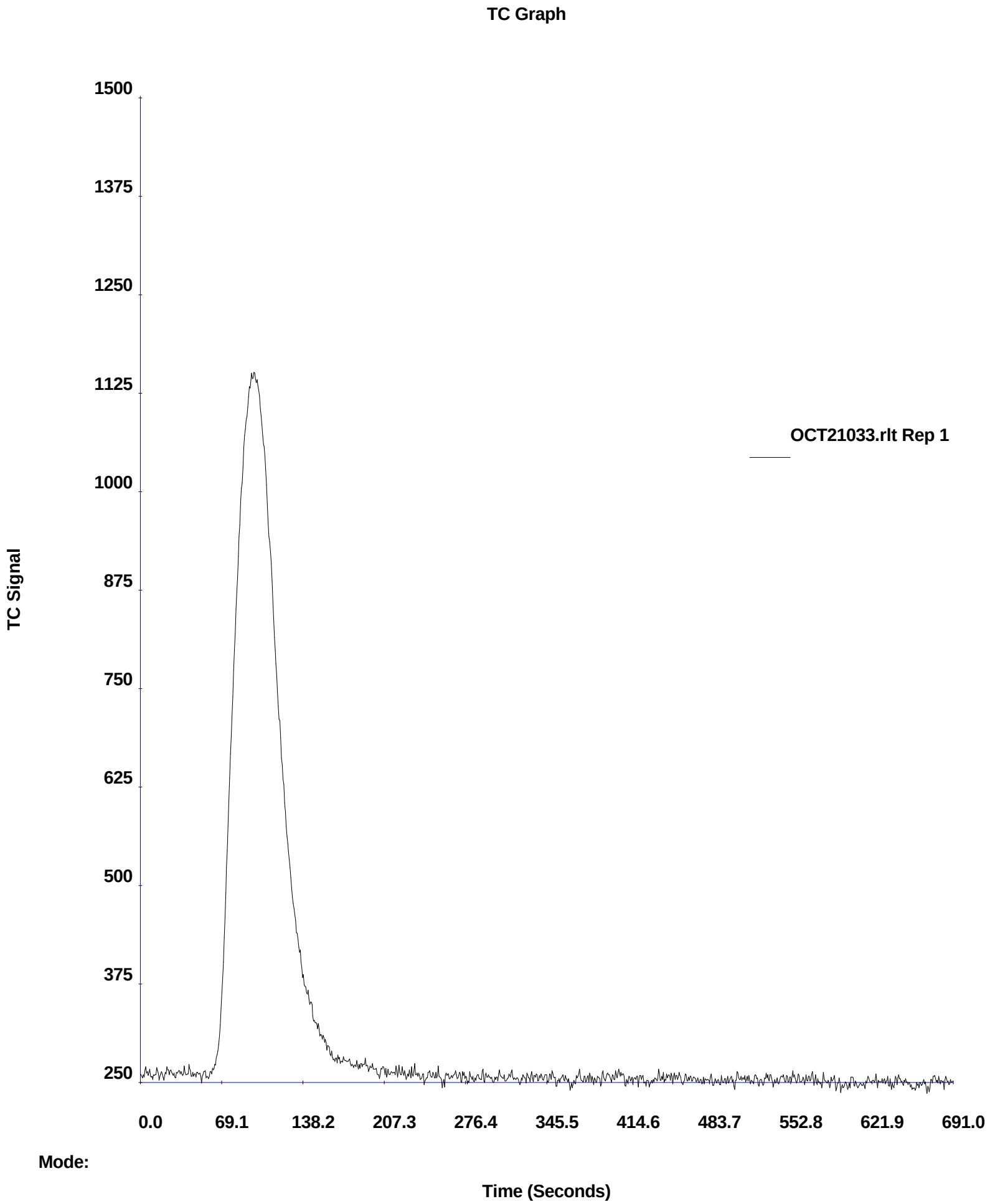
TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:45:47 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21033.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	17:31	100.300	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	4136	1.650	1.64



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:46:12 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21034.rlt	62043-B-4 r1	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	492.0	0.196	0.20	<n/a>	<n/a>

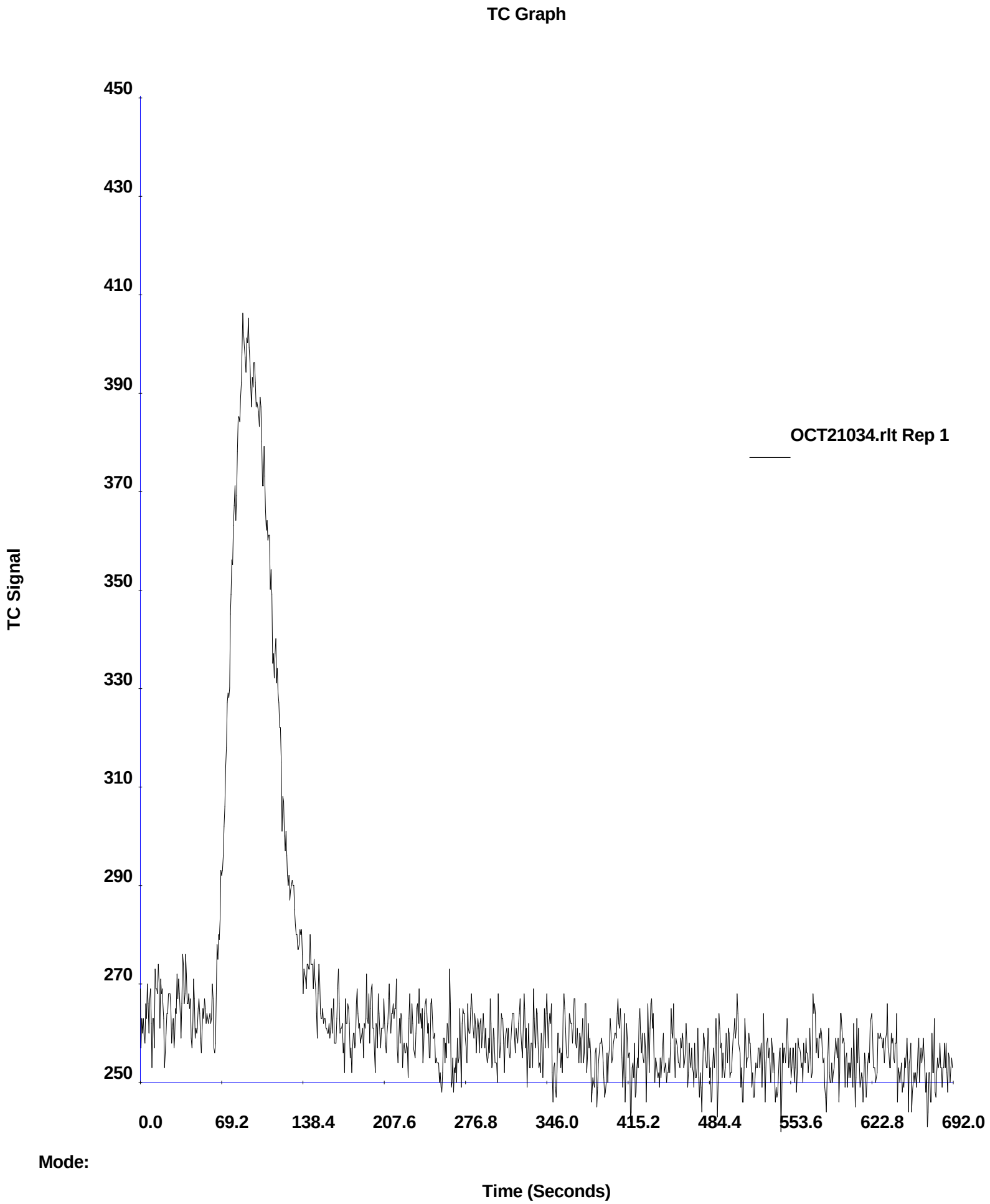
TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:46:12 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21034.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	17:42	100.500	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	492	0.196	0.20



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:54:05 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21035.rlt	62043-B-4 r2	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	580.0	0.231	0.23	<n/a>	<n/a>

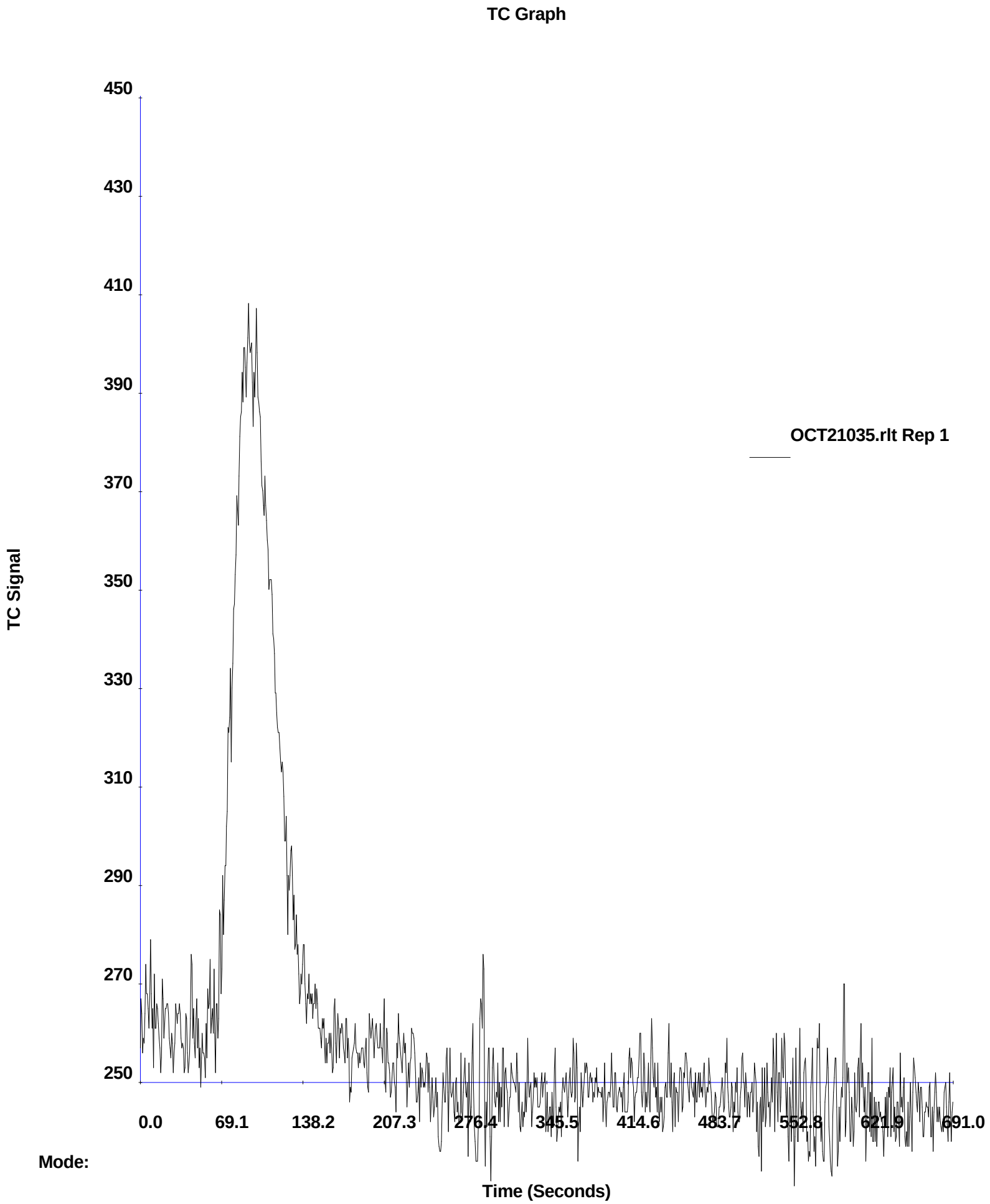
TOC Reporter Version 5.0

Date/Time Thu Oct 21 17:54:05 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21035.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	17:52	100.800	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	580	0.231	0.23


TC Graph
450
430
410
390
370
350
330
310
290
270
250
TC Signal
OCT21035.rlt Rep 1
0.0
69.1
138.2
207.3
276.4
345.5
414.6
483.7
552.8
621.9
691.0
Time (Seconds)
Mode:
Absolute

10/28/2010

TOC Reporter Version 5.0

Date/Time Thu Oct 21 18:04:49 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21036.rlt	62043-B-4 r3	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	593.0	0.237	0.23	<n/a>	<n/a>

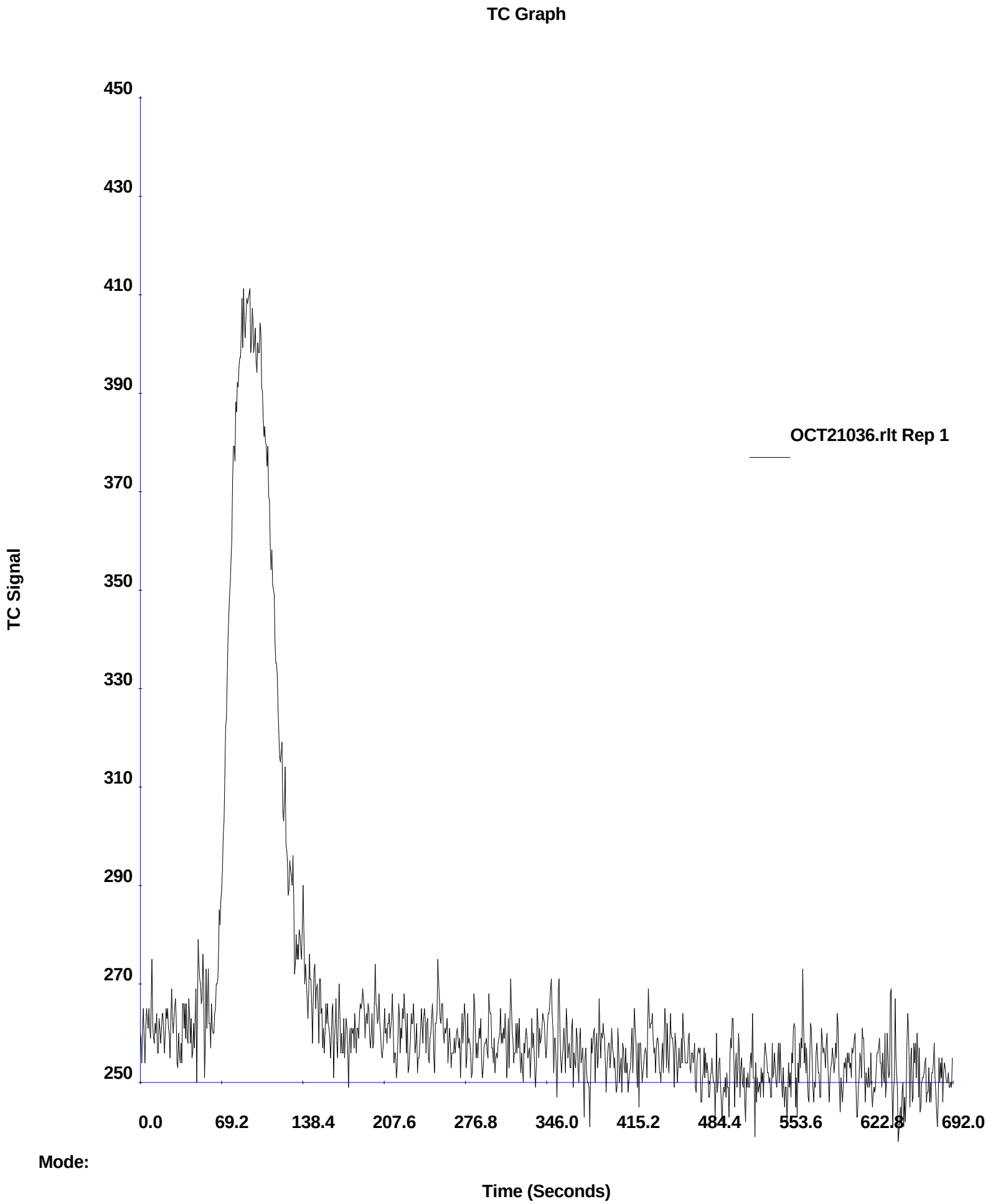
TOC Reporter Version 5.0

Date/Time Thu Oct 21 18:04:49 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21036.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	18:03	102.200	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	593	0.237	0.23



Mode:

Absolute

TOC Reporter Version 5.0

Date/Time Thu Oct 21 18:15:45 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21037.rlt	62043-B-4 r4	1	tc-9	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	440.0	0.175	0.17	<n/a>	<n/a>

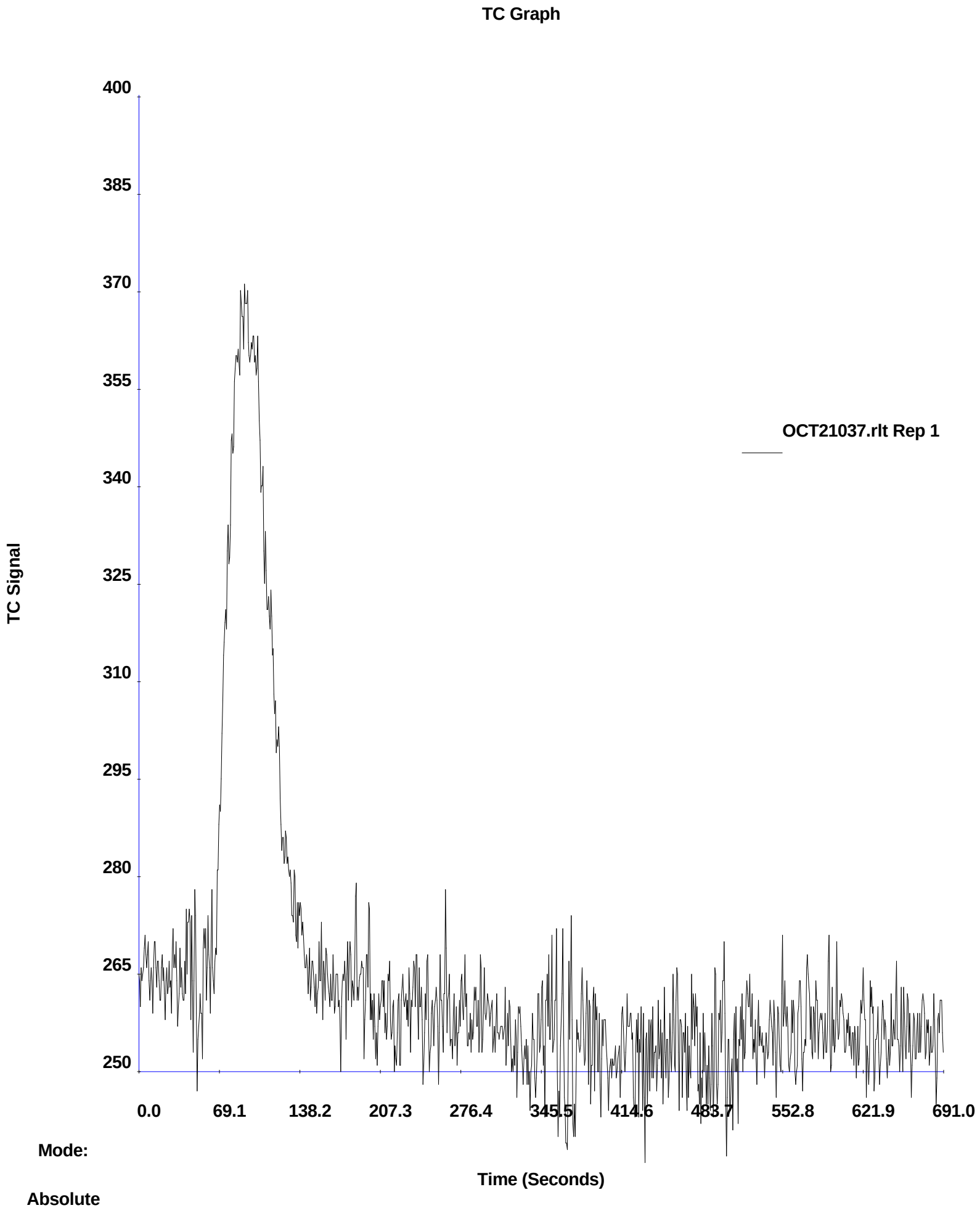
TOC Reporter Version 5.0

Date/Time Thu Oct 21 18:15:45 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21037.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	18:14	101.500	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	440	0.175	0.17



Mode:

Absolute

10/28/2010

TOC Reporter Version 5.0

Date/Time Thu Oct 21 18:25:42 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21038.rlt	CCV	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	14038.0	5.599	111.99	<n/a>	<n/a>

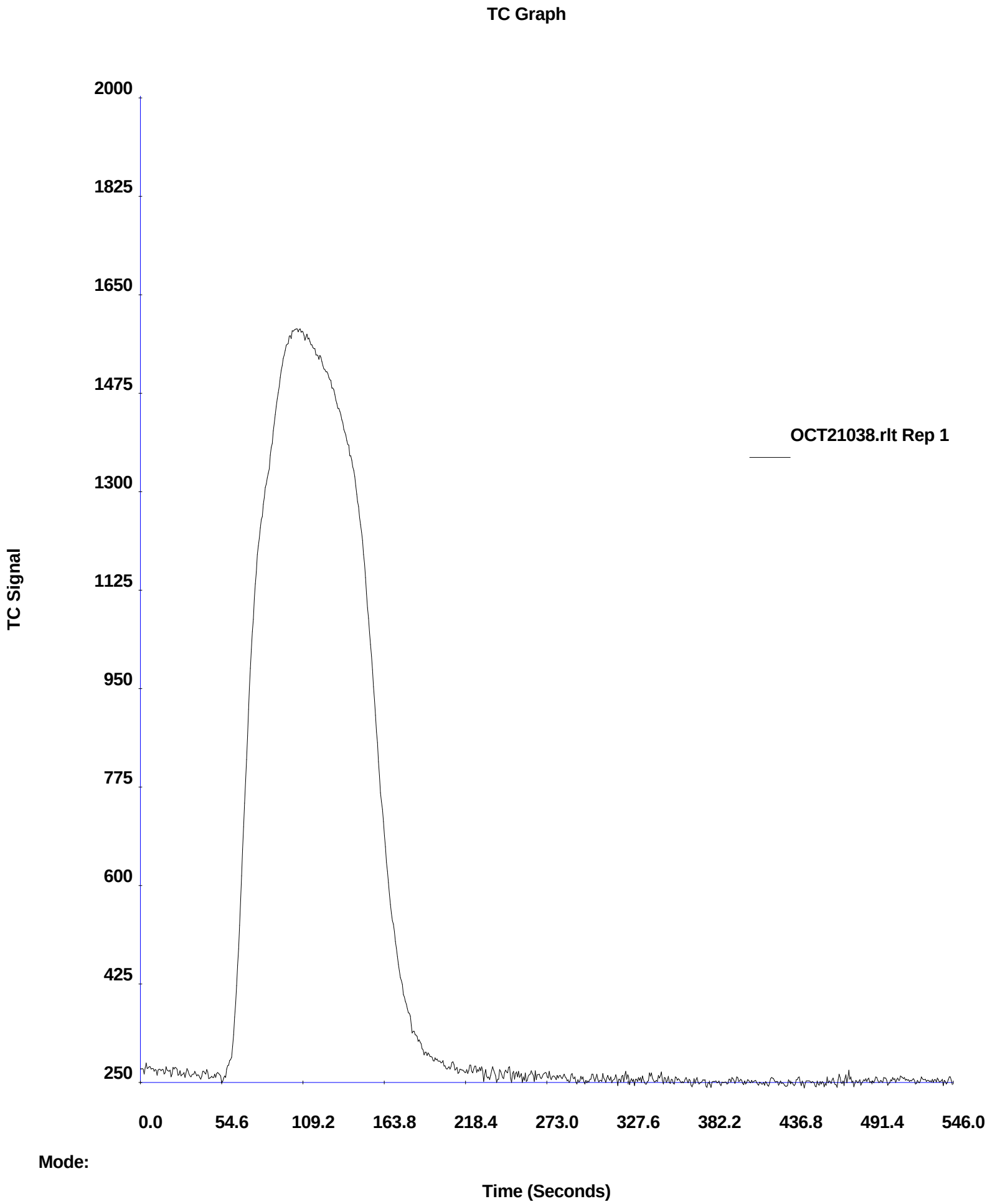
TOC Reporter Version 5.0

Date/Time Thu Oct 21 18:25:42 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21038.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	18:23	5.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	14038	5.599	111.99



Mode:

Absolute

10/28/2010

TOC Reporter Version 5.0

Date/Time Thu Oct 21 18:34:15 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21039.rlt	CCV	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	13365.0	5.331	106.62	<n/a>	<n/a>

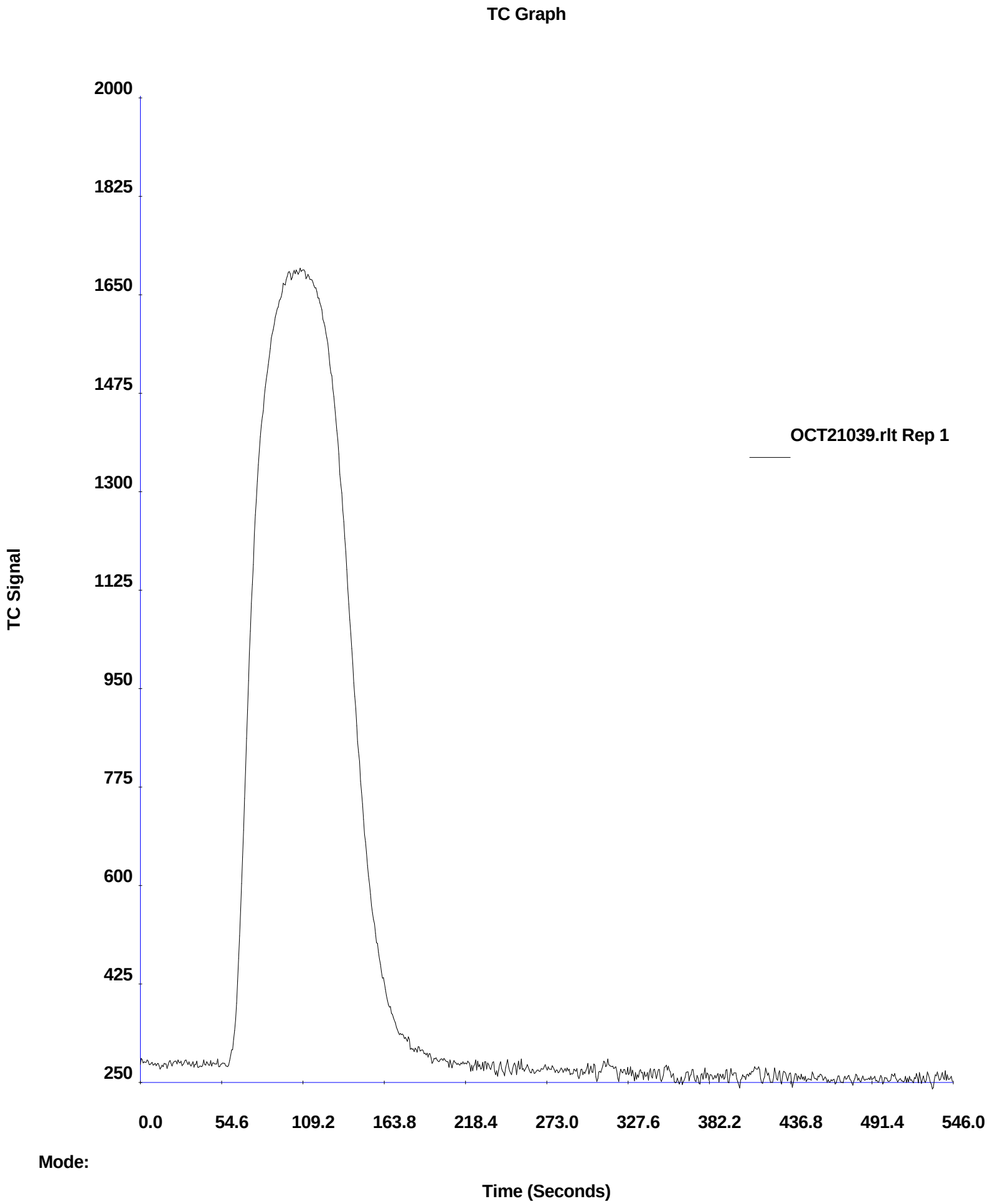
TOC Reporter Version 5.0

Date/Time Thu Oct 21 18:34:15 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21039.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	18:33	5.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	13365	5.331	106.62



Mode:

Absolute

10/28/2010

TOC Reporter Version 5.0

Date/Time Thu Oct 21 18:42:26 2010 1 samples in printout '*' = user modified '~' = unused

#	File Name	Sample Name	#Reps	Method Name	Sequence Name	Operator	Comment
1	OCT21040.rlt	CCB	1	tc	oct2110	KB	

#	Intro	Run Type	Cal Name	RF(ugC/k-cts)	Offset(mgC)	Offset(cts)
1	Solids	SAMPLE	cal101910b	398.870	0.000	0

#	Mode	Avg Area (cts)	Avg Mass (mgC)	Avg Conc (%C)	Std Dev (mgC)	RSD(%)
1	TIC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TOC	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>
	TC	0.0	0.000	0.00	<n/a>	<n/a>

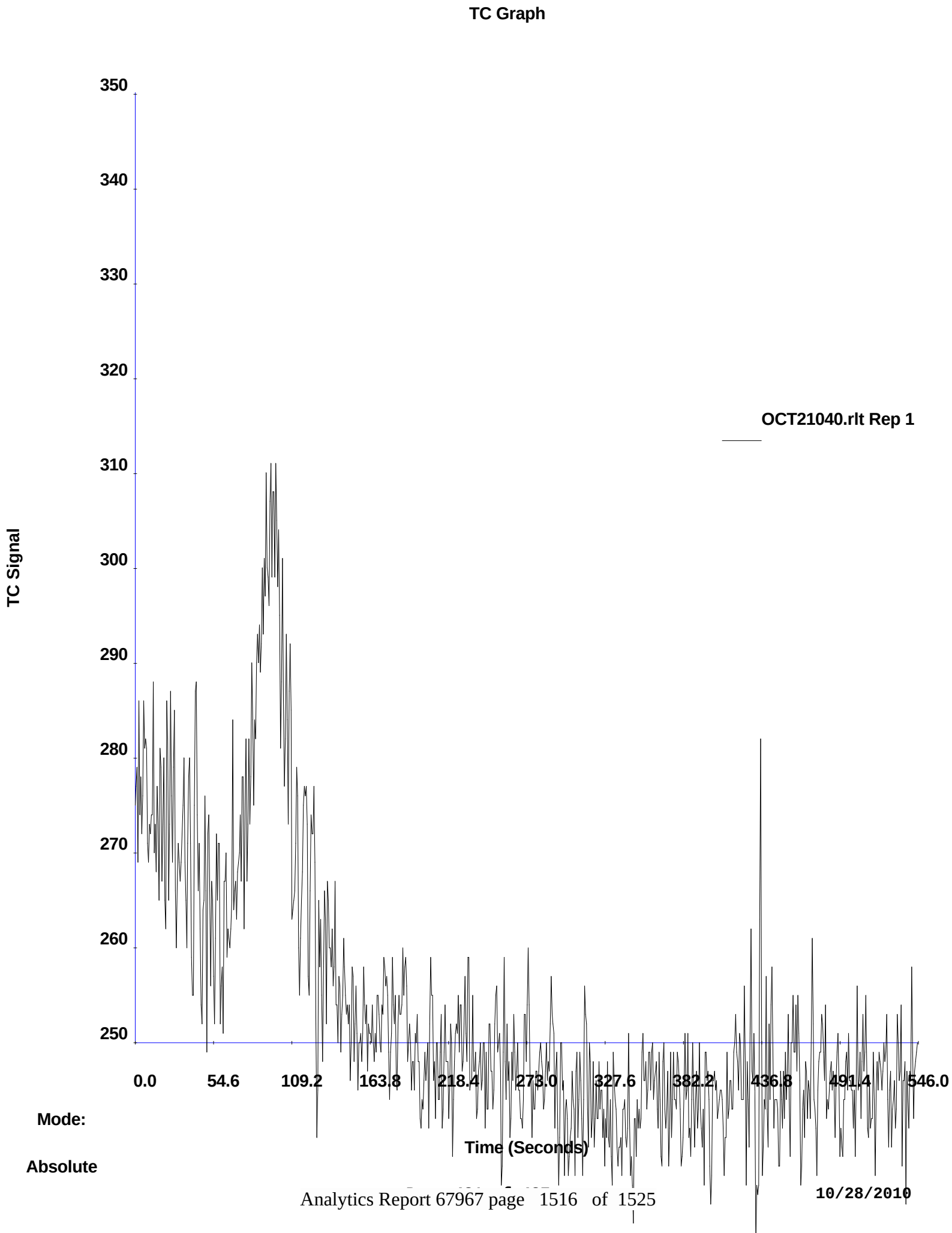
TOC Reporter Version 5.0

Date/Time Thu Oct 21 18:42:26 2010 1 samples in printout '*' = user modified '~' = unused

********** RESULTS FOR SAMPLE # 1 (OCT21040.rlt) **********

Rep#	Date	Time	Spl Size (mg)	Run ID	Used	TC Noise	TOC Noise
1 of 1	21Oct2010	18:42	100.000	1	Yes	2.0	2.0

Rep#	TIC Area (cts)	TIC Mass (mgC)	TIC Conc (%C)	TOC Area (cts)	TOC Mass (mgC)	TOC Conc (%C)	TC Area (cts)	TC Mass (mgC)	TC Conc (%C)
1	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	<n/a>	0	0.000	0.00


TC Graph
350
340
330
320
310
300
290
280
270
260
250
TC Signal
OCT21040.rlt Rep 1
0.0
54.6
109.2
163.8
218.4
273.0
327.6
382.2
436.8
491.4
546.0
Time (Seconds)
Mode:
Absolute
10/28/2010

****
** SEQUENCE **
****

OCT2110 Thu Oct 21 18:24:18 2010

Pos/ Vial	Sample Name	Method	Run Type	# Rep	Mass (mg)	Remarks
1	CCV	TC	Sample	1	5.000	
2	CCV	TC	Sample	1	5.000	
3	CCB	TC	Sample	1	100.000	
4	IC CHECK STD	TC	Sample	1	50.000	
5	MB	TC	Sample	1	100.000	
6	LCS r1	TC	Sample	1	6.000	
7	LCS r2	TC	Sample	1	6.000	
8	LCS r3	TC	Sample	1	6.000	
9	LCS r4	TC	Sample	1	6.000	
10	62043-B-3 r1	TC-9	Sample	1	100.400	
11	62043-B-3 r2	TC-9	Sample	1	100.000	
12	62043-B-3 r3	TC-9	Sample	1	100.900	
13	62043-B-3 r4	TC-9	Sample	1	100.100	
14	62043-B-3 MS r1	TC-9	Sample	1	101.300	
15	62043-B-3 MS r2	TC-9	Sample	1	101.600	
16	62043-B-3 MS r3	TC-9	Sample	1	101.000	
17	62043-B-3 MS r4	TC-9	Sample	1	101.000	
18	CCV	TC	Sample	1	5.000	
19	CCB	TC	Sample	1	100.000	
20	62043-B-3 MSDr1	TC-9	Sample	1	101.700	
21	62043-B-3 MSDr2	TC-9	Sample	1	101.000	
22	62043-B-3 MSDr3	TC-9	Sample	1	101.400	
23	62043-B-3 MSDr4	TC-9	Sample	1	101.000	
24	62043-B-2 r1	TC-9	Sample	1	101.000	
25	62043-B-2 r2	TC-9	Sample	1	103.100	
26	62043-B-2 r3	TC-9	Sample	1	100.600	
27	62043-B-2 r4	TC-9	Sample	1	100.500	
28	CCV	TC	Sample	1	5.000	
29	CCB	TC	Sample	1	100.000	
30	62043-B-1 r1	TC-9	Sample	1	101.500	
31	62043-B-1 r2	TC-9	Sample	1	100.700	
32	62043-B-1 r3	TC-9	Sample	1	100.600	
33	62043-B-1 r4	TC-9	Sample	1	100.300	
34	62043-B-4 r1	TC-9	Sample	1	100.500	
35	62043-B-4 r2	TC-9	Sample	1	100.800	
36	62043-B-4 r3	TC-9	Sample	1	102.200	
37	62043-B-4 r4	TC-9	Sample	1	101.500	
38	CCV	TC	Sample	1	5.000	
39	CCV	TC	Sample	1	5.000	
40	CCB	TC	Sample	1	100.000	

Metals Worksheet

Batch Number: 400-118986
Method: DI Leach
Analyst: Gimlin, Wendy

Date Open: Oct 20 2010 9:00AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	GCD-LCS-W_00005
MB~400-118986/1		DI Leach, 9050A		5 g	100 mL	
LCS~400-118986/2		DI Leach, 9050A		5 g	100 mL	100 mL
680-62043-A-1	WC-B82-DC-01	DI Leach, 9050A	S	5 g	100 mL	
680-62043-A-2	WC-B82-APN-01	DI Leach, 9050A	S	5 g	100 mL	
680-62043-A-3	WC-B82-GTM-01	DI Leach, 9050A	S	5 g	100 mL	
680-62043-A-4	WC-B82-GTM-02	DI Leach, 9050A	S	5 g	100 mL	

General Chemistry Worksheet

Batch Number: 400-119046
Method: 9050A
Analyst: Gimlin, Wendy

Date Open: Oct 20 2010 3:00PM
Batch End:

Lab ID	Client ID	Method Chain	Basis

General Chemistry Worksheet

Batch Number: 680-183799
Method: 9060
Analyst: Holmes, Tinita

Date Open: Oct 21 2010 11:13AM
Batch End: Oct 21 2010 6:42PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	TOCSS-CCV_00013
MB~680-183799/1		9060A		100 mg		
LCS~680-183799/2		9060A		100 mg	100 mg	20 uL
680-62043-B-3	WC-B82-GTM-01	9060A	T	100.4 mg		
680-62043-B-3~MS	WC-B82-GTM-01	9060A	T	101.3 mg	101.3 mg	20 uL
680-62043-B-3~MSD	WC-B82-GTM-01	9060A	T	101.7 mg	101.7 mg	20 uL
680-62043-B-2	WC-B82-APN-01	9060A	T	101.0 mg		
680-62043-B-1	WC-B82-DC-01	9060A	T	101.5 mg		
680-62043-B-4	WC-B82-GTM-02	9060A	T	100.5 mg		

HCl Vendor: MALLINCKRODT
Lot # of hydrochloric acid: 50% HCl 00006

General Chemistry Worksheet

Batch Number: 680-183799
Method: 9060
Analyst: Holmes, Tinita

Date Open: Oct 21 2010 11:13AM
Batch End: Oct 21 2010 6:42PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-183799/1		9060A		
LCS~680-183799/2		9060A		
680-62043-B-3	WC-B82-GTM-01	9060A	T	
680-62043-B-3~MS	WC-B82-GTM-01	9060A	T	
680-62043-B-3~MSD	WC-B82-GTM-01	9060A	T	
680-62043-B-2	WC-B82-APN-01	9060A	T	
680-62043-B-1	WC-B82-DC-01	9060A	T	
680-62043-B-4	WC-B82-GTM-02	9060A	T	

Batch Comment: NA

Chain Of Custody Form

TA - GA

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Lab Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: 106-2282 Proj. Name: NAS-SOWEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO#67967 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type	pH	Analytics Sample #
WC-B82-DC-01	10/6/10	715	RCRA 8 Metals/Sp. Cond. /TOC		X						S	3 G		67967 -1
WC-B82-APN-01		720	RCRA 8 Metals/Sp. Cond. /TOC		X						S	G		-2
WC-B82-GTM-01		730	RCRA 8 Metals/Sp. Cond. /TOC		X						S	G		-3
WC-B82-GTM-02		740	RCRA 8 Metals/Sp. Cond. /TOC		X						S	G		-4

KB 10/7/10

Received By: | Time: | Date:
Relinquished By Sampler:

Received By: [illegible] Time: 5:00 Date: 10/7/10
Relinquished By: [illegible]

Received By: Frances Griffin Time: 09:50 Date: 10/8/10
Relinquished By: [illegible]

Email Results to:
mgulli@analyticslab.com
cpayne@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒ 10 Days 10/20/10
*Fee may apply; lab approval required

Comments / Instructions:

Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☐ DOD* ☒ Level IV*
☐ Standard

State:
☐ NH
☒ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required: Y* N
Type: TTEC EDD

Analytics\AEL Documents\AEL COC

Page 1 of 1

3.1
680-62043 62043

CHAIN OF CUSTODIES

TETRA TECH ~~NUS, INC.~~ EC INC

CHAIN OF CUSTODY

NUMBER № 027610

PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
106-22382	NAS SOWEY	BRIAN CORBETT	617-443-7500	ANALYTICS
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS 195 COMMERCE WAY SUITE E
R Claydon		R. CLAYDON	857-272-2020	
		CARRIER/WAYBILL NUMBER		CITY, STATE PORTSMOUTH NH 03801

STANDARD TAT ☑
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☑ 14 day

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TPH/SVOC	VOC	RCRA 8 METALS/TCLP	pH REACT. SULFIDE/CYANIDE	FLASHPOINT	TOC	PCBs	PESTICIDES CONDUCTANCE	COMMENTS 67967
		CONTAINER TYPE PLASTIC (P) or GLASS (G)							G	G	G	G	G	G	G	G	
		PRESERVATIVE USED							4°C	MeOH	4°C	4°C	4°C	4°C	4°C	4°C	
10/6	0715	WC-B82-DC-01	—	—	—	SO	C	13	✓	✓	✓	✓	✓	✓	✓	✓	HOLD TCLP -1
10/6	0720	WC-B82-APN-01	—	—	—	SO	C	13	✓	✓	✓	✓	✓	✓	✓	✓	HOLD TCLP -2
10/6	0730	WC-B82-GTM-01	—	—	—	SO	C	13	✓	✓	✓	✓	✓	✓	✓	✓	HOLD TCLP -3
10/6	0740	WC-B82-GTM-02	—	—	—	SO	C	13	✓	✓	✓	✓	✓	✓	✓	✓	HOLD TCLP -4
		TRIP BLANK	—	—	—	—	—	2		✓							-5

1. RELINQUISHED BY R Claydon	DATE 10/6/10	TIME 1410	1. RECEIVED BY Lisa Lautfest	DATE 10/6/10	TIME 1410
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS Samples rec'd @ 1.4°

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

10/6/10

4/02R

FORM NO. TtNUS-001

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 67967

CLIENT: ~~IPR~~ cp 10/6/10 TTEC

PROJECT: NASSawey

COOLER NUMBER: 121

NUMBER OF COOLERS: 1

DATE RECEIVED: 10/6/10

A: PRELIMINARY EXAMINATION:

DATE COOLER OPENED: 10/6/10

1. Cooler received by(initials): LT

Date Received: 10/6/10

2. Circle one: Hand delivered (If so, skip 3) Shipped

3. Did cooler come with a shipping slip? Y N/A

3a. Enter carrier name and airbill number here:

4. Were custody seals on the outside of cooler? Y N
How many & where: Seal Date: Seal Name:

5. Did the custody seals arrive unbroken and intact upon arrival? Y N/A

6. COC#: 027610

7. Were Custody papers filled out properly (ink,signed, etc)? Y N

8. Were custody papers sealed in a plastic bag? Y N

9. Did you sign the COC in the appropriate place? Y N

10. Was the project identifiable from the COC papers? Y N

11. Was enough ice used to chill the cooler? Y N Temp. of cooler: 1.4°

B. Log-In: Date samples were logged in: 10/6/10 By: CP

12. Type of packing in cooler(bubble wrap, popcorn) Y N

13. Were all bottles sealed in separate plastic bags? Y N

14. Did all bottles arrive unbroken and were labels in good condition? Y N

15. Were all bottle labels complete(ID,Date,time,etc.) Y N

16. Did all bottle labels agree with custody papers? Y N

17. Were the correct containers used for the tests indicated: Y N

18. Were samples received at the correct pH? Y N/A

19. Was sufficient amount of sample sent for the tests indicated? Y N

20. Were bubbles absent in VOA samples? Y N/A

If NO, List Sample ID's and Lab #s:

21. Laboratory labeling verified by (initials): mg Date: 10-6-10

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

October 22, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston, MA

RE: Analytical Results Case Narrative
Analytics # 68000
NAS SOWEY Blg. 82
South Weymouth, MA

Dear Mr. Corbett:

Enclosed please find the analytical results for samples collected from the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for VOCs by EPA Method 8260B, Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270C, Total Petroleum Hydrocarbons (TPH) by EPA Method 8015B, PCBs by EPA Methods 8082, Flashpoint by EPA Method 1010, pH by EPA Method 9045, Sulfide reactivity by Chapter 7 Modified Method 7.3.4.2 and Cyanide Reactivity by Chapter 7 Modified Method 7.3.3.2, Total Organic Carbon (TOC), Conductivity and RCRA 8 metals. The TOC, Conductivity and Metals analyses were subcontracted to Test America Laboratories, GA.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level IV package has been assembled in the following order and includes Raw Data:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- Summary Report-Forms 1 thru 8
- VOC Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- VOC Form 2 Surrogate Recoveries
- VOC Form 3 MS/MSD (LCS) Recoveries
- VOC Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
- VOC Form 5 BFB Tune Summaries (equiv.)
- VOC Form 6 Initial Calibration Data (equiv.) Response Factor Report
- VOC Form 7 Continuing Calibration Check (equiv.)
- VOC Form 8 Internal Standard Area and RT Summary
- SVOC Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- SVOC Form 2 Surrogate Recoveries
- SVOC Form 3 MS/MSD (LCS) Recoveries
- SVOC Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
- SVOC Form 5 DFTPP Tune Summaries (equiv.)
- SVOC Form 6 Initial Calibration Data (equiv.) Response Factor Report
- SVOC Form 7 Continuing Calibration Check (equiv.)
- SVOC Form 8 Internal Standard Area and RT Summary

PCB Form 1 Data Sheet for Samples and Blanks with raw data
PCB Form 2 Surrogate Recoveries
PCB Form 3 MS/MSD (LCS) Recoveries with raw data
PCB Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
PCB Form 6 Initial Calibration Data (equiv.) Response Factor Report with raw data
PCB Form 7 Continuing Calibration Check (equiv.) with raw data
PCB Form 8 RT Summary with raw data
TPH Form 1 Data Sheet for Samples and Blanks with raw data
TPH Form 2 Surrogate Recoveries
TPH Form 3 MS/MSD (LCS) Recoveries with raw data
TPH Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
TPH Form 6 Initial Calibration Data (equiv.) Response Factor Report with raw data
TPH Form 7 Continuing Calibration Check (equiv.) with raw data
Inorganic Results
Subcontracted Reports and Narratives
Chain of Custody (COC) Forms and Sample Data Receipt Checklist AEL

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations

Volatile Organic Compounds (VOCs) by EPA 8260B:
This narrative is specific to the list of target analytes requested by the client and reported on the Form 1 data pages. Non-target (NT) analyte deviations were not addressed. The following analytes were not reported below the quantitation limit in this report: Methylene chloride, Acetone, Methyl Iodide, Hexachlorobutadiene, and Naphthalene.

The average Rf for Methyl ethyl ketone was 0.072 for the calibration curve V808100C. The initial calibration verification standard was in control for all analytes except Vinyl Acetate that had recovery of 76%.

The average Rf for Tetrachloroethene and 1,3-Dichlorobenzene were 0.169 and 0.392 respectively for the initial calibration curve (V810180B). The initial calibration verification standard was in control for all analytes.

The continuing calibration standard (file#C76536SC) had an average Rf of 0.071 for Methyl ethyl ketone. In addition Dichlorodifluoromethane had %D greater than 20%. The laboratory control samples (LS101510C/LS101510C2) were in control for all analytes.

The laboratory control sample (L810180B3) was in control for all analytes. The laboratory control sample duplicate (L810180B4) had recoveries outside the laboratory acceptance criteria but within MCP criteria for Vinyl chloride, Chloromethane and Trichlorofluoromethane. Results were reported without qualification.

Semi-Volatile Organic Compounds (SVOCs) by EPA 8270D:
This narrative is specific to target analytes reported on the Form 1 data pages. Non-target (NT) analyte deviations were not addressed.

The laboratory blank (B101210AW) had Bis (2-ethylhexyl) phthalate detected. Samples 68000-2 had Bis(2-ethylhexyl) phthalate detected below the quantitation limit. The results was qualifiaied with a J and B.
The laboratory control samples (L101210AW/LD101210AW) had some analytes with high recoveries (see form 3.) These analytes were not detected in the samples associated with this SDG and results were reported without qualification.

PCBs by EPA Method 8082:
Sample 68000-1 required dilution due to the concentrations of PCBs in the sample.

TPH by EPA Method 8015B:
No results were reported below the laboratory quantitation limits.

If you have any questions or I can be of further assistance, please do not hesitate to contact me.

Sincerely
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

Report Number: 68000

Revision: Rev. 0

Re: NAS SOWEY (Project No: 106-2282)

Enclosed are the results of the analyses on your sample(s). Samples were received on 08 October 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Sample Analysis: The attached pages detail the Client Sample IDs, Lab Sample IDs, and Analyses requested

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 10/25/2010

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

CLIENT: Tetra Tech EC, Inc. **REPORT NUMBER: 68000** **REV: Rev. 0**

PROJECT: NAS SOWEY (Project No: 106-2282)

Lab Number	Sample Date	Station Location	Analysis	Comments
68000-1	10/07/10	WC-B82-GTM-03	EPA 8082 (PCBs only)	
	10/07/10	WC-B82-GTM-03	EPA 8260 Volatile Organics	
	10/07/10	WC-B82-GTM-03	RCRA Metals	
68000-2	10/08/10	WC-B82-GP-01	Cyanide Reactivity	
	10/08/10	WC-B82-GP-01	EPA 1010 Flashpoint	
	10/08/10	WC-B82-GP-01	EPA 8015 - TPH	
	10/08/10	WC-B82-GP-01	EPA 8082 (PCBs only)	
	10/08/10	WC-B82-GP-01	EPA 8260 Volatile Organics	
	10/08/10	WC-B82-GP-01	EPA 8270 Acid/Base Neutrals	
	10/08/10	WC-B82-GP-01	RCRA Metals	
	10/08/10	WC-B82-GP-01	Specific Conductance	
	10/08/10	WC-B82-GP-01	Sulfide Reactivity	
	10/08/10	WC-B82-GP-01	SW-846 9040 pH in Water	
	10/08/10	WC-B82-GP-01	Total Organic Carbon in Aqueous Matrices	
68000-3	10/08/10	Trip Blank	EPA 8260 Volatile Organics	
68000-4	10/08/10	Trip Blank	Electronic Data Deliverable	
	10/08/10	Trip Blank	EPA 8260 Volatile Organics	

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 68000

Project Location: NAS SOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

68000-1, 68000-2, 68000-2 RX, 68000-3, 68000-4

Matrices: ☐ Groundwater/Surface Water ☐ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 22, 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 68000

Project Location: NAS SOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

68000-1, 68000-2, 68000-2 RX, 68000-3, 68000-4

Matrices: ☒ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☒	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 22, 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 68000

Project Location: NAS SOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

68000-1, 68000-2, 68000-2 RX, 68000-3, 68000-4

Matrices: ☐ Groundwater/Surface Water ☐ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☒	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 22, 2010

Summary Report

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: MB10150C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	91	%	d8-Toluene	98	%	Bromofluorobenzen	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: B810180B
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Dichlorodifluoromethane	1	U	1,1,2-Trichloroethane	1	U
Chloromethane	1	U	1,3-Dichloropropane	1	U
Vinyl Chloride	1	U	Tetrachloroethene	1	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	1	U	Dibromochloromethane	1	U
Trichlorofluoromethane	1	U	1,2-Dibromoethane	1	U
1,1-Dichloroethene	1	U	Chlorobenzene	1	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	1	U
Methyl iodide	1	U	Ethylbenzene	1	U
Carbon Disulfide	1	U	o-Xylene	1	U
Methylene Chloride	5	U	m,p-Xylene	1	U
trans-1,2-Dichloroethene	1	U	Styrene	1	U
Methyl-tert-butyl ether (MTBE)	1	U	Bromoform	1	U
1,1-Dichloroethane	1	U	Isopropylbenzene	1	U
Vinyl acetate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl ethyl ketone	10	U	Bromobenzene	1	U
cis-1,2-Dichloroethene	1	U	1,2,3-Trichloropropane	1	U
2,2-Dichloropropane	1	U	n-Propylbenzene	1	U
Bromochloromethane	1	U	2-Chlorotoluene	1	U
Chloroform	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	tert-butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	sec-butylbenzene	1	U
Benzene	1	U	p-isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
cis-1,3-Dichloropropene	1	U	1,2-Dibromo-3-chloropropane	1	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	1	U
Toluene	1	U	Hexachlorobutadiene	1	U
trans-1,3-Dichloropropene	1	U	Naphthalene	1	U
			1,2,3-Trichlorobenzene	1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	100 %	d8-Toluene	101 %	Bromofluorobenzen	100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 68000-1
Matrix: Solid
Percent Solid: 87
Dilution Factor: 152
Collection Date: 10/07/10
Lab Receipt Date: 10/08/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	152	U	1,1,2-Trichloroethane	114	U
Chloromethane	152	U	1,3-Dichloropropane	152	U
Vinyl Chloride	152	U	Tetrachloroethene	152	U
Bromomethane	152	U	2-Hexanone	1520	U
Chloroethane	152	U	Dibromochloromethane	114	U
Trichlorofluoromethane	152	U	1,2-Dibromoethane	114	U
1,1-Dichloroethene	114	U	Chlorobenzene	152	U
Acetone	1520	U	1,1,1,2-Tetrachloroethane	152	U
Methyl iodide	152	U	Ethylbenzene	152	U
Carbon Disulfide	152	U	o-Xylene	152	U
Methylene Chloride	761	U	m,p-Xylene	152	U
trans-1,2-Dichloroethene	152	U	Styrene	152	U
Methyl-tert-butyl ether (MTBE)	114	U	Bromoform	114	U
1,1-Dichloroethane	152	U	Isopropylbenzene	152	U
Vinyl acetate	1140	U	1,1,2,2-Tetrachloroethane	114	U
Methyl ethyl ketone	1520	U	Bromobenzene	152	U
cis-1,2-Dichloroethene	152	U	1,2,3-Trichloropropane	152	U
2,2-Dichloropropane	152	U	n-Propylbenzene	152	U
Bromochloromethane	152	U	2-Chlorotoluene	152	U
Chloroform	114	U	1,3,5-Trimethylbenzene	152	U
1,1,1-Trichloroethane	152	**109 J**	4-Chlorotoluene	152	U
1,1-Dichloropropene	152	U	tert-butylbenzene	152	U
Carbon Tetrachloride	152	U	1,2,4-Trimethylbenzene	152	U
1,2-Dichloroethane	114	U	sec-butylbenzene	152	U
Benzene	152	U	p-isopropyltoluene	152	U
Trichloroethene	152	U	1,3-Dichlorobenzene	152	U
1,2-Dichloropropane	114	U	1,4-Dichlorobenzene	152	U
Dibromomethane	152	U	n-butylbenzene	152	U
Bromodichloromethane	114	U	1,2-Dichlorobenzene	152	U
cis-1,3-Dichloropropene	152	U	1,2-Dibromo-3-chloropropane	152	U
Methyl isobutyl ketone	1520	U	1,2,4-Trichlorobenzene	152	U
Toluene	152	U	Hexachlorobutadiene	152	U
trans-1,3-Dichloropropene	152	U	Naphthalene	152	**90 J**
			1,2,3-Trichlorobenzene	152	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	96 %	d8-Toluene	104 %	Bromofluorobenzen	104 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 68000-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 10/08/10
Lab Receipt Date: 10/08/10
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GP-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Dichlorodifluoromethane	1	U	1,1,2-Trichloroethane	1	U
Chloromethane	1	U	1,3-Dichloropropane	1	U
Vinyl Chloride	1	U	Tetrachloroethene	1	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	1	U	Dibromochloromethane	1	U
Trichlorofluoromethane	1	U	1,2-Dibromoethane	1	U
1,1-Dichloroethene	1	U	Chlorobenzene	1	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	1	U
Methyl iodide	1	U	Ethylbenzene	1	U
Carbon Disulfide	1	U	o-Xylene	1	U
Methylene Chloride	5	U	m,p-Xylene	1	U
trans-1,2-Dichloroethene	1	U	Styrene	1	U
Methyl-tert-butyl ether (MTBE)	1	U	Bromoform	1	U
1,1-Dichloroethane	1	U	Isopropylbenzene	1	U
Vinyl acetate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl ethyl ketone	10	U	Bromobenzene	1	U
cis-1,2-Dichloroethene	1	U	1,2,3-Trichloropropane	1	U
2,2-Dichloropropane	1	U	n-Propylbenzene	1	U
Bromochloromethane	1	U	2-Chlorotoluene	1	U
Chloroform	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	tert-butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	sec-butylbenzene	1	U
Benzene	1	U	p-isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
cis-1,3-Dichloropropene	1	U	1,2-Dibromo-3-chloropropane	1	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	1	U
Toluene	1	U	Hexachlorobutadiene	1	U
trans-1,3-Dichloropropene	1	U	Naphthalene	1	U
			1,2,3-Trichlorobenzene	1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	104	%	d8-Toluene	100	%	Bromofluorobenzen	100	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 68000-3
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 10/08/10
Lab Receipt Date: 10/08/10
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Dichlorodifluoromethane	1	U	1,1,2-Trichloroethane	1	U
Chloromethane	1	U	1,3-Dichloropropane	1	U
Vinyl Chloride	1	U	Tetrachloroethene	1	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	1	U	Dibromochloromethane	1	U
Trichlorofluoromethane	1	U	1,2-Dibromoethane	1	U
1,1-Dichloroethene	1	U	Chlorobenzene	1	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	1	U
Methyl iodide	1	U	Ethylbenzene	1	U
Carbon Disulfide	1	U	o-Xylene	1	U
Methylene Chloride	5	U	m,p-Xylene	1	U
trans-1,2-Dichloroethene	1	U	Styrene	1	U
Methyl-tert-butyl ether (MTBE)	1	U	Bromoform	1	U
1,1-Dichloroethane	1	U	Isopropylbenzene	1	U
Vinyl acetate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl ethyl ketone	10	U	Bromobenzene	1	U
cis-1,2-Dichloroethene	1	U	1,2,3-Trichloropropane	1	U
2,2-Dichloropropane	1	U	n-Propylbenzene	1	U
Bromochloromethane	1	U	2-Chlorotoluene	1	U
Chloroform	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	tert-butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	sec-butylbenzene	1	U
Benzene	1	U	p-isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
cis-1,3-Dichloropropene	1	U	1,2-Dibromo-3-chloropropane	1	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	1	U
Toluene	1	U	Hexachlorobutadiene	1	U
trans-1,3-Dichloropropene	1	U	Naphthalene	1	U
			1,2,3-Trichlorobenzene	1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane 103 % d8-Toluene 99 % Bromofluorobenzen 100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 68000-4
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: 10/08/10
Lab Receipt Date: 10/08/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane 100 % d8-Toluene 105 % Bromofluorobenzen 106 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: B101210AW RR
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/12/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/L	Result µg/L	COMPOUND	Detection Limit µg/L	Result µg/L
Acenaphthene	2	U	2,4-dinitrophenol	5	U
Acenaphthylene	2	U	2,4-Dinitrotoluene	2	U
Anthracene	2	U	2,6-Dinitrotoluene	2	U
Benzo[a]anthracene	2	U	di-n-octyl-phthalate	2	U
Benzo[b] fluoranthene	2	U	Fluoranthene	2	U
Benzo[k] fluoranthene	2	U	Fluorene	2	U
Benzo(g,h,i) perylene	2	U	Hexachlorobenzene	2	U
Benzo[a] pyrene	2	U	Hexachlorobutadiene	2	U
Bis(2-chloroethoxy)methane	2	U	Hexachloroethane	2	U
bis(2-chloroethyl) ether	2	U	Indeno [1,2,3-cd] pyrene	2	U
bis(2-chloroisopropyl)ether	2	U	Isophorone	2	U
Bis (2-ethylhexyl) phthalate	2	7	2-Methylnaphthalene	2	U
4-bromophenyl phenyl ether	2	U	2-Methylphenol	5	U
Butyl benzyl phthalate	2	U	3+4-Methylphenol	5	U
4-Chloroaniline	2	U	Naphthalene	2	U
2-Chloronaphthalene	2	U	Nitrobenzene	2	U
2-Chlorophenol	5	U	2-Nitrophenol	5	U
Chrysene	2	U	4-Nitrophenol	5	U
Dibenz [a,h] anthracene	2	U	Pentachlorophenol	10	U
Dibenzofuran	2	U	Phenanthrene	2	U
Di-n-butyl phthalate	2	U	Phenol	5	U
1,2-Dichlorobenzene	2	U	Pyrene	2	U
1,3-Dichlorobenzene	2	U	1,2,4-Trichlorobenzene	2	U
1,4-Dichlorobenzene	2	U	2,4,5-Trichlorophenol	5	U
3,3'-Dichlorobenzidine	20	U	2,4,6-Trichlorophenol	5	U
2,4-Dichlorophenol	5	U	Acetophenone	5	U
Diethyl Phthalate	2	U	Azobenzene	2	U
2,4-Dimethylphenol	5	U			
Dimethyl Phthalate	2	U			
Aniline	2	U			

Surrogate Standard Recovery

2-Fluorophenol	51	%	d5-Phenol	38	%	d5-nitrobenzene	79	%
2-Fluorobiphenyl	84	%	2,4,6-Tribromophenol	92	%	d14-p-terphenyl	84	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS:

8270 MCP(63)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 68000-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 10/08/10
Lab Receipt Date: 10/08/10
Extraction Date: 10/12/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GP-01

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/L	Result µg/L	COMPOUND	Detection Limit µg/L	Result µg/L
Acenaphthene	2	U	2,4-dinitrophenol	5	U
Acenaphthylene	2	U	2,4-Dinitrotoluene	2	U
Anthracene	2	U	2,6-Dinitrotoluene	2	U
Benzo[a]anthracene	2	U	di-n-octyl-phthalate	2	U
Benzo[b] fluoranthene	2	U	Fluoranthene	2	U
Benzo[k] fluoranthene	2	U	Fluorene	2	U
Benzo(g,h,i) perylene	2	U	Hexachlorobenzene	2	U
Benzo[a] pyrene	2	U	Hexachlorobutadiene	2	U
Bis(2-chloroethoxy)methane	2	U	Hexachloroethane	2	U
bis(2-chloroethyl) ether	2	U	Indeno [1,2,3-cd] pyrene	2	U
bis(2-chloroisopropyl)ether	2	U	Isophorone	2	U
Bis (2-ethylhexyl) phthalate	2	**1 JB**	2-Methylnaphthalene	2	U
4-bromophenyl phenyl ether	2	U	2-Methylphenol	5	U
Butyl benzyl phthalate	2	U	3+4-Methylphenol	5	U
4-Chloroaniline	2	U	Naphthalene	2	U
2-Chloronaphthalene	2	U	Nitrobenzene	2	U
2-Chlorophenol	5	U	2-Nitrophenol	5	U
Chrysene	2	U	4-Nitrophenol	5	U
Dibenz [a,h] anthracene	2	U	Pentachlorophenol	10	U
Dibenzofuran	2	U	Phenanthrene	2	U
Di-n-butyl phthalate	2	U	Phenol	5	U
1,2-Dichlorobenzene	2	U	Pyrene	2	U
1,3-Dichlorobenzene	2	U	1,2,4-Trichlorobenzene	2	U
1,4-Dichlorobenzene	2	U	2,4,5-Trichlorophenol	5	U
3,3'-Dichlorobenzidine	20	U	2,4,6-Trichlorophenol	5	U
2,4-Dichlorophenol	5	U	Acetophenone	5	U
Diethyl Phthalate	2	U	Azobenzene	2	U
2,4-Dimethylphenol	5	U			
Dimethyl Phthalate	2	U			
Aniline	2	U			

Surrogate Standard Recovery

2-Fluorophenol	32	%	d5-Phenol	31	%	d5-nitrobenzene	74	%
2-Fluorobiphenyl	80	%	2,4,6-Tribromophenol	54	%	d14-p-terphenyl	70	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS:

8270 MCP(63)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 22, 2010

SAMPLE DATA

Lab Sample ID: B100810PW
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/08/10
Analysis Date: 10/12/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U
PCB-1262	0.2	U
PCB-1268	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	94	%
Decachlorobiphenyl	63	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB EXT Report

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 22, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: Lab QC

Lab Sample ID: B100810PW
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/08/10
Analysis Date: 10/12/10

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U
PCB-1262	0.2	U
PCB-1268	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	100	%
Decachlorobiphenyl	67	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB EXT Report

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: B101210PSOX2 RR2
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/12/10
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U
PCB-1262	33	U
PCB-1268	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	106	%
Decachlorobiphenyl	68	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID:	68000-1
Matrix:	Solid
Percent Solid:	87
Dilution Factor:	11
Collection Date:	10/07/10
Lab Receipt Date:	10/08/10
Extraction Date:	10/12/10
Analysis Date:	10/18/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GTM-03

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	360	U
PCB-1221	360	U
PCB-1232	360	U
PCB-1242	360	U
PCB-1248	360	U
PCB-1254	360	U
PCB-1260	360	**5770**
PCB-1262	360	U
PCB-1268	360	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	85	%
Decachlorobiphenyl	75	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 14, 2010

SAMPLE DATA

Lab Sample ID:	68000-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	10/08/10
Lab Receipt Date:	10/08/10
Extraction Date:	10/08/10
Analysis Date:	10/12/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GP-01

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U
PCB-1262	0.2	U
PCB-1268	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	94	%
Decachlorobiphenyl	49	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB EXT Report

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 22, 2010

SAMPLE DATA

Lab Sample ID:	B101510DW
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1
Collection Date:	N/A
Lab Receipt Date:	N/A
Extraction Date:	10/15/10
Analysis Date:	10/18/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	LABQC

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl 72 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS:
TPH layout

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID:	68000-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	10/08/10
Lab Receipt Date:	10/08/10
Extraction Date:	10/15/10
Analysis Date:	10/18/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GP-01

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
151	μg/L	50

Surrogate Standard Recovery

m-Terphenyl	83	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Quantitation performed based on a No. 2 Fuel/Diesel Oil standard.

TPH layout

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-GP-01

SAMPLE DATA

Lab Sample ID: 68000-2
Matrix: Aqueous
Percent Solid N/A
Collection Date: 10/08/10 13:45
Lab Receipt Date: 10/08/10

Parameter	Result	Date Analyzed		Detection Limit	Units
pH	**7.9**	10/08/10	20:22	NA	pH units
Flashpoint	>165	10/14/10		NA	° Fahrenheit
Sulfide Reactivity	U	10/14/10		10	mg/L
Cyanide Reactivity	U	10/14/10		10	mg/L

U = Undetected NA = Not Applicable <=Less than >=Greater than

METHODOLOGY: pH: Sample analyzed according to "EPA SW 846 Method 9040 pH in water"
FlashPoint: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."
Reacitivty: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS:

Authorized signature

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-62145-1

SDG Number: 68000

Job Description: 106-2282 NAS SOWEY

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
10/28/2010 7:36 AM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
10/28/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SAV	SW846 7471B	
Preparation, Mercury	TAL SAV		SW846 7471B
Matrix Water			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Total Metals	TAL SAV		SW846 3010A
Mercury (CVAA)	TAL SAV	SW846 7470A	
Preparation, Mercury	TAL SAV		SW846 7470A
Organic Carbon, Total (TOC)	TAL SAV	SW846 9060A	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method	Analyst	Analyst ID
SW846 6010C	Bland, Brian	BCB
SW846 7470A	Eaton, Cliff	CE
SW846 7471B	Eaton, Cliff	CE
SW846 9060A	Blackshear, Kim	KB

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-62145-1	WC-B82-GTM-05	Solid	10/07/2010 1600	10/13/2010 1040
680-62145-2	WC-B82-GP-01	Water	10/08/2010 1345	10/13/2010 1040

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Client Sample ID: WC-B82-GTM-05

Lab Sample ID: 680-62145-1
Client Matrix: Solid
% Moisture: 18.3

Date Sampled: 10/07/2010 1600
Date Received: 10/13/2010 1040

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-183386		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-183043		Lab File ID:	101810.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	10/19/2010 0518			Final Weight/Volume:	100 mL
Date Prepared:	10/15/2010 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		3.1		0.70	2.4
Barium		170	J	0.36	1.2
Cadmium		19	J	0.12	0.59
Chromium		390	J	0.59	1.2
Silver		6.7	J	0.11	1.2
Lead		1100	J	0.63	1.2
Selenium		1.2	U	1.2	3.0

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-183477		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-183262		Lab File ID:	b101910.chr
Dilution:	5.0			Initial Weight/Volume:	0.51 g
Date Analyzed:	10/20/2010 0830			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2010 1618				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.78	B J	0.049	0.12

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Client Sample ID: **WC-B82-GP-01**

Lab Sample ID: 680-62145-2
Client Matrix: Water

Date Sampled: 10/08/2010 1345
Date Received: 10/13/2010 1040

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-183386		Instrument ID:	ICPD
Preparation:	3010A	Prep Batch: 680-183096		Lab File ID:	101810.chr
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/19/2010 0124			Final Weight/Volume:	50 mL
Date Prepared:	10/15/2010 1340				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	4.6	U	4.6	20
Barium	43		2.3	10
Cadmium	2.0	U	2.0	5.0
Chromium	21		1.2	10
Silver	0.89	U	0.89	10
Lead	26		4.0	10
Selenium	6.4	U	6.4	20

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-182968		Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-182934		Lab File ID:	b101410.chr
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/14/2010 1821			Final Weight/Volume:	50 mL
Date Prepared:	10/14/2010 1155				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.091	U	0.091	0.20

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

General Chemistry

Client Sample ID: **WC-B82-GP-01**

Lab Sample ID: 680-62145-2
Client Matrix: Water

Date Sampled: 10/08/2010 1345
Date Received: 10/13/2010 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	3.1		mg/L	0.50	1.0	1.0	9060A

Analysis Batch: 680-183618 Date Analyzed: 10/20/2010 1241

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Lab Section	Qualifier	Description
Metals		
	B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	U	Undetected at the Limit of Detection.
General Chemistry		
	U	Undetected at the Limit of Detection.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method Blank - Batch: 680-183043

Method: 6010C
Preparation: 3050B

Lab Sample ID: MB 680-183043/13-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/19/2010 1315
Date Prepared: 10/15/2010 0947

Analysis Batch: 680-183386
Prep Batch: 680-183043
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 101810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.59	U	0.59	2.0
Barium	0.30	U	0.30	1.0
Cadmium	0.10	U	0.10	0.50
Chromium	0.50	U	0.50	1.0
Silver	0.096	U	0.096	1.0
Lead	0.53	U	0.53	1.0
Selenium	1.0	U	1.0	2.5

Lab Control Sample - Batch: 680-183043

Method: 6010C
Preparation: 3050B

Lab Sample ID: LCS 680-183043/15-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/19/2010 0513
Date Prepared: 10/15/2010 0947

Analysis Batch: 680-183386
Prep Batch: 680-183043
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 101810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	210	105	75 - 125	
Barium	200	214	107	75 - 125	
Cadmium	5.00	5.28	106	75 - 125	
Chromium	20.0	21.5	107	75 - 125	
Silver	5.00	4.69	94	75 - 125	
Lead	50.0	53.7	107	75 - 125	
Selenium	200	209	105	75 - 125	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Matrix Spike - Batch: 680-183043

Method: 6010C
Preparation: 3050B

Lab Sample ID:	680-62145-1	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-183043	Lab File ID:	101810.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.03 g
Date Analyzed:	10/19/2010 0534			Final Weight/Volume:	100 mL
Date Prepared:	10/15/2010 0947				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Lead	1100	59.4	1350	463	75 - 125	4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183043

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-62145-1	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-183043	Lab File ID:	101810.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	10/19/2010 0534			Final Weight/Volume:	100 mL
Date Prepared:	10/15/2010 0947				

MSD Lab Sample ID:	680-62145-1	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-183043	Lab File ID:	101810.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	10/19/2010 0539			Final Weight/Volume:	100 mL
Date Prepared:	10/15/2010 0947				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	97	104	75 - 125	7	20		
Barium	108	134	75 - 125	14	20		J
Cadmium	-0.3	154	75 - 125	39	20	J	J
Chromium	2556	1034	75 - 125	44	20	4	4 J
Silver	64	127	75 - 125	30	20	J	J
Selenium	96	102	75 - 125	6	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method Blank - Batch: 680-183096

Method: 6010C
Preparation: 3010A

Lab Sample ID:	MB 680-183096/21-A	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Water	Prep Batch:	680-183096	Lab File ID:	101810.chr
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	10/18/2010 2321			Final Weight/Volume:	50 mL
Date Prepared:	10/15/2010 1340				

Analyte	Result	Qual	MDL	RL
Arsenic	4.6	U	4.6	20
Barium	2.3	U	2.3	10
Cadmium	2.0	U	2.0	5.0
Chromium	1.2	U	1.2	10
Silver	0.89	U	0.89	10
Lead	4.0	U	4.0	10
Selenium	6.4	U	6.4	20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-183096

Method: 6010C
Preparation: 3010A

LCS Lab Sample ID:	LCS 680-183096/22-A	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Water	Prep Batch:	680-183096	Lab File ID:	101810.chr
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	10/18/2010 2327			Final Weight/Volume:	50 mL
Date Prepared:	10/15/2010 1340				

LCSD Lab Sample ID:	LCSD 680-183096/23-A	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Water	Prep Batch:	680-183096	Lab File ID:	101810.chr
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	10/18/2010 2332			Final Weight/Volume:	50 mL
Date Prepared:	10/15/2010 1340				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Arsenic	100	102	75 - 125	2	20		
Barium	101	102	75 - 125	2	20		
Cadmium	101	102	75 - 125	1	20		
Chromium	101	103	75 - 125	2	20		
Silver	88	89	75 - 125	1	20		
Lead	101	102	75 - 125	1	20		
Selenium	100	102	75 - 125	1	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183096

Method: 6010C
Preparation: 3010A

MS Lab Sample ID:	680-62103-G-1-C MS	Analysis Batch: 680-183386	Instrument ID: ICPD
Client Matrix:	Water	Prep Batch: 680-183096	Lab File ID: 101810.chr
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	10/19/2010 0232		Final Weight/Volume: 50 mL
Date Prepared:	10/15/2010 1340		

MSD Lab Sample ID:	680-62103-G-1-D MSD	Analysis Batch: 680-183386	Instrument ID: ICPD
Client Matrix:	Water	Prep Batch: 680-183096	Lab File ID: 101810.chr
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	10/19/2010 0237		Final Weight/Volume: 50 mL
Date Prepared:	10/15/2010 1343		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	102	108	75 - 125	6	20		
Barium	100	105	75 - 125	5	20		
Cadmium	99	104	75 - 125	5	20		
Chromium	101	106	75 - 125	5	20		
Silver	86	91	75 - 125	5	20		
Lead	99	105	75 - 125	6	20		
Selenium	100	106	75 - 125	6	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method Blank - Batch: 680-182934

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 680-182934/1-A	Analysis Batch:	680-182968	Instrument ID:	LEEMAN1
Client Matrix:	Water	Prep Batch:	680-182934	Lab File ID:	b101410.chr
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	10/14/2010 1757			Final Weight/Volume:	50 mL
Date Prepared:	10/14/2010 1155				

Analyte	Result	Qual	MDL	RL
Mercury	0.091	U	0.091	0.20

Lab Control Sample - Batch: 680-182934

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 680-182934/2-A	Analysis Batch:	680-182968	Instrument ID:	LEEMAN1
Client Matrix:	Water	Prep Batch:	680-182934	Lab File ID:	b101410.chr
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	10/14/2010 1800			Final Weight/Volume:	50 mL
Date Prepared:	10/14/2010 1155				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.50	2.29	92	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-182934

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	680-62145-2	Analysis Batch:	680-182968	Instrument ID:	LEEMAN1
Client Matrix:	Water	Prep Batch:	680-182934	Lab File ID:	b101410.chr
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/14/2010 1830			Final Weight/Volume:	50 mL
Date Prepared:	10/14/2010 1155				

MSD Lab Sample ID:	680-62145-2	Analysis Batch:	680-182968	Instrument ID:	LEEMAN1
Client Matrix:	Water	Prep Batch:	680-182934	Lab File ID:	b101410.chr
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/14/2010 1833			Final Weight/Volume:	50 mL
Date Prepared:	10/14/2010 1155				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	88	93	80 - 120	5	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method Blank - Batch: 680-183262

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 680-183262/1-A	Analysis Batch:	680-183477	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-183262	Lab File ID:	b101910.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.54 g
Date Analyzed:	10/20/2010 0828			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2010 1618				

Analyte	Result	Qual	MDL	RL
Mercury	0.0246		0.0076	0.019

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-183262

Method: 7471B
Preparation: 7471B

LCS Lab Sample ID:	LCS 680-183262/2-A	Analysis Batch:	680-183477	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-183262	Lab File ID:	b101910.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.55 g
Date Analyzed:	10/19/2010 1720			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2010 1618				

LCSD Lab Sample ID:	LCSD 680-183262/25-A	Analysis Batch:	680-183477	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-183262	Lab File ID:	b101910.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.50 g
Date Analyzed:	10/19/2010 1724			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2010 1711				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	101	103	80 - 120	12	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183262

Method: 7471B
Preparation: 7471B

MS Lab Sample ID:	680-62145-1	Analysis Batch:	680-183477	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-183262	Lab File ID:	b101910.chr
Dilution:	5.0			Initial Weight/Volume:	0.55 g
Date Analyzed:	10/20/2010 0833			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2010 1618				

MSD Lab Sample ID:	680-62145-1	Analysis Batch:	680-183477	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-183262	Lab File ID:	b101910.chr
Dilution:	5.0			Initial Weight/Volume:	0.53 g
Date Analyzed:	10/20/2010 0836			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2010 1618				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	133	271	80 - 120	16	20	4	4

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method Blank - Batch: 680-183618

Method: 9060A
Preparation: N/A

Lab Sample ID: MB 680-183618/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1152
Date Prepared: N/A

Analysis Batch: 680-183618
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: TOC102010.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	0.50	U	0.50	1.0

Lab Control Sample - Batch: 680-183618

Method: 9060A
Preparation: N/A

Lab Sample ID: LCS 680-183618/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1225
Date Prepared: N/A

Analysis Batch: 680-183618
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: TOC102010.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	20.0	19.0	95	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183618

Method: 9060A
Preparation: N/A

MS Lab Sample ID: 680-62308-E-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1742
Date Prepared: N/A

Analysis Batch: 680-183618
Prep Batch: N/A

Instrument ID: TOC3
Lab File ID: TOC102010.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 680-62308-E-1 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1757
Date Prepared: N/A

Analysis Batch: 680-183618
Prep Batch: N/A

Instrument ID: TOC3
Lab File ID: TOC102010.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon	98	97	80 - 120	2	25		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Duplicate - Batch: 680-183618

Method: 9060A
Preparation: N/A

Lab Sample ID: 680-62297-B-5 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1705
Date Prepared: N/A

Analysis Batch: 680-183618
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: TOC102010.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	45	44.3	1	25	

Chain Of Custody Form

TA-GA

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 1.3
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: 106-2282 Proj. Name: NAS SOWEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 68000 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
WC-B82-GTM-05	10/7/10	1600	RCRA 8 Metals		X						S	1	g		68000-1
⊥	⊥	⊥	TCLP RCRA 8 - Hold		X						S	1	g		
WC-B82-GP-01	10/8/10	1345	RCRA 8 Metals			X					GW	1	pl		-2
⊥	⊥	⊥	TCLP RCRA 8 - Hold		X						⊥	1	pl		
			TOC				X					2	g		

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒
*Fee may apply; lab approval required

Comments / Instructions:
Please reference Station ID number and AEL Lab number on report(s).

Method Type: (RCRA) NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☒ DOD* ☒ Level IV*
☐ Standard

State:
☐ NH
☒ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)

EDD Required: (Y*) N
Type: TTEC EDD

	Received By:	Date:	Time:
Relinquished By Sampler:	Relinquished By: Lisa Trittel	Date: 10/12/10	Time: 1608
Relinquished By:	Relinquished By:	Date: 10.13.10	Time: 1040
Received By:	Received By:	Date:	Time:

Analytics\AEL Documents\AEL COC

Page 1 of 1

680-62145

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

October 22, 2010

Mr. Brian Corbett
Tetra Tech EC, Inc.
133 Federal Street, 6th Floor
Boston, MA

RE: Analytical Results Case Narrative
Analytics # 68000
NAS SOWEY Blg. 82
South Weymouth, MA

Dear Mr. Corbett:

Enclosed please find the analytical results for samples collected from the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for VOCs by EPA Method 8260B, Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270C, Total Petroleum Hydrocarbons (TPH) by EPA Method 8015B, PCBs by EPA Methods 8082, Flashpoint by EPA Method 1010, pH by EPA Method 9045, Sulfide reactivity by Chapter 7 Modified Method 7.3.4.2 and Cyanide Reactivity by Chapter 7 Modified Method 7.3.3.2, Total Organic Carbon (TOC), Conductivity and RCRA 8 metals. The TOC, Conductivity and Metals analyses were subcontracted to Test America Laboratories, GA.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level IV package has been assembled in the following order and includes Raw Data:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- Summary Report-Forms 1 thru 8
- VOC Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- VOC Form 2 Surrogate Recoveries
- VOC Form 3 MS/MSD (LCS) Recoveries
- VOC Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
- VOC Form 5 BFB Tune Summaries (equiv.)
- VOC Form 6 Initial Calibration Data (equiv.) Response Factor Report
- VOC Form 7 Continuing Calibration Check (equiv.)
- VOC Form 8 Internal Standard Area and RT Summary
- SVOC Form 1 Data Sheet for Samples and Blanks
  - Chromatograms
- SVOC Form 2 Surrogate Recoveries
- SVOC Form 3 MS/MSD (LCS) Recoveries
- SVOC Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
- SVOC Form 5 DFTPP Tune Summaries (equiv.)
- SVOC Form 6 Initial Calibration Data (equiv.) Response Factor Report
- SVOC Form 7 Continuing Calibration Check (equiv.)
- SVOC Form 8 Internal Standard Area and RT Summary

PCB Form 1 Data Sheet for Samples and Blanks with raw data
PCB Form 2 Surrogate Recoveries
PCB Form 3 MS/MSD (LCS) Recoveries with raw data
PCB Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
PCB Form 6 Initial Calibration Data (equiv.) Response Factor Report with raw data
PCB Form 7 Continuing Calibration Check (equiv.) with raw data
PCB Form 8 RT Summary with raw data
TPH Form 1 Data Sheet for Samples and Blanks with raw data
TPH Form 2 Surrogate Recoveries
TPH Form 3 MS/MSD (LCS) Recoveries with raw data
TPH Form 4 Method Blank Summary (equiv.) GC/MS Logbook Sheets
TPH Form 6 Initial Calibration Data (equiv.) Response Factor Report with raw data
TPH Form 7 Continuing Calibration Check (equiv.) with raw data
Inorganic Results
Subcontracted Reports and Narratives
Chain of Custody (COC) Forms and Sample Data Receipt Checklist AEL

QC NON CONFORMANCE SUMMARY

Sample Receipt:
No QC deviations

Volatile Organic Compounds (VOCs) by EPA 8260B:
This narrative is specific to the list of target analytes requested by the client and reported on the Form 1 data pages. Non-target (NT) analyte deviations were not addressed. The following analytes were not reported below the quantitation limit in this report: Methylene chloride, Acetone, Methyl Iodide, Hexachlorobutadiene, and Naphthalene.

The average Rf for Methyl ethyl ketone was 0.072 for the calibration curve V808100C. The initial calibration verification standard was in control for all analytes except Vinyl Acetate that had recovery of 76%.

The average Rf for Tetrachloroethene and 1,3-Dichlorobenzene were 0.169 and 0.392 respectively for the initial calibration curve (V810180B). The initial calibration verification standard was in control for all analytes.

The continuing calibration standard (file#C76536SC) had an average Rf of 0.071 for Methyl ethyl ketone. In addition Dichlorodifluoromethane had %D greater than 20%. The laboratory control samples (LS101510C/LS101510C2) were in control for all analytes.

The laboratory control sample (L810180B3) was in control for all analytes. The laboratory control sample duplicate (L810180B4) had recoveries outside the laboratory acceptance criteria but within MCP criteria for Vinyl chloride, Chloromethane and Trichlorofluoromethane. Results were reported without qualification.

Semi-Volatile Organic Compounds (SVOCs) by EPA 8270D:
This narrative is specific to target analytes reported on the Form 1 data pages. Non-target (NT) analyte deviations were not addressed.

The laboratory blank (B101210AW) had Bis (2-ethylhexyl) phthalate detected. Samples 68000-2 had Bis(2-ethylhexyl) phthalate detected below the quantitation limit. The results was qualifiaied with a J and B.
The laboratory control samples (L101210AW/LD101210AW) had some analytes with high recoveries (see form 3.) These analytes were not detected in the samples associated with this SDG and results were reported without qualification.

PCBs by EPA Method 8082:
Sample 68000-1 required dilution due to the concentrations of PCBs in the sample.

TPH by EPA Method 8015B:
No results were reported below the laboratory quantitation limits.

If you have any questions or I can be of further assistance, please do not hesitate to contact me.

Sincerely
ANALYTICS Environmental Laboratory, LLC

Stephen L. Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

Report Number: 68000

Revision: Rev. 0

Re: NAS SOWEY (Project No: 106-2282)

Enclosed are the results of the analyses on your sample(s). Samples were received on 08 October 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Sample Analysis: The attached pages detail the Client Sample IDs, Lab Sample IDs, and Analyses requested

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 10/25/2010

This report shall not be reproduced, except in full, without the written consent of Analytics Environmental Laboratory, LLC.

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

CLIENT: Tetra Tech EC, Inc. **REPORT NUMBER: 68000** **REV: Rev. 0**

PROJECT: NAS SOWEY (Project No: 106-2282)

Lab Number	Sample Date	Station Location	Analysis	Comments
68000-1	10/07/10	WC-B82-GTM-03	EPA 8082 (PCBs only)	
	10/07/10	WC-B82-GTM-03	EPA 8260 Volatile Organics	
	10/07/10	WC-B82-GTM-03	RCRA Metals	
68000-2	10/08/10	WC-B82-GP-01	Cyanide Reactivity	
	10/08/10	WC-B82-GP-01	EPA 1010 Flashpoint	
	10/08/10	WC-B82-GP-01	EPA 8015 - TPH	
	10/08/10	WC-B82-GP-01	EPA 8082 (PCBs only)	
	10/08/10	WC-B82-GP-01	EPA 8260 Volatile Organics	
	10/08/10	WC-B82-GP-01	EPA 8270 Acid/Base Neutrals	
	10/08/10	WC-B82-GP-01	RCRA Metals	
	10/08/10	WC-B82-GP-01	Specific Conductance	
	10/08/10	WC-B82-GP-01	Sulfide Reactivity	
	10/08/10	WC-B82-GP-01	SW-846 9040 pH in Water	
	10/08/10	WC-B82-GP-01	Total Organic Carbon in Aqueous Matrices	
68000-3	10/08/10	Trip Blank	EPA 8260 Volatile Organics	
68000-4	10/08/10	Trip Blank	Electronic Data Deliverable	
	10/08/10	Trip Blank	EPA 8260 Volatile Organics	

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 68000

Project Location: NAS SOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

68000-1, 68000-2, 68000-2 RX, 68000-3, 68000-4

Matrices: ☐ Groundwater/Surface Water ☐ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 22, 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 68000

Project Location: NAS SOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

68000-1, 68000-2, 68000-2 RX, 68000-3, 68000-4

Matrices: ☒ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☒	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 22, 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

MassDEP Analytical Protocol Certification Form

Laboratory Name: Analytics Environmental Laboratory, LLC Project #: 68000

Project Location: NAS SOWEY RTN:

This Form provides certifications for the following data set. Laboratory Sample ID Number(s):

68000-1, 68000-2, 68000-2 RX, 68000-3, 68000-4

Matrices: ☐ Groundwater/Surface Water ☐ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☒	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☐	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition conistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

Data User Note: Data that achieve "Preseumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were ALL QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Stephen L. Knollmeyer **Date:** October 22, 2010

Summary Report

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: MB10150C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	91	%	d8-Toluene	98	%	Bromofluorobenzen	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: B810180B
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Dichlorodifluoromethane	1	U	1,1,2-Trichloroethane	1	U
Chloromethane	1	U	1,3-Dichloropropane	1	U
Vinyl Chloride	1	U	Tetrachloroethene	1	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	1	U	Dibromochloromethane	1	U
Trichlorofluoromethane	1	U	1,2-Dibromoethane	1	U
1,1-Dichloroethene	1	U	Chlorobenzene	1	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	1	U
Methyl iodide	1	U	Ethylbenzene	1	U
Carbon Disulfide	1	U	o-Xylene	1	U
Methylene Chloride	5	U	m,p-Xylene	1	U
trans-1,2-Dichloroethene	1	U	Styrene	1	U
Methyl-tert-butyl ether (MTBE)	1	U	Bromoform	1	U
1,1-Dichloroethane	1	U	Isopropylbenzene	1	U
Vinyl acetate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl ethyl ketone	10	U	Bromobenzene	1	U
cis-1,2-Dichloroethene	1	U	1,2,3-Trichloropropane	1	U
2,2-Dichloropropane	1	U	n-Propylbenzene	1	U
Bromochloromethane	1	U	2-Chlorotoluene	1	U
Chloroform	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	tert-butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	sec-butylbenzene	1	U
Benzene	1	U	p-isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
cis-1,3-Dichloropropene	1	U	1,2-Dibromo-3-chloropropane	1	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	1	U
Toluene	1	U	Hexachlorobutadiene	1	U
trans-1,3-Dichloropropene	1	U	Naphthalene	1	U
			1,2,3-Trichlorobenzene	1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	100 %	d8-Toluene	101 %	Bromofluorobenzen	100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

Authorized signature

8260 TTECW (3):Res(71):Rec(3)

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 68000-1
Matrix: Solid
Percent Solid: 87
Dilution Factor: 152
Collection Date: 10/07/10
Lab Receipt Date: 10/08/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	152	U	1,1,2-Trichloroethane	114	U
Chloromethane	152	U	1,3-Dichloropropane	152	U
Vinyl Chloride	152	U	Tetrachloroethene	152	U
Bromomethane	152	U	2-Hexanone	1520	U
Chloroethane	152	U	Dibromochloromethane	114	U
Trichlorofluoromethane	152	U	1,2-Dibromoethane	114	U
1,1-Dichloroethene	114	U	Chlorobenzene	152	U
Acetone	1520	U	1,1,1,2-Tetrachloroethane	152	U
Methyl iodide	152	U	Ethylbenzene	152	U
Carbon Disulfide	152	U	o-Xylene	152	U
Methylene Chloride	761	U	m,p-Xylene	152	U
trans-1,2-Dichloroethene	152	U	Styrene	152	U
Methyl-tert-butyl ether (MTBE)	114	U	Bromoform	114	U
1,1-Dichloroethane	152	U	Isopropylbenzene	152	U
Vinyl acetate	1140	U	1,1,2,2-Tetrachloroethane	114	U
Methyl ethyl ketone	1520	U	Bromobenzene	152	U
cis-1,2-Dichloroethene	152	U	1,2,3-Trichloropropane	152	U
2,2-Dichloropropane	152	U	n-Propylbenzene	152	U
Bromochloromethane	152	U	2-Chlorotoluene	152	U
Chloroform	114	U	1,3,5-Trimethylbenzene	152	U
1,1,1-Trichloroethane	152	**109 J**	4-Chlorotoluene	152	U
1,1-Dichloropropene	152	U	tert-butylbenzene	152	U
Carbon Tetrachloride	152	U	1,2,4-Trimethylbenzene	152	U
1,2-Dichloroethane	114	U	sec-butylbenzene	152	U
Benzene	152	U	p-isopropyltoluene	152	U
Trichloroethene	152	U	1,3-Dichlorobenzene	152	U
1,2-Dichloropropane	114	U	1,4-Dichlorobenzene	152	U
Dibromomethane	152	U	n-butylbenzene	152	U
Bromodichloromethane	114	U	1,2-Dichlorobenzene	152	U
cis-1,3-Dichloropropene	152	U	1,2-Dibromo-3-chloropropane	152	U
Methyl isobutyl ketone	1520	U	1,2,4-Trichlorobenzene	152	U
Toluene	152	U	Hexachlorobutadiene	152	U
trans-1,3-Dichloropropene	152	U	Naphthalene	152	**90 J**
			1,2,3-Trichlorobenzene	152	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	96 %	d8-Toluene	104 %	Bromofluorobenzen	104 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 68000-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 10/08/10
Lab Receipt Date: 10/08/10
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GP-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Dichlorodifluoromethane	1	U	1,1,2-Trichloroethane	1	U
Chloromethane	1	U	1,3-Dichloropropane	1	U
Vinyl Chloride	1	U	Tetrachloroethene	1	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	1	U	Dibromochloromethane	1	U
Trichlorofluoromethane	1	U	1,2-Dibromoethane	1	U
1,1-Dichloroethene	1	U	Chlorobenzene	1	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	1	U
Methyl iodide	1	U	Ethylbenzene	1	U
Carbon Disulfide	1	U	o-Xylene	1	U
Methylene Chloride	5	U	m,p-Xylene	1	U
trans-1,2-Dichloroethene	1	U	Styrene	1	U
Methyl-tert-butyl ether (MTBE)	1	U	Bromoform	1	U
1,1-Dichloroethane	1	U	Isopropylbenzene	1	U
Vinyl acetate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl ethyl ketone	10	U	Bromobenzene	1	U
cis-1,2-Dichloroethene	1	U	1,2,3-Trichloropropane	1	U
2,2-Dichloropropane	1	U	n-Propylbenzene	1	U
Bromochloromethane	1	U	2-Chlorotoluene	1	U
Chloroform	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	tert-butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	sec-butylbenzene	1	U
Benzene	1	U	p-isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
cis-1,3-Dichloropropene	1	U	1,2-Dibromo-3-chloropropane	1	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	1	U
Toluene	1	U	Hexachlorobutadiene	1	U
trans-1,3-Dichloropropene	1	U	Naphthalene	1	U
			1,2,3-Trichlorobenzene	1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	104	%	d8-Toluene	100	%	Bromofluorobenzen	100	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 68000-3
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 10/08/10
Lab Receipt Date: 10/08/10
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Dichlorodifluoromethane	1	U	1,1,2-Trichloroethane	1	U
Chloromethane	1	U	1,3-Dichloropropane	1	U
Vinyl Chloride	1	U	Tetrachloroethene	1	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	1	U	Dibromochloromethane	1	U
Trichlorofluoromethane	1	U	1,2-Dibromoethane	1	U
1,1-Dichloroethene	1	U	Chlorobenzene	1	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	1	U
Methyl iodide	1	U	Ethylbenzene	1	U
Carbon Disulfide	1	U	o-Xylene	1	U
Methylene Chloride	5	U	m,p-Xylene	1	U
trans-1,2-Dichloroethene	1	U	Styrene	1	U
Methyl-tert-butyl ether (MTBE)	1	U	Bromoform	1	U
1,1-Dichloroethane	1	U	Isopropylbenzene	1	U
Vinyl acetate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl ethyl ketone	10	U	Bromobenzene	1	U
cis-1,2-Dichloroethene	1	U	1,2,3-Trichloropropane	1	U
2,2-Dichloropropane	1	U	n-Propylbenzene	1	U
Bromochloromethane	1	U	2-Chlorotoluene	1	U
Chloroform	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	tert-butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	sec-butylbenzene	1	U
Benzene	1	U	p-isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
cis-1,3-Dichloropropene	1	U	1,2-Dibromo-3-chloropropane	1	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	1	U
Toluene	1	U	Hexachlorobutadiene	1	U
trans-1,3-Dichloropropene	1	U	Naphthalene	1	U
			1,2,3-Trichlorobenzene	1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane 103 % d8-Toluene 99 % Bromofluorobenzen 100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 68000-4
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: 10/08/10
Lab Receipt Date: 10/08/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane 100 % d8-Toluene 105 % Bromofluorobenzen 106 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): N

SDG: 68000

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	95		101		100	
LS10150C,RR	95		100		102	
LS10150C2,RR	88		100		99	
MB10150C	91		98		97	
68000-4	100		105		106	
68000-1	96		104		104	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC AQUEOUS
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: B
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): N

SDG: 68000

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
0.2 PPB	106		100		101	
0.5 PPB	108		102		101	
1.0 PPB	110		101		103	
2.0 PPB	108		103		101	
5.0 PPB	110		101		102	
20 PPB	107		102		103	
50 PPB	104		102		100	
100 PPB	100		103		101	
20 PPB ICV3/L810180B3	95		99		99	
20 PPB ICV4/L810180B4	95		98		100	
B810180B	100		101		100	
68000-3	103		99		100	
68000-2	104		100		100	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	120
SMC #2 =	Toluene-d8	85	120
SMC #3 =	Bromofluorobenzene	75	120

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 68000
Non-spiked sample: MB10150C
Spike: LS10150C,RR
Spike duplicate: LS10150C2,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	2000	2000	49	82	25	0	1585	79		1552	78		2	
Chloromethane	2000	2000	75	125	25	0	1778	89		1643	82		8	
Vinyl Chloride	2000	2000	75	125	25	0	1667	83		1701	85		2	
Bromomethane	2000	2000	75	125	25	0	2162	108		2218	111		3	
Chloroethane	2000	2000	75	125	25	0	1969	98		1844	92		7	
t-Butyl alcohol (TBA)	10000	10000	60	140	25	0	8694	87		7543	75		14	
Trichlorofluoromethane	2000	2000	75	125	25	0	1691	85		1679	84		1	
Diethyl ether	2000	2000	75	125	25	0	2141	107		2074	104		3	
1,1,2-Trichlorotrifluoroethane	2000	2000	75	125	25	0	1955	98		1885	94		4	
Acetone	5000	5000	75	125	25	0	6153	123		5911	118		4	
1,1-Dichloroethene	2000	2000	75	125	25	0	1971	99		1945	97		1	
Methyl iodide	2000	2000	75	125	25	0	2089	104		2263	113		8	
Di-isopropyl ether (DIPE)	2000	2000	75	125	25	0	1931	97		1899	95		2	
Methylene Chloride	2000	2000	75	125	25	0	1977	99		1943	97		2	
Carbon Disulfide	2000	2000	75	125	25	0	2069	103		2045	102		1	
Acrylonitrile	2000	2000	75	125	25	0	1994	100		1764	88		12	
Methyl-tert-butyl ether (MTBE)	2000	2000	75	125	25	0	1963	98		1977	99		1	
trans-1,2-Dichloroethene	2000	2000	75	125	25	0	1910	96		1863	93		2	
1,1-Dichloroethane	2000	2000	75	125	25	0	1990	99		1928	96		3	
Methyl ethyl ketone	5000	5000	60	140	25	0	5047	101		4044	81		22	
Ethyl t-butyl ether (ETBE)	2000	2000	75	125	25	0	1950	97		1906	95		2	
2,2-Dichloropropane	2000	2000	75	125	25	0	1865	93		1782	89		5	
cis-1,2-Dichloroethene	2000	2000	75	125	25	0	1911	96		1844	92		4	
t-Amyl methyl ether (TAME)	2000	2000	75	125	25	0	1887	94		1835	92		3	
Chloroform	2000	2000	75	125	25	0	1854	93		1790	90		3	
Bromochloromethane	2000	2000	75	125	25	0	1979	99		1964	98		1	
Tetrahydrofuran	2000	2000	60	140	25	0	1831	92		1696	85		8	
1,1,1-Trichloroethane	2000	2000	75	125	25	0	1841	92		1791	90		3	
1,1-Dichloropropene	2000	2000	75	125	25	0	1897	95		1921	96		1	
Carbon Tetrachloride	2000	2000	75	125	25	0	1983	99		1938	97		2	
1,2-Dichloroethane	2000	2000	75	125	25	0	1895	95		1849	92		2	
Benzene	2000	2000	75	125	25	0	1913	96		1904	95		0	
Trichloroethene	2000	2000	75	125	25	0	1949	97		2001	100		3	
1,2-Dichloropropane	2000	2000	75	125	25	0	1923	96		1914	96		0	
Methylmethacrylate	2000	2000	75	125	25	0	1691	85		1613	81		5	
Bromodichloromethane	2000	2000	75	125	25	0	1772	89		1781	89		1	
Dibromomethane	2000	2000	75	125	25	0	1918	96		1913	96		0	
2-Hexanone	5000	5000	75	125	25	0	4483	90		3954	79		13	
Methyl isobutyl ketone	5000	5000	75	125	25	0	4521	90		4189	84		8	
cis-1,3-Dichloropropene	2000	2000	75	125	25	0	1913	96		1906	95		0	
Toluene	2000	2000	75	125	25	0	1870	94		1881	94		1	
trans-1,3-Dichloropropene	2000	2000	75	125	25	0	1844	92		1833	92		1	
1,1,2-Trichloroethane	2000	2000	75	125	25	0	1943	97		1909	95		2	
1,3-Dichloropropane	2000	2000	75	125	25	0	1772	89		1764	88		0	
Tetrachloroethene	2000	2000	75	125	25	0	1625	81		1651	83		2	
Dibromochloromethane	2000	2000	75	125	25	0	1743	87		1754	88		1	
1,2-Dibromoethane	2000	2000	75	125	25	0	1764	88		1736	87		2	
Chlorobenzene	2000	2000	75	125	25	0	1817	91		1843	92		1	
1,1,1,2-Tetrachloroethane	2000	2000	75	125	25	0	1843	92		1858	93		1	
Ethylbenzene	2000	2000	75	125	25	0	1784	89		1806	90		1	
m,p-Xylene	4000	4000	75	125	25	0	3578	89		3615	90		1	
o-Xylene	2000	2000	75	125	25	0	1773	89		1831	92		3	
Styrene	2000	2000	75	125	25	0	1813	91		1841	92		2	

VOA FORM 3

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 68000
Non-spiked sample: MB10150C
Spike: LS10150C,RR
Spike duplicate: LS10150C2,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Bromoform	2000	2000	75	125	25	0	1661	83		1659	83		0	
Isopropylbenzene	2000	2000	75	125	25	0	1810	90		1809	90		0	
1,1,2,2-Tetrachloroethane	2000	2000	75	125	25	0	1696	85		1601	80		6	
1,2,3-Trichloropropane	2000	2000	75	125	25	0	1878	94		1755	88		7	
trans-1,4-Dichloro-2-butene	2000	2000	75	125	25	0	1900	95		1853	93		3	
n-Propylbenzene	2000	2000	75	125	25	0	1781	89		1784	89		0	
Bromobenzene	2000	2000	75	125	25	0	1845	92		1807	90		2	
1,3,5-Trimethylbenzene	2000	2000	75	125	25	0	1810	91		1805	90		0	
2-Chlorotoluene	2000	2000	75	125	25	0	1857	93		1843	92		1	
4-Chlorotoluene	2000	2000	75	125	25	0	1788	89		1817	91		2	
tert-butylbenzene	2000	2000	75	125	25	0	1749	87		1805	90		3	
1,2,4-Trimethylbenzene	2000	2000	75	125	25	0	1756	88		1724	86		2	
sec-butylbenzene	2000	2000	75	125	25	0	1793	90		1784	89		1	
p-isopropyltoluene	2000	2000	75	125	25	0	1751	88		1748	87		0	
1,3-Dichlorobenzene	2000	2000	75	125	25	0	1752	88		1750	88		0	
1,4-Dichlorobenzene	2000	2000	75	125	25	0	1785	89		1783	89		0	
n-butylbenzene	2000	2000	75	125	25	0	1821	91		1815	91		0	
1,2-Dichlorobenzene	2000	2000	75	125	25	0	1826	91		1822	91		0	
1,2-Dibromo-3-chloropropane	2000	2000	75	125	25	0	1756	88		1484	74	*	17	
1,2,4-Trichlorobenzene	2000	2000	75	125	25	0	1758	88		1781	89		1	
Hexachlorobutadiene	2000	2000	75	125	25	0	1774	89		1747	87		2	
Naphthalene	2000	2000	75	125	25	0	1763	88		1675	84		5	
1,2,3-Trichlorobenzene	2000	2000	75	125	25	0	1739	87		1769	88		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

10/19/10

Instrument ID: B
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: B810180B
Spike: 20 PPB ICV3/L810180B3
Spike duplicate: 20 PPB ICV4/L810180B4

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	80	120	15	0.0	17	87		16	82		6	
Chloromethane	20	80	120	15	0.0	17	83 ✓		16	79 M	*	5	
Vinyl Chloride	20	80	120	15	0.0	17	85 ✓		16	78 M	*	9	
Bromomethane	20	80	120	15	0.0	17	87		16	81		7	
Chloroethane	20	80	120	15	0.0	17	83		16	80		5	
t-Butyl alcohol (TBA)	100	70	130	15	0.0	89	89		89	89		0	
Trichlorofluoromethane	20	80	120	15	0.0	16	82 ✓		15	77 M	*	6	
Diethyl ether	20	80	120	15	0.0	20	100		19	96		3	
1,1,2-Trichlorotrifluoroethane	20	80	120	15	0.0	21	106		20	101		4	
Acetone	100	70	130	15	0.0	95	95		94	94		2	
1,1-Dichloroethene	20	80	120	15	0.0	21	105		19	97		7	
Methyl iodide	20	70	130	15	0.0	20	102		20	98		4	
Di-isopropyl ether (DIPE)	20	80	120	15	0.0	20	100		19	95		5	
Methylene Chloride	20	80	120	15	0.0	21	107		20	102		4	
Carbon Disulfide	20	70	130	15	0.0	21	104		19	97		7	
Acrylonitrile	20	70	130	15	0.0	22	109		21	106		3	
Methyl-tert-butyl ether (MTBE)	40	80	120	15	0.0	40	99		39	96		3	
trans-1,2-Dichloroethene	20	80	120	15	0.0	19	94		18	89		6	
1,1-Dichloroethane	20	80	120	15	0.0	20	101		20	98		3	
Vinyl acetate	20	70	130	15	0.0	17	86		17	87		2	
Methyl ethyl ketone	100	70	130	15	0.0	99	99		99	99		0	
Ethyl t-butyl ether (ETBE)	20	80	120	15	0.0	20	100		19	97		2	
2,2-Dichloropropane	20	80	120	15	0.0	21	106		21	103		3	
cis-1,2-Dichloroethene	20	80	120	15	0.0	22	111		22	108		2	
t-Amyl methyl ether (TAME)	20	80	120	15	0.0	20	100		20	98		2	
Chloroform	20	80	120	15	0.0	21	105		20	102		3	
Bromochloromethane	20	80	120	15	0.0	22	112		22	110		2	
Tetrahydrofuran	20	70	130	15	0.0	21	105		20	101		4	
1,1,1-Trichloroethane	20	80	120	15	0.0	21	105		20	100		5	
1,1-Dichloropropene	20	80	120	15	0.0	21	104		20	98		6	
Carbon Tetrachloride	20	80	120	15	0.0	22	109		21	104		4	
1,2-Dichloroethane	20	80	120	15	0.0	19	97		19	94		3	
Benzene	20	80	120	15	0.0	21	103		19	97		6	
Trichloroethene	20	80	120	15	0.0	21	104		20	100		4	
1,2-Dichloropropane	20	80	120	15	0.0	21	104		20	100		3	
Methylmethacrylate	20	70	130	15	0.0	19	97		20	100		3	
Methyl acetate	20	70	130	15	0.0	22	110		22	109		1	
Cyclohexane	20	70	130	15	0.0	22	109		21	107		2	
Bromodichloromethane	20	80	120	15	0.0	21	104		20	102		1	
Dibromomethane	20	80	120	15	0.0	21	104		21	104		0	
1,4-Dioxane	500	70	130	15	0.0	491	98		496	99		1	
Methylcyclohexane	20	70	130	15	0.0	22	110		21	105		5	
2-Hexanone	100	70	130	15	0.0	108	108		107	107		1	
Methyl isobutyl ketone	100	70	130	15	0.0	104	104		105	105		1	
cis-1,3-Dichloropropene	20	80	120	15	0.0	21	107		21	106		2	
Toluene	20	80	120	15	0.0	21	103		20	100		3	
trans-1,3-Dichloropropene	20	80	120	15	0.0	21	103		20	102		0	
1,1,2-Trichloroethane	20	80	120	15	0.0	22	108		21	107		2	
1,3-Dichloropropane	20	80	120	15	0.0	20	102		20	102		0	
Tetrachloroethene	20	80	120	15	0.0	22	108		21	105		3	
Dibromochloromethane	20	80	120	15	0.0	21	106		21	105		1	

Ch2MMR 75-125

VOA FORM 3

10/19/10

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: B
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: B810180B
Spike: 20 PPB ICV3/L810180B3
Spike duplicate: 20 PPB ICV4/L810180B4

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
1,2-Dibromoethane	20	80	120	15	0.0	21	107		22	108		1	
Chlorobenzene	20	80	120	15	0.0	20	100		20	100		1	
1,1,1,2-Tetrachloroethane	20	80	120	15	0.0	21	106		21	106		0	
Ethylbenzene	20	80	120	15	0.0	20	101		20	101		0	
m,p-Xylene	40	80	120	15	0.0	40	101		40	99		2	
o-Xylene	20	80	120	15	0.0	20	100		20	100		1	
Styrene	20	80	120	15	0.0	21	106		21	106		0	
Bromoform	20	80	120	15	0.0	22	109		22	109		0	
Isopropylbenzene	20	80	120	15	0.0	21	104		20	101		3	
1,1,2,2-Tetrachloroethane	20	80	120	15	0.0	20	101		21	104		3	
1,2,3-Trichloropropane	20	80	120	15	0.0	19	96		20	98		2	
trans-1,4-Dichloro-2-butene	20	80	120	15	0.0	20	102		20	102		0	
n-Propylbenzene	20	80	120	15	0.0	19	96		19	95		2	
Bromobenzene	20	80	120	15	0.0	20	100		20	100		0	
1,3,5-Trimethylbenzene	20	80	120	15	0.0	21	105		20	102		3	
2-Chlorotoluene	20	80	120	15	0.0	21	103		21	103		1	
4-Chlorotoluene	20	80	120	15	0.0	20	99		19	95		3	
tert-butylbenzene	20	80	120	15	0.0	20	101		20	102		1	
1,2,4-Trimethylbenzene	20	80	120	15	0.0	20	98		20	98		0	
sec-butylbenzene	20	80	120	15	0.0	20	101		19	97		4	
p-isopropyltoluene	20	80	120	15	0.0	21	107		21	104		3	
1,3-Dichlorobenzene	20	80	120	15	0.0	20	100		20	100		0	
1,4-Dichlorobenzene	20	80	120	15	0.0	20	99		19	97		3	
n-butylbenzene	20	80	120	15	0.0	22	111		21	107		4	
1,2-Dichlorobenzene	20	80	120	15	0.0	21	105		21	104		2	
1,2-Dibromo-3-chloropropane	20	80	120	15	0.0	21	106		21	107		1	
1,2,4-Trichlorobenzene	20	80	120	15	0.0	21	104		21	104		1	
Hexachlorobutadiene	20	80	120	15	0.0	21	104		21	104		0	
Naphthalene	20	80	120	15	0.0	21	106		22	110		4	
1,2,3-Trichlorobenzene	20	80	120	15	0.0	21	105		21	105		0	
1,3,5-Trichlorobenzene	20	80	120	15	0.0	20	100		19	95		5	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VOA FORM 3

analytics environmental laboratory LLC

IS only V8970 Exp: x 8-11-10

SS+IS V8931 Exp: x 8-11-10

Voltage: 2094

Threshold: 100

GC/MS Volatiles Instrument C: 081010-C

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-C-081010-1-JH							
4	V8081D0C	BFB 50 Ng	5mL	2mL	V8951	✓	C75996T	JH	NA
5		0.2 PPB		0.05mL	V8953 V8941	✓	9751		
6		0.5 PPB		0.125mL		✓	9851		
7		1.0 PPB		0.25mL		✓	9951		
8		2.0 PPB		0.5mL		✓	C76000081		
10		5.0 PPB		1.25mL		✓	0151		
11		20.0 PPB		5mL		✓	0251		
12		50.0 PPB		12.5mL		✓	0351		
13		100.0 PPB		25mL		✓	0451		
14		Blank					05[illegible]		
15		20 PPB ICV		5mL	V8950 V8944	✓	06CC		
16		20 PPB ICV		5mL		✓	07BC		

JH 08.11.10

analytics environmental laboratory LLC

Surr only V9044 7/15/11

IS only V9088 Exp: 10/27/10

SS+IS V9089 Exp: 10/27/10

101510C

Voltage: 2094

Threshold: 150

GC/MS Volatiles Instrument C:

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-C-101510-1-TD					C		
1	V8081100C	BFB 50ng	5ml	2ml	V9084	✓	C765345	TD	NA
2		20.0		5ml 5ml	V9090 V9092	dichlor, 1,1,2,2-T, methylene chloride, allow dichlorodifluoromethane/ethylene chloride	35		
3		20.0				✓	36		
4		LS10150C	50ml		V9091 V9096 V9082	✓	37		
5		LS10150C2	50ml			✓	38		
6		LS10150C, RR	50ml			✓	39		
7		LS10150C2, RR	50ml			✓	40		
8		Bromoform	5ml	5ml	V9085	✓	41		
10		MB10150C	50ml			✓	42		
11		67967-5	50ml			✓	43		
12		68000-4	50			✓	44		
13		67967-1	50			✓	45		
14		-2	50			✓	46		
15		-3	50			✓	47		
16		-4	50			✓	48		
1		68000-1	~~5ml~~ 5ml			✓	49		
2		67958-1	5			✓	50		<2
3		67959-1	5			✓	51		<2
4		67960-1	5			✓ surr RR 10X	52		<2
5		67995-1, 5X	1ml			RR 5ml	53		<2
6		67995-2	5ml			✓	54		<2
7		67996-1, 100X	50ml			✓	55		<2
8		68018-1	50ml			out of 12hr window	56		<2
10		68018-1, MS	50ml				57		<2
11		68018-1, MSD	50ml				58		<2

MI 10/16/10

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1 12/16/09

[24]

analytics environmental laboratory LLC

10/18/10 B

IS only

SS+IS V9082A

Voltage: 1329

Threshold: 100

Exp:

Exp: 10/20/10

GC/MS Volatiles Instrument B:

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-B-101810-1-TD							
1	V810180B	Blank	5 ml				B74532	TD	NA
2		~~50~~ BFB 50ng	5	2ml	V9084	✓	33T		
3		0.2 ppb	5	.05ml	V9040 V9107	✓	34SI		
4		0.5	5	.125		✓	35SI		
5		1	5	.25		✓	36SI		
6		2	5	.5		✓	37SI		
7		5	5	1.25		✓	38SI		
8		20	5	5		✓	39SI		
9		50	5	12.5		✓	40SI		
10		100	5	25		✓	41SI		
11		Blank	5			✓	42		
12		Blank	5			✓	43		
13		20ppbICV / L810180B	5	5ml 5ml	V9091 V9096	↓ gases	44CC		
14		20ppbICV2 / L810180B2	5	5ml	V9104	↓ gases	45CC		
15		20ppbICV3 / L810180B3	5	5ml 5ml	V9111 V9104	New stock mix (gases) ✓	46CC		
16		20ppbICV4 / L810180B4	5	5ml	V9091	✓	47CC		
17		Blank	5				48		
18		Bromoform	5	5ml	V9085	✓	49		
19		B810180B	5			✓	50B		
20		67980-16	5			✓	51		<2
21		68000-3	5			✓	52		<2
22		67980-13	5			✓	53		<2
23		-14	5			✓	54		<2
24		68000-2	5			✓	55		<2
25		68038-16	5			✓	56		<2
26		68006-5, MS	5			✓	57SP		<2
27		-5, MSD	5			✓	58SP		<2
~~28~~		W-B-101810-2-TD					59		
~~29~~		Blank	5 ml				60 59		
~~30~~ 29		BFB 50ng	5	2ml	V9084		61 60T		
~~31~~ 30		20.0	5	5ml 5ml	V9040 V9107		62 61SX		
~~32~~ 31		L810180B5	5	5ml 5ml	V9111 V9104		63 62Q		
~~33~~ 32		L810180B6	5	5ml	V9091		64 63Q		
~~34~~ 33		Blank	5				65 64		
~~35~~ 34		Blank	5				66 65		
~~36~~ 35		B810180B2	5				66B		

cont. next page

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG: 68000
BFB File ID: C75996T.D
BFB Injection Date: 08/10/10
BFB Injection Time: 11:05

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
0.2 PPB	C75997SI.D	8/10/10 11:40
0.5 PPB	C75998SI.D	8/10/10 12:13
1.0 PPB	C75999SI.D	8/10/10 12:55
2.0 PPB	C76000SI.D	8/10/10 13:29
5.0 PPB	C76001SI.D	8/10/10 14:07
20.0 PPB	C76002SI.D	8/10/10 14:39
50.0 PPB	C76003SI.D	8/10/10 15:08
100.0 PPB	C76004SI.D	8/10/10 15:14
20 PPB ICV	C76006CC.D	8/10/10 16:35
20 PPB ICV2	C76007CC.D	8/10/10 17:08

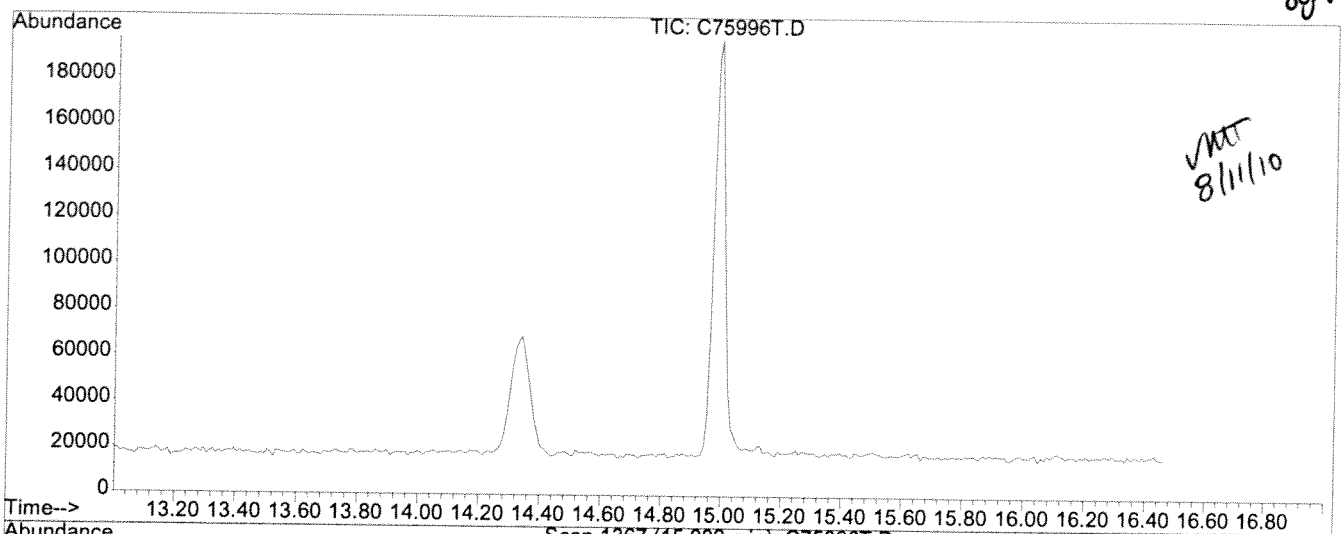
Refer to the BFB report C75996T.D for ion ratio evaluation.

VOA FORM 5

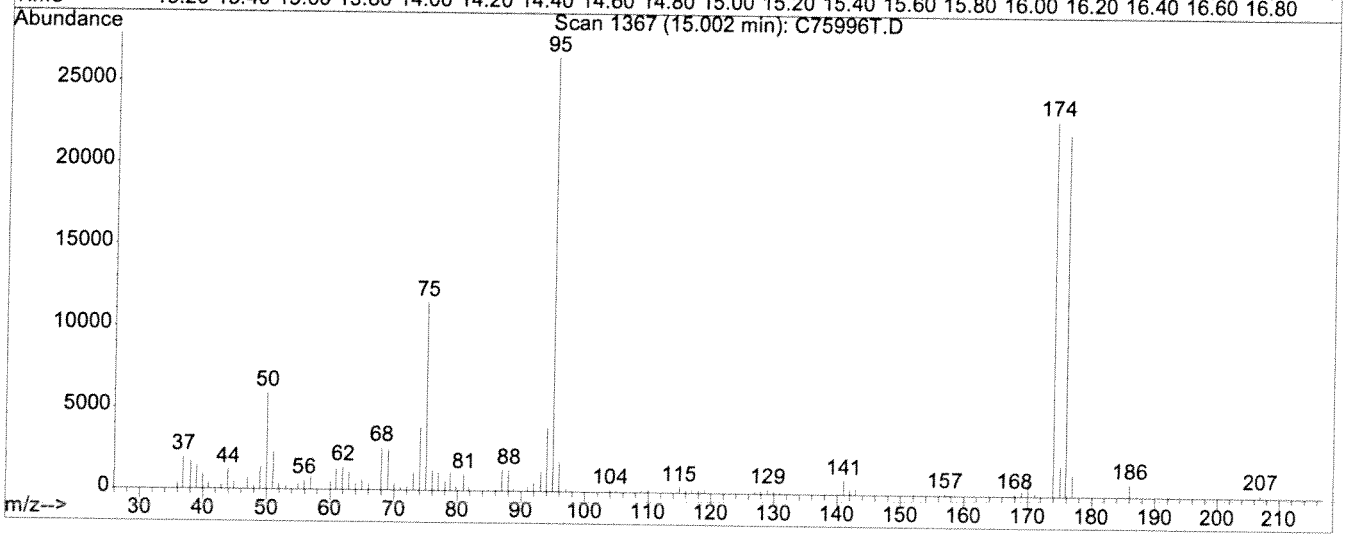
BFB

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75996T.D Vial: 4
Acq On : 10 Aug 2010 11:05 am Operator: JK
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator
Title : 8260 Purgable Organics

JL 08/10/10



VMT 8/11/10



Spectrum Information: Scan 1367

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	5911	PASS
75	95	30	60	43.3	11499	PASS
95	95	100	100	100.0	26584	PASS
96	95	5	9	6.8	1798	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.4	22960	PASS
175	174	5	9	7.9	1821	PASS
176	174	95	101	96.2	22096	PASS
177	176	5	9	5.9	1310	PASS

C75996T.D V808100C.M Tue Aug 10 11:07:26 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG: 68000
BFB File ID: C76534T.D
BFB Injection Date: 10/15/10
BFB Injection Time: 11:11

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
20 PPB	C76536SC.D	10/15/10	12:03
LS10150C,RR	C76539Q.D	10/15/10	14:25
LS10150C2,RR	C76540Q.D	10/15/10	14:41
MB10150C	C76542.D	10/15/10	15:43
68000-4	C76544.D	10/15/10	16:49
68000-1	C76549.D	10/15/10	19:21

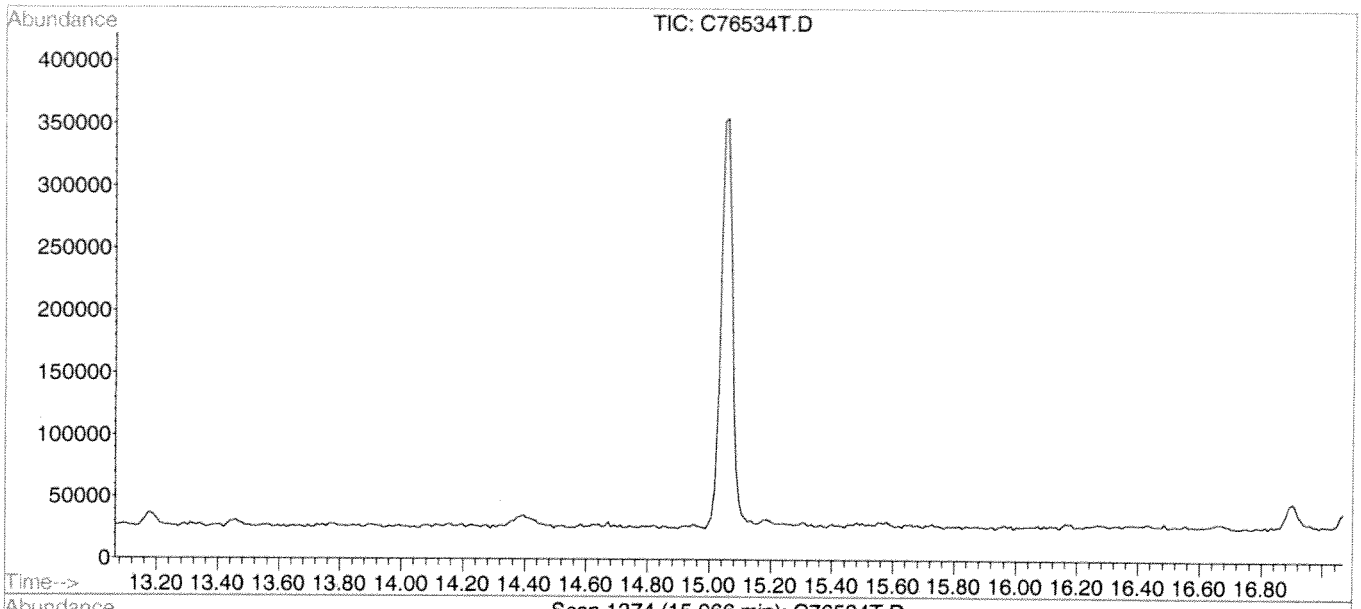
Refer to the BFB report C76534T.D for ion ratio evaluation.

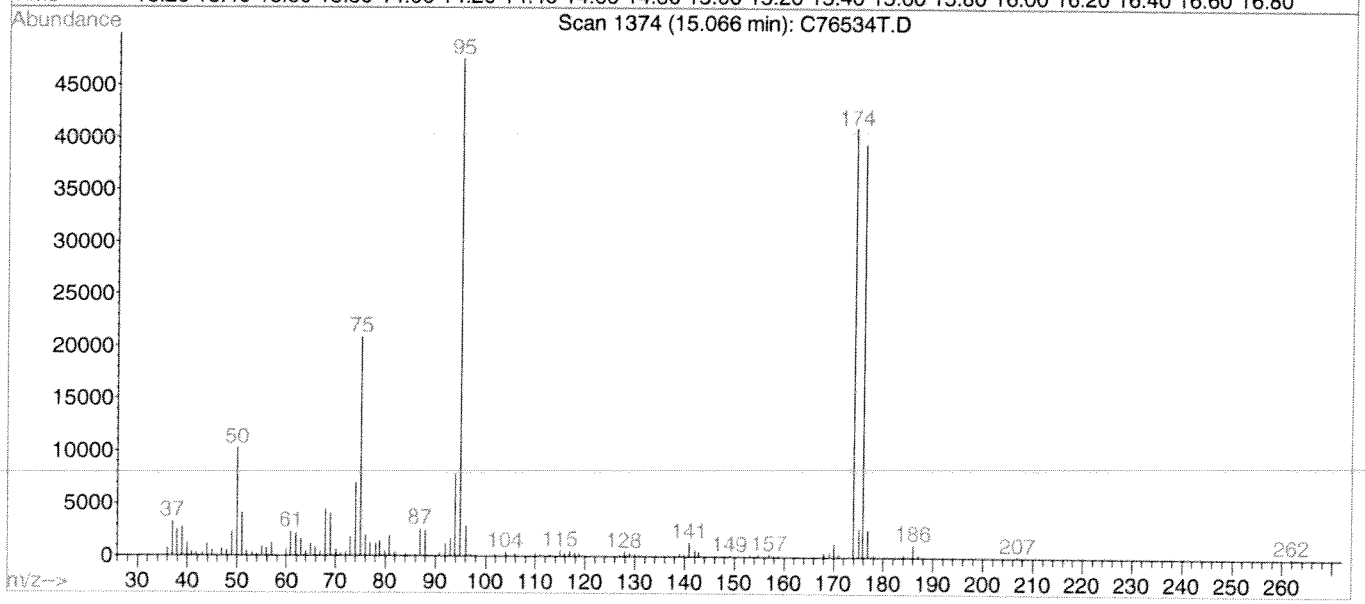
VOA FORM 5

BFB

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76534T.D Vial: 1
Acq On : 15 Oct 2010 11:11 am Operator: MT
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics

10/18/10





Spectrum Information: Scan 1374

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	10237	PASS
75	95	30	60	43.9	20856	PASS
95	95	100	100	100.0	47552	PASS
96	95	5	9	6.0	2860	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.1	40960	PASS
175	174	5	9	6.4	2640	PASS
176	174	95	101	96.3	39456	PASS
177	176	5	9	6.4	2525	PASS

VMT 10/18/10

C76534T.D V808100C.M Sat Oct 16 12:59:10 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: B
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG: 68000
BFB File ID: B74533T.D
BFB Injection Date: 10/18/10
BFB Injection Time: 9:51

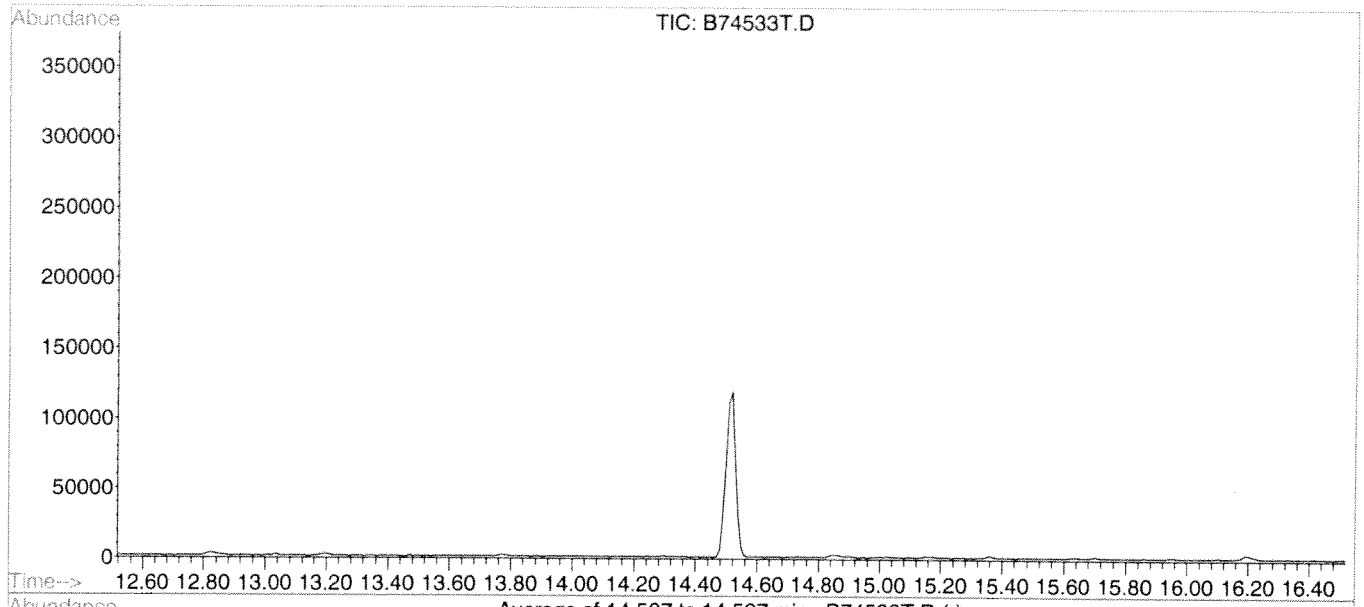
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
0.2 PPB	B74534SI.D	10/18/10	10:14
0.5 PPB	B74535SI.D	10/18/10	10:43
1.0 PPB	B74536SI.D	10/18/10	11:13
2.0 PPB	B74537SI.D	10/18/10	11:42
5.0 PPB	B74538SI.D	10/18/10	12:11
20 PPB	B74539SI.D	10/18/10	12:26
50 PPB	B74540SI.D	10/18/10	12:55
100 PPB	B74541SI.D	10/18/10	13:24
20 PPB ICV3/L810180B3	B74546CC.D	10/18/10	15:39
20 PPB ICV4/L810180B4	B74547CC.D	10/18/10	16:23
B810180B	B74550.D	10/18/10	17:45
68000-3	B74552.D	10/18/10	18:44
68000-2	B74555.D	10/18/10	19:57

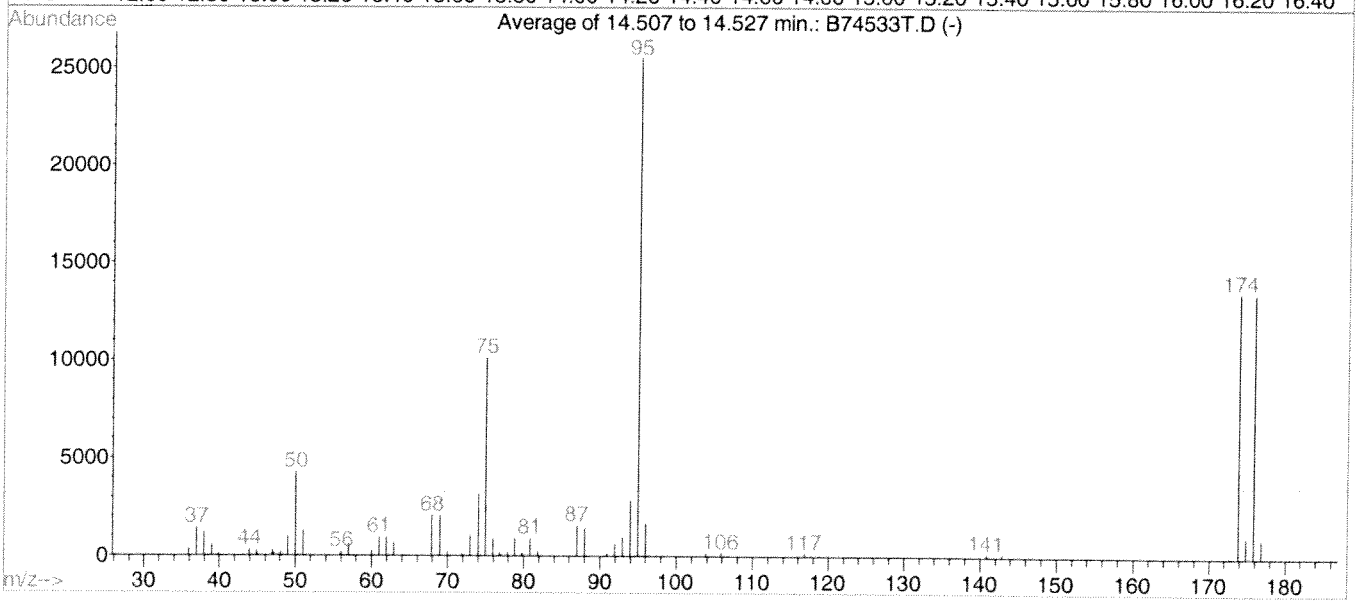
Refer to the BFB report B74533T.D for ion ratio evaluation.

VOA FORM 5

Data File : C:\HPCHEM\1\DATA\101810-B\B74533T.D Vial: 2
Acq On : 18 Oct 2010 9:51 am Operator: TD
Sample : BFB 50NG Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics

TD 10/18/10





AutoFind: Scans 1291, 1292, 1293; Background Corrected with Scan 1284

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.6	4227	PASS
75	95	30	60	39.7	10106	PASS
95	95	100	100	100.0	25485	PASS
96	95	5	9	6.5	1660	PASS
173	174	0.00	2	0.3	35	PASS ✓
174	95	50	100	53.0	13515	PASS
175	174	5	9	7.6	1028	PASS
176	174	95	101	99.5	13447	PASS
177	176	5	9	6.9	922	PASS

YMT 10/19/10

B74533T.D V810180B.M Tue Oct 19 07:40:21 2010

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	---ISTD---							
2)	TM	Dichlorodifluoromet	0.928	0.735	0.729	0.730	0.722	0.700	0.757	11.16
3)	TMP	Chloromethane	1.420	0.977	1.073	0.990	1.014		1.195	~~24.77~~
4)	TMC	Vinyl Chloride	0.952	0.752	0.756	0.722	0.732	0.681	0.766	12.41
5)	TM	Bromomethane	0.626	0.365	0.424	0.580	0.638	0.637	0.522	~~23.92~~
6)	TM	Chloroethane	0.624	0.575	0.585	0.553	0.579	0.561	0.579	4.27
7)	TM	t-Butyl alcohol (TB	0.090	0.073	0.072	0.062	0.071	0.065	0.072#	13.43
8)	TM	Trichlorofluorometh	1.247	1.042	1.129	1.166	1.156	1.124	1.175	8.75
9)	TM	Diethyl ether	0.318	0.309	0.277	0.356	0.331	0.328	0.315	8.53
10)	TM	1,1,2-Trichlorotrif	0.666	0.667	0.591	0.639	0.604	0.602	0.650	10.07
11)	T	Acrolein	0.071	0.052	0.032	0.042	0.043	0.042	0.047#	~~28.02~~
12)	TM	Acetone	0.369	0.311	0.267	0.269	0.258	0.251	0.315	~~26.71~~
13)	TMC	1,1-Dichloroethene	0.696	0.665	0.538	0.592	0.569	0.566	0.604	10.31
14)	TM	Methyl iodide	0.428	0.420	0.389	0.626	0.545		0.481	~~20.83~~
15)	TM	Di-isopropyl ether	3.354	2.840	2.528	2.879	2.759	2.818	2.967	12.50
16)	TM	Methylene Chloride	1.157	1.081	0.691	0.694	0.680	0.672	0.829	~~27.25~~
17)	TM	Carbon Disulfide	2.164	2.129	1.859	2.117	1.984	2.011	2.044	5.62
18)	TM	Acrylonitrile	0.299	0.337	0.322	0.329	0.330	0.318	0.323	4.13
19)	TM	Methyl-tert-butyl e	1.140	1.170	1.443	1.527	1.545	1.493	1.398	12.12
20)	TM	trans-1,2-Dichloroe	1.220	1.085	0.892	1.015	0.978	0.965	1.029	10.17
21)	TMP	1,1-Dichloroethane	1.675	1.298	1.132	1.236	1.194	1.177	1.344	~~17.78~~
22)	TM	Vinyl acetate	1.297	0.991	1.038	1.314	1.399	1.394	1.252	13.33
23)	TM	Methyl ethyl ketone	0.079	0.063	0.065	0.071	0.069	0.066	0.072#	12.46
24)	TM	Ethyl t-butyl ether	2.426	2.109	1.861	2.152	2.081	2.105	2.176	10.04
25)	TM	2,2-Dichloropropane	0.922	0.657	0.695	0.749	0.765	0.773	0.775	11.88
26)	TM	cis-1,2-Dichloroeth	0.867	0.780	0.639	0.747	0.701	0.691	0.737	10.82
27)	TM	t-Amyl methyl ether	1.938	1.816	1.523	1.710	1.652	1.674	1.789	12.65
28)	S	DB Holder #28	0.779	0.742	0.764	0.795	0.763	0.725	0.760	2.84
29)	TMC	Chloroform	1.409	1.213	1.043	1.185	1.120	1.113	1.211	11.69
30)	TM	Bromochloromethane	0.589	0.377	0.325	0.331	0.313	0.309	0.396	~~29.04~~
31)	TM	Tetrahydrofuran	0.123	0.136	0.115	0.085	0.082	0.078	0.103	~~23.91~~
32)	TM	1,1,1-Trichloroetha	1.085	0.903	0.843	0.968	0.922	0.898	0.945	8.37
33)	T	Ethanol	0.016	0.012	0.012	0.013	0.012	0.012	0.013#	12.33
34)	TM	1,1-Dichloropropene	1.154	1.000	0.820	0.928	0.902	0.878	0.947	12.42
35)	TM	Carbon Tetrachlorid	0.549	0.545	0.485	0.603	0.618	0.620	0.563	9.16
36)	S	d4-1,2-Dichloroetha	0.780	0.746	0.764	0.795	0.763	0.725	0.760	2.83
37)	TM	1,2-Dichloroethane	1.005	0.871	0.892	0.925	0.885	0.859	0.906	5.87
38)	TM	Benzene	2.793	2.402	2.144	2.379	2.276	2.309	2.460	11.57
39)	I	1,4-Difluorobenzene	---ISTD---							
40)	TM	Trichloroethene	0.566	0.424	0.357	0.385	0.346	0.340	0.432	~~25.45~~
41)	TMC	1,2-Dichloropropane	0.417	0.351	0.317	0.345	0.340	0.324	0.349	10.21
42)	TM	Methylmethacrylate	0.272	0.295	0.240	0.243	0.235	0.230	0.252	10.13

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

JL 08.11.1

		Compound	1	2	5	20	50	100	Avg	%RSD
43)	T	Methyl acetate	0.794	0.560	0.412	0.488	0.462	0.445	0.527	~~26.59~~ L0.9
44)	T	Cyclohexane	0.651	0.617	0.537	0.578	0.533	0.514	0.572	9.35
45)	TM	Bromodichloromethan	0.449	0.422	0.360	0.419	0.401	0.389	0.407	7.50
46)	TM	Dibromomethane	0.366	0.303	0.246	0.252	0.229	0.206	0.267	~~21.78~~ L0.9
47)	TM	1,4-Dioxane	0.005	0.005	0.004	0.004	0.004	0.004	0.004#	5.02
48)	T	Methylcyclohexane	0.587	0.535	0.471	0.517	0.489	0.496	0.516	8.01
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl	0.222	0.193	0.175	0.187	0.210	0.168	0.198	11.31
51)	TM	2-Hexanone	0.157	0.139	0.130	0.143	0.138	0.133	0.145	10.31
52)	TM	Methyl isobutyl ket	0.174	0.147	0.137	0.151	0.142	0.138	0.148	9.40
53)	TM	cis-1,3-Dichloropro	0.603	0.562	0.474	0.555	0.532	0.498	0.537	8.61
54)	S	d8-Toluene	1.092	1.104	1.098	1.111	1.101	1.087	1.103	0.96
55)	TMC	Toluene	0.887	0.822	0.684	0.778	0.737	0.727	0.773	9.48 ✓
56)	TM	trans-1,3-Dichlorop	0.568	0.510	0.440	0.517	0.498	0.499	0.505	8.12
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.269	0.261	0.221	0.261	0.247	0.242	0.250	7.00
59)	TM	1,3-Dichloropropane	0.662	0.563	0.457	0.529	0.497	0.492	0.544	13.18
[illegible])	TM	Tetrachloroethene	0.384	0.371	0.386	0.352	0.332	0.332	0.369	9.27
61)	TM	Dibromochloromethan	0.357	0.355	0.301	0.366	0.361	0.353	0.372	12.91
62)	TM	1,2-Dibromoethane	0.384	0.364	0.318	0.377	0.364	0.352	0.385	13.15
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	1.140	1.044	0.907	1.002	0.947	0.966	1.040 ✓	12.30
65)	TM	1,1,1,2-Tetrachloro	0.394	0.347	0.323	0.354	0.337	0.344	0.360	9.50
66)	TMC	Ethylbenzene	1.790	1.638	1.435	1.568	1.480	1.489	1.627	12.30 ✓
67)	TM	m,p-Xylene	0.730	0.662	0.577	0.641	0.602	0.602	0.664	13.48
68)	TM	o-Xylene	0.702	0.659	0.573	0.636	0.583	0.584	0.641	10.36
69)	TM	Styrene	1.202	1.082	0.999	1.096	1.042	1.039	1.121	11.98
70)	TMP	Bromoform	0.170	0.192	0.188	0.246	0.250	0.257	0.212 ✓	~~17.56~~ L1.0
71)	TM	Isopropylbenzene	1.764	1.726	1.487	1.630	1.528	1.521	1.669	11.39
72)	TMP	1,1,2,2-Tetrachloro	0.525	0.500	0.431	0.482	0.455	0.435	0.494 ✓	13.76
73)	S	Bromofluorobenzene	0.471	0.478	0.477	0.477	0.463	0.459	0.471	1.59
74)	TM	1,2,3-Trichloroprop	0.481	0.382	0.332	0.360	0.338	0.326	0.370	~~15.71~~ L0.9
75)	TM	trans-1,4-Dichloro-	0.140	0.133	0.109	0.134	0.126	0.124	0.128	8.43
76)	TM	n-Propylbenzene	2.153	2.020	1.731	1.905	1.782	1.750	1.963	12.59
77)	TM	Bromobenzene	0.416	0.364	0.342	0.371	0.351	0.348	0.375	9.76
78)	TM	1,3,5-Trimethylbenz	1.505	1.385	1.204	1.306	1.221	1.213	1.306	9.21
79)	TM	2-Chlorotoluene	1.336	1.229	1.111	1.210	1.146	1.127	1.193	7.04
80)	TM	4-Chlorotoluene	1.288	1.131	0.994	1.120	1.038	1.038	1.128	10.52
81)	TM	tert-butylbenzene	1.302	1.198	1.016	1.145	1.043	1.020	1.158	12.52
82)	TM	1,2,4-Trimethylbenz	1.604	1.417	1.252	1.375	1.265	1.250	1.399	11.63
83)	T	Diisobutylketone	1.098	1.027	0.883	0.962	0.908	0.863	0.990	12.24
[illegible])	TM	sec-butylbenzene	2.024	1.892	1.655	1.808	1.684	1.652	1.848	11.63
[illegible])	TM	p-isopropyltoluene	1.663	1.477	1.281	1.444	1.341	1.319	1.479	13.56

VMT 8/11/10

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

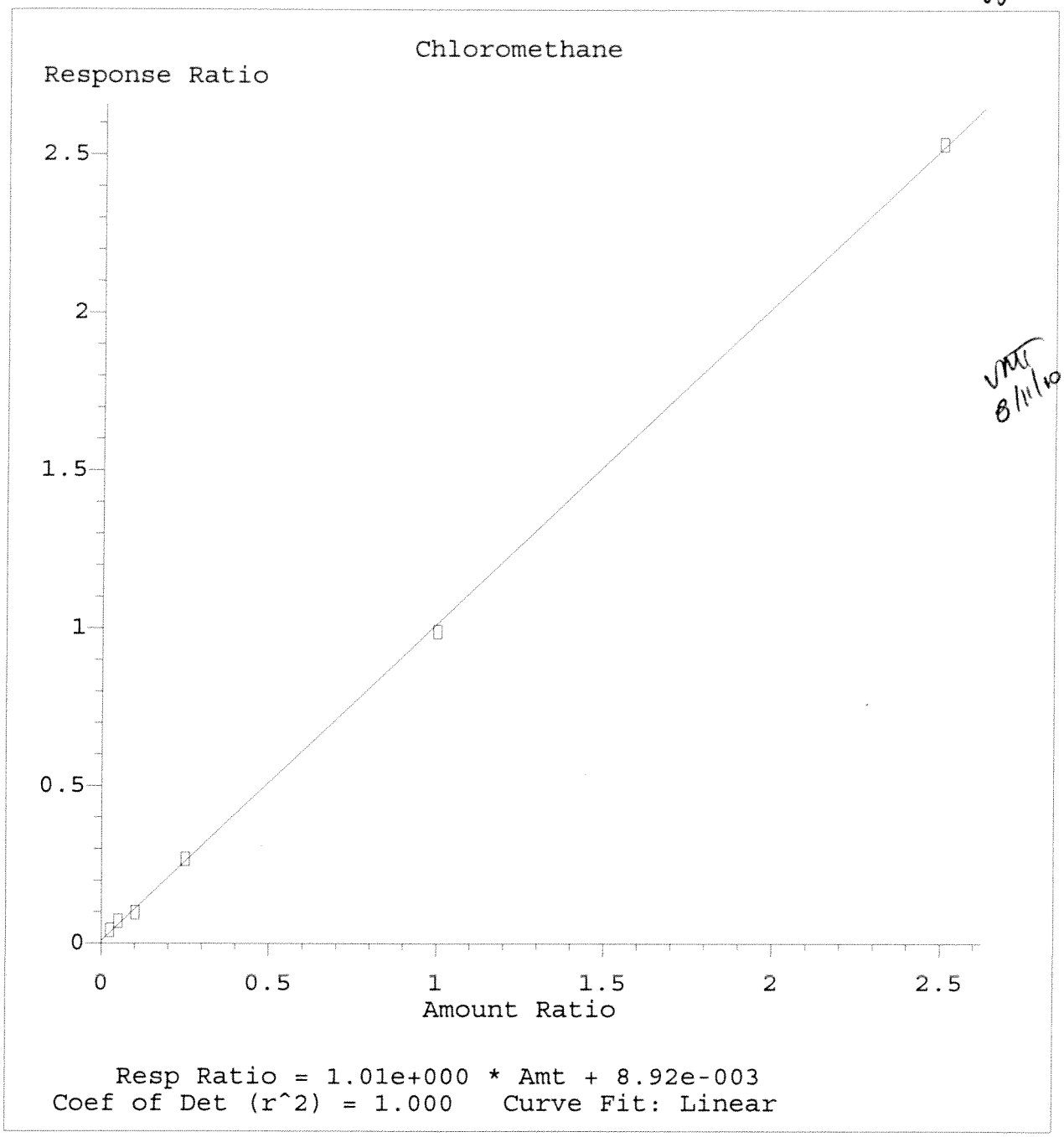
09/11/10

		Compound	1	2	5	20	50	100	Avg	%RSD
86)	TM	1,3-Dichlorobenzene	0.754	0.731	0.599	0.660	0.627	0.611	0.683	11.50
87)	I	1,4-Dichlorobenzene-d	----------	----------	----------	ISTD	----------	----------		
88)	TM	1,4-Dichlorobenzene	1.742	1.632	1.405	1.578	1.461	1.489	1.607	11.63
89)	TM	n-butylbenzene	3.415	3.118	2.755	3.100	2.864	2.925	3.130	10.95
90)	TM	1,2-Dichlorobenzene	1.596	1.500	1.275	1.447	1.331	1.334	1.444	9.44
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.305	0.237	0.198	0.186	0.182	0.177	0.214	~~22.99~~ L1.
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	1.187	1.128	1.000	1.130	1.008	0.971	1.102	10.41
95)	TM	Hexachlorobutadiene	0.626	0.574	0.469	0.547	0.489	0.489	0.547	12.35
96)	TM	Naphthalene	2.965	2.783	2.498	2.806	2.606	2.388	2.674	8.04
97)	TM	1,2,3-Trichlorobenz	1.120	0.980	0.874	1.005	0.921	0.842	0.977	10.84
98)	TM	1,3,5-Trichlorobenz	1.182	1.259	1.035	1.183	1.053	1.055	1.168	11.65

VMT 8/11/10

(#) = Out of Range ### Number of calibration levels exceeded format ###

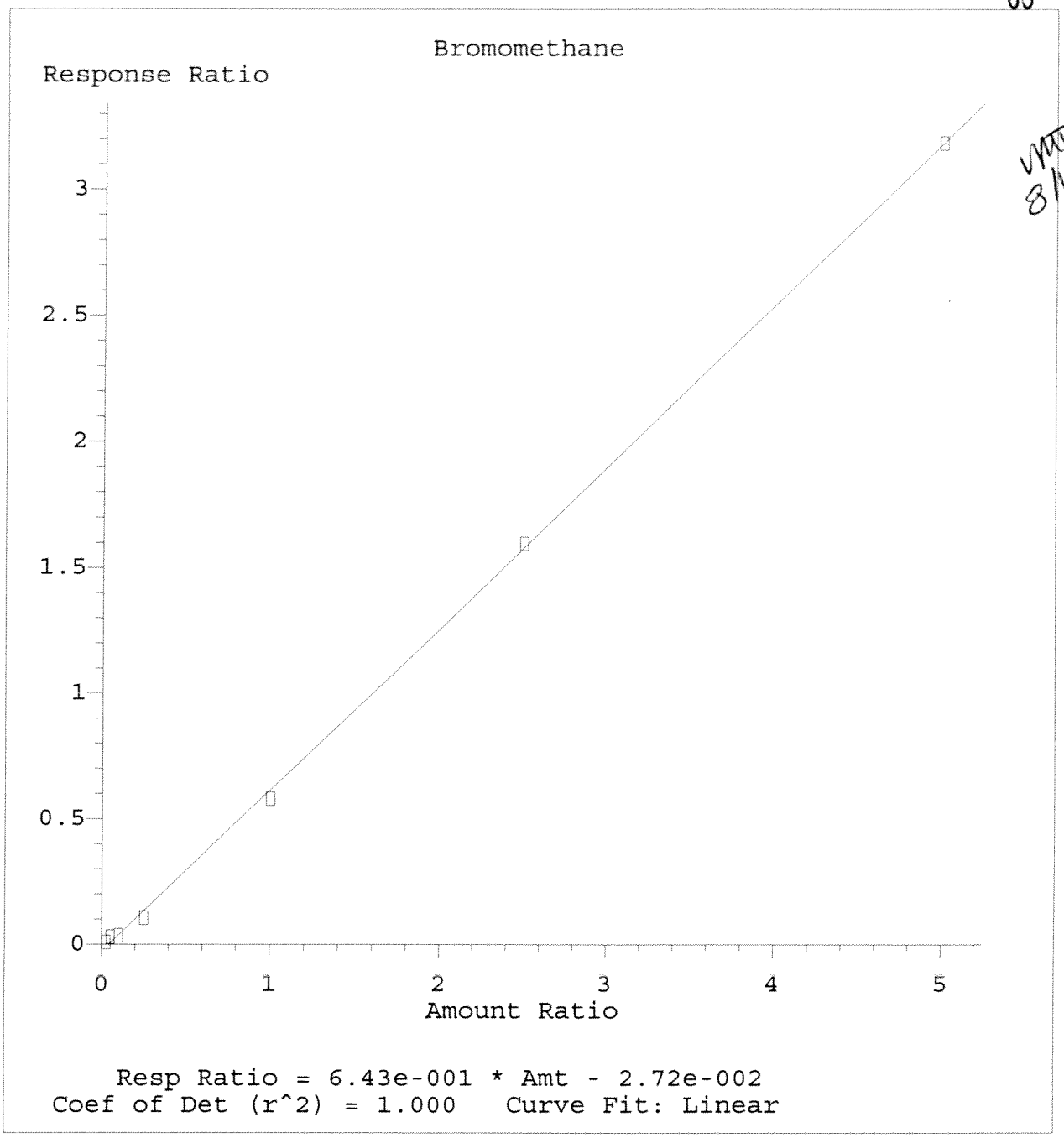
JL
08-11-10



VMS
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:07 2010

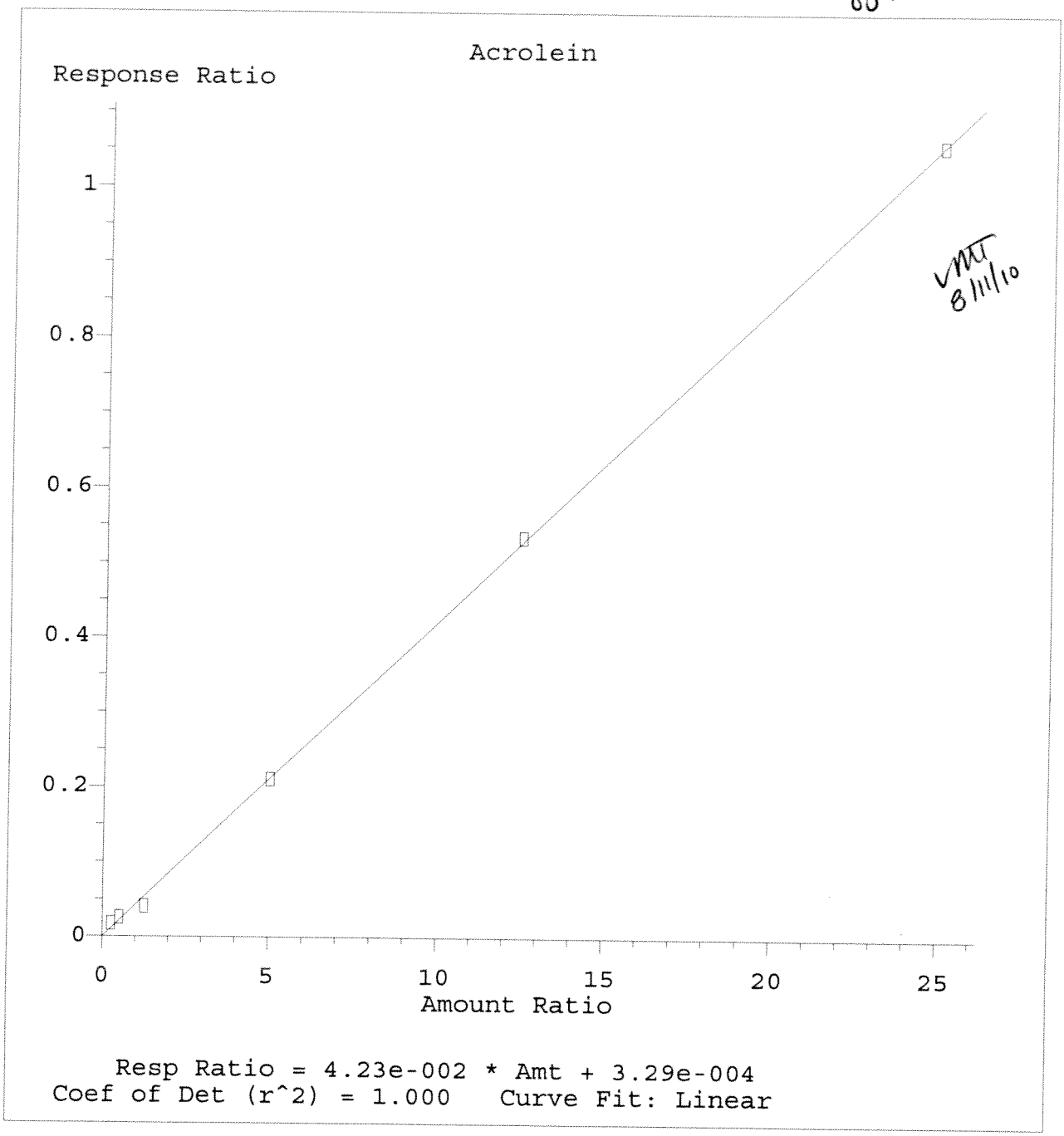
JL 08-11-10



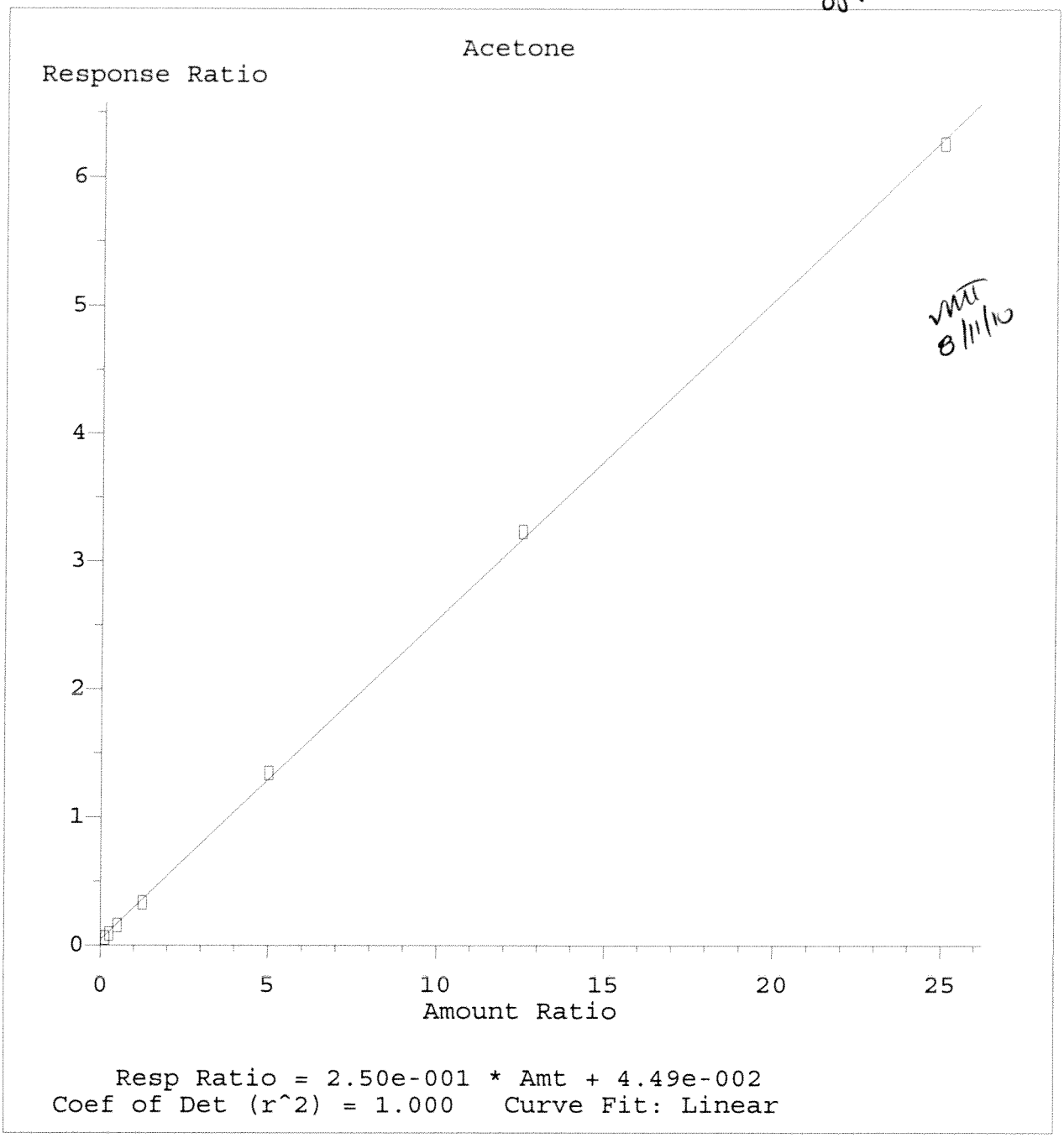
VMT 8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:59 2010

JL 08/11/10

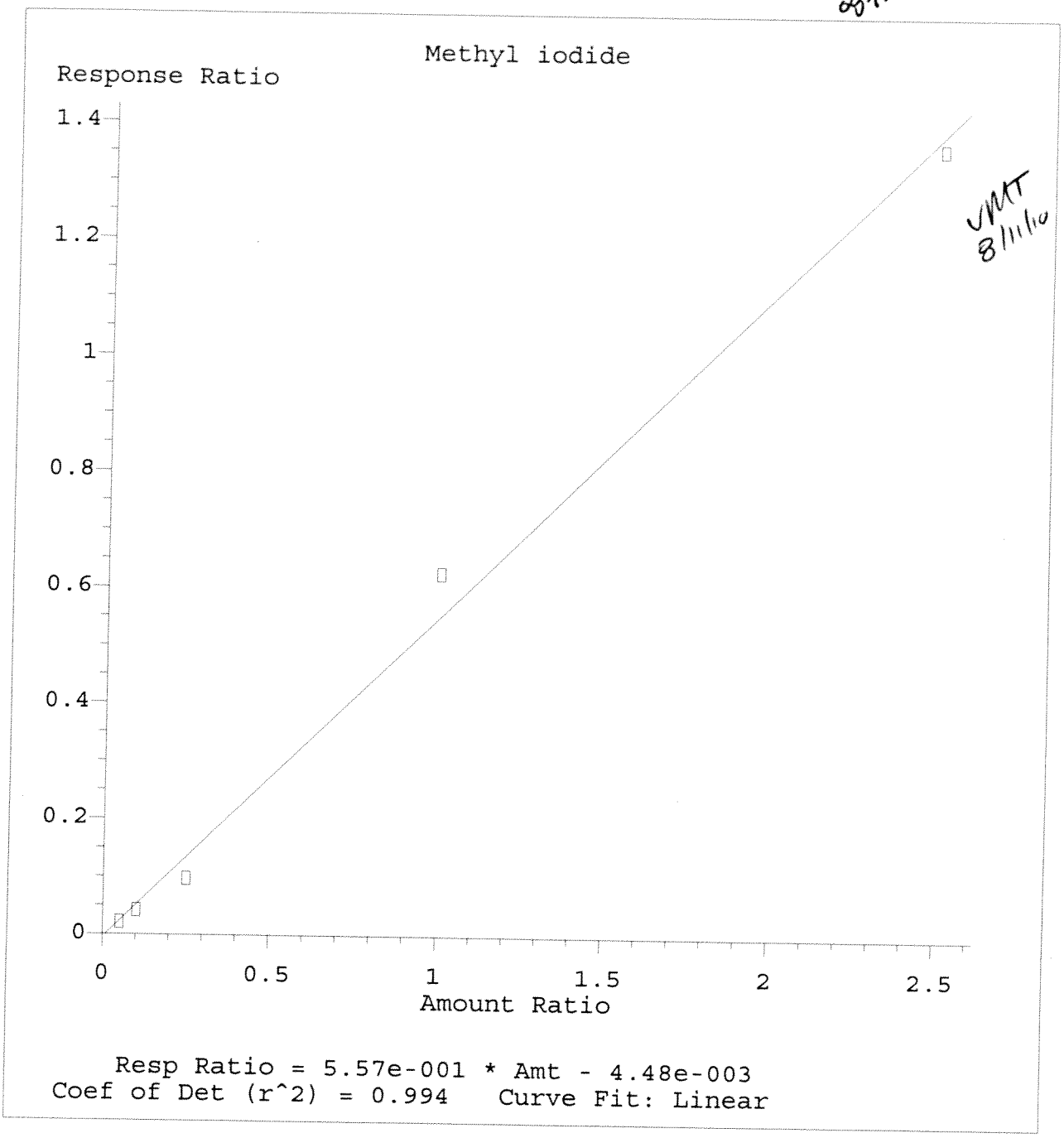


Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:01 2010



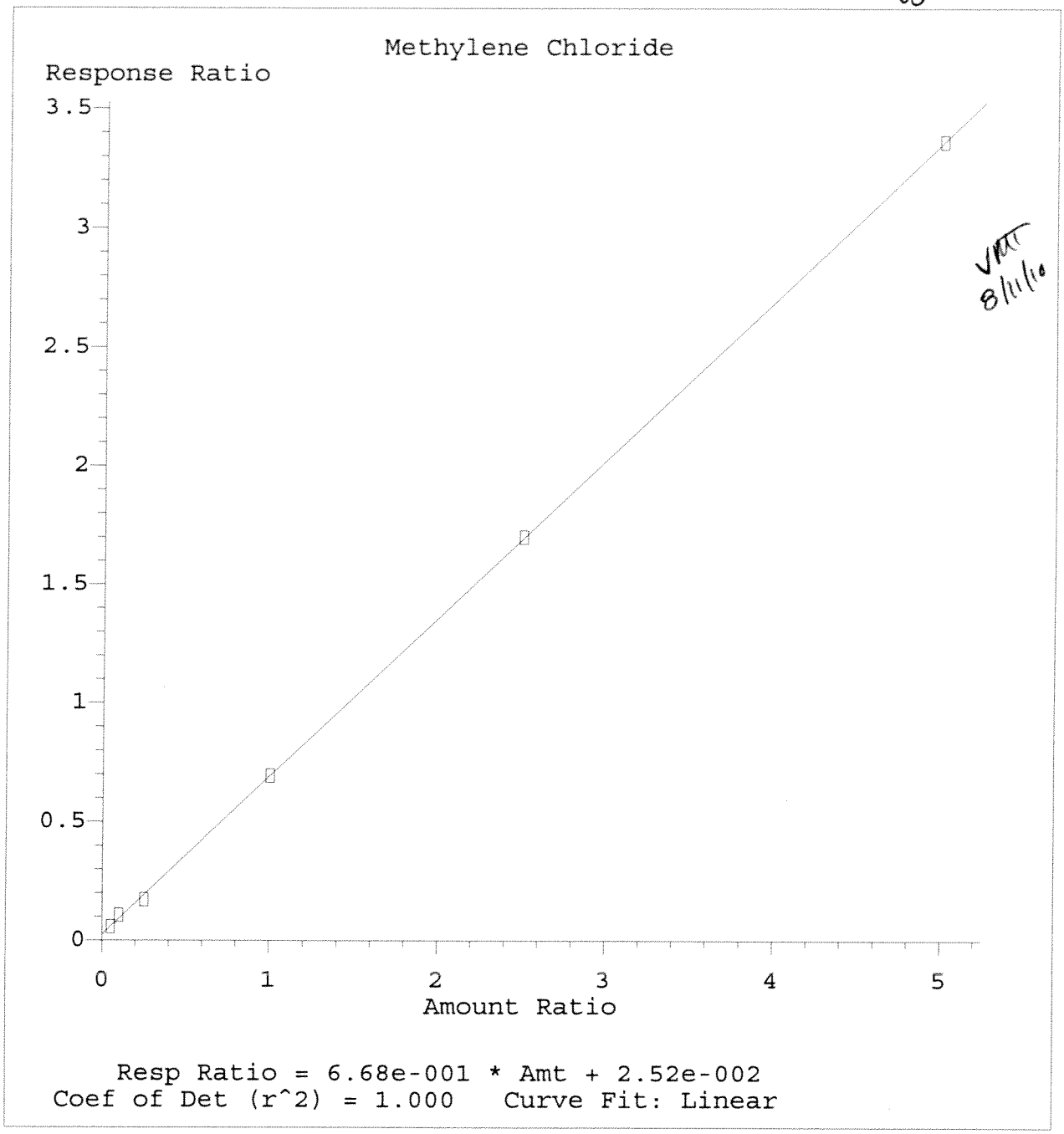
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:19 2010

JL 08/11/10



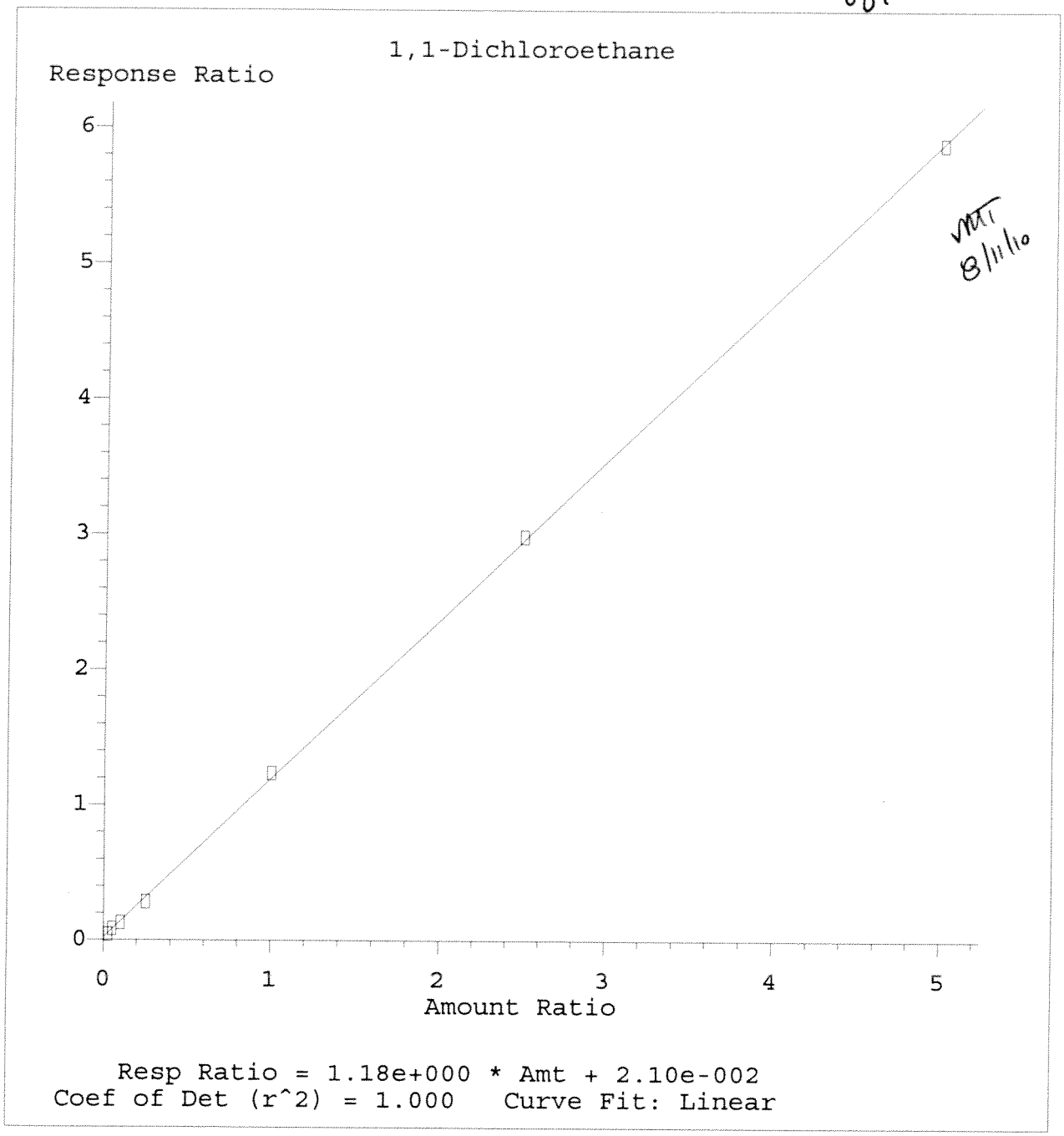
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:42:36 2010

JR
08-11-10



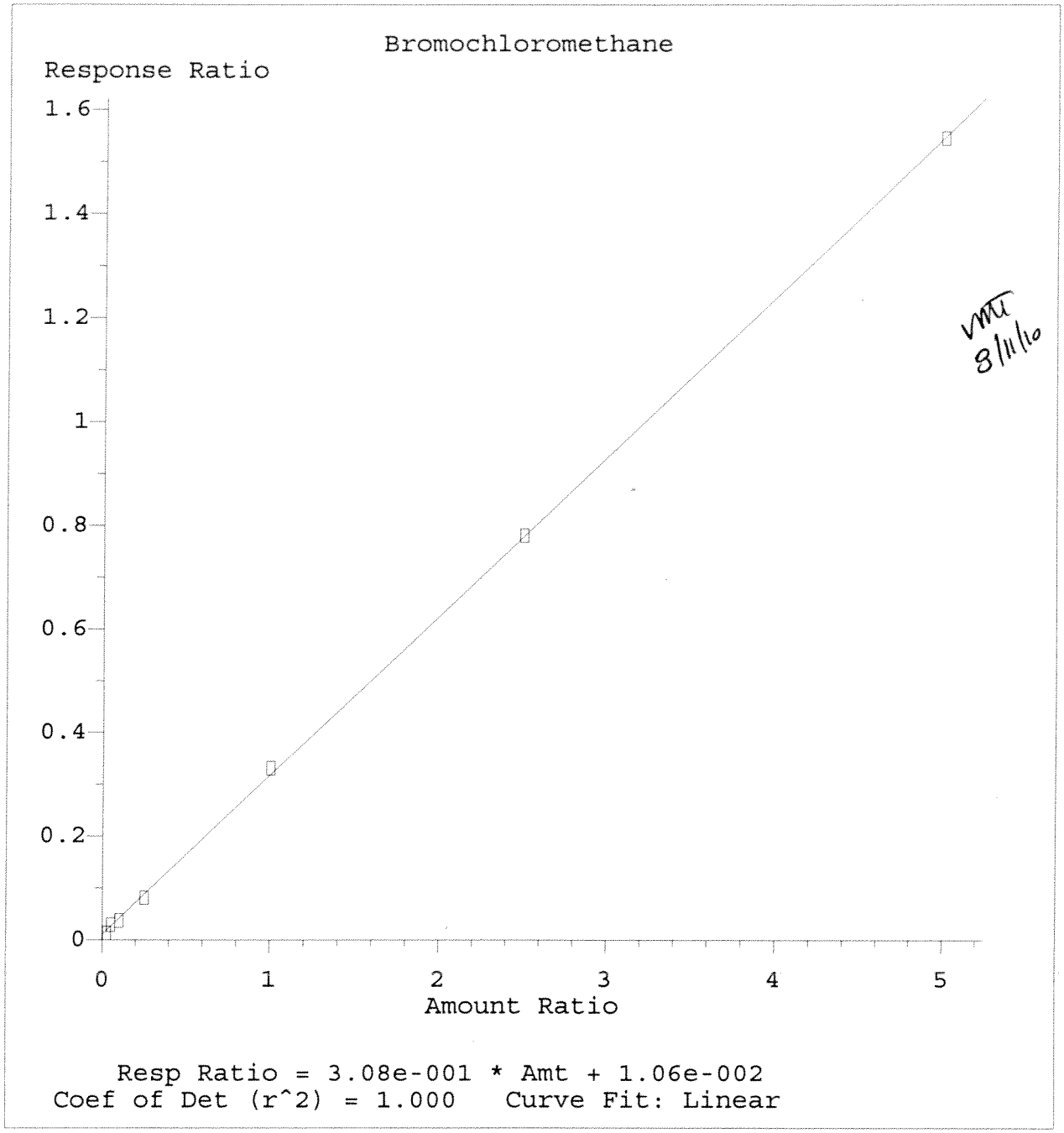
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:00:45 2010

CL
08/11/10



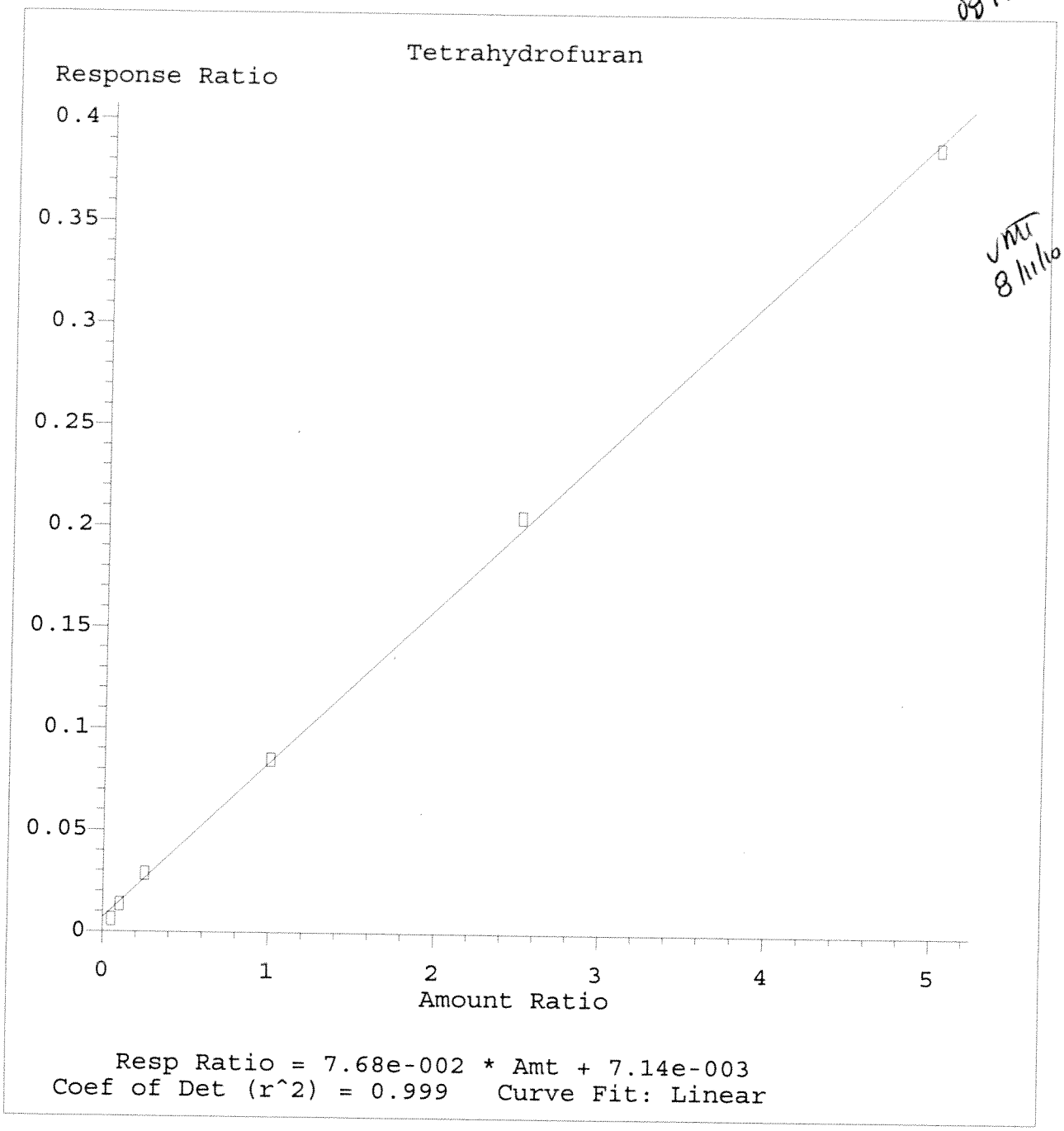
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:02:07 2010

UL
08.11.10



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:11:44 2010

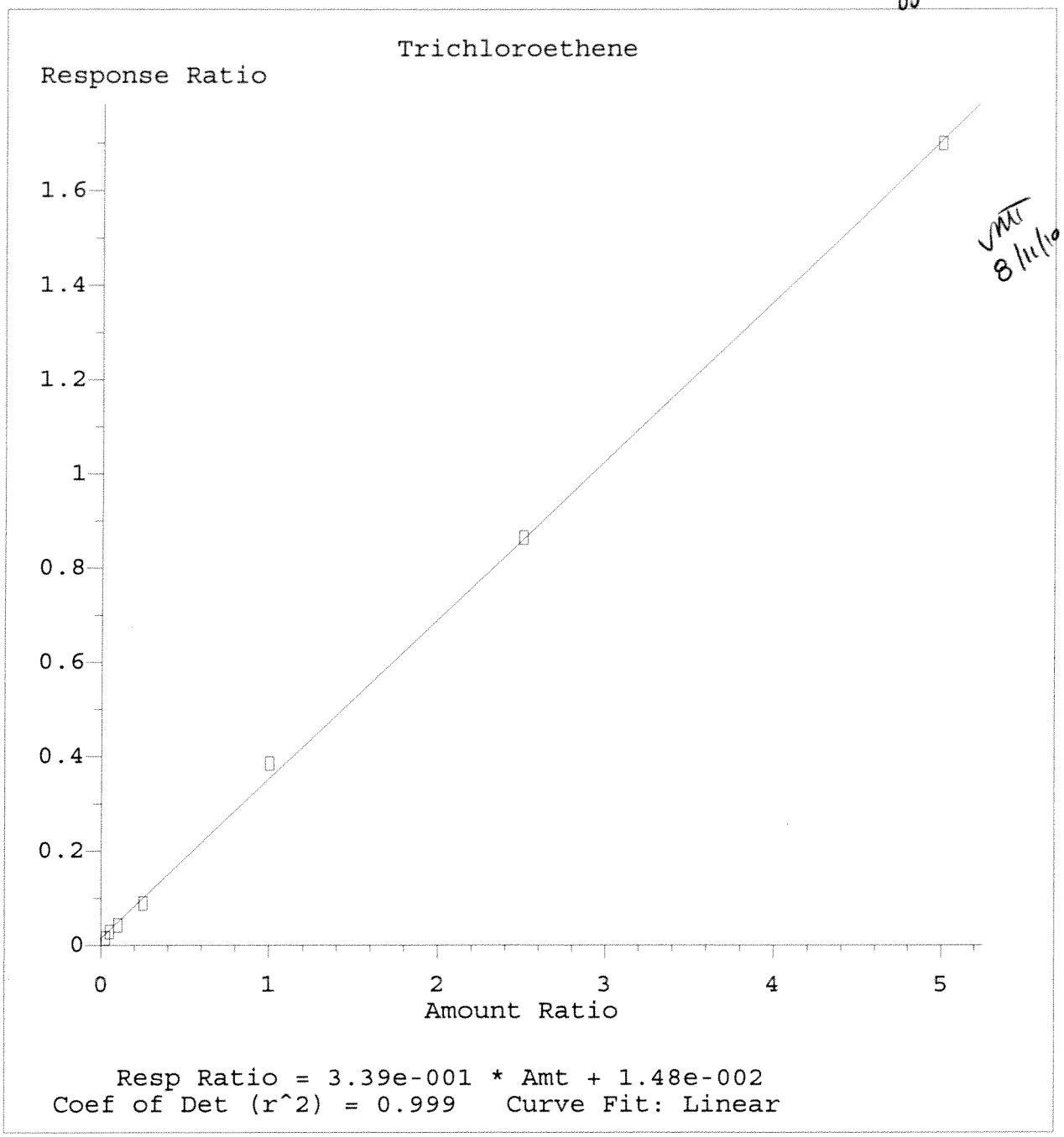
JL
08/11/10



VMT
8/11/10

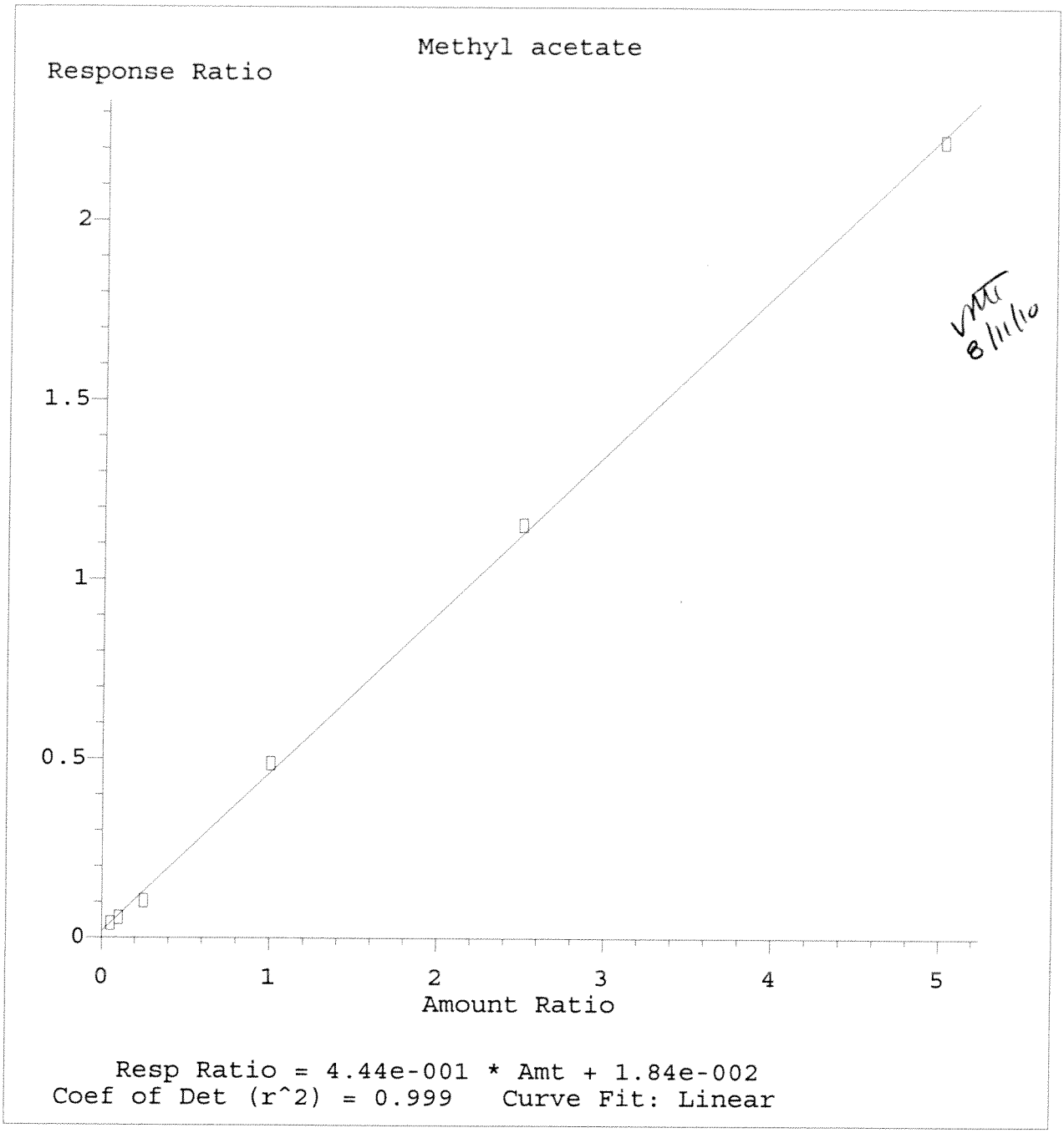
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:03:57 2010

JL
08-11-10



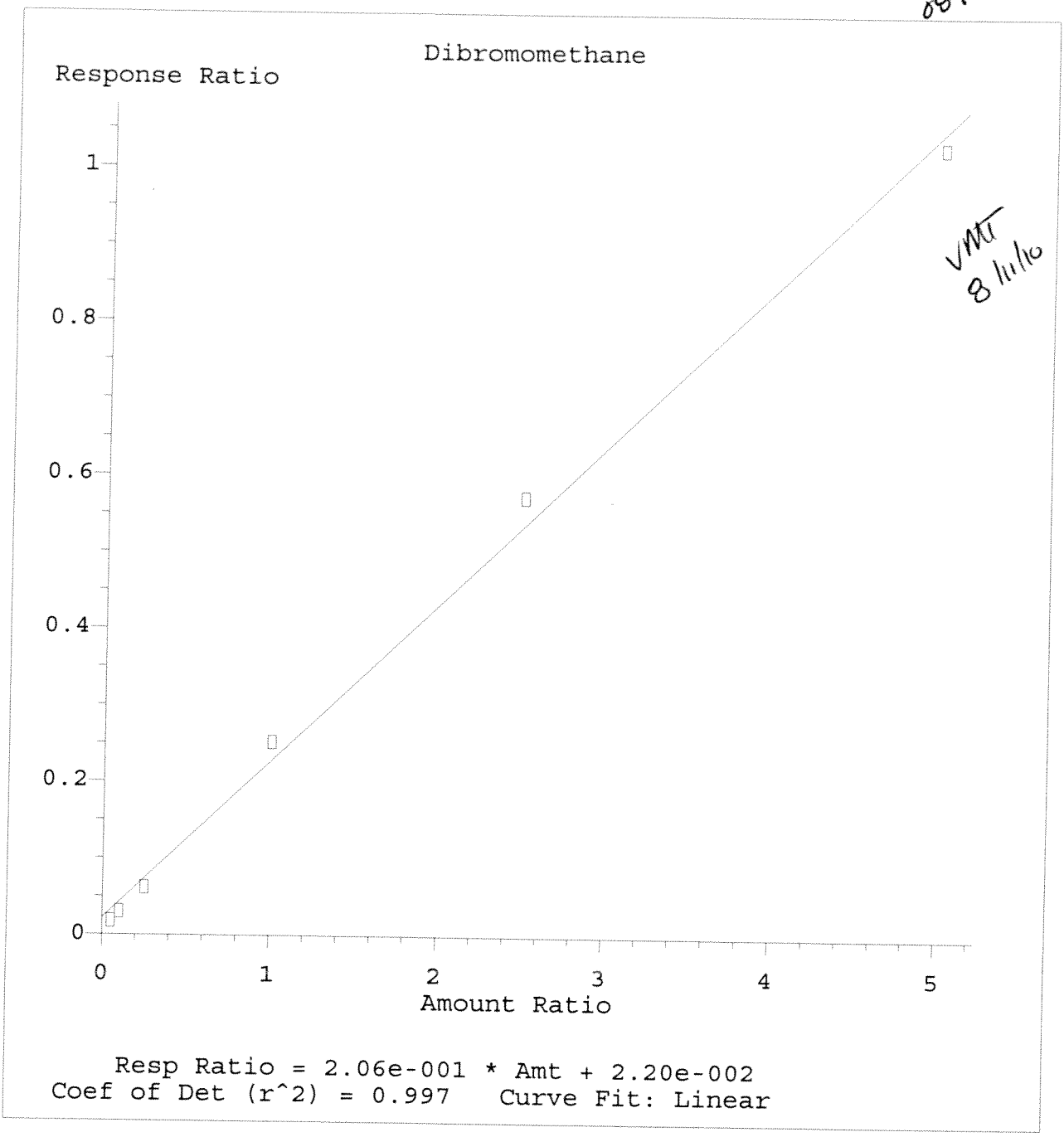
VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:02 2010

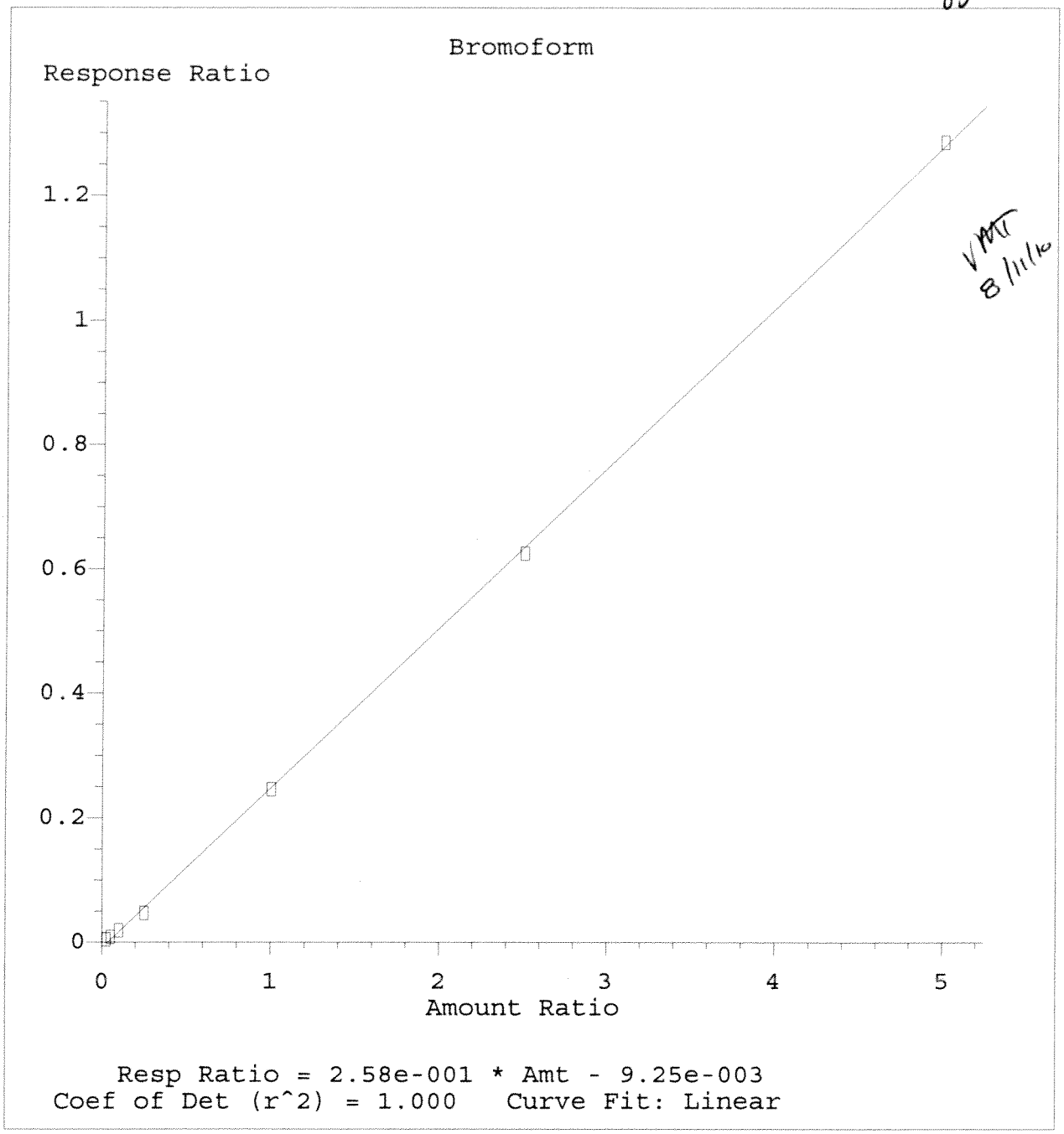


Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:39 2010

JL 08/11/10

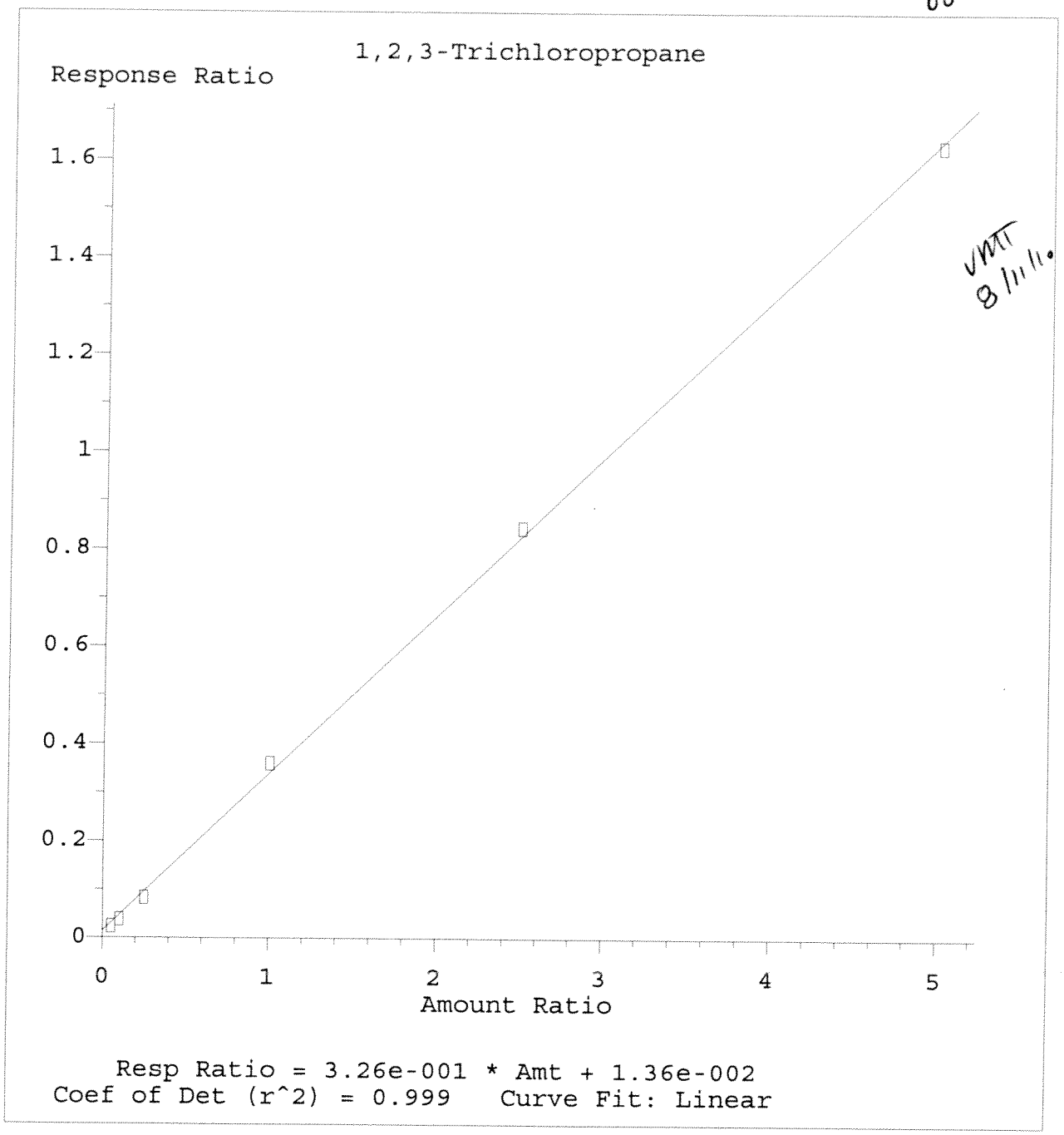


Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:06:08 2010



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:08:39 2010

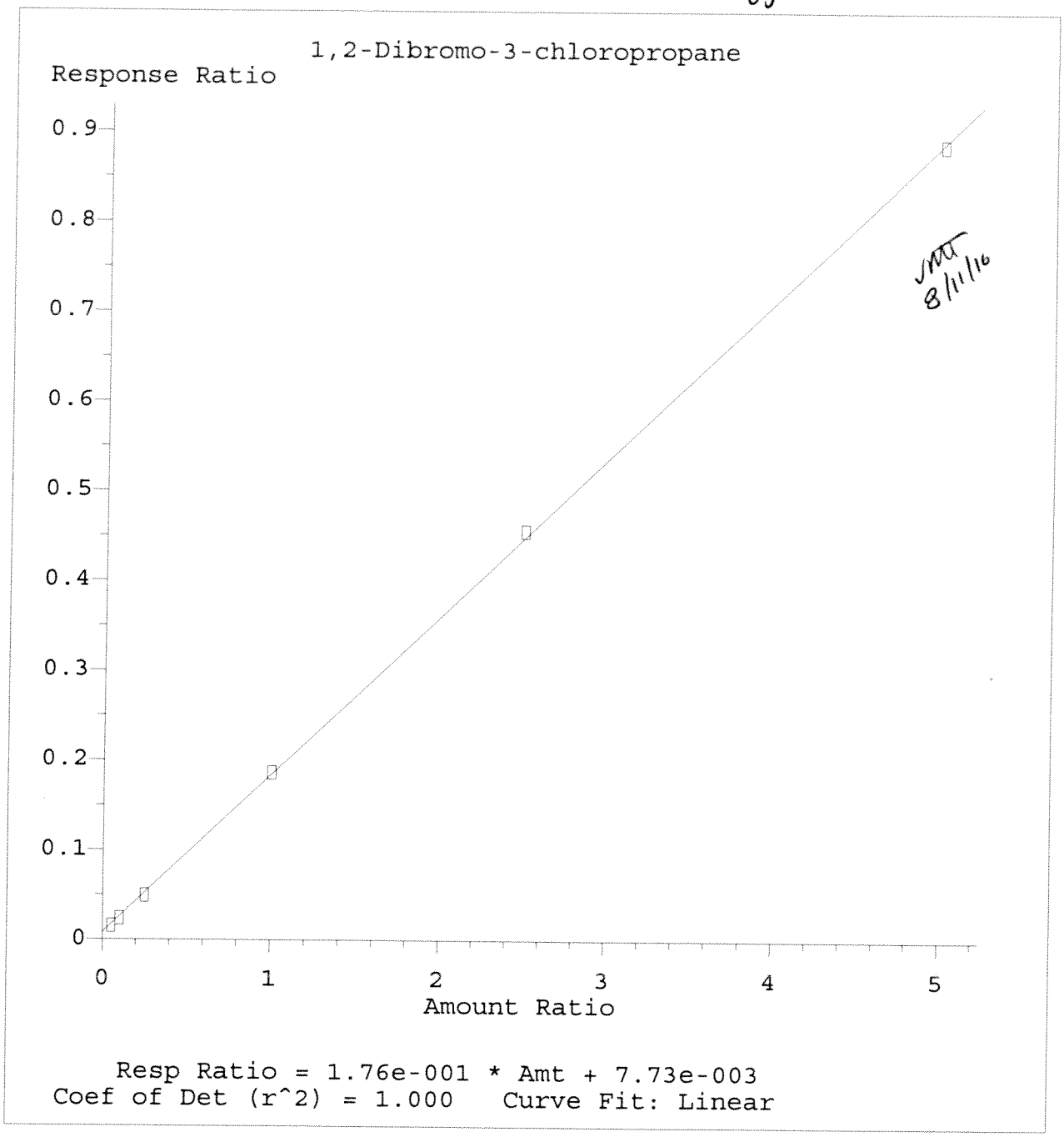
JR 08.11.10



VMT 8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:09:06 2010

JL 08/11/10



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:10:49 2010

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

JL 08-11-10

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	80	120	15	0.0	18	89		17	87		2	
Chloromethane	20	80	120	15	0.0	19	95		20	99		5	
Vinyl Chloride	20	80	120	15	0.0	19	95		19	94		1	
Bromomethane	20	80	120	15	0.0	20	100		21	103		3	
Chloroethane	20	80	120	15	0.0	17	84		19	95		12	
t-Butyl alcohol (TBA)	100	80	120	15	0.0	99	99		85	85		16	*
Trichlorofluoromethane	20	80	120	15	0.0	17	87		17	86		1	
Diethyl ether	20	80	120	15	0.0	20	102		21	106		4	
1,1,2-Trichlorotrifluoroethane	20	80	120	15	0.0	16	80		17	84		5	
Acetone	100	80	120	15	0.0	113	113		103	103		9	
1,1-Dichloroethene	20	80	120	15	0.0	18	91		17	85		6	
Methyl iodide	20	80	120	15	0.0	19	96		20	102		6	
Di-isopropyl ether (DIPE)	20	80	120	15	0.0	19	94		19	97		3	
Methylene Chloride	20	80	120	15	0.0	23	117		20	102		13	
Carbon Disulfide	20	80	120	15	0.0	19	94		19	97		4	
Acrylonitrile	20	80	120	15	0.0	22	109		21	105		4	
Methyl-tert-butyl ether (MTBE)	40	80	120	15	0.0	47	119		47	117		2	
trans-1,2-Dichloroethene	20	80	120	15	0.0	18	91		18	92		2	
1,1-Dichloroethane	20	80	120	15	0.0	19	95		19	96		2	
Vinyl acetate	20	80	120	15	0.0	15	74	*	15	76	*	3	
Methyl ethyl ketone	100	80	120	15	0.0	109	109		100	100		9	
Ethyl t-butyl ether (ETBE)	20	80	120	15	0.0	20	98		20	98		0	
2,2-Dichloropropane	20	80	120	15	0.0	18	92		17	87		5	
cis-1,2-Dichloroethene	20	80	120	15	0.0	19	96		19	96		0	
t-Amyl methyl ether (TAME)	20	80	120	15	0.0	20	98		19	95		3	
Chloroform	20	80	120	15	0.0	18	92		19	93		1	
Bromochloromethane	20	80	120	15	0.0	21	103		20	99		4	
Tetrahydrofuran	20	80	120	15	0.0	23	113		21	105		7	
1,1,1-Trichloroethane	20	80	120	15	0.0	19	97		19	97		0	
1,1-Dichloropropene	20	80	120	15	0.0	18	91		19	93		2	
Carbon Tetrachloride	20	80	120	15	0.0	23	114		22	108		6	
1,2-Dichloroethane	20	80	120	15	0.0	20	98		20	100		1	
Benzene	20	80	120	15	0.0	18	89		19	93		4	
Trichloroethene	20	80	120	15	0.0	20	98		19	97		1	
1,2-Dichloropropane	20	80	120	15	0.0	19	97		20	99		2	
Methylmethacrylate	20	80	120	15	0.0	21	105		19	95		11	
Bromodichloromethane	20	80	120	15	0.0	21	104		20	98		6	
Dibromomethane	20	80	120	15	0.0	21	107		19	97		9	
1,4-Dioxane	500	80	120	15	0.0	527	105		458	92		14	
2-Hexanone	100	80	120	15	0.0	113	113		105	105		8	
Methyl isobutyl ketone	100	80	120	15	0.0	111	111		104	104		6	
cis-1,3-Dichloropropene	20	80	120	15	0.0	21	103		20	99		3	
Toluene	20	80	120	15	0.0	19	97		20	98		1	
trans-1,3-Dichloropropene	20	80	120	15	0.0	18	91		17	87		4	
1,1,2-Trichloroethane	20	80	120	15	0.0	21	105		20	101		4	
1,3-Dichloropropane	20	80	120	15	0.0	19	96		19	95		2	
Tetrachloroethene	20	80	120	15	0.0	22	110		22	111		1	
Dibromochloromethane	20	80	120	15	0.0	19	95		19	96		1	
1,2-Dibromoethane	20	80	120	15	0.0	20	98		19	95		3	

JOIZIW

VOA FORM 3

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

OK
08-11-1.

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Chlorobenzene	20	80	120	15	0.0	18	92		19	94		2	
1,1,1,2-Tetrachloroethane	20	80	120	15	0.0	19	95		19	96		1	
Ethylbenzene	20	80	120	15	0.0	19	93		19	95		2	
m,p-Xylene	40	80	120	15	0.0	37	92		38	95		3	
o-Xylene	20	80	120	15	0.0	19	93		19	95		2	
Styrene	20	80	120	15	0.0	19	95		19	96		1	
Bromoform	20	80	120	15	0.0	19	97		20	99		2	
Isopropylbenzene	20	80	120	15	0.0	16	82		17	83		2	
1,1,2,2-Tetrachloroethane	20	80	120	15	0.0	19	97		19	96		0	
1,2,3-Trichloropropane	20	80	120	15	0.0	21	105		21	103		2	
trans-1,4-Dichloro-2-butene	20	80	120	15	0.0	20	100		20	99		1	
n-Propylbenzene	20	80	120	15	0.0	18	92		19	93		1	
Bromobenzene	20	80	120	15	0.0	19	94		19	97		3	
1,3,5-Trimethylbenzene	20	80	120	15	0.0	19	95		20	98		3	
2-Chlorotoluene	20	80	120	15	0.0	20	98		20	99		1	
4-Chlorotoluene	20	80	120	15	0.0	19	95		19	97		2	
tert-butylbenzene	20	80	120	15	0.0	18	92		19	95		3	
1,2,4-Trimethylbenzene	20	80	120	15	0.0	18	90		19	93		3	
sec-butylbenzene	20	80	120	15	0.0	18	91		19	96		5	
p-isopropyltoluene	20	80	120	15	0.0	18	88		18	91		4	
1,3-Dichlorobenzene	20	80	120	15	0.0	19	93		19	95		2	
1,4-Dichlorobenzene	20	80	120	15	0.0	18	92		19	94		3	
n-butylbenzene	20	80	120	15	0.0	18	91		19	97		7	
1,2-Dichlorobenzene	20	80	120	15	0.0	19	93		20	98		5	
1,2-Dibromo-3-chloropropane	20	80	120	15	0.0	22	108		21	104		4	
1,2,4-Trichlorobenzene	20	80	120	15	0.0	18	91		19	95		4	
Hexachlorobutadiene	20	80	120	15	0.0	18	91		19	97		6	
Naphthalene	20	80	120	15	0.0	21	104		21	104		0	
1,2,3-Trichlorobenzene	20	80	120	15	0.0	20	98		20	102		3	
1,3,5-Trichlorobenzene	20	80	120	15	0.0	18	91		19	97		6	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

381210

VOA FORM 3

Response Factor Report Instrumen

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration

Calibration Files
1 =B74536SI.D 2 =B74537SI.D 5 =B74538SI.D
20 =B74539SI.D 50 =B74540SI.D 100 =B74541SI.D

TM 10/19/10

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	TM	Dichlorodifluoromet	1.026	1.019	0.965	1.048	1.050	1.052	1.034	3.10
3)	TMP	Chloromethane	1.226	1.084	1.052	1.103	1.085	1.042	1.131✓	9.21
4)	TMC	Vinyl Chloride	0.821	0.730	0.703	0.746	0.804	0.819	0.803	13.33#✓
5)	TM	Bromomethane	0.686	0.705	0.563	0.263	0.225	0.218	0.527	~~47.70~~ Lin
6)	TM	Chloroethane	0.329	0.305	0.264	0.249			0.323	~~21.46~~ Lin
7)	TM	t-Butyl alcohol (TB	0.069	0.059	0.064	0.066	0.059	0.068	0.066#	8.10
8)	TM	Trichlorofluorometh	0.929	0.883	0.873	0.924	0.892	0.753	0.909	9.16
9)	TM	Diethyl ether	0.300	0.311	0.296	0.319	0.307	0.289	0.300	8.91
10)	TM	1,1,2-Trichlorotrif	0.564	0.600	0.533	0.596	0.597	0.556	0.574	4.31
11)	T	Acrolein	0.091	0.090	0.089	0.094	0.091	0.092	0.094#	9.77
12)	TM	Acetone	0.265	0.230	0.228	0.223	0.204	0.205	0.226	9.85
13)	TMC	1,1-Dichloroethene	0.619	0.578	0.549	0.598	0.590	0.550	0.593	8.86#✓
14)	TM	Methyl iodide	0.918	0.859	0.834	0.884	0.867	0.785	0.878	7.78
15)	TM	Di-isopropyl ether	2.563	2.565	2.434	2.620	2.469	2.357	2.561	6.16
16)	TM	Methylene Chloride	1.150	0.931	0.804	0.825	0.794	0.765	1.128	~~48.03~~ Lin
17)	TM	Carbon Disulfide	1.860	1.811	1.713	1.886	1.832	1.699	1.899	11.55
18)	TM	Acrylonitrile	0.277	0.258	0.251	0.279	0.261	0.261	0.254	8.53
19)	TM	Methyl-tert-butyl e	1.722	1.686	1.631	1.769	1.709	1.658	1.725	4.07
20)	TM	trans-1,2-Dichloroe	0.730	0.711	0.662	0.729	0.720	0.688	0.728	7.27
21)	TMP	1,1-Dichloroethane	1.059	1.045	0.984	1.059	1.045	0.983	1.068✓	9.02
22)	TM	Vinyl acetate	0.070	0.091	0.105	0.118	0.123	0.123	0.096#	~~32.50~~ Lin
23)	TM	Methyl ethyl ketone	0.386	0.375	0.382	0.407	0.372	0.377	0.400	10.72
24)	TM	Ethyl t-butyl ether	1.833	1.849	1.829	1.969	1.935	1.856	1.894	4.04
25)	TM	2,2-Dichloropropane	0.860	0.827	0.805	0.841	0.821	0.778	0.858	11.24
26)	TM	cis-1,2-Dichloroeth	0.791	0.800	0.762	0.815	0.806	0.777	0.824	10.95
27)	TM	t-Amyl methyl ether	1.738	1.735	1.650	1.817	1.747	1.718	1.756	4.62
28)	S	DB HOLDER #28	0.863	0.849	0.861	0.839	0.818	0.788	0.838	2.97
29)	TMC	Chloroform	1.274	1.281	1.222	1.335	1.294	1.225	1.296	7.33#✓
30)	TM	Bromochloromethane	0.318	0.324	0.307	0.346	0.334	0.325	0.319	5.45
31)	TM	Tetrahydrofuran	0.056	0.068	0.073	0.078	0.072	0.074	0.069#	10.62
32)	TM	1,1,1-Trichloroetha	0.936	0.913	0.888	0.979	0.962	0.920	0.958	7.49
33)	T	Ethanol	0.008	0.007	0.007	0.007	0.007		0.009#	~~35.84~~ Lin
34)	TM	1,1-Dichloropropene	0.842	0.840	0.777	0.872	0.838	0.795	0.840	4.53
35)	TM	Carbon Tetrachlorid	0.582	0.626	0.593	0.666	0.674	0.669	0.641	7.89
36)	S	d4-1,2-Dichloroetha	0.863	0.849	0.861	0.839	0.818	0.788	0.838	2.97
37)	TM	1,2-Dichloroethane	0.833	0.850	0.823	0.866	0.813	0.758	0.850	7.00
38)	TM	Benzene	2.521	2.464	2.357	2.531	2.487	2.402	2.554	10.32
39)	I	1,4-Difluorobenzene	----------ISTD----------							
40)	TM	Trichloroethene	0.305	0.298	0.270	0.299	0.297	0.287	0.299	7.18
41)	TMC	1,2-Dichloropropane	0.236	0.250	0.246	0.255	0.247	0.238	0.251	7.65#✓
42)	TM	Methylmethacrylate	0.164	0.165	0.169	0.180	0.171	0.172	0.176	11.25
43)	T	Methyl acetate	0.290	0.272	0.268	0.282	0.260	0.260	0.271	4.28
44)	T	Cyclohexane	0.542	0.424	0.322	0.315	0.299	0.288	0.427	~~43.90~~ Lin
45)	TM	Bromodichloromethan	0.379	0.389	0.362	0.397	0.394	0.384	0.387	3.67
46)	TM	Dibromomethane	0.234	0.252	0.237	0.259	0.253	0.248	0.245	3.81
47)	TM	1,4-Dioxane	0.004	0.003	0.004	0.004	0.004	0.004	0.004#	12.23
48)	T	Methylcyclohexane	0.245	0.268	0.235	0.265	0.262	0.259	0.257	5.12
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl			0.002	0.001	0.001	0.001	0.001#	~~42.39~~
51)	TM	2-Hexanone	0.092	0.093	0.100	0.106	0.098	0.105	0.100	6.73
52)	TM	Methyl isobutyl ket	0.095	0.098	0.102	0.109	0.103	0.109	0.105	7.00
53)	TM	cis-1,3-Dichloropro	0.369	0.403	0.379	0.422	0.415	0.408	0.404	6.47
54)	S	d8-Toluene	1.169	1.195	1.163	1.176	1.183	1.194	1.176	1.19
55)	TMC	Toluene	0.592	0.603	0.569	0.623	0.618	0.604	0.625	9.45#✓

VMT 10/19/10

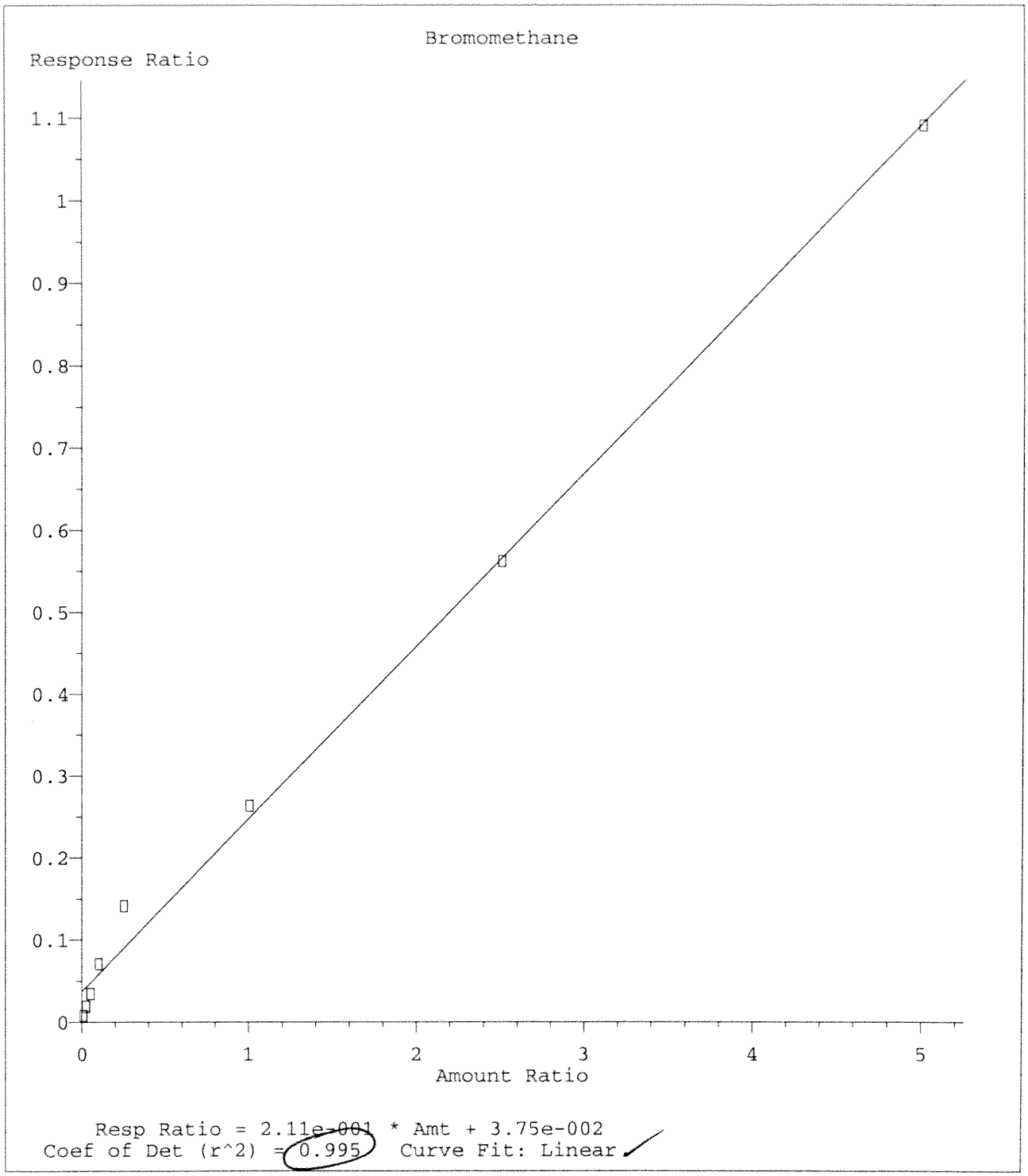
(#) = Out of Range ### Number of calibration levels exceeded format ###
V810180B.M Tue Oct 19 07:41:00 2010

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration

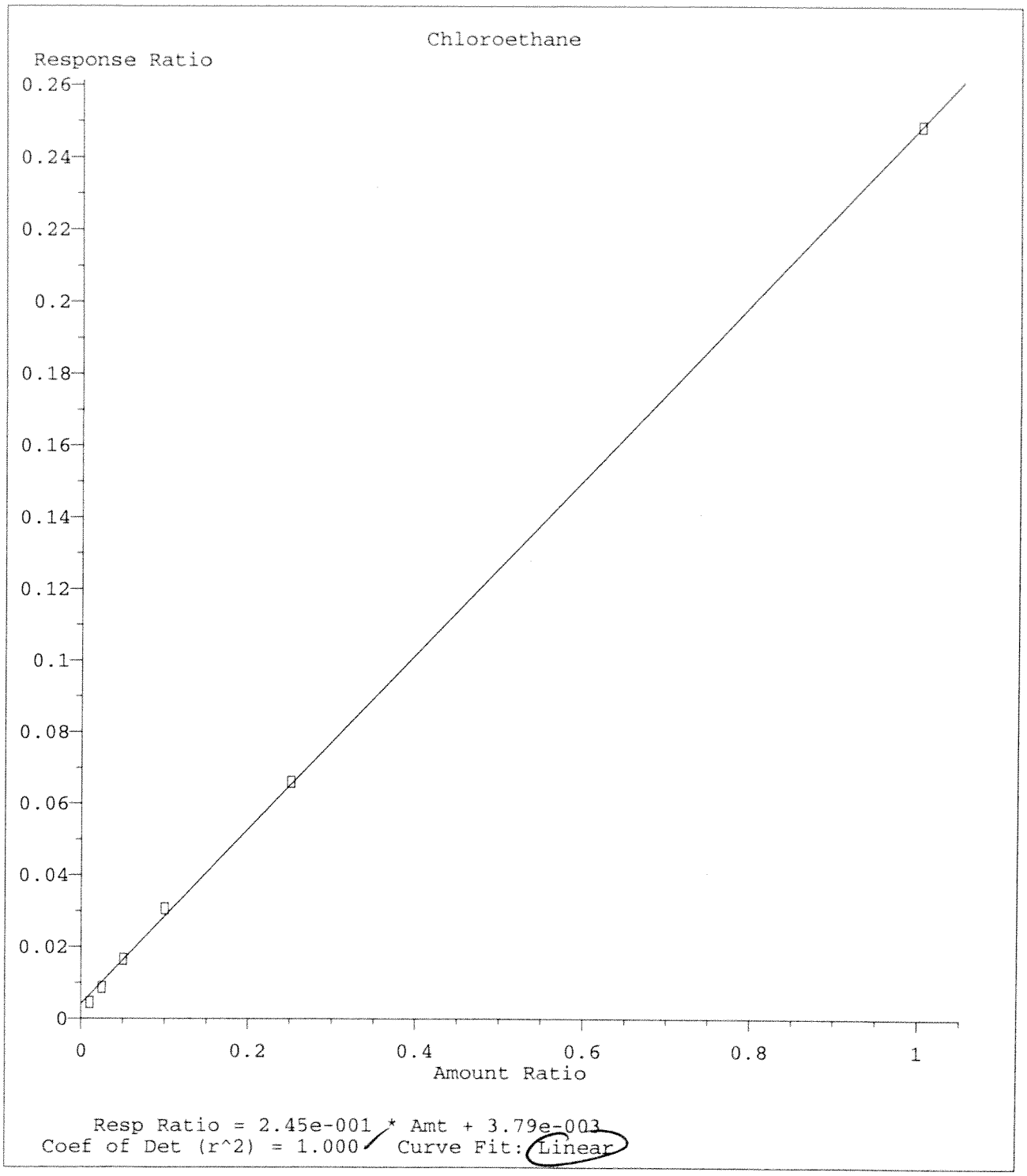
Calibration Files
1 =B74536SI.D 2 =B74537SI.D 5 =B74538SI.D
20 =B74539SI.D 50 =B74540SI.D 100 =B74541SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
56)	TM	trans-1,3-Dichlorop	0.359	0.374	0.352	0.399	0.390	0.384	0.379	4.63
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.244	0.234	0.233	0.247	0.240	0.238	0.237	3.83
59)	TM	1,3-Dichloropropane	0.394	0.399	0.394	0.431	0.409	0.401	0.418	9.68
60)	TM	Tetrachloroethene	0.160	0.169	0.155	0.175	0.170	0.169	0.169	6.12
61)	TM	Dibromochloromethan	0.220	0.236	0.220	0.251	0.247	0.253	0.233	6.57
62)	TM	1,2-Dibromoethane	0.293	0.315	0.309	0.336	0.324	0.327	0.313	4.78
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	0.793	0.821	0.774	0.826	0.803	0.786	0.831✓	9.71
65)	TM	1,1,1,2-Tetrachloro	0.200	0.196	0.185	0.209	0.206	0.207	0.200	4.45
66)	TMC	Ethylbenzene	1.250	1.281	1.202	1.328	1.305	1.245	1.319	10.39#✓
67)	TM	m,p-Xylene	0.445	0.441	0.434	0.459	0.454	0.434	0.461	9.35
68)	TM	o-Xylene	0.437	0.445	0.418	0.465	0.461	0.441	0.462	8.06
69)	TM	Styrene	0.757	0.746	0.736	0.835	0.826	0.794	0.784	5.42
70)	TMP	Bromoform	0.143	0.145	0.157	0.176	0.176	0.186	0.161✓	10.29
71)	TM	Isopropylbenzene	0.960	0.987	0.926	1.027	1.010	0.989	1.015	10.14
72)	TMP	1,1,2,2-Tetrachloro	0.434	0.452	0.447	0.470	0.455	0.470	0.457✓	2.91
73)	S	Bromofluorobenzene	0.557	0.549	0.552	0.557	0.542	0.550	0.550	0.90
74)	TM	1,2,3-Trichloroprop	0.419	0.404	0.406	0.448	0.420	0.434	0.435	8.12
75)	TM	trans-1,4-Dichloro-	0.074	0.067	0.077	0.088	0.085	0.091	0.079#	12.03
76)	TM	n-Propylbenzene	1.201	1.215	1.178	1.266	1.274	1.231	1.275	10.77
77)	TM	Bromobenzene	0.242	0.246	0.220	0.236	0.238	0.234	0.243	8.27
78)	TM	1,3,5-Trimethylbenz	0.748	0.748	0.730	0.783	0.806	0.782	0.784	8.66
79)	TM	2-Chlorotoluene	0.808	0.817	0.770	0.825	0.824	0.791	0.804	2.52
80)	TM	4-Chlorotoluene	0.952	0.953	0.901	0.957	0.972	0.929	0.984	10.59
81)	TM	tert-butylbenzene	0.669	0.655	0.626	0.702	0.720	0.717	0.698	8.47
82)	TM	1,2,4-Trimethylbenz	0.806	0.815	0.789	0.850	0.850	0.841	0.861	10.93
83)	T	Diisobutylketone	0.635	0.674	0.660	0.725	0.663	0.570	0.653	6.87
84)	TM	sec-butylbenzene	0.851	0.847	0.799	0.886	0.880	0.865	0.886	9.61
85)	TM	p-isopropyltoluene	0.556	0.606	0.548	0.629	0.639	0.634	0.619	10.73
86)	TM	1,3-Dichlorobenzene	0.380	0.372	0.345	0.385	0.383	0.383	0.392	12.45
87)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
88)	TM	1,4-Dichlorobenzene	1.183	1.140	1.085	1.118	1.100	1.062	1.170	10.48
89)	TM	n-butylbenzene	1.806	1.844	1.795	1.966	2.029	1.893	1.898	4.65
90)	TM	1,2-Dichlorobenzene	1.100	1.044	0.996	1.057	1.055	1.020	1.056	4.15
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.176	0.170	0.183	0.180	0.172	0.186	0.168	12.70
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	0.534	0.498	0.511	0.544	0.541	0.573	0.542	6.00
95)	TM	Hexachlorobutadiene	0.207	0.186	0.171	0.171	0.180	0.184	0.188	9.63
96)	TM	Naphthalene	1.681	1.595	1.728	1.888	1.843	1.959	1.815	10.10
97)	TM	1,2,3-Trichlorobenz	0.503	0.455	0.489	0.492	0.493	0.515	0.508	8.71
98)	TM	1,3,5-Trichlorobenz	0.564	0.530	0.517	0.553	0.562	0.565	0.584	13.93

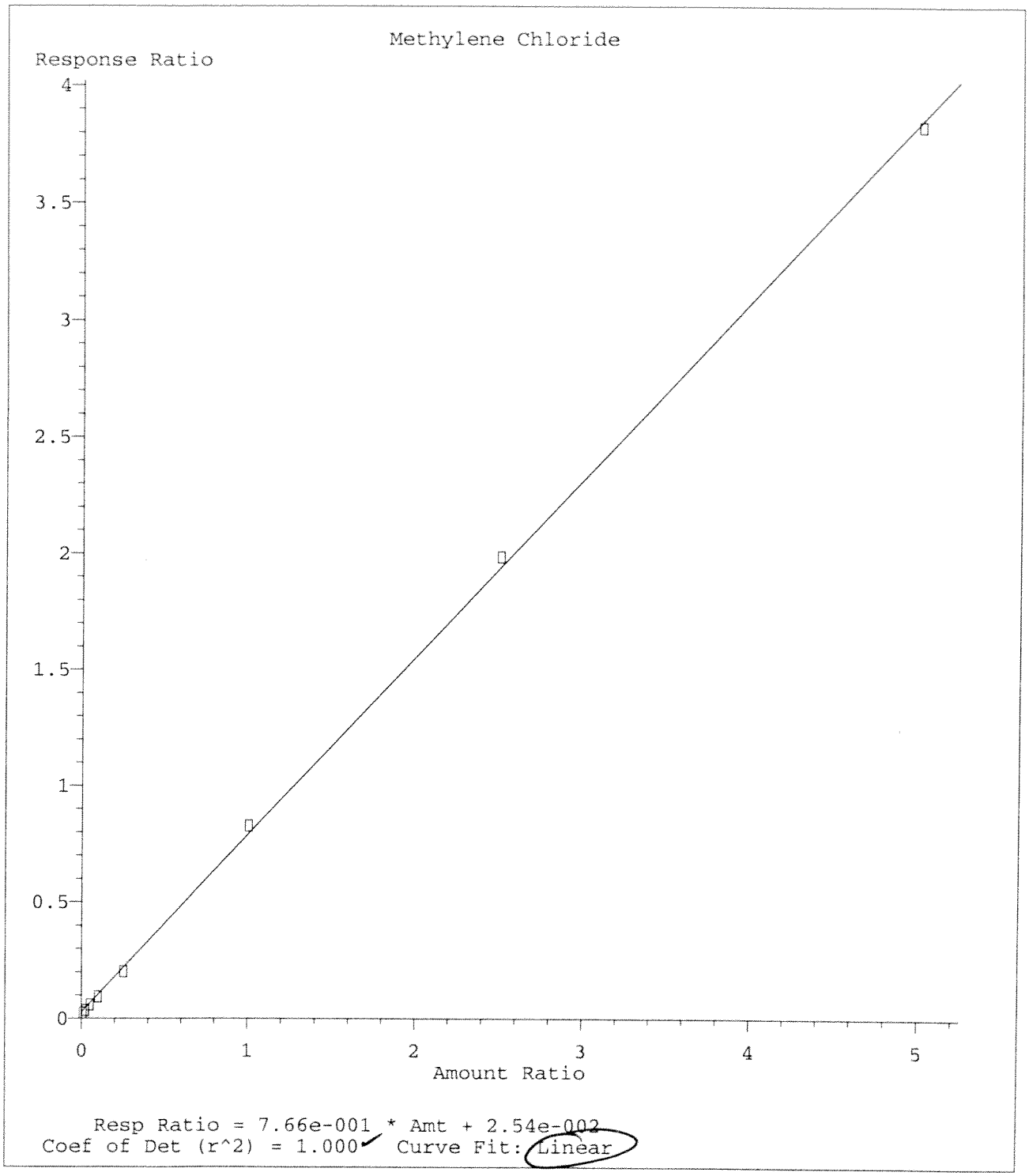
(#) = Out of Range ### Number of calibration levels exceeded format ###



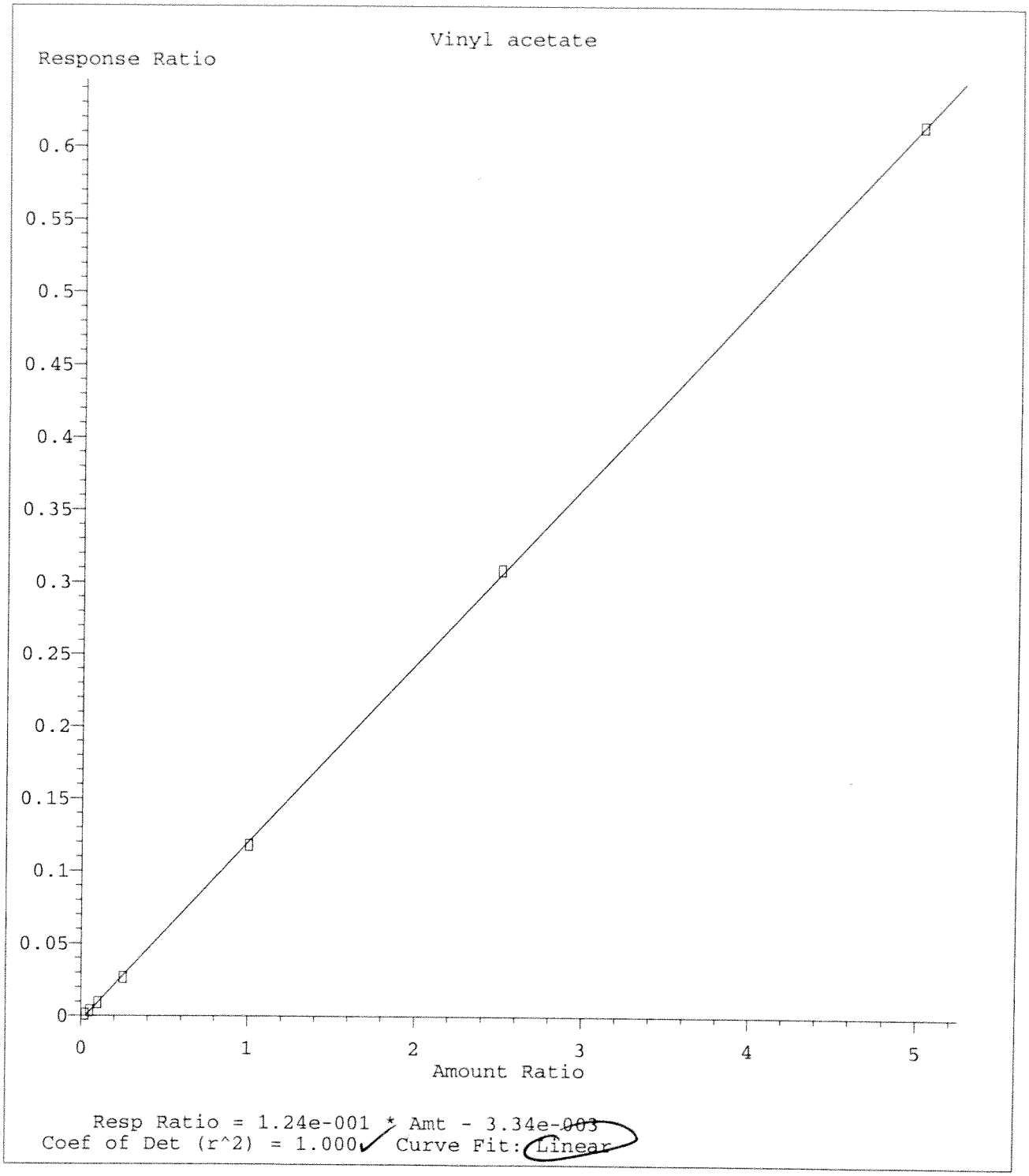
Method Name: C:\HPCHEM\1\METHODS\V810180B.M
Calibration Table Last Updated: Mon Oct 18 14:13:41 2010



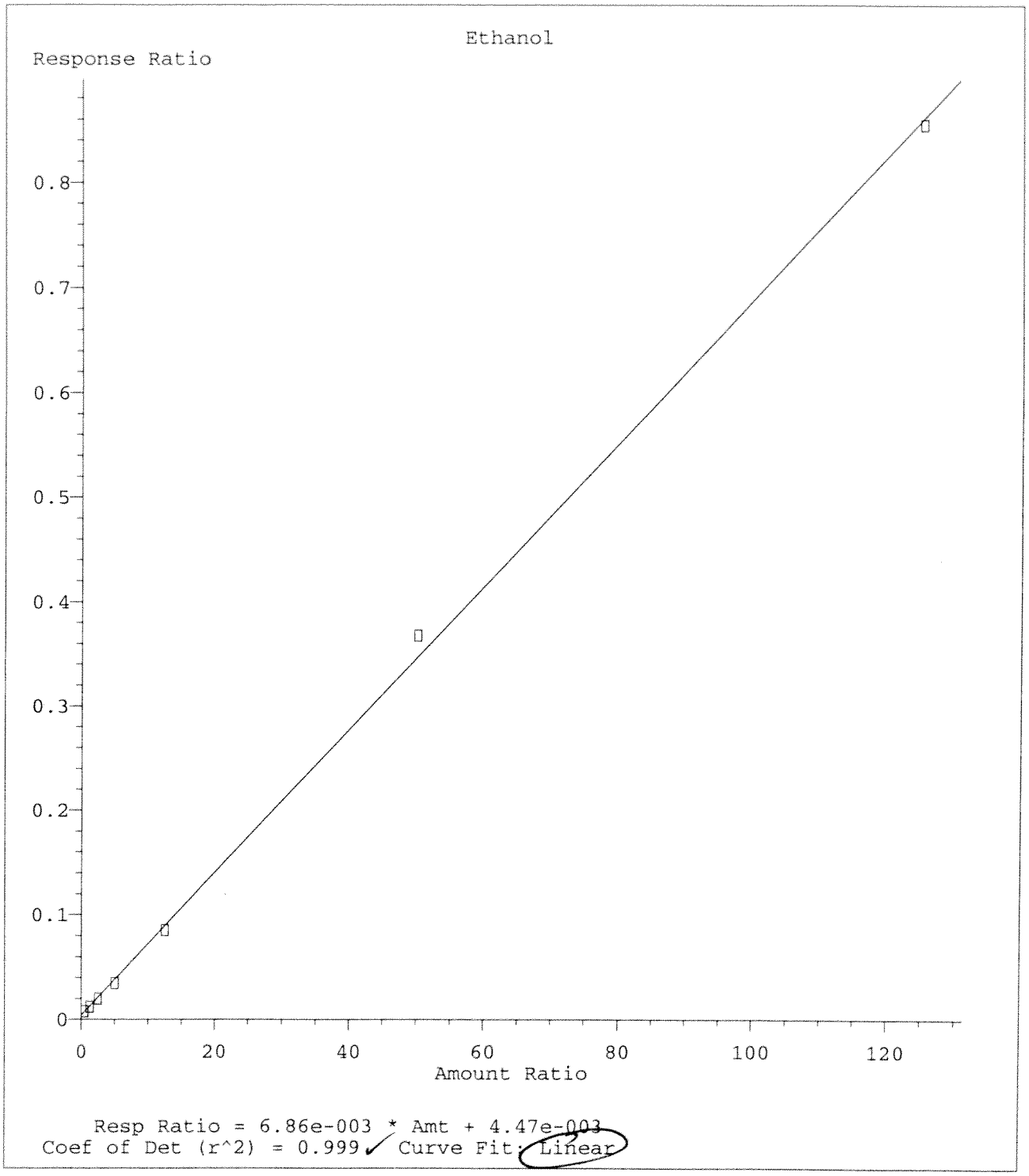
Method Name: C:\HPCHEM\1\METHODS\V810180B.M
Calibration Table Last Updated: Mon Oct 18 14:13:41 2010



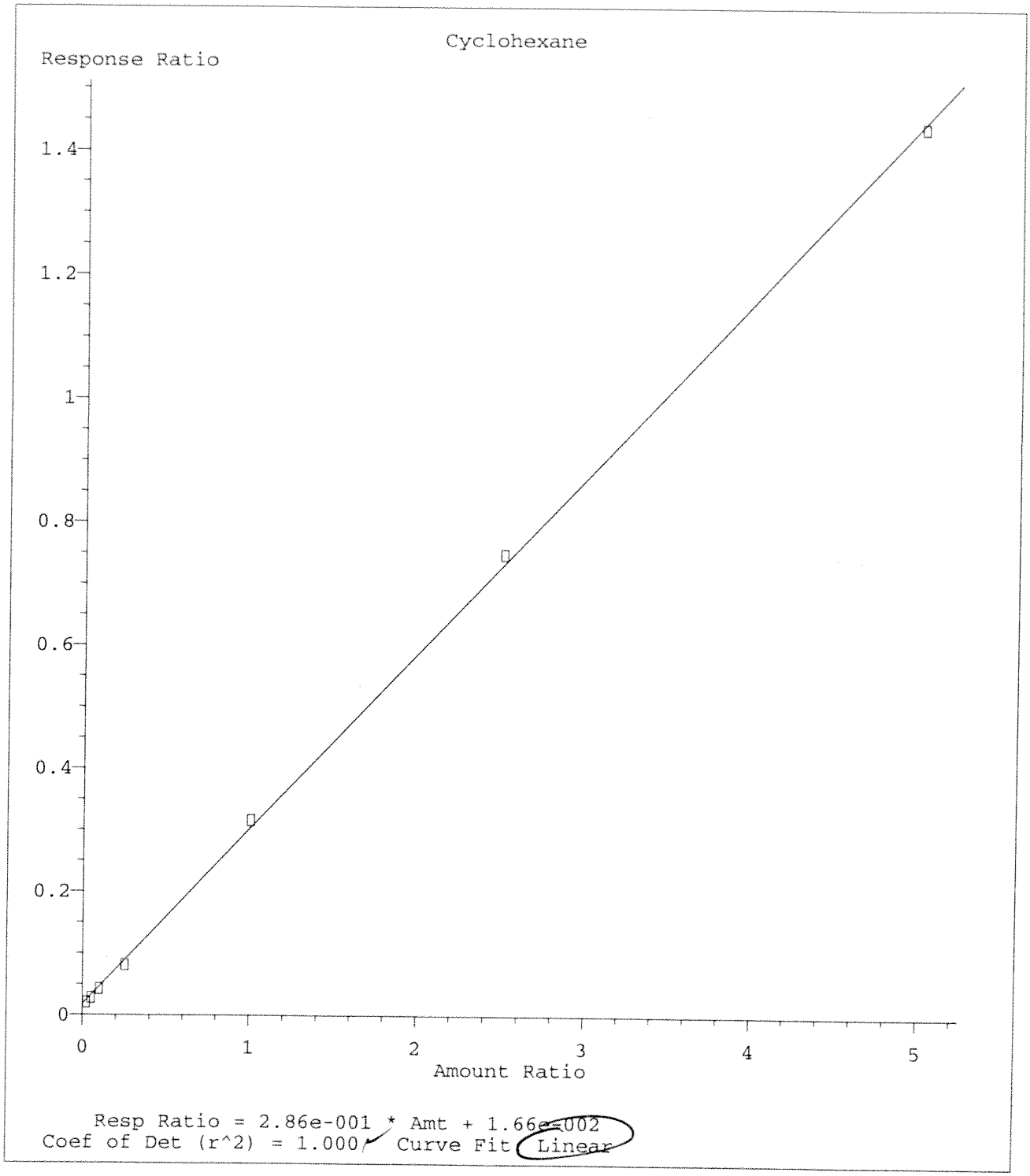
Method Name: C:\HPCHEM\1\METHODS\V810180B.M
Calibration Table Last Updated: Mon Oct 18 14:13:41 2010



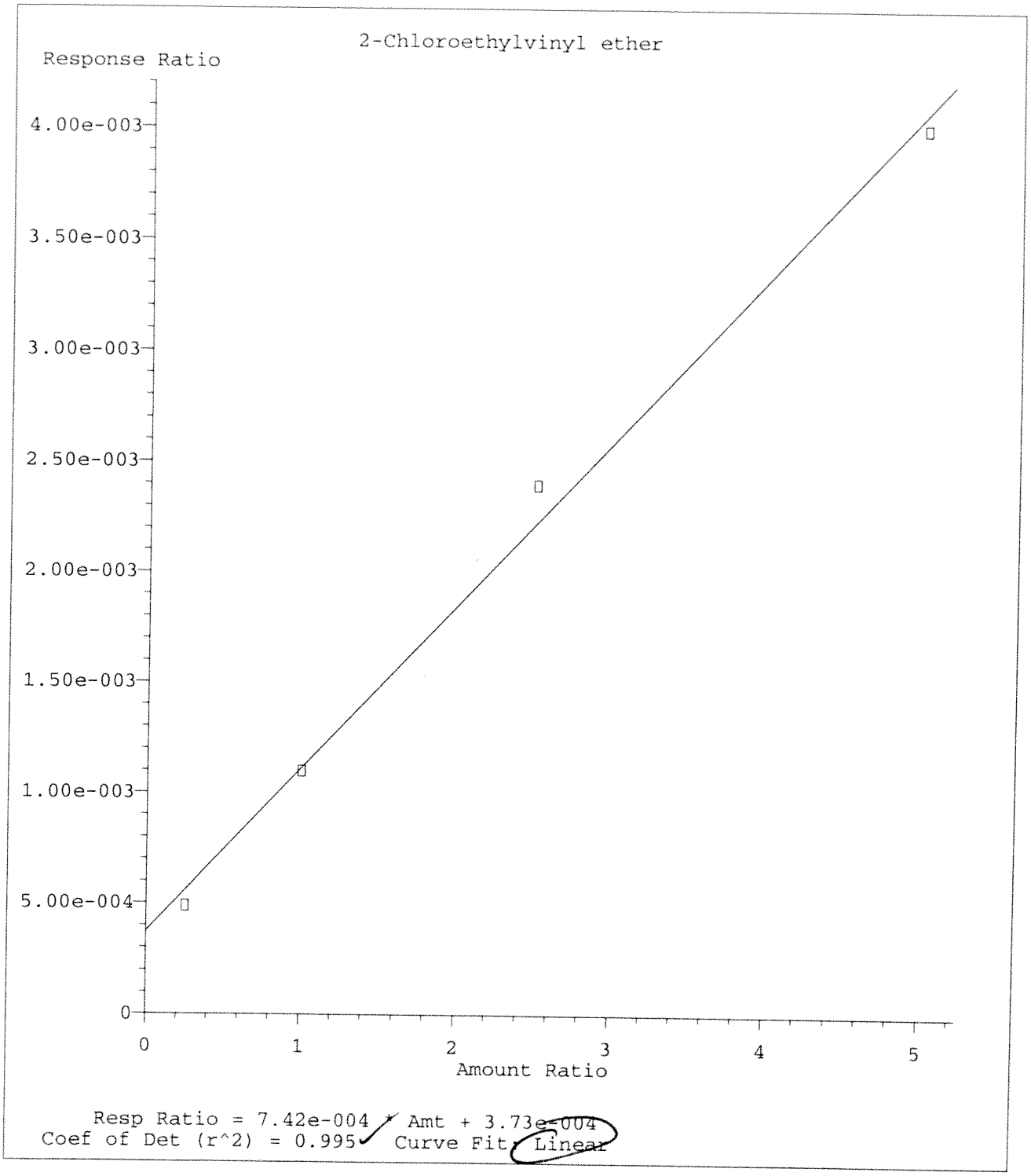
Method Name: C:\HPCHEM\1\METHODS\V810180B.M
Calibration Table Last Updated: Mon Oct 18 14:13:41 2010



Method Name: C:\HPCHEM\1\METHODS\V810180B.M
Calibration Table Last Updated: Mon Oct 18 14:13:41 2010



Method Name: C:\HPCHEM\1\METHODS\V810180B.M
Calibration Table Last Updated: Mon Oct 18 14:13:41 2010



Method Name: C:\HPCHEM\1\METHODS\V810180B.M
Calibration Table Last Updated: Mon Oct 18 14:13:41 2010

VOLATILE ORGANIC AQUEOUS
INDEPENDENT CAILIBRATION VERIFICATION

10/19/10

Instrument ID: B
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV3/L810180B3

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
Dichlorodifluoromethane	20	80	120	0.0	17	87	
Chloromethane	20	80	120	0.0	17	83	
Vinyl Chloride	20	80	120	0.0	17	85	
Bromomethane	20	80	120	0.0	17	87	
Chloroethane	20	80	120	0.0	17	83	
t-Butyl alcohol (TBA)	100	70	130	0.0	89	89	
Trichlorofluoromethane	20	80	120	0.0	16	82	
Diethyl ether	20	80	120	0.0	20	100	
1,1,2-Trichlorotrifluoroethane	20	80	120	0.0	21	106	
Acetone	100	70	130	0.0	95	95	
1,1-Dichloroethene	20	80	120	0.0	21	105	
Methyl iodide	20	70	130	0.0	20	102	
Di-isopropyl ether (DIPE)	20	80	120	0.0	20	100	
Methylene Chloride	20	80	120	0.0	21	107	
Carbon Disulfide	20	70	130	0.0	21	104	
Acrylonitrile	20	70	130	0.0	22	109	
Methyl-tert-butyl ether (MTBE)	40	80	120	0.0	40	99	
trans-1,2-Dichloroethene	20	80	120	0.0	19	94	
1,1-Dichloroethane	20	80	120	0.0	20	101	
Vinyl acetate	20	70	130	0.0	17	86	
Methyl ethyl ketone	100	70	130	0.0	99	99	
Ethyl t-butyl ether (ETBE)	20	80	120	0.0	20	100	
2,2-Dichloropropane	20	80	120	0.0	21	106	
cis-1,2-Dichloroethene	20	80	120	0.0	22	111	
t-Amyl methyl ether (TAME)	20	80	120	0.0	20	100	
Chloroform	20	80	120	0.0	21	105	
Bromochloromethane	20	80	120	0.0	22	112	
Tetrahydrofuran	20	70	130	0.0	21	105	
1,1,1-Trichloroethane	20	80	120	0.0	21	105	
1,1-Dichloropropene	20	80	120	0.0	21	104	
Carbon Tetrachloride	20	80	120	0.0	22	109	
1,2-Dichloroethane	20	80	120	0.0	19	97	
Benzene	20	80	120	0.0	21	103	
Trichloroethene	20	80	120	0.0	21	104	
1,2-Dichloropropane	20	80	120	0.0	21	104	
Methylmethacrylate	20	70	130	0.0	19	97	
Methyl acetate	20	70	130	0.0	22	110	
Cyclohexane	20	70	130	0.0	22	109	
Bromodichloromethane	20	80	120	0.0	21	104	
Dibromomethane	20	80	120	0.0	21	104	
1,4-Dioxane	500	70	130	0.0	491	98	
Methylcyclohexane	20	70	130	0.0	22	110	
2-Hexanone	100	70	130	0.0	108	108	
Methyl isobutyl ketone	100	70	130	0.0	104	104	
cis-1,3-Dichloropropene	20	80	120	0.0	21	107	
Toluene	20	80	120	0.0	21	103	
trans-1,3-Dichloropropene	20	80	120	0.0	21	103	
1,1,2-Trichloroethane	20	80	120	0.0	22	108	
1,3-Dichloropropane	20	80	120	0.0	20	102	
Tetrachloroethene	20	80	120	0.0	22	108	
Dibromochloromethane	20	80	120	0.0	21	106	

VMT 10/19/10

VOA FORM 3

VOLATILE ORGANIC AQUEOUS
INDEPENDENT CAILIBRATION VERIFICATION

Instrument ID: B
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV3/L810180B3

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
1,2-Dibromoethane	20	80	120	0.0	21	107	
Chlorobenzene	20	80	120	0.0	20	100	
1,1,1,2-Tetrachloroethane	20	80	120	0.0	21	106	
Ethylbenzene	20	80	120	0.0	20	101	
m,p-Xylene	40	80	120	0.0	40	101	
o-Xylene	20	80	120	0.0	20	100	
Styrene	20	80	120	0.0	21	106	
Bromoform	20	80	120	0.0	22	109	
Isopropylbenzene	20	80	120	0.0	21	104	
1,1,2,2-Tetrachloroethane	20	80	120	0.0	20	101	
1,2,3-Trichloropropane	20	80	120	0.0	19	96	
trans-1,4-Dichloro-2-butene	20	80	120	0.0	20	102	
n-Propylbenzene	20	80	120	0.0	19	96	
Bromobenzene	20	80	120	0.0	20	100	
1,3,5-Trimethylbenzene	20	80	120	0.0	21	105	
2-Chlorotoluene	20	80	120	0.0	21	103	
4-Chlorotoluene	20	80	120	0.0	20	99	
tert-butylbenzene	20	80	120	0.0	20	101	
1,2,4-Trimethylbenzene	20	80	120	0.0	20	98	
sec-butylbenzene	20	80	120	0.0	20	101	
p-isopropyltoluene	20	80	120	0.0	21	107	
1,3-Dichlorobenzene	20	80	120	0.0	20	100	
1,4-Dichlorobenzene	20	80	120	0.0	20	99	
n-butylbenzene	20	80	120	0.0	22	111	
1,2-Dichlorobenzene	20	80	120	0.0	21	105	
1,2-Dibromo-3-chloropropane	20	80	120	0.0	21	106	
1,2,4-Trichlorobenzene	20	80	120	0.0	21	104	
Hexachlorobutadiene	20	80	120	0.0	21	104	
Naphthalene	20	80	120	0.0	21	106	
1,2,3-Trichlorobenzene	20	80	120	0.0	21	105	
1,3,5-Trichlorobenzene	20	80	120	0.0	20	100	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recover

Comments: _____

VOA FORM 3

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D Vial: 3
Acq On : 15 Oct 2010 12:03 pm Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Multiple Level Calibration

10/18/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	89	0.00
2	TM	Dichlorodifluoromethane	0.757	0.509	Low 32.8#	62	0.00
3	TMP	Chloromethane	1.195	0.940	L 93% ~~20.8~~#	85	0.00
4	TMC	Vinyl Chloride	0.766	0.691	9.8	85	0.00
5	TM	Bromomethane	0.522	0.677	L 110% ~~29.7~~#	104	0.00
6	TM	Chloroethane	0.579	0.593	-2.4	96	0.00
7	TM	t-Butyl alcohol (TBA)	0.072	0.060#	16.7	86	0.00
8	TM	Trichlorofluoromethane	1.175	1.165	0.9	89	0.00
9	TM	Diethyl ether	0.315	0.327	-3.8	82	0.00
10	TM	1,1,2-Trichlorotrifluoroeth	0.650	0.648	0.3	90	0.00
11	T	Acrolein	0.047	0.120	NT -155.3#	254#	0.00
12	TM	Acetone	0.315	0.250	20.6#	83	0.00
13	TMC	1,1-Dichloroethene	0.604	0.614	-1.7	93	0.00
14	TM	Methyl iodide	0.481	0.599	L 109% ~~-24.5~~#	85	0.00
15	TM	Di-isopropyl ether (DIPE)	2.967	2.971	-0.1	92	0.00
16	TM	Methylene Chloride	0.829	0.689	16.9	89	0.00
17	TM	Carbon Disulfide	2.044	2.007	1.8	85	0.00
18	TM	Acrylonitrile	0.323	0.306	5.3	83	0.00
19	TM	Methyl-tert-butyl ether (MT	1.398	1.539	-10.1	90	0.00
20	TM	trans-1,2-Dichloroethene	1.029	0.984	4.4	86	0.00
21	TMP	1,1-Dichloroethane	1.344	1.245	7.4	90	0.00
22	TM	Vinyl acetate	1.252	1.367	-9.2	93	0.00
23	TM	Methyl ethyl ketone	0.072	0.071#	1.4	89	0.00
24	TM	Ethyl t-butyl ether (ETBE)	2.176	2.197	-1.0	91	0.00
25	TM	2,2-Dichloropropane	0.775	0.752	3.0	90	0.00
26	TM	cis-1,2-Dichloroethene	0.737	0.740	-0.4	88	0.00
27	TM	t-Amyl methyl ether (TAME)	1.789	1.713	4.2	89	0.00
28	S	DB Holder #28	0.760	0.724	4.7	81	0.00
29	TMC	Chloroform	1.211	1.151	5.0	87	0.00
30	TM	Bromochloromethane	0.396	0.326	17.7	88	0.00
31	TM	Tetrahydrofuran	0.103	0.084#	18.4	89	0.00
32	TM	1,1,1-Trichloroethane	0.945	0.945	0.0	87	0.00
33	T	Ethanol	0.013	0.012#	7.7	84	0.00
34	TM	1,1-Dichloropropene	0.947	0.920	2.9	88	0.00
35	TM	Carbon Tetrachloride	0.563	0.603	-7.1	89	0.00
36	S	d4-1,2-Dichloroethane	0.760	0.724	4.7	81	0.00
37	TM	1,2-Dichloroethane	0.906	0.893	1.4	86	0.00
38	TM	Benzene	2.460	2.378	3.3	89	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
40	TM	Trichloroethene	0.432	0.371	14.1	85	0.00
41	TMC	1,2-Dichloropropane	0.349	0.358	-2.6	92	0.00
42	TM	Methylmethacrylate	0.252	0.232	7.9	84	0.00
43	T	Methyl acetate	0.527	0.485	8.0	88	0.00
44	T	Cyclohexane	0.572	0.645	-12.8	99	0.00
45	TM	Bromodichloromethane	0.407	0.417	-2.5	88	0.00
46	TM	Dibromomethane	0.267	0.249	6.7	87	0.00
47	TM	1,4-Dioxane	0.004	0.004#	0.0	83	0.00
48	T	Methylcyclohexane	0.516	0.568	-10.1	97	0.00
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
50	T	2-Chloroethylvinyl ether	0.198	0.200	-1.0	95	0.00
51	TM	2-Hexanone	0.145	0.138	4.8	85	0.00
52	TM	Methyl isobutyl ketone	0.148	0.144	2.7	85	0.00
53	TM	cis-1,3-Dichloropropene	0.537	0.541	-0.7	86	0.00

(#) = Out of Range

VMT 10/18/10

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D Vial: 3
Acq On : 15 Oct 2010 12:03 pm Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	S	d8-Toluene	1.103	1.117	-1.3	89	0.00
55	TMC	Toluene	0.773	0.787	✓-1.8	89	0.00
56	TM	trans-1,3-Dichloropropene	0.505	0.486	3.8	83	0.00
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
58	TM	1,1,2-Trichloroethane	0.250	0.252	-0.8	85	0.00
59	TM	1,3-Dichloropropane	0.544	0.514	5.5	86	0.00
60	TM	Tetrachloroethene	0.369	0.338	8.4	85	0.00
61	TM	Dibromochloromethane	0.372	0.351	5.6	85	0.00
62	TM	1,2-Dibromoethane	0.385	0.359	6.8	84	0.00
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	88✓	0.00
64	TMP	Chlorobenzene	1.040	1.017✓	2.2	90	0.00
65	TM	1,1,1,2-Tetrachloroethane	0.360	0.354	1.7	88	0.00
66	TMC	Ethylbenzene	1.627	1.612	✓0.9	91	0.00
67	TM	m,p-Xylene	0.664	0.654	1.5	90	0.00
68	TM	o-Xylene	0.641	0.633	1.2	88	0.00
69	TM	Styrene	1.121	1.124	-0.3	91	0.00
70	TMP	Bromoform	0.212	0.228✓	-7.5	82	0.00
71	TM	Isopropylbenzene	1.669	1.661	0.5	90	0.00
72	TMP	1,1,2,2-Tetrachloroethane	0.494	0.455✓	7.9	83	0.00
73	S	Bromofluorobenzene	0.471	0.472	-0.2	87	0.00
74	TM	1,2,3-Trichloropropane	0.370	0.336	9.2	82	0.00
75	TM	trans-1,4-Dichloro-2-butene	0.128	0.127	0.8	84	0.00
76	TM	n-Propylbenzene	1.963	1.936	1.4	90	0.00
77	TM	Bromobenzene	0.375	0.371	1.1	88	0.00
78	TM	1,3,5-Trimethylbenzene	1.306	1.328	-1.7	90	0.00
79	TM	2-Chlorotoluene	1.193	1.224	-2.6	89	0.00
80	TM	4-Chlorotoluene	1.128	1.114	1.2	88	0.00
81	TM	tert-butylbenzene	1.158	1.111	4.1	86	0.00
82	TM	1,2,4-Trimethylbenzene	1.399	1.387	0.9	89	0.00
83	T	Diisobutylketone	0.990	1.008	-1.8	92	0.00
84	TM	sec-butylbenzene	1.848	1.834	0.8	90	0.00
85	TM	p-isopropyltoluene	1.479	1.450	2.0	89	0.00
86	TM	1,3-Dichlorobenzene	0.683	0.673	1.5	90	0.00
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89✓	0.00
88	TM	1,4-Dichlorobenzene	1.607	1.565	2.6	89	0.00
89	TM	n-butylbenzene	3.130	3.106	0.8	89	0.00
90	TM	1,2-Dichlorobenzene	1.444	1.430	1.0	88	0.00
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
92	TM	1,2-Dibromo-3-chloropropane	0.214	0.167	L90% ~~22.0~~#	80	0.00
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
94	TM	1,2,4-Trichlorobenzene	1.102	1.121	-1.7	88	0.00
95	TM	Hexachlorobutadiene	0.547	0.543	0.7	89	0.00
96	TM	Naphthalene	2.674	2.650	0.9	84	0.00
97	TM	1,2,3-Trichlorobenzene	0.977	1.007	-3.1	89	0.00
98	TM	1,3,5-Trichlorobenzene	1.168	1.224	-4.8	92	0.00

(#) = Out of Range SPCC's out = 0 ✓ CCC's out = 0 ✓

% DRIFT EVALUATION

AD 10/16/10

1=AVERAGE RF
0=LINEAR
3=QUADRATIC

Data File Name: C76536SC.D
Date Acquired: 10/15/10 12:03
Sample Name: 20 PPB

METHOD: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	13.45	20	32.7%	NA	* - OKin CLS,D
0	Chloromethane	18.63	20	6.9%		OK
1	Vinyl Chloride	18.05	20	9.7%	NA	OK
0	Bromomethane	21.93	20	9.7%		OK
1	Chloroethane	20.47	20	2.4%	NA	OK
1	t-Butyl alcohol (TBA)	83.03	100	17.0%	NA	OK
1	Trichlorofluoromethane	19.83	20	0.9%	NA	OK
1	Diethyl ether	20.76	20	3.8%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	19.94	20	0.3%	NA	OK
0	Acrolein	282.91	100	182.9%		* NT
0	Acetone	96.27	100	3.7%		OK
1	1,1-Dichloroethene	20.32	20	1.6%	NA	OK
0	Methyl iodide	21.70	20	8.5%		OK
1	Di-isopropyl ether (DIPE)	20.02	20	0.1%	NA	OK
0	Methylene Chloride	19.89	20	0.6%		OK
1	Carbon Disulfide	19.64	20	1.8%	NA	OK
1	Acrylonitrile	18.99	20	5.1%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	22.02	20	10.1%	NA	OK
1	trans-1,2-Dichloroethene	19.12	20	4.4%	NA	OK
0	1,1-Dichloroethane	20.82	20	4.1%		OK
1	Vinyl acetate	21.84	20	9.2%	NA	OK
1	Methyl ethyl ketone	98.61	100	1.4%	NA	OK
1	Ethyl t-butyl ether (ETBE)	20.19	20	0.9%	NA	OK
1	2,2-Dichloropropane	19.40	20	3.0%	NA	OK
1	cis-1,2-Dichloroethene	20.07	20	0.4%	NA	OK
1	t-Amyl methyl ether (TAME)	19.15	20	4.3%	NA	OK
1	Chloroform	18.99	20	5.0%	NA	OK
0	Bromochloromethane	20.49	20	2.4%		OK
0	Tetrahydrofuran	20.15	20	0.8%		OK
1	1,1,1-Trichloroethane	20.01	20	0.0%	NA	OK
1	Ethanol	934.14	1000	6.6%	NA	OK
1	1,1-Dichloropropene	19.42	20	2.9%	NA	OK
1	Carbon Tetrachloride	21.40	20	7.0%	NA	OK
1	d4-1,2-Dichloroethane	19.04	20	4.8%	NA	OK
1	1,2-Dichloroethane	19.71	20	1.5%	NA	OK
1	Benzene	19.34	20	3.3%	NA	OK
0	Trichloroethene	21.03	20	5.2%		OK
1	1,2-Dichloropropane	20.48	20	2.4%	NA	OK
1	Methylmethacrylate	18.42	20	7.9%	NA	OK
0	Methyl acetate	21.00	20	5.0%		OK

MTT 10/19/10

1	Cyclohexane	22.57	20	12.9%	NA	OK
1	Bromodichloromethane	20.50	20	2.5%	NA	OK
0	Dibromomethane	22.05	20	10.3%		OK
1	1,4-Dioxane	475.96	500	4.8%	NA	OK
1	Methylcyclohexane	22.00	20	10.0%	NA	OK
1	2-Chloroethylvinyl ether	20.18	20	0.9%	NA	OK
1	2-Hexanone	95.53	100	4.5%	NA	OK
1	Methyl isobutyl ketone	97.47	100	2.5%	NA	OK
1	cis-1,3-Dichloropropene	20.14	20	0.7%	NA	OK
1	d8-Toluene	20.25	20	1.3%	NA	OK
1	Toluene	20.37	20	1.8%	NA	OK
1	trans-1,3-Dichloropropene	19.26	20	3.7%	NA	OK
1	1,1,2-Trichloroethane	20.14	20	0.7%	NA	OK
1	1,3-Dichloropropane	18.91	20	5.5%	NA	OK
1	Tetrachloroethene	18.33	20	8.4%	NA	OK
1	Dibromochloromethane	18.88	20	5.6%	NA	OK
1	1,2-Dibromoethane	18.65	20	6.8%	NA	OK
1	Chlorobenzene	19.55	20	2.2%	NA	OK
1	1,1,1,2-Tetrachloroethane	19.71	20	1.5%	NA	OK
1	Ethylbenzene	19.82	20	0.9%	NA	OK
1	m,p-Xylene	39.44	40	1.4%	NA	OK
1	o-Xylene	19.78	20	1.1%	NA	OK
1	Styrene	20.05	20	0.2%	NA	OK
0	Bromoform	18.42	20	7.9%		OK
1	Isopropylbenzene	19.90	20	0.5%	NA	OK
1	1,1,2,2-Tetrachloroethane	18.45	20	7.7%	NA	OK
1	Bromofluorobenzene	20.05	20	0.3%	NA	OK
0	1,2,3-Trichloropropane	19.83	20	0.9%		OK
1	trans-1,4-Dichloro-2-butene	19.96	20	0.2%	NA	OK
1	n-Propylbenzene	19.72	20	1.4%	NA	OK
1	Bromobenzene	19.78	20	1.1%	NA	OK
1	1,3,5-Trimethylbenzene	20.34	20	1.7%	NA	OK
1	2-Chlorotoluene	20.52	20	2.6%	NA	OK
1	4-Chlorotoluene	19.76	20	1.2%	NA	OK
1	tert-butylbenzene	19.18	20	4.1%	NA	OK
1	1,2,4-Trimethylbenzene	19.83	20	0.8%	NA	OK
1	Diisobutylketone	101.77	100	1.8%	NA	OK
1	sec-butylbenzene	19.84	20	0.8%	NA	OK
1	p-isopropyltoluene	19.61	20	2.0%	NA	OK
1	1,3-Dichlorobenzene	19.71	20	1.4%	NA	OK
1	1,4-Dichlorobenzene	19.48	20	2.6%	NA	OK
1	n-butylbenzene	19.84	20	0.8%	NA	OK
1	1,2-Dichlorobenzene	19.81	20	0.9%	NA	OK
0	1,2-Dibromo-3-chloropropane	18.04	20	9.8%		OK
1	1,2,4-Trichlorobenzene	20.34	20	1.7%	NA	OK
1	Hexachlorobutadiene	19.86	20	0.7%	NA	OK
1	Naphthalene	19.82	20	0.9%	NA	OK
1	1,2,3-Trichlorobenzene	20.63	20	3.1%	NA	OK
1	1,3,5-Trichlorobenzene	20.95	20	4.7%	NA	OK

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
ATED PURGE (Y/N): N

SDG: 68000

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
Upper Limit	393962		7.15		774998		8.65		686338		13.18		299682		16.90	
Lower limit	98491		7.03		193750		8.53		171585		13.06		74921		16.78	
SAMPLE ID																
0.2 PPB	195858		7.10		379188		8.59		335209		13.11		150145		16.83	
0.5 PPB	197160		7.10		377545		8.59		336495		13.11		150633		16.83	
1.0 PPB	198221		7.10		390972		8.59		340345		13.12		151939		16.84	
2.0 PPB	201313		7.10		385421		8.59		340024		13.12		151871		16.84	
5.0 PPB	191436		7.10		377072		8.59		326733		13.11		146462		16.83	
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
50.0 PPB	187674		7.10		375824		8.59		333454		13.12		146646		16.83	
100.0 PPB	212825		7.10		426996		8.59		369802		13.12		156214		16.84	
20 PPB ICV	136751		7.09		264160		8.59		237302		13.12		105646		16.84	
20 PPB ICV2	197193		7.10		389939		8.59		341660		13.12		149620		16.84	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
ATED PURGE (Y/N): N

SDG:

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	175768		7.17		342673		8.66		302905		13.18		133673		16.89	
Upper Limit	351536		7.23		685346		8.72		605810		13.24		267346		16.95	
Lower limit	87884		7.11		171337		8.60		151453		13.12		66837		16.83	
SAMPLE ID																
LS10150C,RR	195969		7.16		404249		8.66		348645		13.18		148477		16.89	
LS10150C2,RR	205315		7.16		413759		8.65		356530		13.18		149358		16.90	
MB10150C	200271		7.16		403505		8.65		349041		13.18		143402		16.89	
68000-4	201165		7.16		414594		8.65		356612		13.18		145607		16.89	
68000-1	205767		7.16		420128		8.65		354539		13.17		145172		16.89	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: B
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge(Y/N): N

SDG: 68000

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	131562		7.77		332486		8.78		280619		12.83		100516		16.19	
Upper Limit	263124		7.83		664972		8.84		561238		12.89		201032		16.25	
Lower limit	65781		7.71		166243		8.72		140310		12.77		50258		16.13	
SAMPLE ID																
0.2 PPB	137196		7.77		347899		8.78		294422		12.83		104347		16.19	
0.5 PPB	132390		7.77		335352		8.79		287864		12.83		100675		16.19	
1.0 PPB	131110		7.78		334161		8.78		280453		12.83		99182		16.20	
2.0 PPB	135359		7.77		337618		8.79		284557		12.83		100151		16.20	
5.0 PPB	132091		7.77		334108		8.78		278967		12.83		95780		16.20	
50 PPB	136074		7.78		345740		8.78		298044		12.82		107752		16.20	
100 PPB	134469		7.77		338085		8.78		296974		12.83		111237		16.20	
20 PPB ICV3/L810180B3	145539		7.77		368053		8.79		318228		12.83		110766		16.20	
20 PPB ICV4/L810180B4	148722		7.77		370057		8.78		313871		12.83		111689		16.20	
B810180B	142100		7.78		355457		8.78		303643		12.83		105383		16.20	
68000-3	132678		7.77		340085		8.79		289424		12.83		101538		16.19	
68000-2	127102		7.78		326323		8.78		273456		12.83		95827		16.20	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: B101210AW RR
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/12/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/L	Result µg/L	COMPOUND	Detection Limit µg/L	Result µg/L
Acenaphthene	2	U	2,4-dinitrophenol	5	U
Acenaphthylene	2	U	2,4-Dinitrotoluene	2	U
Anthracene	2	U	2,6-Dinitrotoluene	2	U
Benzo[a]anthracene	2	U	di-n-octyl-phthalate	2	U
Benzo[b] fluoranthene	2	U	Fluoranthene	2	U
Benzo[k] fluoranthene	2	U	Fluorene	2	U
Benzo(g,h,i) perylene	2	U	Hexachlorobenzene	2	U
Benzo[a] pyrene	2	U	Hexachlorobutadiene	2	U
Bis(2-chloroethoxy)methane	2	U	Hexachloroethane	2	U
bis(2-chloroethyl) ether	2	U	Indeno [1,2,3-cd] pyrene	2	U
bis(2-chloroisopropyl)ether	2	U	Isophorone	2	U
Bis (2-ethylhexyl) phthalate	2	7	2-Methylnaphthalene	2	U
4-bromophenyl phenyl ether	2	U	2-Methylphenol	5	U
Butyl benzyl phthalate	2	U	3+4-Methylphenol	5	U
4-Chloroaniline	2	U	Naphthalene	2	U
2-Chloronaphthalene	2	U	Nitrobenzene	2	U
2-Chlorophenol	5	U	2-Nitrophenol	5	U
Chrysene	2	U	4-Nitrophenol	5	U
Dibenz [a,h] anthracene	2	U	Pentachlorophenol	10	U
Dibenzofuran	2	U	Phenanthrene	2	U
Di-n-butyl phthalate	2	U	Phenol	5	U
1,2-Dichlorobenzene	2	U	Pyrene	2	U
1,3-Dichlorobenzene	2	U	1,2,4-Trichlorobenzene	2	U
1,4-Dichlorobenzene	2	U	2,4,5-Trichlorophenol	5	U
3,3'-Dichlorobenzidine	20	U	2,4,6-Trichlorophenol	5	U
2,4-Dichlorophenol	5	U	Acetophenone	5	U
Diethyl Phthalate	2	U	Azobenzene	2	U
2,4-Dimethylphenol	5	U			
Dimethyl Phthalate	2	U			
Aniline	2	U			

Surrogate Standard Recovery

2-Fluorophenol	51	%	d5-Phenol	38	%	d5-nitrobenzene	79	%
2-Fluorobiphenyl	84	%	2,4,6-Tribromophenol	92	%	d14-p-terphenyl	84	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS:

8270 MCP(63)

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 68000-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 10/08/10
Lab Receipt Date: 10/08/10
Extraction Date: 10/12/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GP-01

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/L	Result µg/L	COMPOUND	Detection Limit µg/L	Result µg/L
Acenaphthene	2	U	2,4-dinitrophenol	5	U
Acenaphthylene	2	U	2,4-Dinitrotoluene	2	U
Anthracene	2	U	2,6-Dinitrotoluene	2	U
Benzo[a]anthracene	2	U	di-n-octyl-phthalate	2	U
Benzo[b] fluoranthene	2	U	Fluoranthene	2	U
Benzo[k] fluoranthene	2	U	Fluorene	2	U
Benzo(g,h,i) perylene	2	U	Hexachlorobenzene	2	U
Benzo[a] pyrene	2	U	Hexachlorobutadiene	2	U
Bis(2-chloroethoxy)methane	2	U	Hexachloroethane	2	U
bis(2-chloroethyl) ether	2	U	Indeno [1,2,3-cd] pyrene	2	U
bis(2-chloroisopropyl)ether	2	U	Isophorone	2	U
Bis (2-ethylhexyl) phthalate	2	**1 JB**	2-Methylnaphthalene	2	U
4-bromophenyl phenyl ether	2	U	2-Methylphenol	5	U
Butyl benzyl phthalate	2	U	3+4-Methylphenol	5	U
4-Chloroaniline	2	U	Naphthalene	2	U
2-Chloronaphthalene	2	U	Nitrobenzene	2	U
2-Chlorophenol	5	U	2-Nitrophenol	5	U
Chrysene	2	U	4-Nitrophenol	5	U
Dibenz [a,h] anthracene	2	U	Pentachlorophenol	10	U
Dibenzofuran	2	U	Phenanthrene	2	U
Di-n-butyl phthalate	2	U	Phenol	5	U
1,2-Dichlorobenzene	2	U	Pyrene	2	U
1,3-Dichlorobenzene	2	U	1,2,4-Trichlorobenzene	2	U
1,4-Dichlorobenzene	2	U	2,4,5-Trichlorophenol	5	U
3,3'-Dichlorobenzidine	20	U	2,4,6-Trichlorophenol	5	U
2,4-Dichlorophenol	5	U	Acetophenone	5	U
Diethyl Phthalate	2	U	Azobenzene	2	U
2,4-Dimethylphenol	5	U			
Dimethyl Phthalate	2	U			
Aniline	2	U			

Surrogate Standard Recovery

2-Fluorophenol	32	%	d5-Phenol	31	%	d5-nitrobenzene	74	%
2-Fluorobiphenyl	80	%	2,4,6-Tribromophenol	54	%	d14-p-terphenyl	70	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS:

8270 MCP(63)

Authorized signature

SEMIVOLATILE ORGANIC AQUEOUS
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 68000

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#	SMC 4 (%)	#	SMC 5 (%)	#	SMC 6 (%)	#
B101210AW,,RR	51		38		79		84		92		84	
L101210AW,,RR	54		38		80		87		97		97	
LD101210AW,,RR	52		37		77		82		96		97	
68000-2	32		31		74		80		54		70	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorophenol	20	110
SMC #2 =	d5-Phenol	15	110
SMC #3 =	d5-nitrobenzene	40	110
SMC #4 =	2-Fluorobiphenyl	50	110
SMC #5 =	2,4,6-Tribromophenol	40	110
SMC #6 =	d14-p-terphenyl	50	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

SVOA FORM 2

SEMIVOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 68000
Non-spiked sample: B101210AW,,RR
Spike: L101210AW,,RR
Spike duplicate: LD101210AW,,RR

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Pyridine	40	30	65	25	0.0	19	48		19	47		1	
N-nitrosodimethylamine	40	25	110	25	0.0	21	53		21	53		1	
Aniline	40	40	140	25	0.0	29	72		28	71		2	
Phenol	80	30	115	42	0.0	34	42		33	41		3	
2-Chlorophenol	80	35	105	40	0.0	58	73		57	71		3	
bis(2-chloroethyl) ether	40	35	110	25	0.0	30	74		29	71		4	
1,3-Dichlorobenzene	40	40	100	25	0.0	29	72		28	70		3	
1,4-Dichlorobenzene	40	40	100	28	0.0	29	73		28	71		2	
1,2-Dichlorobenzene	40	40	100	25	0.0	27	67		26	66		2	
Benzyl Alcohol	40	30	110	25	0.0	34	85		34	84		1	
2-Methylphenol	80	40	110	25	0.0	56	70		55	68		2	
bis(2-chloroisopropyl)ether	40	40	130	25	0.0	32	80		31	77		4	
3+4-Methylphenol	80	30	110	25	0.0	54	67		53	67		1	
Hexachloroethane	40	40	95	25	0.0	31	78		30	76		2	
N-nitroso-di-n-propylamine	40	65	130	38	0.0	36	90		35	88		2	
Nitrobenzene	40	45	100	25	0.0	31	77		30	74		3	
Isophorone	40	50	110	25	0.0	34	85		33	82		3	
2-Nitrophenol	80	40	115	25	0.0	66	82		64	80		2	
2,4-Dimethylphenol	80	30	110	25	0.0	57	72		55	69		4	
Bis(2-chloroethoxy)methane	40	45	105	25	0.0	32	79		31	77		3	
2,4-Dichlorophenol	80	50	105	25	0.0	66	82		63	79		4	
Benzoic Acid	80	10	125	25	0.0	26	33		31	38		16	
1,2,4-Trichlorobenzene	40	35	105	28	0.0	30	76		29	72		5	
Naphthalene	40	40	100	25	0.0	30	76		29	72		4	
4-Chloroaniline	40	40	110	25	0.0	37	92		36	90		2	
Hexachlorobutadiene	40	30	105	25	0.0	32	79		30	75		5	
4-Chloro-3-methylphenol	80	45	110	42	0.0	67	83		64	81		3	
2-Methylnaphthalene	40	45	105	25	0.0	32	80		31	77		4	
Hexachlorocyclopentadiene	40	60	110	25	0.0	35	87		33	84		4	
2,4,6-Trichlorophenol	80	50	115	25	0.0	72	90		68	85		6	
2,4,5-Trichlorophenol	80	50	110	25	0.0	66	83		66	83		0	
2-Chloronaphthalene	40	50	105	25	0.0	33	83		32	79		4	
2-Nitroaniline	40	50	115	25	0.0	35	88		35	87		1	
2,6-Dinitrotoluene	40	50	115	25	0.0	30	74		31	78		4	
Dimethyl Phthalate	40	40	125	25	0.0	34	85		34	86		1	
Acenaphthylene	40	50	105	25	0.0	34	84		32	81		4	
3-Nitroaniline	40	20	125	25	0.0	41	102		41	102		0	
Acenaphthene	40	45	110	31	0.0	33	82		31	79		4	
2,4-dinitrophenol	80	30	140	25	0.0	71	89		72	90		2	
Dibenzofuran	40	55	105	25	0.0	33	81		32	81		1	
4-Nitrophenol	80	30	125	50	0.0	38	48		38	48		0	
2,4-Dinitrotoluene	40	50	120	38	0.0	38	95		38	96		0	
Fluorene	40	50	110	25	0.0	33	83		32	80		4	
Diethyl Phthalate	40	40	120	25	0.0	36	90		36	91		1	
4-Chlorophenyl phenyl ether	40	50	110	25	0.0	37	93		36	90		3	
4-Nitroaniline	40	35	120	25	0.0	38	96		39	98		3	
4,6-Dinitro-2-methylphenol	80	40	130	25	0.0	66	82		67	83		1	

SVOA FORM 3

SEMIVOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 68000
Non-spiked sample: B101210AW,,RR
Spike: L101210AW,,RR
Spike duplicate: LD101210AW,,RR

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
n-nitrosodiphenylamine	40	50	110	25	0.0	36	90		36	89		1	
Azobenzene	40	55	115	25	0.0	34	85		35	86		1	
Biphenyl	40	35	100	25	0.0	35	88		33	84		5	
4-bromophenyl phenyl ether	40	50	115	25	0.0	37	92		36	91		2	
Hexachlorobenzene	40	50	110	25	0.0	36	90		36	90		1	
Pentachlorophenol	80	40	115	50	0.0	77	97		76	95		1	
Phenanthrene	40	50	115	25	0.0	39	97		31	78		22	
Anthracene	40	55	110	25	0.0	30	74		29	73		1	
Carbazole	80	50	115	25	0.0	91	113		102	127	*	11	
Di-n-butyl phthalate	40	55	115	25	0.0	31	78		32	79		1	
Fluoranthene	40	55	115	25	0.0	30	74		31	77		3	
Benzidine	80	10	200	25	0.0	159	198		162	203	*	2	
Pyrene	40	50	130	31	0.0	36	90		36	90		0	
Butyl benzyl phthalate	40	45	115	25	0.0	38	96		39	96		0	
Benzo[a]anthracene	40	55	110	25	0.0	36	91		37	93		3	
Chrysene	40	55	110	25	0.0	38	96		38	94		2	
3,3'-Dichlorobenzidine	80	40	110	25	0.0	90	112	*	92	115	*	2	
Bis (2-ethylhexyl) phthalate	40	40	125	25	6.7	43	91		43	91		0	
di-n-octyl-phthalate	40	40	135	25	0.0	35	87		35	88		2	
Benzo[b] fluoranthene	40	45	120	25	0.0	37	92		37	94		1	
Benzo[k] fluoranthene	40	45	125	25	0.0	37	93		38	94		1	
Benzo[a] pyrene	40	55	110	25	0.0	31	79		32	81		2	
Indeno [1,2,3-cd] pyrene	40	45	125	25	0.0	35	89		36	91		3	
Dibenz [a,h] anthracene	40	40	125	25	0.0	36	90		37	93		3	
Benzo(g,h,i) perylene	40	40	125	25	0.0	37	92		37	93		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

SVOA FORM 3

SEMIVOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 68002
Non-spiked sample: B101210AW,,RR
Spike: L101210AW,,RR
Spike duplicate: LD101210AW,,RR

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
BENZALDEHYDE	40	40	140	25	0.0	23	56		22	54		4	
n-Decane	40	40	140	25	0.0	27	67		26	65		3	
Acetophenone	40	40	140	25	0.0	31	78		30	75		3	
alpha-terpineol	40	40	140	25	0.0	34	84		33	82		2	
2,3-dichloroaniline	40	40	140	25	0.0	34	86		33	83		4	
CAPROLACTAM	40	40	140	25	0.0	10	24	*	10	24	*	1	
1,2,4,5-TETRACHLOROBENZEN	40	40	140	25	0.0	21	53		20	51		5	
ATRAZINE	40	40	140	25	0.0	19	48		21	53		8	
Octadecane	40	40	140	25	0.0	30	75		34	84		11	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments:

SVOA FORM 3

Instrument J

analytics environmental laboratory LLC

091710-J

ABN IS only#: S10106 EXP: 3/16/11

Tune File: ABN.u Date: 9/17/10 Loading Check: ALR

Voltage: 1953 Analyst: ALR Unloading Check: ALR

W-J-091710-1-ALR

Vial	Meth File	Sample	DF	Data File #	Comments
99		S9599 Col. Cmd.		J35839-40	
1	tunemix	S9836 tunemix 50ng		41T	✓
2		S10096 2/4 std		42	ok
2	SIM091710	S10119 0.05/0.1		43ST	✓
3		S10118 0.1/0.2		44	✓
4		S10117 0.2/0.4		45	✓
5		S10116 1/2		46	✓
6	ABN091710	S10115 2/4		47	✓
7		S10114 4/8		48	✓
8		S10113 10/20		49	✓
9		S10112 20/40		50	✓
10		S10111 40/80		51	✓
11		S10110 80/100		52	✓
12		S10109 100/200		53	✓
13		S10120 20/40 ICV		54	✓
14		S10121 2/4 ICV		55	✓
1	tunemix	S9836 tunemix 50ng		56T	✓
6	SIM091710	S10115 2/4		57S	✓
9	ABN091710	S10112 20/40		58S	✓
100		MeCl2 lot #J20S01		59	✓
15		B091610SIMASE		59B ~~60B~~	✓
16		L091610SIMASE		60Q 61Q	✓ } Rec. ok but ↑ RPD's
17		LD091610SIMASE		61Q 60Q	✓
18		M091610SIMASE-1		62 ~~63~~	✓
19			-2	63	✓
20			-3	64	↑ 2-Methylnaphthalene
21			-4	65	✓
22			-5	66	✓
23			-6	67	✓
24			-7	68	✓
25		67799-1		69	✓
26		-1,MS		70SP	✓
27		-1,MSD		71SP	✓
28		-2		72	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Cont. pg. 5

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 3 11/25/09

[4]

Instrument J

Analytics environmental laboratory LLC

101410-J

ABN ~~EPA~~ 10/15/10

IS only#: S10163 EXP: 4/14/11

Tune File: ABN.u Date: 10/14/10 Loading Check: ALR

Voltage: 1953 Analyst: ALR Unloading Check: [illegible]

W-J-101410-[illegible] ALR

Vial	Meth File	Sample	DF	Data File #	Comments
99		S9599 Col. Cond.		J36191-92	
1	tunemix	S10134 tunemix 50ng		93J	✓
2	ABN091710	S10156 20/40		94SC	RN ✓
2	(Add XtrAcqMth)	S10156 20/40		95SC	✓ ↑ Benzoic Acid + ↑ Benzyl Alcohol
3		B101210ABN, RN		96B	Confirms, bis 6.70 µg
4		L101210ABN, RN		97Q	✓
5		LD101210ABN, RN		98Q	✓ } Lab protocol
6		67958-13 SOW		99	Bis 0.97 µg LJ
7		-14 ↓		J36200	Bis at 0.61 µg LJ
8		68000-2 SOW		01	Bis at 1.48 µg LJ
9		67977-20RN PAHW		02	✓
10		67978-16RN ↓		03	✓
11		B100710AASE, RR		04B	✓
12		L100710AASE, RR		05Q	✓
13		LD070710AASE, RR		06Q	✓
14		LOD/LOQ100710AASE		07	
15		67771-2 LOD/LOQ		08	
16		-5		09	
17		67772-5		10	
18		-6 ↓	↓	11	
19	67958-1	~~67959-1~~	625	12	✓
20	67959-1	~~67960-1~~	↓	13	↓ Acid Surr.
21	67960-1	~~67993-1~~	↓	14	Bis 33.91 µg
22		67993-1, RN	Bis only	15	✓
23		67967-4 SOWASE		16	✓
24		-4, MS		17SP	✓
25		-4, MSD		18SP	✓ } failures due to matrix
26		-3		19	✓
27		-2		20	✓
28		-1 ↓		21	✓
29		67995-1 625		22	✓
30		67957-1 625	2	23	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

SEMIVOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 68000
DFTPP File ID: J35841T.D
DFTPP Injection Date: 09/17/10
DFTPP Injection Time: 22:49

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10115 2/4	J35847SI.D	9/18/10 1:01
S10114 4/8	J35848SI.D	9/18/10 1:22
S10113 10/20	J35849SI.D	9/18/10 1:43
S10112 20/40	J35850SI.D	9/18/10 2:04
S10111 40/80	J35851SI.D	9/18/10 2:25
S10110 50/100	J35852SI.D	9/18/10 2:46
S10109 100/200	J35853SI.D	9/18/10 3:07
S10120 20/40 ICV	J35854.D	9/18/10 3:28

Refer to the DFTPP report J35841T.D for ion ratio evaluation.

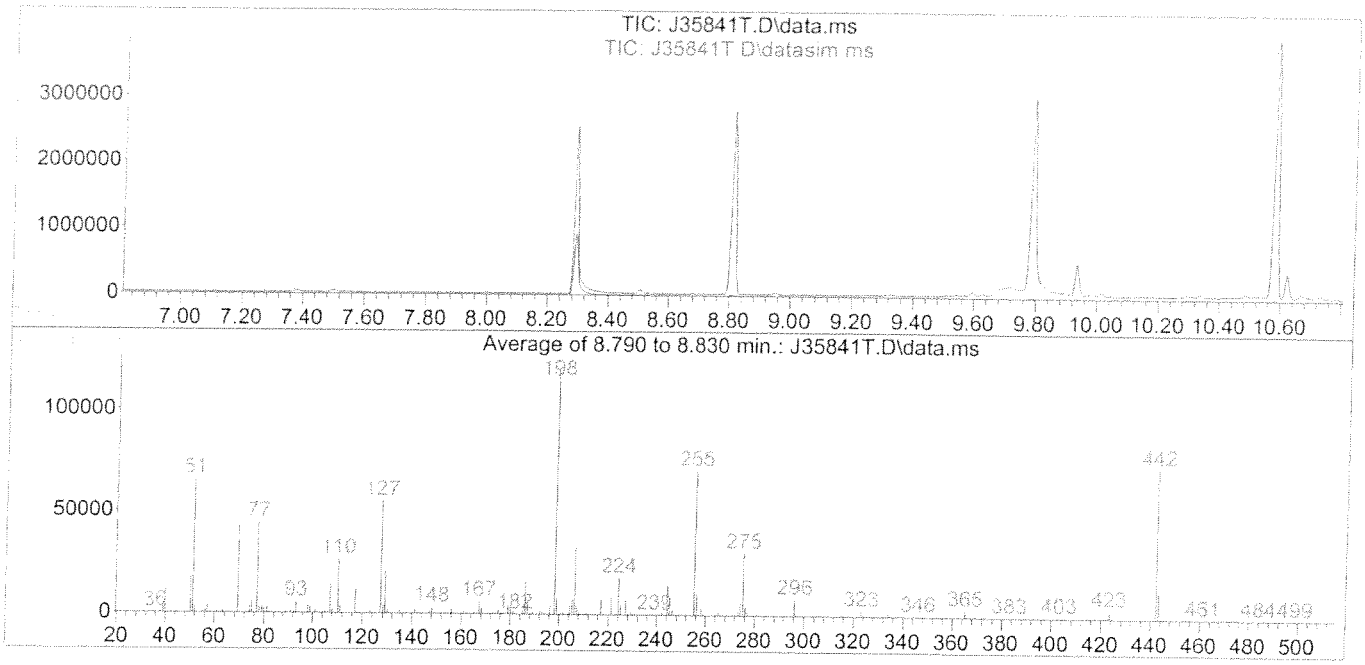
SVOA FORM 5

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIX.M
Title : ABN FULL SCAN
Last Update : Wed Sep 15 23:56:57 2010

MV 9/18/10



Spectrum Information: Average of 8.790 to 8.830 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.4	65631	PASS
68	69	0.00	2	0.0	10	PASS
69	198	0.00	100	35.9	43354	PASS
70	69	0.00	2	0.6	243	PASS
127	198	40	60	45.7	55151	PASS
197	198	0.00	1	0.0	3	PASS
198	198	100	100	100.0	120631	PASS
199	198	5	9	6.8	8242	PASS
275	198	10	30	25.4	30639	PASS
365	198	1	100	2.9	3446	PASS
441	443	0.01	100	6.9	917	PASS
442	198	40	100	61.1	73663	PASS
443	442	17	23	18.2	13379	PASS

J92010

SEMI-VOLATILE
TUNE MIX CHECK

9/18/10

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35841T.D**
Date Acquired **9/17/2010 22:49**

Name	Target Response
Pentachlorophenol	375964.00
Benzidine	1465270.00
DDE	1676.00
DDD	24137
DDT	852693

(0% - 20%)

%DDT BREAKDOWN = 2.94% **OK** ✓

J92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	8.294	266	375964	25.71 ug/ml	99
2) DFTPP	8.812	198	326277	27.01 ug/ml	97
3) Benzidine	9.792	184	1465270	23.68 ug/ml	99
4) DDE	9.973	246	1676	1.14 ug/ml	99
5) DDD	10.293	235	24137	1.50 ug/ml#	71
6) DDT	10.586	235	852693	27.79 ug/ml	99

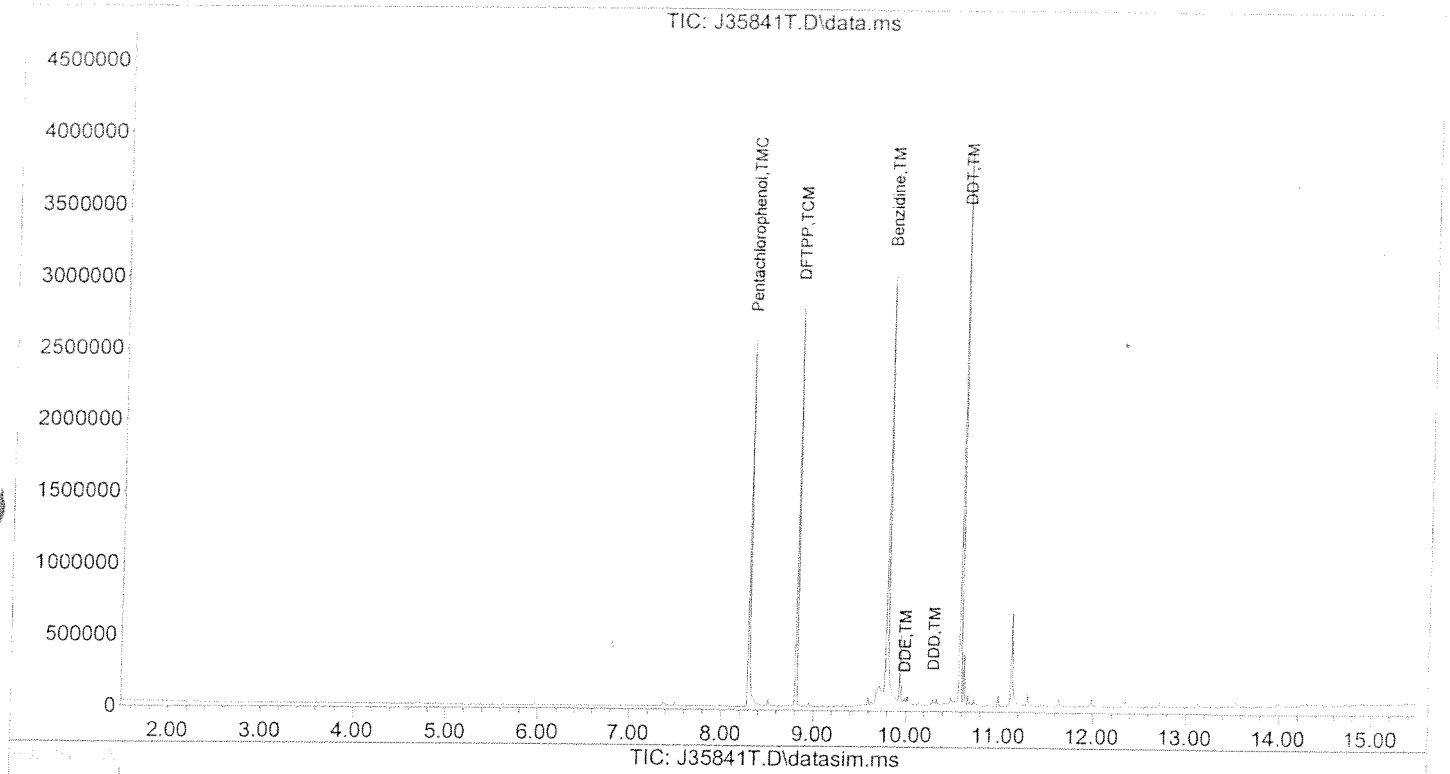
(#) = qualifier out of range (m) = manual integration (+) = signals summed

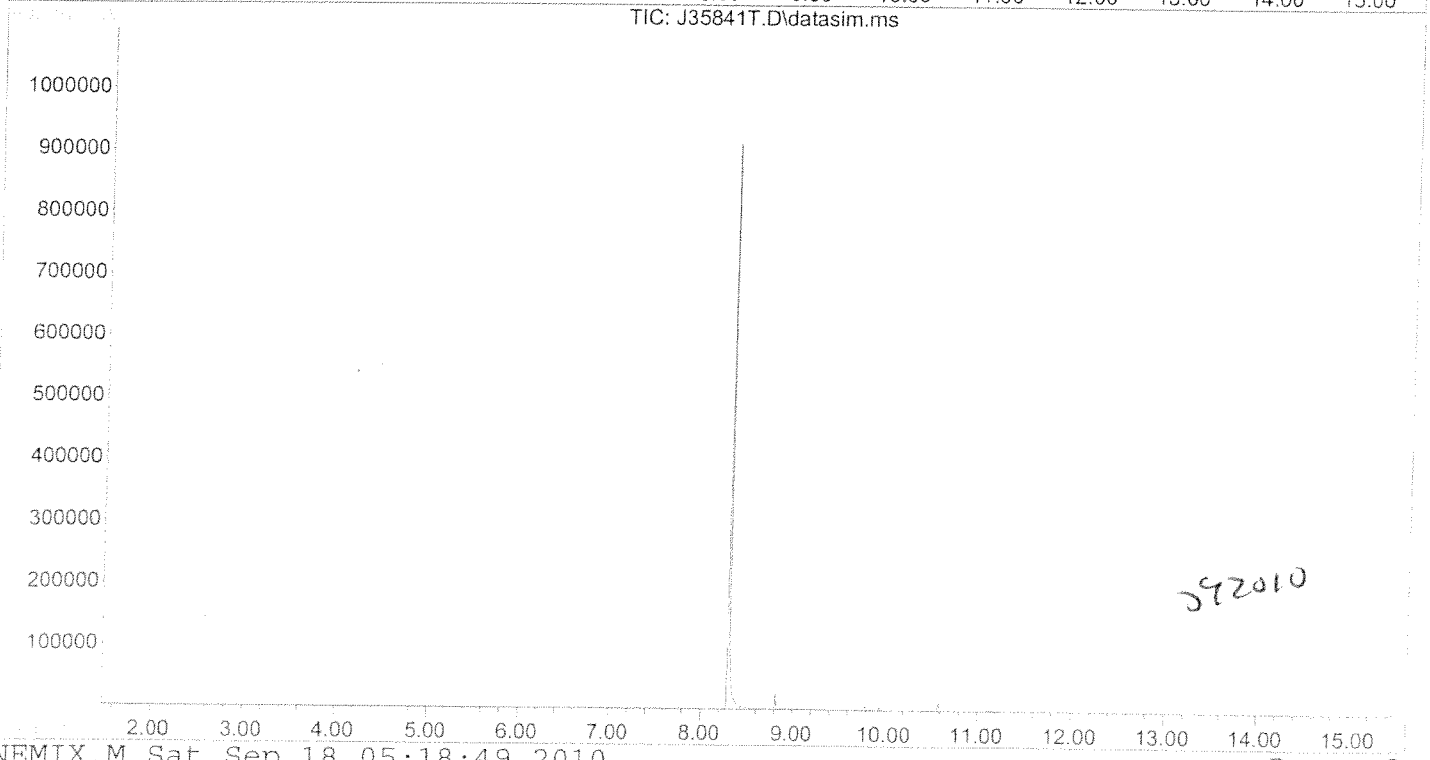
9/2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10





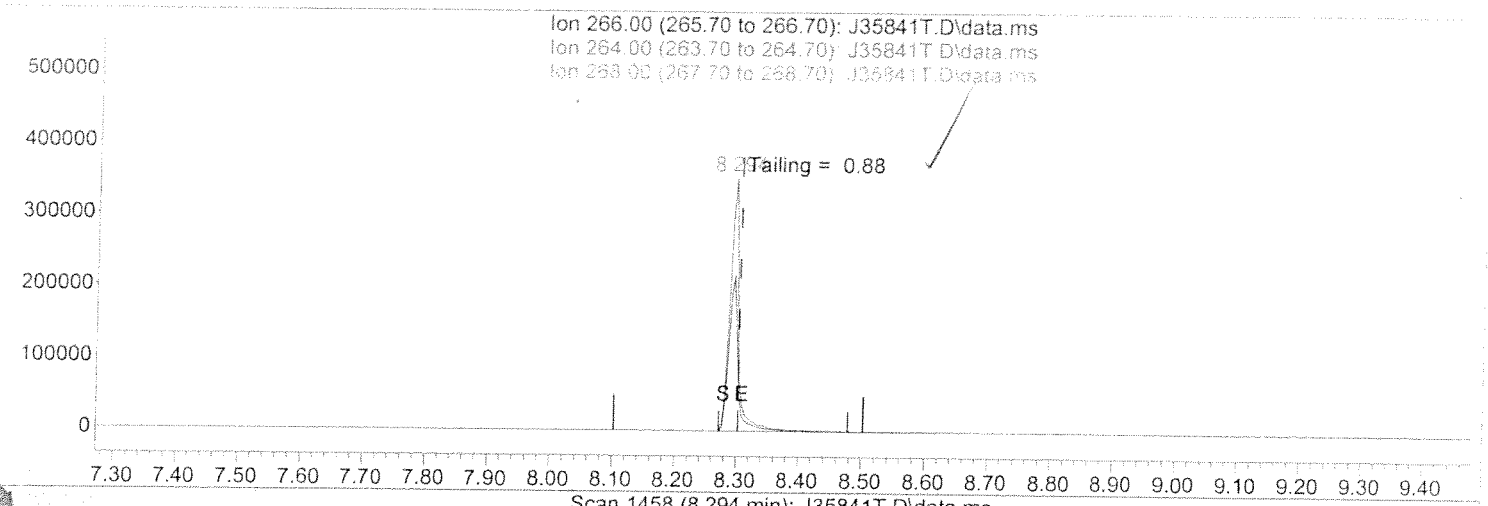
5/2010

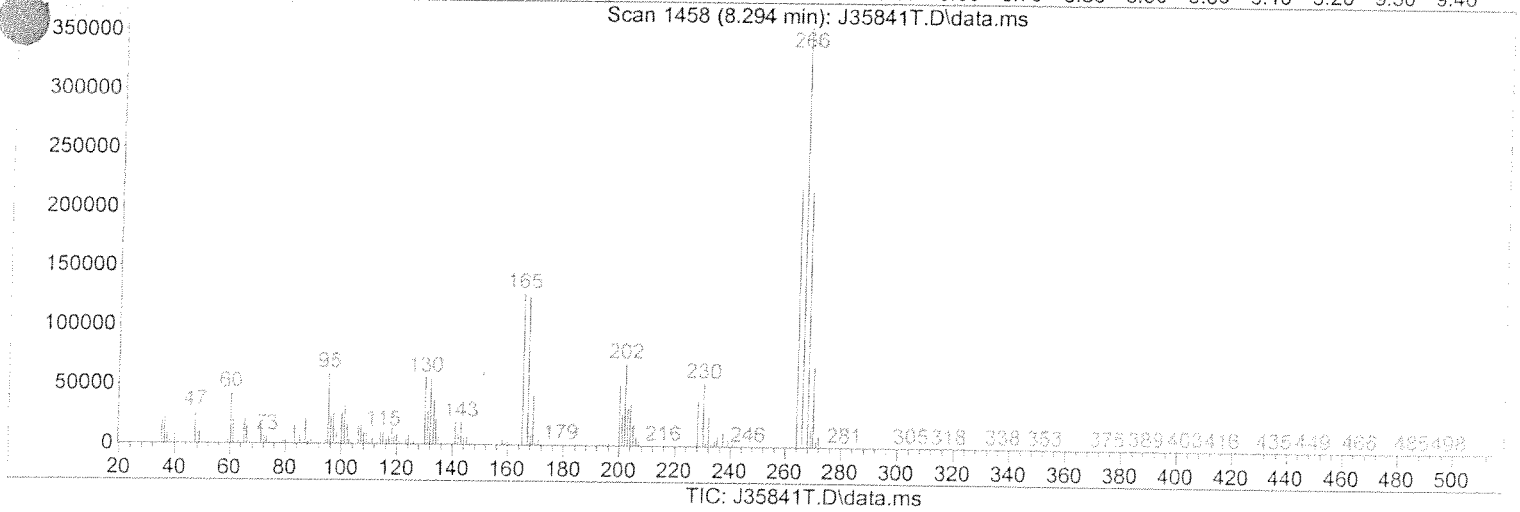
TUNEMIX.M Sat Sep 18 05:18:49 2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10





(1) Pentachlorophenol (TMC)

8.294min (-0.009) 25.71ug/ml

response 375964

Ion	Exp%	Act%
266.00	100	100
264.00	62.10	62.66
268.00	59.70	61.00
0.00	0.00	0.00

3/92010

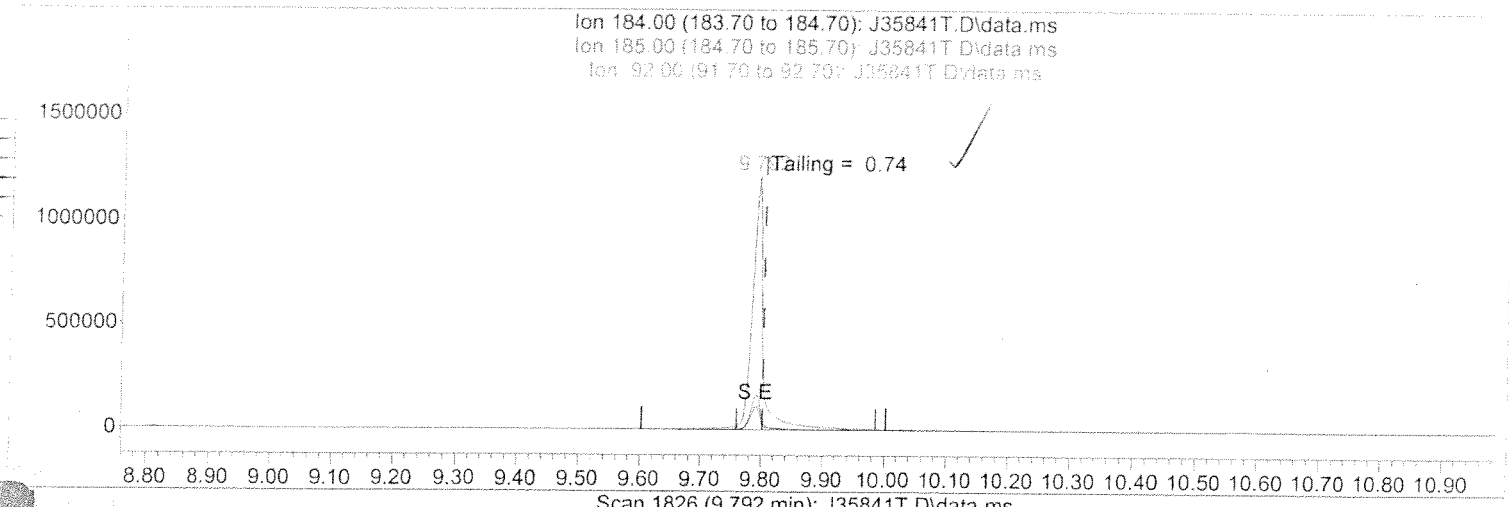
TUNEMIX.M Sat Sep 18 05:18:56 2010

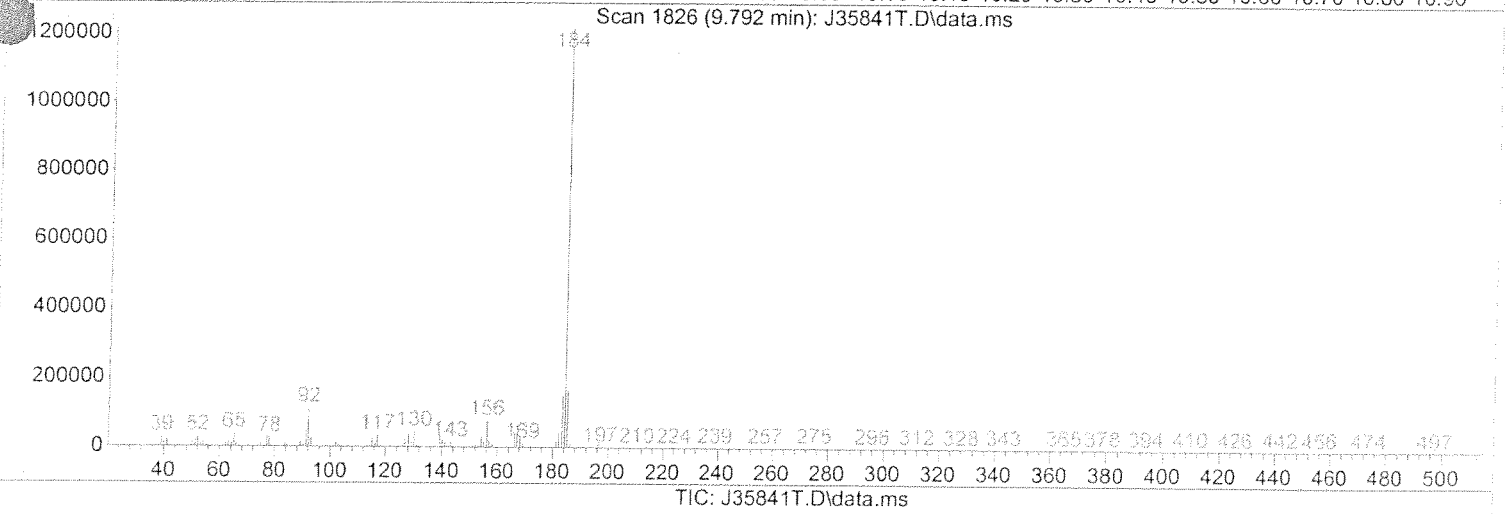
Page: 1

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10





(3) Benzidine (TM)

9.792min (-0.011) 23.68ug/ml

response 1465270

Ion	Exp%	Act%
184.00	100	100
185.00	12.90	13.24
92.00	9.10	9.25
0.00	0.00	0.00

J92010

SEMIVOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 68000
DFTPP File ID: J36193T.D
DFTPP Injection Date: 10/15/10
DFTPP Injection Time: 3:25

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10156 20/40	J36195SC.D	10/15/10 4:13
B101210AW,,RR	J36196B.D	10/15/10 4:53
L101210AW,,RR	J36197Q.D	10/15/10 5:14
LD101210AW,,RR	J36198Q.D	10/15/10 5:35
68000-2	J36201.D	10/15/10 6:38

Refer to the DFTPP report J36193T.D for ion ratio evaluation.

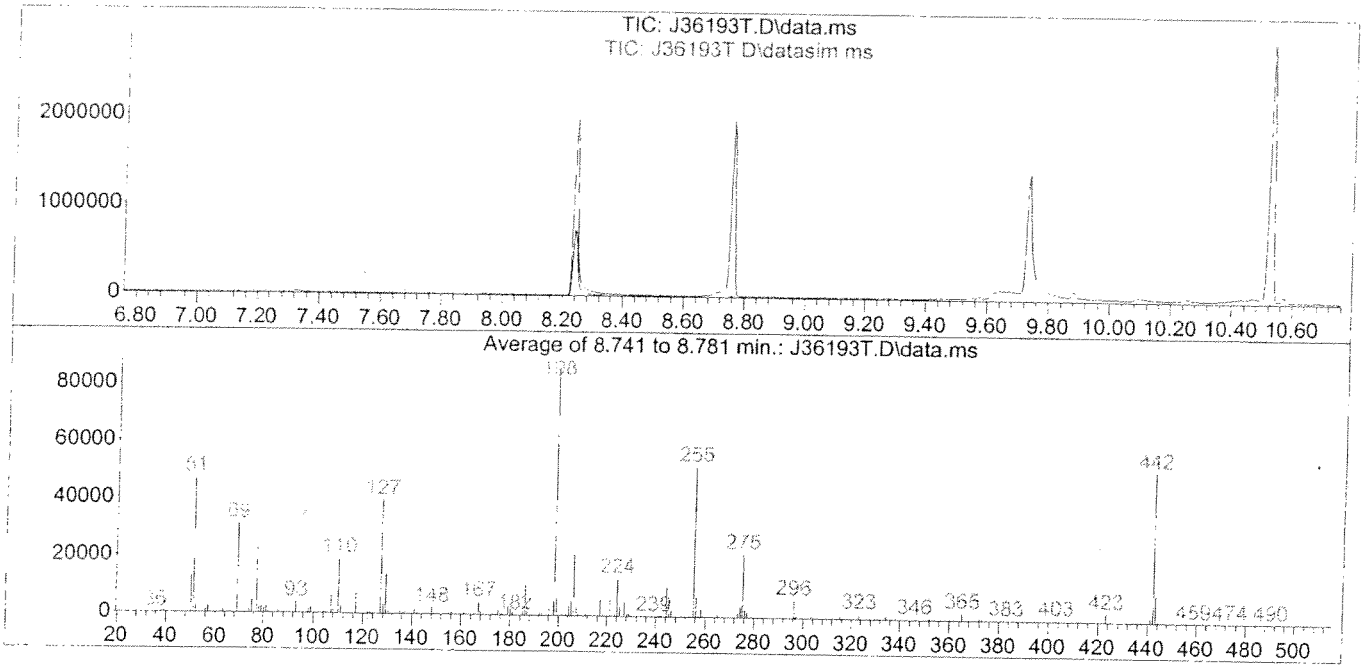
SVOA FORM 5

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIX.M
Title : ABN FULL SCAN
Last Update : Tue Sep 28 04:55:57 2010

10/17/10



Spectrum Information: Average of 8.741 to 8.781 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.5	46966	PASS
68	69	0.00	2	0.1	30	PASS
69	198	0.00	100	36.0	31052	PASS
70	69	0.00	2	0.5	154	PASS
127	198	40	60	46.0	39651	PASS
197	198	0.00	1	0.0	9	PASS
198	198	100	100	100.0	86222	PASS
199	198	5	9	7.0	6035	PASS
275	198	10	30	25.7	22175	PASS
365	198	1	100	3.0	2594	PASS
441	443	0.01	100	19.7	1832	PASS
442	198	40	100	60.6	52230	PASS
443	442	17	23	17.8	9310	PASS

J101810

SEMI-VOLATILE
TUNE MIX CHECK

10/14/10

Sample Name **S10134 TUNEMIX 50NG**
Data File Name **J36193T.D**
Date Acquired **10/15/2010 3:25**

Name	Target Response
Pentachlorophenol	298350.00
Benzidine	842465.00
DDE	231.00
DDD	152
DDT	626276

(0% - 20%)

%DDT BREAKDOWN = 0.06% **OK** ✓

J101810

10/15/2010 5:38 AM

C:\msdchem\custrpt\ABN CUSTRPT\TUNEMIX.CRT

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration

MN 10/17/10

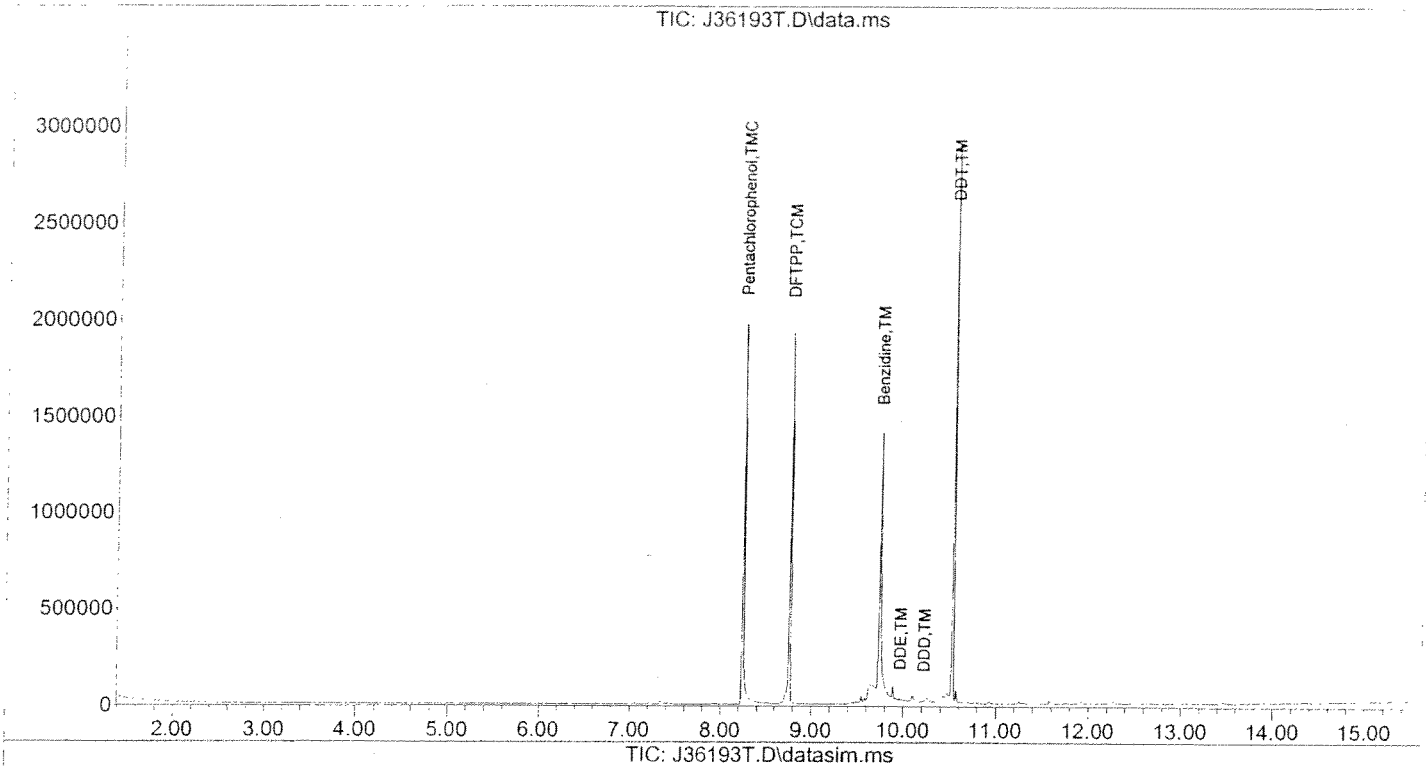
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	8.241	266	296299	20.26 ug/ml	100
2) DFTPP	8.759	198	250987	20.78 ug/ml	100
3) Benzidine	9.736	184	817938	13.22 ug/ml	99
4) DDE	9.970	246	231	0.16 ug/ml	100
5) DDD	10.219	235	152	0.01 ug/ml#	1
6) DDT	10.525	235	626416	20.41 ug/ml	100

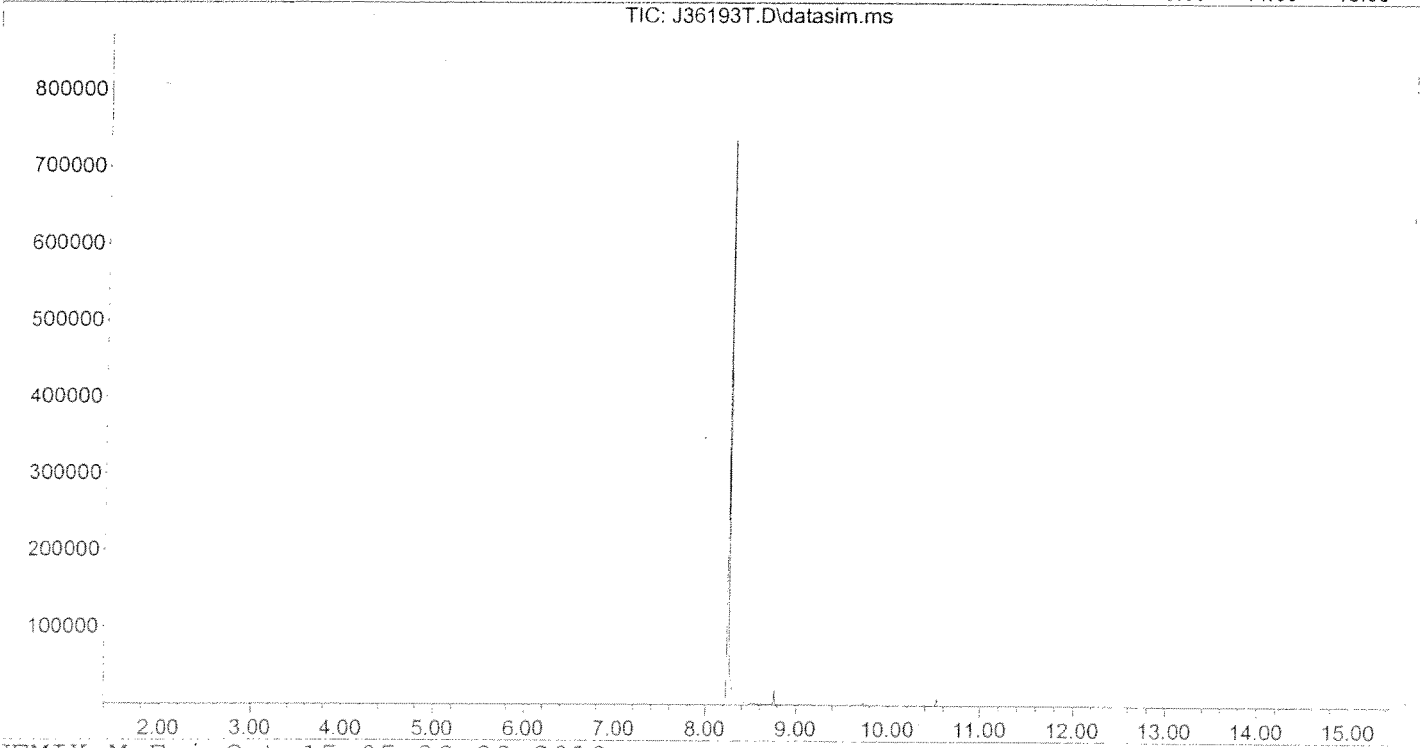
(#) = qualifier out of range (m) = manual integration (+) = signals summed

3101310

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration

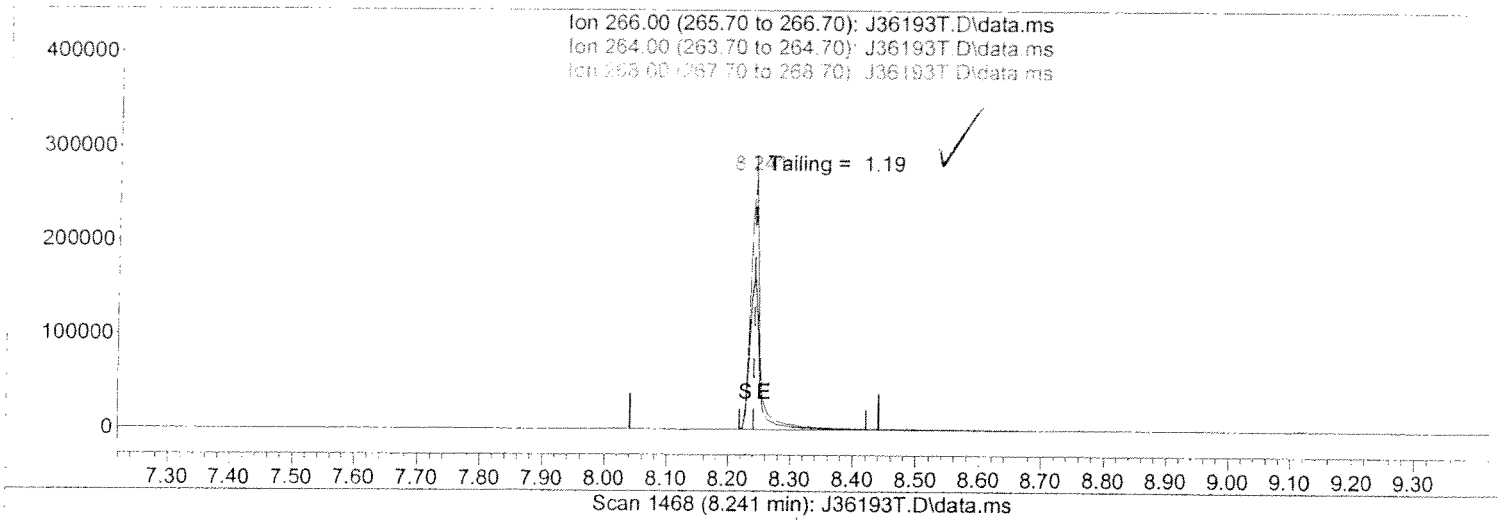


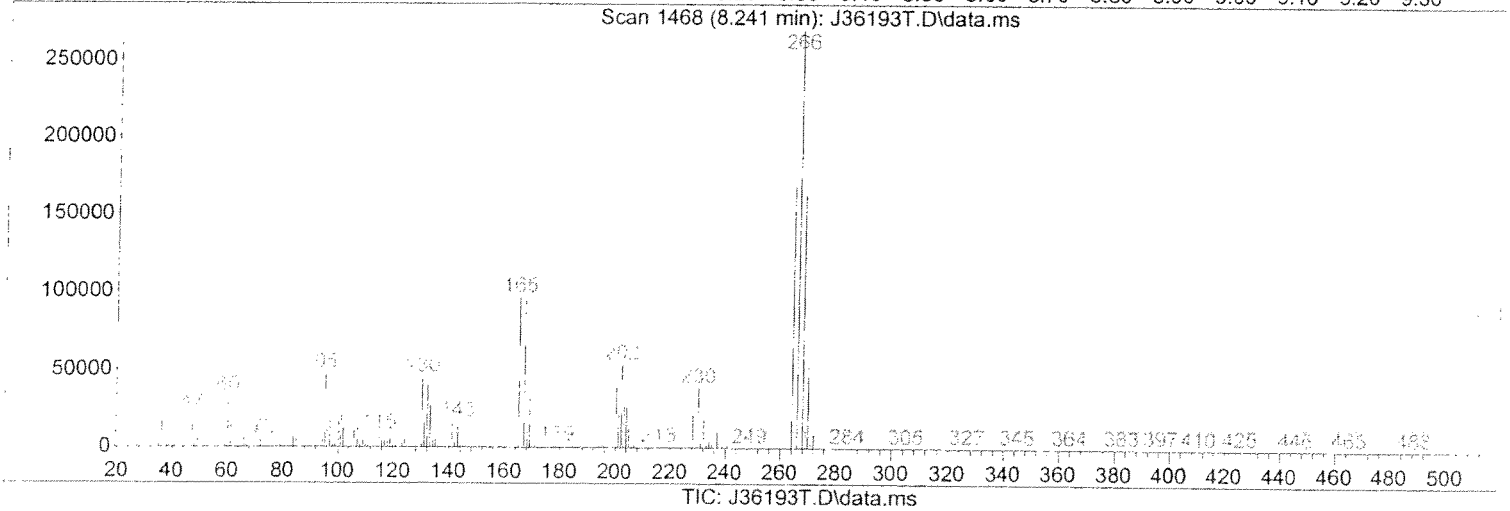


Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

10/17/10

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration





(1) Pentachlorophenol (TMC)

8.241min (0.000) 20.26ug/ml

response 296299

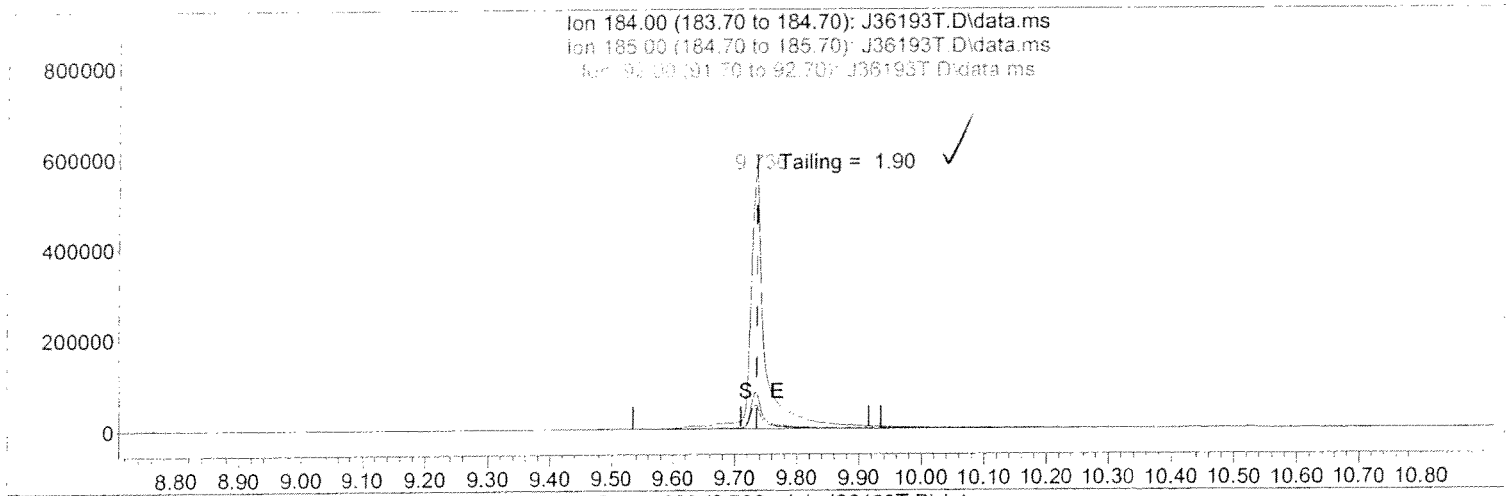
Ion	Exp%	Act%
266.00	100	100
264.00	63.20	63.17
268.00	61.30	61.35
0.00	0.00	0.00

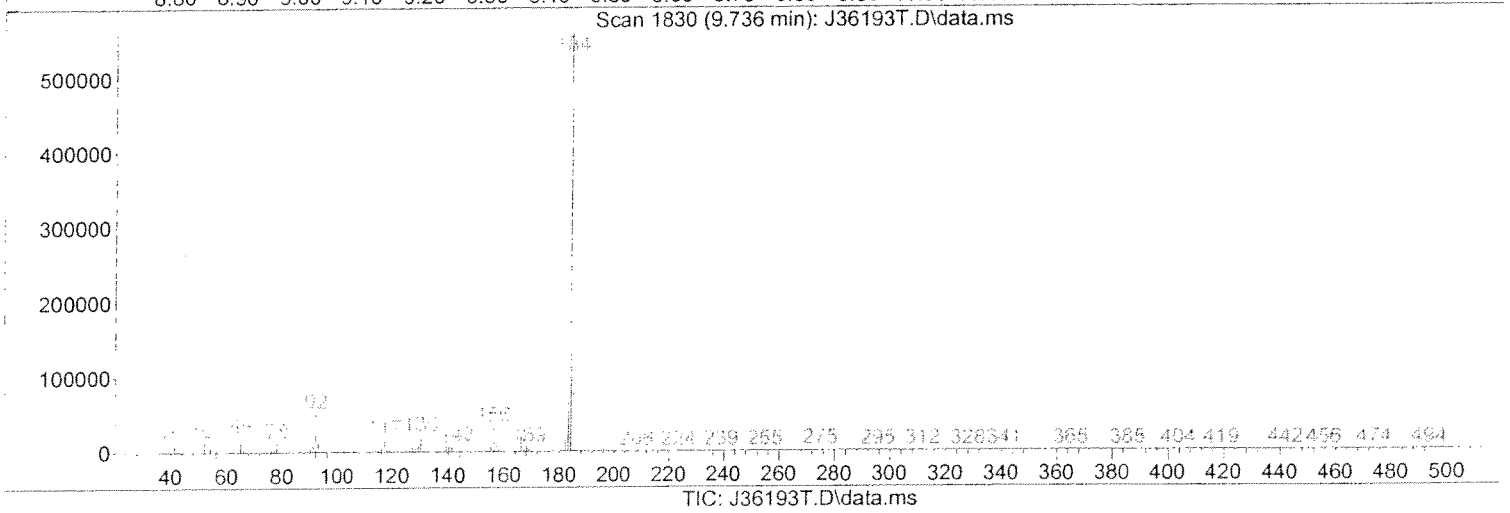
J101810

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

10/17/10

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration





(3) Benzidine (TM)

9.736min (0.000) 13.22ug/ml

response 817938

Ion	Exp%	Act%
184.00	100	100
185.00	14.60	14.47
92.00	9.50	9.80
0.00	0.00	0.00

J101810

Method Path : C:\msdchem\1\METHODS\
Method File : ABN091710.M
Title : ABN FULL SCAN
Last Update : Sat Sep 18 04:59:49 2010
Response Via : Initial Calibration

MY 9/18/10

Calibration Files
2 =J35847SI.D 4 =J35848SI.D 10 =J35849SI.D 20 =J35850SI.D 40 =J35851SI.D 50 =J35852SI.D
100 =J35853SI.D

		Compound	2	4	10	20	40	50	100	Avg	%RSD
1)	I	d4-1,4-dichloroben...	----------ISTD----------								
2)	TM	Pyridine	1.225	1.254	1.295	1.326	1.332	1.355	1.328	1.302	3.61
3)	TM	N-nitrosodimet...	0.643	0.688	0.705	0.720	0.739	0.741	0.721	0.708	4.85
4)	S	2-Fluorophenol	1.146	1.175	1.188	1.206	1.192	1.180	1.100	1.170	3.08
5)	S	d5-Phenol	1.419	1.463	1.440	1.409	1.328	1.300	1.198	1.365	6.91
6)	TM	Aniline	1.944	1.931	1.905	1.883	1.796	1.772	1.678	1.844	5.34
7)	TMC	Phenol	1.481	1.511	1.484	1.435	1.351	1.326	1.215	1.400	7.68
8)	TM	2-Chlorophenol	1.321	1.314	1.296	1.245	1.186	1.168	1.065	1.228	7.65
9)	TM	bis(2-chloroet...	1.138	1.092	1.177	1.219	1.244	1.267	1.131	1.181	5.48
0)	TM	1,3-Dichlorobe...	1.631	1.675	1.632	1.614	1.575	1.530	1.419	1.582	5.41
1)	TMC	1,4-Dichlorobe...	1.584	1.572	1.536	1.554	1.492	1.487	1.371	1.514	4.82
2)	TM	1,2-Dichlorobe...	1.548	1.617	1.584	1.559	1.520	1.498	1.390	1.531	4.80
3)	TM	Benzyl Alcohol	0.520	0.630	0.682	0.689	0.714	0.711	0.722	0.667	10.74
4)	TM	2-Methylphenol	1.096	1.144	1.041	1.036	0.927	0.916	0.827	0.998	11.21
5)	TM	bis(2-chlorois...	3.031	3.041	2.739	2.527	2.166	2.013	1.783	2.471	20.16 Q
6)	TM	3+4-Methylphenol	1.060	1.132	1.066	1.035	0.878	0.852	0.834	0.980	12.35
7)	TM	Hexachloroethane	0.588	0.585	0.564	0.542	0.447	0.403	0.424	0.508	15.73 Q
8)	TMP	N-nitroso-di-n...	0.715	0.702	0.721	0.726	0.680	0.628	0.545	0.674	9.78
9)	I	d8-Naphthalene	----------ISTD----------								
0)	S	d5-nitrobenzene	0.380	0.377	0.369	0.345	0.327	0.322	0.297	0.345	9.15
1)	TM	Nitrobenzene	0.207	0.209	0.207	0.192	0.185	0.183	0.165	0.193	8.45
2)	TM	Isophorone	0.652	0.685	0.687	0.642	0.638	0.624	0.567	0.642	6.36
3)	TCM	2-Nitrophenol	0.234	0.244	0.252	0.237	0.222	0.217	0.193	0.228	8.56
4)	TM	2,4-Dimethylph...	0.394	0.401	0.414	0.377	0.354	0.348	0.319	0.372	9.08
5)	TM	Bis(2-chloroet...	0.448	0.443	0.455	0.444	0.430	0.429	0.401	0.436	4.11
6)	TCM	2,4-Dichloroph...	0.373	0.370	0.387	0.350	0.323	0.318	0.285	0.344	10.60
7)	TM	Benzoic Acid	0.104	0.120	0.176	0.194	0.229	0.231	0.246	0.186	30.10 Q
8)	TM	1,2,4-Trichlor...	0.463	0.444	0.445	0.415	0.397	0.391	0.358	0.416	8.88
9)	TM	Naphthalene	1.147	1.162	1.106	1.084	1.031	1.011	0.887	1.061	8.94
0)	T	2,6-Dichloroph...	0.345	0.349	0.320	0.312	0.292	0.285	0.250	0.308	11.36

J92010

Method Path : C:\msdchem\1\METHODS\
Method File : ABN091710.M
Title : ABN FULL SCAN

1)	TM	4-Chloroaniline	0.517	0.534	0.502	0.477	0.413	0.393	0.329	0.452	16.72 Q
2)	TCM	Hexachlorobuta...	0.259	0.267	0.254	0.249	0.235	0.228	0.205	0.242	8.83
3)	TMC	4-Chloro-3-met...	0.319	0.336	0.322	0.312	0.289	0.281	0.249	0.301	9.91
4)	TM	2-Methylnaphth...	0.718	0.698	0.664	0.661	0.606	0.588	0.518	0.636	10.94
5)	I	d10-Acenaphthene	----------ISTD----------								
6)	TPM	Hexachlorocycl...	0.224	0.301	0.367	0.408	0.407	0.404	0.368	0.354	19.37 Q
7)	TCM	2,4,6-Trichlor...	0.440	0.464	0.444	0.443	0.406	0.389	0.359	0.421	8.81
8)	TM	2,4,5-Trichlor...	0.518	0.520	0.526	0.513	0.469	0.448	0.373	0.481	11.64
9)	S	2-Fluorobiphenyl	1.506	1.515	1.387	1.330	1.174	1.105	0.940	1.280	16.81 Q
0)	TM	2-Chloronaphth...	1.408	1.340	1.258	1.202	1.074	1.023	0.901	1.172	15.47 Q
1)	TM	2-Nitroaniline	0.485	0.522	0.539	0.558	0.542	0.532	0.487	0.524	5.33
2)	TM	2,6-Dinitrotol...	0.330	0.360	0.366	0.370	0.327	0.313	0.277	0.335	9.97
3)	TM	Dimethyl Phtha...	1.662	1.675	1.586	1.596	1.448	1.401	1.255	1.517	10.22
4)	TM	Acenaphthylene	2.159	2.151	1.990	1.980	1.792	1.689	1.449	1.887	13.75
5)	TM	3-Nitroaniline	0.336	0.364	0.305	0.283	0.270	0.261	0.248	0.295	14.29
6)	TMC	Acenaphthene	1.318	1.343	1.261	1.226	1.149	1.078	0.933	1.187	12.22
7)	TPM	2,4-dinitrophenol	0.029	0.075	0.146	0.182	0.212	0.212	0.207	0.152	48.19 Q
8)	TM	Dibenzofuran	2.095	2.190	2.104	2.006	1.844	1.756	1.518	1.930	12.31
9)	TMP	4-Nitrophenol	0.123	0.153	0.173	0.178	0.168	0.163	0.150	0.158	11.77
0)	TM	2,4-Dinitrotol...	0.446	0.472	0.464	0.444	0.404	0.396	0.357	0.426	9.78
1)	T	2,3,4,6-Tetrac...	0.381	0.413	0.418	0.405	0.385	0.371	0.333	0.387	7.53
2)	TM	Fluorene	1.645	1.628	1.550	1.437	1.322	1.276	1.092	1.421	14.33
3)	TM	Diethyl Phthalate	1.652	1.625	1.551	1.493	1.331	1.268	1.114	1.433	14.01
4)	TM	4-Chlorophenyl...	0.821	0.805	0.778	0.724	0.678	0.631	0.520	0.708	15.19 Q
5)	TM	4-Nitroaniline	0.255	0.185	0.244	0.283	0.322	0.320	0.288	0.271	17.79 Q
6)	TM	4,6-Dinitro-2-...	0.145	0.213	0.268	0.282	0.290	0.274	0.254	0.246	20.85 Q
7)	TCM	n-nitrosodiphe...	1.150	1.174	1.123	1.064	0.958	0.935	0.802	1.030	13.22
8)	TM	Azobenzene	1.324	1.362	1.315	1.234	1.219	1.175	0.978	1.230	10.51
9)	TM	Biphenyl	1.685	1.693	1.563	1.490	1.267	1.189	1.015	1.415	18.50 Q
0)	S	2,4,6-Tribromo...	0.203	0.230	0.224	0.223	0.219	0.212	0.195	0.215	5.78
1)	I	d10-Phenanthrene	----------ISTD----------								
2)	TM	4-bromophenyl ...	0.273	0.285	0.283	0.269	0.260	0.249	0.234	0.265	6.95
3)	TM	Hexachlorobenzene	0.308	0.303	0.293	0.278	0.281	0.270	0.251	0.283	6.95
4)	TMC	Pentachlorophenol	—	0.145	0.170	0.174	0.178	0.177	0.163	0.168	7.28
5)	TM	Phenanthrene	1.278	1.278	1.204	1.149	1.117	1.090	1.011	1.161	8.54
6)	TM	Anthracene	1.342	1.338	1.274	1.203	1.122	1.087	0.986	1.193	11.29
7)	TM	Carbazole	1.134	1.033	0.802	0.697	0.659	0.651	0.669	0.806	24.55 Q
8)	TM	Di-n-butyl pht...	1.522	1.553	1.521	1.427	1.356	1.299	1.202	1.411	9.33
9)	TCM	Fluoranthene	1.455	1.504	1.399	1.281	1.194	1.151	1.055	1.291	12.99

PK 9/18/10

J59.20W

Method Path : C:\msdchem\1\METHODS\
Method File : ABN091710.M
Title : ABN FULL SCAN

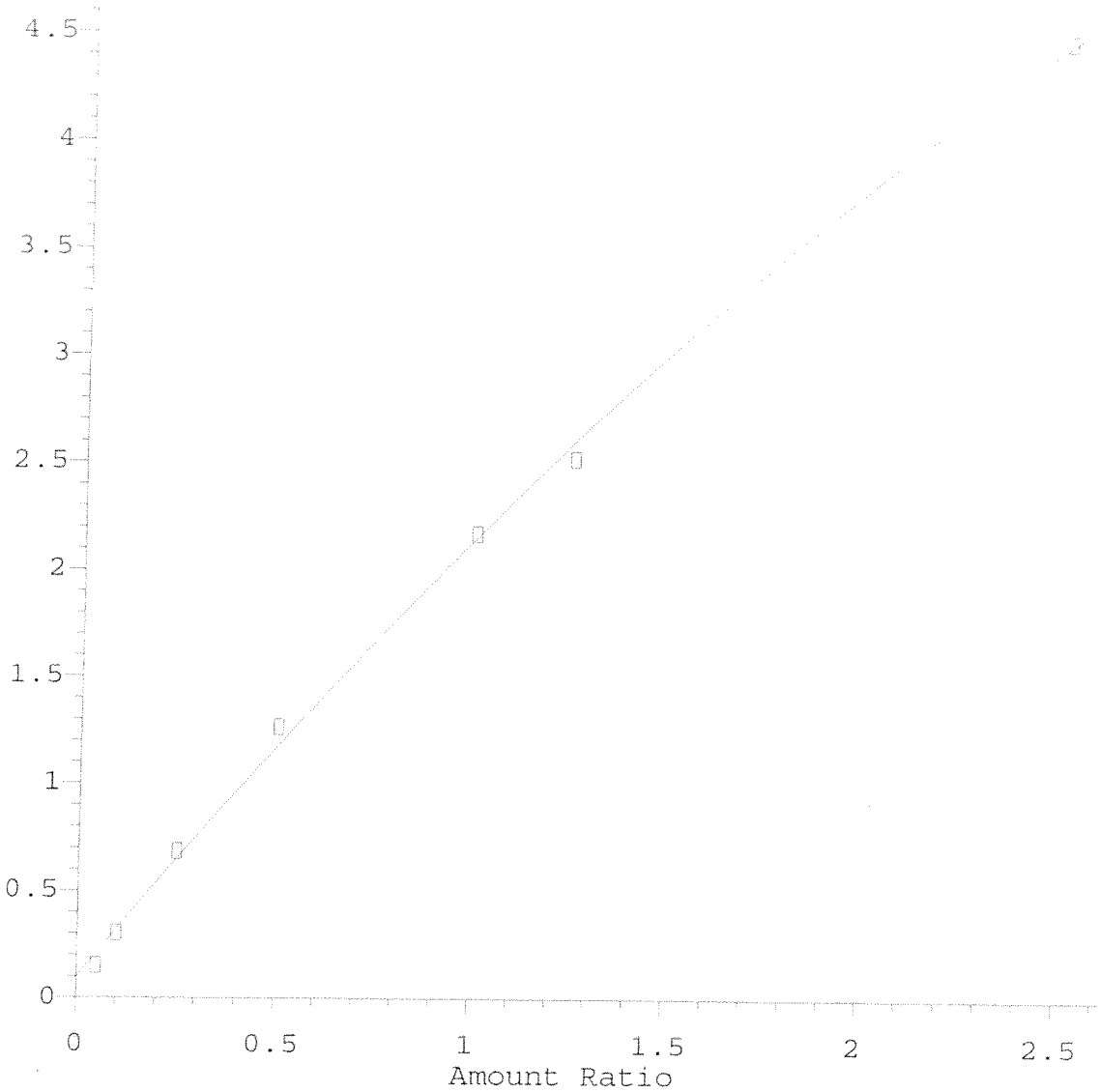
70)	TM	Benzidine	0.160	0.188	0.230	0.263	0.261	0.238	0.165	0.215	20.35
71)	I	d12-Chrysene	----------ISTD----------								
72)	TM	Pyrene	1.422	1.458	1.374	1.338	1.278	1.245	1.210	1.332	6.94
73)	S	d14-p-terphenyl	0.805	0.814	0.751	0.714	0.693	0.671	0.648	0.728	8.85
74)	TM	Butyl benzyl p...	0.628	0.657	0.652	0.652	0.637	0.625	0.596	0.635	3.36
75)	TM	Benzo[a]anthra...	1.178	1.195	1.105	1.108	1.087	1.088	1.060	1.117	4.47
76)	TM	Chrysene	1.171	1.184	1.129	1.117	1.105	1.075	1.039	1.117	4.54
77)	TM	3,3'-Dichlorob...	0.335	0.341	0.296	0.282	0.269	0.266	0.260	0.293	11.38
78)	TM	Bis (2-ethylhe...	0.820	0.856	0.836	0.829	0.806	0.799	0.753	0.814	4.05
79)	I	d12-Perylene	----------ISTD----------								
80)	TCM	di-n-octyl-pht...	1.533	1.598	1.599	1.549	1.498	1.441	1.316	1.505	6.66
81)	TM	Benzo[b] fluor...	1.240	1.217	1.215	1.125	1.150	1.179	1.343	1.210	5.90
82)	TM	Benzo[k] fluor...	1.271	1.283	1.177	1.185	1.019	1.018	0.720	1.096	17.99 Q
83)	TCM	Benzo[a] pyrene	1.225	1.243	1.221	1.165	1.134	1.104	1.041	1.162	6.37
84)	TM	Indeno [1,2,3-...	0.866	0.932	0.978	0.958	1.002	1.066	0.948	0.964	6.39
85)	TM	Dibenz [a,h] a...	1.010	1.032	1.015	0.976	0.978	1.008	0.868	0.984	5.56
86)	TM	Benzo(g,h,i) ...	1.154	1.125	1.086	1.027	1.017	1.073	0.889	1.053	8.30

#) = Out of Range

9/18/10

092010

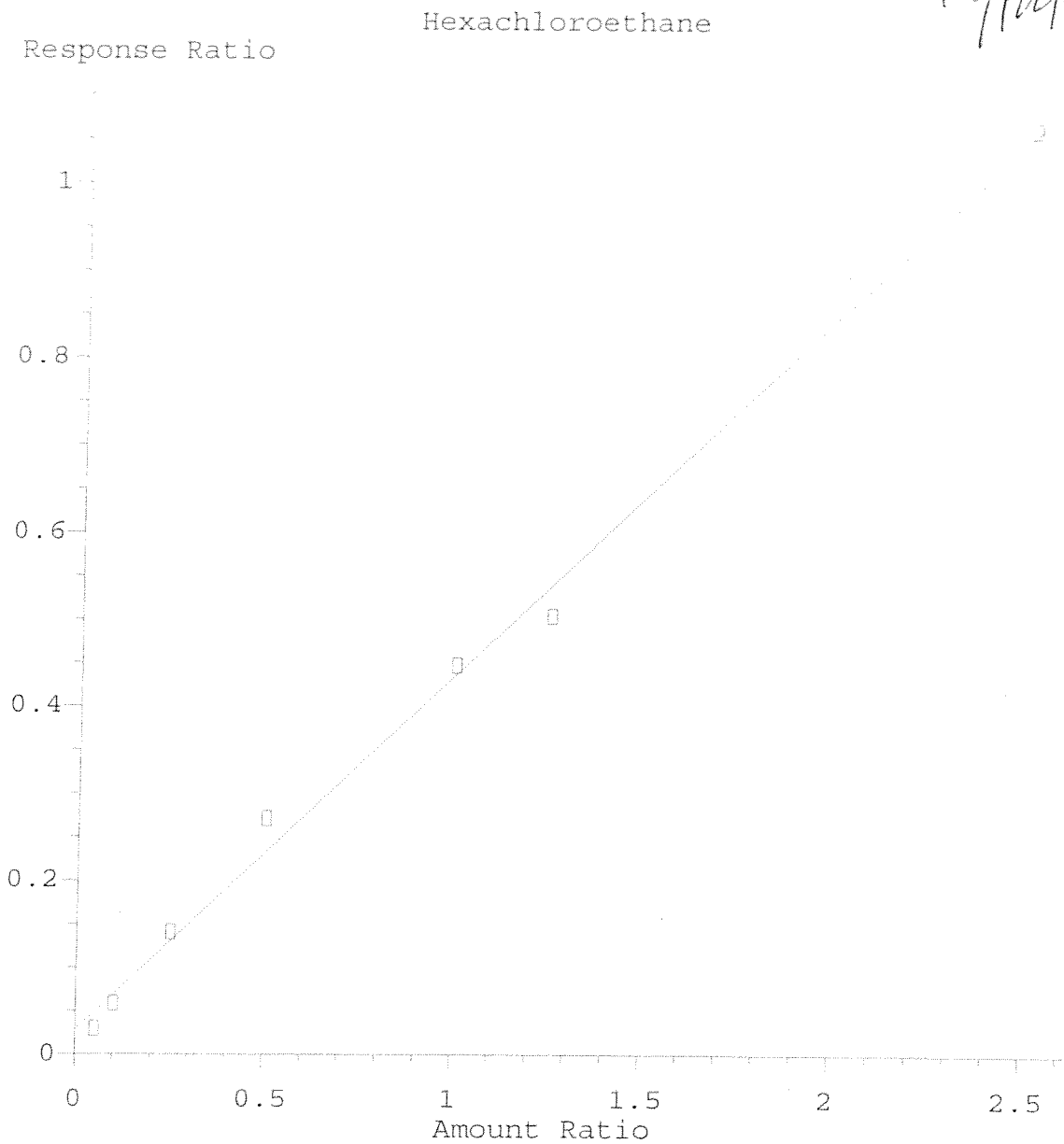
bis(2-chloroisopropyl)ether



R = -2.08e-001 A*A + 2.26e+000 A + 9.77e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 04:59:49 2010

MN 9/22/10

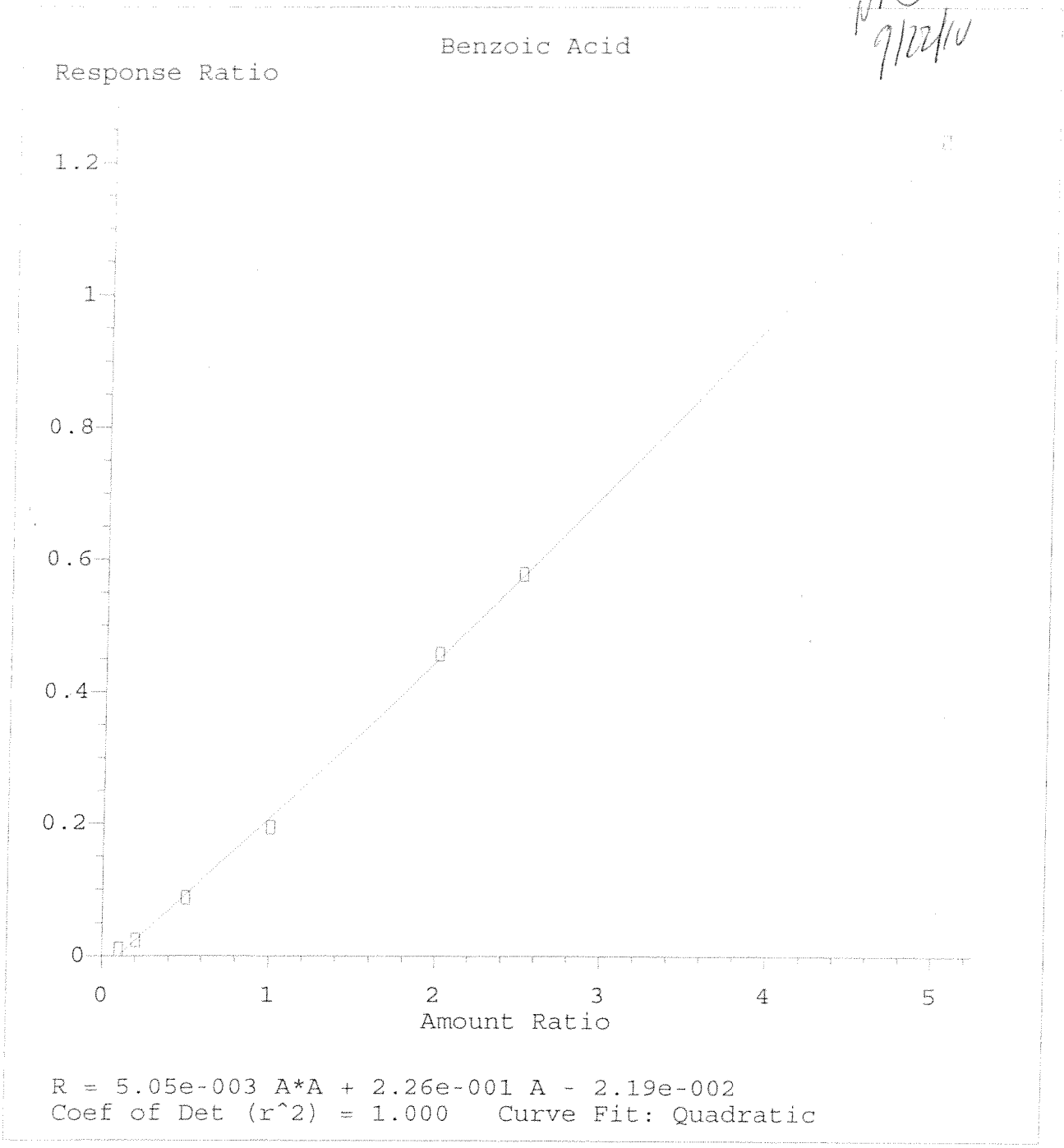


R = 1.61e-003 A*A + 4.07e-001 A + 2.84e-002
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:05:35 2010

J92210

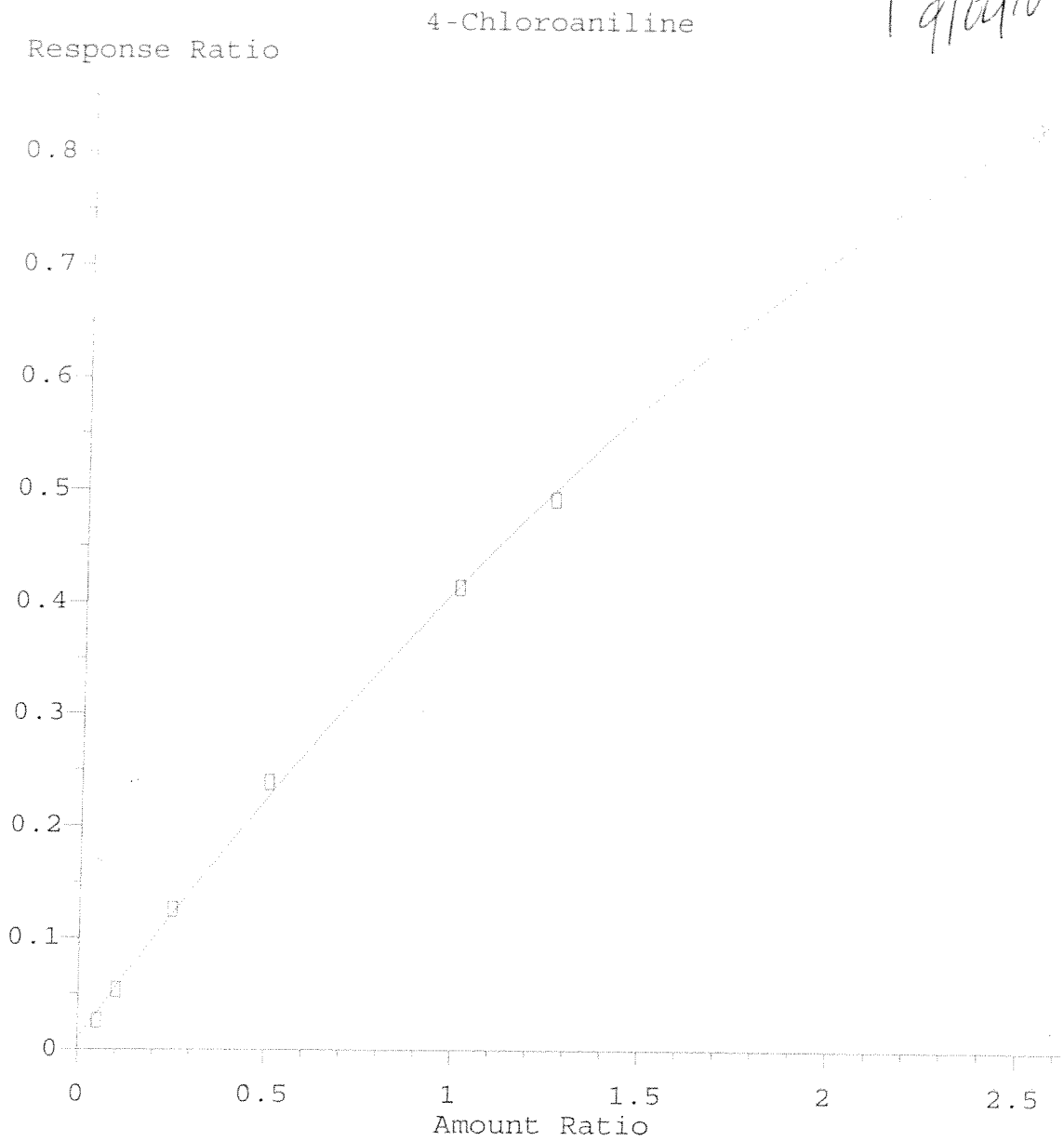
9/22/10



Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:05:44 2010

S92210

9/22/10



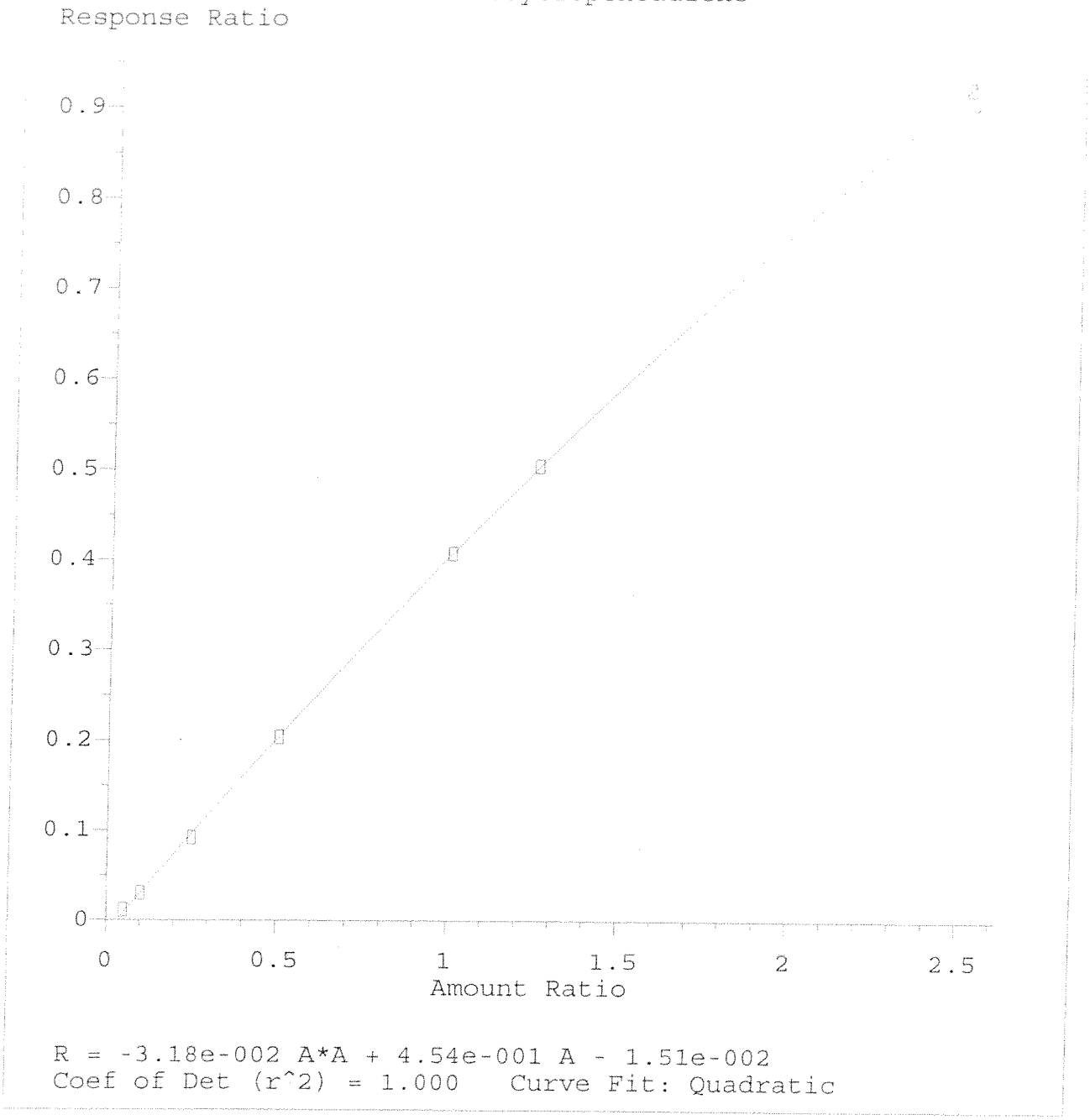
R = -5.37e-002 A*A + 4.58e-001 A + 1.04e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:05:54 2010

S92210

PN 9/22/10

Hexachlorocyclopentadiene

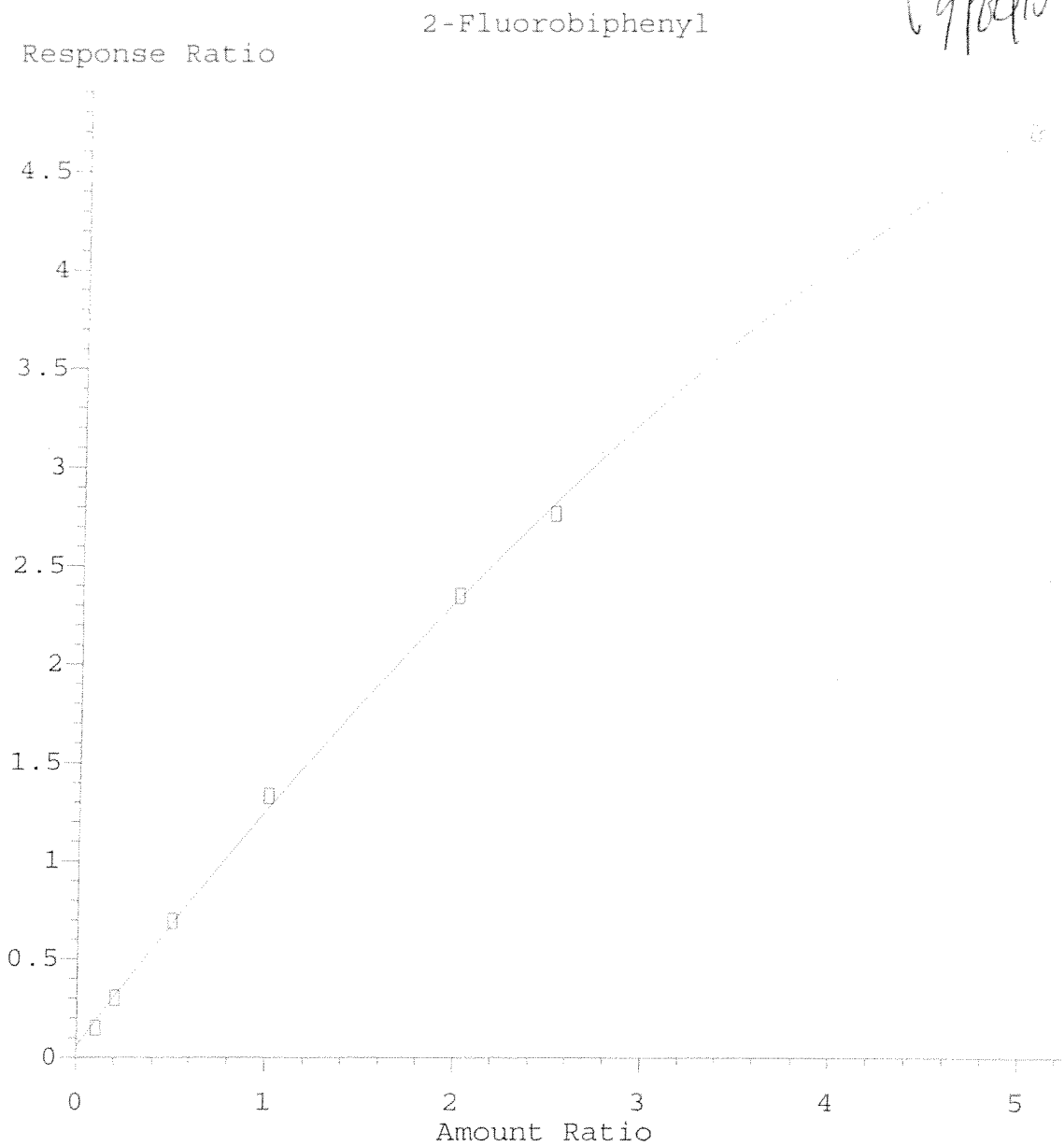


R = -3.18e-002 A*A + 4.54e-001 A - 1.51e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:02 2010

J92210

9/24/10



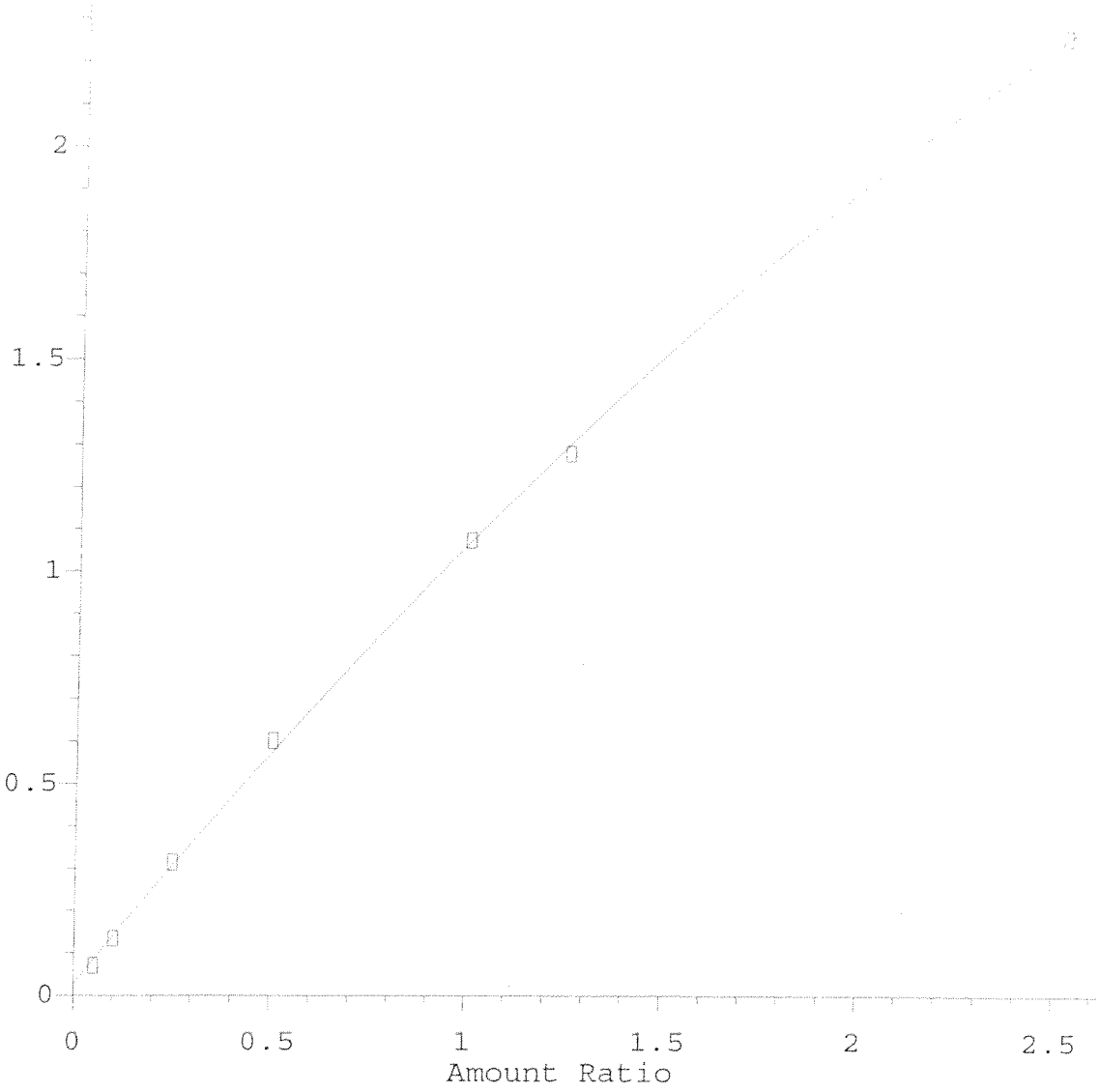
R = -7.06e-002 A*A + 1.28e+000 A + 5.85e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:10 2010

092210

9/22/10

2-Chloronaphthalene



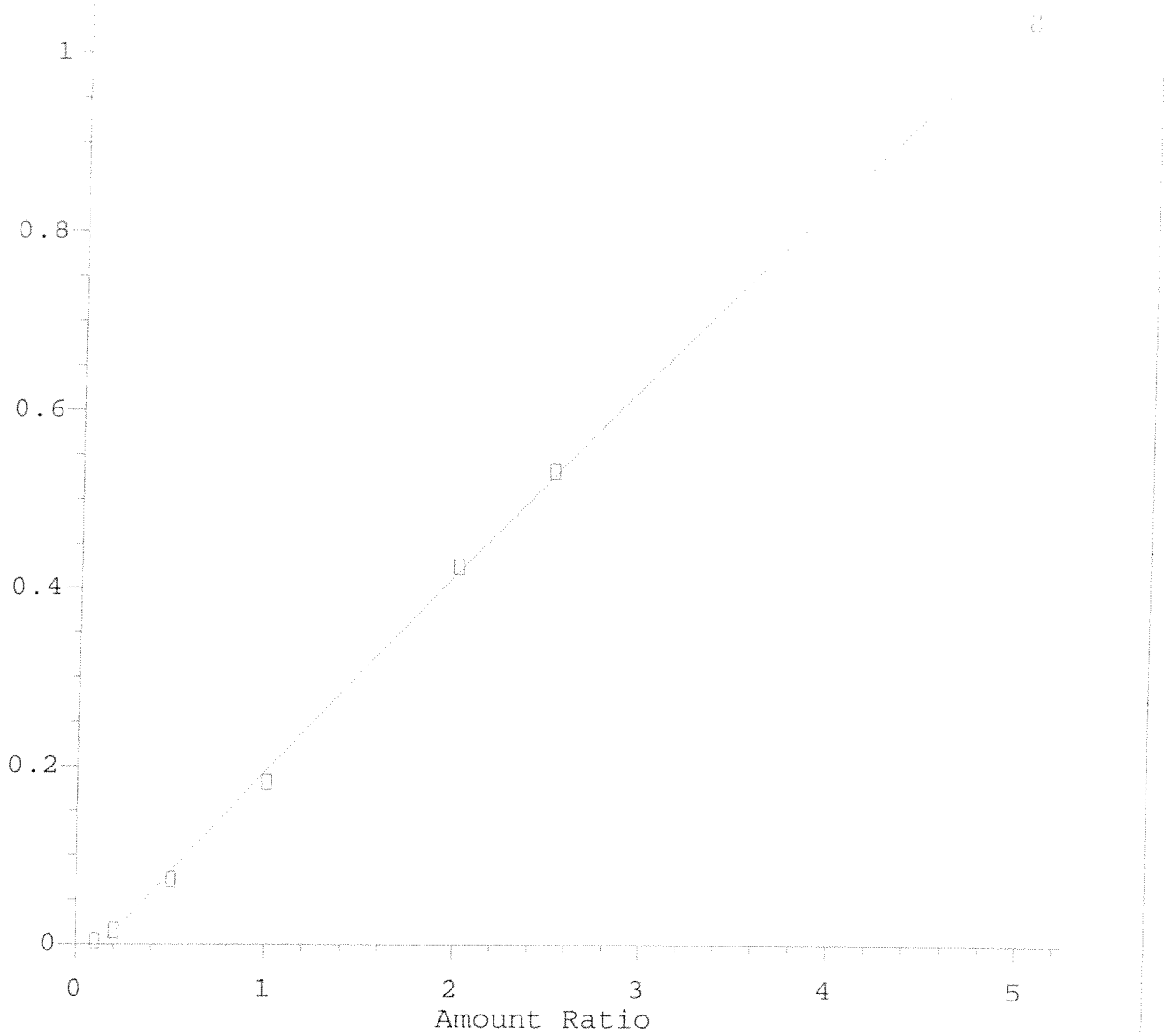
R = -1.03e-001 A*A + 1.15e+000 A + 2.68e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:18 2010

J92210

OK 9/22/10

2,4-dinitrophenol



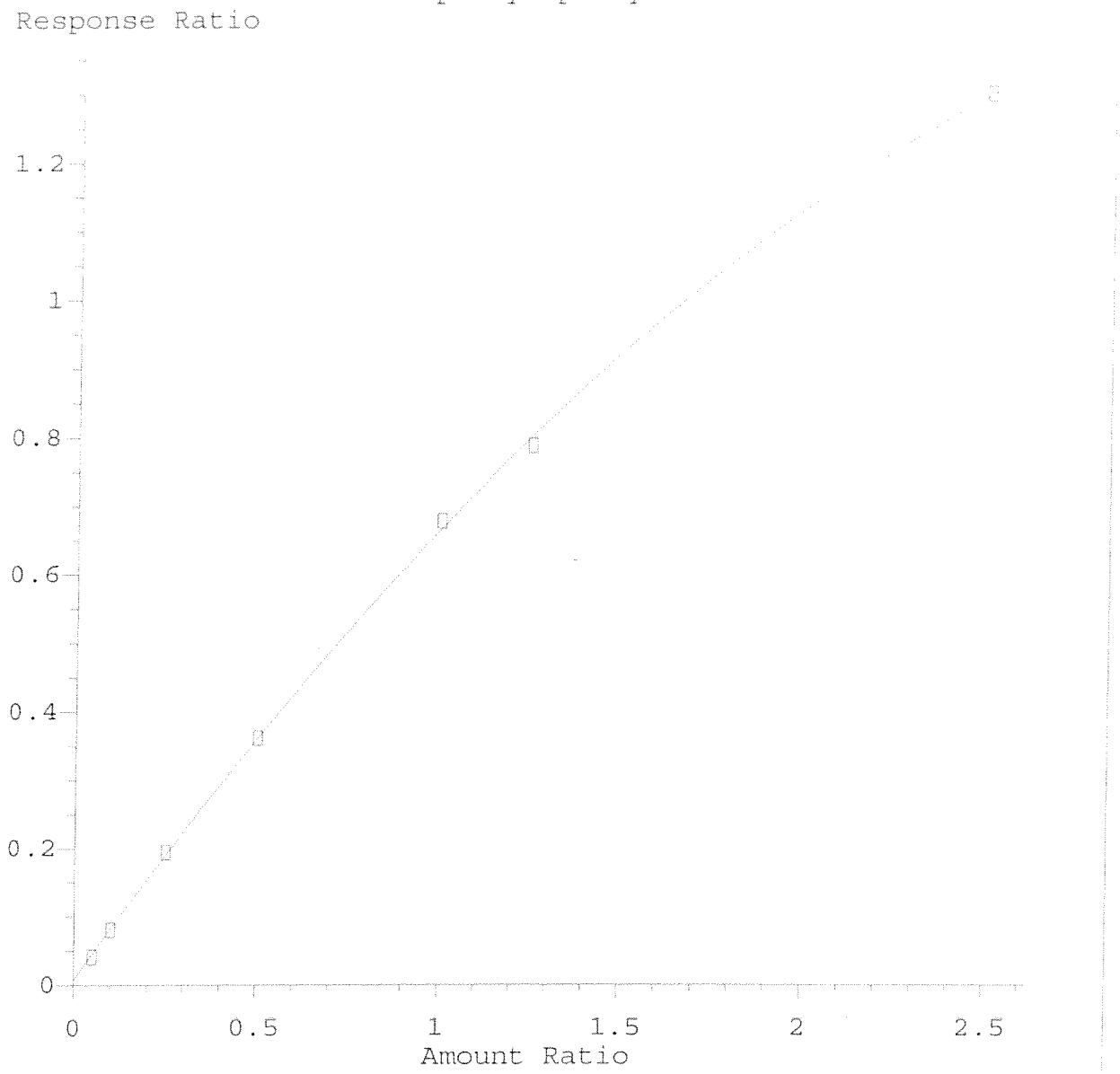
R = -3.70e-003 A*A + 2.33e-001 A - 3.27e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:22 2010

sg 2210

9/22/10

4-Chlorophenyl phenyl ether

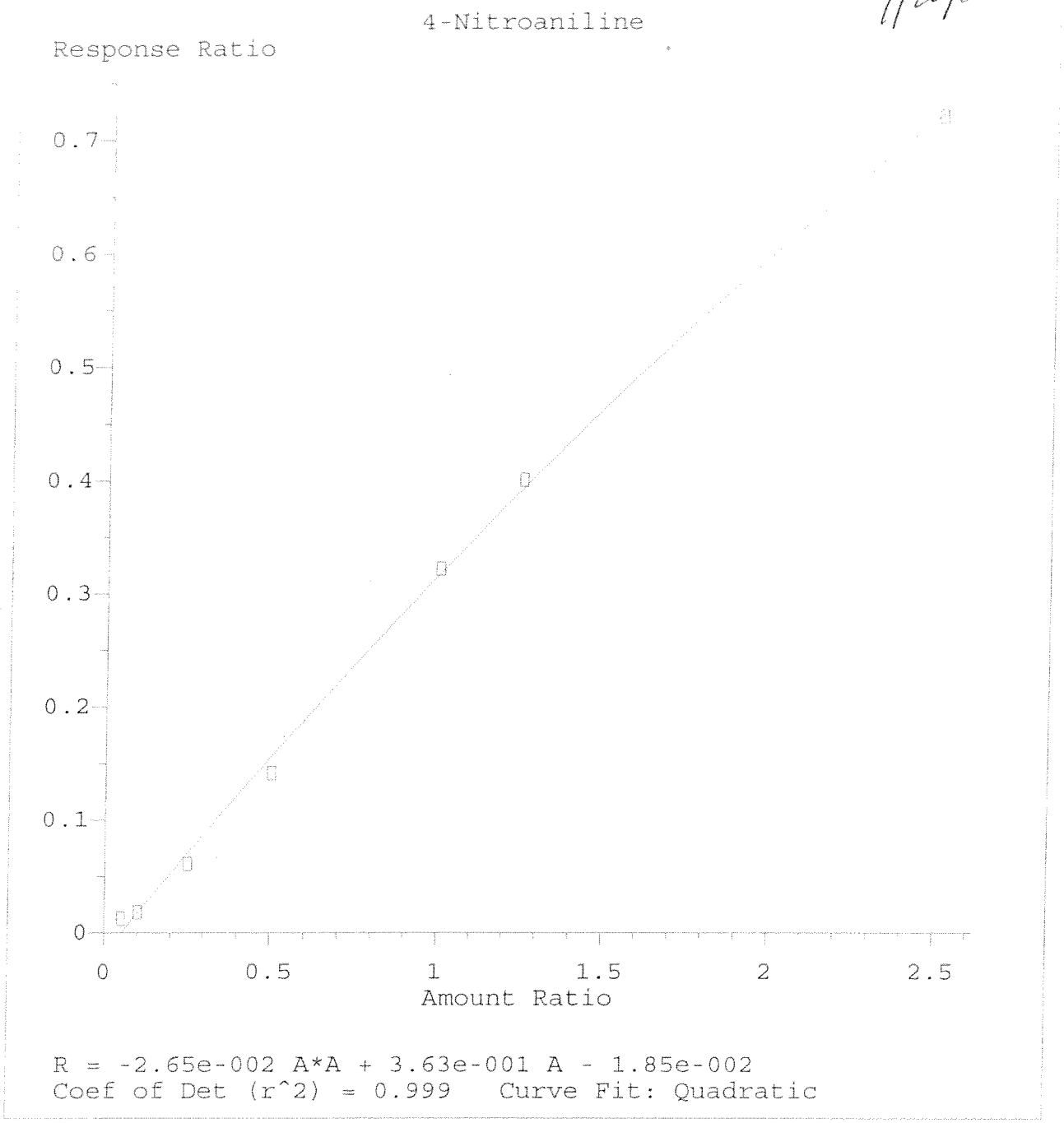


R = -9.52e-002 A*A + 7.54e-001 A + 7.50e-003
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:33 2010

592210

9/22/10

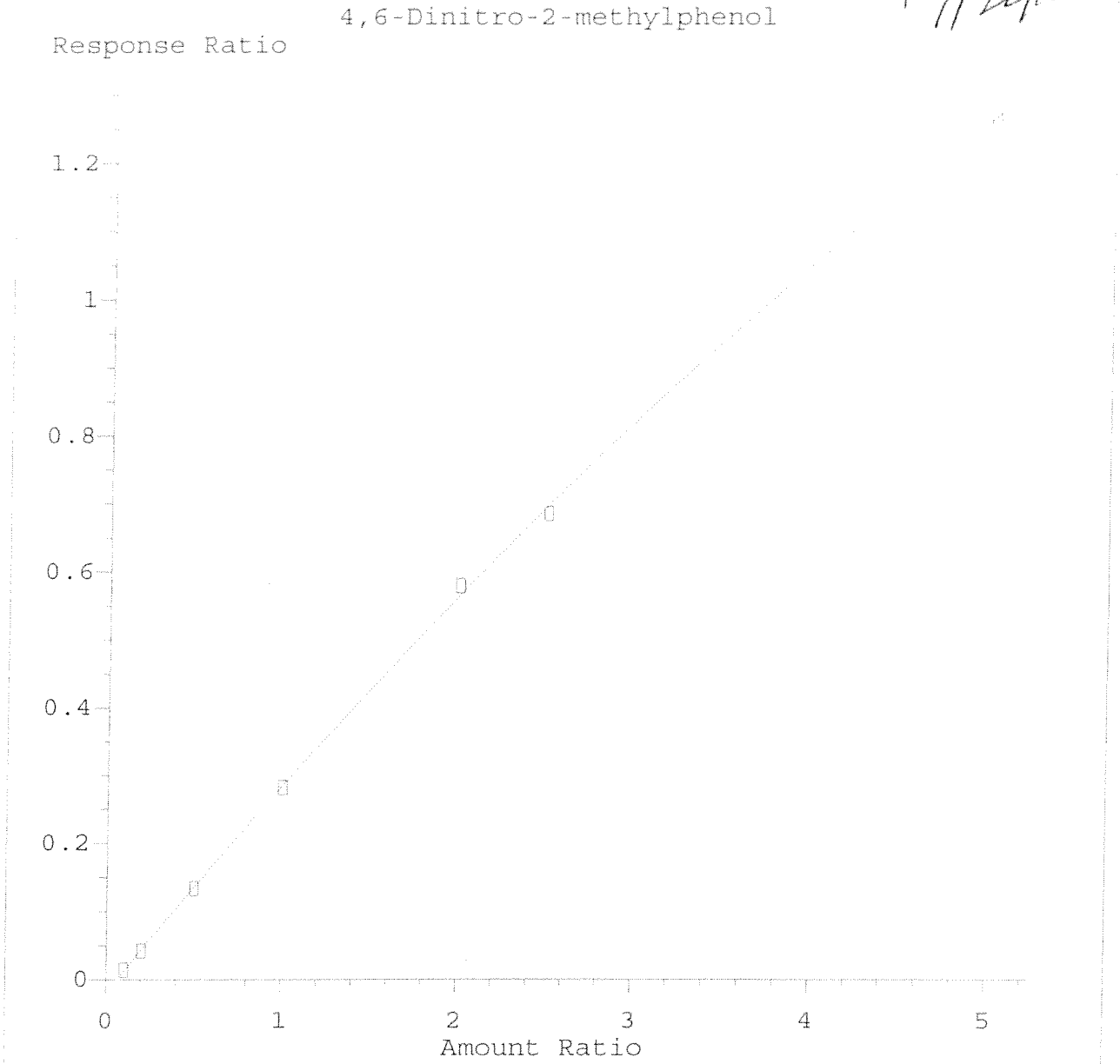


Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:42 2010

592210

9/22/10

4,6-Dinitro-2-methylphenol

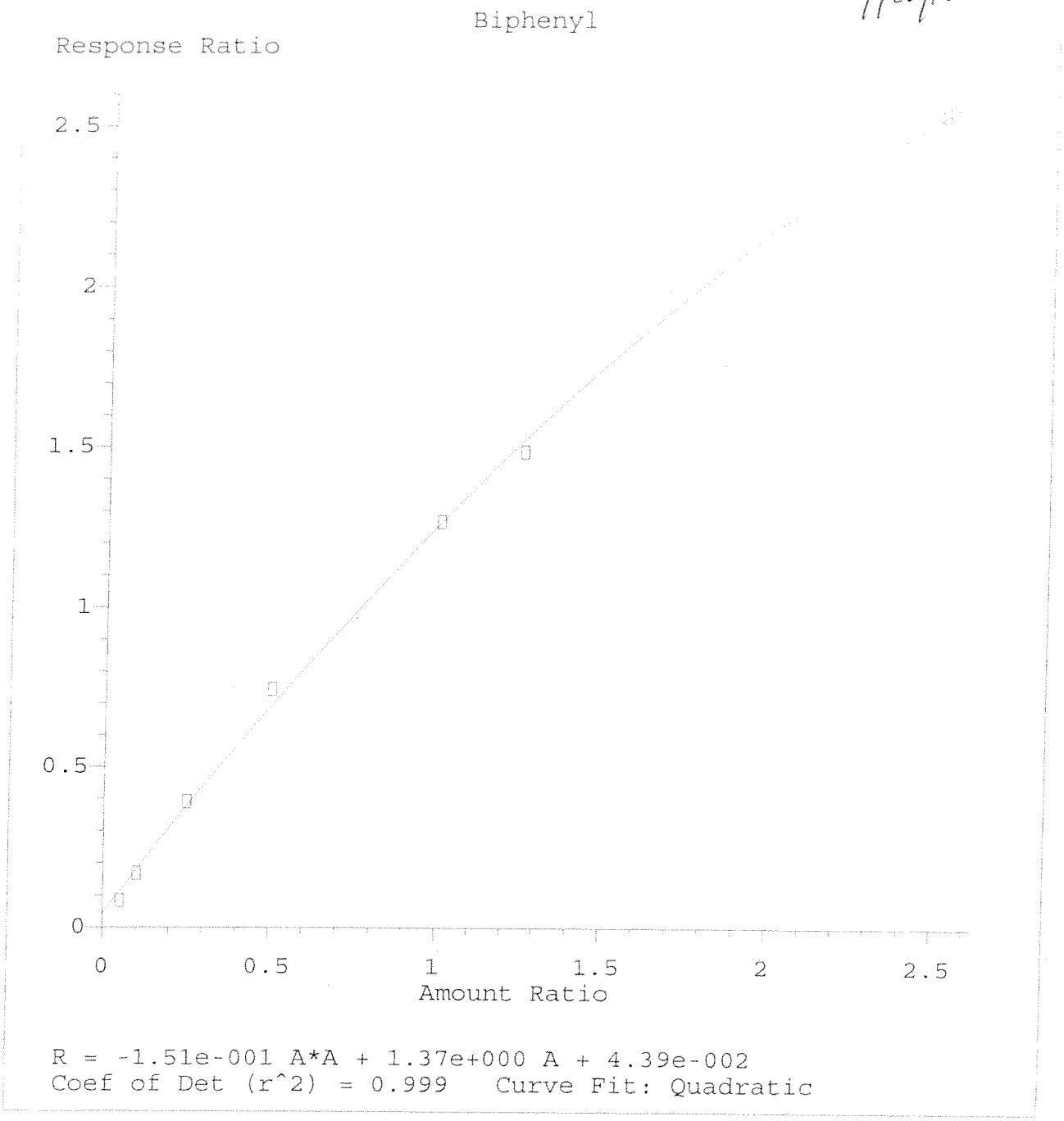


R = -1.16e-002 A*A + 3.15e-001 A - 1.89e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:47 2010

092210

OK 9/22/10

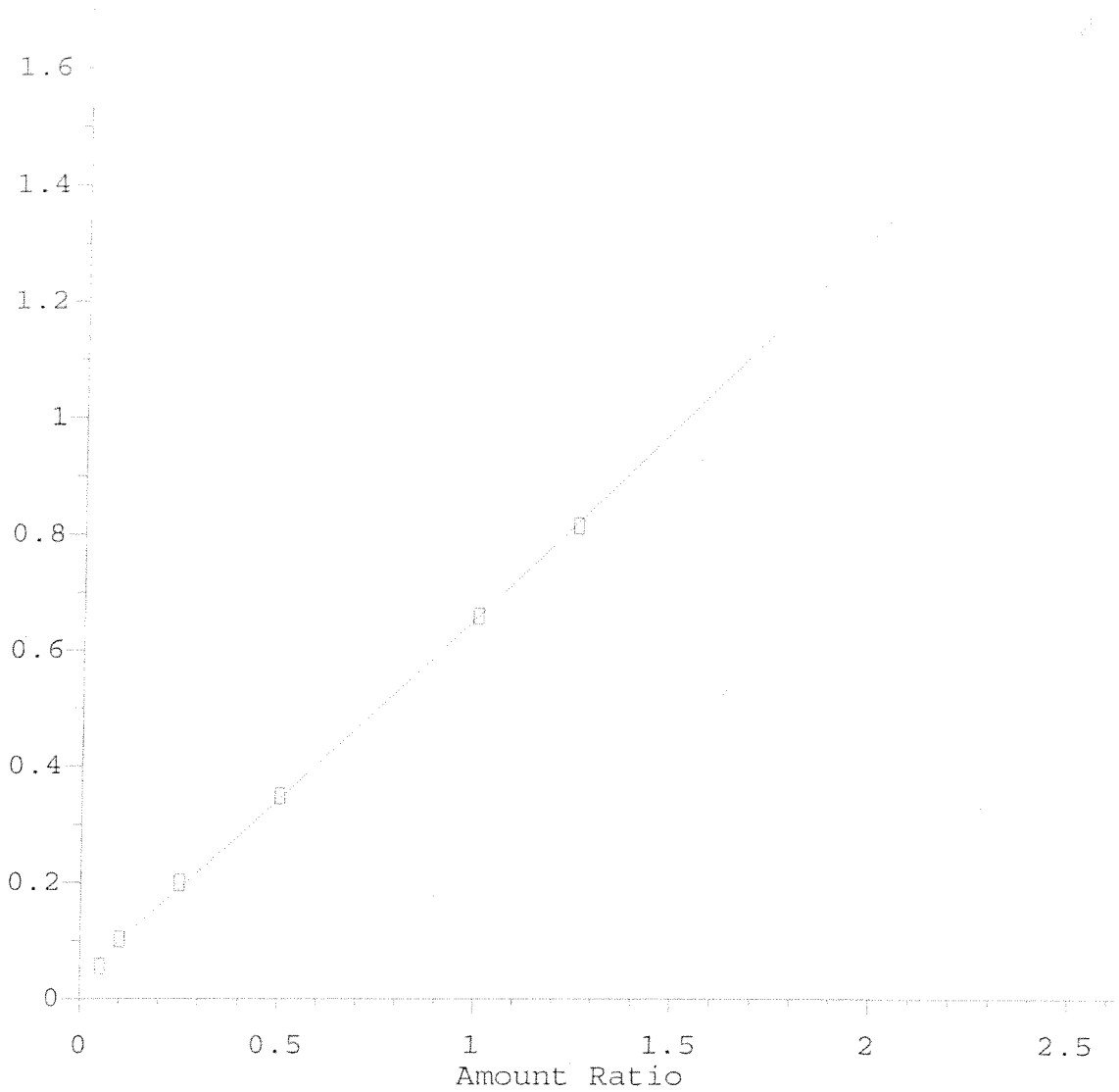


Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:53 2010

592210

OK 9/24/10

Carbazole



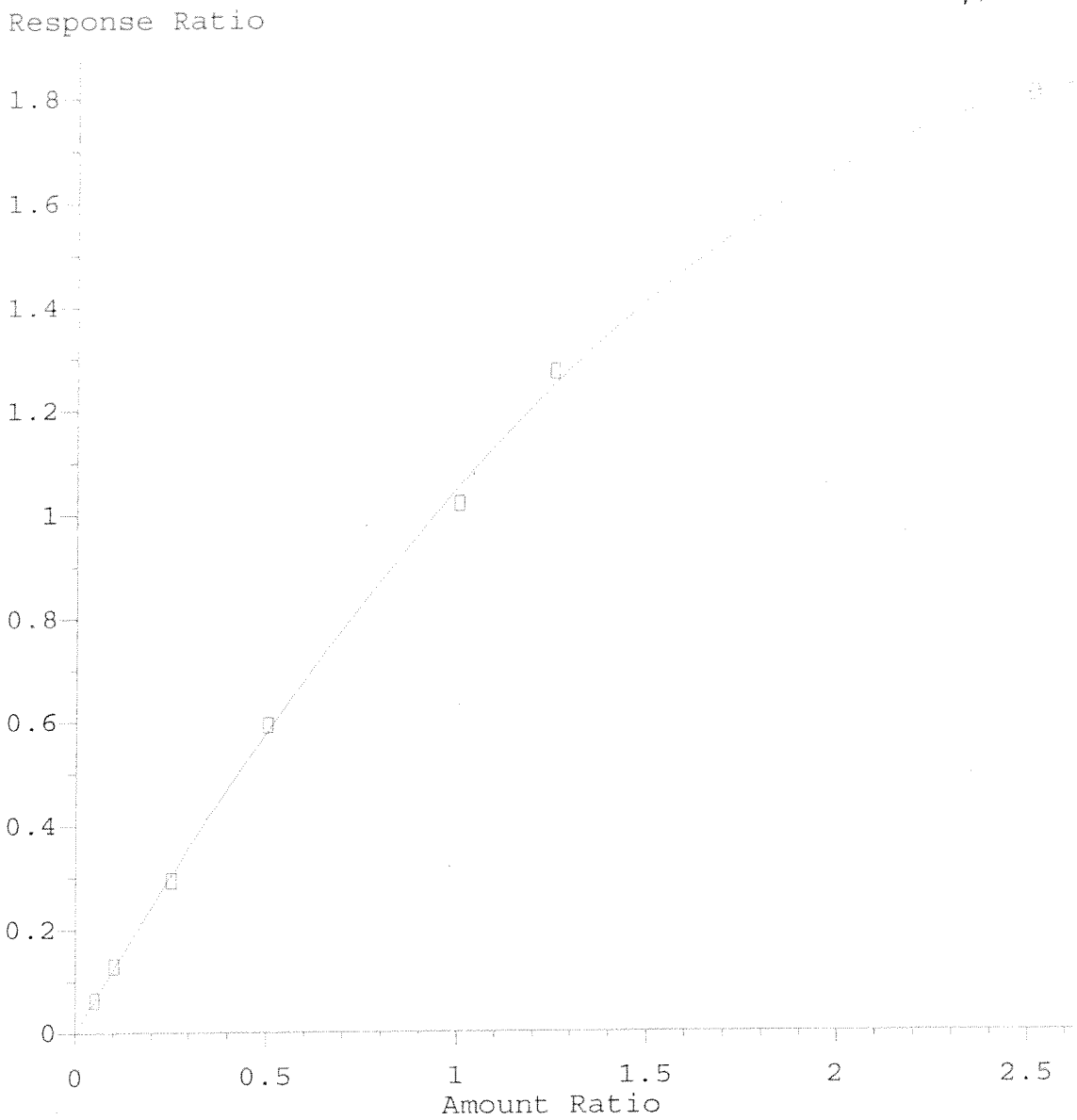
R = 2.27e-002 A*A + 5.96e-001 A + 4.01e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:07:01 2010

J92210

OK 9/24/10

Benzo[k] fluoranthene



R = -2.21e-001 A*A + 1.27e+000 A - 9.11e-004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:07:11 2010

592210

ABN FULL LIST
ICV

Data File Name J35854.D
Date Acquired 9/18/2010 3:28
Sample Name S10120 20/40 ICV

PN 9/23/10

Name	ug/mL Amount	ug/mL Expected	% Recovery	80-120%
Pyridine	20.32	20	102%	OK
N-nitrosodimethylamine	20.20	20	101%	OK
2-Fluorophenol	42.78	40	107%	OK
d5-Phenol	42.43	40	106%	OK
Aniline	18.60	20	93%	OK
Phenol	41.63	40	104%	OK
2-Chlorophenol	41.51	40	104%	OK
bis(2-chloroethyl) ether	18.08	20	90%	OK
1,3-Dichlorobenzene	20.79	20	104%	OK
1,4-Dichlorobenzene	20.56	20	103%	OK
1,2-Dichlorobenzene	19.99	20	100%	OK
Benzyl Alcohol	21.27	20	106%	OK
2-Methylphenol	40.96	40	102%	OK
bis(2-chloroisopropyl)ether	21.56	20	108%	OK
3+4-Methylphenol	42.65	40	107%	OK
Hexachloroethane	23.85	20	119%	OK
N-nitroso-di-n-propylamine	22.63	20	113%	OK
d5-nitrobenzene	40.61	40	102%	OK
Nitrobenzene	19.84	20	99%	OK
Isophorone	19.48	20	97%	OK
2-Nitrophenol	43.61	40	109%	OK
2,4-Dimethylphenol	41.37	40	103%	OK
Bis(2-chloroethoxy)methane	19.27	20	96%	OK
2,4-Dichlorophenol	41.38	40	103%	OK
Benzoic Acid	40.36	40	101%	OK
1,2,4-Trichlorobenzene	19.99	20	100%	OK
Naphthalene	20.11	20	101%	OK
2,6-Dichlorophenol	43.32	40	108%	OK
4-Chloroaniline	19.29	20	96%	OK
Hexachlorobutadiene	20.61	20	103%	OK
4-Chloro-3-methylphenol	40.37	40	101%	OK
2-Methylnaphthalene	19.08	20	95%	OK
Hexachlorocyclopentadiene	22.73	20	114%	OK
2,4,6-Trichlorophenol	45.36	40	113%	OK
2,4,5-Trichlorophenol	43.08	40	108%	OK
2-Fluorobiphenyl	42.47	40	106%	OK
2-Chloronaphthalene	20.68	20	103%	OK
2-Nitroaniline	20.60	20	103%	OK
2,6-Dinitrotoluene	21.40	20	107%	OK
Dimethyl Phthalate	20.69	20	103%	OK
Acenaphthylene	21.82	20	109%	OK
3-Nitroaniline	19.22	20	96%	OK
Acenaphthene	20.48	20	102%	OK

SRW

9/18/2010 5:10 AM

2,4-dinitrophenol	39.06	40	98%	OK	
Dibenzofuran	20.20	20	101%	OK	
4-Nitrophenol	46.25	40	116%	OK	
2,4-Dinitrotoluene	22.11	20	111%	OK	
2,3,4,6-Tetrachlorophenol	45.90	40	115%	OK	
Fluorene	20.70	20	104%	OK	
Diethyl Phthalate	20.64	20	103%	OK	
4-Chlorophenyl phenyl ether	20.58	20	103%	OK	
4-Nitroaniline	16.73	20	84%	OK	
4,6-Dinitro-2-methylphenol	42.49	40	106%	OK	
n-nitrosodiphenylamine	21.29	20	106%	OK	
Azobenzene	19.41	20	97%	OK	
Biphenyl	21.71	20	109%	OK	
2,4,6-Tribromophenol	43.92	40	110%	OK	
4-bromophenyl phenyl ether	20.87	20	104%	OK	
Hexachlorobenzene	19.63	20	98%	OK	
Pentachlorophenol	43.39	40	108%	OK	
Phenanthrene	19.30	20	96%	OK	
Anthracene	19.38	20	97%	OK	
Carbazole	20.58	20	103%	OK	
Di-n-butyl phthalate	20.41	20	102%	OK	
Fluoranthene	19.79	20	99%	OK	
Benzidine	24.20	20	121%	*	ESTIMATED
Pyrene	20.17	20	101%	OK	
d14-p-terphenyl	39.96	40	100%	OK	
Butyl benzyl phthalate	20.91	20	105%	OK	
Benzo[a]anthracene	21.01	20	105%	OK	
Chrysene	20.37	20	102%	OK	
3,3'-Dichlorobenzidine	21.77	20	109%	OK	
Bis (2-ethylhexyl) phthalate	20.92	20	105%	OK	
di-n-octyl-phthalate	21.26	20	106%	OK	
Benzo[b] fluoranthene	19.78	20	99%	OK	
Benzo[k] fluoranthene	21.76	20	109%	OK	
Benzo[a] pyrene	20.75	20	104%	OK	
Indeno [1,2,3-cd] pyrene	20.48	20	102%	OK	
Dibenz [a,h] anthracene	20.05	20	100%	OK	
Benzo(g,h,i) perylene	19.71	20	99%	OK	

9/23/10

392710

Method Path : C:\msdchem\1\METHODS\
Method File : ADDXTRA091710.M
Title : ABN ADDS
Last Update : Mon Sep 20 22:06:39 2010
Response Via : Initial Calibration

MV 9/23/10

Calibration Files
2 =J35847SI.D 4 =J35848SI.D 10 =J35849SI.D 20 =J35850SI.D 40 =J35851SI.D 50 =J35852SI.D
100 =J35853SI.D

		Compound	2	4	10	20	40	50	100	Avg	%RSD
1)	I	d4-1,4-dichloroben...	----------ISTD----------								
2)	TM	BENZALDEHYDE	0.767	0.780	0.800	0.790	0.744	0.663		0.758	6.61
3)	TM	n-Decane	1.903	1.949	1.907	1.819	1.761	1.705	1.528	1.796	8.17
4)	S	2-Fluorophenol	1.152	1.175	1.196	1.200	1.192	1.180	1.100	1.171	3.00
5)	S	d5-Phenol	1.427	1.446	1.444	1.410	1.333	1.300	1.199	1.366	6.80
6)	TM	Acetophenone	1.645	1.596	1.619	1.650	1.614	1.575	1.547	1.607	2.31
7)	TM	no compound								0.000#	-1.00
8)	TM	no compound								0.000#	-1.00
9)	TM	no compound								0.000#	-1.00
.0)		no compound								0.000#	-1.00
.1)		no compound								0.000#	-1.00
.2)		no compound								0.000#	-1.00
.3)		no compound								0.000#	-1.00
.4)		no compound								0.000#	-1.00
.5)		no compound								0.000#	-1.00
.6)		no compound								0.000#	-1.00
.7)		no compound								0.000#	-1.00
.8)		no compound								0.000#	-1.00
.9)	I	d8-Naphthalene	----------ISTD----------								
20)	S	d5-nitrobenzene	0.380	0.377	0.367	0.344	0.327	0.321	0.297	0.345	9.11
21)	TM	alpha-terpineol	0.172	0.163	0.163	0.156	0.154	0.152	0.126	0.155	9.33
22)	TM	2,3-dichloroan...	0.438	0.462	0.460	0.445	0.414	0.411	0.353	0.426	8.94
23)	TM	no compound								0.000#	-1.00
24)	TM	CAPROLACTAM	0.275	0.287	0.278	0.296	0.281	0.266	0.227	0.273	8.16
25)	TM	1,2,4,5-TETRAC...	0.447	0.453	0.442	0.417	0.377	0.371	0.317	0.404	12.49
26)		no compound								0.000#	-1.00
27)		no compound								0.000#	-1.00
28)		no compound								0.000#	-1.00
29)		no compound								0.000#	-1.00
30)		no compound								0.000#	-1.00

D42710

Method Path : C:\msdchem\1\METHODS\
Method File : ADDXTRA091710.M
Title : ABN ADDS

1)		no compound									
2)		no compound								0.000#	-1.00
3)		no compound								0.000#	-1.00
4)		no compound								0.000#	-1.00
										0.000#	-1.00
5)	I	d10-Acenaphthene	----------ISTD----------								
6)	TM	no compound								0.000#	-1.00
7)	TM	no compound								0.000#	-1.00
8)		no compound								0.000#	-1.00
9)	S	2-Fluorobiphenyl	1.510	1.513	1.394	1.333	1.177	1.105	0.943	1.282	16.78
0)		no compound								0.000#	-1.00
1)		no compound								0.000#	-1.00
2)		no compound								0.000#	-1.00
3)		no compound								0.000#	-1.00
4)		no compound								0.000#	-1.00
5)		no compound								0.000#	-1.00
6)		no compound								0.000#	-1.00
7)		no compound								0.000#	-1.00
8)		no compound								0.000#	-1.00
9)		no compound								0.000#	-1.00
0)		no compound								0.000#	-1.00
1)		no compound								0.000#	-1.00
2)	TM	no compound								0.000#	-1.00
3)	TM	ATRAZINE	0.435	0.474	0.456	0.433	0.400	0.383	0.336	0.417	11.33
4)	TM	no compound								0.000#	-1.00
5)	TM	no compound								0.000#	-1.00
6)	TM	no compound								0.000#	-1.00
7)	TM	no compound								0.000#	-1.00
8)	TM	no compound								0.000#	-1.00
9)	TM	4-(tert octyl)...	2.085	2.178	2.133	2.046	1.879	1.758	1.458	1.934	13.26
0)	S	2,4,6-Tribromo...	0.204	0.228	0.223	0.220	0.218	0.212	0.194	0.214	5.42
1)	I	d10-Phenanthrene	----------ISTD----------								
2)	TM	Octadecane	0.676	0.667	0.646	0.600	0.548	0.498	0.446	0.583	15.22 Q
3)	TM	no compound								0.000#	-1.00
4)	TM	no compound								0.000#	-1.00
5)	TM	no compound								0.000#	-1.00
6)		no compound								0.000#	-1.00
7)		no compound								0.000#	-1.00
8)		no compound								0.000#	-1.00
9)		no compound								0.000#	-1.00

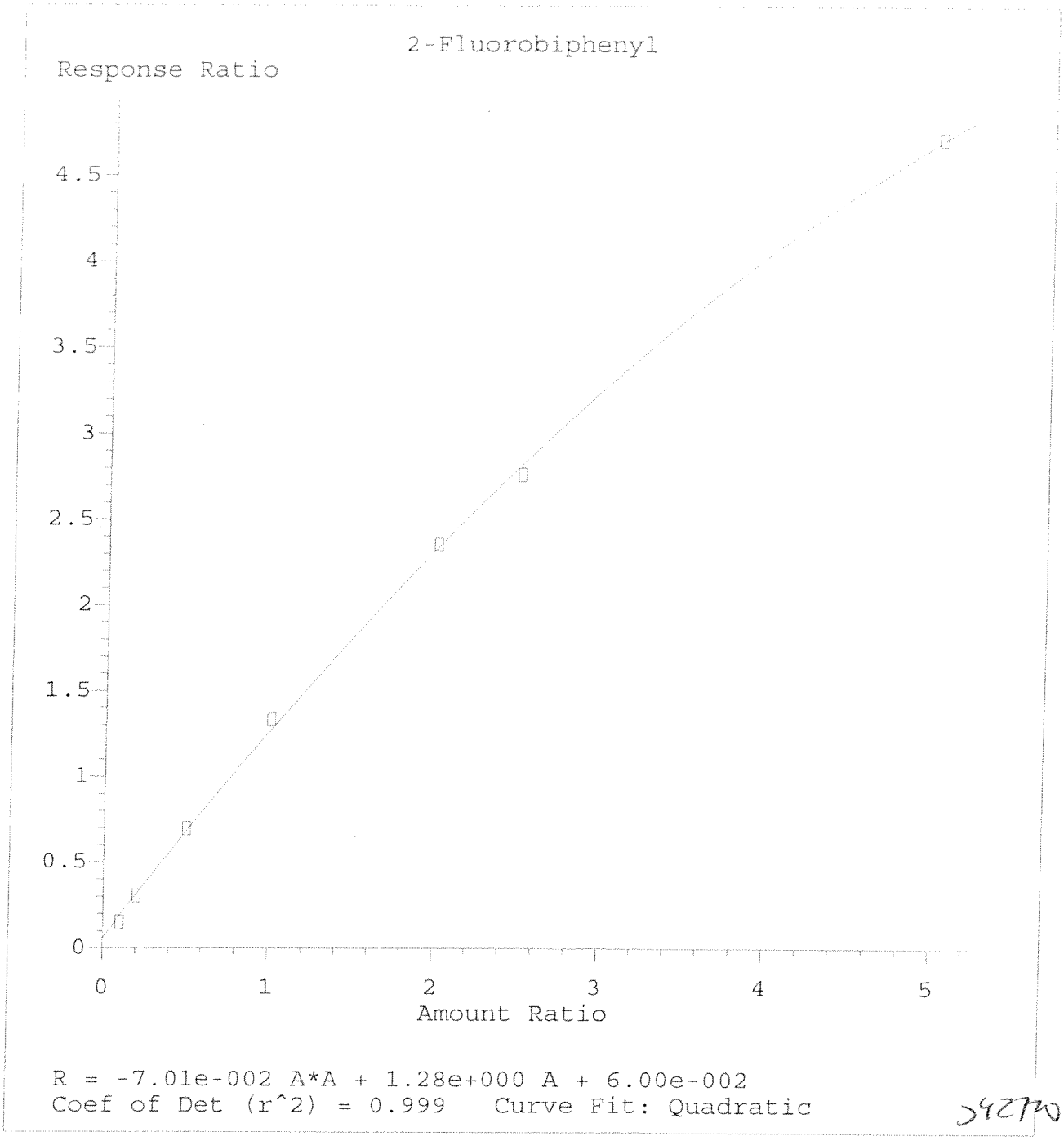
MV 9/23/10

DXTRA091710.M Mon Sep 20 22:10:34 2010

```
Method Path : C:\msdchem\1\METHODS\
Method File : ADDXTRA091710.M
Title       : ABN ADDS
0)      no compound                                                    0.000#  -1.00

1) I    d12-Chrysene          ----------------ISTD--------------------
2)      no compound                                                    0.000#  -1.00
3) S    d14-p-terphenyl   0.805 0.816 0.755 0.713 0.699 0.669 0.648 0.729    8.92
4)      no compound                                                    0.000#  -1.00
5)      no compound                                                    0.000#  -1.00
6)      no compound                                                    0.000#  -1.00
7)      no compound                                                    0.000#  -1.00
8)      no compound                                                    0.000#  -1.00

9) I    d12-Perylene          ----------------ISTD--------------------
0)      no compound                                                    0.000#  -1.00
1)      no compound                                                    0.000#  -1.00
2)      no compound                                                    0.000#  -1.00
3)      no compound                                                    0.000#  -1.00
4)      no compound                                                    0.000#  -1.00
5)      no compound                                                    0.000#  -1.00
6)      no compound                                                    0.000#  -1.00
-----------------------------------------------------------------------------------
#) = Out of Range
```

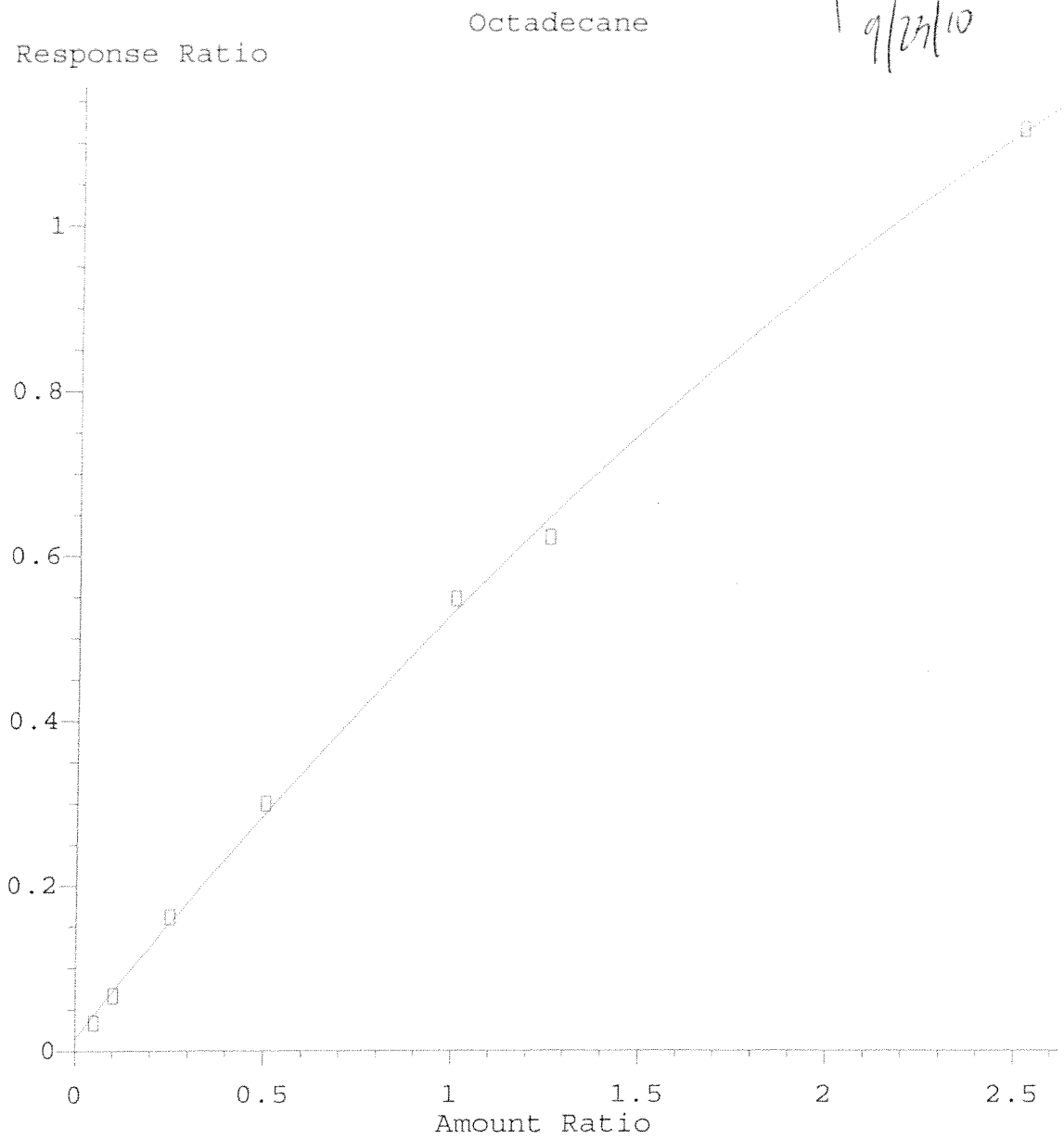
9/23/10

D9270



Method Name: C:\msdchem\1\METHODS\ADDXTRA091710.M
Calibration Table Last Updated: Mon Sep 20 22:05:41 2010

9/23/10



R = -5.27e-002 A*A + 5.71e-001 A + 1.49e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

342720

Method Name: C:\msdchem\1\METHODS\ADDXTRA091710.M
Calibration Table Last Updated: Mon Sep 20 22:06:04 2010

DOD EXTRAS
ICV

Data File Name **J35854.D**
Date Acquired **9/18/2010 3:28**
Sample Name **S10120 20/40 ICV**

9/21/10

Name	UG/L Amount	UG/L EXPECTED	% RECOVERY	80-120%
Acetophenone	19.76	20	99%	OK
BENZALDEHYDE	22.77	20	114%	OK
CAPROLACTAM	20.68	20	103%	OK
1,2,4,5-TETRACHLOROBENZENE	18.76	20	94%	OK
ATRAZINE	19.67	20	98%	OK

342710

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	d4-1,4-dichlorobenzene	1.000	1.000	0.0	83	0.00
2	TM	Pyridine	1.302	1.333	-2.4	83	0.00
3	TM	N-nitrosodimethylamine	0.708	0.742	-4.8	85	0.00
4	S	2-Fluorophenol	1.170	1.299	-11.0	89	0.00
5	S	d5-Phenol	1.365	1.524	-11.6	89	0.00
6	TM	Aniline	1.844	1.796	2.6	79	0.00
7	TMC	Phenol	1.400	1.502	-7.3	86	0.00
8	TM	2-Chlorophenol	1.228	1.302	-6.0	86	0.00
9	TM	bis(2-chloroethyl) ether	1.181	1.307	-10.7	88	0.00
10	TM	1,3-Dichlorobenzene	1.582	1.664	-5.2	85	0.00
11	TMC	1,4-Dichlorobenzene	1.514	1.616	-6.7	86	0.00
12	TM	1,2-Dichlorobenzene	1.531	1.624	~~-6.1~~ 8210D	86	0.00
13	TM	Benzyl Alcohol	0.667	0.812	-21.7# 320%	97	0.00
14	TM	2-Methylphenol	0.998	1.031	-3.3	82	0.00
15	TM	bis(2-chloroisopropyl)ether	2.471	2.586	-4.7	84	0.00
16	TM	3+4-Methylphenol	0.980	1.042	-6.3	83	0.00
17	TM	Hexachloroethane	0.508	0.536	-5.5	82	0.00
18	TMP	N-nitroso-di-n-propylamine	0.674	0.726	-7.7	83	0.00
19	I	d8-Naphthalene	1.000	1.000	0.0	83	0.00
20	S	d5-nitrobenzene	0.345	0.355	-2.9	85	0.00
21	TM	Nitrobenzene	0.193	0.193	0.0	83	0.00
22	TM	Isophorone	0.642	0.654	-1.9	84	0.00
23	TCM	2-Nitrophenol	0.228	0.244	-7.0	85	0.00
24	TM	2,4-Dimethylphenol	0.372	0.374	-0.5	82	0.00
25	TM	Bis(2-chloroethoxy)methane	0.436	0.444	-1.8	82	0.00
26	TCM	2,4-Dichlorophenol	0.344	0.369	-7.3	87	0.00
27	TM	Benzoic Acid	0.186	0.287	Edrift ~~-54.3#~~	122	0.02
28	TM	1,2,4-Trichlorobenzene	0.416	0.425	-2.2	85	0.00
29	TM	Naphthalene	1.061	1.100	-3.7	84	0.00
30	T	2,6-Dichlorophenol	0.308	0.331	-7.5	88	0.00
31	TM	4-Chloroaniline	0.452	0.478	-5.8	83	0.00
32	TCM	Hexachlorobutadiene	0.242	0.257	-6.2	85	0.00
33	TMC	4-Chloro-3-methylphenol	0.301	0.313	-4.0	83	0.00
34	TM	2-Methylnaphthalene	0.636	0.675	-6.1	84	0.00
35	I	d10-Acenaphthene	1.000	1.000	0.0	86	0.00
36	TPM	Hexachlorocyclopentadiene	0.354	0.402	-13.6	85	0.00
37	TCM	2,4,6-Trichlorophenol	0.421	0.453	-7.6	88	0.00

10/17/10

3/10/10

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TM	2,4,5-Trichlorophenol	0.481	0.513	-6.7	86	0.00
39	S	2-Fluorobiphenyl	1.280	1.353	-5.7	88	0.00
40	TM	2-Chloronaphthalene	1.172	1.186	-1.2	85	0.00
41	TM	2-Nitroaniline	0.524	0.518	1.1	80	0.00
42	TM	2,6-Dinitrotoluene	0.335	0.352	-5.1	82	0.00
43	TM	Dimethyl Phthalate	1.517	1.580	-4.2	85	0.00
44	TM	Acenaphthylene	1.887	1.915	-1.5	84	0.00
45	TM	3-Nitroaniline	0.295	0.247	16.3	75	0.00
✓46	TMC	Acenaphthene	1.187	1.246	-5.0	88	0.00
✓47	TPM	2,4-dinitrophenol	0.152	0.214	Sdrift ~~-40.8#~~	101	0.00
48	TM	Dibenzofuran	1.930	2.026	-5.0	87	0.00
✓49	TMP	4-Nitrophenol	0.158	0.177	-12.0	86	0.00
50	TM	2,4-Dinitrotoluene	0.426	0.450	-5.6	87	0.00
51	T	2,3,4,6-Tetrachlorophenol	0.387	0.422	-9.0	90	0.00
52	TM	Fluorene	1.421	1.458	-2.6	88	0.00
53	TM	Diethyl Phthalate	1.433	1.508	-5.2	87	0.00
54	TM	4-Chlorophenyl phenyl ethe	0.708	0.742	-4.8	88	0.00
55	TM	4-Nitroaniline	0.271	0.287	-5.9	88	0.00
✓56	TM	4,6-Dinitro-2-methylphenol	0.246	0.300	Sdrift ~~-22.0#~~	92	0.00
✓57	TCM	n-nitrosodiphenylamine	1.030	1.075	-4.4	87	0.00
58	TM	Azobenzene	1.230	1.318	-7.2	92	0.00
59	TM	Biphenyl	1.415	1.478	-4.5	86	0.00
60	S	2,4,6-Tribromophenol	0.215	0.244	-13.5	95	0.00
61	I	d10-Phenanthrene	1.000	1.000	0.0	85	0.00
62	TM	4-bromophenyl phenyl ether	0.265	0.292	-10.2	92	0.00
63	TM	Hexachlorobenzene	0.283	0.295	-4.2	90	0.00
✓64	TMC	Pentachlorophenol	0.168	0.187	-11.3	91	0.00
65	TM	Phenanthrene	1.161	1.264	-8.9	93	0.00
66	TM	Anthracene	1.193	1.148	3.8	81	0.00
67	TM	Carbazole	0.806	0.644	Sdrift ~~-20.1#~~	78	0.00
68	TM	Di-n-butyl phthalate	1.411	1.309	7.2	78	0.00
✓69	TCM	Fluoranthene	1.291	1.239	4.0	82	0.00
70	TM	Benzidine	0.215	0.140	Est. 34.9#	45#	0.00
71	I	d12-Chrysene	1.000	1.000	0.0	83	0.00
72	TM	Pyrene	1.332	1.338	-0.5	83	0.00
73	S	d14-p-terphenyl	0.728	0.731	-0.4	85	0.00
74	TM	Butyl benzyl phthalate	0.635	0.645	-1.6	82	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
75	TM	Benzo[a]anthracene	1.117	1.088	2.6	82	0.00
76	TM	Chrysene	1.117	1.160	-3.8	86	0.00
77	TM	3,3'-Dichlorobenzidine	0.293	0.254	13.3	75	0.00
78	TM	Bis (2-ethylhexyl) phthalat	0.814	0.822	-1.0	82	0.00
79	I	d12-Perylene	1.000	1.000	0.0	83	0.00
✓80	TCM	di-n-octyl-phthalate	1.505	1.557	-3.5	84	0.00
81	TM	Benzo[b] fluoranthene	1.210	1.160	4.1	86	0.00
82	TM	Benzo[k] fluoranthene	1.096	1.195	-9.0	84	0.00
✓83	TCM	Benzo[a] pyrene	1.162	1.177	-1.3	84	0.00
84	TM	Indeno [1,2,3-cd] pyrene	0.964	0.903	6.3	79	-0.01
85	TM	Dibenz [a,h] anthracene	0.984	0.993	-0.9	85	0.00
86	TM	Benzo(g,h,i) perylene	1.053	1.074	-2.0	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

PN 10/17/10

1=AVERAGE RF	Data File Name	J36195SC.D
0=LINEAR	Date Acquired	10/15/2010 4:13
3=QUADRATIC	Sample Name	S10156 20/40

METHOD: C:\msdchem\1\METHODS\ABN091710.M

CAL FIT	Name	ug/mL Amount	ug/mL Expected	% DRIFT		<20%	
1	Pyridine	20.47	20	2.4%	NA	OK	
1	N-nitrosodimethylamine	20.96	20	4.8%	NA	OK	
1	2-Fluorophenol	44.43	40	11.1%	NA	OK	
1	d5-Phenol	44.66	40	11.7%	NA	OK	
1	Aniline	19.48	20	2.6%	NA	OK	
1	Phenol	42.89	40	7.2%	NA	OK	
1	2-Chlorophenol	42.41	40	6.0%	NA	OK	
1	bis(2-chloroethyl) ether	22.12	20	10.6%	NA	OK	
1	1,3-Dichlorobenzene	21.04	20	5.2%	NA	OK	
1	1,4-Dichlorobenzene	21.35	20	6.8%	NA	OK	
1	1,2-Dichlorobenzene	21.22	20	6.1%	NA	OK	
1	Benzyl Alcohol	24.35	20	21.8%	NA	*	±30
1	2-Methylphenol	41.32	40	3.3%	NA	OK	
3	bis(2-chloroisopropyl)ether	22.32	20	11.6%		OK	PR any hits
1	3+4-Methylphenol	42.55	40	6.4%	NA	OK	
3	Hexachloroethane	23.51	20	17.5%		OK	
1	N-nitroso-di-n-propylamine	21.55	20	7.7%	NA	OK	
1	d5-nitrobenzene	41.13	40	2.8%	NA	OK	
1	Nitrobenzene	20.00	20	0.0%	NA	OK	
1	Isophorone	20.38	20	1.9%	NA	OK	
1	2-Nitrophenol	42.82	40	7.0%	NA	OK	
1	2,4-Dimethylphenol	40.17	40	0.4%	NA	OK	
1	Bis(2-chloroethoxy)methane	20.36	20	1.8%	NA	OK	
1	2,4-Dichlorophenol	42.94	40	7.3%	NA	OK	
3	Benzoic Acid	53.12	40	32.8%		*	PR any w/hit
1	1,2,4-Trichlorobenzene	20.43	20	2.1%	NA	OK	
1	Naphthalene	20.74	20	3.7%	NA	OK	
1	2,6-Dichlorophenol	43.07	40	7.7%	NA	OK	
3	4-Chloroaniline	21.30	20	6.5%		OK	
1	Hexachlorobutadiene	21.21	20	6.1%	NA	OK	
1	4-Chloro-3-methylphenol	41.60	40	4.0%	NA	OK	
1	2-Methylnaphthalene	21.24	20	6.2%	NA	OK	
3	Hexachlorocyclopentadiene	19.71	20	1.4%		OK	
1	2,4,6-Trichlorophenol	43.10	40	7.8%	NA	OK	
1	2,4,5-Trichlorophenol	42.63	40	6.6%	NA	OK	
3	2-Fluorobiphenyl	43.02	40	7.6%		OK	
3	2-Chloronaphthalene	20.71	20	3.5%		OK	
1	2-Nitroaniline	19.78	20	1.1%	NA	OK	
1	2,6-Dinitrotoluene	21.07	20	5.4%	NA	OK	
1	Dimethyl Phthalate	20.83	20	4.1%	NA	OK	

1	Acenaphthylene	20.30	20	1.5%	NA	OK
1	3-Nitroaniline	16.74	20	16.3%	NA	OK
1	Acenaphthene	21.00	20	5.0%	NA	OK
3	2,4-dinitrophenol	43.19	40	8.0%		OK
1	Dibenzofuran	20.99	20	5.0%	NA	OK
1	4-Nitrophenol	44.77	40	11.9%	NA	OK
1	2,4-Dinitrotoluene	21.11	20	5.5%	NA	OK
1	2,3,4,6-Tetrachlorophenol	43.66	40	9.1%	NA	OK
1	Fluorene	20.51	20	2.6%	NA	OK
1	Diethyl Phthalate	21.04	20	5.2%	NA	OK
3	4-Chlorophenyl phenyl ether	20.61	20	3.0%		OK
3	4-Nitroaniline	18.50	20	7.5%		OK
3	4,6-Dinitro-2-methylphenol	42.16	40	5.4%		OK
1	n-nitrosodiphenylamine	20.89	20	4.4%	NA	OK
1	Azobenzene	21.43	20	7.1%	NA	OK
3	Biphenyl	21.54	20	7.7%		OK
1	2,4,6-Tribromophenol	45.36	40	13.4%	NA	OK
1	4-bromophenyl phenyl ether	22.09	20	10.5%	NA	OK
1	Hexachlorobenzene	20.82	20	4.1%	NA	OK
1	Pentachlorophenol	44.49	40	11.2%	NA	OK
1	Phenanthrene	21.78	20	8.9%	NA	OK
1	Anthracene	19.24	20	3.8%	NA	OK
3	Carbazole	18.59	20	7.1%		OK
1	Di-n-butyl phthalate	18.55	20	7.2%	NA	OK
1	Fluoranthene	19.20	20	4.0%	NA	OK
1	Benzidine	13.03	20	34.9%	NA	* Est.
1	Pyrene	20.10	20	0.5%	NA	OK
1	d14-p-terphenyl	40.19	40	0.5%	NA	OK
1	Butyl benzyl phthalate	20.30	20	1.5%	NA	OK
1	Benzo[a]anthracene	19.47	20	2.6%	NA	OK
1	Chrysene	20.76	20	3.8%	NA	OK
1	3,3'-Dichlorobenzidine	17.34	20	13.3%	NA	OK
1	Bis (2-ethylhexyl) phthalate	20.20	20	1.0%	NA	OK
1	di-n-octyl-phthalate	20.69	20	3.5%	NA	OK
1	Benzo[b] fluoranthene	19.18	20	4.1%	NA	OK
3	Benzo[k] fluoranthene	20.65	20	3.2%		OK
1	Benzo[a] pyrene	20.26	20	1.3%	NA	OK
1	Indeno [1,2,3-cd] pyrene	18.74	20	6.3%	NA	OK
1	Dibenz [a,h] anthracene	20.19	20	0.9%	NA	OK
1	Benzo(g,h,i) perylene	20.40	20	2.0%	NA	OK

625 ADDS
CCV

Data File Name **J36195SC.D**
Date Acquired **10/15/2010 4:13**
Sample Name **S10156 20/40**

PM 10/17/10

Name	UG/L Amount	UG/L EXPECTED	% RECOVERY	% LIMITS	
n-Decane	20.44	20	102%	80-120	OK
Acetophenone	20.47	20	102%	80-120	OK
alpha-terpineol	21.64	20	108%	80-120	OK
2,3-dichloroaniline	21.25	20	106%	80-120	OK
4-(tert octyl) Phenol	20.12	20	101%	80-120	OK
Octadecane	20.63	20	103%	80-120	OK
BENZALDEHYDE	21.29	20	106%	80-120	OK
CAPROLACTAM	20.49	20	102%	80-120	OK
1,2,4,5-TETRACHLOROBENZENE	21.93	20	110%	80-120	OK
ATRAZINE	18.28	20	91%	80-120	OK

2101810

SEMIVOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 68000

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#	IS 5 AREA	#	IS 5 RT	#	IS 6 AREA	#	IS 6 RT	#
S10112 20/40	460445		4.02		1393270		5.31		783890		7.03		1.38E+06		8.46		1380450		11.01		1.27E+06		12.47	
Upper Limit	920890		4.08		2786540		5.37		1567780		7.09		2761940		8.52		2760900		11.07		2547220		12.53	
Lower limit	230223		3.96		696635		5.25		391945		6.97		690485		8.40		690225		10.95		636805		12.41	

SAMPLE ID																								
S10115 2/4	467340		4.02		1385760		5.31		777487		7.03		1.37E+06		8.46		1511120		11.00		1.30E+06		12.47	
S10114 4/8	456768		4.02		1348710		5.31		764977		7.03		1.35E+06		8.46		1439520		11.00		1.28E+06		12.46	
S10113 10/20	474965		4.02		1349960		5.31		785875		7.03		1.38E+06		8.46		1434880		11.00		1.28E+06		12.46	
S10111 40/80	491868		4.03		1488180		5.32		853400		7.03		1.45E+06		8.47		1407900		11.01		1.32E+06		12.47	
S10110 50/100	480235		4.03		1425040		5.32		835715		7.04		1.41E+06		8.47		1356070		11.01		1.31E+06		12.47	
S10109 100/200	416986		4.03		1280460		5.33		731503		7.04		1.18E+06		8.47		1079200		11.02		1.11E+06		12.48	
S10120 20/40 ICV	436183		4.02		1317140		5.31		717152		7.03		1.29E+06		8.46		1258250		11.01		1.16E+06		12.47	

IS 1 = d4-1,4-dichlorobenzene
IS 2 = d8-Naphthalene
IS 3 = d10-Acenaphthene
IS 4 = d10-Phenanthrene
IS 5 = d12-Chrysene
IS 6 = d12-Perylene

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

SVOA FORM 8

SEMIVOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 68000

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#	IS 5 AREA	#	IS 5 RT	#	IS 6 AREA	#	IS 6 RT	#
S10156 20/40	380066		3.96		1149610		5.26		676907		6.98		1.17E+06		8.41		1146150		10.95		1.06E+06		12.40	
Upper Limit	760132		4.02		2299220		5.32		1353814		7.04		2345080		8.47		2292300		11.01		2126560		12.46	
Lower limit	190033		3.90		574805		5.20		338454		6.92		586270		8.35		573075		10.89		531640		12.34	

SAMPLE ID																								
B101210AW,,RR	402266		3.96		1176620		5.26		691001		6.98		1.20E+06		8.40		1260920		10.95		1.08E+06		12.40	
L101210AW,,RR	424798		3.96		1265400		5.26		748764		6.98		1.31E+06		8.41		1133160		10.96		1.20E+06		12.40	
LD101210AW,,RR	412192		3.96		1242340		5.26		726232		6.98		1.28E+06		8.41		1104610		10.96		1.15E+06		12.40	
68000-2	371474		3.96		1092510		5.26		634103		6.98		1.12E+06		8.40		1099700		10.94		984478		12.39	

IS 1 = d4-1,4-dichlorobenzene
IS 2 = d8-Naphthalene
IS 3 = d10-Acenaphthene
IS 4 = d10-Phenanthrene
IS 5 = d12-Chrysene
IS 6 = d12-Perylene

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

SVOA FORM 8

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 22, 2010

SAMPLE DATA

Lab Sample ID: B100810PW
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/08/10
Analysis Date: 10/12/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U
PCB-1262	0.2	U
PCB-1268	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	94	%
Decachlorobiphenyl	63	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB EXT Report

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 22, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: Lab QC

Lab Sample ID: B100810PW
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/08/10
Analysis Date: 10/12/10

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U
PCB-1262	0.2	U
PCB-1268	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	100	%
Decachlorobiphenyl	67	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB EXT Report

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: B101210PSOX2 RR2
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/12/10
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U
PCB-1262	33	U
PCB-1268	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	106	%
Decachlorobiphenyl	68	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID:	68000-1
Matrix:	Solid
Percent Solid:	87
Dilution Factor:	11
Collection Date:	10/07/10
Lab Receipt Date:	10/08/10
Extraction Date:	10/12/10
Analysis Date:	10/18/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GTM-03

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	360	U
PCB-1221	360	U
PCB-1232	360	U
PCB-1242	360	U
PCB-1248	360	U
PCB-1254	360	U
PCB-1260	360	**5770**
PCB-1262	360	U
PCB-1268	360	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	85	%
Decachlorobiphenyl	75	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 68000
Sample: 68000-1,1:10,,A/C
Data File: M31816.D
Dilution Factor: 11.1

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	5772	4687	20.8	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

PCB FORM 10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 14, 2010

SAMPLE DATA

Lab Sample ID:	68000-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	10/08/10
Lab Receipt Date:	10/08/10
Extraction Date:	10/08/10
Analysis Date:	10/12/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GP-01

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U
PCB-1262	0.2	U
PCB-1268	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	94	%
Decachlorobiphenyl	49	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB EXT Report

Authorized signature

PCB AQUEOUS
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 68000

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B100810PW	94		63		89		67	
L100810PWB	93		46		88		48	
LD100810PWB	90		84		86		63	
L100810PWB2	99		63		94		65	
LD100810PWB2	96		52		92		49	

	Lower Limit	Upper Limit
SMC #1 = TCX	46	122
SMC #2 = DCB	40	135

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 68000

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B100810PW	100		67		96		73	
68000-2	94		49		87		52	

		Lower Limit	Upper Limit
SMC #1 =	TCX	40	130
SMC #2 =	DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B101210PSOX2,RR2,,A	106		68		95		74	
L101210PSOX2,RR2,,A	97		66		91		70	
LD101210PSOX2,RR2,,	101		67		93		71	
68000-1,1:10,,A/C	85		75		109		121	

		Lower Limit	Upper Limit
SMC #1 =	TCX	40	130
SMC #2 =	DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB AQUEOUS
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

SDG: 68000

Non-spiked sample: B100810PW

Spike: L100810PWB

Spike duplicate: LD100810PWB

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	196	98		198	99		1.3	
PCB 1260	200	200	60	130	30	0	180	90		184	92		2.5	
PCB 1016 #2	200	200	65	140	30	0	189	95		181	90		4.8	
PCB 1260 #2	200	200	60	130	30	0	171	86		178	89		4.1	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

PCB AQUEOUS
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

SDG: 68000

Non-spiked sample: B100810PW

Spike: L100810PWB2

Spike duplicate: LD100810PWB2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1254	200	200	60	130	30	0	215	108		191	96		11.9	
PCB 1254 #2	200	200	60	130	30	0	192	96		192	96		0.2	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

PCB FORM 3

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

SDG: 68000

Non-spiked sample: B101210PSOX2,RR2,,A/C

Spike: L101210PSOX2,RR2,,A/C

Spike duplicate: LD101210PSOX2,RR2,,A/

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	239	120		251	126		4.8	
PCB 1260	200	200	60	130	30	0	199	100		222	111		11.0	
PCB 1016 #2	200	200	65	140	30	0	233	117		257	129		9.8	
PCB 1260 #2	200	200	60	130	30	0	207	104		218	109		5.0	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

analytics

100910-M

PEST/PCB/HERB
Instrument M
Sequence Log Book

Load: M
Unload: JW

Data File	Vial #	Sample	Method	Comments	Final Vol.
M31511-32	100	Hexane	PUS100510.m		
3351	6	P5538 16/60 0.02 ng/mL		✓	
3451	7	P5539 0.05		✓	
3551	8	P5540 0.1		✓	
3651	9	P5542 0.25		✓	
3751	10	P5544 0.5		✓	
3851	11	P5485 0.75		✓	
3952	12	P5545 1.0		✓	
4051	13	P5546 2.0		✓	
41CC	14	P5549 16/60 ICV 0.5 ng/mL		✓	
4251	15	P5489 AR1254 0.0625 ng/mL		✓	
4351	16	P5490 0.125		✓	
4451	17	P5491 0.25		✓	
4561	18	P5552 0.5		✓	
4651	19	P5495 1.0		✓	
4751	20	P5496 2.0		✓	
48CC	21	P5498 AR1254 ICV 0.5 ng/mL		✓	
49	22	P5476 AR1221 1.0 ng/mL			
50	23	P5557 AR1232			
51	24	P5559 AR1242			
52	25	P5561 AR1248			
53	26	P5556 AR1262			
54	27	P5478 AR1268			
55-70	100	Hexane			

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot: 1008355

MTBE Lot:

analytics environmental laboratory LLC

101210-M

PEST/PCB/HERB
Instrument M
Sequence Log Book

Load: JL
Unload: JL

Data File	Vial #	Sample	Method	Comments	Final Vol.
M31571-79	100	Hexane	PCB100910.m		
80SL	1	PS542 16160 0.25ug/mL		✓	
81SL	4	PS550 AR1254 0.25ug/mL		✓	
82B	6	B100810PW		✓	5mL
83Q	7	L100810PWB		✓	
84Q	8	LD100810PWB		✓	
85Q	9	L100810PWB2		✓	
86Q	10	LD100810PWB2		✓	
87	11	67922-1		✓	
88	12	67924-1		✓	
89	13	67966-4		✓	
90	14	⊥ -34		✓	
91	15	67963-18		✓	
92	16	67975-19		✓	
93	17	67976-20		✓	
94	18	67977-20		✓	
95	19	67978-16		✓	
96	20	67980-14		✓	
97SL	2	PS544 16160 0.5ug/mL		✓	
98SL	5	PS552 AR1254 0.5ug/mL		✓	
99B	6	B100810PW		✓	5mL
600	7	68000-2		✓	
01	8	68002-5		✓	
02	9	⊥ -12		✓	
03SL	1	PS542 16160 0.25ug/mL		✓	
04SL	4	PS550 AR1254 0.25ug/mL		✓	
05B	10	B100610PSOX..AL			5mL
06Q	11	L100610PSOX..AL			
07Q	12	LD100610PSOX..AL			
08	13	67963-1..AL			
09	14	-2.. ⊥			
10	15	-2.MS..AL			
11	16	-2.MSD..AL			
12	17	-3..AL			
13	18	-4..			
14	19	-5..			
15	20	-6..			
16	21	-7..			
17	22	-8.. ⊥			
18SL	1	PS542 16160 0.25ug/mL			
19SL	4	PS550 AR1254 0.25ug/mL			

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot : 1008355

MTBE Lot:

* Continued onto the Next page.

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1: 03/09/10

W-M-101810-1-JL

analytics environmental laboratory LLC

101810-M

PEST/PCB/HERB
Instrument M
Sequence Log Book

Load: JL
Unload: JL

Data File	Vial #	Sample	Method	Comments	Final Vol.
M31805-10	100	Hexane	PCB100910.m		
11SC	1	PS542 16/60 0.25ug/ml		✓	
12SC	4	PS550 Arl 1254 0.25ug/ml		✓	
13B	6	B101210PS0X2.RR2..AL		✓	5ml
14Q	7	LO101210 PS0X2.RR2..AL		✓	
15Q	8	LD101210 PS0X2.RR2..AL		✓	
~~16~~	~~A~~	~~68000-1.RR2..AL~~	JL 10-18-10		
16	9	68000-1.1:10..AL		✓	5ml
17SC	2	PS544 16/60 0.5ug/ml		✓	
18SC	3	PS552 Arl 1254 0.5ug/ml		✓	

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot : 1008355

MTBE Lot:

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1: 03/09/10

[50]

C:\msdchem\1\METHODS\PCB100910.M

Level 1 File Name	
Level 2 File Name	M31533SI.D
Level 3 File Name	M31534SI.D
Level 4 File Name	M31535SI.D
Level 5 File Name	M31536SI.D
Level 6 File Name	M31537SI.D
Level 7 File Name	M31538SI.D
Level 8 File Name	M31539SI.D
Level 8 File Name	M31540SI.D
Level 10 File Name	M31542SI.D
Level 11 File Name	M31543SI.D
Level 12 File Name	M31544SI.D
Level 13 File Name	M31545SI.D
Level 14 File Name	M31546SI.D
Level 15 File Name	M31547SI.D

JL 10.12.10

RESPONSE = X + YA + Z(A*A)

Name	Calibration Fit	R^2	R	X	Y	Z
TCX	1	0.051	0.226	0.00E-01	1.83E+06	0.00E-01
Ar1016 A	0	0.999	0.999	1.56E+06	2.93E+07	0.00E-01
Ar1016 B	0	1.000	1.000	1.65E+06	4.99E+07	0.00E-01
Ar1016 C	0	1.000	1.000	9.88E+05	3.21E+07	0.00E-01
Ar1016 D	0	0.999	0.999	1.22E+06	2.71E+07	0.00E-01
Ar1016 E	0	1.000	1.000	1.40E+06	4.02E+07	0.00E-01
Ar1260 A	0	1.000	1.000	2.40E+06	7.50E+07	0.00E-01
Ar1260 B	0	1.000	1.000	2.36E+06	8.88E+07	0.00E-01
Ar1260 C	0	1.	1.000	2.78E+06	8.38E+07	0.00E-01
Ar1260 D	0	.999	1.000	2.09E+06	6.53E+07	0.00E-01
Ar1260 E	0	1.000	1.000	1.74E+06	7.47E+07	0.00E-01
Ar1254 A	1	0.118	0.343	0.00E-01	6.67E+07	0.00E-01
Ar1254 B	1	0.123	0.351	0.00E-01	7.38E+07	0.00E-01
Ar1254 C	1	0.104	0.323	0.00E-01	6.02E+07	0.00E-01
Ar1254 D	1	0.097	0.311	0.00E-01	9.05E+07	0.00E-01
Ar1254 E	1	0.175	0.418	0.00E-01	5.35E+07	0.00E-01
DCB	1	0.120	0.347	0.00E-01	1.18E+06	0.00E-01
Signal #2	0	0.000	0.000	0.00E-01	0.00E-01	0.00E-01
TCX #2	1	0.034	0.185	0.00E-01	8.69E+06	0.00E-01
Ar1016 A #2	0	0.995	0.998	7.95E+06	1.67E+08	0.00E-01
Ar1016 B #2	0	1.000	1.000	7.61E+06	3.03E+08	0.00E-01
Ar1016 C #2	0	1.000	1.000	4.06E+06	2.72E+08	0.00E-01
Ar1016 D #2	0	1.000	1.000	4.47E+06	2.80E+08	0.00E-01
Ar1016 E #2	0	1.000	1.000	2.33E+06	1.11E+08	0.00E-01
Ar1260 A #2	0	1.000	1.000	5.54E+06	4.09E+08	0.00E-01
Ar1260 B #2	0	1.000	1.000	7.70E+06	6.38E+08	0.00E-01
Ar1260 C #2	0	1.000	1.000	7.20E+06	6.89E+08	0.00E-01
Ar1260 D #2	0	1.000	1.000	3.38E+06	4.38E+08	0.00E-01
Ar1260 E #2	0	1.000	1.000	1.80E+06	4.10E+08	0.00E-01
Ar1254 A #2	1	0.062	0.249	0.00E-01	2.71E+08	0.00E-01
Ar1254 B #2	1	0.054	0.233	0.00E-01	5.20E+08	0.00E-01
Ar1254 C #2	1	0.043	0.208	0.00E-01	3.12E+08	0.00E-01
Ar1254 D #2	1	0.047	0.216	0.00E-01	4.84E+08	0.00E-01
Ar1254 E #2	1	0.071	0.267	0.00E-01	4.27E+08	0.00E-01
DCB #2	1	0.039	0.196	0.00E-01	7.19E+06	0.00E-01

Regression= 0

3/10/2010

Method Path : C:\msdchem\1\METHODS\
Method File : PCB100910.M
Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
Last Update : Tue Oct 12 11:36:26 2010
Response Via : Initial Calibration

Calibration Files
= 2 =M31533SI.D 3 =M31534SI.D
4 =M31535SI.D 5 =M31536SI.D 6 =M31537SI.D

JL 10.12.10

Compound	2	3	4	5	6	Avg		%RSD
1) S TCX	2.027	1.883	1.867	1.744	1.769	1.763	1.831 E6	5.12
2) L1M Ar1016 A	4.881	5.130	4.443	3.674	3.424	3.240	3.862 E7	21.77
3) L1M Ar1016 B	8.671	7.168	6.618	5.808	5.505	5.294	6.161 E7	20.38
4) L1M Ar1016 C	5.011	4.471	4.212	3.711	3.528	3.382	3.859 E7	16.58
5) L1M Ar1016 D	4.635	4.066	3.868	3.324	3.116	2.952	3.446 E7	19.54
6) L1M Ar1016 E	6.639	5.733	5.479	4.749	4.461	4.264	4.946 E7	18.52
7) L2M Ar1260 A	1.515	1.102	1.012	0.863	0.820	0.785	0.954 E8	27.01
8) L2M Ar1260 B	1.798	1.263	1.151	1.003	0.952	0.917	1.111 E8	27.60
9) L2M Ar1260 C	1.938	1.229	1.105	0.968	0.919	0.880	1.094 E8	31.40
10) L2M Ar1260 D	1.188	0.927	0.850	0.750	0.701	0.712	0.807 E8	22.22
11) L2M Ar1260 E	1.370	1.003	0.936	0.838	0.797	0.769	0.904 E8	~~23.11~~
12) L3M Ar1254 A							6.669 E7	11.78
13) L3M Ar1254 B							7.383 E7	12.29
14) L3M Ar1254 C							6.019 E7	10.40
15) L3M Ar1254 D							0.905 E8	9.67
16) L3M Ar1254 E							5.349 E7	17.50
17) S DCB	1.441	1.312	1.255	1.110	1.087	1.073	1.177 E6	12.02

Linear

Signal #2 Calibration Files
= 2 =M31533SI.D 3 =M31534SI.D
4 =M31535SI.D 5 =M31536SI.D 6 =M31537SI.D

Compound	2	3	4	5	6	Avg		%RSD
1) S TCX	9.240	8.826	8.911	8.598	8.657	8.535	8.692 E6	3.41
2) L1M Ar1016 A	2.118	1.840	2.505	2.153	1.833	1.988	1.982 E8	~~13.67~~
3) L1M Ar1016 B	4.175	3.780	3.677	3.396	3.284	3.192	3.461 E8	11.15
4) L1M Ar1016 C	3.314	3.163	3.169	2.858	2.876	2.789	2.960 E8	7.48
5) L1M Ar1016 D	3.485	3.195	3.221	3.012	2.921	2.849	3.049 E8	7.65
6) L1M Ar1016 E	1.966	1.334	1.297	1.233	1.177	1.149	1.300 E8	21.56
7) L2M Ar1260 A	6.531	4.883	4.668	4.361	4.246	4.160	4.639 E8	17.50
8) L2M Ar1260 B	1.047	0.745	0.718	0.669	0.659	0.647	0.722 E9	18.91
9) L2M Ar1260 C	1.245	0.806	0.767	0.713	0.705	0.694	0.790 E9	23.87
10) L2M Ar1260 D	6.095	4.970	4.834	4.517	4.466	4.399	4.760 E8	~~12.21~~
11) L2M Ar1260 E	5.111	4.414	4.393	4.155	4.134	4.117	4.319 E8	7.96
12) L3M Ar1254 A							2.710 E8	6.18
13) L3M Ar1254 B							5.201 E8	5.43
14) L3M Ar1254 C							3.119 E8	4.32
15) L3M Ar1254 D							4.836 E8	4.66
16) L3M Ar1254 E							4.271 E8	7.15
17) S DCB	7.805	7.250	7.306	6.942	7.051	7.045	7.187 E6	3.86

Linear

(#) = Out of Range ### Number of calibration levels exceeded format ###

JL 10.12.10

PCB1660/1260

INITIAL CALIBRATION VERIFICATION

METHOD: C:\msdchem\1\METHODS\PCB100910.M

Data File Name M31541CC.D
Date Acquired 10/9/2010 13:52
Sample Name P5549 16/60 ICV 0.5 UG/ML

Name	Amount	Recovery	80%-120% Recovery Pass	Name	Amount	Recovery	80%-120% Recovery Pass
TCX	91.66	92%	OK	TCX #2	95.20	95%	OK
Ar1016 A	0.50	99%	OK	Ar1016 A #2	0.48	95%	OK
Ar1016 B	0.52	105%	OK	Ar1016 B #2	0.49	99%	OK
Ar1016 C	0.50	100%	OK	Ar1016 C #2	0.48	96%	OK
Ar1016 D	0.51	102%	OK	Ar1016 D #2	0.49	98%	OK
Ar1016 E	0.50	100%	OK	Ar1016 E #2	0.60	120%	OK
	AVG	100%	OK		AVG	101%	OK
Ar1260 A	0.52	103%	OK	Ar1260 A #2	0.51	101%	OK
Ar1260 B	0.50	100%	OK	Ar1260 B #2	0.51	101%	OK
Ar1260 C	0.51	102%	OK	Ar1260 C #2	0.51	102%	OK
Ar1260 D	0.52	104%	OK	Ar1260 D #2	0.49	99%	OK
Ar1260 E	0.50	99%	OK	Ar1260 E #2	0.49	97%	OK
	AVG	102%	OK		AVG	100%	OK
DCB	93.23	93%	OK	DCB #2	101.40	101%	OK

PCB1254

INITIAL CALIBRATION VERIFICATION

METHOD: C:\msdchem\1\METHODS\PCB100910.M

Data File Name M31548CC.D
Date Acquired 10/9/2010 15:04
Sample Name P5498 AR 1254 ICV 0.5 UG/ML

Name	Amount	Recovery	80%-120% Recovery Pass	Name	Amount	Recovery	80%-120% Recovery Pass
Ar1254 A	0.49	98%	OK	Ar1254 A #2	0.54	108%	OK
Ar1254 B	0.51	101%	OK	Ar1254 B #2	0.51	102%	OK
Ar1254 C	0.50	100%	OK	Ar1254 C #2	0.52	105%	OK
Ar1254 D	0.45	90%	OK	Ar1254 D #2	0.47	94%	OK
Ar1254 E	0.48	96%	OK	Ar1254 E #2	0.52	104%	OK
	AVG	97%	OK		AVG	102%	OK

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5542 16/60 0.25 UG/ML
Column ID:	0.25 mm	Data File ID:	M31580SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				49.792	100		51.020	102	
PCB 1016				0.275	110		0.274	110	
PCB 1260				0.271	108		0.266	106	
DCB				48.460	97		53.649	107	

Lower Limit	Upper Limit
85	115

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

PCB FORM 7

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5550 AR 1254 0.25 UG/MI
Column ID:	0.25 mm	Data File ID:	M31581SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.265	106		0.262	105	

Lower Limit	Upper Limit
85	115

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

PCB FORM 7

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5544 16/60 0.5 UG/ML
Column ID:	0.25 mm	Data File ID:	M31597SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				103.576	104		104.081	104	
PCB 1016				0.563	113		0.548	110	
PCB 1260				0.557	111		0.540	108	
DCB				99.891	100		113.104	113	

Lower Limit	Upper Limit
85	115

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

PCB FORM 7

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5552 AR 1254 0.5 UG/ML
Column ID:	0.25 mm	Data File ID:	M31598SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.517	103		0.526	105	

Lower Limit	Upper Limit
85	115

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

PCB FORM 7

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5542 16/60 0.25 UG/ML
Column ID:	0.25 mm	Data File ID:	M31603SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				51.283	103		52.429	105	
PCB 1016				0.275	110		0.280	112	
PCB 1260				0.270	108		0.274	110	
DCB				50.398	101		57.397	115	

Lower Limit	Upper Limit
85	115

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

_____

PCB FORM 7

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5550 AR 1254 0.25 UG/MI
Column ID:	0.25 mm	Data File ID:	M31604SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.272	109		0.270	108	

Lower Limit	Upper Limit
85	115

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

_____

PCB FORM 7

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5542 16/60 0.25 UG/ML
Column ID:	0.25 mm	Data File ID:	M31811SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				51.347	103		52.592	105	
PCB 1016				0.281	112		0.235	94	
PCB 1260				0.266	106		0.259	104	
DCB				47.208	94		51.948	104	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

PCB FORM 7

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5550 AR 1254 0.25 UG/MI
Column ID:	0.25 mm	Data File ID:	M31812SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.271	109		0.264	106	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

PCB FORM 7

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5544 16/60 0.5 UG/ML
Column ID:	0.25 mm	Data File ID:	M31817SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				100.129	100		96.212	96	
PCB 1016				0.506	101		0.444	89	
PCB 1260				0.521	104		0.439	88	
DCB				86.774	87		88.957	89	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

PCB FORM 7

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5552 AR 1254 0.5 UG/ML
Column ID:	0.25 mm	Data File ID:	M31818SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.492	98		0.504	101	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

PCB FORM 7

PCB
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5544 16/60 0.5 UG/ML	M31537SI.D	10/9/2010 13:11	2.13		6.37		1.80		5.64	
Upper Limit			2.19		6.40		1.86		5.67	
Lower limit			2.07		6.34		1.74		5.61	

SAMPLE ID										
P5538 16/60 0.02 UG/ML	M31533SI.D	10/9/2010 12:30	2.13		6.37		1.80		5.64	
P5539 16/60 0.05 UG/ML	M31534SI.D	10/9/2010 12:40	2.13		6.37		1.80		5.64	
P5540 16/60 0.1 UG/ML	M31535SI.D	10/9/2010 12:50	2.13		6.37		1.80		5.64	
P5542 16/60 0.25 UG/ML	M31536SI.D	10/9/2010 13:01	2.13		6.37		1.80		5.64	
P5544 16/60 0.5 UG/ML	M31537SI.D	10/9/2010 13:11	2.13		6.37		1.80		5.64	
P5485 16/60 0.75 UG/ML	M31538SI.D	10/9/2010 13:21	2.13		6.37		1.80		5.64	
P5545 16/60 1.0 UG/ML	M31539SI.D	10/9/2010 13:31	2.13		6.37		1.80		5.64	
P5546 16/60 2.0 UG/ML	M31540SI.D	10/9/2010 13:42	2.13		6.37		1.80		5.64	
P5549 16/60 ICV 0.5 UG/ML	M31541CC.D	10/9/2010 13:52	2.13		6.37		1.80		5.64	
P5489 AR 1254 0.0625 UG/M	M31542SI.D	10/9/2010 14:02	2.14		6.37		1.80		5.64	
P5490 AR 1254 0.125 UG/ML	M31543SI.D	10/9/2010 14:12	2.14		6.37		1.80		5.64	
P5491 AR 1254 0.25 UG/ML	M31544SI.D	10/9/2010 14:23	2.14		6.37		1.80		5.64	
P5552 AR 1254 0.5 UG/ML	M31545SI.D	10/9/2010 14:33	2.13		6.37		1.80		5.64	
P5495 AR 1254 1.0 UG/ML	M31546SI.D	10/9/2010 14:43	2.13		6.37		1.80		5.64	
P5496 AR 1254 2.0 UG/ML	M31547SI.D	10/9/2010 14:54	2.13		6.37		1.80		5.64	
P5498 AR 1254 ICV 0.5 UG/M	M31548CC.D	10/9/2010 15:04	NA		NA		NA		NA	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

PCB
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 68000

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5542 16/60 0.25 UG/ML	M31580SC.D	10/12/2010 12:30	2.14		6.37		1.80		5.64	
Upper Limit			2.20		6.40		1.86		5.67	
Lower limit			2.08		6.34		1.74		5.61	
SAMPLE ID										
P5550 AR 1254 0.25 UG/ML	M31581SC.D	10/12/2010 12:40	2.14		6.37		1.80		5.64	
B100810PW	M31582B.D	10/12/2010 12:54	2.14		6.38		1.80		5.65	
L100810PWB	M31583Q.D	10/12/2010 13:04	2.14		6.37		1.81		5.64	
LD100810PWB	M31584Q.D	10/12/2010 13:14	2.14		6.37		1.80		5.64	
L100810PWB2	M31585Q.D	10/12/2010 13:25	2.14		6.37		1.80		5.64	
LD100810PWB2	M31586Q.D	10/12/2010 13:35	2.14		6.37		1.80		5.64	
P5544 16/60 0.5 UG/ML	M31597SC.D	10/12/2010 15:28	2.13		6.37		1.80		5.64	
P5552 AR 1254 0.5 UG/ML	M31598SC.D	10/12/2010 15:38	2.13		6.37		1.80		5.64	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

PCB
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 68000

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5544 16/60 0.5 UG/ML	M31597SC.D	10/12/2010 15:28	2.13		6.37		1.80		5.64	
Upper Limit			2.19		6.40		1.86		5.67	
Lower limit			2.07		6.34		1.74		5.61	
SAMPLE ID										
P5552 AR 1254 0.5 UG/ML	M31598SC.D	10/12/2010 15:38	2.13		6.37		1.80		5.64	
B100810PW	M31599B.D	10/12/2010 15:48	2.13		6.37		1.80		5.64	
68000-2	M31600.D	10/12/2010 15:59	2.14		6.37		1.80		5.64	
P5542 16/60 0.25 UG/ML	M31603SC.D	10/12/2010 16:29	2.13		6.37		1.80		5.64	
P5550 AR 1254 0.25 UG/ML	M31604SC.D	10/12/2010 16:40	2.13		6.37		1.80		5.64	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

PCB
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5542 16/60 0.25 UG/ML	M31811SC.D	10/18/2010 12:02	2.13		6.36		1.79		5.64	
Upper Limit			2.19		6.39		1.85		5.67	
Lower limit			2.07		6.33		1.73		5.61	
SAMPLE ID										
P5550 AR 1254 0.25 UG/ML	M31812SC.D	10/18/2010 12:20	2.13		6.38		1.79		5.64	
B101210PSOX2,RR2,,A/C	M31813B.D	10/18/2010 12:31	2.13		6.37		1.79		5.64	
L101210PSOX2,RR2,,A/C	M31814Q.D	10/18/2010 12:41	2.13		6.37		1.79		5.64	
LD101210PSOX2,RR2,,A/C	M31815Q.D	10/18/2010 12:51	2.13		6.37		1.79		5.64	
68000-1,1:10,,A/C	M31816.D	10/18/2010 13:01	2.13		6.38		1.80		5.64	
P5544 16/60 0.5 UG/ML	M31817SC.D	10/18/2010 13:17	2.13		6.38		1.79		5.64	
P5552 AR 1254 0.5 UG/ML	M31818SC.D	10/18/2010 13:29	2.13		6.37		1.79		5.64	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 22, 2010

SAMPLE DATA

Lab Sample ID:	B101510DW
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1
Collection Date:	N/A
Lab Receipt Date:	N/A
Extraction Date:	10/15/10
Analysis Date:	10/18/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	LABQC

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
U	µg/L	50

Surrogate Standard Recovery

m-Terphenyl 72 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS:
TPH layout

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID:	68000-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	10/08/10
Lab Receipt Date:	10/08/10
Extraction Date:	10/15/10
Analysis Date:	10/18/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GP-01

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
151	μg/L	50

Surrogate Standard Recovery

m-Terphenyl	83	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Quantitation performed based on a No. 2 Fuel/Diesel Oil standard.

TPH layout

Authorized signature

TOTAL PETROLEUM HYDROCARBONS AQUEOUS
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: G SDG:
GC Column: RTX-5ms
Column ID: 0.25 mm

SAMPLE ID	SMC 1 (%)	#
B101510DW	72	
L101510DW#2	88	
LD101510DW#2	88	
68000-2	83	

	Lower Limit	Upper Limit
SMC #1 = m-terphenyl	60	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

TPH FORM 2

TOTAL PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/DUPLICATE
PERCENT RECOVERY

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 68000
Non-spiked sample: B101510DW
Spike: L101510DW#2
Spike duplicate: LD101510DW#2

COMPOUND	LCS SPIKE ADDED (mg/kg)	LCSD SPIKE ADDED (mg/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (mg/kg)	SPIKE RESULT (mg/kg)	SPIKE % REC	#	SPIKE DUP RESULT (mg/kg)	SPIKE DUP % REC	#	RPD	#
TPH LOW (<1.0)	67	67	64	117	20	0	54	81		56	84		4	
TPH HIGH (>1.0)	67	67	64	117	20	0	54	80		56	84		5	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
Spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

TPH FORM 3

TPH / DRO Instrument: G

Analytics environmental laboratory LLC

Load: gg

Detector: A 100710 - G Unload: gg

Run	Vial #	Sample	Method	Comments
G69672	100	$MeCl_2$	7100710A.m	
74	100	$MeCl_2$		
76	1	T6811 #2 FO RT STD		✓
78S1	2	T6786 #2 FO 0.025		✓
80S1	3	T6787 #2 FO 0.05		✓
82S1	4	T6788 #2 FO 0.1		✓
84S1	5	T6798 #2 FO 0.5		✓
86S1	6	T6799 #2 FO 1.0		✓
88S1	7	T6789 #2 FO 2.0		✓
90S1	8	T6790 #2 FO 5.0		✓
92S1	9	T6791 #2 FO 10.0		✓
94S1	10	T6792 #2 FO 25.0		✓
96Q	11	T6796 #2 FO CC 1.0		✓

gg 10/13/10

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

ANALYTICS LLC\AEL Documents\logbooks\sequence

REV 3 04/29/10

[29]

TPH / DRO Instrument: G

Analytics environmental laboratory LLC

Load:
Unload:

Detector: A 101810-G

Run	Vial #	Sample	Method	Comments
G69746	100	MeCl2	T100710A.m	
48	1	T6811 #2 FO RT STD		✓
50SC	2	T6798 #2 FO 0.5		✓
52B	4	B101510DW		✓
54Q	5	L101510DW#2		✓
56Q	6	LD101510DW#2		✓
58	7	68000-2		✓
60	8	68042-1		✓
62	1	T6811 #2 FO RT STD		✓
64SC	2	T6798 #2 FO 0.5		✓

10/19/10

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:09:43 2010

Calibration Files
0.02 =G69678SI.D 0.05 =G69680SI.D 0.1 =G69682SI.D
0.5 =G69684SI.D 1.0 =G69686SI.D 2.0 =G69688SI.D

gg 10/13/10

		Compound	0.02	0.05	0.1	0.5	1.0	2.0	Avg		%RSD
1)	S	M-TERPHENYL	4.131	3.475	2.863	3.044	3.234	3.344	3.427	E4	11.81 ✓
2)	HM	TPH LOW (<1.0)	2.851	2.116	2.098	2.467	2.760	2.815	2.726	E7	15.69 ✓
3)	HM	TPH HIGH (>1.0)	2.832	2.073	2.102	2.467	2.760	2.815	2.719	E7	15.97 ✓

VJL
10.14.10

(#) = Out of Range ### Number of calibration levels exceeded format ###
T100710A.M Wed Oct 13 16:10:45 2010

TOTAL PETROLEUM HYDROCARBONS
INITIAL CALIBRATION VERIFICATION

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: T6796 #2 FO CC 1.0 MG
Data File ID: G69696SI.D

COMPOUND	STANDARD RESULT (mg/mL)	% Recovery	#
M-TERPHENYL	91.4	91	
TPH LOW (<1.0)	1.095	109	
TPH HIGH (>1.0)	1.097	110	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

TPH FORM 7

TOTAL PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 68000
Standard ID: T6798 #2 FO 0.5 MG/ML
Data File ID: G69750.D

COMPOUND	STANDARD RESULT (mg/mL)	% Recovery	#
M-TERPHENYL	50.7	101	
TPH LOW (<1.0)	0.511	102	
TPH HIGH (>1.0)	0.513	103	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

TPH FORM 7

TOTAL PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG: 68000
Standard ID: T6798 #2 FO 0.5 MG/ML
Data File ID: G69764SC.D

COMPOUND	STANDARD RESULT (mg/mL)	% Recovery	#
M-TERPHENYL	57.6	115	
TPH LOW (<1.0)	0.568	114	
TPH HIGH (>1.0)	0.567	113	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

TPH FORM 7

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Client Sample ID: WC-B82-GP-01

SAMPLE DATA

Lab Sample ID: 68000-2
Matrix: Aqueous
Percent Solid N/A
Collection Date: 10/08/10 13:45
Lab Receipt Date: 10/08/10

Parameter	Result	Date Analyzed		Detection Limit	Units
pH	**7.9**	10/08/10	20:22	NA	pH units
Flashpoint	>165	10/14/10		NA	° Fahrenheit
Sulfide Reactivity	U	10/14/10		10	mg/L
Cyanide Reactivity	U	10/14/10		10	mg/L

U = Undetected NA = Not Applicable <=Less than >=Greater than

METHODOLOGY: pH: Sample analyzed according to "EPA SW 846 Method 9040 pH in water"
FlashPoint: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."
Reacitivty: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS:

Authorized signature

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-62145-1

SDG Number: 68000

Job Description: 106-2282 NAS SOWEY

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
10/28/2010 7:36 AM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
10/28/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SAV	SW846 7471B	
Preparation, Mercury	TAL SAV		SW846 7471B
Matrix Water			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Total Metals	TAL SAV		SW846 3010A
Mercury (CVAA)	TAL SAV	SW846 7470A	
Preparation, Mercury	TAL SAV		SW846 7470A
Organic Carbon, Total (TOC)	TAL SAV	SW846 9060A	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method	Analyst	Analyst ID
SW846 6010C	Bland, Brian	BCB
SW846 7470A	Eaton, Cliff	CE
SW846 7471B	Eaton, Cliff	CE
SW846 9060A	Blackshear, Kim	KB

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-62145-1	WC-B82-GTM-05	Solid	10/07/2010 1600	10/13/2010 1040
680-62145-2	WC-B82-GP-01	Water	10/08/2010 1345	10/13/2010 1040

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Client Sample ID: WC-B82-GTM-05

Lab Sample ID: 680-62145-1
Client Matrix: Solid
% Moisture: 18.3

Date Sampled: 10/07/2010 1600
Date Received: 10/13/2010 1040

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-183386		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-183043		Lab File ID:	101810.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	10/19/2010 0518			Final Weight/Volume:	100 mL
Date Prepared:	10/15/2010 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		3.1		0.70	2.4
Barium		170	J	0.36	1.2
Cadmium		19	J	0.12	0.59
Chromium		390	J	0.59	1.2
Silver		6.7	J	0.11	1.2
Lead		1100	J	0.63	1.2
Selenium		1.2	U	1.2	3.0

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-183477		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-183262		Lab File ID:	b101910.chr
Dilution:	5.0			Initial Weight/Volume:	0.51 g
Date Analyzed:	10/20/2010 0830			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2010 1618				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.78	B J	0.049	0.12

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Client Sample ID: **WC-B82-GP-01**

Lab Sample ID: 680-62145-2
Client Matrix: Water

Date Sampled: 10/08/2010 1345
Date Received: 10/13/2010 1040

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-183386		Instrument ID:	ICPD
Preparation:	3010A	Prep Batch: 680-183096		Lab File ID:	101810.chr
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/19/2010 0124			Final Weight/Volume:	50 mL
Date Prepared:	10/15/2010 1340				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	4.6	U	4.6	20
Barium	43		2.3	10
Cadmium	2.0	U	2.0	5.0
Chromium	21		1.2	10
Silver	0.89	U	0.89	10
Lead	26		4.0	10
Selenium	6.4	U	6.4	20

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-182968		Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-182934		Lab File ID:	b101410.chr
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/14/2010 1821			Final Weight/Volume:	50 mL
Date Prepared:	10/14/2010 1155				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.091	U	0.091	0.20

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

General Chemistry

Client Sample ID: **WC-B82-GP-01**

Lab Sample ID: 680-62145-2
Client Matrix: Water

Date Sampled: 10/08/2010 1345
Date Received: 10/13/2010 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	3.1		mg/L	0.50	1.0	1.0	9060A

Analysis Batch: 680-183618 Date Analyzed: 10/20/2010 1241

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Lab Section	Qualifier	Description
Metals		
	B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	U	Undetected at the Limit of Detection.
General Chemistry		
	U	Undetected at the Limit of Detection.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method Blank - Batch: 680-183043

Method: 6010C
Preparation: 3050B

Lab Sample ID: MB 680-183043/13-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/19/2010 1315
Date Prepared: 10/15/2010 0947

Analysis Batch: 680-183386
Prep Batch: 680-183043
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 101810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.59	U	0.59	2.0
Barium	0.30	U	0.30	1.0
Cadmium	0.10	U	0.10	0.50
Chromium	0.50	U	0.50	1.0
Silver	0.096	U	0.096	1.0
Lead	0.53	U	0.53	1.0
Selenium	1.0	U	1.0	2.5

Lab Control Sample - Batch: 680-183043

Method: 6010C
Preparation: 3050B

Lab Sample ID: LCS 680-183043/15-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/19/2010 0513
Date Prepared: 10/15/2010 0947

Analysis Batch: 680-183386
Prep Batch: 680-183043
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 101810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	210	105	75 - 125	
Barium	200	214	107	75 - 125	
Cadmium	5.00	5.28	106	75 - 125	
Chromium	20.0	21.5	107	75 - 125	
Silver	5.00	4.69	94	75 - 125	
Lead	50.0	53.7	107	75 - 125	
Selenium	200	209	105	75 - 125	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Matrix Spike - Batch: 680-183043

Method: 6010C
Preparation: 3050B

Lab Sample ID:	680-62145-1	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-183043	Lab File ID:	101810.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.03 g
Date Analyzed:	10/19/2010 0534			Final Weight/Volume:	100 mL
Date Prepared:	10/15/2010 0947				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Lead	1100	59.4	1350	463	75 - 125	4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183043

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-62145-1	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-183043	Lab File ID:	101810.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	10/19/2010 0534			Final Weight/Volume:	100 mL
Date Prepared:	10/15/2010 0947				

MSD Lab Sample ID:	680-62145-1	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-183043	Lab File ID:	101810.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	10/19/2010 0539			Final Weight/Volume:	100 mL
Date Prepared:	10/15/2010 0947				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	97	104	75 - 125	7	20		
Barium	108	134	75 - 125	14	20		J
Cadmium	-0.3	154	75 - 125	39	20	J	J
Chromium	2556	1034	75 - 125	44	20	4	4 J
Silver	64	127	75 - 125	30	20	J	J
Selenium	96	102	75 - 125	6	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method Blank - Batch: 680-183096

Method: 6010C
Preparation: 3010A

Lab Sample ID:	MB 680-183096/21-A	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Water	Prep Batch:	680-183096	Lab File ID:	101810.chr
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	10/18/2010 2321			Final Weight/Volume:	50 mL
Date Prepared:	10/15/2010 1340				

Analyte	Result	Qual	MDL	RL
Arsenic	4.6	U	4.6	20
Barium	2.3	U	2.3	10
Cadmium	2.0	U	2.0	5.0
Chromium	1.2	U	1.2	10
Silver	0.89	U	0.89	10
Lead	4.0	U	4.0	10
Selenium	6.4	U	6.4	20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-183096

Method: 6010C
Preparation: 3010A

LCS Lab Sample ID:	LCS 680-183096/22-A	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Water	Prep Batch:	680-183096	Lab File ID:	101810.chr
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	10/18/2010 2327			Final Weight/Volume:	50 mL
Date Prepared:	10/15/2010 1340				

LCSD Lab Sample ID:	LCSD 680-183096/23-A	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Water	Prep Batch:	680-183096	Lab File ID:	101810.chr
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	10/18/2010 2332			Final Weight/Volume:	50 mL
Date Prepared:	10/15/2010 1340				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Arsenic	100	102	75 - 125	2	20		
Barium	101	102	75 - 125	2	20		
Cadmium	101	102	75 - 125	1	20		
Chromium	101	103	75 - 125	2	20		
Silver	88	89	75 - 125	1	20		
Lead	101	102	75 - 125	1	20		
Selenium	100	102	75 - 125	1	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183096

Method: 6010C
Preparation: 3010A

MS Lab Sample ID:	680-62103-G-1-C MS	Analysis Batch: 680-183386	Instrument ID: ICPD
Client Matrix:	Water	Prep Batch: 680-183096	Lab File ID: 101810.chr
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	10/19/2010 0232		Final Weight/Volume: 50 mL
Date Prepared:	10/15/2010 1340		

MSD Lab Sample ID:	680-62103-G-1-D MSD	Analysis Batch: 680-183386	Instrument ID: ICPD
Client Matrix:	Water	Prep Batch: 680-183096	Lab File ID: 101810.chr
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	10/19/2010 0237		Final Weight/Volume: 50 mL
Date Prepared:	10/15/2010 1343		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	102	108	75 - 125	6	20		
Barium	100	105	75 - 125	5	20		
Cadmium	99	104	75 - 125	5	20		
Chromium	101	106	75 - 125	5	20		
Silver	86	91	75 - 125	5	20		
Lead	99	105	75 - 125	6	20		
Selenium	100	106	75 - 125	6	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method Blank - Batch: 680-182934

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 680-182934/1-A	Analysis Batch:	680-182968	Instrument ID:	LEEMAN1
Client Matrix:	Water	Prep Batch:	680-182934	Lab File ID:	b101410.chr
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	10/14/2010 1757			Final Weight/Volume:	50 mL
Date Prepared:	10/14/2010 1155				

Analyte	Result	Qual	MDL	RL
Mercury	0.091	U	0.091	0.20

Lab Control Sample - Batch: 680-182934

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 680-182934/2-A	Analysis Batch:	680-182968	Instrument ID:	LEEMAN1
Client Matrix:	Water	Prep Batch:	680-182934	Lab File ID:	b101410.chr
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	10/14/2010 1800			Final Weight/Volume:	50 mL
Date Prepared:	10/14/2010 1155				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.50	2.29	92	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-182934

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	680-62145-2	Analysis Batch:	680-182968	Instrument ID:	LEEMAN1
Client Matrix:	Water	Prep Batch:	680-182934	Lab File ID:	b101410.chr
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/14/2010 1830			Final Weight/Volume:	50 mL
Date Prepared:	10/14/2010 1155				

MSD Lab Sample ID:	680-62145-2	Analysis Batch:	680-182968	Instrument ID:	LEEMAN1
Client Matrix:	Water	Prep Batch:	680-182934	Lab File ID:	b101410.chr
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/14/2010 1833			Final Weight/Volume:	50 mL
Date Prepared:	10/14/2010 1155				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	88	93	80 - 120	5	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method Blank - Batch: 680-183262

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 680-183262/1-A	Analysis Batch:	680-183477	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-183262	Lab File ID:	b101910.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.54 g
Date Analyzed:	10/20/2010 0828			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2010 1618				

Analyte	Result	Qual	MDL	RL
Mercury	0.0246		0.0076	0.019

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-183262

Method: 7471B
Preparation: 7471B

LCS Lab Sample ID:	LCS 680-183262/2-A	Analysis Batch:	680-183477	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-183262	Lab File ID:	b101910.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.55 g
Date Analyzed:	10/19/2010 1720			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2010 1618				

LCSD Lab Sample ID:	LCSD 680-183262/25-A	Analysis Batch:	680-183477	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-183262	Lab File ID:	b101910.chr
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.50 g
Date Analyzed:	10/19/2010 1724			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2010 1711				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	101	103	80 - 120	12	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183262

Method: 7471B
Preparation: 7471B

MS Lab Sample ID:	680-62145-1	Analysis Batch:	680-183477	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-183262	Lab File ID:	b101910.chr
Dilution:	5.0			Initial Weight/Volume:	0.55 g
Date Analyzed:	10/20/2010 0833			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2010 1618				

MSD Lab Sample ID:	680-62145-1	Analysis Batch:	680-183477	Instrument ID:	LEEMAN1
Client Matrix:	Solid	Prep Batch:	680-183262	Lab File ID:	b101910.chr
Dilution:	5.0			Initial Weight/Volume:	0.53 g
Date Analyzed:	10/20/2010 0836			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2010 1618				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	133	271	80 - 120	16	20	4	4

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method Blank - Batch: 680-183618

Method: 9060A
Preparation: N/A

Lab Sample ID: MB 680-183618/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1152
Date Prepared: N/A

Analysis Batch: 680-183618
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: TOC102010.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	0.50	U	0.50	1.0

Lab Control Sample - Batch: 680-183618

Method: 9060A
Preparation: N/A

Lab Sample ID: LCS 680-183618/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1225
Date Prepared: N/A

Analysis Batch: 680-183618
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: TOC102010.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	20.0	19.0	95	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183618

Method: 9060A
Preparation: N/A

MS Lab Sample ID: 680-62308-E-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1742
Date Prepared: N/A

Analysis Batch: 680-183618
Prep Batch: N/A

Instrument ID: TOC3
Lab File ID: TOC102010.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 680-62308-E-1 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1757
Date Prepared: N/A

Analysis Batch: 680-183618
Prep Batch: N/A

Instrument ID: TOC3
Lab File ID: TOC102010.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon	98	97	80 - 120	2	25		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Duplicate - Batch: 680-183618

Method: 9060A
Preparation: N/A

Lab Sample ID: 680-62297-B-5 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1705
Date Prepared: N/A

Analysis Batch: 680-183618
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: TOC102010.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	45	44.3	1	25	

Chain Of Custody Form

TA-GA

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 1.3
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: 106-2282 Proj. Name: NAS SOWEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 68000 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
WC-B82-GTM-05	10/7/10	1600	RCRA 8 Metals		X						S	1	g		68000-1
⊥	⊥	⊥	TCLP RCRA 8 - Hold		X						S	1	g		
WC-B82-GP-01	10/8/10	1345	RCRA 8 Metals			X					GW	1	pl		-2
⊥	⊥	⊥	TCLP RCRA 8 - Hold		X						⊥	1	pl		
			TOC				X					2	g		

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒
*Fee may apply; lab approval required

Comments / Instructions:
Please reference Station ID number and AEL Lab number on report(s).

Method Type: (RCRA) NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☒ DOD* ☒ Level IV*
☐ Standard

State:
☐ NH
☒ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)

EDD Required: (Y*) N
Type: TTEC EDD

	Received By:	Date:	Time:
Relinquished By Sampler:	Relinquished By: Lisa Trittel	Date: 10/12/10	Time: 1608
Relinquished By:	Relinquished By:	Date: 10.13.10	Time: 1040
Received By:	Received By:	Date:	Time:

Analytics\AEL Documents\AEL COC

Page 1 of 1

680-62145

EXTRACTION
LOGBOOK PAGES

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 10/13/10

Initials: JL

EXTRACT TRANSFER SHEET

Semi-Volatile Compounds:

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
67958-1	625	10/12/10	Aqueous	1000		1.0		Emulsion
67959-1	625	10/12/10	Aqueous	1010		1.0		
67960-1	625	10/12/10	Aqueous	1005		1.0		Emulsion
67980-13	8270W	10/12/10	Aqueous	1000		1.0		
67980-14	8270W	10/12/10	Aqueous	995		1.0		
67995-1	625	10/12/10	Aqueous	1025		1.0		Emulsion
68000-2	8270W	10/12/10	Aqueous	1015		1.0		Emulsion

JL 10/13/10

KE 10.14.10

Base Neutral Acid Extractables Aqueous Preparation Logbook

analytics environmental laboratory LLC

Method References: SW-846 3510 Liquid/Liquid extraction, EPA 625

Date: 10.12.10
Time: 8:30am Initials: SU

QC Batch ID : Q-P-101210-1-SU
Prep. Batch ID P-P-101210-1-SU

Shaker Table Speed: 62

Sample #	Initial Vol (mL)	① mL Surrogate	②③④ Spike	Nuetral Shake **	Base pH/Verify	Ext Vol Recov.	Acid pH/verify	Total vol. Rec.	Final Vol MeCl2	Cook Down Date	Turbp Vap #
B101210AW	1000	0.5	—	✓	12.5/12.5	>120mL	1.5/1.5	>120mL	1ml	10.13.10 SU	4
C101210AW	1000	0.5	1.0/1.0/1.0	✓	12.5/12.5		1.5/1.5				
CD101210AW	1000	0.5	1.0/1.0/1.0	✓	12.5/12.5		1.5/1.5				
67958-1 ★	1000	0.5	—	✓	12.5/12.5		1.5/1.5				
67959-1	1010	0.5	—	✓	12.5/12.5		1.5/1.5				
67960-1 ★	1005	0.5	—	✓	12.5/12.5		1.5/1.5				
67980-13	1000	0.5	—	✓	12.5/12.5		1.5/1.5				1
↓ -14	995	0.5	—	✓	12.5/12.5		1.5/1.5				
67995-1 ★★	1025	0.5	—	✓	12.5/12.5		1.5/1.5				
68000-2 ★	1015	0.5	—	✓	12.5/12.5		1.5/1.5				
67975-19, BN	995	0.5	—	✓	12.5/12.5	>120mL ≥120mL					
67976-20,	1015	0.5	—	✓	12.5/12.5						2
67977-20,	1010	0.5	—	✓	12.5/12.5						
67978-16,	1015	0.5	—	✓	12.5/12.5						
67993-1, ★	1065	0.5	—	✓	12.5/12.5		SU 10.12.10				
67979-1, 1x ★	1000	0.5	—	✓	12.5/12.5						
-1, 5x ★	200	0.5	—	✓	12.5/12.5						4
-1, 10x ★	100	0.5	—	✓	12.5/12.5						
-1, 1x Acid ★	1000	0.5	—				1.5/1.5	>120mL			
-1, 5x ★ SU 10.12.10	200	0.5	—		SU 10.12.10		1.5/1.5				
-1, 10x ★	100	0.5	—				1.5/1.5				
					8 10/13 BLW						

★Emulsion. - SU 10.12.10
★★Emulsion broken up w/ glass wool. - SU 10.12.10

	Lot #	Exp. Date:
MeCl2 :	304500	4.30.11
1:1 H2SO4 :	M7974	1.26.11
NaOH :	0200-18	7.20.12
Na2SO4 :	EU310	5.21.15

	Lot #	Exp Date	Syringe #
① ABN Surrogate:	510132	3.24.11	PS-048
② ABN Spike (40 ug/mL):	510143	3.28.11	PS-042
③ Benzidines Spike (80 ug/mL):	510155	4.12.11	PS-038
PAH Surrogate (5.0 ug/mL):	—	—	—
PAH MS (5.0 ug/mL):	—	—	—
TCLP MS (80 ug/mL):	—	—	—
④ DOD Extras MS (40ug/mL)	510130	x 3.23.11	PS-055

Shaker Table: SHKR-1

~~1ml Vol:~~ SU 10.14.10

**Note: "Nuetral extraction" is a one-time shake performed before pH adjustment. The MeCl2 aliquot is not drained and is used for the first "Base Extraction"

67979 → Emulsion. 1x BN + 1x Acid req'd 1 add'l shake w/ 100mL MeCl2 to achieve >120mL extract. - SU 10.12.10

1ml vol: 471

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 10/13/10

Initials: KE

EXTRACT TRANSFER SHEET

Polychlorinated Biphenyl PCB

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
~~67977-1~~	~~8082SOX~~	~~10/12/10~~	~~Solid~~		~~10.24~~	~~5.0~~	~~81.99~~	
67977-2	8082SOX	10/12/10	Solid		10.18	5.0	88.19	
67977-3	8082SOX	10/12/10	Solid		10.02	5.0	83.24	
67977-4	8082SOX	10/12/10	Solid		10.08	5.0	74.54	
67977-5	8082SOX	10/12/10	Solid		10.64	5.0	95.25	
67977-6	8082SOX	10/12/10	Solid		10.73	5.0	79.28	
67977-7	8082SOX	10/12/10	Solid		10.21	5.0	93.91	
67977-8	8082SOX	10/12/10	Solid		10.32	5.0	91.12	
67977-9	8082SOX	10/12/10	Solid		10.78	5.0	93.69	
67977-10	8082SOX	10/12/10	Solid		10.38	5.0	90.75	
67977-11	8082SOX	10/12/10	Solid		10.52	5.0	93.31	
67977-12	8082SOX	10/12/10	Solid		10.84	5.0	90.94	
67977-13	8082SOX	10/12/10	Solid		10.85	5.0	92.04	
67977-14	8082SOX	10/12/10	Solid		10.77	5.0	91.34	
67977-15	8082SOX	10/12/10	Solid		10.36	5.0	92.92	
67977-16	8082SOX	10/12/10	Solid		10.57	5.0	90.67	
67977-17	8082SOX	10/12/10	Solid		10.84	5.0	94.41	
~~67977-19~~	~~8082SOX~~	~~10/12/10~~	~~Solid~~		~~10.68~~	~~5.0~~		
68000-1	8082SOX	10/12/10	Solid		10.45	5.0	86.52	
68002-1	8082SOX	10/12/10	Solid		10.23	5.0		
68002-2	8082SOX	10/12/10	Solid		10.52	5.0		
68002-3	8082SOX	10/12/10	Solid		10.36	5.0		
68002-4	8082SOX	10/12/10	Solid		10.94	5.0		

EB 10.13.10

EB 10.13.10

10.13.10

analytics environmental laboratory

Pesticide and PCB ~~Solid Preparation~~ Logbook

Method References ~~SW-846~~ 3540C Soxhlet

Date: 10·12·10 Start Time: 5:27pm QC Batch ID: Q-P-101210-2-KE
Initials: KE Prep. Batch ID P-P-101210-2-KE
Reviewed by EB 10·13·10 Stop Time: 9:38AM

Sample #	Matrix	Weight (g)	mL ① Surr	mL ② Spike	Mantle Position	Cook Down Date	Volumetric Serial #	Final Vol. Hexane	Turbo Vap #	Clean Up
B101210PSOX2	Na_2SO_4	10.00	0.5 JL	—	32	10·13·10	2185	5mL	1	A/C
L101210PSOX2	Si Sand	10.~~1499~~	0.5 JL	0.5	33	EB				
LD101210PSOX2		10.~~8535~~	0.5	0.5	34					
68000-1	Sand	10.46	0.5	—	35				2	
68002-1	Soil	10.23	0.5	—	36				4	
-2	Mud/Sand	10.52	0.5	—	25					
-3	Soil	10.36	0.5	—	26					
-4		10.94	0.5	—	27					
-6		10.08	0.5	—	28					
-7	Sand	10.10	0.5	—	29					
-7,MS		10.49	0.5	0.5 JL	30				1	
-7,MSD		10.53	0.5	0.5	43					
-8	Clay	10.75	0.5	—	44					
-9	Sandy clay	10.28	0.5	—	45					
-10	Clay	10.54	0.5	—	46					
-11		10.10	0.5	—	47				2	

JL 10.12.10

	Lot #	Exp. Date
Hexane:	1008355	10·13·15
Si Sand:	F161203SP	1·13·15
Na_2SO_4:	E0310	5·21·15
1:1 MeCl2/Acetone:	M8133	4·12·11
Diatomaceous earth:	—	—
Conc H2SO4:	093330	5·17·15
Florisil Cartridge:	—	—

	Lot #	Exp Date	Syringe #
① PP Surrogate (1.0 ug/mL):	P5526	3·23·11	PS-052
② PCB MS (4.0 ug/mL):	P5522	2·4·11	PS-050
Pest Spike (500 ug/L):	—	—	—

Balance: SCL.3

SCL: —

AEL_Documents:_TopLevelOldServer:AEL Documents LLC:logbooks:PREP LOGBOOKS.xls 10/20/09 Rev 1

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 10/12/10

Initials: SMC

EXTRACT TRANSFER SHEET

Polychlorinated Biphenyl PCB

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
67922-1	8082W	10/08/10	Aqueous	250		5.0		
67924-1	8082W	10/08/10	Aqueous	250		5.0		
67963-18	8082W	10/08/10	Aqueous	980		5.0		
67966-4	8082W	10/08/10	Aqueous	980		5.0		
67966-34	8082W	10/08/10	Aqueous	960		5.0		
67975-19	8082W	10/08/10	Aqueous	990		5.0		
67976-20	8082W	10/08/10	Aqueous	1000		5.0		
67977-20	8082W	10/08/10	Aqueous	1020		5.0		
67978-16	8082W	10/08/10	Aqueous	1010		5.0		
67980-14	8082W	10/08/10	Aqueous	980		5.0		
68000-2	8082W	10/08/10	Aqueous	1020		5.0		
68002-5	8082W	10/08/10	Aqueous	960		5.0		
68002-12	8082W	10/08/10	Aqueous	980		5.0		

VKE 10-12-10

JSW 10.12.10

Pesticides and PCBs Aqueous Preparation Logbook

analytics environmental laboratory LLC

Circle Method Reference: SW-846 3510 Liquid/Liquid extraction; EPA 608

Date: 10-8-10 Initials: S

Time: 915 pm

Shaker Table ID: Shkr-1 Speed: 62

QC Batch ID: 100810 ~~P-097310~~ 2-SC

Prep. Batch ID: PP-100810-3-SC

Sample #	Initial Volume	(1) mL Surrogate	mL Spike	Add 40mL Sat. Na_2SO_4	Extracted Volume(mL)	Final Volume Hexane	Cook Down Date	Clean-up	TurboVap #
B100810PW	1000	0.5	—	✓	>120	5ml	10.9.10		4
L100810PWB	1000	0.5	0.5 (2)	✓					
LD100810PWB	1000	0.5	0.5 (2)	✓					
L100810PWB2	1000	0.5	0.5 (3)	✓					
LD100810PWB2	1000	0.5	0.5 (3)	✓					
67922-1	250	0.5	—	✓					
67924-1	750	0.5	—	✓					
67963-18	980	0.5	—	✓					
67966-4	980	0.5	—	✓					
L -34	960	0.5	—	✓					
67975-19	980	0.5	—	✓					
67976-20	1000	0.5	—	✓					
67977-20	1020	0.5	—	✓					
67978-16	1010	0.5	—	✓					
67980-14	980	0.5	—	✓					
68002-5	960	0.5	—	✓					
L -12	980	0.5	—	✓					
68000-2	1020	0.5	—	✓					

10/9/10

	Lot #	Exp. Date
$MeCl_2$:	T04500	4.30.11
Na_2SO_4:	—	—
Hexane (for exchange):	1008355	10.8.15
Conc H_2SO_4		
Florisil Cartridge	—	—
Saturated Na_2SO_4 Solution	M5087	3.20.11

	Lot #	Exp Date	Syringe #
(1) PP Surrogate (1.0 ug/mL):	P5526	3.23.11	PS-050
(2) PCB MS (4.0 ug/mL):	P5522	2.4.11	PS-020
Pest Spike (500 ug/L):	—	—	—
~~TCLP Pest Spike:~~ (3) PCB 12 Spike (4ug/ml)	P5524	3.22.11	PS-052

VKE 10.12.10

5ml vol. 287

10/21/09 Rev 3

[50]

Prep Home

All-Save

Select

Entry Loop

Print

Use the print button - it enters the transfer date

Transfer Date: 10/15/10

Initials: SMC

EXTRACT TRANSFER SHEET

Petroleum Hydrocarbons:

Sample	Analysis	Extraction Date	Matrix	Initial Volume(mL)	Initial Weight(g)	Final Volume(mL)	% Solids	Extraction Comments
68000-2	8015TW	10/15/10	Aqueous	1005		1.0		
68042-1	8015TW	10/15/10	Aqueous	940		1.0		Emulsion

SC 10/15/10

JEB 10.18.10

analytics environmental laboratory LLC

Total Petroleum Hydrocarbon/ Diesel Range Organics
Aqueous Preparation Logbook

Method References: SW-846 3510 Liquid/Liquid extraction
ME HETL 4.1.25

Date: 10.15.10
Time: 6:00 pm
Initials: SC
Shaker Table ID: Shkr-1

QC Batch ID: Q-P-101~~5~~06 10-1-JLL
Prep. Batch ID: P-P-101510-1-SC SC 10.15.10
Speed: 62

Sample #	Initial Volume	pH<2	mL Surr (1)	mL Spike	Ex Vol (ml)	Final Vol MeCl2	Cook Down Date	Turbo Vap #
B101510DW	1000	1.5	1.0	—	>120	1ml	10.15.10 (SC)	4
LD101510DW	1000	1.5	1.0	(2) 1.0	↓	↓	↓	↓
LD101510DW#2	1000	1.5	1.0	(3) 1.0				
68034-1 (4125)	1010	1.5	1.0	—				
↓ -2	1005	1.5	1.0	—				
68037-1* ↓	1010	1.5	1.0	—				
68000-2 (8025)	1005	1.5	1.0	—	↓	↓	↓	↓
68042-1* ↓	940	1.5	1.0	—	↓	↓	↓	↓
LD101510DW#2	1000	1.5	1.0	(3) 1.0	↓	↓	↓	↓

SC 10/15/10

1ml vol 1120

	Lot #	Exp. Date:
MeCl2:	J04S00	4.30.11
1:1 HCl:	M8117	4.5.11
Na2SO4:	—	—
Shaker Table Speed:	62	—

	Lot #	Exp Date	Syringe #
(1) DRO/TPH Surrogate (0.1 mg/mL):	T6832	2.9.11	PS-038
(2) DRO Spike (1.0 mg/mL):	T6834	4.15.11	PS-055
(3) #2 Fuel Oil Spike (1.0 mg/mL):	T6836	4.15.11	PS-042

*emulsion @ 10.15.10

JEB 10.18.10

Rev 4 11/05/09

VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: MB10150C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	91	%	d8-Toluene	98	%	Bromofluorobenzen	97 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76542.D Vial: 10
Acq On : 15 Oct 2010 3:43 pm Operator: MT
Sample : MB10150C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

100

OM 10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.16	168	200271	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.65	114	403505	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.18	117	349041	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.89	152	143402	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	8.04	65	137526	18.08 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 90.40%		
36) d4-1,2-Dichloroethane	8.04	65	138847	18.24 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.20%		
54) d8-Toluene	10.91	98	437242	19.65 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 98.25%		
73) Bromofluorobenzene	15.05	95	159351	19.40 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 97.00%		

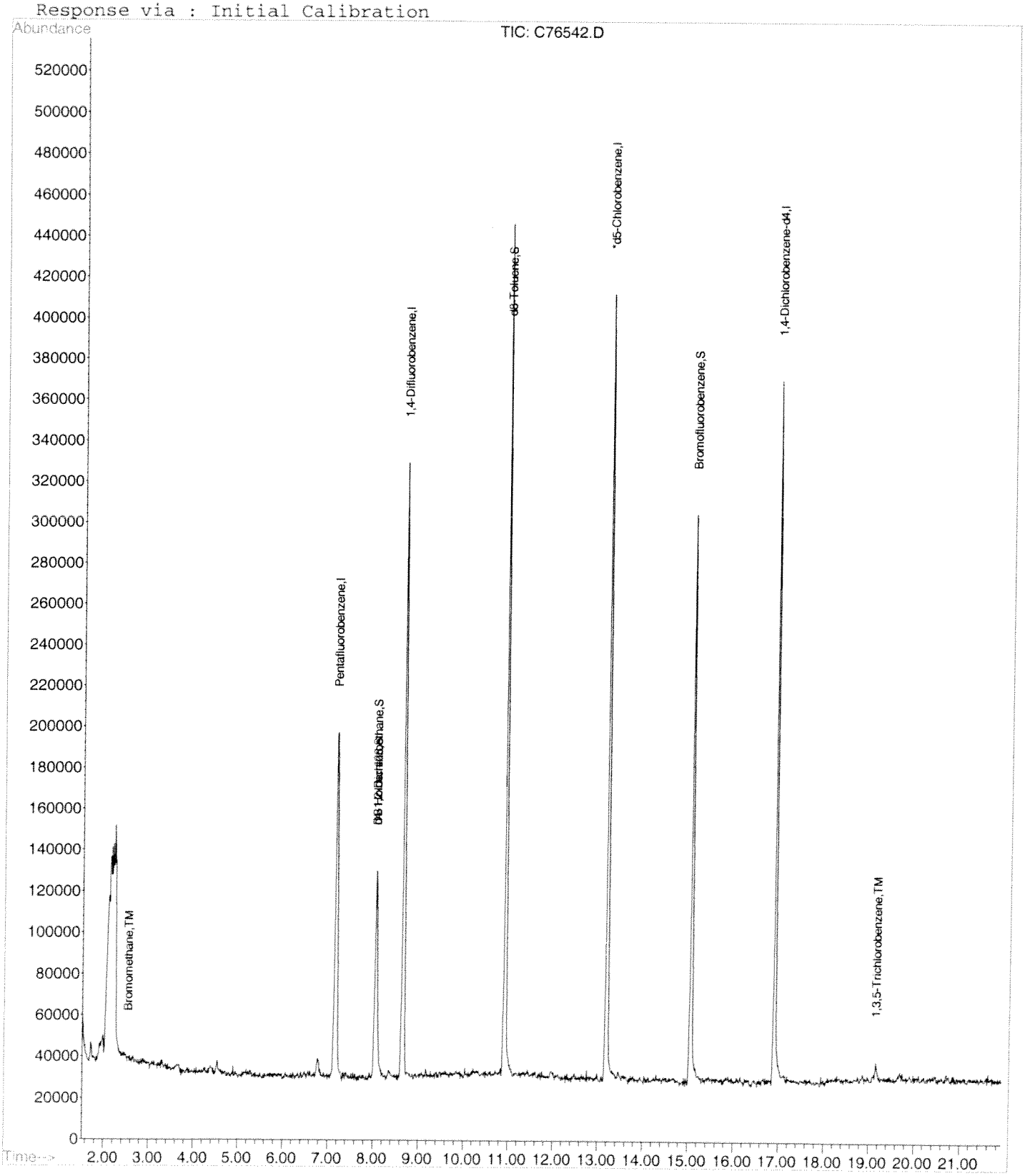
Target Compounds						Qvalue
~~3)~~ Chloromethane	1.98	50	855	~~Below Cal~~		82
~~5)~~ Bromomethane	2.54	94	1816	~~1.13 ug/L~~	#	32
~~12)~~ Acetone	3.68	43	2927	~~Below Cal~~		99
~~16)~~ Methylene Chloride	4.55	84	4578	~~Below Cal~~	#	78
~~21)~~ 1,1-Dichloroethane	5.76	63	961	~~Below Cal~~		73
~~30)~~ Bromochloromethane	7.23	128	78	~~Below Cal~~	#	1
~~31)~~ Tetrahydrofuran	7.30	71	231	~~Below Cal~~	#	44
~~40)~~ Trichloroethene	9.08	95	492	~~Below Cal~~	#	50
~~46)~~ Dibromomethane	9.79	93	400	~~Below Cal~~	#	6
~~92)~~ 1,2-Dibromo-3-chloropropan	18.79	75	148	~~Below Cal~~	#	20
98) 1,3,5-Trichlorobenzene	19.16	180	4705	NT 0.56 ug/L		81

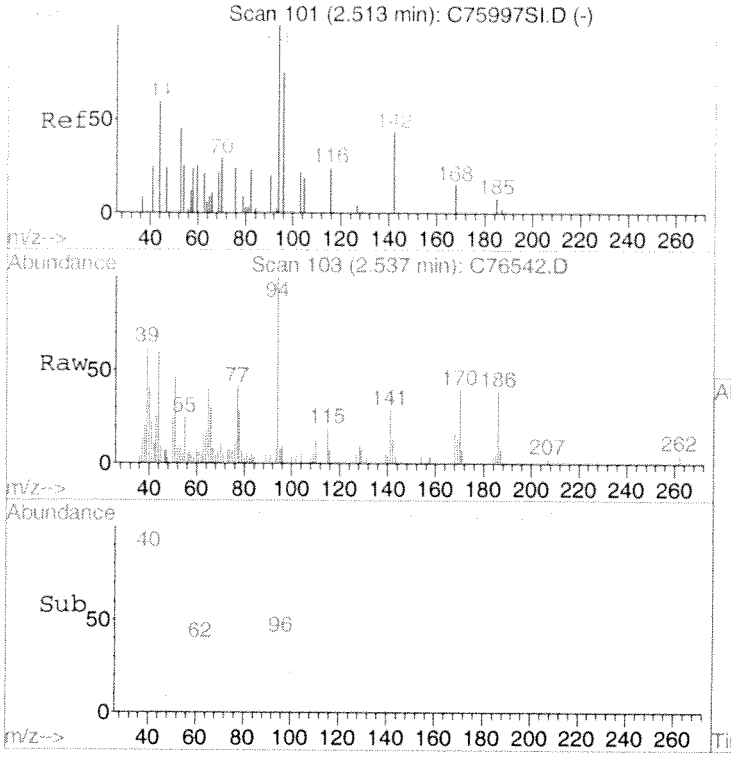
10/22/10

(#) = qualifier out of range (m) = manual integration
C76542.D V808100C.M Sat Oct 16 13:01:17 2010

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76542.D Vial: 10
Acq On : 15 Oct 2010 3:43 pm Operator: MT
Sample : MB10150C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration

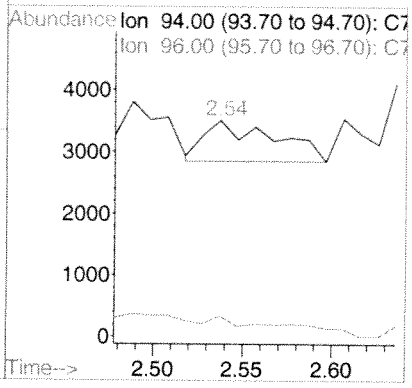


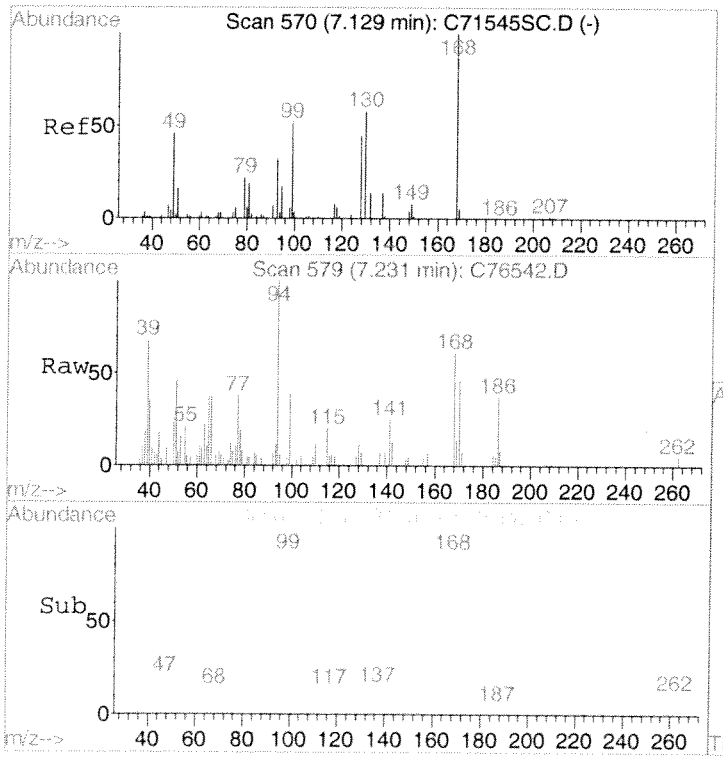


#5
Bromomethane
Concen: 1.13 ug/L
RT: 2.54 min Scan# 103
Delta R.T. 0.00 min
Lab File: C76542.D
Acq: 15 Oct 2010 3:43 pm

Tgt Ion: 94 Resp: 1816

Ion	Ratio	Lower	Upper
94	100		
96	28.9	75.4	115.4#

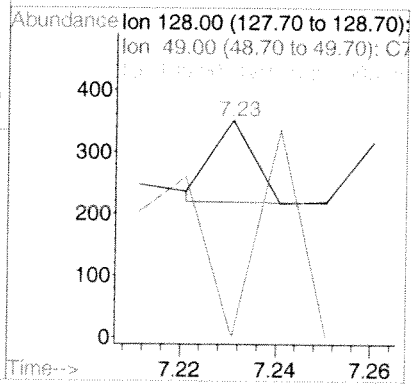


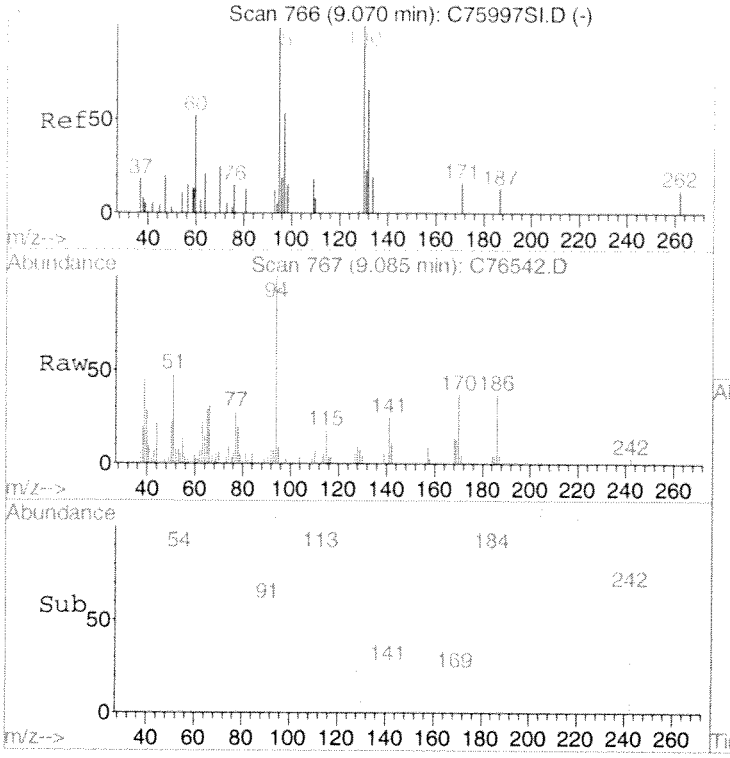


#30
Bromochloromethane
Concen: Below Cal
RT: 7.23 min Scan# 579
Delta R.T. 0.03 min
Lab File: C76542.D
Acq: 15 Oct 2010 3:43 pm

Tgt Ion:128 Resp: 78

Ion	Ratio	Lower	Upper
128	100		
49	0.0	175.1	215.1#
130	0.0	104.4	144.4#

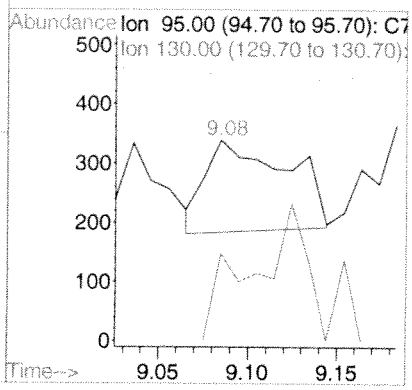




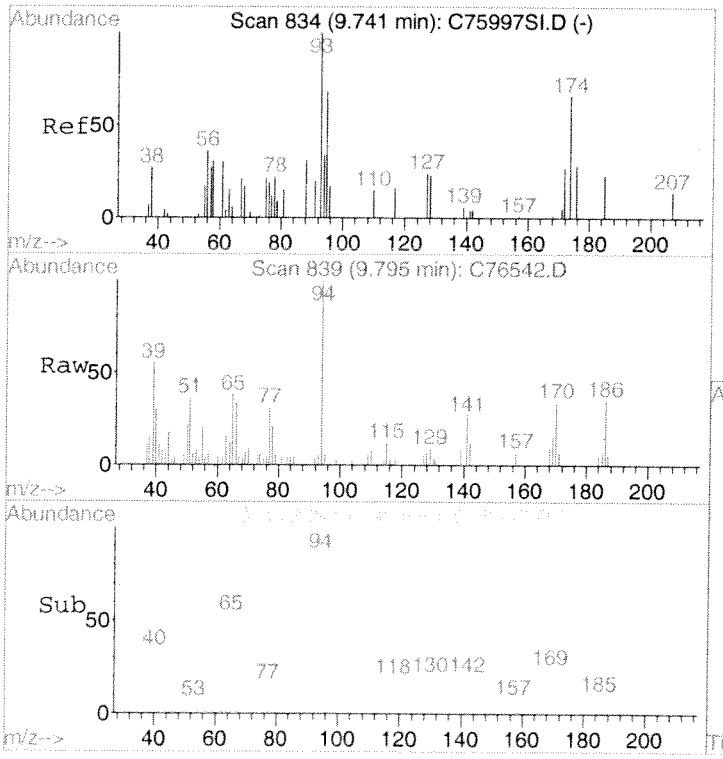
#40
Trichloroethene
Concen: Below Cal
RT: 9.08 min Scan# 767
Delta R.T. -0.04 min
Lab File: C76542.D
Acq: 15 Oct 2010 3:43 pm

Tgt Ion: 95 Resp: 492

Ion	Ratio	Lower	Upper
95	100		
130	104.3	78.9	118.9
132	0.0	74.5	114.5#



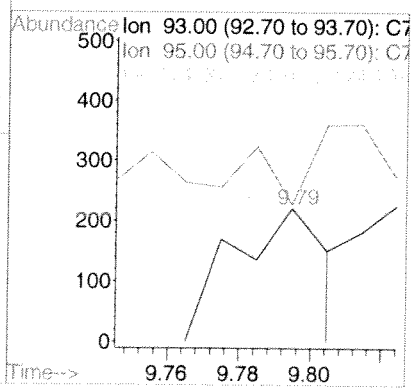
X



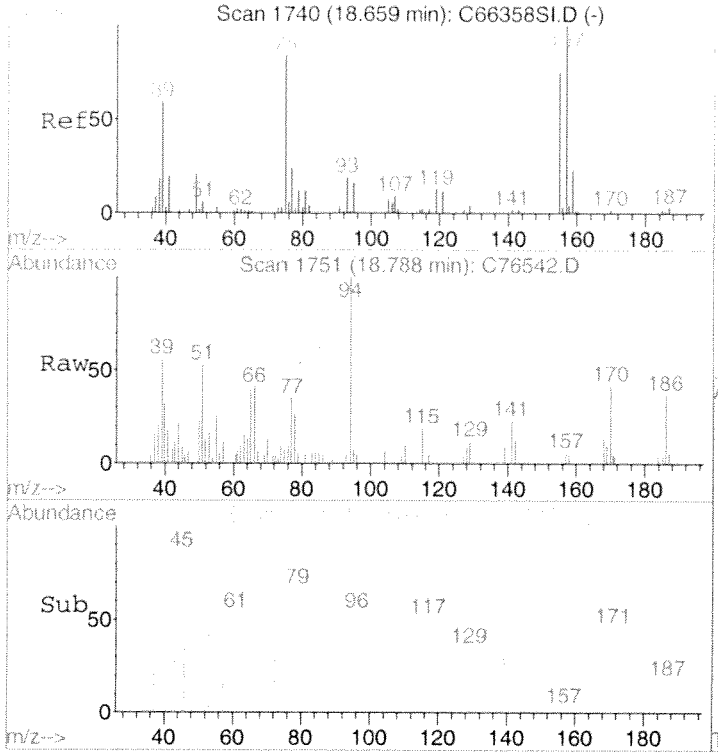
#46
Dibromomethane
Concen: Below Cal
RT: 9.79 min Scan# 839
Delta R.T. -0.01 min
Lab File: C76542.D
Acq: 15 Oct 2010 3:43 pm

Tgt Ion: 93 Resp: 400

Ion	Ratio	Lower	Upper
93	100		
95	0.0	63.4	103.4#
174	0.0	68.6	108.6#



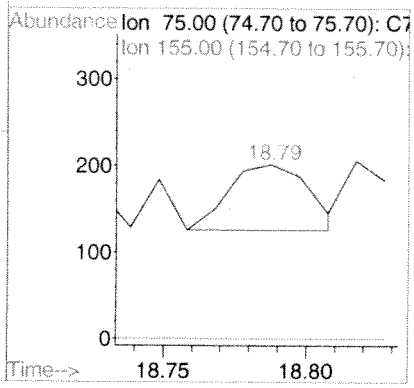
X



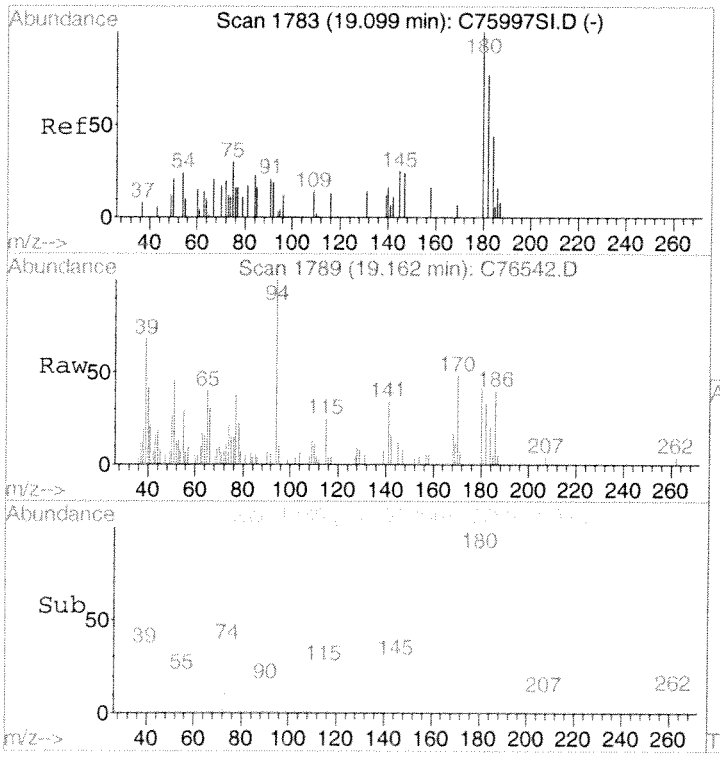
#92
1,2-Dibromo-3-chloropropane
Concen: Below Cal
RT: 18.79 min Scan# 1751
Delta R.T. 0.03 min
Lab File: C76542.D
Acq: 15 Oct 2010 3:43 pm

Tgt Ion: 75 Resp: 148

Ion	Ratio	Lower	Upper
75	100		
155	0.0	66.6	106.6#
157	31.6	80.5	120.5#



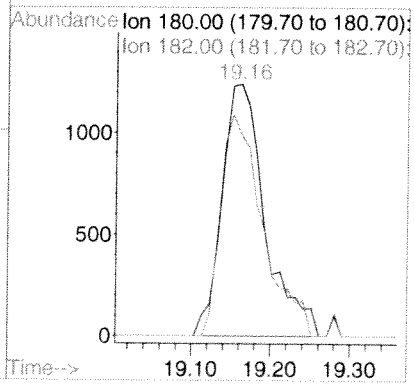
X



#98
1,3,5-Trichlorobenzene
Concen: 0.56 ug/L
RT: 19.16 min Scan# 1789
Delta R.T. 0.01 min
Lab File: C76542.D
Acq: 15 Oct 2010 3:43 pm

Tgt Ion:180 Resp: 4705

Ion	Ratio	Lower	Upper
180	100		
182	79.6	78.7	118.7



NT

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: B810180B
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Dichlorodifluoromethane	1	U	1,1,2-Trichloroethane	1	U
Chloromethane	1	U	1,3-Dichloropropane	1	U
Vinyl Chloride	1	U	Tetrachloroethene	1	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	1	U	Dibromochloromethane	1	U
Trichlorofluoromethane	1	U	1,2-Dibromoethane	1	U
1,1-Dichloroethene	1	U	Chlorobenzene	1	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	1	U
Methyl iodide	1	U	Ethylbenzene	1	U
Carbon Disulfide	1	U	o-Xylene	1	U
Methylene Chloride	5	U	m,p-Xylene	1	U
trans-1,2-Dichloroethene	1	U	Styrene	1	U
Methyl-tert-butyl ether (MTBE)	1	U	Bromoform	1	U
1,1-Dichloroethane	1	U	Isopropylbenzene	1	U
Vinyl acetate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl ethyl ketone	10	U	Bromobenzene	1	U
cis-1,2-Dichloroethene	1	U	1,2,3-Trichloropropane	1	U
2,2-Dichloropropane	1	U	n-Propylbenzene	1	U
Bromochloromethane	1	U	2-Chlorotoluene	1	U
Chloroform	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	tert-butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	sec-butylbenzene	1	U
Benzene	1	U	p-isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
cis-1,3-Dichloropropene	1	U	1,2-Dibromo-3-chloropropane	1	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	1	U
Toluene	1	U	Hexachlorobutadiene	1	U
trans-1,3-Dichloropropene	1	U	Naphthalene	1	U
			1,2,3-Trichlorobenzene	1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	100	%	d8-Toluene	101	%	Bromofluorobenzen	100	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101810-B\B74550.D
Acq On : 18 Oct 2010 5:45 pm
Sample : B810180B
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Oct 19 7:36 2010

Vial: 19
Operator: TD
Inst : Instrumen
Multiplr: 1.00

Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration
DataAcq Meth : V810180B

DC = 1
DF = 1

10/19/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.78	168	142100	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.78	114	355457	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.83	117	303643	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.20	152	105383	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	8.15	65	118786	19.96 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 99.80%		
36) d4-1,2-Dichloroethane	8.15	65	118786	19.96 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 99.80%		
54) d8-Toluene	10.81	98	421363	20.16 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 100.80%		
73) Bromofluorobenzene	14.51	95	167016	20.00 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 100.00%		

Target Compounds					Qvalue
~~5)~~ Bromomethane	2.82	94	1077	~~Below Cal~~	80
~~16)~~ Methylene Chloride	5.02	84	1662	~~Below Cal~~ #	81
~~33)~~ Ethanol	3.68	45	62	~~Below Cal~~ #	1
~~44)~~ Cyclohexane	7.77	56	4372	~~Below Cal~~ #	13
~~95)~~ Hexachlorobutadiene	19.42	225	689	NOS 0.69 ug/L	94

ND

3102210

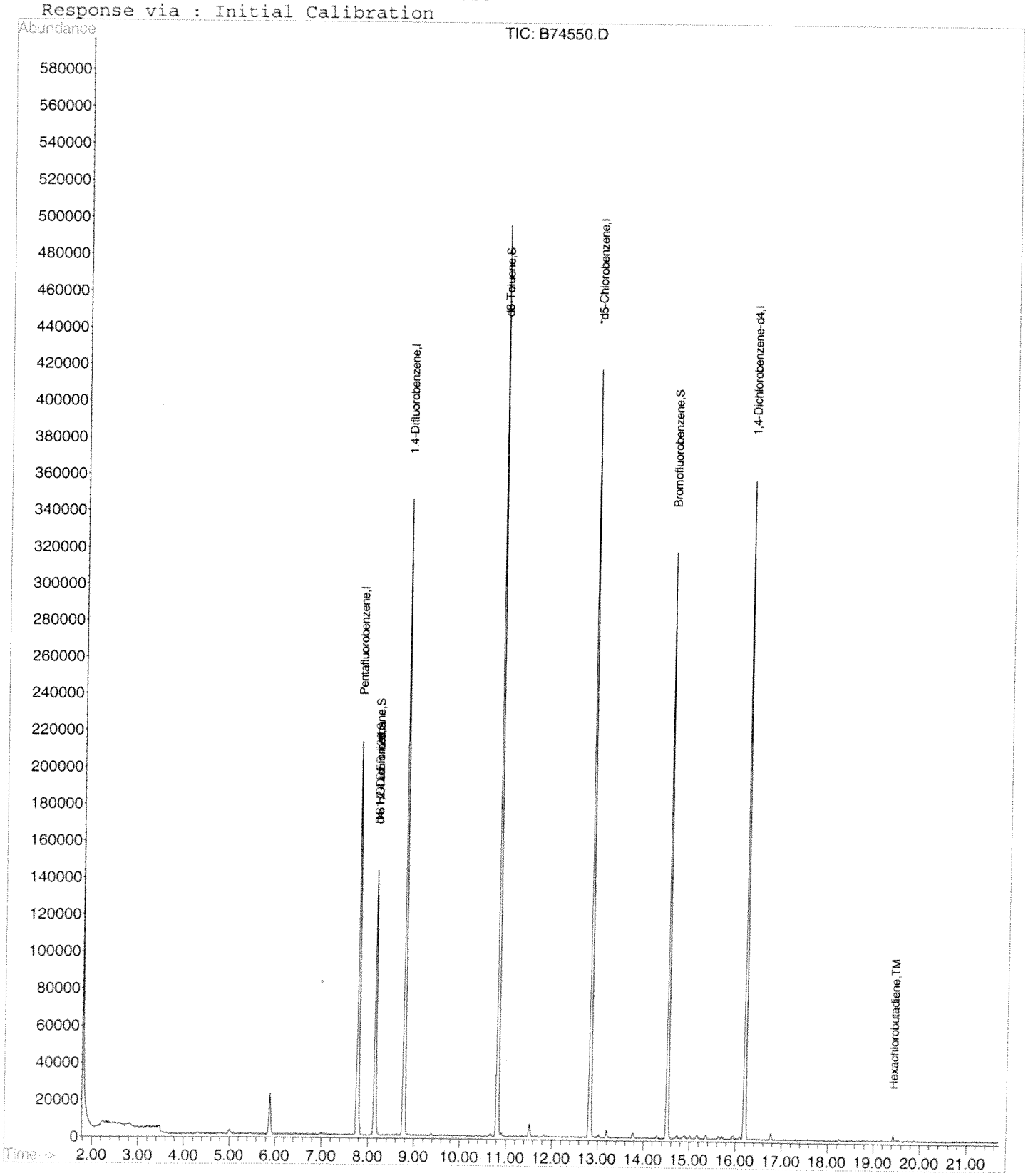
(#) = qualifier out of range (m) = manual integration
B74550.D V810180B.M Tue Oct 19 07:44:19 2010

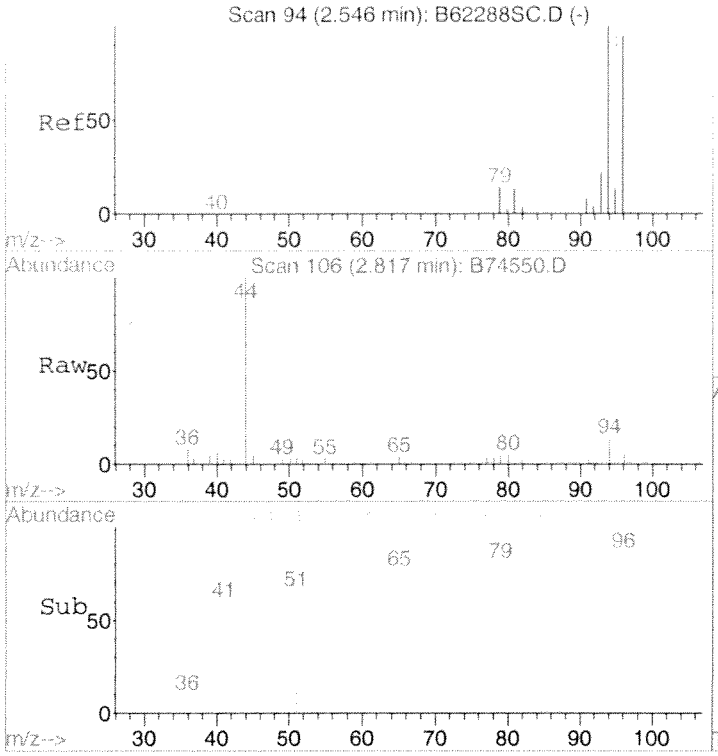
Data File : C:\HPCHEM\1\DATA\101810-B\B74550.D
Acq On : 18 Oct 2010 5:45 pm
Sample : B810180B
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Oct 19 7:36 2010

Vial: 19
Operator: TD
Inst : Instrumen
Multiplr: 1.00

Quant Results File: V810180B.RES

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration

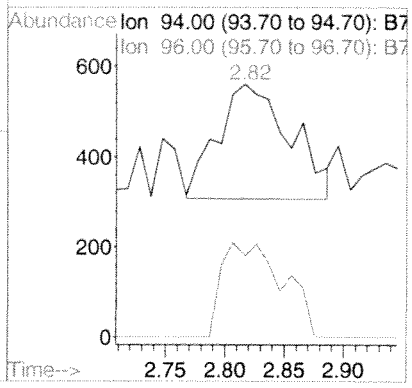




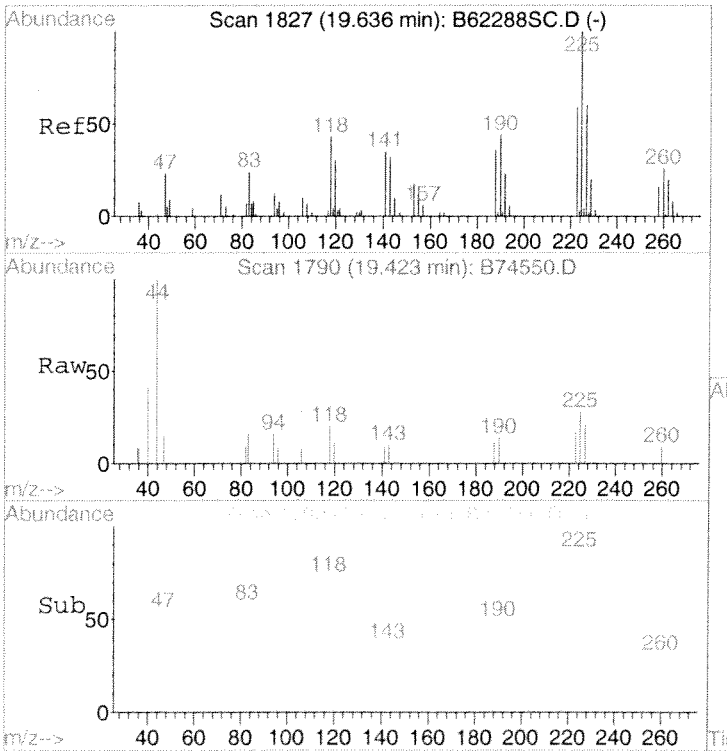
#5
Bromomethane
Concen: Below Cal
RT: 2.82 min Scan# 106
Delta R.T. 0.03 min
Lab File: B74550.D
Acq: 18 Oct 2010 5:45 pm

Tgt Ion: 94 Resp: 1077

Ion	Ratio	Lower	Upper
94	100		
96	73.9	72.7	112.7



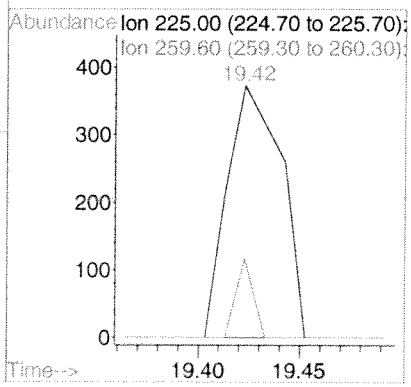
X



#95
Hexachlorobutadiene
Concen: 0.69 ug/L
RT: 19.42 min Scan# 1790
Delta R.T. -0.01 min
Lab File: B74550.D
Acq: 18 Oct 2010 5:45 pm

Tgt Ion:225 Resp: 689

Ion	Ratio	Lower	Upper
225	100		
260	31.4	8.4	48.4



X

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 68000-1
Matrix: Solid
Percent Solid: 87
Dilution Factor: 152
Collection Date: 10/07/10
Lab Receipt Date: 10/08/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GTM-03

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	152	U	1,1,2-Trichloroethane	114	U
Chloromethane	152	U	1,3-Dichloropropane	152	U
Vinyl Chloride	152	U	Tetrachloroethene	152	U
Bromomethane	152	U	2-Hexanone	1520	U
Chloroethane	152	U	Dibromochloromethane	114	U
Trichlorofluoromethane	152	U	1,2-Dibromoethane	114	U
1,1-Dichloroethene	114	U	Chlorobenzene	152	U
Acetone	1520	U	1,1,1,2-Tetrachloroethane	152	U
Methyl iodide	152	U	Ethylbenzene	152	U
Carbon Disulfide	152	U	o-Xylene	152	U
Methylene Chloride	761	U	m,p-Xylene	152	U
trans-1,2-Dichloroethene	152	U	Styrene	152	U
Methyl-tert-butyl ether (MTBE)	114	U	Bromoform	114	U
1,1-Dichloroethane	152	U	Isopropylbenzene	152	U
Vinyl acetate	1140	U	1,1,2,2-Tetrachloroethane	114	U
Methyl ethyl ketone	1520	U	Bromobenzene	152	U
cis-1,2-Dichloroethene	152	U	1,2,3-Trichloropropane	152	U
2,2-Dichloropropane	152	U	n-Propylbenzene	152	U
Bromochloromethane	152	U	2-Chlorotoluene	152	U
Chloroform	114	U	1,3,5-Trimethylbenzene	152	U
1,1,1-Trichloroethane	152	**109 J**	4-Chlorotoluene	152	U
1,1-Dichloropropene	152	U	tert-butylbenzene	152	U
Carbon Tetrachloride	152	U	1,2,4-Trimethylbenzene	152	U
1,2-Dichloroethane	114	U	sec-butylbenzene	152	U
Benzene	152	U	p-isopropyltoluene	152	U
Trichloroethene	152	U	1,3-Dichlorobenzene	152	U
1,2-Dichloropropane	114	U	1,4-Dichlorobenzene	152	U
Dibromomethane	152	U	n-butylbenzene	152	U
Bromodichloromethane	114	U	1,2-Dichlorobenzene	152	U
cis-1,3-Dichloropropene	152	U	1,2-Dibromo-3-chloropropane	152	U
Methyl isobutyl ketone	1520	U	1,2,4-Trichlorobenzene	152	U
Toluene	152	U	Hexachlorobutadiene	152	U
trans-1,3-Dichloropropene	152	U	Naphthalene	152	**90 J**
			1,2,3-Trichlorobenzene	152	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	96 %	d8-Toluene	104 %	Bromofluorobenzen	104 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76549.D Vial: 1
Acq On : 15 Oct 2010 7:21 pm Operator: MT
Sample : 68000-1 Inst : Instr_C
Misc : 50,7.59,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

5000 x10 / 50 x 7.59 x .8652 = 152.3

10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.16	168	205767	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.65	114	420128	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.17	117	354539	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.89	152	145172	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	8.04	65	149428	19.12 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.60%		
36) d4-1,2-Dichloroethane	8.04	65	149754	19.14 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 95.70%		
54) d8-Toluene	10.91	98	479532	20.70 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.50%		
73) Bromofluorobenzene	15.05	95	172979	20.73 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.65%		

Target Compounds						Qvalue
~~3)~~ Chloromethane	1.96	50	287	~~Below Cal~~	#	52
~~5)~~ Bromomethane	2.57	94	1212	~~1.03 ug/L~~	#	6
NT 10) 1,1,2-Trichlorotrifluoroet	3.55	101	38810	5.81 ug/L	#	91
~~12)~~ Acetone	3.56	43	505	~~Below Cal~~	#	84
~~16)~~ Methylene Chloride	4.55	84	25123	NOS ~~2.90~~ ug/L		97
~~21)~~ 1,1-Dichloroethane	5.75	63	701	~~Below Cal~~	#	42
~~30)~~ Bromochloromethane	7.17	128	593	~~Below Cal~~	#	50
~~31)~~ Tetrahydrofuran	7.32	71	365	~~Below Cal~~	#	1
32) 1,1,1-Trichloroethane	7.57	97	6973	J 0.72 ug/L		93
~~40)~~ Trichloroethene	9.13	95	393	~~Below Cal~~	#	33
~~46)~~ Dibromomethane	9.80	93	280	~~Below Cal~~	#	6
~~92)~~ 1,2-Dibromo-3-chloropropan	18.74	75	609	~~Below Cal~~	#	49
96) Naphthalene	20.54	128	11451	J 0.59 ug/L		90
~~97)~~ 1,2,3-Trichlorobenzene	21.01	180	5832	~~0.82 ug/L~~	#	1

See manual Int.

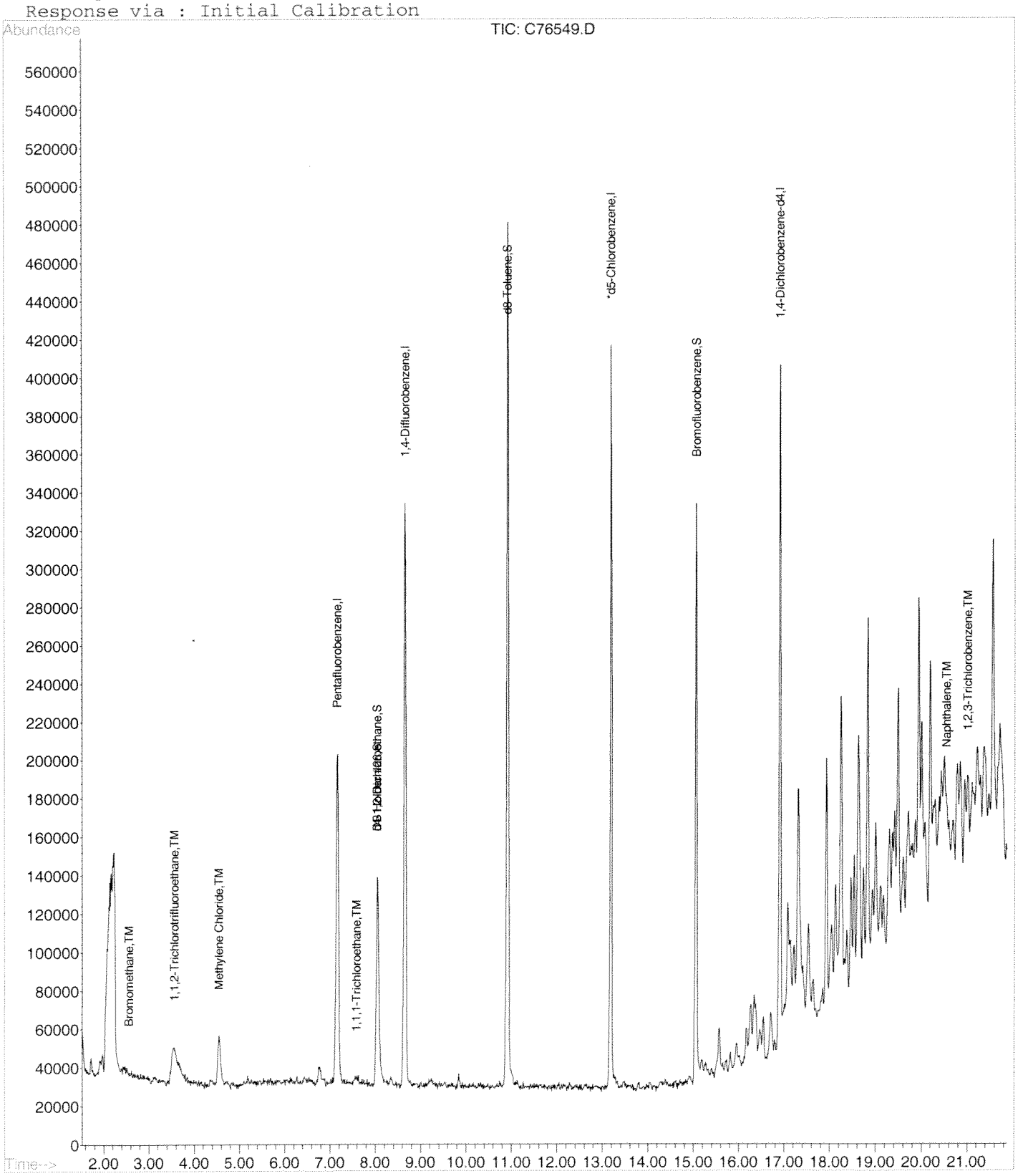
VMT 10/18/10

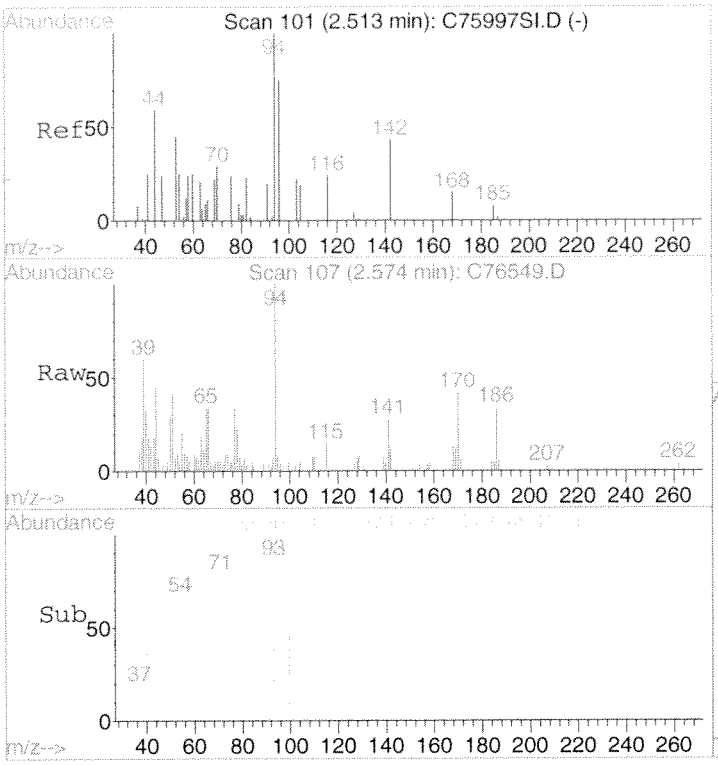
(#) = qualifier out of range (m) = manual integration
C76549.D V808100C.M Sat Oct 16 13:01:48 2010

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76549.D Vial: 1
Acq On : 15 Oct 2010 7:21 pm Operator: MT
Sample : 68000-1 Inst : Instr_C
Misc : 50,7.59,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration

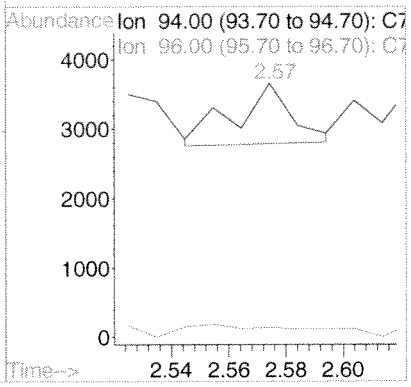




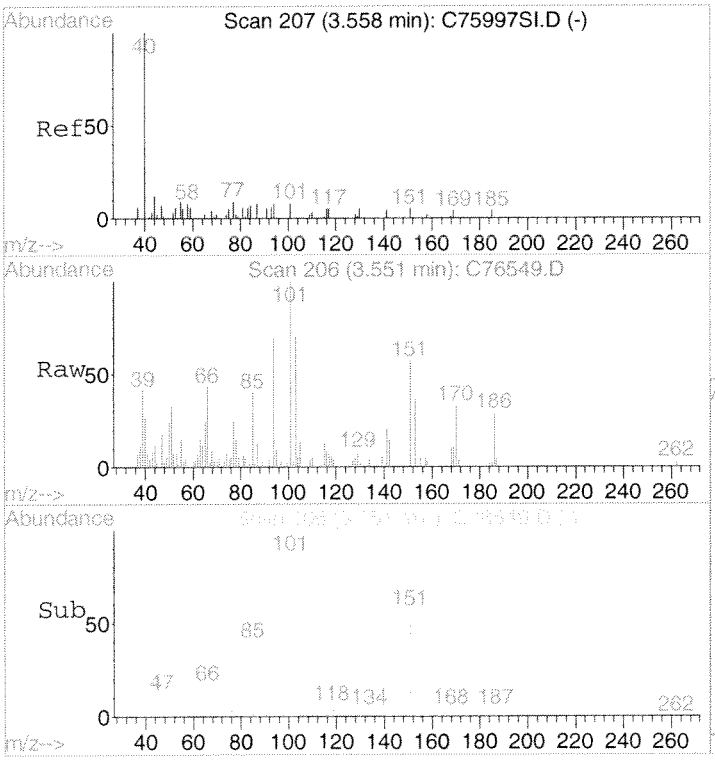
#5
Bromomethane
Concen: 1.03 ug/L
RT: 2.57 min Scan# 107
Delta R.T. 0.04 min
Lab File: C76549.D
Acq: 15 Oct 2010 7:21 pm

Tgt Ion: 94 Resp: 1212

Ion	Ratio	Lower	Upper
94	100		
96	3.6	75.4	115.4#



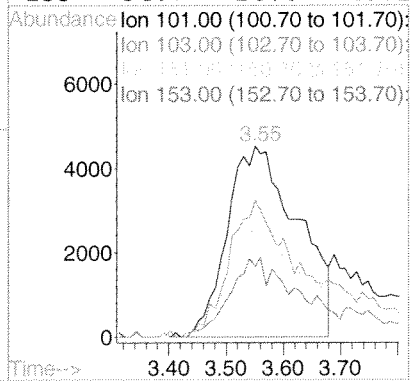
X



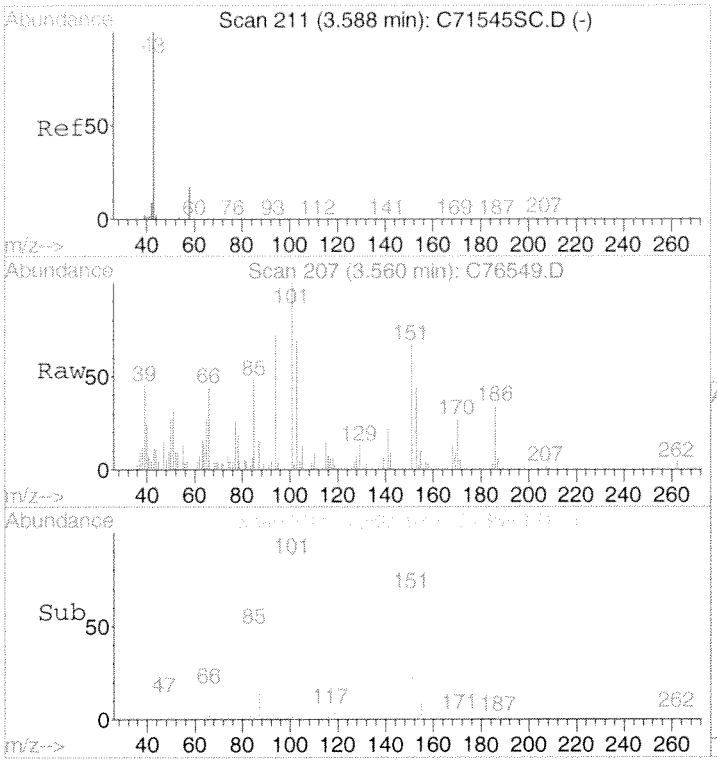
#10
1,1,2-Trichlorotrifluoroethane
Concen: 5.81 ug/L
RT: 3.55 min Scan# 206
Delta R.T. -0.05 min
Lab File: C76549.D
Acq: 15 Oct 2010 7:21 pm

Tgt Ion:101 Resp: 38810

Ion	Ratio	Lower	Upper
101	100		
103	64.0	53.7	80.5
151	73.7	46.7	70.1#
153	34.7	28.8	43.2



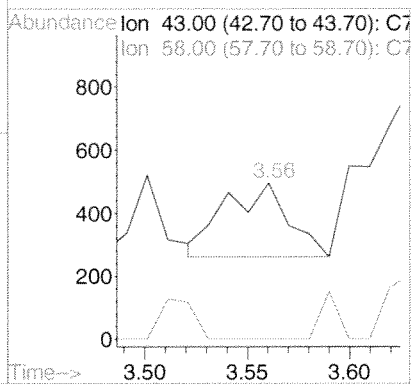
✓ see man. Int.



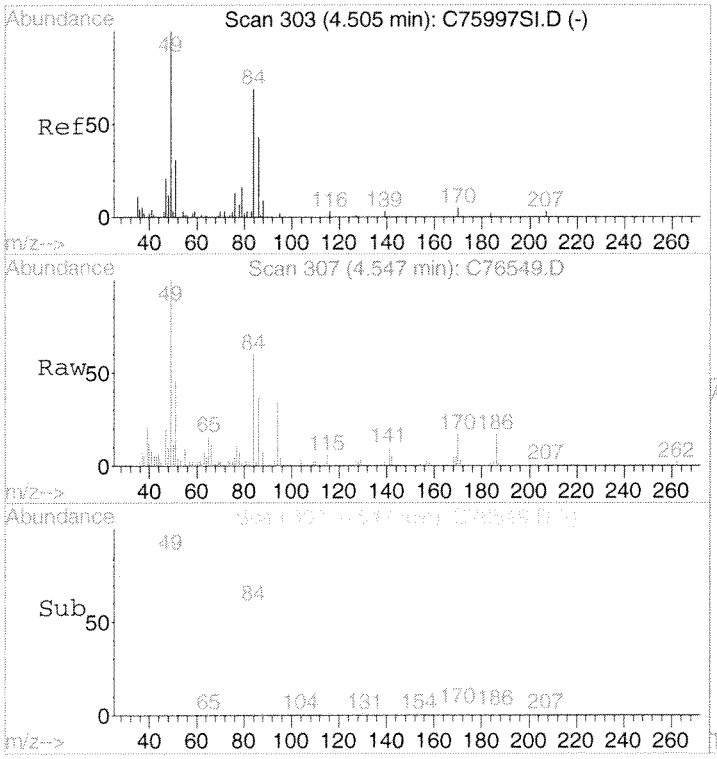
#12
Acetone
Concen: Below Cal
RT: 3.56 min Scan# 207
Delta R.T. -0.07 min
Lab File: C76549.D
Acq: 15 Oct 2010 7:21 pm

Tgt Ion: 43 Resp: 505

Ion	Ratio	Lower	Upper
43	100		
58	17.8	20.9	31.3#



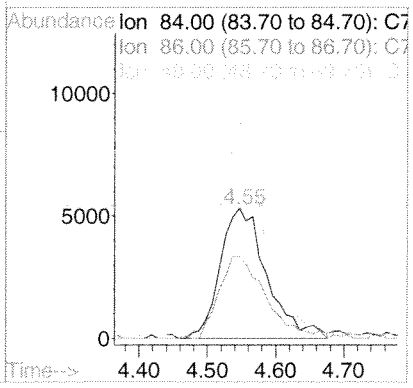
X



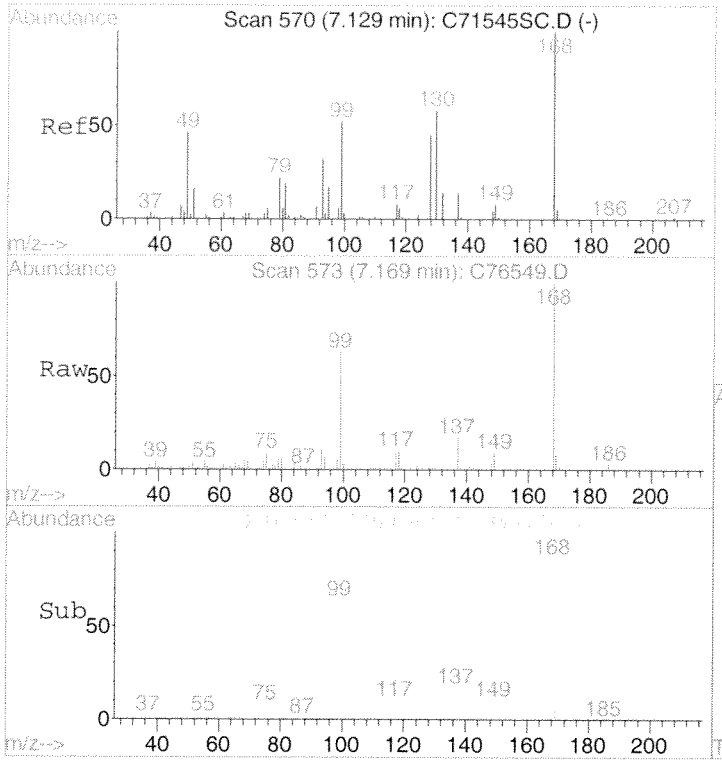
#16
Methylene Chloride
Concen: 2.90 ug/L
RT: 4.55 min Scan# 307
Delta R.T. -0.02 min
Lab File: C76549.D
Acq: 15 Oct 2010 7:21 pm

Tgt Ion: 84 Resp: 25123

Ion	Ratio	Lower	Upper
84	100		
86	62.8	42.9	82.9
49	164.6	138.3	178.3



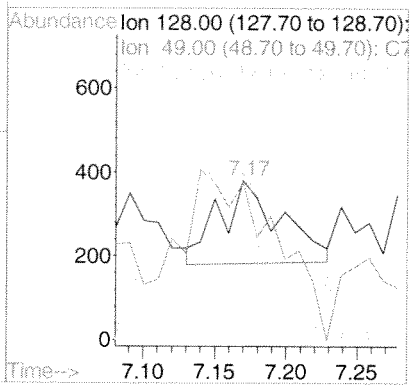
NOT X



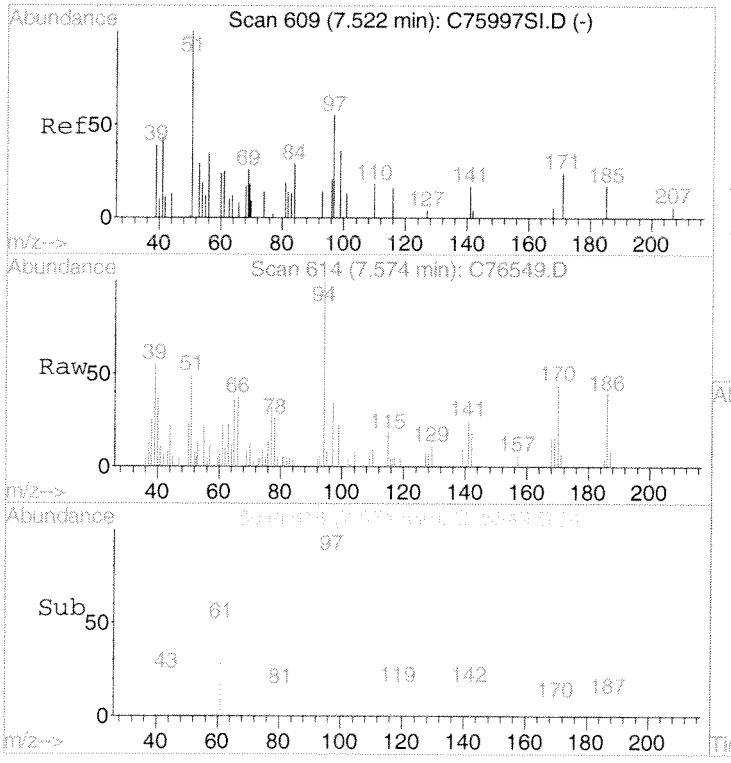
#30
Bromochloromethane
Concen: Below Cal
RT: 7.17 min Scan# 573
Delta R.T. -0.03 min
Lab File: C76549.D
Acq: 15 Oct 2010 7:21 pm

Tgt Ion:128 Resp: 593

Ion	Ratio	Lower	Upper
128	100		
49	232.1	175.1	215.1#
130	225.3	104.4	144.4#



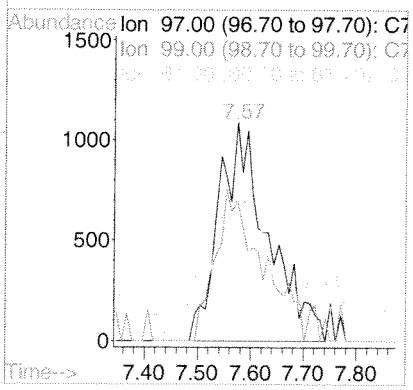
X



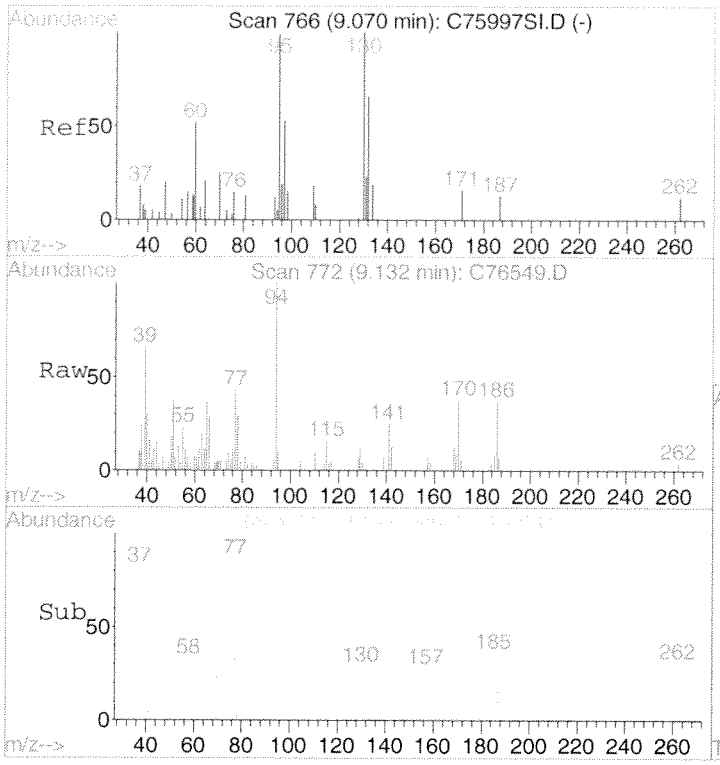
#32
1,1,1-Trichloroethane
Concen: 0.72 ug/L
RT: 7.57 min Scan# 614
Delta R.T. -0.01 min
Lab File: C76549.D
Acq: 15 Oct 2010 7:21 pm

Tgt Ion: 97 Resp: 6973

Ion	Ratio	Lower	Upper
97	100		
99	63.7	48.5	88.5
61	49.1	24.1	64.1



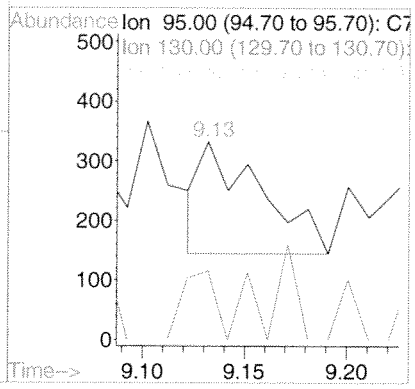
✓
5



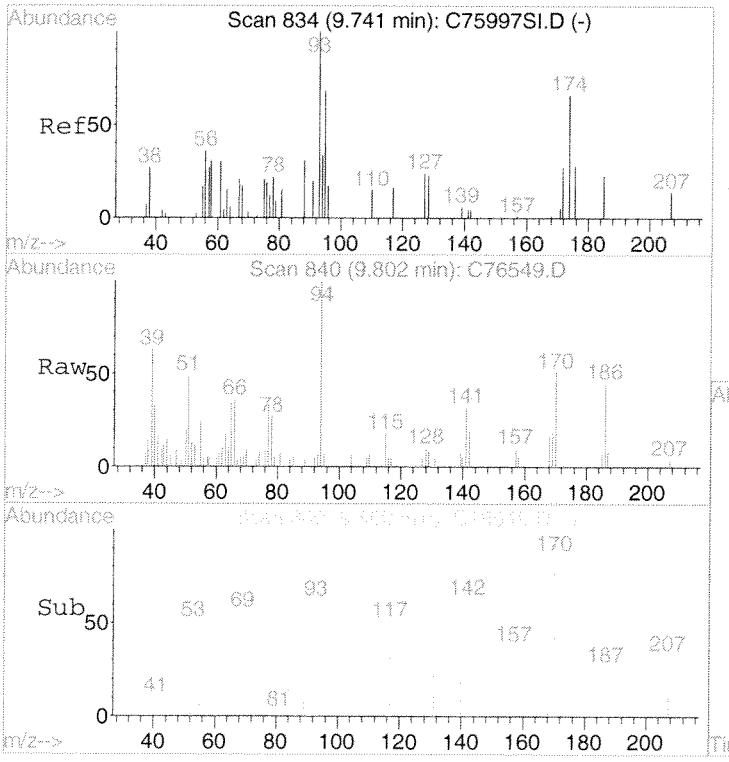
#40
Trichloroethene
Concen: Below Cal
RT: 9.13 min Scan# 772
Delta R.T. 0.00 min
Lab File: C76549.D
Acq: 15 Oct 2010 7:21 pm

Tgt Ion: 95 Resp: 393

Ion	Ratio	Lower	Upper
95	100		
130	61.2	78.9	118.9#
132	0.0	74.5	114.5#



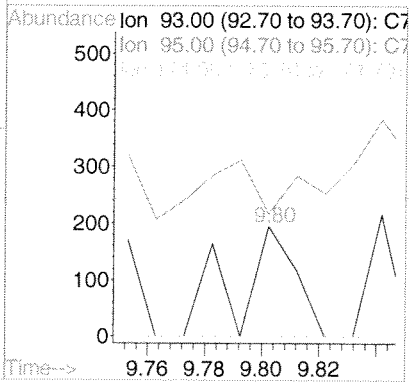
X



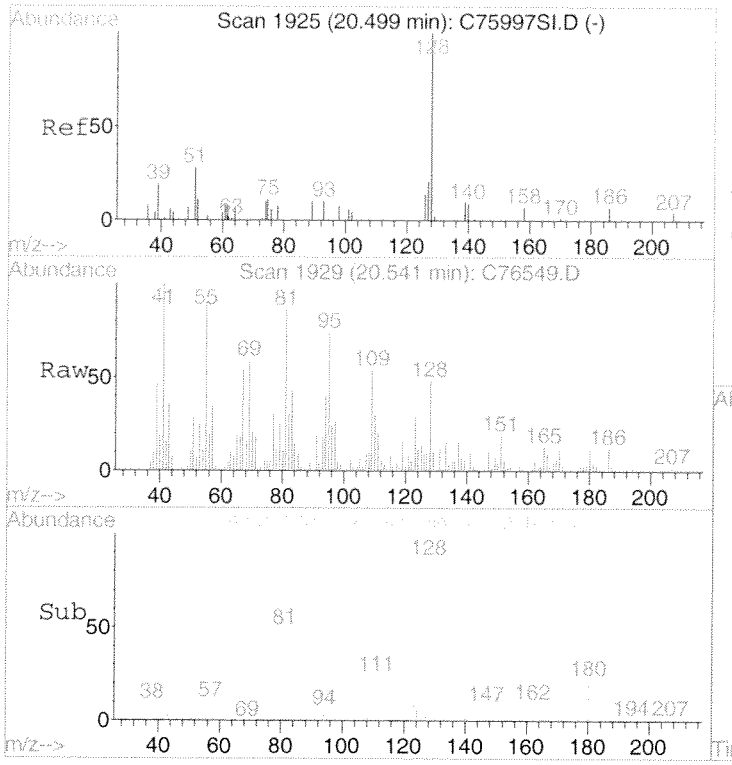
#46
Dibromomethane
Concen: Below Cal
RT: 9.80 min Scan# 840
Delta R.T. 0.00 min
Lab File: C76549.D
Acq: 15 Oct 2010 7:21 pm

Tgt Ion: 93 Resp: 280

Ion	Ratio	Lower	Upper
93	100		
95	0.0	63.4	103.4#
174	0.0	68.6	108.6#



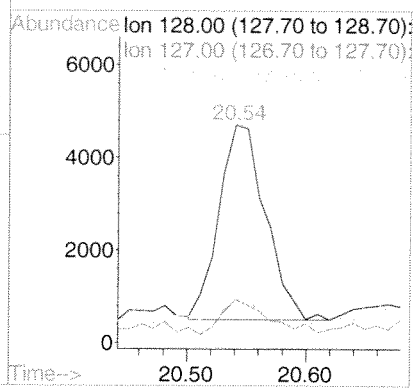
X



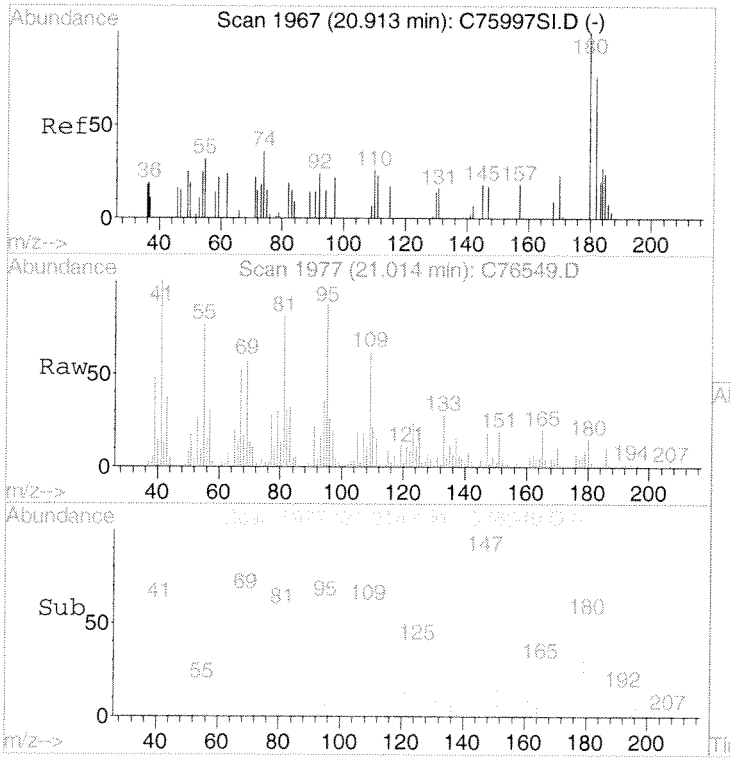
#96
Naphthalene
Concen: 0.59 ug/L
RT: 20.54 min Scan# 1929
Delta R.T. -0.01 min
Lab File: C76549.D
Acq: 15 Oct 2010 7:21 pm

Tgt Ion:128 Resp: 11451

Ion	Ratio	Lower	Upper
128	100		
127	15.3	0.0	32.4
129	15.3	0.0	30.7



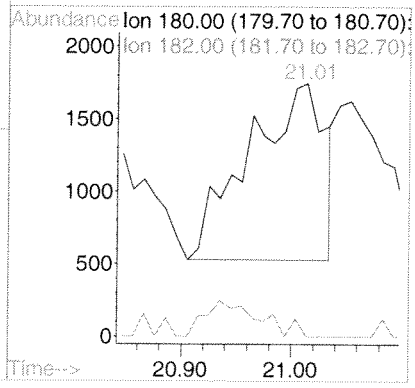
✓
S



#97
1,2,3-Trichlorobenzene
Concen: 0.82 ug/L
RT: 21.01 min Scan# 1977
Delta R.T. 0.06 min
Lab File: C76549.D
Acq: 15 Oct 2010 7:21 pm

Tgt Ion:180 Resp: 5832

Ion	Ratio	Lower	Upper
180	100		
182	0.0	78.6	118.6#

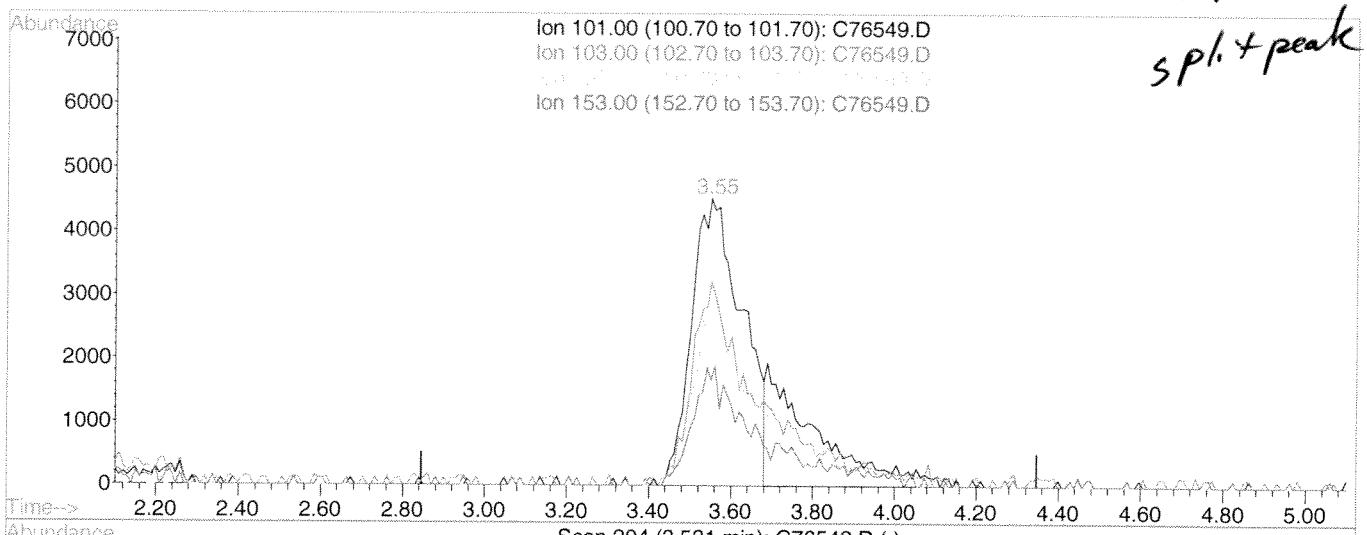


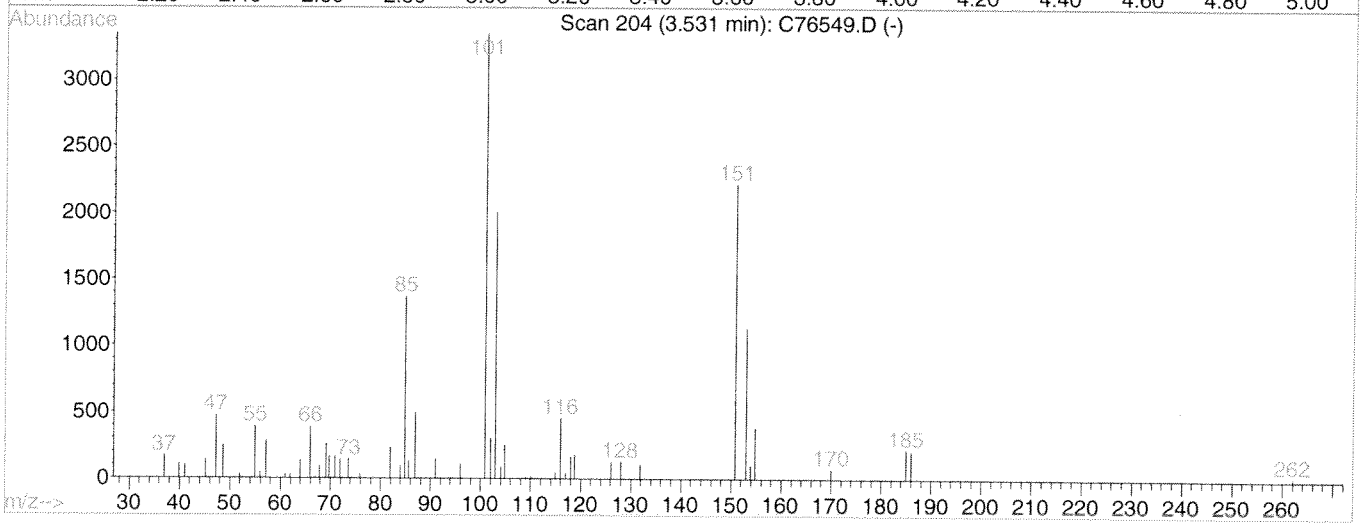
X

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76549.D Vial: 1
Acq On : 15 Oct 2010 7:21 pm Operator: MT
Sample : 68000-1 Inst : Instr_C
Misc : 50,7.59,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 9:42 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Multiple Level Calibration

TD 10/18/10
split peak





TIC: C76549.D

(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.55min 5.81ug/L

response 38810

Ion	Exp%	Act%
101.00	100	100
103.00	67.10	64.00
151.00	58.40	73.65#
153.00	36.00	34.74

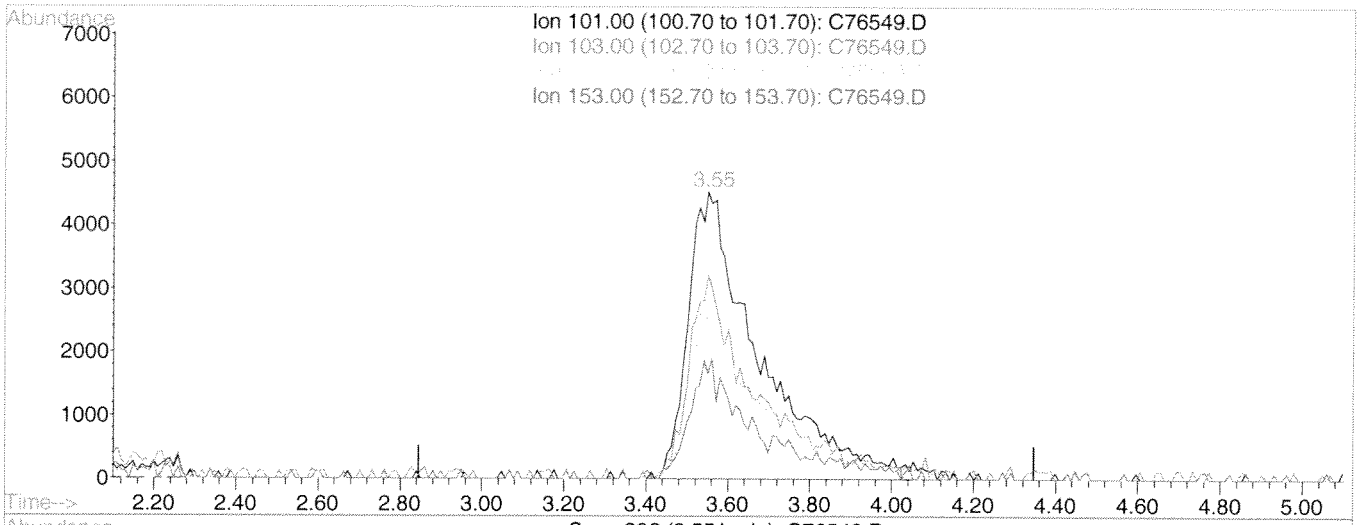
JMC 10/18/10

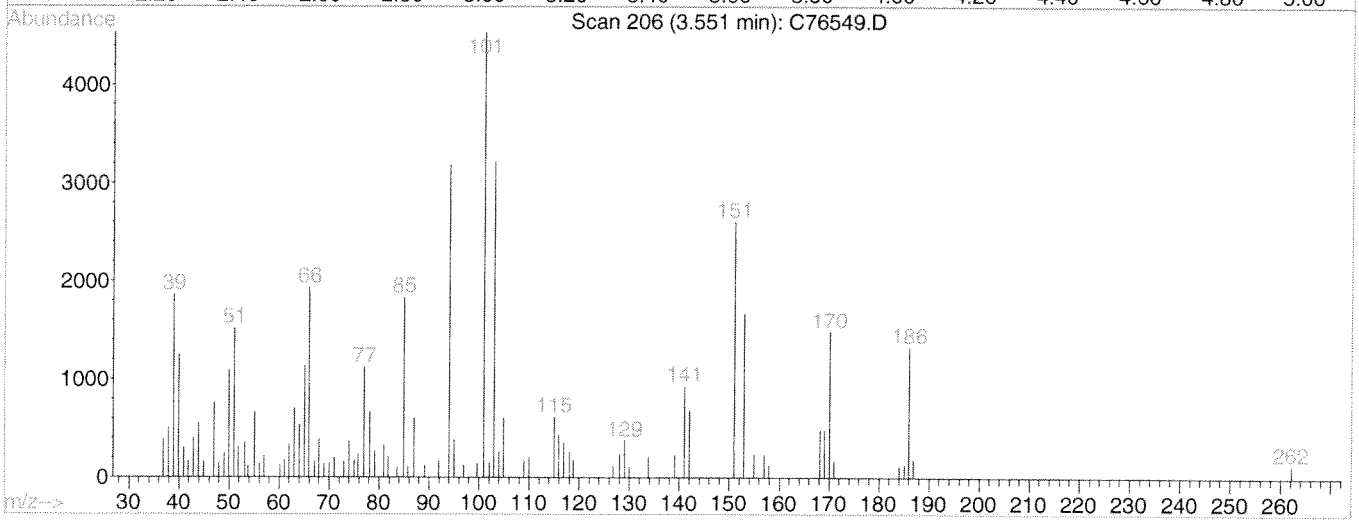
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76549.D Vial: 1
Acq On : 15 Oct 2010 7:21 pm Operator: MT
Sample : 68000-1 Inst : Instr_C
Misc : 50,7.59,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 9:42 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Multiple Level Calibration

TD 10/18/10





TIC: C76549.D

(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.55min 8.09ug/L m

response 54078

Ion	Exp%	Act%
101.00	100	100
103.00	67.10	45.93#
151.00	58.40	52.86
153.00	36.00	24.93#

VMC 10/18/10

C76549.D V808100C.M Mon Oct 18 09:42:47 2010

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 68000-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 10/08/10
Lab Receipt Date: 10/08/10
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GP-01

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Dichlorodifluoromethane	1	U	1,1,2-Trichloroethane	1	U
Chloromethane	1	U	1,3-Dichloropropane	1	U
Vinyl Chloride	1	U	Tetrachloroethene	1	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	1	U	Dibromochloromethane	1	U
Trichlorofluoromethane	1	U	1,2-Dibromoethane	1	U
1,1-Dichloroethene	1	U	Chlorobenzene	1	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	1	U
Methyl iodide	1	U	Ethylbenzene	1	U
Carbon Disulfide	1	U	o-Xylene	1	U
Methylene Chloride	5	U	m,p-Xylene	1	U
trans-1,2-Dichloroethene	1	U	Styrene	1	U
Methyl-tert-butyl ether (MTBE)	1	U	Bromoform	1	U
1,1-Dichloroethane	1	U	Isopropylbenzene	1	U
Vinyl acetate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl ethyl ketone	10	U	Bromobenzene	1	U
cis-1,2-Dichloroethene	1	U	1,2,3-Trichloropropane	1	U
2,2-Dichloropropane	1	U	n-Propylbenzene	1	U
Bromochloromethane	1	U	2-Chlorotoluene	1	U
Chloroform	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	tert-butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	sec-butylbenzene	1	U
Benzene	1	U	p-isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
cis-1,3-Dichloropropene	1	U	1,2-Dibromo-3-chloropropane	1	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	1	U
Toluene	1	U	Hexachlorobutadiene	1	U
trans-1,3-Dichloropropene	1	U	Naphthalene	1	U
			1,2,3-Trichlorobenzene	1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	104	%	d8-Toluene	100	%	Bromofluorobenzen	100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\101810-B\B74555.D
Acq On : 18 Oct 2010 7:57 pm
Sample : 68000-2
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Oct 19 7:36 2010

Vial: 24
Operator: TD
Inst : Instrumen
Multiplr: 1.00

Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration
DataAcq Meth : V810180B

DL=1
DF=1

10/19/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.78	168	127102	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.78	114	326323	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.83	117	273456	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.20	152	95827	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	8.15	65	110714	20.80 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 104.00%		
36) d4-1,2-Dichloroethane	8.15	65	110714	20.80 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 104.00%		
54) d8-Toluene	10.81	98	385293	20.08 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 100.40%		
73) Bromofluorobenzene	14.51	95	150942	20.07 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 100.35%		

Target Compounds					Qvalue
5) Bromomethane	2.78	94	135	Below Cal #	3
16) Methylene Chloride	5.01	84	2570	Below Cal	95
33) Ethanol	3.72	45	305	Below Cal #	38
44) Cyclohexane	7.78	56	3821	Below Cal #	1

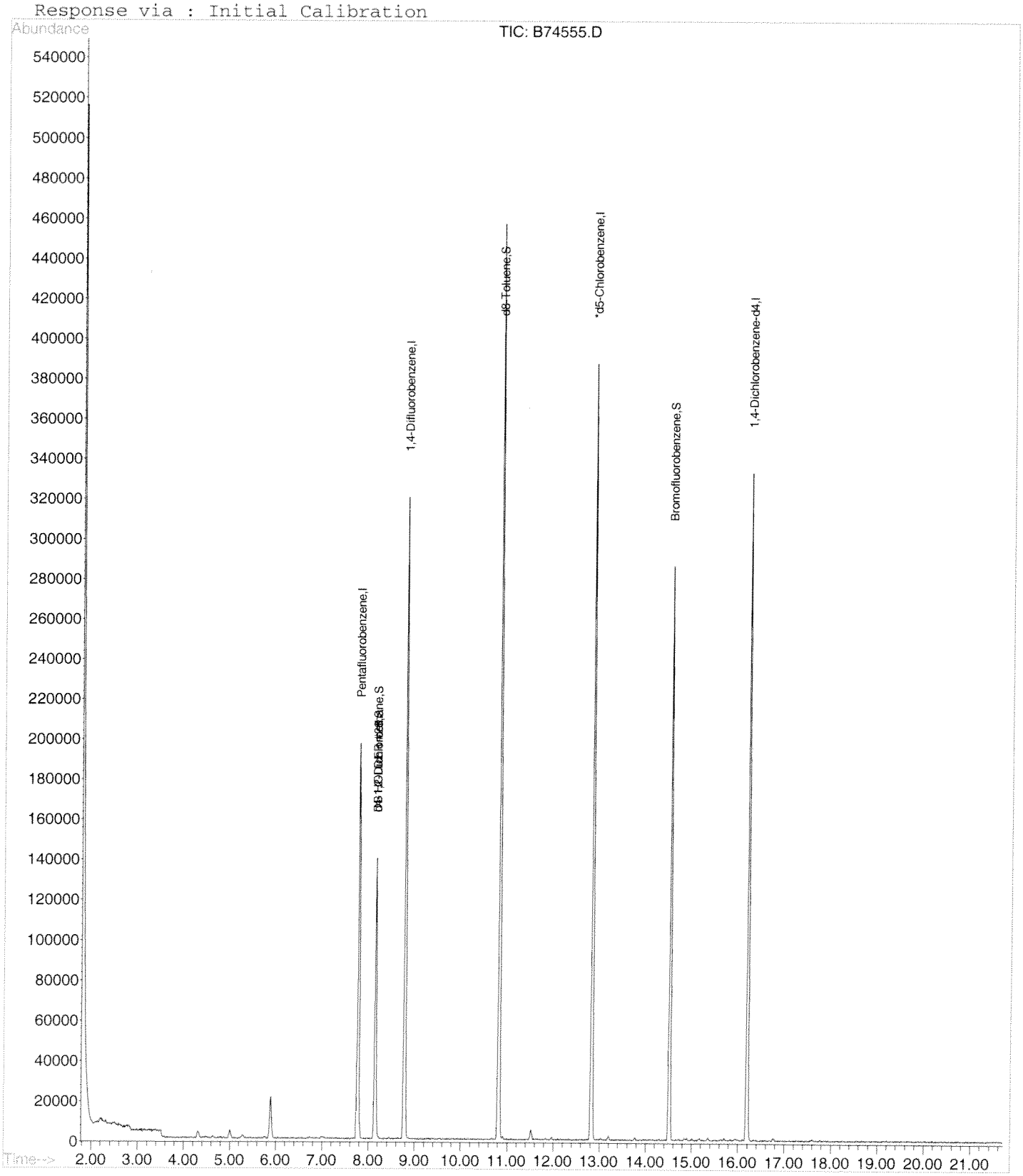
ND

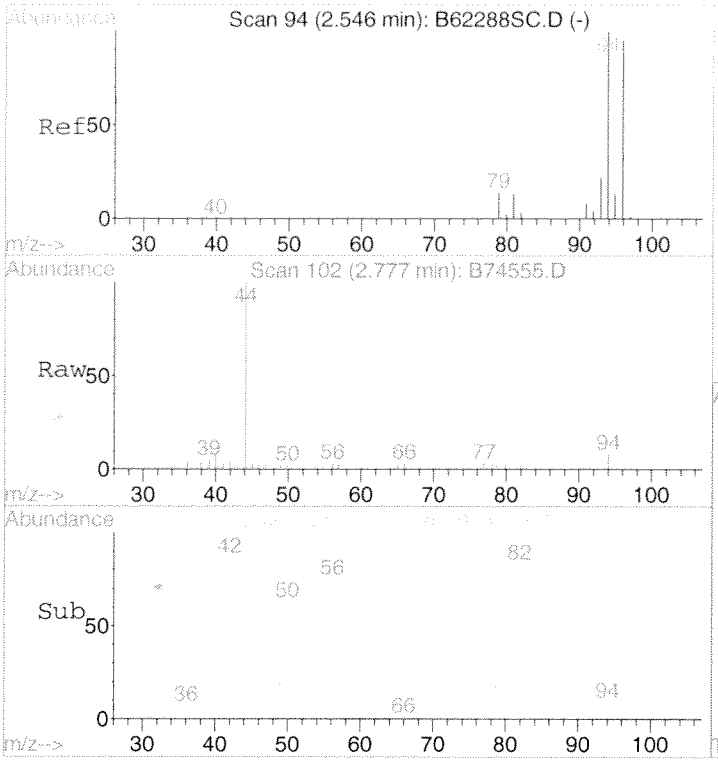
(#) = qualifier out of range (m) = manual integration
B74555.D V810180B.M Tue Oct 19 07:44:39 2010

Quantitation Report

Data File : C:\HPCHEM\1\DATA\101810-B\B74555.D Vial: 24
Acq On : 18 Oct 2010 7:57 pm Operator: TD
Sample : 68000-2 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 19 7:36 2010 Quant Results File: V810180B.RES

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration

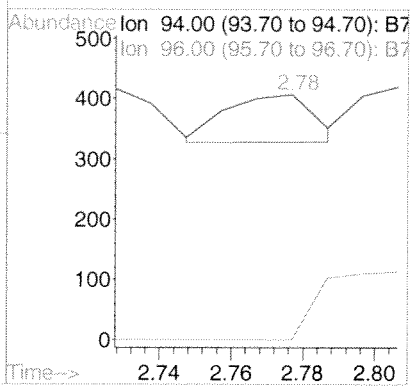




#5
Bromomethane
Concen: Below Cal
RT: 2.78 min Scan# 102
Delta R.T. -0.01 min
Lab File: B74555.D
Acq: 18 Oct 2010 7:57 pm

Tgt Ion: 94 Resp: 135

Ion	Ratio	Lower	Upper
94	100		
96	0.0	72.7	112.7#



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 68000-3
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 10/08/10
Lab Receipt Date: 10/08/10
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Dichlorodifluoromethane	1	U	1,1,2-Trichloroethane	1	U
Chloromethane	1	U	1,3-Dichloropropane	1	U
Vinyl Chloride	1	U	Tetrachloroethene	1	U
Bromomethane	2	U	2-Hexanone	10	U
Chloroethane	1	U	Dibromochloromethane	1	U
Trichlorofluoromethane	1	U	1,2-Dibromoethane	1	U
1,1-Dichloroethene	1	U	Chlorobenzene	1	U
Acetone	10	U	1,1,1,2-Tetrachloroethane	1	U
Methyl iodide	1	U	Ethylbenzene	1	U
Carbon Disulfide	1	U	o-Xylene	1	U
Methylene Chloride	5	U	m,p-Xylene	1	U
trans-1,2-Dichloroethene	1	U	Styrene	1	U
Methyl-tert-butyl ether (MTBE)	1	U	Bromoform	1	U
1,1-Dichloroethane	1	U	Isopropylbenzene	1	U
Vinyl acetate	1	U	1,1,2,2-Tetrachloroethane	1	U
Methyl ethyl ketone	10	U	Bromobenzene	1	U
cis-1,2-Dichloroethene	1	U	1,2,3-Trichloropropane	1	U
2,2-Dichloropropane	1	U	n-Propylbenzene	1	U
Bromochloromethane	1	U	2-Chlorotoluene	1	U
Chloroform	1	U	1,3,5-Trimethylbenzene	1	U
1,1,1-Trichloroethane	1	U	4-Chlorotoluene	1	U
1,1-Dichloropropene	1	U	tert-butylbenzene	1	U
Carbon Tetrachloride	1	U	1,2,4-Trimethylbenzene	1	U
1,2-Dichloroethane	1	U	sec-butylbenzene	1	U
Benzene	1	U	p-isopropyltoluene	1	U
Trichloroethene	1	U	1,3-Dichlorobenzene	1	U
1,2-Dichloropropane	1	U	1,4-Dichlorobenzene	1	U
Dibromomethane	1	U	n-butylbenzene	1	U
Bromodichloromethane	1	U	1,2-Dichlorobenzene	1	U
cis-1,3-Dichloropropene	1	U	1,2-Dibromo-3-chloropropane	1	U
Methyl isobutyl ketone	10	U	1,2,4-Trichlorobenzene	1	U
Toluene	1	U	Hexachlorobutadiene	1	U
trans-1,3-Dichloropropene	1	U	Naphthalene	1	U
			1,2,3-Trichlorobenzene	1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	103 %	d8-Toluene	99 %	Bromofluorobenzen	100 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\101810-B\B74552.D
Acq On : 18 Oct 2010 6:44 pm
Sample : 68000-3
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Oct 19 7:36 2010

Vial: 21
Operator: TD
Inst : Instrumen
Multiplr: 1.00

Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration
DataAcq Meth : V810180B

DL=1
DF=1

TD 10/19/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.77	168	132678	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.79	114	340085	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.83	117	289424	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.19	152	101538	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	8.15	65	114720	20.64 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 103.20%		
36) d4-1,2-Dichloroethane	8.15	65	114720	20.64 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 103.20%		
54) d8-Toluene	10.82	98	395073	19.75 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 98.75%		
73) Bromofluorobenzene	14.52	95	159539	20.04 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 100.20%		

Target Compounds					Qvalue
5) Bromomethane	2.82	94	434	Below Cal #	64
6) Chloroethane	3.02	64	131	Below Cal #	42
33) Ethanol	3.74	45	129	Below Cal #	38
44) Cyclohexane	7.77	56	4207	Below Cal #	3

ND

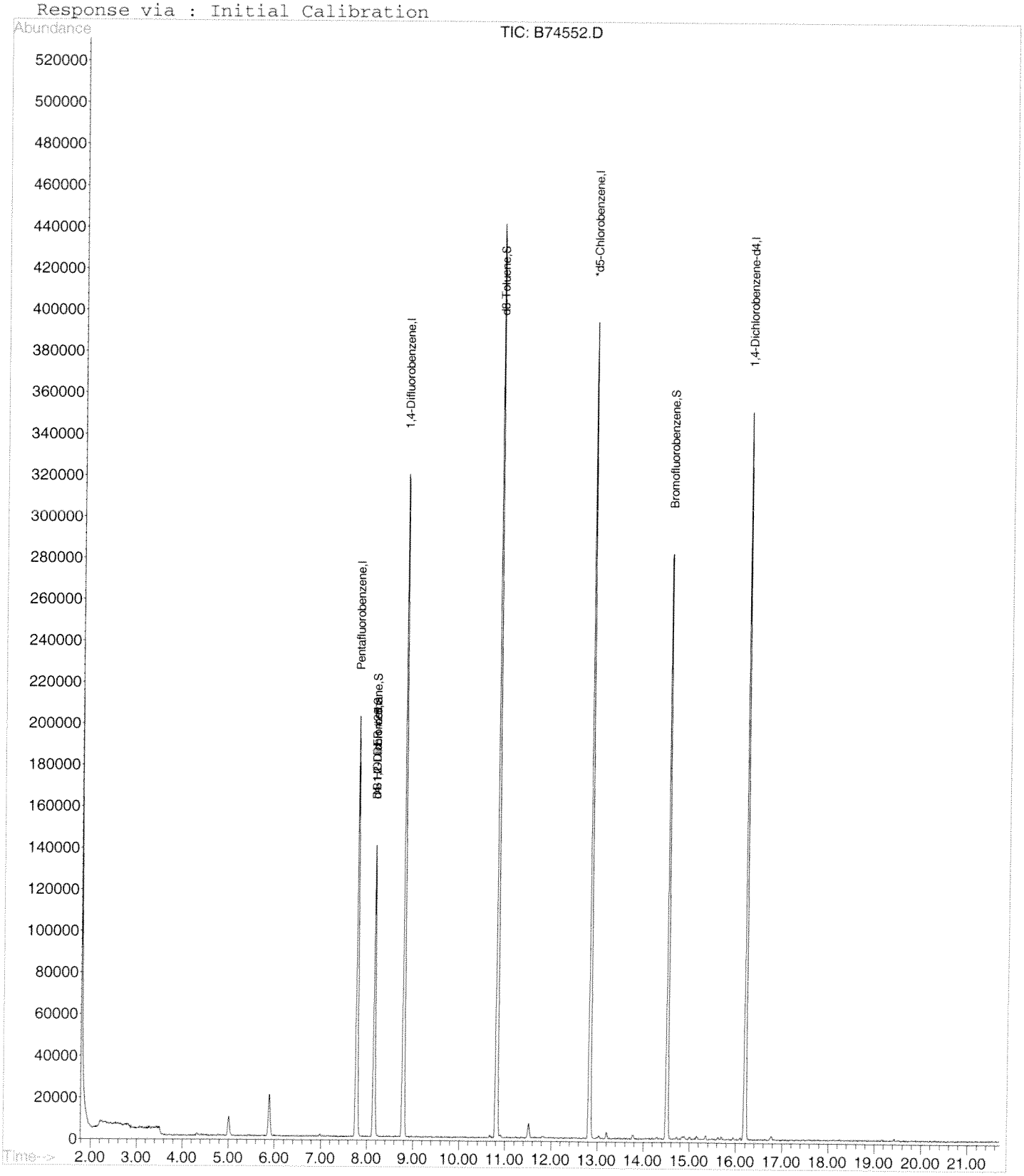
MT 10/19/10

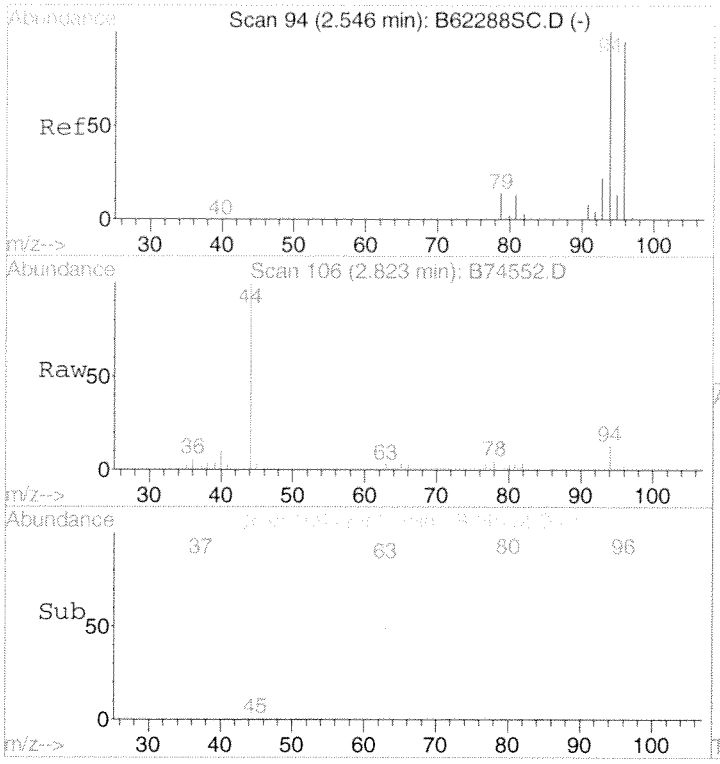
(#) = qualifier out of range (m) = manual integration
B74552.D V810180B.M Tue Oct 19 07:44:35 2010

Quantitation Report

Data File : C:\HPCHEM\1\DATA\101810-B\B74552.D Vial: 21
Acq On : 18 Oct 2010 6:44 pm Operator: TD
Sample : 68000-3 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 19 7:36 2010 Quant Results File: V810180B.RES

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration

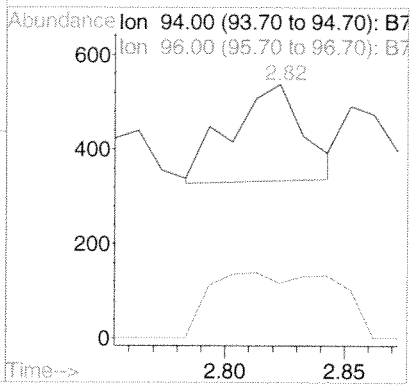




#5
Bromomethane
Concen: Below Cal
RT: 2.82 min Scan# 106
Delta R.T. 0.04 min
Lab File: B74552.D
Acq: 18 Oct 2010 6:44 pm

Tgt Ion: 94 Resp: 434

Ion	Ratio	Lower	Upper
94	100		
96	58.3	72.7	112.7#



X

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 68000-4
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: 10/08/10
Lab Receipt Date: 10/08/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Dichlorodifluoromethane	100	U	1,1,2-Trichloroethane	75	U
Chloromethane	100	U	1,3-Dichloropropane	100	U
Vinyl Chloride	100	U	Tetrachloroethene	100	U
Bromomethane	100	U	2-Hexanone	1000	U
Chloroethane	100	U	Dibromochloromethane	75	U
Trichlorofluoromethane	100	U	1,2-Dibromoethane	75	U
1,1-Dichloroethene	75	U	Chlorobenzene	100	U
Acetone	1000	U	1,1,1,2-Tetrachloroethane	100	U
Methyl iodide	100	U	Ethylbenzene	100	U
Carbon Disulfide	100	U	o-Xylene	100	U
Methylene Chloride	500	U	m,p-Xylene	100	U
trans-1,2-Dichloroethene	100	U	Styrene	100	U
Methyl-tert-butyl ether (MTBE)	75	U	Bromoform	75	U
1,1-Dichloroethane	100	U	Isopropylbenzene	100	U
Vinyl acetate	750	U	1,1,2,2-Tetrachloroethane	75	U
Methyl ethyl ketone	1000	U	Bromobenzene	100	U
cis-1,2-Dichloroethene	100	U	1,2,3-Trichloropropane	100	U
2,2-Dichloropropane	100	U	n-Propylbenzene	100	U
Bromochloromethane	100	U	2-Chlorotoluene	100	U
Chloroform	75	U	1,3,5-Trimethylbenzene	100	U
1,1,1-Trichloroethane	100	U	4-Chlorotoluene	100	U
1,1-Dichloropropene	100	U	tert-butylbenzene	100	U
Carbon Tetrachloride	100	U	1,2,4-Trimethylbenzene	100	U
1,2-Dichloroethane	75	U	sec-butylbenzene	100	U
Benzene	100	U	p-isopropyltoluene	100	U
Trichloroethene	100	U	1,3-Dichlorobenzene	100	U
1,2-Dichloropropane	75	U	1,4-Dichlorobenzene	100	U
Dibromomethane	100	U	n-butylbenzene	100	U
Bromodichloromethane	75	U	1,2-Dichlorobenzene	100	U
cis-1,3-Dichloropropene	100	U	1,2-Dibromo-3-chloropropane	100	U
Methyl isobutyl ketone	1000	U	1,2,4-Trichlorobenzene	100	U
Toluene	100	U	Hexachlorobutadiene	100	U
trans-1,3-Dichloropropene	100	U	Naphthalene	100	U
			1,2,3-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	100	%	d8-Toluene	105	%	Bromofluorobenzen	106	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 TTECW (3):Res(71):Rec(3)

Authorized signature

Quantitation Report (Not Reviewed)

Q

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76544.D Vial: 12
Acq On : 15 Oct 2010 4:49 pm Operator: MT
Sample : 68000-4 Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

5000X10 / 50X10X.1 = 100

TB 10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.16	168	201165	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.65	114	414594	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.18	117	356612	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.89	152	145607	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	8.04	65	153246	20.06 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.30%	
36) d4-1,2-Dichloroethane	8.04	65	153246	20.04 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.20%	
54) d8-Toluene	10.91	98	481168	21.05 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	105.25%	
73) Bromofluorobenzene	15.05	95	178281	21.24 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	106.20%	

Target Compounds						Qvalue
~~3)~~ Chloromethane	1.98	50	1149	~~Below Cal~~		68
~~5)~~ Bromomethane	2.55	94	2561	~~1.24 ug~~/L	#	5
~~12)~~ Acetone	3.65	43	2274	~~Below Cal~~	#	28
~~21)~~ 1,1-Dichloroethane	5.82	63	437	~~Below Cal~~		72
~~30)~~ Bromochloromethane	7.24	128	67	~~Below Cal~~	#	1
~~31)~~ Tetrahydrofuran	7.31	71	150	~~Below Cal~~	#	1
~~40)~~ Trichloroethene	9.10	95	812	~~Below Cal~~	#	9
~~46)~~ Dibromomethane	9.81	93	770	~~Below Cal~~	#	22
~~92)~~ 1,2-Dibromo-3-chloropropan	18.75	75	238	~~Below Cal~~	#	29

MD

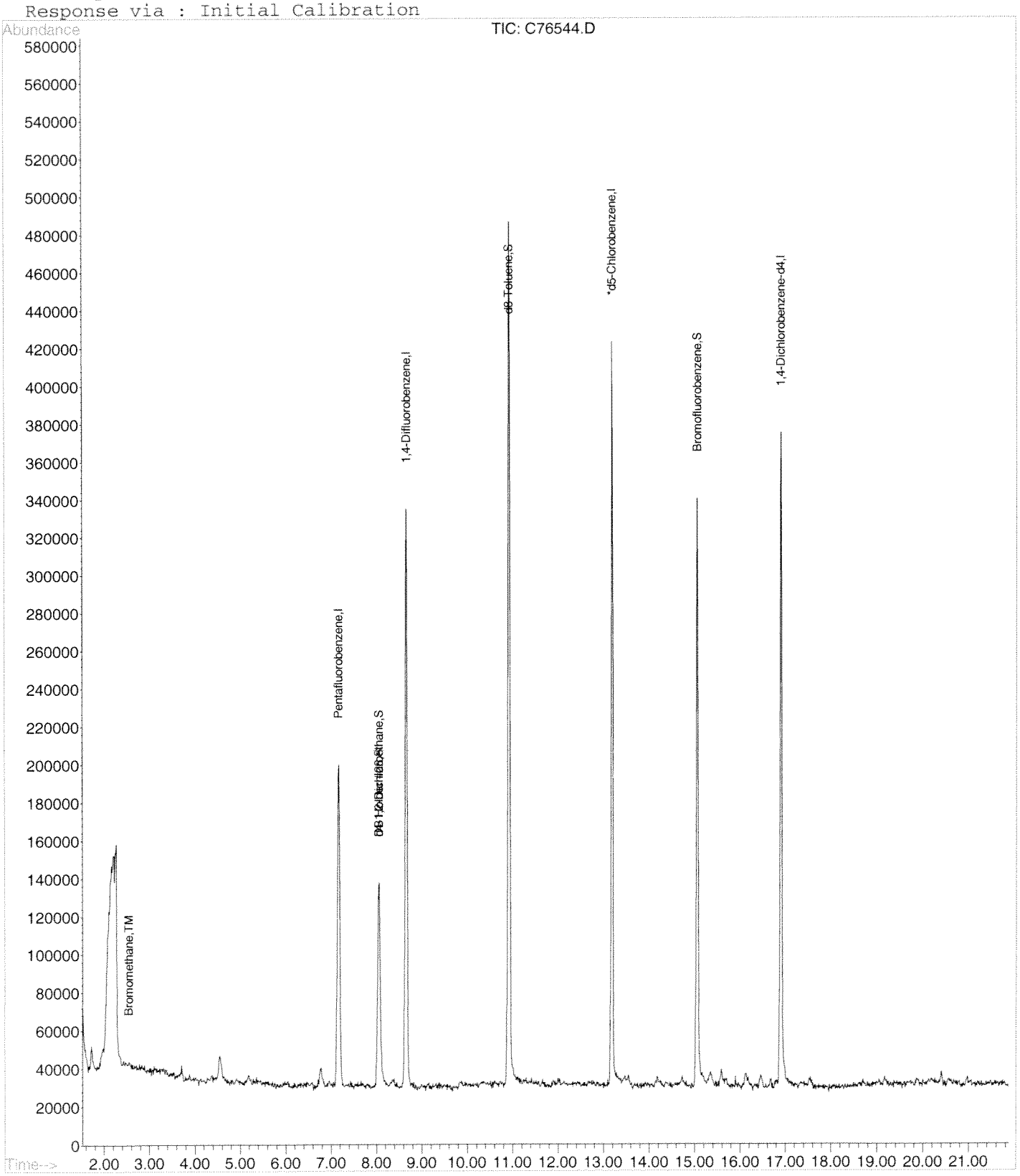
VMM 10/18/10

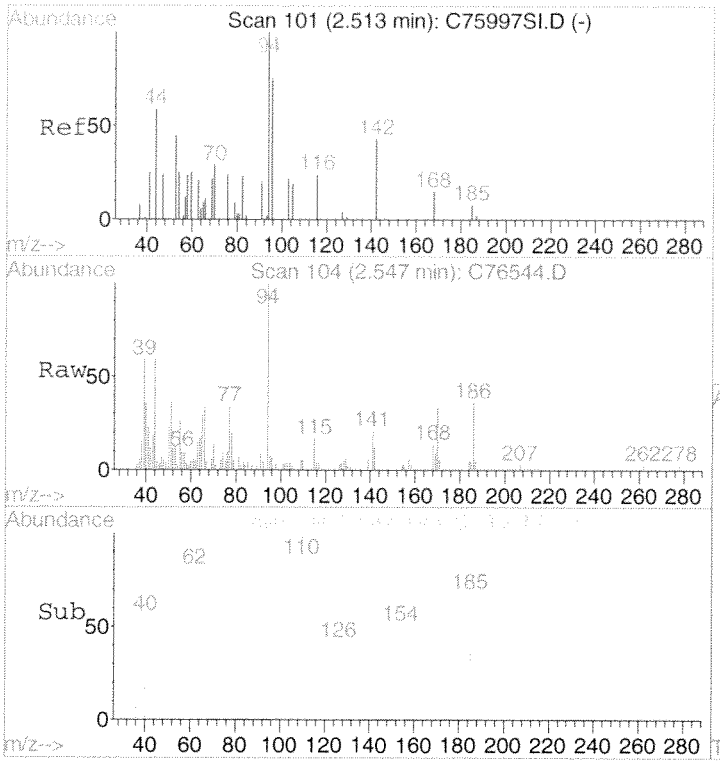
(#) = qualifier out of range (m) = manual integration
C76544.D V808100C.M Sat Oct 16 13:01:26 2010

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76544.D Vial: 12
Acq On : 15 Oct 2010 4:49 pm Operator: MT
Sample : 68000-4 Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration

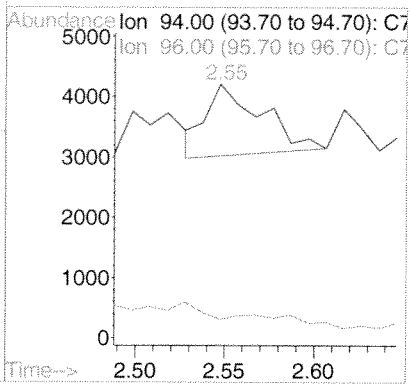


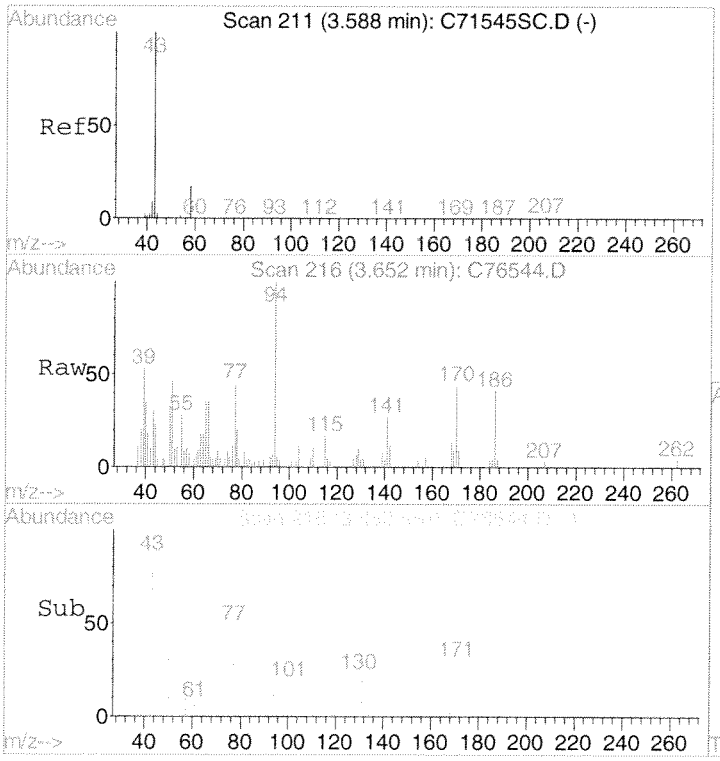


#5
Bromomethane
Concen: 1.24 ug/L
RT: 2.55 min Scan# 104
Delta R.T. 0.01 min
Lab File: C76544.D
Acq: 15 Oct 2010 4:49 pm

Tgt Ion: 94 Resp: 2561

Ion	Ratio	Lower	Upper
94	100		
96	3.2	75.4	115.4#

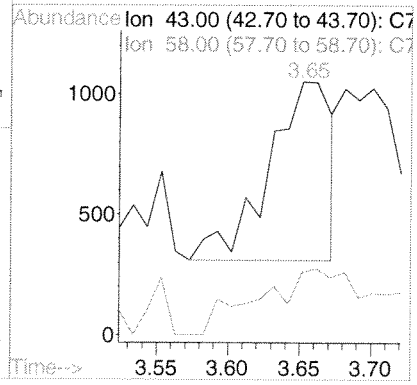


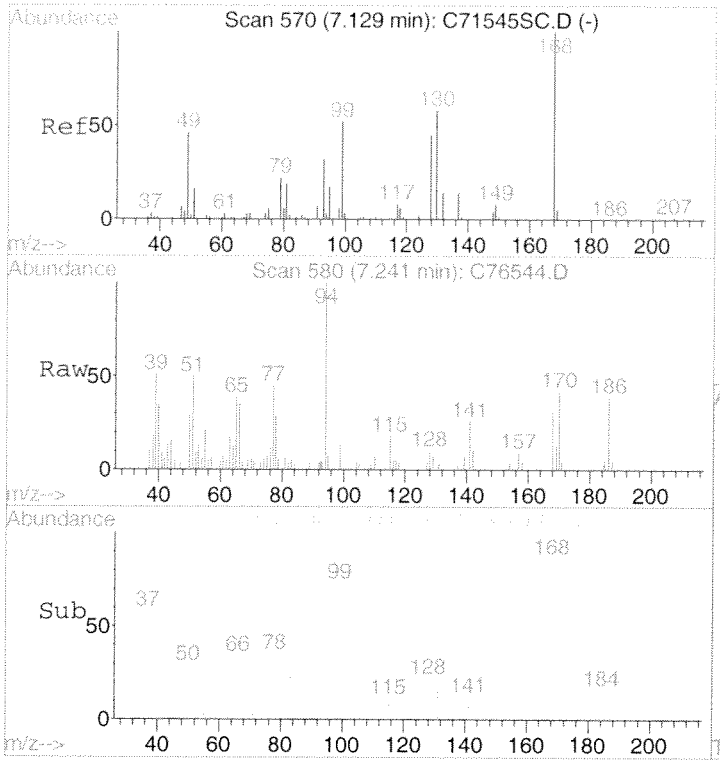


#12
Acetone
Concen: Below Cal
RT: 3.65 min Scan# 216
Delta R.T. 0.02 min
Lab File: C76544.D
Acq: 15 Oct 2010 4:49 pm

Tgt Ion: 43 Resp: 2274

Ion	Ratio	Lower	Upper
43	100		
58	62.7	20.9	31.3#

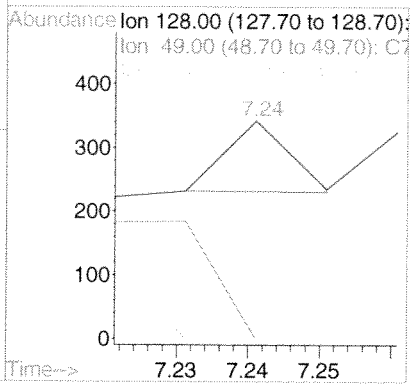




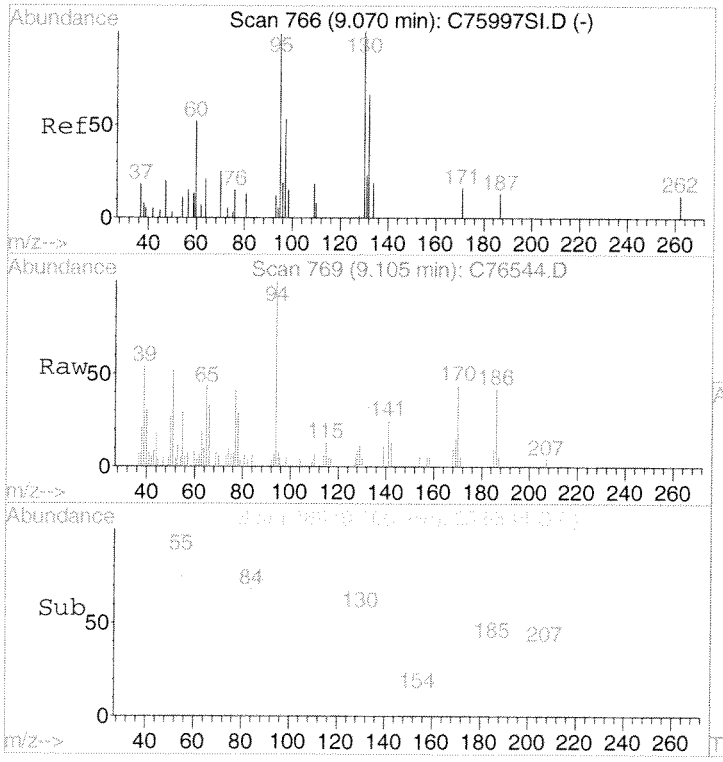
#30
Bromochloromethane
Concen: Below Cal
RT: 7.24 min Scan# 580
Delta R.T. 0.04 min
Lab File: C76544.D
Acq: 15 Oct 2010 4:49 pm

Tgt Ion:128 Resp: 67

Ion	Ratio	Lower	Upper
128	100		
49	0.0	175.1	215.1#
130	0.0	104.4	144.4#



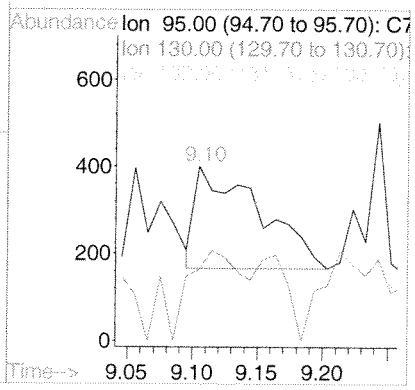
X



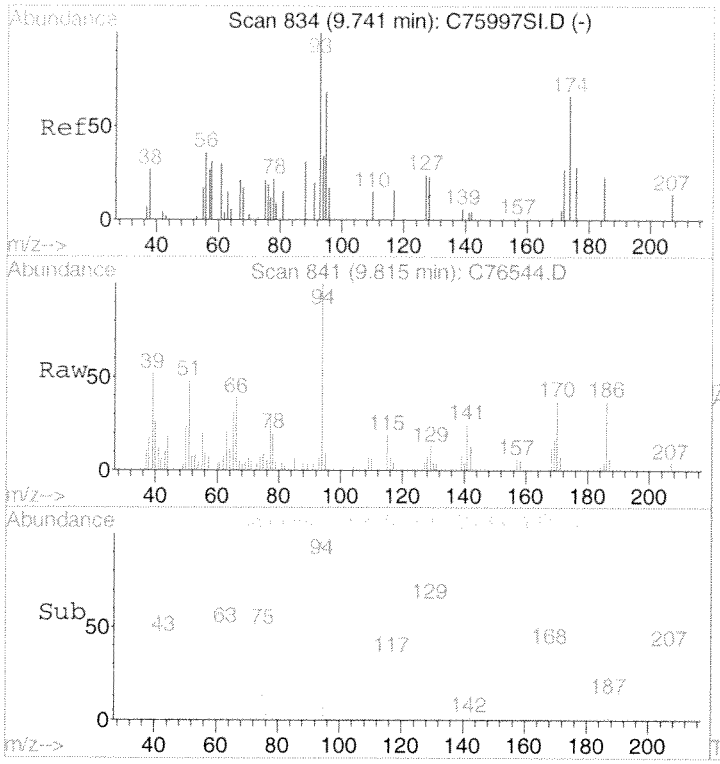
#40
Trichloroethene
Concen: Below Cal
RT: 9.10 min Scan# 769
Delta R.T. -0.02 min
Lab File: C76544.D
Acq: 15 Oct 2010 4:49 pm

Tgt Ion: 95 Resp: 812

Ion	Ratio	Lower	Upper
95	100		
130	15.7	78.9	118.9#
132	0.0	74.5	114.5#



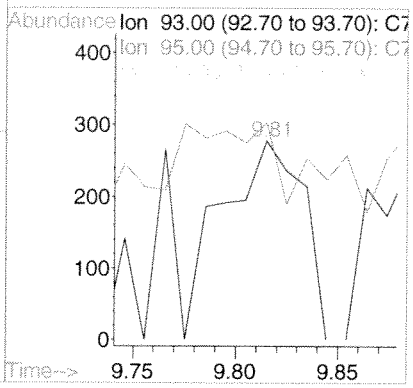
X



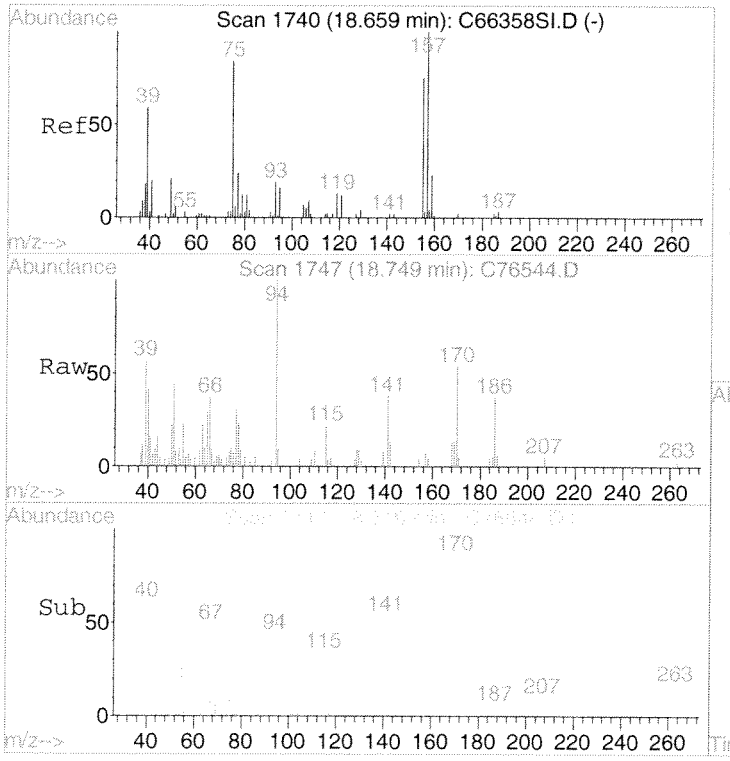
#46
Dibromomethane
Concen: Below Cal
RT: 9.81 min Scan# 841
Delta R.T. 0.01 min
Lab File: C76544.D
Acq: 15 Oct 2010 4:49 pm

Tgt Ion: 93 Resp: 770

Ion	Ratio	Lower	Upper
93	100		
95	28.8	63.4	103.4#
174	0.0	68.6	108.6#



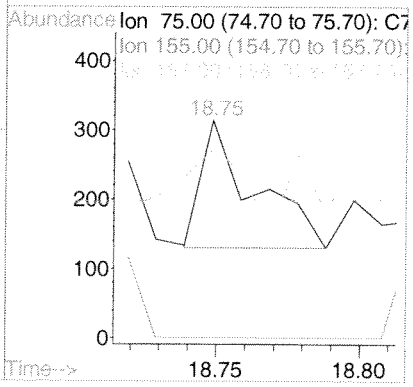
X



#92
1,2-Dibromo-3-chloropropane
Concen: Below Cal
RT: 18.75 min Scan# 1747
Delta R.T. -0.00 min
Lab File: C76544.D
Acq: 15 Oct 2010 4:49 pm

Tgt Ion: 75 Resp: 238

Ion	Ratio	Lower	Upper
75	100		
155	0.0	66.6	106.6#
157	49.5	80.5	120.5#



X

VOLATILE
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:VOCQC.doc

VOLATILE ORGANIC SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): N

SDG: 68000

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
20 PPB	95		101		100	
LS10150C,RR	95		100		102	
LS10150C2,RR	88		100		99	
MB10150C	91		98		97	
68000-4	100		105		106	
68000-1	96		104		104	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	130
SMC #2 =	Toluene-d8	70	130
SMC #3 =	Bromofluorobenzene	70	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC AQUEOUS
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: B
GC Column: RTX-502.2
Column ID: 0.25 mm
HEATED PURGE (Y/N): N

SDG: 68000

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#
0.2 PPB	106		100		101	
0.5 PPB	108		102		101	
1.0 PPB	110		101		103	
2.0 PPB	108		103		101	
5.0 PPB	110		101		102	
20 PPB	107		102		103	
50 PPB	104		102		100	
100 PPB	100		103		101	
20 PPB ICV3/L810180B3	95		99		99	
20 PPB ICV4/L810180B4	95		98		100	
B810180B	100		101		100	
68000-3	103		99		100	
68000-2	104		100		100	

		Lower Limit	Upper Limit
SMC #1 =	1,2-Dichloroethane-d4	70	120
SMC #2 =	Toluene-d8	85	120
SMC #3 =	Bromofluorobenzene	75	120

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

VOA FORM 2

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

10/18/10

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: MB10150C
Spike: LS10150C,RR
Spike duplicate: LS10150C2,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	2000	2000	49	82	25	0	1585	79		1552	78		2	
Chloromethane	2000	2000	75	125	25	0	1778	89		1643	82		8	
Vinyl Chloride	2000	2000	75	125	25	0	1667	83		1701	85		2	
Bromomethane	2000	2000	75	125	25	0	2162	108		2218	111		3	
Chloroethane	2000	2000	75	125	25	0	1969	98		1844	92		7	
t-Butyl alcohol (TBA)	10000	10000	60	140	25	0	8694	87		7543	75		14	
Trichlorofluoromethane	2000	2000	75	125	25	0	1691	85		1679	84		1	
Diethyl ether	2000	2000	75	125	25	0	2141	107		2074	104		3	
1,1,2-Trichlorotrifluoroethane	2000	2000	75	125	25	0	1955	98		1885	94		4	
Acetone	5000	5000	75	125	25	0	6153	123		5911	118		4	
1,1-Dichloroethene	2000	2000	75	125	25	0	1971	99		1945	97		1	
Methyl iodide	2000	2000	75	125	25	0	2089	104		2263	113		8	
Di-isopropyl ether (DIPE)	2000	2000	75	125	25	0	1931	97		1899	95		2	
Methylene Chloride	2000	2000	75	125	25	0	1977	99		1943	97		2	
Carbon Disulfide	2000	2000	75	125	25	0	2069	103		2045	102		1	
Acrylonitrile	2000	2000	75	125	25	0	1994	100		1764	88		12	
Methyl-tert-butyl ether (MTBE)	2000	2000	75	125	25	0	1963	98		1977	99		1	
trans-1,2-Dichloroethene	2000	2000	75	125	25	0	1910	96		1863	93		2	
1,1-Dichloroethane	2000	2000	75	125	25	0	1990	99		1928	96		3	
Methyl ethyl ketone	5000	5000	60	140	25	0	5047	101		4044	81		22	
Ethyl t-butyl ether (ETBE)	2000	2000	75	125	25	0	1950	97		1906	95		2	
2,2-Dichloropropane	2000	2000	75	125	25	0	1865	93		1782	89		5	
cis-1,2-Dichloroethene	2000	2000	75	125	25	0	1911	96		1844	92		4	
t-Amyl methyl ether (TAME)	2000	2000	75	125	25	0	1887	94		1835	92		3	
Chloroform	2000	2000	75	125	25	0	1854	93		1790	90		3	
Bromochloromethane	2000	2000	75	125	25	0	1979	99		1964	98		1	
Tetrahydrofuran	2000	2000	60	140	25	0	1831	92		1696	85		8	
1,1,1-Trichloroethane	2000	2000	75	125	25	0	1841	92		1791	90		3	
1,1-Dichloropropene	2000	2000	75	125	25	0	1897	95		1921	96		1	
Carbon Tetrachloride	2000	2000	75	125	25	0	1983	99		1938	97		2	
1,2-Dichloroethane	2000	2000	75	125	25	0	1895	95		1849	92		2	
Benzene	2000	2000	75	125	25	0	1913	96		1904	95		0	
Trichloroethene	2000	2000	75	125	25	0	1949	97		2001	100		3	
1,2-Dichloropropane	2000	2000	75	125	25	0	1923	96		1914	96		0	
Methylmethacrylate	2000	2000	75	125	25	0	1691	85		1613	81		5	
Bromodichloromethane	2000	2000	75	125	25	0	1772	89		1781	89		1	
Dibromomethane	2000	2000	75	125	25	0	1918	96		1913	96		0	
2-Hexanone	5000	5000	75	125	25	0	4483	90		3954	79		13	
Methyl isobutyl ketone	5000	5000	75	125	25	0	4521	90		4189	84		8	
cis-1,3-Dichloropropene	2000	2000	75	125	25	0	1913	96		1906	95		0	
Toluene	2000	2000	75	125	25	0	1870	94		1881	94		1	
trans-1,3-Dichloropropene	2000	2000	75	125	25	0	1844	92		1833	92		1	
1,1,2-Trichloroethane	2000	2000	75	125	25	0	1943	97		1909	95		2	
1,3-Dichloropropane	2000	2000	75	125	25	0	1772	89		1764	88		0	
Tetrachloroethene	2000	2000	75	125	25	0	1625	81		1651	83		2	
Dibromochloromethane	2000	2000	75	125	25	0	1743	87		1754	88		1	
1,2-Dibromoethane	2000	2000	75	125	25	0	1764	88		1736	87		2	
Chlorobenzene	2000	2000	75	125	25	0	1817	91		1843	92		1	
1,1,1,2-Tetrachloroethane	2000	2000	75	125	25	0	1843	92		1858	93		1	
Ethylbenzene	2000	2000	75	125	25	0	1784	89		1806	90		1	
m,p-Xylene	4000	4000	75	125	25	0	3578	89		3615	90		1	
o-Xylene	2000	2000	75	125	25	0	1773	89		1831	92		3	
Styrene	2000	2000	75	125	25	0	1813	91		1841	92		2	

VOA FORM 3

VMT 10/18/10

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: MB10150C
Spike: LS10150C,RR
Spike duplicate: LS10150C2,RR

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Bromoform	2000	2000	75	125	25	0	1661	83		1659	83		0	
Isopropylbenzene	2000	2000	75	125	25	0	1810	90		1809	90		0	
1,1,2,2-Tetrachloroethane	2000	2000	75	125	25	0	1696	85		1601	80		6	
1,2,3-Trichloropropane	2000	2000	75	125	25	0	1878	94		1755	88		7	
trans-1,4-Dichloro-2-butene	2000	2000	75	125	25	0	1900	95		1853	93		3	
n-Propylbenzene	2000	2000	75	125	25	0	1781	89		1784	89		0	
Bromobenzene	2000	2000	75	125	25	0	1845	92		1807	90		2	
1,3,5-Trimethylbenzene	2000	2000	75	125	25	0	1810	91		1805	90		0	
2-Chlorotoluene	2000	2000	75	125	25	0	1857	93		1843	92		1	
4-Chlorotoluene	2000	2000	75	125	25	0	1788	89		1817	91		2	
tert-butylbenzene	2000	2000	75	125	25	0	1749	87		1805	90		3	
1,2,4-Trimethylbenzene	2000	2000	75	125	25	0	1756	88		1724	86		2	
sec-butylbenzene	2000	2000	75	125	25	0	1793	90		1784	89		1	
p-isopropyltoluene	2000	2000	75	125	25	0	1751	88		1748	87		0	
1,3-Dichlorobenzene	2000	2000	75	125	25	0	1752	88		1750	88		0	
1,4-Dichlorobenzene	2000	2000	75	125	25	0	1785	89		1783	89		0	
n-butylbenzene	2000	2000	75	125	25	0	1821	91		1815	91		0	
1,2-Dichlorobenzene	2000	2000	75	125	25	0	1826	91		1822	91		0	
1,2-Dibromo-3-chloropropane	2000	2000	75	125	25	0	1756	88		1484	74	*	17	
1,2,4-Trichlorobenzene	2000	2000	75	125	25	0	1758	88		1781	89		1	
Hexachlorobutadiene	2000	2000	75	125	25	0	1774	89		1747	87		2	
Naphthalene	2000	2000	75	125	25	0	1763	88		1675	84		5	
1,2,3-Trichlorobenzene	2000	2000	75	125	25	0	1739	87		1769	88		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

VOA FORM 3

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76539Q.D Vial: 6
Acq On : 15 Oct 2010 2:25 pm Operator: MT
Sample : LS10150C,RR Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

TD 10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.16	168	195969	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.66	114	404249	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.18	117	348645	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.89	152	148477	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	8.05	65	141827	19.05 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.25%	
36) d4-1,2-Dichloroethane	8.05	65	141827	19.04 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.20%	
54) d8-Toluene	10.91	98	447838	20.09 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.45%	
73) Bromofluorobenzene	15.05	95	167793	20.45 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	102.25%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.70	85	117580	15.85 ug/L	99
3) Chloromethane	1.99	50	177072	17.78 ug/L	98
4) Vinyl Chloride	2.03	62	125085	16.67 ug/L	99
5) Bromomethane	2.48	94	130806	21.62 ug/L	96
6) Chloroethane	2.58	64	111803	19.69 ug/L	97
7) t-Butyl alcohol (TBA)	4.05	59	61401	86.94 ug/L #	78
8) Trichlorofluoromethane	2.92	101	194729	16.91 ug/L	89
9) Diethyl ether	3.37	74	66178	21.41 ug/L	93
10) 1,1,2-Trichlorotrifluoroet	3.56	101	124474	19.55 ug/L #	88
12) Acetone	3.64	43	159668	61.53 ug/L	98
13) 1,1-Dichloroethene	3.77	96	116752	19.71 ug/L	94
14) Methyl iodide	4.23	142	113048	20.89 ug/L	94
15) Di-isopropyl ether (DIPE)	5.64	45	561551	19.31 ug/L	99
16) Methylene Chloride	4.55	84	134316	19.77 ug/L	99
17) Carbon Disulfide	4.52	76	414362	20.69 ug/L	97
18) Acrylonitrile	4.80	53	63028	19.94 ug/L	95
19) Methyl-tert-butyl ether (M	4.89	73	268832	19.63 ug/L #	93
20) trans-1,2-Dichloroethene	5.05	61	192575	19.10 ug/L	98
21) 1,1-Dichloroethane	5.75	63	233440	19.90 ug/L	97
22) Vinyl acetate	5.80	43	295474	24.09 ug/L	99
23) Methyl ethyl ketone	6.48	72	35428	50.47 ug/L #	96
24) Ethyl t-butyl ether (ETBE)	6.29	59	415827	19.50 ug/L	100
25) 2,2-Dichloropropane	6.65	77	141629	18.65 ug/L	93
26) cis-1,2-Dichloroethene	6.71	96	138092	19.11 ug/L	95
27) t-Amyl methyl ether (TAME)	8.03	73	330735	18.87 ug/L	99
29) Chloroform	6.95	83	220035	18.54 ug/L	96
30) Bromochloromethane	7.19	128	61739	19.79 ug/L	91
31) Tetrahydrofuran	7.31	71	15175	18.31 ug/L	87
32) 1,1,1-Trichloroethane	7.58	97	170425	18.41 ug/L	98
34) 1,1-Dichloropropene	7.81	75	176021	18.97 ug/L	98
35) Carbon Tetrachloride	7.95	119	109459	19.83 ug/L	91
37) 1,2-Dichloroethane	8.18	62	168262	18.95 ug/L	98
38) Benzene	8.18	78	461066	19.13 ug/L	99
40) Trichloroethene	9.12	95	139372	19.49 ug/L	99
41) 1,2-Dichloropropane	9.39	63	135705	19.23 ug/L	98
42) Methylmethacrylate	9.53	69	86263	16.91 ug/L	99
43) Methyl acetate	4.38	43	49533	4.69 ug/L #	95
45) Bromodichloromethane	9.74	83	145618	17.72 ug/L	99
46) Dibromomethane	9.80	93	88677	19.18 ug/L	95

(#) = qualifier out of range (m) = manual integration

VMU 10/18/10

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76539Q.D Vial: 6
Acq On : 15 Oct 2010 2:25 pm Operator: MT
Sample : LS10150C,RR Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

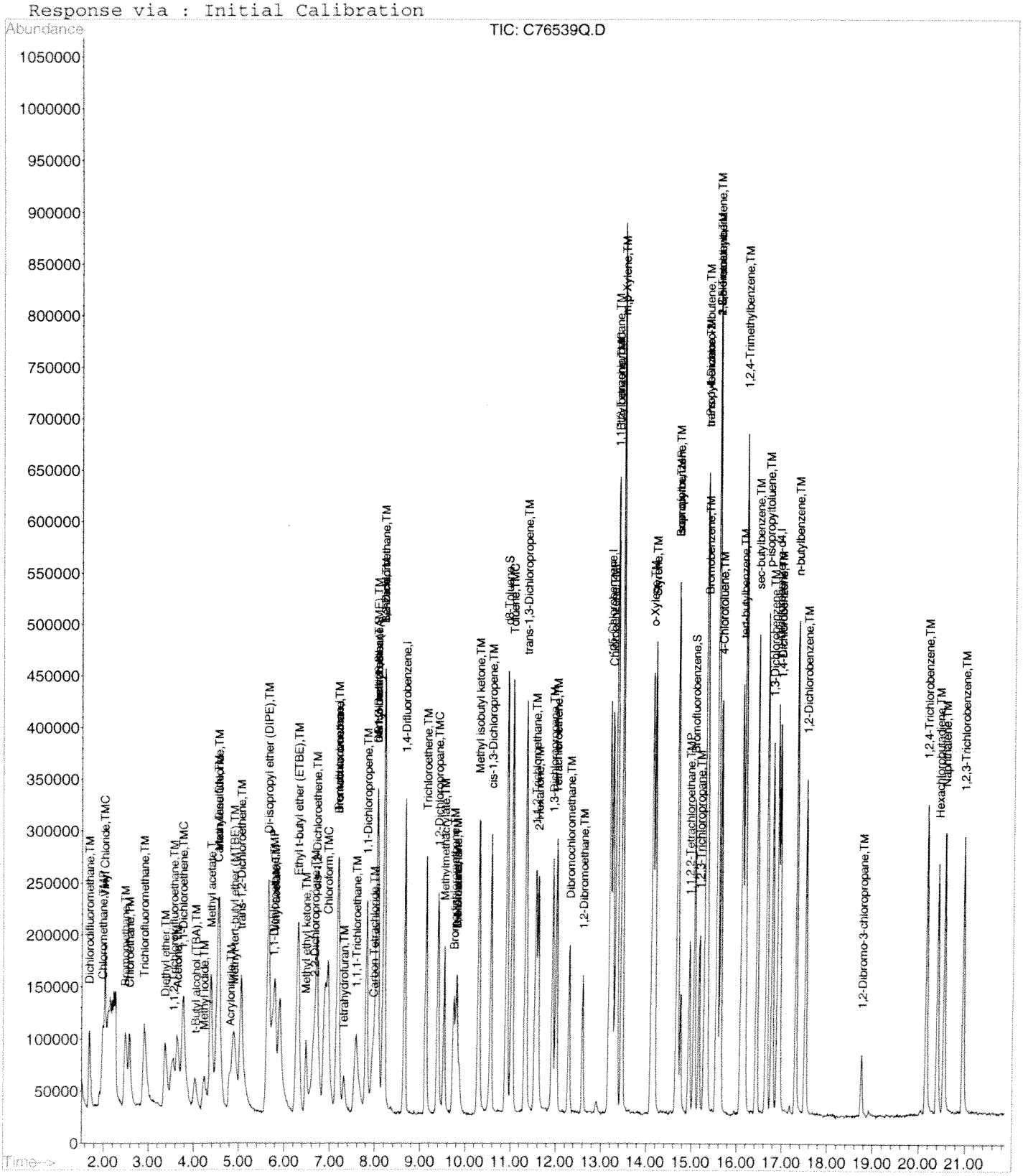
Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
47)	1,4-Dioxane	9.81	88	2271	25.87 ug/L		91
51)	2-Hexanone	11.60	58	130981	44.83 ug/L		99
52)	Methyl isobutyl ketone	10.29	58	135384	45.21 ug/L		99
53)	cis-1,3-Dichloropropene	10.56	75	207726	19.13 ug/L		98
55)	Toluene	11.02	92	292061	18.70 ug/L		97
56)	trans-1,3-Dichloropropene	11.32	75	188288	18.44 ug/L		96
58)	1,1,2-Trichloroethane	11.55	83	98232	19.43 ug/L		94
59)	1,3-Dichloropropane	11.92	76	194691	17.72 ug/L		98
60)	Tetrachloroethene	12.01	166	121292	16.25 ug/L		98
61)	Dibromochloromethane	12.30	129	130991	17.43 ug/L		100
62)	1,2-Dibromoethane	12.59	107	137156	17.64 ug/L		98
64)	Chlorobenzene	13.24	112	329407	18.17 ug/L		99
65)	1,1,1,2-Tetrachloroethane	13.31	131	115521	18.43 ug/L		98
66)	Ethylbenzene	13.33	91	505980	17.84 ug/L		100
67)	m,p-Xylene	13.46	106	413929	35.78 ug/L		95
68)	o-Xylene	14.12	106	197950	17.73 ug/L		96
69)	Styrene	14.17	104	354343	18.13 ug/L		100
70)	Bromoform	14.66	173	71416	16.61 ug/L		100
71)	Isopropylbenzene	14.68	105	526578	18.10 ug/L		99
72)	1,1,2,2-Tetrachloroethane	14.94	83	145889	16.96 ug/L		99
74)	1,2,3-Trichloropropane	15.17	75	111349	18.78 ug/L		97
75)	trans-1,4-Dichloro-2-buten	15.29	89	42322	19.00 ug/L	#	80
76)	n-Propylbenzene	15.30	91	609457	17.81 ug/L		99
77)	Bromobenzene	15.33	156	120762	18.45 ug/L		92
78)	1,3,5-Trimethylbenzene	15.55	105	412111	18.10 ug/L		99
79)	2-Chlorotoluene	15.56	91	386214	18.57 ug/L		100
80)	4-Chlorotoluene	15.64	91	351473	17.88 ug/L		99
81)	tert-butylbenzene	16.10	119	353142	17.49 ug/L		97
82)	1,2,4-Trimethylbenzene	16.16	105	428330	17.56 ug/L		99
84)	sec-butylbenzene	16.44	105	577753	17.93 ug/L		99
85)	p-isopropyltoluene	16.65	119	451524	17.51 ug/L		100
86)	1,3-Dichlorobenzene	16.77	146	208629	17.52 ug/L		98
88)	1,4-Dichlorobenzene	16.94	146	212946	17.85 ug/L		99
89)	n-butylbenzene	17.31	91	423094	18.21 ug/L		100
90)	1,2-Dichlorobenzene	17.51	146	195696	18.26 ug/L		97
92)	1,2-Dibromo-3-chloropropan	18.75	75	24143	17.56 ug/L		92
94)	1,2,4-Trichlorobenzene	20.16	180	143767	17.58 ug/L		90
95)	Hexachlorobutadiene	20.40	225	72025	17.74 ug/L		95
96)	Naphthalene	20.55	128	349932	17.62 ug/L		100
97)	1,2,3-Trichlorobenzene	20.95	180	126087	17.39 ug/L		99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76539Q.D Vial: 6
Acq On : 15 Oct 2010 2:25 pm Operator: MT
Sample : LS10150C,RR Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76540Q.D Vial: 7
Acq On : 15 Oct 2010 2:41 pm Operator: MT
Sample : LS10150C2,RR Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.16	168	205315	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.65	114	413759	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.18	117	356530	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.90	152	149358	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	8.04	65	137792	17.67 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	88.35%	
36) d4-1,2-Dichloroethane	8.04	65	137792	17.65 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	88.25%	
54) d8-Toluene	10.91	98	457076	20.03 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	100.15%	
73) Bromofluorobenzene	15.05	95	165486	19.72 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.60%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.69	85	120681	15.52 ug/L	97
3) Chloromethane	2.00	50	171614	16.43 ug/L	99
4) Vinyl Chloride	2.03	62	133702	17.01 ug/L	98
5) Bromomethane	2.49	94	140746	22.18 ug/L	94
6) Chloroethane	2.59	64	109701	18.44 ug/L	98
7) t-Butyl alcohol (TBA)	4.02	59	55807	75.43 ug/L #	86
8) Trichlorofluoromethane	2.91	101	202573	16.79 ug/L	96
9) Diethyl ether	3.37	74	67141	20.74 ug/L	93
10) 1,1,2-Trichlorotrifluoroet	3.54	101	125771	18.85 ug/L #	95
12) Acetone	3.63	43	161063	59.11 ug/L	100
13) 1,1-Dichloroethene	3.77	96	120713	19.45 ug/L	97
14) Methyl iodide	4.23	142	128376	22.63 ug/L	97
15) Di-isopropyl ether (DIPE)	5.64	45	578396	18.99 ug/L	98
16) Methylene Chloride	4.55	84	138400	19.43 ug/L	99
17) Carbon Disulfide	4.52	76	429178	20.45 ug/L	98
18) Acrylonitrile	4.79	53	58418	17.64 ug/L	95
19) Methyl-tert-butyl ether (M	4.89	73	283763	19.77 ug/L	97
20) trans-1,2-Dichloroethene	5.05	61	196834	18.63 ug/L	98
21) 1,1-Dichloroethane	5.74	63	237119	19.28 ug/L	99
22) Vinyl acetate	5.79	43	294270	22.90 ug/L	100
23) Methyl ethyl ketone	6.47	72	29739	40.44 ug/L	97
24) Ethyl t-butyl ether (ETBE)	6.29	59	425752	19.06 ug/L	100
25) 2,2-Dichloropropane	6.65	77	141804	17.82 ug/L	96
26) cis-1,2-Dichloroethene	6.70	96	139582	18.44 ug/L	96
27) t-Amyl methyl ether (TAME)	8.02	73	336931	18.35 ug/L	99
29) Chloroform	6.97	83	222618	17.90 ug/L	96
30) Bromochloromethane	7.18	128	64192	19.64 ug/L	99
31) Tetrahydrofuran	7.29	71	14832	16.96 ug/L	92
32) 1,1,1-Trichloroethane	7.58	97	173704	17.91 ug/L	95
34) 1,1-Dichloropropene	7.80	75	186747	19.21 ug/L	98
35) Carbon Tetrachloride	7.95	119	112080	19.38 ug/L	99
37) 1,2-Dichloroethane	8.19	62	172073	18.49 ug/L	98
38) Benzene	8.19	78	480769	19.04 ug/L	98
40) Trichloroethene	9.13	95	146245	20.01 ug/L	99
41) 1,2-Dichloropropane	9.38	63	138233	19.14 ug/L	97
42) Methylmethacrylate	9.53	69	84212	16.13 ug/L	97
43) Methyl acetate	4.37	43	47771	4.37 ug/L #	98
45) Bromodichloromethane	9.74	83	149828	17.81 ug/L	99
46) Dibromomethane	9.80	93	90533	19.13 ug/L	97

VMT 10/18/10

(#) = qualifier out of range (m) = manual integration
C76540Q.D V808100C.M Sat Oct 16 13:01:03 2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76540Q.D Vial: 7
Acq On : 15 Oct 2010 2:41 pm Operator: MT
Sample : LS10150C2,RR Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

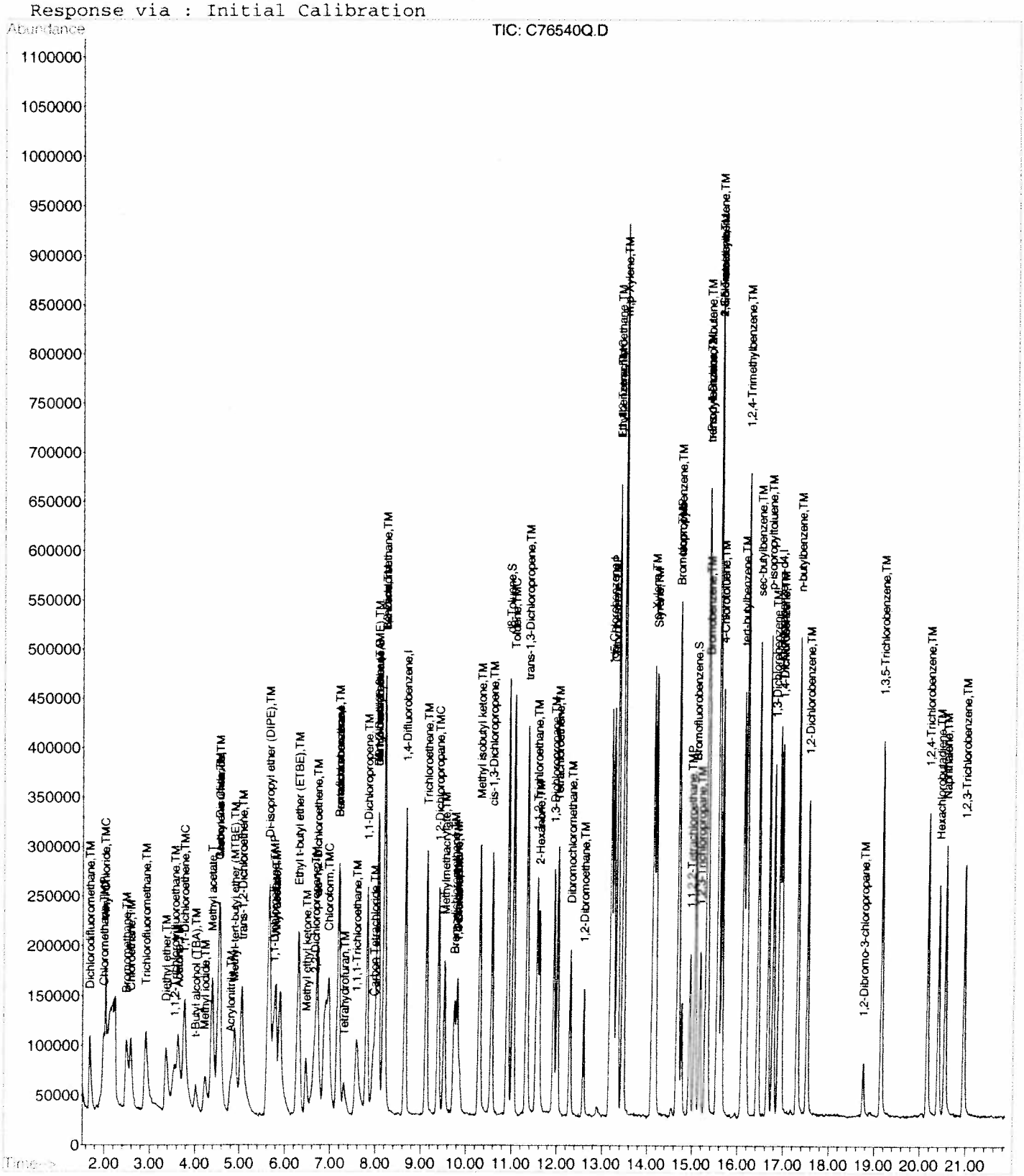
Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47)	1,4-Dioxane	9.82	88	2482	27.62 ug/L	92
51)	2-Hexanone	11.59	58	118243	39.54 ug/L	98
52)	Methyl isobutyl ketone	10.29	58	128396	41.89 ug/L	98
53)	cis-1,3-Dichloropropene	10.56	75	211835	19.06 ug/L	94
55)	Toluene	11.03	92	300596	18.81 ug/L	98
56)	trans-1,3-Dichloropropene	11.32	75	191586	18.33 ug/L	99
58)	1,1,2-Trichloroethane	11.54	83	98784	19.09 ug/L	95
59)	1,3-Dichloropropane	11.92	76	198468	17.64 ug/L	98
60)	Tetrachloroethene	12.01	166	126150	16.51 ug/L	94
61)	Dibromochloromethane	12.29	129	134898	17.54 ug/L	98
62)	1,2-Dibromoethane	12.60	107	138144	17.36 ug/L	97
64)	Chlorobenzene	13.24	112	341713	18.43 ug/L	99
65)	1,1,1,2-Tetrachloroethane	13.32	131	119111	18.58 ug/L	98
66)	Ethylbenzene	13.34	91	523807	18.06 ug/L	100
67)	m,p-Xylene	13.45	106	427577	36.15 ug/L	98
68)	o-Xylene	14.12	106	209048	18.31 ug/L	96
69)	Styrene	14.17	104	367914	18.41 ug/L	97
70)	Bromoform	14.66	173	72944	16.59 ug/L	94
71)	Isopropylbenzene	14.68	105	538187	18.09 ug/L	99
72)	1,1,2,2-Tetrachloroethane	14.94	83	140853	16.01 ug/L	97
74)	1,2,3-Trichloropropane	15.16	75	106721	17.55 ug/L	98
75)	trans-1,4-Dichloro-2-buten	15.29	89	42200	18.53 ug/L #	76
76)	n-Propylbenzene	15.30	91	624268	17.84 ug/L	98
77)	Bromobenzene	15.34	156	120936	18.07 ug/L	93
78)	1,3,5-Trimethylbenzene	15.56	105	420163	18.05 ug/L	100
79)	2-Chlorotoluene	15.56	91	392045	18.43 ug/L	98
80)	4-Chlorotoluene	15.63	91	365288	18.17 ug/L	99
81)	tert-butylbenzene	16.10	119	372730	18.05 ug/L	97
82)	1,2,4-Trimethylbenzene	16.16	105	429955	17.24 ug/L	99
84)	sec-butylbenzene	16.43	105	587666	17.84 ug/L	100
85)	p-isopropyltoluene	16.66	119	461036	17.48 ug/L	96
86)	1,3-Dichlorobenzene	16.78	146	213182	17.50 ug/L	99
88)	1,4-Dichlorobenzene	16.95	146	214030	17.83 ug/L	98
89)	n-butylbenzene	17.30	91	424411	18.15 ug/L	99
90)	1,2-Dichlorobenzene	17.52	146	196385	18.22 ug/L	96
92)	1,2-Dibromo-3-chloropropan	18.75	75	20702	14.84 ug/L	91
94)	1,2,4-Trichlorobenzene	20.16	180	146481	17.81 ug/L	93
95)	Hexachlorobutadiene	20.41	225	71346	17.47 ug/L	92
96)	Naphthalene	20.54	128	334471	16.75 ug/L	99
97)	1,2,3-Trichlorobenzene	20.96	180	129015	17.69 ug/L	96
98)	1,3,5-Trichlorobenzene	19.15	180	188141	21.56 ug/L	100

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76540Q.D Vial: 7
Acq On : 15 Oct 2010 2:41 pm Operator: MT
Sample : LS10150C2,RR Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration



VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

10/19/10

Instrument ID: B
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: B810180B
Spike: 20 PPB ICV3/L810180B3
Spike duplicate: 20 PPB ICV4/L810180B4

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	80	120	15	0.0	17	87		16	82		6	
Chloromethane	20	80	120	15	0.0	17	83		16	79 M	*	5	
Vinyl Chloride	20	80	120	15	0.0	17	85		16	78 M	*	9	
Bromomethane	20	80	120	15	0.0	17	87		16	81		7	
Chloroethane	20	80	120	15	0.0	17	83		16	80		5	
t-Butyl alcohol (TBA)	100	70	130	15	0.0	89	89		89	89		0	
Trichlorofluoromethane	20	80	120	15	0.0	16	82		15	77 M	*	6	
Diethyl ether	20	80	120	15	0.0	20	100		19	96		3	
1,1,2-Trichlorotrifluoroethane	20	80	120	15	0.0	21	106		20	101		4	
Acetone	100	70	130	15	0.0	95	95		94	94		2	
1,1-Dichloroethene	20	80	120	15	0.0	21	105		19	97		7	
Methyl iodide	20	70	130	15	0.0	20	102		20	98		4	
Di-isopropyl ether (DIPE)	20	80	120	15	0.0	20	100		19	95		5	
Methylene Chloride	20	80	120	15	0.0	21	107		20	102		4	
Carbon Disulfide	20	70	130	15	0.0	21	104		19	97		7	
Acrylonitrile	20	70	130	15	0.0	22	109		21	106		3	
Methyl-tert-butyl ether (MTBE)	40	80	120	15	0.0	40	99		39	96		3	
trans-1,2-Dichloroethene	20	80	120	15	0.0	19	94		18	89		6	
1,1-Dichloroethane	20	80	120	15	0.0	20	101		20	98		3	
Vinyl acetate	20	70	130	15	0.0	17	86		17	87		2	
Methyl ethyl ketone	100	70	130	15	0.0	99	99		99	99		0	
Ethyl t-butyl ether (ETBE)	20	80	120	15	0.0	20	100		19	97		2	
2,2-Dichloropropane	20	80	120	15	0.0	21	106		21	103		3	
cis-1,2-Dichloroethene	20	80	120	15	0.0	22	111		22	108		2	
t-Amyl methyl ether (TAME)	20	80	120	15	0.0	20	100		20	98		2	
Chloroform	20	80	120	15	0.0	21	105		20	102		3	
Bromochloromethane	20	80	120	15	0.0	22	112		22	110		2	
Tetrahydrofuran	20	70	130	15	0.0	21	105		20	101		4	
1,1,1-Trichloroethane	20	80	120	15	0.0	21	105		20	100		5	
1,1-Dichloropropene	20	80	120	15	0.0	21	104		20	98		6	
Carbon Tetrachloride	20	80	120	15	0.0	22	109		21	104		4	
1,2-Dichloroethane	20	80	120	15	0.0	19	97		19	94		3	
Benzene	20	80	120	15	0.0	21	103		19	97		6	
Trichloroethene	20	80	120	15	0.0	21	104		20	100		4	
1,2-Dichloropropane	20	80	120	15	0.0	21	104		20	100		3	
Methylmethacrylate	20	70	130	15	0.0	19	97		20	100		3	
Methyl acetate	20	70	130	15	0.0	22	110		22	109		1	
Cyclohexane	20	70	130	15	0.0	22	109		21	107		2	
Bromodichloromethane	20	80	120	15	0.0	21	104		20	102		1	
Dibromomethane	20	80	120	15	0.0	21	104		21	104		0	
1,4-Dioxane	500	70	130	15	0.0	491	98		496	99		1	
Methylcyclohexane	20	70	130	15	0.0	22	110		21	105		5	
2-Hexanone	100	70	130	15	0.0	108	108		107	107		1	
Methyl isobutyl ketone	100	70	130	15	0.0	104	104		105	105		1	
cis-1,3-Dichloropropene	20	80	120	15	0.0	21	107		21	106		2	
Toluene	20	80	120	15	0.0	21	103		20	100		3	
trans-1,3-Dichloropropene	20	80	120	15	0.0	21	103		20	102		0	
1,1,2-Trichloroethane	20	80	120	15	0.0	22	108		21	107		2	
1,3-Dichloropropane	20	80	120	15	0.0	20	102		20	102		0	
Tetrachloroethene	20	80	120	15	0.0	22	108		21	105		3	
Dibromochloromethane	20	80	120	15	0.0	21	106		21	105		1	

Ch2Cl2 MMR 75-125

VOA FORM 3

10/19/10

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: B
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: B810180B
Spike: 20 PPB ICV3/L810180B3
Spike duplicate: 20 PPB ICV4/L810180B4

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
1,2-Dibromoethane	20	80	120	15	0.0	21	107		22	108		1	
Chlorobenzene	20	80	120	15	0.0	20	100		20	100		1	
1,1,1,2-Tetrachloroethane	20	80	120	15	0.0	21	106		21	106		0	
Ethylbenzene	20	80	120	15	0.0	20	101		20	101		0	
m,p-Xylene	40	80	120	15	0.0	40	101		40	99		2	
o-Xylene	20	80	120	15	0.0	20	100		20	100		1	
Styrene	20	80	120	15	0.0	21	106		21	106		0	
Bromoform	20	80	120	15	0.0	22	109		22	109		0	
Isopropylbenzene	20	80	120	15	0.0	21	104		20	101		3	
1,1,2,2-Tetrachloroethane	20	80	120	15	0.0	20	101		21	104		3	
1,2,3-Trichloropropane	20	80	120	15	0.0	19	96		20	98		2	
trans-1,4-Dichloro-2-butene	20	80	120	15	0.0	20	102		20	102		0	
n-Propylbenzene	20	80	120	15	0.0	19	96		19	95		2	
Bromobenzene	20	80	120	15	0.0	20	100		20	100		0	
1,3,5-Trimethylbenzene	20	80	120	15	0.0	21	105		20	102		3	
2-Chlorotoluene	20	80	120	15	0.0	21	103		21	103		1	
4-Chlorotoluene	20	80	120	15	0.0	20	99		19	95		3	
tert-butylbenzene	20	80	120	15	0.0	20	101		20	102		1	
1,2,4-Trimethylbenzene	20	80	120	15	0.0	20	98		20	98		0	
sec-butylbenzene	20	80	120	15	0.0	20	101		19	97		4	
p-isopropyltoluene	20	80	120	15	0.0	21	107		21	104		3	
1,3-Dichlorobenzene	20	80	120	15	0.0	20	100		20	100		0	
1,4-Dichlorobenzene	20	80	120	15	0.0	20	99		19	97		3	
n-butylbenzene	20	80	120	15	0.0	22	111		21	107		4	
1,2-Dichlorobenzene	20	80	120	15	0.0	21	105		21	104		2	
1,2-Dibromo-3-chloropropane	20	80	120	15	0.0	21	106		21	107		1	
1,2,4-Trichlorobenzene	20	80	120	15	0.0	21	104		21	104		1	
Hexachlorobutadiene	20	80	120	15	0.0	21	104		21	104		0	
Naphthalene	20	80	120	15	0.0	21	106		22	110		4	
1,2,3-Trichlorobenzene	20	80	120	15	0.0	21	105		21	105		0	
1,3,5-Trichlorobenzene	20	80	120	15	0.0	20	100		19	95		5	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

VOA FORM 3

Data File : C:\HPCHEM\1\DATA\101810-B\B74546CC.D Vial: 15
Acq On : 18 Oct 2010 3:39 pm Operator: TD
Sample : 20 PPB ICV3/L810180B3 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 16:08 2010 Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

QM 10/19/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.77	168	145539	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.79	114	368053	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.83	117	318228	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.20	152	110766	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	8.14	65	116334	19.08 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 95.40%		
36) d4-1,2-Dichloroethane	8.14	65	116334	19.08 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 95.40%		
54) d8-Toluene	10.82	98	428961	19.82 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 99.10%		
73) Bromofluorobenzene	14.51	95	173842	19.86 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 99.30%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.96	85	131175	17.44 ug/L	100
3) Chloromethane	2.20	50	137135	16.66 ug/L	97
4) Vinyl Chloride	2.35	62	99344	16.99 ug/L	98
5) Bromomethane	2.77	94	32281	17.45 ug/L	98
6) Chloroethane	2.93	64	30279	16.66 ug/L	98
7) t-Butyl alcohol (TBA)	5.28	59	42609	89.26 ug/L	99
8) Trichlorofluoromethane	3.31	101	107873	16.31 ug/L	98
9) Diethyl ether	3.83	74	43441	19.91 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	4.20	101	88436	21.18 ug/L	99
11) Acrolein	4.03	56	52158	76.00 ug/L	99
12) Acetone	4.31	43	156724	95.33 ug/L	99
13) 1,1-Dichloroethene	4.17	96	90339	20.94 ug/L	97
14) Methyl iodide	4.41	142	130875	20.48 ug/L	99
15) Di-isopropyl ether (DIPE)	6.25	45	371054	19.91 ug/L	100
16) Methylene Chloride	5.00	84	122585	21.33 ug/L	96
17) Carbon Disulfide	4.49	76	286714	20.75 ug/L	100
18) Acrylonitrile	5.42	53	40501	21.89 ug/L	96
19) Methyl-tert-butyl ether (M	5.46	73	495884	39.51 ug/L	99
20) trans-1,2-Dichloroethene	5.44	96	99501	18.78 ug/L	97
21) 1,1-Dichloroethane	6.09	63	157486	20.25 ug/L	98
22) Vinyl acetate	6.22	86	14967	17.16 ug/L	92
23) Methyl ethyl ketone	7.02	43	286946	98.65 ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.79	59	274661	19.93 ug/L	99
25) 2,2-Dichloropropane	6.96	77	132186	21.18 ug/L	100
26) cis-1,2-Dichloroethene	6.97	96	132858	22.16 ug/L	99
27) t-Amyl methyl ether (TAME)	8.40	73	255955	20.03 ug/L	97
29) Chloroform	7.45	83	198488	21.04 ug/L	99
30) Bromochloromethane	7.32	128	52139	22.49 ug/L	99
31) Tetrahydrofuran	7.39	71	10607	21.01 ug/L	97
32) 1,1,1-Trichloroethane	7.69	97	146060	20.94 ug/L	98
33) Ethanol	3.74	45	50212	992.68 ug/L	100
34) 1,1-Dichloropropene	7.93	75	127433	20.84 ug/L	97
35) Carbon Tetrachloride	7.93	119	101552	21.77 ug/L	97
37) 1,2-Dichloroethane	8.25	62	120304	19.45 ug/L	99
38) Benzene	8.22	78	382466	20.58 ug/L	98
40) Trichloroethene	9.13	95	114297	20.79 ug/L	97
41) 1,2-Dichloropropane	9.44	63	95824	20.72 ug/L	100
42) Methylmethacrylate	9.62	69	63028	19.45 ug/L	98
43) Methyl acetate	4.87	43	109617	22.00 ug/L	100

MTT 10/19/10

(#) = qualifier out of range (m) = manual integration
B74546CC.D V810180B.M Tue Oct 19 07:42:31 2010

Data File : C:\HPCHEM\1\DATA\101810-B\B74546CC.D Vial: 15
Acq On : 18 Oct 2010 3:39 pm Operator: TD
Sample : 20 PPB ICV3/L810180B3 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 16:08 2010 Quant Results File: V810180B.RES

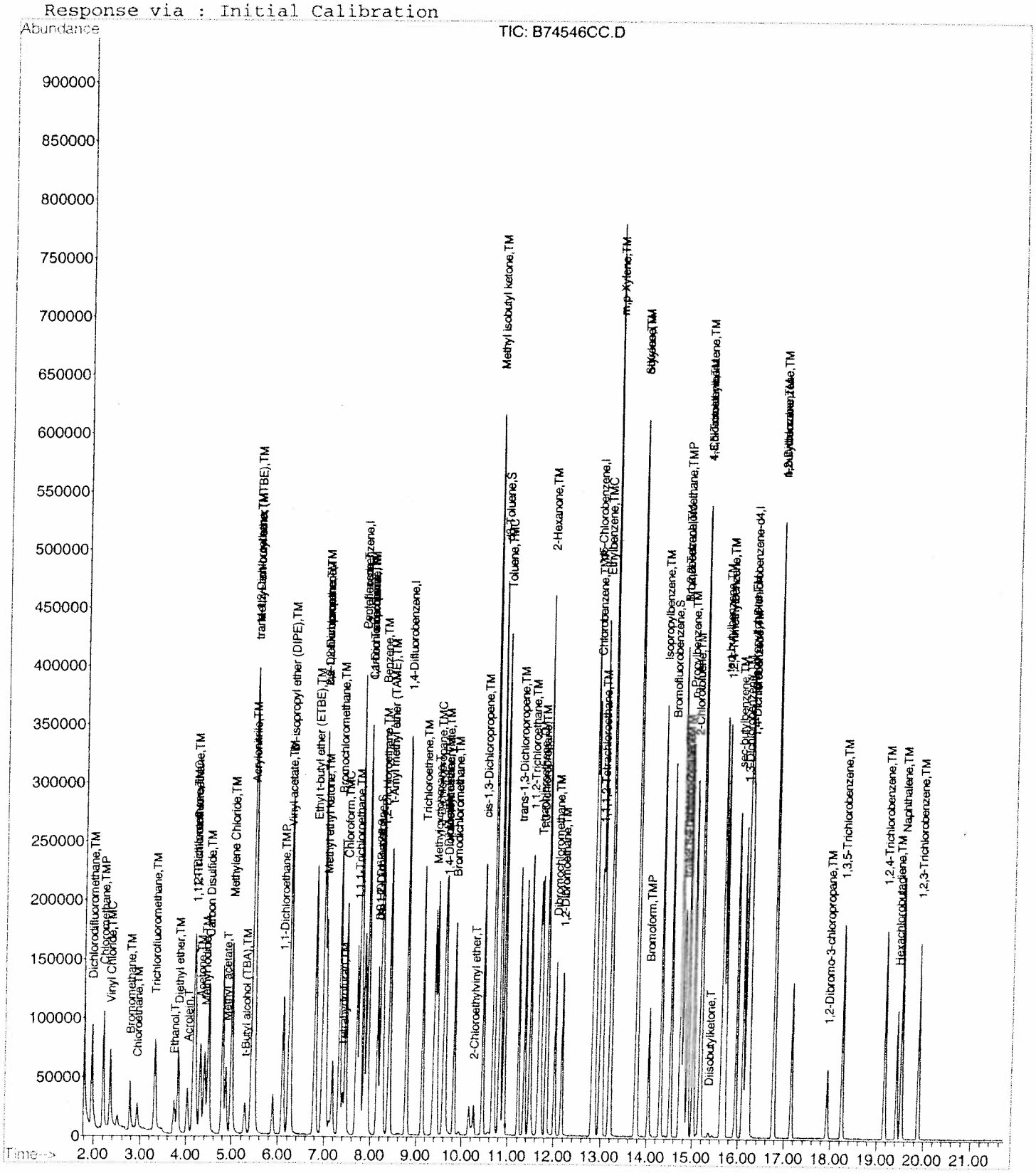
Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) Cyclohexane	7.76	56	121212	21.84 ug/L	99
45) Bromodichloromethane	9.83	83	147361	20.72 ug/L	98
46) Dibromomethane	9.59	93	94311	20.88 ug/L	99
47) 1,4-Dioxane	9.64	88	35231	490.63 ug/L	100
48) Methylcyclohexane	9.39	83	104573	22.07 ug/L	99
50) 2-Chloroethylvinyl ether	10.25	63	12258	888.05 ug/L #	100
51) 2-Hexanone	11.83	58	199986	108.34 ug/L	96
52) Methyl isobutyl ketone	10.67	58	200321	103.89 ug/L	99
53) cis-1,3-Dichloropropene	10.45	75	159652	21.50 ug/L	99
55) Toluene	10.91	92	235925	20.52 ug/L	100
56) trans-1,3-Dichloropropene	11.22	75	142901	20.51 ug/L	98
58) 1,1,2-Trichloroethane	11.48	83	94548	21.67 ug/L	94
59) 1,3-Dichloropropane	11.70	76	156323	20.33 ug/L	98
60) Tetrachloroethene	11.66	166	67185	21.65 ug/L	95
61) Dibromochloromethane	12.02	129	91171	21.22 ug/L	99
62) 1,2-Dibromoethane	12.17	107	123515	21.43 ug/L	99
64) Chlorobenzene	12.87	112	265720	20.10 ug/L	100
65) 1,1,1,2-Tetrachloroethane	12.99	131	67258	21.17 ug/L	99
66) Ethylbenzene	13.03	91	423563	20.19 ug/L	98
67) m,p-Xylene	13.19	106	296863	40.47 ug/L	98
68) o-Xylene	13.77	106	147498	20.06 ug/L	97
69) Styrene	13.78	104	264189	21.17 ug/L	94
70) Bromoform	14.04	173	56070	21.84 ug/L	97
71) Isopropylbenzene	14.30	105	335736	20.78 ug/L	100
72) 1,1,2,2-Tetrachloroethane	14.73	83	146676	20.19 ug/L	100
74) 1,2,3-Trichloropropane	14.79	75	132261	19.12 ug/L	95
75) trans-1,4-Dichloro-2-buten	14.82	89	25530	20.40 ug/L	96
76) n-Propylbenzene	14.89	91	390620	19.25 ug/L	100
77) Bromobenzene	14.73	156	77306	20.03 ug/L #	90
78) 1,3,5-Trimethylbenzene	15.16	105	262119	21.00 ug/L	98
79) 2-Chlorotoluene	15.01	91	262262	20.50 ug/L	99
80) 4-Chlorotoluene	15.17	91	308929	19.73 ug/L	97
81) tert-butylbenzene	15.63	119	223480	20.11 ug/L	95
82) 1,2,4-Trimethylbenzene	15.70	105	268576	19.61 ug/L	100
83) Diisobutylketone	15.36	57	2073	0.20 ug/L #	88
84) sec-butylbenzene	15.95	105	285203	20.24 ug/L	100
85) p-isopropyltoluene	16.17	119	209864	21.30 ug/L	98
86) 1,3-Dichlorobenzene	16.10	146	125135	20.04 ug/L	99
88) 1,4-Dichlorobenzene	16.23	146	128651	19.86 ug/L	98
89) n-butylbenzene	16.77	91	233084	22.17 ug/L	96
90) 1,2-Dichlorobenzene	16.78	146	123360	21.10 ug/L	98
92) 1,2-Dibromo-3-chloropropan	17.93	75	19752	21.21 ug/L	93
94) 1,2,4-Trichlorobenzene	19.17	180	62699	20.90 ug/L	97
95) Hexachlorobutadiene	19.43	225	21728	20.84 ug/L	99
96) Naphthalene	19.52	128	212752	21.16 ug/L	100
97) 1,2,3-Trichlorobenzene	19.89	180	58841	20.92 ug/L	100
98) 1,3,5-Trichlorobenzene	18.25	180	64699	20.01 ug/L	96

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\101810-B\B74546CC.D Vial: 15
Acq On : 18 Oct 2010 3:39 pm Operator: TD
Sample : 20 PPB ICV3/L810180B3 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 16:08 2010 Quant Results File: V810180B.RES

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\101810-B\B74547CC.D Vial: 16
Acq On : 18 Oct 2010 4:23 pm Operator: TD
Sample : 20 PPB ICV4/L810180B4 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 16:32 2010 Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

10/19/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.77	168	148722	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.78	114	370057	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.83	117	313871	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.20	152	111689	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB HOLDER #28	8.14	65	117883	18.92 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery =	94.60%	
36) d4-1,2-Dichloroethane	8.14	65	117883	18.92 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery =	94.60%	
54) d8-Toluene	10.81	98	424388	19.50 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery =	97.50%	
73) Bromofluorobenzene	14.51	95	172352	19.96 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery =	99.80%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.97	85	126588	16.47 ug/L	100
3) Chloromethane	2.20	50	132913	15.81 ug/L	97
4) Vinyl Chloride	2.34	62	93152	15.59 ug/L	99
5) Bromomethane	2.78	94	31152	16.28 ug/L	98
6) Chloroethane	2.93	64	29588	15.92 ug/L	99
7) t-Butyl alcohol (TBA)	5.28	59	43474	89.12 ug/L	98
8) Trichlorofluoromethane	3.32	101	103507	15.31 ug/L	99
9) Diethyl ether	3.83	74	42901	19.24 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	4.20	101	86613	20.29 ug/L	99
11) Acrolein	4.03	56	52923	75.47 ug/L	100
12) Acetone	4.31	43	157451	93.72 ug/L	100
13) 1,1-Dichloroethene	4.17	96	85947	19.49 ug/L	98
14) Methyl iodide	4.40	142	128628	19.69 ug/L	99
15) Di-isopropyl ether (DIPE)	6.25	45	362208	19.02 ug/L	100
16) Methylene Chloride	5.00	84	120159	20.43 ug/L	97
17) Carbon Disulfide	4.48	76	274296	19.43 ug/L	100
18) Acrylonitrile	5.41	53	40140	21.23 ug/L	97
19) Methyl-tert-butyl ether (M	5.46	73	493975	38.51 ug/L	99
20) trans-1,2-Dichloroethene	5.43	96	95859	17.70 ug/L	98
21) 1,1-Dichloroethane	6.09	63	156217	19.66 ug/L	99
22) Vinyl acetate	6.22	86	15590	17.48 ug/L	95
23) Methyl ethyl ketone	7.02	43	293568	98.76 ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.79	59	273974	19.45 ug/L	99
25) 2,2-Dichloropropane	6.96	77	131340	20.59 ug/L	100
26) cis-1,2-Dichloroethene	6.97	96	132905	21.70 ug/L	97
27) t-Amyl methyl ether (TAME)	8.40	73	256351	19.63 ug/L	98
29) Chloroform	7.45	83	196126	20.35 ug/L	99
30) Bromochloromethane	7.31	128	52090	21.98 ug/L	99
31) Tetrahydrofuran	7.38	71	10461	20.28 ug/L	86
32) 1,1,1-Trichloroethane	7.69	97	141950	19.92 ug/L	98
33) Ethanol	3.74	45	50800	982.68 ug/L	99
34) 1,1-Dichloropropene	7.93	75	122843	19.66 ug/L	98
35) Carbon Tetrachloride	7.93	119	99524	20.88 ug/L	100
37) 1,2-Dichloroethane	8.25	62	119062	18.84 ug/L	100
38) Benzene	8.22	78	369251	19.45 ug/L	99
40) Trichloroethene	9.13	95	110512	19.99 ug/L	99
41) 1,2-Dichloropropane	9.43	63	93184	20.04 ug/L	97
42) Methylmethacrylate	9.62	69	65287	20.04 ug/L	94
43) Methyl acetate	4.87	43	109662	21.89 ug/L	98

VMT 10/19/10

(#) = qualifier out of range (m) = manual integration
B74547CC.D V810180B.M Tue Oct 19 07:42:50 2010

Data File : C:\HPCHEM\1\DATA\101810-B\B74547CC.D Vial: 16
Acq On : 18 Oct 2010 4:23 pm Operator: TD
Sample : 20 PPB ICV4/L810180B4 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 16:32 2010 Quant Results File: V810180B.RES

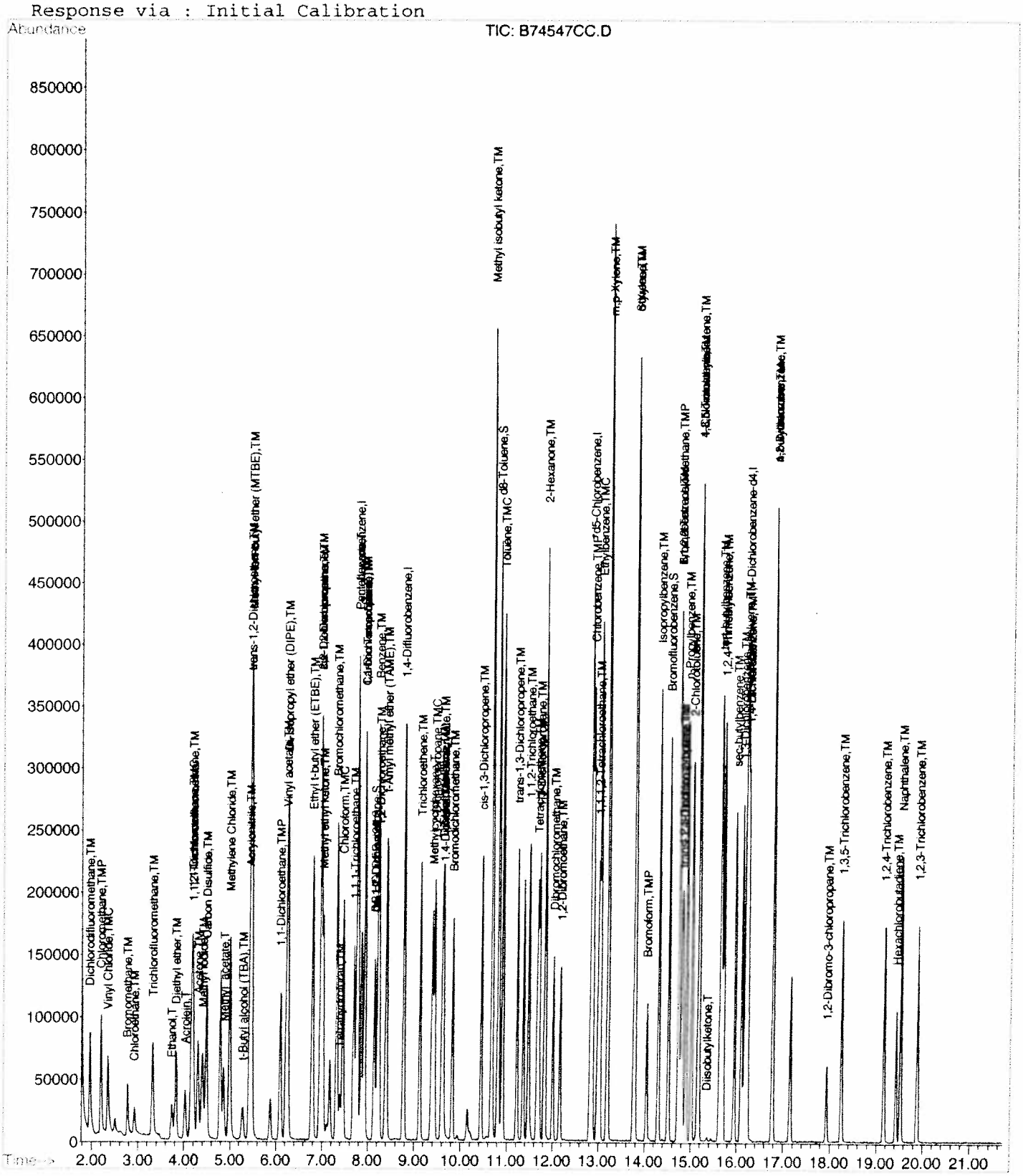
Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	Cyclohexane	7.76	56	119876	21.46 ug/L	99
45)	Bromodichloromethane	9.83	83	146371	20.47 ug/L	99
46)	Dibromomethane	9.59	93	94822	20.88 ug/L	98
47)	1,4-Dioxane	9.64	88	35777	495.53 ug/L	97
48)	Methylcyclohexane	9.38	83	100365	21.07 ug/L	99
50)	2-Chloroethylvinyl ether	10.24	63	138	Below Cal #	100
51)	2-Hexanone	11.83	58	198244	106.81 ug/L	97
52)	Methyl isobutyl ketone	10.67	58	203660	105.05 ug/L	100
53)	cis-1,3-Dichloropropene	10.45	75	157908	21.15 ug/L	100
55)	Toluene	10.90	92	231084	19.99 ug/L	99
56)	trans-1,3-Dichloropropene	11.22	75	143069	20.43 ug/L	99
58)	1,1,2-Trichloroethane	11.48	83	93614	21.34 ug/L	95
59)	1,3-Dichloropropane	11.70	76	157780	20.41 ug/L	98
60)	Tetrachloroethene	11.66	166	65354	20.95 ug/L	96
61)	Dibromochloromethane	12.02	129	90350	20.92 ug/L	98
62)	1,2-Dibromoethane	12.18	107	125403	21.64 ug/L	100
64)	Chlorobenzene	12.87	112	259526	19.90 ug/L	99
65)	1,1,1,2-Tetrachloroethane	12.98	131	66644	21.27 ug/L	98
66)	Ethylbenzene	13.02	91	417452	20.17 ug/L	98
67)	m,p-Xylene	13.20	106	286963	39.67 ug/L	96
68)	o-Xylene	13.76	106	144406	19.91 ug/L	97
69)	Styrene	13.78	104	260458	21.17 ug/L	95
70)	Bromoform	14.04	173	55319	21.85 ug/L	98
71)	Isopropylbenzene	14.30	105	321587	20.18 ug/L	99
72)	1,1,2,2-Tetrachloroethane	14.73	83	149032	20.79 ug/L	99
74)	1,2,3-Trichloropropane	14.80	75	133113	19.51 ug/L	97
75)	trans-1,4-Dichloro-2-buten	14.82	89	25199	20.42 ug/L	94
76)	n-Propylbenzene	14.90	91	378898	18.93 ug/L	99
77)	Bromobenzene	14.73	156	76141	20.00 ug/L	91
78)	1,3,5-Trimethylbenzene	15.15	105	249916	20.30 ug/L	98
79)	2-Chlorotoluene	15.02	91	261020	20.69 ug/L	97
80)	4-Chlorotoluene	15.17	91	294732	19.08 ug/L	98
81)	tert-butylbenzene	15.63	119	223022	20.35 ug/L	93
82)	1,2,4-Trimethylbenzene	15.70	105	263964	19.54 ug/L	99
83)	Diisobutylketone	15.36	57	1715	0.17 ug/L #	90
84)	sec-butylbenzene	15.95	105	269853	19.42 ug/L	99
85)	p-isopropyltoluene	16.17	119	201335	20.72 ug/L	99
86)	1,3-Dichlorobenzene	16.10	146	123423	20.04 ug/L	99
88)	1,4-Dichlorobenzene	16.24	146	126191	19.32 ug/L	97
89)	n-butylbenzene	16.77	91	226773	21.39 ug/L	97
90)	1,2-Dichlorobenzene	16.78	146	122084	20.71 ug/L	98
92)	1,2-Dibromo-3-chloropropan	17.93	75	20073	21.37 ug/L	89
94)	1,2,4-Trichlorobenzene	19.17	180	62678	20.72 ug/L	100
95)	Hexachlorobutadiene	19.42	225	21855	20.79 ug/L	97
96)	Naphthalene	19.52	128	222250	21.93 ug/L	100
97)	1,2,3-Trichlorobenzene	19.89	180	59545	20.99 ug/L	96
98)	1,3,5-Trichlorobenzene	18.25	180	61972	19.01 ug/L	96

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\101810-B\B74547CC.D Vial: 16
Acq On : 18 Oct 2010 4:23 pm Operator: TD
Sample : 20 PPB ICV4/L810180B4 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 16:32 2010 Quant Results File: V810180B.RES

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration



analytics environmental laboratory LLC

IS only V8930 Exp: x 8-11-10

SS+IS V8931 Exp: x 8-11-10

Voltage: 2094

Threshold: 100

GC/MS Volatiles Instrument C: 081010-C

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-C-081010-1-JK							
4	V8081DOC	BFB 50 Ng	5mL	2mL	V8951	✓	C75996T	JK	NA
5		0.2 PPB		0.05mL	V8953 V8941	✓	9751		
6		0.5 PPB		0.125mL		✓	9851		
7		1.0 PPB		0.25mL		✓	9951		
9		2.0 PPB		0.5mL		✓	C76000081		
10		5.0 PPB		1.25mL		✓	0151		
11		20.0 PPB		5mL		✓	0251		
12		50.0 PPB		12.5mL		✓	0351		
13		100.0 PPB		25mL		✓	0451		
14		Blank					05[illegible]		
15		20 PPB ICV		5mL	V8945 V8944	✓	06CC		
16		20 PPB ICV		5mL		✓	07BC		

JK 08.11.10

analytics environmental laboratory LLC

IS only V9088 Exp: 10/27/10

SS+IS V9089 Exp: 10/27/10

101510C

Voltage: 2894

Threshold: 160

GC/MS Volatiles Instrument C:

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-C-101510-1-TD					C		
1	V8081001C	BFB 50ng	5ml	2ml	V9084	✓	C765345	TD	NA
2		20.0		5ml 5ml	V9090 V9092	dichlorodifluoromethane, 1,1,2,2-tetrachloroethane, allow methylene chloride	35		
3		20.0				✓ dichlorodifluoromethane/low oxtinpikes	36		
4		LS10150C	50ml		V9091 V9096 V9082	✓	37		
5		LS10150C2	50ml			✓	38		
6		LS10150C, RR	50ml			✓	39		
7		LS10150C2, RR	50ml			✓	40		
9		Bromoform	5ml	5ml	V9085	✓	41		
10		MB10150C	50ml			✓	42		
11		67967-5	50ml			✓	43		
12		68000-4	50			✓	44		
13		67967-1	50			✓	45		
14		-2	50			✓	46		
15		-3	50			✓	47		
16		-4	50			✓	48		
1		68000-1	~~50ml~~ 5ml			✓	49		
2		67958-1	5			✓	50		<2
3		67959-1	5			✓	51		<2
4		67960-1	5			dilution RR10X	52		<2
5		67995-1, 5X	1ml			RR 5ml	53		<2
6		67995-2	5ml			✓	54		<2
7		67996-1, 100X	50ml			✓	55		<2
8		68018-1	50ml			out of 12hr window	56		<2
10		68018-1, MS	50ml				57		<2
11		68018-1, MSD	50ml				58		<2

MT 10/16/10

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1 12/16/09

[24]

analytics environmental laboratory LLC

10/18/10 B

IS only

SS+IS V9082A

Voltage: 1329

Threshold: 100

Exp:

Exp: 10/20/10

GC/MS Volatiles Instrument B:

Tube	Method	Sample	Vol.	Standards Amt.	Standards Solution	Comments	File #	LB	pH
		W-B-101810-1-TO							
1	V810180B	Blank	5 ml				B74532	TO	NA
2		BFB 50ng	5	2ul	V9084	✓	33T		
3		0.2 ppb	5	.05 ml	V9040 V9107	✓	34SI		
4		0.5	5	.125		✓	35SI		
5		1	5	.25		✓	36SI		
6		2	5	.5		✓	37SI		
7		5	5	1.25		✓	38SI		
8		20	5	5		✓	39SI		
9		50	5	12.5		✓	40SI		
10		100	5	25		✓	41SI		
11		Blank	5			✓	42		
12		Blank	5			✓	43		
13		20ppbICV/L810180B	5	5ml 5ml 5ml	V9091 V9096 V9104	↓gases	44CC		
14		20ppbICV2/L810180B2	5			↓gases	45CC		
15		20ppbICV3/L810180B3	5	5ml 5ml 5ml	V9111 V9104 V9091	New stock made (gases) ✓	46CC		
16		20ppbICV4/L810180B4	5			✓	47CC		
17		Blank	5				48		
18		Bromoform	5	5ml	V9085	✓	49		
19		B810180B	5			✓	50B		
20		67980-16	5			✓	51	<2	
21		68000-3	5			✓	52	<2	
22		67980-13	5			✓	53	<2	
23		-14	5			✓	54	<2	
24		68000-2	5			✓	55	<2	
25		68038-16	5			✓	56	<2	
26		68006-5, MS	5			✓	57SP	<2	
27		-5, MSD	5			✓	58SP	<2	
~~28~~		W-B-101810-2-TO					59		
~~29~~		Blank	5 ml				60 59		
~~30~~ 29		BFB 50ng	5	2ul	V9084		61 60T		
~~31~~ 30		20.0	5	5ml 5ml	V9040 V9107		62 61SC		
~~32~~ 31		L810180B5	5	5ml 5ml	V9111 V9104		63 62Q		
~~33~~ 32		L810180B6	5	5ml	V9091		64 63Q		
~~34~~ 33		Blank	5				65 64		
~~35~~ 34		Blank	5				66 65		
~~36~~ 35		B810180B2	5				66B		

cont. next page

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG: 68000
BFB File ID: C75996T.D
BFB Injection Date: 08/10/10
BFB Injection Time: 11:05

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
0.2 PPB	C75997SI.D	8/10/10 11:40
0.5 PPB	C75998SI.D	8/10/10 12:13
1.0 PPB	C75999SI.D	8/10/10 12:55
2.0 PPB	C76000SI.D	8/10/10 13:29
5.0 PPB	C76001SI.D	8/10/10 14:07
20.0 PPB	C76002SI.D	8/10/10 14:39
50.0 PPB	C76003SI.D	8/10/10 15:08
100.0 PPB	C76004SI.D	8/10/10 15:14
20 PPB ICV	C76006CC.D	8/10/10 16:35
20 PPB ICV2	C76007CC.D	8/10/10 17:08

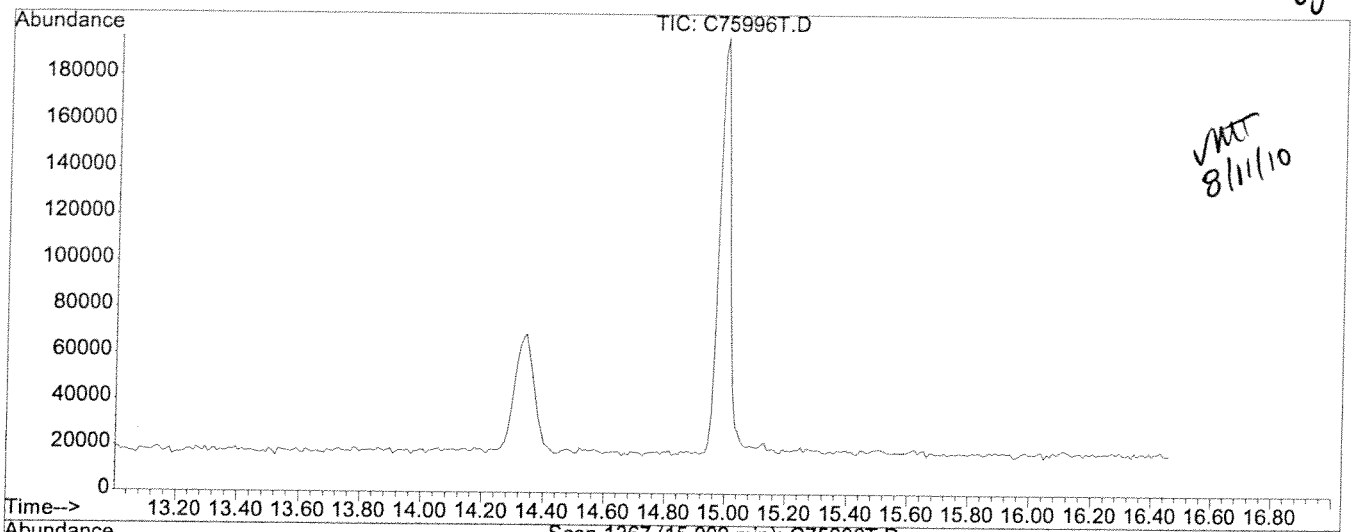
Refer to the BFB report C75996T.D for ion ratio evaluation.

VOA FORM 5

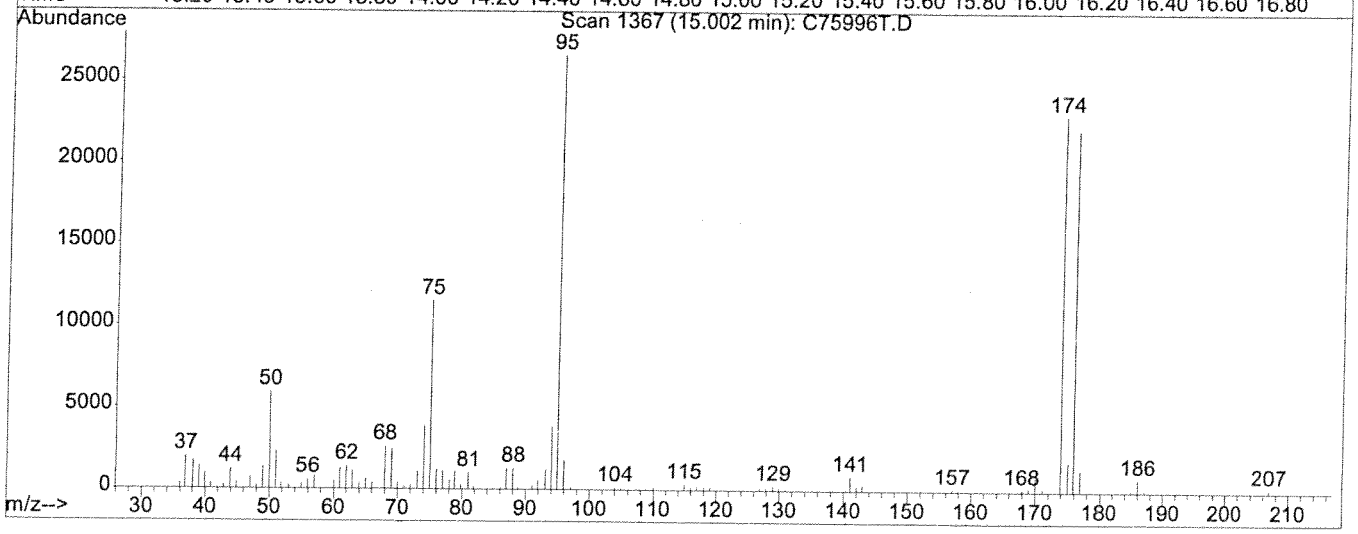
BFB

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75996T.D Vial: 4
Acq On : 10 Aug 2010 11:05 am Operator: JK
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator
Title : 8260 Purgable Organics

JL 08/10/10



VMT 8/11/10



Spectrum Information: Scan 1367

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.2	5911	PASS
75	95	30	60	43.3	11499	PASS
95	95	100	100	100.0	26584	PASS
96	95	5	9	6.8	1798	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.4	22960	PASS
175	174	5	9	7.9	1821	PASS
176	174	95	101	96.2	22096	PASS
177	176	5	9	5.9	1310	PASS

C75996T.D V808100C.M Tue Aug 10 11:07:26 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG: 68000
BFB File ID: C76534T.D
BFB Injection Date: 10/15/10
BFB Injection Time: 11:11

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
20 PPB	C76536SC.D	10/15/10 12:03
LS10150C,RR	C76539Q.D	10/15/10 14:25
LS10150C2,RR	C76540Q.D	10/15/10 14:41
MB10150C	C76542.D	10/15/10 15:43
68000-4	C76544.D	10/15/10 16:49
68000-1	C76549.D	10/15/10 19:21

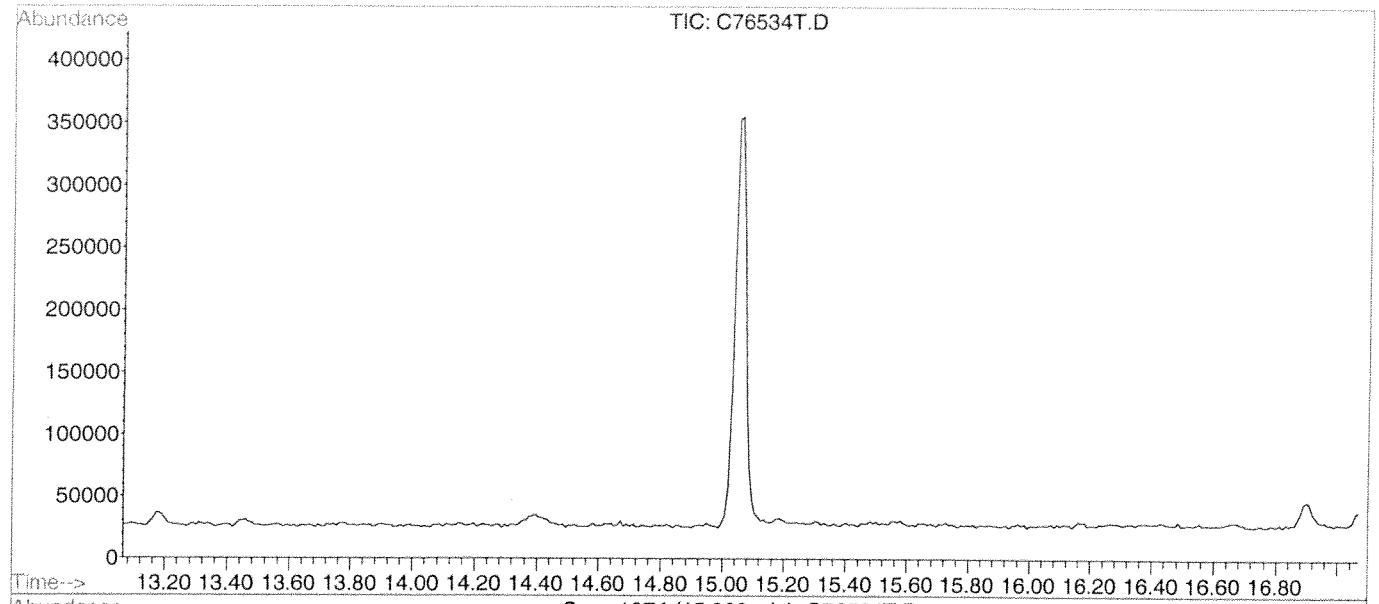
Refer to the BFB report C76534T.D for ion ratio evaluation.

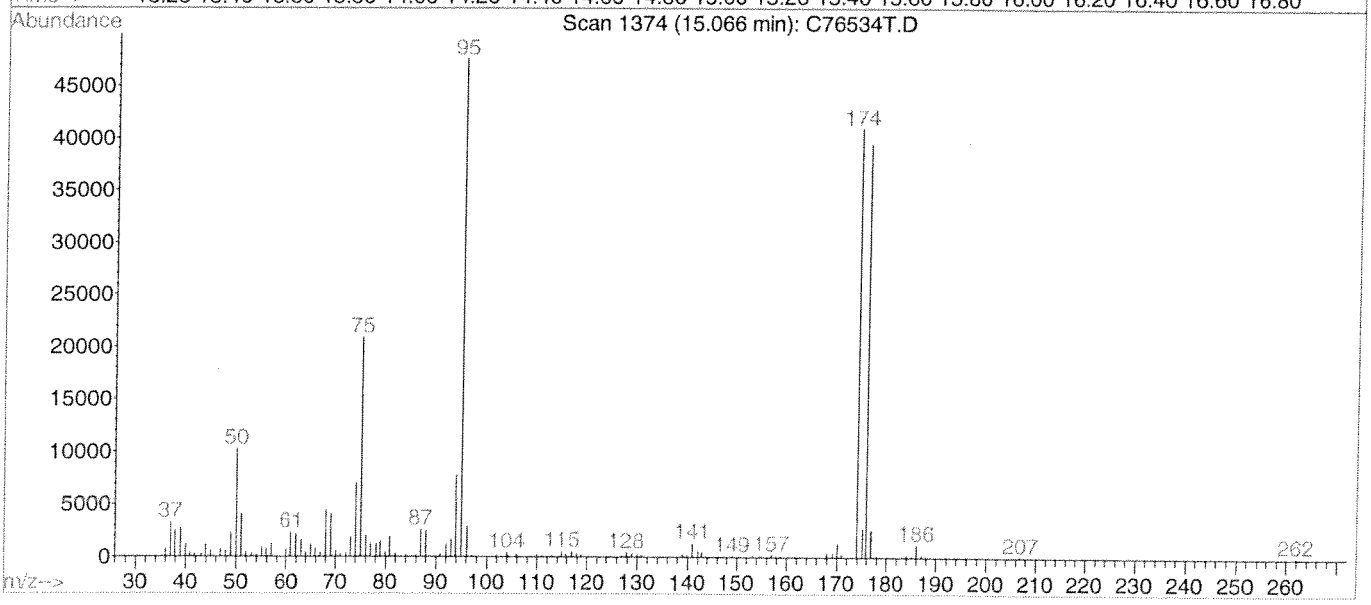
VOA FORM 5

BFB

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76534T.D Vial: 1
Acq On : 15 Oct 2010 11:11 am Operator: MT
Sample : BFB 50 NG Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics

10/18/10





Spectrum Information: Scan 1374

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	10237	PASS
75	95	30	60	43.9	20856	PASS
95	95	100	100	100.0	47552	PASS
96	95	5	9	6.0	2860	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	86.1	40960	PASS
175	174	5	9	6.4	2640	PASS
176	174	95	101	96.3	39456	PASS
177	176	5	9	6.4	2525	PASS

VMT 10/18/10

C76534T.D V808100C.M Sat Oct 16 12:59:10 2010

VOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Instrument ID: B
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated Purge (Y/N): N

SDG: 68000
BFB File ID: B74533T.D
BFB Injection Date: 10/18/10
BFB Injection Time: 9:51

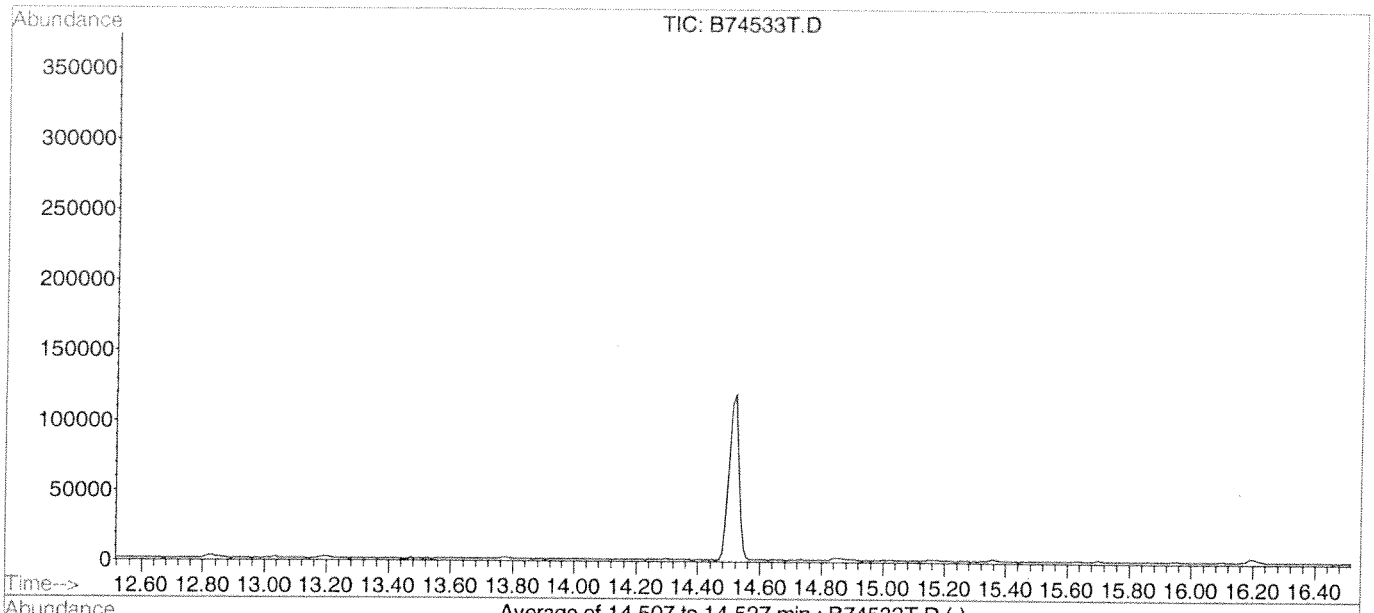
LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED	
0.2 PPB	B74534SI.D	10/18/10	10:14
0.5 PPB	B74535SI.D	10/18/10	10:43
1.0 PPB	B74536SI.D	10/18/10	11:13
2.0 PPB	B74537SI.D	10/18/10	11:42
5.0 PPB	B74538SI.D	10/18/10	12:11
20 PPB	B74539SI.D	10/18/10	12:26
50 PPB	B74540SI.D	10/18/10	12:55
100 PPB	B74541SI.D	10/18/10	13:24
20 PPB ICV3/L810180B3	B74546CC.D	10/18/10	15:39
20 PPB ICV4/L810180B4	B74547CC.D	10/18/10	16:23
B810180B	B74550.D	10/18/10	17:45
68000-3	B74552.D	10/18/10	18:44
68000-2	B74555.D	10/18/10	19:57

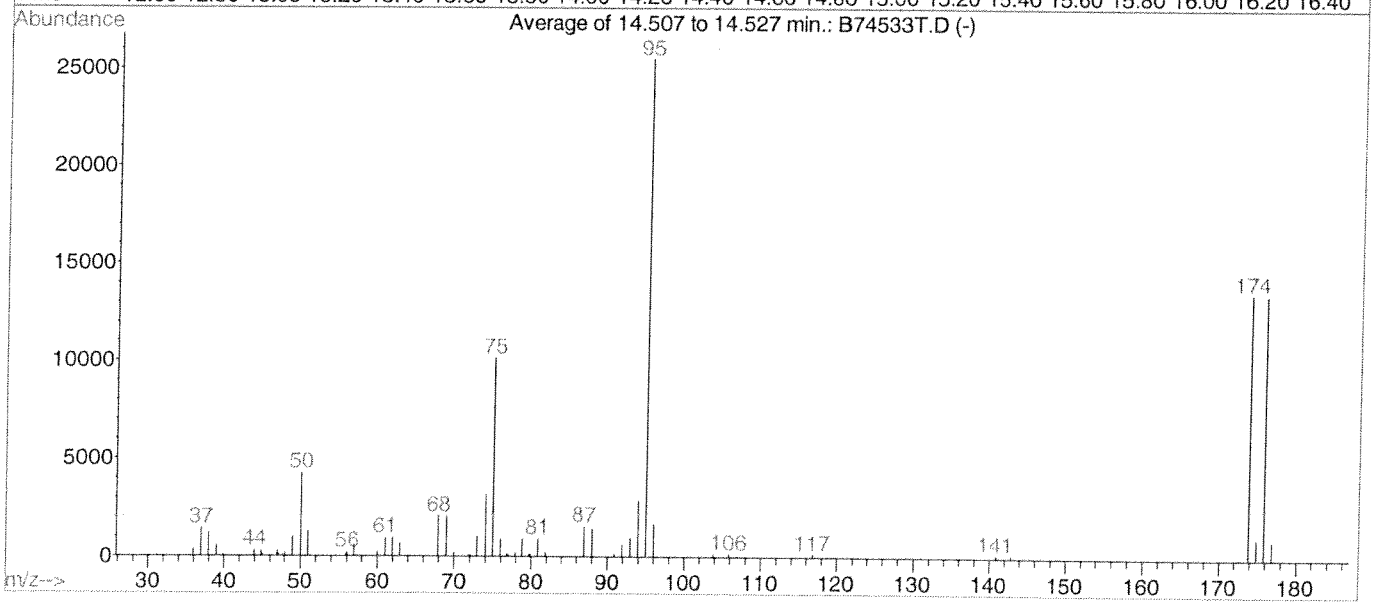
Refer to the BFB report B74533T.D for ion ratio evaluation.

VOA FORM 5

Data File : C:\HPCHEM\1\DATA\101810-B\B74533T.D Vial: 2
Acq On : 18 Oct 2010 9:51 am Operator: TD
Sample : BFB 50NG Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics

TD 10/18/10





AutoFind: Scans 1291, 1292, 1293; Background Corrected with Scan 1284

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.6	4227	PASS
75	95	30	60	39.7	10106	PASS
95	95	100	100	100.0	25485	PASS
96	95	5	9	6.5	1660	PASS
173	174	0.00	2	0.3	35	PASS ✓
174	95	50	100	53.0	13515	PASS
175	174	5	9	7.6	1028	PASS
176	174	95	101	99.5	13447	PASS
177	176	5	9	6.9	922	PASS

YMT 10/19/10

B74533T.D V810180B.M Tue Oct 19 07:40:21 2010

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	---ISTD---							
2)	TM	Dichlorodifluoromet	0.928	0.735	0.729	0.730	0.722	0.700	0.757	11.16
3)	TMP	Chloromethane	1.420	0.977	1.073	0.990	1.014		1.195	24.77
4)	TMC	Vinyl Chloride	0.952	0.752	0.756	0.722	0.732	0.681	0.766	12.41
5)	TM	Bromomethane	0.626	0.365	0.424	0.580	0.638	0.637	0.522	23.92
6)	TM	Chloroethane	0.624	0.575	0.585	0.553	0.579	0.561	0.579	4.27
7)	TM	t-Butyl alcohol (TB	0.090	0.073	0.072	0.062	0.071	0.065	0.072#	13.43
8)	TM	Trichlorofluorometh	1.247	1.042	1.129	1.166	1.156	1.124	1.175	8.75
9)	TM	Diethyl ether	0.318	0.309	0.277	0.356	0.331	0.328	0.315	8.53
10)	TM	1,1,2-Trichlorotrif	0.666	0.667	0.591	0.639	0.604	0.602	0.650	10.07
11)	T	Acrolein	0.071	0.052	0.032	0.042	0.043	0.042	0.047#	28.02
12)	TM	Acetone	0.369	0.311	0.267	0.269	0.258	0.251	0.315	26.71
13)	TMC	1,1-Dichloroethene	0.696	0.665	0.538	0.592	0.569	0.566	0.604	10.31
14)	TM	Methyl iodide	0.428	0.420	0.389	0.626	0.545		0.481	20.83
15)	TM	Di-isopropyl ether	3.354	2.840	2.528	2.879	2.759	2.818	2.967	12.50
16)	TM	Methylene Chloride	1.157	1.081	0.691	0.694	0.680	0.672	0.829	27.25
[illegible])	TM	Carbon Disulfide	2.164	2.129	1.859	2.117	1.984	2.011	2.044	5.62
18)	TM	Acrylonitrile	0.299	0.337	0.322	0.329	0.330	0.318	0.323	4.13
19)	TM	Methyl-tert-butyl e	1.140	1.170	1.443	1.527	1.545	1.493	1.398	12.12
20)	TM	trans-1,2-Dichloroe	1.220	1.085	0.892	1.015	0.978	0.965	1.029	10.17
21)	TMP	1,1-Dichloroethane	1.675	1.298	1.132	1.236	1.194	1.177	1.344	17.78
22)	TM	Vinyl acetate	1.297	0.991	1.038	1.314	1.399	1.394	1.252	13.33
23)	TM	Methyl ethyl ketone	0.079	0.063	0.065	0.071	0.069	0.066	0.072#	12.46
24)	TM	Ethyl t-butyl ether	2.426	2.109	1.861	2.152	2.081	2.105	2.176	10.04
25)	TM	2,2-Dichloropropane	0.922	0.657	0.695	0.749	0.765	0.773	0.775	11.88
26)	TM	cis-1,2-Dichloroeth	0.867	0.780	0.639	0.747	0.701	0.691	0.737	10.82
27)	TM	t-Amyl methyl ether	1.938	1.816	1.523	1.710	1.652	1.674	1.789	12.65
28)	S	DB Holder #28	0.779	0.742	0.764	0.795	0.763	0.725	0.760	2.84
29)	TMC	Chloroform	1.409	1.213	1.043	1.185	1.120	1.113	1.211	11.69
30)	TM	Bromochloromethane	0.589	0.377	0.325	0.331	0.313	0.309	0.396	29.04
31)	TM	Tetrahydrofuran	0.123	0.136	0.115	0.085	0.082	0.078	0.103	23.91
32)	TM	1,1,1-Trichloroetha	1.085	0.903	0.843	0.968	0.922	0.898	0.945	8.37
33)	T	Ethanol	0.016	0.012	0.012	0.013	0.012	0.012	0.013#	12.33
34)	TM	1,1-Dichloropropene	1.154	1.000	0.820	0.928	0.902	0.878	0.947	12.42
35)	TM	Carbon Tetrachlorid	0.549	0.545	0.485	0.603	0.618	0.620	0.563	9.16
36)	S	d4-1,2-Dichloroetha	0.780	0.746	0.764	0.795	0.763	0.725	0.760	2.83
37)	TM	1,2-Dichloroethane	1.005	0.871	0.892	0.925	0.885	0.859	0.906	5.87
38)	TM	Benzene	2.793	2.402	2.144	2.379	2.276	2.309	2.460	11.57
39)	I	1,4-Difluorobenzene	---ISTD---							
40)	TM	Trichloroethene	0.566	0.424	0.357	0.385	0.346	0.340	0.432	25.45
[illegible])	TMC	1,2-Dichloropropane	0.417	0.351	0.317	0.345	0.340	0.324	0.349	10.21
[illegible])	TM	Methylmethacrylate	0.272	0.295	0.240	0.243	0.235	0.230	0.252	10.13

(#) = Out of Range ### Number of calibration levels exceeded format ###
V808100C.M Tue Aug 10 16:11:54 2010 Page 1

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
43)	T	Methyl acetate	0.794	0.560	0.412	0.488	0.462	0.445	0.527	~~26.59~~
44)	T	Cyclohexane	0.651	0.617	0.537	0.578	0.533	0.514	0.572	9.35
45)	TM	Bromodichloromethan	0.449	0.422	0.360	0.419	0.401	0.389	0.407	7.50
46)	TM	Dibromomethane	0.366	0.303	0.246	0.252	0.229	0.206	0.267	~~21.78~~
47)	TM	1,4-Dioxane	0.005	0.005	0.004	0.004	0.004	0.004	0.004#	5.02
48)	T	Methylcyclohexane	0.587	0.535	0.471	0.517	0.489	0.496	0.516	8.01
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl	0.222	0.193	0.175	0.187	0.210	0.168	0.198	11.31
51)	TM	2-Hexanone	0.157	0.139	0.130	0.143	0.138	0.133	0.145	10.31
52)	TM	Methyl isobutyl ket	0.174	0.147	0.137	0.151	0.142	0.138	0.148	9.40
53)	TM	cis-1,3-Dichloropro	0.603	0.562	0.474	0.555	0.532	0.498	0.537	8.61
54)	S	d8-Toluene	1.092	1.104	1.098	1.111	1.101	1.087	1.103	0.96
55)	TMC	Toluene	0.887	0.822	0.684	0.778	0.737	0.727	0.773	9.48
56)	TM	trans-1,3-Dichlorop	0.568	0.510	0.440	0.517	0.498	0.499	0.505	8.12
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.269	0.261	0.221	0.261	0.247	0.242	0.250	7.00
59)	TM	1,3-Dichloropropane	0.662	0.563	0.457	0.529	0.497	0.492	0.544	13.18
60)	TM	Tetrachloroethene	0.384	0.371	0.386	0.352	0.332	0.332	0.369	9.27
61)	TM	Dibromochloromethan	0.357	0.355	0.301	0.366	0.361	0.353	0.372	12.91
62)	TM	1,2-Dibromoethane	0.384	0.364	0.318	0.377	0.364	0.352	0.385	13.15
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	1.140	1.044	0.907	1.002	0.947	0.966	1.040	12.30
65)	TM	1,1,1,2-Tetrachloro	0.394	0.347	0.323	0.354	0.337	0.344	0.360	9.50
66)	TMC	Ethylbenzene	1.790	1.638	1.435	1.568	1.480	1.489	1.627	12.30
67)	TM	m,p-Xylene	0.730	0.662	0.577	0.641	0.602	0.602	0.664	13.48
68)	TM	o-Xylene	0.702	0.659	0.573	0.636	0.583	0.584	0.641	10.36
69)	TM	Styrene	1.202	1.082	0.999	1.096	1.042	1.039	1.121	11.98
70)	TMP	Bromoform	0.170	0.192	0.188	0.246	0.250	0.257	0.212	~~17.56~~
71)	TM	Isopropylbenzene	1.764	1.726	1.487	1.630	1.528	1.521	1.669	11.39
72)	TMP	1,1,2,2-Tetrachloro	0.525	0.500	0.431	0.482	0.455	0.435	0.494	13.76
73)	S	Bromofluorobenzene	0.471	0.478	0.477	0.477	0.463	0.459	0.471	1.59
74)	TM	1,2,3-Trichloroprop	0.481	0.382	0.332	0.360	0.338	0.326	0.370	~~15.71~~
75)	TM	trans-1,4-Dichloro-	0.140	0.133	0.109	0.134	0.126	0.124	0.128	8.43
76)	TM	n-Propylbenzene	2.153	2.020	1.731	1.905	1.782	1.750	1.963	12.59
77)	TM	Bromobenzene	0.416	0.364	0.342	0.371	0.351	0.348	0.375	9.76
78)	TM	1,3,5-Trimethylbenz	1.505	1.385	1.204	1.306	1.221	1.213	1.306	9.21
79)	TM	2-Chlorotoluene	1.336	1.229	1.111	1.210	1.146	1.127	1.193	7.04
80)	TM	4-Chlorotoluene	1.288	1.131	0.994	1.120	1.038	1.038	1.128	10.52
81)	TM	tert-butylbenzene	1.302	1.198	1.016	1.145	1.043	1.020	1.158	12.52
82)	TM	1,2,4-Trimethylbenz	1.604	1.417	1.252	1.375	1.265	1.250	1.399	11.63
83)	T	Diisobutylketone	1.098	1.027	0.883	0.962	0.908	0.863	0.990	12.24
84)	TM	sec-butylbenzene	2.024	1.892	1.655	1.808	1.684	1.652	1.848	11.63
85)	TM	p-isopropyltoluene	1.663	1.477	1.281	1.444	1.341	1.319	1.479	13.56

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report Instr_C

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integra
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

Calibration Files
1 =C75999SI.D 2 =C76000SI.D 5 =C76001SI.D
20 =C76002SI.D 50 =C76003SI.D 100 =C76004SI.D

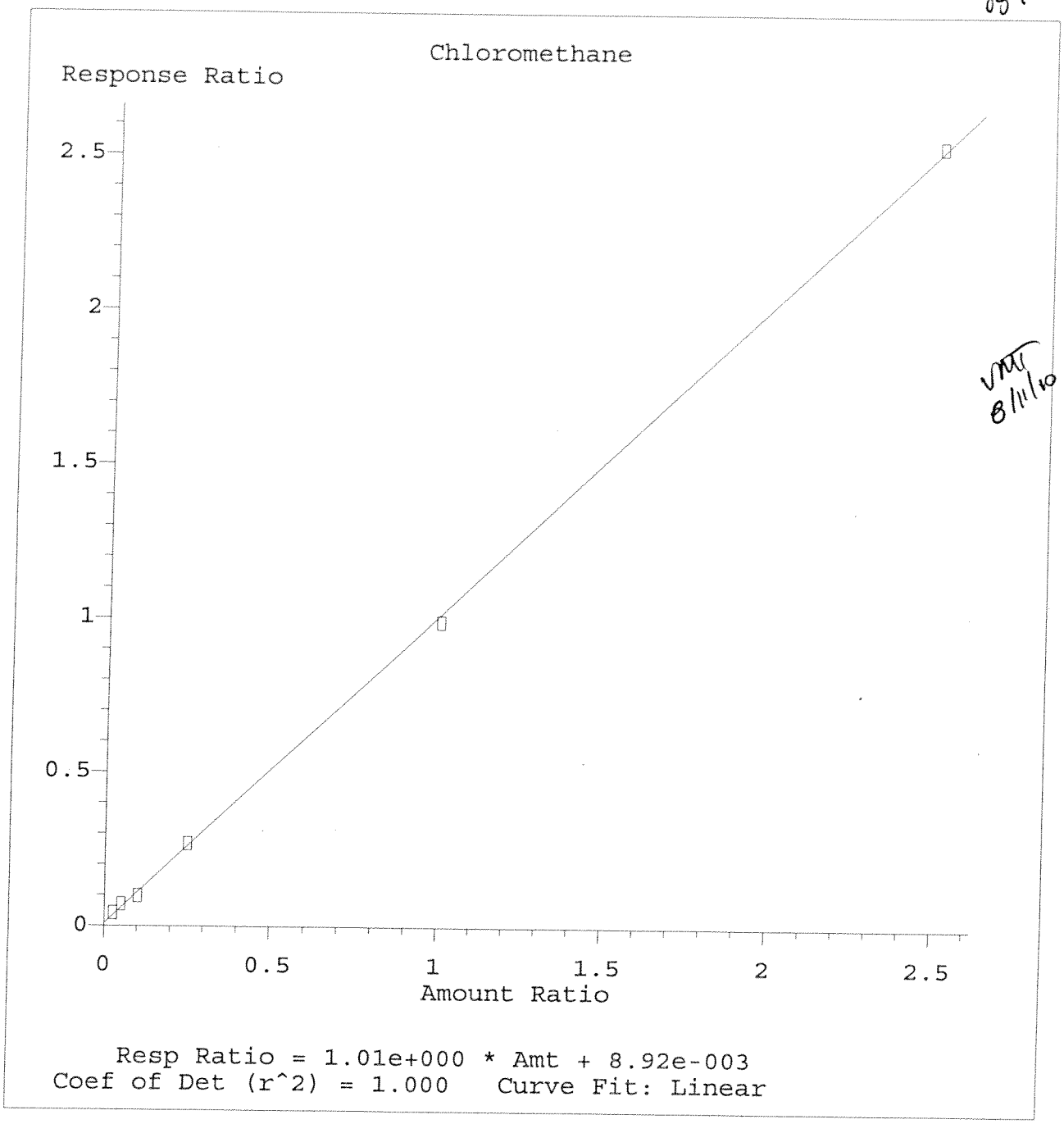
08/11/10

		Compound	1	2	5	20	50	100	Avg	%RSD
86)	TM	1,3-Dichlorobenzene	0.754	0.731	0.599	0.660	0.627	0.611	0.683	11.50
87)	I	1,4-Dichlorobenzene-d	----------	----------	----------	ISTD	----------	----------	----------	
88)	TM	1,4-Dichlorobenzene	1.742	1.632	1.405	1.578	1.461	1.489	1.607	11.63
89)	TM	n-butylbenzene	3.415	3.118	2.755	3.100	2.864	2.925	3.130	10.95
90)	TM	1,2-Dichlorobenzene	1.596	1.500	1.275	1.447	1.331	1.334	1.444	9.44
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.305	0.237	0.198	0.186	0.182	0.177	0.214	~~22.99~~
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	1.187	1.128	1.000	1.130	1.008	0.971	1.102	10.41
95)	TM	Hexachlorobutadiene	0.626	0.574	0.469	0.547	0.489	0.489	0.547	12.35
96)	TM	Naphthalene	2.965	2.783	2.498	2.806	2.606	2.388	2.674	8.04
97)	TM	1,2,3-Trichlorobenz	1.120	0.980	0.874	1.005	0.921	0.842	0.977	10.84
98)	TM	1,3,5-Trichlorobenz	1.182	1.259	1.035	1.183	1.053	1.055	1.168	11.65

VMT 8/11/10

(#) = Out of Range ### Number of calibration levels exceeded format ###
V808100C.M Tue Aug 10 16:11:54 2010 Page 3

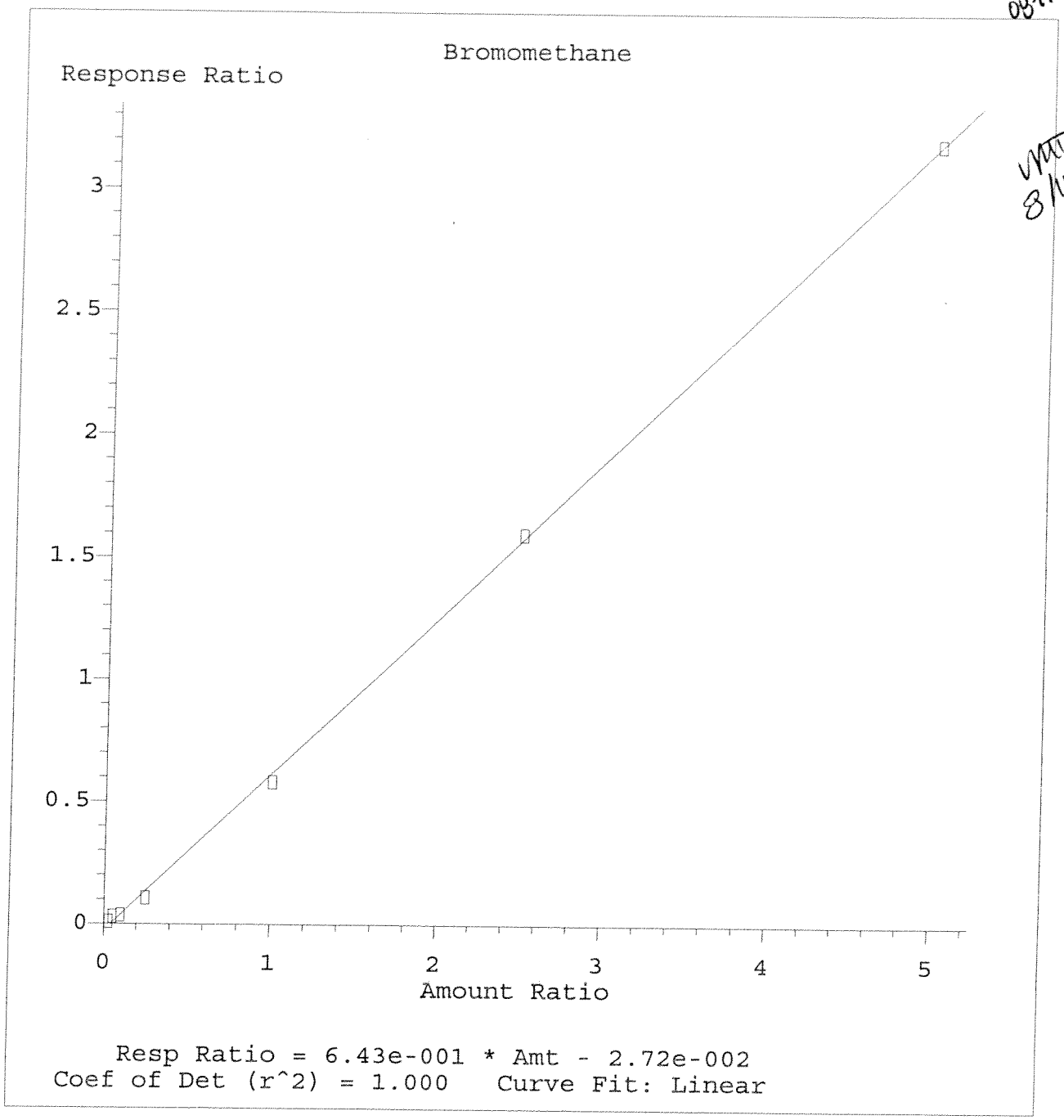
JL
08-11-10



VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:07 2010

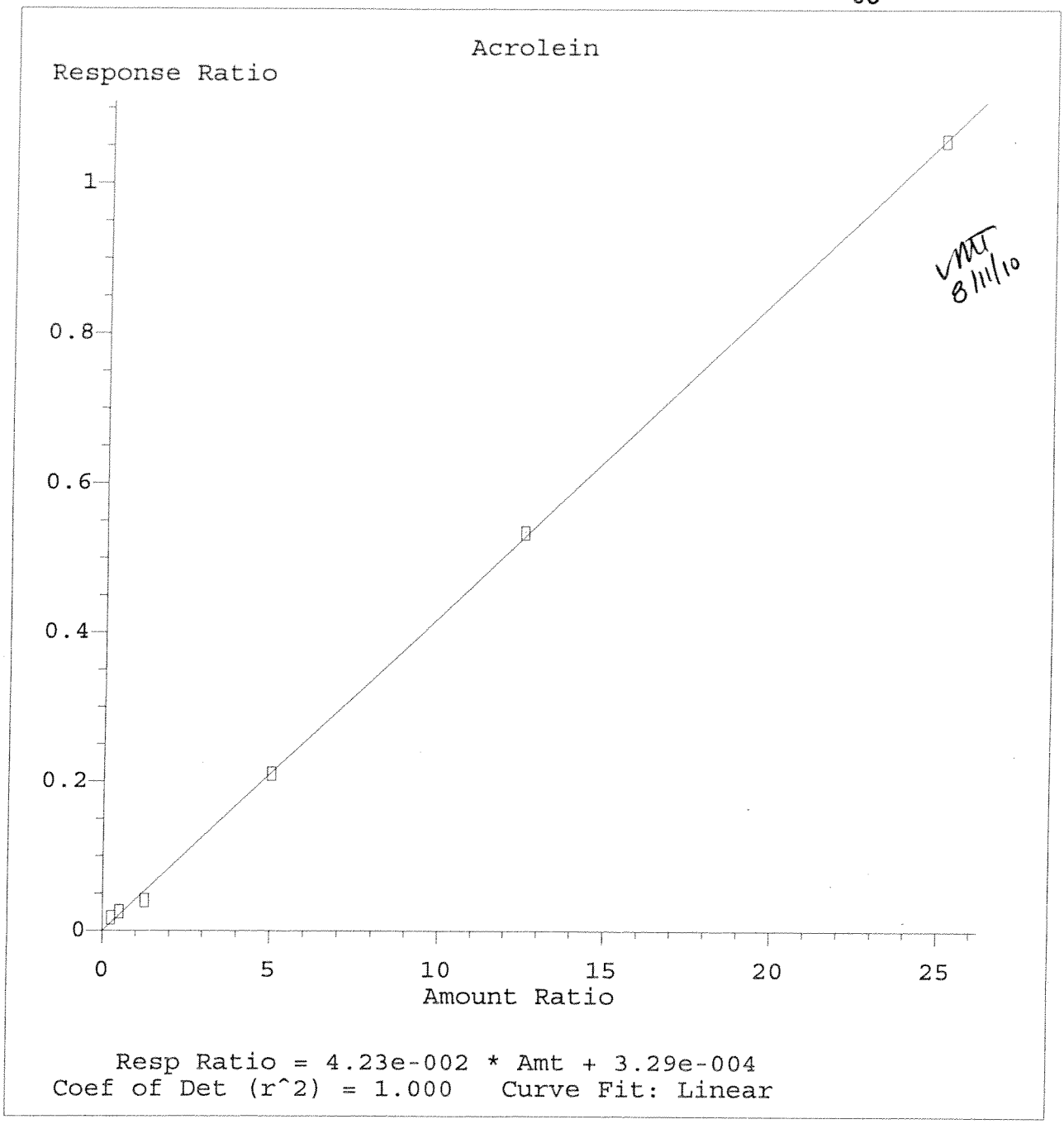
JL 08-11-10



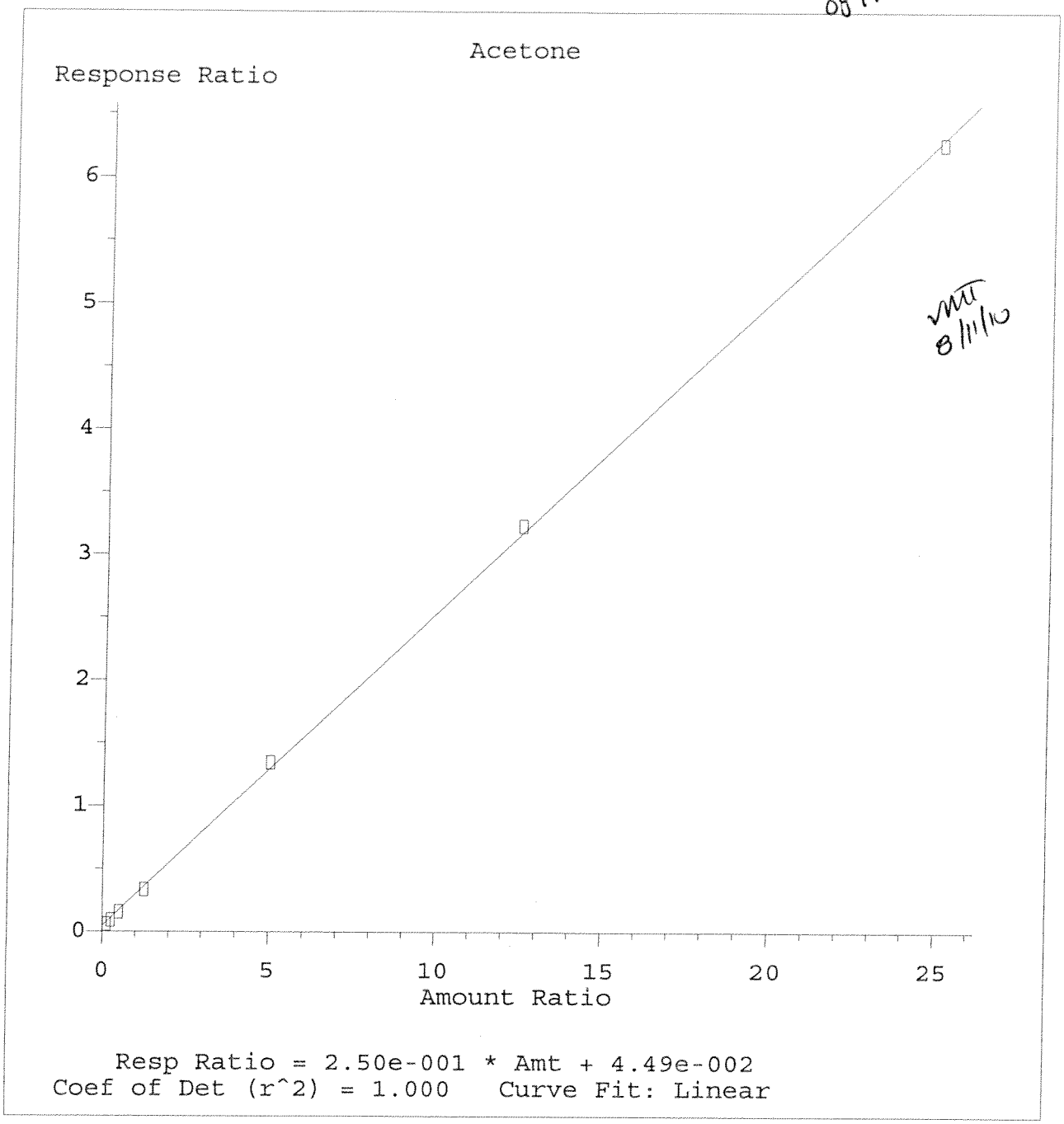
VMT 8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:38:59 2010

JL 08/11/10

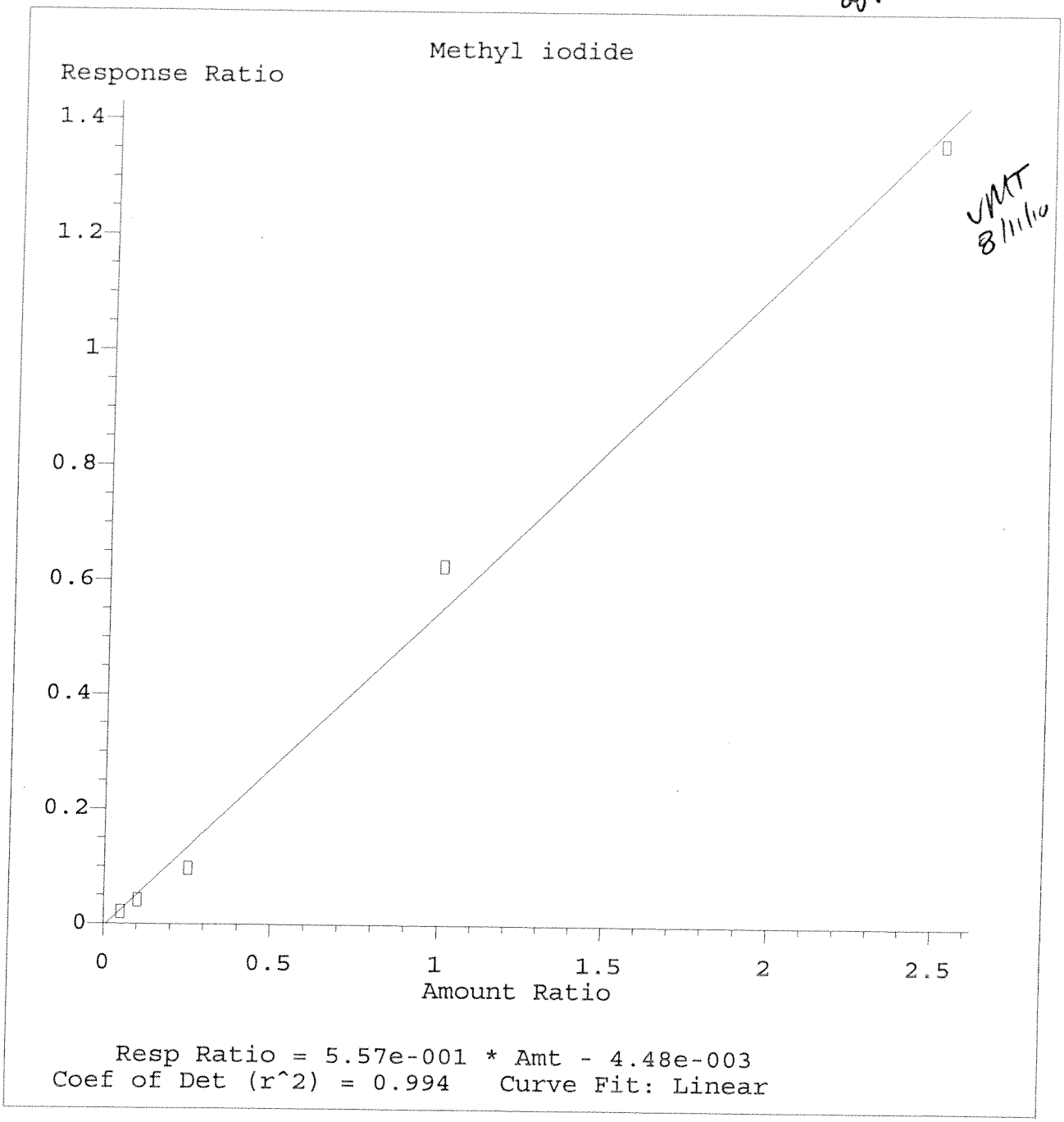


Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:01 2010



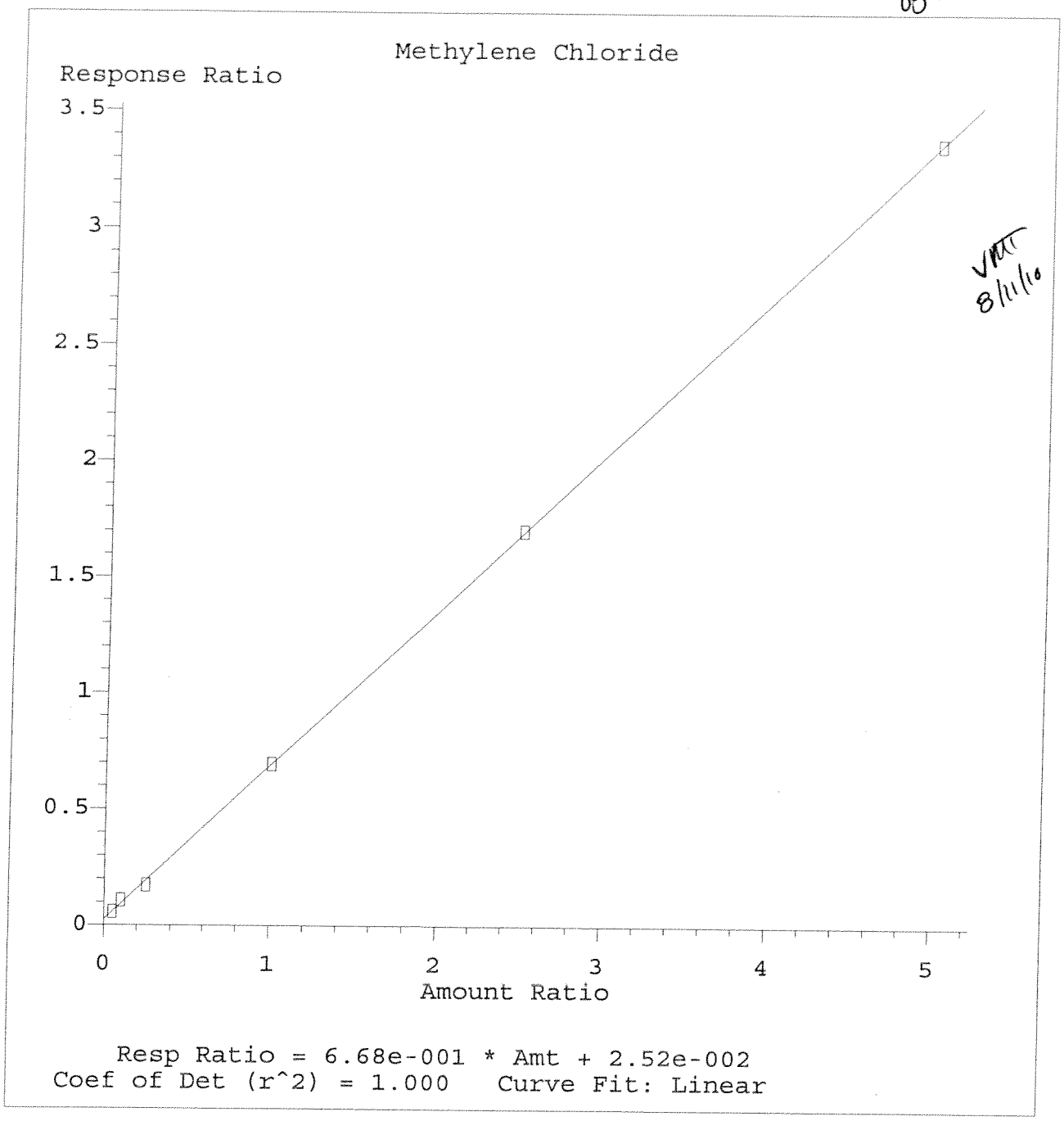
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:40:19 2010

JL 08/11/10



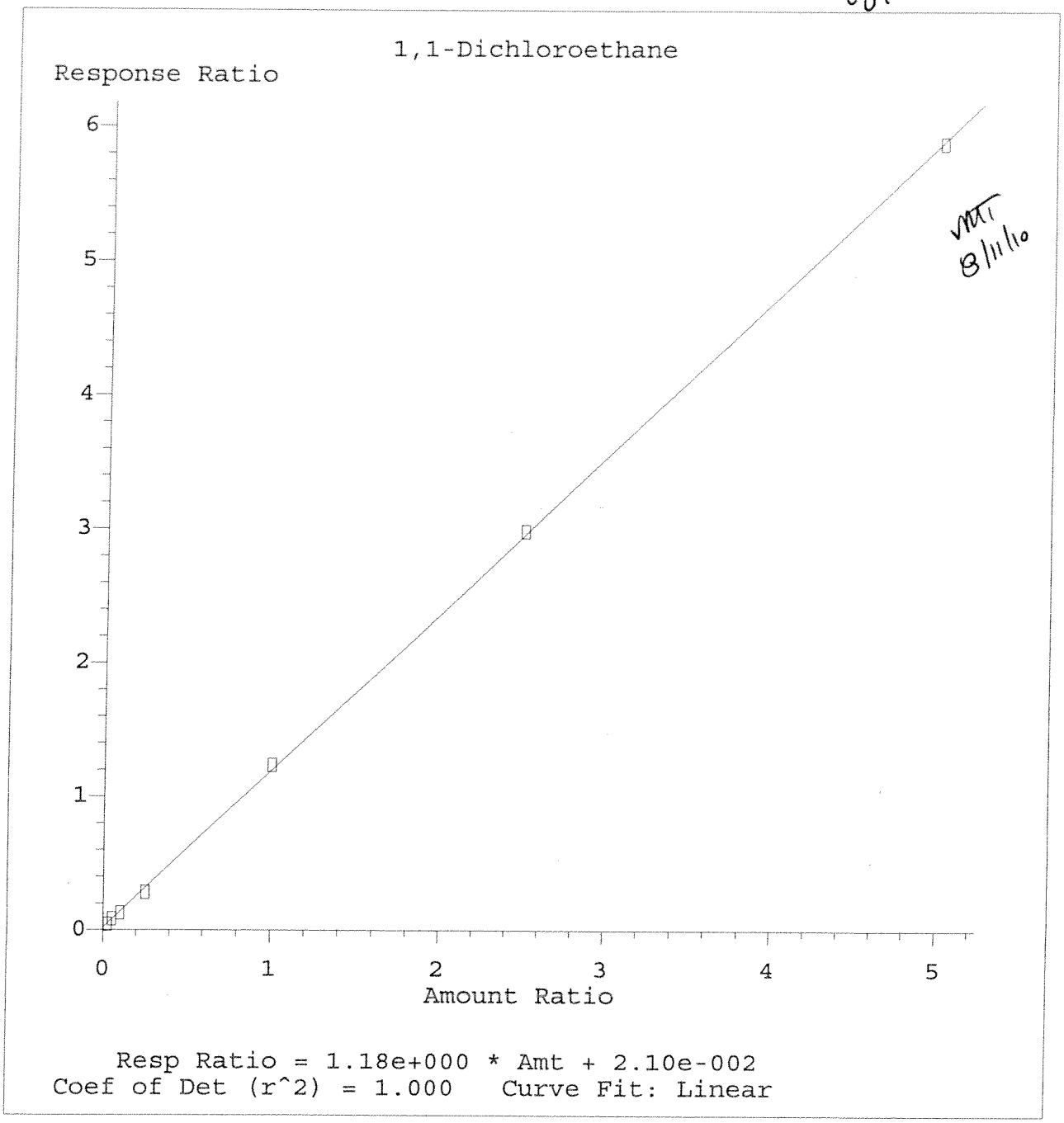
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 15:42:36 2010

JL
08-11-10



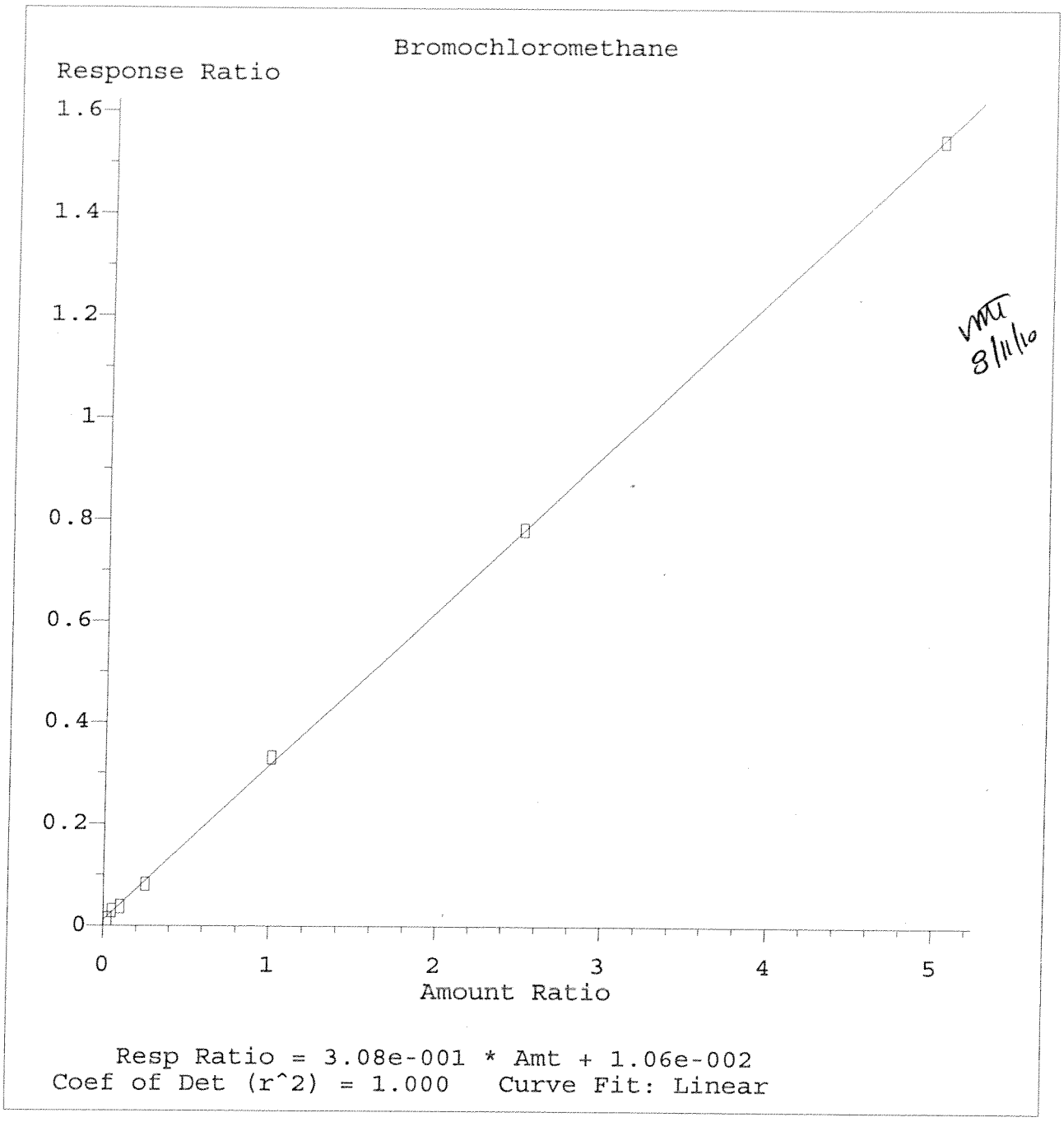
Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:00:45 2010

JL
08/11/10



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:02:07 2010

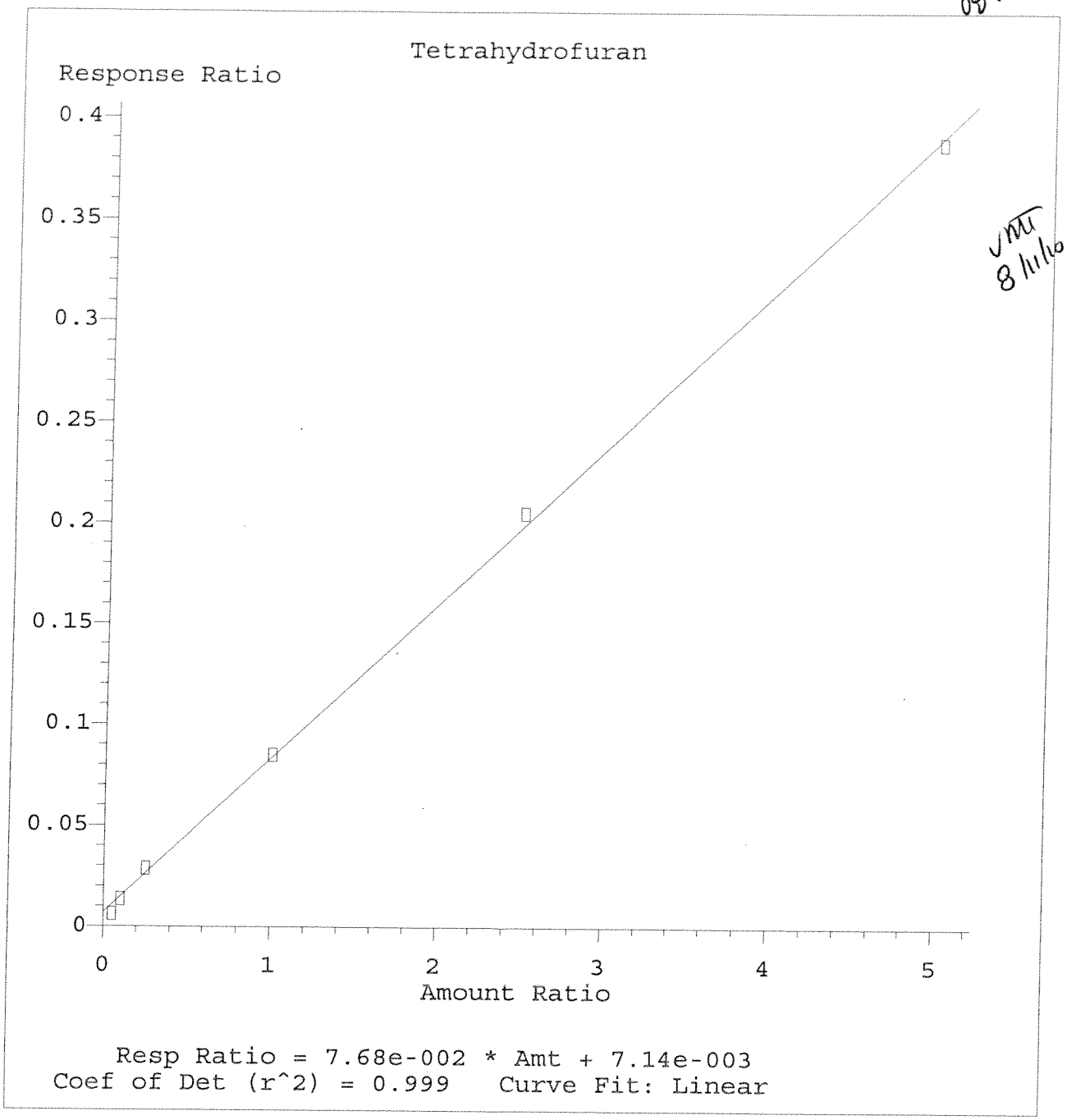
Ok
08.11.10



VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:11:44 2010

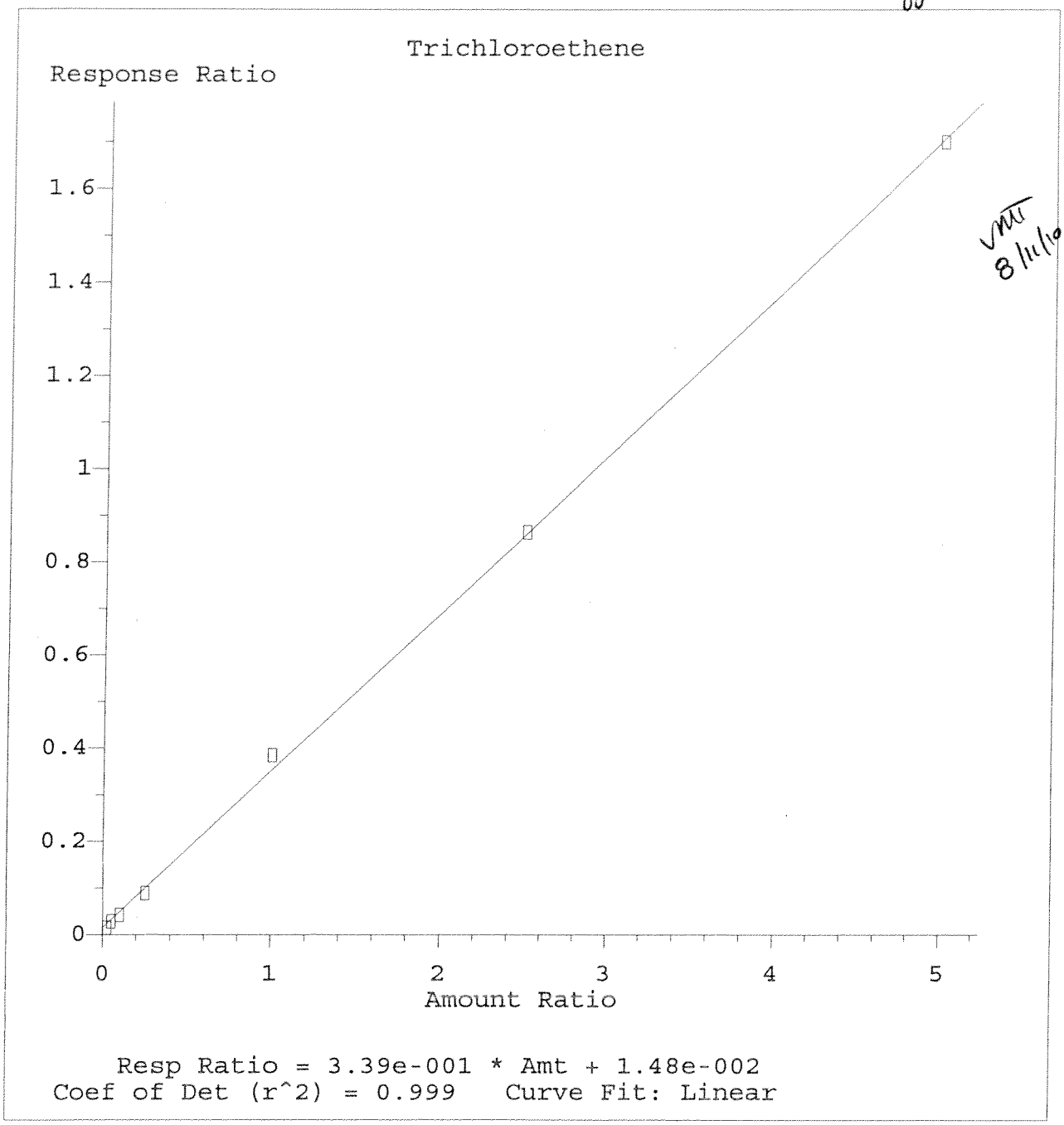
JL
08/11/10



VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:03:57 2010

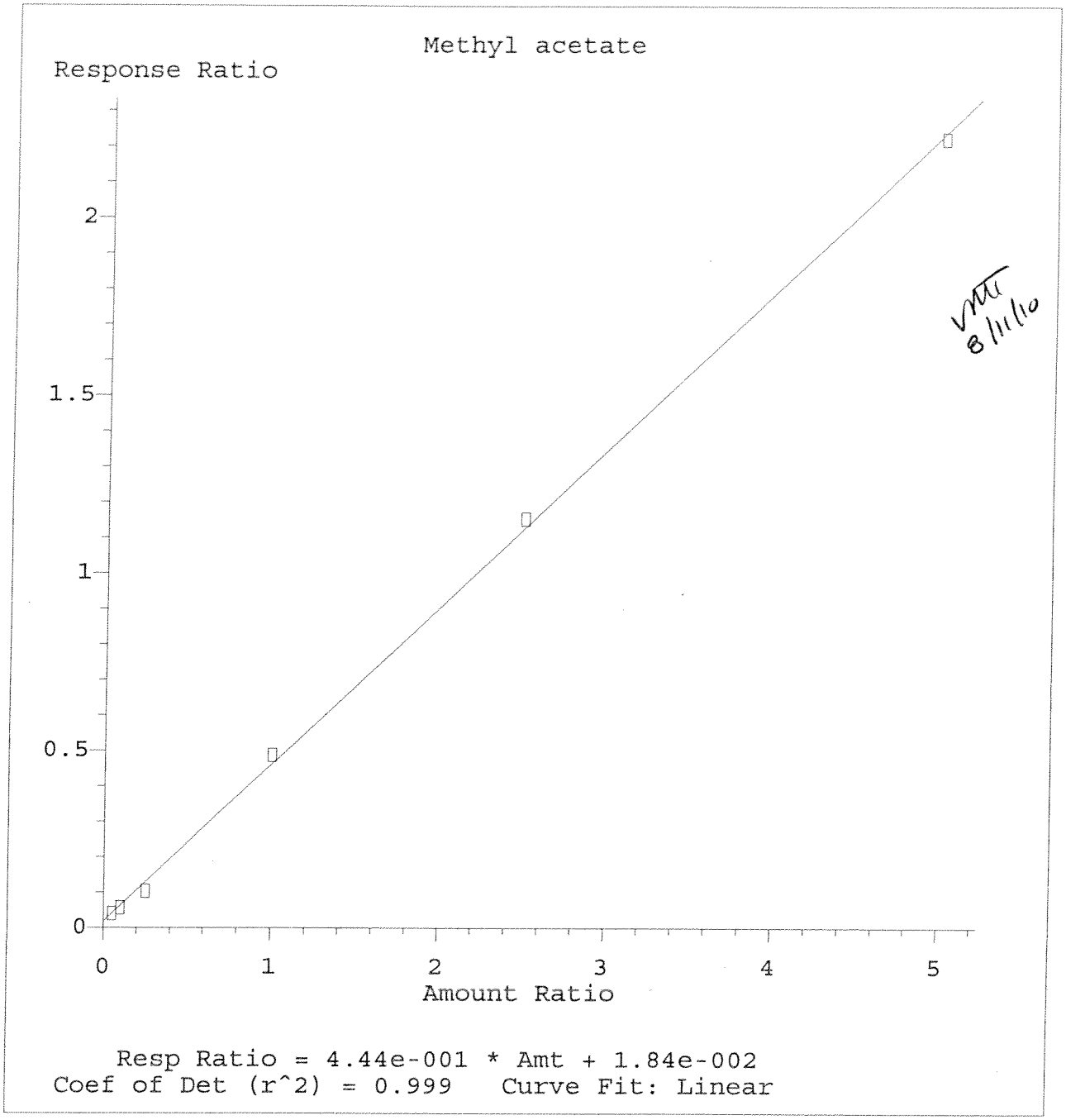
JL
08-11-10



VMT
8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:02 2010

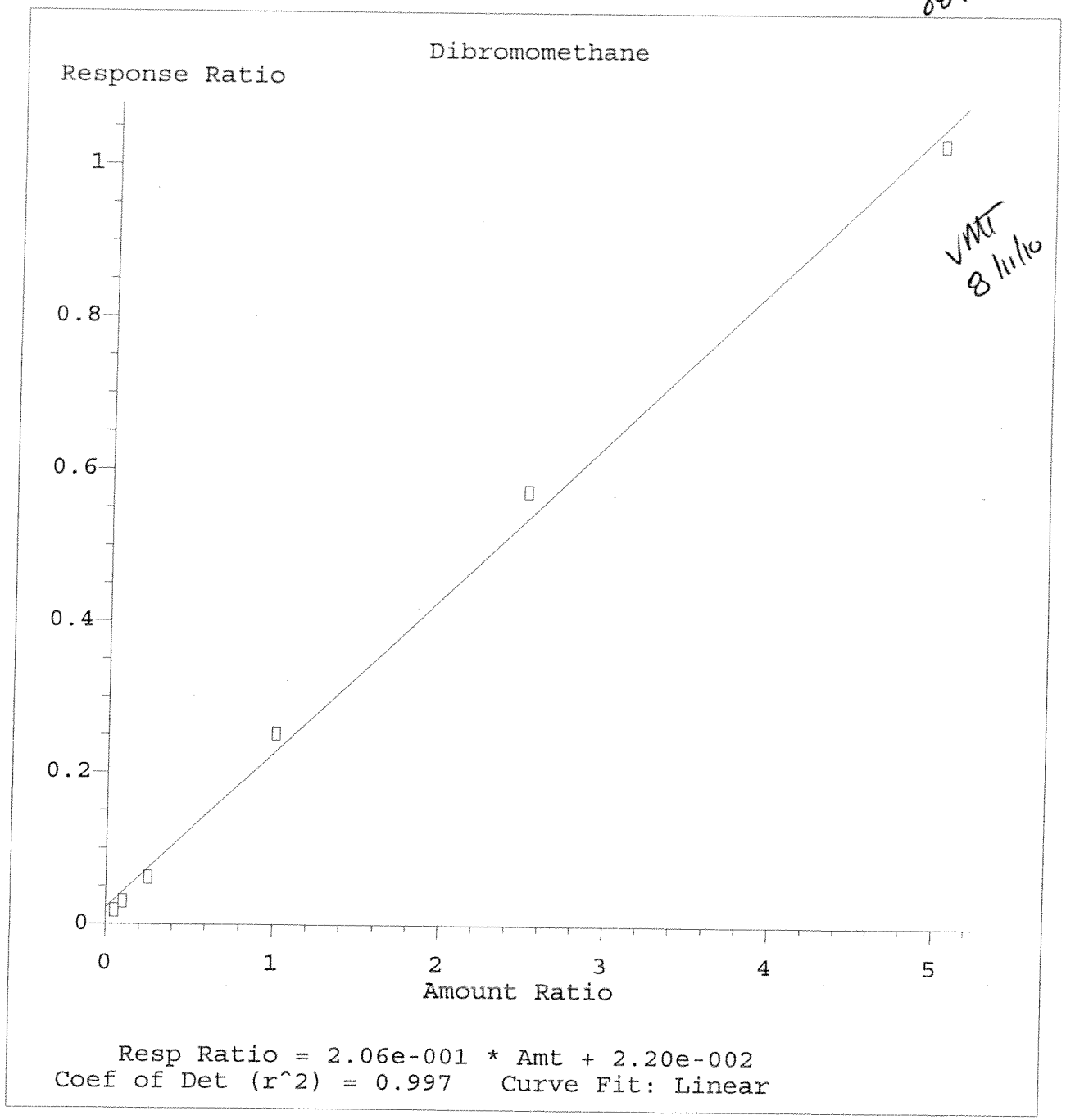
JR 08/11/10



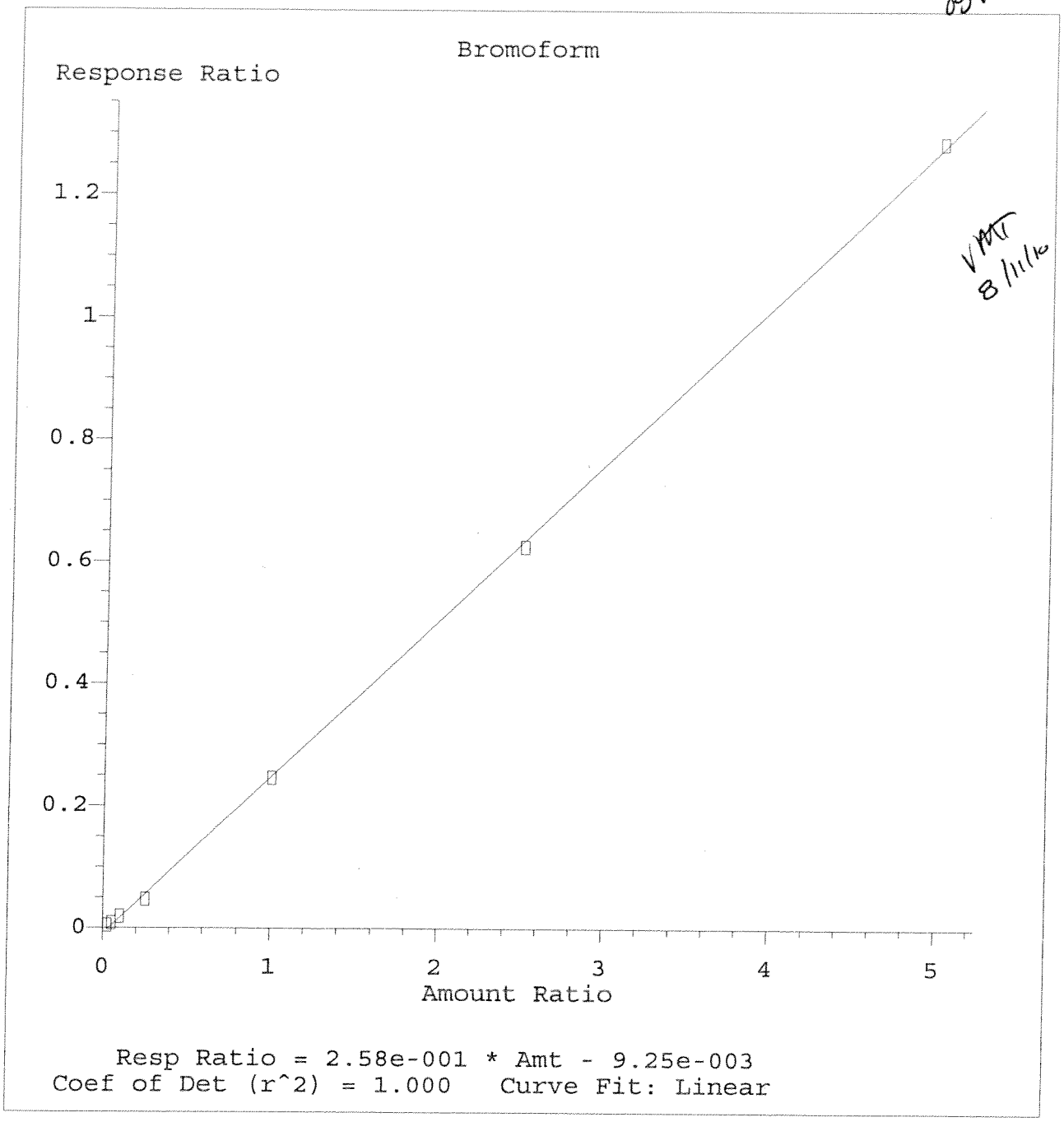
VMT 8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:05:39 2010

JL 08/11/10

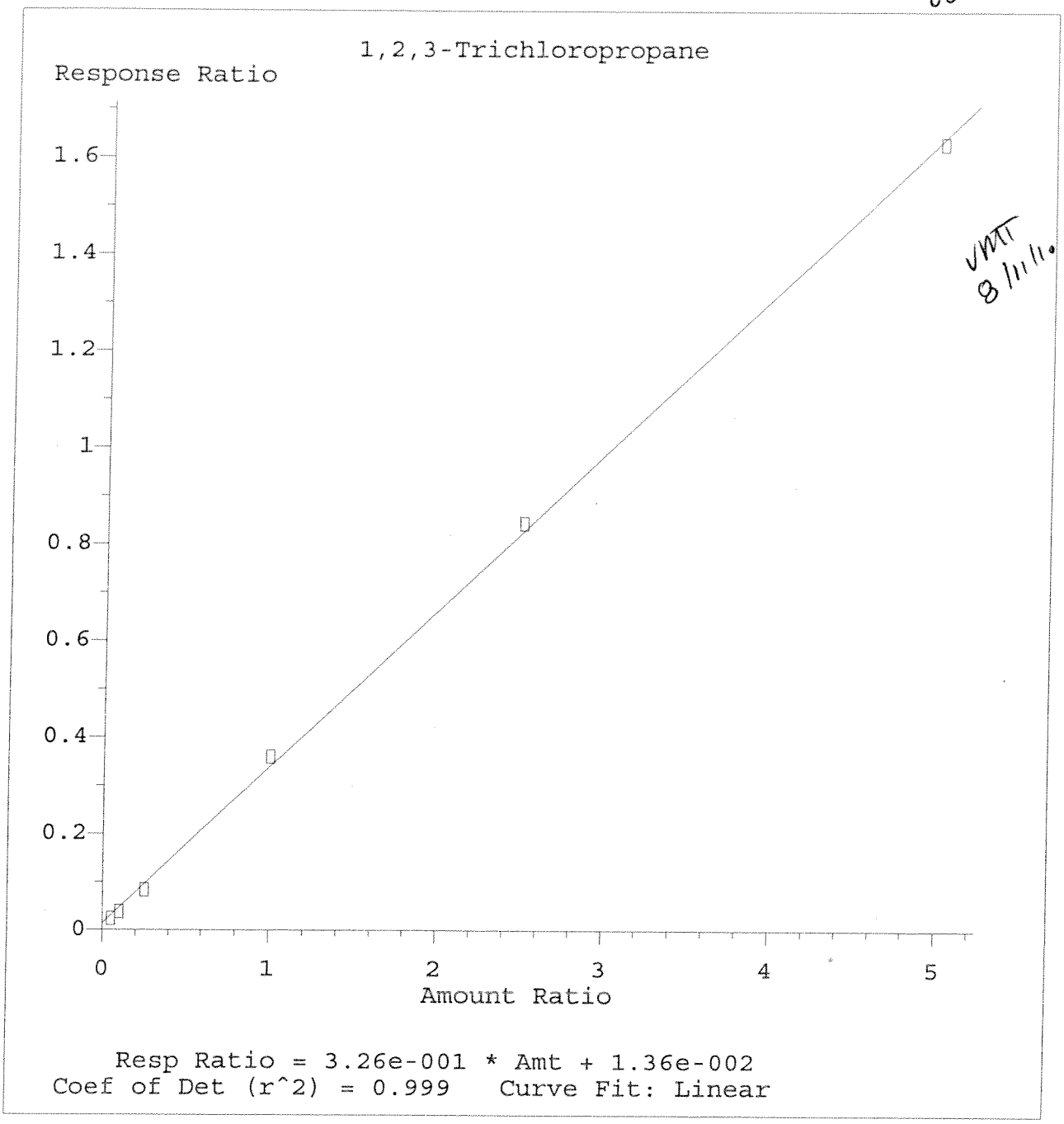


Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:06:08 2010



Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:08:39 2010

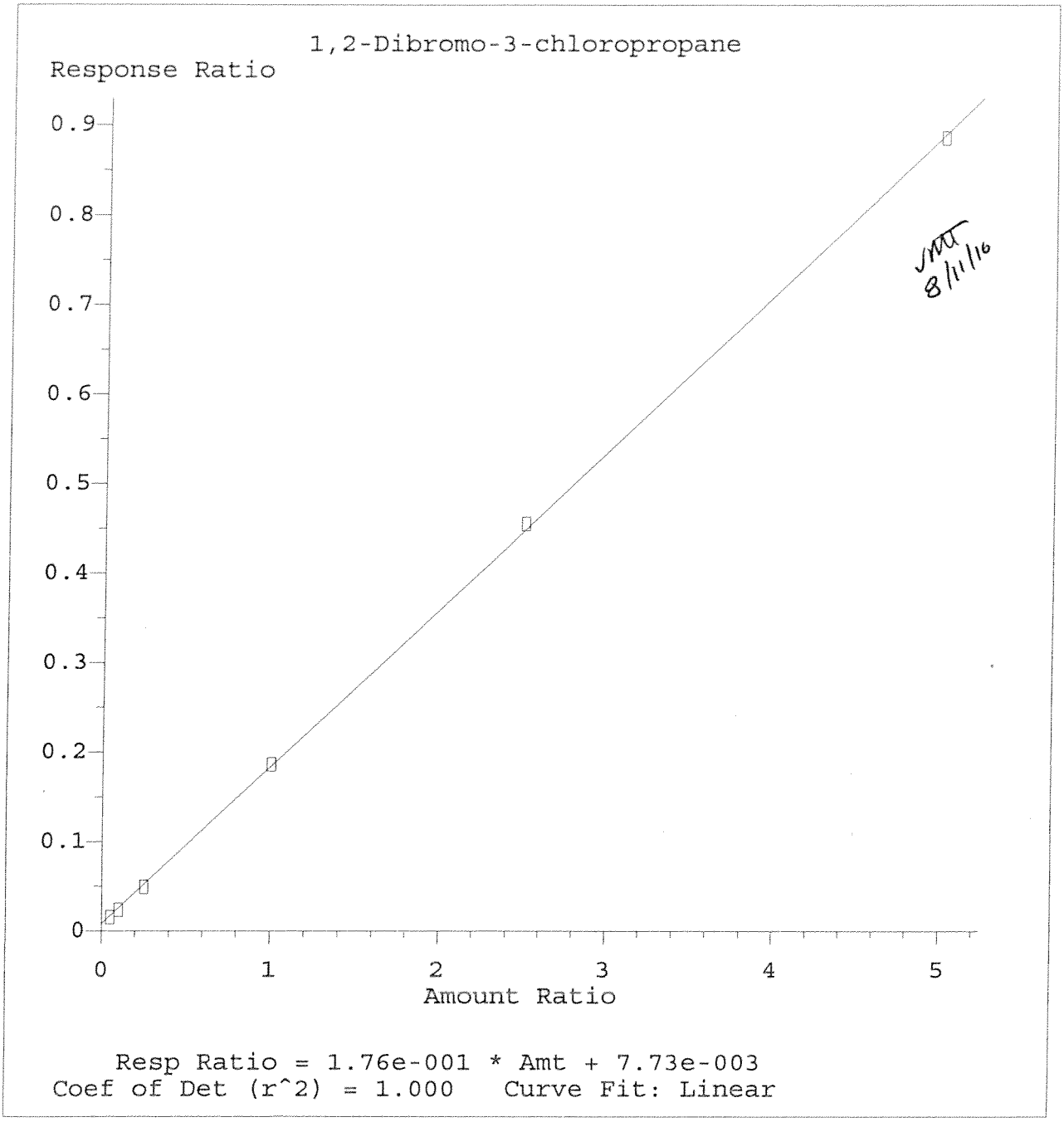
JR 08.11.10



VMT 8/11/10

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:09:06 2010

CK 08/11/10



VMT 8/11/16

Method Name: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M
Calibration Table Last Updated: Tue Aug 10 16:10:49 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08-11-10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	195858	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	379188	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.11	117	335209	20.00 ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	150145	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	148991	21.05 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.25%		
36) d4-1,2-Dichloroethane	7.98	65	148991	21.04 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 105.20%		
54) d8-Toluene	10.85	98	420277	17.83 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 89.15%		
73) Bromofluorobenzene	14.99	95	159630	16.02 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.10%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	3445	Below Cal	99
3) Chloromethane	1.98	50	4811	0.48 ug/L	79
4) Vinyl Chloride	2.02	62	4323	0.66 ug/L	99
5) Bromomethane	2.51	94	1833	0.30 ug/L #	51
6) Chloroethane	2.59	64	3002	0.04 ug/L #	64
7) t-Butyl alcohol (TBA)	3.94	59	1288m	2.55 ug/L	
8) Trichlorofluoromethane	2.91	101	4617m	0.37 ug/L	
9) Diethyl ether	3.35	74	3305m	0.93 ug/L	
10) 1,1,2-Trichlorotrifluoroet	3.56	101	624	0.09 ug/L #	57
11) Acrolein	3.46	56	900	Below Cal #	1
12) Acetone	3.59	43	6777	Below Cal #	62
13) 1,1-Dichloroethene	3.75	96	2185	0.34 ug/L #	14
14) Methyl iodide	4.19	142	547	0.08 ug/L #	43
15) Di-isopropyl ether (DIPE)	5.60	45	8346	0.36 ug/L #	86
16) Methylene Chloride	4.50	84	13953	0.93 ug/L #	83
17) Carbon Disulfide	4.48	76	5851	0.25 ug/L	99
18) Acrylonitrile	4.73	53	1321	0.49 ug/L #	51
19) Methyl-tert-butyl ether (M	4.84	73	5719	0.34 ug/L #	74
20) trans-1,2-Dichloroethene	4.99	61	3501m	0.37 ug/L	
21) 1,1-Dichloroethane	5.72	63	4930m	0.42 ug/L	
22) Vinyl acetate	5.74	43	2894	0.25 ug/L #	74
23) Methyl ethyl ketone	6.42	72	995	Below Cal #	69
24) Ethyl t-butyl ether (ETBE)	6.25	59	6119	0.30 ug/L #	88
25) 2,2-Dichloropropane	6.65	77	523	0.06 ug/L	84
26) cis-1,2-Dichloroethene	6.63	96	2545	0.33 ug/L #	79
27) t-Amyl methyl ether (TAME)	7.98	73	6437	0.34 ug/L #	71

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

J 0811.1 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	4401	0.31 ug/L	82
30)	Bromochloromethane	7.13	128	1064	Below Cal #	12
31)	Tetrahydrofuran	7.26	71	320	Below Cal #	53
32)	1,1,1-Trichloroethane	7.52	97	2812	0.24 ug/L	84
33)	Ethanol	2.70	45	2321	Below Cal #	18
34)	1,1-Dichloropropene	7.74	75	3536	0.35 ug/L	83
35)	Carbon Tetrachloride	7.89	119	1023m	0.16 ug/L	
37)	1,2-Dichloroethane	8.11	62	4642	0.50 ug/L	76
38)	Benzene	8.12	78	7723	0.30 ug/L	99
40)	Trichloroethene	9.07	95	2380	0.24 ug/L #	60
41)	1,2-Dichloropropane	9.32	63	2676	0.36 ug/L	81
42)	Methylmethacrylate	9.46	69	2123	0.39 ug/L #	69
43)	Methyl acetate	4.31	43	640	0.07 ug/L #	12
44)	Cyclohexane	7.53	56	1678	0.15 ug/L	96
45)	Bromodichloromethane	9.66	83	2764	0.24 ug/L	94
46)	Dibromomethane	9.74	93	2213	0.34 ug/L	91
47)	1,4-Dioxane	9.74	88	431	Below Cal #	1
48)	Methylcyclohexane	9.15	83	3457	0.25 ug/L	89
50)	2-Chloroethylvinyl ether	10.17	63	742	0.18 ug/L #	66
51)	2-Hexanone	11.56	58	3816	1.36 ug/L	76
52)	Methyl isobutyl ketone	10.23	58	4189	1.41 ug/L #	79
53)	cis-1,3-Dichloropropene	10.50	75	3397	0.26 ug/L	86
55)	Toluene	10.96	92	5093	0.26 ug/L #	73
56)	trans-1,3-Dichloropropene	11.26	75	3206	0.25 ug/L	79
58)	1,1,2-Trichloroethane	11.48	83	1596	0.25 ug/L #	86
59)	1,3-Dichloropropane	11.86	76	2910	0.23 ug/L	94
60)	Tetrachloroethene	11.94	166	1900	0.24 ug/L #	68
61)	Dibromochloromethane	12.25	129	1740	0.18 ug/L	97
62)	1,2-Dibromoethane	12.53	107	1788	0.22 ug/L #	74
64)	Chlorobenzene	13.17	112	5158	0.29 ug/L #	80
65)	1,1,1,2-Tetrachloroethane	13.25	131	2308	0.29 ug/L	83
66)	Ethylbenzene	13.27	91	8132	0.22 ug/L	81
67)	m,p-Xylene	13.40	106	6230	0.54 ug/L #	54
68)	o-Xylene	14.06	106	3144	0.28 ug/L #	73
69)	Styrene	14.12	104	5359	0.27 ug/L	77
70)	Bromoform	14.60	173	738	0.15 ug/L	98
71)	Isopropylbenzene	14.61	105	8203	0.27 ug/L	90
72)	1,1,2,2-Tetrachloroethane	14.88	83	2955	0.28 ug/L #	89
75)	trans-1,4-Dichloro-2-buten	15.22	89	641	0.21 ug/L #	1
76)	n-Propylbenzene	15.24	91	9352	0.21 ug/L	100
77)	Bromobenzene	15.27	156	1859	0.24 ug/L #	58

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 09.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
78)	1,3,5-Trimethylbenzene	15.50	105	7027	0.28 ug/L		95
79)	2-Chlorotoluene	15.50	91	6727	0.24 ug/L		56
80)	4-Chlorotoluene	15.57	91	6217	0.23 ug/L		89
81)	tert-butylbenzene	16.03	119	5965	0.27 ug/L	#	60
82)	1,2,4-Trimethylbenzene	16.10	105	7932	0.30 ug/L		94
83)	Diisobutylketone	15.19	57	24454	1.42 ug/L	#	80
84)	sec-butylbenzene	16.38	105	9916	0.30 ug/L		85
85)	p-isopropyltoluene	16.59	119	7142	0.25 ug/L		92
86)	1,3-Dichlorobenzene	16.71	146	3452	0.24 ug/L	#	87
88)	1,4-Dichlorobenzene	16.88	146	3518	0.27 ug/L	#	72
89)	n-butylbenzene	17.24	91	7720	0.29 ug/L		83
90)	1,2-Dichlorobenzene	17.45	146	2900	0.25 ug/L	#	84
92)	1,2-Dibromo-3-chloropropan	18.69	75	776	Below Cal	#	25
94)	1,2,4-Trichlorobenzene	20.10	180	2291	0.27 ug/L		97
95)	Hexachlorobutadiene	20.34	225	1076	0.18 ug/L		79
96)	Naphthalene	20.50	128	6488	0.30 ug/L		87
97)	1,2,3-Trichlorobenzene	20.91	180	2141	0.29 ug/L		92
98)	1,3,5-Trichlorobenzene	19.10	180	2409	0.28 ug/L		82

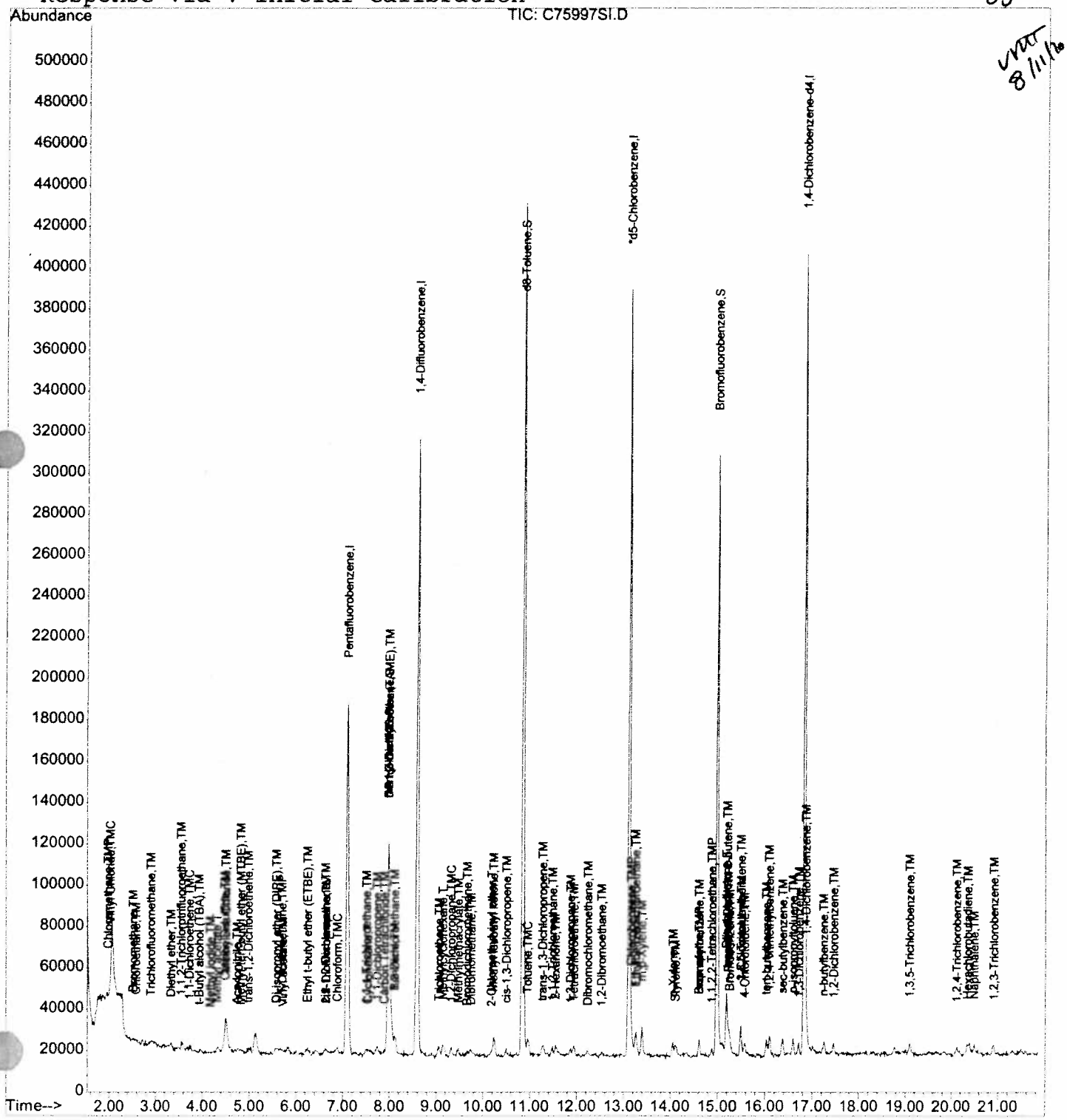
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JL 09-11-10



VMT 8/11/10

C75997SI.D V808100C.M Wed Aug 11 09:45:42 2010 Page 4

Quantitation Report (Qedit)

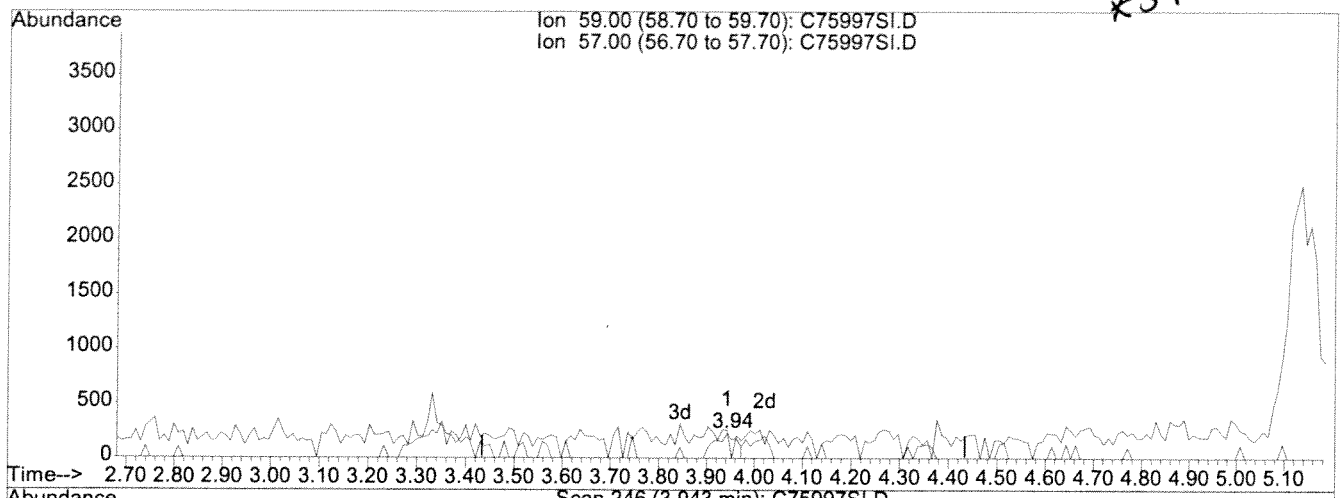
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 12:56 2010 Quant Results File: temp.res

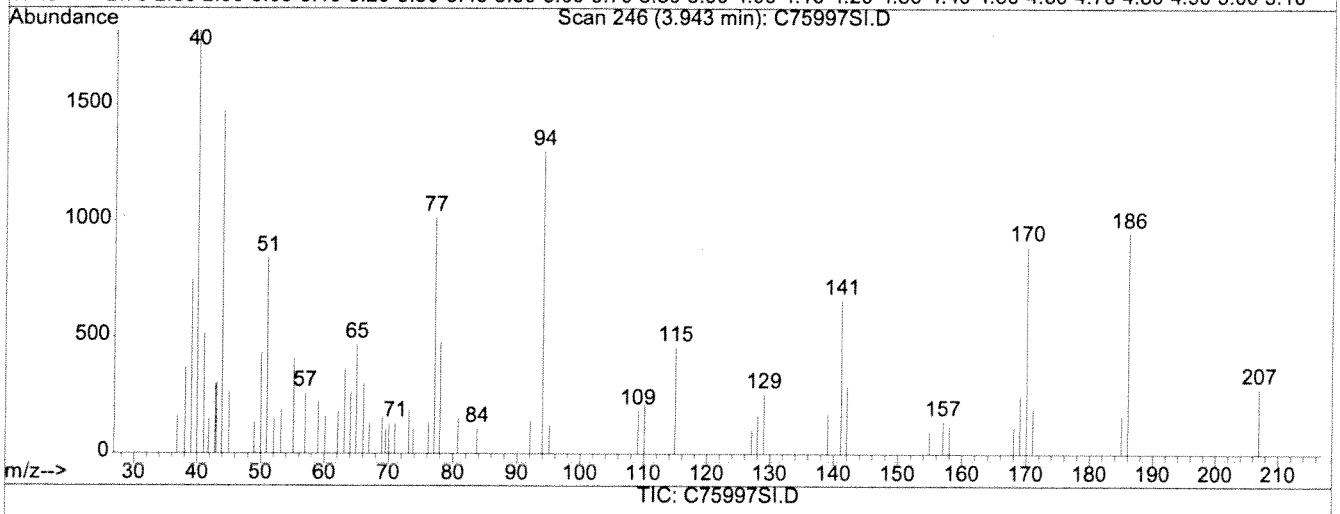
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08.11.10 *SP

* Point Not used in the Curve

VMT 8/11/10





(7) t-Butyl alcohol (TBA) (TM)

3.94min 1.46ug/L

response 740

Ion	Exp%	Act%
59.00	100	100
57.00	8.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:00:56 2010

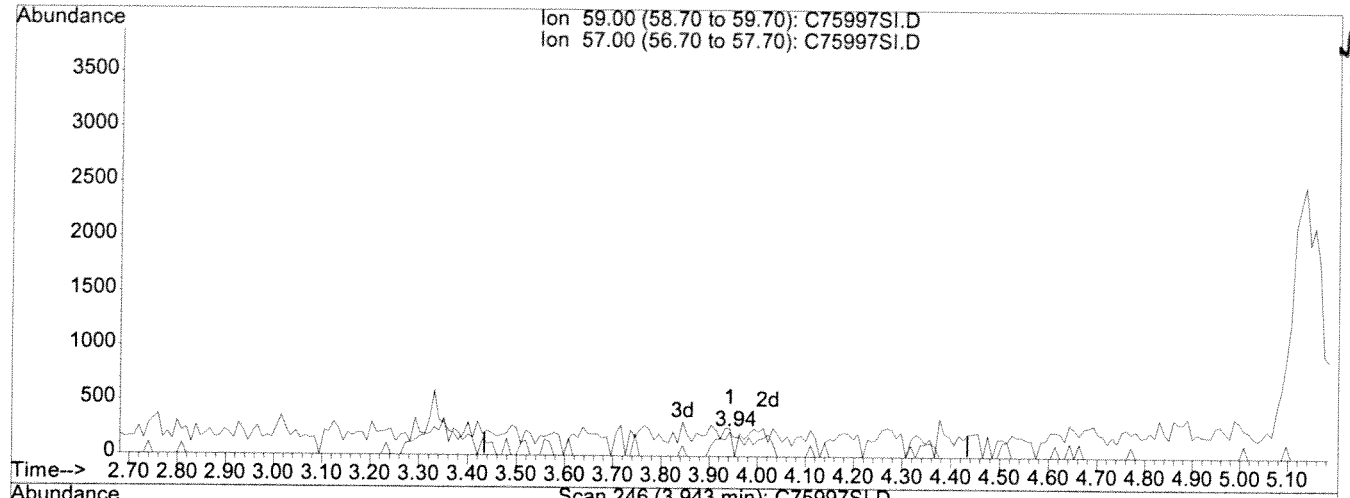
Quantitation Report (Qedit)

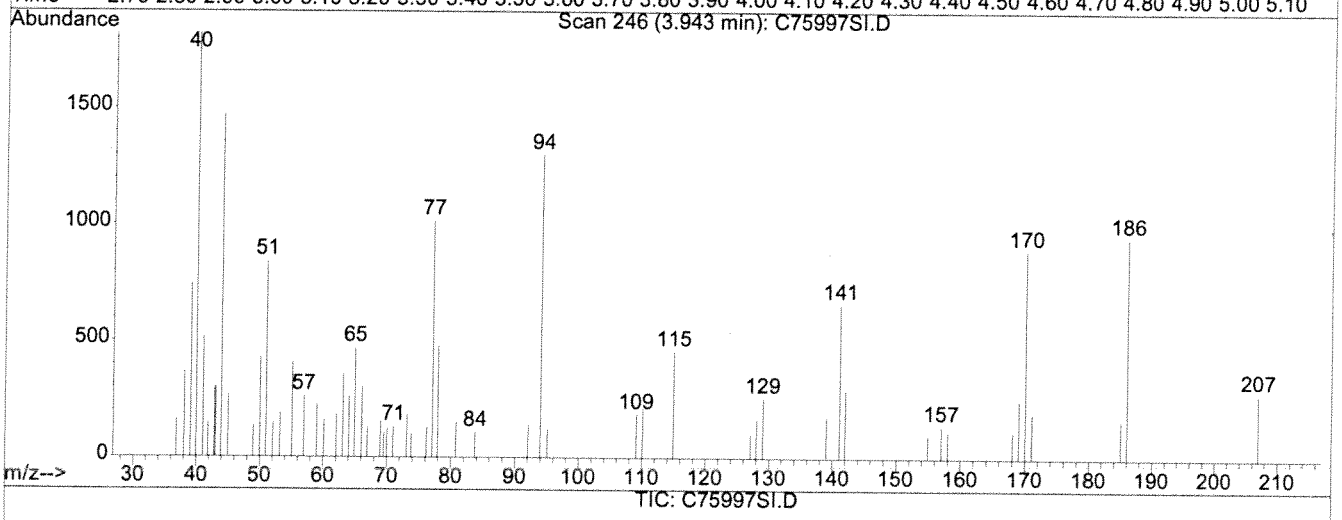
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10

MT 8/11/10





(7) t-Butyl alcohol (TBA) (TM)

3.94min 2.55ug/L m

response 1288

Ion	Exp%	Act%
59.00	100	100
57.00	8.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:01:08 2010

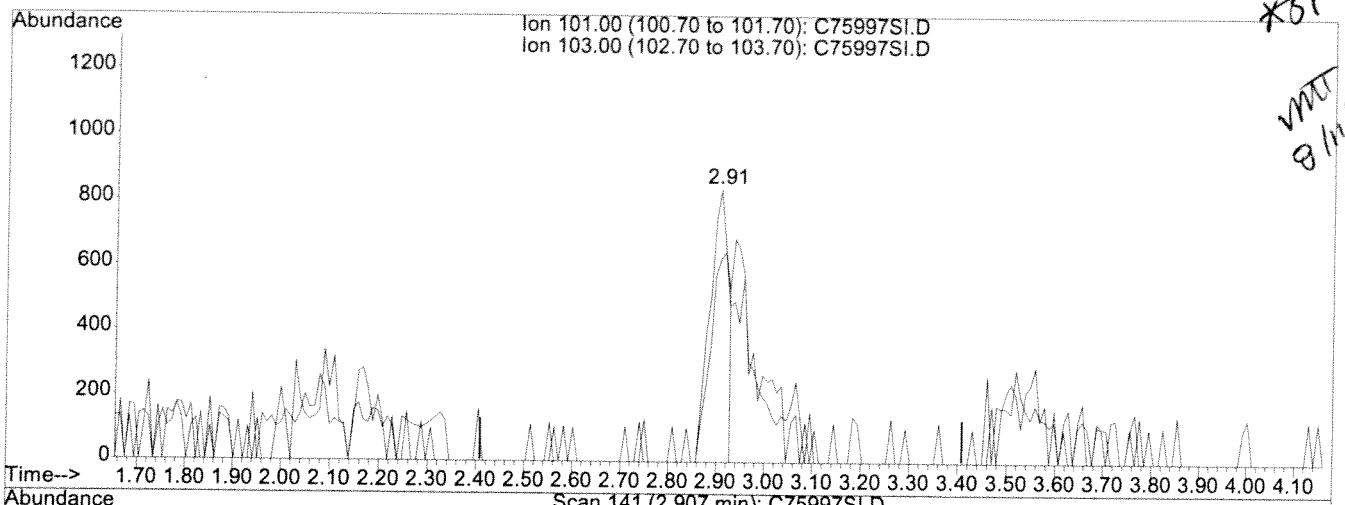
Quantitation Report (Qedit)

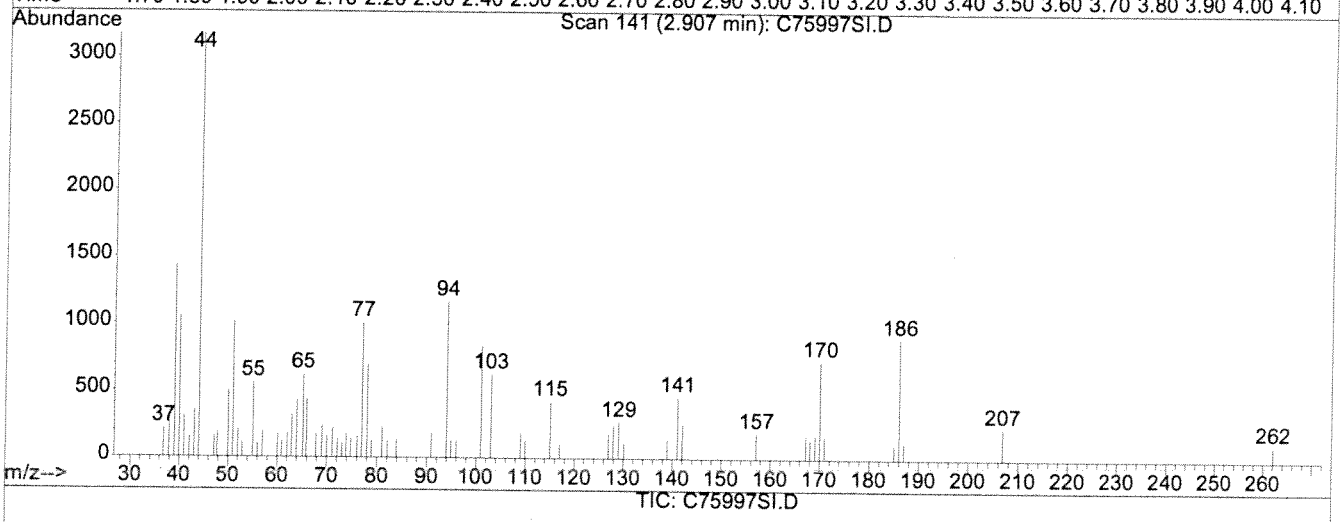
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10 KSP

VMT 8/11/10





(8) Trichlorofluoromethane (TM)

2.91min 0.18ug/L

response 2288

Ion	Exp%	Act%
101.00	100	100
103.00	65.60	74.46
0.00	0.00	0.00
0.00	0.00	0.00

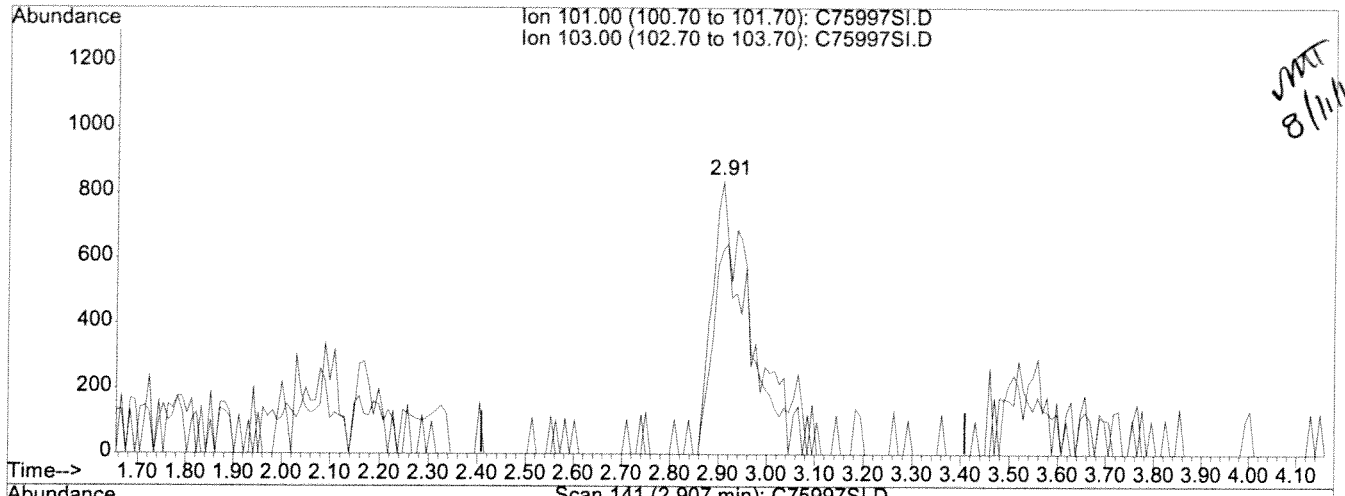
C75997SI.D V808100C.M Tue Aug 10 13:01:12 2010

Quantitation Report (Qedit)

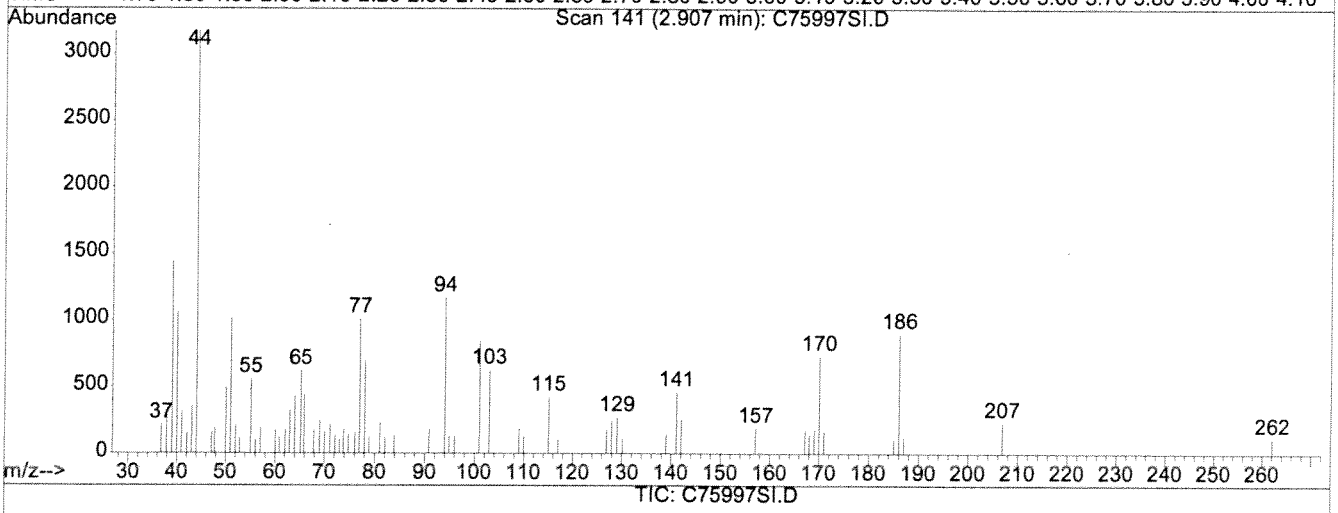
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 08-11-10



MT 8/11/10



(8) Trichlorofluoromethane (TM)

2.91min 0.37ug/L m

response 4617

Ion	Exp%	Act%
101.00	100	100
103.00	65.60	74.46
0.00	0.00	0.00
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:01:17 2010

Quantitation Report (Qedit)

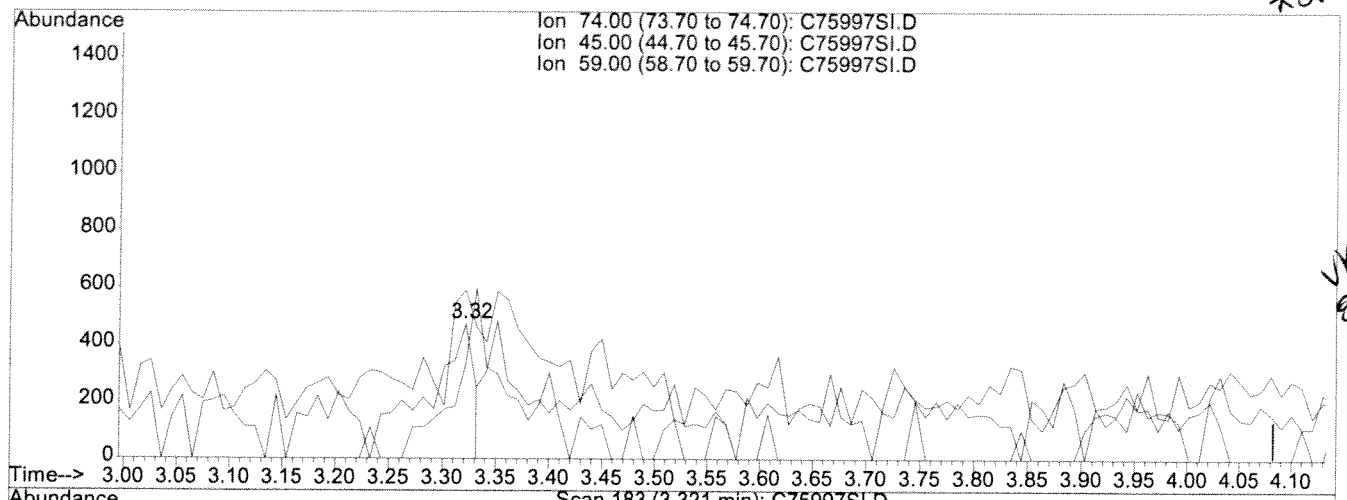
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

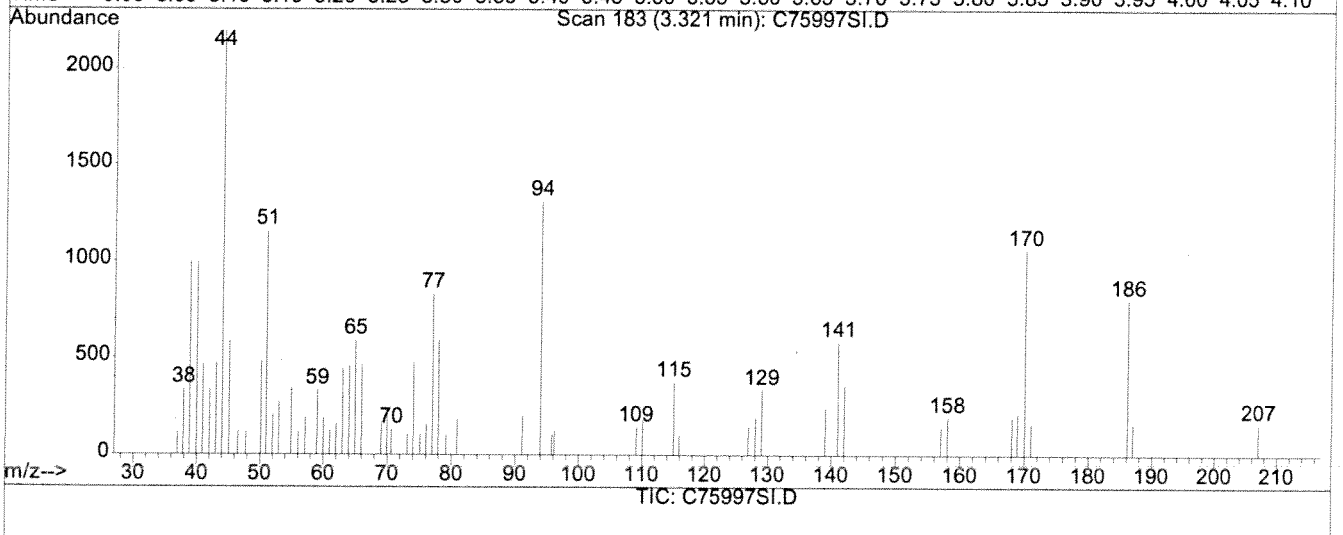
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 09/11/10 *SP

*Point Not used in ti (avv

VMT 8/11/10





(9) Diethyl ether (TM)

3.32min 0.41ug/L

response 1456

Ion	Exp%	Act%
74.00	100	100
45.00	148.10	51.44#
59.00	162.00	114.56#
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:01:20 2010

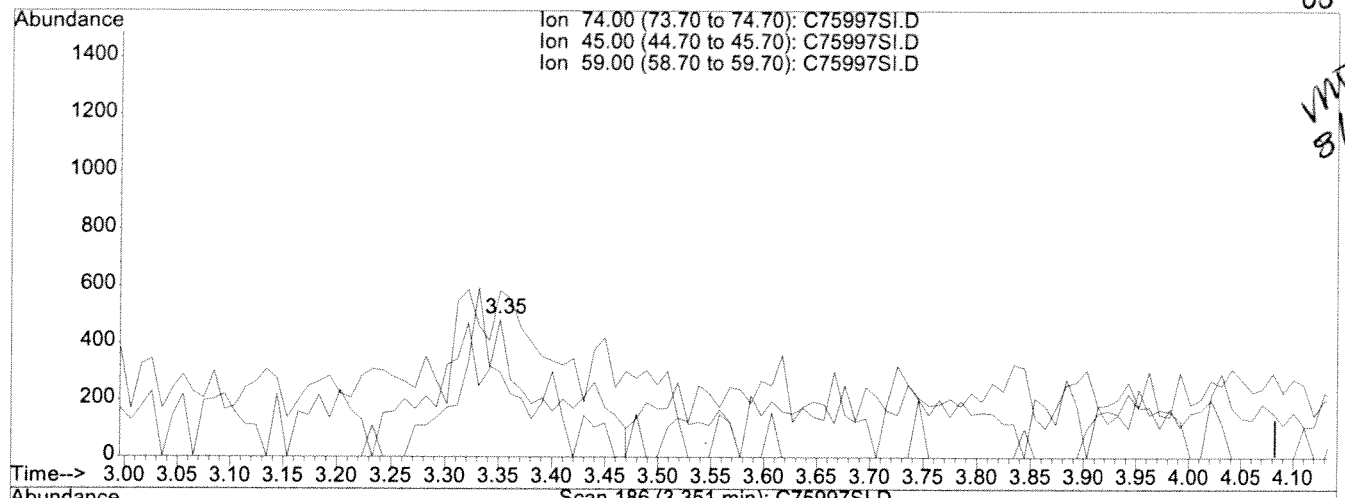
Quantitation Report (Qedit)

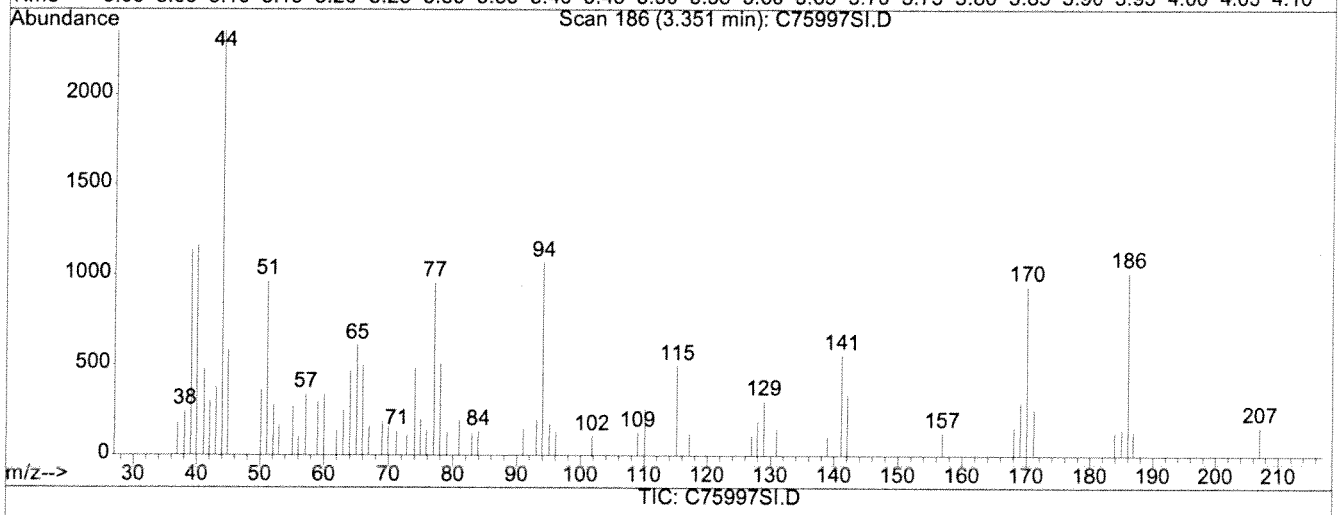
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10

VMT 8/11/10





(9) Diethyl ether (TM)

3.35min 0.93ug/L m

response 3305

Ion	Exp%	Act%
74.00	100	100
45.00	148.10	22.66#
59.00	162.00	50.47#
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:01:29 2010

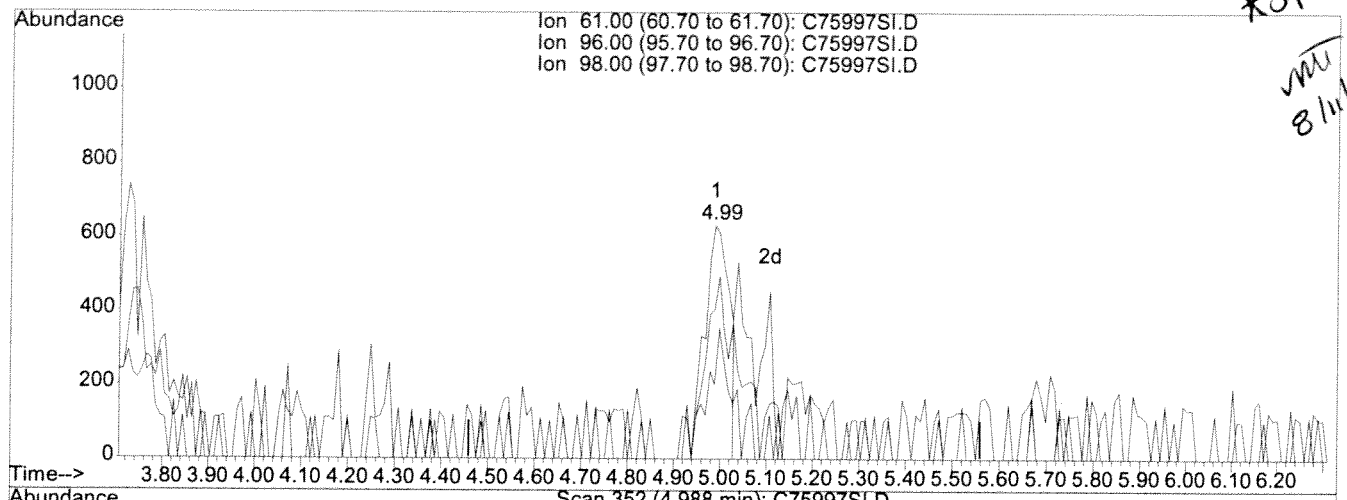
Quantitation Report (Qedit)

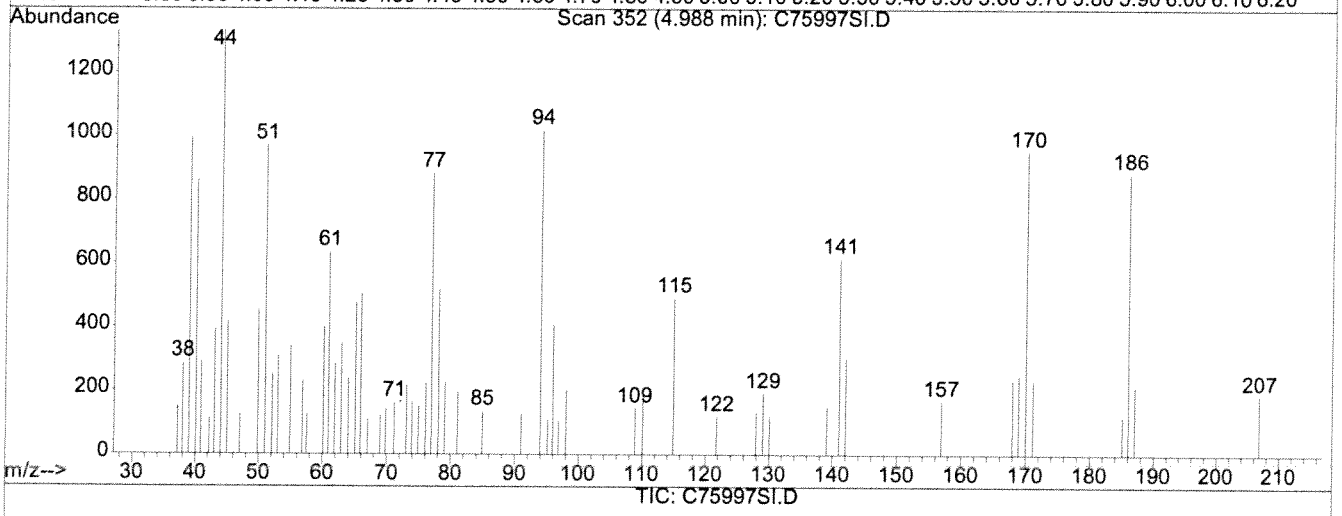
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:01 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10 KSP

VMU 8/11/10





(20) trans-1,2-Dichloroethene (TM)

4.99min 0.26ug/L

response 2490

Ion	Exp%	Act%
61.00	100	100
96.00	80.00	64.30
98.00	50.20	31.91
0.00	0.00	0.00

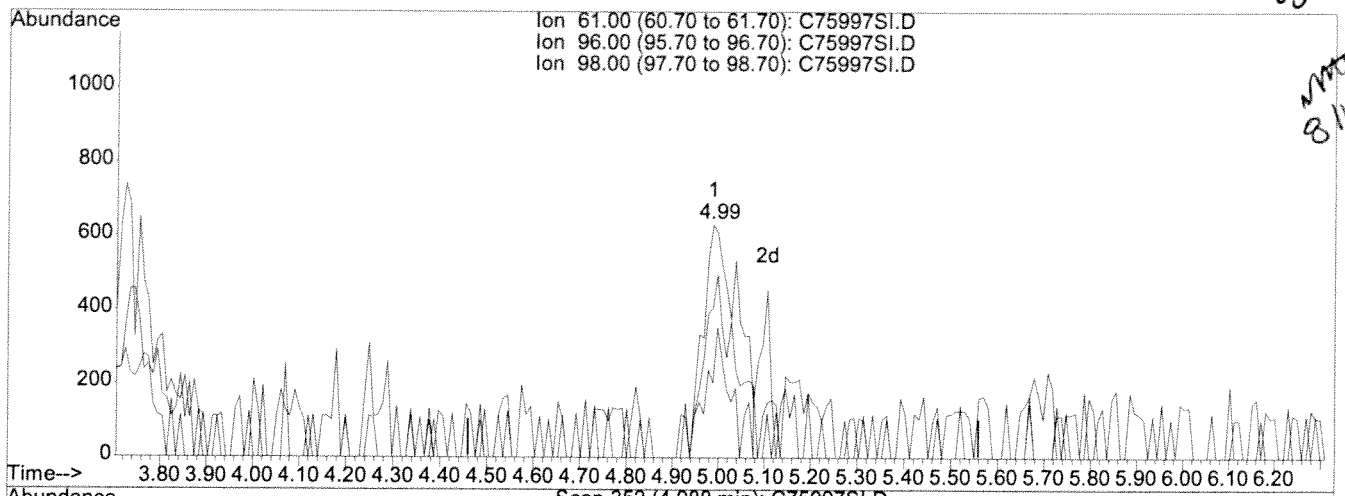
C75997SI.D V808100C.M Tue Aug 10 13:04:47 2010

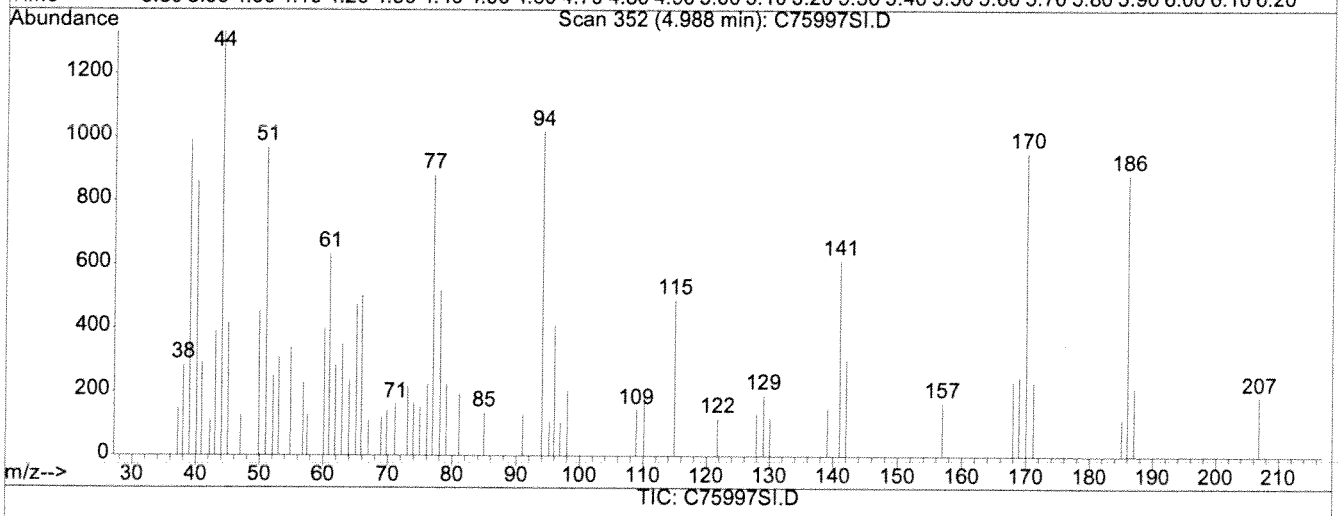
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:04 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL
08-11-10





(20) trans-1,2-Dichloroethene (TM)

4.99min 0.37ug/L m

response 3501

Ion	Exp%	Act%
61.00	100	100
96.00	80.00	64.30
98.00	50.20	31.91
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:04:58 2010

Quantitation Report (Qedit)

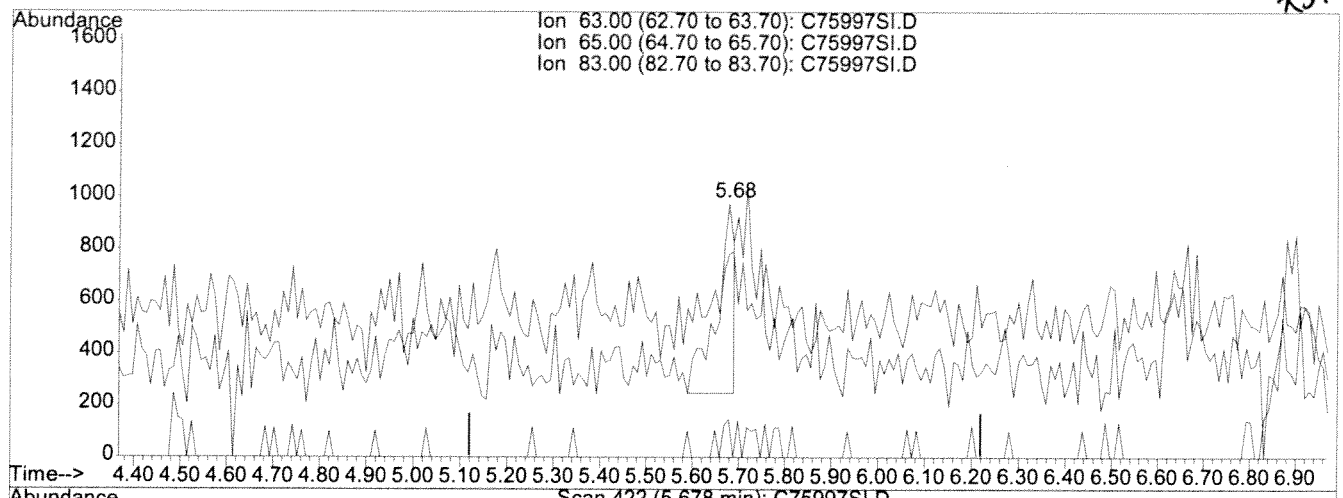
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:04 2010 Quant Results File: temp.res

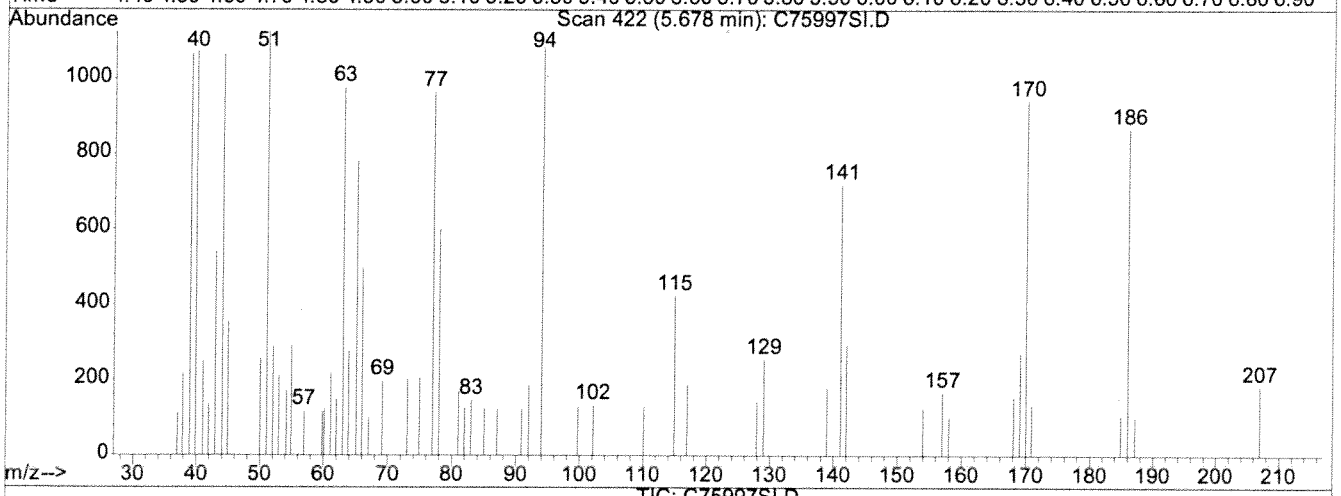
Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08-11-10 KSP

* Point NOT USED IN TI Curve

VMC 8/11/10





(21) 1,1-Dichloroethane (TMP)

5.68min 0.16ug/L

response 1933

Ion	Exp%	Act%
63.00	100	100
65.00	30.20	28.45
83.00	19.30	19.97
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:05:02 2010

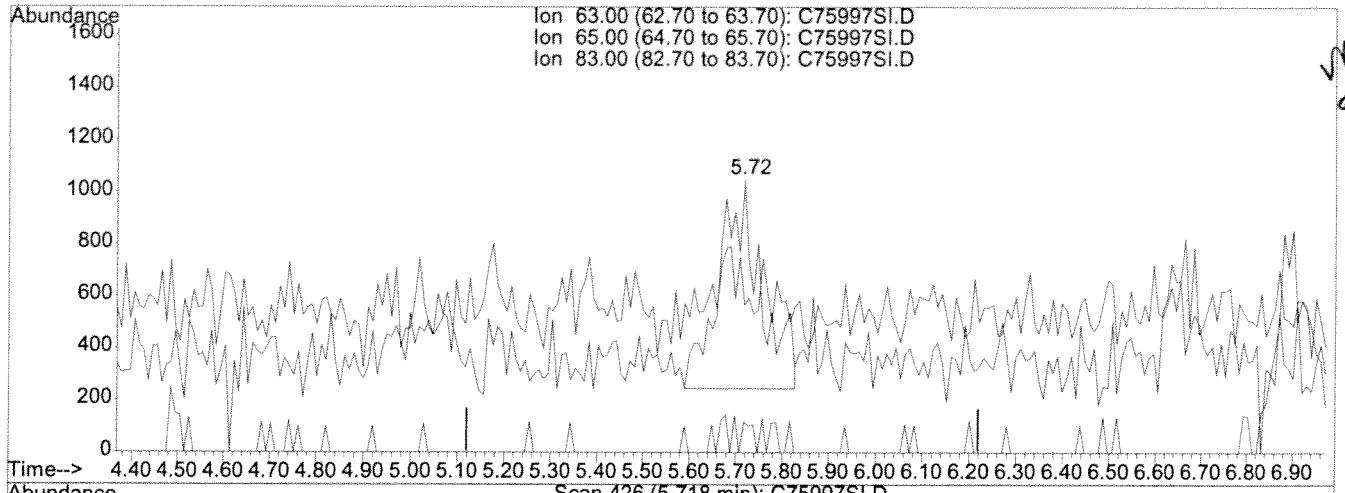
Quantitation Report (Qedit)

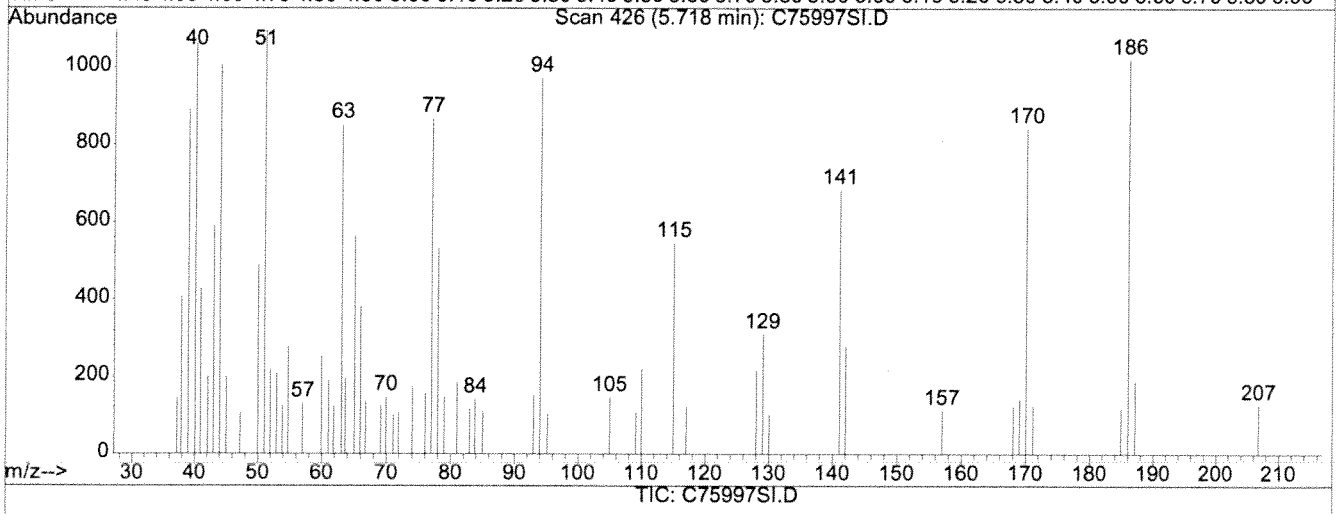
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

08.11.10

VMT 8/11/10





(21) 1,1-Dichloroethane (TMP)

5.72min 0.42ug/L m

response 4930

Ion	Exp%	Act%
63.00	100	100
65.00	30.20	66.24#
83.00	19.30	13.83
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:05:07 2010

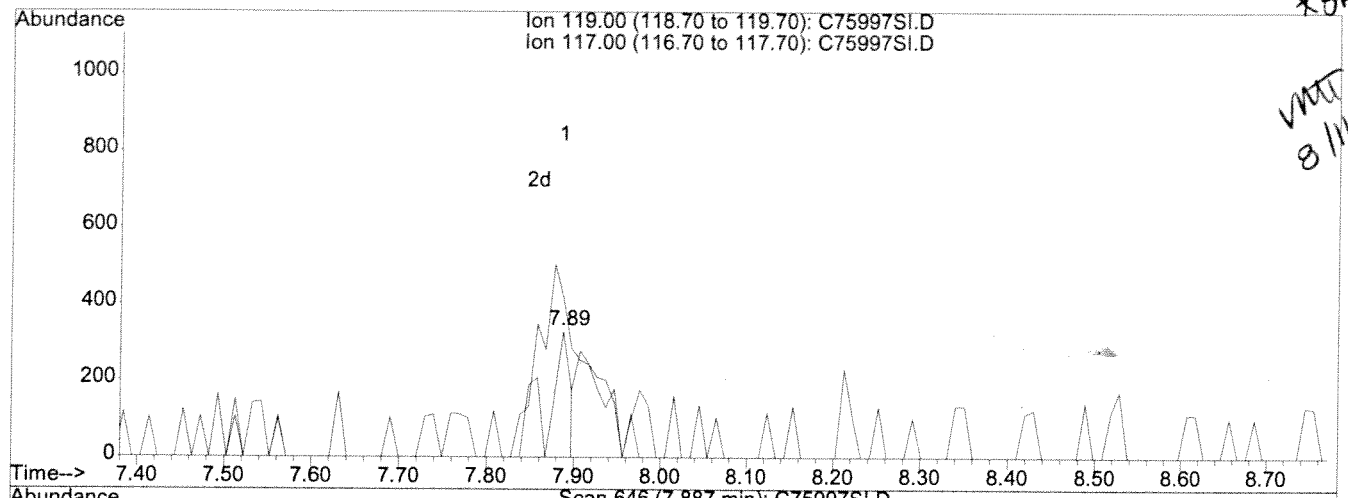
Quantitation Report (Qedit)

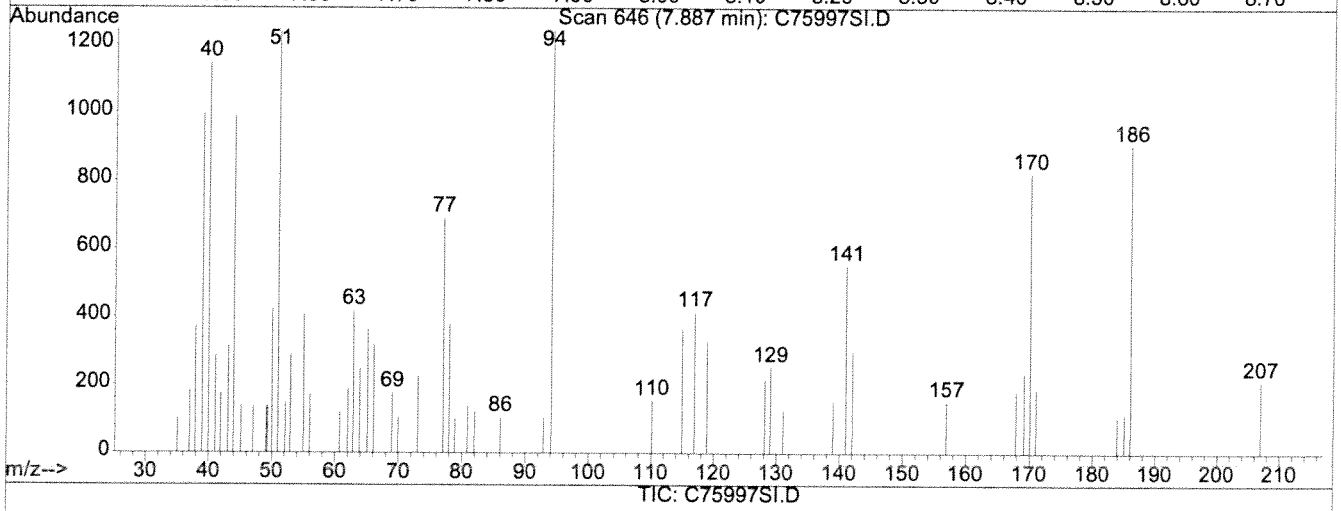
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 09-11-11 KBD

VMT 8/11/11





(35) Carbon Tetrachloride (TM)

7.89min 0.06ug/L

response 388

Ion	Exp%	Act%
119.00	100	100
117.00	101.10	41.16#
0.00	0.00	0.00
0.00	0.00	0.00

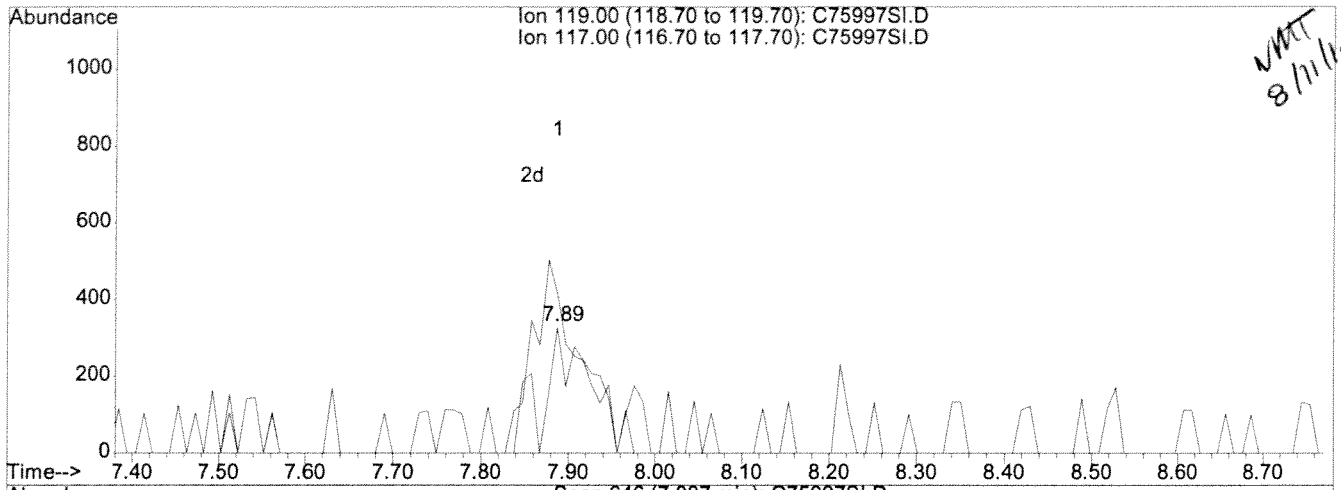
C75997SI.D V808100C.M Tue Aug 10 13:05:46 2010

Quantitation Report (Qedit)

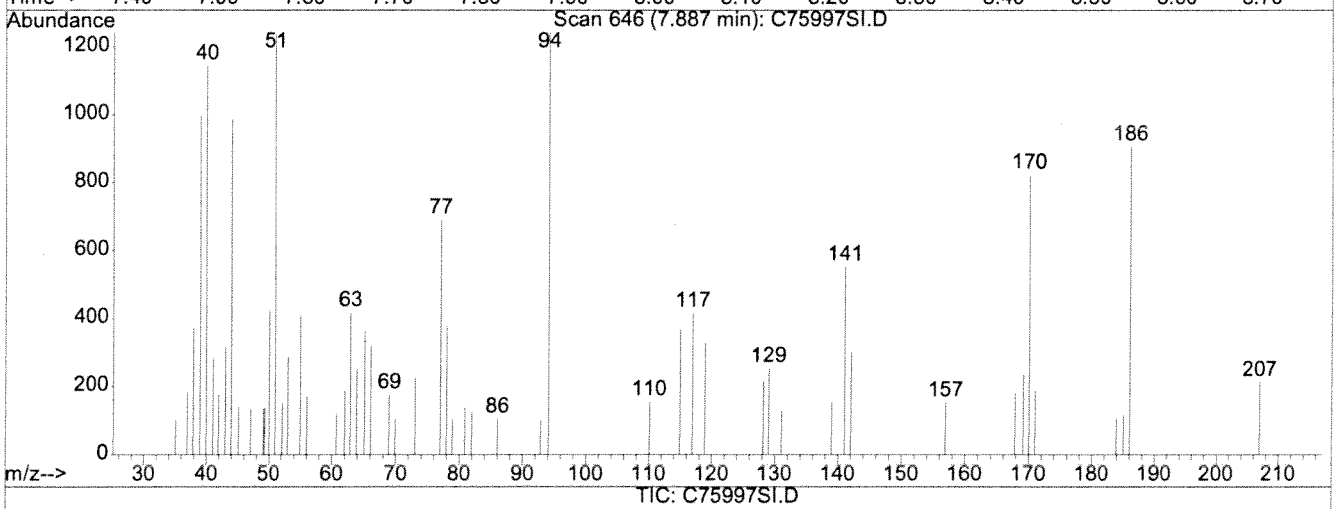
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75997SI.D Vial: 5
Acq On : 10 Aug 2010 11:40 am Operator: JK
Sample : 0.2 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:05 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08/11/10



VMT 8/11/10



TIC: C75997SI.D

(35) Carbon Tetrachloride (TM)

7.89min 0.16ug/L m

response 1023

Ion	Exp%	Act%
119.00	100	100
117.00	101.10	126.52#
0.00	0.00	0.00
0.00	0.00	0.00

C75997SI.D V808100C.M Tue Aug 10 13:05:52 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08.11.10 MKT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	197160	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	377545	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.11	117	336495	20.00 ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	150633	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	147502	20.71 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 103.55%		
36) d4-1,2-Dichloroethane	7.98	65	147502	20.69 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 103.45%		
54) d8-Toluene	10.85	98	422894	18.02 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 90.10%		
73) Bromofluorobenzene	14.99	95	156189	15.62 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 78.10%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	5386	Below Cal	88
3) Chloromethane	1.97	50	8355	0.90 ug/L	85
4) Vinyl Chloride	2.02	62	5351	0.81 ug/L	88
5) Bromomethane	2.52	94	1903	0.31 ug/L #	44
6) Chloroethane	2.57	64	4135	0.29 ug/L	99
7) t-Butyl alcohol (TBA)	3.96	59	263	0.52 ug/L #	1
8) Trichlorofluoromethane	2.92	101	6719	0.53 ug/L	96
9) Diethyl ether	3.32	74	1421	0.40 ug/L #	60
10) 1,1,2-Trichlorotrifluoroet	3.55	101	3848m	0.56 ug/L	
11) Acrolein	3.57	56	544	Below Cal	89
12) Acetone	3.59	43	11879	1.45 ug/L #	75
13) 1,1-Dichloroethene	3.75	96	4283	0.66 ug/L	83
14) Methyl iodide	4.17	142	398	0.05 ug/L	92
15) Di-isopropyl ether (DIPE)	5.59	45	17718	0.75 ug/L	90
16) Methylene Chloride	4.51	84	8151	0.09 ug/L	92
17) Carbon Disulfide	4.48	76	85524	3.69 ug/L	96
18) Acrylonitrile	4.73	53	760	0.28 ug/L #	52
19) Methyl-tert-butyl ether (M	4.82	73	7222m	0.42 ug/L	
20) trans-1,2-Dichloroethene	4.99	61	5161	0.54 ug/L	87
21) 1,1-Dichloroethane	5.69	63	8363	0.70 ug/L	81
22) Vinyl acetate	5.73	43	6555	0.55 ug/L #	87
23) Methyl ethyl ketone	6.42	72	2175	Below Cal #	97
24) Ethyl t-butyl ether (ETBE)	6.23	59	12326	0.60 ug/L #	67
25) 2,2-Dichloropropane	6.60	77	4267	0.51 ug/L	91
26) cis-1,2-Dichloroethene	6.64	96	5214	0.67 ug/L	96
27) t-Amyl methyl ether (TAME)	7.99	73	10882	0.58 ug/L #	63

(#) = qualifier out of range (m) = manual integration
C75998SI.D V808100C.M Wed Aug 11 09:45:42 2010 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08-11-10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
29)	Chloroform	6.90	83	6886	0.48 ug/L		86
30)	Bromochloromethane	7.12	128	2610	Below Cal	#	86
31)	Tetrahydrofuran	7.26	71	809	0.49 ug/L	#	1
32)	1,1,1-Trichloroethane	7.52	97	4902	0.41 ug/L	#	78
33)	Ethanol	2.71	45	3980	5.41 ug/L	#	40
34)	1,1-Dichloropropene	7.74	75	6412	0.64 ug/L		81
35)	Carbon Tetrachloride	7.88	119	2580m	0.41 ug/L		
37)	1,2-Dichloroethane	8.11	62	6486	0.69 ug/L		76
38)	Benzene	8.12	78	14382	0.55 ug/L		96
40)	Trichloroethene	9.06	95	5734	0.58 ug/L	#	49
41)	1,2-Dichloropropane	9.33	63	5435	0.73 ug/L		97
42)	Methylmethacrylate	9.47	69	3675	0.68 ug/L	#	72
43)	Methyl acetate	4.32	43	5600	0.64 ug/L	#	77
44)	Cyclohexane	7.51	56	7637m	0.68 ug/L		
45)	Bromodichloromethane	9.67	83	5261	0.46 ug/L		79
46)	Dibromomethane	9.73	93	3520	0.54 ug/L		81
47)	1,4-Dioxane	9.75	88	1448	Below Cal	#	41
48)	Methylcyclohexane	9.16	83	6437	0.47 ug/L	#	71
50)	2-Chloroethylvinyl ether	10.18	63	2198	0.53 ug/L	#	76
51)	2-Hexanone	11.55	58	8106	2.91 ug/L	#	64
52)	Methyl isobutyl ketone	10.23	58	9297	3.15 ug/L	#	69
53)	cis-1,3-Dichloropropene	10.50	75	7079	0.55 ug/L		95
55)	Toluene	10.96	92	9530	0.50 ug/L	#	79
56)	trans-1,3-Dichloropropene	11.25	75	6597	0.52 ug/L		97
58)	1,1,2-Trichloroethane	11.48	83	3334	0.51 ug/L		88
59)	1,3-Dichloropropane	11.86	76	5721	0.45 ug/L		92
60)	Tetrachloroethene	11.95	166	4043	0.52 ug/L	#	79
61)	Dibromochloromethane	12.23	129	3983	0.41 ug/L		96
62)	1,2-Dibromoethane	12.53	107	4226	0.53 ug/L		98
64)	Chlorobenzene	13.17	112	10720	0.61 ug/L		87
65)	1,1,1,2-Tetrachloroethane	13.26	131	3522	0.44 ug/L		88
66)	Ethylbenzene	13.27	91	16750	0.46 ug/L		80
67)	m,p-Xylene	13.40	106	13980	1.21 ug/L	#	42
68)	o-Xylene	14.06	106	6280	0.56 ug/L	#	56
69)	Styrene	14.11	104	11682	0.58 ug/L	#	57
70)	Bromoform	14.59	173	1528	0.32 ug/L		84
71)	Isopropylbenzene	14.62	105	17054	0.55 ug/L		94
72)	1,1,2,2-Tetrachloroethane	14.88	83	5269	0.51 ug/L	#	88
74)	1,2,3-Trichloropropane	15.11	75	5413	0.72 ug/L		100
75)	trans-1,4-Dichloro-2-buten	15.24	89	1589	0.51 ug/L	#	56
76)	n-Propylbenzene	15.24	91	20202	0.46 ug/L		82

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	3672	0.48 ug/L #	84
78)	1,3,5-Trimethylbenzene	15.49	105	14851	0.59 ug/L	95
79)	2-Chlorotoluene	15.49	91	13703	0.48 ug/L	71
80)	4-Chlorotoluene	15.58	91	10812	0.41 ug/L	70
81)	tert-butylbenzene	16.04	119	11641	0.52 ug/L #	64
82)	1,2,4-Trimethylbenzene	16.10	105	13723	0.52 ug/L #	52
83)	Diisobutylketone	15.19	57	50025	2.88 ug/L #	80
84)	sec-butylbenzene	16.38	105	18696	0.56 ug/L	83
85)	p-isopropyltoluene	16.59	119	15386	0.54 ug/L	87
86)	1,3-Dichlorobenzene	16.72	146	6736	0.46 ug/L #	80
88)	1,4-Dichlorobenzene	16.88	146	7320	0.56 ug/L	87
89)	n-butylbenzene	17.25	91	14075	0.53 ug/L	74
90)	1,2-Dichlorobenzene	17.45	146	6107	0.52 ug/L	91
92)	1,2-Dibromo-3-chloropropan	18.69	75	1648	0.24 ug/L #	81
94)	1,2,4-Trichlorobenzene	20.10	180	4845	0.58 ug/L	98
95)	Hexachlorobutadiene	20.34	225	2386	0.40 ug/L	95
96)	Naphthalene	20.49	128	13546	0.63 ug/L	96
97)	1,2,3-Trichlorobenzene	20.90	180	4125	0.55 ug/L	90
98)	1,3,5-Trichlorobenzene	19.10	180	5312	0.61 ug/L	92

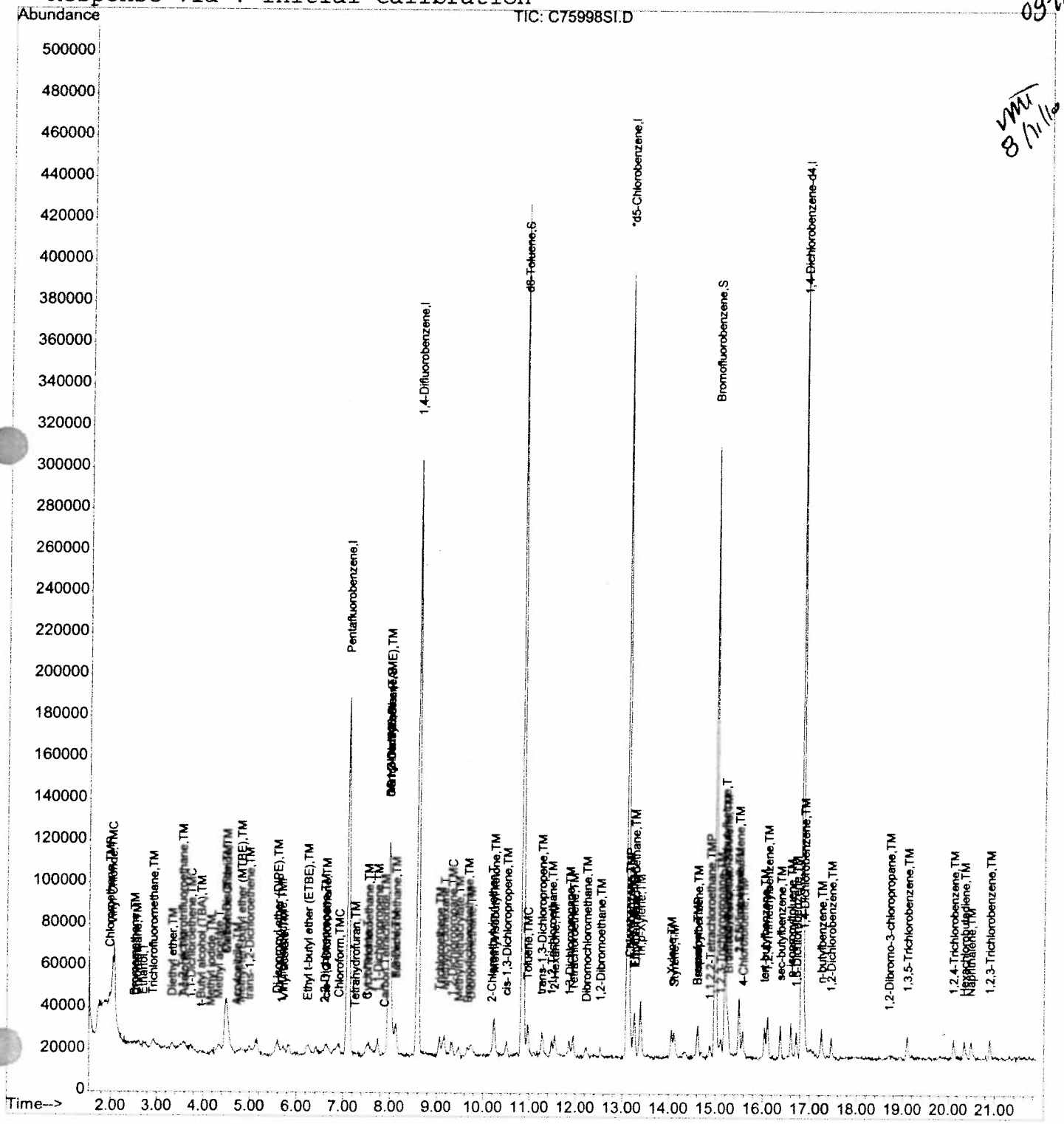
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JK 09-11-10



VMT 8/11/10

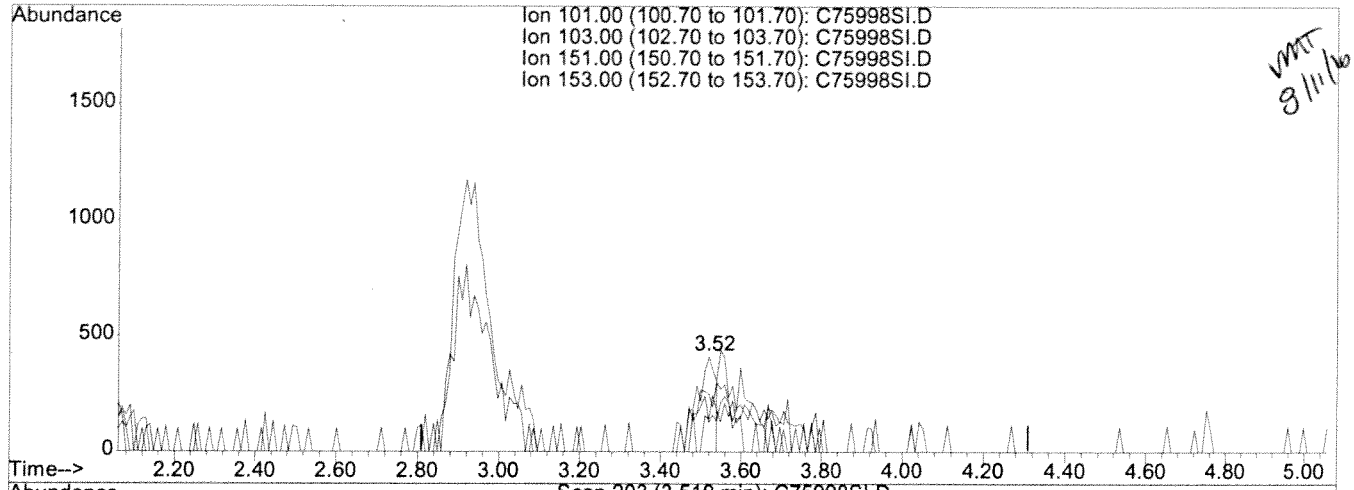
Quantitation Report (Qedit)

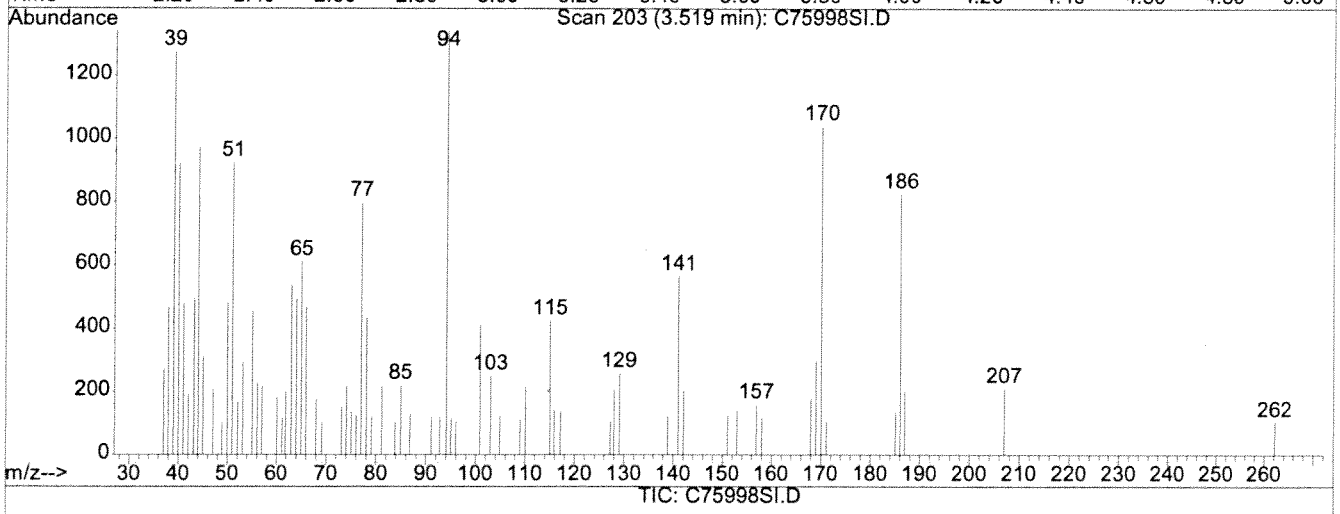
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL
09.11.10
KSP

VMT
9/11/10





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.52min 0.20ug/L

response 1358

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	28.57#
151.00	44.60	0.00#
153.00	24.40	37.19#

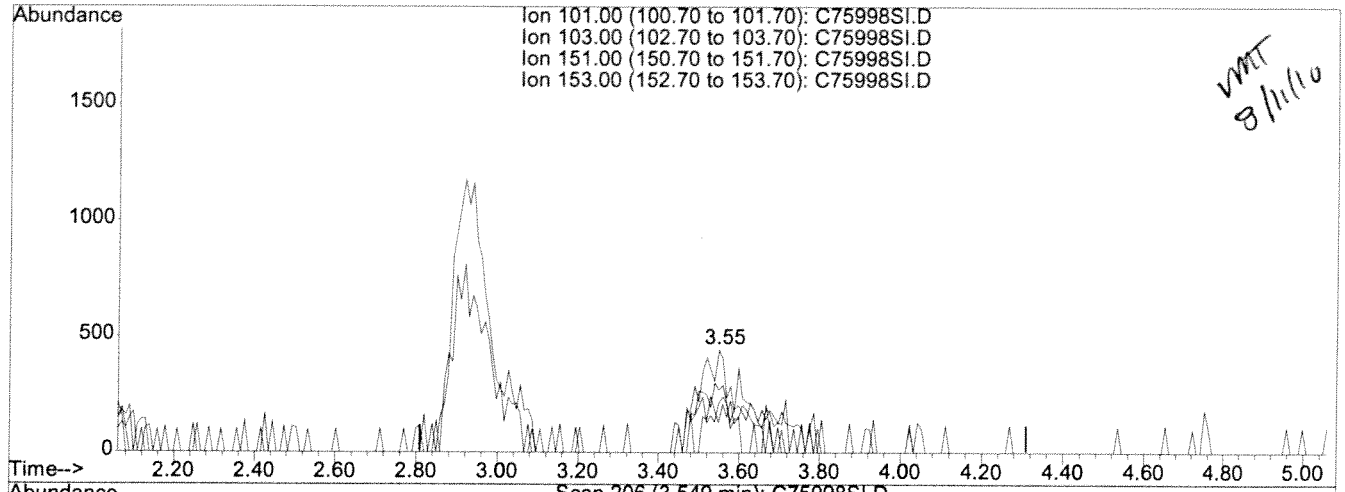
C75998SI.D V808100C.M Tue Aug 10 13:12:28 2010

Quantitation Report (Qedit)

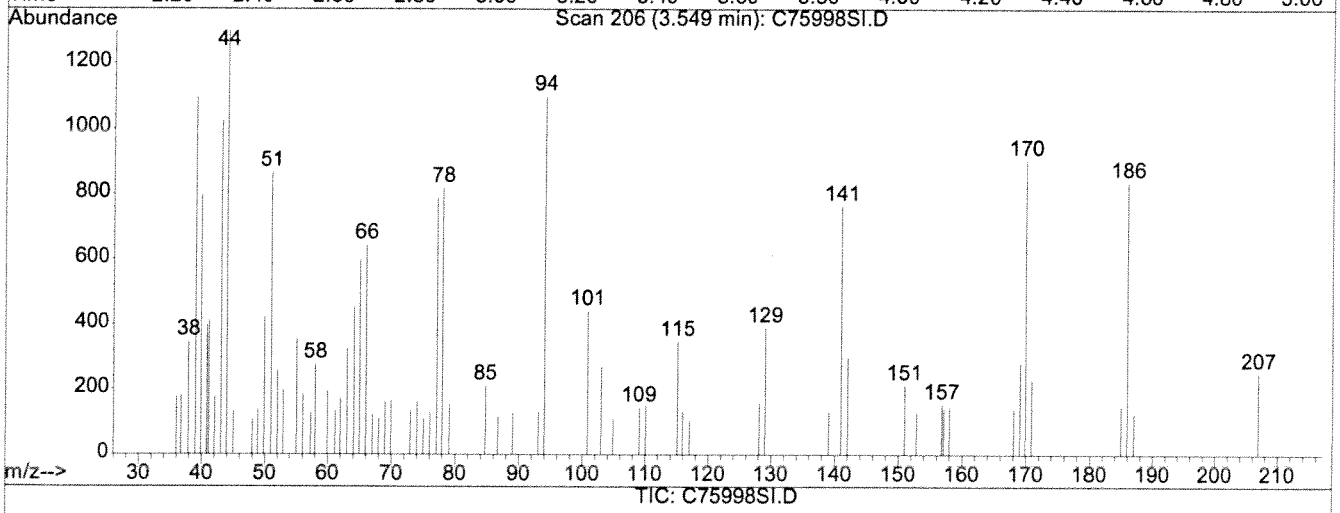
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 08/11/10



VMT 8/11/10



(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.55min 0.56ug/L m

response 3848

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	10.08#
151.00	44.60	0.00#
153.00	24.40	13.12#

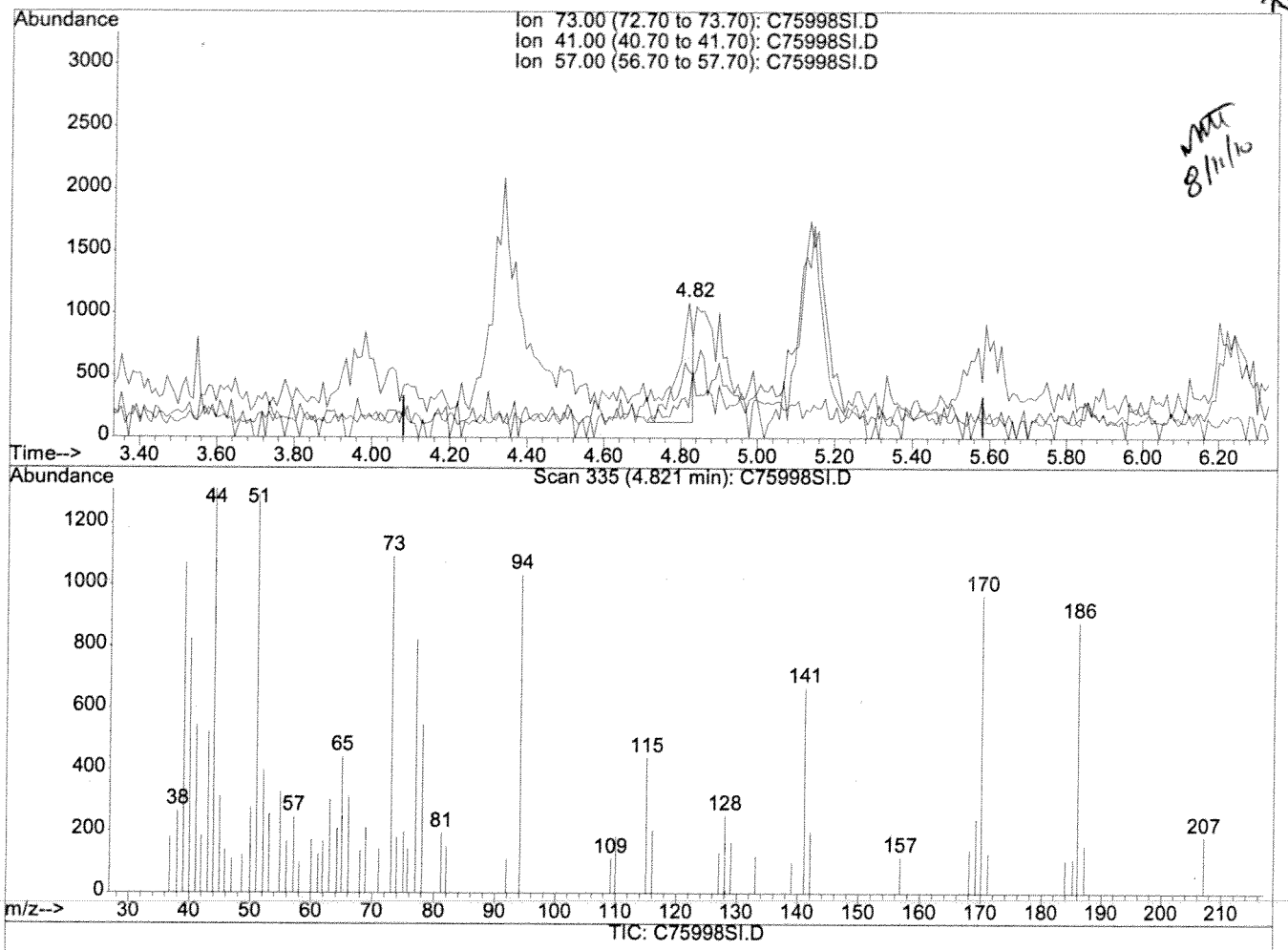
C75998SI.D V808100C.M Tue Aug 10 13:12:37 2010

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JR 08.11.10 XBP



MTT 8/11/10

(19) Methyl-tert-butyl ether (TM)

4.82min 0.15ug/L

response 2513

Ion	Exp%	Act%
73.00	100	100
41.00	22.90	22.68
57.00	16.50	0.00#
0.00	0.00	0.00

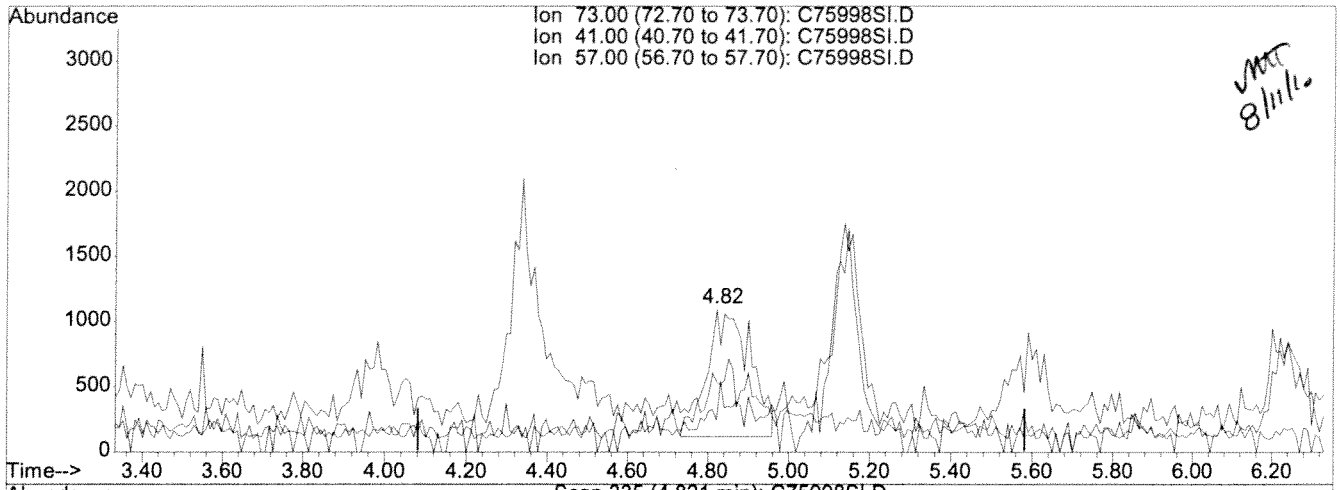
C75998SI.D V808100C.M Tue Aug 10 13:12:52 2010

Quantitation Report (Qedit)

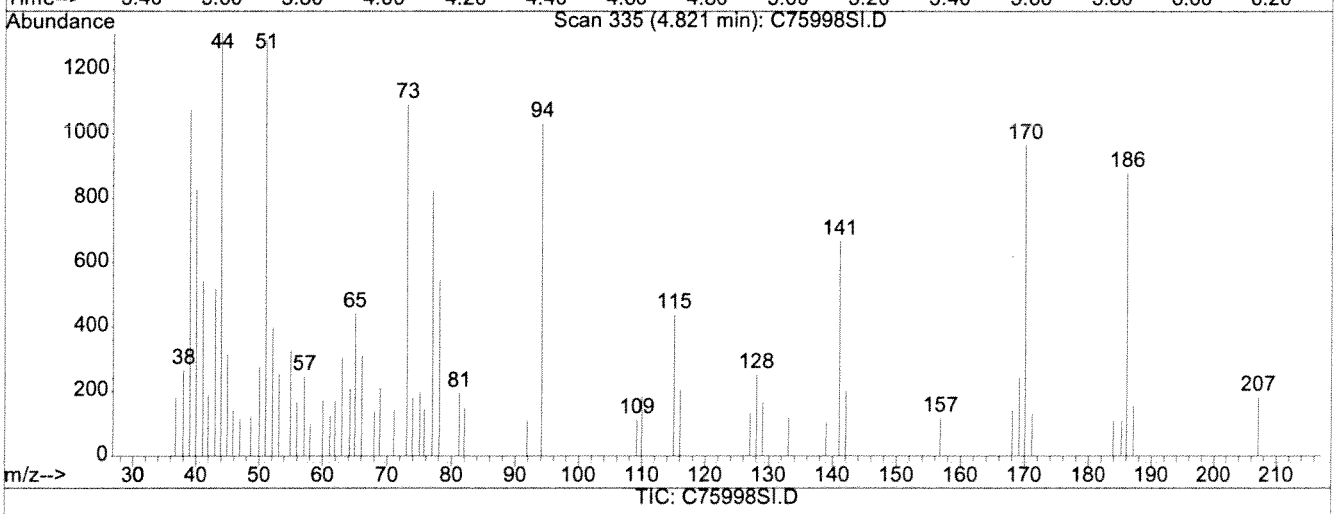
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08.11.10



VMT 8/11/10



TIC: C75998SI.D

(19) Methyl-tert-butyl ether (TM)

4.82min 0.42ug/L m

response 7222

Ion	Exp%	Act%
73.00	100	100
41.00	22.90	7.89#
57.00	16.50	0.00#
0.00	0.00	0.00

C75998SI.D V808100C.M Tue Aug 10 13:12:57 2010

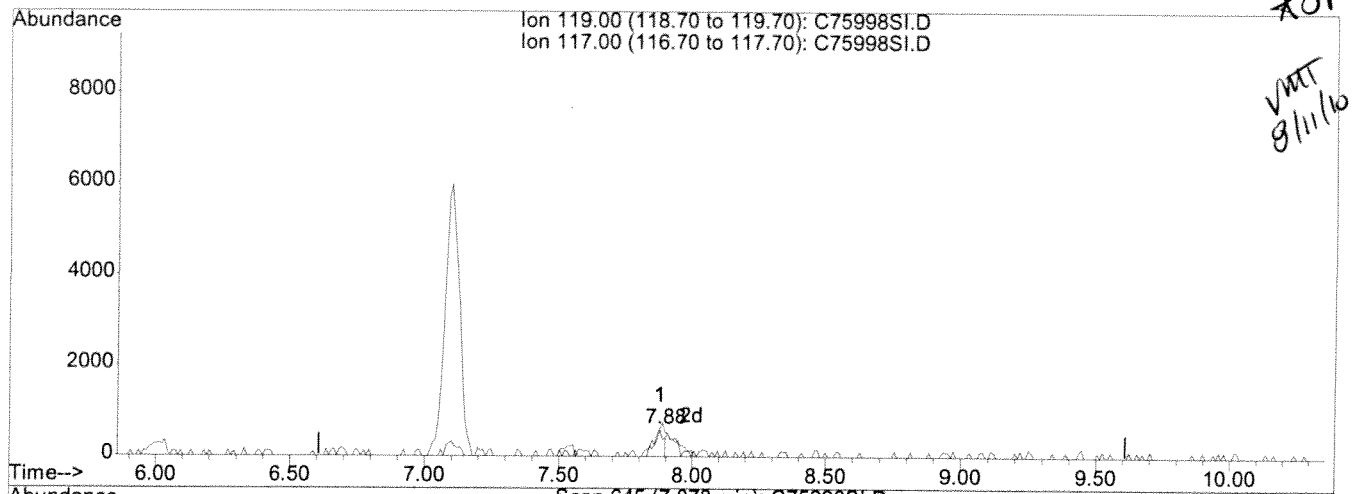
Quantitation Report (Qedit)

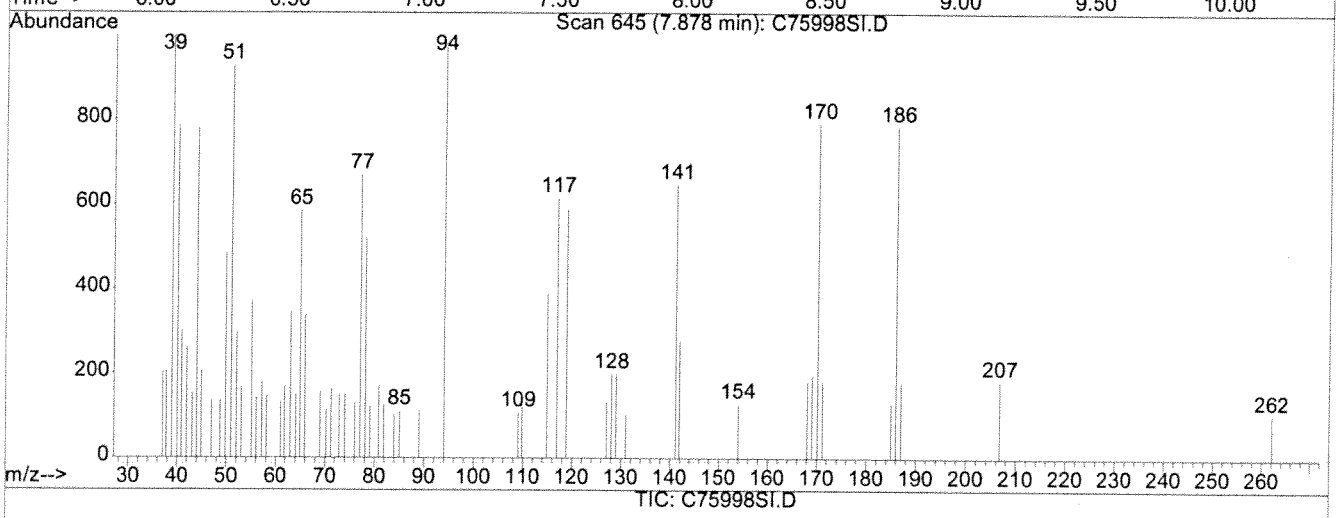
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:12 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

08.11.10
KSP

VMT
8/11/10





(35) Carbon Tetrachloride (TM)

7.88min 0.23ug/L

response 1448

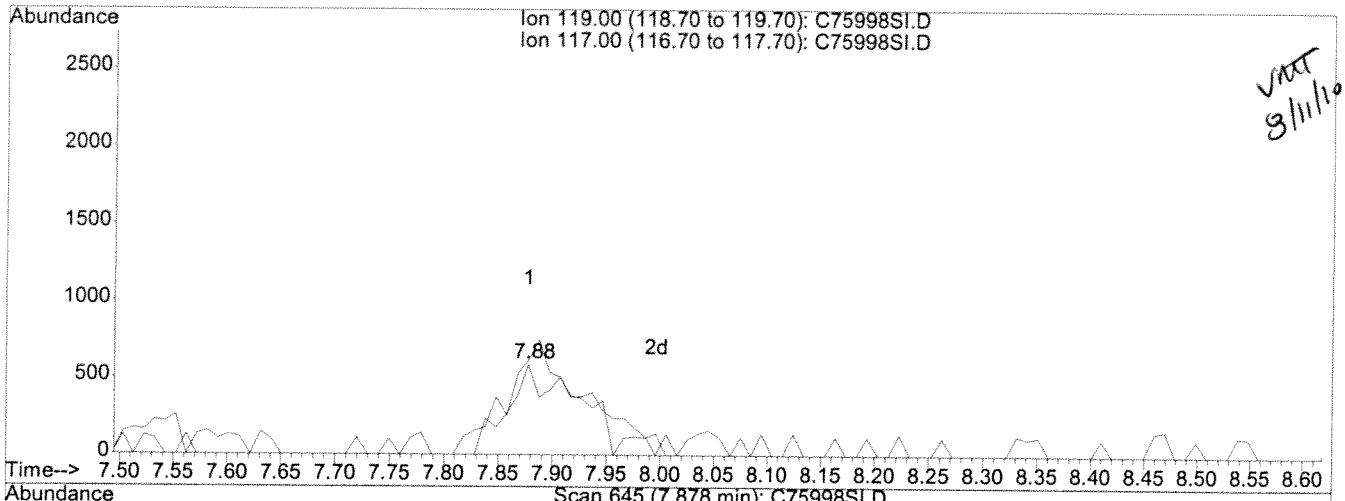
Ion	Exp%	Act%
119.00	100	100
117.00	101.10	84.33
0.00	0.00	0.00
0.00	0.00	0.00

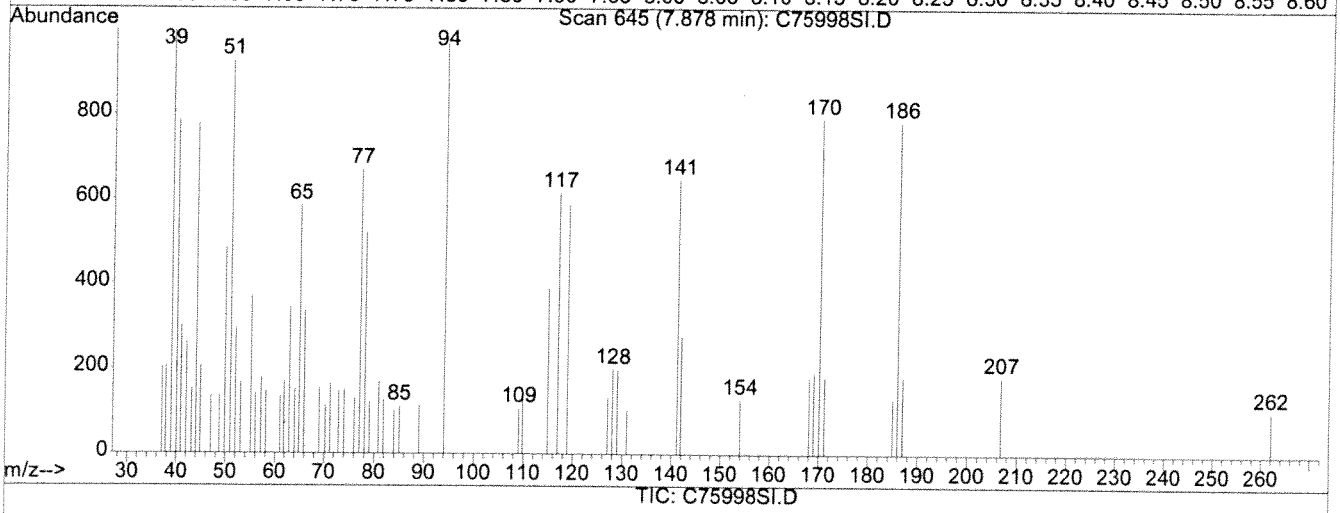
C75998SI.D V808100C.M Tue Aug 10 13:13:21 2010

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





(35) Carbon Tetrachloride (TM)

7.88min 0.41ug/L m

response 2580

Ion	Exp%	Act%
119.00	100	100
117.00	101.10	104.77
0.00	0.00	0.00
0.00	0.00	0.00

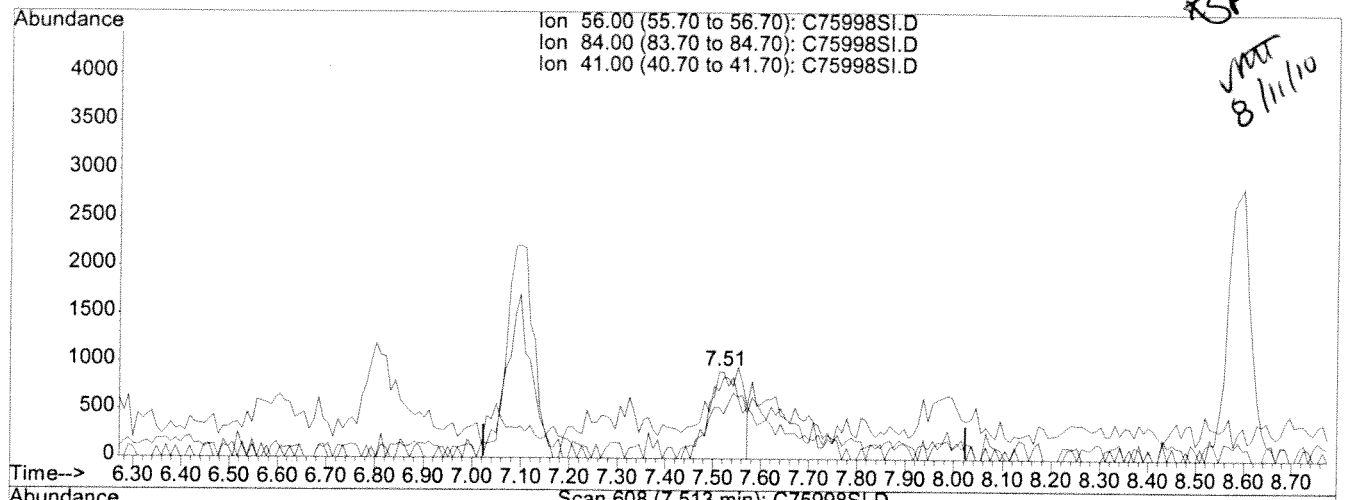
C75998SI.D V808100C.M Tue Aug 10 13:13:26 2010

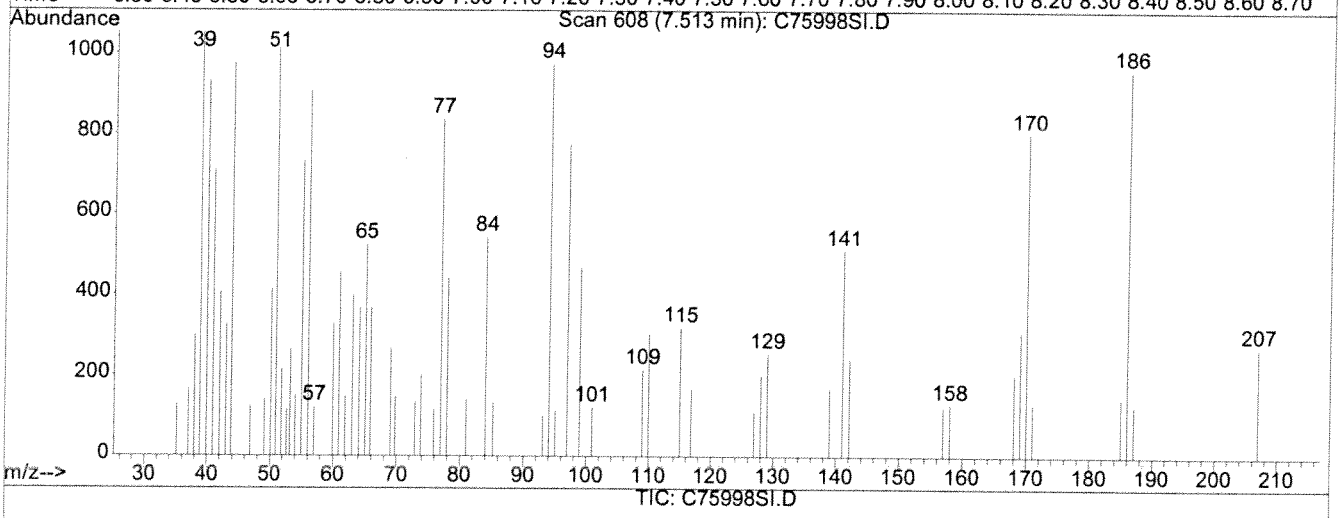
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08.11.10 RSP VMT 8/11/10





(44) Cyclohexane (T)

7.51min 0.39ug/L

response 4365

Ion	Exp%	Act%
56.00	100	100
84.00	102.90	109.05
41.00	85.20	47.31#
0.00	0.00	0.00

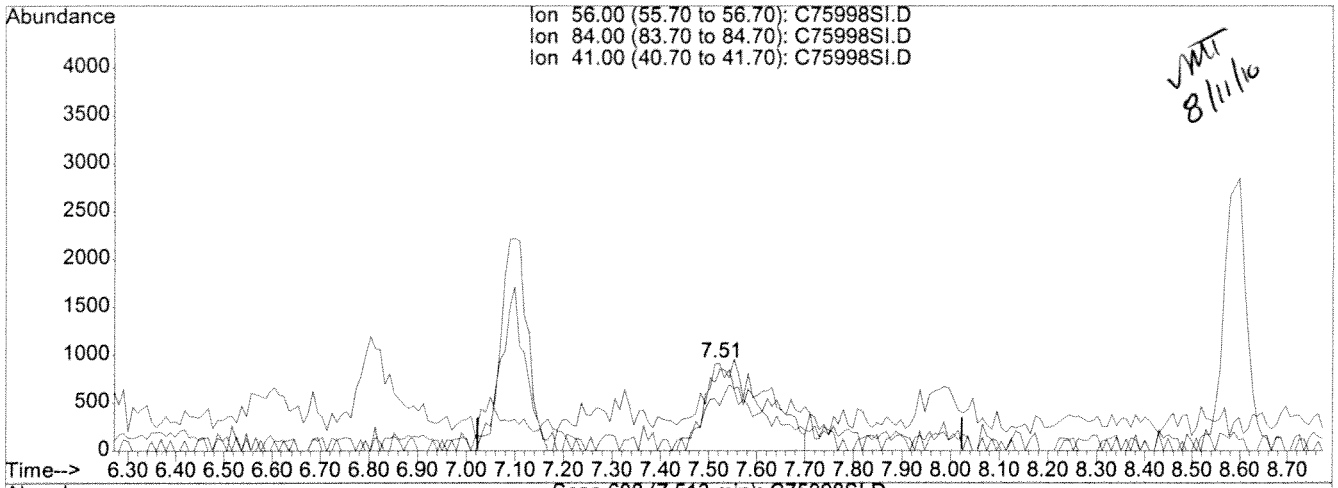
C75998SI.D V808100C.M Tue Aug 10 13:13:34 2010

Quantitation Report (Qedit)

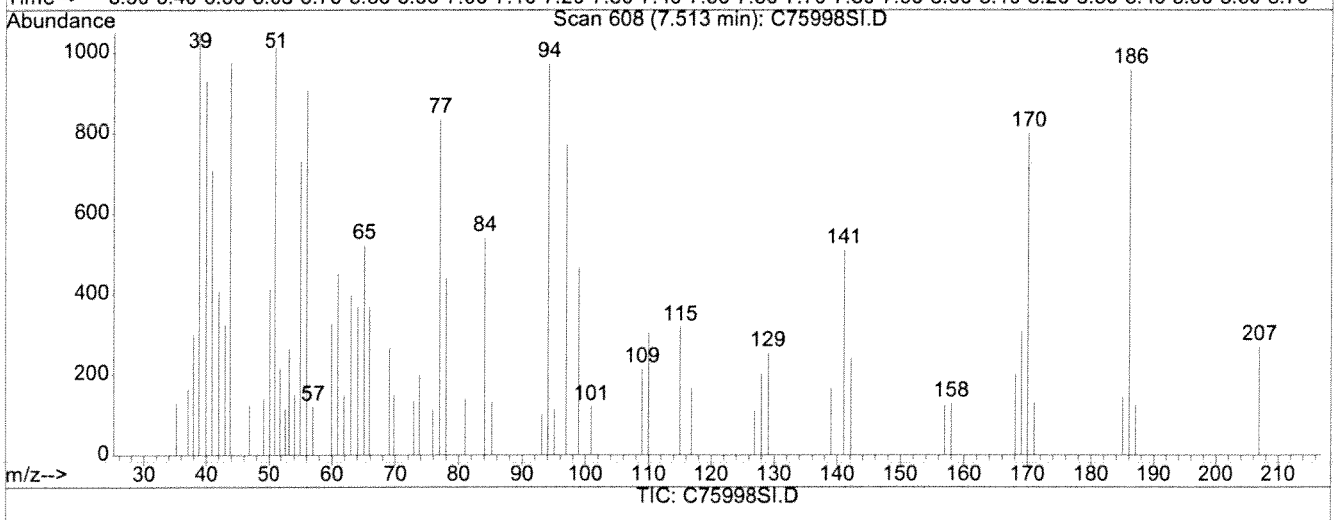
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75998SI.D Vial: 6
Acq On : 10 Aug 2010 12:13 pm Operator: JK
Sample : 0.5 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:13 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08/11/10



VMT 8/11/10



(44) Cyclohexane (T)

7.51min 0.68ug/L m

response 7637

Ion	Exp%	Act%
56.00	100	100
84.00	102.90	62.33#
41.00	85.20	27.04#
0.00	0.00	0.00

C75998SI.D V808100C.M Tue Aug 10 13:13:39 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08/11/10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	198221	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.59	114	390972	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	340345	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	151939	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	154484	21.57 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 107.85%		
36) d4-1,2-Dichloroethane	7.98	65	154629	21.58 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 107.90%		
54) d8-Toluene	10.85	98	426995	17.57 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 87.85%		
73) Bromofluorobenzene	14.99	95	160133	15.83 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 79.15%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	9197	0.40 ug/L	98
3) Chloromethane	1.99	50	14076	1.58 ug/L	97
4) Vinyl Chloride	2.03	62	9435	1.42 ug/L	91
5) Bromomethane	2.51	94	6200	1.00 ug/L #	70
6) Chloroethane	2.59	64	6183	0.76 ug/L	84
7) t-Butyl alcohol (TBA)	3.98	59	4448m	8.69 ug/L	
8) Trichlorofluoromethane	2.92	101	12357	0.97 ug/L	80
9) Diethyl ether	3.33	74	3156	0.88 ug/L	85
10) 1,1,2-Trichlorotrifluoroet	3.51	101	6600m	0.96 ug/L	
11) Acrolein	3.48	56	3509	4.24 ug/L #	38
12) Acetone	3.59	43	18274	4.61 ug/L	92
13) 1,1-Dichloroethene	3.74	96	6902	1.06 ug/L #	85
14) Methyl iodide	4.20	142	4238	0.58 ug/L #	42
15) Di-isopropyl ether (DIPE)	5.58	45	33239	1.40 ug/L #	85
16) Methylene Chloride	4.49	84	11472	0.55 ug/L #	82
17) Carbon Disulfide	4.49	76	21447	0.92 ug/L #	91
18) Acrylonitrile	4.75	53	2964	1.08 ug/L #	76
19) Methyl-tert-butyl ether (M	4.84	73	11303	0.66 ug/L #	91
20) trans-1,2-Dichloroethene	5.00	61	12094	1.27 ug/L	80
21) 1,1-Dichloroethane	5.68	63	16602	1.39 ug/L	96
22) Vinyl acetate	5.74	43	12856	1.08 ug/L	99
23) Methyl ethyl ketone	6.42	72	3902	Below Cal #	89
24) Ethyl t-butyl ether (ETBE)	6.24	59	24043	1.16 ug/L #	83
25) 2,2-Dichloropropane	6.57	77	9139	1.08 ug/L	99
26) cis-1,2-Dichloroethene	6.65	96	8589	1.11 ug/L	94
27) t-Amyl methyl ether (TAME)	7.97	73	19212	1.01 ug/L #	87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 09.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
29)	Chloroform	6.90	83	13962	0.96 ug/L		88
30)	Bromochloromethane	7.13	128	5842	0.23 ug/L	#	74
31)	Tetrahydrofuran	7.27	71	1219	1.07 ug/L	#	87
32)	1,1,1-Trichloroethane	7.52	97	10756	0.89 ug/L		83
33)	Ethanol	2.72	45	7953	56.23 ug/L	#	84
34)	1,1-Dichloropropene	7.74	75	11439	1.13 ug/L		96
35)	Carbon Tetrachloride	7.91	119	5445	0.85 ug/L	#	76
37)	1,2-Dichloroethane	8.13	62	9960	1.05 ug/L		94
38)	Benzene	8.12	78	27681	1.06 ug/L		99
40)	Trichloroethene	9.06	95	11064	1.09 ug/L	#	49
41)	1,2-Dichloropropane	9.33	63	8155	1.05 ug/L		90
42)	Methylmethacrylate	9.47	69	5310	0.95 ug/L	#	84
43)	Methyl acetate	4.31	43	15519	1.71 ug/L	#	85
44)	Cyclohexane	7.53	56	12718	1.09 ug/L	#	34
45)	Bromodichloromethane	9.67	83	8768	0.74 ug/L		88
46)	Dibromomethane	9.73	93	7151	1.05 ug/L		89
47)	1,4-Dioxane	9.76	88	2244	Below Cal	#	42
48)	Methylcyclohexane	9.16	83	11470	0.81 ug/L	#	72
50)	2-Chloroethylvinyl ether	10.18	63	4344	1.01 ug/L	#	85
51)	2-Hexanone	11.54	58	15373	5.32 ug/L		73
52)	Methyl isobutyl ketone	10.23	58	17051	5.59 ug/L	#	67
53)	cis-1,3-Dichloropropene	10.50	75	11780	0.88 ug/L		99
55)	Toluene	10.96	92	17342	0.87 ug/L	#	78
56)	trans-1,3-Dichloropropene	11.27	75	11100	0.84 ug/L		91
58)	1,1,2-Trichloroethane	11.48	83	5265	0.78 ug/L		93
59)	1,3-Dichloropropane	11.87	76	12933	0.98 ug/L		97
60)	Tetrachloroethene	11.95	166	7499	0.93 ug/L		95
61)	Dibromochloromethane	12.24	129	6972	0.69 ug/L		83
62)	1,2-Dibromoethane	12.54	107	7506	0.91 ug/L		99
64)	Chlorobenzene	13.18	112	19398	1.08 ug/L		84
65)	1,1,1,2-Tetrachloroethane	13.26	131	6705	0.82 ug/L		90
66)	Ethylbenzene	13.27	91	30453	0.82 ug/L		87
67)	m,p-Xylene	13.40	106	24835	2.12 ug/L	#	51
68)	o-Xylene	14.06	106	11948	1.05 ug/L	#	60
69)	Styrene	14.12	104	20450	1.00 ug/L		74
70)	Bromoform	14.60	173	2885	0.59 ug/L		99
71)	Isopropylbenzene	14.62	105	30016	0.96 ug/L		82
72)	1,1,2,2-Tetrachloroethane	14.88	83	8942	0.85 ug/L		93
74)	1,2,3-Trichloropropane	15.10	75	8180	1.08 ug/L		95
75)	trans-1,4-Dichloro-2-buten	15.24	89	2389	0.76 ug/L	#	28
76)	n-Propylbenzene	15.24	91	36642	0.83 ug/L		86

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.28	156	7083	0.92 ug/L #	71
78)	1,3,5-Trimethylbenzene	15.50	105	25617	1.00 ug/L	87
79)	2-Chlorotoluene	15.50	91	22735	0.79 ug/L	83
80)	4-Chlorotoluene	15.57	91	21921	0.81 ug/L	71
81)	tert-butylbenzene	16.04	119	22157	0.97 ug/L #	73
82)	1,2,4-Trimethylbenzene	16.11	105	27304	1.02 ug/L	77
83)	Diisobutylketone	15.20	57	93436	5.33 ug/L #	77
84)	sec-butylbenzene	16.37	105	34438	1.02 ug/L	89
85)	p-isopropyltoluene	16.60	119	28305	0.99 ug/L	82
86)	1,3-Dichlorobenzene	16.72	146	12831	0.87 ug/L #	80
88)	1,4-Dichlorobenzene	16.89	146	13236	1.00 ug/L #	82
89)	n-butylbenzene	17.25	91	25940	0.96 ug/L	79
90)	1,2-Dichlorobenzene	17.46	146	12128	1.02 ug/L #	75
92)	1,2-Dibromo-3-chloropropan	18.70	75	2314	0.71 ug/L	92
94)	1,2,4-Trichlorobenzene	20.10	180	9017	1.07 ug/L	99
95)	Hexachlorobutadiene	20.35	225	4758	0.79 ug/L	97
96)	Naphthalene	20.49	128	22523	1.04 ug/L	98
97)	1,2,3-Trichlorobenzene	20.90	180	8508	1.12 ug/L #	77
98)	1,3,5-Trichlorobenzene	19.09	180	8980	1.02 ug/L	92

(#) = qualifier out of range (m) = manual integration

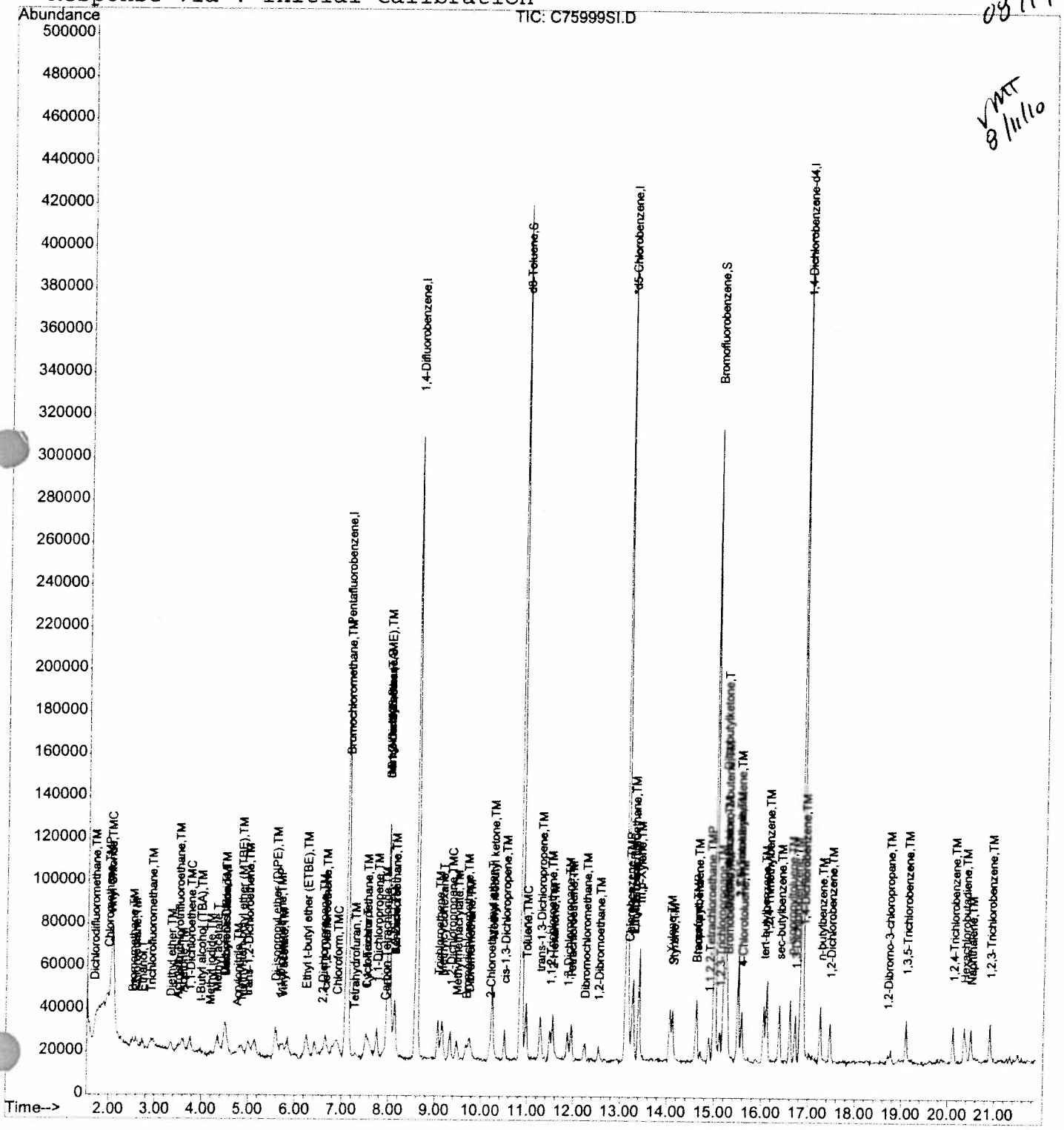
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JK 08.11.10

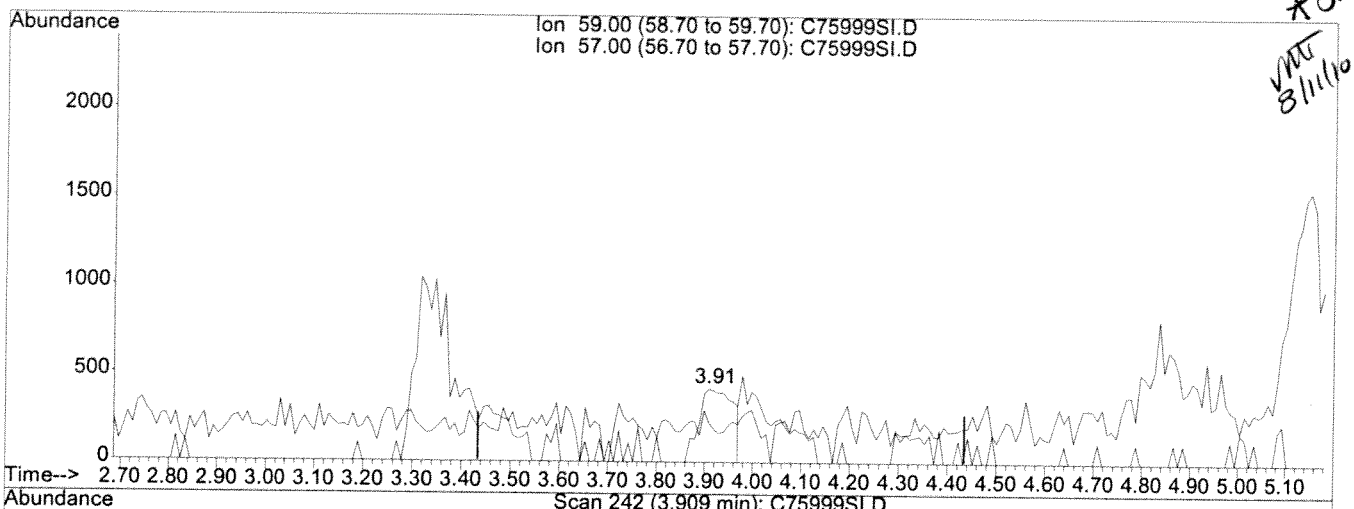
VMT 8/11/10

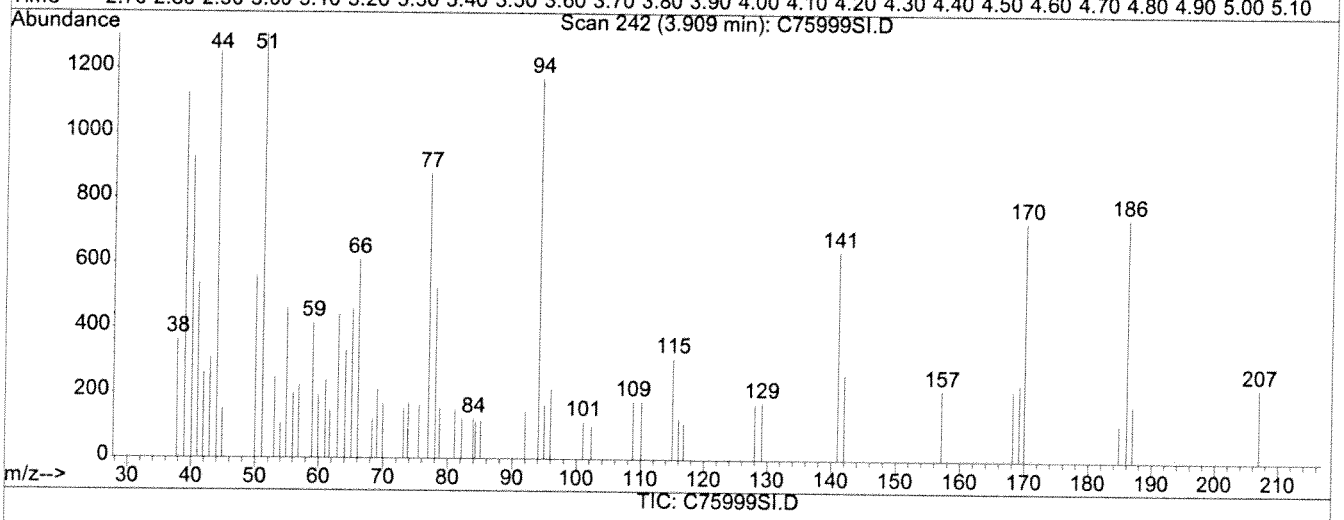


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:14 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





(7) t-Butyl alcohol (TBA) (TM)

3.91min 4.05ug/L

response 2075

Ion	Exp%	Act%
59.00	100	100
57.00	8.10	7.95
0.00	0.00	0.00
0.00	0.00	0.00

C75999SI.D V808100C.M Tue Aug 10 13:14:50 2010

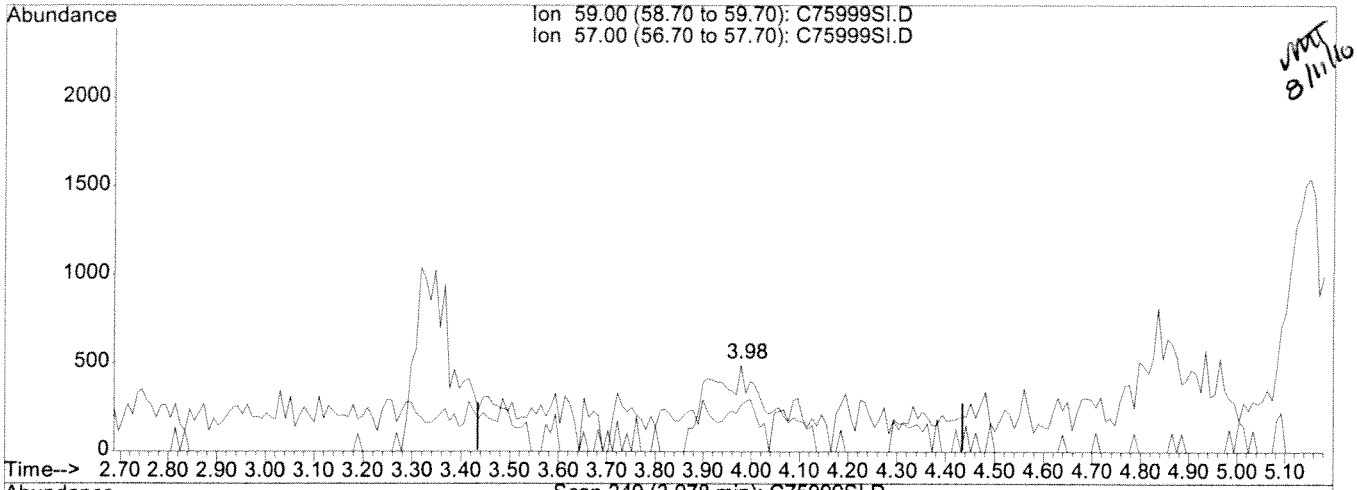
Quantitation Report (Qedit)

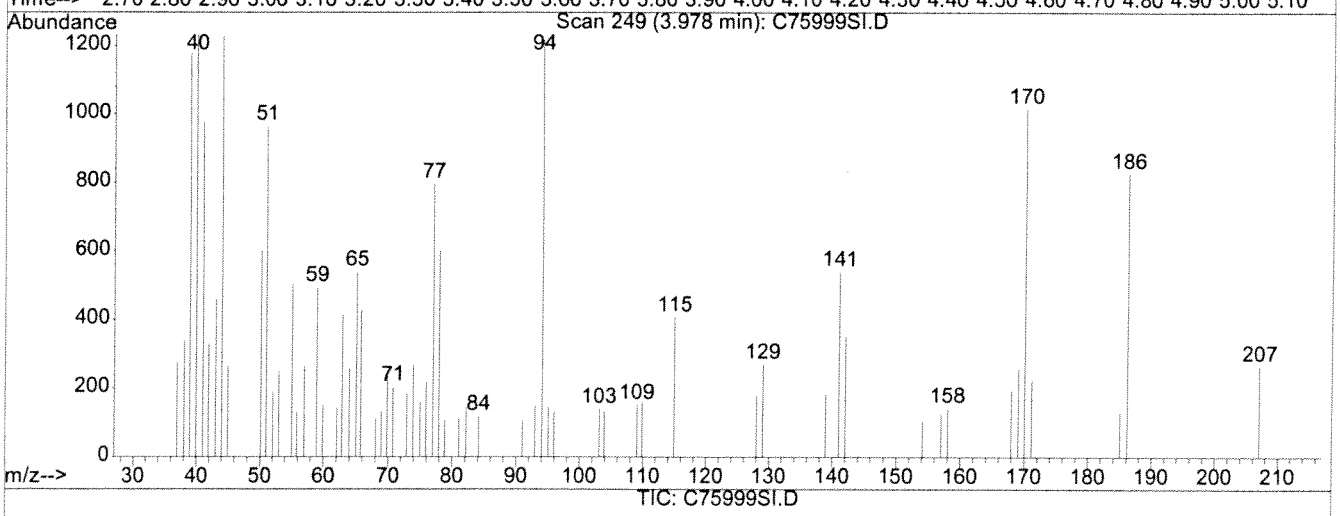
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:14 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 09.11.10

MT 8/11/10





(7) t-Butyl alcohol (TBA) (TM)

3.98min 8.69ug/L m

response 4448

Ion	Exp%	Act%
59.00	100	100
57.00	8.10	3.71#
0.00	0.00	0.00
0.00	0.00	0.00

C75999SI.D V808100C.M Tue Aug 10 13:14:54 2010

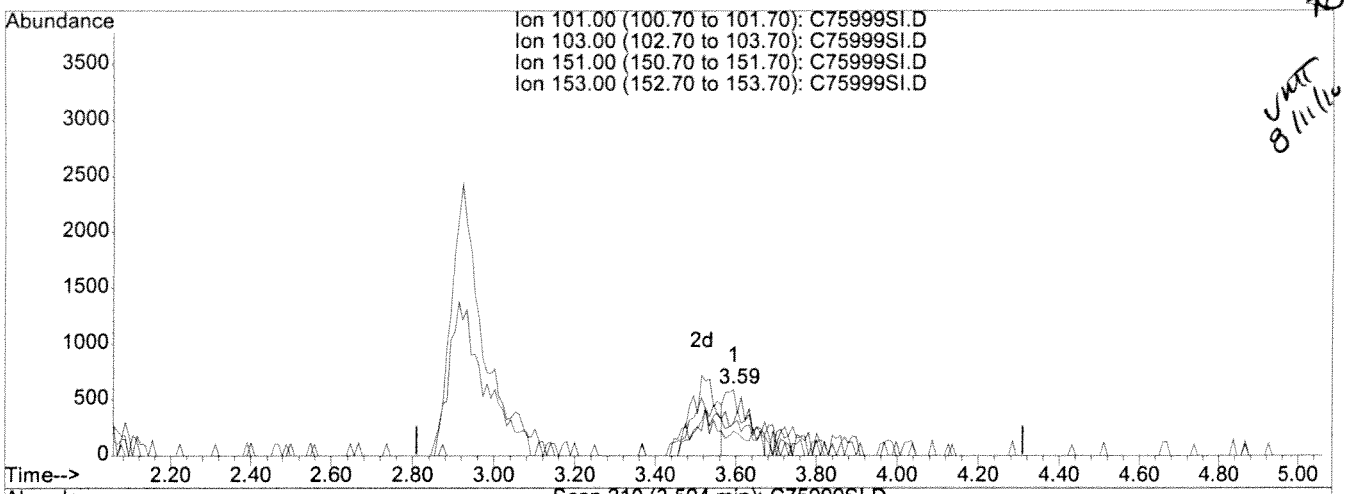
Quantitation Report (Qedit)

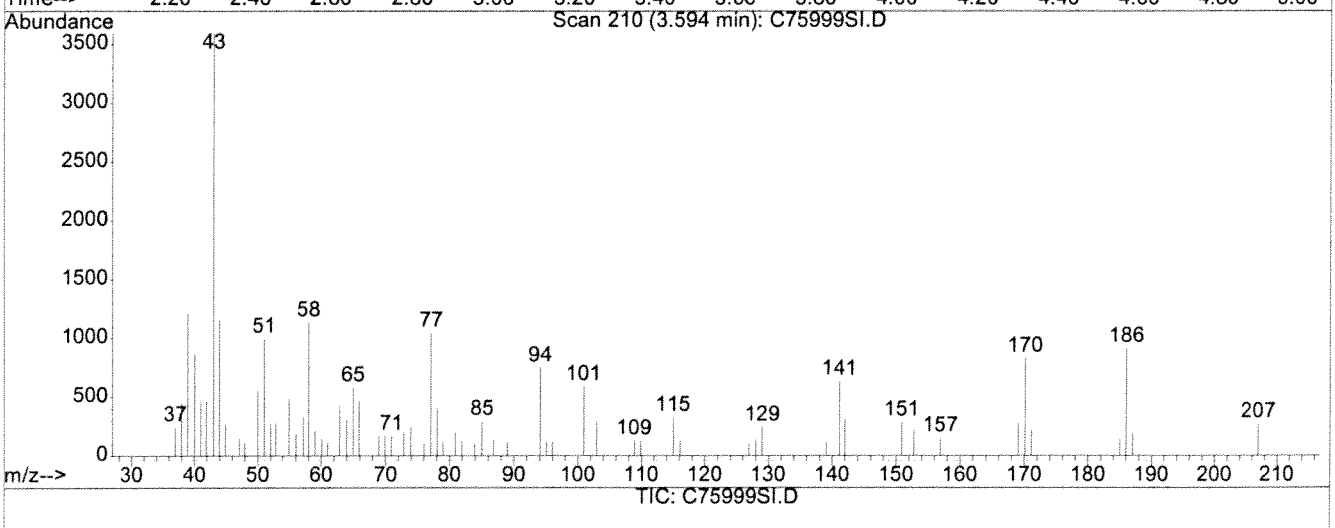
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:14 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 08.11.10 KSP

UMT 8/11/10





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.59min 0.37ug/L

response 2526

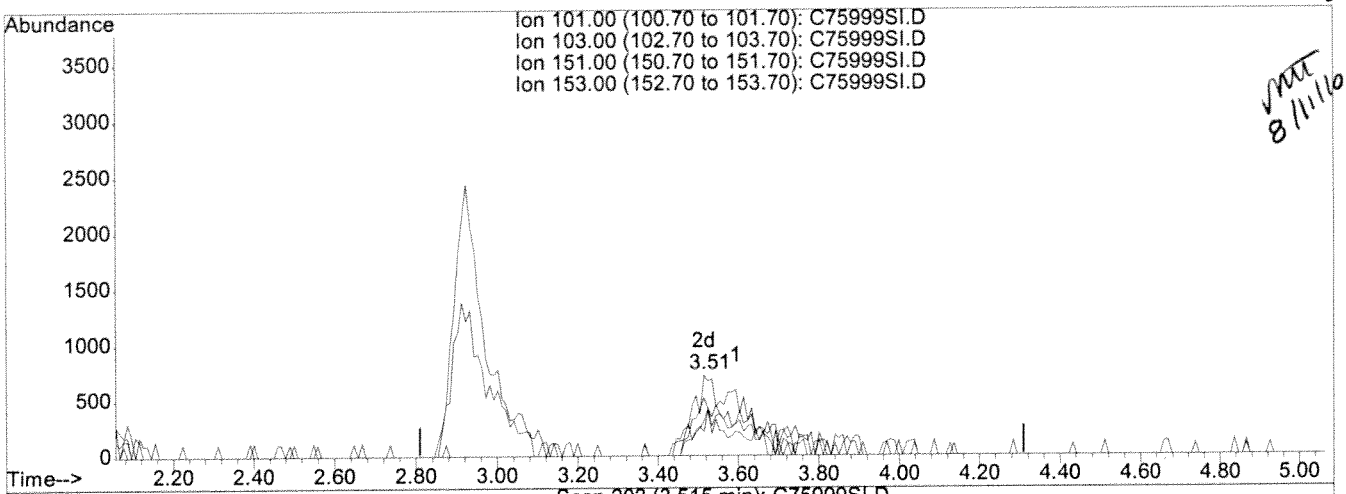
Ion	Exp%	Act%
101.00	100	100
103.00	57.00	32.90#
151.00	44.60	0.00#
153.00	24.40	0.00#

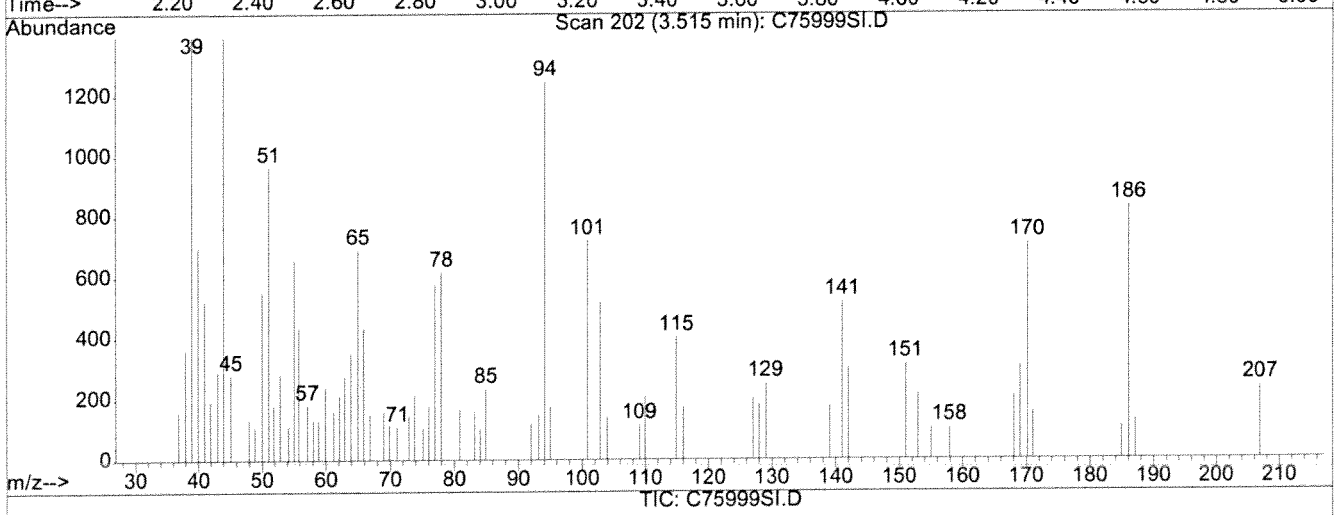
C75999SI.D V808100C.M Tue Aug 10 13:14:58 2010

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C75999SI.D Vial: 7
Acq On : 10 Aug 2010 12:55 pm Operator: JK
Sample : 1.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:15 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.51min 0.96ug/L m

response 6600

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	12.59#
151.00	44.60	0.00#
153.00	24.40	0.00#

C75999SI.D V808100C.M Tue Aug 10 13:15:11 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	201313	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.59	114	385421	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	340024	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	151871	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB Holder #28	7.98	65	149434	20.54 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 102.70%		
36) d4-1,2-Dichloroethane	7.98	65	150166	20.63 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 103.15%		
54) d8-Toluene	10.84	98	425581	17.76 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 88.80%		
73) Bromofluorobenzene	14.99	95	162485	16.08 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.40%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	14796	1.08 ug/L	95
3) Chloromethane	1.98	50	19678	2.22 ug/L	92
4) Vinyl Chloride	2.02	62	15136	2.25 ug/L	96
5) Bromomethane	2.52	94	7346	1.17 ug/L	90
6) Chloroethane	2.59	64	11576	1.96 ug/L	96
7) t-Butyl alcohol (TBA)	3.95	59	7319	14.08 ug/L #	84
8) Trichlorofluoromethane	2.92	101	20977	1.62 ug/L	100
9) Diethyl ether	3.34	74	6224	1.71 ug/L	89
10) 1,1,2-Trichlorotrifluoroet	3.54	101	13419m	1.92 ug/L	
11) Acrolein	3.47	56	5209	8.08 ug/L #	68
12) Acetone	3.58	43	31342	10.88 ug/L #	80
13) 1,1-Dichloroethene	3.76	96	13389	2.03 ug/L #	88
14) Methyl iodide	4.21	142	8450	1.14 ug/L #	51
15) Di-isopropyl ether (DIPE)	5.58	45	57168	2.37 ug/L #	86
16) Methylene Chloride	4.50	84	21759	1.96 ug/L #	83
17) Carbon Disulfide	4.47	76	42861	1.81 ug/L	98
18) Acrylonitrile	4.73	53	6788	2.43 ug/L #	80
19) Methyl-tert-butyl ether (M	4.86	73	23557	1.35 ug/L #	77
20) trans-1,2-Dichloroethene	4.99	61	21851	2.26 ug/L	79
21) 1,1-Dichloroethane	5.69	63	26125	2.15 ug/L	94
22) Vinyl acetate	5.73	43	19956	1.65 ug/L #	94
23) Methyl ethyl ketone	6.41	72	6350	3.43 ug/L #	88
24) Ethyl t-butyl ether (ETBE)	6.24	59	42465	2.02 ug/L #	83
25) 2,2-Dichloropropane	6.61	77	13234	1.54 ug/L	100
26) cis-1,2-Dichloroethene	6.64	96	15707	1.99 ug/L #	85
27) t-Amyl methyl ether (TAME)	7.97	73	36551	1.89 ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	24420	1.65 ug/L	99
30)	Bromochloromethane	7.11	128	7595	0.76 ug/L #	74
31)	Tetrahydrofuran	7.26	71	2735m	3.20 ug/L	
32)	1,1,1-Trichloroethane	7.51	97	18179	1.48 ug/L	83
33)	Ethanol	2.72	45	12258	109.18 ug/L #	83
34)	1,1-Dichloropropene	7.74	75	20134	1.96 ug/L	97
35)	Carbon Tetrachloride	7.90	119	10974	1.69 ug/L	94
37)	1,2-Dichloroethane	8.13	62	17543	1.83 ug/L	90
38)	Benzene	8.12	78	48351	1.82 ug/L	96
40)	Trichloroethene	9.06	95	16346	1.63 ug/L #	26
41)	1,2-Dichloropropane	9.33	63	13524	1.77 ug/L	90
42)	Methylmethacrylate	9.47	69	11377	2.06 ug/L #	76
43)	Methyl acetate	4.31	43	21584	2.41 ug/L #	96
44)	Cyclohexane	7.54	56	23766	2.06 ug/L #	69
45)	Bromodichloromethane	9.68	83	16255	1.40 ug/L	99
46)	Dibromomethane	9.75	93	11669	1.74 ug/L #	77
47)	1,4-Dioxane	9.75	88	4356	6.96 ug/L #	64
48)	Methylcyclohexane	9.16	83	20637	1.47 ug/L #	80
50)	2-Chloroethylvinyl ether	10.17	63	7454	1.75 ug/L #	81
51)	2-Hexanone	11.54	58	26876	9.44 ug/L	81
52)	Methyl isobutyl ketone	10.23	58	28281	9.40 ug/L #	71
53)	cis-1,3-Dichloropropene	10.50	75	21655	1.64 ug/L	98
55)	Toluene	10.97	92	31694	1.62 ug/L #	79
56)	trans-1,3-Dichloropropene	11.26	75	19649	1.51 ug/L	90
58)	1,1,2-Trichloroethane	11.48	83	10044	1.52 ug/L	97
59)	1,3-Dichloropropane	11.86	76	21711	1.66 ug/L	93
60)	Tetrachloroethene	11.94	166	14307	1.79 ug/L	84
61)	Dibromochloromethane	12.23	129	13692	1.38 ug/L	87
62)	1,2-Dibromoethane	12.53	107	14011	1.72 ug/L	84
64)	Chlorobenzene	13.18	112	35489	1.98 ug/L #	81
65)	1,1,1,2-Tetrachloroethane	13.25	131	11790	1.44 ug/L	87
66)	Ethylbenzene	13.28	91	55692	1.51 ug/L	88
67)	m,p-Xylene	13.40	106	45032	3.86 ug/L #	49
68)	o-Xylene	14.06	106	22399	1.96 ug/L #	51
69)	Styrene	14.11	104	36793	1.80 ug/L	78
70)	Bromoform	14.60	173	6543	1.34 ug/L	91
71)	Isopropylbenzene	14.62	105	58688	1.87 ug/L	90
72)	1,1,2,2-Tetrachloroethane	14.88	83	17007	1.61 ug/L	95
74)	1,2,3-Trichloropropane	15.10	75	12985	1.71 ug/L #	86
75)	trans-1,4-Dichloro-2-buten	15.24	89	4529	1.44 ug/L #	26
76)	n-Propylbenzene	15.24	91	68692	1.55 ug/L	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JR 08.11.10
VMT 3/11/10

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
77)	Bromobenzene	15.27	156	12373	1.60 ug/L	#	85
78)	1,3,5-Trimethylbenzene	15.50	105	47109	1.85 ug/L		86
79)	2-Chlorotoluene	15.50	91	41778	1.45 ug/L		68
80)	4-Chlorotoluene	15.57	91	38454	1.43 ug/L		59
81)	tert-butylbenzene	16.04	119	40743	1.79 ug/L	#	77
82)	1,2,4-Trimethylbenzene	16.10	105	48187	1.80 ug/L		88
83)	Diisobutylketone	15.19	57	174614	9.96 ug/L	#	78
84)	sec-butylbenzene	16.37	105	64346	1.90 ug/L		88
85)	p-isopropyltoluene	16.60	119	50224	1.75 ug/L		82
86)	1,3-Dichlorobenzene	16.72	146	24843	1.69 ug/L	#	75
88)	1,4-Dichlorobenzene	16.89	146	24790	1.87 ug/L	#	81
89)	n-butylbenzene	17.24	91	47346	1.76 ug/L		82
90)	1,2-Dichlorobenzene	17.45	146	22787	1.92 ug/L	#	80
92)	1,2-Dibromo-3-chloropropan	18.70	75	3596	1.62 ug/L		96
94)	1,2,4-Trichlorobenzene	20.10	180	17129	2.03 ug/L		94
95)	Hexachlorobutadiene	20.35	225	8712	1.45 ug/L		98
96)	Naphthalene	20.49	128	42263	1.94 ug/L		98
97)	1,2,3-Trichlorobenzene	20.90	180	14887	1.97 ug/L		82
98)	1,3,5-Trichlorobenzene	19.09	180	19122	2.17 ug/L		96

(#) = qualifier out of range (m) = manual integration

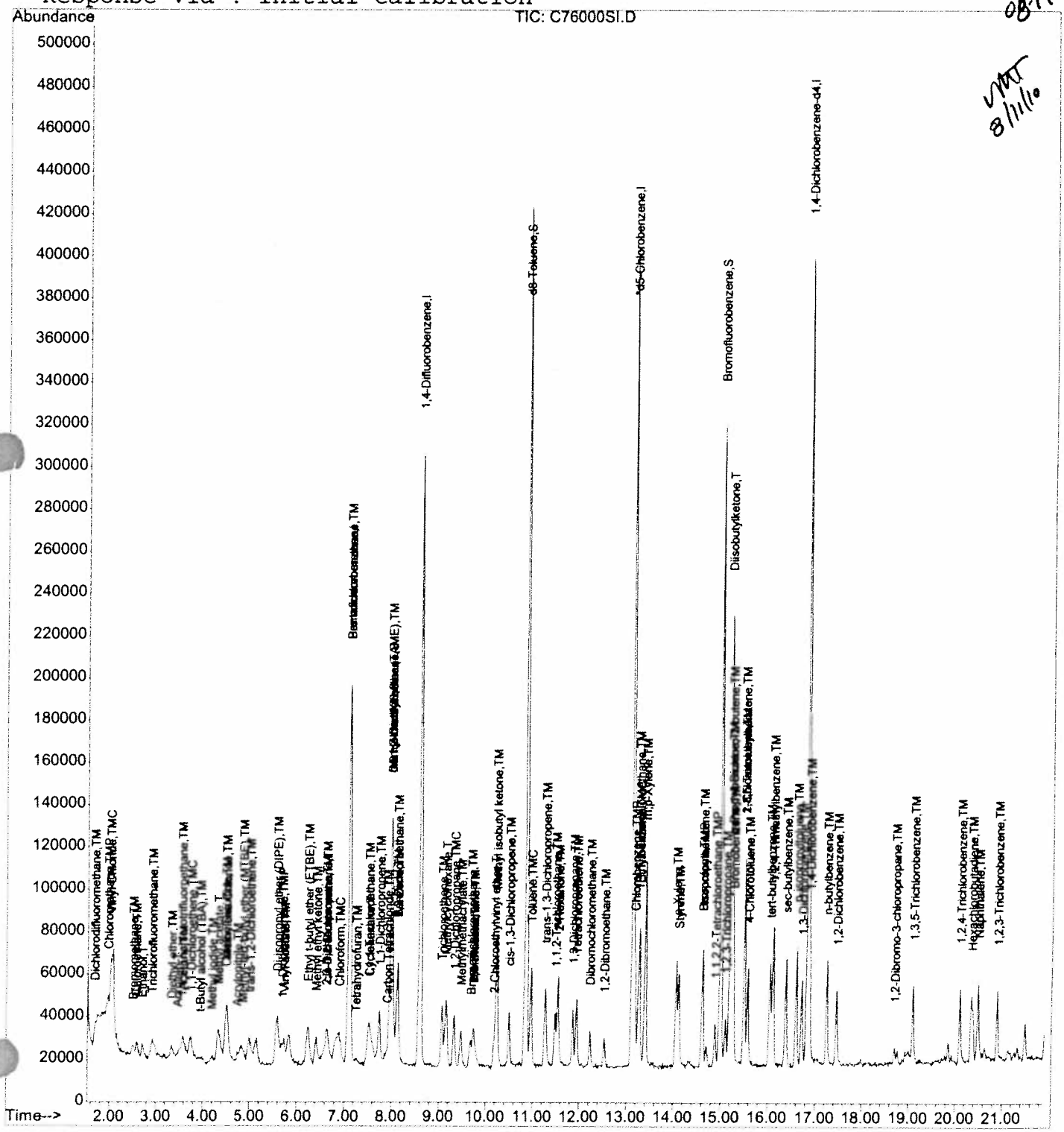
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JK 08.11.1'

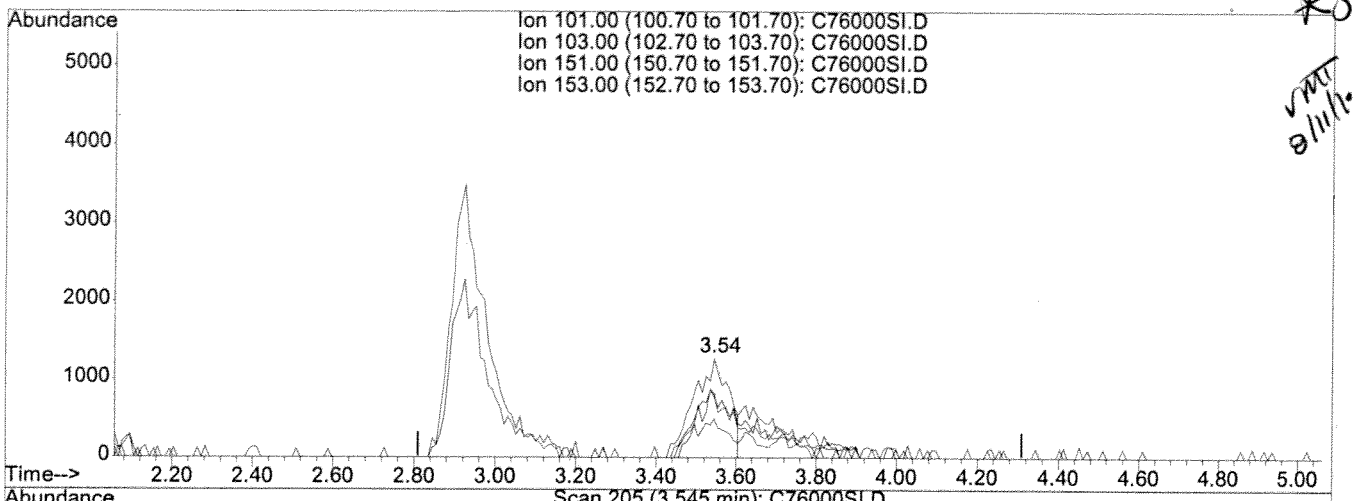
VMT 8/11/10

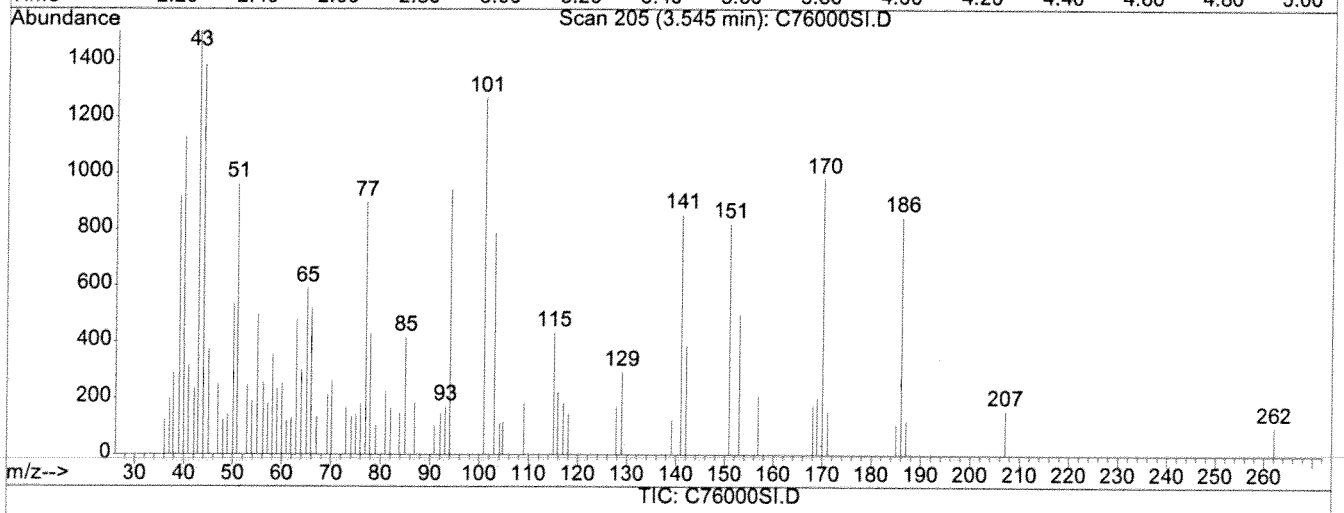


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:32 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.54min 1.12ug/L

response 7842

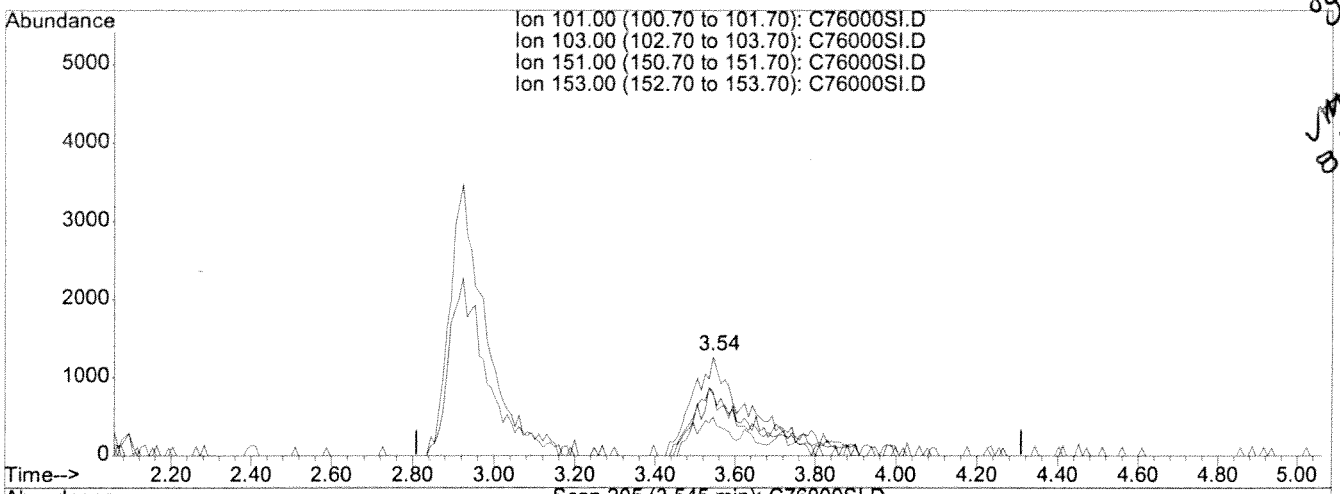
Ion	Exp%	Act%
101.00	100	100
103.00	57.00	80.57#
151.00	44.60	70.07#
153.00	24.40	22.63

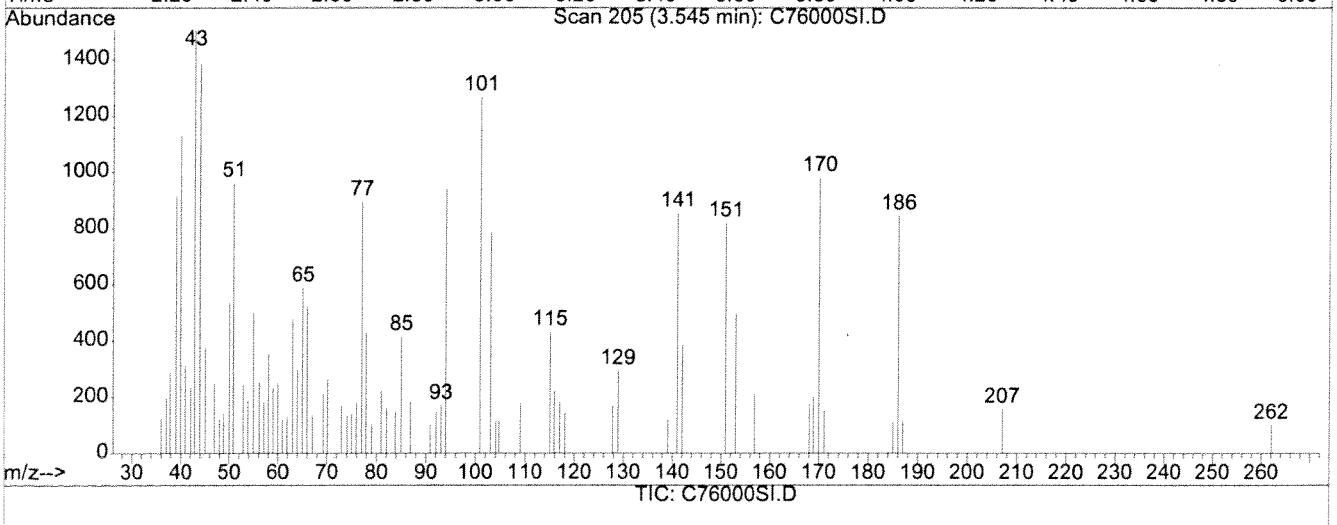
C76000SI.D V808100C.M Tue Aug 10 13:32:37 2010

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:32 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration





TIC: C76000SI.D

(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.54min 1.92ug/L m

response 13419

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	47.08
151.00	44.60	40.95
153.00	24.40	13.23#

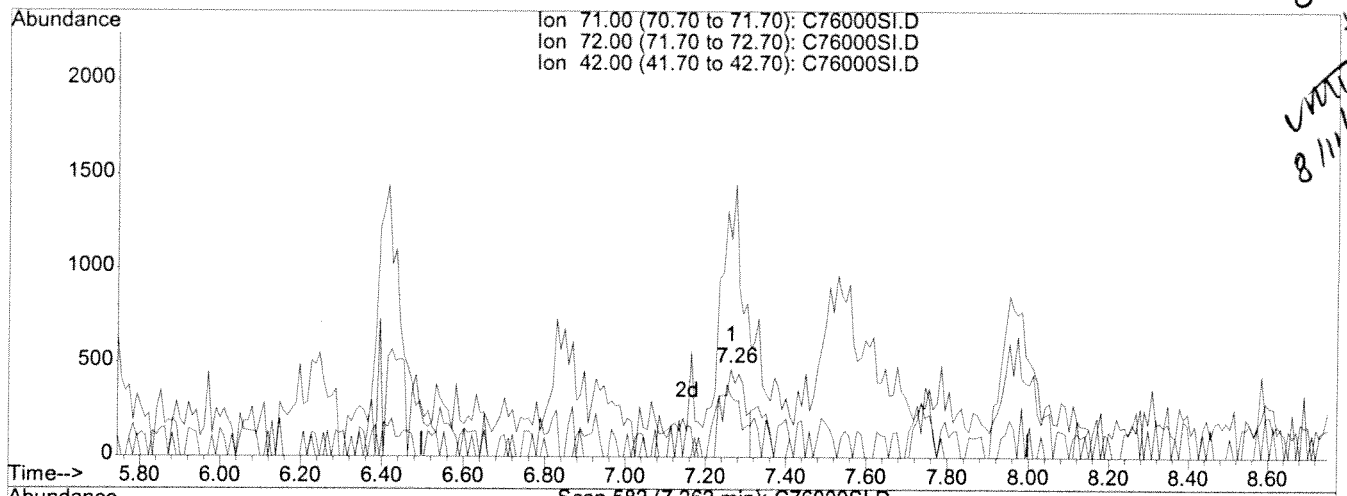
C76000SI.D V808100C.M Tue Aug 10 13:32:51 2010

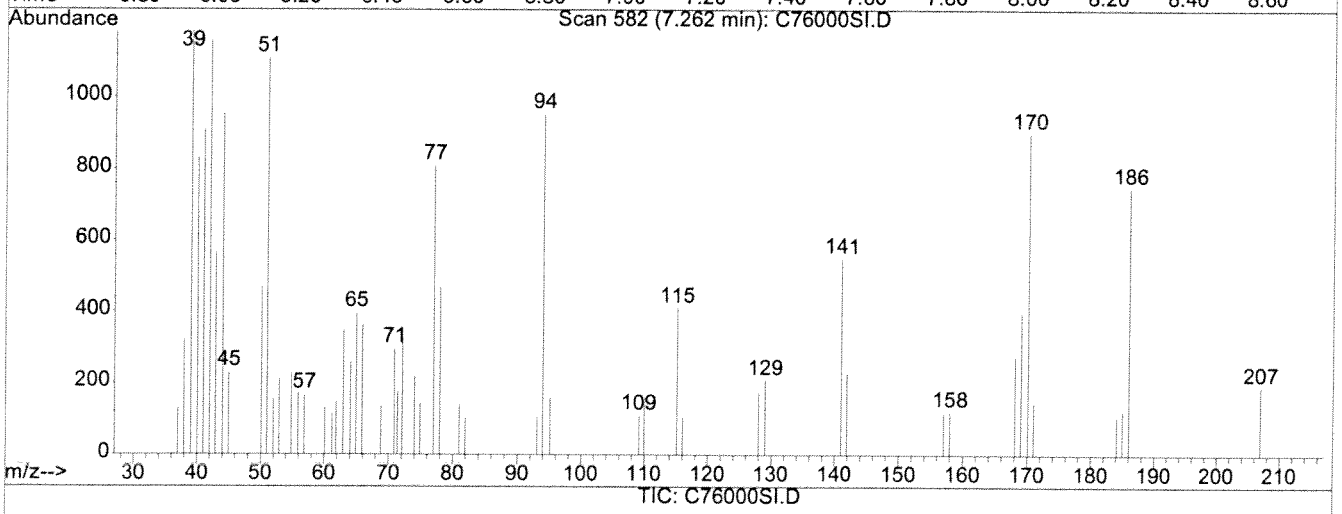
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:32 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 08.11.10 KSP VMT 8/11/10





(31) Tetrahydrofuran (TM)

7.26min 2.27ug/L

response 2083

Ion	Exp%	Act%
71.00	100	100
72.00	87.30	60.97#
42.00	272.10	268.75
0.00	0.00	0.00

C76000SI.D V808100C.M Tue Aug 10 13:33:03 2010

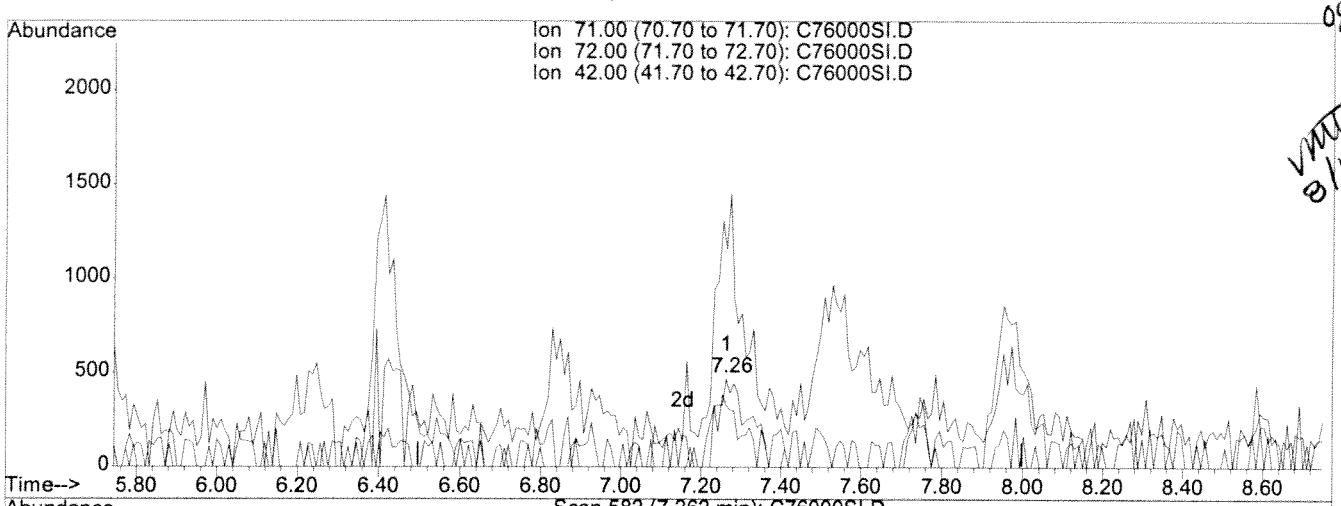
Quantitation Report (Qedit)

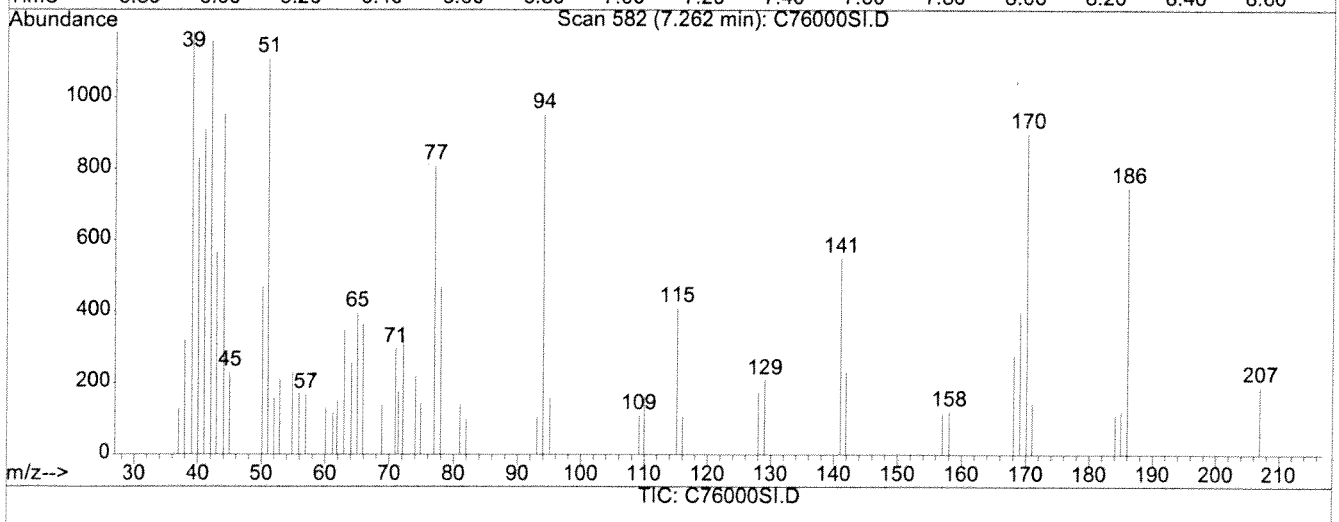
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76000SI.D Vial: 8
Acq On : 10 Aug 2010 1:29 pm Operator: JK
Sample : 2.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 13:33 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 09.11.10

VMT 8/11/10





(31) Tetrahydrofuran (TM)

7.26min 3.20ug/L m

response 2735

Ion	Exp%	Act%
71.00	100	100
72.00	87.30	46.44#
42.00	272.10	204.68#
0.00	0.00	0.00

C76000SI.D V808100C.M Tue Aug 10 13:33:08 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08/11/10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	191436	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	377072	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.11	117	326733	20.00 ug/L	-0.01
87) 1,4-Dichlorobenzene-d4	16.83	152	146462	20.00 ug/L	0.00

System Monitoring Compounds

28) DB Holder #28	7.98	65	146343	21.16 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.80%		
36) d4-1,2-Dichloroethane	7.98	65	146343	21.14 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 105.70%		
54) d8-Toluene	10.85	98	413991	17.66 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 88.30%		
73) Bromofluorobenzene	14.99	95	155961	16.06 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.30%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.69	85	34899	3.79 ug/L	96
3) Chloromethane	1.97	50	51355	6.33 ug/L	96
4) Vinyl Chloride	2.02	62	36194	5.66 ug/L	92
5) Bromomethane	2.50	94	20284	3.39 ug/L	94
6) Chloroethane	2.59	64	28010	6.00 ug/L	92
7) t-Butyl alcohol (TBA)	3.94	59	17231	34.86 ug/L #	90
8) Trichlorofluoromethane	2.91	101	54024	4.40 ug/L	98
9) Diethyl ether	3.32	74	13244	3.83 ug/L	89
10) 1,1,2-Trichlorotrifluoroet	3.52	101	28298m	4.27 ug/L	
11) Acrolein	3.48	56	7754	14.94 ug/L #	67
12) Acetone	3.58	43	63883	28.45 ug/L #	81
13) 1,1-Dichloroethene	3.74	96	25742	4.10 ug/L	88
14) Methyl iodide	4.19	142	18608	2.63 ug/L #	39
15) Di-isopropyl ether (DIPE)	5.58	45	121006	5.28 ug/L #	85
16) Methylene Chloride	4.51	84	33087	3.78 ug/L #	74
17) Carbon Disulfide	4.48	76	88956	3.95 ug/L #	91
18) Acrylonitrile	4.72	53	15408	5.81 ug/L #	87
19) Methyl-tert-butyl ether (M	4.84	73	69083	4.16 ug/L	99
20) trans-1,2-Dichloroethene	4.99	61	42711	4.64 ug/L	87
21) 1,1-Dichloroethane	5.69	63	54200	4.69 ug/L	90
22) Vinyl acetate	5.73	43	49691	4.31 ug/L #	93
23) Methyl ethyl ketone	6.40	72	15588	19.67 ug/L #	94
24) Ethyl t-butyl ether (ETBE)	6.23	59	89051	4.45 ug/L #	80
25) 2,2-Dichloropropane	6.60	77	33253	4.06 ug/L	97
26) cis-1,2-Dichloroethene	6.65	96	30585	4.08 ug/L	86
27) t-Amyl methyl ether (TAME)	7.97	73	72899	3.97 ug/L	90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 8/11/10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.89	83	49918	3.56 ug/L	94
30)	Bromochloromethane	7.13	128	15532	3.59 ug/L #	86
31)	Tetrahydrofuran	7.26	71	5489	7.51 ug/L	82
32)	1,1,1-Trichloroethane	7.51	97	40362	3.46 ug/L #	78
33)	Ethanol	2.71	45	28901	338.84 ug/L #	90
34)	1,1-Dichloropropene	7.74	75	39235	4.02 ug/L	93
35)	Carbon Tetrachloride	7.89	119	23214	3.76 ug/L	99
37)	1,2-Dichloroethane	8.12	62	42684	4.68 ug/L	99
38)	Benzene	8.12	78	102632	4.07 ug/L	97
40)	Trichloroethene	9.06	95	33611	3.42 ug/L #	44
41)	1,2-Dichloropropane	9.33	63	29921	4.01 ug/L	99
42)	Methylmethacrylate	9.47	69	22646	4.19 ug/L #	80
43)	Methyl acetate	4.31	43	38872	4.44 ug/L #	91
44)	Cyclohexane	7.54	56	50606	4.49 ug/L #	70
45)	Bromodichloromethane	9.67	83	33909	2.98 ug/L	99
46)	Dibromomethane	9.73	93	23222	3.55 ug/L #	80
47)	1,4-Dioxane	9.73	88	10059	71.51 ug/L #	75
48)	Methylcyclohexane	9.15	83	44379	3.24 ug/L #	82
50)	2-Chloroethylvinyl ether	10.18	63	16489	3.96 ug/L	91
51)	2-Hexanone	11.54	58	61152	21.96 ug/L	76
52)	Methyl isobutyl ketone	10.23	58	64623	21.95 ug/L #	64
53)	cis-1,3-Dichloropropene	10.50	75	44726	3.46 ug/L	96
55)	Toluene	10.96	92	64483	3.37 ug/L	87
56)	trans-1,3-Dichloropropene	11.26	75	41479	3.27 ug/L	88
58)	1,1,2-Trichloroethane	11.48	83	20834	3.22 ug/L	96
59)	1,3-Dichloropropane	11.86	76	43036	3.37 ug/L	96
60)	Tetrachloroethene	11.94	166	36401	4.66 ug/L	94
61)	Dibromochloromethane	12.23	129	28362	2.91 ug/L	98
62)	1,2-Dibromoethane	12.53	107	30015	3.77 ug/L	99
64)	Chlorobenzene	13.17	112	74063	4.31 ug/L	86
65)	1,1,1,2-Tetrachloroethane	13.25	131	26348	3.36 ug/L	95
66)	Ethylbenzene	13.27	91	117180	3.31 ug/L	81
67)	m,p-Xylene	13.39	106	94234	8.40 ug/L #	54
68)	o-Xylene	14.05	106	46837	4.27 ug/L #	50
69)	Styrene	14.11	104	81579	4.15 ug/L	73
70)	Bromoform	14.59	173	15372	3.27 ug/L	100
71)	Isopropylbenzene	14.61	105	121480	4.03 ug/L	90
72)	1,1,2,2-Tetrachloroethane	14.88	83	35172	3.47 ug/L	95
74)	1,2,3-Trichloropropane	15.11	75	27158	3.73 ug/L	96
75)	trans-1,4-Dichloro-2-buten	15.23	89	8939	2.96 ug/L #	37
76)	n-Propylbenzene	15.23	91	141389	3.32 ug/L	88

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	27899	3.76 ug/L #	76
78)	1,3,5-Trimethylbenzene	15.49	105	98322	4.02 ug/L	84
79)	2-Chlorotoluene	15.49	91	90789	3.28 ug/L	67
80)	4-Chlorotoluene	15.58	91	81217	3.14 ug/L	73
81)	tert-butylbenzene	16.04	119	82992	3.79 ug/L #	74
82)	1,2,4-Trimethylbenzene	16.10	105	102295	3.98 ug/L	85
83)	Diisobutylketone	15.19	57	360503	21.40 ug/L #	80
84)	sec-butylbenzene	16.38	105	135212	4.16 ug/L	87
85)	p-isopropyltoluene	16.60	119	104666	3.80 ug/L	83
86)	1,3-Dichlorobenzene	16.71	146	48912	3.47 ug/L #	83
88)	1,4-Dichlorobenzene	16.88	146	51429	4.03 ug/L #	83
89)	n-butylbenzene	17.25	91	100866	3.89 ug/L	67
90)	1,2-Dichlorobenzene	17.45	146	46677	4.07 ug/L #	82
92)	1,2-Dibromo-3-chloropropan	18.71	75	7238	4.41 ug/L	86
94)	1,2,4-Trichlorobenzene	20.11	180	36632	4.50 ug/L	98
95)	Hexachlorobutadiene	20.35	225	17165	2.97 ug/L	99
96)	Naphthalene	20.49	128	91457	4.36 ug/L	99
97)	1,2,3-Trichlorobenzene	20.89	180	31991	4.38 ug/L	85
98)	1,3,5-Trichlorobenzene	19.09	180	37894	4.46 ug/L	99

(#) = qualifier out of range (m) = manual integration

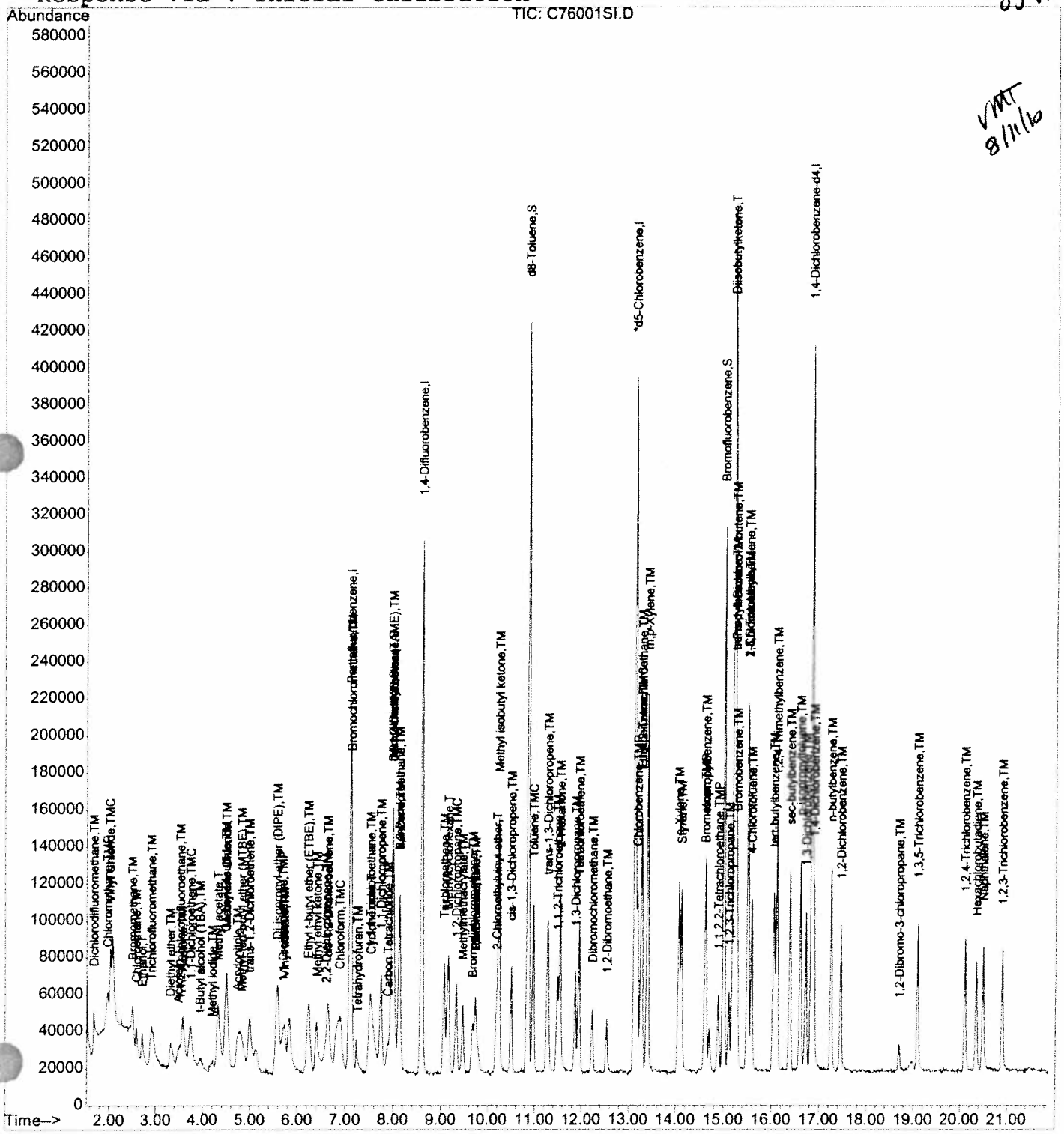
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

SL 03.11.10

VMT 8/11/10



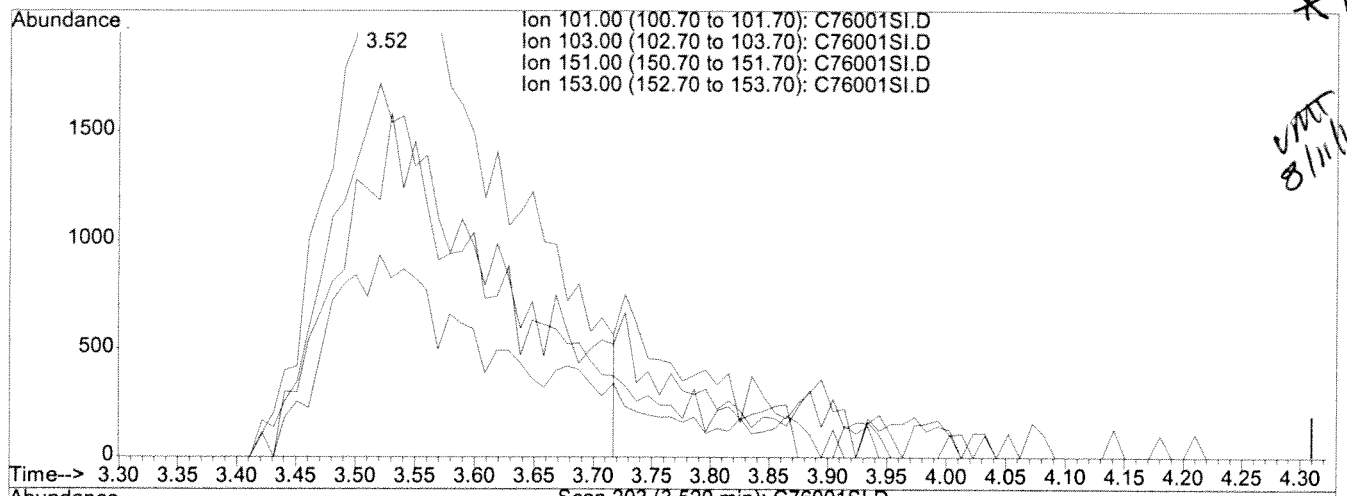
Quantitation Report (Qedit)

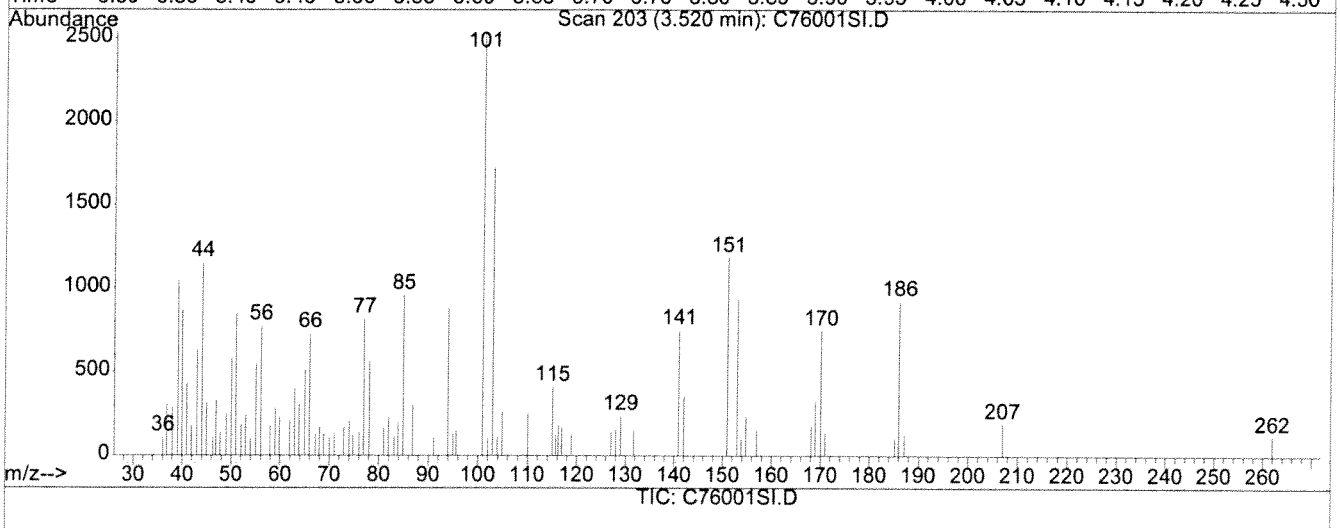
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JL 03-11-12 *Tailing

VMT 8/11/10





TIC: C76001SI.D

(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.52min 3.63ug/L

response 24082

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	57.93
151.00	44.60	35.84
153.00	24.40	22.02

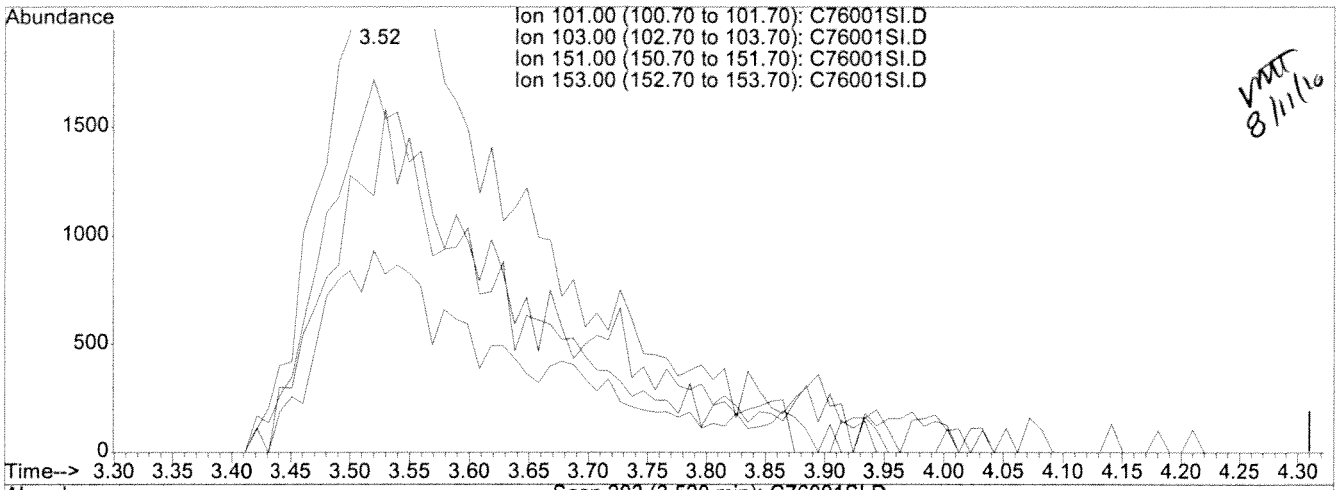
C76001SI.D V808100C.M Tue Aug 10 14:03:43 2010

Quantitation Report (Qedit)

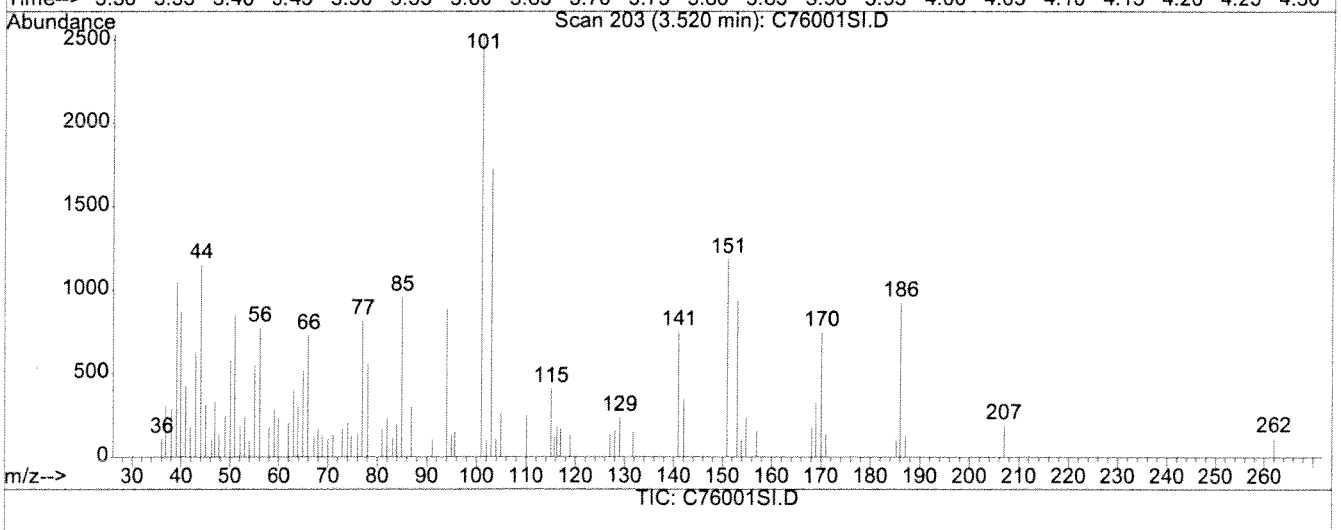
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76001SI.D Vial: 10
Acq On : 10 Aug 2010 2:07 pm Operator: JK
Sample : 5.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:03 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Fri Jul 23 09:40:47 2010
Response via : Multiple Level Calibration

JK 08.11.10



VMT 8/11/10



(10) 1,1,2-Trichlorotrifluoroethane (TM)

3.52min 4.27ug/L m

response 28298

Ion	Exp%	Act%
101.00	100	100
103.00	57.00	49.30
151.00	44.60	30.50#
153.00	24.40	18.74#

C76001SI.D V808100C.M Tue Aug 10 14:03:48 2010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

08-11-10 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	196981	20.00 ug/L	-0.02
39) 1,4-Difluorobenzene	8.59	114	387499	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	343169	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	149841	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	7.98	65	156525	21.99 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 109.95%		
36) d4-1,2-Dichloroethane	7.98	65	156692	22.00 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 110.00%		
54) d8-Toluene	10.85	98	430548	17.87 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 89.35%		
73) Bromofluorobenzene	14.99	95	163609	16.04 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 80.20%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	143775	17.44 ug/L	99
3) Chloromethane	1.97	50	194977	25.21 ug/L	95
4) Vinyl Chloride	2.02	62	142166	21.60 ug/L	95
5) Bromomethane	2.49	94	114196	18.54 ug/L	95
6) Chloroethane	2.59	64	108977	24.54 ug/L	89
7) t-Butyl alcohol (TBA)	3.92	59	60998	119.92 ug/L #	89
8) Trichlorofluoromethane	2.90	101	229734	18.18 ug/L	97
9) Diethyl ether	3.32	74	70160	19.70 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.52	101	125850	18.44 ug/L #	90
11) Acrolein	3.46	56	41435	94.63 ug/L	97
12) Acetone	3.56	43	264926	128.30 ug/L #	81
13) 1,1-Dichloroethene	3.74	96	116593	18.03 ug/L	86
14) Methyl iodide	4.18	142	123337	16.95 ug/L #	40
15) Di-isopropyl ether (DIPE)	5.58	45	567076	24.04 ug/L #	85
16) Methylene Chloride	4.50	84	136672	18.39 ug/L #	72
17) Carbon Disulfide	4.48	76	416926	17.99 ug/L	100
18) Acrylonitrile	4.72	53	64777	23.73 ug/L	96
19) Methyl-tert-butyl ether (M	4.82	73	300829	17.61 ug/L #	90
20) trans-1,2-Dichloroethene	4.99	61	199923	21.10 ug/L	88
21) 1,1-Dichloroethane	5.68	63	243519	20.46 ug/L	94
22) Vinyl acetate	5.73	43	258759	21.83 ug/L #	94
23) Methyl ethyl ketone	6.39	72	69867	108.64 ug/L	94
24) Ethyl t-butyl ether (ETBE)	6.23	59	423941	20.58 ug/L #	81
25) 2,2-Dichloropropane	6.58	77	147495	17.52 ug/L	98
26) cis-1,2-Dichloroethene	6.65	96	147166	19.06 ug/L #	86
27) t-Amyl methyl ether (TAME)	7.96	73	336881	17.83 ug/L	95

(#) = qualifier out of range (m) = manual integration
C76002SI.D V808100C.M Wed Aug 11 09:45:50 2010 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08/11/10
VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	233484	16.17 ug/L	96
30)	Bromochloromethane	7.12	128	65241	19.89 ug/L	88
31)	Tetrahydrofuran	7.24	71	16719	23.57 ug/L	84
32)	1,1,1-Trichloroethane	7.53	97	190754	15.88 ug/L	83
33)	Ethanol	2.71	45	125574	1579.25 ug/L #	90
34)	1,1-Dichloropropene	7.74	75	182766	18.22 ug/L	94
35)	Carbon Tetrachloride	7.89	119	118707	18.69 ug/L	99
37)	1,2-Dichloroethane	8.12	62	182181	19.41 ug/L	97
38)	Benzene	8.13	78	468573	18.05 ug/L	97
40)	Trichloroethene	9.06	95	149187	14.77 ug/L #	48
41)	1,2-Dichloropropane	9.32	63	133791	17.45 ug/L	96
42)	Methylmethacrylate	9.46	69	94259	16.95 ug/L	93
43)	Methyl acetate	4.29	43	188949	21.00 ug/L #	93
44)	Cyclohexane	7.54	56	223845	19.31 ug/L #	76
45)	Bromodichloromethane	9.68	83	162219	13.88 ug/L	97
46)	Dibromomethane	9.74	93	97497	14.49 ug/L #	72
47)	1,4-Dioxane	9.73	88	42691	422.03 ug/L #	67
48)	Methylcyclohexane	9.15	83	200480	14.22 ug/L #	81
50)	2-Chloroethylvinyl ether	10.17	63	72400	16.93 ug/L #	88
51)	2-Hexanone	11.53	58	276769	96.70 ug/L	83
52)	Methyl isobutyl ketone	10.22	58	292632	96.72 ug/L #	65
53)	cis-1,3-Dichloropropene	10.50	75	215178	16.22 ug/L	97
55)	Toluene	10.96	92	301507	15.32 ug/L #	84
56)	trans-1,3-Dichloropropene	11.25	75	200150	15.34 ug/L	91
58)	1,1,2-Trichloroethane	11.47	83	101222	15.22 ug/L	91
59)	1,3-Dichloropropane	11.86	76	204900	15.60 ug/L	97
60)	Tetrachloroethene	11.95	166	136315	17.00 ug/L	92
61)	Dibromochloromethane	12.23	129	141990	14.19 ug/L	92
62)	1,2-Dibromoethane	12.53	107	146001	17.85 ug/L	95
64)	Chlorobenzene	13.18	112	343982	19.06 ug/L	87
65)	1,1,1,2-Tetrachloroethane	13.25	131	121572	14.75 ug/L	97
66)	Ethylbenzene	13.28	91	537996	14.45 ug/L	80
67)	m,p-Xylene	13.39	106	440196	37.35 ug/L #	54
68)	o-Xylene	14.06	106	218381	18.95 ug/L #	50
69)	Styrene	14.10	104	375963	18.22 ug/L	76
70)	Bromoform	14.60	173	84475	17.10 ug/L	94
71)	Isopropylbenzene	14.62	105	559376	17.68 ug/L	92
72)	1,1,2,2-Tetrachloroethane	14.88	83	165463	15.56 ug/L	97
74)	1,2,3-Trichloropropane	15.10	75	123585	16.15 ug/L	94
75)	trans-1,4-Dichloro-2-buten	15.23	89	45928	14.50 ug/L #	60
76)	n-Propylbenzene	15.24	91	653841	14.64 ug/L	87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08.11.10 VMT 8/11/10

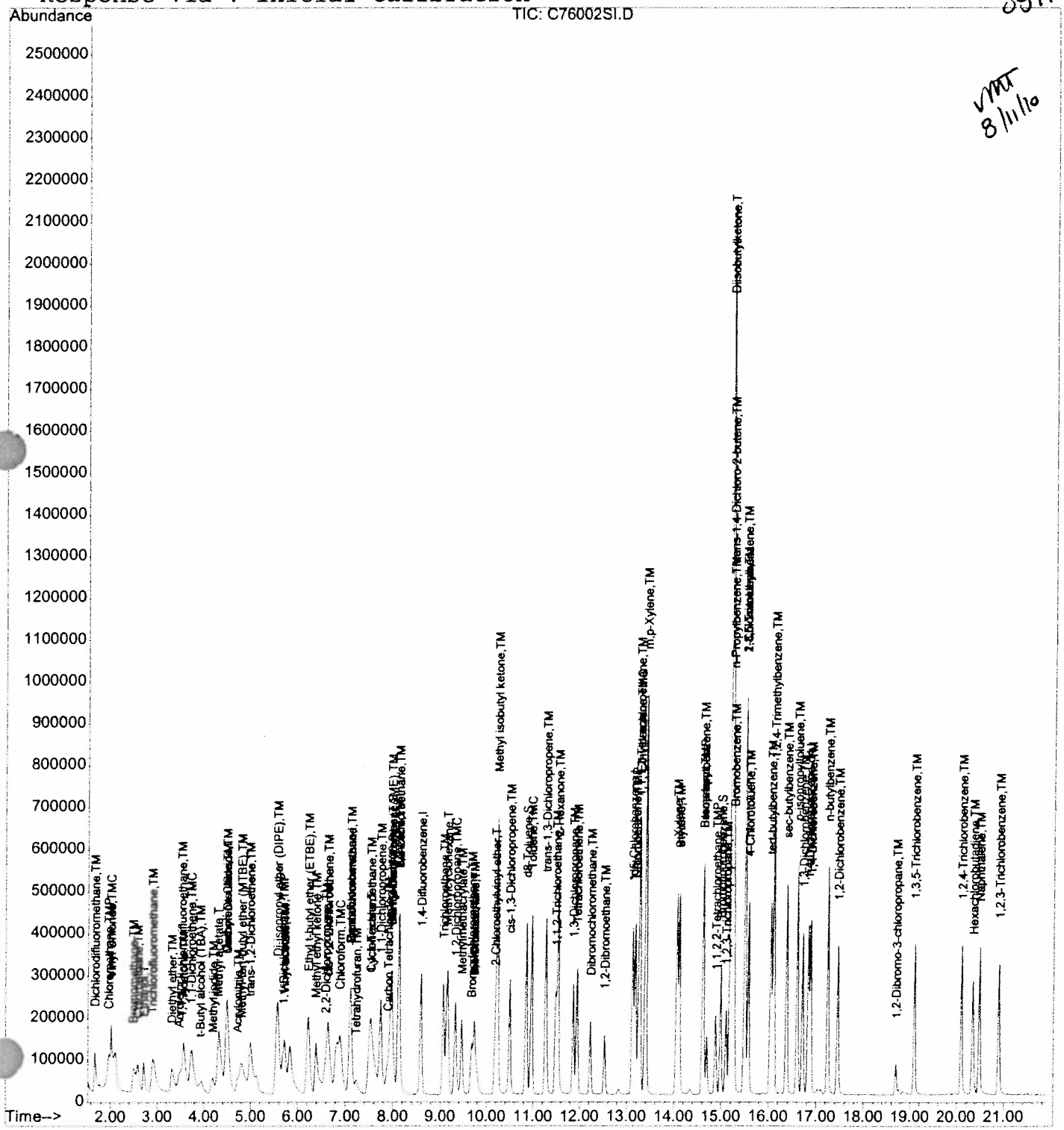
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	127198	16.32 ug/L #	83
78)	1,3,5-Trimethylbenzene	15.50	105	448118	17.43 ug/L	82
79)	2-Chlorotoluene	15.50	91	415081	14.29 ug/L	71
80)	4-Chlorotoluene	15.57	91	384436	14.16 ug/L	64
81)	tert-butylbenzene	16.04	119	392986	17.11 ug/L #	73
82)	1,2,4-Trimethylbenzene	16.10	105	471738	17.49 ug/L	86
83)	Diisobutylketone	15.20	57	1651433	93.35 ug/L #	79
84)	sec-butylbenzene	16.37	105	620566	18.17 ug/L	88
85)	p-isopropyltoluene	16.60	119	495420	17.12 ug/L	82
86)	1,3-Dichlorobenzene	16.72	146	226616	15.29 ug/L #	85
88)	1,4-Dichlorobenzene	16.89	146	236401	18.11 ug/L #	83
89)	n-butylbenzene	17.24	91	464552	17.50 ug/L	78
90)	1,2-Dichlorobenzene	17.46	146	216777	18.47 ug/L #	82
92)	1,2-Dibromo-3-chloropropan	18.69	75	27912	19.21 ug/L #	75
94)	1,2,4-Trichlorobenzene	20.10	180	169333	20.33 ug/L	100
95)	Hexachlorobutadiene	20.35	225	81978	13.86 ug/L	96
96)	Naphthalene	20.48	128	420502	19.61 ug/L	99
97)	1,2,3-Trichlorobenzene	20.90	180	150655	20.16 ug/L	82
98)	1,3,5-Trichlorobenzene	19.08	180	177207	20.39 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D Vial: 11
Acq On : 10 Aug 2010 2:39 pm Operator: JK
Sample : 20.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 14:33 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration



C76002SI.D V808100C.M Wed Aug 11 09:45:51 2010 Page 4

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.10 VMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	187674	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	375824	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.12	117	333454	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.83	152	146646	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	7.98	65	143104	21.10 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 105.50%		
36) d4-1,2-Dichloroethane	7.98	65	143104	21.09 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 105.45%		
54) d8-Toluene	10.85	98	413920	17.72 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 88.60%		
73) Bromofluorobenzene	14.99	95	154358	15.57 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 77.85%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	338730	44.24 ug/L	98
3) Chloromethane	1.96	50	475697	80.38 ug/L	98
4) Vinyl Chloride	2.01	62	343484	54.77 ug/L	95
5) Bromomethane	2.47	94	299493	51.03 ug/L	99
6) Chloroethane	2.56	64	271547	65.24 ug/L	96
7) t-Butyl alcohol (TBA)	3.92	59	166906	344.41 ug/L	97
8) Trichlorofluoromethane	2.88	101	542416	45.05 ug/L	98
9) Diethyl ether	3.31	74	155473	45.82 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	3.50	101	283196	43.56 ug/L #	88
11) Acrolein	3.46	56	100263	246.59 ug/L	98
12) Acetone	3.57	43	606261	314.47 ug/L #	83
13) 1,1-Dichloroethene	3.72	96	267194	43.36 ug/L #	85
14) Methyl iodide	4.17	142	255482	36.85 ug/L #	41
15) Di-isopropyl ether (DIPE)	5.56	45	1294608	57.61 ug/L #	85
16) Methylene Chloride	4.49	84	319013	46.60 ug/L #	74
17) Carbon Disulfide	4.46	76	930786	42.16 ug/L	100
18) Acrylonitrile	4.71	53	154932	59.56 ug/L #	91
19) Methyl-tert-butyl ether (M	4.80	73	725076	44.55 ug/L #	89
20) trans-1,2-Dichloroethene	4.98	61	458643	50.79 ug/L	89
21) 1,1-Dichloroethane	5.68	63	560249	49.40 ug/L	94
22) Vinyl acetate	5.72	43	656395	58.11 ug/L #	93
23) Methyl ethyl ketone	6.39	72	161861	273.96 ug/L	91
24) Ethyl t-butyl ether (ETBE)	6.22	59	976286	49.73 ug/L #	82
25) 2,2-Dichloropropane	6.59	77	358883	44.75 ug/L	99
26) cis-1,2-Dichloroethene	6.64	96	328898	44.70 ug/L #	88
27) t-Amyl methyl ether (TAME)	7.96	73	775075	43.06 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JG 08.11.1 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.89	83	525392	38.19 ug/L	100
30)	Bromochloromethane	7.12	128	146622	49.21 ug/L	88
31)	Tetrahydrofuran	7.23	71	38478	57.92 ug/L	78
32)	1,1,1-Trichloroethane	7.50	97	432479	37.78 ug/L	85
33)	Ethanol	2.74	45	289318	3884.30 ug/L #	89
34)	1,1-Dichloropropene	7.73	75	423083	44.27 ug/L	97
35)	Carbon Tetrachloride	7.88	119	290098	47.93 ug/L	98
37)	1,2-Dichloroethane	8.11	62	415458	46.46 ug/L	96
38)	Benzene	8.11	78	1068075	43.19 ug/L	96
40)	Trichloroethene	9.06	95	325201	33.21 ug/L #	39
41)	1,2-Dichloropropane	9.32	63	319304	42.93 ug/L	95
42)	Methylmethacrylate	9.46	69	220443	40.88 ug/L	91
43)	Methyl acetate	4.30	43	433789	49.71 ug/L #	91
44)	Cyclohexane	7.51	56	500904	44.55 ug/L #	72
45)	Bromodichloromethane	9.67	83	376994	33.27 ug/L	98
46)	Dibromomethane	9.73	93	215135	32.97 ug/L #	82
47)	1,4-Dioxane	9.72	88	100866	1086.24 ug/L #	70
48)	Methylcyclohexane	9.15	83	459831	33.64 ug/L #	82
50)	2-Chloroethylvinyl ether	10.17	63	197194	47.54 ug/L	89
51)	2-Hexanone	11.53	58	647909	233.41 ug/L	82
52)	Methyl isobutyl ketone	10.21	58	664766	226.55 ug/L #	66
53)	cis-1,3-Dichloropropene	10.49	75	499466	38.81 ug/L	99
55)	Toluene	10.96	92	692116	36.26 ug/L	88
56)	trans-1,3-Dichloropropene	11.25	75	468226	36.99 ug/L	92
58)	1,1,2-Trichloroethane	11.48	83	231605	35.91 ug/L	96
59)	1,3-Dichloropropane	11.86	76	467390	36.68 ug/L	99
60)	Tetrachloroethene	11.94	166	312040	40.12 ug/L	94
61)	Dibromochloromethane	12.23	129	338923	34.93 ug/L	91
62)	1,2-Dibromoethane	12.53	107	341651	43.08 ug/L	98
64)	Chlorobenzene	13.17	112	789831	45.03 ug/L	90
65)	1,1,1,2-Tetrachloroethane	13.25	131	280599	35.04 ug/L	95
66)	Ethylbenzene	13.27	91	1234082	34.12 ug/L	80
67)	m,p-Xylene	13.39	106	1004057	87.67 ug/L #	54
68)	o-Xylene	14.05	106	486024	43.40 ug/L #	57
69)	Styrene	14.11	104	868770	43.33 ug/L	76
70)	Bromoform	14.59	173	208473	43.42 ug/L	100
71)	Isopropylbenzene	14.62	105	1273409	41.42 ug/L	92
72)	1,1,2,2-Tetrachloroethane	14.88	83	378896	36.68 ug/L	100
74)	1,2,3-Trichloropropane	15.11	75	281459	37.84 ug/L	96
75)	trans-1,4-Dichloro-2-buten	15.23	89	104724	34.02 ug/L #	59
76)	n-Propylbenzene	15.24	91	1485946	34.24 ug/L	85

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 09.11.10 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	292434	38.61 ug/L #	78
78)	1,3,5-Trimethylbenzene	15.50	105	1017840	40.75 ug/L	81
79)	2-Chlorotoluene	15.50	91	954976	33.83 ug/L	69
80)	4-Chlorotoluene	15.58	91	865678	32.81 ug/L	64
81)	tert-butylbenzene	16.04	119	869196	38.94 ug/L #	73
82)	1,2,4-Trimethylbenzene	16.10	105	1054360	40.22 ug/L	84
83)	Diisobutylketone	15.19	57	3783407	220.10 ug/L #	78
84)	sec-butylbenzene	16.38	105	1404045	42.31 ug/L	87
85)	p-isopropyltoluene	16.60	119	1117917	39.75 ug/L	81
86)	1,3-Dichlorobenzene	16.71	146	522652	36.29 ug/L #	83
88)	1,4-Dichlorobenzene	16.88	146	535565	41.92 ug/L #	84
89)	n-butylbenzene	17.25	91	1049928	40.42 ug/L	75
90)	1,2-Dichlorobenzene	17.45	146	488004	42.48 ug/L #	81
92)	1,2-Dibromo-3-chloropropan	18.70	75	66837	48.37 ug/L #	75
94)	1,2,4-Trichlorobenzene	20.10	180	369710	45.34 ug/L	100
95)	Hexachlorobutadiene	20.34	225	179103	30.94 ug/L	92
96)	Naphthalene	20.49	128	955522	45.53 ug/L	99
97)	1,2,3-Trichlorobenzene	20.89	180	337558	46.16 ug/L	86
98)	1,3,5-Trichlorobenzene	19.09	180	386084	45.38 ug/L	99

(#) = qualifier out of range (m) = manual integration

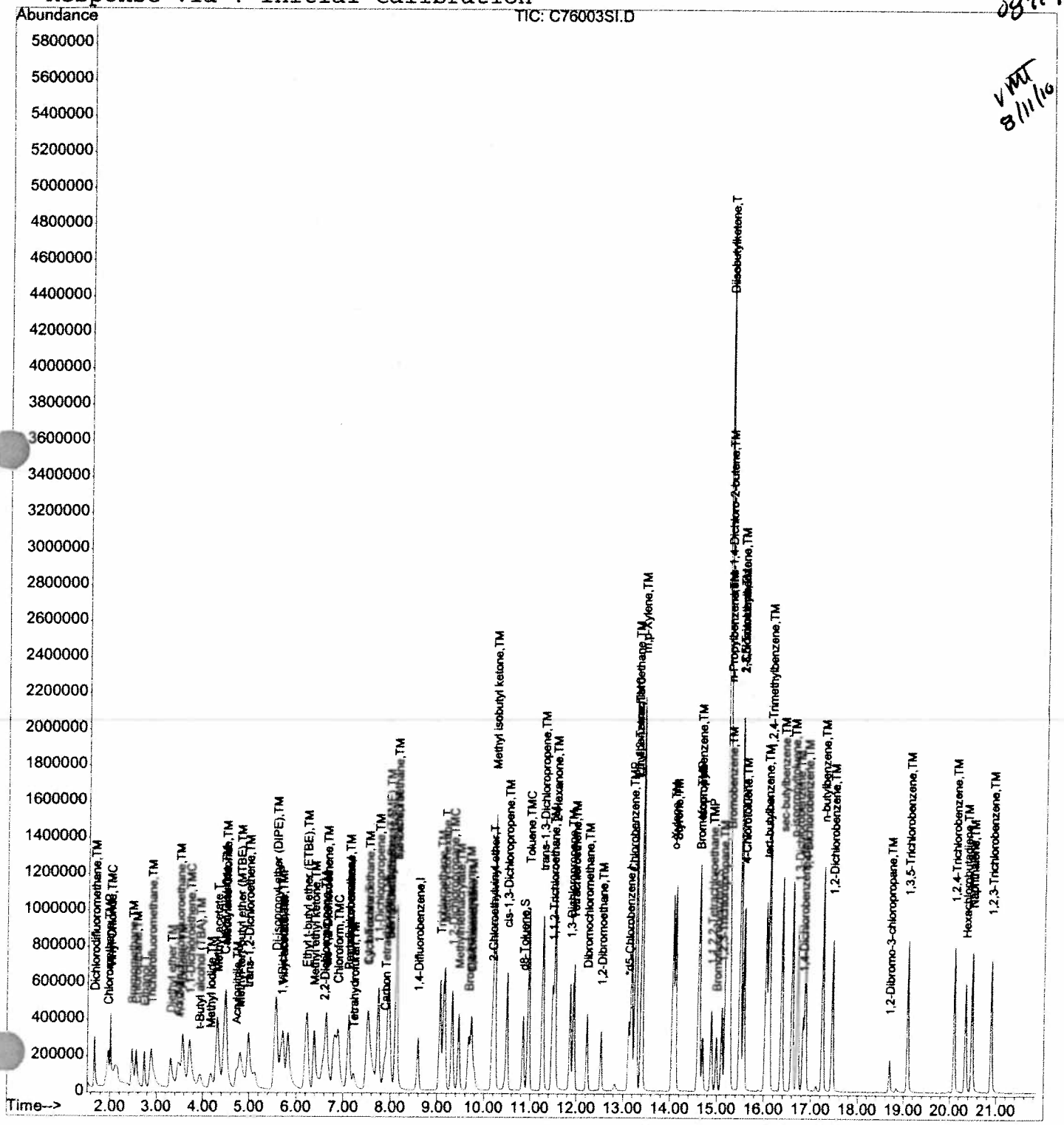
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76003SI.D Vial: 12
Acq On : 10 Aug 2010 3:08 pm Operator: JK
Sample : 50.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:07 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JK 08.11.10

VMT 8/11/10



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 09.11.10

MT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	212825	20.00 ug/L	-0.01
39) 1,4-Difluorobenzene	8.59	114	426996	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	13.12	117	369802	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	156214	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	7.98	65	154362	20.07 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 130		Recovery = 100.35%		
36) d4-1,2-Dichloroethane	7.98	65	154362	20.06 ug/L	-0.01
Spiked Amount 20.000	Range 70 - 120		Recovery = 100.30%		
54) d8-Toluene	10.85	98	464164	17.49 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 87.45%		
73) Bromofluorobenzene	14.99	95	169889	15.46 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 77.30%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.66	85	744670	86.48 ug/L	98
3) Chloromethane	1.97	50	858289	Below Cal	96
4) Vinyl Chloride	2.00	62	724851	101.93 ug/L	96
5) Bromomethane	2.44	94	677893	101.85 ug/L	96
6) Chloroethane	2.54	64	596756	127.05 ug/L	93
7) t-Butyl alcohol (TBA)	3.94	59	345239	628.20 ug/L	98
8) Trichlorofluoromethane	2.87	101	1196061	87.60 ug/L	98
9) Diethyl ether	3.31	74	348546	90.58 ug/L	97
10) 1,1,2-Trichlorotrifluoroet	3.48	101	640255	86.84 ug/L #	84
11) Acrolein	3.45	56	224958	491.85 ug/L	99
12) Acetone	3.57	43	1333205	614.03 ug/L #	81
13) 1,1-Dichloroethene	3.71	96	602436	86.21 ug/L	86
14) Methyl iodide	4.16	142	485298m	61.73 ug/L	
15) Di-isopropyl ether (DIPE)	5.57	45	2998389	117.66 ug/L #	85
16) Methylene Chloride	4.48	84	715487	93.21 ug/L #	74
17) Carbon Disulfide	4.45	76	2140120	85.48 ug/L	100
18) Acrylonitrile	4.72	53	338216	114.66 ug/L #	93
19) Methyl-tert-butyl ether (M	4.81	73	1589082	86.10 ug/L #	90
20) trans-1,2-Dichloroethene	4.98	61	1026754	100.27 ug/L	88
21) 1,1-Dichloroethane	5.68	63	1252355	97.38 ug/L	93
22) Vinyl acetate	5.72	43	1482908	115.77 ug/L #	93
23) Methyl ethyl ketone	6.39	72	352632	532.62 ug/L	93
24) Ethyl t-butyl ether (ETBE)	6.22	59	2239819	100.62 ug/L #	81
25) 2,2-Dichloropropane	6.58	77	822225	90.40 ug/L	100
26) cis-1,2-Dichloroethene	6.63	96	734785	88.07 ug/L #	86
27) t-Amyl methyl ether (TAME)	7.96	73	1781551	87.28 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 09.11.10 VMA 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
29)	Chloroform	6.89	83	1184844	75.95 ug/L		98
30)	Bromochloromethane	7.12	128	328918	99.01 ug/L		87
31)	Tetrahydrofuran	7.22	71	82514	110.14 ug/L		76
32)	1,1,1-Trichloroethane	7.50	97	955072	73.58 ug/L	#	81
33)	Ethanol	2.77	45	629497	7495.00 ug/L	#	89
34)	1,1-Dichloropropene	7.74	75	933795	86.15 ug/L		96
35)	Carbon Tetrachloride	7.89	119	659340	96.07 ug/L		94
37)	1,2-Dichloroethane	8.11	62	914385	90.16 ug/L		97
38)	Benzene	8.12	78	2457114	87.62 ug/L		97
40)	Trichloroethene	9.06	95	725845	65.23 ug/L	#	44
41)	1,2-Dichloropropane	9.33	63	692492	81.95 ug/L		96
42)	Methylmethacrylate	9.46	69	490207	80.00 ug/L		94
43)	Methyl acetate	4.30	43	949215	95.74 ug/L	#	91
44)	Cyclohexane	7.52	56	1098026	85.96 ug/L	#	75
45)	Bromodichloromethane	9.67	83	831520	64.58 ug/L		99
46)	Dibromomethane	9.73	93	439426	59.27 ug/L	#	77
47)	1,4-Dioxane	9.72	88	212408	2047.87 ug/L	#	69
48)	Methylcyclohexane	9.15	83	1059063	68.19 ug/L	#	82
50)	2-Chloroethylvinyl ether	10.17	63	359177	76.22 ug/L		89
51)	2-Hexanone	11.53	58	1417719	449.52 ug/L		81
52)	Methyl isobutyl ketone	10.22	58	1473777	442.07 ug/L	#	65
53)	cis-1,3-Dichloropropene	10.50	75	1063735	72.75 ug/L		96
55)	Toluene	10.96	92	1552920	71.61 ug/L		88
56)	trans-1,3-Dichloropropene	11.26	75	1064707	74.03 ug/L		87
58)	1,1,2-Trichloroethane	11.48	83	516176	70.44 ug/L		95
59)	1,3-Dichloropropane	11.86	76	1050711	72.57 ug/L		98
60)	Tetrachloroethene	11.94	166	709610	80.29 ug/L		94
61)	Dibromochloromethane	12.23	129	754363	68.42 ug/L		94
62)	1,2-Dibromoethane	12.53	107	752419	83.50 ug/L		95
64)	Chlorobenzene	13.17	112	1785746	91.80 ug/L		90
65)	1,1,1,2-Tetrachloroethane	13.25	131	636774	71.70 ug/L		95
66)	Ethylbenzene	13.27	91	2752410	68.61 ug/L		81
67)	m,p-Xylene	13.40	106	2225160	175.19 ug/L	#	53
68)	o-Xylene	14.06	106	1079329	86.91 ug/L	#	54
69)	Styrene	14.11	104	1920464	86.38 ug/L		77
70)	Bromoform	14.59	173	475480	89.30 ug/L		98
71)	Isopropylbenzene	14.62	105	2812981	82.51 ug/L		92
72)	1,1,2,2-Tetrachloroethane	14.89	83	805241	70.29 ug/L		99
74)	1,2,3-Trichloropropane	15.10	75	602977	73.10 ug/L		97
75)	trans-1,4-Dichloro-2-buten	15.23	89	229354	67.18 ug/L	#	56
76)	n-Propylbenzene	15.24	91	3236625	67.24 ug/L		85

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 14:05:24 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JR 0971.1 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.27	156	643573	76.62 ug/L #	80
78)	1,3,5-Trimethylbenzene	15.50	105	2243493	80.99 ug/L	84
79)	2-Chlorotoluene	15.50	91	2083913	66.57 ug/L	72
80)	4-Chlorotoluene	15.58	91	1919050	65.58 ug/L	67
81)	tert-butylbenzene	16.04	119	1885462	76.16 ug/L #	74
82)	1,2,4-Trimethylbenzene	16.10	105	2310552	79.48 ug/L	84
83)	Diisobutylketone	15.20	57	7973897	418.29 ug/L #	78
84)	sec-butylbenzene	16.38	105	3053691	82.98 ug/L	87
85)	p-isopropyltoluene	16.60	119	2438447	78.18 ug/L	82
86)	1,3-Dichlorobenzene	16.71	146	1130622	70.79 ug/L #	84
88)	1,4-Dichlorobenzene	16.88	146	1162647	85.43 ug/L #	82
89)	n-butylbenzene	17.24	91	2284447	82.57 ug/L	77
90)	1,2-Dichlorobenzene	17.45	146	1042261	85.18 ug/L #	83
92)	1,2-Dibromo-3-chloropropan	18.69	75	138390	94.92 ug/L #	73
94)	1,2,4-Trichlorobenzene	20.10	180	758428	87.32 ug/L	96
95)	Hexachlorobutadiene	20.35	225	382324	62.01 ug/L	90
96)	Naphthalene	20.49	128	1865510	83.44 ug/L	99
97)	1,2,3-Trichlorobenzene	20.89	180	657645	84.42 ug/L	84
98)	1,3,5-Trichlorobenzene	19.09	180	824393	90.97 ug/L	97

(#) = qualifier out of range (m) = manual integration

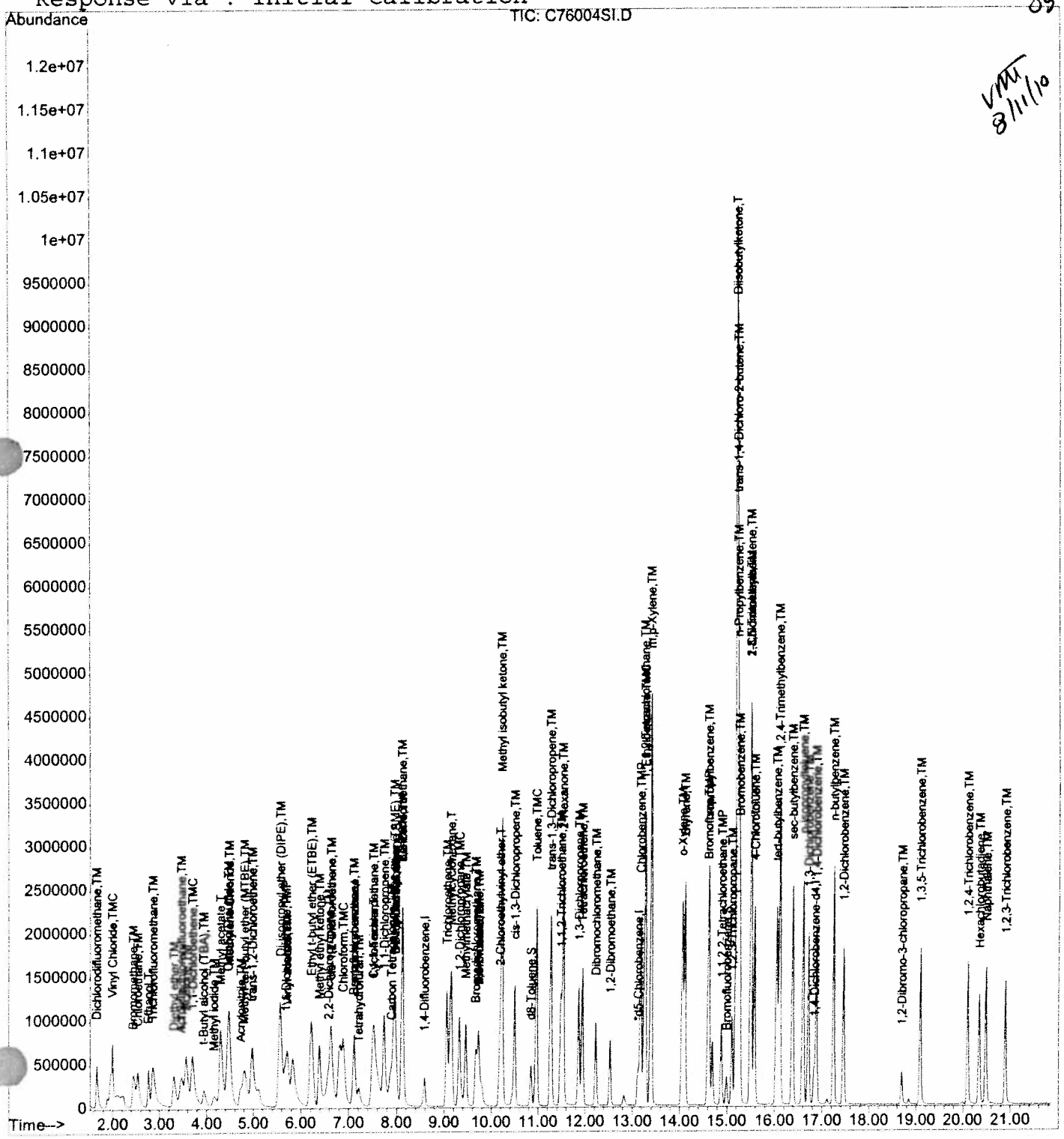
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JK 08.11.10

VMT 8/11/10



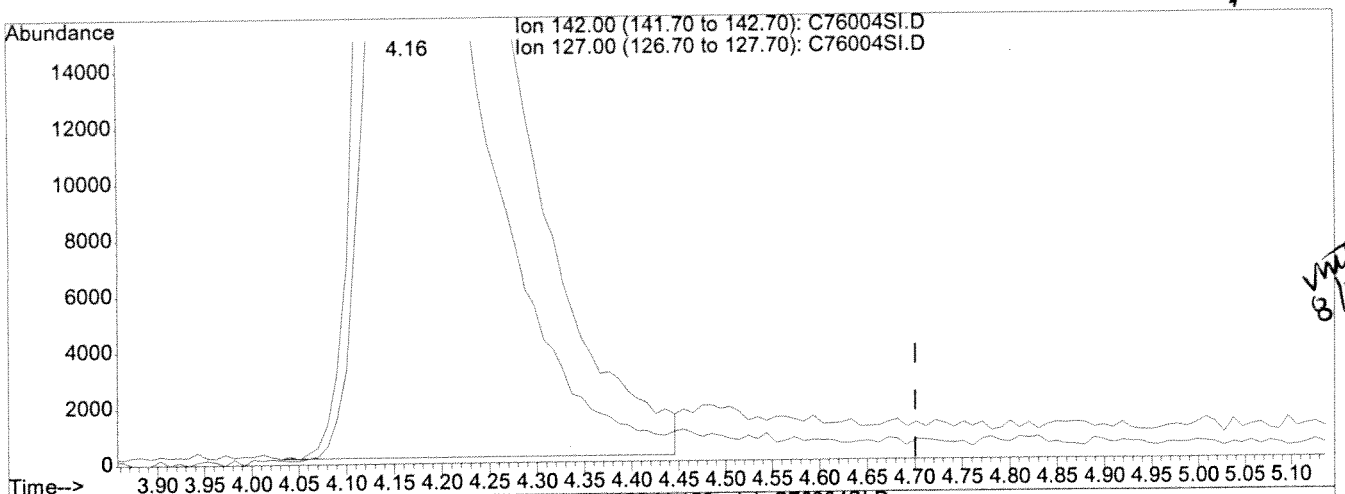
Quantitation Report (Qedit)

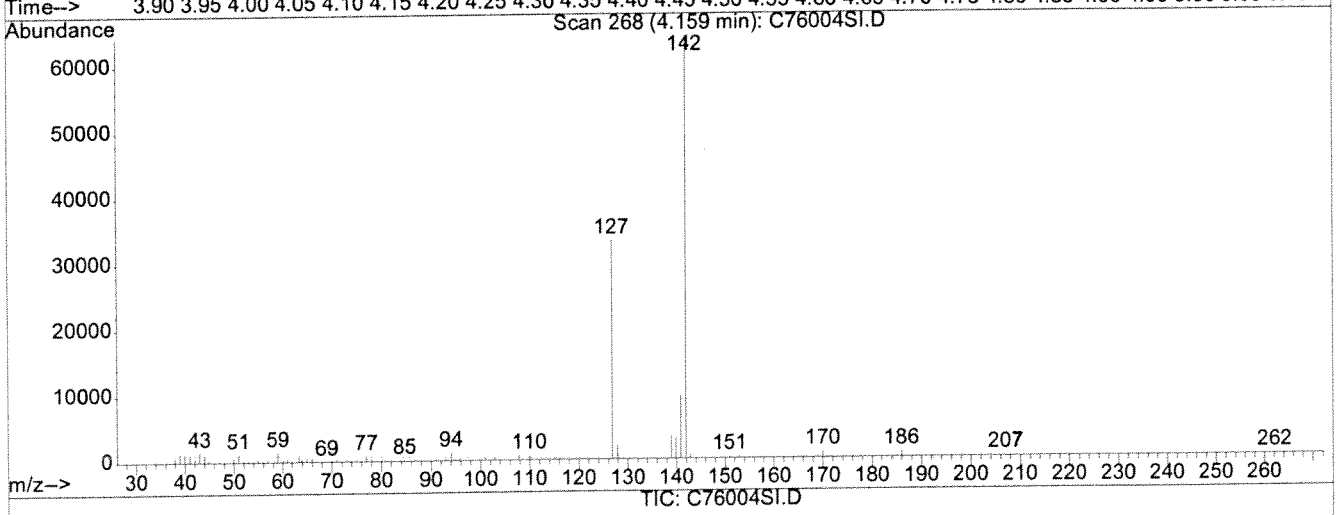
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:35 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 15:37:45 2010
Response via : Multiple Level Calibration

JL 08.11.10 *Tailing *Point NOT USED IN TH CURVE

VMT 8/11/10





(14) Methyl iodide (TM)

4.16min 59.39ug/L

response 466895

Ion	Exp%	Act%
142.00	100	100
127.00	114.00	50.30#
0.00	0.00	0.00
0.00	0.00	0.00

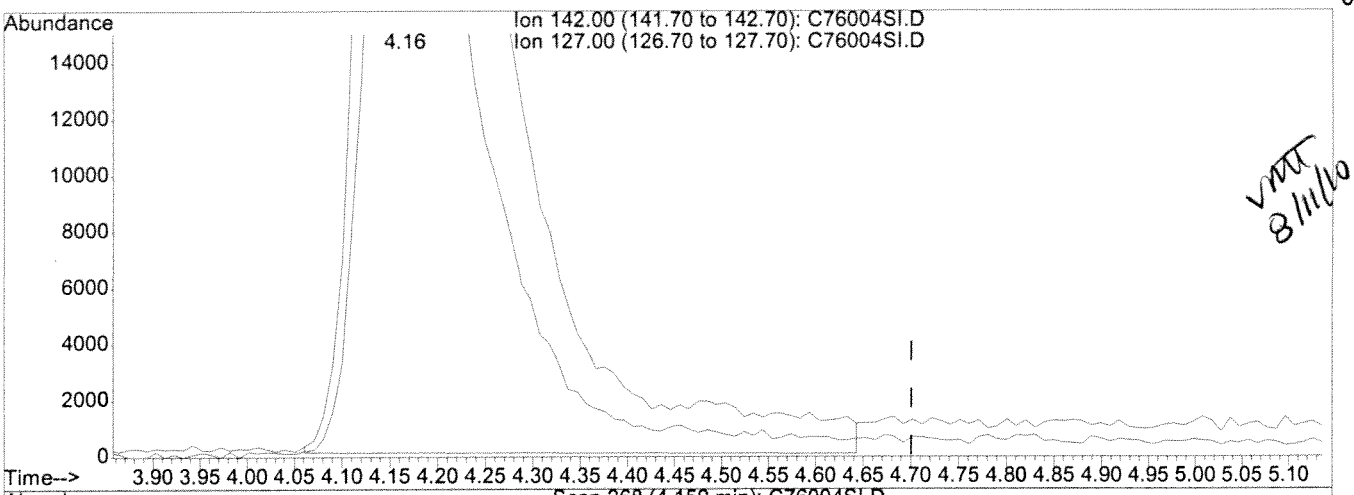
C76004SI.D V808100C.M Tue Aug 10 15:41:44 2010

Quantitation Report (Qedit)

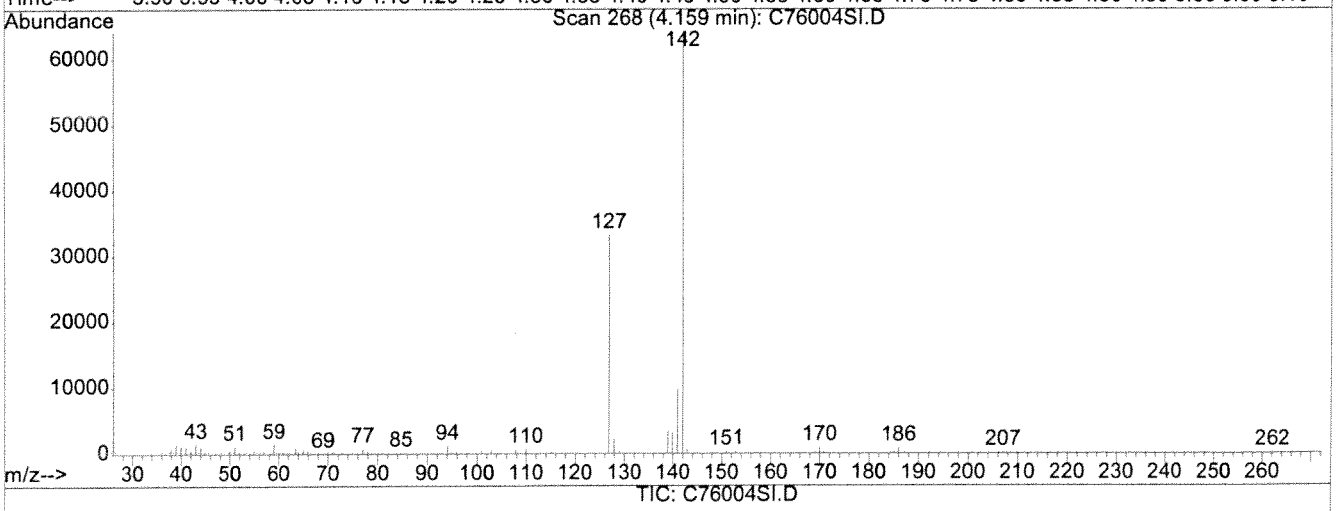
Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76004SI.D Vial: 13
Acq On : 10 Aug 2010 3:14 pm Operator: JK
Sample : 100.0 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 10 15:41 2010 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integr
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 15:37:45 2010
Response via : Multiple Level Calibration

JL 08/11/1



VMT 8/11/10



(14) Methyl iodide (TM)

4.16min 61.73ug/L m

response 485298

Ion	Exp%	Act%
142.00	100	100
127.00	114.00	48.39#
0.00	0.00	0.00
0.00	0.00	0.00

C76004SI.D V808100C.M Tue Aug 10 15:41:56 2010

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

VL
08.11.10

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	80	120	15	0.0	18	89		17	87		2	
Chloromethane	20	80	120	15	0.0	19	95		20	99		5	
Vinyl Chloride	20	80	120	15	0.0	19	95		19	94		1	
Bromomethane	20	80	120	15	0.0	20	100		21	103		3	
Chloroethane	20	80	120	15	0.0	17	84		19	95		12	
t-Butyl alcohol (TBA)	100	80	120	15	0.0	99	99		85	85		16	*
Trichlorofluoromethane	20	80	120	15	0.0	17	87		17	86		1	
Diethyl ether	20	80	120	15	0.0	20	102		21	106		4	
1,1,2-Trichlorotrifluoroethane	20	80	120	15	0.0	16	80		17	84		5	
Acetone	100	80	120	15	0.0	113	113		103	103		9	
1,1-Dichloroethene	20	80	120	15	0.0	18	91		17	85		6	
Methyl iodide	20	80	120	15	0.0	19	96		20	102		6	
Di-isopropyl ether (DIPE)	20	80	120	15	0.0	19	94		19	97		3	
Methylene Chloride	20	80	120	15	0.0	23	117		20	102		13	
Carbon Disulfide	20	80	120	15	0.0	19	94		19	97		4	
Acrylonitrile	20	80	120	15	0.0	22	109		21	105		4	
Methyl-tert-butyl ether (MTBE)	40	80	120	15	0.0	47	119		47	117		2	
trans-1,2-Dichloroethene	20	80	120	15	0.0	18	91		18	92		2	
1,1-Dichloroethane	20	80	120	15	0.0	19	95		19	96		2	
Vinyl acetate	20	80	120	15	0.0	15	74	*	15	76	*	3	
Methyl ethyl ketone	100	80	120	15	0.0	109	109		100	100		9	
Ethyl t-butyl ether (ETBE)	20	80	120	15	0.0	20	98		20	98		0	
2,2-Dichloropropane	20	80	120	15	0.0	18	92		17	87		5	
cis-1,2-Dichloroethene	20	80	120	15	0.0	19	96		19	96		0	
t-Amyl methyl ether (TAME)	20	80	120	15	0.0	20	98		19	95		3	
Chloroform	20	80	120	15	0.0	18	92		19	93		1	
Bromochloromethane	20	80	120	15	0.0	21	103		20	99		4	
Tetrahydrofuran	20	80	120	15	0.0	23	113		21	105		7	
1,1,1-Trichloroethane	20	80	120	15	0.0	19	97		19	97		0	
1,1-Dichloropropene	20	80	120	15	0.0	18	91		19	93		2	
Carbon Tetrachloride	20	80	120	15	0.0	23	114		22	108		6	
1,2-Dichloroethane	20	80	120	15	0.0	20	98		20	100		1	
Benzene	20	80	120	15	0.0	18	89		19	93		4	
Trichloroethene	20	80	120	15	0.0	20	98		19	97		1	
1,2-Dichloropropane	20	80	120	15	0.0	19	97		20	99		2	
Methylmethacrylate	20	80	120	15	0.0	21	105		19	95		11	
Bromodichloromethane	20	80	120	15	0.0	21	104		20	98		6	
Dibromomethane	20	80	120	15	0.0	21	107		19	97		9	
1,4-Dioxane	500	80	120	15	0.0	527	105		458	92		14	
2-Hexanone	100	80	120	15	0.0	113	113		105	105		8	
Methyl isobutyl ketone	100	80	120	15	0.0	111	111		104	104		6	
cis-1,3-Dichloropropene	20	80	120	15	0.0	21	103		20	99		3	
Toluene	20	80	120	15	0.0	19	97		20	98		1	
trans-1,3-Dichloropropene	20	80	120	15	0.0	18	91		17	87		4	
1,1,2-Trichloroethane	20	80	120	15	0.0	21	105		20	101		4	
1,3-Dichloropropane	20	80	120	15	0.0	19	96		19	95		2	
Tetrachloroethene	20	80	120	15	0.0	22	110		22	111		1	
Dibromochloromethane	20	80	120	15	0.0	19	95		19	96		1	
1,2-Dibromoethane	20	80	120	15	0.0	20	98		19	95		3	

X012W

VOA FORM 3

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

OK
08-11-1.

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV
Spike duplicate: 20 PPB ICV2

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Chlorobenzene	20	80	120	15	0.0	18	92		19	94		2	
1,1,1,2-Tetrachloroethane	20	80	120	15	0.0	19	95		19	96		1	
Ethylbenzene	20	80	120	15	0.0	19	93		19	95		2	
m,p-Xylene	40	80	120	15	0.0	37	92		38	95		3	
o-Xylene	20	80	120	15	0.0	19	93		19	95		2	
Styrene	20	80	120	15	0.0	19	95		19	96		1	
Bromoform	20	80	120	15	0.0	19	97		20	99		2	
Isopropylbenzene	20	80	120	15	0.0	16	82		17	83		2	
1,1,2,2-Tetrachloroethane	20	80	120	15	0.0	19	97		19	96		0	
1,2,3-Trichloropropane	20	80	120	15	0.0	21	105		21	103		2	
trans-1,4-Dichloro-2-butene	20	80	120	15	0.0	20	100		20	99		1	
n-Propylbenzene	20	80	120	15	0.0	18	92		19	93		1	
Bromobenzene	20	80	120	15	0.0	19	94		19	97		3	
1,3,5-Trimethylbenzene	20	80	120	15	0.0	19	95		20	98		3	
2-Chlorotoluene	20	80	120	15	0.0	20	98		20	99		1	
4-Chlorotoluene	20	80	120	15	0.0	19	95		19	97		2	
tert-butylbenzene	20	80	120	15	0.0	18	92		19	95		3	
1,2,4-Trimethylbenzene	20	80	120	15	0.0	18	90		19	93		3	
sec-butylbenzene	20	80	120	15	0.0	18	91		19	96		5	
p-isopropyltoluene	20	80	120	15	0.0	18	88		18	91		4	
1,3-Dichlorobenzene	20	80	120	15	0.0	19	93		19	95		2	
1,4-Dichlorobenzene	20	80	120	15	0.0	18	92		19	94		3	
n-butylbenzene	20	80	120	15	0.0	18	91		19	97		7	
1,2-Dichlorobenzene	20	80	120	15	0.0	19	93		20	98		5	
1,2-Dibromo-3-chloropropane	20	80	120	15	0.0	22	108		21	104		4	
1,2,4-Trichlorobenzene	20	80	120	15	0.0	18	91		19	95		4	
Hexachlorobutadiene	20	80	120	15	0.0	18	91		19	97		6	
Naphthalene	20	80	120	15	0.0	21	104		21	104		0	
1,2,3-Trichlorobenzene	20	80	120	15	0.0	20	98		20	102		3	
1,3,5-Trichlorobenzene	20	80	120	15	0.0	18	91		19	97		6	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

381210

VOA FORM 3

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08-11-10 JMT 8/11/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	136751	20.00 ug/L	-0.02
39) 1,4-Difluorobenzene	8.59	114	264160	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	237302	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	105646	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	7.97	65	102649	19.76 ug/L	-0.02
Spiked Amount 20.000	Range 70 - 130		Recovery =	98.80%	
36) d4-1,2-Dichloroethane	7.97	65	102649	19.74 ug/L	-0.02
Spiked Amount 20.000	Range 70 - 120		Recovery =	98.70%	
54) d8-Toluene	10.85	98	299585	20.57 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery =	102.85%	
73) Bromofluorobenzene	14.99	95	114916	20.58 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery =	102.90%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.67	85	91800	17.73 ug/L	98
3) Chloromethane	1.94	50	131402	18.92 ug/L	95
4) Vinyl Chloride	2.02	62	99663	19.03 ug/L	97
5) Bromomethane	2.48	94	83971	19.96 ug/L	98
6) Chloroethane	2.57	64	66943	16.90 ug/L	91
7) t-Butyl alcohol (TBA)	3.91	59	48856	99.14 ug/L	97
8) Trichlorofluoromethane	2.89	101	139999	17.42 ug/L	100
9) Diethyl ether	3.30	74	44001	20.40 ug/L	94
10) 1,1,2-Trichlorotrifluoroet	3.50	101	71276	16.04 ug/L #	89
11) Acrolein	3.45	56	36680	126.57 ug/L	99
12) Acetone	3.56	43	199012	112.72 ug/L #	80
13) 1,1-Dichloroethene	3.72	96	74893	18.12 ug/L	83
14) Methyl iodide	4.17	142	72677	19.26 ug/L #	42
15) Di-isopropyl ether (DIPE)	5.57	45	380180	18.74 ug/L #	86
16) Methylene Chloride	4.49	84	109913	23.32 ug/L #	69
17) Carbon Disulfide	4.46	76	261470	18.71 ug/L	98
18) Acrylonitrile	4.72	53	48244	21.88 ug/L	97
19) Methyl-tert-butyl ether (M	4.80	73	453158	47.41 ug/L #	85
20) trans-1,2-Dichloroethene	4.98	61	127600	18.14 ug/L	88
21) 1,1-Dichloroethane	5.67	63	155377	18.96 ug/L	92
22) Vinyl acetate	5.72	43	126273	14.75 ug/L #	93
23) Methyl ethyl ketone	6.38	72	53462	109.15 ug/L	93
24) Ethyl t-butyl ether (ETBE)	6.22	59	291594	19.60 ug/L #	82
25) 2,2-Dichloropropane	6.58	77	97123	18.32 ug/L	95
26) cis-1,2-Dichloroethene	6.63	96	97058	19.25 ug/L	89
27) t-Amyl methyl ether (TAME)	7.96	73	238606	19.51 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.10 MAT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.89	83	153097	18.48 ug/L	99
30)	Bromochloromethane	7.12	128	44654	20.54 ug/L	89
31)	Tetrahydrofuran	7.22	71	12798	22.52 ug/L	86
32)	1,1,1-Trichloroethane	7.51	97	125501	19.43 ug/L	78
33)	Ethanol	2.71	45	92620	1052.53 ug/L #	91
34)	1,1-Dichloropropene	7.73	75	117555	18.16 ug/L	95
35)	Carbon Tetrachloride	7.88	119	88123	22.88 ug/L	98
37)	1,2-Dichloroethane	8.12	62	121712	19.64 ug/L	97
38)	Benzene	8.12	78	300370	17.86 ug/L	97
40)	Trichloroethene	9.06	95	91928	19.68 ug/L #	44
41)	1,2-Dichloropropane	9.32	63	89357	19.38 ug/L	96
42)	Methylmethacrylate	9.46	69	70235	21.07 ug/L	91
43)	Methyl acetate	4.29	43	60471	9.48 ug/L #	88
44)	Cyclohexane	7.54	56	182353	24.16 ug/L #	36
45)	Bromodichloromethane	9.67	83	112187	20.89 ug/L	97
46)	Dibromomethane	9.73	93	63735	21.31 ug/L #	77
47)	1,4-Dioxane	9.73	88	30232	526.97 ug/L #	66
48)	Methylcyclohexane	9.07	83	1631	0.24 ug/L #	1
50)	2-Chloroethylvinyl ether	10.17	63	180	0.07 ug/L #	42
51)	2-Hexanone	11.53	58	216411	113.35 ug/L	80
52)	Methyl isobutyl ketone	10.22	58	216322	110.55 ug/L #	66
53)	cis-1,3-Dichloropropene	10.50	75	145632	20.52 ug/L	96
55)	Toluene	10.97	92	198268	19.43 ug/L	86
56)	trans-1,3-Dichloropropene	11.25	75	120899	18.12 ug/L	85
58)	1,1,2-Trichloroethane	11.48	83	69335	20.99 ug/L	95
59)	1,3-Dichloropropane	11.86	76	138195	19.24 ug/L	99
60)	Tetrachloroethene	11.94	166	107533	22.04 ug/L	91
61)	Dibromochloromethane	12.23	129	93284	19.00 ug/L	92
62)	1,2-Dibromoethane	12.54	107	99215	19.52 ug/L	99
64)	Chlorobenzene	13.18	112	226122	18.32 ug/L	89
65)	1,1,1,2-Tetrachloroethane	13.25	131	81084	19.00 ug/L	97
66)	Ethylbenzene	13.28	91	359021	18.60 ug/L	83
67)	m,p-Xylene	13.39	106	291020	36.96 ug/L #	54
68)	o-Xylene	14.06	106	141321	18.59 ug/L #	58
69)	Styrene	14.11	104	253350	19.05 ug/L	78
70)	Bromoform	14.60	173	57050	19.37 ug/L	99
71)	Isopropylbenzene	14.62	105	323095	16.32 ug/L	91
72)	1,1,2,2-Tetrachloroethane	14.88	83	113055	19.31 ug/L	100
74)	1,2,3-Trichloropropane	15.10	75	84448	21.02 ug/L	92
75)	trans-1,4-Dichloro-2-buten	15.24	89	30358	20.03 ug/L #	75
76)	n-Propylbenzene	15.24	91	427810	18.36 ug/L	86

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08.11.10

VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.28	156	83937	18.85 ug/L #	77
78)	1,3,5-Trimethylbenzene	15.49	105	295414	19.07 ug/L	84
79)	2-Chlorotoluene	15.49	91	278347	19.66 ug/L	74
80)	4-Chlorotoluene	15.57	91	253349	18.93 ug/L	70
81)	tert-butylbenzene	16.04	119	252775	18.39 ug/L #	75
82)	1,2,4-Trimethylbenzene	16.11	105	298298	17.97 ug/L	82
83)	Diisobutylketone	15.24	57	5612	0.48 ug/L #	1
84)	sec-butylbenzene	16.38	105	398842	18.19 ug/L	87
85)	p-isopropyltoluene	16.60	119	307534	17.52 ug/L	82
86)	1,3-Dichlorobenzene	16.72	146	150087	18.51 ug/L #	81
88)	1,4-Dichlorobenzene	16.89	146	155562	18.32 ug/L #	81
89)	n-butylbenzene	17.24	91	301048	18.21 ug/L	79
90)	1,2-Dichlorobenzene	17.46	146	142349	18.67 ug/L #	84
92)	1,2-Dibromo-3-chloropropan	18.69	75	20994	21.66 ug/L	91
94)	1,2,4-Trichlorobenzene	20.10	180	106129	18.24 ug/L	99
95)	Hexachlorobutadiene	20.35	225	52609	18.21 ug/L	94
96)	Naphthalene	20.48	128	293886	20.80 ug/L	98
97)	1,2,3-Trichlorobenzene	20.90	180	101591	19.69 ug/L	86
98)	1,3,5-Trichlorobenzene	19.09	180	112789	18.28 ug/L	94

(#) = qualifier out of range (m) = manual integration

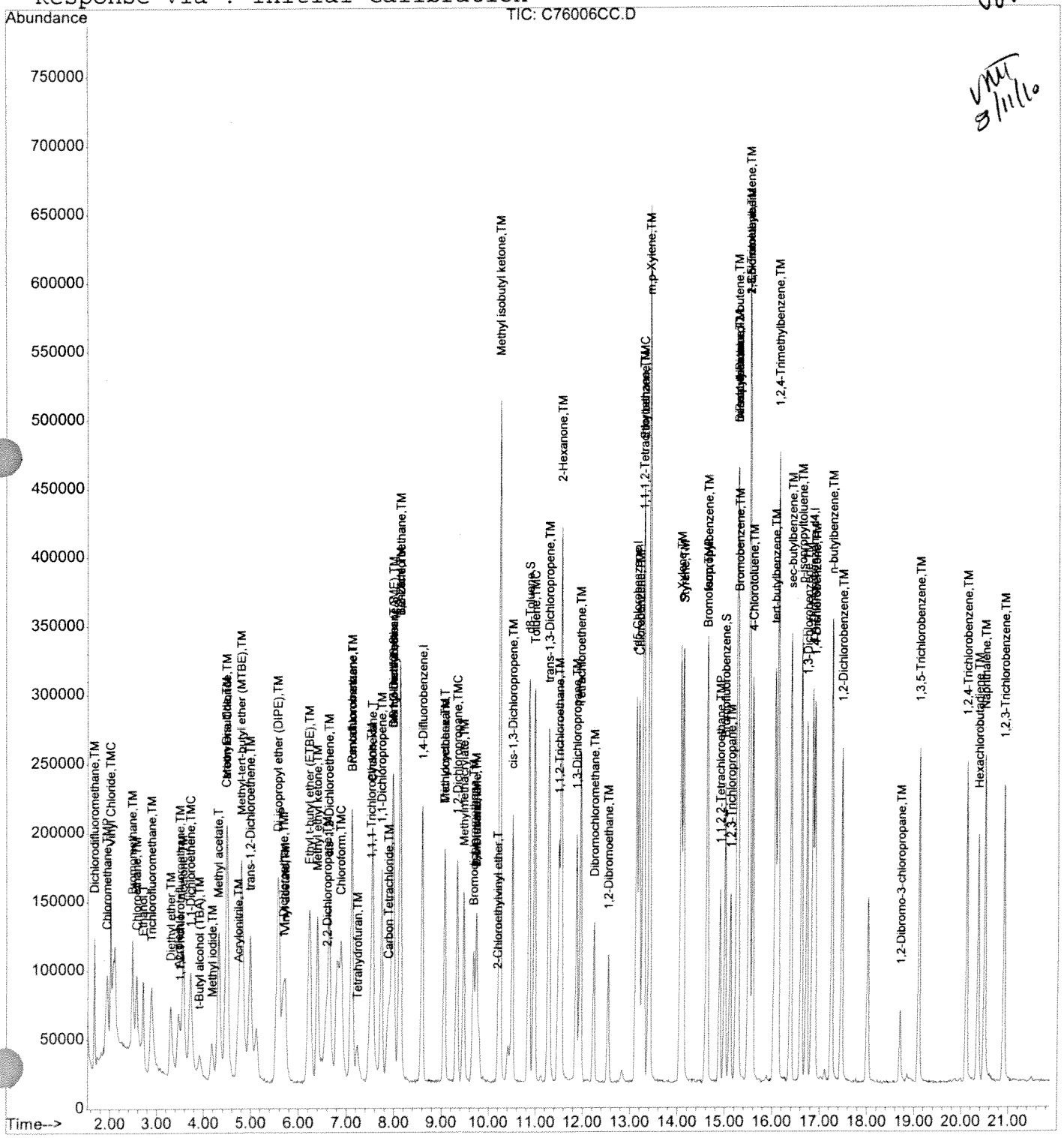
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76006CC.D Vial: 15
Acq On : 10 Aug 2010 4:35 pm Operator: JK
Sample : 20 PPB ICV Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JL 08/11/10

VMT 8/11/10



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08.11.10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	197193	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.59	114	389939	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.12	117	341660	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.84	152	149620	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	7.99	65	151441	20.22 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 101.10%		
36) d4-1,2-Dichloroethane	7.99	65	152282	20.31 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery = 101.55%		
54) d8-Toluene	10.85	98	428903	19.95 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 99.75%		
73) Bromofluorobenzene	14.99	95	160730	19.99 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 99.95%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	130365	17.46 ug/L	97
3) Chloromethane	1.99	50	198474	19.82 ug/L	94
4) Vinyl Chloride	2.01	62	142231	18.84 ug/L	93
5) Bromomethane	2.50	94	125213	20.61 ug/L	94
6) Chloroethane	2.59	64	109072	19.09 ug/L	95
7) t-Butyl alcohol (TBA)	3.93	59	60289	84.84 ug/L #	89
8) Trichlorofluoromethane	2.92	101	200435	17.30 ug/L	100
9) Diethyl ether	3.33	74	65877	21.18 ug/L	96
10) 1,1,2-Trichlorotrifluoroet	3.55	101	107703	16.81 ug/L #	84
11) Acrolein	3.47	56	57305	137.15 ug/L	96
12) Acetone	3.57	43	263135	103.06 ug/L #	80
13) 1,1-Dichloroethene	3.74	96	101215	16.98 ug/L	86
14) Methyl iodide	4.18	142	111238	20.43 ug/L #	39
15) Di-isopropyl ether (DIPE)	5.56	45	565048	19.31 ug/L #	85
16) Methylene Chloride	4.51	84	139517	20.44 ug/L #	76
17) Carbon Disulfide	4.48	76	392640	19.48 ug/L	100
18) Acrylonitrile	4.73	53	66978	21.06 ug/L	91
19) Methyl-tert-butyl ether (M	4.83	73	643094	46.66 ug/L #	89
20) trans-1,2-Dichloroethene	5.00	61	186807	18.41 ug/L	89
21) 1,1-Dichloroethane	5.69	63	227671	19.27 ug/L	94
22) Vinyl acetate	5.73	43	186972	15.15 ug/L #	93
23) Methyl ethyl ketone	6.39	72	70554	99.90 ug/L	94
24) Ethyl t-butyl ether (ETBE)	6.22	59	421528	19.64 ug/L #	81
25) 2,2-Dichloropropane	6.60	77	132637	17.35 ug/L	91
26) cis-1,2-Dichloroethene	6.65	96	140205	19.28 ug/L	88
27) t-Amyl methyl ether (TAME)	7.96	73	333496	18.91 ug/L	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JK 08-11-1 VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	Chloroform	6.90	83	222899	18.66 ug/L	99
30)	Bromochloromethane	7.13	128	62048	19.77 ug/L	91
31)	Tetrahydrofuran	7.24	71	17290	20.98 ug/L	90
32)	1,1,1-Trichloroethane	7.52	97	181370	19.47 ug/L #	80
33)	Ethanol	2.71	45	116853	920.89 ug/L #	90
34)	1,1-Dichloropropene	7.74	75	173690	18.60 ug/L	97
35)	Carbon Tetrachloride	7.89	119	119538	21.52 ug/L	98
37)	1,2-Dichloroethane	8.13	62	177954	19.91 ug/L	93
38)	Benzene	8.13	78	451433	18.61 ug/L	95
40)	Trichloroethene	9.07	95	134216	19.46 ug/L #	43
41)	1,2-Dichloropropane	9.33	63	134877	19.81 ug/L	96
42)	Methylmethacrylate	9.46	69	93118	18.92 ug/L	90
43)	Methyl acetate	4.31	43	65209	6.70 ug/L #	91
44)	Cyclohexane	7.56	56	263250	23.62 ug/L #	38
45)	Bromodichloromethane	9.68	83	156117	19.70 ug/L	95
46)	Dibromomethane	9.74	93	86599	19.45 ug/L #	75
47)	1,4-Dioxane	9.73	88	38812	458.31 ug/L #	68
48)	Methylcyclohexane	9.15	83	690	0.07 ug/L #	85
50)	2-Chloroethylvinyl ether	10.14	63	391	0.10 ug/L #	42
51)	2-Hexanone	11.53	58	294925	104.65 ug/L	80
52)	Methyl isobutyl ketone	10.22	58	300492	104.03 ug/L #	65
53)	cis-1,3-Dichloropropene	10.50	75	208082	19.86 ug/L	98
55)	Toluene	10.97	92	296443	19.68 ug/L	86
56)	trans-1,3-Dichloropropene	11.25	75	171243	17.39 ug/L	89
58)	1,1,2-Trichloroethane	11.48	83	98459	20.19 ug/L	97
59)	1,3-Dichloropropane	11.87	76	200366	18.90 ug/L	98
60)	Tetrachloroethene	11.94	166	159636	22.17 ug/L	93
61)	Dibromochloromethane	12.23	129	139108	19.19 ug/L	96
62)	1,2-Dibromoethane	12.54	107	142375	18.98 ug/L	95
64)	Chlorobenzene	13.18	112	333051	18.75 ug/L	90
65)	1,1,1,2-Tetrachloroethane	13.26	131	118088	19.22 ug/L	93
66)	Ethylbenzene	13.28	91	526355	18.94 ug/L	79
67)	m,p-Xylene	13.39	106	431975	38.11 ug/L #	53
68)	o-Xylene	14.05	106	208135	19.02 ug/L #	55
69)	Styrene	14.11	104	368122	19.22 ug/L	76
70)	Bromoform	14.60	173	84161	19.83 ug/L	95
71)	Isopropylbenzene	14.62	105	475642	16.68 ug/L	93
72)	1,1,2,2-Tetrachloroethane	14.88	83	162053	19.22 ug/L	96
74)	1,2,3-Trichloropropane	15.10	75	118967	20.55 ug/L	99
75)	trans-1,4-Dichloro-2-buten	15.24	89	43102	19.75 ug/L #	71
76)	n-Propylbenzene	15.24	91	623627	18.59 ug/L	85

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

JL 08.11.1
VMT 8/11/10

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Bromobenzene	15.28	156	125033	19.50 ug/L #	74
78)	1,3,5-Trimethylbenzene	15.49	105	436486	19.57 ug/L	82
79)	2-Chlorotoluene	15.49	91	404037	19.82 ug/L	73
80)	4-Chlorotoluene	15.57	91	372795	19.35 ug/L	70
81)	tert-butylbenzene	16.05	119	374429	18.92 ug/L #	72
82)	1,2,4-Trimethylbenzene	16.11	105	443759	18.57 ug/L	82
83)	Diisobutylketone	15.25	57	5050	0.30 ug/L #	1
84)	sec-butylbenzene	16.38	105	603169	19.10 ug/L	86
85)	p-isopropyltoluene	16.60	119	458933	18.16 ug/L	82
86)	1,3-Dichlorobenzene	16.72	146	221551	18.98 ug/L #	83
88)	1,4-Dichlorobenzene	16.88	146	226345	18.83 ug/L #	83
89)	n-butylbenzene	17.25	91	455145	19.43 ug/L	76
90)	1,2-Dichlorobenzene	17.46	146	212729	19.70 ug/L #	80
92)	1,2-Dibromo-3-chloropropan	18.70	75	28588	20.79 ug/L #	64
94)	1,2,4-Trichlorobenzene	20.10	180	157187	19.07 ug/L	96
95)	Hexachlorobutadiene	20.35	225	79511	19.44 ug/L	90
96)	Naphthalene	20.48	128	415414	20.76 ug/L	99
97)	1,2,3-Trichlorobenzene	20.90	180	148744	20.36 ug/L	83
98)	1,3,5-Trichlorobenzene	19.09	180	169692	19.42 ug/L	98

(#) = qualifier out of range (m) = manual integration
C76007CC.D V808100C.M Wed Aug 11 09:45:57 2010 Page 3

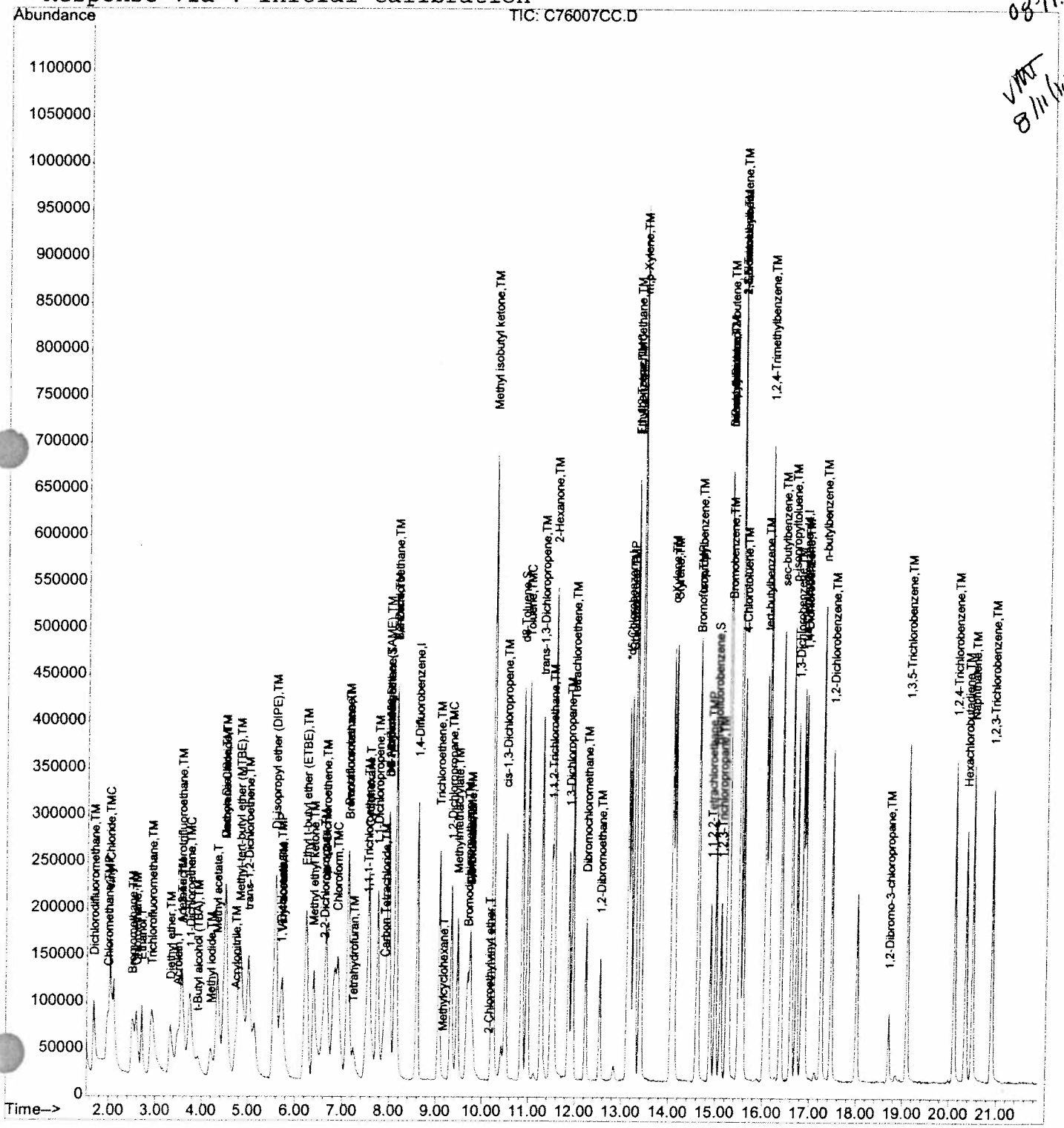
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\081010-C\C76007CC.D Vial: 16
Acq On : 10 Aug 2010 5:08 pm Operator: JK
Sample : 20 PPB ICV2 Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 11 8:21 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Tue Aug 10 16:11:44 2010
Response via : Initial Calibration

JL 08-11-10

VMT 8/11/10



Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration

AM 10/19/10

Calibration Files
1 =B74536SI.D 2 =B74537SI.D 5 =B74538SI.D
20 =B74539SI.D 50 =B74540SI.D 100 =B74541SI.D

		Compound	1	2	5	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	TM	Dichlorodifluoromet	1.026	1.019	0.965	1.048	1.050	1.052	1.034	3.10
3)	TMP	Chloromethane	1.226	1.084	1.052	1.103	1.085	1.042	1.131✓	9.21
4)	TMC	Vinyl Chloride	0.821	0.730	0.703	0.746	0.804	0.819	0.803	13.33#✓
5)	TM	Bromomethane	0.686	0.705	0.563	0.263	0.225	0.218	0.527	~~47.70~~ Lin
6)	TM	Chloroethane	0.329	0.305	0.264	0.249			0.323	~~21.46~~ Lin
7)	TM	t-Butyl alcohol (TB	0.069	0.059	0.064	0.066	0.059	0.068	0.066#	8.10
8)	TM	Trichlorofluorometh	0.929	0.883	0.873	0.924	0.892	0.753	0.909	9.16
9)	TM	Diethyl ether	0.300	0.311	0.296	0.319	0.307	0.289	0.300	8.91
10)	TM	1,1,2-Trichlorotrif	0.564	0.600	0.533	0.596	0.597	0.556	0.574	4.31
11)	T	Acrolein	0.091	0.090	0.089	0.094	0.091	0.092	0.094#	9.77
12)	TM	Acetone	0.265	0.230	0.228	0.223	0.204	0.205	0.226	9.85
13)	TMC	1,1-Dichloroethene	0.619	0.578	0.549	0.598	0.590	0.550	0.593	8.86#✓
14)	TM	Methyl iodide	0.918	0.859	0.834	0.884	0.867	0.785	0.878	7.78
15)	TM	Di-isopropyl ether	2.563	2.565	2.434	2.620	2.469	2.357	2.561	6.16
16)	TM	Methylene Chloride	1.150	0.931	0.804	0.825	0.794	0.765	1.128	~~48.03~~ Lin
17)	TM	Carbon Disulfide	1.860	1.811	1.713	1.886	1.832	1.699	1.899	11.55
18)	TM	Acrylonitrile	0.277	0.258	0.251	0.279	0.261	0.261	0.254	8.53
19)	TM	Methyl-tert-butyl e	1.722	1.686	1.631	1.769	1.709	1.658	1.725	4.07
20)	TM	trans-1,2-Dichloroe	0.730	0.711	0.662	0.729	0.720	0.688	0.728	7.27
21)	TMP	1,1-Dichloroethane	1.059	1.045	0.984	1.059	1.045	0.983	1.068✓	9.02
22)	TM	Vinyl acetate	0.070	0.091	0.105	0.118	0.123	0.123	0.096#	~~32.50~~ Lin
23)	TM	Methyl ethyl ketone	0.386	0.375	0.382	0.407	0.372	0.377	0.400	10.72
24)	TM	Ethyl t-butyl ether	1.833	1.849	1.829	1.969	1.935	1.856	1.894	4.04
25)	TM	2,2-Dichloropropane	0.860	0.827	0.805	0.841	0.821	0.778	0.858	11.24
26)	TM	cis-1,2-Dichloroeth	0.791	0.800	0.762	0.815	0.806	0.777	0.824	10.95
27)	TM	t-Amyl methyl ether	1.738	1.735	1.650	1.817	1.747	1.718	1.756	4.62
28)	S	DB HOLDER #28	0.863	0.849	0.861	0.839	0.818	0.788	0.838	2.97
29)	TMC	Chloroform	1.274	1.281	1.222	1.335	1.294	1.225	1.296	7.33#✓
30)	TM	Bromochloromethane	0.318	0.324	0.307	0.346	0.334	0.325	0.319	5.45
31)	TM	Tetrahydrofuran	0.056	0.068	0.073	0.078	0.072	0.074	0.069#	10.62
32)	TM	1,1,1-Trichloroetha	0.936	0.913	0.888	0.979	0.962	0.920	0.958	7.49
33)	T	Ethanol	0.008	0.007	0.007	0.007	0.007		0.009#	~~35.84~~ Lin
34)	TM	1,1-Dichloropropene	0.842	0.840	0.777	0.872	0.838	0.795	0.840	4.53
35)	TM	Carbon Tetrachlorid	0.582	0.626	0.593	0.666	0.674	0.669	0.641	7.89
36)	S	d4-1,2-Dichloroetha	0.863	0.849	0.861	0.839	0.818	0.788	0.838	2.97
37)	TM	1,2-Dichloroethane	0.833	0.850	0.823	0.866	0.813	0.758	0.850	7.00
38)	TM	Benzene	2.521	2.464	2.357	2.531	2.487	2.402	2.554	10.32
39)	I	1,4-Difluorobenzene	----------ISTD----------							
40)	TM	Trichloroethene	0.305	0.298	0.270	0.299	0.297	0.287	0.299	7.18
41)	TMC	1,2-Dichloropropane	0.236	0.250	0.246	0.255	0.247	0.238	0.251	7.65#✓
42)	TM	Methylmethacrylate	0.164	0.165	0.169	0.180	0.171	0.172	0.176	11.25
43)	T	Methyl acetate	0.290	0.272	0.268	0.282	0.260	0.260	0.271	4.28
44)	T	Cyclohexane	0.542	0.424	0.322	0.315	0.299	0.288	0.427	~~43.90~~ Lin
45)	TM	Bromodichloromethan	0.379	0.389	0.362	0.397	0.394	0.384	0.387	3.67
46)	TM	Dibromomethane	0.234	0.252	0.237	0.259	0.253	0.248	0.245	3.81
47)	TM	1,4-Dioxane	0.004	0.003	0.004	0.004	0.004	0.004	0.004#	12.23
48)	T	Methylcyclohexane	0.245	0.268	0.235	0.265	0.262	0.259	0.257	5.12
49)	T	NO COMPOUND							0.000#	-1.00
50)	T	2-Chloroethylvinyl			0.002	0.001	0.001	0.001	0.001#	~~42.39~~
51)	TM	2-Hexanone	0.092	0.093	0.100	0.106	0.098	0.105	0.100	6.73
52)	TM	Methyl isobutyl ket	0.095	0.098	0.102	0.109	0.103	0.109	0.105	7.00
53)	TM	cis-1,3-Dichloropro	0.369	0.403	0.379	0.422	0.415	0.408	0.404	6.47
54)	S	d8-Toluene	1.169	1.195	1.163	1.176	1.183	1.194	1.176	1.19
55)	TMC	Toluene	0.592	0.603	0.569	0.623	0.618	0.604	0.625	9.45#✓

VMT 10/19/10

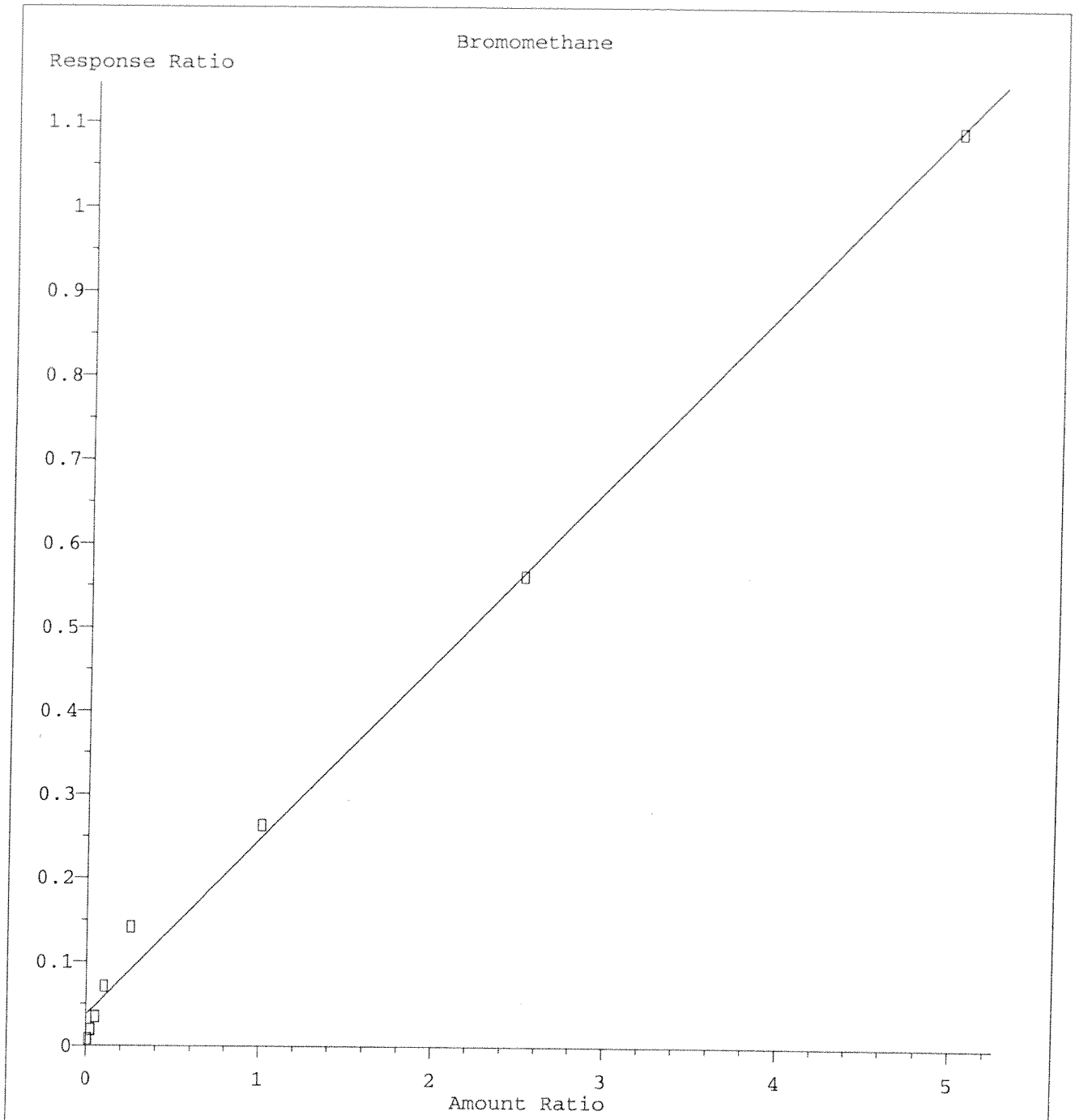
(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration

Calibration Files
1 =B74536SI.D 2 =B74537SI.D 5 =B74538SI.D
20 =B74539SI.D 50 =B74540SI.D 100 =B74541SI.D

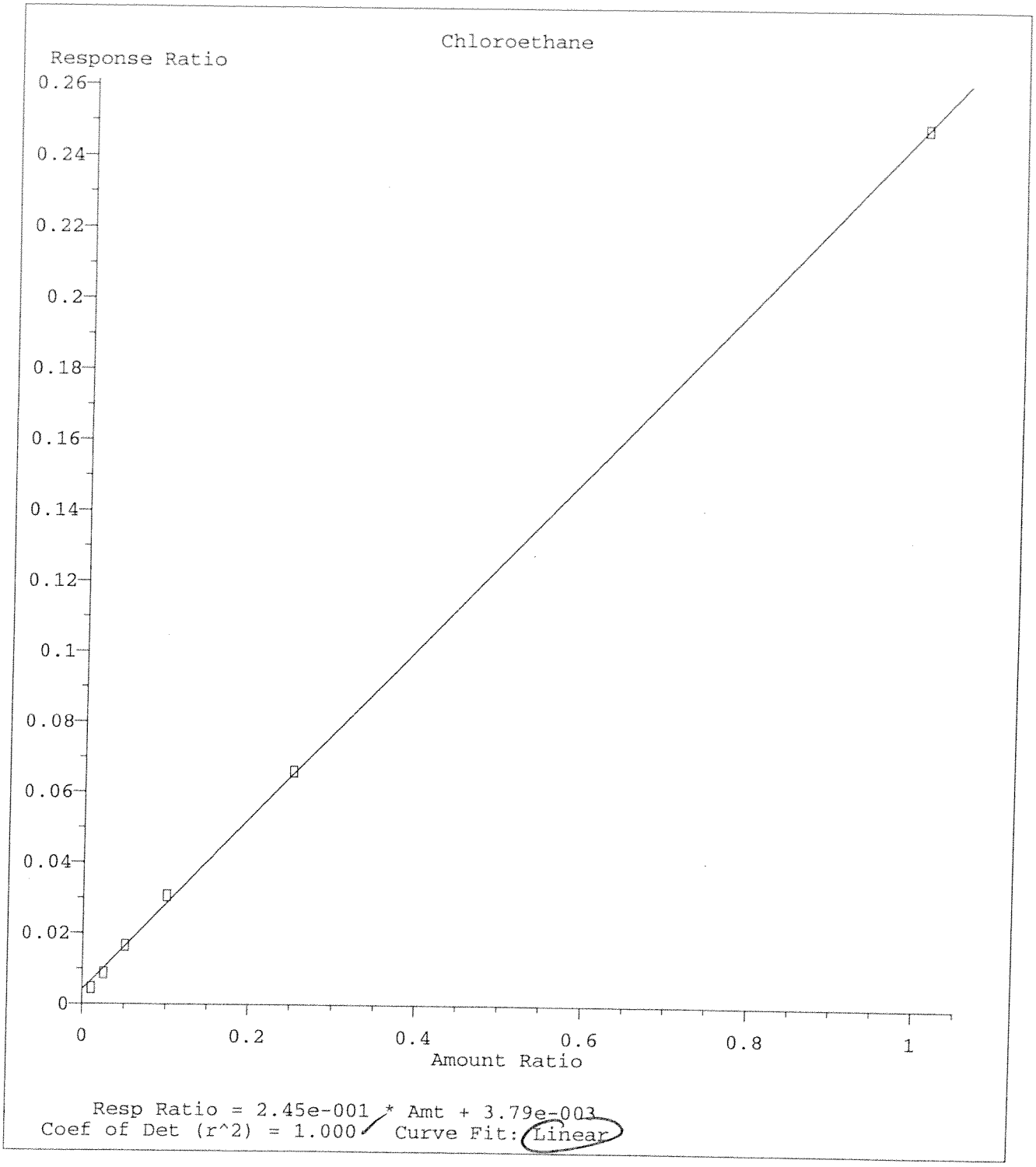
		Compound	1	2	5	20	50	100	Avg	%RSD
56)	TM	trans-1,3-Dichlorop	0.359	0.374	0.352	0.399	0.390	0.384	0.379	4.63
57)	T	NO COMPOUND							0.000#	-1.00
58)	TM	1,1,2-Trichloroetha	0.244	0.234	0.233	0.247	0.240	0.238	0.237	3.83
59)	TM	1,3-Dichloropropane	0.394	0.399	0.394	0.431	0.409	0.401	0.418	9.68
60)	TM	Tetrachloroethene	0.160	0.169	0.155	0.175	0.170	0.169	0.169	6.12
61)	TM	Dibromochloromethan	0.220	0.236	0.220	0.251	0.247	0.253	0.233	6.57
62)	TM	1,2-Dibromoethane	0.293	0.315	0.309	0.336	0.324	0.327	0.313	4.78
63)	I	*d5-Chlorobenzene	----------ISTD----------							
64)	TMP	Chlorobenzene	0.793	0.821	0.774	0.826	0.803	0.786	0.831✓	9.71
65)	TM	1,1,1,2-Tetrachloro	0.200	0.196	0.185	0.209	0.206	0.207	0.200	4.45
66)	TMC	Ethylbenzene	1.250	1.281	1.202	1.328	1.305	1.245	1.319	10.39#✓
67)	TM	m,p-Xylene	0.445	0.441	0.434	0.459	0.454	0.434	0.461	9.35
68)	TM	o-Xylene	0.437	0.445	0.418	0.465	0.461	0.441	0.462	8.06
69)	TM	Styrene	0.757	0.746	0.736	0.835	0.826	0.794	0.784	5.42
70)	TMP	Bromoform	0.143	0.145	0.157	0.176	0.176	0.186	0.161✓	10.29
71)	TM	Isopropylbenzene	0.960	0.987	0.926	1.027	1.010	0.989	1.015	10.14
72)	TMP	1,1,2,2-Tetrachloro	0.434	0.452	0.447	0.470	0.455	0.470	0.457✓	2.91
73)	S	Bromofluorobenzene	0.557	0.549	0.552	0.557	0.542	0.550	0.550	0.90
74)	TM	1,2,3-Trichloroprop	0.419	0.404	0.406	0.448	0.420	0.434	0.435	8.12
75)	TM	trans-1,4-Dichloro-	0.074	0.067	0.077	0.088	0.085	0.091	0.079#	12.03
76)	TM	n-Propylbenzene	1.201	1.215	1.178	1.266	1.274	1.231	1.275	10.77
77)	TM	Bromobenzene	0.242	0.246	0.220	0.236	0.238	0.234	0.243	8.27
78)	TM	1,3,5-Trimethylbenz	0.748	0.748	0.730	0.783	0.806	0.782	0.784	8.66
79)	TM	2-Chlorotoluene	0.808	0.817	0.770	0.825	0.824	0.791	0.804	2.52
80)	TM	4-Chlorotoluene	0.952	0.953	0.901	0.957	0.972	0.929	0.984	10.59
81)	TM	tert-butylbenzene	0.669	0.655	0.626	0.702	0.720	0.717	0.698	8.47
82)	TM	1,2,4-Trimethylbenz	0.806	0.815	0.789	0.850	0.850	0.841	0.861	10.93
83)	T	Diisobutylketone	0.635	0.674	0.660	0.725	0.663	0.570	0.653	6.87
84)	TM	sec-butylbenzene	0.851	0.847	0.799	0.886	0.880	0.865	0.886	9.61
85)	TM	p-isopropyltoluene	0.556	0.606	0.548	0.629	0.639	0.634	0.619	10.73
86)	TM	1,3-Dichlorobenzene	0.380	0.372	0.345	0.385	0.383	0.383	0.392	12.45
87)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
88)	TM	1,4-Dichlorobenzene	1.183	1.140	1.085	1.118	1.100	1.062	1.170	10.48
89)	TM	n-butylbenzene	1.806	1.844	1.795	1.966	2.029	1.893	1.898	4.65
90)	TM	1,2-Dichlorobenzene	1.100	1.044	0.996	1.057	1.055	1.020	1.056	4.15
91)	T	NO COMPOUND							0.000#	-1.00
92)	TM	1,2-Dibromo-3-chlor	0.176	0.170	0.183	0.180	0.172	0.186	0.168	12.70
93)	T	NO COMPOUND							0.000#	-1.00
94)	TM	1,2,4-Trichlorobenz	0.534	0.498	0.511	0.544	0.541	0.573	0.542	6.00
95)	TM	Hexachlorobutadiene	0.207	0.186	0.171	0.171	0.180	0.184	0.188	9.63
96)	TM	Naphthalene	1.681	1.595	1.728	1.888	1.843	1.959	1.815	10.10
97)	TM	1,2,3-Trichlorobenz	0.503	0.455	0.489	0.492	0.493	0.515	0.508	8.71
98)	TM	1,3,5-Trichlorobenz	0.564	0.530	0.517	0.553	0.562	0.565	0.584	13.93

(#) = Out of Range ### Number of calibration levels exceeded format ###

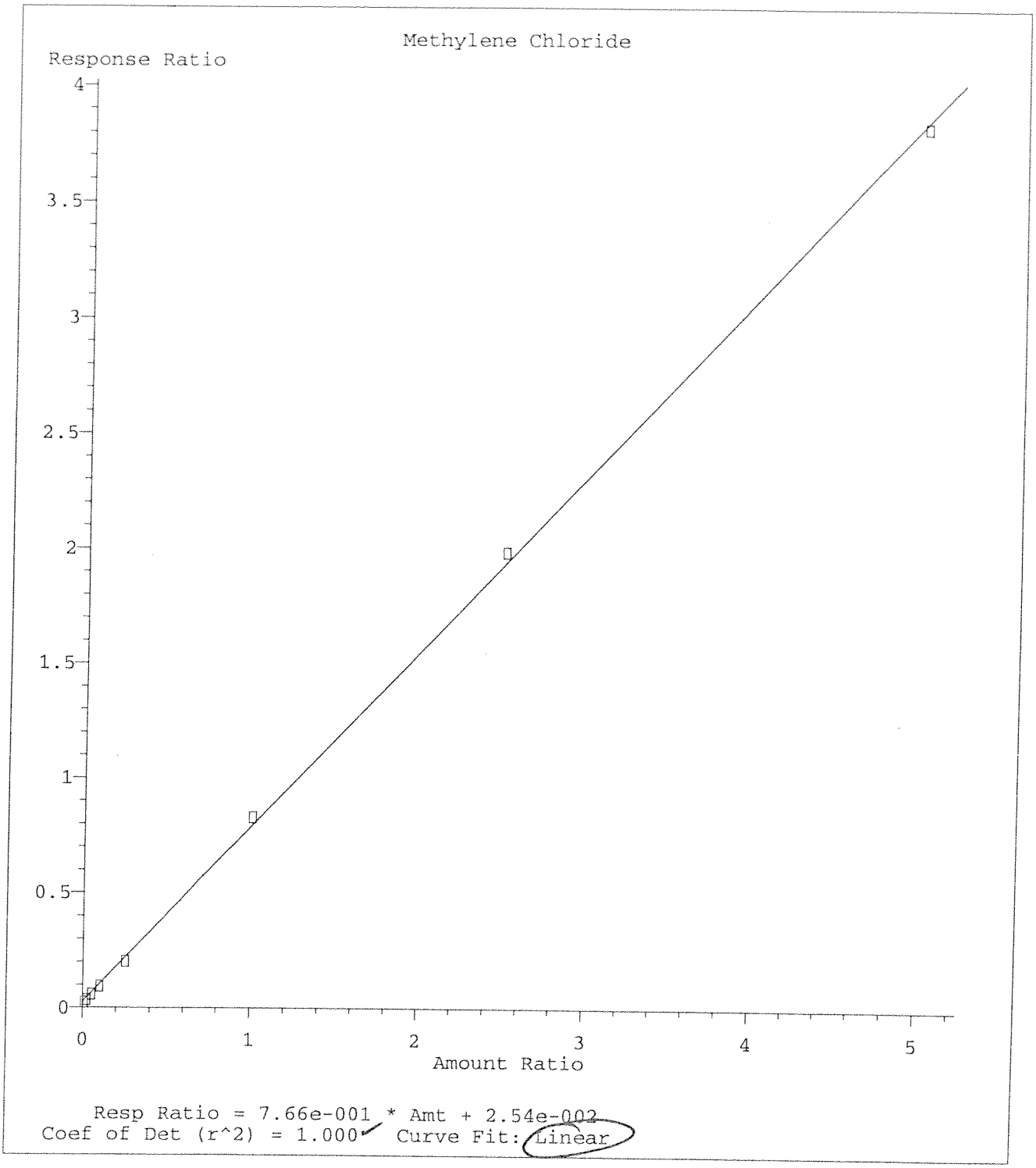


Resp Ratio = 2.11e-001 * Amt + 3.75e-002
Coef of Det (r^2) = 0.995 Curve Fit: Linear

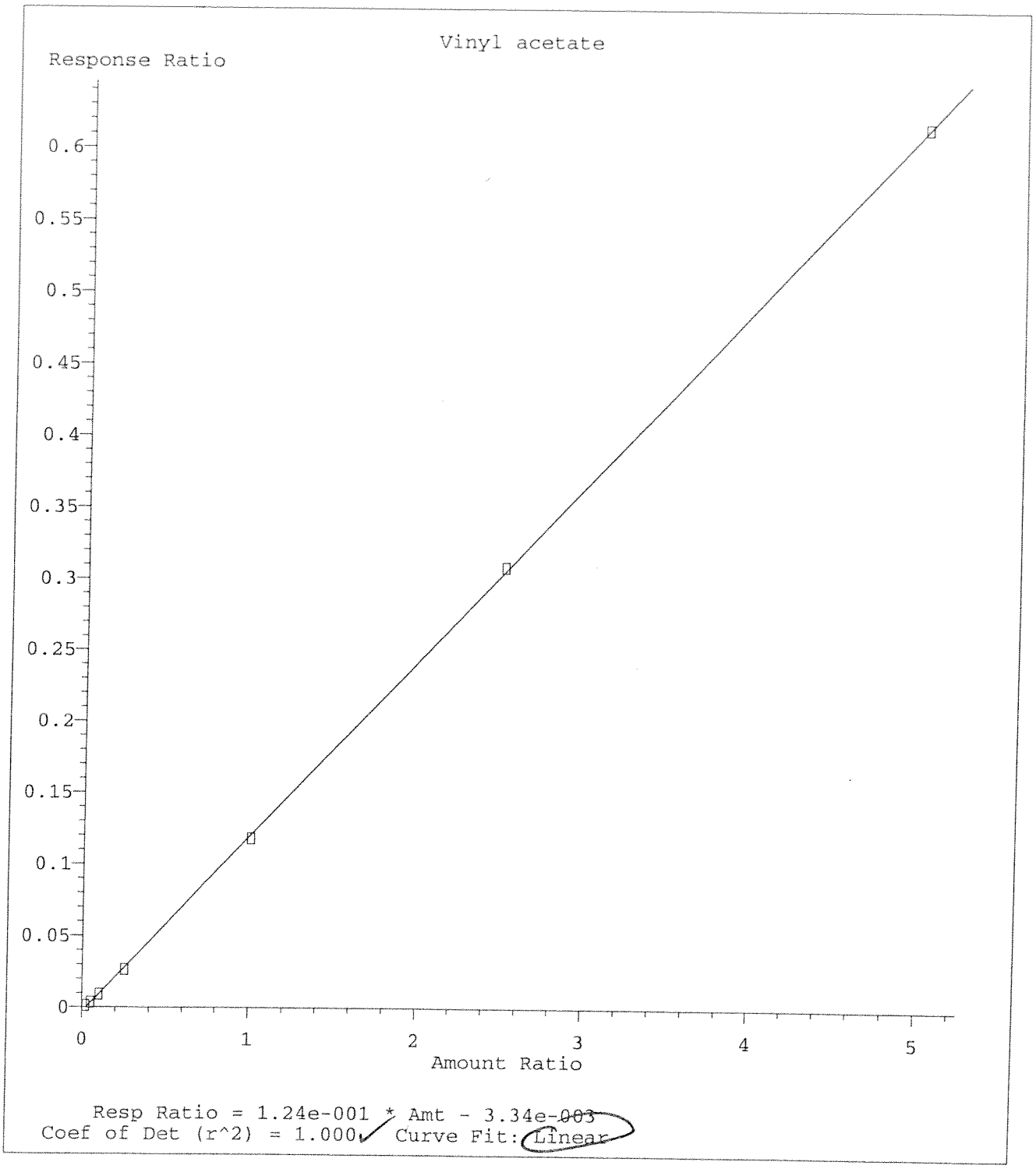
Method Name: C:\HPCHEM\1\METHODS\V810180B.M
Calibration Table Last Updated: Mon Oct 18 14:13:41 2010



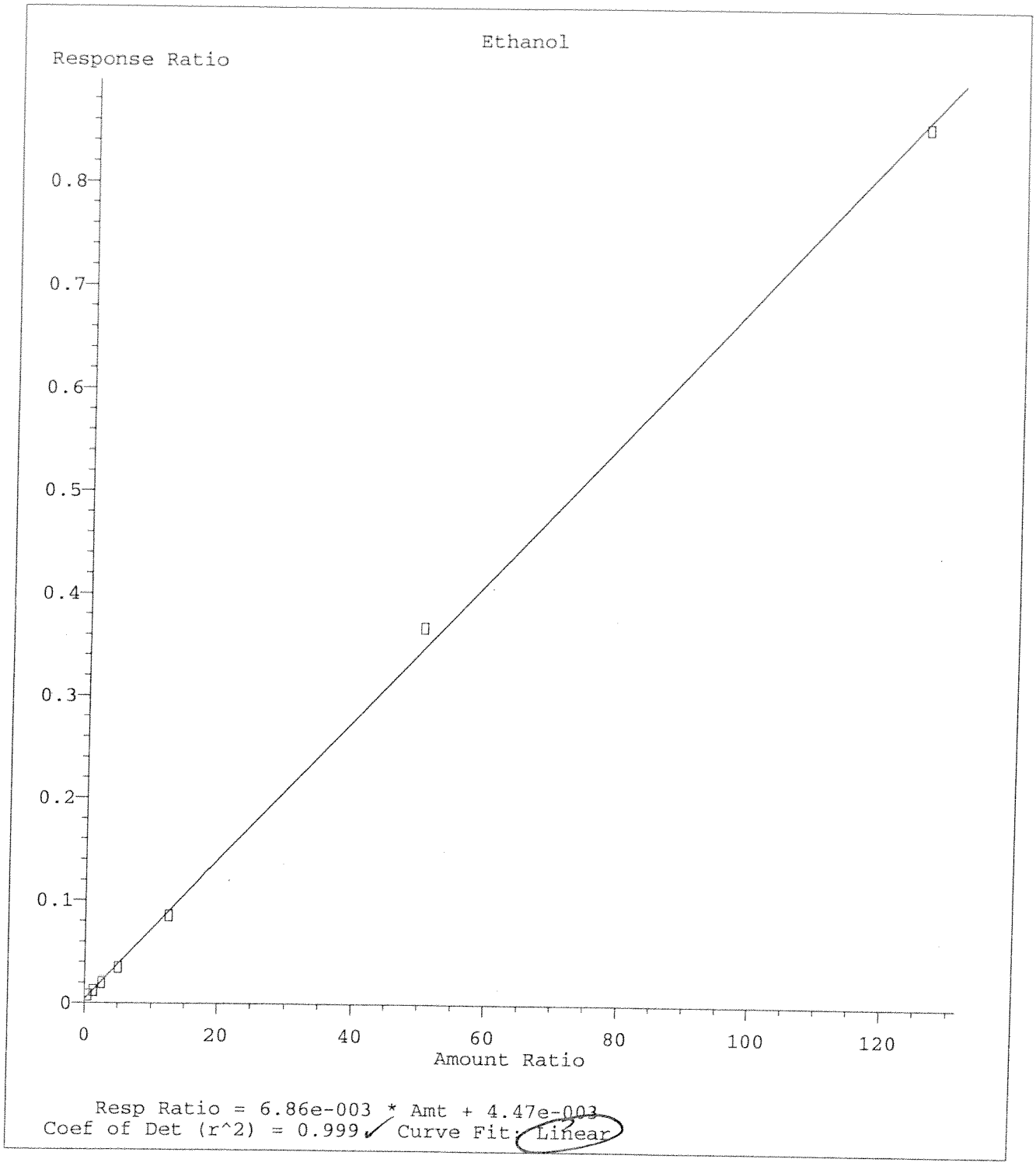
Method Name: C:\HPCHEM\1\METHODS\V810180B.M
Calibration Table Last Updated: Mon Oct 18 14:13:41 2010



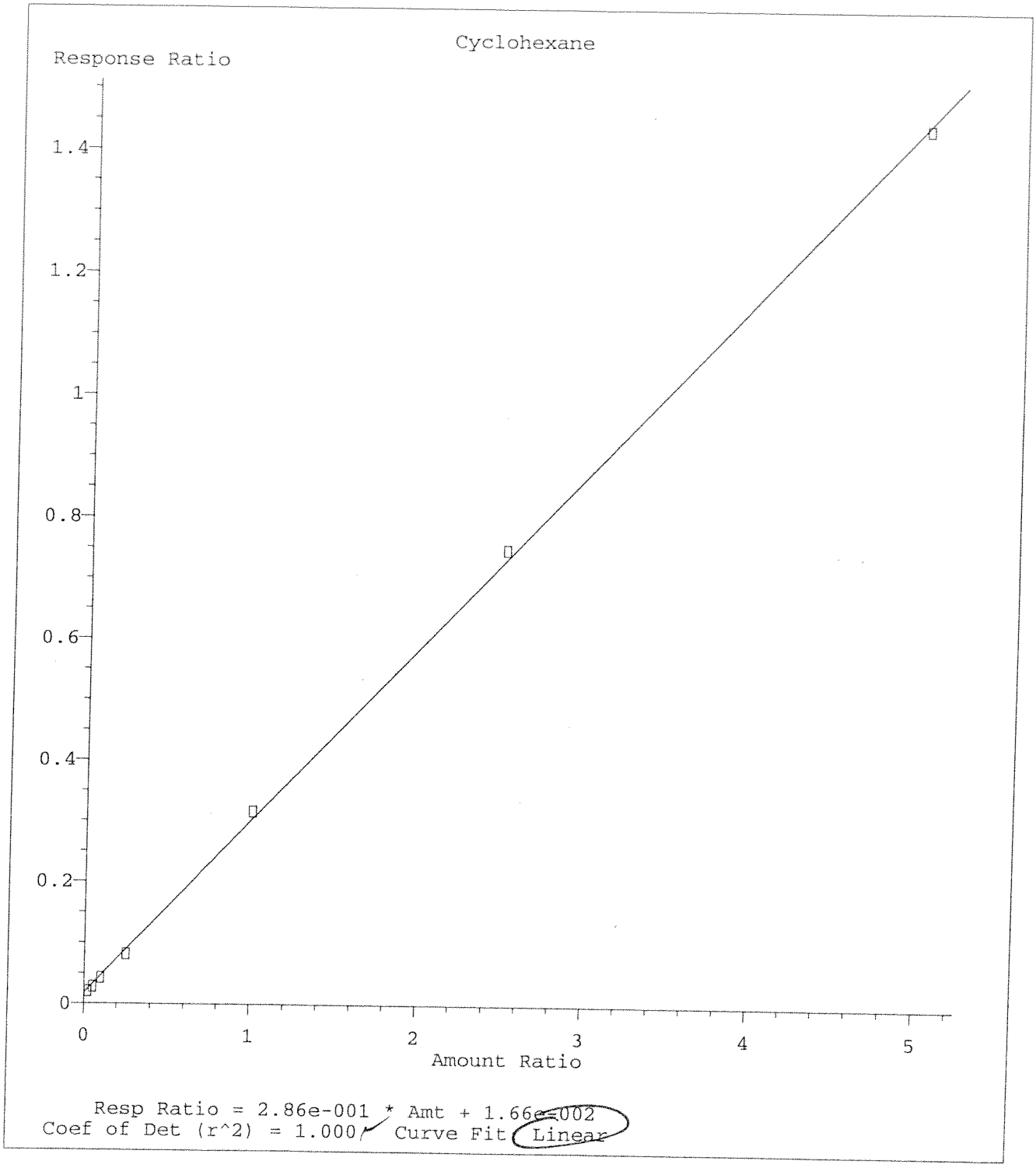
Method Name: C:\HPCHEM\1\METHODS\V810180B.M
Calibration Table Last Updated: Mon Oct 18 14:13:41 2010



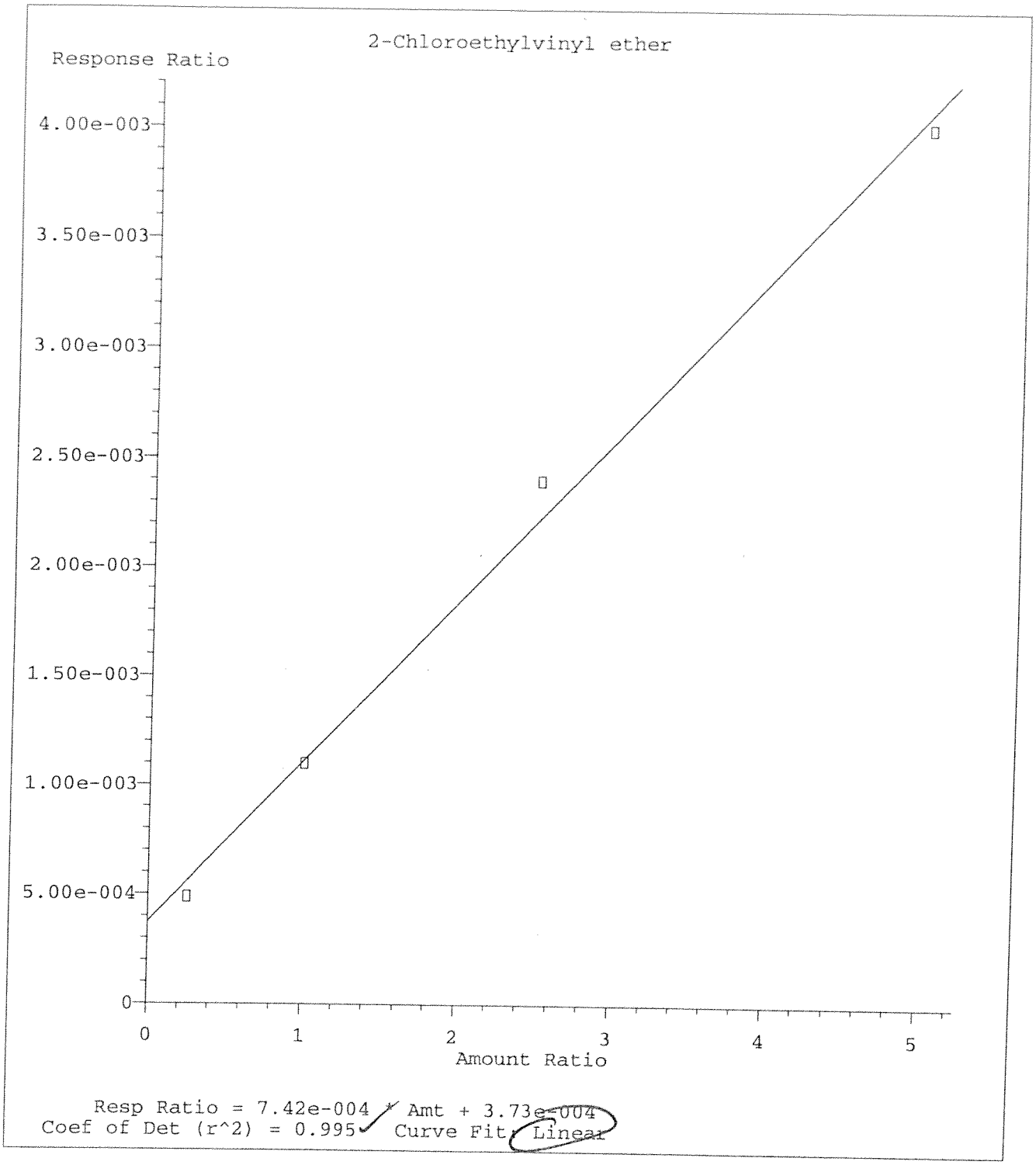
Method Name: C:\HPCHEM\1\METHODS\V810180B.M
Calibration Table Last Updated: Mon Oct 18 14:13:41 2010



Method Name: C:\HPCHEM\1\METHODS\V810180B.M
Calibration Table Last Updated: Mon Oct 18 14:13:41 2010



Method Name: C:\HPCHEM\1\METHODS\V810180B.M
Calibration Table Last Updated: Mon Oct 18 14:13:41 2010



Method Name: C:\HPCHEM\1\METHODS\V810180B.M
Calibration Table Last Updated: Mon Oct 18 14:13:41 2010

Data File : C:\HPCHEM\1\DATA\101810-B\B74534SI.D Vial: 3
Acq On : 18 Oct 2010 10:14 am Operator: TD
Sample : 0.2 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

TD 10/19/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.77	168	137196	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.78	114	347899	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.83	117	294422	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.19	152	104347	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	8.15	65	114519	21.24 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 106.20%		
36) d4-1,2-Dichloroethane	8.15	65	114519	21.24 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 106.20%		
54) d8-Toluene	10.81	98	401921	20.00 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 100.00%		
73) Bromofluorobenzene	14.51	95	161482	20.22 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 101.10%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.97	85	1470	0.34 ug/L	88
3) Chloromethane	2.20	50	2271	0.43 ug/L	95
4) Vinyl Chloride	2.35	62	1435	0.38 ug/L #	77
5) Bromomethane	2.80	94	1097	Below Cal	96
6) Chloroethane	2.96	64	605	0.17 ug/L #	46
7) t-Butyl alcohol (TBA)	5.28	59	859	1.84 ug/L #	75
8) Trichlorofluoromethane	3.34	101	1421	0.30 ug/L	85
9) Diethyl ether	3.84	74	334	0.16 ug/L #	26
10) 1,1,2-Trichlorotrifluoroet	4.21	101	764	0.20 ug/L #	78
11) Acrolein	4.05	56	801	1.19 ug/L	98
12) Acetone	4.32	43	3441	Below Cal #	87
13) 1,1-Dichloroethene	4.18	96	970	0.25 ug/L	86
14) Methyl iodide	4.42	142	1726	1.05 ug/L #	89
15) Di-isopropyl ether (DIPE)	6.25	45	3954	0.23 ug/L	98
16) Methylene Chloride	5.01	84	3228	Below Cal	95
17) Carbon Disulfide	4.51	76	3274	0.27 ug/L	97
18) Acrylonitrile	5.43	53	311	0.16 ug/L #	76
19) Methyl-tert-butyl ether (M	5.48	73	2531	0.22 ug/L #	62
20) trans-1,2-Dichloroethene	5.45	96	1155	0.23 ug/L	87
21) 1,1-Dichloroethane	6.11	63	1770	0.25 ug/L	85
23) Methyl ethyl ketone	7.02	43	3441	1.23 ug/L #	93
24) Ethyl t-butyl ether (ETBE)	6.80	59	2792	0.22 ug/L	95
25) 2,2-Dichloropropane	6.97	77	1493	0.28 ug/L	89
26) cis-1,2-Dichloroethene	6.98	96	1431	0.26 ug/L	89
27) t-Amyl methyl ether (TAME)	8.41	73	2638	0.22 ug/L #	81
29) Chloroform	7.46	83	2072	0.23 ug/L	95
30) Bromochloromethane	7.33	128	404	0.18 ug/L #	84
32) 1,1,1-Trichloroethane	7.70	97	1538	0.24 ug/L	79
33) Ethanol	3.75	45	1054	27.15 ug/L #	79
34) 1,1-Dichloropropene	7.93	75	1209	0.22 ug/L	97
35) Carbon Tetrachloride	7.93	119	995	0.23 ug/L	92
37) 1,2-Dichloroethane	8.26	62	1311	0.24 ug/L	70
38) Benzene	8.23	78	4376	0.25 ug/L	98
40) Trichloroethene	9.13	95	1200	0.23 ug/L	92
41) 1,2-Dichloropropane	9.44	63	1031	0.24 ug/L	86
42) Methylmethacrylate	9.63	69	777	0.26 ug/L	95
43) Methyl acetate	4.86	43	1454	0.32 ug/L #	64
44) Cyclohexane	7.77	56	5080	Below Cal #	29
45) Bromodichloromethane	9.82	83	1422	0.22 ug/L	85

VMT 10/19/10

(#) = qualifier out of range (m) = manual integration
B74534SI.D V810180B.M Tue Oct 19 07:40:41 2010

Data File : C:\HPCHEM\1\DATA\101810-B\B74534SI.D Vial: 3
Acq On : 18 Oct 2010 10:14 am Operator: TD
Sample : 0.2 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

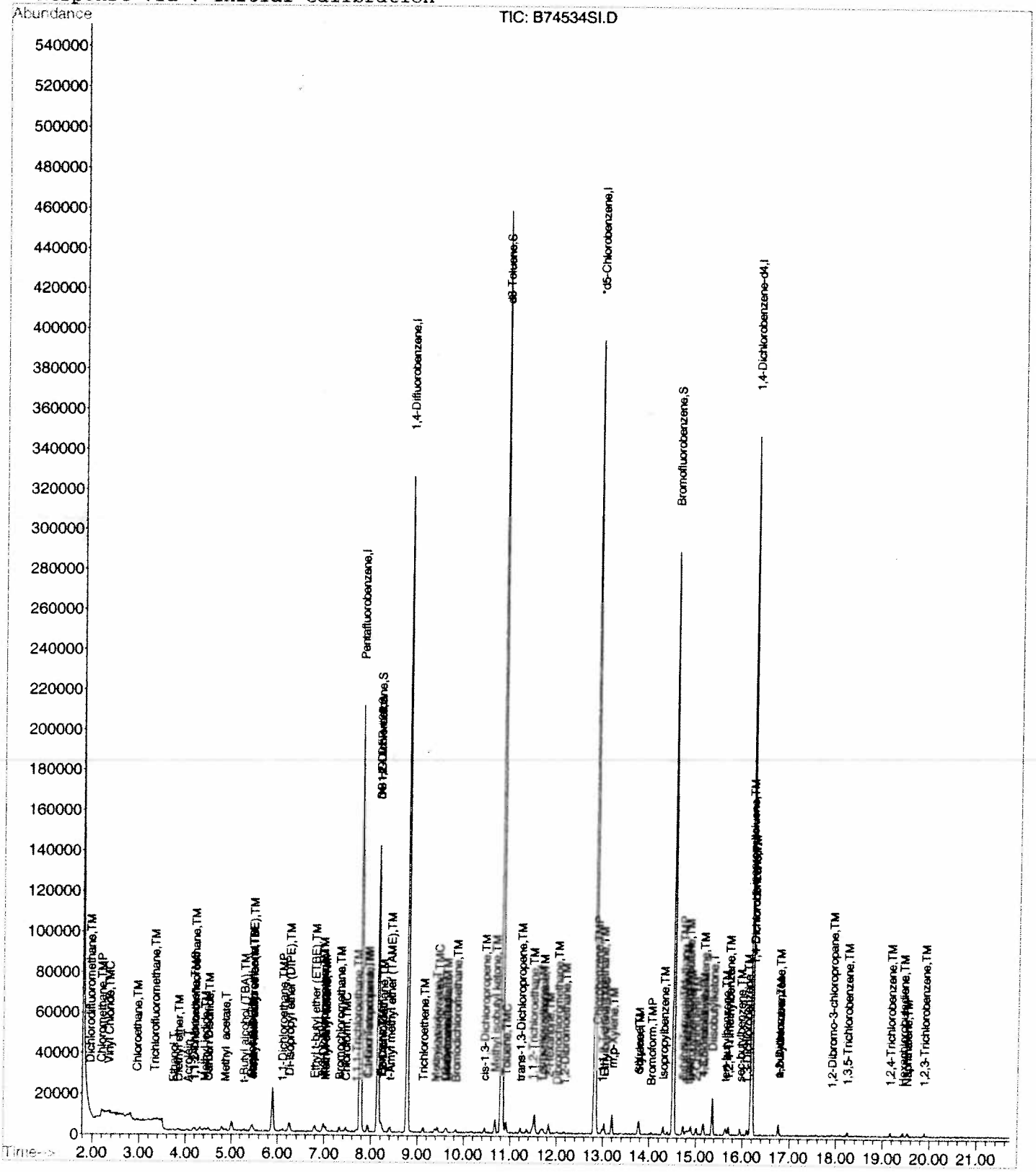
Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46)	Dibromomethane	9.60	93	819	0.19 ug/L	91
47)	1,4-Dioxane	9.65	88	409	5.76 ug/L #	47
48)	Methylcyclohexane	9.39	83	957	0.21 ug/L #	82
51)	2-Hexanone	11.84	58	1934	1.08 ug/L	85
52)	Methyl isobutyl ketone	10.67	58	2066	1.12 ug/L #	67
53)	cis-1,3-Dichloropropene	10.46	75	1563	0.23 ug/L	96
55)	Toluene	10.90	92	2656	0.24 ug/L	91
56)	trans-1,3-Dichloropropene	11.22	75	1388	0.22 ug/L	89
58)	1,1,2-Trichloroethane	11.47	83	759	0.18 ug/L	97
59)	1,3-Dichloropropane	11.71	76	1786	0.25 ug/L	91
60)	Tetrachloroethene	11.67	166	657	0.22 ug/L	91
61)	Dibromochloromethane	12.01	129	792	0.19 ug/L	92
62)	1,2-Dibromoethane	12.17	107	1037	0.19 ug/L	85
64)	Chlorobenzene	12.87	112	3019	0.24 ug/L	96
65)	1,1,1,2-Tetrachloroethane	12.98	131	603	0.20 ug/L #	82
66)	Ethylbenzene	13.03	91	4838	0.25 ug/L	97
67)	m,p-Xylene	13.20	106	3327	0.50 ug/L	100
68)	o-Xylene	13.76	106	1574	0.23 ug/L	97
69)	Styrene	13.78	104	2449	0.21 ug/L	89
70)	Bromoform	14.04	173	479	0.20 ug/L #	29
71)	Isopropylbenzene	14.30	105	3705	0.25 ug/L	89
72)	1,1,2,2-Tetrachloroethane	14.73	83	1388	0.20 ug/L	97
74)	1,2,3-Trichloropropane	14.80	75	1515	0.24 ug/L	93
75)	trans-1,4-Dichloro-2-buten	14.83	89	332	0.28 ug/L #	1
76)	n-Propylbenzene	14.89	91	4728	0.25 ug/L	97
77)	Bromobenzene	14.74	156	850	0.24 ug/L #	73
78)	1,3,5-Trimethylbenzene	15.15	105	2767	0.24 ug/L	91
79)	2-Chlorotoluene	15.01	91	3552	0.29 ug/L	99
80)	4-Chlorotoluene	15.17	91	3637	0.25 ug/L	100
81)	tert-butylbenzene	15.63	119	2418	0.23 ug/L	92
82)	1,2,4-Trimethylbenzene	15.70	105	3199	0.25 ug/L	90
83)	Diisobutylketone	15.36	57	9906	1.06 ug/L	91
84)	sec-butylbenzene	15.95	105	3195	0.25 ug/L	97
85)	p-isopropyltoluene	16.17	119	2236	0.25 ug/L	93
86)	1,3-Dichlorobenzene	16.10	146	1498	0.26 ug/L	89
88)	1,4-Dichlorobenzene	16.23	146	1505	0.24 ug/L	89
89)	n-butylbenzene	16.77	91	2812	0.28 ug/L	92
90)	1,2-Dichlorobenzene	16.78	146	1184	0.20 ug/L	96
92)	1,2-Dibromo-3-chloropropan	17.92	75	125	0.14 ug/L #	9
94)	1,2,4-Trichlorobenzene	19.16	180	918	0.31 ug/L	98
95)	Hexachlorobutadiene	19.43	225	418	0.43 ug/L	67
96)	Naphthalene	19.52	128	2247	0.22 ug/L	100
97)	1,2,3-Trichlorobenzene	19.89	180	634	0.23 ug/L	93
98)	1,3,5-Trichlorobenzene	18.25	180	808	0.27 ug/L	83

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\101810-B\B74534SI.D Vial: 3
Acq On : 18 Oct 2010 10:14 am Operator: TD
Sample : 0.2 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\101810-B\B74535SI.D Vial: 4
Acq On : 18 Oct 2010 10:43 am Operator: TD
Sample : 0.5 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

TM 10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.77	168	132390	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.79	114	335352	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.83	117	287864	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.19	152	100675	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB HOLDER #28	8.15	65	112393	21.60 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 108.00%		
36) d4-1,2-Dichloroethane	8.15	65	112393	21.60 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 108.00%		
54) d8-Toluene	10.81	98	394036	20.34 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 101.70%		
73) Bromofluorobenzene	14.51	95	157258	20.14 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 100.70%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.97	85	3431	0.82 ug/L	95
3) Chloromethane	2.20	50	4378	0.86 ug/L	95
4) Vinyl Chloride	2.36	62	2510	0.70 ug/L	85
5) Bromomethane	2.80	94	2508	0.40 ug/L	98
6) Chloroethane	2.96	64	1154	0.66 ug/L	85
7) t-Butyl alcohol (TBA)	5.27	59	1215	2.70 ug/L #	75
8) Trichlorofluoromethane	3.35	101	3251	0.71 ug/L	96
9) Diethyl ether	3.85	74	1104	0.55 ug/L	92
10) 1,1,2-Trichlorotrifluoroet	4.22	101	1947	0.52 ug/L	93
11) Acrolein	4.04	56	1500	2.31 ug/L	99
12) Acetone	4.32	43	5544	Below Cal	92
13) 1,1-Dichloroethene	4.18	96	1829	0.49 ug/L	96
14) Methyl iodide	4.42	142	3316	1.42 ug/L	94
15) Di-isopropyl ether (DIPE)	6.25	45	8603	0.53 ug/L	97
16) Methylene Chloride	5.01	84	4645	Below Cal	86
17) Carbon Disulfide	4.50	76	6629	0.57 ug/L #	93
18) Acrylonitrile	5.44	53	724	0.40 ug/L #	67
19) Methyl-tert-butyl ether (M	5.47	73	5890	0.53 ug/L #	86
20) trans-1,2-Dichloroethene	5.45	96	2466	0.52 ug/L	98
21) 1,1-Dichloroethane	6.11	63	3582	0.53 ug/L	86
22) Vinyl acetate	6.23	86	133	0.68 ug/L #	1
23) Methyl ethyl ketone	7.03	43	6569	2.44 ug/L #	95
24) Ethyl t-butyl ether (ETBE)	6.80	59	6109	0.50 ug/L	93
25) 2,2-Dichloropropane	6.97	77	2789	0.53 ug/L	86
26) cis-1,2-Dichloroethene	6.98	96	2636	0.49 ug/L	89
27) t-Amyl methyl ether (TAME)	8.41	73	5704	0.50 ug/L #	88
29) Chloroform	7.46	83	4063	0.47 ug/L	95
30) Bromochloromethane	7.32	128	994	0.45 ug/L #	89
31) Tetrahydrofuran	7.39	71	214	0.40 ug/L #	28
32) 1,1,1-Trichloroethane	7.69	97	3140	0.51 ug/L	97
33) Ethanol	3.73	45	1589	38.22 ug/L #	88
34) 1,1-Dichloropropene	7.94	75	2901	0.54 ug/L	91
35) Carbon Tetrachloride	7.93	119	1961	0.47 ug/L	95
37) 1,2-Dichloroethane	8.26	62	2979	0.56 ug/L	99
38) Benzene	8.23	78	8200	0.48 ug/L	98
40) Trichloroethene	9.12	95	2431	0.48 ug/L #	70
41) 1,2-Dichloropropane	9.44	63	2028	0.48 ug/L	86
42) Methylmethacrylate	9.64	69	1378	0.48 ug/L	87
43) Methyl acetate	4.87	43	2208	0.50 ug/L #	92

MTT 10/19/10

(#) = qualifier out of range (m) = manual integration
B74535SI.D V810180B.M Tue Oct 19 07:40:43 2010

Data File : C:\HPCHEM\1\DATA\101810-B\B74535SI.D Vial: 4
Acq On : 18 Oct 2010 10:43 am Operator: TD
Sample : 0.5 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

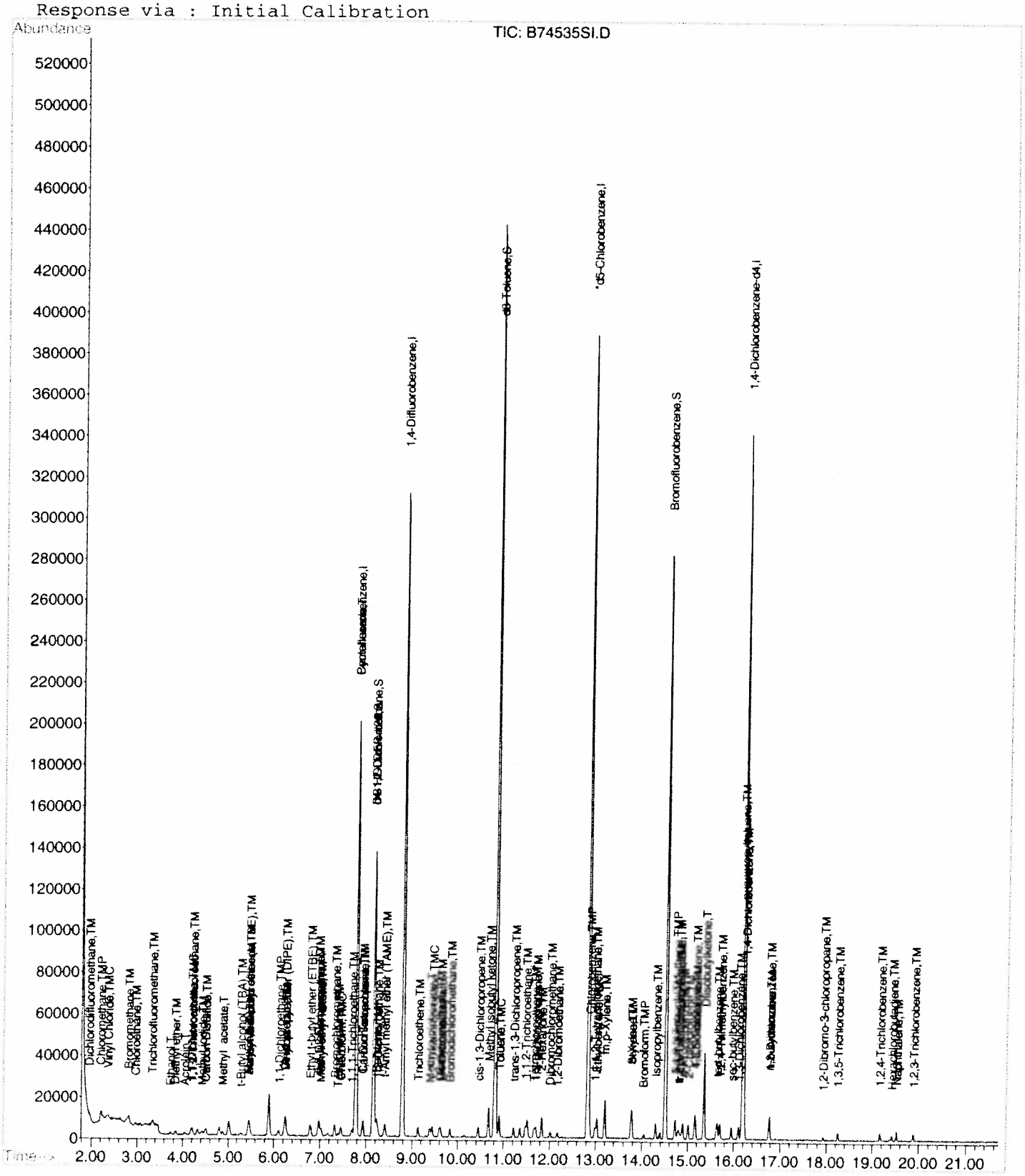
Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	Cyclohexane	7.77	56	6700	0.12 ug/L #	47
45)	Bromodichloromethane	9.82	83	3164	0.50 ug/L	91
46)	Dibromomethane	9.60	93	2057	0.49 ug/L	94
47)	1,4-Dioxane	9.65	88	696	10.17 ug/L	98
48)	Methylcyclohexane	9.39	83	2106	0.47 ug/L	93
51)	2-Hexanone	11.83	58	4025	2.34 ug/L	92
52)	Methyl isobutyl ketone	10.67	58	4345	2.44 ug/L #	72
53)	cis-1,3-Dichloropropene	10.45	75	3213	0.48 ug/L	99
55)	Toluene	10.91	92	5240	0.50 ug/L	97
56)	trans-1,3-Dichloropropene	11.21	75	3109	0.50 ug/L	94
58)	1,1,2-Trichloroethane	11.48	83	2035	0.51 ug/L	91
59)	1,3-Dichloropropane	11.70	76	3358	0.49 ug/L	93
60)	Tetrachloroethene	11.66	166	1369	0.48 ug/L	93
61)	Dibromochloromethane	12.02	129	1792	0.45 ug/L	96
62)	1,2-Dibromoethane	12.17	107	2547	0.47 ug/L	97
64)	Chlorobenzene	12.87	112	5904	0.48 ug/L	97
65)	1,1,1,2-Tetrachloroethane	12.99	131	1361	0.46 ug/L	90
66)	Ethylbenzene	13.03	91	9328	0.48 ug/L	88
67)	m,p-Xylene	13.20	106	6549	1.01 ug/L	100
68)	o-Xylene	13.77	106	3568	0.54 ug/L #	79
69)	Styrene	13.79	104	5377	0.47 ug/L	94
70)	Bromoform	14.04	173	1043	0.44 ug/L	96
71)	Isopropylbenzene	14.30	105	6950	0.47 ug/L	97
72)	1,1,2,2-Tetrachloroethane	14.73	83	3272	0.49 ug/L	89
74)	1,2,3-Trichloropropane	14.79	75	3111	0.49 ug/L	96
75)	trans-1,4-Dichloro-2-buten	14.81	89	493	0.43 ug/L #	58
76)	n-Propylbenzene	14.89	91	8856	0.48 ug/L	99
77)	Bromobenzene	14.73	156	1692	0.48 ug/L #	79
78)	1,3,5-Trimethylbenzene	15.15	105	5317	0.46 ug/L	95
79)	2-Chlorotoluene	15.01	91	5712	0.48 ug/L	95
80)	4-Chlorotoluene	15.17	91	7011	0.49 ug/L	96
81)	tert-butylbenzene	15.63	119	4864	0.48 ug/L	99
82)	1,2,4-Trimethylbenzene	15.70	105	6111	0.49 ug/L	92
83)	Diisobutylketone	15.36	57	22475	2.45 ug/L	94
84)	sec-butylbenzene	15.95	105	6276	0.49 ug/L	94
85)	p-isopropyltoluene	16.16	119	4183	0.48 ug/L	89
86)	1,3-Dichlorobenzene	16.11	146	2760	0.49 ug/L	94
88)	1,4-Dichlorobenzene	16.23	146	3088	0.51 ug/L	90
89)	n-butylbenzene	16.77	91	4915	0.52 ug/L	99
90)	1,2-Dichlorobenzene	16.79	146	2613	0.47 ug/L	93
92)	1,2-Dibromo-3-chloropropan	17.93	75	398	0.46 ug/L #	85
94)	1,2,4-Trichlorobenzene	19.16	180	1488	0.51 ug/L	96
95)	Hexachlorobutadiene	19.43	225	551	0.59 ug/L #	46
96)	Naphthalene	19.53	128	4212	0.42 ug/L	100
97)	1,2,3-Trichlorobenzene	19.88	180	1283	0.49 ug/L	90
98)	1,3,5-Trichlorobenzene	18.25	180	1522	0.54 ug/L	93

(#) = qualifier out of range (m) = manual integration
B74535SI.D V810180B.M Tue Oct 19 07:40:43 2010

Data File : C:\HPCHEM\1\DATA\101810-B\B74535SI.D Vial: 4
Acq On : 18 Oct 2010 10:43 am Operator: TD
Sample : 0.5 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\101810-B\B74536SI.D Vial: 5
Acq On : 18 Oct 2010 11:13 am Operator: TD
Sample : 1.0 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

10/19/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.78	168	131110	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.78	114	334161	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.83	117	280453	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.20	152	99182	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	8.15	65	113204	21.97 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 109.85%		
36) d4-1,2-Dichloroethane	8.15	65	113204	21.97 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 109.85%		
54) d8-Toluene	10.81	98	390472	20.23 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 101.15%		
73) Bromofluorobenzene	14.51	95	156188	20.53 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 102.65%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.97	85	6727	1.61 ug/L	100
3) Chloromethane	2.21	50	8039	1.59 ug/L	97
4) Vinyl Chloride	2.35	62	5380	1.51 ug/L	97
5) Bromomethane	2.82	94	4496	2.53 ug/L	88
6) Chloroethane	2.96	64	2154	1.54 ug/L	70
7) t-Butyl alcohol (TBA)	5.28	59	2269	5.09 ug/L #	75
8) Trichlorofluoromethane	3.34	101	6092	1.35 ug/L	99
9) Diethyl ether	3.83	74	1964	0.99 ug/L	94
10) 1,1,2-Trichlorotrifluoroet	4.22	101	3696	0.99 ug/L	96
11) Acrolein	4.04	56	2993	4.65 ug/L	99
12) Acetone	4.32	43	8687	Below Cal	98
13) 1,1-Dichloroethene	4.19	96	4056	1.09 ug/L	84
14) Methyl iodide	4.41	142	6015	2.03 ug/L	97
15) Di-isopropyl ether (DIPE)	6.26	45	16799	1.04 ug/L	99
16) Methylene Chloride	5.02	84	7540	Below Cal	98
17) Carbon Disulfide	4.50	76	12193	1.06 ug/L	99
18) Acrylonitrile	5.42	53	1817	1.01 ug/L	97
19) Methyl-tert-butyl ether (M	5.47	73	11288	1.02 ug/L	92
20) trans-1,2-Dichloroethene	5.45	96	4784	1.01 ug/L	91
21) 1,1-Dichloroethane	6.10	63	6944	1.03 ug/L	96
22) Vinyl acetate	6.23	86	462	1.08 ug/L #	1
23) Methyl ethyl ketone	7.03	43	12649	4.75 ug/L #	96
24) Ethyl t-butyl ether (ETBE)	6.80	59	12016	1.00 ug/L	98
25) 2,2-Dichloropropane	6.97	77	5635	1.09 ug/L	98
26) cis-1,2-Dichloroethene	6.98	96	5184	0.97 ug/L	92
27) t-Amyl methyl ether (TAME)	8.41	73	11395	1.01 ug/L	97
29) Chloroform	7.46	83	8350	0.98 ug/L	94
30) Bromochloromethane	7.32	128	2083	0.95 ug/L	94
31) Tetrahydrofuran	7.39	71	366	0.70 ug/L #	27
32) 1,1,1-Trichloroethane	7.70	97	6133	1.00 ug/L	94
33) Ethanol	3.71	45	2575	57.80 ug/L #	94
34) 1,1-Dichloropropene	7.93	75	5521	1.04 ug/L	96
35) Carbon Tetrachloride	7.92	119	3815	0.93 ug/L	84
37) 1,2-Dichloroethane	8.26	62	5461	1.04 ug/L	96
38) Benzene	8.22	78	16528	0.98 ug/L	100
40) Trichloroethene	9.13	95	5093	1.00 ug/L	88
41) 1,2-Dichloropropane	9.44	63	3945	0.94 ug/L	95
42) Methylmethacrylate	9.63	69	2732	0.95 ug/L	84
43) Methyl acetate	4.89	43	4849	1.10 ug/L #	93

VMI 10/19/10

(#) = qualifier out of range (m) = manual integration
B74536SI.D V810180B.M Tue Oct 19 07:40:44 2010

Data File : C:\HPCHEM\1\DATA\101810-B\B74536SI.D Vial: 5
Acq On : 18 Oct 2010 11:13 am Operator: TD
Sample : 1.0 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

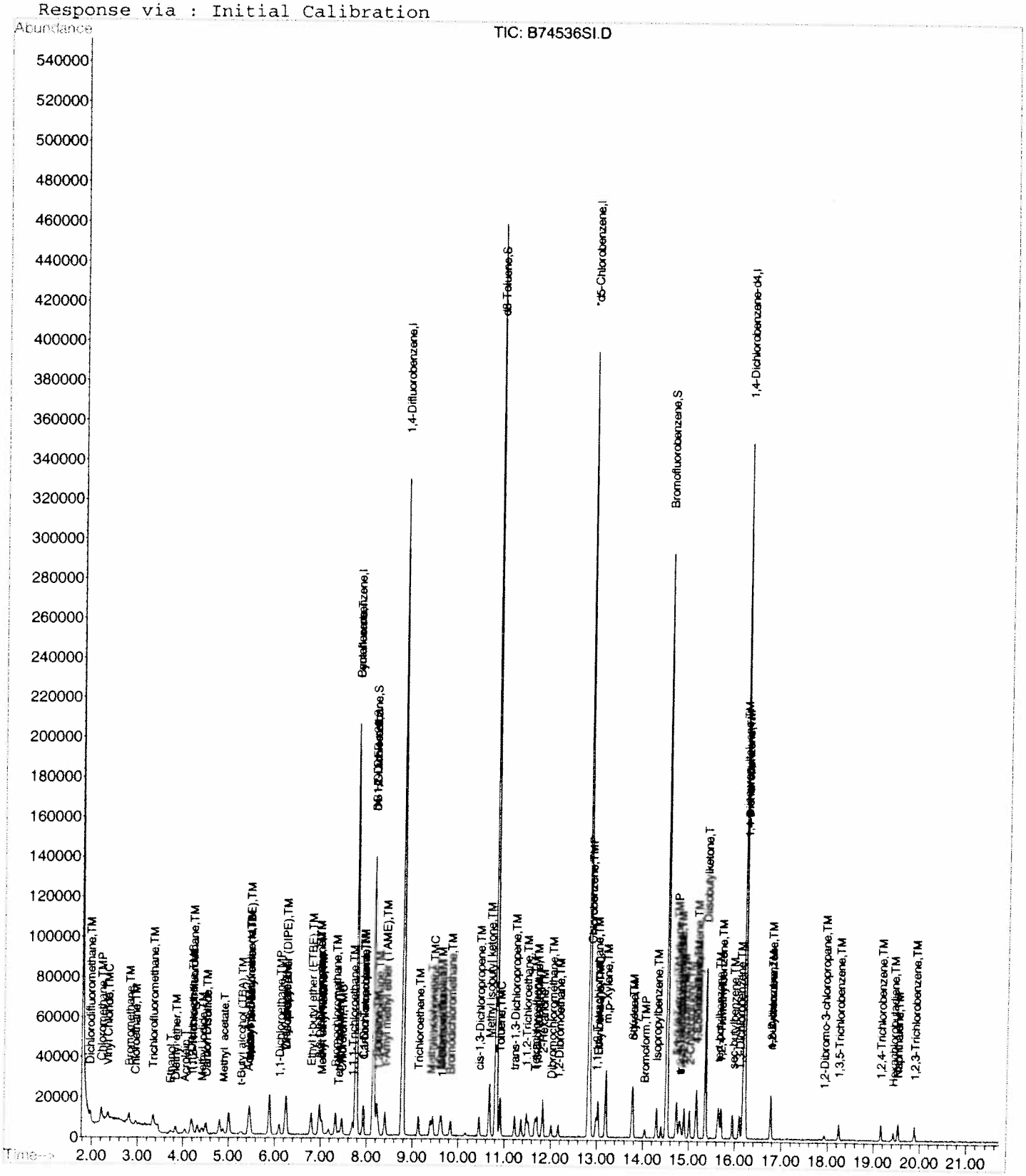
Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	Cyclohexane	7.77	56	9064	0.64 ug/L #	69
45)	Bromodichloromethane	9.83	83	6340	1.00 ug/L	93
46)	Dibromomethane	9.60	93	3908	0.93 ug/L	97
47)	1,4-Dioxane	9.65	88	1562	22.91 ug/L	94
48)	Methylcyclohexane	9.39	83	4092	0.93 ug/L	94
51)	2-Hexanone	11.83	58	7653	4.47 ug/L	89
52)	Methyl isobutyl ketone	10.68	58	7972	4.50 ug/L #	70
53)	cis-1,3-Dichloropropene	10.45	75	6170	0.92 ug/L	98
55)	Toluene	10.90	92	9892	0.95 ug/L	91
56)	trans-1,3-Dichloropropene	11.22	75	6000	0.97 ug/L	98
58)	1,1,2-Trichloroethane	11.47	83	4085	1.03 ug/L	89
59)	1,3-Dichloropropane	11.70	76	6582	0.97 ug/L	88
60)	Tetrachloroethene	11.66	166	2666	0.94 ug/L	96
61)	Dibromochloromethane	12.02	129	3676	0.92 ug/L	89
62)	1,2-Dibromoethane	12.17	107	4900	0.91 ug/L	97
64)	Chlorobenzene	12.87	112	11116	0.93 ug/L	94
65)	1,1,1,2-Tetrachloroethane	12.99	131	2808	0.97 ug/L	86
66)	Ethylbenzene	13.02	91	17531	0.93 ug/L	97
67)	m,p-Xylene	13.20	106	12494	1.98 ug/L	93
68)	o-Xylene	13.76	106	6128	0.94 ug/L	100
69)	Styrene	13.78	104	10622	0.95 ug/L	97
70)	Bromoform	14.04	173	2003	0.87 ug/L	99
71)	Isopropylbenzene	14.30	105	13461	0.94 ug/L	100
72)	1,1,2,2-Tetrachloroethane	14.73	83	6081	0.93 ug/L	100
74)	1,2,3-Trichloropropane	14.80	75	5874	0.96 ug/L	91
75)	trans-1,4-Dichloro-2-buten	14.82	89	1031	0.92 ug/L	85
76)	n-Propylbenzene	14.90	91	16837	0.94 ug/L	97
77)	Bromobenzene	14.73	156	3399	0.99 ug/L	97
78)	1,3,5-Trimethylbenzene	15.15	105	10489	0.94 ug/L	99
79)	2-Chlorotoluene	15.01	91	11326	0.98 ug/L	99
80)	4-Chlorotoluene	15.17	91	13347	0.96 ug/L	99
81)	tert-butylbenzene	15.63	119	9385	0.95 ug/L	87
82)	1,2,4-Trimethylbenzene	15.70	105	11297	0.93 ug/L	97
83)	Diisobutylketone	15.36	57	44499	4.98 ug/L	93
84)	sec-butylbenzene	15.95	105	11933	0.96 ug/L	94
85)	p-isopropyltoluene	16.17	119	7803	0.91 ug/L	95
86)	1,3-Dichlorobenzene	16.10	146	5330	0.96 ug/L	95
88)	1,4-Dichlorobenzene	16.23	146	5867	0.98 ug/L	92
89)	n-butylbenzene	16.77	91	8956	0.95 ug/L	91
90)	1,2-Dichlorobenzene	16.78	146	5456	0.99 ug/L	87
92)	1,2-Dibromo-3-chloropropan	17.93	75	872	1.03 ug/L	94
94)	1,2,4-Trichlorobenzene	19.17	180	2649	0.93 ug/L	98
95)	Hexachlorobutadiene	19.42	225	1027	1.11 ug/L	97
96)	Naphthalene	19.52	128	8337	0.84 ug/L	100
97)	1,2,3-Trichlorobenzene	19.89	180	2495	0.97 ug/L	96
98)	1,3,5-Trichlorobenzene	18.25	180	2797	1.00 ug/L	99

(#) = qualifier out of range (m) = manual integration
B74536SI.D V810180B.M Tue Oct 19 07:40:44 2010

Data File : C:\HPCHEM\1\DATA\101810-B\B74536SI.D Vial: 5
Acq On : 18 Oct 2010 11:13 am Operator: TD
Sample : 1.0 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\101810-B\B74537SI.D
Acq On : 18 Oct 2010 11:42 am
Sample : 2.0 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010

Vial: 6
Operator: TD
Inst : Instrumen
Multiplr: 1.00

Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

TD 10/19/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.77	168	135359	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.79	114	337618	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.83	117	284557	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.20	152	100151	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	8.15	65	114971	21.61 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 108.05%		
36) d4-1,2-Dichloroethane	8.15	65	114971	21.61 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 108.05%		
54) d8-Toluene	10.82	98	403458	20.69 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 103.45%		
73) Bromofluorobenzene	14.51	95	156302	20.25 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 101.25%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.96	85	13798	3.21 ug/L	92
3) Chloromethane	2.20	50	14678	2.82 ug/L	97
4) Vinyl Chloride	2.35	62	9875	2.68 ug/L	98
5) Bromomethane	2.80	94	9542	7.54 ug/L	93
6) Chloroethane	2.95	64	4134	3.16 ug/L	95
7) t-Butyl alcohol (TBA)	5.28	59	3971	8.63 ug/L #	91
8) Trichlorofluoromethane	3.33	101	11950	2.56 ug/L	96
9) Diethyl ether	3.84	74	4207	2.06 ug/L	96
10) 1,1,2-Trichlorotrifluoroet	4.21	101	8127	2.10 ug/L	96
11) Acrolein	4.03	56	6098	9.17 ug/L	95
12) Acetone	4.31	43	15564	4.55 ug/L	97
13) 1,1-Dichloroethene	4.18	96	7822	2.04 ug/L	98
14) Methyl iodide	4.42	142	11632	3.21 ug/L	99
15) Di-isopropyl ether (DIPE)	6.25	45	34718	2.08 ug/L	98
16) Methylene Chloride	5.00	84	12602	0.36 ug/L	97
17) Carbon Disulfide	4.50	76	24516	2.07 ug/L	98
18) Acrylonitrile	5.43	53	3499	1.88 ug/L #	94
19) Methyl-tert-butyl ether (M	5.46	73	22816	2.00 ug/L	96
20) trans-1,2-Dichloroethene	5.45	96	9620	1.97 ug/L	94
21) 1,1-Dichloroethane	6.11	63	14141	2.04 ug/L	99
22) Vinyl acetate	6.22	86	1237	1.97 ug/L #	32
23) Methyl ethyl ketone	7.02	43	25405	9.24 ug/L	98
24) Ethyl t-butyl ether (ETBE)	6.80	59	25034	2.01 ug/L	99
25) 2,2-Dichloropropane	6.96	77	11200	2.10 ug/L	90
26) cis-1,2-Dichloroethene	6.97	96	10822	1.96 ug/L	98
27) t-Amyl methyl ether (TAME)	8.40	73	23484	2.02 ug/L	97
29) Chloroform	7.46	83	17346	1.98 ug/L	94
30) Bromochloromethane	7.32	128	4381	1.93 ug/L	92
31) Tetrahydrofuran	7.39	71	923	1.70 ug/L #	75
32) 1,1,1-Trichloroethane	7.69	97	12356	1.96 ug/L	93
33) Ethanol	3.73	45	4684	96.16 ug/L #	86
34) 1,1-Dichloropropene	7.93	75	11373	2.07 ug/L	97
35) Carbon Tetrachloride	7.93	119	8477	2.01 ug/L	100
37) 1,2-Dichloroethane	8.26	62	11508	2.12 ug/L	100
38) Benzene	8.22	78	33353	1.93 ug/L	99
40) Trichloroethene	9.13	95	10060	1.96 ug/L	99
41) 1,2-Dichloropropane	9.44	63	8454	1.99 ug/L	96
42) Methylmethacrylate	9.63	69	5578	1.91 ug/L	95
43) Methyl acetate	4.88	43	9181	2.07 ug/L	94

VMT 10/19/10

(#) = qualifier out of range (m) = manual integration
B74537SI.D V810180B.M Tue Oct 19 07:40:46 2010

Data File : C:\HPCHEM\1\DATA\101810-B\B74537SI.D
Acq On : 18 Oct 2010 11:42 am
Sample : 2.0 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010

Vial: 6
Operator: TD
Inst : Instrumen
Multiplr: 1.00

Quant Results File: V810180B.RES

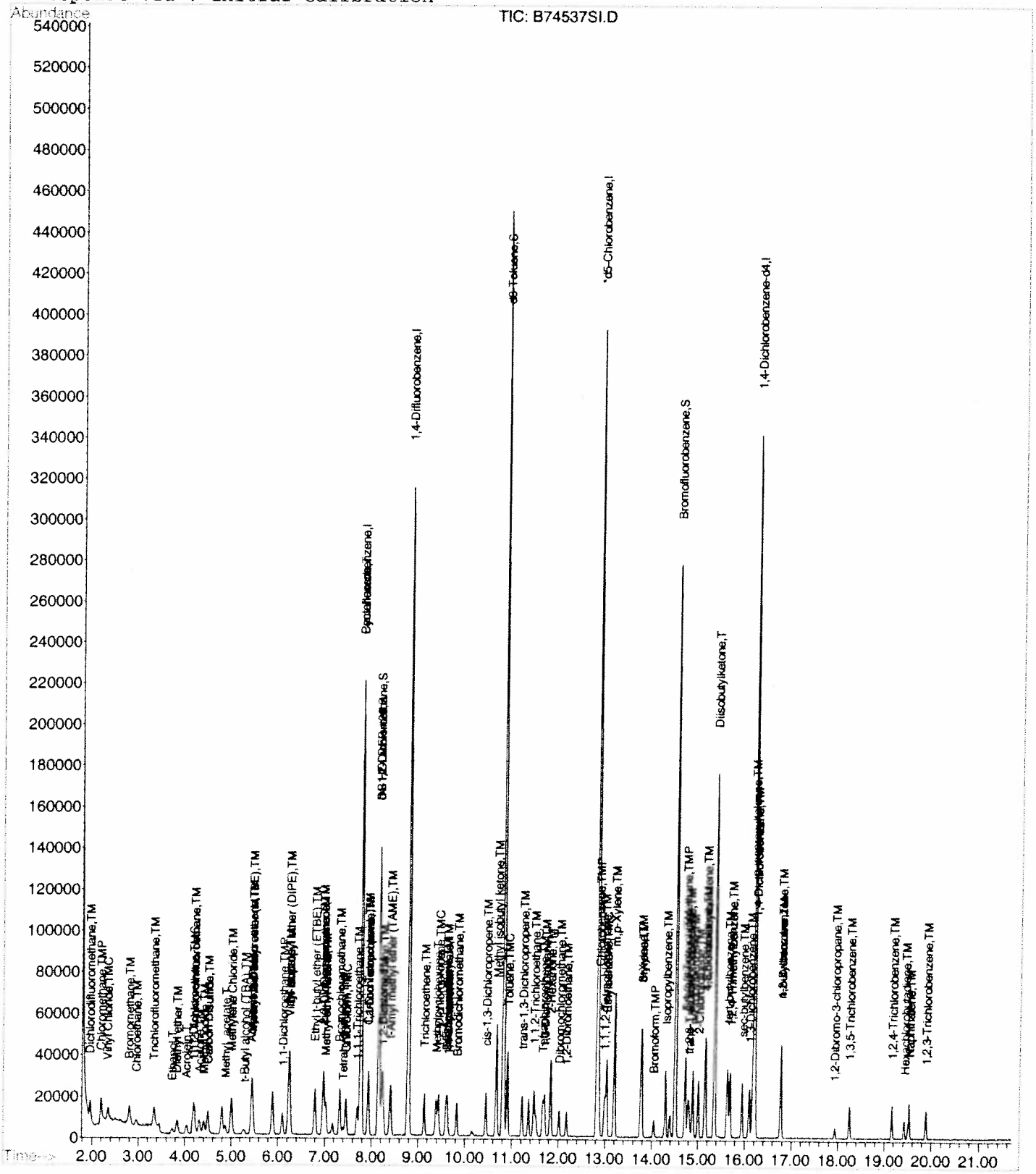
Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	Cyclohexane	7.77	56	14325	1.75 ug/L #	81
45)	Bromodichloromethane	9.83	83	13129	2.06 ug/L	99
46)	Dibromomethane	9.60	93	8505	2.01 ug/L	97
47)	1,4-Dioxane	9.65	88	2858	41.49 ug/L	92
48)	Methylcyclohexane	9.39	83	9044	2.02 ug/L	99
51)	2-Hexanone	11.84	58	15782	9.12 ug/L	96
52)	Methyl isobutyl ketone	10.67	58	16555	9.25 ug/L #	71
53)	cis-1,3-Dichloropropene	10.44	75	13594	2.02 ug/L	93
55)	Toluene	10.91	92	20361	1.93 ug/L	99
56)	trans-1,3-Dichloropropene	11.22	75	12611	2.02 ug/L	93
58)	1,1,2-Trichloroethane	11.47	83	7884	1.96 ug/L	99
59)	1,3-Dichloropropane	11.71	76	13473	1.96 ug/L	98
60)	Tetrachloroethene	11.67	166	5697	1.99 ug/L	94
61)	Dibromochloromethane	12.02	129	7969	1.97 ug/L	94
62)	1,2-Dibromoethane	12.17	107	10645	1.96 ug/L	99
64)	Chlorobenzene	12.87	112	23364	1.94 ug/L	99
65)	1,1,1,2-Tetrachloroethane	12.99	131	5573	1.89 ug/L	97
66)	Ethylbenzene	13.03	91	36450	1.92 ug/L	100
67)	m,p-Xylene	13.20	106	25077	3.92 ug/L	98
68)	o-Xylene	13.76	106	12661	1.92 ug/L	99
69)	Styrene	13.79	104	21219	1.88 ug/L	99
70)	Bromoform	14.04	173	4139	1.78 ug/L	92
71)	Isopropylbenzene	14.30	105	28081	1.92 ug/L	99
72)	1,1,2,2-Tetrachloroethane	14.73	83	12852	1.93 ug/L	97
74)	1,2,3-Trichloropropane	14.79	75	11504	1.85 ug/L	99
75)	trans-1,4-Dichloro-2-buten	14.81	89	1913	1.69 ug/L #	75
76)	n-Propylbenzene	14.89	91	34573	1.90 ug/L	97
77)	Bromobenzene	14.72	156	6994	2.01 ug/L	96
78)	1,3,5-Trimethylbenzene	15.16	105	21275	1.87 ug/L	96
79)	2-Chlorotoluene	15.01	91	23251	1.99 ug/L	98
80)	4-Chlorotoluene	15.17	91	27105	1.93 ug/L	97
81)	tert-butylbenzene	15.63	119	18639	1.87 ug/L	92
82)	1,2,4-Trimethylbenzene	15.70	105	23183	1.88 ug/L	97
83)	Diisobutylketone	15.36	57	95917	10.57 ug/L	93
84)	sec-butylbenzene	15.95	105	24095	1.92 ug/L	100
85)	p-isopropyltoluene	16.16	119	17252	1.99 ug/L	100
86)	1,3-Dichlorobenzene	16.11	146	10597	1.89 ug/L	96
88)	1,4-Dichlorobenzene	16.23	146	11417	1.89 ug/L	97
89)	n-butylbenzene	16.77	91	18470	1.95 ug/L	100
90)	1,2-Dichlorobenzene	16.78	146	10454	1.87 ug/L	99
92)	1,2-Dibromo-3-chloropropan	17.93	75	1707	2.00 ug/L	87
94)	1,2,4-Trichlorobenzene	19.16	180	4992	1.73 ug/L	96
95)	Hexachlorobutadiene	19.43	225	1858	1.99 ug/L	100
96)	Naphthalene	19.53	128	15976	1.60 ug/L	100
97)	1,2,3-Trichlorobenzene	19.89	180	4553	1.75 ug/L	92
98)	1,3,5-Trichlorobenzene	18.24	180	5307	1.88 ug/L	96

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\101810-B\B74537SI.D Vial: 6
Acq On : 18 Oct 2010 11:42 am Operator: TD
Sample : 2.0 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\101810-B\B74538SI.D Vial: 7
Acq On : 18 Oct 2010 12:11 pm Operator: TD
Sample : 5.0 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

JM 10/19/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.77	168	132091	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.78	114	334108	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.83	117	278967	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.20	152	95780	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB HOLDER #28	8.15	65	113686	21.90 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 109.50%		
36) d4-1,2-Dichloroethane	8.15	65	113686	21.90 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 109.50%		
54) d8-Toluene	10.81	98	388706	20.14 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 100.70%		
73) Bromofluorobenzene	14.52	95	153892	20.34 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 101.70%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.97	85	31867	7.59 ug/L	98
3) Chloromethane	2.20	50	34747	6.83 ug/L	98
4) Vinyl Chloride	2.35	62	23201	6.46 ug/L	97
5) Bromomethane	2.80	94	18587	17.28 ug/L	93
6) Chloroethane	2.95	64	8709	7.21 ug/L	99
7) t-Butyl alcohol (TBA)	5.29	59	10589	23.58 ug/L	99
8) Trichlorofluoromethane	3.33	101	28841	6.34 ug/L	98
9) Diethyl ether	3.84	74	9764	4.89 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	4.21	101	17600	4.67 ug/L	98
11) Acrolein	4.04	56	14641	22.57 ug/L	99
12) Acetone	4.31	43	37713	22.65 ug/L	95
13) 1,1-Dichloroethene	4.18	96	18145	4.84 ug/L	98
14) Methyl iodide	4.42	142	27533	6.81 ug/L	98
15) Di-isopropyl ether (DIPE)	6.25	45	80393	4.93 ug/L	98
16) Methylene Chloride	5.01	84	26545	3.28 ug/L	92
17) Carbon Disulfide	4.50	76	56562	4.90 ug/L	99
18) Acrylonitrile	5.43	53	8290	4.55 ug/L	96
19) Methyl-tert-butyl ether (M	5.46	73	53855	4.83 ug/L	98
20) trans-1,2-Dichloroethene	5.45	96	21845	4.59 ug/L	96
21) 1,1-Dichloroethane	6.11	63	32493	4.80 ug/L	99
22) Vinyl acetate	6.22	86	3479	4.69 ug/L	75
23) Methyl ethyl ketone	7.02	43	63142	23.53 ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.80	59	60390	4.97 ug/L	99
25) 2,2-Dichloropropane	6.96	77	26572	5.11 ug/L	95
26) cis-1,2-Dichloroethene	6.97	96	25153	4.67 ug/L	99
27) t-Amyl methyl ether (TAME)	8.40	73	54484	4.80 ug/L	96
29) Chloroform	7.46	83	40369	4.72 ug/L	98
30) Bromochloromethane	7.32	128	10152	4.58 ug/L #	91
31) Tetrahydrofuran	7.40	71	2396	4.53 ug/L	81
32) 1,1,1-Trichloroethane	7.69	97	29309	4.75 ug/L	97
33) Ethanol	3.73	45	11226	225.30 ug/L #	92
34) 1,1-Dichloropropene	7.93	75	25655	4.79 ug/L	95
35) Carbon Tetrachloride	7.93	119	19597	4.75 ug/L	94
37) 1,2-Dichloroethane	8.26	62	27187	5.12 ug/L	98
38) Benzene	8.23	78	77822	4.60 ug/L	99
40) Trichloroethene	9.13	95	22556	4.44 ug/L	98
41) 1,2-Dichloropropane	9.44	63	20542	4.90 ug/L	99
42) Methylmethacrylate	9.63	69	14128	4.89 ug/L	95
43) Methyl acetate	4.87	43	22344	5.09 ug/L	100

VMT 10/19/10

(#) = qualifier out of range (m) = manual integration
B74538SI.D V810180B.M Tue Oct 19 07:40:47 2010

Data File : C:\HPCHEM\1\DATA\101810-B\B74538SI.D Vial: 7
Acq On : 18 Oct 2010 12:11 pm Operator: TD
Sample : 5.0 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

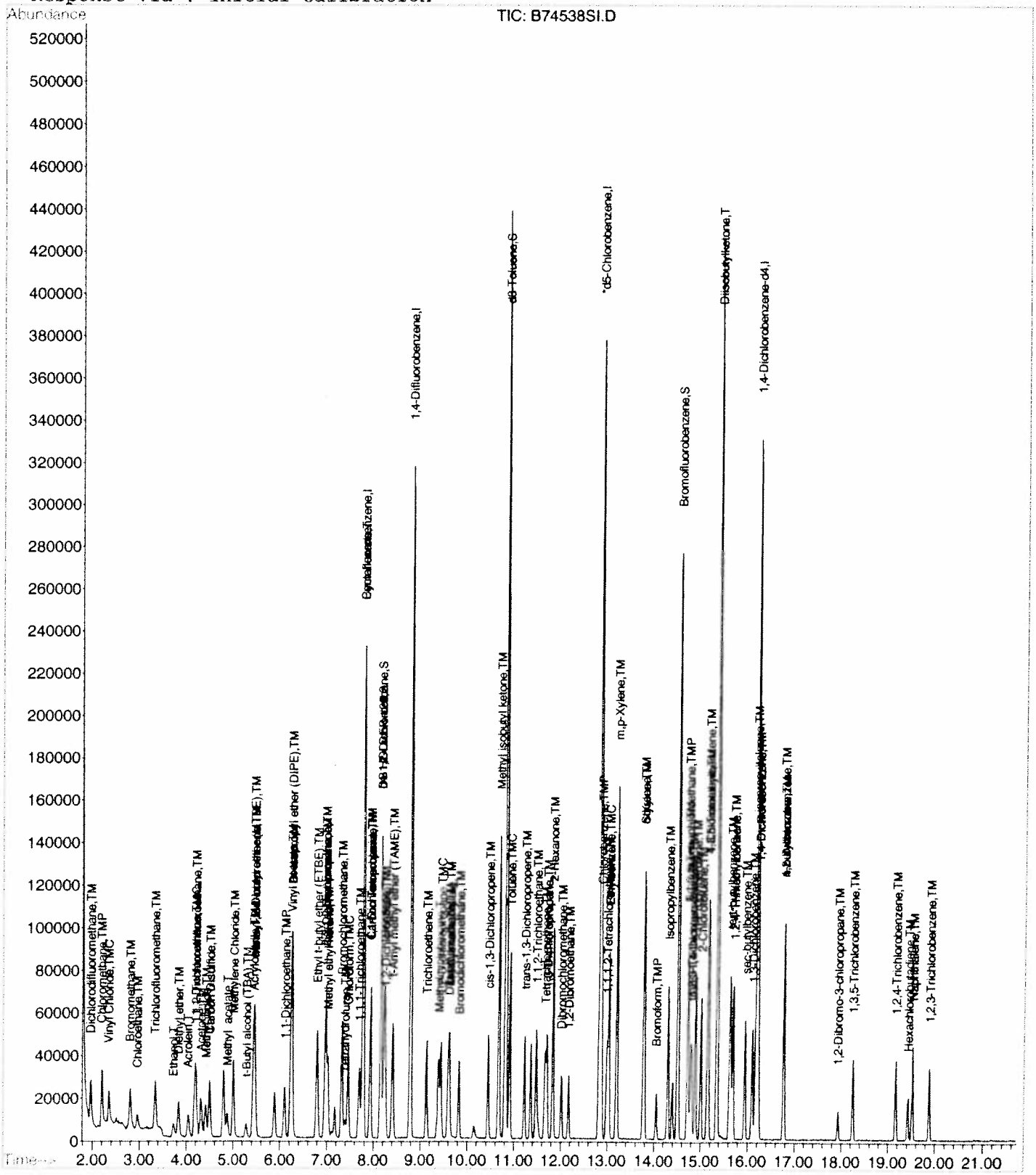
Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	Cyclohexane	7.76	56	26927	4.51 ug/L	92
45)	Bromodichloromethane	9.83	83	30237	4.79 ug/L	98
46)	Dibromomethane	9.60	93	19767	4.71 ug/L	97
47)	1,4-Dioxane	9.64	88	7957	116.74 ug/L	99
48)	Methylcyclohexane	9.39	83	19598	4.43 ug/L	97
51)	2-Hexanone	11.83	58	41963	24.50 ug/L	95
52)	Methyl isobutyl ketone	10.67	58	42480	23.98 ug/L	99
53)	cis-1,3-Dichloropropene	10.44	75	31641	4.74 ug/L	98
55)	Toluene	10.91	92	47510	4.55 ug/L	96
56)	trans-1,3-Dichloropropene	11.22	75	29438	4.77 ug/L	99
58)	1,1,2-Trichloroethane	11.47	83	19472	4.90 ug/L	98
59)	1,3-Dichloropropane	11.71	76	32911	4.83 ug/L	95
60)	Tetrachloroethene	11.67	166	12940	4.58 ug/L	97
61)	Dibromochloromethane	12.01	129	18364	4.59 ug/L	97
62)	1,2-Dibromoethane	12.17	107	25772	4.79 ug/L	97
64)	Chlorobenzene	12.87	112	53954	4.56 ug/L	98
65)	1,1,1,2-Tetrachloroethane	12.99	131	12905	4.46 ug/L	98
66)	Ethylbenzene	13.03	91	83821	4.49 ug/L	98
67)	m,p-Xylene	13.20	106	60535	9.66 ug/L	97
68)	o-Xylene	13.76	106	29160	4.51 ug/L	98
69)	Styrene	13.78	104	51305	4.63 ug/L	91
70)	Bromoform	14.04	173	10920	4.80 ug/L	98
71)	Isopropylbenzene	14.30	105	64597	4.51 ug/L	98
72)	1,1,2,2-Tetrachloroethane	14.73	83	31146	4.78 ug/L	98
74)	1,2,3-Trichloropropane	14.79	75	28350	4.65 ug/L	100
75)	trans-1,4-Dichloro-2-buten	14.81	89	5400	4.87 ug/L	98
76)	n-Propylbenzene	14.89	91	82135	4.59 ug/L	99
77)	Bromobenzene	14.72	156	15372	4.51 ug/L	91
78)	1,3,5-Trimethylbenzene	15.15	105	50928	4.58 ug/L	99
79)	2-Chlorotoluene	15.01	91	53674	4.69 ug/L	99
80)	4-Chlorotoluene	15.17	91	62849	4.57 ug/L	99
81)	tert-butylbenzene	15.63	119	43629	4.45 ug/L	96
82)	1,2,4-Trimethylbenzene	15.70	105	55060	4.57 ug/L	97
83)	Diisobutylketone	15.36	57	230156	25.87 ug/L	93
84)	sec-butylbenzene	15.95	105	55703	4.52 ug/L	98
85)	p-isopropyltoluene	16.16	119	38253	4.50 ug/L	98
86)	1,3-Dichlorobenzene	16.11	146	24028	4.36 ug/L	98
88)	1,4-Dichlorobenzene	16.23	146	25978	4.51 ug/L	99
89)	n-butylbenzene	16.77	91	42992	4.74 ug/L	100
90)	1,2-Dichlorobenzene	16.79	146	23856	4.47 ug/L	98
92)	1,2-Dibromo-3-chloropropan	17.93	75	4386	5.37 ug/L	87
94)	1,2,4-Trichlorobenzene	19.16	180	12227	4.43 ug/L	100
95)	Hexachlorobutadiene	19.43	225	4102	4.60 ug/L	96
96)	Naphthalene	19.53	128	41373	4.34 ug/L	100
97)	1,2,3-Trichlorobenzene	19.88	180	11705	4.70 ug/L	89
98)	1,3,5-Trichlorobenzene	18.25	180	12377	4.58 ug/L	94

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\101810-B\B74538SI.D Vial: 7
Acq On : 18 Oct 2010 12:11 pm Operator: TD
Sample : 5.0 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\101810-B\B74539SI.D
Acq On : 18 Oct 2010 12:26 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010

Vial: 8
Operator: TD
Inst : Instrumen
Multiplr: 1.00

Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

TD 10/19/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.77	168	131562	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.78	114	332486	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.83	117	280619	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.19	152	100516	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB HOLDER #28	8.15	65	110328	21.34 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 106.70%		
36) d4-1,2-Dichloroethane	8.15	65	110328	21.34 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 106.70%		
54) d8-Toluene	10.81	98	390926	20.36 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 101.80%		
73) Bromofluorobenzene	14.51	95	156188	20.52 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 102.60%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.97	85	137925	32.97 ug/L	100
3) Chloromethane	2.20	50	145116	28.64 ug/L	97
4) Vinyl Chloride	2.35	62	98185	27.46 ug/L	99
5) Bromomethane	2.78	94	34576	34.20 ug/L	99
6) Chloroethane	2.94	64	32707	28.12 ug/L	99
7) t-Butyl alcohol (TBA)	5.28	59	43589	97.47 ug/L	100
8) Trichlorofluoromethane	3.33	101	121586	26.82 ug/L	99
9) Diethyl ether	3.83	74	41978	21.11 ug/L	96
10) 1,1,2-Trichlorotrifluoroet	4.20	101	78382	20.87 ug/L	99
11) Acrolein	4.04	56	61940	95.86 ug/L	98
12) Acetone	4.31	43	146825	110.82 ug/L	97
13) 1,1-Dichloroethene	4.17	96	78652	21.09 ug/L	99
14) Methyl iodide	4.41	142	116252	26.65 ug/L	99
15) Di-isopropyl ether (DIPE)	6.25	45	344697	21.24 ug/L	99
16) Methylene Chloride	5.00	84	108536	20.17 ug/L	98
17) Carbon Disulfide	4.50	76	248170	21.59 ug/L	99
18) Acrylonitrile	5.42	53	36710	20.25 ug/L	100
19) Methyl-tert-butyl ether (M	5.47	73	232778	20.95 ug/L	99
20) trans-1,2-Dichloroethene	5.45	96	95934	20.26 ug/L	97
21) 1,1-Dichloroethane	6.10	63	139303	20.65 ug/L	98
22) Vinyl acetate	6.23	86	15512	19.19 ug/L	69
23) Methyl ethyl ketone	7.02	43	268003	100.29 ug/L	98
24) Ethyl t-butyl ether (ETBE)	6.80	59	259070	21.41 ug/L	99
25) 2,2-Dichloropropane	6.96	77	110582	21.33 ug/L	98
26) cis-1,2-Dichloroethene	6.97	96	107253	19.99 ug/L	96
27) t-Amyl methyl ether (TAME)	8.40	73	239061	21.17 ug/L	97
29) Chloroform	7.46	83	175652	20.64 ug/L	99
30) Bromochloromethane	7.32	128	45571	20.65 ug/L	96
31) Tetrahydrofuran	7.39	71	10306	19.58 ug/L	94
32) 1,1,1-Trichloroethane	7.69	97	128861	20.98 ug/L	96
33) Ethanol	3.74	45	48334	949.15 ug/L #	83
34) 1,1-Dichloropropene	7.93	75	114781	21.50 ug/L	98
35) Carbon Tetrachloride	7.93	119	87619	21.34 ug/L	99
37) 1,2-Dichloroethane	8.26	62	113990	21.56 ug/L	99
38) Benzene	8.22	78	332953	19.77 ug/L	99
40) Trichloroethene	9.13	95	99301	19.62 ug/L	98
41) 1,2-Dichloropropane	9.44	63	84759	20.31 ug/L	100
42) Methylmethacrylate	9.63	69	59720	20.77 ug/L	94
43) Methyl acetate	4.87	43	93797	21.48 ug/L	99

VMT 10/19/10

(#) = qualifier out of range (m) = manual integration
B74539SI.D V810180B.M Tue Oct 19 07:40:49 2010

Data File : C:\HPCHEM\1\DATA\101810-B\B74539SI.D
Acq On : 18 Oct 2010 12:26 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010

Vial: 8
Operator: TD
Inst : Instrumen
Multiplr: 1.00

Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) Cyclohexane	7.76	56	104745	21.49 ug/L	98
45) Bromodichloromethane	9.82	83	132021	21.03 ug/L	100
46) Dibromomethane	9.60	93	86243	20.65 ug/L	100
47) 1,4-Dioxane	9.64	88	33264	490.41 ug/L	99
48) Methylcyclohexane	9.39	83	88133	20.04 ug/L	99
50) 2-Chloroethylvinyl ether	10.25	63	365	17.39 ug/L #	100
51) 2-Hexanone	11.83	58	176499	103.54 ug/L	95
52) Methyl isobutyl ketone	10.67	58	181566	102.98 ug/L	99
53) cis-1,3-Dichloropropene	10.45	75	140170	21.12 ug/L	98
55) Toluene	10.91	92	207174	19.95 ug/L	100
56) trans-1,3-Dichloropropene	11.21	75	132752	21.61 ug/L	96
58) 1,1,2-Trichloroethane	11.47	83	82094	20.78 ug/L	98
59) 1,3-Dichloropropane	11.71	76	143289	21.12 ug/L	99
60) Tetrachloroethene	11.67	166	58035	20.63 ug/L	95
61) Dibromochloromethane	12.01	129	83401	20.96 ug/L	99
62) 1,2-Dibromoethane	12.17	107	111792	20.88 ug/L	98
64) Chlorobenzene	12.87	112	231868	19.49 ug/L	98
65) 1,1,1,2-Tetrachloroethane	12.99	131	58654	20.16 ug/L	99
66) Ethylbenzene	13.03	91	372675	19.86 ug/L	98
67) m,p-Xylene	13.20	106	257826	40.90 ug/L	99
68) o-Xylene	13.76	106	130557	20.09 ug/L	95
69) Styrene	13.78	104	234358	21.02 ug/L	93
70) Bromoform	14.05	173	49510	21.61 ug/L	98
71) Isopropylbenzene	14.30	105	288299	20.02 ug/L	100
72) 1,1,2,2-Tetrachloroethane	14.74	83	131867	20.12 ug/L	97
74) 1,2,3-Trichloropropane	14.79	75	125655	20.48 ug/L	98
75) trans-1,4-Dichloro-2-buten	14.81	89	24614	22.06 ug/L	97
76) n-Propylbenzene	14.89	91	355401	19.76 ug/L	100
77) Bromobenzene	14.73	156	66355	19.35 ug/L	98
78) 1,3,5-Trimethylbenzene	15.15	105	219698	19.63 ug/L	100
79) 2-Chlorotoluene	15.01	91	231386	20.11 ug/L	98
80) 4-Chlorotoluene	15.17	91	268468	19.40 ug/L	99
81) tert-butylbenzene	15.63	119	197067	20.00 ug/L	99
82) 1,2,4-Trimethylbenzene	15.70	105	238463	19.65 ug/L	99
83) Diisobutylketone	15.36	57	1016858	113.63 ug/L	97
84) sec-butylbenzene	15.95	105	248613	20.07 ug/L	100
85) p-isopropyltoluene	16.17	119	176419	20.64 ug/L	99
86) 1,3-Dichlorobenzene	16.11	146	107917	19.48 ug/L	99
88) 1,4-Dichlorobenzene	16.23	146	112354	18.57 ug/L	98
89) n-butylbenzene	16.77	91	197642	20.74 ug/L	99
90) 1,2-Dichlorobenzene	16.78	146	106226	18.95 ug/L	98
92) 1,2-Dibromo-3-chloropropan	17.93	75	18100	21.12 ug/L	100
94) 1,2,4-Trichlorobenzene	19.16	180	54713	18.88 ug/L	96
95) Hexachlorobutadiene	19.43	225	17198	18.39 ug/L	100
96) Naphthalene	19.53	128	189742	18.97 ug/L	100
97) 1,2,3-Trichlorobenzene	19.88	180	49454	18.93 ug/L	99
98) 1,3,5-Trichlorobenzene	18.25	180	55628	19.63 ug/L	93

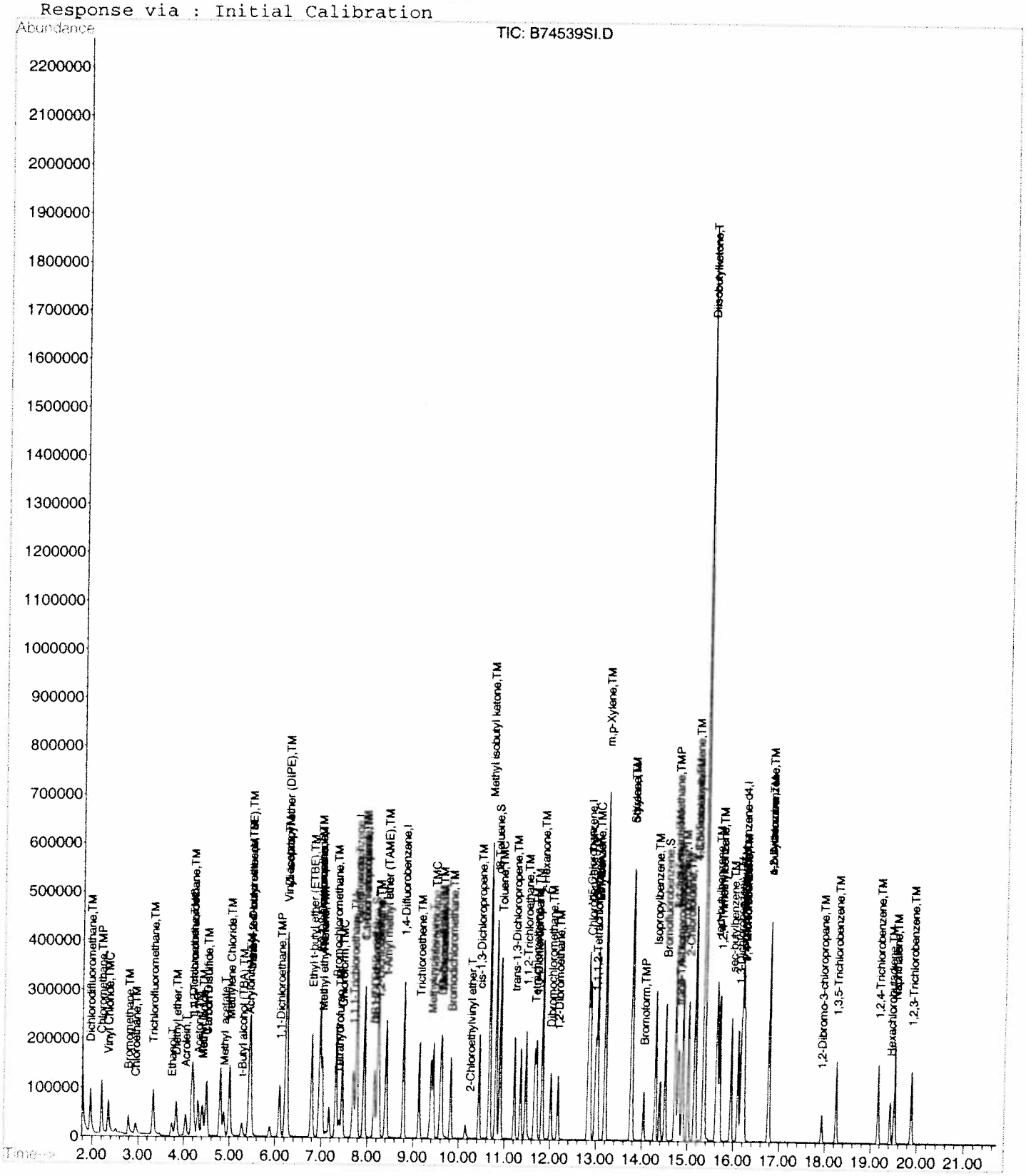
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\101810-B\B74539SI.D
Acq On : 18 Oct 2010 12:26 pm
Sample : 20 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010

Vial: 8
Operator: TD
Inst : Instrumen
Multiplr: 1.00

Quant Results File: V810180B.RES

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\101810-B\B74540SI.D
Acq On : 18 Oct 2010 12:55 pm
Sample : 50 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010

Vial: 9
Operator: TD
Inst : Instrumen
Multiplr: 1.00

Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

MD 10/19/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.78	168	136074	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.78	114	345740	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.82	117	298044	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.20	152	107752	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB HOLDER #28	8.15	65	111284	20.81 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 104.05%		
36) d4-1,2-Dichloroethane	8.15	65	111284	20.81 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 104.05%		
54) d8-Toluene	10.81	98	408949	20.48 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 102.40%		
73) Bromofluorobenzene	14.51	95	161566	19.98 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 99.90%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.96	85	357061	82.53 ug/L	98
3) Chloromethane	2.19	50	369115	70.42 ug/L	99
4) Vinyl Chloride	2.35	62	273598	73.98 ug/L	99
5) Bromomethane	2.77	94	76404	75.60 ug/L	98
6) Chloroethane	2.91	64	52038	43.43 ug/L	99
7) t-Butyl alcohol (TBA)	5.29	59	101022	218.40 ug/L	100
8) Trichlorofluoromethane	3.30	101	303466	64.73 ug/L	99
9) Diethyl ether	3.83	74	104509	50.82 ug/L	99
10) 1,1,2-Trichlorotrifluoroet	4.20	101	203023	52.26 ug/L	99
11) Acrolein	4.04	56	154548	231.24 ug/L	99
12) Acetone	4.31	43	347754	263.65 ug/L	98
13) 1,1-Dichloroethene	4.16	96	200632	52.00 ug/L	99
14) Methyl iodide	4.40	142	294884	64.37 ug/L	99
15) Di-isopropyl ether (DIPE)	6.25	45	840065	50.04 ug/L	100
16) Methylene Chloride	5.00	84	269975	51.53 ug/L	98
17) Carbon Disulfide	4.48	76	623053	52.42 ug/L	100
18) Acrylonitrile	5.42	53	88928	47.42 ug/L	100
19) Methyl-tert-butyl ether (M	5.47	73	581269	50.58 ug/L	100
20) trans-1,2-Dichloroethene	5.44	96	244807	49.98 ug/L	99
21) 1,1-Dichloroethane	6.10	63	355590	50.96 ug/L	99
22) Vinyl acetate	6.22	86	41974	49.37 ug/L	93
23) Methyl ethyl ketone	7.03	43	632103	228.70 ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.79	59	658123	52.57 ug/L	99
25) 2,2-Dichloropropane	6.96	77	279443	52.12 ug/L	97
26) cis-1,2-Dichloroethene	6.98	96	274202	49.41 ug/L	97
27) t-Amyl methyl ether (TAME)	8.41	73	594265	50.87 ug/L	98
29) Chloroform	7.45	83	440274	50.01 ug/L	100
30) Bromochloromethane	7.32	128	113486	49.72 ug/L	99
31) Tetrahydrofuran	7.39	71	24556	45.11 ug/L	95
32) 1,1,1-Trichloroethane	7.69	97	327088	51.49 ug/L	99
33) Ethanol	3.76	45	116328	2198.72 ug/L #	82
34) 1,1-Dichloropropene	7.93	75	285232	51.66 ug/L	99
35) Carbon Tetrachloride	7.92	119	229225	53.99 ug/L	96
37) 1,2-Dichloroethane	8.25	62	276713	50.60 ug/L	98
38) Benzene	8.22	78	846197	48.59 ug/L	99
40) Trichloroethene	9.13	95	257026	48.85 ug/L	93
41) 1,2-Dichloropropane	9.44	63	213174	49.12 ug/L	99
42) Methylmethacrylate	9.63	69	147987	49.49 ug/L	98
43) Methyl acetate	4.87	43	224832	49.50 ug/L	100

MTT 10/19/10

(#) = qualifier out of range (m) = manual integration
B74540SI.D V810180B.M Tue Oct 19 07:40:50 2010

Data File : C:\HPCHEM\1\DATA\101810-B\B74540SI.D Vial: 9
Acq On : 18 Oct 2010 12:55 pm Operator: TD
Sample : 50 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

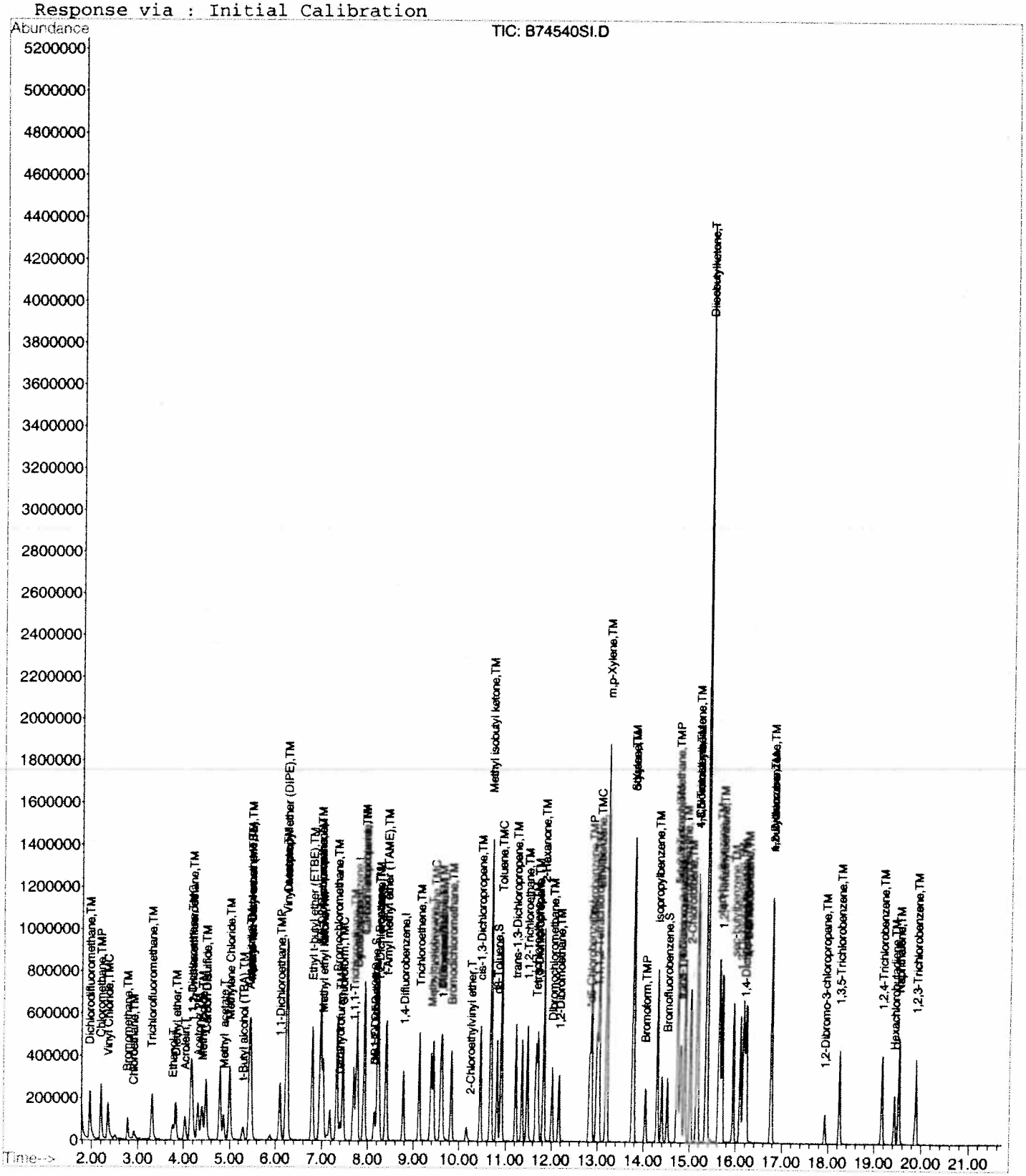
Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	Cyclohexane	7.76	56	258624	52.86 ug/L	97
45)	Bromodichloromethane	9.83	83	340596	52.17 ug/L	100
46)	Dibromomethane	9.60	93	218835	50.39 ug/L	98
47)	1,4-Dioxane	9.64	88	82329	1167.24 ug/L	100
48)	Methylcyclohexane	9.38	83	226553	49.53 ug/L	99
50)	2-Chloroethylvinyl ether	10.24	63	828	290.31 ug/L #	100
51)	2-Hexanone	11.83	58	425469	240.04 ug/L	98
52)	Methyl isobutyl ketone	10.68	58	444249	242.31 ug/L	99
53)	cis-1,3-Dichloropropene	10.45	75	358993	52.02 ug/L	98
55)	Toluene	10.90	92	534133	49.46 ug/L	99
56)	trans-1,3-Dichloropropene	11.22	75	337107	52.77 ug/L	95
58)	1,1,2-Trichloroethane	11.47	83	207299	50.45 ug/L	99
59)	1,3-Dichloropropane	11.70	76	353652	50.13 ug/L	100
60)	Tetrachloroethene	11.66	166	147221	50.34 ug/L	97
61)	Dibromochloromethane	12.02	129	213139	51.51 ug/L	99
62)	1,2-Dibromoethane	12.17	107	279939	50.27 ug/L	100
64)	Chlorobenzene	12.86	112	598064	47.32 ug/L	96
65)	1,1,1,2-Tetrachloroethane	12.99	131	153588	49.71 ug/L	99
66)	Ethylbenzene	13.03	91	972124	48.76 ug/L	98
67)	m,p-Xylene	13.20	106	676649	101.08 ug/L	99
68)	o-Xylene	13.76	106	343266	49.72 ug/L	99
69)	Styrene	13.78	104	615818	52.01 ug/L	98
70)	Bromoform	14.05	173	130902	53.80 ug/L	99
71)	Isopropylbenzene	14.29	105	752904	49.23 ug/L	99
72)	1,1,2,2-Tetrachloroethane	14.73	83	339380	48.75 ug/L	99
74)	1,2,3-Trichloropropane	14.80	75	313189	48.07 ug/L	99
75)	trans-1,4-Dichloro-2-buten	14.82	89	63395	53.50 ug/L	92
76)	n-Propylbenzene	14.90	91	949581	49.70 ug/L	99
77)	Bromobenzene	14.73	156	177182	48.64 ug/L	97
78)	1,3,5-Trimethylbenzene	15.15	105	600826	50.54 ug/L	100
79)	2-Chlorotoluene	15.01	91	614043	50.25 ug/L	99
80)	4-Chlorotoluene	15.17	91	724553	49.29 ug/L	99
81)	tert-butylbenzene	15.64	119	536684	51.29 ug/L	97
82)	1,2,4-Trimethylbenzene	15.70	105	633540	49.17 ug/L	99
83)	Diisobutylketone	15.36	57	2468786	259.75 ug/L	96
84)	sec-butylbenzene	15.95	105	655769	49.85 ug/L	100
85)	p-isopropyltoluene	16.17	119	475786	52.42 ug/L	99
86)	1,3-Dichlorobenzene	16.10	146	285176	48.47 ug/L	98
88)	1,4-Dichlorobenzene	16.24	146	296348	45.69 ug/L	99
89)	n-butylbenzene	16.77	91	546568	53.51 ug/L	99
90)	1,2-Dichlorobenzene	16.78	146	284179	47.28 ug/L	98
92)	1,2-Dibromo-3-chloropropan	17.93	75	46457	50.56 ug/L	94
94)	1,2,4-Trichlorobenzene	19.17	180	145635	46.88 ug/L	100
95)	Hexachlorobutadiene	19.43	225	48369	48.24 ug/L	98
96)	Naphthalene	19.52	128	496446	46.29 ug/L	100
97)	1,2,3-Trichlorobenzene	19.89	180	132671	47.37 ug/L	99
98)	1,3,5-Trichlorobenzene	18.25	180	151405	49.84 ug/L	96

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\101810-B\B74540SI.D Vial: 9
Acq On : 18 Oct 2010 12:55 pm Operator: TD
Sample : 50 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\101810-B\B74541SI.D Vial: 10
Acq On : 18 Oct 2010 1:24 pm Operator: TD
Sample : 100 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

TD 10/19/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.77	168	134469	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.78	114	338085	20.00 ug/L	-0.01
63) *d5-Chlorobenzene	12.83	117	296974	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.20	152	111237	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB HOLDER #28	8.14	65	105960	20.05 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 100.25%		
36) d4-1,2-Dichloroethane	8.14	65	105960	20.05 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 100.25%		
54) d8-Toluene	10.82	98	403537	20.67 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 103.35%		
73) Bromofluorobenzene	14.51	95	163364	20.28 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 101.40%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.96	85	706994	165.37 ug/L	100
3) Chloromethane	2.20	50	700710	135.28 ug/L	99
4) Vinyl Chloride	2.36	62	550685	150.69 ug/L	99
5) Bromomethane	2.77	94	146646	148.93 ug/L	98
6) Chloroethane	2.91	64	73711	62.40 ug/L	99
7) t-Butyl alcohol (TBA)	5.33	59	228918	500.81 ug/L	100
8) Trichlorofluoromethane	3.27	101	506444	109.31 ug/L	98
9) Diethyl ether	3.84	74	194476	95.70 ug/L #	41
10) 1,1,2-Trichlorotrifluoroet	4.17	101	374142	97.46 ug/L	99
11) Acrolein	4.04	56	309028	467.90 ug/L	97
12) Acetone	4.33	43	687575	535.17 ug/L	99
13) 1,1-Dichloroethene	4.14	96	369686	96.96 ug/L	98
14) Methyl iodide	4.39	142	527928	116.07 ug/L	100
15) Di-isopropyl ether (DIPE)	6.25	45	1584390	95.50 ug/L	98
16) Methylene Chloride	4.99	84	514664	101.40 ug/L	99
17) Carbon Disulfide	4.47	76	1142362	97.25 ug/L	100
18) Acrylonitrile	5.42	53	175680	94.81 ug/L	99
19) Methyl-tert-butyl ether (M	5.47	73	1114516	98.14 ug/L	98
20) trans-1,2-Dichloroethene	5.42	96	462637	95.59 ug/L	99
21) 1,1-Dichloroethane	6.09	63	661234	95.89 ug/L	99
22) Vinyl acetate	6.22	86	82682	97.90 ug/L	100
23) Methyl ethyl ketone	7.03	43	1265929	463.50 ug/L	100
24) Ethyl t-butyl ether (ETBE)	6.79	59	1248208	100.90 ug/L	99
25) 2,2-Dichloropropane	6.96	77	523196	98.76 ug/L	100
26) cis-1,2-Dichloroethene	6.97	96	522573	95.30 ug/L	96
27) t-Amyl methyl ether (TAME)	8.40	73	1155282	100.08 ug/L	98
29) Chloroform	7.45	83	823655	94.68 ug/L	99
30) Bromochloromethane	7.32	128	218836	97.01 ug/L	97
31) Tetrahydrofuran	7.40	71	49697	92.39 ug/L	100
32) 1,1,1-Trichloroethane	7.69	97	618825	98.58 ug/L	98
33) Ethanol	3.84	45	554282	10573.06 ug/L #	84
34) 1,1-Dichloropropene	7.93	75	534306	97.92 ug/L	99
35) Carbon Tetrachloride	7.92	119	449624	107.17 ug/L	96
37) 1,2-Dichloroethane	8.25	62	509536	94.28 ug/L	99
38) Benzene	8.21	78	1614939	93.83 ug/L	100
40) Trichloroethene	9.13	95	484376	94.14 ug/L	99
41) 1,2-Dichloropropane	9.44	63	402568	94.86 ug/L	100
42) Methylmethacrylate	9.62	69	290752	99.43 ug/L	99
43) Methyl acetate	4.88	43	439246	98.90 ug/L	100

VMT 10/19/10

(#) = qualifier out of range (m) = manual integration
B74541SI.D V810180B.M Tue Oct 19 07:40:52 2010

Data File : C:\HPCHEM\1\DATA\101810-B\B74541SI.D Vial: 10
Acq On : 18 Oct 2010 1:24 pm Operator: TD
Sample : 100 PPB Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010 Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Thu Oct 14 07:43:18 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	Cyclohexane	7.75	56	486503	102.91 ug/L	98
45)	Bromodichloromethane	9.83	83	649863	101.80 ug/L	99
46)	Dibromomethane	9.59	93	419127	98.69 ug/L	100
47)	1,4-Dioxane	9.64	88	187864	2723.79 ug/L	97
48)	Methylcyclohexane	9.39	83	437238	97.75 ug/L	99
50)	2-Chloroethylvinyl ether	10.24	63	1354	629.08 ug/L #	100
51)	2-Hexanone	11.83	58	887966	512.31 ug/L	98
52)	Methyl isobutyl ketone	10.68	58	917574	511.81 ug/L	98
53)	cis-1,3-Dichloropropene	10.44	75	690062	102.25 ug/L	100
55)	Toluene	10.91	92	1020704	96.66 ug/L	100
56)	trans-1,3-Dichloropropene	11.22	75	649387	103.96 ug/L	98
58)	1,1,2-Trichloroethane	11.48	83	401815	100.00 ug/L	98
59)	1,3-Dichloropropane	11.70	76	677623	98.24 ug/L	99
60)	Tetrachloroethene	11.66	166	284954	99.64 ug/L	98
61)	Dibromochloromethane	12.02	129	427466	105.65 ug/L	99
62)	1,2-Dibromoethane	12.17	107	552253	101.42 ug/L	99
64)	Chlorobenzene	12.87	112	1167004	92.67 ug/L	99
65)	1,1,1,2-Tetrachloroethane	12.99	131	307806	99.98 ug/L	98
66)	Ethylbenzene	13.03	91	1848568	93.06 ug/L	100
67)	m,p-Xylene	13.20	106	1289479	193.31 ug/L	97
68)	o-Xylene	13.77	106	654818	95.19 ug/L	99
69)	Styrene	13.79	104	1178603	99.91 ug/L	99
70)	Bromoform	14.04	173	276102	113.89 ug/L	100
71)	Isopropylbenzene	14.30	105	1467840	96.32 ug/L	100
72)	1,1,2,2-Tetrachloroethane	14.73	83	698002	100.63 ug/L	97
74)	1,2,3-Trichloropropane	14.79	75	644278	99.25 ug/L	98
75)	trans-1,4-Dichloro-2-buten	14.82	89	135130	114.44 ug/L	86
76)	n-Propylbenzene	14.90	91	1827250	95.99 ug/L	98
77)	Bromobenzene	14.73	156	347757	95.80 ug/L #	91
78)	1,3,5-Trimethylbenzene	15.16	105	1160821	97.99 ug/L	98
79)	2-Chlorotoluene	15.01	91	1174613	96.46 ug/L	99
80)	4-Chlorotoluene	15.17	91	1379869	94.21 ug/L	99
81)	tert-butylbenzene	15.63	119	1065172	102.16 ug/L	95
82)	1,2,4-Trimethylbenzene	15.70	105	1249085	97.28 ug/L	98
83)	Diisobutylketone	15.36	57	4234558	447.14 ug/L	89
84)	sec-butylbenzene	15.95	105	1284133	97.98 ug/L	100
85)	p-isopropyltoluene	16.17	119	941642	104.11 ug/L	99
86)	1,3-Dichlorobenzene	16.10	146	568689	97.02 ug/L	99
88)	1,4-Dichlorobenzene	16.24	146	590396	88.17 ug/L	97
89)	n-butylbenzene	16.77	91	1052713	99.84 ug/L	98
90)	1,2-Dichlorobenzene	16.78	146	567581	91.47 ug/L	100
92)	1,2-Dibromo-3-chloropropan	17.94	75	103227	108.82 ug/L	92
94)	1,2,4-Trichlorobenzene	19.16	180	318738	99.40 ug/L	98
95)	Hexachlorobutadiene	19.43	225	102601	99.13 ug/L	100
96)	Naphthalene	19.52	128	1089323	98.39 ug/L	100
97)	1,2,3-Trichlorobenzene	19.89	180	286383	99.05 ug/L	100
98)	1,3,5-Trichlorobenzene	18.25	180	314210	100.18 ug/L	97

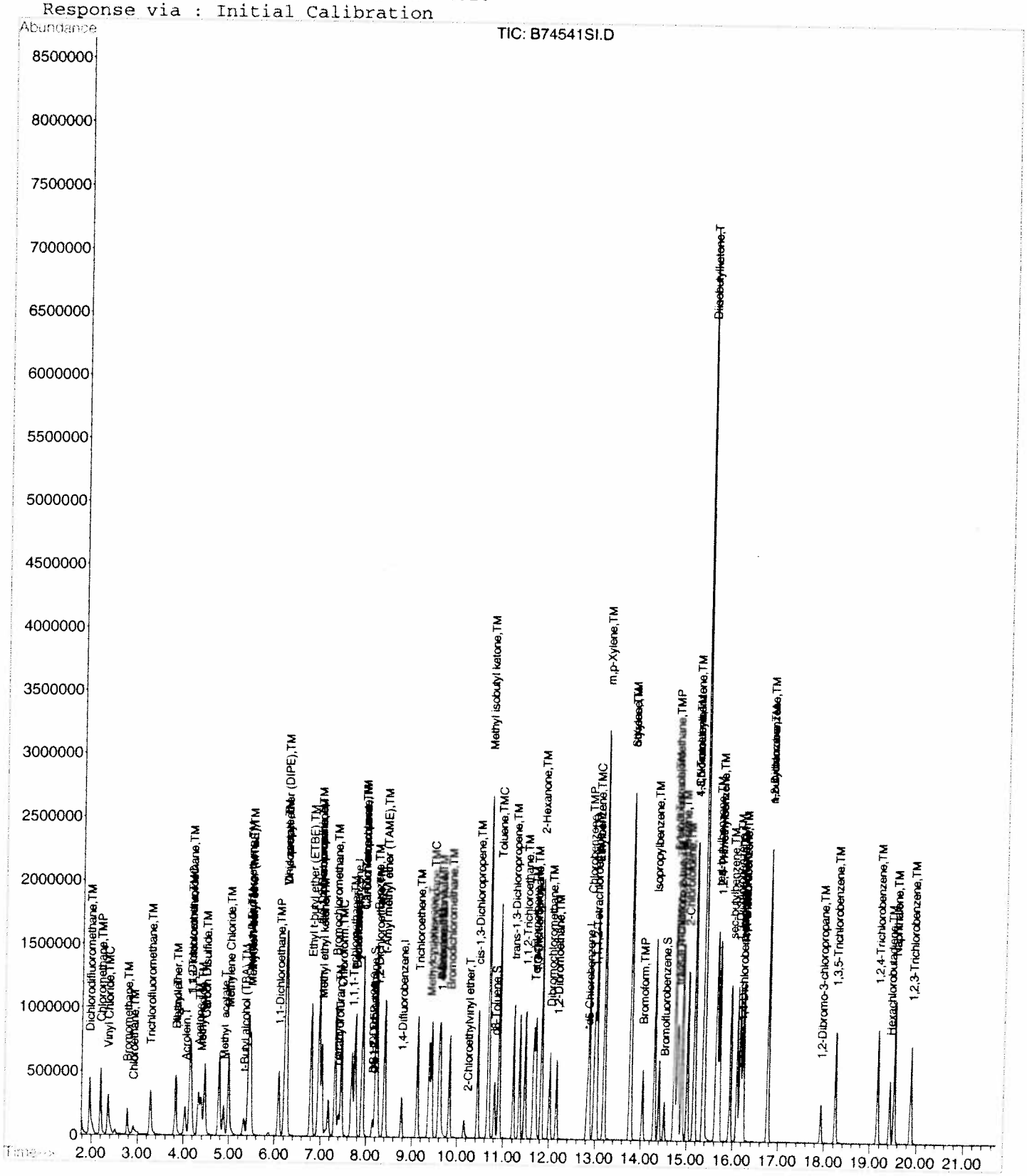
(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\101810-B\B74541SI.D
Acq On : 18 Oct 2010 1:24 pm
Sample : 100 PPB
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Oct 18 14:00 2010

Vial: 10
Operator: TD
Inst : Instrumen
Multiplr: 1.00

Quant Results File: V810180B.RES

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration



INDEPENDENT CAILIBRATION VERIFICATION

10/19/10

Instrument ID: B
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV3/L810180B3

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
Dichlorodifluoromethane	20	80	120	0.0	17	87	
Chloromethane	20	80	120	0.0	17	83	
Vinyl Chloride	20	80	120	0.0	17	85	
Bromomethane	20	80	120	0.0	17	87	
Chloroethane	20	80	120	0.0	17	83	
t-Butyl alcohol (TBA)	100	70	130	0.0	89	89	
Trichlorofluoromethane	20	80	120	0.0	16	82	
Diethyl ether	20	80	120	0.0	20	100	
1,1,2-Trichlorotrifluoroethane	20	80	120	0.0	21	106	
Acetone	100	70	130	0.0	95	95	
1,1-Dichloroethene	20	80	120	0.0	21	105	
Methyl iodide	20	70	130	0.0	20	102	
Di-isopropyl ether (DIPE)	20	80	120	0.0	20	100	
Methylene Chloride	20	80	120	0.0	21	107	
Carbon Disulfide	20	70	130	0.0	21	104	
Acrylonitrile	20	70	130	0.0	22	109	
Methyl-tert-butyl ether (MTBE)	40	80	120	0.0	40	99	
trans-1,2-Dichloroethene	20	80	120	0.0	19	94	
1,1-Dichloroethane	20	80	120	0.0	20	101	
Vinyl acetate	20	70	130	0.0	17	86	
Methyl ethyl ketone	100	70	130	0.0	99	99	
Ethyl t-butyl ether (ETBE)	20	80	120	0.0	20	100	
2,2-Dichloropropane	20	80	120	0.0	21	106	
cis-1,2-Dichloroethene	20	80	120	0.0	22	111	
t-Amyl methyl ether (TAME)	20	80	120	0.0	20	100	
Chloroform	20	80	120	0.0	21	105	
Bromochloromethane	20	80	120	0.0	22	112	
Tetrahydrofuran	20	70	130	0.0	21	105	
1,1,1-Trichloroethane	20	80	120	0.0	21	105	
1,1-Dichloropropene	20	80	120	0.0	21	104	
Carbon Tetrachloride	20	80	120	0.0	22	109	
1,2-Dichloroethane	20	80	120	0.0	19	97	
Benzene	20	80	120	0.0	21	103	
Trichloroethene	20	80	120	0.0	21	104	
1,2-Dichloropropane	20	80	120	0.0	21	104	
Methylmethacrylate	20	70	130	0.0	19	97	
Methyl acetate	20	70	130	0.0	22	110	
Cyclohexane	20	70	130	0.0	22	109	
Bromodichloromethane	20	80	120	0.0	21	104	
Dibromomethane	20	80	120	0.0	21	104	
1,4-Dioxane	500	70	130	0.0	491	98	
Methylcyclohexane	20	70	130	0.0	22	110	
2-Hexanone	100	70	130	0.0	108	108	
Methyl isobutyl ketone	100	70	130	0.0	104	104	
cis-1,3-Dichloropropene	20	80	120	0.0	21	107	
Toluene	20	80	120	0.0	21	103	
trans-1,3-Dichloropropene	20	80	120	0.0	21	103	
1,1,2-Trichloroethane	20	80	120	0.0	22	108	
1,3-Dichloropropane	20	80	120	0.0	20	102	
Tetrachloroethene	20	80	120	0.0	22	108	
Dibromochloromethane	20	80	120	0.0	21	106	

VMT 10/19/10

VOA FORM 3

Instrument ID: B
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG:
Non-spiked sample: BLANK
Spike: 20 PPB ICV3/L810180B3

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#
1,2-Dibromoethane	20	80	120	0.0	21	107	
Chlorobenzene	20	80	120	0.0	20	100	
1,1,1,2-Tetrachloroethane	20	80	120	0.0	21	106	
Ethylbenzene	20	80	120	0.0	20	101	
m,p-Xylene	40	80	120	0.0	40	101	
o-Xylene	20	80	120	0.0	20	100	
Styrene	20	80	120	0.0	21	106	
Bromoform	20	80	120	0.0	22	109	
Isopropylbenzene	20	80	120	0.0	21	104	
1,1,2,2-Tetrachloroethane	20	80	120	0.0	20	101	
1,2,3-Trichloropropane	20	80	120	0.0	19	96	
trans-1,4-Dichloro-2-butene	20	80	120	0.0	20	102	
n-Propylbenzene	20	80	120	0.0	19	96	
Bromobenzene	20	80	120	0.0	20	100	
1,3,5-Trimethylbenzene	20	80	120	0.0	21	105	
2-Chlorotoluene	20	80	120	0.0	21	103	
4-Chlorotoluene	20	80	120	0.0	20	99	
tert-butylbenzene	20	80	120	0.0	20	101	
1,2,4-Trimethylbenzene	20	80	120	0.0	20	98	
sec-butylbenzene	20	80	120	0.0	20	101	
p-isopropyltoluene	20	80	120	0.0	21	107	
1,3-Dichlorobenzene	20	80	120	0.0	20	100	
1,4-Dichlorobenzene	20	80	120	0.0	20	99	
n-butylbenzene	20	80	120	0.0	22	111	
1,2-Dichlorobenzene	20	80	120	0.0	21	105	
1,2-Dibromo-3-chloropropane	20	80	120	0.0	21	106	
1,2,4-Trichlorobenzene	20	80	120	0.0	21	104	
Hexachlorobutadiene	20	80	120	0.0	21	104	
Naphthalene	20	80	120	0.0	21	106	
1,2,3-Trichlorobenzene	20	80	120	0.0	21	105	
1,3,5-Trichlorobenzene	20	80	120	0.0	20	100	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recover

Comments: _____

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\101810-B\B74546CC.D
Acq On : 18 Oct 2010 3:39 pm
Sample : 20 PPB ICV3/L810180B3
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Oct 18 16:08 2010

Vial: 15
Operator: TD
Inst : Instrumen
Multiplr: 1.00

Quant Results File: V810180B.RES

Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

QM 10/19/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.77	168	145539	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.79	114	368053	20.00 ug/L	0.00
63) *d5-Chlorobenzene	12.83	117	318228	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.20	152	110766	20.00 ug/L	0.00

System Monitoring Compounds					
28) DB HOLDER #28	8.14	65	116334	19.08 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 95.40%		
36) d4-1,2-Dichloroethane	8.14	65	116334	19.08 ug/L	0.00
Spiked Amount 20.000	Range 80 - 120		Recovery = 95.40%		
54) d8-Toluene	10.82	98	428961	19.82 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery = 99.10%		
73) Bromofluorobenzene	14.51	95	173842	19.86 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery = 99.30%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.96	85	131175	17.44 ug/L	100
3) Chloromethane	2.20	50	137135	16.66 ug/L	97
4) Vinyl Chloride	2.35	62	99344	16.99 ug/L	98
5) Bromomethane	2.77	94	32281	17.45 ug/L	98
6) Chloroethane	2.93	64	30279	16.66 ug/L	98
7) t-Butyl alcohol (TBA)	5.28	59	42609	89.26 ug/L	99
8) Trichlorofluoromethane	3.31	101	107873	16.31 ug/L	98
9) Diethyl ether	3.83	74	43441	19.91 ug/L	98
10) 1,1,2-Trichlorotrifluoroet	4.20	101	88436	21.18 ug/L	99
11) Acrolein	4.03	56	52158	76.00 ug/L	99
12) Acetone	4.31	43	156724	95.33 ug/L	99
13) 1,1-Dichloroethene	4.17	96	90339	20.94 ug/L	97
14) Methyl iodide	4.41	142	130875	20.48 ug/L	99
15) Di-isopropyl ether (DIPE)	6.25	45	371054	19.91 ug/L	100
16) Methylene Chloride	5.00	84	122585	21.33 ug/L	96
17) Carbon Disulfide	4.49	76	286714	20.75 ug/L	100
18) Acrylonitrile	5.42	53	40501	21.89 ug/L	96
19) Methyl-tert-butyl ether (M	5.46	73	495884	39.51 ug/L	99
20) trans-1,2-Dichloroethene	5.44	96	99501	18.78 ug/L	97
21) 1,1-Dichloroethane	6.09	63	157486	20.25 ug/L	98
22) Vinyl acetate	6.22	86	14967	17.16 ug/L	92
23) Methyl ethyl ketone	7.02	43	286946	98.65 ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.79	59	274661	19.93 ug/L	99
25) 2,2-Dichloropropane	6.96	77	132186	21.18 ug/L	100
26) cis-1,2-Dichloroethene	6.97	96	132858	22.16 ug/L	99
27) t-Amyl methyl ether (TAME)	8.40	73	255955	20.03 ug/L	97
29) Chloroform	7.45	83	198488	21.04 ug/L	99
30) Bromochloromethane	7.32	128	52139	22.49 ug/L	99
31) Tetrahydrofuran	7.39	71	10607	21.01 ug/L	97
32) 1,1,1-Trichloroethane	7.69	97	146060	20.94 ug/L	98
33) Ethanol	3.74	45	50212	992.68 ug/L	100
34) 1,1-Dichloropropene	7.93	75	127433	20.84 ug/L	97
35) Carbon Tetrachloride	7.93	119	101552	21.77 ug/L	97
37) 1,2-Dichloroethane	8.25	62	120304	19.45 ug/L	99
38) Benzene	8.22	78	382466	20.58 ug/L	98
40) Trichloroethene	9.13	95	114297	20.79 ug/L	97
41) 1,2-Dichloropropane	9.44	63	95824	20.72 ug/L	100
42) Methylmethacrylate	9.62	69	63028	19.45 ug/L	98
43) Methyl acetate	4.87	43	109617	22.00 ug/L	100

VMT 10/19/10

(#) = qualifier out of range (m) = manual integration
B74546CC.D V810180B.M Tue Oct 19 07:42:31 2010

Data File : C:\HPCHEM\1\DATA\101810-B\B74546CC.D
Acq On : 18 Oct 2010 3:39 pm
Sample : 20 PPB ICV3/L810180B3
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Oct 18 16:08 2010

Vial: 15
Operator: TD
Inst : Instrumen
Multiplr: 1.00

Quant Results File: V810180B.RES

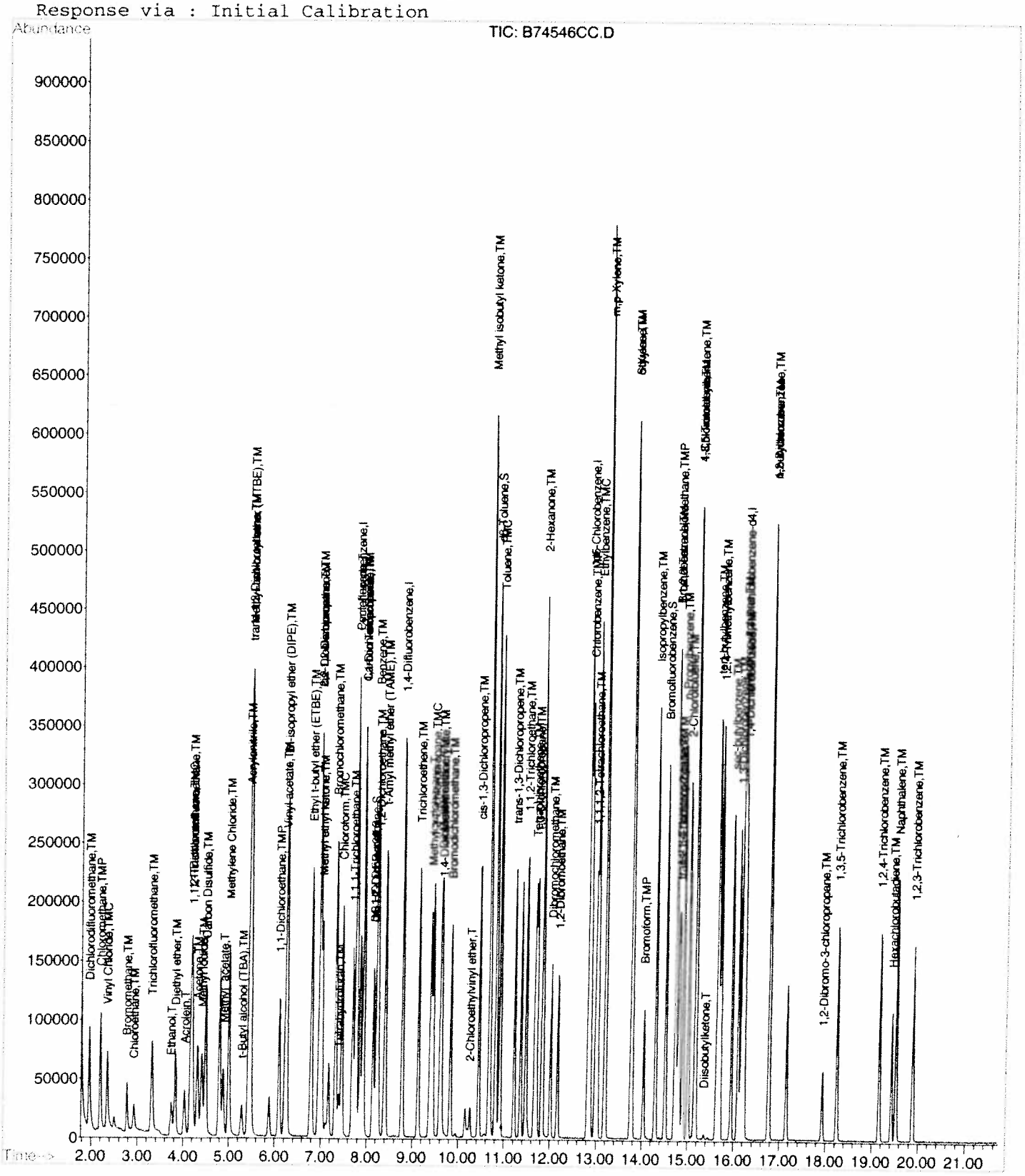
Quant Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration
DataAcq Meth : V810160B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) Cyclohexane	7.76	56	121212	21.84 ug/L	99
45) Bromodichloromethane	9.83	83	147361	20.72 ug/L	98
46) Dibromomethane	9.59	93	94311	20.88 ug/L	99
47) 1,4-Dioxane	9.64	88	35231	490.63 ug/L	100
48) Methylcyclohexane	9.39	83	104573	22.07 ug/L	99
50) 2-Chloroethylvinyl ether	10.25	63	12258	888.05 ug/L #	100
51) 2-Hexanone	11.83	58	199986	108.34 ug/L	96
52) Methyl isobutyl ketone	10.67	58	200321	103.89 ug/L	99
53) cis-1,3-Dichloropropene	10.45	75	159652	21.50 ug/L	99
55) Toluene	10.91	92	235925	20.52 ug/L	100
56) trans-1,3-Dichloropropene	11.22	75	142901	20.51 ug/L	98
58) 1,1,2-Trichloroethane	11.48	83	94548	21.67 ug/L	94
59) 1,3-Dichloropropane	11.70	76	156323	20.33 ug/L	98
60) Tetrachloroethene	11.66	166	67185	21.65 ug/L	95
61) Dibromochloromethane	12.02	129	91171	21.22 ug/L	99
62) 1,2-Dibromoethane	12.17	107	123515	21.43 ug/L	99
64) Chlorobenzene	12.87	112	265720	20.10 ug/L	100
65) 1,1,1,2-Tetrachloroethane	12.99	131	67258	21.17 ug/L	99
66) Ethylbenzene	13.03	91	423563	20.19 ug/L	98
67) m,p-Xylene	13.19	106	296863	40.47 ug/L	98
68) o-Xylene	13.77	106	147498	20.06 ug/L	97
69) Styrene	13.78	104	264189	21.17 ug/L	94
70) Bromoform	14.04	173	56070	21.84 ug/L	97
71) Isopropylbenzene	14.30	105	335736	20.78 ug/L	100
72) 1,1,2,2-Tetrachloroethane	14.73	83	146676	20.19 ug/L	100
74) 1,2,3-Trichloropropane	14.79	75	132261	19.12 ug/L	95
75) trans-1,4-Dichloro-2-buten	14.82	89	25530	20.40 ug/L	96
76) n-Propylbenzene	14.89	91	390620	19.25 ug/L	100
77) Bromobenzene	14.73	156	77306	20.03 ug/L #	90
78) 1,3,5-Trimethylbenzene	15.16	105	262119	21.00 ug/L	98
79) 2-Chlorotoluene	15.01	91	262262	20.50 ug/L	99
80) 4-Chlorotoluene	15.17	91	308929	19.73 ug/L	97
81) tert-butylbenzene	15.63	119	223480	20.11 ug/L	95
82) 1,2,4-Trimethylbenzene	15.70	105	268576	19.61 ug/L	100
83) Diisobutylketone	15.36	57	2073	0.20 ug/L #	88
84) sec-butylbenzene	15.95	105	285203	20.24 ug/L	100
85) p-isopropyltoluene	16.17	119	209864	21.30 ug/L	98
86) 1,3-Dichlorobenzene	16.10	146	125135	20.04 ug/L	99
88) 1,4-Dichlorobenzene	16.23	146	128651	19.86 ug/L	98
89) n-butylbenzene	16.77	91	233084	22.17 ug/L	96
90) 1,2-Dichlorobenzene	16.78	146	123360	21.10 ug/L	98
92) 1,2-Dibromo-3-chloropropan	17.93	75	19752	21.21 ug/L	93
94) 1,2,4-Trichlorobenzene	19.17	180	62699	20.90 ug/L	97
95) Hexachlorobutadiene	19.43	225	21728	20.84 ug/L	99
96) Naphthalene	19.52	128	212752	21.16 ug/L	100
97) 1,2,3-Trichlorobenzene	19.89	180	58841	20.92 ug/L	100
98) 1,3,5-Trichlorobenzene	18.25	180	64699	20.01 ug/L	96

(#) = qualifier out of range (m) = manual integration
B74546CC.D V810180B.M Tue Oct 19 07:42:32 2010

Data File : C:\HPCHEM\1\DATA\101810-B\B74546CC.D Vial: 15
Acq On : 18 Oct 2010 3:39 pm Operator: TD
Sample : 20 PPB ICV3/L810180B3 Inst : Instrumen
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 18 16:08 2010 Quant Results File: V810180B.RES

Method : C:\HPCHEM\1\METHODS\V810180B.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Mon Oct 18 14:13:41 2010
Response via : Initial Calibration


Abundance
TIC: B74546CC.D
Time-->
Dichlorodifluoromethane,TM
Chloromethane,TM
Vinyl Chloride,TMC
Bromomethane,TM
Chloroethane,TM
Trichlorofluoromethane,TM
Ethanol,T
Diethyl ether,TM
Acrolein,T
Carbon Disulfide,TM
Methyl acetate,T
Methylene Chloride,TM
t-Butyl alcohol (TBA),TM
Acrylonitrile,TM
1,1-Dichloroethane,TMP
Vinyl acetate,TM
Methyl t-butyl ether (MTBE),TM
Ethyl t-butyl ether (ETBE),TM
Methyl ethyl ketone,TM
Chloroform,TM
Bromochloromethane,TM
1,1,1-Trichloroethane,TM
Carbon Tetrachloride,TM
Benzene,TM
t-Amyl methyl ether (TAME),TM
1,4-Difluorobenzene,I
Trichloroethene,TM
2-Chloroethyl vinyl ether,T
cis-1,3-Dichloropropene,TM
trans-1,3-Dichloropropene,TM
1,1,2-Trichloroethane,TM
Toluene,TMC
Toluene,S
Methyl isobutyl ketone,TM
2-Hexanone,TM
Dibromochloromethane,TM
1,2-Dibromoethane,TM
Chlorobenzene,TMC
Ethylbenzene,TMC
m,p-Xylene,TM
Styrene,TM
Bromoform,TMP
Isopropylbenzene,TM
Bromofluorobenzene,S
Bromobenzene,TM
2-Chlorotoluene,TM
4-Chlorotoluene,TM
Bromobenzene,TM
Bromodichloromethane,TMP
Dibromomethane,TM
Dichlorodifluoromethane,TM
Dichlorodifluoromethane,TM
Dichlorodifluorom

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D Vial: 3
Acq On : 15 Oct 2010 12:03 pm Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Multiple Level Calibration

AD 10/18/10

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	89	0.00
2	TM	Dichlorodifluoromethane	0.757	0.509	Low 32.8#	62	0.00
3	TMP	Chloromethane	1.195	0.940	L 93% ~~20.8#~~	85	0.00
4	TMC	Vinyl Chloride	0.766	0.691	9.8	85	0.00
5	TM	Bromomethane	0.522	0.677	L 110% ~~-29.7#~~	104	0.00
6	TM	Chloroethane	0.579	0.593	-2.4	96	0.00
7	TM	t-Butyl alcohol (TBA)	0.072	0.060#	16.7	86	0.00
8	TM	Trichlorofluoromethane	1.175	1.165	0.9	89	0.00
9	TM	Diethyl ether	0.315	0.327	-3.8	82	0.00
10	TM	1,1,2-Trichlorotrifluoroeth	0.650	0.648	0.3	90	0.00
11	T	Acrolein	0.047	0.120	NT -155.3#	254#	0.00
12	TM	Acetone	0.315	0.250	20.6#	83	0.00
13	TMC	1,1-Dichloroethene	0.604	0.614	-1.7	93	0.00
14	TM	Methyl iodide	0.481	0.599	L 109% ~~-24.5#~~	85	0.00
15	TM	Di-isopropyl ether (DIPE)	2.967	2.971	-0.1	92	0.00
16	TM	Methylene Chloride	0.829	0.689	16.9	89	0.00
17	TM	Carbon Disulfide	2.044	2.007	1.8	85	0.00
18	TM	Acrylonitrile	0.323	0.306	5.3	83	0.00
19	TM	Methyl-tert-butyl ether (MT	1.398	1.539	-10.1	90	0.00
20	TM	trans-1,2-Dichloroethene	1.029	0.984	4.4	86	0.00
21	TMP	1,1-Dichloroethane	1.344	1.245	7.4	90	0.00
22	TM	Vinyl acetate	1.252	1.367	-9.2	93	0.00
23	TM	Methyl ethyl ketone	0.072	0.071#	1.4	89	0.00
24	TM	Ethyl t-butyl ether (ETBE)	2.176	2.197	-1.0	91	0.00
25	TM	2,2-Dichloropropane	0.775	0.752	3.0	90	0.00
26	TM	cis-1,2-Dichloroethene	0.737	0.740	-0.4	88	0.00
27	TM	t-Amyl methyl ether (TAME)	1.789	1.713	4.2	89	0.00
28	S	DB Holder #28	0.760	0.724	4.7	81	0.00
29	TMC	Chloroform	1.211	1.151	5.0	87	0.00
30	TM	Bromochloromethane	0.396	0.326	17.7	88	0.00
31	TM	Tetrahydrofuran	0.103	0.084#	18.4	89	0.00
32	TM	1,1,1-Trichloroethane	0.945	0.945	0.0	87	0.00
33	T	Ethanol	0.013	0.012#	7.7	84	0.00
34	TM	1,1-Dichloropropene	0.947	0.920	2.9	88	0.00
35	TM	Carbon Tetrachloride	0.563	0.603	-7.1	89	0.00
36	S	d4-1,2-Dichloroethane	0.760	0.724	4.7	81	0.00
37	TM	1,2-Dichloroethane	0.906	0.893	1.4	86	0.00
38	TM	Benzene	2.460	2.378	3.3	89	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
40	TM	Trichloroethene	0.432	0.371	14.1	85	0.00
41	TMC	1,2-Dichloropropane	0.349	0.358	-2.6	92	0.00
42	TM	Methylmethacrylate	0.252	0.232	7.9	84	0.00
43	T	Methyl acetate	0.527	0.485	8.0	88	0.00
44	T	Cyclohexane	0.572	0.645	-12.8	99	0.00
45	TM	Bromodichloromethane	0.407	0.417	-2.5	88	0.00
46	TM	Dibromomethane	0.267	0.249	6.7	87	0.00
47	TM	1,4-Dioxane	0.004	0.004#	0.0	83	0.00
48	T	Methylcyclohexane	0.516	0.568	-10.1	97	0.00
49	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
50	T	2-Chloroethylvinyl ether	0.198	0.200	-1.0	95	0.00
51	TM	2-Hexanone	0.145	0.138	4.8	85	0.00
52	TM	Methyl isobutyl ketone	0.148	0.144	2.7	85	0.00
53	TM	cis-1,3-Dichloropropene	0.537	0.541	-0.7	86	0.00

VMT 10/18/10

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D Vial: 3
Acq On : 15 Oct 2010 12:03 pm Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
54	S	d8-Toluene	1.103	1.117	-1.3	89	0.00
55	TMC	Toluene	0.773	0.787	-1.8	89	0.00
56	TM	trans-1,3-Dichloropropene	0.505	0.486	3.8	83	0.00
57	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
58	TM	1,1,2-Trichloroethane	0.250	0.252	-0.8	85	0.00
59	TM	1,3-Dichloropropane	0.544	0.514	5.5	86	0.00
60	TM	Tetrachloroethene	0.369	0.338	8.4	85	0.00
61	TM	Dibromochloromethane	0.372	0.351	5.6	85	0.00
62	TM	1,2-Dibromoethane	0.385	0.359	6.8	84	0.00
63	I	*d5-Chlorobenzene	1.000	1.000	0.0	88	0.00
64	TMP	Chlorobenzene	1.040	1.017	2.2	90	0.00
65	TM	1,1,1,2-Tetrachloroethane	0.360	0.354	1.7	88	0.00
66	TMC	Ethylbenzene	1.627	1.612	0.9	91	0.00
67	TM	m,p-Xylene	0.664	0.654	1.5	90	0.00
68	TM	o-Xylene	0.641	0.633	1.2	88	0.00
69	TM	Styrene	1.121	1.124	-0.3	91	0.00
70	TMP	Bromoform	0.212	0.228	-7.5	82	0.00
71	TM	Isopropylbenzene	1.669	1.661	0.5	90	0.00
72	TMP	1,1,2,2-Tetrachloroethane	0.494	0.455	7.9	83	0.00
73	S	Bromofluorobenzene	0.471	0.472	-0.2	87	0.00
74	TM	1,2,3-Trichloropropane	0.370	0.336	9.2	82	0.00
75	TM	trans-1,4-Dichloro-2-butene	0.128	0.127	0.8	84	0.00
76	TM	n-Propylbenzene	1.963	1.936	1.4	90	0.00
77	TM	Bromobenzene	0.375	0.371	1.1	88	0.00
78	TM	1,3,5-Trimethylbenzene	1.306	1.328	-1.7	90	0.00
79	TM	2-Chlorotoluene	1.193	1.224	-2.6	89	0.00
80	TM	4-Chlorotoluene	1.128	1.114	1.2	88	0.00
81	TM	tert-butylbenzene	1.158	1.111	4.1	86	0.00
82	TM	1,2,4-Trimethylbenzene	1.399	1.387	0.9	89	0.00
83	T	Diisobutylketone	0.990	1.008	-1.8	92	0.00
84	TM	sec-butylbenzene	1.848	1.834	0.8	90	0.00
85	TM	p-isopropyltoluene	1.479	1.450	2.0	89	0.00
86	TM	1,3-Dichlorobenzene	0.683	0.673	1.5	90	0.00
87	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
88	TM	1,4-Dichlorobenzene	1.607	1.565	2.6	89	0.00
89	TM	n-butylbenzene	3.130	3.106	0.8	89	0.00
90	TM	1,2-Dichlorobenzene	1.444	1.430	1.0	88	0.00
91	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
92	TM	1,2-Dibromo-3-chloropropane	0.214	0.167	<90% ~~22.0~~#	80	0.00
93	T	NO COMPOUND	0.000	0.000#	0.0	0#	-0.43
94	TM	1,2,4-Trichlorobenzene	1.102	1.121	-1.7	88	0.00
95	TM	Hexachlorobutadiene	0.547	0.543	0.7	89	0.00
96	TM	Naphthalene	2.674	2.650	0.9	84	0.00
97	TM	1,2,3-Trichlorobenzene	0.977	1.007	-3.1	89	0.00
98	TM	1,3,5-Trichlorobenzene	1.168	1.224	-4.8	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
C76536SC.D V808100C.M Sat Oct 16 12:59:15 2010

% DRIFT EVALUATION

AD 10/16/10

1=AVERAGE RF	Data File Name	C76536SC.D
0=LINEAR	Date Acquired	10/15/10 12:03
3=QUADRATIC	Sample Name	20 PPB

METHOD: C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M

CAL FIT	Name	ug/L Amount	ug/L Expected	% DRIFT		<20%
1	Dichlorodifluoromethane	13.45	20	32.7%	NA	* - okin CCS,D
0	Chloromethane	18.63	20	6.9%		OK
1	Vinyl Chloride	18.05	20	9.7%	NA	OK
0	Bromomethane	21.93	20	9.7%		OK
1	Chloroethane	20.47	20	2.4%	NA	OK
1	t-Butyl alcohol (TBA)	83.03	100	17.0%	NA	OK
1	Trichlorofluoromethane	19.83	20	0.9%	NA	OK
1	Diethyl ether	20.76	20	3.8%	NA	OK
1	1,1,2-Trichlorotrifluoroethane	19.94	20	0.3%	NA	OK
0	Acrolein	282.91	100	182.9%		* NT
0	Acetone	96.27	100	3.7%		OK
1	1,1-Dichloroethene	20.32	20	1.6%	NA	OK
0	Methyl iodide	21.70	20	8.5%		OK
1	Di-isopropyl ether (DIPE)	20.02	20	0.1%	NA	OK
0	Methylene Chloride	19.89	20	0.6%		OK
1	Carbon Disulfide	19.64	20	1.8%	NA	OK
1	Acrylonitrile	18.99	20	5.1%	NA	OK
1	Methyl-tert-butyl ether (MTBE)	22.02	20	10.1%	NA	OK
1	trans-1,2-Dichloroethene	19.12	20	4.4%	NA	OK
0	1,1-Dichloroethane	20.82	20	4.1%		OK
1	Vinyl acetate	21.84	20	9.2%	NA	OK
1	Methyl ethyl ketone	98.61	100	1.4%	NA	OK
1	Ethyl t-butyl ether (ETBE)	20.19	20	0.9%	NA	OK
1	2,2-Dichloropropane	19.40	20	3.0%	NA	OK
1	cis-1,2-Dichloroethene	20.07	20	0.4%	NA	OK
1	t-Amyl methyl ether (TAME)	19.15	20	4.3%	NA	OK
1	Chloroform	18.99	20	5.0%	NA	OK
0	Bromochloromethane	20.49	20	2.4%		OK
0	Tetrahydrofuran	20.15	20	0.8%		OK
1	1,1,1-Trichloroethane	20.01	20	0.0%	NA	OK
1	Ethanol	934.14	1000	6.6%	NA	OK
1	1,1-Dichloropropene	19.42	20	2.9%	NA	OK
1	Carbon Tetrachloride	21.40	20	7.0%	NA	OK
1	d4-1,2-Dichloroethane	19.04	20	4.8%	NA	OK
1	1,2-Dichloroethane	19.71	20	1.5%	NA	OK
1	Benzene	19.34	20	3.3%	NA	OK
0	Trichloroethene	21.03	20	5.2%		OK
1	1,2-Dichloropropane	20.48	20	2.4%	NA	OK
1	Methylmethacrylate	18.42	20	7.9%	NA	OK
0	Methyl acetate	21.00	20	5.0%		OK

MET 10/19/10

1	Cyclohexane	22.57	20	12.9%	NA	OK
1	Bromodichloromethane	20.50	20	2.5%	NA	OK
0	Dibromomethane	22.05	20	10.3%		OK
1	1,4-Dioxane	475.96	500	4.8%	NA	OK
1	Methylcyclohexane	22.00	20	10.0%	NA	OK
1	2-Chloroethylvinyl ether	20.18	20	0.9%	NA	OK
1	2-Hexanone	95.53	100	4.5%	NA	OK
1	Methyl isobutyl ketone	97.47	100	2.5%	NA	OK
1	cis-1,3-Dichloropropene	20.14	20	0.7%	NA	OK
1	d8-Toluene	20.25	20	1.3%	NA	OK
1	Toluene	20.37	20	1.8%	NA	OK
1	trans-1,3-Dichloropropene	19.26	20	3.7%	NA	OK
1	1,1,2-Trichloroethane	20.14	20	0.7%	NA	OK
1	1,3-Dichloropropane	18.91	20	5.5%	NA	OK
1	Tetrachloroethene	18.33	20	8.4%	NA	OK
1	Dibromochloromethane	18.88	20	5.6%	NA	OK
1	1,2-Dibromoethane	18.65	20	6.8%	NA	OK
1	Chlorobenzene	19.55	20	2.2%	NA	OK
1	1,1,1,2-Tetrachloroethane	19.71	20	1.5%	NA	OK
1	Ethylbenzene	19.82	20	0.9%	NA	OK
1	m,p-Xylene	39.44	40	1.4%	NA	OK
1	o-Xylene	19.78	20	1.1%	NA	OK
1	Styrene	20.05	20	0.2%	NA	OK
0	Bromoform	18.42	20	7.9%		OK
1	Isopropylbenzene	19.90	20	0.5%	NA	OK
1	1,1,2,2-Tetrachloroethane	18.45	20	7.7%	NA	OK
1	Bromofluorobenzene	20.05	20	0.3%	NA	OK
0	1,2,3-Trichloropropane	19.83	20	0.9%		OK
1	trans-1,4-Dichloro-2-butene	19.96	20	0.2%	NA	OK
1	n-Propylbenzene	19.72	20	1.4%	NA	OK
1	Bromobenzene	19.78	20	1.1%	NA	OK
1	1,3,5-Trimethylbenzene	20.34	20	1.7%	NA	OK
1	2-Chlorotoluene	20.52	20	2.6%	NA	OK
1	4-Chlorotoluene	19.76	20	1.2%	NA	OK
1	tert-butylbenzene	19.18	20	4.1%	NA	OK
1	1,2,4-Trimethylbenzene	19.83	20	0.8%	NA	OK
1	Diisobutylketone	101.77	100	1.8%	NA	OK
1	sec-butylbenzene	19.84	20	0.8%	NA	OK
1	p-isopropyltoluene	19.61	20	2.0%	NA	OK
1	1,3-Dichlorobenzene	19.71	20	1.4%	NA	OK
1	1,4-Dichlorobenzene	19.48	20	2.6%	NA	OK
1	n-butylbenzene	19.84	20	0.8%	NA	OK
1	1,2-Dichlorobenzene	19.81	20	0.9%	NA	OK
0	1,2-Dibromo-3-chloropropane	18.04	20	9.8%		OK
1	1,2,4-Trichlorobenzene	20.34	20	1.7%	NA	OK
1	Hexachlorobutadiene	19.86	20	0.7%	NA	OK
1	Naphthalene	19.82	20	0.9%	NA	OK
1	1,2,3-Trichlorobenzene	20.63	20	3.1%	NA	OK
1	1,3,5-Trichlorobenzene	20.95	20	4.7%	NA	OK

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D Vial: 3
Acq On : 15 Oct 2010 12:03 pm Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	7.17	168	175768	20.00 ug/L	0.00
39) 1,4-Difluorobenzene	8.66	114	342673	20.00 ug/L	0.00
63) *d5-Chlorobenzene	13.18	117	302905	20.00 ug/L	0.00
87) 1,4-Dichlorobenzene-d4	16.89	152	133673	20.00 ug/L	0.00
System Monitoring Compounds					
28) DB Holder #28	8.04	65	127226	19.06 ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.30%	
36) d4-1,2-Dichloroethane	8.04	65	127226	19.04 ug/L	0.00
Spiked Amount 20.000	Range 70 - 120		Recovery =	95.20%	
54) d8-Toluene	10.91	98	382650	20.25 ug/L	0.00
Spiked Amount 20.000	Range 85 - 120		Recovery =	101.25%	
73) Bromofluorobenzene	15.06	95	142949	20.05 ug/L	0.00
Spiked Amount 20.000	Range 75 - 120		Recovery =	100.25%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.70	85	89529	13.45 ug/L	98
3) Chloromethane	2.00	50	166323	18.63 ug/L	96
4) Vinyl Chloride	2.05	62	121500	18.05 ug/L	97
5) Bromomethane	2.53	94	119070	21.93 ug/L	95
6) Chloroethane	2.62	64	104252	20.47 ug/L	95
7) t-Butyl alcohol (TBA)	3.99	59	52590	83.03 ug/L #	87
8) Trichlorofluoromethane	2.96	101	204822	19.83 ug/L	97
9) Diethyl ether	3.37	74	57543	20.76 ug/L	99
10) 1,1,2-Trichlorotrifluoroet	3.60	101	113850	19.94 ug/L #	67
11) Acrolein	3.52	56	105306	282.91 ug/L	99
12) Acetone	3.63	43	219616	96.27 ug/L	98
13) 1,1-Dichloroethene	3.80	96	107972	20.32 ug/L	96
14) Methyl iodide	4.25	142	105347	21.70 ug/L	98
15) Di-isopropyl ether (DIPE)	5.64	45	522202	20.02 ug/L	98
16) Methylene Chloride	4.56	84	121141	19.89 ug/L	99
17) Carbon Disulfide	4.54	76	352733	19.64 ug/L	100
18) Acrylonitrile	4.79	53	53824	18.99 ug/L	93
19) Methyl-tert-butyl ether (M	4.89	73	270570	22.02 ug/L	97
20) trans-1,2-Dichloroethene	5.07	61	172892	19.12 ug/L	98
21) 1,1-Dichloroethane	5.76	63	218888	20.82 ug/L	99
22) Vinyl acetate	5.80	43	240219	21.84 ug/L	100
23) Methyl ethyl ketone	6.46	72	62081	98.61 ug/L	99
24) Ethyl t-butyl ether (ETBE)	6.29	59	386144	20.19 ug/L	99
25) 2,2-Dichloropropane	6.66	77	132189	19.40 ug/L	87
26) cis-1,2-Dichloroethene	6.71	96	130081	20.07 ug/L	95
27) t-Amyl methyl ether (TAME)	8.03	73	301028	19.15 ug/L	99
29) Chloroform	6.96	83	202239	18.99 ug/L	96
30) Bromochloromethane	7.20	128	57243	20.49 ug/L	99
31) Tetrahydrofuran	7.30	71	14850	20.15 ug/L	95
32) 1,1,1-Trichloroethane	7.58	97	166131	20.01 ug/L	98
33) Ethanol	2.76	45	105655	934.14 ug/L	100
34) 1,1-Dichloropropene	7.81	75	161630	19.42 ug/L	99
35) Carbon Tetrachloride	7.96	119	105950	21.40 ug/L	99
37) 1,2-Dichloroethane	8.19	62	156962	19.71 ug/L	98
38) Benzene	8.19	78	418057	19.34 ug/L	100
40) Trichloroethene	9.13	95	127064	21.03 ug/L	100
41) 1,2-Dichloropropane	9.39	63	122521	20.48 ug/L	99
42) Methylmethacrylate	9.52	69	79648	18.42 ug/L	98
43) Methyl acetate	4.37	43	166134	21.00 ug/L #	99

VMT 10/18/10

(#) = qualifier out of range (m) = manual integration
C76536SC.D V808100C.M Sat Oct 16 12:59:47 2010

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D Vial: 3
Acq On : 15 Oct 2010 12:03 pm Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

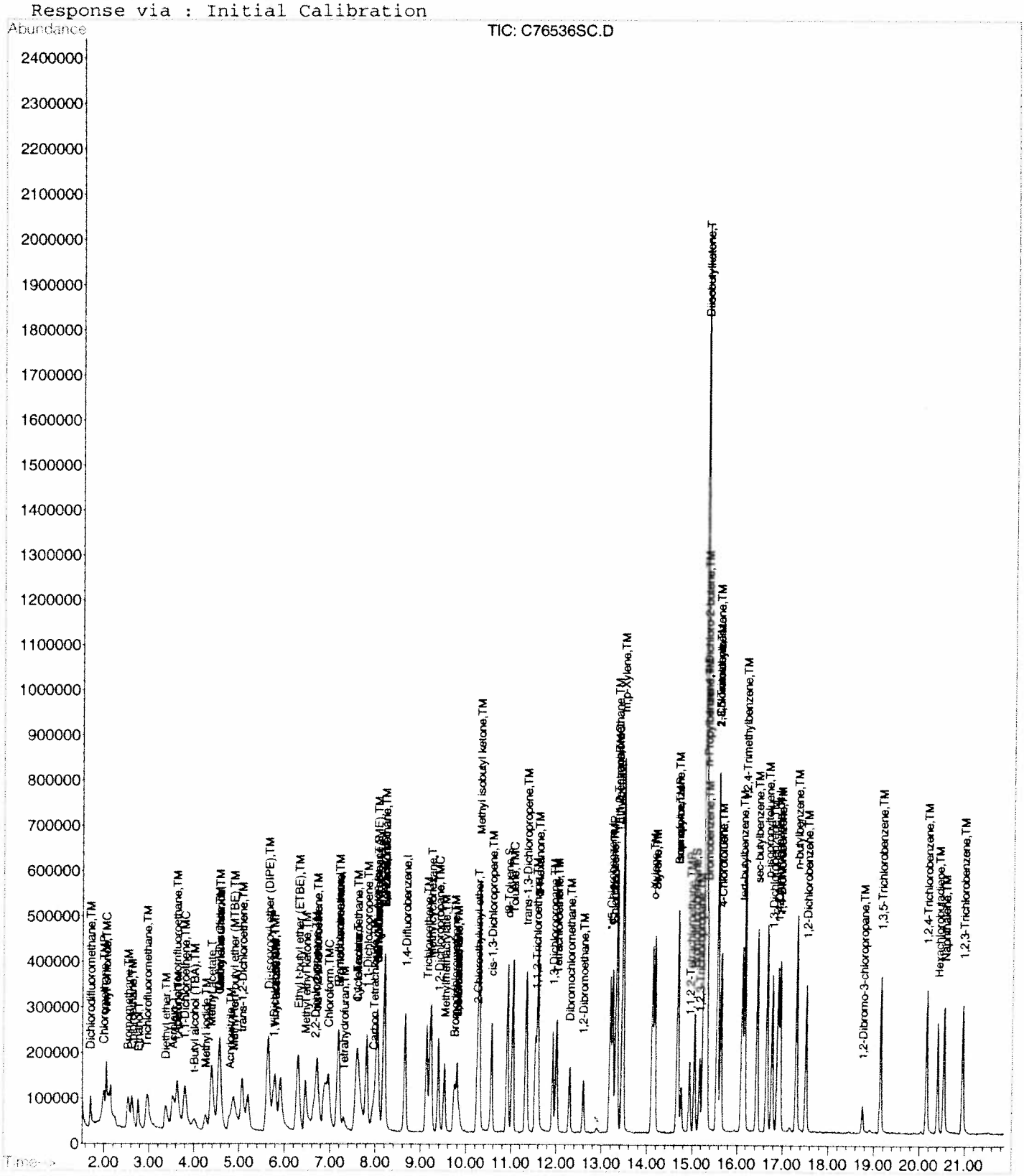
Quant Method : C:\HPCHEM\1...\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration
DataAcq Meth : V808100C

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44) Cyclohexane	7.59	56	221029	22.57 ug/L	96
45) Bromodichloromethane	9.74	83	142803	20.50 ug/L	99
46) Dibromomethane	9.80	93	85278	22.05 ug/L	99
47) 1,4-Dioxane	9.79	88	35421	475.96 ug/L	99
48) Methylcyclohexane	9.21	83	194488	22.00 ug/L	98
50) 2-Chloroethylvinyl ether	10.23	63	68459	20.18 ug/L	100
51) 2-Hexanone	11.59	58	236595	95.53 ug/L	99
52) Methyl isobutyl ketone	10.28	58	247421	97.47 ug/L	100
53) cis-1,3-Dichloropropene	10.56	75	185424	20.14 ug/L	98
55) Toluene	11.03	92	269638	20.37 ug/L	97
56) trans-1,3-Dichloropropene	11.32	75	166704	19.26 ug/L	97
58) 1,1,2-Trichloroethane	11.54	83	86292	20.14 ug/L	97
59) 1,3-Dichloropropane	11.92	76	176115	18.91 ug/L	98
60) Tetrachloroethene	12.01	166	115982	18.33 ug/L	99
61) Dibromochloromethane	12.29	129	120237	18.88 ug/L	99
62) 1,2-Dibromoethane	12.59	107	122927	18.65 ug/L	97
64) Chlorobenzene	13.24	112	307947	19.55 ug/L	99
65) 1,1,1,2-Tetrachloroethane	13.31	131	107336	19.71 ug/L	98
66) Ethylbenzene	13.33	91	488387	19.82 ug/L	99
67) m,p-Xylene	13.46	106	396387	39.44 ug/L	100
68) o-Xylene	14.12	106	191885	19.78 ug/L	97
69) Styrene	14.17	104	340356	20.05 ug/L	98
70) Bromoform	14.66	173	69128	18.42 ug/L	97
71) Isopropylbenzene	14.68	105	503040	19.90 ug/L	99
72) 1,1,2,2-Tetrachloroethane	14.94	83	137930	18.45 ug/L	98
74) 1,2,3-Trichloropropane	15.16	75	101912	19.83 ug/L	99
75) trans-1,4-Dichloro-2-buten	15.29	89	38618	19.96 ug/L	99
76) n-Propylbenzene	15.30	91	586553	19.72 ug/L	100
77) Bromobenzene	15.33	156	112438	19.78 ug/L	99
78) 1,3,5-Trimethylbenzene	15.55	105	402320	20.34 ug/L	99
79) 2-Chlorotoluene	15.56	91	370862	20.52 ug/L	97
80) 4-Chlorotoluene	15.64	91	337488	19.76 ug/L	98
81) tert-butylbenzene	16.10	119	336478	19.18 ug/L	99
82) 1,2,4-Trimethylbenzene	16.16	105	420230	19.83 ug/L	99
83) Diisobutylketone	15.25	57	1525909	101.77 ug/L	98
84) sec-butylbenzene	16.44	105	555410	19.84 ug/L	99
85) p-isopropyltoluene	16.65	119	439259	19.61 ug/L	98
86) 1,3-Dichlorobenzene	16.77	146	204001	19.71 ug/L	98
88) 1,4-Dichlorobenzene	16.94	146	209255	19.48 ug/L	100
89) n-butylbenzene	17.30	91	415190	19.84 ug/L	97
90) 1,2-Dichlorobenzene	17.51	146	191178	19.81 ug/L	94
92) 1,2-Dibromo-3-chloropropan	18.75	75	22306	18.04 ug/L	94
94) 1,2,4-Trichlorobenzene	20.15	180	149782	20.34 ug/L	96
95) Hexachlorobutadiene	20.40	225	72578	19.86 ug/L	93
96) Naphthalene	20.55	128	354227	19.82 ug/L	99
97) 1,2,3-Trichlorobenzene	20.95	180	134660	20.63 ug/L	100
98) 1,3,5-Trichlorobenzene	19.15	180	163579	20.95 ug/L	98

(#) = qualifier out of range (m) = manual integration
C76536SC.D V808100C.M Sat Oct 16 12:59:47 2010

Data File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D Vial: 3
Acq On : 15 Oct 2010 12:03 pm Operator: MT
Sample : 20 PPB Inst : Instr_C
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Oct 16 12:57 2010 Quant Results File: V808100C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V808100C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Fri Oct 15 13:11:08 2010
Response via : Initial Calibration



VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
TED PURGE (Y/N): N

SDG: 68000

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
Upper Limit	393962		7.15		774998		8.65		686338		13.18		299682		16.90	
Lower limit	98491		7.03		193750		8.53		171585		13.06		74921		16.78	
SAMPLE ID																
0.2 PPB	195858		7.10		379188		8.59		335209		13.11		150145		16.83	
0.5 PPB	197160		7.10		377545		8.59		336495		13.11		150633		16.83	
1.0 PPB	198221		7.10		390972		8.59		340345		13.12		151939		16.84	
2.0 PPB	201313		7.10		385421		8.59		340024		13.12		151871		16.84	
5.0 PPB	191436		7.10		377072		8.59		326733		13.11		146462		16.83	
20.0 PPB	196981		7.09		387499		8.59		343169		13.12		149841		16.84	
50.0 PPB	187674		7.10		375824		8.59		333454		13.12		146646		16.83	
100.0 PPB	212825		7.10		426996		8.59		369802		13.12		156214		16.84	
20 PPB ICV	136751		7.09		264160		8.59		237302		13.12		105646		16.84	
20 PPB ICV2	197193		7.10		389939		8.59		341660		13.12		149620		16.84	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\DATA\081010-C\C75996T.D
Tune Time : 10 Aug 2010 11:05 am

Daily Calibration File : C:\HPCHEM\1\DATA\DATA\081010-C\C76002SI.D

						196981	387499	343169
					OL 08.11.10	149841	vmt 8/11/10	

File	Sample	Surrogate Recovery %				Internal Standard Responses		
C75997SI.D	0.2 PPB	105	105	89	80	195858	379188	335209
				150145				
C75998SI.D	0.5 PPB	104	103	90	78	197160	377545	336495
				150633				
C75999SI.D	1.0 PPB	108	108	88	79	198221	390972	340345
				151939				
C76000SI.D	2.0 PPB	103	103	89	80	201313	385421	340024
				151871				
C76001SI.D	5.0 PPB	106	106	88	80	191436	377072	326733
				146462				
C76002SI.D	20.0 PPB	110	110	89	80	196981	387499	343169
				149841				
C76003SI.D	50.0 PPB	106	105	89	78	187674	375824	333454
				146646				
C76004SI.D	100.0 PP	100	100	87	77	212825	426996	369802
				156214				
C76006CC.D	20 PPB I	99	99	103	103	136751	264160	237302
				105646				
C76007CC.D	20 PPB I	101	102	100	100	197193	389939	341660
				149620				

t - fails 12hr time check * - fails criteria

Created: Wed Aug 11 09:49:34 2010 Instr_C

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
TED PURGE (Y/N): N

SDG:

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	175768		7.17		342673		8.66		302905		13.18		133673		16.89	
Upper Limit	351536		7.23		685346		8.72		605810		13.24		267346		16.95	
Lower limit	87884		7.11		171337		8.60		151453		13.12		66837		16.83	
SAMPLE ID																
LS10150C,RR	195969		7.16		404249		8.66		348645		13.18		148477		16.89	
LS10150C2,RR	205315		7.16		413759		8.65		356530		13.18		149358		16.90	
MB10150C	200271		7.16		403505		8.65		349041		13.18		143402		16.89	
68000-4	201165		7.16		414594		8.65		356612		13.18		145607		16.89	
68000-1	205767		7.16		420128		8.65		354539		13.17		145172		16.89	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\DATA\101510-C\C76534T.D
Tune Time : 15 Oct 2010 11:11 am

Daily Calibration File : C:\HPCHEM\1\DATA\DATA\101510-C\C76536SC.D

175768 342673 302905

133673

File	Sample	Surrogate Recovery %				Internal Standard Responses		
C76539Q.D	LS10150C	95	95	100	102	195969	404249	348645
				148477				
C76540Q.D	LS10150C	88	88	100	99	205315	413759	356530
				149358				
C76541.D	BROMOFOR	98	98	104	101	173049	338033	301632
				133208				
C76542.D	MB10150C	90	91	98	97	200271	403505	349041
				143402				
C76543.D	67967-5	106	106	112	115	184345	372482	319604
				131649				
C76544.D	68000-4	100	100	105	106	201165	414594	356612
				145607				
C76545.D	67967-1	105	105	115	111	196227	397950	342980
				138843				
C76546.D	67967-2	107	107	110	111	196414	411257	348367
				142826				
C76547.D	67967-3	99	99	108	108	203168	408232	347769
				141893				
C76548.D	67967-4	94	93	102	102	198732	406028	347481
				143360				
C76549.D	68000-1	96	96	104	104	205767	420128	354539
				145172				
C76550.D	67958-1	94	94	102	102	176560	346782	303445
				125756				
C76551.D	67959-1	96	95	101	97	170679	340241	300560
				127840				
C76552.D	67960-1	95	95	32*	97	167968	322581	284819
				126483	RR 10x			
C76553.D	67995-1,	88	88	102	97	202579	384672	335732
				148001				
C76554.D	67995-2	96	96	103	100	174653	338770	300012
				132753				
C76555.D	67996-1,	89	89	101	100	196973	376052	323736
				141648				
C76556.D	t68018-1	94	93	102	103	172839	335121	294072
	RR			128851				
C76557.D	t68018-1,	98	98	102	97	164659	331886	294452
				124995				
C76558.D	t68018-1,	94	94	101	100	172808	335641	297067
				130283				

t - fails 12hr time check

VOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: B
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge(Y/N): N

SDG: 68000

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#
20 PPB	131562		7.77		332486		8.78		280619		12.83		100516		16.19	
Upper Limit	263124		7.83		664972		8.84		561238		12.89		201032		16.25	
Lower limit	65781		7.71		166243		8.72		140310		12.77		50258		16.13	
SAMPLE ID																
0.2 PPB	137196		7.77		347899		8.78		294422		12.83		104347		16.19	
0.5 PPB	132390		7.77		335352		8.79		287864		12.83		100675		16.19	
1.0 PPB	131110		7.78		334161		8.78		280453		12.83		99182		16.20	
2.0 PPB	135359		7.77		337618		8.79		284557		12.83		100151		16.20	
5.0 PPB	132091		7.77		334108		8.78		278967		12.83		95780		16.20	
50 PPB	136074		7.78		345740		8.78		298044		12.82		107752		16.20	
100 PPB	134469		7.77		338085		8.78		296974		12.83		111237		16.20	
20 PPB ICV3/L810180B3	145539		7.77		368053		8.79		318228		12.83		110766		16.20	
20 PPB ICV4/L810180B4	148722		7.77		370057		8.78		313871		12.83		111689		16.20	
B810180B	142100		7.78		355457		8.78		303643		12.83		105383		16.20	
68000-3	132678		7.77		340085		8.79		289424		12.83		101538		16.19	
68000-2	127102		7.78		326323		8.78		273456		12.83		95827		16.20	

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = *d5-Chlorobenzene
IS 4 = 1,4-Dichlorobenzene-d4

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

VOA FORM 8

GC/MS QA/QC Check Report

Tune File : C:\HPCHEM\1\DATA\101810-B\B74533T.D
Tune Time : 18 Oct 2010 9:51 am

Daily Calibration File : C:\HPCHEM\1\DATA\101810-B\B74539SI.D

AD 10/19/10

						131562	332486	280619	
						100516			
File	Sample	Surrogate Recovery %				Internal Standard Responses			
B74534SI.D	0.2 PPB	106	106	100	101	137196	347899	294422	
				104347					
B74535SI.D	0.5 PPB	108	108	102	101	132390	335352	287864	
				100675					
B74536SI.D	1.0 PPB	110	110	101	103	131110	334161	280453	
				99182					
B74537SI.D	2.0 PPB	108	108	103	101	135359	337618	284557	
				100151					
B74538SI.D	5.0 PPB	110	110	101	102	132091	334108	278967	
				95780					
B74540SI.D	50 PPB	104	104	102	100	136074	345740	298044	
				107752					
B74541SI.D	100 PPB	100	100	103	101	134469	338085	296974	
				111237					
B74546CC.D	20 PPB I	95	95	99	99	145539	368053	318228	
				110766					
B74547CC.D	20 PPB I	95	95	98	100	148722	370057	313871	
				111689					
B74549.D	BROMOFOR	99	99	100	97	146499	367839	316505	
				111241					
B74550.D	B810180B	100	100	101	100	142100	355457	303643	
				105383					
B74551.D	67980-16	101	101	100	101	138138	351292	296739	
				104645					
B74552.D	68000-3	103	103	99	100	132678	340085	289424	
				101538					
B74553.D	67980-13	103	103	101	101	132448	340811	290699	
				100499					
B74554.D	67980-14	104	104	100	101	130192	333947	280748	
				98065					
B74555.D	68000-2	104	104	100	100	127102	326323	273456	
				95827					
B74556.D	68038-16	103	103	100	98	128393	325421	275272	
				96735					
B74557.D	68006-5,	101	101	100	102	130651	333179	277830	
				100556					
B74558.D	68006-5,	99	99	100	102	130760	326888	278627	
				98761					

t - fails 12hr time check * - fails criteria

VMT 10/19/10

Created: Tue Oct 19 07:51:45 2010 Instrumen

analytics environmental laboratory LLC

SEMI-VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: B101210AW RR
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/12/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: LAB QC

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/L	Result µg/L	COMPOUND	Detection Limit µg/L	Result µg/L
Acenaphthene	2	U	2,4-dinitrophenol	5	U
Acenaphthylene	2	U	2,4-Dinitrotoluene	2	U
Anthracene	2	U	2,6-Dinitrotoluene	2	U
Benzo[a]anthracene	2	U	di-n-octyl-phthalate	2	U
Benzo[b] fluoranthene	2	U	Fluoranthene	2	U
Benzo[k] fluoranthene	2	U	Fluorene	2	U
Benzo(g,h,i) perylene	2	U	Hexachlorobenzene	2	U
Benzo[a] pyrene	2	U	Hexachlorobutadiene	2	U
Bis(2-chloroethoxy)methane	2	U	Hexachloroethane	2	U
bis(2-chloroethyl) ether	2	U	Indeno [1,2,3-cd] pyrene	2	U
bis(2-chloroisopropyl)ether	2	U	Isophorone	2	U
Bis (2-ethylhexyl) phthalate	2	**7**	2-Methylnaphthalene	2	U
4-bromophenyl phenyl ether	2	U	2-Methylphenol	5	U
Butyl benzyl phthalate	2	U	3+4-Methylphenol	5	U
4-Chloroaniline	2	U	Naphthalene	2	U
2-Chloronaphthalene	2	U	Nitrobenzene	2	U
2-Chlorophenol	5	U	2-Nitrophenol	5	U
Chrysene	2	U	4-Nitrophenol	5	U
Dibenz [a,h] anthracene	2	U	Pentachlorophenol	10	U
Dibenzofuran	2	U	Phenanthrene	2	U
Di-n-butyl phthalate	2	U	Phenol	5	U
1,2-Dichlorobenzene	2	U	Pyrene	2	U
1,3-Dichlorobenzene	2	U	1,2,4-Trichlorobenzene	2	U
1,4-Dichlorobenzene	2	U	2,4,5-Trichlorophenol	5	U
3,3'-Dichlorobenzidine	20	U	2,4,6-Trichlorophenol	5	U
2,4-Dichlorophenol	5	U	Acetophenone	5	U
Diethyl Phthalate	2	U	Azobenzene	2	U
2,4-Dimethylphenol	5	U			
Dimethyl Phthalate	2	U			
Aniline	2	U			

Surrogate Standard Recovery

2-Fluorophenol	51	%	d5-Phenol	38	%	d5-nitrobenzene	79	%
2-Fluorobiphenyl	84	%	2,4,6-Tribromophenol	92	%	d14-p-terphenyl	84	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS:

8270 MCP(63)

Authorized signature

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36196B.D
Acq On : 15 Oct 2010 4:53 am
Operator : AR/MG
Sample : B101210AW,,RR
Misc :
ALS Vial : 3 Sample Multiplier: 1

10/17/10

Quant Time: Oct 17 23:08:58 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	402266	40.00 ug/ml	0.00
19) d8-Naphthalene	5.255	136	1176616	40.00 ug/ml	0.00
35) d10-Acenaphthene	6.976	164	691001	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.403	188	1201724 ✓	40.00 ug/ml	0.00
71) d12-Chrysene	10.948	240	1260922	40.00 ug/ml	0.00
79) d12-Perylene	12.397	264	1084559	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	2.594	112	452826	38.50 ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 51.33%		
5) d5-Phenol	3.642	99	394509	28.73 ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 38.31%		
20) d5-nitrobenzene	4.545	82	401583	39.55 ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 79.10%		
39) 2-Fluorobiphenyl	6.347	172	913866	41.94 ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 83.88%		
60) 2,4,6-Tribromophenol	7.743	330	257390	69.23 ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 92.31%		
73) d14-p-terphenyl	9.970	244	966940	42.14 ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 84.28%		

Target Compounds					Qvalue
34) 2-Methylnaphthalene	5.975	141	783	0.04 ug/ml#	69
44) Acenaphthylene	6.836	152	376	0.01 ug/ml#	59
45) 3-Nitroaniline	6.976	138	122	0.02 ug/ml#	1
48) Dibenzofuran	7.180	168	339	0.01 ug/ml#	64
52) Fluorene	7.510	166	297	0.01 ug/ml#	75
53) Diethyl Phthalate	7.452	149	2491	0.10 ug/ml#	87
NT 59) Biphenyl	6.437	154	1826	Below Cal #	82
68) Di-n-butyl phthalate	9.038	149	3579	0.08 ug/ml#	93
78) Bis (2-ethylhexyl) pht...	11.046	149	171983	6.70 ug/ml	100

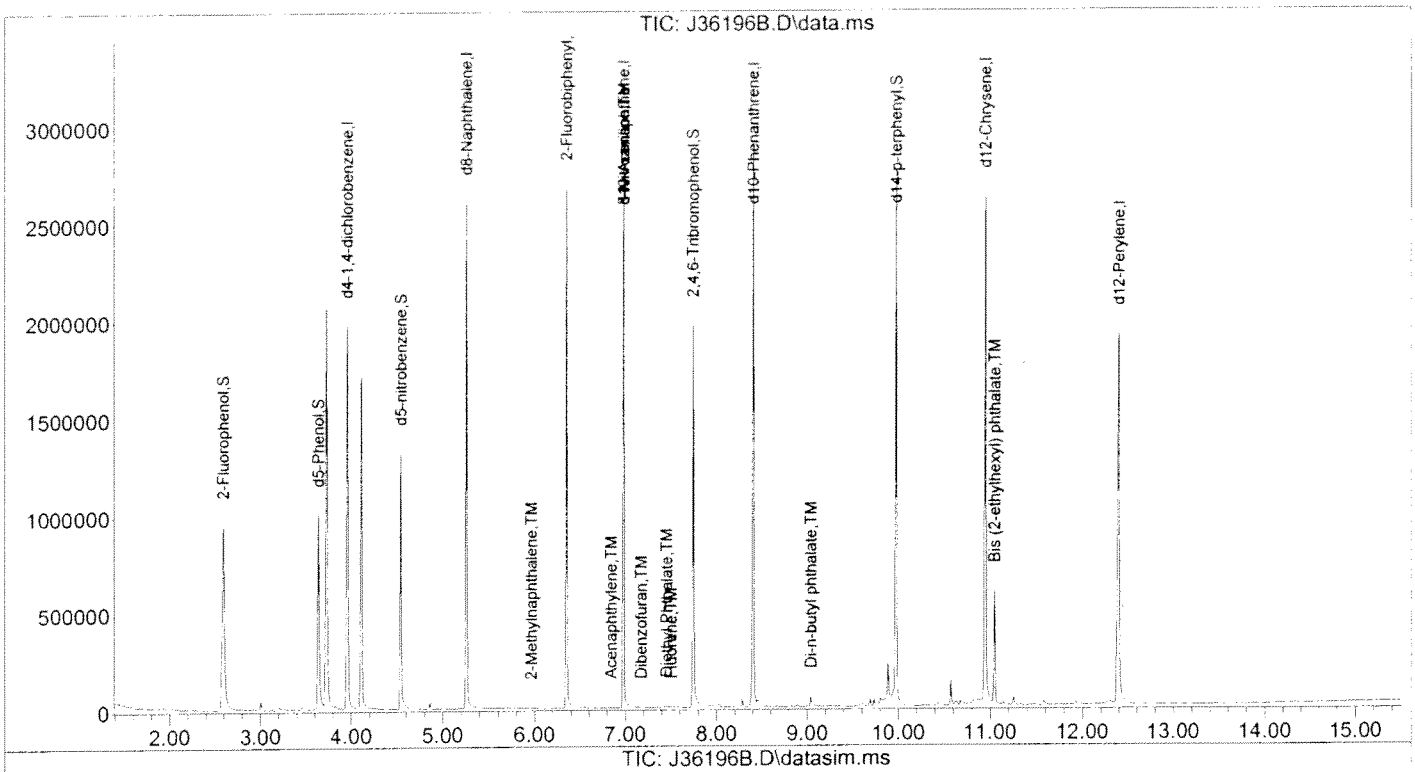
(#) = qualifier out of range (m) = manual integration (+) = signals summed

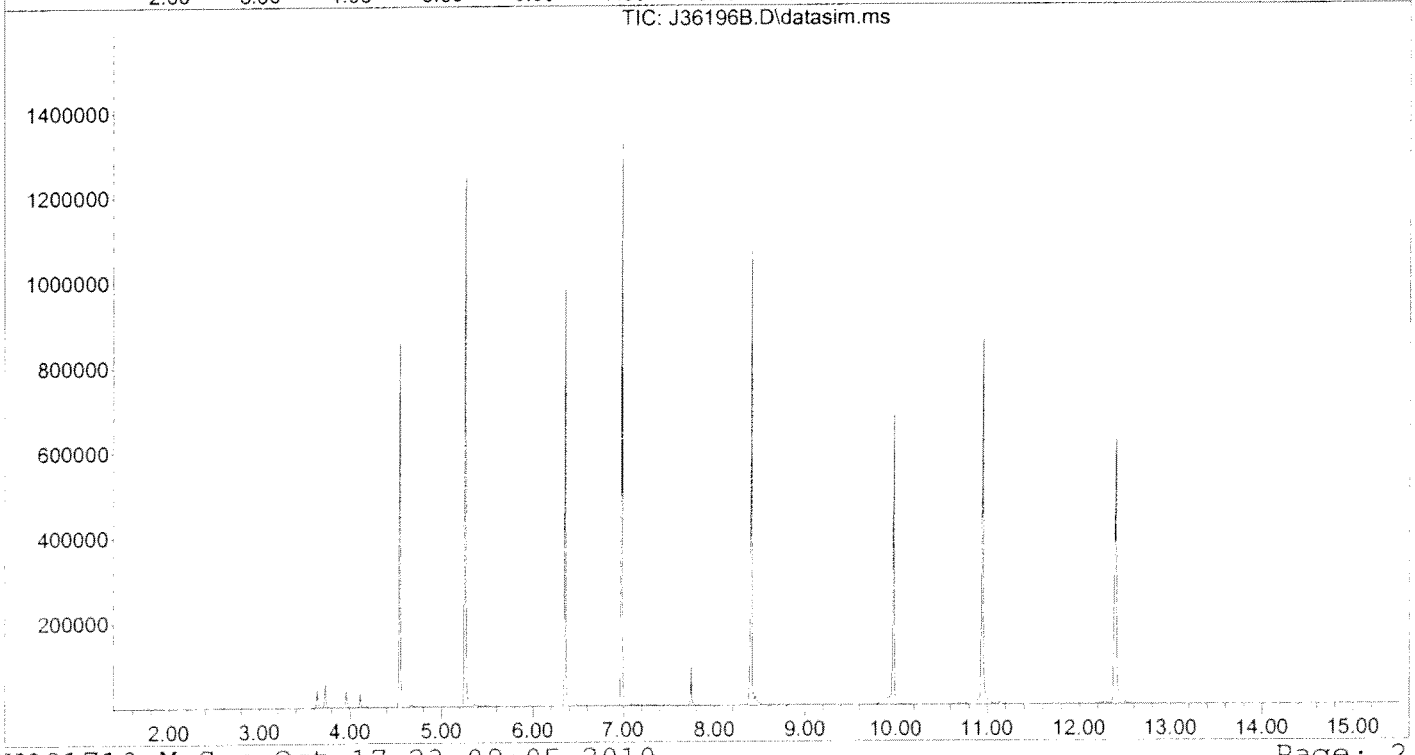
5101810

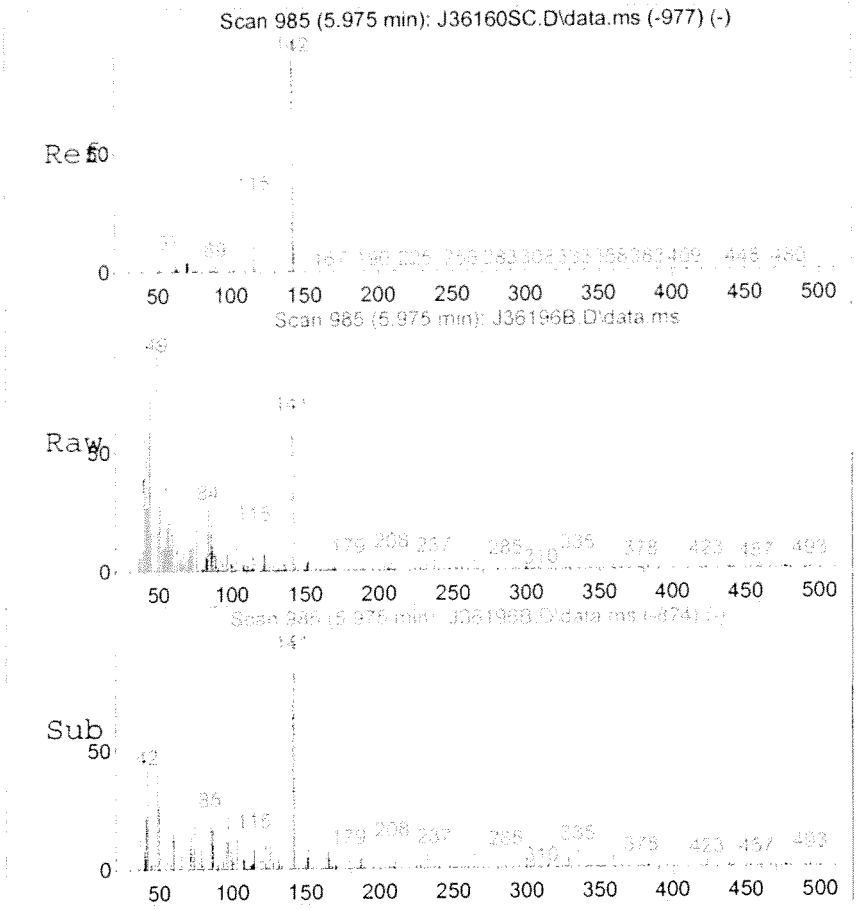
low DL for DOD

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36196B.D
Acq On : 15 Oct 2010 4:53 am
Operator : AR/MG
Sample : B101210AW,,RR
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 17 23:08:58 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration



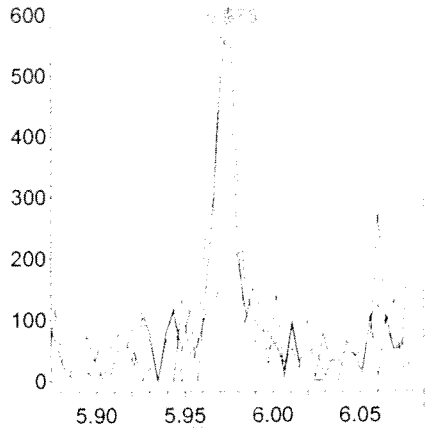


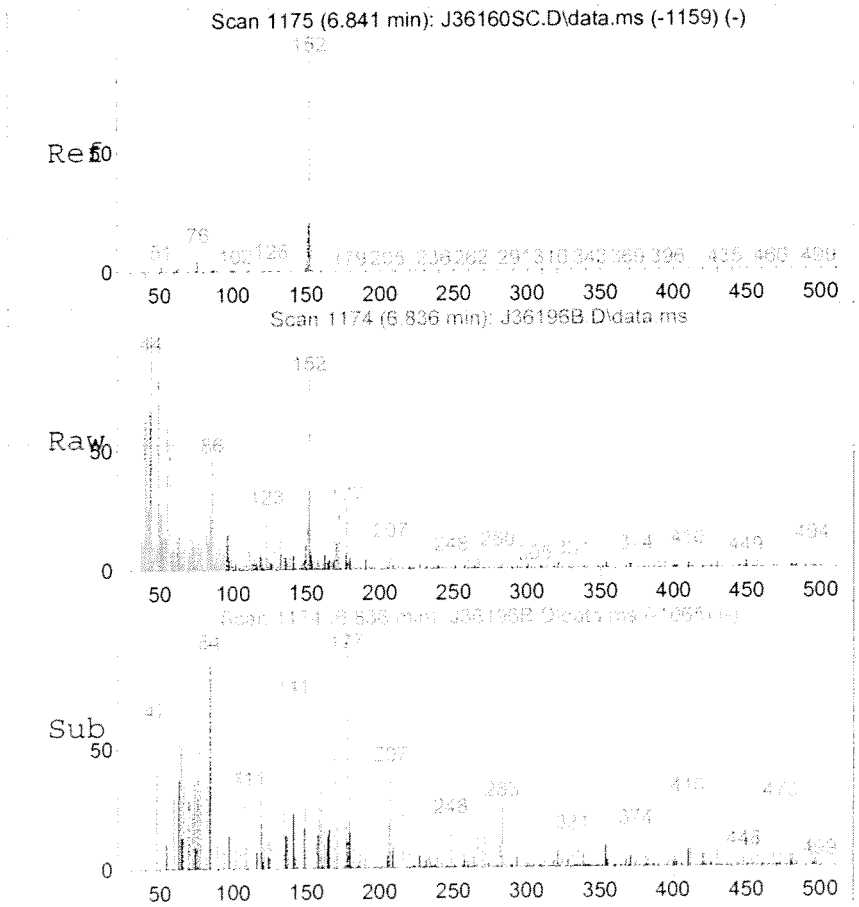


#34 ✓
2-Methylnaphthalene
Concen: 0.04 ug/ml
RT: 5.975 min Scan# 985
Delta R.T. 0.005 min
Lab File: J36196B.D
Acq: 15 Oct 2010 4:53 am

Tgt Ion:141 Resp: 783

Ion	Ratio	Lower	Upper
141	100		
142	74.5	92.2	138.4#
115	42.1	29.6	44.4

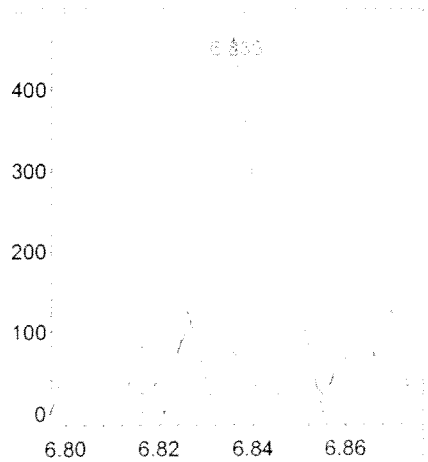


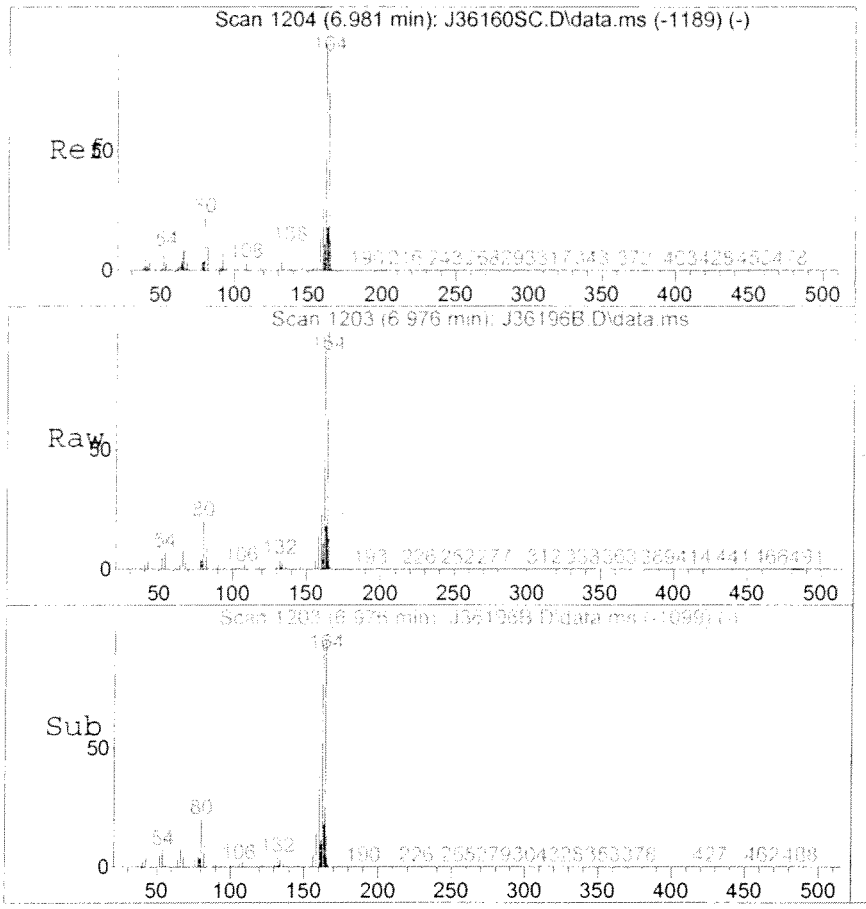


#44 ✓
Acenaphthylene
Concen: 0.01 ug/ml
RT: 6.836 min Scan# 1174
Delta R.T. 0.000 min
Lab File: J36196B.D
Acq: 15 Oct 2010 4:53 am

Tgt Ion:152 Resp: 376

Ion	Ratio	Lower	Upper
152	100		
76	27.9	9.6	14.4#

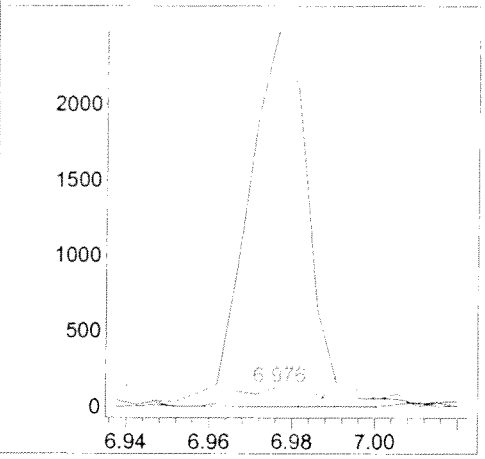


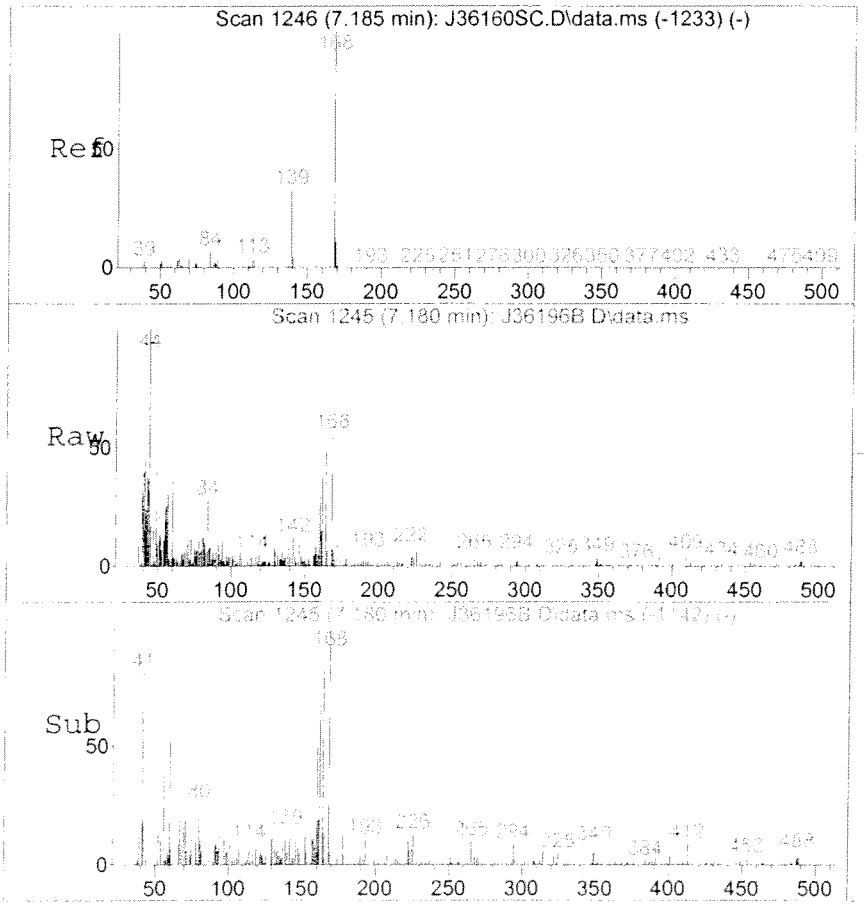


#45 ✓
3-Nitroaniline
Concen: 0.02 ug/ml
RT: 6.976 min Scan# 1203
Delta R.T. -0.010 min
Lab File: J36196B.D
Acq: 15 Oct 2010 4:53 am

Tgt Ion:138 Resp: 122

Ion	Ratio	Lower	Upper
138	100		
65	116.4	102.5	153.7
92	2023.8	73.0	109.6#

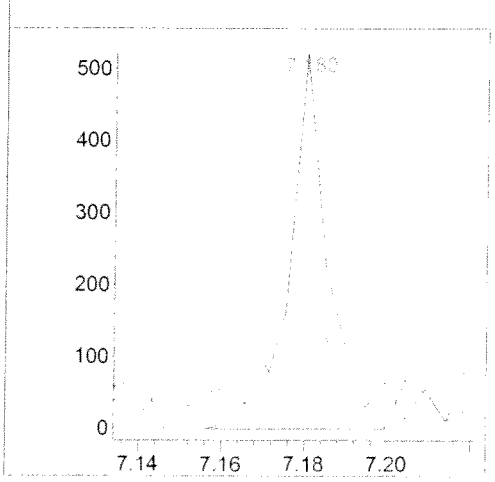


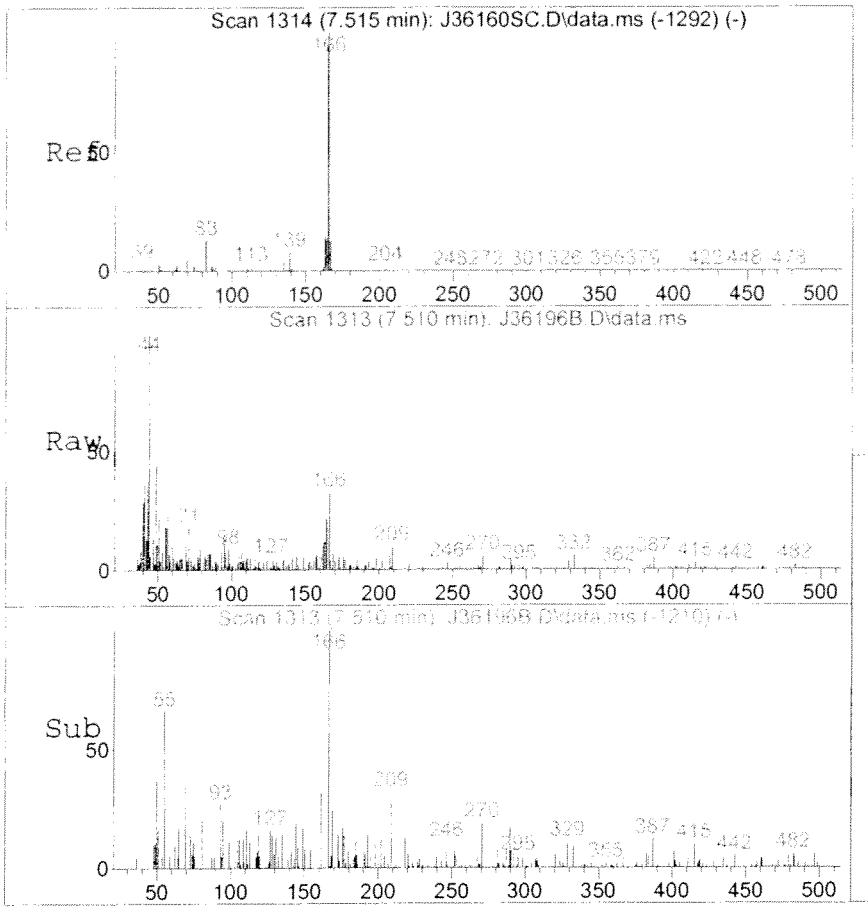


#48 ✓
Dibenzofuran
Concen: 0.01 ug/ml
RT: 7.180 min Scan# 1245
Delta R.T. 0.000 min
Lab File: J36196B.D
Acq: 15 Oct 2010 4:53 am

Tgt Ion:168 Resp: 339

Ion	Ratio	Lower	Upper
168	100		
139	58.7	29.8	44.8#

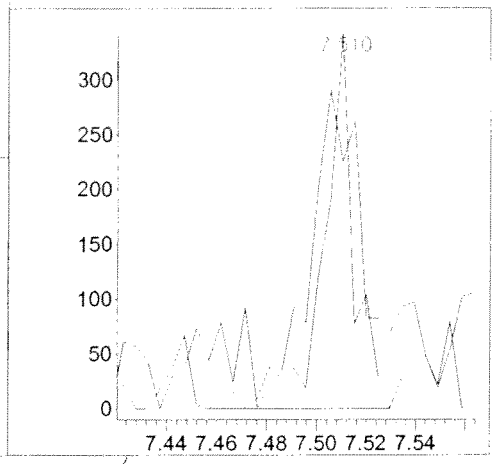


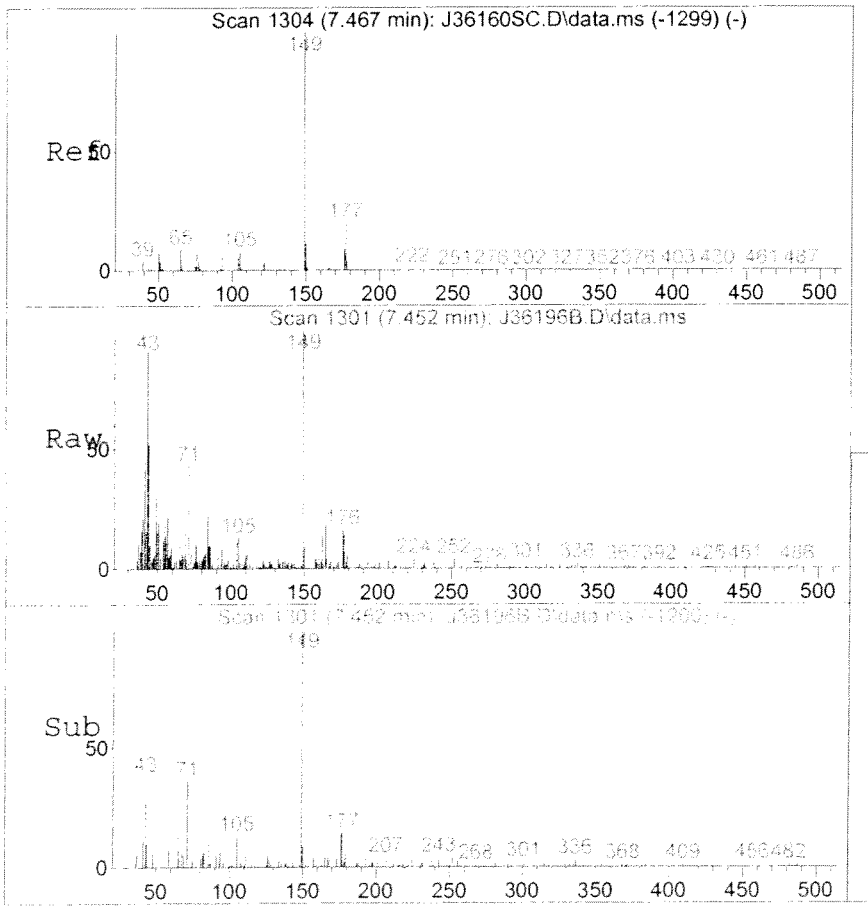


#52 ✓
Fluorene
Concen: 0.01 ug/ml
RT: 7.510 min Scan# 1313
Delta R.T. 0.000 min
Lab File: J36196B.D
Acq: 15 Oct 2010 4:53 am

Tgt Ion:166 Resp: 297

Ion	Ratio	Lower	Upper
166	100		
165	118.9	75.4	113.2#

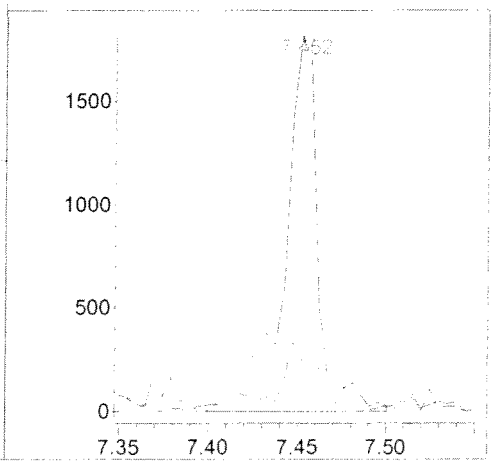


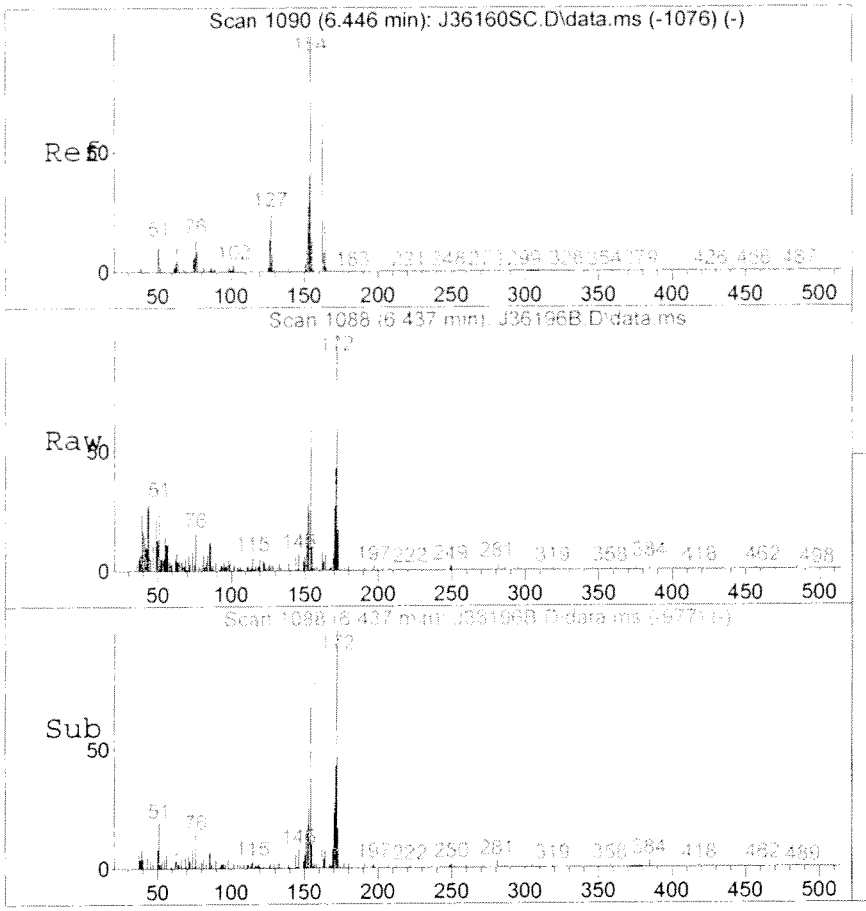


#53 ✓
Diethyl Phthalate
Concen: 0.10 ug/ml
RT: 7.452 min Scan# 1301
Delta R.T. -0.010 min
Lab File: J36196B.D
Acq: 15 Oct 2010 4:53 am

Tgt Ion:149 Resp: 2491

Ion	Ratio	Lower	Upper
149	100		
177	13.0	15.1	22.7#

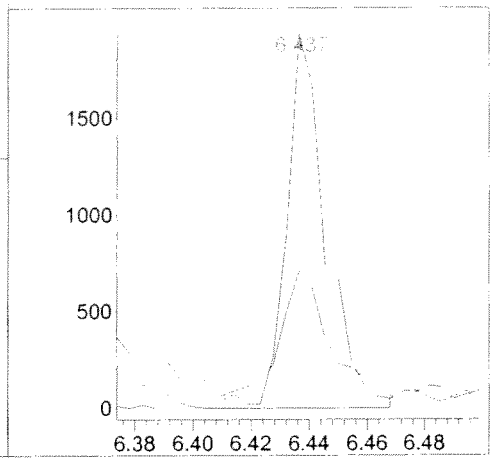


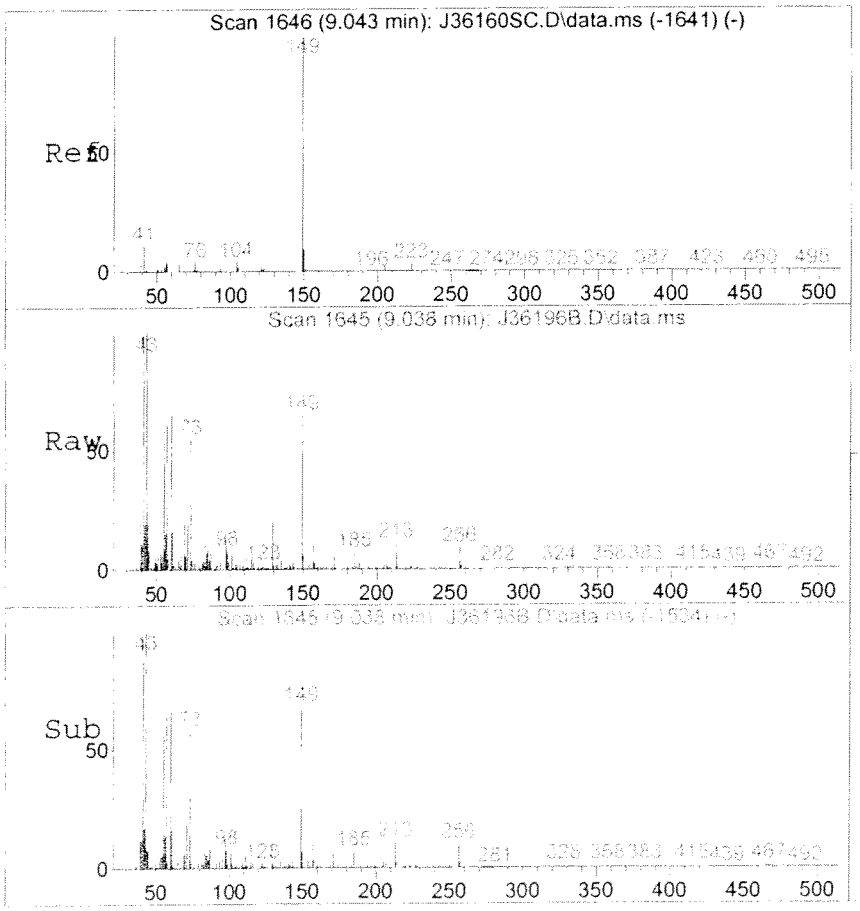


#59 ✓ NT
Biphenyl
Concen: Below Cal
RT: 6.437 min Scan# 1088
Delta R.T. -0.004 min
Lab File: J36196B.D
Acq: 15 Oct 2010 4:53 am

Tgt Ion:154 Resp: 1826

Ion	Ratio	Lower	Upper
154	100		
153	51.4	32.1	48.1#

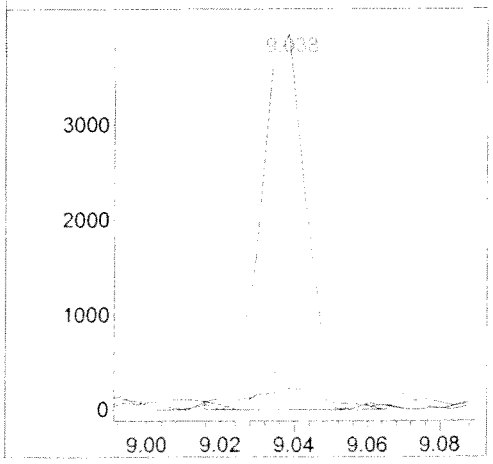


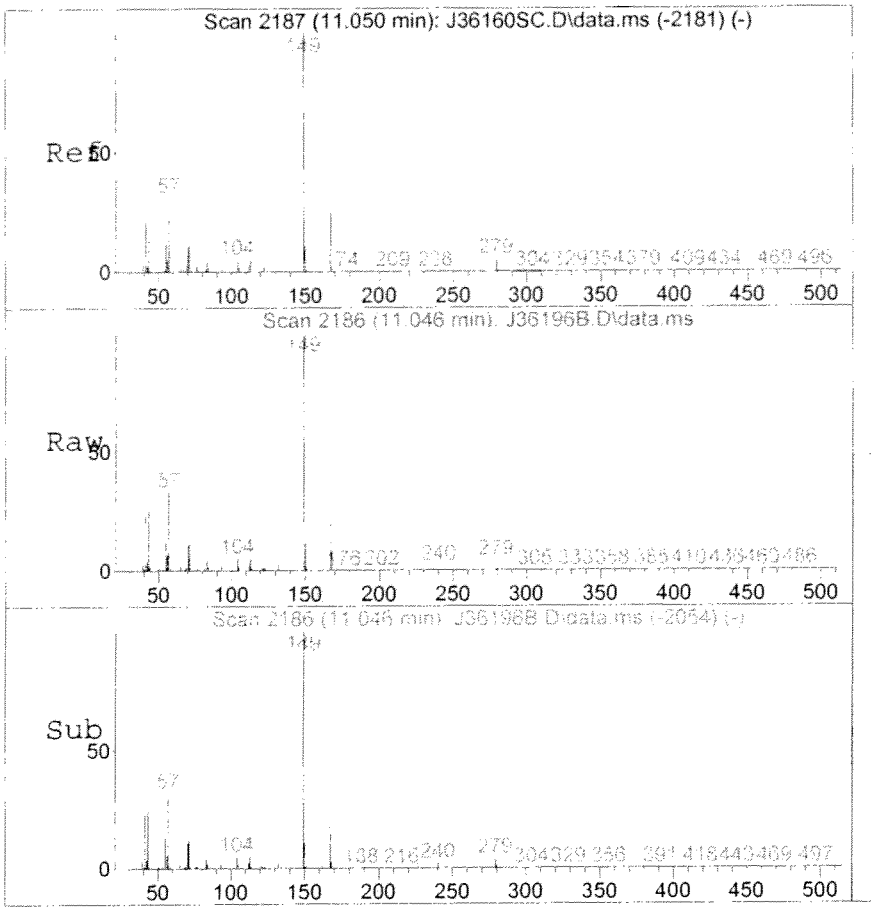


#68 ✓
Di-n-butyl phthalate
Concen: 0.08 ug/ml
RT: 9.038 min Scan# 1645
Delta R.T. 0.000 min
Lab File: J36196B.D
Acq: 15 Oct 2010 4:53 am

Tgt Ion:149 Resp: 3579

Ion	Ratio	Lower	Upper
149	100		
150	11.1	7.4	11.0#
104	7.4	3.2	4.8#

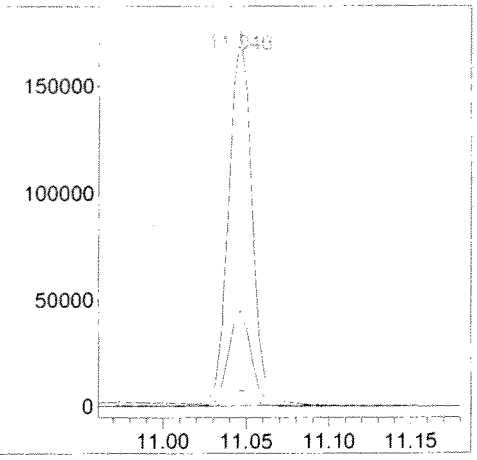




#78 ✓
Bis (2-ethylhexyl) phthalate
Concen: 6.70 ug/ml
RT: 11.046 min Scan# 2186
Delta R.T. 0.000 min
Lab File: J36196B.D
Acq: 15 Oct 2010 4:53 am

Tgt Ion:149 Resp: 171983

Ion	Ratio	Lower	Upper
149	100		
167	25.2	20.0	30.0
279	4.3	3.5	5.3



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36196B.D
Acq On : 15 Oct 2010 4:53 am
Operator : AR/MG
Sample : B101210AW,,RR
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 17 23:55:51 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	401791	40.00 ug/ml	0.02
19) d8-Naphthalene	5.255	136	1176616	40.00 ug/ml	0.01
35) d10-Acenaphthene	6.976	164	687530	40.00 ug/ml	0.01
61) d10-Phenanthrene	8.403	188	1201724	40.00 ug/ml	0.01
71) d12-Chrysene	10.948	240	1256992	40.00 ug/ml	0.02
79) d12-Perylene	12.397	264	1084559	40.00 ug/ml	0.02

System Monitoring Compounds					
4) 2-Fluorophenol	2.594	112	449898	38.26 ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 51.01%		
5) d5-Phenol	3.642	99	394509	28.76 ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 38.35%		
20) d5-nitrobenzene	4.545	82	401583	39.61 ug/ml	0.01
Spiked Amount 50.000	Range 45 - 107		Recovery = 79.22%		
39) 2-Fluorobiphenyl	6.347	172	899825	41.39 ug/ml	0.01
Spiked Amount 50.000	Range 44 - 102		Recovery = 82.78%		
60) 2,4,6-Tribromophenol	7.743	330	256119	69.65 ug/ml	0.01
Spiked Amount 75.000	Range 63 - 127		Recovery = 92.87%		
73) d14-p-terphenyl	9.970	244	965323	42.12 ug/ml	0.02
Spiked Amount 50.000	Range 33 - 132		Recovery = 84.24%		

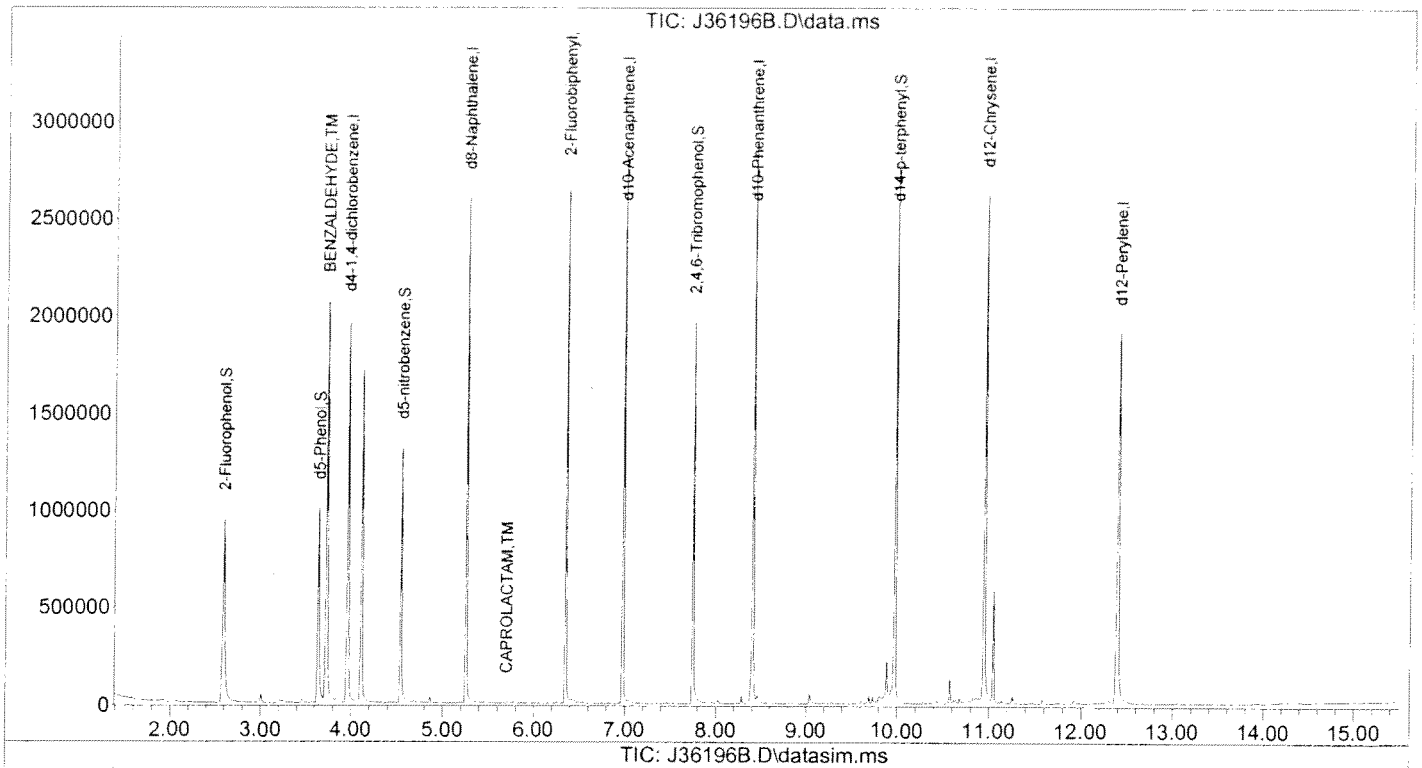
Target Compounds					Qvalue
2) BENZALDEHYDE	3.726	77	15651	2.06 ug/ml#	75
24) CAPROLACTAM	5.697	55	2089	0.26 ug/ml#	54
62) Octadecane	8.385	57	1290	Below Cal #	79

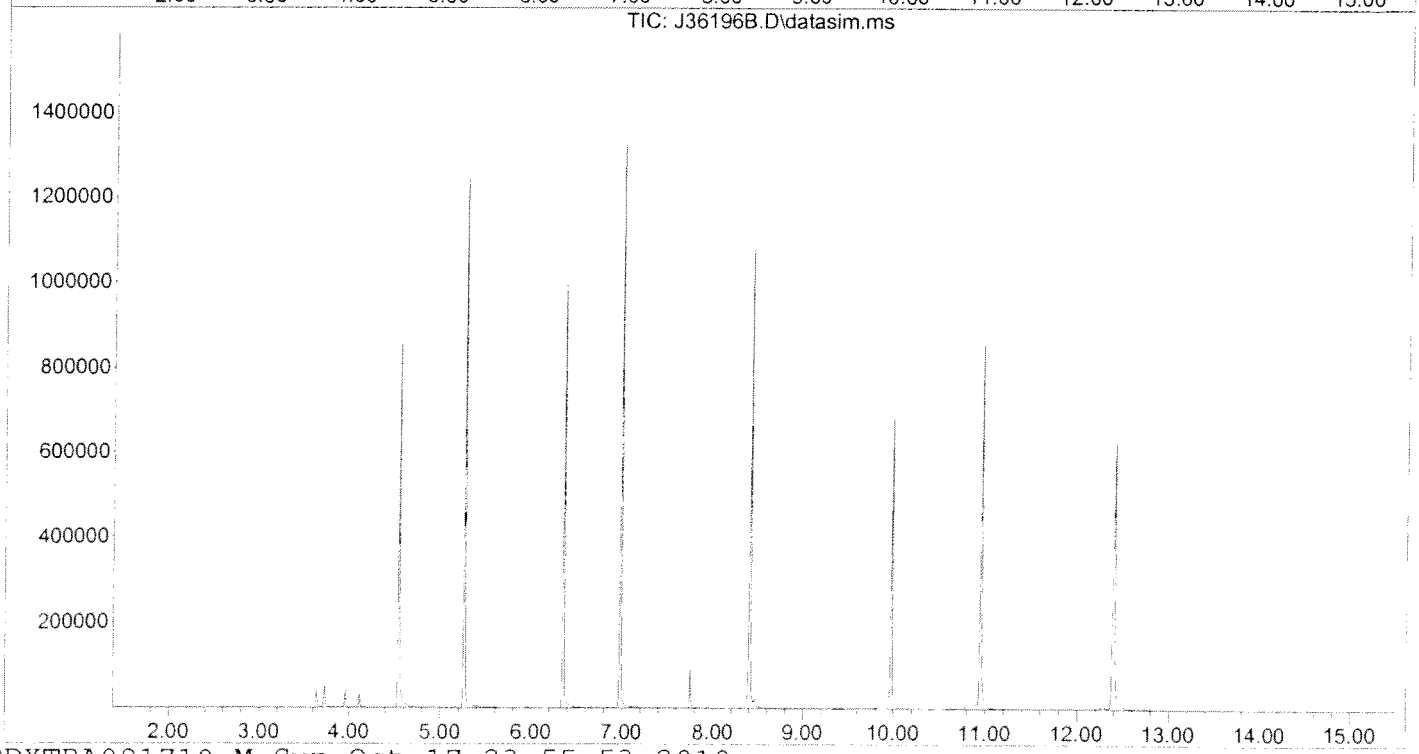
(#) = qualifier out of range (m) = manual integration (+) = signals summed

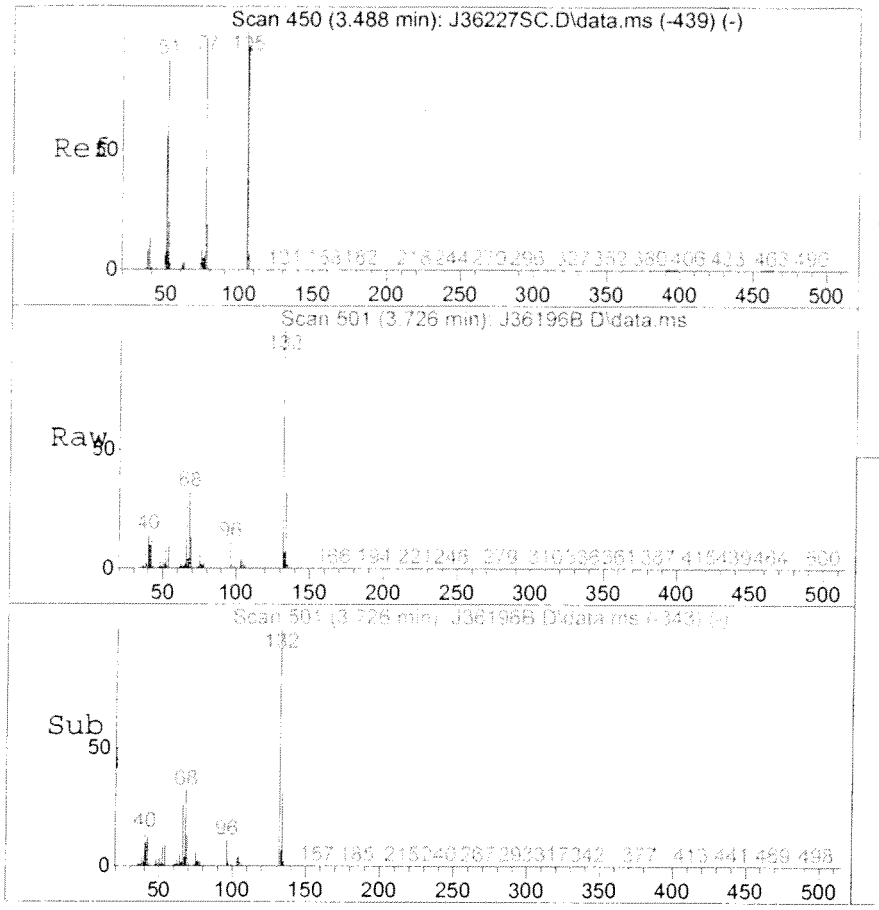
101810

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36196B.D
Acq On : 15 Oct 2010 4:53 am
Operator : AR/MG
Sample : B101210AW,,RR
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 17 23:55:51 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration



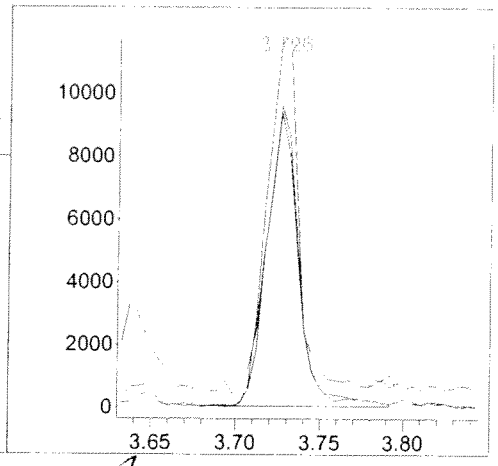


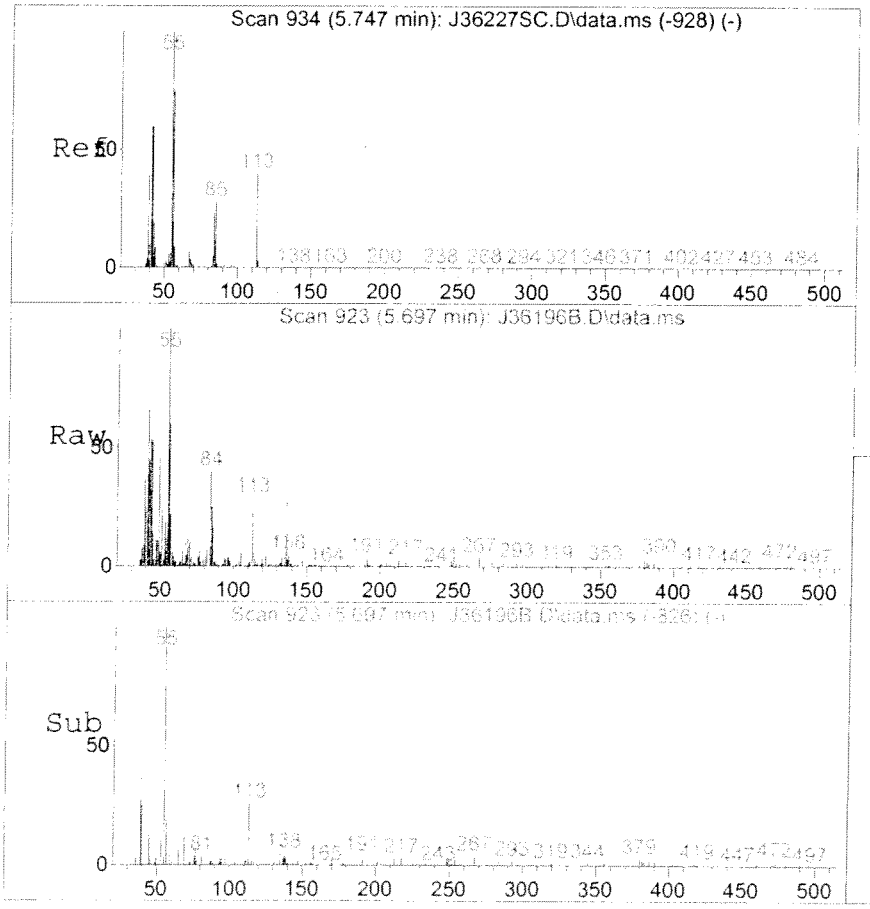


#2
BENZALDEHYDE
Concen: 2.06 ug/ml
RT: 3.726 min Scan# 501
Delta R.T. 0.239 min
Lab File: J36196B.D
Acq: 15 Oct 2010 4:53 am

Tgt Ion: 77 Resp: 15651

Ion	Ratio	Lower	Upper
77	100		
105	77.7	84.4	126.6#
51	73.7	76.0	114.0#

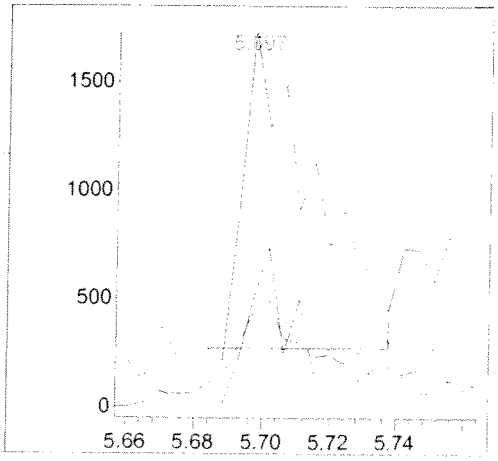




#24
CAPROLACTAM
Concen: 0.26 ug/ml
RT: 5.697 min Scan# 923
Delta R.T. -0.049 min
Lab File: J36196B.D
Acq: 15 Oct 2010 4:53 am

Tgt Ion: 55 Resp: 2089

Ion	Ratio	Lower	Upper
55	100		
113	0.0	20.6	30.8#
85	0.0	13.8	20.8#



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: 68000-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 10/08/10
Lab Receipt Date: 10/08/10
Extraction Date: 10/12/10
Analysis Date: 10/15/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: WC-B82-GP-01

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Detection Limit µg/L	Result µg/L	COMPOUND	Detection Limit µg/L	Result µg/L
Acenaphthene	2	U	2,4-dinitrophenol	5	U
Acenaphthylene	2	U	2,4-Dinitrotoluene	2	U
Anthracene	2	U	2,6-Dinitrotoluene	2	U
Benzo[a]anthracene	2	U	di-n-octyl-phthalate	2	U
Benzo[b] fluoranthene	2	U	Fluoranthene	2	U
Benzo[k] fluoranthene	2	U	Fluorene	2	U
Benzo(g,h,i) perylene	2	U	Hexachlorobenzene	2	U
Benzo[a] pyrene	2	U	Hexachlorobutadiene	2	U
Bis(2-chloroethoxy)methane	2	U	Hexachloroethane	2	U
bis(2-chloroethyl) ether	2	U	Indeno [1,2,3-cd] pyrene	2	U
bis(2-chloroisopropyl)ether	2	U	Isophorone	2	U
Bis (2-ethylhexyl) phthalate	2	**1 JB**	2-Methylnaphthalene	2	U
4-bromophenyl phenyl ether	2	U	2-Methylphenol	5	U
Butyl benzyl phthalate	2	U	3+4-Methylphenol	5	U
4-Chloroaniline	2	U	Naphthalene	2	U
2-Chloronaphthalene	2	U	Nitrobenzene	2	U
2-Chlorophenol	5	U	2-Nitrophenol	5	U
Chrysene	2	U	4-Nitrophenol	5	U
Dibenz [a,h] anthracene	2	U	Pentachlorophenol	10	U
Dibenzofuran	2	U	Phenanthrene	2	U
Di-n-butyl phthalate	2	U	Phenol	5	U
1,2-Dichlorobenzene	2	U	Pyrene	2	U
1,3-Dichlorobenzene	2	U	1,2,4-Trichlorobenzene	2	U
1,4-Dichlorobenzene	2	U	2,4,5-Trichlorophenol	5	U
3,3'-Dichlorobenzidine	20	U	2,4,6-Trichlorophenol	5	U
2,4-Dichlorophenol	5	U	Acetophenone	5	U
Diethyl Phthalate	2	U	Azobenzene	2	U
2,4-Dimethylphenol	5	U			
Dimethyl Phthalate	2	U			
Aniline	2	U			

Surrogate Standard Recovery

2-Fluorophenol	32	%	d5-Phenol	31	%	d5-nitrobenzene	74	%
2-Fluorobiphenyl	80	%	2,4,6-Tribromophenol	54	%	d14-p-terphenyl	70	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS:

Authorized signature

8270 MCP(63)

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36201.D
Acq On : 15 Oct 2010 6:38 am
Operator : AR/MG
Sample : 68000-2
Misc :
ALS Vial : 8 Sample Multiplier: 1

ΔE=1

PN 10/17/10

Quant Time: Oct 17 23:32:34 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	371474	40.00 ug/ml	0.00
19) d8-Naphthalene	5.255	136	1092509	40.00 ug/ml	0.00
35) d10-Acenaphthene	6.976	164	634103	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.403	188	1123907	40.00 ug/ml	0.00
71) d12-Chrysene	10.944	240	1099697	40.00 ug/ml	0.00
79) d12-Perylene	12.393	264	984478	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	2.599	112	258632	23.81 ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 31.75%		
5) d5-Phenol	3.642	99	292037	23.03 ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 30.71%		
20) d5-nitrobenzene	4.545	82	350370	37.16 ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 74.32%		
39) 2-Fluorobiphenyl	6.347	172	804689	40.06 ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 80.12%		
60) 2,4,6-Tribromophenol	7.743	330	138169	40.50 ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 54.00%		
73) d14-p-terphenyl	9.970	244	699695	34.96 ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 69.92%		

Target Compounds					Qvalue
53) Diethyl Phthalate	7.457	149	1479	0.07 ug/ml#	83
54) 4-Chlorophenyl phenyl ...	7.622	204	117	~~Below~~ Cal #	9
NT 59) Biphenyl	6.436	154	1192	~~Below~~ Cal #	75
68) Di-n-butyl phthalate	9.034	149	3177	0.08 ug/ml#	51
69) Fluoranthene	9.566	202	4996	0.14 ug/ml#	94
72) Pyrene	9.772	202	5667	0.15 ug/ml	98
75) Benzo[a]anthracene	10.944	228	4809	0.16 ug/ml#	71
76) Chrysene	10.967	228	2554	0.08 ug/ml#	84
78) Bis (2-ethylhexyl) pht...	11.046	149	33018	1.48 ug/ml	97
81) Benzo[b] fluoranthene	11.993	252	4233m	0.14 ug/ml	
82) Benzo[k] fluoranthene	12.018	252	2022m	0.09 ug/ml	
83) Benzo[a] pyrene	12.321	252	2332	0.08 ug/ml#	78
84) Indeno [1,2,3-cd] pyrene	13.561	276	1630m	0.07 ug/ml	
86) Benzo(g,h,i) perylene	13.846	276	2022	0.08 ug/ml#	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Bis at 6.70 ppb in B101210AW, Rey

1015ml 1ml FV

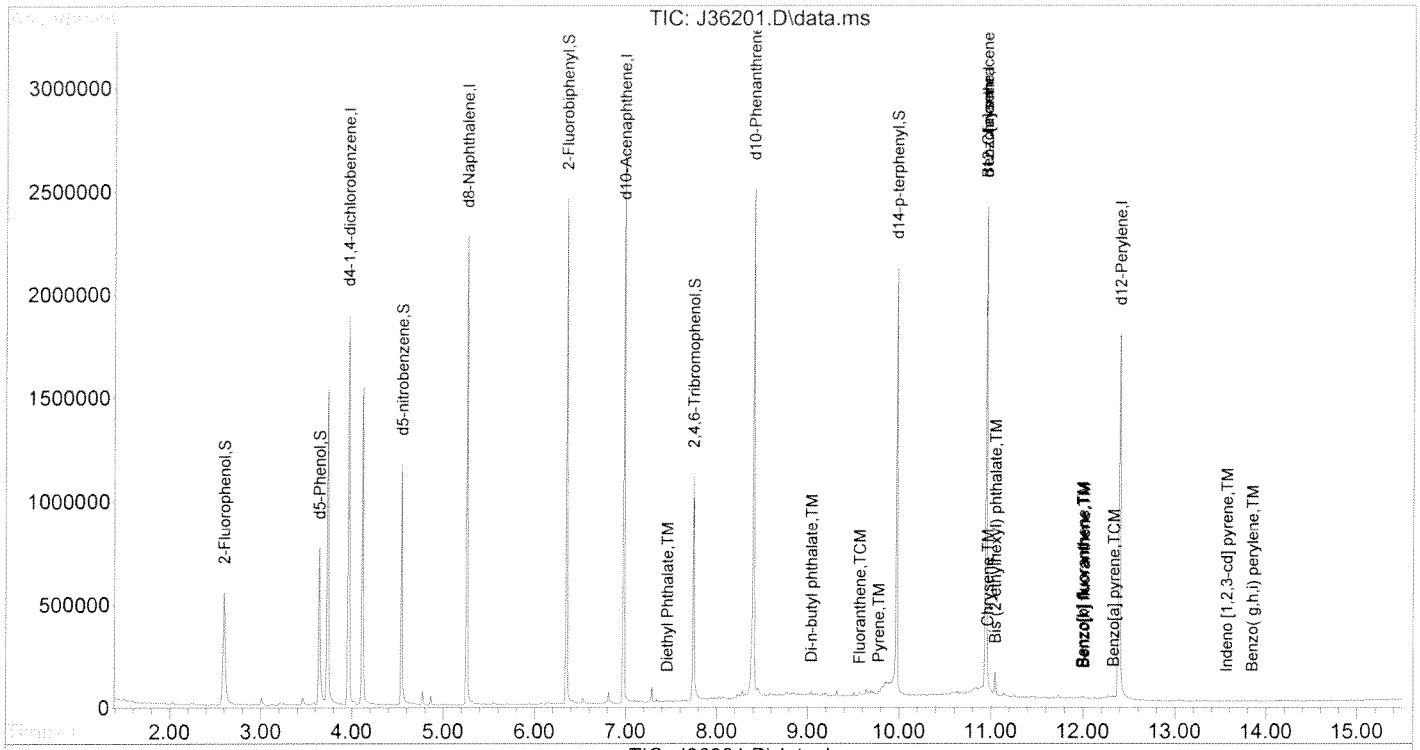
310220

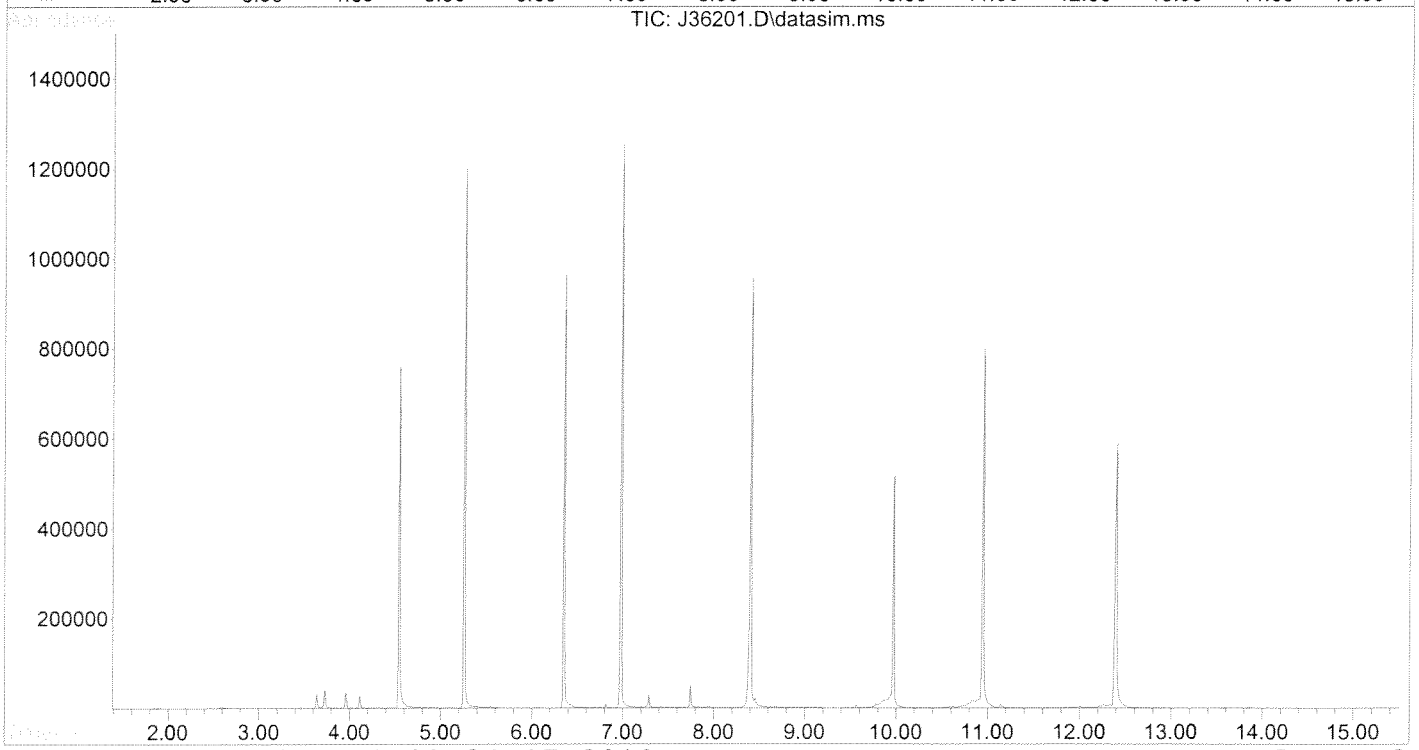
low DL for DOD

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36201.D
Acq On : 15 Oct 2010 6:38 am
Operator : AR/MG
Sample : 68000-2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 17 23:32:34 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration





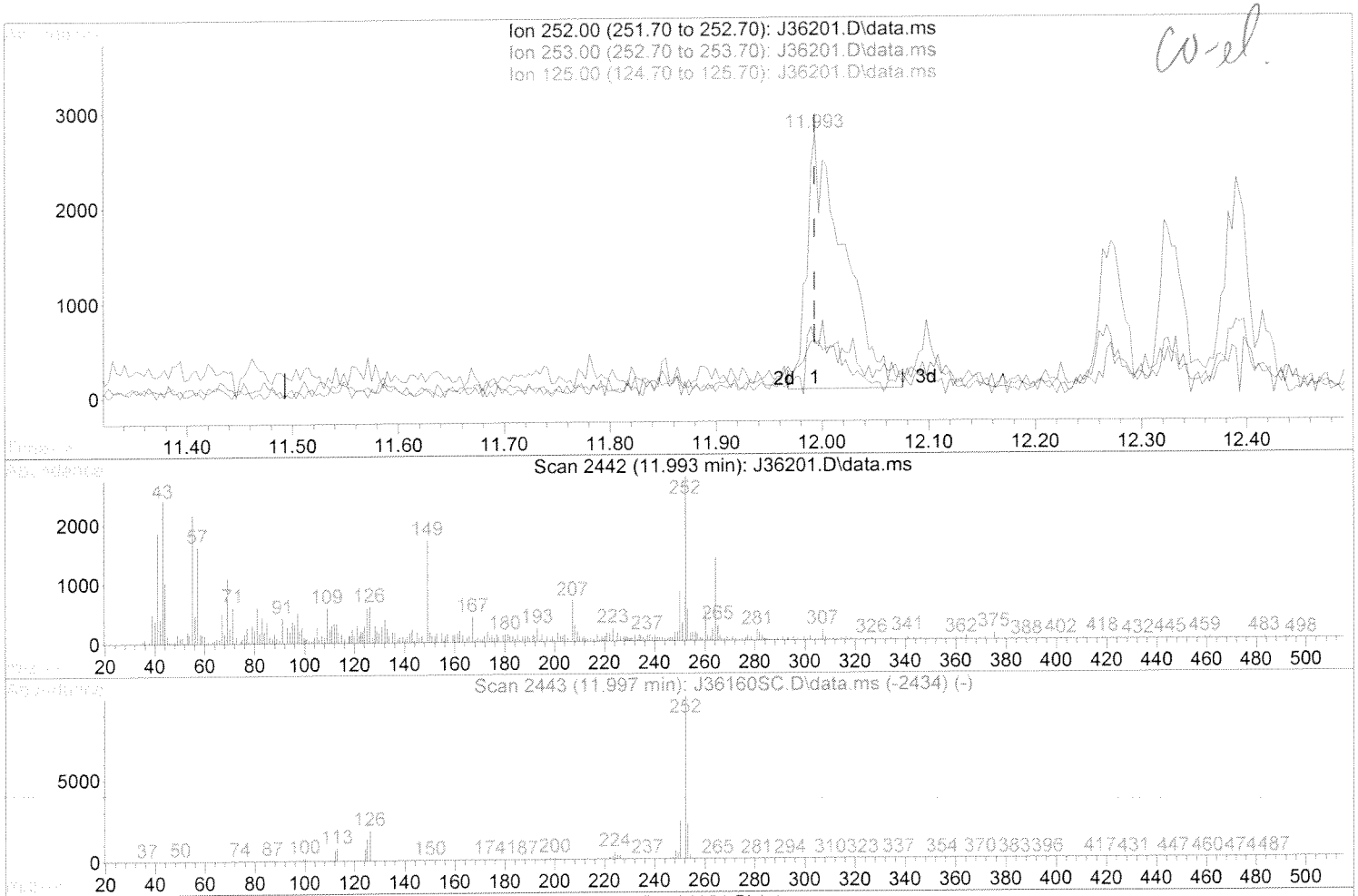
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36201.D
Acq On : 15 Oct 2010 6:38 am
Operator : AR/MG
Sample : 68000-2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 20:48:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

MV
10/18/10

Co-el.



(81) Benzo[b] fluoranthene (TM)

11.993min (+0.000) 0.22ug/ml <LOQ

response 6601

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	23.83
125.00	12.50	10.12
0.00	0.00	0.00

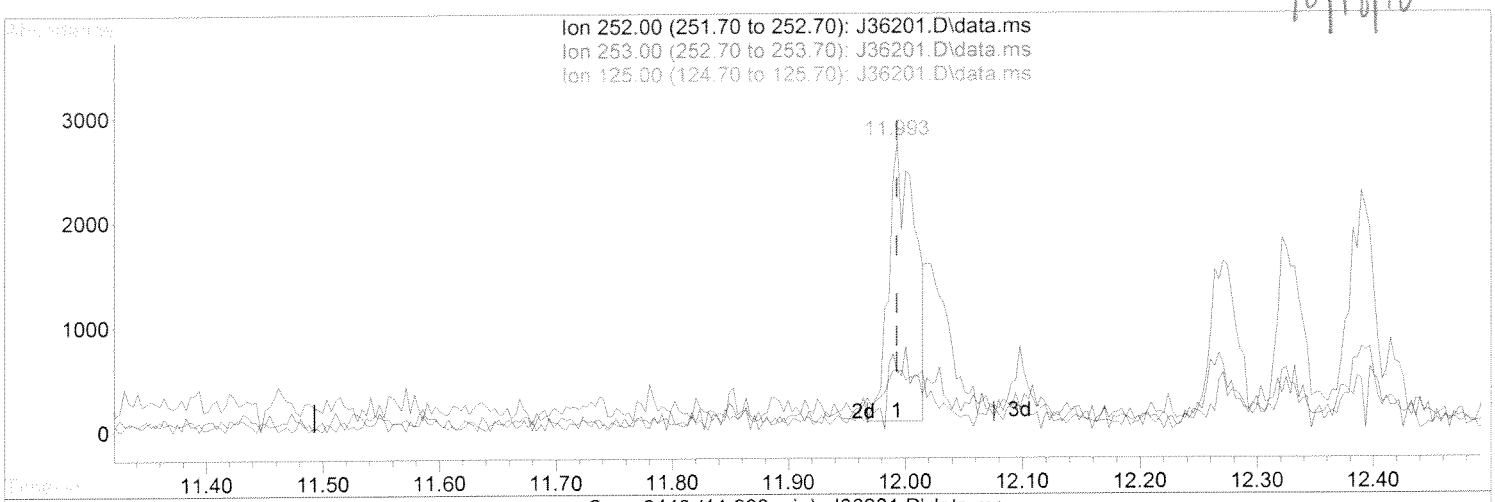
J102210

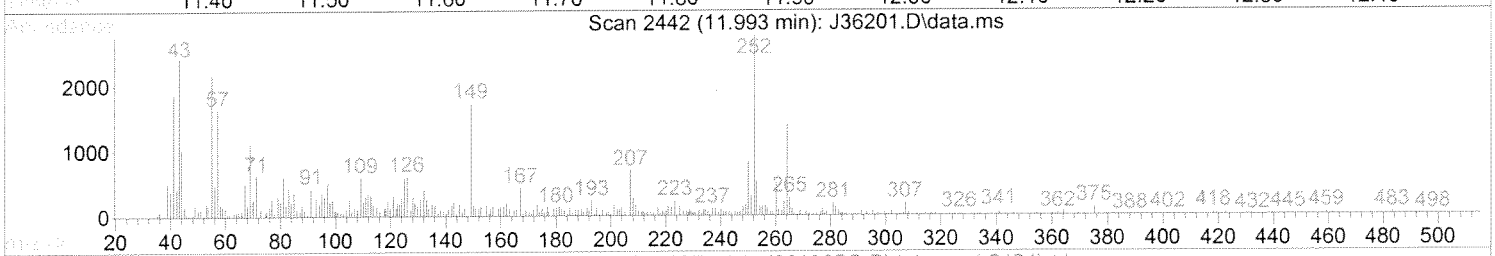
Quantitation Report (Qedit)

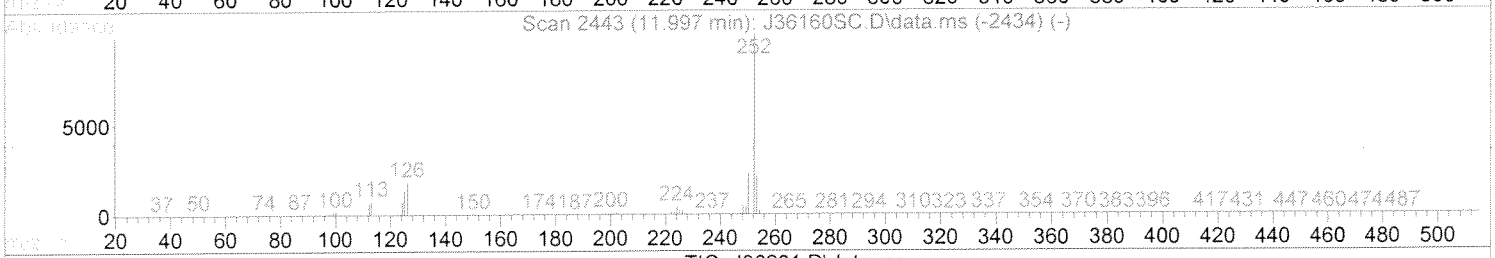
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36201.D
Acq On : 15 Oct 2010 6:38 am
Operator : AR/MG
Sample : 68000-2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 20:48:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/18/10







TIC: J36201.D\data.ms

(81) Benzo[b] fluoranthene (TM)

11.993min (+0.000) 0.14ug/ml m < LOD

response 4233

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	37.16#
125.00	12.50	15.78#
0.00	0.00	0.00

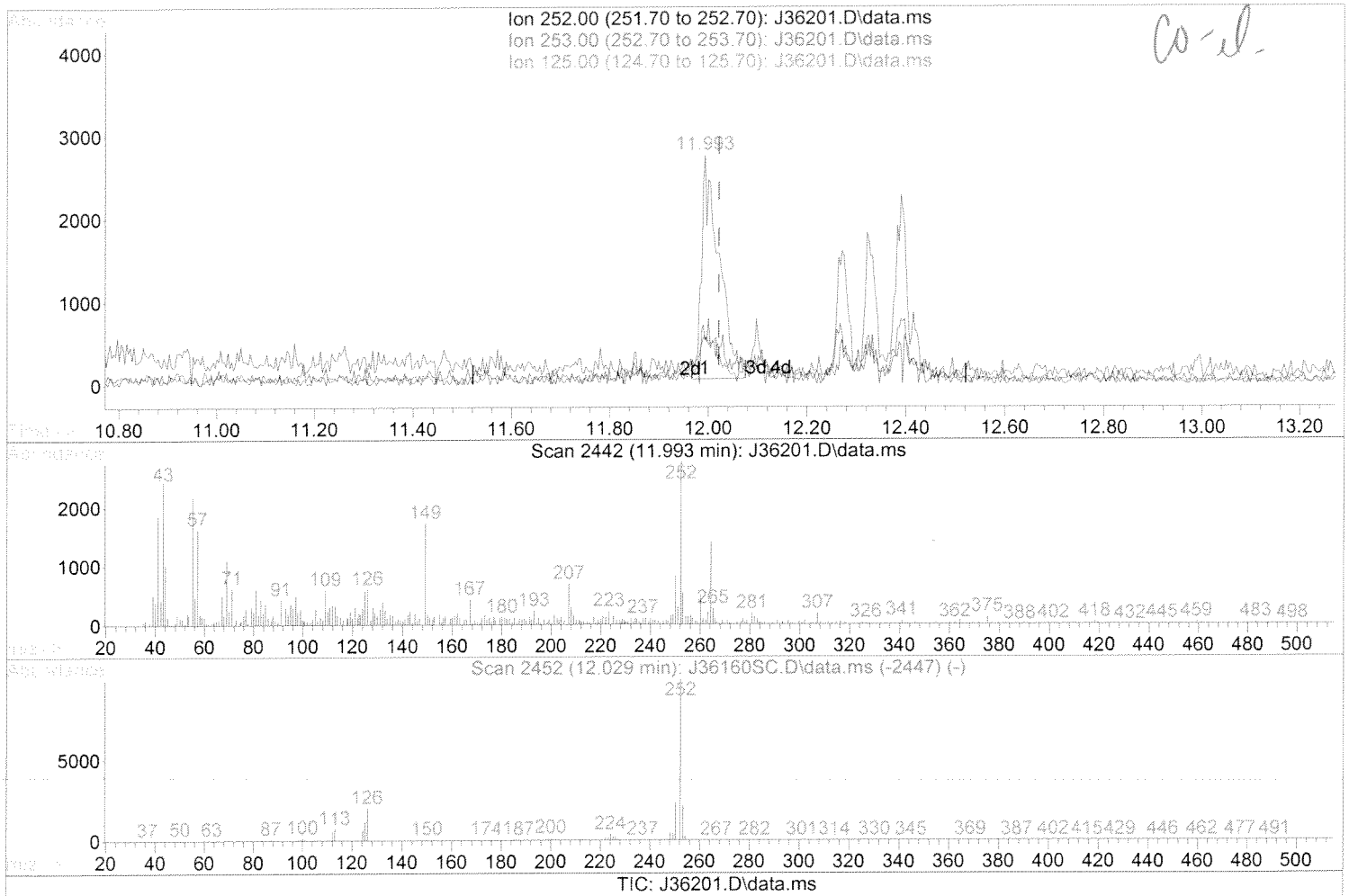
>102210

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36201.D
Acq On : 15 Oct 2010 6:38 am
Operator : AR/MG
Sample : 68000-2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 20:48:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

pm 10/18/10 Co-el.



(82) Benzo[k] fluoranthene (TM)

11.993min (-0.029) 0.24ug/ml <LOD

response 6601

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.83
125.00	12.50	10.12
0.00	0.00	0.00

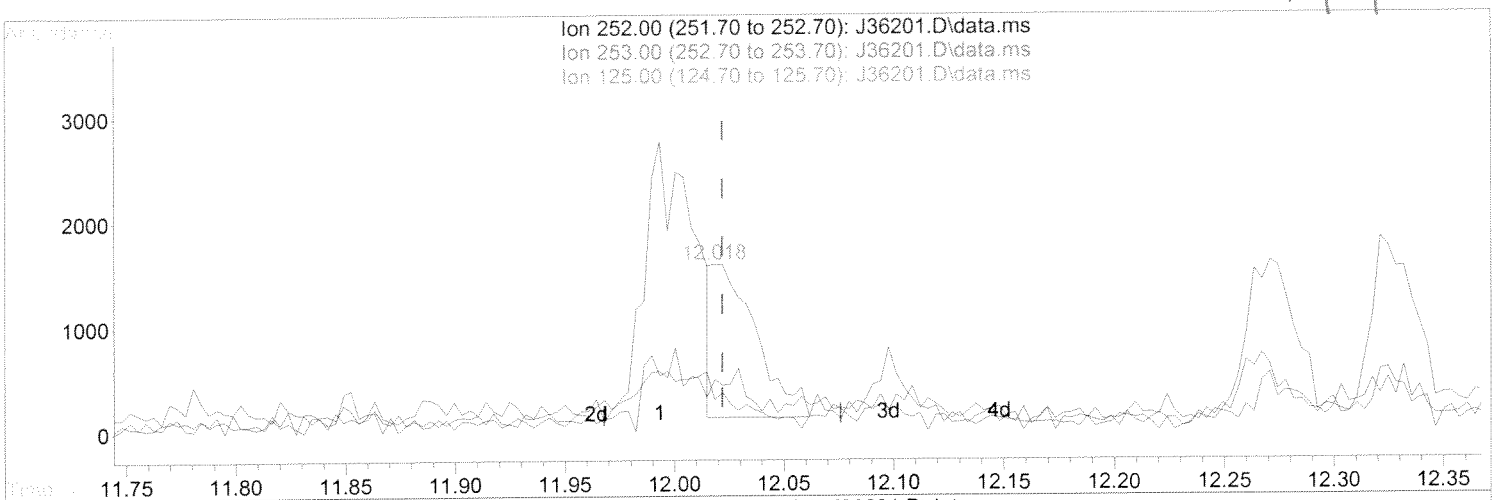
312220

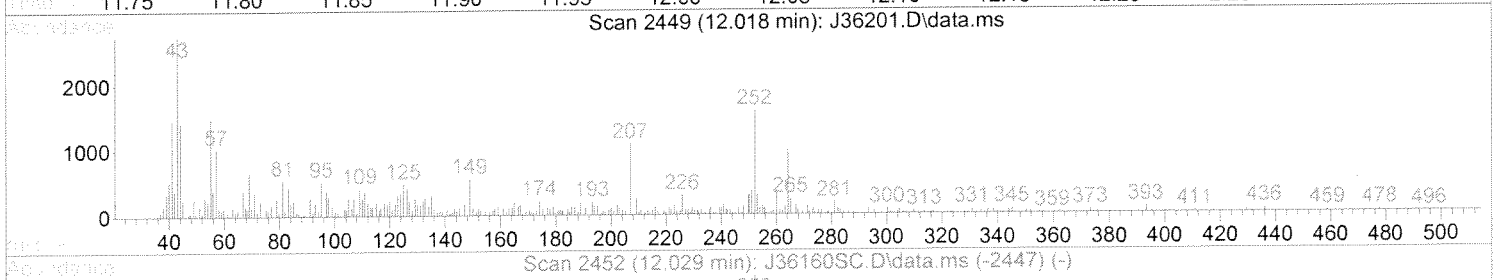
Quantitation Report (Qedit)

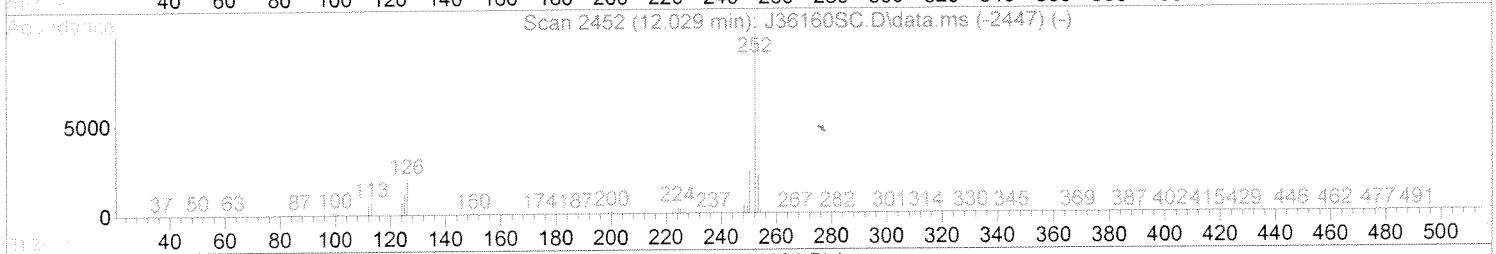
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36201.D
Acq On : 15 Oct 2010 6:38 am
Operator : AR/MG
Sample : 68000-2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 20:48:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

PM 10/18/10







TIC: J36201.D\data.ms

(82) Benzo[k] fluoranthene (TM)

12.018min (-0.004) 0.09ug/ml m <LOD

response 2022

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	77.79#
125.00	12.50	33.04#
0.00	0.00	0.00

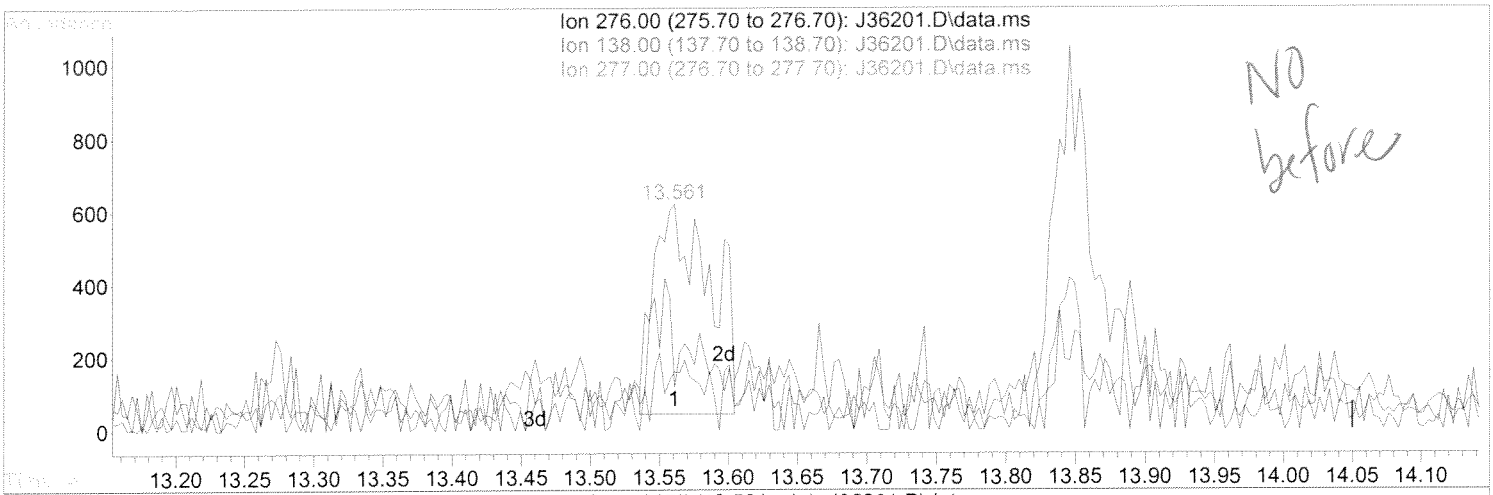
J 102210

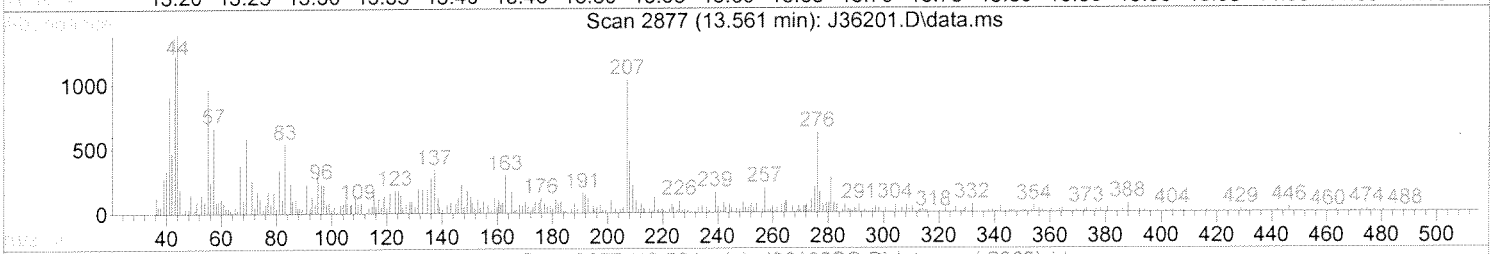
Quantitation Report (Qedit)

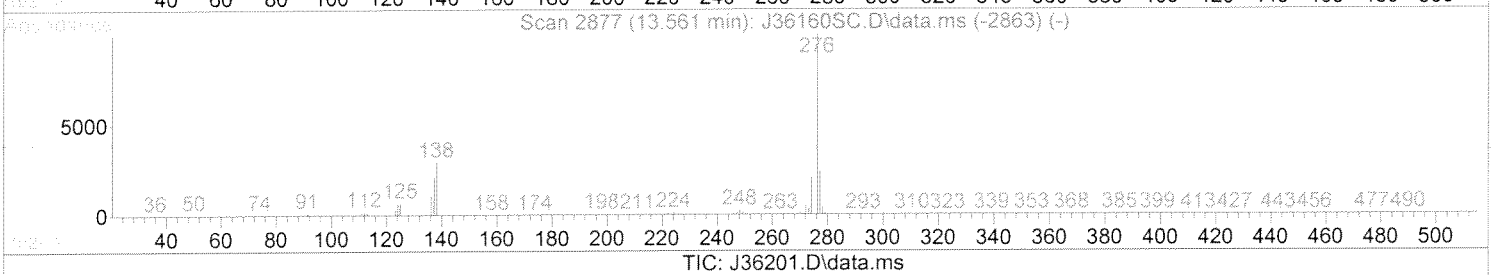
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36201.D
Acq On : 15 Oct 2010 6:38 am
Operator : AR/MG
Sample : 68000-2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 15 20:48:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

MC 10/18/10







TIC: J36201.D\data.ms

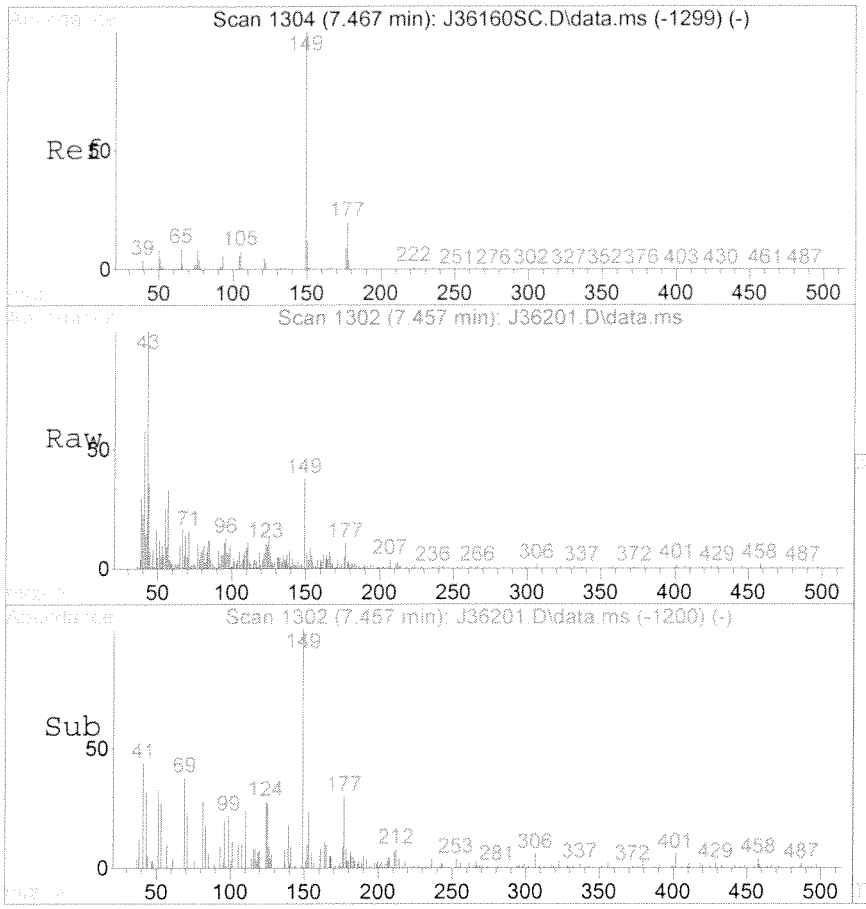
(84) Indeno [1,2,3-cd] pyrene (TM)

13.561min (+0.011) 0.07ug/ml m LJ LOD

response 1630

J52210

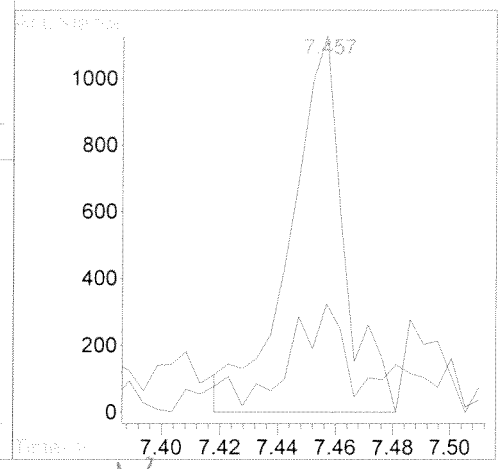
Ion	Exp%	Act%
276.00	100	100
138.00	31.60	0.00#
277.00	27.30	0.00#
0.00	0.00	0.00

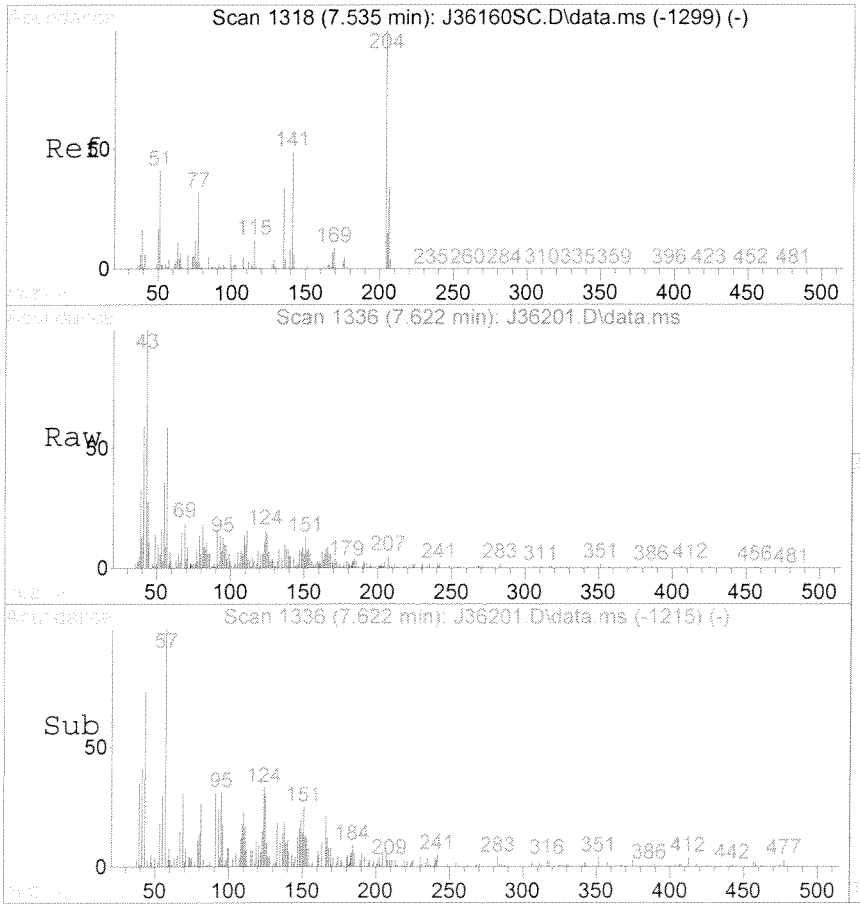


#53 ✓
Diethyl Phthalate
Concen: 0.07 ug/ml
RT: 7.457 min Scan# 1302
Delta R.T. -0.005 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion:149 Resp: 1479

Ion	Ratio	Lower	Upper
149	100		
177	26.6	15.1	22.7#

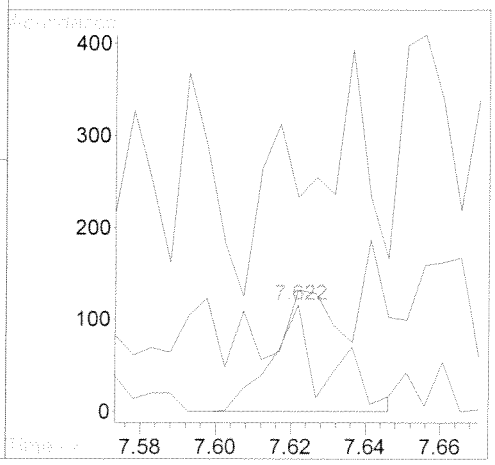


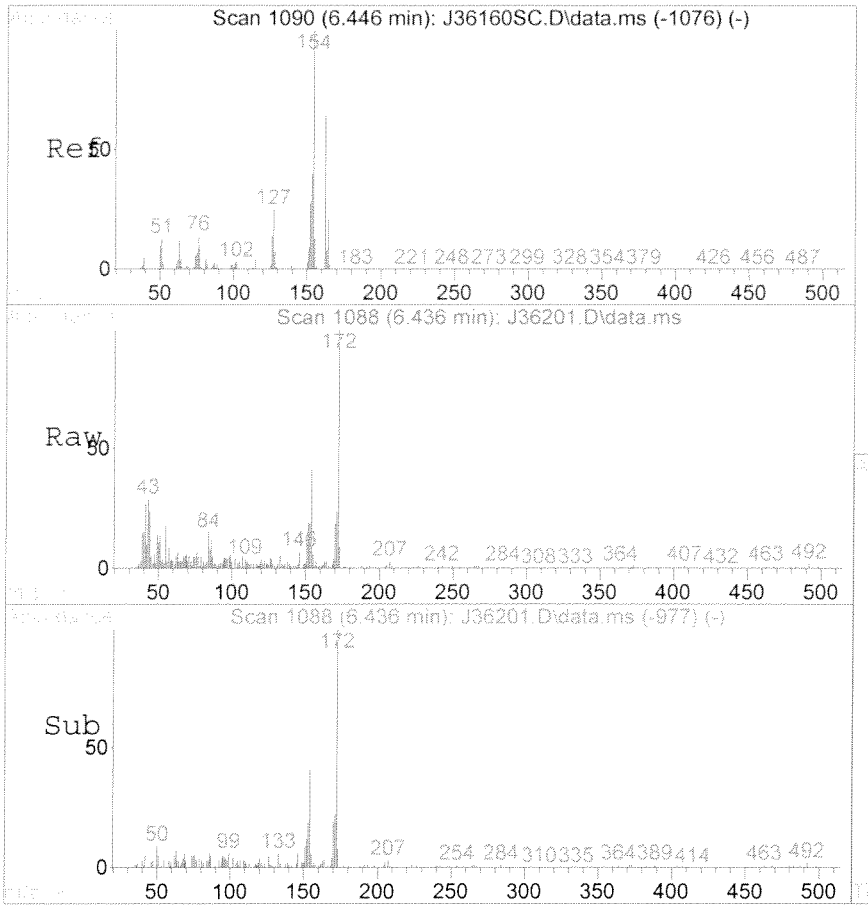


#54 ✗
4-Chlorophenyl phenyl ether
Concen: Below Cal
RT: 7.622 min Scan# 1336
Delta R.T. 0.087 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion:204 Resp: 117

Ion	Ratio	Lower	Upper
204	100		
141	0.0	38.8	58.2#
77	108.5	30.8	46.2#

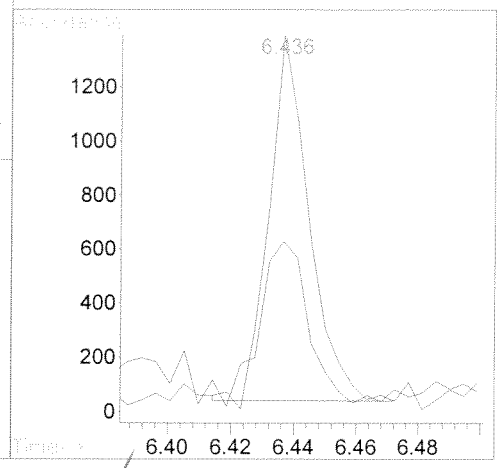


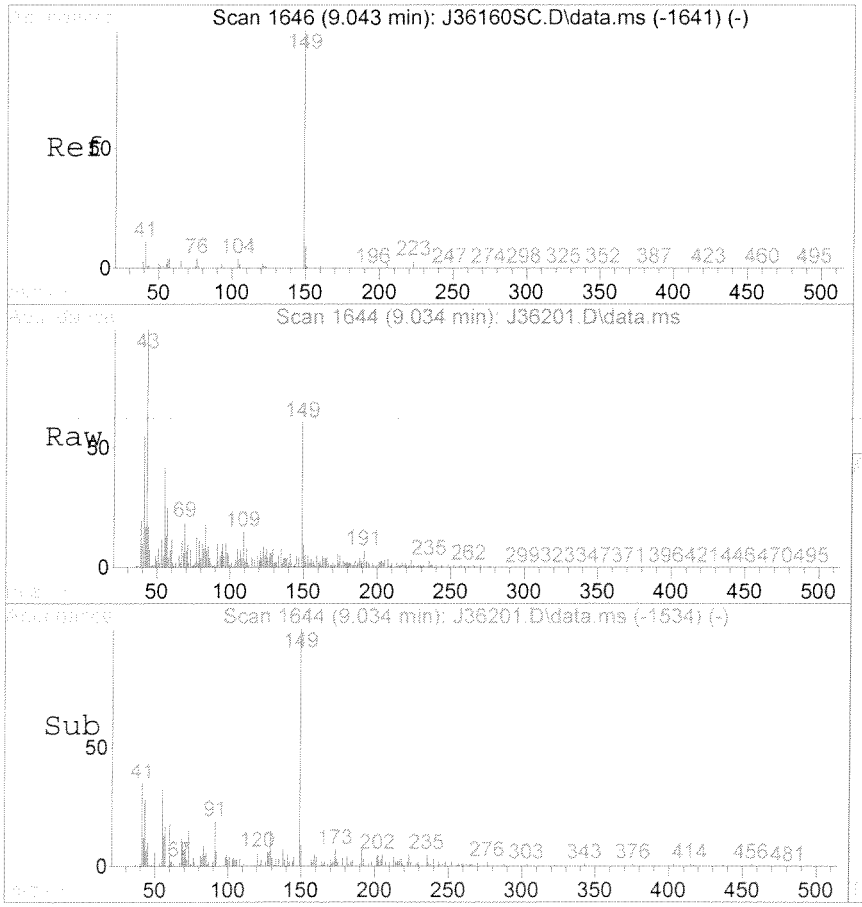


#59 ✓ NT
Biphenyl
Concen: Below Cal
RT: 6.436 min Scan# 1088
Delta R.T. -0.004 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion:154 Resp: 1192

Ion	Ratio	Lower	Upper
154	100		
153	55.3	32.1	48.1#

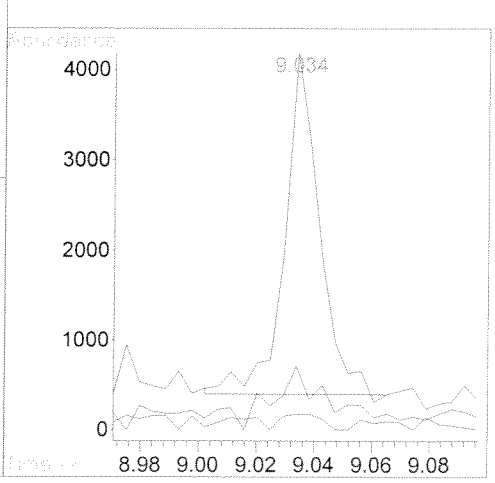


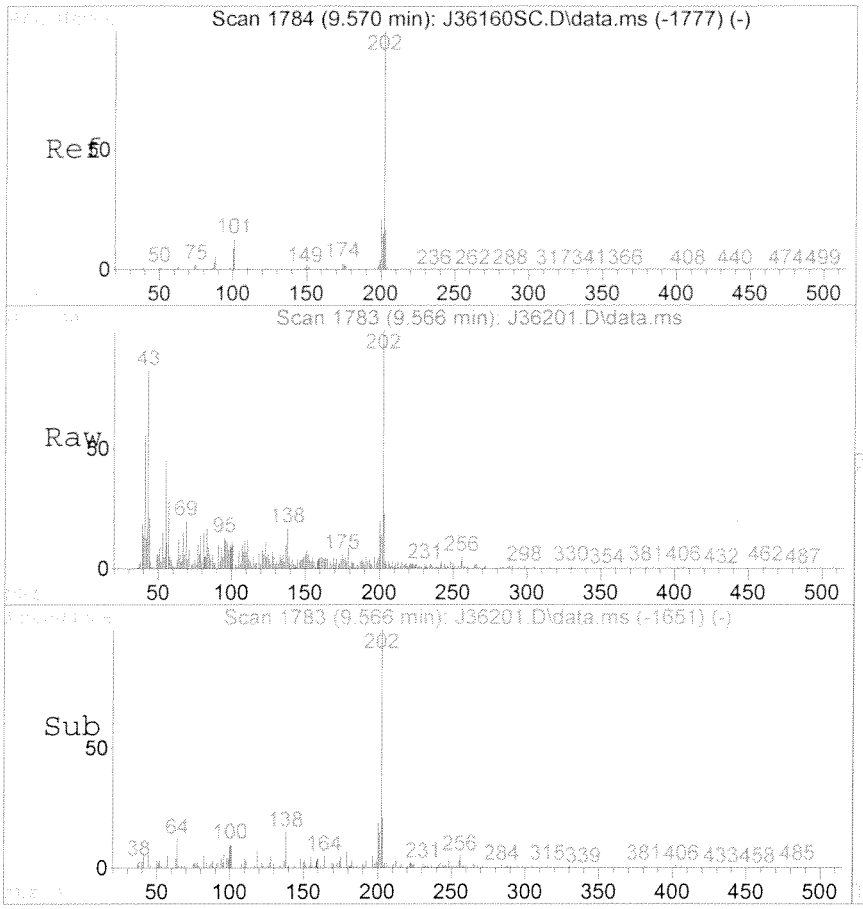


#68 ✓
Di-n-butyl phthalate
Concen: 0.08 ug/ml
RT: 9.034 min Scan# 1644
Delta R.T. -0.004 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion:149 Resp: 3177

Ion	Ratio	Lower	Upper
149	100		
150	34.3	7.4	11.0#
104	5.2	3.2	4.8#

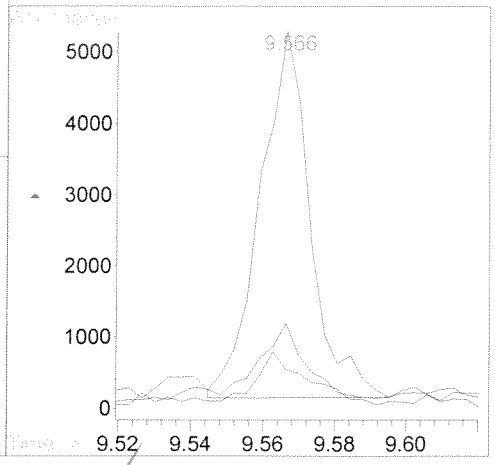


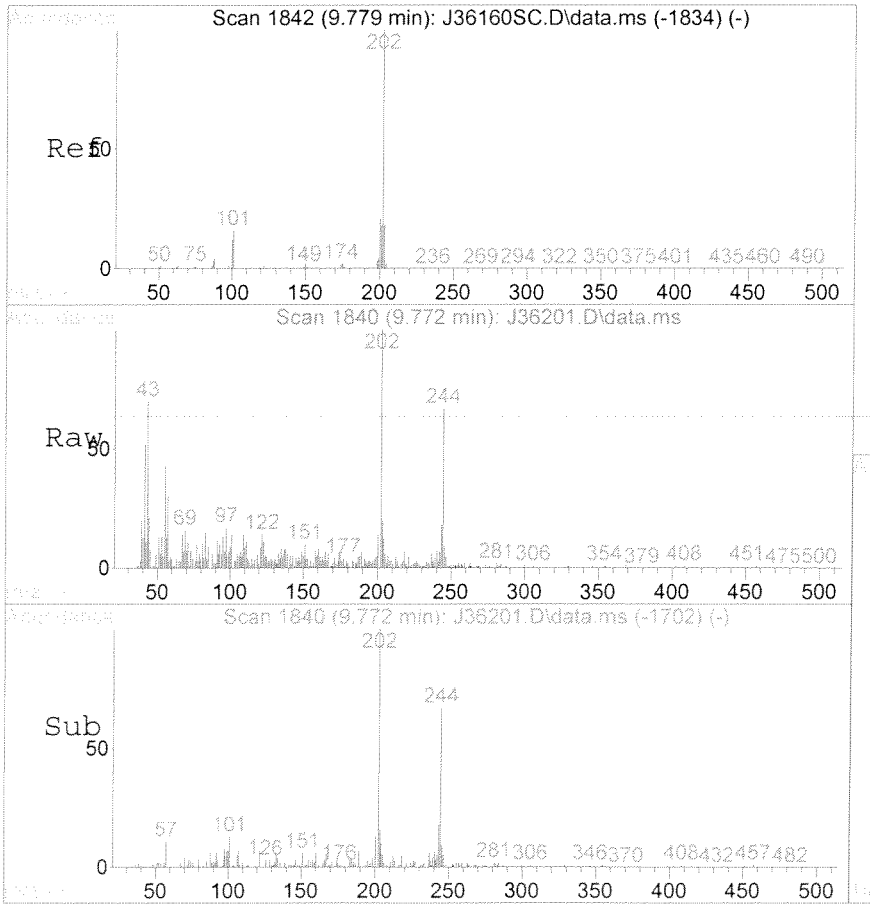


#69
Fluoranthene
Concen: 0.14 ug/ml
RT: 9.566 min Scan# 1783
Delta R.T. 0.000 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion:202 Resp: 4996

Ion	Ratio	Lower	Upper
202	100		
101	15.3	10.2	15.2#
203	19.7	13.9	20.9

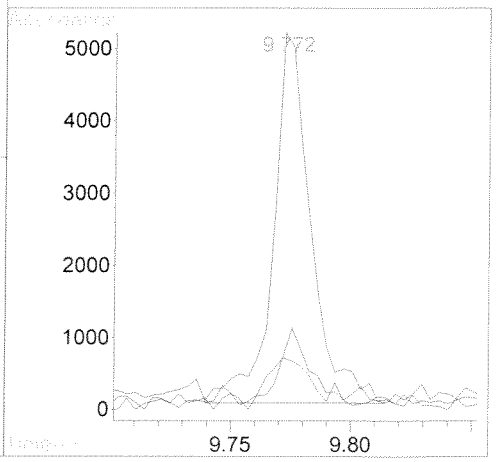


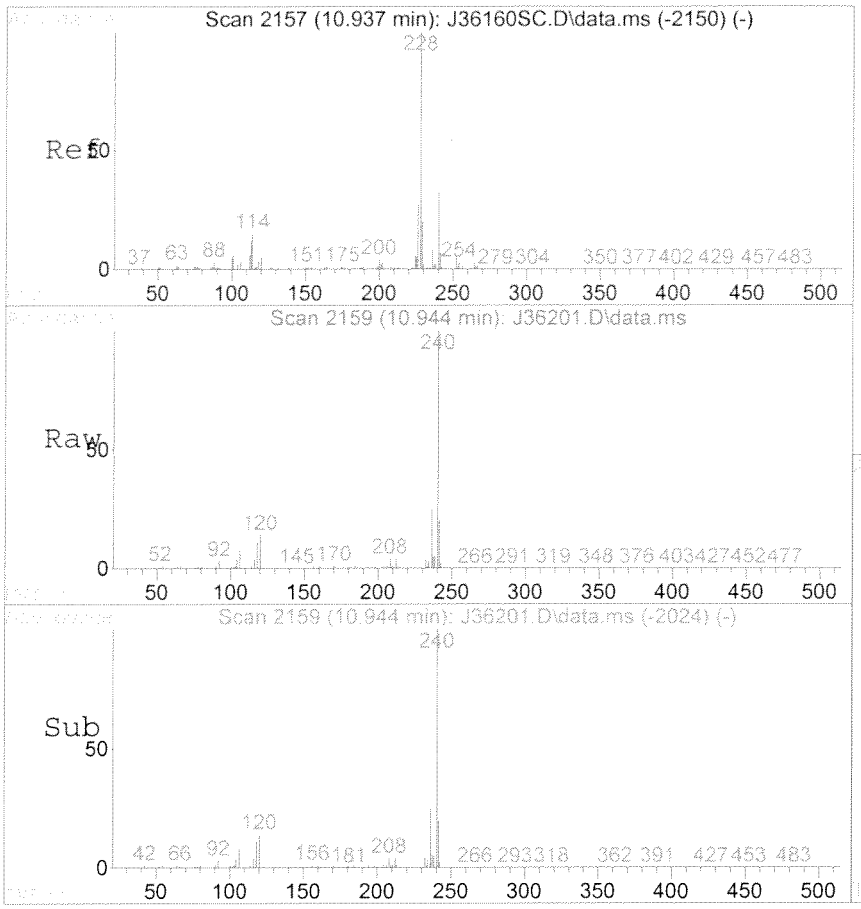


#72
Pyrene
Concen: 0.15 ug/ml
RT: 9.772 min Scan# 1840
Delta R.T. -0.004 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion:202 Resp: 5667

Ion	Ratio	Lower	Upper
202	100		
101	13.6	12.1	18.1
200	19.7	16.3	24.5

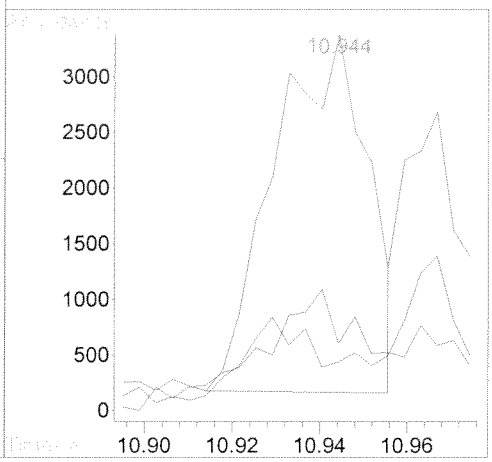


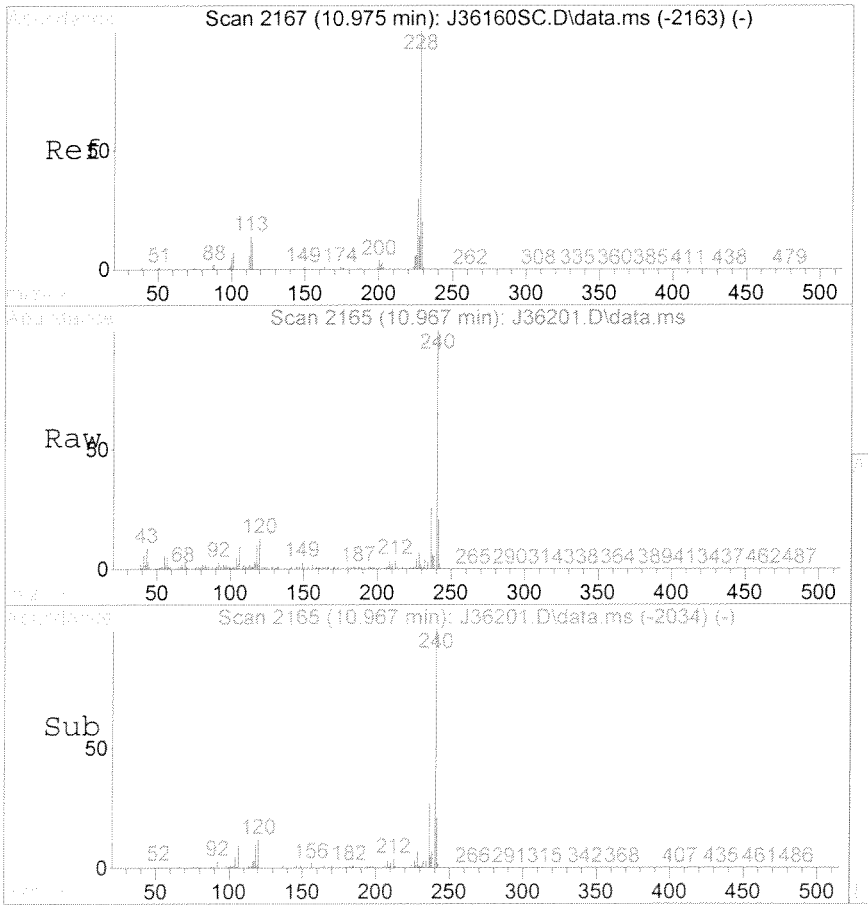


#75 ✓
Benzo[a]anthracene
Concen: 0.16 ug/ml
RT: 10.944 min Scan# 2159
Delta R.T. 0.008 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion:228 Resp: 4809

Ion	Ratio	Lower	Upper
228	100		
229	39.4	16.1	24.1#
226	17.2	21.4	32.2#

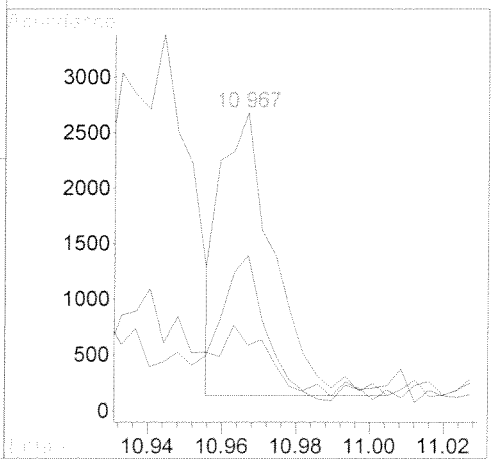


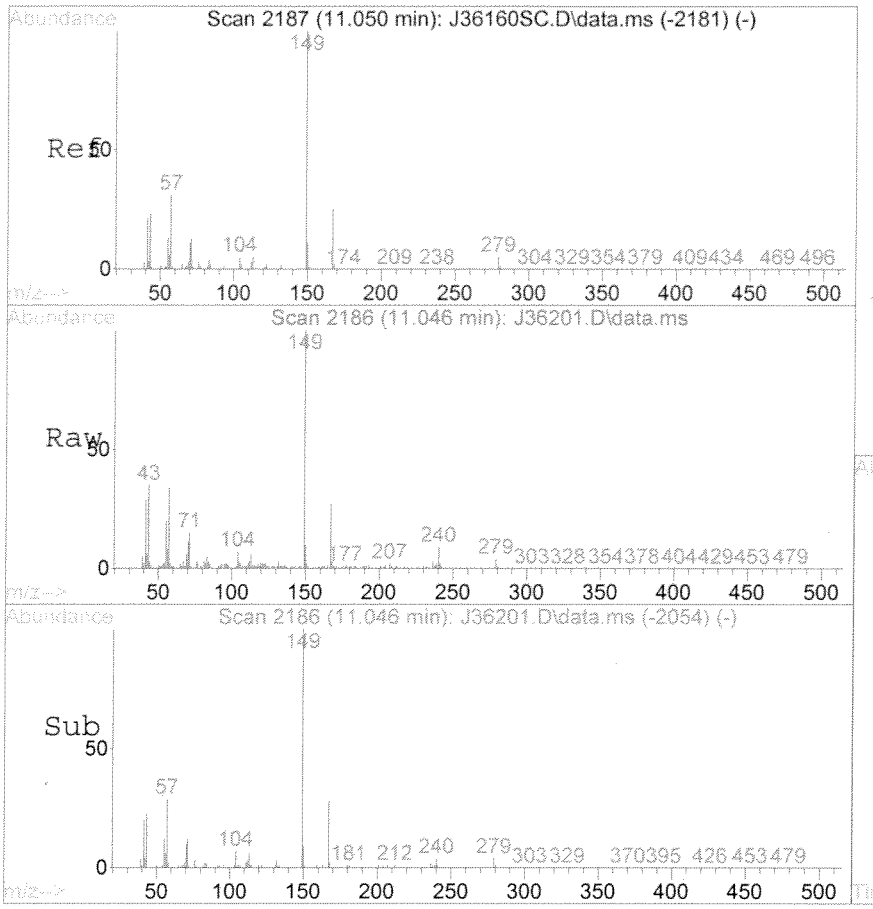


#76 ✓
Chrysene
Concen: 0.08 ug/ml
RT: 10.967 min Scan# 2165
Delta R.T. -0.004 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion:228 Resp: 2554

Ion	Ratio	Lower	Upper
228	100		
229	22.0	15.7	23.5
226	42.1	23.8	35.6#



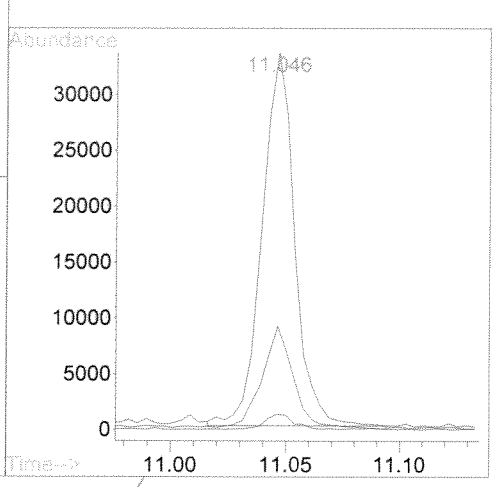


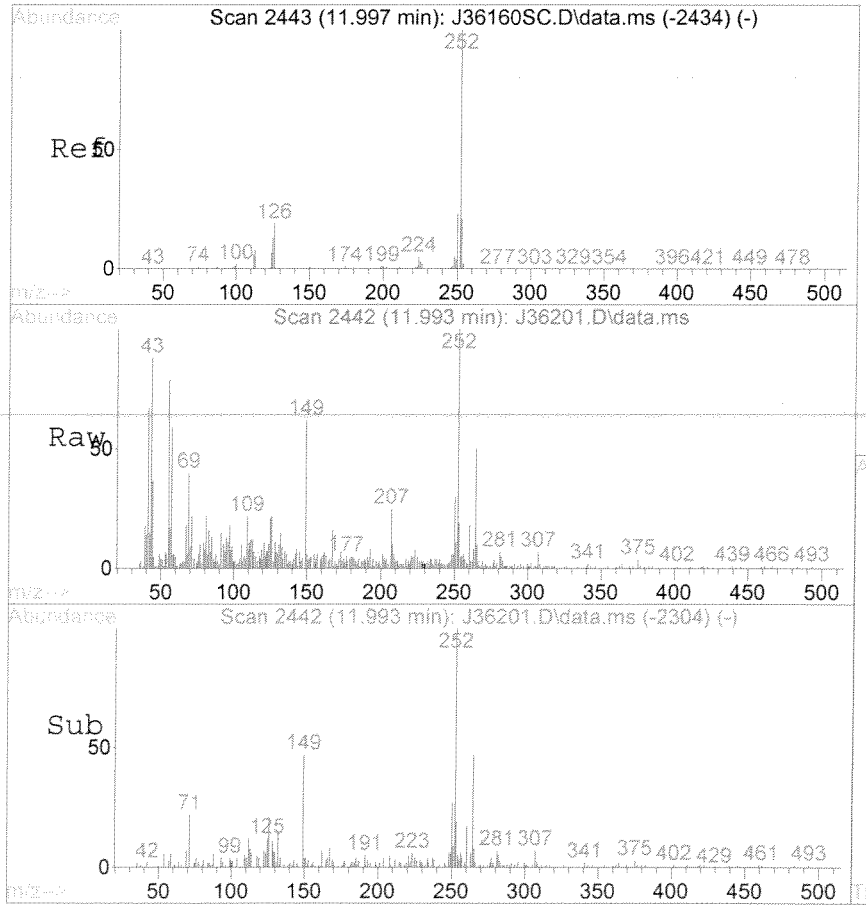
#78

Bis (2-ethylhexyl) phthalate
Concen: 1.48 ug/ml
RT: 11.046 min Scan# 2186
Delta R.T. 0.000 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion:149 Resp: 33018

Ion	Ratio	Lower	Upper
149	100		
167	26.8	20.0	30.0
279	3.8	3.5	5.3



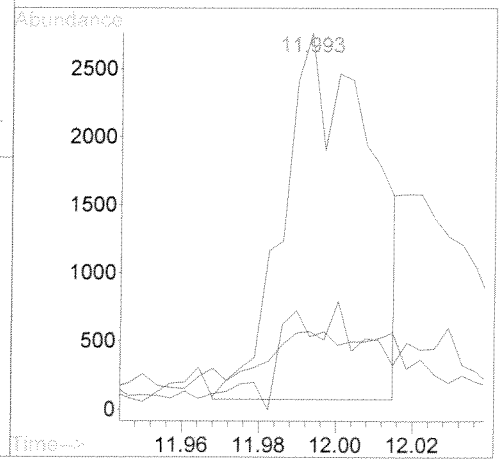


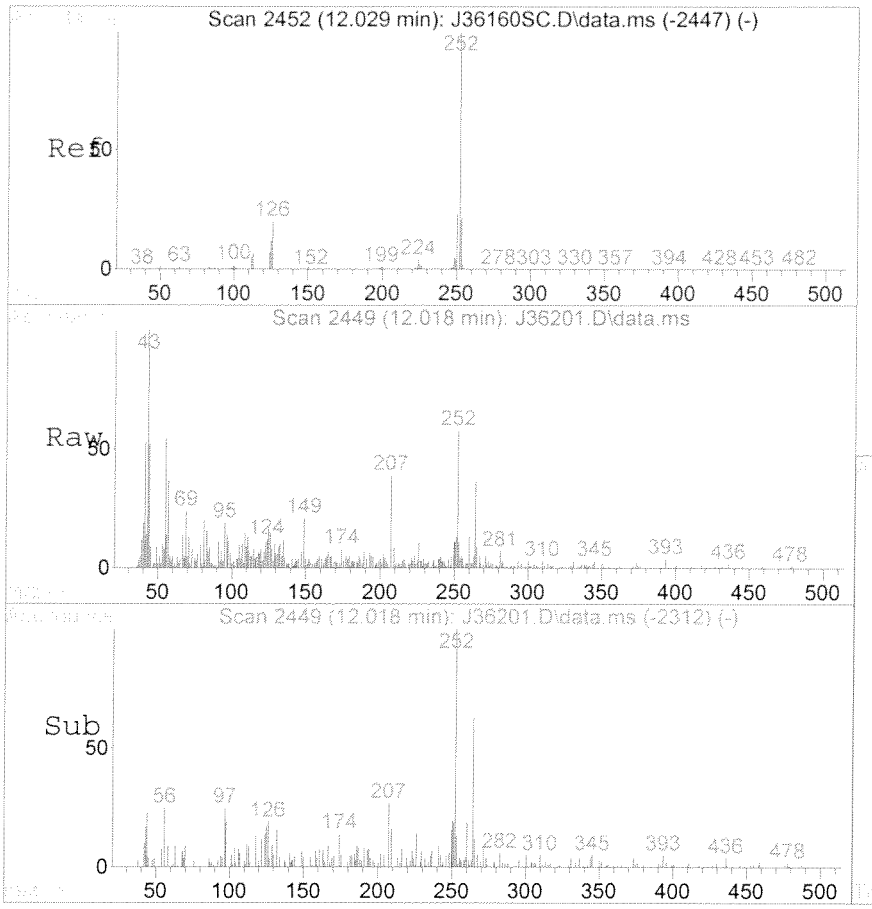
#81

Benzo[b] fluoranthene
Concen: 0.14 ug/ml m
RT: 11.993 min Scan# 2442
Delta R.T. 0.000 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion:252 Resp: 4233

Ion	Ratio	Lower	Upper
252	100		
253	37.2	17.4	26.2#
125	15.8	10.0	15.0#

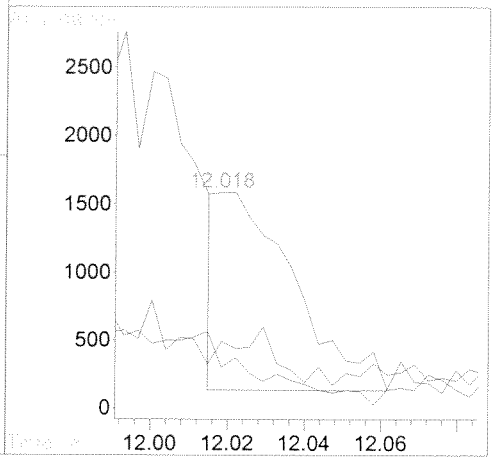


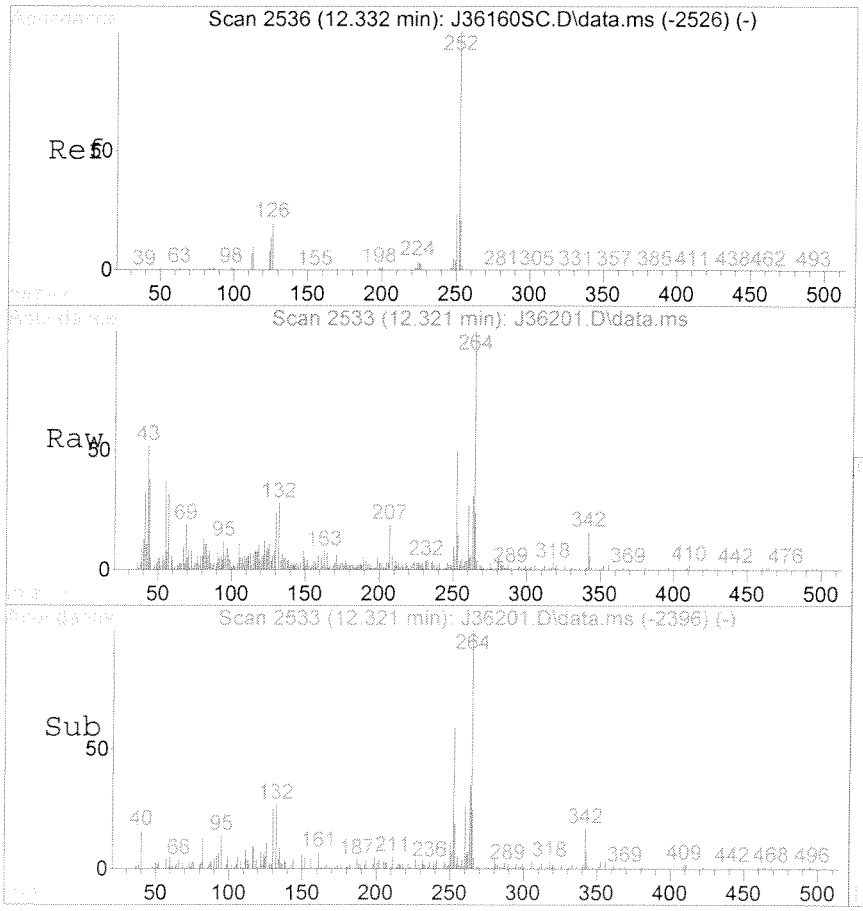


#82 ✓
Benzo[k] fluoranthene
Concen: 0.09 ug/ml m
RT: 12.018 min Scan# 2449
Delta R.T. -0.004 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion:252 Resp: 2022

Ion	Ratio	Lower	Upper
252	100		
253	77.8	17.1	25.7#
125	33.0	10.0	15.0#

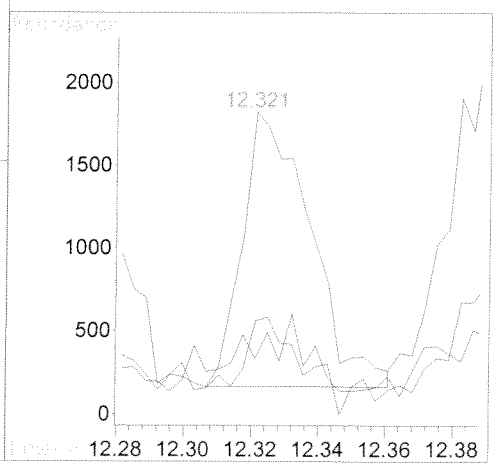


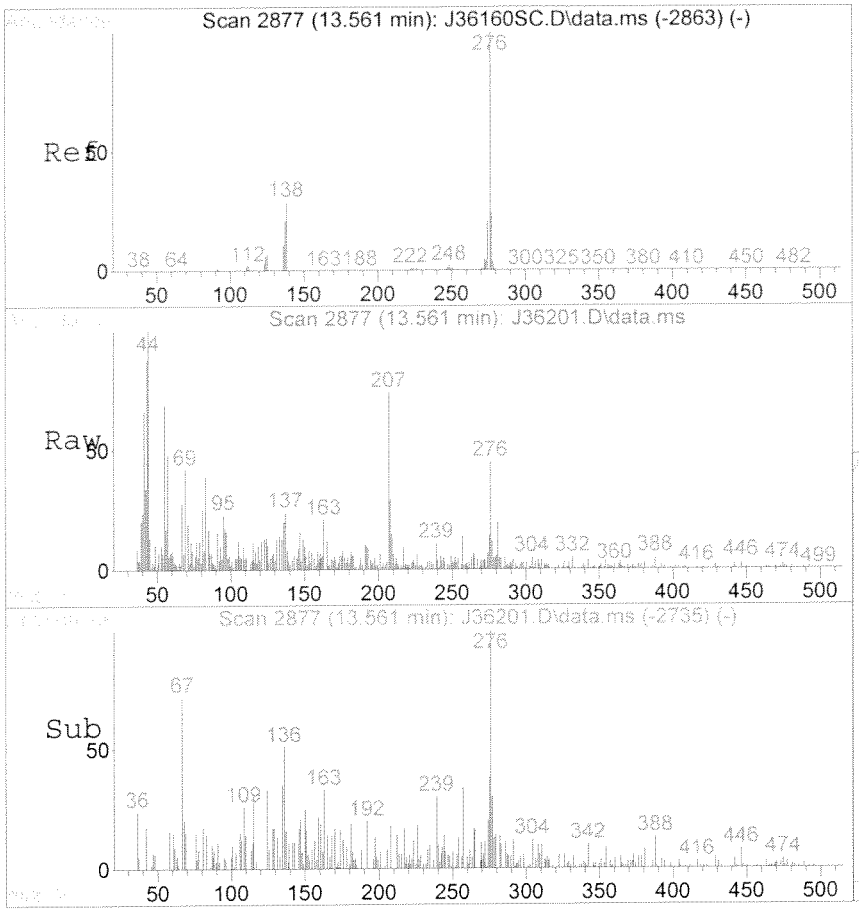


#83 ✓
Benzo[a] pyrene
Concen: 0.08 ug/ml
RT: 12.321 min Scan# 2533
Delta R.T. -0.007 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion:252 Resp: 2332

Ion	Ratio	Lower	Upper
252	100		
253	32.4	17.6	26.4#
125	5.5	11.5	17.3#

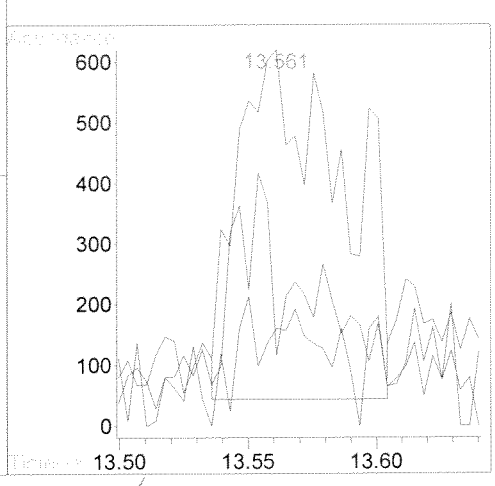


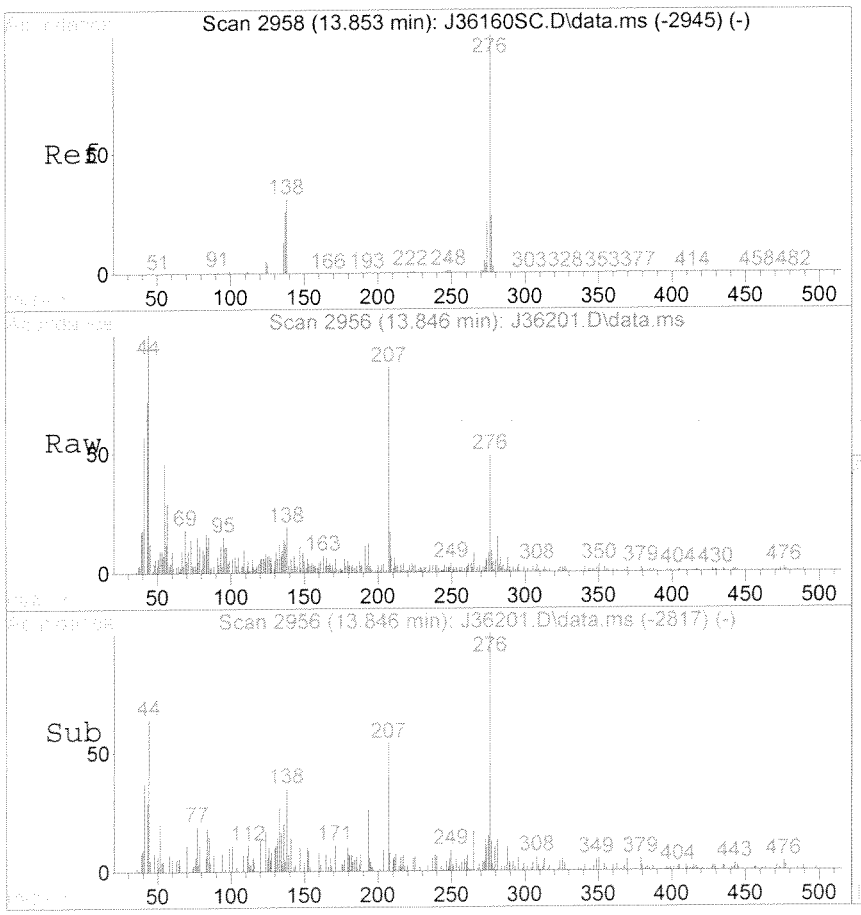


#84 ✓
Indeno [1,2,3-cd] pyrene
Concen: 0.07 ug/ml m
RT: 13.561 min Scan# 2877
Delta R.T. 0.011 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion:276 Resp: 1630

Ion	Ratio	Lower	Upper
276	100		
138	0.0	25.3	37.9#
277	0.0	21.8	32.8#

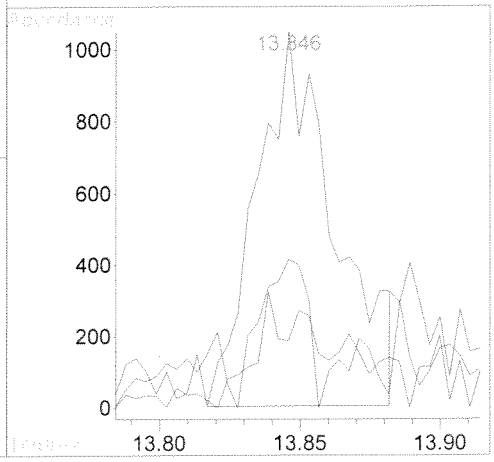




#86 ✓
Benzo(g,h,i) perylene
Concen: 0.08 ug/ml
RT: 13.846 min Scan# 2956
Delta R.T. 0.000 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion:276 Resp: 2022

Ion	Ratio	Lower	Upper
276	100		
138	25.2	25.0	37.4
277	11.9	19.0	28.4#



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36201.D
Acq On : 15 Oct 2010 6:38 am
Operator : AR/MG
Sample : 68000-2
Misc :
ALS Vial : 8 Sample Multiplier: 1

DF=1

10/18/10

Quant Time: Oct 18 00:37:34 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	367951	40.00 ug/ml	0.02
19) d8-Naphthalene	5.255	136	1083545	40.00 ug/ml	0.01
35) d10-Acenaphthene	6.976	164	634103	40.00 ug/ml	0.01
61) d10-Phenanthrene	8.403	188	1123907	40.00 ug/ml	0.01
71) d12-Chrysene	10.944	240	1078907	40.00 ug/ml	0.01
79) d12-Perylene	12.393	264	984478	40.00 ug/ml	0.02
System Monitoring Compounds					
4) 2-Fluorophenol	2.599	112	258632	24.02 ug/ml	0.01
Spiked Amount 75.000	Range 28 - 110		Recovery =	32.03%	
5) d5-Phenol	3.642	99	283248	22.55 ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery =	30.07%	
20) d5-nitrobenzene	4.545	82	347718	37.24 ug/ml	0.01
Spiked Amount 50.000	Range 45 - 107		Recovery =	74.48%	
39) 2-Fluorobiphenyl	6.347	172	793701	39.38 ug/ml	0.01
Spiked Amount 50.000	Range 44 - 102		Recovery =	78.76%	
60) 2,4,6-Tribromophenol	7.743	330	134870	39.77 ug/ml	0.01
Spiked Amount 75.000	Range 63 - 127		Recovery =	53.03%#	
73) d14-p-terphenyl	9.970	244	699695	35.57 ug/ml	0.02
Spiked Amount 50.000	Range 33 - 132		Recovery =	71.14%	
Target Compounds					Qvalue
2) BENZALDEHYDE	3.731	77	11029	1.58 ug/ml#	80
24) CAPROLACTAM	5.697	55	2147	0.29 ug/ml#	39
62) Octadecane	8.385	57	1514	Below Cal #	7

(#) = qualifier out of range (m) = manual integration (+) = signals summed

J102210

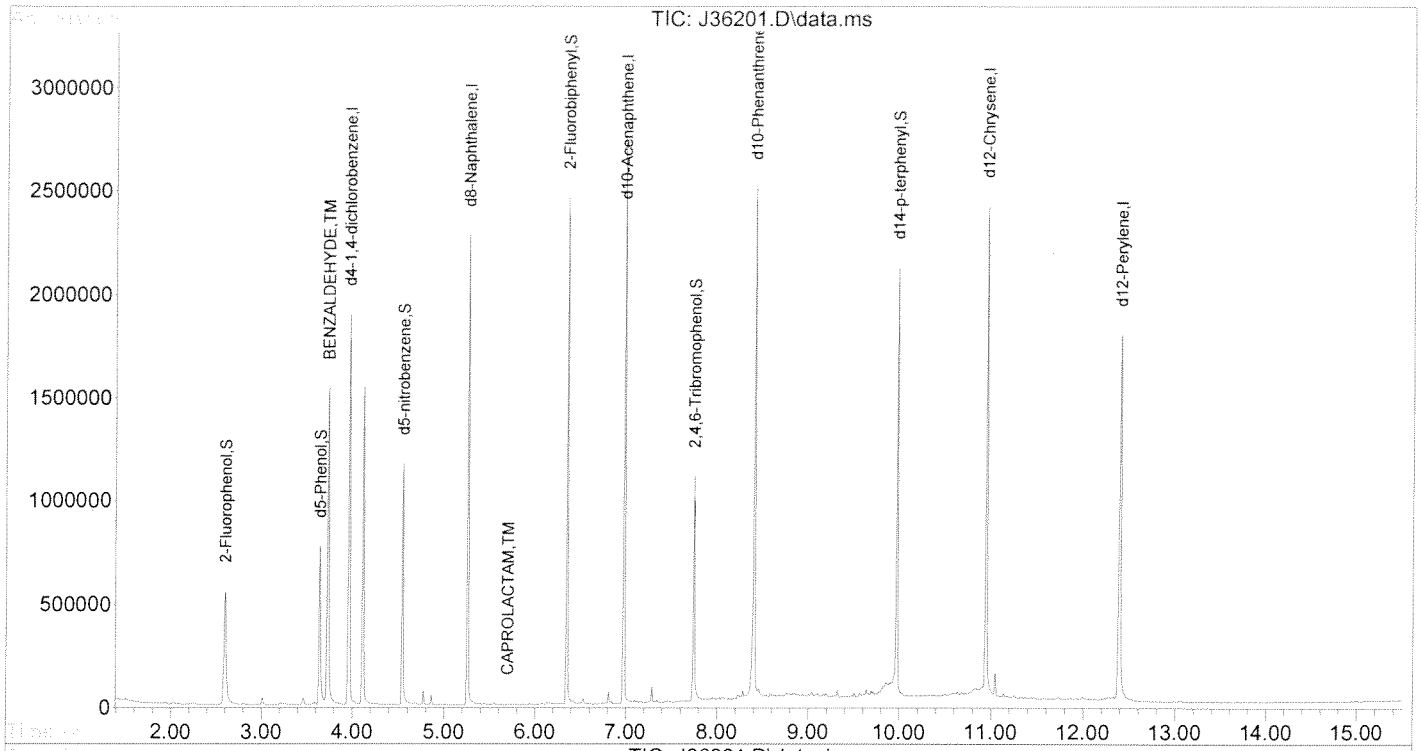
NA

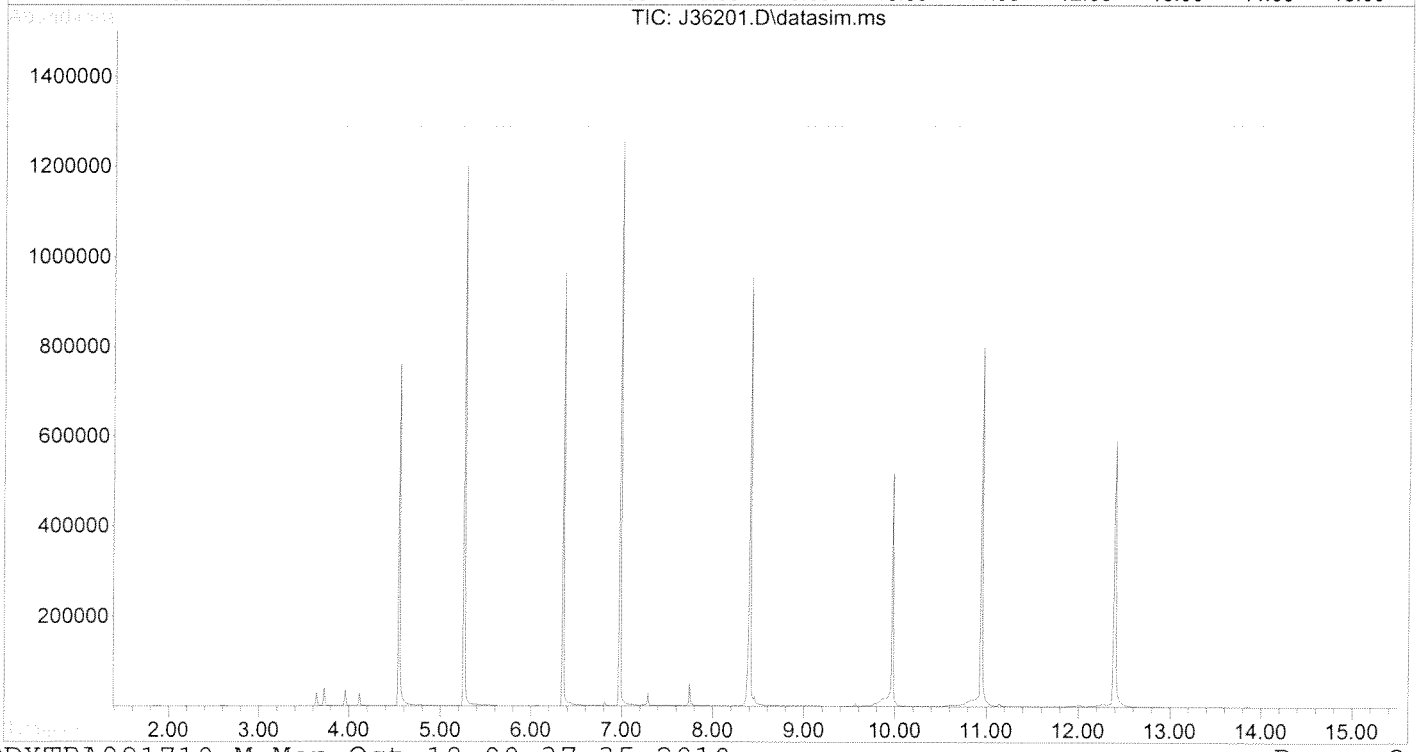
1015mp
1mPV

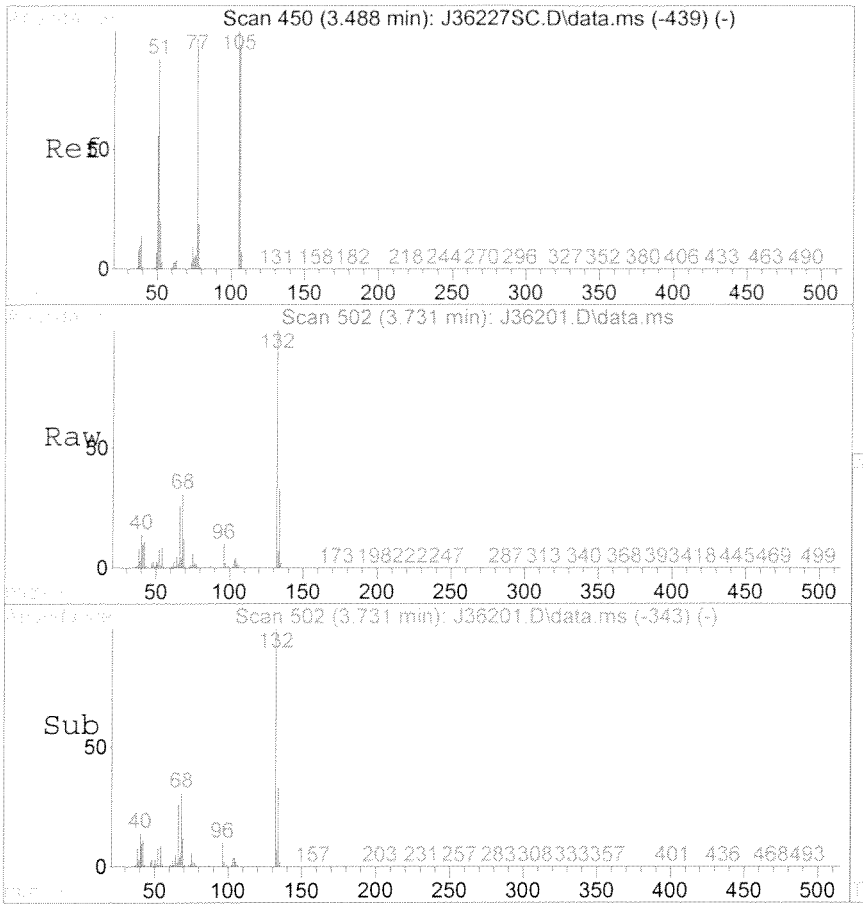
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36201.D
Acq On : 15 Oct 2010 6:38 am
Operator : AR/MG
Sample : 68000-2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 18 00:37:34 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration



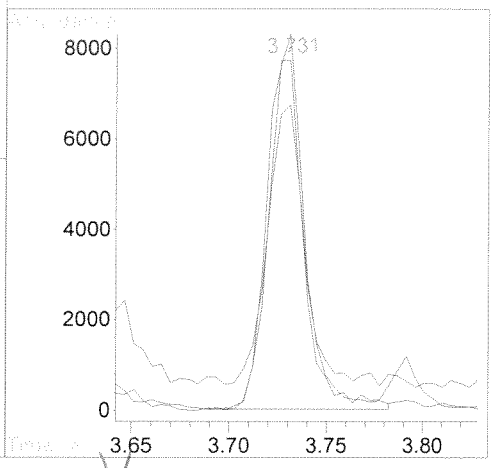


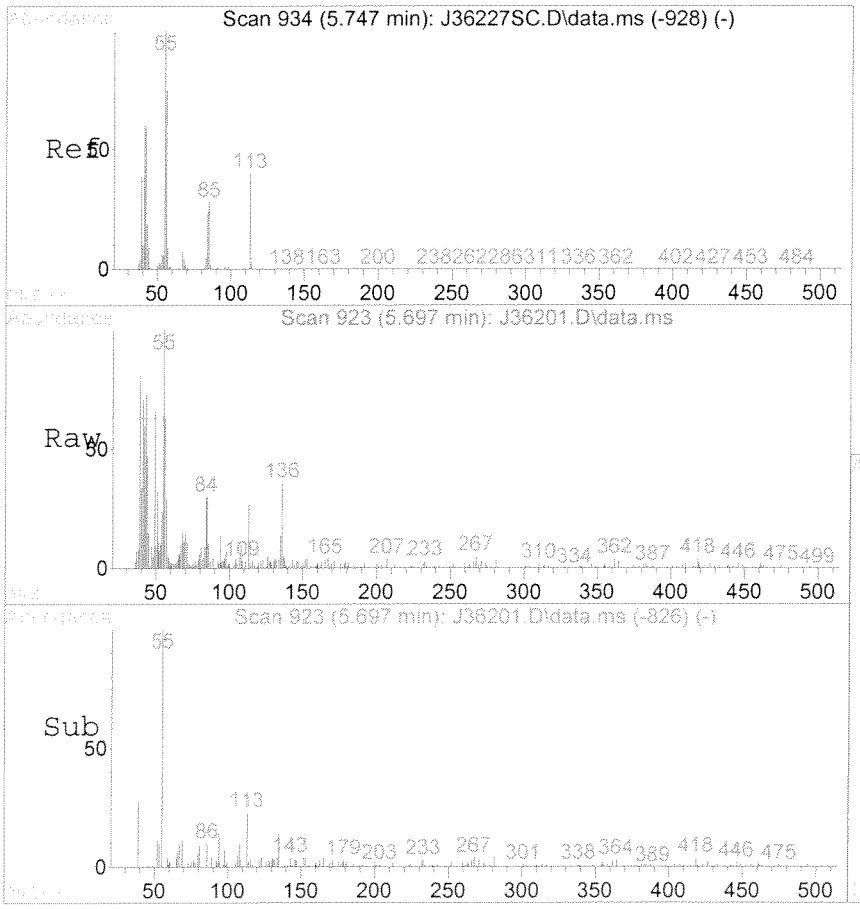


#2
BENZALDEHYDE
Concen: 1.58 ug/ml
RT: 3.731 min Scan# 502
Delta R.T. 0.243 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion: 77 Resp: 11029

Ion	Ratio	Lower	Upper
77	100		
105	87.7	84.4	126.6
51	73.2	76.0	114.0#

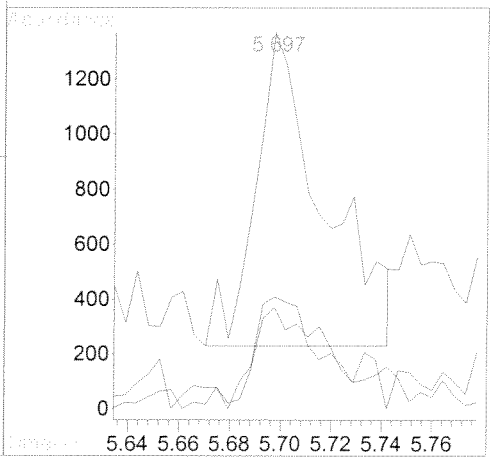




#24
CAPROLACTAM
Concen: 0.29 ug/ml
RT: 5.697 min Scan# 923
Delta R.T. -0.049 min
Lab File: J36201.D
Acq: 15 Oct 2010 6:38 am

Tgt Ion: 55 Resp: 2147

Ion	Ratio	Lower	Upper
55	100		
113	0.0	20.6	30.8#
85	50.2	13.8	20.8#



SEMI-VOLATILE
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:SVOCQC.doc

SEMIVOLATILE ORGANIC AQUEOUS
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 68000

SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 3 (%)	#	SMC 4 (%)	#	SMC 5 (%)	#	SMC 6 (%)	#
B101210AW,,RR	51		38		79		84		92		84	
L101210AW,,RR	54		38		80		87		97		97	
LD101210AW,,RR	52		37		77		82		96		97	
68000-2	32		31		74		80		54		70	

		Lower Limit	Upper Limit
SMC #1 =	2-Fluorophenol	20	110
SMC #2 =	d5-Phenol	15	110
SMC #3 =	d5-nitrobenzene	40	110
SMC #4 =	2-Fluorobiphenyl	50	110
SMC #5 =	2,4,6-Tribromophenol	40	110
SMC #6 =	d14-p-terphenyl	50	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

SVOA FORM 2

SEMIVOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

10/17/10

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B101210AW,,RR
Spike: L101210AW,,RR
Spike duplicate: LD101210AW,,RR

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Pyridine	40	30	65	25	0.0	19	48		19	47		1	
N-nitrosodimethylamine	40	25	110	25	0.0	21	53		21	53		1	
Aniline	40	40	140	25	0.0	29	72		28	71		2	
Phenol	80	30	115	42	0.0	34	42		33	41		3	
2-Chlorophenol	80	35	105	40	0.0	58	73		57	71		3	
bis(2-chloroethyl) ether	40	35	110	25	0.0	30	74		29	71		4	
1,3-Dichlorobenzene	40	40	100	25	0.0	29	72		28	70		3	
1,4-Dichlorobenzene	40	40	100	28	0.0	29	73		28	71		2	
1,2-Dichlorobenzene	40	40	100	25	0.0	27	67		26	66		2	
Benzyl Alcohol	40	30	110	25	0.0	34	85		34	84		1	
2-Methylphenol	80	40	110	25	0.0	56	70		55	68		2	
bis(2-chloroisopropyl)ether	40	40	130	25	0.0	32	80		31	77		4	
3+4-Methylphenol	80	30	110	25	0.0	54	67		53	67		1	
Hexachloroethane	40	40	95	25	0.0	31	78		30	76		2	
N-nitroso-di-n-propylamine	40	65	130	38	0.0	36	90		35	88		2	
Nitrobenzene	40	45	100	25	0.0	31	77		30	74		3	
Isophorone	40	50	110	25	0.0	34	85		33	82		3	
2-Nitrophenol	80	40	115	25	0.0	66	82		64	80		2	
2,4-Dimethylphenol	80	30	110	25	0.0	57	72		55	69		4	
Bis(2-chloroethoxy)methane	40	45	105	25	0.0	32	79		31	77		3	
2,4-Dichlorophenol	80	50	105	25	0.0	66	82		63	79		4	
Benzoic Acid	80	10	125	25	0.0	26	33		31	38		16	
1,2,4-Trichlorobenzene	40	35	105	28	0.0	30	76		29	72		5	
Naphthalene	40	40	100	25	0.0	30	76		29	72		4	
4-Chloroaniline	40	40	110	25	0.0	37	92		36	90		2	
Hexachlorobutadiene	40	30	105	25	0.0	32	79		30	75		5	
4-Chloro-3-methylphenol	80	45	110	42	0.0	67	83		64	81		3	
2-Methylnaphthalene	40	45	105	25	0.0	32	80		31	77		4	
Hexachlorocyclopentadiene	40	60	110	25	0.0	35	87		33	84		4	
2,4,6-Trichlorophenol	80	50	115	25	0.0	72	90		68	85		6	
2,4,5-Trichlorophenol	80	50	110	25	0.0	66	83		66	83		0	
2-Chloronaphthalene	40	50	105	25	0.0	33	83		32	79		4	
2-Nitroaniline	40	50	115	25	0.0	35	88		35	87		1	
2,6-Dinitrotoluene	40	50	115	25	0.0	30	74		31	78		4	
Dimethyl Phthalate	40	40	125	25	0.0	34	85		34	86		1	
Acenaphthylene	40	50	105	25	0.0	34	84		32	81		4	
3-Nitroaniline	40	20	125	25	0.0	41	102		41	102		0	
Acenaphthene	40	45	110	31	0.0	33	82		31	79		4	
2,4-dinitrophenol	80	30	140	25	0.0	71	89		72	90		2	
Dibenzofuran	40	55	105	25	0.0	33	81		32	81		1	
4-Nitrophenol	80	30	125	50	0.0	38	48		38	48		0	
2,4-Dinitrotoluene	40	50	120	38	0.0	38	95		38	96		0	
Fluorene	40	50	110	25	0.0	33	83		32	80		4	
Diethyl Phthalate	40	40	120	25	0.0	36	90		36	91		1	
4-Chlorophenyl phenyl ether	40	50	110	25	0.0	37	93		36	90		3	
4-Nitroaniline	40	35	120	25	0.0	38	96		39	98		3	
4,6-Dinitro-2-methylphenol	80	40	130	25	0.0	66	82		67	83		1	

SVOA FORM 3

J101910

SEMIVOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B101210AW,,RR
Spike: L101210AW,,RR
Spike duplicate: LD101210AW,,RR

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#	
n-nitrosodiphenylamine	40	50	110	25	0.0	36	90		36	89		1		
Azobenzene	40	55	115	25	0.0	34	85		35	86		1		
Biphenyl	40	35	100	25	0.0	35	88		33	84		5		
4-bromophenyl phenyl ether	40	50	115	25	0.0	37	92		36	91		2		
Hexachlorobenzene	40	50	110	25	0.0	36	90		36	90		1		
Pentachlorophenol	80	40	115	50	0.0	77	97		76	95		1		
Phenanthrene	40	50	115	25	0.0	39	97		31	78		22		
Anthracene	40	55	110	25	0.0	30	74		29	73		1		
Carbazole	80	50	115	25	0.0	91	113		102	127	*	11		Marginal
Di-n-butyl phthalate	40	55	115	25	0.0	31	78		32	79		1		
Fluoranthene	40	55	115	25	0.0	30	74		31	77		3		
Benzidine	80	10	200	25	0.0	159	198		162	203	*	2		Est.
Pyrene	40	50	130	31	0.0	36	90		36	90		0		
Butyl benzyl phthalate	40	45	115	25	0.0	38	96		39	96		0		
Benzo[a]anthracene	40	55	110	25	0.0	36	91		37	93		3		
Chrysene	40	55	110	25	0.0	38	96		38	94		2		
3,3'-Dichlorobenzidine	80	40	110	25	0.0	90	112	*	92	115	*	2		Marginal
Bis (2-ethylhexyl) phthalate	40	40	125	25	6.7	43	91		43	91		0		
di-n-octyl-phthalate	40	40	135	25	0.0	35	87		35	88		2		
Benzo[b] fluoranthene	40	45	120	25	0.0	37	92		37	94		1		
Benzo[k] fluoranthene	40	45	125	25	0.0	37	93		38	94		1		
Benzo[a] pyrene	40	55	110	25	0.0	31	79		32	81		2		
Indeno [1,2,3-cd] pyrene	40	45	125	25	0.0	35	89		36	91		3		
Dibenz [a,h] anthracene	40	40	125	25	0.0	36	90		37	93		3		
Benzo(g,h,i) perylene	40	40	125	25	0.0	37	92		37	93		1		

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

SVOA FORM 3

SEMIVOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B101210AW,,RR
Spike: L101210AW,,RR
Spike duplicate: LD101210AW,,RR

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Pyridine	40	30	65	25	0.0	19	48		19	47		1	
N-nitrosodimethylamine	40	25	110	25	0.0	21	53		21	53		1	
Aniline	40	40	140	25	0.0	29	72		28	71		2	
Phenol	80	30	115	42	0.0	34	42		33	41		3	
2-Chlorophenol	80	35	105	40	0.0	58	73		57	71		3	
bis(2-chloroethyl) ether	40	35	110	25	0.0	30	74		29	71		4	
1,3-Dichlorobenzene	40	40	100	25	0.0	29	72		28	70		3	
1,4-Dichlorobenzene	40	40	100	28	0.0	29	73		28	71		2	
1,2-Dichlorobenzene	40	40	100	25	0.0	27	67		26	66		2	
Benzyl Alcohol	40	30	110	25	0.0	34	85		34	84		1	
2-Methylphenol	80	40	110	25	0.0	56	70		55	68		2	
bis(2-chloroisopropyl)ether	40	40	130	25	0.0	32	80		31	77		4	
3+4-Methylphenol	80	30	110	25	0.0	54	67		53	67		1	
Hexachloroethane	40	40	95	25	0.0	31	78		30	76		2	
N-nitroso-di-n-propylamine	40	65	130	38	0.0	36	90		35	88		2	
Nitrobenzene	40	45	100	25	0.0	31	77		30	74		3	
Isophorone	40	50	110	25	0.0	34	85		33	82		3	
2-Nitrophenol	80	40	115	25	0.0	66	82		64	80		2	
2,4-Dimethylphenol	80	30	110	25	0.0	57	72		55	69		4	
Bis(2-chloroethoxy)methane	40	45	105	25	0.0	32	79		31	77		3	
2,4-Dichlorophenol	80	50	105	25	0.0	66	82		63	79		4	
Benzoic Acid	80	10	125	25	0.0	26	33		31	38		16	
1,2,4-Trichlorobenzene	40	35	105	28	0.0	30	76		29	72		5	
Naphthalene	40	40	100	25	0.0	30	76		29	72		4	
4-Chloroaniline	40	40	110	25	0.0	37	92		36	90		2	
Hexachlorobutadiene	40	30	105	25	0.0	32	79		30	75		5	
4-Chloro-3-methylphenol	80	45	110	42	0.0	67	83		64	81		3	
2-Methylnaphthalene	40	45	105	25	0.0	32	80		31	77		4	
Hexachlorocyclopentadiene	40	60	110	25	0.0	35	87		33	84		4	
2,4,6-Trichlorophenol	80	50	115	25	0.0	72	90		68	85		6	
2,4,5-Trichlorophenol	80	50	110	25	0.0	66	83		66	83		0	
2-Chloronaphthalene	40	50	105	25	0.0	33	83		32	79		4	
2-Nitroaniline	40	50	115	25	0.0	35	88		35	87		1	
2,6-Dinitrotoluene	40	50	115	25	0.0	30	74		31	78		4	
Dimethyl Phthalate	40	40	125	25	0.0	34	85		34	86		1	
Acenaphthylene	40	50	105	25	0.0	34	84		32	81		4	
3-Nitroaniline	40	20	125	25	0.0	41	102		41	102		0	
Acenaphthene	40	45	110	31	0.0	33	82		31	79		4	
2,4-dinitrophenol	80	30	140	25	0.0	71	89		72	90		2	
Dibenzofuran	40	55	105	25	0.0	33	81		32	81		1	
4-Nitrophenol	80	30	125	50	0.0	38	48		38	48		0	
2,4-Dinitrotoluene	40	50	120	38	0.0	38	95		38	96		0	
Fluorene	40	50	110	25	0.0	33	83		32	80		4	
Diethyl Phthalate	40	40	120	25	0.0	36	90		36	91		1	
4-Chlorophenyl phenyl ether	40	50	110	25	0.0	37	93		36	90		3	
4-Nitroaniline	40	35	120	25	0.0	38	96		39	98		3	
4,6-Dinitro-2-methylphenol	80	40	130	25	0.0	66	82		67	83		1	

SVOA FORM 3

SEMIVOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B101210AW,,RR
Spike: L101210AW,,RR
Spike duplicate: LD101210AW,,RR

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
n-nitrosodiphenylamine	40	50	110	25	0.0	36	90		36	89		1	
Azobenzene	40	55	115	25	0.0	34	85		35	86		1	
Biphenyl	40	35	100	25	0.0	35	88		33	84		5	
4-bromophenyl phenyl ether	40	50	115	25	0.0	37	92		36	91		2	
Hexachlorobenzene	40	50	110	25	0.0	36	90		36	90		1	
Pentachlorophenol	80	40	115	50	0.0	77	97		76	95		1	
Phenanthrene	40	50	115	25	0.0	39	97		31	78		22	
Anthracene	40	55	110	25	0.0	30	74		29	73		1	
Carbazole	80	50	115	25	0.0	91	113		102	127	*	11	
Di-n-butyl phthalate	40	55	115	25	0.0	31	78		32	79		1	
Fluoranthene	40	55	115	25	0.0	30	74		31	77		3	
Benzidine	80	10	200	25	0.0	159	198		162	203	*	2	
Pyrene	40	50	130	31	0.0	36	90		36	90		0	
Butyl benzyl phthalate	40	45	115	25	0.0	38	96		39	96		0	
Benzo[a]anthracene	40	55	110	25	0.0	36	91		37	93		3	
Chrysene	40	55	110	25	0.0	38	96		38	94		2	
3,3'-Dichlorobenzidine	80	40	110	25	0.0	90	112	*	92	115	*	2	
Bis (2-ethylhexyl) phthalate	40	40	125	25	6.7	43	91		43	91		0	
di-n-octyl-phthalate	40	40	135	25	0.0	35	87		35	88		2	
Benzo[b] fluoranthene	40	45	120	25	0.0	37	92		37	94		1	
Benzo[k] fluoranthene	40	45	125	25	0.0	37	93		38	94		1	
Benzo[a] pyrene	40	55	110	25	0.0	31	79		32	81		2	
Indeno [1,2,3-cd] pyrene	40	45	125	25	0.0	35	89		36	91		3	
Dibenz [a,h] anthracene	40	40	125	25	0.0	36	90		37	93		3	
Benzo(g,h,i) perylene	40	40	125	25	0.0	37	92		37	93		1	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

SVOA FORM 3

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36197Q.D
Acq On : 15 Oct 2010 5:14 am
Operator : AR/MG
Sample : L101210AW,,RR
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 23:10:04 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.965	152	424798	40.00	ug/ml	0.00
19) d8-Naphthalene	5.265	136	1265401	40.00	ug/ml	0.00
35) d10-Acenaphthene	6.981	164	748764	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.412	188	1314122	40.00	ug/ml	0.00
71) d12-Chrysene	10.959	240	1133163	40.00	ug/ml	0.00
79) d12-Perylene	12.400	264	1197664	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.599	112	505633	40.71	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 54.28%			
5) d5-Phenol	3.656	99	417497	28.79	ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 38.39%			
20) d5-nitrobenzene	4.554	82	437418	40.05	ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 80.10%			
39) 2-Fluorobiphenyl	6.356	172	1021290	43.41	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 86.82%			
60) 2,4,6-Tribromophenol	7.753	330	291774	72.42	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 96.56%			
73) d14-p-terphenyl	9.974	244	999416	48.46	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 96.92%			

Target Compounds						Qvalue
2) Pyridine	1.444	79	263576	19.06	ug/ml	92
3) N-nitrosodimethylamine	1.420	74	159561	21.21	ug/ml	92
6) Aniline	3.637	93	566386	28.92	ug/ml	95
7) Phenol	3.670	94	504479	33.92	ug/ml	89
8) 2-Chlorophenol	3.759	128	760124	58.28	ug/ml	94
9) bis(2-chloroethyl) ether	3.731	63	371754	29.64	ug/ml	99
10) 1,3-Dichlorobenzene	3.899	146	483640	28.78	ug/ml	99
11) 1,4-Dichlorobenzene	3.983	146	467154	29.06	ug/ml	99
12) 1,2-Dichlorobenzene	4.133	146	438779	26.99	ug/ml	98
13) Benzyl Alcohol	4.152	108	240558	33.97	ug/ml	96
14) 2-Methylphenol	4.292	108	593396	55.98	ug/ml	99
15) bis(2-chloroisopropyl)...	4.287	45	753960	32.08	ug/ml	99
16) 3+4-Methylphenol	4.465	108	560999	53.92	ug/ml	99
17) Hexachloroethane	4.474	117	146887	31.11	ug/ml	99
18) N-nitroso-di-n-propyla...	4.442	70	257872	36.03	ug/ml	95
21) Nitrobenzene	4.573	123	186536	30.60	ug/ml	95
22) Isophorone	4.848	82	689692	33.96	ug/ml	99
23) 2-Nitrophenol	4.895	139	473922	65.59	ug/ml	98
24) 2,4-Dimethylphenol	4.993	107	675414	57.36	ug/ml	99
25) Bis(2-chloroethoxy)met...	5.082	93	435941	31.62	ug/ml	100
26) 2,4-Dichlorophenol	5.157	162	715468	65.82	ug/ml	98

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36197Q.D
Acq On : 15 Oct 2010 5:14 am
Operator : AR/MG
Sample : L101210AW,,RR
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 23:10:04 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.190	105	162253	26.20 ug/ml	85
28) 1,2,4-Trichlorobenzene	5.213	180	400967	30.45 ug/ml	99
29) Naphthalene	5.283	128	1017333	30.31 ug/ml	99
30) 2,6-Dichlorophenol	5.377	162	340918	35.04 ug/ml	87
31) 4-Chloroaniline	5.372	127	486896	36.63 ug/ml	94
32) Hexachlorobutadiene	5.424	225	242978	31.70 ug/ml	99
33) 4-Chloro-3-methylphenol	5.899	107	633966	66.54 ug/ml	100
34) 2-Methylnaphthalene	5.975	141	645801	32.10 ug/ml	98
36) Hexachlorocyclopentadiene	6.132	237	266624	34.82 ug/ml	100
37) 2,4,6-Trichlorophenol	6.280	196	566127	71.87 ug/ml	98
38) 2,4,5-Trichlorophenol	6.315	196	594326	66.01 ug/ml	96
40) 2-Chloronaphthalene	6.450	162	679400	33.18 ug/ml	100
41) 2-Nitroaniline	6.575	138	344044	35.10 ug/ml	96
42) 2,6-Dinitrotoluene	6.826	165	185986	29.70 ug/ml	91
43) Dimethyl Phthalate	6.777	163	966569	34.03 ug/ml	100
44) Acenaphthylene	6.840	152	1191565	33.73 ug/ml	99
45) 3-Nitroaniline	6.986	138	225313	40.77 ug/ml	94
46) Acenaphthene	7.015	153	727249	32.73 ug/ml	98
47) 2,4-dinitrophenol	7.093	184	275229	70.82 ug/ml	96
48) Dibenzofuran	7.185	168	1177661	32.59 ug/ml	100
49) 4-Nitrophenol	7.204	109	113190	38.25 ug/ml	97
50) 2,4-Dinitrotoluene	7.214	165	303879	38.09 ug/ml	91
51) 2,3,4,6-Tetrachlorophenol	7.321	232	305073	42.17 ug/ml	99
52) Fluorene	7.515	166	881297	33.12 ug/ml	99
53) Diethyl Phthalate	7.466	149	970629	36.18 ug/ml	97
54) 4-Chlorophenyl phenyl ...	7.534	204	470908	37.36 ug/ml#	91
55) 4-Nitroaniline	7.588	138	227454	38.22 ug/ml#	24
56) 4,6-Dinitro-2-methylph...	7.612	198	350134	65.72 ug/ml	93
57) n-nitrosodiphenylamine	7.661	169	693147	35.97 ug/ml	90
58) Azobenzene	7.690	77	783842	34.05 ug/ml	95
59) Biphenyl	6.441	154	846076	35.05 ug/ml	100
62) 4-bromophenyl phenyl e...	8.003	248	321735	37.00 ug/ml	99
63) Hexachlorobenzene	8.039	284	335269	36.01 ug/ml	93
64) Pentachlorophenol	8.250	266	426307	77.27 ug/ml	99
65) Phenanthrene	8.435	178	1487356	38.99 ug/ml#	95
66) Anthracene	8.480	178	1163422	29.68 ug/ml	100
67) Carbazole	8.664	167	1979550	90.62 ug/ml	99
68) Di-n-butyl phthalate	9.043	149	1451136	31.29 ug/ml	100
69) Fluoranthene	9.570	202	1258524	29.67 ug/ml	99
70) Benzidine	9.743	184	1120200	158.64 ug/ml#	98
72) Pyrene	9.783	202	1355398	35.92 ug/ml	99
74) Butyl benzyl phthalate	10.476	149	690184	38.35 ug/ml	100
75) Benzo[a]anthracene	10.940	228	1149491	36.32 ug/ml	98

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36197Q.D
Acq On : 15 Oct 2010 5:14 am
Operator : AR/MG
Sample : L101210AW,,RR
Misc :
ALS Vial : 4 Sample Multiplier: 1

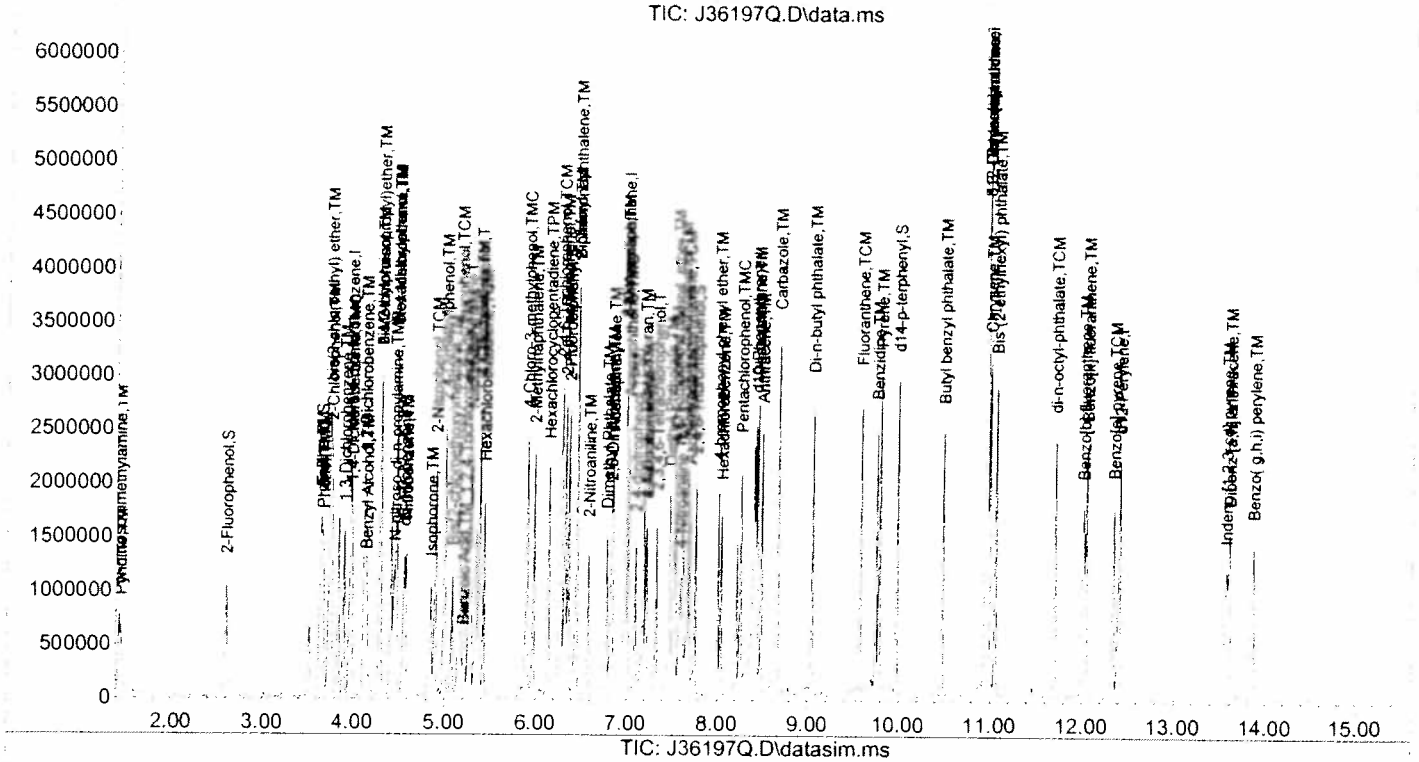
Quant Time: Oct 17 23:10:04 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

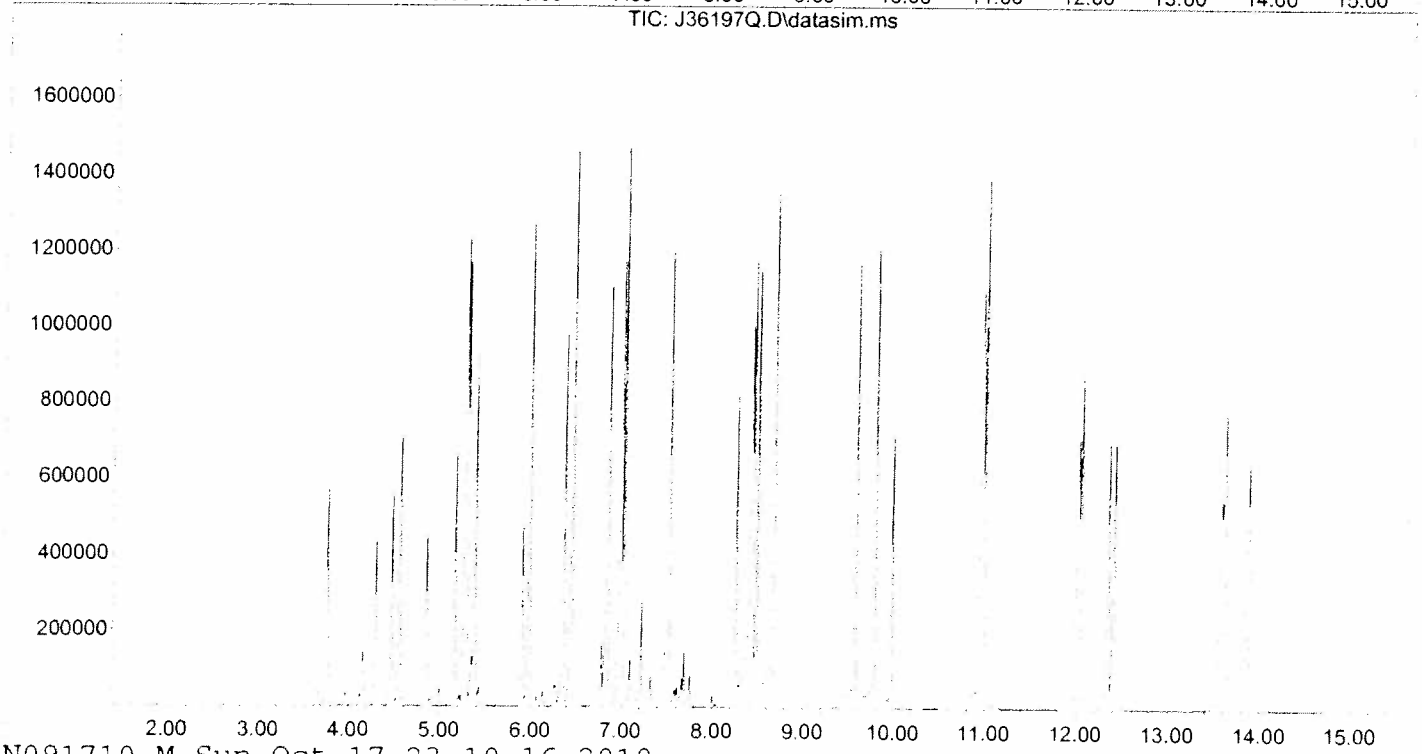
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	10.982	228	1210516	38.25 ug/ml	99
77) 3,3'-Dichlorobenzidine	10.952	252	745896	89.94 ug/ml#	98
78) Bis (2-ethylhexyl) pht...	11.050	149	993826	43.09 ug/ml	99
80) di-n-octyl-phthalate	11.694	149	1559657	34.61 ug/ml	98
81) Benzo[b] fluoranthene	12.004	252	1336643	36.90 ug/ml	99
82) Benzo[k] fluoranthene	12.036	252	1190833	37.29 ug/ml	99
83) Benzo[a] pyrene	12.335	252	1092903	31.42 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	13.565	276	1022222m	35.41 ug/ml	
85) Dibenz [a,h] anthracene	13.601	278	1064295	36.13 ug/ml	99
86) Benzo(g,h,i) perylene	13.864	276	1163592	36.91 ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36197Q.D
Acq On : 15 Oct 2010 5:14 am
Operator : AR/MG
Sample : L101210AW,,RR
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 17 23:10:04 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration



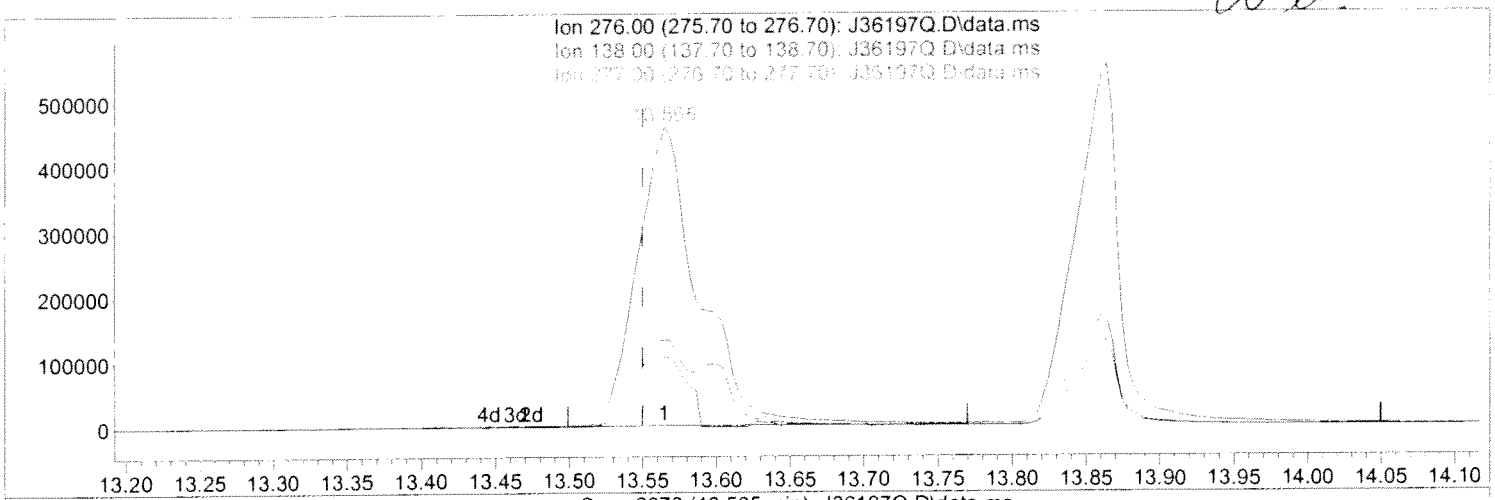


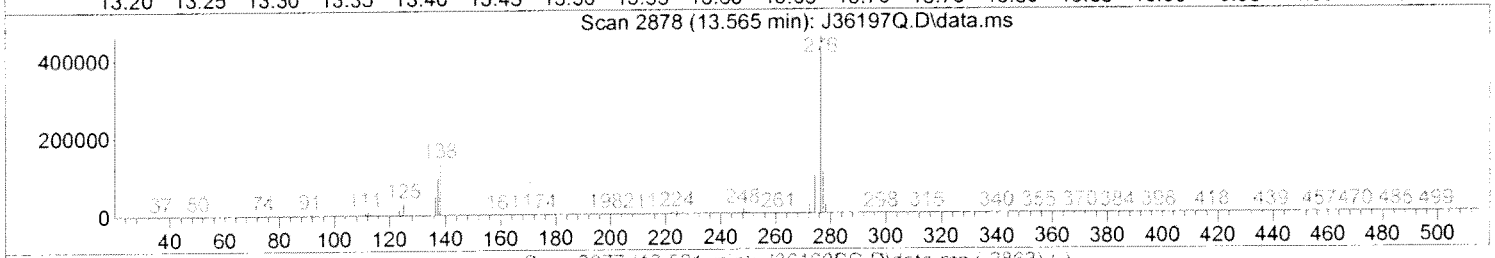
Quantitation Report (Qedit)

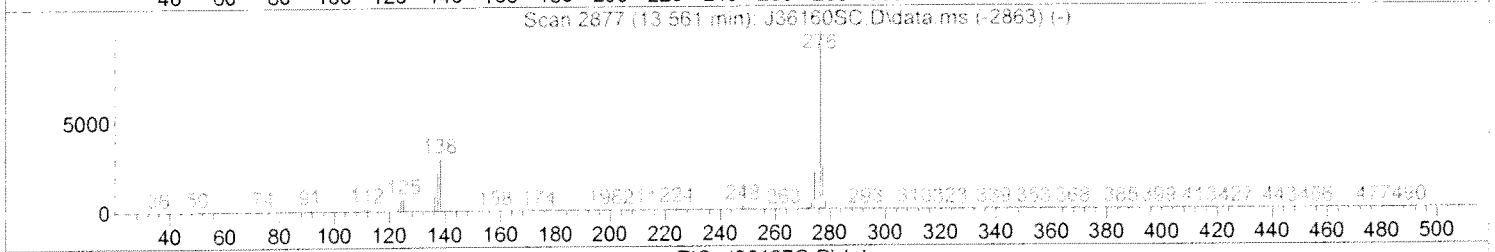
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36197Q.D
Acq On : 15 Oct 2010 5:14 am
Operator : AR/MG
Sample : L101210AW,,RR
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 15 20:48:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/17/10







TIC: J36197Q.D\data.ms

(84) Indeno [1,2,3-cd] pyrene (TM)

13.565min (+0.014) 46.27ug/ml

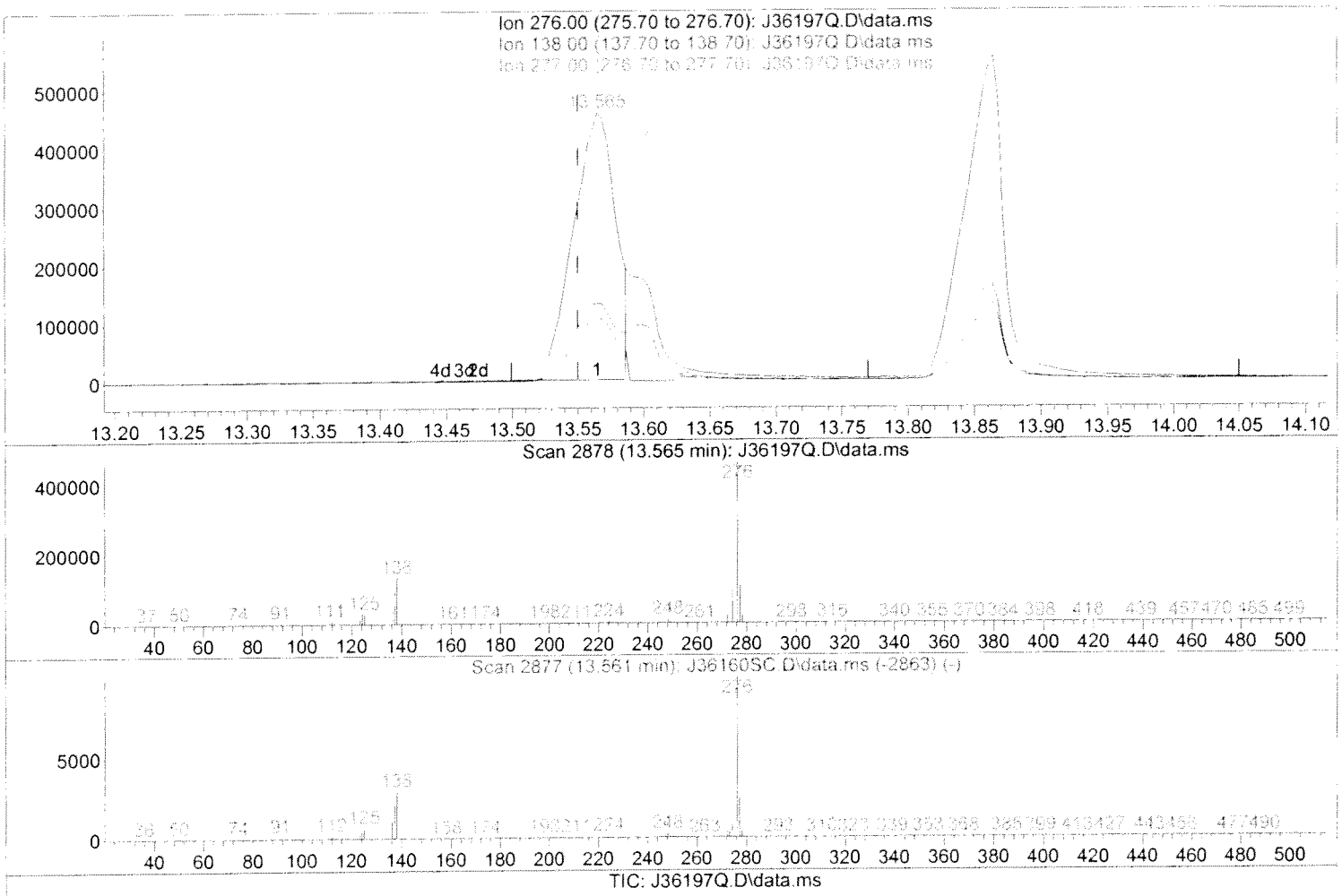
response 1335667

Ion	Exp%	Act%
276.00	100	100
138.00	31.60	23.94#
277.00	27.30	18.98#
0.00	0.00	0.00

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36197Q.D
Acq On : 15 Oct 2010 5:14 am
Operator : AR/MG
Sample : L101210AW,,RR
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 15 20:48:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/17/10



(84) Indeno [1,2,3-cd] pyrene (TM)

13.565min (+0.014) 35.41ug/ml m

response 1022222

Ion	Exp%	Act%
276.00	100	100
138.00	31.60	31.28
277.00	27.30	24.81
0.00	0.00	0.00

J101810

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36198Q.D
Acq On : 15 Oct 2010 5:35 am
Operator : AR/MG
Sample : LD101210AW,,RR
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 17 23:10:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/17/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.965	152	412192	40.00 ug/ml	0.00
19) d8-Naphthalene	5.265	136	1242339	40.00 ug/ml	0.00
35) d10-Acenaphthene	6.981	164	726232	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.412	188	1279810	40.00 ug/ml	0.00
71) d12-Chrysene	10.956	240	1104610	40.00 ug/ml	0.00
79) d12-Perylene	12.404	264	1145261	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	2.599	112	471935	39.16 ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 52.21%		
5) d5-Phenol	3.656	99	387111	27.52 ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 36.69%		
20) d5-nitrobenzene	4.554	82	410810	38.32 ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 76.64%		
39) 2-Fluorobiphenyl	6.356	172	943305	41.11 ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 82.22%		
60) 2,4,6-Tribromophenol	7.753	330	281725	72.10 ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 96.13%		
73) d14-p-terphenyl	9.974	244	974120	48.46 ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 96.92%		

Target Compounds					Qvalue
2) Pyridine	1.444	79	253187	18.87 ug/ml	93
3) N-nitrosodimethylamine	1.425	74	153710	21.06 ug/ml	91
6) Aniline	3.637	93	536977	28.26 ug/ml#	89
7) Phenol	3.670	94	473541	32.81 ug/ml#	64
8) 2-Chlorophenol	3.759	128	717554	56.70 ug/ml	94
9) bis(2-chloroethyl) ether	3.731	63	347859	28.58 ug/ml	100
10) 1,3-Dichlorobenzene	3.899	146	455099	27.91 ug/ml	99
11) 1,4-Dichlorobenzene	3.983	146	442664	28.38 ug/ml	99
12) 1,2-Dichlorobenzene	4.133	146	417688	26.47 ug/ml	97
13) Benzyl Alcohol	4.152	108	230897	33.60 ug/ml	98
14) 2-Methylphenol	4.292	108	563053	54.74 ug/ml	99
15) bis(2-chloroisopropyl)...	4.287	45	709022	30.94 ug/ml	99
16) 3+4-Methylphenol	4.465	108	537750	53.26 ug/ml	99
17) Hexachloroethane	4.474	117	139868	30.47 ug/ml	98
18) N-nitroso-di-n-propyla...	4.442	70	245781	35.40 ug/ml	95
21) Nitrobenzene	4.573	123	177224	29.61 ug/ml	94
22) Isophorone	4.844	82	656460	32.92 ug/ml	100
23) 2-Nitrophenol	4.895	139	455490	64.21 ug/ml	98
24) 2,4-Dimethylphenol	4.998	107	635451	54.97 ug/ml	100
25) Bis(2-chloroethoxy)met...	5.082	93	415955	30.73 ug/ml	99
26) 2,4-Dichlorophenol	5.157	162	673113	63.07 ug/ml	99

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36198Q.D
Acq On : 15 Oct 2010 5:35 am
Operator : AR/MG
Sample : LD101210AW,,RR
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 17 23:10:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.195	105	192483	30.79 ug/ml	89
28) 1,2,4-Trichlorobenzene	5.213	180	374741	28.98 ug/ml	99
29) Naphthalene	5.284	128	955123	28.98 ug/ml	99
30) 2,6-Dichlorophenol	5.377	162	324200	33.94 ug/ml	88
31) 4-Chloroaniline	5.372	127	470337	35.94 ug/ml	96
32) Hexachlorobutadiene	5.424	225	227151	30.19 ug/ml	99
33) 4-Chloro-3-methylphenol	5.899	107	602536	64.42 ug/ml	100
34) 2-Methylnaphthalene	5.975	141	610957	30.93 ug/ml	97
36) Hexachlorocyclopentadiene	6.132	237	248811	33.47 ug/ml	100
37) 2,4,6-Trichlorophenol	6.275	196	517378	67.72 ug/ml	99
38) 2,4,5-Trichlorophenol	6.316	196	579042	66.30 ug/ml	98
40) 2-Chloronaphthalene	6.450	162	633123	31.73 ug/ml	100
41) 2-Nitroaniline	6.575	138	330816	34.80 ug/ml	95
42) 2,6-Dinitrotoluene	6.826	165	188421	31.02 ug/ml	97
43) Dimethyl Phthalate	6.777	163	948237	34.42 ug/ml	100
44) Acenaphthylene	6.840	152	1106536	32.30 ug/ml	99
45) 3-Nitroaniline	6.986	138	218635	40.79 ug/ml	94
46) Acenaphthene	7.015	153	678420	31.48 ug/ml	99
47) 2,4-dinitrophenol	7.093	184	273234	72.40 ug/ml	99
48) Dibenzofuran	7.185	168	1133601	32.34 ug/ml	99
49) 4-Nitrophenol	7.204	109	110327	38.44 ug/ml	99
50) 2,4-Dinitrotoluene	7.214	165	295797	38.23 ug/ml	92
51) 2,3,4,6-Tetrachlorophenol	7.321	232	285270	40.65 ug/ml	98
52) Fluorene	7.515	166	823659	31.92 ug/ml	99
53) Diethyl Phthalate	7.467	149	949396	36.48 ug/ml	98
54) 4-Chlorophenyl phenyl ...	7.534	204	443654	36.12 ug/ml#	93
55) 4-Nitroaniline	7.588	138	226346	39.24 ug/ml#	18
56) 4,6-Dinitro-2-methylph...	7.612	198	344316	66.66 ug/ml	100
57) n-nitrosodiphenylamine	7.665	169	664476	35.55 ug/ml	93
58) Azobenzene	7.690	77	770289	34.50 ug/ml	95
59) Biphenyl	6.446	154	787764	33.42 ug/ml	99
62) 4-bromophenyl phenyl e...	8.003	248	307343	36.29 ug/ml	98
63) Hexachlorobenzene	8.039	284	324864	35.83 ug/ml	95
64) Pentachlorophenol	8.250	266	409885	76.29 ug/ml	99
65) Phenanthrene	8.435	178	1162942	31.30 ug/ml#	96
66) Anthracene	8.484	178	1122297	29.40 ug/ml	100
67) Carbazole	8.665	167	2173881	101.53 ug/ml	98
68) Di-n-butyl phthalate	9.043	149	1430908	31.69 ug/ml	100
69) Fluoranthene	9.570	202	1268871	30.72 ug/ml	99
70) Benzidine	9.743	184	1117160	162.45 ug/ml#	98
72) Pyrene	9.783	202	1322619	35.96 ug/ml	98
74) Butyl benzyl phthalate	10.476	149	675604	38.51 ug/ml	100
75) Benzo[a]anthracene	10.937	228	1150812	37.30 ug/ml	99

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36198Q.D
Acq On : 15 Oct 2010 5:35 am
Operator : AR/MG
Sample : LD101210AW,,RR
Misc :
ALS Vial : 5 Sample Multiplier: 1

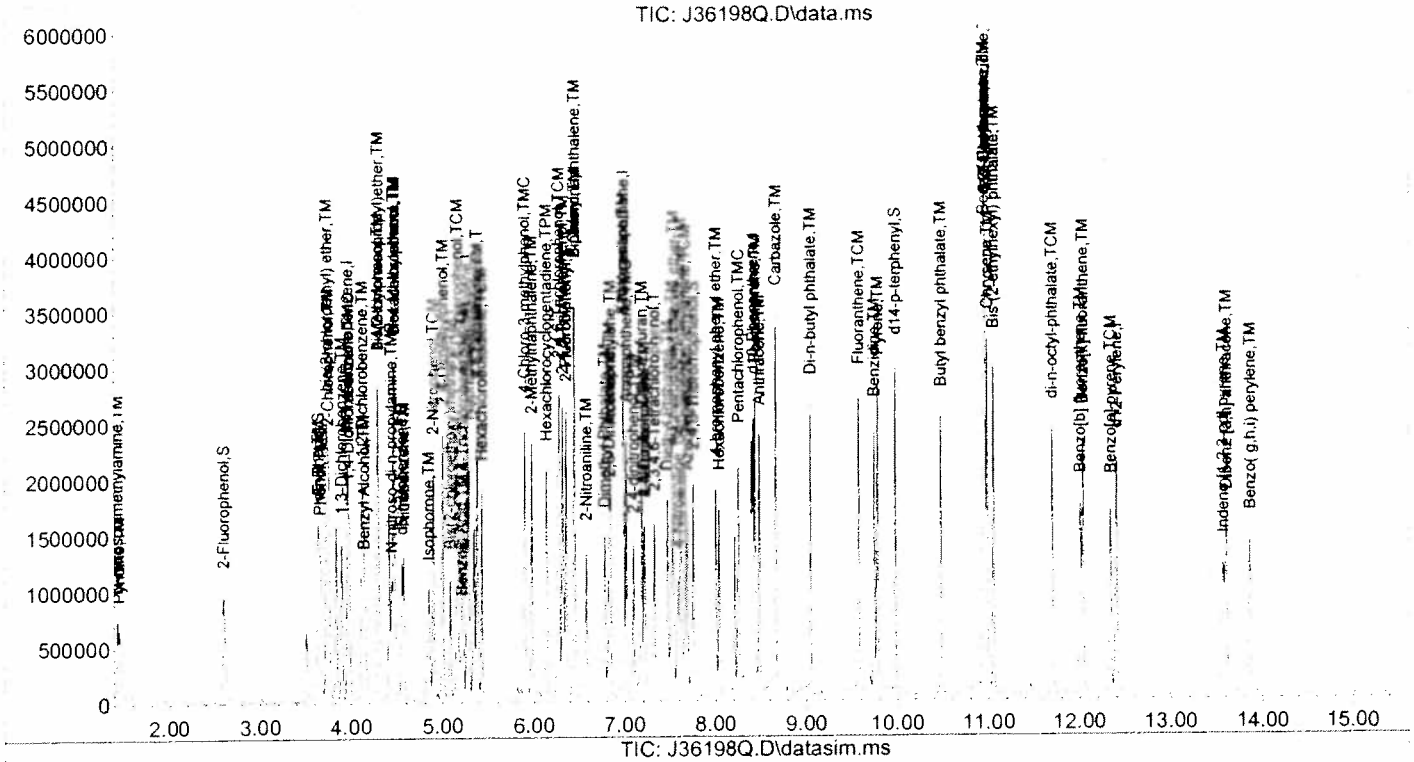
Quant Time: Oct 17 23:10:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

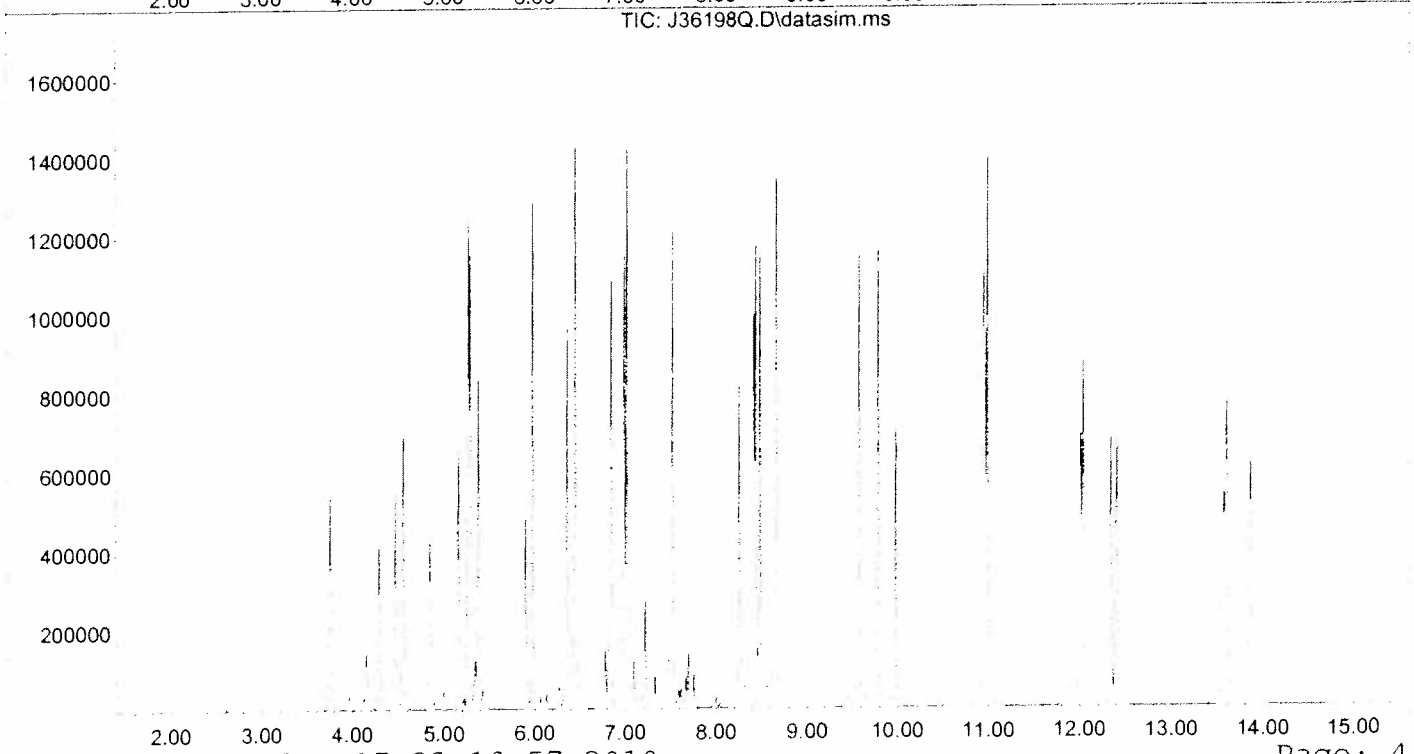
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	10.982	228	1158435	37.55 ug/ml	98
77) 3,3'-Dichlorobenzidine	10.952	252	741394	91.71 ug/ml#	97
78) Bis (2-ethylhexyl) pht...	11.050	149	973238	43.29 ug/ml	100
80) di-n-octyl-phthalate	11.694	149	1518711	35.25 ug/ml	98
81) Benzo[b] fluoranthene	12.004	252	1296018	37.42 ug/ml	100
82) Benzo[k] fluoranthene	12.033	252	1150600	37.77 ug/ml	100
83) Benzo[a] pyrene	12.336	252	1071146	32.21 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	13.565	276	1002507m	36.31 ug/ml	
85) Dibenz [a,h] anthracene	13.601	278	1046336	37.14 ug/ml	99
86) Benzo(g,h,i) perylene	13.860	276	1125737	37.34 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36198Q.D
Acq On : 15 Oct 2010 5:35 am
Operator : AR/MG
Sample : LD101210AW,,RR
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 17 23:10:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration



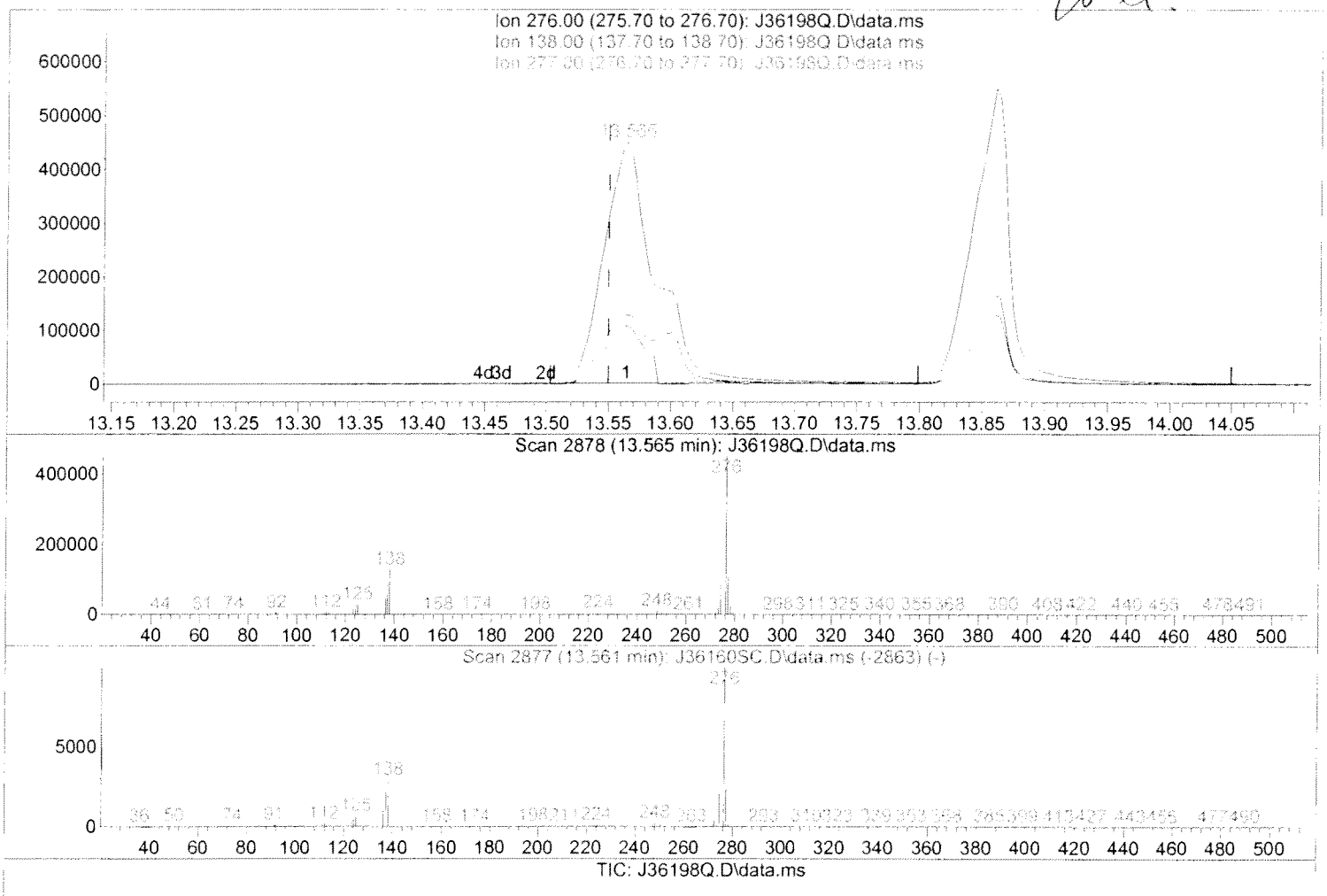


Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36198Q.D
Acq On : 15 Oct 2010 5:35 am
Operator : AR/MG
Sample : LD101210AW,,RR
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 20:48:40 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

MC 10/17/10

Co-el.



(84) Indeno [1,2,3-cd] pyrene (TM)

13.565min (+0.014) 47.44ug/ml

response 1309759

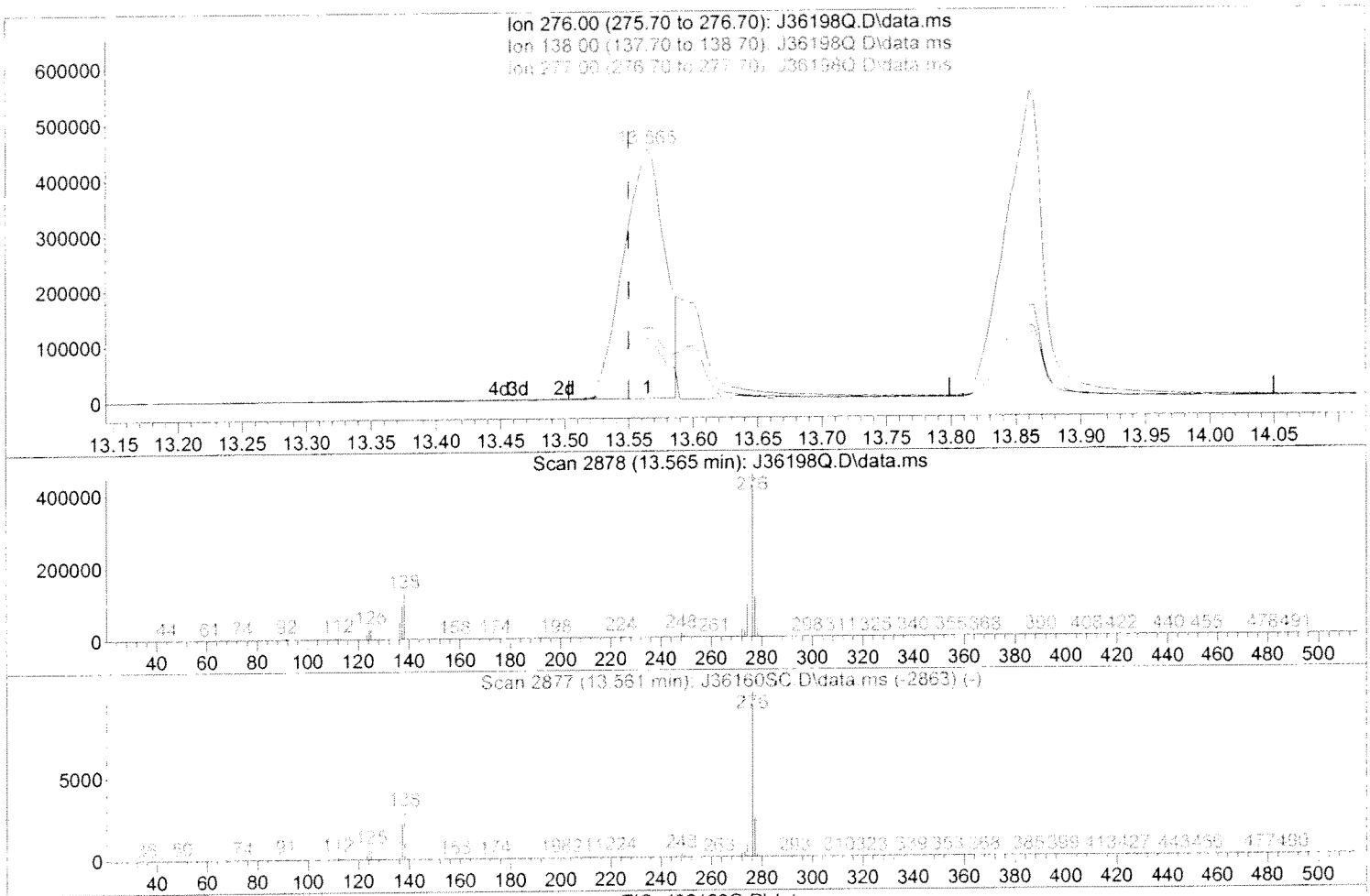
Ion	Exp%	Act%
276.00	100	100
138.00	31.60	24.00#
277.00	27.30	19.16#
0.00	0.00	0.00

J101810

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36198Q.D
Acq On : 15 Oct 2010 5:35 am
Operator : AR/MG
Sample : LD101210AW,,RR
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 15 20:48:40 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 20:46:52 2010
Response via : Initial Calibration

10/17/10



(84) Indeno [1,2,3-cd] pyrene (TM)

13.565min (+0.014) 36.31ug/ml m

response 1002507

Ion	Exp%	Act%
276.00	100	100
138.00	31.60	31.36
277.00	27.30	25.04
0.00	0.00	0.00

101820

SEMIVOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

10/18/10

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B101210AW,,RR
Spike: L101210AW,,RR
Spike duplicate: LD101210AW,,RR

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
BENZALDEHYDE	40	40	140	25	0.0	23	56		22	54		4	
n-Decane	40	40	140	25	0.0	27	67		26	65		3	
Acetophenone	40	40	140	25	0.0	31	78		30	75		3	
alpha-terpineol	40	40	140	25	0.0	34	84		33	82		2	
2,3-dichloroaniline	40	40	140	25	0.0	34	86		33	83		4	
CAPROLACTAM	40	40	140	25	0.0	10	24	*	10	24	*	1	
1,2,4,5-TETRACHLOROBENZEN	40	40	140	25	0.0	21	53		20	51		5	
ATRAZINE	40	40	140	25	0.0	19	48		21	53		8	
Octadecane	40	40	140	25	0.0	30	75		34	84		11	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments:

J101310

SVOA FORM 3

SEMIVOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 67980
Non-spiked sample: B101210AW,,RR
Spike: L101210AW,,RR
Spike duplicate: LD101210AW,,RR

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
BENZALDEHYDE	40	40	140	25	0.0	23	56		22	54		4	
n-Decane	40	40	140	25	0.0	27	67		26	65		3	
Acetophenone	40	40	140	25	0.0	31	78		30	75		3	
alpha-terpineol	40	40	140	25	0.0	34	84		33	82		2	
2,3-dichloroaniline	40	40	140	25	0.0	34	86		33	83		4	
CAPROLACTAM	40	40	140	25	0.0	10	24	*	10	24	*	1	
1,2,4,5-TETRACHLOROBENZEN	40	40	140	25	0.0	21	53		20	51		5	
ATRAZINE	40	40	140	25	0.0	19	48		21	53		8	
Octadecane	40	40	140	25	0.0	30	75		34	84		11	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery

Comments: _____

SVOA FORM 3

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36197Q.D
Acq On : 15 Oct 2010 5:14 am
Operator : AR/MG
Sample : L101210AW,,RR
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 18 00:26:05 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

10/18/10

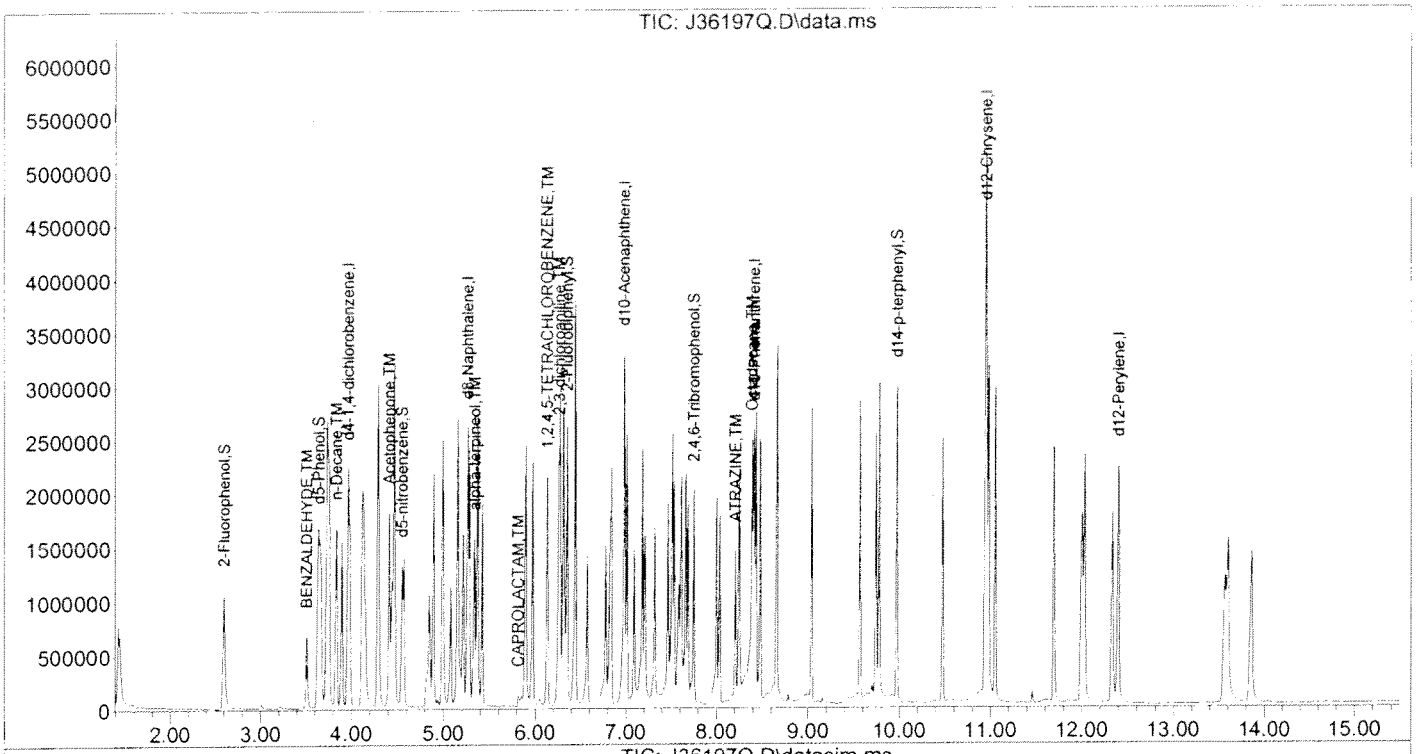
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.965	152	424741	40.00 ug/ml	0.02
19) d8-Naphthalene	5.265	136	1265356	40.00 ug/ml	0.02
35) d10-Acenaphthene	6.981	164	746963	40.00 ug/ml	0.02
61) d10-Phenanthrene	8.412	188	1314122	40.00 ug/ml	0.02
71) d12-Chrysene	10.959	240	1122769	40.00 ug/ml	0.03
79) d12-Perylene	12.400	264	1184427	40.00 ug/ml	0.03
System Monitoring Compounds					
4) 2-Fluorophenol	2.599	112	499762	40.21 ug/ml	0.01
Spiked Amount 75.000	Range 28 - 110		Recovery = 53.61%		
5) d5-Phenol	3.656	99	416188	28.70 ug/ml	0.01
Spiked Amount 75.000	Range 22 - 110		Recovery = 38.27%		
20) d5-nitrobenzene	4.554	82	436046	39.99 ug/ml	0.02
Spiked Amount 50.000	Range 45 - 107		Recovery = 79.98%		
39) 2-Fluorobiphenyl	6.356	172	1021290	43.46 ug/ml	0.02
Spiked Amount 50.000	Range 44 - 102		Recovery = 86.92%		
60) 2,4,6-Tribromophenol	7.753	330	291774	73.04 ug/ml	0.02
Spiked Amount 75.000	Range 63 - 127		Recovery = 97.39%		
73) d14-p-terphenyl	9.974	244	996206	48.67 ug/ml	0.02
Spiked Amount 50.000	Range 33 - 132		Recovery = 97.34%		
Target Compounds					Qvalue
2) BENZALDEHYDE	3.511	77	181527	22.57 ug/ml	99
3) n-Decane	3.838	57	509887	26.74 ug/ml	100
6) Acetophenone	4.409	105	530162	31.08 ug/ml	99
21) alpha-terpineol	5.340	93	165032	33.61 ug/ml	97
22) 2,3-dichloroaniline	6.262	161	464692	34.48 ug/ml	99
24) CAPROLACTAM	5.814	55	82379m	9.55 ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.141	216	271998	21.31 ug/ml	100
53) ATRAZINE	8.210	200	150278	19.30 ug/ml#	100
62) Octadecane	8.390	57	545177	30.12 ug/ml	100

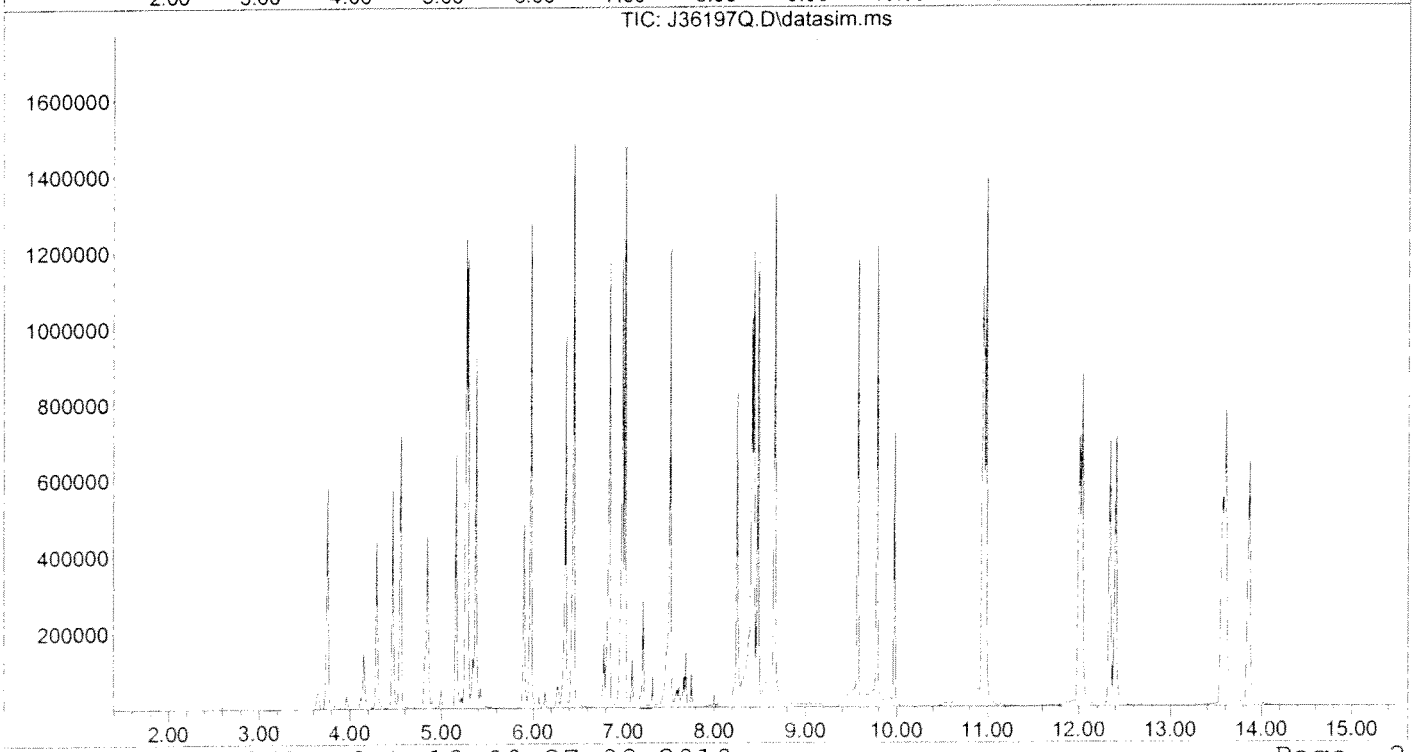
(#) = qualifier out of range (m) = manual integration (+) = signals summed

510130

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36197Q.D
Acq On : 15 Oct 2010 5:14 am
Operator : AR/MG
Sample : L101210AW,,RR
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 18 00:26:05 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration





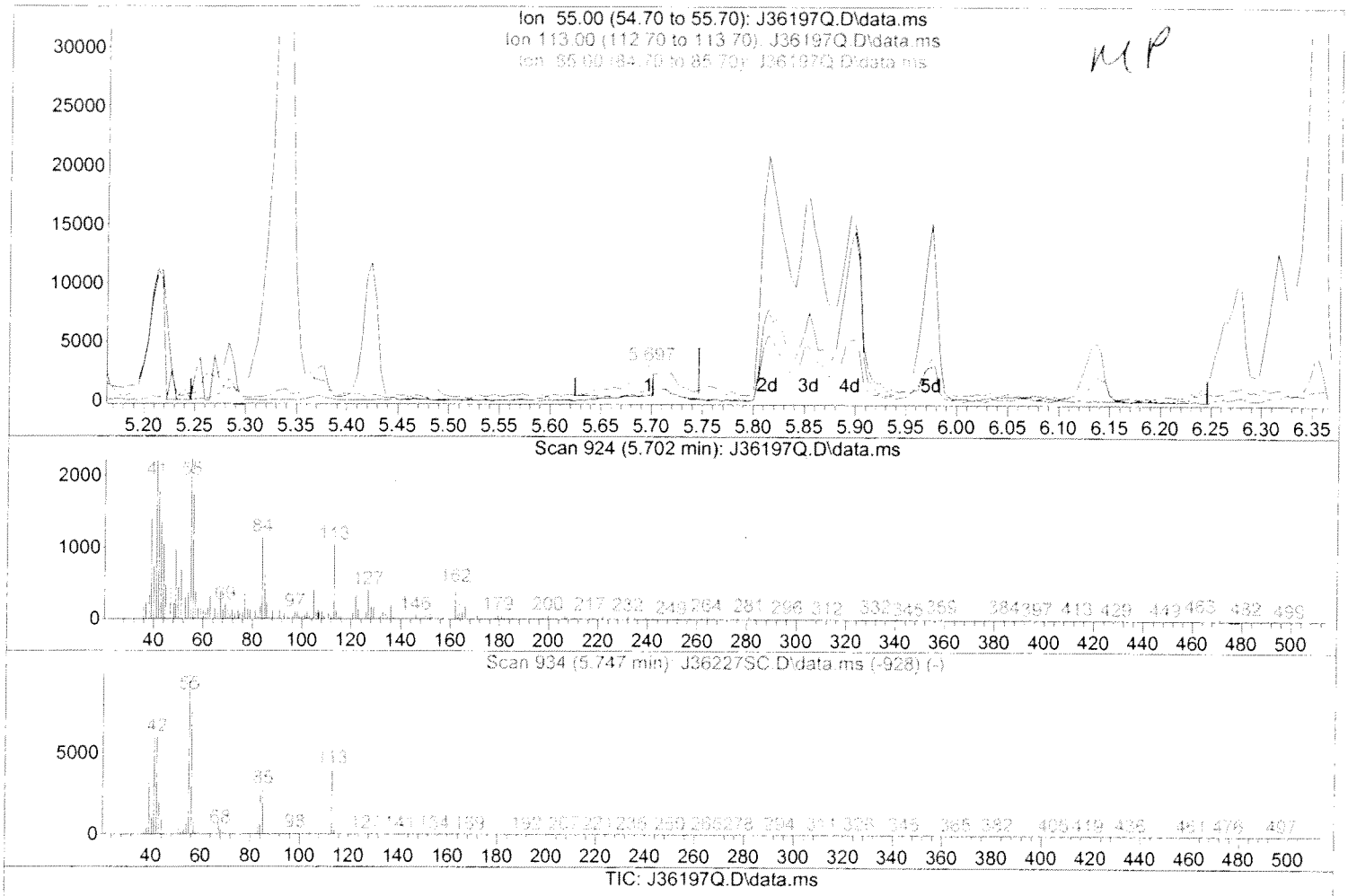
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36197Q.D
Acq On : 15 Oct 2010 5:14 am
Operator : AR/MG
Sample : L101210AW,,RR
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 18 00:25:04 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

10/18/10

MP



(24) CAPROLACTAM (TM)

5.697min (-0.049) 0.50ug/ml

response 4301

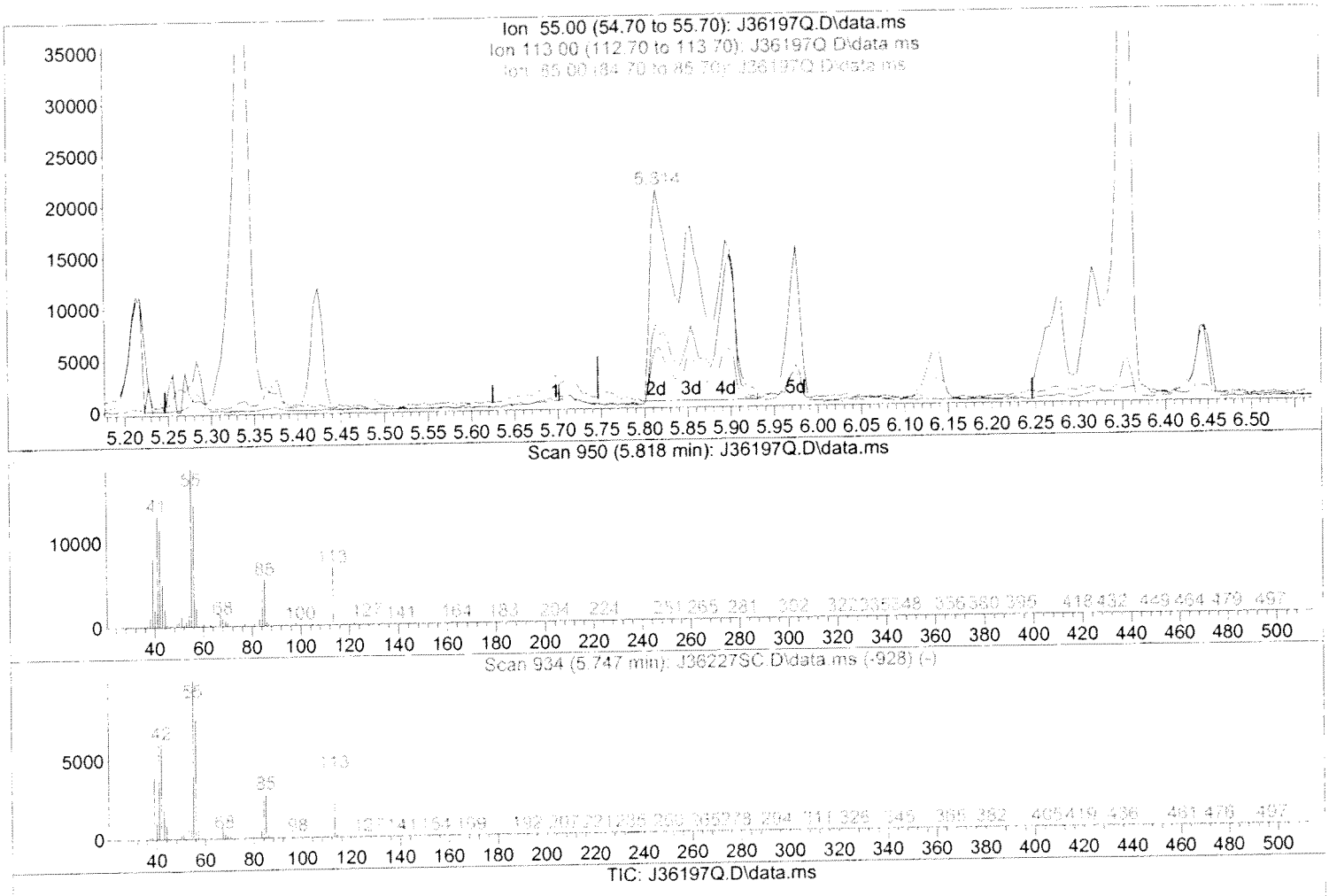
Ion	Exp%	Act%
55.00	100	100
113.00	25.70	28.04
85.00	17.30	46.92#
0.00	0.00	0.00

10/18/10

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36197Q.D
Acq On : 15 Oct 2010 5:14 am
Operator : AR/MG
Sample : L101210AW,,RR
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 18 00:25:04 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

10/18/10



(24) CAPROLACTAM (TM)

5.814min (+0.067) 9.55ug/ml m

response 82379

Ion	Exp%	Act%
55.00	100	100
113.00	25.70	1.46#
85.00	17.30	2.45#
0.00	0.00	0.00

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36198Q.D
Acq On : 15 Oct 2010 5:35 am
Operator : AR/MG
Sample : LD101210AW,,RR
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 18 00:30:00 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

10/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.965	152	412192	40.00 ug/ml	0.02
19) d8-Naphthalene	5.265	136	1242323	40.00 ug/ml	0.02
35) d10-Acenaphthene	6.981	164	726232	40.00 ug/ml	0.02
61) d10-Phenanthrene	8.412	188	1279810	40.00 ug/ml	0.02
71) d12-Chrysene	10.956	240	1104610	40.00 ug/ml	0.02
79) d12-Perylene	12.404	264	1145261	40.00 ug/ml	0.03
System Monitoring Compounds					
4) 2-Fluorophenol	2.599	112	471935	39.12 ug/ml	0.01
Spiked Amount 75.000	Range 28 - 110		Recovery = 52.16%		
5) d5-Phenol	3.656	99	387111	27.51 ug/ml	0.01
Spiked Amount 75.000	Range 22 - 110		Recovery = 36.68%		
20) d5-nitrobenzene	4.554	82	410243	38.32 ug/ml	0.02
Spiked Amount 50.000	Range 45 - 107		Recovery = 76.64%		
39) 2-Fluorobiphenyl	6.356	172	943151	41.03 ug/ml	0.02
Spiked Amount 50.000	Range 44 - 102		Recovery = 82.06%		
60) 2,4,6-Tribromophenol	7.753	330	279670	72.01 ug/ml	0.02
Spiked Amount 75.000	Range 63 - 127		Recovery = 96.01%		
73) d14-p-terphenyl	9.974	244	974120	48.37 ug/ml	0.02
Spiked Amount 50.000	Range 33 - 132		Recovery = 96.74%		

Target Compounds					Qvalue
2) BENZALDEHYDE	3.516	77	168826	21.63 ug/ml	99
3) n-Decane	3.838	57	480403	25.96 ug/ml	99
6) Acetophenone	4.409	105	497833	30.07 ug/ml	99
21) alpha-terpineol	5.340	93	158042	32.79 ug/ml	98
22) 2,3-dichloroaniline	6.262	161	437616	33.07 ug/ml	100
24) CAPROLACTAM	5.814	55	81565m	9.63 ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.141	216	254372	20.30 ug/ml	100
53) ATRAZINE	8.210	200	157801m	20.84 ug/ml	
62) Octadecane	8.390	57	587261	33.74 ug/ml	98

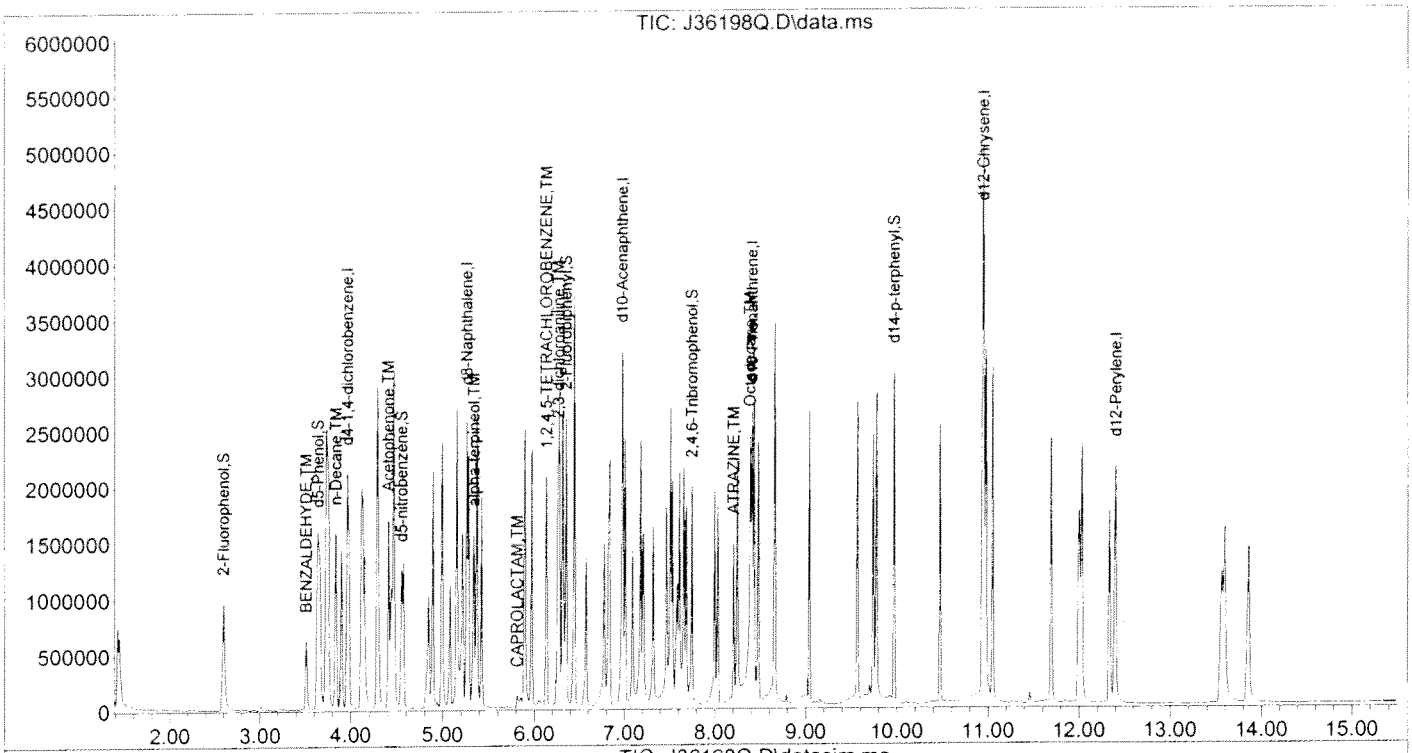
(#) = qualifier out of range (m) = manual integration (+) = signals summed

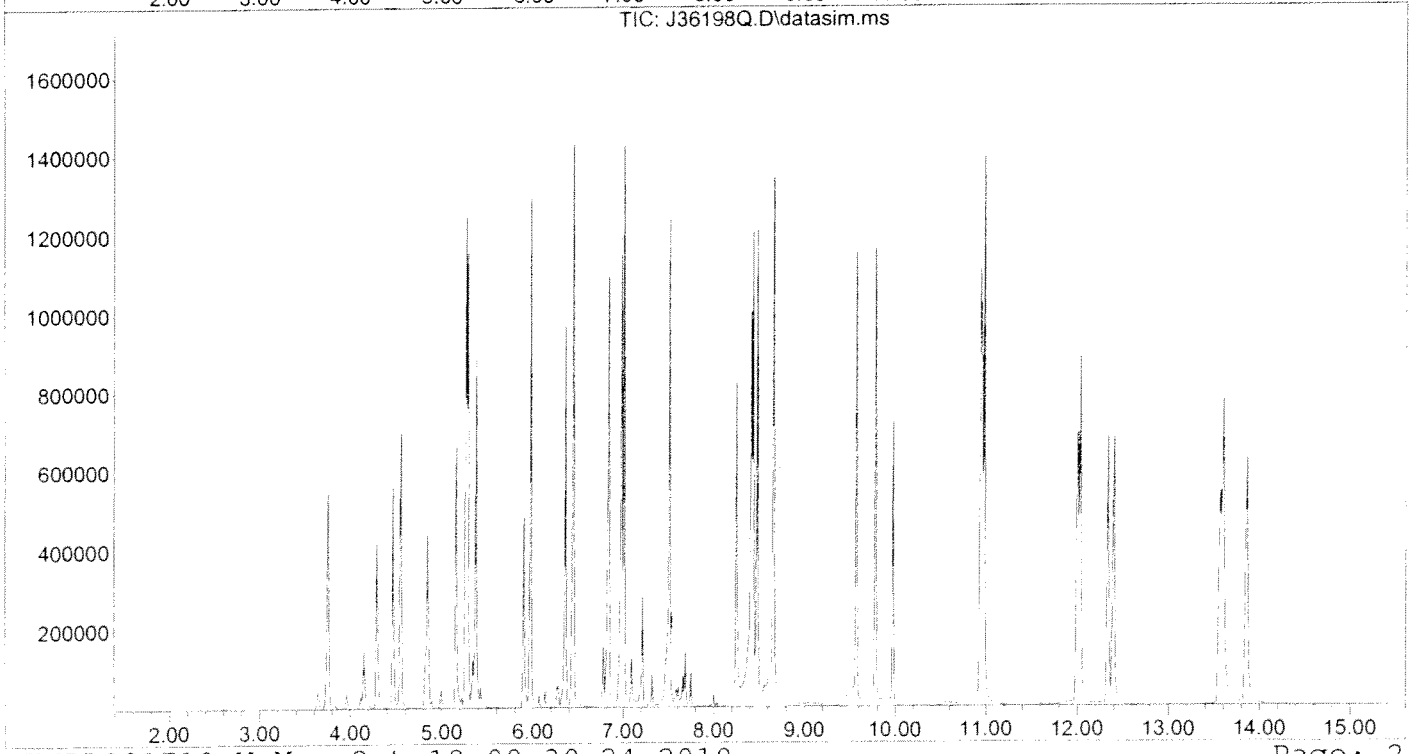
5101810

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36198Q.D
Acq On : 15 Oct 2010 5:35 am
Operator : AR/MG
Sample : LD101210AW,,RR
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 18 00:30:00 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

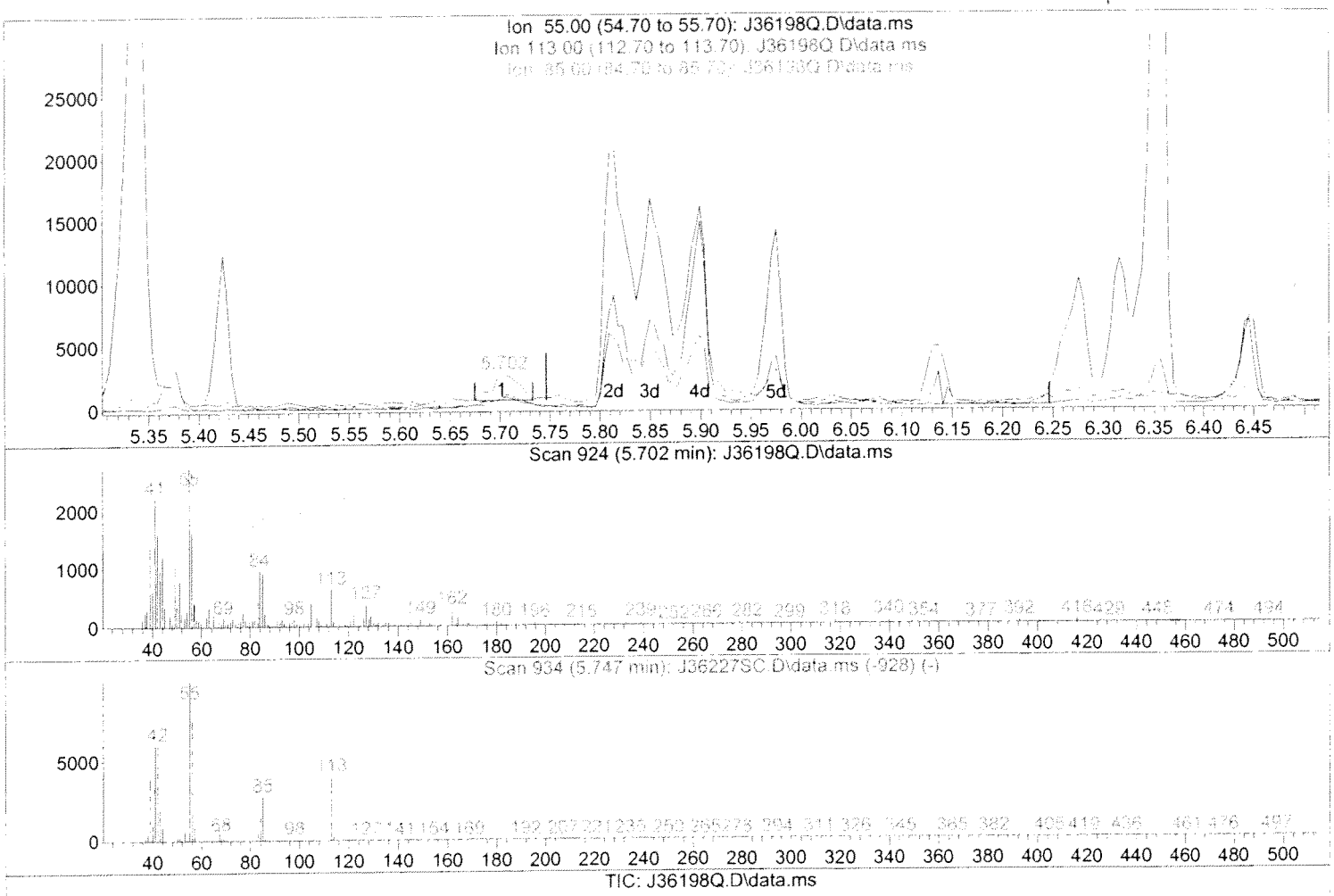




Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36198Q.D
Acq On : 15 Oct 2010 5:35 am
Operator : AR/MG
Sample : LD101210AW,,RR
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 18 00:25:14 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

10/18/10
MP



(24) CAPROLACTAM (TM)

5.702min (-0.045) 0.45ug/ml

response 3830

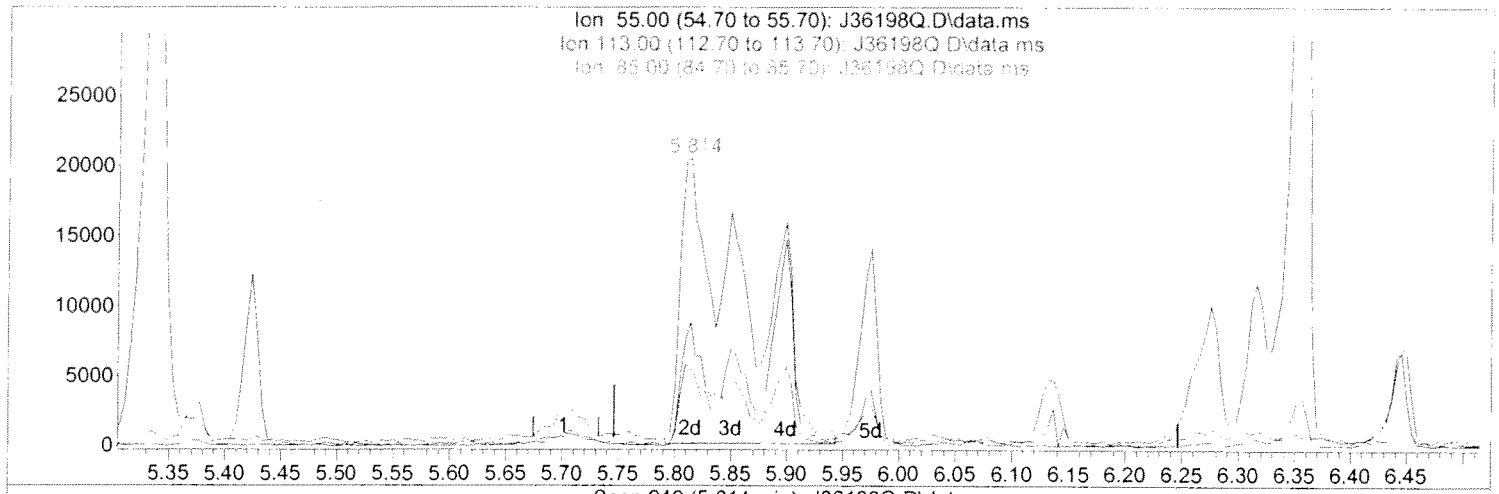
Ion	Exp%	Act%
55.00	100	100
113.00	25.70	74.31#
85.00	17.30	43.47#
0.00	0.00	0.00

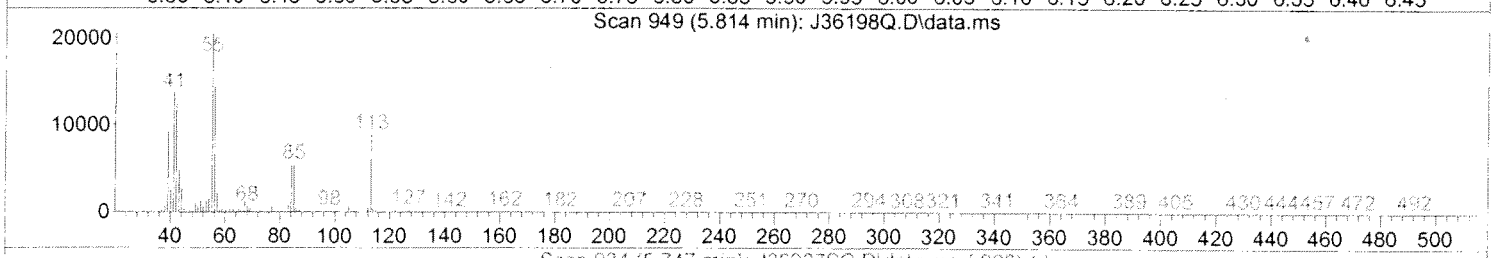
10/18/10

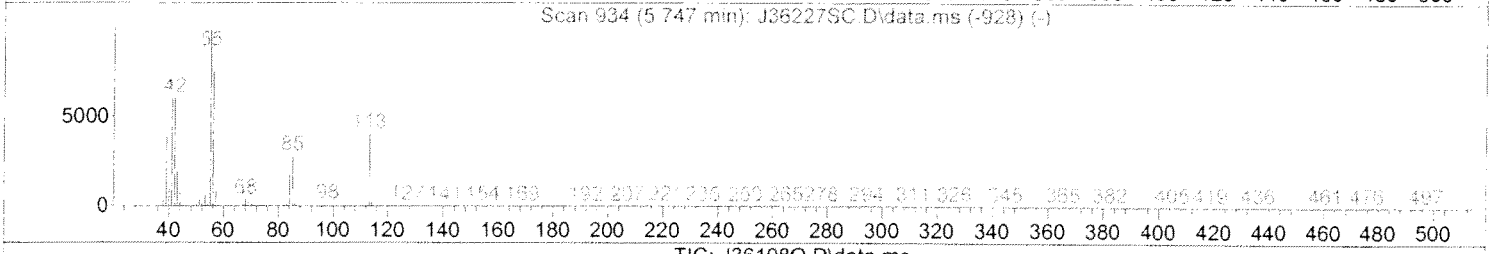
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36198Q.D
Acq On : 15 Oct 2010 5:35 am
Operator : AR/MG
Sample : LD101210AW,,RR
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 18 00:25:14 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

AR 10/18/10







TIC: J36198Q.D\data.ms

(24) CAPROLACTAM (TM)

5.814min (+0.067) 9.63ug/ml m

response 81565

Ion	Exp%	Act%
55.00	100	100
113.00	25.70	3.49#
85.00	17.30	2.04#
0.00	0.00	0.00

J101800

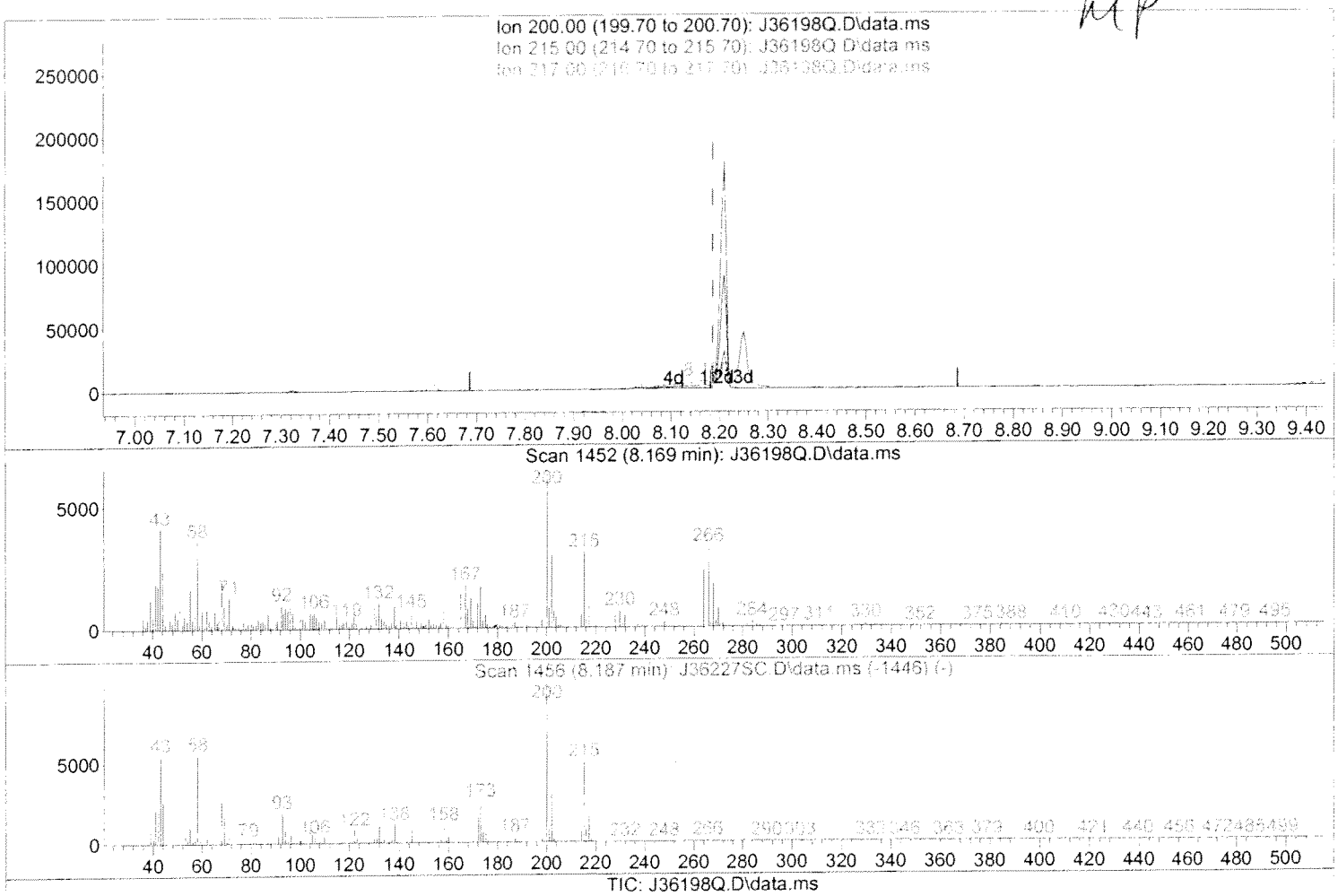
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36198Q.D
Acq On : 15 Oct 2010 5:35 am
Operator : AR/MG
Sample : LD101210AW,,RR
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 18 00:26:46 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

AR 10/18/10

MP



(53) ATRAZINE (TM)

8.169min (-0.018) 2.21ug/ml

response 16721

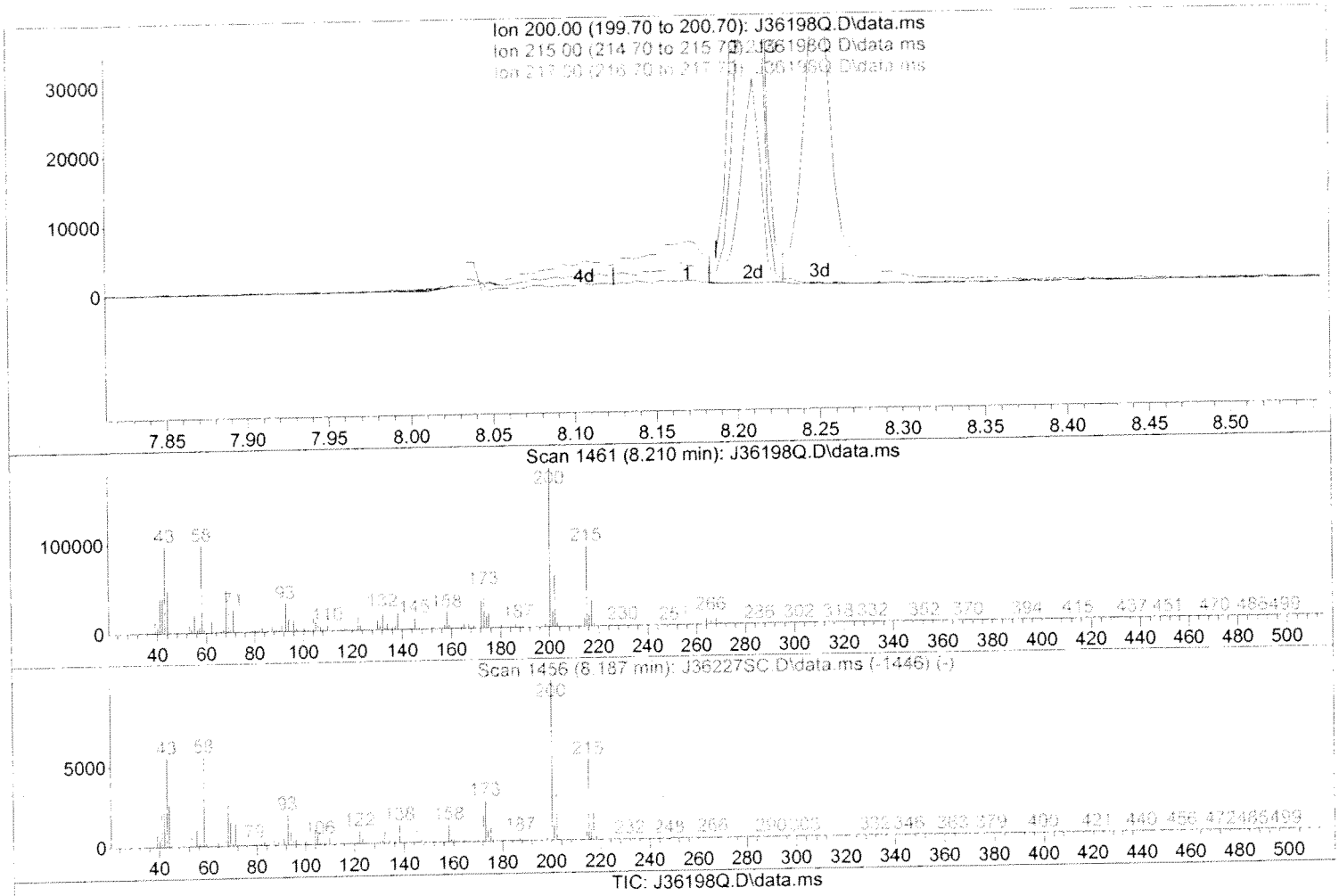
Ion	Exp%	Act%
200.00	100	100
215.00	0.00	41.18#
217.00	0.00	0.00
0.00	0.00	0.00

5980

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36198Q.D
Acq On : 15 Oct 2010 5:35 am
Operator : AR/MG
Sample : LD101210AW,,RR
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 18 00:26:46 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Sat Oct 16 04:20:56 2010
Response via : Initial Calibration

10/18/10



(53) ATRAZINE (TM)

8.210min (+0.023) 20.84ug/ml m

response 157801

Ion	Exp%	Act%
200.00	100	100
215.00	0.00	4.36#
217.00	0.00	0.00
0.00	0.00	0.00

10/18/10

Instrument J

analytics environmental laboratory LLC

091710-J

ABN IS only#: S10106 EXP: 3/16/11

Tune File: ABN.u Date: 9/17/10 Loading Check: ALR

Voltage: 1953 Analyst: ALR Unloading Check: ALR

W-J-091710-1-ALR

Vial	Meth File	Sample	DF	Data File #	Comments
opg		S9599 Col. Cmd.		J35839-40	
1	tunemix	S9836 tunemix 50ng		41T	✓
2		S10096 2/4 std		42	DK
2	SIM091710	S10119 0.05/0.1		43ST	✓
3		S10118 0.1/0.2		44	✓
4		S10117 0.2/0.4		45	✓
5		S10116 1/2		46	✓
6	ABN091710	S10115 2/4		47	✓
7		S10114 4/8		48	✓
8		S10113 10/20		49	✓
9		S10112 20/40		50	✓
10		S10111 40/80		51	✓
11		S10110 80/100		52	✓
12		S10109 100/200		53	✓
13		S10120 20/40 ICV		54	✓
14		S10121 2/4 ICV		55	✓
1	tunemix	S9836 tunemix 50ng		56T	✓
6	SIM091710	S10115 2/4		57SC	✓
9	ABN091710	S10112 20/40		58SC	✓
100		MeCl2 lot #J20S01		59	✓
15		B091610SIMASE		59B 60B	✓
16		L091610SIMASE		60Q 61Q	✓ } Rec. ok but 1 RPD's
17		LD091610SIMASE		61Q 60Q	✓ }
18		M091610SIMASE-1		62 63	✓
19			-2	63	✓
20			-3	64	✓ 2-Methylnaphthalene
21			-4	65	✓
22			-5	66	✓
23			-6	67	✓
24			-7	68	✓
25		67799-1		69	✓
26		-1,MS		70SP	✓
27		-1,MSD		71SP	✓
28		-2		72	✓

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Cont. pg. 5

Instrument J

nalytics environmental laboratory LLC

101410-J

ABN ~~EPH~~ 10/15/10

IS only#: S0163 EXP: 4/14/11

Tune File: ABN.u Date: 10/14/10 Loading Check: AUR

Voltage: 1953 Analyst: AUR Unloading Check: AUR

W-J-101410-AUR

Vial	Meth File	Sample	DF	Data File #	Comments
99		99599 Col. Cond.		J36191-92	
1	tunemix	S10134 tunemix	50ng	93J	✓
2	ABW091710	S10152 20/40		94SC	RN ✓
2	(Add Extr Acids)	S10152 20/40		95SC	✓ ↑ Benzoic Acid + ↑ Benzyl Alcohol
3		B101210AW, RN		96B	Confirms, Bis 6.70 ppb
4		L101210AW, RN		97Q	✓
5		LD101210AW, RN		98Q	✓ ↓ Caprolactam
6		67598-13 SZZOW		99	Bis 0.97 ppb <J
7		-14		J36200	Bis at 0.61 ppb <J
8		68000-2 SZZOW		01	Bis at 1.48 ppb J
9		67577-20RN PATW		02	✓
10		67978-16KN		03	✓
11		B100710AASE, RN		04B	✓
12		L100710AASE, RN		05Q	✓
13		LD070710AASE, RN		06Q	✓
14		LOD/LOQ100710AASE		07	
15		67771-2 LOD/LOQ		08	
16		-5		09	
17		67772-5		10	
18		-6		11	
19	67958-1	~~67959-1~~	625	12	✓
20	67959-1	~~67960-1~~ 10/15/10		13	↓ Acid Surr.
21	67960-1	~~67993-1~~		14	Bis 33.9 ppb
22		67993-1, RN	Bis only	15	✓
23		67967-4 SZZOASE		16	✓
24		-4, MS		17SP	✓
25		-4, MSD		18SP	✓ ↓ Failures due to matrix
26		-3		19	✓
27		-2		20	✓
28		-1		21	✓
29		67995-1 625		22	✓
30		67957-1 625	2	23	✓

Rey
Rey

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

SEMIVOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 68000
DFTPP File ID: J35841T.D
DFTPP Injection Date: 09/17/10
DFTPP Injection Time: 22:49

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10115 2/4	J35847SI.D	9/18/10 1:01
S10114 4/8	J35848SI.D	9/18/10 1:22
S10113 10/20	J35849SI.D	9/18/10 1:43
S10112 20/40	J35850SI.D	9/18/10 2:04
S10111 40/80	J35851SI.D	9/18/10 2:25
S10110 50/100	J35852SI.D	9/18/10 2:46
S10109 100/200	J35853SI.D	9/18/10 3:07
S10120 20/40 ICV	J35854.D	9/18/10 3:28

Refer to the DFTPP report J35841T.D for ion ratio evaluation.

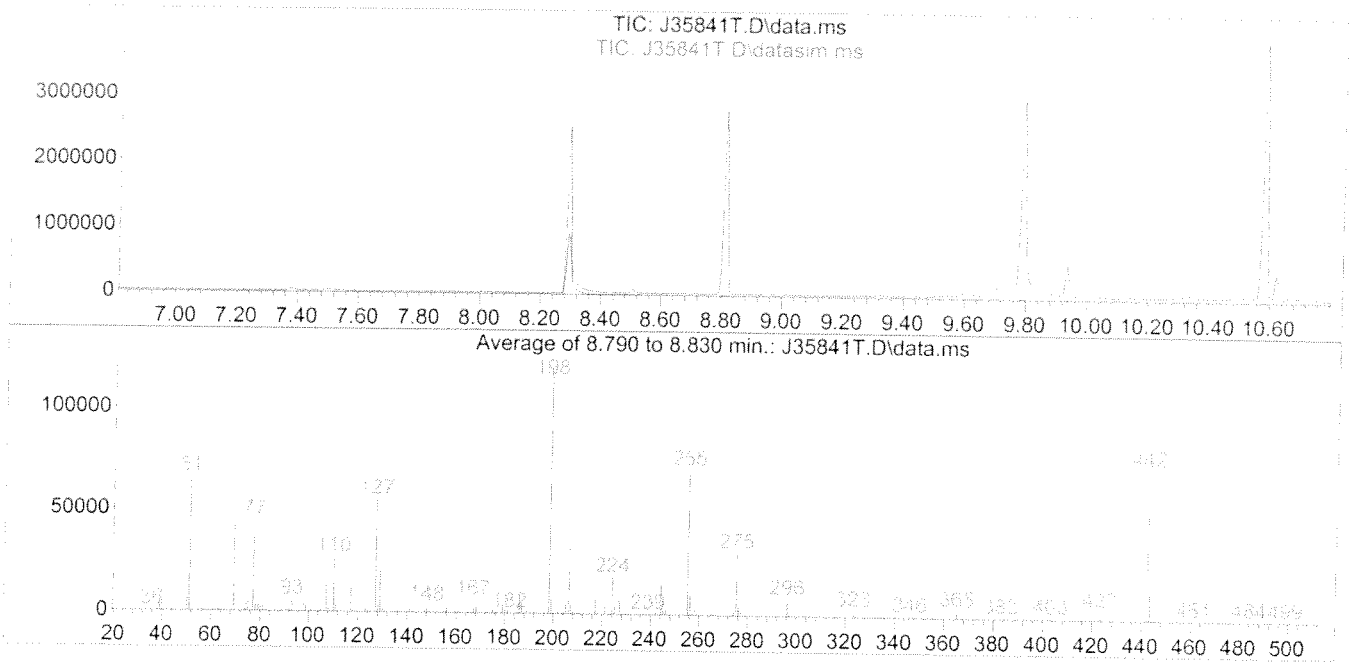
SVOA FORM 5

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIX.M
Title : ABN FULL SCAN
Last Update : Wed Sep 15 23:56:57 2010

9/18/10



Spectrum Information: Average of 8.790 to 8.830 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.4	65631	PASS
68	69	0.00	2	0.0	10	PASS
69	198	0.00	100	35.9	43354	PASS
70	69	0.00	2	0.6	243	PASS
127	198	40	60	45.7	55151	PASS
197	198	0.00	1	0.0	3	PASS
198	198	100	100	100.0	120631	PASS
199	198	5	9	6.8	8242	PASS
275	198	10	30	25.4	30639	PASS
365	198	1	100	2.9	3446	PASS
441	443	0.01	100	6.9	917	PASS
442	198	40	100	61.1	73663	PASS
443	442	17	23	18.2	13379	PASS

J92010

PM 9/18/10

SEMI-VOLATILE
TUNE MIX CHECK

Sample Name **S9836 TUNEMIX 50NG**
Data File Name **J35841T.D**
Date Acquired **9/17/2010 22:49**

Name	Target Response
Pentachlorophenol	375964.00
Benzidine	1465270.00
DDE	1676.00
DDD	24137
DDT	852693

(0% - 20%)

%DDT BREAKDOWN = 2.94% **OK** ✓

092010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	8.294	266	375964	25.71 ug/ml	99
2) DFTPP	8.812	198	326277	27.01 ug/ml	97
3) Benzidine	9.792	184	1465270	23.68 ug/ml	99
4) DDE	9.973	246	1676	1.14 ug/ml	99
5) DDD	10.293	235	24137	1.50 ug/ml#	71
6) DDT	10.586	235	852693	27.79 ug/ml	99

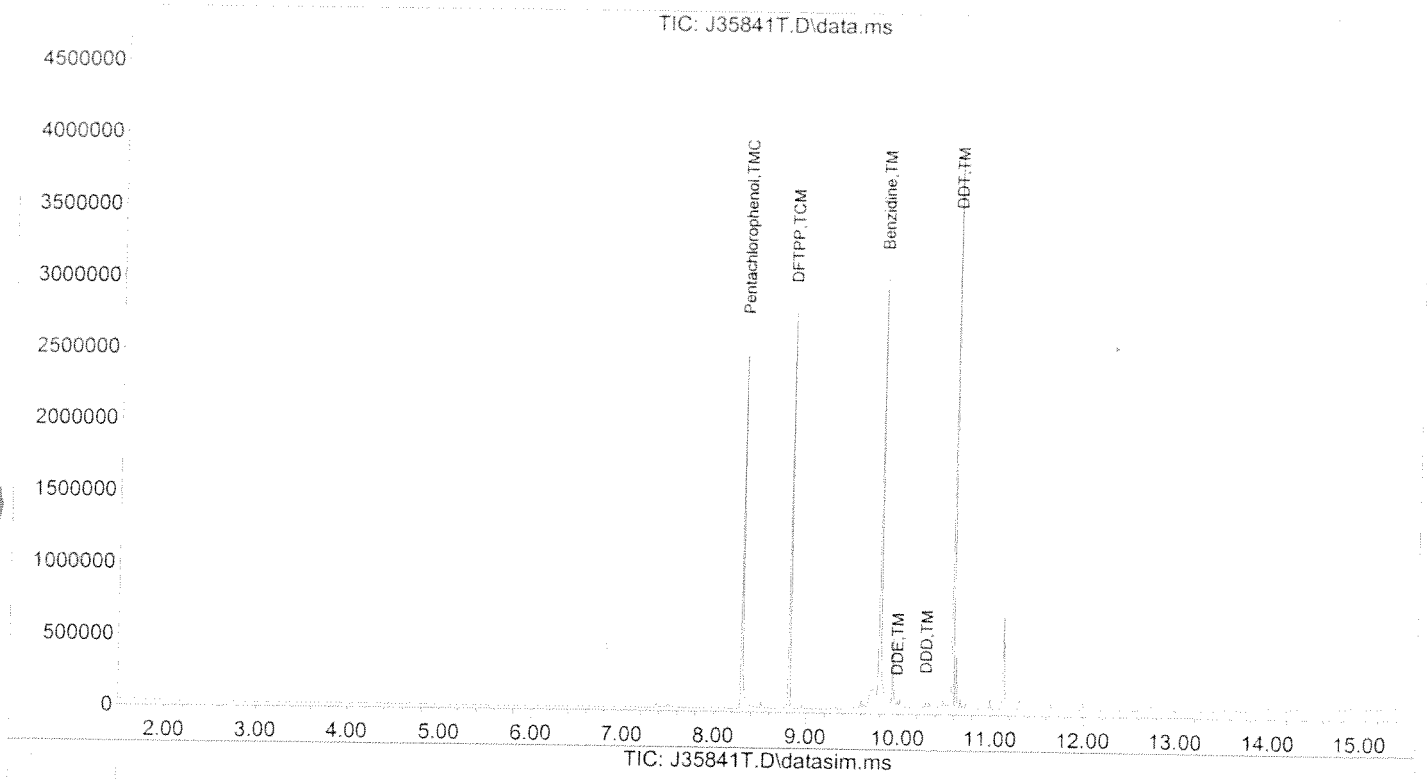
(#) = qualifier out of range (m) = manual integration (+) = signals summed

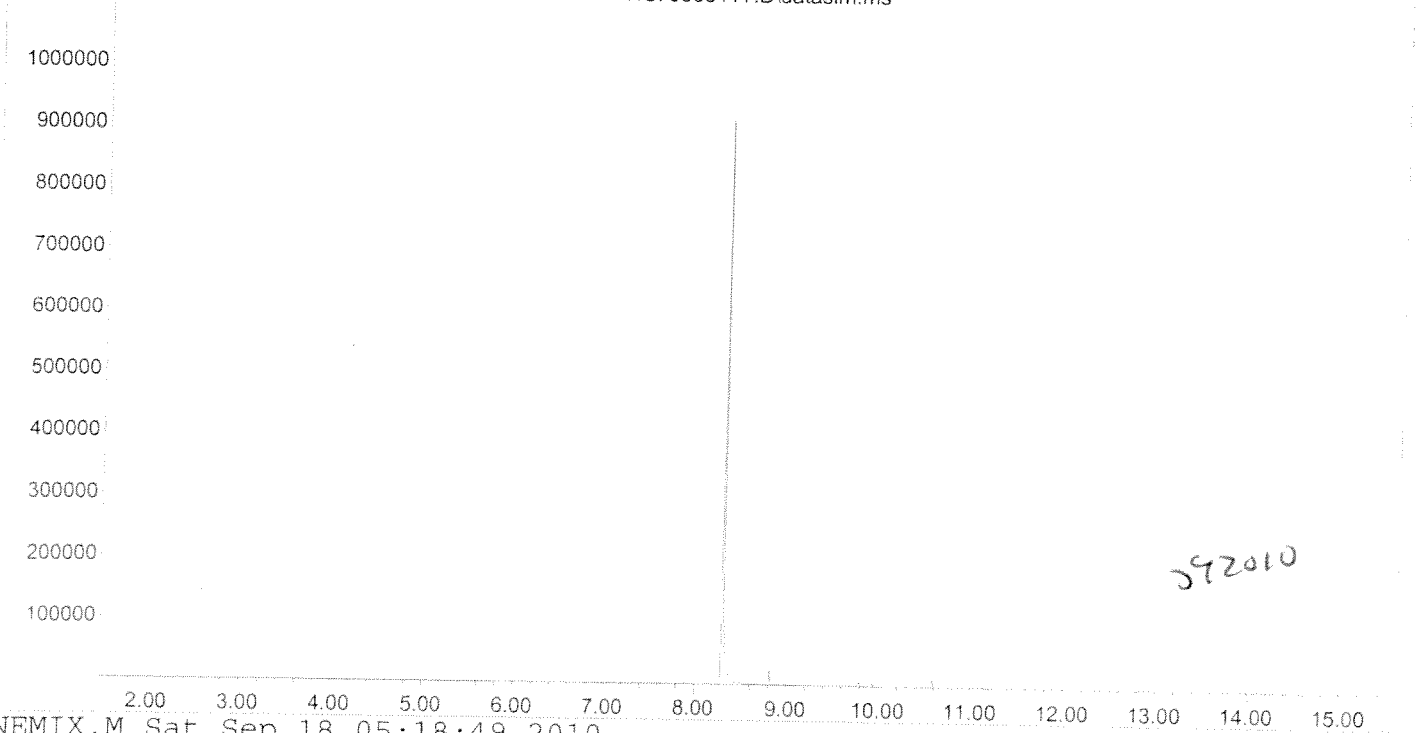
3 92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10



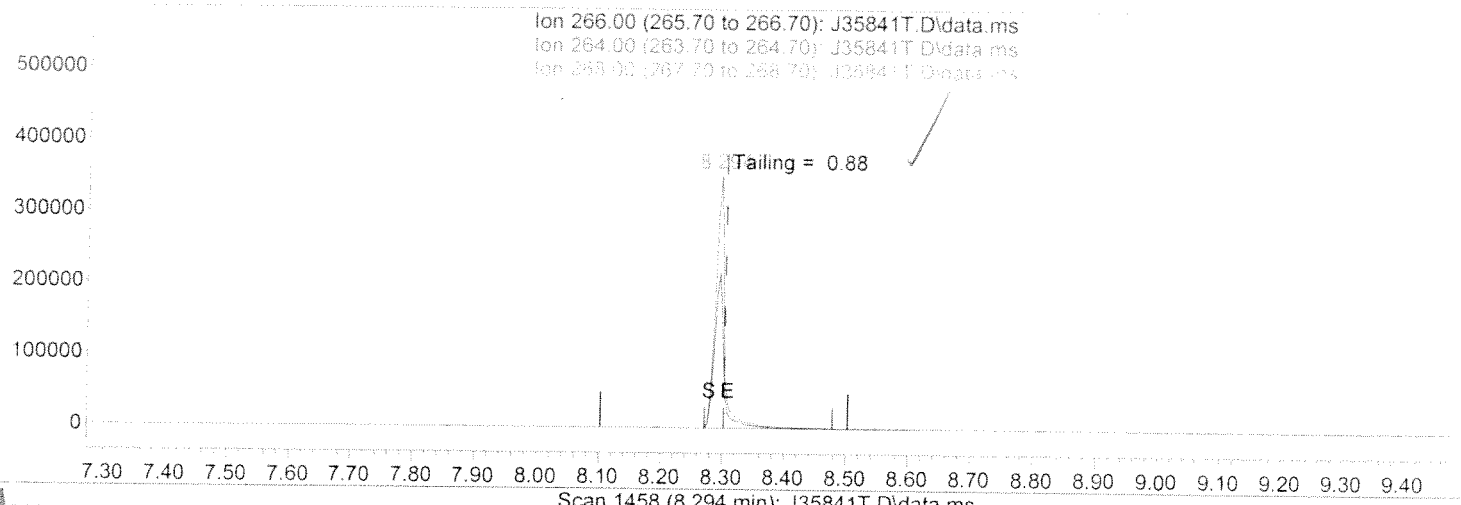


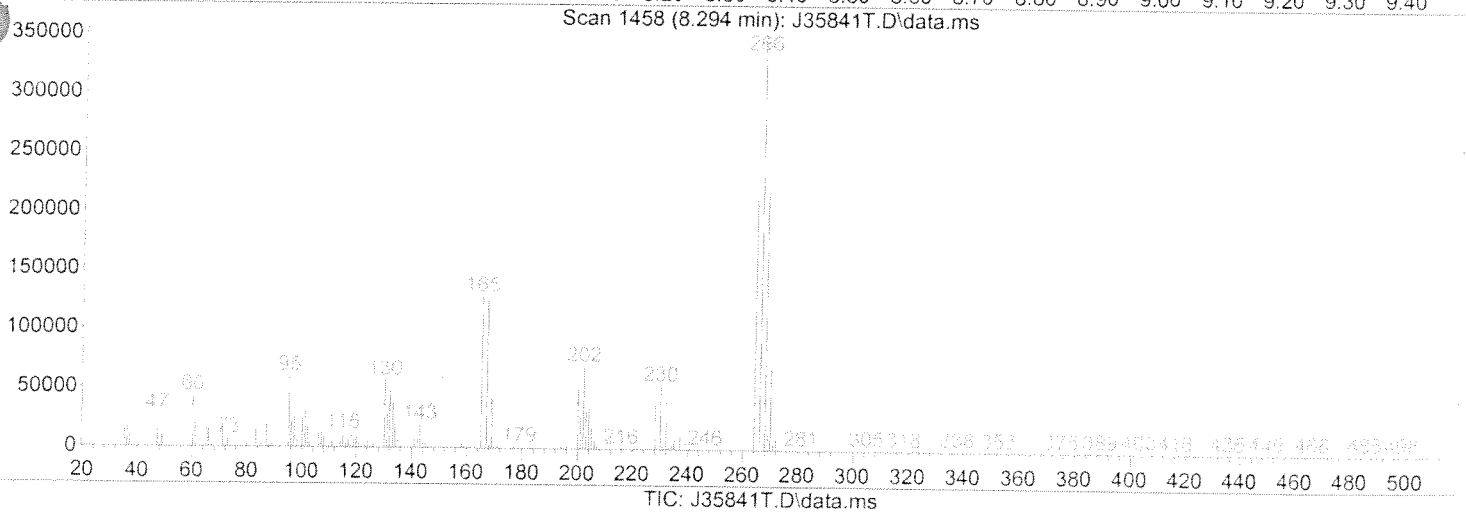
J92010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10





(1) Pentachlorophenol (TMC)

8.294min (-0.009) 25.71ug/ml

response 375964

Ion	Exp%	Act%
266.00	100	100
264.00	62.10	62.66
268.00	59.70	61.00
0.00	0.00	0.00

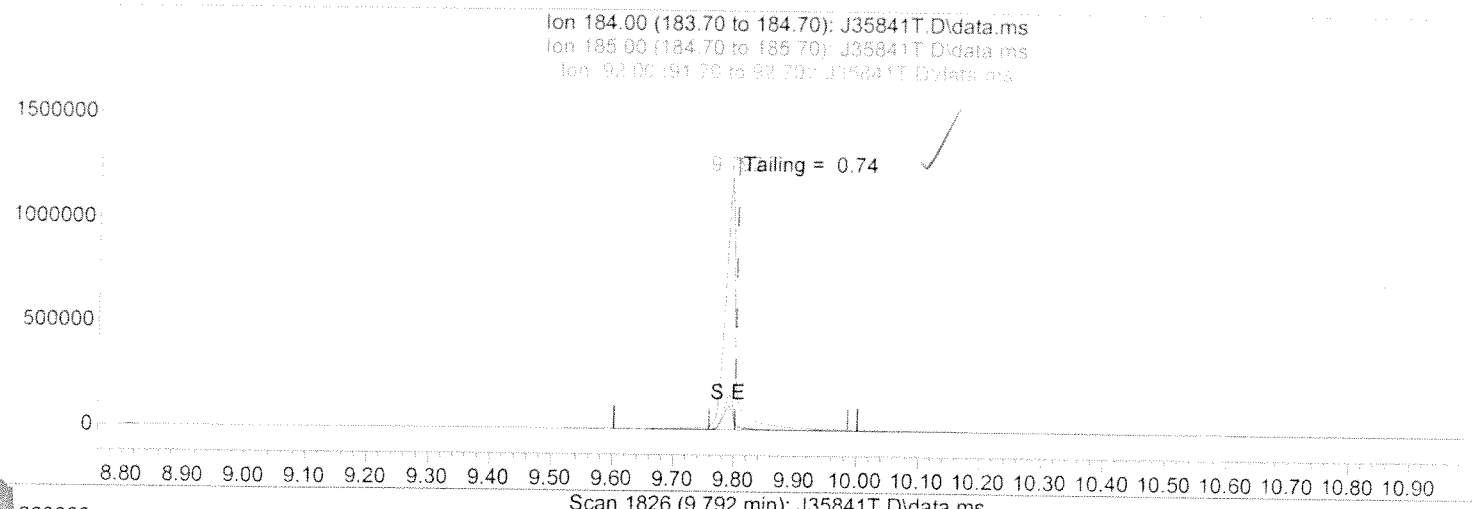
3/92010

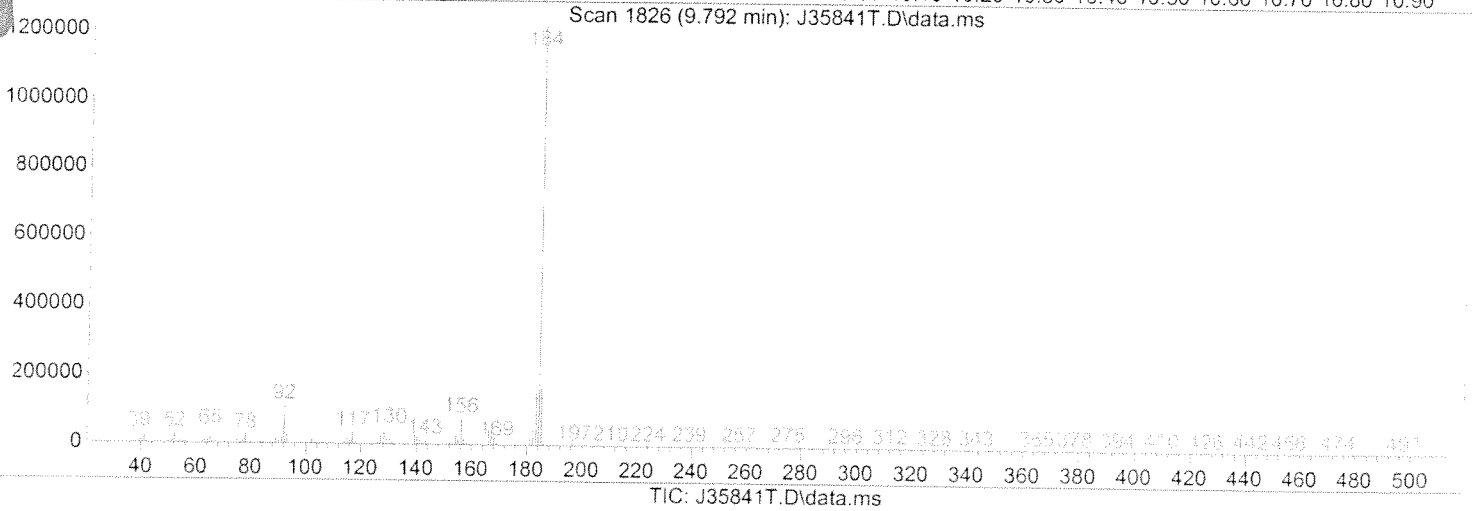
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35841T.D
Acq On : 17 Sep 2010 10:49 pm
Operator : AR/MG
Sample : S9836 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 17 23:24:20 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Wed Sep 15 23:56:57 2010
Response via : Initial Calibration

9/18/10





(3) Benzidine (TM)

9.792min (-0.011) 23.68ug/ml

response 1465270

Ion	Exp%	Act%
184.00	100	100
185.00	12.90	13.24
92.00	9.10	9.25
0.00	0.00	0.00

3 92010

SEMIVOLATILE ORGANIC
INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 68000
DFTPP File ID: J36193T.D
DFTPP Injection Date: 10/15/10
DFTPP Injection Time: 3:25

LAB SAMPLE ID	DATA FILE ID	DATE & TIME ANALYZED
S10156 20/40	J36195SC.D	10/15/10 4:13
B101210AW,,RR	J36196B.D	10/15/10 4:53
L101210AW,,RR	J36197Q.D	10/15/10 5:14
LD101210AW,,RR	J36198Q.D	10/15/10 5:35
68000-2	J36201.D	10/15/10 6:38

Refer to the DFTPP report J36193T.D for ion ratio evaluation.

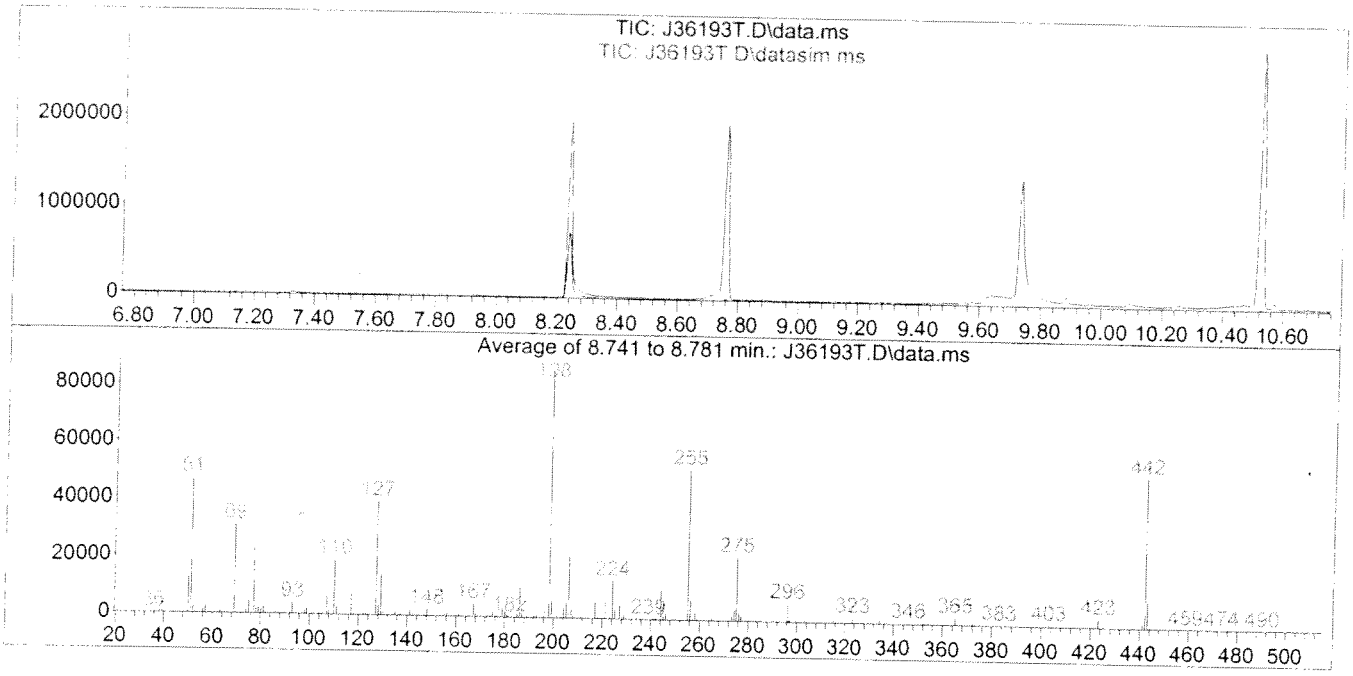
SVOA FORM 5

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\TUNEMIX.M
Title : ABN FULL SCAN
Last Update : Tue Sep 28 04:55:57 2010

10/17/10



Spectrum Information: Average of 8.741 to 8.781 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.5	46966	PASS
68	69	0.00	2	0.1	30	PASS
69	198	0.00	100	36.0	31052	PASS
70	69	0.00	2	0.5	154	PASS
127	198	40	60	46.0	39651	PASS
197	198	0.00	1	0.0	9	PASS
198	198	100	100	100.0	86222	PASS
199	198	5	9	7.0	6035	PASS
275	198	10	30	25.7	22175	PASS
365	198	1	100	3.0	2594	PASS
441	443	0.01	100	19.7	1832	PASS
442	198	40	100	60.6	52230	PASS
443	442	17	23	17.8	9310	PASS

3101810

TUNEMIX.M Fri Oct 15 05:38:13 2010

Page: 1

SEMI-VOLATILE
TUNE MIX CHECK

10/14/10

Sample Name **S10134 TUNEMIX 50NG**
Data File Name **J36193T.D**
Date Acquired **10/15/2010 3:25**

Name	Target Response
Pentachlorophenol	298350.00
Benzidine	842465.00
DDE	231.00
DDD	152
DDT	626276

(0% - 20%)

%DDT BREAKDOWN = 0.06% **OK** ✓

101810

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration

10/17/10

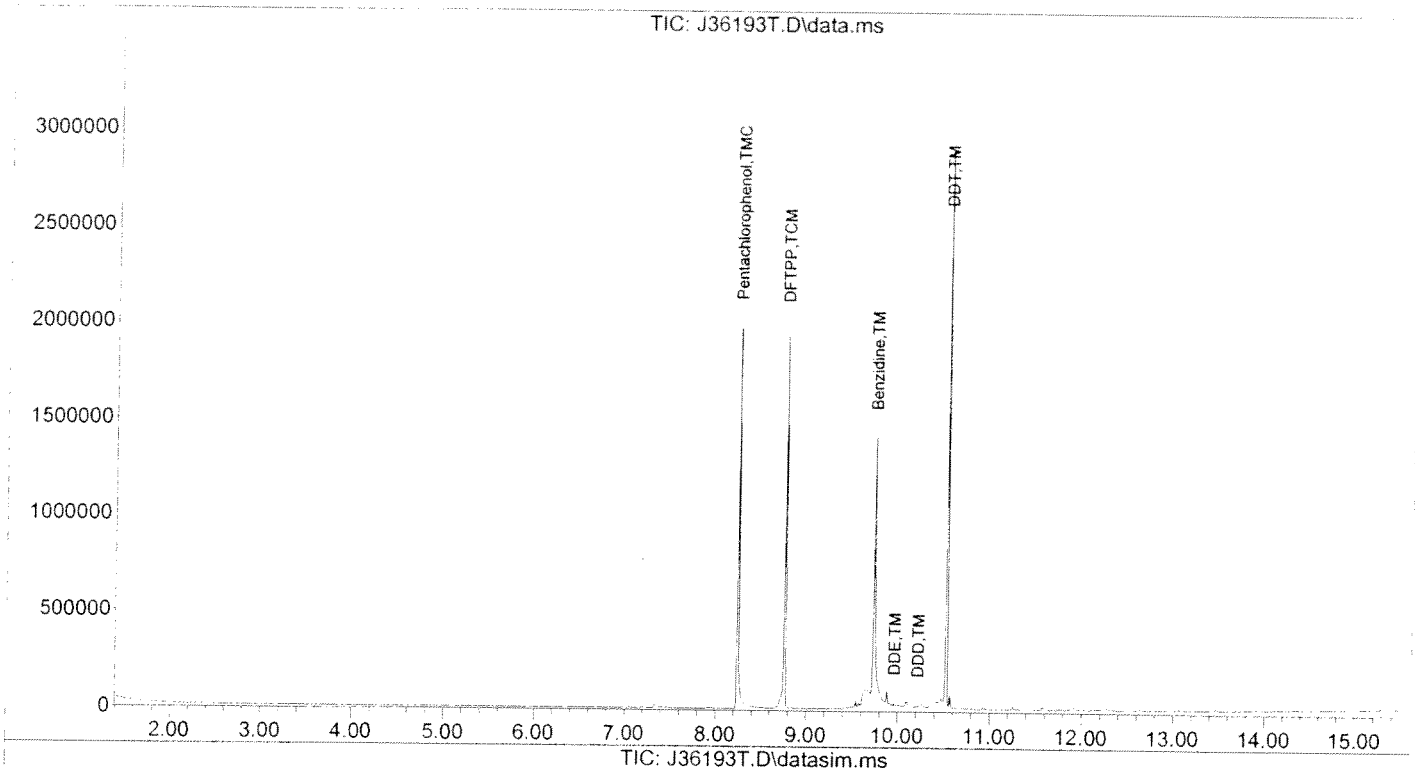
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
Target Compounds					Qvalue
1) Pentachlorophenol	8.241	266	296299	20.26 ug/ml	100
2) DFTPP	8.759	198	250987	20.78 ug/ml	100
3) Benzidine	9.736	184	817938	13.22 ug/ml	99
4) DDE	9.970	246	231	0.16 ug/ml	100
5) DDD	10.219	235	152	0.01 ug/ml#	1
6) DDT	10.525	235	626416	20.41 ug/ml	100

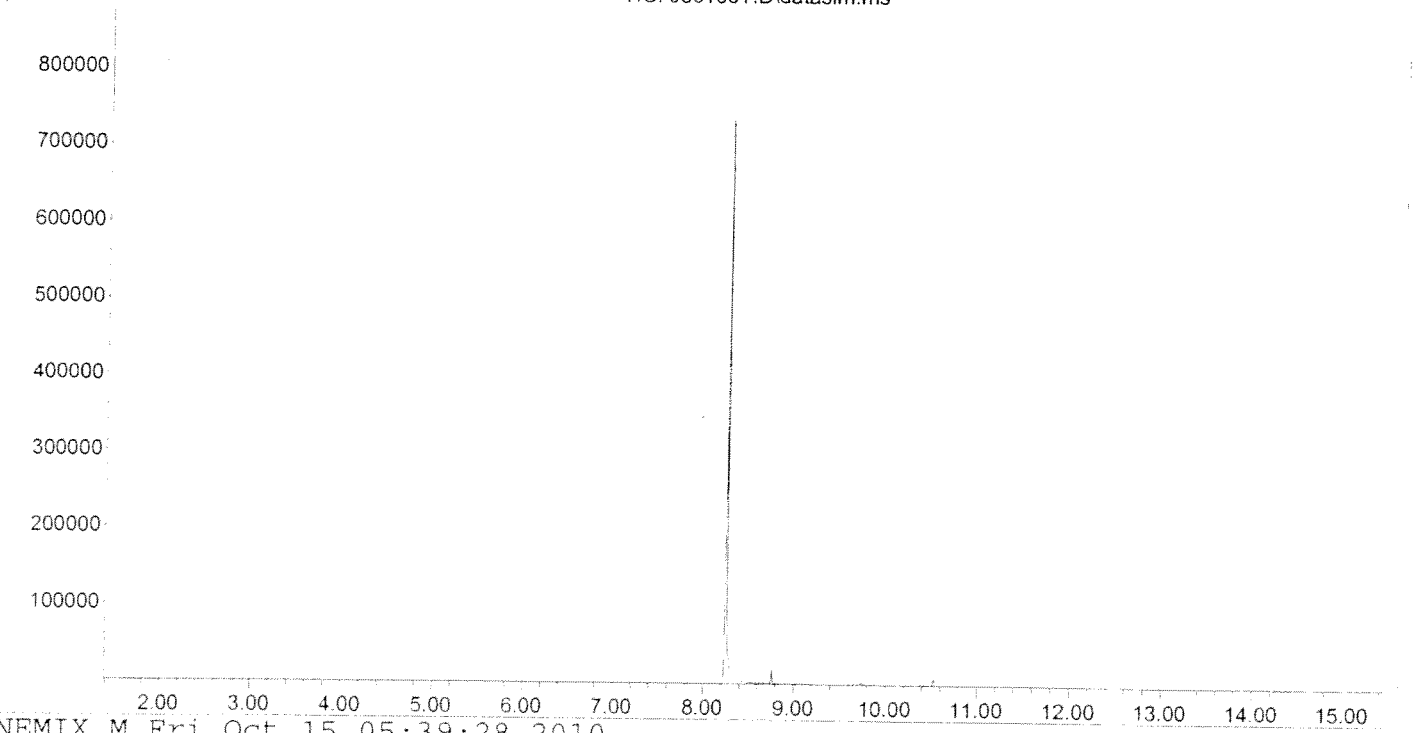
(#) = qualifier out of range (m) = manual integration (+) = signals summed

5101810

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration

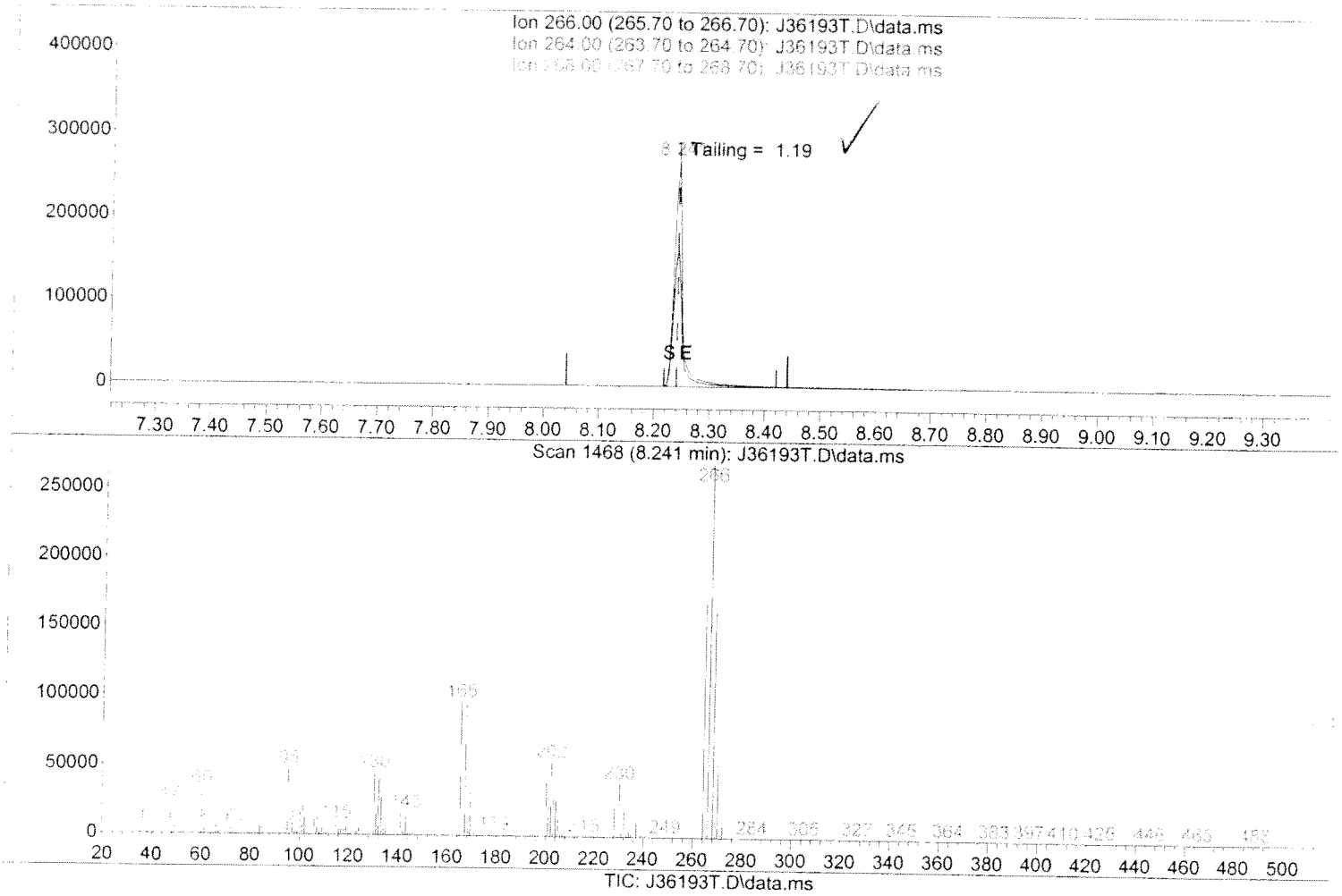




Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration

10/17/10



(1) Pentachlorophenol (TMC)

8.241min (0.000) 20.26ug/ml

response 296299

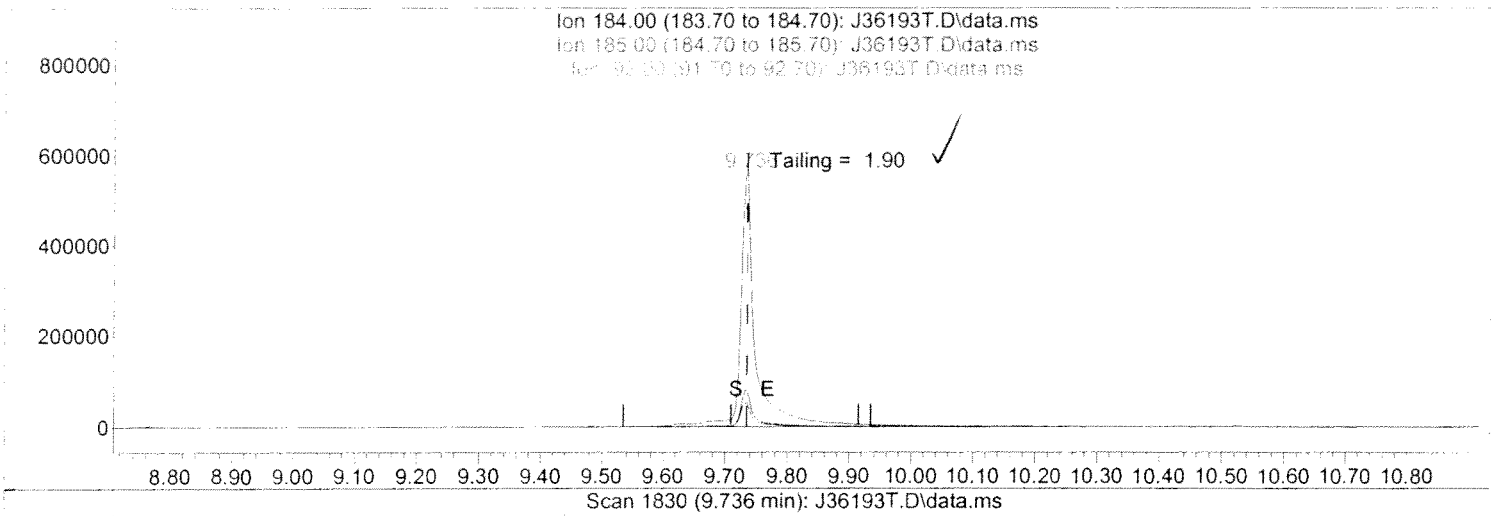
Ion	Exp%	Act%
266.00	100	100
264.00	63.20	63.17
268.00	61.30	61.35
0.00	0.00	0.00

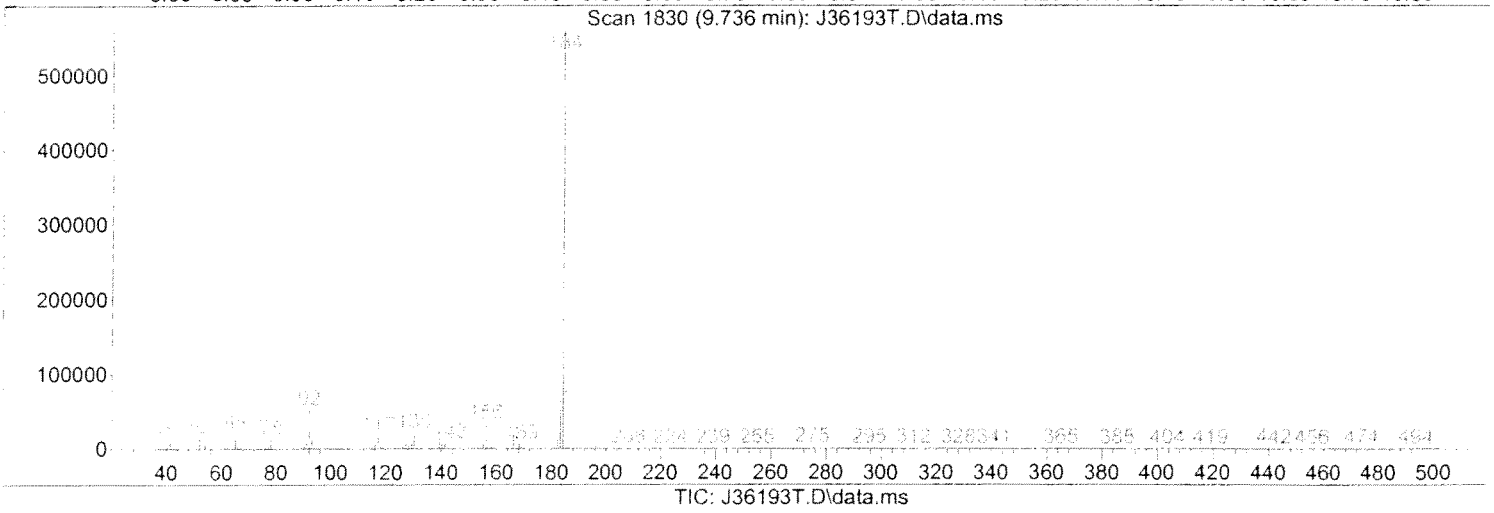
101810

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36193T.D
Acq On : 15 Oct 2010 3:25 am
Operator : AR/MG
Sample : S10134 TUNEMIX 50NG
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 15 05:39:27 2010
Quant Method : C:\msdchem\1\METHODS\TUNEMIX.M
Quant Title : ABN FULL SCAN
QLast Update : Fri Oct 15 05:39:24 2010
Response via : Initial Calibration

10/17/10





(3) Benzidine (TM)

9.736min (0.000) 13.22ug/ml

response 817938

Ion	Exp%	Act%
184.00	100	100
185.00	14.60	14.47
92.00	9.50	9.80
0.00	0.00	0.00

J101810

Response Factor Report Instrument J

Method Path : C:\msdchem\1\METHODS\
Method File : ABN091710.M
Title : ABN FULL SCAN
Last Update : Sat Sep 18 04:59:49 2010
Response Via : Initial Calibration

9/18/10

Calibration Files
2 =J35847SI.D 4 =J35848SI.D 10 =J35849SI.D 20 =J35850SI.D 40 =J35851SI.D 50 =J35852SI.D
100 =J35853SI.D

		Compound	2	4	10	20	40	50	100	Avg	%RSD
1)	I	d4-1,4-dichloroben...	----------ISTD----------								
2)	TM	Pyridine	1.225	1.254	1.295	1.326	1.332	1.355	1.328	1.302	3.61
3)	TM	N-nitrosodimet...	0.643	0.688	0.705	0.720	0.739	0.741	0.721	0.708	4.85
4)	S	2-Fluorophenol	1.146	1.175	1.188	1.206	1.192	1.180	1.100	1.170	3.08
5)	S	d5-Phenol	1.419	1.463	1.440	1.409	1.328	1.300	1.198	1.365	6.91
6)	TM	Aniline	1.944	1.931	1.905	1.883	1.796	1.772	1.678	1.844	5.34
7)	TMC	Phenol	1.481	1.511	1.484	1.435	1.351	1.326	1.215	1.400	7.68
8)	TM	2-Chlorophenol	1.321	1.314	1.296	1.245	1.186	1.168	1.065	1.228	7.65
9)	TM	bis(2-chloroet...	1.138	1.092	1.177	1.219	1.244	1.267	1.131	1.181	5.48
10)	TM	1,3-Dichlorobe...	1.631	1.675	1.632	1.614	1.575	1.530	1.419	1.582	5.41
11)	TMC	1,4-Dichlorobe...	1.584	1.572	1.536	1.554	1.492	1.487	1.371	1.514	4.82
12)	TM	1,2-Dichlorobe...	1.548	1.617	1.584	1.559	1.520	1.498	1.390	1.531	4.80
13)	TM	Benzyl Alcohol	0.520	0.630	0.682	0.689	0.714	0.711	0.722	0.667	10.74
14)	TM	2-Methylphenol	1.096	1.144	1.041	1.036	0.927	0.916	0.827	0.998	11.21
15)	TM	bis(2-chlorois...	3.031	3.041	2.739	2.527	2.166	2.013	1.783	2.471	20.16Q
16)	TM	3+4-Methylphenol	1.060	1.132	1.066	1.035	0.878	0.852	0.834	0.980	12.35
17)	TM	Hexachloroethane	0.588	0.585	0.564	0.542	0.447	0.403	0.424	0.508	15.73Q
18)	TMP	N-nitroso-di-n...	0.715	0.702	0.721	0.726	0.680	0.628	0.545	0.674	9.78
19)	I	d8-Naphthalene	----------ISTD----------								
20)	S	d5-nitrobenzene	0.380	0.377	0.369	0.345	0.327	0.322	0.297	0.345	9.15
21)	TM	Nitrobenzene	0.207	0.209	0.207	0.192	0.185	0.183	0.165	0.193	8.45
22)	TM	Isophorone	0.652	0.685	0.687	0.642	0.638	0.624	0.567	0.642	6.36
23)	TCM	2-Nitrophenol	0.234	0.244	0.252	0.237	0.222	0.217	0.193	0.228	8.56
24)	TM	2,4-Dimethylph...	0.394	0.401	0.414	0.377	0.354	0.348	0.319	0.372	9.08
25)	TM	Bis(2-chloroet...	0.448	0.443	0.455	0.444	0.430	0.429	0.401	0.436	4.11
26)	TCM	2,4-Dichloroph...	0.373	0.370	0.387	0.350	0.323	0.318	0.285	0.344	10.60
27)	TM	Benzoic Acid	0.104	0.120	0.176	0.194	0.229	0.231	0.246	0.186	30.10Q
28)	TM	1,2,4-Trichlor...	0.463	0.444	0.445	0.415	0.397	0.391	0.358	0.416	8.88
29)	TM	Naphthalene	1.147	1.162	1.106	1.084	1.031	1.011	0.887	1.061	8.94
30)	T	2,6-Dichloroph...	0.345	0.349	0.320	0.312	0.292	0.285	0.250	0.308	11.36

J92010

Method Path : C:\msdchem\1\METHODS\
Method File : ABN091710.M
Title : ABN FULL SCAN

31)	TM	4-Chloroaniline	0.517	0.534	0.502	0.477	0.413	0.393	0.329	0.452	16.72 Q
32)	TCM	Hexachlorobuta...	0.259	0.267	0.254	0.249	0.235	0.228	0.205	0.242	8.83
33)	TMC	4-Chloro-3-met...	0.319	0.336	0.322	0.312	0.289	0.281	0.249	0.301	9.91
34)	TM	2-Methylnaphth...	0.718	0.698	0.664	0.661	0.606	0.588	0.518	0.636	10.94
35)	I	d10-Acenaphthene	----------ISTD----------								
36)	TPM	Hexachlorocycl...	0.224	0.301	0.367	0.408	0.407	0.404	0.368	0.354	19.37 Q
37)	TCM	2,4,6-Trichlor...	0.440	0.464	0.444	0.443	0.406	0.389	0.359	0.421	8.81
38)	TM	2,4,5-Trichlor...	0.518	0.520	0.526	0.513	0.469	0.448	0.373	0.481	11.64
39)	S	2-Fluorobiphenyl	1.506	1.515	1.387	1.330	1.174	1.105	0.940	1.280	16.81 Q
40)	TM	2-Chloronaphth...	1.408	1.340	1.258	1.202	1.074	1.023	0.901	1.172	15.47 Q
41)	TM	2-Nitroaniline	0.485	0.522	0.539	0.558	0.542	0.532	0.487	0.524	5.33
42)	TM	2,6-Dinitrotol...	0.330	0.360	0.366	0.370	0.327	0.313	0.277	0.335	9.97
43)	TM	Dimethyl Phtha...	1.662	1.675	1.586	1.596	1.448	1.401	1.255	1.517	10.22
44)	TM	Acenaphthylene	2.159	2.151	1.990	1.980	1.792	1.689	1.449	1.887	13.75
45)	TM	3-Nitroaniline	0.336	0.364	0.305	0.283	0.270	0.261	0.248	0.295	14.29
46)	TMC	Acenaphthene	1.318	1.343	1.261	1.226	1.149	1.078	0.933	1.187	12.22
47)	TPM	2,4-dinitrophenol	0.029	0.075	0.146	0.182	0.212	0.212	0.207	0.152	48.19 Q
48)	TM	Dibenzofuran	2.095	2.190	2.104	2.006	1.844	1.756	1.518	1.930	12.31
49)	TMP	4-Nitrophenol	0.123	0.153	0.173	0.178	0.168	0.163	0.150	0.158	11.77
50)	TM	2,4-Dinitrotol...	0.446	0.472	0.464	0.444	0.404	0.396	0.357	0.426	9.78
51)	T	2,3,4,6-Tetrac...	0.381	0.413	0.418	0.405	0.385	0.371	0.333	0.387	7.53
52)	TM	Fluorene	1.645	1.628	1.550	1.437	1.322	1.276	1.092	1.421	14.33
53)	TM	Diethyl Phthalate	1.652	1.625	1.551	1.493	1.331	1.268	1.114	1.433	14.01
54)	TM	4-Chlorophenyl...	0.821	0.805	0.778	0.724	0.678	0.631	0.520	0.708	15.19 Q
55)	TM	4-Nitroaniline	0.255	0.185	0.244	0.283	0.322	0.320	0.288	0.271	17.79 Q
56)	TM	4,6-Dinitro-2-...	0.145	0.213	0.268	0.282	0.290	0.274	0.254	0.246	20.85 Q
57)	TCM	n-nitrosodiphe...	1.150	1.174	1.123	1.064	0.958	0.935	0.802	1.030	13.22
58)	TM	Azobenzene	1.324	1.362	1.315	1.234	1.219	1.175	0.978	1.230	10.51
59)	TM	Biphenyl	1.685	1.693	1.563	1.490	1.267	1.189	1.015	1.415	18.50 Q
60)	S	2,4,6-Tribromo...	0.203	0.230	0.224	0.223	0.219	0.212	0.195	0.215	5.78
61)	I	d10-Phenanthrene	----------ISTD----------								
62)	TM	4-bromophenyl ...	0.273	0.285	0.283	0.269	0.260	0.249	0.234	0.265	6.95
63)	TM	Hexachlorobenzene	0.308	0.303	0.293	0.278	0.281	0.270	0.251	0.283	6.95
64)	TMC	Pentachlorophenol	—	0.145	0.170	0.174	0.178	0.177	0.163	0.168	7.28
65)	TM	Phenanthrene	1.278	1.278	1.204	1.149	1.117	1.090	1.011	1.161	8.54
66)	TM	Anthracene	1.342	1.338	1.274	1.203	1.122	1.087	0.986	1.193	11.29
67)	TM	Carbazole	1.134	1.033	0.802	0.697	0.659	0.651	0.669	0.806	24.55 Q
68)	TM	Di-n-butyl pht...	1.522	1.553	1.521	1.427	1.356	1.299	1.202	1.411	9.33
69)	TCM	Fluoranthene	1.455	1.504	1.399	1.281	1.194	1.151	1.055	1.291	12.99

PK 9/18/10

9-19-2010

Response Factor Report Instrument J

Method Path : C:\msdchem\1\METHODS\
Method File : ABN091710.M
Title : ABN FULL SCAN

70)	TM	Benzidine	0.160	0.188	0.230	0.263	0.261	0.238	0.165	0.215	20.35
71)	I	d12-Chrysene	----------ISTD----------								
72)	TM	Pyrene	1.422	1.458	1.374	1.338	1.278	1.245	1.210	1.332	6.94
73)	S	d14-p-terphenyl	0.805	0.814	0.751	0.714	0.693	0.671	0.648	0.728	8.85
74)	TM	Butyl benzyl p...	0.628	0.657	0.652	0.652	0.637	0.625	0.596	0.635	3.36
75)	TM	Benzo[a]anthra...	1.178	1.195	1.105	1.108	1.087	1.088	1.060	1.117	4.47
76)	TM	Chrysene	1.171	1.184	1.129	1.117	1.105	1.075	1.039	1.117	4.54
77)	TM	3,3'-Dichlorob...	0.335	0.341	0.296	0.282	0.269	0.266	0.260	0.293	11.38
78)	TM	Bis (2-ethylhe...	0.820	0.856	0.836	0.829	0.806	0.799	0.753	0.814	4.05
79)	I	d12-Perylene	----------ISTD----------								
80)	TCM	di-n-octyl-pht...	1.533	1.598	1.599	1.549	1.498	1.441	1.316	1.505	6.66
81)	TM	Benzo[b] fluor...	1.240	1.217	1.215	1.125	1.150	1.179	1.343	1.210	5.90
82)	TM	Benzo[k] fluor...	1.271	1.283	1.177	1.185	1.019	1.018	0.720	1.096	17.99 Q
83)	TCM	Benzo[a] pyrene	1.225	1.243	1.221	1.165	1.134	1.104	1.041	1.162	6.37
84)	TM	Indeno [1,2,3-...	0.866	0.932	0.978	0.958	1.002	1.066	0.948	0.964	6.39
85)	TM	Dibenz [a,h] a...	1.010	1.032	1.015	0.976	0.978	1.008	0.868	0.984	5.56
86)	TM	Benzo(g,h,i) ...	1.154	1.125	1.086	1.027	1.017	1.073	0.889	1.053	8.30

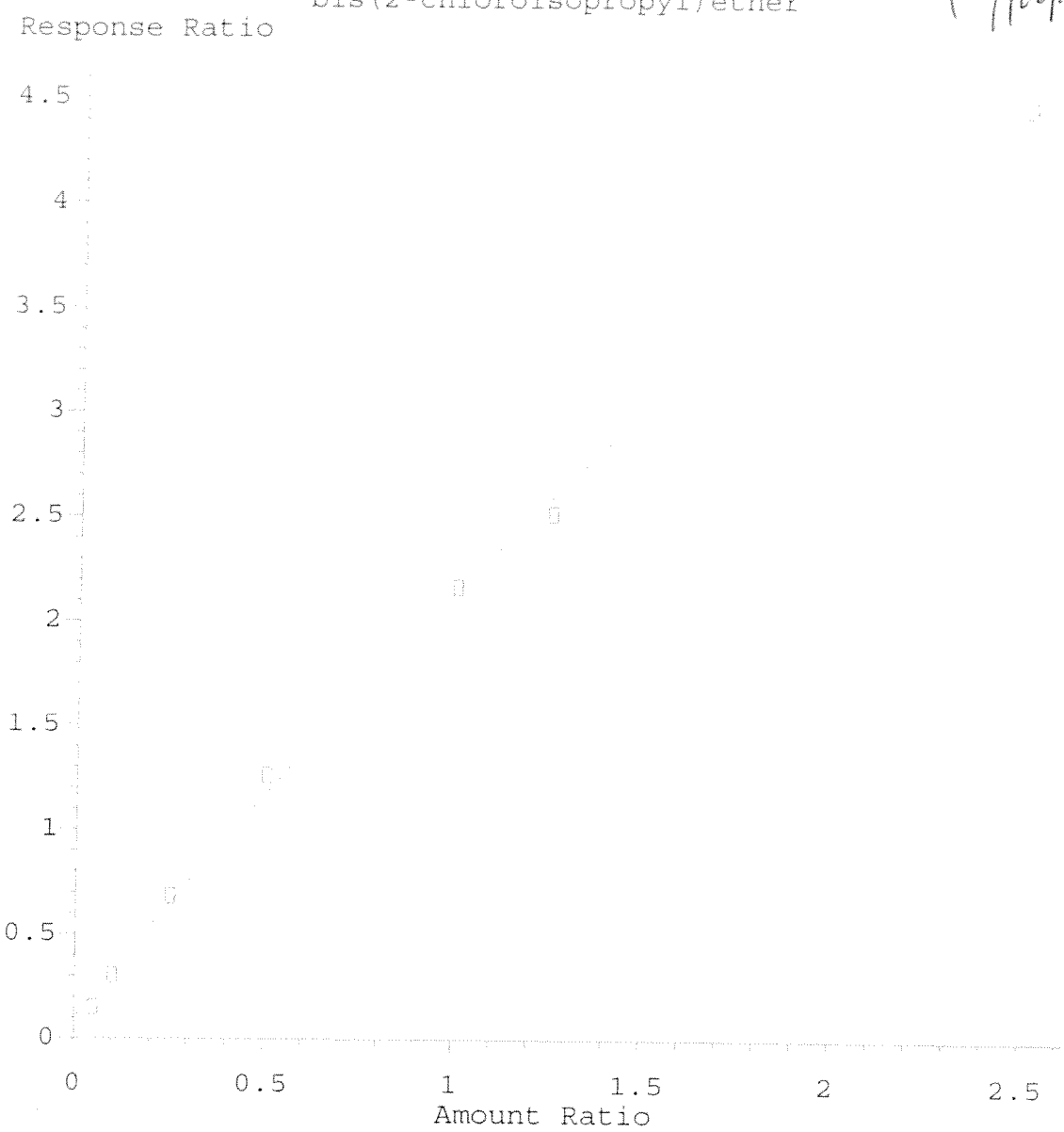
(#) = Out of Range

9/18/10

092010

PM 9/22/10

bis(2-chloroisopropyl)ether



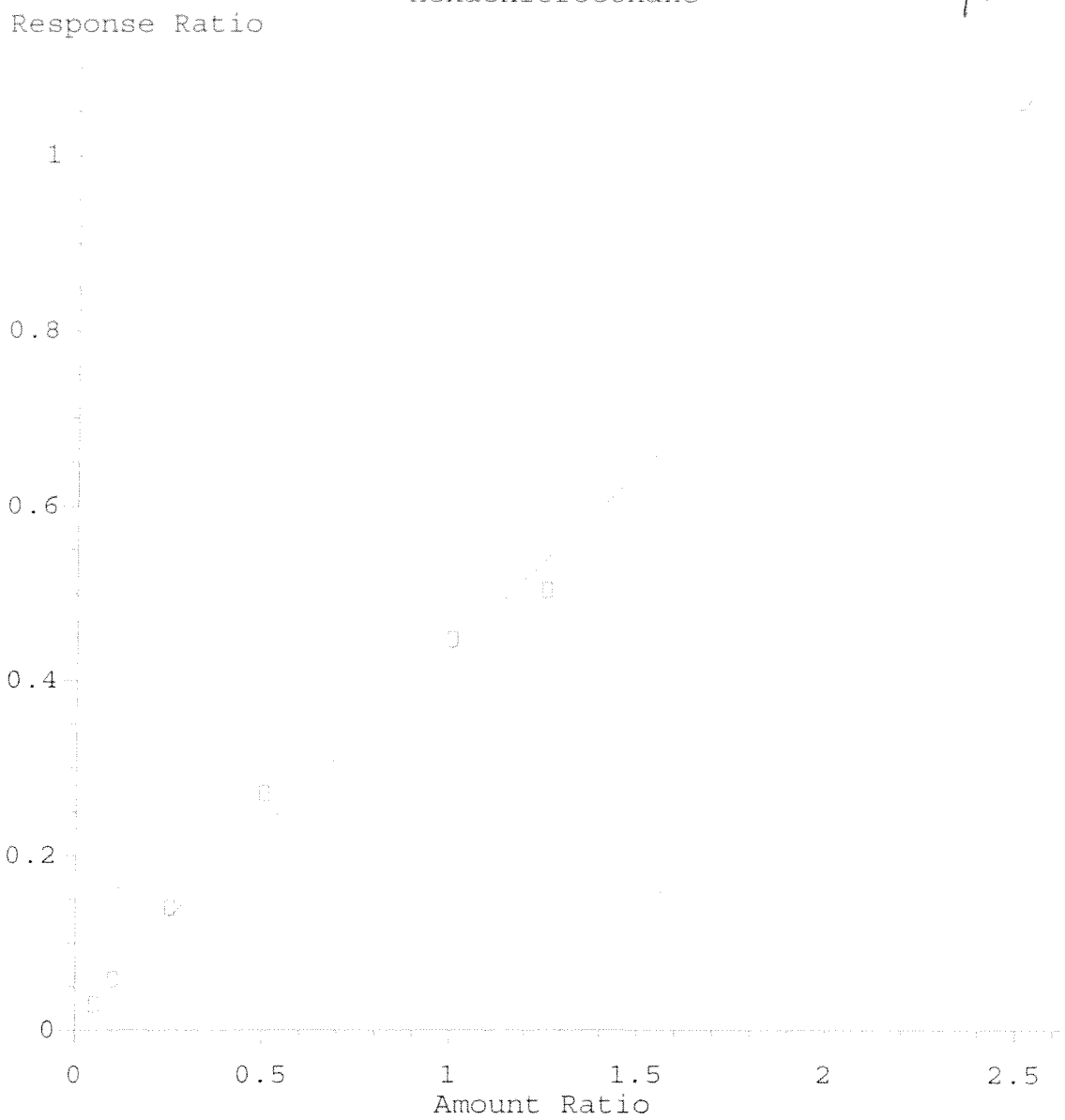
R = -2.08e-001 A*A + 2.26e+000 A + 9.77e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 04:59:49 2010

592210

PM 9/22/10

Hexachloroethane



R = 1.61e-003 A*A + 4.07e-001 A + 2.84e-002
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:05:35 2010

J92210

AN 9/22/10

Benzoic Acid

R = 5.05e-003 A*A + 2.26e-001 A - 2.19e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:05:44 2010

S92210

9/22/10

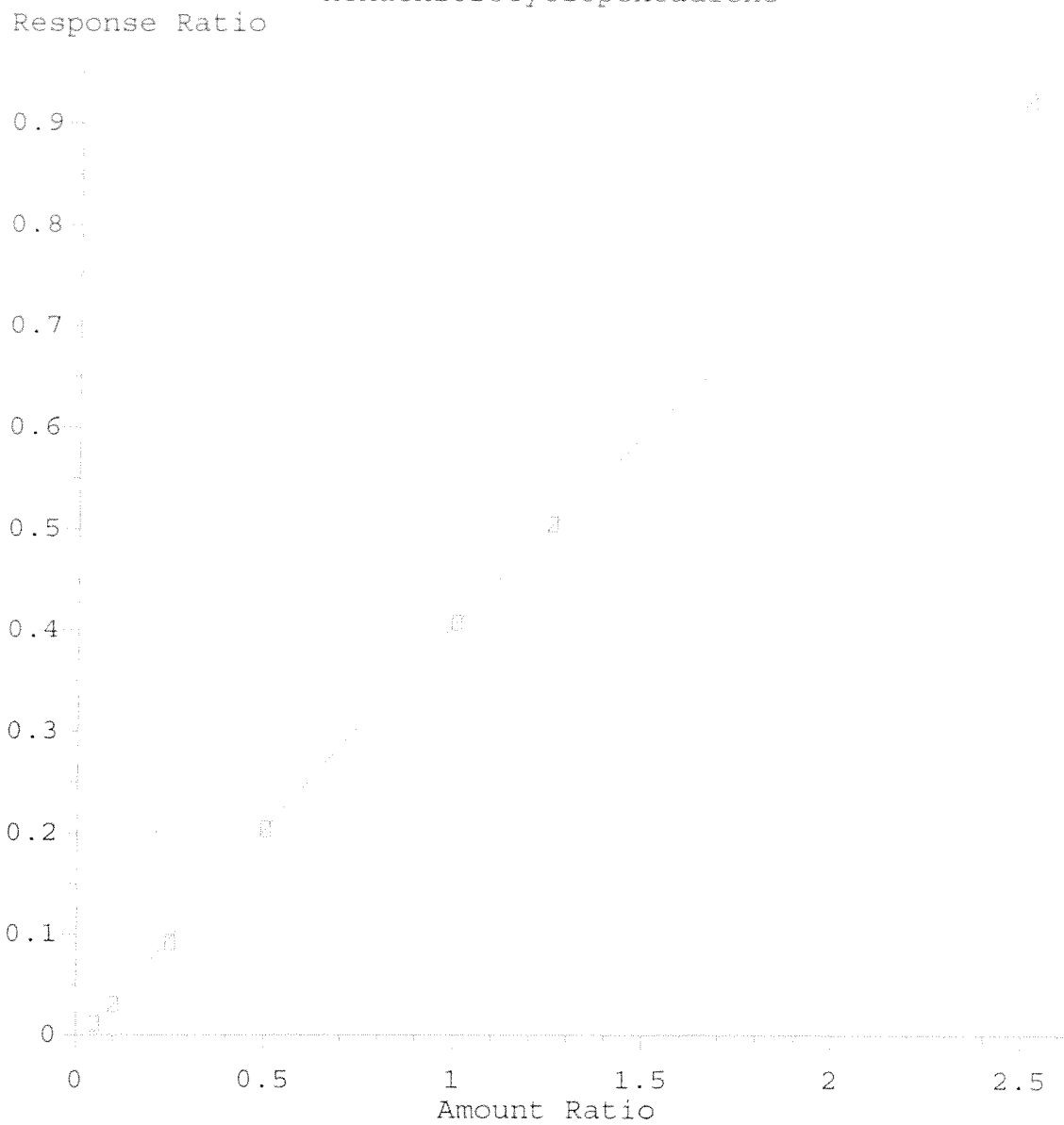
R = -5.37e-002 A*A + 4.58e-001 A + 1.04e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:05:54 2010

S92210

9/22/10

Hexachlorocyclopentadiene



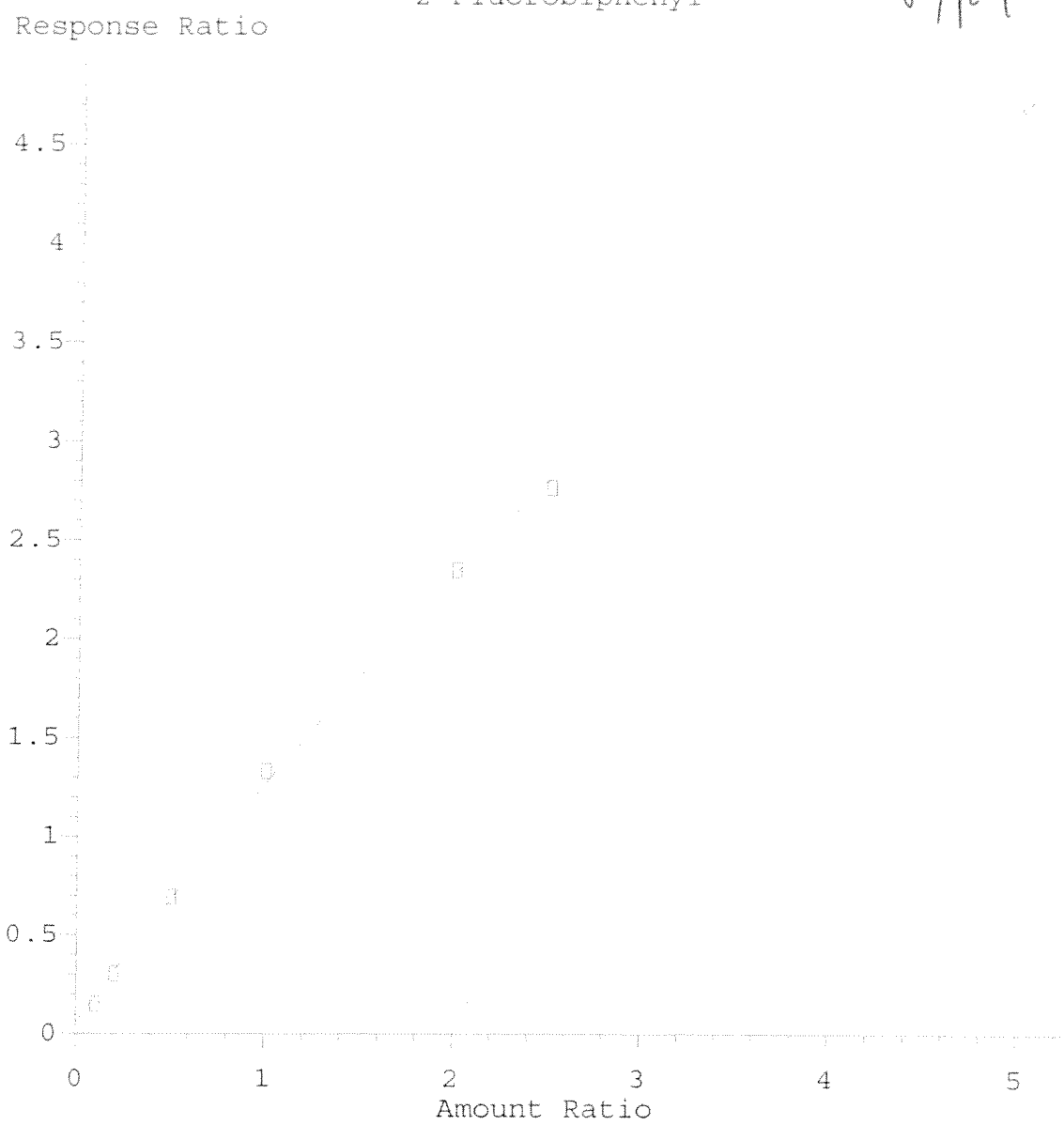
R = -3.18e-002 A*A + 4.54e-001 A - 1.51e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:02 2010

J92210

9/24/10

2-Fluorobiphenyl

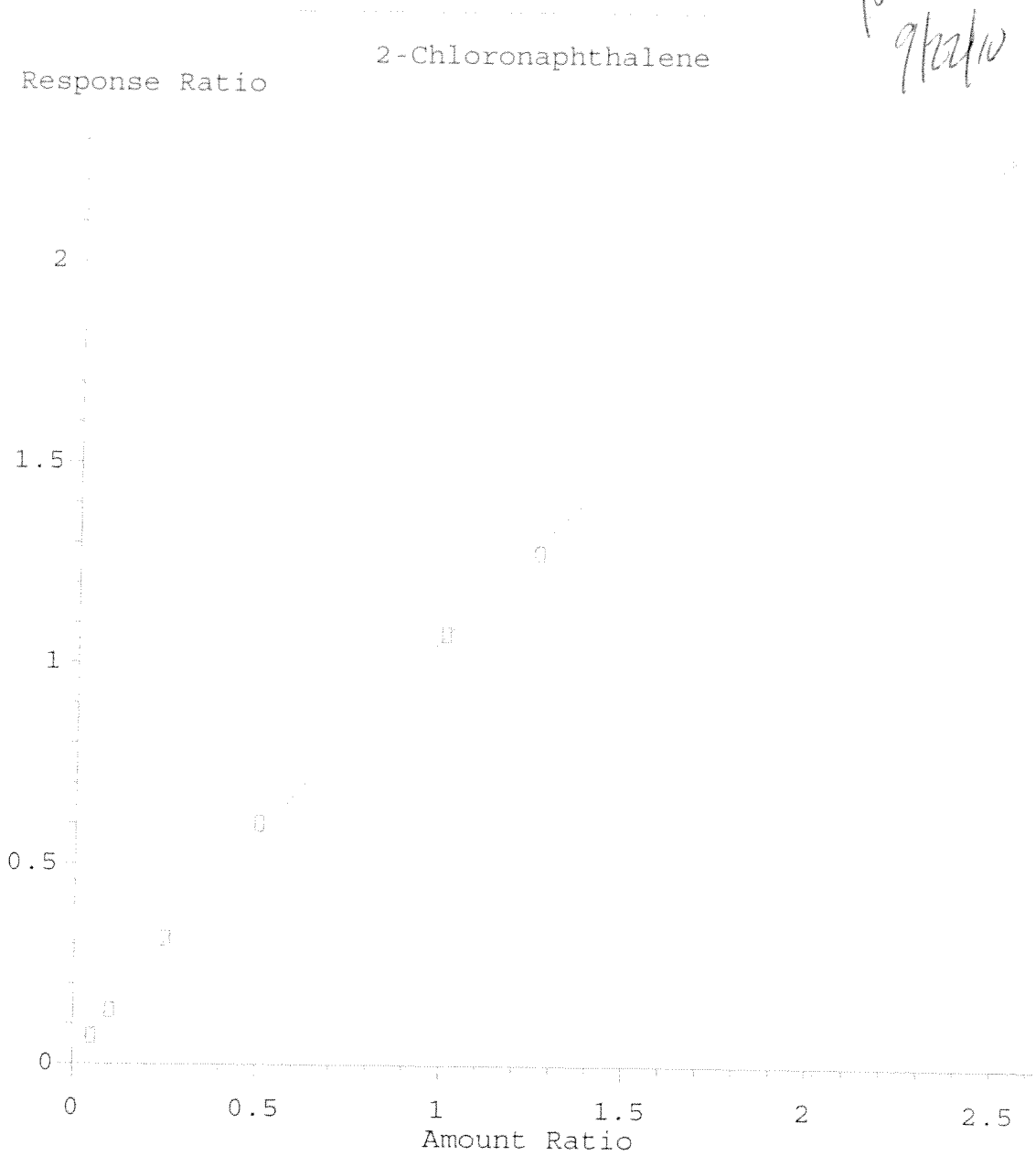


R = -7.06e-002 A*A + 1.28e+000 A + 5.85e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:10 2010

592210

9/22/10



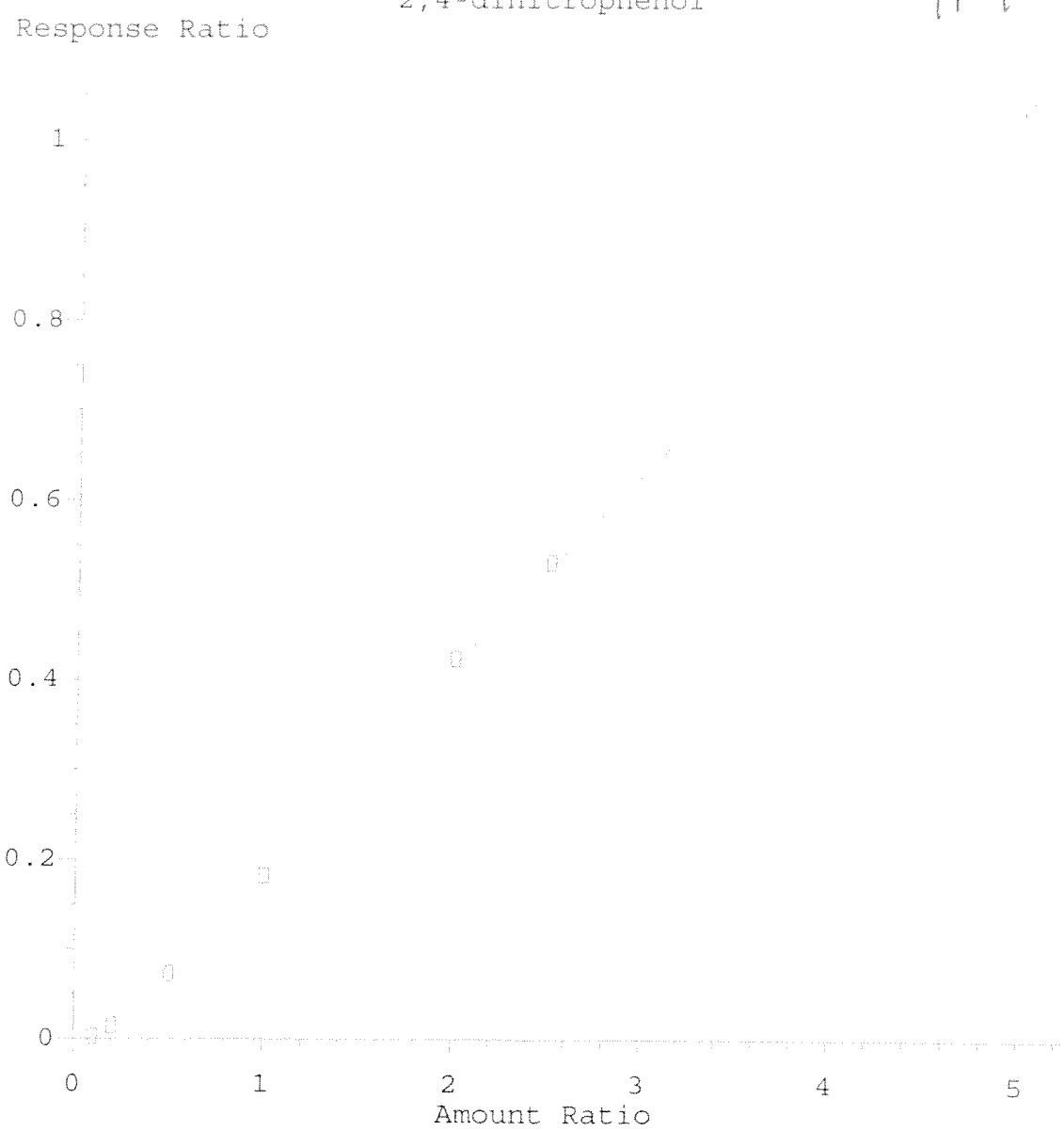
R = -1.03e-001 A*A + 1.15e+000 A + 2.68e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:18 2010

592210

OK 9/02/10

2,4-dinitrophenol



R = -3.70e-003 A*A + 2.33e-001 A - 3.27e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:22 2010

092210

9/22/10

4-Chlorophenyl phenyl ether

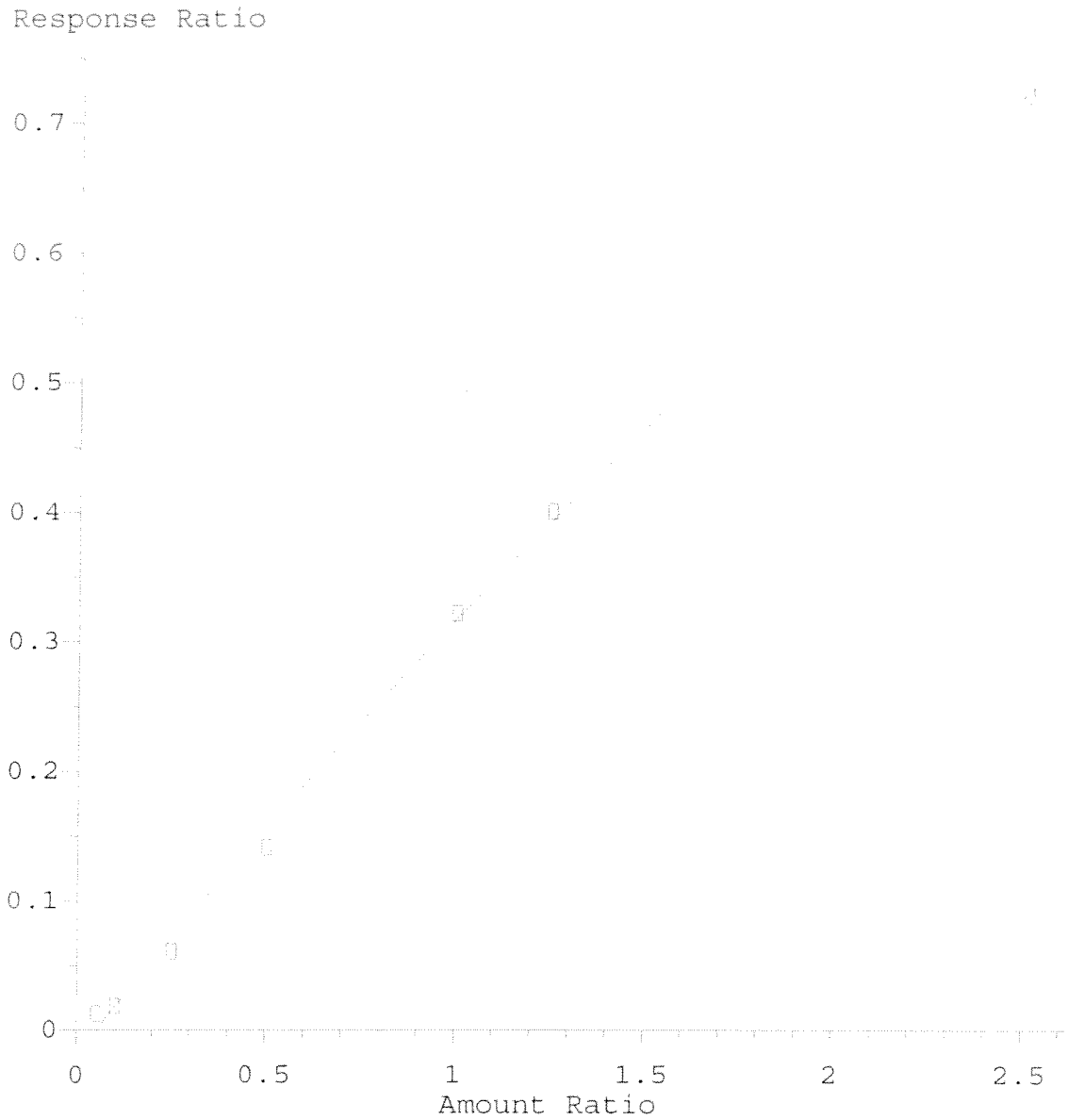
R = -9.52e-002 A*A + 7.54e-001 A + 7.50e-003
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:33 2010

592210

9/22/10

4-Nitroaniline



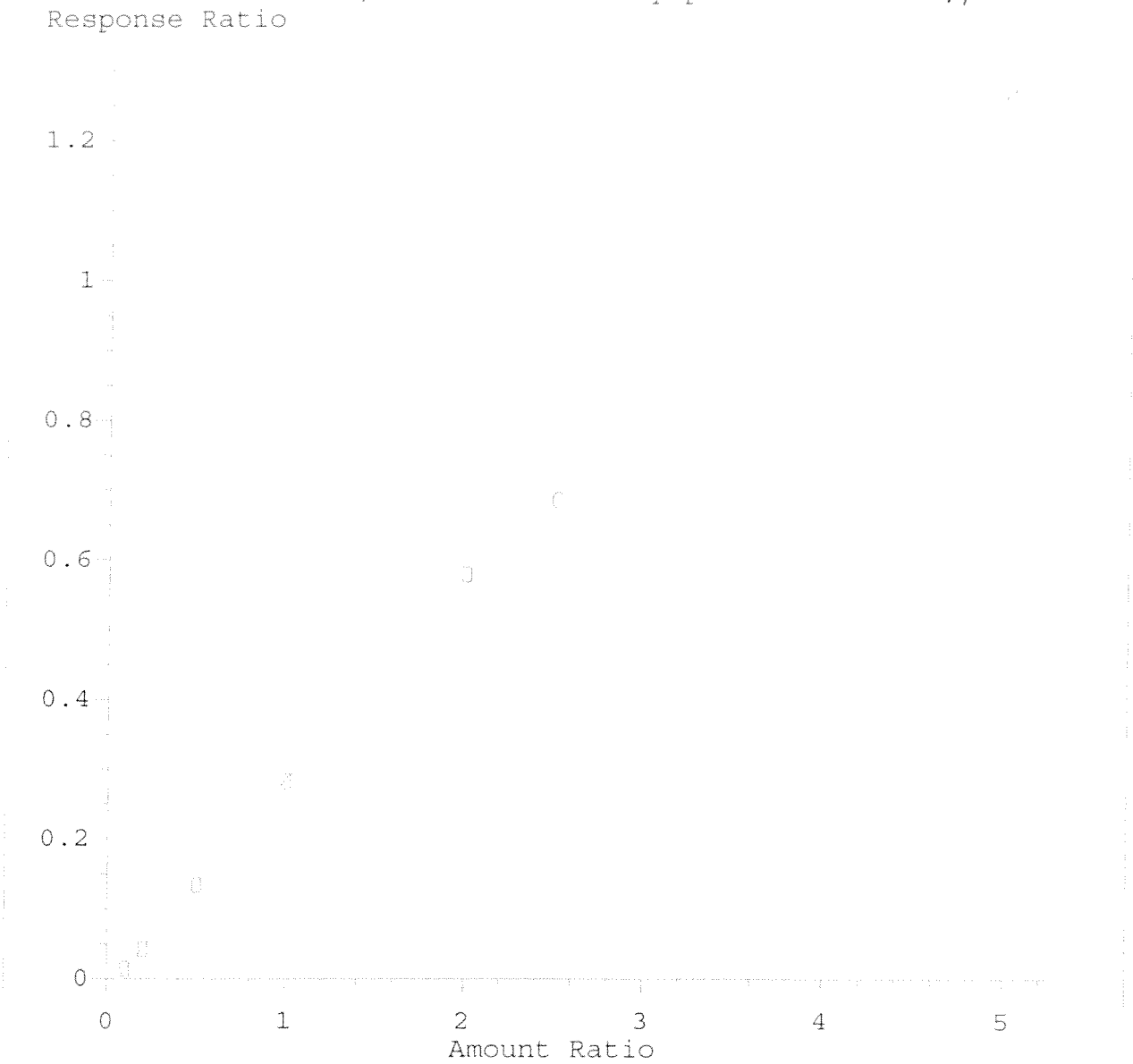
R = -2.65e-002 A*A + 3.63e-001 A - 1.85e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:42 2010

592210

9/22/10

4,6-Dinitro-2-methylphenol



R = -1.16e-002 A*A + 3.15e-001 A - 1.89e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:47 2010

092210

PK 9/22/10

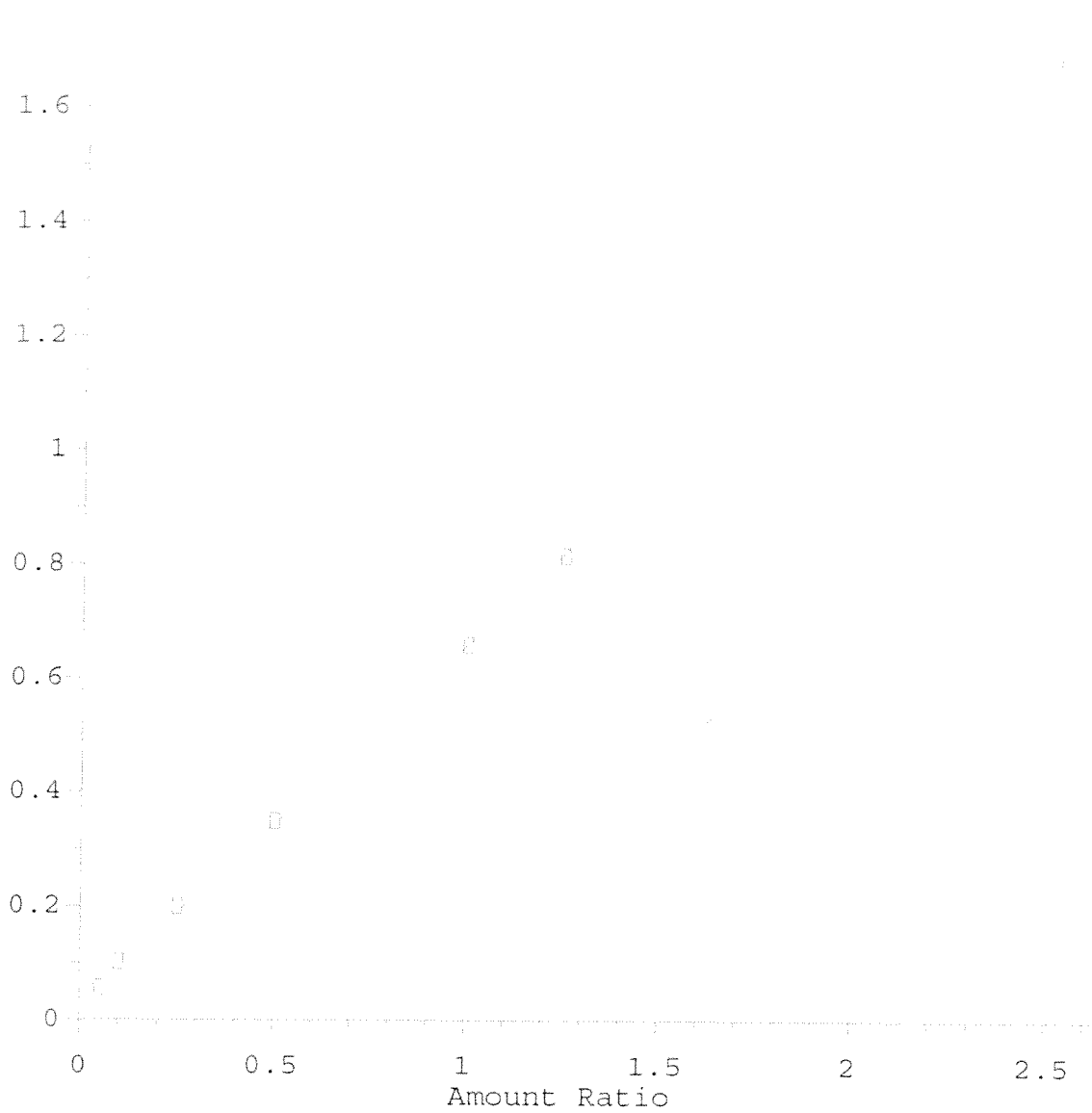
R = -1.51e-001 A*A + 1.37e+000 A + 4.39e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:06:53 2010

592210

OK 9/22/10

Carbazole



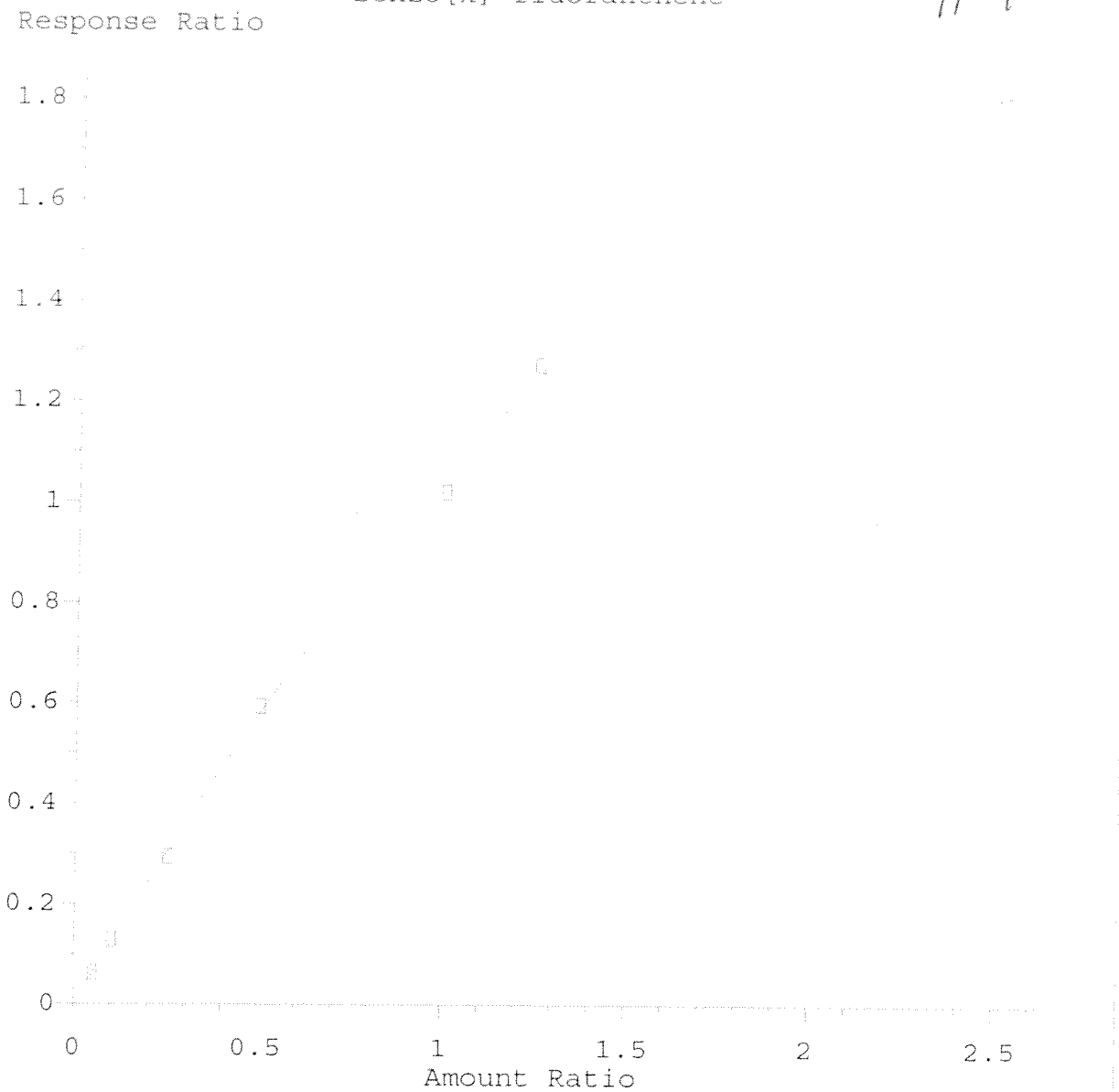
R = 2.27e-002 A*A + 5.96e-001 A + 4.01e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:07:01 2010

592210

OK 9/21/10

Benzo[k] fluoranthene



R = -2.21e-001 A*A + 1.27e+000 A - 9.11e-004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

Method Name: C:\msdchem\1\METHODS\ABN091710.M
Calibration Table Last Updated: Sat Sep 18 05:07:11 2010

592210

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 04:34:04 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

MC 9/22/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.019	152	467340	40.00	ug/ml	0.00
19) d8-Naphthalene	5.310	136	1385756	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.028	164	777487	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.456	188	1371394	40.00	ug/ml	0.00
71) d12-Chrysene	11.000	240	1511123	40.00	ug/ml	0.00
79) d12-Perylene	12.468	264	1300090	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.682	112	53547	3.86	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 5.15%#			
5) d5-Phenol	3.701	99	66338	4.09	ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 5.45%#			
20) d5-nitrobenzene	4.595	82	52632	4.38	ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 8.76%#			
39) 2-Fluorobiphenyl	6.395	172	117123	3.00	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 6.00%#			
60) 2,4,6-Tribromophenol	7.795	330	15784	3.85	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 5.13%#			
73) d14-p-terphenyl	10.019	244	121624	4.07	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 8.14%#			

Target Compounds						Qvalue
2) Pyridine	1.540	79	28615	1.81	ug/ml	100
3) N-nitrosodimethylamine	1.512	74	15022	1.79	ug/ml	100
6) Aniline	3.692	93	45427	2.09	ug/ml	100
7) Phenol	3.715	94	69233	4.24	ug/ml	100
8) 2-Chlorophenol	3.804	128	61735	4.27	ug/ml	100
9) bis(2-chloroethyl) ether	3.776	63	26599	1.85	ug/ml	100
10) 1,3-Dichlorobenzene	3.954	146	38104	2.04	ug/ml	100
11) 1,4-Dichlorobenzene	4.038	146	37009	2.05	ug/ml	100
12) 1,2-Dichlorobenzene	4.188	146	36162	2.07	ug/ml	100
13) Benzyl Alcohol	4.202	108	12161	1.31	ug/ml	100
14) 2-Methylphenol	4.337	108	51211	4.41	ug/ml	100
15) bis(2-chloroisopropyl)...	4.337	45	70826	1.89	ug/ml	100
16) 3+4-Methylphenol	4.501	108	49541	4.12	ug/ml	100
17) Hexachloroethane	4.524	117	13733	2.12	ug/ml	100
18) N-nitroso-di-n-propyla...	4.468	70	16715	2.26	ug/ml	100
21) Nitrobenzene	4.613	123	14376	2.25	ug/ml	100
22) Isophorone	4.870	82	45143	2.03	ug/ml	100
23) 2-Nitrophenol	4.936	139	32375	4.72	ug/ml	100
24) 2,4-Dimethylphenol	5.034	107	54567	4.32	ug/ml	100
25) Bis(2-chloroethoxy)met...	5.118	93	31059	2.11	ug/ml	100
26) 2,4-Dichlorophenol	5.198	162	51661	4.39	ug/ml	100

SG 2210

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 04:34:04 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

9/22/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.315	105	14419m	9.71 ug/ml	
28) 1,2,4-Trichlorobenzene	5.259	180	32104	2.20 ug/ml	100
29) Naphthalene	5.329	128	79507	2.14 ug/ml	100
30) 2,6-Dichlorophenol	5.413	162	47760	4.43 ug/ml	100
31) 4-Chloroaniline	5.413	127	35850	1.41 ug/ml	100
32) Hexachlorobutadiene	5.474	225	17953	2.07 ug/ml	100
33) 4-Chloro-3-methylphenol	5.942	107	44238	4.27 ug/ml	100
34) 2-Methylnaphthalene	6.018	141	49744	2.17 ug/ml	100
36) Hexachlorocyclopentadiene	6.180	237	8709	2.26 ug/ml	100
37) 2,4,6-Trichlorophenol	6.319	196	34190	4.12 ug/ml	100
38) 2,4,5-Trichlorophenol	6.363	196	40266	4.32 ug/ml	100
40) 2-Chloronaphthalene	6.489	162	54752	1.68 ug/ml	100
41) 2-Nitroaniline	6.614	138	18844	2.85 ug/ml	100
42) 2,6-Dinitrotoluene	6.863	165	12830	2.88 ug/ml	100
43) Dimethyl Phthalate	6.815	163	64602	2.12 ug/ml	100
44) Acenaphthylene	6.883	152	83945	2.25 ug/ml	100
45) 3-Nitroaniline	7.019	138	13077	2.37 ug/ml	100
46) Acenaphthene	7.057	153	51247	2.16 ug/ml	100
47) 2,4-dinitrophenol	7.145	184	2287	8.97 ug/ml#	83
48) Dibenzofuran	7.227	168	81458	2.21 ug/ml	100
49) 4-Nitrophenol	7.261	109	9547	3.80 ug/ml#	1
50) 2,4-Dinitrotoluene	7.252	165	17325	3.18 ug/ml	100
51) 2,3,4,6-Tetrachlorophenol	7.368	232	29616	4.03 ug/ml	100
52) Fluorene	7.557	166	63942	2.28 ug/ml	100
53) Diethyl Phthalate	7.499	149	64228	2.24 ug/ml	100
54) 4-Chlorophenyl phenyl ...	7.582	204	31898	1.88 ug/ml	100
55) 4-Nitroaniline	7.606	138	9899	4.26 ug/ml	100
56) 4,6-Dinitro-2-methylph...	7.645	198	11265	7.48 ug/ml	100
57) n-nitrosodiphenylamine	7.698	169	44714	2.18 ug/ml	100
58) Azobenzene	7.732	77	51482	2.11 ug/ml	100
59) Biphenyl	6.489	154	65521	1.47 ug/ml	100
62) 4-bromophenyl phenyl e...	8.047	248	18745	1.99 ug/ml	100
63) Hexachlorobenzene	8.083	284	21112	2.20 ug/ml	100
64) Pentachlorophenol	8.299	266	12769	2.15 ug/ml#	71
65) Phenanthrene	8.474	178	87657	2.15 ug/ml	100
66) Anthracene	8.524	178	91992	2.18 ug/ml	100
67) Carbazole	8.704	167	77725	1.49 ug/ml	100
68) Di-n-butyl phthalate	9.087	149	104351	2.09 ug/ml	100
69) Fluoranthene	9.616	202	99770	2.17 ug/ml	100
70) Benzidine	9.796	184	10962	1.55 ug/ml	100
72) Pyrene	9.825	202	107448	2.11 ug/ml	100
74) Butyl benzyl phthalate	10.520	149	47452	2.01 ug/ml	100
75) Benzo[a]anthracene	10.985	228	89022	2.15 ug/ml	100

JRW

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 04:34:04 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

9/22/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.019	228	88506	2.01 ug/ml	100
77) 3,3'-Dichlorobenzidine	10.992	252	25315	2.79 ug/ml	100
78) Bis (2-ethylhexyl) pht...	11.098	149	61988	2.07 ug/ml	100
80) di-n-octyl-phthalate	11.747	149	99628	2.94 ug/ml	100
81) Benzo[b] fluoranthene	12.050	252	80578	2.21 ug/ml	100
82) Benzo[k] fluoranthene	12.079	252	82632	1.70 ug/ml	100
83) Benzo[a] pyrene	12.389	252	79647	2.14 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	13.625	276	56318m	3.62 ug/ml	
85) Dibenz [a,h] anthracene	13.657	278	65636	3.67 ug/ml	100
86) Benzo(g,h,i) perylene	13.913	276	75017	2.34 ug/ml	100

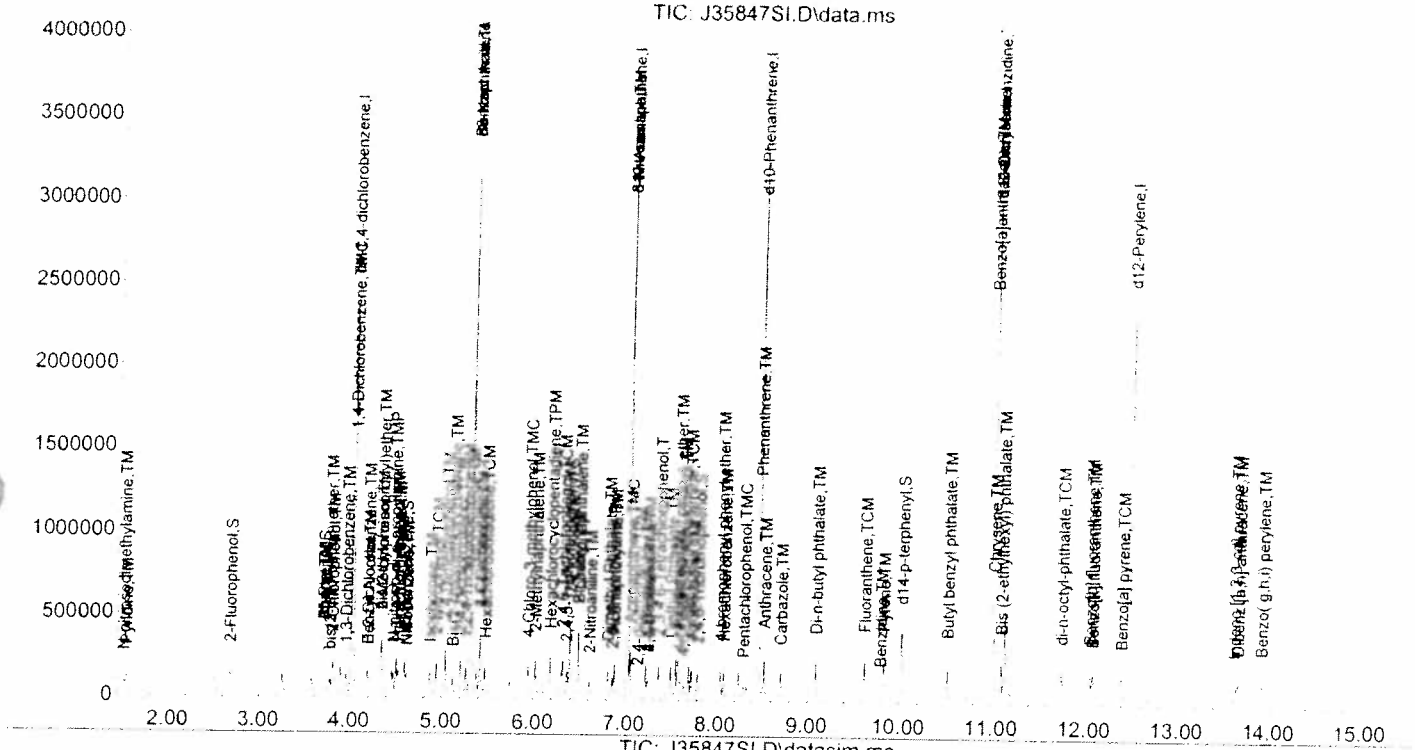
(#) = qualifier out of range (m) = manual integration (+) = signals summed

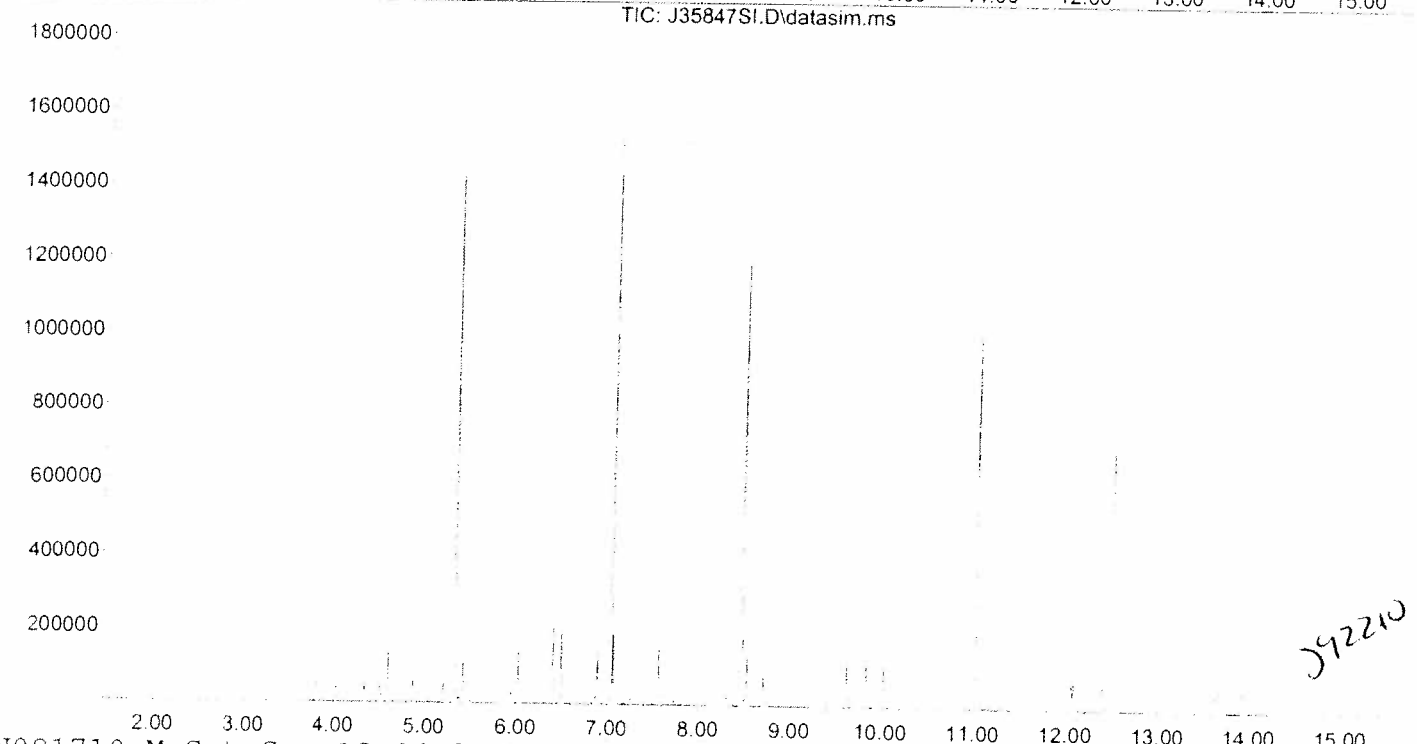
592210

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 04:34:04 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

9/22/10





J92210

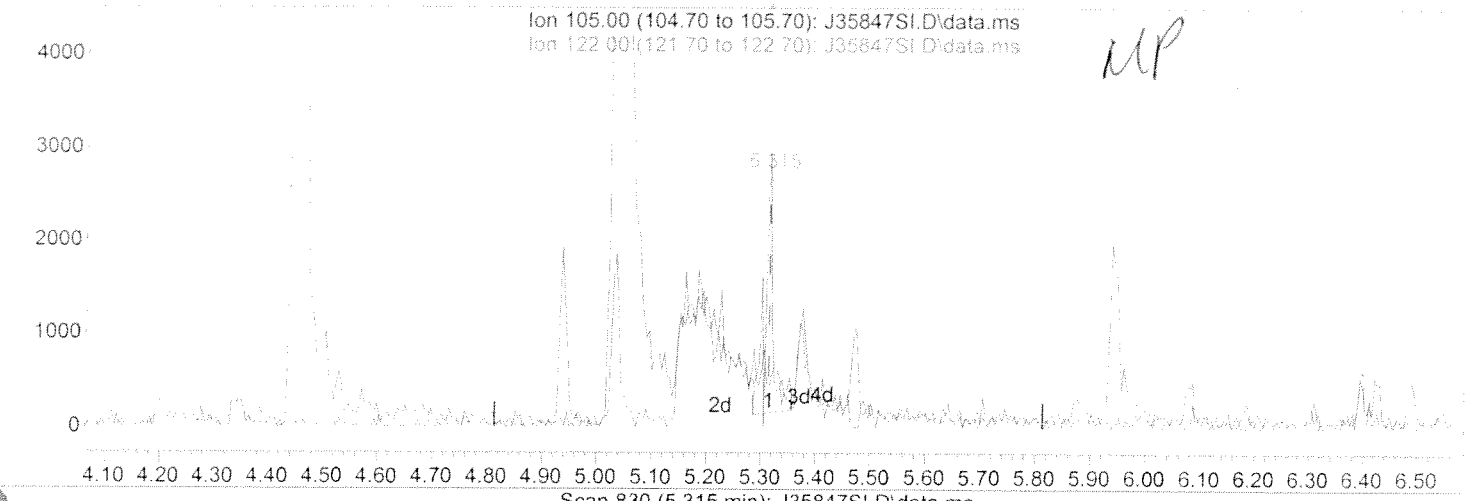
Quantitation Report (Qedit)

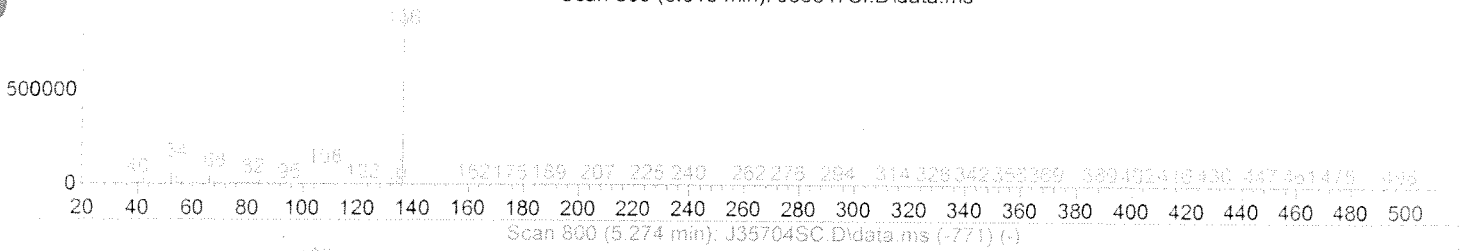
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

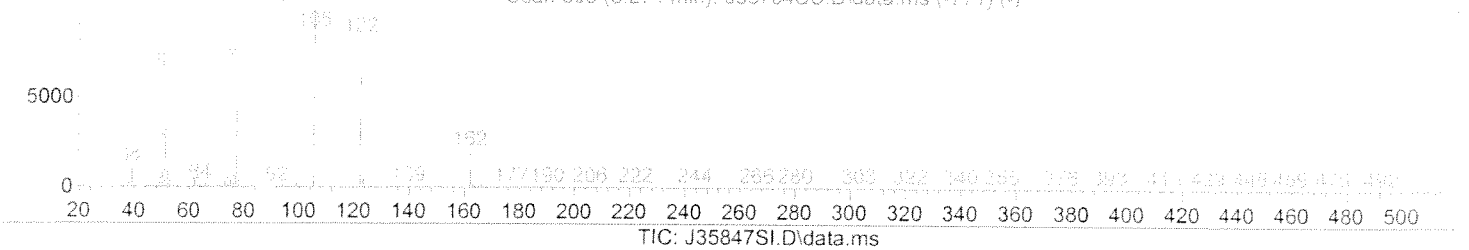
Quant Time: Sep 18 04:32:32 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

9/22/10

MP







(27) Benzoic Acid (TM)

5.315min (0.000) 8.43ug/ml

response 2798

Ion	Exp%	Act%
105.00	100	100
122.00	1.40	18.37#
0.00	0.00	0.00
0.00	0.00	0.00

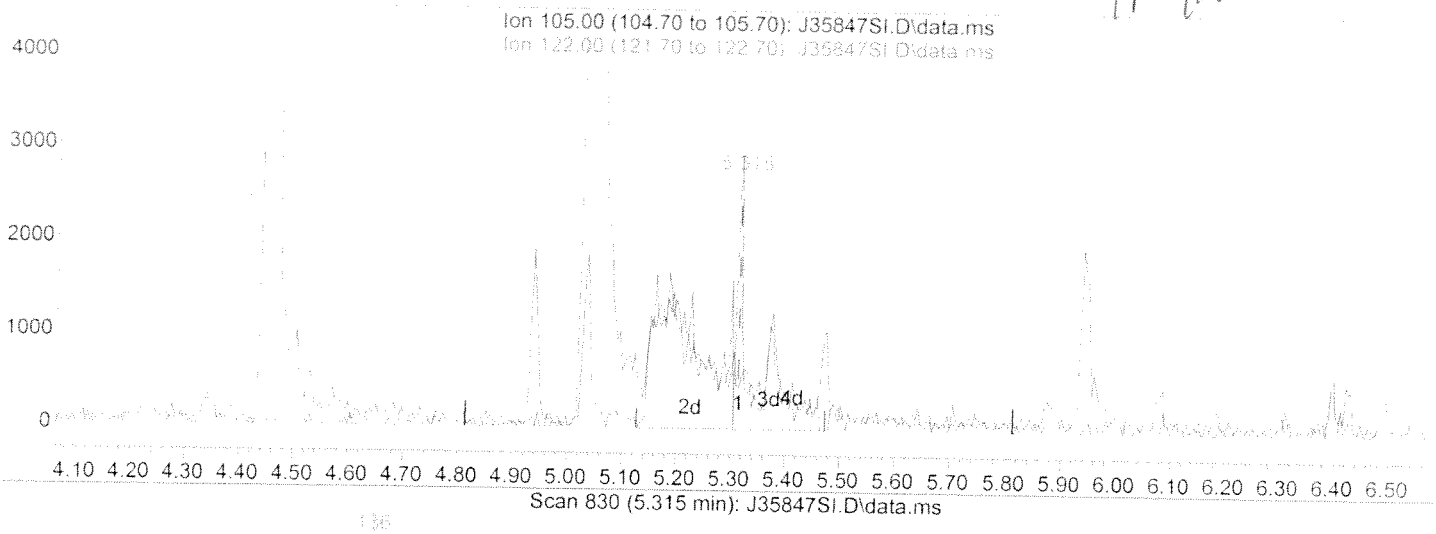
392240

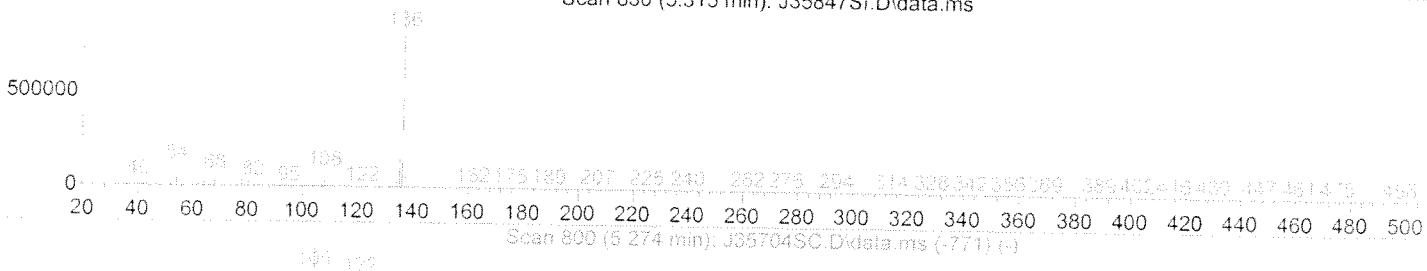
Quantitation Report (Qedit)

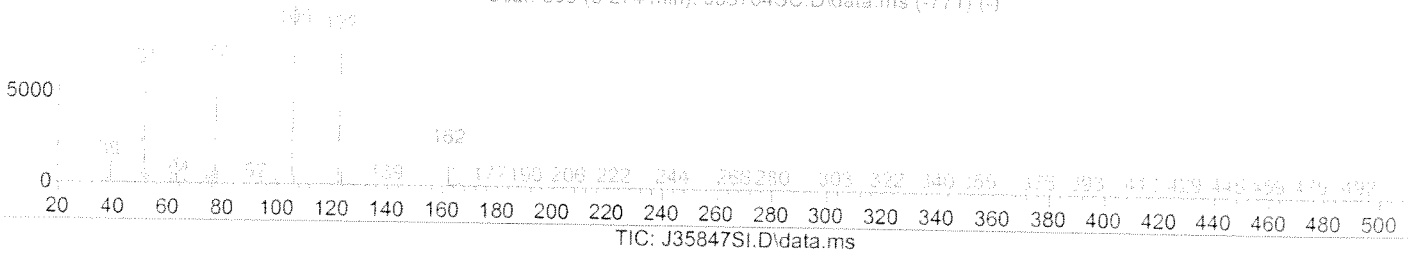
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 04:32:32 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

9/22/10







(27) Benzoic Acid (TM)

5.315min (0.000) 9.71ug/ml m

response 14419

Ion	Exp%	Act%
105.00	100	100
122.00	1.40	3.56#
0.00	0.00	0.00
0.00	0.00	0.00

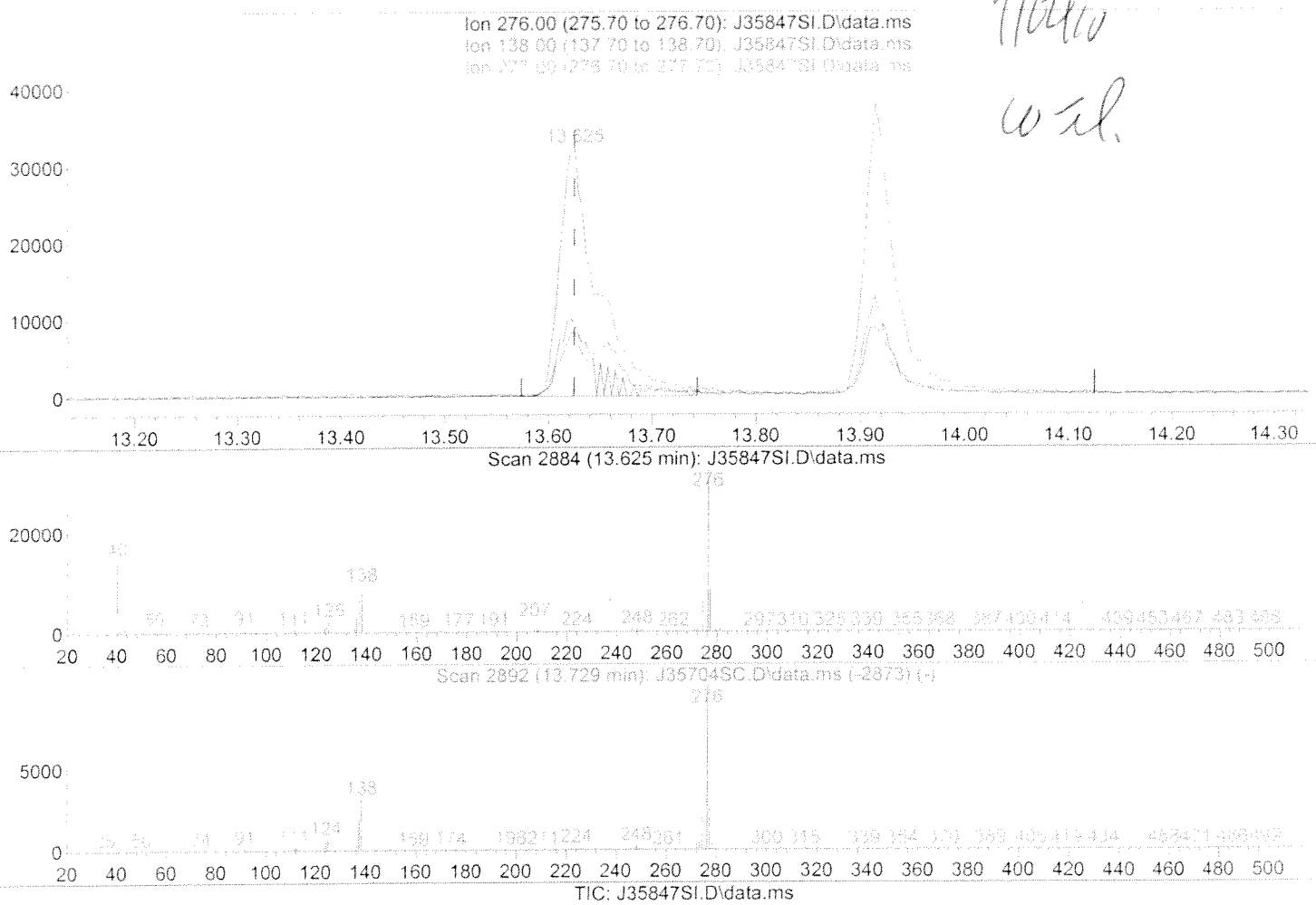
J92210

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 04:32:32 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

MC
9/22/10
WL



(84) Indeno [1,2,3-cd] pyrene (TM)

13.625min (0.000) 4.45ug/ml

response 83340

Ion	Exp%	Act%
276.00	100	100
138.00	32.90	22.22#
277.00	26.20	17.74#
0.00	0.00	0.00

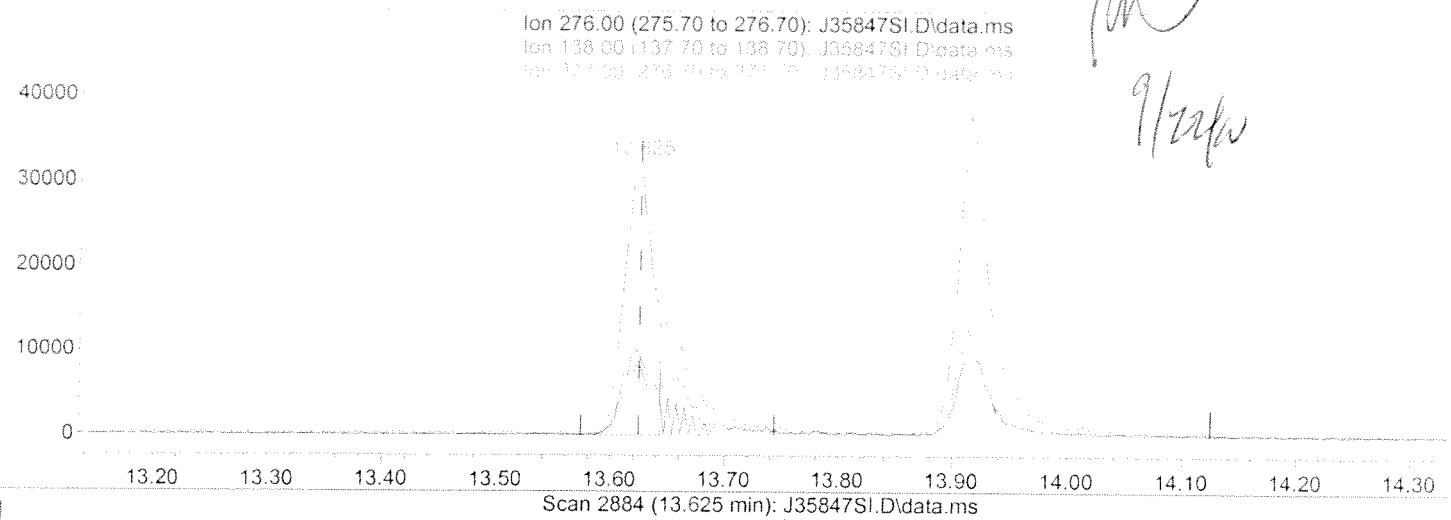
J92210

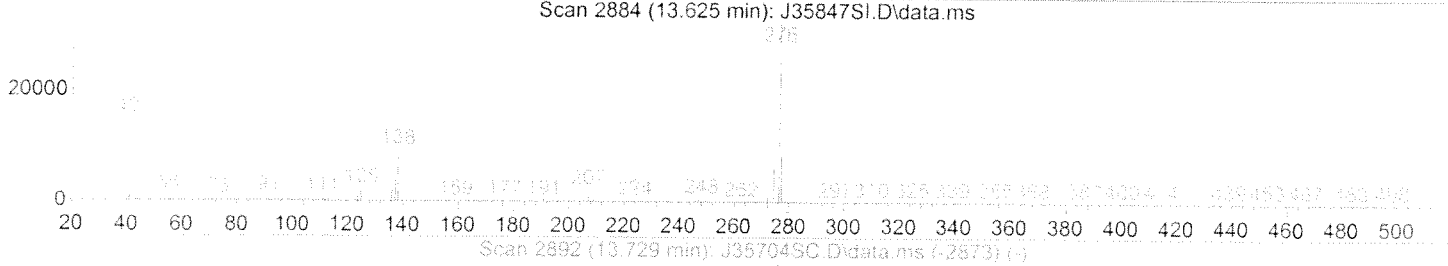
Quantitation Report (Qedit)

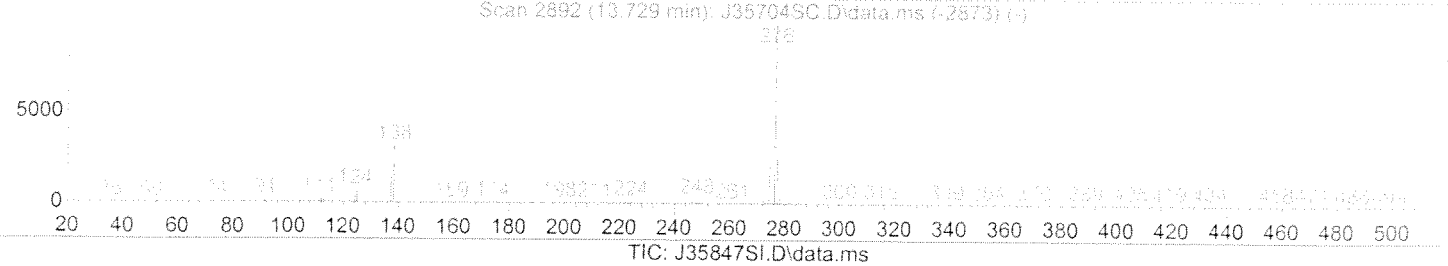
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 04:32:32 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:32:28 2010
Response via : Initial Calibration

9/22/10







(84) Indeno [1,2,3-cd] pyrene (TM)

13.625min (0.000) 3.62ug/ml m

response 56318

Ion	Exp%	Act%
276.00	100	100
138.00	32.90	32.88
277.00	26.20	26.25
0.00	0.00	0.00

592210

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 04:36:00 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration

9/22/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.019	152	456768	40.00	ug/ml	0.00
19) d8-Naphthalene	5.310	136	1348707	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.028	164	764977	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.456	188	1349373	40.00	ug/ml	0.00
71) d12-Chrysene	10.999	240	1439522	40.00	ug/ml	0.00
79) d12-Perylene	12.464	264	1277714	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.682	112	107380	7.92	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 10.56%#			
5) d5-Phenol	3.697	99	133642	8.43	ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 11.24%#			
20) d5-nitrobenzene	4.595	82	101670	8.70	ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 17.40%#			
39) 2-Fluorobiphenyl	6.395	172	231712	7.30	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 14.60%#			
60) 2,4,6-Tribromophenol	7.795	330	35162	8.73	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 11.64%#			
73) d14-p-terphenyl	10.019	244	234320	8.23	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 16.46%#			

Target Compounds						Qvalue
2) Pyridine	1.536	79	57301	3.71	ug/ml	98
3) N-nitrosodimethylamine	1.512	74	31411	3.83	ug/ml	94
6) Aniline	3.692	93	88219	4.14	ug/ml	97
7) Phenol	3.711	94	138034	8.66	ug/ml	95
8) 2-Chlorophenol	3.804	128	120076	8.50	ug/ml	94
9) bis(2-chloroethyl) ether	3.776	63	49859	3.55	ug/ml	93
10) 1,3-Dichlorobenzene	3.954	146	76497	4.20	ug/ml	98
11) 1,4-Dichlorobenzene	4.038	146	71797	4.07	ug/ml	93
12) 1,2-Dichlorobenzene	4.188	146	73873	4.32	ug/ml	100
13) Benzyl Alcohol	4.197	108	28754	3.16	ug/ml#	81
14) 2-Methylphenol	4.337	108	104497	9.21	ug/ml	97
15) bis(2-chloroisopropyl)...	4.342	45	138894	3.97	ug/ml	97
16) 3+4-Methylphenol	4.501	108	103439	8.81	ug/ml	96
17) Hexachloroethane	4.529	117	26740	3.95	ug/ml	98
18) N-nitroso-di-n-propyla...	4.468	70	32065	4.44	ug/ml	88
21) Nitrobenzene	4.613	123	28159	4.53	ug/ml	83
22) Isophorone	4.871	82	92404	4.28	ug/ml	99
23) 2-Nitrophenol	4.936	139	65812	9.86	ug/ml	98
24) 2,4-Dimethylphenol	5.034	107	108093	8.80	ug/ml	97
25) Bis(2-chloroethoxy)met...	5.118	93	59717	4.17	ug/ml	94
26) 2,4-Dichlorophenol	5.198	162	99892	8.71	ug/ml	93

392210

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 04:36:00 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration

9/22/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.151	105	32387m	11.79 ug/ml	
28) 1,2,4-Trichlorobenzene	5.259	180	59902	4.21 ug/ml	93
29) Naphthalene	5.329	128	156722	4.34 ug/ml	99
30) 2,6-Dichlorophenol	5.413	162	94235	8.98 ug/ml	97
31) 4-Chloroaniline	5.408	127	72020	3.77 ug/ml	95
32) Hexachlorobutadiene	5.474	225	36019	4.26 ug/ml	97
33) 4-Chloro-3-methylphenol	5.938	107	90557	8.97 ug/ml	97
34) 2-Methylnaphthalene	6.018	141	94100	4.22 ug/ml	99
36) Hexachlorocyclopentadiene	6.180	237	23042	3.90 ug/ml	94
37) 2,4,6-Trichlorophenol	6.319	196	70959	8.70 ug/ml	98
38) 2,4,5-Trichlorophenol	6.363	196	79524	8.67 ug/ml	93
40) 2-Chloronaphthalene	6.489	162	102498	3.77 ug/ml	99
41) 2-Nitroaniline	6.614	138	39958	4.87 ug/ml	97
42) 2,6-Dinitrotoluene	6.863	165	27531	4.93 ug/ml	97
43) Dimethyl Phthalate	6.814	163	128144	4.28 ug/ml	100
44) Acenaphthylene	6.882	152	164579	4.48 ug/ml	100
45) 3-Nitroaniline	7.018	138	27811	5.11 ug/ml	88
46) Acenaphthene	7.057	153	102747	4.40 ug/ml	98
47) 2,4-dinitrophenol	7.135	184	11452	11.59 ug/ml	88
48) Dibenzofuran	7.227	168	167554	4.61 ug/ml	99
49) 4-Nitrophenol	7.251	109	23352	7.62 ug/ml	83
50) 2,4-Dinitrotoluene	7.246	165	36122	5.19 ug/ml#	83
51) 2,3,4,6-Tetrachlorophenol	7.368	232	63132	8.72 ug/ml	97
52) Fluorene	7.557	166	124530	4.51 ug/ml	100
53) Diethyl Phthalate	7.499	149	124271	4.41 ug/ml	100
54) 4-Chlorophenyl phenyl ...	7.581	204	61547	4.01 ug/ml	97
55) 4-Nitroaniline	7.605	138	14123	5.07 ug/ml#	84
56) 4,6-Dinitro-2-methylph...	7.639	198	32566	11.26 ug/ml	96
57) n-nitrosodiphenylamine	7.698	169	89835	4.45 ug/ml	98
58) Azobenzene	7.732	77	104204	4.35 ug/ml	99
59) Biphenyl	6.484	154	129513	3.76 ug/ml	98
62) 4-bromophenyl phenyl e...	8.046	248	38417	4.14 ug/ml	98
63) Hexachlorobenzene	8.082	284	40936	4.33 ug/ml	98
64) Pentachlorophenol	8.294	266	39240	6.70 ug/ml	89
65) Phenanthrene	8.474	178	172483	4.30 ug/ml	99
66) Anthracene	8.524	178	180599	4.36 ug/ml	99
67) Carbazole	8.699	167	139434	4.64 ug/ml	100
68) Di-n-butyl phthalate	9.086	149	209591	4.28 ug/ml	99
69) Fluoranthene	9.615	202	202896	4.48 ug/ml	99
70) Benzidine	9.788	184	25338	3.64 ug/ml#	93
72) Pyrene	9.824	202	209823	4.32 ug/ml	99
74) Butyl benzyl phthalate	10.520	149	94616	4.21 ug/ml	98
75) Benzo[a]anthracene	10.984	228	171970	4.35 ug/ml	99

9/22/10

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 04:36:00 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration

AR 9/20/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.018	228	170382	4.06 ug/ml	98
77) 3,3'-Dichlorobenzidine	10.992	252	49158	5.69 ug/ml#	96
78) Bis (2-ethylhexyl) pht...	11.098	149	123164	4.31 ug/ml	100
80) di-n-octyl-phthalate	11.747	149	204168	4.89 ug/ml	99
81) Benzo[b] fluoranthene	12.050	252	155440	4.34 ug/ml	97
82) Benzo[k] fluoranthene ✓	12.078	252	163991	3.67 ug/ml	98
83) Benzo[a] pyrene	12.385	252	158785	4.35 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	13.621	276	119119m	5.62 ug/ml	
85) Dibenz [a,h] anthracene	13.657	278	131811	5.66 ug/ml	97
86) Benzo(g,h,i) perylene	13.913	276	143779	4.57 ug/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

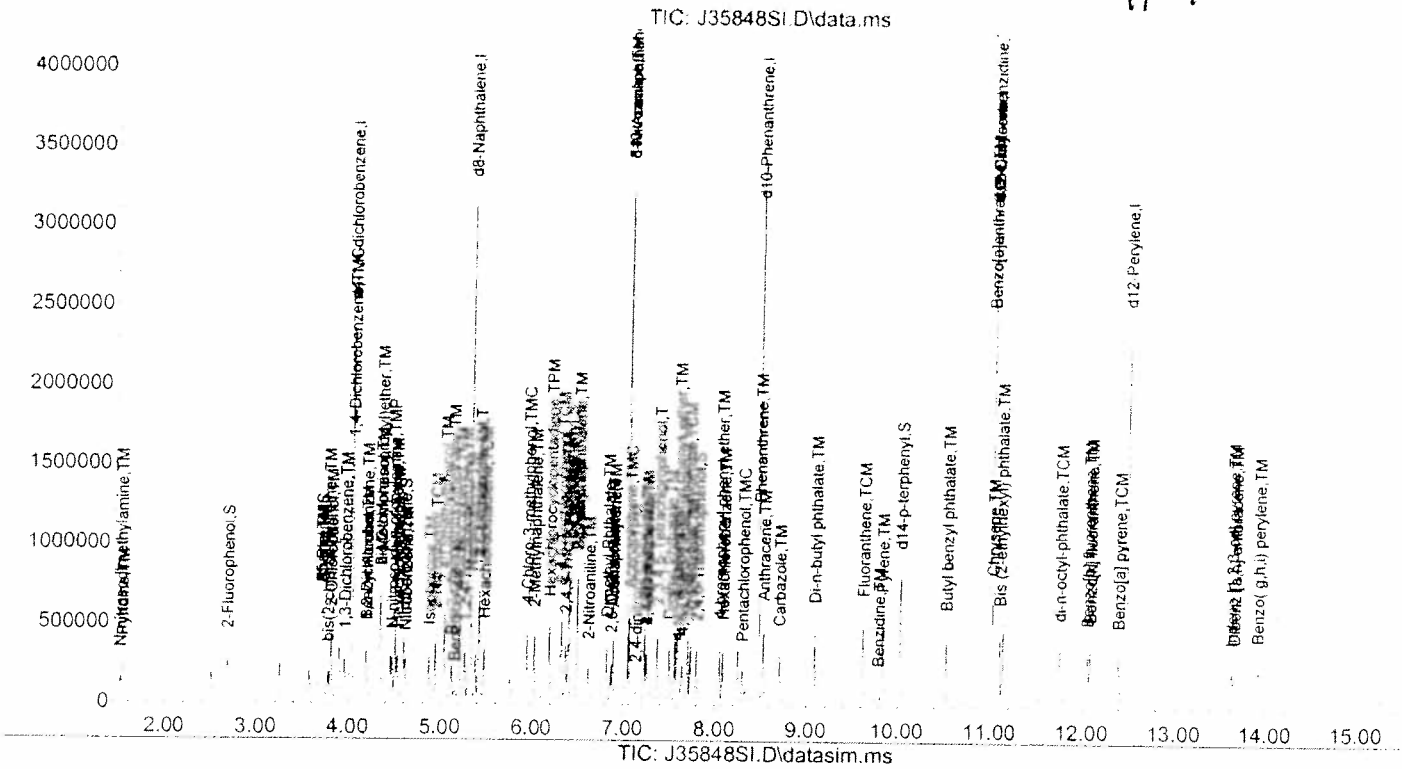
S12210

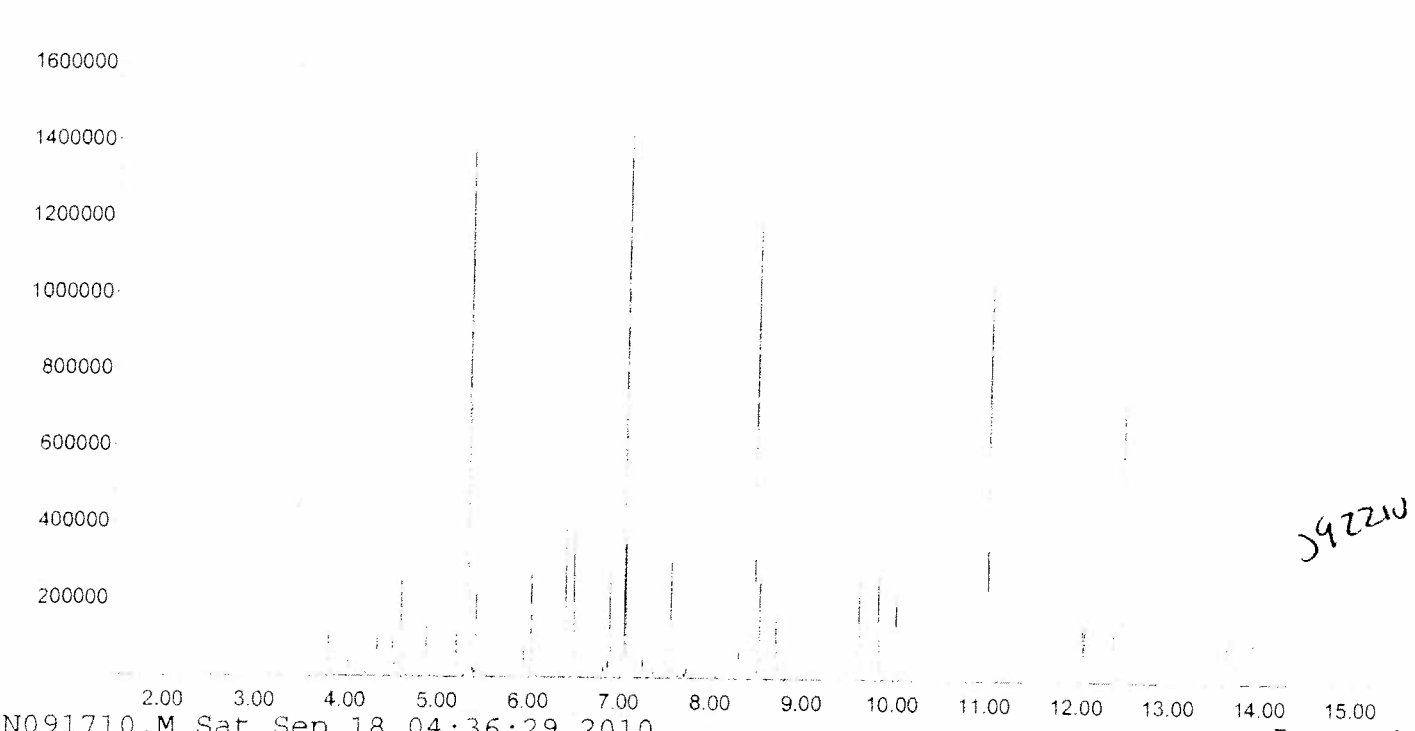
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 04:36:00 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration

MR 9/22/10





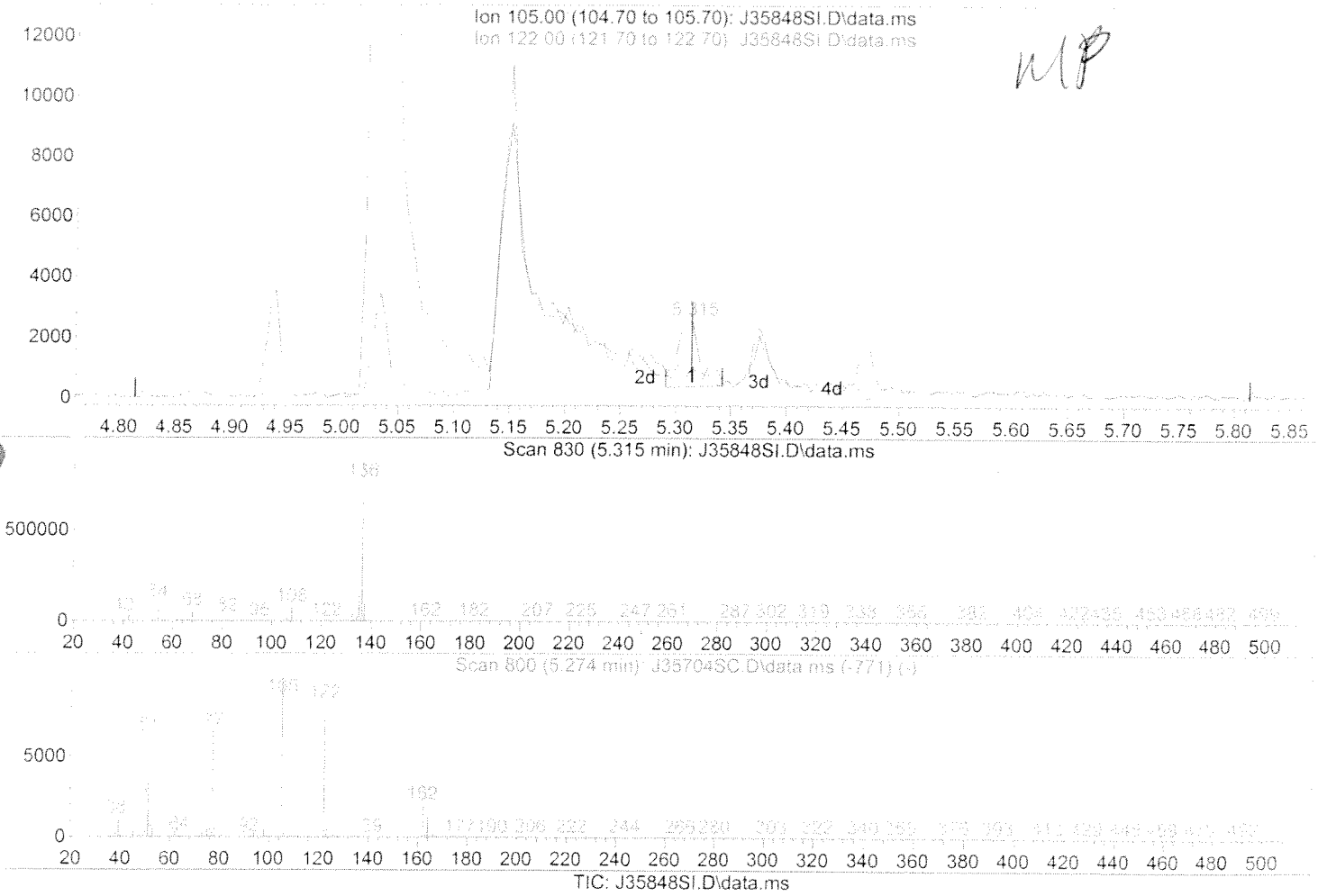
J 9/22/10

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 04:35:02 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration

9/22/10

MP



(27) Benzoic Acid (TM)

5.315min (+0.000) 8.46ug/ml

response 2933

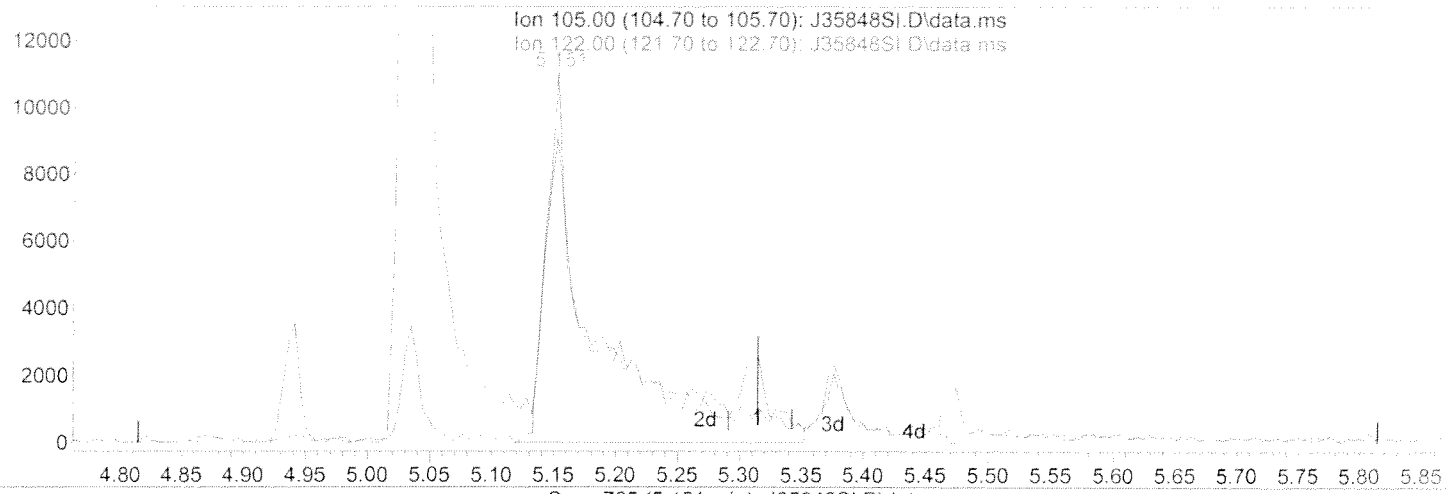
Ion	Exp%	Act%
105.00	100	100
122.00	3.60	23.25#
0.00	0.00	0.00
0.00	0.00	0.00

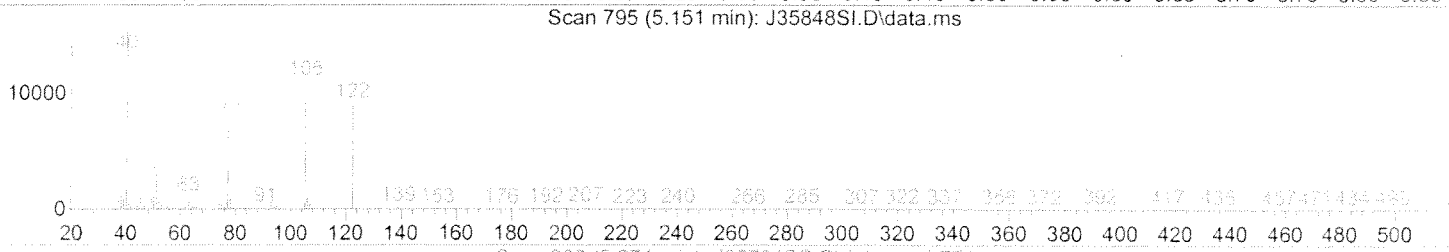
J92210

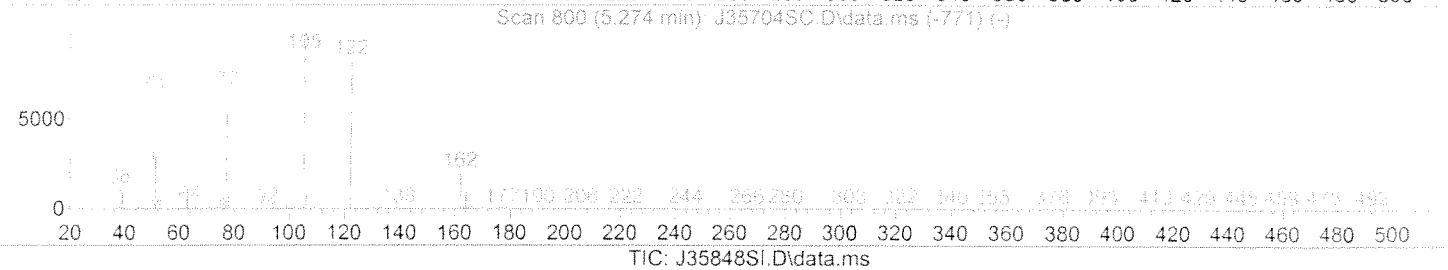
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 04:35:02 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration

OK 9/22/10







(27) Benzoic Acid (TM)

5.151min (-0.164) 11.79ug/ml m

response 32387

Ion	Exp%	Act%
105.00	100	100
122.00	3.60	2.11#
0.00	0.00	0.00
0.00	0.00	0.00

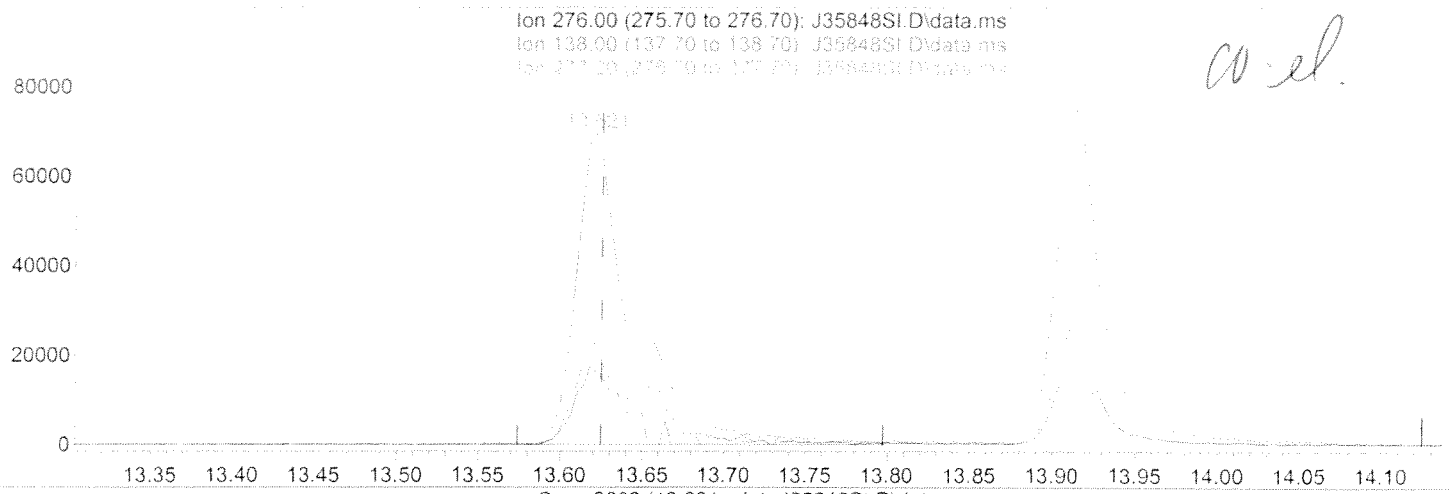
J92210

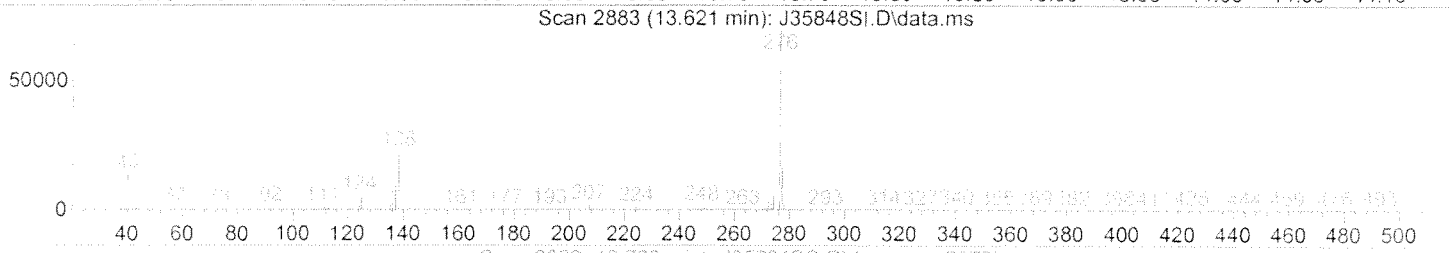
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

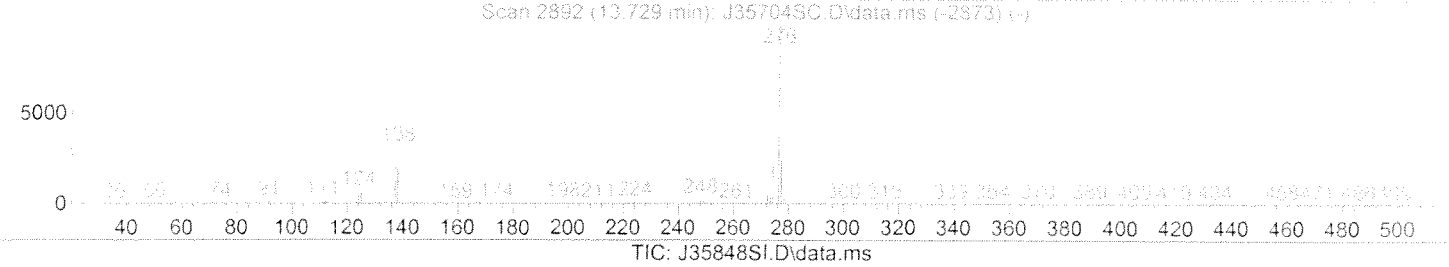
Quant Time: Sep 18 04:35:02 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration

9/23/10

co-el.







(84) Indeno [1,2,3-cd] pyrene (TM)

13.621min (-0.004) 7.22ug/ml

response 170268

Ion	Exp%	Act%
276.00	100	100
138.00	32.90	21.13#
277.00	26.20	19.11#
0.00	0.00	0.00

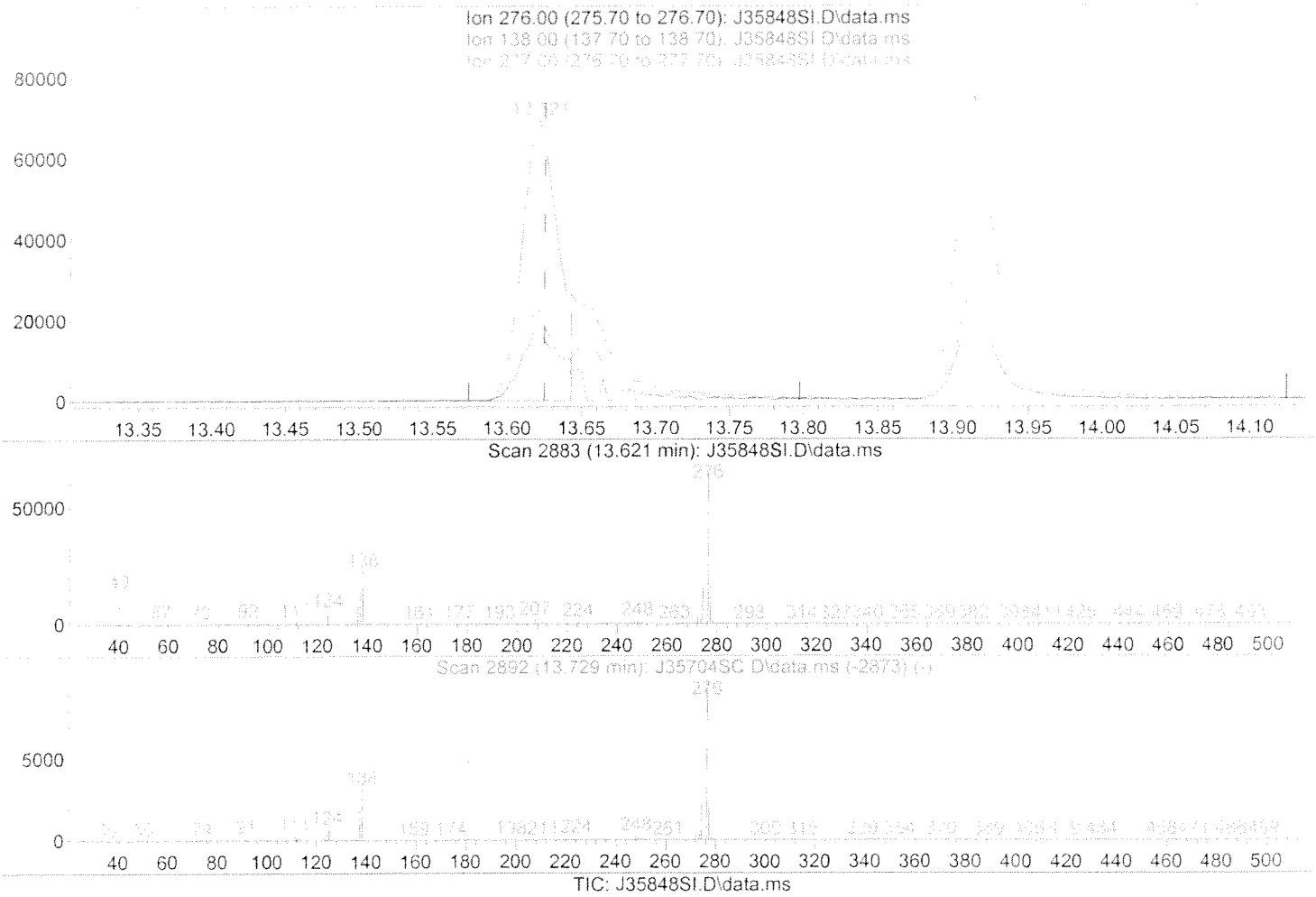
5/2710

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 04:35:02 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:34:57 2010
Response via : Initial Calibration

9/23/10



JGZW

(84) Indeno [1,2,3-cd] pyrene (TM)

13.621min (-0.004) 5.62ug/ml m

response 119119

Ion	Exp%	Act%
276.00	100	100
138.00	32.90	30.21
277.00	26.20	27.32
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:43:42 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

9/07/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.024	152	474965	40.00	ug/ml	0.00
19) d8-Naphthalene	5.310	136	1349962	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.033	164	785875	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.461	188	1378842	40.00	ug/ml	0.00
71) d12-Chrysene	11.004	240	1434879	40.00	ug/ml	0.00
79) d12-Perylene	12.464	264	1277290	40.00	ug/ml	0.00

System Monitoring Compounds

4) 2-Fluorophenol	2.682	112	282215	20.02	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 26.69%			
5) d5-Phenol	3.701	99	341925	20.73	ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 27.64%			
20) d5-nitrobenzene	4.599	82	248981	21.28	ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 42.56%			
39) 2-Fluorobiphenyl	6.399	172	544819	18.58	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 37.16%#			
60) 2,4,6-Tribromophenol	7.795	330	88104	21.29	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 28.39%#			
73) d14-p-terphenyl	10.019	244	538661	18.97	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 37.94%#			

Target Compounds

						Qvalue
2) Pyridine	1.531	79	153770	9.57	ug/ml	99
3) N-nitrosodimethylamine	1.512	74	83760	9.81	ug/ml	92
6) Aniline	3.692	93	226183m	10.22	ug/ml	
7) Phenol	3.715	94	352503	21.26	ug/ml	99
8) 2-Chlorophenol	3.809	128	307890	20.95	ug/ml	99
9) bis(2-chloroethyl) ether	3.781	63	139774	9.56	ug/ml	100
10) 1,3-Dichlorobenzene	3.958	146	193746	10.23	ug/ml	100
11) 1,4-Dichlorobenzene	4.038	146	182398	9.94	ug/ml	86
12) 1,2-Dichlorobenzene	4.188	146	188137	10.58	ug/ml	99
13) Benzyl Alcohol	4.197	108	80989	8.56	ug/ml#	81
14) 2-Methylphenol	4.337	108	247302	20.97	ug/ml	97
15) bis(2-chloroisopropyl)...	4.342	45	325217	9.31	ug/ml	99
16) 3+4-Methylphenol	4.506	108	253219	20.73	ug/ml	97
17) Hexachloroethane	4.529	117	66935	9.28	ug/ml	99
18) N-nitroso-di-n-propyla...	4.478	70	85564	11.40	ug/ml	97
21) Nitrobenzene	4.618	123	69881	11.23	ug/ml	90
22) Isophorone	4.875	82	231870	10.73	ug/ml	98
23) 2-Nitrophenol	4.941	139	169779	25.43	ug/ml	97
24) 2,4-Dimethylphenol	5.034	107	279435	22.72	ug/ml	97
25) Bis(2-chloroethoxy)met...	5.123	93	153492	10.70	ug/ml	96
26) 2,4-Dichlorophenol	5.198	162	260883	22.73	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:43:42 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

AR 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.193	105	118567m	21.48 ug/ml	
28) 1,2,4-Trichlorobenzene	5.263	180	150241	10.56 ug/ml	96
29) Naphthalene	5.329	128	373296	10.32 ug/ml	98
30) 2,6-Dichlorophenol	5.418	162	215908	20.54 ug/ml	100
31) 4-Chloroaniline	5.413	127	169428	10.11 ug/ml	99
32) Hexachlorobutadiene	5.474	225	85678	10.13 ug/ml	95
33) 4-Chloro-3-methylphenol	5.942	107	217474	21.53 ug/ml	98
34) 2-Methylnaphthalene	6.018	141	223941	10.03 ug/ml	97
36) Hexachlorocyclopentadiene	6.180	237	72037	9.32 ug/ml	97
37) 2,4,6-Trichlorophenol	6.319	196	174641	20.84 ug/ml	98
38) 2,4,5-Trichlorophenol	6.363	196	206857	21.96 ug/ml	99
40) 2-Chloronaphthalene	6.493	162	247127	9.84 ug/ml	99
41) 2-Nitroaniline	6.614	138	105852	10.88 ug/ml	97
42) 2,6-Dinitrotoluene	6.863	165	71838	10.87 ug/ml	92
43) Dimethyl Phthalate	6.815	163	311554	10.13 ug/ml	99
44) Acenaphthylene	6.888	152	390882	10.35 ug/ml	99
45) 3-Nitroaniline	7.019	138	59975	10.74 ug/ml#	83
46) Acenaphthene	7.057	153	247730	10.34 ug/ml	100
47) 2,4-dinitrophenol	7.130	184	57481	24.15 ug/ml	98
48) Dibenzofuran	7.227	168	413378	11.07 ug/ml#	52
49) 4-Nitrophenol	7.242	109	68019	19.53 ug/ml	93
50) 2,4-Dinitrotoluene	7.251	165	91140	10.85 ug/ml#	84
51) 2,3,4,6-Tetrachlorophenol	7.368	232	164275	22.10 ug/ml	99
52) Fluorene	7.557	166	304471	10.74 ug/ml	100
53) Diethyl Phthalate	7.504	149	304700	10.53 ug/ml	100
54) 4-Chlorophenyl phenyl ...	7.581	204	152831	10.35 ug/ml	97
55) 4-Nitroaniline	7.611	138	47987m	11.08 ug/ml	
56) 4,6-Dinitro-2-methylph...	7.645	198	105193	23.70 ug/ml	100
57) n-nitrosodiphenylamine	7.703	169	220663	10.63 ug/ml	98
58) Azobenzene	7.732	77	258437	10.50 ug/ml	99
59) Biphenyl	6.489	154	307139	9.90 ug/ml	99
62) 4-bromophenyl phenyl e...	8.047	248	97525	10.28 ug/ml	98
63) Hexachlorobenzene	8.083	284	100856	10.44 ug/ml	99
64) Pentachlorophenol	8.294	266	117268	19.60 ug/ml	86
65) Phenanthrene	8.479	178	415074	10.12 ug/ml	100
66) Anthracene	8.524	178	439067	10.36 ug/ml	100
67) Carbazole	8.699	167	276593	11.14 ug/ml	99
68) Di-n-butyl phthalate	9.087	149	524314	10.47 ug/ml	100
69) Fluoranthene	9.616	202	482091	10.43 ug/ml	99
70) Benzidine	9.789	184	79265	11.16 ug/ml	98
72) Pyrene	9.825	202	492987	10.18 ug/ml	99
74) Butyl benzyl phthalate	10.520	149	233888	10.44 ug/ml	99
75) Benzo[a]anthracene	10.985	228	396476	10.06 ug/ml	99

59270

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:43:42 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.022	228	405069	9.69 ug/ml	98
77) 3,3'-Dichlorobenzidine	10.996	252	106210	12.33 ug/ml#	96
78) Bis (2-ethylhexyl) pht...	11.098	149	300033	10.53 ug/ml	99
80) di-n-octyl-phthalate	11.751	149	510652	10.59 ug/ml	99
81) Benzo[b] fluoranthene	12.053	252	387980	10.85 ug/ml	98
82) Benzo[k] fluoranthene	12.082	252	375906	8.87 ug/ml	99
83) Benzo[a] pyrene	12.392	252	389882	10.67 ug/ml	98
84) Indeno [1,2,3-cd] pyrene	13.625	276	312217m	11.70 ug/ml	
85) Dibenz [a,h] anthracene	13.661	278	324181	11.44 ug/ml	98
86) Benzo(g,h,i) perylene	13.917	276	346670	11.02 ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

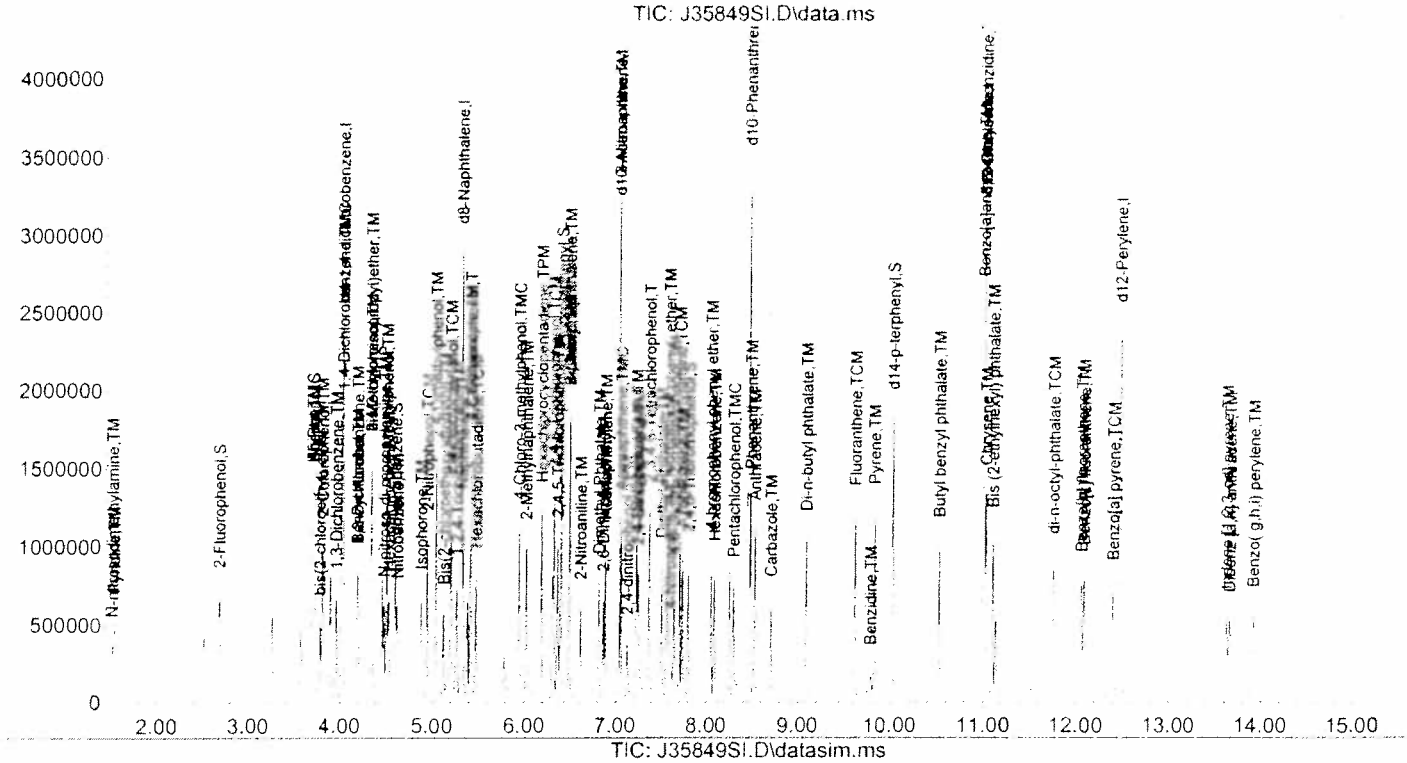
91210

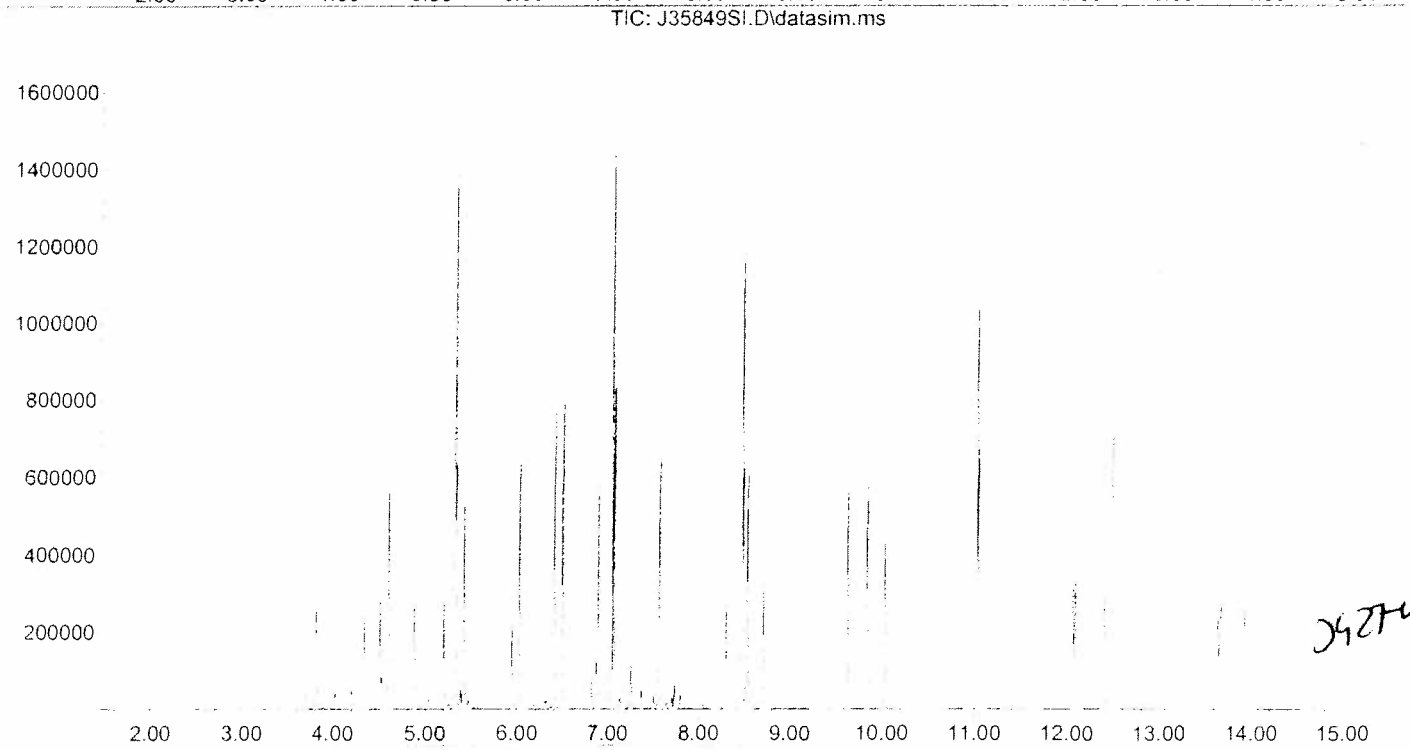
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:43:42 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

9/23/10





JGZHW

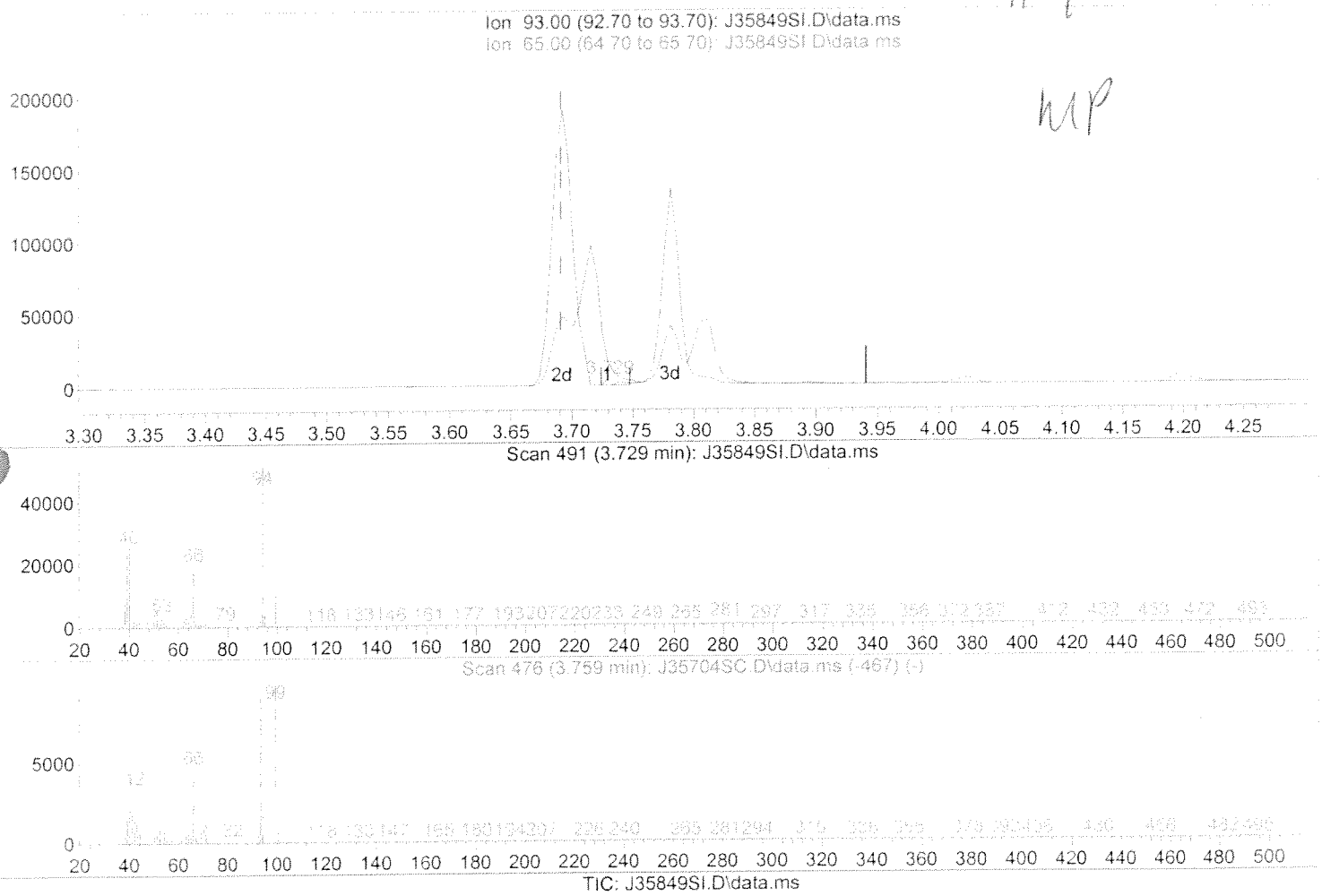
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

9/23/10

MP



(6) Aniline (TM)

3.729min (+0.038) 0.12ug/ml

response 2766

Ion	Exp%	Act%
93.00	100	100
65.00	73.30	5960.34#
0.00	0.00	0.00
0.00	0.00	0.00

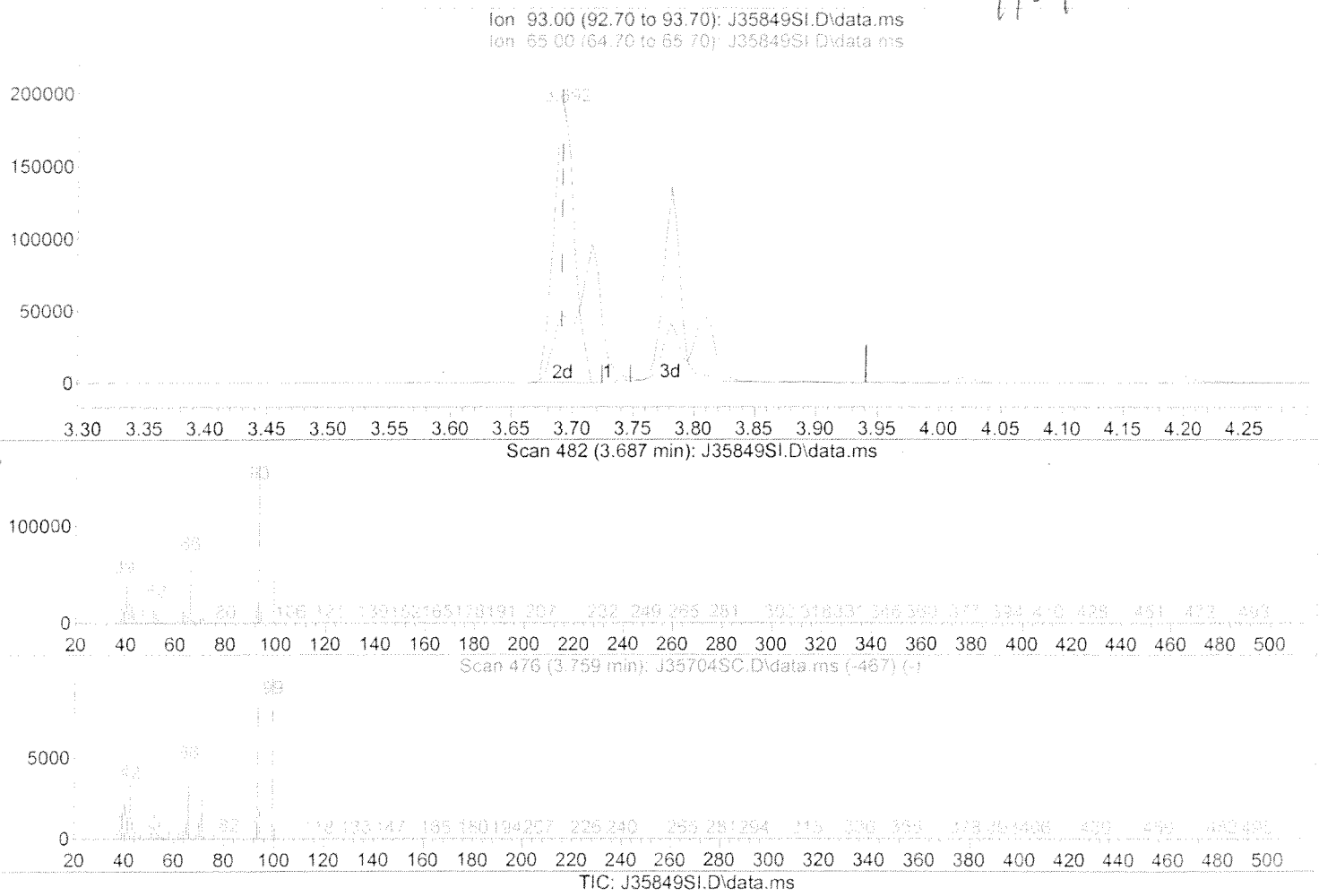
35270

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

ON 9/23/10



(6) Aniline (TM)

3.692min (+0.001) 10.22ug/ml m

response 226183

Ion	Exp%	Act%
93.00	100	100
65.00	73.30	72.89
0.00	0.00	0.00
0.00	0.00	0.00

042710

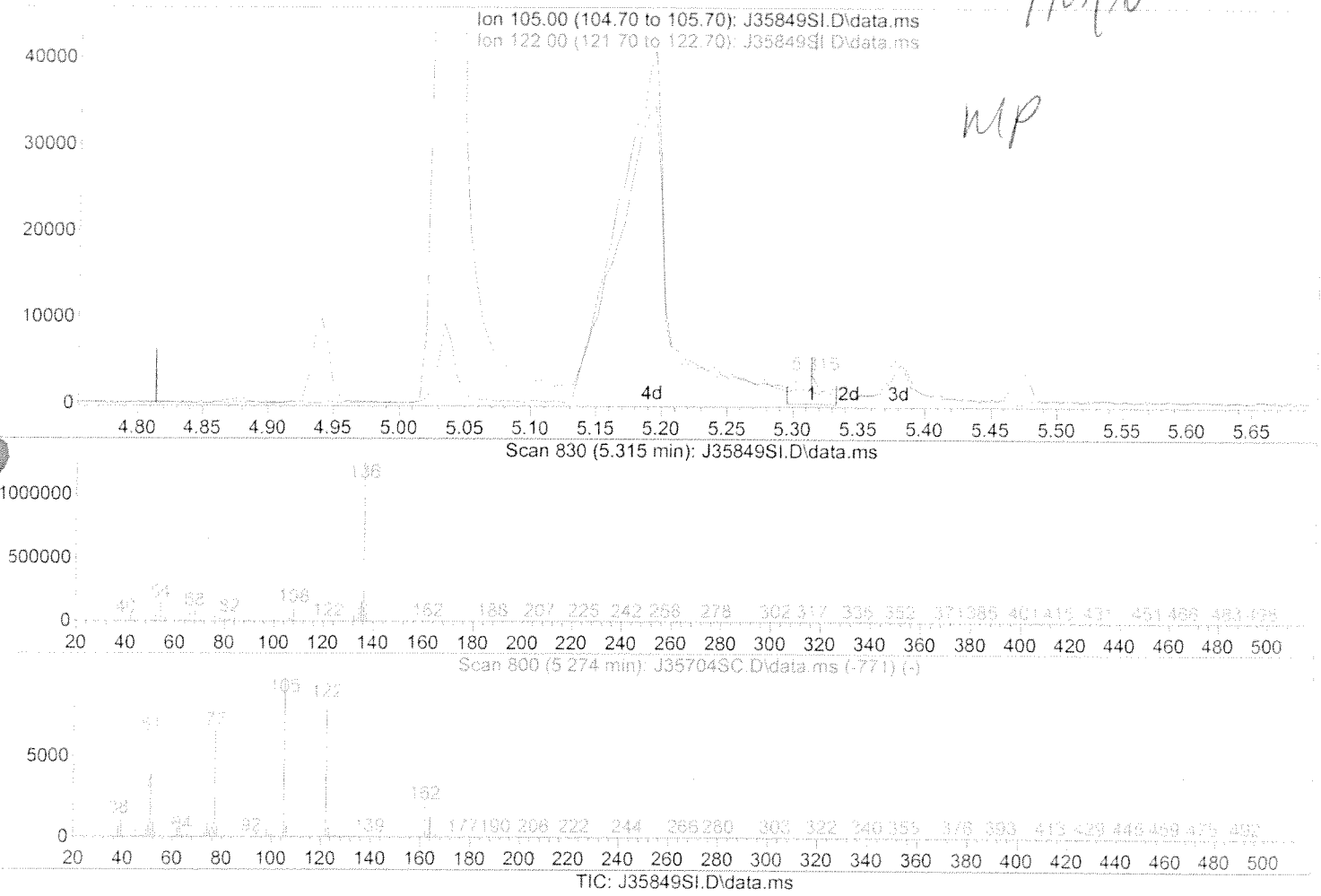
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

MN
9/23/10

MP



(27) Benzoic Acid (TM)

5.315min (-0.000) 8.65ug/ml

response 4657

Ion	Exp%	Act%
105.00	100	100
122.00	3.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

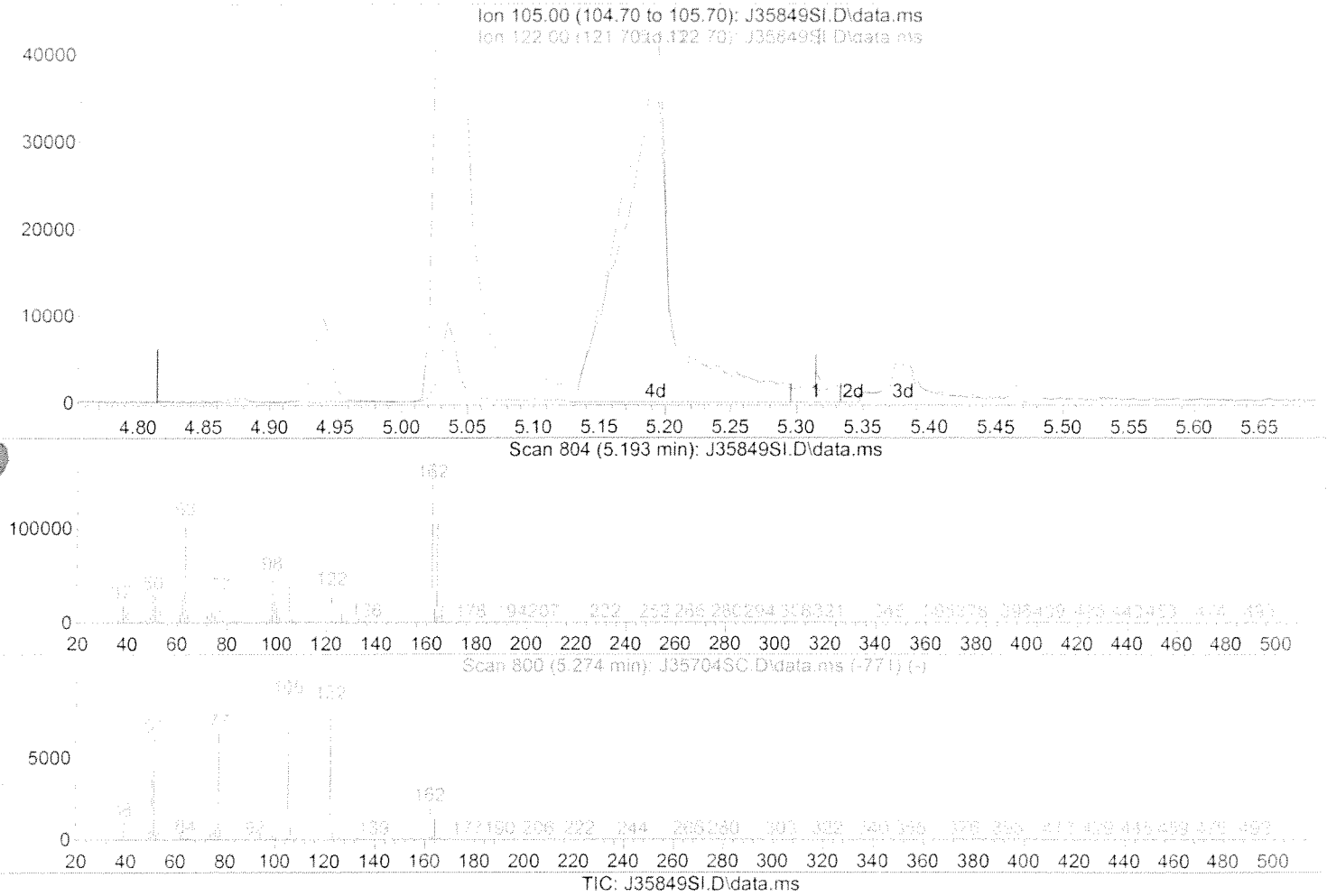
SC700

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

9/23/10



(27) Benzoic Acid (TM)

5.193min (-0.122) 21.48ug/ml m

response 118567

Ion	Exp%	Act%
105.00	100	100
122.00	3.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

JG270

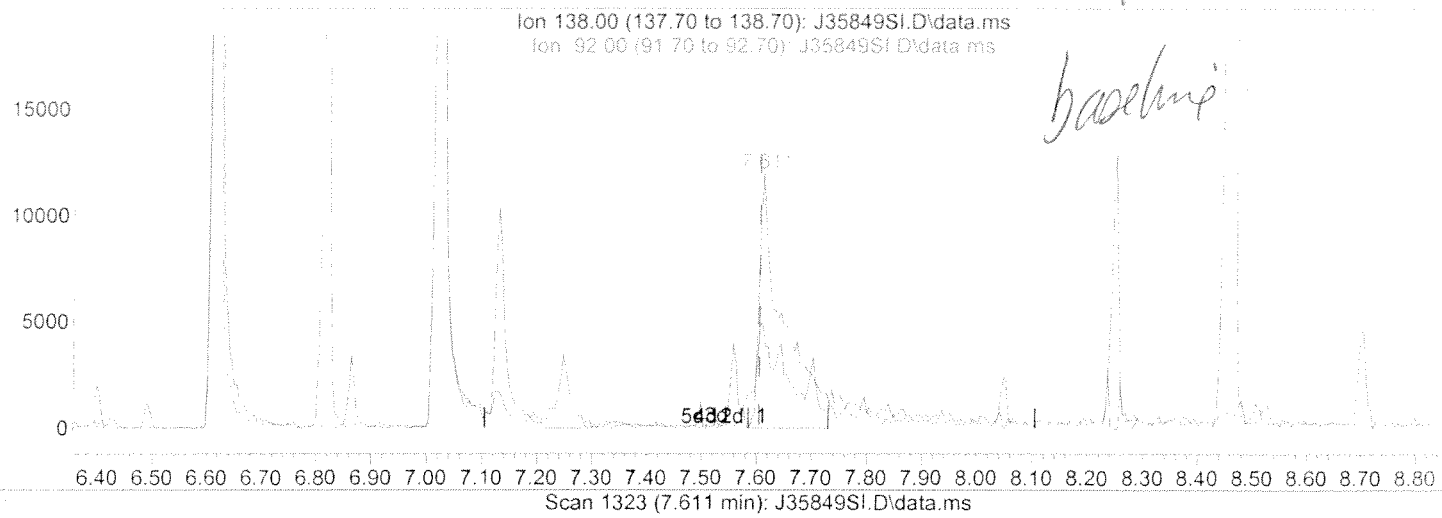
Quantitation Report (Qedit)

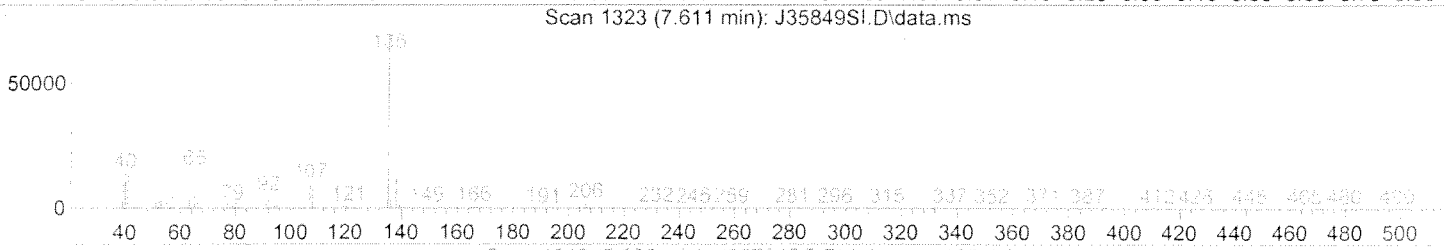
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

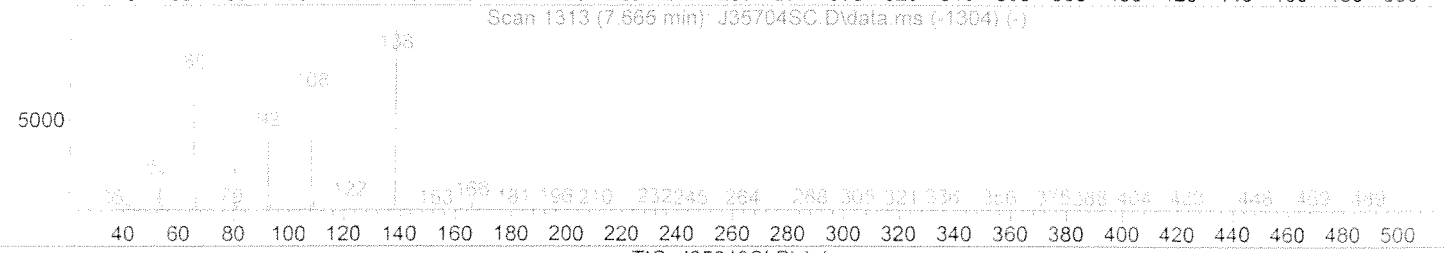
Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

9/23/10

baseline







TIC: J35849SI.D\data.ms

(55) 4-Nitroaniline (TM)

7.611min (+0.005) 9.04ug/ml

response 36570

Ion	Exp%	Act%
138.00	100	100
92.00	52.60	25.82#
0.00	0.00	0.00
0.00	0.00	0.00

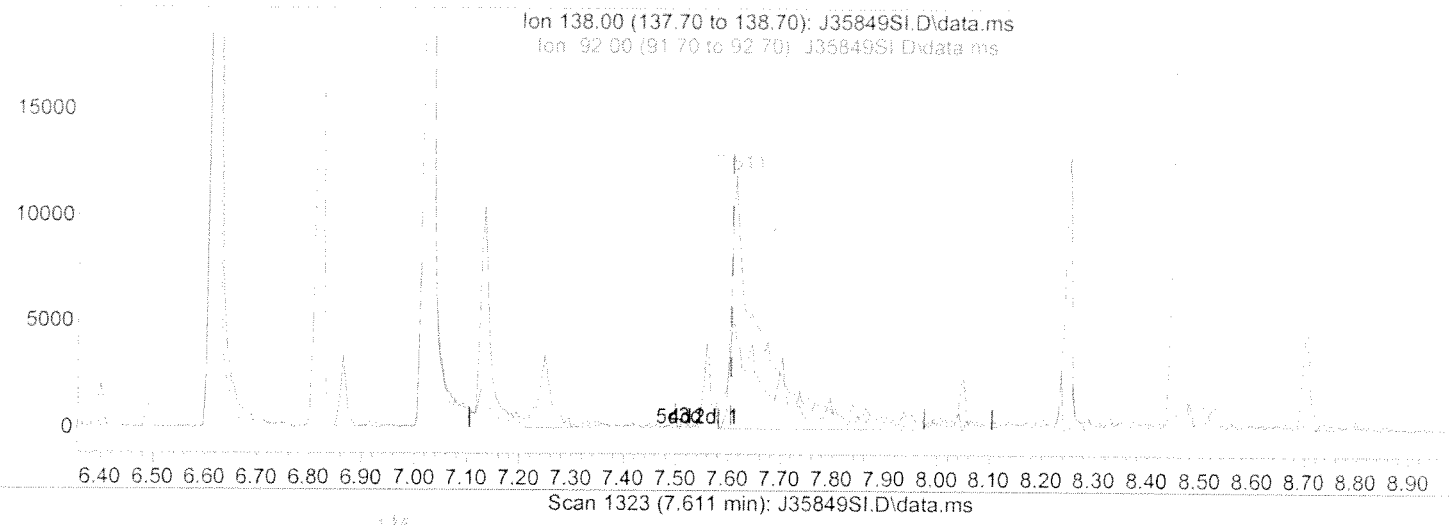
SPW

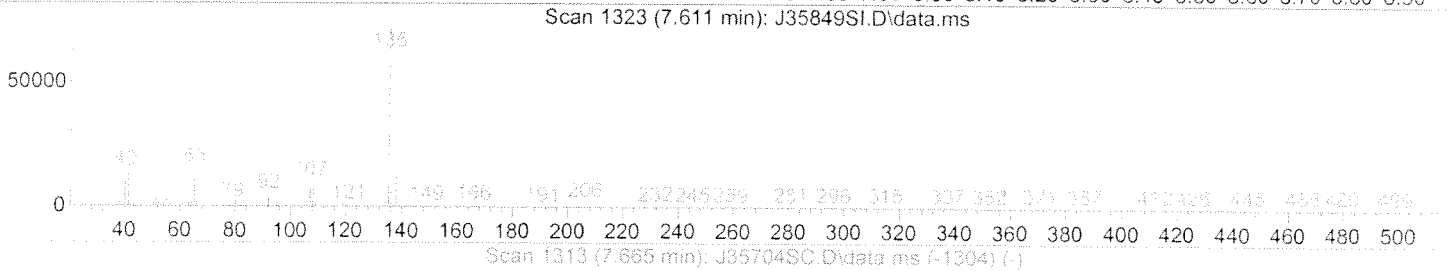
Quantitation Report (Qedit)

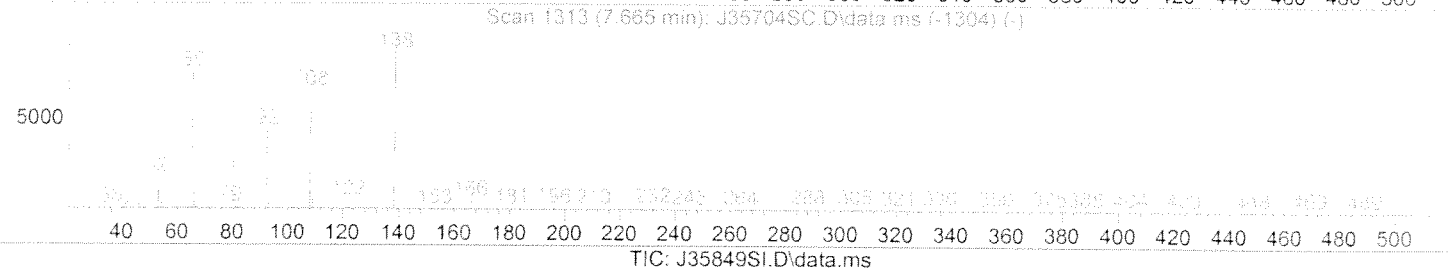
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

9/23/10







(55) 4-Nitroaniline (TM)

7.611min (+0.005) 11.08ug/ml m

response 47987

Ion	Exp%	Act%
138.00	100	100
92.00	52.60	19.68#
0.00	0.00	0.00
0.00	0.00	0.00

392ng

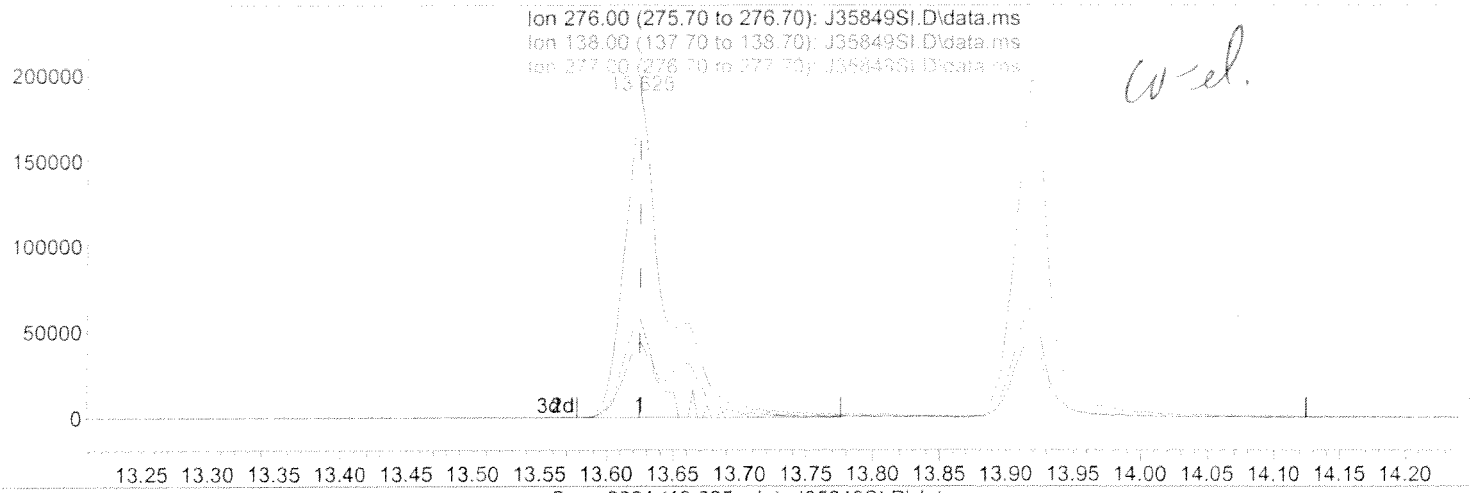
Quantitation Report (Qedit)

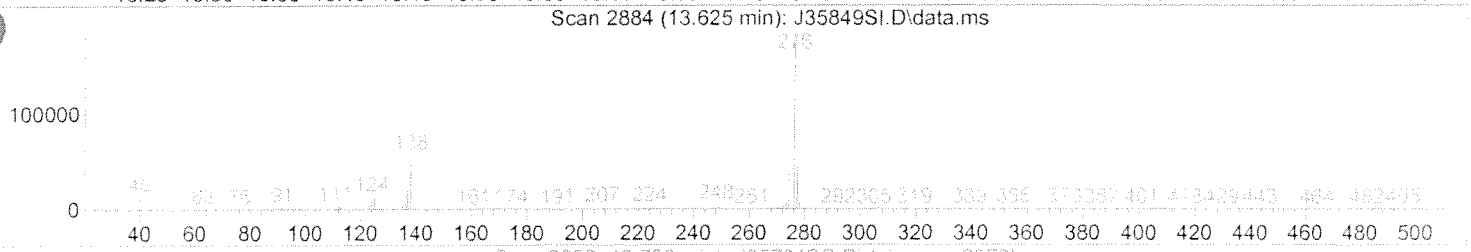
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

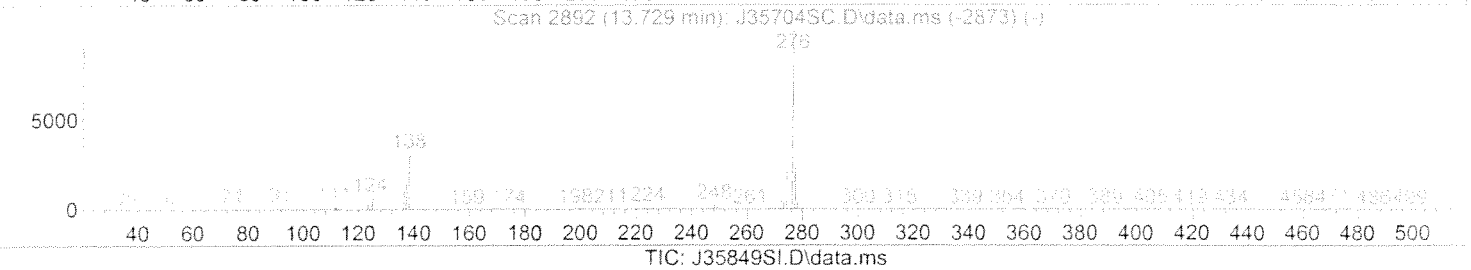
Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

MN 9/07/10

w-el.







(84) Indeno [1,2,3-cd] pyrene (TM)

13.625min (-0.000) 14.67ug/ml

response 405890

Ion	Exp%	Act%
276.00	100	100
138.00	32.90	22.49#
277.00	26.20	19.03#
0.00	0.00	0.00

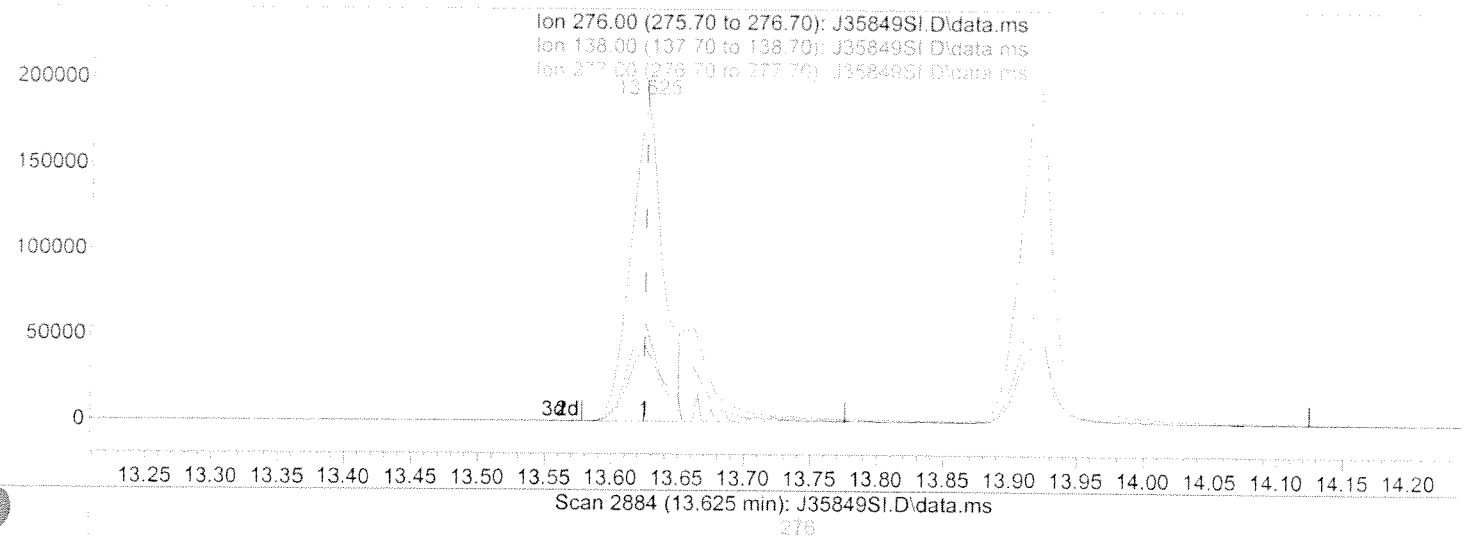
JZ 2/10

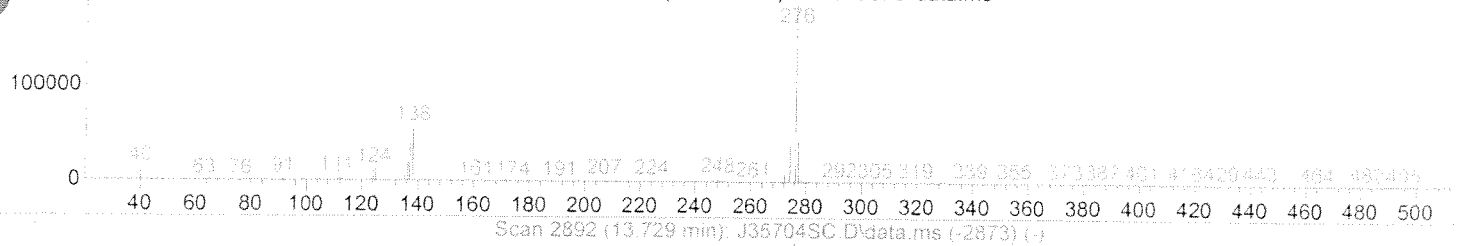
Quantitation Report (Qedit)

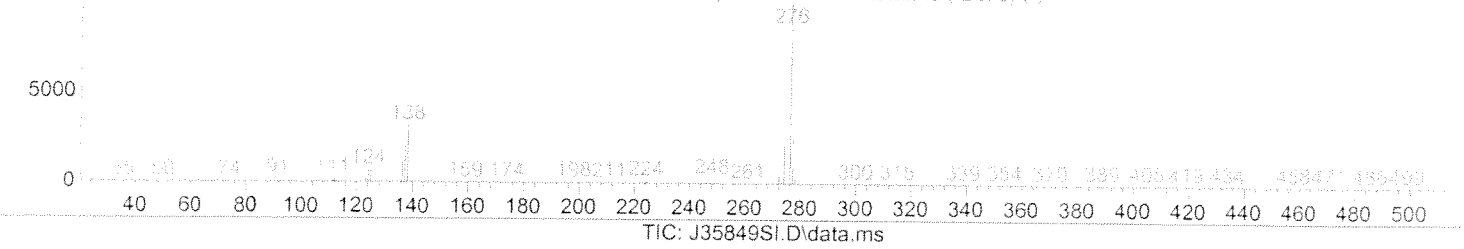
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 18 04:40:48 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:40:43 2010
Response via : Initial Calibration

9/23/10







(84) Indeno [1,2,3-cd] pyrene (TM)

13.625min (-0.000) 11.70ug/ml m

response 312217

Ion	Exp%	Act%
276.00	100	100
138.00	32.90	29.23
277.00	26.20	24.74
0.00	0.00	0.00

SGOW

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:45:58 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

MV 9/28/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.024	152	460445	40.00	ug/ml	0.00
19) d8-Naphthalene	5.315	136	1393266	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.033	164	783890	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.460	188	1380967	40.00	ug/ml	0.00
71) d12-Chrysene	11.007	240	1380454	40.00	ug/ml	0.00
79) d12-Perylene	12.468	264	1273609	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.682	112	555346	40.64	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 54.19%			
5) d5-Phenol	3.711	99	648551	40.57	ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 54.09%			
20) d5-nitrobenzene	4.604	82	480903	39.83	ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 79.66%			
39) 2-Fluorobiphenyl	6.404	172	1042627	37.95	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 75.90%			
60) 2,4,6-Tribromophenol	7.800	330	174783	42.33	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 56.44%			
73) d14-p-terphenyl	10.023	244	985871	36.09	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 72.18%			

Target Compounds						Qvalue
2) Pyridine	1.531	79	305200	19.59	ug/ml	98
3) N-nitrosodimethylamine	1.512	74	165751	20.03	ug/ml	99
6) Aniline	3.697	93	433521m	20.20	ug/ml	
7) Phenol	3.725	94	660670	41.11	ug/ml	90
8) 2-Chlorophenol	3.813	128	573293	40.24	ug/ml	99
9) bis(2-chloroethyl) ether	3.785	63	280575	19.80	ug/ml	98
10) 1,3-Dichlorobenzene	3.958	146	371558	20.23	ug/ml	100
11) 1,4-Dichlorobenzene	4.038	146	357674	20.11	ug/ml	98
12) 1,2-Dichlorobenzene	4.188	146	358970	20.83	ug/ml	99
13) Benzyl Alcohol	4.202	108	158537	17.29	ug/ml	96
14) 2-Methylphenol	4.342	108	477119	41.74	ug/ml	98
15) bis(2-chloroisopropyl)...	4.347	45	581821	17.97	ug/ml	99
16) 3+4-Methylphenol	4.510	108	476358	40.23	ug/ml	99
17) Hexachloroethane	4.529	117	124848	18.30	ug/ml	98
18) N-nitroso-di-n-propyla...	4.482	70	167132	22.96	ug/ml	99
21) Nitrobenzene	4.623	123	134017	20.86	ug/ml	97
22) Isophorone	4.885	82	447200	20.05	ug/ml	99
23) 2-Nitrophenol	4.945	139	330781	48.00	ug/ml	99
24) 2,4-Dimethylphenol	5.039	107	525175	41.37	ug/ml	99
25) Bis(2-chloroethoxy)met...	5.128	93	309527	20.91	ug/ml	98
26) 2,4-Dichlorophenol	5.203	162	487208	41.14	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:45:58 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

MN 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.240	105	270097	37.43 ug/ml#	100
28) 1,2,4-Trichlorobenzene	5.263	180	289151	19.69 ug/ml	99
29) Naphthalene	5.334	128	755379	20.23 ug/ml	100
30) 2,6-Dichlorophenol	5.422	162	434424	40.05 ug/ml	97
31) 4-Chloroaniline	5.418	127	332419	20.57 ug/ml	99
32) Hexachlorobutadiene	5.474	225	173137	19.83 ug/ml	100
33) 4-Chloro-3-methylphenol	5.947	107	434768	41.71 ug/ml	99
34) 2-Methylnaphthalene	6.023	141	460384	19.98 ug/ml	98
36) Hexachlorocyclopentadiene	6.184	237	159832	19.56 ug/ml	100
37) 2,4,6-Trichlorophenol	6.323	196	347302	41.54 ug/ml	99
38) 2,4,5-Trichlorophenol	6.363	196	402029	42.79 ug/ml	97
40) 2-Chloronaphthalene	6.493	162	471294	19.99 ug/ml	100
41) 2-Nitroaniline	6.619	138	218894	21.62 ug/ml	97
42) 2,6-Dinitrotoluene	6.868	165	144864	21.28 ug/ml	99
43) Dimethyl Phthalate	6.819	163	625654	20.39 ug/ml	99
44) Acenaphthylene	6.887	152	775858	20.59 ug/ml	100
45) 3-Nitroaniline	7.028	138	111025	19.92 ug/ml	95
46) Acenaphthene	7.062	153	480559	20.10 ug/ml	99
47) 2,4-dinitrophenol	7.135	184	143040	47.37 ug/ml	99
48) Dibenzofuran	7.232	168	786279	21.12 ug/ml	98
49) 4-Nitrophenol	7.246	109	139485	39.64 ug/ml	96
50) 2,4-Dinitrotoluene	7.256	165	174172	19.97 ug/ml	99
51) 2,3,4,6-Tetrachlorophenol	7.372	232	317112	42.76 ug/ml	100
52) Fluorene	7.562	166	563389	19.92 ug/ml	100
53) Diethyl Phthalate	7.513	149	585185	20.28 ug/ml	100
54) 4-Chlorophenyl phenyl ...	7.581	204	283611	20.20 ug/ml	100
55) 4-Nitroaniline	7.615	138	110889m	22.34 ug/ml	
56) 4,6-Dinitro-2-methylph...	7.649	198	220990	44.35 ug/ml	98
57) n-nitrosodiphenylamine	7.707	169	416973	20.15 ug/ml	99
58) Azobenzene	7.736	77	483629	19.70 ug/ml	98
59) Biphenyl	6.489	154	583857	20.35 ug/ml	99
62) 4-bromophenyl phenyl e...	8.051	248	185678	19.55 ug/ml	97
63) Hexachlorobenzene	8.087	284	191610	19.81 ug/ml	99
64) Pentachlorophenol	8.298	266	240803	40.19 ug/ml	99
65) Phenanthrene	8.483	178	793584	19.33 ug/ml	100
66) Anthracene	8.528	178	830930	19.58 ug/ml	99
67) Carbazole	8.704	167	481187	20.84 ug/ml	99
68) Di-n-butyl phthalate	9.091	149	985385	19.65 ug/ml	100
69) Fluoranthene	9.619	202	884645	19.10 ug/ml	100
70) Benzidine	9.788	184	181904	25.56 ug/ml	96
72) Pyrene	9.828	202	923401	19.82 ug/ml	100
74) Butyl benzyl phthalate	10.523	149	449754	20.86 ug/ml	100
75) Benzo[a]anthracene	10.988	228	764708	20.17 ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:45:58 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

PN 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.026	228	771156	19.18 ug/ml	100
77) 3,3'-Dichlorobenzidine	10.996	252	194571	23.48 ug/ml	99
78) Bis (2-ethylhexyl) pht...	11.101	149	572021	20.87 ug/ml	99
80) di-n-octyl-phthalate	11.750	149	986594	19.79 ug/ml	100
81) Benzo[b] fluoranthene	12.060	252	716456	20.09 ug/ml	99
82) Benzo[k] fluoranthene	12.089	252	754661	18.89 ug/ml	99
83) Benzo[a] pyrene	12.396	252	741615	20.36 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	13.632	276	609792m	21.23 ug/ml	
85) Dibenz [a,h] anthracene	13.668	278	621406	20.66 ug/ml	100
86) Benzo(g,h,i) perylene	13.927	276	653829	20.84 ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

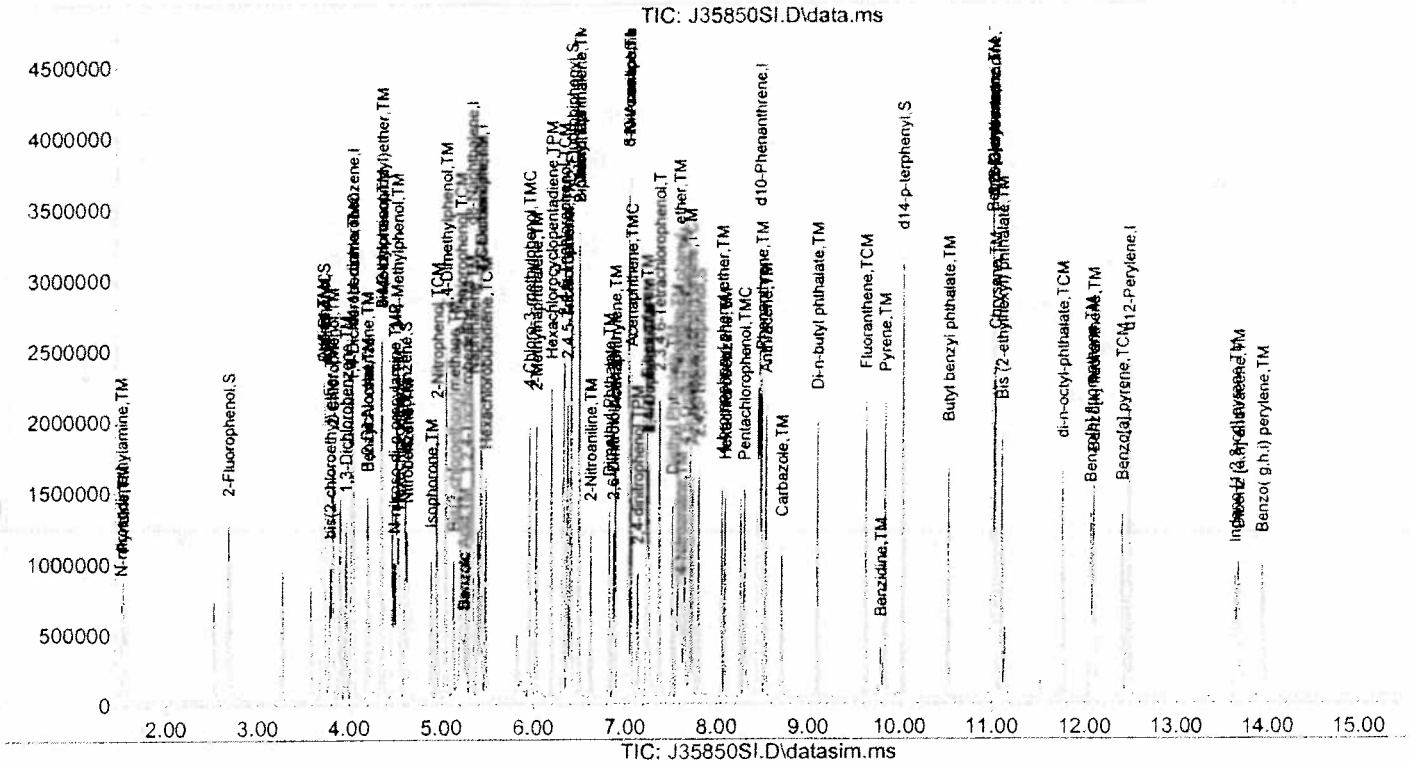
SRZW

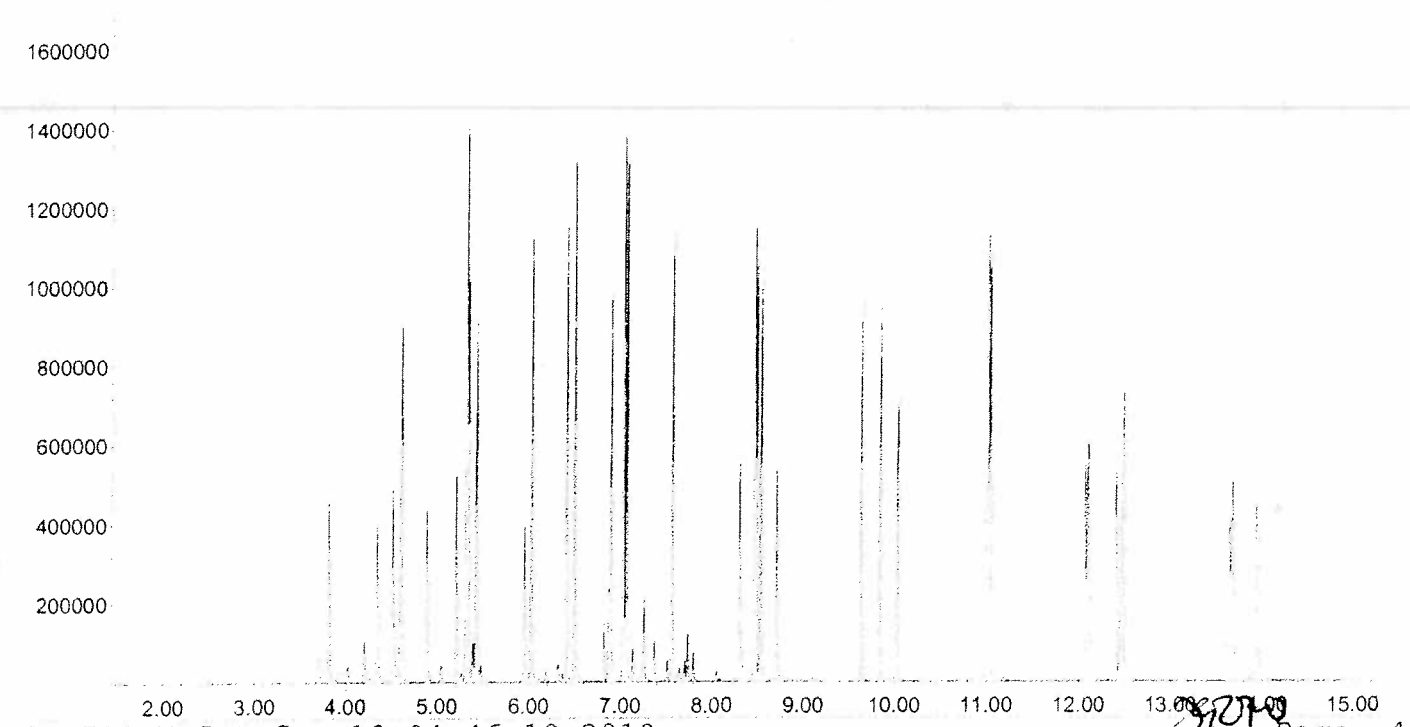
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:45:58 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

9/23/10



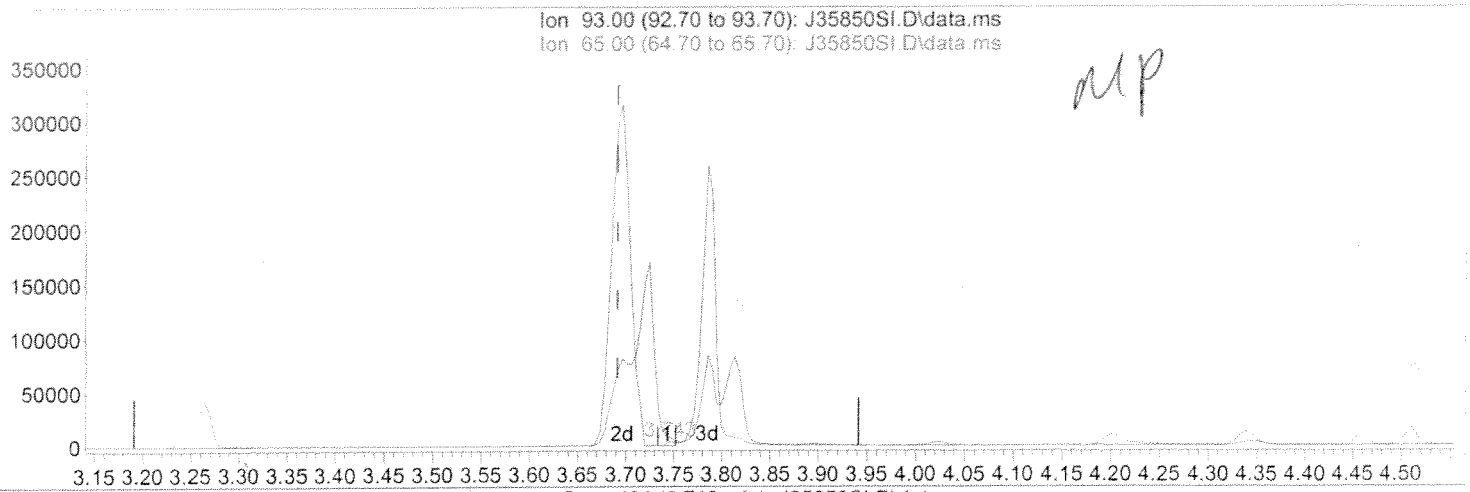


Quantitation Report (Qedit)

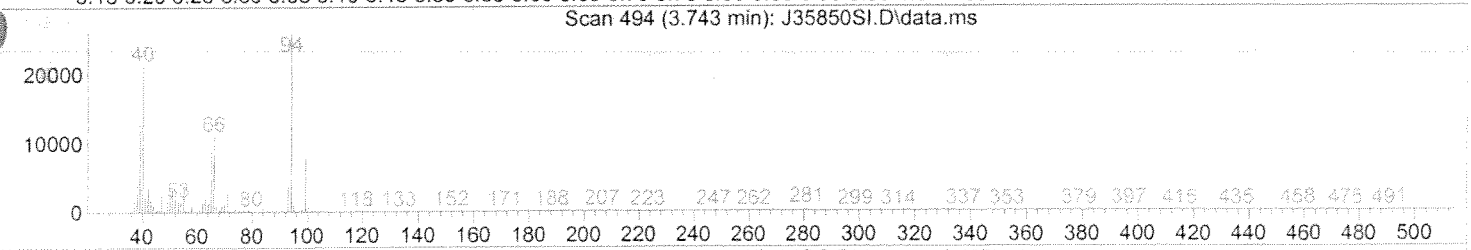
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

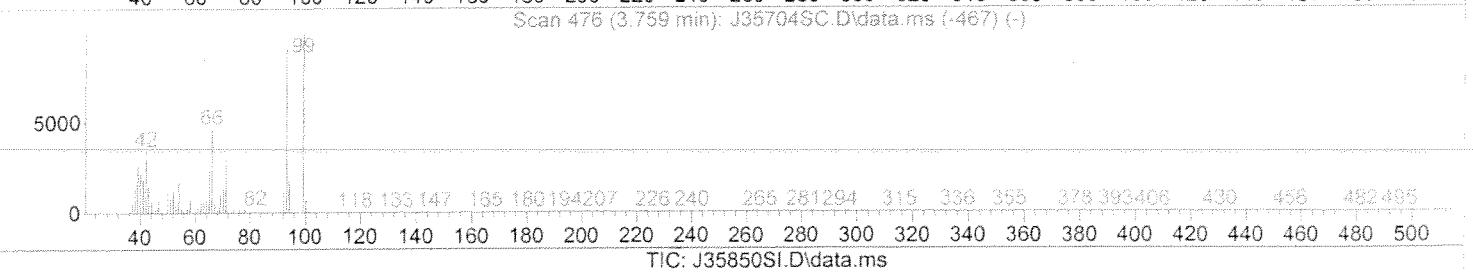
Quant Time: Sep 18 04:44:08 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

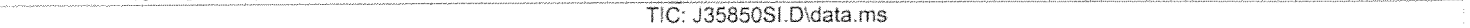
MN
9/23/10



MP







5927W

(6) Aniline (TM)

3.743min (+0.051) 0.13ug/ml

response 2812

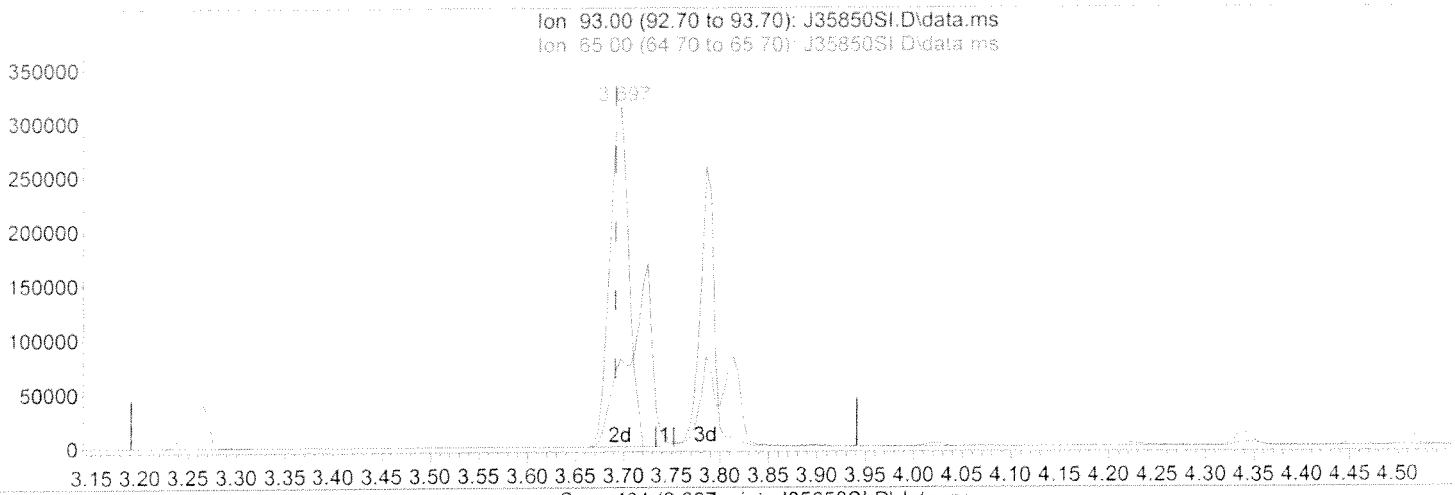
Ion	Exp%	Act%
93.00	100	100
65.00	72.90	10792.46#
0.00	0.00	0.00
0.00	0.00	0.00

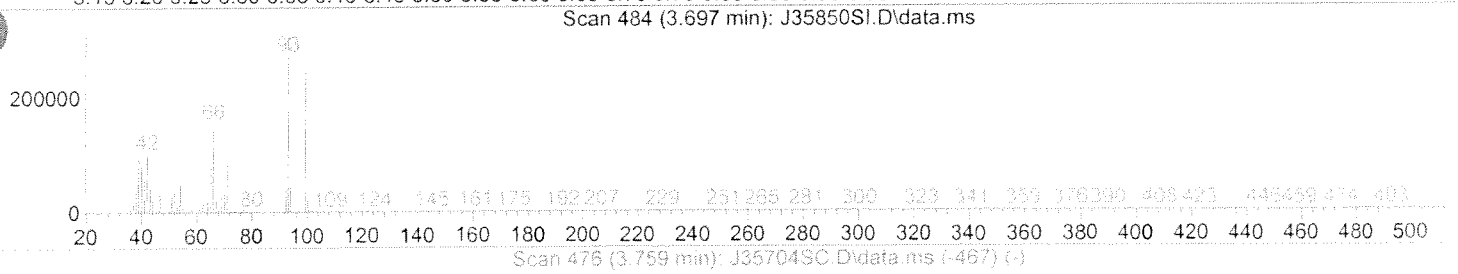
Quantitation Report (Qedit)

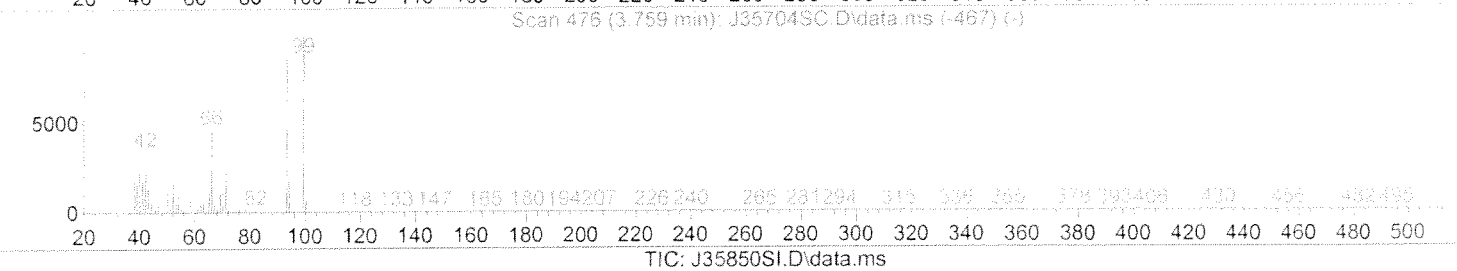
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:44:08 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

9/07/10







TIC: J35850SI.D\data.ms

592700

(6) Aniline (TM)

3.697min (+0.005) 20.20ug/ml m

response 433521

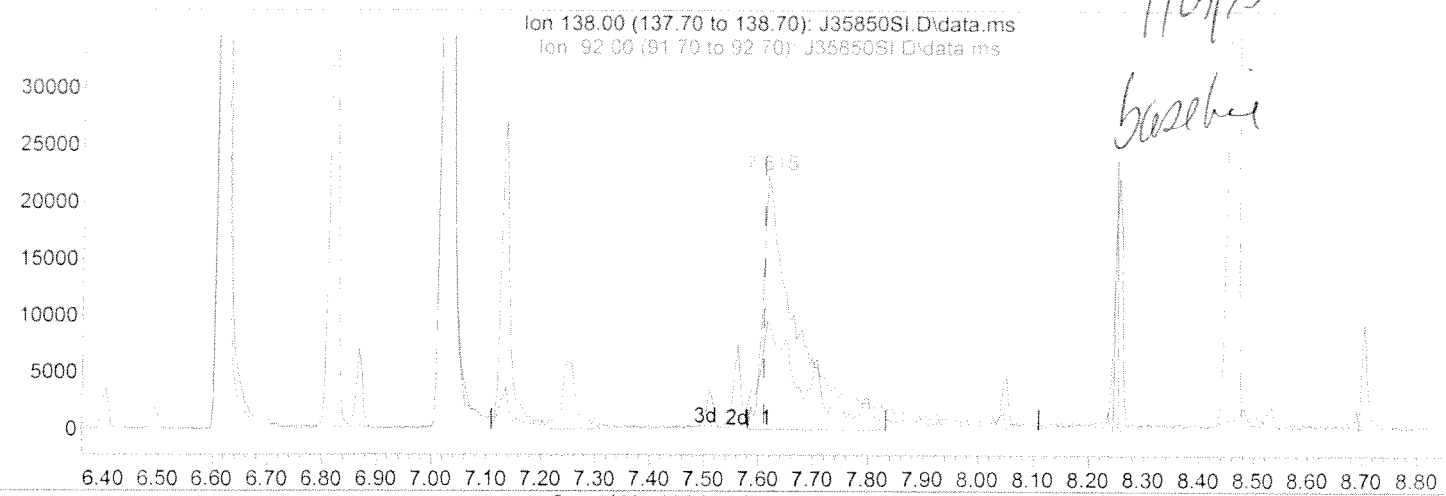
Ion	Exp%	Act%
93.00	100	100
65.00	72.90	70.00
0.00	0.00	0.00
0.00	0.00	0.00

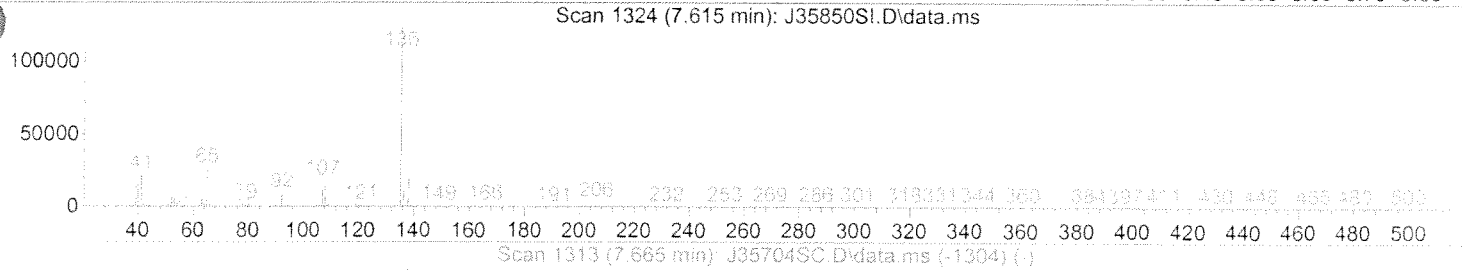
Quantitation Report (Qedit)

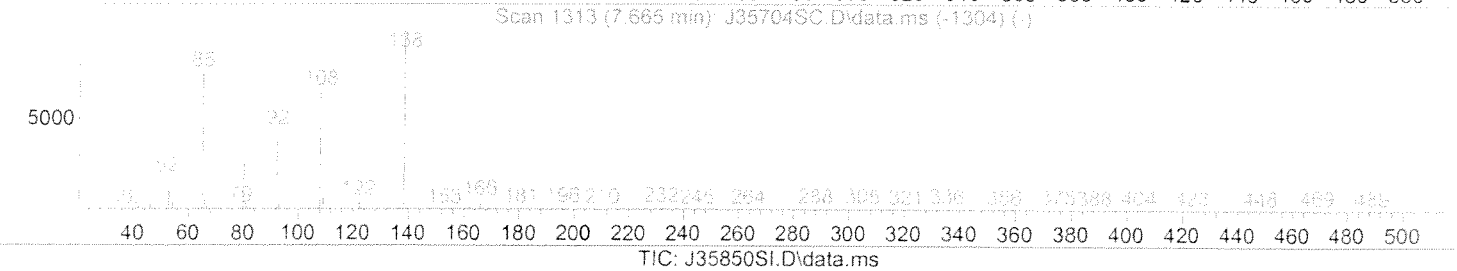
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:44:08 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

9/23/10
baseline







TIC: J35850SI.D\data.ms

(55) 4-Nitroaniline (TM)

7.615min (+0.005) 20.16ug/ml

response 98622

Ion	Exp%	Act%
138.00	100	100
92.00	19.70	35.79#
0.00	0.00	0.00
0.00	0.00	0.00

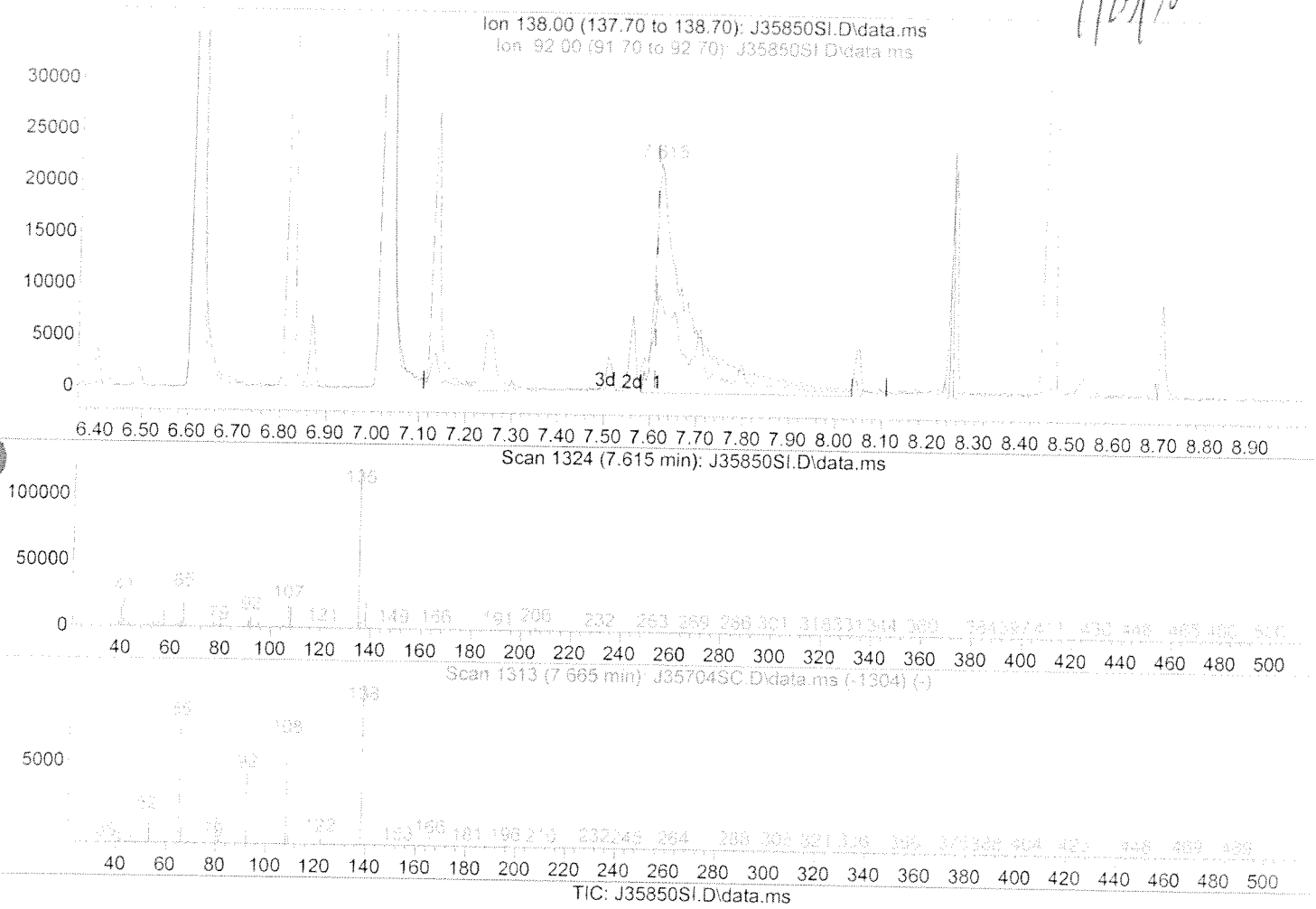
J9270

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:44:08 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

PN 9/23/10



(55) 4-Nitroaniline (TM)

7.615min (+0.005) 22.34ug/ml m

response 110889

Ion	Exp%	Act%
138.00	100	100
92.00	19.70	31.83#
0.00	0.00	0.00
0.00	0.00	0.00

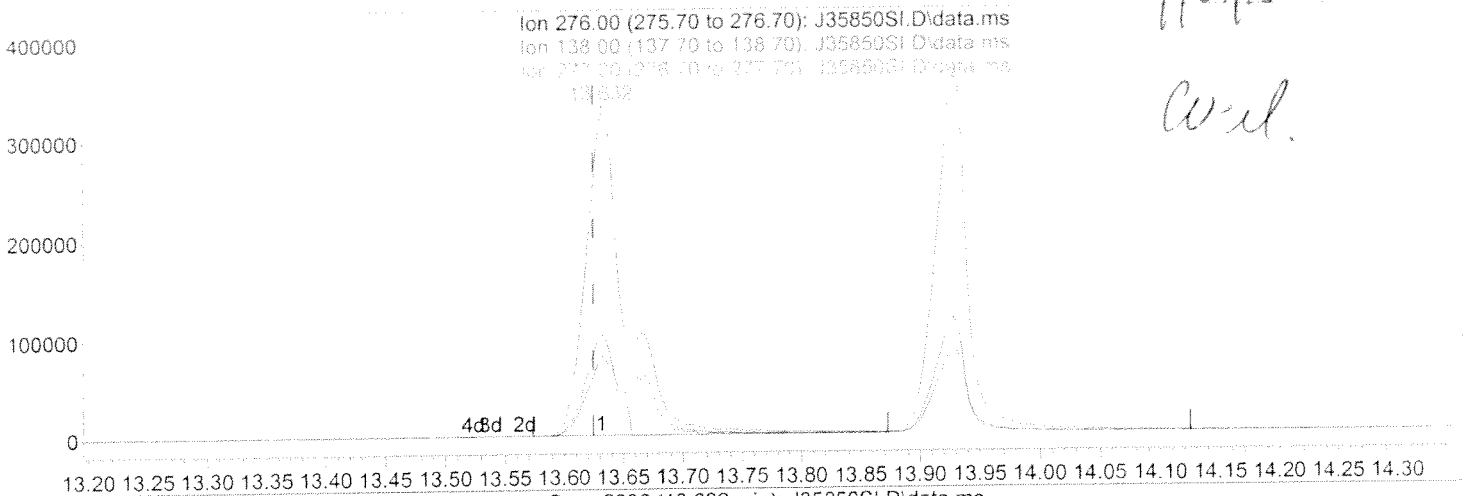
JGZW

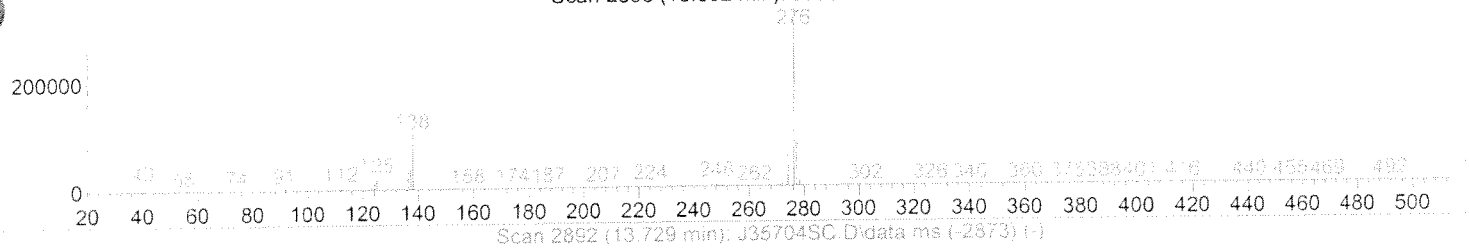
Quantitation Report (Qedit)

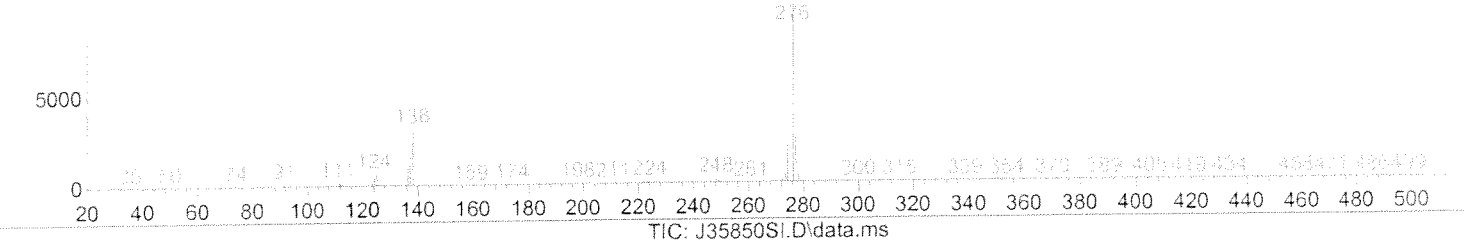
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:44:08 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

PN
9/23/10
CW-el.







(84) Indeno [1,2,3-cd] pyrene (TM)

13.632min (+0.007) 26.86ug/ml

response 784060

Ion	Exp%	Act%
276.00	100	100
138.00	29.20	22.73#
277.00	24.70	18.36#
0.00	0.00	0.00

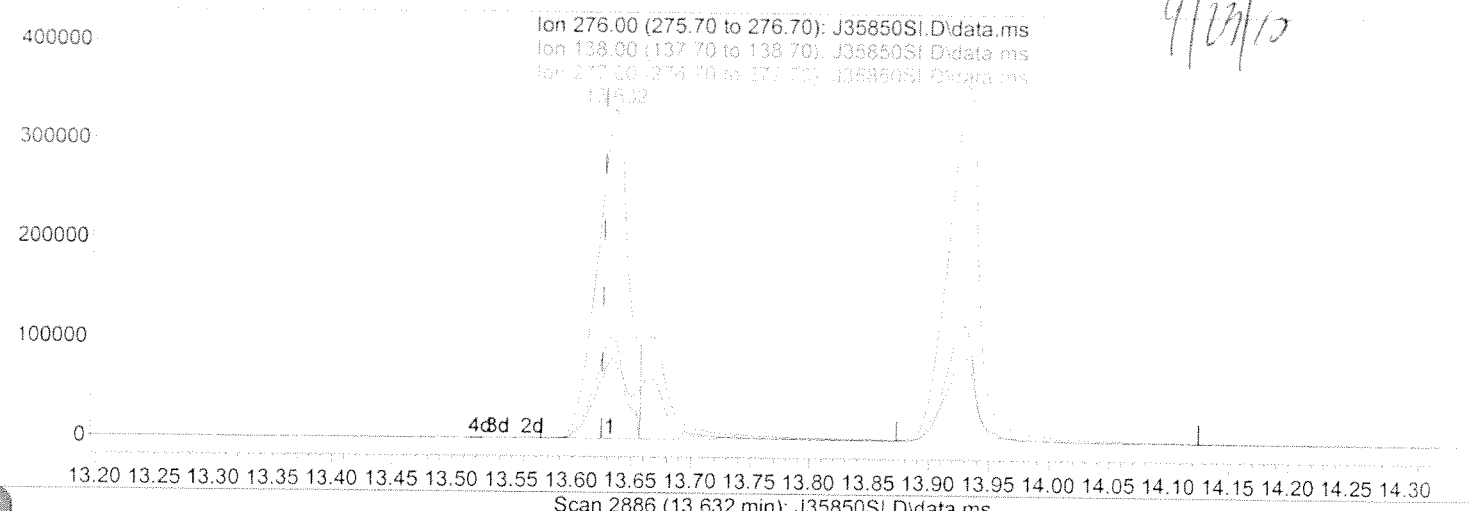
>9270

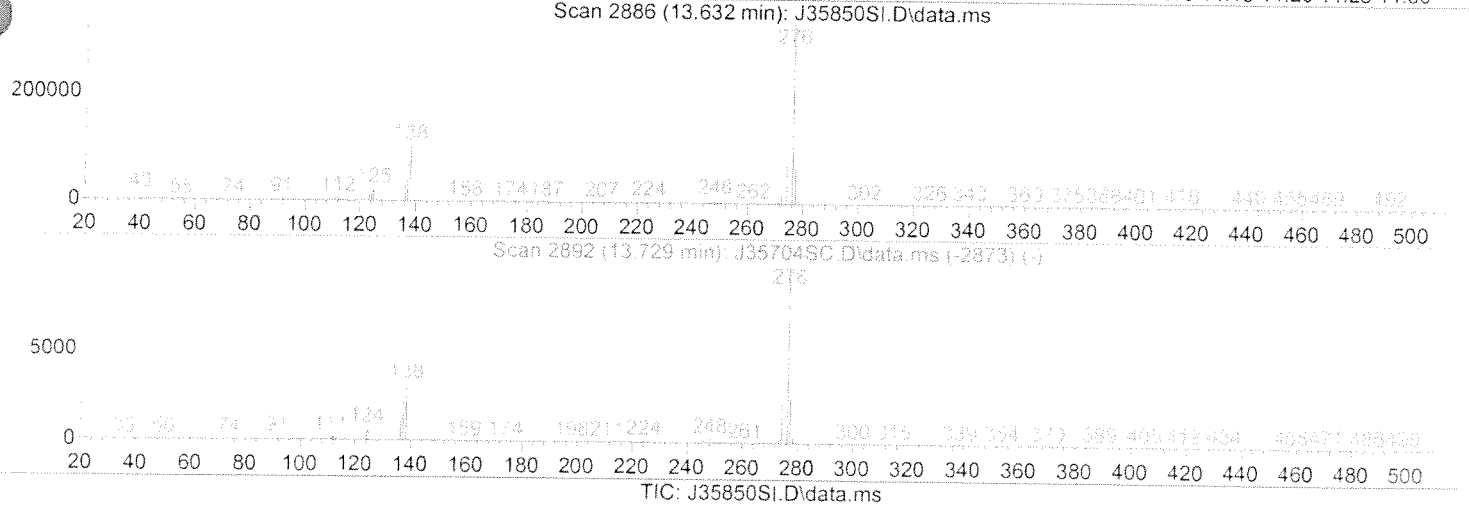
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 18 04:44:08 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:43:59 2010
Response via : Initial Calibration

PW 9/28/10





(84) Indeno [1,2,3-cd] pyrene (TM)

13.632min (+0.007) 21.23ug/ml m

response 609792

392700

ion	Exp%	Act%
276.00	100	100
138.00	29.20	29.23
277.00	24.70	23.61
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:48:38 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

9/29/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.029	152	491868	40.00 ug/ml	0.00
19) d8-Naphthalene	5.320	136	1488181	40.00 ug/ml	0.00
35) d10-Acenaphthene	7.033	164	853400	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.465	188	1445562	40.00 ug/ml	0.00
71) d12-Chrysene	11.011	240	1407899	40.00 ug/ml	0.00
79) d12-Perylene	12.471	264	1318165	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	2.691	112	1172999	80.36 ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 107.15%		
5) d5-Phenol	3.729	99	1306700	76.51 ug/ml	0.02
Spiked Amount 75.000	Range 15 - 110		Recovery = 102.01%		
20) d5-nitrobenzene	4.618	82	972257	75.40 ug/ml	0.01
Spiked Amount 50.000	Range 40 - 110		Recovery = 150.80%#		
39) 2-Fluorobiphenyl	6.413	172	2003327	71.97 ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 143.94%#		
60) 2,4,6-Tribromophenol	7.809	330	374217	83.26 ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 111.01%#		
73) d14-p-terphenyl	10.030	244	1952208	70.08 ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 140.16%#		

Target Compounds					Qvalue
2) Pyridine	1.536	79	655175	39.37 ug/ml	99
3) N-nitrosodimethylamine	1.522	74	363669	41.14 ug/ml	95
6) Aniline	3.706	93	883164	38.52 ug/ml#	56
7) Phenol	3.743	94	1328997	77.40 ug/ml	95
8) 2-Chlorophenol	3.828	128	1166769	76.66 ug/ml	97
9) bis(2-chloroethyl) ether	3.800	63	612044	40.42 ug/ml	96
10) 1,3-Dichlorobenzene	3.963	146	774695	39.49 ug/ml	100
11) 1,4-Dichlorobenzene	4.043	146	733977	38.63 ug/ml	98
12) 1,2-Dichlorobenzene	4.192	146	747831	40.62 ug/ml	98
13) Benzyl Alcohol	4.216	108	351113	35.86 ug/ml	97
14) 2-Methylphenol	4.351	108	911990	74.68 ug/ml	99
15) bis(2-chloroisopropyl)...	4.356	45	1065530	33.15 ug/ml	97
16) 3+4-Methylphenol	4.529	108	864033	68.32 ug/ml	98
17) Hexachloroethane	4.534	117	219995	32.01 ug/ml	98
18) N-nitroso-di-n-propyla...	4.506	70	334255m	42.99 ug/ml	
21) Nitrobenzene	4.632	123	275000	40.08 ug/ml	87
22) Isophorone	4.908	82	949036	39.83 ug/ml	98
23) 2-Nitrophenol	4.955	139	660868	89.78 ug/ml	97
24) 2,4-Dimethylphenol	5.053	107	1052550	77.62 ug/ml	99
25) Bis(2-chloroethoxy)met...	5.137	93	640449	40.51 ug/ml	99
26) 2,4-Dichlorophenol	5.212	162	960526	75.93 ug/ml	95

092710

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:48:38 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

PN 9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.301	105	680304m	76.31 ug/ml	
28) 1,2,4-Trichlorobenzene	5.268	180	591062	37.69 ug/ml	100
29) Naphthalene	5.338	128	1533733	38.45 ug/ml	100
30) 2,6-Dichlorophenol	5.432	162	868163	74.94 ug/ml	97
31) 4-Chloroaniline	5.432	127	615207	38.25 ug/ml	94
32) Hexachlorobutadiene	5.479	225	349341	37.45 ug/ml	98
33) 4-Chloro-3-methylphenol	5.960	107	860690	77.30 ug/ml	99
34) 2-Methylnaphthalene	6.027	141	901743	36.63 ug/ml	99
36) Hexachlorocyclopentadiene	6.184	237	347433	39.44 ug/ml	99
37) 2,4,6-Trichlorophenol	6.332	196	693228	76.17 ug/ml	99
38) 2,4,5-Trichlorophenol	6.377	196	800542	78.27 ug/ml	99
40) 2-Chloronaphthalene	6.502	162	916884	38.37 ug/ml	99
41) 2-Nitroaniline	6.628	138	462328	41.85 ug/ml	99
42) 2,6-Dinitrotoluene	6.878	165	278764	38.22 ug/ml	99
43) Dimethyl Phthalate	6.834	163	1235481	36.99 ug/ml	99
44) Acenaphthylene	6.892	152	1528972	37.28 ug/ml	100
45) 3-Nitroaniline	7.043	138	230030	37.92 ug/ml	98
46) Acenaphthene	7.067	153	980166	37.66 ug/ml	99
47) 2,4-dinitrophenol	7.144	184	361708	97.05 ug/ml	96
48) Dibenzofuran	7.237	168	1573453	38.81 ug/ml#	68
49) 4-Nitrophenol	7.266	109	286343	76.63 ug/ml	96
50) 2,4-Dinitrotoluene	7.266	165	344879	36.85 ug/ml	99
51) 2,3,4,6-Tetrachlorophenol	7.377	232	656400	81.31 ug/ml	98
52) Fluorene	7.567	166	1128611	36.66 ug/ml	100
53) Diethyl Phthalate	7.523	149	1136047	36.15 ug/ml	100
54) 4-Chlorophenyl phenyl ...	7.586	204	578982	41.23 ug/ml	98
55) 4-Nitroaniline	7.635	138	274875m	47.24 ug/ml	
56) 4,6-Dinitro-2-methylph...	7.664	198	494510	87.85 ug/ml	97
57) n-nitrosodiphenylamine	7.717	169	817489	36.28 ug/ml	98
58) Azobenzene	7.741	77	1039925	38.91 ug/ml	93
59) Biphenyl	6.498	154	1081190	37.69 ug/ml	100
62) 4-bromophenyl phenyl e...	8.055	248	375184	37.73 ug/ml	99
63) Hexachlorobenzene	8.091	284	406152	40.11 ug/ml	96
64) Pentachlorophenol	8.303	266	514025	81.96 ug/ml	98
65) Phenanthrene	8.488	178	1614276	37.55 ug/ml	99
66) Anthracene	8.537	178	1622091	36.51 ug/ml	100
67) Carbazole	8.708	167	952095	40.55 ug/ml	100
68) Di-n-butyl phthalate	9.091	149	1959630	37.32 ug/ml	100
69) Fluoranthene	9.623	202	1725296	35.59 ug/ml	100
70) Benzidine	9.792	184	376721	50.57 ug/ml	99
72) Pyrene	9.835	202	1799525	37.87 ug/ml	99
74) Butyl benzyl phthalate	10.527	149	896726	40.79 ug/ml	99
75) Benzo[a]anthracene	10.996	228	1529868	39.57 ug/ml	100

392720

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:48:38 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

9/27/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.033	228	1555072	37.93 ug/ml	99
77) 3,3'-Dichlorobenzidine	11.003	252	378653	44.80 ug/ml	98
78) Bis (2-ethylhexyl) pht...	11.105	149	1134483	40.58 ug/ml	99
80) di-n-octyl-phthalate	11.758	149	1974602	38.74 ug/ml	98
81) Benzo[b] fluoranthene	12.068	252	1515609	41.06 ug/ml	99
82) Benzo[k] fluoranthene	12.104	252	1343290	35.32 ug/ml	100
83) Benzo[a] pyrene	12.410	252	1494283	39.64 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	13.650	276	1320780m	42.97 ug/ml	
85) Dibenz [a,h] anthracene	13.686	278	1288870	41.05 ug/ml	99
86) Benzo(g,h,i) perylene	13.949	276	1340488	41.29 ug/ml	99

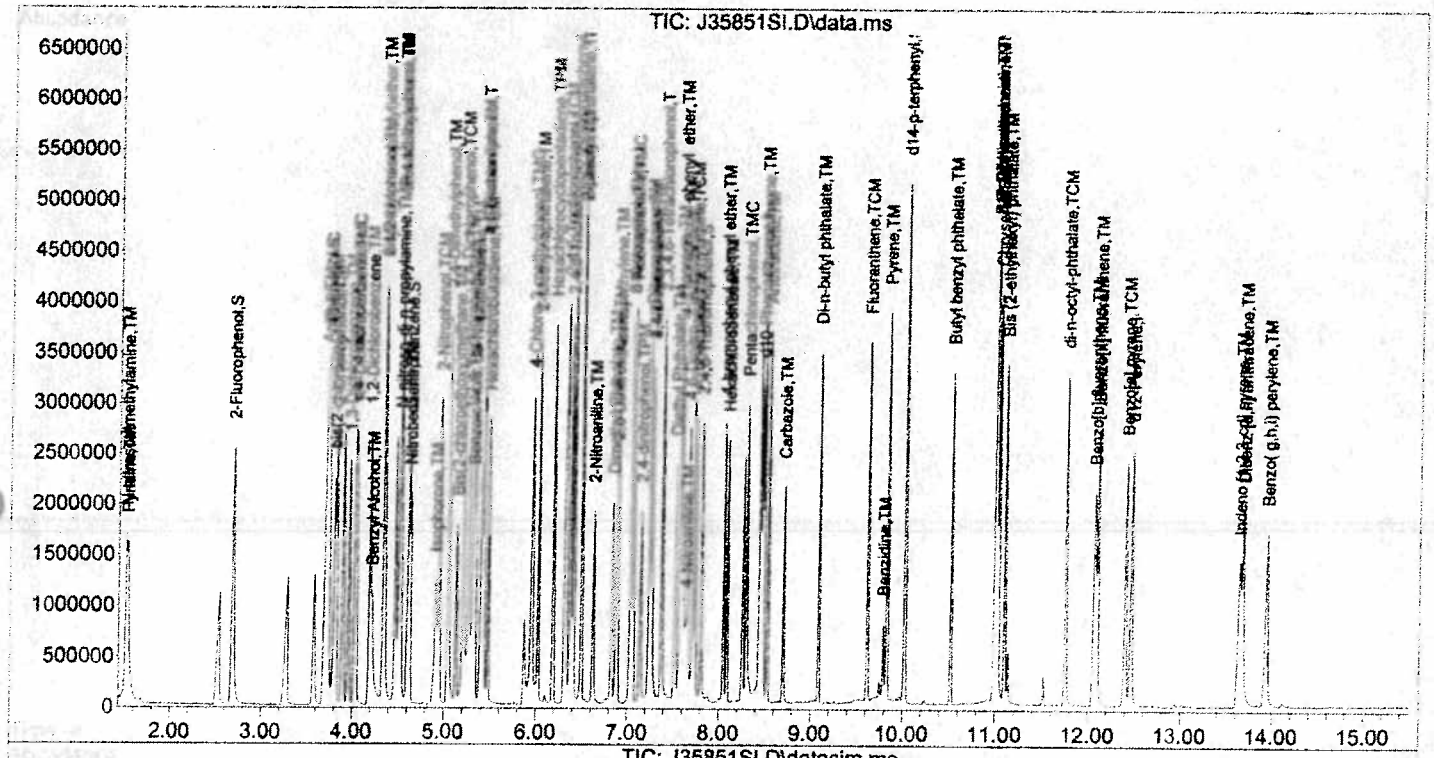
(#) = qualifier out of range (m) = manual integration (+) = signals summed

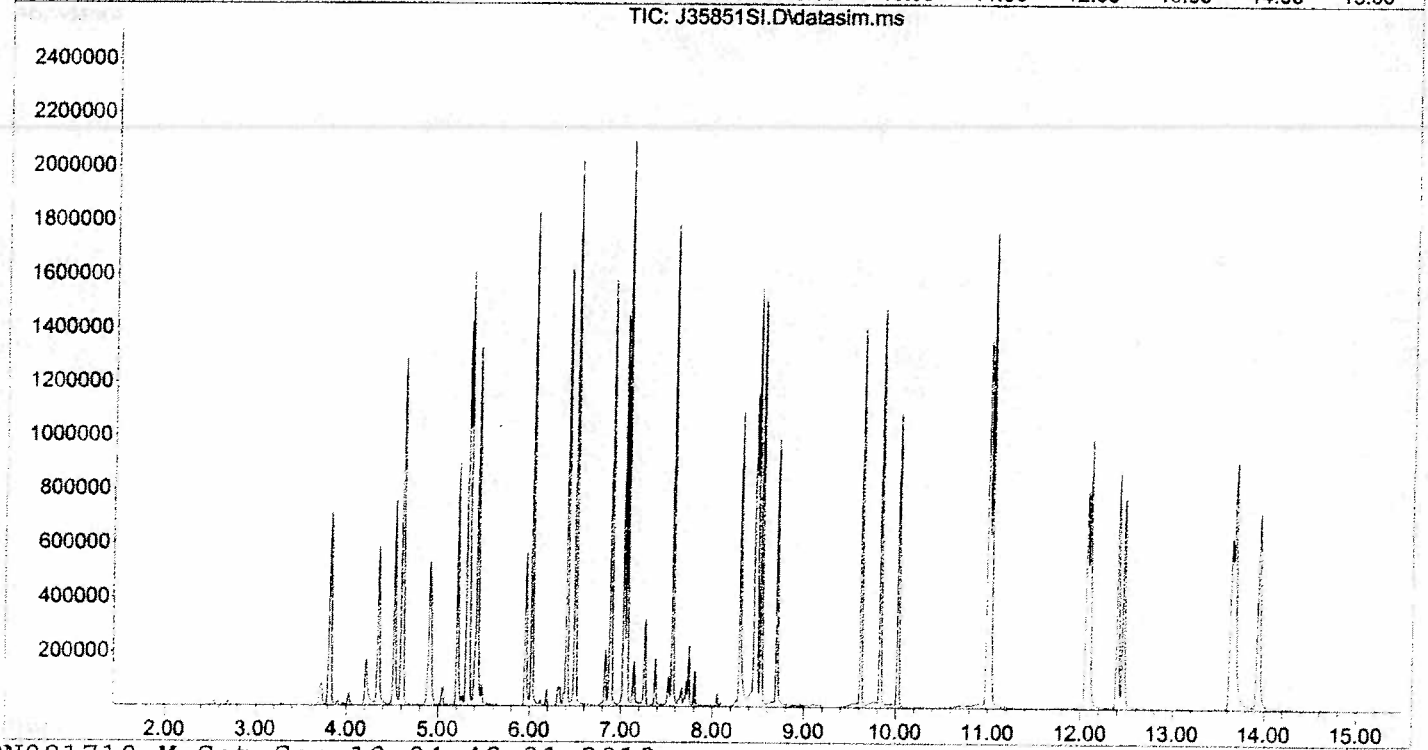
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:48:38 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

MN 9/27/10





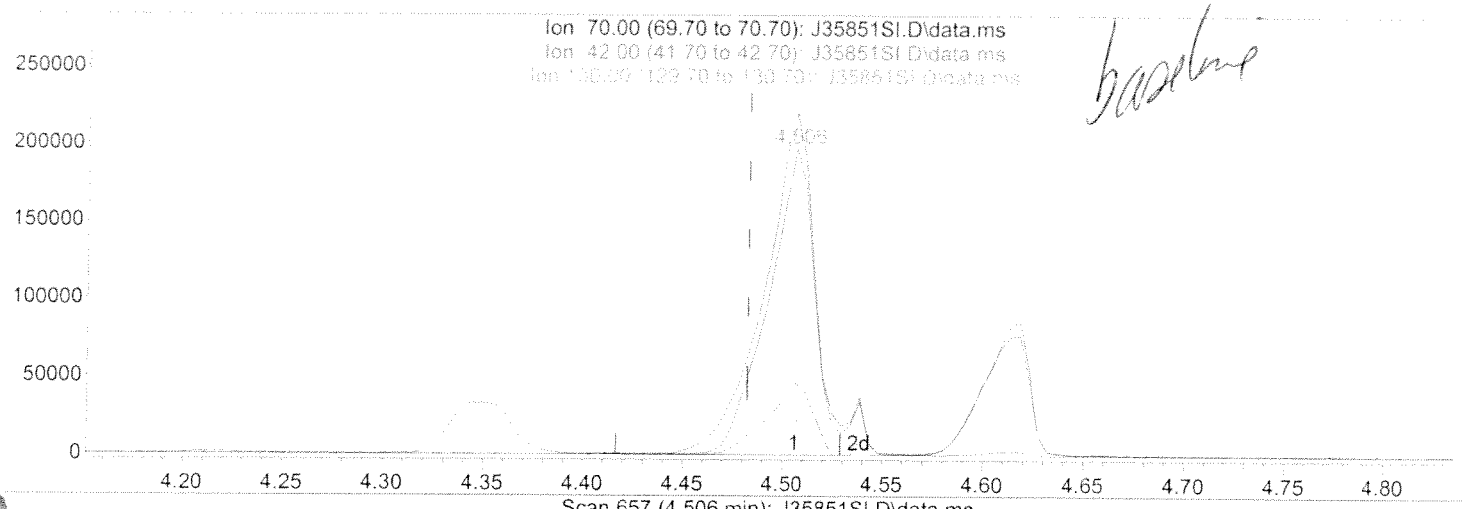
Quantitation Report (Qedit)

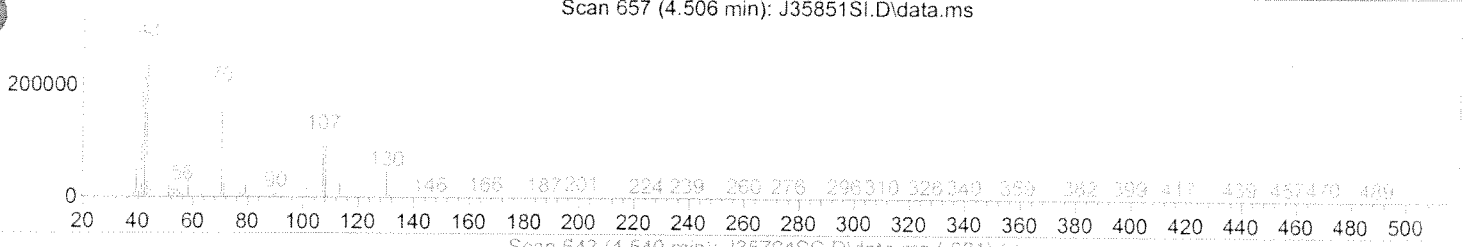
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

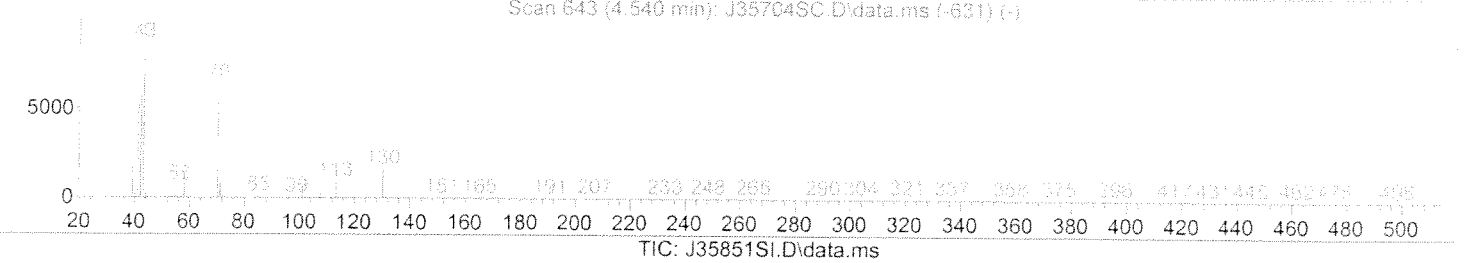
Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

PM 9/23/10

baseline







(18) N-nitroso-di-n-propylamine (TMP)

4.506min (+0.023) 40.68ug/ml

response 316316

Ion	Exp%	Act%
70.00	100	100
42.00	126.50	120.09
130.00	23.90	23.26
0.00	0.00	0.00

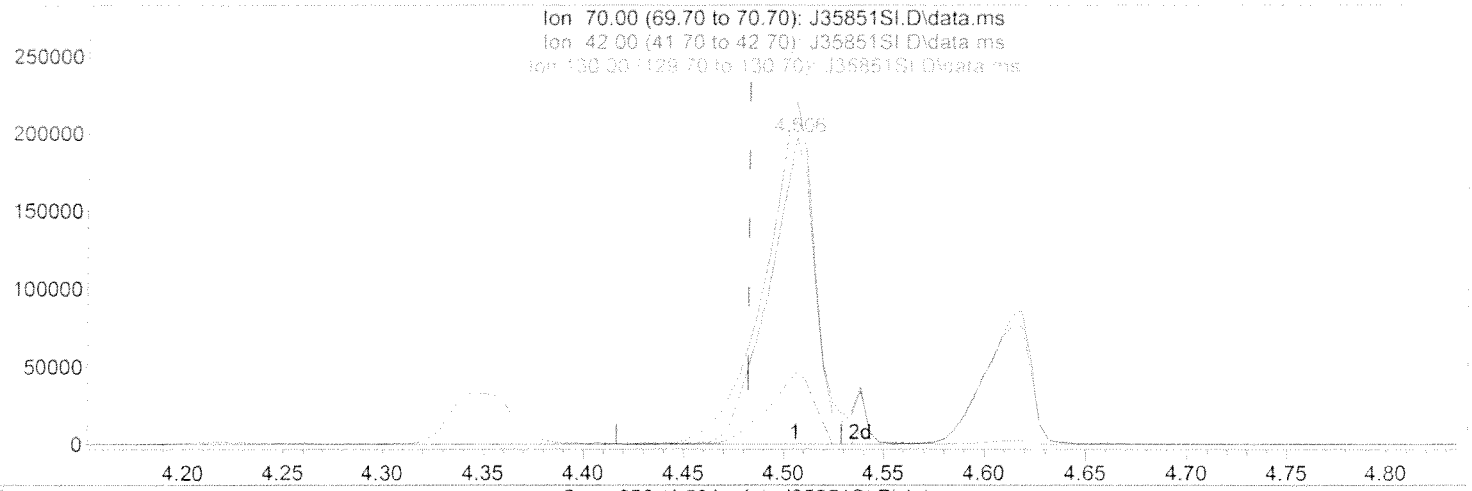
SPZW

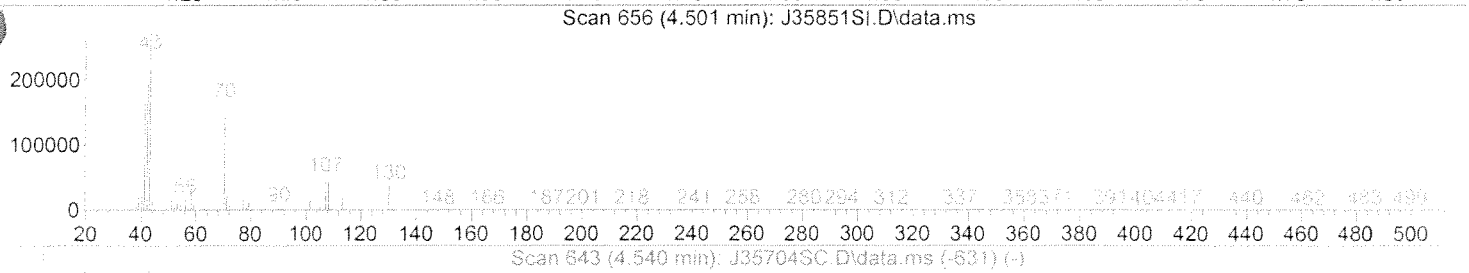
Quantitation Report (Qedit)

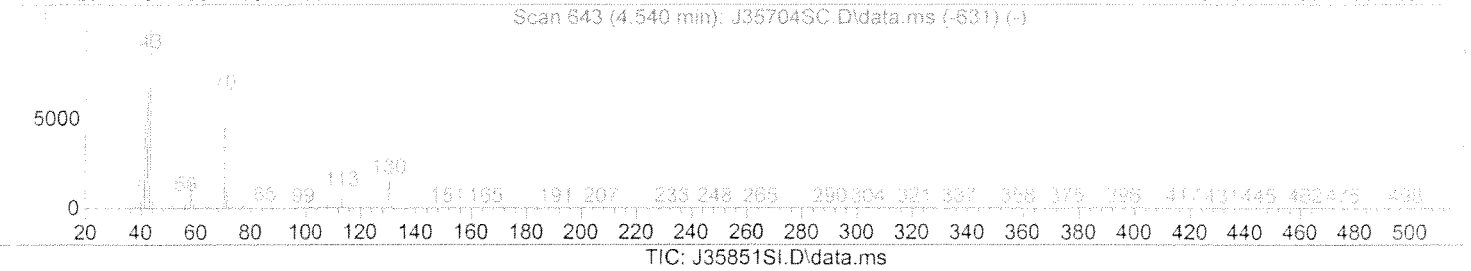
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

PW 9/23/10







TIC: J35851SI.D\data.ms

(18) N-nitroso-di-n-propylamine (TMP)

4.506min (+0.023) 42.99ug/ml m

response 334255

Ion	Exp%	Act%
70.00	100	100
42.00	126.50	113.65
130.00	23.90	22.01
0.00	0.00	0.00

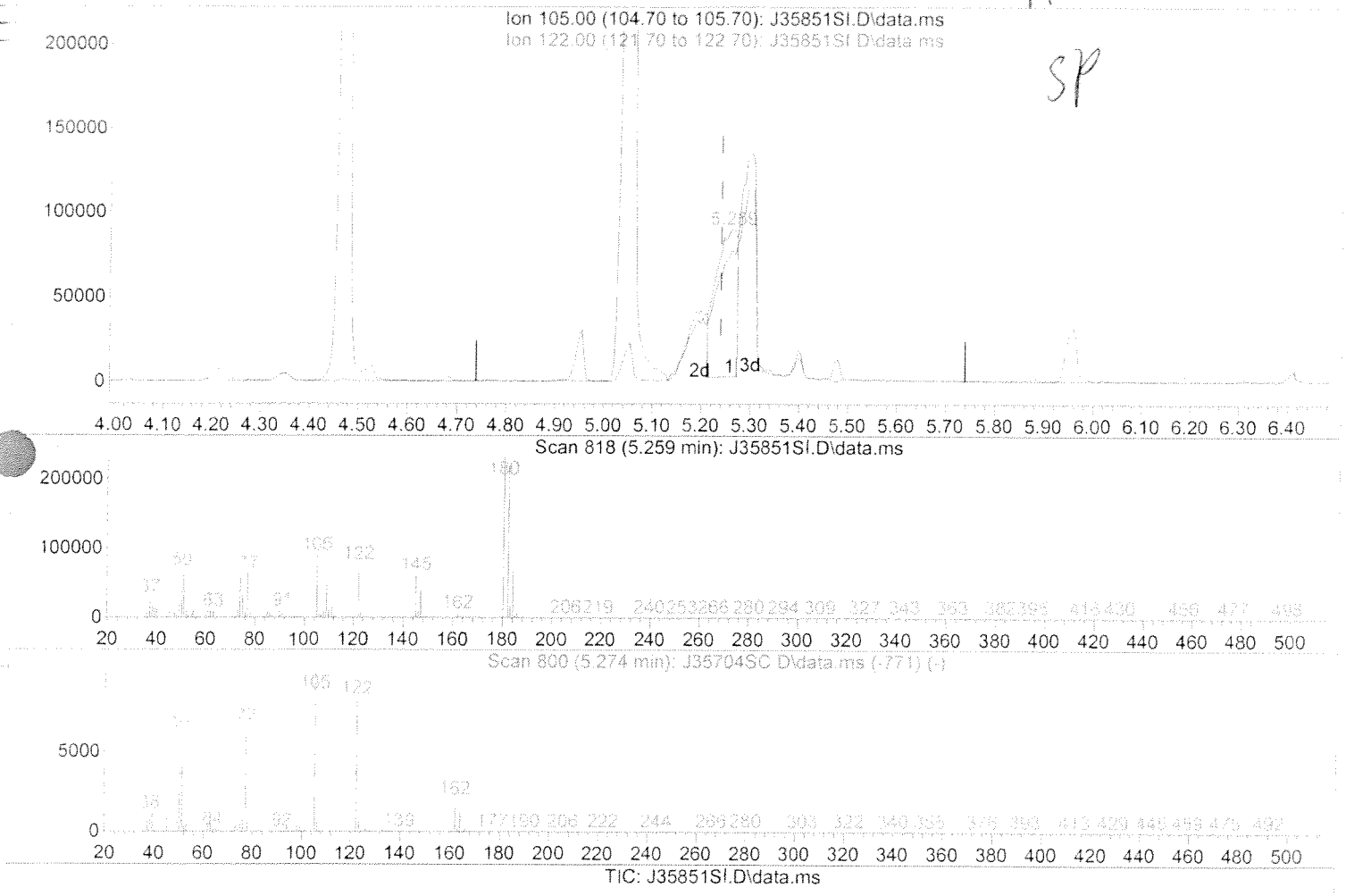
J92kw

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

MV
9/09/10
SP



(27) Benzoic Acid (TM)

5.259min (+0.019) 35.15ug/ml

response 265879

Ion	Exp%	Act%
105.00	100	100
122.00	85.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

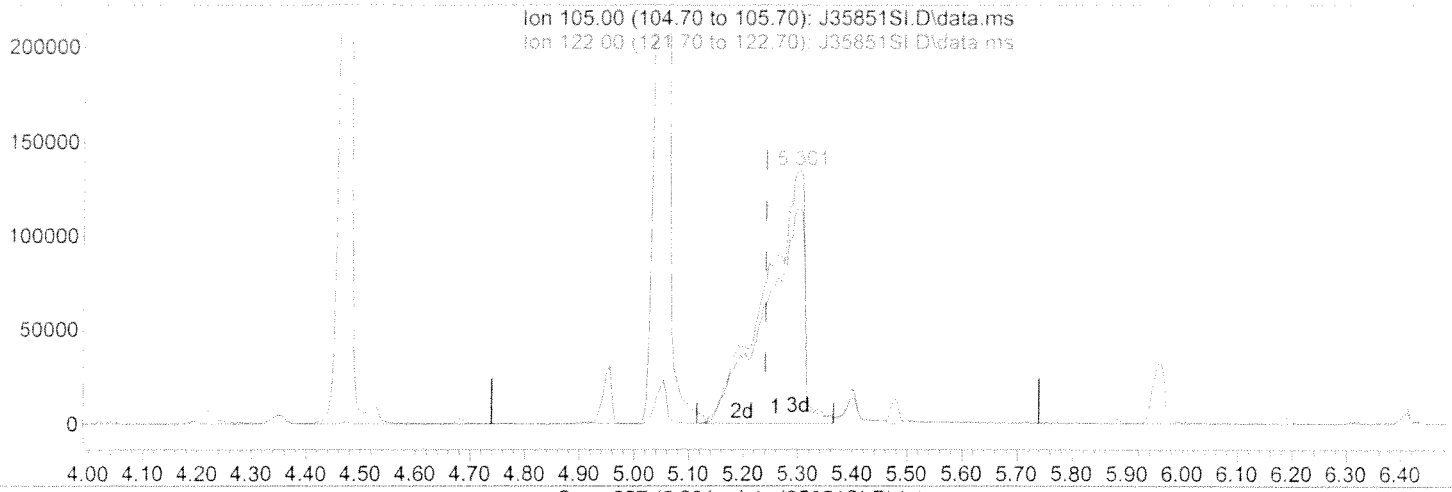
392720

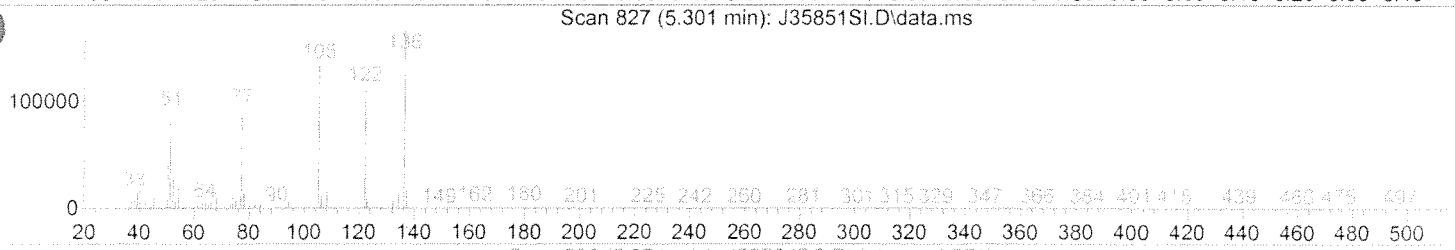
Quantitation Report (Qedit)

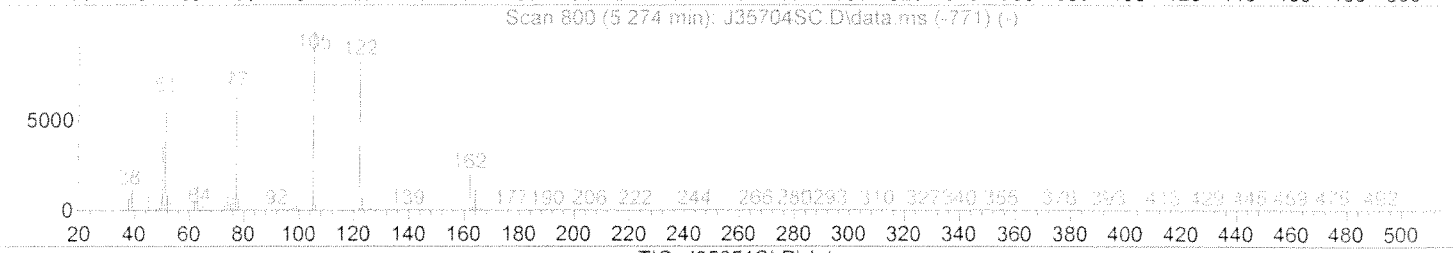
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

9/23/10







TIC: J35851SI.D\data.ms

(27) Benzoic Acid (TM)

5.301min (+0.061) 76.31ug/ml m

response 680304

Ion	Exp%	Act%
105.00	100	100
122.00	85.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

59270

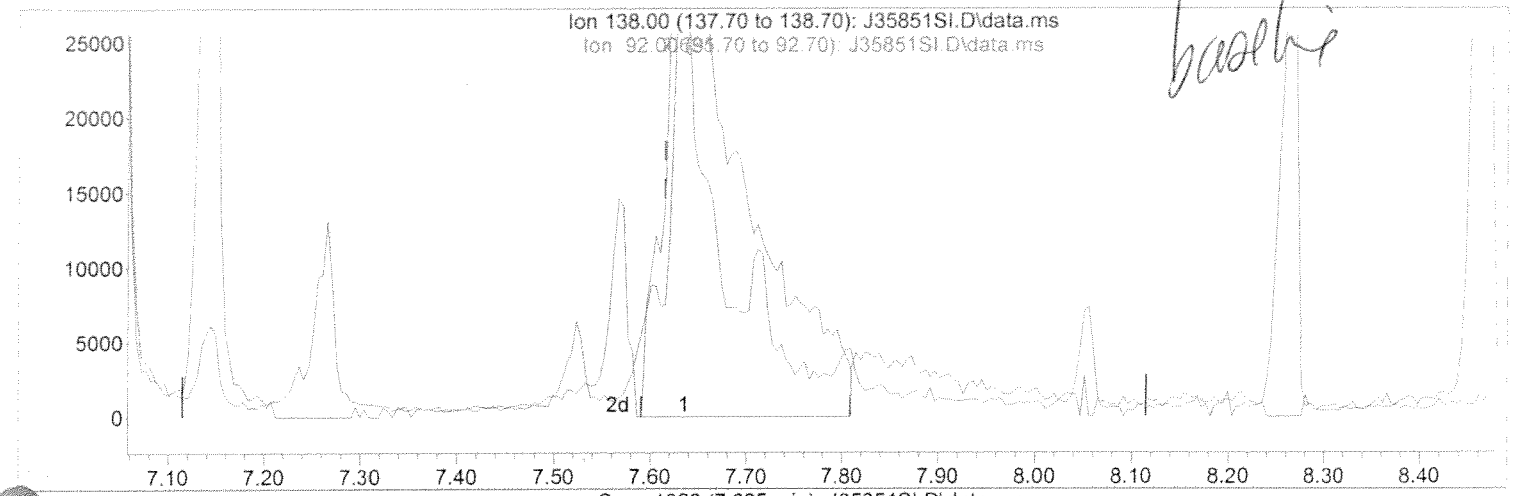
Quantitation Report (Qedit)

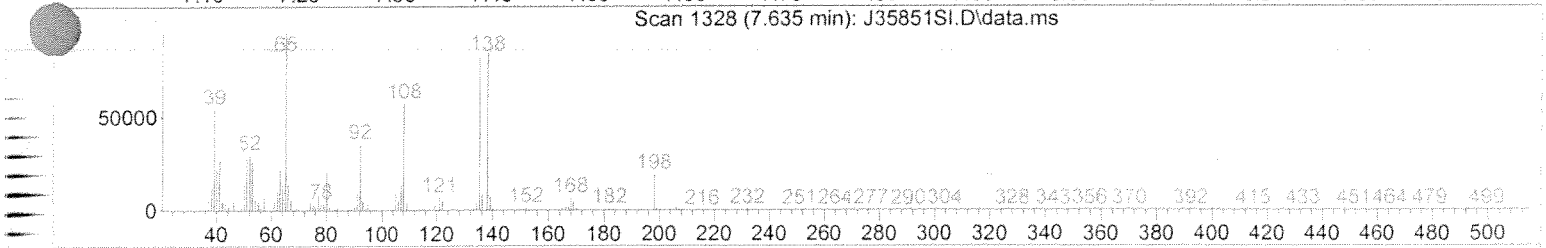
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

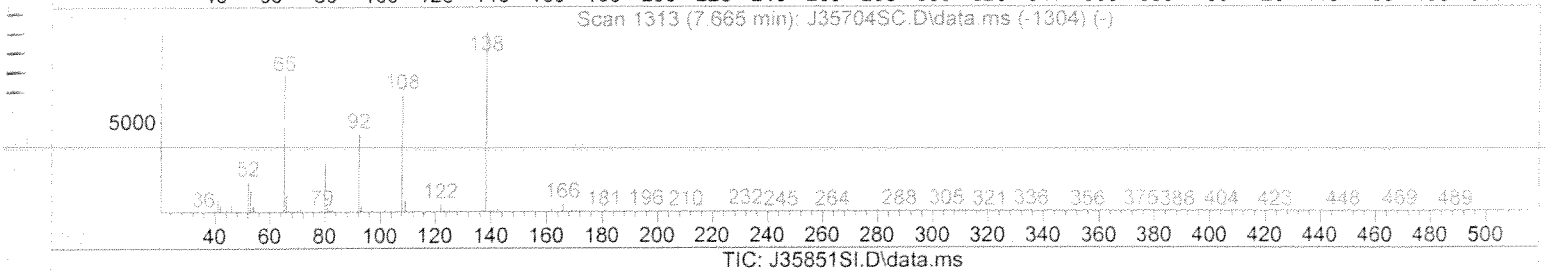
Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

AN 9/23/10

baseline







TIC: J35851SI.D\data.ms

(55) 4-Nitroaniline (TM)

7.635min (+0.019) 42.17ug/ml

response 243221

Ion	Exp%	Act%
138.00	100	100
92.00	31.80	28.59
0.00	0.00	0.00
0.00	0.00	0.00

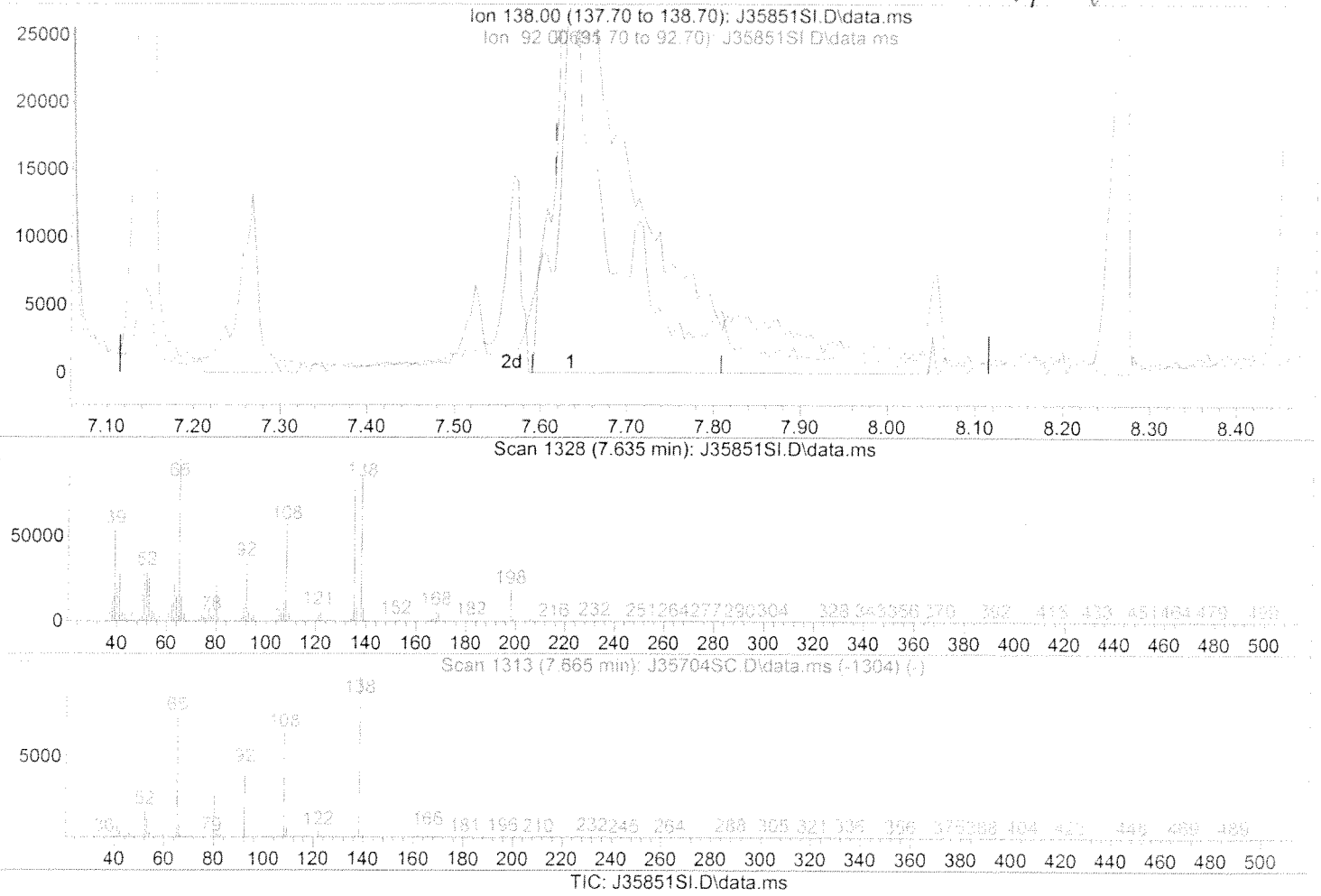
092710

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

9/23/10



(55) 4-Nitroaniline (TM)

7.635min (+0.019) 47.24ug/ml m

response 274875

Ion	Exp%	Act%
138.00	100	100
92.00	31.80	25.29#
0.00	0.00	0.00
0.00	0.00	0.00

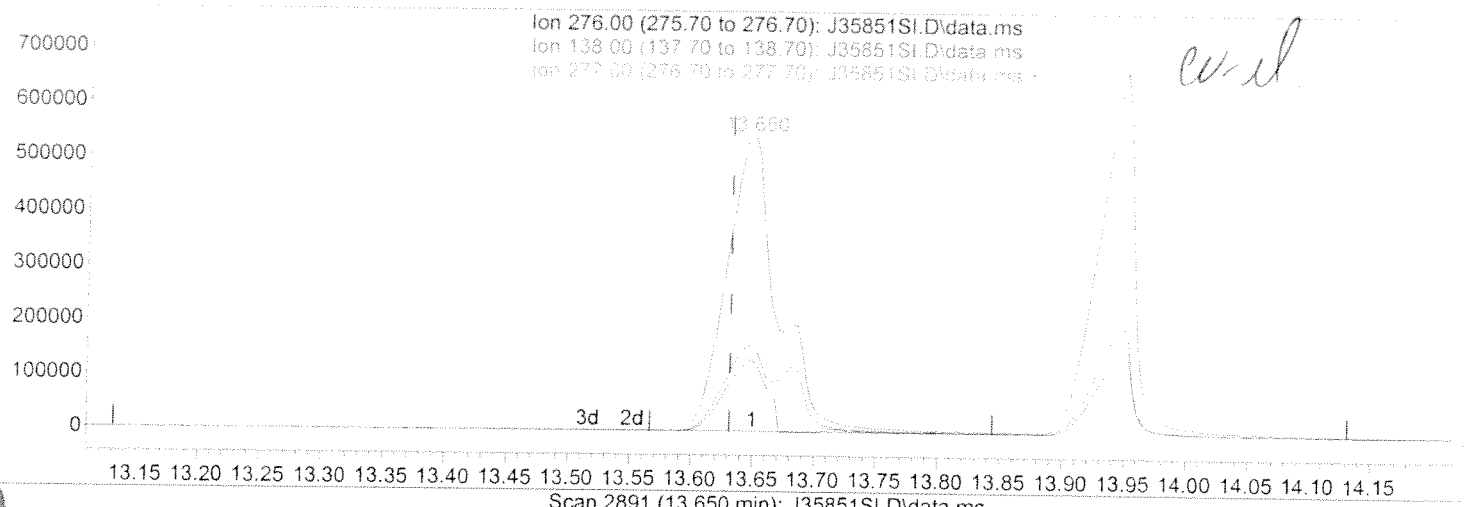
39270

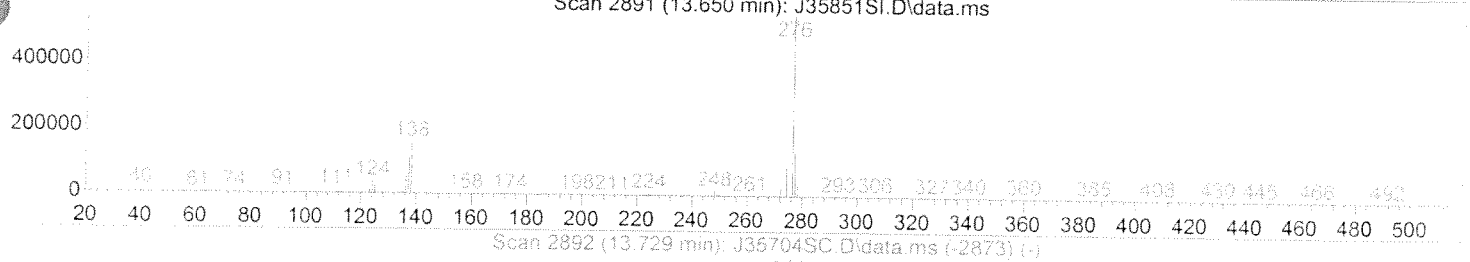
Quantitation Report (Qedit)

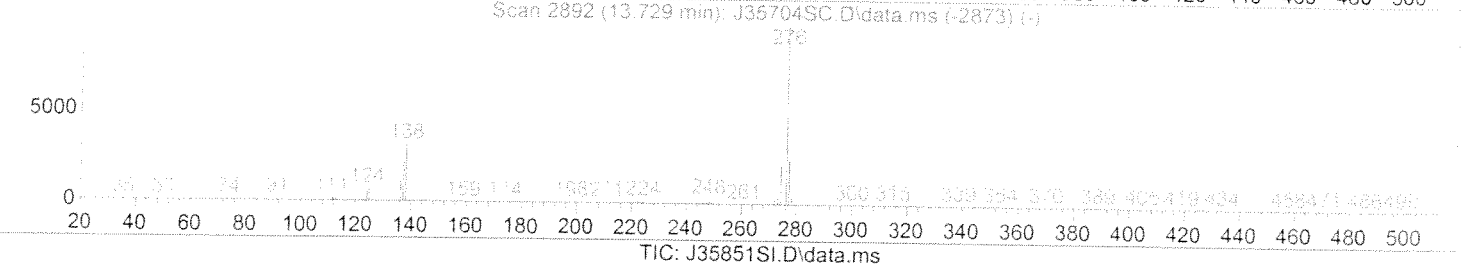
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

AN 9/23/10 cw-l







(84) Indeno [1,2,3-cd] pyrene (TM)

13.650min (+0.018) 51.75ug/ml

response 1593274

Ion	Exp%	Act%
276.00	100	100
138.00	29.20	24.39
277.00	23.60	19.37
0.00	0.00	0.00

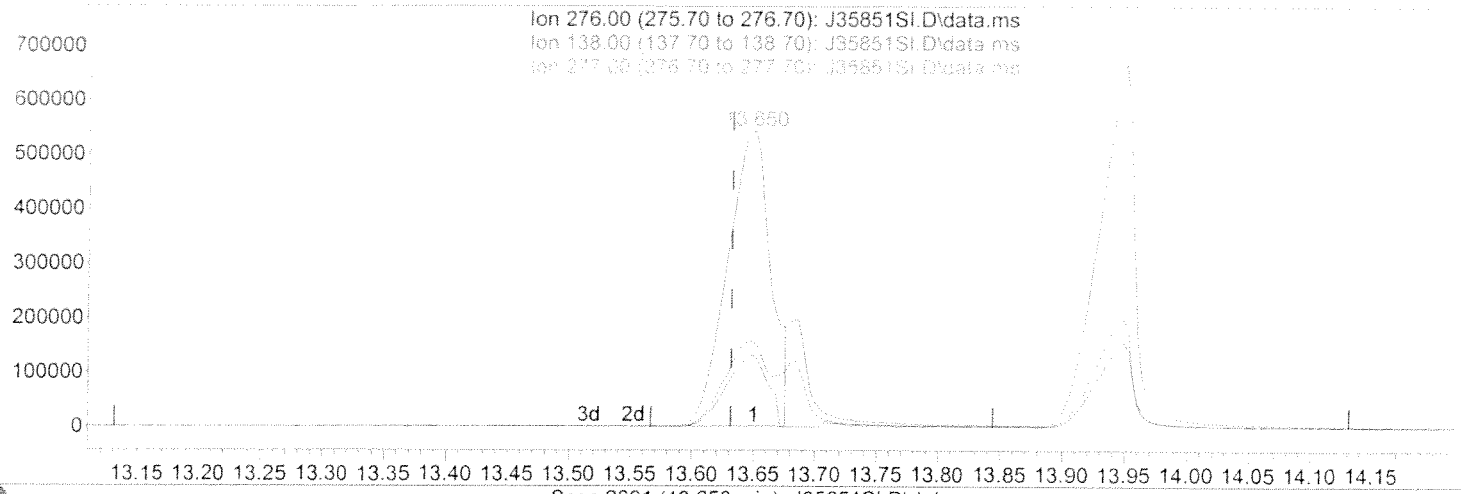
292nw

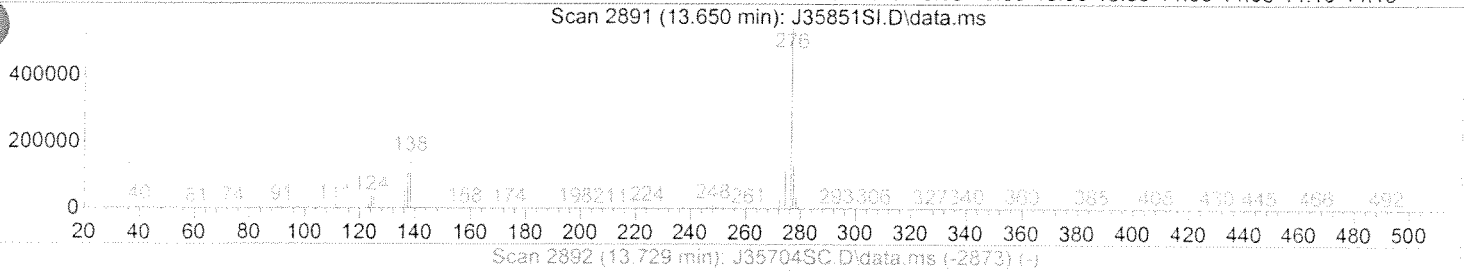
Quantitation Report (Qedit)

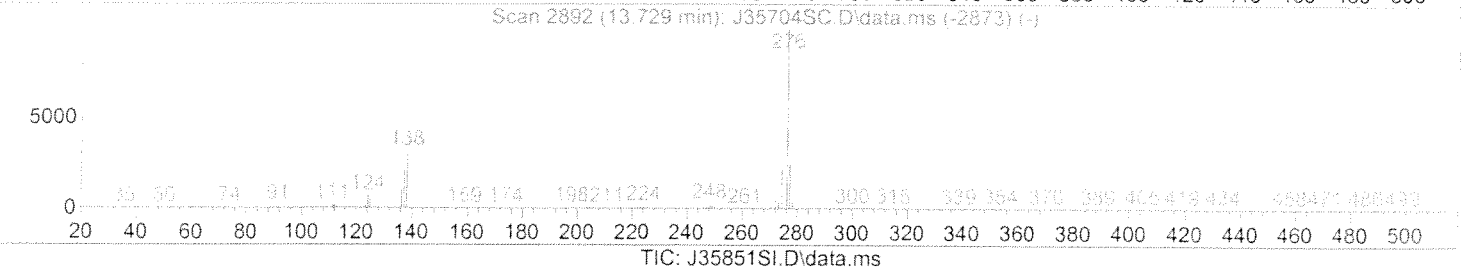
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 18 04:46:25 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:46:15 2010
Response via : Initial Calibration

ON
9/23/10







TIC: J35851SI.D\data.ms

(84) Indeno [1,2,3-cd] pyrene (TM)

13.650min (+0.018) 42.97ug/ml m

response 1320780

Ion	Exp%	Act%
276.00	100	100
138.00	29.20	29.42
277.00	23.60	23.37
0.00	0.00	0.00

92%

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:52:21 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

ON 9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.029	152	480235	40.00	ug/ml	0.00
19) d8-Naphthalene	5.320	136	1425038	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.038	164	835715	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.465	188	1407375	40.00	ug/ml	0.00
71) d12-Chrysene	11.015	240	1356071	40.00	ug/ml	0.00
79) d12-Perylene	12.475	264	1310149	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.696	112	1416094	99.36	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 132.48%#			
5) d5-Phenol	3.734	99	1560517	93.59	ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 124.79%#			
20) d5-nitrobenzene	4.623	82	1148591	93.02	ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 186.04%#			
39) 2-Fluorobiphenyl	6.413	172	2309598	87.29	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 174.58%#			
60) 2,4,6-Tribromophenol	7.809	330	443095	100.67	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 134.23%#			
73) d14-p-terphenyl	10.034	244	2274168	84.76	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 169.52%#			

Target Compounds						Qvalue
2) Pyridine	1.540	79	813678	50.08	ug/ml	98
3) N-nitrosodimethylamine	1.522	74	445096	51.57	ug/ml	97
6) Aniline	3.706	93	1063451	47.51	ug/ml	99
7) Phenol	3.753	94	1591665	94.95	ug/ml	94
8) 2-Chlorophenol	3.828	128	1402449	94.38	ug/ml	99
9) bis(2-chloroethyl) ether	3.809	63	760309m	51.43	ug/ml	
10) 1,3-Dichlorobenzene	3.968	146	918539	47.95	ug/ml	99
11) 1,4-Dichlorobenzene	4.047	146	892508	48.11	ug/ml	99
12) 1,2-Dichlorobenzene	4.192	146	899092	50.01	ug/ml	100
13) Benzyl Alcohol	4.225	108	426543	44.61	ug/ml	99
14) 2-Methylphenol	4.356	108	1099582	92.22	ug/ml	98
15) bis(2-chloroisopropyl)...	4.347	45	1208188	39.78	ug/ml	99
16) 3+4-Methylphenol	4.538	108	1023465	82.88	ug/ml	98
17) Hexachloroethane	4.534	117	242020	36.93	ug/ml	99
18) N-nitroso-di-n-propyla...	4.515	70	377092m	49.68	ug/ml	
21) Nitrobenzene	4.641	123	325962	49.61	ug/ml	98
22) Isophorone	4.913	82	1111451	48.71	ug/ml	99
23) 2-Nitrophenol	4.959	139	772203	109.55	ug/ml	99
24) 2,4-Dimethylphenol	5.058	107	1239239	95.43	ug/ml	100
25) Bis(2-chloroethoxy)met...	5.142	93	764239	50.48	ug/ml	98
26) 2,4-Dichlorophenol	5.217	162	1133536	93.58	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:52:21 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.334	105	823752m	93.83 ug/ml	
28) 1,2,4-Trichlorobenzene	5.273	180	696209	46.36 ug/ml	100
29) Naphthalene	5.343	128	1800172	47.13 ug/ml	100
30) 2,6-Dichlorophenol	5.432	162	1016404	91.62 ug/ml	97
31) 4-Chloroaniline	5.436	127	700640	46.94 ug/ml	98
32) Hexachlorobutadiene	5.479	225	405840	45.44 ug/ml	99
33) 4-Chloro-3-methylphenol	5.965	107	999626	93.76 ug/ml	100
34) 2-Methylnaphthalene	6.032	141	1046669	44.41 ug/ml	99
36) Hexachlorocyclopentadiene	6.189	237	421583	49.71 ug/ml	98
37) 2,4,6-Trichlorophenol	6.337	196	813232	91.24 ug/ml	99
38) 2,4,5-Trichlorophenol	6.381	196	935995	93.45 ug/ml	98
40) 2-Chloronaphthalene	6.507	162	1068547	47.11 ug/ml	99
41) 2-Nitroaniline	6.632	138	555545	51.68 ug/ml	98
42) 2,6-Dinitrotoluene	6.882	165	326501	46.41 ug/ml	99
43) Dimethyl Phthalate	6.839	163	1463032	44.73 ug/ml	99
44) Acenaphthylene	6.897	152	1764413	43.93 ug/ml	100
45) 3-Nitroaniline	7.047	138	272588	45.89 ug/ml	99
46) Acenaphthene	7.072	153	1126332	44.20 ug/ml	99
47) 2,4-dinitrophenol	7.154	184	443806	118.47 ug/ml	100
48) Dibenzofuran	7.242	168	1833969	46.20 ug/ml	100
49) 4-Nitrophenol	7.275	109	339728	94.43 ug/ml	97
50) 2,4-Dinitrotoluene	7.271	165	413901	46.06 ug/ml	97
51) 2,3,4,6-Tetrachlorophenol	7.382	232	775921	98.15 ug/ml	99
52) Fluorene	7.571	166	1332824	44.21 ug/ml	99
53) Diethyl Phthalate	7.528	149	1324409	43.04 ug/ml	99
54) 4-Chlorophenyl phenyl ...	7.591	204	658967	49.55 ug/ml	99
55) 4-Nitroaniline	7.644	138	334787m	57.91 ug/ml	
56) 4,6-Dinitro-2-methylph...	7.673	198	572605	104.03 ug/ml	99
57) n-nitrosodiphenylamine	7.722	169	977027	44.28 ug/ml	98
58) Azobenzene	7.746	77	1227228	46.89 ug/ml	98
59) Biphenyl	6.502	154	1241782	45.90 ug/ml	100
62) 4-bromophenyl phenyl e...	8.055	248	438737	45.32 ug/ml	100
63) Hexachlorobenzene	8.096	284	474792	48.16 ug/ml	100
64) Pentachlorophenol	8.307	266	621361	101.77 ug/ml	97
65) Phenanthrene	8.492	178	1918128	45.83 ug/ml	99
66) Anthracene	8.542	178	1911715	44.20 ug/ml	100
67) Carbazole	8.708	167	1145957	50.14 ug/ml	99
68) Di-n-butyl phthalate	9.095	149	2285209	44.71 ug/ml	100
69) Fluoranthene	9.626	202	2024048	42.89 ug/ml	100
70) Benzidine	9.796	184	418755	57.74 ug/ml	99
72) Pyrene	9.839	202	2109767	46.10 ug/ml	100
74) Butyl benzyl phthalate	10.527	149	1059091	50.02 ug/ml	100
75) Benzo[a]anthracene	10.996	228	1843876	49.52 ug/ml	100

392700

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:52:21 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.041	228	1822682	46.16 ug/ml	100
77) 3,3'-Dichlorobenzidine	11.003	252	450472	55.34 ug/ml	100
78) Bis (2-ethylhexyl) pht...	11.105	149	1353791	50.28 ug/ml	99
80) di-n-octyl-phthalate	11.761	149	2360501	47.26 ug/ml	99
81) Benzo[b] fluoranthene	12.078	252	1930955	52.63 ug/ml	100
82) Benzo[k] fluoranthene	12.107	252	1666769	46.87 ug/ml	98
83) Benzo[a] pyrene	12.414	252	1807189	48.23 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	13.661	276	1745087m	57.03 ug/ml	
85) Dibenz [a,h] anthracene	13.693	278	1651322	53.59 ug/ml	99
86) Benzo(g,h,i) perylene	13.960	276	1757727	54.47 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

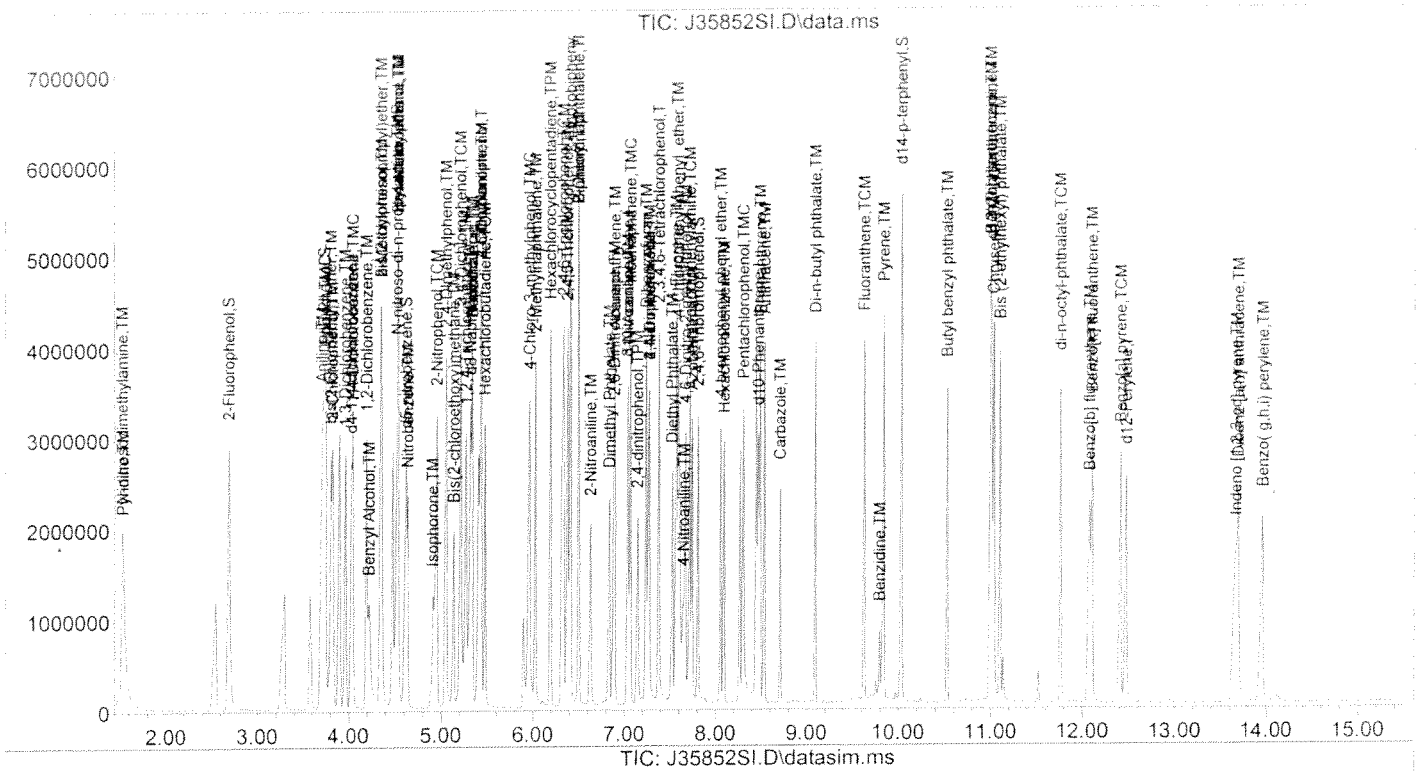
SGZW

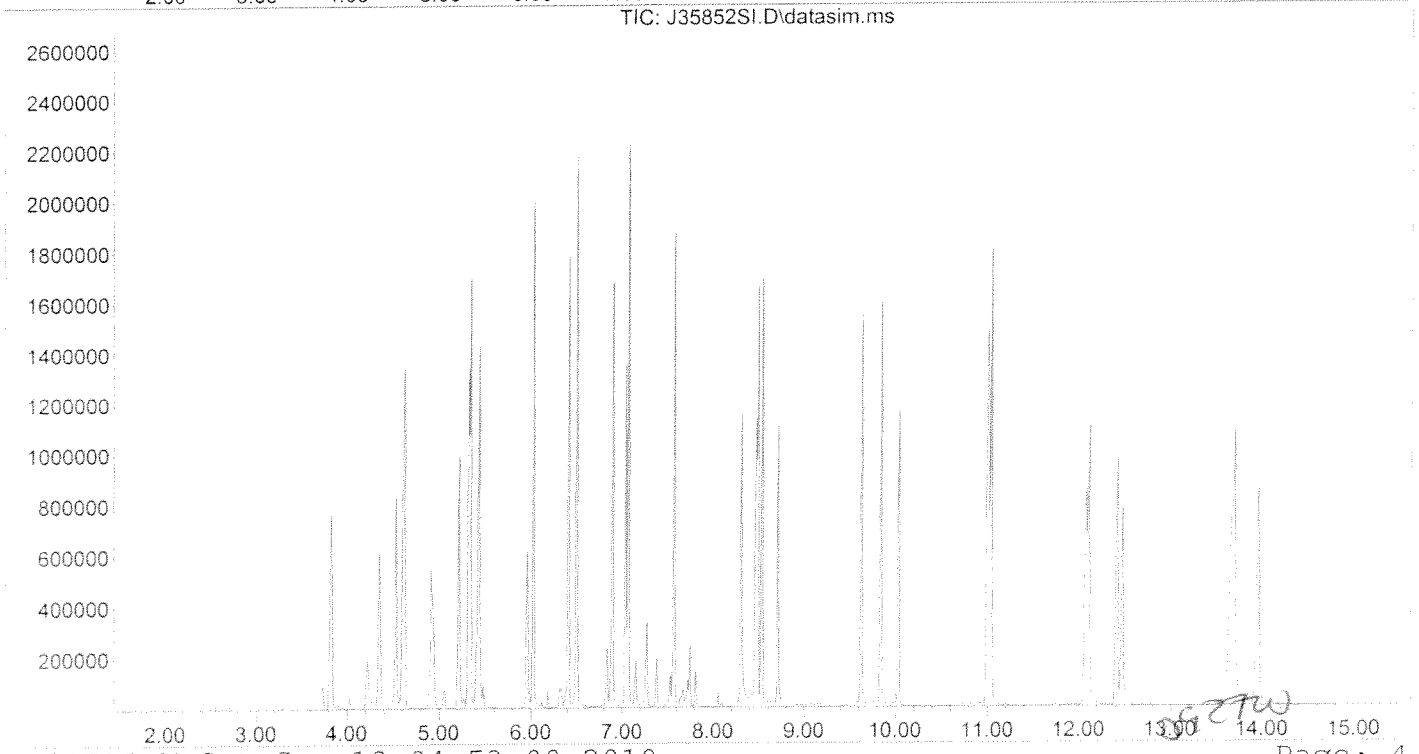
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:52:21 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

9/23/10





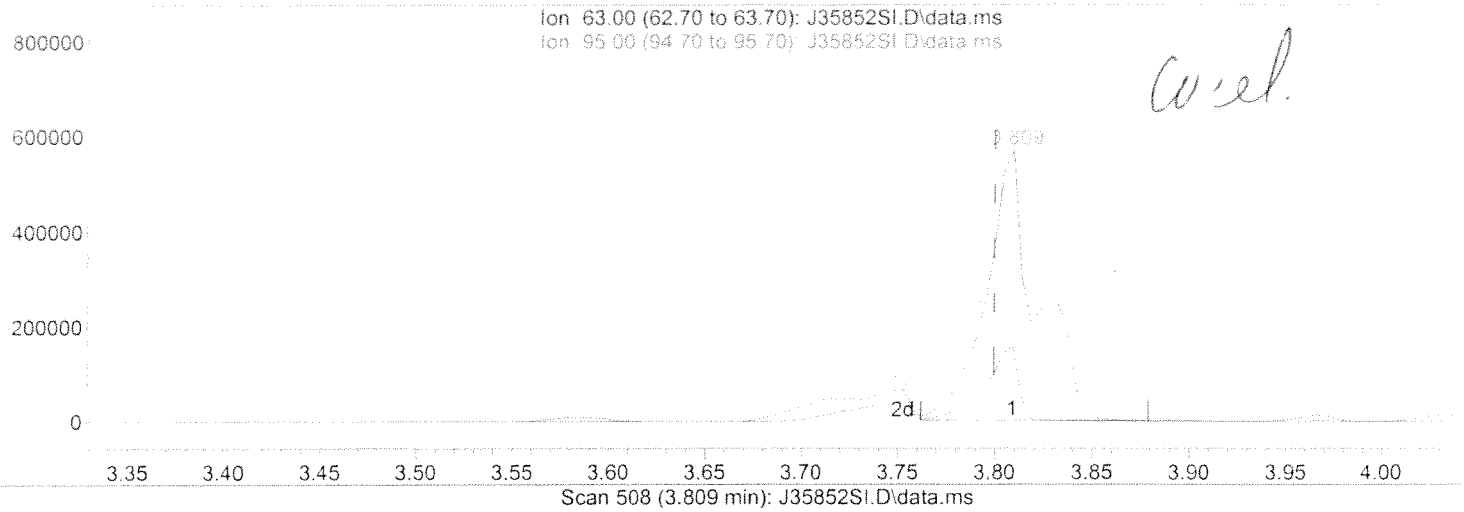
Quantitation Report (Qedit)

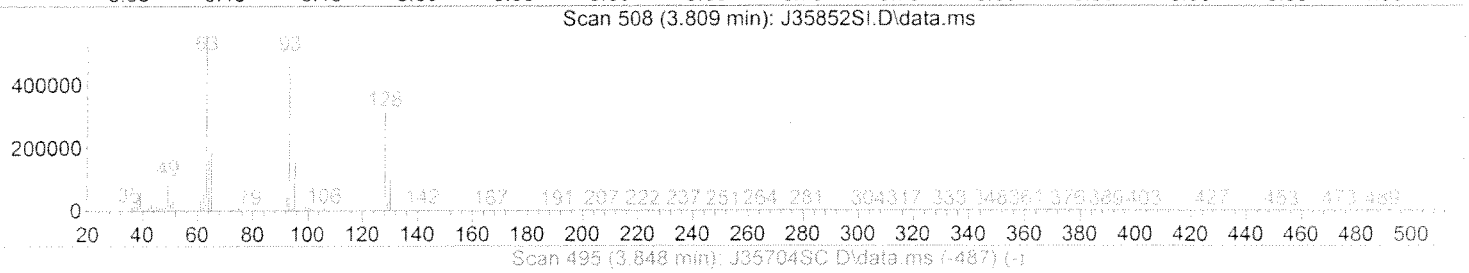
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

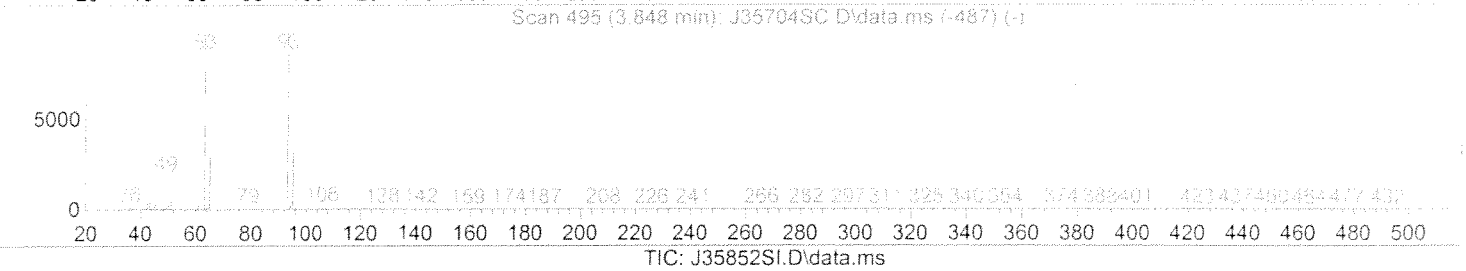
Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

AN 9/23/10

Cancel.







(9) bis(2-chloroethyl) ether (TM)

3.809min (+0.009) 70.17ug/ml

response 1037245

Ion	Exp%	Act%
63.00	100	100
95.00	26.70	18.15#
0.00	0.00	0.00
0.00	0.00	0.00

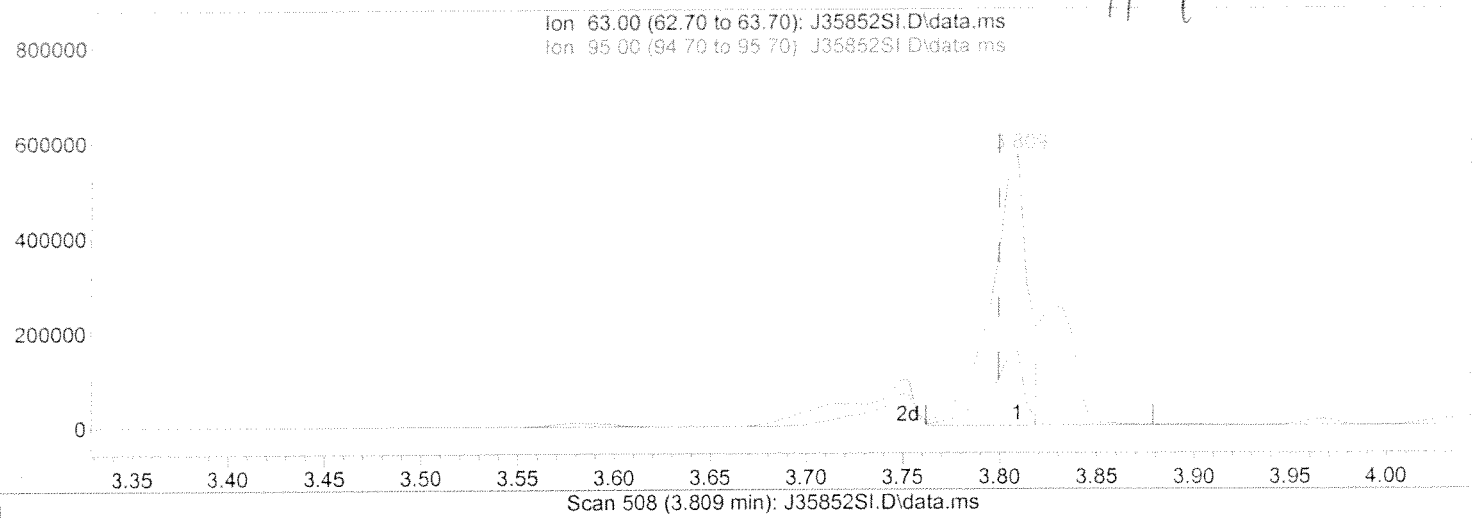
SYPW

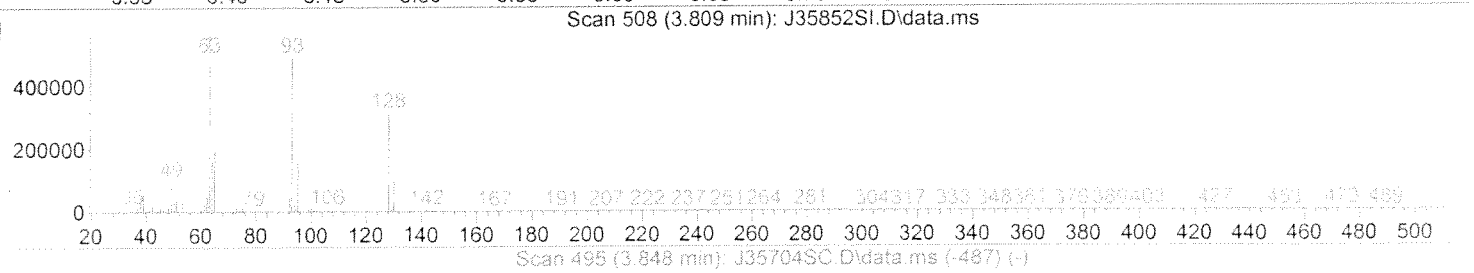
Quantitation Report (Qedit)

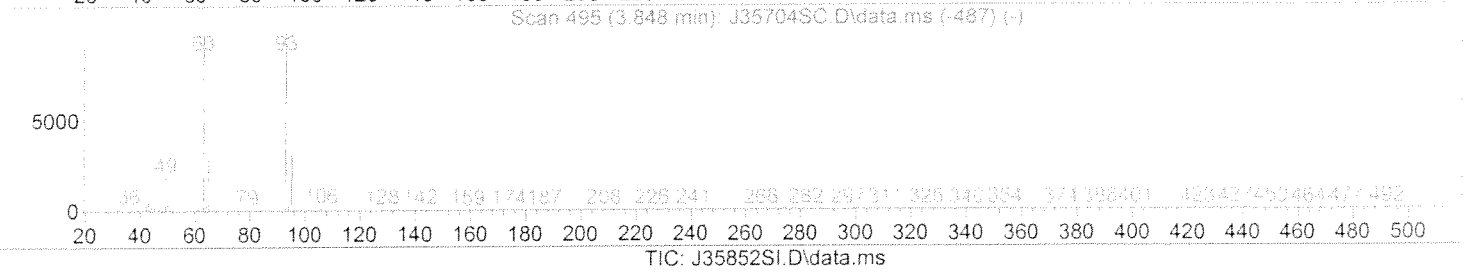
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

9/23/10







(9) bis(2-chloroethyl) ether (TM)

3.809min (+0.009) 51.43ug/ml m

response 760309

Ion	Exp%	Act%
63.00	100	100
95.00	26.70	24.76
0.00	0.00	0.00
0.00	0.00	0.00

59270

Quantitation Report (Qedit)

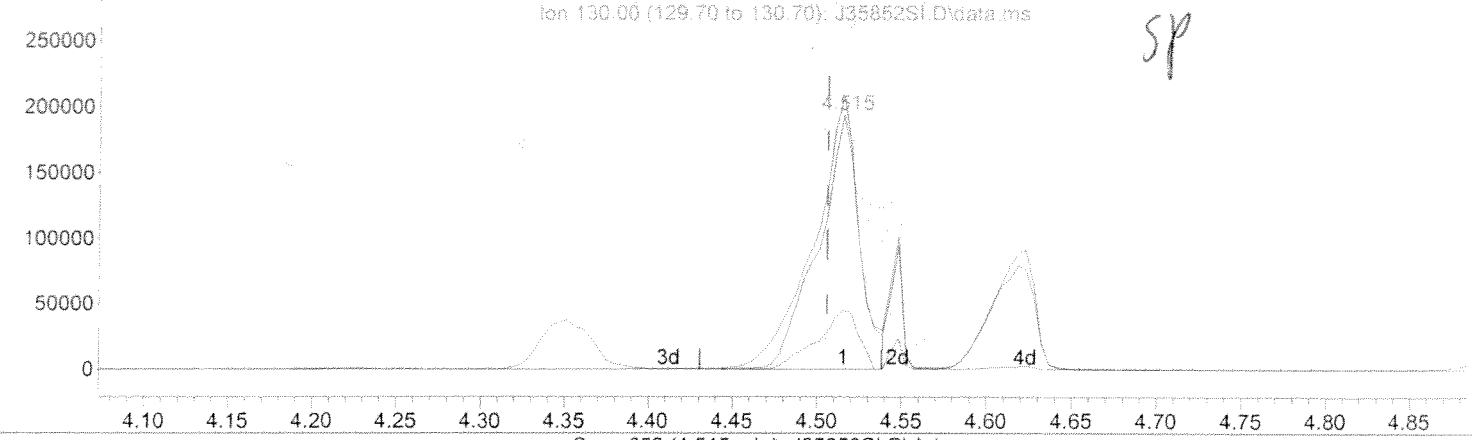
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

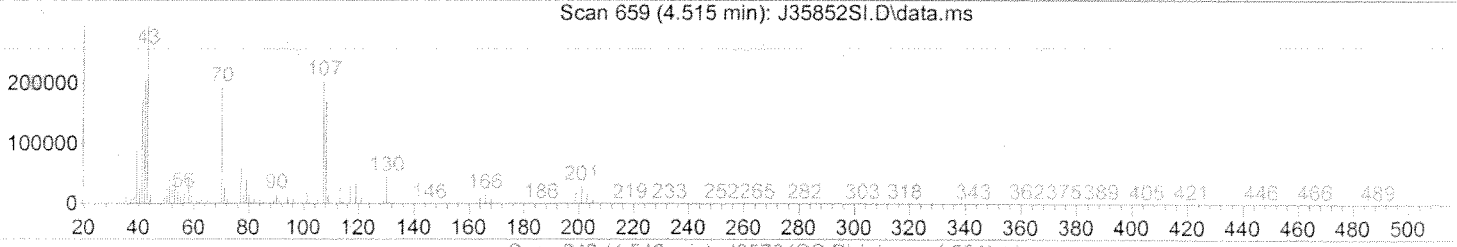
ON 9/23/10

Ion 70.00 (69.70 to 70.70): J35852SI.D\data.ms
Ion 42.00 (41.70 to 42.70): J35852SI.D\data.ms
Ion 130.00 (129.70 to 130.70): J35852SI.D\data.ms

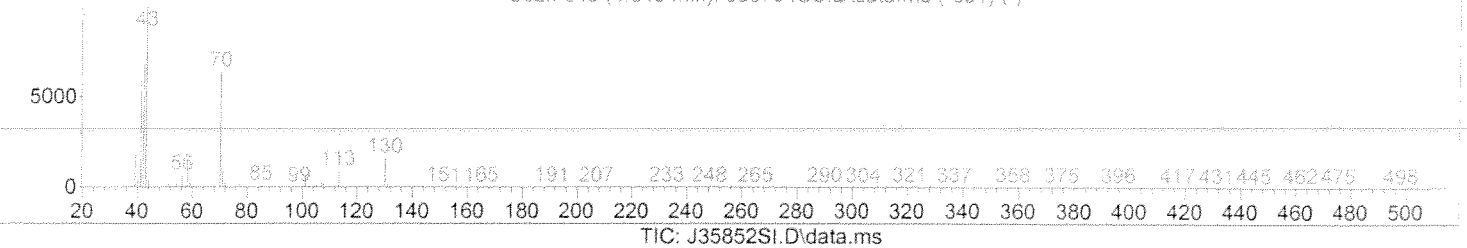
SP



Scan 659 (4.515 min): J35852SI.D\data.ms



Scan 643 (4.540 min): J35704SC.D\data.ms (-631) (-)



TIC: J35852SI.D\data.ms

(18) N-nitroso-di-n-propylamine (TMP)

4.515min (+0.009) 43.70ug/ml

response 331692

JZ 9/23/10

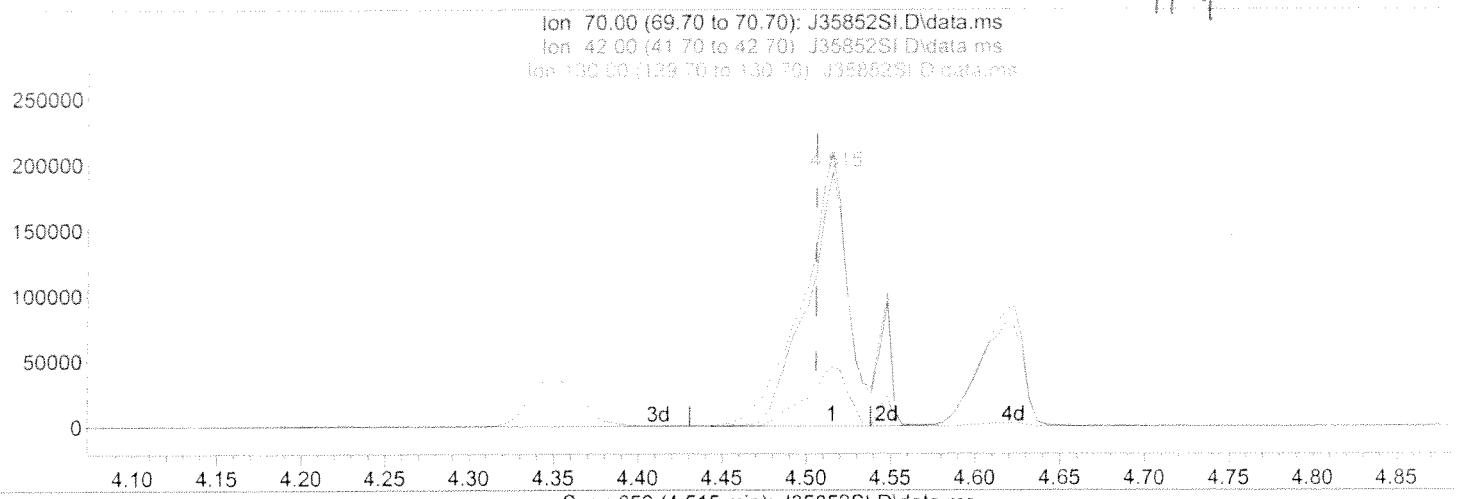
Ion	Exp%	Act%
70.00	100	100
42.00	113.60	115.28
130.00	22.00	23.27
0.00	0.00	0.00

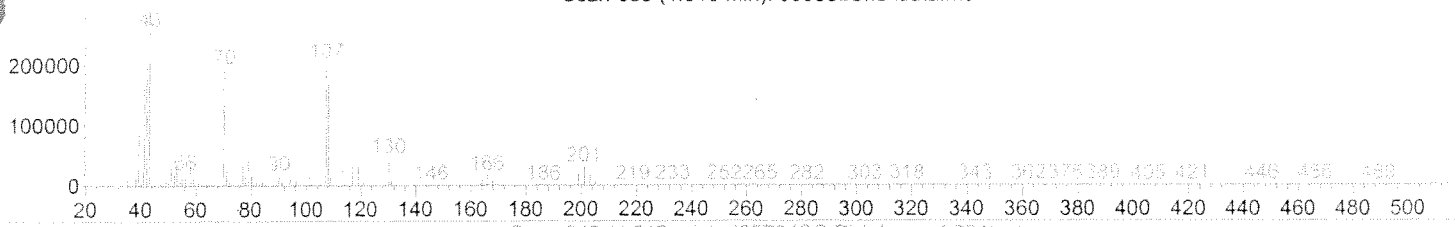
Quantitation Report (Qedit)

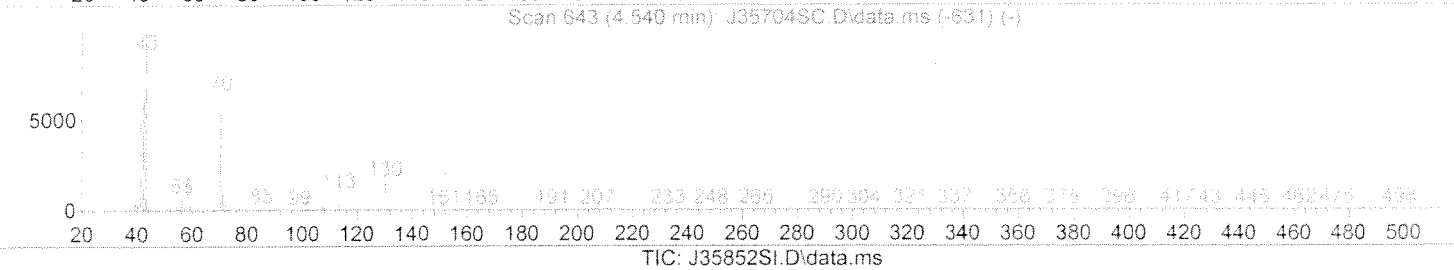
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

9/23/10







(18) N-nitroso-di-n-propylamine (TMP)

4.515min (+0.009) 49.68ug/ml m

response 377092

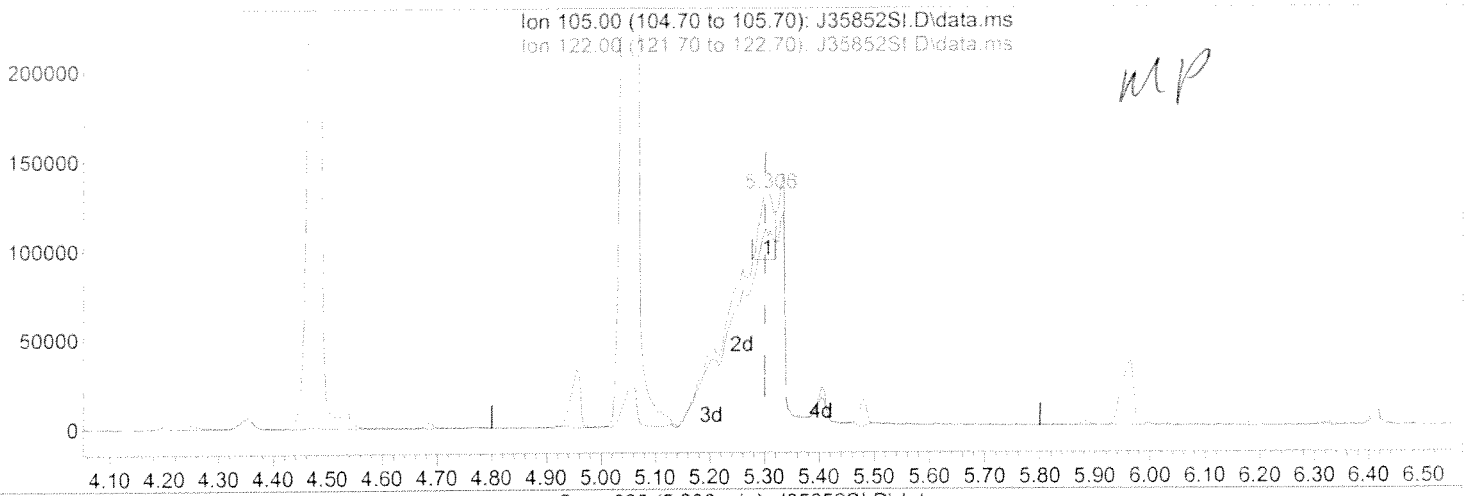
Ion	Exp%	Act%
70.00	100	100
42.00	113.60	101.40
130.00	22.00	20.47
0.00	0.00	0.00

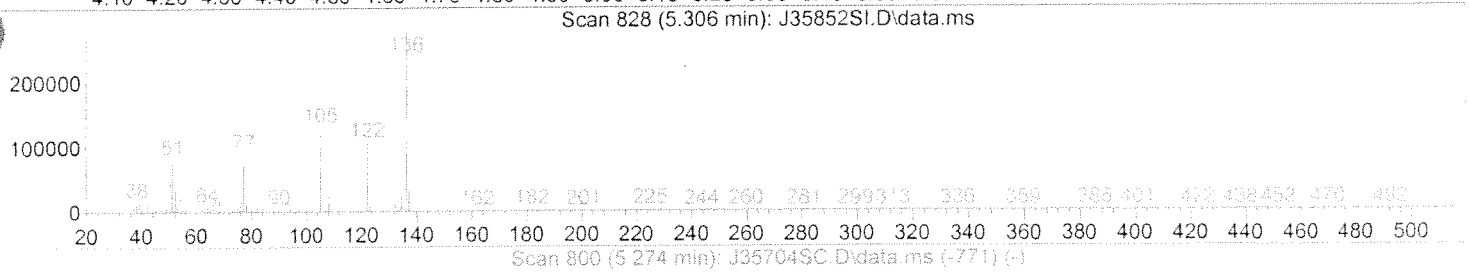
Quantitation Report (Qedit)

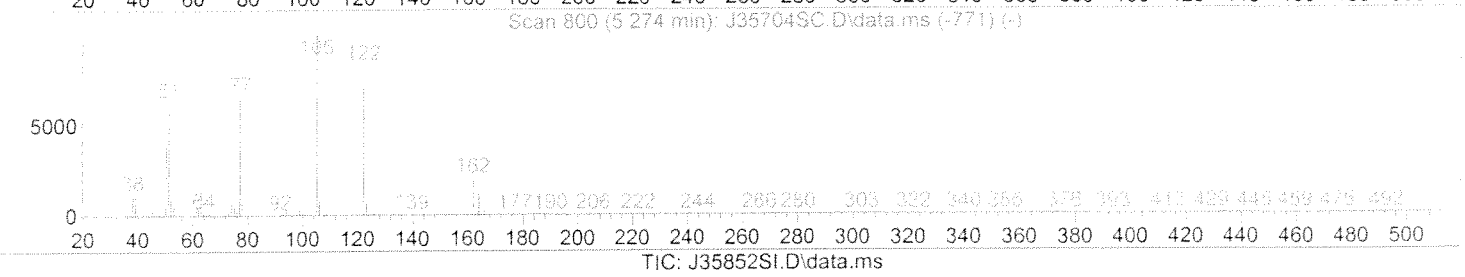
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

PN
9/23/10
MP







(27) Benzoic Acid (TM)

5.306min (+0.005) 15.40ug/ml

response 68020

Ion	Exp%	Act%
105.00	100	100
122.00	0.00	422.29#
0.00	0.00	0.00
0.00	0.00	0.00

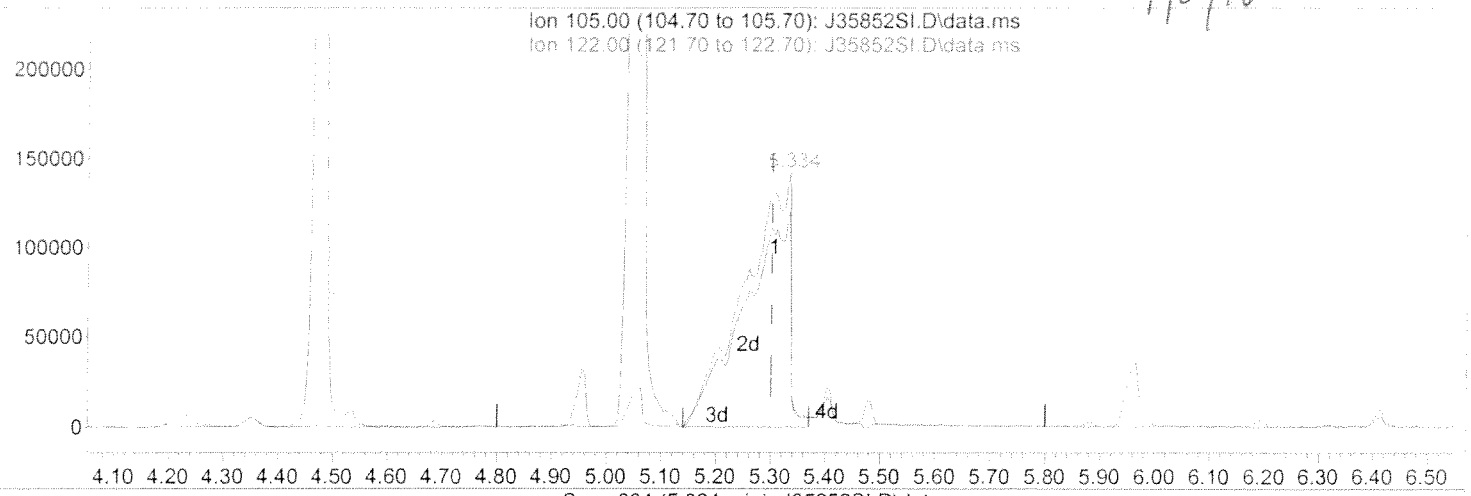
092710

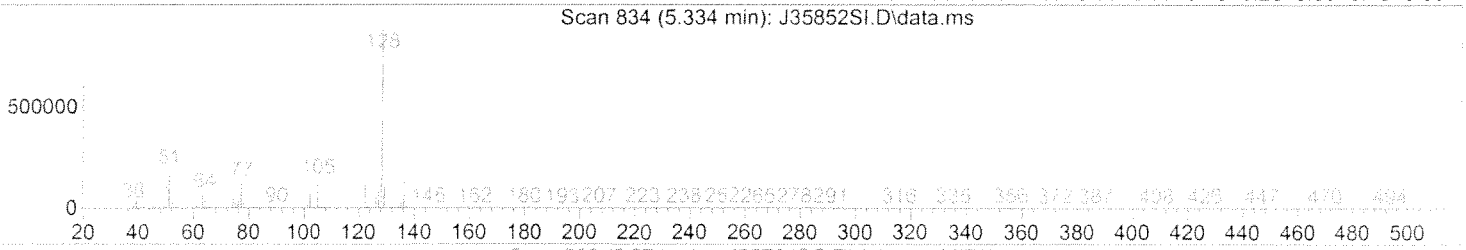
Quantitation Report (Qedit)

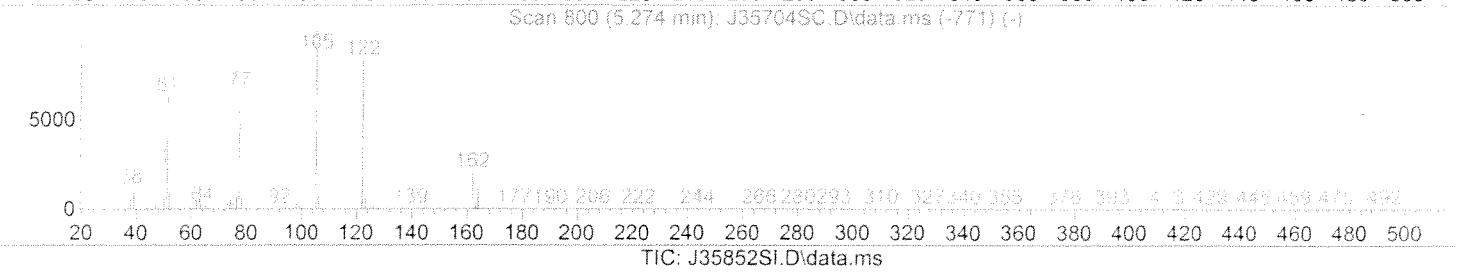
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

9/23/10







(27) Benzoic Acid (TM)

5.334min (+0.033) 93.83ug/ml m

response 823752

Ion	Exp%	Act%
105.00	100	100
122.00	0.00	34.87#
0.00	0.00	0.00
0.00	0.00	0.00

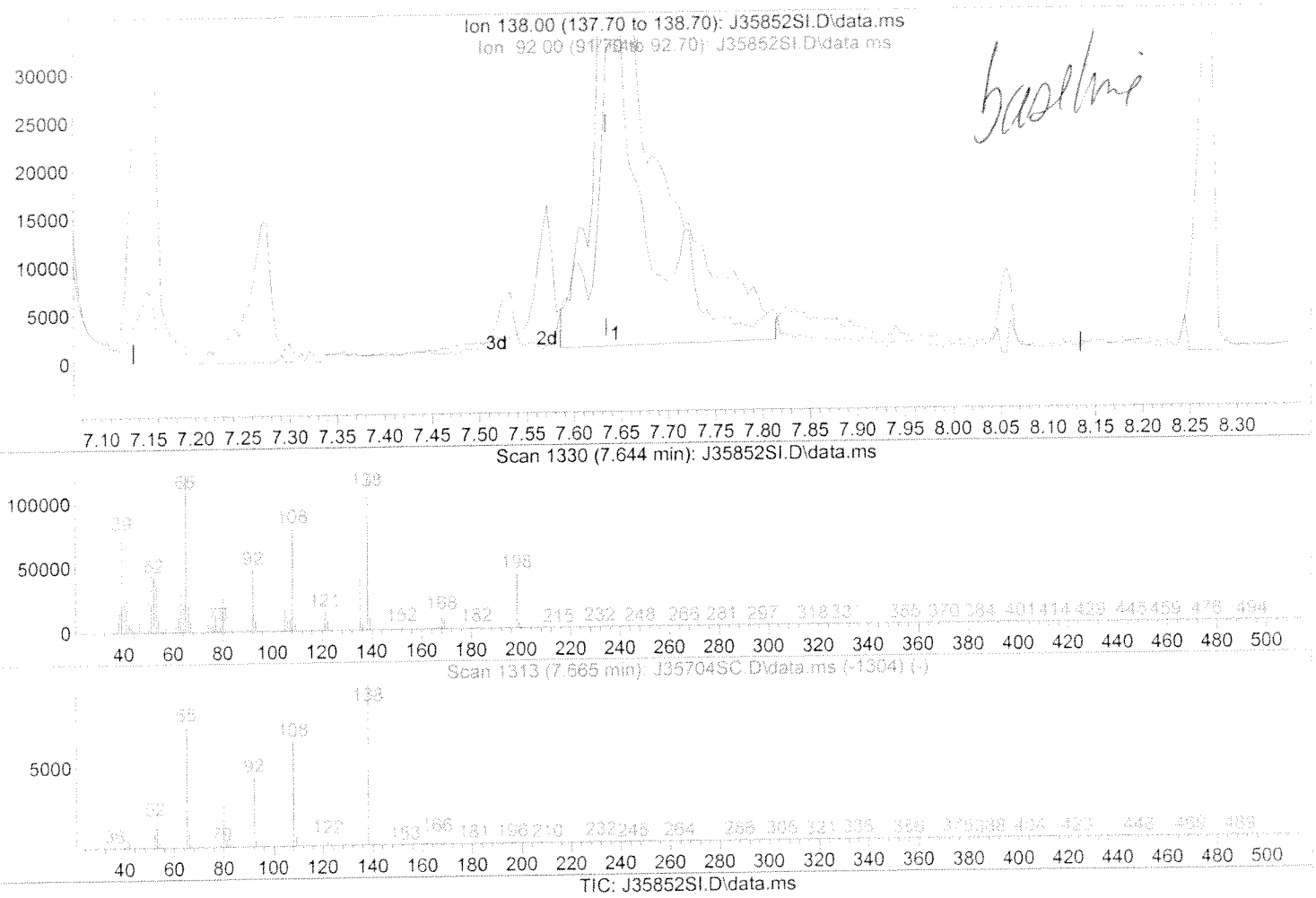
39270

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

MV
9/17/10



baseline

(55) 4-Nitroaniline (TM)

7.644min (+0.010) 50.34ug/ml

response 288153

Ion	Exp%	Act%
138.00	100	100
92.00	25.30	26.58
0.00	0.00	0.00
0.00	0.00	0.00

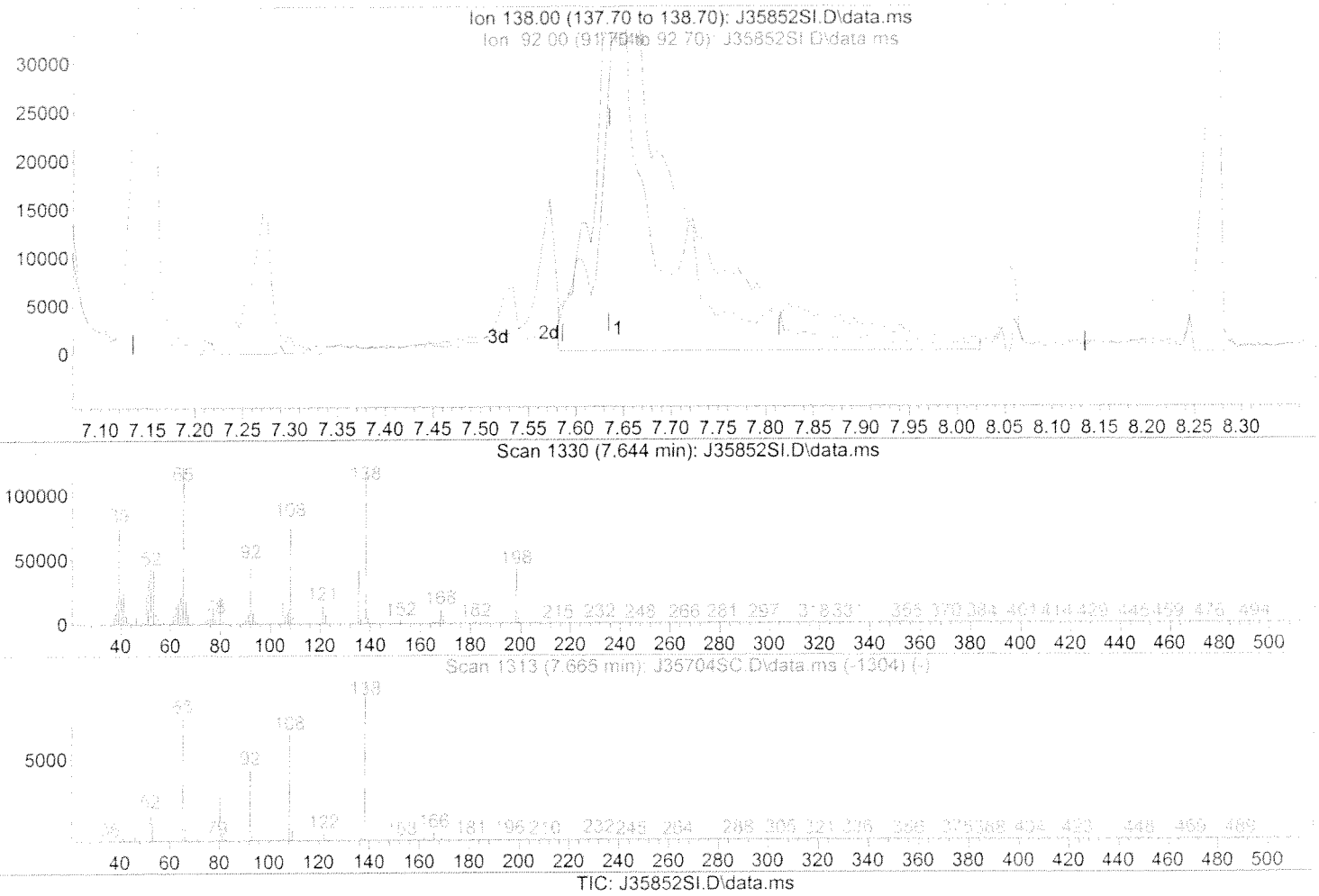
39270

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

9/27/10



(55) 4-Nitroaniline (TM)

7.644min (+0.010) 57.91ug/ml m

response 334787

Ion	Exp%	Act%
138.00	100	100
92.00	25.30	22.87
0.00	0.00	0.00
0.00	0.00	0.00

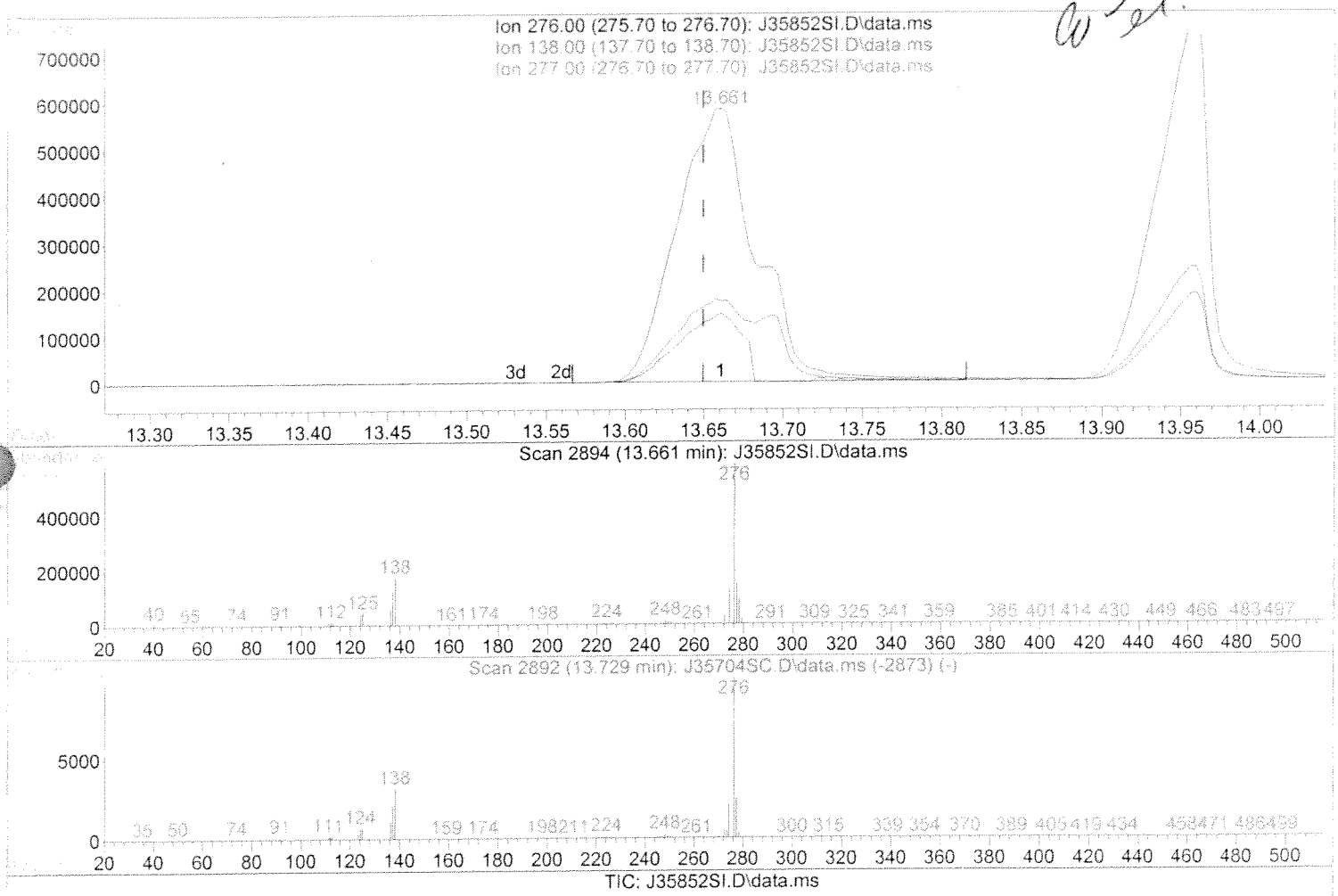
59270

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

9/27/10



(84) Indeno [1,2,3-cd] pyrene (TM)

13.661min (+0.011) 66.76ug/ml

response 2039222

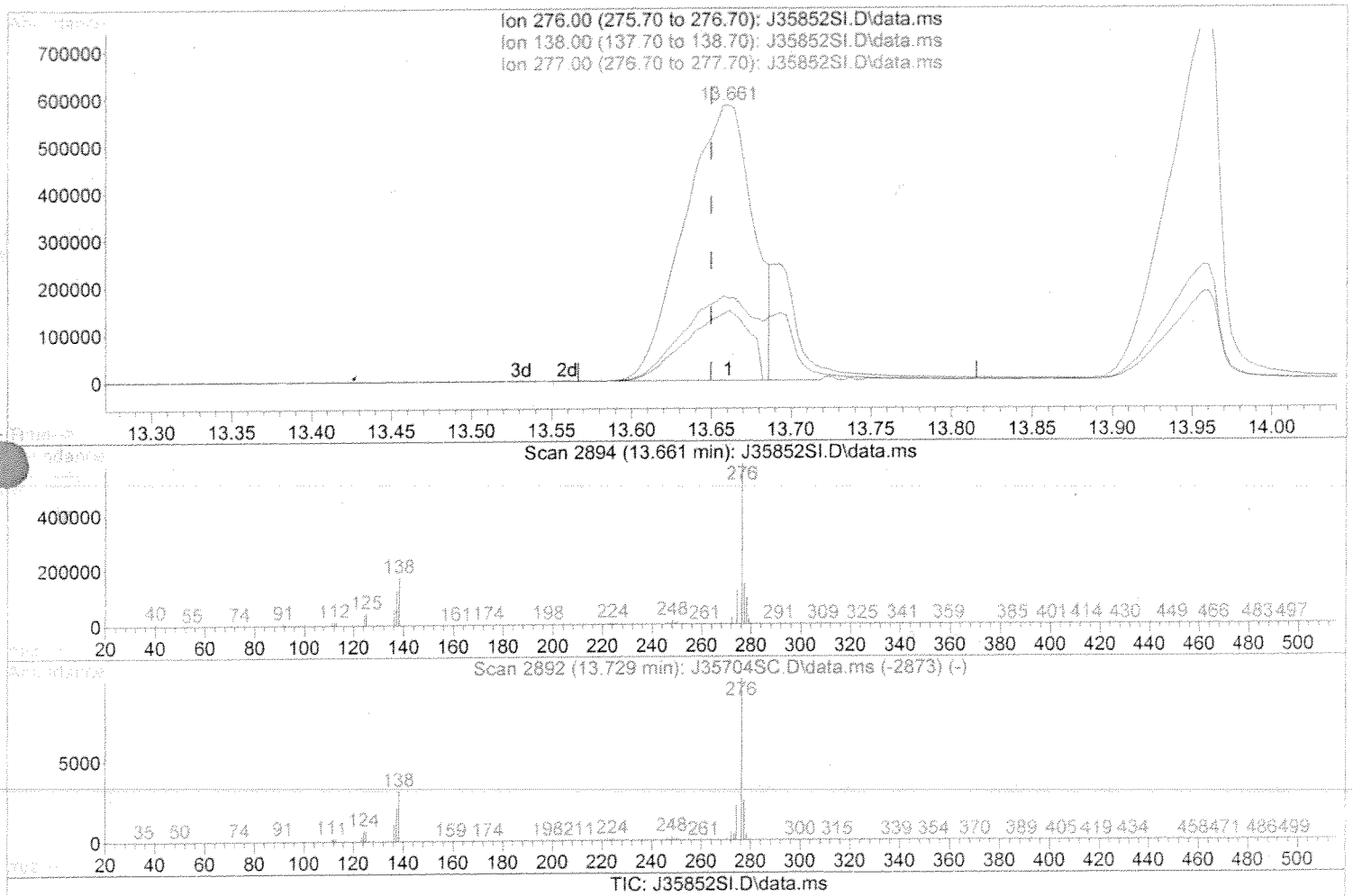
Ion	Exp%	Act%
276.00	100	100
138.00	29.40	36.23#
277.00	23.40	19.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 18 04:49:43 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:49:38 2010
Response via : Initial Calibration

OK 9/23/10



(84) Indeno [1,2,3-cd] pyrene (TM)

13.661min (+0.011) 57.03ug/ml m

response 1745087

Ion	Exp%	Act%
276.00	100	100
138.00	29.40	42.34#
277.00	23.40	23.16
0.00	0.00	0.00

D927W

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:57:52 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.033	152	416986	40.00	ug/ml	0.00
19) d8-Naphthalene	5.329	136	1280463	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.043	164	731503	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.474	188	1175403	40.00	ug/ml	0.00
71) d12-Chrysene	11.018	240	1079202	40.00	ug/ml	0.00
79) d12-Perylene	12.482	264	1111750	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.705	112	2292569	185.27	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 247.03%#			
5) d5-Phenol	3.757	99	2498109	172.54	ug/ml	0.02
Spiked Amount 75.000	Range 15 - 110		Recovery = 230.05%#			
20) d5-nitrobenzene	4.636	82	1899003	171.15	ug/ml	0.01
Spiked Amount 50.000	Range 40 - 110		Recovery = 342.30%#			
39) 2-Fluorobiphenyl	6.426	172	3438043	178.62	ug/ml	0.01
Spiked Amount 50.000	Range 50 - 110		Recovery = 357.24%#			
60) 2,4,6-Tribromophenol	7.824	330	714007	185.32	ug/ml	0.01
Spiked Amount 75.000	Range 40 - 110		Recovery = 247.09%#			
73) d14-p-terphenyl	10.041	244	3494890	163.67	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 327.34%#			

Target Compounds						Qvalue
2) Pyridine	1.536	79	1384207	98.12	ug/ml	97
3) N-nitrosodimethylamine	1.522	74	751465	100.27	ug/ml	97
6) Aniline	3.720	93	1749095	89.99	ug/ml#	78
7) Phenol	3.776	94	2532887	174.01	ug/ml#	89
8) 2-Chlorophenol	3.841	128	2221065	172.15	ug/ml	97
9) bis(2-chloroethyl) ether	3.823	63	1178889m	91.85	ug/ml	
10) 1,3-Dichlorobenzene	3.972	146	1478866	88.91	ug/ml	100
11) 1,4-Dichlorobenzene	4.052	146	1429369	88.74	ug/ml	99
12) 1,2-Dichlorobenzene	4.197	146	1449513	92.86	ug/ml	100
13) Benzyl Alcohol	4.258	108	753081	90.72	ug/ml	98
14) 2-Methylphenol	4.370	108	1724718	166.60	ug/ml	98
15) bis(2-chloroisopropyl)...	4.351	45	1859056	101.36	ug/ml	98
16) 3+4-Methylphenol	4.557	108	1739659	162.25	ug/ml	97
17) Hexachloroethane	4.534	117	442507	Below Cal		99
18) N-nitroso-di-n-propyla...	4.571	70	568512m	86.25	ug/ml	
21) Nitrobenzene	4.655	123	529179	89.64	ug/ml	96
22) Isophorone	4.978	82	1814005m	88.48	ug/ml	
23) 2-Nitrophenol	4.969	139	1237912	195.44	ug/ml	99
24) 2,4-Dimethylphenol	5.076	107	2040316	174.87	ug/ml	99
25) Bis(2-chloroethoxy)met...	5.156	93	1283809	94.37	ug/ml	98
26) 2,4-Dichlorophenol	5.230	162	1824987	167.67	ug/ml	95

39270

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:57:52 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.390	105	1578047m	185.33 ug/ml	
28) 1,2,4-Trichlorobenzene	5.277	180	1147265	85.01 ug/ml	100
29) Naphthalene	5.352	128	2839362	82.73 ug/ml	100
30) 2,6-Dichlorophenol	5.436	162	1602380	160.75 ug/ml	98
31) 4-Chloroaniline	5.450	127	1051759	92.63 ug/ml	97
32) Hexachlorobutadiene	5.488	225	655285	81.65 ug/ml	100
33) 4-Chloro-3-methylphenol	5.969	107	1595546	166.55 ug/ml	98
34) 2-Methylnaphthalene	6.036	141	1658705	78.32 ug/ml	100
36) Hexachlorocyclopentadiene	6.193	237	673837	102.30 ug/ml	99
37) 2,4,6-Trichlorophenol	6.350	196	1314202	168.45 ug/ml	98
38) 2,4,5-Trichlorophenol	6.399	196	1364582	155.66 ug/ml	98
40) 2-Chloronaphthalene	6.520	162	1648404	102.21 ug/ml	100
41) 2-Nitroaniline	6.646	138	891049	99.32 ug/ml	100
42) 2,6-Dinitrotoluene	6.897	165	507179	92.06 ug/ml	94
43) Dimethyl Phthalate	6.853	163	2294547	80.14 ug/ml	100
44) Acenaphthylene	6.907	152	2649009	75.35 ug/ml	99
45) 3-Nitroaniline	7.067	138	453267m	87.17 ug/ml	
46) Acenaphthene	7.081	153	1706938	76.52 ug/ml	99
47) 2,4-dinitrophenol	7.174	184	758090	214.71 ug/ml	99
48) Dibenzofuran	7.251	168	2775968	79.89 ug/ml	98
49) 4-Nitrophenol	7.305	109	547789	195.20 ug/ml	97
50) 2,4-Dinitrotoluene	7.290	165	652948	96.33 ug/ml#	75
51) 2,3,4,6-Tetrachlorophenol	7.392	232	1219567	176.24 ug/ml	99
52) Fluorene	7.581	166	1996421	75.66 ug/ml	99
53) Diethyl Phthalate	7.547	149	2036376	75.61 ug/ml	100
54) 4-Chlorophenyl phenyl ...	7.596	204	950639	104.53 ug/ml	98
55) 4-Nitroaniline	7.678	138	527130m	100.44 ug/ml	
56) 4,6-Dinitro-2-methylph...	7.698	198	927398	202.00 ug/ml	98
57) n-nitrosodiphenylamine	7.736	169	1466938	75.95 ug/ml	91
58) Azobenzene	7.756	77	1788925	78.08 ug/ml#	85
59) Biphenyl	6.511	154	1856284	105.99 ug/ml	99
62) 4-bromophenyl phenyl e...	8.064	248	687545	85.04 ug/ml	99
63) Hexachlorobenzene	8.105	284	738730	89.73 ug/ml	98
64) Pentachlorophenol	8.316	266	959724	188.20 ug/ml	98
65) Phenanthrene	8.501	178	2970179	84.98 ug/ml	100
66) Anthracene	8.551	178	2897972	80.23 ug/ml	100
67) Carbazole	8.717	167	1965998	99.91 ug/ml	99
68) Di-n-butyl phthalate	9.100	149	3533433	82.77 ug/ml	100
69) Fluoranthene	9.637	202	3100530	78.66 ug/ml	100
70) Benzidine	9.799	184	484422	79.98 ug/ml	98
72) Pyrene	9.850	202	3263526	89.60 ug/ml	100
74) Butyl benzyl phthalate	10.535	149	1608016	95.42 ug/ml	99
75) Benzo[a]anthracene	10.999	228	2860586	96.53 ug/ml	100

DGTW

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:57:52 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.049	228	2804202	89.23 ug/ml	100
77) 3,3'-Dichlorobenzidine	11.015	252	701528	108.29 ug/ml	99
78) Bis (2-ethylhexyl) pht...	11.109	149	2031642	94.81 ug/ml	100
80) di-n-octyl-phthalate	11.768	149	3656659	96.11 ug/ml	99
81) Benzo[b] fluoranthene	12.100	252	3734051	119.94 ug/ml	99
82) Benzo[k] fluoranthene	12.125	252	2002183m	81.42 ug/ml	
83) Benzo[a] pyrene	12.432	252	2893182	90.99 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	13.686	276	2634081m	103.19 ug/ml	
85) Dibenz [a,h] anthracene	13.715	278	2413756	99.45 ug/ml	99
86) Benzo(g,h,i) perylene	13.978	276	2470288	90.21 ug/ml	100

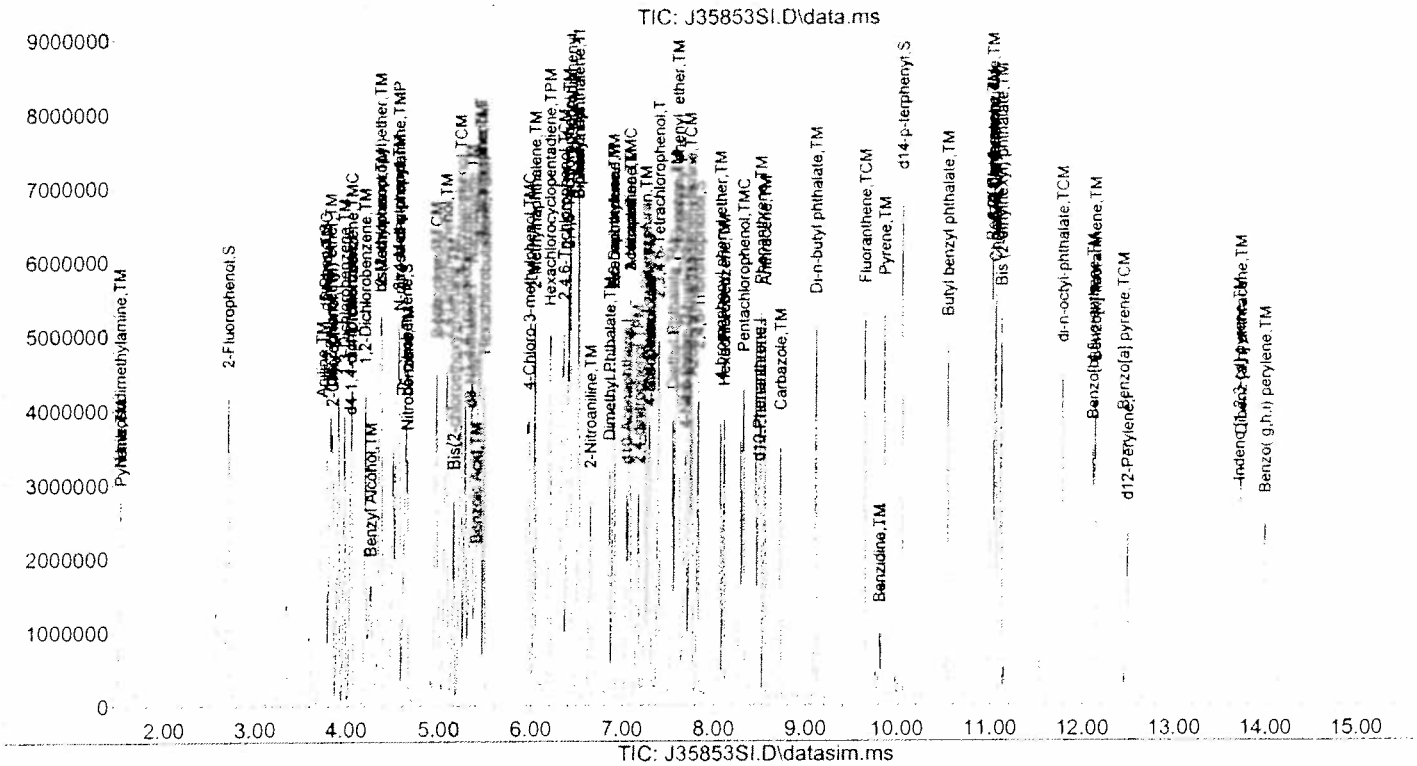
(#) = qualifier out of range (m) = manual integration (+) = signals summed

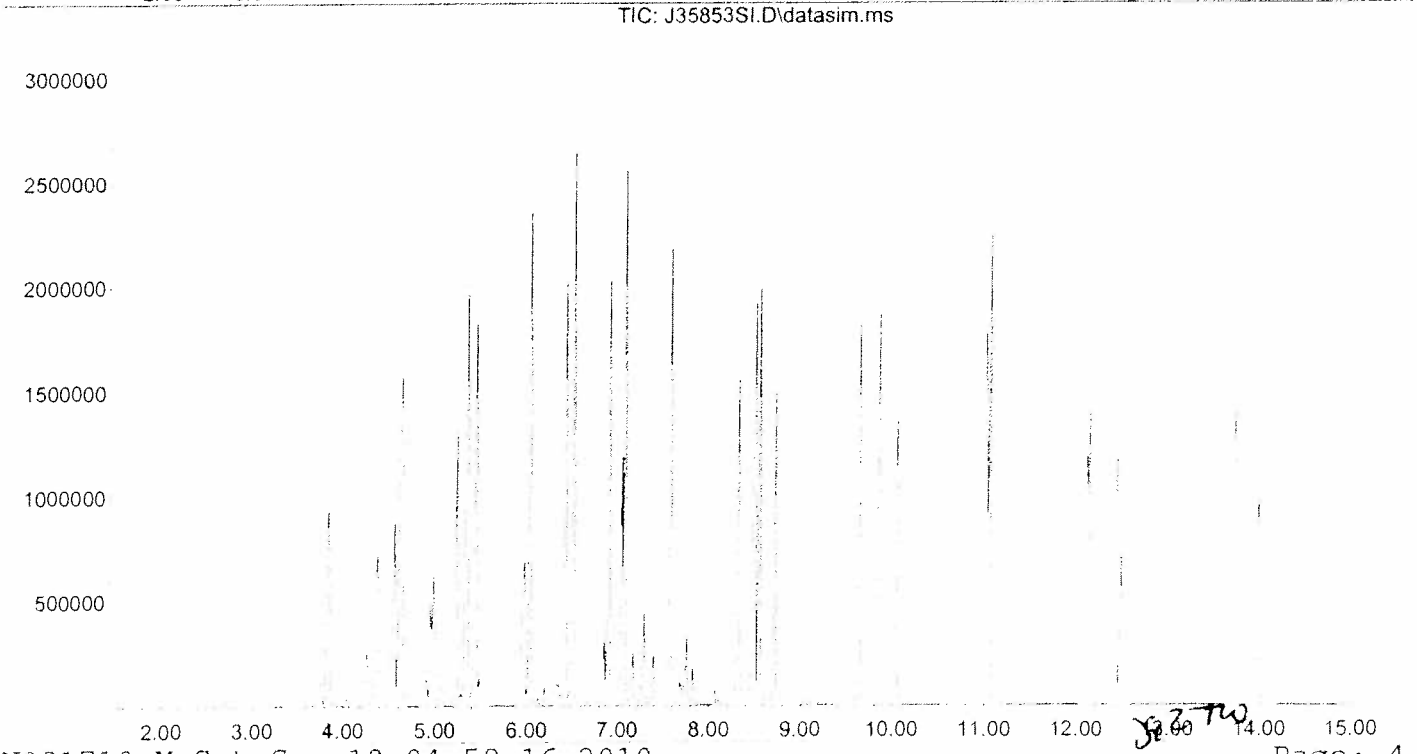
J42740

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:57:52 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

PN
9/23/10



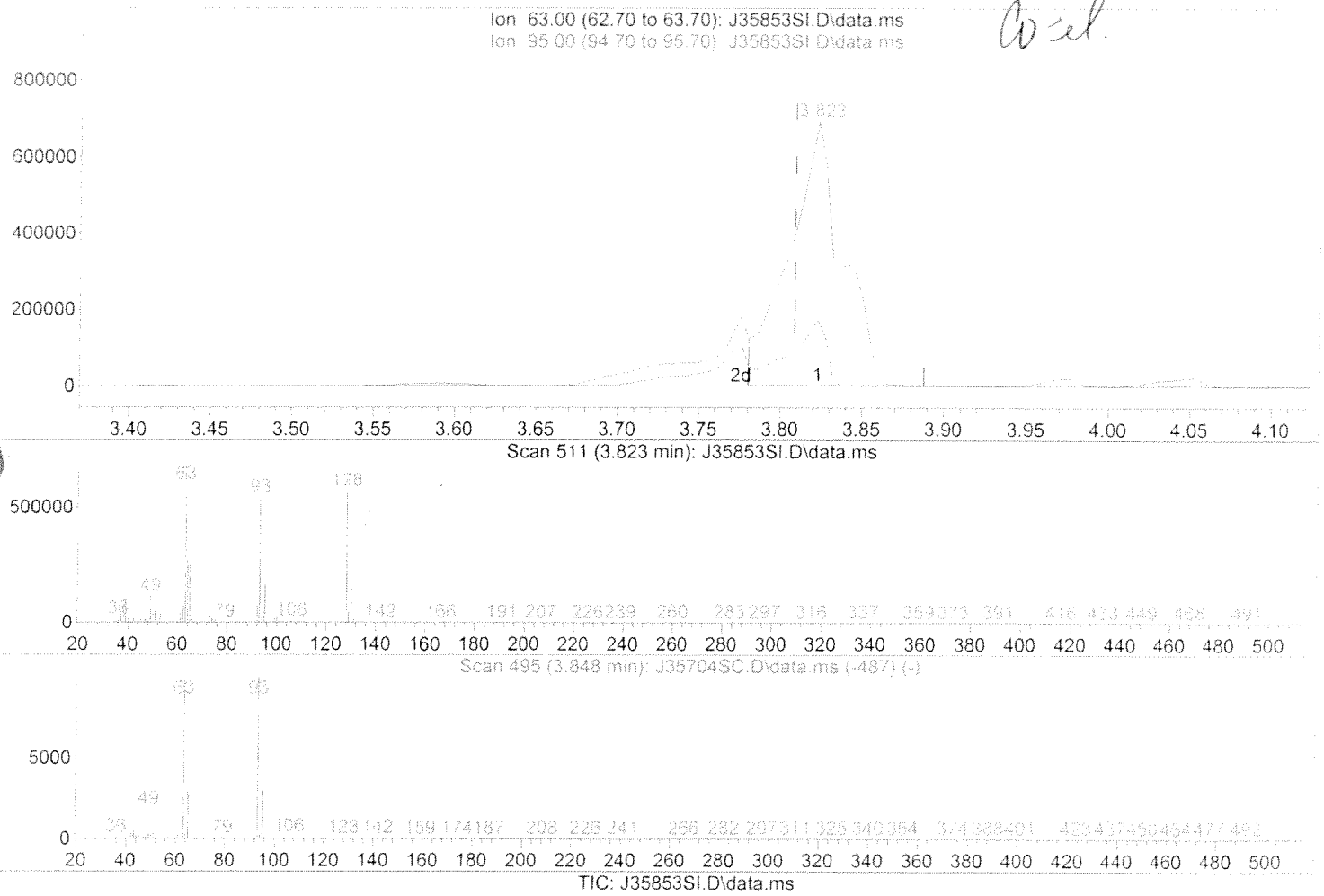


ABN091710.M Sat Sep 18 04:59:16 2010 Page: 4

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:53:50 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MC
9/23/10
Co-el.



59270

(9) bis(2-chloroethyl) ether (TM)

3.823min (+0.014) 118.87ug/ml

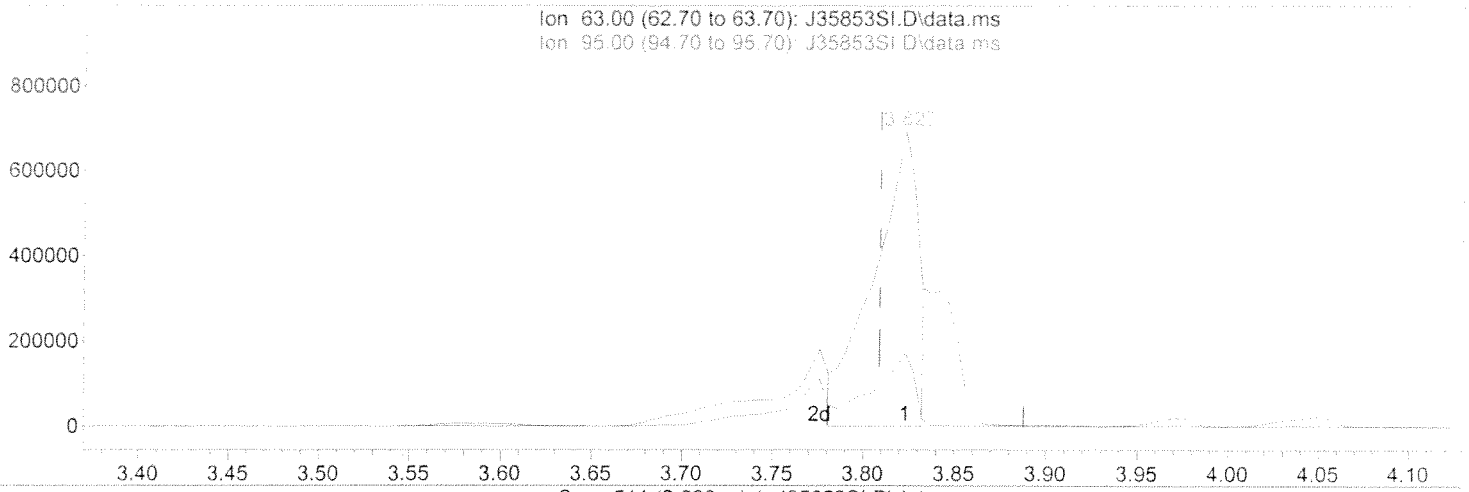
response 1525755

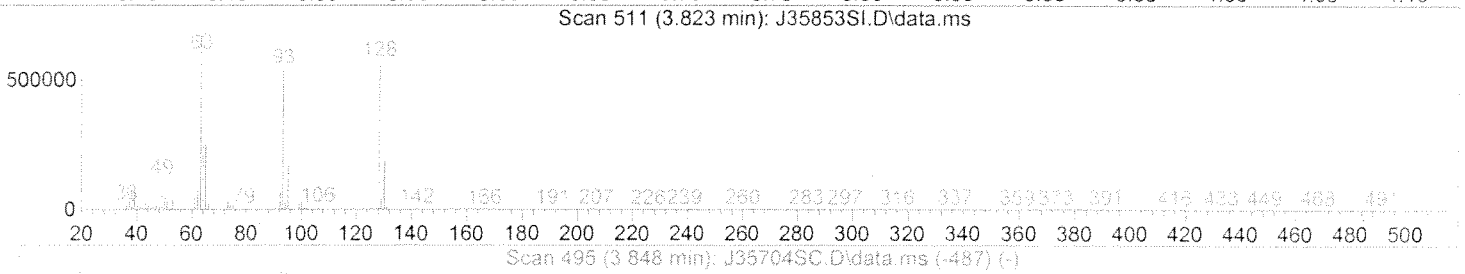
Ion	Exp%	Act%
63.00	100	100
95.00	24.80	17.04#
0.00	0.00	0.00
0.00	0.00	0.00

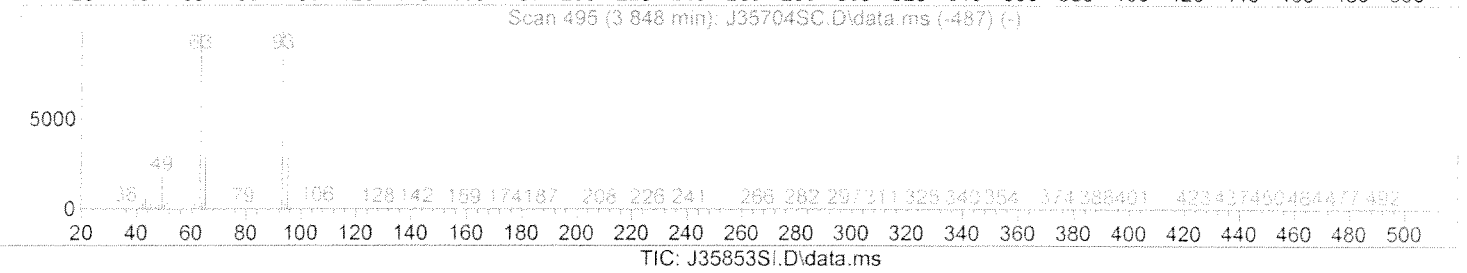
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:53:50 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/23/10







(9) bis(2-chloroethyl) ether (TM)

3.823min (+0.014) 91.85ug/ml m

response 1178889

Ion	Exp%	Act%
63.00	100	100
95.00	24.80	22.06
0.00	0.00	0.00
0.00	0.00	0.00

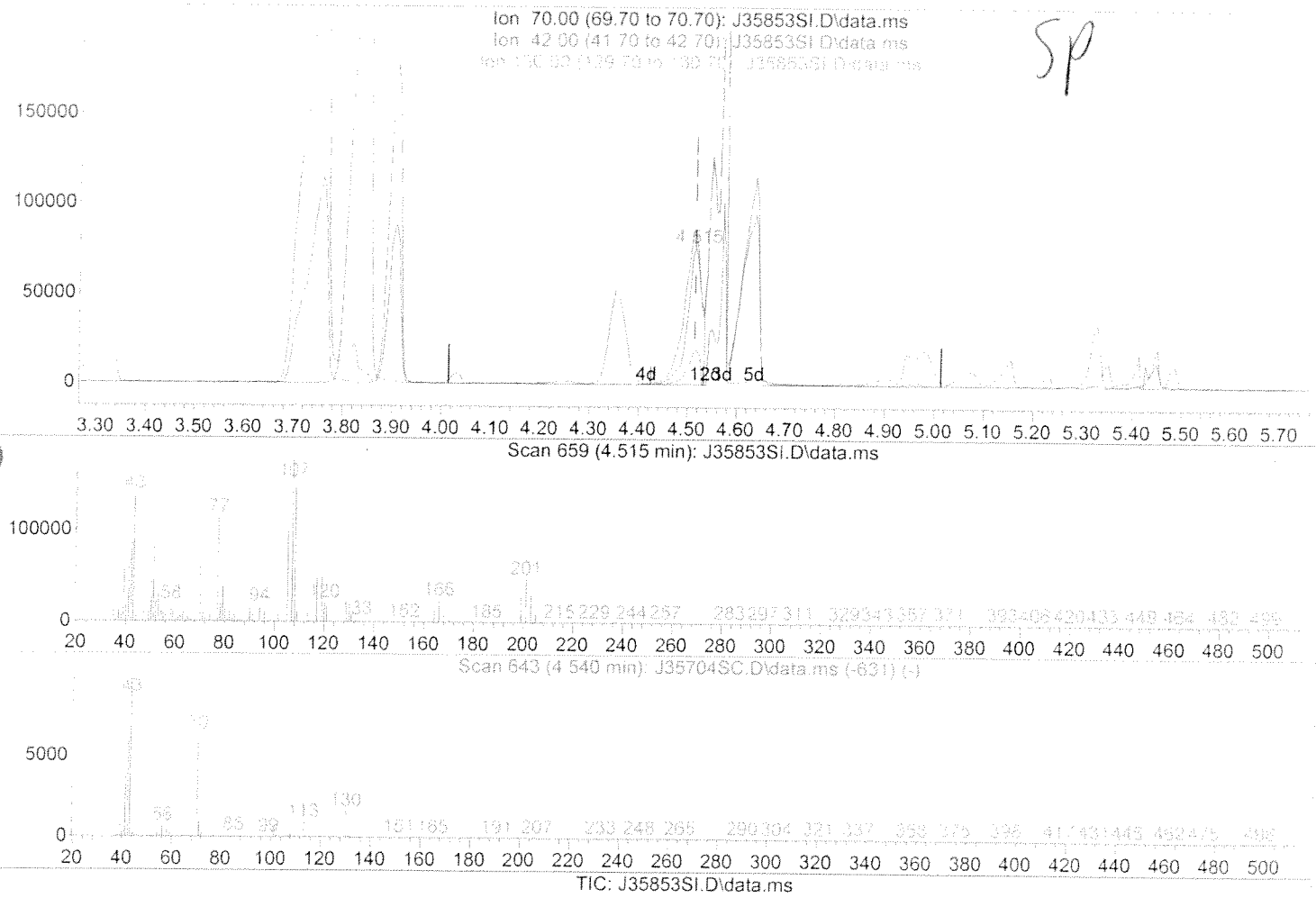
092710

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:53:50 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MV 9/23/10

SP



(18) N-nitroso-di-n-propylamine (TMP)

4.515min (-0.000) 24.14ug/ml

response 159127

Ion	Exp%	Act%
70.00	100	100
42.00	101.40	130.18#
130.00	20.50	21.69
0.00	0.00	0.00

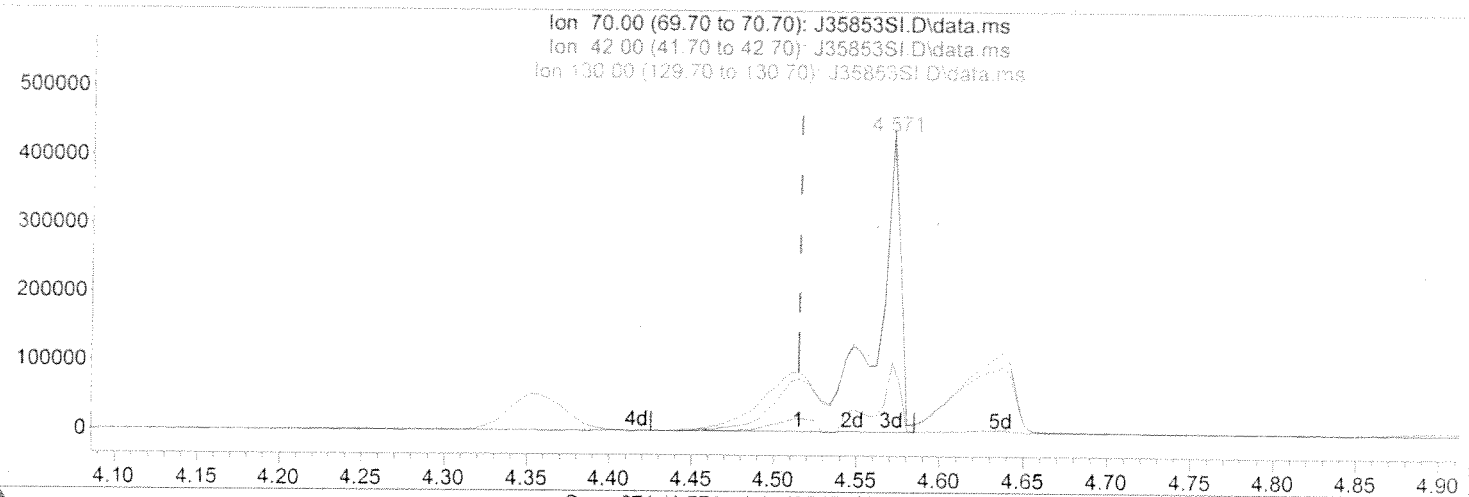
J9270

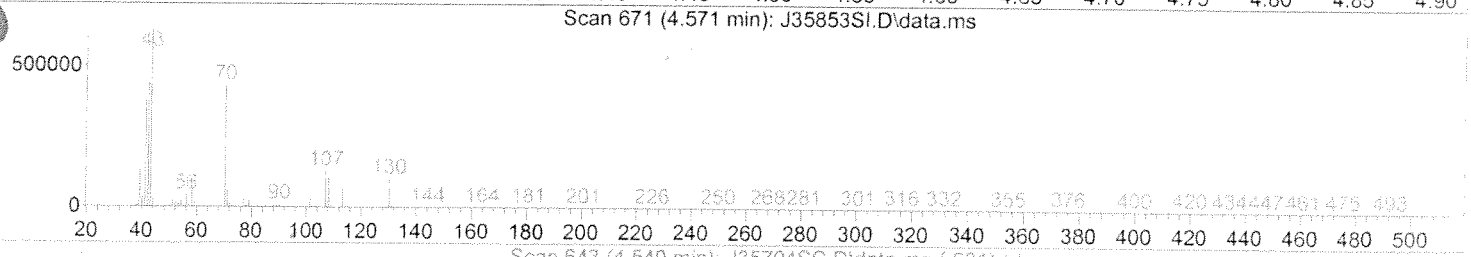
Quantitation Report (Qedit)

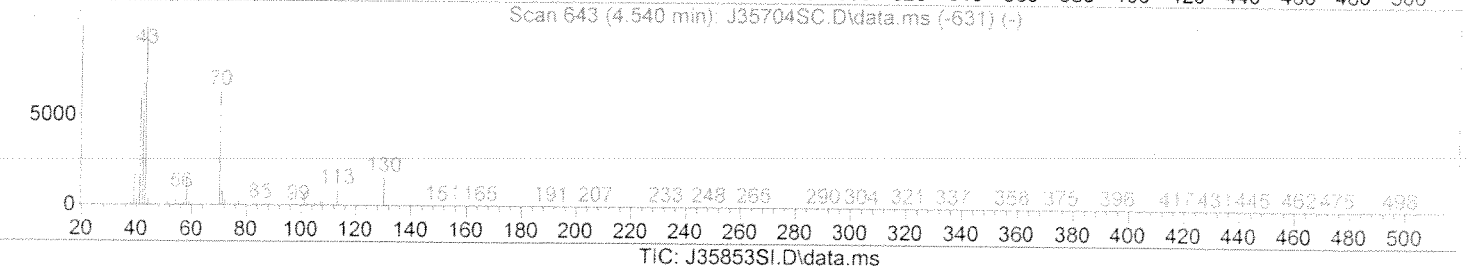
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MV 9/23/10







TIC: J35853SI.D\data.ms

(18) N-nitroso-di-n-propylamine (TMP)

4.571min (+0.056) 86.25ug/ml m

response 568512

Ion	Exp%	Act%
70.00	100	100
42.00	101.40	36.44#
130.00	20.50	6.07#
0.00	0.00	0.00

SYZW

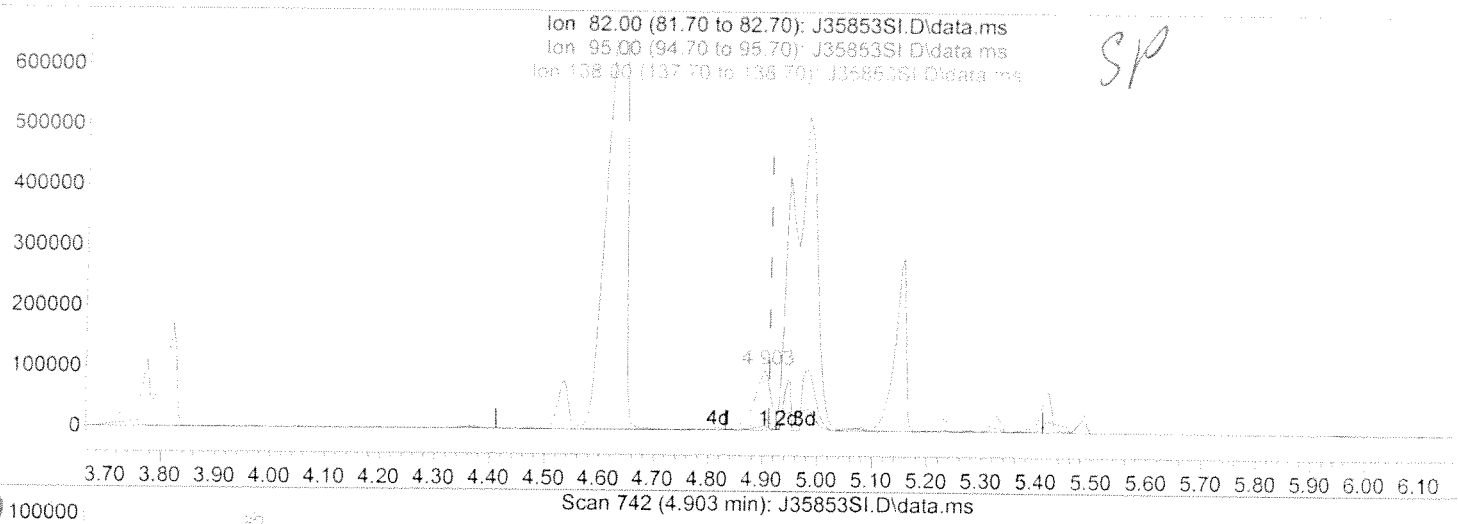
Quantitation Report (Qedit)

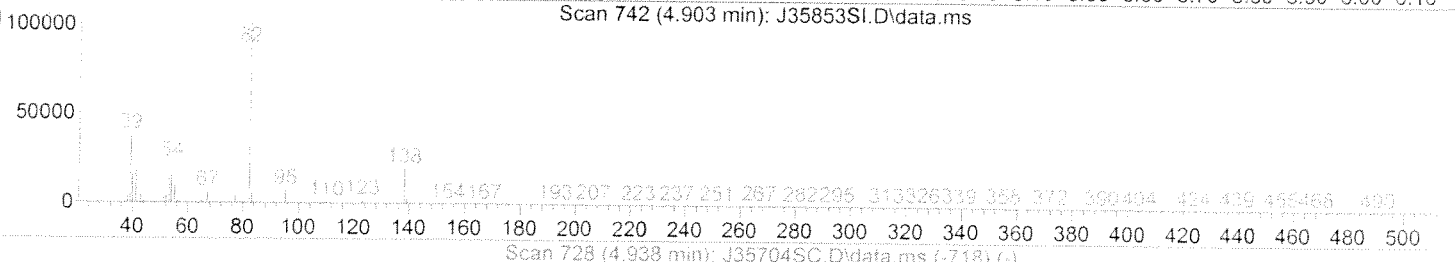
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

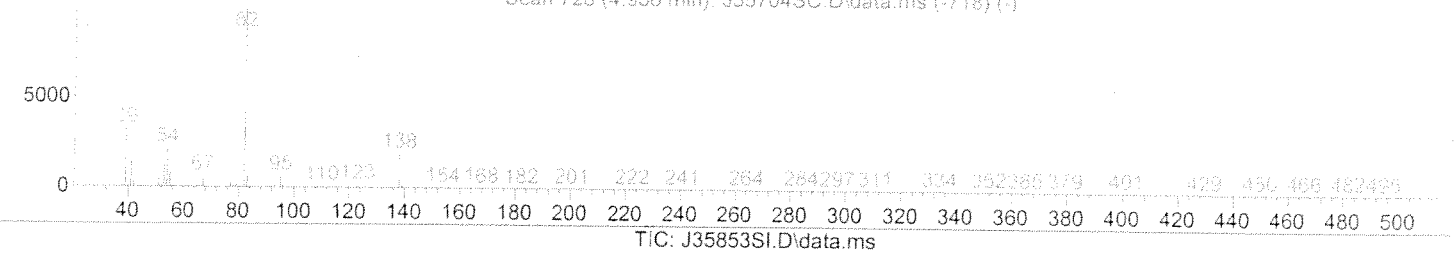
Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/03/10

SP







(22) Isophorone (TM)

4.903min (-0.010) 10.52ug/ml

response 215589

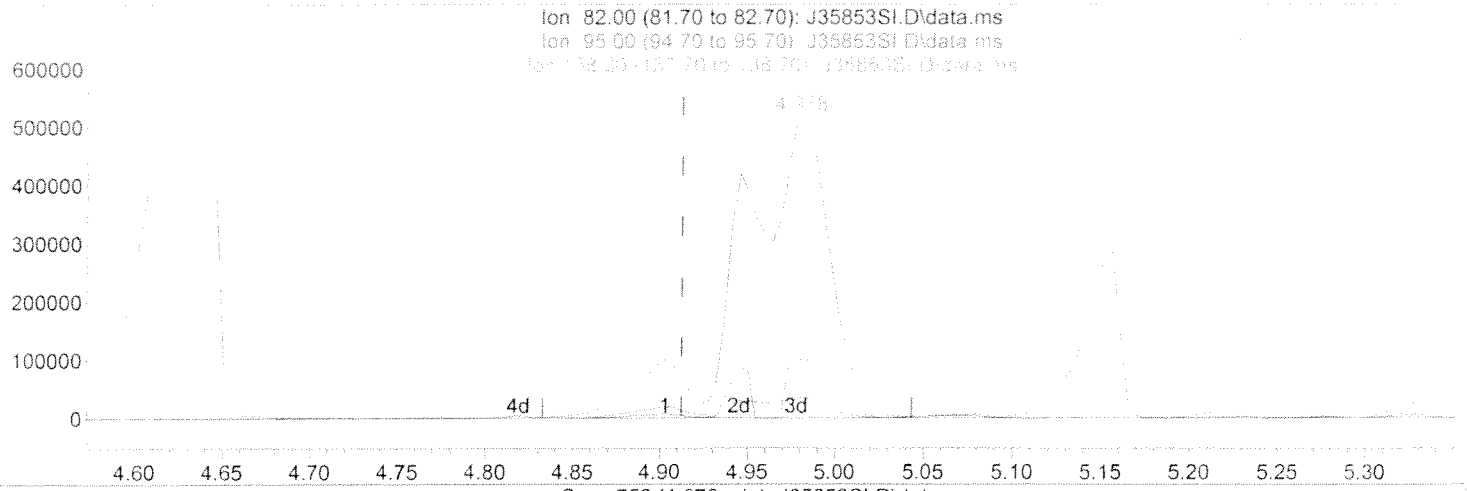
34270

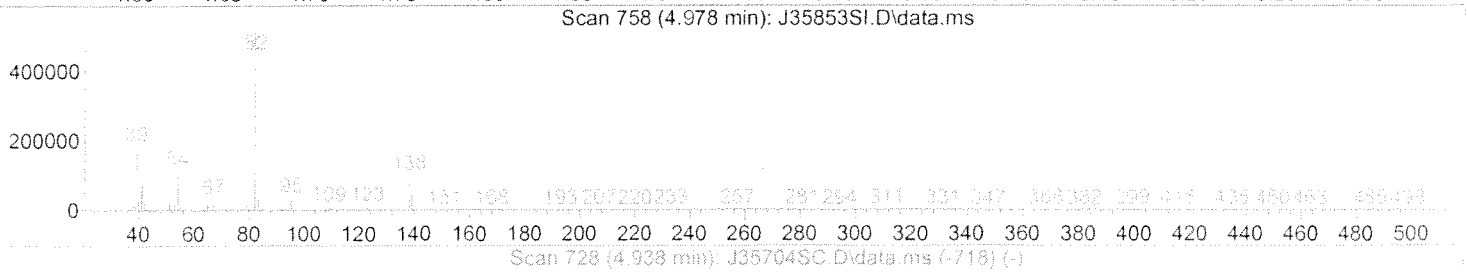
Ion	Exp%	Act%
82.00	100	100
95.00	7.00	6.92
138.00	17.40	20.58
0.00	0.00	0.00

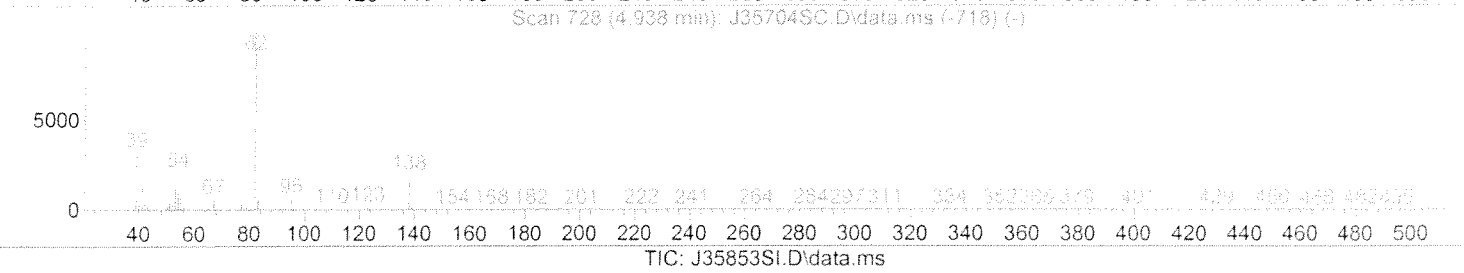
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/23/10







TIC: J35853SI.D\data.ms

(22) Isophorone (TM)

4.978min (+0.065) 88.48ug/ml m

response 1814005

Ion	Exp%	Act%
82.00	100	100
95.00	7.00	0.82#
138.00	17.40	2.45#
0.00	0.00	0.00

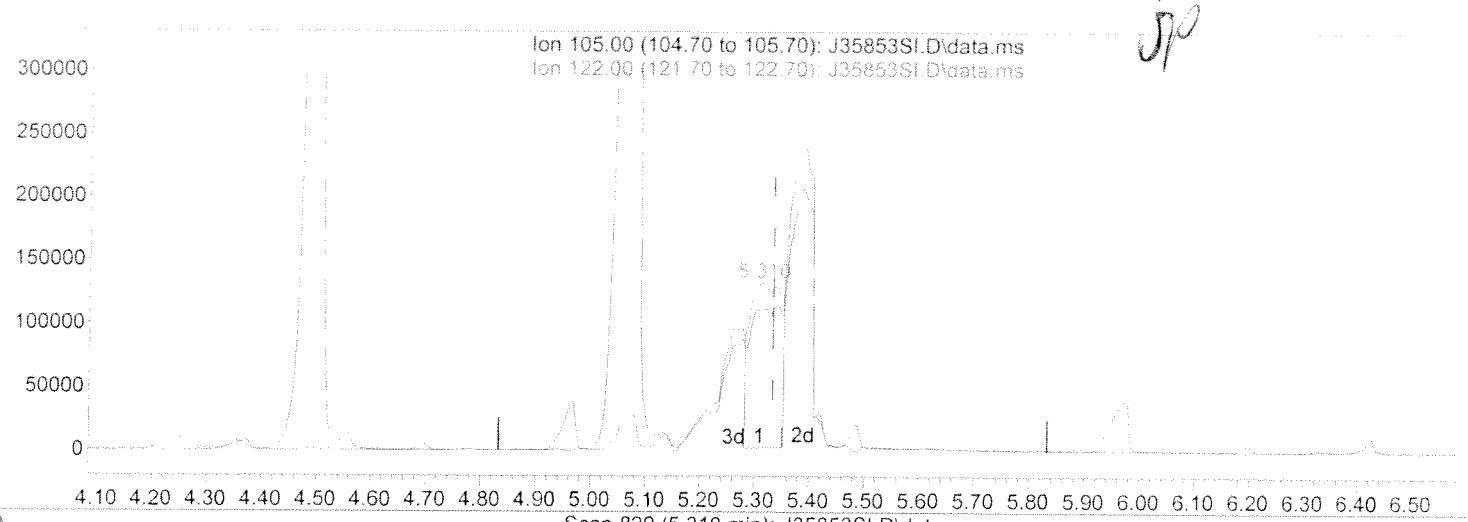
34240

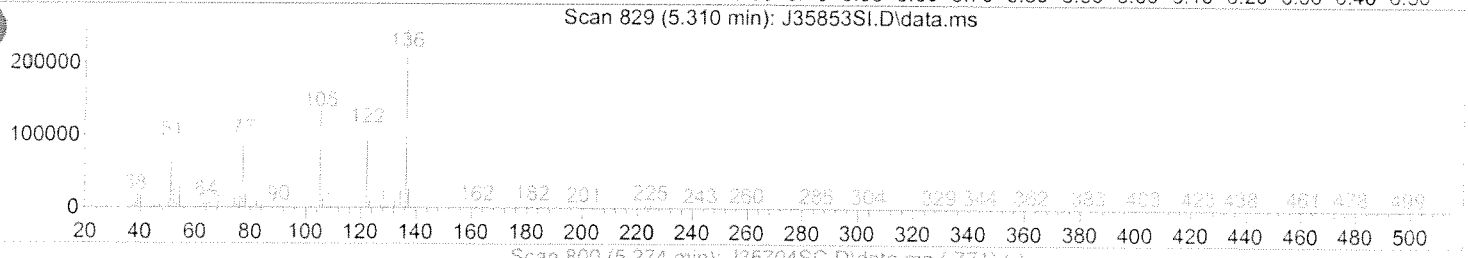
Quantitation Report (Qedit)

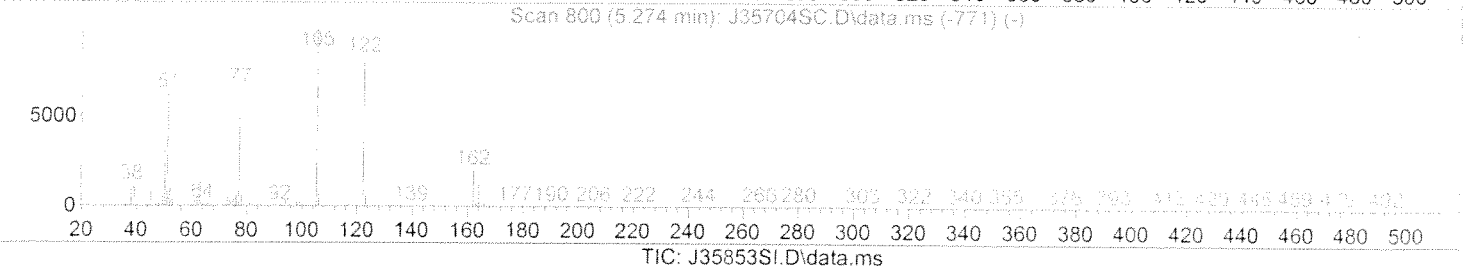
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MN
9/23/10
JP







(27) Benzoic Acid (TM)

5.310min (-0.024) 67.79ug/ml

response 510675

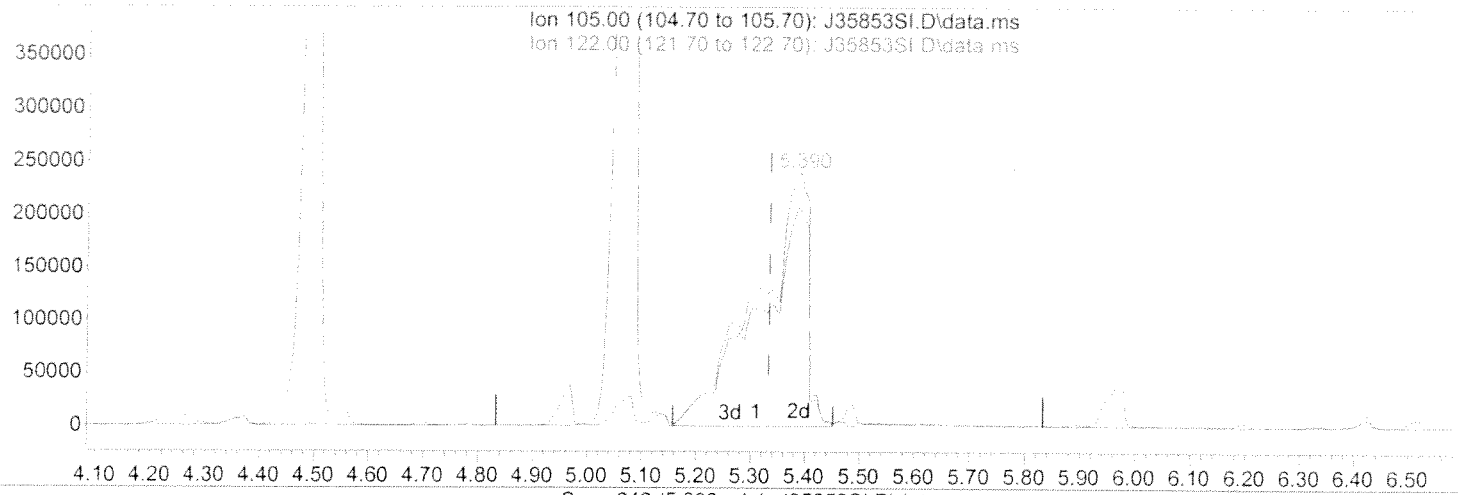
Ion	Exp%	Act%
105.00	100	100
122.00	34.90	83.13#
0.00	0.00	0.00
0.00	0.00	0.00

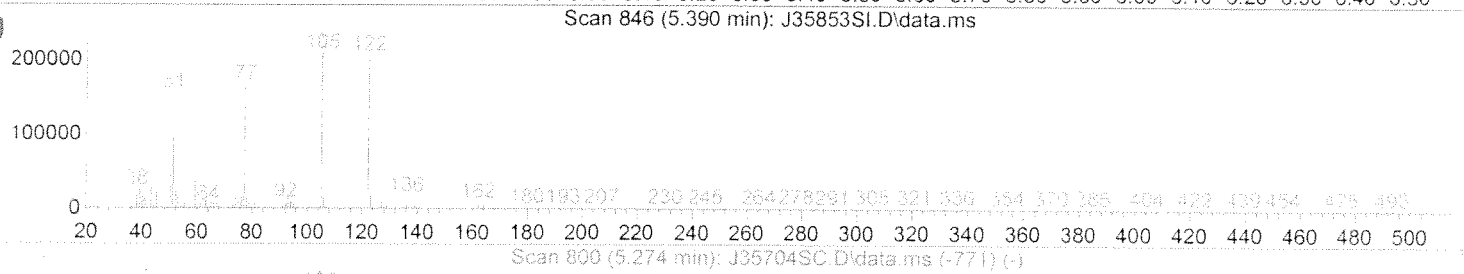
JP 9/20

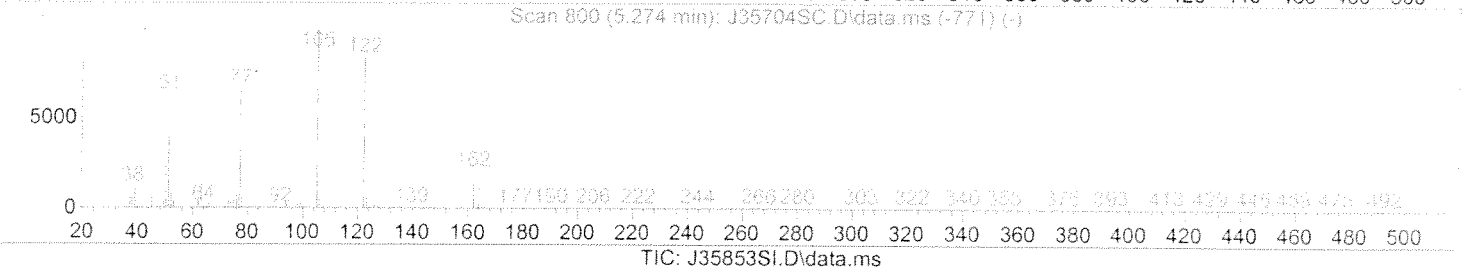
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MN 9/23/10







(27) Benzoic Acid (TM)

5.390min (+0.056) 185.33ug/ml m

response 1578047

Ion	Exp%	Act%
105.00	100	100
122.00	34.90	26.90#
0.00	0.00	0.00
0.00	0.00	0.00

DRZTW

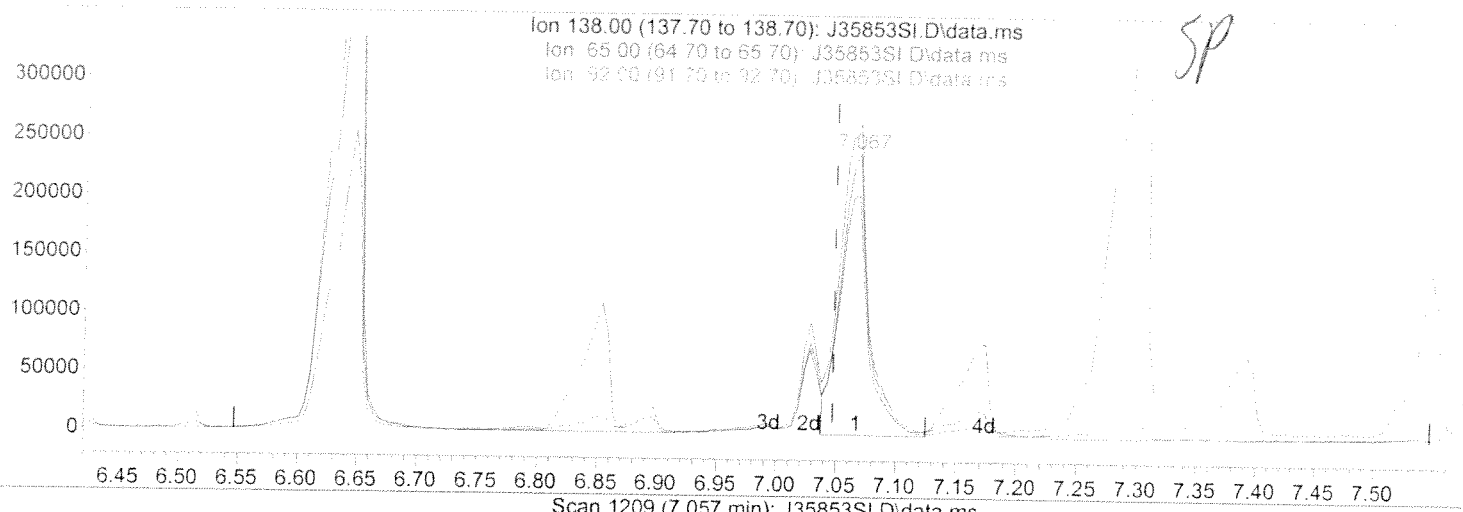
Quantitation Report (Qedit)

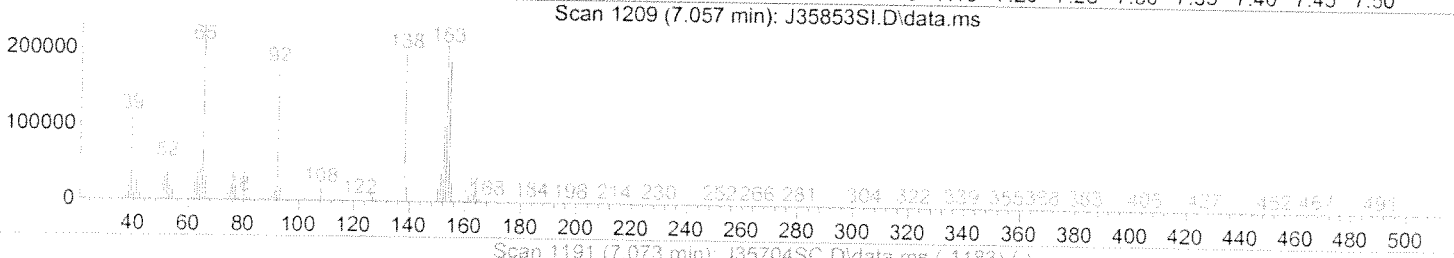
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

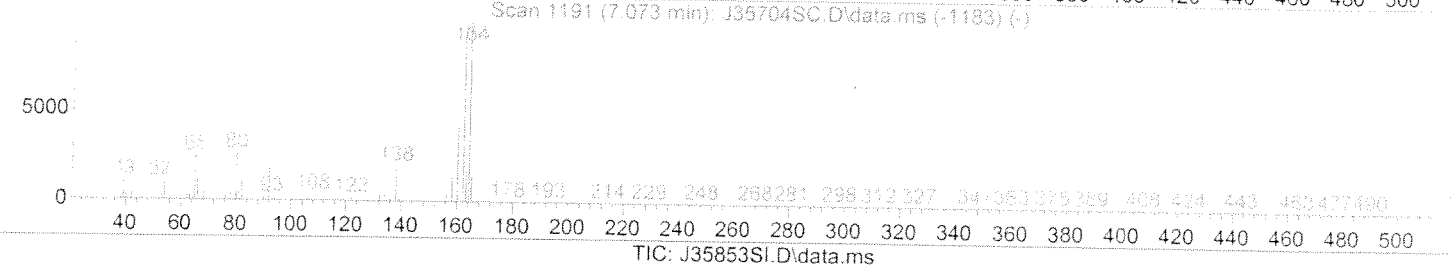
Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MV 9/23/10

SP







(45) 3-Nitroaniline (TM)

7.067min (+0.019) 74.09ug/ml

response 385244

Ion	Exp%	Act%
138.00	100	100
65.00	119.80	111.86
92.00	90.50	86.78
0.00	0.00	0.00

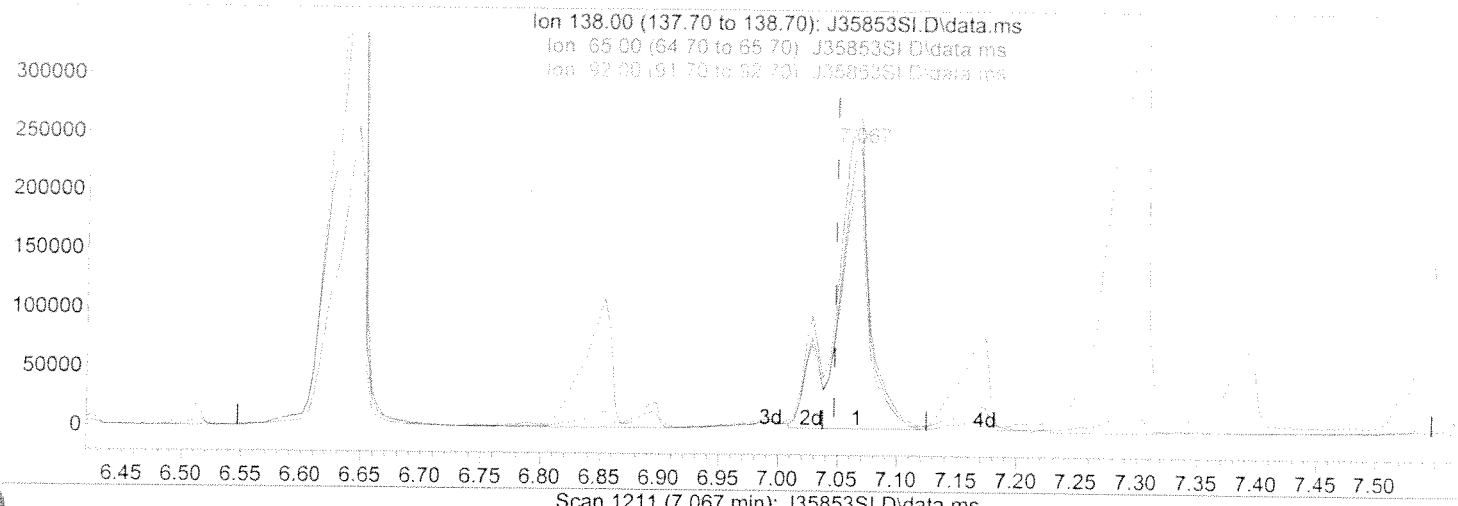
392710

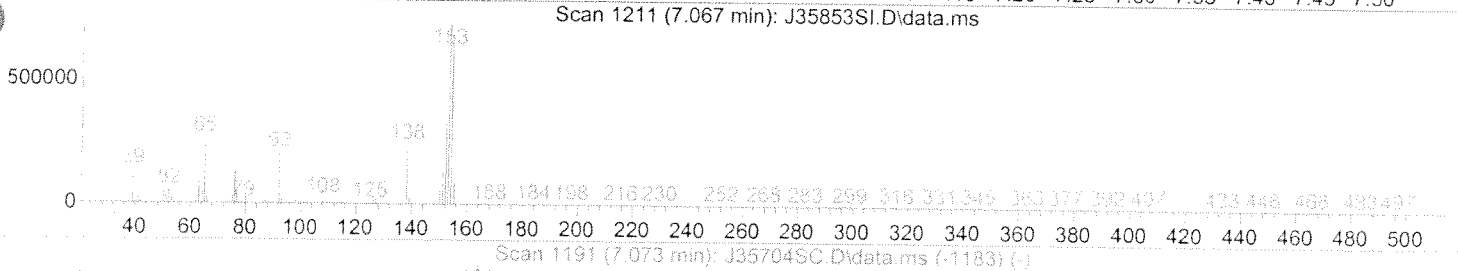
Quantitation Report (Qedit)

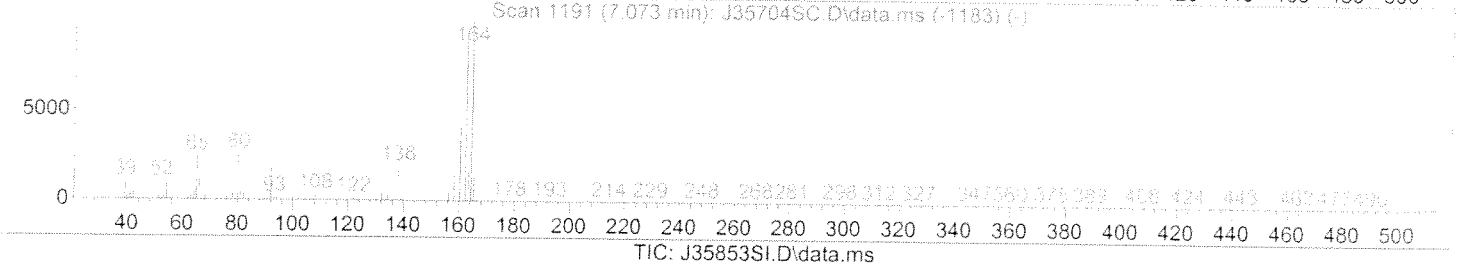
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/23/10







TIC: J35853SI.D\data.ms

(45) 3-Nitroaniline (TM)

7.067min (+0.019) 87.17ug/ml m

response 453267

Ion	Exp%	Act%
138.00	100	100
65.00	119.80	95.07#
92.00	90.50	73.76
0.00	0.00	0.00

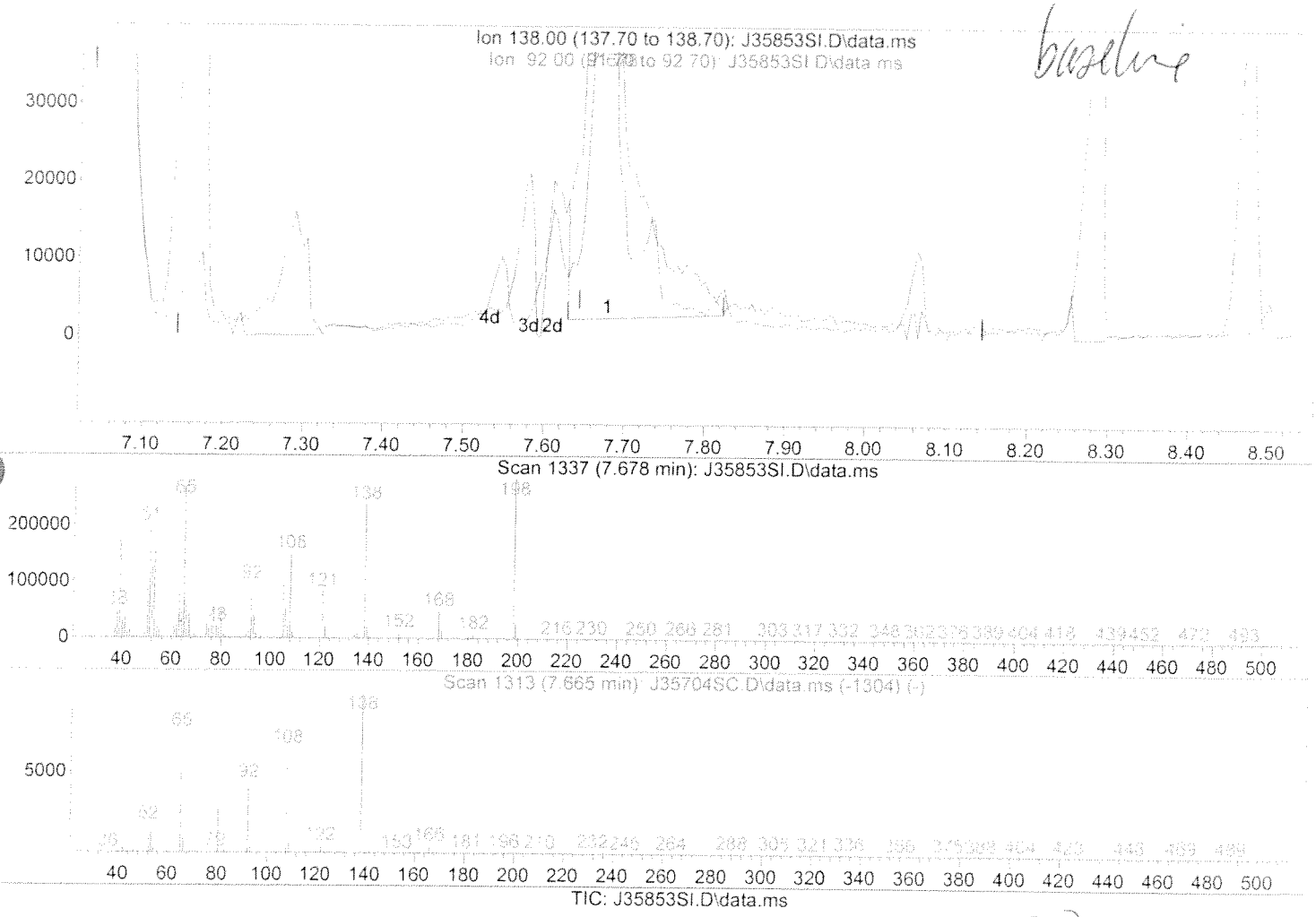
34270

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MW 9/23/10

baseline



342TW

(55) 4-Nitroaniline (TM)

7.678min (+0.034) 83.89ug/ml

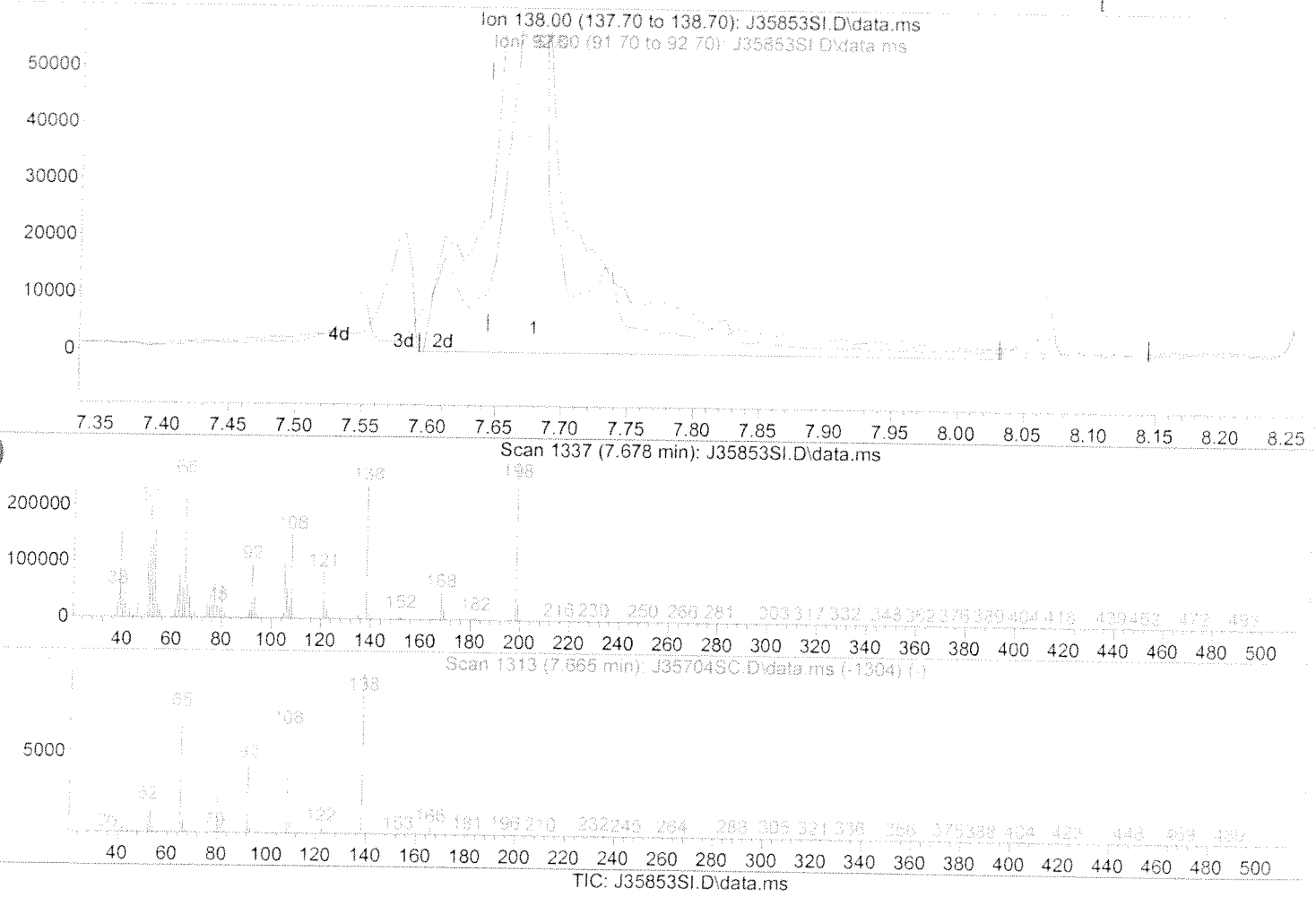
response 435056

Ion	Exp%	Act%
138.00	100	100
92.00	22.90	30.19#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/23/10



D42DW

(55) 4-Nitroaniline (TM)

7.678min (+0.034) 100.44ug/ml m

response 527130

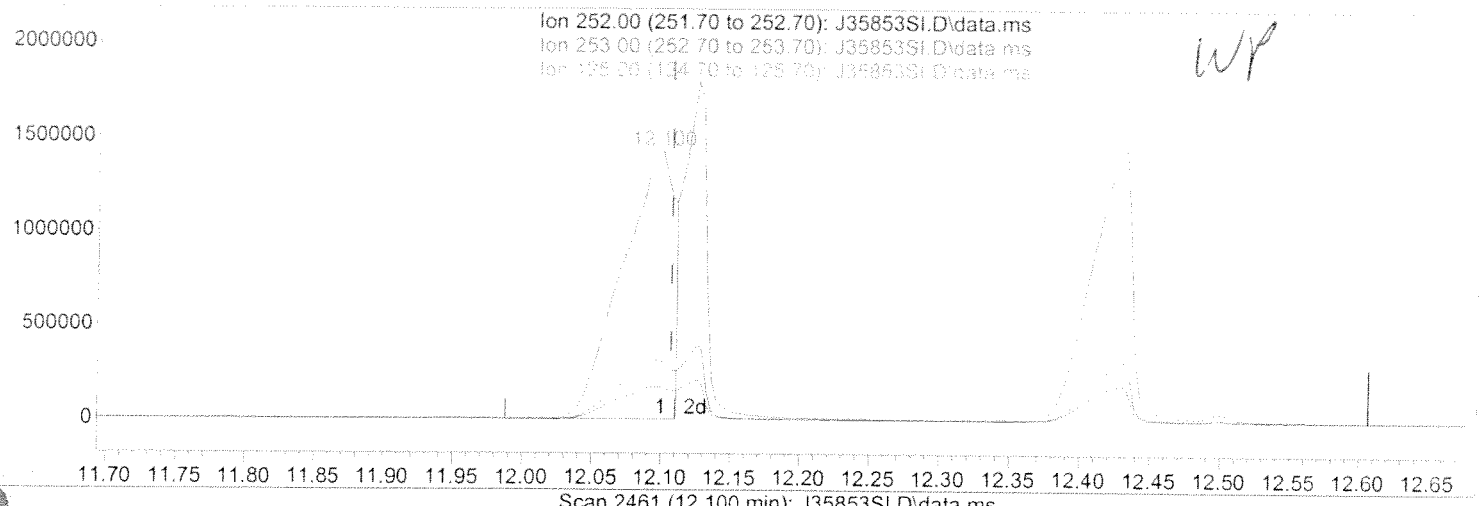
Ion	Exp%	Act%
138.00	100	100
92.00	22.90	24.92
0.00	0.00	0.00
0.00	0.00	0.00

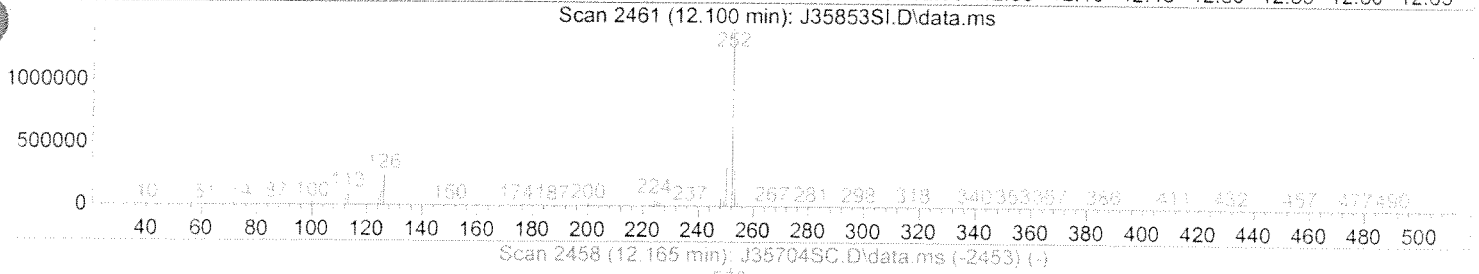
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

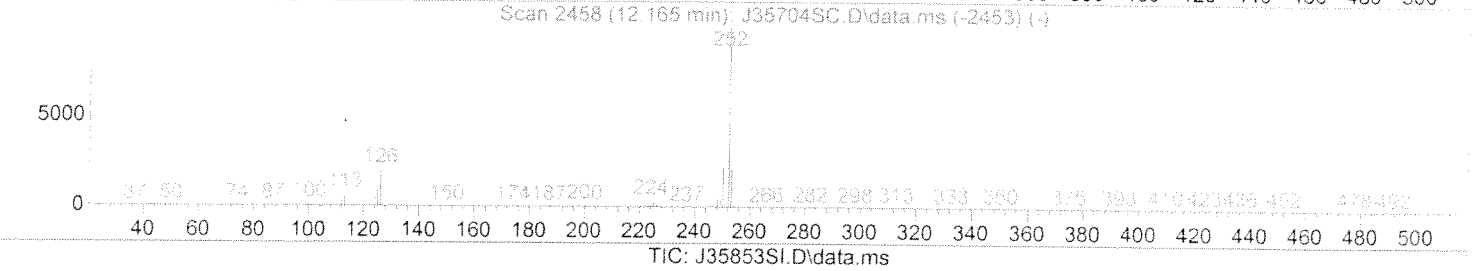
Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

9/23/10

WP







TIC: J35853SI.D\data.ms

(82) Benzo[k] fluoranthene (TM)

12.100min (-0.007) -40.00ug/ml

response 3734051

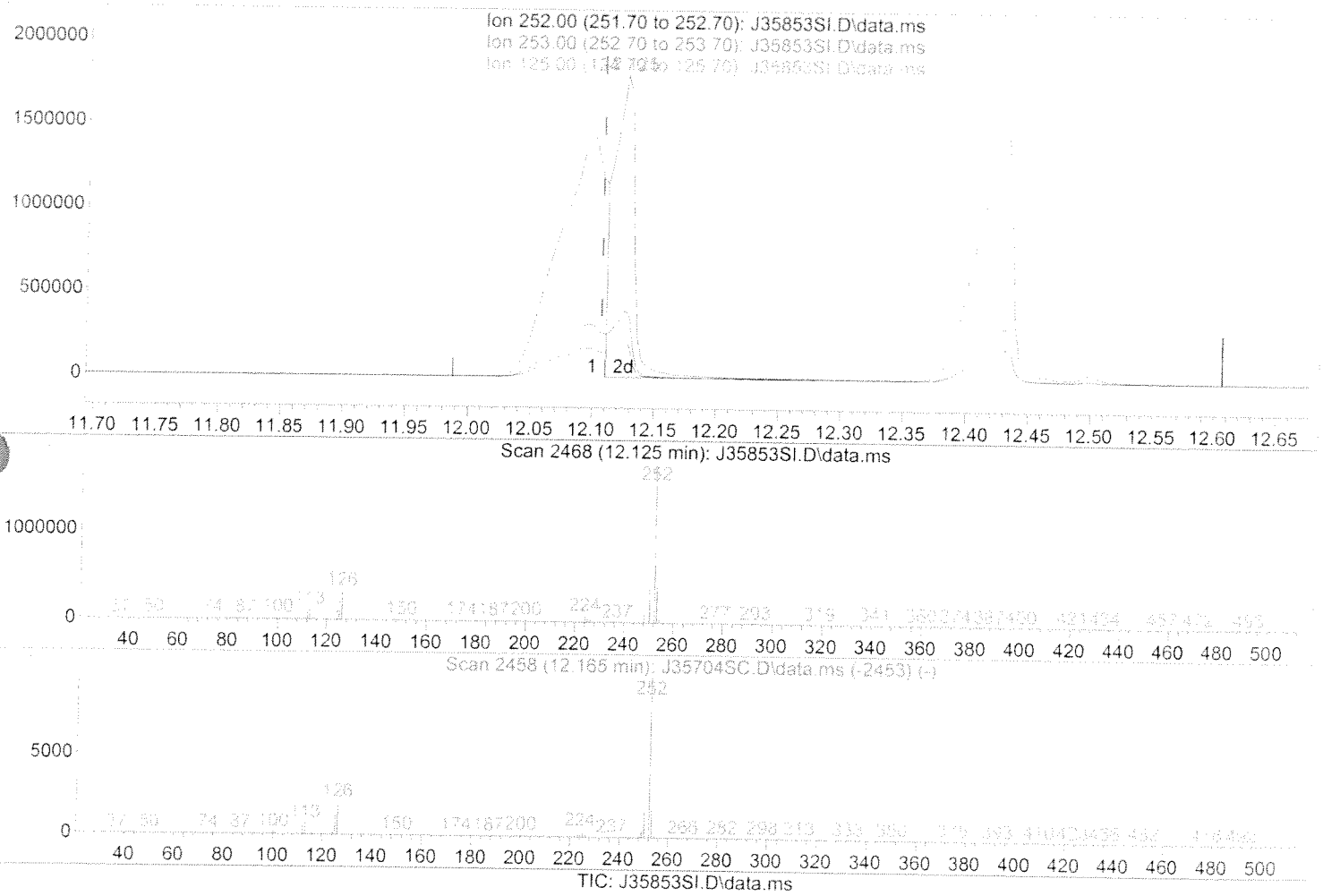
Ion	Exp%	Act%
252.00	100	100
253.00	21.50	21.95
125.00	11.90	12.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MV
9/23/10



(82) Benzo[k] fluoranthene (TM)

12.125min (+0.018) 81.42ug/ml m

response 2002183

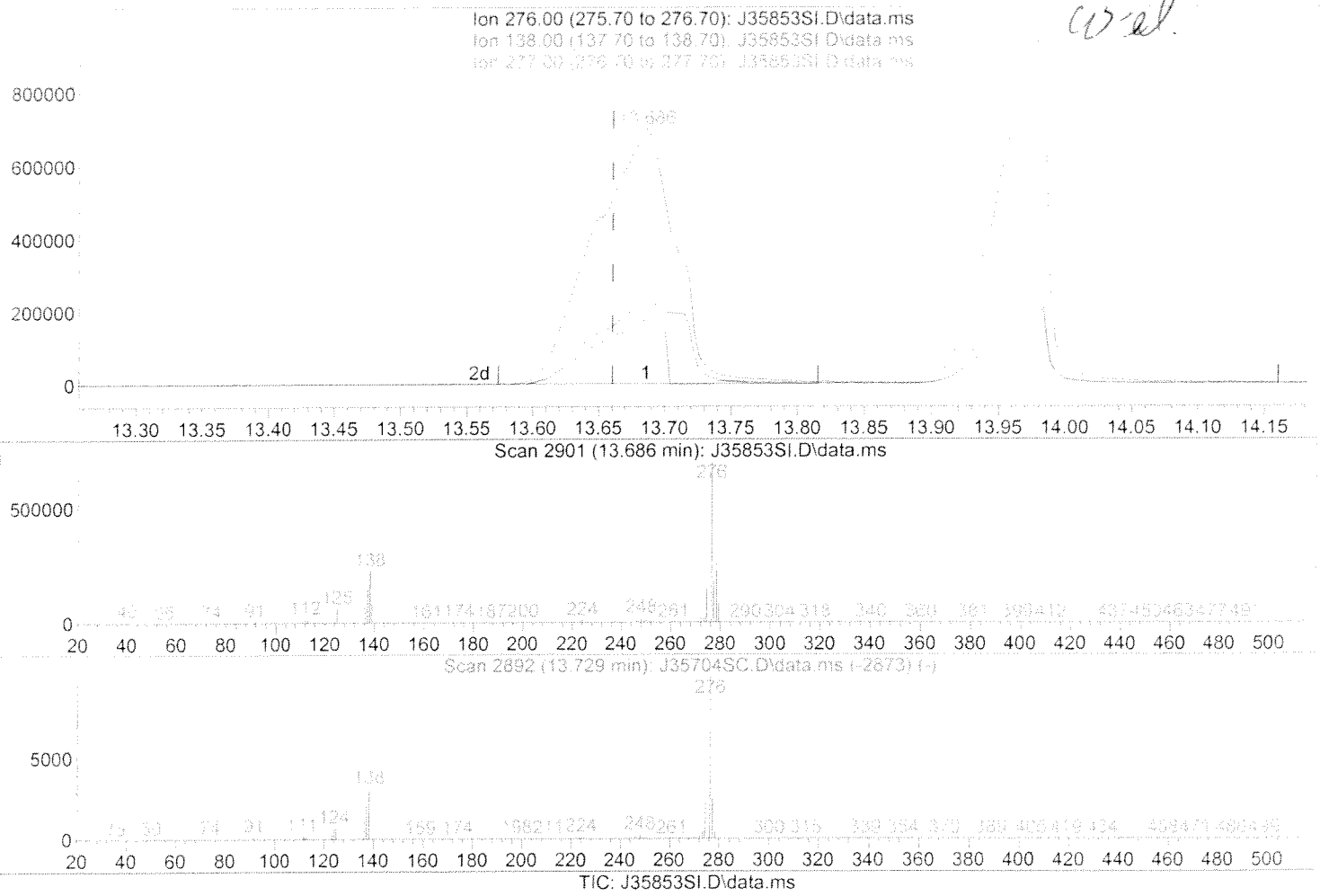
Ion	Exp%	Act%
252.00	100	100
253.00	21.50	40.93#
125.00	11.90	22.67#
0.00	0.00	0.00

262720

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MV 9/23/10 w-al.



9/23/10

(84) Indeno [1,2,3-cd] pyrene (TM)

13.686min (+0.025) 117.35ug/ml

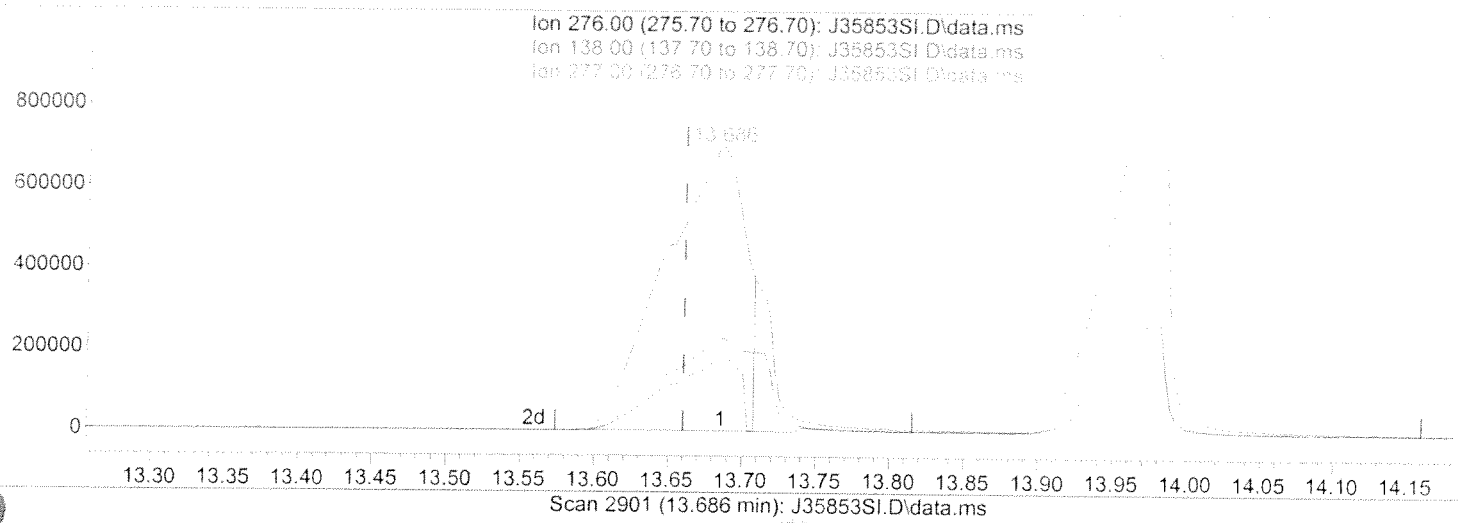
response 2972097

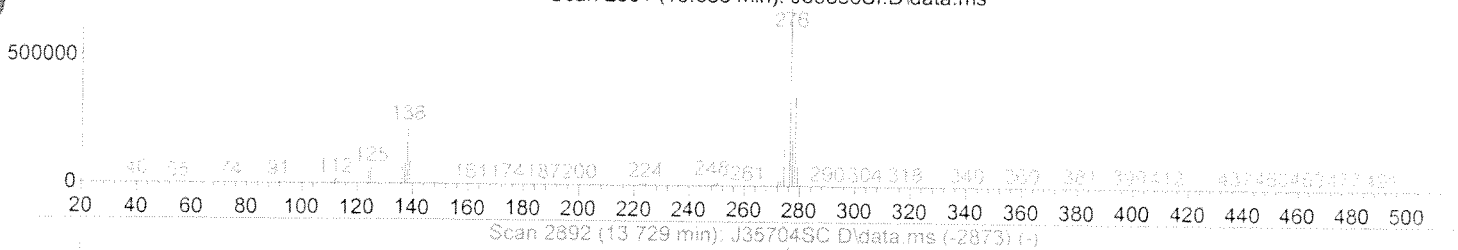
Ion	Exp%	Act%
276.00	100	100
138.00	42.30	35.95
277.00	23.20	20.88
0.00	0.00	0.00

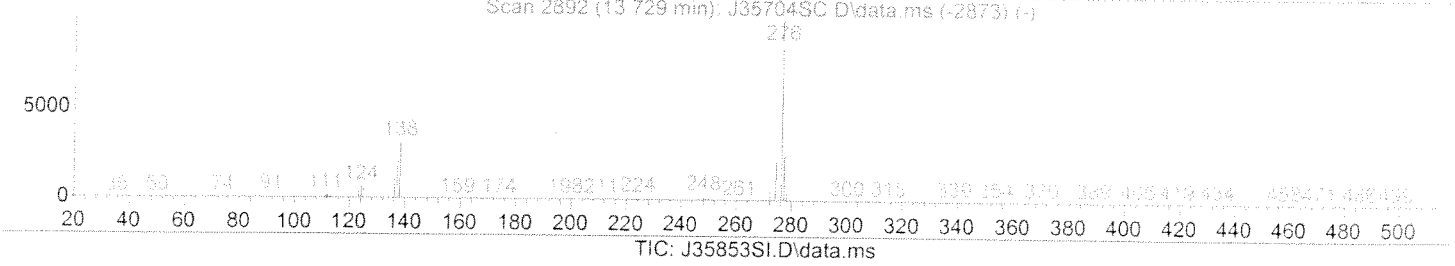
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 18 04:54:49 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 04:53:42 2010
Response via : Initial Calibration

MV
9/23/10







(84) Indeno [1,2,3-cd] pyrene (TM)

13.686min (+0.025) 103.19ug/ml m

response 2634081

Ion	Exp%	Act%
276.00	100	100
138.00	42.30	40.56
277.00	23.20	23.56
0.00	0.00	0.00

JG 27W

ABN FULL LIST
ICV

Data File Name J35854.D
Date Acquired 9/18/2010 3:28
Sample Name S10120 20/40 ICV

PN 9/23/10

Name	ug/mL Amount	ug/mL Expected	% Recovery	80-120%
Pyridine	20.32	20	102%	OK
N-nitrosodimethylamine	20.20	20	101%	OK
2-Fluorophenol	42.78	40	107%	OK
d5-Phenol	42.43	40	106%	OK
Aniline	18.60	20	93%	OK
Phenol	41.63	40	104%	OK
2-Chlorophenol	41.51	40	104%	OK
bis(2-chloroethyl) ether	18.08	20	90%	OK
1,3-Dichlorobenzene	20.79	20	104%	OK
1,4-Dichlorobenzene	20.56	20	103%	OK
1,2-Dichlorobenzene	19.99	20	100%	OK
Benzyl Alcohol	21.27	20	106%	OK
2-Methylphenol	40.96	40	102%	OK
bis(2-chloroisopropyl)ether	21.56	20	108%	OK
3+4-Methylphenol	42.65	40	107%	OK
Hexachloroethane	23.85	20	119%	OK
N-nitroso-di-n-propylamine	22.63	20	113%	OK
d5-nitrobenzene	40.61	40	102%	OK
Nitrobenzene	19.84	20	99%	OK
Isophorone	19.48	20	97%	OK
2-Nitrophenol	43.61	40	109%	OK
2,4-Dimethylphenol	41.37	40	103%	OK
Bis(2-chloroethoxy)methane	19.27	20	96%	OK
2,4-Dichlorophenol	41.38	40	103%	OK
Benzoic Acid	40.36	40	101%	OK
1,2,4-Trichlorobenzene	19.99	20	100%	OK
Naphthalene	20.11	20	101%	OK
2,6-Dichlorophenol	43.32	40	108%	OK
4-Chloroaniline	19.29	20	96%	OK
Hexachlorobutadiene	20.61	20	103%	OK
4-Chloro-3-methylphenol	40.37	40	101%	OK
2-Methylnaphthalene	19.08	20	95%	OK
Hexachlorocyclopentadiene	22.73	20	114%	OK
2,4,6-Trichlorophenol	45.36	40	113%	OK
2,4,5-Trichlorophenol	43.08	40	108%	OK
2-Fluorobiphenyl	42.47	40	106%	OK
2-Chloronaphthalene	20.68	20	103%	OK
2-Nitroaniline	20.60	20	103%	OK
2,6-Dinitrotoluene	21.40	20	107%	OK
Dimethyl Phthalate	20.69	20	103%	OK
Acenaphthylene	21.82	20	109%	OK
3-Nitroaniline	19.22	20	96%	OK
Acenaphthene	20.48	20	102%	OK

SRW

2,4-dinitrophenol	39.06	40	98%	OK	
Dibenzofuran	20.20	20	101%	OK	
4-Nitrophenol	46.25	40	116%	OK	
2,4-Dinitrotoluene	22.11	20	111%	OK	
2,3,4,6-Tetrachlorophenol	45.90	40	115%	OK	
Fluorene	20.70	20	104%	OK	
Diethyl Phthalate	20.64	20	103%	OK	
4-Chlorophenyl phenyl ether	20.58	20	103%	OK	
4-Nitroaniline	16.73	20	84%	OK	
4,6-Dinitro-2-methylphenol	42.49	40	106%	OK	
n-nitrosodiphenylamine	21.29	20	106%	OK	
Azobenzene	19.41	20	97%	OK	
Biphenyl	21.71	20	109%	OK	
2,4,6-Tribromophenol	43.92	40	110%	OK	
4-bromophenyl phenyl ether	20.87	20	104%	OK	
Hexachlorobenzene	19.63	20	98%	OK	
Pentachlorophenol	43.39	40	108%	OK	
Phenanthrene	19.30	20	96%	OK	
Anthracene	19.38	20	97%	OK	
Carbazole	20.58	20	103%	OK	
Di-n-butyl phthalate	20.41	20	102%	OK	
Fluoranthene	19.79	20	99%	OK	
Benzidine	24.20	20	121%	*	ESTIMATED
Pyrene	20.17	20	101%	OK	
d14-p-terphenyl	39.96	40	100%	OK	
Butyl benzyl phthalate	20.91	20	105%	OK	
Benzo[a]anthracene	21.01	20	105%	OK	
Chrysene	20.37	20	102%	OK	
3,3'-Dichlorobenzidine	21.77	20	109%	OK	
Bis (2-ethylhexyl) phthalate	20.92	20	105%	OK	
di-n-octyl-phthalate	21.26	20	106%	OK	
Benzo[b] fluoranthene	19.78	20	99%	OK	
Benzo[k] fluoranthene	21.76	20	109%	OK	
Benzo[a] pyrene	20.75	20	104%	OK	
Indeno [1,2,3-cd] pyrene	20.48	20	102%	OK	
Dibenz [a,h] anthracene	20.05	20	100%	OK	
Benzo(g,h,i) perylene	19.71	20	99%	OK	

9/23/10

392740

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 05:09:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

ON 9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.024	152	436183	40.00	ug/ml	0.00
19) d8-Naphthalene	5.315	136	1317136	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.033	164	717152	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.461	188	1285330	40.00	ug/ml	0.00
71) d12-Chrysene	11.007	240	1258254	40.00	ug/ml	0.00
79) d12-Perylene	12.468	264	1157553	40.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	2.686	112	545660	42.78	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 57.04%			
5) d5-Phenol	3.710	99	631725	42.43	ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 56.57%			
20) d5-nitrobenzene	4.604	82	461639	40.61	ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 81.22%			
39) 2-Fluorobiphenyl	6.404	172	959057	42.47	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 84.94%			
60) 2,4,6-Tribromophenol	7.800	330	169461	43.92	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 58.56%			
73) d14-p-terphenyl	10.023	244	914927	39.96	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 79.92%			

Target Compounds						Qvalue
2) Pyridine	1.536	79	288552	20.32	ug/ml	91
3) N-nitrosodimethylamine	1.512	74	156013	20.20	ug/ml	87
6) Aniline	3.696	93	374038	18.60	ug/ml#	84
7) Phenol	3.729	94	635691	41.63	ug/ml#	82
8) 2-Chlorophenol	3.818	128	555860	41.51	ug/ml	100
9) bis(2-chloroethyl) ether	3.790	63	232853	18.08	ug/ml#	86
10) 1,3-Dichlorobenzene	3.958	146	358755	20.79	ug/ml	99
11) 1,4-Dichlorobenzene	4.043	146	339360	20.56	ug/ml	98
12) 1,2-Dichlorobenzene	4.188	146	333700	19.99	ug/ml	99
13) Benzyl Alcohol	4.202	108	154687	21.27	ug/ml	99
14) 2-Methylphenol	4.342	108	445817	40.96	ug/ml	98
15) bis(2-chloroisopropyl)...	4.347	45	547119	21.56	ug/ml	98
16) 3+4-Methylphenol	4.515	108	455634	42.65	ug/ml	96
17) Hexachloroethane	4.529	117	118448	23.85	ug/ml	98
18) N-nitroso-di-n-propyla...	4.487	70	166285	22.63	ug/ml#	78
21) Nitrobenzene	4.622	123	125894	19.84	ug/ml	87
22) Isophorone	4.884	82	411707	19.48	ug/ml	97
23) 2-Nitrophenol	4.945	139	327958	43.61	ug/ml	99
24) 2,4-Dimethylphenol	5.039	107	507065	41.37	ug/ml	99
25) Bis(2-chloroethoxy)met...	5.128	93	276576	19.27	ug/ml	98
26) 2,4-Dichlorophenol	5.202	162	468237	41.38	ug/ml	96

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 05:09:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.245	105	278075	40.36 ug/ml#	8
28) 1,2,4-Trichlorobenzene	5.263	180	273991	19.99 ug/ml	99
29) Naphthalene	5.333	128	702728	20.11 ug/ml	100
30) 2,6-Dichlorophenol	5.422	162	438720	43.32 ug/ml	95
31) 4-Chloroaniline	5.418	127	288161	19.29 ug/ml	94
32) Hexachlorobutadiene	5.474	225	164386	20.61 ug/ml	100
33) 4-Chloro-3-methylphenol	5.947	107	400303	40.37 ug/ml	98
34) 2-Methylnaphthalene	6.023	141	399610	19.08 ug/ml	100
36) Hexachlorocyclopentadiene	6.184	237	166893	22.73 ug/ml	99
37) 2,4,6-Trichlorophenol	6.323	196	342262	45.36 ug/ml	99
38) 2,4,5-Trichlorophenol	6.363	196	371494	43.08 ug/ml	99
40) 2-Chloronaphthalene	6.493	162	424748	20.68 ug/ml	99
41) 2-Nitroaniline	6.619	138	193374	20.60 ug/ml	97
42) 2,6-Dinitrotoluene	6.868	165	128347	21.40 ug/ml	99
43) Dimethyl Phthalate	6.819	163	562849	20.69 ug/ml	99
44) Acenaphthylene	6.887	152	738187	21.82 ug/ml	100
45) 3-Nitroaniline	7.028	138	101721	19.22 ug/ml	99
46) Acenaphthene	7.062	153	435831	20.48 ug/ml	100
47) 2,4-dinitrophenol	7.135	184	136945	39.06 ug/ml	99
48) Dibenzofuran	7.232	168	699175	20.20 ug/ml#	54
49) 4-Nitrophenol	7.246	109	131095	46.25 ug/ml	91
50) 2,4-Dinitrotoluene	7.256	165	168953	22.11 ug/ml	98
51) 2,3,4,6-Tetrachlorophenol	7.373	232	318058	45.90 ug/ml	99
52) Fluorene	7.562	166	527588	20.70 ug/ml	99
53) Diethyl Phthalate	7.508	149	530408	20.64 ug/ml	100
54) 4-Chlorophenyl phenyl ...	7.581	204	265565	20.58 ug/ml#	93
55) 4-Nitroaniline	7.620	138	92124m	16.73 ug/ml	
56) 4,6-Dinitro-2-methylph...	7.649	198	217156	42.49 ug/ml	100
57) n-nitrosodiphenylamine	7.707	169	393075	21.29 ug/ml	99
58) Azobenzene	7.736	77	427919	19.41 ug/ml	90
59) Biphenyl	6.493	154	533521	21.71 ug/ml	99
62) 4-bromophenyl phenyl e...	8.051	248	177506	20.87 ug/ml	97
63) Hexachlorobenzene	8.087	284	178712	19.63 ug/ml	96
64) Pentachlorophenol	8.294	266	234145	43.39 ug/ml	99
65) Phenanthrene	8.483	178	719942	19.30 ug/ml	99
66) Anthracene	8.528	178	743104	19.38 ug/ml	100
67) Carbazole	8.704	167	453278	20.58 ug/ml	99
68) Di-n-butyl phthalate	9.091	149	925594	20.41 ug/ml	100
69) Fluoranthene	9.619	202	821115	19.79 ug/ml	99
70) Benzidine	9.788	184	167119	24.20 ug/ml	100
72) Pyrene	9.832	202	845291	20.17 ug/ml	99
74) Butyl benzyl phthalate	10.523	149	417923	20.91 ug/ml	99
75) Benzo[a]anthracene	10.988	228	738242	21.01 ug/ml	100

D9270

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 05:09:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	11.026	228	715783	20.37 ug/ml	100
77) 3,3'-Dichlorobenzidine	10.996	252	200447	21.77 ug/ml	99
78) Bis (2-ethylhexyl) pht...	11.101	149	535681	20.92 ug/ml	99
80) di-n-octyl-phthalate	11.750	149	925890	21.26 ug/ml	97
81) Benzo[b] fluoranthene	12.060	252	692534	19.78 ug/ml	100
82) Benzo[k] fluoranthene	12.089	252	725188	21.76 ug/ml	99
83) Benzo[a] pyrene	12.396	252	697410	20.75 ug/ml	100
84) Indeno [1,2,3-cd] pyrene	13.632	276	571422m	20.48 ug/ml	
85) Dibenz [a,h] anthracene	13.668	278	570973	20.05 ug/ml	98
86) Benzo(g,h,i) perylene	13.927	276	600597	19.71 ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

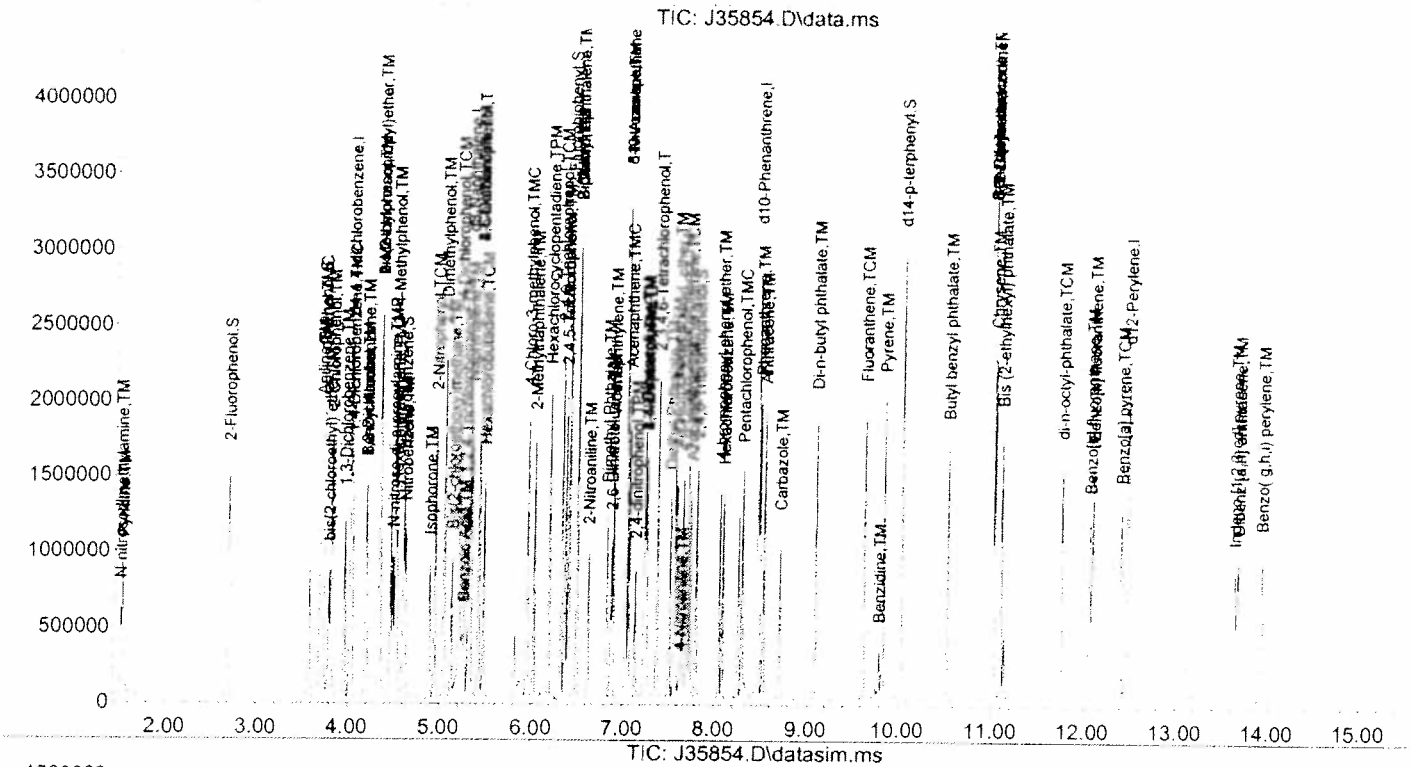
59270

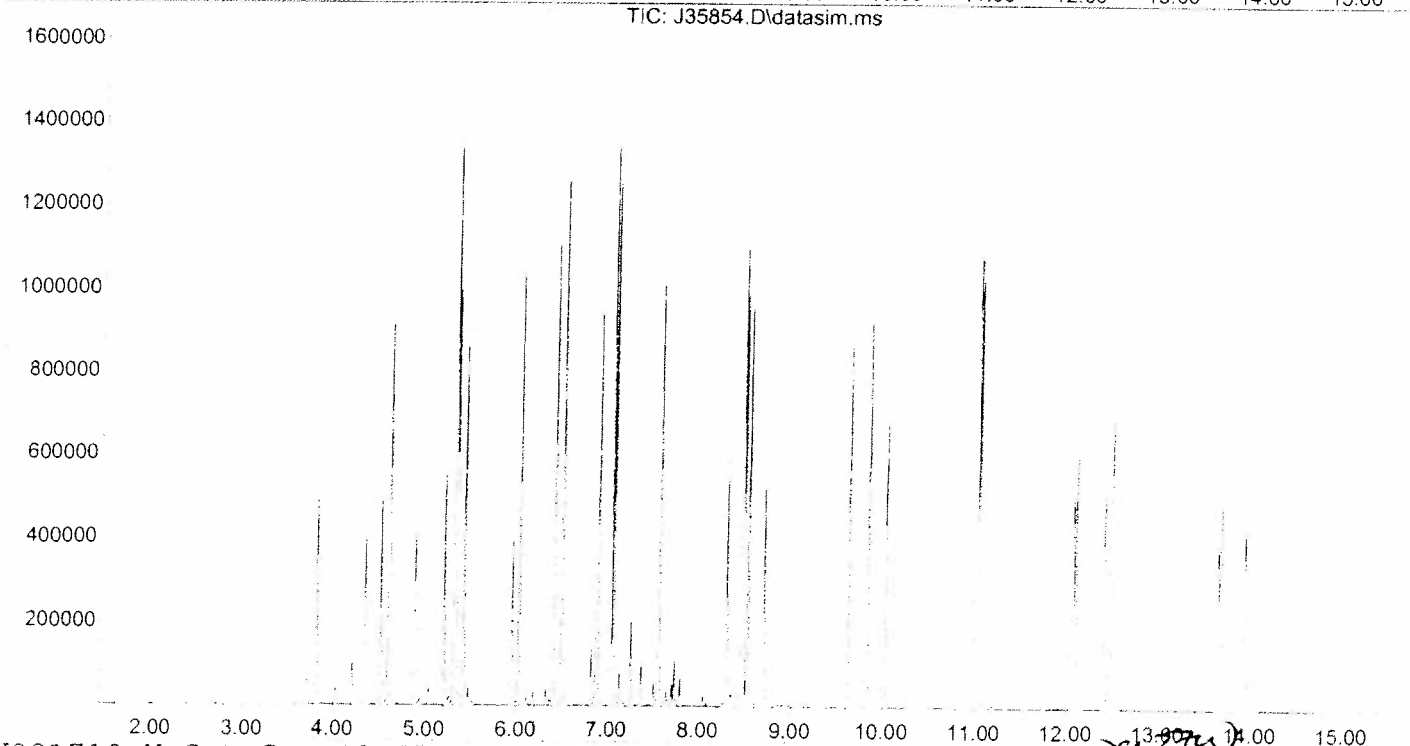
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 05:09:36 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

AR 9/27/10



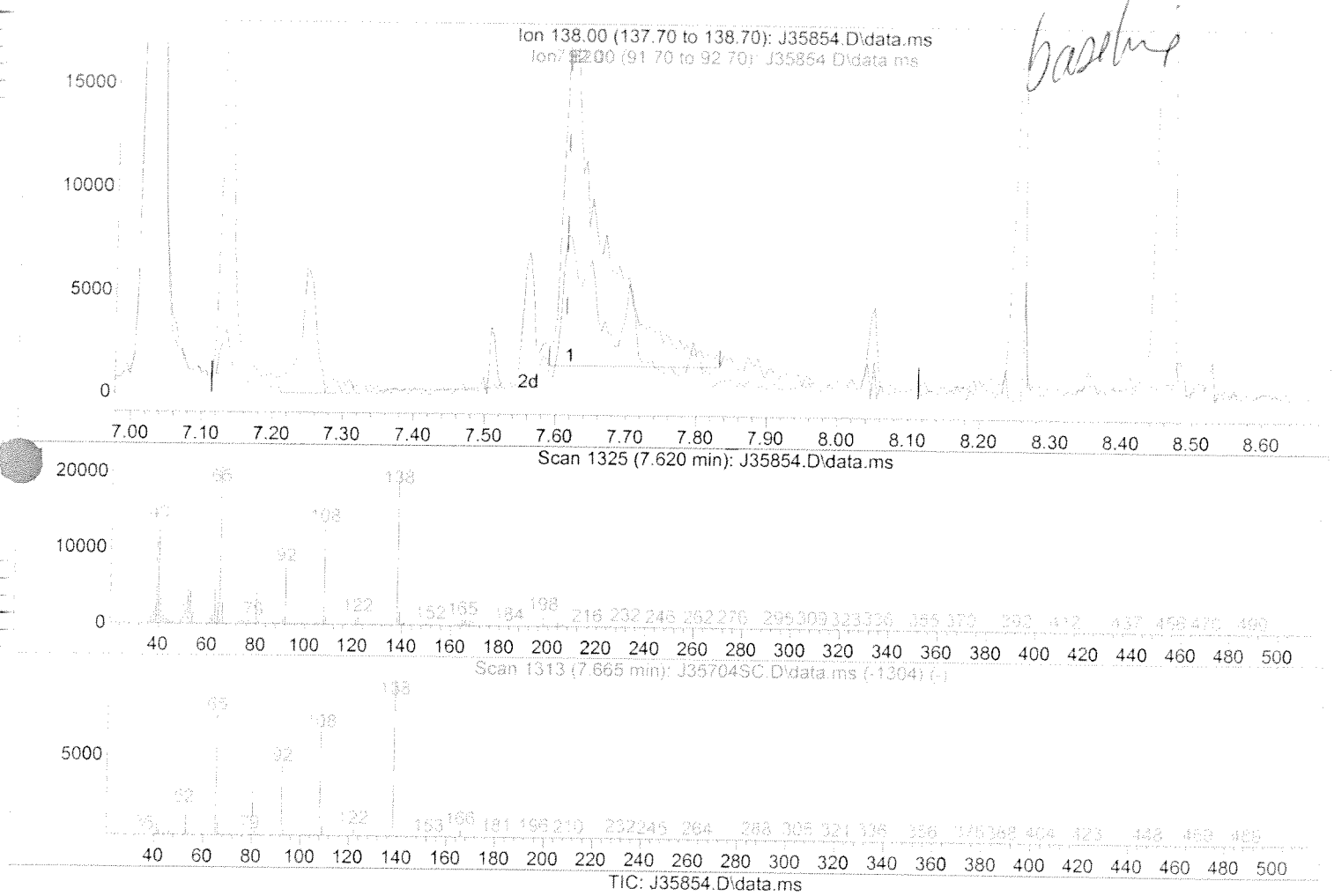


Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 05:08:27 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

MV 9/23/10

baseline



(55) 4-Nitroaniline (TM)

7.620min (+0.005) 11.73ug/ml

response 61315

Ion	Exp%	Act%
138.00	100	100
92.00	22.90	18.02#
0.00	0.00	0.00
0.00	0.00	0.00

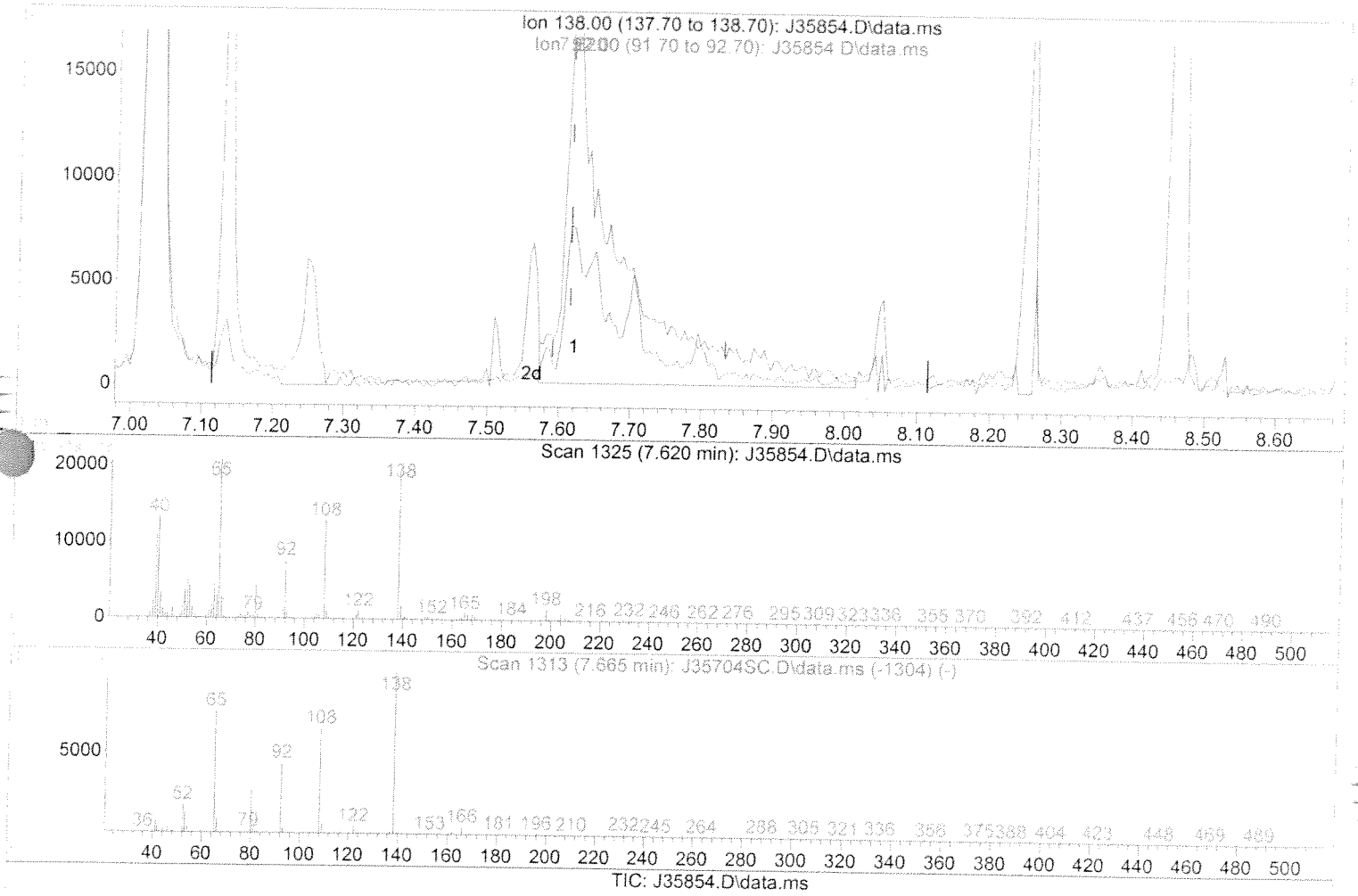
J927W

ABN091710.M Sat Sep 18 05:09:25 2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 05:08:27 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

PK
9/23/10



(55) 4-Nitroaniline (TM)

7.620min (+0.005) 16.73ug/ml m

response 92124

Ion	Exp%	Act%
138.00	100	100
92.00	22.90	11.99#
0.00	0.00	0.00
0.00	0.00	0.00

392700

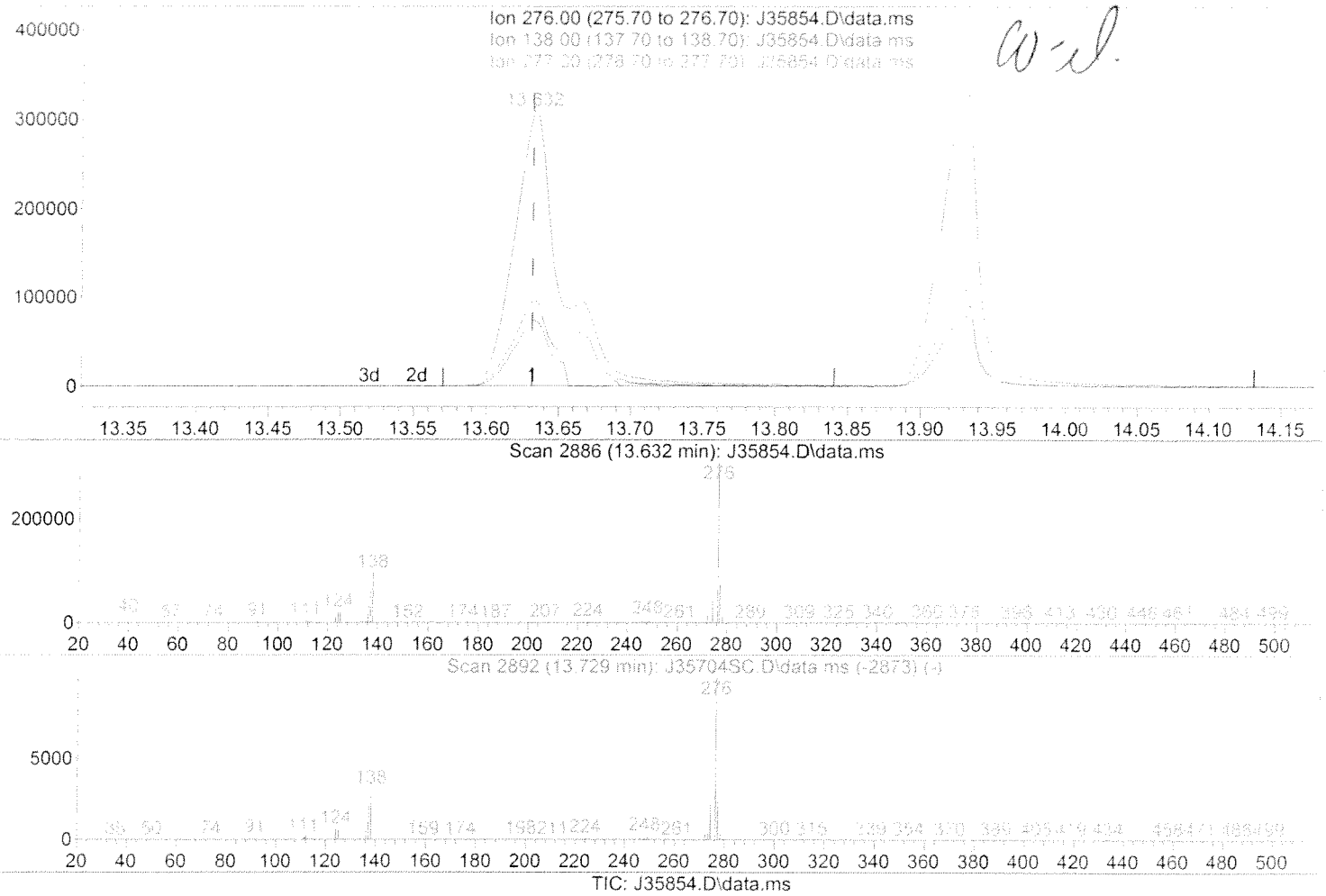
ABN091710.M Sat Sep 18 05:09:38 2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 05:07:39 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

MV 9/23/10

W-d.



(84) Indeno [1,2,3-cd] pyrene (TM)

13.632min (+0.000) 25.85ug/ml

response 721344

Ion	Exp%	Act%
276.00	100	100
138.00	42.30	23.20#
277.00	23.20	18.85
0.00	0.00	0.00

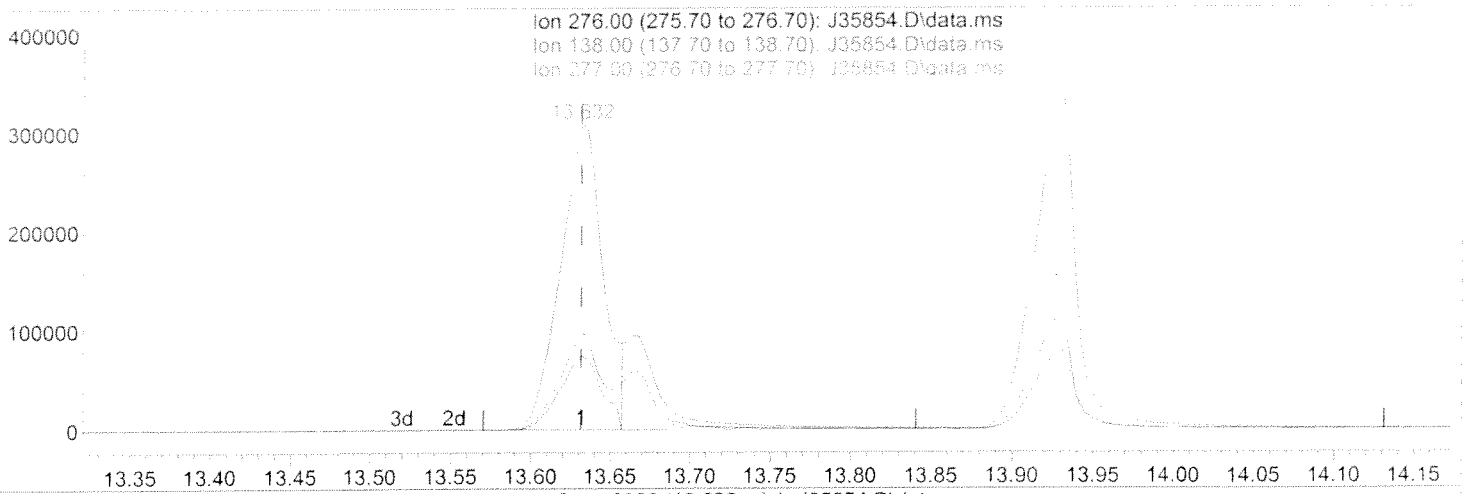
342700

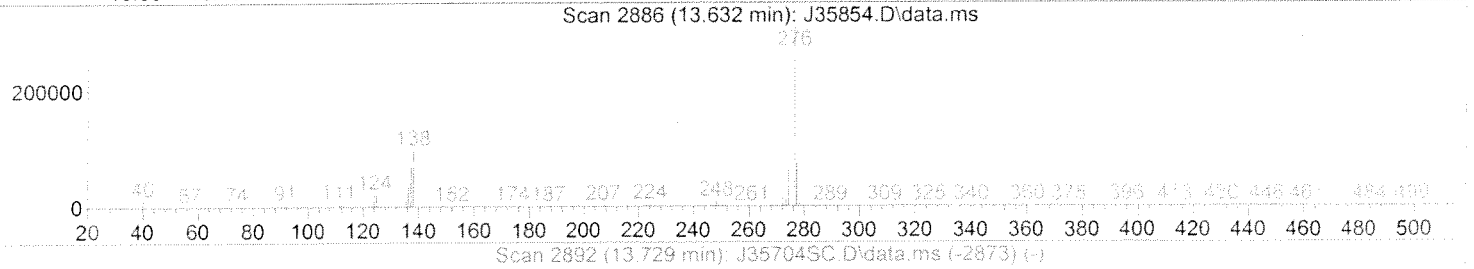
ABN091710.M Sat Sep 18 05:08:11 2010

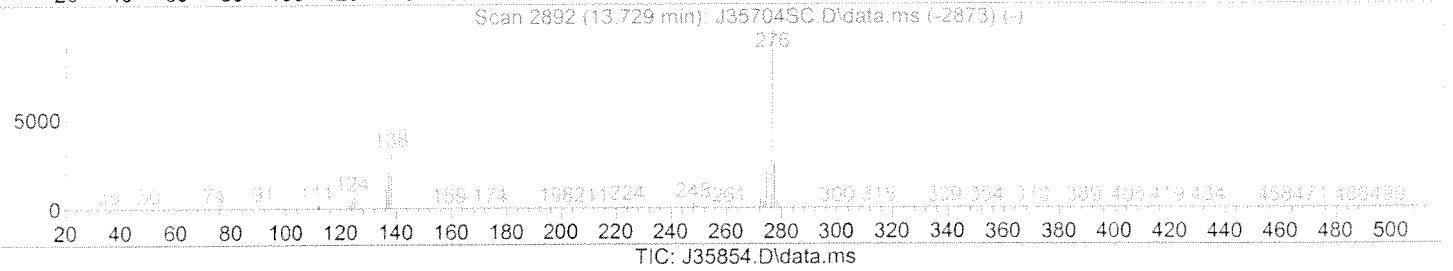
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 18 05:07:39 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Sat Sep 18 05:07:25 2010
Response via : Initial Calibration

AN
9/25/10







(84) Indeno [1,2,3-cd] pyrene (TM)

13.632min (+0.000) 20.48ug/ml m

response 571422

Ion	Exp%	Act%
276.00	100	100
138.00	42.30	29.28#
277.00	23.20	23.80
0.00	0.00	0.00

JZ2TW

Response Factor Report Instrument J

Method Path : C:\msdchem\1\METHODS\
Method File : ADDXTRA091710.M
Title : ABN ADDS
Last Update : Mon Sep 20 22:06:39 2010
Response Via : Initial Calibration

MN 9/23/10

Calibration Files
2 =J35847SI.D 4 =J35848SI.D 10 =J35849SI.D 20 =J35850SI.D 40 =J35851SI.D 50 =J35852SI.D
100 =J35853SI.D

		Compound	2	4	10	20	40	50	100	Avg	%RSD
1)	I	d4-1,4-dichloroben...	----------ISTD----------								
2)	TM	BENZALDEHYDE	0.767	0.780	0.800	0.790	0.744	0.663		0.758	6.61
3)	TM	n-Decane	1.903	1.949	1.907	1.819	1.761	1.705	1.528	1.796	8.17
4)	S	2-Fluorophenol	1.152	1.175	1.196	1.200	1.192	1.180	1.100	1.171	3.00
5)	S	d5-Phenol	1.427	1.446	1.444	1.410	1.333	1.300	1.199	1.366	6.80
6)	TM	Acetophenone	1.645	1.596	1.619	1.650	1.614	1.575	1.547	1.607	2.31
7)	TM	no compound								0.000#	-1.00
8)	TM	no compound								0.000#	-1.00
9)	TM	no compound								0.000#	-1.00
10)		no compound								0.000#	-1.00
11)		no compound								0.000#	-1.00
12)		no compound								0.000#	-1.00
13)		no compound								0.000#	-1.00
14)		no compound								0.000#	-1.00
15)		no compound								0.000#	-1.00
16)		no compound								0.000#	-1.00
17)		no compound								0.000#	-1.00
18)		no compound								0.000#	-1.00
19)	I	d8-Naphthalene	----------ISTD----------								
20)	S	d5-nitrobenzene	0.380	0.377	0.367	0.344	0.327	0.321	0.297	0.345	9.11
21)	TM	alpha-terpineol	0.172	0.163	0.163	0.156	0.154	0.152	0.126	0.155	9.33
22)	TM	2,3-dichloroan...	0.438	0.462	0.460	0.445	0.414	0.411	0.353	0.426	8.94
23)	TM	no compound								0.000#	-1.00
24)	TM	CAPROLACTAM	0.275	0.287	0.278	0.296	0.281	0.266	0.227	0.273	8.16
25)	TM	1,2,4,5-TETRAC...	0.447	0.453	0.442	0.417	0.377	0.371	0.317	0.404	12.49
26)		no compound								0.000#	-1.00
27)		no compound								0.000#	-1.00
28)		no compound								0.000#	-1.00
29)		no compound								0.000#	-1.00
30)		no compound								0.000#	-1.00

J42710

Response Factor Report Instrument J

Method Path : C:\msdchem\1\METHODS\
Method File : ADDXTRA091710.M
Title : ABN ADDS

31)		no compound								0.000#	-1.00
32)		no compound								0.000#	-1.00
33)		no compound								0.000#	-1.00
34)		no compound								0.000#	-1.00
35)	I	d10-Acenaphthene	----------ISTD----------								
36)	TM	no compound								0.000#	-1.00
37)	TM	no compound								0.000#	-1.00
38)		no compound								0.000#	-1.00
39)	S	2-Fluorobiphenyl	1.510	1.513	1.394	1.333	1.177	1.105	0.943	1.282	16.78
40)		no compound								0.000#	-1.00
41)		no compound								0.000#	-1.00
42)		no compound								0.000#	-1.00
43)		no compound								0.000#	-1.00
44)		no compound								0.000#	-1.00
45)		no compound								0.000#	-1.00
46)		no compound								0.000#	-1.00
47)		no compound								0.000#	-1.00
48)		no compound								0.000#	-1.00
49)		no compound								0.000#	-1.00
50)		no compound								0.000#	-1.00
51)		no compound								0.000#	-1.00
52)	TM	no compound								0.000#	-1.00
53)	TM	ATRAZINE	0.435	0.474	0.456	0.433	0.400	0.383	0.336	0.417	11.33
54)	TM	no compound								0.000#	-1.00
55)	TM	no compound								0.000#	-1.00
56)	TM	no compound								0.000#	-1.00
57)	TM	no compound								0.000#	-1.00
58)	TM	no compound								0.000#	-1.00
59)	TM	4-(tert octyl)...	2.085	2.178	2.133	2.046	1.879	1.758	1.458	1.934	13.26
60)	S	2,4,6-Tribromo...	0.204	0.228	0.223	0.220	0.218	0.212	0.194	0.214	5.42
61)	I	d10-Phenanthrene	----------ISTD----------								
62)	TM	Octadecane	0.676	0.667	0.646	0.600	0.548	0.498	0.446	0.583	15.22
63)	TM	no compound								0.000#	-1.00
64)	TM	no compound								0.000#	-1.00
65)	TM	no compound								0.000#	-1.00
66)		no compound								0.000#	-1.00
67)		no compound								0.000#	-1.00
68)		no compound								0.000#	-1.00
69)		no compound								0.000#	-1.00

MR 9/23/10

Q

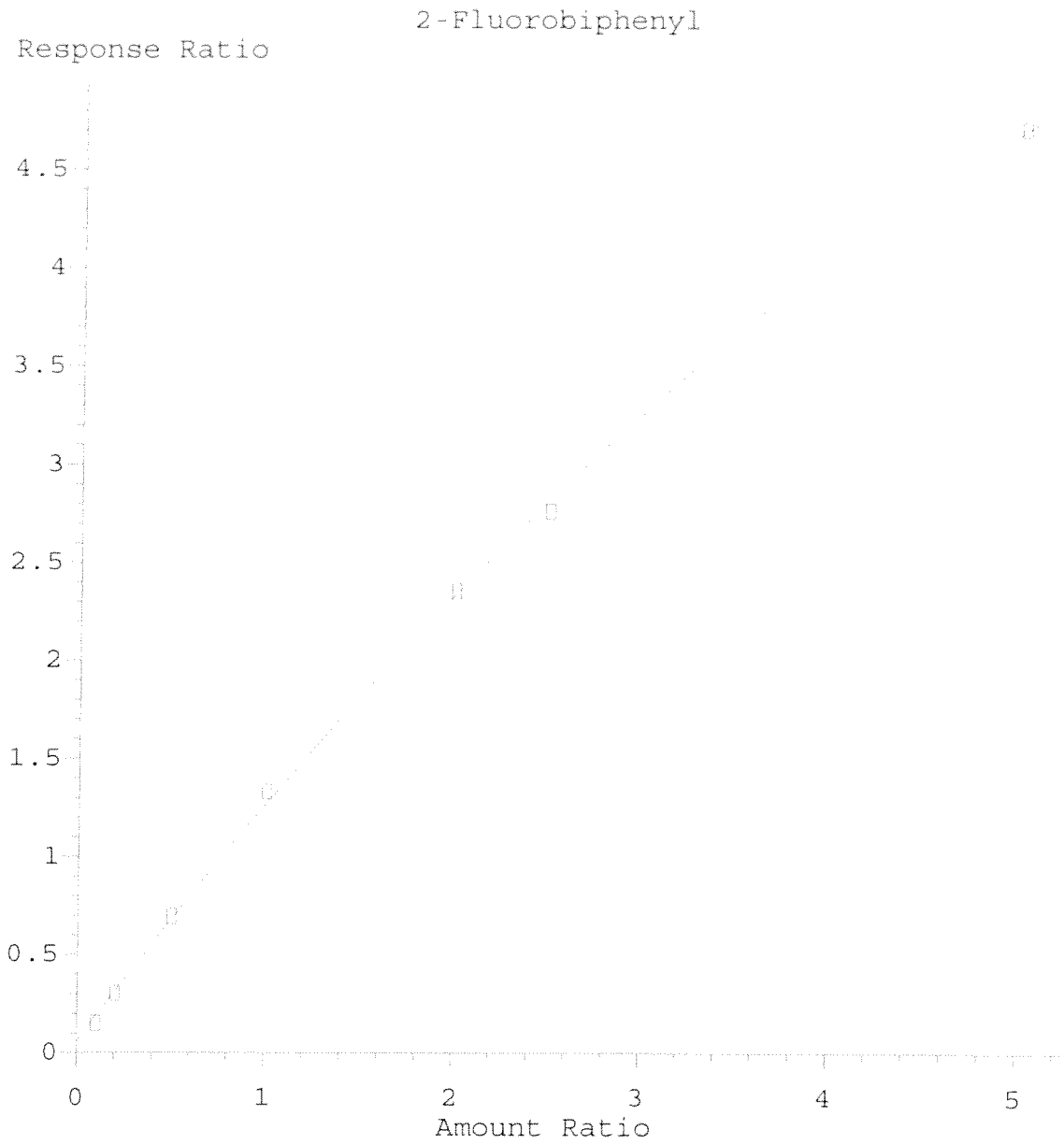
Response Factor Report Instrument J

Method Path : C:\msdchem\1\METHODS\
Method File : ADDXTRA091710.M
Title : ABN ADDS

70)		no compound							0.000#	-1.00
71)	I	d12-Chrysene	----------ISTD----------							
72)		no compound							0.000#	-1.00
73)	S	d14-p-terphenyl	0.805	0.816	0.755	0.713	0.699	0.669	0.648	0.729	8.92
74)		no compound							0.000#	-1.00
75)		no compound							0.000#	-1.00
76)		no compound							0.000#	-1.00
77)		no compound							0.000#	-1.00
78)		no compound							0.000#	-1.00
79)	I	d12-Perylene	----------ISTD----------							
80)		no compound							0.000#	-1.00
81)		no compound							0.000#	-1.00
82)		no compound							0.000#	-1.00
83)		no compound							0.000#	-1.00
84)		no compound							0.000#	-1.00
85)		no compound							0.000#	-1.00
86)		no compound							0.000#	-1.00

(#) = Out of Range

9/23/10

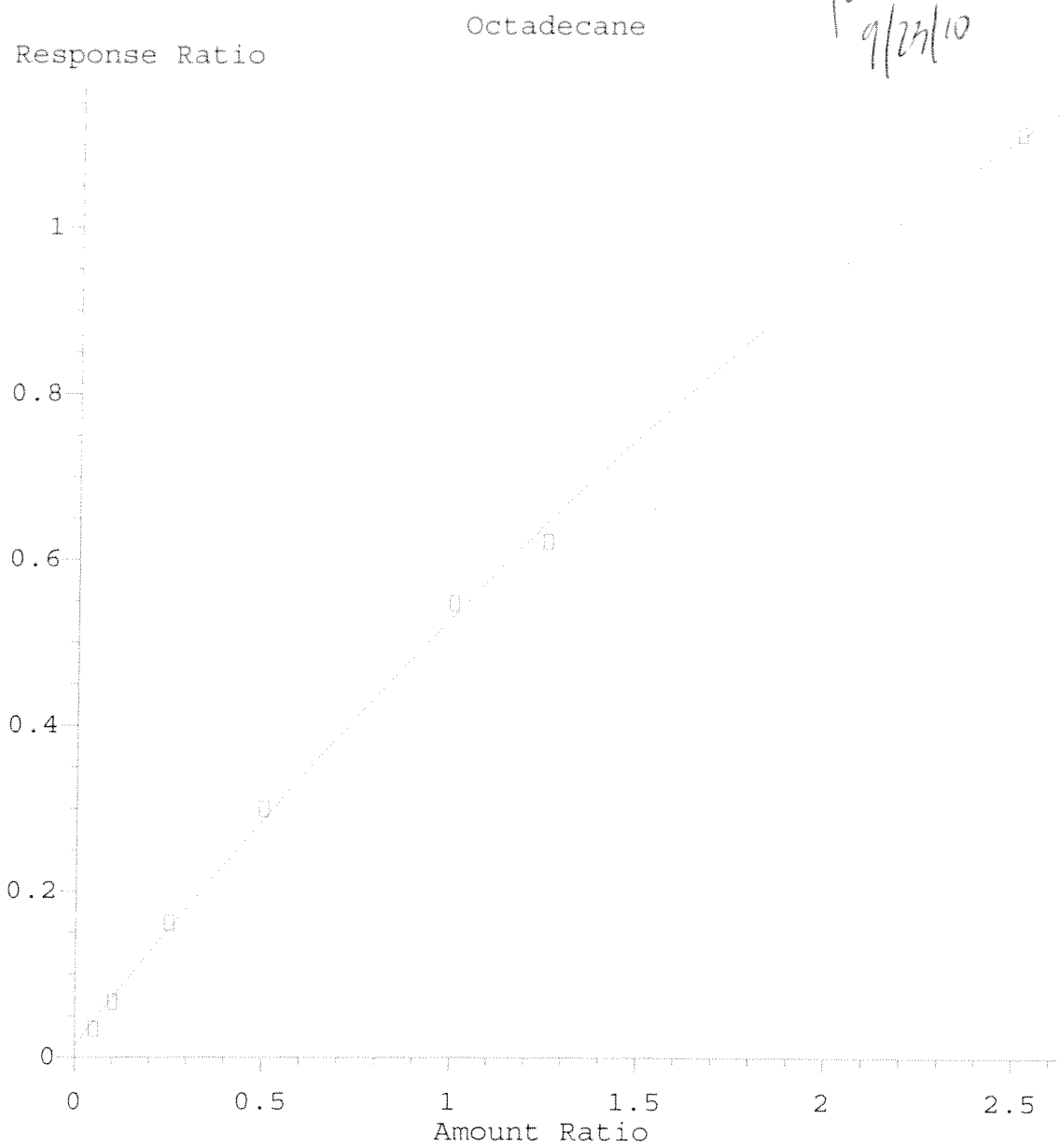


R = -7.01e-002 A*A + 1.28e+000 A + 6.00e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

592770

Method Name: C:\msdchem\1\METHODS\ADDXTRA091710.M
Calibration Table Last Updated: Mon Sep 20 22:05:41 2010

9/27/10



R = -5.27e-002 A*A + 5.71e-001 A + 1.49e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic

342720

Method Name: C:\msdchem\1\METHODS\ADDXTRA091710.M
Calibration Table Last Updated: Mon Sep 20 22:06:04 2010

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 20 21:57:16 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:56:43 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.019	152	464920	40.00 ug/ml	0.00
19) d8-Naphthalene	5.310	136	1385756	40.00 ug/ml	0.00
35) d10-Acenaphthene	7.028	164	774582	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.456	188	1371394	40.00 ug/ml	0.00
71) d12-Chrysene	11.000	240	1511123	40.00 ug/ml	0.00
79) d12-Perylene	12.468	264	1300090	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	2.682	112	53547	3.55 ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 4.73%#		
5) d5-Phenol	3.701	99	66338	3.75 ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 5.00%#		
20) d5-nitrobenzene	4.595	82	52627	3.98 ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 7.96%#		
39) 2-Fluorobiphenyl	6.395	172	116936	4.21 ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 8.42%#		
60) 2,4,6-Tribromophenol	7.795	330	15784	3.38 ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 4.51%#		
73) d14-p-terphenyl	10.019	244	121624	3.94 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 7.88%#		

Target Compounds					Qvalue
2) BENZALDEHYDE	3.570	77	17838	2.04 ug/ml	96
3) n-Decane	3.893	57	44238	1.91 ug/ml	99
6) Acetophenone	4.450	105	38245	1.85 ug/ml	96
21) alpha-terpineol	5.376	93	11888	2.01 ug/ml	90
22) 2,3-dichloroaniline	6.305	161	30324	1.80 ug/ml	99
24) CAPROLACTAM	5.741	55	19038	1.76 ug/ml#	75
25) 1,2,4,5-TETRACHLOROBEN...	6.184	216	31001	1.96 ug/ml	96
53) ATRAZINE	8.245	200	16858	1.89 ug/ml	99
59) 4-(tert octyl) Phenol	7.591	135	80768	1.95 ug/ml#	93
62) Octadecane	8.438	57	46363	2.05 ug/ml	98

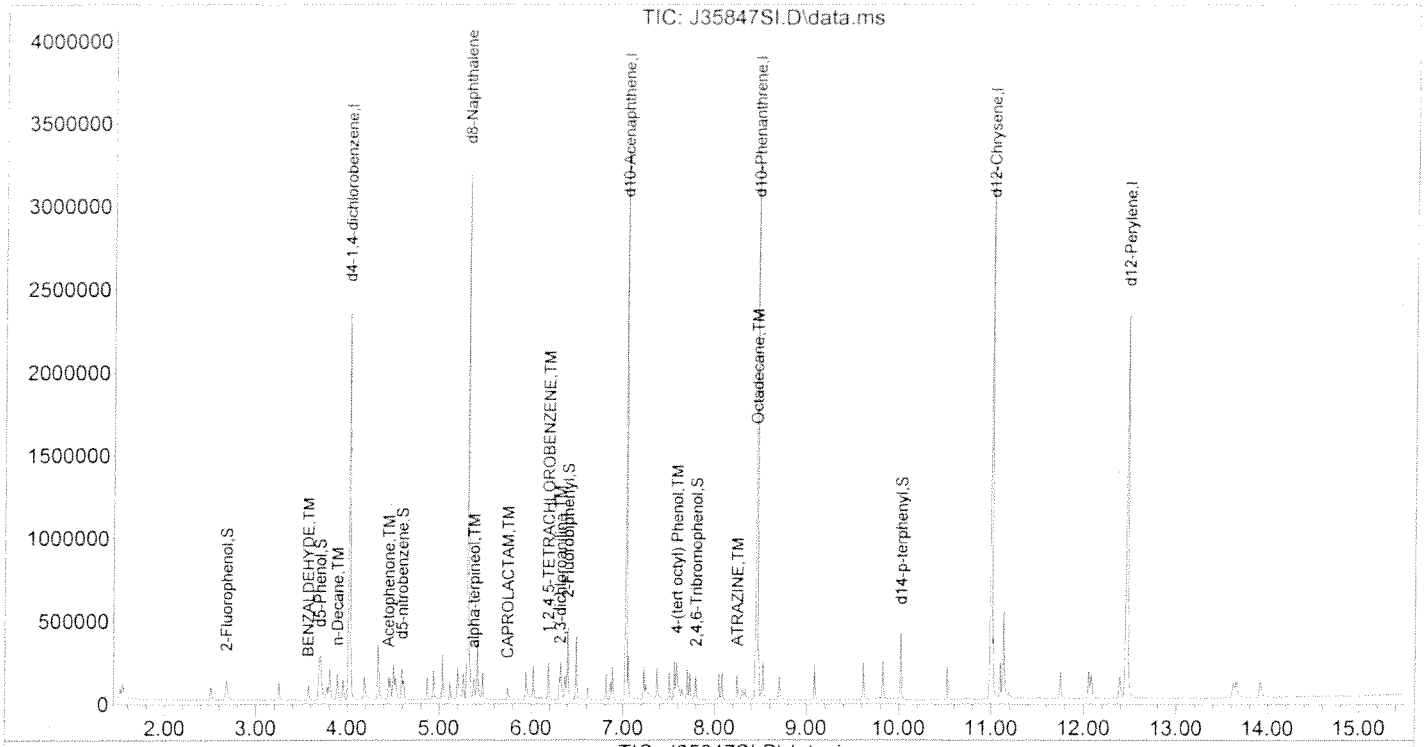
(#) = qualifier out of range (m) = manual integration (+) = signals summed

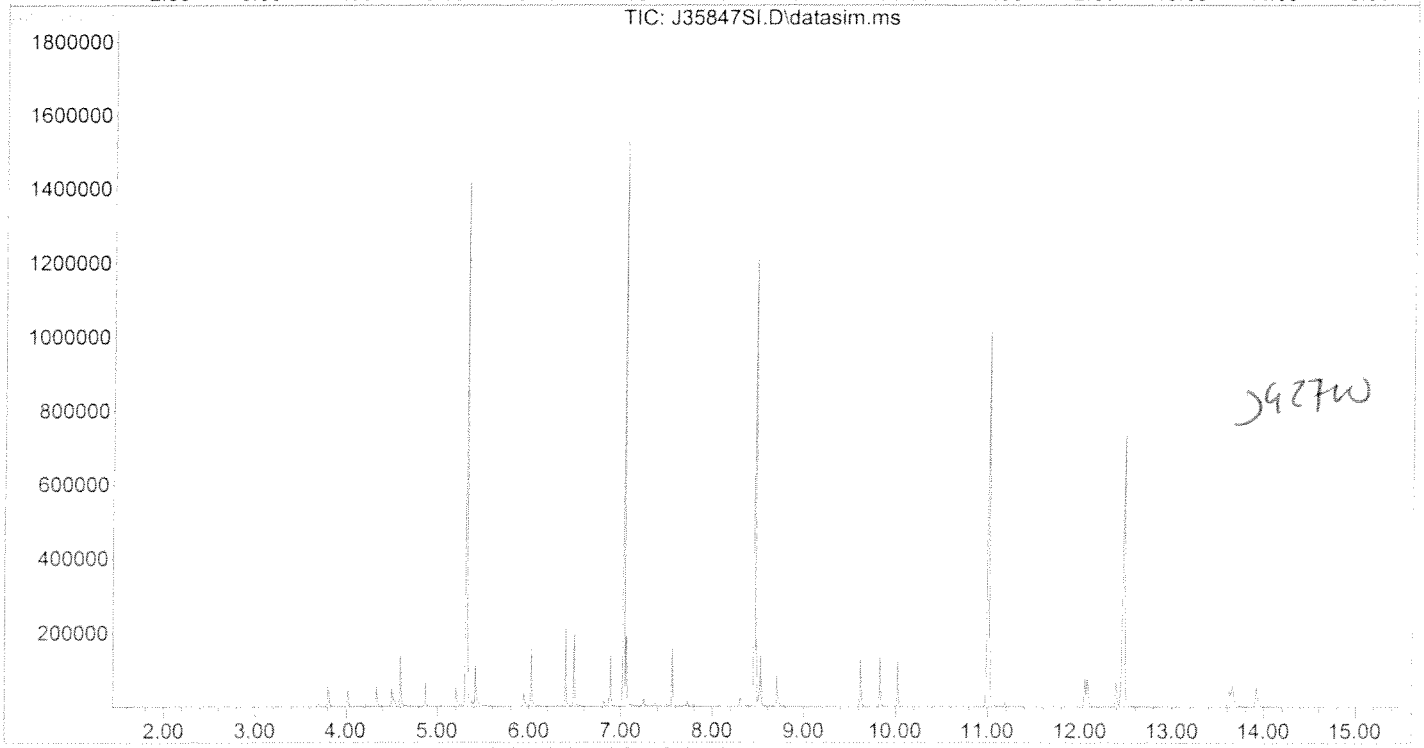
JGCW

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35847SI.D
Acq On : 18 Sep 2010 1:01 am
Operator : AR/MG
Sample : S10115 2/4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 20 21:57:16 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:56:43 2010
Response via : Initial Calibration

9/23/10





DJ27W

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 20 21:57:20 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.019	152	456768	40.00 ug/ml	0.00
19) d8-Naphthalene	5.310	136	1348707	40.00 ug/ml	0.00
35) d10-Acenaphthene	7.028	164	760013	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.456	188	1349373	40.00 ug/ml	0.00
71) d12-Chrysene	10.999	240	1435119	40.00 ug/ml	0.00
79) d12-Perylene	12.464	264	1274956	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	2.682	112	107380	7.25 ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 9.67%#		
5) d5-Phenol	3.697	99	132117	7.60 ug/ml	-0.01
Spiked Amount 75.000	Range 22 - 110		Recovery = 10.13%#		
20) d5-nitrobenzene	4.595	82	101584	7.89 ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 15.78%#		
39) 2-Fluorobiphenyl	6.395	172	230004	8.45 ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 16.90%#		
60) 2,4,6-Tribromophenol	7.795	330	34592	7.55 ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 10.07%#		
73) d14-p-terphenyl	10.019	244	234320	8.00 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 16.00%#		

Target Compounds					Qvalue
2) BENZALDEHYDE	3.570	77	35621	4.14 ug/ml	97
3) n-Decane	3.898	57	89014	3.90 ug/ml	99
6) Acetophenone	4.450	105	72880	3.58 ug/ml	100
21) alpha-terpineol	5.376	93	22015	3.83 ug/ml	99
22) 2,3-dichloroaniline	6.301	161	62368	3.80 ug/ml	97
24) CAPROLACTAM	5.754	55	38736	3.67 ug/ml#	69
25) 1,2,4,5-TETRACHLOROBEN...	6.184	216	61097	3.97 ug/ml	99
53) ATRAZINE	8.244	200	36062	4.13 ug/ml	100
59) 4-(tert octyl) Phenol	7.591	135	165531	4.07 ug/ml	99
62) Octadecane	8.438	57	89986	4.04 ug/ml	97

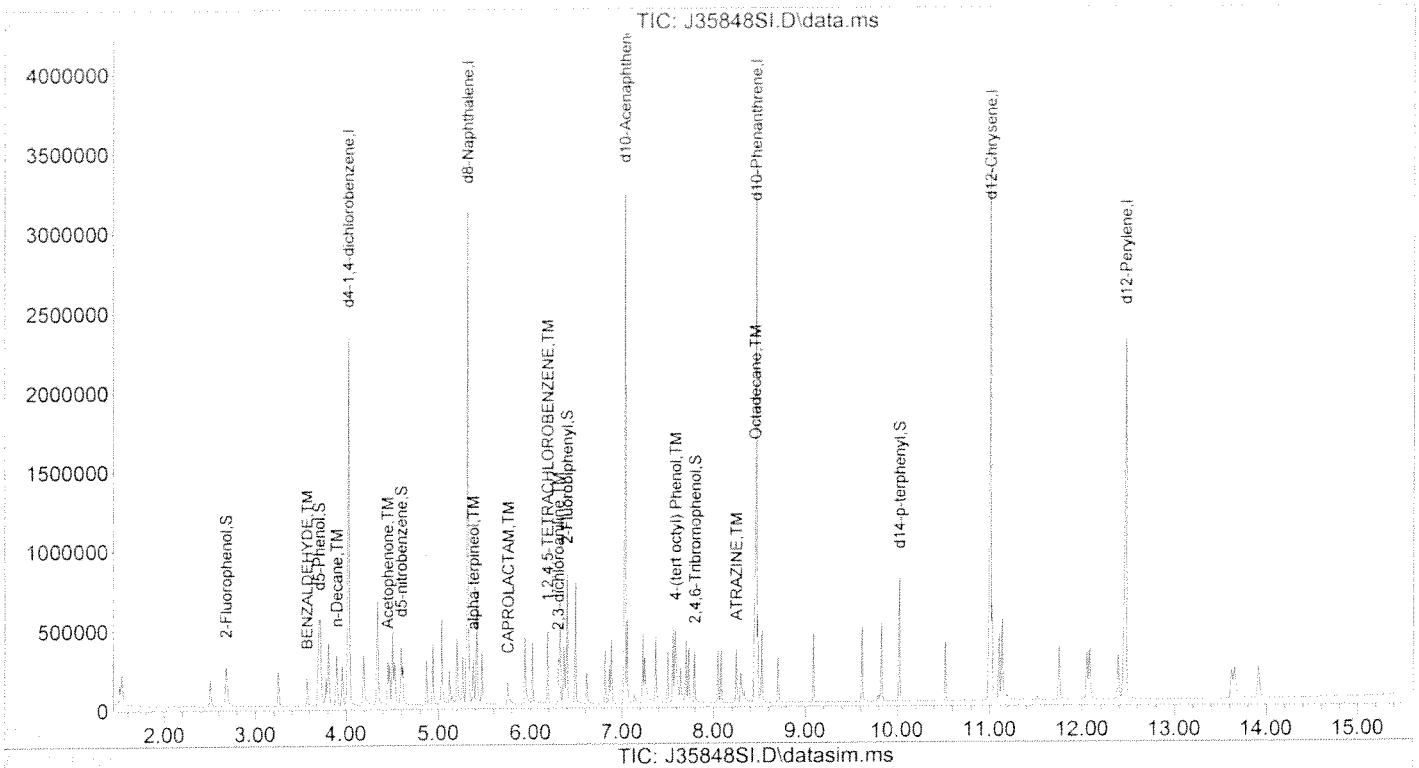
(#) = qualifier out of range (m) = manual integration (+) = signals summed

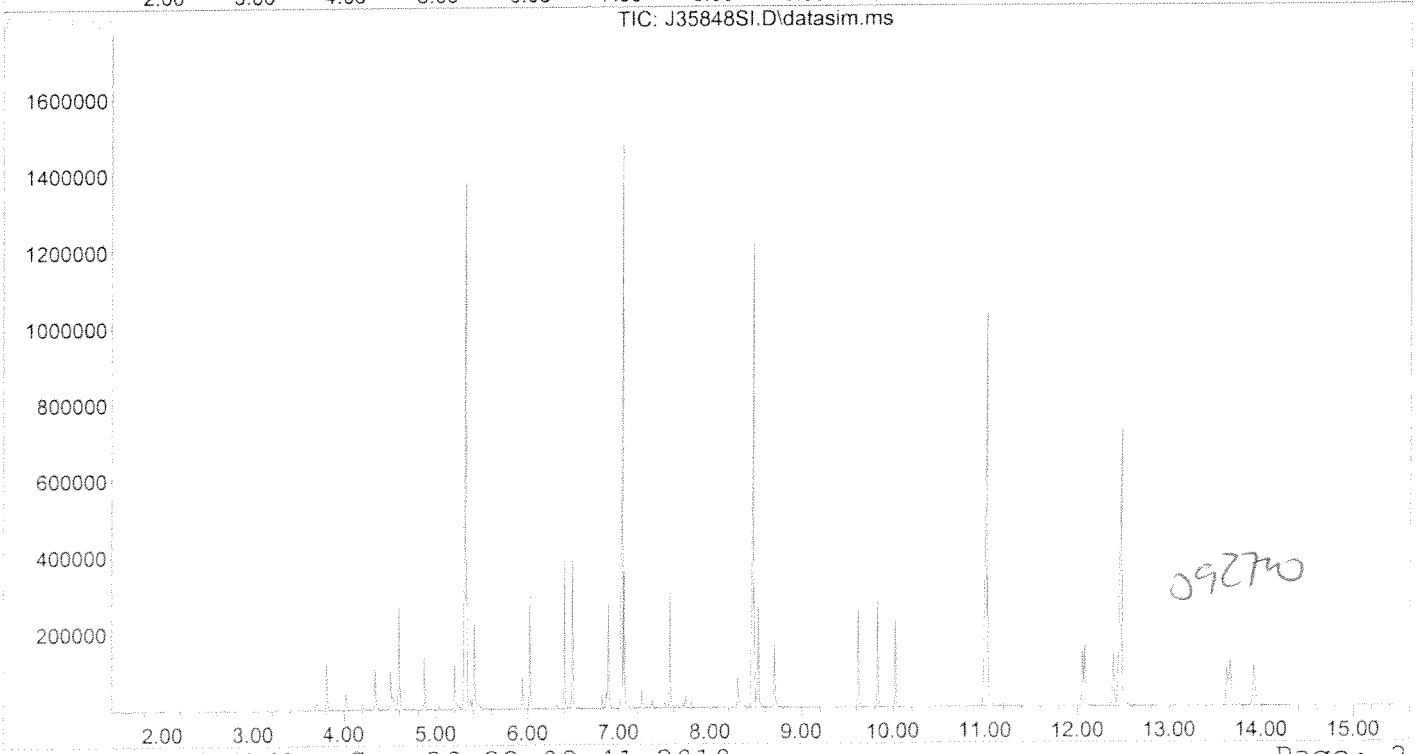
JRZ TW

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35848SI.D
Acq On : 18 Sep 2010 1:22 am
Operator : AR/MG
Sample : S10114 4/8
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 20 21:57:20 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MR 9/23/10





092710

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 21:58:48 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.024	152	472123	40.00 ug/ml	0.00
19) d8-Naphthalene	5.310	136	1349962	40.00 ug/ml	0.00
35) d10-Acenaphthene	7.033	164	781418	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.461	188	1378842	40.00 ug/ml	0.00
71) d12-Chrysene	11.004	240	1424119	40.00 ug/ml	0.00
79) d12-Perylene	12.464	264	1276175	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	2.682	112	282215	18.45 ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 24.60%#		
5) d5-Phenol	3.701	99	340940	18.99 ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 25.32%		
20) d5-nitrobenzene	4.599	82	248045	19.26 ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 38.52%#		
39) 2-Fluorobiphenyl	6.399	172	544819	19.46 ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 38.92%#		
60) 2,4,6-Tribromophenol	7.795	330	86954	18.47 ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 24.63%#		
73) d14-p-terphenyl	10.019	244	537438	18.48 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 36.96%		

Target Compounds					Qvalue
2) BENZALDEHYDE	3.575	77	94457	10.63 ug/ml	98
3) n-Decane	3.898	57	225053	9.55 ug/ml	100
6) Acetophenone	4.454	105	191100	9.09 ug/ml	99
21) alpha-terpineol	5.380	93	55022	9.57 ug/ml	96
22) 2,3-dichloroaniline	6.305	161	155226	9.45 ug/ml	99
24) CAPROLACTAM	5.781	55	93719m	8.88 ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.189	216	149032	9.66 ug/ml	100
53) ATRAZINE	8.249	200	89172	9.93 ug/ml	99
59) 4-(tert octyl) Phenol	7.591	135	416708	9.96 ug/ml	100
62) Octadecane	8.438	57	222789	9.78 ug/ml	98

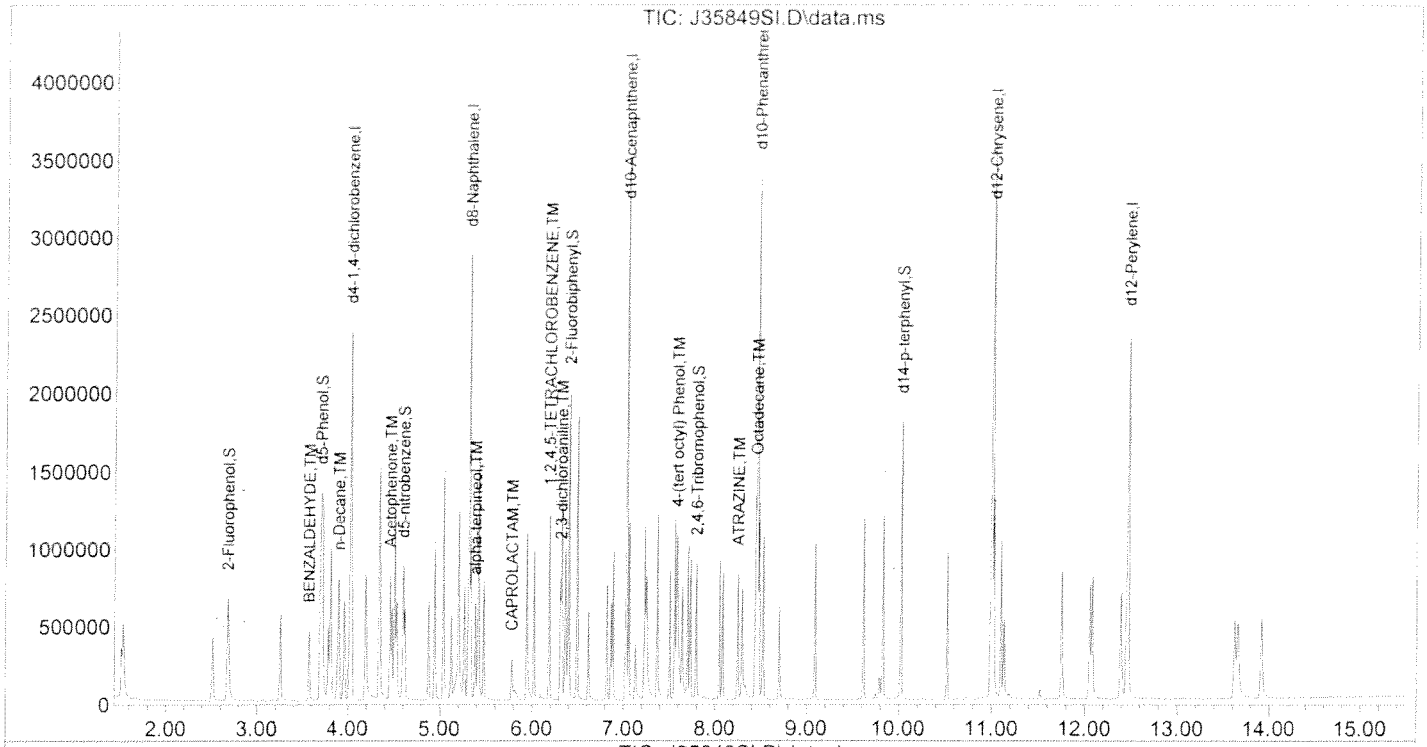
(#) = qualifier out of range (m) = manual integration (+) = signals summed

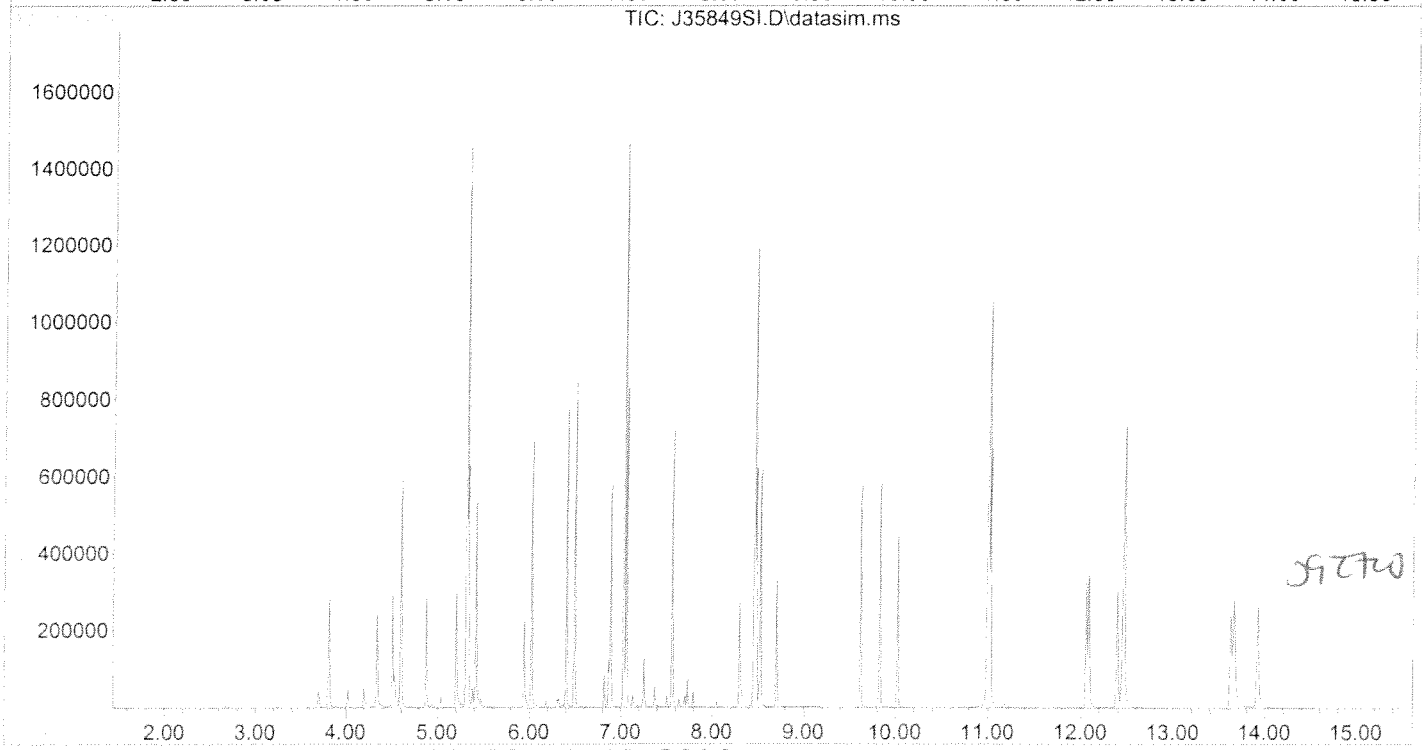
59270

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 21:58:48 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MN
9/03/10





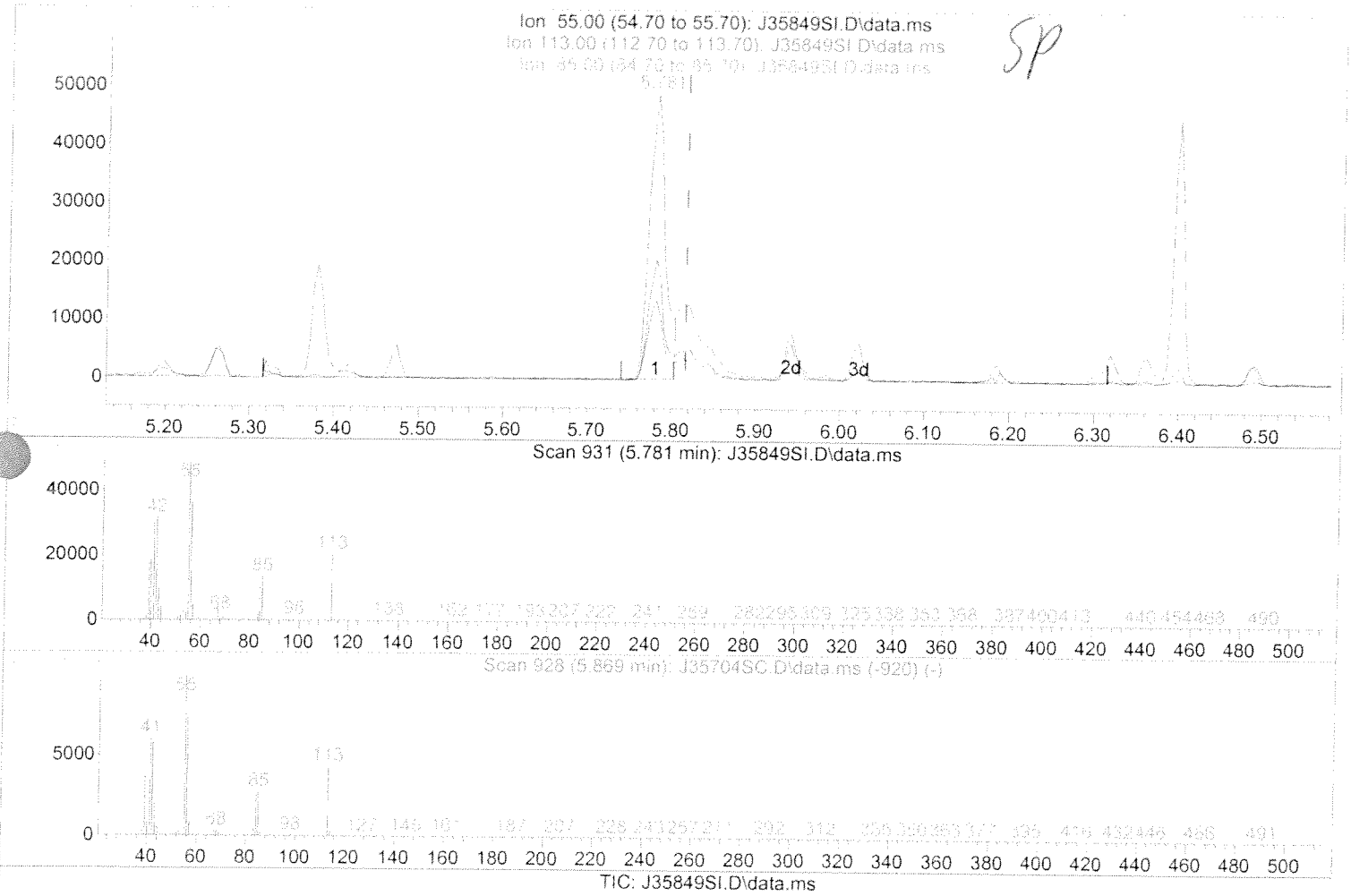
SGTW

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 21:57:24 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

ON 9/23/10

SP



(24) CAPROLACTAM (TM)

5.781min (-0.036) 6.20ug/ml

response 65463

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	40.58#
85.00	15.50	26.20#
0.00	0.00	0.00

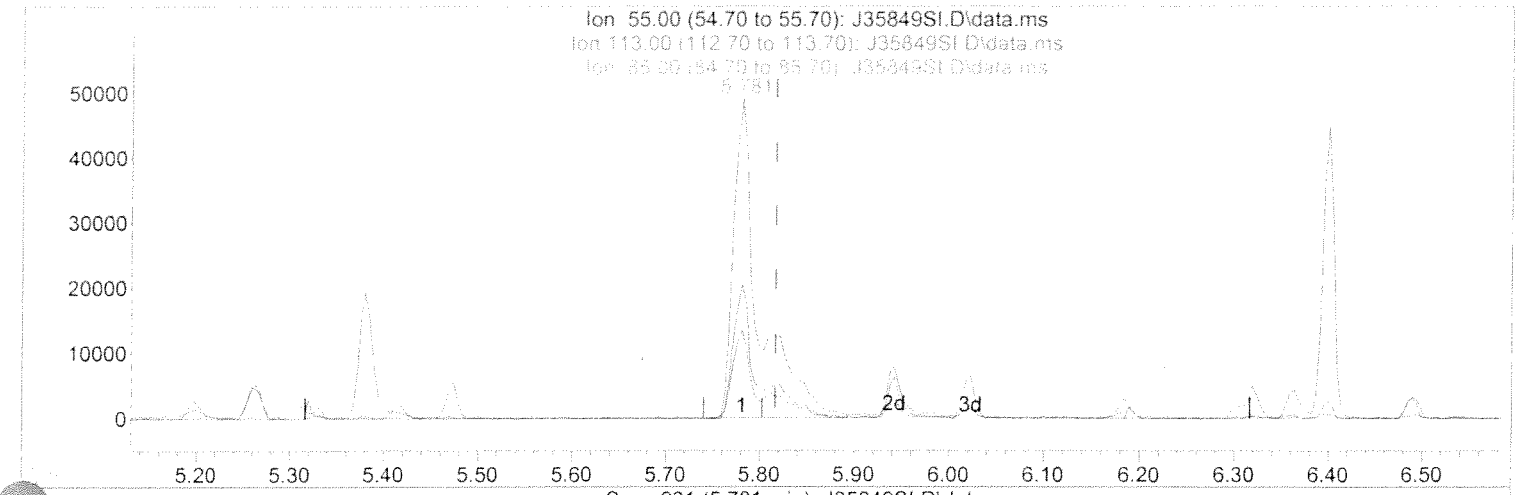
J9270

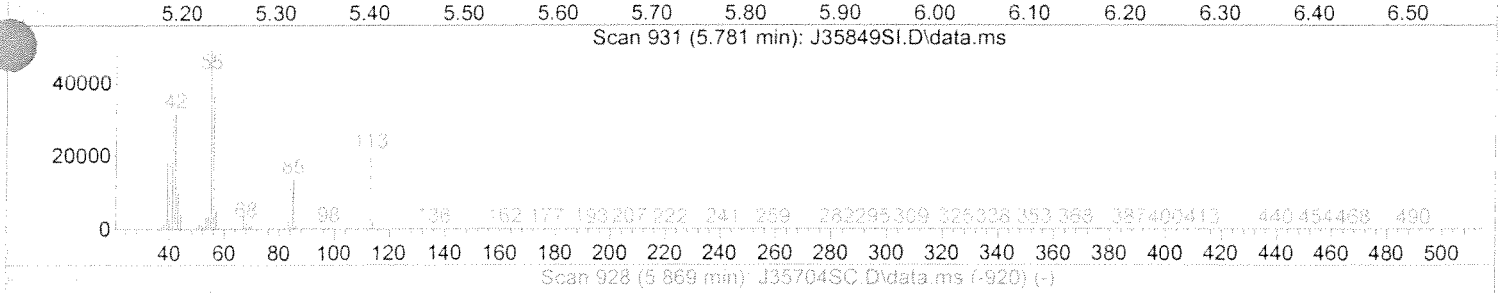
Quantitation Report (Qedit)

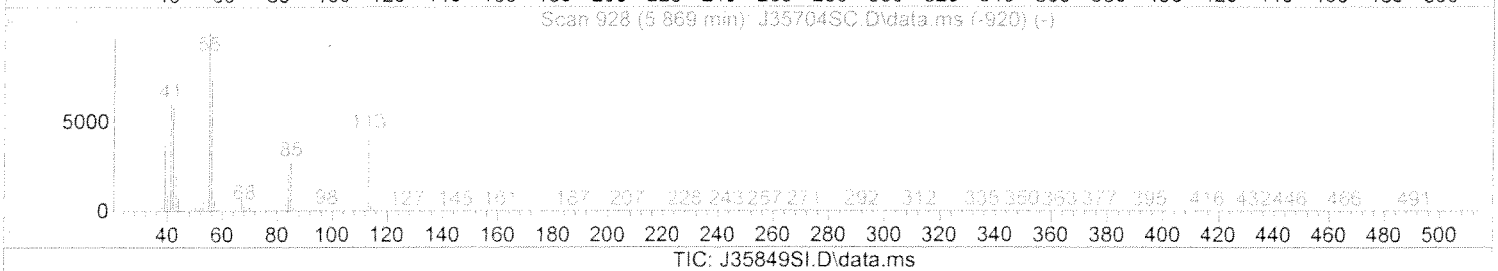
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35849SI.D
Acq On : 18 Sep 2010 1:43 am
Operator : AR/MG
Sample : S10113 10/20
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 20 21:57:24 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MY 9/23/10







TIC: J35849SI.D\data.ms

J92740

(24) CAPROLACTAM (TM)

5.781min (-0.036) 8.88ug/ml m

response 93719

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	28.34#
85.00	15.50	18.30
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 20 21:59:37 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.024	152	460045	40.00 ug/ml	0.00
19) d8-Naphthalene	5.315	136	1393266	40.00 ug/ml	0.00
35) d10-Acenaphthene	7.033	164	781747	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.460	188	1380967	40.00 ug/ml	0.00
71) d12-Chrysene	11.007	240	1376809	40.00 ug/ml	0.00
79) d12-Perylene	12.468	264	1268991	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	2.682	112	552185	37.04 ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 49.39%		
5) d5-Phenol	3.711	99	648551	37.07 ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 49.43%		
20) d5-nitrobenzene	4.604	82	479600	36.07 ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 72.14%		
39) 2-Fluorobiphenyl	6.404	172	1042078	37.21 ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 74.42%		
60) 2,4,6-Tribromophenol	7.800	330	171686	36.45 ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 48.60%#		
73) d14-p-terphenyl	10.023	244	981814	34.92 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 69.84%		

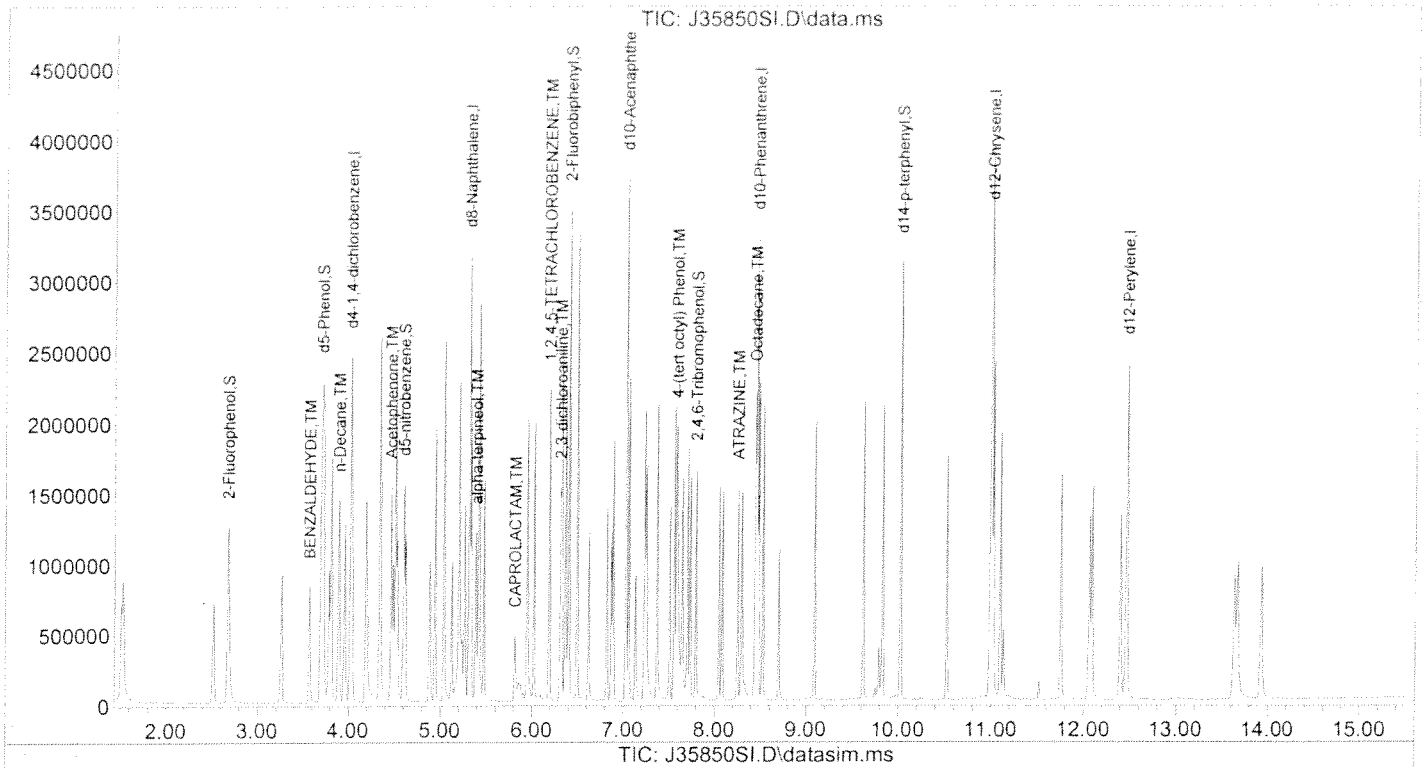
Target Compounds					Qvalue
2) BENZALDEHYDE	3.575	77	181816	21.00 ug/ml	100
3) n-Decane	3.898	57	418299	18.22 ug/ml	100
6) Acetophenone	4.459	105	379585	18.53 ug/ml	100
21) alpha-terpineol	5.390	93	108677	18.31 ug/ml	100
22) 2,3-dichloroaniline	6.305	161	310048	18.30 ug/ml	100
24) CAPROLACTAM	5.817	55	205962m	18.90 ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.189	216	290620	18.26 ug/ml	100
53) ATRAZINE	8.253	200	169391	18.85 ug/ml	100
59) 4-(tert octyl) Phenol	7.596	135	799626	19.10 ug/ml	100
62) Octadecane	8.438	57	414418	18.17 ug/ml	100

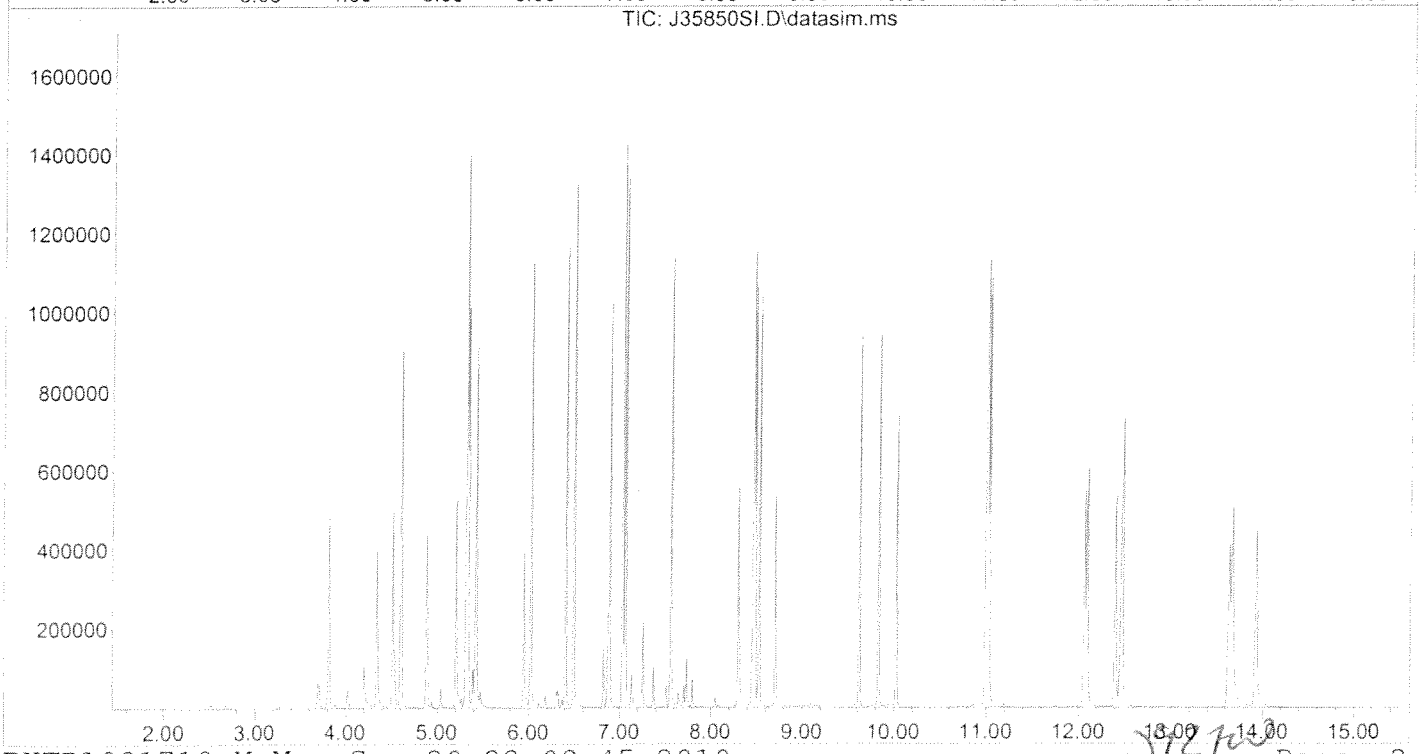
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 20 21:59:37 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MN
9/23/10



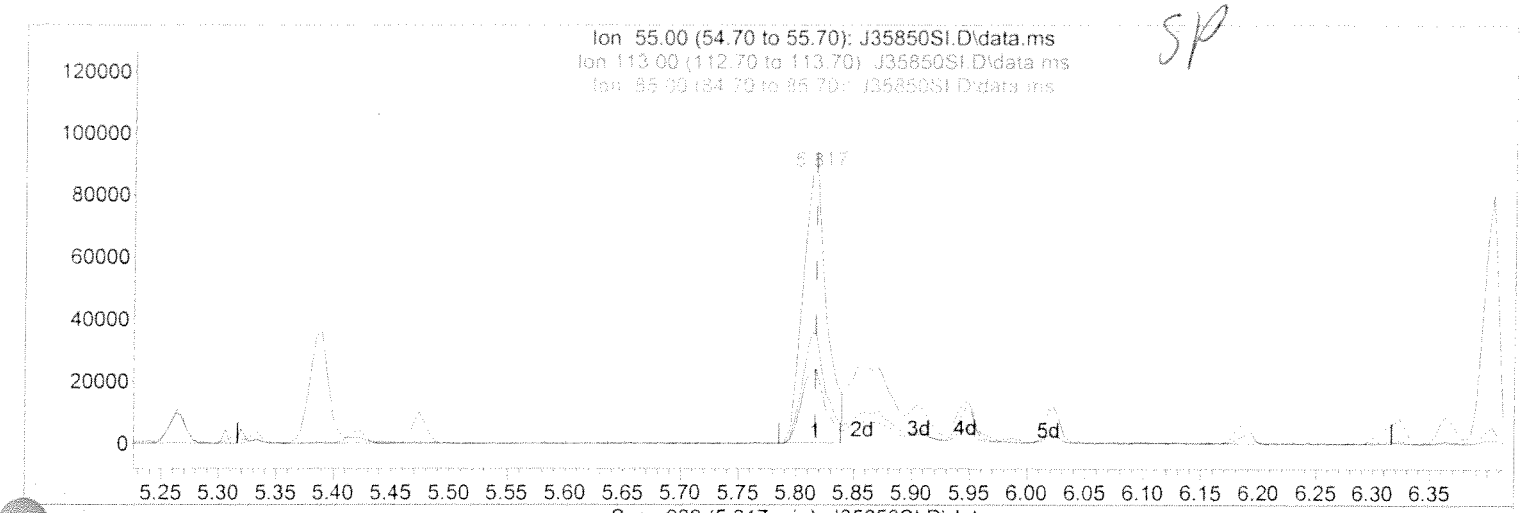


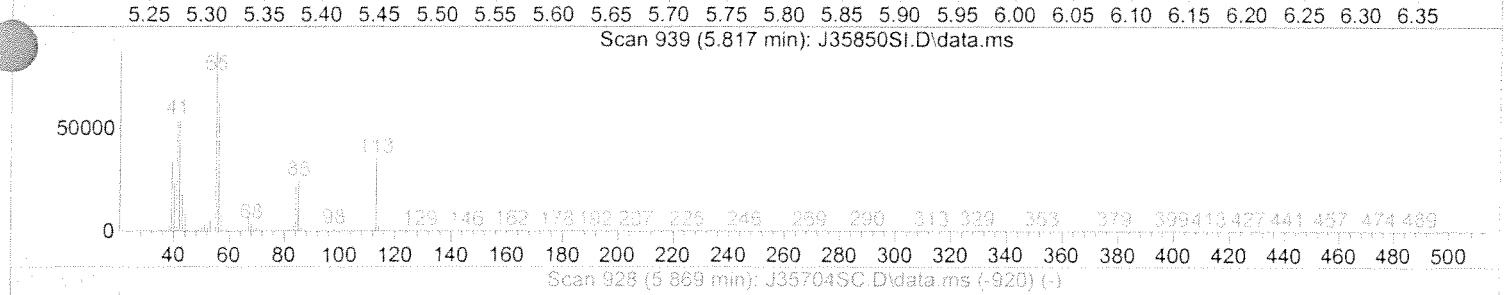
Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

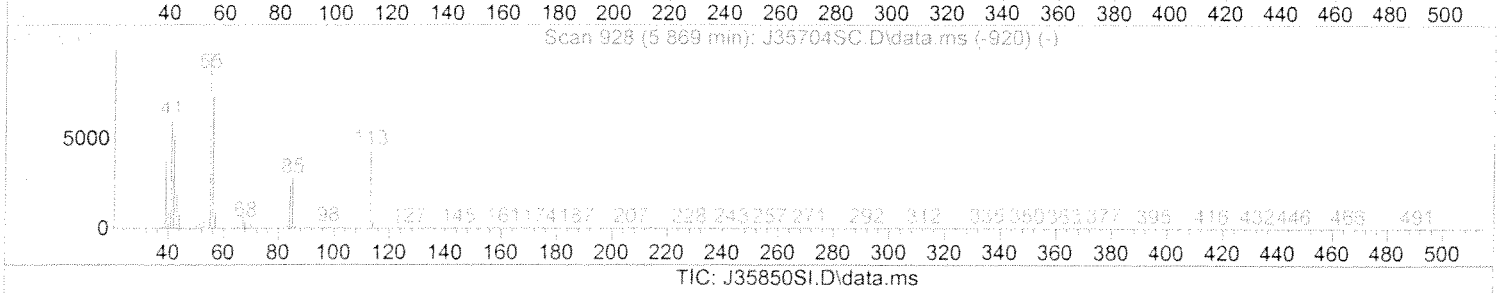
Quant Time: Sep 20 21:57:26 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MR 9/23/10

SP







TIC: J35850SI.D\data.ms

(24) CAPROLACTAM (TM)

5.817min (0.000) 11.72ug/ml

response 127740

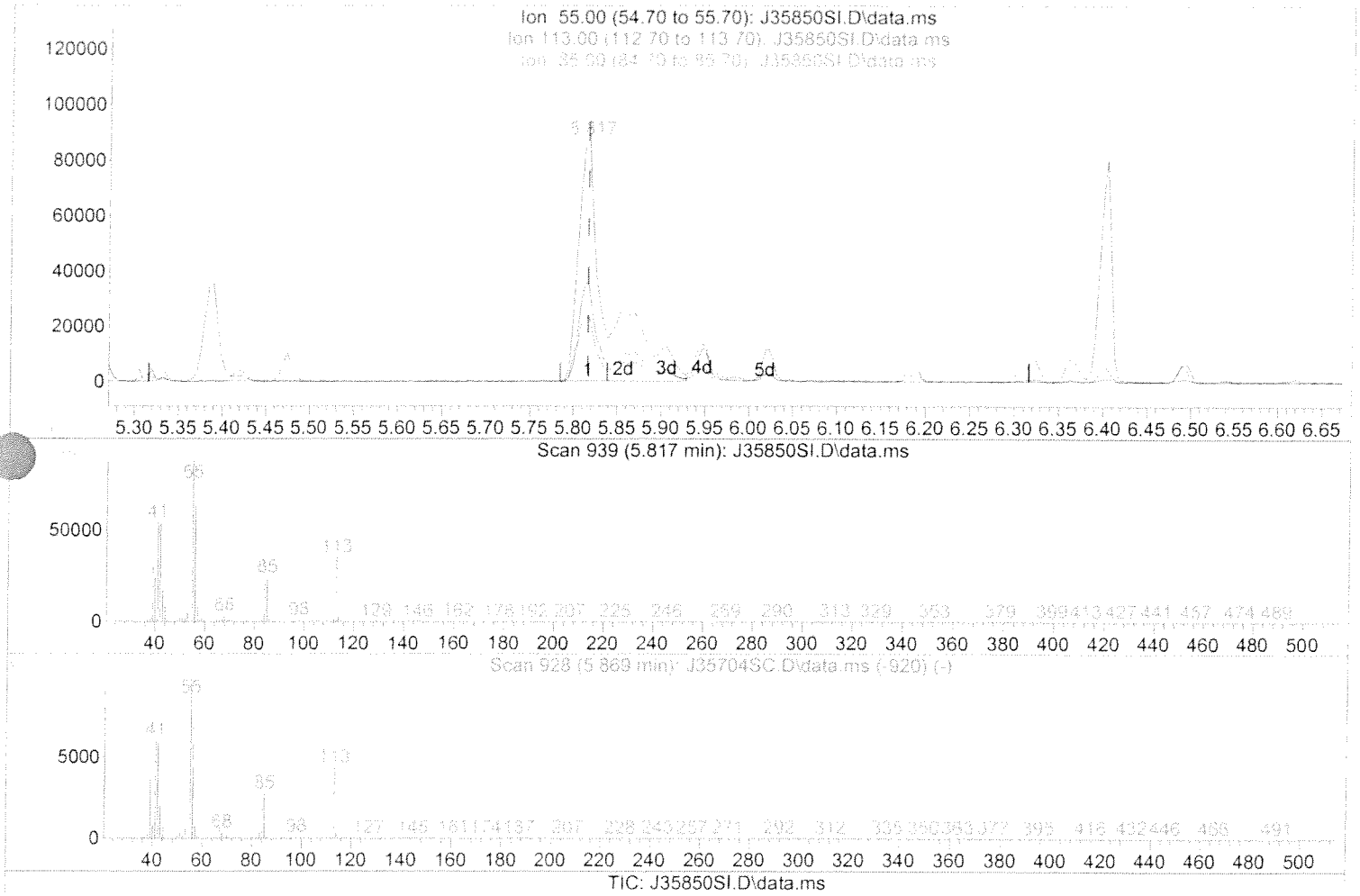
Ion	Exp%	Act%
55.00	100	100
113.00	22.60	40.42#
85.00	15.50	27.68#
0.00	0.00	0.00

J92740

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35850SI.D
Acq On : 18 Sep 2010 2:04 am
Operator : AR/MG
Sample : S10112 20/40
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 20 21:57:26 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

PN 9/23/10



(24) CAPROLACTAM (TM)

5.817min (0.000) 18.90ug/ml m

response 205962

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	25.07
85.00	15.50	17.17
0.00	0.00	0.00

D927W

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 20 22:00:08 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

PM 9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.029	152	489998	40.00	ug/ml	0.00
19) d8-Naphthalene	5.320	136	1488181	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.033	164	850398	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.465	188	1445498	40.00	ug/ml	0.00
71) d12-Chrysene	11.011	240	1396191	40.00	ug/ml	0.00
79) d12-Perylene	12.471	264	1315258	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.691	112	1167683	73.54	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 98.05%			
5) d5-Phenol	3.729	99	1306700	70.11	ug/ml	0.02
Spiked Amount 75.000	Range 22 - 110		Recovery = 93.48%			
20) d5-nitrobenzene	4.618	82	972257	68.46	ug/ml	0.01
Spiked Amount 50.000	Range 45 - 107		Recovery = 136.92%#			
39) 2-Fluorobiphenyl	6.413	172	2002131	65.72	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 131.44%#			
60) 2,4,6-Tribromophenol	7.809	330	370439	72.30	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 96.40%			
73) d14-p-terphenyl	10.030	244	1952589	68.49	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 136.98%#			

Target Compounds						Qvalue
2) BENZALDEHYDE	3.584	77	364556	39.53	ug/ml	98
3) n-Decane	3.902	57	862743	35.28	ug/ml	99
6) Acetophenone	4.473	105	790723	36.24	ug/ml	99
21) alpha-terpineol	5.399	93	229809	36.25	ug/ml	93
22) 2,3-dichloroaniline	6.314	161	616065	34.04	ug/ml	99
24) CAPROLACTAM	5.875	55	418419m	35.95	ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.193	216	561755	33.05	ug/ml	100
53) ATRAZINE	8.267	200	340260	34.81	ug/ml	100
59) 4-(tert octyl) Phenol	7.601	135	1598093	35.10	ug/ml	99
62) Octadecane	8.443	57	791755	33.16	ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

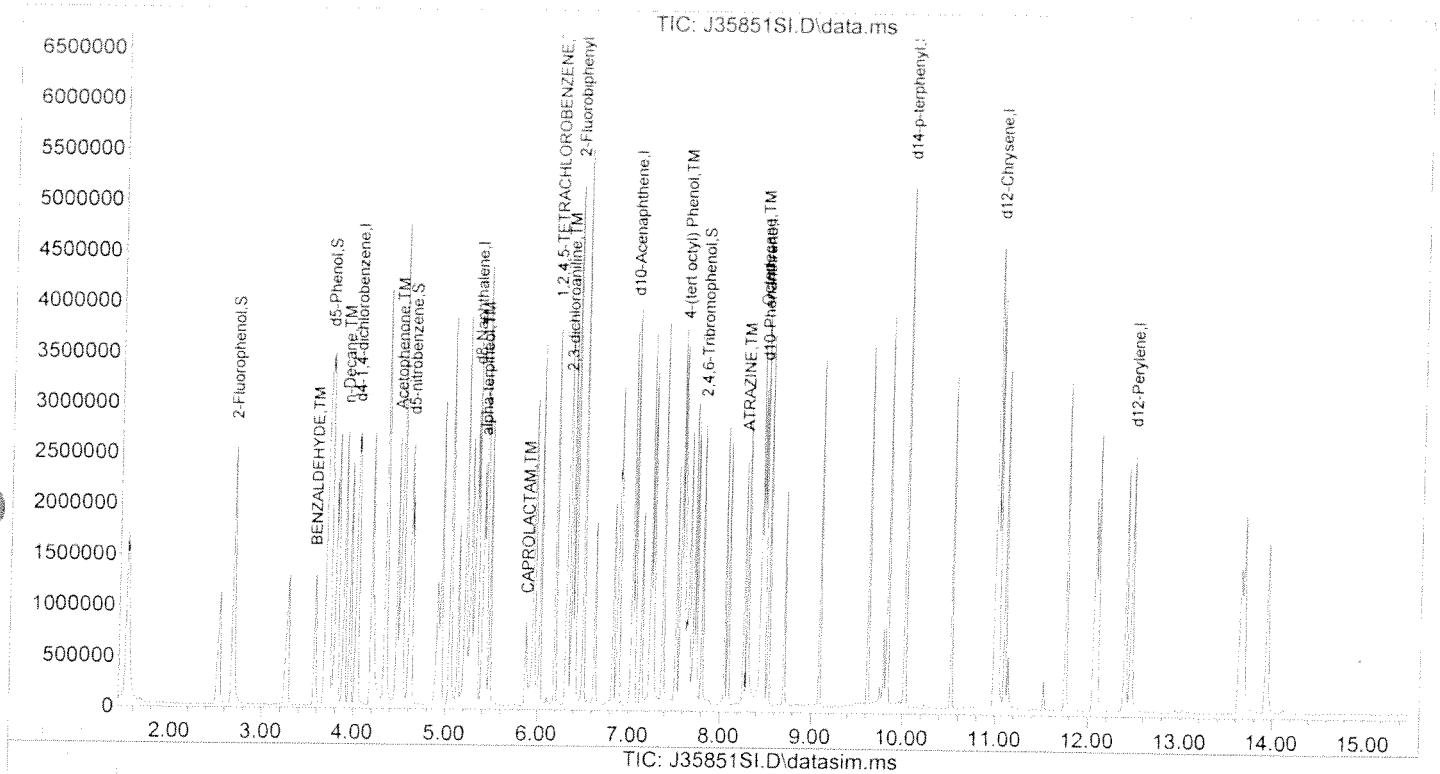
J92710

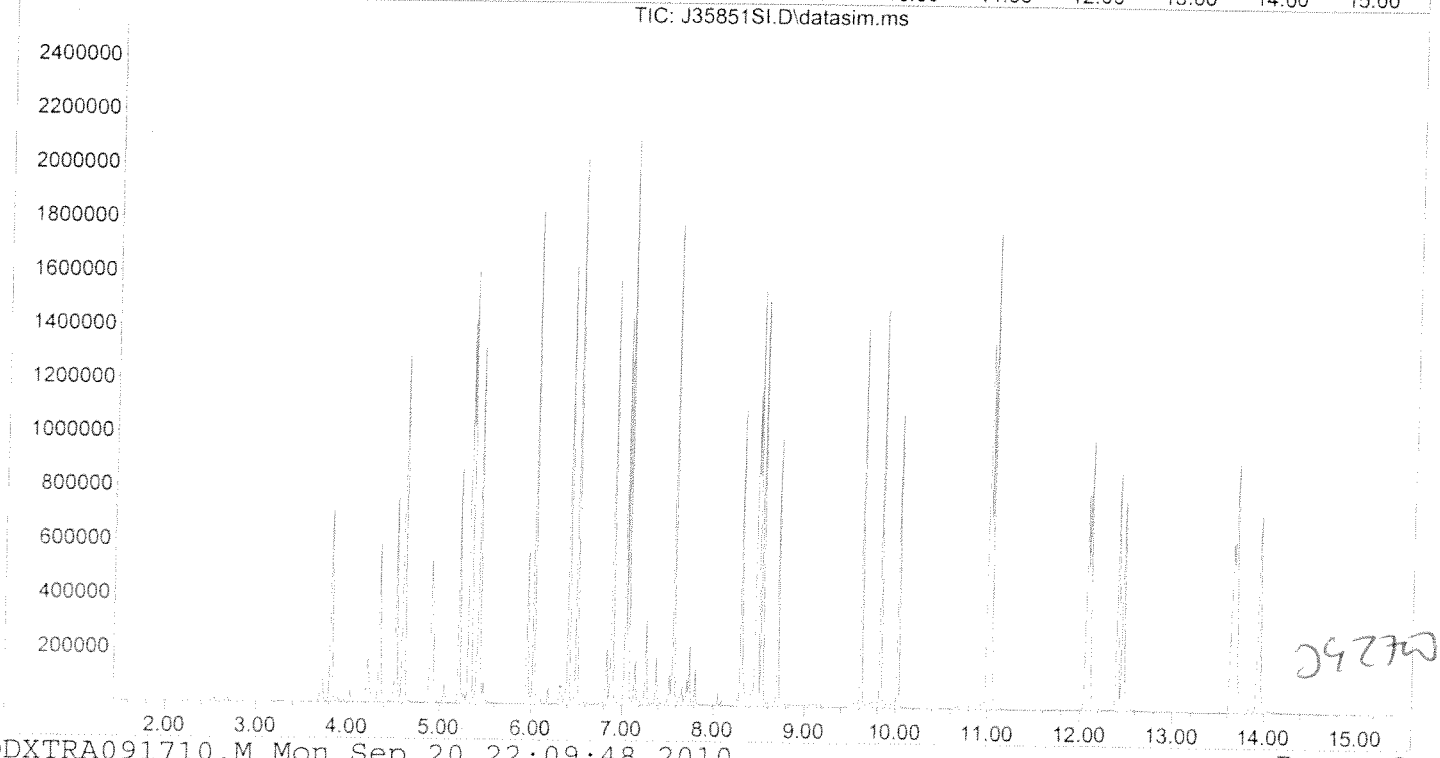
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 20 22:00:08 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

9/23/10



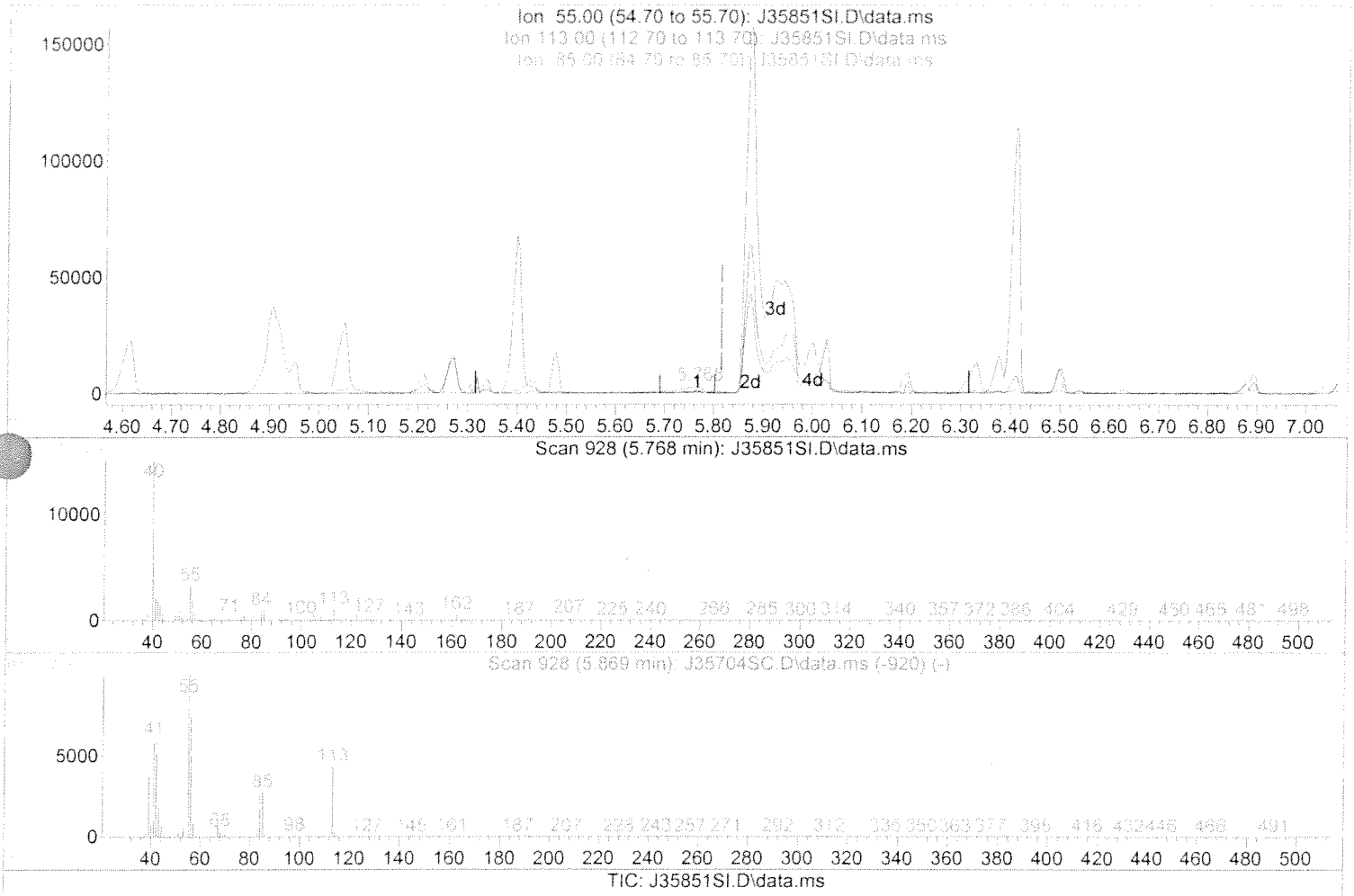


29270

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 20 21:57:30 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

9/23/10



(24) CAPROLACTAM (TM)

5.768min (-0.049) 0.66ug/ml

response 7722

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	20.90
85.00	15.50	13.91
0.00	0.00	0.00

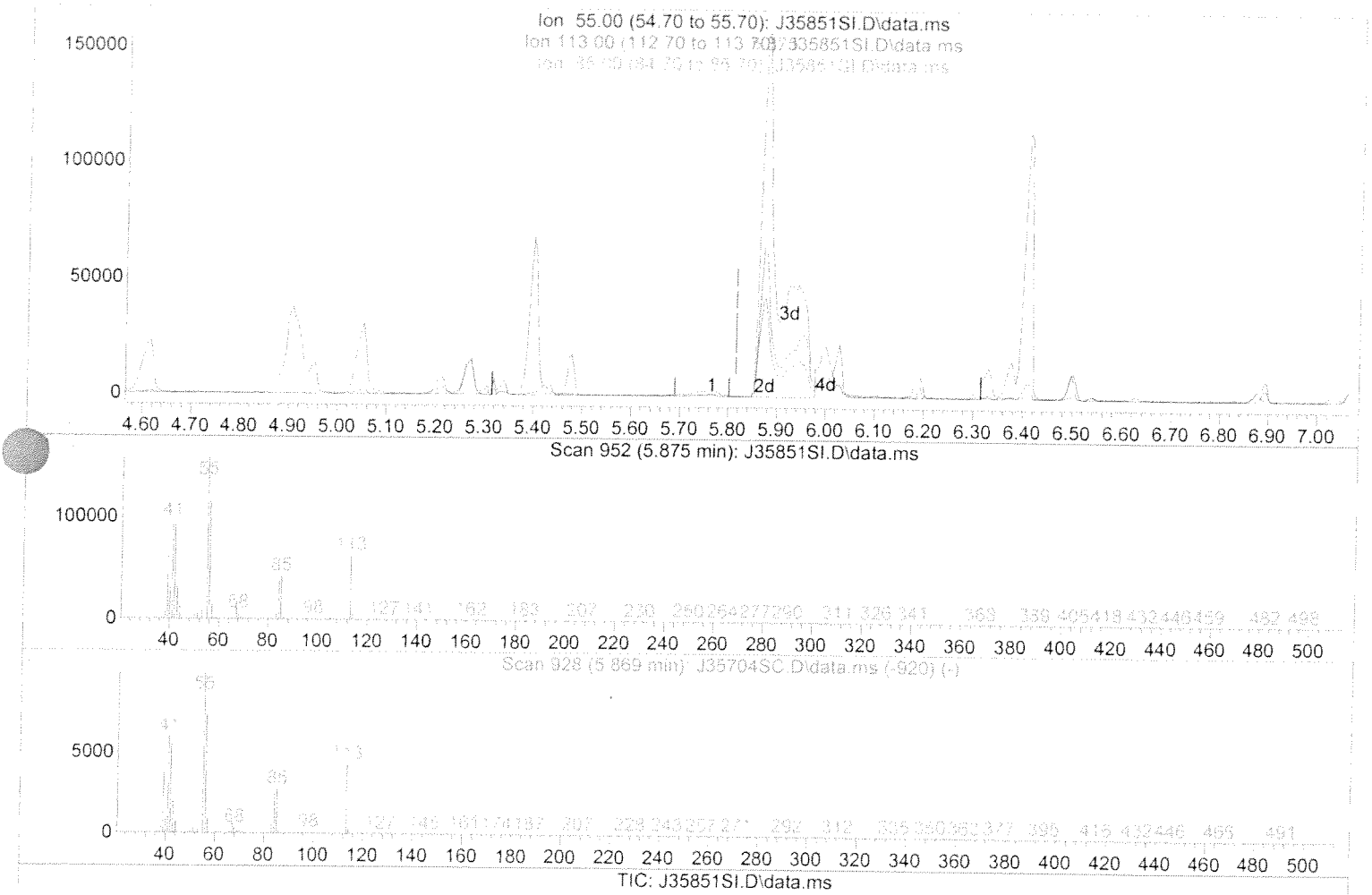
SRZW

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35851SI.D
Acq On : 18 Sep 2010 2:25 am
Operator : AR/MG
Sample : S10111 40/80
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 20 21:57:30 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MC 9/23/10



(24) CAPROLACTAM (TM)

5.875min (+0.058) 35.95ug/ml m

response 418419

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	0.39#
85.00	15.50	0.26#
0.00	0.00	0.00

39270

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 20 22:00:55 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.029	152	480235	40.00	ug/ml	0.00
19) d8-Naphthalene	5.320	136	1425038	40.00	ug/ml	0.00
35) d10-Acenaphthene	7.038	164	835715	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.465	188	1407295	40.00	ug/ml	0.00
71) d12-Chrysene	11.015	240	1356071	40.00	ug/ml	0.00
79) d12-Perylene	12.475	264	1310149	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.696	112	1416094	90.99	ug/ml	0.01
Spiked Amount 75.000	Range 28 - 110		Recovery = 121.32%#			
5) d5-Phenol	3.734	99	1560517	85.44	ug/ml	0.02
Spiked Amount 75.000	Range 22 - 110		Recovery = 113.92%#			
20) d5-nitrobenzene	4.623	82	1144575	84.17	ug/ml	0.02
Spiked Amount 50.000	Range 45 - 107		Recovery = 168.34%#			
39) 2-Fluorobiphenyl	6.413	172	2309598	77.15	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 154.30%#			
60) 2,4,6-Tribromophenol	7.809	330	443001	87.98	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 117.31%			
73) d14-p-terphenyl	10.034	244	2267031	81.87	ug/ml	0.01
Spiked Amount 50.000	Range 33 - 132		Recovery = 163.74%#			
Target Compounds						Qvalue
2) BENZALDEHYDE	3.584	77	398265	44.06	ug/ml	99
3) n-Decane	3.902	57	1023435	42.70	ug/ml	99
6) Acetophenone	4.478	105	945449	44.21	ug/ml	99
21) alpha-terpineol	5.404	93	271087	44.66	ug/ml	92
22) 2,3-dichloroaniline	6.314	161	731275	42.19	ug/ml	99
24) CAPROLACTAM	5.897	55	473141m	42.45	ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.198	216	661399	40.63	ug/ml	100
53) ATRAZINE	8.271	200	400264	41.67	ug/ml	99
59) 4-(tert octyl) Phenol	7.605	135	1836935	41.05	ug/ml	99
62) Octadecane	8.443	57	875816	37.67	ug/ml	97

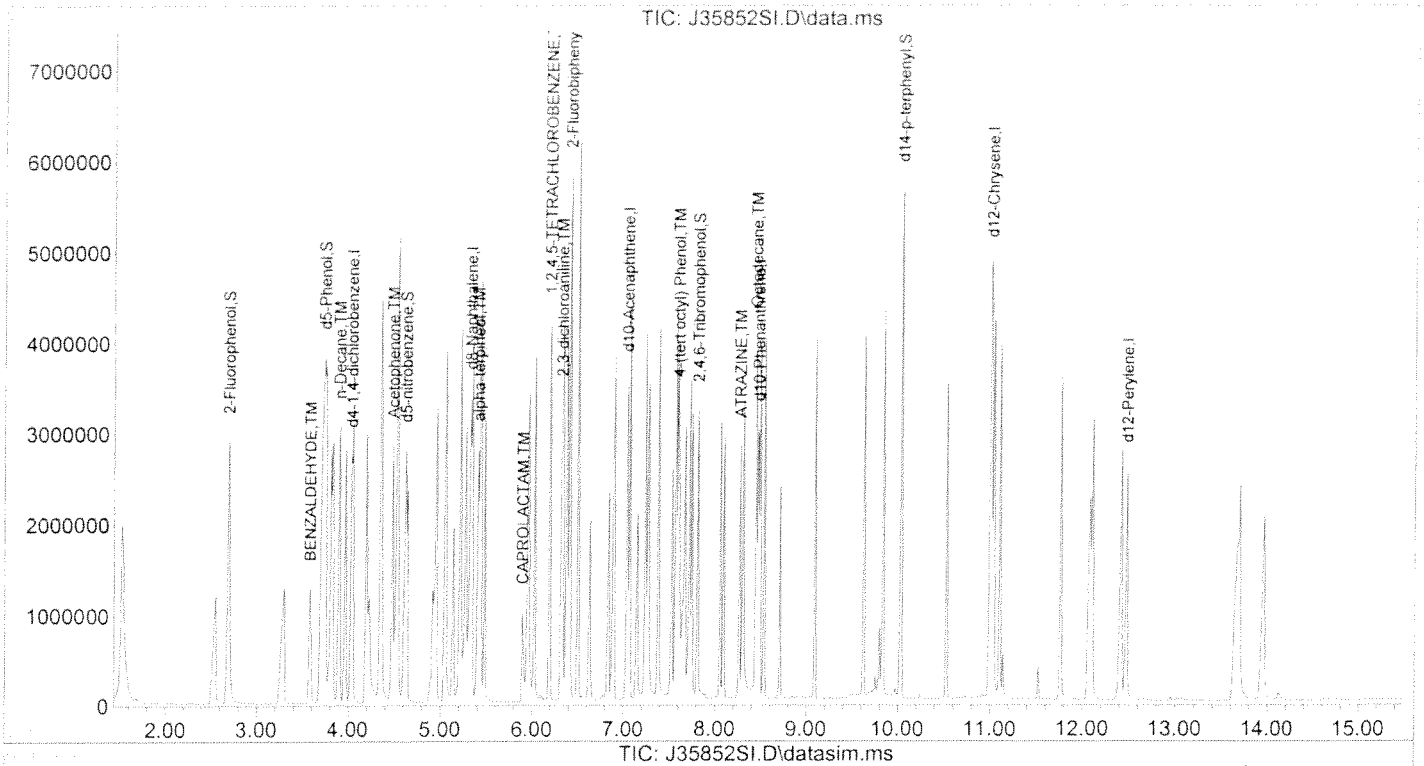
(#) = qualifier out of range (m) = manual integration (+) = signals summed

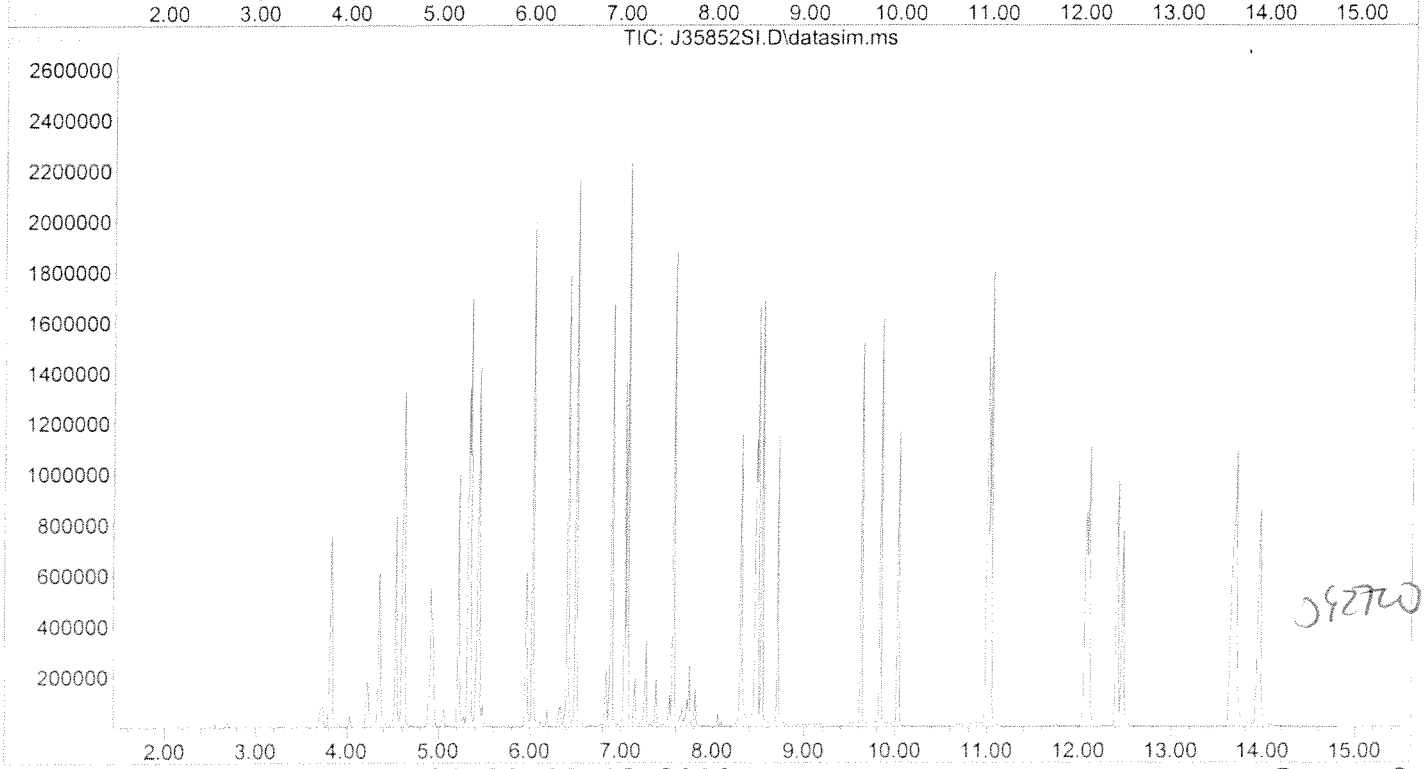
392720

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 20 22:00:55 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MN
9/23/10



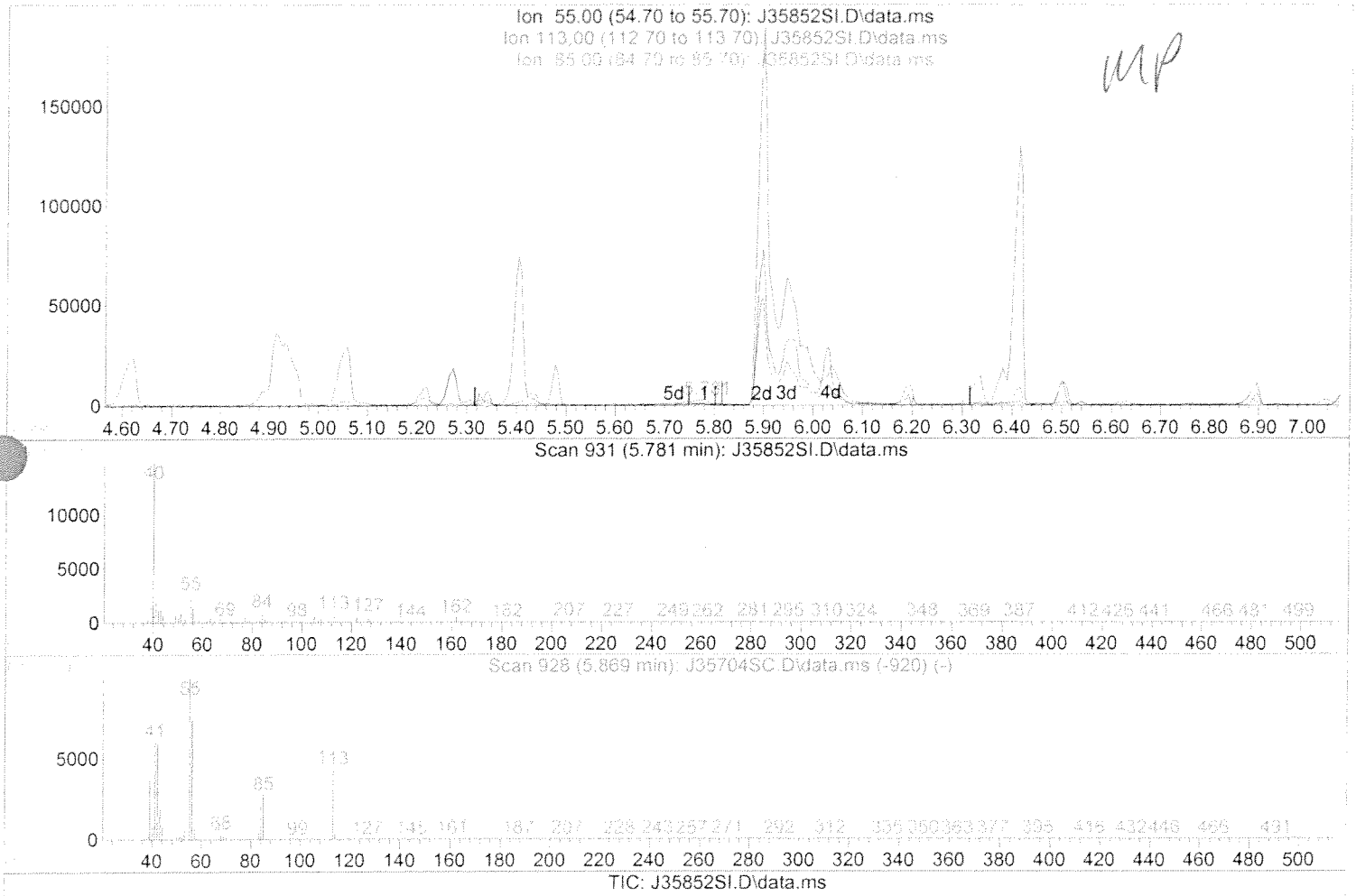


J5270

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 20 21:57:35 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

9/23/10



MP

(24) CAPROLACTAM (TM)

5.781min (-0.036) 0.39ug/ml

response 4332

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	0.00#
85.00	15.50	0.00#
0.00	0.00	0.00

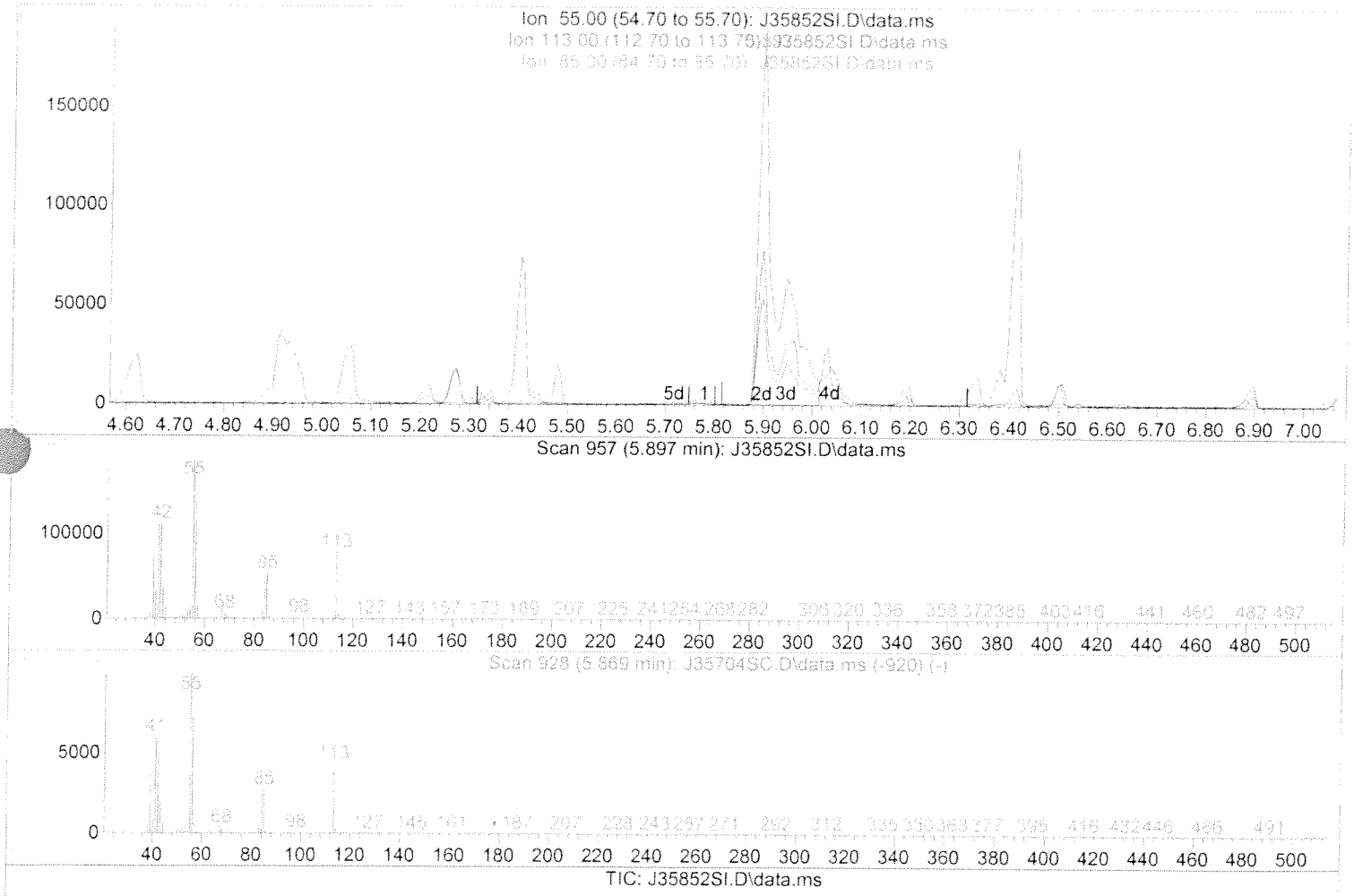
J92710

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35852SI.D
Acq On : 18 Sep 2010 2:46 am
Operator : AR/MG
Sample : S10110 50/100
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 20 21:57:35 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

9/23/10



(24) CAPROLACTAM (TM)

5.897min (+0.081) 42.45ug/ml m

response 473141

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	0.00#
85.00	15.50	0.00#
0.00	0.00	0.00

512 ND

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

OK 9/23/10

Quant Time: Sep 20 22:02:10 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.033	152	416868	40.00	ug/ml	0.00
19) d8-Naphthalene	5.329	136	1279367	40.00	ug/ml	0.01
35) d10-Acenaphthene	7.043	164	729349	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.474	188	1175803	40.00	ug/ml	0.01
71) d12-Chrysene	11.018	240	1078785	40.00	ug/ml	0.01
79) d12-Perylene	12.482	264	1111750	40.00	ug/ml	0.01

System Monitoring Compounds

4) 2-Fluorophenol	2.705	112	2292569	169.71	ug/ml	0.02
Spiked Amount 75.000	Range 28 - 110		Recovery = 226.28%#			
5) d5-Phenol	3.757	99	2498109	157.56	ug/ml	0.05
Spiked Amount 75.000	Range 22 - 110		Recovery = 210.08%#			
20) d5-nitrobenzene	4.636	82	1899391	155.58	ug/ml	0.03
Spiked Amount 50.000	Range 45 - 107		Recovery = 311.16%#			
39) 2-Fluorobiphenyl	6.426	172	3438043	131.59	ug/ml	0.02
Spiked Amount 50.000	Range 44 - 102		Recovery = 263.18%#			
60) 2,4,6-Tribromophenol	7.824	330	707940	161.09	ug/ml	0.02
Spiked Amount 75.000	Range 63 - 127		Recovery = 214.79%#			
73) d14-p-terphenyl	10.041	244	3494890	158.66	ug/ml	0.02
Spiked Amount 50.000	Range 33 - 132		Recovery = 317.32%#			

Target Compounds

						Qvalue
2) BENZALDEHYDE	3.589	77	414056	52.77	ug/ml	100
3) n-Decane	3.907	57	1591946	76.51	ug/ml	97
6) Acetophenone	4.496	105	1612512	86.87	ug/ml	92
21) alpha-terpineol	5.418	93	402982	73.95	ug/ml	90
22) 2,3-dichloroaniline	6.323	161	1128868	72.55	ug/ml	100
24) CAPROLACTAM	5.951	55	726326m	72.59	ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.207	216	1013316	69.34	ug/ml	99
53) ATRAZINE	8.285	200	613446	73.18	ug/ml	99
59) 4-(tert octyl) Phenol	7.610	135	2658723	68.08	ug/ml	99
62) Octadecane	8.447	57	1311293	67.51	ug/ml	97

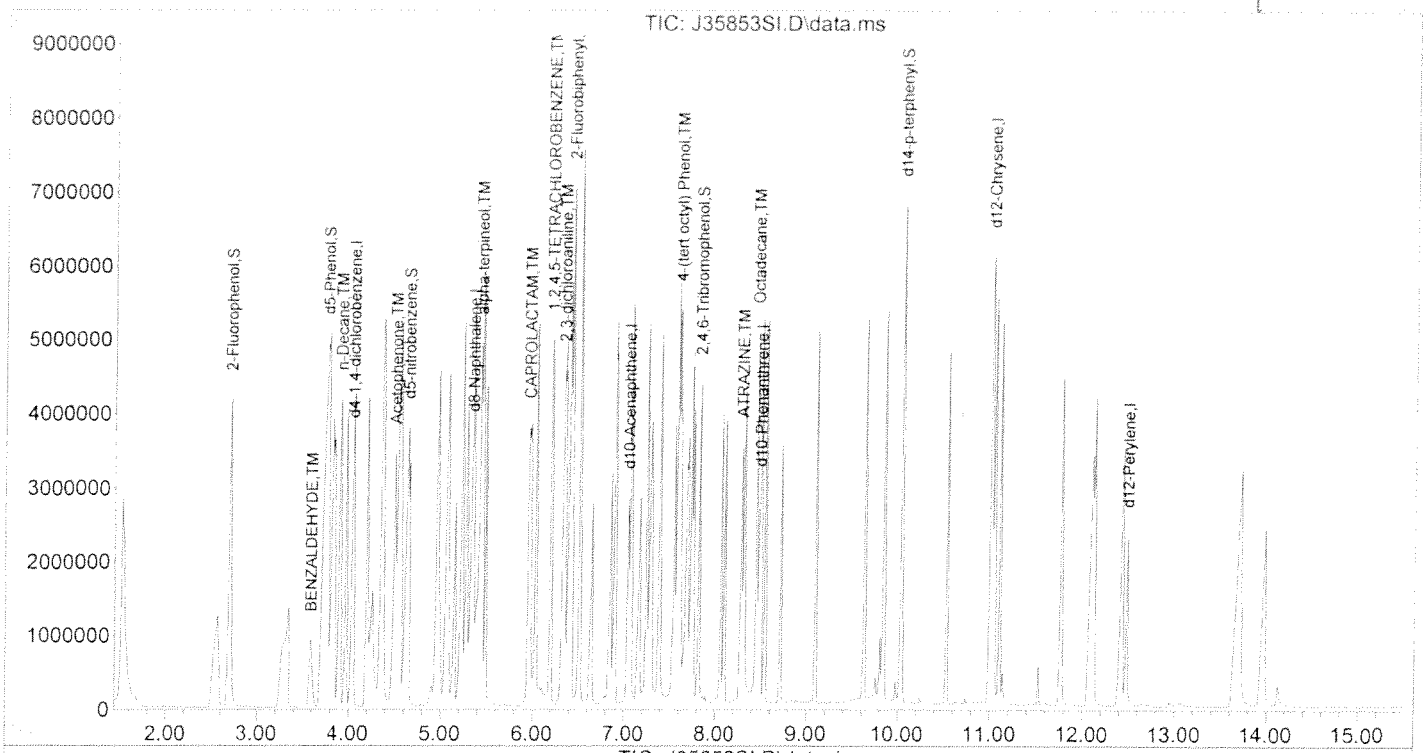
(#) = qualifier out of range (m) = manual integration (+) = signals summed

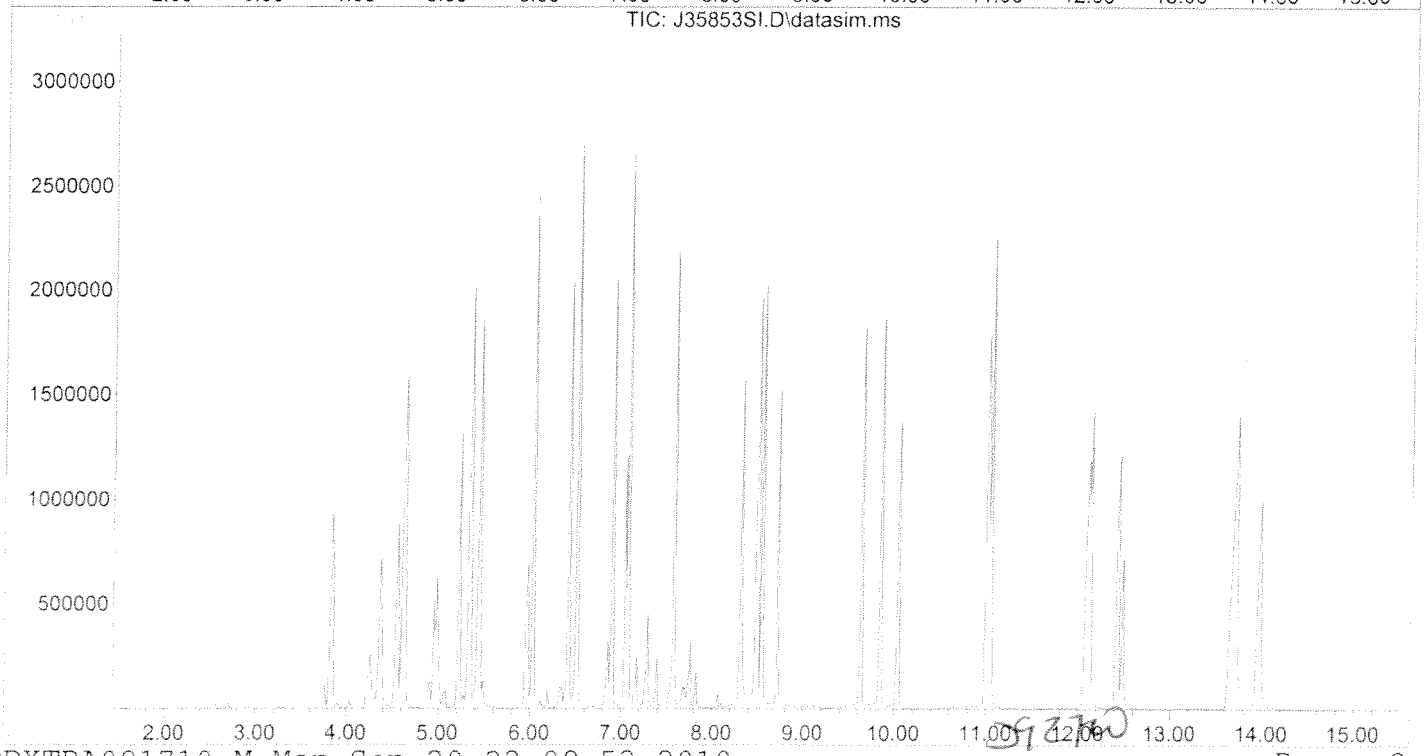
592740

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 20 22:02:10 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

AN 9/23/10





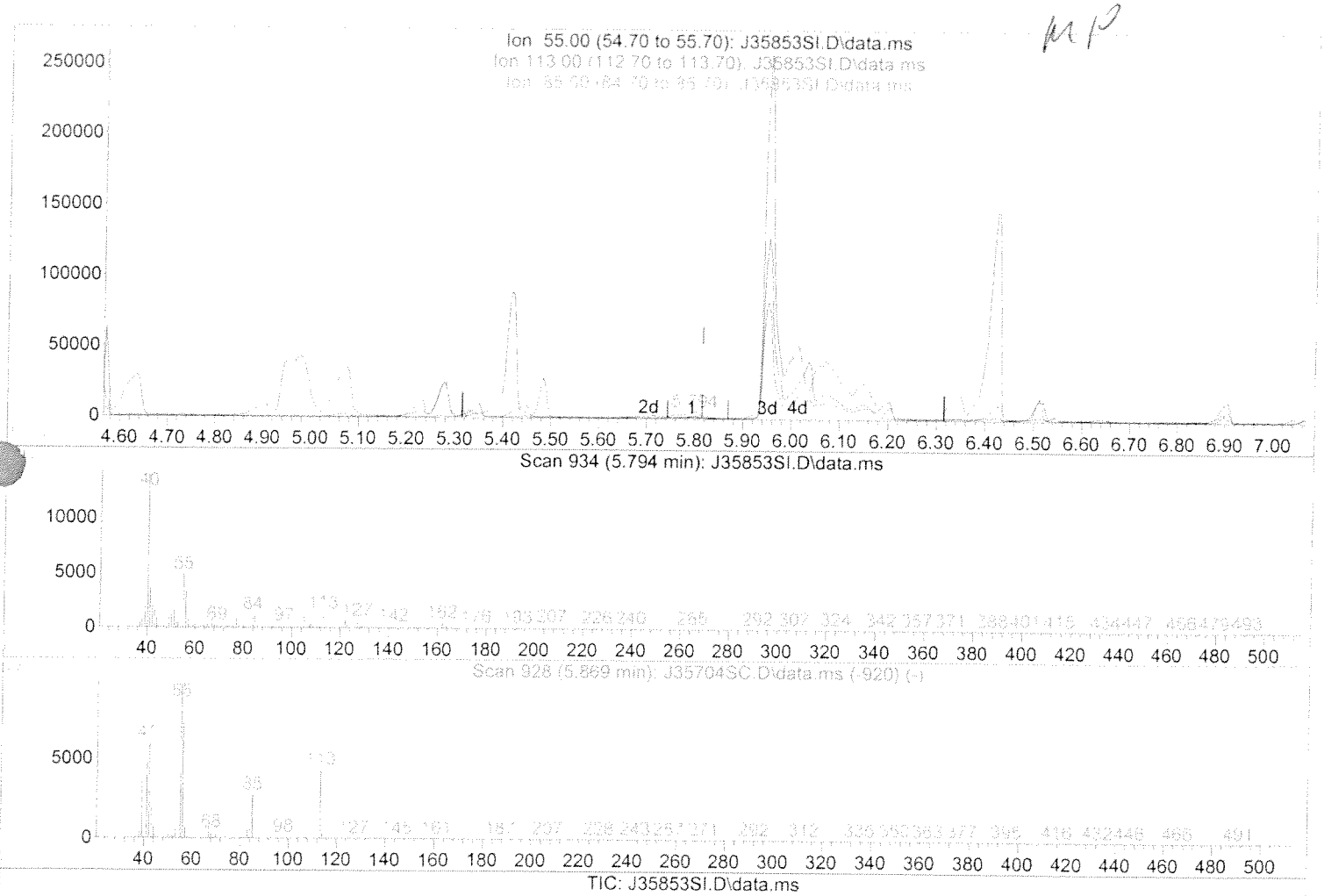
091710

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 20 21:57:39 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

MC
9/23/10
MP



(24) CAPROLACTAM (TM)

5.794min (-0.022) 1.20ug/ml

response 12001

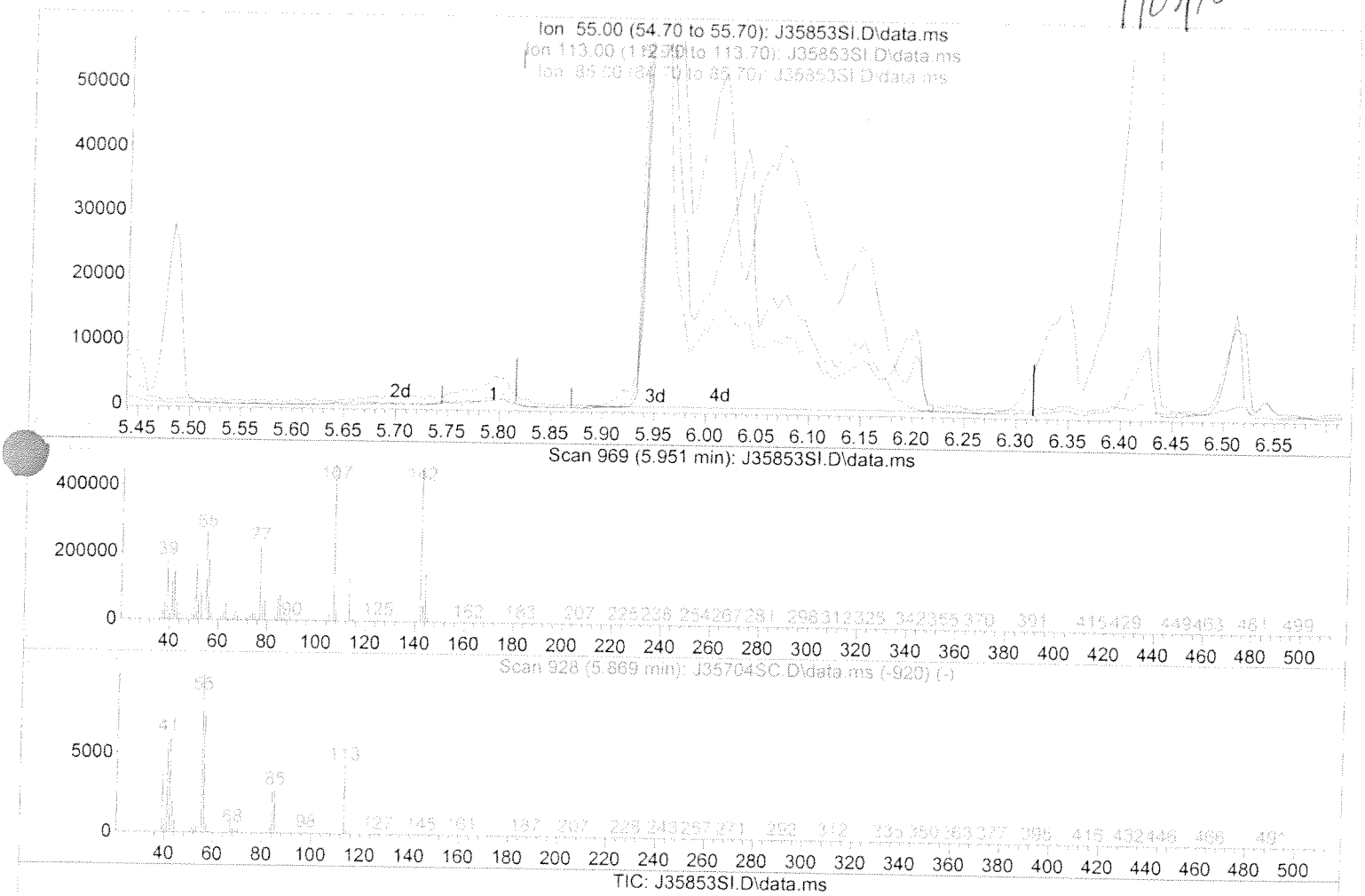
Ion	Exp%	Act%
55.00	100	100
113.00	22.60	23.79
85.00	15.50	26.31#
0.00	0.00	0.00

392720

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35853SI.D
Acq On : 18 Sep 2010 3:07 am
Operator : AR/MG
Sample : S10109 100/200
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 20 21:57:39 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 21:57:04 2010
Response via : Initial Calibration

PK 9/22/10



(24) CAPROLACTAM (TM)

5.951min (+0.134) 72.59ug/ml m

response 726326

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	0.39#
85.00	15.50	0.43#
0.00	0.00	0.00

59270

DOD EXTRAS
ICV

Data File Name **J35854.D**
Date Acquired **9/18/2010 3:28**
Sample Name **S10120 20/40 ICV**

9/23/10

Name	UG/L Amount	UG/L EXPECTED	% RECOVERY	80-120%
Acetophenone	19.76	20	99%	OK
BENZALDEHYDE	22.77	20	114%	OK
CAPROLACTAM	20.68	20	103%	OK
1,2,4,5-TETRACHLOROBENZENE	18.76	20	94%	OK
ATRAZINE	19.67	20	98%	OK

342710

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 20 22:08:15 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 22:06:39 2010
Response via : Initial Calibration

9/23/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) d4-1,4-dichlorobenzene	4.024	152	432827	40.00 ug/ml	0.00
19) d8-Naphthalene	5.315	136	1316767	40.00 ug/ml	0.00
35) d10-Acenaphthene	7.033	164	714707	40.00 ug/ml	0.00
61) d10-Phenanthrene	8.461	188	1285330	40.00 ug/ml	0.00
71) d12-Chrysene	11.007	240	1254654	40.00 ug/ml	0.00
79) d12-Perylene	12.468	264	1156473	40.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	2.686	112	543904	42.94 ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 57.25%		
5) d5-Phenol	3.710	99	631725	42.75 ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 57.00%		
20) d5-nitrobenzene	4.604	82	460931	40.62 ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 81.24%		
39) 2-Fluorobiphenyl	6.404	172	959057	42.56 ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 85.12%		
60) 2,4,6-Tribromophenol	7.800	330	169461	44.33 ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 59.11%#		
73) d14-p-terphenyl	10.023	244	911518	39.85 ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 79.70%		

Target Compounds					Qvalue
2) BENZALDEHYDE	3.575	77	186645	22.77 ug/ml	99
3) n-Decane	3.790	57	2710	0.14 ug/ml#	1
6) Acetophenone	4.459	105	343426	19.76 ug/ml	98
21) alpha-terpineol	5.418	93	3438	0.67 ug/ml#	1
22) 2,3-dichloroaniline	6.323	161	4268	0.30 ug/ml	89
24) CAPROLACTAM	5.817	55	185664m	20.68 ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.189	216	249232	18.76 ug/ml	100
53) ATRAZINE	8.253	200	146552	19.67 ug/ml	99
59) 4-(tert octyl) Phenol	7.644	135	1313	0.04 ug/ml#	1
62) Octadecane	8.704	57	2954	Below Cal #	50

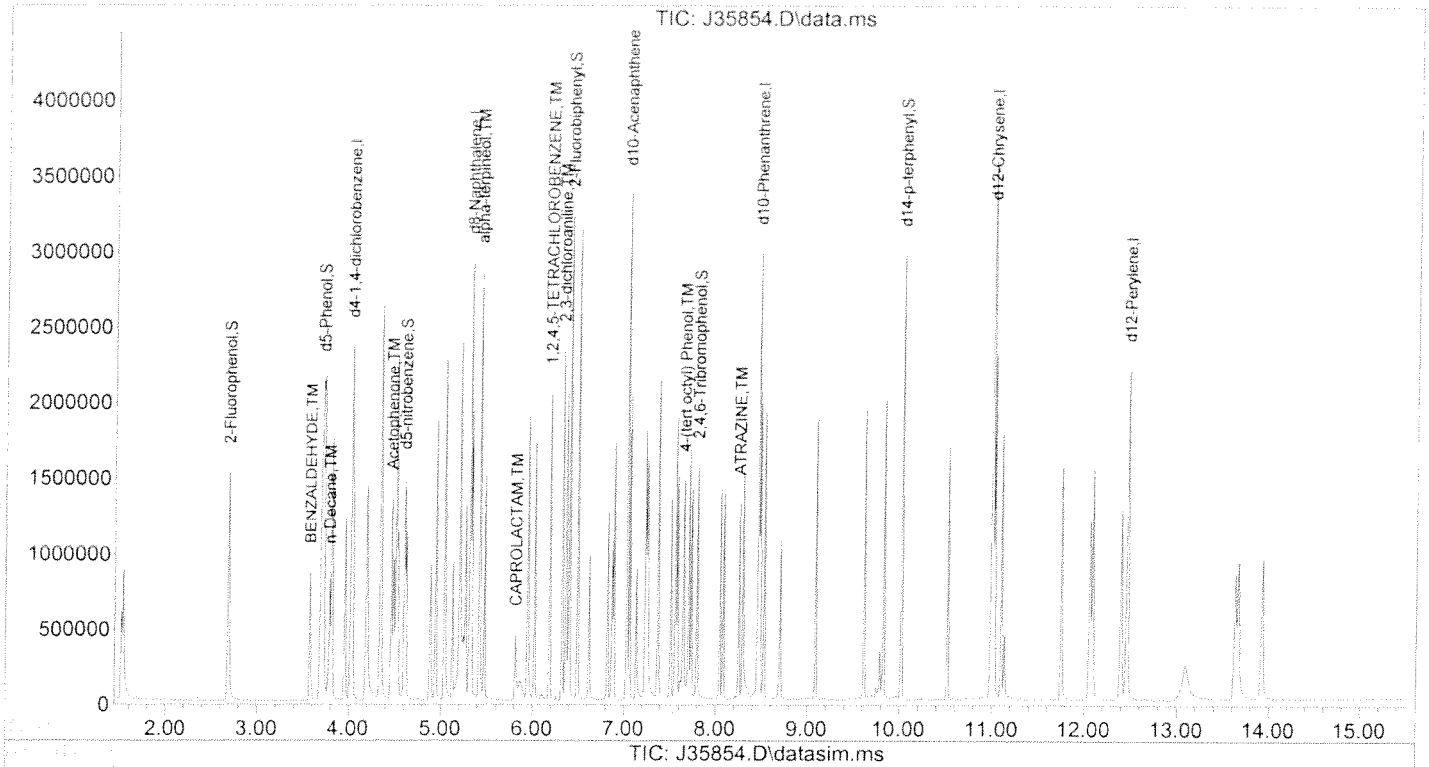
(#) = qualifier out of range (m) = manual integration (+) = signals summed

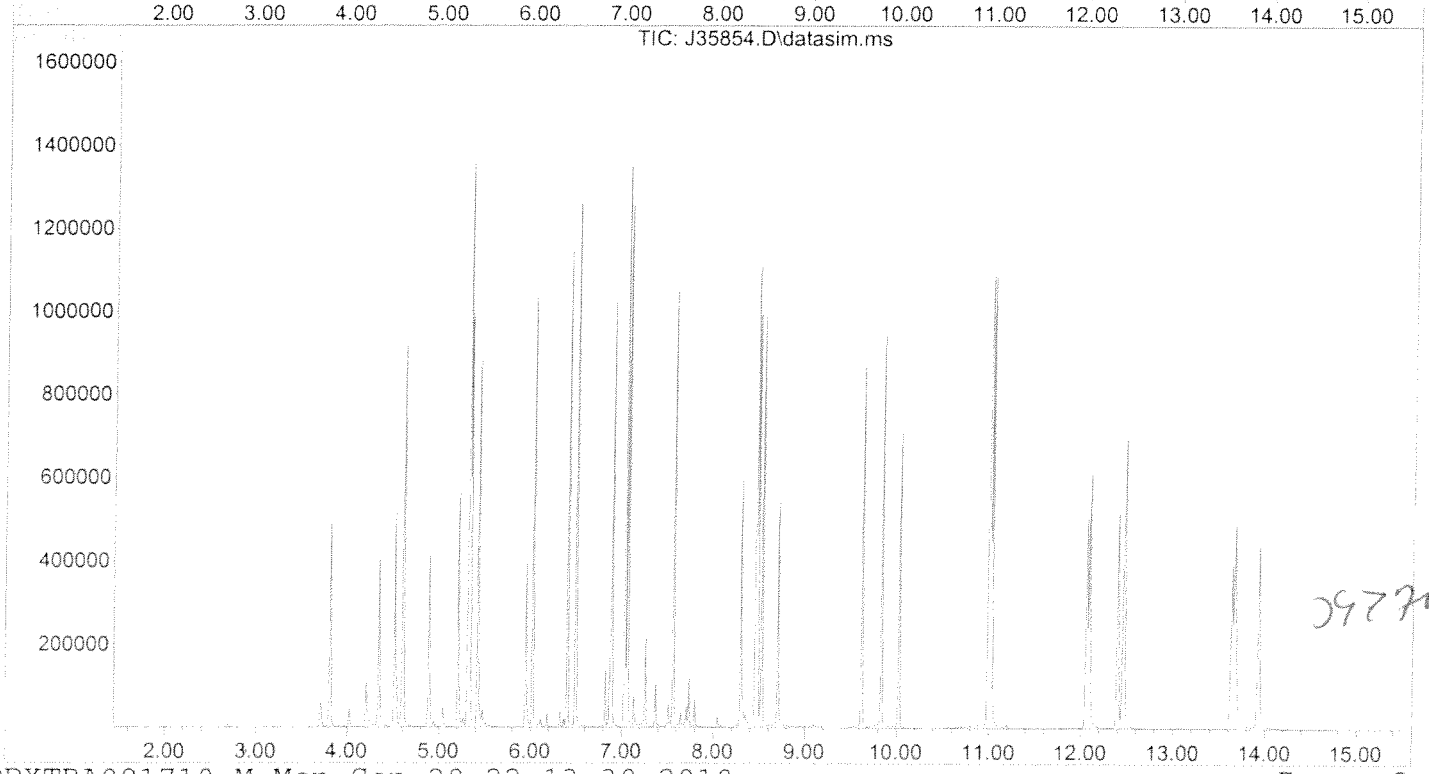
JGZ 9/27/10

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 20 22:08:15 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 22:06:39 2010
Response via : Initial Calibration

9/23/10

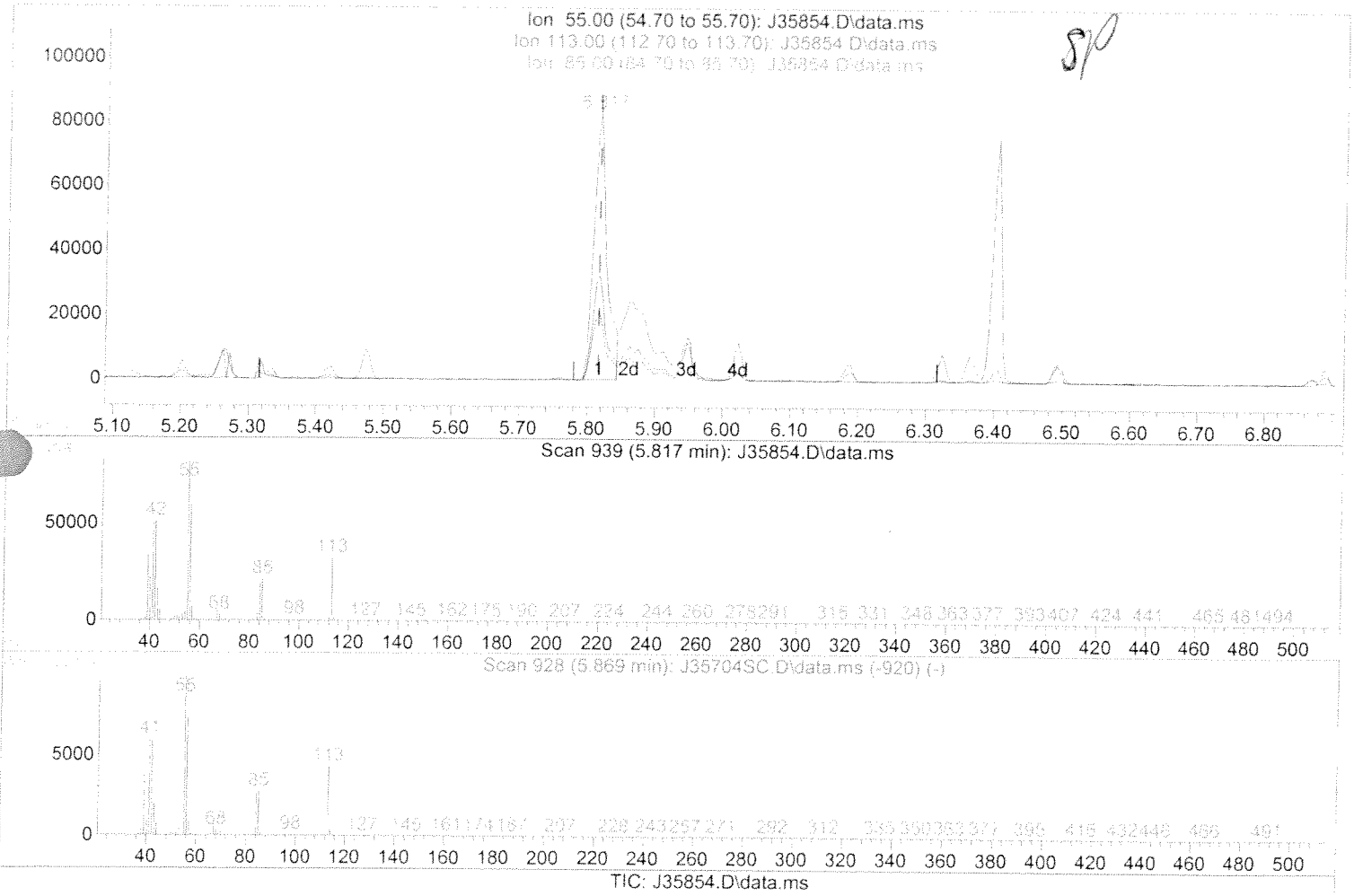




Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 20 22:07:44 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 22:06:39 2010
Response via : Initial Calibration

MV
9/20/10



SP

(24) CAPROLACTAM (TM)

5.817min (+0.000) 12.64ug/ml

response 113473

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	41.80#
85.00	15.50	28.54#
0.00	0.00	0.00

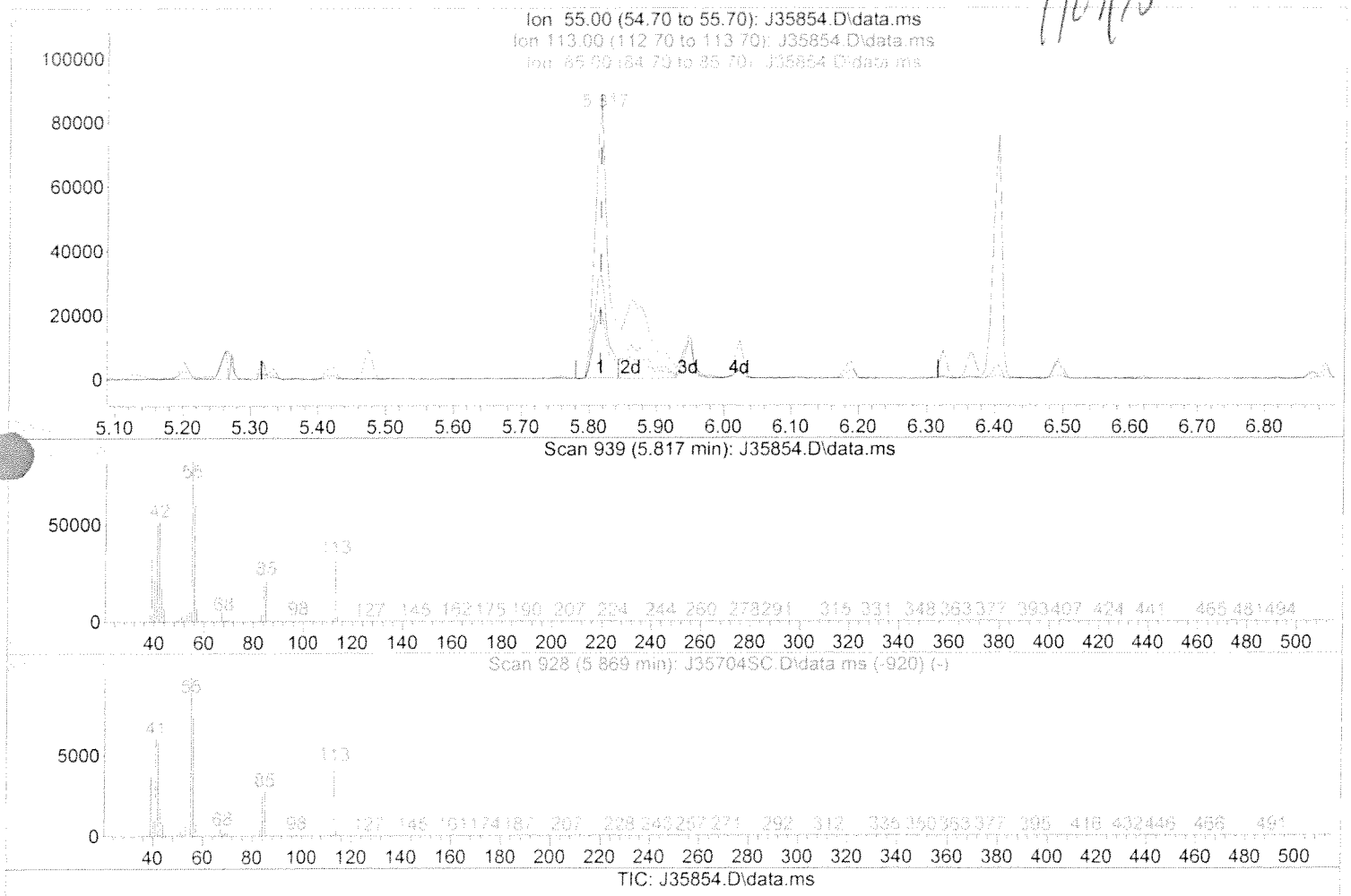
29270

ADDXTRA091710.M Mon Sep 20 22:07:55 2010

Data Path : C:\msdchem\1\DATA\091710-J\
Data File : J35854.D
Acq On : 18 Sep 2010 3:28 am
Operator : AR/MG
Sample : S10120 20/40 ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 20 22:07:44 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Mon Sep 20 22:06:39 2010
Response via : Initial Calibration

9/23/10



(24) CAPROLACTAM (TM)

5.817min (+0.000) 20.68ug/ml m

response 185664

Ion	Exp%	Act%
55.00	100	100
113.00	22.60	25.55
85.00	15.50	17.44
0.00	0.00	0.00

392720

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

MC 10/17/10

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	d4-1,4-dichlorobenzene	1.000	1.000	0.0	83	0.00
2	TM	Pyridine	1.302	1.333	-2.4	83	0.00
3	TM	N-nitrosodimethylamine	0.708	0.742	-4.8	85	0.00
4	S	2-Fluorophenol	1.170	1.299	-11.0	89	0.00
5	S	d5-Phenol	1.365	1.524	-11.6	89	0.00
6	TM	Aniline	1.844	1.796	2.6	79	0.00
7	TMC	Phenol	1.400	1.502	-7.3	86	0.00
8	TM	2-Chlorophenol	1.228	1.302	-6.0	86	0.00
9	TM	bis(2-chloroethyl) ether	1.181	1.307	-10.7	88	0.00
10	TM	1,3-Dichlorobenzene	1.582	1.664	-5.2	85	0.00
11	TMC	1,4-Dichlorobenzene	1.514	1.616	-6.7	86	0.00
12	TM	1,2-Dichlorobenzene	1.531	1.624	~~-6.1~~ 82205	86	0.00
13	TM	Benzyl Alcohol	0.667	0.812	-21.7# ±20%	97	0.00
14	TM	2-Methylphenol	0.998	1.031	-3.3	82	0.00
15	TM	bis(2-chloroisopropyl)ether	2.471	2.586	-4.7	84	0.00
16	TM	3+4-Methylphenol	0.980	1.042	-6.3	83	0.00
17	TM	Hexachloroethane	0.508	0.536	-5.5	82	0.00
18	TMP	N-nitroso-di-n-propylamine	0.674	0.726	-7.7	83	0.00
19	I	d8-Naphthalene	1.000	1.000	0.0	83	0.00
20	S	d5-nitrobenzene	0.345	0.355	-2.9	85	0.00
21	TM	Nitrobenzene	0.193	0.193	0.0	83	0.00
22	TM	Isophorone	0.642	0.654	-1.9	84	0.00
23	TCM	2-Nitrophenol	0.228	0.244	-7.0	85	0.00
24	TM	2,4-Dimethylphenol	0.372	0.374	-0.5	82	0.00
25	TM	Bis(2-chloroethoxy)methane	0.436	0.444	-1.8	82	0.00
26	TCM	2,4-Dichlorophenol	0.344	0.369	-7.3	87	0.00
27	TM	Benzoic Acid	0.186	0.287	Edrift ~~-54.3#~~	122	0.02
28	TM	1,2,4-Trichlorobenzene	0.416	0.425	-2.2	85	0.00
29	TM	Naphthalene	1.061	1.100	-3.7	84	0.00
30	T	2,6-Dichlorophenol	0.308	0.331	-7.5	88	0.00
31	TM	4-Chloroaniline	0.452	0.478	-5.8	83	0.00
32	TCM	Hexachlorobutadiene	0.242	0.257	-6.2	85	0.00
33	TMC	4-Chloro-3-methylphenol	0.301	0.313	-4.0	83	0.00
34	TM	2-Methylnaphthalene	0.636	0.675	-6.1	84	0.00
35	I	d10-Acenaphthene	1.000	1.000	0.0	86	0.00
36	TPM	Hexachlorocyclopentadiene	0.354	0.402	-13.6	85	0.00
37	TCM	2,4,6-Trichlorophenol	0.421	0.453	-7.6	88	0.00

J101810

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TM	2,4,5-Trichlorophenol	0.481	0.513	-6.7	86	0.00
39	S	2-Fluorobiphenyl	1.280	1.353	-5.7	88	0.00
40	TM	2-Chloronaphthalene	1.172	1.186	-1.2	85	0.00
41	TM	2-Nitroaniline	0.524	0.518	1.1	80	0.00
42	TM	2,6-Dinitrotoluene	0.335	0.352	-5.1	82	0.00
43	TM	Dimethyl Phthalate	1.517	1.580	-4.2	85	0.00
44	TM	Acenaphthylene	1.887	1.915	-1.5	84	0.00
45	TM	3-Nitroaniline	0.295	0.247	16.3	75	0.00
✓ 46	TMC	Acenaphthene	1.187	1.246	-5.0	88	0.00
✓ 47	TPM	2,4-dinitrophenol	0.152	0.214	drift ~~-40.8#~~	101	0.00
48	TM	Dibenzofuran	1.930	2.026	-5.0	87	0.00
✓ 49	TMP	4-Nitrophenol	0.158	0.177	-12.0	86	0.00
50	TM	2,4-Dinitrotoluene	0.426	0.450	-5.6	87	0.00
51	T	2,3,4,6-Tetrachlorophenol	0.387	0.422	-9.0	90	0.00
52	TM	Fluorene	1.421	1.458	-2.6	88	0.00
53	TM	Diethyl Phthalate	1.433	1.508	-5.2	87	0.00
54	TM	4-Chlorophenyl phenyl ethe	0.708	0.742	-4.8	88	0.00
55	TM	4-Nitroaniline	0.271	0.287	-5.9	88	0.00
✓ 56	TM	4,6-Dinitro-2-methylphenol	0.246	0.300	drift ~~-22.0#~~	92	0.00
✓ 57	TCM	n-nitrosodiphenylamine	1.030	1.075	-4.4	87	0.00
58	TM	Azobenzene	1.230	1.318	-7.2	92	0.00
59	TM	Biphenyl	1.415	1.478	-4.5	86	0.00
60	S	2,4,6-Tribromophenol	0.215	0.244	-13.5	95	0.00
61	I	d10-Phenanthrene	1.000	1.000	0.0	85	0.00
62	TM	4-bromophenyl phenyl ether	0.265	0.292	-10.2	92	0.00
63	TM	Hexachlorobenzene	0.283	0.295	-4.2	90	0.00
✓ 64	TMC	Pentachlorophenol	0.168	0.187	-11.3	91	0.00
65	TM	Phenanthrene	1.161	1.264	-8.9	93	0.00
66	TM	Anthracene	1.193	1.148	3.8	81	0.00
67	TM	Carbazole	0.806	0.644	drift ~~-20.1#~~	78	0.00
68	TM	Di-n-butyl phthalate	1.411	1.309	7.2	78	0.00
✓ 69	TCM	Fluoranthene	1.291	1.239	4.0	82	0.00
70	TM	Benzidine	0.215	0.140	Est. 34.9#	45#	0.00
71	I	d12-Chrysene	1.000	1.000	0.0	83	0.00
72	TM	Pyrene	1.332	1.338	-0.5	83	0.00
73	S	d14-p-terphenyl	0.728	0.731	-0.4	85	0.00
74	TM	Butyl benzyl phthalate	0.635	0.645	-1.6	82	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
75	TM	Benzo[a]anthracene	1.117	1.088	2.6	82	0.00
76	TM	Chrysene	1.117	1.160	-3.8	86	0.00
77	TM	3,3'-Dichlorobenzidine	0.293	0.254	13.3	75	0.00
78	TM	Bis (2-ethylhexyl) phthalat	0.814	0.822	-1.0	82	0.00
79	I	d12-Perylene	1.000	1.000	0.0	83	0.00
80	TCM	di-n-octyl-phthalate	1.505	1.557	-3.5	84	0.00
81	TM	Benzo[b] fluoranthene	1.210	1.160	4.1	86	0.00
82	TM	Benzo[k] fluoranthene	1.096	1.195	-9.0	84	0.00
83	TCM	Benzo[a] pyrene	1.162	1.177	-1.3	84	0.00
84	TM	Indeno [1,2,3-cd] pyrene	0.964	0.903	6.3	79	-0.01
85	TM	Dibenz [a,h] anthracene	0.984	0.993	-0.9	85	0.00
86	TM	Benzo(g,h,i) perylene	1.053	1.074	-2.0	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

% DRIFT EVALUATION

PM 10/17/10

1=AVERAGE RF	Data File Name	J36195SC.D
0=LINEAR	Date Acquired	10/15/2010 4:13
3=QUADRATIC	Sample Name	S10156 20/40

METHOD: C:\msdchem\1\METHODS\ABN091710.M

CAL FIT	Name	ug/mL Amount	ug/mL Expected	% DRIFT		<20%	
1	Pyridine	20.47	20	2.4%	NA	OK	
1	N-nitrosodimethylamine	20.96	20	4.8%	NA	OK	
1	2-Fluorophenol	44.43	40	11.1%	NA	OK	
1	d5-Phenol	44.66	40	11.7%	NA	OK	
1	Aniline	19.48	20	2.6%	NA	OK	
1	Phenol	42.89	40	7.2%	NA	OK	
1	2-Chlorophenol	42.41	40	6.0%	NA	OK	
1	bis(2-chloroethyl) ether	22.12	20	10.6%	NA	OK	
1	1,3-Dichlorobenzene	21.04	20	5.2%	NA	OK	
1	1,4-Dichlorobenzene	21.35	20	6.8%	NA	OK	
1	1,2-Dichlorobenzene	21.22	20	6.1%	NA	OK	
1	Benzyl Alcohol	24.35	20	21.8%	NA	*	±30
1	2-Methylphenol	41.32	40	3.3%	NA	OK	
3	bis(2-chloroisopropyl)ether	22.32	20	11.6%		OK	RR
1	3+4-Methylphenol	42.55	40	6.4%	NA	OK	any hits
3	Hexachloroethane	23.51	20	17.5%		OK	
1	N-nitroso-di-n-propylamine	21.55	20	7.7%	NA	OK	
1	d5-nitrobenzene	41.13	40	2.8%	NA	OK	
1	Nitrobenzene	20.00	20	0.0%	NA	OK	
1	Isophorone	20.38	20	1.9%	NA	OK	
1	2-Nitrophenol	42.82	40	7.0%	NA	OK	
1	2,4-Dimethylphenol	40.17	40	0.4%	NA	OK	
1	Bis(2-chloroethoxy)methane	20.36	20	1.8%	NA	OK	
1	2,4-Dichlorophenol	42.94	40	7.3%	NA	OK	
3	Benzoic Acid	53.12	40	32.8%		*	RR
1	1,2,4-Trichlorobenzene	20.43	20	2.1%	NA	OK	any w/hits
1	Naphthalene	20.74	20	3.7%	NA	OK	
1	2,6-Dichlorophenol	43.07	40	7.7%	NA	OK	
3	4-Chloroaniline	21.30	20	6.5%		OK	
1	Hexachlorobutadiene	21.21	20	6.1%	NA	OK	
1	4-Chloro-3-methylphenol	41.60	40	4.0%	NA	OK	
1	2-Methylnaphthalene	21.24	20	6.2%	NA	OK	
3	Hexachlorocyclopentadiene	19.71	20	1.4%		OK	
1	2,4,6-Trichlorophenol	43.10	40	7.8%	NA	OK	
1	2,4,5-Trichlorophenol	42.63	40	6.6%	NA	OK	
3	2-Fluorobiphenyl	43.02	40	7.6%		OK	
3	2-Chloronaphthalene	20.71	20	3.5%		OK	
1	2-Nitroaniline	19.78	20	1.1%	NA	OK	
1	2,6-Dinitrotoluene	21.07	20	5.4%	NA	OK	
1	Dimethyl Phthalate	20.83	20	4.1%	NA	OK	

1	Acenaphthylene	20.30	20	1.5%	NA	OK
1	3-Nitroaniline	16.74	20	16.3%	NA	OK
1	Acenaphthene	21.00	20	5.0%	NA	OK
3	2,4-dinitrophenol	43.19	40	8.0%		OK
1	Dibenzofuran	20.99	20	5.0%	NA	OK
1	4-Nitrophenol	44.77	40	11.9%	NA	OK
1	2,4-Dinitrotoluene	21.11	20	5.5%	NA	OK
1	2,3,4,6-Tetrachlorophenol	43.66	40	9.1%	NA	OK
1	Fluorene	20.51	20	2.6%	NA	OK
1	Diethyl Phthalate	21.04	20	5.2%	NA	OK
3	4-Chlorophenyl phenyl ether	20.61	20	3.0%		OK
3	4-Nitroaniline	18.50	20	7.5%		OK
3	4,6-Dinitro-2-methylphenol	42.16	40	5.4%		OK
1	n-nitrosodiphenylamine	20.89	20	4.4%	NA	OK
1	Azobenzene	21.43	20	7.1%	NA	OK
3	Biphenyl	21.54	20	7.7%		OK
1	2,4,6-Tribromophenol	45.36	40	13.4%	NA	OK
1	4-bromophenyl phenyl ether	22.09	20	10.5%	NA	OK
1	Hexachlorobenzene	20.82	20	4.1%	NA	OK
1	Pentachlorophenol	44.49	40	11.2%	NA	OK
1	Phenanthrene	21.78	20	8.9%	NA	OK
1	Anthracene	19.24	20	3.8%	NA	OK
3	Carbazole	18.59	20	7.1%		OK
1	Di-n-butyl phthalate	18.55	20	7.2%	NA	OK
1	Fluoranthene	19.20	20	4.0%	NA	OK
1	Benzidine	13.03	20	34.9%	NA	* Est.
1	Pyrene	20.10	20	0.5%	NA	OK
1	d14-p-terphenyl	40.19	40	0.5%	NA	OK
1	Butyl benzyl phthalate	20.30	20	1.5%	NA	OK
1	Benzo[a]anthracene	19.47	20	2.6%	NA	OK
1	Chrysene	20.76	20	3.8%	NA	OK
1	3,3'-Dichlorobenzidine	17.34	20	13.3%	NA	OK
1	Bis (2-ethylhexyl) phthalate	20.20	20	1.0%	NA	OK
1	di-n-octyl-phthalate	20.69	20	3.5%	NA	OK
1	Benzo[b] fluoranthene	19.18	20	4.1%	NA	OK
3	Benzo[k] fluoranthene	20.65	20	3.2%		OK
1	Benzo[a] pyrene	20.26	20	1.3%	NA	OK
1	Indeno [1,2,3-cd] pyrene	18.74	20	6.3%	NA	OK
1	Dibenz [a,h] anthracene	20.19	20	0.9%	NA	OK
1	Benzo(g,h,i) perylene	20.40	20	2.0%	NA	OK

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

10/17/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	380066	40.00	ug/ml	0.00
19) d8-Naphthalene	5.260	136	1149608	40.00	ug/ml	0.00
35) d10-Acenaphthene	6.981	164	676907	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.408	188	1172543	40.00	ug/ml	0.00
71) d12-Chrysene	10.952	240	1146151	40.00	ug/ml	0.00
79) d12-Perylene	12.397	264	1063277	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.599	112	493750	44.43	ug/ml	0.00
Spiked Amount 75.000	Range 20 - 110		Recovery = 59.24%			
5) d5-Phenol	3.651	99	579399	44.66	ug/ml	0.00
Spiked Amount 75.000	Range 15 - 110		Recovery = 59.55%			
20) d5-nitrobenzene	4.549	82	408091	41.13	ug/ml	0.00
Spiked Amount 50.000	Range 40 - 110		Recovery = 82.26%			
39) 2-Fluorobiphenyl	6.351	172	915873	43.02	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 110		Recovery = 86.04%			
60) 2,4,6-Tribromophenol	7.748	330	165209	45.36	ug/ml	0.00
Spiked Amount 75.000	Range 40 - 110		Recovery = 60.48%			
73) d14-p-terphenyl	9.970	244	838266	40.19	ug/ml	0.00
Spiked Amount 50.000	Range 50 - 130		Recovery = 80.38%			

Target Compounds						Qvalue
2) Pyridine	1.439	79	253277	20.47	ug/ml	95
3) N-nitrosodimethylamine	1.416	74	141074	20.96	ug/ml	100
6) Aniline	3.632	93	341374	19.48	ug/ml	99
7) Phenol	3.665	94	570701	42.89	ug/ml	99
8) 2-Chlorophenol	3.749	128	494850	42.41	ug/ml	100
9) bis(2-chloroethyl) ether	3.726	63	248282	22.12	ug/ml	95
10) 1,3-Dichlorobenzene	3.899	146	316305	21.04	ug/ml	98
11) 1,4-Dichlorobenzene	3.979	146	307071	21.35	ug/ml	99
12) 1,2-Dichlorobenzene	4.128	146	308636	21.22	ug/ml	97
13) Benzyl Alcohol	4.147	108	154292	24.35	ug/ml	100
14) 2-Methylphenol	4.287	108	391897	41.32	ug/ml	98
15) bis(2-chloroisopropyl)...	4.287	45	491424	22.32	ug/ml	100
16) 3+4-Methylphenol	4.460	108	396082	42.55	ug/ml	97
17) Hexachloroethane	4.470	117	101887	23.51	ug/ml	99
18) N-nitroso-di-n-propyla...	4.428	70	137947	21.55	ug/ml	96
21) Nitrobenzene	4.568	123	110766	20.00	ug/ml	99
22) Isophorone	4.835	82	376059	20.38	ug/ml	99
23) 2-Nitrophenol	4.891	139	281045	42.82	ug/ml	99
24) 2,4-Dimethylphenol	4.989	107	429716	40.17	ug/ml	100
25) Bis(2-chloroethoxy)met...	5.073	93	255063	20.36	ug/ml	99
26) 2,4-Dichlorophenol	5.153	162	424012	42.94	ug/ml	100

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
27) Benzoic Acid	5.223	105	329898	53.12 ug/ml	99
28) 1,2,4-Trichlorobenzene	5.213	180	244404	20.43 ug/ml	98
29) Naphthalene	5.279	128	632410	20.74 ug/ml	100
30) 2,6-Dichlorophenol	5.372	162	380679	43.07 ug/ml	99
31) 4-Chloroaniline	5.368	127	274773	21.30 ug/ml	99
32) Hexachlorobutadiene	5.424	225	147709	21.21 ug/ml	99
33) 4-Chloro-3-methylphenol	5.899	107	360040	41.60 ug/ml	99
34) 2-Methylnaphthalene	5.971	141	388219	21.24 ug/ml	97
36) Hexachlorocyclopentadiene	6.132	237	136061	19.71 ug/ml	100
37) 2,4,6-Trichlorophenol	6.275	196	306949	43.10 ug/ml	99
38) 2,4,5-Trichlorophenol	6.316	196	346973	42.63 ug/ml	96
40) 2-Chloronaphthalene	6.445	162	401483	20.71 ug/ml	98
41) 2-Nitroaniline	6.571	138	175289	19.78 ug/ml	95
42) 2,6-Dinitrotoluene	6.821	165	119298	21.07 ug/ml	100
43) Dimethyl Phthalate	6.773	163	534858	20.83 ug/ml	99
44) Acenaphthylene	6.836	152	648206	20.30 ug/ml	100
45) 3-Nitroaniline	6.986	138	83621	16.74 ug/ml	96
46) Acenaphthene	7.010	153	421772	21.00 ug/ml	99
47) 2,4-dinitrophenol	7.088	184	144995	43.19 ug/ml	98
48) Dibenzofuran	7.180	168	685843	20.99 ug/ml	93
49) 4-Nitrophenol	7.200	109	119768	44.77 ug/ml	97
50) 2,4-Dinitrotoluene	7.209	165	152249	21.11 ug/ml	98
51) 2,3,4,6-Tetrachlorophenol	7.321	232	285563	43.66 ug/ml	99
52) Fluorene	7.510	166	493436	20.51 ug/ml	100
53) Diethyl Phthalate	7.462	149	510301	21.04 ug/ml	93
54) 4-Chlorophenyl phenyl ...	7.534	204	250984	20.61 ug/ml	99
55) 4-Nitroaniline	7.578	138	97134m	18.50 ug/ml	
56) 4,6-Dinitro-2-methylph...	7.602	198	203347	42.16 ug/ml	98
57) n-nitrosodiphenylamine	7.656	169	363890	20.89 ug/ml	99
58) Azobenzene	7.685	77	445921	21.43 ug/ml	93
59) Biphenyl	6.441	154	500082	21.54 ug/ml	99
62) 4-bromophenyl phenyl e...	7.998	248	171398	22.09 ug/ml	99
63) Hexachlorobenzene	8.034	284	172984	20.82 ug/ml	98
64) Pentachlorophenol	8.246	266	218995	44.49 ug/ml	97
65) Phenanthrene	8.430	178	741253	21.78 ug/ml	100
66) Anthracene	8.475	178	672843	19.24 ug/ml	100
67) Carbazole	8.651	167	377430	18.59 ug/ml#	94
68) Di-n-butyl phthalate	9.038	149	767626	18.55 ug/ml	99
69) Fluoranthene	9.566	202	726470	19.20 ug/ml	99
70) Benzidine	9.739	184	82091	13.03 ug/ml#	97
72) Pyrene	9.775	202	766981	20.10 ug/ml	98
74) Butyl benzyl phthalate	10.472	149	369424	20.30 ug/ml	100
75) Benzo[a]anthracene	10.937	228	623446	19.47 ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

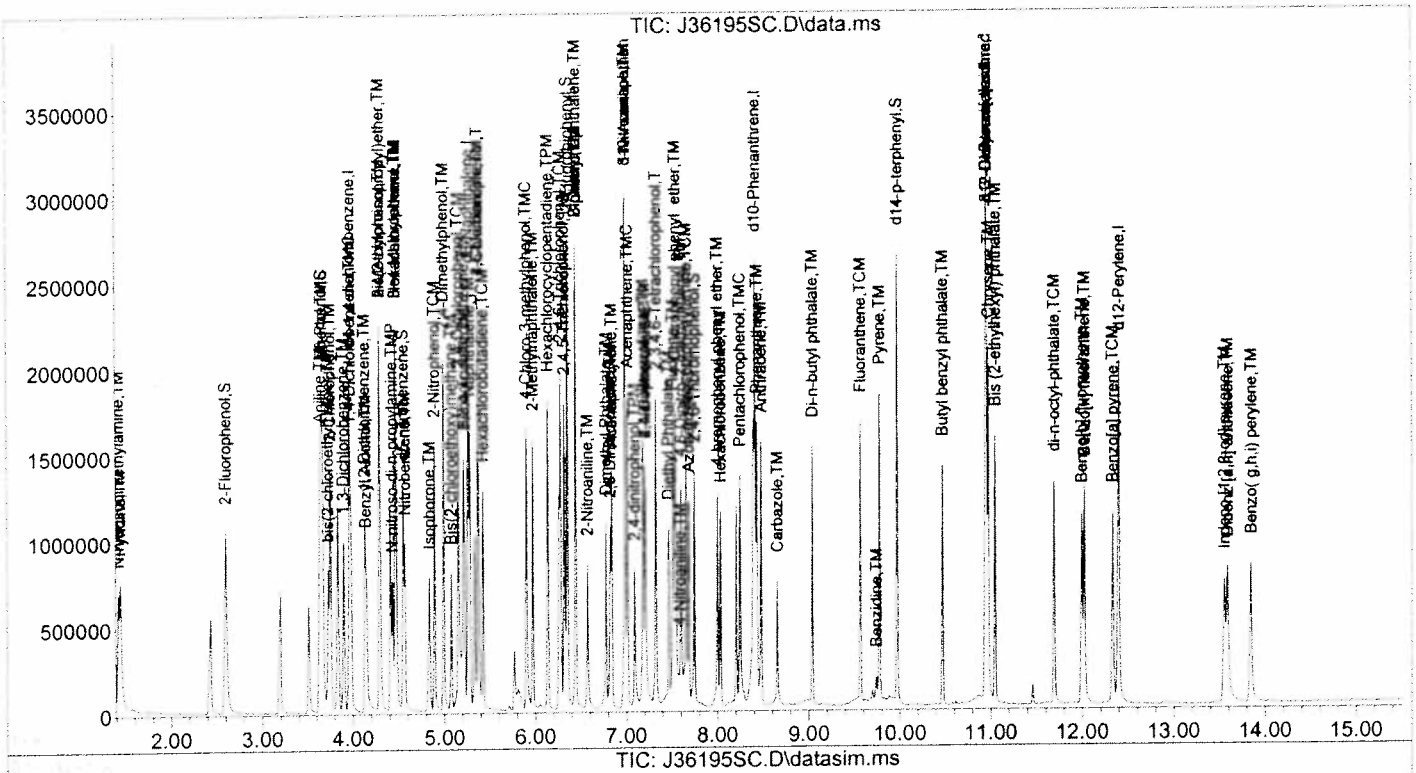
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
76) Chrysene	10.971	228	664591	20.76 ug/ml	100
77) 3,3'-Dichlorobenzidine	10.944	252	145479	17.34 ug/ml	99
78) Bis (2-ethylhexyl) pht...	11.046	149	471305	20.20 ug/ml	100
80) di-n-octyl-phthalate	11.690	149	827780	20.69 ug/ml	99
81) Benzo[b] fluoranthene ✓	11.993	252	616812	19.18 ug/ml	98
82) Benzo[k] fluoranthene	12.022	252	635371	20.65 ug/ml	99
83) Benzo[a] pyrene	12.328	252	625565	20.26 ug/ml	99
84) Indeno [1,2,3-cd] pyrene	13.550	276	480184m	18.74 ug/ml	
85) Dibenz [a,h] anthracene	13.586	278	527951	20.19 ug/ml	99
86) Benzo(g,h,i) perylene	13.846	276	571080	20.40 ug/ml	99

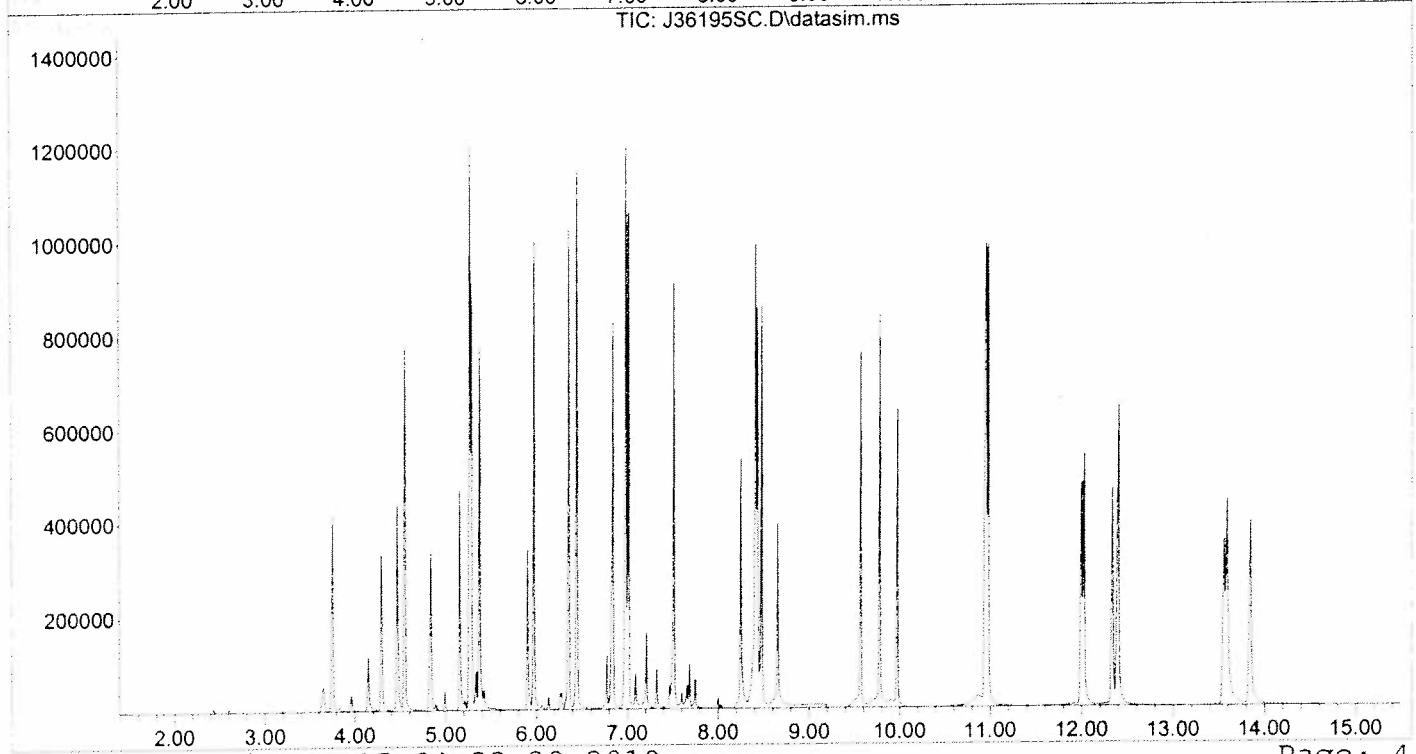
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:55 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration



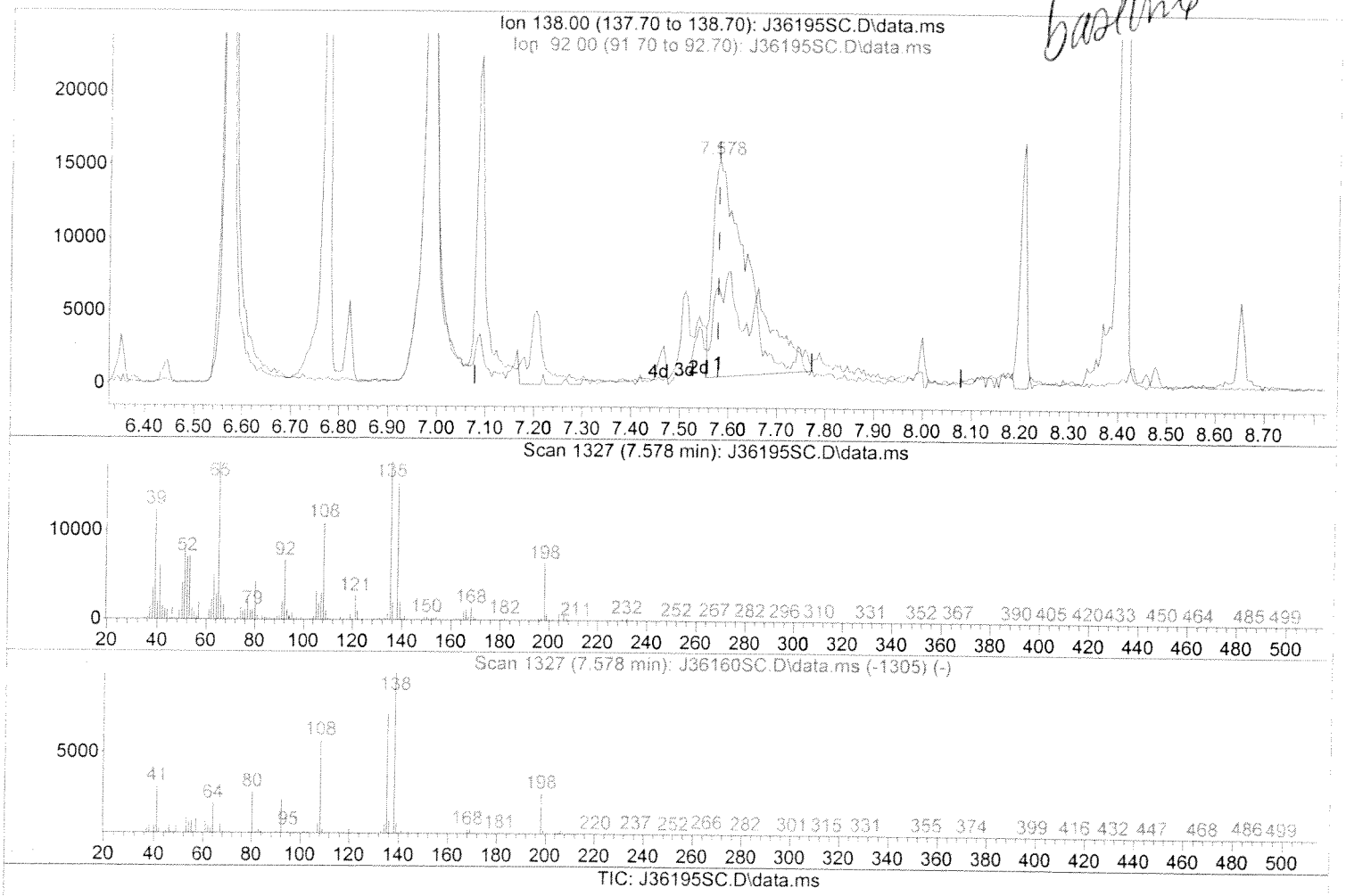


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:11 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

10/17/10
baseline



(55) 4-Nitroaniline (TM)

7.578min (-0.000) 15.02ug/ml

response 77122

Ion	Exp%	Act%
138.00	100	100
92.00	9.90	11.98#
0.00	0.00	0.00
0.00	0.00	0.00

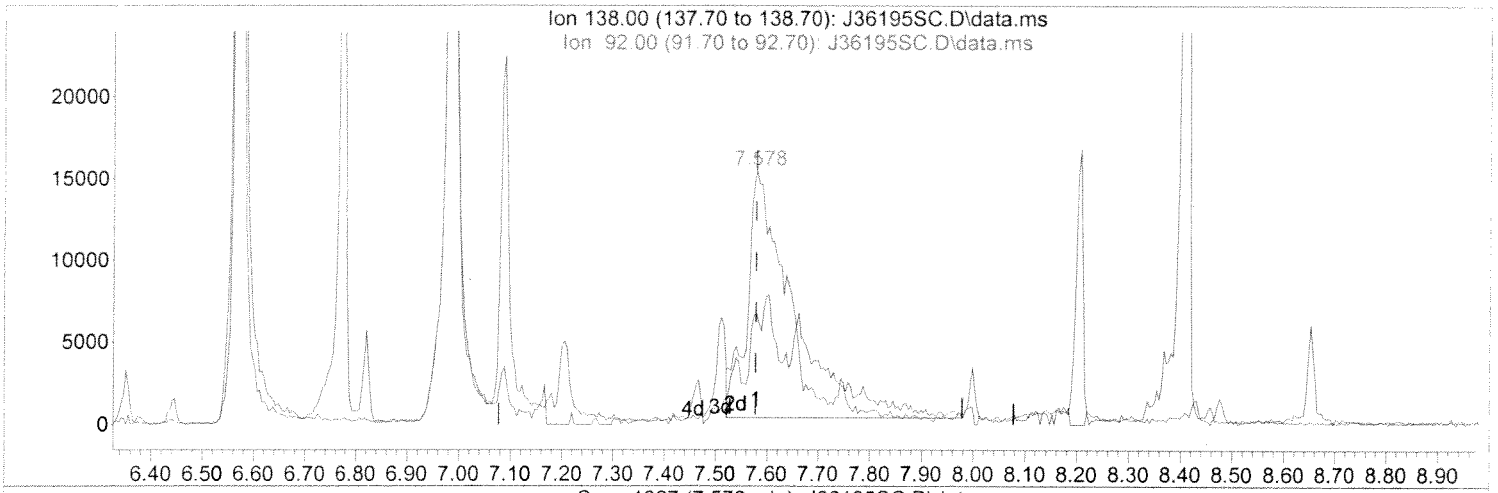
J101315

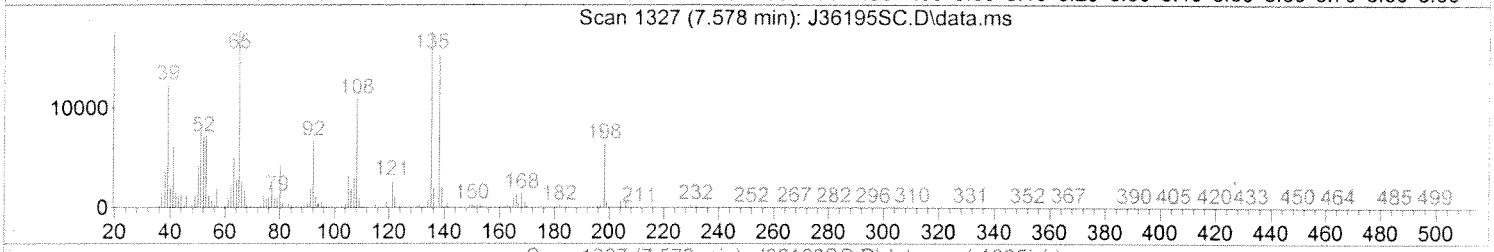
Quantitation Report (Qedit)

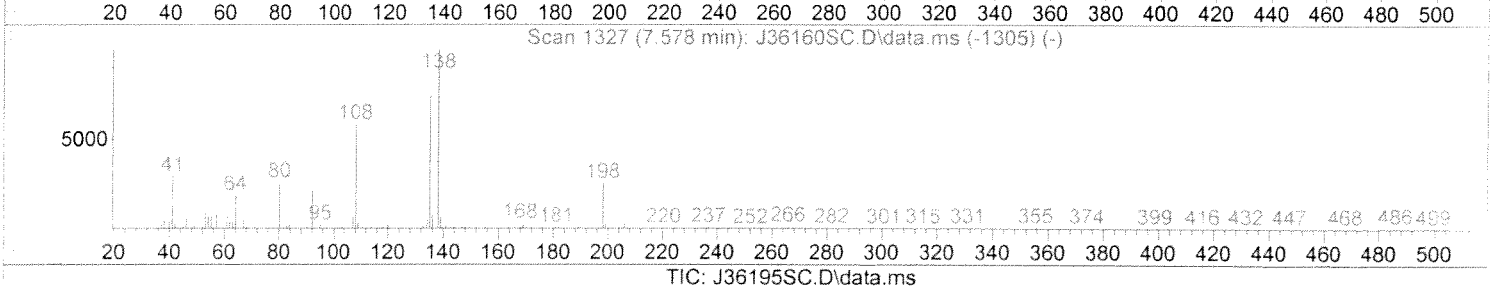
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:11 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

10/17/10







TIC: J36195SC.D\data.ms

(55) 4-Nitroaniline (TM)

7.578min (-0.000) 18.50ug/ml m

response 97134

Ion	Exp%	Act%
138.00	100	100
92.00	9.90	9.51
0.00	0.00	0.00
0.00	0.00	0.00

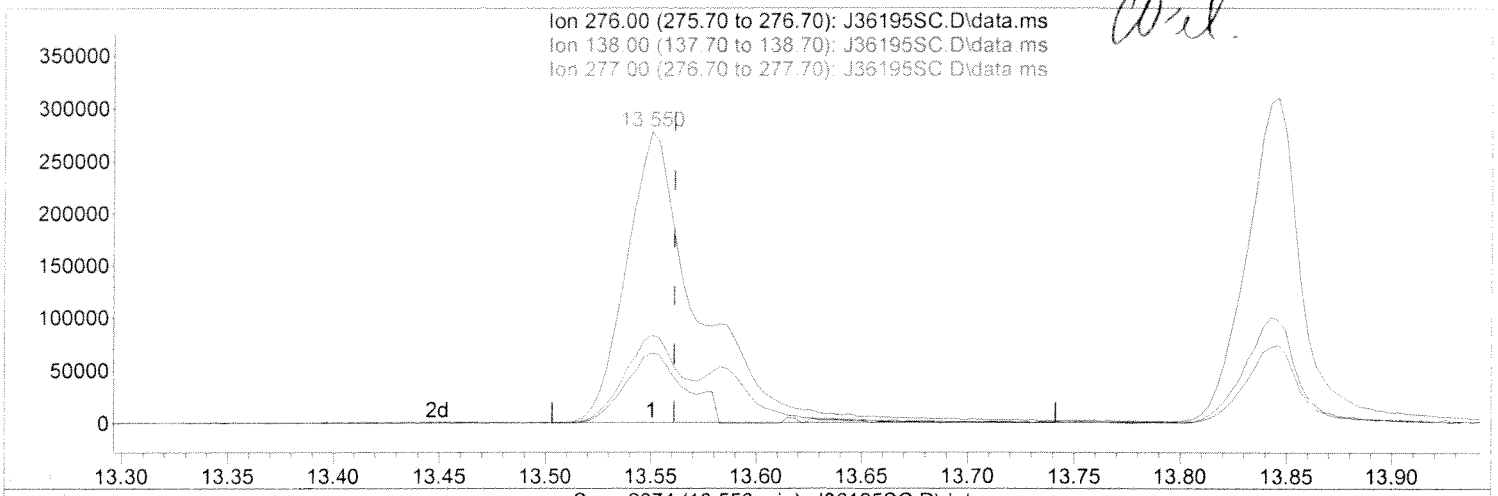
J101810

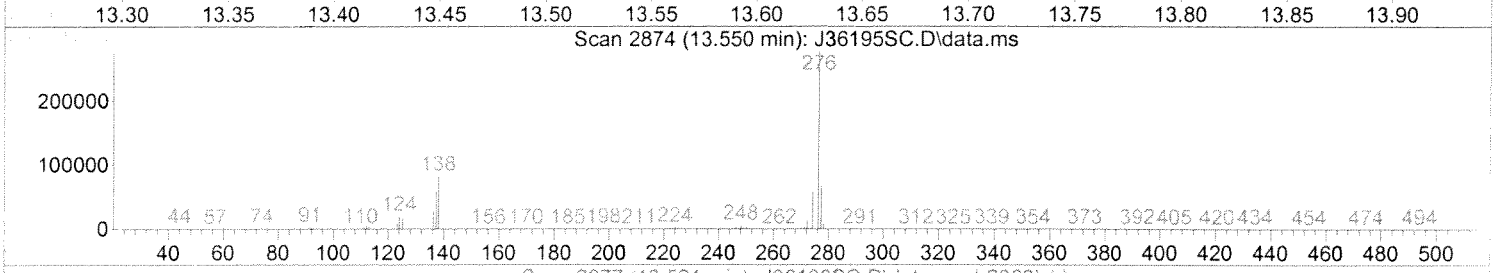
Quantitation Report (Qedit)

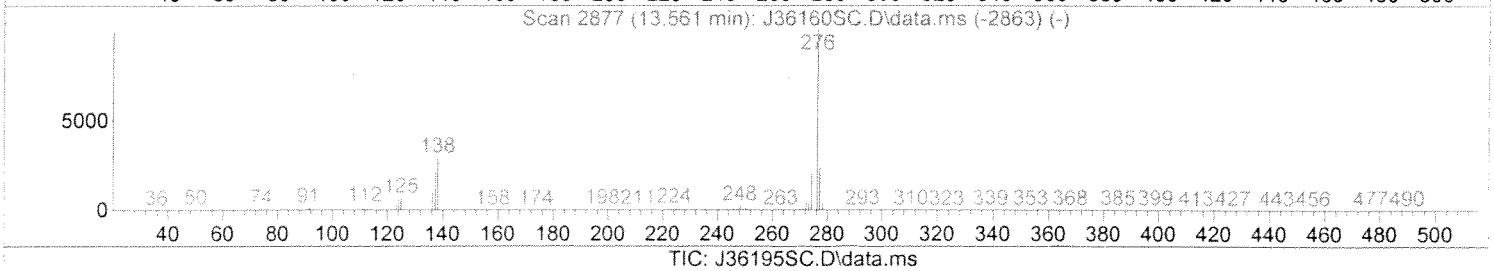
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:11 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

MR 10/17/10 cwl.







(84) Indeno [1,2,3-cd] pyrene (TM)

13.550min (-0.011) 25.91ug/ml

response 664172

Ion	Exp%	Act%
276.00	100	100
138.00	29.00	22.84#
277.00	24.00	19.77
0.00	0.00	0.00

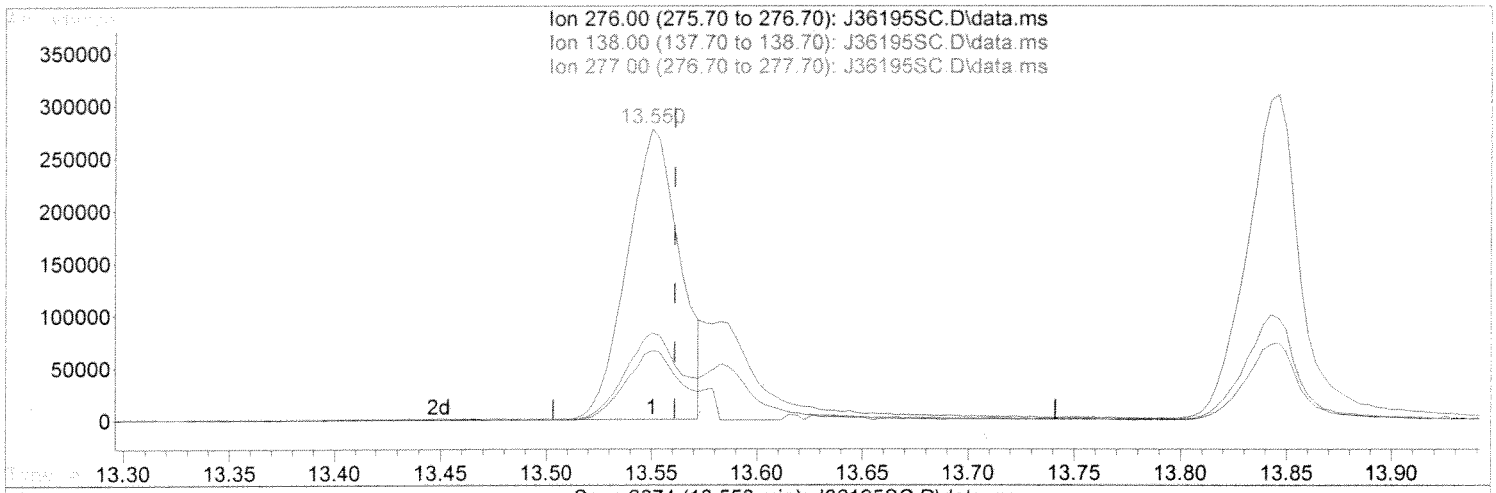
3101810

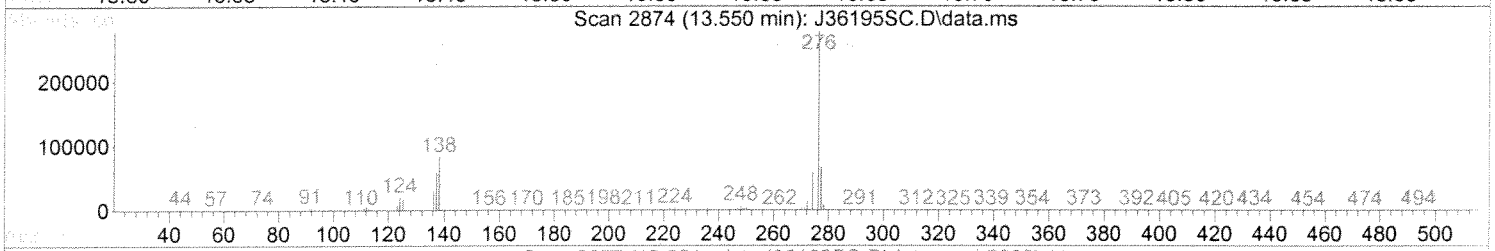
Quantitation Report (Qedit)

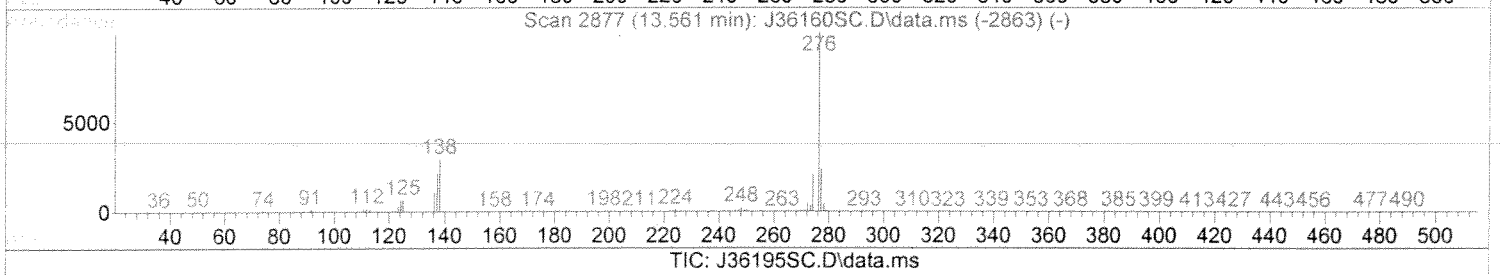
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:31:11 2010
Quant Method : C:\msdchem\1\METHODS\ABN091710.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Oct 14 20:27:16 2010
Response via : Initial Calibration

10/17/10







TIC: J36195SC.D\data.ms

(84) Indeno [1,2,3-cd] pyrene (TM)

13.550min (-0.011) 18.74ug/ml m

response 480184

Ion	Exp%	Act%
276.00	100	100
138.00	29.00	31.60
277.00	24.00	27.35
0.00	0.00	0.00

J101810

625 ADDS
CCV

Data File Name **J36195SC.D**
Date Acquired **10/15/2010 4:13**
Sample Name **S10156 20/40**

10/17/10

Name	UG/L Amount	UG/L EXPECTED	% RECOVERY	% LIMITS	
n-Decane	20.44	20	102%	80-120	OK
Acetophenone	20.47	20	102%	80-120	OK
alpha-terpineol	21.64	20	108%	80-120	OK
2,3-dichloroaniline	21.25	20	106%	80-120	OK
4-(tert octyl) Phenol	20.12	20	101%	80-120	OK
Octadecane	20.63	20	103%	80-120	OK
BENZALDEHYDE	21.29	20	106%	80-120	OK
CAPROLACTAM	20.49	20	102%	80-120	OK
1,2,4,5-TETRACHLOROBENZENE	21.93	20	110%	80-120	OK
ATRAZINE	18.28	20	91%	80-120	OK

3/01810

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

MV 10/17/10

Quant Time: Oct 15 04:33:17 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Fri Oct 15 03:13:40 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) d4-1,4-dichlorobenzene	3.960	152	380066	40.00	ug/ml	0.00
19) d8-Naphthalene	5.260	136	1149608	40.00	ug/ml	0.00
35) d10-Acenaphthene	6.981	164	676907	40.00	ug/ml	0.00
61) d10-Phenanthrene	8.408	188	1172543	40.00	ug/ml	0.00
71) d12-Chrysene	10.952	240	1146151	40.00	ug/ml	0.00
79) d12-Perylene	12.397	264	1057784	40.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.599	112	493750	44.39	ug/ml	0.00
Spiked Amount 75.000	Range 28 - 110		Recovery = 59.19%			
5) d5-Phenol	3.651	99	579399	44.66	ug/ml	0.00
Spiked Amount 75.000	Range 22 - 110		Recovery = 59.55%			
20) d5-nitrobenzene	4.549	82	408091	41.19	ug/ml	0.00
Spiked Amount 50.000	Range 45 - 107		Recovery = 82.38%			
39) 2-Fluorobiphenyl	6.351	172	912672	42.78	ug/ml	0.00
Spiked Amount 50.000	Range 44 - 102		Recovery = 85.56%			
60) 2,4,6-Tribromophenol	7.748	330	165209	45.64	ug/ml	0.00
Spiked Amount 75.000	Range 63 - 127		Recovery = 60.85%#			
73) d14-p-terphenyl	9.970	244	838266	40.11	ug/ml	0.00
Spiked Amount 50.000	Range 33 - 132		Recovery = 80.22%			
Target Compounds						Qvalue
2) BENZALDEHYDE	3.511	77	153277	21.29	ug/ml	99
3) n-Decane	3.834	57	348748	20.44	ug/ml	100
6) Acetophenone	4.404	105	312550	20.47	ug/ml	98
21) alpha-terpineol	5.335	93	96509	21.64	ug/ml	93
22) 2,3-dichloroaniline	6.257	161	260233	21.25	ug/ml	100
24) CAPROLACTAM	5.769	55	160594m	20.49	ug/ml	
25) 1,2,4,5-TETRACHLOROBEN...	6.141	216	254344	21.93	ug/ml	99
53) ATRAZINE	8.205	200	129025	18.28	ug/ml	97
59) 4-(tert octyl) Phenol	7.544	135	658571	20.12	ug/ml	100
62) Octadecane	8.390	57	346283	20.63	ug/ml	99

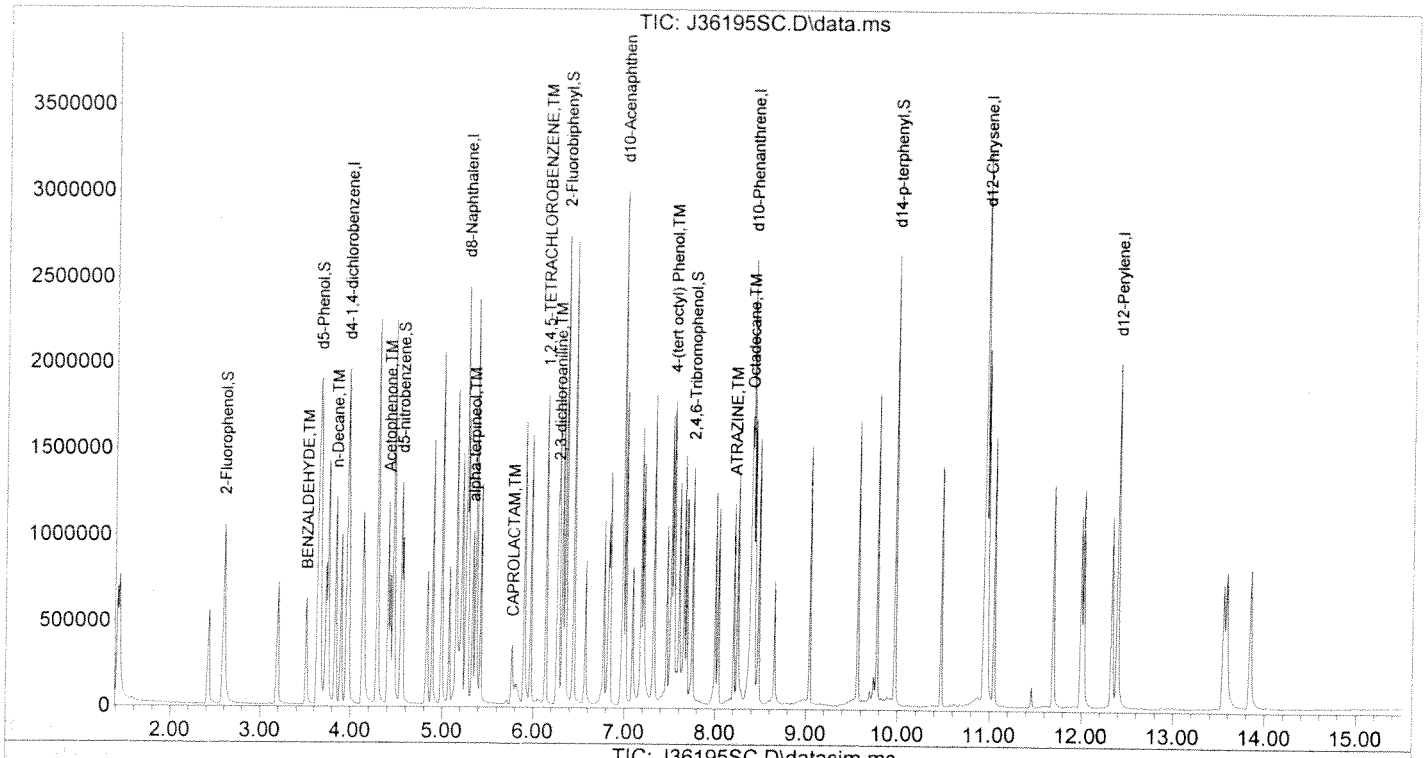
(#) = qualifier out of range (m) = manual integration (+) = signals summed

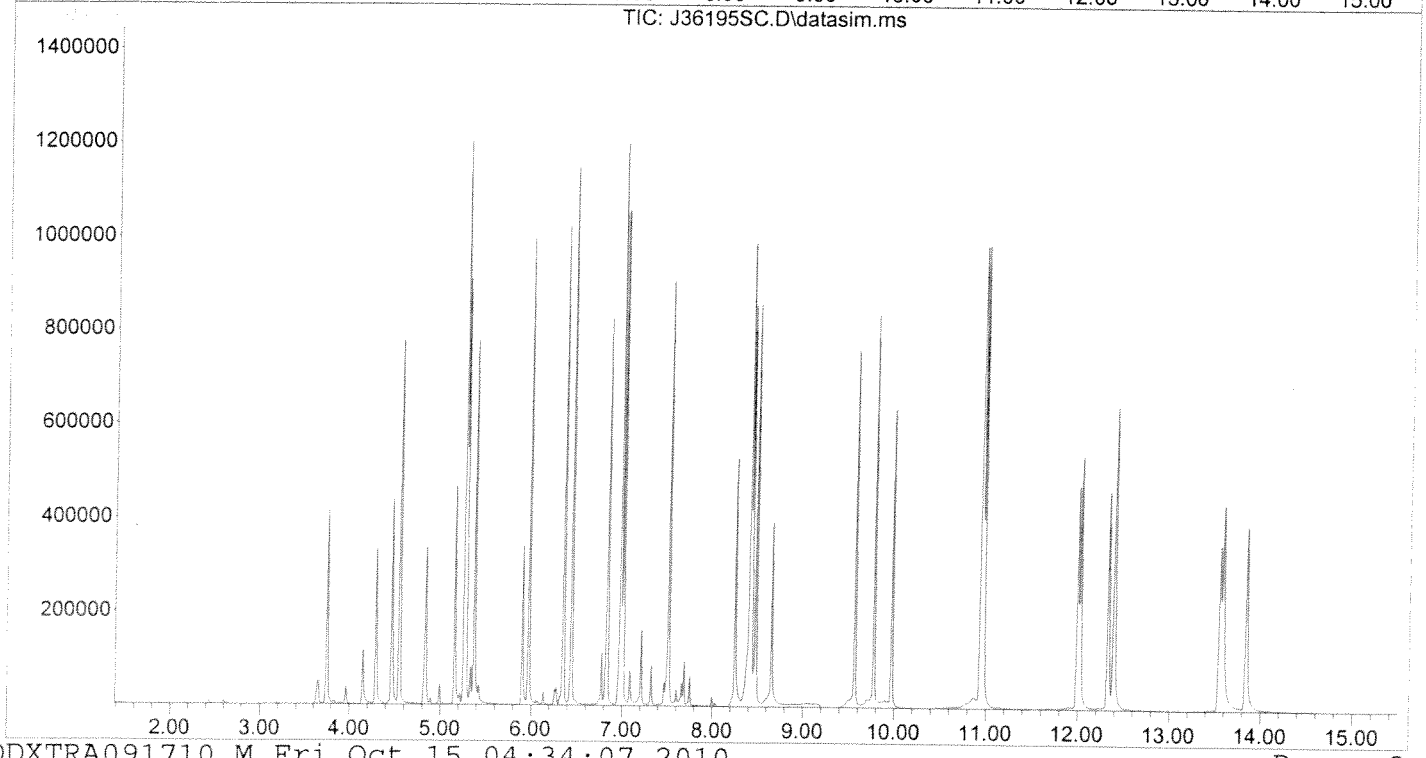
J101810

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:33:17 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Fri Oct 15 03:13:40 2010
Response via : Initial Calibration





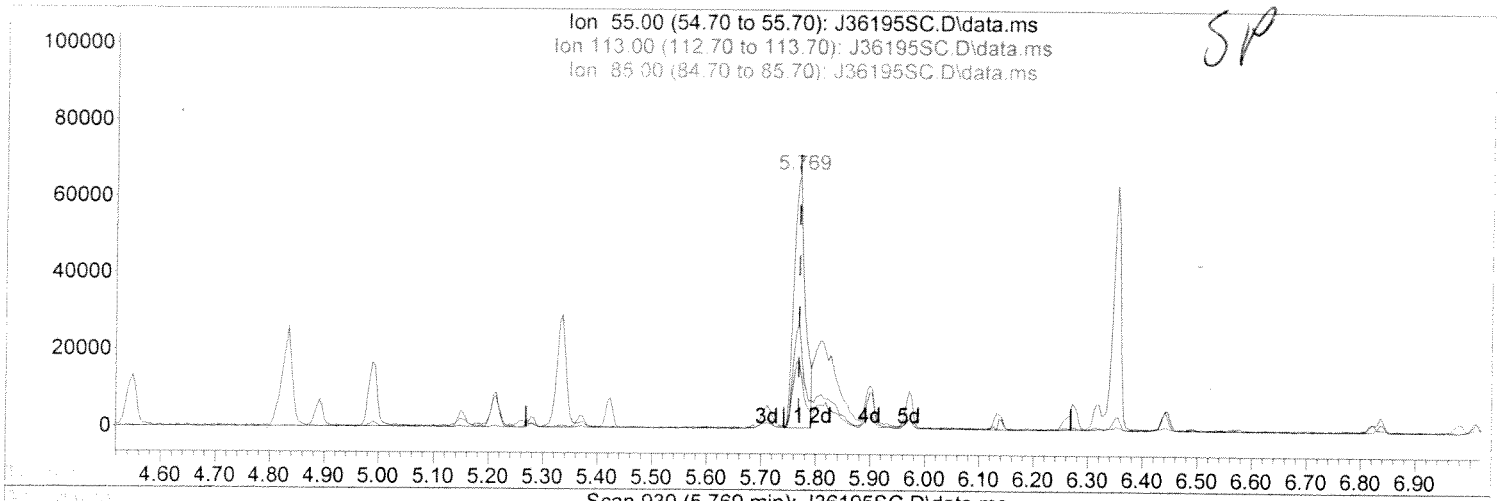
Quantitation Report (Qedit)

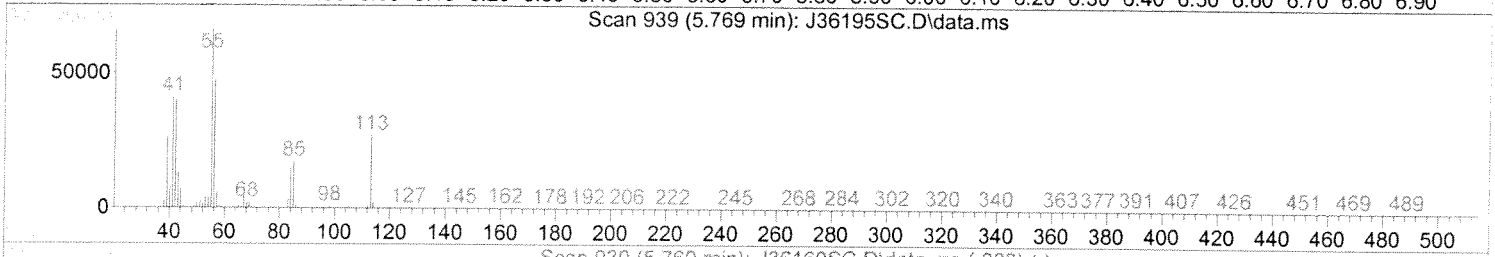
Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

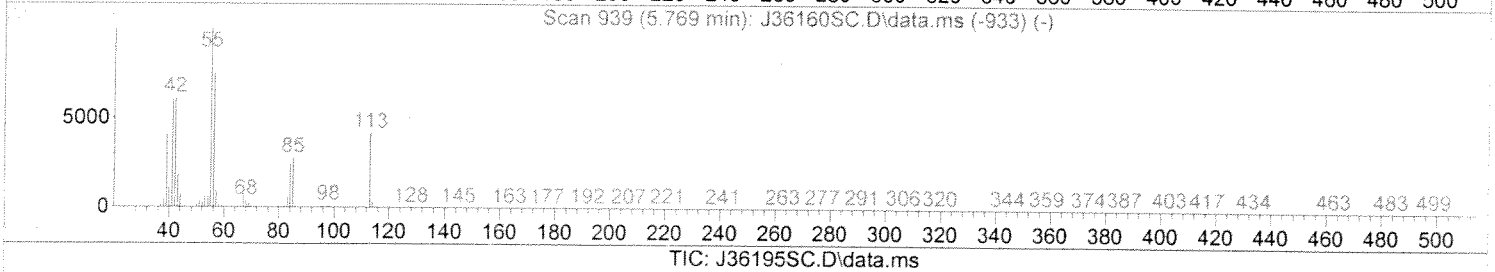
Quant Time: Oct 15 04:32:58 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Fri Oct 15 03:13:40 2010
Response via : Initial Calibration

10/17/10

SP







TIC: J36195SC.D\data.ms

(24) CAPROLACTAM (TM)

5.769min (-0.000) 12.22ug/ml

response 95787

Ion	Exp%	Act%
55.00	100	100
113.00	24.80	41.77#
85.00	16.90	27.75#
0.00	0.00	0.00

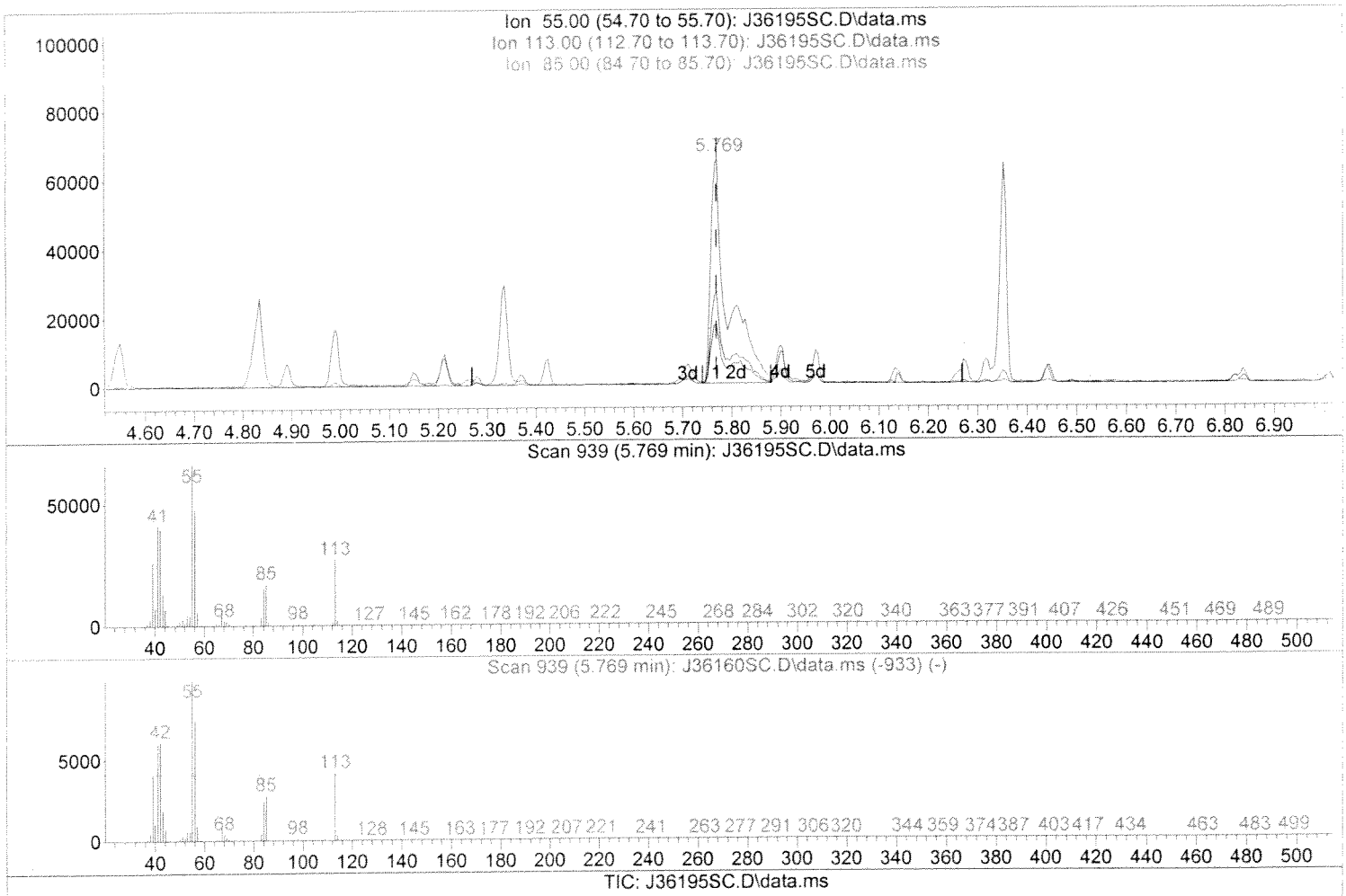
J101B10

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\101410-J\
Data File : J36195SC.D
Acq On : 15 Oct 2010 4:13 am
Operator : AR/MG
Sample : S10156 20/40
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 15 04:32:58 2010
Quant Method : C:\msdchem\1\METHODS\ADDXTRA091710.M
Quant Title : ABN ADDS
QLast Update : Fri Oct 15 03:13:40 2010
Response via : Initial Calibration

10/17/10



(24) CAPROLACTAM (TM)

5.769min (-0.000) 20.49ug/ml m

response 160594

Ion	Exp%	Act%
55.00	100	100
113.00	24.80	24.92
85.00	16.90	16.55
0.00	0.00	0.00

3101810

SEMIVOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 68000

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#	IS 5 AREA	#	IS 5 RT	#	IS 6 AREA	#	IS 6 RT	#
S10112 20/40	460445		4.02		1393270		5.31		783890		7.03		1.38E+06		8.46		1380450		11.01		1.27E+06		12.47	
Upper Limit	920890		4.08		2786540		5.37		1567780		7.09		2761940		8.52		2760900		11.07		2547220		12.53	
Lower limit	230223		3.96		696635		5.25		391945		6.97		690485		8.40		690225		10.95		636805		12.41	

SAMPLE ID																								
S10115 2/4	467340		4.02		1385760		5.31		777487		7.03		1.37E+06		8.46		1511120		11.00		1.30E+06		12.47	
S10114 4/8	456768		4.02		1348710		5.31		764977		7.03		1.35E+06		8.46		1439520		11.00		1.28E+06		12.46	
S10113 10/20	474965		4.02		1349960		5.31		785875		7.03		1.38E+06		8.46		1434880		11.00		1.28E+06		12.46	
S10111 40/80	491868		4.03		1488180		5.32		853400		7.03		1.45E+06		8.47		1407900		11.01		1.32E+06		12.47	
S10110 50/100	480235		4.03		1425040		5.32		835715		7.04		1.41E+06		8.47		1356070		11.01		1.31E+06		12.47	
S10109 100/200	416986		4.03		1280460		5.33		731503		7.04		1.18E+06		8.47		1079200		11.02		1.11E+06		12.48	
S10120 20/40 ICV	436183		4.02		1317140		5.31		717152		7.03		1.29E+06		8.46		1258250		11.01		1.16E+06		12.47	

IS 1 = d4-1,4-dichlorobenzene
IS 2 = d8-Naphthalene
IS 3 = d10-Acenaphthene
IS 4 = d10-Phenanthrene
IS 5 = d12-Chrysene
IS 6 = d12-Perylene

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

SVOA FORM 8

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\DATA\091710-J\J35841T.D
Tune Time : 17 Sep 2010 10:49 pm

Full

Daily Calibration File : C:\msdchem\1\DATA\091710-J\J35850SI.D

9/18/10

						460445	1393270	783890
						1380970	1380450	1273610
File	Sample	Surrogate Recovery %				Internal Standard Responses		
J35847SI.D								
	S10115 2/4	5*	5*	9*	6*	467340	1385756	777487
		5*	8*			1371394	1511123	1300090
J35848SI.D								
	S10114 4/8	11*	11*	17*	15*	456768	1348707	764977
		12*	16*			1349373	1439522	1277714
J35849SI.D								
	S10113 10/	27	28	43	37*	474965	1349962	785875
		28*	38*			1378842	1434879	1277290
J35851SI.D								
	S10111 40/	107	102	151*	144*	491868	1488181	853400
		111*	140*			1445562	1407899	1318165
J35852SI.D								
	S10110 50/	132*	125*	186*	175*	480235	1425038	835715
		134*	170*			1407375	1356071	1310149
J35853SI.D								
	S10109 100	247*	230*	342*	357*	416986	1280463	731503
		247*	327*			1175403	1079202	1111750
J35854.D								
	S10120 20/	57	57	81	85	436183	1317136	717152
		59	80			1285330	1258254	1157553

(fails) - fails 12hr time check * - fails criteria

Created: Sat Sep 18 22:07:55 2010 Instrument J

SY2010

SEMIVOLATILE ORGANIC INTERNAL STANDARD AREA
AND RETENTION TIME SUMMARY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG: 68000

12 HR STANDARD	IS 1 AREA	#	IS 1 RT	#	IS 2 AREA	#	IS 2 RT	#	IS 3 AREA	#	IS 3 RT	#	IS 4 AREA	#	IS 4 RT	#	IS 5 AREA	#	IS 5 RT	#	IS 6 AREA	#	IS 6 RT	#
S10156 20/40	380066		3.96		1149610		5.26		676907		6.98		1.17E+06		8.41		1146150		10.95		1.06E+06		12.40	
Upper Limit	760132		4.02		2299220		5.32		1353814		7.04		2345080		8.47		2292300		11.01		2126560		12.46	
Lower limit	190033		3.90		574805		5.20		338454		6.92		586270		8.35		573075		10.89		531640		12.34	

SAMPLE ID																								
B101210AW$_2$RR	402266		3.96		1176620		5.26		691001		6.98		1.20E+06		8.40		1260920		10.95		1.08E+06		12.40	
L101210AW$_2$RR	424798		3.96		1265400		5.26		748764		6.98		1.31E+06		8.41		1133160		10.96		1.20E+06		12.40	
LD101210AW$_2$RR	412192		3.96		1242340		5.26		726232		6.98		1.28E+06		8.41		1104610		10.96		1.15E+06		12.40	
68000-2	371474		3.96		1092510		5.26		634103		6.98		1.12E+06		8.40		1099700		10.94		984478		12.39	

IS 1 = d4-1,4-dichlorobenzene
IS 2 = d8-Naphthalene
IS 3 = d10-Acenaphthene
IS 4 = d10-Phenanthrene
IS 5 = d12-Chrysene
IS 6 = d12-Perylene

Area upper limit = + 100% IS area
Area lower limit = - 50% IS area
RT upper limit = + 0.06 min of IS RRT
RT lower limit = - 0.06 min of IS RRT

Column to be used to flag values outside of QC limits
* Values outside QC limits

Tune File : C:\msdchem\1\DATA\101410-J\J36193T.D Full list
Tune Time : 15 Oct 2010 3:25 am

Daily Calibration File : C:\msdchem\1\DATA\101410-J\J36195SC.D

						380066	1149610	676907
						1172540	1146150	1063280

File	Sample	Surrogate Recovery %				Internal Standard Responses		
J36196B.D								
	B101210AW,	51	38	79	84	402266	1176616	691001
		92	84			1201724	1260922	1084559
J36197Q.D								
	L101210AW,	54	38	80	87	424798	1265401	748764
		97	97			1314122	1133163	1197664
J36198Q.D								
	LD101210AW	52	37	77	82	412192	1242339	726232
		96	97			1279810	1104610	1145261
J36199.D								
	67980-13	54	40	83	87	415285	1194763	705871
		93	83			1232114	1255796	1097138
J36200.D								
	67980-14	50	38	78	84	396518	1165716	680752
		91	95			1185286	1222739	1064400
J36201.D								
	68000-2	32	31	74	80	371474	1092509	634103
		54	70			1123907	1099697	984478
J36202.D								
	67977-20,,	0*	0*	76	83	392140	1144957	661462
	BN	0*	66			1157093	1264979	1086256
J36203.D								
	67978-16,,	0*	0*	79	80	412774	1191703	696309
	BN	0*	72			1215102	1283767	1141882
J36204B.D								
	B100710AAS	57	62	61	66	388874	1138981	680856
		78	82			1176150	1202979	1059612
J36205Q.D								
	L100710AAS	62	67	67	73	368589	1094424	656629
		88	92			1046945	1018396	1014885
J36206Q.D								
	LD100710AA	62	66	65	74	360775	1072760	621677
		88	98			1095693	925580	918900
J36207.D								
	LOD/LOQ100	52	58	58	61	384922	1108873	665201
		82	74			1168510	1171726	1007754
J36208.D								
	67771-2	63	67	69	73	379627	1092425	657390
		91	84			1134550	1136556	1000256
J36209.D								

BN 10/17/10

3/10/10

		86	79			1161312	1144325	1012747
J36210.D								
	67772-5	60	65	66	69	389825	1119624	665823
		88	80			1182622	1154826	1037096
J36211.D								
	67772-6	61	67	68	72	375146	1076172	638788
		90	86			1130465	998619	885204
J36212.D								
	67958-1	40	31	62	69	365053	1107235	645482
		88	64			1122872	1086743	885425
J36213.D								
	67959-1	1*	2*	72	73	391136	1134145	656317
			77			1148576	1187269	1050202
J36214.D								
	67960-1	44	36	74	76	364951	1037329	648402
		83	70			969948	748093	743769
J36215.D								
	67993-1,,B	0*	0*	67	70	393786	1130745	674088
		0*	61			1182432	1217328	1035926
J36216.D								
	67967-4	66	75	69	75	390233	1171594	681735
		89	74			1213538	1140903	992234
J36217SP.D								
	67967-4,MS	69	76	75	82	372623	1086819	634919
		91	89			989879	942807	953992
J36218SP.D								
	67967-4,MS	69	75	75	84	371922	1088099	625730
		96	95			1122682	939056	953834
J36219.D								
	67967-3	63	71	66	71	382357	1125404	654397
		86	74			1156179	1081298	906133
J36220.D								
	67967-2	71	81	78	87	376714	1110941	647530
		93	76			1088396	1039671	930754
J36221.D								
	67967-1	62	73	72	77	383938	1127912	651720
		88	79			1141975	1052559	964272
J36222.D								
	67995-1	48	19	67	74	374310	1107607	650191
		72	53			942440	1042386	940676
J36223.D								
	67957-1,,1	23*	30*	28*	28*	360174	1109066	626193
	2X	31*	14*			614901	1064112	720112

Rey

(fails) - fails 12hr time check * - fails criteria

Created: Fri Oct 15 20:51:00 2010 Instrument J

Tune File : C:\msdchem\1\DATA\101410-J\J36193T.D
Tune Time : 15 Oct 2010 3:25 am

ADDS/Extras

Daily Calibration File : C:\msdchem\1\DATA\101410-J\J36195SC.D

						380066	1149610	676907
						1172540	1146150	1057780

10/18/10

File	Sample	Surrogate Recovery %				Internal Standard Responses		
J36196B.D								
	B101210AW,	51	38	79	83	401791	1176616	687530
		93	84			1201724	1256992	1084559
J36197Q.D								
	L101210AW,	54	38	80	87	424741	1265356	746963
		97	97			1314122	1122769	1184427
J36198Q.D								
	LD101210AW	52	37	77	82	412192	1242323	726232
		96	97			1279810	1104610	1145261
J36199.D								
	67980-13	54	40	83	87	415285	1194763	704503
		93	82			1232114	1255907	1077523
J36200.D								
	67980-14	51	38	78	82	392373	1155767	676997
		91	95			1185286	1211827	1044273
J36201.D								
	68000-2	32	30	74	79	367951	1083545	634103
		53*	71			1123907	1078907	984478
J36204B.D								
	B100710AAS	57	61	62	65	388874	1126246	674507
		79	82			1176150	1203690	1060647
J36205Q.D								
	L100710AAS	62	67	67	73	368589	1094424	654944
		89	92			1047056	1014543	1011354
J36206Q.D								
	LD100710AA	61	66	66	74	360775	1072760	621677
		89	97			1095693	925580	918040
J36216.D								
	67967-4	64	75	69	74	390233	1160560	678031
		90	74			1213244	1135708	992234
J36217SP.D								
	67967-4,MS	70	77	75	83	370587	1086819	629690
		92	86			988625	942824	951081
J36218SP.D								
	67967-4,MS	69	75	75	84	369263	1088099	625730
		96	95			1122682	929322	952624
J36219.D								
	67967-3	63	71	66	72	379480	1120913	650879
		86	75			1156179	1063295	903713
J36220.D								

J101810

		93	76			1085689	1028934	923624
J36221.D								
	67967-1	62	73	72	77	383938	1126053	649776
		88	79			1136934	1046165	957605

(fails) - fails 12hr time check * - fails criteria

Created: Mon Oct 18 01:41:33 2010 Instrument J

PCB
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 22, 2010

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: Lab QC

SAMPLE DATA

Lab Sample ID: B100810PW
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/08/10
Analysis Date: 10/12/10

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U
PCB-1262	0.2	U
PCB-1268	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	94	%
Decachlorobiphenyl	63	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB EXT Report

Authorized signature

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31582B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 12:54 pm
Operator : JK
Sample : B100810PW
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 08:51:28 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10-14-10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
System Monitoring Compounds							
1) S TCX	2.142	1.803	171.3E6	771.8E6	93.580	88.800	
Spiked Amount	100.000	Range	46 - 122	Recovery =	93.58%	88.80%	
17) S DCB	6.379	5.645	74203333	484.1E6	63.036	67.360	
Spiked Amount	100.000	Range	40 - 135	Recovery =	63.04%	67.36%	
Target Compounds							
2) L1M Ar1016 A	2.467	2.012	1856096	1603717	0.010	N.D.	#
3) L1M Ar1016 B	3.196	2.216	1517331	473057	N.D.	N.D.	
4) L1M Ar1016 C	3.298	2.562	1692362	12952030	0.022	0.033	#
5) L1M Ar1016 D	3.366	2.855	1264909	962463	0.002	N.D.	#
6) L1M Ar1016 E	3.571	3.106	1243260	1480136	N.D.	N.D.	
Sum Ar1016 A			4813367	12952030	0.027	N.D.	
Average Ar1016 A					0.009	-0.048	
7) L2M Ar1260 A	4.616	3.730	185293	3654495	N.D.	N.D.	
8) L2M Ar1260 B	4.788	3.958	217124	9531789	N.D.	0.003	#
9) L2M Ar1260 C	4.919	4.180	804081	8713549	N.D.	0.002	#
10) L2M Ar1260 D	5.120	4.275	405683	9247009	N.D.	0.013	#
11) L2M Ar1260 E	5.316	4.522	175734	3740427	N.D.	0.005	#
Sum Ar1260 A			0	31232774	N.D.	0.019	
Average Ar1260 A					0.000	0.005	
12) L3M Ar1254 A	3.916	3.106	519571	1480136	0.008	0.005	#
13) L3M Ar1254 B	4.065	3.299	387940	721593	0.005	0.001	#
14) L3M Ar1254 C	4.355	3.509	199951	3308966	0.003	0.011	#
15) L3M Ar1254 D	4.641	3.833	207269	4164821	0.002	0.009	#
16) L3M Ar1254 E	4.788	3.958	217124	9531789	0.004	0.022	#
Sum Ar1254 A			1531856	19207306	0.023	0.048	
Average Ar1254 A					0.005	0.010	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

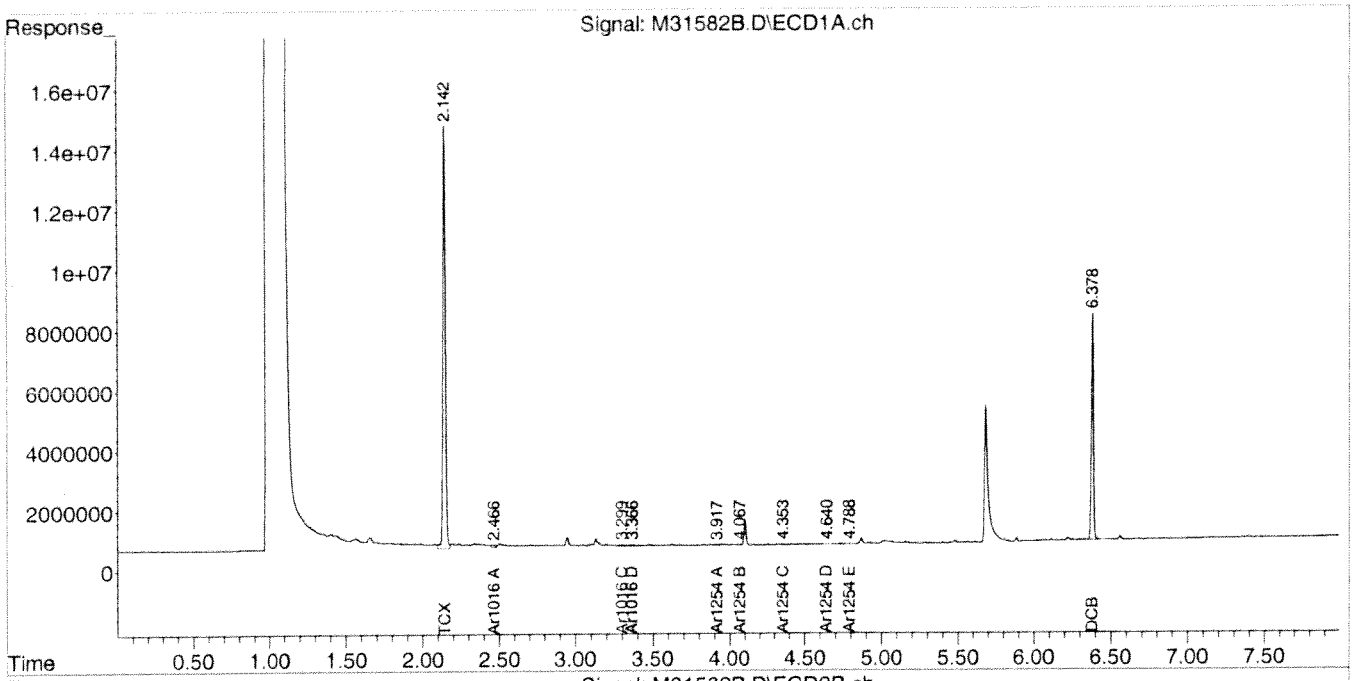
ND PCB

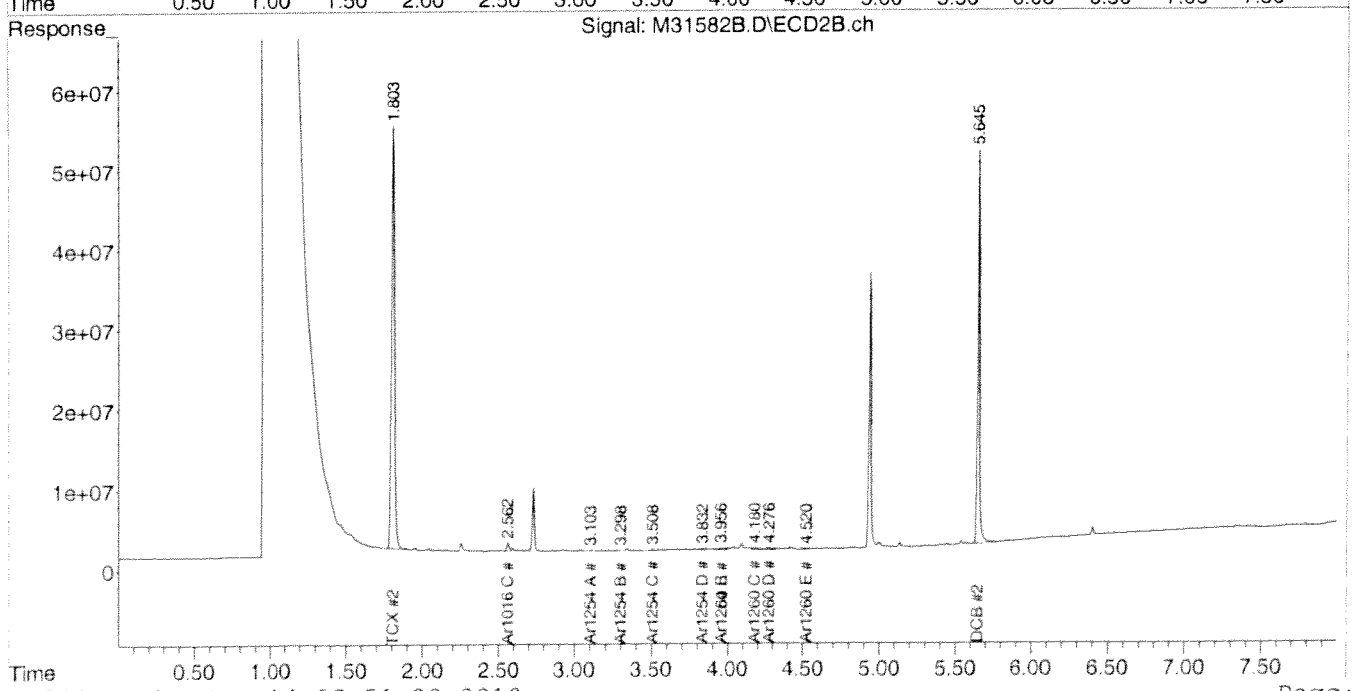
3101410

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31582B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 12:54 pm
Operator : JK
Sample : B100810PW
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 08:51:28 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 14, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: Lab QC

Lab Sample ID: B100810PW
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/08/10
Analysis Date: 10/12/10

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U
PCB-1262	0.2	U
PCB-1268	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	100	%
Decachlorobiphenyl	67	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB EXT Report

Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31599B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:48 pm
Operator : JK
Sample : B100810PW
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 09:04:02 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.14.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.134	1.800	182.5E6	835.0E6	99.713	96.070
Spiked Amount	100.000	Range	46 - 122	Recovery =	99.71%	96.07%
17) S DCB	6.370	5.642	79379910	525.9E6	67.434	73.172
Spiked Amount	100.000	Range	40 - 135	Recovery =	67.43%	73.17%
Target Compounds						
2) L1M Ar1016 A	2.457	2.010	1921524	1457512	0.013	N.D. #
3) L1M Ar1016 B	3.181	2.214	1853837	172151	0.004	N.D. #
4) L1M Ar1016 C	3.268	2.561	1112443	13063278	0.004	0.033 #
5) L1M Ar1016 D	3.357	2.853	3314398	5741305	0.077	0.006 #
6) L1M Ar1016 E	3.563	3.105	1792348	8713460	0.010	0.058 #
Sum Ar1016 A			9994549	27518043	0.107	0.033
Average Ar1016 A					0.021	0.011
7) L2M Ar1260 A	4.592	3.729	1066253	9806096	N.D.	0.010 #
8) L2M Ar1260 B	4.780	3.955	1840493	12721520	N.D.	0.008 #
9) L2M Ar1260 C	4.912	4.182	1140510	10330035	N.D.	0.005 #
10) L2M Ar1260 D	5.101	4.274	533983	12529823	N.D.	0.021 #
11) L2M Ar1260 E	5.311	4.501	401932	2021884	N.D.	0.001 #
Sum Ar1260 A			0	47409358	N.D.	0.044
Average Ar1260 A					0.000	0.009
12) L3M Ar1254 A	3.908	3.105	1118757	8713460	0.017	0.032 #
13) L3M Ar1254 B	4.095	3.295	149.7E6	7334916	2.028	0.014 #
14) L3M Ar1254 C	4.350	3.508	591753	16982524	0.010	0.054 #
15) L3M Ar1254 D	4.640	3.832	932225	11591818	0.010	0.024 #
16) L3M Ar1254 E	4.780	3.955	1840493	12721520	0.034	0.030
Sum Ar1254 A			154.2E6	57344237	2.099	0.154
Average Ar1254 A					0.420	0.031

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ND
PCB

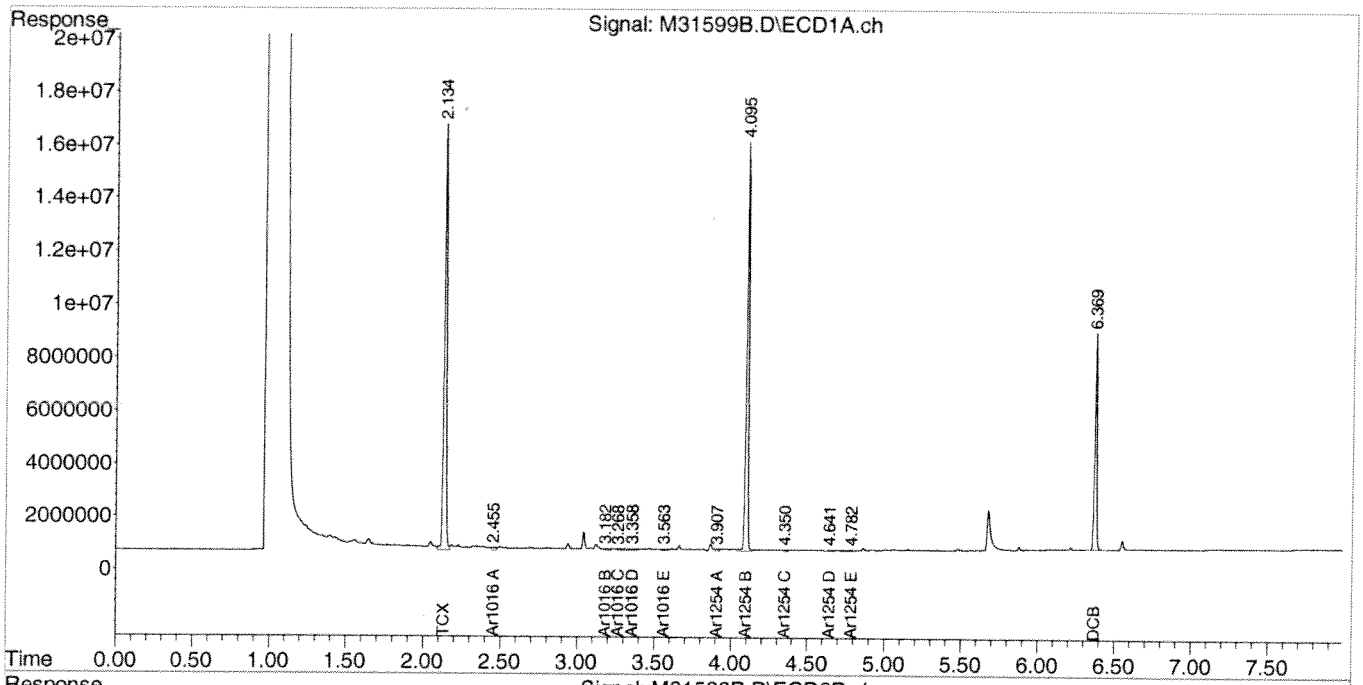
J101410

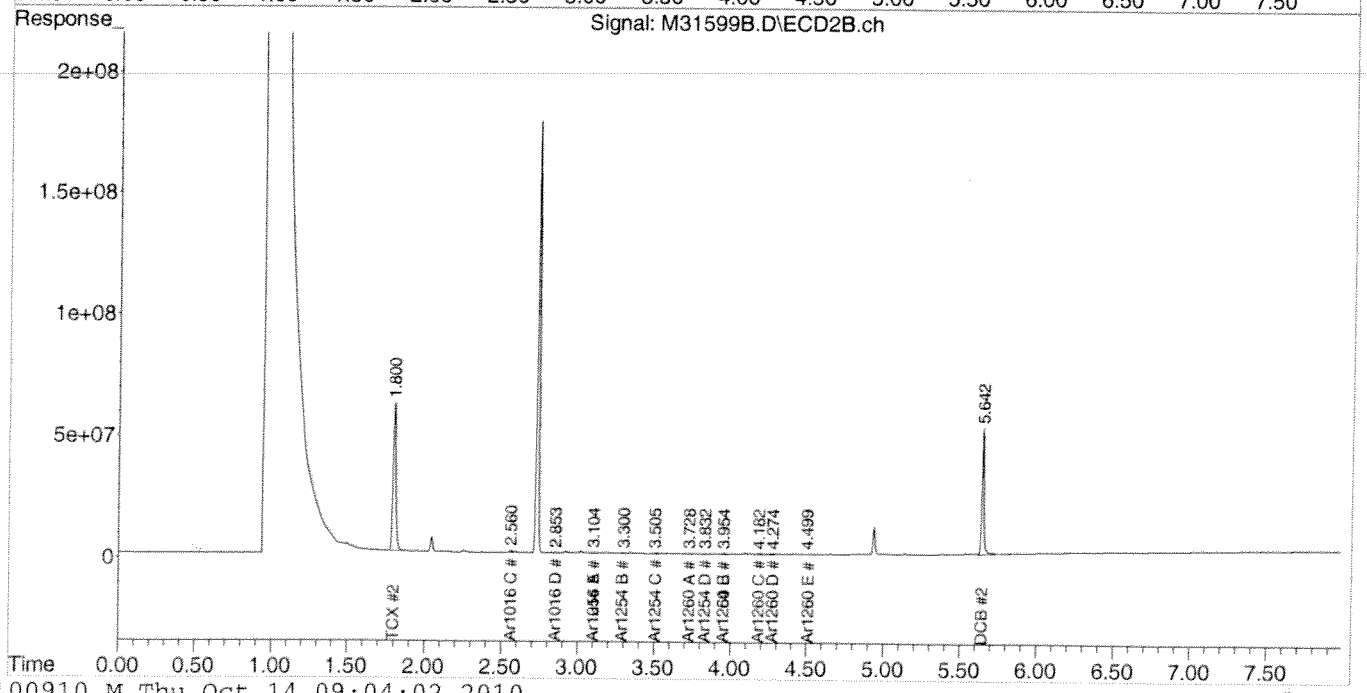
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31599B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:48 pm
Operator : JK
Sample : B100810PW
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 09:04:02 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID: B101210PSOX2 RR2
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/12/10
Analysis Date: 10/18/10

CLIENT SAMPLE ID

Project Name: NAS SOWEY
Project Number: 106-2282
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U
PCB-1262	33	U
PCB-1268	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	106	%
Decachlorobiphenyl	68	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31813B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:31 pm
Operator : JK
Sample : B101210PSOX2,RR2,,A/C
Misc : SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 12:49:46 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10.13.10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.130	1.794	193.7E6	829.7E6	105.818	95.458
Spiked Amount	100.000 Range	40 - 130	Recovery	=	105.82%	95.46%
17) S DCB	6.370	5.642	80047916	533.9E6	68.001	74.289m
Spiked Amount	100.000 Range	40 - 130	Recovery	=	68.00%	74.29%
Target Compounds						
2) L1M Ar1016 A	2.452	1.994	10990210	47390319	0.322	0.236 #
3) L1M Ar1016 B	3.175	2.217	13135061	40939188	0.230	0.110 #
4) L1M Ar1016 C	3.296	2.559	8763868	150.8E6	0.242	0.540 #
5) L1M Ar1016 D	3.337	2.843	5308393	20571351	0.151	0.059 #
6) L1M Ar1016 E	3.561	3.120	7316609	40849215	0.147	0.348 #
Sum Ar1016 A			45514141	300.5E6	1.092	1.294
Average Ar1016 A					0.218	0.259
7) L2M Ar1260 A	4.580	3.772	5812580	38075980	0.046	0.079 #
8) L2M Ar1260 B	4.784	3.954	2123934	21125111	N.D.	0.021 #
9) L2M Ar1260 C	4.882	4.223	9500056	33872520	0.080	0.039 #
10) L2M Ar1260 D	5.142	4.279	7258203	46924031	0.079	0.099 #
11) L2M Ar1260 E	5.335	4.470	2280075	12992163	0.007	0.027 #
Sum Ar1260 A			24850914	153.0E6	0.209	0.266
Average Ar1260 A					0.052	0.053
12) L3M Ar1254 A	3.915	3.120	18885843	40849215	0.283	0.151 #
13) L3M Ar1254 B	4.094	3.295	1761.3E6	23212303	23.856	0.045 #
14) L3M Ar1254 C	4.348	3.507	3444665	29480914	0.057	0.095 #
15) L3M Ar1254 D	4.651	3.772	4558117	38075980	0.050	0.079 #
16) L3M Ar1254 E	4.784	3.954	2123934	21125111	0.040	0.049
Sum Ar1254 A			1790.3E6	152.7E6	24.287	0.418
Average Ar1254 A					4.857	0.084

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

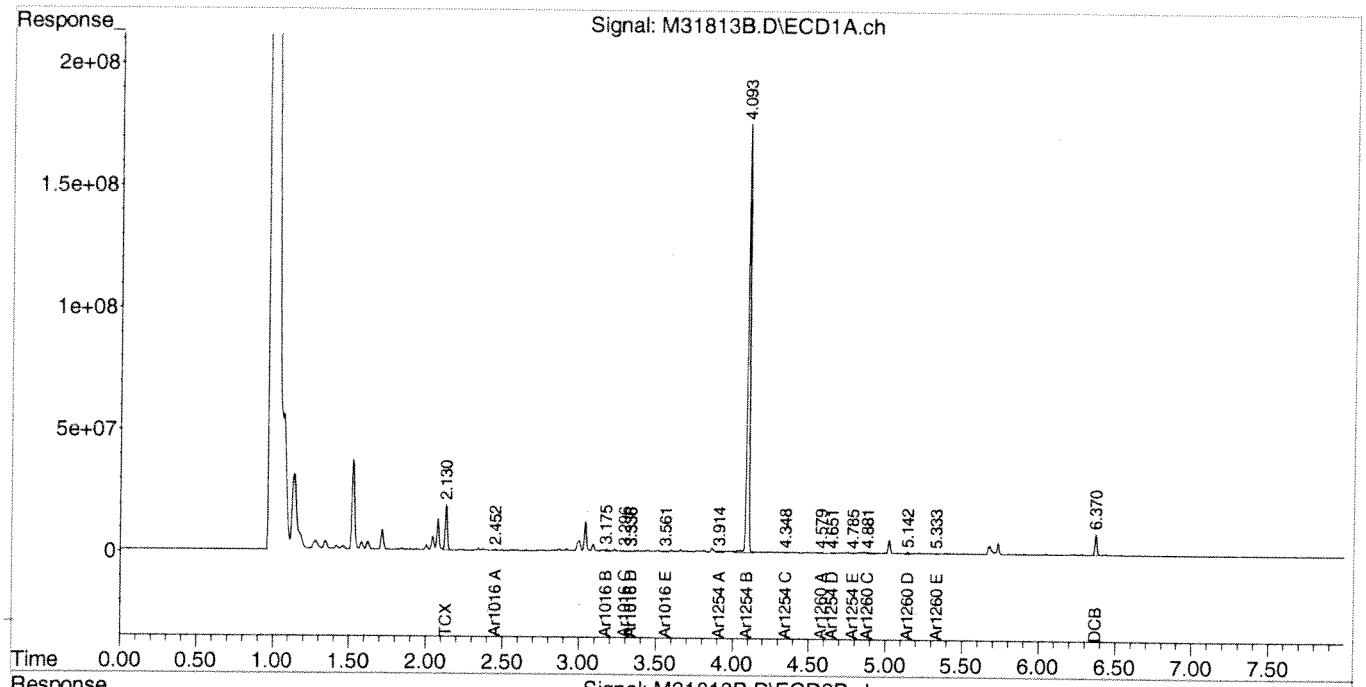
ND
PCB

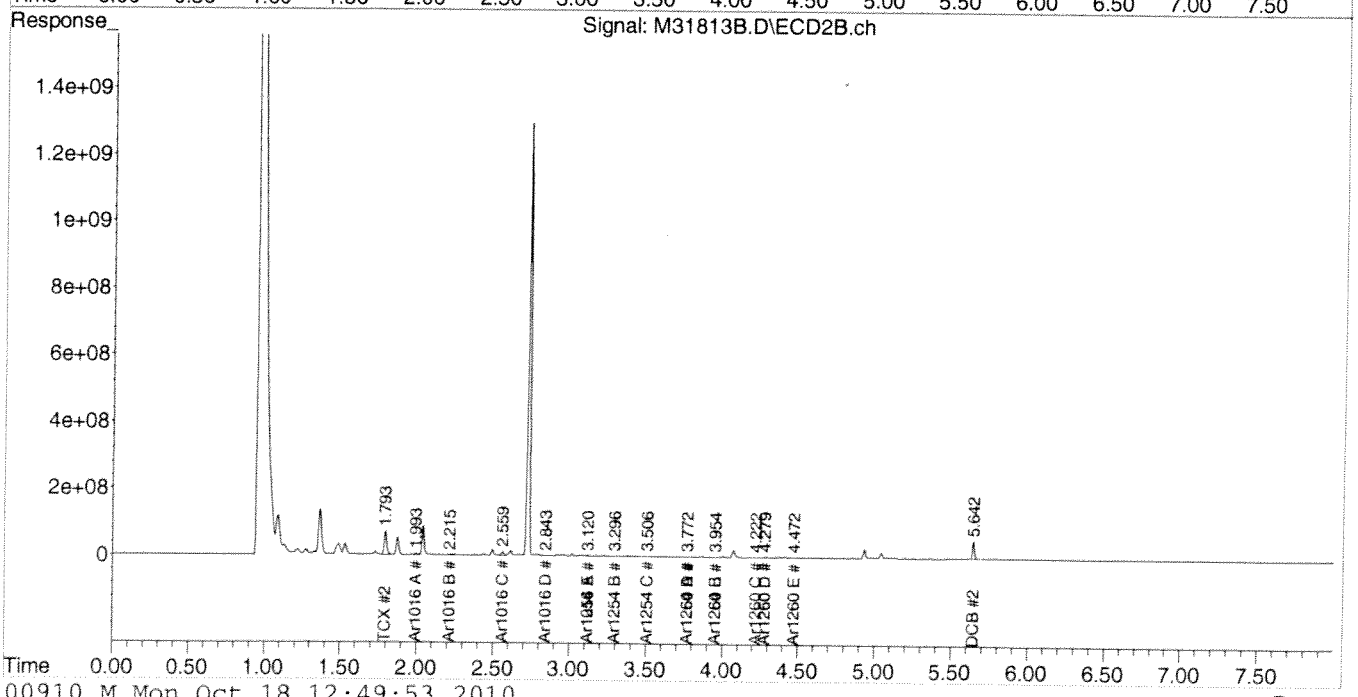
10/18/10

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31813B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:31 pm
Operator : JK
Sample : B101210PSOX2,RR2,,A/C
Misc : SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 12:49:46 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



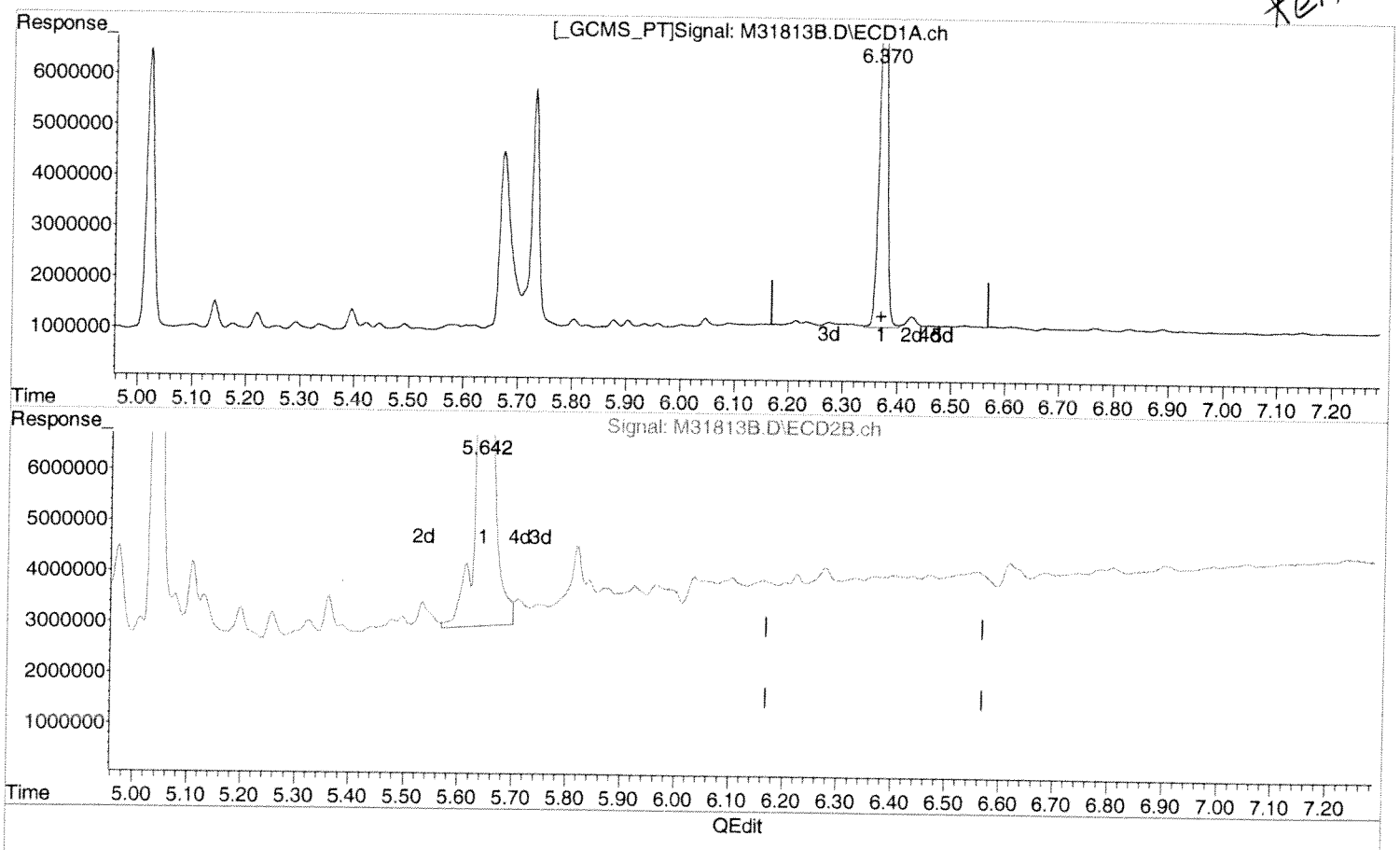


Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31813B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:31 pm
Operator : JK
Sample : B101210PSOX2,RR2,,A/C
Misc : SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 12:49:35 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.19.10 KEA



(17) DCB (S)
6.370min 68.001 ug/ml
response 80047916

(17) DCB #2 (S)
5.643min 77.126 ug/ml
response 554295928

10/18/10

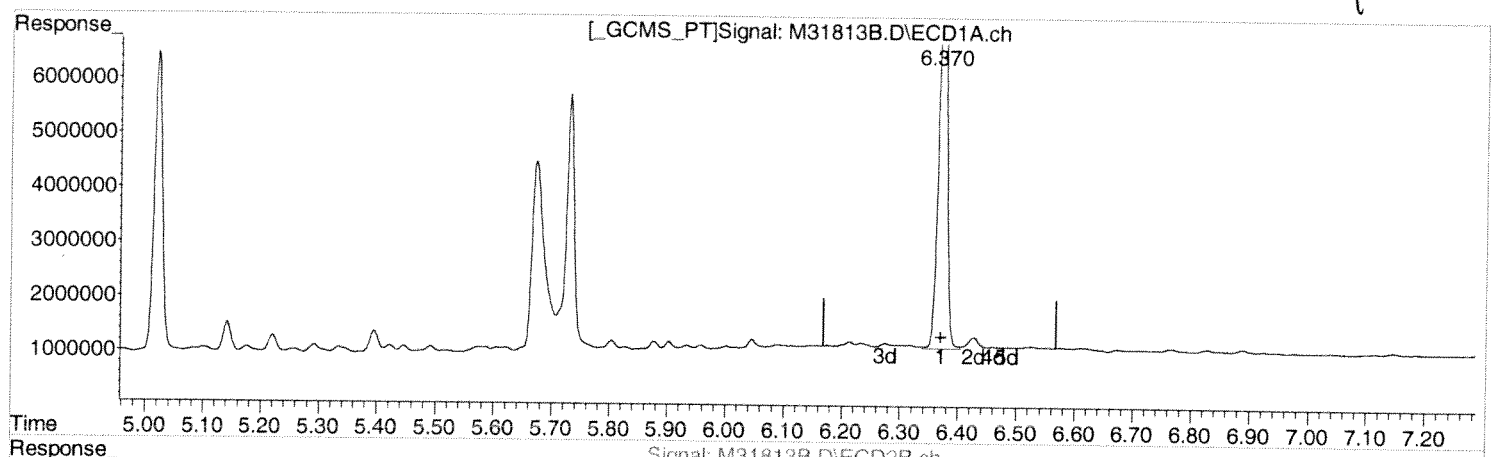
(+) = Expected Retention Time
PCB100910.M Mon Oct 18 12:49:43 2010

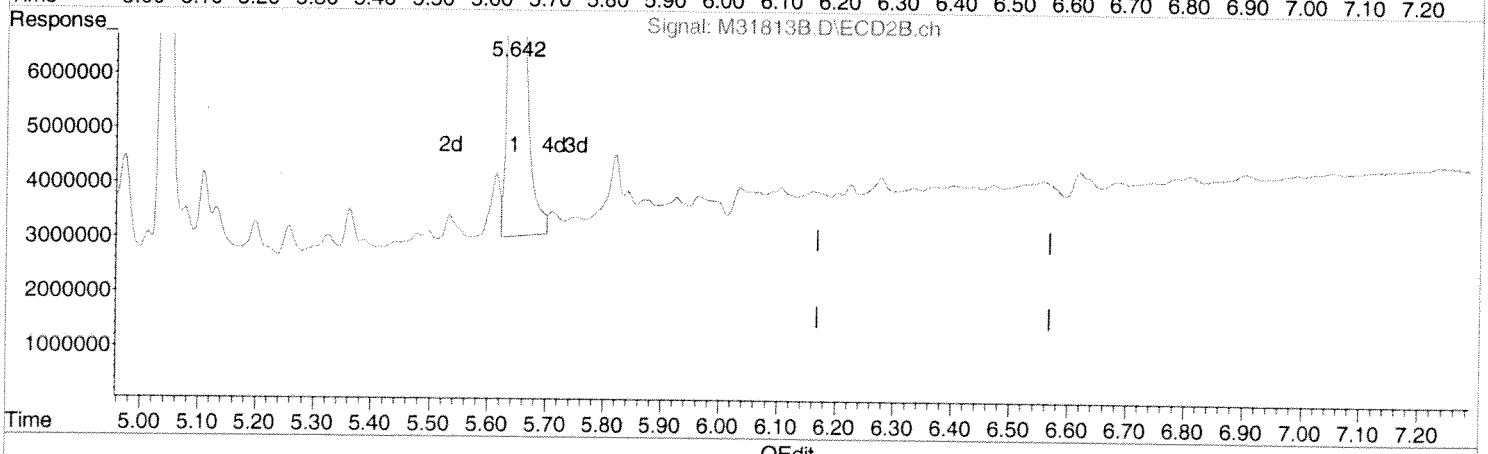
Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31813B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:31 pm
Operator : JK
Sample : B101210PSOX2,RR2,,A/C
Misc : SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 12:49:35 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10.13.10





QEdit

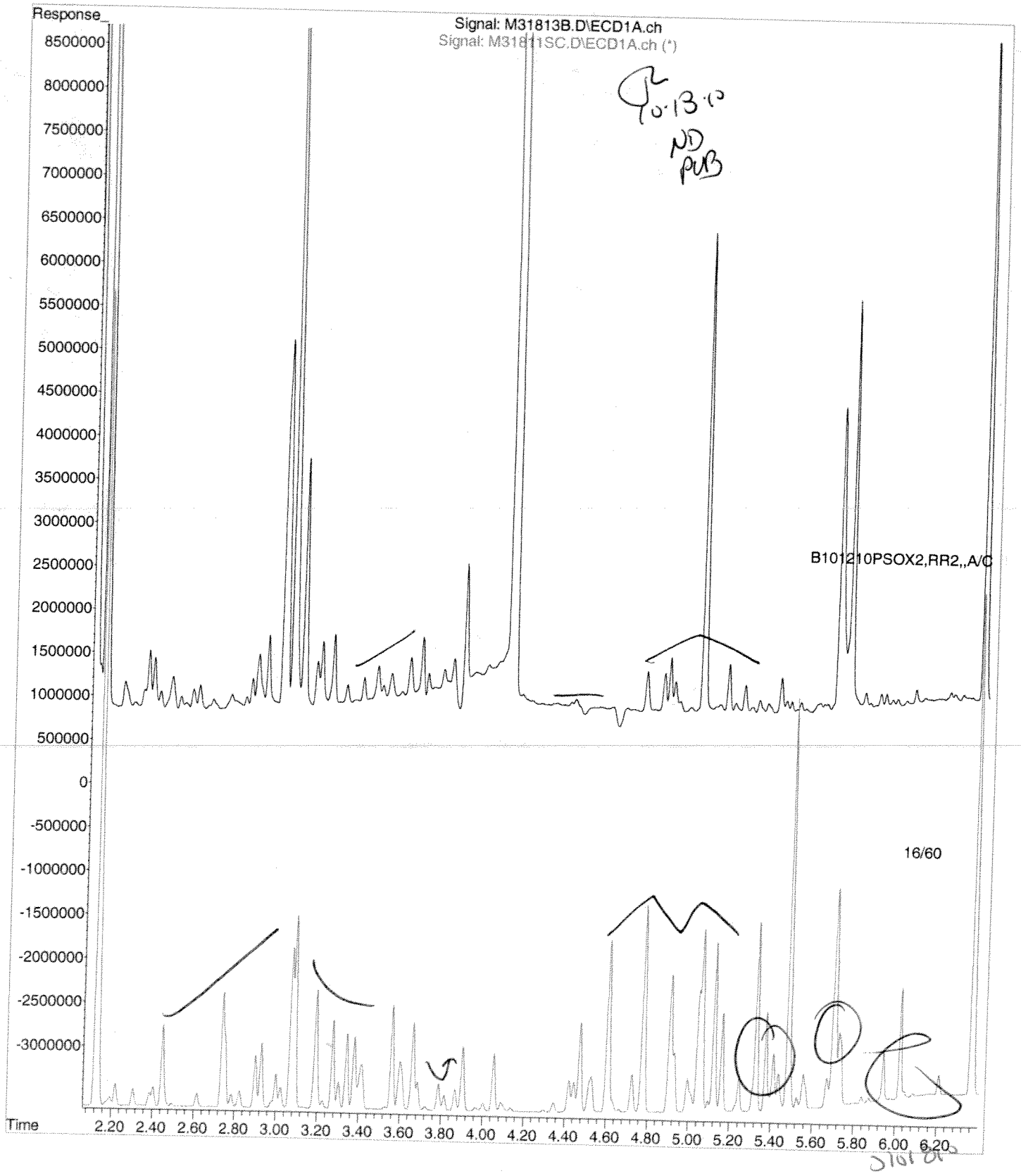
(17) DCB (S)
6.370min 68.001 ug/ml
response 80047916

(17) DCB #2 (S)
5.642min 74.289 ug/ml m
response 533908669

101810

(+) = Expected Retention Time
PCB100910.M Mon Oct 18 12:49:49 2010

File :C:\msdchem\1\DATA\101810-M\M31813B.D
Operator : JK
Acquired : 18 Oct 2010 12:31 pm using AcqMethod PEST.M
Instrument : Instrument M
Sample Name: B101210PSOX2,RR2,,A/C
Misc Info : SOIL
Vial Number: 6



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: NAS SOWEY

Project Number: 106-2282

Field Sample ID: WC-B82-GTM-03

Lab Sample ID: 68000-1
Matrix: Solid
Percent Solid: 87
Dilution Factor: 11
Collection Date: 10/07/10
Lab Receipt Date: 10/08/10
Extraction Date: 10/12/10
Analysis Date: 10/18/10

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	360	U
PCB-1221	360	U
PCB-1232	360	U
PCB-1242	360	U
PCB-1248	360	U
PCB-1254	360	U
PCB-1260	360	**5770**
PCB-1262	360	U
PCB-1268	360	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	85	%
Decachlorobiphenyl	75	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB EXT Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Sample: 68000-1,1:10,,A/C
Data File: M31816.D
Dilution Factor: 11.1

10.13.10

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	5772	4687	20.8	

Column to be used to flag RPD values greater than QC limit of 40%
* Values outside QC limits

Comments: 10/18/10

PCB FORM 10

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Conversion Worksheet

Sample	Misc Info	Final Vol (mL)	Wt (g) Ext	Wt (kg)	% Sol	Dil	CF	DF
68000-1,1:10,,A/C	SOIL	5	10.45	0.01045	0.8652	10	5530.1537	11.060307

✓ 5/02/10

PCB FORM 10

Quantification Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31816.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:01 pm
Operator : JK
Sample : 68000-1,1:10,,A/C
Misc : SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:12:00 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10/18/

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.130	1.797	15631813	94886372	8.539m	10.917 #
Spiked Amount	100.000 Range	40 - 130	Recovery	=	8.54%# 85	10.92%# 109
17) S DCB	6.376	5.644	8864697	86743989	7.531m	12.070m#
Spiked Amount	100.000 Range	40 - 130	Recovery	=	7.53%# 75	12.07%# 121
Target Compounds						
2) L1M Ar1016 A	2.430	1.967	128.2E6	726.1E6	4.320	4.305
3) L1M Ar1016 B	3.207	2.187	352.9E6	697.0E6	7.034	2.276 #
4) L1M Ar1016 C	3.298	2.628	291.0E6	3636.4E6	9.042	13.362 #
5) L1M Ar1016 D	3.342	2.841	237.4E6	97078080	8.713	0.334 #
6) L1M Ar1016 E	3.552	3.112	963.0E6	160.3E6	23.916	1.428 #
Sum Ar1016 A			1972.4E6	5316.9E6	53.025	21.704
Average Ar1016 A					10.605	4.341
7) L2M Ar1260 A	4.608	3.741	68791740	328.9E6	0.885m	0.790
8) L2M Ar1260 B	4.780	3.957	98215304	468.5E6	1.080m	0.722 #
9) L2M Ar1260 C	4.909	4.182	53494219	827.5E6	0.605m	1.191 #
10) L2M Ar1260 D	5.124	4.271	74064570	308.5E6	1.102m	0.697 #
11) L2M Ar1260 E	5.309	4.471	117.3E6	345.2E6	1.547m	0.837 #
Sum Ar1260 A			411.8E6	2278.7E6	5.219	4.237
Average Ar1260 A					1.044	0.847
12) L3M Ar1254 A	3.933	3.112	6178.3E6	160.3E6	92.639	0.592 #
13) L3M Ar1254 B	4.054	3.282	7163.0E6	1077.2E6	97.024	2.071 #
14) L3M Ar1254 C	4.367	3.508	423.5E6	183.6E6	7.036	0.589 #
15) L3M Ar1254 D	4.609	3.821	425.1E6	495.3E6	4.697	1.024 #
16) L3M Ar1254 E	4.780	3.957	316.8E6	468.5E6	5.923	1.097 #
Sum Ar1254 A			14506.7E6	2384.9E6	207.318	5.373
Average Ar1254 A					41.464	1.075

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

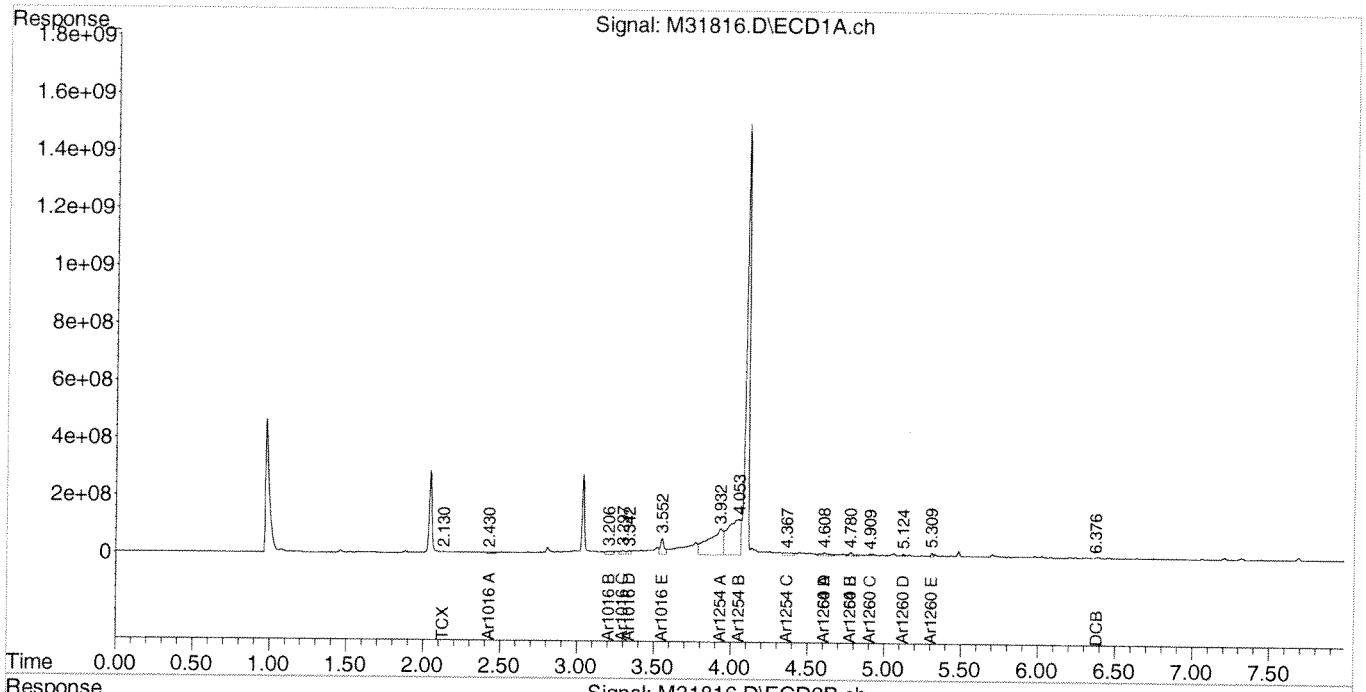
Sample Contains Ar1260

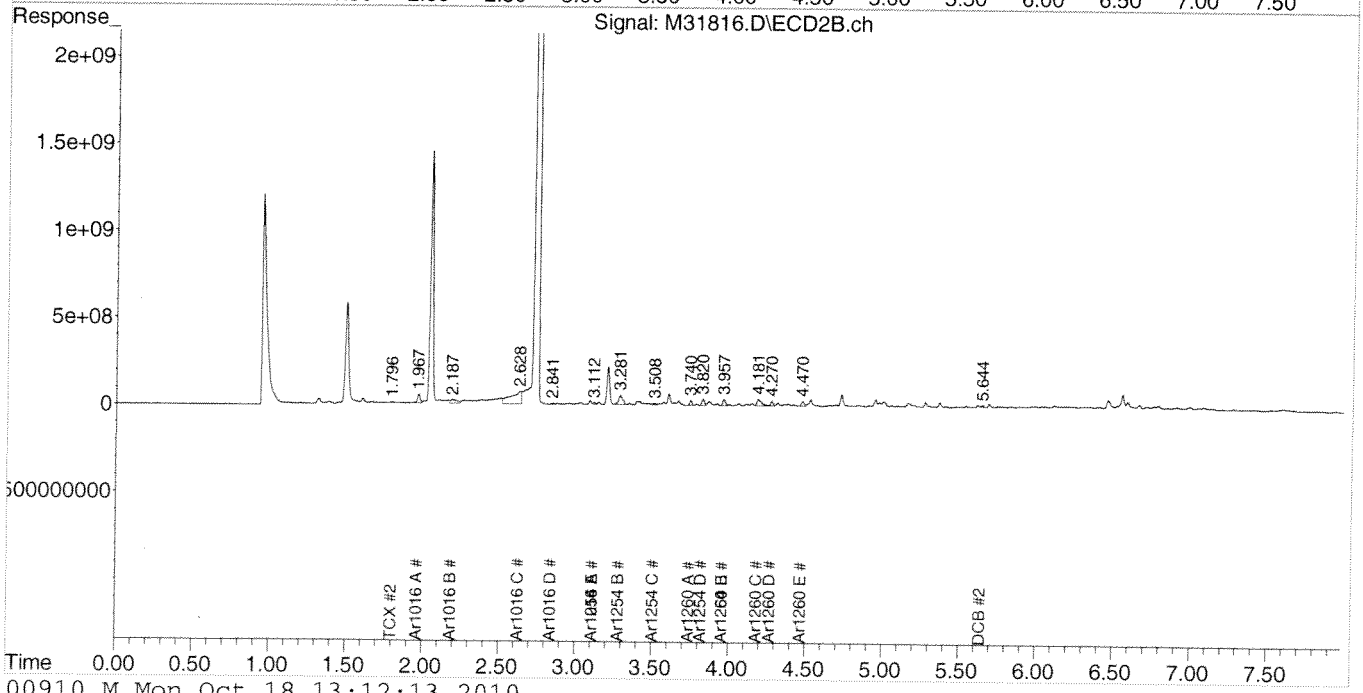
101810

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31816.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:01 pm
Operator : JK
Sample : 68000-1,1:10,,A/C
Misc : SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:12:00 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



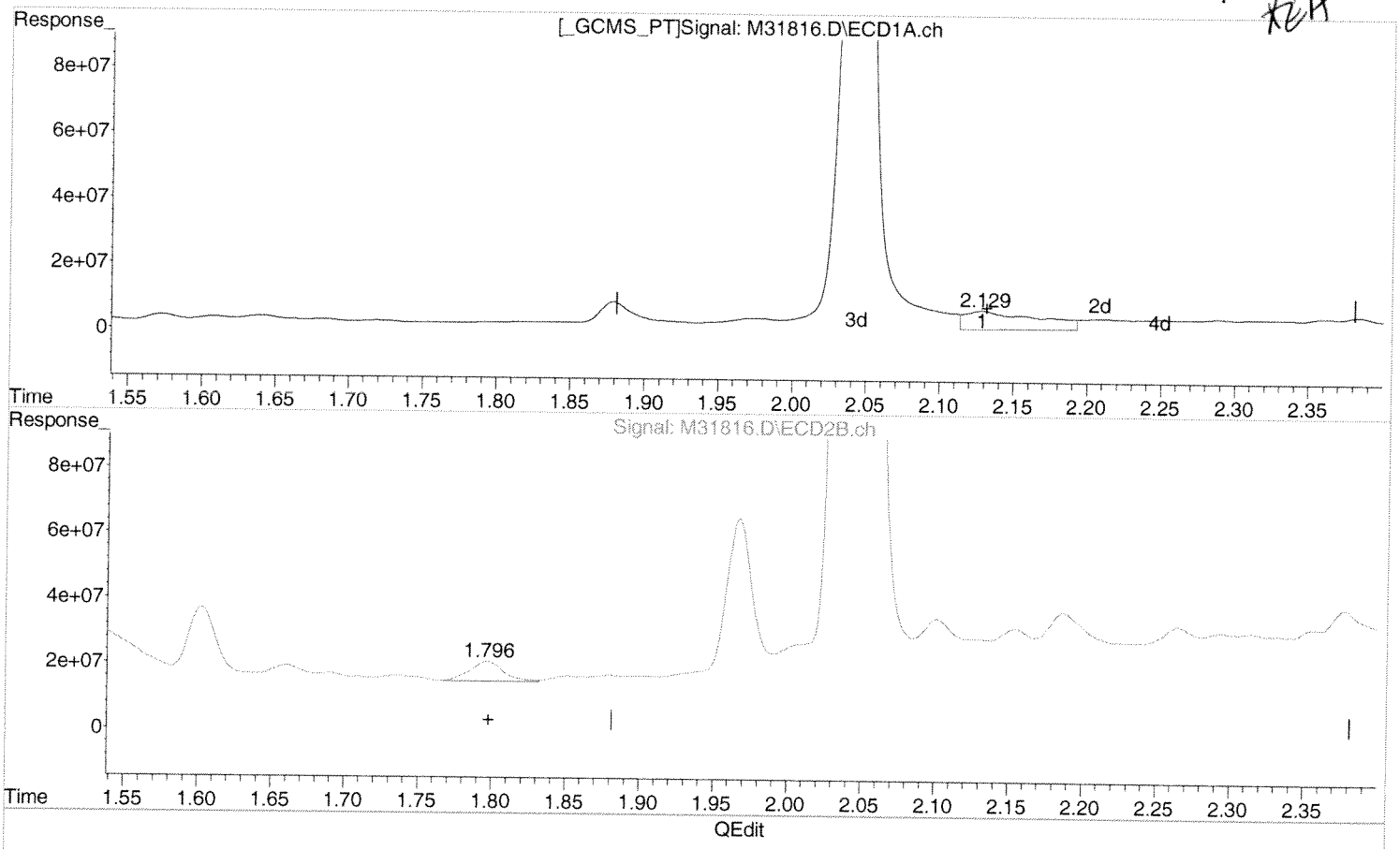


Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31816.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:01 pm
Operator : JK
Sample : 68000-1,1:10,,A/C
Misc : SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:10:12 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-13-10 KEA



(1) TCX (S)
2.129min 107.626 ug/ml
response 197024150

(1) TCX #2 (S)
1.797min 10.917 ug/ml
response 94886372

101810

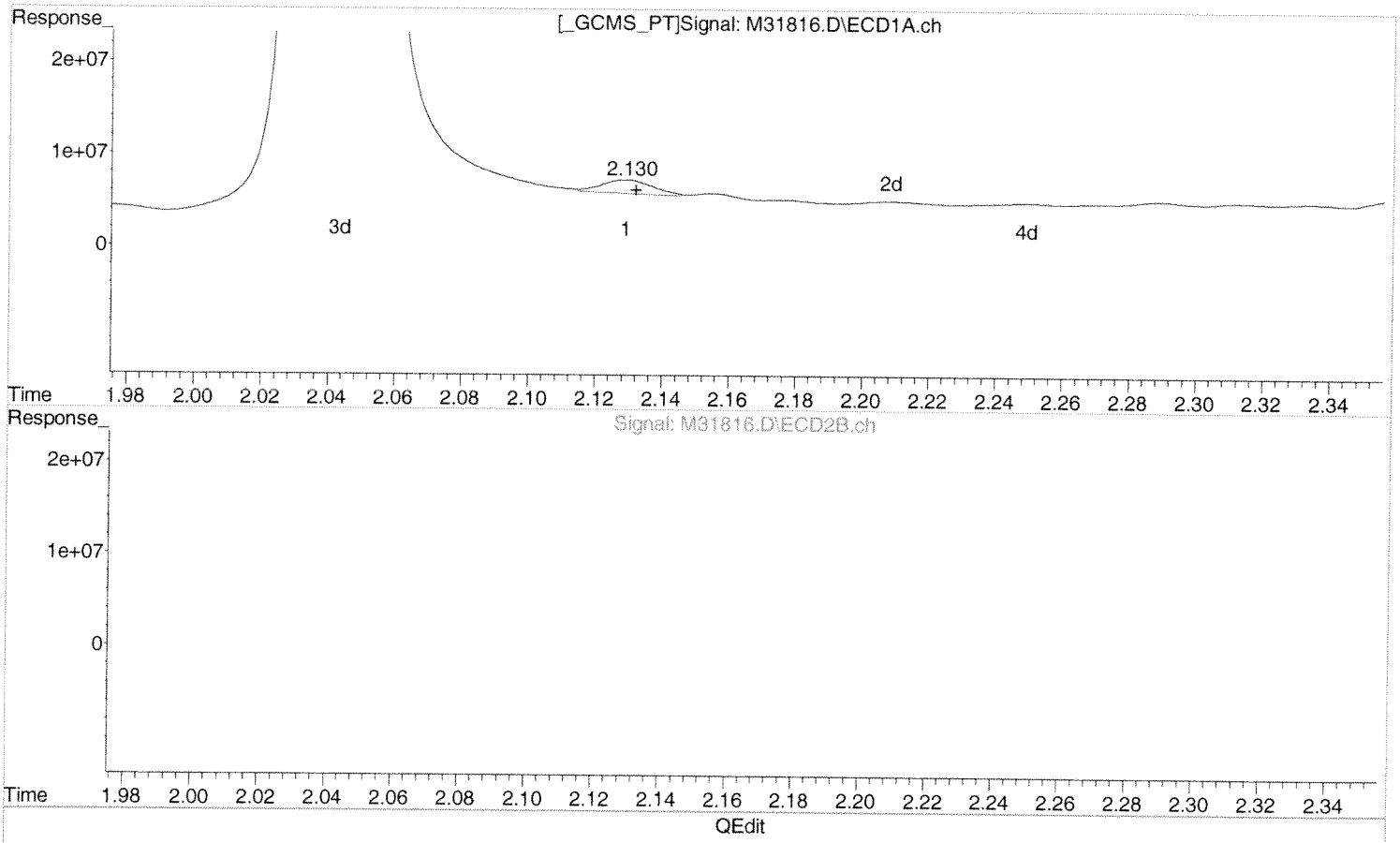
(+) = Expected Retention Time
PCB100910.M Mon Oct 18 13:10:19 2010

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31816.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:01 pm
Operator : JK
Sample : 68000-1,1:10,,A/C
Misc : SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:10:12 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10-19-10



(1) TCX (S)

2.130min 8.539 ug/ml m

response 15631813

(1) TCX #2 (S)

1.797min 10.917 ug/ml

response 94886372

3/01/910

(+) = Expected Retention Time

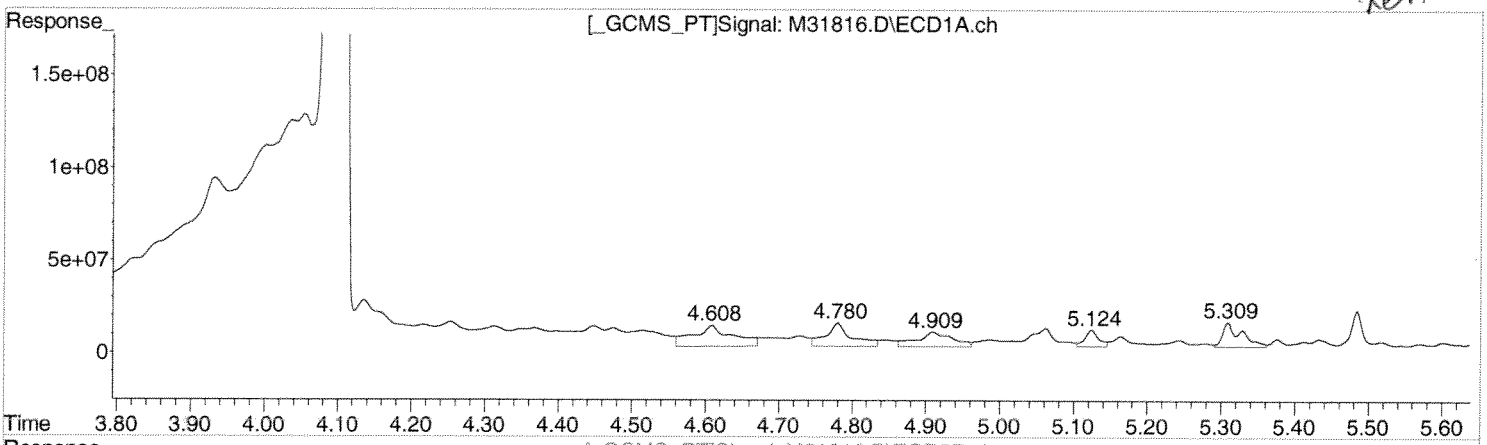
PCB100910.M Mon Oct 18 13:10:33 2010

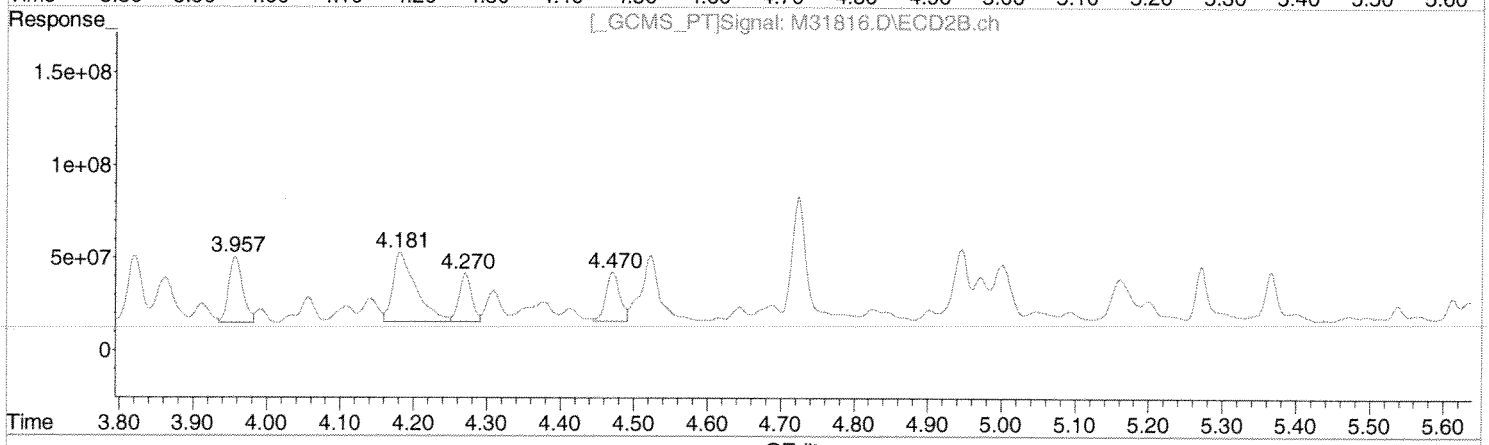
Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31816.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:01 pm
Operator : JK
Sample : 68000-1,1:10,,A/C
Misc : SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:10:12 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10-13-10





QEdit

(7) Ar1260 A (L2M)

R.T.	Response	Conc
4.61	425078951	5.63
4.78	316837857	3.54
4.91	259345688	3.06
5.12	121679143	1.83
5.31	239574091	3.19

(7) Ar1260 A #2 (L2M)

R.T.	Response	Conc
3.74	328857506	0.79
3.96	468539728	0.72
4.18	827511243	1.19
4.27	308529872	0.70
4.47	345239434	0.84

3/101810

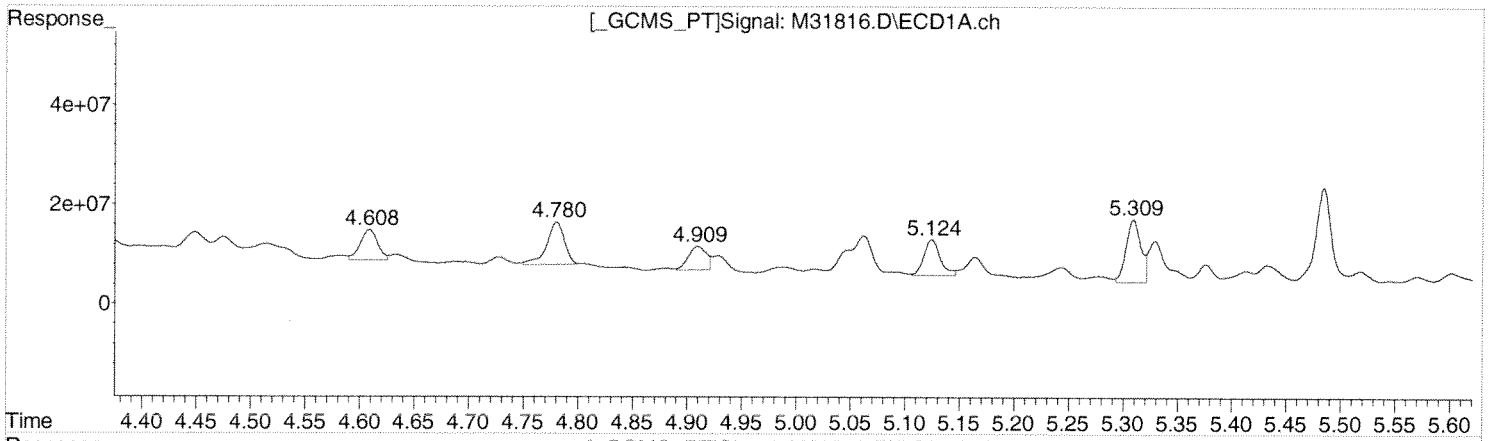
(+) = Expected Retention Time

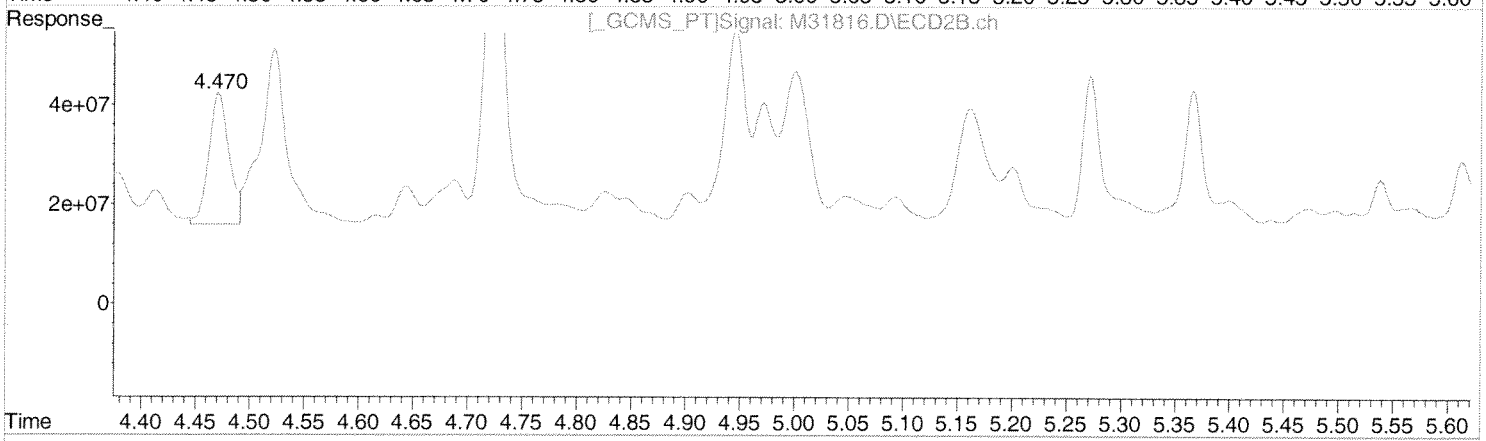
Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31816.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:01 pm
Operator : JK
Sample : 68000-1,1:10,,A/C
Misc : SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:10:12 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10-19-10





QEdit

(7) Ar1260 A #2 (L2M)

R.T.	Response	Conc
4.61	68791740	0.88
4.78	98215304	1.08
4.91	53494219	0.61
5.12	74064570	1.10
5.31	117251009	1.55

(7) Ar1260 A #2 (L2M)

R.T.	Response	Conc
3.74	328857506	0.79
3.96	468539728	0.72
4.18	827511243	1.19
4.27	308529872	0.70
4.47	345239434	0.84

J101810

(+) = Expected Retention Time

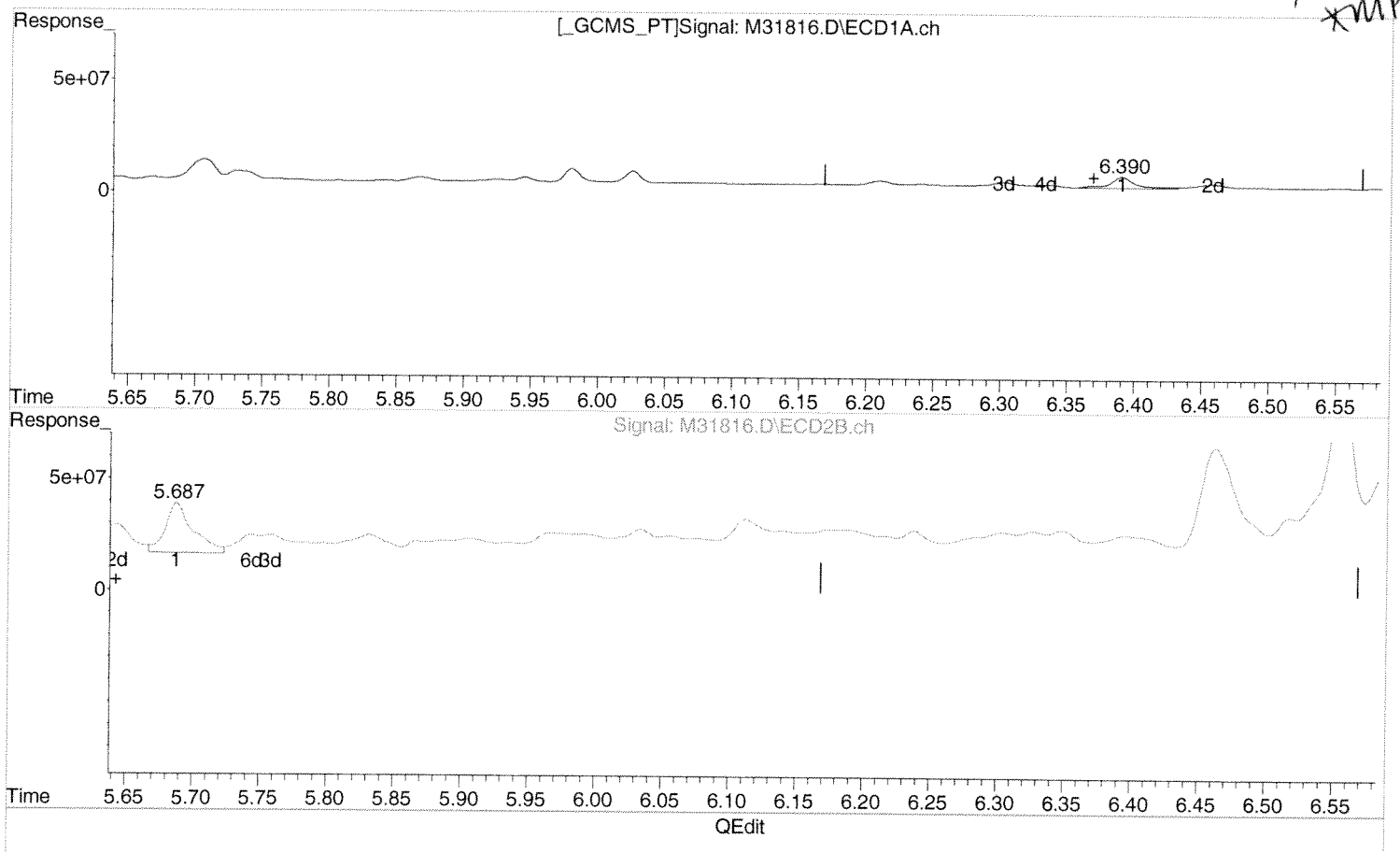
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31816.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:01 pm
Operator : JK
Sample : 68000-1,1:10,,A/C
Misc : SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:10:12 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10-19-10 XMP



(17) DCB (S)

6.390min 55.311 ug/ml

response 65109305

(17) DCB #2 (S)

5.688min 44.416 ug/ml

response 319209657

101810

(+) = Expected Retention Time

PCB100910.M Mon Oct 18 13:11:24 2010

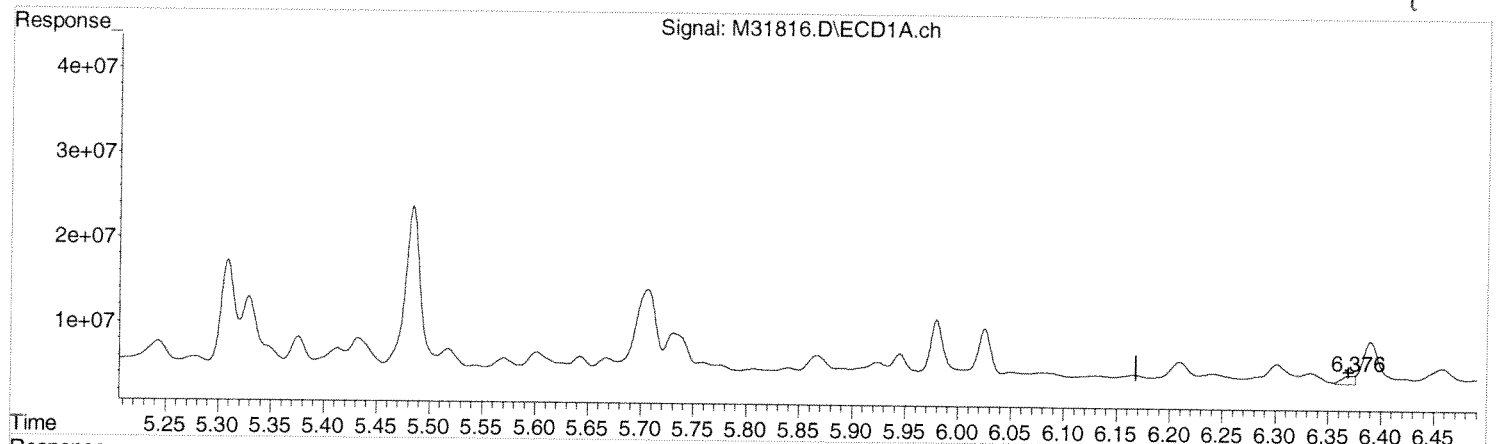
Quantitation Report (Qedit)

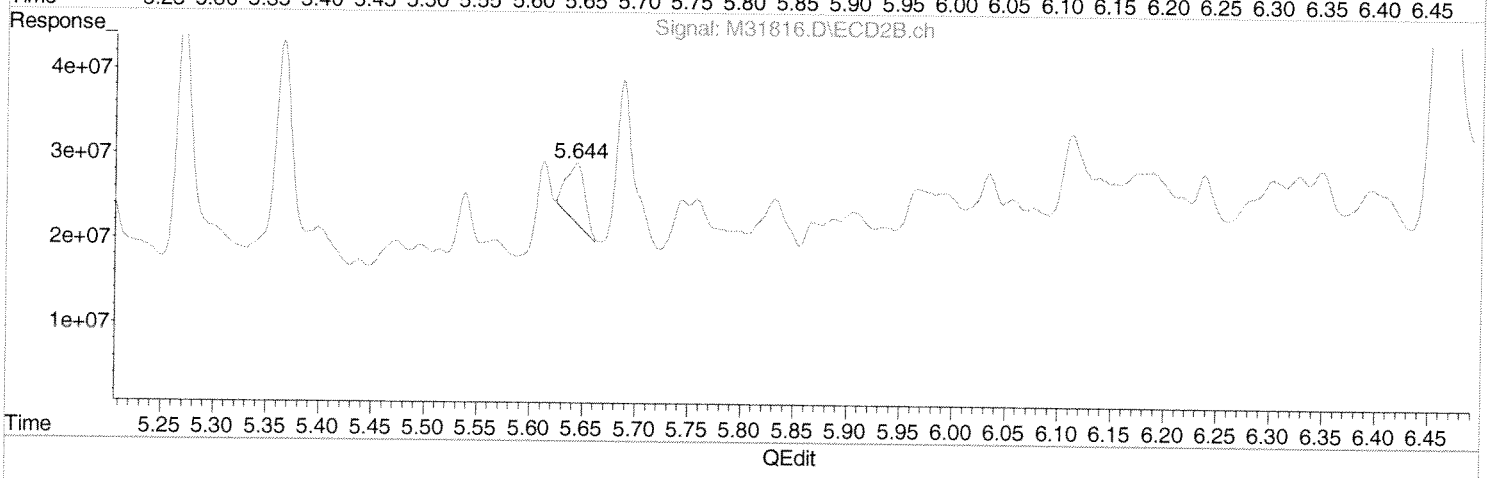
Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31816.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:01 pm
Operator : JK
Sample : 68000-1,1:10,,A/C
Misc : SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:10:12 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-18-10





(17) DCB (S)

6.376min 7.531 ug/ml m

response 8864697

(17) DCB #2 (S)

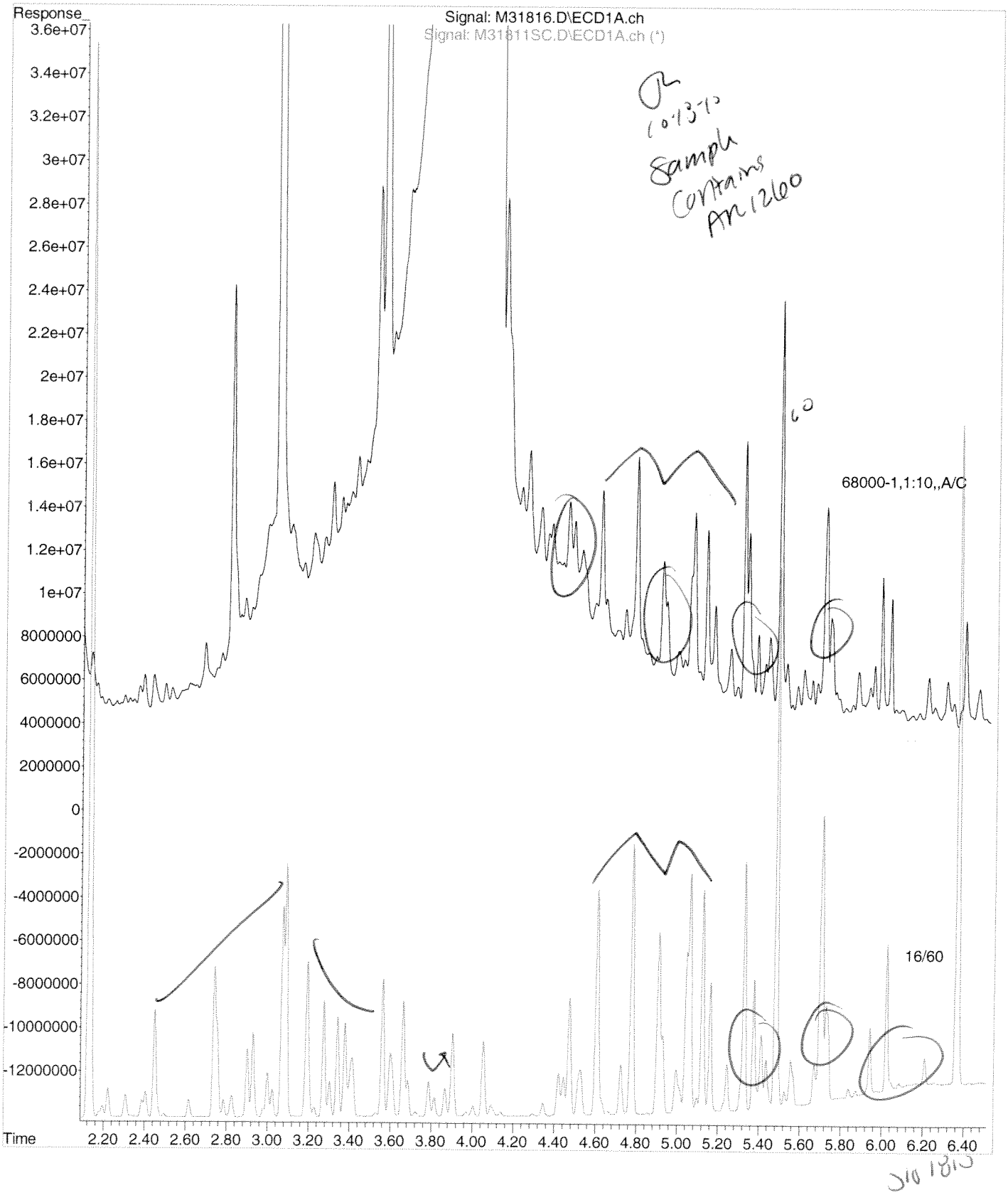
5.644min 12.070 ug/ml m

response 86743989

JW 10/18/10

(+) = Expected Retention Time
PCB100910.M Mon Oct 18 13:12:09 2010

File :C:\msdchem\1\DATA\101810-M\M31816.D
Operator : JK
Acquired : 18 Oct 2010 1:01 pm using AcqMethod PEST.M
Instrument : Instrument M
Sample Name: 68000-1,1:10,,A/C
Misc Info : SOIL
Vial Number: 9



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 14, 2010

SAMPLE DATA

Lab Sample ID:	68000-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	10/08/10
Lab Receipt Date:	10/08/10
Extraction Date:	10/08/10
Analysis Date:	10/12/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GP-01

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U
PCB-1262	0.2	U
PCB-1268	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	94	%
Decachlorobiphenyl	49	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

PCB EXT Report

Authorized signature

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:59 pm
Operator : JK
Sample : 68000-2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 09:04:04 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

DF = 1000/1020 = 0.98

10-14-11

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
						Col #1
System Monitoring Compounds						
1) S TCX	2.135	1.802	171.7E6	755.5E6	93.795	86.924
Spiked Amount	100.000 Range	46 - 122	Recovery	=	93.80%	86.92%
17) S DCB	6.370	5.643	57565917	370.4E6	48.903	51.539
Spiked Amount	100.000 Range	40 - 135	Recovery	=	48.90%	51.54%
Target Compounds						
2) L1M Ar1016 A	2.420	1.994	4092801	1967556	0.087	N.D. #
3) L1M Ar1016 B	3.174	2.199	10569818	20622484	0.179	0.043 #
4) L1M Ar1016 C	3.304	2.563	10960444	37940545	0.311	0.125 #
5) L1M Ar1016 D	3.304	2.836	10960444	24645709	0.359	0.074 #
6) L1M Ar1016 E	3.543	3.100	10677616	19888922	0.231	0.159 #
Sum Ar1016 A			47261121	103.1E6	1.166	0.364
Average Ar1016 A					0.233	0.091
7) L2M Ar1260 A	4.611	3.742	4347658	40080197	0.026	0.084 #
8) L2M Ar1260 B	4.784	3.955	4737033	47501007	0.027	0.062 #
9) L2M Ar1260 C	4.915	4.178	5707214	74927809	0.035	0.098 #
10) L2M Ar1260 D	5.126	4.271	6652132	33835095	0.070	0.070
11) L2M Ar1260 E	5.312	4.469	13199134	29144232	0.153	0.067 #
Sum Ar1260 A			34643172	225.5E6	0.311	0.381
Average Ar1260 A					0.062	0.076
12) L3M Ar1254 A	3.925	3.100	28246119	19888922	0.424	0.073 #
13) L3M Ar1254 B	4.061	3.299	4339024	34784905	0.059	0.067
14) L3M Ar1254 C	4.390	3.520	6137593	40270846	0.102	0.129 #
15) L3M Ar1254 D	4.647	3.793	145.6E6	49648227	1.609	0.103 #
16) L3M Ar1254 E	4.784	3.955	4737033	47501007	0.089	0.111 #
Sum Ar1254 A			189.1E6	192.1E6	2.282	0.483
Average Ar1254 A					0.456	0.097

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ND
PCB

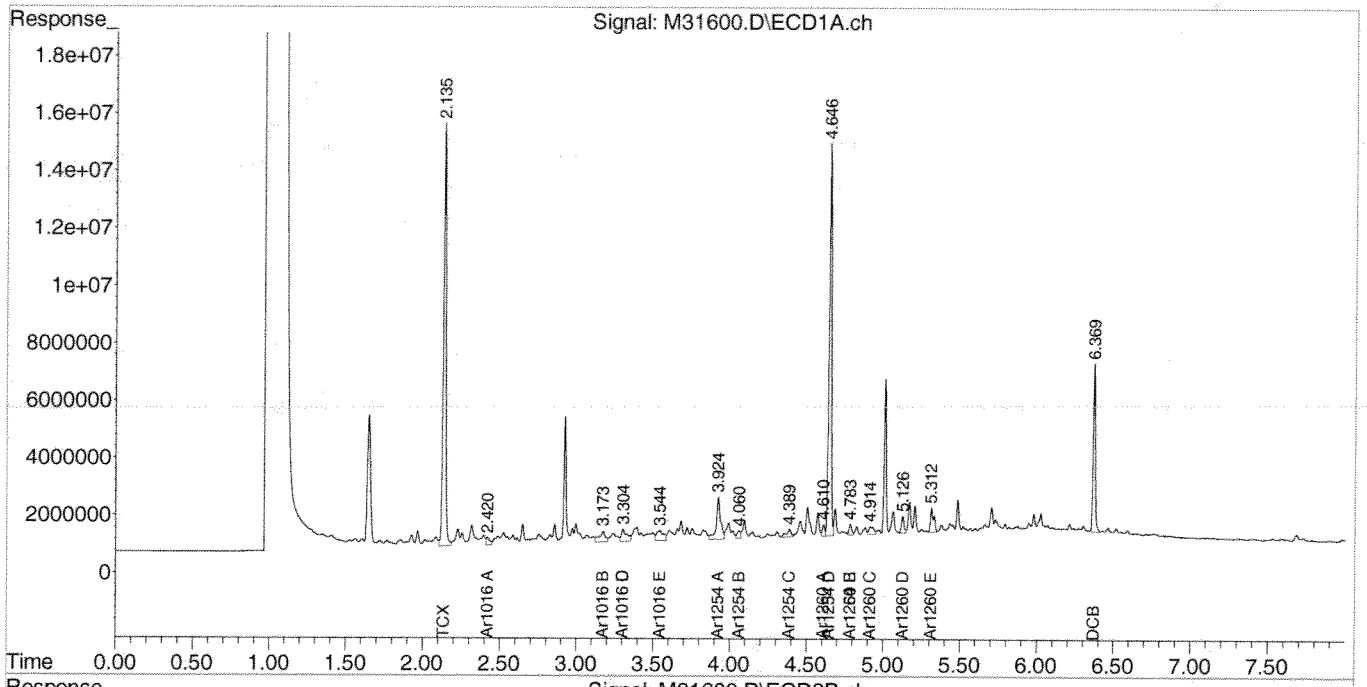
3/01/11

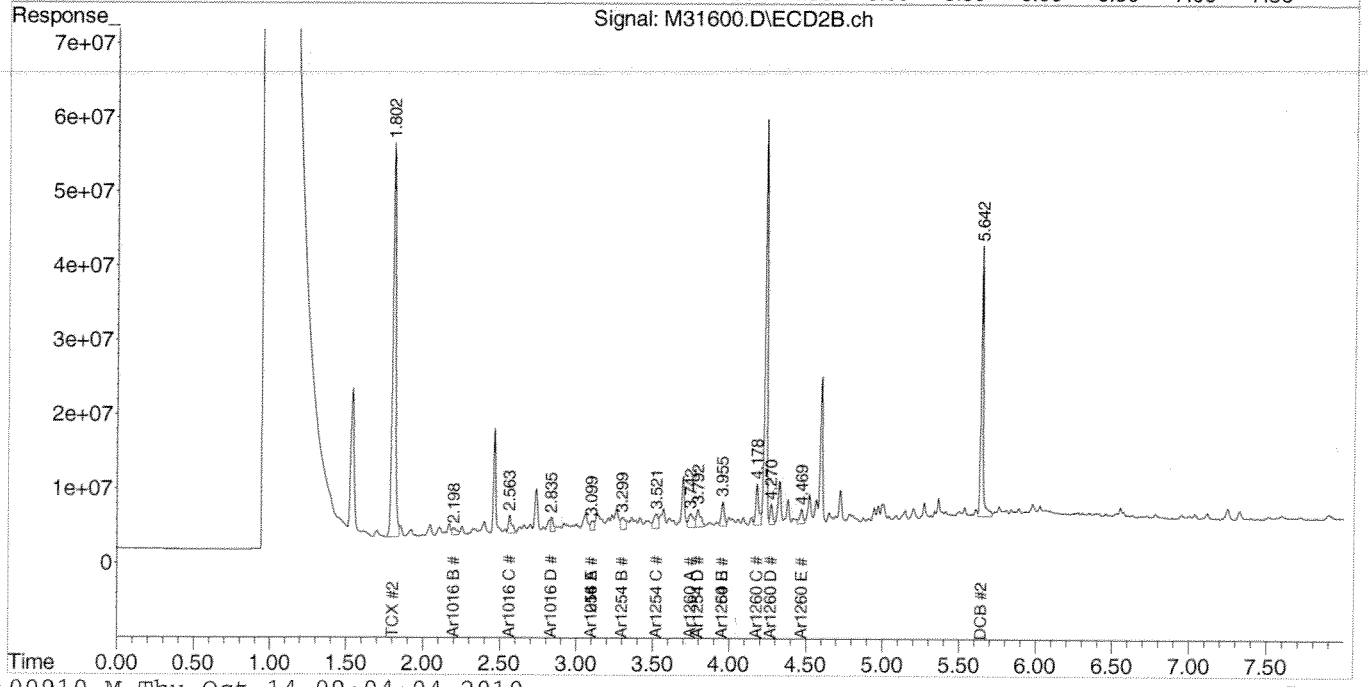
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:59 pm
Operator : JK
Sample : 68000-2
Misc :
ALS Vial : 7 Sample Multiplier: 1

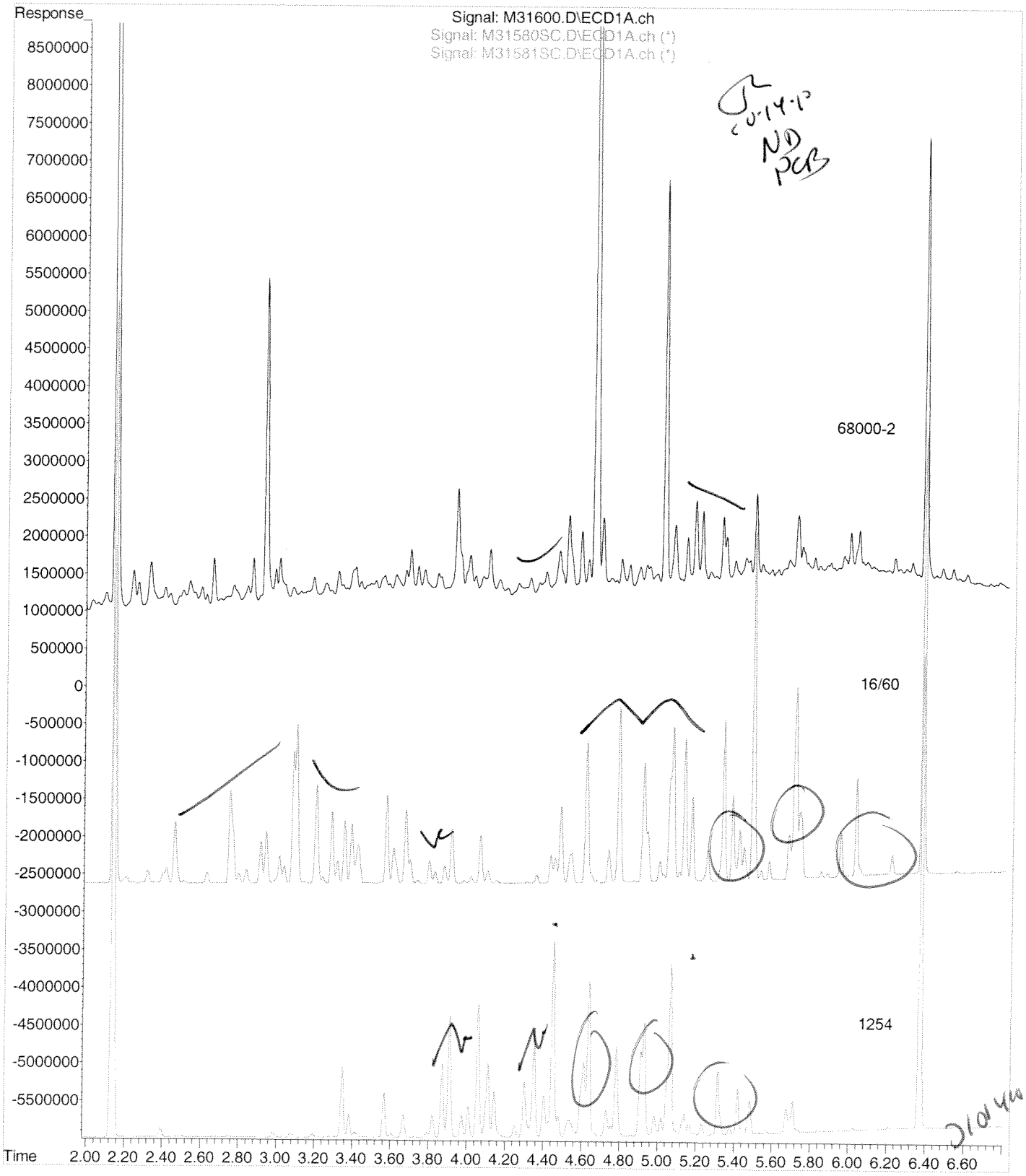
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 09:04:04 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





File :C:\msdchem\1\DATA\101210-M\M31600.D
Operator : JK
Acquired : 12 Oct 2010 3:59 pm using AcqMethod PEST.M
Instrument : Instrument M
Sample Name: 68000-2
Misc Info :
Vial Number: 7



PCB
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:PCBQC.doc

PCB AQUEOUS
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 68000

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B100810PW	94		63		89		67	
L100810PWB	93		46		88		48	
LD100810PWB	90		84		86		63	
L100810PWB2	99		63		94		65	
LD100810PWB2	96		52		92		49	

	Lower Limit	Upper Limit
SMC #1 = TCX	46	122
SMC #2 = DCB	40	135

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB FORM 2

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 68000

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B100810PW	100		67		96		73	
68000-2	94		49		87		52	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB FORM 2

PCB SOIL
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

	Column #1				Column #2			
SAMPLE ID	SMC 1 (%)	#	SMC 2 (%)	#	SMC 1 (%)	#	SMC 2 (%)	#
B101210PSOX2,RR2,,A	106		68		95		74	
L101210PSOX2,RR2,,A/	97		66		91		70	
LD101210PSOX2,RR2,,.	101		67		93		71	
68000-1,1:10,,A/C	85		75		109		121	

	Lower Limit	Upper Limit
SMC #1 = TCX	40	130
SMC #2 = DCB	40	130

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

PCB FORM 2

PCB AQUEOUS
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

SDG:

Non-spiked sample: B100810PW

Spike: L100810PWB

Spike duplicate: LD100810PWB

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	196	98		198	99		1.3	
PCB 1260	200	200	60	130	30	0	180	90		184	92		2.5	
PCB 1016 #2	200	200	65	140	30	0	189	95		181	90		4.8	
PCB 1260 #2	200	200	60	130	30	0	171	86		178	89		4.1	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 5101410

PCB FORM 3

PCB AQUEOUS
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

SDG:

Non-spiked sample: B100810PW

Spike: L100810PWB

Spike duplicate: LD100810PWB

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	196	98		198	99		1.3	
PCB 1260	200	200	60	130	30	0	180	90		184	92		2.5	
PCB 1016 #2	200	200	65	140	30	0	189	95		181	90		4.8	
PCB 1260 #2	200	200	60	130	30	0	171	86		178	89		4.1	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

PCB FORM 3

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31583Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 1:04 pm
Operator : JK
Sample : L100810PWB
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 08:54:37 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

JK 10.14.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.138	1.805	169.9E6	767.6E6	92.797	88.315
Spiked Amount 100.000	Range	46 - 122	Recovery	=	92.80%	88.31%
17) S DCB	6.372	5.644	54125122	347.4E6	45.980	48.331
Spiked Amount 100.000	Range	40 - 135	Recovery	=	45.98%	48.33%
Target Compounds						
2) L1M Ar1016 A	2.457	1.989	12792316	63992839	0.383m	0.336
3) L1M Ar1016 B	3.200	2.193	20955642	113.1E6	0.387m	0.348
4) L1M Ar1016 C	3.282	2.570	13811734	114.8E6	0.400m	0.407
5) L1M Ar1016 D	3.349	2.845	12458667	104.1E6	0.415	0.359
6) L1M Ar1016 E	3.569	3.114	16415283	51394865	0.374m	0.443
Sum Ar1016 A			76433643	447.3E6	1.958	1.894
Average Ar1016 A					0.392	0.379
7) L2M Ar1260 A	4.614	3.742	31558190	154.2E6	0.389	0.363
8) L2M Ar1260 B	4.784	3.957	34509929	236.6E6	0.362	0.359
9) L2M Ar1260 C	4.915	4.180	33837536	256.4E6	0.371	0.362
10) L2M Ar1260 D	5.128	4.270	24564494	146.7E6	0.344	0.327
11) L2M Ar1260 E	5.332	4.470	26552990	125.3E6	0.332	0.301
Sum Ar1260 A			151.0E6	919.2E6	1.798	1.712
Average Ar1260 A					0.360	0.342
12) L3M Ar1254 A	3.911	3.114	14973996	51394865	0.225	0.190
13) L3M Ar1254 B	4.061	3.301	14714995	61624533	0.199	0.118 #
14) L3M Ar1254 C	4.353	3.506	2344771	39289349	0.039	0.126 #
15) L3M Ar1254 D	4.614	3.818	31558190	18065413	0.349	0.037 #
16) L3M Ar1254 E	4.784	3.957	34509929	236.6E6	0.645	0.554
Sum Ar1254 A			98101880	407.0E6	1.457	1.025
Average Ar1254 A					0.291	0.205

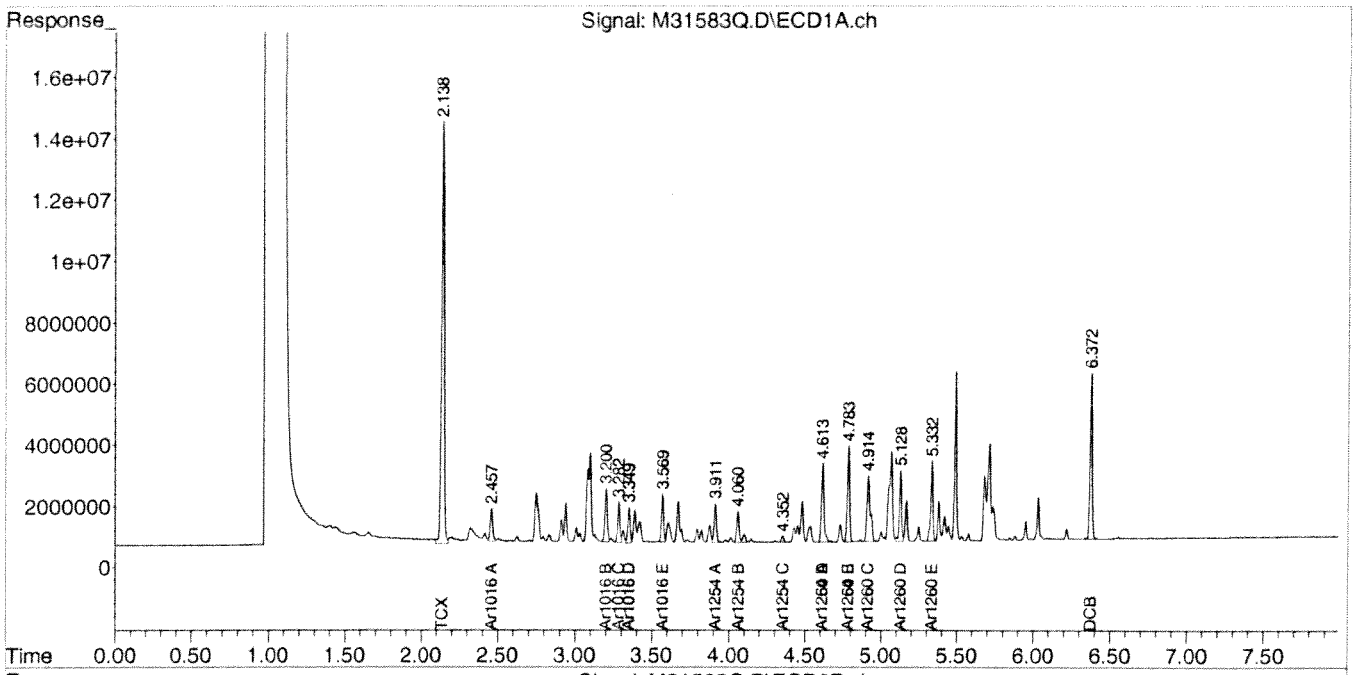
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

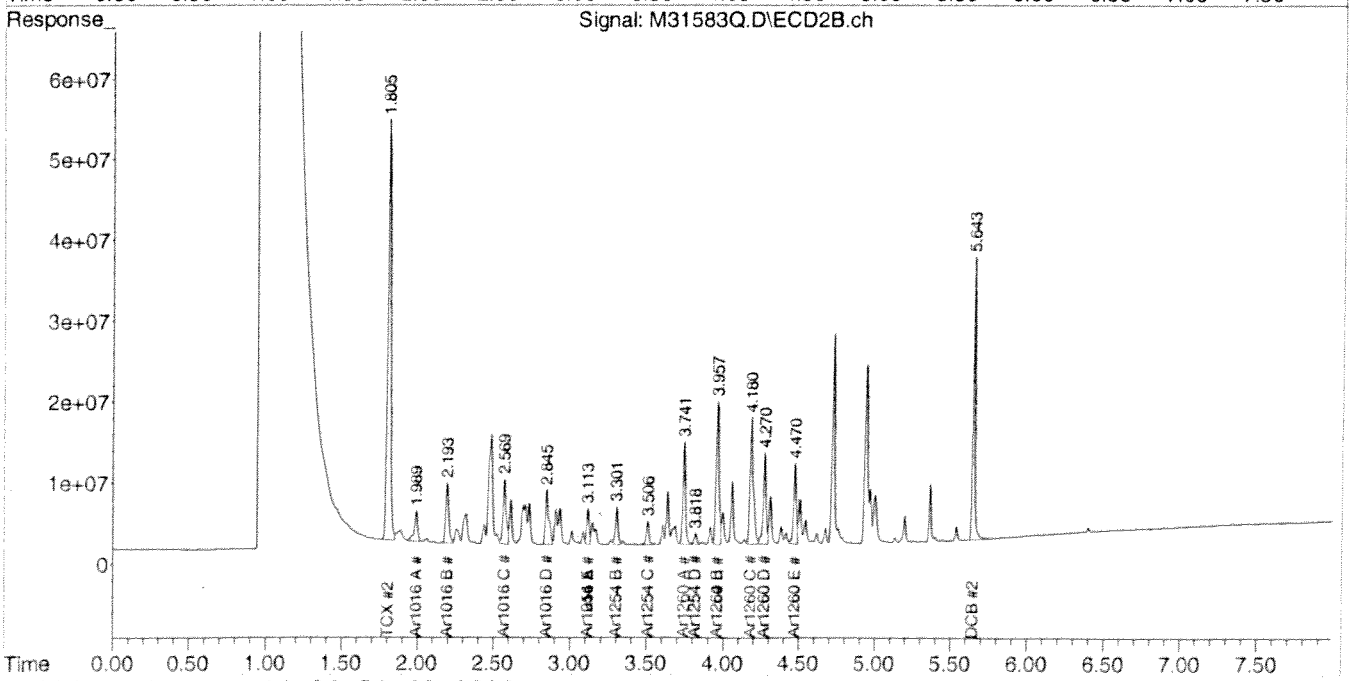
5/01/10

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31583Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 1:04 pm
Operator : JK
Sample : L100810PWB
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 08:54:37 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





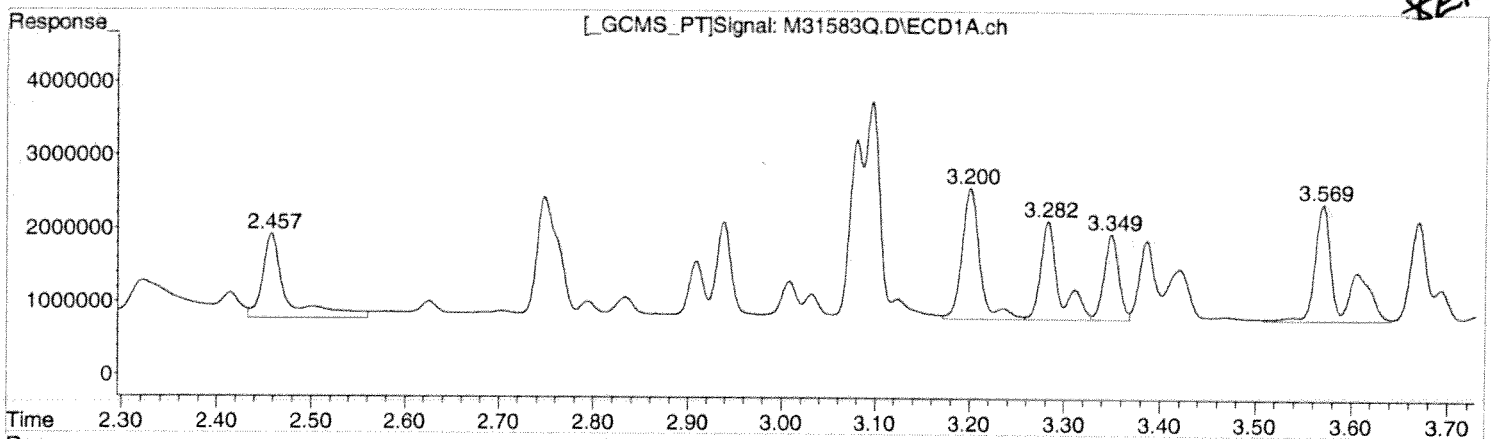
Quantitation Report (Qedit)

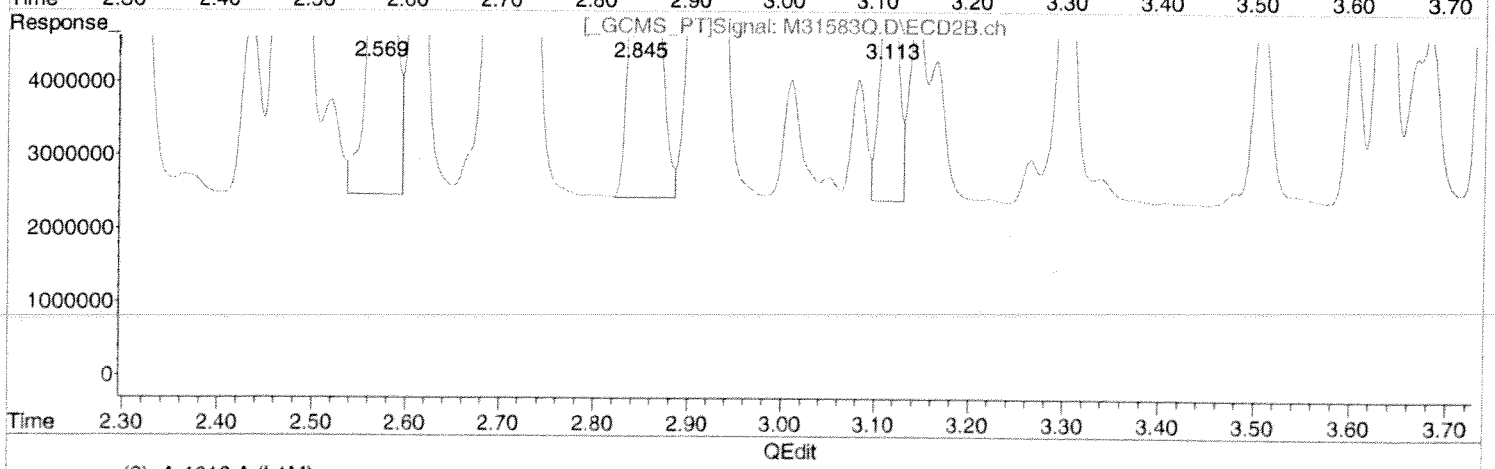
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31583Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 1:04 pm
Operator : JK
Sample : L100810PWB
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 08:51:31 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-14-10 *EB





(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.46	20141337	0.63
3.20	23913843	0.45
3.28	18365620	0.54
3.35	12458667	0.41
3.57	28484322	0.67

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	63992839	0.34
2.19	113069698	0.35
2.57	114776318	0.41
2.85	104050466	0.36
3.11	51394865	0.44

3 101410

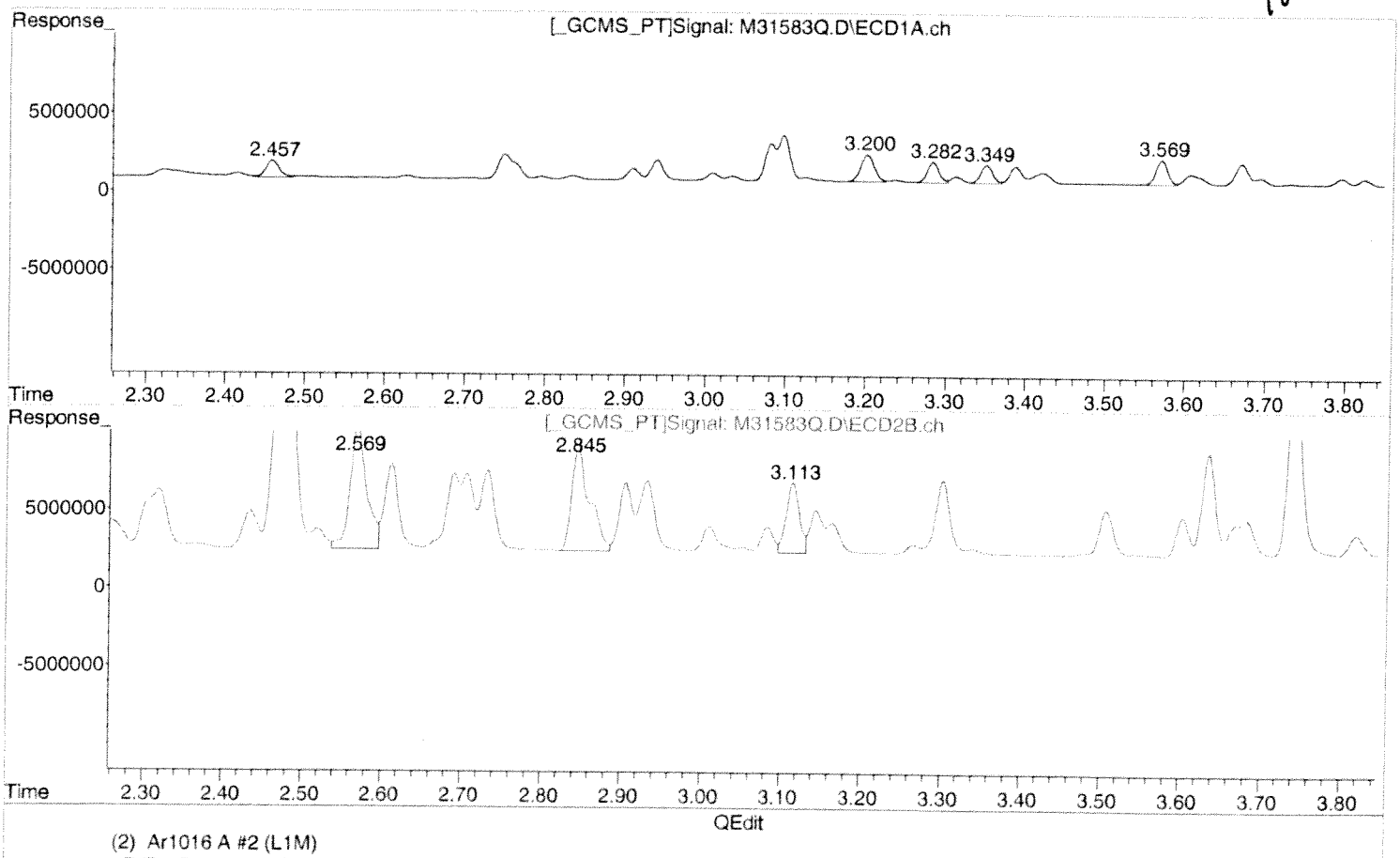
(+) = Expected Retention Time
PCB100910.M Thu Oct 14 08:54:10 2010

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31583Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 1:04 pm
Operator : JK
Sample : L100810PWB
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 08:51:31 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-14-1



(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.46	12792316	0.38
3.20	20955642	0.39
3.28	13811734	0.40
3.35	12458667	0.41
3.57	16415283	0.37

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	63992839	0.34
2.19	113069698	0.35
2.57	114776318	0.41
2.85	104050466	0.36
3.11	51394865	0.44

3101410

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31584Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 1:14 pm
Operator : JK
Sample : LD100810PWB
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 08:51:33 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10-14-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.137	1.805	164.8E6	749.9E6	90.033	86.280
Spiked Amount	100.000 Range	46 - 122	Recovery	=	90.03%	86.28%
17) S DCB	6.371	5.643	98367500	452.3E6	83.564	62.937
Spiked Amount	100.000 Range	40 - 135	Recovery	=	83.56%	62.94%
Target Compounds						
2) L1M Ar1016 A	2.457	1.989	14106812	60241027	0.428	0.313 #
3) L1M Ar1016 B	3.199	2.193	21080030	108.5E6	0.389	0.333
4) L1M Ar1016 C	3.281	2.569	13367678	110.0E6	0.386	0.390
5) L1M Ar1016 D	3.348	2.845	11857242	99813493	0.392	0.344
6) L1M Ar1016 E	3.568	3.113	17022410	49437567	0.389	0.426
Sum Ar1016 A			77434172	428.0E6	1.984	1.806
Average Ar1016 A					0.397	0.361
7) L2M Ar1260 A	4.613	3.742	30786093	153.0E6	0.378	0.360
8) L2M Ar1260 B	4.783	3.957	34926939	238.3E6	0.367	0.361
9) L2M Ar1260 C	4.913	4.180	34231271	261.0E6	0.375	0.369
10) L2M Ar1260 D	5.127	4.270	25627599	160.0E6	0.360	0.358
11) L2M Ar1260 E	5.331	4.470	28767476	139.9E6	0.362	0.337
Sum Ar1260 A			154.3E6	952.2E6	1.843	1.784
Average Ar1260 A					0.369	0.357
12) L3M Ar1254 A	3.910	3.113	14293196	49437567	0.214	0.182
13) L3M Ar1254 B	4.059	3.301	10769477	59392291	0.146	0.114
14) L3M Ar1254 C	4.353	3.506	2199347	36163021	0.037	0.116 #
15) L3M Ar1254 D	4.613	3.818	30786093	17839035	0.340	0.037 #
16) L3M Ar1254 E	4.783	3.957	34926939	238.3E6	0.653	0.558
Sum Ar1254 A			92975052	401.1E6	1.390	1.007
Average Ar1254 A					0.278	0.201

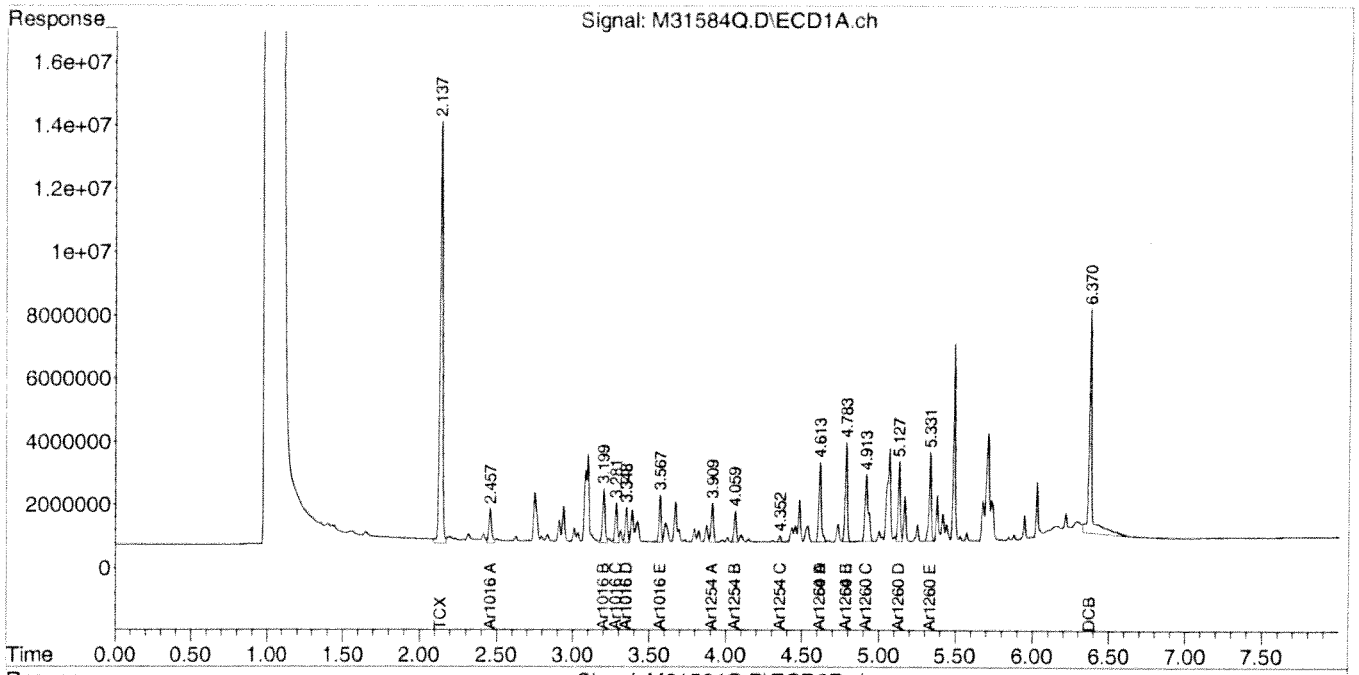
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

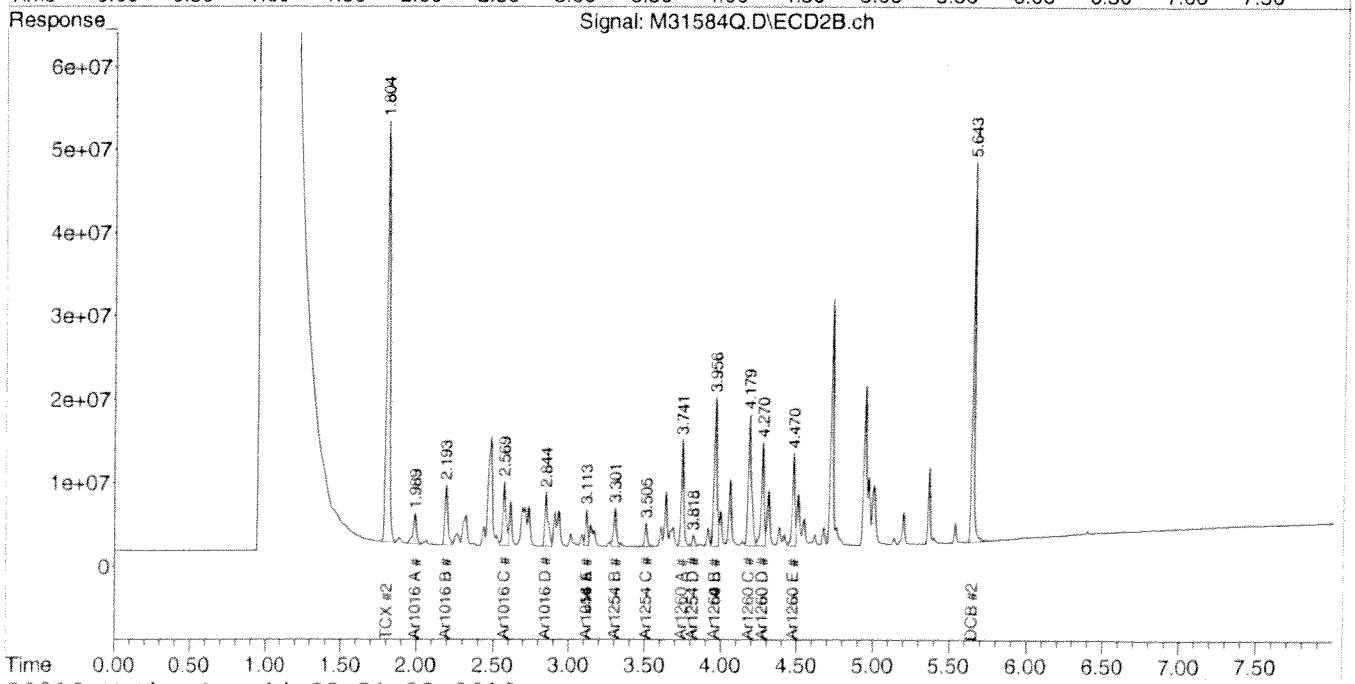
J 101410

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31584Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 1:14 pm
Operator : JK
Sample : LD100810PWB
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 08:51:33 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB AQUEOUS
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

SDG:

Non-spiked sample: B100810PW

Spike: L100810PWB2

Spike duplicate: LD100810PWB2

JL 10.14.10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1254	200	200	60	130	30	0	215	108		191	96		11.9	
PCB 1254 #2	200	200	60	130	30	0	192	96		192	96		0.2	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 5101410

PCB FORM 3

PCB AQUEOUS
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

SDG:

Non-spiked sample: B100810PW

Spike: L100810PWB2

Spike duplicate: LD100810PWB2

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1254	200	200	60	130	30	0	215	108		191	96		11.9	
PCB 1254 #2	200	200	60	130	30	0	192	96		192	96		0.2	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

PCB FORM 3

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31585Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 1:25 pm
Operator : JK
Sample : L100810PWB2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 08:51:35 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

JK 10-14-1

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.137	1.804	182.0E6	819.7E6	99.425	94.308
Spiked Amount	100.000 Range	46 - 122	Recovery	=	99.42%	94.31%
17) S DCB	6.370	5.643	74336798	466.2E6	63.150	64.867
Spiked Amount	100.000 Range	40 - 135	Recovery	=	63.15%	64.87%
Target Compounds						
2) L1M Ar1016 A	2.457	2.013	2508900	2209077	0.033	N.D. #
3) L1M Ar1016 B	3.193	2.192	1935814	1566171	0.006	N.D. #
4) L1M Ar1016 C	3.283	2.563	1493221	18952633	0.016	0.055 #
5) L1M Ar1016 D	3.348	2.844	14266230	38881448	0.481	0.125 #
6) L1M Ar1016 E	3.568	3.113	10117864	109.7E6	0.217	0.971 #
Sum Ar1016 A			30322029	167.6E6	0.752	1.096
Average Ar1016 A					0.150	0.365
7) L2M Ar1260 A	4.638	3.741	54495937	86892171	0.694	0.199 #
8) L2M Ar1260 B	4.783	3.959	19956888	166.1E6	0.198	0.248 #
9) L2M Ar1260 C	4.924	4.180	37558949	241.9E6	0.415	0.341
10) L2M Ar1260 D	5.140	4.248	7860325	33822761	0.088	0.070
11) L2M Ar1260 E	5.316	4.470	13246123	9268948	0.154	0.018 #
Sum Ar1260 A			133.1E6	538.0E6	1.550	0.875
Average Ar1260 A					0.310	0.175
12) L3M Ar1254 A	3.910	3.113	25940977	109.7E6	0.389	0.405
13) L3M Ar1254 B	4.060	3.300	29393805	198.7E6	0.398	0.382
14) L3M Ar1254 C	4.352	3.510	23495277	122.6E6	0.390	0.393
15) L3M Ar1254 D	4.638	3.815	54495937	170.2E6	0.602	0.352 #
16) L3M Ar1254 E	4.783	3.959	19956888	166.1E6	0.373	0.389
Sum Ar1254 A			153.3E6	767.4E6	2.153	1.921
Average Ar1254 A					0.431	0.384

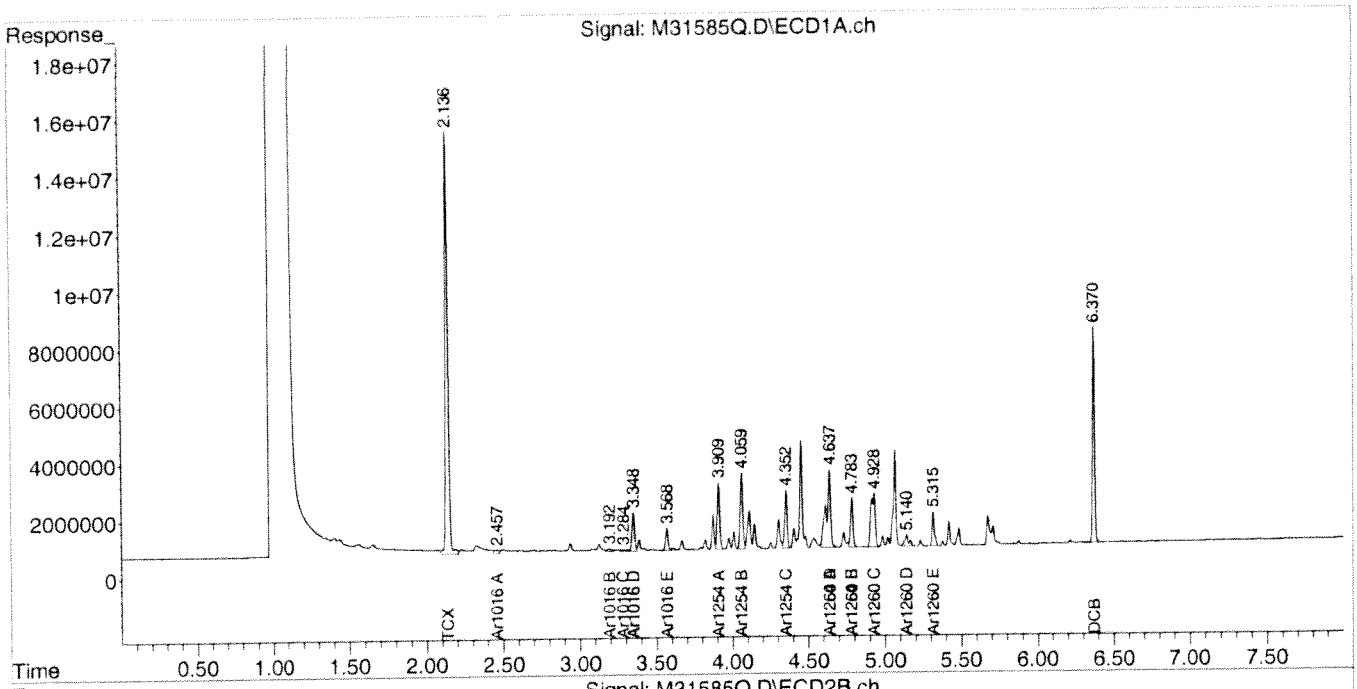
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

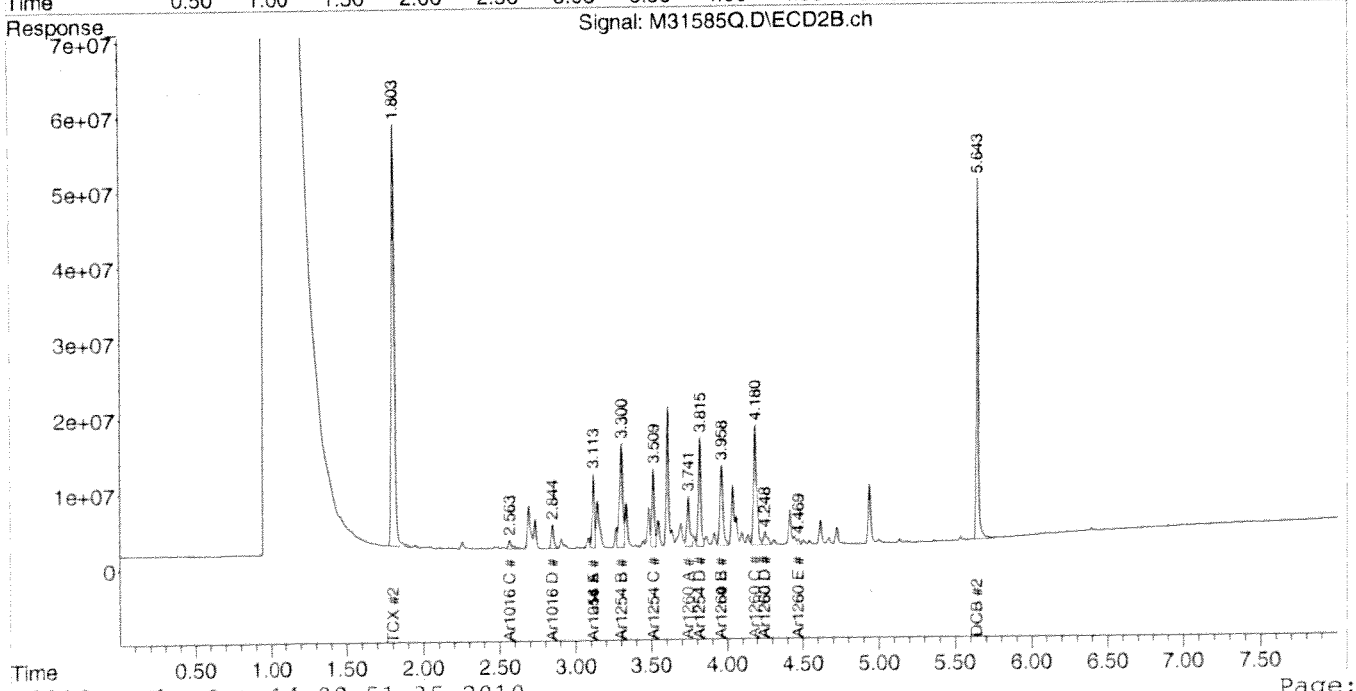
3101410

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31585Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 1:25 pm
Operator : JK
Sample : L100810PWB2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 08:51:35 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31586Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 1:35 pm
Operator : JK
Sample : LD100810PWB2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 08:51:37 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

JK 10-14-1

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.137	1.804	175.1E6	800.2E6	95.650	92.064
Spiked Amount	100.000	Range	46 - 122	Recovery	= 95.65%	92.06%
17) S DCB	6.370	5.644	60940825	352.9E6	51.770	49.109
Spiked Amount	100.000	Range	40 - 135	Recovery	= 51.77%	49.11%
Target Compounds						
2) L1M Ar1016 A	2.458	2.015	2737650	1930351	0.040	N.D. #
3) L1M Ar1016 B	3.193	2.193	1732382	1513128	0.002	N.D. #
4) L1M Ar1016 C	3.282	2.563	849884	14182020	N.D.	0.037 #
5) L1M Ar1016 D	3.349	2.844	14306298	38960791	0.483	0.125 #
6) L1M Ar1016 E	3.568	3.113	8682584	110.0E6	0.181	0.973 #
Sum Ar1016 A			27458914	163.1E6	0.702	1.079
Average Ar1016 A					0.175	0.360
7) L2M Ar1260 A	4.612	3.742	22917774	87478878	0.273	0.200 #
8) L2M Ar1260 B	4.783	3.959	20175217	165.4E6	0.201	0.247
9) L2M Ar1260 C	4.928	4.181	37685208	241.7E6	0.416	0.341
10) L2M Ar1260 D	5.141	4.249	5579883	33515951	0.053	0.069 #
11) L2M Ar1260 E	5.315	4.471	13274283	5909023	0.154	0.010 #
Sum Ar1260 A			99632366	534.1E6	1.098	0.867
Average Ar1260 A					0.220	0.173
12) L3M Ar1254 A	3.909	3.113	26003575	110.0E6	0.390	0.406
13) L3M Ar1254 B	4.060	3.301	29541942	199.2E6	0.400	0.383
14) L3M Ar1254 C	4.353	3.510	23540366	122.4E6	0.391	0.393
15) L3M Ar1254 D	4.638	3.815	31842271	169.0E6	0.352	0.349
16) L3M Ar1254 E	4.783	3.959	20175217	165.4E6	0.377	0.387
Sum Ar1254 A			131.1E6	766.0E6	1.910	1.918
Average Ar1254 A					0.382	0.384

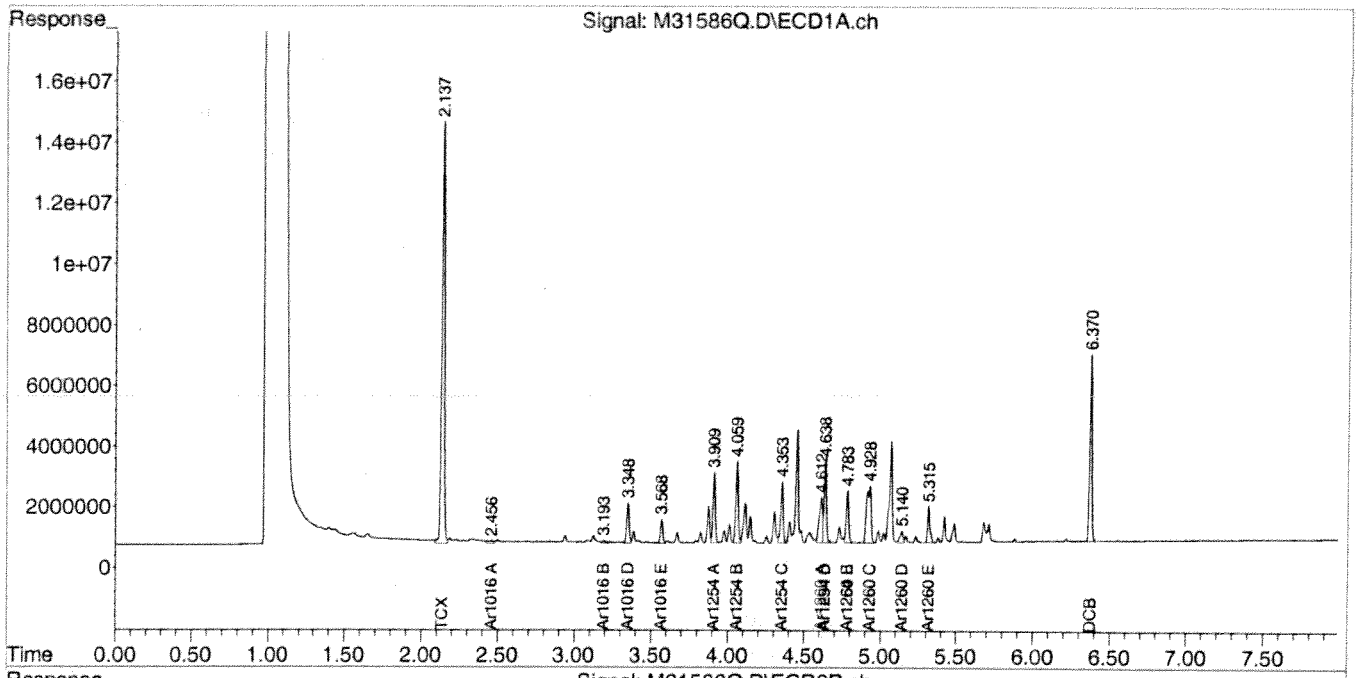
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

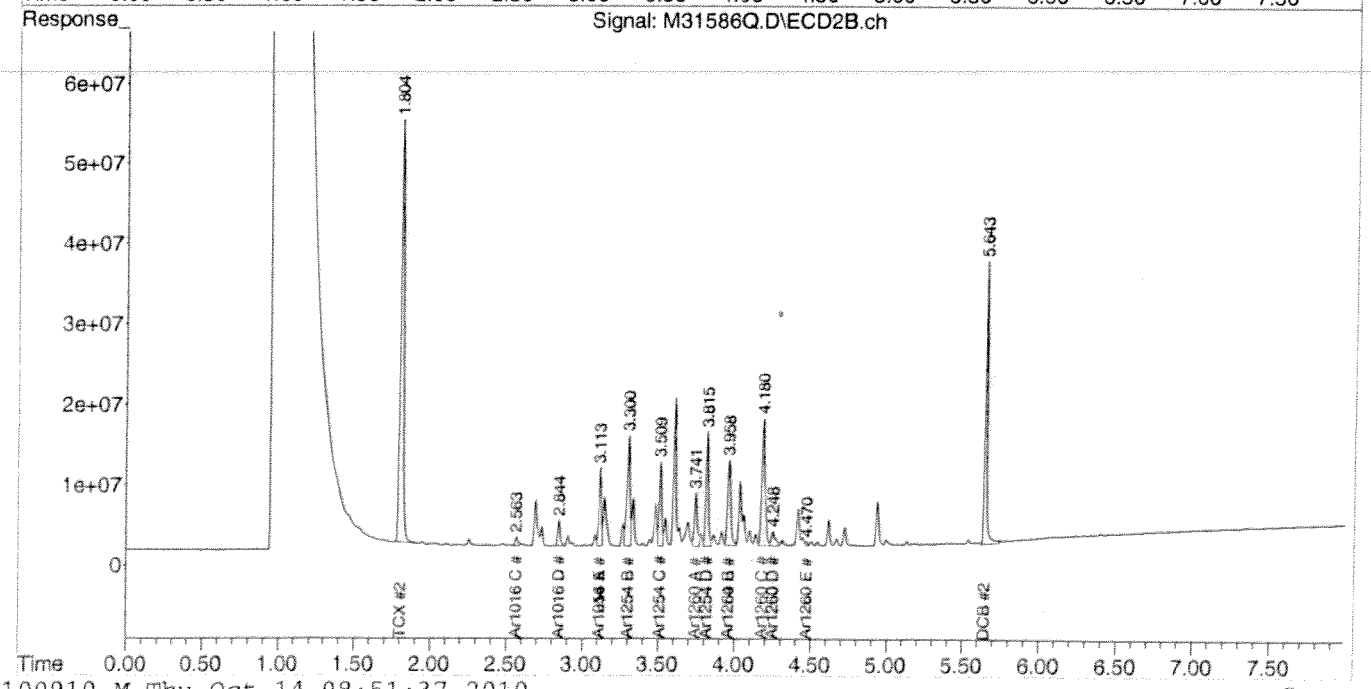
3101410

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31586Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 1:35 pm
Operator : JK
Sample : LD100810PWB2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 08:51:37 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:50:46 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

SDG:

Non-spiked sample: B101210PSOX2,RR2,,A/C

Spike: L101210PSOX2,RR2,,A/C

Spike duplicate: LD101210PSOX2,RR2,,A/

JL 10-13-10

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	239	120		251	126		4.8	
PCB 1260	200	200	60	130	30	0	199	100		222	111		11.0	
PCB 1016 #2	200	200	65	140	30	0	233	117		257	129		9.8	
PCB 1260 #2	200	200	60	130	30	0	207	104		218	109		5.0	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: 3101800

PCB FORM 3

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31814Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:41 pm
Operator : JK
Sample : L101210PSOX2,RR2,,A/C
Misc : SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 12:51:34 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.19.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.128	1.794	177.4E6	792.9E6	96.929	91.227
Spiked Amount	100.000 Range	40 - 130	Recovery	=	96.93%	91.23%
17) S DCB	6.366	5.642	77391632	503.8E6	65.745	70.099
Spiked Amount	100.000 Range	40 - 130	Recovery	=	65.75%	70.10%
Target Compounds						
2) L1M Ar1016 A	2.448	1.991	16237214	105.5E6	0.501m	0.584m
3) L1M Ar1016 B	3.192	2.184	24271359	114.8E6	0.453m	0.354m
4) L1M Ar1016 C	3.275	2.561	16522805	224.3E6	0.484	~~0.810m~~# INT
5) L1M Ar1016 D	3.342	2.838	14344431	111.7E6	0.484	0.387m
6) L1M Ar1016 E	3.562	3.109	20349736	62164996	0.471	0.541m
Sum Ar1016 A			91725544	618.4E6	2.394	~~2.676~~ 1.866
Average Ar1016 A					0.479	~~0.535~~ 0.466
7) L2M Ar1260 A	4.607	3.738	22758575	196.3E6	0.271	0.466 #
8) L2M Ar1260 B	4.778	3.954	37631418	266.0E6	0.397	0.405
9) L2M Ar1260 C	4.909	4.178	38429270	235.1E6	0.425	0.331
10) L2M Ar1260 D	5.123	4.268	35525816	205.1E6	0.512	0.461
11) L2M Ar1260 E	5.327	4.468	30507258	170.9E6	0.385	0.412
Sum Ar1260 A			164.9E6	1073.4E6	1.991	2.075
Average Ar1260 A					0.398	0.415
12) L3M Ar1254 A	3.904	3.109	24548161	83132176	0.368	0.307
13) L3M Ar1254 B	4.054	3.296	16451703	82000686	0.223	0.158 #
14) L3M Ar1254 C	4.347	3.502	3574090	78739563	0.059	0.252 #
15) L3M Ar1254 D	4.663	3.815	764486	41822205	0.008	0.086 #
16) L3M Ar1254 E	4.778	3.954	37631418	266.0E6	0.703	0.623
Sum Ar1254 A			82969859	551.7E6	1.362	1.426
Average Ar1254 A					0.272	0.285

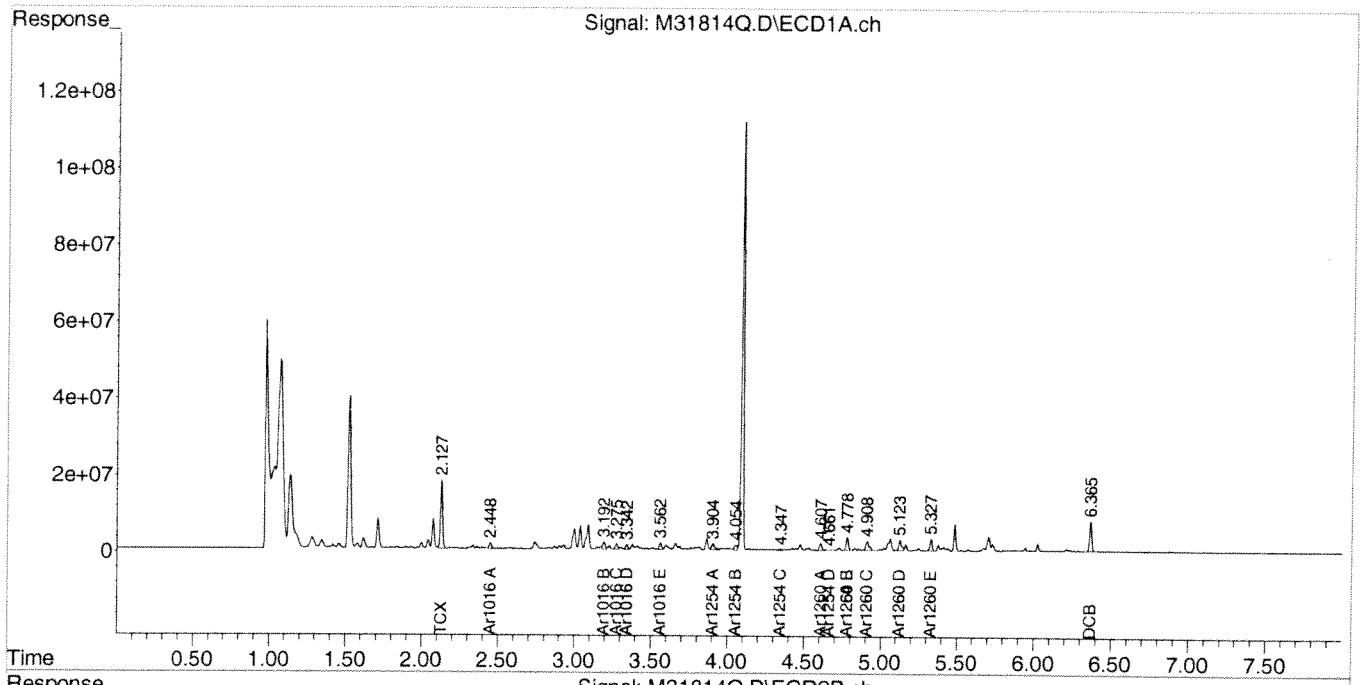
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

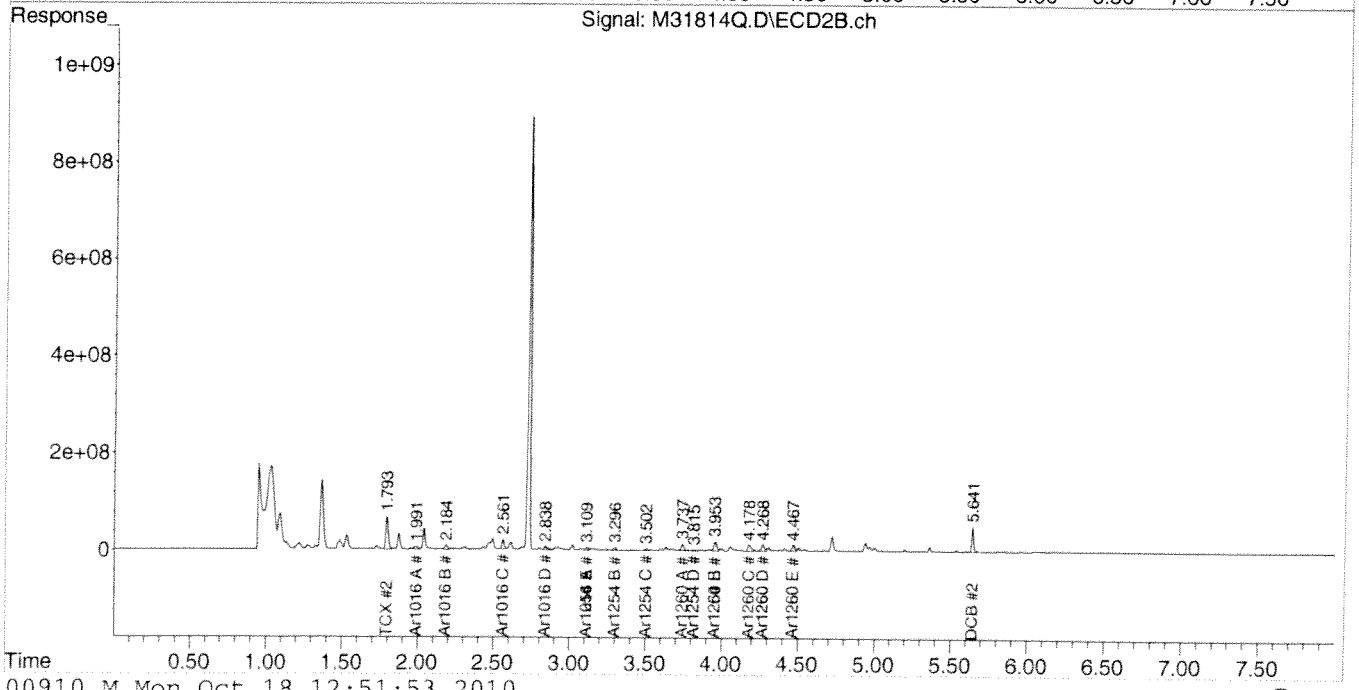
3101810

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31814Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:41 pm
Operator : JK
Sample : L101210PSOX2,RR2,,A/C
Misc : SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 12:51:34 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



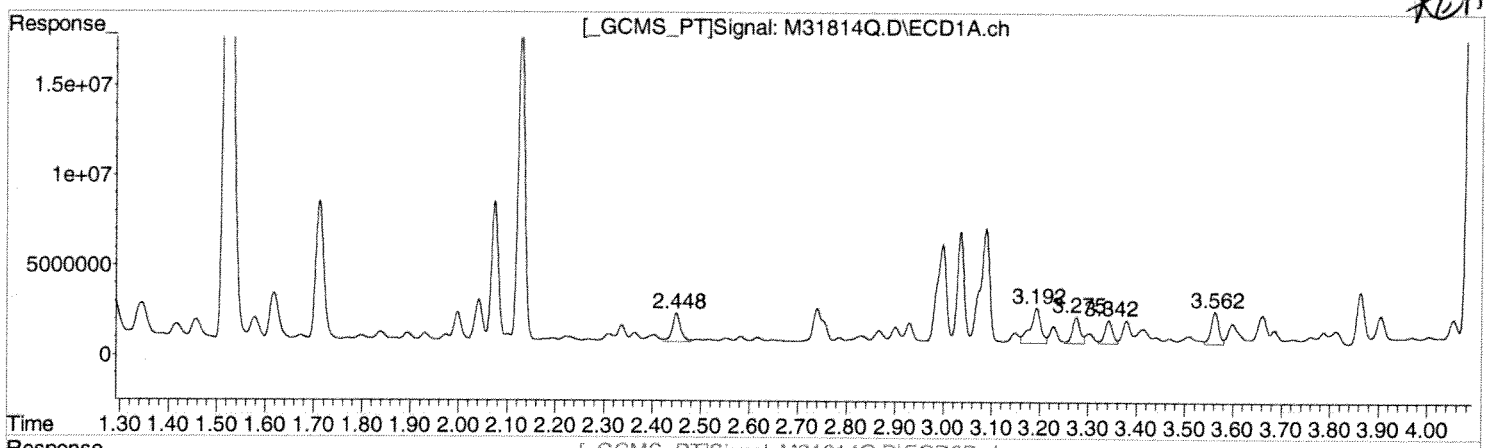


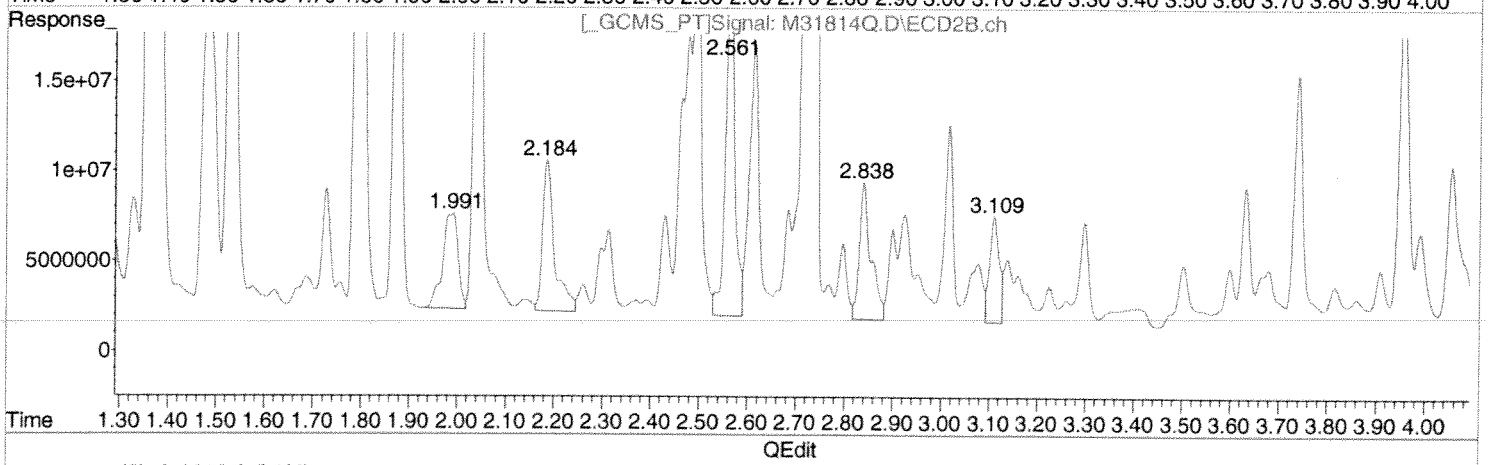
Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31814Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:41 pm
Operator : JK
Sample : L101210PSOX2,RR2,,A/C
Misc : SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 12:50:24 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10-18-10 KCA





QEdit

(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.45	19515707	0.61
3.19	30502383	0.58
3.27	16522805	0.48
3.34	14344431	0.48
3.56	20349736	0.47

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	116566316	0.65
2.19	143180969	0.45
2.56	262908165	0.95
2.84	123819258	0.43
3.11	83132176	0.73

10/18/10

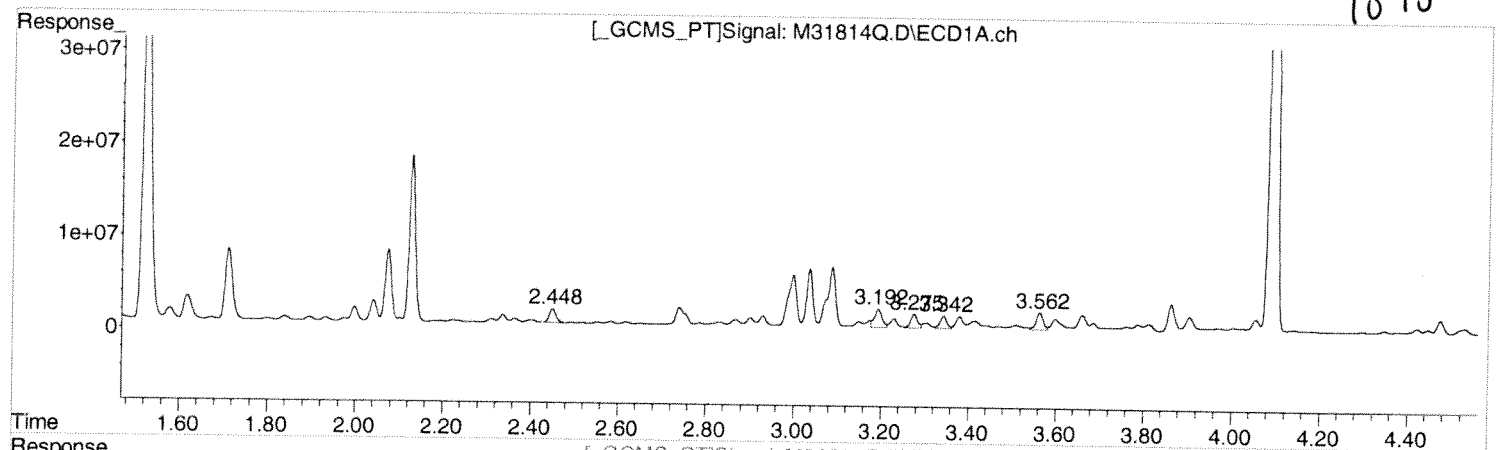
(+) = Expected Retention Time
PCB100910.M Mon Oct 18 12:50:35 2010

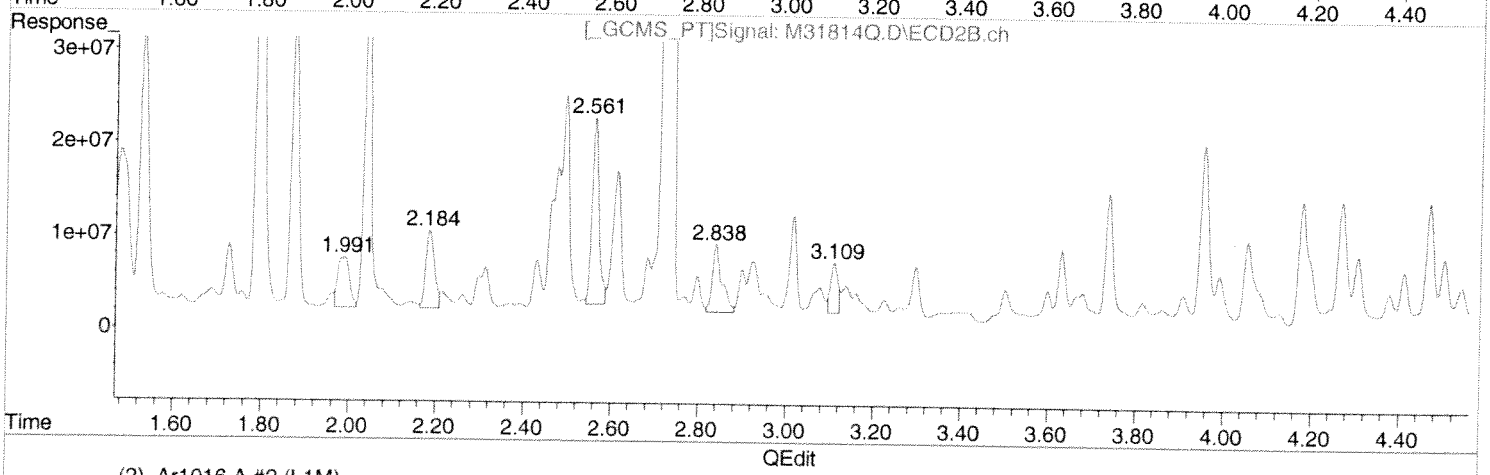
Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31814Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:41 pm
Operator : JK
Sample : L101210PSOX2,RR2,,A/C
Misc : SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 12:50:24 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10-18-10





(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.45	16237214	0.50
3.19	24271359	0.45
3.27	16522805	0.48
3.34	14344431	0.48
3.56	20349736	0.47

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	105451226	0.58
2.18	114764229	0.35
2.56	224272629	0.81
2.84	111727147	0.39
3.11	62164996	0.54

101810

(+) = Expected Retention Time
PCB100910.M Mon Oct 18 12:51:39 2010

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31815Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:51 pm
Operator : JK
Sample : LD101210PSOX2,RR2,,A/C
Misc : SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:05:05 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

QL 10-19-10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.128	1.795	184.8E6	811.3E6	100.941	93.339
Spiked Amount	100.000 Range	40 - 130	Recovery	=	100.94%	93.34%
17) S DCB	6.366	5.641	78587114	511.7E6	66.760m	71.201m
Spiked Amount	100.000 Range	40 - 130	Recovery	=	66.76%	71.20%
Target Compounds						
2) L1M Ar1016 A	2.449	1.992	20353085	126.2E6	0.641m	0.709m
3) L1M Ar1016 B	3.192	2.185	20752380	118.5E6	0.382m	0.366m
4) L1M Ar1016 C	3.274	2.561	16077493	444.9E6	0.470m	~~1.622 #~~ INT
5) L1M Ar1016 D	3.342	2.839	15211663	96833124	0.516	0.333m#
6) L1M Ar1016 E	3.562	3.110	21554769	74225008	0.501	0.650m#
Sum Ar1016 A			93949390	860.7E6	2.512	~~3.680~~ 2.058
Average Ar1016 A					0.502	~~0.736~~ 0.514
7) L2M Ar1260 A	4.607	3.738	23154182	207.0E6	0.277	0.492 #
8) L2M Ar1260 B	4.778	3.954	39274272	272.0E6	0.416	0.414
9) L2M Ar1260 C	4.909	4.178	41886340	232.2E6	0.467	0.327 #
10) L2M Ar1260 D	5.123	4.269	44929445	230.6E6	0.656	0.519
11) L2M Ar1260 E	5.327	4.468	32241838	177.3E6	0.408	0.428
Sum Ar1260 A			181.5E6	1119.2E6	2.224	2.180
Average Ar1260 A					0.445	0.436
12) L3M Ar1254 A	3.904	3.110	25273932	87355456	0.379	0.322
13) L3M Ar1254 B	4.054	3.297	16677960	82532197	0.226	0.159 #
14) L3M Ar1254 C	4.347	3.502	4234723	84856461	0.070	0.272 #
15) L3M Ar1254 D	4.662	3.815	1161873	43173506	0.013	0.089 #
16) L3M Ar1254 E	4.778	3.954	39274272	272.0E6	0.734	0.637
Sum Ar1254 A			86622760	569.9E6	1.422	1.479
Average Ar1254 A					0.284	0.296

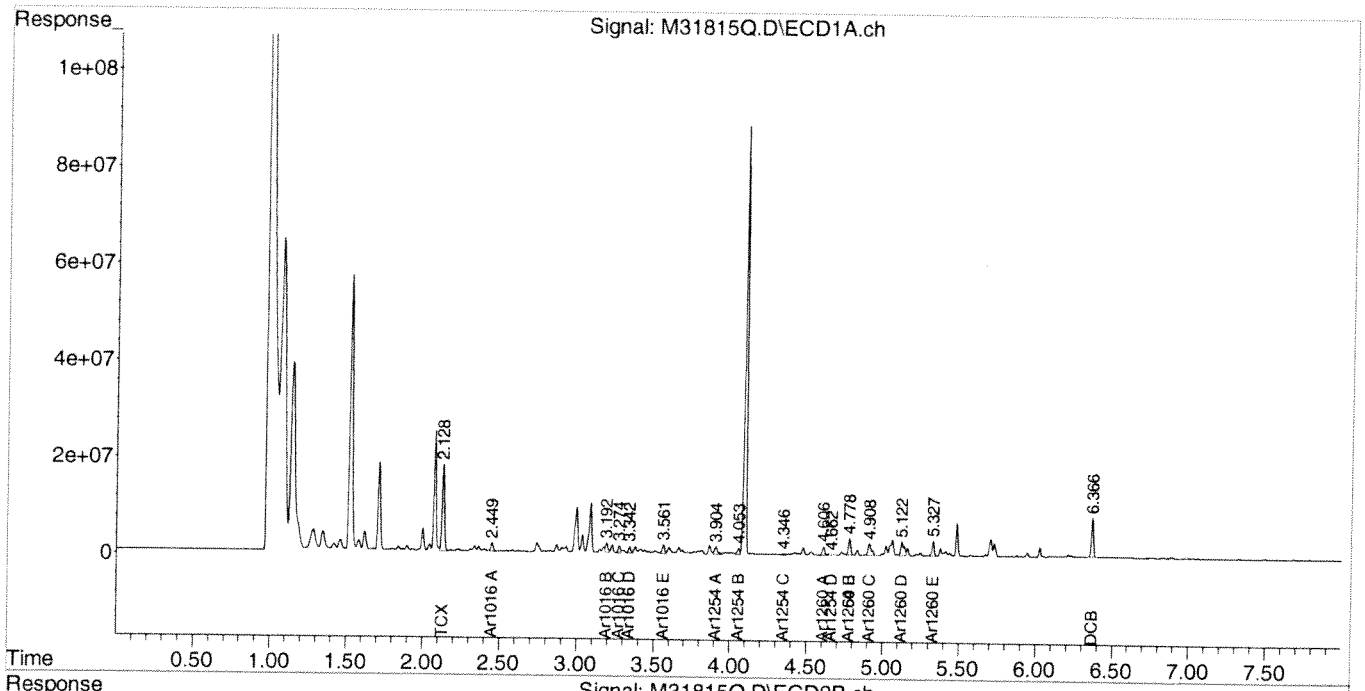
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

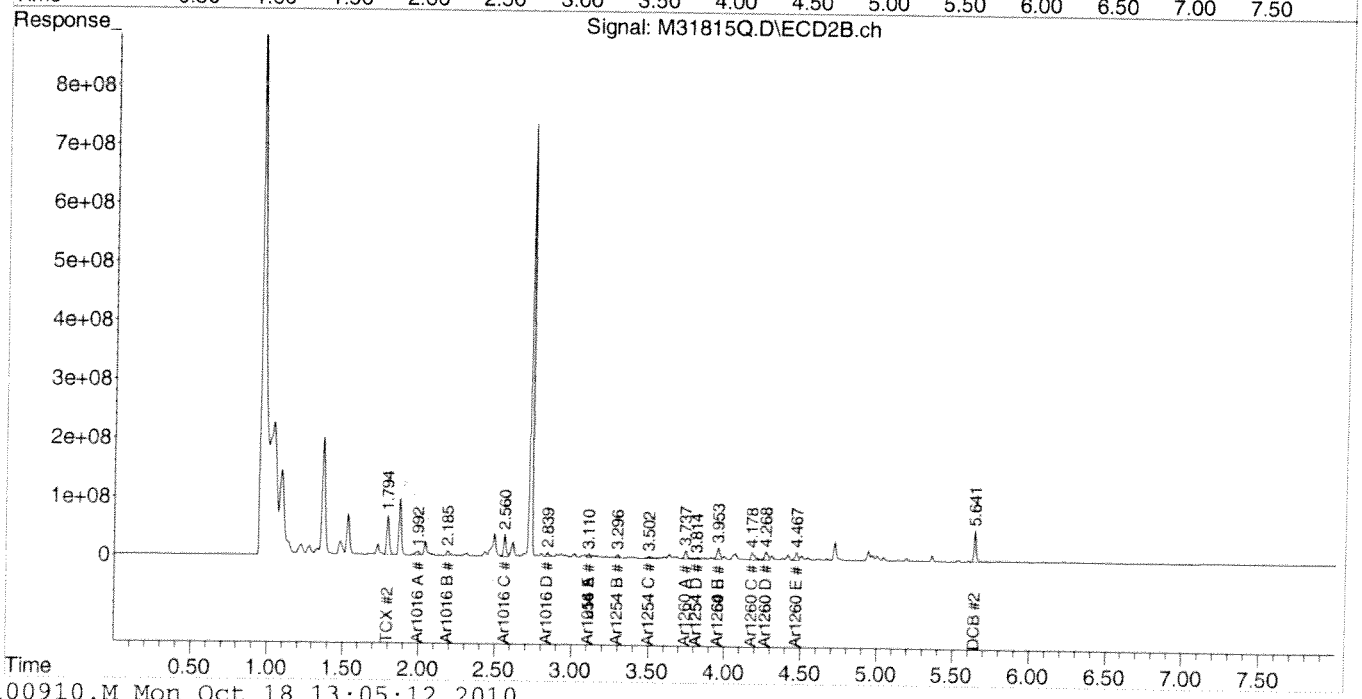
10/18/10

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31815Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:51 pm
Operator : JK
Sample : LD101210PSOX2,RR2,,A/C
Misc : SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:05:05 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



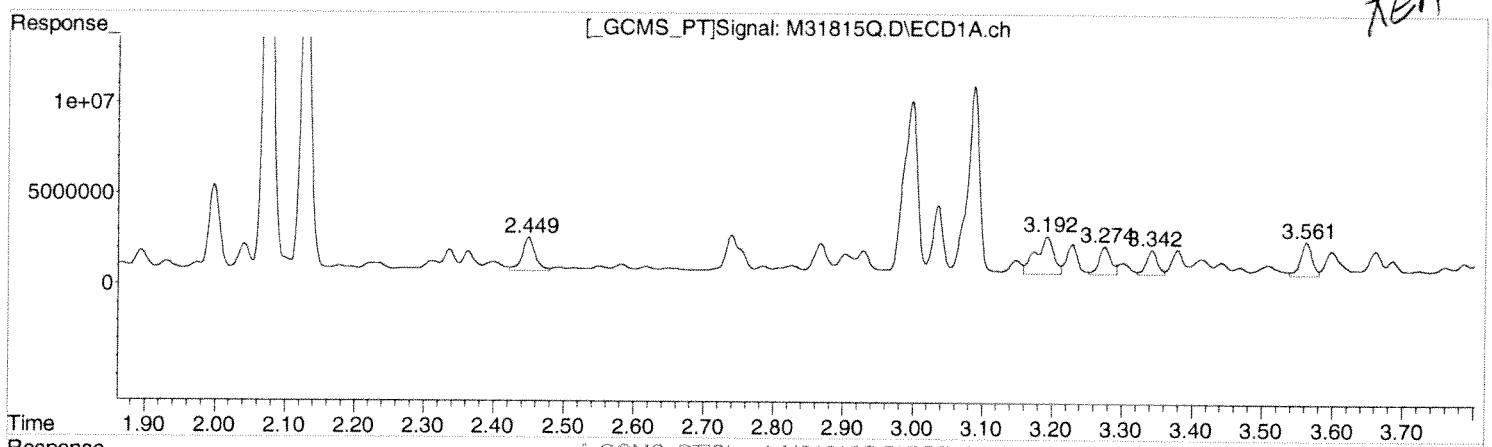


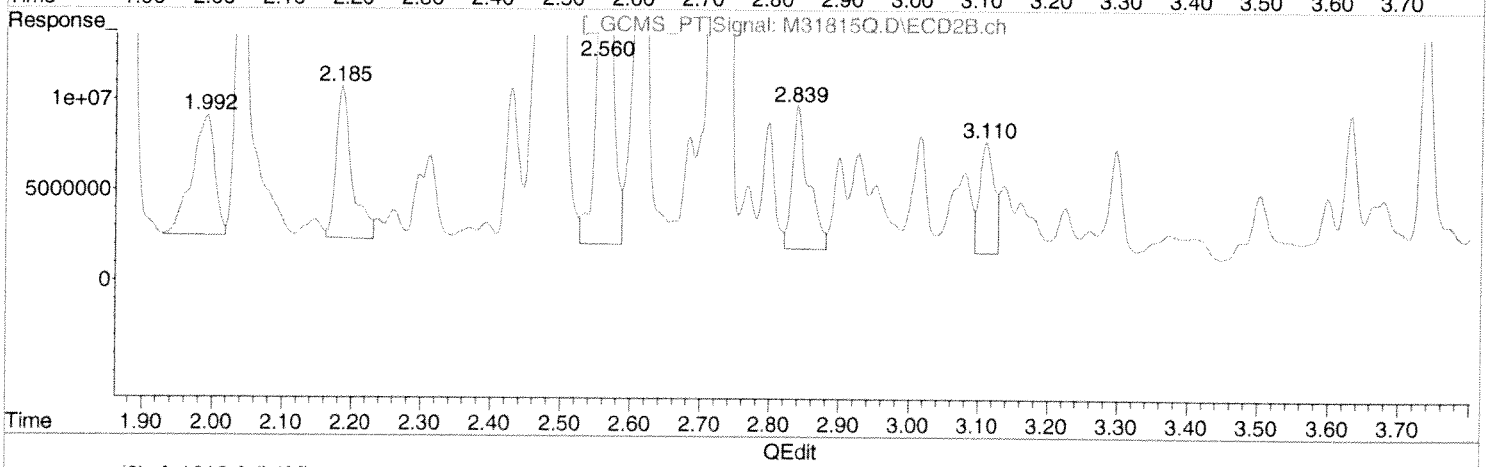
Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31815Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:51 pm
Operator : JK
Sample : LD101210PSOX2,RR2,,A/C
Misc : SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:03:46 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.18.10 TEA





QEdit

(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.45	24265534	0.77
3.19	36927955	0.71
3.27	18022011	0.53
3.34	15211663	0.52
3.56	21554769	0.50

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	150085986	0.85
2.19	138369100	0.43
2.56	444931068	1.62
2.84	127292178	0.44
3.11	87355456	0.77

3101310

(+) = Expected Retention Time

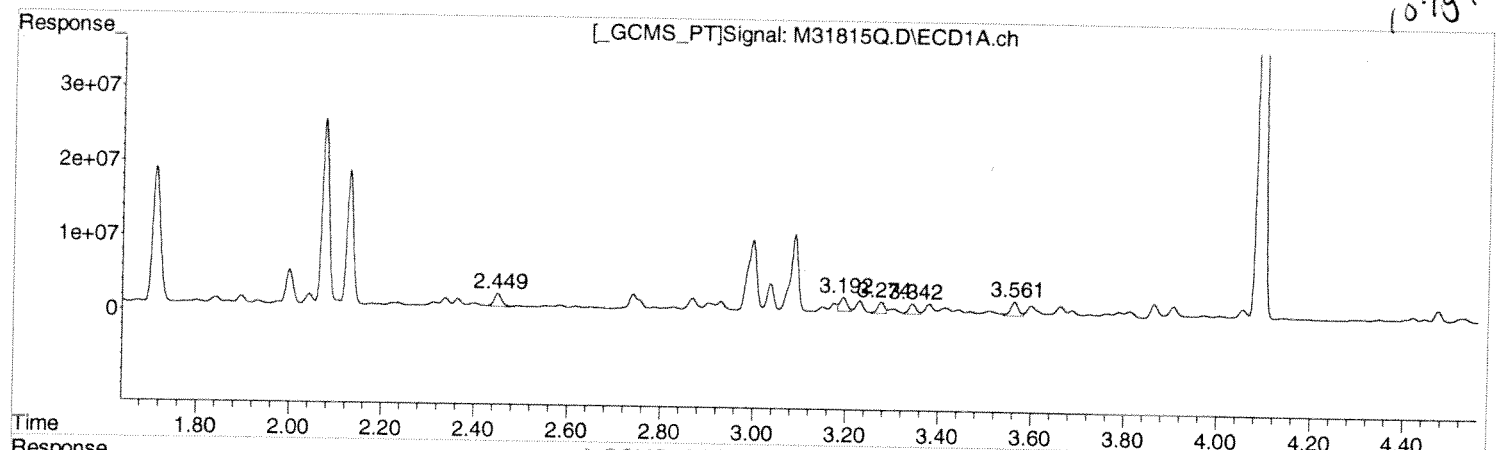
Quantitation Report (Qedit)

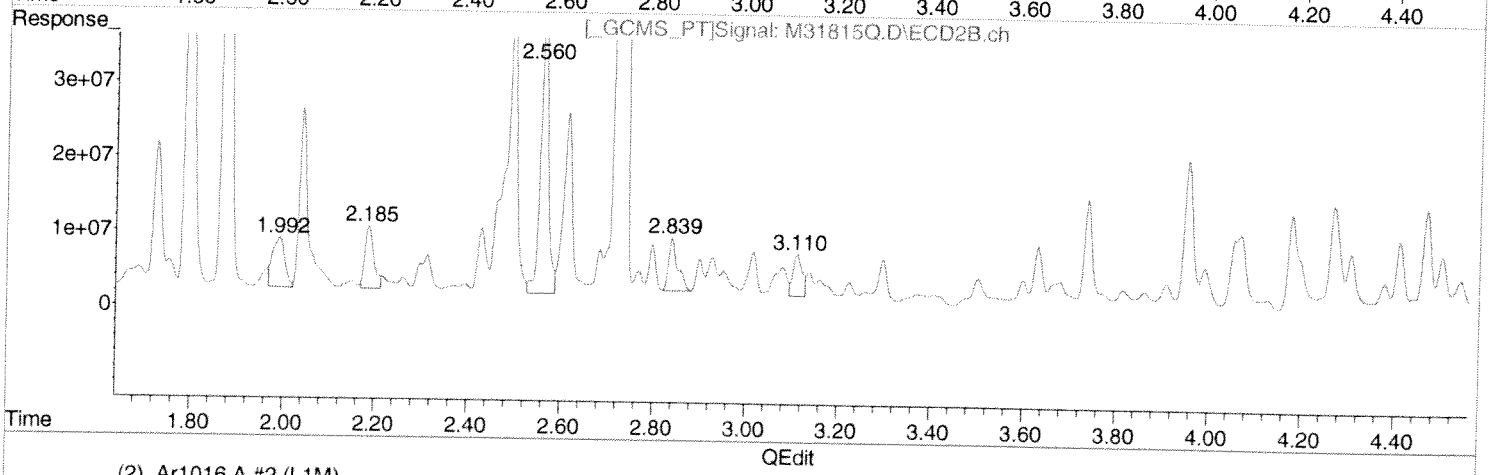
Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31815Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:51 pm
Operator : JK
Sample : LD101210PSOX2,RR2,,A/C
Misc : SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:03:46 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10-19-10





(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.45	20353085	0.64
3.19	20752380	0.38
3.27	16077493	0.47
3.34	15211663	0.52
3.56	21554769	0.50

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	126232611	0.71
2.18	118514653	0.37
2.56	444931068	1.62
2.84	96833124	0.33
3.11	74225008	0.65

101810

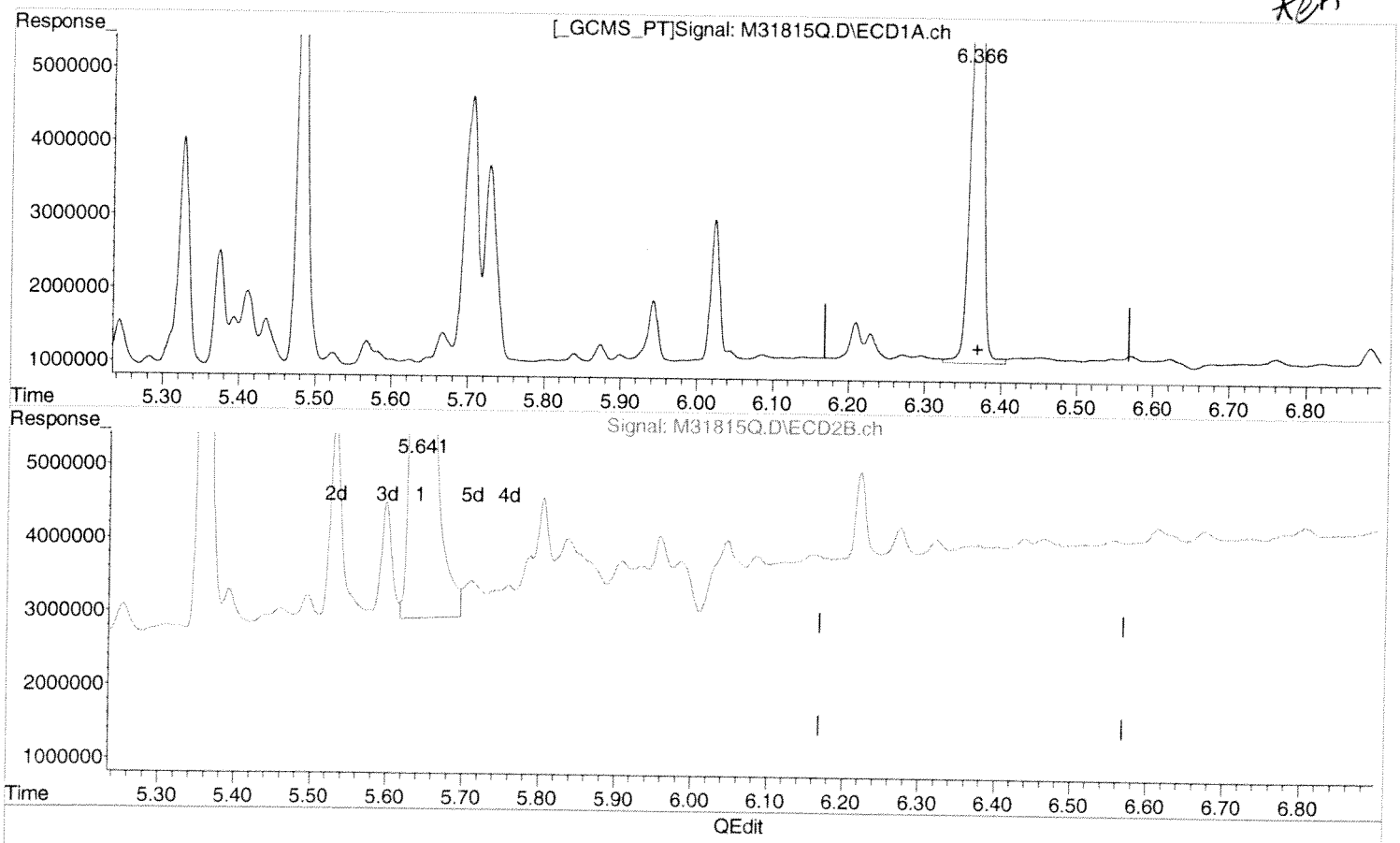
(+) = Expected Retention Time
PCB100910.M Mon Oct 18 13:04:45 2010

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31815Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:51 pm
Operator : JK
Sample : LD101210PSOX2,RR2,,A/C
Misc : SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:03:46 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JR 10-19-10 KEA



(17) DCB (S)

6.366min 68.435 ug/ml

response 80558316

(17) DCB #2 (S)

5.642min 72.472 ug/ml

response 520848000

10/19/10

(+) = Expected Retention Time

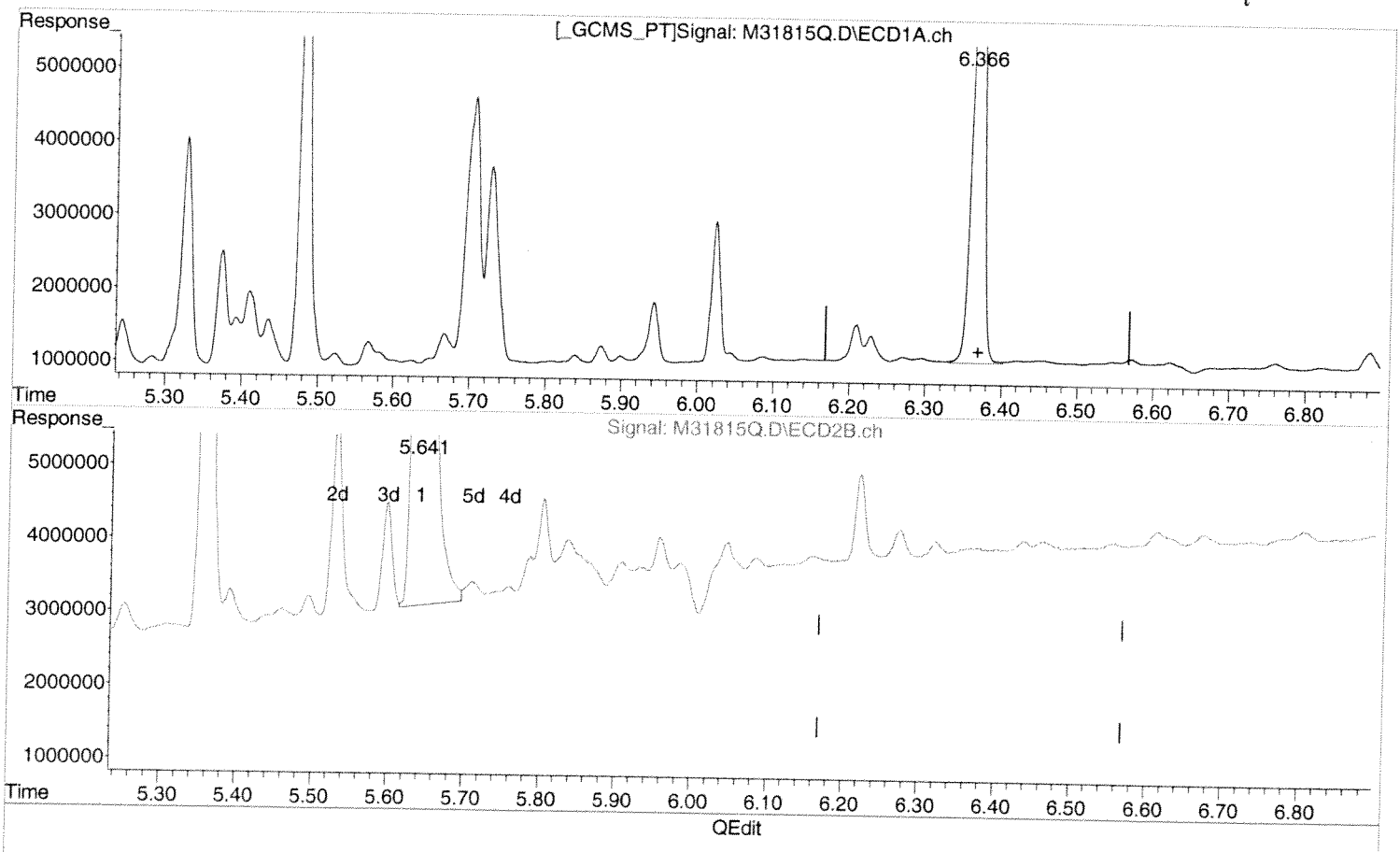
PCB100910.M Mon Oct 18 13:04:53 2010

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31815Q.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:51 pm
Operator : JK
Sample : LD101210PSOX2,RR2,,A/C
Misc : SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:03:46 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10-18-10



(17) DCB (S)

6.366min 66.760 ug/ml m

response 78587114

(17) DCB #2 (S)

5.641min 71.201 ug/ml m

response 511712852

10/18/10

(+) = Expected Retention Time
PCB100910.M Mon Oct 18 13:05:07 2010

analytics environmental laboratory, LLC

100910-M

PEST/PCB/HERB
Instrument M
Sequence Log Book

Load: ✓
Unload: ✓

Data File	Vial #	Sample	Method	Comments	Final Vol.
M31511-32	100	Hexane	PEST 100910.m		
3351	6	PS538 16/60 0.02 ug/mL		✓	
3451	7	PS539 0.05		✓	
3551	8	PS540 0.1		✓	
3651	9	PS542 0.25		✓	
3751	10	PS544 0.5		✓	
3851	11	PS485 0.75		✓	
3952	12	PS545 1.0		✓	
4051	13	PS546 2.0		✓	
41CC	14	PS549 16/60 ICV 0.5 ug/mL		✓	
4251	15	PS489 AR1254 0.0625 ug/mL		✓	
4351	16	PS490 0.125		✓	
4451	17	PS491 0.25		✓	
4561	18	PS552 0.5		✓	
4651	19	PS495 1.0		✓	
4751	20	PS496 2.0		✓	
48CC	21	PS498 AR1254 ICV 0.5 ug/mL		✓	
49	22	PS476 AR1221 1.0 ug/mL			
50	23	PS557 AR1232			
51	24	PS559 AR1242			
52	25	PS561 AR1248			
53	26	PS556 AR1262			
54	27	PS478 AR1268			
55-70	100	Hexane			

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot : 1008355

MTBE Lot:

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1: 03/09/10

[42]

analytics environmental laboratory LLC

101210-M

PEST/PCB/HERB
Instrument M
Sequence Log Book

Load: JL
Unload: JL

Data File	Vial #	Sample	Method	Comments	Final Vol.
M31571-79	100	Hexane	PCB100910.M		
808L	1	PS542 16160 0.25ug/mL		✓	
918L	4	PS550 AR1254 0.25ug/mL		✓	
82B	6	B100810PW		✓	5mL
83Q	7	L100810PWB		✓	
84Q	8	LD100810PWB		✓	
85Q	9	L100810PWB2		✓	
86Q	10	LD100810PWB2		✓	
87	11	67922-1		✓	
88	12	67924-1		✓	
89	13	67966-4		✓	
90	14	⊥ -34		✓	
91	15	67963-18		✓	
92	16	67975-19		✓	
93	17	67976-20		✓	
94	18	67977-20		✓	
95	19	67978-16		✓	
96	20	67980-14		✓	
97SL	2	PS544 16160 0.5ug/mL		✓	
98SL	5	PS552 AR1254 0.5ug/mL		✓	
99B	6	B100810PW		✓	5mL
600	7	68000-2		✓	
01	8	68002-5		✓	
02	9	⊥ -12		✓	
03SL	1	PS542 16160 0.25ug/mL		✓	
04SL	4	PS550 AR1254 0.25ug/mL		✓	
05B	10	B100610PSOX..AL			5mL
06Q	11	L100610PSOX..AL			
07Q	12	LD100610PSOX..AL			
08	13	67963-1..AL			
09	14	-2.. ⊥			
10	15	-2.MS..AL			
11	16	-2.MSD..AL			
12	17	-3..AL			
13	18	-4..			
14	19	-5..			
15	20	-6..			
16	21	-7..			
17	22	⊥ -8.. ⊥			
18SL	1	PS542 16160 0.25ug/mL			
19SL	4	PS550 AR1254 0.25ug/mL			

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot : 1008355

MTBE Lot:

* Continued onto the Next page.

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1: 03/09/10

analytics environmental laboratory LLC

101810-M

PEST/PCB/HERB
Instrument M
Sequence Log Book

Load: JL
Unload: JL

Data File	Vial #	Sample	Method	Comments	Final Vol.
M31805-10	100	Hexane	PCB100910.m		
11SC	1	PS542 16/60 0.25ug/m		✓	
12SC	4	PS550 ARL 1254 0.25ug/m		✓	
13B	6	B101210PS0X2.RR2..AL		✓	5ml
14Q	7	LI101210 PS0X2.RR2..AL		✓	
15Q	8	LD101210 PS0X2.RR2..AL		✓	
~~16~~	~~A~~	~~69000-1.RR2..AL~~	JL 10.18.10		
16	9	68000-1, 1:10..AL		✓	5ml
17SC	2	PS544 16/60 0.5ug/m		✓	
18SC	3	PS552 ARL 1254 0.5ug/m		✓	

Standard Dilutions: 1:2- 500 uL sample +500 uL hexane
1:5- 200 uL sample +800 uL hexane
1:10- 100 uL sample + 900 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:20- 50 uL sample + 950 uL hexane
1:100- 10 uLsample +990 uL hexane
1:1000- 1 uLsample +1000 uL hexane

Hexane Lot : 1009355

MTBE Lot:

C:\ANALYTICS LLC\AEL Documents\logbooks\sequence

Rev 1: 03/09/10

[50]

C:\msdchem\1\METHODS\PCB100910.M

Level 1 File Name	
Level 2 File Name	M31533SI.D
Level 3 File Name	M31534SI.D
Level 4 File Name	M31535SI.D
Level 5 File Name	M31536SI.D
Level 6 File Name	M31537SI.D
Level 7 File Name	M31538SI.D
Level 8 File Name	M31539SI.D
Level 8 File Name	M31540SI.D
Level 10 File Name	M31542SI.D
Level 11 File Name	M31543SI.D
Level 12 File Name	M31544SI.D
Level 13 File Name	M31545SI.D
Level 14 File Name	M31546SI.D
Level 15 File Name	M31547SI.D

JL 10-12-10

RESPONSE = X + YA + Z(A*A)

Name	Calibration Fit	R^2	R	X	Y	Z
TCX	1	0.051	0.226	0.00E-01	1.83E+06	0.00E-01
Ar1016 A	0	0.999	0.999	1.56E+06	2.93E+07	0.00E-01
Ar1016 B	0	1.000	1.000	1.65E+06	4.99E+07	0.00E-01
Ar1016 C	0	1.000	1.000	9.88E+05	3.21E+07	0.00E-01
Ar1016 D	0	0.999	0.999	1.22E+06	2.71E+07	0.00E-01
Ar1016 E	0	1.000	1.000	1.40E+06	4.02E+07	0.00E-01
Ar1260 A	0	1.000	1.000	2.40E+06	7.50E+07	0.00E-01
Ar1260 B	0	1.000	1.000	2.36E+06	8.88E+07	0.00E-01
Ar1260 C	0	1.	1.000	2.78E+06	8.38E+07	0.00E-01
Ar1260 D	0	.999	1.000	2.09E+06	6.53E+07	0.00E-01
Ar1260 E	0	1.000	1.000	1.74E+06	7.47E+07	0.00E-01
Ar1254 A	1	0.118	0.343	0.00E-01	6.67E+07	0.00E-01
Ar1254 B	1	0.123	0.351	0.00E-01	7.38E+07	0.00E-01
Ar1254 C	1	0.104	0.323	0.00E-01	6.02E+07	0.00E-01
Ar1254 D	1	0.097	0.311	0.00E-01	9.05E+07	0.00E-01
Ar1254 E	1	0.175	0.418	0.00E-01	5.35E+07	0.00E-01
DCB	1	0.120	0.347	0.00E-01	1.18E+06	0.00E-01
Signal #2	0	0.000	0.000	0.00E-01	0.00E-01	0.00E-01
TCX #2	1	0.034	0.185	0.00E-01	8.69E+06	0.00E-01
Ar1016 A #2	0	0.995	0.998	7.95E+06	1.67E+08	0.00E-01
Ar1016 B #2	0	1.000	1.000	7.61E+06	3.03E+08	0.00E-01
Ar1016 C #2	0	1.000	1.000	4.06E+06	2.72E+08	0.00E-01
Ar1016 D #2	0	1.000	1.000	4.47E+06	2.80E+08	0.00E-01
Ar1016 E #2	0	1.000	1.000	2.33E+06	1.11E+08	0.00E-01
Ar1260 A #2	0	1.000	1.000	5.54E+06	4.09E+08	0.00E-01
Ar1260 B #2	0	1.000	1.000	7.70E+06	6.38E+08	0.00E-01
Ar1260 C #2	0	1.000	1.000	7.20E+06	6.89E+08	0.00E-01
Ar1260 D #2	0	1.000	1.000	3.38E+06	4.38E+08	0.00E-01
Ar1260 E #2	0	1.000	1.000	1.80E+06	4.10E+08	0.00E-01
Ar1254 A #2	1	0.062	0.249	0.00E-01	2.71E+08	0.00E-01
Ar1254 B #2	1	0.054	0.233	0.00E-01	5.20E+08	0.00E-01
Ar1254 C #2	1	0.043	0.208	0.00E-01	3.12E+08	0.00E-01
Ar1254 D #2	1	0.047	0.216	0.00E-01	4.84E+08	0.00E-01
Ar1254 E #2	1	0.071	0.267	0.00E-01	4.27E+08	0.00E-01
DCB #2	1	0.039	0.196	0.00E-01	7.19E+06	0.00E-01

Regression= 0

10/12/10

Method Path : C:\msdchem\1\METHODS\
Method File : PCB100910.M
Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
Last Update : Tue Oct 12 11:36:26 2010
Response Via : Initial Calibration

Calibration Files
= 2 =M31533SI.D 3 =M31534SI.D
4 =M31535SI.D 5 =M31536SI.D 6 =M31537SI.D

JL 10.12.10

	Compound	2	3	4	5	6	Avg		%RSD
1)	S TCX	2.027	1.883	1.867	1.744	1.769	1.763	1.831 E6	5.12
2)	L1M Ar1016 A	4.881	5.130	4.443	3.674	3.424	3.240	3.862 E7	21.7
3)	L1M Ar1016 B	8.671	7.168	6.618	5.808	5.505	5.294	6.161 E7	20.3
4)	L1M Ar1016 C	5.011	4.471	4.212	3.711	3.528	3.382	3.859 E7	16.58
5)	L1M Ar1016 D	4.635	4.066	3.868	3.324	3.116	2.952	3.446 E7	19.54
6)	L1M Ar1016 E	6.639	5.733	5.479	4.749	4.461	4.264	4.946 E7	18.52
7)	L2M Ar1260 A	1.515	1.102	1.012	0.863	0.820	0.785	0.954 E8	27.01
8)	L2M Ar1260 B	1.798	1.263	1.151	1.003	0.952	0.917	1.111 E8	27.60
9)	L2M Ar1260 C	1.938	1.229	1.105	0.968	0.919	0.880	1.094 E8	31.40
10)	L2M Ar1260 D	1.188	0.927	0.850	0.750	0.701	0.712	0.807 E8	22.22
11)	L2M Ar1260 E	1.370	1.003	0.936	0.838	0.797	0.769	0.904 E8	~~23.11~~
12)	L3M Ar1254 A							6.669 E7	11.78
13)	L3M Ar1254 B							7.383 E7	12.29
14)	L3M Ar1254 C							6.019 E7	10.40
15)	L3M Ar1254 D							0.905 E8	9.67
16)	L3M Ar1254 E							5.349 E7	17.50
17)	S DCB	1.441	1.312	1.255	1.110	1.087	1.073	1.177 E6	12.02

Linear

Signal #2 Calibration Files
= 2 =M31533SI.D 3 =M31534SI.D
4 =M31535SI.D 5 =M31536SI.D 6 =M31537SI.D

	Compound	2	3	4	5	6	Avg		%RSD
1)	S TCX	9.240	8.826	8.911	8.598	8.657	8.535	8.692 E6	3.41
2)	L1M Ar1016 A	2.118	1.840	2.505	2.153	1.833	1.988	1.982 E8	~~13.67~~
3)	L1M Ar1016 B	4.175	3.780	3.677	3.396	3.284	3.192	3.461 E8	11.15
4)	L1M Ar1016 C	3.314	3.163	3.169	2.858	2.876	2.789	2.960 E8	7.48
5)	L1M Ar1016 D	3.485	3.195	3.221	3.012	2.921	2.849	3.049 E8	7.65
6)	L1M Ar1016 E	1.966	1.334	1.297	1.233	1.177	1.149	1.300 E8	21.56
7)	L2M Ar1260 A	6.531	4.883	4.668	4.361	4.246	4.160	4.639 E8	17.50
8)	L2M Ar1260 B	1.047	0.745	0.718	0.669	0.659	0.647	0.722 E9	18.91
9)	L2M Ar1260 C	1.245	0.806	0.767	0.713	0.705	0.694	0.790 E9	23.87
10)	L2M Ar1260 D	6.095	4.970	4.834	4.517	4.466	4.399	4.760 E8	~~12.21~~
11)	L2M Ar1260 E	5.111	4.414	4.393	4.155	4.134	4.117	4.319 E8	7.96
12)	L3M Ar1254 A							2.710 E8	6.18
13)	L3M Ar1254 B							5.201 E8	5.43
14)	L3M Ar1254 C							3.119 E8	4.32
15)	L3M Ar1254 D							4.836 E8	4.66
16)	L3M Ar1254 E							4.271 E8	7.15
17)	S DCB	7.805	7.250	7.306	6.942	7.051	7.045	7.187 E6	3.86

Linear

(#) = Out of Range ### Number of calibration levels exceeded format ###

JL 10.12.10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31533SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:30 pm
Operator : JK
Sample : P5538 16/60 0.02 UG/ML
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:26:31 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10.12.10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.134	1.801	8109225	36960829	3.242	4.523 #
Spiked Amount	100.000	Range	46 - 122	Recovery =	3.24%#	4.52%#
17) S DCB	6.370	5.643	5762356	31220939	2.921	4.384 #
Spiked Amount	100.000	Range	40 - 135	Recovery =	2.92%#	4.38%#
Target Compounds						
2) L1M Ar1016 A	2.455	1.986	976247	4235791	0.018	0.021
3) L1M Ar1016 B	3.197	2.191	1734287	8349266	0.042m	0.025 #
4) L1M Ar1016 C	3.280	2.568	1002290	6628629	0.011	0.026 #
5) L1M Ar1016 D	3.347	2.844	927000	6970710	0.019	0.049 #
6) L1M Ar1016 E	3.567	3.113	1327726	3931504	0.022	0.027
Sum Ar1016 A			5967552	30115900	0.112	0.148
Average Ar1016 A					0.022	0.030
7) L2M Ar1260 A	4.613	3.742	3030685	13061574	0.024	0.032 #
8) L2M Ar1260 B	4.783	3.958	3596918	20931840	0.024	0.029
9) L2M Ar1260 C	4.913	4.181	3875491	24899060	0.033	0.040
10) L2M Ar1260 D	5.127	4.271	2375472	12189020	0.020	0.034 #
11) L2M Ar1260 E	5.331	4.471	2740945	10222549	0.043	0.043
Sum Ar1260 A			15619511	81304044	0.144	0.178
Average Ar1260 A					0.029	0.036
12) L3M Ar1254 A	3.909	3.113	1140934	3931504	0.015	0.015
13) L3M Ar1254 B	4.059	3.300	1352215	6277882	0.009	0.023 #
14) L3M Ar1254 C	4.352	3.508	630847	4669728	0.007	0.009 #
15) L3M Ar1254 D	4.637	3.816	1045692	5413866	0.011	0.014 #
16) L3M Ar1254 E	4.783	3.958	3596918	20931840	0.022	0.048 #
Sum Ar1254 A			7766606	41224820	0.063	0.110
Average Ar1254 A					0.013	0.022

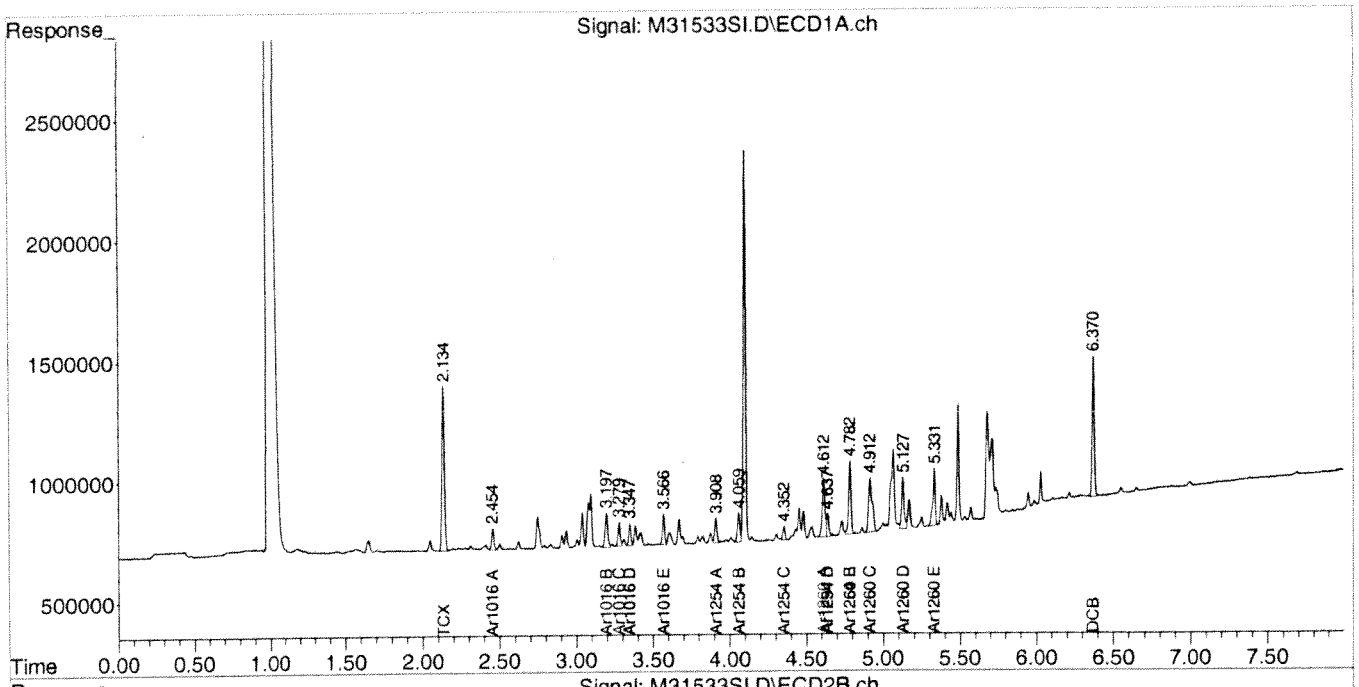
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

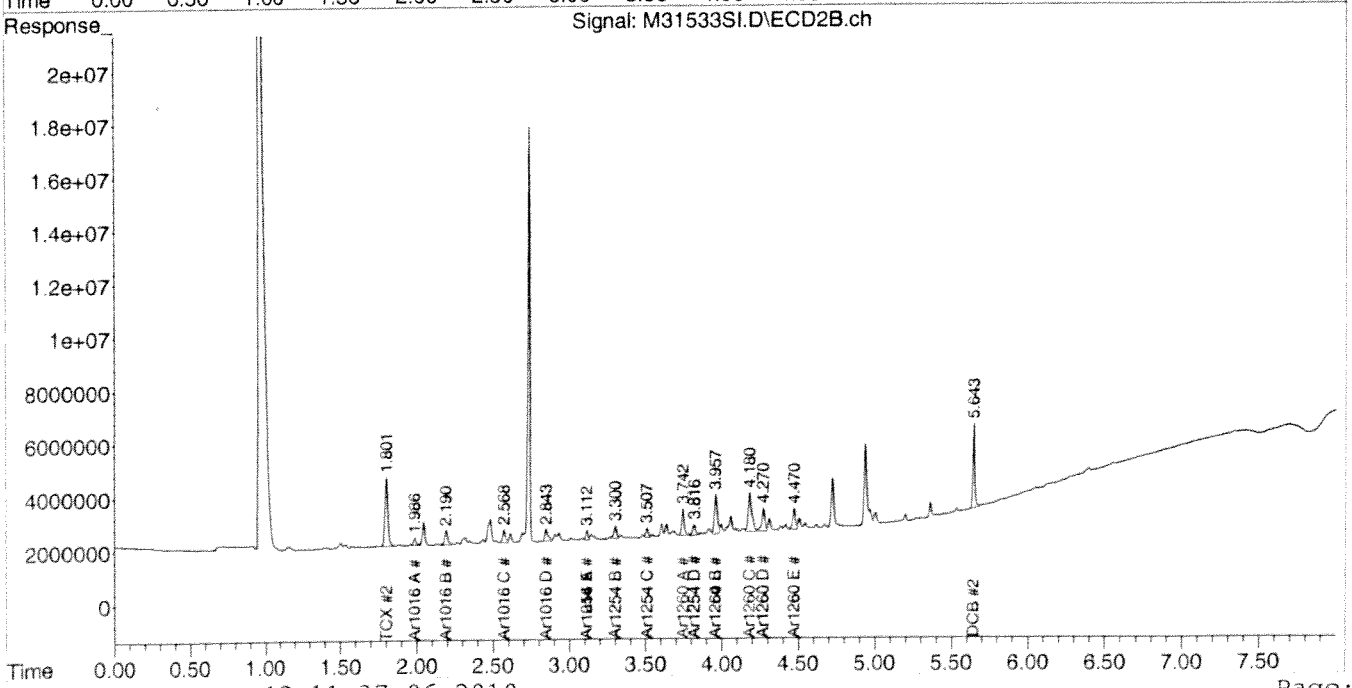
J101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31533SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:30 pm
Operator : JK
Sample : P5538 16/60 0.02 UG/ML
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:26:31 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





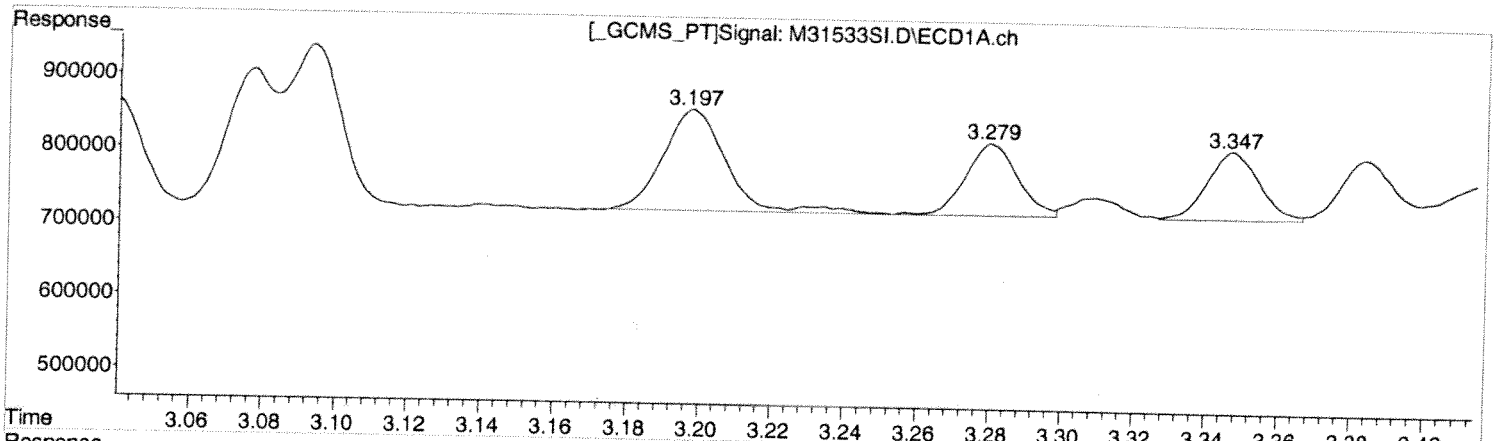
Quantitation Report (Qedit)

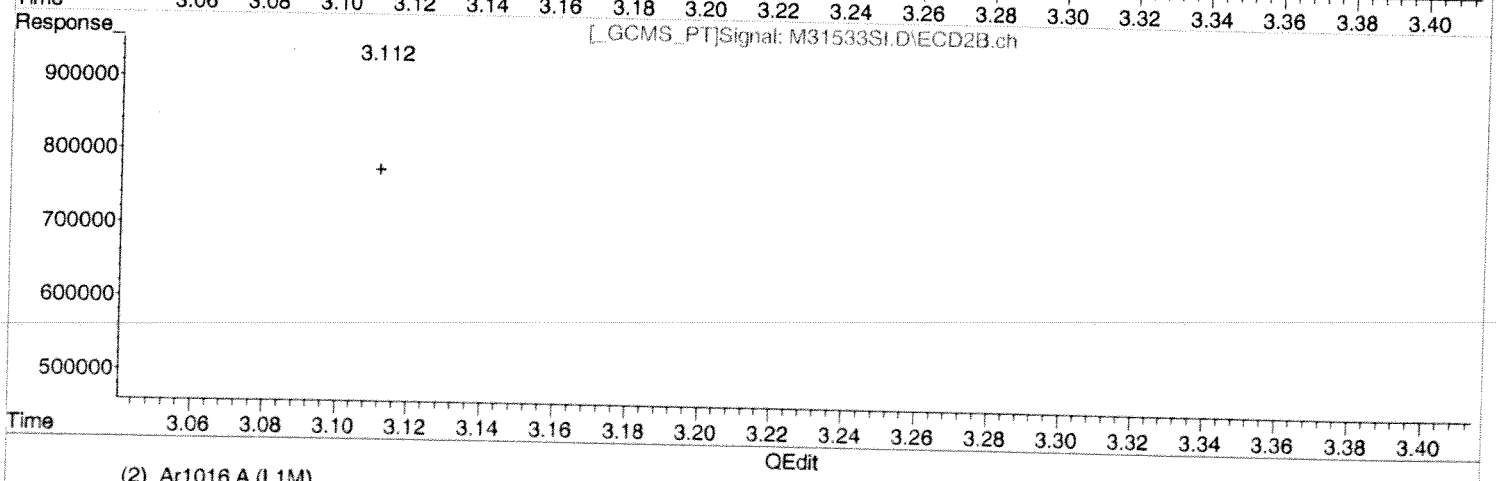
Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31533SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:30 pm
Operator : JK
Sample : P5538 16/60 0.02 UG/ML
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:35 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10.12.10 KCA





(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.45	976247	0.02
3.20	1707922	0.04
3.28	1002290	0.01
3.35	927000	0.02
3.57	1327726	0.02

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	4235791	0.02
2.19	8349266	0.03
2.57	6628629	0.03
2.84	6970710	0.05
3.11	3931504	0.03

J101261

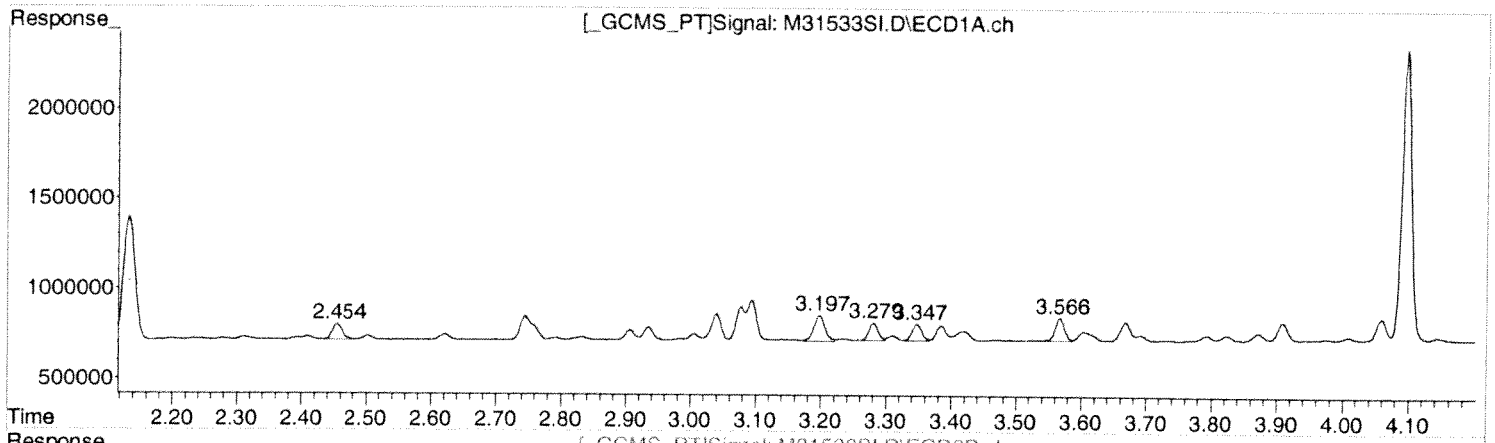
(+) = Expected Retention Time
PCB100910.M Tue Oct 12 11:26:27 2010

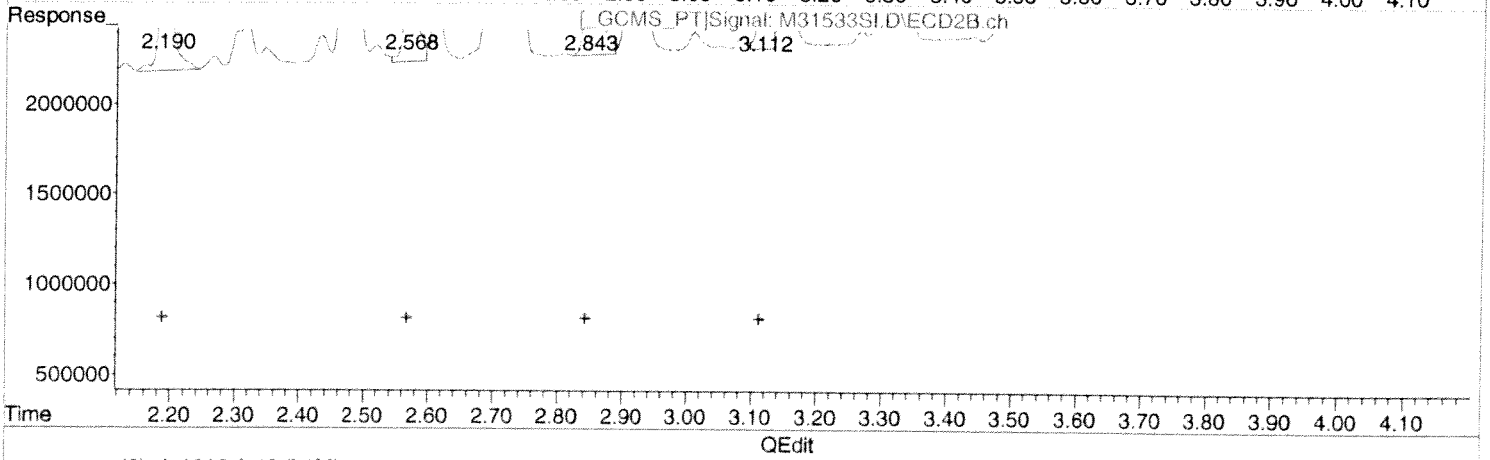
Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31533SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:30 pm
Operator : JK
Sample : P5538 16/60 0.02 UG/ML
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:35 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-12-10





(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.45	976247	0.02
3.20	1734287	0.04
3.28	1002290	0.01
3.35	927000	0.02
3.57	1327726	0.02

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	4235791	0.02
2.19	8349266	0.03
2.57	6628629	0.03
2.84	6970710	0.05
3.11	3931504	0.03

JL 10-12-10

(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31534SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:40 pm
Operator : JK
Sample : P5539 16/60 0.05 UG/ML
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:37:20 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-12-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.135	1.800	18828115	88261808	10.285	10.155
Spiked Amount	100.000	Range	46 - 122	Recovery	= 10.29%#	10.15%#
17) S DCB	6.371	5.644	13119499	72503275	11.145	10.088
Spiked Amount	100.000	Range	40 - 135	Recovery	= 11.15%#	10.09%#
Target Compounds						
2) L1M Ar1016 A	2.456	1.985	2565157	9200348	0.034	0.007 #
3) L1M Ar1016 B	3.199	2.190	3584141	18900419	0.039	0.037
4) L1M Ar1016 C	3.281	2.568	2235361	15813776	0.039	0.043
5) L1M Ar1016 D	3.348	2.843	2032943	15972749	0.030	0.041 #
6) L1M Ar1016 E	3.568	3.113	2866701	6672103	0.037	0.039
Sum Ar1016 A			13284302	66559395	0.178	0.168
Average Ar1016 A					0.036	0.034
7) L2M Ar1260 A	4.614	3.742	5509075	24413957	0.041	0.046
8) L2M Ar1260 B	4.784	3.957	6312685	37235823	0.045	0.046
9) L2M Ar1260 C	4.914	4.180	6143311	40281472	0.040	0.048
10) L2M Ar1260 D	5.128	4.271	4637311	24848443	0.039	0.049 #
11) L2M Ar1260 E	5.332	4.471	5015740	22070449	0.044	0.049
Sum Ar1260 A			27618121	148.9E6	0.209	0.239
Average Ar1260 A					0.042	0.048
12) L3M Ar1254 A	3.910	3.113	1866501	6672103	0.028	0.025
13) L3M Ar1254 B	4.060	3.300	1763570	8031226	0.024	0.015 #
14) L3M Ar1254 C	4.353	3.505	312429	6343168	0.005	0.020 #
15) L3M Ar1254 D	4.614	3.819	5509075	3000980	0.061	0.006 #
16) L3M Ar1254 E	4.784	3.957	6312685	37235823	0.118	0.087 #
Sum Ar1254 A			15764260	61283300	0.236	0.154
Average Ar1254 A					0.047	0.031

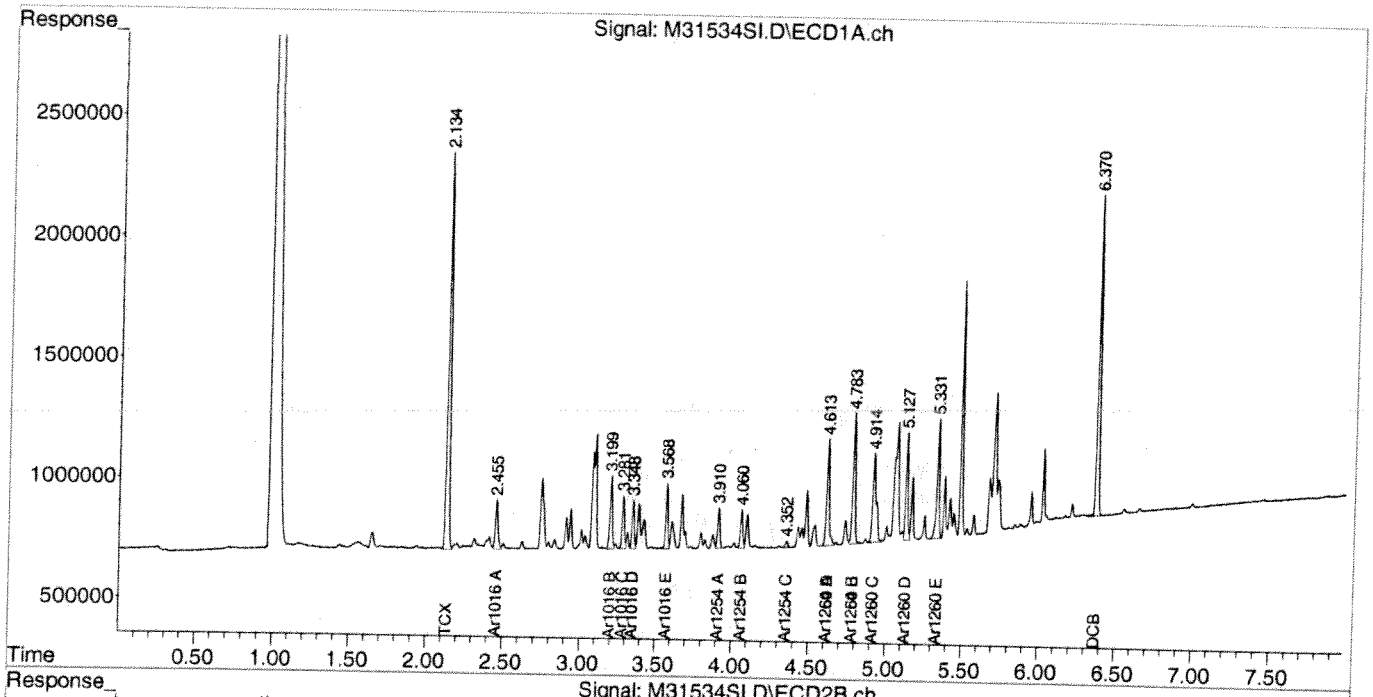
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

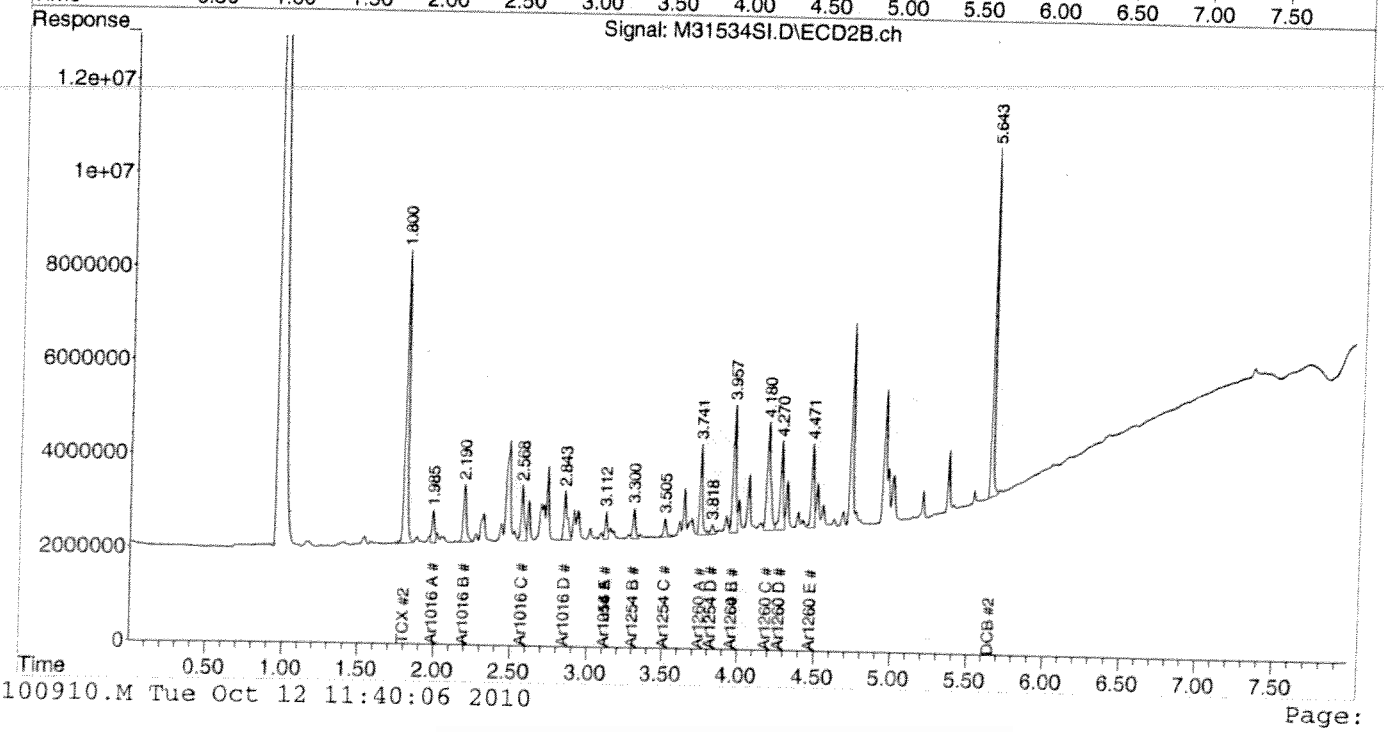
J101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31534SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:40 pm
Operator : JK
Sample : P5539 16/60 0.05 UG/ML
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:37:20 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



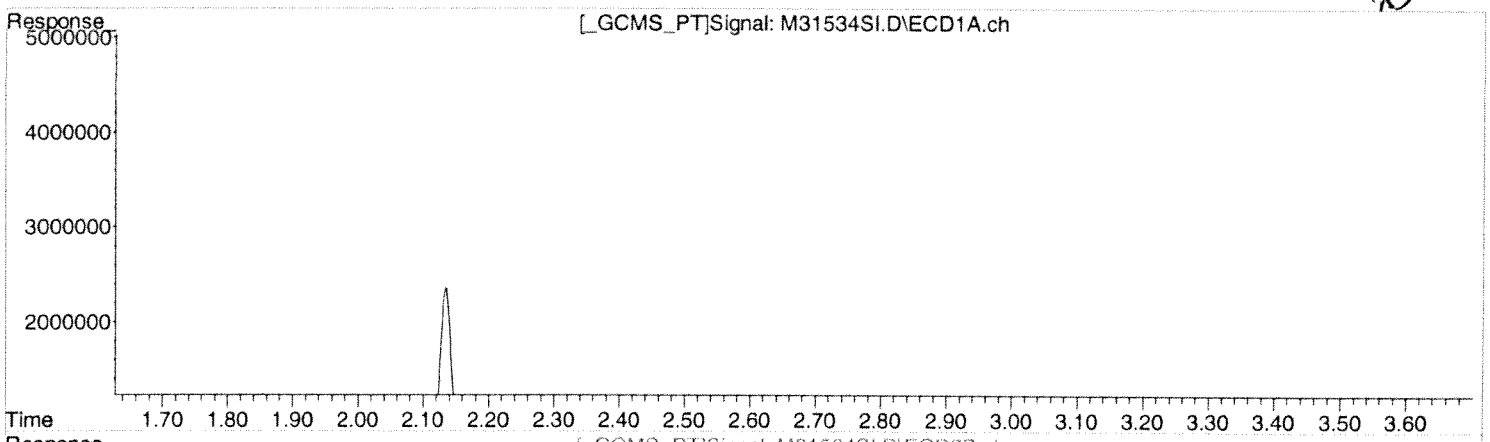


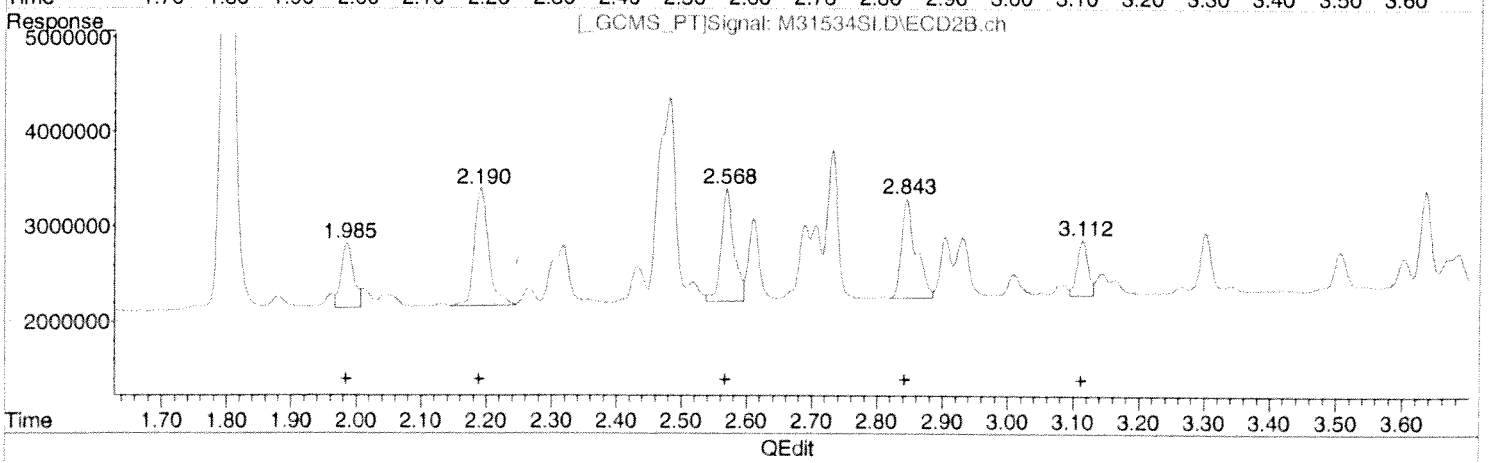
Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31534SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:40 pm
Operator : JK
Sample : P5539 16/60 0.05 UG/ML
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:42:35 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-12-10 XSP





QEdit

(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.46	2565157	0.03
3.20	3584141	0.04
3.28	2235361	0.04
3.35	2032943	0.03
3.57	2866701	0.04

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	9200348	0.01
2.19	18900419	0.04
2.57	15813776	0.04
2.84	15972749	0.04
3.11	6672103	0.04

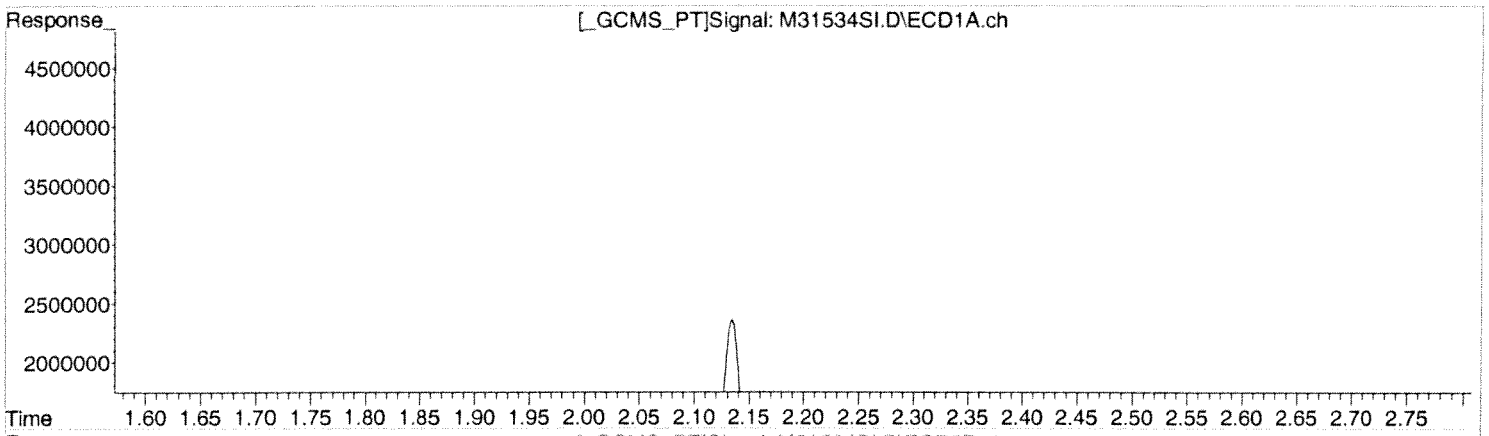
JL 101266

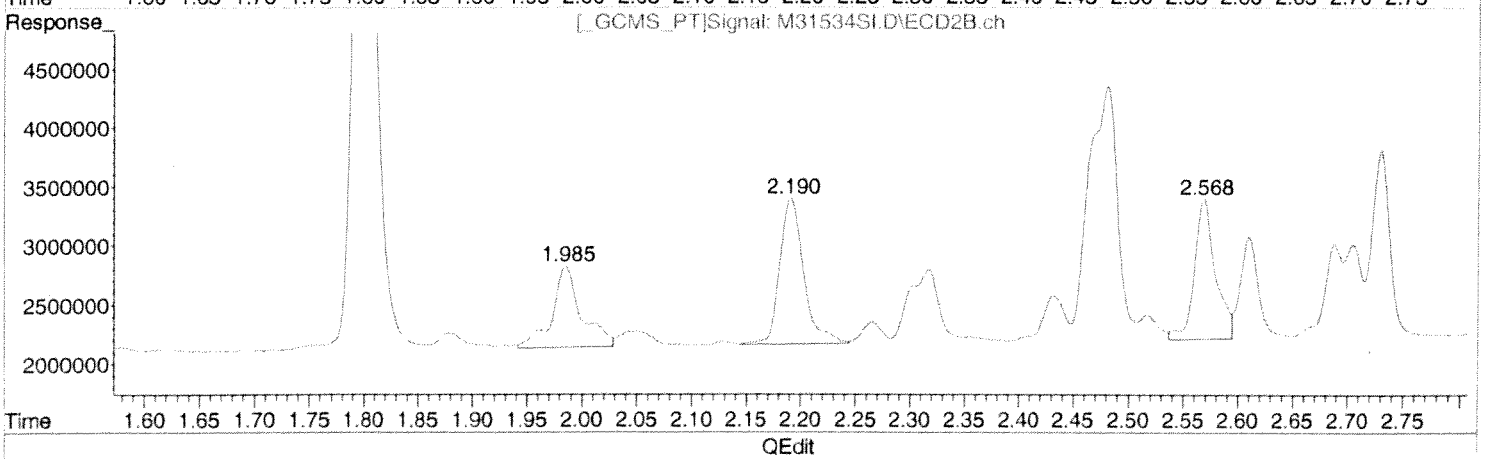
(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31534SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:40 pm
Operator : JK
Sample : P5539 16/60 0.05 UG/ML
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:42:35 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





QEdit

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.46	2565157	0.03
3.20	3584141	0.04
3.28	2235361	0.04
3.35	2032943	0.03
3.57	2866701	0.04

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.98	12667820	0.03
2.19	18900419	0.04
2.57	15813776	0.04
2.84	15972749	0.04
3.11	6672103	0.04

(+) = Expected Retention Time

PCB
CONTINUING CALIBRATION

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5539 16/60 0.05 UG/ML
Data File ID: M31534SI.D

JL 10-12-11

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				10.285	103		10.155	102	
PCB 1016				0.036	71		0.038	76	
PCB 1260				0.042	84		0.048	96	
DCB				11.145	111		10.088	101	

Lower Limit	Upper Limit
70	130

Column to be used to Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: Requantted against curve

JL 101210

PCB FORM 7

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31534SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:40 pm
Operator : JK
Sample : P5539 16/60 0.05 UG/ML
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:44:07 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-12-10

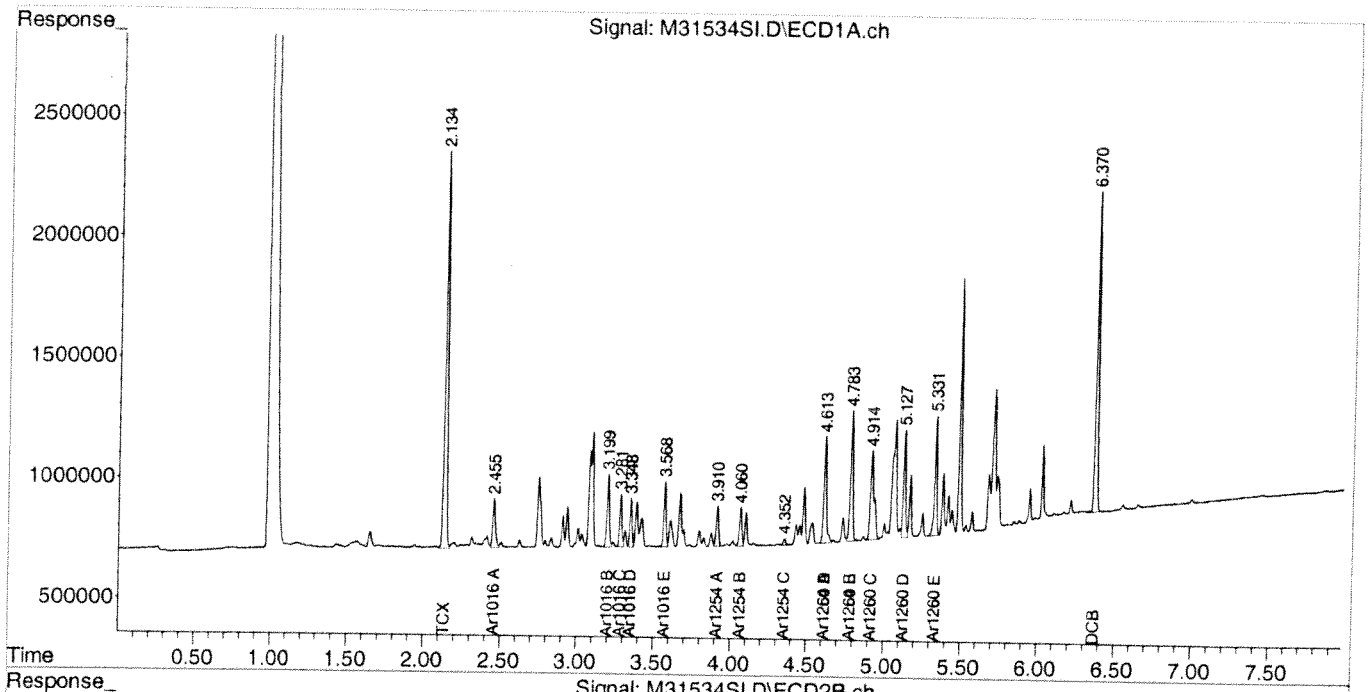
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.135	1.800	18828115	88261808	10.285	10.155
Spiked Amount 100.000	Range	46 - 122	Recovery	=	10.29%#	10.15%#
17) S DCB	6.371	5.644	13119499	72503275	11.145	10.088
Spiked Amount 100.000	Range	40 - 135	Recovery	=	11.15%#	10.09%#
Target Compounds						
2) L1M Ar1016 A	2.456	1.985	2565157	12667820	0.034	0.028m
3) L1M Ar1016 B	3.199	2.190	3584141	18900419	0.039	0.037
4) L1M Ar1016 C	3.281	2.568	2235361	15813776	0.039	0.043
5) L1M Ar1016 D	3.348	2.843	2032943	15972749	0.030	0.041 #
6) L1M Ar1016 E	3.568	3.113	2866701	6672103	0.037	0.039
Sum Ar1016 A			13284302	70026866	0.178	0.189
Average Ar1016 A					0.036	0.038
7) L2M Ar1260 A	4.614	3.742	5509075	24413957	0.041	0.046
8) L2M Ar1260 B	4.784	3.957	6312685	37235823	0.045	0.046
9) L2M Ar1260 C	4.914	4.180	6143311	40281472	0.040	0.048
10) L2M Ar1260 D	5.128	4.271	4637311	24848443	0.039	0.049 #
11) L2M Ar1260 E	5.332	4.471	5015740	22070449	0.044	0.049
Sum Ar1260 A			27618121	148.9E6	0.209	0.239
Average Ar1260 A					0.042	0.048
12) L3M Ar1254 A	3.910	3.113	1866501	6672103	0.028	0.025
13) L3M Ar1254 B	4.060	3.300	1763570	8031226	0.024	0.015 #
14) L3M Ar1254 C	4.353	3.505	312429	6343168	0.005	0.020 #
15) L3M Ar1254 D	4.614	3.819	5509075	3000980	0.061	0.006 #
16) L3M Ar1254 E	4.784	3.957	6312685	37235823	0.118	0.087 #
Sum Ar1254 A			15764260	61283300	0.236	0.154
Average Ar1254 A					0.047	0.031

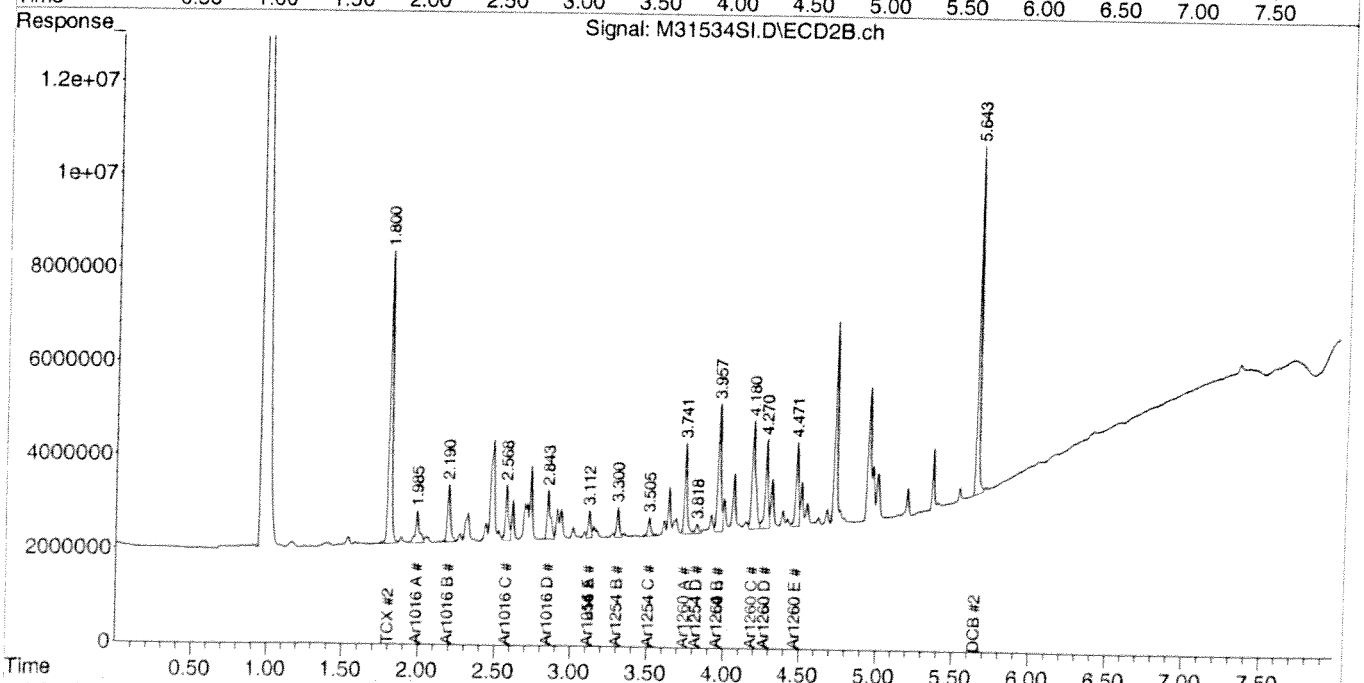
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31534SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:40 pm
Operator : JK
Sample : P5539 16/60 0.05 UG/ML
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:44:07 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31535SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:50 pm
Operator : JK
Sample : P5540 16/60 0.1 UG/ML
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:26:56 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-12-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.135	1.801	37348665	178.2E6	14.931	21.809 #
Spiked Amount	100.000 Range	46 - 122	Recovery	=	14.93%#	21.81%#
17) S DCB	6.370	5.643	25097749	146.1E6	12.722	20.517 #
Spiked Amount	100.000 Range	40 - 135	Recovery	=	12.72%#	20.52%#
Target Compounds						
2) L1M Ar1016 A	2.455	1.986	4442829	25048389	0.081m	0.124 #
3) L1M Ar1016 B	3.198	2.191	6618049	36770664	0.161m	0.111 #
4) L1M Ar1016 C	3.280	2.568	4211526	31687924	0.045m	0.124 #
5) L1M Ar1016 D	3.348	2.844	3868013	32213050	0.077	0.226 #
6) L1M Ar1016 E	3.568	3.113	5478839	12965502	0.092	0.088
Sum Ar1016 A			24619256	138.7E6	0.456	0.673
Average Ar1016 A					0.091	0.135
7) L2M Ar1260 A	4.613	3.742	10123605	46680611	0.080	0.115 #
8) L2M Ar1260 B	4.783	3.957	11508259	71807928	0.076	0.099 #
9) L2M Ar1260 C	4.914	4.180	11045572	76744379	0.095	0.124 #
10) L2M Ar1260 D	5.127	4.271	8497643	48339338	0.072	0.135 #
11) L2M Ar1260 E	5.332	4.471	9356446	43925484	0.146	0.184 #
Sum Ar1260 A			50531526	287.5E6	0.469	0.656
Average Ar1260 A					0.094	0.131
12) L3M Ar1254 A	3.910	3.113	3565534	12965502	0.048	0.050
13) L3M Ar1254 B	4.060	3.301	3275095	16497587	0.021	0.062 #
14) L3M Ar1254 C	4.353	3.506	517760	10821209	0.005	0.020 #
15) L3M Ar1254 D	4.613	3.818	10123605	4605420	0.110	0.012 #
16) L3M Ar1254 E	4.783	3.957	11508259	71807928	0.069	0.165 #
Sum Ar1254 A			28990253	116.7E6	0.253	0.309
Average Ar1254 A					0.051	0.062

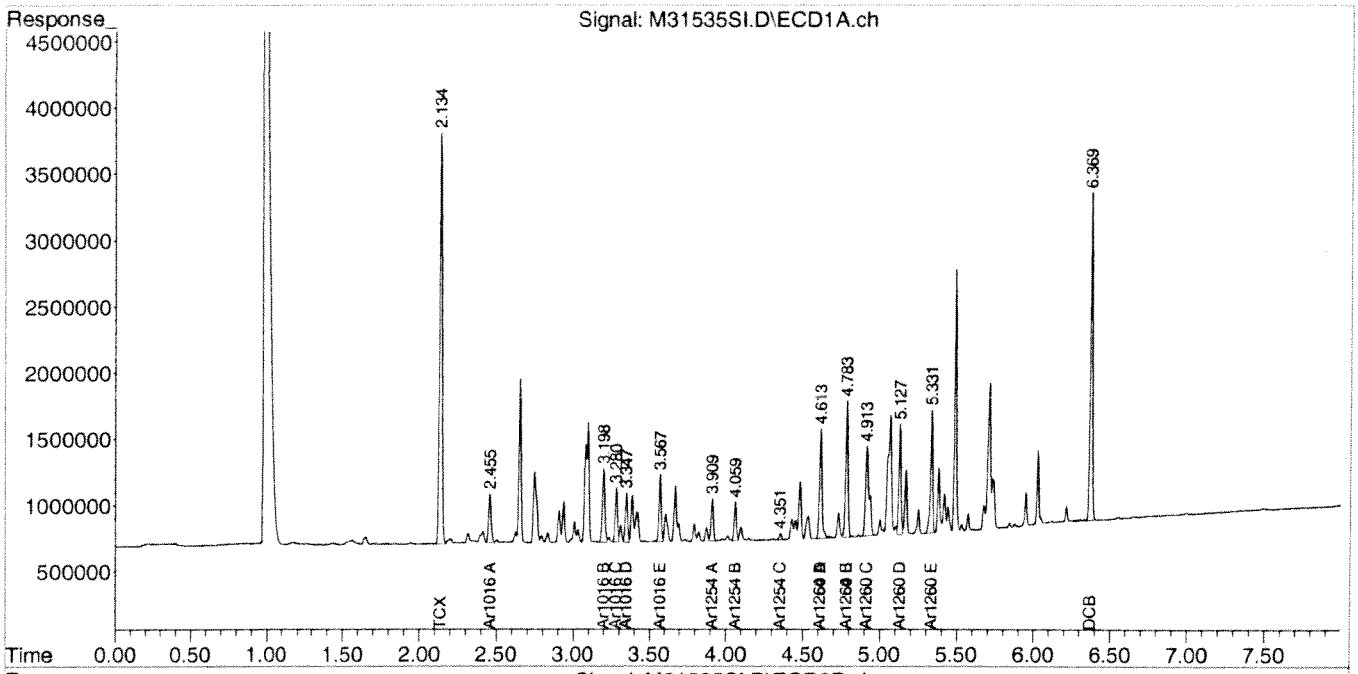
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

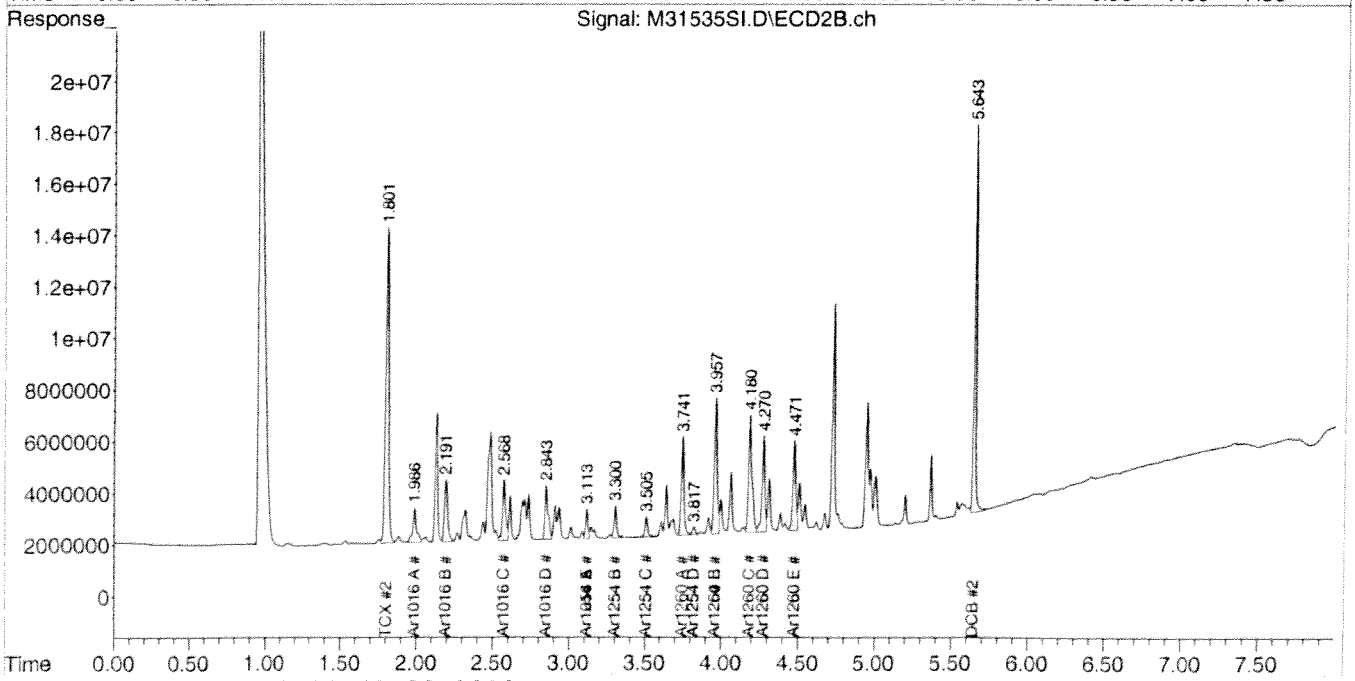
JL 101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31535SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:50 pm
Operator : JK
Sample : P5540 16/60 0.1 UG/ML
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:26:56 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



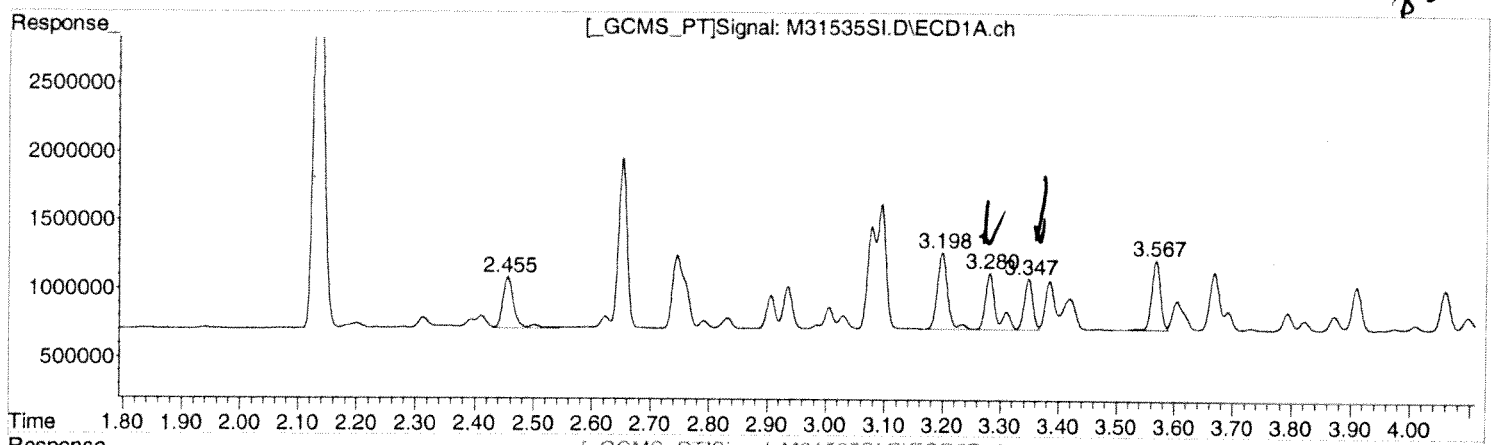


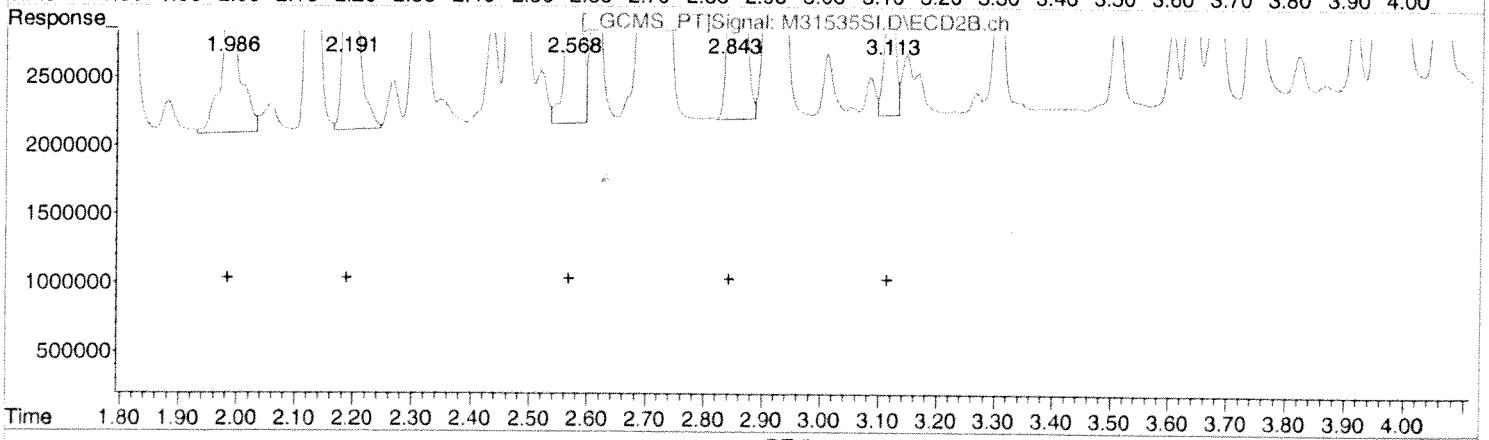
Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31535SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:50 pm
Operator : JK
Sample : P5540 16/60 0.1 UG/ML
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:39 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.12.10





QEdit

(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.46	5043443	0.09
3.20	7003735	0.17
3.28	5508285	0.06
3.35	3868013	0.08
3.57	5478839	0.09

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	25048389	0.12
2.19	36770664	0.11
2.57	31687924	0.12
2.84	32213050	0.23
3.11	12965502	0.09

J 101210

(+) = Expected Retention Time

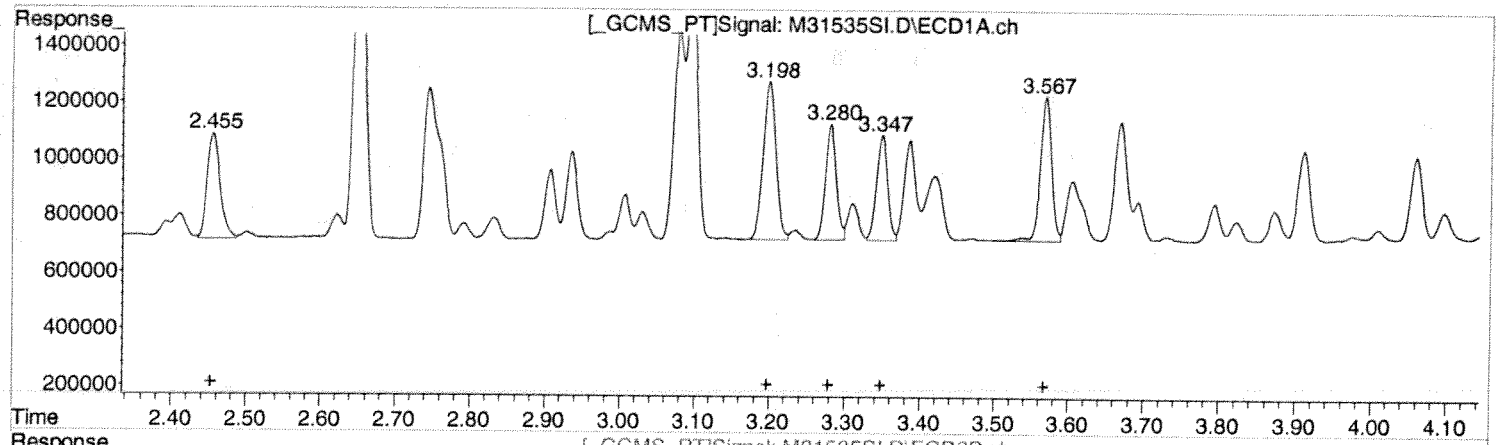
Quantitation Report (Qedit)

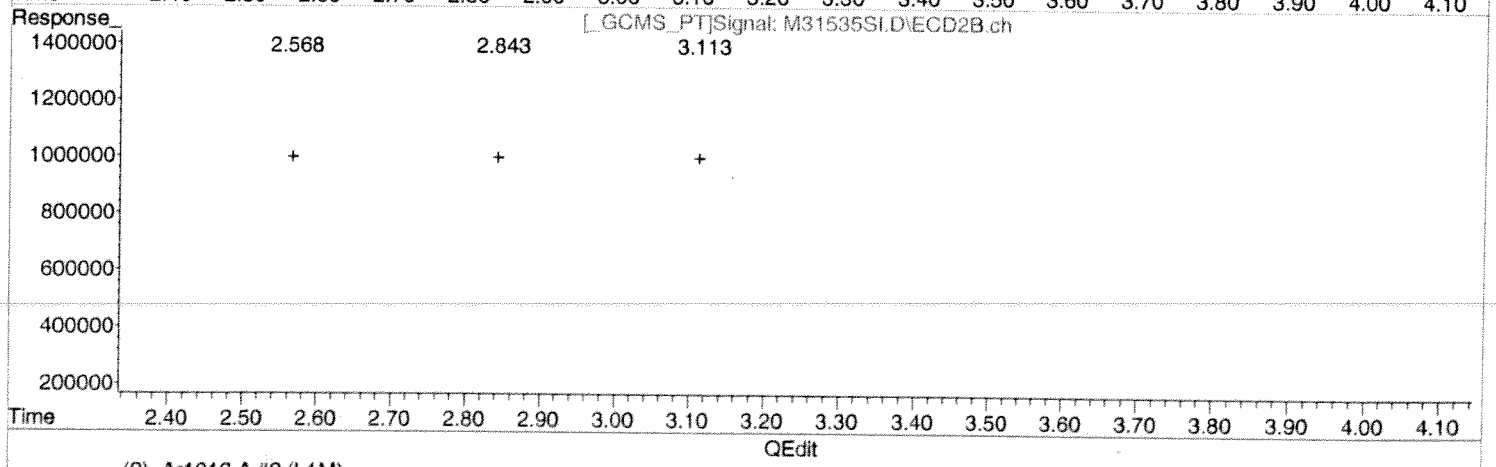
Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31535SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 12:50 pm
Operator : JK
Sample : P5540 16/60 0.1 UG/ML
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:23:54 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JR 10-01-1.





(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.45	4442829	0.08
3.20	6618049	0.16
3.28	4211526	0.04
3.35	3868013	0.08
3.57	5478839	0.09

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	25048389	0.12
2.19	36770664	0.11
2.57	31687924	0.12
2.84	32213050	0.23
3.11	12965502	0.09

JR 101210

(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31536SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:01 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:27:08 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.12.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.133	1.799	87213254	429.9E6	34.866	52.601 #
Spiked Amount	100.000	Range	46 - 122	Recovery	= 34.87%#	52.60%
17) S DCB	6.369	5.643	55515833	347.1E6	28.140	48.734 #
Spiked Amount	100.000	Range	40 - 135	Recovery	= 28.14%#	48.73%
Target Compounds						
2) L1M Ar1016 A	2.454	1.985	9183756	53816200	0.168	0.267 #
3) L1M Ar1016 B	3.198	2.190	14519755	84888942	0.353m	0.256 #
4) L1M Ar1016 C	3.280	2.568	9277282	71461946	0.099	0.279 #
5) L1M Ar1016 D	3.347	2.843	8308988	75304806	0.166	0.529 #
6) L1M Ar1016 E	3.567	3.113	11872826	30818367	0.200	0.208
Sum Ar1016 A			53162607	316.3E6	0.985	1.540
Average Ar1016 A					0.197	0.308
7) L2M Ar1260 A	4.613	3.742	21583653	109.0E6	0.170	0.268 #
8) L2M Ar1260 B	4.783	3.957	25064017	167.2E6	0.166	0.230 #
9) L2M Ar1260 C	4.914	4.180	24195062	178.1E6	0.207	0.287 #
10) L2M Ar1260 D	5.127	4.271	18743075	112.9E6	0.160	0.315 #
11) L2M Ar1260 E	5.332	4.472	20954075	103.9E6	0.327	0.435 #
Sum Ar1260 A			110.5E6	671.1E6	1.030	1.536
Average Ar1260 A					0.206	0.307
12) L3M Ar1254 A	3.909	3.113	7752156	30818367	0.103	0.118
13) L3M Ar1254 B	4.059	3.301	6961583	38658234	0.045	0.144 #
14) L3M Ar1254 C	4.353	3.505	1183881	25819798	0.012	0.049 #
15) L3M Ar1254 D	4.613	3.819	21583653	10629399	0.234	0.028 #
16) L3M Ar1254 E	4.783	3.957	25064017	167.2E6	0.150	0.384 #
Sum Ar1254 A			62545290	273.1E6	0.544	0.723
Average Ar1254 A					0.109	0.145

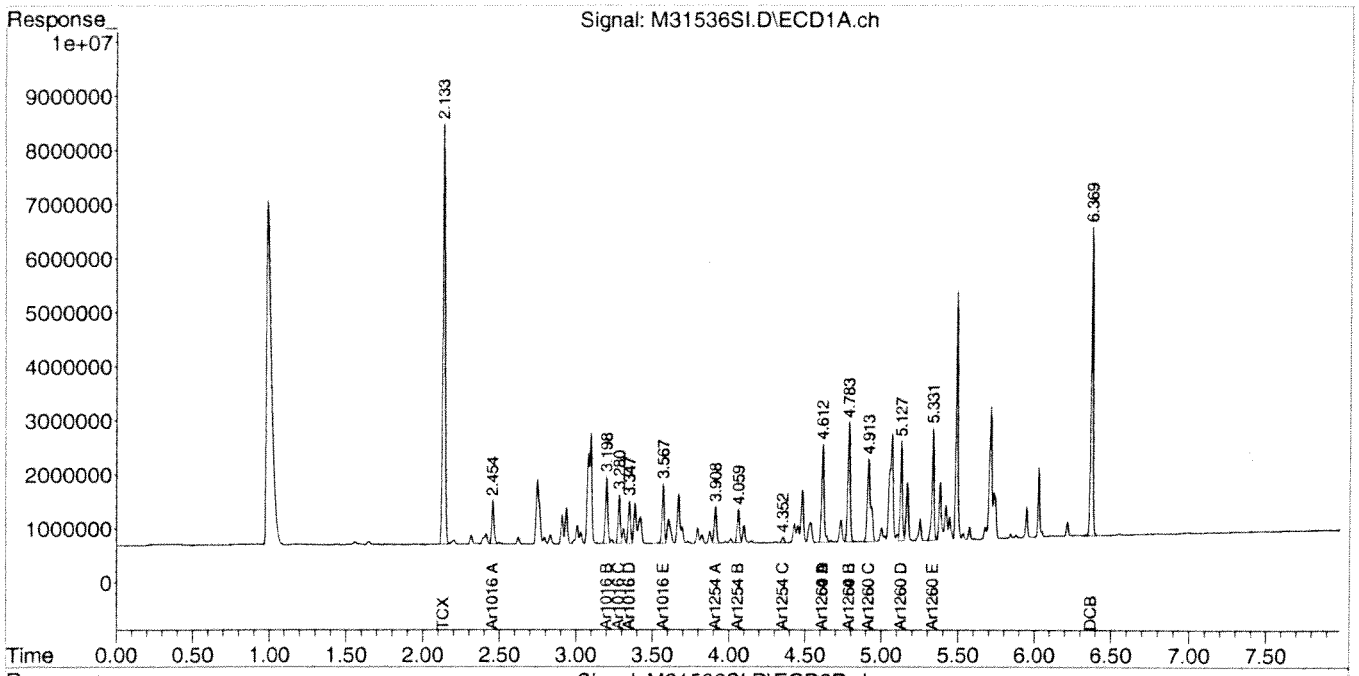
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

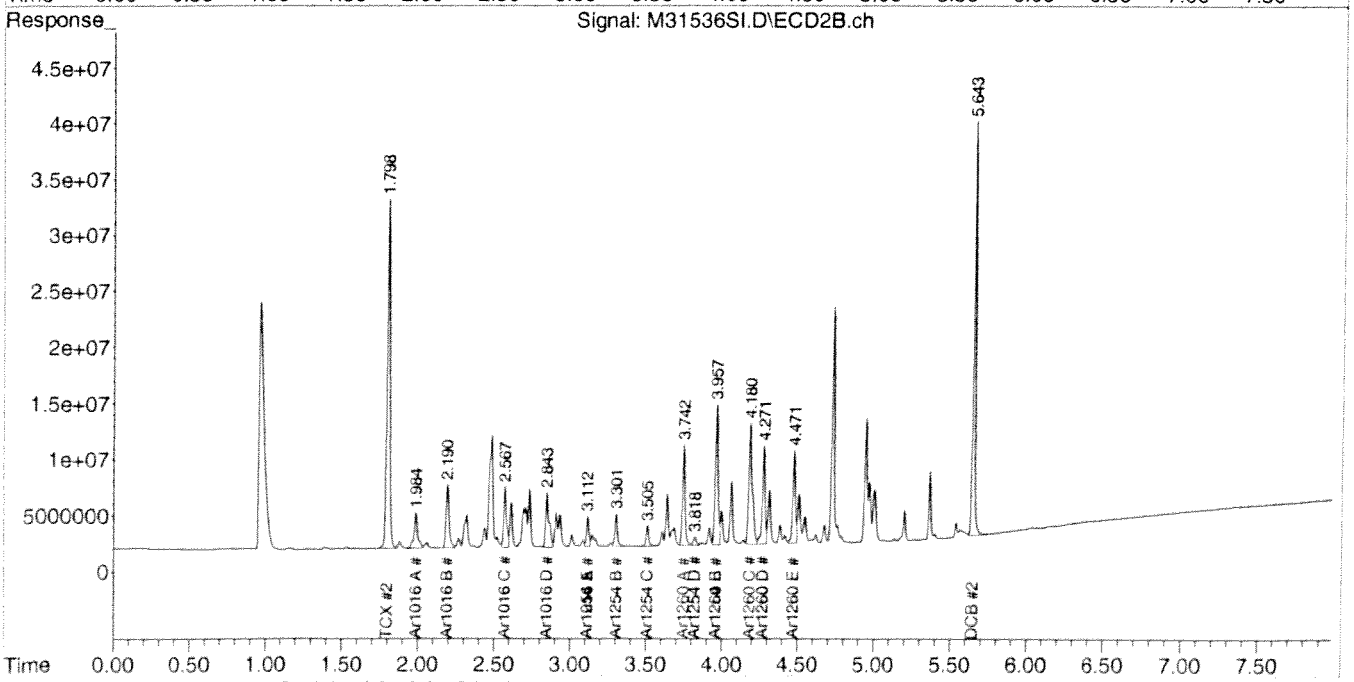
JL 101215

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31536SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:01 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:27:08 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



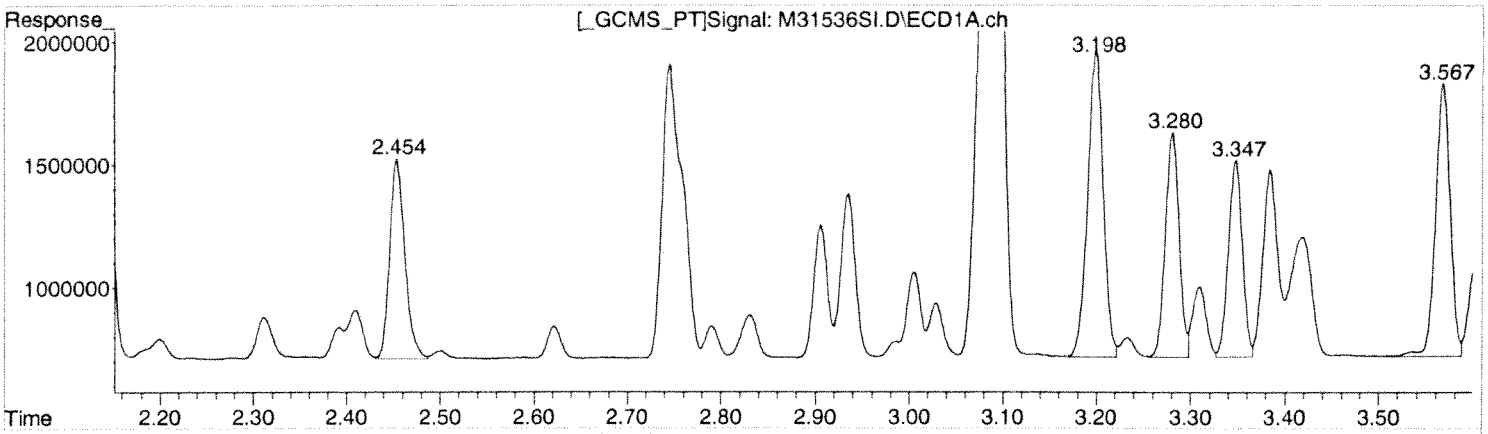


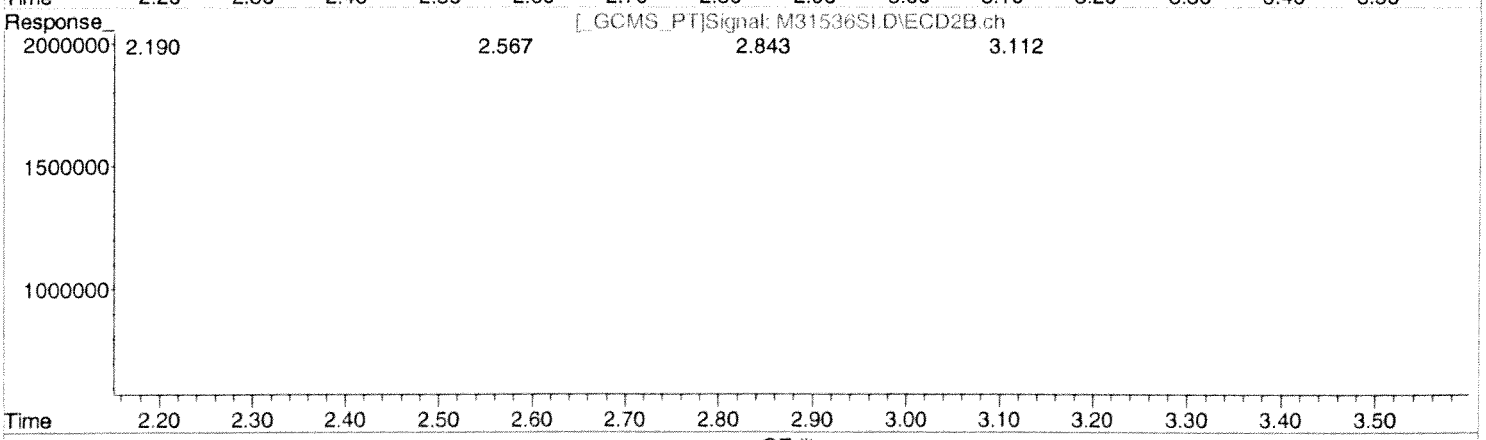
Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31536SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:01 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:41 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10·12·10 *EA/NO Beto





QEdit

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.45	9183756	0.17
3.20	14519755	0.35
3.28	9277282	0.10
3.35	8308988	0.17
3.57	11872826	0.20

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.98	53816200	0.27
2.19	84888942	0.26
2.57	71461946	0.28
2.84	75304806	0.53
3.11	30818367	0.21

J 101210

(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31537SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:11 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:43 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JR 10.12.10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.132	1.799	176.9E6	865.7E6	70.736	105.933 #
Spiked Amount	100.000 Range	46 - 122	Recovery	=	70.74%	105.93%
17) S DCB	6.370	5.643	108.7E6	705.1E6	55.085	98.994 #
Spiked Amount	100.000 Range	40 - 135	Recovery	=	55.09%	98.99%
Target Compounds						
2) L1M Ar1016 A	2.453	1.984	17120946	91651172	0.312	0.456 #
3) L1M Ar1016 B	3.198	2.189	27525066	164.2E6	0.669	0.496 #
4) L1M Ar1016 C	3.279	2.567	17637642	143.8E6	0.188	0.561 #
5) L1M Ar1016 D	3.347	2.843	15577601	146.1E6	0.312	1.026 #
6) L1M Ar1016 E	3.567	3.112	22306866	58853230	0.375	0.398
Sum Ar1016 A			100.2E6	604.6E6	1.856	2.936
Average Ar1016 A					0.371	0.587
7) L2M Ar1260 A	4.612	3.742	40986487	212.3E6	0.323	0.523 #
8) L2M Ar1260 B	4.783	3.957	47580650	329.7E6	0.316	0.453 #
9) L2M Ar1260 C	4.913	4.181	45926297	352.6E6	0.393	0.568 #
10) L2M Ar1260 D	5.127	4.271	35071144	223.3E6	0.299	0.623 #
11) L2M Ar1260 E	5.331	4.471	39829554	206.7E6	0.621	0.866 #
Sum Ar1260 A			209.4E6	1324.5E6	1.952	3.033
Average Ar1260 A					0.390	0.607
12) L3M Ar1254 A	3.909	3.112	14402909	58853230	0.192	0.226
13) L3M Ar1254 B	4.059	3.300	12832663	72137097	0.082	0.269 #
14) L3M Ar1254 C	4.352	3.505	2249991	45914378	0.023	0.087 #
15) L3M Ar1254 D	4.612	3.818	40986487	19436047	0.445	0.052 #
16) L3M Ar1254 E	4.783	3.957	47580650	329.7E6	0.285	0.757 #
Sum Ar1254 A			118.1E6	526.0E6	1.027	1.390
Average Ar1254 A					0.205	0.278

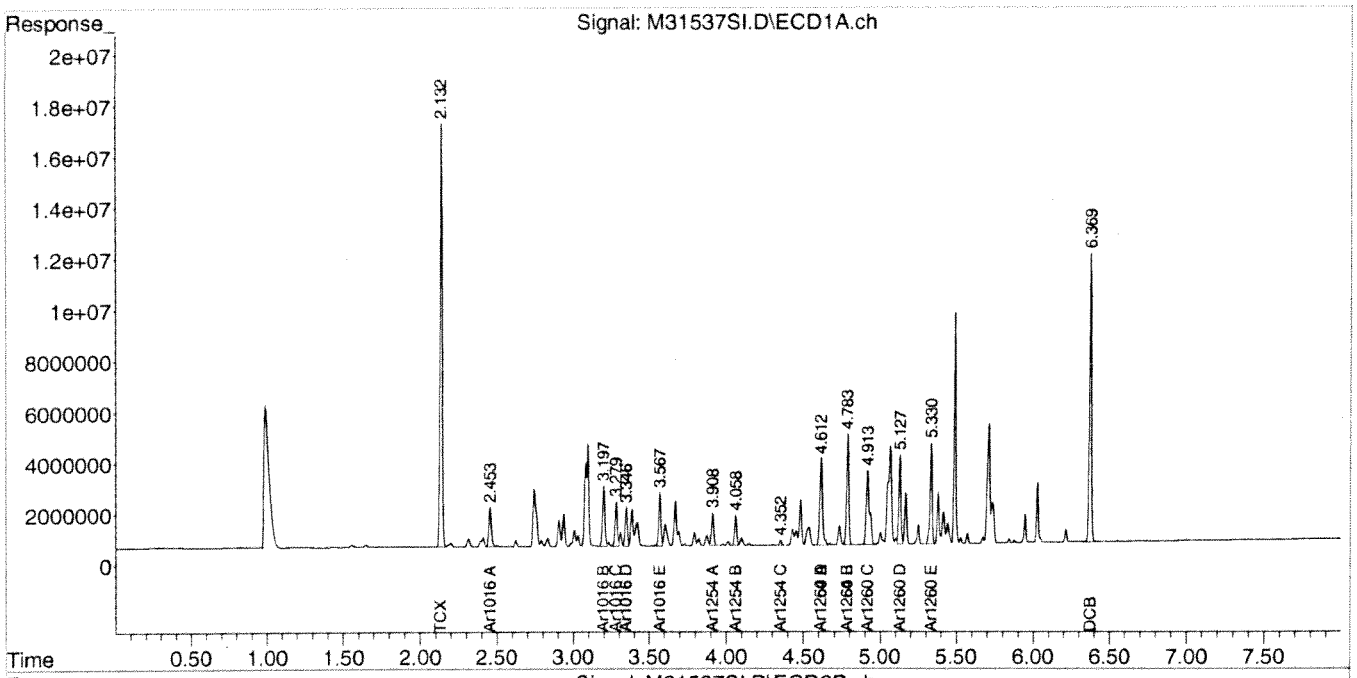
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

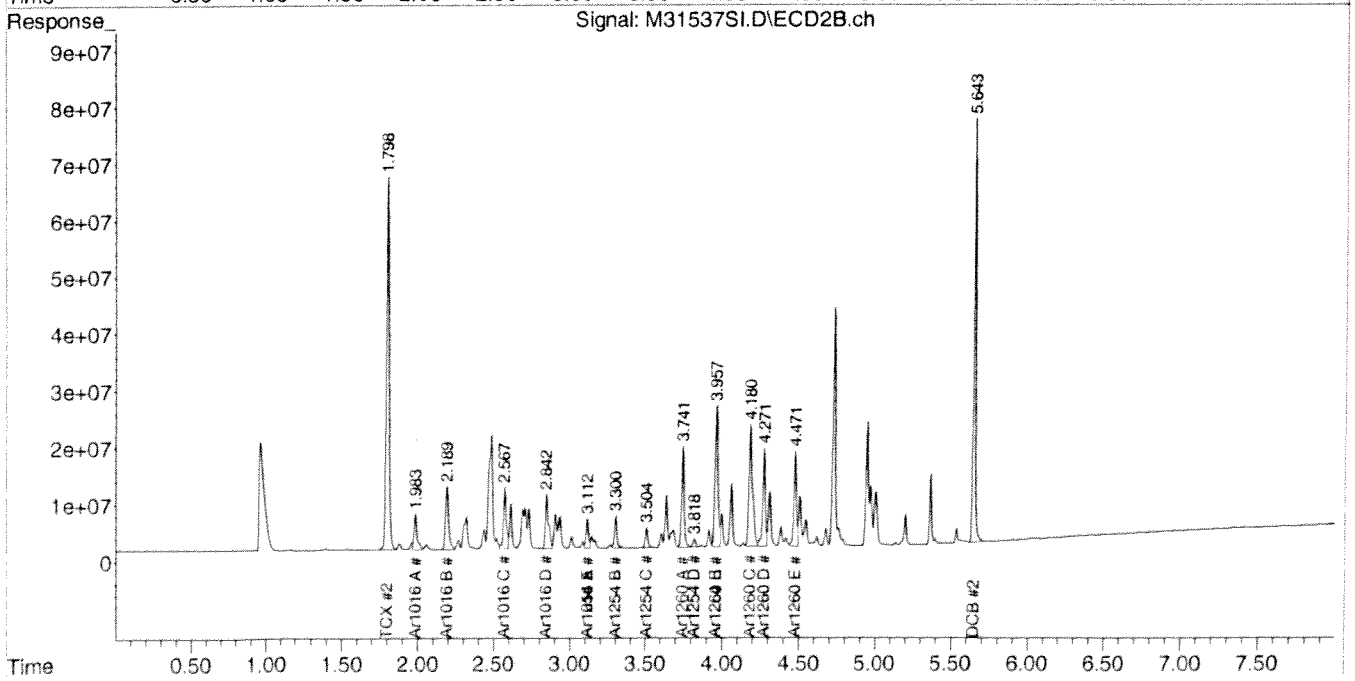
J101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31537SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:11 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:43 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31538SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:21 pm
Operator : JK
Sample : P5485 16/60 0.75 UG/ML
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:45 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10.12.10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
System Monitoring Compounds							
1) S TCX	2.134	1.801	264.5E6	1280.2E6	105.741	156.649	#
Spiked Amount	100.000	Range	46 - 122	Recovery	= 105.74%	156.65%#	
17) S DCB	6.370	5.644	160.9E6	1056.8E6	81.582	148.378	#
Spiked Amount	100.000	Range	40 - 135	Recovery	= 81.58%	148.38%#	
Target Compounds							
2) L1M Ar1016 A	2.455	1.986	24302878	149.1E6	0.444	0.741	#
3) L1M Ar1016 B	3.199	2.191	39702314	239.4E6	0.964	0.723	#
4) L1M Ar1016 C	3.281	2.568	25368481	209.2E6	0.271	0.816	#
5) L1M Ar1016 D	3.348	2.844	22143069	213.7E6	0.443	1.501	#
6) L1M Ar1016 E	3.568	3.113	31982007	86155187	0.537	0.582	
Sum Ar1016 A			143.5E6	897.5E6	2.659	4.364	
Average Ar1016 A					0.532	0.873	
7) L2M Ar1260 A	4.613	3.742	58885278	312.0E6	0.464	0.768	#
8) L2M Ar1260 B	4.783	3.957	68762176	485.3E6	0.457	0.667	#
9) L2M Ar1260 C	4.914	4.180	65984299	520.2E6	0.565	0.838	#
10) L2M Ar1260 D	5.127	4.271	53425974	329.9E6	0.455	0.921	#
11) L2M Ar1260 E	5.332	4.471	57668314	308.8E6	0.900	1.294	#
Sum Ar1260 A			304.7E6	1956.2E6	2.840	4.488	
Average Ar1260 A					0.568	0.898	
12) L3M Ar1254 A	3.910	3.113	20636656	86155187	0.275	0.330	
13) L3M Ar1254 B	4.059	3.301	18286547	104.9E6	0.117	0.392	#
14) L3M Ar1254 C	4.352	3.505	3154856	66761984	0.033	0.126	#
15) L3M Ar1254 D	4.613	3.819	58885278	28497779	0.639	0.076	#
16) L3M Ar1254 E	4.783	3.957	68762176	485.3E6	0.411	1.114	#
Sum Ar1254 A			169.7E6	771.6E6	1.475	2.038	
Average Ar1254 A					0.295	0.408	

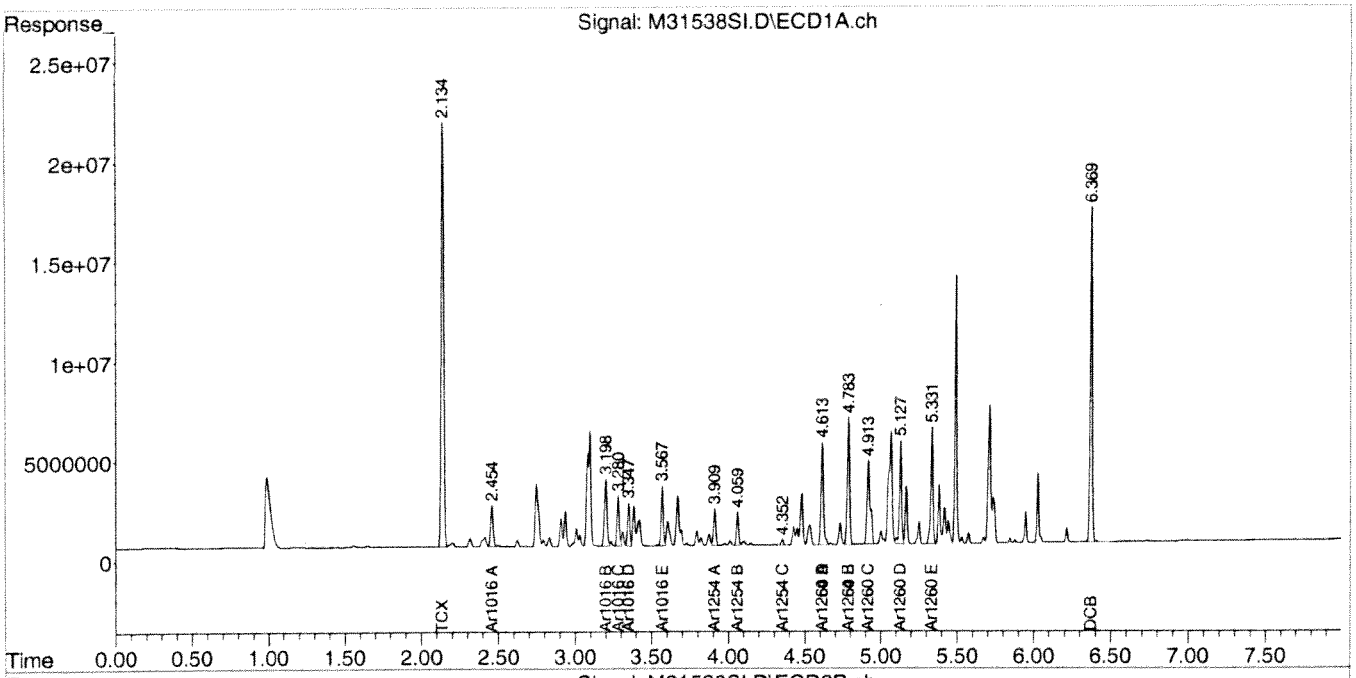
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

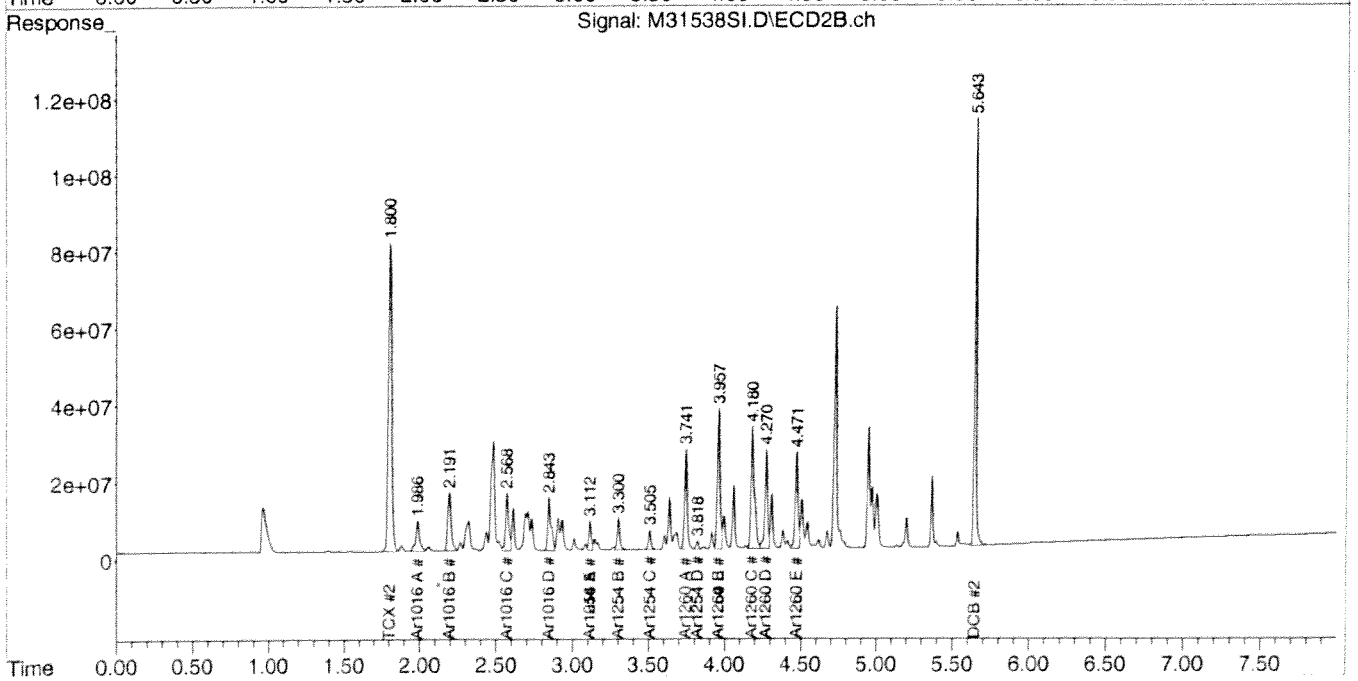
J101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31538SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:21 pm
Operator : JK
Sample : P5485 16/60 0.75 UG/ML
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:45 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31539SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:31 pm
Operator : JK
Sample : P5545 16/60 1.0 UG/ML
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:49:54 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10-12-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.133	1.799	355.7E6	1697.1E6	194.305	195.253
Spiked Amount	100.000	Range	46 - 122	Recovery	= 194.31%#	195.25%#
17) S DCB	6.370	5.643	212.7E6	1411.0E6	180.659	196.324
Spiked Amount	100.000	Range	40 - 135	Recovery	= 180.66%#	196.32%#
Target Compounds						
2) L1M Ar1016 A	2.454	1.984	31291306	174.0E6	1.015	0.995
3) L1M Ar1016 B	3.198	2.189	51782878	314.5E6	1.004	1.013
4) L1M Ar1016 C	3.280	2.567	33162504	278.0E6	1.003	1.008
5) L1M Ar1016 D	3.347	2.843	28691651	282.8E6	1.013	0.996
6) L1M Ar1016 E	3.567	3.112	41780127	113.1E6	1.004	1.001
Sum Ar1016 A			186.7E6	1162.3E6	5.039	5.013
Average Ar1016 A					1.008	1.003
7) L2M Ar1260 A	4.613	3.742	77385003	414.5E6	0.999	0.999
8) L2M Ar1260 B	4.783	3.957	90699258	646.6E6	0.995	1.001
9) L2M Ar1260 C	4.913	4.180	86487097	694.5E6	0.999	0.998
10) L2M Ar1260 D	5.127	4.271	67004709	440.2E6	0.994	0.998
11) L2M Ar1260 E	5.331	4.471	76037636	411.8E6	0.995	1.000
Sum Ar1260 A			397.6E6	2607.5E6	4.982	4.995
Average Ar1260 A					0.996	0.999
12) L3M Ar1254 A	3.909	3.112	26665867	113.1E6	0.400	0.417
13) L3M Ar1254 B	4.059	3.300	23632586	138.2E6	0.320	0.266
14) L3M Ar1254 C	4.352	3.505	4065520	87298532	0.068	0.280 #
15) L3M Ar1254 D	4.613	3.818	77385003	37545250	0.855	0.078 #
16) L3M Ar1254 E	4.783	3.957	90699258	646.6E6	1.696	1.514
Sum Ar1254 A			222.4E6	1022.7E6	3.338	2.554
Average Ar1254 A					0.668	0.511

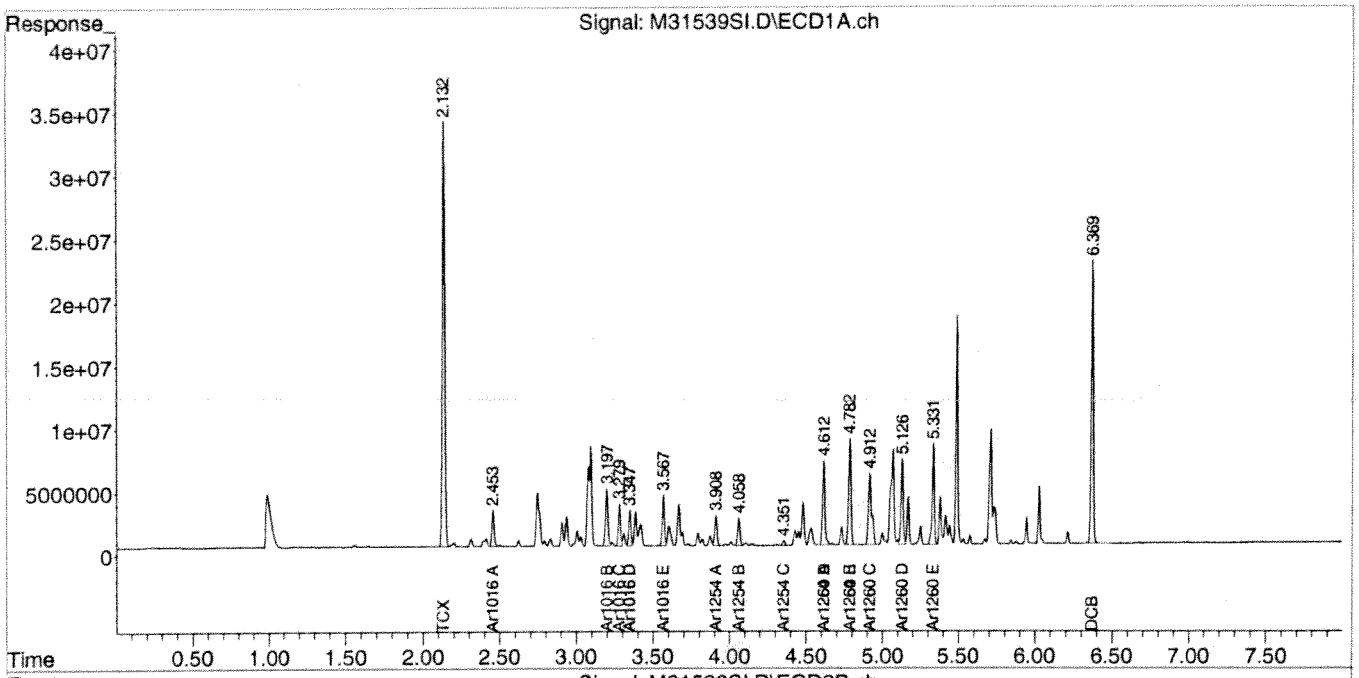
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

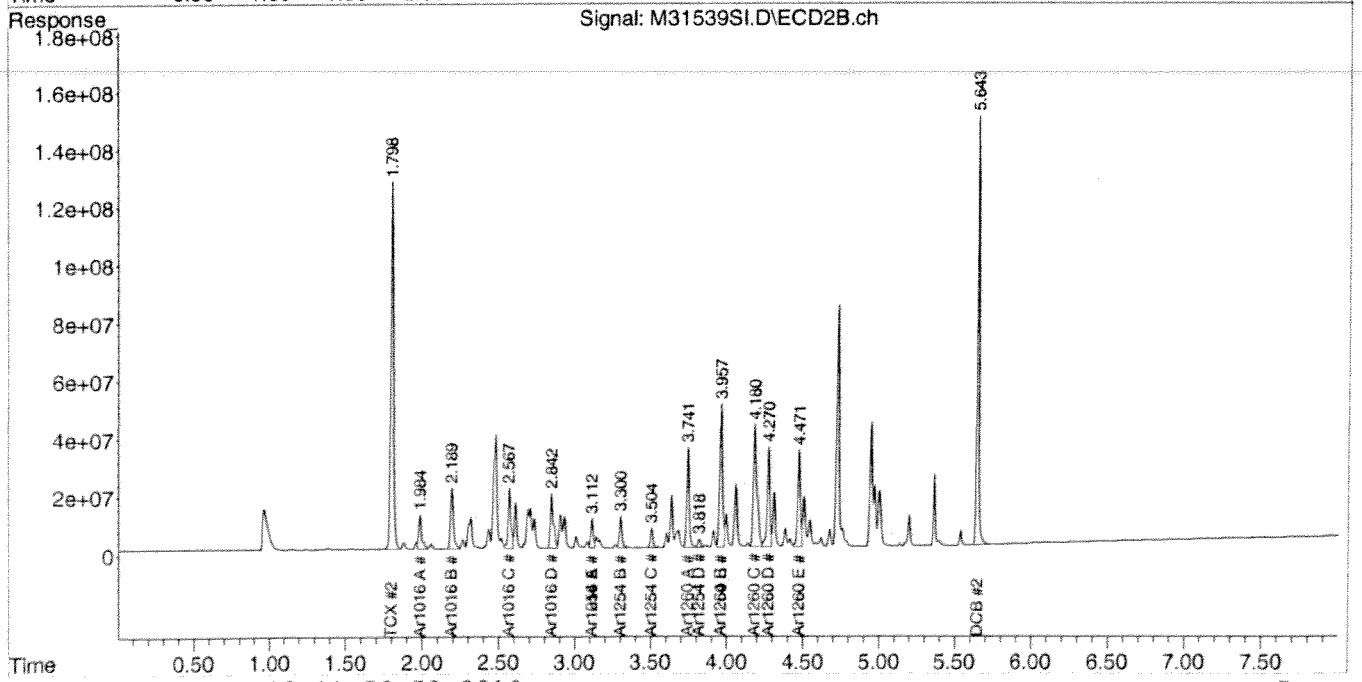
J101260

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31539SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:31 pm
Operator : JK
Sample : P5545 16/60 1.0 UG/ML
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:49:54 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31540SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:42 pm
Operator : JK
Sample : P5546 16/60 2.0 UG/ML
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:49 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.12.10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.133	1.800	724.8E6	3311.8E6	289.776	405.239 #
Spiked Amount	100.000	Range	46 - 122	Recovery	= 289.78%#	405.24%#
17) S DCB	6.369	5.644	430.6E6	2816.1E6	218.261	395.396 #
Spiked Amount	100.000	Range	40 - 135	Recovery	= 218.26%#	395.40%#
Target Compounds						
2) L1M Ar1016 A	2.454	1.985	59433834	335.6E6	1.085	1.668 #
3) L1M Ar1016 B	3.198	2.190	101.0E6	608.4E6	2.452	1.838 #
4) L1M Ar1016 C	3.279	2.567	64783187	545.4E6	0.692	2.127 #
5) L1M Ar1016 D	3.347	2.843	54820591	559.5E6	1.098	3.930 #
6) L1M Ar1016 E	3.567	3.112	81324901	222.9E6	1.367	1.507
Sum Ar1016 A			361.3E6	2271.8E6	6.693	11.070
Average Ar1016 A					1.339	2.214
7) L2M Ar1260 A	4.612	3.741	152.1E6	824.0E6	1.200	2.029 #
8) L2M Ar1260 B	4.782	3.957	179.9E6	1283.8E6	1.195	1.765 #
9) L2M Ar1260 C	4.913	4.180	170.0E6	1386.5E6	1.455	2.232 #
10) L2M Ar1260 D	5.127	4.270	131.9E6	879.8E6	1.123	2.457 #
11) L2M Ar1260 E	5.331	4.471	151.1E6	822.5E6	2.356	3.446 #
Sum Ar1260 A			785.0E6	5196.6E6	7.329	11.928
Average Ar1260 A					1.466	2.386
12) L3M Ar1254 A	3.909	3.112	51129597	222.9E6	0.682	0.854 #
13) L3M Ar1254 B	4.058	3.300	44811203	272.2E6	0.287	1.016 #
14) L3M Ar1254 C	4.352	3.505	7538252	170.6E6	0.079	0.323 #
15) L3M Ar1254 D	4.612	3.818	152.1E6	72665869	1.651	0.193 #
16) L3M Ar1254 E	4.782	3.957	179.9E6	1283.8E6	1.076	2.947 #
Sum Ar1254 A			435.6E6	2022.2E6	3.775	5.334
Average Ar1254 A					0.755	1.067

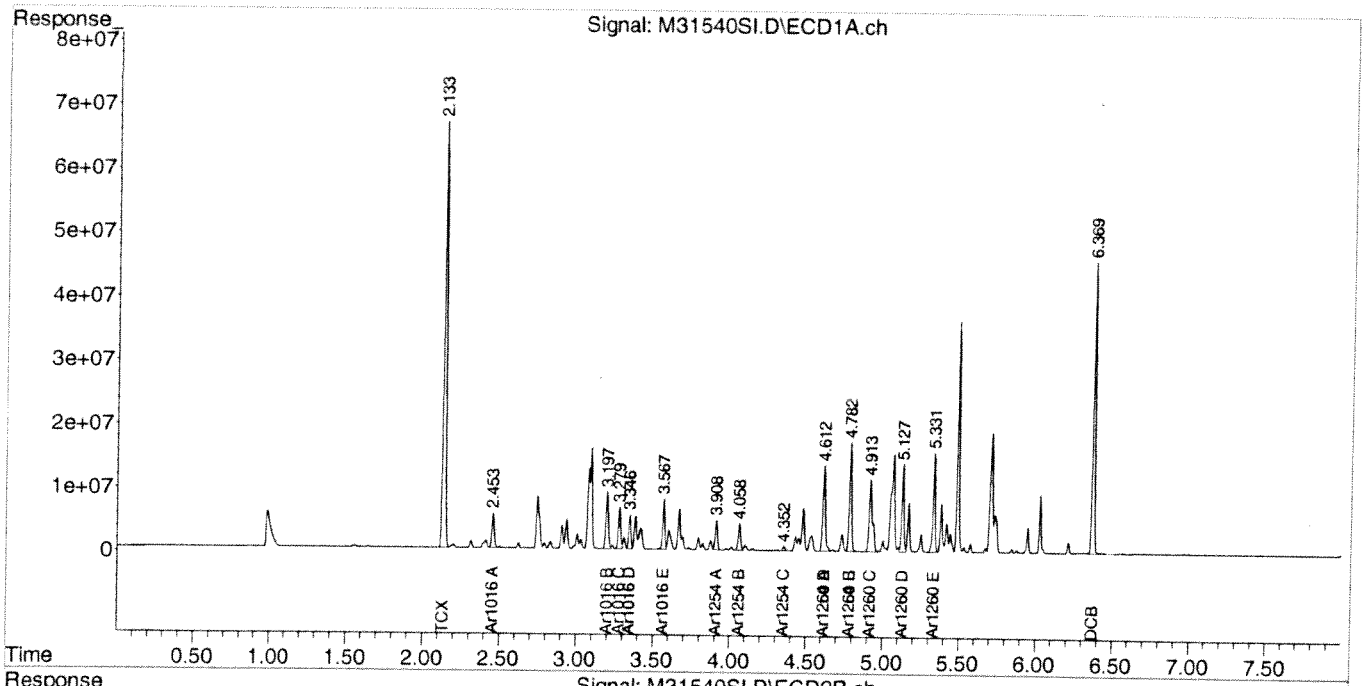
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

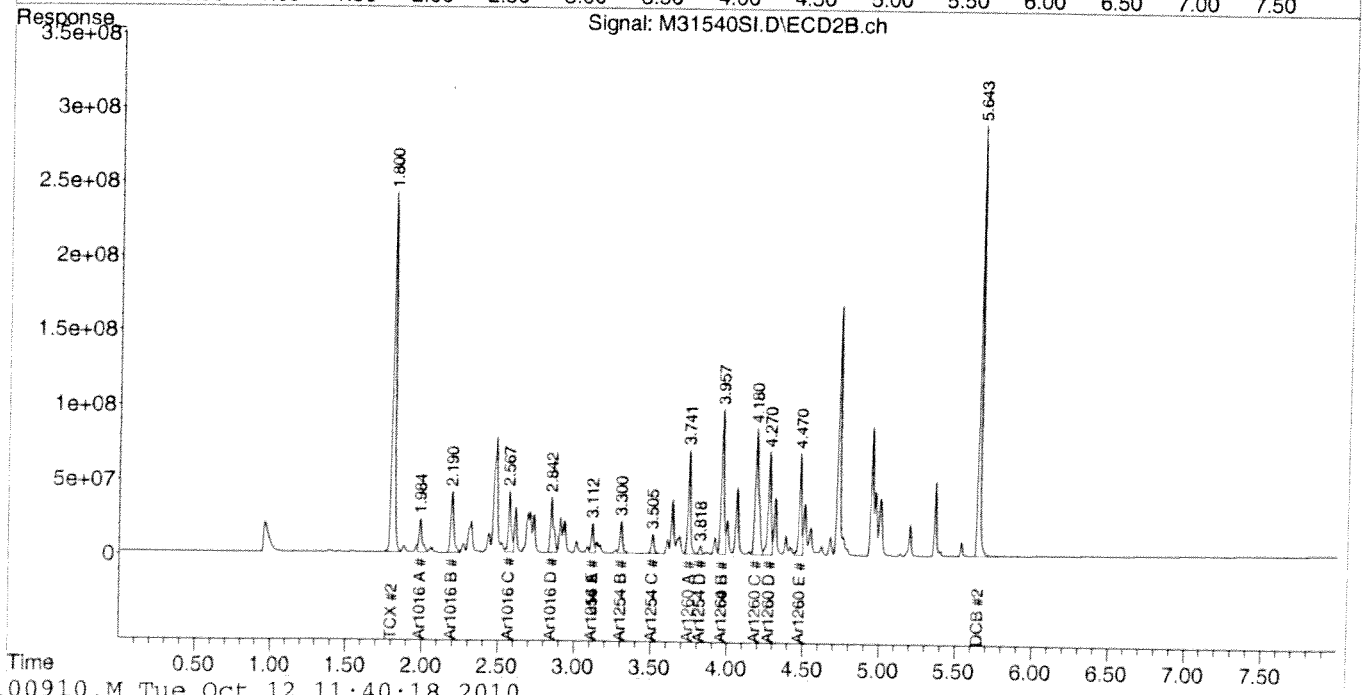
J101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31540SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:42 pm
Operator : JK
Sample : P5546 16/60 2.0 UG/ML
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:49 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB1660/1260

INITIAL CALIBRATION VERIFICATION

METHOD: C:\msdchem\1\METHODS\PCB100910.M

Data File Name M31541CC.D
Date Acquired 10/9/2010 13:52
Sample Name P5549 16/60 ICV 0.5 UG/ML

JL 10-12-10

Name	Amount	Recovery	80%-120% Recovery Pass	Name	Amount	Recovery	80%-120% Recovery Pass
TCX	91.66	92%	OK	TCX #2	95.20	95%	OK
Ar1016 A	0.50	99%	OK	Ar1016 A #2	0.48	95%	OK
Ar1016 B	0.52	105%	OK	Ar1016 B #2	0.49	99%	OK
Ar1016 C	0.50	100%	OK	Ar1016 C #2	0.48	96%	OK
Ar1016 D	0.51	102%	OK	Ar1016 D #2	0.49	98%	OK
Ar1016 E	0.50	100%	OK	Ar1016 E #2	0.60	120%	OK
	AVG	100%	OK		AVG	101%	OK
Ar1260 A	0.52	103%	OK	Ar1260 A #2	0.51	101%	OK
Ar1260 B	0.50	100%	OK	Ar1260 B #2	0.51	101%	OK
Ar1260 C	0.51	102%	OK	Ar1260 C #2	0.51	102%	OK
Ar1260 D	0.52	104%	OK	Ar1260 D #2	0.49	99%	OK
Ar1260 E	0.50	99%	OK	Ar1260 E #2	0.49	97%	OK
	AVG	102%	OK		AVG	100%	OK
DCB	93.23	93%	OK	DCB #2	101.40	101%	OK

101120

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31541CC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:52 pm
Operator : JK
Sample : P5549 16/60 ICV 0.5 UG/ML
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:36:36 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-12-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.132	1.799	167.8E6	827.5E6	91.664	95.203
Spiked Amount	100.000	Range	46 - 122	Recovery	= 91.66%	95.20%
17) S DCB	6.370	5.643	109.8E6	728.8E6	93.234	101.405
Spiked Amount	100.000	Range	40 - 135	Recovery	= 93.23%	101.41%
Target Compounds						
2) L1M Ar1016 A	2.454	1.984	16103130	87610744	0.496	0.477
3) L1M Ar1016 B	3.198	2.189	27845806	157.2E6	0.525	0.494
4) L1M Ar1016 C	3.279	2.567	17027902	134.3E6	0.500	0.479
5) L1M Ar1016 D	3.347	2.843	15035957	141.4E6	0.510	0.490
6) L1M Ar1016 E	3.567	3.112	21431994	68836237	0.498	0.601
Sum Ar1016 A			97444789	589.3E6	2.529	2.541
Average Ar1016 A					0.506	0.508
7) L2M Ar1260 A	4.612	3.741	41143319	212.3E6	0.516	0.505
8) L2M Ar1260 B	4.783	3.957	46738588	330.7E6	0.500	0.506
9) L2M Ar1260 C	4.913	4.180	45722032	359.1E6	0.512	0.511
10) L2M Ar1260 D	5.127	4.270	36028751	219.7E6	0.520	0.494
11) L2M Ar1260 E	5.331	4.471	38785528	201.2E6	0.496	0.486
Sum Ar1260 A			208.4E6	1323.0E6	2.544	2.502
Average Ar1260 A					0.509	0.500
12) L3M Ar1254 A	3.909	3.112	18407483	68836237	0.276	0.254
13) L3M Ar1254 B	4.059	3.300	14199566	86773809	0.192	0.167
14) L3M Ar1254 C	4.352	3.505	2961000	49317536	0.049	0.158 #
15) L3M Ar1254 D	4.612	3.818	41143319	24716405	0.455	0.051 #
16) L3M Ar1254 E	4.783	3.957	46738588	330.7E6	0.874	0.774
Sum Ar1254 A			123.4E6	560.4E6	1.846	1.404
Average Ar1254 A					0.369	0.281

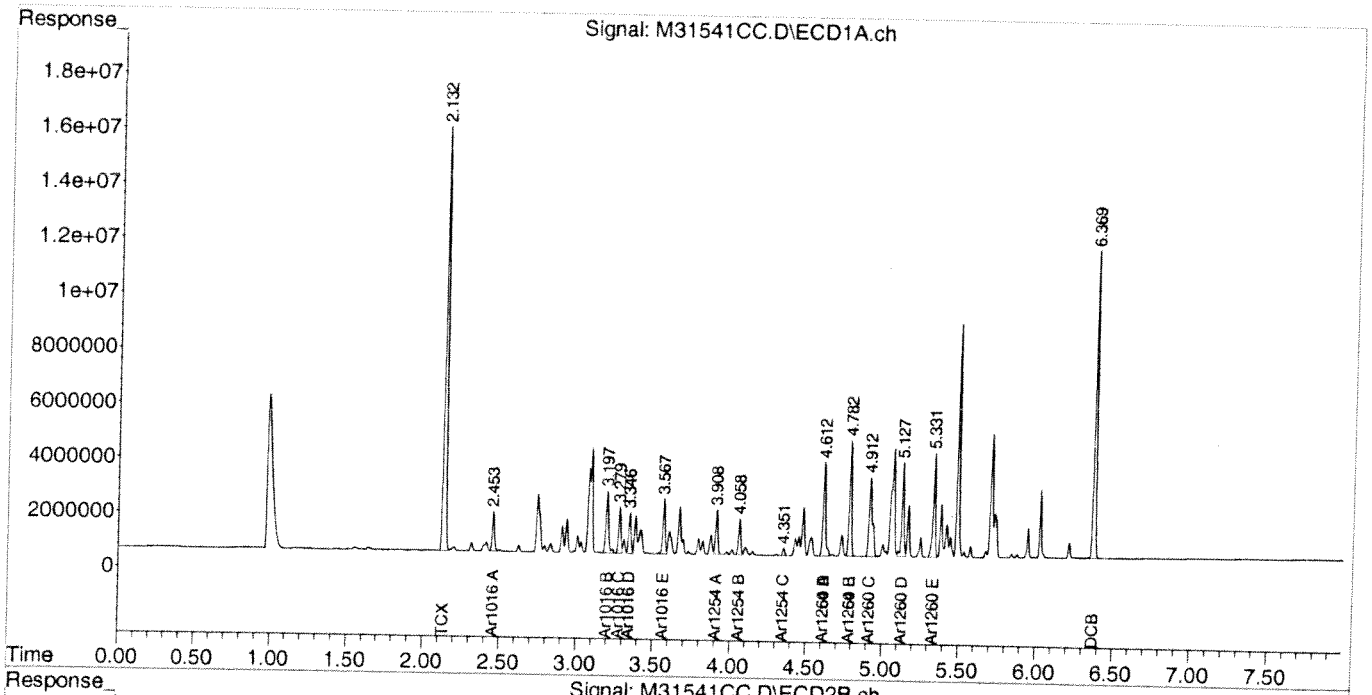
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

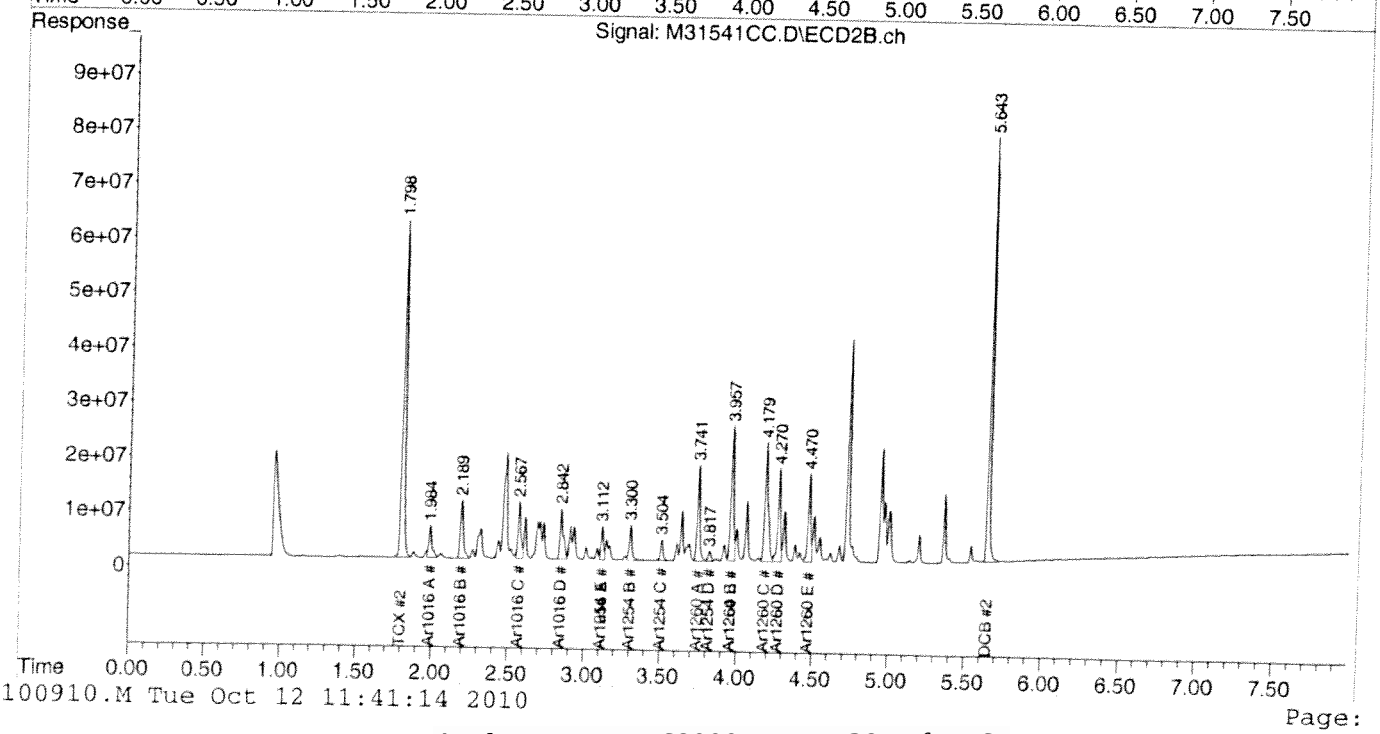
JL 101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31541CC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 1:52 pm
Operator : JK
Sample : P5549 16/60 ICV 0.5 UG/ML
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:36:36 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31542SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:02 pm
Operator : JK
Sample : P5489 AR 1254 0.0625 UG/ML
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:51 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.12.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.135	1.802	23177450	110.4E6	9.266	13.510 #
Spiked Amount	100.000 Range	46 - 122	Recovery	=	9.27%#	13.51%#
17) S DCB	6.370	5.643	17226546	99124123	8.732	13.917 #
Spiked Amount	100.000 Range	40 - 135	Recovery	=	8.73%#	13.92%#
Target Compounds						
2) L1M Ar1016 A	2.457	1.961	72815	93387	0.001	0.000 #
3) L1M Ar1016 B	3.193	2.193	181040	347621	0.004	0.001 #
4) L1M Ar1016 C	3.286	2.571	92414	230774	0.001	0.001
5) L1M Ar1016 D	3.348	2.844	2751134	7973243	0.055	0.056
6) L1M Ar1016 E	3.568	3.113	1781976	18577506	0.030	0.126 #
Sum Ar1016 A			4879377	27222531	0.092	0.184
Average Ar1016 A					0.018	0.037
7) L2M Ar1260 A	4.612	3.742	4317863	14298709	0.034	0.035
8) L2M Ar1260 B	4.783	3.959	4336303	29834961	0.029	0.041 #
9) L2M Ar1260 C	4.928	4.181	7649137	42392646	0.065	0.068
10) L2M Ar1260 D	5.140	4.269	1220012	2131747	0.010	0.006 #
11) L2M Ar1260 E	5.315	4.471	2640429	2472351	0.041	0.010 #
Sum Ar1260 A			20163744	91130413	0.180	0.161
Average Ar1260 A					0.036	0.032
12) L3M Ar1254 A	3.909	3.113	4974230	18577506	0.066	0.071
13) L3M Ar1254 B	4.059	3.301	5534768	35301786	0.035	0.132 #
14) L3M Ar1254 C	4.352	3.510	4390875	20838543	0.046	0.039
15) L3M Ar1254 D	4.638	3.816	6523999	32464110	0.071	0.086
16) L3M Ar1254 E	4.783	3.959	4336303	29834961	0.026	0.068 #
Sum Ar1254 A			25760175	137.0E6	0.244	0.397
Average Ar1254 A					0.049	0.079

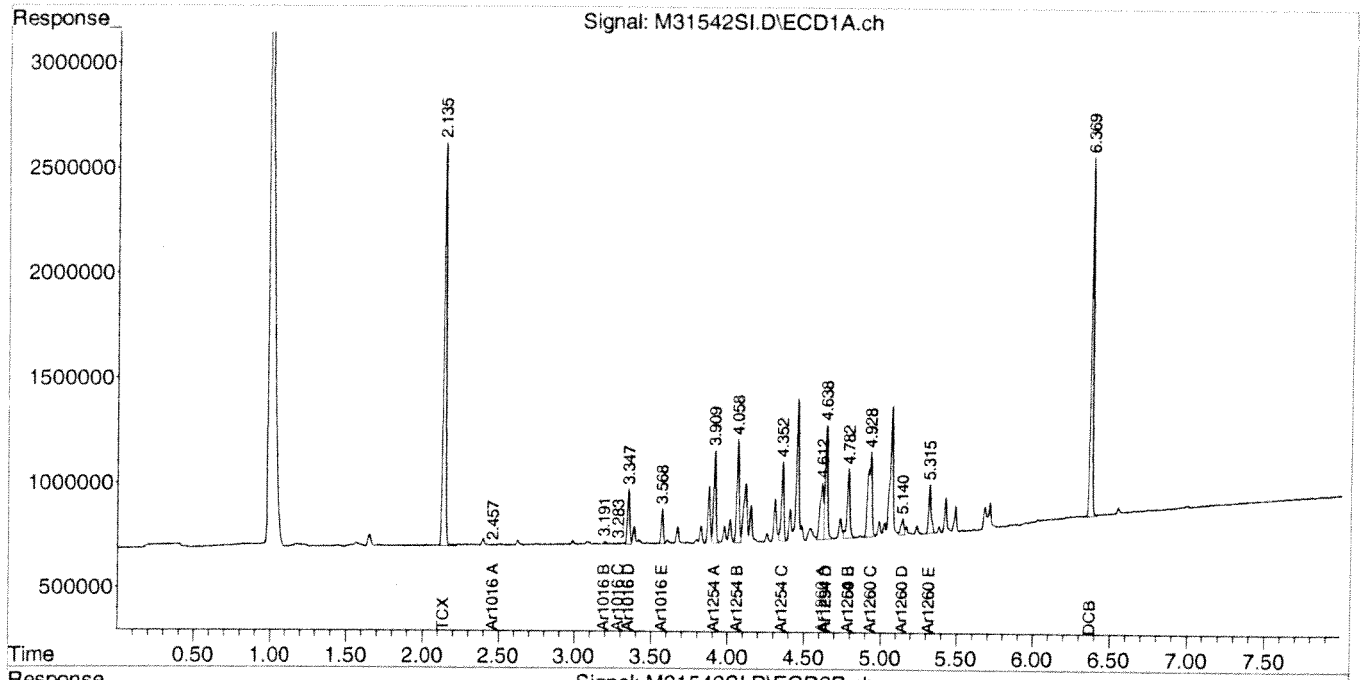
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

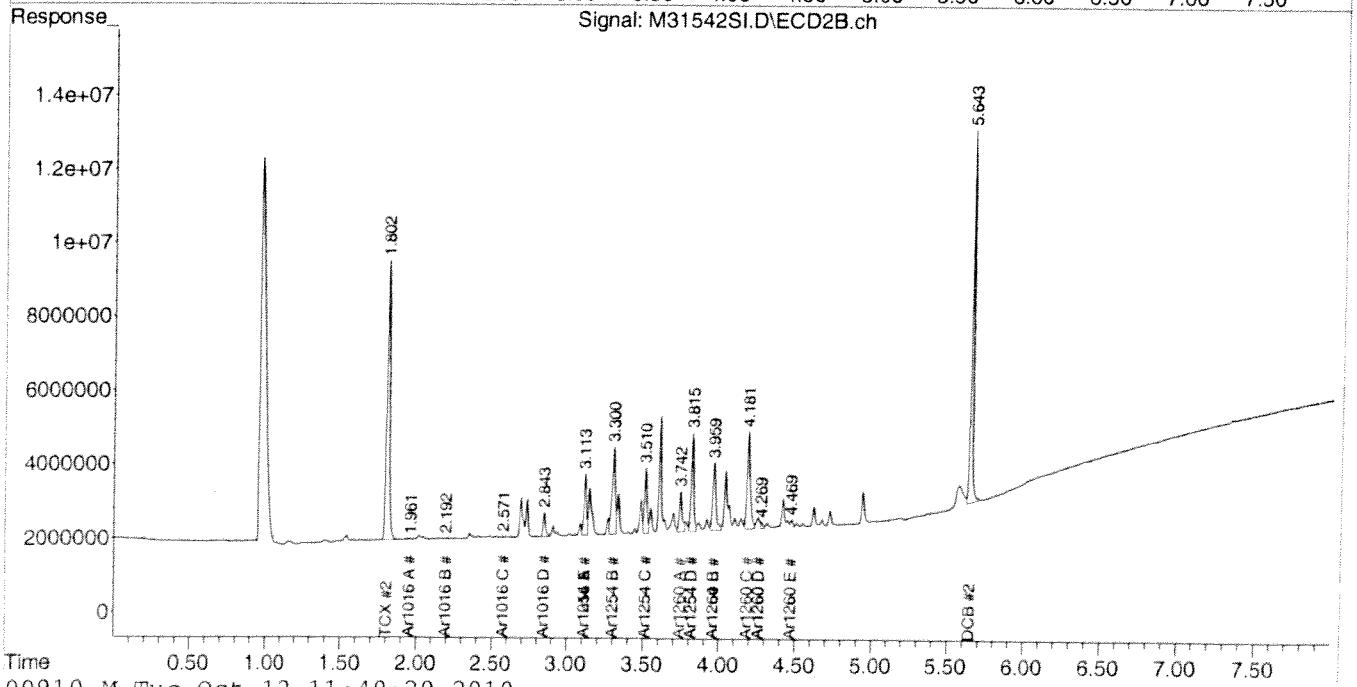
J101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31542SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:02 pm
Operator : JK
Sample : P5489 AR 1254 0.0625 UG/ML
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:51 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB
CONTINUING CALIBRATION

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5489 AR 1254 0.0625 UG/
Data File ID: M31542SI.D

Vh
10-12-10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.075	120		0.068	109	

Lower Limit	Upper Limit
70	130

Column to be used to Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: Repeated against acre 10/12/10

PCB FORM 7

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31542SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:02 pm
Operator : JK
Sample : P5489 AR 1254 0.0625 UG/ML
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:44:49 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.12.11

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.135	1.802	23177450	110.4E6	12.661	12.703
Spiked Amount	100.000	Range	46 - 122	Recovery	= 12.66%#	12.70%#
17) S DCB	6.370	5.643	17226546	99124123	14.634	13.792
Spiked Amount	100.000	Range	40 - 135	Recovery	= 14.63%#	13.79%#
Target Compounds						
2) L1M Ar1016 A	2.457	1.961	72815	93387	N.D.	N.D.
3) L1M Ar1016 B	3.193	2.193	181040	347621	N.D.	N.D.
4) L1M Ar1016 C	3.286	2.571	92414	230774	N.D.	N.D.
5) L1M Ar1016 D	3.348	2.844	2751134	7973243	0.056	0.013 #
6) L1M Ar1016 E	3.568	3.113	1781976	18577506	0.010	0.147 #
Sum Ar1016 A			4533110	26550749	N.D.	0.074
Average Ar1016 A					0.021	0.037
7) L2M Ar1260 A	4.612	3.742	4317863	14298709	0.026	0.021
8) L2M Ar1260 B	4.783	3.959	4336303	29834961	0.022	0.035 #
9) L2M Ar1260 C	4.928	4.181	7649137	42392646	0.058	0.051
10) L2M Ar1260 D	5.140	4.269	1220012	2131747	N.D.	N.D.
11) L2M Ar1260 E	5.315	4.471	2640429	2472351	0.012	0.002 #
Sum Ar1260 A			18943732	88998666	0.105	0.106
Average Ar1260 A					0.026	0.026
12) L3M Ar1254 A	3.909	3.113	4974230	18577506	0.075	0.069
13) L3M Ar1254 B	4.059	3.301	5534768	35301786	0.075	0.068
14) L3M Ar1254 C	4.352	3.510	4390875	20838543	0.073	0.067
15) L3M Ar1254 D	4.638	3.816	6523999	32464110	0.072	0.067
16) L3M Ar1254 E	4.783	3.959	4336303	29834961	0.081	0.070
Sum Ar1254 A			25760175	137.0E6	0.376	0.340
Average Ar1254 A					0.075	0.068

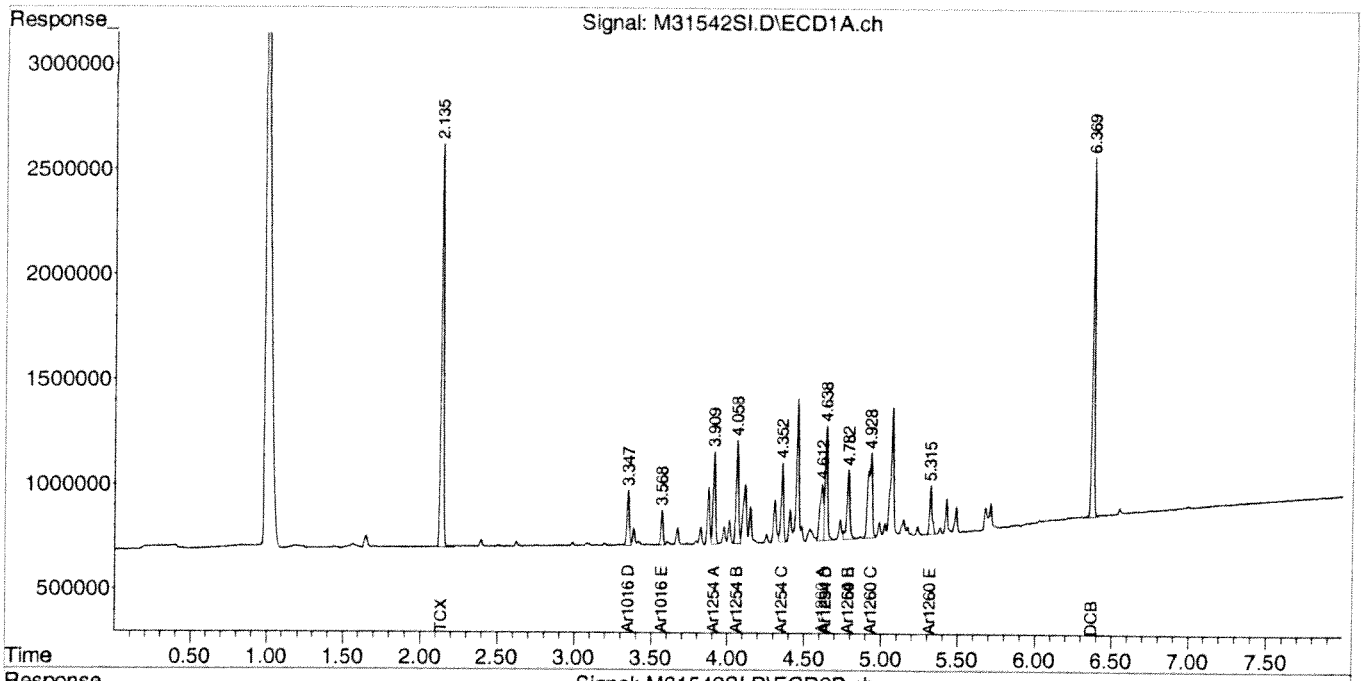
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

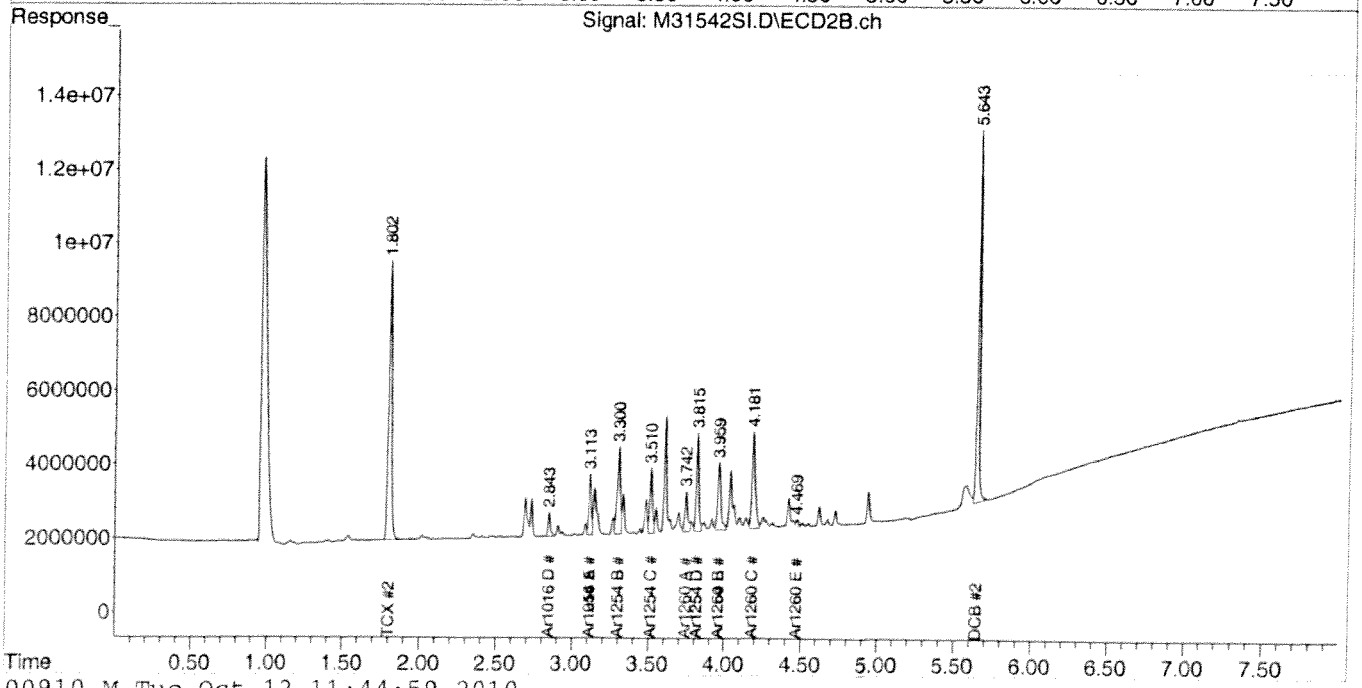
J 101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31542SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:02 pm
Operator : JK
Sample : P5489 AR 1254 0.0625 UG/ML
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:44:49 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31543SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:12 pm
Operator : JK
Sample : P5490 AR 1254 0.125 UG/ML
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:53 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10.12.1.

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.136	1.803	44395036	216.3E6	17.748	26.465 #
Spiked Amount	100.000 Range	46 - 122	Recovery	=	17.75%#	26.47%#
17) S DCB	6.370	5.643	31061006	188.6E6	15.745	26.474 #
Spiked Amount	100.000 Range	40 - 135	Recovery	=	15.74%#	26.47%#
Target Compounds						
2) L1M Ar1016 A	2.459	2.015	107833	3119526	0.002	0.016 #
3) L1M Ar1016 B	3.193	2.190	232773	421397	0.006	0.001 #
4) L1M Ar1016 C	3.281	2.586	83058	559082	0.001	0.002 #
5) L1M Ar1016 D	3.348	2.844	4943601	14971995	0.099	0.105
6) L1M Ar1016 E	3.568	3.113	3143201	35024192	0.053	0.237 #
Sum Ar1016 A			8510467	54096192	0.160	0.361
Average Ar1016 A					0.032	0.072
7) L2M Ar1260 A	4.612	3.742	7900091	26907537	0.062	0.066
8) L2M Ar1260 B	4.783	3.960	7306157	55344836	0.049	0.076 #
9) L2M Ar1260 C	4.928	4.181	13746123	79687717	0.118	0.128
10) L2M Ar1260 D	5.140	4.269	2135498	3289103	0.018	0.009 #
11) L2M Ar1260 E	5.315	4.471	4812872	4287414	0.075	0.018 #
Sum Ar1260 A			35900742	169.5E6	0.322	0.298
Average Ar1260 A					0.064	0.060
12) L3M Ar1254 A	3.909	3.113	8851719	35024192	0.118	0.134
13) L3M Ar1254 B	4.059	3.300	9889575	66794139	0.063	0.249 #
14) L3M Ar1254 C	4.352	3.510	7947238	39595292	0.083	0.075
15) L3M Ar1254 D	4.638	3.816	12009851	61664916	0.130	0.164 #
16) L3M Ar1254 E	4.783	3.960	7306157	55344836	0.044	0.127 #
Sum Ar1254 A			46004541	258.4E6	0.438	0.750
Average Ar1254 A					0.088	0.150

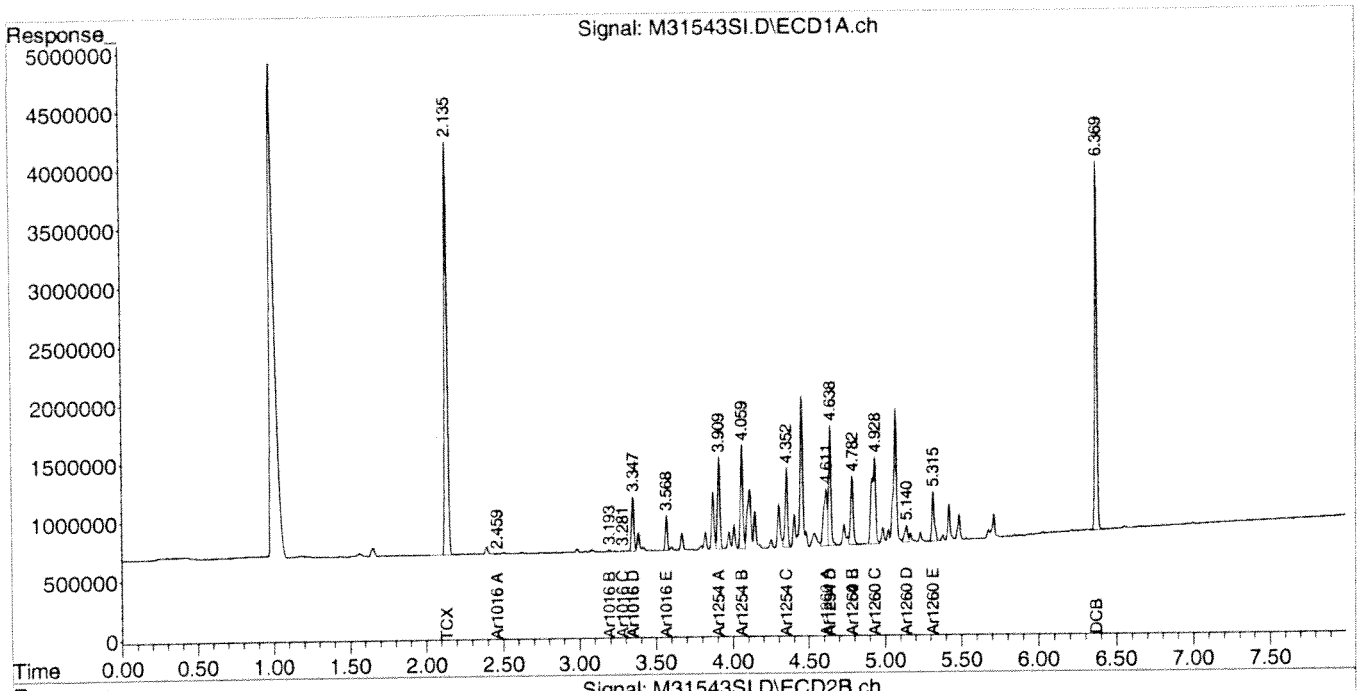
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

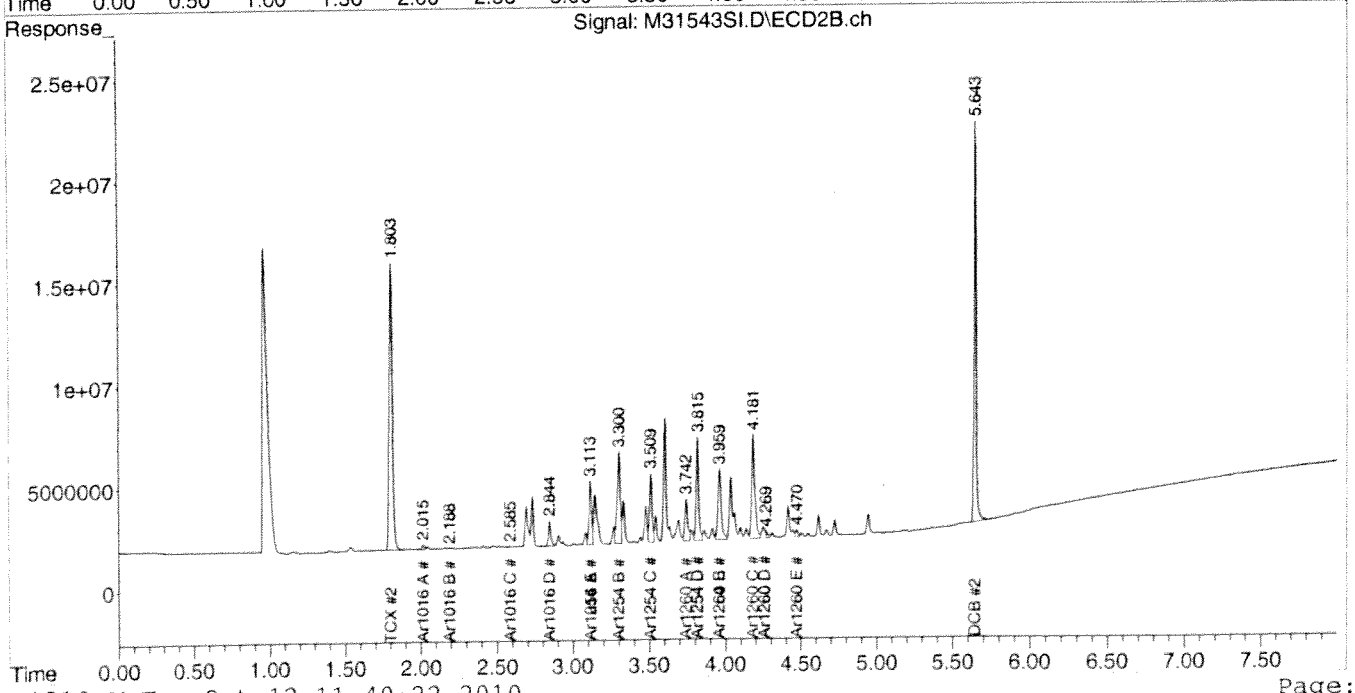
2101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31543SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:12 pm
Operator : JK
Sample : P5490 AR 1254 0.125 UG/ML
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:53 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31544SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:23 pm
Operator : JK
Sample : P5491 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:55 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.12.1.

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.136	1.803	88303432	436.9E6	35.302	53.464 #
Spiked Amount	100.000	Range	46 - 122	Recovery	= 35.30%#	53.46%
17) S DCB	6.370	5.643	59906507	383.6E6	30.366	53.855 #
Spiked Amount	100.000	Range	40 - 135	Recovery	= 30.37%#	53.85%
Target Compounds						
2) L1M Ar1016 A	2.462	2.015	247898	6379228	0.005	0.032 #
3) L1M Ar1016 B	3.194	2.192	467001	1105270	0.011	0.003 #
4) L1M Ar1016 C	3.282	2.571	132605	630022	0.001	0.002 #
5) L1M Ar1016 D	3.348	2.844	9150500	29579633	0.183	0.208
6) L1M Ar1016 E	3.568	3.113	5924530	68324511	0.100	0.462 #
Sum Ar1016 A			15922536	106.0E6	0.300	0.707
Average Ar1016 A					0.060	0.141
7) L2M Ar1260 A	4.612	3.742	14624569	52731904	0.115	0.130
8) L2M Ar1260 B	4.783	3.959	13353604	107.0E6	0.089	0.147 #
9) L2M Ar1260 C	4.928	4.181	26086909	155.5E6	0.223	0.250
10) L2M Ar1260 D	5.141	4.269	3737801	6028988	0.032	0.017 #
11) L2M Ar1260 E	5.316	4.471	9052287	8374458	0.141	0.035 #
Sum Ar1260 A			66855170	329.6E6	0.600	0.579
Average Ar1260 A					0.120	0.116
12) L3M Ar1254 A	3.910	3.113	16912317	68324511	0.225	0.262
13) L3M Ar1254 B	4.060	3.301	18669862	130.8E6	0.120	0.488 #
14) L3M Ar1254 C	4.353	3.510	15282318	78272710	0.159	0.148
15) L3M Ar1254 D	4.638	3.816	22759411	121.4E6	0.247	0.323 #
16) L3M Ar1254 E	4.783	3.959	13353604	107.0E6	0.080	0.246 #
Sum Ar1254 A			86977512	505.7E6	0.831	1.467
Average Ar1254 A					0.166	0.293

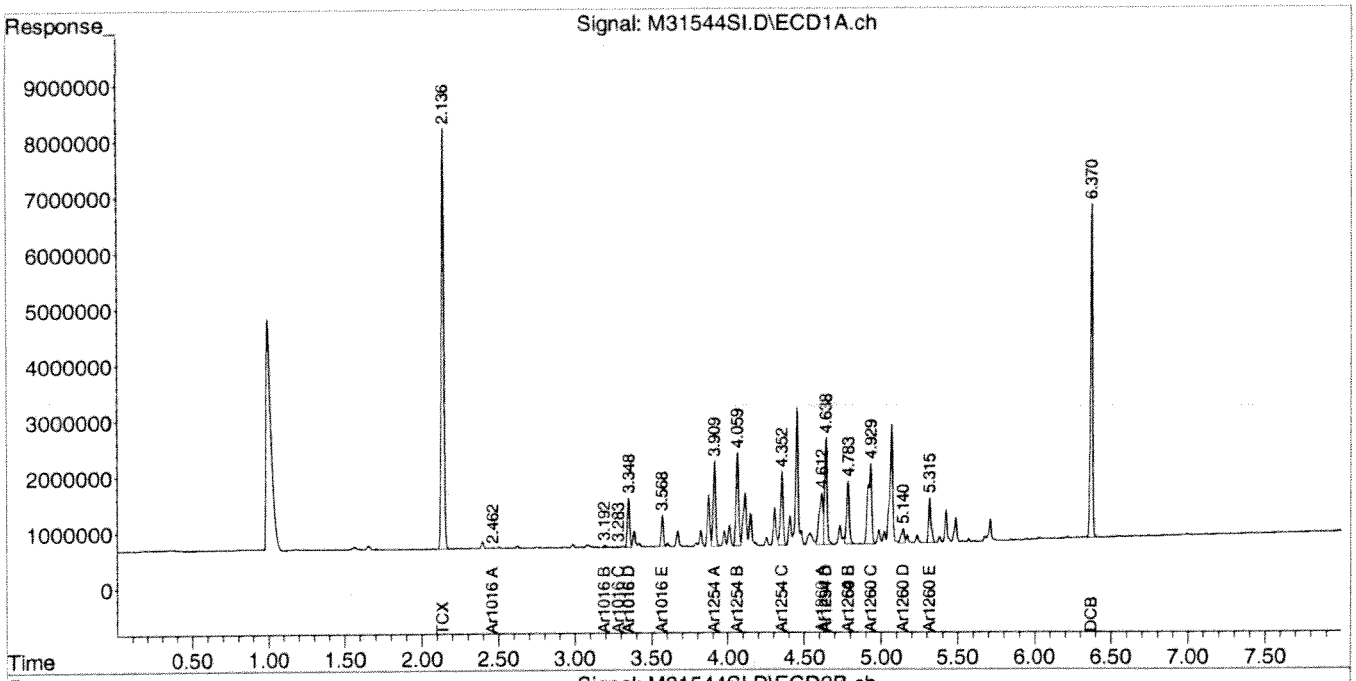
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

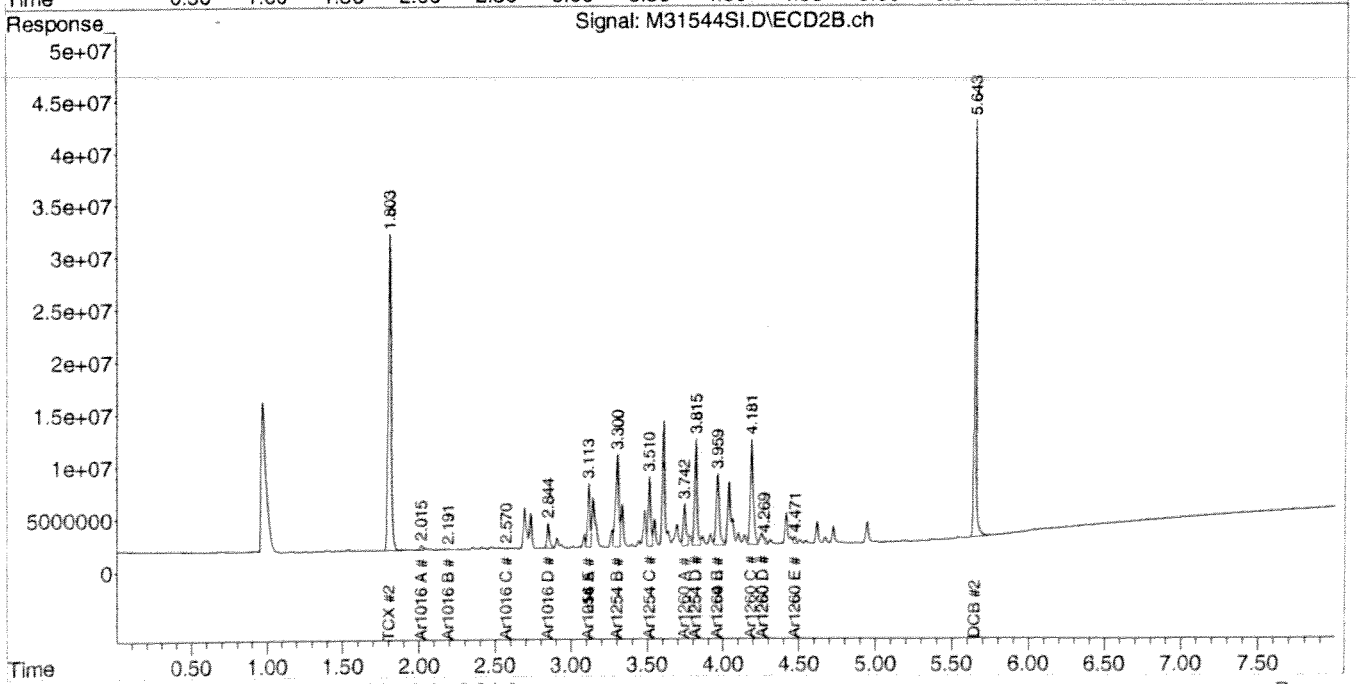
3101200

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31544SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:23 pm
Operator : JK
Sample : P5491 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:55 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31545SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:33 pm
Operator : JK
Sample : P5552 AR 1254 0.5 UG/ML
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Ok 10.12.10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
System Monitoring Compounds							
1) S TCX	2.134	1.801	180.9E6	883.7E6	72.318	108.127	#
Spiked Amount 100.000 Range 46 - 122 Recovery = 72.32% 108.13%							
17) S DCB	6.370	5.643	117.5E6	786.8E6	59.537	110.467	#
Spiked Amount 100.000 Range 40 - 135 Recovery = 59.54% 110.47%							
Target Compounds							
2) L1M Ar1016 A	2.457	2.013	356351	12016451	0.007	0.060	#
3) L1M Ar1016 B	3.192	2.190	767762	1589354	0.019	0.005	#
4) L1M Ar1016 C	3.281	2.568	181203	840087	0.002	0.003	#
5) L1M Ar1016 D	3.348	2.843	17188129	56963932	0.344	0.400	
6) L1M Ar1016 E	3.568	3.113	11038799	133.3E6	0.186	0.901	#
Sum Ar1016 A			29532244	204.7E6	0.557	1.369	
Average Ar1016 A					0.111	0.274	
7) L2M Ar1260 A	4.611	3.742	27745037	103.4E6	0.219	0.255	
8) L2M Ar1260 B	4.783	3.959	24995480	209.2E6	0.166	0.288	#
9) L2M Ar1260 C	4.928	4.181	49587837	306.5E6	0.424	0.494	
10) L2M Ar1260 D	5.141	4.249	6768071	41603523	0.058	0.116	#
11) L2M Ar1260 E	5.315	4.471	17030773	16199822	0.266	0.068	#
Sum Ar1260 A			126.1E6	677.0E6	1.133	1.220	
Average Ar1260 A					0.227	0.244	
12) L3M Ar1254 A	3.909	3.113	31957350	133.3E6	0.426	0.511	
13) L3M Ar1254 B	4.059	3.300	35201326	256.8E6	0.225	0.958	#
14) L3M Ar1254 C	4.352	3.510	29108372	155.0E6	0.304	0.293	
15) L3M Ar1254 D	4.638	3.815	43728855	240.0E6	0.475	0.639	#
16) L3M Ar1254 E	4.783	3.959	24995480	209.2E6	0.150	0.480	#
Sum Ar1254 A			165.0E6	994.4E6	1.579	2.882	
Average Ar1254 A					0.316	0.576	

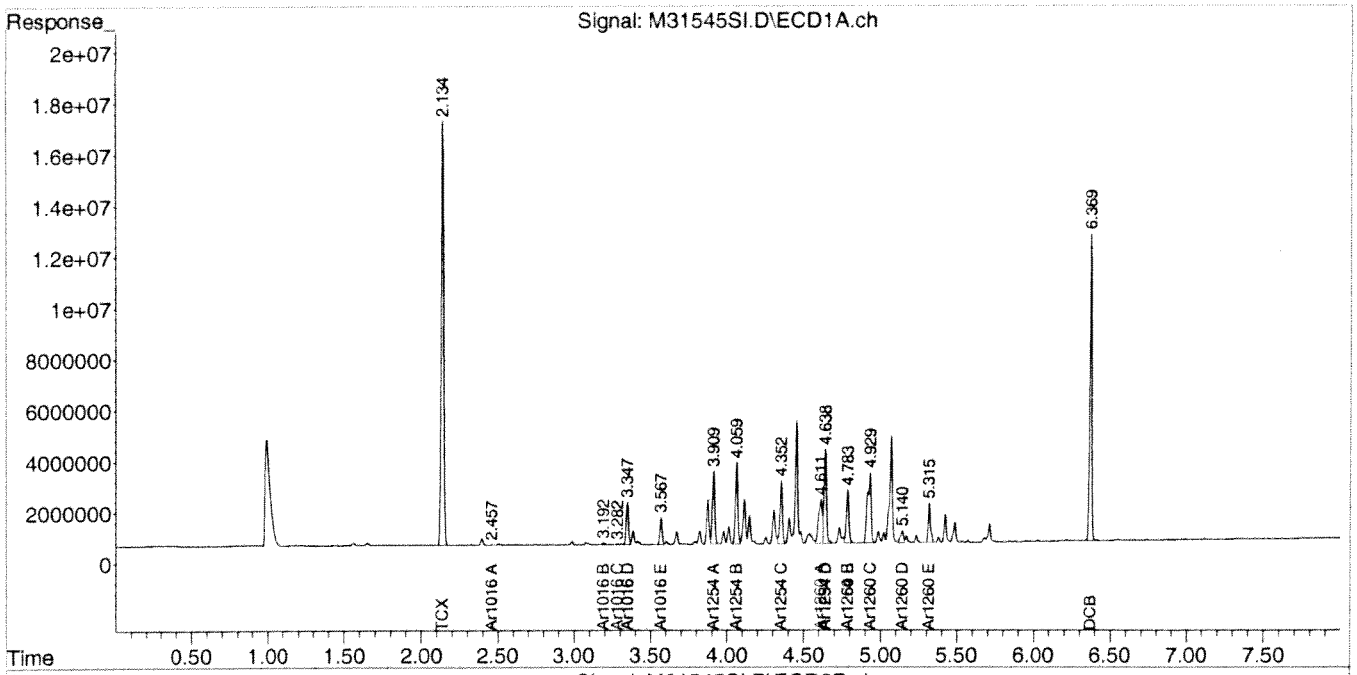
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

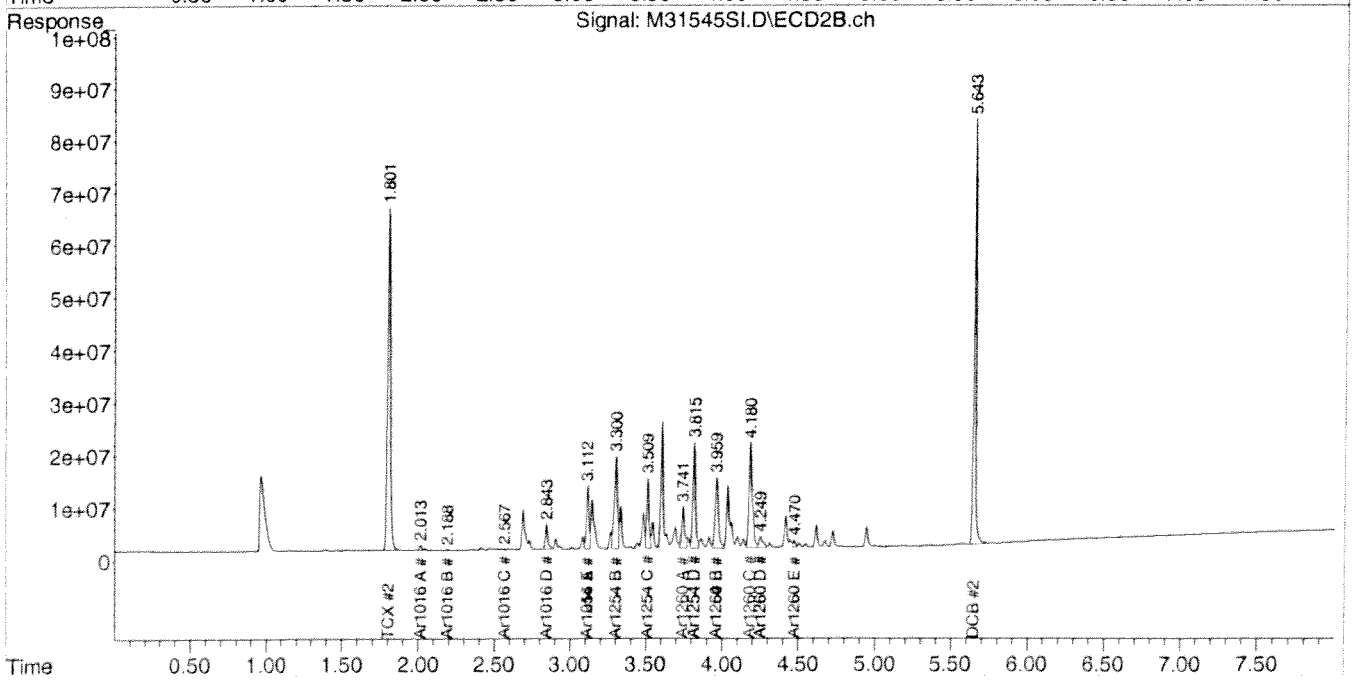
J101200

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31545SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:33 pm
Operator : JK
Sample : P5552 AR 1254 0.5 UG/ML
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31546SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:43 pm
Operator : JK
Sample : P5495 AR 1254 1.0 UG/ML
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:59 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-12-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
System Monitoring Compounds							
1) S TCX	2.134	1.800	352.0E6	1680.7E6	140.718	205.648	#
Spiked Amount	100.000	Range	46 - 122	Recovery	= 140.72%#	205.65%#	
17) S DCB	6.370	5.644	222.2E6	1497.8E6	112.626	210.298	#
Spiked Amount	100.000	Range	40 - 135	Recovery	= 112.63%	210.30%#	
Target Compounds							
2) L1M Ar1016 A	2.455	1.985	372830	880907	0.007	0.004	#
3) L1M Ar1016 B	3.192	2.189	1329169	2595269	0.032	0.008	#
4) L1M Ar1016 C	3.280	2.569	279537	1348641	0.003	0.005	#
5) L1M Ar1016 D	3.347	2.843	30696283	105.5E6	0.615	0.741	
6) L1M Ar1016 E	3.567	3.113	19769643	249.7E6	0.332	1.688	#
Sum Ar1016 A			52447462	360.0E6	0.989	2.447	
Average Ar1016 A					0.198	0.489	
7) L2M Ar1260 A	4.612	3.742	49996480	192.7E6	0.394	0.475	
8) L2M Ar1260 B	4.783	3.959	44640269	390.1E6	0.296	0.536	#
9) L2M Ar1260 C	4.928	4.181	91053229	578.2E6	0.779	0.931	
10) L2M Ar1260 D	5.141	4.249	11579297	76280155	0.099	0.213	#
11) L2M Ar1260 E	5.315	4.471	30534513	29941289	0.476	0.125	#
Sum Ar1260 A			227.8E6	1267.2E6	2.045	2.280	
Average Ar1260 A					0.409	0.456	
12) L3M Ar1254 A	3.909	3.113	58265142	249.7E6	0.777	0.957	
13) L3M Ar1254 B	4.059	3.300	64148743	482.7E6	0.411	1.801	#
14) L3M Ar1254 C	4.352	3.510	53183109	292.4E6	0.555	0.553	
15) L3M Ar1254 D	4.638	3.816	80276950	452.1E6	0.871	1.204	#
16) L3M Ar1254 E	4.783	3.959	44640269	390.1E6	0.267	0.896	#
Sum Ar1254 A			300.5E6	1867.0E6	2.880	5.410	
Average Ar1254 A					0.576	1.082	

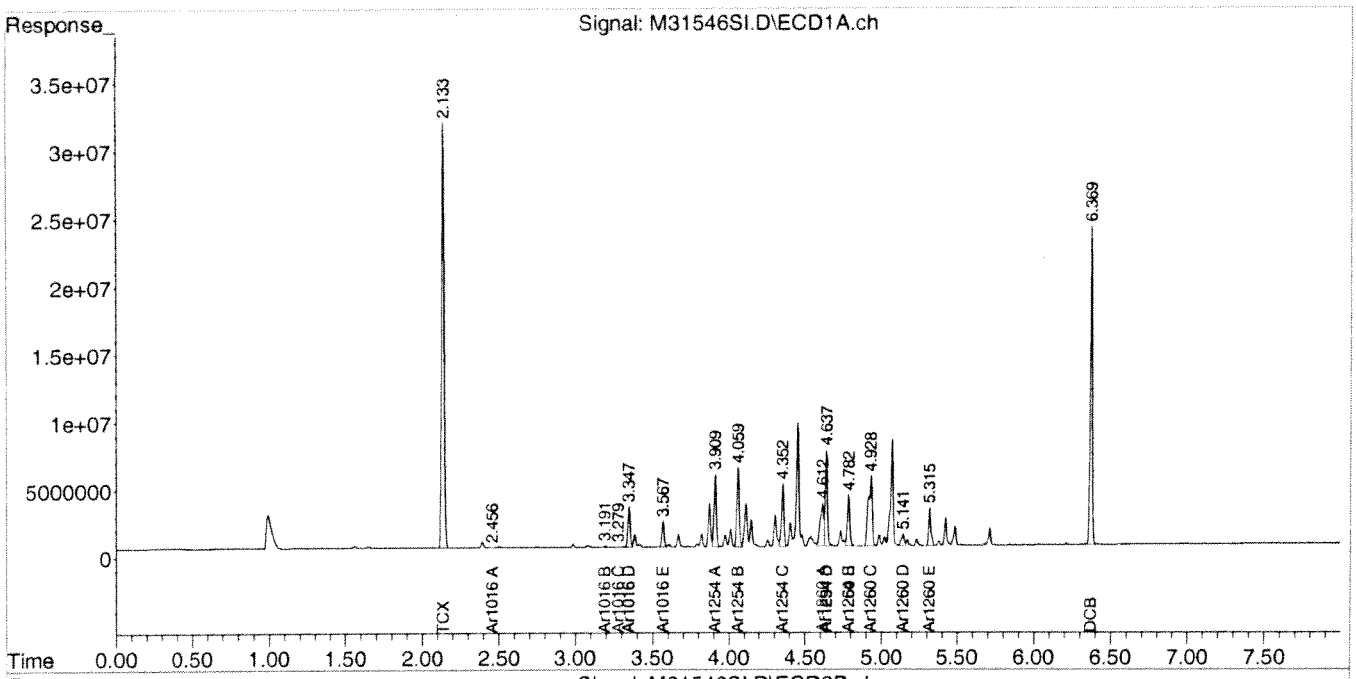
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

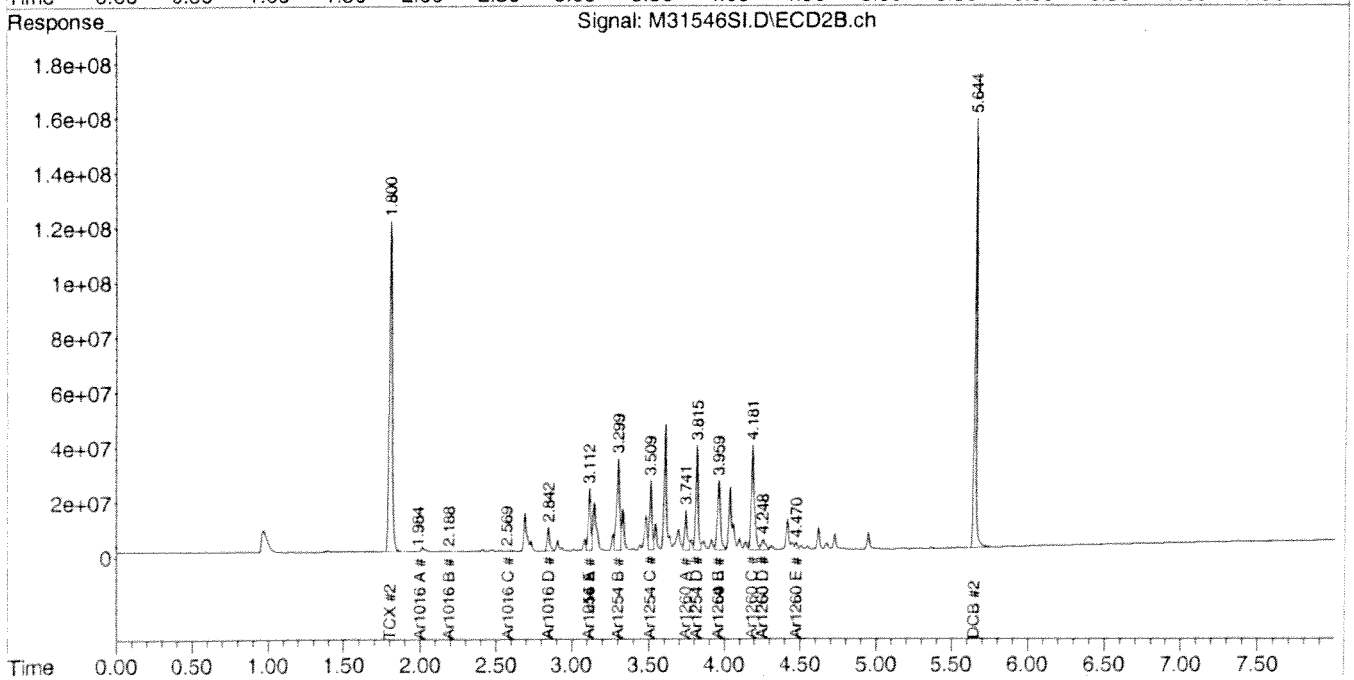
101210

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31546SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:43 pm
Operator : JK
Sample : P5495 AR 1254 1.0 UG/ML
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:22:59 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31547SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:54 pm
Operator : JK
Sample : P5496 AR 1254 2.0 UG/ML
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:23:01 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.12.10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.133	1.799	755.7E6	3437.4E6	302.108	420.608 #
Spiked Amount	100.000	Range	46 - 122	Recovery	= 302.11%#	420.61%#
17) S DCB	6.370	5.644	473.9E6	3125.8E6	240.205	438.875 #
Spiked Amount	100.000	Range	40 - 135	Recovery	= 240.21%#	438.88%#
Target Compounds						
2) L1M Ar1016 A	2.454	1.985	787160	1805175	0.014	0.009 #
3) L1M Ar1016 B	3.192	2.188	2688925	5072841	0.065	0.015 #
4) L1M Ar1016 C	3.280	2.568	585286	2640176	0.006	0.010 #
5) L1M Ar1016 D	3.347	2.842	61460134	216.0E6	1.230	1.517
6) L1M Ar1016 E	3.567	3.112	39167264	517.5E6	0.658	3.499 #
Sum Ar1016 A			104.7E6	743.0E6	1.975	5.051
Average Ar1016 A					0.395	1.010
7) L2M Ar1260 A	4.611	3.741	101.2E6	399.1E6	0.799	0.983
8) L2M Ar1260 B	4.783	3.959	90171607	812.2E6	0.599	1.116 #
9) L2M Ar1260 C	4.928	4.181	189.4E6	1208.7E6	1.621	1.946
10) L2M Ar1260 D	5.140	4.249	22918739	158.2E6	0.195	0.442 #
11) L2M Ar1260 E	5.315	4.471	61713221	62110848	0.963	0.260 #
Sum Ar1260 A			465.4E6	2640.3E6	4.176	4.747
Average Ar1260 A					0.835	0.949
12) L3M Ar1254 A	3.909	3.112	119.8E6	517.5E6	1.598	1.983
13) L3M Ar1254 B	4.059	3.300	132.1E6	1003.9E6	0.846	3.746 #
14) L3M Ar1254 C	4.352	3.509	109.5E6	611.5E6	1.142	1.156
15) L3M Ar1254 D	4.638	3.815	167.6E6	942.0E6	1.818	2.508 #
16) L3M Ar1254 E	4.783	3.959	90171607	812.2E6	0.539	1.865 #
Sum Ar1254 A			619.3E6	3887.1E6	5.944	11.259
Average Ar1254 A					1.189	2.252

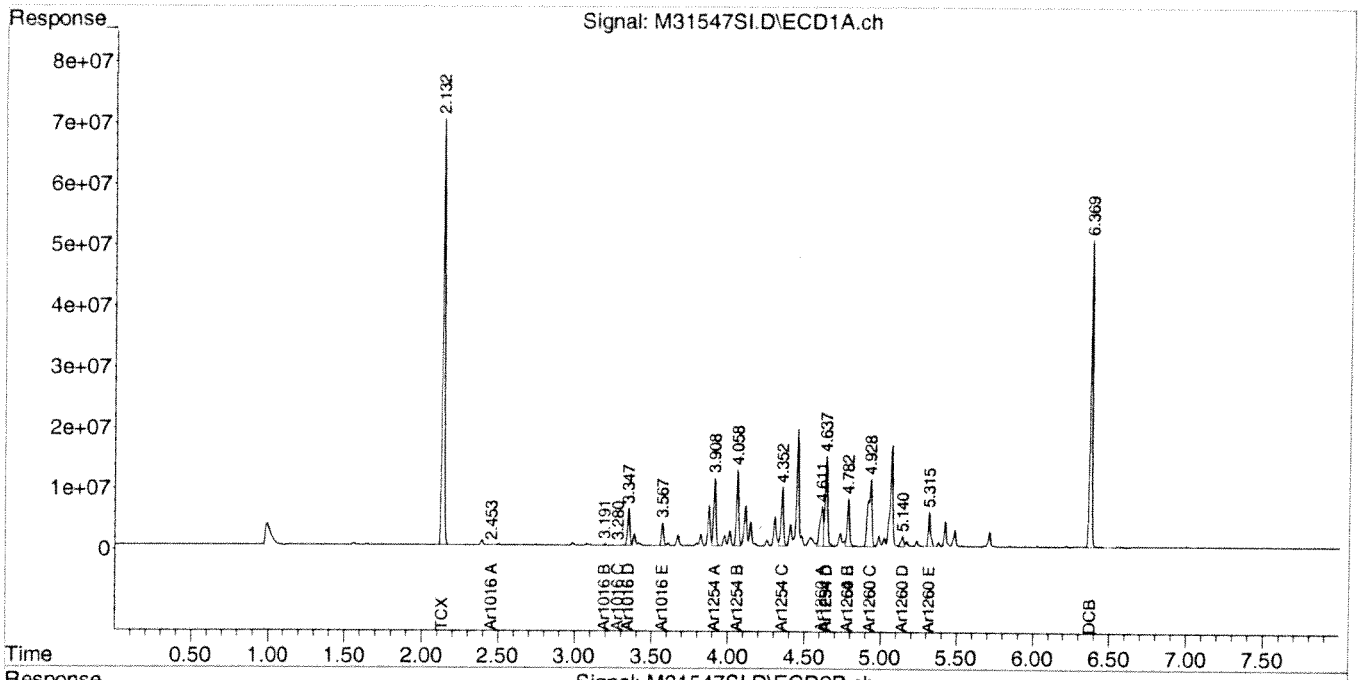
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

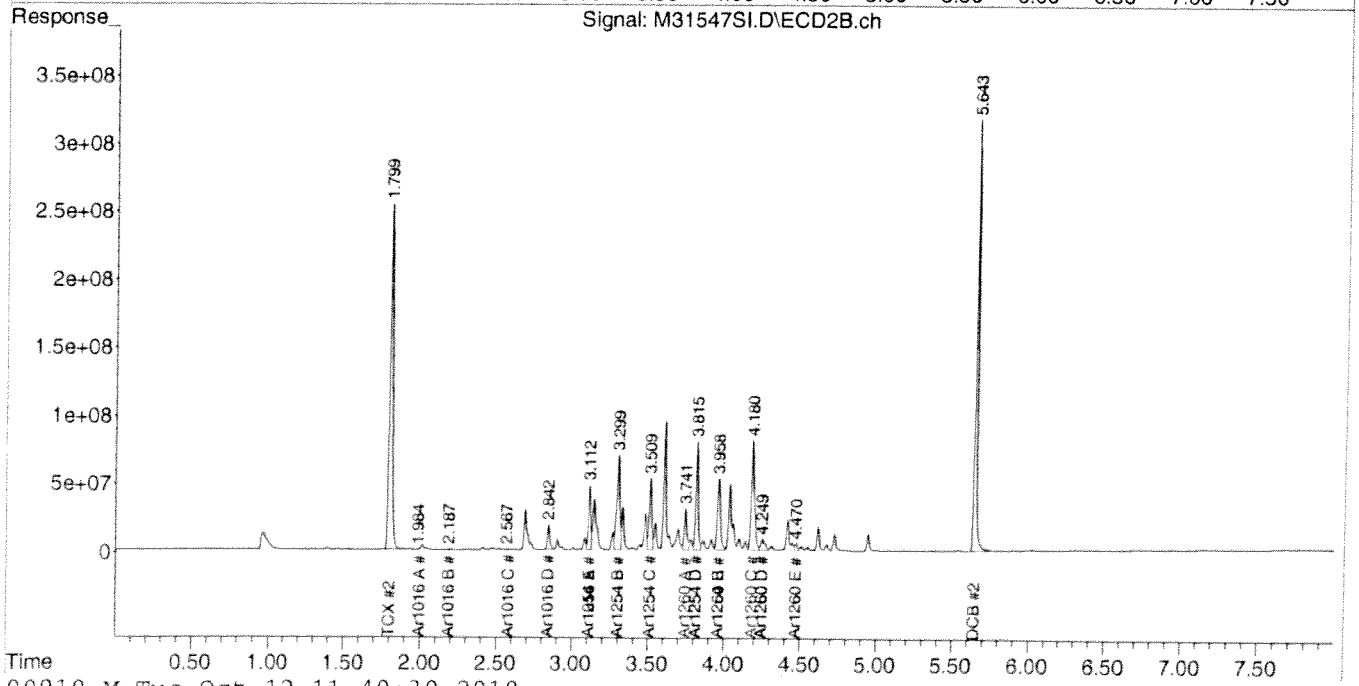
JL 10.12.10

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31547SI.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 2:54 pm
Operator : JK
Sample : P5496 AR 1254 2.0 UG/ML
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:23:01 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Thu Oct 07 13:11:48 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB1254

INITIAL CALIBRATION VERIFICATION

METHOD: C:\msdchem\1\METHODS\PCB100910.M

Data File Name M31548CC.D
Date Acquired 10/9/2010 15:04
Sample Name P5498 AR 1254 ICV 0.5 UG/ML

Name	Amount	Recovery	80%-120% Recovery Pass	Name	Amount	Recovery	80%-120% Recovery Pass
Ar1254 A	0.49	98%	OK	Ar1254 A #2	0.54	108%	OK
Ar1254 B	0.51	101%	OK	Ar1254 B #2	0.51	102%	OK
Ar1254 C	0.50	100%	OK	Ar1254 C #2	0.52	105%	OK
Ar1254 D	0.45	90%	OK	Ar1254 D #2	0.47	94%	OK
Ar1254 E	0.48	96%	OK	Ar1254 E #2	0.52	104%	OK
	AVG	97%	OK		AVG	102%	OK

10.12.10

10/12/10

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31548CC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 3:04 pm
Operator : JK
Sample : P5498 AR 1254 ICV 0.5 UG/ML
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:36:47 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-12-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.132	1.796	145551	1422248	0.080	0.164 #
Spiked Amount	100.000 Range	46 - 122	Recovery	=	0.08%#	0.16%#
17) S DCB	6.369	0.000	372735	0	0.317	N.D. #
Spiked Amount	100.000 Range	40 - 135	Recovery	=	0.32%#	0.00%#
Target Compounds						
2) L1M Ar1016 A	2.454	1.985	260195	1464620	N.D.	N.D.
3) L1M Ar1016 B	3.193	2.188	832774	2243562	N.D.	N.D.
4) L1M Ar1016 C	3.280	2.568	280035	1452585	N.D.	N.D.
5) L1M Ar1016 D	3.347	2.842	17579698	53005676	0.603	0.174 #
6) L1M Ar1016 E	3.567	3.112	10387801	146.5E6	0.224	1.303 #
Sum Ar1016 A			27967499	199.5E6	0.744	1.411
Average Ar1016 A					0.372	0.705
7) L2M Ar1260 A	4.612	3.741	29232024	115.3E6	0.358	0.268 #
8) L2M Ar1260 B	4.783	3.959	25791174	221.1E6	0.264	0.334 #
9) L2M Ar1260 C	4.928	4.181	47823887	318.7E6	0.537	0.452
10) L2M Ar1260 D	5.141	4.249	6971322	44461631	0.075	0.094 #
11) L2M Ar1260 E	5.316	4.471	17149800	17386809	0.206	0.038 #
Sum Ar1260 A			127.0E6	716.9E6	1.440	1.187
Average Ar1260 A					0.288	0.237
12) L3M Ar1254 A	3.909	3.112	32781613	146.5E6	0.492	0.541
13) L3M Ar1254 B	4.059	3.299	37465333	265.3E6	0.507	0.510
14) L3M Ar1254 C	4.352	3.509	30094285	163.2E6	0.500	0.523
15) L3M Ar1254 D	4.638	3.815	40593874	227.3E6	0.449	0.470
16) L3M Ar1254 E	4.783	3.959	25791174	221.1E6	0.482	0.518
Sum Ar1254 A			166.7E6	1023.5E6	2.430	2.562
Average Ar1254 A					0.486	0.512

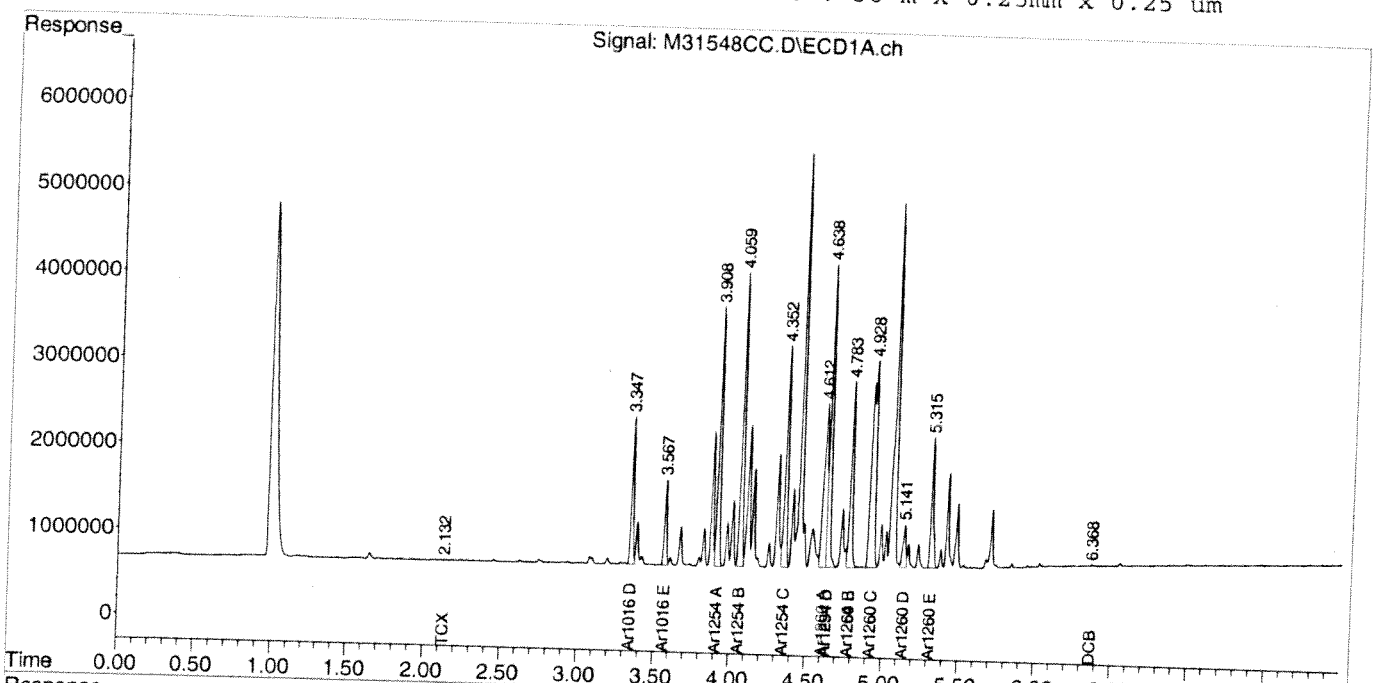
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

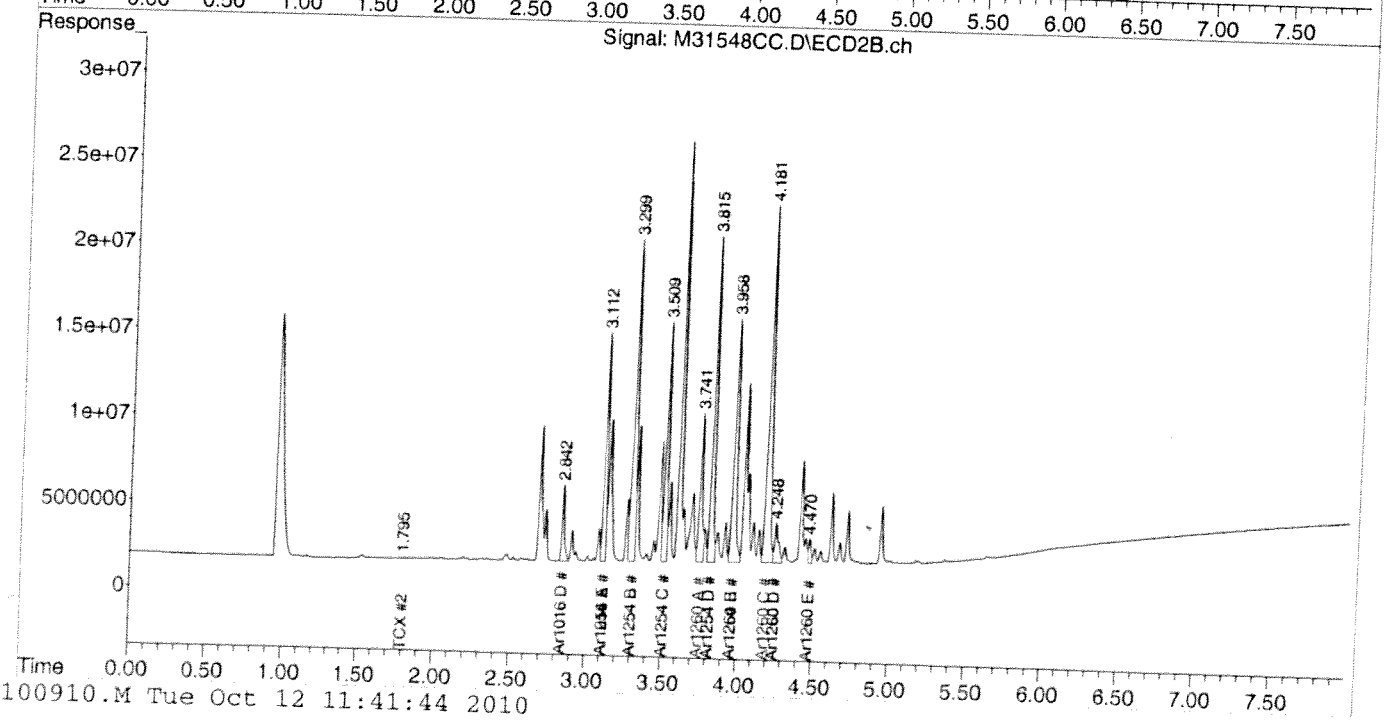
10/12/10

Data Path : C:\msdchem\1\DATA\100910-M\
Data File : M31548CC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Oct 2010 3:04 pm
Operator : JK
Sample : P5498 AR 1254 ICV 0.5 UG/ML
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 11:36:47 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB
CONTINUING CALIBRATION

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5542 16/60 0.25 UG/ML
Data File ID: M31580SC.D

JL 10.14.10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				49.792	100		51.020	102	
PCB 1016				0.275	110		0.274	110	
PCB 1260				0.271	108		0.266	106	
DCB				48.460	97		53.649	107	

Lower Limit	Upper Limit
85	115

Column to be used to Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 5 10.14.10

PCB FORM 7

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31580SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 12:30 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 12:38:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.14.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

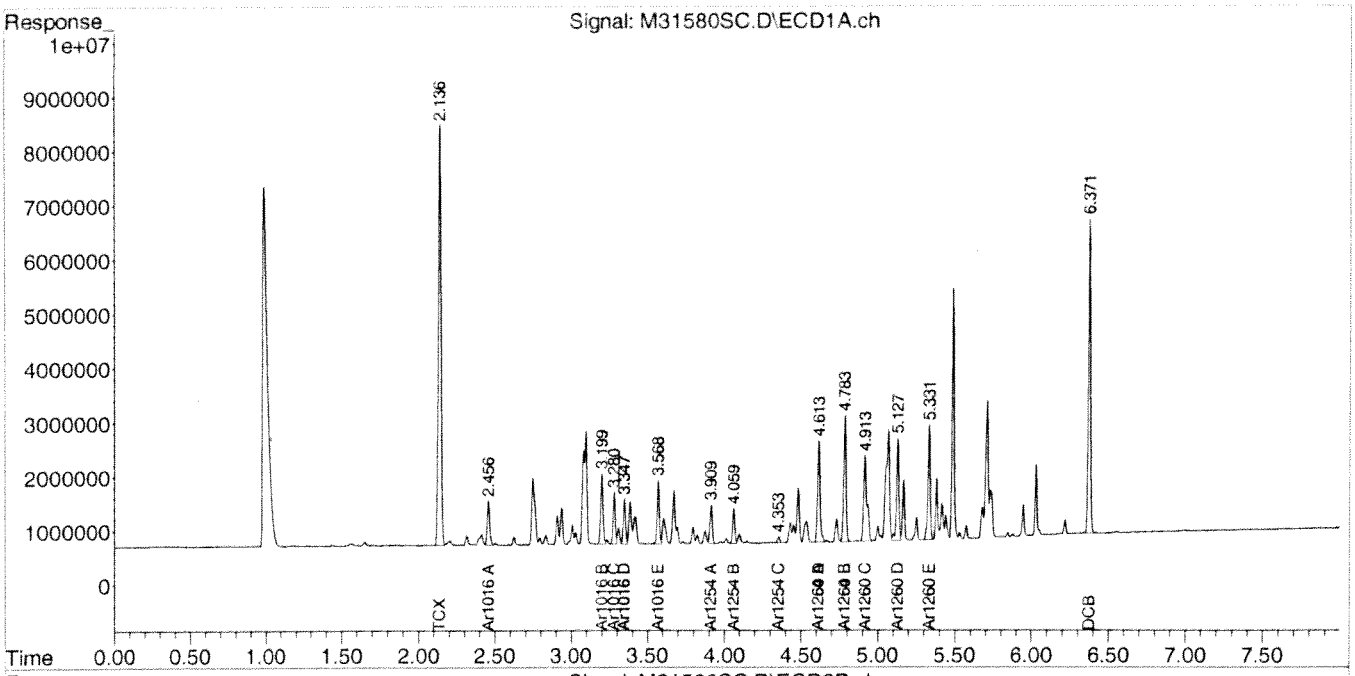
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.136	1.802	91150523	443.4E6	49.792	51.020
Spiked Amount	100.000	Range	46 - 122	Recovery	= 49.79%	51.02%
17) S DCB	6.371	5.643	57044848	385.6E6	48.460m	53.649m
Spiked Amount	100.000	Range	40 - 135	Recovery	= 48.46%	53.65%
Target Compounds						
2) L1M Ar1016 A	2.456	1.987	9660755	57433471	0.277	0.297
3) L1M Ar1016 B	3.199	2.192	15317300	88734868	0.274	0.268
4) L1M Ar1016 C	3.281	2.569	9696208	77246081	0.272	0.269
5) L1M Ar1016 D	3.348	2.844	8727370	78256708	0.277	0.267
6) L1M Ar1016 E	3.568	3.113	12420146	32178095	0.274	0.270
Sum Ar1016 A			55821779	333.8E6	1.373	1.370
Average Ar1016 A					0.275	0.274
7) L2M Ar1260 A	4.613	3.741	22772757	114.0E6	0.272	0.265
8) L2M Ar1260 B	4.784	3.957	26098292	175.6E6	0.267	0.263
9) L2M Ar1260 C	4.914	4.180	25308792	189.4E6	0.269	0.265
10) L2M Ar1260 D	5.127	4.270	20377415	120.4E6	0.280	0.267
11) L2M Ar1260 E	5.332	4.470	21558786	111.9E6	0.265	0.269
Sum Ar1260 A			116.1E6	711.2E6	1.353	1.328
Average Ar1260 A					0.271	0.266
12) L3M Ar1254 A	3.910	3.113	8015056	32178095	0.120	0.119
13) L3M Ar1254 B	4.059	3.300	7205030	40375143	0.098	0.078
14) L3M Ar1254 C	4.353	3.505	1236637	25588719	0.021	0.082 #
15) L3M Ar1254 D	4.613	3.818	22772757	11010164	0.252	0.023 #
16) L3M Ar1254 E	4.784	3.957	26098292	175.6E6	0.488	0.411
Sum Ar1254 A			65327772	284.7E6	0.978	0.712
Average Ar1254 A					0.196	0.142

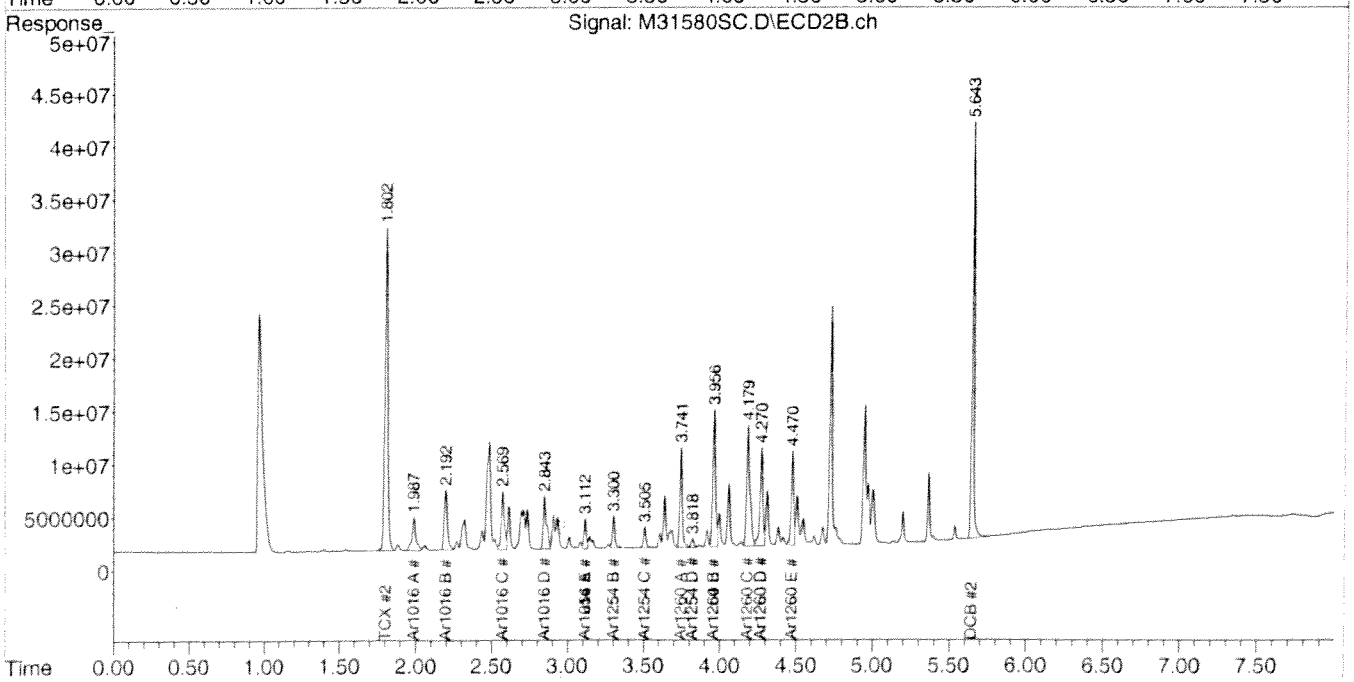
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int. 5101410

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31580SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 12:30 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 12:38:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



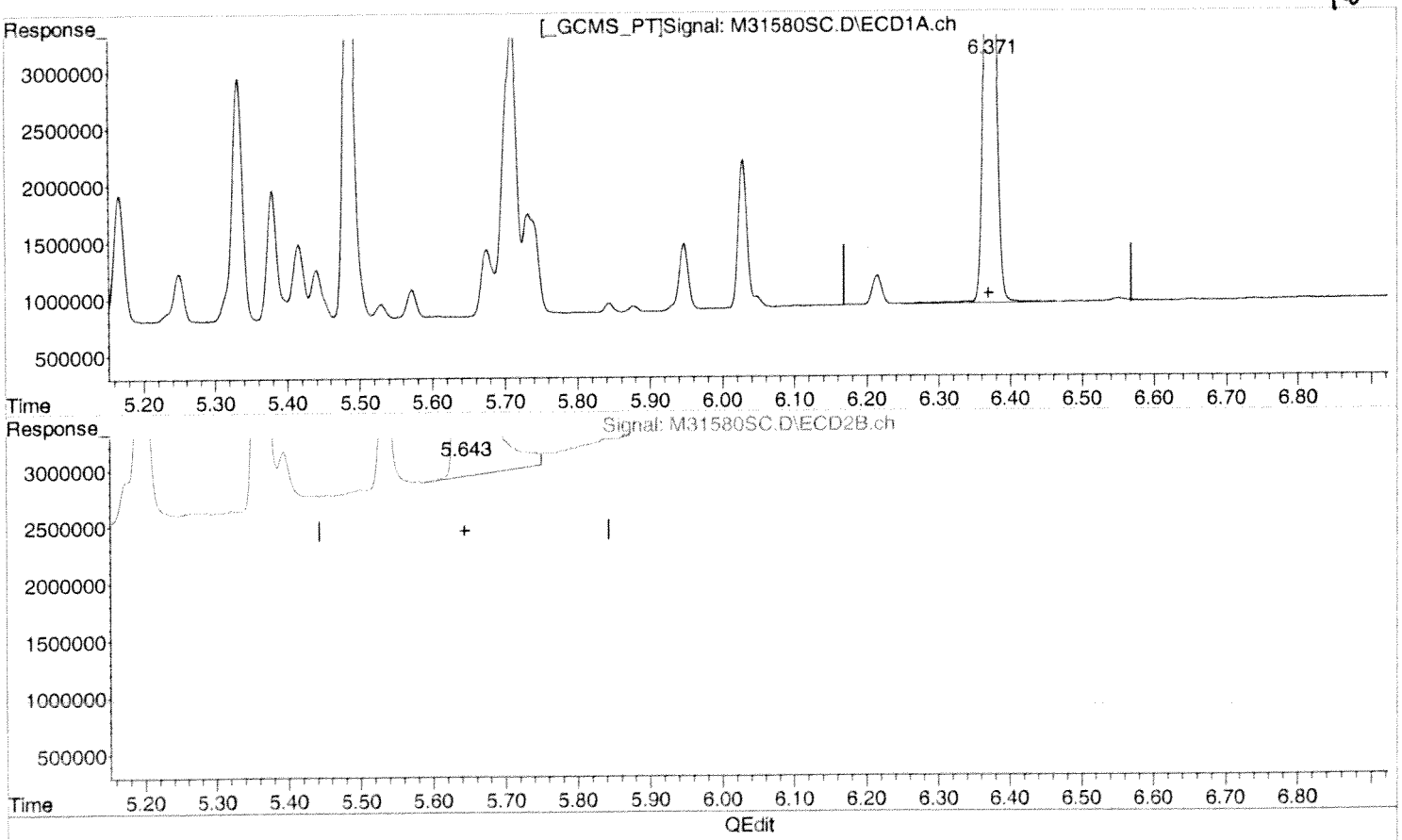


Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31580SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 12:30 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 12:38:16 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-14-10 KEA



(17) DCB (S)
6.372min 49.227 ug/ml
response 57947613

(17) DCB #2 (S)
5.643min 54.061 ug/ml
response 388527743

5/01/10

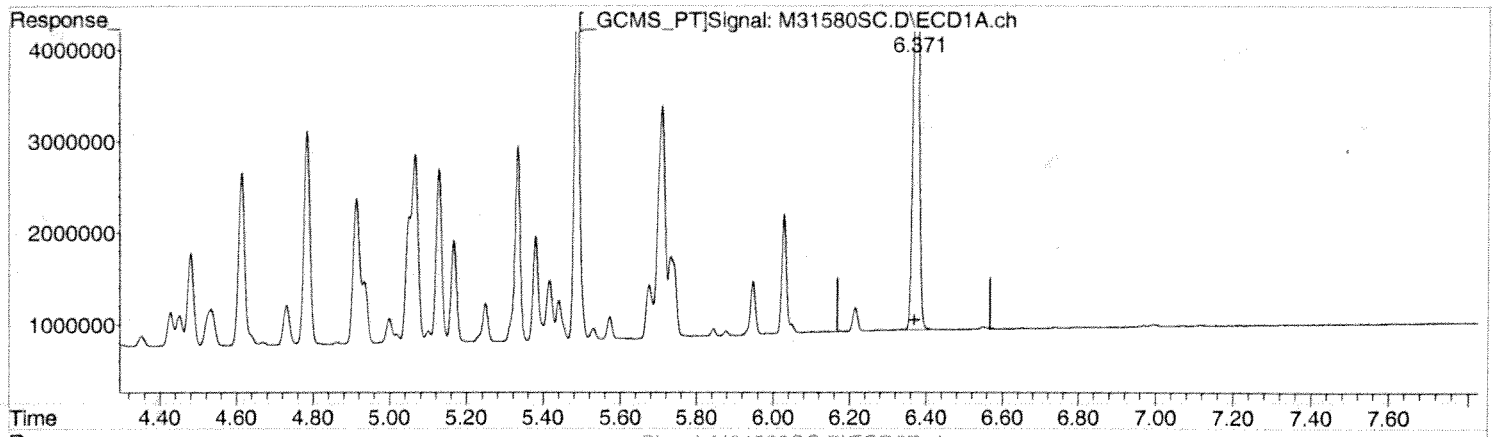
(+) = Expected Retention Time
PCB100910.M Tue Oct 12 12:38:47 2010

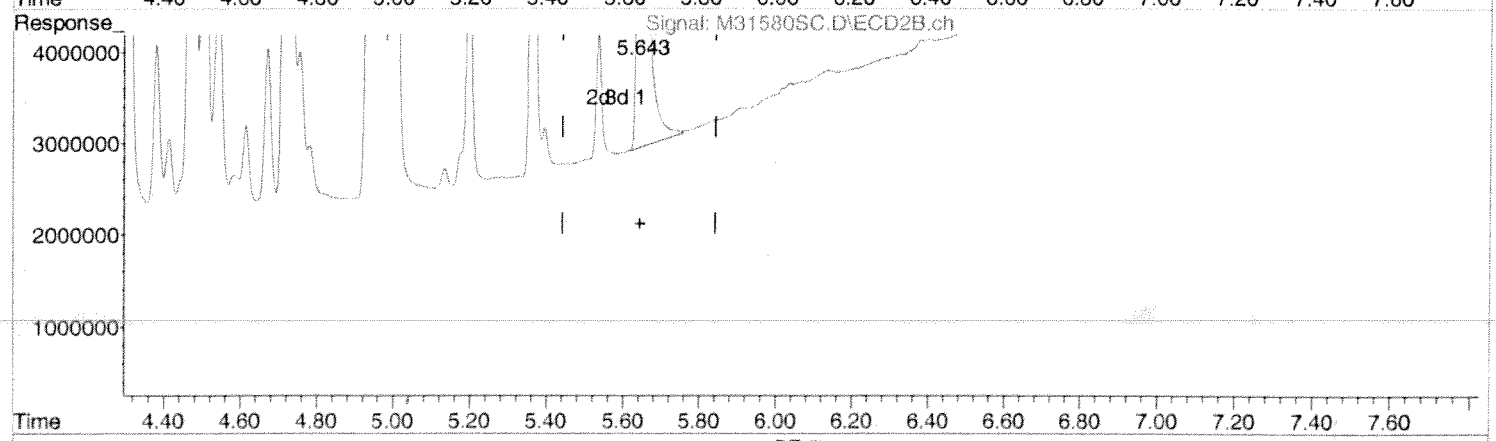
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31580SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 12:30 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 12:38:16 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-14-10





QEdit

(17) DCB (S)

6.371min 48.460 ug/ml m

response 57044848

(17) DCB #2 (S)

5.643min 53.649 ug/ml m

response 385570915

101410

(+) = Expected Retention Time

PCB
CONTINUING CALIBRATION

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5550 AR 1254 0.25 UG/Ml
Data File ID: M31581SC.D

JL 10.14.10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.265	106		0.262	105	

Lower Limit	Upper Limit
85	115

Column to be used to Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 101410

PCB FORM 7

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31581SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 12:40 pm
Operator : JK
Sample : P5550 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 12:48:46 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10-14-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.136	1.803	93870294	450.7E6	51.277	51.851
Spiked Amount	100.000	Range	46 - 122	Recovery	= 51.28%	51.85%
17) S DCB	6.371	5.643	62408597	423.1E6	53.017	58.868
Spiked Amount	100.000	Range	40 - 135	Recovery	= 53.02%	58.87%
Target Compounds						
2) L1M Ar1016 A	2.460	2.015	340453	8604907	N.D.	0.004 #
3) L1M Ar1016 B	3.193	2.190	508830	1143353	N.D.	N.D.
4) L1M Ar1016 C	3.281	2.570	157171	702284	N.D.	N.D.
5) L1M Ar1016 D	3.348	2.844	9698161	30915145	0.313	0.096 #
6) L1M Ar1016 E	3.568	3.113	6233906	70959628	0.120	0.620 #
Sum Ar1016 A			15932067	110.5E6	0.343	0.687
Average Ar1016 A					0.171	0.229
7) L2M Ar1260 A	4.612	3.742	15503874	55571121	0.175	0.122 #
8) L2M Ar1260 B	4.783	3.959	13976626	112.0E6	0.131	0.163
9) L2M Ar1260 C	4.929	4.181	27515816	165.4E6	0.295	0.230
10) L2M Ar1260 D	5.141	4.249	4078694	23378078	0.030	0.046 #
11) L2M Ar1260 E	5.315	4.470	9390879	8893988	0.102	0.017 #
Sum Ar1260 A			70465889	365.3E6	0.734	0.578
Average Ar1260 A					0.147	0.116
12) L3M Ar1254 A	3.910	3.113	17889646	70959628	0.268	0.262
13) L3M Ar1254 B	4.059	3.300	19711705	135.9E6	0.267	0.261
14) L3M Ar1254 C	4.352	3.510	16060356	81857846	0.267	0.262
15) L3M Ar1254 D	4.638	3.815	23862797	127.4E6	0.264	0.264
16) L3M Ar1254 E	4.783	3.959	13976626	112.0E6	0.261	0.262
Sum Ar1254 A			91501130	528.2E6	1.327	1.311
Average Ar1254 A					0.265	0.262

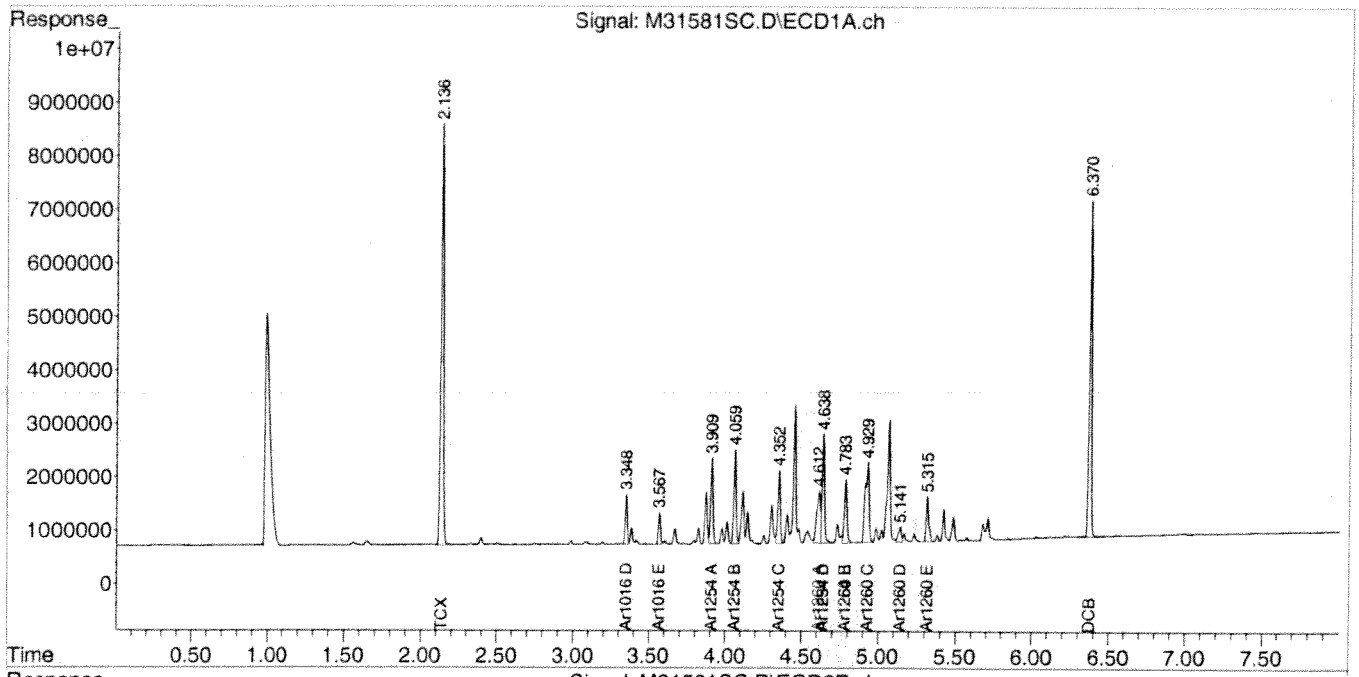
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

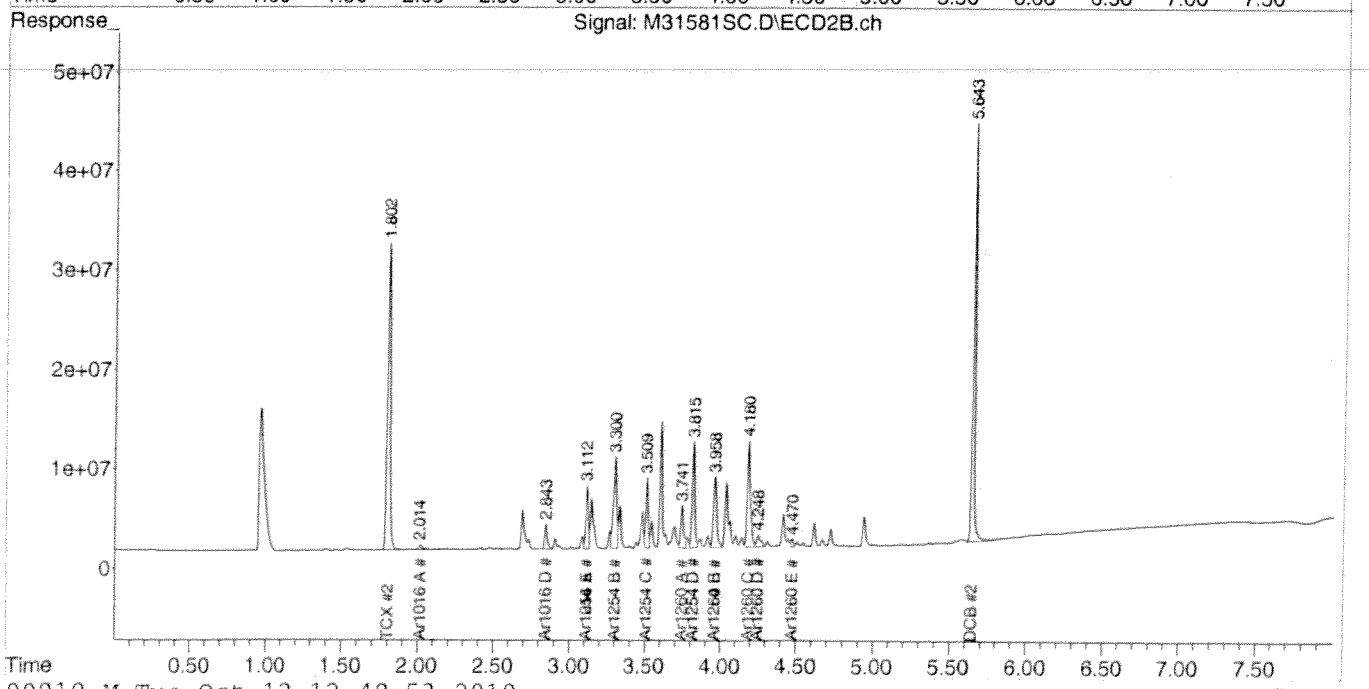
101410

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31581SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 12:40 pm
Operator : JK
Sample : P5550 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 12:48:46 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB
CONTINUING CALIBRATION

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5544 16/60 0.5 UG/ML
Data File ID: M31597SC.D

JL 10.14.10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				103.576	104		104.081	104	
PCB 1016				0.563	113		0.548	110	
PCB 1260				0.557	111		0.540	108	
DCB				99.891	100		113.104	113	

Lower Limit	Upper Limit
85	115

Column to be used to Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

2101410

PCB FORM 7

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31597SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:28 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:37:31 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.14.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.134	1.801	189.6E6	904.6E6	103.576	104.081
Spiked Amount	100.000	Range	46 - 122	Recovery	= 103.58%	104.08%
17) S DCB	6.369	5.642	117.6E6	812.9E6	99.891m	113.104m
Spiked Amount	100.000	Range	40 - 135	Recovery	= 99.89%	113.10%
Target Compounds						
2) L1M Ar1016 A	2.455	1.985	18295744	104.1E6	0.571	0.576m
3) L1M Ar1016 B	3.197	2.190	29563169	172.1E6	0.559m	0.543
4) L1M Ar1016 C	3.280	2.568	18880564	152.4E6	0.558	0.546
5) L1M Ar1016 D	3.347	2.843	16612659	153.6E6	0.568	0.537
6) L1M Ar1016 E	3.567	3.112	23832832	61927278	0.558	0.539
Sum Ar1016 A			107.2E6	644.1E6	2.814	2.741
Average Ar1016 A					0.563	0.548
7) L2M Ar1260 A	4.612	3.741	43850347	225.5E6	0.552	0.537
8) L2M Ar1260 B	4.782	3.956	51088331	350.5E6	0.549	0.537
9) L2M Ar1260 C	4.913	4.179	49289423	379.8E6	0.555	0.541
10) L2M Ar1260 D	5.127	4.270	39939631	241.5E6	0.580	0.544
11) L2M Ar1260 E	5.331	4.470	42844373	223.3E6	0.550	0.540
Sum Ar1260 A			227.0E6	1420.7E6	2.786	2.700
Average Ar1260 A					0.557	0.540
12) L3M Ar1254 A	3.909	3.112	15465455	61927278	0.232	0.229
13) L3M Ar1254 B	4.058	3.300	13731038	77129300	0.186	0.148
14) L3M Ar1254 C	4.352	3.505	2278631	48311611	0.038	0.155 #
15) L3M Ar1254 D	4.612	3.818	43850347	21379246	0.485	0.044 #
16) L3M Ar1254 E	4.782	3.956	51088331	350.5E6	0.955	0.821
Sum Ar1254 A			126.4E6	559.3E6	1.895	1.397
Average Ar1254 A					0.379	0.279

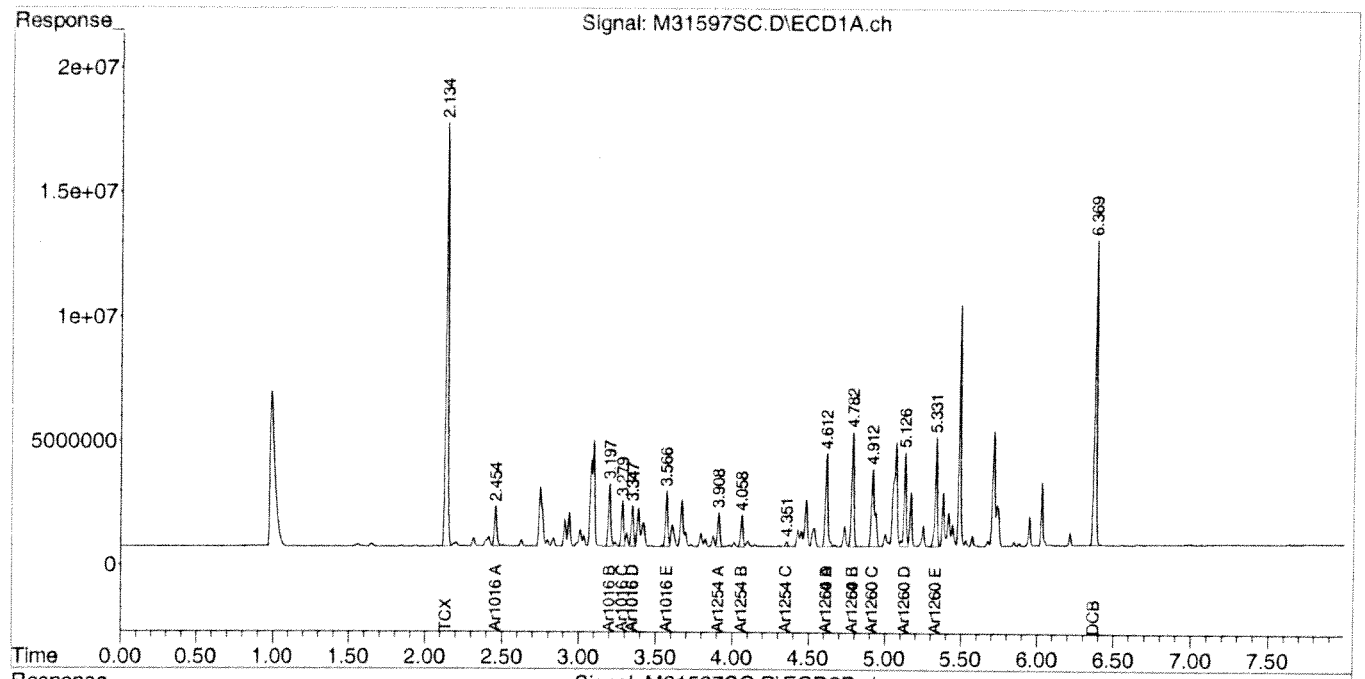
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

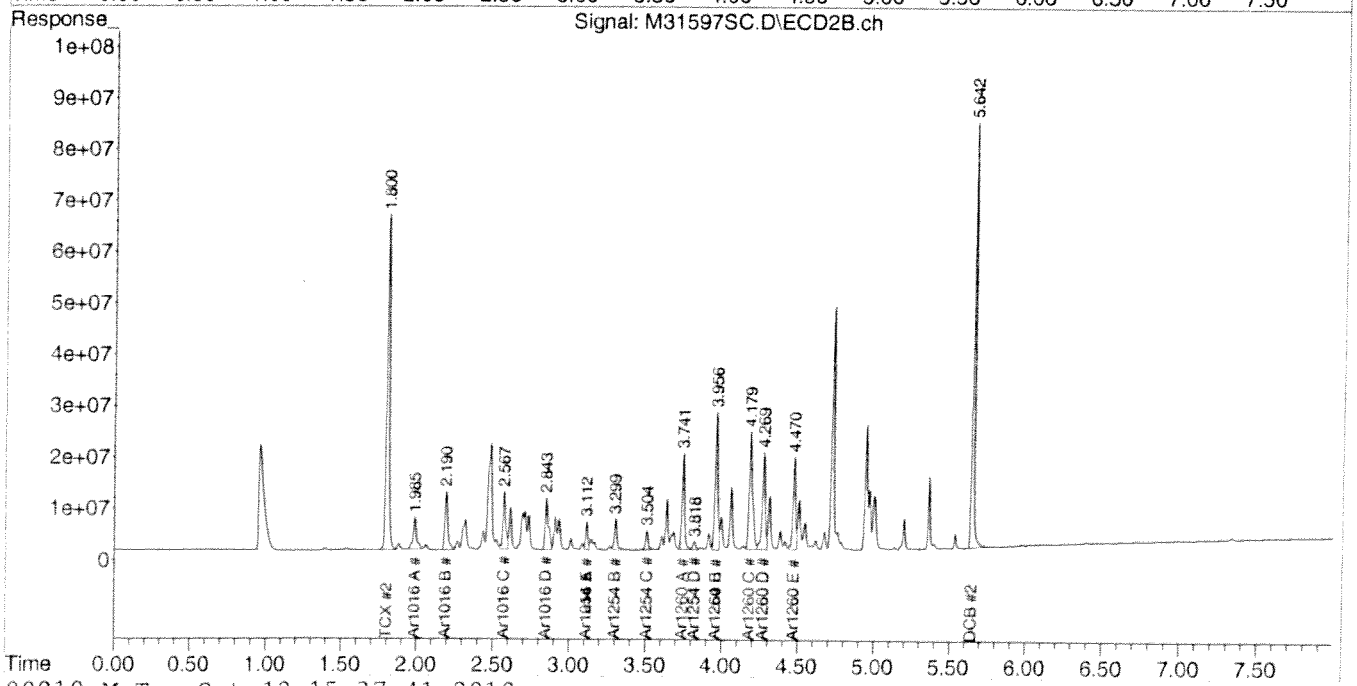
JL 10.14.10

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31597SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:28 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:37:31 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



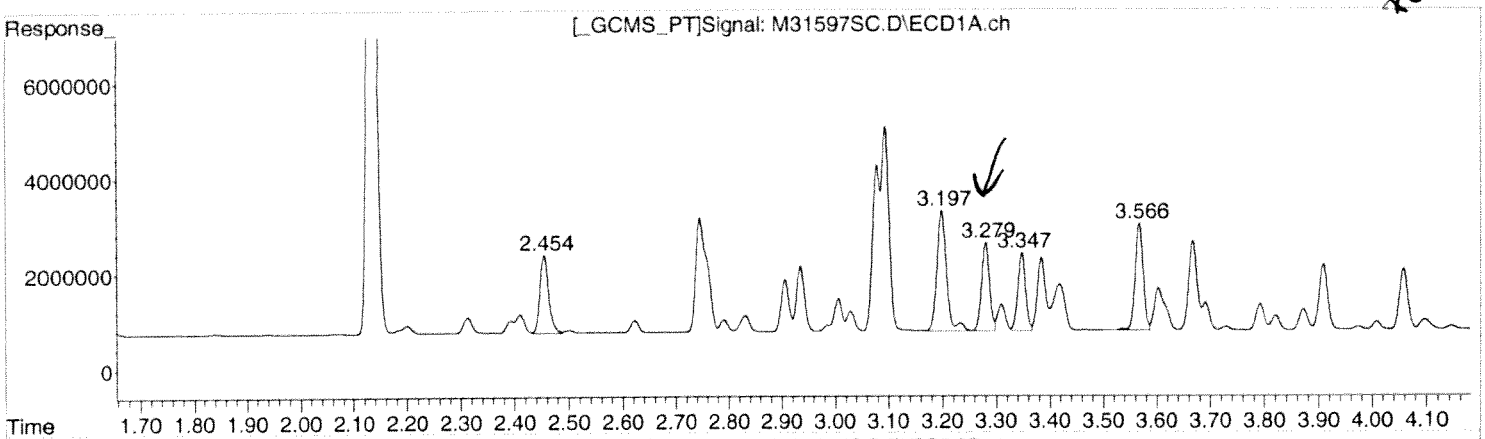


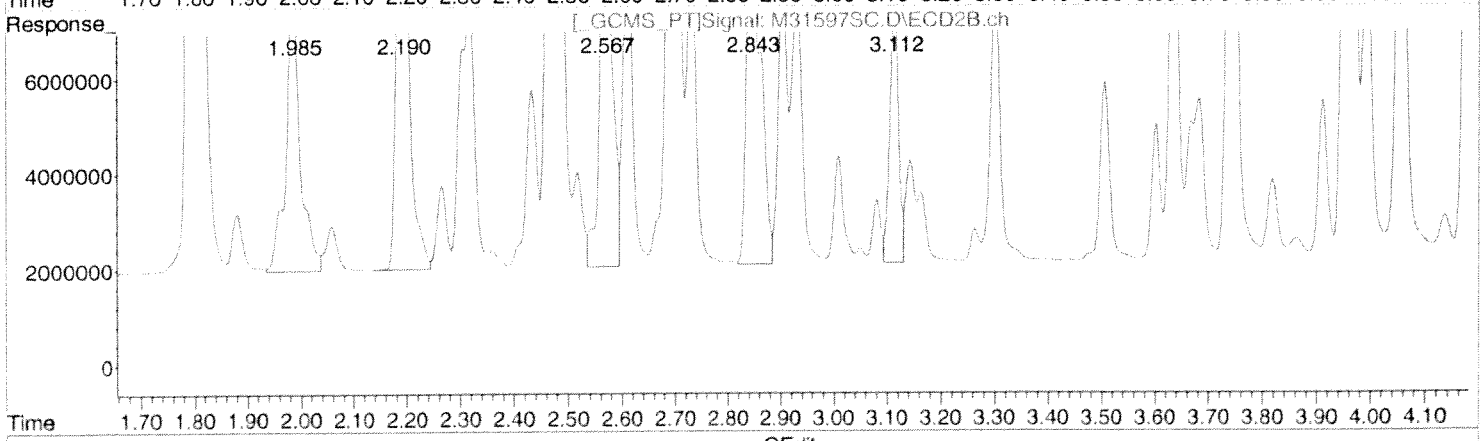
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31597SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:28 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:36:18 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-14-10 KEK





QEdit

(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.45	18295744	0.57
3.20	31094670	0.59
3.28	18880564	0.56
3.35	16612659	0.57
3.57	23832832	0.56

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	109780802	0.61
2.19	172063434	0.54
2.57	152448390	0.55
2.84	153599552	0.54
3.11	61927278	0.54

JL 101410

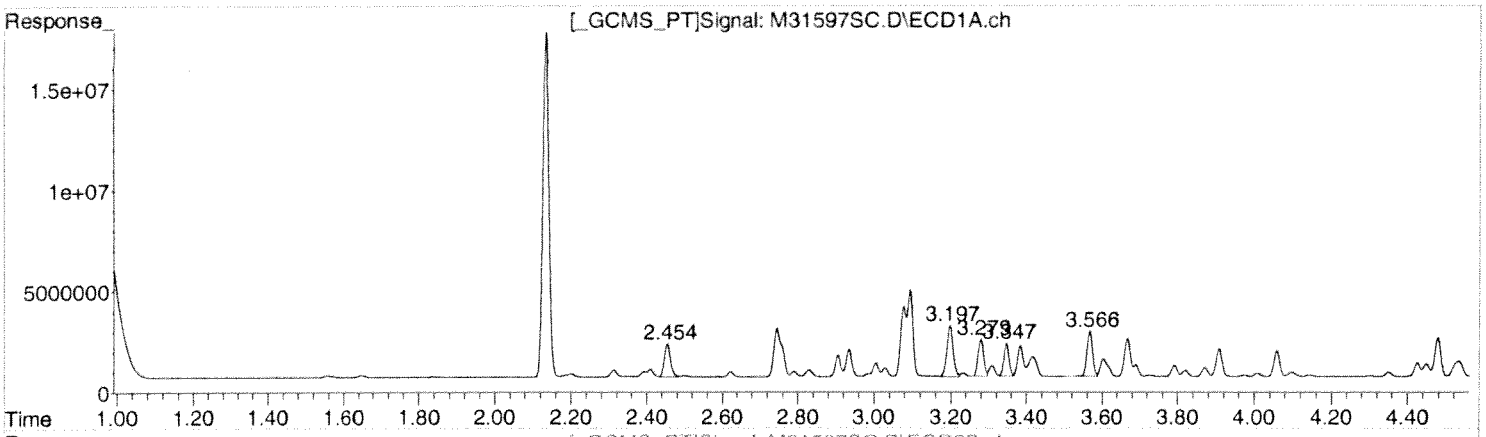
(+) = Expected Retention Time

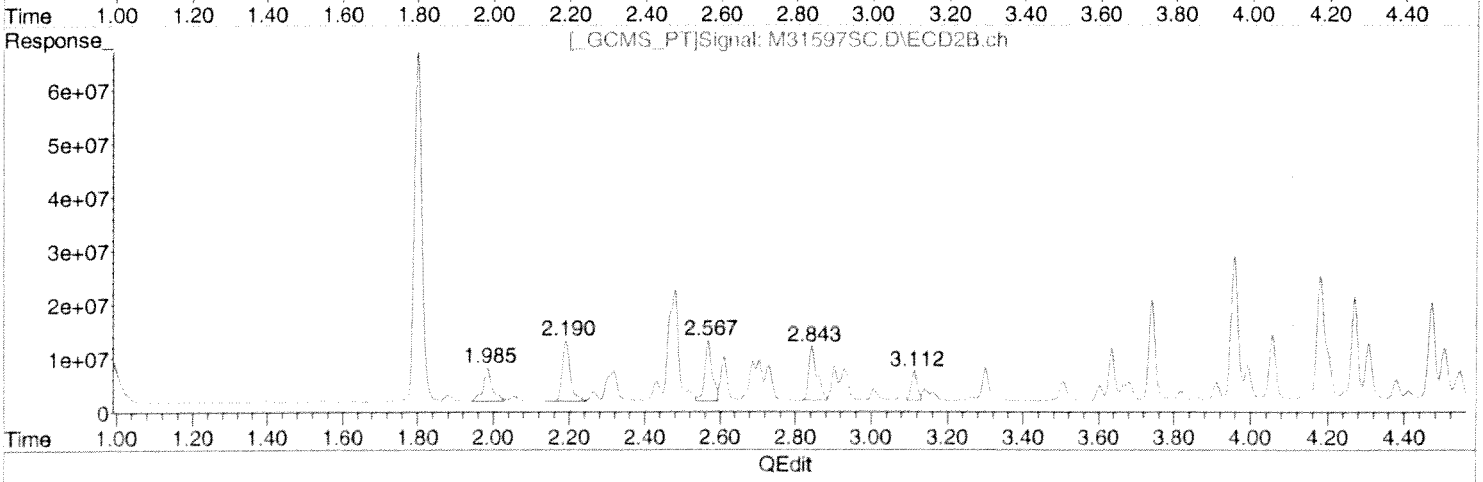
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31597SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:28 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:36:18 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10.14.10





(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.45	18295744	0.57
3.20	29563169	0.56
3.28	18880564	0.56
3.35	16612659	0.57
3.57	23832832	0.56

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.98	104065172	0.58
2.19	172063434	0.54
2.57	152448390	0.55
2.84	153599552	0.54
3.11	61927278	0.54

3104440

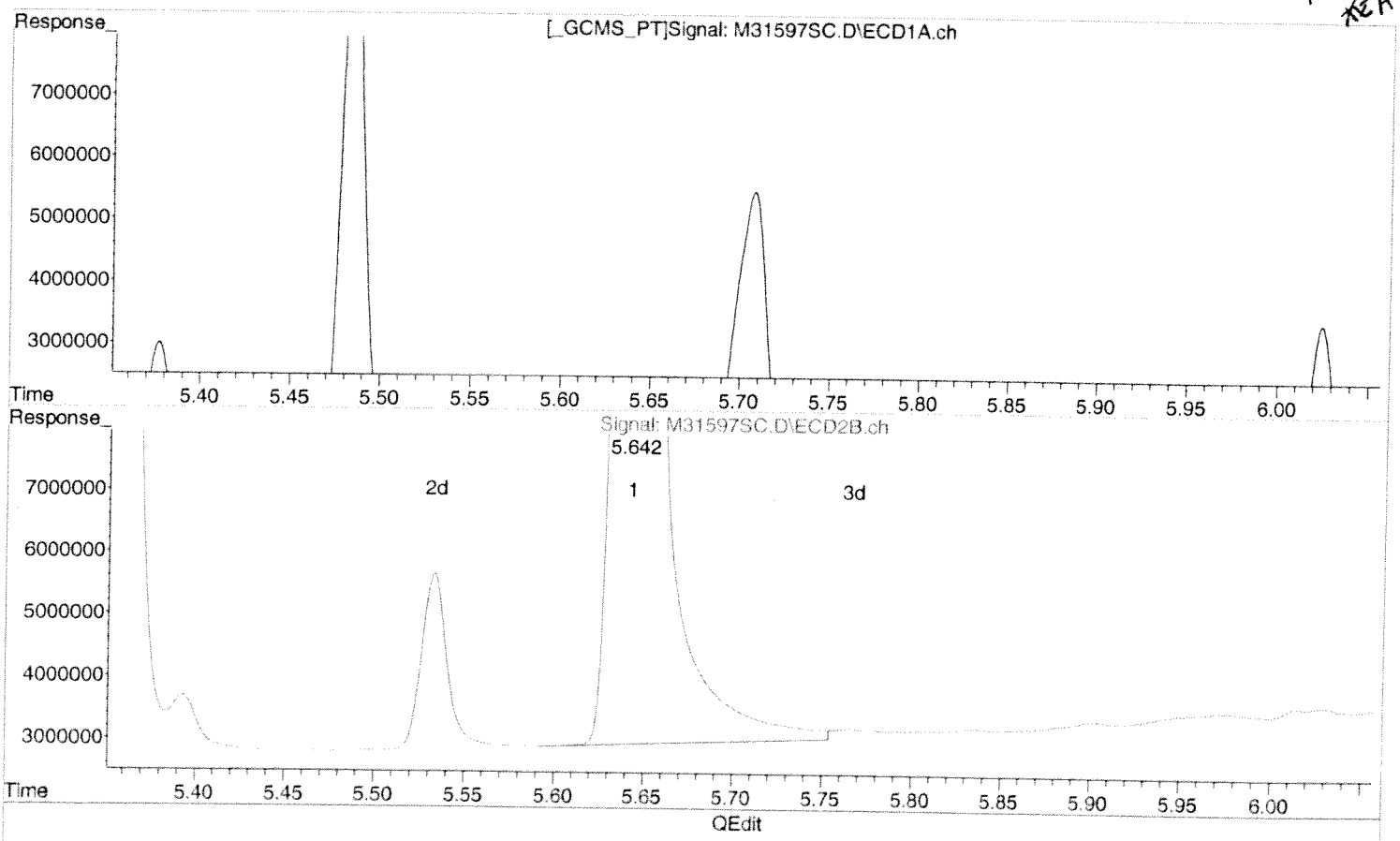
(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31597SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:28 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:36:18 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-14-10 KEA



(17) DCB (S)
6.369min 100.529 ug/ml
response 118338352

(17) DCB #2 (S)
5.643min 113.062 ug/ml
response 812562542

10-14-10

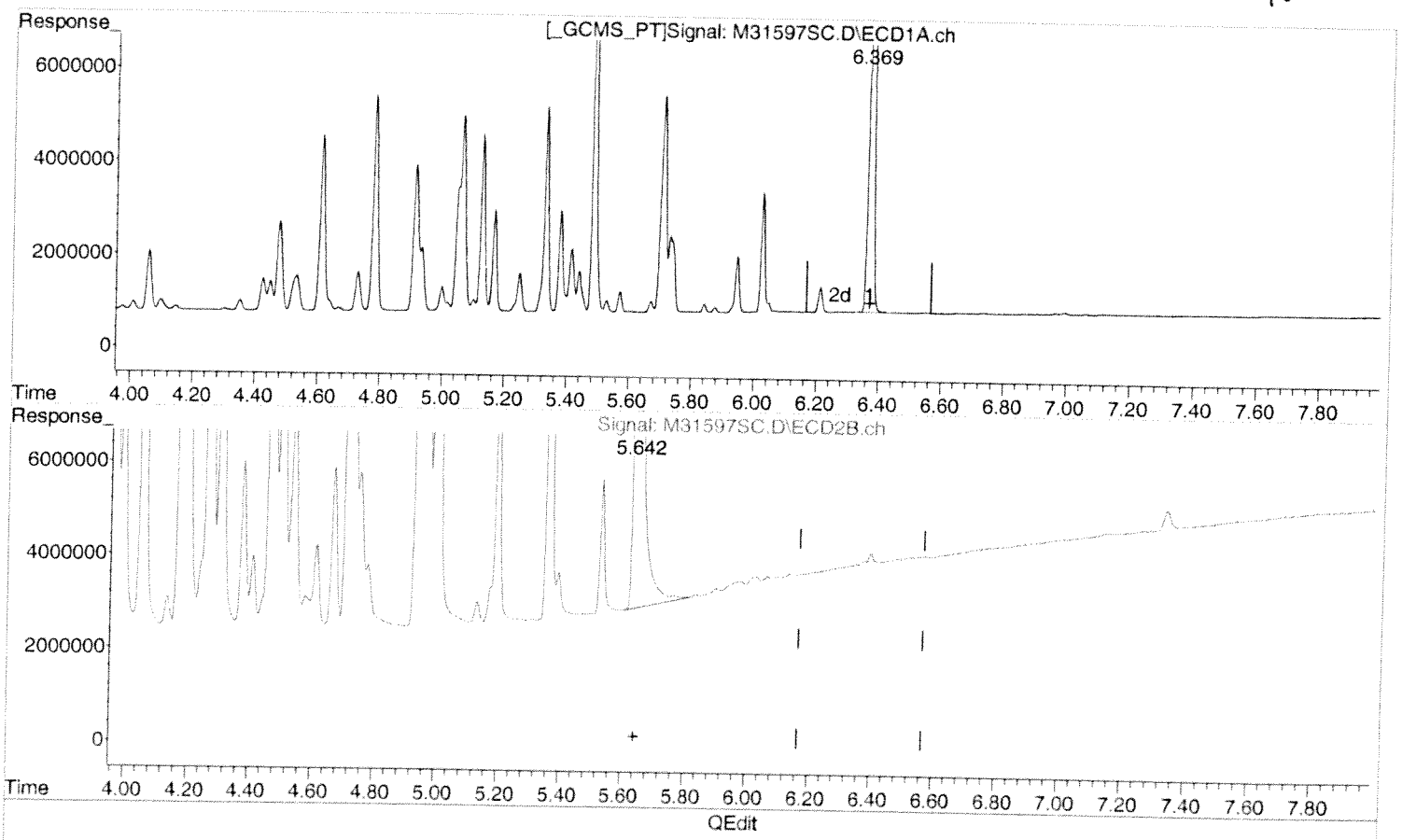
(+) = Expected Retention Time
PCB100910.M Tue Oct 12 15:37:14 2010

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31597SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:28 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:36:18 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-14-10



(17) DCB (S)

6.369min 99.891 ug/ml m

response 117587276

(17) DCB #2 (S)

5.642min 113.104 ug/ml m

response 812868168

3/01/10

(+) = Expected Retention Time
PCB100910.M Tue Oct 12 15:37:37 2010

PCB
CONTINUING CALIBRATION

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5552 AR 1254 0.5 UG/ML
Data File ID: M31598SC.D

OK 10.13.10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.517	103		0.526	105	

Lower Limit	Upper Limit
85	115

Column to be used to Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

31 OCT 10

PCB FORM 7

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31598SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:38 pm
Operator : JK
Sample : P5552 AR 1254 0.5 UG/ML
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:46:44 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

10/14/10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.134	1.801	197.3E6	935.3E6	107.762	107.610
Spiked Amount	100.000	Range	46 - 122	Recovery	= 107.76%	107.61%
17) S DCB	6.370	5.643	128.5E6	890.8E6	109.128	123.948
Spiked Amount	100.000	Range	40 - 135	Recovery	= 109.13%	123.94%
Target Compounds						
2) L1M Ar1016 A	2.456	2.013	397698	16050295	N.D.	0.049 #
3) L1M Ar1016 B	3.192	2.189	834943	2001584	N.D.	N.D.
4) L1M Ar1016 C	3.280	2.568	190066	995029	N.D.	N.D.
5) L1M Ar1016 D	3.347	2.843	18624963	60321394	0.642	0.202 #
6) L1M Ar1016 E	3.567	3.112	11927768	141.3E6	0.262	1.256 #
Sum Ar1016 A			30552731	217.6E6	0.823	1.477
Average Ar1016 A					0.412	0.492
7) L2M Ar1260 A	4.611	3.741	30302217	111.3E6	0.372	0.258 #
8) L2M Ar1260 B	4.782	3.958	26748414	223.6E6	0.275	0.338
9) L2M Ar1260 C	4.928	4.180	54062040	331.2E6	0.612	0.470
10) L2M Ar1260 D	5.140	4.248	7208385	45017235	0.078	0.095
11) L2M Ar1260 E	5.315	4.470	18523718	16685699	0.225	0.036 #
Sum Ar1260 A			136.8E6	727.9E6	1.561	1.199
Average Ar1260 A					0.312	0.240
12) L3M Ar1254 A	3.909	3.112	34707589	141.3E6	0.520	0.521
13) L3M Ar1254 B	4.059	3.299	38292133	273.1E6	0.519	0.525
14) L3M Ar1254 C	4.352	3.509	31568065	165.5E6	0.524	0.531
15) L3M Ar1254 D	4.637	3.815	47403625	256.3E6	0.524	0.530
16) L3M Ar1254 E	4.782	3.958	26748414	223.6E6	0.500	0.524
Sum Ar1254 A			178.7E6	1059.9E6	2.587	2.631
Average Ar1254 A					0.517	0.526

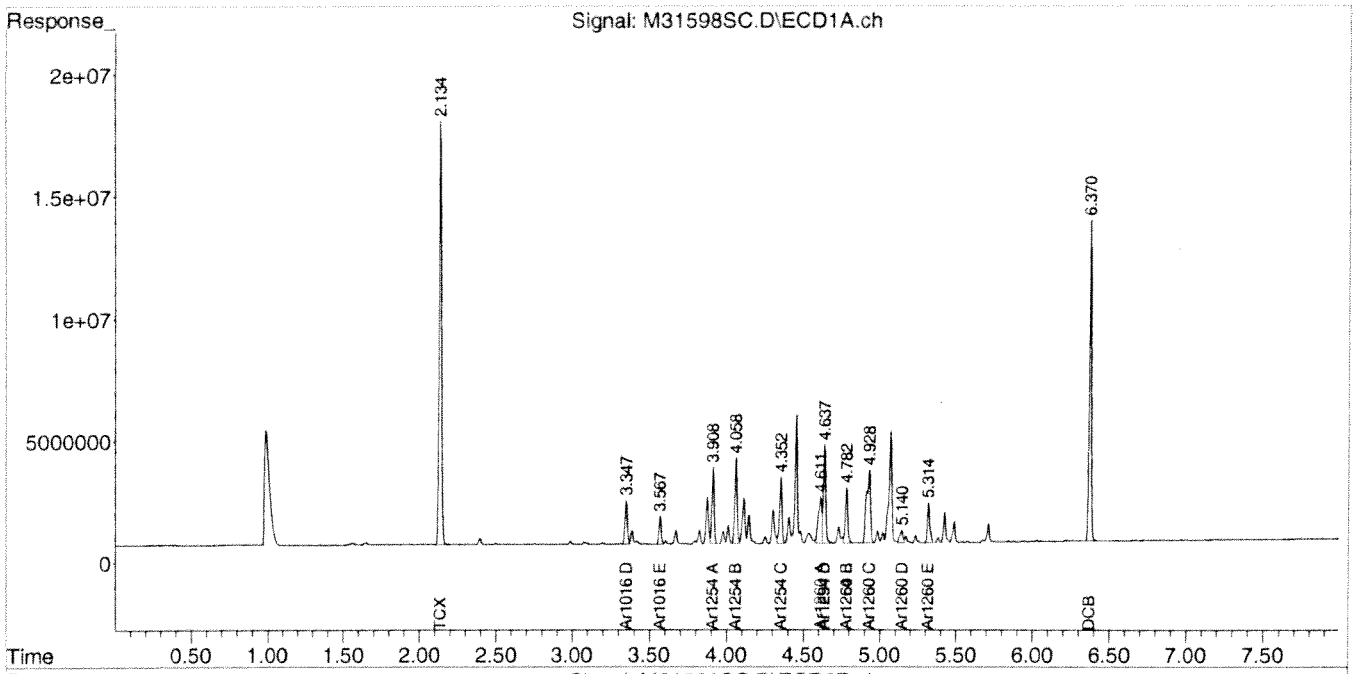
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

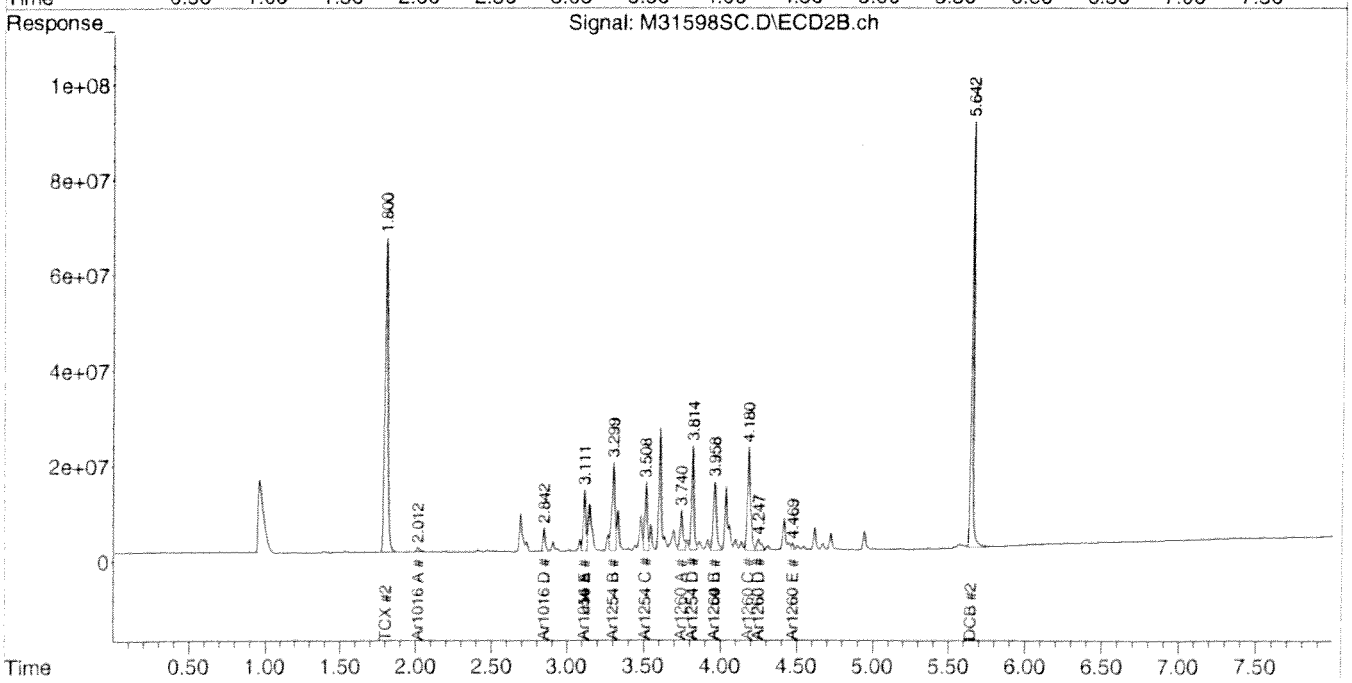
10/14/10

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31598SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:38 pm
Operator : JK
Sample : P5552 AR 1254 0.5 UG/ML
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:46:44 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB-8082
Data Review Checklist

Instrument ID M Sequence ID 101210-M

Window ID W-M-101210-2-JL Instrument Files M31597SC thru M31604SC

Primary				Secondary
NA	1	**Initial Calibration** Method Name: PCB 100910.M	PCB Curve custom report - criteria within limits (RSD<20; R>0.995) (note: PCBs by 608 RSD<10) ICV within limits ±20%	NA
✓	2	**Opening Standards**	Selecting proper peaks and peaks integrated properly Form 7 created and in control	✓
✓	3	**Method Blank/Window Blank**	Selecting proper peaks and peaks integrated properly No PCBs present @1/2 LOQ - Overlay if necessary Percent recoveries for surrogates in control	✓
NA	4	**LCS/LCSD**	Selecting proper peaks and peaks integrated properly Form 3 created and in control, if not memo created	NA
✓	5	**Samples**	Selecting proper peaks and peaks integrated properly Samples evaluated for PCBs - overlay if necessary If ND-DF calculated, if PCB present, Form 10 created and in control	✓
NA	6	**MS/MSD**	Selecting proper peaks and peaks integrated properly Samples evaluated for PCBs Form 3 created and in control, if not memo created	✓ NA
✓	7	**Evaluate Closing Standards**	Selecting proper peaks and peaks integrated properly Form 7 created and in control	✓
✓	8	**Manual Integrations**	Before and after chromatograms printed, date/initials and justification documnented	✓

JL 10·14·10 — Primary Reviewed — Date

10/14/10 — Secondary Reviewed — Date

1

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5544 16/60 0.5 UG/ML
Column ID:	0.25 mm	Data File ID:	M31597SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

JL 10.14.1

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				103.576	104		104.081	104	
PCB 1016				0.563	113		0.548	110	
PCB 1260				0.557	111		0.540	108	
DCB				99.891	100		113.104	113	

Lower Limit	Upper Limit
85	115

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: 2101140

PCB FORM 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31597SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:28 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:37:31 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10.14.10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.134	1.801	189.6E6	904.6E6	103.576	104.081
Spiked Amount	100.000	Range	46 - 122	Recovery	= 103.58%	104.08%
17) S DCB	6.369	5.642	117.6E6	812.9E6	99.891m	113.104m
Spiked Amount	100.000	Range	40 - 135	Recovery	= 99.89%	113.10%
Target Compounds						
2) L1M Ar1016 A	2.455	1.985	18295744	104.1E6	0.571	0.576m
3) L1M Ar1016 B	3.197	2.190	29563169	172.1E6	0.559m	0.543
4) L1M Ar1016 C	3.280	2.568	18880564	152.4E6	0.558	0.546
5) L1M Ar1016 D	3.347	2.843	16612659	153.6E6	0.568	0.537
6) L1M Ar1016 E	3.567	3.112	23832832	61927278	0.558	0.539
Sum Ar1016 A			107.2E6	644.1E6	2.814	2.741
Average Ar1016 A					0.563	0.548
7) L2M Ar1260 A	4.612	3.741	43850347	225.5E6	0.552	0.537
8) L2M Ar1260 B	4.782	3.956	51088331	350.5E6	0.549	0.537
9) L2M Ar1260 C	4.913	4.179	49289423	379.8E6	0.555	0.541
10) L2M Ar1260 D	5.127	4.270	39939631	241.5E6	0.580	0.544
11) L2M Ar1260 E	5.331	4.470	42844373	223.3E6	0.550	0.540
Sum Ar1260 A			227.0E6	1420.7E6	2.786	2.700
Average Ar1260 A					0.557	0.540
12) L3M Ar1254 A	3.909	3.112	15465455	61927278	0.232	0.229
~~13) L3M Ar1254 B~~	~~4.058~~	~~3.300~~	~~13731038~~	~~77129300~~	~~0.186~~	~~0.148~~
14) L3M Ar1254 C	4.352	3.505	2278631	48311611	0.038	0.155 #
15) L3M Ar1254 D	4.612	3.818	43850347	21379246	0.485	0.044 #
16) L3M Ar1254 E	4.782	3.956	51088331	350.5E6	0.955	0.821
Sum Ar1254 A			126.4E6	559.3E6	1.895	1.397
Average Ar1254 A					0.379	0.279

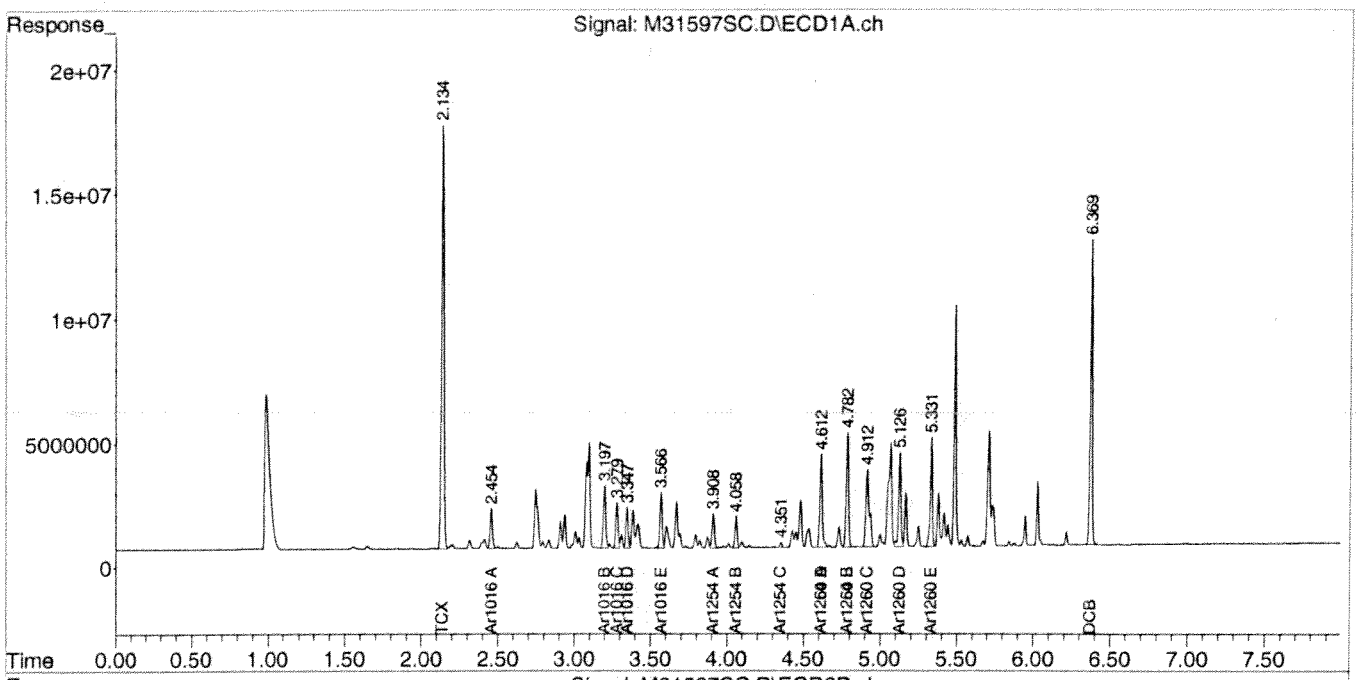
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

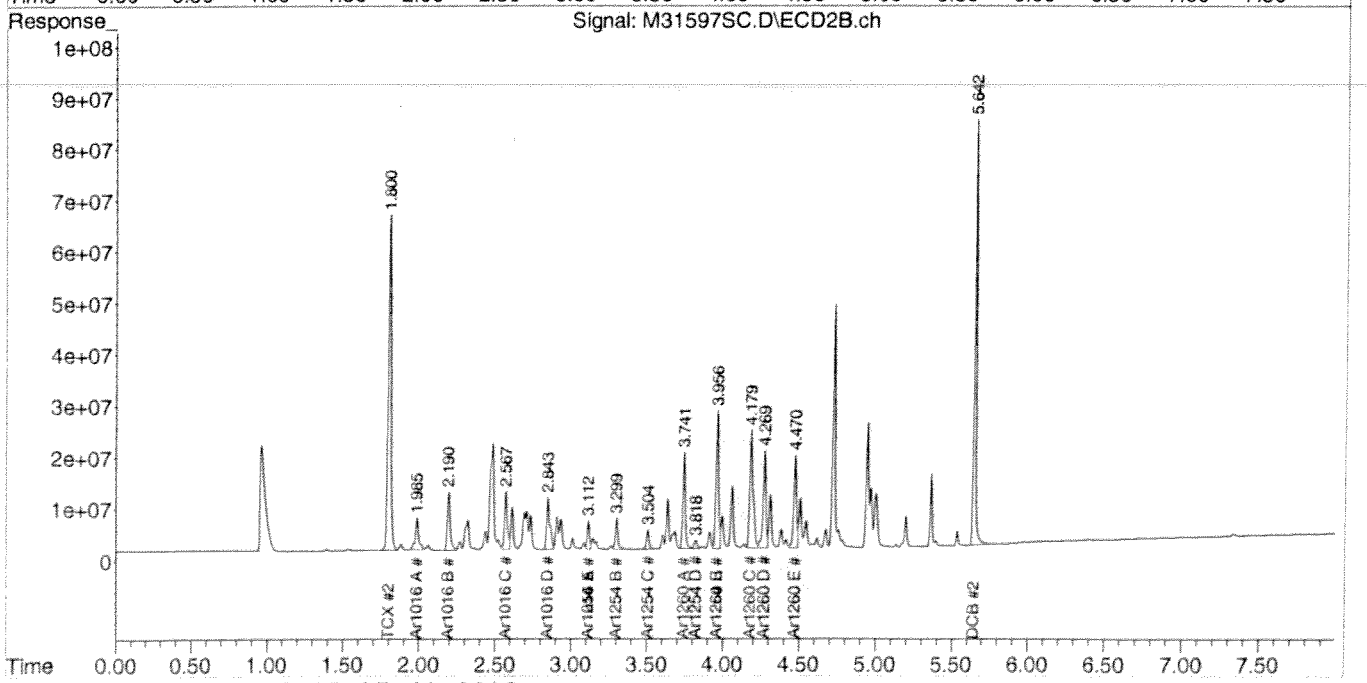
101410

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31597SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:28 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:37:31 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



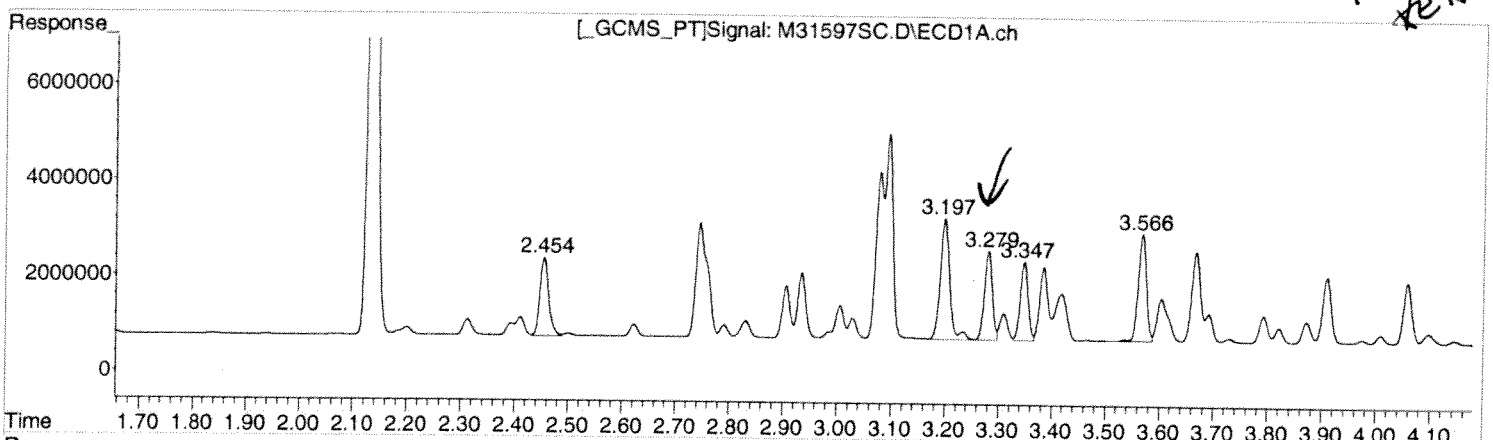


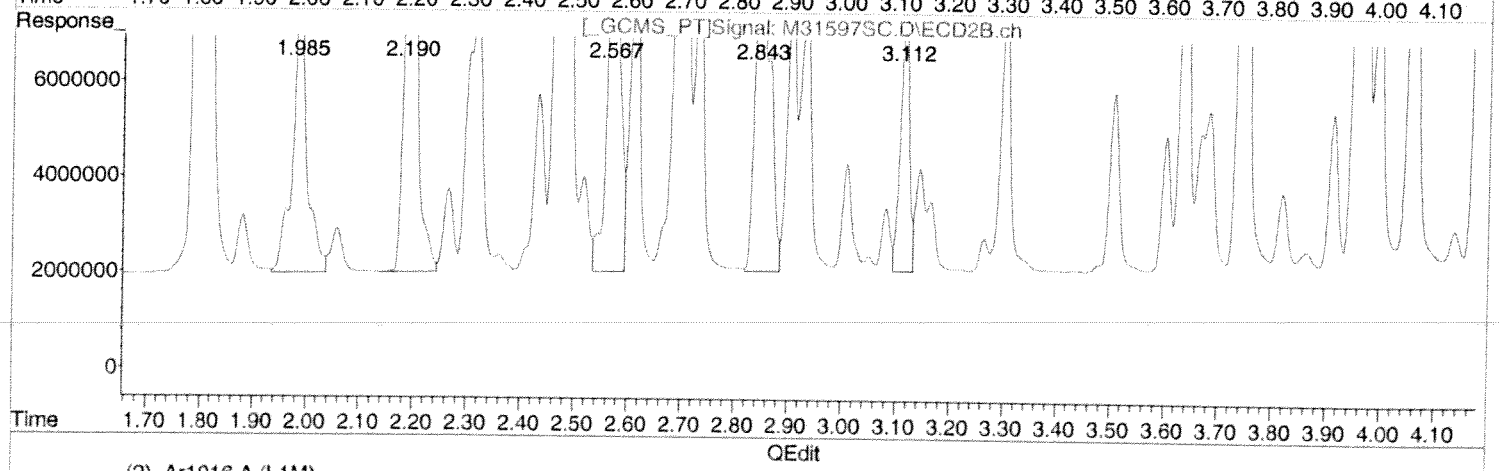
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31597SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:28 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:36:18 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10-14-10 KEA





(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.45	18295744	0.57
3.20	31094670	0.59
3.28	18880564	0.56
3.35	16612659	0.57
3.57	23832832	0.56

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	109780802	0.61
2.19	172063434	0.54
2.57	152448390	0.55
2.84	153599552	0.54
3.11	61927278	0.54

J 101410

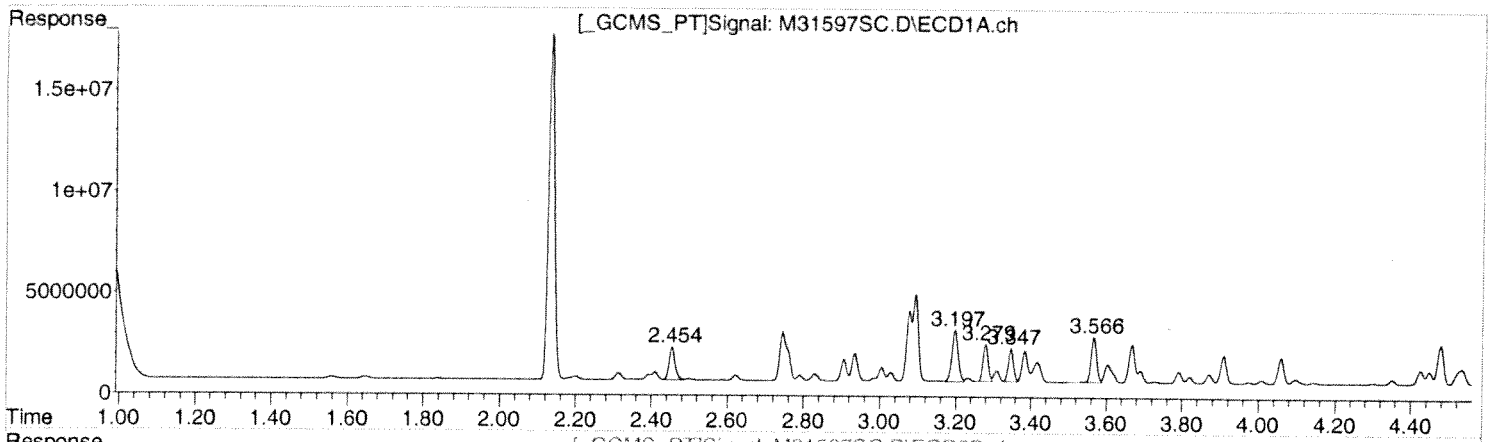
(+) = Expected Retention Time

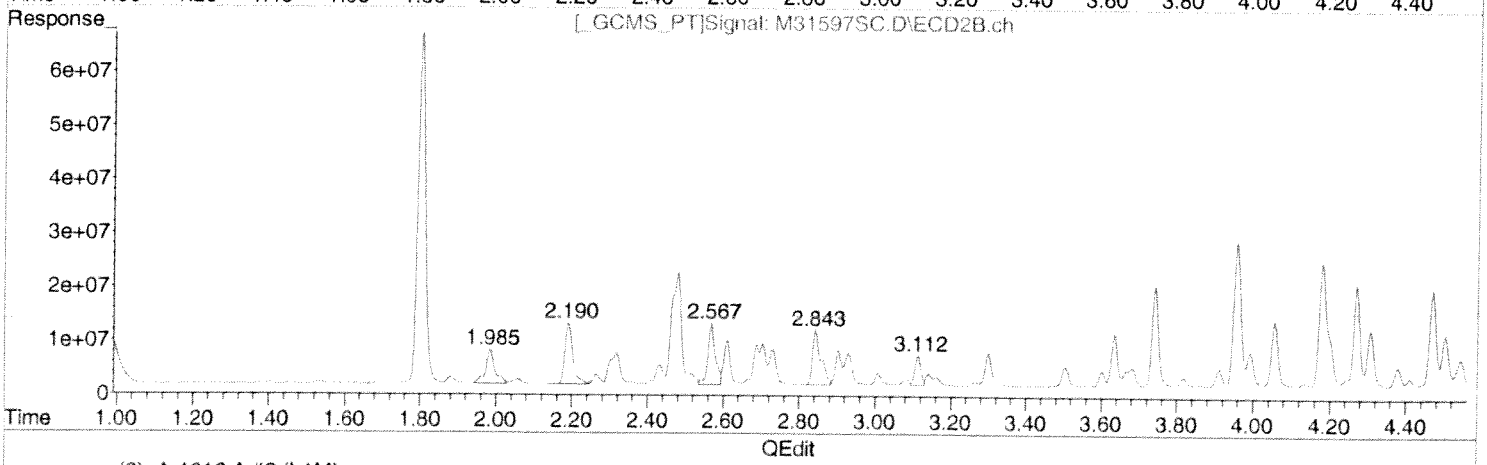
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31597SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:28 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:36:18 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10.14.10





(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.45	18295744	0.57
3.20	29563169	0.56
3.28	18880564	0.56
3.35	16612659	0.57
3.57	23832832	0.56

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.98	104065172	0.58
2.19	172063434	0.54
2.57	152448390	0.55
2.84	153599552	0.54
3.11	61927278	0.54

3/01460

(+) = Expected Retention Time
PCB100910.M Tue Oct 12 15:36:58 2010

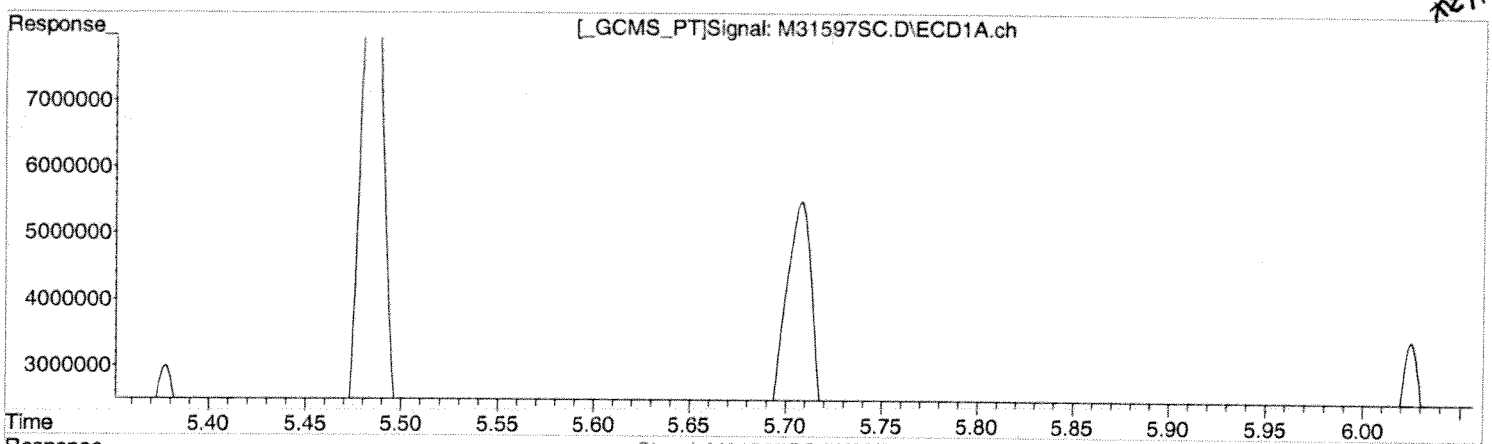
Quantitation Report (Qedit)

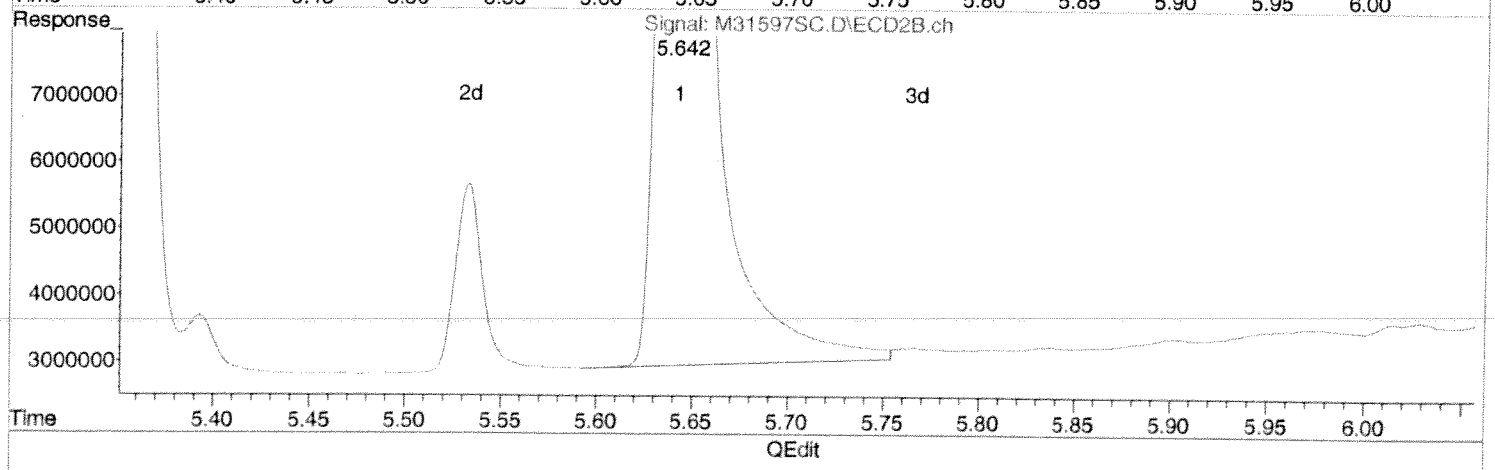
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31597SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:28 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:36:18 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-14-10 KEA





(17) DCB (S)
6.369min 100.529 ug/ml
response 118338352

(17) DCB #2 (S)
5.643min 113.062 ug/ml
response 812562542

J101410

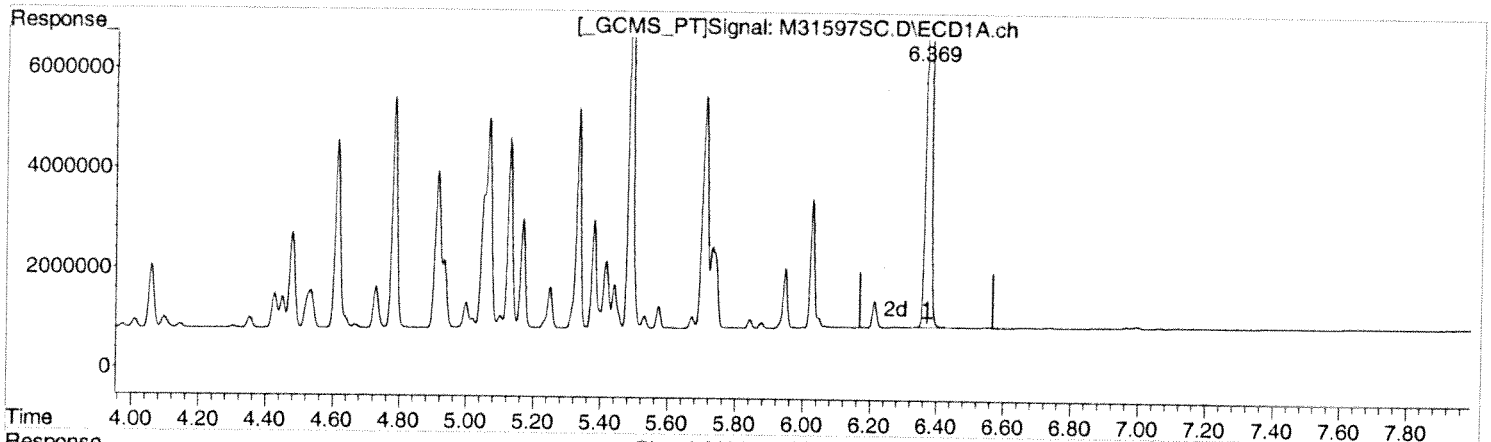
(+) = Expected Retention Time
PCB100910.M Tue Oct 12 15:37:14 2010

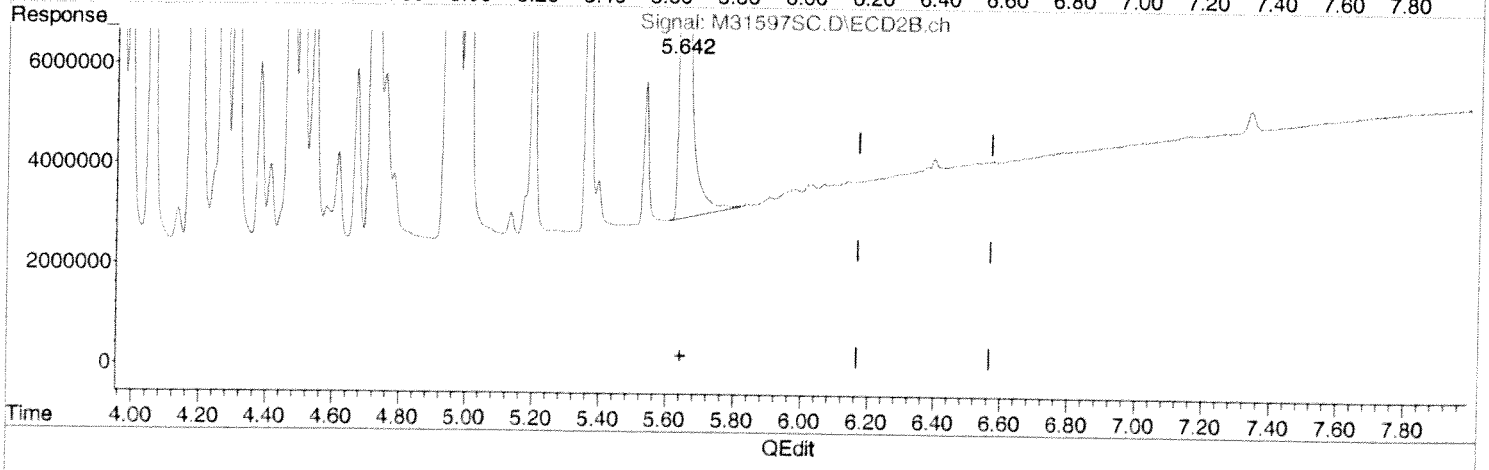
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31597SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:28 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:36:18 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.14.10





(17) DCB (S)

6.369min 99.891 ug/ml m

response 117587276

(17) DCB #2 (S)

5.642min 113.104 ug/ml m

response 812868168

JL 10/14/10

(+) = Expected Retention Time
PCB100910.M Tue Oct 12 15:37:37 2010

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5552 AR 1254 0.5 UG/ML
Column ID:	0.25 mm	Data File ID:	M31598SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

OK 10.13.v

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.517	103		0.526	105	

Lower Limit	Upper Limit
85	115

#	Column to be used to Column to be used to flag recovery values outside of QC limits
*	Values outside QC limits

Comments: 310440

*

PCB FORM 7

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31598SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:38 pm
Operator : JK
Sample : P5552 AR 1254 0.5 UG/ML
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:46:44 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10-14-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.134	1.801	197.3E6	935.3E6	107.762	107.610
Spiked Amount	100.000	Range	46 - 122	Recovery	= 107.76%	107.61%
17) S DCB	6.370	5.643	128.5E6	890.8E6	109.128	123.945
Spiked Amount	100.000	Range	40 - 135	Recovery	= 109.13%	123.94%
Target Compounds						
2) L1M Ar1016 A	2.456	2.013	397698	16050295	N.D.	0.049 #
3) L1M Ar1016 B	3.192	2.189	834943	2001584	N.D.	N.D.
4) L1M Ar1016 C	3.280	2.568	190066	995029	N.D.	N.D.
5) L1M Ar1016 D	3.347	2.843	18624963	60321394	0.642	0.202 #
6) L1M Ar1016 E	3.567	3.112	11927768	141.3E6	0.262	1.256 #
Sum Ar1016 A			30552731	217.6E6	0.823	1.477
Average Ar1016 A					0.412	0.492
7) L2M Ar1260 A	4.611	3.741	30302217	111.3E6	0.372	0.258 #
8) L2M Ar1260 B	4.782	3.958	26748414	223.6E6	0.275	0.338
9) L2M Ar1260 C	4.928	4.180	54062040	331.2E6	0.612	0.470
10) L2M Ar1260 D	5.140	4.248	7208385	45017235	0.078	0.095
11) L2M Ar1260 E	5.315	4.470	18523718	16685699	0.225	0.036 #
Sum Ar1260 A			136.8E6	727.9E6	1.561	1.199
Average Ar1260 A					0.312	0.240
12) L3M Ar1254 A	3.909	3.112	34707589	141.3E6	0.520	0.521
13) L3M Ar1254 B	4.059	3.299	38292133	273.1E6	0.519	0.525
14) L3M Ar1254 C	4.352	3.509	31568065	165.5E6	0.524	0.531
15) L3M Ar1254 D	4.637	3.815	47403625	256.3E6	0.524	0.530
16) L3M Ar1254 E	4.782	3.958	26748414	223.6E6	0.500	0.524
Sum Ar1254 A			178.7E6	1059.9E6	2.587	2.631
Average Ar1254 A					0.517	0.526

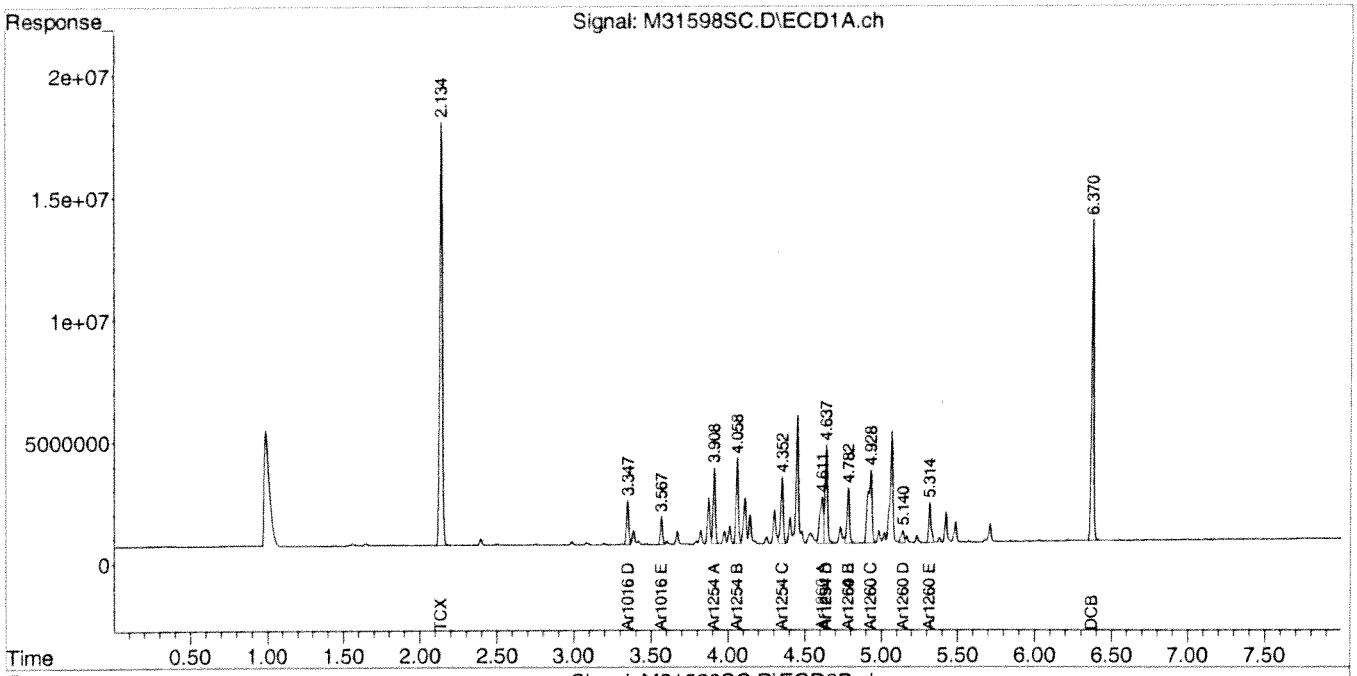
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

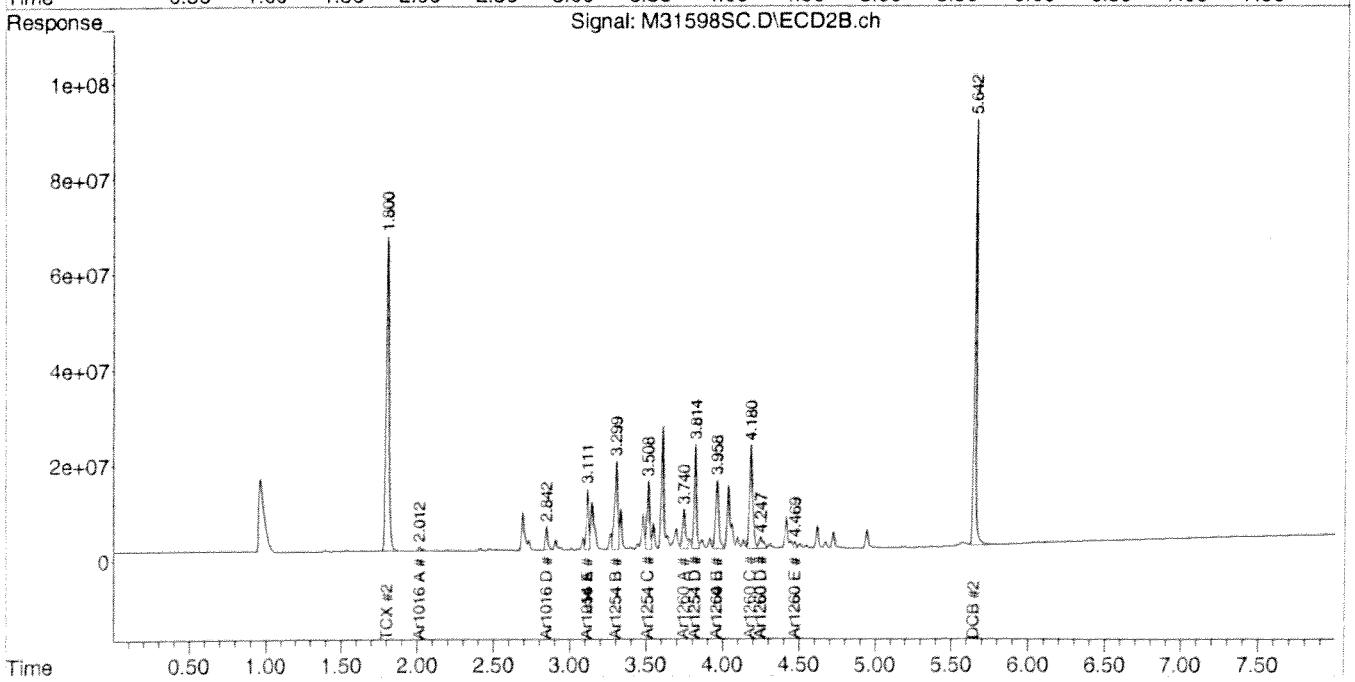
10/14/10

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31598SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 3:38 pm
Operator : JK
Sample : P5552 AR 1254 0.5 UG/ML
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 12 15:46:44 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5542 16/60 0.25 UG/ML
Column ID:	0.25 mm	Data File ID:	M31603SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

JL 10.14.10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				51.283	103		52.429	105	
PCB 1016				0.275	110		0.280	112	
PCB 1260				0.270	108		0.274	110	
DCB				50.398	101		57.397	115	

Lower Limit	Upper Limit
85	115

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: _____

_____

J101410

PCB FORM 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31603SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 4:29 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 09:02:16 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

10-14-10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.134	1.800	93879717	455.7E6	51.283	52.429
Spiked Amount	100.000 Range	46 - 122	Recovery	=	51.28%	52.43%
17) S DCB	6.369	5.642	59325832	412.5E6	50.398	57.397
Spiked Amount	100.000 Range	40 - 135	Recovery	=	50.40%	57.40%
Target Compounds						
2) L1M Ar1016 A	2.455	1.985	9844274	56117022	0.283	0.289m
3) L1M Ar1016 B	3.198	2.189	15289642	90681453	0.273m	0.274m
4) L1M Ar1016 C	3.280	2.567	9679260	76907641	0.271	0.268m
5) L1M Ar1016 D	3.347	2.842	8742925	82310450	0.277	0.281m
6) L1M Ar1016 E	3.567	3.112	12369291	34287752	0.273m	0.289
Sum Ar1016 A			55925392	340.3E6	1.377	1.401
Average Ar1016 A					0.275	0.280
7) L2M Ar1260 A	4.612	3.741	22607093	120.0E6	0.269	0.280
8) L2M Ar1260 B	4.783	3.956	26570904	180.3E6	0.273	0.270
9) L2M Ar1260 C	4.913	4.179	25599517	193.2E6	0.272	0.270
10) L2M Ar1260 D	5.127	4.269	19566037	124.7E6	0.268	0.277
11) L2M Ar1260 E	5.331	4.470	21735517	113.5E6	0.268	0.272
Sum Ar1260 A			116.1E6	731.8E6	1.350	1.370
Average Ar1260 A					0.270	0.274
12) L3M Ar1254 A	3.909	3.112	8352370	34287752	0.125	0.127
13) L3M Ar1254 B	4.059	3.300	7275544	41675577	0.099	0.080
14) L3M Ar1254 C	4.352	3.505	1181013	32268758	0.020	0.103 #
15) L3M Ar1254 D	4.612	3.818	22607093	13353587	0.250	0.028 #
16) L3M Ar1254 E	4.783	3.956	26570904	180.3E6	0.497	0.422
Sum Ar1254 A			65986925	301.9E6	0.990	0.760
Average Ar1254 A					0.198	0.152

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

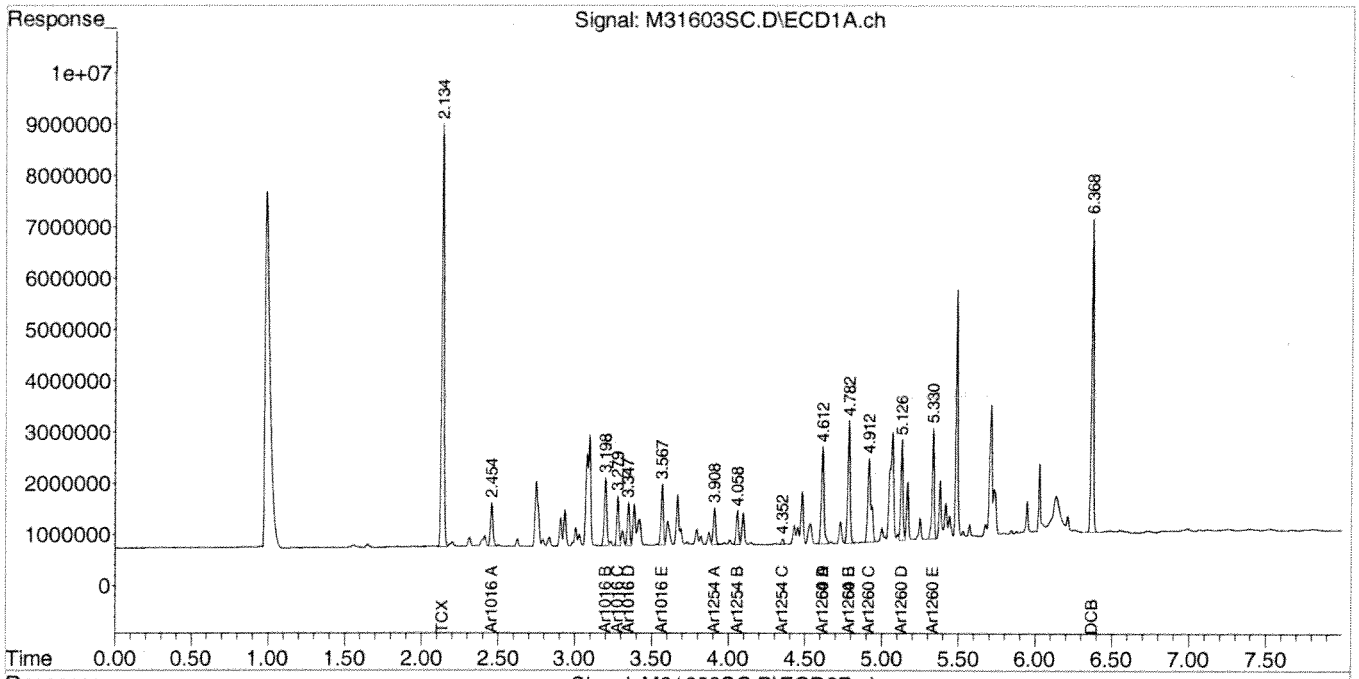
101410

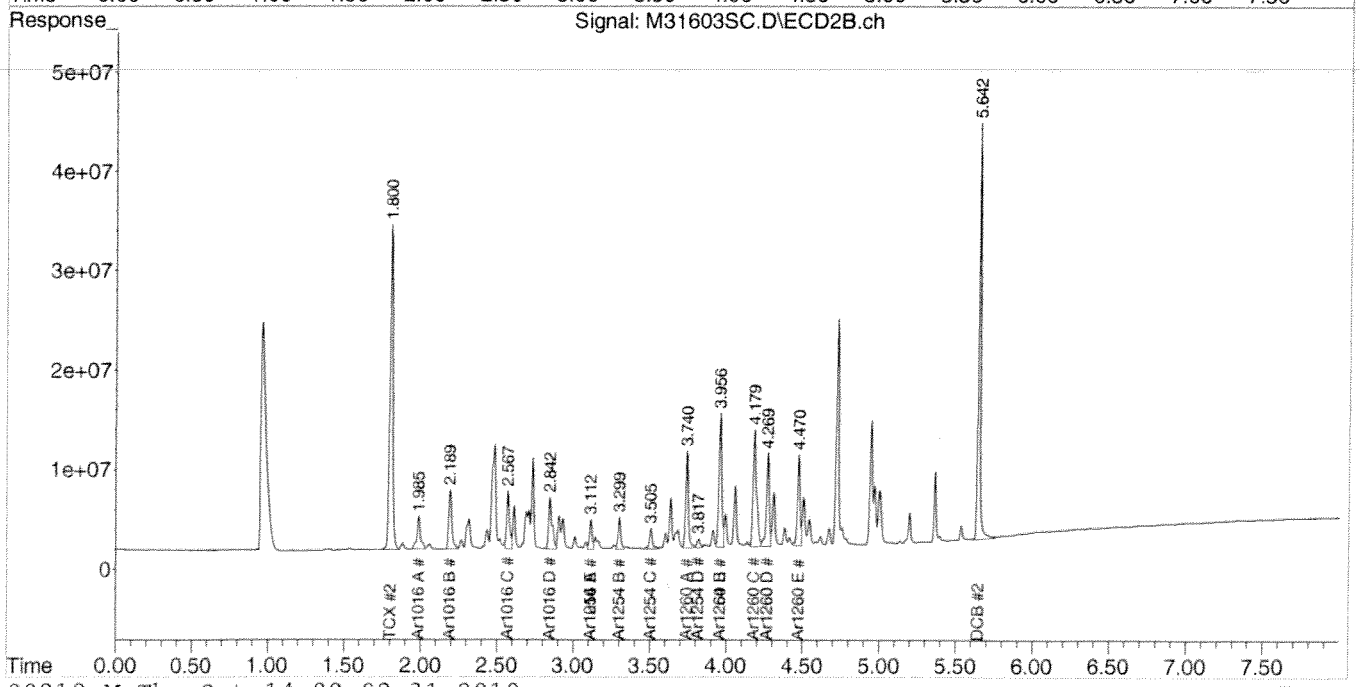
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31603SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 4:29 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 09:02:16 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





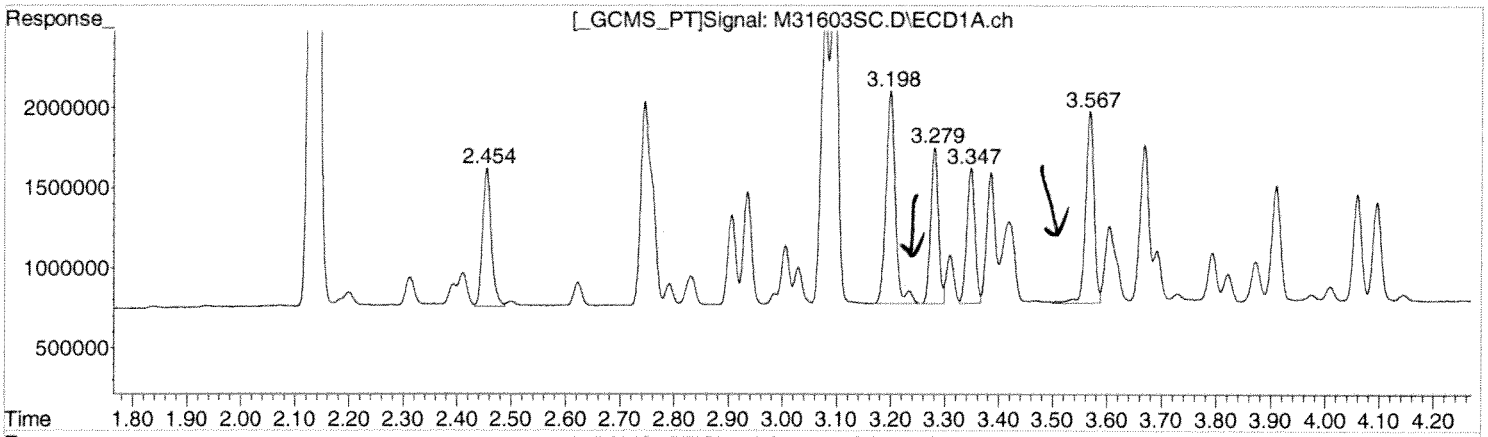
Quantitation Report (Qedit)

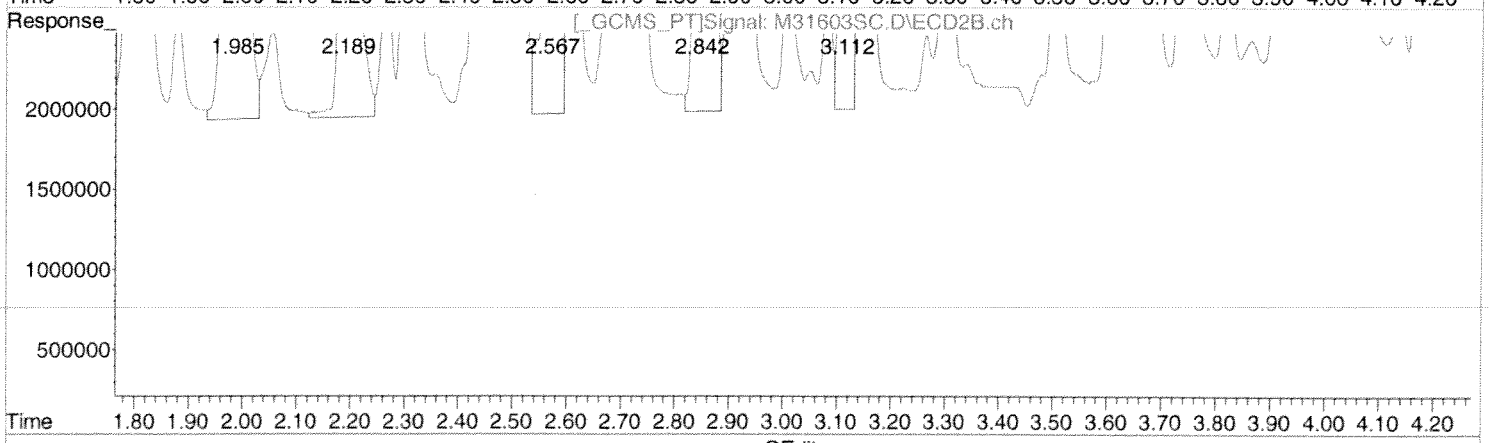
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31603SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 4:29 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 09:01:33 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-14-10 TEA





(2) Ar1016 A (L1M)

R.T.	Response	Conc
2.45	9844274	0.28
3.20	16153834	0.29
3.28	9679260	0.27
3.35	8742925	0.28
3.57	12824574	0.28

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.99	58817971	0.30
2.19	92359684	0.28
2.57	81201254	0.28
2.84	82646449	0.28
3.11	34287752	0.29

J 101410

(+) = Expected Retention Time

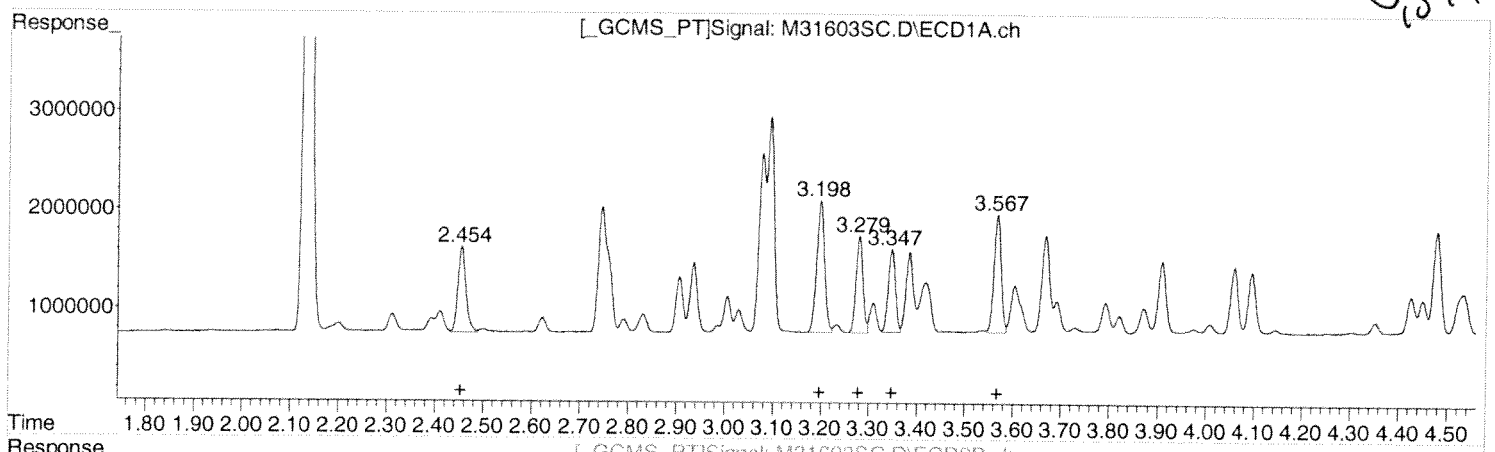
Quantitation Report (Qedit)

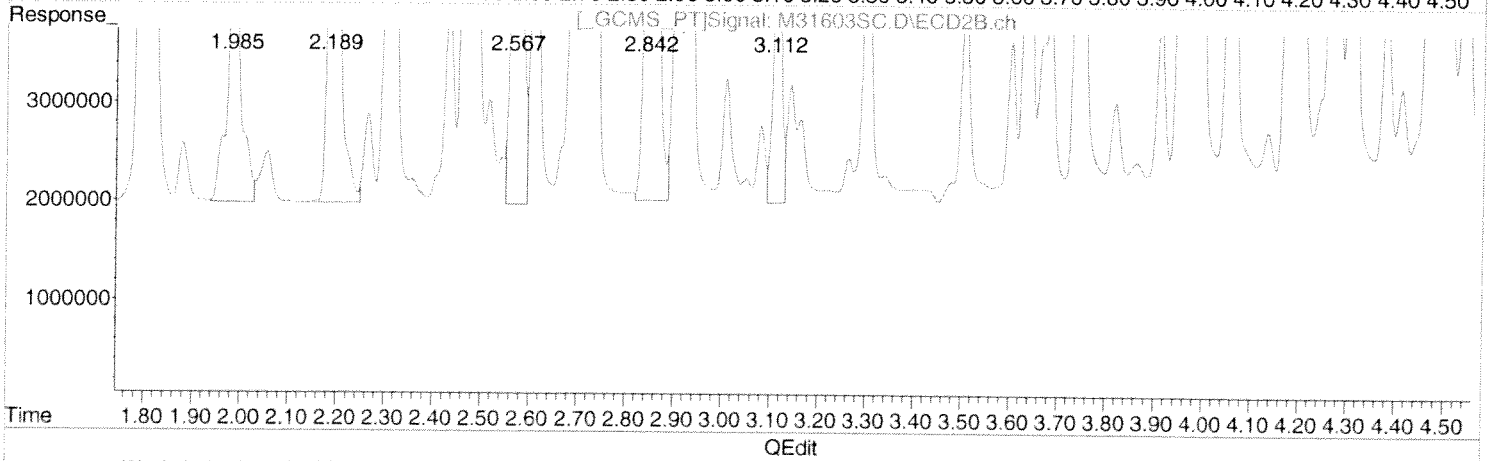
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31603SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 4:29 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 09:01:33 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-14-10





(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
2.45	9844274	0.28
3.20	15289642	0.27
3.28	9679260	0.27
3.35	8742925	0.28
3.57	12369291	0.27

(2) Ar1016 A #2 (L1M)

R.T.	Response	Conc
1.98	56117022	0.29
2.19	90681453	0.27
2.57	76907641	0.27
2.84	82310450	0.28
3.11	34287752	0.29

(+) = Expected Retention Time

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5550 AR 1254 0.25 UG/MI
Column ID:	0.25 mm	Data File ID:	M31604SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

10-14-10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.272	109		0.270	108	

Lower Limit	Upper Limit
85	115

#	Column to be used to Column to be used to flag recovery values outside of QC limits
*	Values outside QC limits

Comments: _____

10-14-10

PCB FORM 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31604SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 4:40 pm
Operator : JK
Sample : P5550 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 09:03:21 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 10-14-10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.133	1.799	97553821	467.7E6	53.290	53.813
Spiked Amount	100.000	Range	46 - 122	Recovery =	53.29%	53.81%
17) S DCB	6.369	5.642	65010349	438.8E6	55.227	61.061
Spiked Amount	100.000	Range	40 - 135	Recovery =	55.23%	61.06%
Target Compounds						
2) L1M Ar1016 A	2.460	2.012	423610	6915689	N.D.	N.D.
3) L1M Ar1016 B	3.193	2.189	630258	1088953	N.D.	N.D.
4) L1M Ar1016 C	3.234	2.568	190630	632795	N.D.	N.D.
5) L1M Ar1016 D	3.347	2.842	15099792	31611905	0.512	0.099 #
6) L1M Ar1016 E	3.567	3.112	7533842	73048311	0.153	0.639 #
Sum Ar1016 A			22633633	104.7E6	0.581	0.698
Average Ar1016 A					0.290	0.349
7) L2M Ar1260 A	4.637	3.741	39912721	57514090	0.500	0.127 #
8) L2M Ar1260 B	4.782	3.958	14120638	115.5E6	0.133	0.169 #
9) L2M Ar1260 C	4.925	4.180	28251809	167.4E6	0.304	0.233
10) L2M Ar1260 D	5.138	4.267	5561668	6678033	0.053	0.008 #
11) L2M Ar1260 E	5.315	4.470	9373369	8989708	0.102	0.018 #
Sum Ar1260 A			97220205	356.0E6	1.092	0.553
Average Ar1260 A					0.218	0.111
12) L3M Ar1254 A	3.908	3.112	18647775	73048311	0.280	0.270
13) L3M Ar1254 B	4.058	3.299	20387578	140.1E6	0.276	0.269
14) L3M Ar1254 C	4.351	3.508	16547052	84347985	0.275	0.270
15) L3M Ar1254 D	4.636	3.814	24117057	130.7E6	0.266m	0.270
16) L3M Ar1254 E	4.782	3.958	14120638	115.5E6	0.264	0.270
Sum Ar1254 A			93820100	543.7E6	1.361	1.350
Average Ar1254 A					0.272	0.270

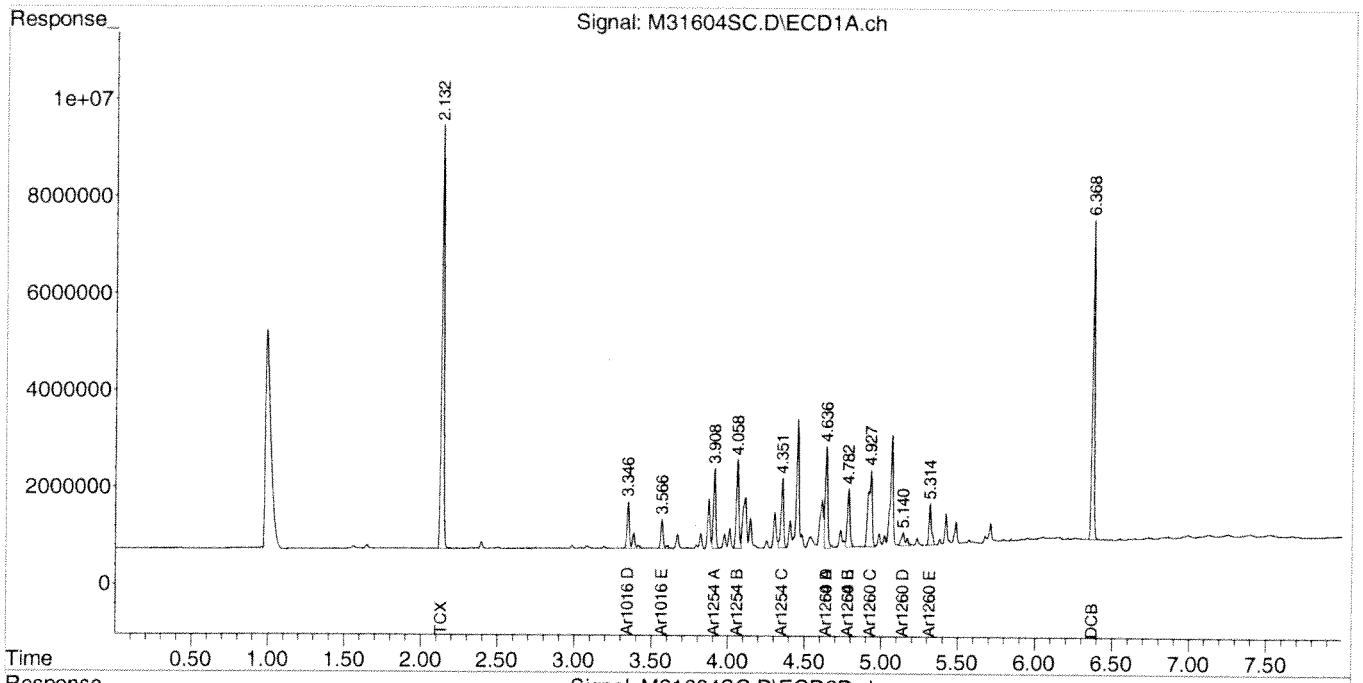
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

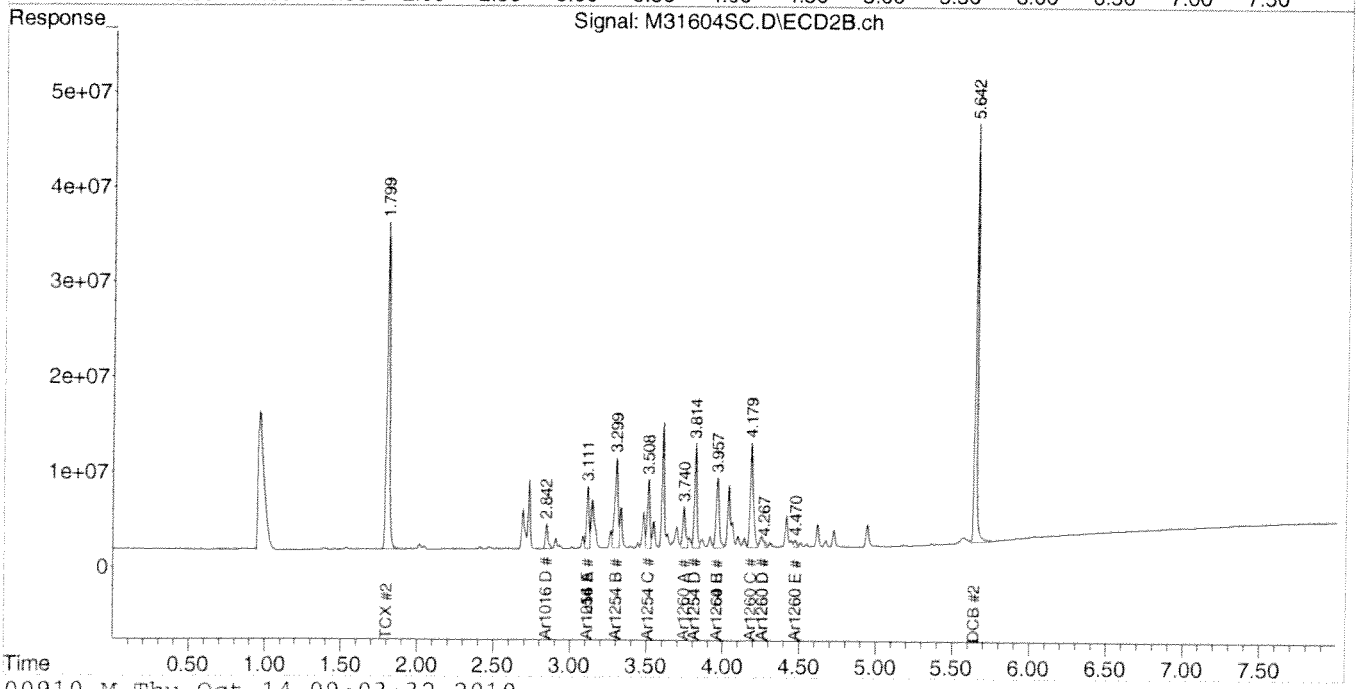
5 101410

Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31604SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 4:40 pm
Operator : JK
Sample : P5550 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 09:03:21 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



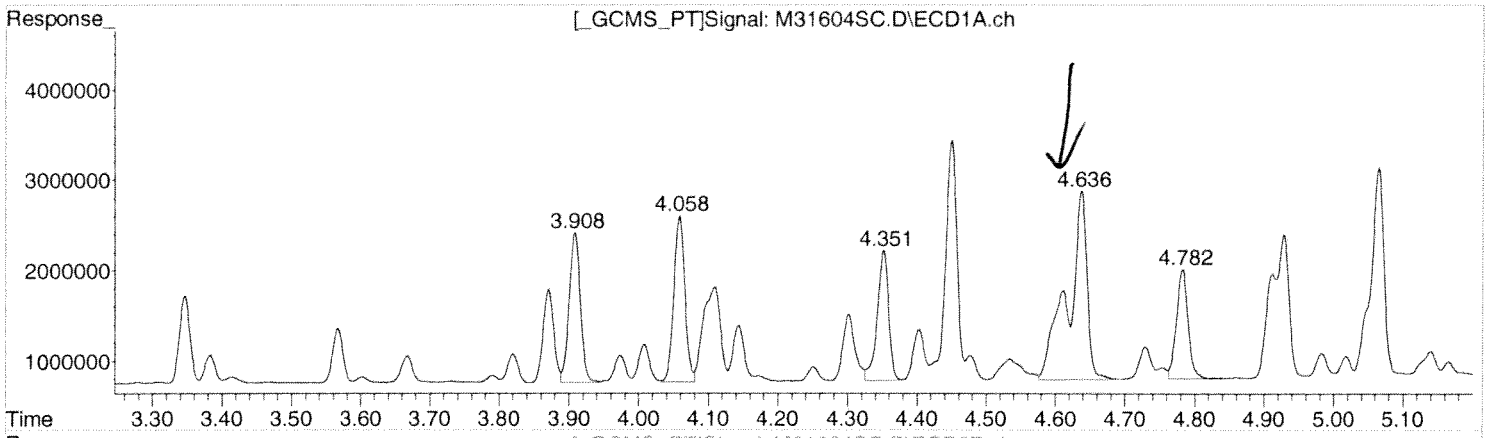


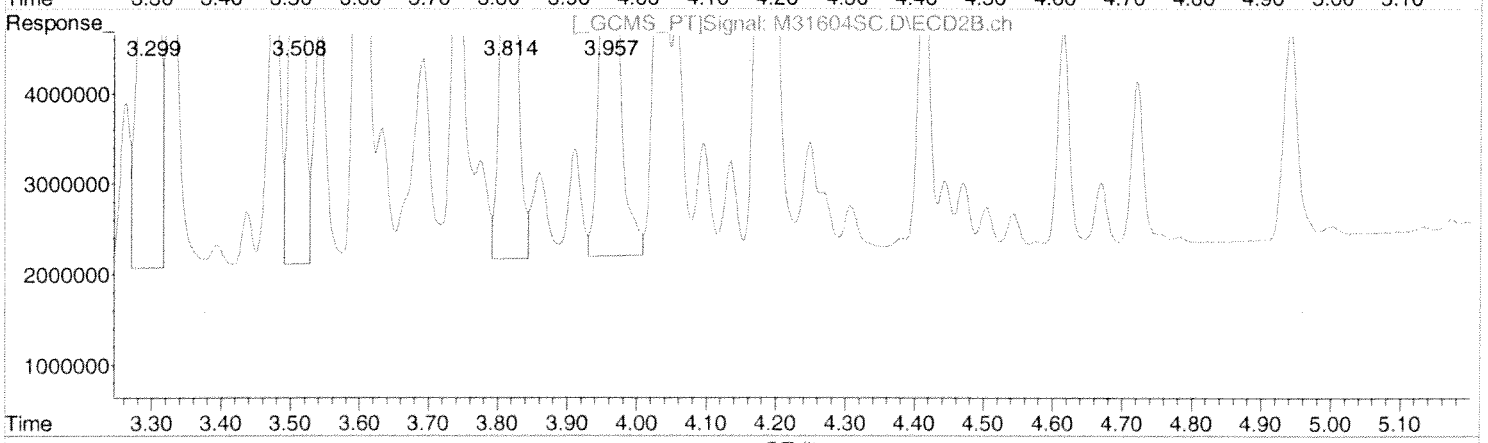
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31604SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 4:40 pm
Operator : JK
Sample : P5550 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 09:02:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.14.10 KEM





QEdit

(12) Ar1254 A (L3M)

R.T.	Response	Conc
3.91	18647775	0.28
4.06	20387578	0.28
4.35	16547052	0.27
4.64	39912721	0.44
4.78	14120638	0.26

(12) Ar1254 A #2 (L3M)

R.T.	Response	Conc
3.11	73048311	0.27
3.30	140088928	0.27
3.51	84347985	0.27
3.81	130727343	0.27
3.96	115464211	0.27

JL 10/14/10

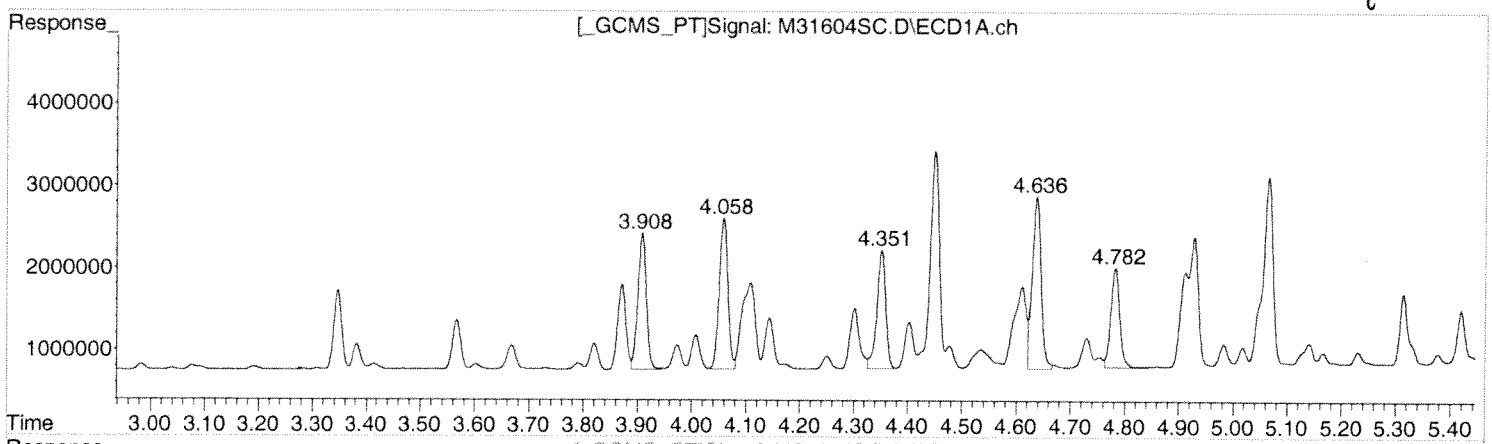
(+) = Expected Retention Time

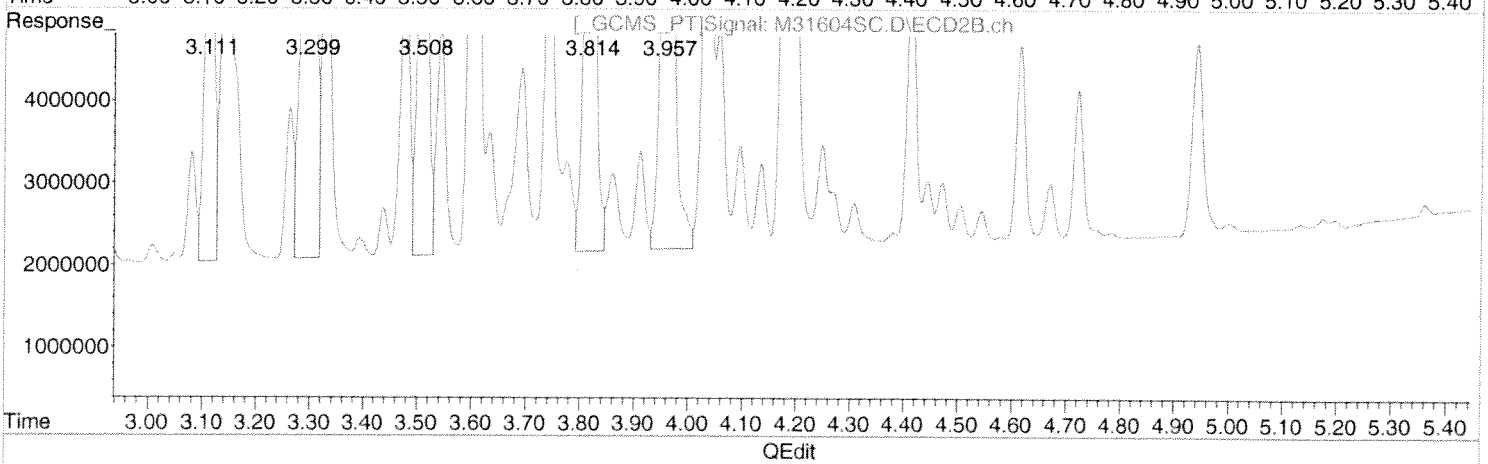
Data Path : C:\msdchem\1\DATA\101210-M\
Data File : M31604SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Oct 2010 4:40 pm
Operator : JK
Sample : P5550 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 14 09:02:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10.14.10





QEdit

(12) Ar1254 A #2 (L3M)

R.T.	Response	Conc
3.91	18647775	0.28
4.06	20387578	0.28
4.35	16547052	0.27
4.64	24117057	0.27
4.78	14120638	0.26

(12) Ar1254 A #2 (L3M)

R.T.	Response	Conc
3.11	73048311	0.27
3.30	140088928	0.27
3.51	84347985	0.27
3.81	130727343	0.27
3.96	115464211	0.27

J101410

(+) = Expected Retention Time
PCB100910.M Thu Oct 14 09:03:27 2010

PCB
CONTINUING CALIBRATION

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5542 16/60 0.25 UG/ML
Data File ID: M31811SC.D

CL 10.18.10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				51.347	103		52.592	105	
PCB 1016				0.281	112		0.235	94	
PCB 1260				0.266	106		0.259	104	
DCB				47.208	94		51.948	104	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

Column to be used to Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 101810

PCB FORM 7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31811SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:02 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 12:17:19 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

10-13-10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.128	1.794	93997428	457.1E6	51.347	52.592
Spiked Amount	100.000 Range	46 - 122	Recovery	=	51.35%	52.59%
17) S DCB	6.364	5.641	55570551	373.3E6	47.208m	51.948m
Spiked Amount	100.000 Range	40 - 135	Recovery	=	47.21%	51.95%
Target Compounds						
2) L1M Ar1016 A	2.449	1.980	10136408	42543386	0.293	0.207 #
3) L1M Ar1016 B	3.193	2.185	15544483	87342460	0.278	0.263
4) L1M Ar1016 C	3.275	2.563	9903959	72912944	0.278	0.253
5) L1M Ar1016 D	3.342	2.839	8846363	56325527	0.281	0.188 #
6) L1M Ar1016 E	3.562	3.108	12435034	31397275	0.275	0.263
Sum Ar1016 A			56866247	290.5E6	1.405	1.174
Average Ar1016 A					0.281	0.235
7) L2M Ar1260 A	4.608	3.738	22927921	110.0E6	0.274	0.255
8) L2M Ar1260 B	4.778	3.954	26233638	169.8E6	0.269	0.254
9) L2M Ar1260 C	4.909	4.177	25111684	183.4E6	0.266	0.256
10) L2M Ar1260 D	5.123	4.267	19198111	123.9E6	0.262	0.275
11) L2M Ar1260 E	5.327	4.467	21142826	106.8E6	0.260	0.256
Sum Ar1260 A			114.6E6	693.9E6	1.331	1.296
Average Ar1260 A					0.266	0.259
12) L3M Ar1254 A	3.904	3.108	8131737	31397275	0.122	0.116
13) L3M Ar1254 B	4.054	3.296	7233503	38556863	0.098	0.074
14) L3M Ar1254 C	4.347	3.501	1195966	24629902	0.020	0.079 #
15) L3M Ar1254 D	4.663	3.815	354464	10678340	0.004	0.022 #
16) L3M Ar1254 E	4.778	3.954	26233638	169.8E6	0.490	0.397
Sum Ar1254 A			43149307	275.0E6	0.734	0.689
Average Ar1254 A					0.147	0.138

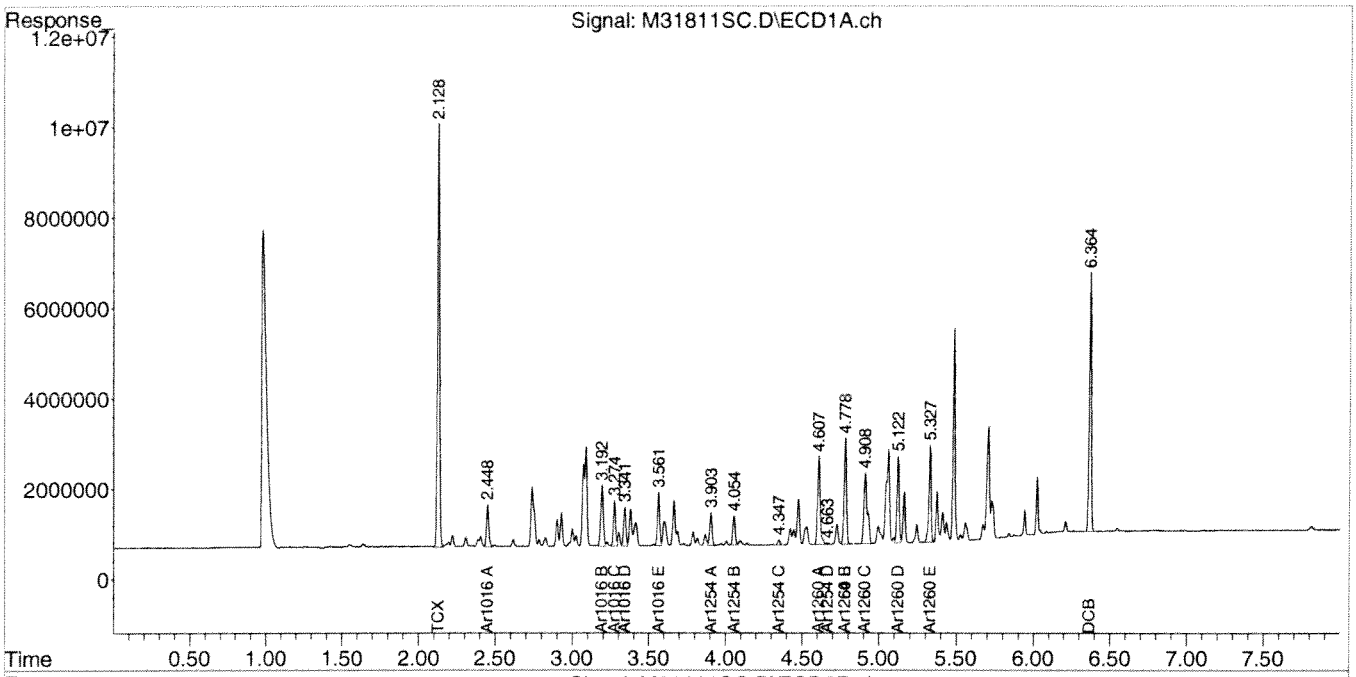
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

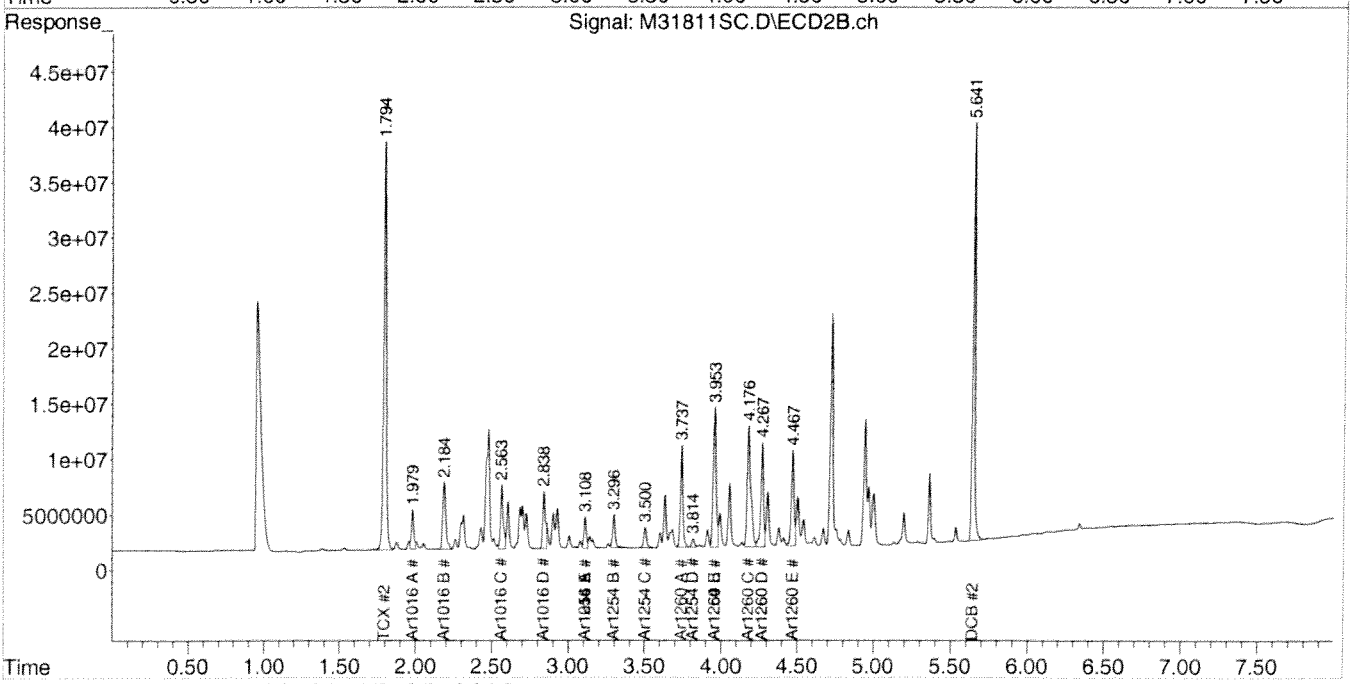
10/18/10

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31811SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:02 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 12:17:19 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



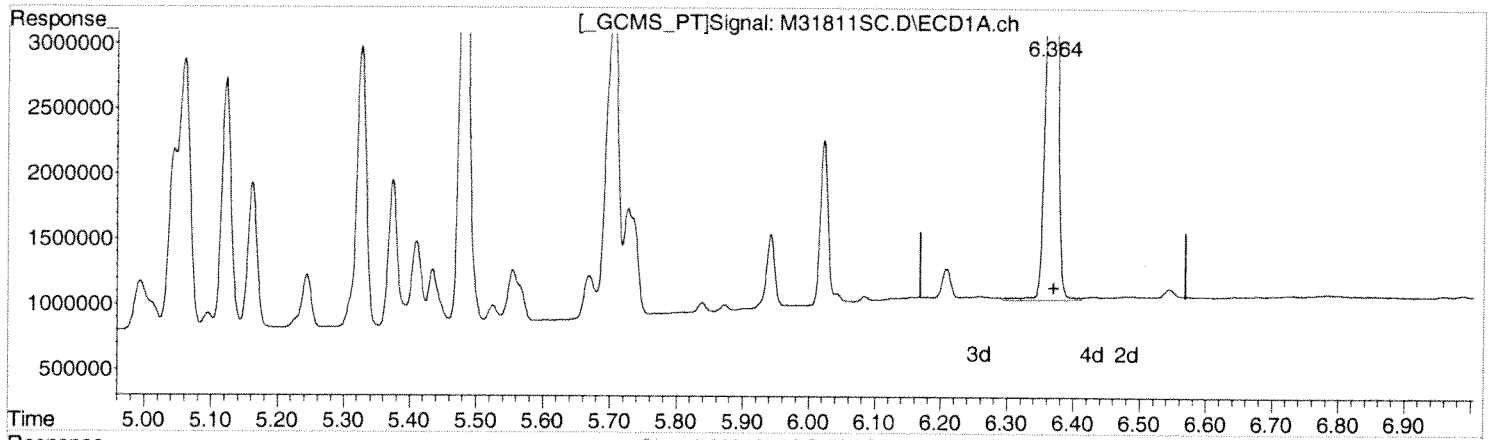


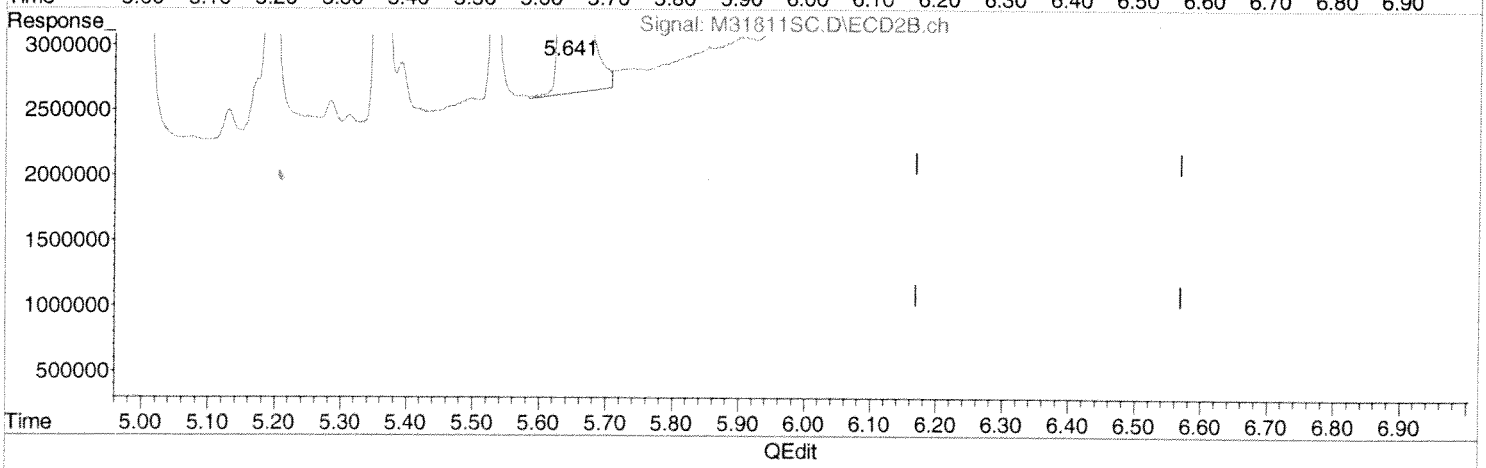
Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31811SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:02 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 12:15:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JR 10-19-10 KEM





(17) DCB (S)
6.365min 48.158 ug/ml
response 56689708

(17) DCB #2 (S)
5.641min 52.272 ug/ml
response 375673554

101810

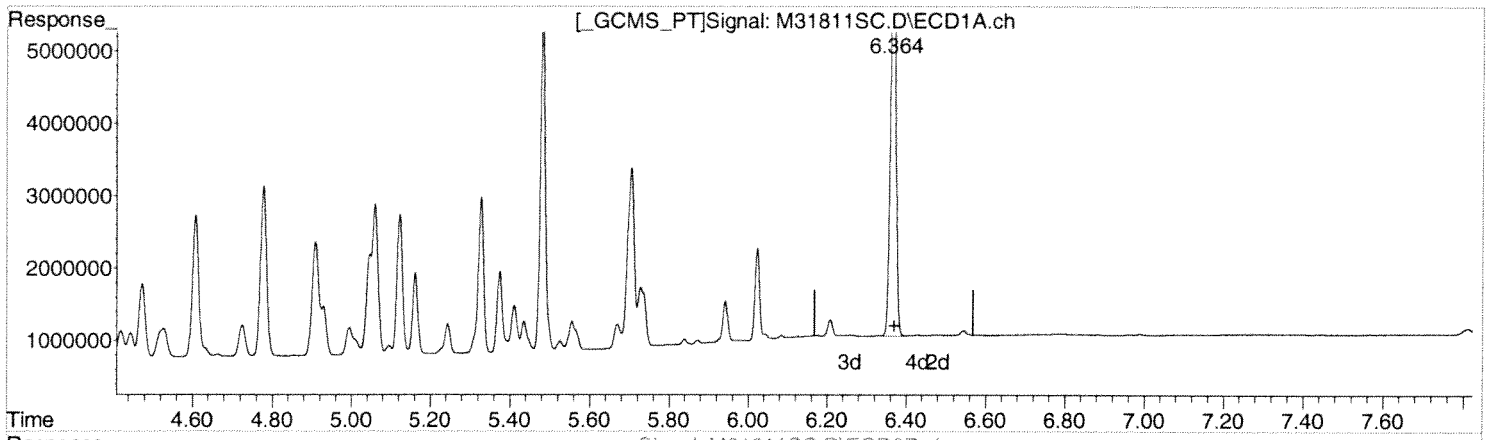
(+) = Expected Retention Time
PCB100910.M Mon Oct 18 12:17:11 2010

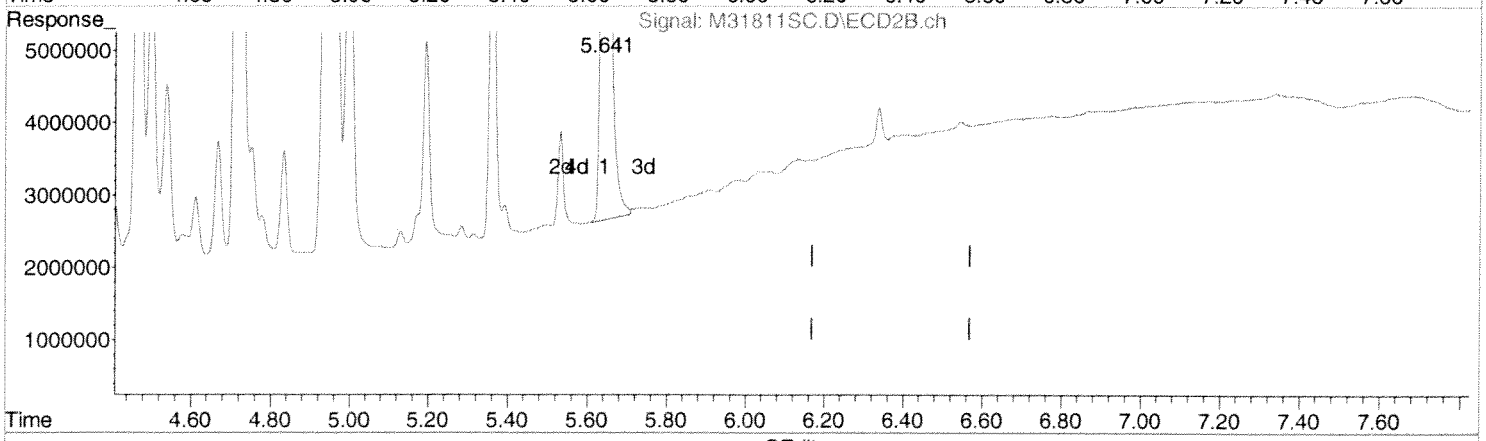
Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31811SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:02 pm
Operator : JK
Sample : P5542 16/60 0.25 UG/ML
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 12:15:57 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10.13.10





QEdit

(17) DCB (S)
6.364min 47.208 ug/ml m
response 55570551

(17) DCB #2 (S)
5.641min 51.948 ug/ml m
response 373342540

314810

(+) = Expected Retention Time
PCB100910.M Mon Oct 18 12:17:23 2010

PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5550 AR 1254 0.25 UG/MI
Column ID:	0.25 mm	Data File ID:	M31812SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

10.19.10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.271	109		0.264	106	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: 3/01/810

PCB FORM 7

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31812SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:20 pm
Operator : JK
Sample : P5550 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 12:28:10 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

10-18-10

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.134	1.793	97648535	460.3E6	53.341	52.956
Spiked Amount	100.000	Range	46 - 122	Recovery	= 53.34%	52.96%
17) S DCB	6.381	5.644	62979997	422.8E6	53.502	58.830
Spiked Amount	100.000	Range	40 - 135	Recovery	= 53.50%	58.83%
Target Compounds						
2) L1M Ar1016 A	2.459	1.978	648129	698785	N.D.	N.D.
3) L1M Ar1016 B	3.196	2.183	827674	1649697	N.D.	N.D.
4) L1M Ar1016 C	3.283	2.562	257898	651231	N.D.	N.D.
5) L1M Ar1016 D	3.351	2.838	9974946	31059913	0.123	0.097 #
6) L1M Ar1016 E	3.571	3.108	6378461	71051688	0.124	0.621 #
Sum Ar1016 A			16353407	102.1E6	0.377	0.642
Average Ar1016 A					0.188	0.321
7) L2M Ar1260 A	4.614	3.738	15924577	56208283	0.180	0.124 #
8) L2M Ar1260 B	4.786	3.955	14306213	113.9E6	0.135	0.166
9) L2M Ar1260 C	4.931	4.178	28062239	162.0E6	0.302	0.225 #
10) L2M Ar1260 D	5.142	4.268	3819864	14955481	0.026	0.026
11) L2M Ar1260 E	5.317	4.468	9319975	8407731	0.101	0.016 #
Sum Ar1260 A			71432868	355.5E6	0.744	0.558
Average Ar1260 A					0.149	0.112
12) L3M Ar1254 A	3.912	3.108	18262839	71051688	0.274	0.262
13) L3M Ar1254 B	4.062	3.296	20083994	137.1E6	0.272	0.264
14) L3M Ar1254 C	4.355	3.506	16346002	81957334	0.272	0.263
15) L3M Ar1254 D	4.641	3.812	24594384	127.5E6	0.272	0.264
16) L3M Ar1254 E	4.786	3.955	14306213	113.9E6	0.267	0.267
Sum Ar1254 A			93593432	531.5E6	1.357	1.319
Average Ar1254 A					0.271	0.264

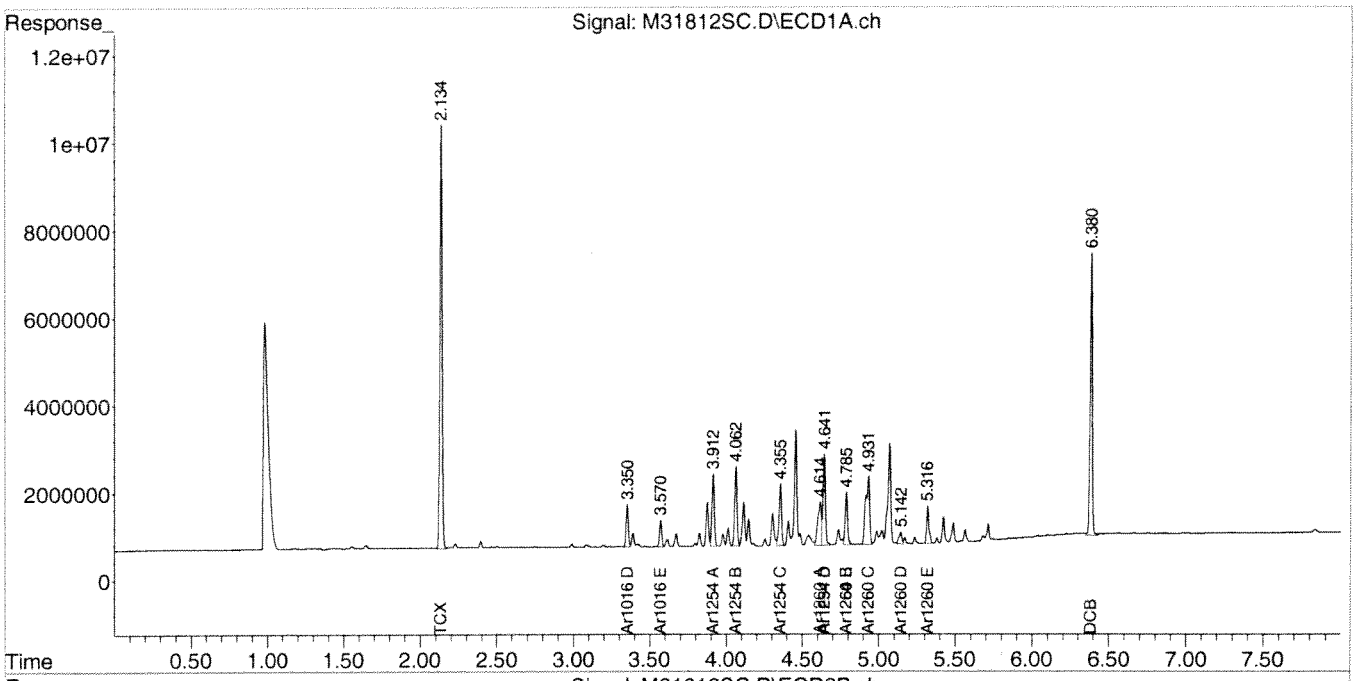
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

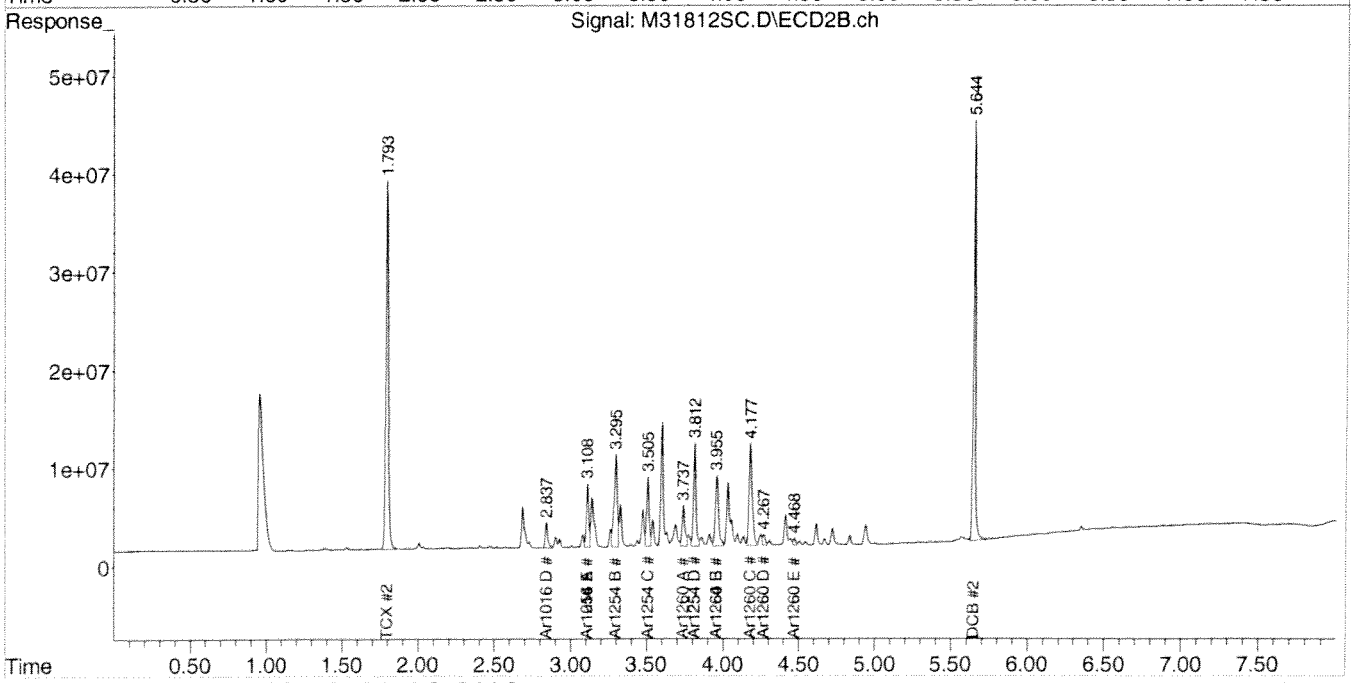
3/01/2010

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31812SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 12:20 pm
Operator : JK
Sample : P5550 AR 1254 0.25 UG/ML
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 12:28:10 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





PCB
CONTINUING CALIBRATION

Instrument ID:	M	SDG:	
GC Column #1:	STX-CLPesticides I	Standard ID:	P5544 16/60 0.5 UG/ML
Column ID:	0.25 mm	Data File ID:	M31817SC.D
GC Column #2:	STX-CLPesticides II		
Column ID:	0.25 mm		

JL 10.13.10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
TCX				100.129	100		96.212	96	
PCB 1016				0.506	101		0.444	89	
PCB 1260				0.521	104		0.439	88	
DCB				86.774	87		88.957	89	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

#	Column to be used to	Column to be used to flag recovery values outside of QC limits
*		Values outside QC limits

Comments: 101510

PCB FORM 7

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31817SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:17 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:27:25 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

JR 10-19-10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml	
System Monitoring Compounds							
1) S TCX	2.134	1.793	183.3E6	836.2E6	100.129	96.212	
Spiked Amount	100.000	Range	46 - 122	Recovery	= 100.13%	96.21%	
17) S DCB	6.375	5.643	102.1E6	639.3E6	86.773m	88.957m	
Spiked Amount	100.000	Range	40 - 135	Recovery	= 86.77%	88.96%	
Target Compounds							
2) L1M Ar1016 A	2.456	1.979	16984487	85992050	0.526	0.468	
3) L1M Ar1016 B	3.200	2.184	26942954	154.5E6	0.506	0.485	
4) L1M Ar1016 C	3.282	2.562	17050868	129.0E6	0.501	0.460	
5) L1M Ar1016 D	3.350	2.838	14768404	99572391	0.500	0.343	#
6) L1M Ar1016 E	3.570	3.108	21367504	53510243	0.497	0.463	
Sum Ar1016 A			97114217	522.6E6	2.530	2.218	
Average Ar1016 A					0.506	0.444	
7) L2M Ar1260 A	4.615	3.738	40706389	184.6E6	0.510	0.437	
8) L2M Ar1260 B	4.785	3.954	44578913	291.1E6	0.476	0.444	
9) L2M Ar1260 C	4.915	4.177	42704277	313.6E6	0.476	0.445	
10) L2M Ar1260 D	5.128	4.267	40765206	194.0E6	0.592m	0.436	#
11) L2M Ar1260 E	5.332	4.468	42852755	178.9E6	0.551	0.432	
Sum Ar1260 A			211.6E6	1162.1E6	2.605	2.193	
Average Ar1260 A					0.521	0.439	
12) L3M Ar1254 A	3.912	3.108	14977542	53510243	0.225	0.197	
13) L3M Ar1254 B	4.061	3.296	12621614	63491189	0.171	0.122	#
14) L3M Ar1254 C	4.354	3.501	2417484	41385978	0.040	0.138	#
15) L3M Ar1254 D	4.615	3.815	40706389	14645377	0.450	0.030	#
16) L3M Ar1254 E	4.785	3.954	44578913	291.1E6	0.833	0.682	
Sum Ar1254 A			115.3E6	464.1E6	1.719	1.164	
Average Ar1254 A					0.344	0.233	

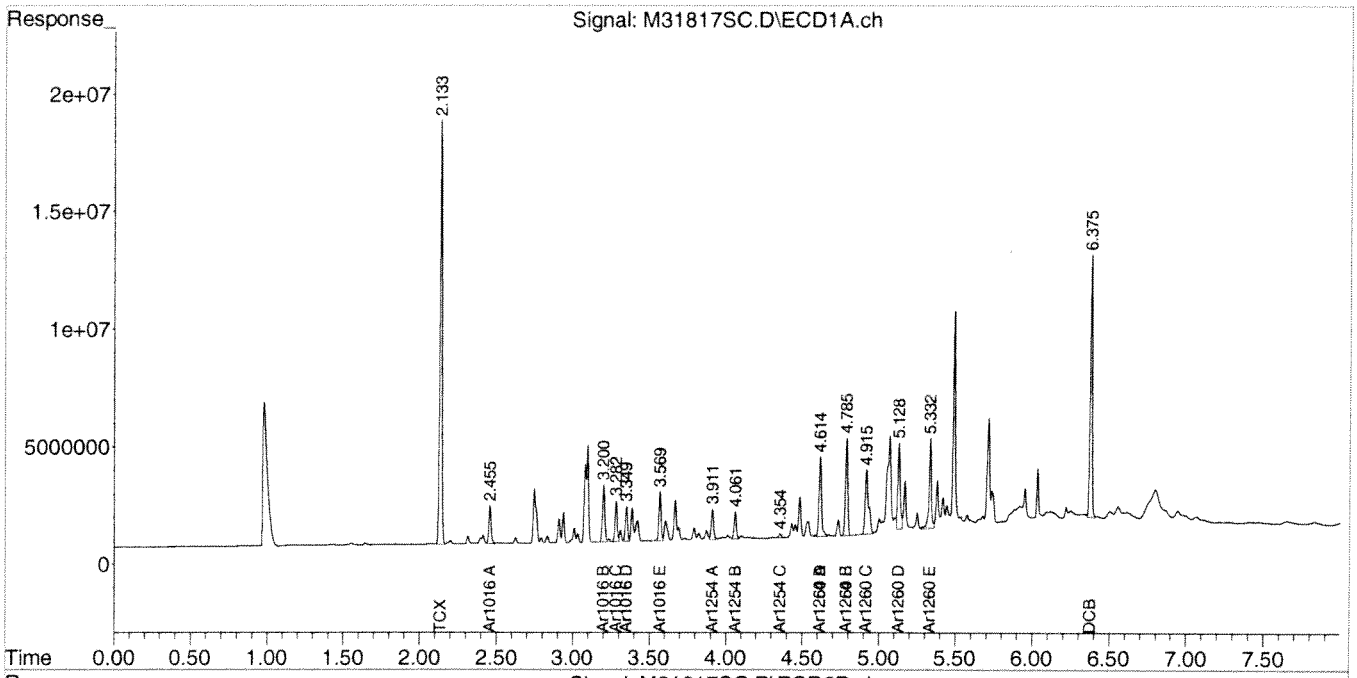
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

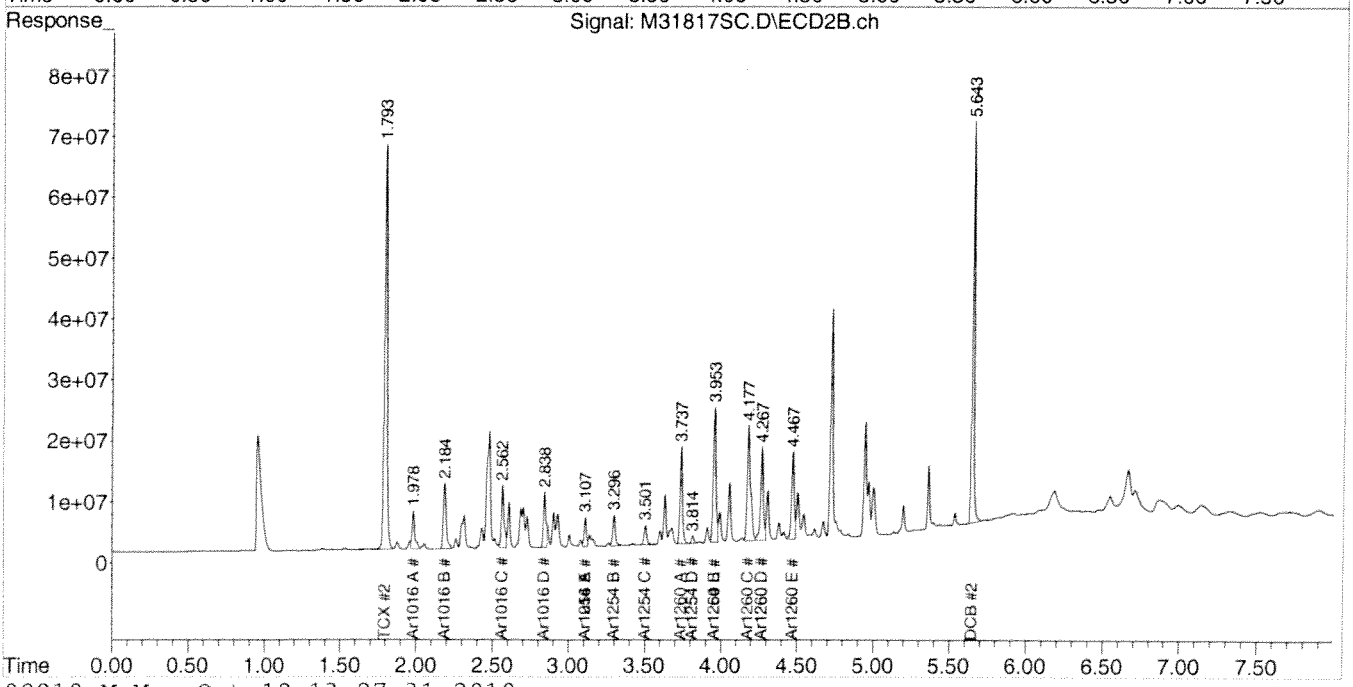
3/101810

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31817SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:17 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:27:25 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um



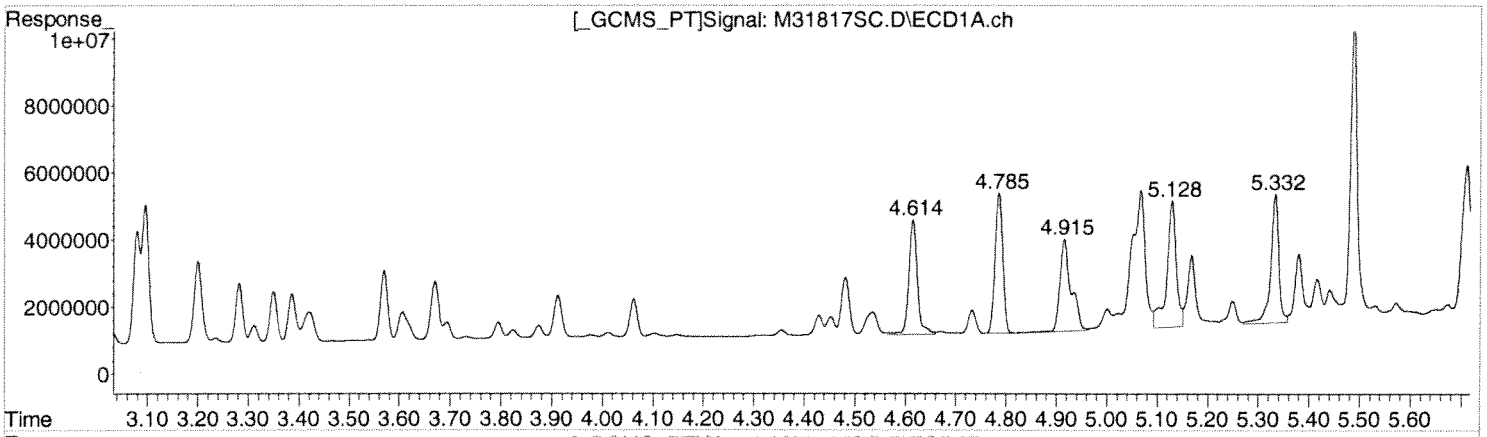


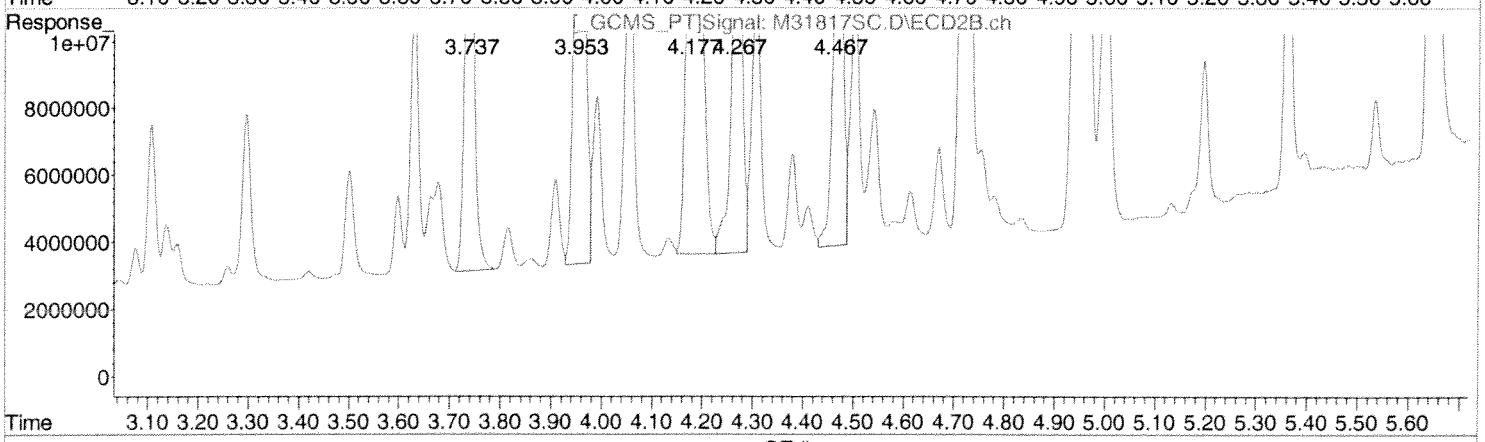
Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31817SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:17 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:26:39 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-10-1 XCD





QEdit

(7) Ar1260 A (L2M)

R.T.	Response	Conc
4.61	40706389	0.51
4.79	44578913	0.48
4.91	42704277	0.48
5.13	49370118	0.72
5.33	42852755	0.55

(7) Ar1260 A #2 (L2M)

R.T.	Response	Conc
3.74	184559575	0.44
3.95	291107648	0.44
4.18	313552261	0.44
4.27	194040260	0.44
4.47	178877155	0.43

3/101 8.0

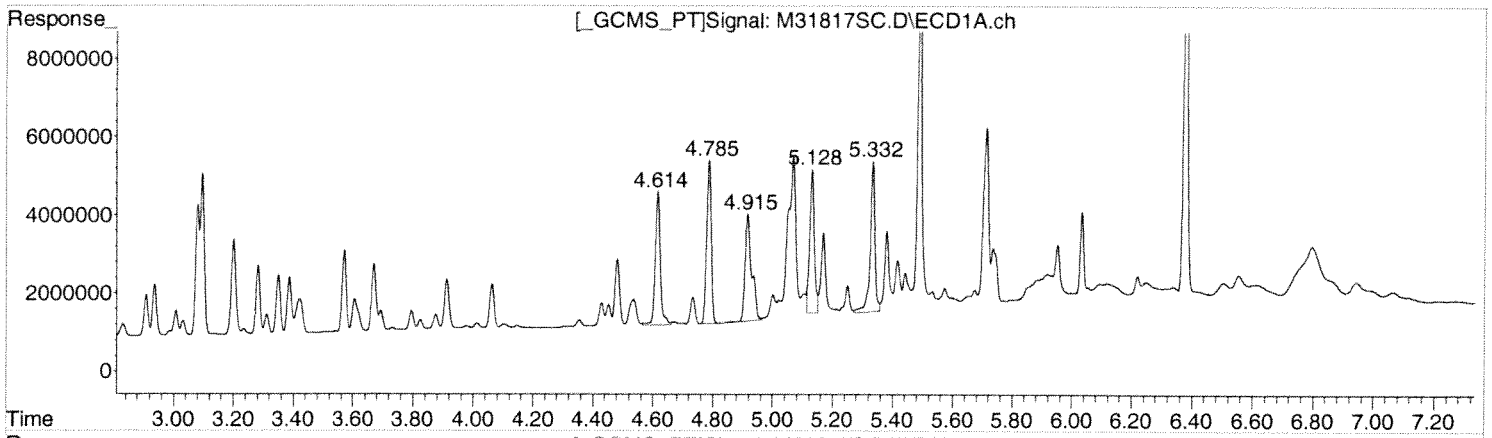
(+) = Expected Retention Time

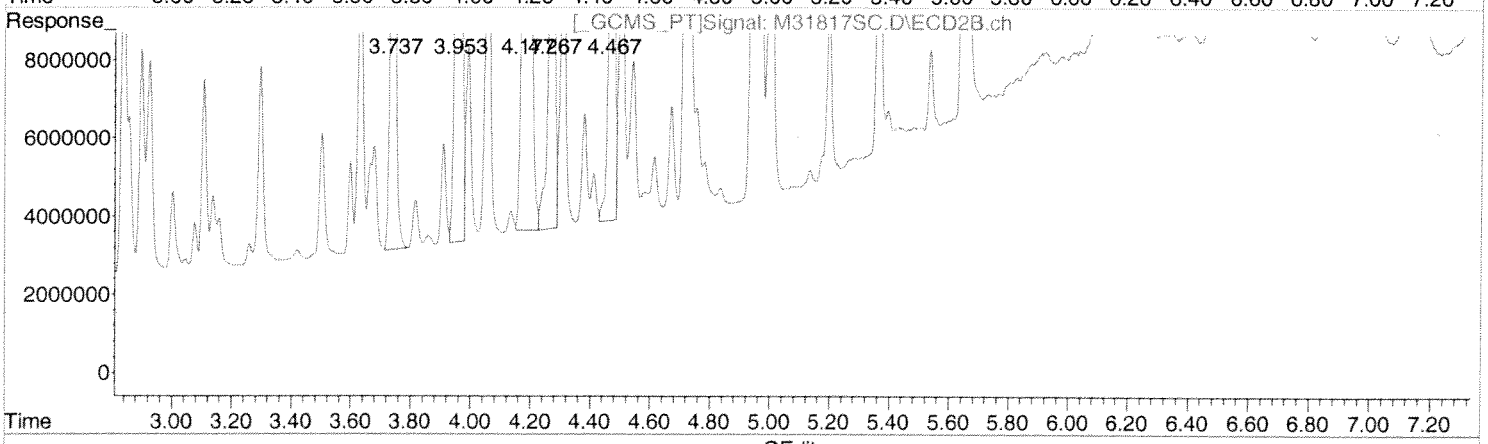
Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31817SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:17 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:26:39 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 10-18-10





QEdit

(7) Ar1260 A #2 (L2M)

R.T.	Response	Conc
4.61	40706389	0.51
4.79	44578913	0.48
4.91	42704277	0.48
5.13	40765206	0.59
5.33	42852755	0.55

(7) Ar1260 A #2 (L2M)

R.T.	Response	Conc
3.74	184559575	0.44
3.95	291107648	0.44
4.18	313552261	0.44
4.27	194040260	0.44
4.47	178877155	0.43

JL 10/18/10

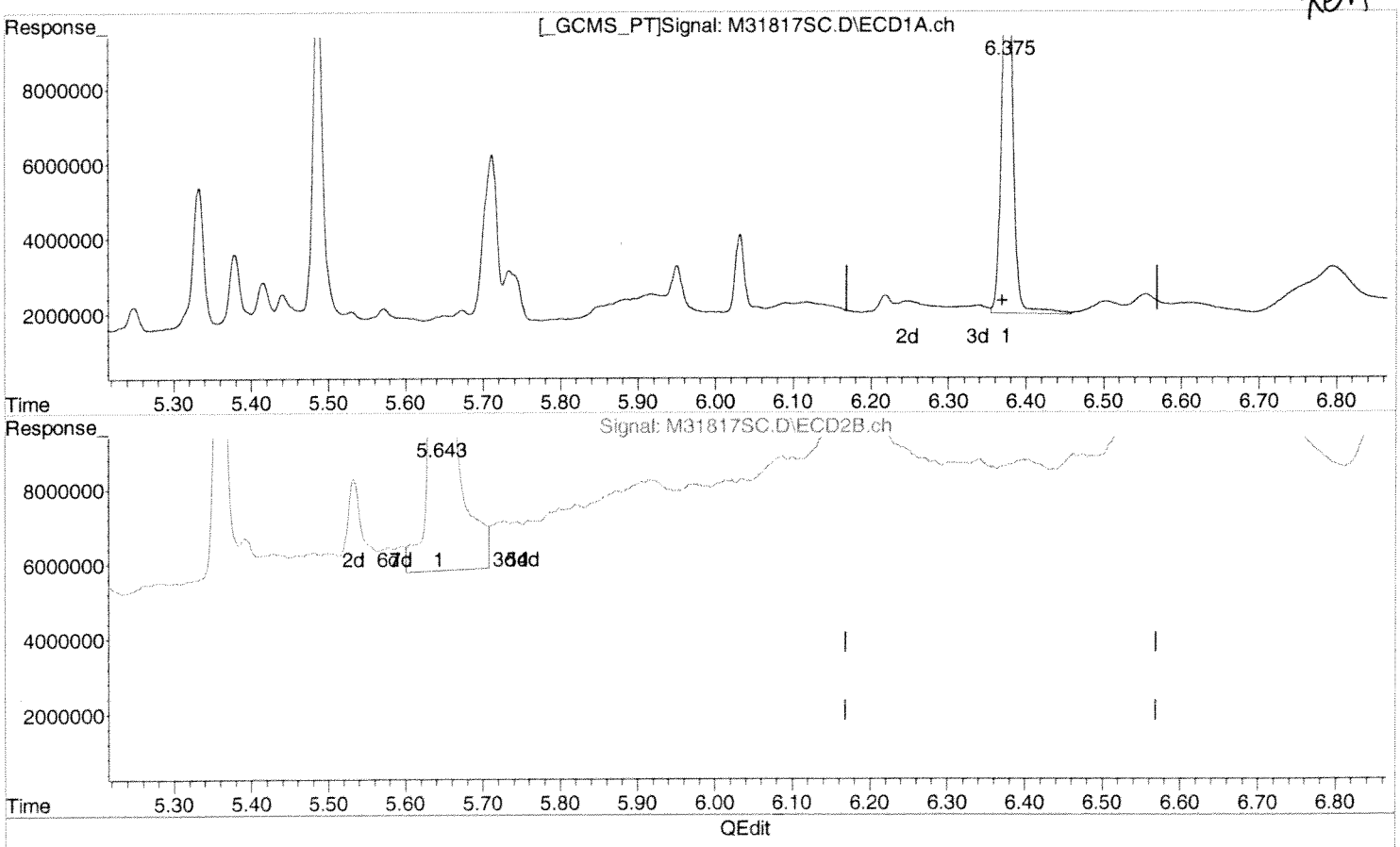
(+) = Expected Retention Time

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31817SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:17 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:26:39 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JR 10.18.10 KEA



(17) DCB (S)
6.375min 90.681 ug/ml
response 106745281

(17) DCB #2 (S)
5.644min 96.525 ug/ml
response 693714170

10/18/10

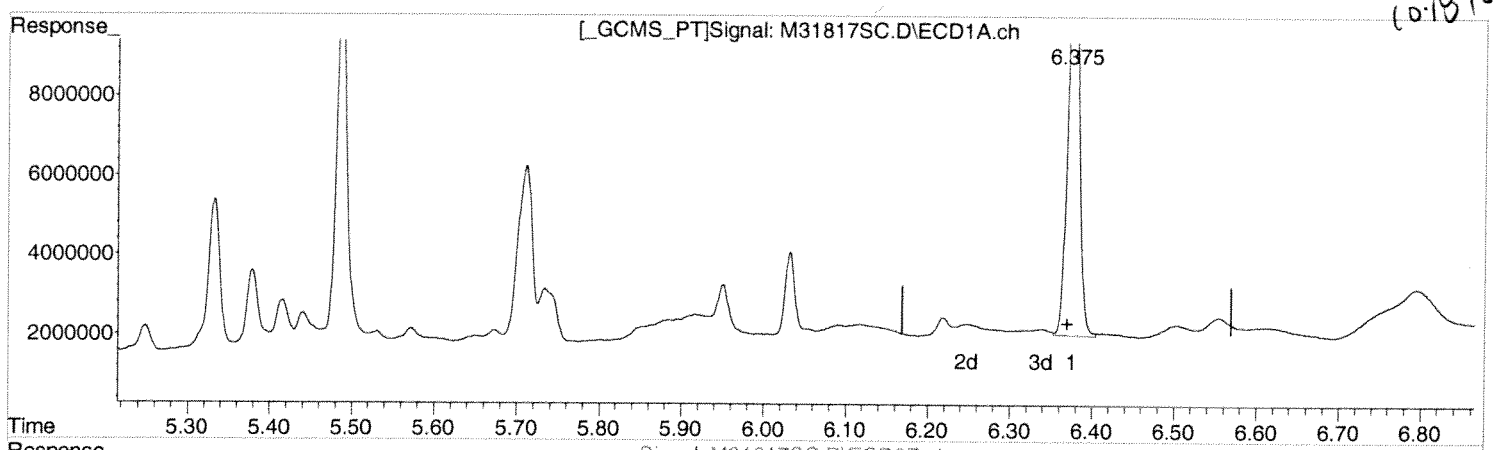
(+) = Expected Retention Time
PCB100910.M Mon Oct 18 13:27:16 2010

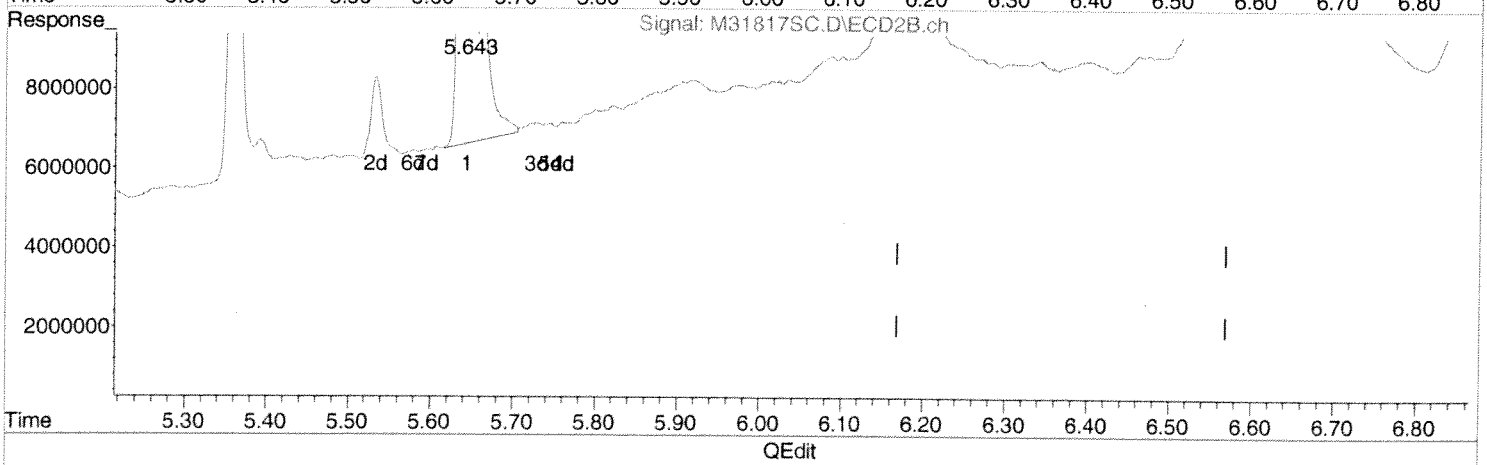
Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31817SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:17 pm
Operator : JK
Sample : P5544 16/60 0.5 UG/ML
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:26:39 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 10-18-10





QEdit

(17) DCB (S)

6.375min 86.773 ug/ml m

response 102145583

(17) DCB #2 (S)

5.643min 88.957 ug/ml m

response 639326154

10/18/10

(+) = Expected Retention Time

PCB
CONTINUING CALIBRATION

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:
Standard ID: P5552 AR 1254 0.5 UG/ML
Data File ID: M31818SC.D

JL 10.13.10

				Column #1			Column #2		
COMPOUND				STANDARD RESULT (ug/mL)	% Recovery	#	STANDARD RESULT (ug/mL)	% Recovery	#
PCB 1254				0.492	98		0.504	101	

	Lower Limit	Upper Limit
DOD/MCP LIMITS	80	120

Column to be used to Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: 3/01/3/0

PCB FORM 7

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31818SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:29 pm
Operator : JK
Sample : P5552 AR 1254 0.5 UG/ML
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:37:56 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

JK 10-19-10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/ml	ug/ml
System Monitoring Compounds						
1) S TCX	2.132	1.793	196.8E6	907.0E6	107.527	104.351
Spiked Amount	100.000 Range	46 - 122	Recovery	=	107.53%	104.35%
17) S DCB	6.372	5.643	118.7E6	816.6E6	100.839	113.630
Spiked Amount	100.000 Range	40 - 135	Recovery	=	100.84%	113.63%
Target Compounds						
2) L1M Ar1016 A	2.455	2.006	391294	14507556	N.D.	0.039 #
3) L1M Ar1016 B	3.192	2.184	740029	1905046	N.D.	N.D.
4) L1M Ar1016 C	3.281	2.579	186407	1827806	N.D.	N.D.
5) L1M Ar1016 D	3.347	2.838	18092325	56731118	0.622	0.189 #
6) L1M Ar1016 E	3.568	3.108	11293599	134.4E6	0.246	1.193 #
Sum Ar1016 A			29385923	205.6E6	0.786	1.395
Average Ar1016 A					0.393	0.465
7) L2M Ar1260 A	4.612	3.738	28540886	100.4E6	0.348	0.232 #
8) L2M Ar1260 B	4.783	3.956	24698634	202.2E6	0.252	0.305
9) L2M Ar1260 C	4.928	4.178	50055747	302.5E6	0.564	0.429
10) L2M Ar1260 D	5.140	4.246	5501112	37281727	0.052	0.077 #
11) L2M Ar1260 E	5.315	4.468	17179378	13078292	0.207	0.027 #
Sum Ar1260 A			126.0E6	655.5E6	1.423	1.070
Average Ar1260 A					0.285	0.214
12) L3M Ar1254 A	3.909	3.108	33594786	134.4E6	0.504	0.496
13) L3M Ar1254 B	4.060	3.295	36935657	289.6E6	0.500	0.557
14) L3M Ar1254 C	4.352	3.505	29862731	155.4E6	0.496	0.498
15) L3M Ar1254 D	4.638	3.812	44965949	239.4E6	0.497	0.495
16) L3M Ar1254 E	4.783	3.956	24698634	202.2E6	0.462	0.473
Sum Ar1254 A			170.1E6	1020.9E6	2.459	2.519
Average Ar1254 A					0.492	0.504

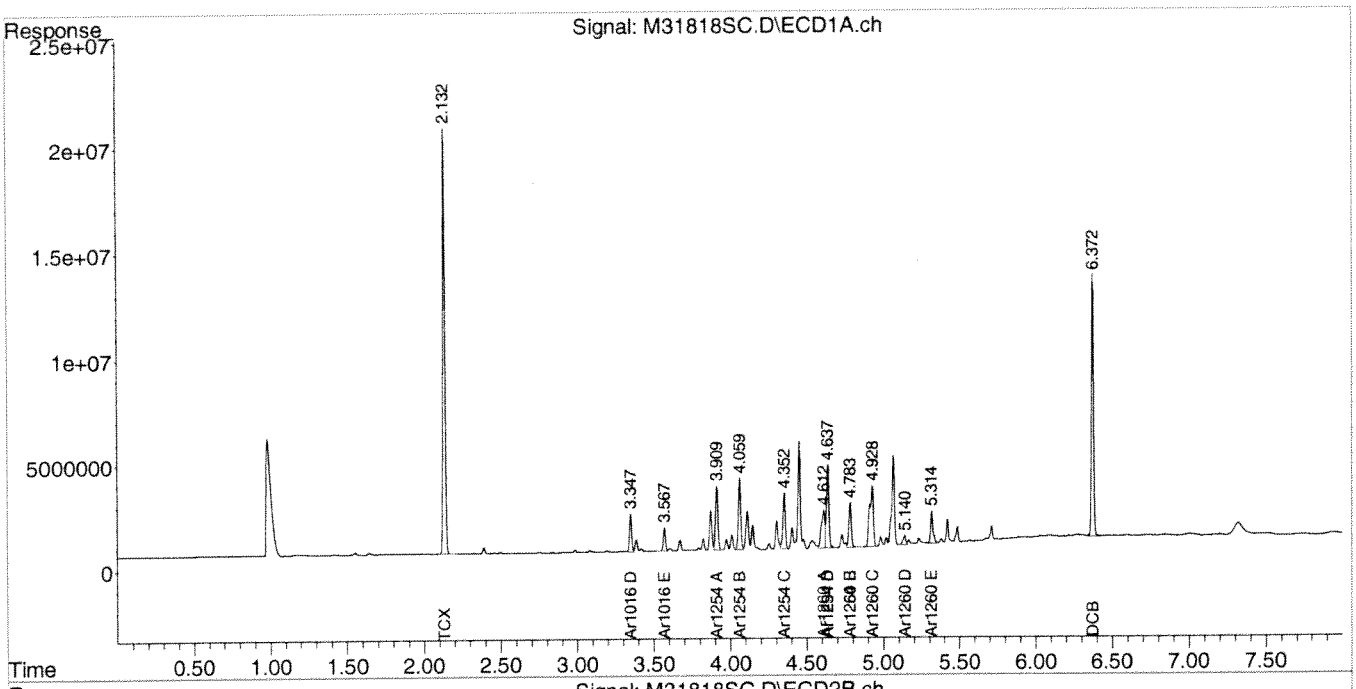
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

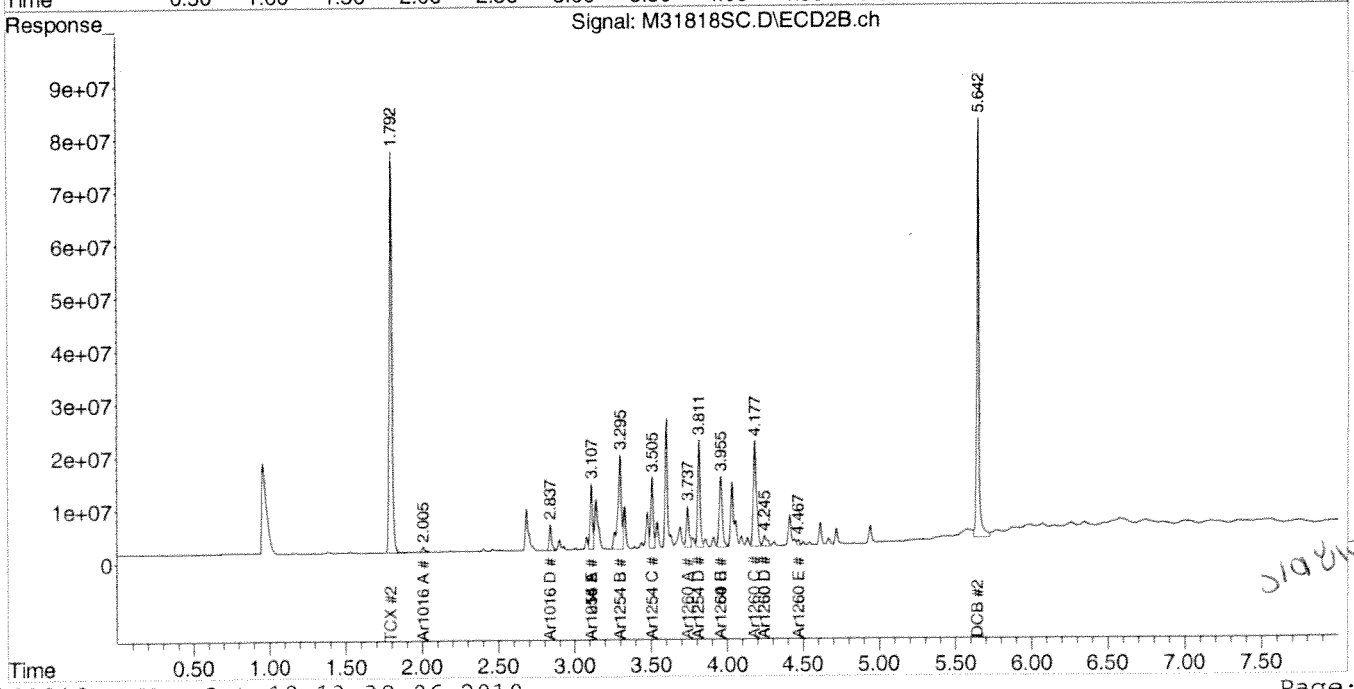
>101810

Data Path : C:\msdchem\1\DATA\101810-M\
Data File : M31818SC.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Oct 2010 1:29 pm
Operator : JK
Sample : P5552 AR 1254 0.5 UG/ML
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 18 13:37:56 2010
Quant Method : C:\msdchem\1\METHODS\PCB100910.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Tue Oct 12 11:29:57 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





3/19/10

PCB
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5544 16/60 0.5 UG/ML	M31537SI.D	10/9/2010 13:11	2.13		6.37		1.80		5.64	
Upper Limit			2.19		6.40		1.86		5.67	
Lower limit			2.07		6.34		1.74		5.61	
SAMPLE ID										
P5538 16/60 0.02 UG/ML	M31533SI.D	10/9/2010 12:30	2.13		6.37		1.80		5.64	
P5539 16/60 0.05 UG/ML	M31534SI.D	10/9/2010 12:40	2.13		6.37		1.80		5.64	
P5540 16/60 0.1 UG/ML	M31535SI.D	10/9/2010 12:50	2.13		6.37		1.80		5.64	
P5542 16/60 0.25 UG/ML	M31536SI.D	10/9/2010 13:01	2.13		6.37		1.80		5.64	
P5544 16/60 0.5 UG/ML	M31537SI.D	10/9/2010 13:11	2.13		6.37		1.80		5.64	
P5485 16/60 0.75 UG/ML	M31538SI.D	10/9/2010 13:21	2.13		6.37		1.80		5.64	
P5545 16/60 1.0 UG/ML	M31539SI.D	10/9/2010 13:31	2.13		6.37		1.80		5.64	
P5546 16/60 2.0 UG/ML	M31540SI.D	10/9/2010 13:42	2.13		6.37		1.80		5.64	
P5549 16/60 ICV 0.5 UG/ML	M31541CC.D	10/9/2010 13:52	2.13		6.37		1.80		5.64	
P5489 AR 1254 0.0625 UG/M	M31542SI.D	10/9/2010 14:02	2.14		6.37		1.80		5.64	
P5490 AR 1254 0.125 UG/ML	M31543SI.D	10/9/2010 14:12	2.14		6.37		1.80		5.64	
P5491 AR 1254 0.25 UG/ML	M31544SI.D	10/9/2010 14:23	2.14		6.37		1.80		5.64	
P5552 AR 1254 0.5 UG/ML	M31545SI.D	10/9/2010 14:33	2.13		6.37		1.80		5.64	
P5495 AR 1254 1.0 UG/ML	M31546SI.D	10/9/2010 14:43	2.13		6.37		1.80		5.64	
P5496 AR 1254 2.0 UG/ML	M31547SI.D	10/9/2010 14:54	2.13		6.37		1.80		5.64	
P5498 AR 1254 ICV 0.5 UG/M	M31548CC.D	10/9/2010 15:04	NA		NA		NA		NA	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

PCB
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 68000

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5542 16/60 0.25 UG/ML	M31580SC.D	10/12/2010 12:30	2.14		6.37		1.80		5.64	
Upper Limit			2.20		6.40		1.86		5.67	
Lower limit			2.08		6.34		1.74		5.61	
SAMPLE ID										
P5550 AR 1254 0.25 UG/ML	M31581SC.D	10/12/2010 12:40	2.14		6.37		1.80		5.64	
B100810PW	M31582B.D	10/12/2010 12:54	2.14		6.38		1.80		5.65	
L100810PWB	M31583Q.D	10/12/2010 13:04	2.14		6.37		1.81		5.64	
LD100810PWB	M31584Q.D	10/12/2010 13:14	2.14		6.37		1.80		5.64	
L100810PWB2	M31585Q.D	10/12/2010 13:25	2.14		6.37		1.80		5.64	
LD100810PWB2	M31586Q.D	10/12/2010 13:35	2.14		6.37		1.80		5.64	
P5544 16/60 0.5 UG/ML	M31597SC.D	10/12/2010 15:28	2.13		6.37		1.80		5.64	
P5552 AR 1254 0.5 UG/ML	M31598SC.D	10/12/2010 15:38	2.13		6.37		1.80		5.64	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

PCB
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 68000

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5544 16/60 0.5 UG/ML	M31597SC.D	10/12/2010 15:28	2.13		6.37		1.80		5.64	
Upper Limit			2.19		6.40		1.86		5.67	
Lower limit			2.07		6.34		1.74		5.61	

SAMPLE ID										
P5552 AR 1254 0.5 UG/ML	M31598SC.D	10/12/2010 15:38	2.13		6.37		1.80		5.64	
B100810PW	M31599B.D	10/12/2010 15:48	2.13		6.37		1.80		5.64	
68000-2	M31600.D	10/12/2010 15:59	2.14		6.37		1.80		5.64	
P5542 16/60 0.25 UG/ML	M31603SC.D	10/12/2010 16:29	2.13		6.37		1.80		5.64	
P5550 AR 1254 0.25 UG/ML	M31604SC.D	10/12/2010 16:40	2.13		6.37		1.80		5.64	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

PCB
SYSTEM MONITORING COMPOUND
RETENTION TIME SUMMARY

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG:

STANDARD	FILE NAME	ANALYSIS DATE & TIME	COLUMN #1 SMC 1 RT	#	COLUMN #1 SMC 2 RT	#	COLUMN #2 SMC 1 RT	#	COLUMN #2 SMC 2 RT	#
P5542 16/60 0.25 UG/ML	M31811SC.D	10/18/2010 12:02	2.13		6.36		1.79		5.64	
Upper Limit			2.19		6.39		1.85		5.67	
Lower limit			2.07		6.33		1.73		5.61	
SAMPLE ID										
P5550 AR 1254 0.25 UG/ML	M31812SC.D	10/18/2010 12:20	2.13		6.38		1.79		5.64	
B101210PSOX2,RR2,,A/C	M31813B.D	10/18/2010 12:31	2.13		6.37		1.79		5.64	
L101210PSOX2,RR2,,A/C	M31814Q.D	10/18/2010 12:41	2.13		6.37		1.79		5.64	
LD101210PSOX2,RR2,,A/C	M31815Q.D	10/18/2010 12:51	2.13		6.37		1.79		5.64	
68000-1,1:10,,A/C	M31816.D	10/18/2010 13:01	2.13		6.38		1.80		5.64	
P5544 16/60 0.5 UG/ML	M31817SC.D	10/18/2010 13:17	2.13		6.38		1.79		5.64	
P5552 AR 1254 0.5 UG/ML	M31818SC.D	10/18/2010 13:29	2.13		6.37		1.79		5.64	

SMC 1 = TCX
SMC 2 = DCB

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

analytics environmental laboratory LLC

TPH DRO
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 22, 2010

SAMPLE DATA

Lab Sample ID:	B101510DW
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1
Collection Date:	N/A
Lab Receipt Date:	N/A
Extraction Date:	10/15/10
Analysis Date:	10/18/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	LABQC

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
U	μg/L	50

Surrogate Standard Recovery

m-Terphenyl 72 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS:
TPH layout

Authorized signature

8015 TPH WATER REPORT

Sample Name	B101510DW
Data File Name	G69752B.D
Date Acquired	10/18/2010 11:38 ✓
Misc Info	
Sample Volume (mL)	**1000**
Final Volume (mL)	**1.0** ✓
Analyst Dilution (1:X)	**1**
Calculation Factor	1000.0000
Dilution Factor	1.0

SS 10/19/10

8015 TPH ANALYTICAL RESULTS	**ug/L**	**RL**	
TPH	U	50	ND
m-Terphenyl	72%	60-140%	PASS ✓

RAW DATA

	Raw Inst Amount mg/mL	Reviewed & Calculated Inst Amount ug/L	Target Response	Sample Amount ug/L
M-TERPHENYL	71.55		2451646.917	
TPH LOW (<1.0)	0.0213 ✓	21.30	580547.083	
TPH HIGH (>1.0)	0.0213	21.35	580547.083	
TPH	0.02 ✓	21.30		21

✓JL
10.19.10

Data File : D:\TPH\101810-G\G69752B.D
Acq On : 18 Oct 2010 11:38 am
Sample : B101510DW
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:08 2010 Quant Results File: T100710A.RES

Vial: 4
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

JJL 10/19/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.20	2451647	71.549 ug/ml
Spiked Amount 100.000	Range 60 - 140	Recovery =	71.55%
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	580547	0.021 mg/ml ✓
3) HM TPH HIGH (>1.0)	14.90	580547	~~0.021 mg/ml~~

JJL 10.19.10

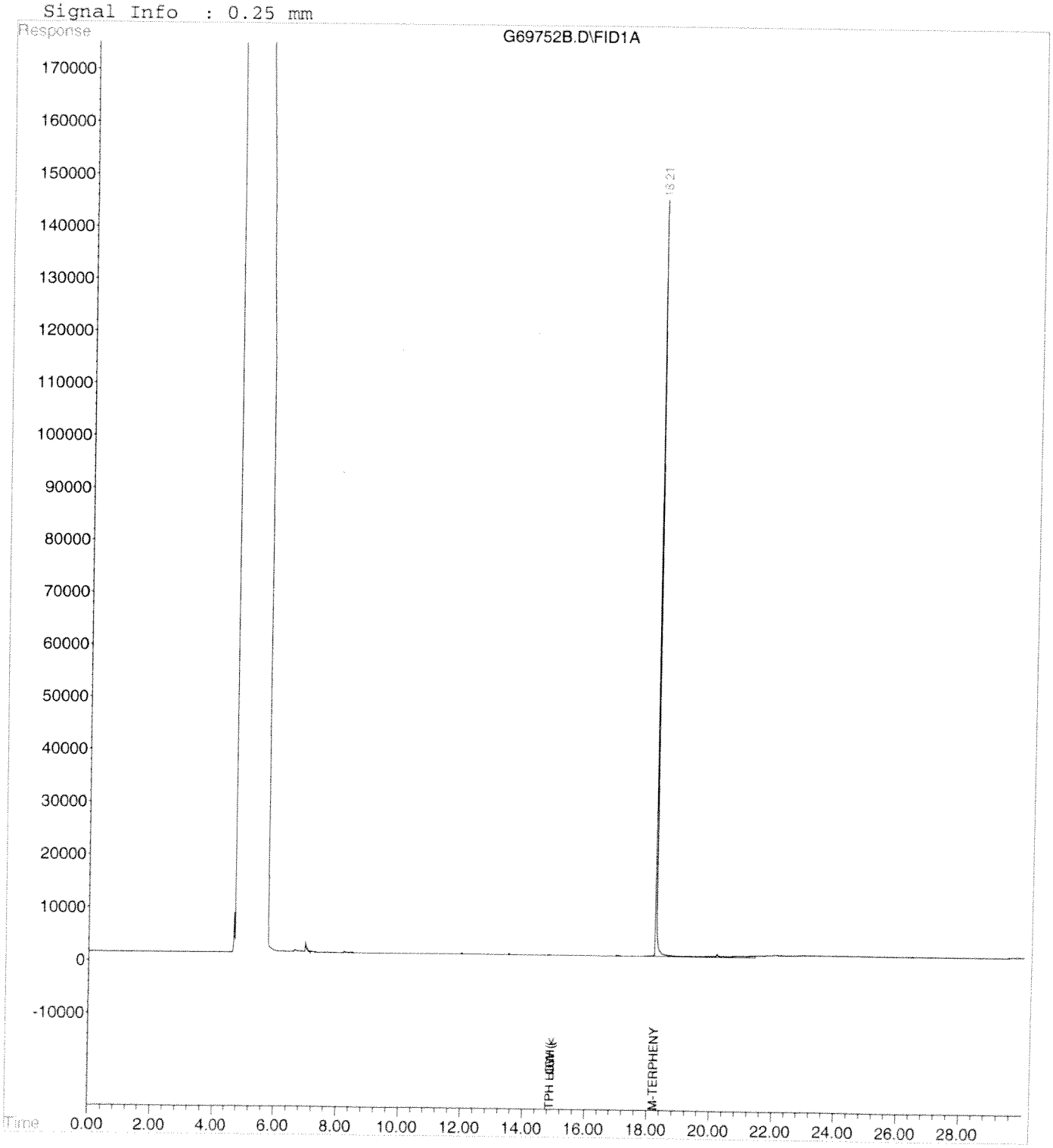
(f)=RT Delta > 1/2 Window (m)=manual int.
G69752B.D T100710A.M Tue Oct 19 11:20:10 2010

Data File : D:\TPH\101810-G\G69752B.D
Acq On : 18 Oct 2010 11:38 am
Sample : B101510DW
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:08 2010 Quant Results File: T100710A.RES

Vial: 4
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

SAMPLE DATA

Lab Sample ID:	68000-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	10/08/10
Lab Receipt Date:	10/08/10
Extraction Date:	10/15/10
Analysis Date:	10/18/10

CLIENT SAMPLE ID

Project Name:	NAS SOWEY
Project Number:	106-2282
Field Sample ID:	WC-B82-GP-01

ANALYTICAL RESULTS

DIESEL RANGE ORGANICS (C10-C28)

Result	Units	Quantitation Limit
151	μg/L	50

Surrogate Standard Recovery

m-Terphenyl	83	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Aqueous samples prepared by Separatory Funnel Liquid/Liquid Extraction, "Test Methods for Evaluating Solid Waste," Method 3510C; other matrices prepared by Pressurized Fluid extraction Extraction, "Test Methods for Evaluating Solid Waste," Method 3545.

All matrices analyzed according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8015B"

COMMENTS: Quantitation performed based on a No. 2 Fuel/Diesel Oil standard.

TPH layout

Authorized signature

8015 TPH WATER REPORT

Sample Name	68000-2
Data File Name	G69758.D
Date Acquired	10/18/2010 2:04 ✓
Misc Info	
Sample Volume (mL)	**1005** ✓
Final Volume (mL)	**1.0** ✓
Analyst Dilution (1:X)	**1**
Calculation Factor	995.0249
Dilution Factor	1.0

88 10/19/10

8015 TPH ANALYTICAL RESULTS	**ug/L**	**RL**	
TPH	151	50	
m-Terphenyl	83%	60-140%	PASS ✓

RAW DATA

	Raw Inst Amount mg/mL	Reviewed & Calculated Inst Amount ug/L	Target Response	Sample Amount ug/L
M-TERPHENYL	83.32		2854887.772	
TPH LOW (<1.0)	0.1515 ✓	150.72	4128826.483	
TPH HIGH (>1.0)	0.6948	691.30	18893583.23	
TPH	0.15 ✓	150.72		151

10·19·1'

Quantitation Report (QT Reviewed)

Data File : D:\TPH\101810-G\G69758.D Vial: 7
Acq On : 18 Oct 2010 2:04 pm Operator: JJL
Sample : 68000-2 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:12 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/19/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.18	2854888	83.317 ug/ml
Spiked Amount 100.000 Range 60 - 140 Recovery = 83.32%			
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	4128826	0.151 mg/ml ✓
3) HM TPH HIGH (>1.0)	14.90	18893583	~~0.695 mg/ml~~

JJL 10-19-10

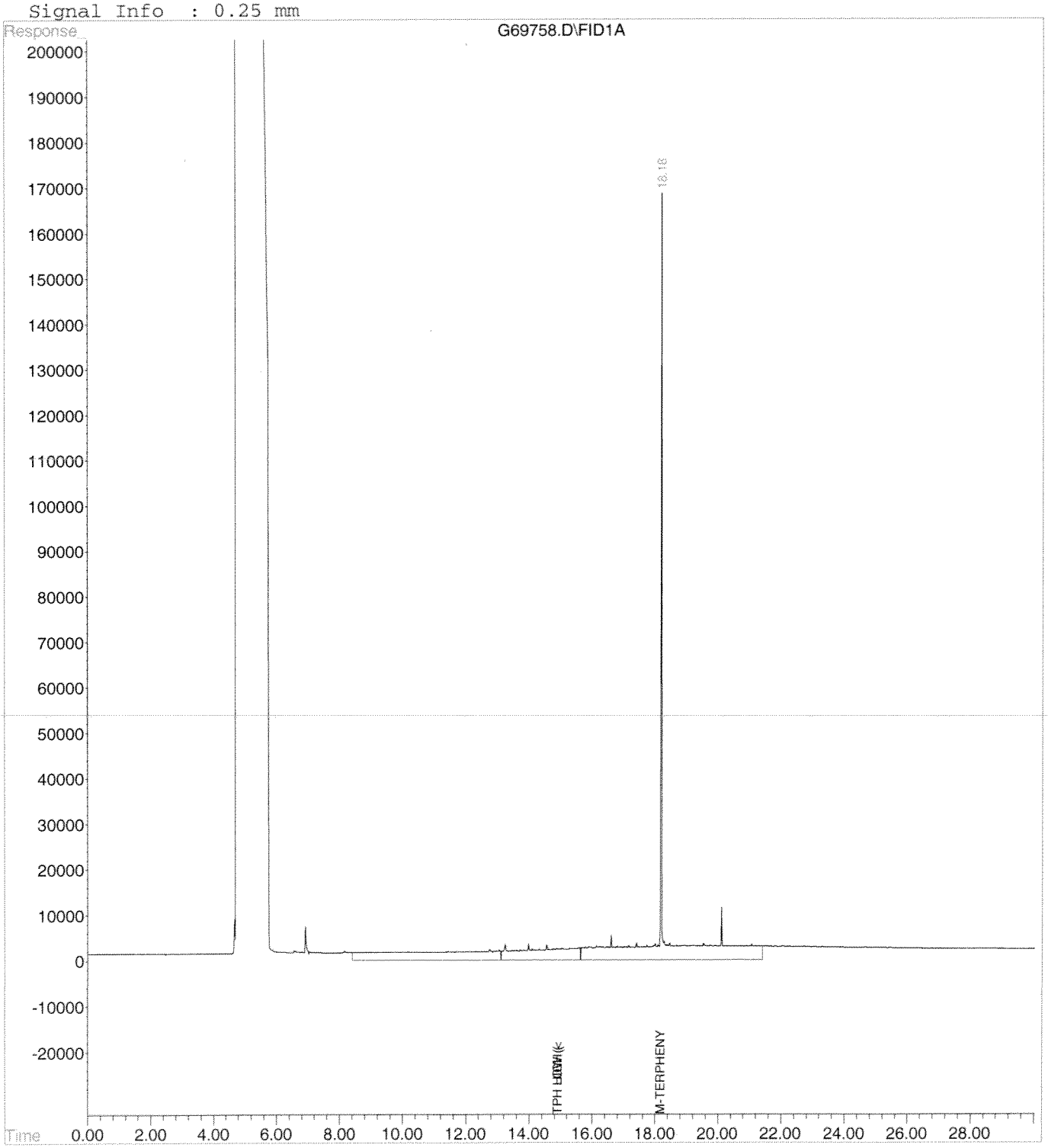
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\101810-G\G69758.D Vial: 7
Acq On : 18 Oct 2010 2:04 pm Operator: JJL
Sample : 68000-2 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:12 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

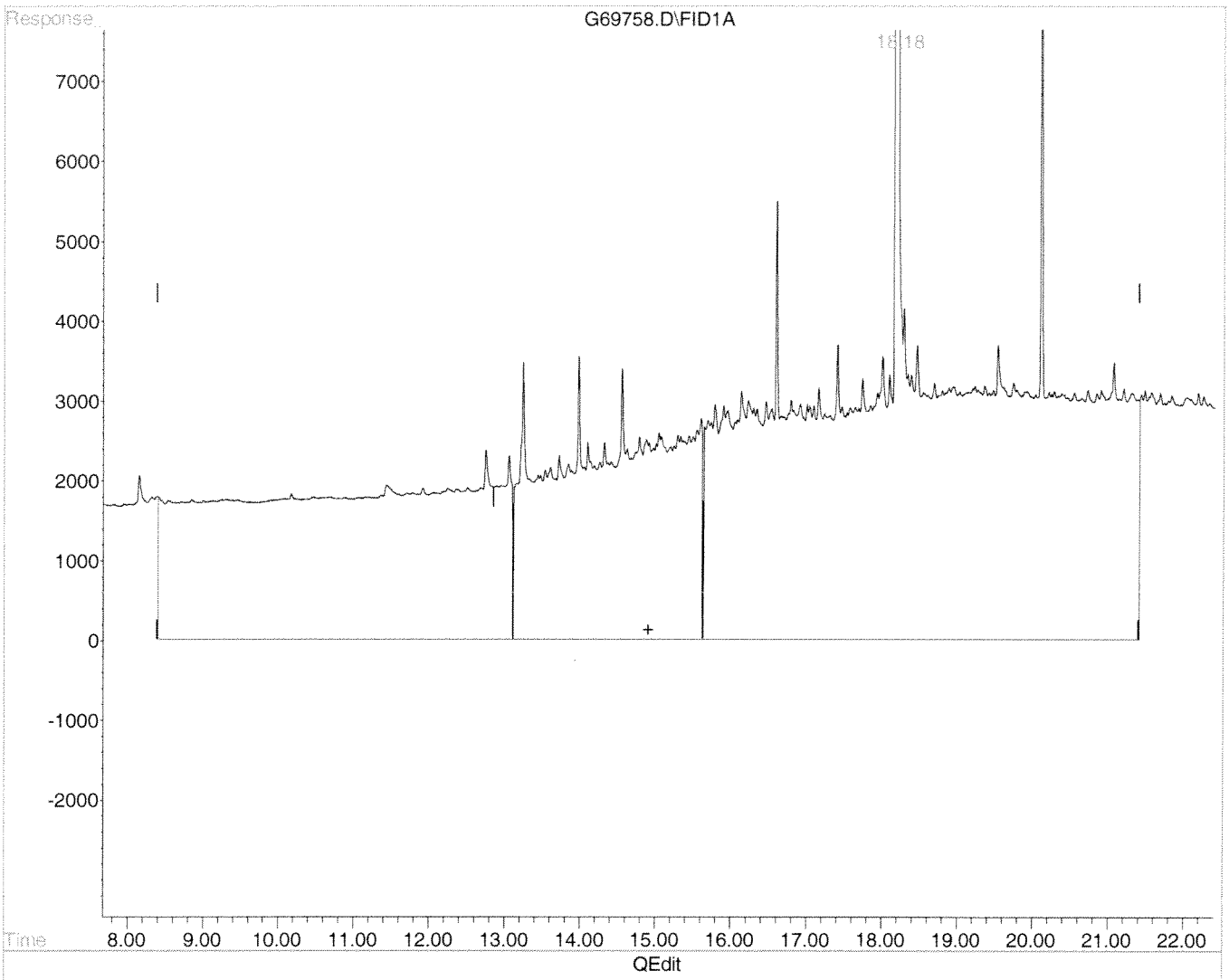
gg 10/19/10



Data File : D:\TPH\101810-G\G69758.D Vial: 7
Acq On : 18 Oct 2010 2:04 pm Operator: JJL
Sample : 68000-2 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:11 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

JJL 10/19/10
Baseline



JJL 10-19-10

(2) TPH LOW (<1.0) (HM)

14.90min 0.693mg/ml m

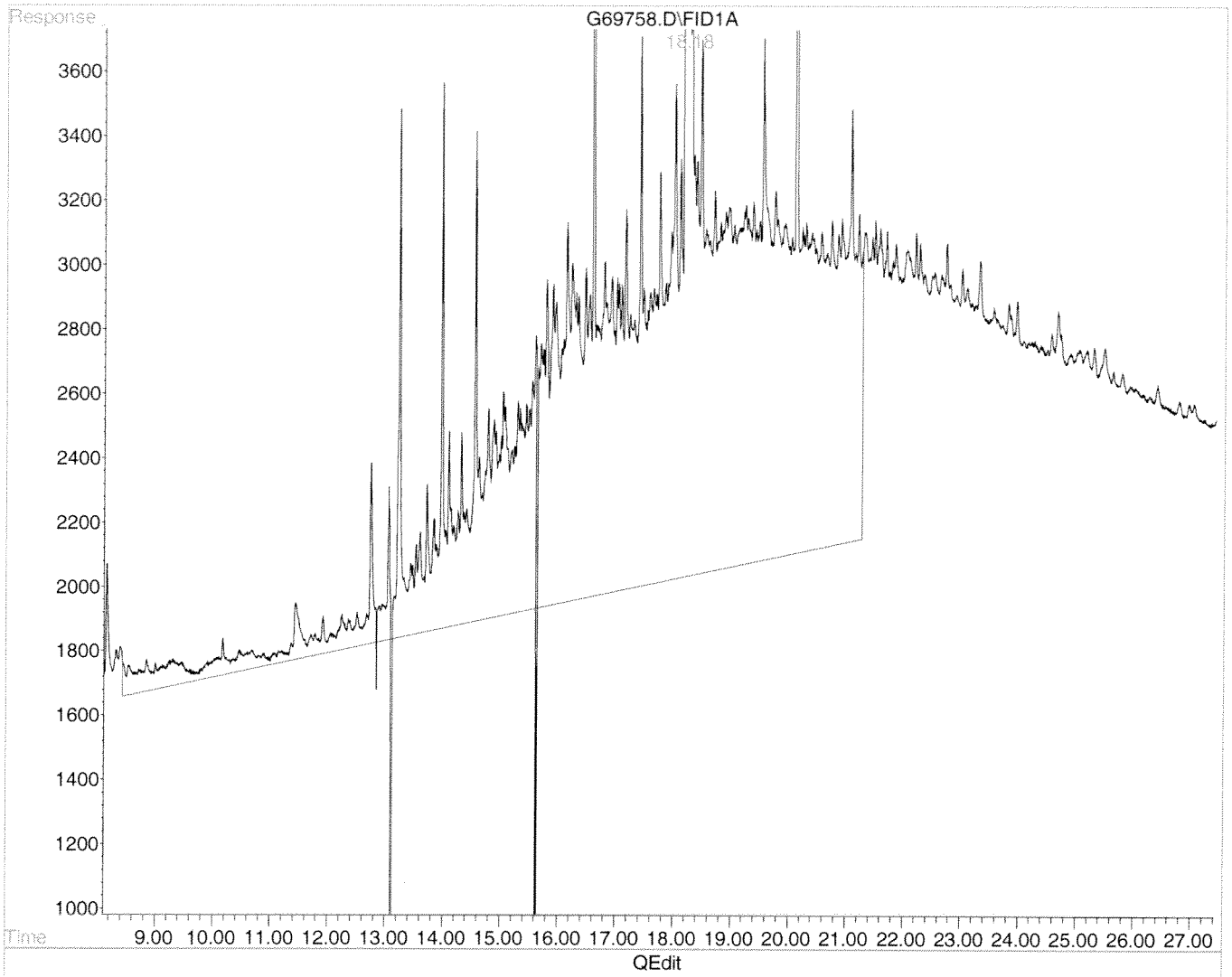
response 18893583

(+) = Expected Retention Time
G69758.D T100710A.M Tue Oct 19 11:12:00 2010

Data File : D:\TPH\101810-G\G69758.D Vial: 7
Acq On : 18 Oct 2010 2:04 pm Operator: JJL
Sample : 68000-2 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:11 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

gg 10/19/10



(2) TPH LOW (<1.0) (HM)

14.90min 0.151mg/ml m

response 4128826

JL 10-19-1

(+) = Expected Retention Time
G69758.D T100710A.M Tue Oct 19 11:12:51 2010

TPH DRO
QC FORMS

TOTAL PETROLEUM HYDROCARBONS AQUEOUS
SYSTEM MONITORING COMPOUNDS
SUMMARY

Instrument ID: G SDG:
GC Column: RTX-5ms
Column ID: 0.25 mm

SAMPLE ID	SMC 1 (%)	#
B101510DW	72	
L101510DW#2	88	
LD101510DW#2	88	
68000-2	83	

	Lower Limit	Upper Limit
SMC #1 = m-terphenyl	60	140

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits
D System Monitoring Compound diluted out

TPH FORM 2

TOTAL PETROLEUM HYDROCARBONS SOIL
LABORATORY CONTROL/DUPLICATE
PERCENT RECOVERY

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B101510DW
Spike: L101510DW#2
Spike duplicate: LD101510DW#2

COMPOUND	LCS SPIKE ADDED (mg/kg)	LCSD SPIKE ADDED (mg/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (mg/kg)	SPIKE RESULT (mg/kg)	SPIKE % REC	#	SPIKE DUP RESULT (mg/kg)	SPIKE DUP % REC	#	RPD	#
TPH LOW (<1.0)	67	67	64	117	20	0	54	81		56	84		4	
TPH HIGH (>1.0)	67	67	64	117	20	0	54	80		56	84		5	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits
Spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

TPH FORM 3

Data File : D:\TPH\101810-G\G69754Q.D Vial: 5
Acq On : 18 Oct 2010 12:51 pm Operator: JJL
Sample : L101510DW#2 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:10 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

gg 10/19/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.19	3030844	88.452 ug/mlm
Spiked Amount 100.000	Range 60 - 140	Recovery =	88.45%
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	22043260	0.809 mg/ml
3) HM TPH HIGH (>1.0)	14.90	21838813	0.803 mg/ml

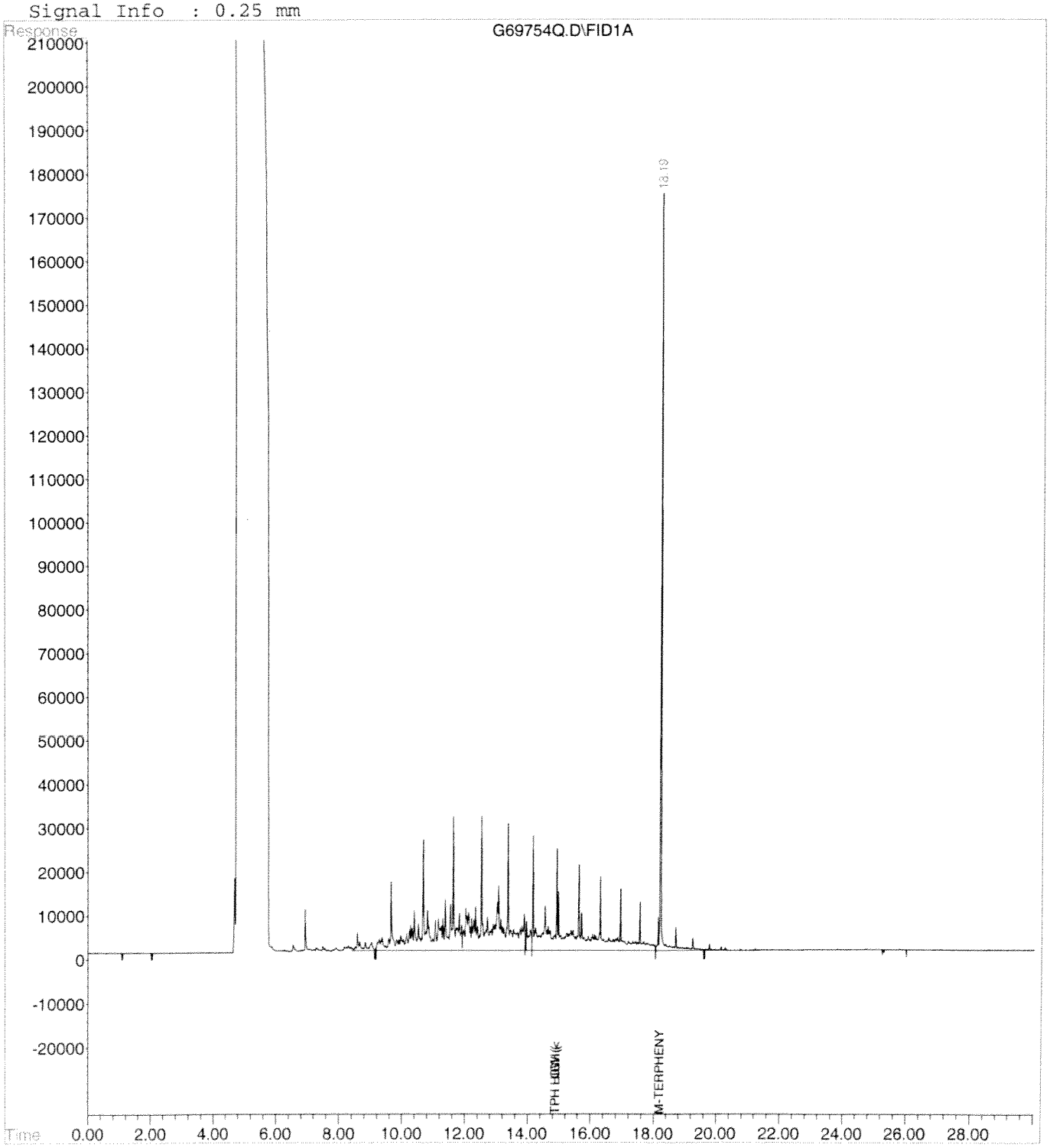
JL 10.19.10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\101810-G\G69754Q.D Vial: 5
Acq On : 18 Oct 2010 12:51 pm Operator: JJL
Sample : L101510DW#2 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:10 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

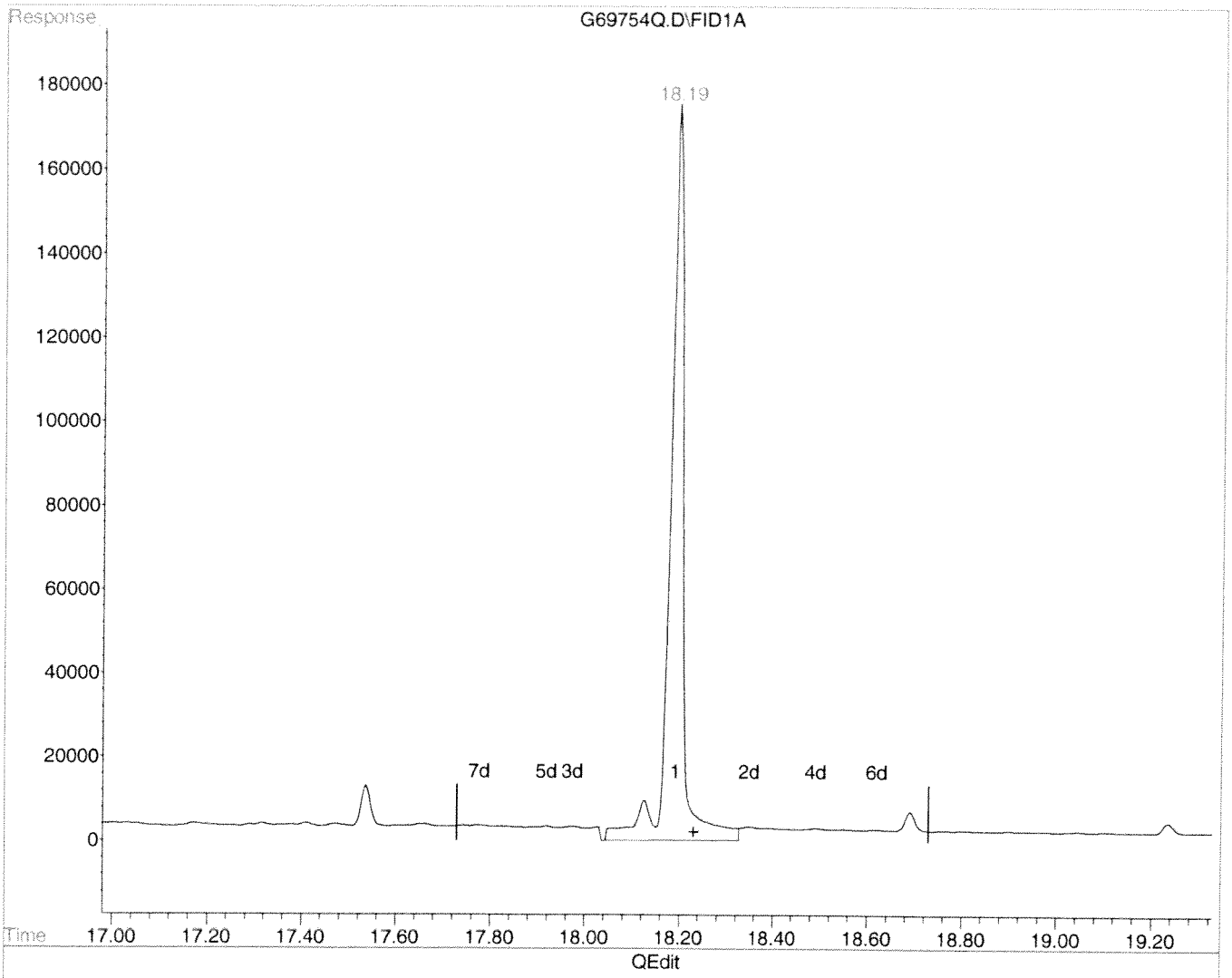


Data File : D:\TPH\101810-G\G69754Q.D
Acq On : 18 Oct 2010 12:51 pm
Sample : L101510DW#2
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:08 2010 Quant Results File: T100710A.RES

Vial: 5
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

gg 10/19/10
★E.A.



(1) M-TERPHENYL (S)

18.19min 99.744ug/ml

response 3417760

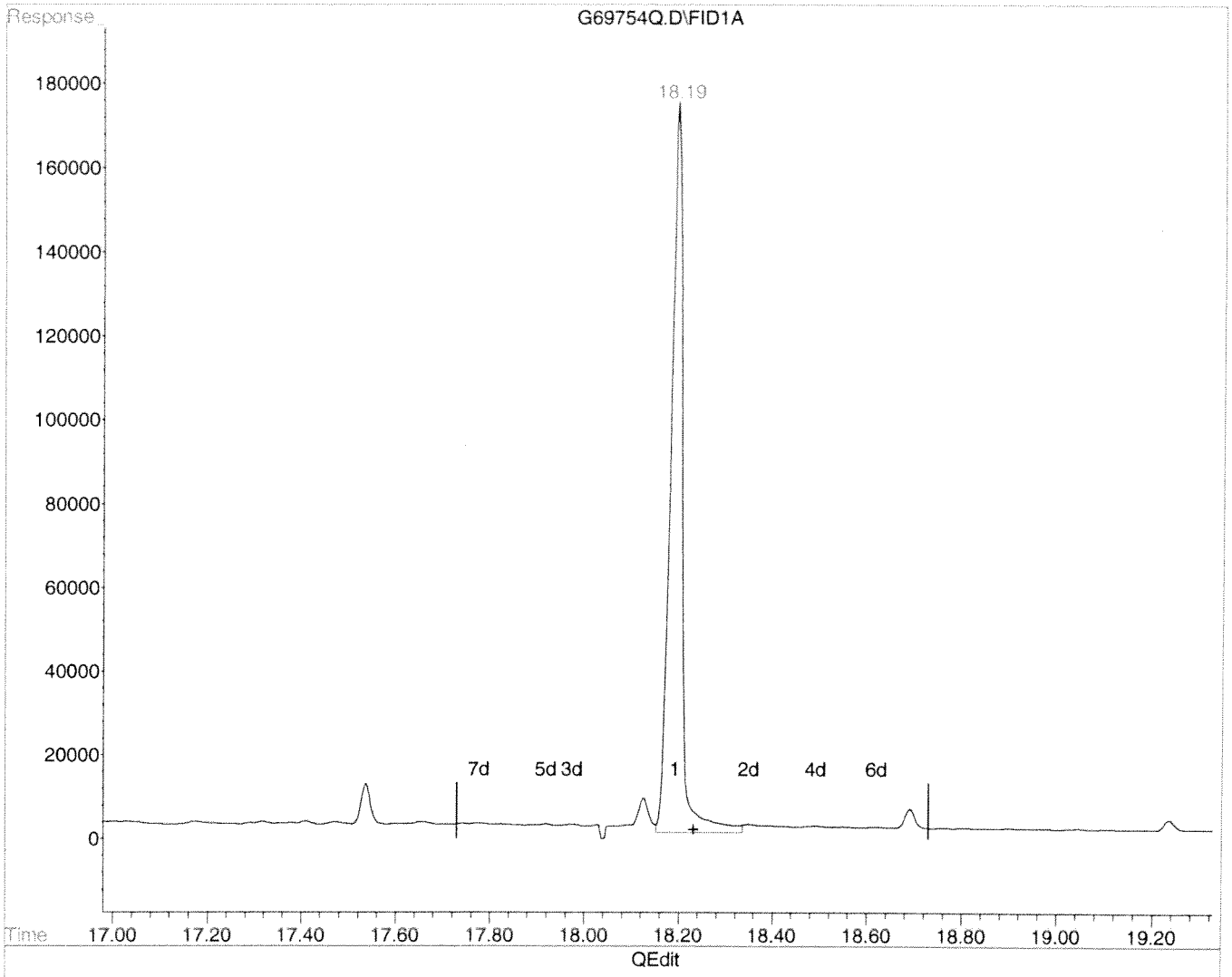
JL
10-19-1

(+) = Expected Retention Time
G69754Q.D T100710A.M Tue Oct 19 11:09:00 2010

Data File : D:\TPH\101810-G\G69754Q.D Vial: 5
Acq On : 18 Oct 2010 12:51 pm Operator: JJL
Sample : L101510DW#2 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:08 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

gg 10/19/10



(1) M-TERPHENYL (S)

18.19min 88.452ug/ml m

response 3030844

JL 10.19.1

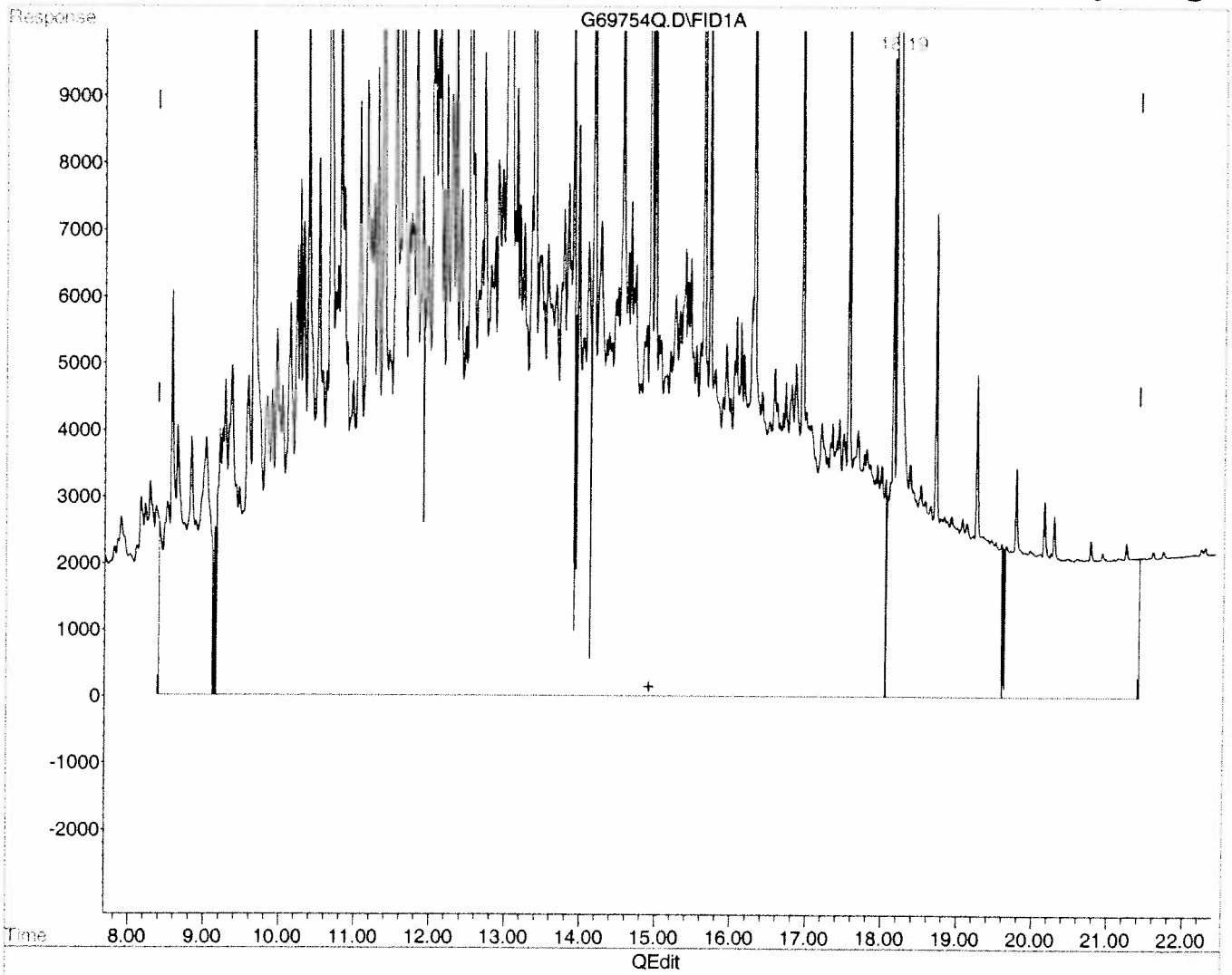
(+) = Expected Retention Time
G69754Q.D T100710A.M Tue Oct 19 11:09:08 2010

Data File : D:\TPH\101810-G\G69754Q.D
Acq On : 18 Oct 2010 12:51 pm
Sample : L101510DW#2
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:08 2010 Quant Results File: T100710A.RES

Vial: 5
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

JJL 10/19/10
Baseline



(2) TPH LOW (<1.0) (HM)

14.90min 1.394mg/ml m

response 37992710

10.19.10

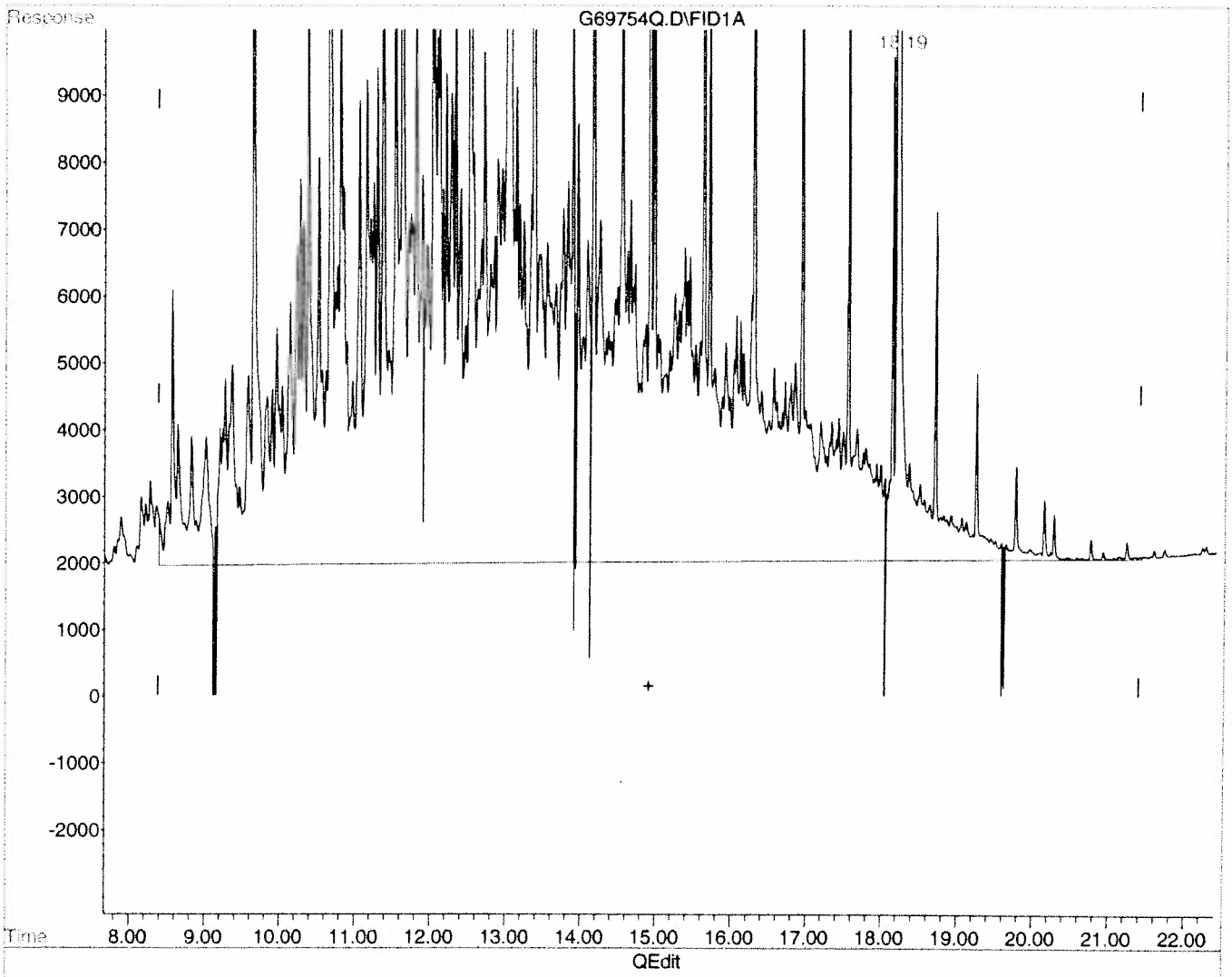
(+) = Expected Retention Time
G69754Q.D T100710A.M Tue Oct 19 11:09:16 2010

Data File : D:\TPH\101810-G\G69754Q.D
Acq On : 18 Oct 2010 12:51 pm
Sample : L101510DW#2
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:08 2010 Quant Results File: T100710A.RES

Vial: 5
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

10/19/10



JJL 10-19-10

(2) TPH LOW (<1.0) (HM)

14.90min 0.809mg/ml m

response 22043260

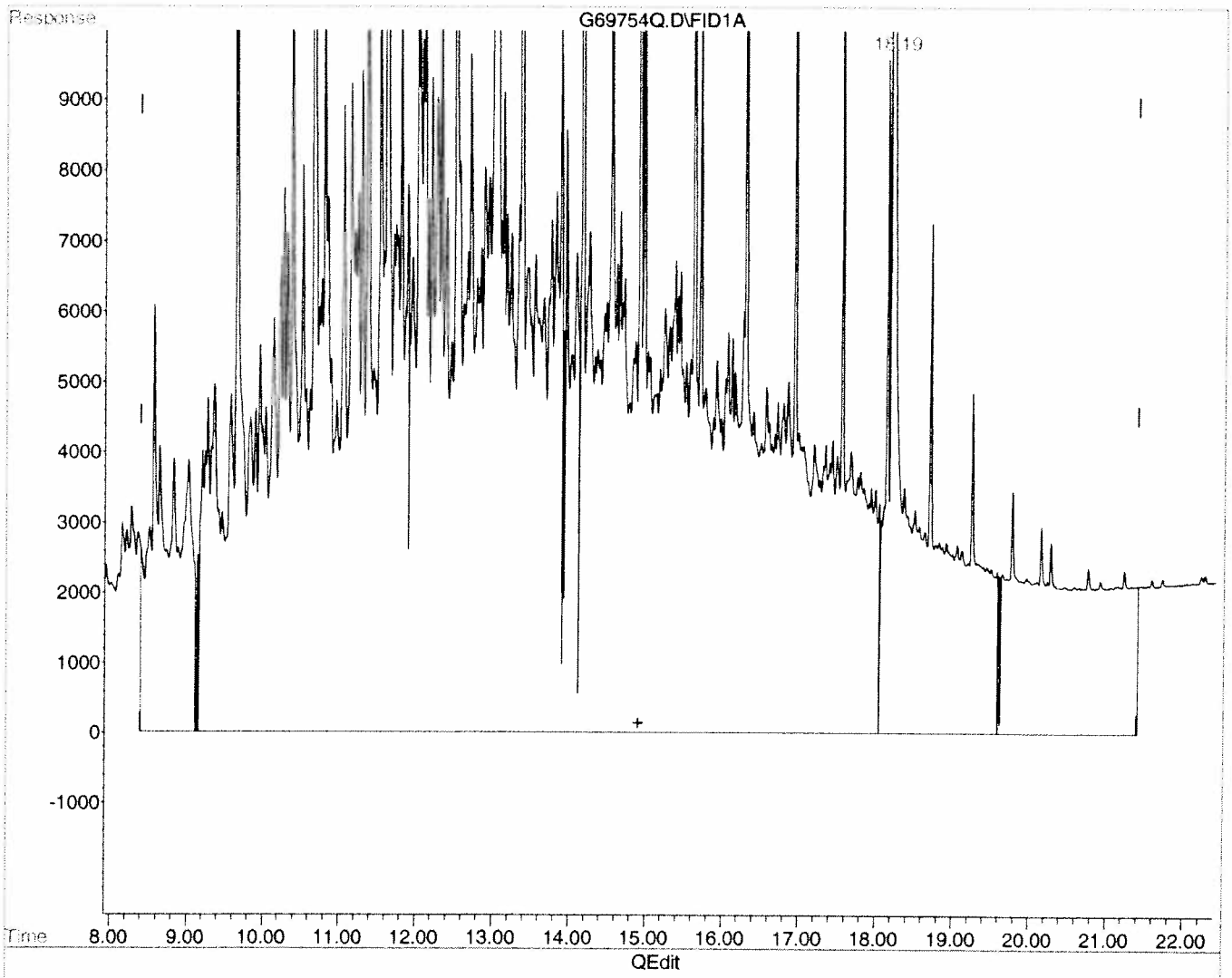
(+) = Expected Retention Time
G69754Q.D T100710A.M Tue Oct 19 11:09:38 2010

Data File : D:\TPH\101810-G\G69754Q.D
Acq On : 18 Oct 2010 12:51 pm
Sample : L101510DW#2
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:08 2010 Quant Results File: T100710A.RES

Vial: 5
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

gg 10/19/10
Baseline



(3) TPH HIGH (>1.0) (HM)

14.90min 1.397mg/ml m

response 37992710

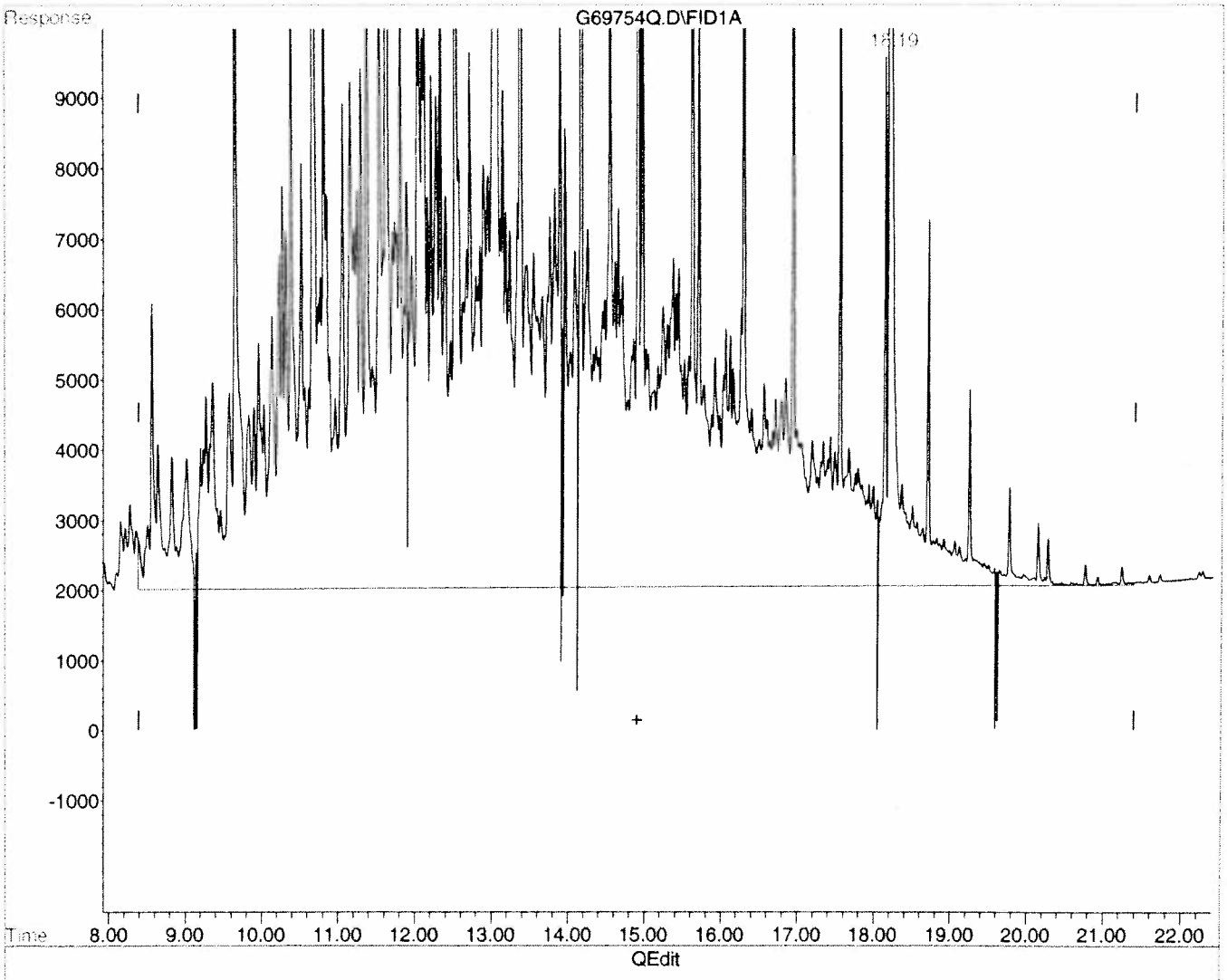
JJL
10-19-10

(+) = Expected Retention Time
G69754Q.D T100710A.M Tue Oct 19 11:09:46 2010

Data File : D:\TPH\101810-G\G69754Q.D Vial: 5
Acq On : 18 Oct 2010 12:51 pm Operator: JJL
Sample : L101510DW#2 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:08 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

10/19/10



(3) TPH HIGH (>1.0) (HM)

14.90min 0.803mg/ml m

response 21838813

10-19-10

(+) = Expected Retention Time
G69754Q.D T100710A.M Tue Oct 19 11:10:22 2010

Data File : D:\TPH\101810-G\G69756Q.D Vial: 6
Acq On : 18 Oct 2010 1:20 pm Operator: JJL
Sample : LD101510DW#2 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:10 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/19/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.19	3023816	88.247 ug/ml
Spiked Amount 100.000	Range 60 - 140	Recovery =	88.25%
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	22870058	0.839 mg/ml
3) HM TPH HIGH (>1.0)	14.90	22870058	0.841 mg/ml

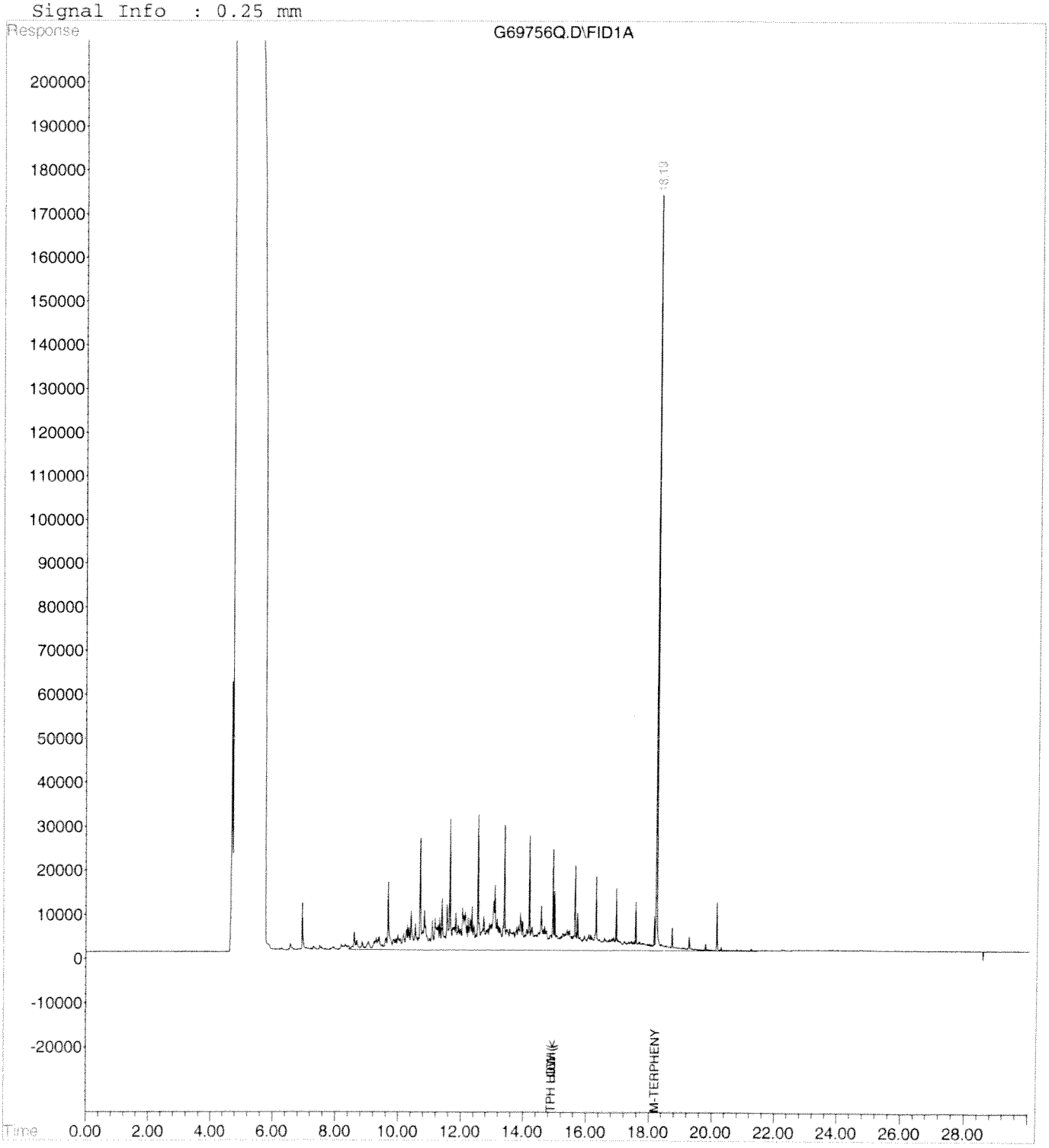
JL 10-19-10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\101810-G\G69756Q.D Vial: 6
Acq On : 18 Oct 2010 1:20 pm Operator: JJL
Sample : LD101510DW#2 Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:10 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



TPH / DRO Instrument: G

Analytics environmental laboratory LLC

Load: gg

Detector: A 100710 - G Unload: gg

Run	Vial #	Sample	Method	Comments
G69672	100	$MeCl_2$	T100710A.m	
74	100	$MeCl_2$		
76	1	T6811 #2 FO RT STD		✓
78S1	2	T67816 #2 FO 0.025		✓
80S1	3	T16787 #2 FO 0.05		✓
82S1	4	T16788 #2 FO 0.1		✓
84S1	5	T16798 #2 FO 0.5		✓
86S1	6	T16799 #2 FO 1.0		✓
88S1	7	T16789 #2 FO 2.0		✓
90S1	8	T16790 #2 FO 5.0		✓
92S1	9	T16791 #2 FO 10.0		✓
94S1	10	T16792 #2 FO 25.0		✓
96Q	11	T16796 #2 FO CC 1.0		✓

gg 10/13/10

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

TPH / DRO Instrument: G

Analytics environmental laboratory LLC

Load:

Detector: A 101810 - G Unload:

Run	Vial #	Sample	Method	Comments
G109746	100	$MeCl_2$	T100710A.m	
48	1	T6811 #2 FO RT STD		✓
50SC	2	T6798 #2 FO 0.5		✓
52B	4	B101510DW		✓
54Q	5	L101510DW#2		✓
56Q	6	LD101510DW#2		✓
58	7	68000-2		✓
60	8	68042-1		✓
62	1	T6811 #2 FO RT STD		✓
64SC	2	T6798 #2 FO 0.5		✓

10/19/10

Standard Dilutions: 1:2- 500 uL sample +500 uL solvent
1:5- 200 uL sample +800 uL solvent
1:10- 100 uL sample + 900 uL solvent
1:20- 50 uL sample + 950 uL solvent
1:50- 20 uL sample + 980 uL solvent
1:100- 10 uLsample +990 uL solvent

Hexane Lot : _____

Methylene Chloride Lot: _____

Response Factor Report INST G

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:09:43 2010

Calibration Files
0.02 =G69678SI.D 0.05 =G69680SI.D 0.1 =G69682SI.D
0.5 =G69684SI.D 1.0 =G69686SI.D 2.0 =G69688SI.D

gg 10/13/10

		Compound	0.02	0.05	0.1	0.5	1.0	2.0	Avg		%RSD
1)	S	M-TERPHENYL	4.131	3.475	2.863	3.044	3.234	3.344	3.427	E4	11.81 ✓
2)	HM	TPH LOW (<1.0)	2.851	2.116	2.098	2.467	2.760	2.815	2.726	E7	15.69 ✓
3)	HM	TPH HIGH (>1.0)	2.832	2.073	2.102	2.467	2.760	2.815	2.719	E7	15.97 ✓

VJL
10-14-10

(#) = Out of Range ### Number of calibration levels exceeded format ###
T100710A.M Wed Oct 13 16:10:45 2010

Data File : D:\TPH\100710-G\G69678SI.D
Acq On : 7 Oct 2010 2:22 pm
Sample : T6786 #2 FO 0.025 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:56 2010 Quant Results File: T100710A.RES

Vial: 2
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/13/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.25	103265	3.951 ug/ml
Spiked Amount 100.000	Range 60 - 140	Recovery =	3.95%#
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	712715	0.034 mg/ml
3) HM TPH HIGH (>1.0)	14.90	708058	0.034 mg/ml

10-14-10

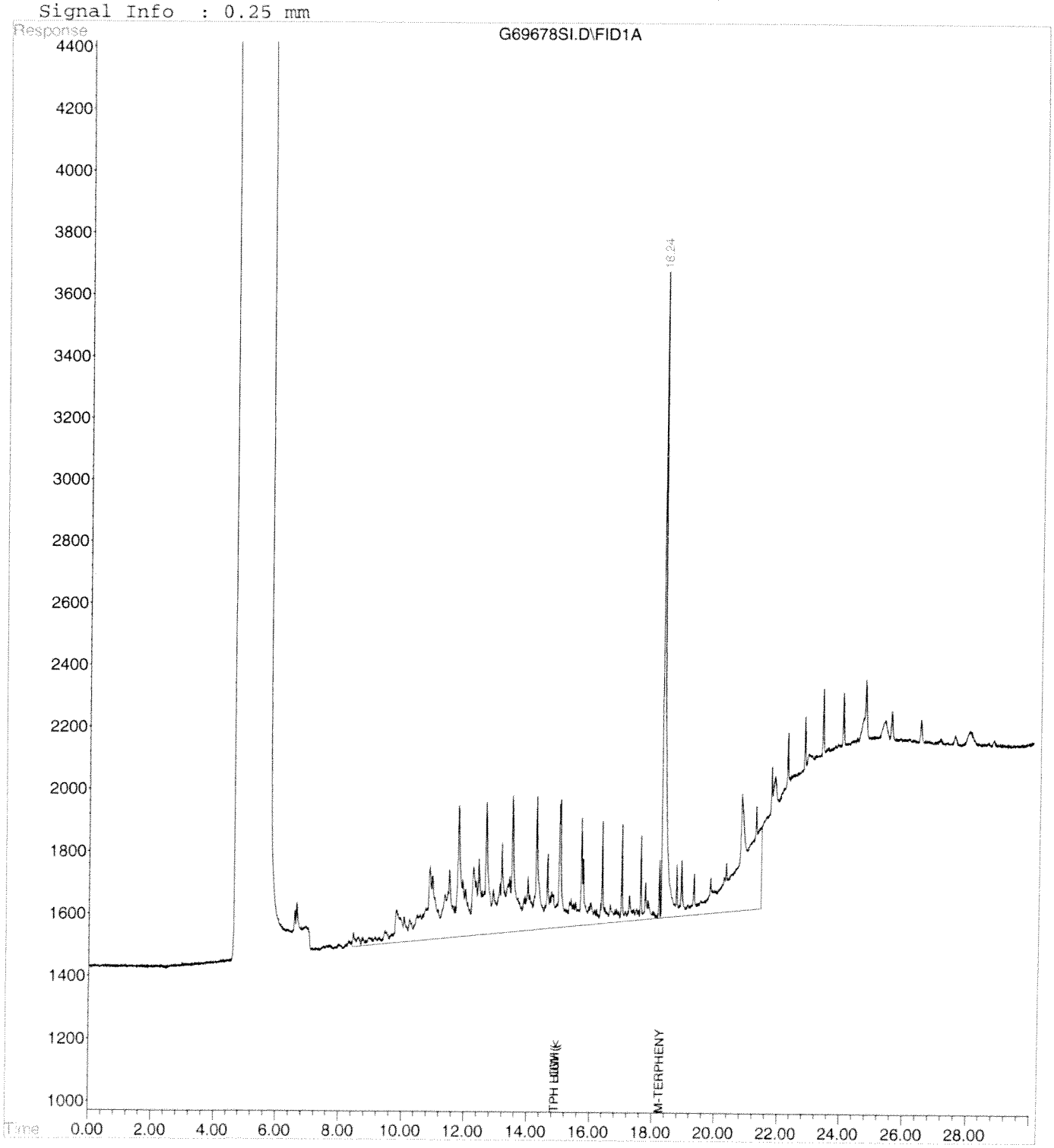
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100710-G\G69678SI.D
Acq On : 7 Oct 2010 2:22 pm
Sample : T6786 #2 FO 0.025 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:56 2010 Quant Results File: T100710A.RES

Vial: 2
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

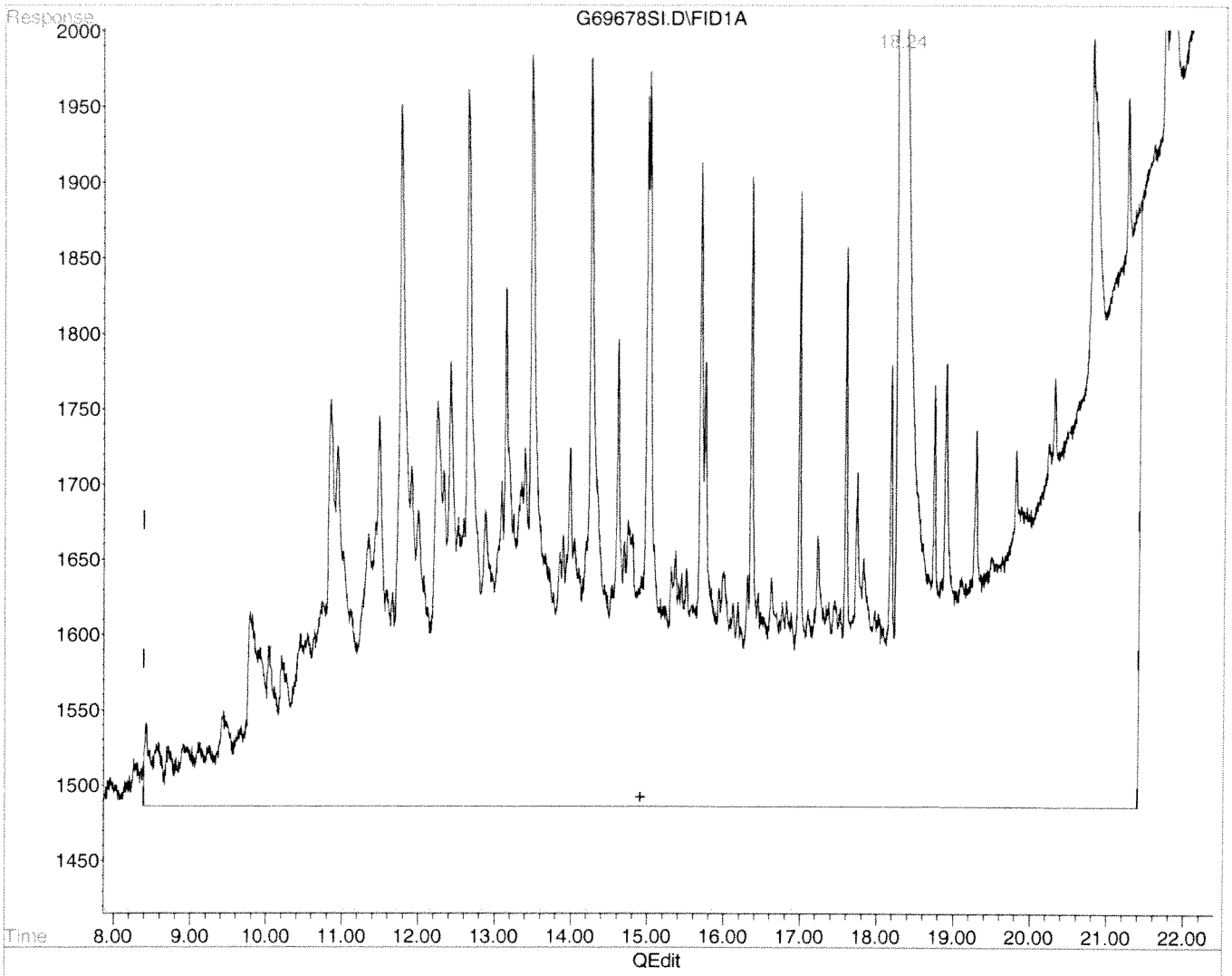
Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



Data File : D:\TPH\100710-G\G69678SI.D Vial: 2
Acq On : 7 Oct 2010 2:22 pm Operator: JJL
Sample : T6786 #2 FO 0.025 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:55 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

88 10/13/10
Baseline



(2) TPH LOW (<1.0) (HM)

14.90min 0.062mg/ml m

response 1289739

JL
10-14-10

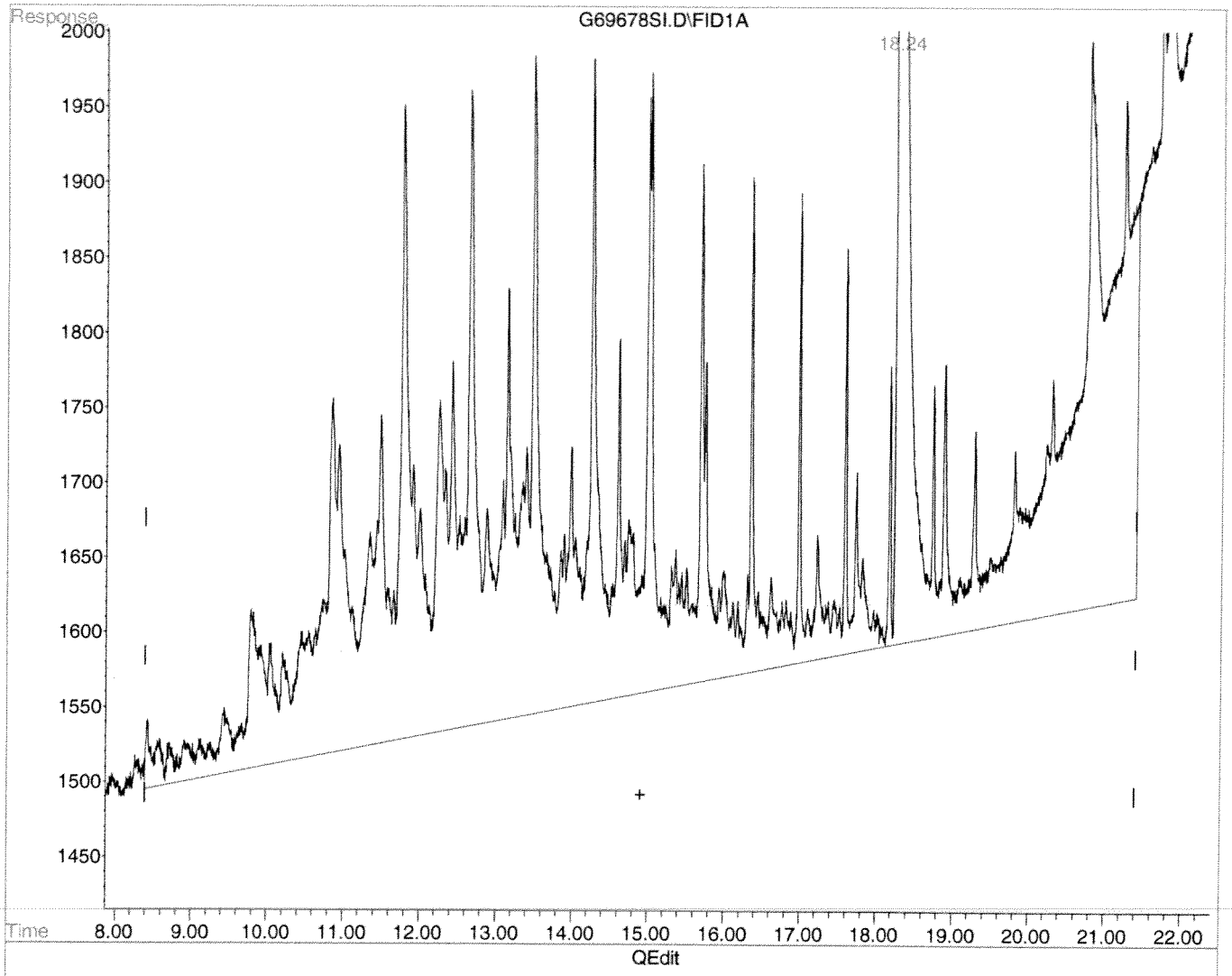
(+) = Expected Retention Time
G69678SI.D T100710A.M Wed Oct 13 15:55:56 2010

Data File : D:\TPH\100710-G\G69678SI.D
Acq On : 7 Oct 2010 2:22 pm
Sample : T6786 #2 FO 0.025 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:55 2010 Quant Results File: T100710A.RES

Vial: 2
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

88 10/13/10



(2) TPH LOW (<1.0) (HM)

14.90min 0.034mg/ml m

response 712715

JL 10/14/10

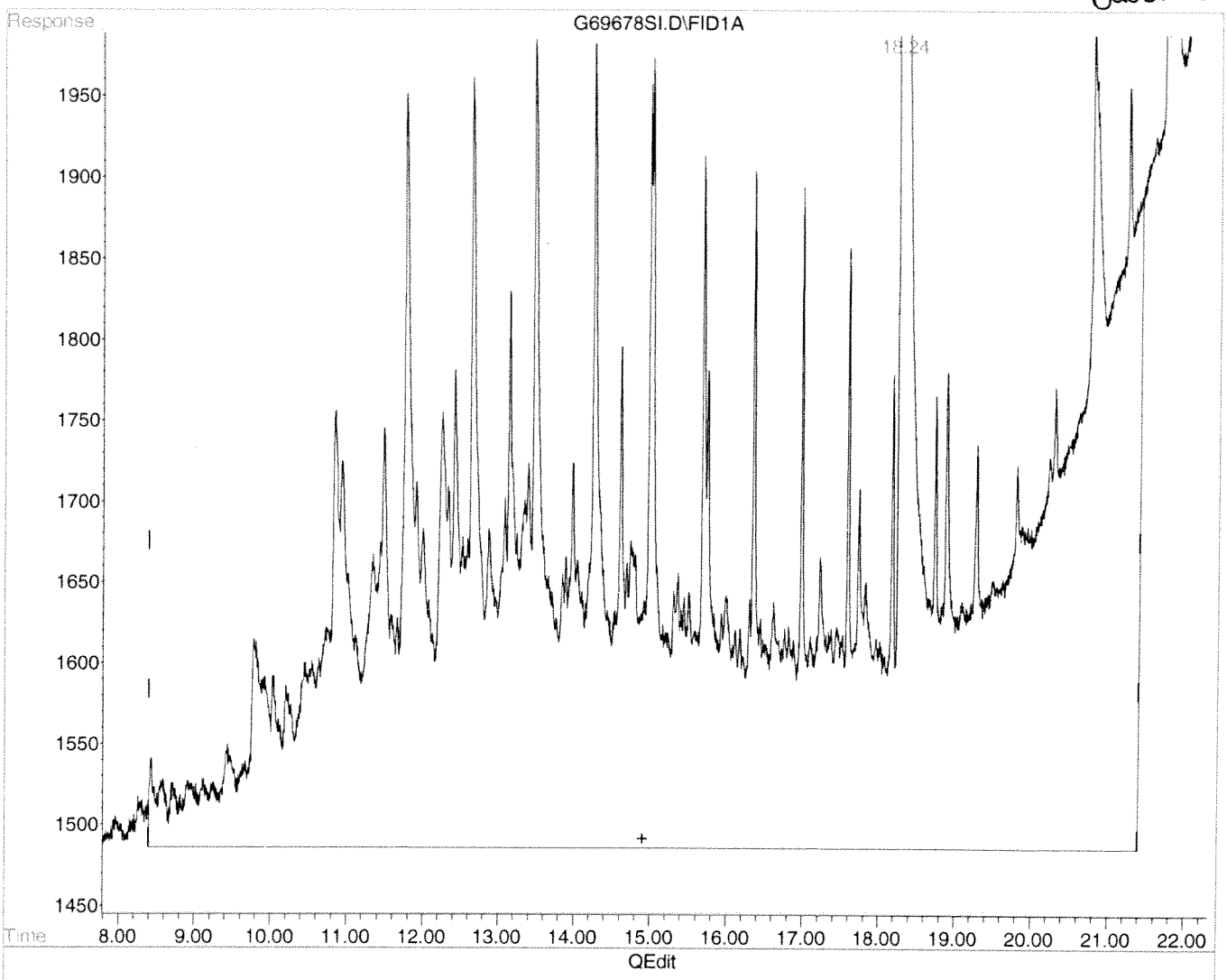
(+) = Expected Retention Time
G69678SI.D T100710A.M Wed Oct 13 15:56:03 2010

Data File : D:\TPH\100710-G\G69678SI.D
Acq On : 7 Oct 2010 2:22 pm
Sample : T6786 #2 FO 0.025 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:55 2010 Quant Results File: T100710A.RES

Vial: 2
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

88 10/13/10
Baseline



(3) TPH HIGH (>1.0) (HM)

14.90min 0.062mg/ml m

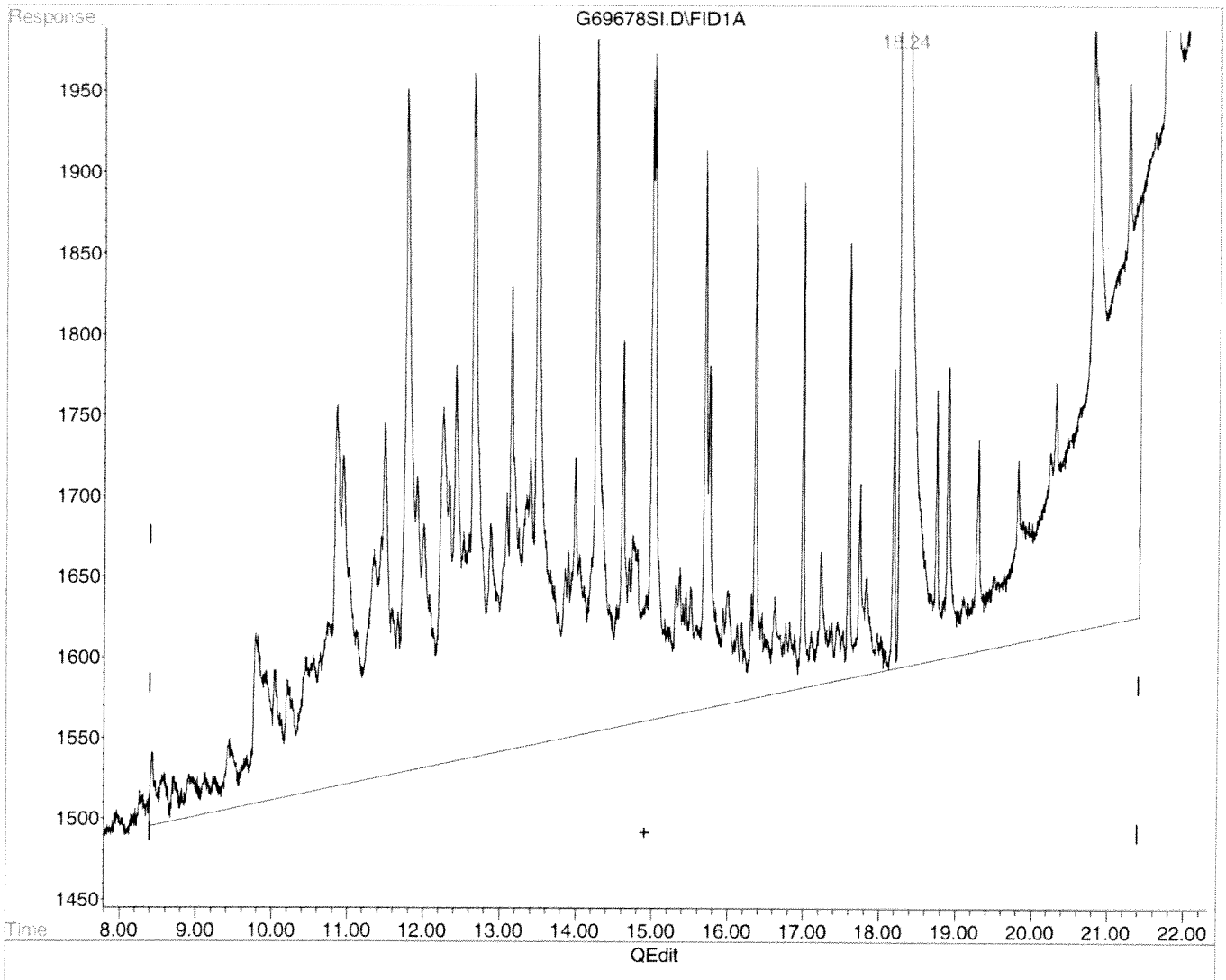
response 1289739

(+) = Expected Retention Time
G69678SI.D T100710A.M Wed Oct 13 15:56:09 2010

Data File : D:\TPH\100710-G\G69678SI.D Vial: 2
Acq On : 7 Oct 2010 2:22 pm Operator: JJL
Sample : T6786 #2 FO 0.025 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:55 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

JJL 10/13/10



(3) TPH HIGH (>1.0) (HM)

14.90min 0.034mg/ml m

response 708058

10-14-1

(+) = Expected Retention Time
G69678SI.D T100710A.M Wed Oct 13 15:56:16 2010

Data File : D:\TPH\100710-G\G69680SI.D
Acq On : 7 Oct 2010 3:20 pm
Sample : T6787 #2 FO 0.05 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:57 2010 Quant Results File: T100710A.RES

Vial: 3
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/13/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.23	173738	6.648 ug/ml
Spiked Amount 100.000 Range 60 - 140 Recovery = 6.65%#			
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	1057812	0.051 mg/ml
3) HM TPH HIGH (>1.0)	14.90	1036314	0.050 mg/ml

10.14.10

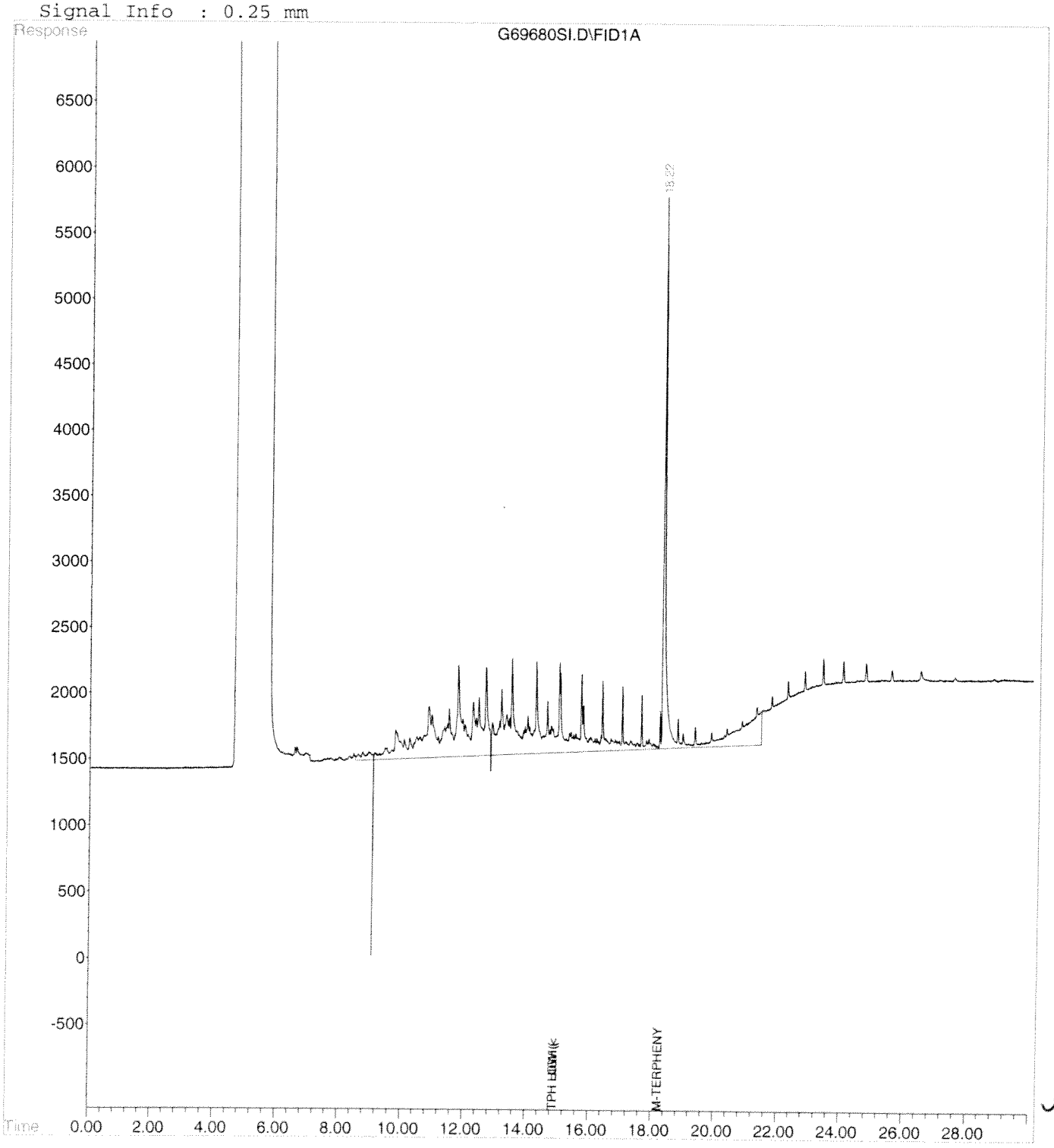
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100710-G\G69680SI.D
Acq On : 7 Oct 2010 3:20 pm
Sample : T6787 #2 FO 0.05 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:57 2010 Quant Results File: T100710A.RES

Vial: 3
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

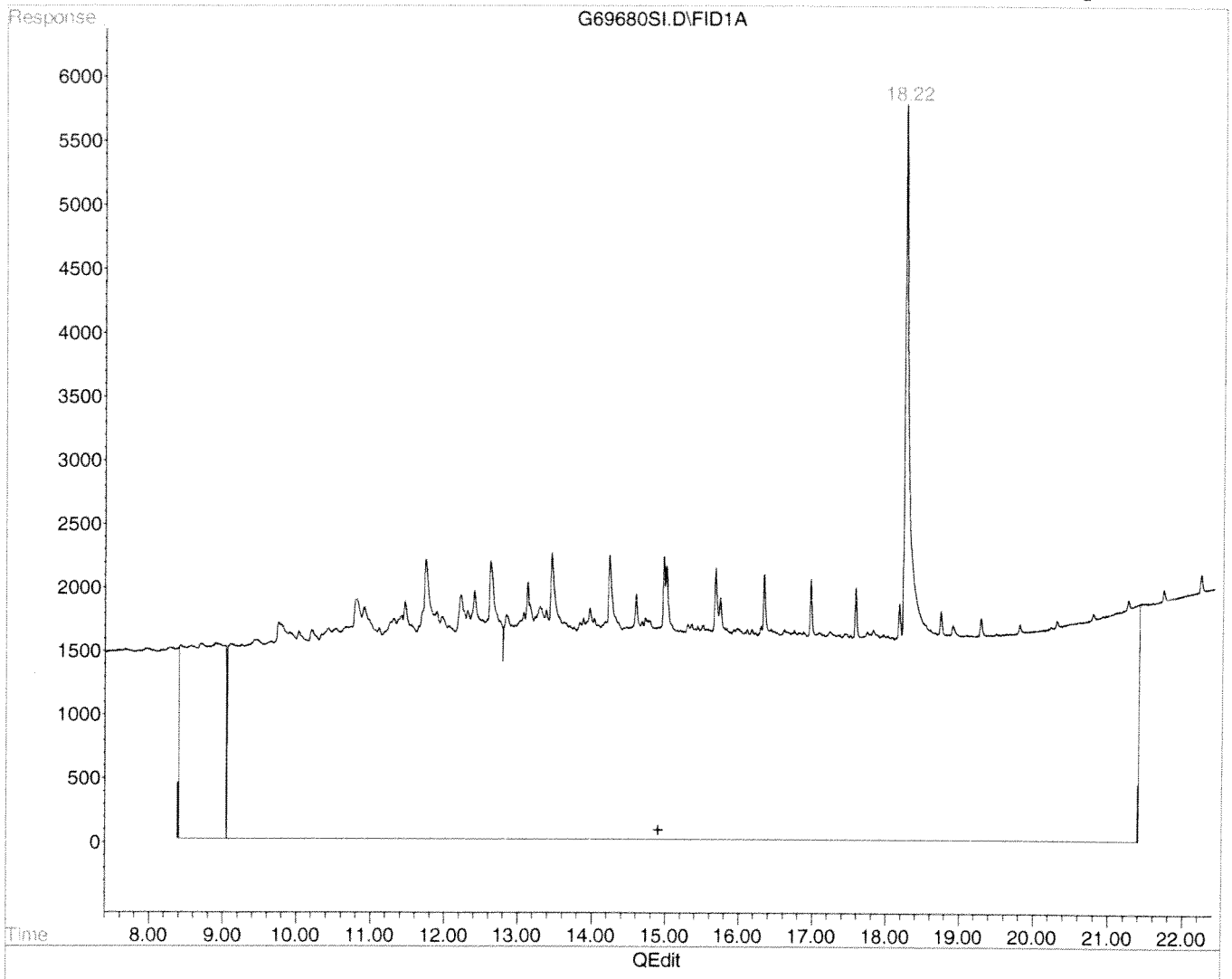


JL 10-14-10

Data File : D:\TPH\100710-G\G69680SI.D Vial: 3
Acq On : 7 Oct 2010 3:20 pm Operator: JJL
Sample : T6787 #2 FO 0.05 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:56 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

gs 10/13/10
Baseline



(2) TPH LOW (<1.0) (HM)

14.90min 0.629mg/ml m

response 13016949

VL 10-14-1

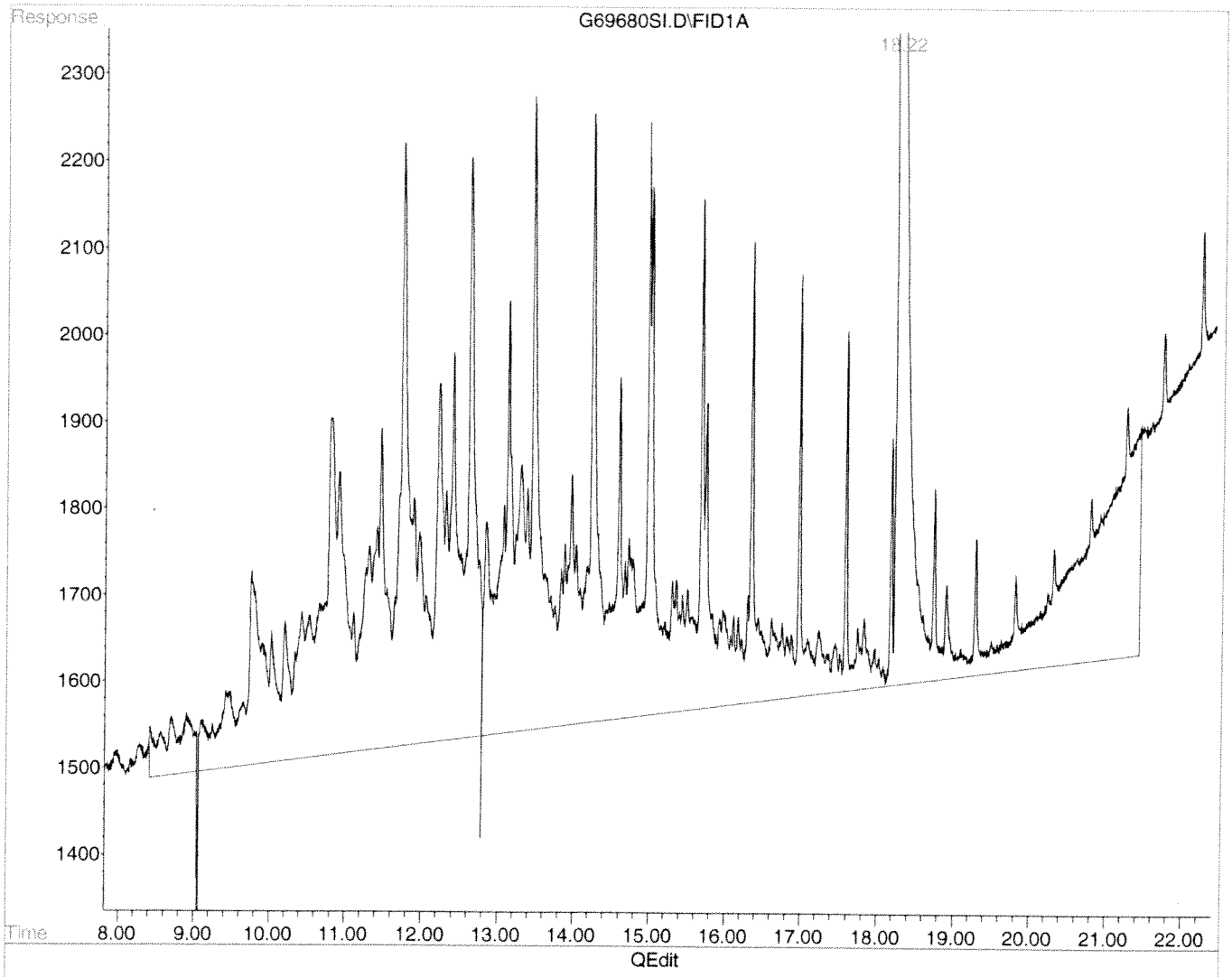
(+) = Expected Retention Time
G69680SI.D T100710A.M Wed Oct 13 15:56:34 2010

Data File : D:\TPH\100710-G\G69680SI.D
Acq On : 7 Oct 2010 3:20 pm
Sample : T6787 #2 FO 0.05 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:56 2010 Quant Results File: T100710A.RES

Vial: 3
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

JJL 10/13/10



(2) TPH LOW (<1.0) (HM)

14.90min 0.051mg/ml m

response 1057812

10.14.10

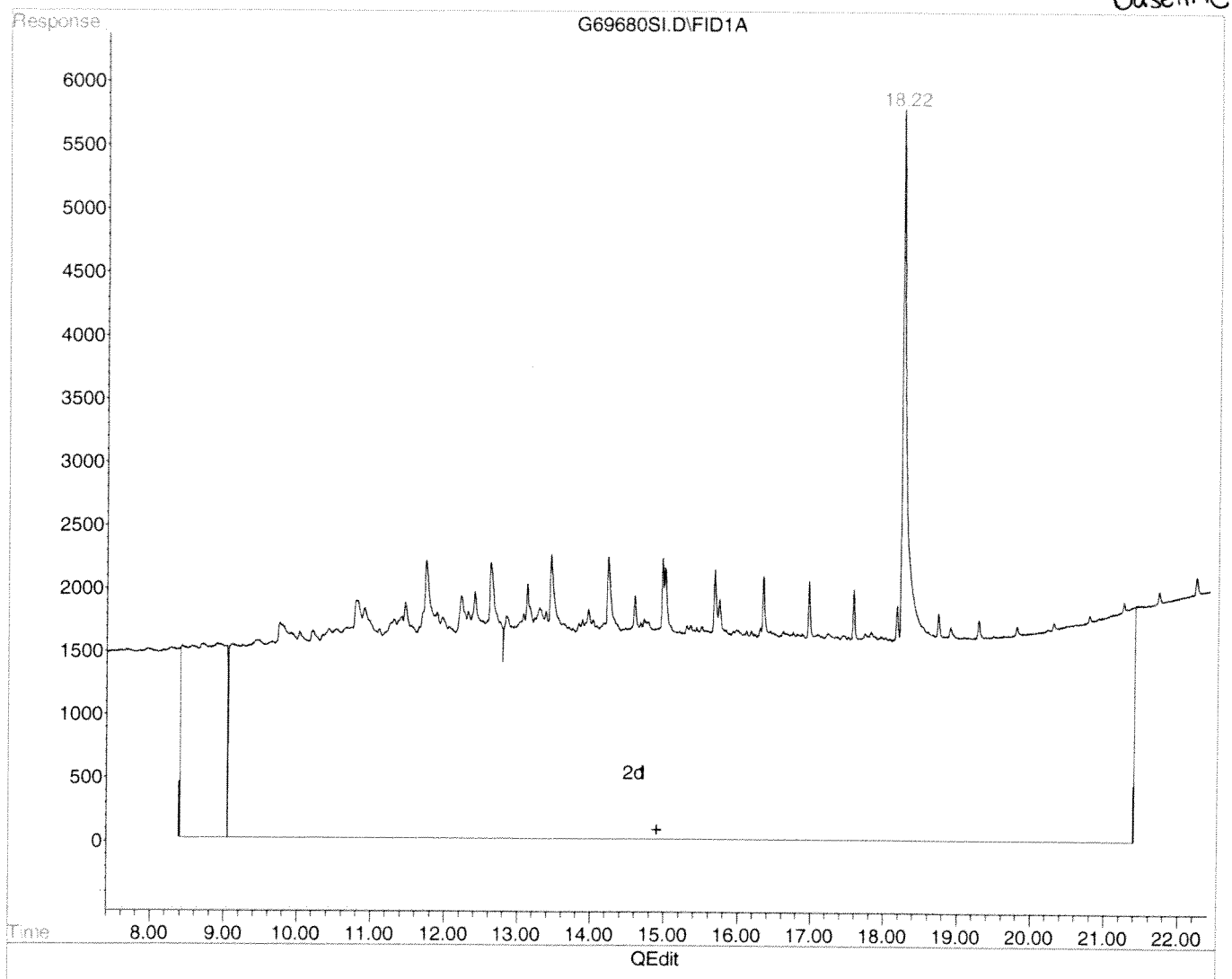
(+) = Expected Retention Time
G69680SI.D T100710A.M Wed Oct 13 15:56:53 2010

Data File : D:\TPH\100710-G\G69680SI.D
Acq On : 7 Oct 2010 3:20 pm
Sample : T6787 #2 FO 0.05 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:56 2010 Quant Results File: T100710A.RES

Vial: 3
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

gg 10/13/10
Baseline



(3) TPH HIGH (>1.0) (HM)

14.90min 0.629mg/ml m

response 13016949

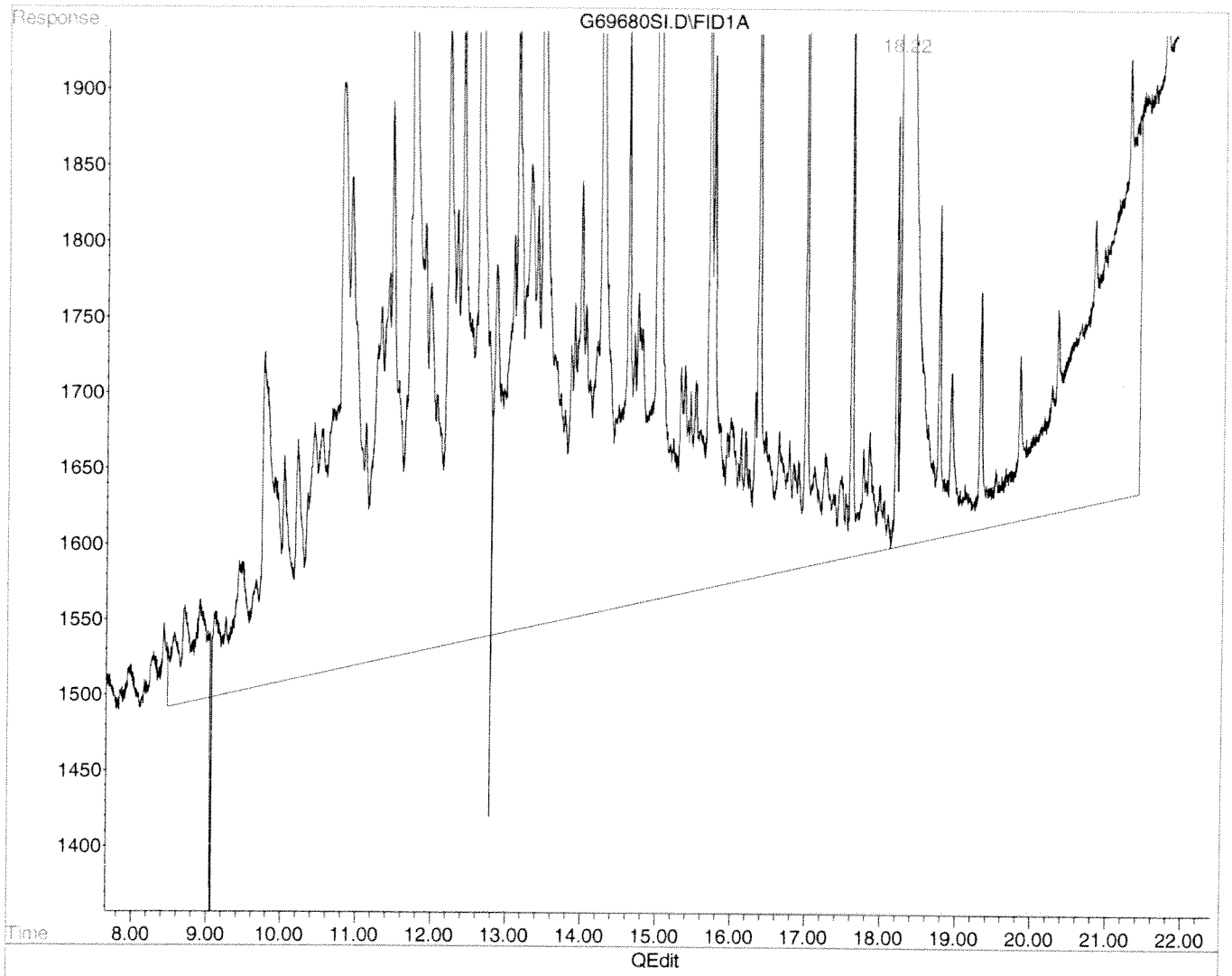
(+) = Expected Retention Time
G69680SI.D T100710A.M Wed Oct 13 15:56:57 2010

Data File : D:\TPH\100710-G\G69680SI.D
Acq On : 7 Oct 2010 3:20 pm
Sample : T6787 #2 FO 0.05 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:56 2010 Quant Results File: T100710A.RES

Vial: 3
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

88 10/13/10



(3) TPH HIGH (>1.0) (HM)

14.90min 0.050mg/ml m

response 1036314

10-14-10

(+) = Expected Retention Time
G69680SI.D T100710A.M Wed Oct 13 15:57:17 2010

Data File : D:\TPH\100710-G\G69682SI.D
Acq On : 7 Oct 2010 3:50 pm
Sample : T6788 #2 FO 0.1 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:58 2010 Quant Results File: T100710A.RES

Vial: 4
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/13/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.21	286261	10.954 ug/ml
Spiked Amount 100.000	Range 60 - 140	Recovery =	10.95%#
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	2098136	0.101 mg/ml
3) HM TPH HIGH (>1.0)	14.90	2101983	0.102 mg/ml

JJL 10-14-10

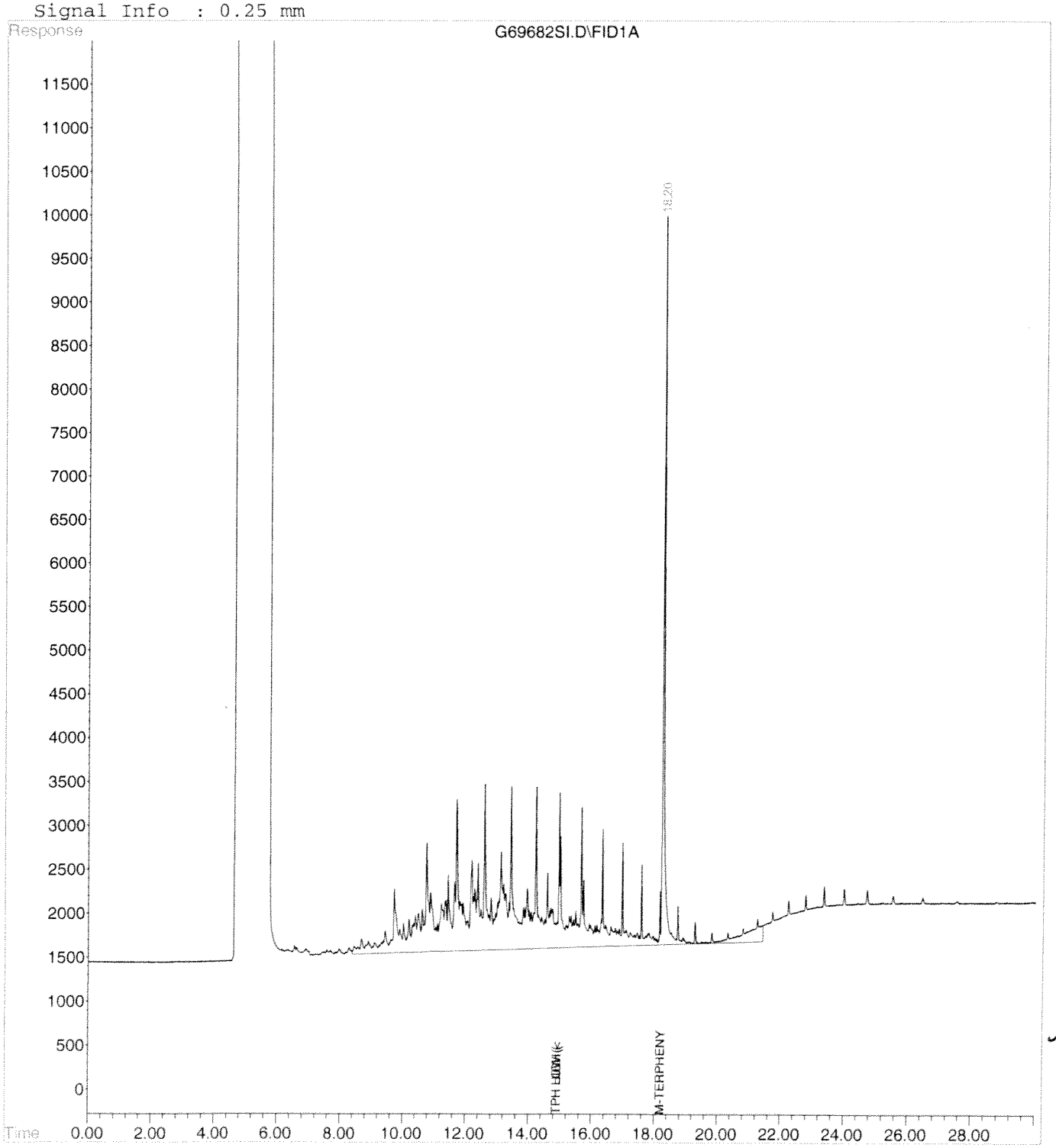
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100710-G\G69682SI.D
Acq On : 7 Oct 2010 3:50 pm
Sample : T6788 #2 FO 0.1 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:58 2010 Quant Results File: T100710A.RES

Vial: 4
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

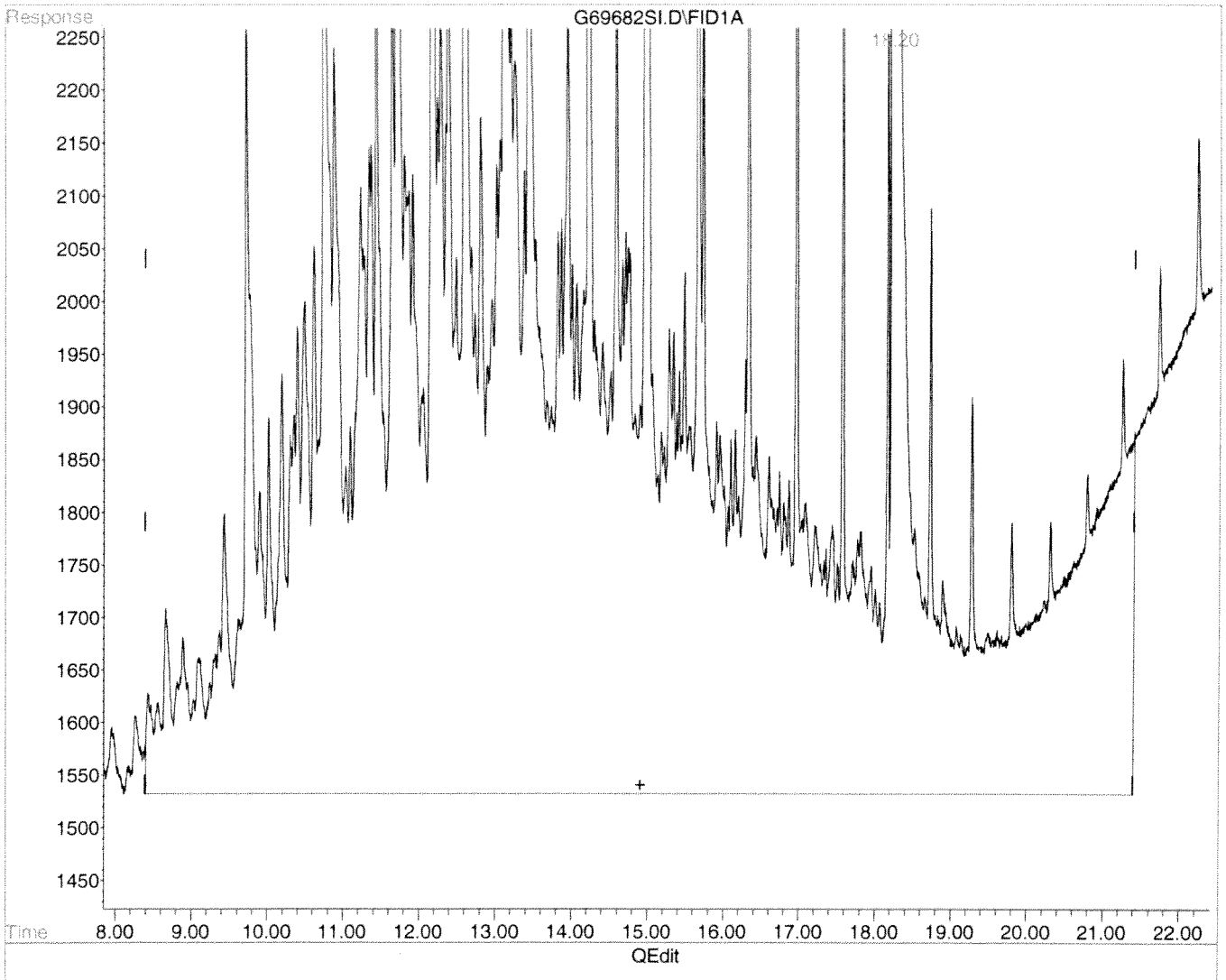


JJL 10-14-10

Data File : D:\TPH\100710-G\G69682SI.D Vial: 4
Acq On : 7 Oct 2010 3:50 pm Operator: JJL
Sample : T6788 #2 FO 0.1 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:57 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

JJL 10/13/10 Baseline



(2) TPH LOW (<1.0) (HM)

14.90min 0.131mg/ml m

response 2710162

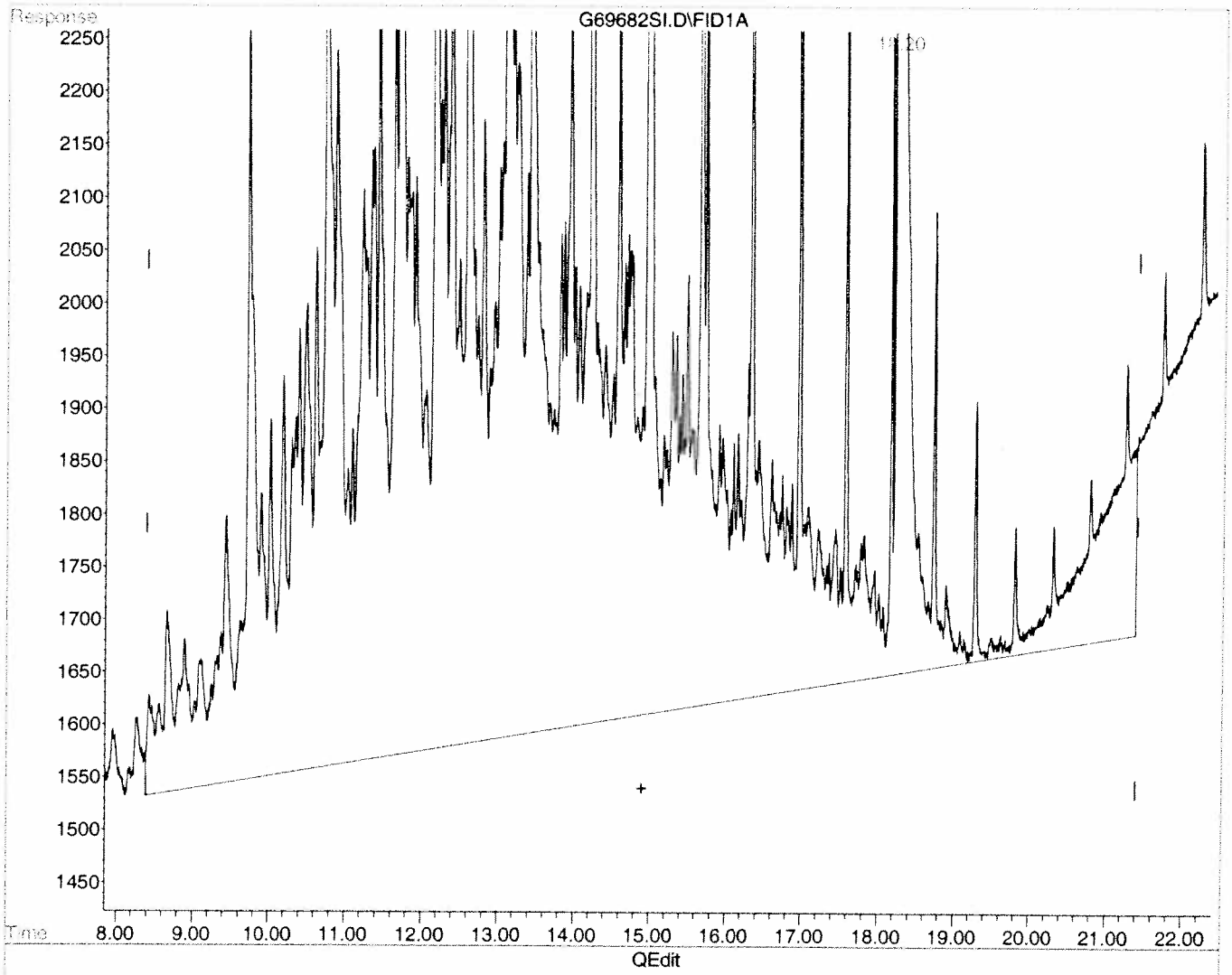
JL 10-14-1

(+) = Expected Retention Time
G69682SI.D T100710A.M Wed Oct 13 15:57:39 2010

Data File : D:\TPH\100710-G\G69682SI.D Vial: 4
Acq On : 7 Oct 2010 3:50 pm Operator: JJL
Sample : T6788 #2 FO 0.1 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:57 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

gg 10/13/10



(2) TPH LOW (<1.0) (HM)

14.90min 0.101mg/ml m

response 2098136

KJL 10-14-10

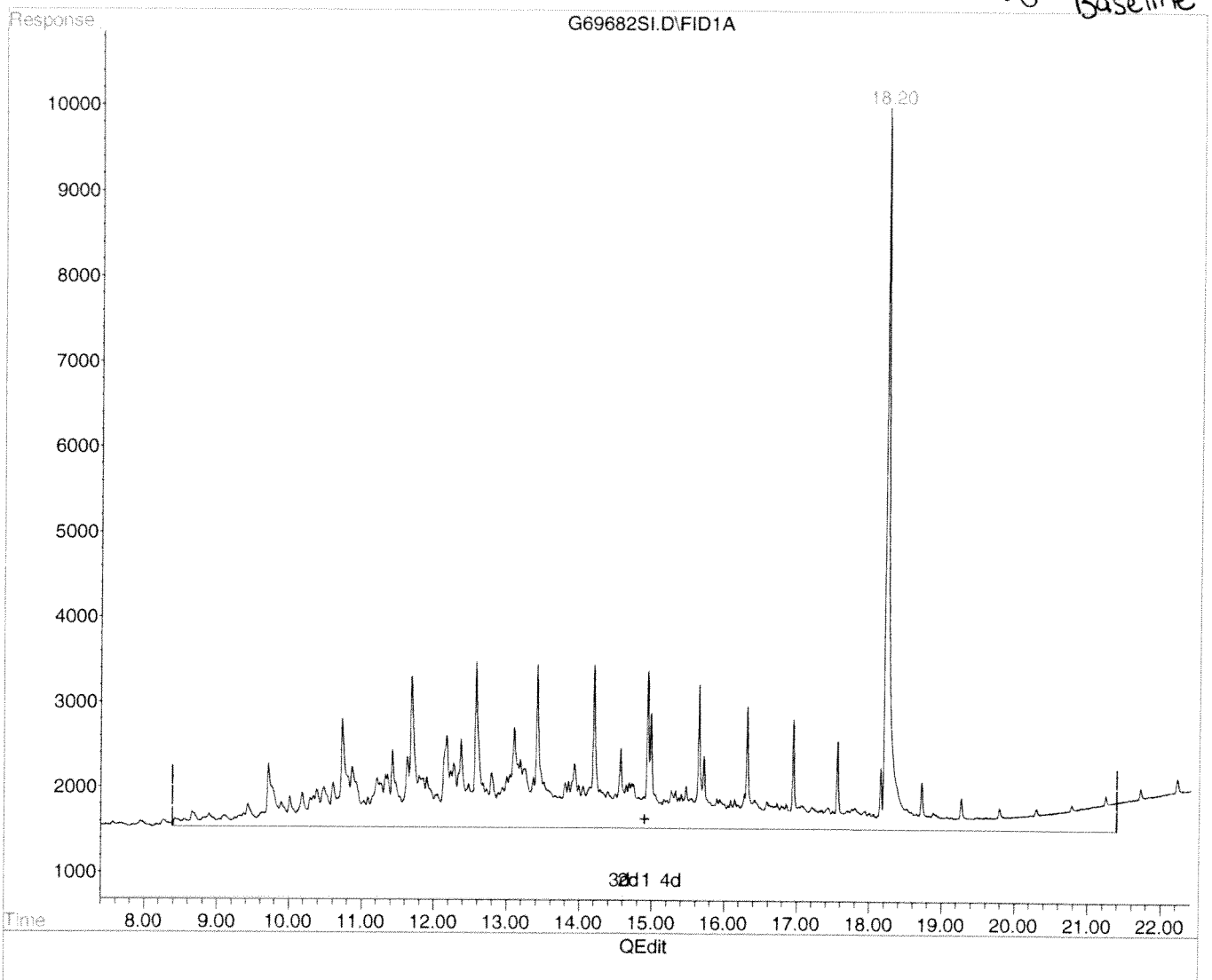
(+) = Expected Retention Time
G69682SI.D T100710A.M Wed Oct 13 15:58:02 2010

Data File : D:\TPH\100710-G\G69682SI.D
Acq On : 7 Oct 2010 3:50 pm
Sample : T6788 #2 FO 0.1 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:57 2010 Quant Results File: T100710A.RES

Vial: 4
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

gg 10/13/10
Baseline



(3) TPH HIGH (>1.0) (HM)

14.90min 0.131mg/ml m

response 2710162

JJL
10.14.10

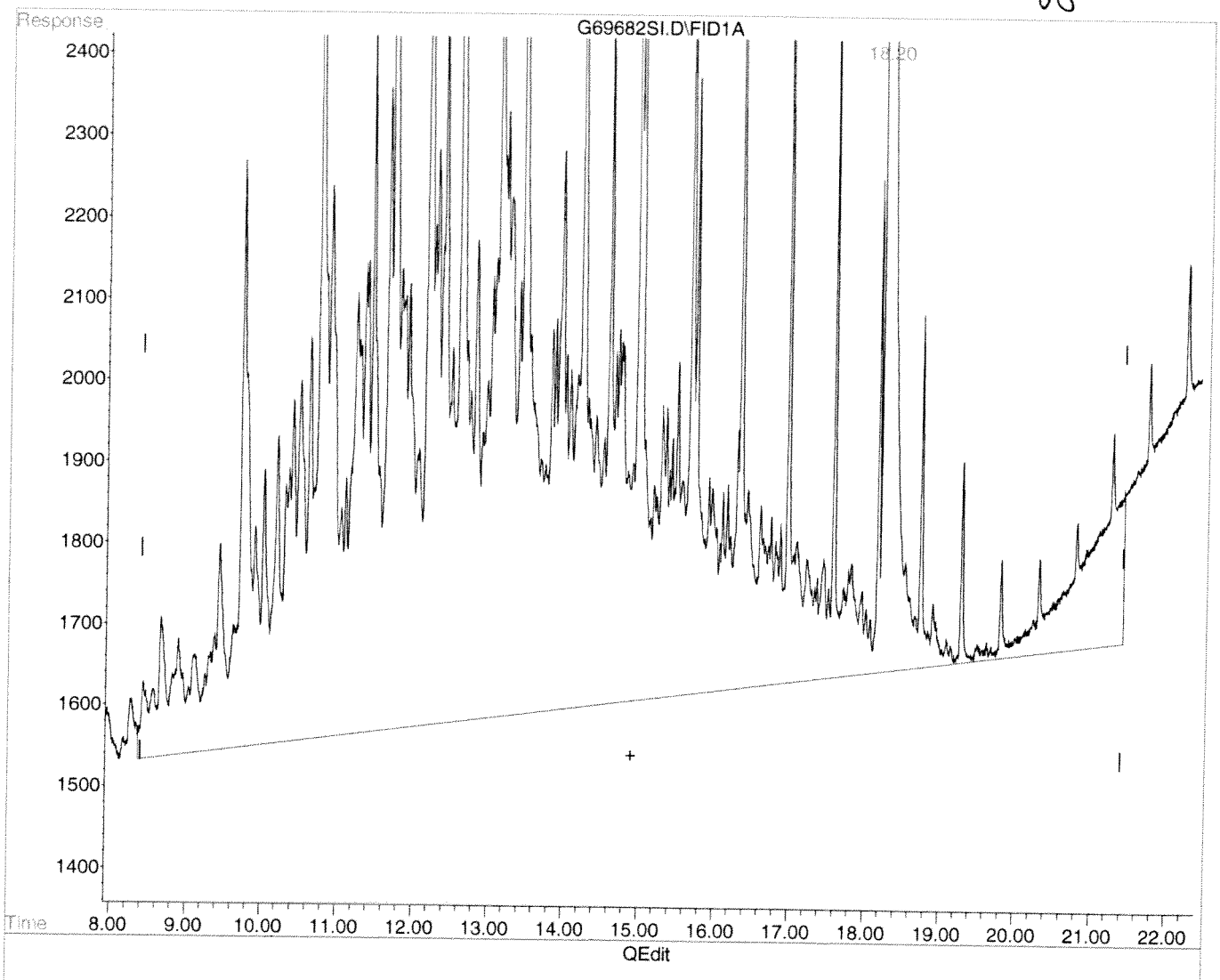
(+) = Expected Retention Time
G69682SI.D T100710A.M Wed Oct 13 15:58:05 2010

Data File : D:\TPH\100710-G\G69682SI.D
Acq On : 7 Oct 2010 3:50 pm
Sample : T6788 #2 FO 0.1 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:57 2010 Quant Results File: T100710A.RES

Vial: 4
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

JJL 10/13/10



(3) TPH HIGH (>1.0) (HM)

14.90min 0.102mg/ml m

response 2101983

JL 10-14-10

(+) = Expected Retention Time
G69682SI.D T100710A.M Wed Oct 13 15:58:17 2010

Data File : D:\TPH\100710-G\G69684SI.D
Acq On : 7 Oct 2010 4:23 pm
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:58 2010 Quant Results File: T100710A.RES

Vial: 5
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/13/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.19	1521862	58.233 ug/mlm
Spiked Amount 100.000	Range 60 - 140	Recovery =	58.23%#
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	12336843	0.596 mg/ml
3) HM TPH HIGH (>1.0)	14.90	12336843	0.596 mg/ml

JL 10-14-10

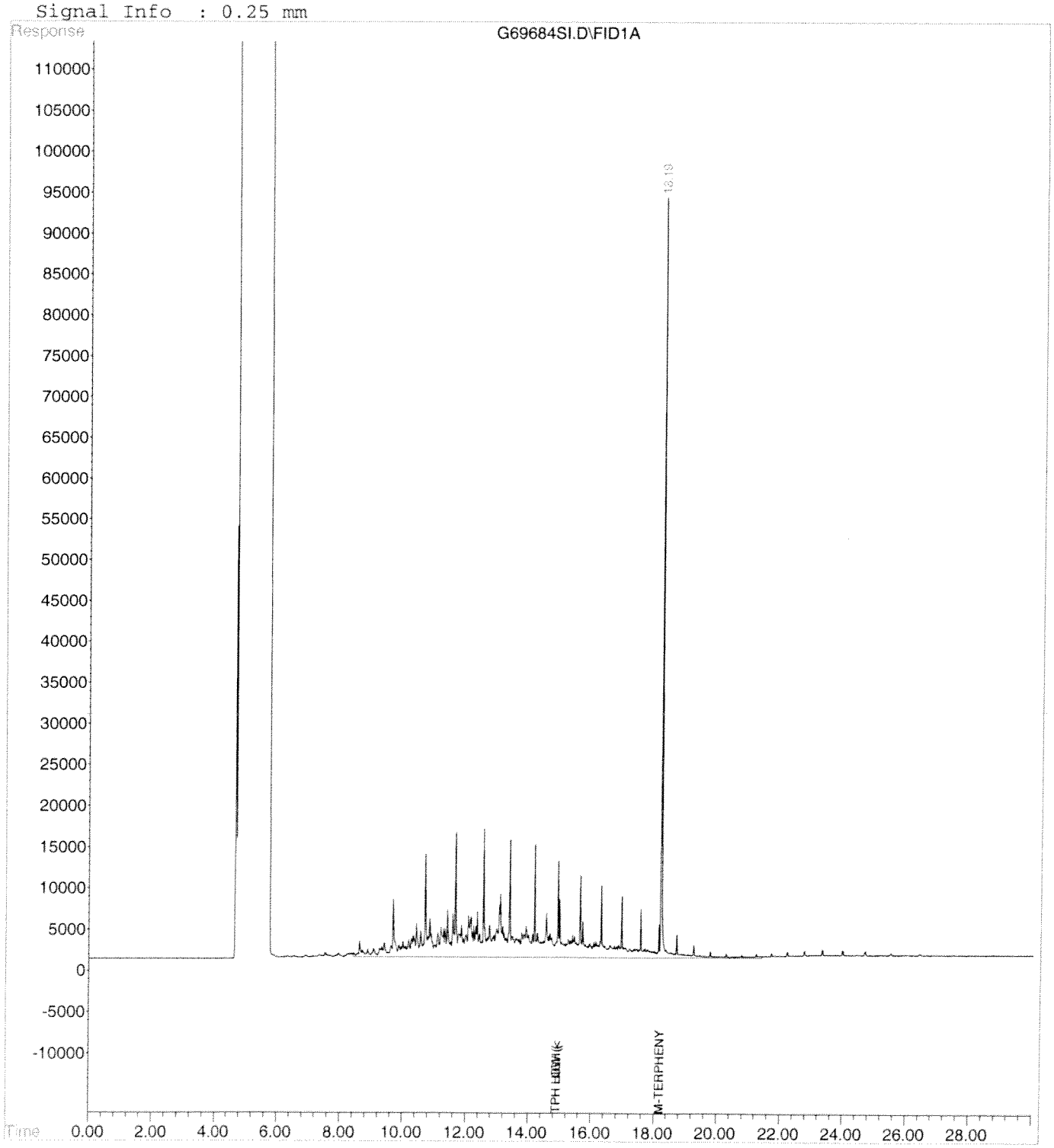
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100710-G\G69684SI.D
Acq On : 7 Oct 2010 4:23 pm
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:58 2010 Quant Results File: T100710A.RES

Vial: 5
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

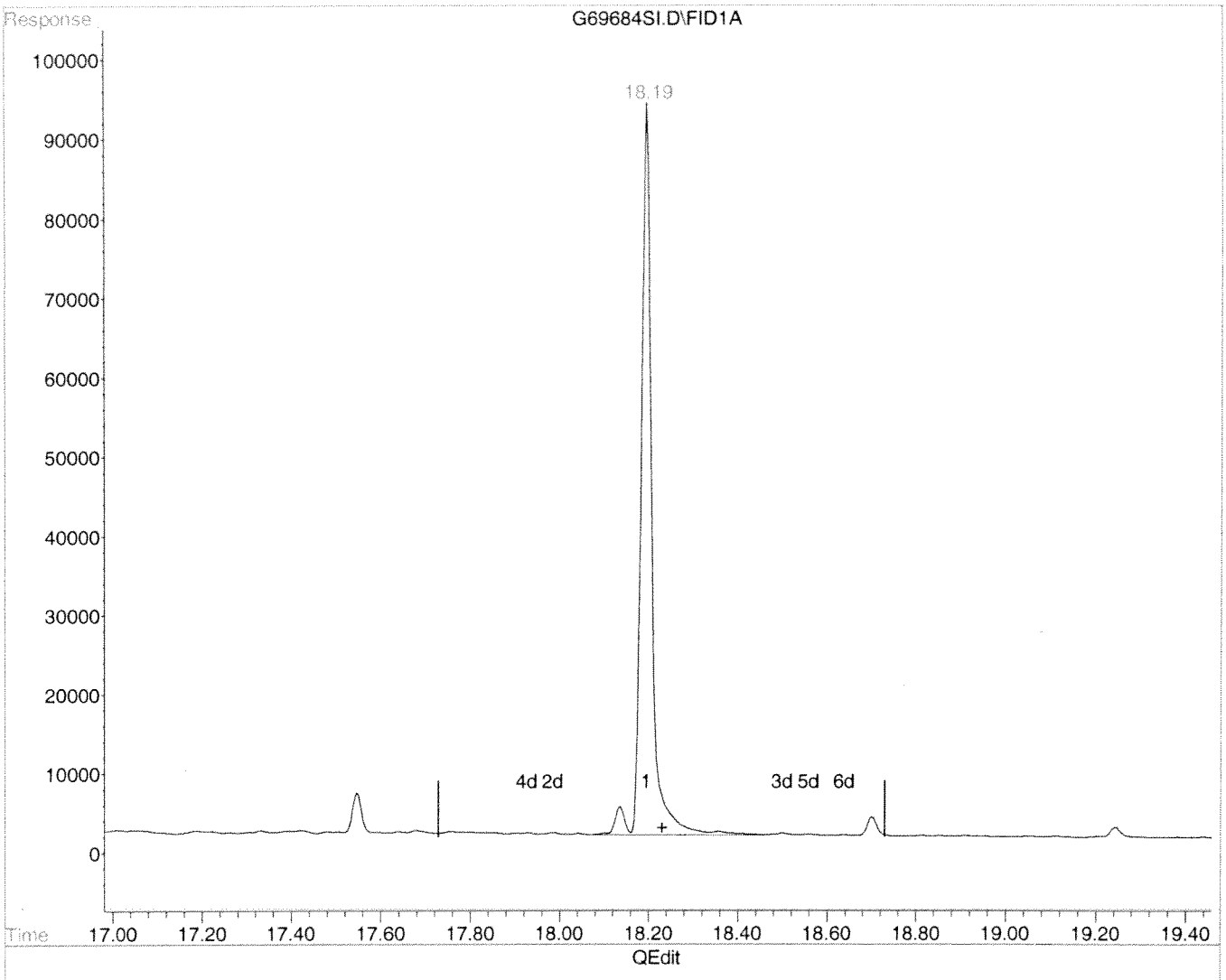
Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



Data File : D:\TPH\100710-G\G69684SI.D Vial: 5
Acq On : 7 Oct 2010 4:23 pm Operator: JJL
Sample : T6798 #2 FO 0.5 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:58 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

gg 10/13/10 ★ E.A.



(1) M-TERPHENYL (S)

18.19min 59.510ug/ml

response 1555231

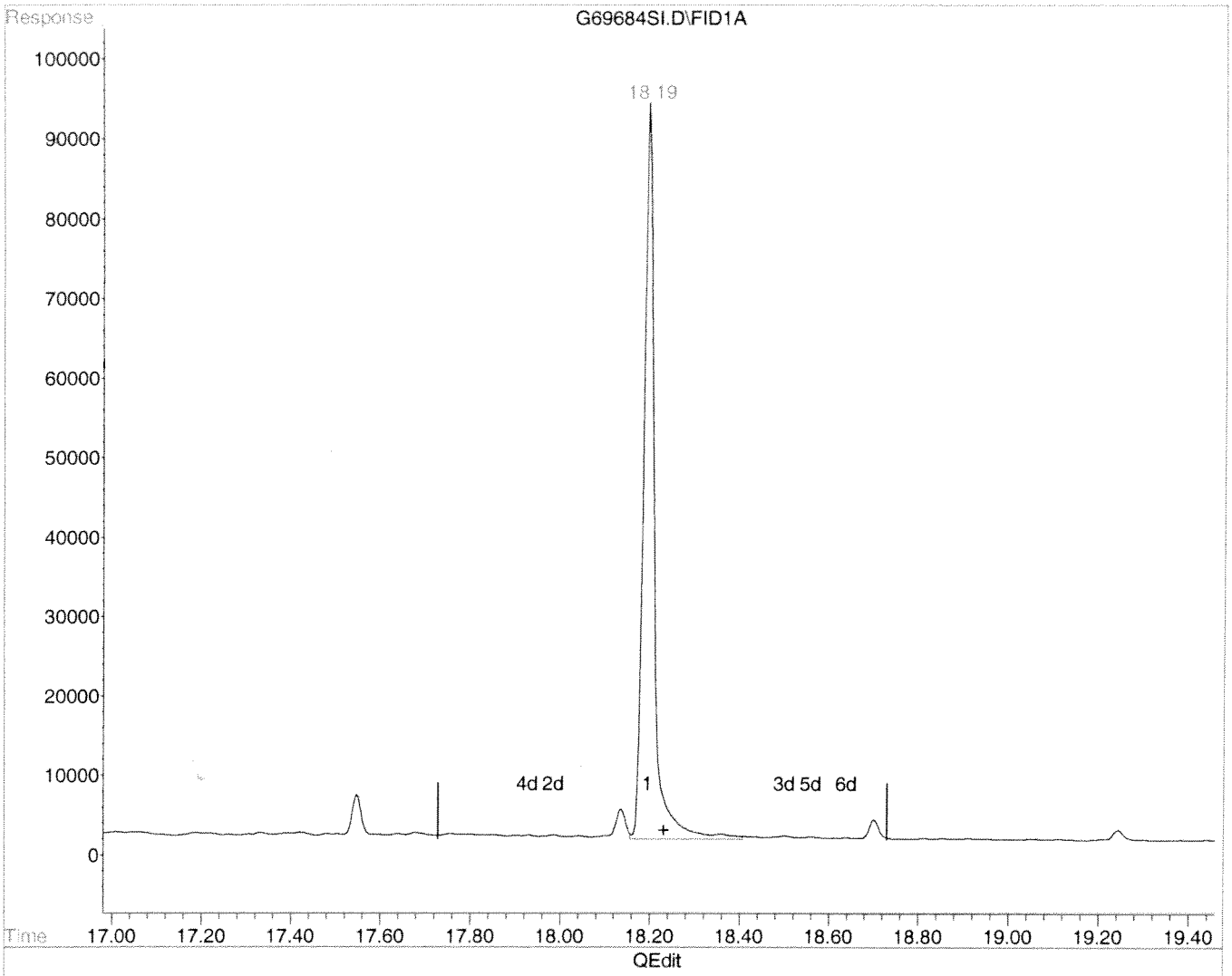
JL 10-14-1

(+) = Expected Retention Time
G69684SI.D T100710A.M Wed Oct 13 15:58:31 2010

Data File : D:\TPH\100710-G\G69684SI.D Vial: 5
Acq On : 7 Oct 2010 4:23 pm Operator: JJL
Sample : T6798 #2 FO 0.5 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:58 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

JJL 10/13/10



(1) M-TERPHENYL (S)

18.19min 58.233ug/ml m

response 1521862

JJL 10-14-10

(+) = Expected Retention Time
G69684SI.D T100710A.M Wed Oct 13 15:58:39 2010

Data File : D:\TPH\100710-G\G69686SI.D Vial: 6
Acq On : 7 Oct 2010 5:03 pm Operator: JJL
Sample : T6799 #2 FO 1.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:59 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/13/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.21	3233913	123.745 ug/mlm
Spiked Amount 100.000 Range 60 - 140 Recovery = 123.74%			
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	27599784	1.334 mg/ml
3) HM TPH HIGH (>1.0)	14.90	27599784	1.334 mg/ml

JL 10.14.10

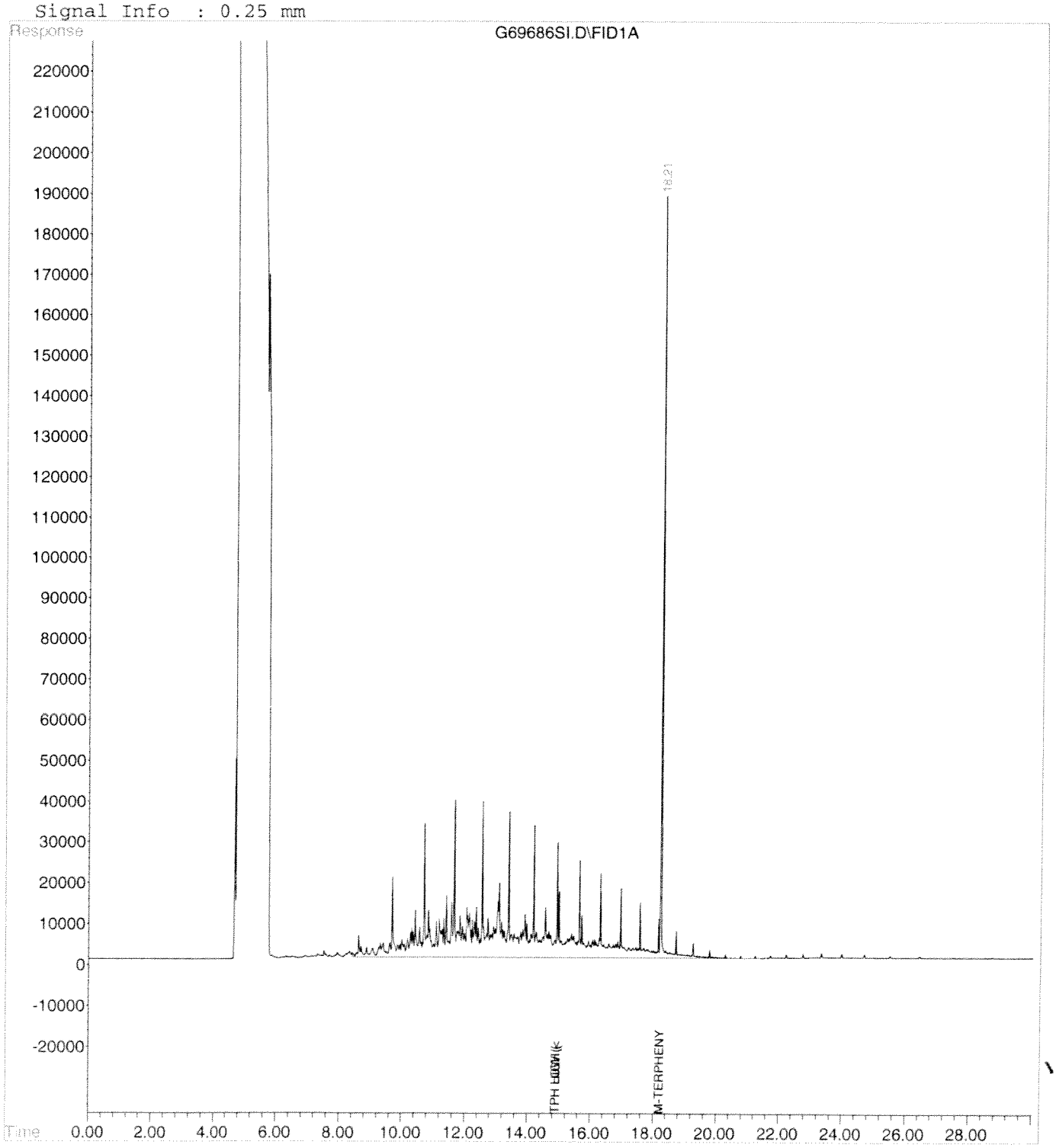
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100710-G\G69686SI.D
Acq On : 7 Oct 2010 5:03 pm
Sample : T6799 #2 FO 1.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:59 2010 Quant Results File: T100710A.RES

Vial: 6
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

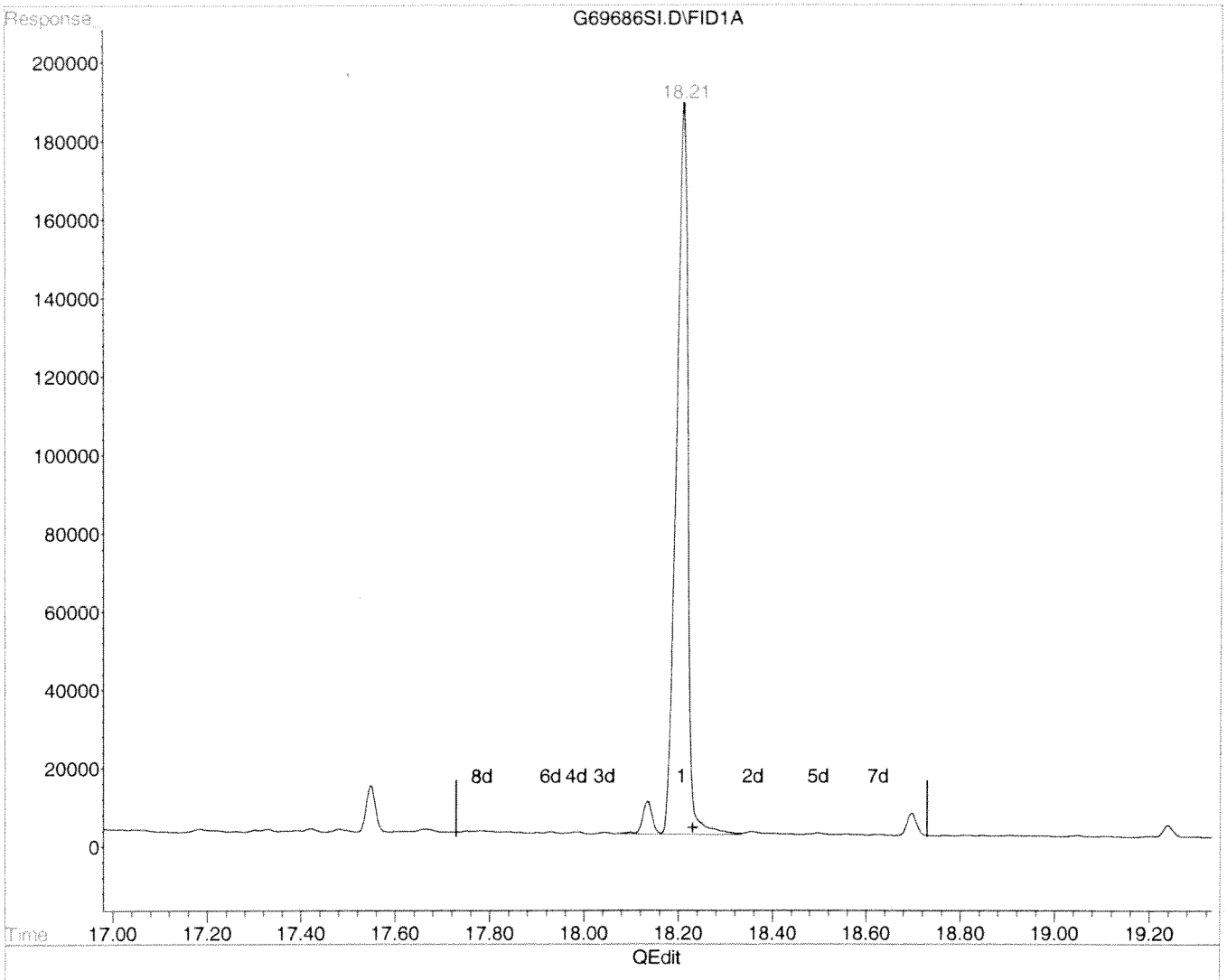
Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



Data File : D:\TPH\100710-G\G69686SI.D Vial: 6
Acq On : 7 Oct 2010 5:03 pm Operator: JJL
Sample : T6799 #2 FO 1.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:58 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

gg 10/13/10
★ E.A.



(1) M-TERPHENYL (S)

18.21min 126.617ug/ml

response 3308993

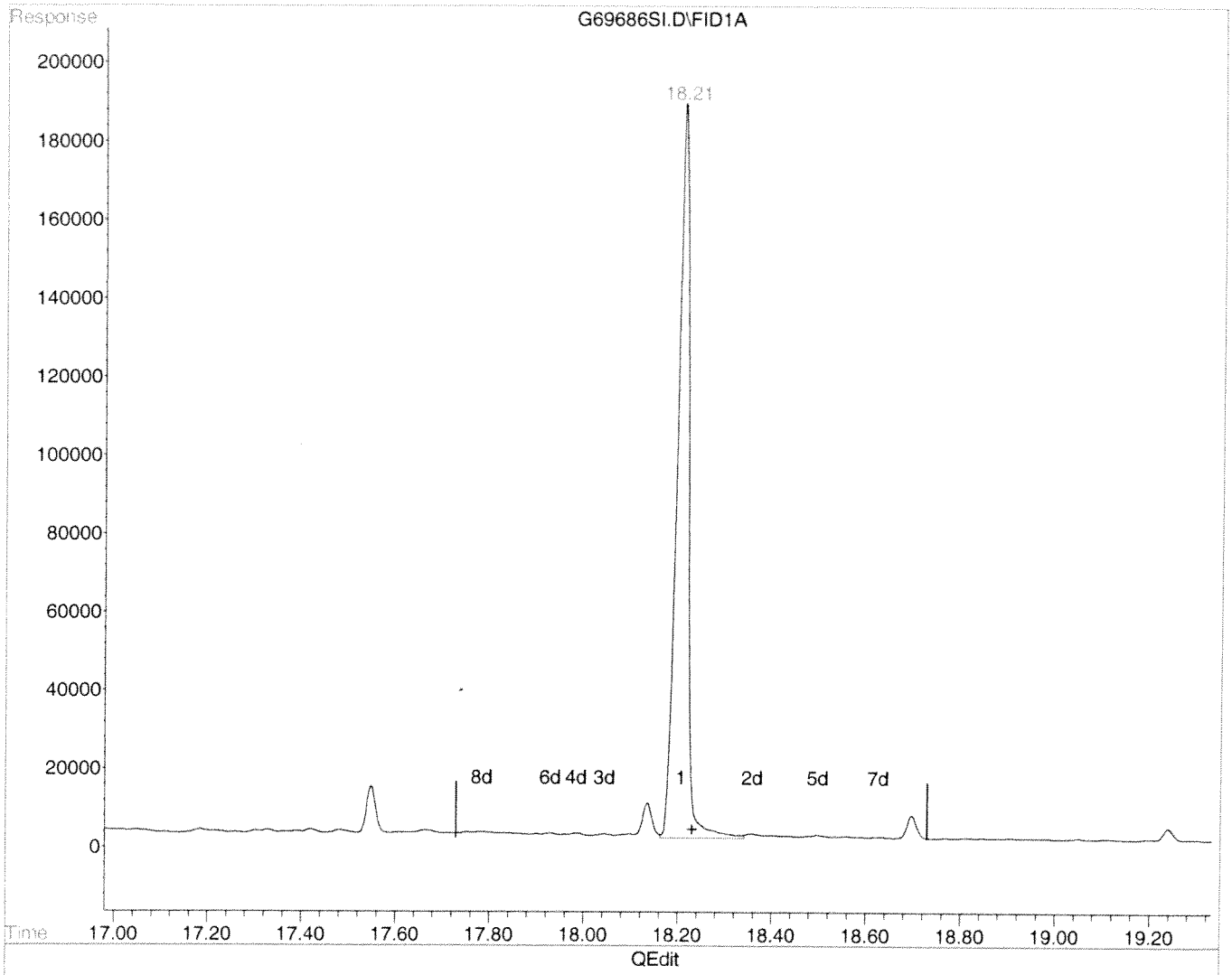
JJL
10-14-1

(+) = Expected Retention Time
G69686SI.D T100710A.M Wed Oct 13 15:58:57 2010

Data File : D:\TPH\100710-G\G69686SI.D Vial: 6
Acq On : 7 Oct 2010 5:03 pm Operator: JJL
Sample : T6799 #2 FO 1.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:58 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

gg 10/13/10



(1) M-TERPHENYL (S)

18.21min 123.745ug/ml m

response 3233913

JL 10-14-10

(+) = Expected Retention Time
G69686SI.D T100710A.M Wed Oct 13 15:59:03 2010

Data File : D:\TPH\100710-G\G69688SI.D
Acq On : 7 Oct 2010 5:47 pm
Sample : T6789 #2 FO 2.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:59 2010 Quant Results File: T100710A.RES

Vial: 7
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/13/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.23	6687975	255.913 ug/mlm
Spiked Amount 100.000 Range 60 - 140 Recovery = 255.91%#			
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	56293602	2.720 mg/ml
3) HM TPH HIGH (>1.0)	14.90	56293602	2.720 mg/ml

JJL 10.14.10

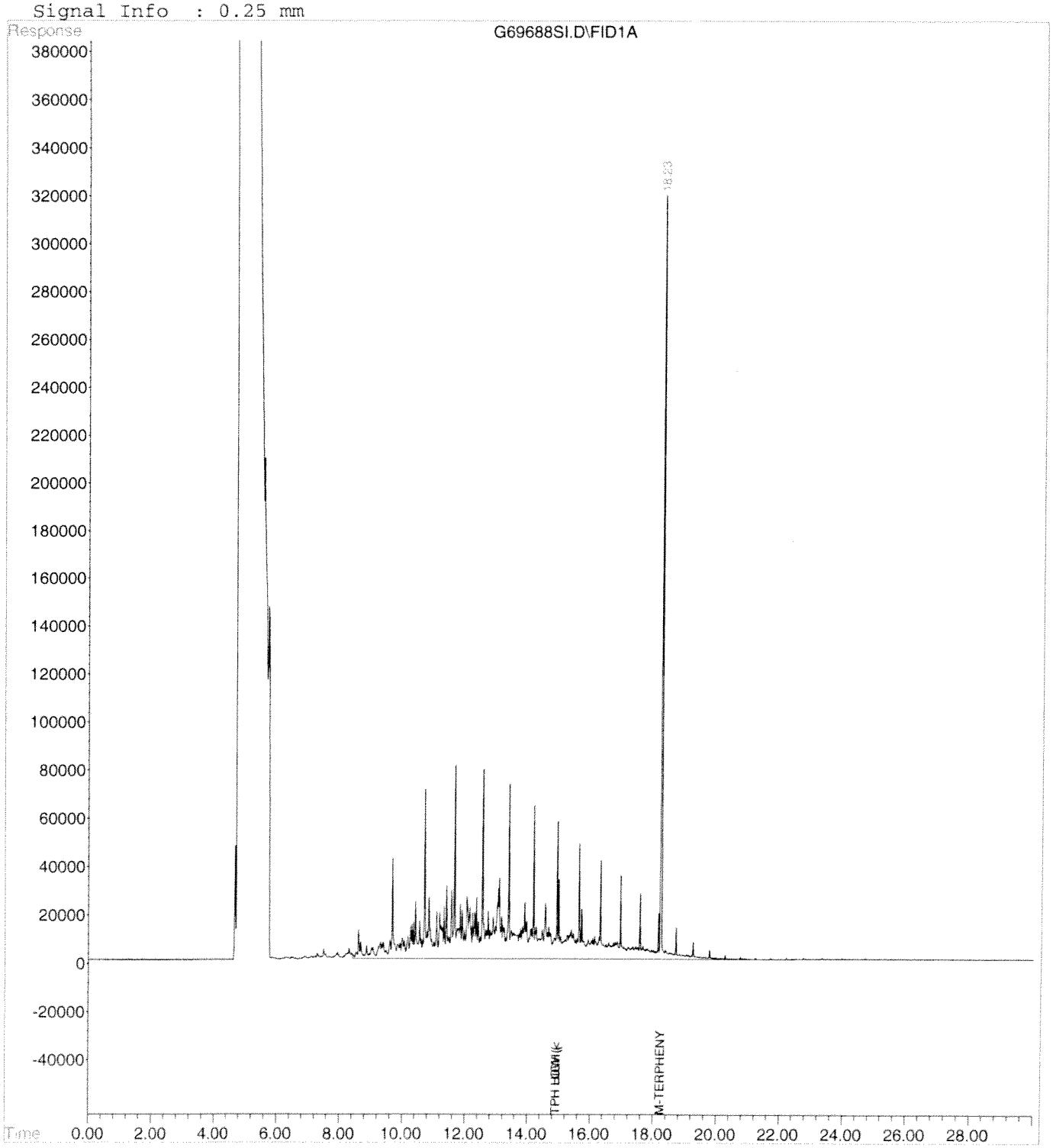
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100710-G\G69688SI.D
Acq On : 7 Oct 2010 5:47 pm
Sample : T6789 #2 FO 2.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:59 2010 Quant Results File: T100710A.RES

Vial: 7
Operator: JJL
Inst : INST G
Multiple: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

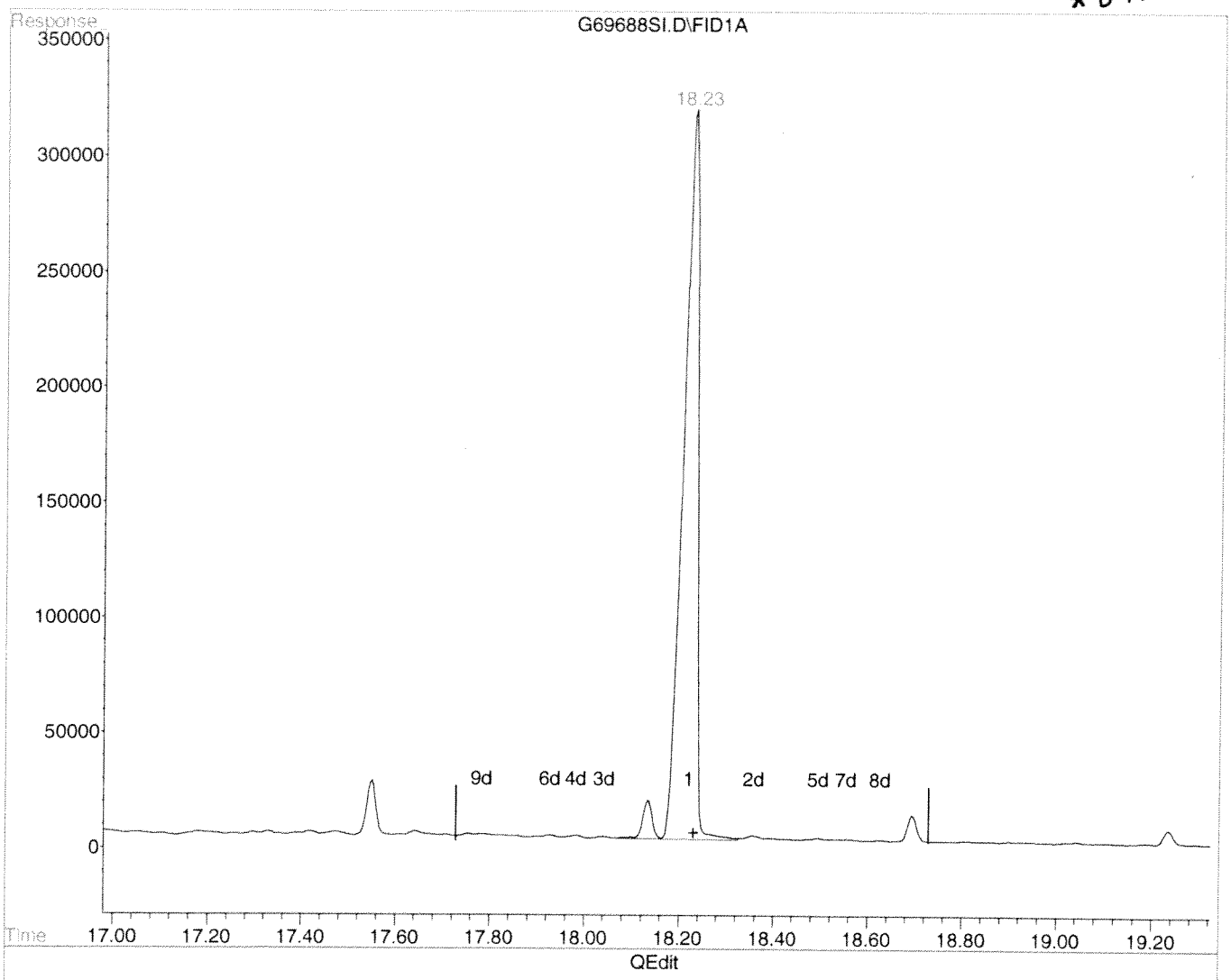


Data File : D:\TPH\100710-G\G69688SI.D
Acq On : 7 Oct 2010 5:47 pm
Sample : T6789 #2 FO 2.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:59 2010 Quant Results File: T100710A.RES

Vial: 7
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

gg 10/13/10
★E.A.



(1) M-TERPHENYL (S)

18.22min 263.800ug/ml

response 6894105

JJL
10-14-10

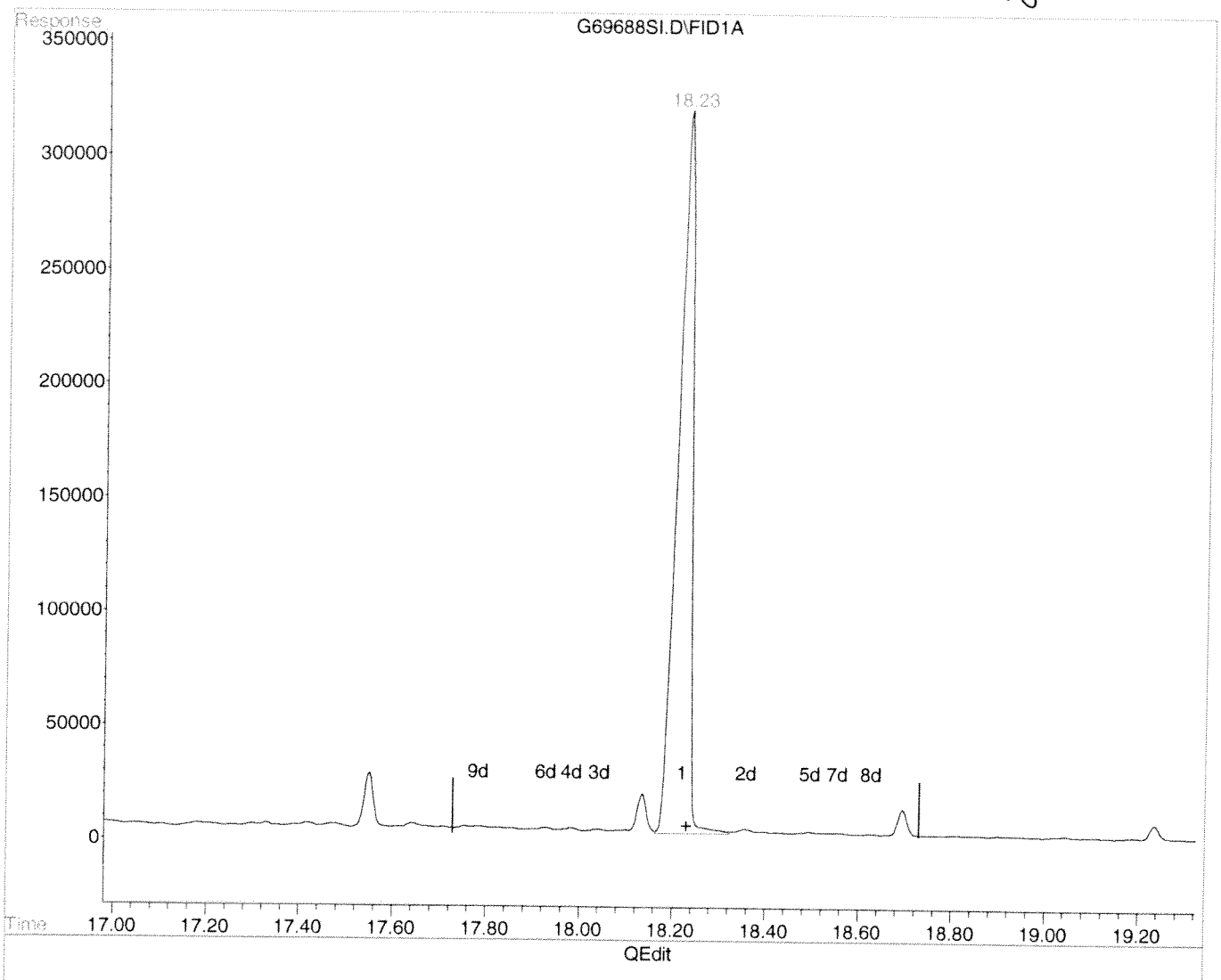
(+) = Expected Retention Time
G69688SI.D T100710A.M Wed Oct 13 15:59:19 2010

Data File : D:\TPH\100710-G\G69688SI.D
Acq On : 7 Oct 2010 5:47 pm
Sample : T6789 #2 FO 2.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:59 2010 Quant Results File: T100710A.RES

Vial: 7
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

88 10/13/10



(1) M-TERPHENYL (S)

18.23min 255.913ug/ml m

response 6687975

(+) = Expected Retention Time
G69688SI.D T100710A.M Wed Oct 13 15:59:25 2010

10-14-10

Data File : D:\TPH\100710-G\G69690SI.D Vial: 8
Acq On : 7 Oct 2010 6:16 pm Operator: JJL
Sample : T6790 #2 FO 5.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:59 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/13/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.27	17709410	677.644 ug/mlm
Spiked Amount 100.000 Range 60 - 140 Recovery = 677.64%#			
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	149839092	7.241 mg/ml
3) HM TPH HIGH (>1.0)	14.90	149839092	7.241 mg/ml

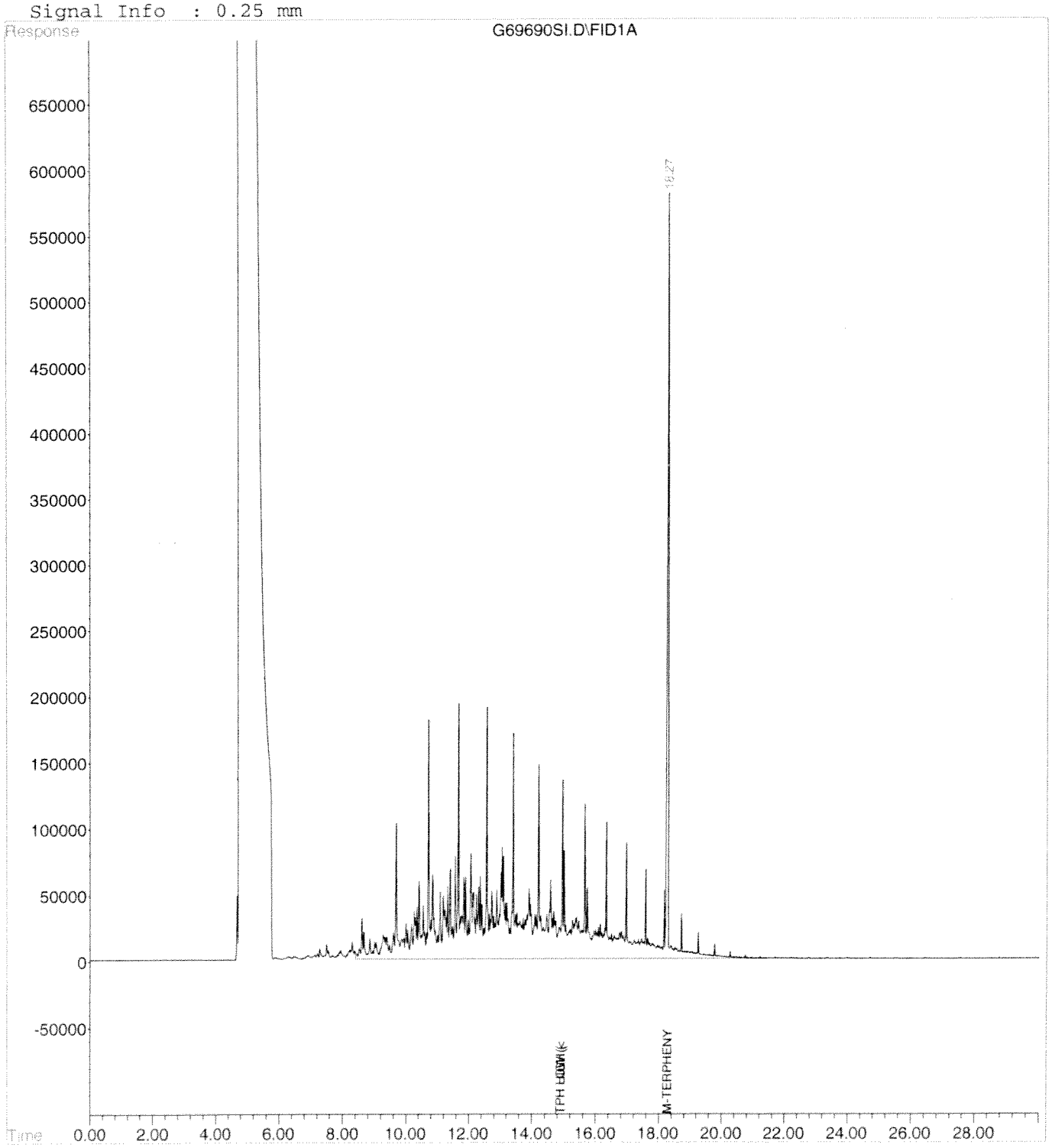
JJL 10-14-10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100710-G\G69690SI.D Vial: 8
Acq On : 7 Oct 2010 6:16 pm Operator: JJL
Sample : T6790 #2 FO 5.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:59 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

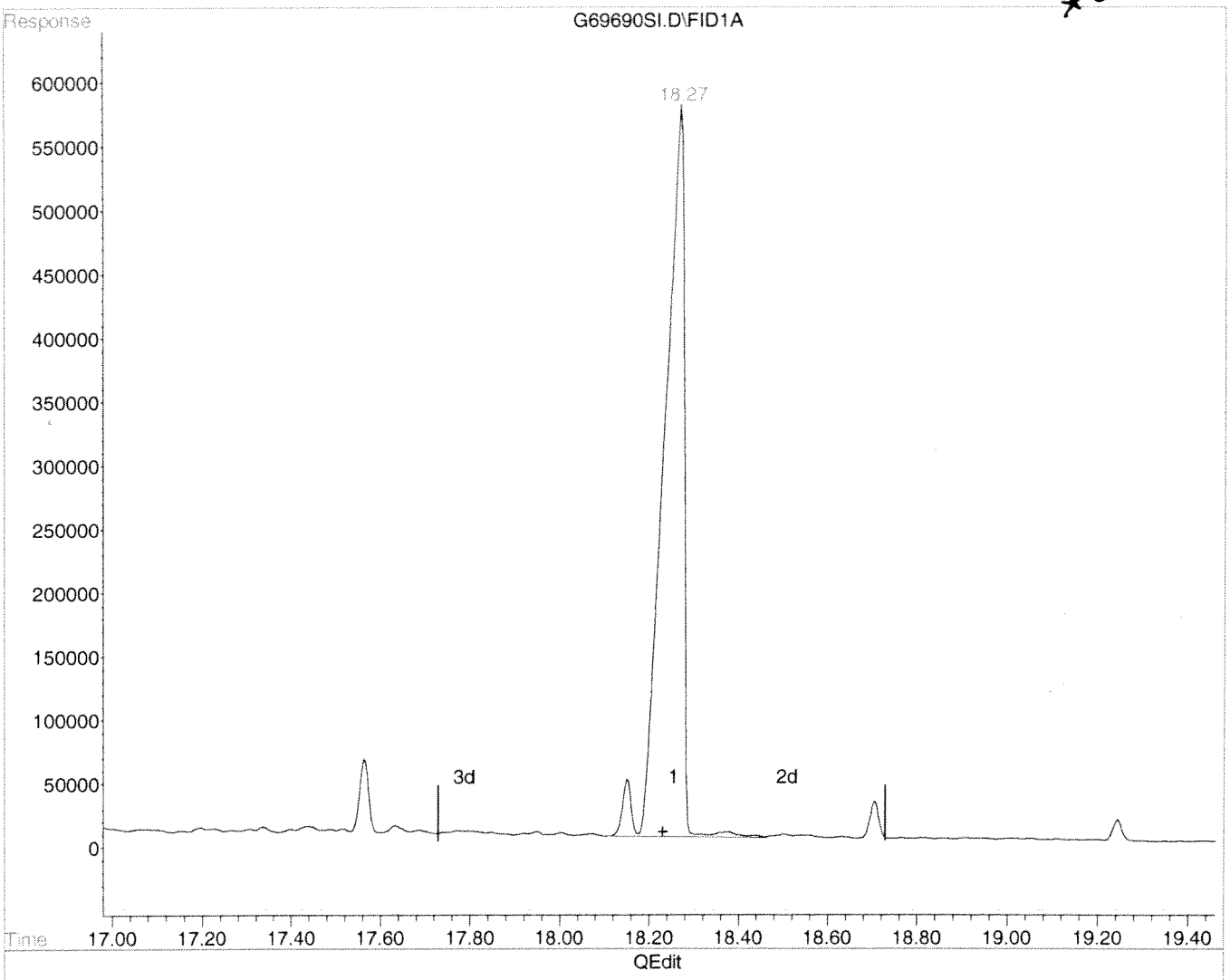
Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



Data File : D:\TPH\100710-G\G69690SI.D Vial: 8
Acq On : 7 Oct 2010 6:16 pm Operator: JJL
Sample : T6790 #2 FO 5.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:59 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

88 10/13/10
★ E.A.



(1) M-TERPHENYL (S)

18.25min 700.758ug/ml

response 18313465

10-14-1

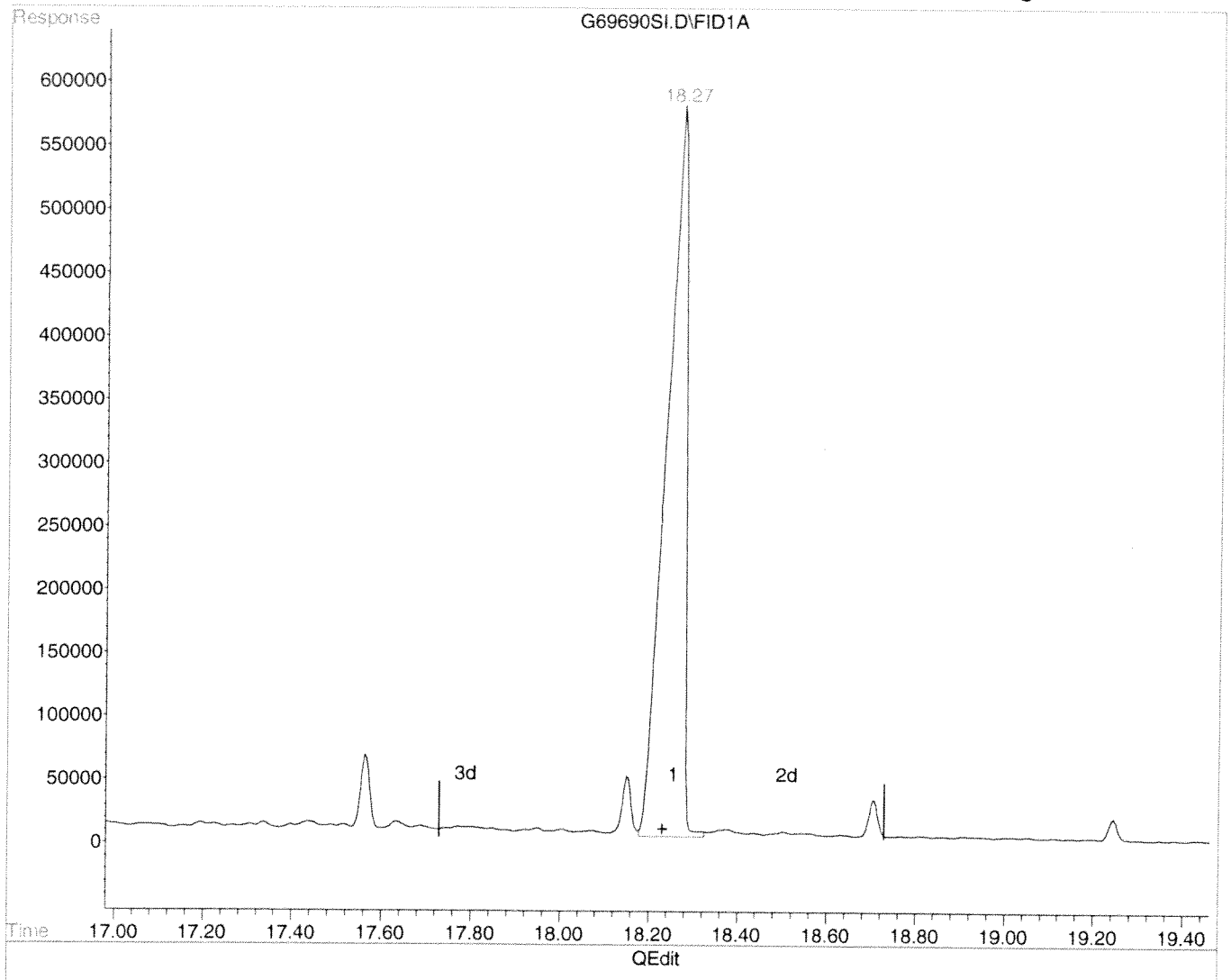
(+) = Expected Retention Time
G69690SI.D T100710A.M Wed Oct 13 15:59:40 2010

Data File : D:\TPH\100710-G\G69690SI.D
Acq On : 7 Oct 2010 6:16 pm
Sample : T6790 #2 FO 5.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 15:59 2010 Quant Results File: T100710A.RES

Vial: 8
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

JJL 10/13/10



(1) M-TERPHENYL (S)

18.27min 677.644ug/ml m

response 17709410

10-14-10

(+) = Expected Retention Time
G69690SI.D T100710A.M Wed Oct 13 15:59:53 2010

Data File : D:\TPH\100710-G\G69692SI.D Vial: 9
Acq On : 7 Oct 2010 7:00 pm Operator: JJL
Sample : T6791 #2 FO 10.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 16:00 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

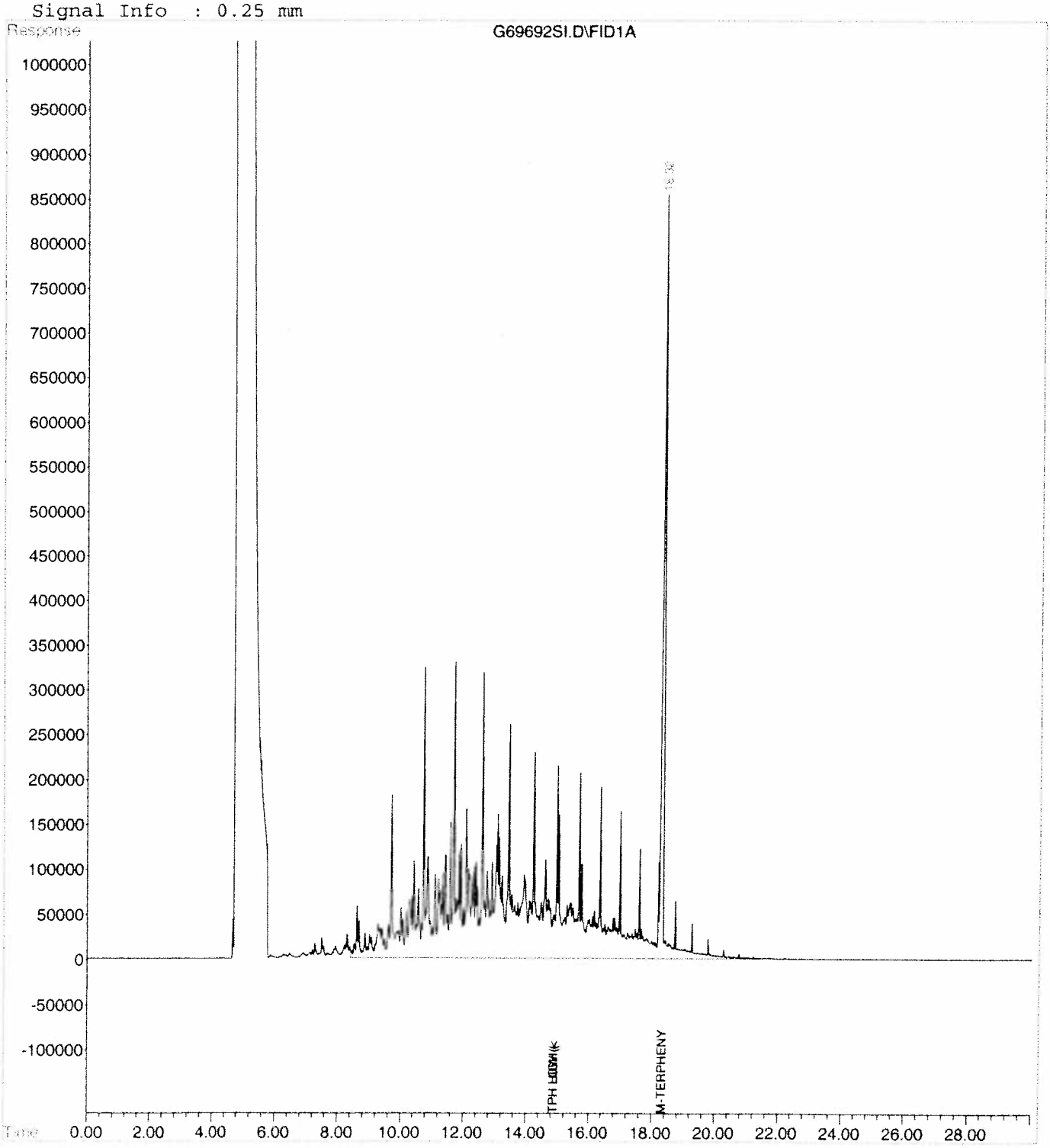
gg 10/13/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.31	37809058	1446.750 ug/ml
Spiked Amount 100.000 Range 60 - 140 Recovery = 1446.75%#			
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	304915589	14.735 mg/ml
3) HM TPH HIGH (>1.0)	14.90	304915589	14.735 mg/ml

JL 10-14-10

(f)=RT Delta > 1/2 Window (m)=manual int.

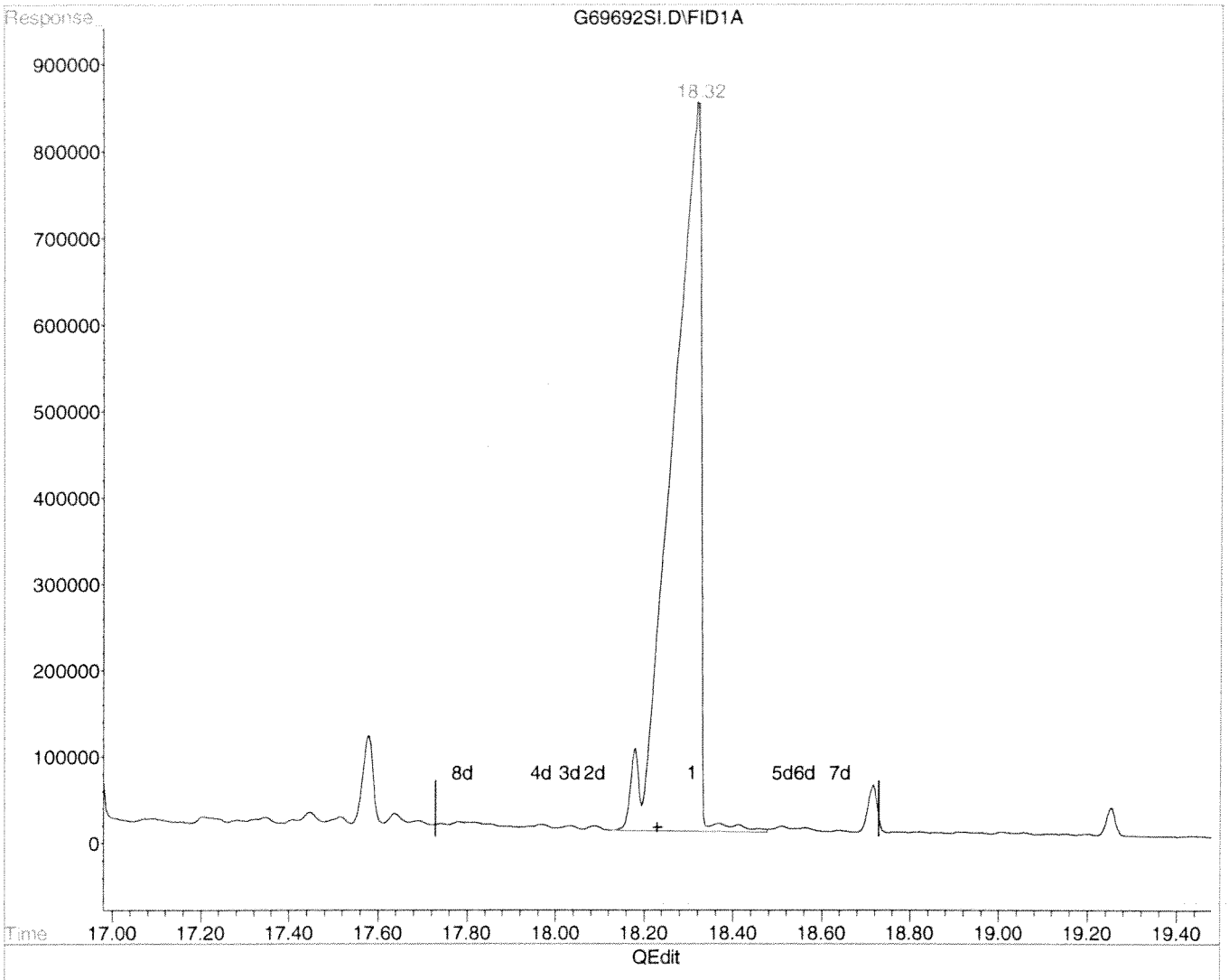
```
Data File : D:\TPH\100710-G\G69692SI.D                    Vial: 9
Acq On    :  7 Oct 2010   7:00 pm                      Operator: JJL
Sample    : T6791 #2 FO 10.0 MG/ML                      Inst    : INST G
Misc      :                                             Multiplr: 1.00
IntFile   : AUTOINT1.E
Quant Time: Oct 13 16:00 2010  Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title        : DRO
Last Update  : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj.  : 1ul
Signal Phase : Rtx-5MS
Signal Info  : 0.25 mm
```



Data File : D:\TPH\100710-G\G69692SI.D Vial: 9
Acq On : 7 Oct 2010 7:00 pm Operator: JJL
Sample : T6791 #2 FO 10.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 16:00 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

gg 10/13/10
+E.A.



(1) M-TERPHENYL (S)

18.31min 1446.750ug/ml

response 37809058

JL
10.14.1

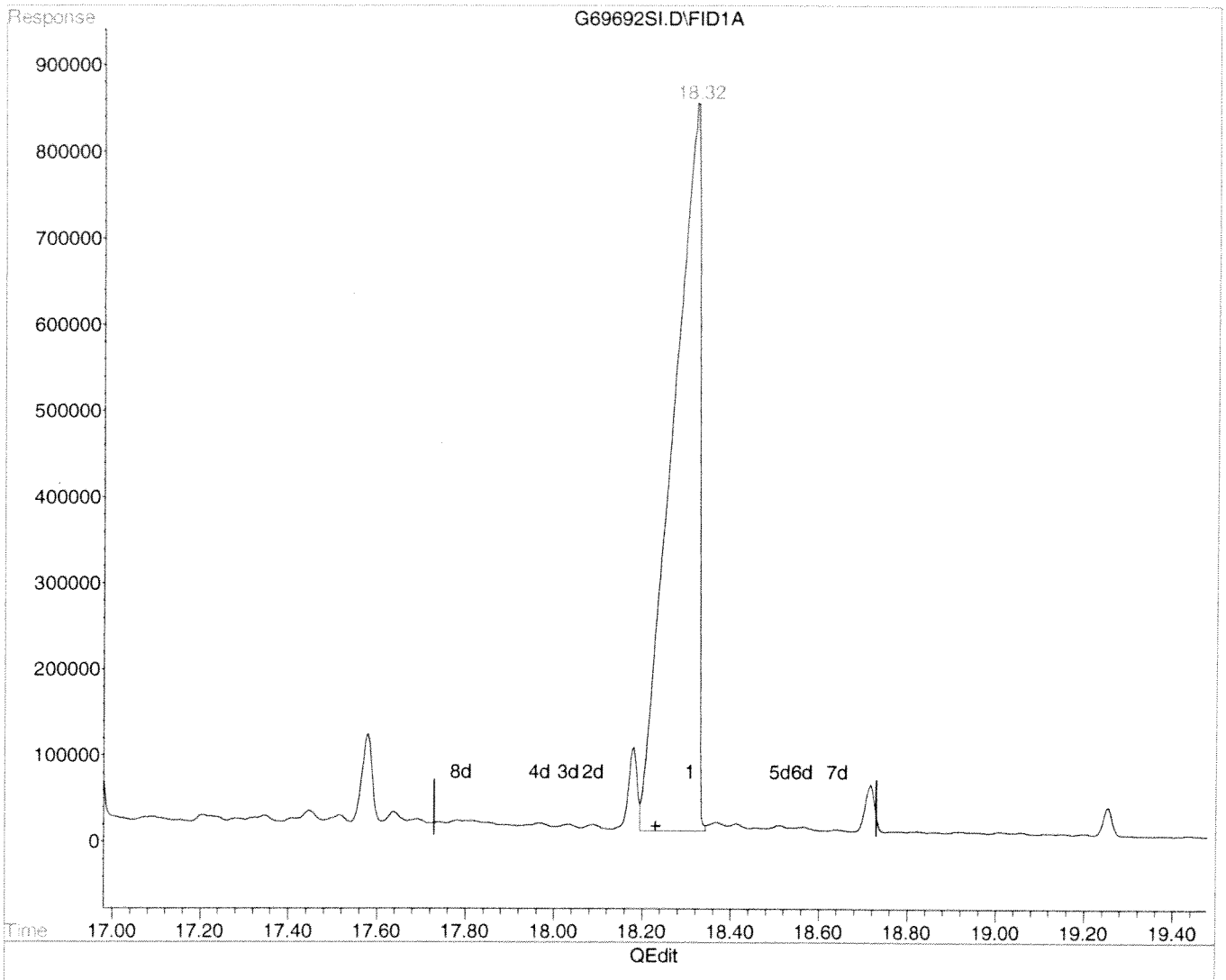
(+) = Expected Retention Time
G69692SI.D T100710A.M Wed Oct 13 16:00:08 2010

Data File : D:\TPH\100710-G\G69692SI.D
Acq On : 7 Oct 2010 7:00 pm
Sample : T6791 #2 FO 10.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 16:00 2010 Quant Results File: T100710A.RES

Vial: 9
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

JJL 10/13/10



(1) M-TERPHENYL (S)

18.32min 1383.928ug/ml m

response 36167279

JL 10-14-1

(+) = Expected Retention Time
G69692SI.D T100710A.M Wed Oct 13 16:00:22 2010

Data File : D:\TPH\100710-G\G69694SI.D Vial: 10
Acq On : 7 Oct 2010 7:29 pm Operator: JJL
Sample : T6792 #2 FO 25.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 16:01 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/13/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.43	105968865	4054.860 ug/mlm
Spiked Amount 100.000 Range 60 - 140		Recovery	= 4054.86%#
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	845030203	40.837 mg/ml
3) HM TPH HIGH (>1.0)	14.90	845030203	40.837 mg/ml

JL 10.14.10

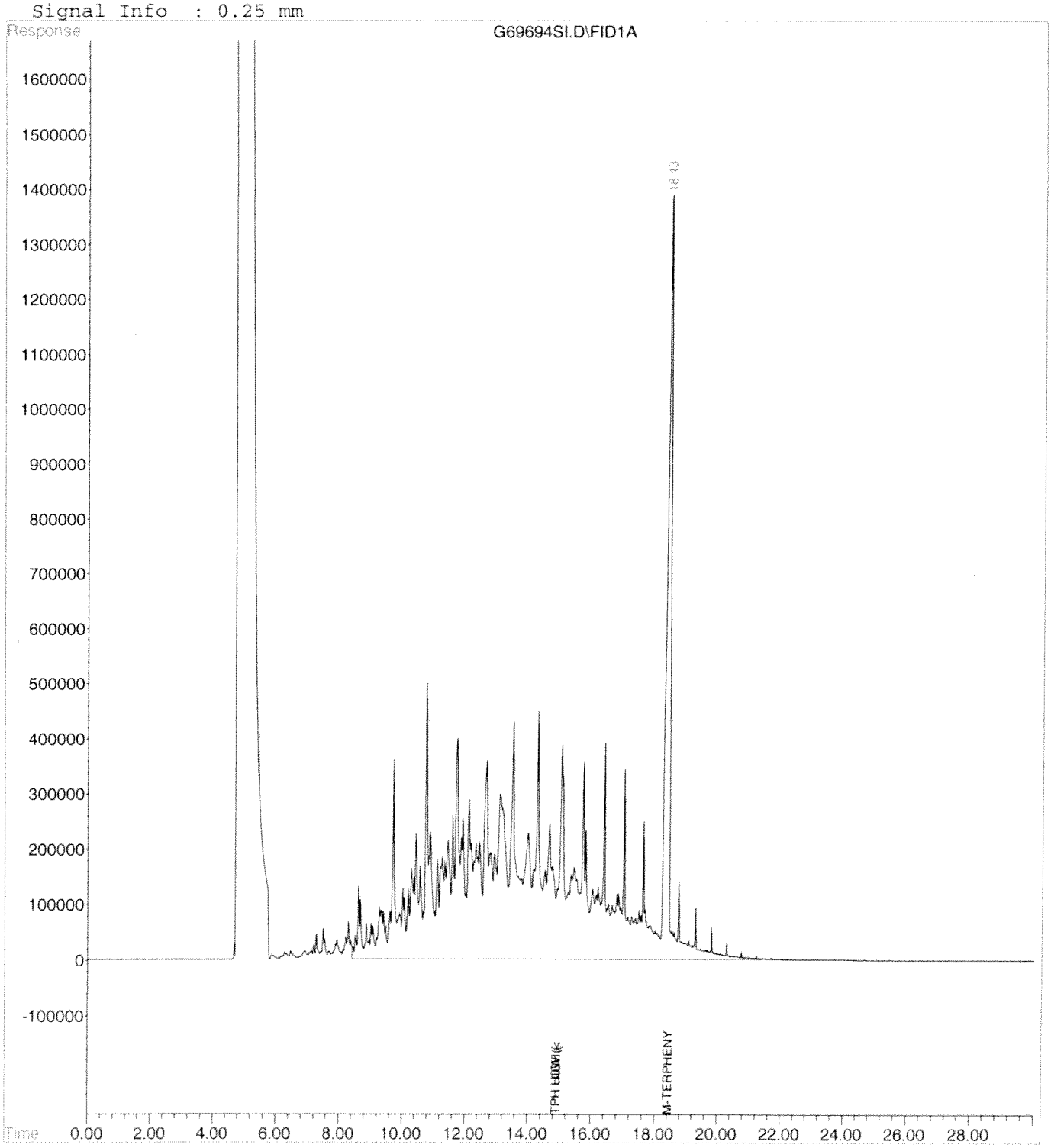
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100710-G\G69694SI.D Vial: 10
Acq On : 7 Oct 2010 7:29 pm Operator: JJL
Sample : T6792 #2 FO 25.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 16:01 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

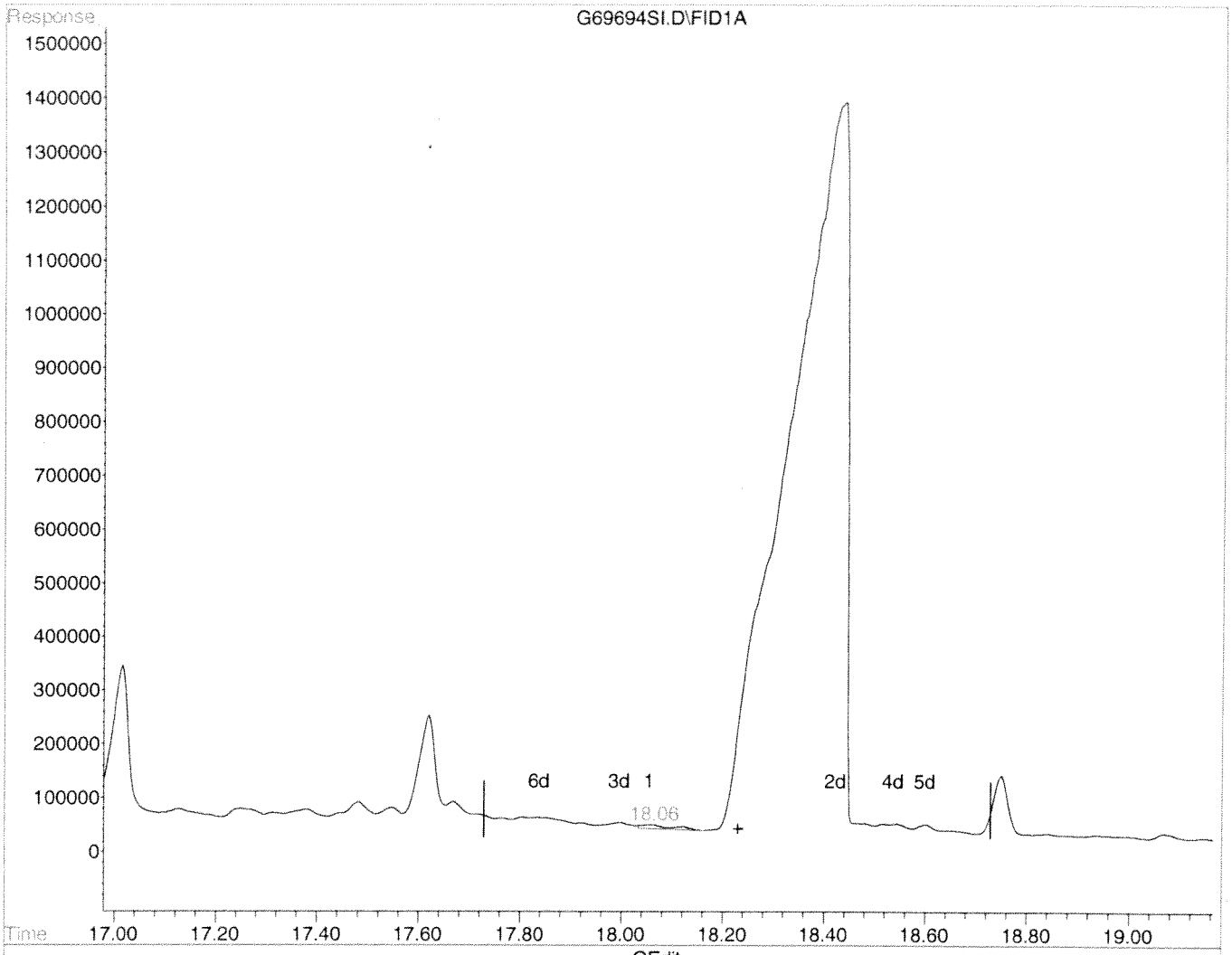
JJL 10/13/10



Data File : D:\TPH\100710-G\G69694SI.D Vial: 10
Acq On : 7 Oct 2010 7:29 pm Operator: JJL
Sample : T6792 #2 FO 25.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 16:01 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

gg 10/13/10
★ m.p.



(1) M-TERPHENYL (S)

18.05min 12.709ug/ml

response 332134

JL 10-14-1

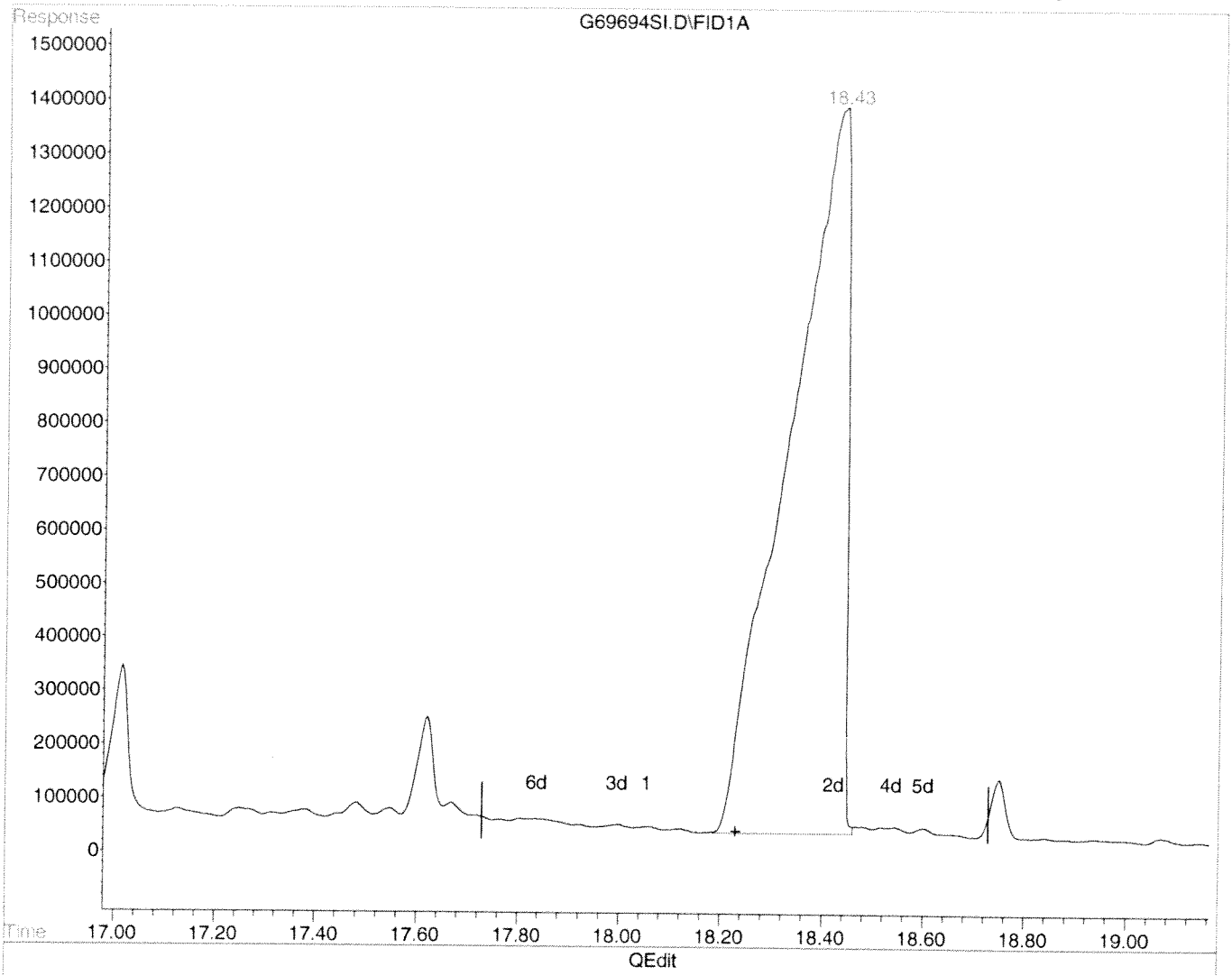
(+) = Expected Retention Time
G69694SI.D T100710A.M Wed Oct 13 16:01:14 2010

Data File : D:\TPH\100710-G\G69694SI.D
Acq On : 7 Oct 2010 7:29 pm
Sample : T6792 #2 FO 25.0 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 13 16:01 2010 Quant Results File: T100710A.RES

Vial: 10
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 15:54:59 2010
Response via : Multiple Level Calibration

88 10/13/10



(1) M-TERPHENYL (S)

18.43min 4054.860ug/ml m

response 105968865

(+) = Expected Retention Time
G69694SI.D T100710A.M Wed Oct 13 16:01:20 2010

10-14.

TOTAL PETROLEUM HYDROCARBONS
INITIAL CALIBRATION VERIFICATION

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: T6796 #2 FO CC 1.0 MG
Data File ID: G69696SI.D

COMPOUND	STANDARD RESULT (mg/mL)	% Recovery	#
M-TERPHENYL	91.4	91	
TPH LOW (<1.0)	1.095	109	
TPH HIGH (>1.0)	1.097	110	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

TPH FORM 7

Data File : D:\TPH\100710-G\G69696SI.D Vial: 11
Acq On : 7 Oct 2010 8:13 pm Operator: JJL
Sample : T6796 #2 FO CC 1.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 16:11 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

gg 10/13/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.20	3131792	91.398 ug/ml
Spiked Amount 100.000 Range 60 - 140 Recovery = 91.40%			
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	29841188	1.095 mg/ml
3) HM TPH HIGH (>1.0)	14.90	29841188	1.097 mg/ml

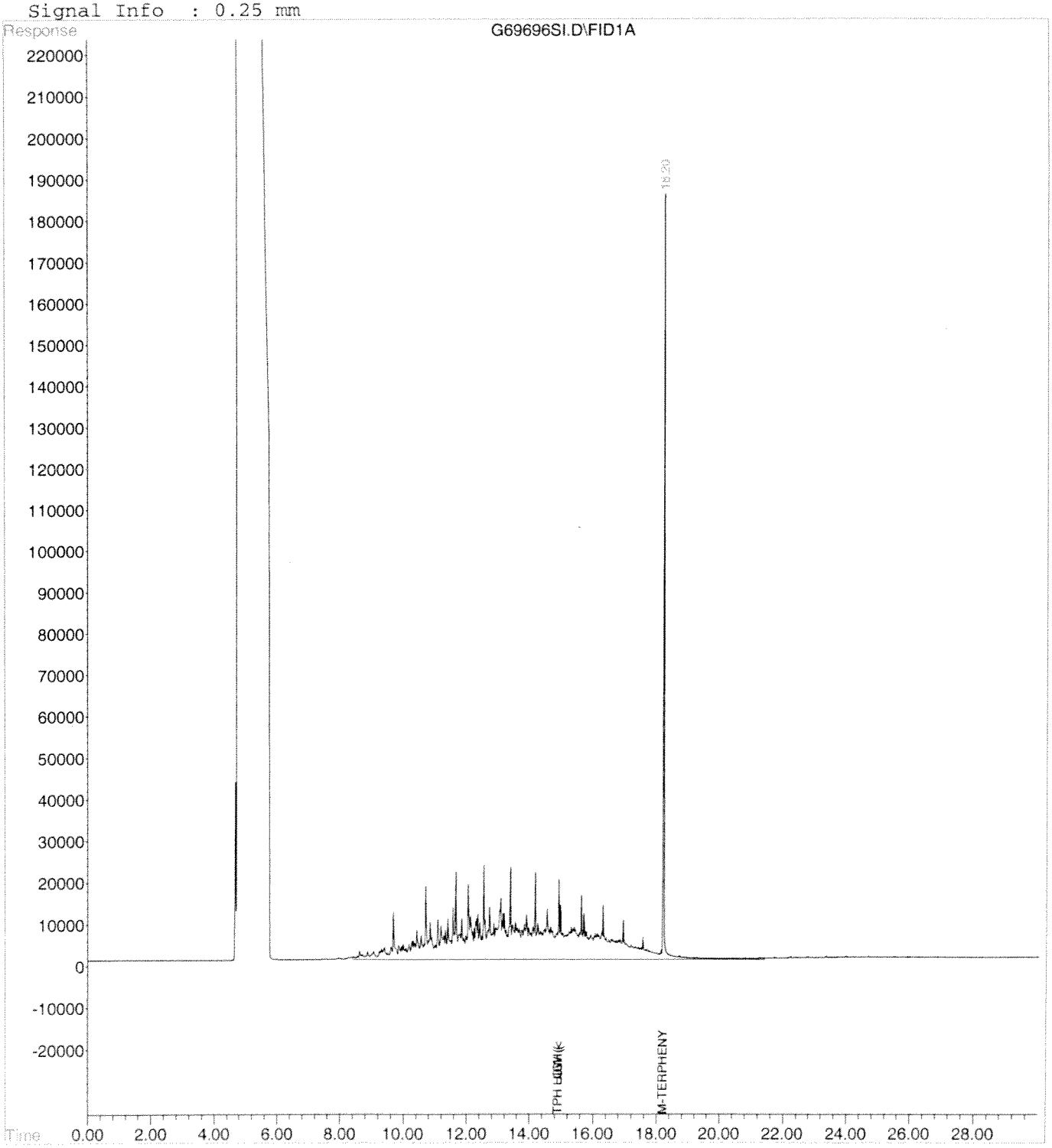
JL 10-14-10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\100710-G\G69696SI.D Vial: 11
Acq On : 7 Oct 2010 8:13 pm Operator: JJL
Sample : T6796 #2 FO CC 1.0 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 13 16:11 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



TOTAL PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: T6798 #2 FO 0.5 MG/ML
Data File ID: G69750.D

COMPOUND	STANDARD RESULT (mg/mL)	% Recovery	#
M-TERPHENYL	50.7	101	
TPH LOW (<1.0)	0.511	102	
TPH HIGH (>1.0)	0.513	103	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

TPH FORM 7

Data File : D:\TPH\101810-G\G69750.D Vial: 2
Acq On : 18 Oct 2010 10:55 am Operator: JJL
Sample : T6798 #2 FO 0.5 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:07 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

88 10/19/10

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.20	1738429	50.734 ug/mlm
Spiked Amount 100.000 Range 60 - 140 Recovery = 50.73%#			
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	13933267	0.511 mg/ml
3) HM TPH HIGH (>1.0)	14.90	13939859	0.513 mg/ml

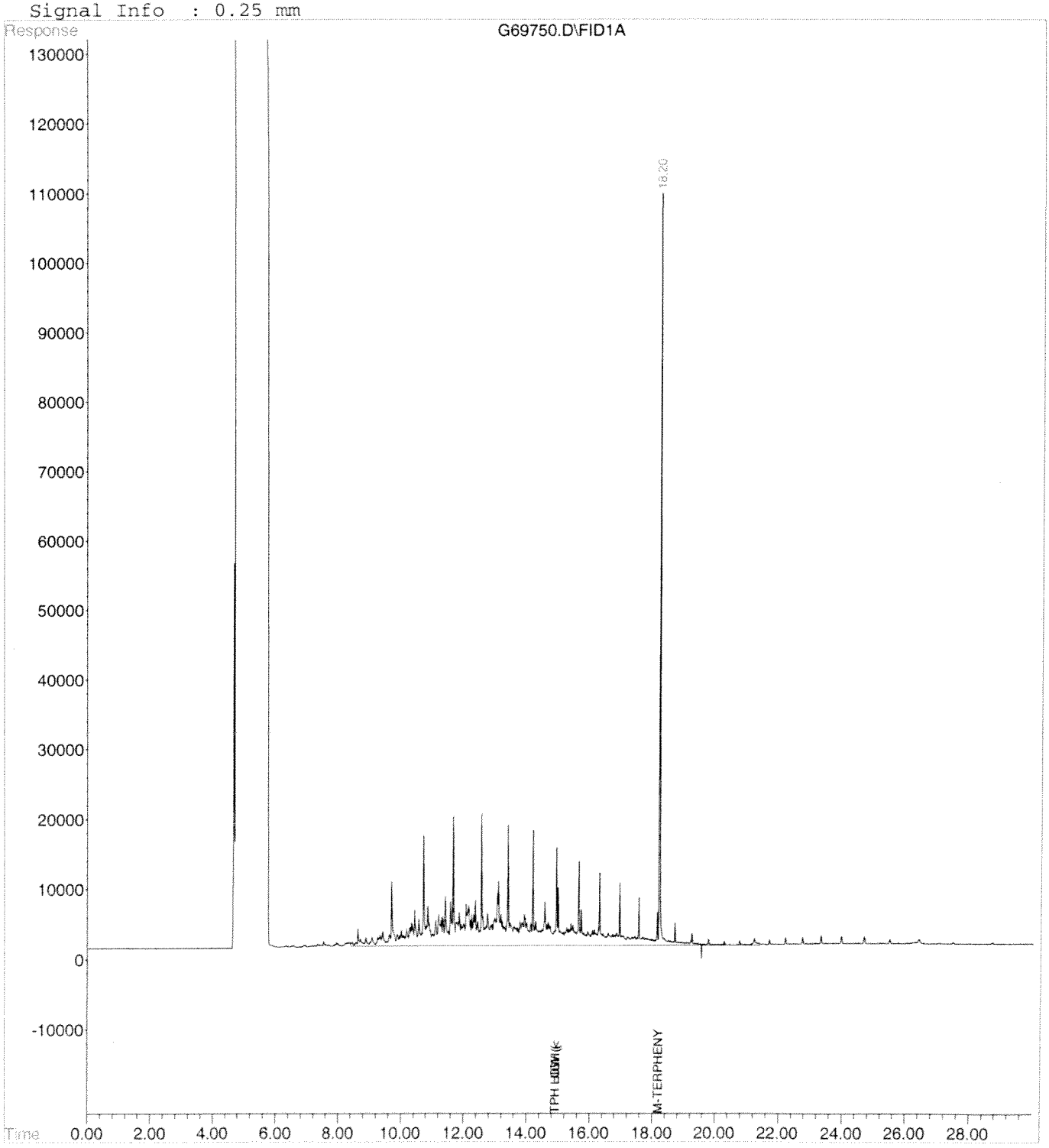
JL 10-19-10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\101810-G\G69750.D Vial: 2
Acq On : 18 Oct 2010 10:55 am Operator: JJL
Sample : T6798 #2 FO 0.5 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:07 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

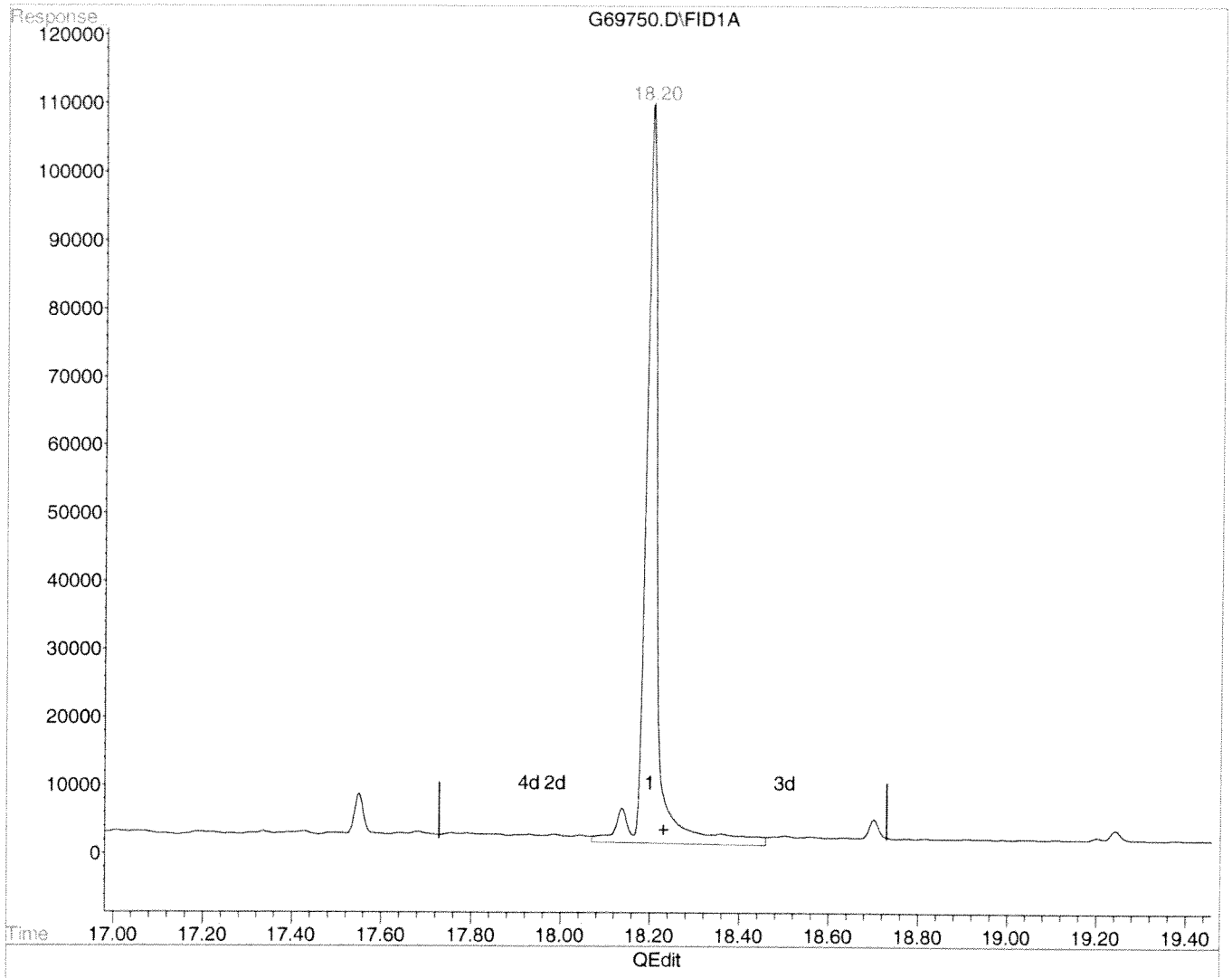


Data File : D:\TPH\101810-G\G69750.D
Acq On : 18 Oct 2010 10:55 am
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:06 2010 Quant Results File: T100710A.RES

Vial: 2
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

gs 10/19/10 *E.A.



JJL 10.19.10

(1) M-TERPHENYL (S)

18.20min 60.062ug/ml

response 2058049

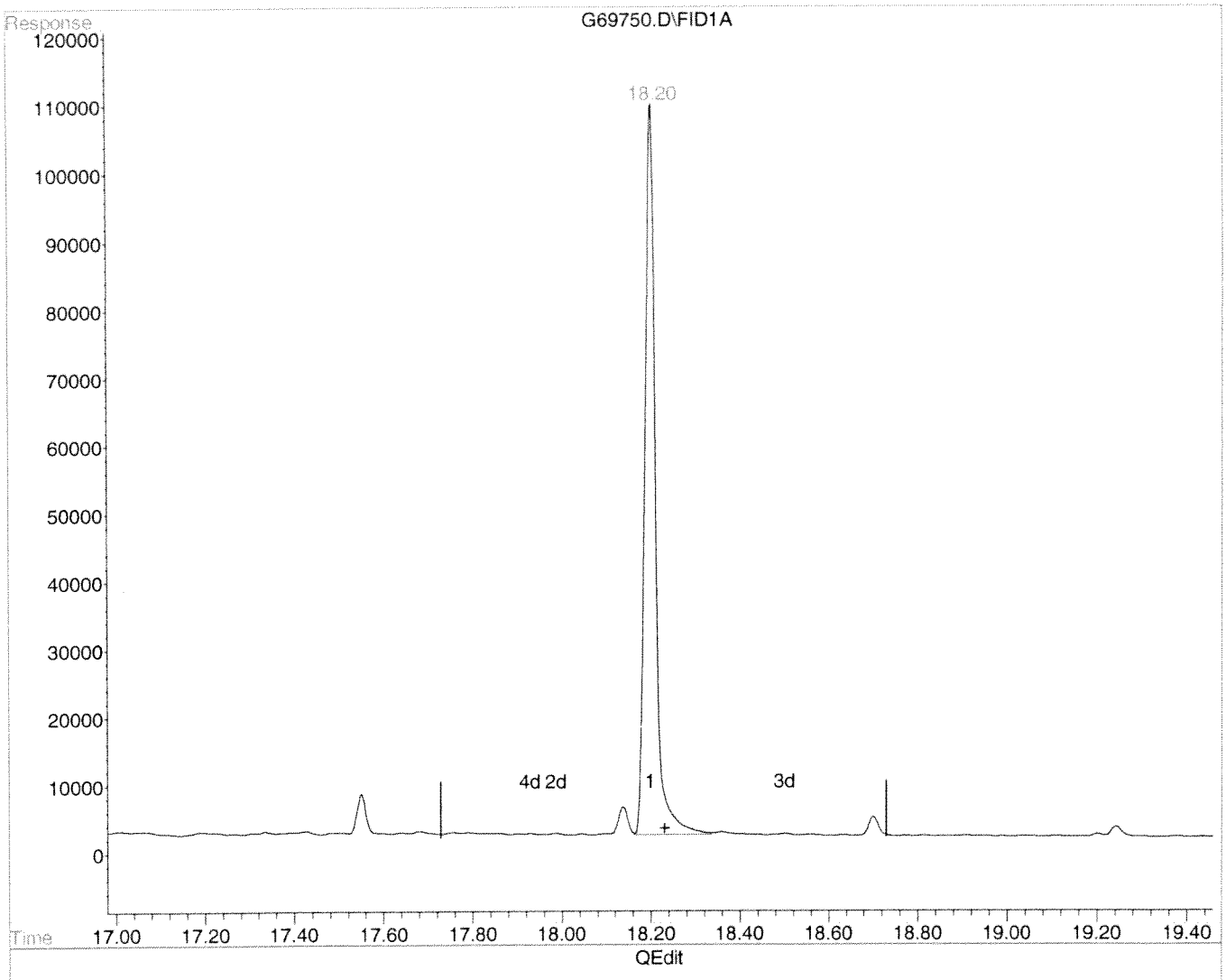
(+) = Expected Retention Time
G69750.D T100710A.M Tue Oct 19 11:06:23 2010

Data File : D:\TPH\101810-G\G69750.D
Acq On : 18 Oct 2010 10:55 am
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:06 2010 Quant Results File: T100710A.RES

Vial: 2
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

88 10/19/10



(1) M-TERPHENYL (S)

18.20min 50.734ug/ml m

response 1738429

JJL 10/19/10

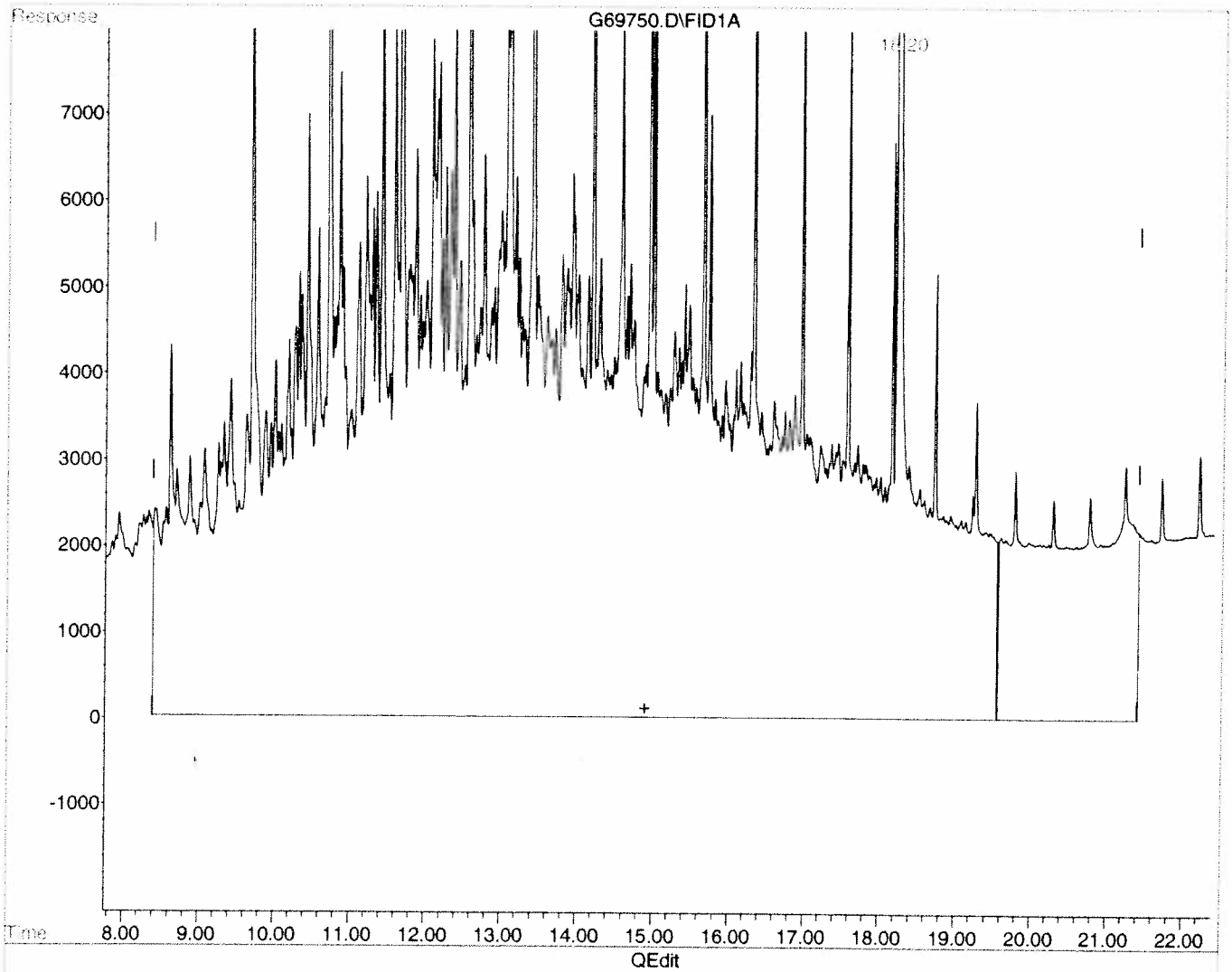
(+) = Expected Retention Time
G69750.D T100710A.M Tue Oct 19 11:06:33 2010

Data File : D:\TPH\101810-G\G69750.D
Acq On : 18 Oct 2010 10:55 am
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:06 2010 Quant Results File: T100710A.RES

Vial: 2
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

gg 10/19/10
Baseline



(2) TPH LOW (<1.0) (HM)

14.90min 1.071mg/ml m

response 29180887

10-19-10

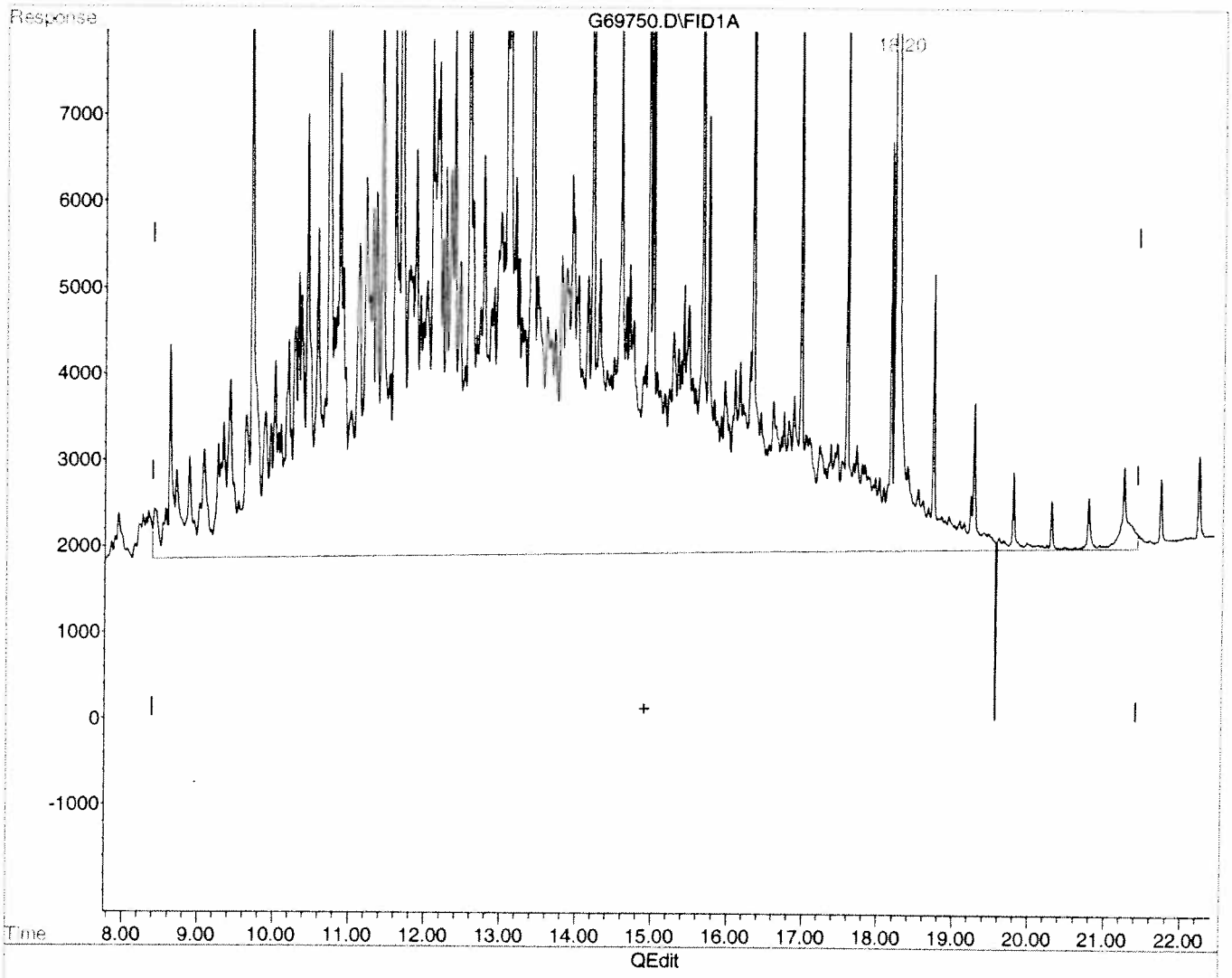
(+) = Expected Retention Time
G69750.D T100710A.M Tue Oct 19 11:06:45 2010

Data File : D:\TPH\101810-G\G69750.D
Acq On : 18 Oct 2010 10:55 am
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:06 2010 Quant Results File: T100710A.RES

Vial: 2
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

gg 10/19/10



(2) TPH LOW (<1.0) (HM)

14.90min 0.511mg/ml m

response 13933267

10/19/10

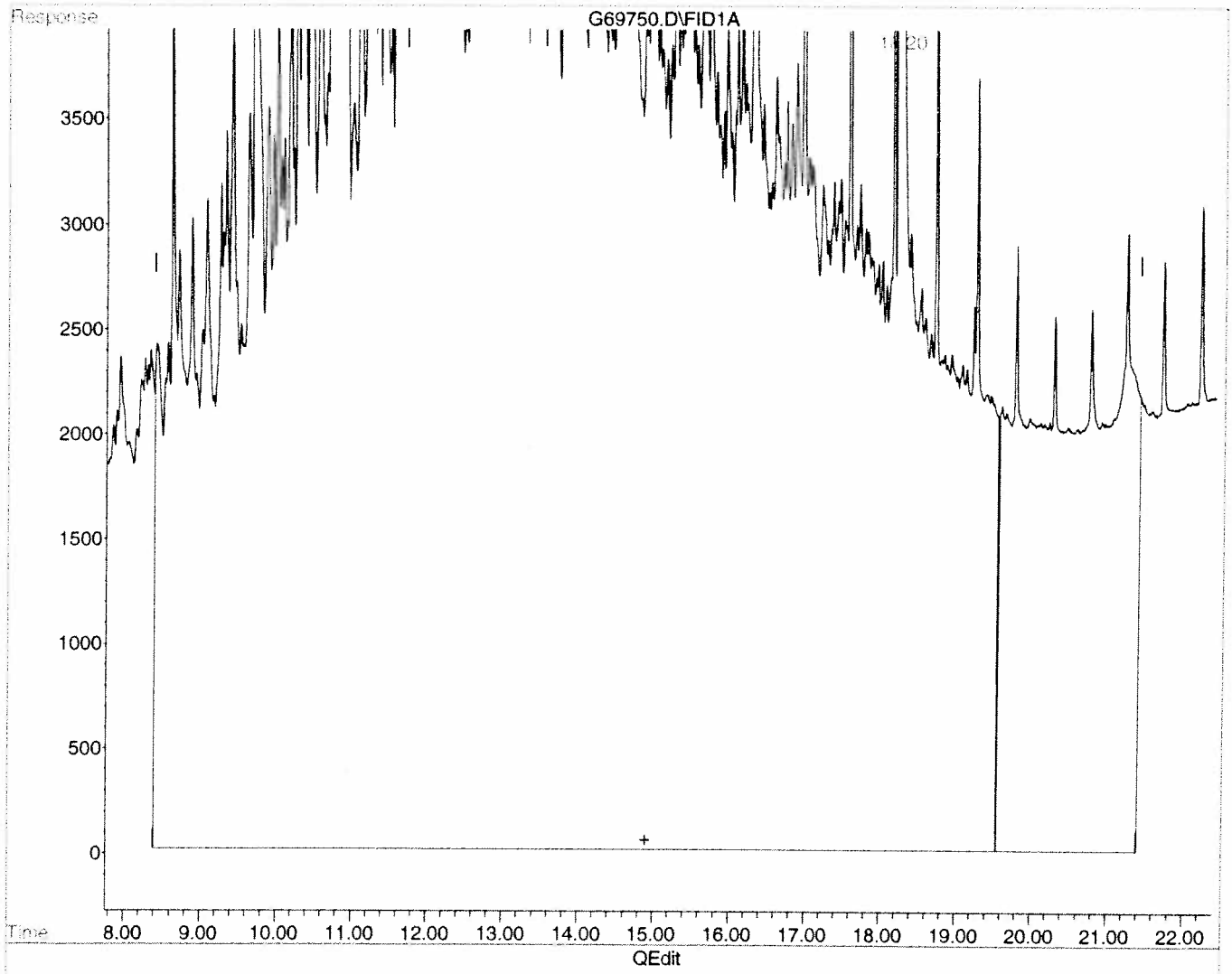
(+) = Expected Retention Time
G69750.D T100710A.M Tue Oct 19 11:07:08 2010

Data File : D:\TPH\101810-G\G69750.D
Acq On : 18 Oct 2010 10:55 am
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:06 2010 Quant Results File: T100710A.RES

Vial: 2
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

gg 10/19/10 Baseline



(3) TPH HIGH (>1.0) (HM)

14.90min 1.073mg/ml m

response 29180887

SR 10-19-10

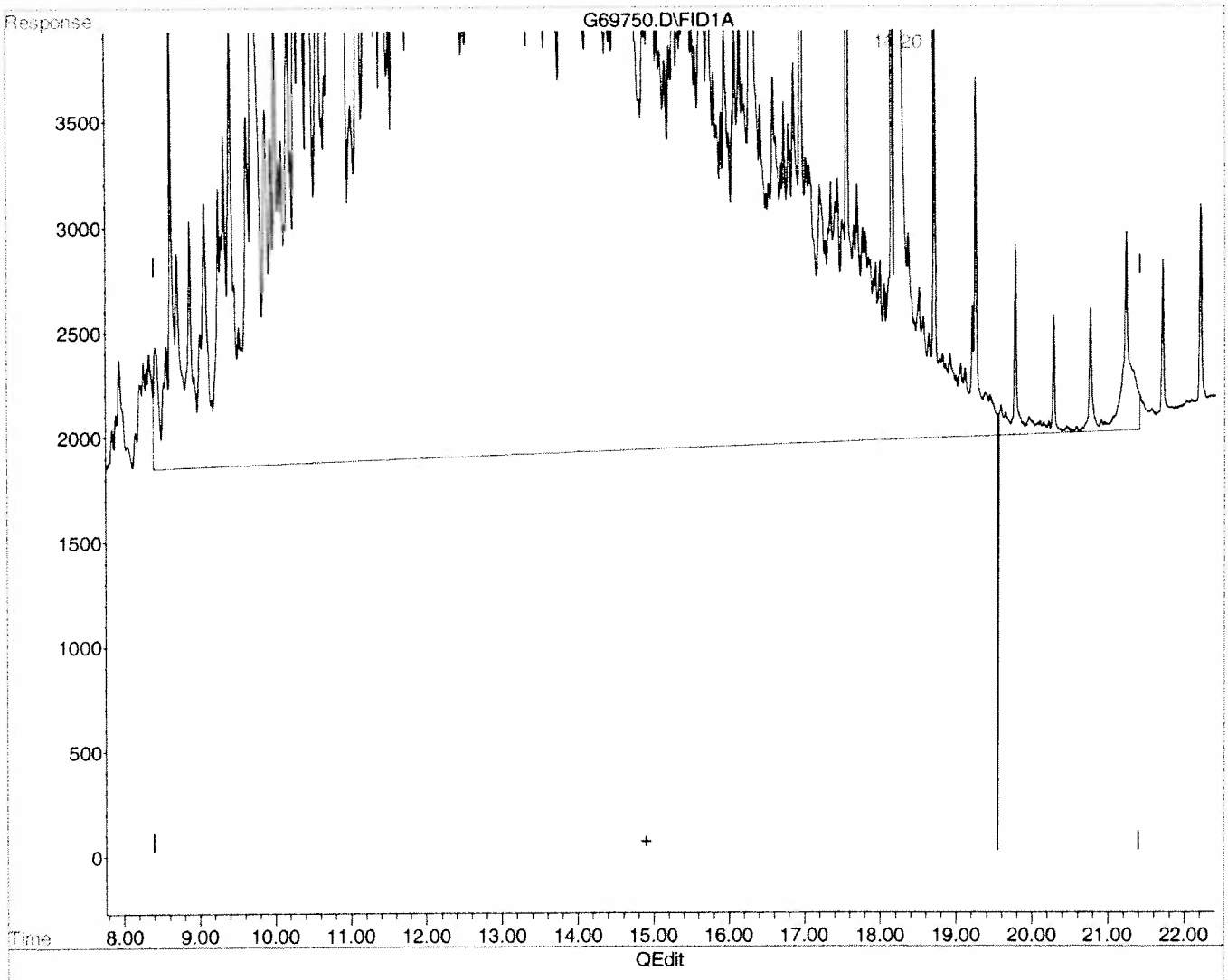
(+) = Expected Retention Time
G69750.D T100710A.M Tue Oct 19 11:07:21 2010

Data File : D:\TPH\101810-G\G69750.D
Acq On : 18 Oct 2010 10:55 am
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:06 2010 Quant Results File: T100710A.RES

Vial: 2
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

10/19/10



(3) TPH HIGH (>1.0) (HM)

14.90min 0.513mg/ml m

response 13939859

10.19.10

(+) = Expected Retention Time
G69750.D T100710A.M Tue Oct 19 11:07:41 2010

TOTAL PETROLEUM HYDROCARBONS
CONTINUING CALIBRATION

Instrument ID: G
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Standard ID: T6798 #2 FO 0.5 MG/ML
Data File ID: G69764SC.D

COMPOUND	STANDARD RESULT (mg/mL)	% Recovery	#
M-TERPHENYL	57.6	115	
TPH LOW (<1.0)	0.568	114	
TPH HIGH (>1.0)	0.567	113	

Lower Limit	Upper Limit
85	115

Column to be used to flag recovery values outside of QC limits
* Values outside QC limits

Comments: _____

TPH FORM 7

Data File : D:\TPH\101810-G\G69764SC.D
Acq On : 18 Oct 2010 4:01 pm
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:16 2010 Quant Results File: T100710A.RES

Vial: 2
Operator: JJL
Inst : INST G
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Initial Calibration
DataAcq Meth : TPHDUAL3.M

gg 10/19/10

Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S M-TERPHENYL	18.17	1973782	57.603 ug/mlm
Spiked Amount 100.000 Range 60 - 140 Recovery = 57.60%#			
Target Compounds			
2) HM TPH LOW (<1.0)	14.90	15488109	0.568 mg/ml
3) HM TPH HIGH (>1.0)	14.90	15432288	0.567 mg/ml

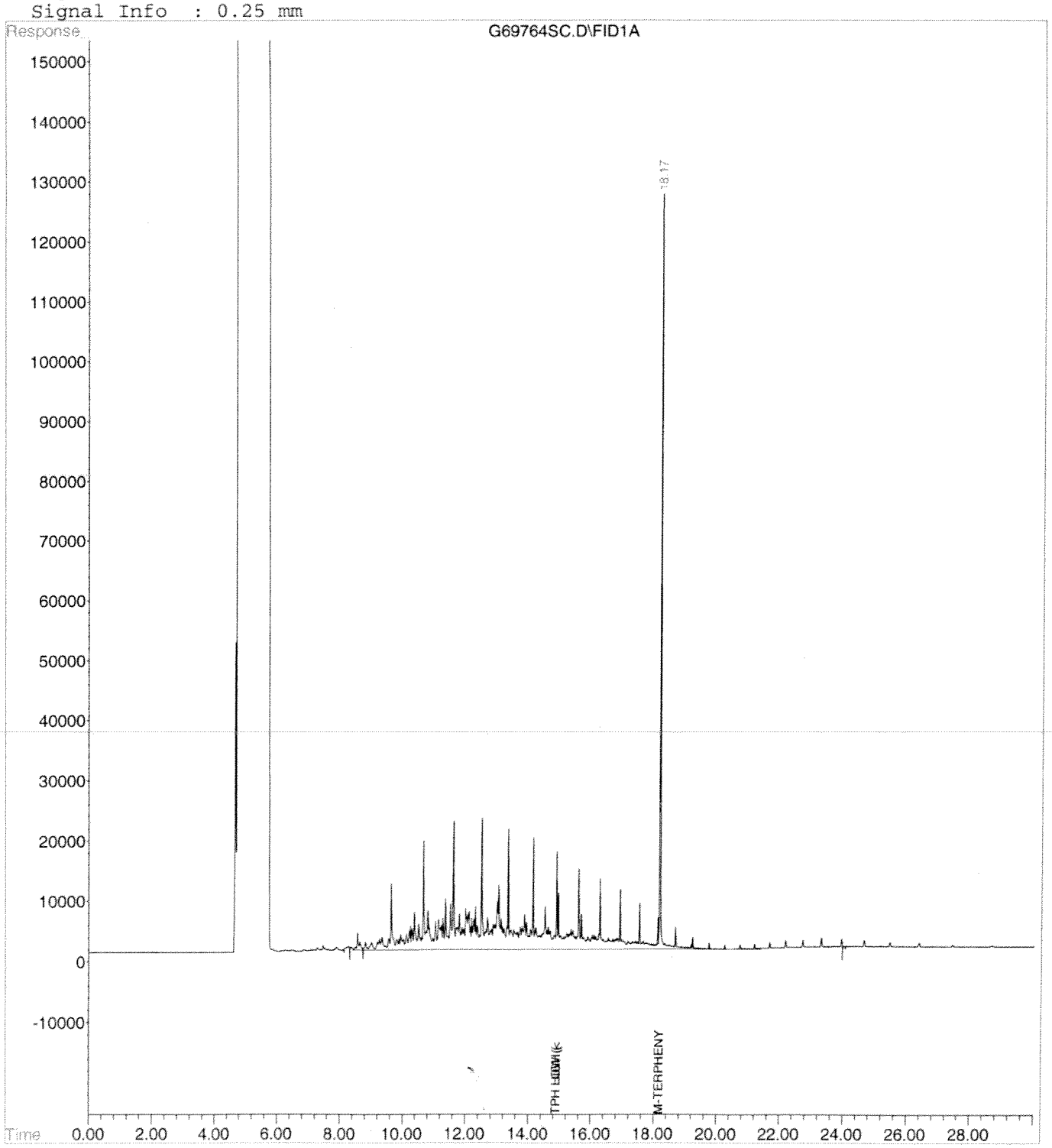
JJL 10-19-10

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : D:\TPH\101810-G\G69764SC.D Vial: 2
Acq On : 18 Oct 2010 4:01 pm Operator: JJL
Sample : T6798 #2 FO 0.5 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:16 2010 Quant Results File: T100710A.RES

Quant Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration
DataAcq Meth : TPHDUAL3.M

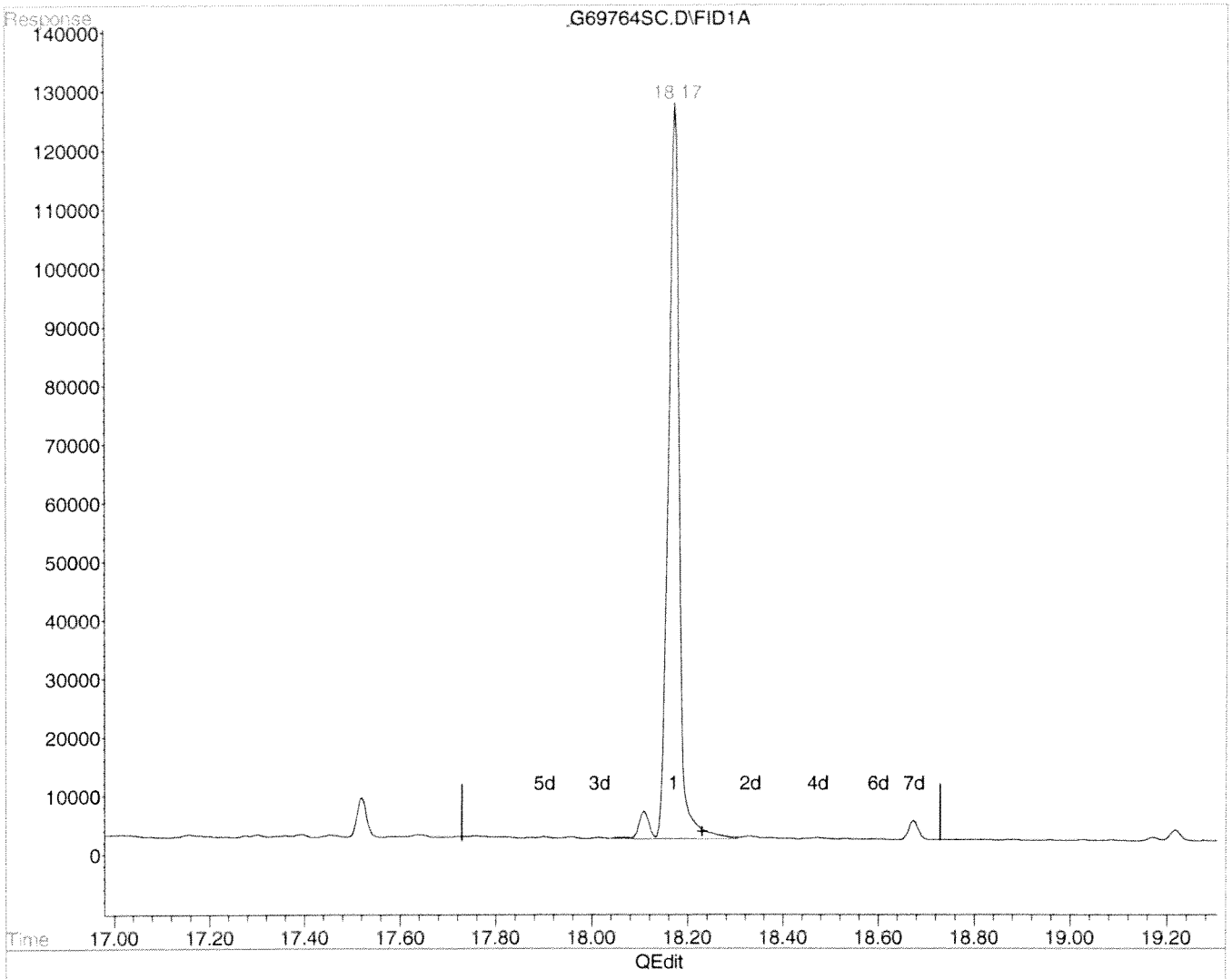
Volume Inj. : 1ul
Signal Phase : Rtx-5MS
Signal Info : 0.25 mm



Data File : D:\TPH\101810-G\G69764SC.D Vial: 2
Acq On : 18 Oct 2010 4:01 pm Operator: JJL
Sample : T6798 #2 FO 0.5 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:15 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

JJL 10/19/10 ★ E.A.



(1) M-TERPHENYL (S)

18.17min 60.118ug/ml

response 2059961

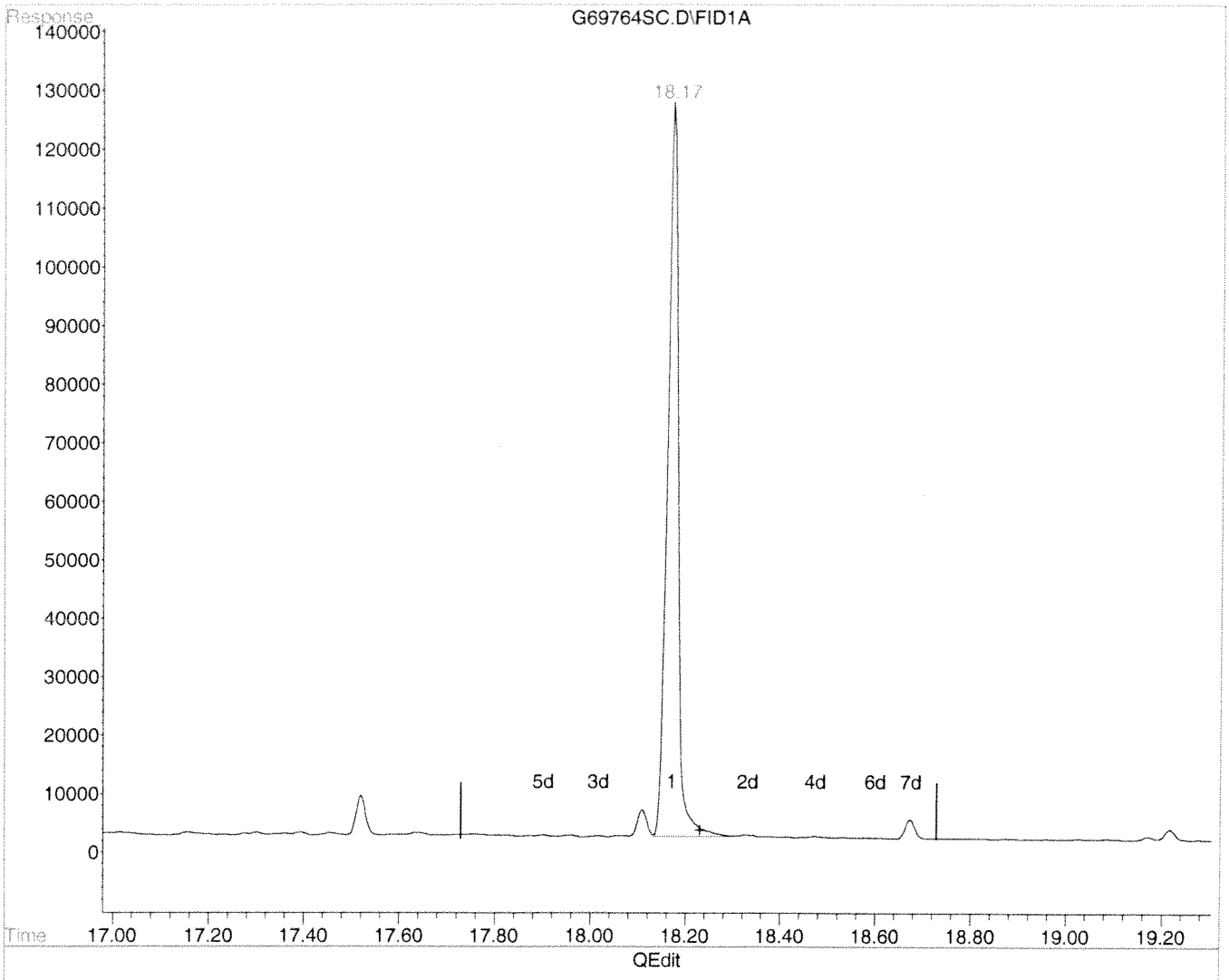
JJL 10-19-10

(+) = Expected Retention Time
G69764SC.D T100710A.M Tue Oct 19 11:15:22 2010

Data File : D:\TPH\101810-G\G69764SC.D Vial: 2
Acq On : 18 Oct 2010 4:01 pm Operator: JJL
Sample : T6798 #2 FO 0.5 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:15 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

JJL 10/19/10



(1) M-TERPHENYL (S)

18.17min 57.603ug/ml m

response 1973782

(+) = Expected Retention Time
G69764SC.D T100710A.M Tue Oct 19 11:15:35 2010

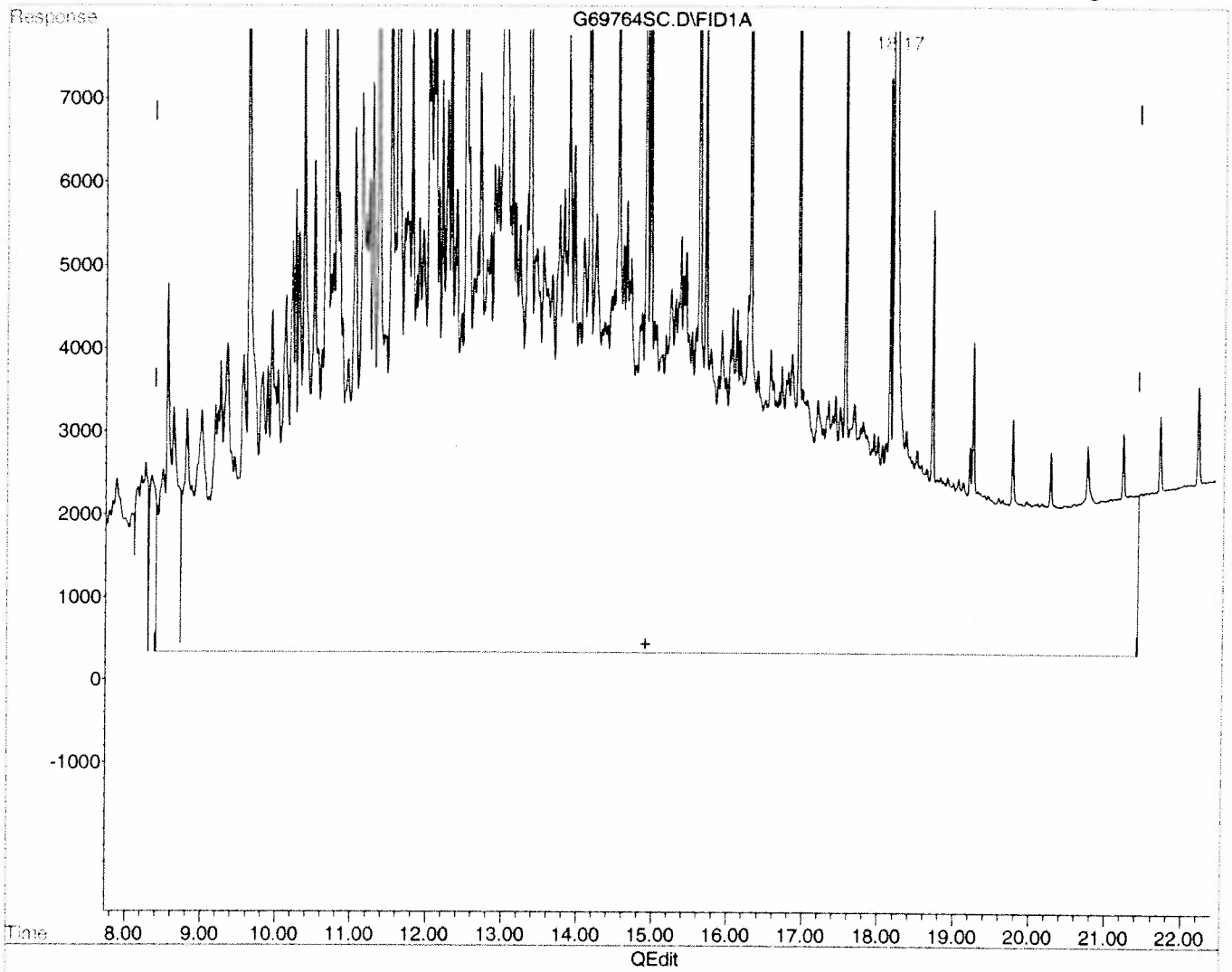
JJL 10.19.10

Data File : D:\TPH\101810-G\G69764SC.D
Acq On : 18 Oct 2010 4:01 pm
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:15 2010 Quant Results File: T100710A.RES

Vial: 2
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

JJL 10/19/10
Baseline



(2) TPH LOW (<1.0) (HM)

14.90min 1.058mg/ml m

response 28830604

JJL 10.19.10

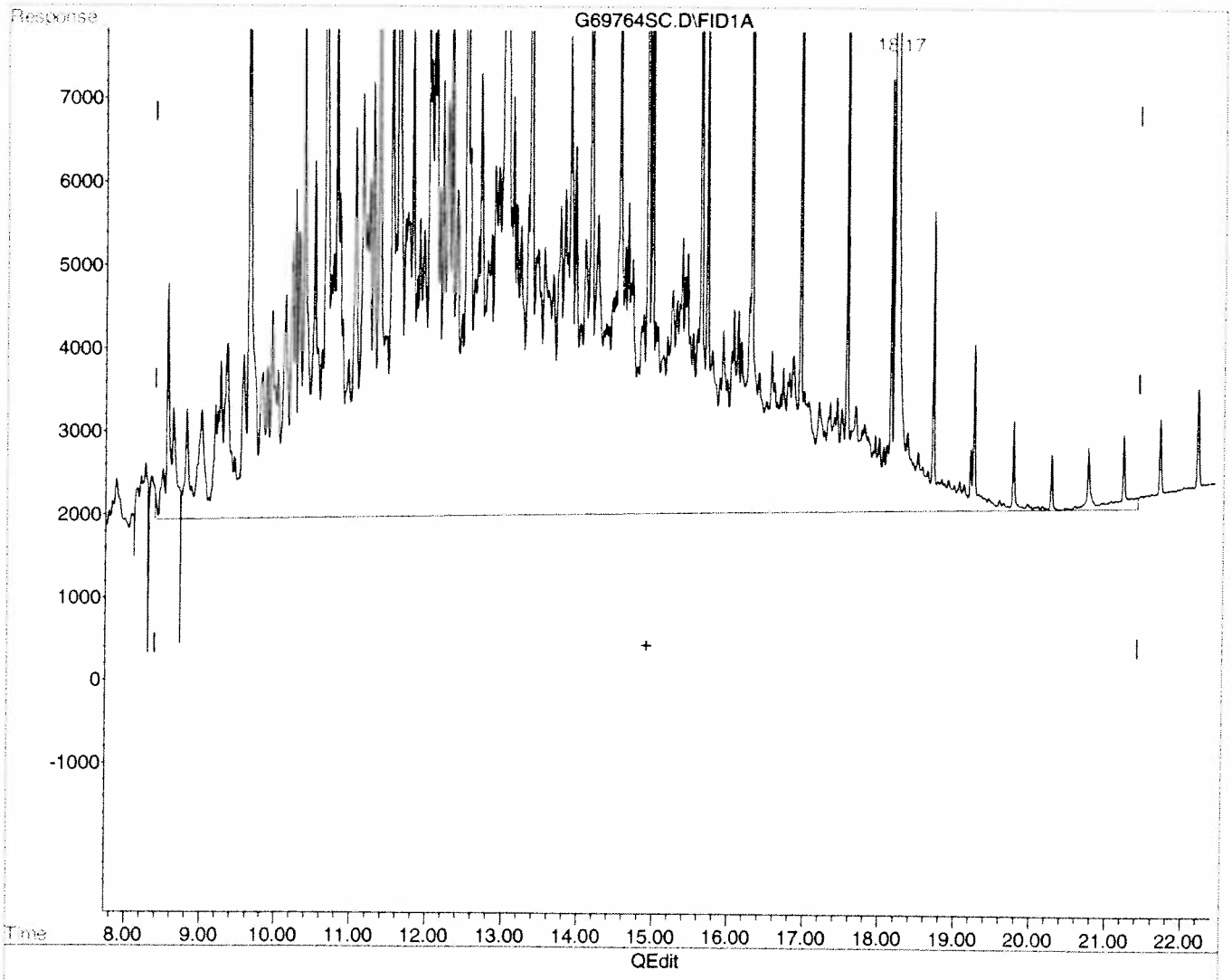
(+) = Expected Retention Time
G69764SC.D T100710A.M Tue Oct 19 11:15:41 2010

Data File : D:\TPH\101810-G\G69764SC.D
Acq On : 18 Oct 2010 4:01 pm
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:15 2010 Quant Results File: T100710A.RES

Vial: 2
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

JJL 10/19/10



(2) TPH LOW (<1.0) (HM)

14.90min 0.568mg/ml m

response 15488109

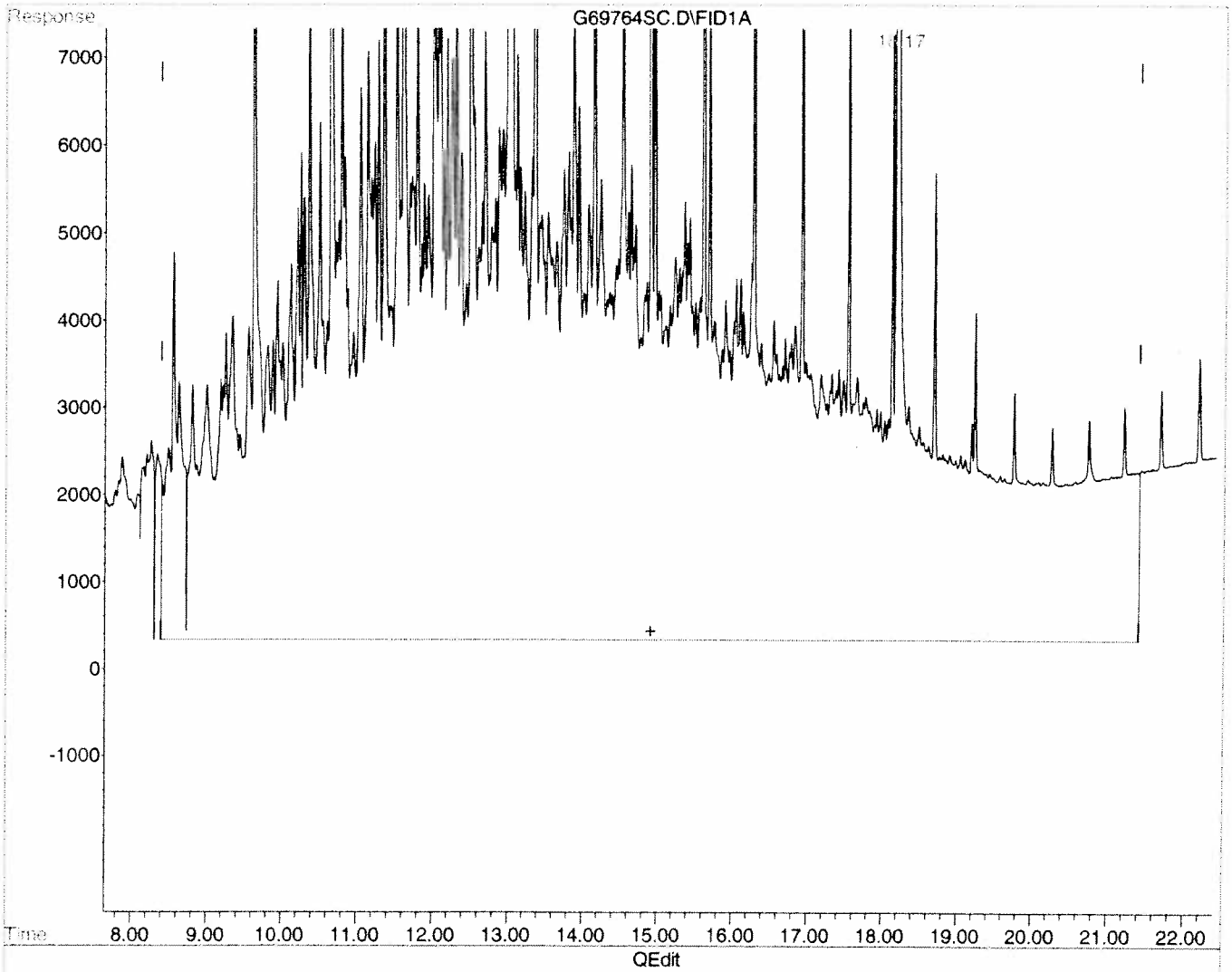
JJL 10.19.10

(+) = Expected Retention Time
G69764SC.D T100710A.M Tue Oct 19 11:16:05 2010

Data File : D:\TPH\101810-G\G69764SC.D Vial: 2
Acq On : 18 Oct 2010 4:01 pm Operator: JJL
Sample : T6798 #2 FO 0.5 MG/ML Inst : INST G
Misc : Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:15 2010 Quant Results File: T100710A.RES

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

10/19/10
Baseline



(3) TPH HIGH (>1.0) (HM)

14.90min 1.060mg/ml m

response 28830604

JJL
10-19-1

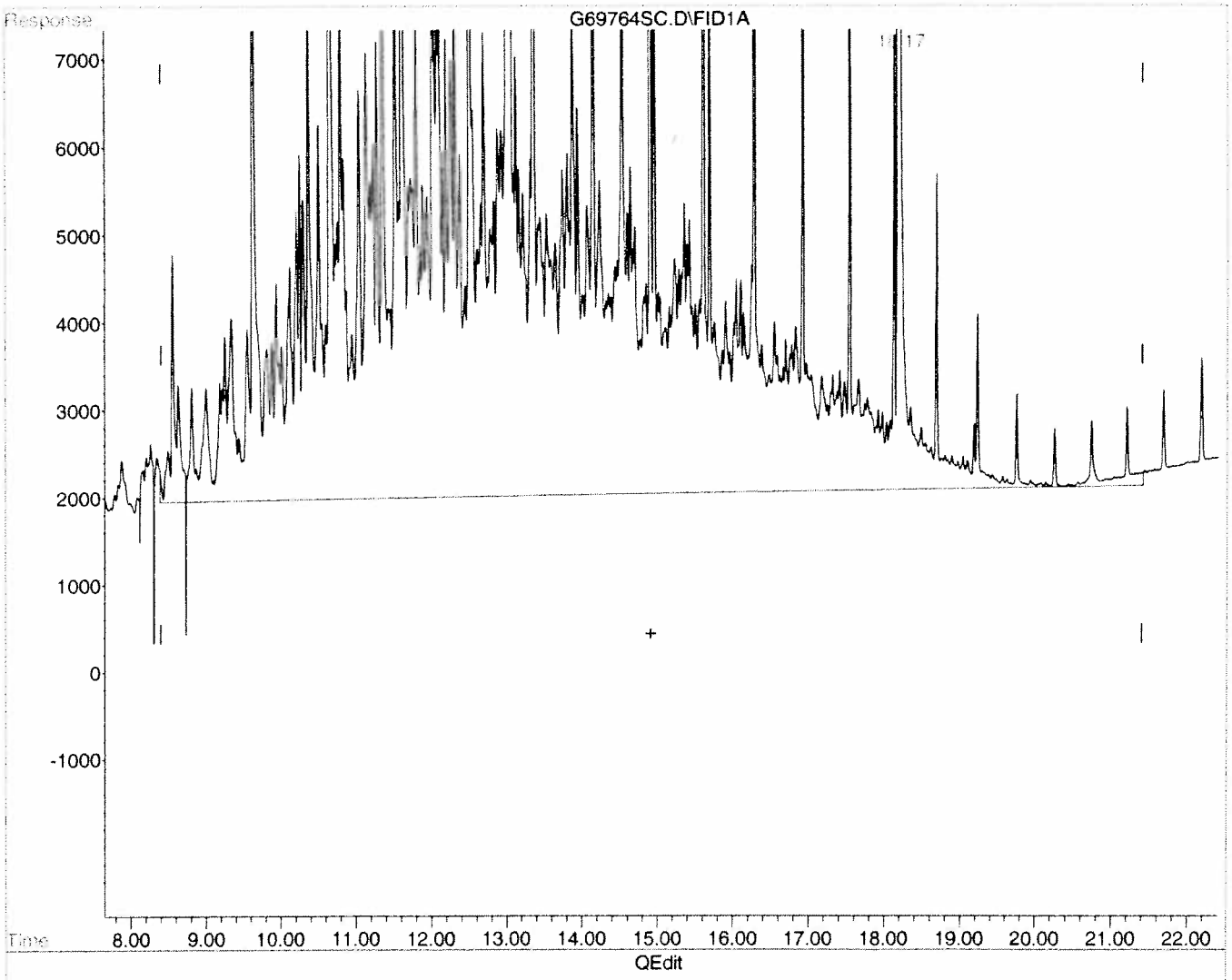
(+) = Expected Retention Time
G69764SC.D T100710A.M Tue Oct 19 11:16:10 2010

Data File : D:\TPH\101810-G\G69764SC.D
Acq On : 18 Oct 2010 4:01 pm
Sample : T6798 #2 FO 0.5 MG/ML
Misc :
IntFile : AUTOINT1.E
Quant Time: Oct 19 11:15 2010 Quant Results File: T100710A.RES

Vial: 2
Operator: JJL
Inst : INST G
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\T100710A.M (Chemstation Integrator)
Title : DRO
Last Update : Wed Oct 13 16:10:37 2010
Response via : Multiple Level Calibration

gs 10/19/10



(3) TPH HIGH (>1.0) (HM)

14.90min 0.567mg/ml m

response 15432288

JJL
10-19-10

(+) = Expected Retention Time
G69764SC.D T100710A.M Tue Oct 19 11:16:27 2010

INORGANIC RESULTS

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Mr. Brian Corbett
Tetra Tech EC, Inc.
160 Federal Street, 6th Floor
Boston MA 02110

October 19, 2010

CLIENT SAMPLE ID		SAMPLE DATA	
Project Name:	NAS SOWEY	**Lab Sample ID:**	68000-2
Project Number:	106-2282	**Matrix:**	Aqueous
Client Sample ID:	WC-B82-GP-01	**Percent Solid**	N/A
		Collection Date:	10/08/10 13:45
		Lab Receipt Date:	10/08/10

Parameter	Result	Date Analyzed	Detection Limit	Units
pH	**7.9**	10/08/10 20:22	NA	pH units
Flashpoint	>165	10/14/10	NA	° Fahrenheit
Sulfide Reactivity	U	10/14/10	10	mg/L
Cyanide Reactivity	U	10/14/10	10	mg/L

U = Undetected NA = Not Applicable <=Less than >=Greater than

METHODOLOGY: pH: Sample analyzed according to "EPA SW 846 Method 9040 pH in water"
FlashPoint: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, EPA SW-846, Method 1010."
Reacitivty: As of July 2005 EPA has withdrawn these methods from Test Methods for Evaluating Solid Waste ,SW-856. Sulfide reactivity analysis by Modified Method 7.3.4.2. and Cyanide reactivity analysis Cyanide by Modified Method 7.3.3.2."

Note: In July 2005 EPA withdrew the above reactivity methods from "Test Methods for Evaluating Solid Waste, SW-846". These methods are being analyzed to satisfy requirements for permit-holders only.

COMMENTS:

Authorized signature

analytics environmental laboratory LLC

EPA Method 1010 (FLASHPOINT)

Alcohol Therm. #: AEL012010-28
Calibration Date: 1.20.10
Correction Factor (CF): 0

Date: 10.14.10
Time: 11:25am

AEL Sample#	Analyst /witness	Matrix	Range (°F)	Flashpoint °F	Corrected Flash Point °F	Avg. Flash**	Ignitability#
p-Xylene*	JW	STD	68- 80	80	80	NR	NR
Blank	JW	Si Sand	68-172	>172	>172	NR	NR
68000-2	KE	Aqueous	68-172	>172	>172	NR	NR

10/14/10

*Criteria for flashpoint of p-Xylene = 79°F to 83°F (81°F +/- 2°F) Standard passes Yes (yes/no)

p-Xylene standard is required at the beginning of analysis and after 10 samples of analysis

Duplicate analysis must agree within 4 °F. Report average of the two corrected results.

NR= Not required.

	Lot #	Exp: Date
Silica Sand	FK1203SP	1.13.15
p-Xylene	E0410	8.6.15

Balance ID: —
Flash Apparatus ID: FLASH-1

✓SC 10/14/10
✓EB 10.15.10

Sample "Does ignite= Fails"

Sample "Does not ignite= Pass"

EPA 600, Method 150.1
SM 4500B
SW-846 Method 9045C
SW-846 Method 9040B

DATE 10/8/10

	Buffers			Acceptable Limits 92-102	Acceptable Limits 18-25	
	4.00	7.00	10.00	Slope	Temp deg C	Analyst
pH Meter Calibration	—	7.00	10.01	95.4	19.5	SC

Manufacturer Lot #'s/Exp Date:

4.0 Buffer	—
7.0 Buffer	1912 / x 9/14
10.0 Buffer	1450 / x 3/14
7.0 Second Source/ QC Buffer	0008-26 / x 1.16.12

Note: If sample contains water -Table 1 above must be completed for the sample

	AEL Sample #	Analyst	Matrix	If Solid Matrix Wt (g)	If Solid Matrix H20 (ml)	pH / Time	Temp *C	pH Dup / Time *	Temp dup *C	Reporting Ave. pH
1	QC Buffer Check 7.0	SC	Std.	—	—	7.02/817 pm	19	7.00 /817 pm	19	7.01
2										
3	68000-2	SC	AQ.	—	—	~~8.44~~ 786 /821 pm	18	7.86 /822 pm	18	786
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

SC 10/8/10

SC 10/8/10
AE 10 12.10

Notes - pH must be taken at ambient temperature
- QC buffer check must be +/- .05 pH units.
* Duplicate pH measurements must be +/- .10 pH units.

Temperature must be between 18-25 C

Stir/hot plate ID: N/A

pH Meter ID: Orion 230A
pH probe ID: 071-12329

Alcohol Therm. #: Ae10120 10-5
Calibration Date: 1.20.10
Correction Factor (CF): 0

Analytics environmental laboratory LLC

Cyanide/Sulfide Reactivity

CONC	Lot#
10ppm H_2S	M8136
10ppm HCN	M8137
40ppm H_2S	M8138
20ppm HCN	M8139

Date: 10.14.10
Initials EB

H2S

AEL Sample#	Matrix	ml/g	mL 0.005 M H2SO4	Std#	N2 Flow	Start time/Stop time	Tube Rdg.	Final pH	DF
M8136	AQ	10mL	250	M8135	60ml/min	8:05AM 8:35AM	200	2.5	NR
M8138						8:55AM 9:25AM	1700	2.5	NR
Blank						9:38AM 10:09AM	ND	2.5	NR
68020-1	Soil	10.05g				10:23AM 10:53AM	ND	2.5	NR
-2		10.59g		M8140		11:24AM 11:54AM	ND	2.5	NR
-3		10.14g				12:11PM 12:41PM	ND	2.5	NR
68000-2	AQ	10mL				12:53PM 1:23PM	ND	2.5	NR
				10/14/W					

HCN

AEL Sample#	Matrix	ml/g	mL 0.005 M H2SO4	Std#	N2 Flow	Start time/Stop time	Tube Rdg.	Final pH	DF
M8137	AQ	10mL	250	M8135	60ml/min	8:05AM 8:35AM	10	2.5	NR
M8139						8:55AM 9:25AM	25	2.5	NR
Blank						9:38AM 10:09AM	ND	2.5	NR
68020-1	Soil	10.14g				10:23AM 10:53AM	ND	2.5	NR
-2		10.40g		M8140		11:24AM 11:54AM	ND	2.5	NR
-3		10.15g				12:11PM 12:41PM	ND	2.5	NR
68000-2	~~10mL~~ AQ EB 10.14.10	10mL				12:53PM 1:23PM	ND	2.5	NR
				10/14/W					

Dilution Factor (DF)= Nominal Wt or Volume / Actual Weight or Volume

Balance ID: SCL-1

Stir Plate ID: STR-1 / STR-2

VKE 10.14.10
10/14/W

Rev 1 11/23/09

SUBCONTRACTED REPORTS
&
NARRATIVES

ANALYTICAL REPORT

Job Number: 680-62145-1

SDG Number: 68000

Job Description: 106-2282 NAS SOWEY

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
10/28/2010 8:05 AM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
10/28/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

TestAmerica Laboratories, Inc.
TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com

Table of Contents

Cover Title Page 1

Data Summaries 4

- Report Narrative 4
- Sample Summary 6
- Executive Summary 7
- Method Summary 8
- Method / Analyst Summary 9
- Sample Datasheets 10
- QC Data Summary 13
- Data Qualifiers 28
- QC Association Summary 29
- Lab Chronicle 31

Inorganic Sample Data 35

- Metals Data 35
  - Met Cover Page 36
  - Met Sample Data 37
  - Met QC Data 39
    - Met ICV/CCV 39
    - Met CRQL 48
    - Met Blanks 51
    - Met ICSA/ICSAB 62
    - Met MS/MSD/PDS 66
    - Met LCS/LCSD 74
    - Met Serial Dilution 80
  - Met MDL 82
  - Met IECF 94

Table of Contents

Met Linear Ranges 97

Met Preparation Log 99

Met Analysis Run Log 103

Met Raw Data 116

Met Prep Data 282

General Chemistry Data 290

Gen Chem Cover Page 291

Gen Chem Sample Data 292

Gen Chem QC Data 293

Gen Chem Blanks 293

Gen Chem MS/MSD/PDS 294

Gen Chem Duplicates 296

Gen Chem LCS/LCSD 297

Gen Chem MDL 298

Gen Chem Analysis Run Log 301

Gen Chem Raw Data 303

Gen Chem Prep Data 340

Shipping and Receiving Documents 343

Client Chain of Custody 343

Job Narrative
680-62145-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
Method(s) 6010C/3010A: A non-client sample was utilized for batch MS/MSD.

Method(s) 6010C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 183386 were outside control limits for Barium, Cadmium and Silver. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010C: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 183386 was outside control limits for Cadmium, Calcium and Silver.

No other analytical or quality issues were noted.

General Chemistry
Method(s) 9060A: A non-client sample was utilized for batch MS/MSD.

No analytical or quality issues were noted.

MassDEP Analytical Protocol Certification Form

Laboratory Name: Test America Laboratories, Inc Project #: 106-2282

Project Location: South Weymouth, MA RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
680-62145-1, 680-62145-2

Matrices: Groundwater/Surface Water Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	~~Yes~~ No 10-28-10 Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	Yes No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	Yes No[1]

[1]*All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: [signature] **Position:** Project Manager

Printed Name: Abbie Yant **Date:** 10-28-10

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-62145-1	WC-B82-GTM-05	Solid	10/07/2010 1600	10/13/2010 1040
680-62145-2	WC-B82-GP-01	Water	10/08/2010 1345	10/13/2010 1040

EXECUTIVE SUMMARY - Detections

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
680-62145-1	**WC-B82-GTM-05**					
Arsenic		3.1		2.4	mg/Kg	6010C
Barium		170	J	1.2	mg/Kg	6010C
Cadmium		19	J	0.59	mg/Kg	6010C
Chromium		390	J	1.2	mg/Kg	6010C
Silver		6.7	J	1.2	mg/Kg	6010C
Lead		1100	J	1.2	mg/Kg	6010C
Mercury		0.78	B J	0.12	mg/Kg	7471B
680-62145-2	**WC-B82-GP-01**					
Barium		43		10	ug/L	6010C
Chromium		21		10	ug/L	6010C
Lead		26		10	ug/L	6010C
Total Organic Carbon		3.1		1.0	mg/L	9060A

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SAV	SW846 7471B	
Preparation, Mercury	TAL SAV		SW846 7471B
Matrix Water			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Total Metals	TAL SAV		SW846 3010A
Mercury (CVAA)	TAL SAV	SW846 7470A	
Preparation, Mercury	TAL SAV		SW846 7470A
Organic Carbon, Total (TOC)	TAL SAV	SW846 9060A	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method	Analyst	Analyst ID
SW846 6010C	Bland, Brian	BCB
SW846 7470A	Eaton, Cliff	CE
SW846 7471B	Eaton, Cliff	CE
SW846 9060A	Blackshear, Kim	KB

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Client Sample ID: **WC-B82-GTM-05**

Lab Sample ID: 680-62145-1
Client Matrix: Solid
% Moisture: 18.3

Date Sampled: 10/07/2010 1600
Date Received: 10/13/2010 1040

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-183386		Instrument ID:	ICPD
Preparation:	3050B	Prep Batch: 680-183043		Lab File ID:	101810.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	10/19/2010 0518			Final Weight/Volume:	100 mL
Date Prepared:	10/15/2010 0947				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		3.1		0.70	2.4
Barium		170	J	0.36	1.2
Cadmium		19	J	0.12	0.59
Chromium		390	J	0.59	1.2
Silver		6.7	J	0.11	1.2
Lead		1100	J	0.63	1.2
Selenium		1.2	U	1.2	3.0

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method:	7471B	Analysis Batch: 680-183477		Instrument ID:	LEEMAN1
Preparation:	7471B	Prep Batch: 680-183262		Lab File ID:	b101910.chr
Dilution:	5.0			Initial Weight/Volume:	0.51 g
Date Analyzed:	10/20/2010 0830			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2010 1618				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.78	B J	0.049	0.12

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Client Sample ID: **WC-B82-GP-01**

Lab Sample ID: 680-62145-2
Client Matrix: Water

Date Sampled: 10/08/2010 1345
Date Received: 10/13/2010 1040

6010C Metals (ICP)

Method:	6010C	Analysis Batch: 680-183386		Instrument ID:	ICPD
Preparation:	3010A	Prep Batch: 680-183096		Lab File ID:	101810.chr
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/19/2010 0124			Final Weight/Volume:	50 mL
Date Prepared:	10/15/2010 1340				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	4.6	U	4.6	20
Barium	43		2.3	10
Cadmium	2.0	U	2.0	5.0
Chromium	21		1.2	10
Silver	0.89	U	0.89	10
Lead	26		4.0	10
Selenium	6.4	U	6.4	20

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 680-182968		Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-182934		Lab File ID:	b101410.chr
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/14/2010 1821			Final Weight/Volume:	50 mL
Date Prepared:	10/14/2010 1155				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.091	U	0.091	0.20

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

General Chemistry

Client Sample ID: **WC-B82-GP-01**

Lab Sample ID: 680-62145-2
Client Matrix: Water

Date Sampled: 10/08/2010 1345
Date Received: 10/13/2010 1040

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	3.1		mg/L	0.50	1.0	1.0	9060A

Analysis Batch: 680-183618 Date Analyzed: 10/20/2010 1241

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method Blank - Batch: 680-183043

Method: 6010C
Preparation: 3050B

Lab Sample ID: MB 680-183043/13-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/19/2010 1315
Date Prepared: 10/15/2010 0947

Analysis Batch: 680-183386
Prep Batch: 680-183043
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 101810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	0.59	U	0.59	2.0
Barium	0.30	U	0.30	1.0
Cadmium	0.10	U	0.10	0.50
Chromium	0.50	U	0.50	1.0
Silver	0.096	U	0.096	1.0
Lead	0.53	U	0.53	1.0
Selenium	1.0	U	1.0	2.5

Lab Control Sample - Batch: 680-183043

Method: 6010C
Preparation: 3050B

Lab Sample ID: LCS 680-183043/15-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/19/2010 0513
Date Prepared: 10/15/2010 0947

Analysis Batch: 680-183386
Prep Batch: 680-183043
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 101810.chr
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	200	210	105	75 - 125	
Barium	200	214	107	75 - 125	
Cadmium	5.00	5.28	106	75 - 125	
Chromium	20.0	21.5	107	75 - 125	
Silver	5.00	4.69	94	75 - 125	
Lead	50.0	53.7	107	75 - 125	
Selenium	200	209	105	75 - 125	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Post Digestion Spike - Batch: 680-183043

Method: 6010C
Preparation: 3050B

Lab Sample ID: 680-62145-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/19/2010 0528
Date Prepared: 10/15/2010 0947

Analysis Batch: 680-183386
Prep Batch: 680-183043
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 101810.chr
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	3.1		238	241	100	75 - 125	
Barium	170		238	402	99	75 - 125	
Cadmium	19		5.94	24.3	92	75 - 125	
Chromium	390		23.8	409	67	75 - 125	J
Silver	6.7		5.94	11.8	86	75 - 125	
Lead	1100		59.4	1110	57	75 - 125	J
Selenium	1.2	U	238	237	100	75 - 125	

Matrix Spike - Batch: 680-183043

Method: 6010C
Preparation: 3050B

Lab Sample ID: 680-62145-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/19/2010 0534
Date Prepared: 10/15/2010 0947

Analysis Batch: 680-183386
Prep Batch: 680-183043
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 101810.chr
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Lead	1100	59.4	1350	463	75 - 125	4

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183043

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-62145-1	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-183043	Lab File ID:	101810.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	10/19/2010 0534			Final Weight/Volume:	100 mL
Date Prepared:	10/15/2010 0947				

MSD Lab Sample ID:	680-62145-1	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Solid	Prep Batch:	680-183043	Lab File ID:	101810.chr
Dilution:	1.0			Initial Weight/Volume:	1.03 g
Date Analyzed:	10/19/2010 0539			Final Weight/Volume:	100 mL
Date Prepared:	10/15/2010 0947				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	97	104	75 - 125	7	20		
Barium	108	134	75 - 125	14	20		J
Cadmium	-0.3	154	75 - 125	39	20	J	J
Chromium	2556	1034	75 - 125	44	20	4	4 J
Silver	64	127	75 - 125	30	20	J	J
Selenium	96	102	75 - 125	6	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183043

Method: 6010C
Preparation: 3050B

MS Lab Sample ID:	680-62145-1	Units: mg/Kg	MSD Lab Sample ID:	680-62145-1
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	10/19/2010 0534		Date Analyzed:	10/19/2010 0539
Date Prepared:	10/15/2010 0947		Date Prepared:	10/15/2010 0947

	Sample		MS Spike	MSD Spike	MS		MSD	
Analyte	Result/Qual		Amount	Amount	Result/Qual		Result/Qual	
Arsenic	3.1		238	238	233		249	
Barium	170		238	238	423		485	J
Cadmium	19		5.94	5.94	18.9	J	28.0	J
Chromium	390		23.8	23.8	1000	4	639	4 J
Silver	6.7		5.94	5.94	10.5	J	14.2	J
Selenium	1.2	U	238	238	229		243	

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Serial Dilution - Batch: 680-183043

Method: 6010C
Preparation: 3050B

Lab Sample ID: 680-62145-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 10/19/2010 0523
Date Prepared: 10/15/2010 0947

Analysis Batch: 680-183386
Prep Batch: 680-183043
Units: mg/Kg

Instrument ID: ICPD
Lab File ID: 101810.chr
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	3.1		3.5	NC	10	U
Barium	170		169	1.1	10	
Cadmium	19		19.0	0.82	10	
Chromium	390		399	1.4	10	
Silver	6.7		6.84	2.0	10	
Lead	1100		1090	1.7	10	
Selenium	1.2	U	5.9	NC	10	U

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method Blank - Batch: 680-183096

Method: 6010C
Preparation: 3010A

Lab Sample ID: MB 680-183096/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/18/2010 2321
Date Prepared: 10/15/2010 1340

Analysis Batch: 680-183386
Prep Batch: 680-183096
Units: ug/L

Instrument ID: ICPD
Lab File ID: 101810.chr
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Arsenic	4.6	U	4.6	20
Barium	2.3	U	2.3	10
Cadmium	2.0	U	2.0	5.0
Chromium	1.2	U	1.2	10
Silver	0.89	U	0.89	10
Lead	4.0	U	4.0	10
Selenium	6.4	U	6.4	20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-183096

Method: 6010C
Preparation: 3010A

LCS Lab Sample ID: LCS 680-183096/22-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/18/2010 2327
Date Prepared: 10/15/2010 1340

Analysis Batch: 680-183386
Prep Batch: 680-183096
Units: ug/L

Instrument ID: ICPD
Lab File ID: 101810.chr
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/18/2010 2332
Date Prepared: 10/15/2010 1340

Analysis Batch: 680-183386
Prep Batch: 680-183096
Units: ug/L

Instrument ID: ICPD
Lab File ID: 101810.chr
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Arsenic	100	102	75 - 125	2	20		
Barium	101	102	75 - 125	2	20		
Cadmium	101	102	75 - 125	1	20		
Chromium	101	103	75 - 125	2	20		
Silver	88	89	75 - 125	1	20		
Lead	101	102	75 - 125	1	20		
Selenium	100	102	75 - 125	1	20		

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 680-183096

Method: 6010C
Preparation: 3010A

LCS Lab Sample ID: LCS 680-183096/22-A
Units: ug/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/18/2010 2327
Date Prepared: 10/15/2010 1340

LCSD Lab Sample ID: LCSD 680-183096/23-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/18/2010 2332
Date Prepared: 10/15/2010 1340

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	2000	2000	2000	2030
Barium	2000	2000	2010	2050
Cadmium	50.0	50.0	50.6	50.8
Chromium	200	200	202	207
Silver	50.0	50.0	43.9	44.5
Lead	500	500	506	512
Selenium	2000	2000	2010	2040

Post Digestion Spike - Batch: 680-183096

Method: 6010C
Preparation: 3010A

Lab Sample ID: 680-62060-B-1-A PDS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/19/2010 0103
Date Prepared: 10/15/2010 1340

Analysis Batch: 680-183386
Prep Batch: 680-183096
Units: ug/L

Instrument ID: ICPD
Lab File ID: 101810.chr
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.6	U	2000	2020	101	75 - 125	
Barium	23		2000	2070	102	75 - 125	
Cadmium	2.0	U	50.0	50.4	101	75 - 125	
Chromium	2.8	J	200	206	101	75 - 125	
Silver	0.94	J	50.0	43.6	85	75 - 125	
Lead	4.0	U	500	505	101	75 - 125	
Selenium	6.4	U	2000	2000	100	75 - 125	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183096

Method: 6010C
Preparation: 3010A

MS Lab Sample ID:	680-62103-G-1-C MS	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Water	Prep Batch:	680-183096	Lab File ID:	101810.chr
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/19/2010 0232			Final Weight/Volume:	50 mL
Date Prepared:	10/15/2010 1340				

MSD Lab Sample ID:	680-62103-G-1-D MSD	Analysis Batch:	680-183386	Instrument ID:	ICPD
Client Matrix:	Water	Prep Batch:	680-183096	Lab File ID:	101810.chr
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/19/2010 0237			Final Weight/Volume:	50 mL
Date Prepared:	10/15/2010 1343				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	102	108	75 - 125	6	20		
Barium	100	105	75 - 125	5	20		
Cadmium	99	104	75 - 125	5	20		
Chromium	101	106	75 - 125	5	20		
Silver	86	91	75 - 125	5	20		
Lead	99	105	75 - 125	6	20		
Selenium	100	106	75 - 125	6	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183096

Method: 6010C
Preparation: 3010A

MS Lab Sample ID:	680-62103-G-1-C MS	Units: ug/L	MSD Lab Sample ID:	680-62103-G-1-D MSD
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	10/19/2010 0232		Date Analyzed:	10/19/2010 0237
Date Prepared:	10/15/2010 1340		Date Prepared:	10/15/2010 1343

	Sample		MS Spike	MSD Spike	MS	MSD
Analyte	Result/Qual		Amount	Amount	Result/Qual	Result/Qual
Arsenic	5.0	J	2000	2000	2040	2170
Barium	86		2000	2000	2080	2190
Cadmium	2.0	U	50.0	50.0	49.4	52.1
Chromium	3.2	J	200	200	205	216
Silver	1.2	J	50.0	50.0	44.5	46.7
Lead	12		500	500	505	538
Selenium	6.4	U	2000	2000	1990	2120

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Serial Dilution - Batch: 680-183096

Method: 6010C
Preparation: 3010A

Lab Sample ID: 680-62060-B-1-A SD
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 10/19/2010 0058
Date Prepared: 10/15/2010 1340

Analysis Batch: 680-183386
Prep Batch: 680-183096
Units: ug/L

Instrument ID: ICPD
Lab File ID: 101810.chr
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	4.6	U	23	NC	10	U
Barium	23		23.3	NC	10	J
Cadmium	2.0	U	10	NC	10	U
Chromium	2.8	J	6.0	NC	10	U
Silver	0.94	J	4.4	NC	10	U
Lead	4.0	U	20	NC	10	U
Selenium	6.4	U	32	NC	10	U

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method Blank - Batch: 680-182934

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 680-182934/1-A	Analysis Batch:	680-182968	Instrument ID:	LEEMAN1
Client Matrix:	Water	Prep Batch:	680-182934	Lab File ID:	b101410.chr
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	10/14/2010 1757			Final Weight/Volume:	50 mL
Date Prepared:	10/14/2010 1155				

Analyte	Result	Qual	MDL	RL
Mercury	0.091	U	0.091	0.20

Lab Control Sample - Batch: 680-182934

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 680-182934/2-A	Analysis Batch:	680-182968	Instrument ID:	LEEMAN1
Client Matrix:	Water	Prep Batch:	680-182934	Lab File ID:	b101410.chr
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	10/14/2010 1800			Final Weight/Volume:	50 mL
Date Prepared:	10/14/2010 1155				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	2.50	2.29	92	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-182934

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	680-62145-2	Analysis Batch:	680-182968	Instrument ID:	LEEMAN1
Client Matrix:	Water	Prep Batch:	680-182934	Lab File ID:	b101410.chr
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/14/2010 1830			Final Weight/Volume:	50 mL
Date Prepared:	10/14/2010 1155				

MSD Lab Sample ID:	680-62145-2	Analysis Batch:	680-182968	Instrument ID:	LEEMAN1
Client Matrix:	Water	Prep Batch:	680-182934	Lab File ID:	b101410.chr
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	10/14/2010 1833			Final Weight/Volume:	50 mL
Date Prepared:	10/14/2010 1155				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	88	93	80 - 120	5	20		

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-182934

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	680-62145-2	Units: ug/L	MSD Lab Sample ID:	680-62145-2
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	10/14/2010 1830		Date Analyzed:	10/14/2010 1833
Date Prepared:	10/14/2010 1155		Date Prepared:	10/14/2010 1155

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.091	U	1.00	1.00	0.880	0.929

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method Blank - Batch: 680-183262

Method: 7471B
Preparation: 7471B

Lab Sample ID: MB 680-183262/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/20/2010 0828
Date Prepared: 10/18/2010 1618

Analysis Batch: 680-183477
Prep Batch: 680-183262
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b101910.chr
Initial Weight/Volume: 0.54 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.0246		0.0076	0.019

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-183262

Method: 7471B
Preparation: 7471B

LCS Lab Sample ID: LCS 680-183262/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/19/2010 1720
Date Prepared: 10/18/2010 1618

Analysis Batch: 680-183477
Prep Batch: 680-183262
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b101910.chr
Initial Weight/Volume: 0.55 g
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/19/2010 1724
Date Prepared: 10/18/2010 1711

Analysis Batch: 680-183477
Prep Batch: 680-183262
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: b101910.chr
Initial Weight/Volume: 0.50 g
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	101	103	80 - 120	12	20		

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 680-183262

Method: 7471B
Preparation: 7471B

LCS Lab Sample ID: LCS 680-183262/2-A
Units: mg/Kg
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/19/2010 1720
Date Prepared: 10/18/2010 1618

LCSD Lab Sample ID: LCSD 680-183262/25-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/19/2010 1724
Date Prepared: 10/18/2010 1711

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Mercury	0.227	0.250	0.230	0.258

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183262

Method: 7471B
Preparation: 7471B

MS Lab Sample ID: 680-62145-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 10/20/2010 0833
Date Prepared: 10/18/2010 1618

Analysis Batch: 680-183477
Prep Batch: 680-183262

Instrument ID: LEEMAN1
Lab File ID: b101910.chr
Initial Weight/Volume: 0.55 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 680-62145-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 10/20/2010 0836
Date Prepared: 10/18/2010 1618

Analysis Batch: 680-183477
Prep Batch: 680-183262

Instrument ID: LEEMAN1
Lab File ID: b101910.chr
Initial Weight/Volume: 0.53 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	133	271	80 - 120	16	20	4	4

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183262

Method: 7471B
Preparation: 7471B

MS Lab Sample ID:	680-62145-1	Units: mg/Kg	MSD Lab Sample ID:	680-62145-1
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	5.0		Dilution:	5.0
Date Analyzed:	10/20/2010 0833		Date Analyzed:	10/20/2010 0836
Date Prepared:	10/18/2010 1618		Date Prepared:	10/18/2010 1618

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Mercury	0.78	0.111	0.115	0.932	4	1.10	4

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Method Blank - Batch: 680-183618

Method: 9060A
Preparation: N/A

Lab Sample ID:	MB 680-183618/1	Analysis Batch:	680-183618	Instrument ID:	TOC3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	TOC102010.txt
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	25 mL
Date Analyzed:	10/20/2010 1152			Final Weight/Volume:	25 mL
Date Prepared:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	0.50	U	0.50	1.0

Lab Control Sample - Batch: 680-183618

Method: 9060A
Preparation: N/A

Lab Sample ID:	LCS 680-183618/2	Analysis Batch:	680-183618	Instrument ID:	TOC3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	TOC102010.txt
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	25 mL
Date Analyzed:	10/20/2010 1225			Final Weight/Volume:	25 mL
Date Prepared:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	20.0	19.0	95	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183618

Method: 9060A
Preparation: N/A

MS Lab Sample ID:	680-62308-E-1 MS	Analysis Batch:	680-183618	Instrument ID:	TOC3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	TOC102010.txt
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	10/20/2010 1742			Final Weight/Volume:	25 mL
Date Prepared:	N/A				

MSD Lab Sample ID:	680-62308-E-1 MSD	Analysis Batch:	680-183618	Instrument ID:	TOC3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	TOC102010.txt
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	10/20/2010 1757			Final Weight/Volume:	25 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon	98	97	80 - 120	2	25		

Quality Control Results

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-183618

Method: 9060A
Preparation: N/A

MS Lab Sample ID: 680-62308-E-1 MS
Units: mg/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1742
Date Prepared: N/A

MSD Lab Sample ID: 680-62308-E-1 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1757
Date Prepared: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon	0.50	U	20.0	20.0	19.6	19.3

Duplicate - Batch: 680-183618

Method: 9060A
Preparation: N/A

Lab Sample ID: 680-62297-B-5 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/20/2010 1705
Date Prepared: N/A

Analysis Batch: 680-183618
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: TOC102010.txt
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	45	44.3	1	25	

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

Lab Section	Qualifier	Description
Metals		
	B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	U	Undetected at the Limit of Detection.
General Chemistry		
	U	Undetected at the Limit of Detection.

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-182934					
LCS 680-182934/2-A	Lab Control Sample	T	Water	7470A	
MB 680-182934/1-A	Method Blank	T	Water	7470A	
680-62145-2	WC-B82-GP-01	T	Water	7470A	
680-62145-2MS	Matrix Spike	T	Water	7470A	
680-62145-2MSD	Matrix Spike Duplicate	T	Water	7470A	
Analysis Batch:680-182968					
LCS 680-182934/2-A	Lab Control Sample	T	Water	7470A	680-182934
MB 680-182934/1-A	Method Blank	T	Water	7470A	680-182934
680-62145-2	WC-B82-GP-01	T	Water	7470A	680-182934
680-62145-2MS	Matrix Spike	T	Water	7470A	680-182934
680-62145-2MSD	Matrix Spike Duplicate	T	Water	7470A	680-182934
Prep Batch: 680-183043					
LCS 680-183043/15-A	Lab Control Sample	T	Solid	3050B	
MB 680-183043/13-A	Method Blank	T	Solid	3050B	
680-62145-1	WC-B82-GTM-05	T	Solid	3050B	
680-62145-1MS	Matrix Spike	T	Solid	3050B	
680-62145-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
Prep Batch: 680-183096					
LCS 680-183096/22-A	Lab Control Sample	T	Water	3010A	
LCSD 680-183096/23-A	Lab Control Sample Duplicate	T	Water	3010A	
MB 680-183096/21-A	Method Blank	T	Water	3010A	
680-62103-G-1-C MS	Matrix Spike	T	Water	3010A	
680-62103-G-1-D MSD	Matrix Spike Duplicate	T	Water	3010A	
680-62145-2	WC-B82-GP-01	T	Water	3010A	
Prep Batch: 680-183262					
LCS 680-183262/2-A	Lab Control Sample	T	Solid	7471B	
LCSD 680-183262/25-A	Lab Control Sample Duplicate	T	Solid	7471B	
MB 680-183262/1-A	Method Blank	T	Solid	7471B	
680-62145-1	WC-B82-GTM-05	T	Solid	7471B	
680-62145-1MS	Matrix Spike	T	Solid	7471B	
680-62145-1MSD	Matrix Spike Duplicate	T	Solid	7471B	

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
Sdg Number: 68000

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-183386					
LCS 680-183043/15-A	Lab Control Sample	T	Solid	6010C	680-183043
MB 680-183043/13-A	Method Blank	T	Solid	6010C	680-183043
LCS 680-183096/22-A	Lab Control Sample	T	Water	6010C	680-183096
LCSD 680-183096/23-A	Lab Control Sample Duplicate	T	Water	6010C	680-183096
MB 680-183096/21-A	Method Blank	T	Water	6010C	680-183096
680-62103-G-1-C MS	Matrix Spike	T	Water	6010C	680-183096
680-62103-G-1-D MSD	Matrix Spike Duplicate	T	Water	6010C	680-183096
680-62145-1	WC-B82-GTM-05	T	Solid	6010C	680-183043
680-62145-1MS	Matrix Spike	T	Solid	6010C	680-183043
680-62145-1MSD	Matrix Spike Duplicate	T	Solid	6010C	680-183043
680-62145-2	WC-B82-GP-01	T	Water	6010C	680-183096
Analysis Batch:680-183477					
LCS 680-183262/2-A	Lab Control Sample	T	Solid	7471B	680-183262
LCSD 680-183262/25-A	Lab Control Sample Duplicate	T	Solid	7471B	680-183262
MB 680-183262/1-A	Method Blank	T	Solid	7471B	680-183262
680-62145-1	WC-B82-GTM-05	T	Solid	7471B	680-183262
680-62145-1MS	Matrix Spike	T	Solid	7471B	680-183262
680-62145-1MSD	Matrix Spike Duplicate	T	Solid	7471B	680-183262

Report Basis
T = Total

General Chemistry

Analysis Batch:680-183618				
LCS 680-183618/2	Lab Control Sample	T	Water	9060A
MB 680-183618/1	Method Blank	T	Water	9060A
680-62145-2	WC-B82-GP-01	T	Water	9060A
680-62297-B-5 DU	Duplicate	T	Water	9060A
680-62308-E-1 MS	Matrix Spike	T	Water	9060A
680-62308-E-1 MSD	Matrix Spike Duplicate	T	Water	9060A

Report Basis
T = Total

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
SDG: 68000

Laboratory Chronicle

Lab ID: **680-62145-1** **Client ID:** **WC-B82-GTM-05**

Sample Date/Time: 10/07/2010 16:00 Received Date/Time: 10/13/2010 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-62145-B-1-A		680-183386	680-183043	10/15/2010 09:47	1	TAL SAV	HM
A:6010C	680-62145-B-1-A		680-183386	680-183043	10/19/2010 05:18	1	TAL SAV	BCB
P:7471B	680-62145-B-1-D		680-183477	680-183262	10/18/2010 16:18	5	TAL SAV	JV
A:7471B	680-62145-B-1-D		680-183477	680-183262	10/20/2010 08:30	5	TAL SAV	CE

Lab ID: **680-62145-1 MS** **Client ID:** **WC-B82-GTM-05**

Sample Date/Time: 10/07/2010 16:00 Received Date/Time: 10/13/2010 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-62145-B-1-B MS		680-183386	680-183043	10/15/2010 09:47	1	TAL SAV	HM
A:6010C	680-62145-B-1-B MS		680-183386	680-183043	10/19/2010 05:34	1	TAL SAV	BCB
P:7471B	680-62145-B-1-E MS		680-183477	680-183262	10/18/2010 16:18	5	TAL SAV	JV
A:7471B	680-62145-B-1-E MS		680-183477	680-183262	10/20/2010 08:33	5	TAL SAV	CE

Lab ID: **680-62145-1 MSD** **Client ID:** **WC-B82-GTM-05**

Sample Date/Time: 10/07/2010 16:00 Received Date/Time: 10/13/2010 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-62145-B-1-C MSD		680-183386	680-183043	10/15/2010 09:47	1	TAL SAV	HM
A:6010C	680-62145-B-1-C MSD		680-183386	680-183043	10/19/2010 05:39	1	TAL SAV	BCB
P:7471B	680-62145-B-1-F MSD		680-183477	680-183262	10/18/2010 16:18	5	TAL SAV	JV
A:7471B	680-62145-B-1-F MSD		680-183477	680-183262	10/20/2010 08:36	5	TAL SAV	CE

Lab ID: **680-62145-1 SD** **Client ID:** **WC-B82-GTM-05**

Sample Date/Time: 10/07/2010 16:00 Received Date/Time: 10/13/2010 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	680-62145-B-1-A SD		680-183386	680-183043	10/15/2010 09:47	5	TAL SAV	HM
A:6010C	680-62145-B-1-A SD		680-183386	680-183043	10/19/2010 05:23	5	TAL SAV	BCB
P:3050B	680-62145-B-1-A PDS		680-183386	680-183043	10/15/2010 09:47	1	TAL SAV	HM
A:6010C	680-62145-B-1-A PDS		680-183386	680-183043	10/19/2010 05:28	1	TAL SAV	BCB

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
SDG: 68000

Laboratory Chronicle

Lab ID: **680-62145-2** **Client ID:** **WC-B82-GP-01**

Sample Date/Time: 10/08/2010 13:45 Received Date/Time: 10/13/2010 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	680-62145-C-2-D		680-183386	680-183096	10/15/2010 13:40	1	TAL SAV	RA
A:6010C	680-62145-C-2-D		680-183386	680-183096	10/19/2010 01:24	1	TAL SAV	BCB
P:7470A	680-62145-C-2-A		680-182968	680-182934	10/14/2010 11:55	1	TAL SAV	JV
A:7470A	680-62145-C-2-A		680-182968	680-182934	10/14/2010 18:21	1	TAL SAV	CE
A:9060A	680-62145-A-2		680-183618		10/20/2010 12:41	1	TAL SAV	KB

Lab ID: **680-62145-2 MS** **Client ID:** **WC-B82-GP-01**

Sample Date/Time: 10/08/2010 13:45 Received Date/Time: 10/13/2010 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7470A	680-62145-C-2-B MS		680-182968	680-182934	10/14/2010 11:55	1	TAL SAV	JV
A:7470A	680-62145-C-2-B MS		680-182968	680-182934	10/14/2010 18:30	1	TAL SAV	CE

Lab ID: **680-62145-2 MSD** **Client ID:** **WC-B82-GP-01**

Sample Date/Time: 10/08/2010 13:45 Received Date/Time: 10/13/2010 10:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7470A	680-62145-C-2-C MSD		680-182968	680-182934	10/14/2010 11:55	1	TAL SAV	JV
A:7470A	680-62145-C-2-C MSD		680-182968	680-182934	10/14/2010 18:33	1	TAL SAV	CE

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	MB 680-183096/21-A		680-183386	680-183096	10/15/2010 13:40	1	TAL SAV	RA
A:6010C	MB 680-183096/21-A		680-183386	680-183096	10/18/2010 23:21	1	TAL SAV	BCB
P:3050B	MB 680-183043/13-A		680-183386	680-183043	10/15/2010 09:47	1	TAL SAV	HM
A:6010C	MB 680-183043/13-A		680-183386	680-183043	10/19/2010 13:15	1	TAL SAV	BCB
P:7470A	MB 680-182934/1-A		680-182968	680-182934	10/14/2010 11:55	1	TAL SAV	JV
A:7470A	MB 680-182934/1-A		680-182968	680-182934	10/14/2010 17:57	1	TAL SAV	CE
P:7471B	MB 680-183262/1-A		680-183477	680-183262	10/18/2010 16:18	1	TAL SAV	JV
A:7471B	MB 680-183262/1-A		680-183477	680-183262	10/20/2010 08:28	1	TAL SAV	CE
A:9060A	MB 680-183618/1		680-183618		10/20/2010 11:52	1	TAL SAV	KB

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
SDG: 68000

Laboratory Chronicle

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCS 680-183096/22-A		680-183386	680-183096	10/15/2010 13:40	1	TAL SAV	RA
A:6010C	LCS 680-183096/22-A		680-183386	680-183096	10/18/2010 23:27	1	TAL SAV	BCB
P:3050B	LCS 680-183043/15-A		680-183386	680-183043	10/15/2010 09:47	1	TAL SAV	HM
A:6010C	LCS 680-183043/15-A		680-183386	680-183043	10/19/2010 05:13	1	TAL SAV	BCB
P:7470A	LCS 680-182934/2-A		680-182968	680-182934	10/14/2010 11:55	1	TAL SAV	JV
A:7470A	LCS 680-182934/2-A		680-182968	680-182934	10/14/2010 18:00	1	TAL SAV	CE
P:7471B	LCS 680-183262/2-A		680-183477	680-183262	10/18/2010 16:18	1	TAL SAV	JV
A:7471B	LCS 680-183262/2-A		680-183477	680-183262	10/19/2010 17:20	1	TAL SAV	CE
A:9060A	LCS 680-183618/2		680-183618		10/20/2010 12:25	1	TAL SAV	KB

Lab ID: LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCSD 680-183096/23-A		680-183386	680-183096	10/15/2010 13:40	1	TAL SAV	RA
A:6010C	LCSD 680-183096/23-A		680-183386	680-183096	10/18/2010 23:32	1	TAL SAV	BCB
P:7471B	LCSD 680-183262/25-A		680-183477	680-183262	10/18/2010 17:11	1	TAL SAV	JV
A:7471B	LCSD 680-183262/25-A		680-183477	680-183262	10/19/2010 17:24	1	TAL SAV	CE

Lab ID: MS **Client ID:** N/A

Sample Date/Time: 10/09/2010 14:45 Received Date/Time: 10/13/2010 09:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	680-62103-G-1-C MS		680-183386	680-183096	10/15/2010 13:40	1	TAL SAV	RA
A:6010C	680-62103-G-1-C MS		680-183386	680-183096	10/19/2010 02:32	1	TAL SAV	BCB
A:9060A	680-62308-E-1 MS		680-183618		10/20/2010 17:42	1	TAL SAV	KB

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-1
SDG: 68000

Laboratory Chronicle

Lab ID: **MSD** **Client ID:** **N/A**

Sample Date/Time: 10/09/2010 14:45 Received Date/Time: 10/13/2010 09:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	680-62103-G-1-D MSD		680-183386	680-183096	10/15/2010 13:43	1	TAL SAV	RA
A:6010C	680-62103-G-1-D MSD		680-183386	680-183096	10/19/2010 02:37	1	TAL SAV	BCB
A:9060A	680-62308-E-1 MSD		680-183618		10/20/2010 17:57	1	TAL SAV	KB

Lab ID: **DU** **Client ID:** **N/A**

Sample Date/Time: 10/14/2010 15:20 Received Date/Time: 10/19/2010 11:12

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060A	680-62297-B-5 DU		680-183618		10/20/2010 17:05	1	TAL SAV	KB

Lab ID: **SD** **Client ID:** **N/A**

Sample Date/Time: 10/11/2010 11:18 Received Date/Time: 10/12/2010 09:32

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	680-62060-B-1-A SD		680-183386	680-183096	10/15/2010 13:40	5	TAL SAV	RA
A:6010C	680-62060-B-1-A SD		680-183386	680-183096	10/19/2010 00:58	5	TAL SAV	BCB
P:3010A	680-62060-B-1-A PDS		680-183386	680-183096	10/15/2010 13:40	1	TAL SAV	RA
A:6010C	680-62060-B-1-A PDS		680-183386	680-183096	10/19/2010 01:03	1	TAL SAV	BCB

Lab References:
TAL SAV = TestAmerica Savannah

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG No.: 68000

Project: 106-2282 NAS SOWEY

Client Sample ID	Lab Sample ID
WC-B82-GTM-05	680-62145-1
WC-B82-GP-01	680-62145-2

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-B82-GTM-05
Lab Sample ID: 680-62145-1
Lab Name: TestAmerica Savannah
Job No.: 680-62145-1
SDG ID.: 68000
Matrix: Solid
Date Sampled: 10/07/2010 16:00
Reporting Basis: DRY
Date Received: 10/13/2010 10:40
% Solids: 81.7

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	3.1	2.4	0.70	mg/Kg			1	6010C
7440-39-3	Barium	170	1.2	0.36	mg/Kg		J	1	6010C
7440-43-9	Cadmium	19	0.59	0.12	mg/Kg		J	1	6010C
7440-47-3	Chromium	390	1.2	0.59	mg/Kg		J	1	6010C
7440-22-4	Silver	6.7	1.2	0.11	mg/Kg		J	1	6010C
7439-92-1	Lead	1100	1.2	0.63	mg/Kg		J	1	6010C
7782-49-2	Selenium	1.2	3.0	1.2	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.78	0.12	0.049	mg/Kg		B J	5	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-B82-GP-01
Lab Sample ID: 680-62145-2
Lab Name: TestAmerica Savannah
Job No.: 680-62145-1
SDG ID.: 68000
Matrix: Water
Date Sampled: 10/08/2010 13:45
Reporting Basis: WET
Date Received: 10/13/2010 10:40

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	4.6	20	4.6	ug/L	U		1	6010C
7440-39-3	Barium	43	10	2.3	ug/L			1	6010C
7440-43-9	Cadmium	2.0	5.0	2.0	ug/L	U		1	6010C
7440-47-3	Chromium	21	10	1.2	ug/L			1	6010C
7440-22-4	Silver	0.89	10	0.89	ug/L	U		1	6010C
7439-92-1	Lead	26	10	4.0	ug/L			1	6010C
7782-49-2	Selenium	6.4	20	6.4	ug/L	U		1	6010C
7439-97-6	Mercury	0.091	0.20	0.091	ug/L	U		1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	ICV 680-183386/4 10/18/2010 16:49				CCV 680-183386/11 10/18/2010 17:54				CCV 680-183386/69 10/18/2010 23:11			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1010		1000	101	506		500	101	508		500	102
Barium	1010		1000	101	5080		5000	102	5020		5000	100
Cadmium	1010		1000	101	509		500	102	504		500	101
Chromium	1020		1000	102	5100		5000	102	5090		5000	102
Lead	1010		1000	101	510		500	102	517		500	103
Selenium	1010		1000	101	5100		5000	102	5060		5000	101
Silver	986		1000	99	505		500	101	504		500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	CCV 680-183386/80 10/19/2010 00:10				CCV 680-183386/92 10/19/2010 01:13				CCV 680-183386/104 10/19/2010 02:16			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	499		500	100	512		500	102	500		500	100
Barium	4980		5000	100	5040		5000	101	5000		5000	100
Cadmium	496		500	99	497		500	99	497		500	99
Chromium	5010		5000	100	5040		5000	101	5030		5000	101
Lead	507		500	101	505		500	101	508		500	102
Selenium	4970		5000	99	5000		5000	100	4990		5000	100
Silver	495		500	99	502		500	100	499		500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	CCV 680-183386/111 10/19/2010 02:55				CCV 680-183386/133 10/19/2010 04:52				CCV 680-183386/145 10/19/2010 05:54			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	506		500	101	509		500	102	503		500	101
Barium	5010		5000	100	5020		5000	100	5040		5000	101
Cadmium	503		500	101	502		500	100	493		500	99
Chromium	5070		5000	101	5060		5000	101	5020		5000	100
Lead	513		500	103	509		500	102	503		500	101
Selenium	5040		5000	101	4980		5000	100	4950		5000	99
Silver	502		500	100	504		500	101	503		500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

ICV Source: P_ICV_wk_00190 Concentration Units: ug/L

CCV Source: P_CCV_wk_00072

Analyte	CCV 680-183386/212 10/19/2010 12:42				CCV 680-183386/221 10/19/2010 13:34				CCV 680-183386/228 10/19/2010 14:23			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	505		500	101	499		500	100	506		500	101
Barium	5070		5000	101	5070		5000	101	5040		5000	101
Cadmium	499		500	100	497		500	99	506		500	101
Chromium	5030		5000	101	5010		5000	100	5050		5000	101
Lead	507		500	101	500		500	100	508		500	102
Selenium	5010		5000	100	4990		5000	100	5060		5000	101
Silver	503		500	101	502		500	100	501		500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

ICV Source: HG_ICV_std_00102 Concentration Units: ug/L

CCV Source: HG_CCV_std_00115

Analyte	ICV 680-182968/10 10/14/2010 11:19				CCV 680-182968/12 10/14/2010 11:45				CCV 680-182968/24 10/14/2010 12:20			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.93		3.00	98	2.45		2.50	98	2.46		2.50	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

ICV Source: HG_ICV_std_00102 Concentration Units: ug/L

CCV Source: HG_CCV_std_00115

Analyte	CCV 680-182968/71 10/14/2010 17:48				CCV 680-182968/83 10/14/2010 18:24				CCV 680-182968/87 10/14/2010 18:36			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.52		2.50	101	2.60		2.50	104	2.54		2.50	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

ICV Source: HG_ICV_std_00103 Concentration Units: ug/L

CCV Source: HG_CCV_std_00116

Analyte	ICV 680-183477/7 10/19/2010 11:01				CCV 680-183477/9 10/19/2010 11:21				CCV 680-183477/21 10/19/2010 11:57			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.15		3.00	105	2.73		2.50	109	2.75		2.50	110

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

ICV Source: HG_ICV_std_00103 Concentration Units: ug/L

CCV Source: HG_CCV_std_00116

Analyte	CCV 680-183477/112 10/19/2010 17:10				CCV 680-183477/124 10/19/2010 17:47				CCV 680-183477/145 10/20/2010 08:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.83		2.50	113	2.86		2.50	114	2.68		2.50	107

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

ICV Source: HG_ICV_std_00103 Concentration Units: ug/L

CCV Source: HG_CCV_std_00116

Analyte	CCV 680-183477/151 10/20/2010 08:40											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.70		2.50	108								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Analysis Method: 6010C Instrument ID: ICPD

Lab Sample ID: CRI 680-183386/8 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	21.9		110	50-150
Barium	10.0	10.7		107	50-150
Cadmium	5.00	5.13		103	50-150
Chromium	10.0	9.92	J	99	50-150
Silver	10.0	10.3		103	50-150
Lead	10.0	9.62	J	96	50-150
Selenium	20.0	21.3		106	50-150

Lab Sample ID: CRI 680-183386/225 Concentration Units: ug/L

CRQL Check Standard Source: P_RL_wk_00045

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	22.0		110	50-150
Barium	10.0	10.2		102	50-150
Cadmium	5.00	4.77	J	95	50-150
Chromium	10.0	10.1		101	50-150
Silver	10.0	10.3		103	50-150
Lead	10.0	8.96	J	90	50-150
Selenium	20.0	21.5		108	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Analysis Method: 7470A Instrument ID: LEEMAN1

Lab Sample ID: CRA 680-182968/14 Concentration Units: ug/L

CRQL Check Standard Source: HG_0.2_std_00102

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.209		104	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Analysis Method: 7471B Instrument ID: LEEMAN1

Lab Sample ID: CRA 680-183477/11 Concentration Units: ug/L

CRQL Check Standard Source: HG_0.2_std_00104

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.226		113	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Concentration Units: ug/L

Analyte	RL	ICB 680-183386/5 10/18/2010 16:56		CCB 680-183386/12 10/18/2010 18:03		CCB 680-183386/70 10/18/2010 23:16		CCB 680-183386/81 10/19/2010 00:16	
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	4.6	U	4.6	U	4.6	U	4.6	U
Barium	10	2.3	U	2.3	U	2.3	U	2.3	U
Cadmium	5.0	2.0	U	2.0	U	2.0	U	2.0	U
Chromium	10	1.2	U	1.2	U	1.2	U	1.2	U
Lead	10	4.0	U	4.0	U	4.0	U	4.0	U
Selenium	20	6.69	J	6.4	U	6.4	U	6.4	U
Silver	10	0.900	J	0.89	U	0.89	U	0.89	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Concentration Units: ug/L

Analyte	RL	CCB 680-183386/93 10/19/2010 01:19		CCB 680-183386/105 10/19/2010 02:21		CCB 680-183386/112 10/19/2010 03:02		CCB 680-183386/134 10/19/2010 04:57	
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	4.6	U	4.6	U	4.6	U	5.9	U
Barium	10	2.3	U	2.3	U	2.3	U	3.0	U
Cadmium	5.0	2.0	U	2.0	U	2.0	U	1.0	U
Chromium	10	1.2	U	1.2	U	1.2	U	5.0	U
Lead	10	4.0	U	4.0	U	4.0	U	5.3	U
Selenium	20	6.4	U	6.4	U	6.4	U	10	U
Silver	10	0.89	U	0.89	U	0.89	U	0.96	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Concentration Units: ug/L

Analyte	RL	CCB 680-183386/146 10/19/2010 06:00		CCB 680-183386/213 10/19/2010 12:47		CCB 680-183386/222 10/19/2010 13:41		CCB 680-183386/229 10/19/2010 14:28	
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	5.9	U	5.9	U	4.6	U	4.6	U
Barium	10	3.0	U	3.0	U	2.3	U	2.3	U
Cadmium	5.0	1.0	U	1.0	U	2.0	U	2.0	U
Chromium	10	5.0	U	5.0	U	1.2	U	1.2	U
Lead	10	5.3	U	5.3	U	4.0	U	4.0	U
Selenium	20	10	U	10	U	6.4	U	6.4	U
Silver	10	0.96	U	0.96	U	0.89	U	0.89	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Concentration Units: ug/L

Analyte	RL	ICB 680-182968/11 10/14/2010 11:22		CCB 680-182968/13 10/14/2010 11:48		CCB 680-182968/25 10/14/2010 12:23		CCB 680-182968/72 10/14/2010 17:51	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.091	U	0.091	U	0.091	U	0.091	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Concentration Units: ug/L

Analyte	RL	CCB 680-182968/84 10/14/2010 18:27		CCB 680-182968/88 10/14/2010 18:39					
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.091	U	0.091	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Concentration Units: ug/L

Analyte	RL	ICB 680-183477/8 10/19/2010 11:04		CCB 680-183477/10 10/19/2010 11:24		CCB 680-183477/22 10/19/2010 12:01		CCB 680-183477/113 10/19/2010 17:14	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.080	U	0.080	U	0.080	U	0.080	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Concentration Units: ug/L

Analyte	RL	CCB 680-183477/125 10/19/2010 17:50		CCB 680-183477/146 10/20/2010 08:25		CCB 680-183477/152 10/20/2010 08:43			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.080	U	0.080	U	0.080	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Concentration Units: ug/L Lab Sample ID: MB 680-183096/21-A

Instrument Code: ICPD Batch No.: 183386

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	4.6	U		6010C
7440-39-3	Barium	2.3	U		6010C
7440-43-9	Cadmium	2.0	U		6010C
7440-47-3	Chromium	1.2	U		6010C
7440-22-4	Silver	0.89	U		6010C
7439-92-1	Lead	4.0	U		6010C
7782-49-2	Selenium	6.4	U		6010C

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Concentration Units: mg/Kg Lab Sample ID: MB 680-183043/13-A

Instrument Code: ICPD Batch No.: 183386

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.59	U		6010C
7440-39-3	Barium	0.30	U		6010C
7440-43-9	Cadmium	0.10	U		6010C
7440-47-3	Chromium	0.50	U		6010C
7440-22-4	Silver	0.096	U		6010C
7439-92-1	Lead	0.53	U		6010C
7782-49-2	Selenium	1.0	U		6010C

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Concentration Units: ug/L Lab Sample ID: MB 680-182934/1-A

Instrument Code: LEEMAN1 Batch No.: 182968

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.091	U		7470A

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Concentration Units: mg/Kg Lab Sample ID: MB 680-183262/1-A

Instrument Code: LEEMAN1 Batch No.: 183477

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.0246			7471B

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Lab Sample ID: ICSA 680-183386/9 Instrument ID: ICPD

Lab File ID: 101810.chr ICS Source: P_ICSA_wk_00022

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**2.75**	
Barium		**1.23**	
Cadmium		**0.415**	
Chromium		**1.41**	
Lead		**-4.46**	
Selenium		**7.79**	
Silver		**1.03**	
Aluminum	*500000*	*501702*	*100*
Antimony		*1.55*	
Beryllium		*0.0796*	
Boron		*14.4*	
Calcium	*500000*	*552522*	*111*
Cobalt		*0.686*	
Copper		*1.52*	
Iron	*200000*	*202342*	*101*
Magnesium	*500000*	*532290*	*106*
Manganese		*-1.20*	
Molybdenum		*-1.53*	
Nickel		*0.651*	
Potassium		*22.3*	
Sodium		*183*	
Strontium		*2.19*	
Thallium		*-7.68*	
Tin		*2.40*	
Titanium		*1.44*	
Vanadium		*-5.85*	
Zinc		*4.77*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Lab Sample ID: ICSAB 680-183386/10 Instrument ID: ICPD

Lab File ID: 101810.chr ICS Source: P_ICSAB_wk_00038

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**100**	**110**	**110**
Barium	**500**	**539**	**108**
Cadmium	**1000**	**1025**	**103**
Chromium	**500**	**514**	**103**
Lead	**50.0**	**45.0**	**90**
Selenium	**50.0**	**60.2**	**120**
Silver	**200**	**217**	**108**
Aluminum	*500000*	*500687*	*100*
Antimony	*600*	*629*	*105*
Beryllium	*500*	*546*	*109*
Boron		*12.5*	
Calcium	*500000*	*555217*	*111*
Cobalt	*500*	*504*	*101*
Copper	*500*	*544*	*109*
Iron	*200000*	*203342*	*102*
Magnesium	*500000*	*534855*	*107*
Manganese	*500*	*517*	*103*
Molybdenum	*1000*	*1039*	*104*
Nickel	*1000*	*1001*	*100*
Potassium		*1.35*	
Sodium		*118*	
Strontium		*2.20*	
Thallium	*100*	*91.9*	*92*
Tin	*1000*	*1026*	*103*
Titanium		*1.89*	
Vanadium	*500*	*514*	*103*
Zinc	*1000*	*1036*	*104*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Lab Sample ID: ICSA 680-183386/226 Instrument ID: ICPD

Lab File ID: 101810.chr ICS Source: P_ICSA_wk_00022

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-0.215**	
Barium		**0.770**	
Cadmium		**-0.291**	
Chromium		**0.620**	
Lead		**-3.24**	
Selenium		**2.36**	
Silver		**-0.520**	
Aluminum	*500000*	*506542*	*101*
Antimony		*-5.28*	
Beryllium		*0.0396*	
Boron		*12.4*	
Calcium	*500000*	*552726*	*111*
Cobalt		*0.768*	
Copper		*2.08*	
Iron	*200000*	*202250*	*101*
Magnesium	*500000*	*535830*	*107*
Manganese		*-1.24*	
Molybdenum		*-0.363*	
Nickel		*0.429*	
Potassium		*-2.95*	
Sodium		*63.2*	
Strontium		*2.20*	
Thallium		*-2.64*	
Tin		*3.58*	
Titanium		*1.65*	
Vanadium		*-5.74*	
Zinc		*4.22*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Lab Sample ID: ICSAB 680-183386/227 Instrument ID: ICPD

Lab File ID: 101810.chr ICS Source: P_ICSAB_wk_00038

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**100**	**103**	**103**
Barium	**500**	**535**	**107**
Cadmium	**1000**	**1032**	**103**
Chromium	**500**	**512**	**102**
Lead	**50.0**	**44.5**	**89**
Selenium	**50.0**	**57.1**	**114**
Silver	**200**	**215**	**107**
Aluminum	*500000*	*506405*	*101*
Antimony	*600*	*626*	*104*
Beryllium	*500*	*538*	*108*
Boron		*12.9*	
Calcium	*500000*	*552694*	*111*
Cobalt	*500*	*501*	*100*
Copper	*500*	*541*	*108*
Iron	*200000*	*202257*	*101*
Magnesium	*500000*	*535399*	*107*
Manganese	*500*	*513*	*103*
Molybdenum	*1000*	*1030*	*103*
Nickel	*1000*	*995*	*99*
Potassium		*50.9*	
Sodium		*162*	
Strontium		*2.32*	
Thallium	*100*	*110*	*110*
Tin	*1000*	*1017*	*102*
Titanium		*2.07*	
Vanadium	*500*	*510*	*102*
Zinc	*1000*	*1038*	*104*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: WC-B82-GTM-05 MS
Lab ID: 680-62145-1 MS
Lab Name: TestAmerica Savannah
Job No.: 680-62145-1
SDG No.: 68000
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 81.7

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	233		3.1		238	97	75-125		6010C
Barium	423		170		238	108	75-125		6010C
Cadmium	18.9		19		5.94	-0.3	75-125	J	6010C
Chromium	1000		390		23.8	2556	75-125	4	6010C
Silver	10.5		6.7		5.94	64	75-125	J	6010C
Lead	1350		1100		59.4	463	75-125	4	6010C
Selenium	229		1.2	U	238	96	75-125		6010C
Mercury	0.932		0.78		0.111	133	80-120	4	7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: WC-B82-GP-01 MS
Lab ID: 680-62145-2 MS
Lab Name: TestAmerica Savannah
Job No.: 680-62145-1
SDG No.: 68000
Matrix: Water
Concentration Units: ug/L
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.880		0.091	U	1.00	88	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-62103-G-1-C MS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Matrix: Water Concentration Units: ug/L

% Solids: _____

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	2040		5.0	J	2000	102	75-125		6010C
Barium	2080		86		2000	100	75-125		6010C
Cadmium	49.4		2.0	U	50.0	99	75-125		6010C
Chromium	205		3.2	J	200	101	75-125		6010C
Silver	44.5		1.2	J	50.0	86	75-125		6010C
Lead	505		12		500	99	75-125		6010C
Selenium	1990		6.4	U	2000	100	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: WC-B82-GTM-05 MSD
Lab ID: 680-62145-1 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-62145-1
SDG No.: 68000
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 81.7

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	249		238	104	75-125	7	20		6010C
Barium	485		238	134	75-125	14	20	J	6010C
Cadmium	28.0		5.94	154	75-125	39	20	J	6010C
Chromium	639		23.8	1034	75-125	44	20	4 J	6010C
Silver	14.2		5.94	127	75-125	30	20	J	6010C
Selenium	243		238	102	75-125	6	20		6010C
Mercury	1.10		0.115	271	80-120	16	20	4	7471B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: WC-B82-GP-01 MSD
Lab ID: 680-62145-2 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-62145-1
SDG No.: 68000
Matrix: Water
Concentration Units: ug/L
% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.929		1.00	93	80-120	5	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-62103-G-1-D MSD

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Matrix: Water Concentration Units: ug/L

% Solids: _____

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	2170		2000	108	75-125	6	20		6010C
Barium	2190		2000	105	75-125	5	20		6010C
Cadmium	52.1		50.0	104	75-125	5	20		6010C
Chromium	216		200	106	75-125	5	20		6010C
Silver	46.7		50.0	91	75-125	5	20		6010C
Lead	538		500	105	75-125	6	20		6010C
Selenium	2120		2000	106	75-125	6	20		6010C

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: WC-B82-GTM-05 PDS
Lab ID: 680-62145-1 PDS
Lab Name: TestAmerica Savannah
Job No.: 680-62145-1
SDG No.: 68000
Matrix: Solid
Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	241		3.1		238	100	75-125		6010C
Barium	402		170		238	99	75-125		6010C
Cadmium	24.3		19		5.94	92	75-125		6010C
Chromium	409		390		23.8	67	75-125	J	6010C
Silver	11.8		6.7		5.94	86	75-125		6010C
Lead	1110		1100		59.4	57	75-125	J	6010C
Selenium	237		1.2	U	238	100	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-62060-B-1-A PDS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Matrix: Water Concentration Units: ug/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	2020		4.6	U	2000	101	75-125		6010C
Barium	2070		23		2000	102	75-125		6010C
Cadmium	50.4		2.0	U	50.0	101	75-125		6010C
Chromium	206		2.8	J	200	101	75-125		6010C
Silver	43.6		0.94	J	50.0	85	75-125		6010C
Lead	505		4.0	U	500	101	75-125		6010C
Selenium	2000		6.4	U	2000	100	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-183096/22-A

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

Sample Matrix: Water LCS Source: P_Spike1_00053

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	2000	2000		100	75	125		6010C
Barium	2000	2010		101	75	125		6010C
Cadmium	50.0	50.6		101	75	125		6010C
Chromium	200	202		101	75	125		6010C
Silver	50.0	43.9		88	75	125		6010C
Lead	500	506		101	75	125		6010C
Selenium	2000	2010		100	75	125		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 680-183096/23-A

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

Sample Matrix: Water LCS Source: P_Spike1_00053

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	2030		2000	102	75-125	2	20		6010C
Barium	2050		2000	102	75-125	2	20		6010C
Cadmium	50.8		50.0	102	75-125	1	20		6010C
Chromium	207		200	103	75-125	2	20		6010C
Silver	44.5		50.0	89	75-125	1	20		6010C
Lead	512		500	102	75-125	1	20		6010C
Selenium	2040		2000	102	75-125	1	20		6010C

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-183043/15-A

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

Sample Matrix: Solid LCS Source: P_TEFLONCH_00007

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	200	210		105	75	125		6010C
Barium	200	214		107	75	125		6010C
Cadmium	5.00	5.28		106	75	125		6010C
Chromium	20.0	21.5		107	75	125		6010C
Silver	5.00	4.69		94	75	125		6010C
Lead	50.0	53.7		107	75	125		6010C
Selenium	200	209		105	75	125		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-182934/2-A

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

Sample Matrix: Water LCS Source: Hg_Int_Cal_00049

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	2.50	2.29		92	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-183262/2-A

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

Sample Matrix: Solid LCS Source: Hg_Int_Cal_00050

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.227	0.230		101	80	120		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS

Lab ID: LCSD 680-183262/25-A

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

Sample Matrix: Solid LCS Source: Hg_Int_Cal_00050

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.258		0.250	103	80-120	12	20		7471B

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 680-62145-1

SDG No: 68000

Lab Name: TestAmerica Savannah Job No: 680-62145-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	3.1		3.5	U	NC		6010C
Barium	170		169		1.1		6010C
Cadmium	19		19.0		0.82		6010C
Chromium	390		399		1.4		6010C
Silver	6.7		6.84		2.0		6010C
Lead	1100		1090		1.7		6010C
Selenium	1.2	U	5.9	U	NC		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 680-62060-B-1-A SD

SDG No: 68000

Lab Name: TestAmerica Savannah Job No: 680-62145-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	4.6	U	23	U	NC		6010C
Barium	23		23.3	J	NC		6010C
Cadmium	2.0	U	10	U	NC		6010C
Chromium	2.8	J	6.0	U	NC		6010C
Silver	0.94	J	4.4	U	NC		6010C
Lead	4.0	U	20	U	NC		6010C
Selenium	6.4	U	32	U	NC		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG Number: 68000

Matrix: Water Instrument ID: ICPD

Analysis Method: 6010C MDL Date: 06/02/2009 00:00

Prep Method: 3010A

Leach Method:

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic		20	4.6
Barium		10	2.3
Cadmium		5	2
Chromium		10	1.2
Lead		10	4
Selenium		20	6.4
Silver		10	0.89

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG Number: 68000

Matrix: Water Instrument ID: ICPD

Analysis Method: 6010C XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		20	4.6
Barium		10	2.3
Cadmium		5	2
Chromium		10	1.2
Lead		10	4
Selenium		20	6.4
Silver		10	0.89

FORM IX - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG Number: 68000

Matrix: Solid Instrument ID: ICPD

Analysis Method: 6010C MDL Date: 06/02/2009 00:00

Prep Method: 3050B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Arsenic		2	0.59
Barium		1	0.3
Cadmium		0.5	0.1
Chromium		1	0.5
Lead		1	0.53
Selenium		2.5	1
Silver		1	0.096

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG Number: 68000

Matrix: Solid Instrument ID: ICPD

Analysis Method: 6010C XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		20	5.9
Barium		10	3
Cadmium		5	1
Chromium		10	5
Lead		10	5.3
Selenium		25	10
Silver		10	0.96

FORM IX - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG Number: 68000

Matrix: Water Instrument ID: LEEMAN1

Analysis Method: 7470A MDL Date: 06/02/2009 00:00

Prep Method: 7470A

Leach Method:

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.091

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG Number: 68000

Matrix: Water Instrument ID: LEEMAN1

Analysis Method: 7470A XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.091

FORM IX - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG Number: 68000

Matrix: Solid Instrument ID: LEEMAN1

Analysis Method: 7471B MDL Date: 06/02/2009 00:00

Prep Method: 7471B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.02	0.0082

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG Number: 68000

Matrix: Solid Instrument ID: LEEMAN1

Analysis Method: 7471B XMDL Date: 06/01/2008 15:53

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.08

FORM IX - IN

Analytes	CAS #	Limits	Units	Limit Type
Ag	7440-22-4	0.10	mg/Kg	LOD
Al	7429-90-5	6.3	mg/Kg	LOD
As	7440-38-2	0.25	mg/Kg	LOD
B	7440-42-8	8.8	mg/Kg	LOD
Ca	7440-70-2	50	mg/Kg	LOD
Cd	7440-43-9	0.050	mg/Kg	LOD
Cr	7440-47-3	0.50	mg/Kg	LOD
Co	7440-48-4	0.030	mg/Kg	LOD
Cu	7440-50-8	0.50	mg/Kg	LOD
Ba	7440-39-3	0.25	mg/Kg	LOD
Be	7440-41-7	0.050	mg/Kg	LOD
Fe	7439-89-6	20	mg/Kg	LOD
K	7440-09-7	30	mg/Kg	LOD
Mg	7439-95-4	6.0	mg/Kg	LOD
Mn	7439-96-5	1.0	mg/Kg	LOD
Mo	7439-98-7	0.75	mg/Kg	LOD
Na	7440-23-5	32	mg/Kg	LOD
Ni	7440-02-0	0.50	mg/Kg	LOD
Pb	7439-92-1	0.20	mg/Kg	LOD
Sb	7440-36-0	1.0	mg/Kg	LOD
Se	7782-49-2	0.50	mg/Kg	LOD
Sn	7440-31-5	5.1	mg/Kg	LOD
Sr	7440-24-6	0.20	mg/Kg	LOD
Ti	7440-32-6	0.40	mg/Kg	LOD
Tl	7440-28-0	0.050	mg/Kg	LOD
V	7440-62-2	0.55	mg/Kg	LOD
Zn	7440-66-6	3.0	mg/Kg	LOD
Hg	7439-97-6	0.080	mg/Kg	LOD

Analytes	CAS #	Limits	Units	Limit Type
Ag	7440-22-4	0.25	ug/L	LOD
Al	7429-90-5	50	ug/L	LOD
As	7440-38-2	1.3	ug/L	LOD
B	7440-42-8	44	ug/L	LOD
Ca	7440-70-2	200	ug/L	LOD
Cd	7440-43-9	0.20	ug/L	LOD
Cr	7440-47-3	2.5	ug/L	LOD
Co	7440-48-4	0.30	ug/L	LOD
Cu	7440-50-8	1.1	ug/L	LOD
Ba	7440-39-3	1.4	ug/L	LOD
Be	7440-41-7	0.25	ug/L	LOD
Fe	7439-89-6	44	ug/L	LOD
K	7440-09-7	330	ug/L	LOD
Mg	7439-95-4	100	ug/L	LOD
Mn	7439-96-5	2	ug/L	LOD
Mo	7439-98-7	2.1	ug/L	LOD
Na	7440-23-5	170	ug/L	LOD
Ni	7440-02-0	2.0	ug/L	LOD
Pb	7439-92-1	0.50	ug/L	LOD
Sb	7440-36-0	2.0	ug/L	LOD
Se	7782-49-2	1.1	ug/L	LOD
Sn	7440-31-5	1.4	ug/L	LOD
Sr	7440-24-6	0.50	ug/L	LOD
Ti	7440-32-6	2.0	ug/L	LOD
Tl	7440-28-0	0.25	ug/L	LOD
V	7440-62-2	3.2	ug/L	LOD
Zn	7440-66-6	8.4	ug/L	LOD
Hg	7439-97-6	0.4	ug/L	LOD

Analytes	CAS #	Limits	Units	Limit Type
Hg	7439-97-6	0.0088	mg/Kg	LOD

Analytes	CAS #	Limits	Units	Limit Type
Hg	7439-97-6	0.10	ug/L	LOD

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG No.: 68000

ICP-AES Instrument ID: ICPD Date: 02/08/2010

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Aluminum	308.21														
Antimony	206.84										0.00681		0.000007		
Arsenic	189.04										-0.00268		-0.0078		
Barium	493.40														
Beryllium	313.04														
Boron	249.67												-0.000116		
Cadmium	226.50		-0.000002										0.000093		
Calcium	317.93												-0.000061		
Chromium	267.71														
Cobalt	228.61														
Copper	324.75												0.000007		
Iron	271.44									0.07233	0.001193				
Lead	220.35		-0.000017										0.000052		
Magnesium	279.07												-0.000176		
Manganese	257.61														0.000006
Molybdenum	202.03														
Nickel	231.60														
Potassium	766.49														
Selenium	196.02		-0.000001							0.000035			-0.000014		
Silicon	288.14														
Silver	328.06														
Sodium	330.23														
Strontium	421.54														
Thallium	190.86		-0.000004							-0.00329	0.000234		-0.000098		
Tin	189.98		-0.000022												
Titanium	334.94							-0.000008							
Vanadium	292.40		0.000018								-0.00566		-0.000011		-0.000145
Zinc	206.20										-0.00143				

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG No.: 68000

ICP-AES Instrument ID: ICPD Date: 02/08/2010

Analyte	Wave Length	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	SiO2	Sn	Sr	Ti	Tl	V
Aluminum	308.21														0.01809
Antimony	206.84		-0.01349								0.00015				
Arsenic	189.04		-0.000441												
Barium	493.40														
Beryllium	313.04		-0.000067												0.000017
Boron	249.67														
Cadmium	226.50														
Calcium	317.93														
Chromium	267.71														-0.000212
Cobalt	228.61		-0.00226										0.002		
Copper	324.75		0.000145												-0.00012
Iron	271.44														-0.0179
Lead	220.35	0.000087	-0.00049		0.00007								-0.000507		-0.000059
Magnesium	279.07	-0.00754													
Manganese	257.61														-0.00012
Molybdenum	202.03														
Nickel	231.60						-0.00058								
Potassium	766.49														
Selenium	196.02	0.00011	0.000047												0.000059
Silicon	288.14														
Silver	328.06														0.01426
Sodium	330.23												-0.5787		-0.00375
Strontium	421.54														
Thallium	190.86	-0.000836											-0.00162		-0.00209
Tin	189.98						-0.0015								
Titanium	334.94														
Vanadium	292.40	0.00206	-0.00040										0.000698		
Zinc	206.20														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG No.: 68000

ICP-AES Instrument ID: ICPD Date: 02/08/2010

Analyte	Wave Length	Zn													
Aluminum	308.21														
Antimony	206.84														
Arsenic	189.04														
Barium	493.40														
Beryllium	313.04														
Boron	249.67														
Cadmium	226.50														
Calcium	317.93														
Chromium	267.71														
Cobalt	228.61														
Copper	324.75														
Iron	271.44														
Lead	220.35														
Magnesium	279.07														
Manganese	257.61														
Molybdenum	202.03														
Nickel	231.60														
Potassium	766.49														
Selenium	196.02														
Silicon	288.14														
Silver	328.06														
Sodium	330.23	0.04966													
Strontium	421.54														
Thallium	190.86														
Tin	189.98														
Titanium	334.94														
Vanadium	292.40														
Zinc	206.20														

X-IN

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Savannah Job No: 680-62145-1

SDG No.: 68000

Instrument ID: ICPD Date: 01/25/2010 13:16

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		18000	6010C
Barium		18000	6010C
Cadmium		9000	6010C
Chromium		22500	6010C
Silver		1800	6010C
Lead		18000	6010C
Selenium		22500	6010C

FORM XI - IN

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Savannah Job No: 680-62145-1

SDG No.: 68000

Instrument ID: ICPD Date: 01/25/2010 13:17

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		18000	6010C
Barium		18000	6010C
Cadmium		9000	6010C
Chromium		22500	6010C
Silver		1800	6010C
Lead		18000	6010C
Selenium		22500	6010C

FORM XI - IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
680-62145-1	10/15/2010 09:47	183043	1.03		100
680-62145-1 MS	10/15/2010 09:47	183043	1.03		100
680-62145-1 MSD	10/15/2010 09:47	183043	1.03		100
MB 680-183043/13-A	10/15/2010 09:47	183043	1.00		100
LCS 680-183043/15-A	10/15/2010 09:47	183043	1.00		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Preparation Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
680-62145-2	10/15/2010 13:40	183096		50	50
MB 680-183096/21-A	10/15/2010 13:40	183096		50	50
LCS 680-183096/22-A	10/15/2010 13:40	183096		50	50
LCSD 680-183096/23-A	10/15/2010 13:40	183096		50	50
680-62103-G-1-C MS	10/15/2010 13:40	183096		50	50
680-62103-G-1-D MSD	10/15/2010 13:43	183096		50	50

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Preparation Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 680-182934/1-A	10/14/2010 11:55	182934		50	50
LCS 680-182934/2-A	10/14/2010 11:55	182934		50	50
680-62145-2	10/14/2010 11:55	182934		50	50
680-62145-2 MS	10/14/2010 11:55	182934		50	50
680-62145-2 MSD	10/14/2010 11:55	182934		50	50

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Preparation Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-183262/1-A	10/18/2010 16:18	183262	0.54		50
LCS 680-183262/2-A	10/18/2010 16:18	183262	0.55		50
680-62145-1	10/18/2010 16:18	183262	0.51		50
680-62145-1 MS	10/18/2010 16:18	183262	0.55		50
680-62145-1 MSD	10/18/2010 16:18	183262	0.53		50
LCSD 680-183262/25-A	10/18/2010 17:11	183262	1.0		50

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: ICPD Method: 6010C

Start Date: 10/18/2010 16:35 End Date: 10/19/2010 14:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
STD0 680-183386/1 IC			16:35	X	X	X	X	X	X	X													
STD1 680-183386/2 IC			16:36	X	X	X	X	X	X	X													
ZZZZZZ			16:40																				
ICV 680-183386/4	1		16:49	X	X	X	X	X	X	X													
ICB 680-183386/5	1		16:56	X	X	X	X	X	X	X													
ZZZZZZ			17:08																				
ZZZZZZ			17:20																				
CRI 680-183386/8	1		17:32	X	X	X	X	X	X	X													
ICSA 680-183386/9	1		17:37	X	X	X	X	X	X	X													
ICSAB 680-183386/10	1		17:48	X	X	X	X	X	X	X													
CCV 680-183386/11	1		17:54	X	X	X	X	X	X	X													
CCB 680-183386/12	1		18:03	X	X	X	X	X	X	X													
ZZZZZZ			18:20																				
ZZZZZZ			18:25																				
ZZZZZZ			18:30																				
ZZZZZZ			18:35																				
ZZZZZZ			18:40																				
ZZZZZZ			18:46																				
ZZZZZZ			18:51																				
ZZZZZZ			18:56																				
ZZZZZZ			19:01																				
CCV 680-183386/22			19:06																				
CCB 680-183386/23			19:12																				
ZZZZZZ			19:17																				
ZZZZZZ			19:22																				
ZZZZZZ			19:27																				
ZZZZZZ			19:32																				
ZZZZZZ			19:38																				
ZZZZZZ			19:43																				
ZZZZZZ			19:48																				
ZZZZZZ			19:53																				
CCV 680-183386/32			19:58																				
CCB 680-183386/33			20:03																				
ZZZZZZ			20:09																				
ZZZZZZ			20:14																				
ZZZZZZ			20:19																				
ZZZZZZ			20:24																				
ZZZZZZ			20:30																				
ZZZZZZ			20:35																				
CCV 680-183386/40			20:40																				
CCB 680-183386/41			20:45																				
ZZZZZZ			20:50																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: ICPD Method: 6010C

Start Date: 10/18/2010 16:35 End Date: 10/19/2010 14:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			20:56																				
ZZZZZZ			21:01																				
ZZZZZZ			21:06																				
ZZZZZZ			21:11																				
ZZZZZZ			21:16																				
CCV 680-183386/48			21:22																				
CCB 680-183386/49			21:27																				
ZZZZZZ			21:32																				
ZZZZZZ			21:37																				
ZZZZZZ			21:42																				
ZZZZZZ			21:48																				
ZZZZZZ			21:53																				
ZZZZZZ			21:58																				
ZZZZZZ			22:03																				
ZZZZZZ			22:08																				
ZZZZZZ			22:14																				
ZZZZZZ			22:19																				
CCV 680-183386/60			22:24																				
CCB 680-183386/61			22:29																				
ZZZZZZ			22:34																				
ZZZZZZ			22:40																				
ZZZZZZ			22:45																				
ZZZZZZ			22:50																				
ZZZZZZ			22:55																				
ZZZZZZ			23:01																				
ZZZZZZ			23:06																				
CCV 680-183386/69	1		23:11	X	X	X	X	X	X	X													
CCB 680-183386/70	1		23:16	X	X	X	X	X	X	X													
MB 680-183096/21-A	1	T	23:21	X	X	X	X	X	X	X													
LCS 680-183096/22-A	1	T	23:27	X	X	X	X	X	X	X													
LCSD 680-183096/23-A	1	T	23:32	X	X	X	X	X	X	X													
ZZZZZZ			23:37																				
ZZZZZZ			23:42																				
ZZZZZZ			23:47																				
ZZZZZZ			23:53																				
ZZZZZZ			23:58																				
ZZZZZZ			00:03																				
CCV 680-183386/80	1		00:10	X	X	X	X	X	X	X													
CCB 680-183386/81	1		00:16	X	X	X	X	X	X	X													
ZZZZZZ			00:21																				
ZZZZZZ			00:27																				
ZZZZZZ			00:32																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: ICPD Method: 6010C

Start Date: 10/18/2010 16:35 End Date: 10/19/2010 14:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			00:37																				
ZZZZZZ			00:42																				
ZZZZZZ			00:47																				
ZZZZZZ			00:53																				
680-62060-B-1-A SD	5	T	00:58	X	X	X	X	X	X	X													
680-62060-B-1-A PDS	1	T	01:03	X	X	X	X	X	X	X													
ZZZZZZ			01:08																				
CCV 680-183386/92	1		01:13	X	X	X	X	X	X	X													
CCB 680-183386/93	1		01:19	X	X	X	X	X	X	X													
680-62145-2	1	T	01:24	X	X	X	X	X	X	X													
ZZZZZZ			01:29																				
ZZZZZZ			01:34																				
ZZZZZZ			01:40																				
ZZZZZZ			01:45																				
ZZZZZZ			01:50																				
ZZZZZZ			01:55																				
ZZZZZZ			02:00																				
ZZZZZZ			02:06																				
ZZZZZZ			02:11																				
CCV 680-183386/104	1		02:16	X	X	X	X	X	X	X													
CCB 680-183386/105	1		02:21	X	X	X	X	X	X	X													
ZZZZZZ			02:27																				
680-62103-G-1-C MS	1	T	02:32	X	X	X	X	X	X	X													
680-62103-G-1-D MSD	1	T	02:37	X	X	X	X	X	X	X													
ZZZZZZ			02:42																				
ZZZZZZ			02:49																				
CCV 680-183386/111	1		02:55	X	X	X	X	X	X	X													
CCB 680-183386/112	1		03:02	X	X	X	X	X	X	X													
ZZZZZZ			03:07																				
ZZZZZZ			03:12																				
ZZZZZZ			03:18																				
ZZZZZZ			03:23																				
ZZZZZZ			03:28																				
ZZZZZZ			03:33																				
ZZZZZZ			03:38																				
ZZZZZZ			03:44																				
ZZZZZZ			03:49																				
ZZZZZZ			03:54																				
CCV 680-183386/123			03:59																				
CCB 680-183386/124			04:04																				
ZZZZZZ			04:10																				
ZZZZZZ			04:15																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: ICPD Method: 6010C

Start Date: 10/18/2010 16:35 End Date: 10/19/2010 14:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			04:20																				
ZZZZZZ			04:26																				
ZZZZZZ			04:31																				
ZZZZZZ			04:36																				
ZZZZZZ			04:41																				
ZZZZZZ			04:47																				
CCV 680-183386/133	1		04:52	X	X	X	X	X	X	X													
CCB 680-183386/134	1		04:57	X	X	X	X	X	X	X													
ZZZZZZ			05:02																				
ZZZZZZ			05:07																				
LCS 680-183043/15-A	1	T	05:13	X	X	X	X	X	X	X													
680-62145-1	1	T	05:18	X	X	X	X	X	X	X													
680-62145-1 SD	5	T	05:23	X	X	X	X	X	X	X													
680-62145-1 PDS	1	T	05:28	X	X	X	X	X	X	X													
680-62145-1 MS	1	T	05:34	X	X	X	X	X	X	X													
680-62145-1 MSD	1	T	05:39	X	X	X	X	X		X													
ZZZZZZ			05:44																				
ZZZZZZ			05:49																				
CCV 680-183386/145	1		05:54	X	X	X	X	X	X	X													
CCB 680-183386/146	1		06:00	X	X	X	X	X	X	X													
ZZZZZZ			06:05																				
ZZZZZZ			06:10																				
ZZZZZZ			06:15																				
ZZZZZZ			06:22																				
ZZZZZZ			06:27																				
ZZZZZZ			06:33																				
ZZZZZZ			06:38																				
CCV 680-183386/154			06:43																				
CCB 680-183386/155			06:48																				
ZZZZZZ			06:53																				
ZZZZZZ			06:59																				
ZZZZZZ			07:04																				
ZZZZZZ			07:09																				
ZZZZZZ			07:14																				
ZZZZZZ			07:20																				
ZZZZZZ			07:25																				
CCV 680-183386/163			07:31																				
CCB 680-183386/164			07:38																				
ZZZZZZ			07:43																				
ZZZZZZ			07:48																				
ZZZZZZ			07:54																				
ZZZZZZ			07:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: ICPD Method: 6010C

Start Date: 10/18/2010 16:35 End Date: 10/19/2010 14:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			08:04																				
ZZZZZZ			08:09																				
ZZZZZZ			08:15																				
ZZZZZZ			08:20																				
ZZZZZZ			08:25																				
CCV 680-183386/174			08:32																				
CCB 680-183386/175			08:39																				
ZZZZZZ			08:44																				
ZZZZZZ			08:49																				
ZZZZZZ			08:55																				
ZZZZZZ			09:00																				
ZZZZZZ			09:05																				
ZZZZZZ			09:11																				
ZZZZZZ			09:16																				
CCV 680-183386/183			09:23																				
CCB 680-183386/184			09:30																				
ZZZZZZ			10:02																				
ZZZZZZ			10:06																				
ZZZZZZ			10:10																				
ZZZZZZ			10:15																				
ZZZZZZ			10:29																				
CCV 680-183386/190			10:40																				
CCB 680-183386/191			10:45																				
CCV 680-183386/192			10:51																				
CCB 680-183386/193			10:56																				
ZZZZZZ			11:03																				
ZZZZZZ			11:10																				
ZZZZZZ			11:15																				
ZZZZZZ			11:20																				
ZZZZZZ			11:26																				
ZZZZZZ			11:31																				
ZZZZZZ			11:36																				
ZZZZZZ			11:41																				
ZZZZZZ			11:46																				
ZZZZZZ			11:51																				
CCV 680-183386/204			11:57																				
CCB 680-183386/205			12:06																				
ZZZZZZ			12:11																				
ZZZZZZ			12:16																				
ZZZZZZ			12:21																				
ZZZZZZ			12:26																				
ZZZZZZ			12:32																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: ICPD Method: 6010C

Start Date: 10/18/2010 16:35 End Date: 10/19/2010 14:28

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			12:37																				
CCV 680-183386/212	1		12:42	X	X	X	X	X	X	X													
CCB 680-183386/213	1		12:47	X	X	X	X	X	X	X													
ZZZZZZ			12:52																				
ZZZZZZ			12:58																				
ZZZZZZ			13:03																				
ZZZZZZ			13:08																				
MB 680-183043/13-A	1	T	13:15	X	X	X	X	X	X	X													
ZZZZZZ			13:20																				
ZZZZZZ			13:26																				
CCV 680-183386/221	1		13:34	X	X	X	X	X	X	X													
CCB 680-183386/222	1		13:41	X	X	X	X	X	X	X													
ZZZZZZ			13:56																				
ZZZZZZ			14:01																				
CRI 680-183386/225	1		14:06	X	X	X	X	X	X	X													
ICSA 680-183386/226	1		14:11	X	X	X	X	X	X	X													
ICSAB 680-183386/227	1		14:16	X	X	X	X	X	X	X													
CCV 680-183386/228	1		14:23	X	X	X	X	X	X	X													
CCB 680-183386/229	1		14:28	X	X	X	X	X	X	X													

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: LEEMAN1 Method: 7470A

Start Date: 10/14/2010 10:27 End Date: 10/14/2010 18:39

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD01REP1 680-182968/1 IC			10:27	X																			
STD02REP1 680-182968/2 IC			10:30	X																			
STD03REP1 680-182968/3 IC			10:33	X																			
STD04REP1 680-182968/4 IC			10:37	X																			
STD05REP1 680-182968/5 IC			10:39	X																			
STD06REP1 680-182968/6 IC			10:42	X																			
ZZZZZZ			10:49																				
ZZZZZZ			10:52																				
ZZZZZZ			11:16																				
ICV 680-182968/10	1		11:19	X																			
ICB 680-182968/11	1		11:22	X																			
CCV 680-182968/12	1		11:45	X																			
CCB 680-182968/13	1		11:48	X																			
CRA 680-182968/14	1		11:51	X																			
ZZZZZZ			11:54																				
ZZZZZZ			11:56																				
ZZZZZZ			11:59																				
ZZZZZZ			12:02																				
ZZZZZZ			12:05																				
ZZZZZZ			12:08																				
ZZZZZZ			12:11																				
ZZZZZZ			12:14																				
ZZZZZZ			12:17																				
CCV 680-182968/24	1		12:20	X																			
CCB 680-182968/25	1		12:23	X																			
ZZZZZZ			12:26																				
ZZZZZZ			12:28																				
ZZZZZZ			12:31																				
ZZZZZZ			12:34																				
ZZZZZZ			12:37																				
ZZZZZZ			12:40																				
ZZZZZZ			12:43																				
ZZZZZZ			12:46																				
ZZZZZZ			12:49																				
ZZZZZZ			12:52																				
CCV 680-182968/36			12:55																				
CCB 680-182968/37			12:59																				
ZZZZZZ			13:02																				
ZZZZZZ			13:05																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: LEEMAN1 Method: 7470A

Start Date: 10/14/2010 10:27 End Date: 10/14/2010 18:39

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			13:08																				
ZZZZZZ			13:11																				
ZZZZZZ			13:13																				
ZZZZZZ			13:16																				
ZZZZZZ			13:19																				
ZZZZZZ			13:22																				
ZZZZZZ			13:25																				
ZZZZZZ			13:28																				
CCV 680-182968/48			13:31																				
CCB 680-182968/49			13:34																				
ZZZZZZ			13:38																				
ZZZZZZ			13:41																				
ZZZZZZ			13:44																				
ZZZZZZ			13:47																				
ZZZZZZ			13:50																				
ZZZZZZ			13:53																				
ZZZZZZ			13:56																				
CCV 680-182968/57			14:00																				
CCB 680-182968/58			14:03																				
CCV 680-182968/59			17:13																				
CCB 680-182968/60			17:16																				
ZZZZZZ			17:19																				
ZZZZZZ			17:22																				
ZZZZZZ			17:25																				
ZZZZZZ			17:28																				
ZZZZZZ			17:31																				
ZZZZZZ			17:34																				
ZZZZZZ			17:37																				
ZZZZZZ			17:40																				
ZZZZZZ			17:42																				
ZZZZZZ			17:45																				
CCV 680-182968/71	1		17:48	X																			
CCB 680-182968/72	1		17:51	X																			
ZZZZZZ			17:54																				
MB 680-182934/1-A	1	T	17:57	X																			
LCS 680-182934/2-A	1	T	18:00	X																			
ZZZZZZ			18:03																				
ZZZZZZ			18:06																				
ZZZZZZ			18:09																				
ZZZZZZ			18:12																				
ZZZZZZ			18:15																				
ZZZZZZ			18:18																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: LEEMAN1 Method: 7470A

Start Date: 10/14/2010 10:27 End Date: 10/14/2010 18:39

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
680-62145-2	1	T	18:21	X																			
CCV 680-182968/83	1		18:24	X																			
CCB 680-182968/84	1		18:27	X																			
680-62145-2 MS	1	T	18:30	X																			
680-62145-2 MSD	1	T	18:33	X																			
CCV 680-182968/87	1		18:36	X																			
CCB 680-182968/88	1		18:39	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 10/19/2010 10:44 End Date: 10/20/2010 08:43

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD01REP1 680-183477/1 IC			10:44	X																			
STD02REP1 680-183477/2 IC			10:47	X																			
STD03REP1 680-183477/3 IC			10:50	X																			
STD04REP1 680-183477/4 IC			10:53	X																			
STD05REP1 680-183477/5 IC			10:56	X																			
STD06REP1 680-183477/6 IC			10:59	X																			
ICV 680-183477/7	1		11:01	X																			
ICB 680-183477/8	1		11:04	X																			
CCV 680-183477/9	1		11:21	X																			
CCB 680-183477/10	1		11:24	X																			
CRA 680-183477/11	1		11:27	X																			
ZZZZZZ			11:30																				
ZZZZZZ			11:33																				
ZZZZZZ			11:36																				
ZZZZZZ			11:39																				
ZZZZZZ			11:42																				
ZZZZZZ			11:45																				
ZZZZZZ			11:48																				
ZZZZZZ			11:51																				
ZZZZZZ			11:54																				
CCV 680-183477/21	1		11:57	X																			
CCB 680-183477/22	1		12:01	X																			
ZZZZZZ			12:04																				
ZZZZZZ			12:07																				
ZZZZZZ			12:10																				
ZZZZZZ			12:13																				
ZZZZZZ			12:16																				
ZZZZZZ			12:19																				
ZZZZZZ			12:22																				
ZZZZZZ			12:26																				
ZZZZZZ			12:29																				
ZZZZZZ			12:32																				
CCV 680-183477/33			12:35																				
CCB 680-183477/34			12:38																				
ZZZZZZ			12:41																				
ZZZZZZ			12:43																				
ZZZZZZ			12:47																				
ZZZZZZ			12:49																				
ZZZZZZ			12:53																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 10/19/2010 10:44 End Date: 10/20/2010 08:43

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			12:56																				
ZZZZZZ			12:59																				
ZZZZZZ			13:02																				
ZZZZZZ			13:04																				
ZZZZZZ			13:07																				
CCV 680-183477/45			13:10																				
CCB 680-183477/46			13:13																				
ZZZZZZ			13:16																				
ZZZZZZ			13:19																				
ZZZZZZ			13:23																				
ZZZZZZ			13:25																				
ZZZZZZ			13:28																				
ZZZZZZ			13:31																				
ZZZZZZ			13:34																				
ZZZZZZ			13:37																				
ZZZZZZ			13:40																				
ZZZZZZ			13:43																				
CCV 680-183477/57			13:46																				
CCB 680-183477/58			13:49																				
ZZZZZZ			13:51																				
ZZZZZZ			13:54																				
ZZZZZZ			13:57																				
ZZZZZZ			14:00																				
ZZZZZZ			14:03																				
ZZZZZZ			14:06																				
ZZZZZZ			14:10																				
ZZZZZZ			14:13																				
ZZZZZZ			14:16																				
ZZZZZZ			14:19																				
CCV 680-183477/69			14:22																				
CCB 680-183477/70			14:25																				
ZZZZZZ			14:28																				
ZZZZZZ			14:31																				
ZZZZZZ			14:34																				
ZZZZZZ			14:37																				
ZZZZZZ			14:40																				
ZZZZZZ			14:43																				
ZZZZZZ			14:46																				
ZZZZZZ			14:49																				
ZZZZZZ			14:52																				
ZZZZZZ			14:56																				
CCV 680-183477/81			14:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 10/19/2010 10:44 End Date: 10/20/2010 08:43

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
CCB 680-183477/82			15:02																				
ZZZZZZ			15:05																				
ZZZZZZ			15:08																				
ZZZZZZ			15:12																				
ZZZZZZ			15:15																				
ZZZZZZ			15:18																				
ZZZZZZ			15:21																				
ZZZZZZ			15:24																				
ZZZZZZ			15:27																				
ZZZZZZ			15:30																				
ZZZZZZ			15:33																				
CCV 680-183477/93			15:36																				
CCB 680-183477/94			15:39																				
ZZZZZZ			15:43																				
ZZZZZZ			15:46																				
ZZZZZZ			15:50																				
CCV 680-183477/98			15:53																				
CCB 680-183477/99			15:56																				
CCV 680-183477/100			16:06																				
CCB 680-183477/101			16:08																				
ZZZZZZ			16:11																				
ZZZZZZ			16:14																				
ZZZZZZ			16:17																				
ZZZZZZ			16:20																				
ZZZZZZ			16:23																				
ZZZZZZ			16:26																				
ZZZZZZ			16:29																				
ZZZZZZ			16:32																				
CCV 680-183477/110			16:34																				
CCB 680-183477/111			16:37																				
CCV 680-183477/112	1		17:10	X																			
CCB 680-183477/113	1		17:14	X																			
ZZZZZZ			17:17																				
LCS 680-183262/2-A	1	T	17:20	X																			
LCSD 680-183262/25-A	1	T	17:24	X																			
ZZZZZZ			17:27																				
ZZZZZZ			17:30																				
ZZZZZZ			17:33																				
ZZZZZZ			17:36																				
ZZZZZZ			17:38																				
ZZZZZZ			17:41																				
ZZZZZZ			17:44																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: LEEMAN1 Method: 7471B

Start Date: 10/19/2010 10:44 End Date: 10/20/2010 08:43

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
CCV 680-183477/124	1		17:47	X																			
CCB 680-183477/125	1		17:50	X																			
ZZZZZZ			17:54																				
ZZZZZZ			17:58																				
ZZZZZZ			18:01																				
ZZZZZZ			18:03																				
ZZZZZZ			18:06																				
ZZZZZZ			18:09																				
ZZZZZZ			18:12																				
ZZZZZZ			18:15																				
ZZZZZZ			18:18																				
ZZZZZZ			18:22																				
CCV 680-183477/136			18:25																				
CCB 680-183477/137			18:28																				
ZZZZZZ			18:32																				
ZZZZZZ			18:35																				
ZZZZZZ			18:38																				
ZZZZZZ			18:42																				
ZZZZZZ			18:44																				
CCV 680-183477/143			18:47																				
CCB 680-183477/144			18:50																				
CCV 680-183477/145	1		08:21	X																			
CCB 680-183477/146	1		08:25	X																			
MB 680-183262/1-A	1	T	08:28	X																			
680-62145-1	5	T	08:30	X																			
680-62145-1 MS	5	T	08:33	X																			
680-62145-1 MSD	5	T	08:36	X																			
CCV 680-183477/151	1		08:40	X																			
CCB 680-183477/152	1		08:43	X																			

Prep Types

T = Total/NA

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	HIGH STD 00034	D101810	2PTTR2	10/18/10	16:40	BCB	S	CONC
2	ICVP 00190	D101810	2PTTR2	10/18/10	16:49	BCB	S	CONC
3	ICB	D101810	2PTTR2	10/18/10	16:56	BCB	S	CONC
4	RL ICP 00045	D101810	2PTTR2	10/18/10	17:08	BCB	S	CONC
5	RL ICP 00045	D101810	2PTTR2	10/18/10	17:20	BCB	S	CONC
6	RL ICP 00045	D101810	2PTTR2	10/18/10	17:32	BCB	S	CONC
7	ICSA61 00022	D101810	2PTTR2	10/18/10	17:37	BCB	S	CONC
8	ICSAB61 00038	D101810	2PTTR2	10/18/10	17:48	BCB	S	CONC
9	CCVP	D101810	2PTTR2	10/18/10	17:54	BCB	S	CONC
10	CCB	D101810	2PTTR2	10/18/10	18:03	BCB	S	CONC
11	PBW 182641	D101810	2PTTR2	10/18/10	18:20	BCB	S	CONC
12	LCSW-1	D101810	2PTTR2	10/18/10	18:25	BCB	S	CONC
13	LCSW-1 (RL)	D101810	2PTTR2	10/18/10	18:30	BCB	S	CONC
14	22453-1	D101810	2PTTR2	10/18/10	18:35	BCB	S	CONC
15	22453-1S	D101810	2PTTR2	10/18/10	18:40	BCB	S	CONC
16	22453-1SD	D101810	2PTTR2	10/18/10	18:46	BCB	S	CONC
17	22453-2	D101810	2PTTR2	10/18/10	18:51	BCB	S	CONC
18	61878-1	D101810	2PTTR2	10/18/10	18:56	BCB	S	CONC
19	61929-1	D101810	2PTTR2	10/18/10	19:01	BCB	S	CONC
20	CCV	D101810	2PTTR2	10/18/10	19:06	BCB	S	CONC
21	CCB	D101810	2PTTR2	10/18/10	19:12	BCB	S	CONC
22	61929-3	D101810	2PTTR2	10/18/10	19:17	BCB	S	CONC
23	61929-3 1/10	D101810	2PTTR2	10/18/10	19:22	BCB	S	CONC
24	61931-1	D101810	2PTTR2	10/18/10	19:27	BCB	S	CONC
25	61986-2	D101810	2PTTR2	10/18/10	19:32	BCB	S	CONC
26	61986-2 1/10	D101810	2PTTR2	10/18/10	19:38	BCB	S	CONC
27	61986-1	D101810	2PTTR2	10/18/10	19:43	BCB	S	CONC
28	61986-1 1/10	D101810	2PTTR2	10/18/10	19:48	BCB	S	CONC
29	61993-1	D101810	2PTTR2	10/18/10	19:53	BCB	S	CONC
30	CCV	D101810	2PTTR2	10/18/10	19:58	BCB	S	CONC
31	CCB	D101810	2PTTR2	10/18/10	20:03	BCB	S	CONC
32	61778-1 1/10	D101810	2PTTR2	10/18/10	20:09	BCB	S	CONC
33	61778-1S 1/10	D101810	2PTTR2	10/18/10	20:14	BCB	S	CONC
34	61778-1SD 1/10	D101810	2PTTR2	10/18/10	20:19	BCB	S	CONC
35	61778-3 1/10	D101810	2PTTR2	10/18/10	20:24	BCB	S	CONC
36	61853-1 1/10	D101810	2PTTR2	10/18/10	20:30	BCB	S	CONC
37	61853-3 1/10	D101810	2PTTR2	10/18/10	20:35	BCB	S	CONC
38	CCV	D101810	2PTTR2	10/18/10	20:40	BCB	S	CONC
39	CCB	D101810	2PTTR2	10/18/10	20:45	BCB	S	CONC
40	61938-1 1/20	D101810	2PTTR2	10/18/10	20:50	BCB	S	CONC
41	61938-2 1/20	D101810	2PTTR2	10/18/10	20:56	BCB	S	CONC
42	61938-3 1/20	D101810	2PTTR2	10/18/10	21:01	BCB	S	CONC
43	61960-1 1/10	D101810	2PTTR2	10/18/10	21:06	BCB	S	CONC
44	61960-1S 1/10	D101810	2PTTR2	10/18/10	21:11	BCB	S	CONC
45	61960-1SD 1/10	D101810	2PTTR2	10/18/10	21:16	BCB	S	CONC
46	CCV	D101810	2PTTR2	10/18/10	21:22	BCB	S	CONC
47	CCB	D101810	2PTTR2	10/18/10	21:27	BCB	S	CONC
48	61963-5 1/10	D101810	2PTTR2	10/18/10	21:32	BCB	S	CONC
49	61963-6 1/10	D101810	2PTTR2	10/18/10	21:37	BCB	S	CONC
50	61963-7 1/10	D101810	2PTTR2	10/18/10	21:42	BCB	S	CONC
51	61963-8 1/10	D101810	2PTTR2	10/18/10	21:48	BCB	S	CONC
52	61963-12 1/10	D101810	2PTTR2	10/18/10	21:53	BCB	S	CONC
53	61963-18 1/10	D101810	2PTTR2	10/18/10	21:58	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	61963-19 1/10	D101810	2PTTR2	10/18/10	22:03	BCB	S	CONC
55	61963-20 1/10	D101810	2PTTR2	10/18/10	22:08	BCB	S	CONC
56	61963-21 1/10	D101810	2PTTR2	10/18/10	22:14	BCB	S	CONC
57	61963-22 1/10	D101810	2PTTR2	10/18/10	22:19	BCB	S	CONC
58	CCV	D101810	2PTTR2	10/18/10	22:24	BCB	S	CONC
59	CCB	D101810	2PTTR2	10/18/10	22:29	BCB	S	CONC
60	61963-29 1/10	D101810	2PTTR2	10/18/10	22:34	BCB	S	CONC
61	61963-30 1/10	D101810	2PTTR2	10/18/10	22:40	BCB	S	CONC
62	61963-30S 1/10	D101810	2PTTR2	10/18/10	22:45	BCB	S	CONC
63	61963-30SD 1/10	D101810	2PTTR2	10/18/10	22:50	BCB	S	CONC
64	61963-37 1/10	D101810	2PTTR2	10/18/10	22:55	BCB	S	CONC
65	61963-38 1/10	D101810	2PTTR2	10/18/10	23:01	BCB	S	CONC
66	61963-39 1/10	D101810	2PTTR2	10/18/10	23:06	BCB	S	CONC
67	CCV	D101810	2PTTR2	10/18/10	23:11	BCB	S	CONC
68	CCB	D101810	2PTTR2	10/18/10	23:16	BCB	S	CONC
69	PBW 183096	D101810	2PTTR2	10/18/10	23:21	BCB	S	CONC
70	LCSW-1	D101810	2PTTR2	10/18/10	23:27	BCB	S	CONC
71	LCSW-2	D101810	2PTTR2	10/18/10	23:32	BCB	S	CONC
72	61963-36	D101810	2PTTR2	10/18/10	23:37	BCB	S	CONC
73	61963-36 1/10	D101810	2PTTR2	10/18/10	23:42	BCB	S	CONC
74	61963-40	D101810	2PTTR2	10/18/10	23:47	BCB	S	CONC
75	61963-40 1/10	D101810	2PTTR2	10/18/10	23:53	BCB	S	CONC
76	61963-41	D101810	2PTTR2	10/18/10	23:58	BCB	S	CONC
77	61963-41 1/10	D101810	2PTTR2	10/19/10	00:03	BCB	S	CONC
78	CCV	D101810	2PTTR2	10/19/10	00:10	BCB	S	CONC
79	CCB	D101810	2PTTR2	10/19/10	00:16	BCB	S	CONC
80	61963-42	D101810	2PTTR2	10/19/10	00:21	BCB	S	CONC
81	61963-42 1/10	D101810	2PTTR2	10/19/10	00:27	BCB	S	CONC
82	61963-43	D101810	2PTTR2	10/19/10	00:32	BCB	S	CONC
83	61963-43 1/10	D101810	2PTTR2	10/19/10	00:37	BCB	S	CONC
84	61943-1	D101810	2PTTR2	10/19/10	00:42	BCB	S	CONC
85	61943-1 1/10	D101810	2PTTR2	10/19/10	00:47	BCB	S	CONC
86	62060-1	D101810	2PTTR2	10/19/10	00:53	BCB	S	CONC
87	62060-1L	D101810	2PTTR2	10/19/10	00:58	BCB	S	CONC
88	62060-1A	D101810	2PTTR2	10/19/10	01:03	BCB	S	CONC
89	62060-2	D101810	2PTTR2	10/19/10	01:08	BCB	S	CONC
90	CCV	D101810	2PTTR2	10/19/10	01:13	BCB	S	CONC
91	CCB	D101810	2PTTR2	10/19/10	01:19	BCB	S	CONC
92	62145-2	D101810	2PTTR2	10/19/10	01:24	BCB	S	CONC
93	61984-1	D101810	2PTTR2	10/19/10	01:29	BCB	S	CONC
94	61984-2	D101810	2PTTR2	10/19/10	01:34	BCB	S	CONC
95	61984-3	D101810	2PTTR2	10/19/10	01:40	BCB	S	CONC
96	61984-4	D101810	2PTTR2	10/19/10	01:45	BCB	S	CONC
97	62105-1	D101810	2PTTR2	10/19/10	01:50	BCB	S	CONC
98	62105-2	D101810	2PTTR2	10/19/10	01:55	BCB	S	CONC
99	62105-3	D101810	2PTTR2	10/19/10	02:00	BCB	S	CONC
100	62105-4	D101810	2PTTR2	10/19/10	02:06	BCB	S	CONC
101	62105-5	D101810	2PTTR2	10/19/10	02:11	BCB	S	CONC
102	CCV	D101810	2PTTR2	10/19/10	02:16	BCB	S	CONC
103	CCB	D101810	2PTTR2	10/19/10	02:21	BCB	S	CONC
104	62103-1	D101810	2PTTR2	10/19/10	02:27	BCB	S	CONC
105	62103-1S	D101810	2PTTR2	10/19/10	02:32	BCB	S	CONC
106	62103-1SD	D101810	2PTTR2	10/19/10	02:37	BCB	S	CONC
107	62048-1	D101810	2PTTR2	10/19/10	02:42	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	62048-1 1/10	D101810	2PTTR2	10/19/10	02:49	BCB	S	CONC
109	CCV	D101810	2PTTR2	10/19/10	02:55	BCB	S	CONC
110	CCB	D101810	2PTTR2	10/19/10	03:02	BCB	S	CONC
111	PBW 183180	D101810	2PTTR2	10/19/10	03:07	BCB	S	CONC
112	PBW II	D101810	2PTTR2	10/19/10	03:12	BCB	S	CONC
113	LCSW-1	D101810	2PTTR2	10/19/10	03:18	BCB	S	CONC
114	61701-2	D101810	2PTTR2	10/19/10	03:23	BCB	S	CONC
115	61701-2L	D101810	2PTTR2	10/19/10	03:28	BCB	S	CONC
116	61701-2A	D101810	2PTTR2	10/19/10	03:33	BCB	S	CONC
117	61701-2S	D101810	2PTTR2	10/19/10	03:38	BCB	S	CONC
118	61701-2SD	D101810	2PTTR2	10/19/10	03:44	BCB	S	CONC
119	62077-8	D101810	2PTTR2	10/19/10	03:49	BCB	S	CONC
120	62077-41	D101810	2PTTR2	10/19/10	03:54	BCB	S	CONC
121	CCV	D101810	2PTTR2	10/19/10	03:59	BCB	S	CONC
122	CCB	D101810	2PTTR2	10/19/10	04:04	BCB	S	CONC
123	62136-1	D101810	2PTTR2	10/19/10	04:10	BCB	S	CONC
124	62171-1	D101810	2PTTR2	10/19/10	04:15	BCB	S	CONC
125	62115-1	D101810	2PTTR2	10/19/10	04:20	BCB	S	CONC
126	62115-2	D101810	2PTTR2	10/19/10	04:26	BCB	S	CONC
127	62115-3	D101810	2PTTR2	10/19/10	04:31	BCB	S	CONC
128	62115-4	D101810	2PTTR2	10/19/10	04:36	BCB	S	CONC
129	62112-1	D101810	2PTTR2	10/19/10	04:41	BCB	S	CONC
130	62145-1	D101810	2PTTR2	10/19/10	04:47	BCB	S	CONC
131	CCV	D101810	2PTTR2	10/19/10	04:52	BCB	S	CONC
132	CCB	D101810	2PTTR2	10/19/10	04:57	BCB	S	CONC
133	PBW 183043	D101810	2PTTR2	10/19/10	05:02	BCB	S	CONC
134	PBW 50	D101810	2PTTR2	10/19/10	05:07	BCB	S	CONC
135	LCSW-1	D101810	2PTTR2	10/19/10	05:13	BCB	S	CONC
136	62145-1	D101810	2PTTR2	10/19/10	05:18	BCB	S	CONC
137	62145-1L	D101810	2PTTR2	10/19/10	05:23	BCB	S	CONC
138	62145-1A	D101810	2PTTR2	10/19/10	05:28	BCB	S	CONC
139	62145-1S	D101810	2PTTR2	10/19/10	05:34	BCB	S	CONC
140	62145-1SD	D101810	2PTTR2	10/19/10	05:39	BCB	S	CONC
141	62146-1	D101810	2PTTR2	10/19/10	05:44	BCB	S	CONC
142	62146-2	D101810	2PTTR2	10/19/10	05:49	BCB	S	CONC
143	CCV	D101810	2PTTR2	10/19/10	05:54	BCB	S	CONC
144	CCB	D101810	2PTTR2	10/19/10	06:00	BCB	S	CONC
145	61966-1	D101810	2PTTR2	10/19/10	06:05	BCB	S	CONC
146	62095-1	D101810	2PTTR2	10/19/10	06:10	BCB	S	CONC
147	62025-1	D101810	2PTTR2	10/19/10	06:15	BCB	S	CONC
148	62115-1	D101810	2PTTR2	10/19/10	06:22	BCB	S	CONC
149	62115-2	D101810	2PTTR2	10/19/10	06:27	BCB	S	CONC
150	62115-3	D101810	2PTTR2	10/19/10	06:33	BCB	S	CONC
151	62115-4	D101810	2PTTR2	10/19/10	06:38	BCB	S	CONC
152	CCV	D101810	2PTTR2	10/19/10	06:43	BCB	S	CONC
153	CCB	D101810	2PTTR2	10/19/10	06:48	BCB	S	CONC
154	PBW 182771	D101810	2PTTR2	10/19/10	06:53	BCB	S	CONC
155	LCSW-1	D101810	2PTTR2	10/19/10	06:59	BCB	S	CONC
156	LCSW-2	D101810	2PTTR2	10/19/10	07:04	BCB	S	CONC
157	61970-1	D101810	2PTTR2	10/19/10	07:09	BCB	S	CONC
158	61970-2	D101810	2PTTR2	10/19/10	07:14	BCB	S	CONC
159	61970-3	D101810	2PTTR2	10/19/10	07:20	BCB	S	CONC
160	61970-4	D101810	2PTTR2	10/19/10	07:25	BCB	S	CONC
161	CCV	D101810	2PTTR2	10/19/10	07:31	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
162	CCB	D101810	2PTTR2	10/19/10	07:38	BCB	S	CONC
163	61970-5	D101810	2PTTR2	10/19/10	07:43	BCB	S	CONC
164	61970-6	D101810	2PTTR2	10/19/10	07:48	BCB	S	CONC
165	61970-7	D101810	2PTTR2	10/19/10	07:54	BCB	S	CONC
166	61970-8	D101810	2PTTR2	10/19/10	07:59	BCB	S	CONC
167	61970-9	D101810	2PTTR2	10/19/10	08:04	BCB	S	CONC
168	61970-10	D101810	2PTTR2	10/19/10	08:09	BCB	S	CONC
169	61970-11	D101810	2PTTR2	10/19/10	08:15	BCB	S	CONC
170	61970-12	D101810	2PTTR2	10/19/10	08:20	BCB	S	CONC
171	61970-13	D101810	2PTTR2	10/19/10	08:25	BCB	S	CONC
172	CCV	D101810	2PTTR2	10/19/10	08:32	BCB	S	CONC
173	CCB	D101810	2PTTR2	10/19/10	08:39	BCB	S	CONC
174	61970-14	D101810	2PTTR2	10/19/10	08:44	BCB	S	CONC
175	61970-15	D101810	2PTTR2	10/19/10	08:49	BCB	S	CONC
176	61970-16	D101810	2PTTR2	10/19/10	08:55	BCB	S	CONC
177	61970-17	D101810	2PTTR2	10/19/10	09:00	BCB	S	CONC
178	61970-18	D101810	2PTTR2	10/19/10	09:05	BCB	S	CONC
179	61970-19	D101810	2PTTR2	10/19/10	09:11	BCB	S	CONC
180	61970-20	D101810	2PTTR2	10/19/10	09:16	BCB	S	CONC
181	CCV	D101810	2PTTR2	10/19/10	09:23	BCB	S	CONC
182	CCB	D101810	2PTTR2	10/19/10	09:30	BCB	S	CONC
183	61878-1	D101810	2PTTR2	10/19/10	10:02	BCB	S	CONC
184	61938-1 1/100	D101810	2PTTR2	10/19/10	10:06	BCB	S	CONC
185	61938-2 1/100	D101810	2PTTR2	10/19/10	10:10	BCB	S	CONC
186	61938-2 1/500	D101810	2PTTR2	10/19/10	10:15	BCB	S	CONC
187	61938-3 1/500	D101810	2PTTR2	10/19/10	10:29	BCB	S	CONC
188	CCV	D101810	2PTTR2	10/19/10	10:40	BCB	S	CONC
189	CCB	D101810	2PTTR2	10/19/10	10:45	BCB	S	CONC
190	CCV	D101810	2PTTR2	10/19/10	10:51	BCB	S	CONC
191	CCB	D101810	2PTTR2	10/19/10	10:56	BCB	S	CONC
192	PBW 183192	D101810	2PTTR2	10/19/10	11:03	BCB	S	CONC
193	PBW 183192	D101810	2PTTR2	10/19/10	11:10	BCB	S	CONC
194	LCSW-1	D101810	2PTTR2	10/19/10	11:15	BCB	S	CONC
195	62237-1	D101810	2PTTR2	10/19/10	11:20	BCB	S	CONC
196	62237-2	D101810	2PTTR2	10/19/10	11:26	BCB	S	CONC
197	62237-3	D101810	2PTTR2	10/19/10	11:31	BCB	S	CONC
198	62237-4	D101810	2PTTR2	10/19/10	11:36	BCB	S	CONC
199	62237-5	D101810	2PTTR2	10/19/10	11:41	BCB	S	CONC
200	62237-6	D101810	2PTTR2	10/19/10	11:46	BCB	S	CONC
201	62237-7	D101810	2PTTR2	10/19/10	11:51	BCB	S	CONC
202	CCV	D101810	2PTTR2	10/19/10	11:57	BCB	S	CONC
203	CCB	D101810	2PTTR2	10/19/10	12:06	BCB	S	CONC
204	62237-8	D101810	2PTTR2	10/19/10	12:11	BCB	S	CONC
205	62237-8L	D101810	2PTTR2	10/19/10	12:16	BCB	S	CONC
206	62237-8A	D101810	2PTTR2	10/19/10	12:21	BCB	S	CONC
207	62190-1	D101810	2PTTR2	10/19/10	12:26	BCB	S	CONC
208	62190-1S	D101810	2PTTR2	10/19/10	12:32	BCB	S	CONC
209	62190-1SD	D101810	2PTTR2	10/19/10	12:37	BCB	S	CONC
210	CCV	D101810	2PTTR2	10/19/10	12:42	BCB	S	CONC
211	CCB	D101810	2PTTR2	10/19/10	12:47	BCB	S	CONC
212	61963-36 1/100	D101810	2PTTR2	10/19/10	12:52	BCB	S	CONC
213	61963-43 1/100	D101810	2PTTR2	10/19/10	12:58	BCB	S	CONC
214	62048-1 1/100	D101810	2PTTR2	10/19/10	13:03	BCB	S	CONC
215	61970-16 1/10	D101810	2PTTR2	10/19/10	13:08	BCB	S	CONC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
216	PBS 183043	D101810	2PTTR2	10/19/10	13:15	BCB	S	CONC
217	62095-1	D101810	2PTTR2	10/19/10	13:20	BCB	S	CONC
218	62025-1	D101810	2PTTR2	10/19/10	13:26	BCB	S	CONC
219	CCV	D101810	2PTTR2	10/19/10	13:34	BCB	S	CONC
220	CCB	D101810	2PTTR2	10/19/10	13:41	BCB	S	CONC
221	62048-1 1/500	D101810	2PTTR2	10/19/10	13:56	BCB	S	CONC
222	61878-1	D101810	2PTTR2	10/19/10	14:01	BCB	S	CONC
223	RL ICP	D101810	2PTTR2	10/19/10	14:06	BCB	S	CONC
224	ICSA61	D101810	2PTTR2	10/19/10	14:11	BCB	S	CONC
225	ICSAB61	D101810	2PTTR2	10/19/10	14:16	BCB	S	CONC
226	CCV	D101810	2PTTR2	10/19/10	14:23	BCB	S	CONC
227	CCB	D101810	2PTTR2	10/19/10	14:28	BCB	S	CONC

#	Sample Name	Ag	Al	2Al	As	B	Ba
1	HIGH STD 00034	988.57	9934.7	9.9347	1004.0	9987.1	9974.3
2	ICVP 00190	986.14	994.42	.99447	1012.8	1015.3	1013.3
3	ICB	.89984	-10.519	-.01051	1.2441	5.7584	.16217
4	RL ICP 00045	10.732	194.02	.19403	15.083	101.47	10.450
5	RL ICP 00045	9.7569	195.77	.19578	22.556	100.80	10.376
6	RL ICP 00045	10.296	209.67	.20968	21.914	105.20	10.717
7	ICSA61 00022	1.0348	501700.	501.69	2.7526	14.372	1.2322
8	ICSAB61 00038	216.61	500690.	500.67	110.22	12.501	538.57
9	CCVP	504.93	4942.4	4.9421	506.08	5091.7	5082.3
10	CCB	.59791	1.7105	.00171	-1.5849	3.2328	.10516
11	PBW 182641	-.00089	1.8431	.00184	.32183	-.65369	.14850
12	LCSW-1	47.821	1987.7	1.9877	2056.1	1016.2	2063.4
13	LCSW-1 (RL)	10.669	217.62	.21763	24.625	109.11	12.129
14	22453-1	1.4495	4.7014	.00470	2.4490	29.941	48.029
15	22453-1S	50.043	2007.7	2.0078	2091.3	1048.9	2113.0
16	22453-1SD	50.631	2031.5	2.0314	2123.6	1064.9	2136.9
17	22453-2	.78303	10.043	.01004	2.7498	32.160	48.850
18	61878-1	-.86638	.00426	.00000	17.977	40.122	87.523
19	61929-1	.03306	-.88046	-.00088	19.409	37.025	74.555
20	CCV	498.07	4924.0	4.9239	505.71	5053.7	5019.8
21	CCB	-1.1005	-7.1962	-.00719	-.94611	9.7116	.87860
22	61929-3	-.01757	-.54264	-.00054	-2.4819	84.072	42.611
23	61929-3 1/10	.18349	-6.6631	-.00666	-2.0740	7.7793	4.5841
24	61931-1	-.05133	-1.9509	-.00195	2.9560	165.61	6.6001
25	61986-2	.88906	-1.0974	-.00109	5.4352	75.856	29.820
26	61986-2 1/10	1.0124	-12.175	-.01217	-2.7379	3.2564	3.0609
27	61986-1	.24730	-1.5466	-.00154	.02121	89.434	26.446
28	61986-1 1/10	.66010	-3.9450	-.00394	2.4677	6.4277	3.0071
29	61993-1	.91087	8.9640	.00896	7.5527	154.80	5.5570
30	CCV	502.55	4983.3	4.9834	500.76	5034.3	5064.3
31	CCB	-.04832	-9.4697	-.00947	-2.5443	10.022	2.3954
32	61778-1 1/10	-.34111	46.795	.04679	1.2088	189.76	3.1367
33	61778-1S 1/10	4.6645	298.34	.29835	215.15	301.55	218.73
34	61778-1SD 1/10	2.7299	308.31	.30832	220.90	309.49	223.42
35	61778-3 1/10	.19500	26.023	.02602	2.3818	-1.7162	22.693
36	61853-1 1/10	.01397	35.324	.03532	-2.7117	198.76	3.2477
37	61853-3 1/10	-.13450	7.7347	.00773	-1.1467	-.55638	25.306
38	CCV	503.86	5016.6	5.0166	499.77	4990.2	5090.9
39	CCB	.88517	-10.990	-.01099	1.9010	8.8816	1.7225
40	61938-1 1/20	1.0396	-1.8692	-.00186	3.1470	28.398	5.2558
41	61938-2 1/20	.59137	-6.1529	-.00615	-.75835	195.73	3.3957
42	61938-3 1/20	.46253	568.90	.56884	12.795	812.02	4.9171
43	61960-1 1/10	1.5829	106.53	.10653	-6.0171	9.5788	5.0862
44	61960-1S 1/10	5.5767	333.08	.33310	210.70	110.91	216.30
45	61960-1SD 1/10	4.8233	342.62	.34264	206.09	108.20	216.19
46	CCV	503.23	5030.8	5.0310	509.71	5047.0	5061.8
47	CCB	.71538	-8.8734	-.00887	-.10121	7.3709	1.5681
48	61963-5 1/10	-.04519	3313.1	3.3131	-.65765	32.250	6.0437
49	61963-6 1/10	1.6080	6178.3	6.1784	-1.1866	36.447	10.362
50	61963-7 1/10	.45755	2070.4	2.0703	-1.4168	18.463	7.0086
51	61963-8 1/10	.57823	2832.6	2.8328	2.9590	36.229	8.8637
52	61963-12 1/10	-.43117	270.58	.27060	2.3117	26.217	3.2751
53	61963-18 1/10	.69997	394.02	.39404	.65516	19.890	1.9712

#	Sample Name	Ag	Al	2Al	As	B	Ba
54	61963-19 1/10	1.3071	85.219	.08522	-1.5015	15.970	6.5336
55	61963-20 1/10	-1.5754	163.73	.16374	4.3176	14.532	.20540
56	61963-21 1/10	1.4283	504.82	.50485	3.6960	48.560	2.2128
57	61963-22 1/10	.48948	79.943	.07994	2.0253	16.913	6.8309
58	CCV	497.07	4953.6	4.9536	505.13	5024.4	4973.0
59	CCB	1.1422	-17.515	-.01751	2.1188	6.0285	.94224
60	61963-29 1/10	.51163	445.54	.44557	2.5154	28.870	3.7008
61	61963-30 1/10	1.2333	525.80	.52583	-.69744	27.897	3.8469
62	61963-30S 1/10	5.4689	838.10	.83815	209.79	126.39	214.51
63	61963-30SD 1/10	5.5719	908.27	.90833	216.67	133.33	218.40
64	61963-37 1/10	.39290	1817.7	1.8176	3.2712	18.004	6.1037
65	61963-38 1/10	.92370	1207.2	1.2072	2.4015	18.766	8.8686
66	61963-39 1/10	1.1047	191.53	.19154	2.0076	22.397	9.5280
67	CCV	504.22	5028.7	5.0288	508.06	5091.6	5023.2
68	CCB	.03583	-8.2666	-.00826	-.28986	9.2178	1.4299
69	PBW 183096	-.10836	-7.0803	-.00708	.14311	.85940	.06769
70	LCSW-1	43.908	1985.1	1.9851	1998.1	971.75	2012.7
71	LCSW-2	44.489	2016.7	2.0168	2032.0	974.17	2046.3
72	61963-36	-.29315	1.2570	.00125	9.4839	2294.4	15.259
73	61963-36 1/10	.59526	-7.5586	-.00755	-1.3863	227.35	1.6990
74	61963-40	.79689	4.7340	.00473	3.5960	445.92	16.400
75	61963-40 1/10	.24519	-10.848	-.01084	1.4769	41.375	1.6716
76	61963-41	.48356	7.3375	.00733	10.829	449.62	16.559
77	61963-41 1/10	.51705	-10.022	-.01002	.80521	41.182	1.8052
78	CCV	495.45	4975.9	4.9759	498.82	5003.2	4977.7
79	CCB	.48691	-11.606	-.01160	.25838	3.4708	.77865
80	61963-42	-.12854	8.9486	.00894	4.5326	848.75	16.413
81	61963-42 1/10	.89003	-14.860	-.01486	1.8356	80.619	1.9384
82	61963-43	-.61254	.10151	.00010	-.24054	1964.0	38.768
83	61963-43 1/10	.79398	-6.1233	-.00612	2.8193	188.15	4.0857
84	61943-1	3.1868	H1437e3	1437.5	39.316	228.48	6.8002
85	61943-1 1/10	.75599	294070.	294.07	9.6248	41.152	1.1391
86	62060-1	.93759	1157.6	1.1576	-1.3695	17.789	22.762
87	62060-1L	.49824	261.51	.26152	.41695	1.4579	4.6614
88	62060-1A	43.623	3204.9	3.2051	2015.2	910.81	2067.6
89	62060-2	1.0708	867.52	.86757	5.7708	20.626	11.500
90	CCV	502.04	5014.8	5.0146	511.55	5022.9	5042.5
91	CCB	.46218	-15.596	-.01559	1.0391	7.7383	1.0383
92	62145-2	-.16413	3189.3	3.1893	.28236	83.023	43.452
93	61984-1	.61208	94.617	.09462	-.90272	658.32	63.247
94	61984-2	-.01467	122.47	.12247	3.5612	14396.	91.577
95	61984-3	.15927	79.617	.07962	1.6366	95.796	46.420
96	61984-4	.98570	83.088	.08309	-.57910	80.383	48.142
97	62105-1	.01548	477.90	.47793	2.4572	21.815	99.259
98	62105-2	.64255	134.64	.13464	2.3768	8.8131	28.379
99	62105-3	-.25404	373.73	.37375	2.6528	7.8043	33.268
100	62105-4	1.1572	200.95	.20096	-4.0785	26.944	64.963
101	62105-5	.22780	8366.0	8.3660	7.7995	23.573	104.16
102	CCV	499.11	4982.8	4.9827	500.00	5014.2	4997.6
103	CCB	.45520	-10.545	-.01054	1.4279	7.7855	.73963
104	62103-1	1.2375	1744.4	1.7445	4.9631	452.96	86.193
105	62103-1S	44.471	3736.3	3.7364	2038.0	1407.3	2076.5
106	62103-1SD	46.728	4094.6	4.0946	2167.5	1499.5	2190.5
107	62048-1	1.9228	2021.3	2.0214	43.446	989.40	348.71

#	Sample Name	Ag	Al	2Al	As	B	Ba
108	62048-1 1/10	1.0721	215.37	.21538	3.5128	97.895	34.507
109	CCV	502.10	5021.7	5.0219	506.10	5044.6	5012.6
110	CCB	.50776	-14.279	-.01428	-2.1265	5.6457	.70402
111	PBW 183180	.72301	-4.0211	-.00402	3.9591	5.1735	.39872
112	PBW II	.61845	-11.867	-.01186	2.2469	13.049	.31977
113	LCSW-1	47.384	2064.0	2.0642	2152.0	1031.6	2107.4
114	61701-2	.31838	2.4179	.00241	1.4884	6.6673	22.682
115	61701-2L	-.16462	-8.6593	-.00865	3.3443	-2.0387	4.7737
116	61701-2A	45.570	2000.2	2.0002	2044.4	903.90	2043.5
117	61701-2S	47.729	2064.6	2.0645	2130.0	1025.3	2118.6
118	61701-2SD	46.377	2066.9	2.0669	2121.6	973.56	2110.8
119	62077-8	.59465	18.133	.01813	2.2329	25.290	15.828
120	62077-41	1.2351	9.6269	.00962	3.3257	15.233	3.1579
121	CCV	504.96	5058.8	5.0588	509.58	5080.2	5046.6
122	CCB	.56525	.43957	.00043	.75771	8.9205	1.3276
123	62136-1	-.01238	1418.9	1.4188	-2.0219	27.669	11823.
124	62171-1	.29316	1582.2	1.5822	-1.5127	9.4322	1456.3
125	62115-1	.05185	2904.5	2.9043	-.24217	43.480	142.26
126	62115-2	.42066	3312.3	3.3125	-2.1708	166.20	142.54
127	62115-3	.66471	4166.2	4.1663	.12318	122.01	295.73
128	62115-4	2.4329	17956.	17.956	1.0549	1098.7	89.815
129	62112-1	-1.0216	-5.8897	-.00589	1.8913	14.561	35.715
130	62145-1	.38767	59.212	.05921	3.3435	15.220	80.324
131	CCV	503.81	5042.1	5.0419	509.09	5051.3	5016.4
132	CCB	-.34458	-13.345	-.01334	-.71562	10.270	1.3500
133	PBW 183043	1.1429	-3.8913	-.00389	.36584	1.3216	.42029
134	PBW 50	.73430	-2.7140	-.00271	2.5424	1.5853	.15295
135	LCSW-1	46.899	2107.1	2.1071	2103.0	1015.4	2142.8
136	62145-1	56.442	65273.	65.272	26.248	63.896	1404.9
137	62145-1L	11.509	13382.	13.382	4.7371	13.860	284.00
138	62145-1A	99.682	65856.	65.855	2025.8	942.93	3378.7
139	62145-1S	88.329	66881.	66.880	1961.9	970.31	3559.9
140	62145-1SD	119.88	60752.	60.754	2099.3	1069.4	4077.0
141	62146-1	.28278	58096.	58.099	6.6978	12.805	146.66
142	62146-2	.80379	61192.	61.192	16.392	13.429	256.19
143	CCV	503.28	5104.7	5.1048	502.54	5017.6	5038.6
144	CCB	.35621	.10262	.00010	.92099	9.9121	1.6248
145	61966-1	92.016	100510.	100.52	13.357	20040.	382.25
146	62095-1	.68789	8.3431	.00834	3.1263	82.241	1.6338
147	62025-1	3.2193	61.780	.06178	56.792	25.009	7.1081
148	62115-1	35.827	254820.	254.82	13.613	2233.7	18154.
149	62115-2	43.156	271370.	271.37	11.898	2201.1	18441.
150	62115-3	40.878	271500.	271.50	17.094	2381.8	19014.
151	62115-4	42.072	234810.	234.80	53.128	5985.4	4395.3
152	CCV	500.89	5132.1	5.1322	495.19	4974.3	5035.5
153	CCB	6.3326	10.555	.01055	-.50781	12.981	3.3241
154	PBW 182771	-.37774	-10.303	-.01030	-1.3695	4.4823	.08364
155	LCSW-1	49.267	2145.1	2.1451	2125.2	1035.0	2164.7
156	LCSW-2	49.121	2083.9	2.0839	2061.9	1003.7	2107.5
157	61970-1	.51071	570.62	.57066	.80858	12.401	53.801
158	61970-2	1.9267	5516.3	5.5166	.13617	73.204	430.22
159	61970-3	1.4726	9700.7	9.7009	2.0046	75.317	76.824
160	61970-4	.50540	13649.	13.650	-.38592	24.997	201.15
161	CCV	503.60	5080.3	5.0805	503.27	5007.3	5022.9

#	Sample Name	Ag	Al	2Al	As	B	Ba
162	CCB	.11526	-10.500	-.01050	1.0124	5.2900	.85970
163	61970-5	1.7212	41646.	41.647	-2.0332	57.680	592.41
164	61970-6	2.4713	6197.2	6.1971	3.1900	68.134	664.50
165	61970-7	1.8274	4563.9	4.5641	3.9803	4.4042	8.3184
166	61970-8	1.6030	5467.4	5.4673	-2.1756	4.1024	1068.8
167	61970-9	.20336	3195.9	3.1959	8.2074	6.5262	7.2182
168	61970-10	.25497	53462.	53.464	.70584	133.56	3387.3
169	61970-11	.15690	7684.9	7.6851	-1.0152	14.102	1268.5
170	61970-12	5.1144	52644.	52.645	2.4486	109.35	514.11
171	61970-13	1.4866	86696.	86.696	4.5902	83.250	540.89
172	CCV	505.02	5149.8	5.1496	506.99	5034.1	5032.8
173	CCB	-.31721	-12.312	-.01231	-.45182	2.8739	1.0359
174	61970-14	7.4751	144960.	144.97	6.3851	134.81	454.62
175	61970-15	.14612	19297.	19.297	.00795	1.5925	51.586
176	61970-16	1.9038	4312.8	4.3128	79.179	142.24	147.54
177	61970-17	1.9113	9279.1	9.2793	-.69667	210.08	37.869
178	61970-18	1.4579	36948.	36.948	1.8265	256.56	248.62
179	61970-19	-.09952	8549.2	8.5492	.50811	80.450	26.645
180	61970-20	1.4758	189.28	.18928	-2.3513	251.11	16.691
181	CCV	504.32	5164.3	5.1642	506.69	4993.1	5054.8
182	CCB	.43313	-11.540	-.01154	.65309	3.5960	.88459
183	61878-1	-.16251	-8.1847	-.00818	18.115	37.136	87.466
184	61938-1 1/100	.93875	6.6896	.00668	-.29608	1.0052	1.0750
185	61938-2 1/100	.84886	-8.7689	-.00876	3.7281	36.532	.69158
186	61938-2 1/500	.43400	-7.0205	-.00702	4.6282	4.7923	.23161
187	61938-3 1/500	.83787	24.077	.02407	-.47341	39.153	.34898
188	CCV	501.87	5148.7	5.1486	498.83	4940.8	5055.8
189	CCB	2.9852	-12.976	-.01297	-3.2359	6.8409	.95705
190	CCV	500.77	5110.0	5.1103	501.01	4958.6	5028.8
191	CCB	-.03688	-12.489	-.01248	1.9106	10.007	.36404
192	PBW 183192	13.389	548.04	.54807	551.16	264.54	560.85
193	PBW 183192	.88844	-7.2745	-.00727	-3.8801	-2.6713	.33910
194	LCSW-1	46.073	2095.0	2.0951	2041.3	986.29	2094.6
195	62237-1	.68279	35263.	35.263	28.674	12.069	116.46
196	62237-2	.49847	46157.	46.158	24.301	15.053	143.37
197	62237-3	1.5764	48268.	48.271	23.539	12.861	148.11
198	62237-4	.22557	45852.	45.852	23.736	13.295	140.58
199	62237-5	.79855	41974.	41.974	20.834	12.321	134.94
200	62237-6	.82431	52463.	52.464	23.854	16.463	151.78
201	62237-7	.77394	41039.	41.039	20.302	12.694	139.22
202	CCV	500.80	5119.8	5.1198	503.65	4997.6	5036.0
203	CCB	.23910	-.65067	-.00065	-1.8308	1.8611	1.2725
204	62237-8	2.0314	44046.	44.047	22.283	15.698	138.58
205	62237-8L	-.07420	8848.7	8.8487	4.7790	2.1874	27.608
206	62237-8A	43.279	1962.9	1.9630	1928.8	877.69	1958.3
207	62190-1	1.8072	61270.	61.274	66.912	28.412	643.17
208	62190-1S	45.992	75118.	75.121	2098.1	1000.7	2917.1
209	62190-1SD	45.064	73266.	73.268	2041.9	975.00	2674.4
210	CCV	502.98	5171.7	5.1719	505.00	5003.4	5069.7
211	CCB	-.81708	-2.2044	-.00220	.44804	7.0038	1.1402
212	61963-36 1/100	.76928	3.5954	.00359	-.98349	26.754	.95429
213	61963-43 1/100	.49161	-5.8072	-.00580	-.73426	17.240	.30098
214	62048-1 1/100	.18082	17.540	.01754	2.6239	7.3341	3.4037
215	61970-16 1/10	-.77617	434.59	.43461	9.3629	17.561	14.576

#	Sample Name	Ag	Al	2Al	As	B	Ba
216	PBS 183043	.60903	3.9466	.00394	-.47618	-.09203	.21418
217	62095-1	-.16254	12.655	.01265	1.2591	53.138	1.5488
218	62025-1	3.1833	68.344	.06834	52.483	8.1352	7.4718
219	CCV	501.56	5116.3	5.1162	498.81	4989.3	5065.8
220	CCB	.54010	-3.2046	-.00320	3.9587	2.8113	.85829
221	62048-1 1/500	.92316	27.818	.02781	.61725	-.51295	1.0019
222	61878-1	-.34639	7.9687	.00796	11.708	36.040	87.807
223	RL ICP	10.270	219.67	.21968	21.959	101.61	10.219
224	ICSA61	-.51958	506540.	506.54	-.21514	12.402	.77012
225	ICSAB61	214.65	506410.	506.42	102.74	12.933	535.45
226	CCV	501.00	5052.1	5.0518	505.72	5026.4	5042.5
227	CCB	-.52664	4.0482	.00404	-2.1638	11.528	.05510

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
1	HIGH STD 00034	1000.7	9727.1	997.34	1000.9	10018.	9944.1
2	ICVP 00190	1004.9	995.45	1008.0	1008.7	1015.0	1011.9
3	ICB	.02222	-1.8230	.32427	-.21031	-.94059	-.17632
4	RL ICP 00045	3.9064	493.23	5.0489	8.7272	8.7839	18.610
5	RL ICP 00045	3.9299	497.18	4.9694	9.5095	8.8809	20.120
6	RL ICP 00045	4.0757	516.69	5.1301	9.6994	9.9220	21.754
7	ICSA61 00022	.07963	552520.	.41461	.68616	1.4083	1.5168
8	ICSAB61 00038	546.48	555220.	1025.3	503.59	514.39	544.39
9	CCVP	514.37	5018.6	508.69	511.09	5104.5	5032.5
10	CCB	-.03827	3.8717	-.60190	.15471	-.56884	-.90557
11	PBW 182641	-.04221	10.696	-.00003	.25605	.71559	-.64478
12	LCSW-1	51.927	5071.7	52.659	523.63	208.19	251.68
13	LCSW-1 (RL)	4.2451	545.20	5.5506	10.945	10.174	21.627
14	22453-1	-.00408	9304.8	.10610	.54553	.08579	9.6161
15	22453-1S	52.557	14550.	52.485	528.56	209.20	262.40
16	22453-1SD	53.392	14407.	53.625	537.62	212.75	265.37
17	22453-2	.01969	9493.9	.02736	.09497	-.06504	1.9357
18	61878-1	-.09073	28479.	-.61381	.03141	-.58928	-.77790
19	61929-1	-.03462	29044.	-.03195	-.52650	-.14864	.27078
20	CCV	509.59	4966.6	502.74	509.38	5058.3	4983.8
21	CCB	.05056	1.3285	-.16967	.40562	.70042	1.2640
22	61929-3	.00209	52291.	-.16269	-.56630	.09965	-.16936
23	61929-3 1/10	.00945	5359.8	.00307	-.09709	-.23139	.47950
24	61931-1	-.00051	36286.	.09245	.17066	-.20975	2.2285
25	61986-2	.01044	49120.	.00111	.27055	-.02252	1.0932
26	61986-2 1/10	-.03303	4877.7	.15795	-1.1310	-1.4239	-1.2442
27	61986-1	-.03641	49291.	-.20286	.11593	-.15958	.46316
28	61986-1 1/10	-.00436	4956.3	.06534	.54463	-.82350	.18826
29	61993-1	.02721	48084.	-.29392	.09935	-.09424	3.9712
30	CCV	505.39	4944.3	495.15	504.39	5021.6	5048.8
31	CCB	.18895	5.4128	.32642	-.37779	1.0722	3.5057
32	61778-1 1/10	.04952	10207.	-.10623	3.5818	1.5551	1.3703
33	61778-1S 1/10	5.2805	11177.	4.8976	58.070	23.103	29.867
34	61778-1SD 1/10	5.2100	11554.	4.6451	58.454	22.922	28.704
35	61778-3 1/10	-.03203	5479.1	.42558	-.32958	15.283	.40967
36	61853-1 1/10	-.06138	10901.	.08758	3.9714	.56487	.45275
37	61853-3 1/10	-.03076	5868.1	-.06994	.23752	17.338	.69418
38	CCV	496.97	4881.6	485.44	498.79	4958.2	5075.7

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
39	CCB	.14486	3.3363	-.06523	-.39033	1.6658	1.4900
40	61938-1 1/20	.00794	36945.	-.15203	.25899	.57637	2.2065
41	61938-2 1/20	-.01075	28936.	-.06653	-.24454	-.57790	-.29125
42	61938-3 1/20	.01447	14885.	.01875	1.1624	7.3383	1.1090
43	61960-1 1/10	.05392	561.11	-.02891	-.99695	-1.5422	1.2389
44	61960-1S 1/10	5.1440	1101.0	5.2609	52.487	20.215	28.033
45	61960-1SD 1/10	5.1728	1063.1	5.3865	53.295	20.379	28.250
46	CCV	506.15	4982.7	496.83	509.62	5046.5	5058.9
47	CCB	.16113	3.7445	-.10428	.15588	1.0525	1.2268
48	61963-5 1/10	.14246	92931.	-.16042	-.36963	10.156	22.779
49	61963-6 1/10	.27584	105290.	.14751	.43818	16.795	18.964
50	61963-7 1/10	.10385	114380.	.47331	.91461	8.0665	19.245
51	61963-8 1/10	.07549	98980.	1.4579	.23642	20.185	83.840
52	61963-12 1/10	.02730	152100.	-.09876	.46797	3.4907	6.8968
53	61963-18 1/10	.01087	45249.	.06491	.59390	2.6099	10.834
54	61963-19 1/10	.04850	207500.	.10942	-.06569	.80628	1.7969
55	61963-20 1/10	-.04838	3863.8	-.50499	-.02729	.50260	3.3294
56	61963-21 1/10	.06402	12062.	.11504	.40502	2.1643	12.134
57	61963-22 1/10	.06632	315200.	-.16074	-.11759	.56282	4.0552
58	CCV	506.76	4996.6	498.38	508.70	5038.3	4979.9
59	CCB	.09825	5.8978	-.00398	-.64229	-.02684	.05349
60	61963-29 1/10	.00452	86168.	.42621	.33352	5.4972	3.6285
61	61963-30 1/10	.06172	106990.	.36695	.17252	4.7220	1.9375
62	61963-30S 1/10	5.3490	103250.	5.2940	52.972	23.271	28.528
63	61963-30SD 1/10	5.4545	91233.	5.5049	54.491	23.954	28.696
64	61963-37 1/10	.06252	207920.	-.26687	1.6200	7.1939	14.609
65	61963-38 1/10	.10655	236490.	-.11294	.23233	3.9019	7.2245
66	61963-39 1/10	.10961	284760.	.25424	-.27050	3.6407	1.8424
67	CCV	513.00	5060.3	503.88	514.68	5093.4	5036.6
68	CCB	.11351	5.5691	-.23202	-.20656	1.1627	1.4348
69	PBW 183096	.01698	10.316	-.09347	-.37599	.28560	.54995
70	LCSW-1	50.217	4998.8	50.551	512.37	202.45	250.20
71	LCSW-2	50.942	4984.0	50.829	519.54	206.64	254.43
72	61963-36	.01656	242540.	-.04312	.89513	-.10150	3.2978
73	61963-36 1/10	-.03963	24500.	-.44705	-.14646	.13415	.69488
74	61963-40	.00667	93170.	-.06435	.96935	1.0637	10.146
75	61963-40 1/10	.00925	9261.3	-.06858	.34615	-.27420	.64941
76	61963-41	.02311	93438.	-.08517	1.4926	1.7995	10.366
77	61963-41 1/10	.00439	9225.4	-.07846	.25265	.30521	1.4953
78	CCV	503.51	4990.1	495.54	507.41	5013.5	4981.9
79	CCB	.04062	2.7379	-.02772	.44108	-.04104	.13233
80	61963-42	-.01356	143500.	.04326	-.55667	1.3807	21.249
81	61963-42 1/10	-.00396	14121.	-.02397	-.11206	-.62175	2.3888
82	61963-43	.00534	214060.	-.08852	-.17166	3.8800	4.6372
83	61963-43 1/10	-.00656	21068.	.03238	.00387	.19343	1.5256
84	61943-1	19.614	268420.	20.624	3005.7	1112.3	1533.5
85	61943-1 1/10	3.5165	46636.	3.6389	561.42	207.43	273.90
86	62060-1	.02475	2164.5	.27281	.34414	2.8404	.97619
87	62060-1L	.00530	461.90	.00169	.26299	.72262	-.07638
88	62060-1A	50.493	6724.9	50.364	514.14	205.75	253.10
89	62060-2	.05727	1590.2	-.13055	.29512	3.6969	.83613
90	CCV	505.01	5008.9	496.74	506.92	5036.3	5042.6
91	CCB	.08322	3.1044	-.10618	.72637	.84646	.69079
92	62145-2	.14483	7330.6	.39003	1.7636	21.453	25.462

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
93	61984-1	.03259	28771.	-.15093	.33093	.66000	2.3046
94	61984-2	-.00459	23517.	.00182	2.9348	1.3839	3.6542
95	61984-3	.12287	1905.7	.31185	.35140	.53260	.58504
96	61984-4	.14605	2149.5	-.37714	1.5186	-.11269	.95596
97	62105-1	.05101	11979.	.12716	10.849	1.8469	389.05
98	62105-2	-.00876	9437.8	-.03522	.68278	.47426	2.5271
99	62105-3	.03002	9840.6	-.16613	1.1469	1.0171	9.3057
100	62105-4	.03875	5449.1	.42796	4.2989	.78491	1577.6
101	62105-5	.21643	23197.	.11567	20.164	10.293	1257.7
102	CCV	503.29	5009.1	496.86	507.18	5028.5	4994.8
103	CCB	.04214	4.0856	-.12030	.66674	.69395	.96483
104	62103-1	.08040	111340.	.40977	3.1115	3.2479	13.733
105	62103-1S	50.549	108900.	49.390	504.33	204.61	263.13
106	62103-1SD	53.580	115810.	52.059	535.35	216.14	277.92
107	62048-1	.63407	14735.	1.9030	4.7608	7.2775	67.202
108	62048-1 1/10	.05999	1536.0	.14276	.17568	.65250	7.1813
109	CCV	507.93	5050.8	502.52	511.05	5067.4	5025.0
110	CCB	.02702	4.0256	.22511	.27669	.01851	-.34569
111	PBW 183180	-.03906	96.788	.18907	.34706	.04353	-.21576
112	PBW II	-.03077	77.781	-.15868	-.34886	.29357	-.14821
113	LCSW-1	53.924	5327.9	54.350	545.58	214.96	268.95
114	61701-2	-.00864	1614.6	.02965	.06402	.08336	.41670
115	61701-2L	.00285	324.12	-.44036	.54855	.05713	-.80933
116	61701-2A	51.213	6111.5	51.562	517.80	204.58	256.02
117	61701-2S	53.503	7195.2	53.821	540.58	213.18	266.74
118	61701-2SD	53.119	6487.7	52.848	538.24	212.73	266.09
119	62077-8	-.00261	5536.4	-.16275	-.43308	-.26720	2.6766
120	62077-41	-.00823	1266.1	.54643	.14658	-.07739	1.6838
121	CCV	510.88	5082.6	504.99	513.60	5096.9	5049.8
122	CCB	.13576	4.6891	.10789	.14408	-.14824	.85283
123	62136-1	-.02347	537.13	.42234	3.0776	2.4636	60.106
124	62171-1	-.01331	247.10	.15767	.24134	1.1557	26.900
125	62115-1	-.00130	89246.	-.30467	.34927	391.72	.52518
126	62115-2	.00636	107670.	-.05456	.46979	540.05	.51231
127	62115-3	.04070	131080.	.02787	.41074	667.87	.66985
128	62115-4	-.02058	46071.	-.35737	.16512	1148.6	1.4373
129	62112-1	-.00404	102880.	.30768	1.5107	.40461	56.381
130	62145-1	.03074	13093.	19.548	1.9838	5.3805	26.986
131	CCV	508.07	5061.3	502.37	511.11	5065.0	5030.0
132	CCB	.11755	5.5978	.31367	-.67626	.84617	.05414
133	PBW 183043	-.00365	112.81	-.08555	.52330	-.12492	.73205
134	PBW 50	-.02680	43.560	-.84958	.25850	1.7361	5.5969
135	LCSW-1	52.825	5262.8	52.770	537.77	214.88	266.30
136	62145-1	3.4432	101550.	158.81	54.155	3307.6	2238.7
137	62145-1L	.69026	20305.	32.024	11.450	670.87	444.91
138	62145-1A	53.489	104120.	204.81	556.48	3441.0	2444.7
139	62145-1S	52.450	33763.	158.64	550.26	8420.6	1817.1
140	62145-1SD	55.170	52327.	235.62	581.16	5375.9	3945.0
141	62146-1	2.5141	8153.7	.12423	31.949	83.227	45.090
142	62146-2	2.6673	21765.	.25783	47.916	133.48	103.64
143	CCV	501.24	5008.9	493.15	504.97	5018.6	5058.0
144	CCB	.12418	5.6684	-.28872	.40871	2.2097	2.7329
145	61966-1	1.0988	176290.	136.44	13.655	961.89	3459.3
146	62095-1	.00034	1110.8	.00097	-.45191	5.2834	1.0298

Analysis Report Averages 10/27/10 12:36:45 PM

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
147	62025-1	.48370	1383.6	2.5574	32.616	1948.9	658.91
148	62115-1	7.0286	H1840e3	118.43	86.780	1673.0	1340.8
149	62115-2	7.9694	H1878e3	146.47	92.536	1864.4	1340.5
150	62115-3	7.5576	H1922e3	138.76	88.705	1861.6	1365.7
151	62115-4	4.3788	H2154e3	150.46	150.00	2775.6	3292.1
152	CCV	492.11	5154.0	482.45	496.21	4946.8	5063.1
153	CCB	.29937	133.46	1.2885	.90321	1.2596	1.9938
154	PBW 182771	-.01950	32.355	-.01920	.22466	.47877	1.4316
155	LCSW-1	53.085	5198.4	52.609	541.29	216.32	270.98
156	LCSW-2	51.544	5047.8	51.213	527.13	210.30	263.76
157	61970-1	.00683	624.29	-.32754	220.15	13.792	137.32
158	61970-2	.10641	97253.	3.4486	390.66	328.90	90.466
159	61970-3	.13004	50407.	.68346	445.64	66.771	1620.5
160	61970-4	.21998	439390.	.76574	443.93	325.80	28.284
161	CCV	500.08	4956.5	491.44	503.14	5007.7	5063.6
162	CCB	.09924	12.786	.28515	-.17070	.52171	.54256
163	61970-5	.39937	430010.	.67514	312.08	115.06	29.673
164	61970-6	.21202	55674.	8.0724	583.57	373.61	100.73
165	61970-7	.05738	93973.	-.04317	1.1548	4.3453	26.189
166	61970-8	.06005	5528.3	.05040	1.4686	3.8880	7.6333
167	61970-9	.04902	4966.2	.08628	9.8689	2.1883	5.3460
168	61970-10	.45625	H1019e3	2.7030	4.4324	21.414	53.270
169	61970-11	.19159	472360.	.20941	21.045	2.2864	5.7808
170	61970-12	1.4143	H2222e3	7.1928	412.66	940.80	111.24
171	61970-13	.65127	H1288e3	3.6715	649.36	2530.6	176.99
172	CCV	503.14	5138.5	493.17	509.16	5047.2	5076.5
173	CCB	.09542	45.394	.10878	.55905	1.3242	1.4540
174	61970-14	.94365	H1159e3	28.057	840.93	410.10	1018.2
175	61970-15	.03994	122.14	-.02710	6.2514	1919.7	8.4582
176	61970-16	.07486	83181.	23.934	287.03	227.26	51.181
177	61970-17	.08103	13719.	5.0039	129.51	31.822	46.052
178	61970-18	.27286	517020.	1.3472	150.51	1750.2	41.076
179	61970-19	.05187	71667.	2.5785	1.9399	11.967	7.9252
180	61970-20	.01556	2455.8	5.3615	156.94	6.3152	23.646
181	CCV	497.27	4925.5	488.74	504.20	4997.0	5088.7
182	CCB	.10515	7.7584	.53831	.16688	-.03928	1.6507
183	61878-1	.02858	27796.	.40679	.01186	-.69931	1.3337
184	61938-1 1/100	.00769	7300.3	.05176	.16634	-.11170	2.1722
185	61938-2 1/100	-.00452	5778.8	.06234	-.48450	.10950	.54606
186	61938-2 1/500	-.01394	1172.1	.02549	.82307	.90918	1.0967
187	61938-3 1/500	.00987	755.93	-.16274	.52124	.76410	.96341
188	CCV	488.03	4861.8	481.27	494.21	4919.8	5083.1
189	CCB	.11974	6.6708	.74095	-.90310	-.37723	-1.373
190	CCV	491.45	4877.0	483.62	497.10	4941.5	5055.1
191	CCB	.01585	1.1763	.35609	.08292	-.65079	.27968
192	PBW 183192	13.453	1322.2	13.878	137.31	53.820	68.25
193	PBW 183192	.00639	9.8665	-.13869	-.75890	-1.1553	-.796
194	LCSW-1	50.791	4995.3	51.312	520.24	207.28	260.9
195	62237-1	1.0489	365.77	-.07943	6.6874	207.39	38.16
196	62237-2	1.3835	623.24	.22456	9.3544	168.29	32.29
197	62237-3	1.6070	524.37	.16792	9.9345	191.80	36.52
198	62237-4	1.5465	522.77	-.15852	10.210	169.66	32.54
199	62237-5	1.2619	977.86	.11487	9.7515	166.04	31.0
200	62237-6	1.5146	529.32	.13855	10.214	189.78	34.2

#	Sample Name	Be	Ca	Cd	Co	Cr	Cu
201	62237-7	1.2300	649.24	-.01480	8.2610	157.73	31.417
202	CCV	500.84	4947.9	498.40	504.96	5030.0	5030.4
203	CCB	.10245	3.2566	-.15130	.47679	1.5098	1.8533
204	62237-8	1.3041	796.90	.32349	9.6267	179.68	31.651
205	62237-8L	.23790	163.63	-.31399	1.2608	35.093	5.1607
206	62237-8A	47.734	4343.3	49.080	486.86	193.65	238.92
207	62190-1	4.1019	29615.	3.3686	62.873	142.51	900.02
208	62190-1S	55.264	39686.	53.697	590.13	397.86	1210.2
209	62190-1SD	53.653	36453.	52.865	566.49	382.66	1206.5
210	CCV	500.13	4948.9	499.16	505.92	5029.8	5051.3
211	CCB	.01998	2.9396	-.30276	-.27135	.12698	.22557
212	61963-36 1/100	.03717	2604.9	.15936	.13986	-.24016	.04971
213	61963-43 1/100	-.05391	2156.1	-.39214	-.71227	.24683	-.33562
214	62048-1 1/100	-.05433	145.36	.16708	-.08811	-.52859	.37446
215	61970-16 1/10	-.03684	8113.8	1.7977	29.251	23.790	7.4364
216	PBS 183043	.01503	58.595	.20059	.98397	.17478	.50391
217	62095-1	-.04955	1125.2	-.16989	-.63336	5.8540	1.4002
218	62025-1	.47428	1380.5	2.2154	32.026	1978.6	656.70
219	CCV	499.35	4914.1	497.14	502.47	5005.5	5045.5
220	CCB	.02580	-.23662	-.18642	.19344	.18588	.45213
221	62048-1 1/500	.00897	34.781	.18698	-.01929	-.10383	-.60514
222	61878-1	.01031	28301.	-.14389	-.98041	-.83312	-2.0089
223	RL ICP	3.9391	511.70	4.7739	10.493	10.115	21.251
224	ICSA61	.03959	552730.	-.29133	.76802	.62014	2.0838
225	ICSAB61	538.02	552690.	1031.9	500.77	512.14	541.28
226	CCV	504.70	4988.4	506.41	505.61	5049.8	5009.3
227	CCB	-.06994	-2.6662	-.15270	-.06485	-.24453	-.87900

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
1	HIGH STD 00034	9942.1	9.9421	19963.	10012.	10.012	9994.5
2	ICVP 00190	993.16	.99345	19357.	1002.0	1.0021	1010.4
3	ICB	3.0274	.00302	13.627	-8.6628	-.00866	-.21759
4	RL ICP 00045	59.339	.05933	1000.7	486.51	.48636	9.5800
5	RL ICP 00045	71.854	.07184	978.03	492.73	.49258	9.6713
6	RL ICP 00045	51.038	.05103	994.52	514.52	.51436	10.308
7	ICSA61 00022	202340.	202.30	22.323	532290.	532.05	-1.1967
8	ICSAB61 00038	203340.	203.30	1.3452	534860.	534.62	516.74
9	CCVP	5097.6	5.0976	9675.3	5118.0	5.1180	5100.8
10	CCB	7.2467	.00724	1.3989	-2.8584	-.00285	-.07341
11	PBW 182641	11.432	.01143	-1.2536	-4.3314	-.00433	.08610
12	LCSW-1	1036.8	1.0369	4790.4	5133.3	5.1319	519.06
13	LCSW-1 (RL)	74.234	.07422	1113.9	535.07	.53491	11.091
14	22453-1	34.882	.03487	3225.6	3503.6	3.5026	.81413
15	22453-1S	1085.2	1.0853	8363.2	8705.0	8.7026	526.53
16	22453-1SD	1106.9	1.1070	8379.9	8748.7	8.7463	534.21
17	22453-2	115.28	.11526	3190.4	3247.6	3.2466	27.317
18	61878-1	89.370	.08935	3993.6	11429.	11.426	6.4607
19	61929-1	165.87	.16585	3974.2	10623.	10.620	8.0856
20	CCV	5022.5	5.0225	9510.1	5118.6	5.1186	5060.5
21	CCB	-8.4535	-.00845	-17.760	-7.2545	-.00725	.94555
22	61929-3	103.02	.10300	9481.4	35038.	35.028	12.281
23	61929-3 1/10	1.6623	.00166	816.03	3589.5	3.5885	1.4777

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
24	61931-1	28.420	.02841	6684.5	8695.0	8.6926	6.7914
25	61986-2	11.679	.01167	5773.7	35172.	35.162	.25363
26	61986-2 1/10	4.8571	.00485	516.62	3450.5	3.4496	.06798
27	61986-1	-7.9510	-.00795	9098.3	39039.	39.028	.13214
28	61986-1 1/10	15.529	.01552	803.03	3903.9	3.9028	.17110
29	61993-1	974.37	.97424	1713.3	12944.	12.940	14.870
30	CCV	5026.2	5.0262	9643.8	5037.9	5.0380	5050.8
31	CCB	7.3649	.00736	2.9695	-2.7499	-.00274	2.1712
32	61778-1 1/10	519.59	.51952	73.217	4049.5	4.0489	1539.6
33	61778-1S 1/10	626.98	.62692	586.20	4731.2	4.7306	1665.4
34	61778-1SD 1/10	622.38	.62232	559.51	4870.6	4.8700	1727.7
35	61778-3 1/10	113.08	.11306	98.239	1481.8	1.4814	69.881
36	61853-1 1/10	833.15	.83304	75.692	4189.9	4.1893	1646.0
37	61853-3 1/10	99.888	.09987	82.936	1565.4	1.5649	28.848
38	CCV	4941.4	4.9414	9789.6	4947.0	4.9471	5014.5
39	CCB	7.3671	.00736	11.965	-5.7623	-.00576	1.5788
40	61938-1 1/20	271.00	.27096	8372.9	36156.	36.144	2.3698
41	61938-2 1/20	24.990	.02498	21894.	55246.	55.227	-.02786
42	61938-3 1/20	77.438	.07742	H54325.	6589.0	6.5871	26.548
43	61960-1 1/10	152.46	.15243	646.00	134.39	.13432	6.0533
44	61960-1S 1/10	257.67	.25765	1138.7	669.28	.66907	59.351
45	61960-1SD 1/10	266.49	.26647	1111.9	649.66	.64945	59.186
46	CCV	5031.0	5.0310	9682.5	5111.1	5.1111	5081.0
47	CCB	12.380	.01237	15.372	-5.7671	-.00576	1.2246
48	61963-5 1/10	2687.4	2.6870	532.75	3609.8	3.6083	13.277
49	61963-6 1/10	4068.8	4.0682	1100.6	5033.8	5.0317	18.606
50	61963-7 1/10	3022.3	3.0219	398.94	4681.6	4.6797	21.415
51	61963-8 1/10	10381.	10.380	661.24	4567.5	4.5644	35.578
52	61963-12 1/10	253.69	.25365	408.18	3349.6	3.3487	2.4211
53	61963-18 1/10	620.83	.62075	352.33	1681.3	1.6807	3.6316
54	61963-19 1/10	109.58	.10956	490.35	925.43	.92515	2.9227
55	61963-20 1/10	345.46	.34541	321.16	1334.9	1.3344	1.2719
56	61963-21 1/10	723.91	.72382	475.29	2801.9	2.8010	2.1014
57	61963-22 1/10	434.80	.43474	264.49	1037.2	1.0369	4.4030
58	CCV	5036.5	5.0365	9548.4	5145.4	5.1454	5062.2
59	CCB	4.2327	.00423	17.983	-11.744	-.01174	.57089
60	61963-29 1/10	381.64	.38159	503.12	3276.2	3.2752	3.1685
61	61963-30 1/10	384.82	.38477	453.80	5682.8	5.6812	5.1214
62	61963-30S 1/10	512.32	.51227	981.37	6183.6	6.1818	59.270
63	61963-30SD 1/10	542.19	.54214	1025.5	6626.0	6.6241	60.257
64	61963-37 1/10	2428.4	2.4281	289.95	2237.1	2.2360	19.351
65	61963-38 1/10	898.62	.89850	267.68	4104.4	4.1031	17.649
66	61963-39 1/10	420.46	.42040	192.50	4929.8	4.9284	27.217
67	CCV	5101.7	5.1017	9624.8	5229.5	5.2295	5120.4
68	CCB	-16.385	-.01638	-1.2703	-5.7744	-.00576	1.4323
69	PBW 183096	3.5906	.00358	8.8263	-7.2580	-.00725	-.04269
70	LCSW-1	1014.6	1.0147	4705.3	5028.8	5.0275	508.73
71	LCSW-2	1027.6	1.0277	4688.7	5001.4	5.0001	516.49
72	61963-36	167.46	.16743	H218990.	H645140.	644.92	12.584
73	61963-36 1/10	12.557	.01255	24370.	65119.	65.096	1.3911
74	61963-40	28.112	.02810	H39873.	78886.	78.859	-.38321
75	61963-40 1/10	8.5566	.00855	3430.3	7928.7	7.9264	.06042
76	61963-41	23.957	.02395	H39839.	79203.	79.178	.16410
77	61963-41 1/10	24.553	.02454	3470.1	7848.2	7.8460	.21477

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
78	CCV	5008.7	5.0087	9632.2	5136.8	5.1368	5043.5
79	CCB	11.131	.01113	6.4744	-5.7707	-.00577	.37108
80	61963-42	68.706	.06869	H44991.	95300.	95.268	.41831
81	61963-42 1/10	28.797	.02879	3888.0	9559.5	9.5568	.19775
82	61963-43	57.275	.05726	H169560.	474510.	474.34	-1.9716
83	61963-43 1/10	32.634	.03263	16753.	46613.	46.600	.00190
84	61943-1	125620.	125.61	3116.4	169350.	169.29	28237.
85	61943-1 1/10	23726.	23.723	452.50	31484.	31.474	5375.4
86	62060-1	3750.8	3.7503	392.04	2468.4	2.4670	6.0100
87	62060-1L	782.99	.78289	88.578	506.04	.50576	1.7081
88	62060-1A	4777.0	4.7766	4862.4	7073.9	7.0713	520.58
89	62060-2	1649.4	1.6492	1048.2	1051.3	1.0508	6.8151
90	CCV	5043.6	5.0436	10025.	5130.8	5.1308	5078.8
91	CCB	-3.0011	-.00300	-.34844	-4.2346	-.00423	.96072
92	62145-2	39836.	39.829	H38148.	7183.2	7.1743	240.57
93	61984-1	136.00	.13598	3976.9	1036.8	1.0365	6.4011
94	61984-2	41182.	41.176	2069.8	9103.4	9.0937	115.32
95	61984-3	40.408	.04040	553.66	2629.9	2.6292	4.9817
96	61984-4	50.451	.05044	575.83	2734.7	2.7339	5.1439
97	62105-1	10100.	10.099	5502.9	2280.4	2.2793	2911.5
98	62105-2	719.51	.71942	1852.6	3288.3	3.2875	562.45
99	62105-3	1099.3	1.0991	1895.7	3390.7	3.3899	888.86
100	62105-4	702.33	.70224	1447.2	843.40	.84326	490.92
101	62105-5	6214.4	6.2136	16136.	1979.8	1.9784	536.35
102	CCV	5023.6	5.0236	9883.0	5145.0	5.1450	5058.7
103	CCB	21.272	.02126	6.0625	-7.2841	-.00728	.63351
104	62103-1	2263.5	2.2632	17684.	29572.	29.563	79.020
105	62103-1S	3009.8	3.0096	21430.	32613.	32.603	582.93
106	62103-1SD	3259.1	3.2589	22673.	34777.	34.765	617.64
107	62048-1	2152.8	2.1525	H408170.	8949.5	8.9476	2240.2
108	62048-1 1/10	228.11	.22808	H59634.	979.59	.97937	222.77
109	CCV	5071.8	5.0718	9976.6	5197.2	5.1972	5093.5
110	CCB	14.575	.01457	5.1075	-8.9034	-.00890	.44703
111	PBW 183180	11.934	.01193	40.396	6.7838	.00677	.13795
112	PBW II	-12.090	-.01208	15.237	15.859	.01585	.19789
113	LCSW-1	1090.0	1.0901	5708.6	5255.8	5.2544	537.65
114	61701-2	-10.203	-.01020	170.32	303.97	.30388	10.834
115	61701-2L	-1.7721	-.00177	34.644	51.218	.05120	2.0468
116	61701-2A	1038.8	1.0389	4956.2	4829.3	4.8280	522.04
117	61701-2S	1062.2	1.0623	5827.5	5577.8	5.5763	546.23
118	61701-2SD	1075.0	1.0751	5452.4	5226.1	5.2247	541.03
119	62077-8	21.751	.02174	737.30	888.63	.88840	66.328
120	62077-41	17.846	.01784	570.19	241.00	.24094	23.425
121	CCV	5098.4	5.0984	9980.5	5222.1	5.2221	5120.6
122	CCB	15.215	.01521	18.116	-7.3201	-.00732	1.2018
123	62136-1	92.426	.09241	150.58	105.66	.10563	48.861
124	62171-1	1924.9	1.9247	84.428	25.994	.02565	25.169
125	62115-1	-1.7305	-.00173	H63589.	46.073	.04606	.87098
126	62115-2	7.3372	.00733	H62553.	38.377	.03836	.17656
127	62115-3	28.992	.02898	H88022.	33.570	.03355	.34620
128	62115-4	22.836	.02282	H391700.	7.0773	.00707	.23691
129	62112-1	7.8955	.00789	328.64	1133.3	1.1330	115.10
130	62145-1	1401.1	1.4009	397.79	298.33	.29805	122.42
131	CCV	5076.7	5.0767	9943.8	5189.4	5.1894	5089.5

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
132	CCB	-.44764	-.00044	8.0277	-8.8833	-.00888	1.0183
133	PBW 183043	66.919	.06691	31.178	-2.6356	-.00264	1.1068
134	PBW 50	97.292	.09727	24.499	.59636	.00057	1.4289
135	LCSW-1	1106.0	1.1061	4991.3	5245.8	5.2444	538.97
136	62145-1	428600.	428.52	4014.1	30601.	30.517	3889.3
137	62145-1L	86665.	86.646	780.61	6200.2	6.1836	789.56
138	62145-1A	420350.	420.27	8598.1	34540.	34.457	4318.3
139	62145-1S	459170.	459.08	8323.0	30028.	29.942	6554.9
140	62145-1SD	585710.	585.61	9376.5	26517.	26.409	4470.5
141	62146-1	76696.	76.686	11470.	21335.	21.316	1427.5
142	62146-2	105400.	105.38	18176.	29757.	29.731	1754.6
143	CCV	5018.8	5.0188	10027.	5117.6	5.1176	5066.4
144	CCB	10.629	.01062	4.2391	-1.0546	-.00105	1.7048
145	61966-1	9777.2	9.7760	1709.3	8709.2	8.7051	124.98
146	62095-1	76.870	.07686	H63243.	1864.3	1.8638	8.5976
147	62025-1	1106.8	1.1067	97.788	185.42	.18535	386.79
148	62115-1	140320.	140.30	H407130.	202280.	202.23	H68931.
149	62115-2	152260.	152.22	H433300.	196170.	196.10	H66854.
150	62115-3	147910.	147.89	H437930.	208340.	208.28	H71959.
151	62115-4	76115.	76.098	H748970.	493230.	493.11	H182360.
152	CCV	4925.3	4.9253	10380.	5072.8	5.0728	5107.6
153	CCB	96.049	.09603	183.33	24.560	.02454	12.170
154	PBW 182771	34.522	.03451	17.345	-1.0238	-.00102	.57229
155	LCSW-1	1101.8	1.1019	5095.2	5299.4	5.2979	548.10
156	LCSW-2	1075.1	1.0752	4889.5	5138.5	5.1371	531.87
157	61970-1	27025.	27.021	62.300	214.58	.20977	23.788
158	61970-2	61761.	61.751	14209.	7999.9	7.9870	393.32
159	61970-3	4874.0	4.8735	4339.2	3849.4	3.8475	69.471
160	61970-4	5691.4	5.6908	1668.8	13746.	13.741	275.68
161	CCV	4974.5	4.9745	10097.	5102.3	5.1023	5081.1
162	CCB	8.7365	.00873	22.723	-7.3470	-.00734	.50875
163	61970-5	9177.8	9.1768	6463.3	18756.	18.750	246.89
164	61970-6	57732.	57.720	2629.6	1960.0	1.9495	424.71
165	61970-7	968.25	.96812	659.85	1713.0	1.7124	22.731
166	61970-8	2151.0	2.1507	1108.5	517.10	.51658	15.640
167	61970-9	606.94	.60686	269.28	288.01	.28782	11.507
168	61970-10	36480.	36.474	9618.9	18697.	18.685	291.35
169	61970-11	1021.4	1.0212	1529.4	7658.7	7.6564	132.65
170	61970-12	21030.	21.027	18339.	37226.	37.212	444.45
171	61970-13	21051.	21.047	6711.1	20944.	20.934	339.93
172	CCV	5031.9	5.0319	10191.	5182.2	5.1822	5112.9
173	CCB	-.02385	-.00002	2.5509	-4.1834	-.00418	1.0380
174	61970-14	91077.	91.062	H52778.	19639.	19.618	567.99
175	61970-15	232.30	.23225	63.879	21.258	.02121	4.1326
176	61970-16	46838.	46.829	930.51	1228.0	1.2195	90.479
177	61970-17	26968.	26.964	3910.3	5980.5	5.9741	93.654
178	61970-18	24960.	24.956	4321.3	8408.6	8.4020	257.22
179	61970-19	2044.4	2.0441	981.59	1090.1	1.0894	28.059
180	61970-20	264.55	.26456	882.99	1380.6	1.3802	38.969
181	CCV	4959.8	4.9598	10374.	5091.8	5.0918	5061.5
182	CCB	-2.7521	-.00275	1.1773	-8.9836	-.00898	.94366
183	61878-1	118.65	.11863	4367.8	11218.	11.215	6.4545
184	61938-1 1/100	71.719	.07170	1568.6	7185.3	7.1833	.62880
185	61938-2 1/100	14.948	.01494	4118.6	11126.	11.123	.08099

#	Sample Name	Fe	2Fe	K	Mg	2Mg	Mn
186	61938-2 1/500	15.458	.01545	793.10	2221.0	2.2203	.07212
187	61938-3 1/500	10.712	.01071	3130.0	328.43	.32833	1.5376
188	CCV	4891.2	4.8912	10589.	4949.5	4.9495	4985.2
189	CCB	60.973	.06096	75.432	-12.220	-.01222	-.07027
190	CCV	4895.3	4.8953	10423.	4983.3	4.9834	5001.7
191	CCB	9.3878	.00938	8.5287	-5.7745	-.00577	.16828
192	PBW 183192	298.62	.29863	1414.1	1314.3	1.3139	138.20
193	PBW 183192	32.057	.03205	22.995	-8.9427	-.00894	.33653
194	LCSW-1	1076.1	1.0761	5142.2	5043.1	5.0417	522.41
195	62237-1	69329.	69.318	3117.3	2261.1	2.2484	145.90
196	62237-2	74597.	74.585	3409.4	3518.4	3.5044	216.92
197	62237-3	86658.	86.646	3759.2	3580.9	3.5648	227.56
198	62237-4	82046.	82.032	3265.9	3332.6	3.3173	208.14
199	62237-5	69041.	69.029	3320.4	3258.6	3.2457	209.21
200	62237-6	80485.	80.471	3543.3	3802.8	3.7877	231.20
201	62237-7	68108.	68.095	3225.6	2952.1	2.9394	177.80
202	CCV	5033.7	5.0337	10518.	5123.3	5.1233	5055.4
203	CCB	10.019	.01001	9.4355	-4.1921	-.00419	1.1230
204	62237-8	72152.	72.140	3259.8	3122.3	3.1088	189.86
205	62237-8L	14377.	14.375	651.56	617.76	.61507	37.661
206	62237-8A	991.31	.99139	4600.2	4410.4	4.4092	487.29
207	62190-1	163320.	163.30	9253.0	25206.	25.171	2098.5
208	62190-1S	197760.	197.73	15257.	31588.	31.546	2997.6
209	62190-1SD	232110.	232.08	13862.	34166.	34.117	3079.2
210	CCV	5037.5	5.0375	10731.	5102.7	5.1027	5053.5
211	CCB	7.3377	.00733	-.23278	-7.3625	-.00736	.90179
212	61963-36 1/100	22.065	.02206	2461.5	6810.6	6.8087	.79918
213	61963-43 1/100	-20.779	-.02077	1598.4	4757.6	4.7562	-.04323
214	62048-1 1/100	29.579	.02957	5251.9	83.955	.08393	20.517
215	61970-16 1/10	4625.4	4.6248	94.068	125.99	.12514	9.1447
216	PBS 183043	50.629	.05062	29.078	-.95026	-.00095	.63015
217	62095-1	93.063	.09305	H66636.	1904.9	1.9043	8.5857
218	62025-1	1135.9	1.1357	113.31	185.21	.18513	388.39
219	CCV	4954.5	4.9545	10641.	5016.7	5.0167	5018.3
220	CCB	12.638	.01263	6.5526	-7.3405	-.00734	.57398
221	62048-1 1/500	26.894	.02689	1090.5	14.418	.01441	4.6116
222	61878-1	131.83	.13180	4451.8	11359.	11.356	6.2747
223	RL ICP	41.106	.04110	1079.1	514.70	.51454	9.9894
224	ICSA61	202250.	202.21	-2.9494	535830.	535.61	-1.2391
225	ICSAB61	202260.	202.22	50.899	535400.	535.19	512.94
226	CCV	5035.3	5.0353	10633.	5089.0	5.0890	5035.5
227	CCB	-8.3234	-.00832	-10.593	-8.8880	-.00888	.06109

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
1	HIGH STD 00034	1006.1	14493.	5011.0	999.58	9964.0	995.61
2	ICVP 00190	1017.2	9645.2	1009.9	1007.8	1012.3	964.96
3	ICB	-.00414	31.334	.87552	-2.3185	6.6934	1.1648
4	RL ICP 00045	10.305	913.50	41.135	7.6222	26.034	22.247
5	RL ICP 00045	11.613	1106.5	40.364	8.1850	21.564	18.218
6	RL ICP 00045	8.2450	1047.1	41.530	9.6175	21.264	17.639
7	ICSA61 00022	-1.5336	182.78	.65096	-4.4636	7.7874	1.5494
8	ICSAB61 00038	1038.8	117.55	1000.9	44.967	60.167	629.41

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
9	CCVP	510.58	7211.3	2556.1	510.36	5101.2	508.04
10	CCB	-.30233	-95.641	-.72309	-3.4262	1.8099	-4.4477
11	PBW 182641	-1.4252	-5.9311	-.56622	-1.2356	1.0627	-8.1955
12	LCSW-1	509.44	4860.3	518.87	521.25	2100.6	494.36
13	LCSW-1 (RL)	9.9633	976.66	45.236	9.9841	24.687	21.666
14	22453-1	-.12874	19056.	6.2561	.10246	1.2903	-1.8991
15	22453-1S	508.55	24159.	529.63	522.98	2124.2	505.04
16	22453-1SD	519.30	23855.	538.79	530.27	2149.3	518.21
17	22453-2	1.1302	18959.	.70381	-.54597	2.4852	-.86162
18	61878-1	54.099	21438.	-1.4616	-.21215	-2.0627	-8.9965
19	61929-1	33.339	21597.	1.0229	-1.3807	2.1089	-5.2748
20	CCV	504.37	7074.8	2542.2	510.85	5039.3	493.43
21	CCB	-.49412	98.800	.01004	-3.2738	-1.8585	-4.3967
22	61929-3	.07974	H229250.	.41519	-1.3793	.97176	-2.8171
23	61929-3 1/10	-1.5343	21160.	.85632	1.3826	3.9974	-2.6367
24	61931-1	-1.4818	31000.	.13352	-1.3183	4.6118	.19483
25	61986-2	14.574	H101740.	.71397	-1.2310	5.4640	-6.5695
26	61986-2 1/10	1.4979	9446.9	-.10660	-1.3073	2.7466	-2.1217
27	61986-1	9.4544	H168670.	.21918	-.73721	5.8464	-5.8122
28	61986-1 1/10	2.4148	15396.	1.3151	-2.0636	2.5113	-.81167
29	61993-1	3.3989	9367.2	.54271	-.65464	-.75940	-2.5922
30	CCV	493.67	7394.5	2519.4	501.10	4993.0	498.31
31	CCB	1.7519	89.632	.57778	-3.5034	1.8033	-9.7929
32	61778-1 1/10	.43578	24373.	1.5678	-1.5241	10.107	-1.7612
33	61778-1S 1/10	49.204	26138.	53.379	51.378	209.48	42.529
34	61778-1SD 1/10	51.423	27021.	52.762	52.353	208.38	43.002
35	61778-3 1/10	-.09773	7314.7	26.940	-2.9091	1.7770	-3.4273
36	61853-1 1/10	-.18476	26603.	1.5654	-1.6939	2.9103	-3.4216
37	61853-3 1/10	-.54587	7632.9	18.534	-1.8535	-.93625	-6.6024
38	CCV	492.69	7567.1	2485.5	493.01	4911.4	495.72
39	CCB	.17113	53.107	.46389	-2.7143	6.0244	-.10361
40	61938-1 1/20	-1.2603	H366230.	.65669	-1.2174	5.0109	-3.2766
41	61938-2 1/20	-.15439	H580720.	.94075	-.93355	5.1856	-3.0391
42	61938-3 1/20	-.59141	H105870.	5.5113	-1.1959	1.1182	2.4660
43	61960-1 1/10	-.67594	8822.9	.89441	-2.9165	9.5263	-1.6930
44	61960-1S 1/10	50.178	9620.9	52.939	49.974	206.95	46.444
45	61960-1SD 1/10	47.504	9233.3	52.978	50.747	207.03	47.074
46	CCV	498.04	7282.6	2535.5	507.92	5007.1	501.62
47	CCB	-.84438	56.678	1.8097	.32261	4.4334	-3.1298
48	61963-5 1/10	-.18701	2443.9	3.3884	23.583	8.2659	-3.0971
49	61963-6 1/10	-.89547	7119.5	6.6713	22.526	3.6741	1.3425
50	61963-7 1/10	-.00823	3987.9	3.7663	28.646	1.7894	-5.4323
51	61963-8 1/10	.83954	8888.7	19.626	188.49	3.9175	.55521
52	61963-12 1/10	-2.2310	8086.0	.53268	7.6113	-2.7756	-4.6342
53	61963-18 1/10	2.1394	7175.5	1.1895	11.151	4.2181	-7.4086
54	61963-19 1/10	2.6498	4817.6	.04443	-.06390	-.62253	-2.1400
55	61963-20 1/10	-1.8582	7727.4	.13382	1.7603	-3.2014	-11.347
56	61963-21 1/10	-1.3120	8051.8	.84947	7.8989	.33633	.71364
57	61963-22 1/10	.57205	4175.0	1.1820	3.8091	4.6157	-1.5773
58	CCV	493.97	7180.5	2542.6	510.66	4989.8	491.47
59	CCB	1.2161	99.312	1.4287	-3.3317	4.0138	-1.5930
60	61963-29 1/10	1.7110	9766.7	.71524	8.5919	-.92891	-6.9125
61	61963-30 1/10	-.75013	9806.7	.59421	5.0617	3.1015	-3.4061
62	61963-30S 1/10	50.188	10568.	55.059	53.324	213.79	47.955

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
63	61963-30SD 1/10	52.037	11318.	54.638	58.203	219.41	47.284
64	61963-37 1/10	1.0074	3991.9	1.5797	36.511	4.8314	-2.3295
65	61963-38 1/10	-.71439	3240.8	1.1496	12.083	.21229	-.69928
66	61963-39 1/10	-1.3359	3792.5	.43031	13.219	1.1455	-1.1973
67	CCV	497.33	7308.7	2573.6	516.67	5058.1	502.41
68	CCB	-1.4818	142.14	-.01225	-2.2955	2.2380	-1.5567
69	PBW 183096	-.48169	163.54	-.75638	-.02999	2.6354	-2.8434
70	LCSW-1	488.85	4921.4	508.16	505.82	2005.7	478.38
71	LCSW-2	487.31	4799.9	513.57	511.60	2035.6	490.45
72	61963-36	3.0113	H5123e3	1.2591	-2.0223	-1.2007	4.4248
73	61963-36 1/10	2.0408	H615530.	.17217	.90908	-.29790	-5.4249
74	61963-40	9.3173	H640160.	2.1057	-2.6871	-.43254	-.07493
75	61963-40 1/10	-1.4174	58407.	-.34482	-1.4276	-.75150	-4.8330
76	61963-41	7.1025	H639320.	1.4081	1.1446	.57530	.97357
77	61963-41 1/10	-1.1206	58741.	-.86694	-.89479	4.9863	-3.9730
78	CCV	490.65	7488.7	2530.5	506.79	4966.1	490.71
79	CCB	-2.7661	-70.268	.21529	-1.9474	.54751	-2.4793
80	61963-42	28.111	H725110.	3.4611	4.7675	4.7730	11.619
81	61963-42 1/10	1.9783	66207.	.82742	-1.4710	5.1221	-1.0500
82	61963-43	25.670	H3864e3	.87967	-1.7241	1.1320	-.26358
83	61963-43 1/10	3.1843	H422410.	.43744	-1.3866	-1.3926	2.4872
84	61943-1	20.959	49046.	H242900.	16.353	33.600	16.562
85	61943-1 1/10	1.7969	8418.9	H48221.	6.3933	3.8177	-6.7987
86	62060-1	1.7357	5554.9	1.7027	-.01512	-2.3467	-4.9379
87	62060-1L	.85573	1212.3	4.3881	-.91330	-4.5621	-7.5884
88	62060-1A	441.67	10144.	503.06	504.87	1998.0	485.45
89	62060-2	1.4071	6679.9	.73021	-1.9561	1.0893	2.5660
90	CCV	495.65	7453.4	2511.1	504.88	5000.0	498.90
91	CCB	.79614	-19.993	1.1063	-.86429	-.28387	-7.8567
92	62145-2	.98139	67473.	16.195	26.414	4.3397	-2.4188
93	61984-1	-1.6221	6828.2	2.3463	-1.1571	-2.6081	-4.3917
94	61984-2	-2.2532	17558.	4.5609	.75666	-.18113	-7.2418
95	61984-3	.43573	2175.4	1.8072	-.17375	2.7610	-.49800
96	61984-4	1.4971	2264.9	.76412	-.89128	-.85727	-10.821
97	62105-1	1.0170	9798.0	16.511	8.5713	8.1924	-3.0250
98	62105-2	-2.0268	6068.0	-.13373	-.52289	-1.3409	-4.2335
99	62105-3	-1.3609	6183.1	.91190	-.79811	1.8442	-6.2878
100	62105-4	-2.3996	26017.	7.1031	17.117	2.2802	-3.2959
101	62105-5	1.5741	6709.3	17.997	37.597	40.133	-5.2381
102	CCV	493.14	7588.6	2512.9	507.59	4985.7	491.16
103	CCB	-1.3824	107.26	-.55545	-.68866	-.95910	-6.6554
104	62103-1	28.667	64605.	21.230	11.961	-1.4642	4.6576
105	62103-1S	516.95	66002.	510.11	505.23	1993.8	495.78
106	62103-1SD	551.69	69556.	540.68	538.22	2118.9	523.83
107	62048-1	36.628	H8068e3	18.666	7.3468	L-11.267	5.8590
108	62048-1 1/10	5.7819	H1161e3	3.2387	-.77252	3.0996	-2.2187
109	CCV	495.46	7837.4	2536.4	513.38	5044.3	493.34
110	CCB	-.23988	157.68	.22148	-2.4243	4.9950	-7.4408
111	PBW 183180	1.5951	H132570.	-.16359	.24718	-1.1453	-7.5991
112	PBW II	-1.6355	25890.	-.97398	-.65040	-.36494	-8.1927
113	LCSW-1	519.56	H170740.	539.14	542.96	2168.7	520.28
114	61701-2	.99010	H132100.	.37236	-.42952	1.3446	-4.2822
115	61701-2L	-.63576	24439.	1.0979	.83164	1.4918	.39798
116	61701-2A	448.73	H135230.	511.02	516.98	2050.6	492.29

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
117	61701-2S	514.27	H170540.	532.45	539.26	2153.3	520.34
118	61701-2SD	488.49	H133550.	529.40	535.21	2127.5	507.87
119	62077-8	-1.2396	H142690.	.59710	-2.1559	-2.0356	-3.2491
120	62077-41	.53677	H145810.	1.0959	-.78784	5.2040	-5.3724
121	CCV	499.88	7536.0	2557.3	519.17	5062.1	496.79
122	CCB	.07843	82.827	1.5117	-1.1351	2.0589	-1.0878
123	62136-1	-1.5214	H115480.	19.430	22.356	-4.3909	-4.9799
124	62171-1	.17126	H125650.	5.7871	8.4078	.77637	-4.7464
125	62115-1	17.258	25013.	.08693	.40792	3.7603	-8.0022
126	62115-2	18.749	24918.	1.2508	-.78135	.75794	-3.7577
127	62115-3	29.614	31048.	.64825	-.86072	4.7777	-1.1863
128	62115-4	105.78	H140430.	.53843	-1.5814	24.404	-3.8900
129	62112-1	1.5100	H179950.	2.2385	1.5436	-1.6038	-5.0881
130	62145-1	1.1354	H131680.	6.8940	725.20	1.7943	-3.5493
131	CCV	495.33	7583.4	2539.3	509.20	4977.7	496.02
132	CCB	-.14743	105.56	-.90858	-2.2199	6.1015	-3.2111
133	PBW 183043	.35582	75.966	.30291	-.56378	-2.6362	-3.6532
134	PBW 50	-1.5448	212.24	-.96491	-2.0033	-3.2888	-10.350
135	LCSW-1	511.32	5312.6	528.98	536.55	2092.5	505.70
136	62145-1	111.45	1514.7	154.57	9015.3	6.0493	44.903
137	62145-1L	21.603	388.84	31.019	1833.2	1.7523	6.7207
138	62145-1A	540.06	5769.6	646.10	9301.8	1991.1	524.98
139	62145-1S	542.07	5830.3	632.23	11328.	1927.1	512.84
140	62145-1SD	645.08	6618.2	711.98	18149.	2047.2	561.02
141	62146-1	2.2498	1313.7	75.058	24.213	3.7169	1.7183
142	62146-2	3.7606	2438.7	101.23	28.246	-.96111	-5.7315
143	CCV	489.49	7538.3	2503.9	502.79	4947.5	492.37
144	CCB	1.3649	-150.30	.03562	-1.3091	.13348	-6.0223
145	61966-1	14.423	6763.1	133.12	194.15	-.98126	3741.4
146	62095-1	-.24215	613.76	12.542	.31789	-6.5666	3.9476
147	62025-1	1.0277	766.88	128.86	62.304	-6.0558	.43579
148	62115-1	75.855	H157430.	375.36	314.39	32.182	3.3196
149	62115-2	78.005	H174260.	636.61	402.95	26.121	9.5211
150	62115-3	80.962	H169800.	568.12	380.91	24.634	12.086
151	62115-4	263.13	H317350.	363.82	424.89	110.21	29.820
152	CCV	484.14	7717.9	2460.7	494.85	4894.7	486.25
153	CCB	2.9885	626.69	5.7086	-2.2551	8.6380	19.772
154	PBW 182771	-.79684	165.75	-1.1524	-1.3134	-4.8594	-8.5862
155	LCSW-1	510.18	5357.8	533.78	539.24	2128.6	513.31
156	LCSW-2	496.15	5150.6	517.42	518.81	2044.6	500.54
157	61970-1	5.4594	299.03	7.3865	4.6867	-.73784	-4.1558
158	61970-2	3.1233	18152.	24.006	1517.2	-3.7343	15.120
159	61970-3	10.736	12449.	6.7075	421.88	-3.7714	17.111
160	61970-4	-1.3943	4381.5	26.503	2700.1	-5.5793	-1.1599
161	CCV	489.37	7539.3	2504.8	505.15	4944.7	495.53
162	CCB	-.28808	101.39	.17678	-.82125	6.3570	-.95708
163	61970-5	.03389	13594.	14.038	1334.7	4.8463	1.0915
164	61970-6	7.3458	3658.0	20.819	6449.6	-1.2755	1.2054
165	61970-7	.49322	1072.6	2.1846	17.300	1.9000	-.06632
166	61970-8	-1.4728	1494.7	4.3436	5.9311	1.6296	-5.4662
167	61970-9	-1.3877	365.36	25.584	2.3855	5.6555	-2.7741
168	61970-10	2.2379	12829.	20.985	31.899	5.6374	.05972
169	61970-11	.98473	2653.4	3.4682	22.448	-4.8591	-4.6634
170	61970-12	12.877	17083.	22.856	8521.5	-.87869	6.5890

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
171	61970-13	3.9098	8192.2	27.201	13518.	2.5847	3.5593
172	CCV	492.09	7611.0	2522.0	509.42	4976.6	494.49
173	CCB	-1.4500	-128.94	.60095	-2.8968	-2.0167	-.86562
174	61970-14	3.6458	42018.	44.552	6928.2	-9.9142	-2.3952
175	61970-15	3.6051	431.07	4.7352	7.2674	-4.1747	.64010
176	61970-16	51.817	1922.7	13.076	H107310.	4.8164	98.117
177	61970-17	-.75720	5464.1	37.407	518.63	-1.4221	-.42399
178	61970-18	4.8917	7248.1	25.359	9091.3	-1.1626	7.1235
179	61970-19	-.56796	2181.7	3.9363	48.978	.16519	-5.6633
180	61970-20	-2.3791	954.86	3.3535	471.69	-.01972	-4.8663
181	CCV	484.94	7776.2	2497.4	502.25	4936.5	492.01
182	CCB	1.4400	39.764	-.62730	-1.2222	4.1220	-7.6342
183	61878-1	52.253	23319.	.77700	.91896	.36917	-4.7272
184	61938-1 1/100	1.0266	70340.	.87208	-1.8236	3.4225	-3.4357
185	61938-2 1/100	.50572	H114040.	.53046	-2.1784	2.7994	-9.1069
186	61938-2 1/500	-.00893	21419.	.25988	-.38551	1.1353	-2.2153
187	61938-3 1/500	1.3964	5210.4	.18920	-1.8931	-2.3237	-4.7051
188	CCV	484.04	7812.2	2452.7	491.10	4874.1	498.70
189	CCB	1.3547	617.72	3.2991	-1.3002	9.8555	10.148
190	CCV	482.67	7764.2	2468.7	494.87	4908.0	493.97
191	CCB	2.3300	45.447	.46119	-.36533	1.7138	-3.1581
192	PBW 183192	131.23	1741.3	137.48	143.87	597.17	133.35
193	PBW 183192	-.47542	73.486	.08967	-2.8056	-.07940	-5.0385
194	LCSW-1	493.53	5351.9	514.82	513.37	2049.1	497.77
195	62237-1	2.9430	321.35	14.730	37.947	3.7843	-1.9385
196	62237-2	2.2076	388.29	22.353	32.201	1.5408	1.9634
197	62237-3	3.8619	580.53	23.927	36.139	9.8863	1.9137
198	62237-4	1.7899	435.92	19.298	30.933	7.1126	-1.5504
199	62237-5	1.4773	415.97	19.089	31.845	3.2110	-3.7742
200	62237-6	2.6899	423.37	23.906	32.531	4.5740	1.6502
201	62237-7	.71864	493.51	18.794	31.738	6.6833	1.6889
202	CCV	495.64	7566.5	2516.9	504.08	4994.6	489.43
203	CCB	-.33626	211.55	1.2857	-.81755	3.7819	-.87271
204	62237-8	2.7477	503.60	20.744	31.329	5.5747	5.2279
205	62237-8L	.44311	188.36	4.4246	9.0357	.47523	-7.3407
206	62237-8A	430.26	4795.0	483.07	512.53	2074.5	470.31
207	62190-1	10.574	2718.8	129.07	1277.0	13.941	41.023
208	62190-1S	502.89	8370.4	651.15	2332.6	2043.0	509.18
209	62190-1SD	484.08	7424.7	645.59	1984.5	1994.7	505.87
210	CCV	497.76	7879.4	2514.7	506.99	5012.2	489.12
211	CCB	.82291	20.844	-.02736	-1.1148	.19736	-5.0325
212	61963-36 1/100	-2.0140	65852.	1.4434	-1.8132	2.7264	.34029
213	61963-43 1/100	.17590	41827.	-1.1096	-1.8329	1.5414	-4.9314
214	62048-1 1/100	.78232	H108890.	-.65264	-2.7981	-.02405	-4.0851
215	61970-16 1/10	2.2020	250.10	.98095	10664.	-6.5760	3.8111
216	PBS 183043	-1.1195	246.73	.77950	.12850	2.4175	-4.1295
217	62095-1	.71322	584.73	13.001	2.2788	-.35679	-2.5206
218	62025-1	-.05929	816.11	132.17	67.241	4.0291	-1.3100
219	CCV	494.66	7785.5	2492.8	500.45	4991.3	484.90
220	CCB	-.01191	83.837	.57242	-1.0625	4.3565	-1.7314
221	62048-1 1/500	-.00856	21017.	1.4749	-1.8558	5.5390	-3.5561
222	61878-1	53.214	23684.	.85978	-1.5316	1.9328	-3.8890
223	RL ICP	9.2410	893.37	39.223	8.9571	21.536	11.216
224	ICSA61	-.36309	63.208	.42850	-3.2407	2.3587	-5.2794

#	Sample Name	Mo	Na	Ni	Pb	Se	Sb
225	ICSAB61	1029.6	162.16	994.88	44.508	57.143	625.57
226	CCV	503.70	7888.3	2517.8	508.20	5061.9	500.20
227	CCB	1.4441	-99.449	-.45277	-.82318	-2.2681	-7.5343

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
1	HIGH STD 00034	9970.4	5001.2	997.41	9982.0	9972.9	4981.9
2	ICVP 00190	1000.6	1023.7	990.37	988.05	992.55	1012.1
3	ICB	2.7497	-.08568	-.20572	-.85066	.36480	.15411
4	RL ICP 00045	51.947	10.082	9.2100	27.827	10.861	20.649
5	RL ICP 00045	53.195	10.191	9.3780	18.846	9.9011	21.133
6	RL ICP 00045	52.395	10.633	9.9083	23.310	10.424	21.825
7	ICSA61 00022	2.4016	2.1901	1.4365	-7.6788	-5.8527	4.7708
8	ICSAB61 00038	1025.5	2.1953	1.8861	91.867	513.58	1036.2
9	CCVP	5085.8	2576.6	505.52	5076.7	5066.4	2557.2
10	CCB	.37896	-.06655	-.20821	.01230	.02768	.16000
11	PBW 182641	-.85919	-.03790	.06221	-1.5381	-.79186	2.6851
12	LCSW-1	1027.5	518.44	1006.5	2120.4	510.52	530.54
13	LCSW-1 (RL)	57.335	11.079	10.816	29.820	10.979	24.730
14	22453-1	.81917	90.607	.06378	.15493	1.1580	18.444
15	22453-1S	1024.0	602.73	1003.1	2128.8	515.59	562.65
16	22453-1SD	1042.9	610.63	1022.6	2167.8	523.22	569.89
17	22453-2	6.3685	88.116	.41672	2.6277	.87661	2.5411
18	61878-1	-2.6329	4843.0	.08322	.55098	-2.2299	1.5921
19	61929-1	3.3327	4142.5	-.15054	-3.7631	.50804	1.9621
20	CCV	5059.6	2543.0	501.20	5016.7	5040.2	2550.6
21	CCB	.20131	.71715	-.18935	-.42348	-.22787	.78706
22	61929-3	.07208	H13228.	-.12615	-2.5420	-.23418	1.7749
23	61929-3 1/10	.57428	1436.6	-.33622	-.75407	.08397	.65924
24	61931-1	3.0019	96.385	-.43600	-2.4978	.61391	21.772
25	61986-2	-.14248	H15567.	-.18026	-5.0415	-.45106	3.9835
26	61986-2 1/10	-.58459	1667.6	-.58891	-2.4996	.24065	-.01393
27	61986-1	1.5675	H13248.	-.20722	-.29567	-.80777	2.7927
28	61986-1 1/10	3.4355	1425.2	-.28060	-3.0707	.48351	1.0289
29	61993-1	.57591	371.43	.66011	3.8774	3.7019	16.062
30	CCV	4993.0	2541.3	501.89	4978.8	5044.6	2505.4
31	CCB	2.7738	1.2024	.21342	.67563	2.3952	.83061
32	61778-1 1/10	2.1981	73.551	3.8143	-.29220	.29965	1.4512
33	61778-1S 1/10	101.18	130.25	106.67	209.27	52.496	55.387
34	61778-1SD 1/10	98.794	134.51	108.76	199.91	50.301	55.431
35	61778-3 1/10	-.82552	66.647	1.1142	-3.6879	1.1945	.81177
36	61853-1 1/10	-.97864	76.627	3.5638	-3.0327	-.18822	1.3465
37	61853-3 1/10	-1.5388	70.687	.44418	-3.7841	-.52016	1.0098
38	CCV	4911.8	2537.7	499.76	4925.3	5029.4	2451.4
39	CCB	.19906	.74810	-.04272	-2.2837	2.2458	1.0251
40	61938-1 1/20	2.6735	3059.9	.07632	-1.9907	-.31218	1.2372
41	61938-2 1/20	1.2836	927.41	-.34636	-2.4870	.78750	.77958
42	61938-3 1/20	1.3785	110.46	6.5355	-5.8472	4.9204	2.3845
43	61960-1 1/10	5.4845	2.1449	-.01079	2.1575	1.3970	8.6906
44	61960-1S 1/10	103.69	54.415	101.70	202.30	51.119	64.038
45	61960-1SD 1/10	106.33	53.287	100.54	207.91	51.029	63.211
46	CCV	5030.9	2529.9	503.12	4968.6	5081.9	2530.8
47	CCB	5.1636	.62273	-.21828	-6.6006	1.7461	.93095

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
48	61963-5 1/10	6.6751	586.76	22.230	-5.8501	6.2841	42.859
49	61963-6 1/10	3.9513	477.90	35.309	-2.5119	10.838	48.761
50	61963-7 1/10	7.9240	874.82	14.850	-5.5426	5.8269	51.320
51	61963-8 1/10	10.950	1328.7	34.473	-.42188	7.5405	517.15
52	61963-12 1/10	5.8754	2214.6	2.9956	-3.3951	.52445	15.673
53	61963-18 1/10	-.16013	522.79	10.743	4.2189	1.6364	27.361
54	61963-19 1/10	6.8055	3941.5	1.9159	-3.1298	.77982	2.9898
55	61963-20 1/10	.16376	53.321	2.9608	-10.644	-.41287	11.420
56	61963-21 1/10	6.1070	151.04	7.4715	1.3195	5.1848	28.360
57	61963-22 1/10	8.8234	4532.9	2.0680	-3.5384	1.8404	9.9038
58	CCV	5047.5	2489.7	498.55	4970.2	5050.2	2558.7
59	CCB	6.6941	.27341	-.26572	4.7270	1.8100	.20823
60	61963-29 1/10	1.3187	646.02	8.8246	-4.5136	3.8668	26.741
61	61963-30 1/10	1.2256	906.40	7.3238	-6.9287	3.1609	11.060
62	61963-30S 1/10	103.02	929.85	110.25	213.87	55.297	64.496
63	61963-30SD 1/10	108.16	839.77	112.81	217.72	56.069	67.098
64	61963-37 1/10	.99168	2017.0	80.916	-4.6638	8.6376	173.68
65	61963-38 1/10	5.0211	2426.7	17.760	-3.0017	2.1435	26.362
66	61963-39 1/10	6.3318	3623.6	5.1639	-5.3555	2.3584	26.158
67	CCV	5118.2	2509.4	505.11	5023.9	5122.0	2592.1
68	CCB	1.5990	.69514	-.06410	-4.3174	.30263	1.1335
69	PBW 183096	-.73980	-.08077	-.33892	-3.2276	-.78350	2.3184
70	LCSW-1	994.71	492.49	982.73	2032.2	504.59	518.83
71	LCSW-2	986.37	492.23	980.76	2071.3	511.26	525.23
72	61963-36	1.2094	4214.6	.64107	5.0995	-5.0812	25.357
73	61963-36 1/10	-.76089	439.67	-.11089	-10.137	-1.8678	2.3201
74	61963-40	2.7058	1792.9	-.15771	-2.5351	7.6204	20.283
75	61963-40 1/10	-1.7128	182.27	-.28387	-1.5279	.82556	2.3270
76	61963-41	4.1154	1793.1	.24891	-3.0233	7.1747	18.205
77	61963-41 1/10	.83791	183.32	-.21146	.55994	.36775	2.2238
78	CCV	5033.6	2481.6	497.84	4948.9	5043.2	2543.4
79	CCB	-1.4016	.23407	-.20801	1.4408	.85630	.38455
80	61963-42	-.92133	3419.8	.06369	-7.6909	5.1930	30.631
81	61963-42 1/10	.74362	351.56	-.12629	-1.3955	1.1283	3.2352
82	61963-43	-3.6369	4500.9	-.22959	-6.2885	-.47212	15.731
83	61963-43 1/10	5.1027	459.40	-.37125	4.6454	-.06258	2.1277
84	61943-1	-5.0691	770.11	35.553	-1.3816	8262.1	15928.
85	61943-1 1/10	.00636	146.43	6.5233	-1.2824	1523.2	3007.3
86	62060-1	.85854	25.499	46.367	-3.7332	4.4663	7.3198
87	62060-1L	-.27593	5.2712	10.226	2.6212	1.5511	2.0496
88	62060-1A	908.22	478.87	949.52	2039.8	509.06	521.70
89	62060-2	1.6514	29.049	108.36	-.03463	4.8576	7.8827
90	CCV	5043.0	2525.2	501.50	4997.0	5075.3	2530.7
91	CCB	.98239	.46986	-.01623	-2.9967	.47587	.45822
92	62145-2	1.5328	57.348	212.46	-1.6728	10.450	272.09
93	61984-1	-2.1886	379.76	1.0146	-3.1193	.71859	28.062
94	61984-2	.77480	352.59	1.1808	-3.0825	-.30287	12.049
95	61984-3	-.27110	38.143	-.17965	-8.8223	-.49464	9.8442
96	61984-4	1.4558	39.044	-.22836	-2.6295	.32681	27.574
97	62105-1	2.7357	68.542	11.615	-3.9333	2.4956	189.95
98	62105-2	3.6732	56.544	2.7999	-3.8809	.96194	5.7849
99	62105-3	-.43721	58.620	8.2708	-4.6134	1.0476	17.680
100	62105-4	.97017	26.117	8.7752	-8.1351	.89317	913.58
101	62105-5	1.9527	88.683	149.04	-8.1952	15.322	197.17

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
102	CCV	5038.2	2506.5	498.69	4973.5	5047.4	2540.5
103	CCB	2.8651	.24849	-.04101	-3.0993	.37645	.54656
104	62103-1	.32440	611.96	32.336	-4.2537	3.5587	113.07
105	62103-1S	998.86	1053.2	989.51	2024.5	509.63	609.98
106	62103-1SD	1060.5	1111.1	1062.8	2158.5	539.37	648.90
107	62048-1	53.316	102.71	3.8767	-2.8857	335.53	299.69
108	62048-1 1/10	9.2087	10.309	-.09214	-1.7142	33.180	31.003
109	CCV	5083.6	2516.7	501.00	5008.8	5082.6	2567.5
110	CCB	1.9866	.18370	-.28244	-3.1932	.89019	.57735
111	PBW 183180	-1.4029	.22905	-.38812	-2.6359	-.28386	3.5245
112	PBW II	1.9834	.19966	-.01658	-5.4894	.51218	3.5635
113	LCSW-1	1062.2	515.90	1031.2	2193.7	537.63	562.87
114	61701-2	-1.8840	4.7004	.16507	1.9376	-.36072	12.819
115	61701-2L	.40710	.92862	.06336	-5.7281	.53772	3.3823
116	61701-2A	911.40	454.25	896.15	2091.9	509.87	539.90
117	61701-2S	1051.1	517.22	1024.9	2178.6	532.67	570.24
118	61701-2SD	990.92	490.70	972.05	2156.9	530.24	562.65
119	62077-8	-1.1315	70.557	.05287	7.5717	.02927	91.206
120	62077-41	-.79196	11.233	-.29734	1.1696	1.2113	42.574
121	CCV	5111.8	2533.4	504.35	5047.7	5111.3	2578.4
122	CCB	6.2729	.56853	-.09659	-2.9343	1.9939	.47274
123	62136-1	4.0067	88.898	-.36933	-8.2493	.51156	21.593
124	62171-1	2.7790	10.277	.58891	-6.3730	-.21418	139.99
125	62115-1	.78731	636.27	-.13898	-3.6298	-.35699	19.266
126	62115-2	.47183	675.05	-.03438	-.66901	-.25343	2.4788
127	62115-3	3.0032	881.78	-.03108	-3.1817	.39658	3.1653
128	62115-4	.84316	455.36	.10507	1.0743	-.18063	4.9794
129	62112-1	-.00627	203.32	-.08610	-8.7123	-.68560	4394.5
130	62145-1	-.61271	180.19	-.28417	-1.6047	-.23288	211.28
131	CCV	5082.0	2522.6	500.88	5025.7	5083.9	2560.7
132	CCB	2.2580	.55654	-.26696	1.3705	1.4738	1.0447
133	PBW 183043	15.958	.06217	-.03039	-5.9733	.23648	28.744
134	PBW 50	21.200	.05713	-.08624	-9.9878	-.68571	11.756
135	LCSW-1	1048.5	524.56	1029.1	2147.6	532.56	544.73
136	62145-1	132.06	1508.6	5349.9	-5.0826	196.46	3017.5
137	62145-1L	28.626	306.31	1081.3	-8.5943	39.870	612.42
138	62145-1A	1012.3	1914.3	6121.4	2012.6	689.85	3456.5
139	62145-1S	1070.5	8881.8	4656.0	1931.9	622.02	2732.5
140	62145-1SD	1211.9	2844.0	5668.2	2068.0	712.19	4160.8
141	62146-1	22.789	41.386	4952.3	1.9933	148.25	171.04
142	62146-2	24.554	101.94	6737.8	-3.9581	192.03	230.46
143	CCV	5008.3	2521.1	507.22	4960.5	5066.9	2509.8
144	CCB	4.5980	.79048	1.5014	-.48803	.99670	1.0894
145	61966-1	34.977	2421.8	3144.9	.63130	84.340	7280.4
146	62095-1	19.327	1.2659	1.4666	-7.6051	.12348	19.481
147	62025-1	36.644	4.3682	32.193	-3.1785	136.77	429.04
148	62115-1	26.741	8224.3	19172.	-2.5685	274.56	7052.1
149	62115-2	34.611	8361.5	21323.	-.54078	298.93	8015.5
150	62115-3	26.261	8612.8	20576.	.43199	293.60	8070.7
151	62115-4	5.3029	H11711.	6870.2	-.82020	204.30	20342.
152	CCV	4909.5	2505.2	504.90	4881.6	5019.2	2445.1
153	CCB	14.497	1.4232	1.9033	16.214	6.6519	2.0065
154	PBW 182771	14.990	.01559	.84664	-4.9741	-.84752	4.6425
155	LCSW-1	1059.0	525.62	1039.5	2165.8	538.01	541.12

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
156	LCSW-2	1027.6	511.60	1011.0	2106.8	522.21	525.31
157	61970-1	75.506	1.7286	7.7774	-1.2687	1.7728	503.74
158	61970-2	56.709	93.700	287.59	-5.8115	10.549	9161.9
159	61970-3	149.43	62.353	306.16	-1.5554	5.3113	7052.5
160	61970-4	45.753	413.87	1535.8	-.96261	16.918	3301.6
161	CCV	4996.1	2514.1	499.19	4957.1	5061.2	2497.7
162	CCB	3.4038	.27803	-.23092	1.6993	1.0241	.61598
163	61970-5	38.077	555.84	4368.3	.07586	38.875	15989.
164	61970-6	68.207	63.950	1090.1	-6.9591	9.6687	13008.
165	61970-7	17.933	50.674	482.23	1.0325	1.8311	65.334
166	61970-8	16.805	18.321	489.97	-2.8365	1.7130	68.167
167	61970-9	17.433	4.1448	223.74	-6.6609	1.6114	170.20
168	61970-10	54.807	2226.9	8013.9	-5.3421	23.471	14534.
169	61970-11	17.787	1314.8	893.28	-6.1049	4.3406	171.27
170	61970-12	104.06	1376.5	5254.2	-6.7645	57.224	21200.
171	61970-13	214.47	702.21	8752.2	-5.3855	83.326	10199.
172	CCV	5051.6	2510.2	507.07	4982.5	5100.3	2523.4
173	CCB	1.9233	.52251	.36852	-2.8988	.44086	1.3111
174	61970-14	75.660	655.03	4541.0	-9.3957	72.643	19921.
175	61970-15	13.245	3301.7	34.558	-4.5644	.10865	13036.
176	61970-16	96.010	54.517	395.32	-8.4714	7.7656	H87647.
177	61970-17	195.36	32.728	458.66	-4.5601	5.2371	7509.1
178	61970-18	52.678	592.99	6231.0	.42780	38.287	4792.6
179	61970-19	21.989	190.68	1978.8	-4.9130	15.619	11176.
180	61970-20	22.491	25.215	7.3451	-5.9637	.44542	3946.2
181	CCV	4980.5	2520.7	501.10	4936.5	5067.1	2466.4
182	CCB	-.43180	.42875	-.22395	-2.5026	.50828	.70861
183	61878-1	-1.2989	4725.8	-.01152	-2.7369	-.52865	1.1039
184	61938-1 1/100	2.1073	618.89	-.43878	-3.3334	.06673	6.5931
185	61938-2 1/100	-.59109	188.25	-.30371	-.99474	.06061	.36869
186	61938-2 1/500	.95444	38.275	.13770	-3.5736	.23046	.88142
187	61938-3 1/500	-.15234	5.6892	.54089	2.3947	.93443	.57073
188	CCV	4888.5	2516.8	494.73	4895.7	4995.0	2423.8
189	CCB	10.135	-.03423	-.48450	1.8358	3.8314	-.43508
190	CCV	4913.9	2503.9	495.08	4918.4	4995.2	2442.7
191	CCB	3.2613	.07122	.04694	-5.1844	.18553	.04707
192	PBW 183192	272.07	136.72	264.31	559.57	137.33	137.53
193	PBW 183192	8.4695	-.03288	-.15335	-.44287	-.51466	.69212
194	LCSW-1	1010.0	513.36	996.13	2105.1	514.69	519.98
195	62237-1	15.015	17.672	944.57	2.8909	201.30	54.337
196	62237-2	20.834	19.597	1383.8	-4.8657	179.41	69.037
197	62237-3	22.187	19.419	1363.8	1.6942	198.81	76.913
198	62237-4	21.156	19.094	1492.4	-3.7472	186.52	82.194
199	62237-5	23.175	19.142	1255.8	-4.1308	165.66	68.663
200	62237-6	23.710	20.579	1509.3	-4.4711	205.87	77.405
201	62237-7	20.005	17.340	1097.1	-4.4867	164.60	63.318
202	CCV	5036.0	2542.6	500.25	5004.2	5036.7	2518.1
203	CCB	3.3819	.55681	-.01985	-2.3854	1.4417	.96320
204	62237-8	21.448	20.586	1221.7	-4.0033	180.55	70.401
205	62237-8L	7.3123	4.0114	242.78	-4.9335	35.571	14.772
206	62237-8A	876.83	447.18	861.18	2004.1	478.52	492.31
207	62190-1	133.56	321.65	5551.9	4.0308	218.39	1122.0
208	62190-1S	1107.3	923.12	6813.1	2028.9	732.92	1856.2
209	62190-1SD	1085.6	782.05	6922.7	1985.2	732.61	1907.7

#	Sample Name	Sn	Sr	Ti	Tl	V	Zn
210	CCV	5021.1	2586.7	505.66	5031.5	5027.9	2507.8
211	CCB	1.0797	.41893	.43650	-.28185	.93357	.86710
212	61963-36 1/100	2.5467	50.532	.26913	-2.5581	-.20015	.80075
213	61963-43 1/100	1.5026	49.574	-.42055	-2.1788	-1.0308	.49484
214	62048-1 1/100	-3.1017	.94039	-.20793	-4.4408	2.4337	2.9091
215	61970-16 1/10	7.6670	5.6710	38.927	-7.1463	.60064	9296.1
216	PBS 183043	8.8227	.02499	.08954	-4.2993	.24632	15.436
217	62095-1	20.071	1.3163	-.18918	-8.1291	.55956	19.889
218	62025-1	38.855	4.4443	31.529	-7.0694	135.66	451.96
219	CCV	4962.2	2593.4	497.73	5009.6	4980.6	2476.6
220	CCB	2.4020	.29337	-.04544	-3.5381	1.3596	.27467
221	62048-1 1/500	2.8948	.19670	-.21323	-2.9319	1.9465	1.3693
222	61878-1	3.1818	4891.8	-.56463	-4.2734	.54466	.94585
223	RL ICP	51.963	10.711	9.8758	17.830	8.7755	22.354
224	ICSA61	3.5755	2.1997	1.6508	-2.6395	-5.7383	4.2246
225	ICSAB61	1017.2	2.3247	2.0746	109.56	509.53	1037.9
226	CCV	5045.7	2588.1	497.47	5070.8	4984.6	2529.2
227	CCB	-2.6442	.01333	-.31849	-.23814	-1.6706	-.23460

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
1	HIGH STD 00034	1005.5	996.64	9975.5	9958.3	1044.76
2	ICVP 00190	1001.1	1011.1	1013.0	1012.0	1050.45
3	ICB	6.3449	-6.6438	16.329	1.8830	1047.39
4	RL ICP 00045	16.899	2.9907	34.124	21.995	1050.23
5	RL ICP 00045	13.301	5.6309	27.980	18.360	1061.4
6	RL ICP 00045	10.800	9.0272	24.223	19.787	1042.97
7	ICSA61 00022	32.491	-22.913	17.360	3.0083	958.041
8	ICSAB61 00038	83.516	25.721	67.531	56.490	954.207
9	CCVP	514.85	508.12	5116.2	5093.7	1037.2
10	CCB	.36210	-5.3175	8.1571	-1.3589	1038.08
11	PBW 182641	-3.6722	-.01910	.00052	1.5929	1055.24
12	LCSW-1	521.21	521.26	2095.0	2103.3	1053.49
13	LCSW-1 (RL)	14.852	7.5539	30.055	22.007	1050.98
14	22453-1	3.4570	-1.5723	8.2870	-2.2028	1054.8
15	22453-1S	522.74	523.10	2127.3	2122.6	1047.87
16	22453-1SD	532.47	529.18	2168.2	2139.9	1050.25
17	22453-2	3.6319	-2.6318	15.133	-3.8292	1050.98
18	61878-1	.29488	-.46529	.61374	-3.3989	1044.69
19	61929-1	4.3413	-4.2374	10.182	-1.9220	1032.3
20	CCV	513.21	509.67	5081.1	5018.4	1027.81
21	CCB	-3.3936	-3.2139	3.5499	-4.5587	1013.98
22	61929-3	1.4319	-2.7828	6.2402	-1.6585	988.132
23	61929-3 1/10	3.0227	.56380	9.8574	1.0718	1011.92
24	61931-1	.08499	-2.0190	6.6556	3.5913	1018.52
25	61986-2	-.37084	-1.6605	8.1982	4.0987	1002.95
26	61986-2 1/10	10.655	-7.2792	14.592	-3.1674	998.383
27	61986-1	3.6448	-2.9250	12.986	2.2817	999.378
28	61986-1 1/10	6.1095	-6.1440	10.609	-1.5316	1001.68
29	61993-1	6.6080	-4.2805	7.3765	-4.8212	1011.5
30	CCV	508.26	497.52	5068.8	4955.1	998.167
31	CCB	1.3024	-5.9027	14.041	-4.3062	1004.94
32	61778-1 1/10	-2.2130	-1.1802	14.812	7.7581	1002.55

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
33	61778-1S 1/10	45.405	54.360	212.95	207.75	986.647
34	61778-1SD 1/10	43.630	56.708	207.02	209.06	977.755
35	61778-3 1/10	2.8009	-5.7599	6.9293	-.79527	983.916
36	61853-1 1/10	-1.6579	-1.7118	1.3395	3.6946	988.245
37	61853-3 1/10	1.8286	-3.6918	.79119	-1.7987	986.215
38	CCV	506.10	486.48	5032.2	4851.0	975.033
39	CCB	1.6581	-4.8973	12.308	2.8873	982.525
40	61938-1 1/20	3.3690	-3.5071	6.3820	4.3263	955.138
41	61938-2 1/20	6.6598	-4.7245	11.465	2.0504	938.083
42	61938-3 1/20	3.6943	-3.6374	10.558	-3.5949	986.035
43	61960-1 1/10	13.797	-11.261	18.872	4.8606	992.65
44	61960-1S 1/10	49.540	50.191	224.25	198.32	999.346
45	61960-1SD 1/10	54.862	48.693	220.88	200.12	996.979
46	CCV	514.00	504.88	5102.8	4959.3	991.26
47	CCB	3.5416	-1.2845	10.050	1.6292	1002.47
48	61963-5 1/10	29.617	20.570	16.655	4.0775	988.015
49	61963-6 1/10	30.956	18.318	11.157	-.06188	996.232
50	61963-7 1/10	31.277	27.332	5.1253	.12397	993.339
51	61963-8 1/10	193.89	185.79	6.1652	2.7953	990.319
52	61963-12 1/10	8.7922	7.0218	3.8230	-6.0700	993.739
53	61963-18 1/10	17.325	8.0691	5.4793	3.5884	987.408
54	61963-19 1/10	5.5383	-2.8608	9.9746	-5.9131	980.424
55	61963-20 1/10	-3.8628	4.5677	-6.1944	-1.7071	1003.49
56	61963-21 1/10	9.6427	7.0283	6.1107	-2.5465	1015.37
57	61963-22 1/10	9.3612	1.0373	12.498	.68026	989.878
58	CCV	514.00	508.99	5085.5	4942.1	1016.8
59	CCB	8.0290	-9.0036	16.224	-2.0824	1012.17
60	61963-29 1/10	9.7814	7.9984	1.6134	-2.1981	1001.72
61	61963-30 1/10	6.8700	4.1589	12.530	-1.6056	1009.96
62	61963-30S 1/10	57.604	51.187	221.59	209.90	1007.93
63	61963-30SD 1/10	62.891	55.863	232.83	212.71	1015.45
64	61963-37 1/10	39.525	35.006	6.2783	4.1091	1001.7
65	61963-38 1/10	16.829	9.7133	7.0407	-3.1968	999.958
66	61963-39 1/10	19.137	10.265	12.008	-4.2779	996.574
67	CCV	525.78	512.12	5165.6	5004.5	1009.74
68	CCB	-1.0120	-2.9363	7.9551	-.61629	1017.89
69	PBW 183096	-.63395	.27153	4.0816	1.9134	1018.04
70	LCSW-1	508.85	504.30	2047.6	1984.8	1009.54
71	LCSW-2	519.79	507.51	2080.6	2013.1	1006.93
72	61963-36	5.1420	-5.5991	10.779	-7.1818	844.096
73	61963-36 1/10	3.0979	-.18368	4.1472	-2.5171	969.939
74	61963-40	-.59093	-3.7336	12.494	-6.8868	951.777
75	61963-40 1/10	.09794	-2.1892	9.7404	-5.9896	1002.58
76	61963-41	5.0203	-.79030	6.0865	-2.1762	956.556
77	61963-41 1/10	3.9818	-3.3294	14.008	.48218	992.849
78	CCV	513.46	503.45	5074.9	4911.7	1005.75
79	CCB	2.8559	-4.3454	13.281	-5.8097	993.312
80	61963-42	2.9838	5.6581	4.4391	4.9388	912.802
81	61963-42 1/10	1.1358	-2.7724	5.4595	4.9535	976.405
82	61963-43	8.4010	-6.7790	11.580	-4.0844	840.829
83	61963-43 1/10	4.6952	-4.4230	6.6179	-5.3919	953.914
84	61943-1	249.51	-100.05	56.836	21.999	1794.04
85	61943-1 1/10	24.504	-2.6484	5.8219	2.8171	1081.62
86	62060-1	.24310	-.14405	1.1848	-4.1097	988.119

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
87	62060-1L	5.6486	-4.1893	3.5146	-8.5944	969.255
88	62060-1A	510.50	502.06	2054.9	1969.5	996.628
89	62060-2	3.7342	-4.7970	11.611	-4.1638	999.774
90	CCV	507.42	503.61	5101.0	4949.6	985.342
91	CCB	.63373	-1.6122	1.8368	-1.3426	986.692
92	62145-2	29.957	24.645	3.2704	4.8735	982.233
93	61984-1	3.7910	-3.6274	-1.8706	-2.9763	985.887
94	61984-2	3.6505	-.68806	6.8186	-3.6757	984.343
95	61984-3	.47047	-.49538	1.4256	3.4277	995.548
96	61984-4	.81236	-1.7418	8.1135	-5.3360	997.204
97	62105-1	11.435	7.1415	7.7816	8.3975	986.071
98	62105-2	3.5881	-2.5753	4.1306	-4.0725	985.095
99	62105-3	4.2356	-3.3112	6.9460	-.70291	980.59
100	62105-4	21.211	15.074	9.3646	-1.2567	979.834
101	62105-5	40.442	36.176	41.507	39.448	977.656
102	CCV	515.03	503.87	5078.7	4939.3	983.466
103	CCB	.15247	-1.1086	6.3296	-4.5980	996.403
104	62103-1	15.801	10.044	-.50997	-1.9407	966.019
105	62103-1S	508.34	503.67	2033.2	1974.1	954.67
106	62103-1SD	547.01	533.83	2159.6	2098.6	962.068
107	62048-1	11.798	5.1247	54.286	-43.994	808.848
108	62048-1 1/10	3.1304	-2.7210	14.916	-2.7999	926.734
109	CCV	517.26	511.45	5127.8	5002.6	971.811
110	CCB	1.5626	-4.4147	9.7046	2.6437	965.101
111	PBW 183180	.09602	.32264	6.1972	-4.8110	962.892
112	PBW II	3.5138	-2.7294	5.6942	-3.3900	978.084
113	LCSW-1	551.87	538.51	2219.4	2143.4	968.584
114	61701-2	.00917	-.64855	11.131	-3.5415	976.203
115	61701-2L	4.1747	-.83738	10.835	-3.1727	981.247
116	61701-2A	524.37	513.29	2109.2	2021.3	966.469
117	61701-2S	543.43	537.18	2199.6	2130.1	969.597
118	61701-2SD	536.18	534.73	2151.4	2115.6	971.203
119	62077-8	2.9976	-4.7288	4.3974	-5.2473	970.573
120	62077-41	.67649	-1.5189	6.0160	4.7986	968.472
121	CCV	523.83	516.85	5129.9	5028.3	971.266
122	CCB	5.1053	-4.2506	8.2878	-1.0509	969.826
123	62136-1	24.909	21.082	3.0865	-8.1240	966.334
124	62171-1	11.406	6.9108	8.1664	-2.9131	967.635
125	62115-1	3.7083	-1.2398	10.797	.24702	962.019
126	62115-2	.12281	-1.2328	7.6246	-2.6702	958.635
127	62115-3	3.0894	-2.8328	12.338	1.0032	960.52
128	62115-4	6.2741	-5.5032	34.082	19.572	941.814
129	62112-1	1.2229	1.7037	-.84472	-1.9828	958.779
130	62145-1	729.44	723.08	1.5025	1.9399	962.968
131	CCV	514.30	506.66	5074.2	4929.5	976.797
132	CCB	2.8935	-4.7727	9.3319	4.4888	970.317
133	PBW 183043	2.6155	-2.1510	1.3970	-4.6498	968.395
134	PBW 50	-1.9970	-2.0064	-.67204	-4.5952	951.907
135	LCSW-1	540.82	534.42	2136.2	2070.7	970.438
136	62145-1	9047.0	8999.5	9.7126	4.2204	985.131
137	62145-1L	1834.1	1832.8	6.1144	-.42553	973.161
138	62145-1A	9342.9	9281.3	2032.1	1970.7	982.615
139	62145-1S	11419.	11283.	1973.2	1904.2	978.655
140	62145-1SD	18271.	18088.	2095.8	2022.9	958.059

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
141	62146-1	32.323	20.164	8.2703	1.4436	977.998
142	62146-2	30.993	26.874	14.304	-8.5824	972.693
143	CCV	504.59	501.89	5049.4	4896.6	956.673
144	CCB	-.44950	-1.7382	-.22550	.31271	963.846
145	61966-1	203.61	189.43	5.9217	-4.4276	942.736
146	62095-1	6.2540	-2.6457	13.019	-16.345	967.527
147	62025-1	56.291	65.306	-3.8423	-7.1609	932.211
148	62115-1	333.37	304.91	47.500	24.535	884.002
149	62115-2	440.42	384.25	49.779	14.309	881.194
150	62115-3	406.02	368.37	44.325	14.803	869.143
151	62115-4	442.60	416.05	155.70	87.502	854.352
152	CCV	504.08	490.25	5038.5	4822.9	943.618
153	CCB	22.973	-14.850	35.867	-4.9563	944.914
154	PBW 182771	.00450	-1.9714	.36056	-7.4655	956.43
155	LCSW-1	544.73	536.49	2180.1	2102.9	962.64
156	LCSW-2	522.67	516.88	2103.9	2015.1	958.342
157	61970-1	1.1274	6.4636	-6.6656	2.2216	961.249
158	61970-2	1526.8	1512.4	-.66708	-5.2656	943.938
159	61970-3	430.32	417.67	-.47869	-5.4153	953.842
160	61970-4	2716.1	2692.1	-1.9226	-7.4050	928.427
161	CCV	513.50	500.98	5068.4	4883.0	956.007
162	CCB	3.3957	-2.9266	11.895	3.5921	960.403
163	61970-5	1349.5	1327.3	10.235	2.1558	937.899
164	61970-6	6493.9	6427.4	7.7536	-5.7833	961.501
165	61970-7	21.496	15.205	9.1644	-1.7267	960.475
166	61970-8	8.4253	4.6859	4.9322	-.01921	966.42
167	61970-9	6.1201	.52093	4.7001	6.1326	962.716
168	61970-10	42.717	26.498	12.700	2.1115	922.306
169	61970-11	26.480	20.434	-4.5720	-5.0024	928.993
170	61970-12	8611.6	8476.5	4.6723	-3.6500	876.811
171	61970-13	13620.	13468.	8.5655	-.40119	911.731
172	CCV	517.85	505.21	5121.1	4904.5	957.645
173	CCB	-3.9061	-2.3930	5.4713	-5.7551	951.917
174	61970-14	6975.0	6904.9	-7.5710	-11.084	917.316
175	61970-15	12.311	4.7496	4.9103	-8.7104	952.96
176	61970-16	108030.	106950.	5.3688	4.5406	940.315
177	61970-17	525.79	515.05	3.1604	-3.7099	951.003
178	61970-18	9203.1	9035.5	11.360	-7.4147	927.594
179	61970-19	48.518	49.208	.58177	-.04278	949.45
180	61970-20	473.89	470.60	-.21901	.07977	952.006
181	CCV	505.09	500.84	5091.4	4859.1	936.747
182	CCB	2.1710	-2.9162	5.1333	3.6171	940.338
183	61878-1	5.3118	-1.2742	-.61502	.86054	951.939
184	61938-1 1/100	3.6797	-4.5712	9.0040	.63592	936.616
185	61938-2 1/100	2.4236	-4.4759	6.9127	.74582	931.828
186	61938-2 1/500	1.4651	-1.3095	.62686	1.3892	940.802
187	61938-3 1/500	.98006	-3.3275	3.9534	-5.4575	940.774
188	CCV	500.94	486.19	4996.4	4813.1	931.464
189	CCB	15.953	-9.9141	17.992	5.7935	931.702
190	CCV	502.81	490.90	5003.9	4860.1	943.735
191	CCB	2.9916	-2.0413	7.0856	-.96802	942.907
192	PBW 183192	134.17	148.71	540.27	625.58	951.489
193	PBW 183192	7.3053	-7.8535	9.3544	-4.7892	952.213
194	LCSW-1	517.07	511.52	2084.0	2031.7	957.883

#	Sample Name	2203/1	2203/2	1960/1	1960/2	*Y
195	62237-1	42.351	35.748	6.9675	2.1951	975.19
196	62237-2	41.119	27.749	10.862	-3.1126	976.378
197	62237-3	51.901	28.269	18.841	5.4157	981.477
198	62237-4	34.483	29.161	14.697	3.3262	982.683
199	62237-5	39.882	27.833	10.414	-.38508	979.24
200	62237-6	42.988	27.311	14.349	-.30643	982.363
201	62237-7	39.999	27.614	15.194	2.4341	973.242
202	CCV	510.67	500.78	5053.0	4965.4	962.109
203	CCB	-6.4093	1.9741	-.45795	5.8987	956.713
204	62237-8	46.831	23.590	7.4254	4.6508	978.075
205	62237-8L	9.7584	8.6748	3.1854	-.87784	973.998
206	62237-8A	478.51	529.51	1930.1	2146.6	963.346
207	62190-1	1284.6	1273.2	19.060	11.385	985.918
208	62190-1S	2330.1	2333.8	2066.2	2031.4	974.758
209	62190-1SD	1992.4	1980.5	2006.7	1988.7	980.505
210	CCV	504.81	508.07	5049.8	4993.5	956.484
211	CCB	-3.6523	.15203	2.7011	-1.0526	951.205
212	61963-36 1/100	5.3485	-5.3887	13.199	-2.5020	948.136
213	61963-43 1/100	.19208	-2.8438	9.9940	-2.6786	945.684
214	62048-1 1/100	2.7971	-5.5915	5.6305	-2.8471	944.968
215	61970-16 1/10	10454.	10768.	-19.235	-.25609	958.518
216	PBS 183043	3.0421	-1.3261	10.248	-1.4916	950.94
217	62095-1	6.9459	-.05127	16.694	-8.8695	984.938
218	62025-1	65.360	68.180	.47677	5.8026	941.386
219	CCV	505.44	497.96	5018.9	4977.5	959.899
220	CCB	3.6194	-3.4000	8.8483	2.1140	962.77
221	62048-1 1/500	3.3114	-4.4355	5.1136	5.7513	974.988
222	61878-1	6.7468	-5.6646	9.4204	-1.8054	988.699
223	RL ICP	5.3719	10.747	25.253	19.680	978.813
224	ICSA61	29.439	-19.556	11.104	-2.0075	895.392
225	ICSAB61	77.042	28.265	70.357	50.546	894.289
226	CCV	513.23	505.69	5051.6	5067.1	974.592
227	CCB	-.16857	-1.1500	1.8554	-4.3268	973.422

Method: 2PTTR2 Standard Name: CALBLK Operator: BCB
Run Time: 10/18/10 16:31:29
Comment:
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	.0038058	.6291796	.6291796	-.015142	.0922583	-.011936	-.056902
SDev	.0121600	.0588376	.0588376	.198186	.0179617	.011458	.000493
%RSD	319.5114	9.351484	9.351484	1308.846	19.46889	95.99334	.8667905
#1	-.004793	.5875751	.5875751	-.155281	.0795575	-.003834	-.056553
#2	.0124043	.6707841	.6707841	.1249968	.1049591	-.020038	-.057250
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	.0860801	-.007154	-.002459	.0104720	.2007919	-.004756	-.004756
SDev	.0056868	.011473	.042611	.0297208	.0250512	.016214	.016214
%RSD	6.606369	160.3693	1732.580	283.8120	12.47619	340.9506	340.9506
#1	.0901012	.0009585	-.032590	-.010544	.1830780	.0067097	.0067097
#2	.0820589	-.015267	.0276710	.0314877	.2185058	-.016221	-.016221
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	.1650561	.0019105	.0019105	.0157547	-.000917	.0038319	-.050090
SDev	.0539536	.0013463	.0013463	.0155028	.024342	.0040697	.073549
%RSD	32.68806	70.46917	70.46917	98.40074	2653.910	106.2065	146.8339
#1	.2032071	.0009585	.0009585	.0047926	.0162949	.0067097	.0019171
#2	.1269051	.0028625	.0028625	.0267169	-.018129	.0009542	-.102097
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	.0684996	-.033914	.0157721	-.002904	-.060845	.0047774	.0066836
SDev	.0752827	.022207	.0046829	.021649	.072553	.0026896	.0067409
%RSD	109.9022	65.47863	29.69115	745.5258	119.2434	56.29812	100.8575
#1	.1217325	-.018212	.0124608	-.018212	-.112147	.0028756	.0019171
#2	.0152668	-.049617	.0190835	.0124043	-.009542	.0066792	.0114501
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	-.076914	.1640570	-.181622	.0071172
SDev	.341929	.2699672	.349030	.0344652
%RSD	444.5599	164.5570	192.1739	484.2556
#1	.1648661	-.026839	.0651796	-.017253
#2	-.318694	.3549526	-.428424	.0314877
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1046	--	--	--	--	--	--
SDev	3.363246	--	--	--	--	--	--
%RSD	.3216419	--	--	--	--	--	--
#1	1043	--	--	--	--	--	--
#2	1048	--	--	--	--	--	--

Method: 2PTTR2 Standard Name: HIGH STD Operator: BCB
Run Time: 10/18/10 16:35:45
Comment: 00034
Correction Factor: 1

Elem	Ag	Al	2Al	As	B	Ba	Be
Avge	16.99494	51.45049	51.44762	35.74343	178.1105	677.0488	111.5449
SDev	.02739	.02685	.02821	.30971	.3677	.0619	.1772
%RSD	.1611461	.0521911	.0548261	.8664882	.2064682	.0091474	.1588865
#1	17.01431	51.43151	51.42767	35.52443	177.8505	677.0050	111.4196
#2	16.97558	51.46948	51.46756	35.96243	178.3706	677.0926	111.6702
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Ca	Cd	Co	Cr	Cu	Fe	2Fe
Avge	16.62168	70.61873	31.38222	217.9049	233.5383	7.802514	7.802514
SDev	.02415	.20312	.15444	.4223	.0232	.000130	.000130
%RSD	.1452666	.2876360	.4921286	.1938221	.0099146	.0016680	.0016680
#1	16.60461	70.47510	31.27301	217.6062	233.5219	7.802422	7.802422
#2	16.63876	70.76236	31.49142	218.2035	233.5547	7.802606	7.802606
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	K	Mg	2Mg	Mn	Mo	Na	Ni
Avge	78.09332	3.284369	3.284369	701.9636	11.31467	1.328956	237.2684
SDev	.04204	.009637	.009637	1.0731	.06596	.028619	.3986
%RSD	.0538351	.2934138	.2934138	.1528759	.5829790	2.153506	.1679954
#1	78.12305	3.277554	3.277554	701.2048	11.26803	1.308719	236.9866
#2	78.06359	3.291183	3.291183	702.7224	11.36132	1.349193	237.5503
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	Sb	Sn	Sr	Ti	Tl	V	Zn
Avge	15.53577	192.9223	641.9602	39.24994	142.8730	166.4479	76.49181
SDev	.06919	.8134	1.6542	.02969	.4912	.1543	.26034
%RSD	.4453612	.4216235	.2576822	.0756372	.3438218	.0926899	.3403529
#1	15.58469	192.3472	643.1299	39.22895	142.5257	166.3388	76.30772
#2	15.48685	193.4975	640.7905	39.27094	143.2203	166.5570	76.67590
Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

Elem	2203/1	2203/2	1960/1	1960/2
Avge	55.39859	54.87643	180.6117	155.2163
SDev	.24376	.33983	.7379	.5002

%RSD	.4400182	.6192573	.4085443	.3222914
#1	55.22622	54.63614	180.0899	154.8625
#2	55.57095	55.11673	181.1334	155.5700
Factor	1.000000	1.000000	1.000000	1.000000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1041	--	--	--	--	--	--
SDev	2.192359	--	--	--	--	--	--
%RSD	.2106639	--	--	--	--	--	--
#1	1042	--	--	--	--	--	--
#2	1039	--	--	--	--	--	--

Method: 2PTTR2
Mode: Concentration
Standards Table: 2PTONLY
Data File: DD101810

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
Ag	328.068	10/18/10 04:40	Linear	1.000000
Al	308.215	10/18/10 04:40	Linear	1.000000
2Al	308.215	10/18/10 04:40	Linear	1.000000
As	189.042/2	10/18/10 04:40	Linear	1.000000
B	249.678/2	10/18/10 04:40	Linear	1.000000
Ba	493.409	10/18/10 04:40	Linear	1.000000
Be	313.042	10/18/10 04:40	Linear	1.000000
Ca	317.933	10/18/10 04:40	Linear	1.000000
Cd	226.502/2	10/18/10 04:40	Linear	1.000000
Co	228.616	10/18/10 04:40	Linear	1.000000
Cr	267.716	10/18/10 04:40	Linear	1.000000
Cu	324.753	10/18/10 04:40	Linear	1.000000
Fe	271.441	10/18/10 04:40	Linear	1.000000
2Fe	271.441	10/18/10 04:40	Linear	1.000000
K	766.491	10/18/10 04:40	Linear	1.000000
Mg	279.078	10/18/10 04:40	Linear	1.000000
2Mg	279.078	10/18/10 04:40	Linear	1.000000
Mn	257.610	10/18/10 04:40	Linear	1.000000
Mo	202.030/2	10/18/10 04:40	Linear	1.000000
Na	330.231	10/18/10 04:40	Linear	1.000000
Ni	231.604/2	10/18/10 04:40	Linear	1.000000
Sb	206.838/2	10/18/10 04:40	Linear	1.000000
Sn	189.989	10/18/10 04:40	Linear	1.000000
Sr	421.542	10/18/10 04:40	Linear	1.000000
Ti	334.941	10/18/10 04:40	Linear	1.000000
Tl	190.864/2	10/18/10 04:40	Linear	1.000000
V	292.402	10/18/10 04:40	Linear	1.000000
Zn	206.200	10/18/10 04:40	Linear	1.000000
2203/1	220.351	10/18/10 04:40	Linear	1.000000
2203/2	220.352/2	10/18/10 04:40	Linear	1.000000

Element	Wavelength	Date-of-Fit	Type-of-Fit	Correlation
1960/1	196.021	10/18/10 04:40	Linear	1.000000
1960/2	196.022/2	10/18/10 04:40	Linear	1.000000

Element:	Ag	Al	2Al	As	B
Wavelength:	328.068	308.215	308.215	189.042/2	249.678/2
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	04/27/99	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	16:03	STDIZED
Offset (A0):	.003806	.62918	.62918	-.015142	.092258
Gain (A1):	.016991	.004992	4.9915	.037006	.017804
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	10/18/10	10/18/10	10/18/10	10/18/10	10/18/10
Time of Fit:	16:40	16:40	16:40	16:40	16:40

Element:	Ba	Be	Ca	Cd	Co
Wavelength:	493.409	313.042	317.933	226.502/2	228.616
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.011936	-.056902	.08608	-.007154	-.002459
Gain (A1):	.067706	.11159	.001654	.070585	.031393
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	10/18/10	10/18/10	10/18/10	10/18/10	10/18/10
Time of Fit:	16:40	16:40	16:40	16:40	16:40

Element:	Cr	Cu	Fe	2Fe	K
Wavelength:	267.716	324.753	271.441	271.441	766.491
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1

Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	.010472	.200792	-.004756	-.004756	.165056
Gain (A1):	.021794	.023336	.000788	.788295	.003896
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	10/18/10	10/18/10	10/18/10	10/18/10	10/18/10
Time of Fit:	16:40	16:40	16:40	16:40	16:40

Element:	Mg	2Mg	Mn	Mo	Na
Wavelength:	279.078	279.078	257.610	202.030/2	330.231
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	.001911	.001911	.015755	-.000917	.003832
Gain (A1):	.000331	.330893	.070202	.011316	.000091
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	10/18/10	10/18/10	10/18/10	10/18/10	10/18/10
Time of Fit:	16:40	16:40	16:40	16:40	16:40

Element:	Ni	Sm	Sm	Sb	Sn
Wavelength:	231.604/2	220.353	196.026	206.838/2	189.989
Y - intercept:	0	0	0	0	0
Slope:	1	0	0	1	1
Date Standardized:	NOT	NOT	NOT	NOT	NOT
Time Standardized:	STDIZED	STDIZED	STDIZED	STDIZED	STDIZED
Offset (A0):	-.05009	0	0	.0685	-.033914
Gain (A1):	.047469	1	1	.014643	.019299
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	10/18/10	NO FIT	NO FIT	10/18/10	10/18/10
Time of Fit:	16:40			16:40	16:40

Element:	Sr	Ti	Tl	V	Zn
Wavelength:	421.542	334.941	190.864/2	292.402	206.200
Y - intercept:	0	0	0	0	0
Slope:	1	1	1	1	1
Date Standardized:	NOT	NOT	04/27/99	NOT	NOT
Time Standardized:	STDIZED	STDIZED	16:03	STDIZED	STDIZED
Offset (A0):	.015772	-.002904	-.060845	.004777	.006684
Gain (A1):	.128389	.039256	.014341	.016716	.015341
Curvature (A2):	0	0	0	0	0
Exponent (n):	1	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE	NONE
Date of Fit:	10/18/10	10/18/10	10/18/10	10/18/10	10/18/10
Time of Fit:	16:40	16:40	16:40	16:40	16:40

Element:	Pb	Pb	Se	Se
Wavelength:	220.351	220.352/2	196.021	196.022/2
Y - intercept:	0	0	0	0
Slope:	1	1	1	1
Date Standardized:	04/27/99	04/27/99	04/27/99	04/27/99
Time Standardized:	16:03	16:03	16:03	16:03
Offset (A0):	-.076914	.164057	-.181622	.007117
Gain (A1):	.055035	.054948	.018072	.01552
Curvature (A2):	0	0	0	0
Exponent (n):	1	1	1	1
Max. Inflection:	NONE	NONE	NONE	NONE
Date of Fit:	10/18/10	10/18/10	10/18/10	10/18/10
Time of Fit:	16:40	16:40	16:40	16:40

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
HIGH STD 00034	Ag	988.56872	985.05810	992.07940	0.50222	ug/L	10/18/10	16:40	
HIGH STD 00034	Al	9934.72656	9914.62011	9954.83398	0.28622	ug/L	10/18/10	16:40	
HIGH STD 00034	2Al	9.93472	9.91461	9.95483	0.28622	mg/L	10/18/10	16:40	
HIGH STD 00034	As	1003.99713	1010.58795	997.40631	0.92837	ug/L	10/18/10	16:40	
HIGH STD 00034	B	9987.08105	9976.78613	9997.37597	0.14578	ug/L	10/18/10	16:40	
HIGH STD 00034	Ba	9974.33007	9957.43847	9991.22167	0.23949	ug/L	10/18/10	16:40	
HIGH STD 00034	Be	1000.69824	998.70703	1002.68939	0.28139	ug/L	10/18/10	16:40	
HIGH STD 00034	Ca	9727.07128	9703.81542	9750.32714	0.33811	ug/L	10/18/10	16:40	
HIGH STD 00034	Cd	997.34143	994.18017	1000.50268	0.44826	ug/L	10/18/10	16:40	
HIGH STD 00034	Co	1000.91894	997.31481	1004.52307	0.50923	ug/L	10/18/10	16:40	
HIGH STD 00034	Cr	10017.82519	9990.62109	10045.02929	0.38403	ug/L	10/18/10	16:40	
HIGH STD 00034	Cu	9944.06054	9926.22949	9961.89257	0.25359	ug/L	10/18/10	16:40	
HIGH STD 00034	Fe	9942.11718	9924.24023	9959.99511	0.25429	ug/L	10/18/10	16:40	
HIGH STD 00034	2Fe	9.94212	9.92424	9.96000	0.25430	mg/L	10/18/10	16:40	
HIGH STD 00034	K	19962.81835	19897.76757	20027.86914	0.46083	ug/L	10/18/10	16:40	
HIGH STD 00034	Mg	10011.96093	9991.35351	10032.56835	0.29108	ug/L	10/18/10	16:40	
HIGH STD 00034	2Mg	10.01196	9.99135	10.03257	0.29107	mg/L	10/18/10	16:40	
HIGH STD 00034	Mn	9994.50195	9977.50000	10011.50390	0.24057	ug/L	10/18/10	16:40	
HIGH STD 00034	Mo	1006.13684	1001.63745	1010.63623	0.63242	ug/L	10/18/10	16:40	
HIGH STD 00034	Na	14493.42480	14188.58691	14798.26269	2.97449	ug/L	10/18/10	16:40	
HIGH STD 00034	Ni	5011.03906	4996.05664	5026.02099	0.42282	ug/L	10/18/10	16:40	
HIGH STD 00034	Pb	999.57659	994.86419	1004.28900	0.66671	ug/L	10/18/10	16:40	
HIGH STD 00034	Se	9964.04687	9917.00585	10011.08691	0.66765	ug/L	10/18/10	16:40	
HIGH STD 00034	Sb	995.60797	984.86309	1006.35284	1.52625	ug/L	10/18/10	16:40	
HIGH STD 00034	Sn	9970.42968	9944.01757	9996.84082	0.37462	ug/L	10/18/10	16:40	
HIGH STD 00034	Sr	5001.20458	5009.41796	4992.99121	0.23225	ug/L	10/18/10	16:40	
HIGH STD 00034	Ti	997.41180	996.64093	998.18267	0.10930	ug/L	10/18/10	16:40	
HIGH STD 00034	Tl	9981.95214	9962.30859	10001.59570	0.27830	ug/L	10/18/10	16:40	
HIGH STD 00034	V	9972.85156	9957.22753	9988.47558	0.22155	ug/L	10/18/10	16:40	
HIGH STD 00034	Zn	4981.93847	4970.86962	4993.00732	0.31420	ug/L	10/18/10	16:40	
HIGH STD 00034	2203/1	1005.46154	991.22955	1019.69360	2.00177	ug/L	10/18/10	16:40	
HIGH STD 00034	2203/2	996.63854	996.67883	996.59820	0.00572	ug/L	10/18/10	16:40	
HIGH STD 00034	1960/1	9975.54785	9891.37304	10059.72265	1.19332	ug/L	10/18/10	16:40	
HIGH STD 00034	1960/2	9958.30468	9929.80273	9986.80566	0.40475	ug/L	10/18/10	16:40	
HIGH STD 00034	Y	1044.75659	1047.36486	1042.14843	0.35305		10/18/10	16:40	
ICVP 00190	Ag	986.13848	988.81292	983.46405	0.38353	ug/L	10/18/10	16:49	
ICVP 00190	Al	994.41680	1000.27862	988.55499	0.83364	ug/L	10/18/10	16:49	
ICVP 00190	2Al	0.99447	1.00033	0.98861	0.83364	mg/L	10/18/10	16:49	
ICVP 00190	As	1012.83483	1020.94769	1004.72192	1.13279	ug/L	10/18/10	16:49	
ICVP 00190	B	1015.32360	1017.34747	1013.29968	0.28190	ug/L	10/18/10	16:49	
ICVP 00190	Ba	1013.34954	1015.57702	1011.12207	0.31086	ug/L	10/18/10	16:49	
ICVP 00190	Be	1004.85949	1009.13153	1000.58740	0.60123	ug/L	10/18/10	16:49	
ICVP 00190	Ca	995.44702	999.37200	991.52197	0.55762	ug/L	10/18/10	16:49	
ICVP 00190	Cd	1008.04040	1011.33764	1004.74322	0.46257	ug/L	10/18/10	16:49	
ICVP 00190	Co	1008.74328	1011.97283	1005.51373	0.45276	ug/L	10/18/10	16:49	
ICVP 00190	Cr	1015.01007	1018.98657	1011.03356	0.55404	ug/L	10/18/10	16:49	
ICVP 00190	Cu	1011.86145	1013.73284	1009.98999	0.26155	ug/L	10/18/10	16:49	
ICVP 00190	Fe	993.16223	985.96746	1000.35699	1.02449	ug/L	10/18/10	16:49	
ICVP 00190	2Fe	0.99345	0.98626	1.00064	1.02389	mg/L	10/18/10	16:49	
ICVP 00190	K	19357.47460	19384.62695	19330.32226	0.19836	ug/L	10/18/10	16:49	
ICVP 00190	Mg	1002.04833	1008.34509	995.75164	0.88867	ug/L	10/18/10	16:49	
ICVP 00190	2Mg	1.00205	1.00835	0.99575	0.88882	mg/L	10/18/10	16:49	
ICVP 00190	Mn	1010.44732	1014.09051	1006.80413	0.50989	ug/L	10/18/10	16:49	
ICVP 00190	Mo	1017.19799	1022.65203	1011.74395	0.75827	ug/L	10/18/10	16:49	
ICVP 00190	Na	9645.20214	9716.96582	9573.43847	1.05222	ug/L	10/18/10	16:49	
ICVP 00190	Ni	1009.93151	1014.25677	1005.60626	0.60566	ug/L	10/18/10	16:49	
ICVP 00190	Pb	1007.78466	1011.88262	1003.68676	0.57505	ug/L	10/18/10	16:49	
ICVP 00190	Se	1012.33984	1015.74645	1008.93328	0.47589	ug/L	10/18/10	16:49	
ICVP 00190	Sb	964.95819	969.44519	960.47119	0.65760	ug/L	10/18/10	16:49	
ICVP 00190	Sn	1000.55371	1005.04052	996.06695	0.63417	ug/L	10/18/10	16:49	
ICVP 00190	Sr	1023.74829	1026.25012	1021.24645	0.34560	ug/L	10/18/10	16:49	
ICVP 00190	Ti	990.36694	993.13793	987.59588	0.39569	ug/L	10/18/10	16:49	
ICVP 00190	Tl	988.04980	985.70922	990.39031	0.33500	ug/L	10/18/10	16:49	
ICVP 00190	V	992.55151	995.15863	989.94439	0.37146	ug/L	10/18/10	16:49	
ICVP 00190	Zn	1012.09643	1016.59765	1007.59515	0.62896	ug/L	10/18/10	16:49	
ICVP 00190	2203/1	1001.11224	1006.79162	995.43286	0.80229	ug/L	10/18/10	16:49	
ICVP 00190	2203/2	1011.11584	1014.42425	1007.80749	0.46273	ug/L	10/18/10	16:49	
ICVP 00190	1960/1	1013.03698	1017.40100	1008.67291	0.60922	ug/L	10/18/10	16:49	
ICVP 00190	1960/2	1011.99182	1014.92041	1009.06329	0.40925	ug/L	10/18/10	16:49	
ICVP 00190	Y	1050.45141	1051.42199	1049.48083	0.13066		10/18/10	16:49	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICB	Ag	0.89984	0.89846	0.90121	0.21642	ug/L	10/18/10	16:56	
ICB	Al	-10.51924	-15.44084	-5.59764	66.16629	ug/L	10/18/10	16:56	
ICB	2Al	-0.01051	-0.01544	-0.00559	66.16616	mg/L	10/18/10	16:56	
ICB	As	1.24407	1.64375	0.84439	45.43423	ug/L	10/18/10	16:56	
ICB	B	5.75840	5.58418	5.93261	4.27854	ug/L	10/18/10	16:56	
ICB	Ba	0.16217	0.17628	0.14805	12.31231	ug/L	10/18/10	16:56	
ICB	Be	0.02222	0.02286	0.02157	4.10005	ug/L	10/18/10	16:56	
ICB	Ca	-1.82304	-2.46192	-1.18417	49.55988	ug/L	10/18/10	16:56	
ICB	Cd	0.32427	0.37129	0.27725	20.50690	ug/L	10/18/10	16:56	
ICB	Co	-0.21031	-0.10196	-0.31866	72.85834	ug/L	10/18/10	16:56	
ICB	Cr	-0.94059	-0.78671	-1.09446	23.13548	ug/L	10/18/10	16:56	
ICB	Cu	-0.17632	-0.06402	-0.28862	90.06925	ug/L	10/18/10	16:56	
ICB	Fe	3.02740	3.62722	2.42758	28.01997	ug/L	10/18/10	16:56	
ICB	2Fe	0.00302	0.00362	0.00242	28.02135	mg/L	10/18/10	16:56	
ICB	K	13.62691	15.64110	11.61272	20.90341	ug/L	10/18/10	16:56	
ICB	Mg	-8.66278	-8.65868	-8.66689	0.06699	ug/L	10/18/10	16:56	
ICB	2Mg	-0.00866	-0.00865	-0.00866	0.06571	mg/L	10/18/10	16:56	
ICB	Mn	-0.21759	-0.15641	-0.27878	39.76349	ug/L	10/18/10	16:56	
ICB	Mo	-0.00414	0.67096	-0.67925	23025.39648	ug/L	10/18/10	16:56	
ICB	Na	31.33405	52.31689	10.35122	94.70274	ug/L	10/18/10	16:56	
ICB	Ni	0.87552	0.33206	1.41898	87.78419	ug/L	10/18/10	16:56	
ICB	Pb	-2.31854	-3.22292	-1.41415	55.16372	ug/L	10/18/10	16:56	
ICB	Se	6.69337	6.86560	6.52113	3.63907	ug/L	10/18/10	16:56	
ICB	Sb	1.16480	0.09006	2.23953	130.48596	ug/L	10/18/10	16:56	
ICB	Sn	2.74967	1.60888	3.89046	58.67301	ug/L	10/18/10	16:56	
ICB	Sr	-0.08568	-0.07085	-0.10050	24.47290	ug/L	10/18/10	16:56	
ICB	Ti	-0.20572	-0.21754	-0.19389	8.12759	ug/L	10/18/10	16:56	
ICB	Tl	-0.85066	-0.41145	-1.28987	73.01726	ug/L	10/18/10	16:56	
ICB	V	0.36480	0.27944	0.45016	33.09246	ug/L	10/18/10	16:56	
ICB	Zn	0.15411	0.24696	0.06126	85.20288	ug/L	10/18/10	16:56	
ICB	2203/1	6.34489	7.92015	4.76964	35.11082	ug/L	10/18/10	16:56	
ICB	2203/2	-6.64376	-8.78611	-4.50142	45.60266	ug/L	10/18/10	16:56	
ICB	1960/1	16.32855	23.13596	9.52113	58.95893	ug/L	10/18/10	16:56	
ICB	1960/2	1.88300	-1.25737	5.02338	235.85548	ug/L	10/18/10	16:56	
ICB	Y	1047.38781	1048.67126	1046.10437	0.17329		10/18/10	16:56	
RL ICP 00045	Ag	10.73172	10.64435	10.81909	1.15134	ug/L	10/18/10	17:08	
RL ICP 00045	Al	194.02301	198.30827	189.73776	3.12347	ug/L	10/18/10	17:08	
RL ICP 00045	2Al	0.19403	0.19832	0.18975	3.12348	mg/L	10/18/10	17:08	
RL ICP 00045	As	15.08337	16.08304	14.08369	9.37294	ug/L	10/18/10	17:08	
RL ICP 00045	B	101.46590	102.98651	99.94529	2.11939	ug/L	10/18/10	17:08	
RL ICP 00045	Ba	10.44950	10.57999	10.31900	1.76611	ug/L	10/18/10	17:08	
RL ICP 00045	Be	3.90644	3.94802	3.86486	1.50524	ug/L	10/18/10	17:08	
RL ICP 00045	Ca	493.22814	494.21594	492.24035	0.28322	ug/L	10/18/10	17:08	
RL ICP 00045	Cd	5.04888	5.22179	4.87598	4.84311	ug/L	10/18/10	17:08	
RL ICP 00045	Co	8.72724	9.60171	7.85277	14.17044	ug/L	10/18/10	17:08	
RL ICP 00045	Cr	8.78390	9.04330	8.52450	4.17632	ug/L	10/18/10	17:08	
RL ICP 00045	Cu	18.61029	18.88772	18.33286	2.10824	ug/L	10/18/10	17:08	
RL ICP 00045	Fe	59.33920	75.57302	43.10538	38.68958	ug/L	10/18/10	17:08	
RL ICP 00045	2Fe	0.05933	0.07556	0.04310	38.68781	mg/L	10/18/10	17:08	
RL ICP 00045	K	1000.73693	1004.69824	996.77569	0.55979	ug/L	10/18/10	17:08	
RL ICP 00045	Mg	486.51199	489.24438	483.77960	0.79426	ug/L	10/18/10	17:08	
RL ICP 00045	2Mg	0.48636	0.48909	0.48363	0.79343	mg/L	10/18/10	17:08	
RL ICP 00045	Mn	9.58003	9.56352	9.59654	0.24373	ug/L	10/18/10	17:08	
RL ICP 00045	Mo	10.30514	9.50265	11.10762	11.01280	ug/L	10/18/10	17:08	
RL ICP 00045	Na	913.50402	1055.34753	771.66046	21.95907	ug/L	10/18/10	17:08	
RL ICP 00045	Ni	41.13510	42.15661	40.11359	3.51191	ug/L	10/18/10	17:08	
RL ICP 00045	Pb	7.62216	8.98024	6.26408	25.19775	ug/L	10/18/10	17:08	
RL ICP 00045	Se	26.03383	28.92694	23.14071	15.71603	ug/L	10/18/10	17:08	
RL ICP 00045	Sb	22.24720	23.26667	21.22772	6.48059	ug/L	10/18/10	17:08	
RL ICP 00045	Sn	51.94712	51.66223	52.23201	0.77559	ug/L	10/18/10	17:08	
RL ICP 00045	Sr	10.08197	10.15305	10.01089	0.99703	ug/L	10/18/10	17:08	
RL ICP 00045	Ti	9.20999	9.55894	8.86103	5.35823	ug/L	10/18/10	17:08	
RL ICP 00045	Tl	27.82727	29.88470	25.76984	10.45610	ug/L	10/18/10	17:08	
RL ICP 00045	V	10.86096	11.14404	10.57788	3.68601	ug/L	10/18/10	17:08	
RL ICP 00045	Zn	20.64875	20.85999	20.43751	1.44676	ug/L	10/18/10	17:08	
RL ICP 00045	2203/1	16.89897	16.29397	17.50397	5.06301	ug/L	10/18/10	17:08	
RL ICP 00045	2203/2	2.99070	5.32885	0.65256	110.56375	ug/L	10/18/10	17:08	
RL ICP 00045	1960/1	34.12361	35.69757	32.54964	6.52312	ug/L	10/18/10	17:08	
RL ICP 00045	1960/2	21.99498	25.54668	18.44327	22.83641	ug/L	10/18/10	17:08	
RL ICP 00045	Y	1050.23059	1050.54797	1049.91320	0.04273		10/18/10	17:08	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP 00045	Ag	9.75693	9.59132	9.92254	2.40046	ug/L	10/18/10	17:20	
RL ICP 00045	Al	195.76786	199.75704	191.77868	2.88175	ug/L	10/18/10	17:20	
RL ICP 00045	2Al	0.19578	0.19977	0.19179	2.88175	mg/L	10/18/10	17:20	
RL ICP 00045	As	22.55576	24.33008	20.78145	11.12468	ug/L	10/18/10	17:20	
RL ICP 00045	B	100.79550	101.25388	100.33712	0.64313	ug/L	10/18/10	17:20	
RL ICP 00045	Ba	10.37622	10.39089	10.36155	0.19990	ug/L	10/18/10	17:20	
RL ICP 00045	Be	3.92992	3.92177	3.93807	0.29318	ug/L	10/18/10	17:20	
RL ICP 00045	Ca	497.17703	498.92712	495.42694	0.49781	ug/L	10/18/10	17:20	
RL ICP 00045	Cd	4.96939	4.87593	5.06285	2.65972	ug/L	10/18/10	17:20	
RL ICP 00045	Co	9.50954	10.02215	8.99692	7.62339	ug/L	10/18/10	17:20	
RL ICP 00045	Cr	8.88091	9.76779	7.99403	14.12280	ug/L	10/18/10	17:20	
RL ICP 00045	Cu	20.12022	20.06163	20.17881	0.41183	ug/L	10/18/10	17:20	
RL ICP 00045	Fe	71.85368	78.39285	65.31450	12.87030	ug/L	10/18/10	17:20	
RL ICP 00045	2Fe	0.07184	0.07838	0.06531	12.86987	mg/L	10/18/10	17:20	
RL ICP 00045	K	978.03466	979.56072	976.50866	0.22066	ug/L	10/18/10	17:20	
RL ICP 00045	Mg	492.72882	492.76696	492.69064	0.01095	ug/L	10/18/10	17:20	
RL ICP 00045	2Mg	0.49258	0.49261	0.49254	0.01062	mg/L	10/18/10	17:20	
RL ICP 00045	Mn	9.67129	9.70556	9.63702	0.50109	ug/L	10/18/10	17:20	
RL ICP 00045	Mo	11.61281	12.23812	10.98749	7.61506	ug/L	10/18/10	17:20	
RL ICP 00045	Na	1106.46887	1106.46276	1106.47497	0.00078	ug/L	10/18/10	17:20	
RL ICP 00045	Ni	40.36420	41.37882	39.34957	3.55487	ug/L	10/18/10	17:20	
RL ICP 00045	Pb	8.18495	7.63760	8.73229	9.45717	ug/L	10/18/10	17:20	
RL ICP 00045	Se	21.56372	23.10341	20.02404	10.09772	ug/L	10/18/10	17:20	
RL ICP 00045	Sb	18.21759	17.35294	19.08225	6.71223	ug/L	10/18/10	17:20	
RL ICP 00045	Sn	53.19520	53.53952	52.85089	0.91536	ug/L	10/18/10	17:20	
RL ICP 00045	Sr	10.19109	10.21753	10.16465	0.36696	ug/L	10/18/10	17:20	
RL ICP 00045	Ti	9.37802	9.22272	9.53332	2.34196	ug/L	10/18/10	17:20	
RL ICP 00045	Tl	18.84559	16.87778	20.81340	14.76684	ug/L	10/18/10	17:20	
RL ICP 00045	V	9.90106	9.79495	10.00716	1.51553	ug/L	10/18/10	17:20	
RL ICP 00045	Zn	21.13348	21.13634	21.13062	0.01912	ug/L	10/18/10	17:20	
RL ICP 00045	2203/1	13.30064	12.42582	14.17545	9.30159	ug/L	10/18/10	17:20	
RL ICP 00045	2203/2	5.63094	5.24708	6.01480	9.64065	ug/L	10/18/10	17:20	
RL ICP 00045	1960/1	27.97989	24.69696	31.26282	16.59321	ug/L	10/18/10	17:20	
RL ICP 00045	1960/2	18.36042	22.30780	14.41305	30.40471	ug/L	10/18/10	17:20	
RL ICP 00045	Y	1061.39941	1061.32116	1061.47766	0.01042		10/18/10	17:20	
RL ICP 00045	Ag	10.29612	10.87239	9.71985	7.91529	ug/L	10/18/10	17:32	
RL ICP 00045	Al	209.67001	215.01731	204.32272	3.60672	ug/L	10/18/10	17:32	
RL ICP 00045	2Al	0.20968	0.21503	0.20433	3.60672	mg/L	10/18/10	17:32	
RL ICP 00045	As	21.91432	23.42715	20.40150	9.76281	ug/L	10/18/10	17:32	
RL ICP 00045	B	105.19657	105.21648	105.17668	0.02675	ug/L	10/18/10	17:32	
RL ICP 00045	Ba	10.71683	11.07594	10.35773	4.73884	ug/L	10/18/10	17:32	
RL ICP 00045	Be	4.07572	4.11994	4.03151	1.53426	ug/L	10/18/10	17:32	
RL ICP 00045	Ca	516.69262	523.20117	510.18402	1.78142	ug/L	10/18/10	17:32	
RL ICP 00045	Cd	5.13007	5.33229	4.92785	5.57461	ug/L	10/18/10	17:32	
RL ICP 00045	Co	9.69941	9.48423	9.91458	3.13737	ug/L	10/18/10	17:32	
RL ICP 00045	Cr	9.92200	10.53224	9.31176	8.69794	ug/L	10/18/10	17:32	
RL ICP 00045	Cu	21.75445	22.32514	21.18377	3.70990	ug/L	10/18/10	17:32	
RL ICP 00045	Fe	51.03767	63.52594	38.54939	34.60403	ug/L	10/18/10	17:32	
RL ICP 00045	2Fe	0.05103	0.06352	0.03854	34.60129	mg/L	10/18/10	17:32	
RL ICP 00045	K	994.52307	1004.09356	984.95263	1.36092	ug/L	10/18/10	17:32	
RL ICP 00045	Mg	514.51501	523.96905	505.06094	2.59857	ug/L	10/18/10	17:32	
RL ICP 00045	2Mg	0.51436	0.52381	0.50491	2.59803	mg/L	10/18/10	17:32	
RL ICP 00045	Mn	10.30838	10.61123	10.00552	4.15487	ug/L	10/18/10	17:32	
RL ICP 00045	Mo	8.24498	10.09507	6.39489	31.73354	ug/L	10/18/10	17:32	
RL ICP 00045	Na	1047.13769	1108.49035	985.78503	8.28599	ug/L	10/18/10	17:32	
RL ICP 00045	Ni	41.52985	41.96850	41.09120	1.49371	ug/L	10/18/10	17:32	
RL ICP 00045	Pb	9.61745	9.35649	9.87841	3.83737	ug/L	10/18/10	17:32	
RL ICP 00045	Se	21.26408	22.42128	20.10688	7.69621	ug/L	10/18/10	17:32	
RL ICP 00045	Sb	17.63875	19.56810	15.70940	15.46884	ug/L	10/18/10	17:32	
RL ICP 00045	Sn	52.39534	51.47744	53.31325	2.47753	ug/L	10/18/10	17:32	
RL ICP 00045	Sr	10.63320	10.85388	10.41251	2.93509	ug/L	10/18/10	17:32	
RL ICP 00045	Ti	9.90826	9.99917	9.81735	1.29751	ug/L	10/18/10	17:32	
RL ICP 00045	Tl	23.31042	28.69811	17.92274	32.68637	ug/L	10/18/10	17:32	
RL ICP 00045	V	10.42370	11.27340	9.57401	11.52801	ug/L	10/18/10	17:32	
RL ICP 00045	Zn	21.82470	22.35940	21.29000	3.46478	ug/L	10/18/10	17:32	
RL ICP 00045	2203/1	10.79979	9.21480	12.38478	20.75517	ug/L	10/18/10	17:32	
RL ICP 00045	2203/2	9.02716	9.42722	8.62710	6.26740	ug/L	10/18/10	17:32	
RL ICP 00045	1960/1	24.22288	22.53330	25.91245	9.86431	ug/L	10/18/10	17:32	
RL ICP 00045	1960/2	19.78688	22.36534	17.20842	18.42882	ug/L	10/18/10	17:32	
RL ICP 00045	Y	1042.96948	1050.17395	1035.76501	0.97688		10/18/10	17:32	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSA61 00022	Ag	1.03478	1.24634	0.82322	28.91317	ug/L	10/18/10	17:37	
ICSA61 00022	Al	501702.25000	501259.25000	502145.25000	0.12487	ug/L	10/18/10	17:37	
ICSA61 00022	2Al	501.68768	501.24954	502.12579	0.12350	mg/L	10/18/10	17:37	
ICSA61 00022	As	2.75260	2.75453	2.75066	0.09942	ug/L	10/18/10	17:37	
ICSA61 00022	B	14.37177	14.70249	14.04104	3.25438	ug/L	10/18/10	17:37	
ICSA61 00022	Ba	1.23222	1.26787	1.19658	4.09092	ug/L	10/18/10	17:37	
ICSA61 00022	Be	0.07963	0.08082	0.07844	2.11201	ug/L	10/18/10	17:37	
ICSA61 00022	Ca	552521.56250	553424.00000	551619.12500	0.23098	ug/L	10/18/10	17:37	
ICSA61 00022	Cd	0.41461	0.78978	0.03944	127.96549	ug/L	10/18/10	17:37	
ICSA61 00022	Co	0.68616	1.03399	0.33833	71.68964	ug/L	10/18/10	17:37	
ICSA61 00022	Cr	1.40830	2.04968	0.76691	64.40795	ug/L	10/18/10	17:37	
ICSA61 00022	Cu	1.51681	2.02042	1.01321	46.95422	ug/L	10/18/10	17:37	
ICSA61 00022	Fe	202341.93750	202574.82812	202109.04687	0.16277	ug/L	10/18/10	17:37	
ICSA61 00022	2Fe	202.29705	202.53195	202.06216	0.16420	mg/L	10/18/10	17:37	
ICSA61 00022	K	22.32340	26.03032	18.61648	23.48377	ug/L	10/18/10	17:37	
ICSA61 00022	Mg	532289.56250	534019.68750	530559.43750	0.45966	ug/L	10/18/10	17:37	
ICSA61 00022	2Mg	532.05474	533.78918	530.32031	0.46101	mg/L	10/18/10	17:37	
ICSA61 00022	Mn	-1.19672	-1.28076	-1.11268	9.93137	ug/L	10/18/10	17:37	
ICSA61 00022	Mo	-1.53360	-1.39081	-1.67640	13.16785	ug/L	10/18/10	17:37	
ICSA61 00022	Na	182.77572	268.56982	96.98162	66.38254	ug/L	10/18/10	17:37	
ICSA61 00022	Ni	0.65096	0.04945	1.25247	130.67834	ug/L	10/18/10	17:37	
ICSA61 00022	Pb	-4.46357	-6.57665	-2.35049	66.94961	ug/L	10/18/10	17:37	
ICSA61 00022	Se	7.78735	7.45252	8.12218	6.08069	ug/L	10/18/10	17:37	
ICSA61 00022	Sb	1.54941	5.11745	-2.01862	325.66955	ug/L	10/18/10	17:37	
ICSA61 00022	Sn	2.40161	3.66959	1.13363	74.66638	ug/L	10/18/10	17:37	
ICSA61 00022	Sr	2.19011	2.19596	2.18426	0.37777	ug/L	10/18/10	17:37	
ICSA61 00022	Ti	1.43647	1.39890	1.47404	3.69897	ug/L	10/18/10	17:37	
ICSA61 00022	Tl	-7.67882	-9.85656	-5.50109	40.10746	ug/L	10/18/10	17:37	
ICSA61 00022	V	-5.85268	-5.81800	-5.88736	0.83801	ug/L	10/18/10	17:37	
ICSA61 00022	Zn	4.77077	4.99555	4.54599	6.66324	ug/L	10/18/10	17:37	
ICSA61 00022	2203/1	32.49071	31.76217	33.21926	3.17111	ug/L	10/18/10	17:37	
ICSA61 00022	2203/2	-22.91301	-25.71732	-20.10870	17.30845	ug/L	10/18/10	17:37	
ICSA61 00022	1960/1	17.35975	14.08044	20.63905	26.71491	ug/L	10/18/10	17:37	
ICSA61 00022	1960/2	3.00833	4.14352	1.87313	53.36556	ug/L	10/18/10	17:37	
ICSA61 00022	Y	958.04095	960.66894	955.41296	0.38793		10/18/10	17:37	
ICSAB61 00038	Ag	216.60742	216.81683	216.39801	0.13672	ug/L	10/18/10	17:48	
ICSAB61 00038	Al	500686.56250	500359.00000	501014.15625	0.09252	ug/L	10/18/10	17:48	
ICSAB61 00038	2Al	500.67468	500.34790	501.00149	0.09230	mg/L	10/18/10	17:48	
ICSAB61 00038	As	110.21697	113.86937	106.56459	4.68645	ug/L	10/18/10	17:48	
ICSAB61 00038	B	12.50094	12.16289	12.83899	3.82431	ug/L	10/18/10	17:48	
ICSAB61 00038	Ba	538.57373	538.45544	538.69207	0.03106	ug/L	10/18/10	17:48	
ICSAB61 00038	Be	546.48400	545.61834	547.34960	0.22401	ug/L	10/18/10	17:48	
ICSAB61 00038	Ca	555217.25000	554755.62500	555678.87500	0.11758	ug/L	10/18/10	17:48	
ICSAB61 00038	Cd	1025.26513	1024.94116	1025.58923	0.04469	ug/L	10/18/10	17:48	
ICSAB61 00038	Co	503.58599	502.73571	504.43630	0.23878	ug/L	10/18/10	17:48	
ICSAB61 00038	Cr	514.38977	514.42437	514.35516	0.00951	ug/L	10/18/10	17:48	
ICSAB61 00038	Cu	544.39184	542.84912	545.93463	0.40077	ug/L	10/18/10	17:48	
ICSAB61 00038	Fe	203341.84375	203230.10937	203453.57812	0.07770	ug/L	10/18/10	17:48	
ICSAB61 00038	2Fe	203.29832	203.18727	203.40937	0.07725	mg/L	10/18/10	17:48	
ICSAB61 00038	K	1.34520	0.41496	2.27544	97.79603	ug/L	10/18/10	17:48	
ICSAB61 00038	Mg	534855.00000	534224.50000	535485.56250	0.16671	ug/L	10/18/10	17:48	
ICSAB61 00038	2Mg	534.62097	533.99066	535.25128	0.16673	mg/L	10/18/10	17:48	
ICSAB61 00038	Mn	516.74267	516.21459	517.27075	0.14452	ug/L	10/18/10	17:48	
ICSAB61 00038	Mo	1038.80249	1041.70642	1035.89843	0.39534	ug/L	10/18/10	17:48	
ICSAB61 00038	Na	117.54827	152.28918	82.80736	41.79650	ug/L	10/18/10	17:48	
ICSAB61 00038	Ni	1000.86889	998.83435	1002.90338	0.28747	ug/L	10/18/10	17:48	
ICSAB61 00038	Pb	44.96662	45.63981	44.29342	2.11721	ug/L	10/18/10	17:48	
ICSAB61 00038	Se	60.16667	59.17737	61.15597	2.32534	ug/L	10/18/10	17:48	
ICSAB61 00038	Sb	629.41394	622.52935	636.29858	1.54688	ug/L	10/18/10	17:48	
ICSAB61 00038	Sn	1025.51025	1023.11676	1027.90368	0.33006	ug/L	10/18/10	17:48	
ICSAB61 00038	Sr	2.19534	2.21225	2.17842	1.08967	ug/L	10/18/10	17:48	
ICSAB61 00038	Ti	1.88607	1.70818	2.06396	13.33838	ug/L	10/18/10	17:48	
ICSAB61 00038	Tl	91.86704	88.64127	95.09281	4.96579	ug/L	10/18/10	17:48	
ICSAB61 00038	V	513.57983	512.13854	515.02111	0.39687	ug/L	10/18/10	17:48	
ICSAB61 00038	Zn	1036.23950	1034.62475	1037.85424	0.22037	ug/L	10/18/10	17:48	
ICSAB61 00038	2203/1	83.51602	77.40229	89.62973	10.35263	ug/L	10/18/10	17:48	
ICSAB61 00038	2203/2	25.72082	29.78238	21.65925	22.33178	ug/L	10/18/10	17:48	
ICSAB61 00038	1960/1	67.53101	62.43577	72.62625	10.67029	ug/L	10/18/10	17:48	
ICSAB61 00038	1960/2	56.49002	57.55061	55.42944	2.65515	ug/L	10/18/10	17:48	
ICSAB61 00038	Y	954.20697	953.96398	954.44995	0.03601		10/18/10	17:48	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCVP	Ag	504.93206	505.20147	504.66265	0.07545	ug/L	10/18/10	17:54	
CCVP	Al	4942.35595	4935.71875	4948.99316	0.18991	ug/L	10/18/10	17:54	
CCVP	2Al	4.94215	4.93542	4.94889	0.19273	mg/L	10/18/10	17:54	
CCVP	As	506.07519	500.17941	511.97100	1.64756	ug/L	10/18/10	17:54	
CCVP	B	5091.73046	5083.42724	5100.03320	0.23061	ug/L	10/18/10	17:54	
CCVP	Ba	5082.25048	5079.76416	5084.73681	0.06918	ug/L	10/18/10	17:54	
CCVP	Be	514.37207	514.23516	514.50903	0.03764	ug/L	10/18/10	17:54	
CCVP	Ca	5018.55468	5020.43945	5016.67041	0.05310	ug/L	10/18/10	17:54	
CCVP	Cd	508.68655	507.19946	510.17364	0.41343	ug/L	10/18/10	17:54	
CCVP	Co	511.09375	510.14511	512.04241	0.26249	ug/L	10/18/10	17:54	
CCVP	Cr	5104.54980	5103.43505	5105.66406	0.03087	ug/L	10/18/10	17:54	
CCVP	Cu	5032.45410	5026.10742	5038.80078	0.17835	ug/L	10/18/10	17:54	
CCVP	Fe	5097.57177	5092.43945	5102.70410	0.14238	ug/L	10/18/10	17:54	
CCVP	2Fe	5.09756	5.09243	5.10270	0.14238	mg/L	10/18/10	17:54	
CCVP	K	9675.25683	9683.08691	9667.42675	0.11445	ug/L	10/18/10	17:54	
CCVP	Mg	5118.02148	5117.58300	5118.45947	0.01210	ug/L	10/18/10	17:54	
CCVP	2Mg	5.11801	5.11757	5.11845	0.01212	mg/L	10/18/10	17:54	
CCVP	Mn	5100.81201	5097.06396	5104.56005	0.10391	ug/L	10/18/10	17:54	
CCVP	Mo	510.57702	509.93572	511.21832	0.17762	ug/L	10/18/10	17:54	
CCVP	Na	7211.34472	7281.50341	7141.18652	1.37587	ug/L	10/18/10	17:54	
CCVP	Ni	2556.11962	2554.98706	2557.25244	0.06266	ug/L	10/18/10	17:54	
CCVP	Pb	510.35968	510.50009	510.21929	0.03890	ug/L	10/18/10	17:54	
CCVP	Se	5101.18261	5136.53662	5065.82812	0.98013	ug/L	10/18/10	17:54	
CCVP	Sb	508.03735	504.09042	511.98425	1.09869	ug/L	10/18/10	17:54	
CCVP	Sn	5085.82324	5078.16308	5093.48388	0.21301	ug/L	10/18/10	17:54	
CCVP	Sr	2576.59106	2576.96655	2576.21557	0.02060	ug/L	10/18/10	17:54	
CCVP	Ti	505.52008	504.16748	506.87265	0.37839	ug/L	10/18/10	17:54	
CCVP	Tl	5076.71630	5077.63525	5075.79736	0.02559	ug/L	10/18/10	17:54	
CCVP	V	5066.44726	5062.50244	5070.39160	0.11010	ug/L	10/18/10	17:54	
CCVP	Zn	2557.22363	2556.02246	2558.42480	0.06642	ug/L	10/18/10	17:54	
CCVP	2203/1	514.84844	518.68621	511.01068	1.05417	ug/L	10/18/10	17:54	
CCVP	2203/2	508.11865	506.41314	509.82418	0.47468	ug/L	10/18/10	17:54	
CCVP	1960/1	5116.16210	5136.47851	5095.84570	0.56158	ug/L	10/18/10	17:54	
CCVP	1960/2	5093.70410	5136.56591	5050.84179	1.19002	ug/L	10/18/10	17:54	
CCVP	Y	1037.20495	1034.61291	1039.79699	0.35342		10/18/10	17:54	
CCB	Ag	0.59791	0.11630	1.07951	113.91171	ug/L	10/18/10	18:03	
CCB	Al	1.71052	5.41532	-1.99426	306.30154	ug/L	10/18/10	18:03	
CCB	2Al	0.00171	0.00541	-0.00199	306.30154	mg/L	10/18/10	18:03	
CCB	As	-1.58488	-3.52482	0.35506	173.10415	ug/L	10/18/10	18:03	
CCB	B	3.23282	3.96665	2.49899	32.10160	ug/L	10/18/10	18:03	
CCB	Ba	0.10516	0.13359	0.07673	38.23248	ug/L	10/18/10	18:03	
CCB	Be	-0.03827	-0.03422	-0.04232	14.97146	ug/L	10/18/10	18:03	
CCB	Ca	3.87165	9.71775	-1.97444	213.54255	ug/L	10/18/10	18:03	
CCB	Cd	-0.60190	-0.54088	-0.66291	14.33584	ug/L	10/18/10	18:03	
CCB	Co	0.15471	-0.04646	0.35590	183.89569	ug/L	10/18/10	18:03	
CCB	Cr	-0.56884	-0.43617	-0.70151	32.98434	ug/L	10/18/10	18:03	
CCB	Cu	-0.90557	-0.75809	-1.05305	23.03098	ug/L	10/18/10	18:03	
CCB	Fe	7.24665	9.71465	4.77864	48.16410	ug/L	10/18/10	18:03	
CCB	2Fe	0.00724	0.00971	0.00477	48.16342	mg/L	10/18/10	18:03	
CCB	K	1.39888	1.41500	1.38275	1.63020	ug/L	10/18/10	18:03	
CCB	Mg	-2.85837	8.79228	-14.50902	576.42974	ug/L	10/18/10	18:03	
CCB	2Mg	-0.00285	0.00878	-0.01450	576.14666	mg/L	10/18/10	18:03	
CCB	Mn	-0.07341	0.03639	-0.18323	211.53892	ug/L	10/18/10	18:03	
CCB	Mo	-0.30233	-1.11122	0.50655	378.37109	ug/L	10/18/10	18:03	
CCB	Na	-95.64147	-138.22082	-53.06211	62.96044	ug/L	10/18/10	18:03	
CCB	Ni	-0.72309	-0.83493	-0.61125	21.87280	ug/L	10/18/10	18:03	
CCB	Pb	-3.42618	-5.00737	-1.84499	65.26627	ug/L	10/18/10	18:03	
CCB	Se	1.80991	0.46657	3.15325	104.96456	ug/L	10/18/10	18:03	
CCB	Sb	-4.44768	-3.70331	-5.19205	23.66849	ug/L	10/18/10	18:03	
CCB	Sn	0.37896	2.95029	-2.19237	959.57141	ug/L	10/18/10	18:03	
CCB	Sr	-0.06655	-0.02527	-0.10784	87.72740	ug/L	10/18/10	18:03	
CCB	Ti	-0.20821	-0.24507	-0.17134	25.04010	ug/L	10/18/10	18:03	
CCB	Tl	0.01230	0.28017	-0.25555	3078.25537	ug/L	10/18/10	18:03	
CCB	V	0.02768	0.51948	-0.46411	2512.34106	ug/L	10/18/10	18:03	
CCB	Zn	0.16000	0.00342	0.31657	138.39343	ug/L	10/18/10	18:03	
CCB	2203/1	0.36210	-3.89371	4.61792	1662.11279	ug/L	10/18/10	18:03	
CCB	2203/2	-5.31749	-5.56337	-5.07160	6.53940	ug/L	10/18/10	18:03	
CCB	1960/1	8.15705	5.67778	10.63632	42.98384	ug/L	10/18/10	18:03	
CCB	1960/2	-1.35890	-2.13512	-0.58267	80.78204	ug/L	10/18/10	18:03	
CCB	Y	1038.08251	1037.69995	1038.46496	0.05211		10/18/10	18:03	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 182641	Ag	-0.00089	-0.00042	-0.00136	73.99697	ug/L	10/18/10	18:20	
PBW 182641	Al	1.84310	8.08317	-4.39697	478.80123	ug/L	10/18/10	18:20	
PBW 182641	2Al	0.00184	0.00808	-0.00439	478.80126	mg/L	10/18/10	18:20	
PBW 182641	As	0.32183	0.54045	0.10322	96.06440	ug/L	10/18/10	18:20	
PBW 182641	B	-0.65369	0.58120	-1.88859	267.16033	ug/L	10/18/10	18:20	
PBW 182641	Ba	0.14850	0.24641	0.05058	93.24881	ug/L	10/18/10	18:20	
PBW 182641	Be	-0.04221	-0.06882	-0.01561	89.11811	ug/L	10/18/10	18:20	
PBW 182641	Ca	10.69644	10.54219	10.85070	2.03945	ug/L	10/18/10	18:20	
PBW 182641	Cd	-0.00003	-0.00756	0.00749	30245.75585	ug/L	10/18/10	18:20	
PBW 182641	Co	0.25605	0.22734	0.28476	15.85477	ug/L	10/18/10	18:20	
PBW 182641	Cr	0.71559	0.95735	0.47384	47.77767	ug/L	10/18/10	18:20	
PBW 182641	Cu	-0.64478	-0.54696	-0.74260	21.45424	ug/L	10/18/10	18:20	
PBW 182641	Fe	11.43188	21.67280	1.19096	126.68823	ug/L	10/18/10	18:20	
PBW 182641	2Fe	0.01143	0.02167	0.00119	126.68871	mg/L	10/18/10	18:20	
PBW 182641	K	-1.25358	1.02156	-3.52873	256.66729	ug/L	10/18/10	18:20	
PBW 182641	Mg	-4.33142	-0.02909	-8.63375	140.47149	ug/L	10/18/10	18:20	
PBW 182641	2Mg	-0.00433	-0.00003	-0.00863	140.34963	mg/L	10/18/10	18:20	
PBW 182641	Mn	0.08610	0.14077	0.03143	89.79600	ug/L	10/18/10	18:20	
PBW 182641	Mo	-1.42517	-0.84210	-2.00824	57.85874	ug/L	10/18/10	18:20	
PBW 182641	Na	-5.93109	-73.81124	61.94905	1618.53747	ug/L	10/18/10	18:20	
PBW 182641	Ni	-0.56622	-0.38964	-0.74279	44.10306	ug/L	10/18/10	18:20	
PBW 182641	Pb	-1.23559	-1.84744	-0.62374	70.03009	ug/L	10/18/10	18:20	
PBW 182641	Se	1.06266	1.61662	0.50870	73.72193	ug/L	10/18/10	18:20	
PBW 182641	Sb	-8.19552	-7.67894	-8.71210	8.91410	ug/L	10/18/10	18:20	
PBW 182641	Sn	-0.85919	-1.69850	-0.01987	138.14999	ug/L	10/18/10	18:20	
PBW 182641	Sr	-0.03790	-0.01189	-0.06392	97.03809	ug/L	10/18/10	18:20	
PBW 182641	Ti	0.06221	0.17082	-0.04638	246.86975	ug/L	10/18/10	18:20	
PBW 182641	Tl	-1.53810	-1.38251	-1.69369	14.30554	ug/L	10/18/10	18:20	
PBW 182641	V	-0.79186	-0.33718	-1.24654	81.20317	ug/L	10/18/10	18:20	
PBW 182641	Zn	2.68508	2.78464	2.58553	5.24323	ug/L	10/18/10	18:20	
PBW 182641	2203/1	-3.67222	-6.45894	-0.88551	107.31923	ug/L	10/18/10	18:20	
PBW 182641	2203/2	-0.01910	0.45484	-0.49305	3508.66113	ug/L	10/18/10	18:20	
PBW 182641	1960/1	0.00052	-4.03183	4.03288	1085232.25000	ug/L	10/18/10	18:20	
PBW 182641	1960/2	1.59293	4.43661	-1.25074	252.46261	ug/L	10/18/10	18:20	
PBW 182641	Y	1055.24096	1053.02697	1057.45495	0.29671		10/18/10	18:20	
LCSW-1	Ag	47.82088	47.92235	47.71941	0.30008	ug/L	10/18/10	18:25	
LCSW-1	Al	1987.72631	1991.19238	1984.26013	0.24660	ug/L	10/18/10	18:25	
LCSW-1	2Al	1.98775	1.99132	1.98419	0.25339	mg/L	10/18/10	18:25	
LCSW-1	As	2056.09667	2064.77612	2047.41748	0.59697	ug/L	10/18/10	18:25	
LCSW-1	B	1016.23071	1012.84100	1019.62048	0.47172	ug/L	10/18/10	18:25	
LCSW-1	Ba	2063.43017	2060.89355	2065.96655	0.17384	ug/L	10/18/10	18:25	
LCSW-1	Be	51.92666	51.91121	51.94211	0.04207	ug/L	10/18/10	18:25	
LCSW-1	Ca	5071.68750	5069.44531	5073.92919	0.06251	ug/L	10/18/10	18:25	
LCSW-1	Cd	52.65884	52.50605	52.81162	0.41031	ug/L	10/18/10	18:25	
LCSW-1	Co	523.63464	522.86688	524.40234	0.20734	ug/L	10/18/10	18:25	
LCSW-1	Cr	208.18843	208.47030	207.90655	0.19147	ug/L	10/18/10	18:25	
LCSW-1	Cu	251.68463	251.69039	251.67884	0.00324	ug/L	10/18/10	18:25	
LCSW-1	Fe	1036.83935	1042.66845	1031.01013	0.79507	ug/L	10/18/10	18:25	
LCSW-1	2Fe	1.03692	1.04275	1.03109	0.79486	mg/L	10/18/10	18:25	
LCSW-1	K	4790.37548	4793.36328	4787.38769	0.08820	ug/L	10/18/10	18:25	
LCSW-1	Mg	5133.29589	5125.02392	5141.56787	0.22789	ug/L	10/18/10	18:25	
LCSW-1	2Mg	5.13190	5.12363	5.14017	0.22792	mg/L	10/18/10	18:25	
LCSW-1	Mn	519.06182	518.69396	519.42968	0.10022	ug/L	10/18/10	18:25	
LCSW-1	Mo	509.44287	505.81082	513.07489	1.00825	ug/L	10/18/10	18:25	
LCSW-1	Na	4860.27636	4968.70556	4751.84667	3.15501	ug/L	10/18/10	18:25	
LCSW-1	Ni	518.86767	518.70709	519.02825	0.04376	ug/L	10/18/10	18:25	
LCSW-1	Pb	521.24548	522.14471	520.34625	0.24397	ug/L	10/18/10	18:25	
LCSW-1	Se	2100.55810	2108.25439	2092.86206	0.51814	ug/L	10/18/10	18:25	
LCSW-1	Sb	494.36309	494.20669	494.51947	0.04473	ug/L	10/18/10	18:25	
LCSW-1	Sn	1027.47143	1027.10473	1027.83801	0.05046	ug/L	10/18/10	18:25	
LCSW-1	Sr	518.44262	517.36334	519.52191	0.29440	ug/L	10/18/10	18:25	
LCSW-1	Ti	1006.51947	1005.22845	1007.81048	0.18139	ug/L	10/18/10	18:25	
LCSW-1	Tl	2120.40625	2114.48828	2126.32446	0.39470	ug/L	10/18/10	18:25	
LCSW-1	V	510.51519	509.32818	511.70220	0.32882	ug/L	10/18/10	18:25	
LCSW-1	Zn	530.53955	529.46752	531.61151	0.28575	ug/L	10/18/10	18:25	
LCSW-1	2203/1	521.20910	521.75103	520.66723	0.14703	ug/L	10/18/10	18:25	
LCSW-1	2203/2	521.26367	522.34124	520.18603	0.29235	ug/L	10/18/10	18:25	
LCSW-1	1960/1	2094.98974	2109.56762	2080.41162	0.98408	ug/L	10/18/10	18:25	
LCSW-1	1960/2	2103.33789	2107.59814	2099.07739	0.28645	ug/L	10/18/10	18:25	
LCSW-1	Y	1053.48596	1053.71093	1053.26098	0.03020		10/18/10	18:25	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1 (RL)	Ag	10.66925	11.60905	9.72945	12.45710	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Al	217.61764	215.81785	219.41741	1.16960	ug/L	10/18/10	18:30	
LCSW-1 (RL)	2Al	0.21763	0.21583	0.21943	1.16962	mg/L	10/18/10	18:30	
LCSW-1 (RL)	As	24.62508	21.45829	27.79187	18.18680	ug/L	10/18/10	18:30	
LCSW-1 (RL)	B	109.11405	108.71867	109.50944	0.51245	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Ba	12.12875	12.22339	12.03411	1.10353	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Be	4.24514	4.29328	4.19700	1.60363	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Ca	545.20050	544.91656	545.48443	0.07365	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Cd	5.55056	5.88880	5.21232	8.61789	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Co	10.94469	10.67557	11.21382	3.47749	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Cr	10.17386	9.75287	10.59485	5.85190	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Cu	21.62737	20.79450	22.46024	5.44613	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Fe	74.23403	73.15814	75.30991	2.04963	ug/L	10/18/10	18:30	
LCSW-1 (RL)	2Fe	0.07422	0.07315	0.07530	2.04953	mg/L	10/18/10	18:30	
LCSW-1 (RL)	K	1113.93481	1129.04394	1098.82556	1.91821	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Mg	535.07092	532.97888	537.16296	0.55293	ug/L	10/18/10	18:30	
LCSW-1 (RL)	2Mg	0.53491	0.53282	0.53700	0.55289	mg/L	10/18/10	18:30	
LCSW-1 (RL)	Mn	11.09068	11.03942	11.14193	0.65356	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Mo	9.96330	11.36508	8.56152	19.89714	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Na	976.65985	993.92431	959.39538	2.49991	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Ni	45.23642	45.75347	44.71937	1.61643	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Pb	9.98407	8.66389	11.30424	18.69990	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Se	24.68677	23.31909	26.05444	7.83492	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Sb	21.66577	25.00699	18.32456	21.80947	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Sn	57.33519	57.98777	56.68262	1.60962	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Sr	11.07885	11.03211	11.12558	0.59656	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Ti	10.81593	10.87999	10.75187	0.83759	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Tl	29.81955	33.04164	26.59745	15.28101	ug/L	10/18/10	18:30	
LCSW-1 (RL)	V	10.97865	11.61871	10.33859	8.24495	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Zn	24.72951	24.85845	24.60057	0.73736	ug/L	10/18/10	18:30	
LCSW-1 (RL)	2203/1	14.85180	15.55537	14.14824	6.69945	ug/L	10/18/10	18:30	
LCSW-1 (RL)	2203/2	7.55385	5.22332	9.88438	43.63159	ug/L	10/18/10	18:30	
LCSW-1 (RL)	1960/1	30.05491	31.34718	28.76265	6.08066	ug/L	10/18/10	18:30	
LCSW-1 (RL)	1960/2	22.00669	19.31103	24.70234	17.32306	ug/L	10/18/10	18:30	
LCSW-1 (RL)	Y	1050.97949	1049.45397	1052.50500	0.20527		10/18/10	18:30	
22453-1	Ag	1.44950	1.89436	1.00464	43.40275	ug/L	10/18/10	18:35	
22453-1	Al	4.70141	4.28654	5.11627	12.47938	ug/L	10/18/10	18:35	
22453-1	2Al	0.00470	0.00428	0.00511	12.47958	mg/L	10/18/10	18:35	
22453-1	As	2.44901	-0.51379	5.41183	171.09112	ug/L	10/18/10	18:35	
22453-1	B	29.94109	28.87040	31.01178	5.05720	ug/L	10/18/10	18:35	
22453-1	Ba	48.02943	48.06316	47.99570	0.09932	ug/L	10/18/10	18:35	
22453-1	Be	-0.00408	-0.01634	0.00817	424.08856	ug/L	10/18/10	18:35	
22453-1	Ca	9304.80664	9307.23632	9302.37695	0.03692	ug/L	10/18/10	18:35	
22453-1	Cd	0.10610	-0.02121	0.23341	169.69445	ug/L	10/18/10	18:35	
22453-1	Co	0.54553	1.07424	0.01683	137.05711	ug/L	10/18/10	18:35	
22453-1	Cr	0.08579	-0.56708	0.73867	1076.19689	ug/L	10/18/10	18:35	
22453-1	Cu	9.61606	9.78243	9.44969	2.44671	ug/L	10/18/10	18:35	
22453-1	Fe	34.88241	30.01924	39.74558	19.71641	ug/L	10/18/10	18:35	
22453-1	2Fe	0.03487	0.03001	0.03974	19.71528	mg/L	10/18/10	18:35	
22453-1	K	3225.57812	3219.70263	3231.45336	0.25759	ug/L	10/18/10	18:35	
22453-1	Mg	3503.56787	3498.95971	3508.17578	0.18600	ug/L	10/18/10	18:35	
22453-1	2Mg	3.50257	3.49796	3.50717	0.18595	mg/L	10/18/10	18:35	
22453-1	Mn	0.81413	0.77948	0.84877	6.01780	ug/L	10/18/10	18:35	
22453-1	Mo	-0.12874	0.24846	-0.50595	414.36370	ug/L	10/18/10	18:35	
22453-1	Na	19056.33984	19128.11328	18984.56640	0.53264	ug/L	10/18/10	18:35	
22453-1	Ni	6.25610	6.98176	5.53045	16.40374	ug/L	10/18/10	18:35	
22453-1	Pb	0.10246	2.22253	-2.01760	2926.04028	ug/L	10/18/10	18:35	
22453-1	Se	1.29033	5.99589	-3.41523	515.73333	ug/L	10/18/10	18:35	
22453-1	Sb	-1.89906	0.50315	-4.30127	178.89056	ug/L	10/18/10	18:35	
22453-1	Sn	0.81917	3.08333	-1.44498	390.88317	ug/L	10/18/10	18:35	
22453-1	Sr	90.60661	90.61316	90.60005	0.01022	ug/L	10/18/10	18:35	
22453-1	Ti	0.06378	0.17255	-0.04498	241.16294	ug/L	10/18/10	18:35	
22453-1	Tl	0.15493	-0.83074	1.14061	899.68218	ug/L	10/18/10	18:35	
22453-1	V	1.15800	1.57791	0.73809	51.28168	ug/L	10/18/10	18:35	
22453-1	Zn	18.44398	18.39507	18.49289	0.37500	ug/L	10/18/10	18:35	
22453-1	2203/1	3.45699	5.47094	1.44304	82.38828	ug/L	10/18/10	18:35	
22453-1	2203/2	-1.57227	0.60077	-3.74533	195.45892	ug/L	10/18/10	18:35	
22453-1	1960/1	8.28697	15.50134	1.07260	123.11689	ug/L	10/18/10	18:35	
22453-1	1960/2	-2.20277	1.25024	-5.65578	221.68867	ug/L	10/18/10	18:35	
22453-1	Y	1054.79992	1055.75390	1053.84594	0.12790		10/18/10	18:35	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
22453-1S	Ag	50.04347	50.53000	49.55693	1.37493	ug/L	10/18/10	18:40	
22453-1S	Al	2007.72412	1999.55969	2015.88854	0.57509	ug/L	10/18/10	18:40	
22453-1S	2Al	2.00775	1.99968	2.01582	0.56837	mg/L	10/18/10	18:40	
22453-1S	As	2091.33740	2094.58081	2088.09375	0.21933	ug/L	10/18/10	18:40	
22453-1S	B	1048.94287	1046.16113	1051.72473	0.37504	ug/L	10/18/10	18:40	
22453-1S	Ba	2113.01855	2111.56640	2114.47045	0.09718	ug/L	10/18/10	18:40	
22453-1S	Be	52.55686	52.54742	52.56631	0.02541	ug/L	10/18/10	18:40	
22453-1S	Ca	14549.65820	14531.29882	14568.01757	0.17845	ug/L	10/18/10	18:40	
22453-1S	Cd	52.48500	52.48808	52.48192	0.00828	ug/L	10/18/10	18:40	
22453-1S	Co	528.56420	527.49749	529.63092	0.28540	ug/L	10/18/10	18:40	
22453-1S	Cr	209.19866	208.66644	209.73091	0.35979	ug/L	10/18/10	18:40	
22453-1S	Cu	262.40417	262.34698	262.46133	0.03081	ug/L	10/18/10	18:40	
22453-1S	Fe	1085.24438	1079.41918	1091.06958	0.75909	ug/L	10/18/10	18:40	
22453-1S	2Fe	1.08532	1.07950	1.09115	0.75898	mg/L	10/18/10	18:40	
22453-1S	K	8363.24414	8357.41796	8369.07031	0.09851	ug/L	10/18/10	18:40	
22453-1S	Mg	8704.98242	8686.19531	8723.76953	0.30521	ug/L	10/18/10	18:40	
22453-1S	2Mg	8.70257	8.68379	8.72135	0.30520	mg/L	10/18/10	18:40	
22453-1S	Mn	526.52752	525.86273	527.19232	0.17855	ug/L	10/18/10	18:40	
22453-1S	Mo	508.54827	506.69204	510.40451	0.51619	ug/L	10/18/10	18:40	
22453-1S	Na	24158.75585	24091.22460	24226.28710	0.39531	ug/L	10/18/10	18:40	
22453-1S	Ni	529.63012	528.71118	530.54907	0.24537	ug/L	10/18/10	18:40	
22453-1S	Pb	522.98474	523.98315	521.98632	0.26998	ug/L	10/18/10	18:40	
22453-1S	Se	2124.20800	2130.39721	2118.01879	0.41205	ug/L	10/18/10	18:40	
22453-1S	Sb	505.03558	507.09555	502.97564	0.57683	ug/L	10/18/10	18:40	
22453-1S	Sn	1024.03271	1022.55853	1025.50683	0.20358	ug/L	10/18/10	18:40	
22453-1S	Sr	602.73156	603.10906	602.35400	0.08858	ug/L	10/18/10	18:40	
22453-1S	Ti	1003.08068	1002.01934	1004.14202	0.14963	ug/L	10/18/10	18:40	
22453-1S	Tl	2128.83959	2119.97485	2137.70434	0.58889	ug/L	10/18/10	18:40	
22453-1S	V	515.58996	515.10131	516.07855	0.13402	ug/L	10/18/10	18:40	
22453-1S	Zn	562.65454	561.93713	563.37188	0.18031	ug/L	10/18/10	18:40	
22453-1S	2203/1	522.74444	517.75451	527.73437	1.34995	ug/L	10/18/10	18:40	
22453-1S	2203/2	523.10467	527.09277	519.11657	1.07818	ug/L	10/18/10	18:40	
22453-1S	1960/1	2127.33349	2116.06347	2138.60351	0.74921	ug/L	10/18/10	18:40	
22453-1S	1960/2	2122.64697	2137.55249	2107.74121	0.99308	ug/L	10/18/10	18:40	
22453-1S	Y	1047.86987	1049.43591	1046.30395	0.21134		10/18/10	18:40	
22453-1SD	Ag	50.63077	50.66357	50.59798	0.09159	ug/L	10/18/10	18:46	
22453-1SD	Al	2031.46740	2024.96057	2037.97424	0.45297	ug/L	10/18/10	18:46	
22453-1SD	2Al	2.03140	2.02490	2.03791	0.45295	mg/L	10/18/10	18:46	
22453-1SD	As	2123.56420	2123.73779	2123.39062	0.01156	ug/L	10/18/10	18:46	
22453-1SD	B	1064.91699	1061.87731	1067.95678	0.40367	ug/L	10/18/10	18:46	
22453-1SD	Ba	2136.94677	2135.52783	2138.36572	0.09390	ug/L	10/18/10	18:46	
22453-1SD	Be	53.39155	53.31429	53.46882	0.20465	ug/L	10/18/10	18:46	
22453-1SD	Ca	14407.06835	14377.99023	14436.14746	0.28543	ug/L	10/18/10	18:46	
22453-1SD	Cd	53.62535	53.81357	53.43714	0.49637	ug/L	10/18/10	18:46	
22453-1SD	Co	537.61511	537.99230	537.23797	0.09921	ug/L	10/18/10	18:46	
22453-1SD	Cr	212.74652	212.42259	213.07043	0.21532	ug/L	10/18/10	18:46	
22453-1SD	Cu	265.36541	264.41210	266.31875	0.50805	ug/L	10/18/10	18:46	
22453-1SD	Fe	1106.93127	1114.08520	1099.77734	0.91398	ug/L	10/18/10	18:46	
22453-1SD	2Fe	1.10701	1.11416	1.09986	0.91382	mg/L	10/18/10	18:46	
22453-1SD	K	8379.88769	8358.95507	8400.82031	0.35326	ug/L	10/18/10	18:46	
22453-1SD	Mg	8748.71289	8735.85839	8761.56640	0.20778	ug/L	10/18/10	18:46	
22453-1SD	2Mg	8.74629	8.73343	8.75914	0.20781	mg/L	10/18/10	18:46	
22453-1SD	Mn	534.20983	533.44494	534.97467	0.20248	ug/L	10/18/10	18:46	
22453-1SD	Mo	519.30493	518.72277	519.88714	0.15854	ug/L	10/18/10	18:46	
22453-1SD	Na	23854.58984	23611.60937	24097.56835	1.44049	ug/L	10/18/10	18:46	
22453-1SD	Ni	538.78625	536.02685	541.54565	0.72429	ug/L	10/18/10	18:46	
22453-1SD	Pb	530.27087	527.46630	533.07550	0.74797	ug/L	10/18/10	18:46	
22453-1SD	Se	2149.34814	2135.19384	2163.50244	0.93131	ug/L	10/18/10	18:46	
22453-1SD	Sb	518.21496	519.63336	516.79663	0.38707	ug/L	10/18/10	18:46	
22453-1SD	Sn	1042.94433	1040.34606	1045.54260	0.35232	ug/L	10/18/10	18:46	
22453-1SD	Sr	610.63494	610.60882	610.66107	0.00605	ug/L	10/18/10	18:46	
22453-1SD	Ti	1022.59979	1020.82189	1024.37768	0.24587	ug/L	10/18/10	18:46	
22453-1SD	Tl	2167.76440	2168.95556	2166.57324	0.07770	ug/L	10/18/10	18:46	
22453-1SD	V	523.22265	524.12200	522.32324	0.24309	ug/L	10/18/10	18:46	
22453-1SD	Zn	569.89465	568.73107	571.05828	0.28875	ug/L	10/18/10	18:46	
22453-1SD	2203/1	532.46594	528.97222	535.95959	0.92791	ug/L	10/18/10	18:46	
22453-1SD	2203/2	529.17504	526.71447	531.63562	0.65758	ug/L	10/18/10	18:46	
22453-1SD	1960/1	2168.23388	2147.53466	2188.93334	1.35009	ug/L	10/18/10	18:46	
22453-1SD	1960/2	2139.91870	2129.03198	2150.80541	0.71947	ug/L	10/18/10	18:46	
22453-1SD	Y	1050.24597	1055.93395	1044.55798	0.76591		10/18/10	18:46	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
22453-2	Ag	0.78303	1.56577	0.00028	141.36994	ug/L	10/18/10	18:51	
22453-2	Al	10.04339	7.80176	12.28503	31.56449	ug/L	10/18/10	18:51	
22453-2	2Al	0.01004	0.00780	0.01228	31.56442	mg/L	10/18/10	18:51	
22453-2	As	2.74975	3.02906	2.47044	14.36493	ug/L	10/18/10	18:51	
22453-2	B	32.16041	32.78330	31.53753	2.73907	ug/L	10/18/10	18:51	
22453-2	Ba	48.85004	48.54409	49.15599	0.88573	ug/L	10/18/10	18:51	
22453-2	Be	0.01969	0.01616	0.02323	25.38546	ug/L	10/18/10	18:51	
22453-2	Ca	9493.85351	9493.30371	9494.40429	0.00819	ug/L	10/18/10	18:51	
22453-2	Cd	0.02736	-0.22913	0.28386	1325.60986	ug/L	10/18/10	18:51	
22453-2	Co	0.09497	0.29576	-0.10582	298.99215	ug/L	10/18/10	18:51	
22453-2	Cr	-0.06504	-0.48054	0.35044	903.35162	ug/L	10/18/10	18:51	
22453-2	Cu	1.93573	1.08649	2.78497	62.04374	ug/L	10/18/10	18:51	
22453-2	Fe	115.28234	122.96085	107.60385	9.41951	ug/L	10/18/10	18:51	
22453-2	2Fe	0.11526	0.12294	0.10759	9.41944	mg/L	10/18/10	18:51	
22453-2	K	3190.43457	3186.81469	3194.05468	0.16046	ug/L	10/18/10	18:51	
22453-2	Mg	3247.58398	3246.44946	3248.71826	0.04939	ug/L	10/18/10	18:51	
22453-2	2Mg	3.24665	3.24552	3.24779	0.04945	mg/L	10/18/10	18:51	
22453-2	Mn	27.31673	27.22163	27.41182	0.49230	ug/L	10/18/10	18:51	
22453-2	Mo	1.13022	2.68452	-0.42408	194.48603	ug/L	10/18/10	18:51	
22453-2	Na	18958.65039	18950.88281	18966.41796	0.05794	ug/L	10/18/10	18:51	
22453-2	Ni	0.70381	0.79350	0.61413	18.02030	ug/L	10/18/10	18:51	
22453-2	Pb	-0.54597	-0.72405	-0.36788	46.12841	ug/L	10/18/10	18:51	
22453-2	Se	2.48520	-0.11675	5.08716	148.06515	ug/L	10/18/10	18:51	
22453-2	Sb	-0.86162	-2.49924	0.77600	268.79046	ug/L	10/18/10	18:51	
22453-2	Sn	6.36851	4.36356	8.37347	44.52257	ug/L	10/18/10	18:51	
22453-2	Sr	88.11608	88.17402	88.05815	0.09298	ug/L	10/18/10	18:51	
22453-2	Ti	0.41672	0.27095	0.56248	49.46669	ug/L	10/18/10	18:51	
22453-2	Tl	2.62773	1.43480	3.82066	64.20182	ug/L	10/18/10	18:51	
22453-2	V	0.87661	-0.20761	1.96084	174.91529	ug/L	10/18/10	18:51	
22453-2	Zn	2.54111	2.72292	2.35931	10.11798	ug/L	10/18/10	18:51	
22453-2	2203/1	3.63189	1.86644	5.39734	68.74440	ug/L	10/18/10	18:51	
22453-2	2203/2	-2.63176	-2.01735	-3.24617	33.01609	ug/L	10/18/10	18:51	
22453-2	1960/1	15.13296	13.57385	16.69206	14.57022	ug/L	10/18/10	18:51	
22453-2	1960/2	-3.82918	-6.95179	-0.70658	115.32554	ug/L	10/18/10	18:51	
22453-2	Y	1050.98388	1052.27990	1049.68798	0.17438		10/18/10	18:51	
61878-1	Ag	-0.86638	-2.07471	0.34193	197.23643	ug/L	10/18/10	18:56	
61878-1	Al	0.00426	-4.55286	4.56139	151190.00000	ug/L	10/18/10	18:56	
61878-1	2Al	0.00000	-0.00455	0.00456	150337.81250	mg/L	10/18/10	18:56	
61878-1	As	17.97730	13.33055	22.62405	36.55441	ug/L	10/18/10	18:56	
61878-1	B	40.12244	40.74571	39.49917	2.19687	ug/L	10/18/10	18:56	
61878-1	Ba	87.52349	86.83116	88.21582	1.11867	ug/L	10/18/10	18:56	
61878-1	Be	-0.09073	-0.18668	0.00520	149.53579	ug/L	10/18/10	18:56	
61878-1	Ca	28479.00000	28400.48046	28557.51953	0.38991	ug/L	10/18/10	18:56	
61878-1	Cd	-0.61381	-1.08942	-0.13821	109.57769	ug/L	10/18/10	18:56	
61878-1	Co	0.03141	0.31987	-0.25703	1298.38269	ug/L	10/18/10	18:56	
61878-1	Cr	-0.58928	-0.91867	-0.25989	79.04999	ug/L	10/18/10	18:56	
61878-1	Cu	-0.77790	-0.89523	-0.66058	21.32938	ug/L	10/18/10	18:56	
61878-1	Fe	89.36999	45.82805	132.91194	68.90187	ug/L	10/18/10	18:56	
61878-1	2Fe	0.08935	0.04582	0.13289	68.90217	mg/L	10/18/10	18:56	
61878-1	K	3993.60742	3935.90625	4051.30859	2.04330	ug/L	10/18/10	18:56	
61878-1	Mg	11428.74414	11398.67285	11458.81542	0.37210	ug/L	10/18/10	18:56	
61878-1	2Mg	11.42550	11.39544	11.45555	0.37200	mg/L	10/18/10	18:56	
61878-1	Mn	6.46070	6.46413	6.45727	0.07512	ug/L	10/18/10	18:56	
61878-1	Mo	54.09861	53.05043	55.14679	2.74009	ug/L	10/18/10	18:56	
61878-1	Na	21438.25781	20770.13085	22106.38476	4.40742	ug/L	10/18/10	18:56	
61878-1	Ni	-1.46157	-3.47277	0.54962	194.60276	ug/L	10/18/10	18:56	
61878-1	Pb	-0.21215	0.46479	-0.88911	451.24386	ug/L	10/18/10	18:56	
61878-1	Se	-2.06266	-8.75885	4.63351	459.10586	ug/L	10/18/10	18:56	
61878-1	Sb	-8.99650	-19.44262	1.44962	164.20895	ug/L	10/18/10	18:56	
61878-1	Sn	-2.63291	-10.96163	5.69580	447.35885	ug/L	10/18/10	18:56	
61878-1	Sr	4843.01953	4832.04980	4853.98876	0.32032	ug/L	10/18/10	18:56	
61878-1	Ti	0.08322	-0.11148	0.27793	330.86459	ug/L	10/18/10	18:56	
61878-1	Tl	0.55098	-6.98670	8.08868	1934.68920	ug/L	10/18/10	18:56	
61878-1	V	-2.22987	-4.45438	-0.00536	141.08081	ug/L	10/18/10	18:56	
61878-1	Zn	1.59213	1.42648	1.75777	14.71363	ug/L	10/18/10	18:56	
61878-1	2203/1	0.29488	-4.71273	5.30250	2401.58227	ug/L	10/18/10	18:56	
61878-1	2203/2	-0.46529	3.04967	-3.98027	1068.32849	ug/L	10/18/10	18:56	
61878-1	1960/1	0.61374	-10.25587	11.48335	2504.63085	ug/L	10/18/10	18:56	
61878-1	1960/2	-3.39886	-8.01146	1.21372	191.92259	ug/L	10/18/10	18:56	
61878-1	Y	1044.68847	1049.41796	1039.95898	0.64023		10/18/10	18:56	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61929-1	Ag	0.03306	0.23325	-0.16711	856.10638	ug/L	10/18/10	19:01	
61929-1	Al	-0.88046	-4.65574	2.89481	606.39068	ug/L	10/18/10	19:01	
61929-1	2Al	-0.00088	-0.00465	0.00289	606.38763	mg/L	10/18/10	19:01	
61929-1	As	19.40856	16.48284	22.33428	21.31839	ug/L	10/18/10	19:01	
61929-1	B	37.02476	34.11166	39.93785	11.12698	ug/L	10/18/10	19:01	
61929-1	Ba	74.55462	74.81975	74.28950	0.50291	ug/L	10/18/10	19:01	
61929-1	Be	-0.03462	0.01603	-0.08529	206.90309	ug/L	10/18/10	19:01	
61929-1	Ca	29043.61718	29082.86523	29004.37109	0.19110	ug/L	10/18/10	19:01	
61929-1	Cd	-0.03195	0.03587	-0.09978	300.16519	ug/L	10/18/10	19:01	
61929-1	Co	-0.52650	-1.17682	0.12381	174.67753	ug/L	10/18/10	19:01	
61929-1	Cr	-0.14864	-0.79200	0.49471	612.10998	ug/L	10/18/10	19:01	
61929-1	Cu	0.27078	-0.66153	1.20310	486.91818	ug/L	10/18/10	19:01	
61929-1	Fe	165.87295	173.72125	158.02464	6.69137	ug/L	10/18/10	19:01	
61929-1	2Fe	0.16585	0.17369	0.15800	6.69132	mg/L	10/18/10	19:01	
61929-1	K	3974.20581	4001.55224	3946.85937	0.97311	ug/L	10/18/10	19:01	
61929-1	Mg	10622.88574	10630.49414	10615.27734	0.10128	ug/L	10/18/10	19:01	
61929-1	2Mg	10.61986	10.62746	10.61225	0.10126	mg/L	10/18/10	19:01	
61929-1	Mn	8.08562	8.07914	8.09211	0.11341	ug/L	10/18/10	19:01	
61929-1	Mo	33.33883	32.95135	33.72631	1.64367	ug/L	10/18/10	19:01	
61929-1	Na	21596.90625	21768.76757	21425.04687	1.12537	ug/L	10/18/10	19:01	
61929-1	Ni	1.02289	1.56678	0.47899	75.19717	ug/L	10/18/10	19:01	
61929-1	Pb	-1.38068	-2.47406	-0.28731	111.99192	ug/L	10/18/10	19:01	
61929-1	Se	2.10888	6.45848	-2.24071	291.68328	ug/L	10/18/10	19:01	
61929-1	Sb	-5.27476	0.21221	-10.76174	147.11105	ug/L	10/18/10	19:01	
61929-1	Sn	3.33274	4.22326	2.44221	37.78854	ug/L	10/18/10	19:01	
61929-1	Sr	4142.54980	4151.60595	4133.49414	0.30915	ug/L	10/18/10	19:01	
61929-1	Ti	-0.15054	-0.28709	-0.01398	128.28126	ug/L	10/18/10	19:01	
61929-1	Tl	-3.76310	-2.70057	-4.82563	39.93103	ug/L	10/18/10	19:01	
61929-1	V	0.50804	1.95241	-0.93633	402.06430	ug/L	10/18/10	19:01	
61929-1	Zn	1.96207	1.33570	2.58843	45.14669	ug/L	10/18/10	19:01	
61929-1	2203/1	4.34132	9.66575	-0.98311	173.44691	ug/L	10/18/10	19:01	
61929-1	2203/2	-4.23740	-8.53486	0.06005	143.42576	ug/L	10/18/10	19:01	
61929-1	1960/1	10.18243	19.93850	0.42635	135.49978	ug/L	10/18/10	19:01	
61929-1	1960/2	-1.92201	-0.27160	-3.57243	121.43710	ug/L	10/18/10	19:01	
61929-1	Y	1032.30444	1029.71691	1034.89196	0.35447		10/18/10	19:01	
CCV	Ag	498.06951	499.62542	496.51358	0.44178	ug/L	10/18/10	19:06	
CCV	Al	4923.95068	4929.38330	4918.51806	0.15603	ug/L	10/18/10	19:06	
CCV	2Al	4.92394	4.92947	4.91841	0.15882	mg/L	10/18/10	19:06	
CCV	As	505.70837	509.65075	501.76596	1.10249	ug/L	10/18/10	19:06	
CCV	B	5053.68701	5060.25634	5047.11767	0.18383	ug/L	10/18/10	19:06	
CCV	Ba	5019.75683	5033.23974	5006.27392	0.37985	ug/L	10/18/10	19:06	
CCV	Be	509.58981	511.03179	508.14782	0.40017	ug/L	10/18/10	19:06	
CCV	Ca	4966.64746	4975.20947	4958.08496	0.24380	ug/L	10/18/10	19:06	
CCV	Cd	502.74145	504.63333	500.84954	0.53218	ug/L	10/18/10	19:06	
CCV	Co	509.37753	510.74215	508.01290	0.37886	ug/L	10/18/10	19:06	
CCV	Cr	5058.31152	5068.44238	5048.18115	0.28323	ug/L	10/18/10	19:06	
CCV	Cu	4983.81103	4997.31787	4970.30419	0.38327	ug/L	10/18/10	19:06	
CCV	Fe	5022.45410	5051.43017	4993.47753	0.81590	ug/L	10/18/10	19:06	
CCV	2Fe	5.02245	5.05143	4.99348	0.81585	mg/L	10/18/10	19:06	
CCV	K	9510.14062	9530.27441	9490.00585	0.29940	ug/L	10/18/10	19:06	
CCV	Mg	5118.60644	5131.12207	5106.09033	0.34579	ug/L	10/18/10	19:06	
CCV	2Mg	5.11859	5.13110	5.10608	0.34569	mg/L	10/18/10	19:06	
CCV	Mn	5060.52929	5071.17431	5049.88476	0.29747	ug/L	10/18/10	19:06	
CCV	Mo	504.36831	503.86618	504.87045	0.14079	ug/L	10/18/10	19:06	
CCV	Na	7074.77636	7085.55175	7064.00097	0.21539	ug/L	10/18/10	19:06	
CCV	Ni	2542.22143	2548.15112	2536.29174	0.32986	ug/L	10/18/10	19:06	
CCV	Pb	510.84524	509.86697	511.82351	0.27082	ug/L	10/18/10	19:06	
CCV	Se	5039.25292	5051.66699	5026.83935	0.34838	ug/L	10/18/10	19:06	
CCV	Sb	493.43026	489.10787	497.75265	1.23883	ug/L	10/18/10	19:06	
CCV	Sn	5059.62695	5072.63476	5046.61914	0.36358	ug/L	10/18/10	19:06	
CCV	Sr	2543.03637	2546.99243	2539.08032	0.22000	ug/L	10/18/10	19:06	
CCV	Ti	501.19702	502.50671	499.88732	0.36955	ug/L	10/18/10	19:06	
CCV	Tl	5016.66601	5031.04345	5002.28808	0.40531	ug/L	10/18/10	19:06	
CCV	V	5040.17871	5054.57714	5025.77978	0.40400	ug/L	10/18/10	19:06	
CCV	Zn	2550.57666	2557.15185	2544.00122	0.36458	ug/L	10/18/10	19:06	
CCV	2203/1	513.20910	513.74456	512.67358	0.14756	ug/L	10/18/10	19:06	
CCV	2203/2	509.66510	507.93109	511.39910	0.48115	ug/L	10/18/10	19:06	
CCV	1960/1	5081.08593	5106.21435	5055.95751	0.69939	ug/L	10/18/10	19:06	
CCV	1960/2	5018.36816	5024.43457	5012.30175	0.17095	ug/L	10/18/10	19:06	
CCV	Y	1027.80895	1027.07995	1028.53796	0.10030		10/18/10	19:06	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-1.10053	0.35409	-2.55516	186.92366	ug/L	10/18/10	19:12	
CCB	Al	-7.19616	-8.57789	-5.81444	27.15406	ug/L	10/18/10	19:12	
CCB	2Al	-0.00719	-0.00857	-0.00581	27.15416	mg/L	10/18/10	19:12	
CCB	As	-0.94611	-1.39621	-0.49601	67.27897	ug/L	10/18/10	19:12	
CCB	B	9.71164	11.25944	8.16384	22.53917	ug/L	10/18/10	19:12	
CCB	Ba	0.87860	0.10375	1.65346	124.72119	ug/L	10/18/10	19:12	
CCB	Be	0.05056	-0.00930	0.11043	167.44943	ug/L	10/18/10	19:12	
CCB	Ca	1.32851	-0.37803	3.03505	181.66294	ug/L	10/18/10	19:12	
CCB	Cd	-0.16967	-0.40005	0.06070	192.01770	ug/L	10/18/10	19:12	
CCB	Co	0.40562	0.86486	-0.05362	160.11746	ug/L	10/18/10	19:12	
CCB	Cr	0.70042	-0.39028	1.79112	220.22319	ug/L	10/18/10	19:12	
CCB	Cu	1.26404	1.20254	1.32555	6.88129	ug/L	10/18/10	19:12	
CCB	Fe	-8.45354	7.22408	-24.13117	262.27481	ug/L	10/18/10	19:12	
CCB	2Fe	-0.00845	0.00722	-0.02412	262.28158	mg/L	10/18/10	19:12	
CCB	K	-17.76002	1.24990	-36.76995	151.37419	ug/L	10/18/10	19:12	
CCB	Mg	-7.25445	-8.74368	-5.76523	29.03155	ug/L	10/18/10	19:12	
CCB	2Mg	-0.00725	-0.00874	-0.00575	29.10171	mg/L	10/18/10	19:12	
CCB	Mn	0.94555	-0.02844	1.91954	145.67549	ug/L	10/18/10	19:12	
CCB	Mo	-0.49412	1.64351	-2.63176	611.80468	ug/L	10/18/10	19:12	
CCB	Na	98.79981	174.39698	23.20265	108.20924	ug/L	10/18/10	19:12	
CCB	Ni	0.01004	0.95554	-0.93544	13305.13183	ug/L	10/18/10	19:12	
CCB	Pb	-3.27378	-3.62803	-2.91953	15.30293	ug/L	10/18/10	19:12	
CCB	Se	-1.85853	-1.19346	-2.52359	50.60675	ug/L	10/18/10	19:12	
CCB	Sb	-4.39668	6.54804	-15.34142	352.04214	ug/L	10/18/10	19:12	
CCB	Sn	0.20131	4.20995	-3.80732	2816.01489	ug/L	10/18/10	19:12	
CCB	Sr	0.71715	0.04546	1.38885	132.45616	ug/L	10/18/10	19:12	
CCB	Ti	-0.18935	-0.30134	-0.07735	83.64795	ug/L	10/18/10	19:12	
CCB	Tl	-0.42348	5.54814	-6.39510	1994.21765	ug/L	10/18/10	19:12	
CCB	V	-0.22787	0.35801	-0.81377	363.60565	ug/L	10/18/10	19:12	
CCB	Zn	0.78706	0.71625	0.85786	12.72193	ug/L	10/18/10	19:12	
CCB	2203/1	-3.39364	-0.75810	-6.02919	109.82923	ug/L	10/18/10	19:12	
CCB	2203/2	-3.21393	-5.06084	-1.36703	81.26840	ug/L	10/18/10	19:12	
CCB	1960/1	3.54988	4.94080	2.15895	55.41207	ug/L	10/18/10	19:12	
CCB	1960/2	-4.55868	-4.25600	-4.86135	9.38976	ug/L	10/18/10	19:12	
CCB	Y	1013.97595	1018.08892	1009.86297	0.57364		10/18/10	19:12	
61929-3	Ag	-0.01757	0.96474	-0.99990	7903.09765	ug/L	10/18/10	19:17	
61929-3	Al	-0.54264	-2.02767	0.94238	387.02142	ug/L	10/18/10	19:17	
61929-3	2Al	-0.00054	-0.00202	0.00094	387.02722	mg/L	10/18/10	19:17	
61929-3	As	-2.48188	0.92946	-5.89323	194.38375	ug/L	10/18/10	19:17	
61929-3	B	84.07185	84.16898	83.97473	0.16338	ug/L	10/18/10	19:17	
61929-3	Ba	42.61137	42.49278	42.72997	0.39360	ug/L	10/18/10	19:17	
61929-3	Be	0.00209	0.00315	0.00103	71.39859	ug/L	10/18/10	19:17	
61929-3	Ca	52290.68750	52314.07421	52267.29687	0.06325	ug/L	10/18/10	19:17	
61929-3	Cd	-0.16269	-0.26224	-0.06315	86.52632	ug/L	10/18/10	19:17	
61929-3	Co	-0.56630	-0.40210	-0.73050	41.00587	ug/L	10/18/10	19:17	
61929-3	Cr	0.09965	0.21460	-0.01529	163.12985	ug/L	10/18/10	19:17	
61929-3	Cu	-0.16936	-0.59899	0.26027	358.75961	ug/L	10/18/10	19:17	
61929-3	Fe	103.01901	98.31672	107.72129	6.45514	ug/L	10/18/10	19:17	
61929-3	2Fe	0.10300	0.09830	0.10770	6.45504	mg/L	10/18/10	19:17	
61929-3	K	9481.37695	9477.31250	9485.44042	0.06061	ug/L	10/18/10	19:17	
61929-3	Mg	35038.35937	35078.30078	34998.42187	0.16120	ug/L	10/18/10	19:17	
61929-3	2Mg	35.02845	35.06838	34.98852	0.16120	mg/L	10/18/10	19:17	
61929-3	Mn	12.28051	12.10235	12.45868	2.05172	ug/L	10/18/10	19:17	
61929-3	Mo	0.07974	0.70579	-0.54630	1110.21154	ug/L	10/18/10	19:17	
61929-3	Na	229245.29687	229341.45312	229149.14062	0.05931	ug/L	10/18/10	19:17	
61929-3	Ni	0.41519	-0.15796	0.98835	195.22808	ug/L	10/18/10	19:17	
61929-3	Pb	-1.37932	-1.82049	-0.93816	45.23240	ug/L	10/18/10	19:17	
61929-3	Se	0.97176	-0.74799	2.69152	250.27714	ug/L	10/18/10	19:17	
61929-3	Sb	-2.81705	-0.87834	-4.75577	97.32701	ug/L	10/18/10	19:17	
61929-3	Sn	0.07208	1.49431	-1.35014	2790.22729	ug/L	10/18/10	19:17	
61929-3	Sr	13227.70312	13222.06445	13233.34082	0.06027	ug/L	10/18/10	19:17	
61929-3	Ti	-0.12615	-0.25356	0.00126	142.84394	ug/L	10/18/10	19:17	
61929-3	Tl	-2.54200	-3.76249	-1.32152	67.90022	ug/L	10/18/10	19:17	
61929-3	V	-0.23418	0.11463	-0.58300	210.64692	ug/L	10/18/10	19:17	
61929-3	Zn	1.77489	1.53955	2.01024	18.75200	ug/L	10/18/10	19:17	
61929-3	2203/1	1.43186	3.50167	-0.63794	204.42941	ug/L	10/18/10	19:17	
61929-3	2203/2	-2.78281	-4.47758	-1.08804	86.12743	ug/L	10/18/10	19:17	
61929-3	1960/1	6.24019	8.31975	4.16063	47.12904	ug/L	10/18/10	19:17	
61929-3	1960/2	-1.65850	-5.27506	1.95806	308.38671	ug/L	10/18/10	19:17	
61929-3	Y	988.13244	990.19793	986.06695	0.29561		10/18/10	19:17	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61929-3 1/10	Ag	0.18349	0.64908	-0.28210	358.84579	ug/L	10/18/10	19:22	
61929-3 1/10	Al	-6.66314	-4.58880	-8.73749	44.02665	ug/L	10/18/10	19:22	
61929-3 1/10	2Al	-0.00666	-0.00458	-0.00873	44.02682	mg/L	10/18/10	19:22	
61929-3 1/10	As	-2.07401	0.19307	-4.34109	154.58653	ug/L	10/18/10	19:22	
61929-3 1/10	B	7.77930	8.31769	7.24091	9.78747	ug/L	10/18/10	19:22	
61929-3 1/10	Ba	4.58414	4.49991	4.66836	2.59828	ug/L	10/18/10	19:22	
61929-3 1/10	Be	0.00945	0.00468	0.01423	71.41107	ug/L	10/18/10	19:22	
61929-3 1/10	Ca	5359.77246	5358.51025	5361.03515	0.03331	ug/L	10/18/10	19:22	
61929-3 1/10	Cd	0.00307	-0.20763	0.21379	9681.18945	ug/L	10/18/10	19:22	
61929-3 1/10	Co	-0.09709	0.54882	-0.74302	940.78344	ug/L	10/18/10	19:22	
61929-3 1/10	Cr	-0.23139	-0.57133	0.10853	207.75463	ug/L	10/18/10	19:22	
61929-3 1/10	Cu	0.47950	0.71913	0.23986	70.67734	ug/L	10/18/10	19:22	
61929-3 1/10	Fe	1.66227	12.26176	-8.93722	901.77520	ug/L	10/18/10	19:22	
61929-3 1/10	2Fe	0.00166	0.01226	-0.00893	901.80035	mg/L	10/18/10	19:22	
61929-3 1/10	K	816.03277	823.91381	808.15173	1.36581	ug/L	10/18/10	19:22	
61929-3 1/10	Mg	3589.53784	3590.77978	3588.29589	0.04893	ug/L	10/18/10	19:22	
61929-3 1/10	2Mg	3.58852	3.58976	3.58728	0.04886	mg/L	10/18/10	19:22	
61929-3 1/10	Mn	1.47773	1.47195	1.48352	0.55372	ug/L	10/18/10	19:22	
61929-3 1/10	Mo	-1.53430	-1.14253	-1.92606	36.11056	ug/L	10/18/10	19:22	
61929-3 1/10	Na	21159.57031	21252.10937	21067.03125	0.61849	ug/L	10/18/10	19:22	
61929-3 1/10	Ni	0.85632	1.40941	0.30324	91.34146	ug/L	10/18/10	19:22	
61929-3 1/10	Pb	1.38261	0.92959	1.83563	46.33693	ug/L	10/18/10	19:22	
61929-3 1/10	Se	3.99742	5.47551	2.51934	52.29184	ug/L	10/18/10	19:22	
61929-3 1/10	Sb	-2.63673	0.03819	-5.31166	143.46981	ug/L	10/18/10	19:22	
61929-3 1/10	Sn	0.57428	-1.00992	2.15850	390.12158	ug/L	10/18/10	19:22	
61929-3 1/10	Sr	1436.62988	1434.24328	1439.01635	0.23492	ug/L	10/18/10	19:22	
61929-3 1/10	Ti	-0.33622	-0.26105	-0.41138	31.61668	ug/L	10/18/10	19:22	
61929-3 1/10	Tl	-0.75407	-2.99446	1.48631	420.16790	ug/L	10/18/10	19:22	
61929-3 1/10	V	0.08397	-0.36121	0.52916	749.76605	ug/L	10/18/10	19:22	
61929-3 1/10	Zn	0.65924	0.85284	0.46564	41.53101	ug/L	10/18/10	19:22	
61929-3 1/10	2203/1	3.02270	-0.63191	6.67731	170.98643	ug/L	10/18/10	19:22	
61929-3 1/10	2203/2	0.56380	1.70918	-0.58158	287.30276	ug/L	10/18/10	19:22	
61929-3 1/10	1960/1	9.85742	8.29926	11.41559	22.35450	ug/L	10/18/10	19:22	
61929-3 1/10	1960/2	1.07176	4.06569	-1.92217	395.05621	ug/L	10/18/10	19:22	
61929-3 1/10	Y	1011.91943	1011.14996	1012.68896	0.10754		10/18/10	19:22	
61931-1	Ag	-0.05133	0.35285	-0.45552	1113.43566	ug/L	10/18/10	19:27	
61931-1	Al	-1.95094	1.74125	-5.64313	267.64239	ug/L	10/18/10	19:27	
61931-1	2Al	-0.00195	0.00174	-0.00564	267.64154	mg/L	10/18/10	19:27	
61931-1	As	2.95595	2.42073	3.49117	25.60642	ug/L	10/18/10	19:27	
61931-1	B	165.61145	164.65542	166.56745	0.81637	ug/L	10/18/10	19:27	
61931-1	Ba	6.60011	6.71947	6.48076	2.55747	ug/L	10/18/10	19:27	
61931-1	Be	-0.00051	0.00918	-0.01022	2638.39233	ug/L	10/18/10	19:27	
61931-1	Ca	36285.66796	36308.07031	36263.26562	0.08731	ug/L	10/18/10	19:27	
61931-1	Cd	0.09245	0.22342	-0.03850	200.31538	ug/L	10/18/10	19:27	
61931-1	Co	0.17066	-0.39097	0.73231	465.39471	ug/L	10/18/10	19:27	
61931-1	Cr	-0.20975	-0.39011	-0.02938	121.60609	ug/L	10/18/10	19:27	
61931-1	Cu	2.22847	2.77759	1.67934	34.84807	ug/L	10/18/10	19:27	
61931-1	Fe	28.41977	48.37801	8.46152	99.31542	ug/L	10/18/10	19:27	
61931-1	2Fe	0.02841	0.04837	0.00846	99.31484	mg/L	10/18/10	19:27	
61931-1	K	6684.50195	6689.20068	6679.80322	0.09940	ug/L	10/18/10	19:27	
61931-1	Mg	8695.02832	8699.21679	8690.83984	0.06812	ug/L	10/18/10	19:27	
61931-1	2Mg	8.69257	8.69675	8.68838	0.06805	mg/L	10/18/10	19:27	
61931-1	Mn	6.79141	6.81424	6.76859	0.47535	ug/L	10/18/10	19:27	
61931-1	Mo	-1.48180	-0.87172	-2.09189	58.22525	ug/L	10/18/10	19:27	
61931-1	Na	31000.42968	30973.60742	31027.25000	0.12235	ug/L	10/18/10	19:27	
61931-1	Ni	0.13352	0.93225	-0.66519	845.95349	ug/L	10/18/10	19:27	
61931-1	Pb	-1.31833	-3.21680	0.58013	203.65405	ug/L	10/18/10	19:27	
61931-1	Se	4.61178	3.80436	5.41920	24.75964	ug/L	10/18/10	19:27	
61931-1	Sb	0.19483	1.60333	-1.21367	1022.37603	ug/L	10/18/10	19:27	
61931-1	Sn	3.00192	4.19750	1.80634	56.32403	ug/L	10/18/10	19:27	
61931-1	Sr	96.38542	96.30197	96.46887	0.12244	ug/L	10/18/10	19:27	
61931-1	Ti	-0.43600	-0.48445	-0.38754	15.71612	ug/L	10/18/10	19:27	
61931-1	Tl	-2.49781	2.07064	-7.06626	258.65740	ug/L	10/18/10	19:27	
61931-1	V	0.61391	2.05318	-0.82534	331.54837	ug/L	10/18/10	19:27	
61931-1	Zn	21.77215	21.73333	21.81097	0.25214	ug/L	10/18/10	19:27	
61931-1	2203/1	0.08499	-0.06757	0.23755	253.85702	ug/L	10/18/10	19:27	
61931-1	2203/2	-2.01895	-4.78907	0.75116	194.03839	ug/L	10/18/10	19:27	
61931-1	1960/1	6.65564	6.14565	7.16564	10.83654	ug/L	10/18/10	19:27	
61931-1	1960/2	3.59131	2.63533	4.54729	37.64532	ug/L	10/18/10	19:27	
61931-1	Y	1018.51647	1020.28497	1016.74798	0.24555		10/18/10	19:27	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61986-2	Ag	0.88906	1.94334	-0.16520	167.69960	ug/L	10/18/10	19:32	
61986-2	Al	-1.09742	-1.23471	-0.96013	17.69228	ug/L	10/18/10	19:32	
61986-2	2Al	-0.00109	-0.00123	-0.00096	17.69315	mg/L	10/18/10	19:32	
61986-2	As	5.43517	0.84550	10.02485	119.42173	ug/L	10/18/10	19:32	
61986-2	B	75.85626	74.98476	76.72776	1.62476	ug/L	10/18/10	19:32	
61986-2	Ba	29.82017	29.87032	29.77002	0.23783	ug/L	10/18/10	19:32	
61986-2	Be	0.01044	0.06501	-0.04413	739.02502	ug/L	10/18/10	19:32	
61986-2	Ca	49119.88281	49062.52343	49177.24218	0.16514	ug/L	10/18/10	19:32	
61986-2	Cd	0.00111	0.36791	-0.36567	46316.94531	ug/L	10/18/10	19:32	
61986-2	Co	0.27055	0.21011	0.33100	31.59451	ug/L	10/18/10	19:32	
61986-2	Cr	-0.02252	-0.34342	0.29836	2014.37048	ug/L	10/18/10	19:32	
61986-2	Cu	1.09315	0.56295	1.62335	68.59157	ug/L	10/18/10	19:32	
61986-2	Fe	11.67924	22.44018	0.91830	130.30186	ug/L	10/18/10	19:32	
61986-2	2Fe	0.01167	0.02243	0.00091	130.30215	mg/L	10/18/10	19:32	
61986-2	K	5773.65771	5775.42675	5771.88867	0.04333	ug/L	10/18/10	19:32	
61986-2	Mg	35171.68750	35126.95703	35216.42187	0.17986	ug/L	10/18/10	19:32	
61986-2	2Mg	35.16175	35.11703	35.20647	0.17987	mg/L	10/18/10	19:32	
61986-2	Mn	0.25363	0.15333	0.35392	55.92234	ug/L	10/18/10	19:32	
61986-2	Mo	14.57350	15.82527	13.32174	12.14716	ug/L	10/18/10	19:32	
61986-2	Na	101735.39062	101746.14843	101724.62500	0.01495	ug/L	10/18/10	19:32	
61986-2	Ni	0.71397	1.47447	-0.04652	150.63732	ug/L	10/18/10	19:32	
61986-2	Pb	-1.23101	-2.48455	0.02252	144.00927	ug/L	10/18/10	19:32	
61986-2	Se	5.46402	7.48924	3.43880	52.41733	ug/L	10/18/10	19:32	
61986-2	Sb	-6.56945	-0.11274	-13.02615	138.99420	ug/L	10/18/10	19:32	
61986-2	Sn	-0.14248	2.22127	-2.50624	2346.07275	ug/L	10/18/10	19:32	
61986-2	Sr	15566.82714	15561.82226	15571.83203	0.04546	ug/L	10/18/10	19:32	
61986-2	Ti	-0.18026	-0.44625	0.08572	208.67430	ug/L	10/18/10	19:32	
61986-2	Tl	-5.04147	-2.69329	-7.38965	65.87005	ug/L	10/18/10	19:32	
61986-2	V	-0.45106	0.32600	-1.22814	243.63385	ug/L	10/18/10	19:32	
61986-2	Zn	3.98351	4.17014	3.79688	6.62566	ug/L	10/18/10	19:32	
61986-2	2203/1	-0.37084	5.97249	-6.71419	2419.00390	ug/L	10/18/10	19:32	
61986-2	2203/2	-1.66045	-6.70674	3.38583	429.79412	ug/L	10/18/10	19:32	
61986-2	1960/1	8.19820	9.66300	6.73341	25.26809	ug/L	10/18/10	19:32	
61986-2	1960/2	4.09866	6.40336	1.79396	79.52201	ug/L	10/18/10	19:32	
61986-2	Y	1002.95092	1004.74194	1001.15997	0.25253		10/18/10	19:32	
61986-2 1/10	Ag	1.01238	-0.22398	2.24875	172.71058	ug/L	10/18/10	19:38	
61986-2 1/10	Al	-12.17506	-11.11096	-13.23915	12.36018	ug/L	10/18/10	19:38	
61986-2 1/10	2Al	-0.01217	-0.01111	-0.01324	12.36024	mg/L	10/18/10	19:38	
61986-2 1/10	As	-2.73788	-5.39754	-0.07822	137.38063	ug/L	10/18/10	19:38	
61986-2 1/10	B	3.25642	2.48008	4.03276	33.71504	ug/L	10/18/10	19:38	
61986-2 1/10	Ba	3.06090	2.94620	3.17559	5.29922	ug/L	10/18/10	19:38	
61986-2 1/10	Be	-0.03303	-0.03816	-0.02790	21.96202	ug/L	10/18/10	19:38	
61986-2 1/10	Ca	4877.71630	4873.05761	4882.37500	0.13507	ug/L	10/18/10	19:38	
61986-2 1/10	Cd	0.15795	0.28543	0.03048	114.13031	ug/L	10/18/10	19:38	
61986-2 1/10	Co	-1.13101	-2.31168	0.04965	147.62963	ug/L	10/18/10	19:38	
61986-2 1/10	Cr	-1.42390	-2.45936	-0.38844	102.84098	ug/L	10/18/10	19:38	
61986-2 1/10	Cu	-1.24415	-1.68571	-0.80259	50.19183	ug/L	10/18/10	19:38	
61986-2 1/10	Fe	4.85706	10.00844	-0.29431	149.99095	ug/L	10/18/10	19:38	
61986-2 1/10	2Fe	0.00485	0.01000	-0.00029	149.98745	mg/L	10/18/10	19:38	
61986-2 1/10	K	516.61706	514.36883	518.86535	0.61545	ug/L	10/18/10	19:38	
61986-2 1/10	Mg	3450.52832	3438.25268	3462.80371	0.50311	ug/L	10/18/10	19:38	
61986-2 1/10	2Mg	3.44955	3.43727	3.46182	0.50315	mg/L	10/18/10	19:38	
61986-2 1/10	Mn	0.06798	-0.03152	0.16748	207.00079	ug/L	10/18/10	19:38	
61986-2 1/10	Mo	1.49788	1.94226	1.05350	41.95548	ug/L	10/18/10	19:38	
61986-2 1/10	Na	9446.87695	9525.16503	9368.58886	1.17198	ug/L	10/18/10	19:38	
61986-2 1/10	Ni	-0.10660	-0.15236	-0.06083	60.71138	ug/L	10/18/10	19:38	
61986-2 1/10	Pb	-1.30730	-1.08837	-1.52623	23.68337	ug/L	10/18/10	19:38	
61986-2 1/10	Se	2.74659	3.07208	2.42110	16.75933	ug/L	10/18/10	19:38	
61986-2 1/10	Sb	-2.12168	-5.73039	1.48702	240.53894	ug/L	10/18/10	19:38	
61986-2 1/10	Sn	-0.58459	-2.92845	1.75926	567.01147	ug/L	10/18/10	19:38	
61986-2 1/10	Sr	1667.59777	1668.55151	1666.64404	0.08088	ug/L	10/18/10	19:38	
61986-2 1/10	Ti	-0.58891	-0.78120	-0.39662	46.17618	ug/L	10/18/10	19:38	
61986-2 1/10	Tl	-2.49961	-1.98957	-3.00964	28.85637	ug/L	10/18/10	19:38	
61986-2 1/10	V	0.24065	-0.69546	1.17676	550.12103	ug/L	10/18/10	19:38	
61986-2 1/10	Zn	-0.01393	-0.50456	0.47668	4978.97900	ug/L	10/18/10	19:38	
61986-2 1/10	2203/1	10.65451	7.83539	13.47363	37.41925	ug/L	10/18/10	19:38	
61986-2 1/10	2203/2	-7.27917	-5.54350	-9.01485	33.72103	ug/L	10/18/10	19:38	
61986-2 1/10	1960/1	14.59228	12.60326	16.58130	19.27663	ug/L	10/18/10	19:38	
61986-2 1/10	1960/2	-3.16739	-1.68640	-4.64837	66.12461	ug/L	10/18/10	19:38	
61986-2 1/10	Y	998.38342	997.11895	999.64794	0.17911		10/18/10	19:38	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61986-1	Ag	0.24730	0.77746	-0.28286	303.17849	ug/L	10/18/10	19:43	
61986-1	Al	-1.54660	-1.71526	-1.37795	15.42208	ug/L	10/18/10	19:43	
61986-1	2Al	-0.00154	-0.00171	-0.00137	15.42220	mg/L	10/18/10	19:43	
61986-1	As	0.02121	1.76176	-1.71933	11603.69628	ug/L	10/18/10	19:43	
61986-1	B	89.43371	88.36775	90.49967	1.68559	ug/L	10/18/10	19:43	
61986-1	Ba	26.44584	26.54995	26.34173	0.55672	ug/L	10/18/10	19:43	
61986-1	Be	-0.03641	-0.02763	-0.04519	34.10338	ug/L	10/18/10	19:43	
61986-1	Ca	49290.74218	49303.73437	49277.75390	0.03727	ug/L	10/18/10	19:43	
61986-1	Cd	-0.20286	0.10129	-0.50701	212.03590	ug/L	10/18/10	19:43	
61986-1	Co	0.11593	-0.28259	0.51447	486.13067	ug/L	10/18/10	19:43	
61986-1	Cr	-0.15958	-1.16949	0.85031	894.93560	ug/L	10/18/10	19:43	
61986-1	Cu	0.46316	0.70178	0.22455	72.85809	ug/L	10/18/10	19:43	
61986-1	Fe	-7.95097	0.96761	-16.86956	158.63203	ug/L	10/18/10	19:43	
61986-1	2Fe	-0.00795	0.00096	-0.01686	158.62963	mg/L	10/18/10	19:43	
61986-1	K	9098.26660	9105.30273	9091.23046	0.10936	ug/L	10/18/10	19:43	
61986-1	Mg	39039.11718	39023.85156	39054.38671	0.05530	ug/L	10/18/10	19:43	
61986-1	2Mg	39.02809	39.01283	39.04336	0.05531	mg/L	10/18/10	19:43	
61986-1	Mn	0.13214	0.10395	0.16033	30.16683	ug/L	10/18/10	19:43	
61986-1	Mo	9.45443	9.28045	9.62842	2.60253	ug/L	10/18/10	19:43	
61986-1	Na	168674.96875	168980.67187	168369.25000	0.25631	ug/L	10/18/10	19:43	
61986-1	Ni	0.21918	0.18979	0.24858	18.96564	ug/L	10/18/10	19:43	
61986-1	Pb	-0.73721	-0.81455	-0.65988	14.83548	ug/L	10/18/10	19:43	
61986-1	Se	5.84642	8.48691	3.20592	63.87189	ug/L	10/18/10	19:43	
61986-1	Sb	-5.81216	-1.53754	-10.08678	104.00975	ug/L	10/18/10	19:43	
61986-1	Sn	1.56745	2.74040	0.39451	105.82702	ug/L	10/18/10	19:43	
61986-1	Sr	13247.76660	13252.04492	13243.48828	0.04567	ug/L	10/18/10	19:43	
61986-1	Ti	-0.20722	-0.34751	-0.06692	95.74723	ug/L	10/18/10	19:43	
61986-1	Tl	-0.29567	-1.76160	1.17025	701.15887	ug/L	10/18/10	19:43	
61986-1	V	-0.80777	-0.45838	-1.15716	61.16944	ug/L	10/18/10	19:43	
61986-1	Zn	2.79272	2.62920	2.95624	8.28051	ug/L	10/18/10	19:43	
61986-1	2203/1	3.64483	4.83598	2.45369	46.21702	ug/L	10/18/10	19:43	
61986-1	2203/2	-2.92496	-3.63558	-2.21433	34.35868	ug/L	10/18/10	19:43	
61986-1	1960/1	12.98578	19.68734	6.28423	72.98307	ug/L	10/18/10	19:43	
61986-1	1960/2	2.28174	2.89510	1.66839	38.01531	ug/L	10/18/10	19:43	
61986-1	Y	999.37792	999.07196	999.68395	0.04330		10/18/10	19:43	
61986-1 1/10	Ag	0.66010	-0.22398	1.54420	189.40869	ug/L	10/18/10	19:48	
61986-1 1/10	Al	-3.94495	-4.62399	-3.26591	24.34270	ug/L	10/18/10	19:48	
61986-1 1/10	2Al	-0.00394	-0.00462	-0.00326	24.34271	mg/L	10/18/10	19:48	
61986-1 1/10	As	2.46771	3.63477	1.30065	66.88280	ug/L	10/18/10	19:48	
61986-1 1/10	B	6.42767	6.22220	6.63313	4.52069	ug/L	10/18/10	19:48	
61986-1 1/10	Ba	3.00706	3.08668	2.92744	3.74443	ug/L	10/18/10	19:48	
61986-1 1/10	Be	-0.00436	0.00181	-0.01053	200.20689	ug/L	10/18/10	19:48	
61986-1 1/10	Ca	4956.28222	4952.69580	4959.86816	0.10232	ug/L	10/18/10	19:48	
61986-1 1/10	Cd	0.06534	-0.02598	0.15666	197.66178	ug/L	10/18/10	19:48	
61986-1 1/10	Co	0.54463	0.81654	0.27271	70.60631	ug/L	10/18/10	19:48	
61986-1 1/10	Cr	-0.82350	-0.98283	-0.66416	27.36315	ug/L	10/18/10	19:48	
61986-1 1/10	Cu	0.18826	-0.37414	0.75067	422.46820	ug/L	10/18/10	19:48	
61986-1 1/10	Fe	15.52910	7.24430	23.81390	75.44848	ug/L	10/18/10	19:48	
61986-1 1/10	2Fe	0.01552	0.00724	0.02381	75.44670	mg/L	10/18/10	19:48	
61986-1 1/10	K	803.03173	799.74786	806.31561	0.57832	ug/L	10/18/10	19:48	
61986-1 1/10	Mg	3903.91796	3905.27197	3902.56372	0.04905	ug/L	10/18/10	19:48	
61986-1 1/10	2Mg	3.90281	3.90416	3.90145	0.04910	mg/L	10/18/10	19:48	
61986-1 1/10	Mn	0.17110	0.11999	0.22221	42.24287	ug/L	10/18/10	19:48	
61986-1 1/10	Mo	2.41477	3.77496	1.05457	79.65991	ug/L	10/18/10	19:48	
61986-1 1/10	Na	15396.20507	15309.38085	15483.02832	0.79751	ug/L	10/18/10	19:48	
61986-1 1/10	Ni	1.31509	2.12195	0.50822	86.76790	ug/L	10/18/10	19:48	
61986-1 1/10	Pb	-2.06358	-0.17836	-3.94880	129.19758	ug/L	10/18/10	19:48	
61986-1 1/10	Se	2.51133	7.19658	-2.17391	263.84100	ug/L	10/18/10	19:48	
61986-1 1/10	Sb	-0.81167	-4.28111	2.65775	604.49127	ug/L	10/18/10	19:48	
61986-1 1/10	Sn	3.43554	3.96822	2.90285	21.92765	ug/L	10/18/10	19:48	
61986-1 1/10	Sr	1425.20397	1422.94006	1427.46789	0.22464	ug/L	10/18/10	19:48	
61986-1 1/10	Ti	-0.28060	-0.26668	-0.29452	7.01530	ug/L	10/18/10	19:48	
61986-1 1/10	Tl	-3.07073	-0.19434	-5.94712	132.47077	ug/L	10/18/10	19:48	
61986-1 1/10	V	0.48351	0.33310	0.63393	43.99333	ug/L	10/18/10	19:48	
61986-1 1/10	Zn	1.02889	0.53601	1.52177	67.74591	ug/L	10/18/10	19:48	
61986-1 1/10	2203/1	6.10948	7.80060	4.41837	39.14565	ug/L	10/18/10	19:48	
61986-1 1/10	2203/2	-6.14399	-4.16187	-8.12611	45.62417	ug/L	10/18/10	19:48	
61986-1 1/10	1960/1	10.60932	17.26373	3.95491	88.70273	ug/L	10/18/10	19:48	
61986-1 1/10	1960/2	-1.53158	2.17056	-5.23372	341.84399	ug/L	10/18/10	19:48	
61986-1 1/10	Y	1001.68194	1004.81396	998.54992	0.44219		10/18/10	19:48	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61993-1	Ag	0.91087	0.76348	1.05826	22.88311	ug/L	10/18/10	19:53	
61993-1	Al	8.96397	7.54196	10.38598	22.43454	ug/L	10/18/10	19:53	
61993-1	2Al	0.00896	0.00754	0.01038	22.43471	mg/L	10/18/10	19:53	
61993-1	As	7.55271	6.49959	8.60582	19.71910	ug/L	10/18/10	19:53	
61993-1	B	154.80000	154.19696	155.40304	0.55092	ug/L	10/18/10	19:53	
61993-1	Ba	5.55702	5.58441	5.52964	0.69690	ug/L	10/18/10	19:53	
61993-1	Be	0.02721	0.04140	0.01302	73.74367	ug/L	10/18/10	19:53	
61993-1	Ca	48083.55078	48088.05078	48079.05078	0.01323	ug/L	10/18/10	19:53	
61993-1	Cd	-0.29392	0.05622	-0.64407	168.47381	ug/L	10/18/10	19:53	
61993-1	Co	0.09935	0.74787	-0.54916	923.09240	ug/L	10/18/10	19:53	
61993-1	Cr	-0.09424	-0.02679	-0.16169	101.20790	ug/L	10/18/10	19:53	
61993-1	Cu	3.97123	4.07677	3.86568	3.75860	ug/L	10/18/10	19:53	
61993-1	Fe	974.36853	983.97387	964.76318	1.39413	ug/L	10/18/10	19:53	
61993-1	2Fe	0.97424	0.98384	0.96464	1.39417	mg/L	10/18/10	19:53	
61993-1	K	1713.30725	1720.09997	1706.51452	0.56069	ug/L	10/18/10	19:53	
61993-1	Mg	12944.20117	12943.17285	12945.22851	0.01122	ug/L	10/18/10	19:53	
61993-1	2Mg	12.94038	12.93935	12.94141	0.01124	mg/L	10/18/10	19:53	
61993-1	Mn	14.86976	14.89336	14.84615	0.22451	ug/L	10/18/10	19:53	
61993-1	Mo	3.39887	4.70378	2.09395	54.29526	ug/L	10/18/10	19:53	
61993-1	Na	9367.18359	9351.22949	9383.13769	0.24086	ug/L	10/18/10	19:53	
61993-1	Ni	0.54271	0.97236	0.11307	111.95669	ug/L	10/18/10	19:53	
61993-1	Pb	-0.65464	-0.37038	-0.93890	61.40835	ug/L	10/18/10	19:53	
61993-1	Se	-0.75940	-1.36586	-0.15293	112.94142	ug/L	10/18/10	19:53	
61993-1	Sb	-2.59219	0.56076	-5.74514	172.01492	ug/L	10/18/10	19:53	
61993-1	Sn	0.57591	0.27524	0.87658	73.83170	ug/L	10/18/10	19:53	
61993-1	Sr	371.42590	370.77304	372.07879	0.24858	ug/L	10/18/10	19:53	
61993-1	Ti	0.66011	0.65980	0.66042	0.06545	ug/L	10/18/10	19:53	
61993-1	Tl	3.87742	9.70755	-1.95269	212.64173	ug/L	10/18/10	19:53	
61993-1	V	3.70185	3.96490	3.43879	10.04936	ug/L	10/18/10	19:53	
61993-1	Zn	16.06177	16.16279	15.96075	0.88948	ug/L	10/18/10	19:53	
61993-1	2203/1	6.60798	6.12315	7.09282	10.37623	ug/L	10/18/10	19:53	
61993-1	2203/2	-4.28051	-3.61228	-4.94874	22.07732	ug/L	10/18/10	19:53	
61993-1	1960/1	7.37646	8.28375	6.46917	17.39460	ug/L	10/18/10	19:53	
61993-1	1960/2	-4.82123	-6.18345	-3.45901	39.95792	ug/L	10/18/10	19:53	
61993-1	Y	1011.49645	1013.21093	1009.78198	0.23970		10/18/10	19:53	
CCV	Ag	502.54995	501.77752	503.32238	0.21736	ug/L	10/18/10	19:58	
CCV	Al	4983.34082	4976.05957	4990.62158	0.20662	ug/L	10/18/10	19:58	
CCV	2Al	4.98342	4.97634	4.99050	0.20091	mg/L	10/18/10	19:58	
CCV	As	500.75515	502.63735	498.87295	0.53156	ug/L	10/18/10	19:58	
CCV	B	5034.30371	5023.60546	5045.00146	0.30052	ug/L	10/18/10	19:58	
CCV	Ba	5064.25830	5058.70068	5069.81591	0.15519	ug/L	10/18/10	19:58	
CCV	Be	505.39007	504.48767	506.29244	0.25251	ug/L	10/18/10	19:58	
CCV	Ca	4944.30029	4920.90869	4967.69189	0.66906	ug/L	10/18/10	19:58	
CCV	Cd	495.15036	493.07580	497.22491	0.59251	ug/L	10/18/10	19:58	
CCV	Co	504.38824	502.57702	506.19943	0.50782	ug/L	10/18/10	19:58	
CCV	Cr	5021.60986	5009.99658	5033.22314	0.32705	ug/L	10/18/10	19:58	
CCV	Cu	5048.76464	5040.59326	5056.93554	0.22888	ug/L	10/18/10	19:58	
CCV	Fe	5026.24023	5018.76416	5033.71679	0.21035	ug/L	10/18/10	19:58	
CCV	2Fe	5.02624	5.01876	5.03372	0.21039	mg/L	10/18/10	19:58	
CCV	K	9643.81054	9631.47363	9656.14843	0.18092	ug/L	10/18/10	19:58	
CCV	Mg	5037.94482	5012.60351	5063.28613	0.71136	ug/L	10/18/10	19:58	
CCV	2Mg	5.03795	5.01261	5.06329	0.71129	mg/L	10/18/10	19:58	
CCV	Mn	5050.84960	5037.30126	5064.39794	0.37934	ug/L	10/18/10	19:58	
CCV	Mo	493.67160	492.81460	494.52859	0.24550	ug/L	10/18/10	19:58	
CCV	Na	7394.49121	7252.45361	7536.52929	2.71650	ug/L	10/18/10	19:58	
CCV	Ni	2519.38037	2515.46142	2523.29956	0.21999	ug/L	10/18/10	19:58	
CCV	Pb	501.09783	499.76007	502.43557	0.37754	ug/L	10/18/10	19:58	
CCV	Se	4992.98339	4984.06933	5001.89746	0.25248	ug/L	10/18/10	19:58	
CCV	Sb	498.31359	496.88491	499.74230	0.40546	ug/L	10/18/10	19:58	
CCV	Sn	4993.01074	4972.61523	5013.40625	0.57767	ug/L	10/18/10	19:58	
CCV	Sr	2541.26660	2540.77758	2541.75561	0.02721	ug/L	10/18/10	19:58	
CCV	Ti	501.89086	500.66812	503.11361	0.34454	ug/L	10/18/10	19:58	
CCV	Tl	4978.75195	4951.18164	5006.32275	0.78314	ug/L	10/18/10	19:58	
CCV	V	5044.64990	5031.39501	5057.90478	0.37158	ug/L	10/18/10	19:58	
CCV	Zn	2505.37646	2495.85400	2514.89916	0.53752	ug/L	10/18/10	19:58	
CCV	2203/1	508.26208	501.91445	514.60974	1.76619	ug/L	10/18/10	19:58	
CCV	2203/2	497.52105	498.68450	496.35763	0.33070	ug/L	10/18/10	19:58	
CCV	1960/1	5068.81640	5054.58886	5083.04394	0.39695	ug/L	10/18/10	19:58	
CCV	1960/2	4955.12353	4948.86230	4961.38476	0.17869	ug/L	10/18/10	19:58	
CCV	Y	998.16748	1001.69097	994.64398	0.49921		10/18/10	19:58	

15

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.04832	-0.34112	0.24448	856.97460	ug/L	10/18/10	20:03	
CCB	Al	-9.46969	-13.98746	-4.95191	67.46891	ug/L	10/18/10	20:03	
CCB	2Al	-0.00947	-0.01398	-0.00495	67.46838	mg/L	10/18/10	20:03	
CCB	As	-2.54428	-2.41698	-2.67157	7.07554	ug/L	10/18/10	20:03	
CCB	B	10.02164	11.97913	8.06414	27.62333	ug/L	10/18/10	20:03	
CCB	Ba	2.39537	0.38206	4.40868	118.86422	ug/L	10/18/10	20:03	
CCB	Be	0.18895	0.01059	0.36730	133.48942	ug/L	10/18/10	20:03	
CCB	Ca	5.41284	1.50680	9.31888	102.05311	ug/L	10/18/10	20:03	
CCB	Cd	0.32642	-0.01183	0.66468	146.54830	ug/L	10/18/10	20:03	
CCB	Co	-0.37779	-0.87007	0.11448	184.27799	ug/L	10/18/10	20:03	
CCB	Cr	1.07221	-0.93727	3.08171	265.04461	ug/L	10/18/10	20:03	
CCB	Cu	3.50570	1.80087	5.21052	68.77332	ug/L	10/18/10	20:03	
CCB	Fe	7.36488	6.08494	8.64482	24.57757	ug/L	10/18/10	20:03	
CCB	2Fe	0.00736	0.00608	0.00864	24.58602	mg/L	10/18/10	20:03	
CCB	K	2.96951	-1.75086	7.68988	224.80509	ug/L	10/18/10	20:03	
CCB	Mg	-2.74994	-5.77202	0.27213	155.41668	ug/L	10/18/10	20:03	
CCB	2Mg	-0.00274	-0.00577	0.00027	155.43188	mg/L	10/18/10	20:03	
CCB	Mn	2.17120	0.31422	4.02818	120.95458	ug/L	10/18/10	20:03	
CCB	Mo	1.75186	1.31232	2.19140	35.48241	ug/L	10/18/10	20:03	
CCB	Na	89.63211	78.68273	100.58149	17.27590	ug/L	10/18/10	20:03	
CCB	Ni	0.57778	-0.27340	1.42896	208.34046	ug/L	10/18/10	20:03	
CCB	Pb	-3.50343	-3.43631	-3.57054	2.70912	ug/L	10/18/10	20:03	
CCB	Se	1.80325	-2.27528	5.88179	319.86117	ug/L	10/18/10	20:03	
CCB	Sb	-9.79295	-13.48939	-6.09652	53.38068	ug/L	10/18/10	20:03	
CCB	Sn	2.77379	4.10885	1.43872	68.06793	ug/L	10/18/10	20:03	
CCB	Sr	1.20239	0.02442	2.38035	138.54818	ug/L	10/18/10	20:03	
CCB	Ti	0.21342	0.17538	0.25147	25.20660	ug/L	10/18/10	20:03	
CCB	Tl	0.67563	-2.28310	3.63437	619.31170	ug/L	10/18/10	20:03	
CCB	V	2.39523	-0.70930	5.49978	183.30082	ug/L	10/18/10	20:03	
CCB	Zn	0.83061	-0.37213	2.03337	204.78172	ug/L	10/18/10	20:03	
CCB	2203/1	1.30240	3.17656	-0.57175	203.50514	ug/L	10/18/10	20:03	
CCB	2203/2	-5.90274	-6.73780	-5.06769	20.00677	ug/L	10/18/10	20:03	
CCB	1960/1	14.04052	7.95767	20.12337	61.26871	ug/L	10/18/10	20:03	
CCB	1960/2	-4.30619	-7.38408	-1.22831	101.08194	ug/L	10/18/10	20:03	
CCB	Y	1004.93542	1004.84094	1005.02996	0.01330		10/18/10	20:03	
61778-1 1/10	Ag	-0.34111	-0.16518	-0.51703	72.93580	ug/L	10/18/10	20:09	
61778-1 1/10	Al	46.79471	47.08628	46.50313	0.88118	ug/L	10/18/10	20:09	
61778-1 1/10	2Al	0.04679	0.04708	0.04650	0.88118	mg/L	10/18/10	20:09	
61778-1 1/10	As	1.20877	-1.85084	4.26838	357.96237	ug/L	10/18/10	20:09	
61778-1 1/10	B	189.76199	191.67501	187.84898	1.42568	ug/L	10/18/10	20:09	
61778-1 1/10	Ba	3.13670	2.68479	3.58861	20.37482	ug/L	10/18/10	20:09	
61778-1 1/10	Be	0.04952	-0.00027	0.09933	142.22038	ug/L	10/18/10	20:09	
61778-1 1/10	Ca	10206.97753	10301.36523	10112.58984	1.30777	ug/L	10/18/10	20:09	
61778-1 1/10	Cd	-0.10623	-0.00127	-0.21120	139.72793	ug/L	10/18/10	20:09	
61778-1 1/10	Co	3.58180	3.06649	4.09710	20.34594	ug/L	10/18/10	20:09	
61778-1 1/10	Cr	1.55506	0.84881	2.26130	64.22775	ug/L	10/18/10	20:09	
61778-1 1/10	Cu	1.37027	-0.04584	2.78639	146.15313	ug/L	10/18/10	20:09	
61778-1 1/10	Fe	519.58624	531.83184	507.34060	3.33302	ug/L	10/18/10	20:09	
61778-1 1/10	2Fe	0.51952	0.53176	0.50727	3.33294	mg/L	10/18/10	20:09	
61778-1 1/10	K	73.21749	71.99629	74.43869	2.35877	ug/L	10/18/10	20:09	
61778-1 1/10	Mg	4049.47363	4086.26831	4012.67895	1.28499	ug/L	10/18/10	20:09	
61778-1 1/10	2Mg	4.04894	4.08573	4.01215	1.28495	mg/L	10/18/10	20:09	
61778-1 1/10	Mn	1539.59667	1553.64294	1525.55053	1.29022	ug/L	10/18/10	20:09	
61778-1 1/10	Mo	0.43578	1.75858	-0.88701	429.27395	ug/L	10/18/10	20:09	
61778-1 1/10	Na	24372.65625	24648.84375	24096.46679	1.60257	ug/L	10/18/10	20:09	
61778-1 1/10	Ni	1.56775	0.80179	2.33371	69.09410	ug/L	10/18/10	20:09	
61778-1 1/10	Pb	-1.52410	-2.28962	-0.75858	71.03239	ug/L	10/18/10	20:09	
61778-1 1/10	Se	10.10690	9.69451	10.51928	5.77035	ug/L	10/18/10	20:09	
61778-1 1/10	Sb	-1.76124	-1.46186	-2.06063	24.03946	ug/L	10/18/10	20:09	
61778-1 1/10	Sn	2.19806	4.08571	0.31041	121.44926	ug/L	10/18/10	20:09	
61778-1 1/10	Sr	73.55119	74.00430	73.09808	0.87122	ug/L	10/18/10	20:09	
61778-1 1/10	Ti	3.81427	3.66848	3.96005	5.40530	ug/L	10/18/10	20:09	
61778-1 1/10	Tl	-0.29220	-2.23888	1.65448	942.16876	ug/L	10/18/10	20:09	
61778-1 1/10	V	0.29965	-0.37933	0.97865	320.44860	ug/L	10/18/10	20:09	
61778-1 1/10	Zn	1.45116	0.86803	2.03430	56.82867	ug/L	10/18/10	20:09	
61778-1 1/10	2203/1	-2.21301	-3.28109	-1.14494	68.25474	ug/L	10/18/10	20:09	
61778-1 1/10	2203/2	-1.18016	-1.79462	-0.56569	73.63235	ug/L	10/18/10	20:09	
61778-1 1/10	1960/1	14.81150	13.54859	16.07442	12.05839	ug/L	10/18/10	20:09	
61778-1 1/10	1960/2	7.75812	7.77035	7.74588	0.22307	ug/L	10/18/10	20:09	
61778-1 1/10	Y	1002.55493	1000.93493	1004.17492	0.22851		10/18/10	20:09	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61778-1S 1/10	Ag	4.66450	5.11024	4.21875	13.51442	ug/L	10/18/10	20:14	
61778-1S 1/10	Al	298.33544	304.31509	292.35577	2.83456	ug/L	10/18/10	20:14	
61778-1S 1/10	2Al	0.29835	0.30433	0.29237	2.83455	mg/L	10/18/10	20:14	
61778-1S 1/10	As	215.14749	218.08326	212.21173	1.92974	ug/L	10/18/10	20:14	
61778-1S 1/10	B	301.54824	303.33325	299.76324	0.83713	ug/L	10/18/10	20:14	
61778-1S 1/10	Ba	218.73405	218.49517	218.97293	0.15444	ug/L	10/18/10	20:14	
61778-1S 1/10	Be	5.28048	5.31343	5.24754	0.88235	ug/L	10/18/10	20:14	
61778-1S 1/10	Ca	11177.36132	11212.35449	11142.36914	0.44274	ug/L	10/18/10	20:14	
61778-1S 1/10	Cd	4.89759	4.67200	5.12317	6.51388	ug/L	10/18/10	20:14	
61778-1S 1/10	Co	58.07021	58.64965	57.49077	1.41114	ug/L	10/18/10	20:14	
61778-1S 1/10	Cr	23.10307	23.97464	22.23149	5.33518	ug/L	10/18/10	20:14	
61778-1S 1/10	Cu	29.86704	30.53137	29.20270	3.14565	ug/L	10/18/10	20:14	
61778-1S 1/10	Fe	626.97668	637.71807	616.23535	2.42283	ug/L	10/18/10	20:14	
61778-1S 1/10	2Fe	0.62692	0.63766	0.61618	2.42279	mg/L	10/18/10	20:14	
61778-1S 1/10	K	586.19616	589.56457	582.82775	0.81263	ug/L	10/18/10	20:14	
61778-1S 1/10	Mg	4731.23681	4759.07812	4703.39550	0.83220	ug/L	10/18/10	20:14	
61778-1S 1/10	2Mg	4.73055	4.75838	4.70272	0.83208	mg/L	10/18/10	20:14	
61778-1S 1/10	Mn	1665.38793	1669.19274	1661.58325	0.32309	ug/L	10/18/10	20:14	
61778-1S 1/10	Mo	49.20366	50.18629	48.22103	2.82428	ug/L	10/18/10	20:14	
61778-1S 1/10	Na	26138.39453	26060.18554	26216.60156	0.42314	ug/L	10/18/10	20:14	
61778-1S 1/10	Ni	53.37929	53.50440	53.25418	0.33145	ug/L	10/18/10	20:14	
61778-1S 1/10	Pb	51.37793	51.70186	51.05401	0.89162	ug/L	10/18/10	20:14	
61778-1S 1/10	Se	209.47746	208.46418	210.49073	0.68407	ug/L	10/18/10	20:14	
61778-1S 1/10	Sb	42.52916	47.04632	38.01200	15.02082	ug/L	10/18/10	20:14	
61778-1S 1/10	Sn	101.17799	99.10130	103.25467	2.90268	ug/L	10/18/10	20:14	
61778-1S 1/10	Sr	130.25367	130.38958	130.11776	0.14756	ug/L	10/18/10	20:14	
61778-1S 1/10	Ti	106.67356	107.34388	106.00324	0.88867	ug/L	10/18/10	20:14	
61778-1S 1/10	Tl	209.27178	214.97065	203.57290	3.85117	ug/L	10/18/10	20:14	
61778-1S 1/10	V	52.49550	53.26124	51.72975	2.06289	ug/L	10/18/10	20:14	
61778-1S 1/10	Zn	55.38742	55.98761	54.78723	1.53247	ug/L	10/18/10	20:14	
61778-1S 1/10	2203/1	45.40473	41.84589	48.96357	11.08466	ug/L	10/18/10	20:14	
61778-1S 1/10	2203/2	54.36006	56.62245	52.09766	5.88577	ug/L	10/18/10	20:14	
61778-1S 1/10	1960/1	212.94705	207.29278	218.60133	3.75508	ug/L	10/18/10	20:14	
61778-1S 1/10	1960/2	207.74526	209.04901	206.44151	0.88751	ug/L	10/18/10	20:14	
61778-1S 1/10	Y	986.64746	992.99694	980.29797	0.91010		10/18/10	20:14	
61778-1SD 1/10	Ag	2.72988	1.09669	4.36308	84.60738	ug/L	10/18/10	20:19	
61778-1SD 1/10	Al	308.30920	314.66845	301.94992	2.91699	ug/L	10/18/10	20:19	
61778-1SD 1/10	2Al	0.30832	0.31468	0.30196	2.91700	mg/L	10/18/10	20:19	
61778-1SD 1/10	As	220.90191	222.08996	219.71386	0.76058	ug/L	10/18/10	20:19	
61778-1SD 1/10	B	309.48971	309.41082	309.56860	0.03604	ug/L	10/18/10	20:19	
61778-1SD 1/10	Ba	223.41738	223.09373	223.74102	0.20486	ug/L	10/18/10	20:19	
61778-1SD 1/10	Be	5.20995	5.11015	5.30974	2.70887	ug/L	10/18/10	20:19	
61778-1SD 1/10	Ca	11554.24414	11580.40527	11528.08398	0.32020	ug/L	10/18/10	20:19	
61778-1SD 1/10	Cd	4.64506	4.01197	5.27814	19.27460	ug/L	10/18/10	20:19	
61778-1SD 1/10	Co	58.45423	59.30293	57.60553	2.05330	ug/L	10/18/10	20:19	
61778-1SD 1/10	Cr	22.92234	23.44507	22.39960	3.22506	ug/L	10/18/10	20:19	
61778-1SD 1/10	Cu	28.70404	30.42214	26.98594	8.46487	ug/L	10/18/10	20:19	
61778-1SD 1/10	Fe	622.38049	583.60681	661.15417	8.81040	ug/L	10/18/10	20:19	
61778-1SD 1/10	2Fe	0.62232	0.58355	0.66109	8.81008	mg/L	10/18/10	20:19	
61778-1SD 1/10	K	559.51147	513.13171	605.89117	11.72287	ug/L	10/18/10	20:19	
61778-1SD 1/10	Mg	4870.64746	4888.44238	4852.85205	0.51669	ug/L	10/18/10	20:19	
61778-1SD 1/10	2Mg	4.86995	4.88775	4.85215	0.51685	mg/L	10/18/10	20:19	
61778-1SD 1/10	Mn	1727.65869	1730.70422	1724.61328	0.24929	ug/L	10/18/10	20:19	
61778-1SD 1/10	Mo	51.42282	50.10911	52.73652	3.61289	ug/L	10/18/10	20:19	
61778-1SD 1/10	Na	27021.19140	26711.13867	27331.24609	1.62273	ug/L	10/18/10	20:19	
61778-1SD 1/10	Ni	52.76222	50.88344	54.64101	5.03581	ug/L	10/18/10	20:19	
61778-1SD 1/10	Pb	52.35311	51.76346	52.94275	1.59280	ug/L	10/18/10	20:19	
61778-1SD 1/10	Se	208.38035	202.97554	213.78517	3.66808	ug/L	10/18/10	20:19	
61778-1SD 1/10	Sb	43.00209	34.82252	51.18165	26.90020	ug/L	10/18/10	20:19	
61778-1SD 1/10	Sn	98.79357	94.94231	102.64485	5.51302	ug/L	10/18/10	20:19	
61778-1SD 1/10	Sr	134.51408	134.90313	134.12503	0.40903	ug/L	10/18/10	20:19	
61778-1SD 1/10	Ti	108.75643	108.90618	108.60668	0.19472	ug/L	10/18/10	20:19	
61778-1SD 1/10	Tl	199.90989	197.56147	202.25831	1.66133	ug/L	10/18/10	20:19	
61778-1SD 1/10	V	50.30136	47.15720	53.44553	8.83975	ug/L	10/18/10	20:19	
61778-1SD 1/10	Zn	55.43080	55.78071	55.08088	0.89275	ug/L	10/18/10	20:19	
61778-1SD 1/10	2203/1	43.63032	31.98293	55.27770	37.75329	ug/L	10/18/10	20:19	
61778-1SD 1/10	2203/2	56.70796	61.63890	51.77703	12.29702	ug/L	10/18/10	20:19	
61778-1SD 1/10	1960/1	207.02468	196.21913	217.83024	7.38142	ug/L	10/18/10	20:19	
61778-1SD 1/10	1960/2	209.05715	206.34867	211.76565	1.83221	ug/L	10/18/10	20:19	
61778-1SD 1/10	Y	977.75549	980.39697	975.11395	0.38206		10/18/10	20:19	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61778-3 1/10	Ag	0.19500	0.37511	0.01490	130.61520	ug/L	10/18/10	20:24	
61778-3 1/10	Al	26.02349	23.61805	28.42893	13.07207	ug/L	10/18/10	20:24	
61778-3 1/10	2Al	0.02602	0.02361	0.02843	13.07208	mg/L	10/18/10	20:24	
61778-3 1/10	As	2.38181	1.48005	3.28357	53.54255	ug/L	10/18/10	20:24	
61778-3 1/10	B	-1.71620	-2.36767	-1.06472	53.68412	ug/L	10/18/10	20:24	
61778-3 1/10	Ba	22.69330	22.86382	22.52277	1.06269	ug/L	10/18/10	20:24	
61778-3 1/10	Be	-0.03203	-0.03740	-0.02666	23.69403	ug/L	10/18/10	20:24	
61778-3 1/10	Ca	5479.13964	5515.19189	5443.08740	0.93053	ug/L	10/18/10	20:24	
61778-3 1/10	Cd	0.42558	0.29673	0.55444	42.81781	ug/L	10/18/10	20:24	
61778-3 1/10	Co	-0.32958	-0.83038	0.17121	214.88624	ug/L	10/18/10	20:24	
61778-3 1/10	Cr	15.28268	15.68053	14.88484	3.68155	ug/L	10/18/10	20:24	
61778-3 1/10	Cu	0.40967	-0.05528	0.87463	160.50743	ug/L	10/18/10	20:24	
61778-3 1/10	Fe	113.07869	109.41374	116.74364	4.58354	ug/L	10/18/10	20:24	
61778-3 1/10	2Fe	0.11306	0.10939	0.11672	4.58376	mg/L	10/18/10	20:24	
61778-3 1/10	K	98.23872	102.11170	94.36573	5.57542	ug/L	10/18/10	20:24	
61778-3 1/10	Mg	1481.81933	1487.23181	1476.40698	0.51654	ug/L	10/18/10	20:24	
61778-3 1/10	2Mg	1.48141	1.48682	1.47600	0.51661	mg/L	10/18/10	20:24	
61778-3 1/10	Mn	69.88070	70.03440	69.72702	0.31103	ug/L	10/18/10	20:24	
61778-3 1/10	Mo	-0.09773	0.44089	-0.63636	779.40399	ug/L	10/18/10	20:24	
61778-3 1/10	Na	7314.65722	7298.04882	7331.26562	0.32110	ug/L	10/18/10	20:24	
61778-3 1/10	Ni	26.93960	27.49573	26.38348	2.91942	ug/L	10/18/10	20:24	
61778-3 1/10	Pb	-2.90914	-1.84512	-3.97316	51.72481	ug/L	10/18/10	20:24	
61778-3 1/10	Se	1.77699	1.86595	1.68802	7.08028	ug/L	10/18/10	20:24	
61778-3 1/10	Sb	-3.42728	-0.81801	-6.03655	107.66735	ug/L	10/18/10	20:24	
61778-3 1/10	Sn	-0.82552	0.59619	-2.24723	243.55554	ug/L	10/18/10	20:24	
61778-3 1/10	Sr	66.64665	67.05647	66.23683	0.86962	ug/L	10/18/10	20:24	
61778-3 1/10	Ti	1.11423	0.89602	1.33244	27.69584	ug/L	10/18/10	20:24	
61778-3 1/10	Tl	-3.68793	-1.64806	-5.72780	78.22295	ug/L	10/18/10	20:24	
61778-3 1/10	V	1.19453	1.07822	1.31085	13.77032	ug/L	10/18/10	20:24	
61778-3 1/10	Zn	0.81177	0.78114	0.84240	5.33582	ug/L	10/18/10	20:24	
61778-3 1/10	2203/1	2.80088	6.93189	-1.33012	208.58134	ug/L	10/18/10	20:24	
61778-3 1/10	2203/2	-5.75988	-6.22706	-5.29270	11.47048	ug/L	10/18/10	20:24	
61778-3 1/10	1960/1	6.92925	11.00150	2.85699	83.11208	ug/L	10/18/10	20:24	
61778-3 1/10	1960/2	-0.79527	-2.69497	1.10442	337.81704	ug/L	10/18/10	20:24	
61778-3 1/10	Y	983.91595	982.36798	985.46392	0.22249		10/18/10	20:24	
61853-1 1/10	Ag	0.01397	0.13258	-0.10462	1199.98583	ug/L	10/18/10	20:30	
61853-1 1/10	Al	35.32429	32.76538	37.88320	10.24462	ug/L	10/18/10	20:30	
61853-1 1/10	2Al	0.03532	0.03276	0.03788	10.24460	mg/L	10/18/10	20:30	
61853-1 1/10	As	-2.71170	-3.51338	-1.91002	41.80911	ug/L	10/18/10	20:30	
61853-1 1/10	B	198.75769	197.61701	199.89836	0.81161	ug/L	10/18/10	20:30	
61853-1 1/10	Ba	3.24766	3.20381	3.29151	1.90959	ug/L	10/18/10	20:30	
61853-1 1/10	Be	-0.06138	-0.06928	-0.05347	18.20982	ug/L	10/18/10	20:30	
61853-1 1/10	Ca	10900.53906	10933.08203	10867.99609	0.42220	ug/L	10/18/10	20:30	
61853-1 1/10	Cd	0.08758	-0.09194	0.26710	289.88388	ug/L	10/18/10	20:30	
61853-1 1/10	Co	3.97138	3.79946	4.14330	6.12197	ug/L	10/18/10	20:30	
61853-1 1/10	Cr	0.56487	0.21430	0.91544	87.76860	ug/L	10/18/10	20:30	
61853-1 1/10	Cu	0.45275	0.39030	0.51519	19.50554	ug/L	10/18/10	20:30	
61853-1 1/10	Fe	833.15148	837.18170	829.12133	0.68409	ug/L	10/18/10	20:30	
61853-1 1/10	2Fe	0.83304	0.83707	0.82901	0.68407	mg/L	10/18/10	20:30	
61853-1 1/10	K	75.69219	66.22345	85.16093	17.69114	ug/L	10/18/10	20:30	
61853-1 1/10	Mg	4189.86767	4197.89453	4181.84082	0.27093	ug/L	10/18/10	20:30	
61853-1 1/10	2Mg	4.18929	4.19731	4.18126	0.27094	mg/L	10/18/10	20:30	
61853-1 1/10	Mn	1646.01464	1651.31433	1640.71508	0.45532	ug/L	10/18/10	20:30	
61853-1 1/10	Mo	-0.18476	-1.34672	0.97719	889.38653	ug/L	10/18/10	20:30	
61853-1 1/10	Na	26603.06640	26429.42773	26776.70703	0.92306	ug/L	10/18/10	20:30	
61853-1 1/10	Ni	1.56541	1.28814	1.84268	25.04882	ug/L	10/18/10	20:30	
61853-1 1/10	Pb	-1.69387	-2.36646	-1.02128	56.15405	ug/L	10/18/10	20:30	
61853-1 1/10	Se	2.91032	2.48074	3.33990	20.87468	ug/L	10/18/10	20:30	
61853-1 1/10	Sb	-3.42156	-1.81406	-5.02906	66.44170	ug/L	10/18/10	20:30	
61853-1 1/10	Sn	-0.97864	1.44138	-3.39867	349.71148	ug/L	10/18/10	20:30	
61853-1 1/10	Sr	76.62683	76.72476	76.52890	0.18073	ug/L	10/18/10	20:30	
61853-1 1/10	Ti	3.56384	3.50535	3.62232	2.32071	ug/L	10/18/10	20:30	
61853-1 1/10	Tl	-3.03267	-0.64733	-5.41801	111.23468	ug/L	10/18/10	20:30	
61853-1 1/10	V	-0.18822	-0.84249	0.46605	491.59622	ug/L	10/18/10	20:30	
61853-1 1/10	Zn	1.34650	1.14435	1.54864	21.23122	ug/L	10/18/10	20:30	
61853-1 1/10	2203/1	-1.65792	-2.80075	-0.51510	97.48304	ug/L	10/18/10	20:30	
61853-1 1/10	2203/2	-1.71181	-2.14962	-1.27400	36.16969	ug/L	10/18/10	20:30	
61853-1 1/10	1960/1	1.33951	-1.89033	4.56935	340.99731	ug/L	10/18/10	20:30	
61853-1 1/10	1960/2	3.69455	4.66300	2.72610	37.07068	ug/L	10/18/10	20:30	
61853-1 1/10	Y	988.24499	990.33294	986.15698	0.29879		10/18/10	20:30	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61853-3 1/10	Ag	-0.13450	-0.10478	-0.16423	31.25707	ug/L	10/18/10	20:35	
61853-3 1/10	Al	7.73471	3.20346	12.26596	82.84925	ug/L	10/18/10	20:35	
61853-3 1/10	2Al	0.00773	0.00320	0.01226	82.84925	mg/L	10/18/10	20:35	
61853-3 1/10	As	-1.14669	-3.30899	1.01561	266.67666	ug/L	10/18/10	20:35	
61853-3 1/10	B	-0.55638	-1.24456	0.13178	174.91946	ug/L	10/18/10	20:35	
61853-3 1/10	Ba	25.30607	25.48512	25.12701	1.00061	ug/L	10/18/10	20:35	
61853-3 1/10	Be	-0.03076	-0.02558	-0.03594	23.81413	ug/L	10/18/10	20:35	
61853-3 1/10	Ca	5868.07568	5903.78564	5832.36572	0.86061	ug/L	10/18/10	20:35	
61853-3 1/10	Cd	-0.06994	0.02316	-0.16305	188.25541	ug/L	10/18/10	20:35	
61853-3 1/10	Co	0.23752	0.39886	0.07618	96.06346	ug/L	10/18/10	20:35	
61853-3 1/10	Cr	17.33842	17.45632	17.22051	0.96170	ug/L	10/18/10	20:35	
61853-3 1/10	Cu	0.69418	0.11799	1.27037	117.38220	ug/L	10/18/10	20:35	
61853-3 1/10	Fe	99.88838	107.48421	92.29255	10.75412	ug/L	10/18/10	20:35	
61853-3 1/10	2Fe	0.09987	0.10747	0.09228	10.75423	mg/L	10/18/10	20:35	
61853-3 1/10	K	82.93571	87.59739	78.27404	7.94905	ug/L	10/18/10	20:35	
61853-3 1/10	Mg	1565.38024	1574.19665	1556.56384	0.79650	ug/L	10/18/10	20:35	
61853-3 1/10	2Mg	1.56493	1.57374	1.55612	0.79638	mg/L	10/18/10	20:35	
61853-3 1/10	Mn	28.84795	28.92082	28.77509	0.35720	ug/L	10/18/10	20:35	
61853-3 1/10	Mo	-0.54587	-0.81394	-0.27781	69.44722	ug/L	10/18/10	20:35	
61853-3 1/10	Na	7632.92675	7707.34814	7558.50488	1.37886	ug/L	10/18/10	20:35	
61853-3 1/10	Ni	18.53371	19.69673	17.37070	8.87438	ug/L	10/18/10	20:35	
61853-3 1/10	Pb	-1.85350	0.51604	-4.22305	180.79570	ug/L	10/18/10	20:35	
61853-3 1/10	Se	-0.93625	-1.65649	-0.21602	108.79138	ug/L	10/18/10	20:35	
61853-3 1/10	Sb	-6.60237	-8.68237	-4.52237	44.55305	ug/L	10/18/10	20:35	
61853-3 1/10	Sn	-1.53879	0.58988	-3.66747	195.63410	ug/L	10/18/10	20:35	
61853-3 1/10	Sr	70.68742	71.12240	70.25244	0.87024	ug/L	10/18/10	20:35	
61853-3 1/10	Ti	0.44418	0.12120	0.76716	102.83237	ug/L	10/18/10	20:35	
61853-3 1/10	Tl	-3.78413	-2.64154	-4.92671	42.70095	ug/L	10/18/10	20:35	
61853-3 1/10	V	-0.52016	-0.33567	-0.70466	50.15894	ug/L	10/18/10	20:35	
61853-3 1/10	Zn	1.00983	1.30570	0.71396	41.43500	ug/L	10/18/10	20:35	
61853-3 1/10	2203/1	1.82856	4.36297	-0.70583	196.01086	ug/L	10/18/10	20:35	
61853-3 1/10	2203/2	-3.69177	-1.40452	-5.97902	87.61789	ug/L	10/18/10	20:35	
61853-3 1/10	1960/1	0.79119	1.70045	-0.11807	162.52743	ug/L	10/18/10	20:35	
61853-3 1/10	1960/2	-1.79868	-3.33245	-0.26491	120.59211	ug/L	10/18/10	20:35	
61853-3 1/10	Y	986.21545	987.41693	985.01397	0.17228		10/18/10	20:35	
CCV	Ag	503.85504	505.17544	502.53463	0.37060	ug/L	10/18/10	20:40	
CCV	Al	5016.59716	5025.24414	5007.95019	0.24376	ug/L	10/18/10	20:40	
CCV	2Al	5.01657	5.02532	5.00782	0.24665	mg/L	10/18/10	20:40	
CCV	As	499.77249	500.91870	498.62628	0.32434	ug/L	10/18/10	20:40	
CCV	B	4990.15332	4989.57812	4990.72900	0.01630	ug/L	10/18/10	20:40	
CCV	Ba	5090.87011	5100.10839	5081.63183	0.25663	ug/L	10/18/10	20:40	
CCV	Be	496.96911	497.35736	496.58084	0.11048	ug/L	10/18/10	20:40	
CCV	Ca	4881.64746	4878.98876	4884.30615	0.07702	ug/L	10/18/10	20:40	
CCV	Cd	485.44476	483.95019	486.93936	0.43540	ug/L	10/18/10	20:40	
CCV	Co	498.78765	499.40005	498.17523	0.17363	ug/L	10/18/10	20:40	
CCV	Cr	4958.16210	4961.92919	4954.39550	0.10744	ug/L	10/18/10	20:40	
CCV	Cu	5075.70800	5081.38671	5070.02978	0.15821	ug/L	10/18/10	20:40	
CCV	Fe	4941.37011	4915.65771	4967.08203	0.73587	ug/L	10/18/10	20:40	
CCV	2Fe	4.94138	4.91567	4.96708	0.73577	mg/L	10/18/10	20:40	
CCV	K	9789.56933	9757.20996	9821.92871	0.46746	ug/L	10/18/10	20:40	
CCV	Mg	4947.03369	4945.93212	4948.13525	0.03149	ug/L	10/18/10	20:40	
CCV	2Mg	4.94706	4.94597	4.94815	0.03127	mg/L	10/18/10	20:40	
CCV	Mn	5014.54101	5019.80468	5009.27783	0.14844	ug/L	10/18/10	20:40	
CCV	Mo	492.68862	491.42245	493.95480	0.36344	ug/L	10/18/10	20:40	
CCV	Na	7567.14648	7392.99462	7741.29882	3.25470	ug/L	10/18/10	20:40	
CCV	Ni	2485.45751	2483.91967	2486.99560	0.08750	ug/L	10/18/10	20:40	
CCV	Pb	493.01013	491.58950	494.43075	0.40750	ug/L	10/18/10	20:40	
CCV	Se	4911.35693	4918.70214	4904.01171	0.21150	ug/L	10/18/10	20:40	
CCV	Sb	495.71597	487.69287	503.73907	2.28888	ug/L	10/18/10	20:40	
CCV	Sn	4911.79980	4902.83251	4920.76708	0.25818	ug/L	10/18/10	20:40	
CCV	Sr	2537.74804	2541.52929	2533.96679	0.21071	ug/L	10/18/10	20:40	
CCV	Ti	499.76248	500.16152	499.36343	0.11292	ug/L	10/18/10	20:40	
CCV	Tl	4925.31445	4923.31591	4927.31250	0.05737	ug/L	10/18/10	20:40	
CCV	V	5029.43652	5032.12548	5026.74804	0.07560	ug/L	10/18/10	20:40	
CCV	Zn	2451.38085	2448.69580	2454.06591	0.15490	ug/L	10/18/10	20:40	
CCV	2203/1	506.09771	502.42971	509.76568	1.02496	ug/L	10/18/10	20:40	
CCV	2203/2	486.47616	486.17755	486.77478	0.08680	ug/L	10/18/10	20:40	
CCV	1960/1	5032.18554	5030.88330	5033.48828	0.03660	ug/L	10/18/10	20:40	
CCV	1960/2	4851.03320	4862.69580	4839.37060	0.33999	ug/L	10/18/10	20:40	
CCV	Y	975.03295	973.41296	976.65295	0.23496		10/18/10	20:40	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.88517	1.57563	0.19471	110.31256	ug/L	10/18/10	20:45	
CCB	Al	-10.98961	-13.14566	-8.83356	27.74542	ug/L	10/18/10	20:45	
CCB	2Al	-0.01099	-0.01314	-0.00883	27.74521	mg/L	10/18/10	20:45	
CCB	As	1.90095	2.55765	1.24424	48.85564	ug/L	10/18/10	20:45	
CCB	B	8.88158	8.67126	9.09190	3.34899	ug/L	10/18/10	20:45	
CCB	Ba	1.72248	0.23650	3.20846	122.00346	ug/L	10/18/10	20:45	
CCB	Be	0.14486	0.00755	0.28217	134.04931	ug/L	10/18/10	20:45	
CCB	Ca	3.33630	1.56876	5.10383	74.92337	ug/L	10/18/10	20:45	
CCB	Cd	-0.06523	-0.27354	0.14307	451.58834	ug/L	10/18/10	20:45	
CCB	Co	-0.39033	0.27390	-1.05456	240.65943	ug/L	10/18/10	20:45	
CCB	Cr	1.66583	0.03415	3.29750	138.52157	ug/L	10/18/10	20:45	
CCB	Cu	1.49000	-0.26185	3.24187	166.27502	ug/L	10/18/10	20:45	
CCB	Fe	7.36710	-9.48629	24.22051	323.52340	ug/L	10/18/10	20:45	
CCB	2Fe	0.00736	-0.00948	0.02421	323.51751	mg/L	10/18/10	20:45	
CCB	K	11.96490	7.86390	16.06590	48.47249	ug/L	10/18/10	20:45	
CCB	Mg	-5.76226	-5.77609	-5.74843	0.33938	ug/L	10/18/10	20:45	
CCB	2Mg	-0.00576	-0.00577	-0.00574	0.28280	mg/L	10/18/10	20:45	
CCB	Mn	1.57878	0.13870	3.01886	128.99697	ug/L	10/18/10	20:45	
CCB	Mo	0.17113	0.26120	0.08105	74.43740	ug/L	10/18/10	20:45	
CCB	Na	53.10709	25.16090	81.05329	74.41921	ug/L	10/18/10	20:45	
CCB	Ni	0.46389	-0.66417	1.59195	343.89849	ug/L	10/18/10	20:45	
CCB	Pb	-2.71432	-3.78784	-1.64080	55.93222	ug/L	10/18/10	20:45	
CCB	Se	6.02442	8.05392	3.99491	47.64196	ug/L	10/18/10	20:45	
CCB	Sb	-0.10361	-2.79488	2.58764	3673.14892	ug/L	10/18/10	20:45	
CCB	Sn	0.19906	-1.25755	1.65568	1034.82031	ug/L	10/18/10	20:45	
CCB	Sr	0.74810	0.01211	1.48408	139.13145	ug/L	10/18/10	20:45	
CCB	Ti	-0.04272	-0.08180	-0.00365	129.32194	ug/L	10/18/10	20:45	
CCB	Tl	-2.28373	-4.00017	-0.56729	106.29128	ug/L	10/18/10	20:45	
CCB	V	2.24579	0.99393	3.49765	78.83168	ug/L	10/18/10	20:45	
CCB	Zn	1.02514	0.22878	1.82151	109.86022	ug/L	10/18/10	20:45	
CCB	2203/1	1.65809	-0.63220	3.94838	195.34277	ug/L	10/18/10	20:45	
CCB	2203/2	-4.89725	-5.36330	-4.43121	13.45820	ug/L	10/18/10	20:45	
CCB	1960/1	12.30808	16.42238	8.19377	47.27383	ug/L	10/18/10	20:45	
CCB	1960/2	2.88730	3.87596	1.89863	48.42538	ug/L	10/18/10	20:45	
CCB	Y	982.52545	981.10797	983.94293	0.20402		10/18/10	20:45	
61938-1 1/20	Ag	1.03960	1.31876	0.76044	37.97497	ug/L	10/18/10	20:50	
61938-1 1/20	Al	-1.86918	0.19818	-3.93654	156.41612	ug/L	10/18/10	20:50	
61938-1 1/20	2Al	-0.00186	0.00019	-0.00393	156.41612	mg/L	10/18/10	20:50	
61938-1 1/20	As	3.14704	6.02287	0.27121	129.23370	ug/L	10/18/10	20:50	
61938-1 1/20	B	28.39827	28.59443	28.20211	0.97685	ug/L	10/18/10	20:50	
61938-1 1/20	Ba	5.25577	5.08548	5.42606	4.58216	ug/L	10/18/10	20:50	
61938-1 1/20	Be	0.00794	-0.00686	0.02275	263.72723	ug/L	10/18/10	20:50	
61938-1 1/20	Ca	36945.46093	37000.68359	36890.23437	0.21139	ug/L	10/18/10	20:50	
61938-1 1/20	Cd	-0.15203	-0.00371	-0.30034	137.96359	ug/L	10/18/10	20:50	
61938-1 1/20	Co	0.25899	0.40943	0.10854	82.15009	ug/L	10/18/10	20:50	
61938-1 1/20	Cr	0.57637	0.62603	0.52671	12.18502	ug/L	10/18/10	20:50	
61938-1 1/20	Cu	2.20646	2.26742	2.14550	3.90714	ug/L	10/18/10	20:50	
61938-1 1/20	Fe	270.99859	265.40798	276.58917	2.91746	ug/L	10/18/10	20:50	
61938-1 1/20	2Fe	0.27096	0.26537	0.27655	2.91742	mg/L	10/18/10	20:50	
61938-1 1/20	K	8372.93945	8373.47070	8372.40820	0.00897	ug/L	10/18/10	20:50	
61938-1 1/20	Mg	36155.66406	36207.74218	36103.58203	0.20370	ug/L	10/18/10	20:50	
61938-1 1/20	2Mg	36.14382	36.19430	36.09334	0.19752	mg/L	10/18/10	20:50	
61938-1 1/20	Mn	2.36983	2.17985	2.55981	11.33704	ug/L	10/18/10	20:50	
61938-1 1/20	Mo	-1.26034	-1.12354	-1.39714	15.34965	ug/L	10/18/10	20:50	
61938-1 1/20	Na	366231.37500	367104.53125	365358.25000	0.33716	ug/L	10/18/10	20:50	
61938-1 1/20	Ni	0.65669	0.91949	0.39389	56.59428	ug/L	10/18/10	20:50	
61938-1 1/20	Pb	-1.21738	-1.32683	-1.10794	12.71381	ug/L	10/18/10	20:50	
61938-1 1/20	Se	5.01089	2.93423	7.08754	58.60902	ug/L	10/18/10	20:50	
61938-1 1/20	Sb	-3.27656	-5.48916	-1.06396	95.49912	ug/L	10/18/10	20:50	
61938-1 1/20	Sn	2.67349	1.91208	3.43490	40.27664	ug/L	10/18/10	20:50	
61938-1 1/20	Sr	3059.85986	3066.07299	3053.64697	0.28715	ug/L	10/18/10	20:50	
61938-1 1/20	Ti	0.07632	0.18300	-0.03036	197.69245	ug/L	10/18/10	20:50	
61938-1 1/20	Tl	-1.99073	0.62834	-4.60980	186.05868	ug/L	10/18/10	20:50	
61938-1 1/20	V	-0.31218	-0.06147	-0.56289	113.57202	ug/L	10/18/10	20:50	
61938-1 1/20	Zn	1.23715	1.20558	1.26872	3.60894	ug/L	10/18/10	20:50	
61938-1 1/20	2203/1	3.36896	2.46752	4.27040	37.84037	ug/L	10/18/10	20:50	
61938-1 1/20	2203/2	-3.50712	-3.22116	-3.79308	11.53111	ug/L	10/18/10	20:50	
61938-1 1/20	1960/1	6.38205	6.34732	6.41678	0.76957	ug/L	10/18/10	20:50	
61938-1 1/20	1960/2	4.32633	1.23025	7.42242	101.20635	ug/L	10/18/10	20:50	
61938-1 1/20	Y	955.13842	953.72094	956.55596	0.20988		10/18/10	20:50	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61938-2 1/20	Ag	0.59137	0.40420	0.77853	44.75850	ug/L	10/18/10	20:56	
61938-2 1/20	Al	-6.15292	-9.94170	-2.36413	87.08305	ug/L	10/18/10	20:56	
61938-2 1/20	2Al	-0.00615	-0.00994	-0.00236	87.08283	mg/L	10/18/10	20:56	
61938-2 1/20	As	-0.75835	-0.05350	-1.46320	131.44305	ug/L	10/18/10	20:56	
61938-2 1/20	B	195.73086	195.83949	195.62223	0.07848	ug/L	10/18/10	20:56	
61938-2 1/20	Ba	3.39570	3.12432	3.66707	11.30201	ug/L	10/18/10	20:56	
61938-2 1/20	Be	-0.01075	-0.02574	0.00423	197.09689	ug/L	10/18/10	20:56	
61938-2 1/20	Ca	28936.08203	28928.03906	28944.12304	0.03930	ug/L	10/18/10	20:56	
61938-2 1/20	Cd	-0.06653	-0.26260	0.12952	416.73245	ug/L	10/18/10	20:56	
61938-2 1/20	Co	-0.24454	-0.73706	0.24798	284.83267	ug/L	10/18/10	20:56	
61938-2 1/20	Cr	-0.57790	-0.38246	-0.77334	47.82711	ug/L	10/18/10	20:56	
61938-2 1/20	Cu	-0.29125	-0.82869	0.24618	260.95715	ug/L	10/18/10	20:56	
61938-2 1/20	Fe	24.99008	16.92803	33.05214	45.62394	ug/L	10/18/10	20:56	
61938-2 1/20	2Fe	0.02498	0.01692	0.03304	45.62506	mg/L	10/18/10	20:56	
61938-2 1/20	K	21894.07031	21933.32031	21854.82031	0.25352	ug/L	10/18/10	20:56	
61938-2 1/20	Mg	55245.62500	55189.62500	55301.62109	0.14334	ug/L	10/18/10	20:56	
61938-2 1/20	2Mg	55.22679	55.17080	55.28277	0.14336	mg/L	10/18/10	20:56	
61938-2 1/20	Mn	-0.02786	-0.17112	0.11539	727.13226	ug/L	10/18/10	20:56	
61938-2 1/20	Mo	-0.15439	-0.10760	-0.20119	42.86556	ug/L	10/18/10	20:56	
61938-2 1/20	Na	580723.50000	581920.12500	579526.87500	0.29140	ug/L	10/18/10	20:56	
61938-2 1/20	Ni	0.94075	0.62598	1.25552	47.31883	ug/L	10/18/10	20:56	
61938-2 1/20	Pb	-0.93355	-0.40039	-1.46670	80.76626	ug/L	10/18/10	20:56	
61938-2 1/20	Se	5.18556	5.87866	4.49246	18.90231	ug/L	10/18/10	20:56	
61938-2 1/20	Sb	-3.03911	-3.43802	-2.64021	18.56251	ug/L	10/18/10	20:56	
61938-2 1/20	Sn	1.28358	1.64133	0.92583	39.41571	ug/L	10/18/10	20:56	
61938-2 1/20	Sr	927.41381	927.63922	927.18835	0.03437	ug/L	10/18/10	20:56	
61938-2 1/20	Ti	-0.34636	-0.42874	-0.26399	33.63173	ug/L	10/18/10	20:56	
61938-2 1/20	Tl	-2.48699	-7.59133	2.61734	290.25463	ug/L	10/18/10	20:56	
61938-2 1/20	V	0.78750	0.39131	1.18368	71.14789	ug/L	10/18/10	20:56	
61938-2 1/20	Zn	0.77958	0.81617	0.74299	6.63812	ug/L	10/18/10	20:56	
61938-2 1/20	2203/1	6.65980	8.20896	5.11063	32.89658	ug/L	10/18/10	20:56	
61938-2 1/20	2203/2	-4.72453	-4.69862	-4.75045	0.77569	ug/L	10/18/10	20:56	
61938-2 1/20	1960/1	11.46533	10.58220	12.34846	10.89311	ug/L	10/18/10	20:56	
61938-2 1/20	1960/2	2.05038	3.53041	0.57035	102.08242	ug/L	10/18/10	20:56	
61938-2 1/20	Y	938.08349	936.87298	939.29394	0.18248		10/18/10	20:56	
61938-3 1/20	Ag	0.46253	0.25324	0.67183	63.99300	ug/L	10/18/10	21:01	
61938-3 1/20	Al	568.90490	564.43316	573.37664	1.11160	ug/L	10/18/10	21:01	
61938-3 1/20	2Al	0.56884	0.56426	0.57341	1.13703	mg/L	10/18/10	21:01	
61938-3 1/20	As	12.79462	10.92410	14.66514	20.67522	ug/L	10/18/10	21:01	
61938-3 1/20	B	812.01708	813.60198	810.43225	0.27602	ug/L	10/18/10	21:01	
61938-3 1/20	Ba	4.91714	4.86201	4.97227	1.58560	ug/L	10/18/10	21:01	
61938-3 1/20	Be	0.01447	0.02841	0.00053	136.24066	ug/L	10/18/10	21:01	
61938-3 1/20	Ca	14885.36718	14906.58984	14864.14453	0.20163	ug/L	10/18/10	21:01	
61938-3 1/20	Cd	0.01875	0.29877	-0.26126	2111.11889	ug/L	10/18/10	21:01	
61938-3 1/20	Co	1.16237	1.06624	1.25851	11.69658	ug/L	10/18/10	21:01	
61938-3 1/20	Cr	7.33826	7.28732	7.38921	0.98175	ug/L	10/18/10	21:01	
61938-3 1/20	Cu	1.10903	0.64711	1.57096	58.90355	ug/L	10/18/10	21:01	
61938-3 1/20	Fe	77.43833	80.62563	74.25102	5.82079	ug/L	10/18/10	21:01	
61938-3 1/20	2Fe	0.07742	0.08061	0.07424	5.82071	mg/L	10/18/10	21:01	
61938-3 1/20	K	54324.68359	54427.32421	54222.04296	0.26720	ug/L	10/18/10	21:01	
61938-3 1/20	Mg	6588.95556	6588.26025	6589.65087	0.01492	ug/L	10/18/10	21:01	
61938-3 1/20	2Mg	6.58709	6.58639	6.58778	0.01493	mg/L	10/18/10	21:01	
61938-3 1/20	Mn	26.54753	26.59005	26.50501	0.22651	ug/L	10/18/10	21:01	
61938-3 1/20	Mo	-0.59141	-0.09809	-1.08473	117.96517	ug/L	10/18/10	21:01	
61938-3 1/20	Na	105870.91406	105760.02343	105981.80468	0.14812	ug/L	10/18/10	21:01	
61938-3 1/20	Ni	5.51132	5.21996	5.80269	7.47643	ug/L	10/18/10	21:01	
61938-3 1/20	Pb	-1.19592	-0.47410	-1.91773	85.35655	ug/L	10/18/10	21:01	
61938-3 1/20	Se	1.11815	-4.10607	6.34239	660.74493	ug/L	10/18/10	21:01	
61938-3 1/20	Sb	2.46598	1.77604	3.15591	39.56705	ug/L	10/18/10	21:01	
61938-3 1/20	Sn	1.37848	2.77015	-0.01318	142.77391	ug/L	10/18/10	21:01	
61938-3 1/20	Sr	110.46151	109.94423	110.97880	0.66226	ug/L	10/18/10	21:01	
61938-3 1/20	Ti	6.53552	6.38999	6.68106	3.14929	ug/L	10/18/10	21:01	
61938-3 1/20	Tl	-5.84725	-4.39133	-7.30317	35.21284	ug/L	10/18/10	21:01	
61938-3 1/20	V	4.92042	5.16045	4.68038	6.89894	ug/L	10/18/10	21:01	
61938-3 1/20	Zn	2.38448	2.28364	2.48532	5.98061	ug/L	10/18/10	21:01	
61938-3 1/20	2203/1	3.69431	1.94447	5.44415	66.98541	ug/L	10/18/10	21:01	
61938-3 1/20	2203/2	-3.63737	-1.68158	-5.59316	76.04118	ug/L	10/18/10	21:01	
61938-3 1/20	1960/1	10.55838	1.80367	19.31309	117.26258	ug/L	10/18/10	21:01	
61938-3 1/20	1960/2	-3.59487	-7.05651	-0.13324	136.17971	ug/L	10/18/10	21:01	
61938-3 1/20	Y	986.03546	986.59796	985.47296	0.08067		10/18/10	21:01	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61960-1 1/10	Ag	1.58290	-0.16464	3.33046	156.13160	ug/L	10/18/10	21:06	
61960-1 1/10	Al	106.52653	114.92212	98.13095	11.14572	ug/L	10/18/10	21:06	
61960-1 1/10	2Al	0.10653	0.11492	0.09813	11.14574	mg/L	10/18/10	21:06	
61960-1 1/10	As	-6.01713	-3.10524	-8.92903	68.43852	ug/L	10/18/10	21:06	
61960-1 1/10	B	9.57878	13.35093	5.80664	55.69199	ug/L	10/18/10	21:06	
61960-1 1/10	Ba	5.08622	4.89687	5.27558	5.26496	ug/L	10/18/10	21:06	
61960-1 1/10	Be	0.05392	0.02195	0.08588	83.84514	ug/L	10/18/10	21:06	
61960-1 1/10	Ca	561.10864	558.26519	563.95202	0.71665	ug/L	10/18/10	21:06	
61960-1 1/10	Cd	-0.02891	-0.06318	0.00534	167.56657	ug/L	10/18/10	21:06	
61960-1 1/10	Co	-0.99695	0.49229	-2.48619	211.25469	ug/L	10/18/10	21:06	
61960-1 1/10	Cr	-1.54216	-0.11044	-2.97387	131.29302	ug/L	10/18/10	21:06	
61960-1 1/10	Cu	1.23889	2.93069	-0.45289	193.12013	ug/L	10/18/10	21:06	
61960-1 1/10	Fe	152.45620	127.51597	177.39643	23.13504	ug/L	10/18/10	21:06	
61960-1 1/10	2Fe	0.15243	0.12749	0.17737	23.13480	mg/L	10/18/10	21:06	
61960-1 1/10	K	646.00476	628.86535	663.14416	3.75210	ug/L	10/18/10	21:06	
61960-1 1/10	Mg	134.39128	143.64134	125.14122	9.73393	ug/L	10/18/10	21:06	
61960-1 1/10	2Mg	0.13432	0.14358	0.12507	9.74043	mg/L	10/18/10	21:06	
61960-1 1/10	Mn	6.05326	6.33805	5.76847	6.65347	ug/L	10/18/10	21:06	
61960-1 1/10	Mo	-0.67594	-0.98816	-0.36371	65.32437	ug/L	10/18/10	21:06	
61960-1 1/10	Na	8822.90820	8763.86816	8881.94921	0.94635	ug/L	10/18/10	21:06	
61960-1 1/10	Ni	0.89441	0.11545	1.67337	123.16632	ug/L	10/18/10	21:06	
61960-1 1/10	Pb	-2.91647	-3.63395	-2.19899	34.79097	ug/L	10/18/10	21:06	
61960-1 1/10	Se	9.52632	-0.60592	19.65856	150.41645	ug/L	10/18/10	21:06	
61960-1 1/10	Sb	-1.69297	-8.96113	5.57518	607.13946	ug/L	10/18/10	21:06	
61960-1 1/10	Sn	5.48448	-0.44783	11.41681	152.96907	ug/L	10/18/10	21:06	
61960-1 1/10	Sr	2.14488	2.25661	2.03315	7.36698	ug/L	10/18/10	21:06	
61960-1 1/10	Ti	-0.01079	0.66916	-0.69075	8909.15625	ug/L	10/18/10	21:06	
61960-1 1/10	Tl	2.15752	-4.09711	8.41216	409.97915	ug/L	10/18/10	21:06	
61960-1 1/10	V	1.39696	-0.22019	3.01412	163.71220	ug/L	10/18/10	21:06	
61960-1 1/10	Zn	8.69061	9.48824	7.89298	12.97980	ug/L	10/18/10	21:06	
61960-1 1/10	2203/1	13.79678	0.96362	26.62993	131.54391	ug/L	10/18/10	21:06	
61960-1 1/10	2203/2	-11.26057	-5.92929	-16.59185	66.95541	ug/L	10/18/10	21:06	
61960-1 1/10	1960/1	18.87173	-3.89312	41.63659	170.59570	ug/L	10/18/10	21:06	
61960-1 1/10	1960/2	4.86062	1.03521	8.68602	111.30145	ug/L	10/18/10	21:06	
61960-1 1/10	Y	992.65045	991.82696	993.47393	0.11732		10/18/10	21:06	
61960-1S 1/10	Ag	5.57674	6.01585	5.13763	11.13542	ug/L	10/18/10	21:11	
61960-1S 1/10	Al	333.08340	337.49685	328.66995	1.87387	ug/L	10/18/10	21:11	
61960-1S 1/10	2Al	0.33310	0.33751	0.32869	1.87386	mg/L	10/18/10	21:11	
61960-1S 1/10	As	210.69641	209.99468	211.39814	0.47100	ug/L	10/18/10	21:11	
61960-1S 1/10	B	110.90922	111.81433	110.00411	1.15410	ug/L	10/18/10	21:11	
61960-1S 1/10	Ba	216.30213	217.29208	215.31219	0.64723	ug/L	10/18/10	21:11	
61960-1S 1/10	Be	5.14395	5.19120	5.09670	1.29908	ug/L	10/18/10	21:11	
61960-1S 1/10	Ca	1101.00415	1107.44958	1094.55859	0.82790	ug/L	10/18/10	21:11	
61960-1S 1/10	Cd	5.26089	5.59812	4.92367	9.06518	ug/L	10/18/10	21:11	
61960-1S 1/10	Co	52.48654	53.16299	51.81010	1.82263	ug/L	10/18/10	21:11	
61960-1S 1/10	Cr	20.21458	20.32005	20.10911	0.73788	ug/L	10/18/10	21:11	
61960-1S 1/10	Cu	28.03337	28.93885	27.12789	4.56792	ug/L	10/18/10	21:11	
61960-1S 1/10	Fe	257.66796	269.55828	245.77766	6.52601	ug/L	10/18/10	21:11	
61960-1S 1/10	2Fe	0.25765	0.26954	0.24576	6.52554	mg/L	10/18/10	21:11	
61960-1S 1/10	K	1138.72094	1152.83276	1124.60900	1.75259	ug/L	10/18/10	21:11	
61960-1S 1/10	Mg	669.27880	678.05761	660.50000	1.85499	ug/L	10/18/10	21:11	
61960-1S 1/10	2Mg	0.66907	0.67784	0.66029	1.85463	mg/L	10/18/10	21:11	
61960-1S 1/10	Mn	59.35107	59.68788	59.01426	0.80254	ug/L	10/18/10	21:11	
61960-1S 1/10	Mo	50.17752	50.02254	50.33250	0.43679	ug/L	10/18/10	21:11	
61960-1S 1/10	Na	9620.87109	9754.99707	9486.74511	1.97157	ug/L	10/18/10	21:11	
61960-1S 1/10	Ni	52.93911	52.89425	52.98398	0.11985	ug/L	10/18/10	21:11	
61960-1S 1/10	Pb	49.97404	52.07585	47.87224	5.94788	ug/L	10/18/10	21:11	
61960-1S 1/10	Se	206.95422	209.95434	203.95410	2.05012	ug/L	10/18/10	21:11	
61960-1S 1/10	Sb	46.44430	45.29098	47.59762	3.51181	ug/L	10/18/10	21:11	
61960-1S 1/10	Sn	103.69322	105.38316	102.00328	2.30481	ug/L	10/18/10	21:11	
61960-1S 1/10	Sr	54.41504	54.70639	54.12370	0.75717	ug/L	10/18/10	21:11	
61960-1S 1/10	Ti	101.70034	102.22863	101.17205	0.73461	ug/L	10/18/10	21:11	
61960-1S 1/10	Tl	202.30119	206.05490	198.54748	2.62407	ug/L	10/18/10	21:11	
61960-1S 1/10	V	51.11877	50.67762	51.55992	1.22044	ug/L	10/18/10	21:11	
61960-1S 1/10	Zn	64.03825	64.27058	63.80591	0.51308	ug/L	10/18/10	21:11	
61960-1S 1/10	2203/1	49.53991	50.24263	48.83718	2.00606	ug/L	10/18/10	21:11	
61960-1S 1/10	2203/2	50.19078	52.99108	47.39049	7.89031	ug/L	10/18/10	21:11	
61960-1S 1/10	1960/1	224.25205	228.53134	219.97277	2.69866	ug/L	10/18/10	21:11	
61960-1S 1/10	1960/2	198.31820	200.67970	195.95671	1.68399	ug/L	10/18/10	21:11	
61960-1S 1/10	Y	999.34643	999.79193	998.90093	0.06304		10/18/10	21:11	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61960-1SD 1/10	Ag	4.82335	4.32096	5.32574	14.73018	ug/L	10/18/10	21:16	
61960-1SD 1/10	Al	342.61840	342.75738	342.47946	0.05735	ug/L	10/18/10	21:16	
61960-1SD 1/10	2Al	0.34264	0.34277	0.34250	0.05736	mg/L	10/18/10	21:16	
61960-1SD 1/10	As	206.08517	208.06565	204.10469	1.35906	ug/L	10/18/10	21:16	
61960-1SD 1/10	B	108.20030	108.12940	108.27118	0.09265	ug/L	10/18/10	21:16	
61960-1SD 1/10	Ba	216.18588	217.74472	214.62705	1.01973	ug/L	10/18/10	21:16	
61960-1SD 1/10	Be	5.17276	5.22163	5.12389	1.33608	ug/L	10/18/10	21:16	
61960-1SD 1/10	Ca	1063.10522	1069.94433	1056.26623	0.90977	ug/L	10/18/10	21:16	
61960-1SD 1/10	Cd	5.38650	5.40045	5.37255	0.36621	ug/L	10/18/10	21:16	
61960-1SD 1/10	Co	53.29472	53.27141	53.31803	0.06185	ug/L	10/18/10	21:16	
61960-1SD 1/10	Cr	20.37878	20.33027	20.42728	0.33662	ug/L	10/18/10	21:16	
61960-1SD 1/10	Cu	28.25006	28.00923	28.49089	1.20560	ug/L	10/18/10	21:16	
61960-1SD 1/10	Fe	266.48983	260.10134	272.87832	3.39025	ug/L	10/18/10	21:16	
61960-1SD 1/10	2Fe	0.26647	0.26009	0.27286	3.38995	mg/L	10/18/10	21:16	
61960-1SD 1/10	K	1111.92651	1120.28076	1103.57214	1.06255	ug/L	10/18/10	21:16	
61960-1SD 1/10	Mg	649.65917	652.61352	646.70489	0.64311	ug/L	10/18/10	21:16	
61960-1SD 1/10	2Mg	0.64945	0.65241	0.64650	0.64340	mg/L	10/18/10	21:16	
61960-1SD 1/10	Mn	59.18553	59.59265	58.77842	0.97278	ug/L	10/18/10	21:16	
61960-1SD 1/10	Mo	47.50418	47.58704	47.42132	0.24668	ug/L	10/18/10	21:16	
61960-1SD 1/10	Na	9233.30371	9293.38671	9173.22070	0.92025	ug/L	10/18/10	21:16	
61960-1SD 1/10	Ni	52.97802	53.26884	52.68720	0.77633	ug/L	10/18/10	21:16	
61960-1SD 1/10	Pb	50.74702	51.79160	49.70244	2.91101	ug/L	10/18/10	21:16	
61960-1SD 1/10	Se	207.02951	210.49923	203.55978	2.37016	ug/L	10/18/10	21:16	
61960-1SD 1/10	Sb	47.07391	49.36391	44.78392	6.87969	ug/L	10/18/10	21:16	
61960-1SD 1/10	Sn	106.32777	105.98065	106.67488	0.46168	ug/L	10/18/10	21:16	
61960-1SD 1/10	Sr	53.28681	53.65139	52.92223	0.96758	ug/L	10/18/10	21:16	
61960-1SD 1/10	Ti	100.53616	101.04776	100.02455	0.71966	ug/L	10/18/10	21:16	
61960-1SD 1/10	Tl	207.91464	204.14880	211.68049	2.56148	ug/L	10/18/10	21:16	
61960-1SD 1/10	V	51.02912	51.29175	50.76650	0.72783	ug/L	10/18/10	21:16	
61960-1SD 1/10	Zn	63.21083	63.33377	63.08789	0.27506	ug/L	10/18/10	21:16	
61960-1SD 1/10	2203/1	54.86156	57.49786	52.22526	6.79580	ug/L	10/18/10	21:16	
61960-1SD 1/10	2203/2	48.69284	48.94274	48.44293	0.72582	ug/L	10/18/10	21:16	
61960-1SD 1/10	1960/1	220.87826	220.01963	221.73687	0.54974	ug/L	10/18/10	21:16	
61960-1SD 1/10	1960/2	200.11544	205.74612	194.48478	3.97918	ug/L	10/18/10	21:16	
61960-1SD 1/10	Y	996.97949	997.10095	996.85797	0.01723		10/18/10	21:16	
CCV	Ag	503.23059	503.88601	502.57516	0.18419	ug/L	10/18/10	21:22	
CCV	Al	5030.80371	5025.02343	5036.58398	0.16248	ug/L	10/18/10	21:22	
CCV	2Al	5.03099	5.02531	5.03667	0.15965	mg/L	10/18/10	21:22	
CCV	As	509.70751	500.61187	518.80316	2.52363	ug/L	10/18/10	21:22	
CCV	B	5046.99707	5040.57617	5053.41748	0.17991	ug/L	10/18/10	21:22	
CCV	Ba	5061.84570	5067.16601	5056.52490	0.14864	ug/L	10/18/10	21:22	
CCV	Be	506.14776	506.50540	505.79016	0.09992	ug/L	10/18/10	21:22	
CCV	Ca	4982.69238	4985.14843	4980.23632	0.06970	ug/L	10/18/10	21:22	
CCV	Cd	496.82952	497.82513	495.83389	0.28340	ug/L	10/18/10	21:22	
CCV	Co	509.62188	509.15911	510.08465	0.12841	ug/L	10/18/10	21:22	
CCV	Cr	5046.45068	5043.78613	5049.11523	0.07467	ug/L	10/18/10	21:22	
CCV	Cu	5058.94726	5059.98242	5057.91210	0.02893	ug/L	10/18/10	21:22	
CCV	Fe	5031.04492	5042.32763	5019.76269	0.31714	ug/L	10/18/10	21:22	
CCV	2Fe	5.03105	5.04233	5.01977	0.31711	mg/L	10/18/10	21:22	
CCV	K	9682.52734	9708.77832	9656.27734	0.38341	ug/L	10/18/10	21:22	
CCV	Mg	5111.07910	5111.40039	5110.75781	0.00888	ug/L	10/18/10	21:22	
CCV	2Mg	5.11107	5.11139	5.11075	0.00882	mg/L	10/18/10	21:22	
CCV	Mn	5081.02001	5080.57421	5081.46582	0.01240	ug/L	10/18/10	21:22	
CCV	Mo	498.04425	499.19030	496.89819	0.32542	ug/L	10/18/10	21:22	
CCV	Na	7282.59960	7427.87255	7137.32714	2.82106	ug/L	10/18/10	21:22	
CCV	Ni	2535.48095	2539.02221	2531.93994	0.19751	ug/L	10/18/10	21:22	
CCV	Pb	507.91915	507.41845	508.41986	0.13941	ug/L	10/18/10	21:22	
CCV	Se	5007.07617	5009.36132	5004.79052	0.06454	ug/L	10/18/10	21:22	
CCV	Sb	501.61956	503.44433	499.79479	0.51445	ug/L	10/18/10	21:22	
CCV	Sn	5030.93359	5027.02197	5034.84570	0.10996	ug/L	10/18/10	21:22	
CCV	Sr	2529.89746	2526.48706	2533.30786	0.19064	ug/L	10/18/10	21:22	
CCV	Ti	503.12197	502.93554	503.30841	0.05240	ug/L	10/18/10	21:22	
CCV	Tl	4968.61621	4974.98583	4962.24609	0.18130	ug/L	10/18/10	21:22	
CCV	V	5081.88476	5084.69580	5079.07373	0.07822	ug/L	10/18/10	21:22	
CCV	Zn	2530.77954	2528.70043	2532.85864	0.11618	ug/L	10/18/10	21:22	
CCV	2203/1	514.00439	520.30780	507.70092	1.73430	ug/L	10/18/10	21:22	
CCV	2203/2	504.88110	500.98342	508.77880	1.09177	ug/L	10/18/10	21:22	
CCV	1960/1	5102.81787	5133.39697	5072.23876	0.84748	ug/L	10/18/10	21:22	
CCV	1960/2	4959.27685	4947.43652	4971.11718	0.33764	ug/L	10/18/10	21:22	
CCV	Y	991.25994	991.19696	991.32293	0.00898		10/18/10	21:22	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.71538	0.77457	0.65620	11.70009	ug/L	10/18/10	21:27	
CCB	Al	-8.87336	-13.69678	-4.04993	76.87451	ug/L	10/18/10	21:27	
CCB	2Al	-0.00887	-0.01369	-0.00405	76.87426	mg/L	10/18/10	21:27	
CCB	As	-0.10121	-2.96310	2.76067	3998.65844	ug/L	10/18/10	21:27	
CCB	B	7.37089	9.05799	5.68379	32.36943	ug/L	10/18/10	21:27	
CCB	Ba	1.56811	0.63325	2.50297	84.31093	ug/L	10/18/10	21:27	
CCB	Be	0.16113	0.03584	0.28642	109.96044	ug/L	10/18/10	21:27	
CCB	Ca	3.74445	2.26460	5.22429	55.89113	ug/L	10/18/10	21:27	
CCB	Cd	-0.10428	-0.01246	-0.19610	124.51999	ug/L	10/18/10	21:27	
CCB	Co	0.15588	-0.68501	0.99678	762.88415	ug/L	10/18/10	21:27	
CCB	Cr	1.05251	-0.29710	2.40213	181.34155	ug/L	10/18/10	21:27	
CCB	Cu	1.22675	-0.43551	2.88902	191.62768	ug/L	10/18/10	21:27	
CCB	Fe	12.37965	11.16678	13.59253	13.85552	ug/L	10/18/10	21:27	
CCB	2Fe	0.01237	0.01116	0.01359	13.85907	mg/L	10/18/10	21:27	
CCB	K	15.37204	19.11353	11.63055	34.42135	ug/L	10/18/10	21:27	
CCB	Mg	-5.76711	-11.80653	0.27230	148.09892	ug/L	10/18/10	21:27	
CCB	2Mg	-0.00576	-0.01180	0.00027	148.06431	mg/L	10/18/10	21:27	
CCB	Mn	1.22463	0.14540	2.30385	124.62989	ug/L	10/18/10	21:27	
CCB	Mo	-0.84438	-0.44814	-1.24061	66.36311	ug/L	10/18/10	21:27	
CCB	Na	56.67796	100.75765	12.59826	109.98649	ug/L	10/18/10	21:27	
CCB	Ni	1.80965	1.30660	2.31269	39.31206	ug/L	10/18/10	21:27	
CCB	Pb	0.32261	-0.76409	1.40932	476.36462	ug/L	10/18/10	21:27	
CCB	Se	4.43337	3.20633	5.66041	39.14167	ug/L	10/18/10	21:27	
CCB	Sb	-3.12976	-1.54752	-4.71200	71.49514	ug/L	10/18/10	21:27	
CCB	Sn	5.16357	4.54730	5.77984	16.87844	ug/L	10/18/10	21:27	
CCB	Sr	0.62273	0.01707	1.22838	137.54296	ug/L	10/18/10	21:27	
CCB	Ti	-0.21828	-0.33279	-0.10377	74.18865	ug/L	10/18/10	21:27	
CCB	Tl	-6.60063	-3.89863	-9.30263	57.89147	ug/L	10/18/10	21:27	
CCB	V	1.74606	1.02424	2.46788	58.46305	ug/L	10/18/10	21:27	
CCB	Zn	0.93095	0.14942	1.71249	118.72237	ug/L	10/18/10	21:27	
CCB	2203/1	3.54164	7.51499	-0.43171	158.66018	ug/L	10/18/10	21:27	
CCB	2203/2	-1.28448	-4.89742	2.32846	397.78533	ug/L	10/18/10	21:27	
CCB	1960/1	10.05013	10.54725	9.55301	6.99529	ug/L	10/18/10	21:27	
CCB	1960/2	1.62920	-0.45862	3.71702	181.23194	ug/L	10/18/10	21:27	
CCB	Y	1002.46948	1001.96093	1002.97796	0.07173		10/18/10	21:27	
61963-5 1/10	Ag	-0.04519	-0.22398	0.13359	559.43762	ug/L	10/18/10	21:32	
61963-5 1/10	Al	3313.10742	3349.04296	3277.17211	1.53391	ug/L	10/18/10	21:32	
61963-5 1/10	2Al	3.31312	3.34906	3.27718	1.53401	mg/L	10/18/10	21:32	
61963-5 1/10	As	-0.65765	-0.52098	-0.79432	29.38947	ug/L	10/18/10	21:32	
61963-5 1/10	B	32.25019	33.31356	31.18683	4.66301	ug/L	10/18/10	21:32	
61963-5 1/10	Ba	6.04372	6.04833	6.03910	0.10798	ug/L	10/18/10	21:32	
61963-5 1/10	Be	0.14246	0.12900	0.15592	13.36329	ug/L	10/18/10	21:32	
61963-5 1/10	Ca	92930.95312	93779.84375	92082.05468	1.29183	ug/L	10/18/10	21:32	
61963-5 1/10	Cd	-0.16042	-0.22551	-0.09534	57.37643	ug/L	10/18/10	21:32	
61963-5 1/10	Co	-0.36963	-0.19386	-0.54541	67.25038	ug/L	10/18/10	21:32	
61963-5 1/10	Cr	10.15581	10.01130	10.30031	2.01224	ug/L	10/18/10	21:32	
61963-5 1/10	Cu	22.77906	23.67457	21.88356	5.55966	ug/L	10/18/10	21:32	
61963-5 1/10	Fe	2687.36791	2698.88964	2675.84619	0.60632	ug/L	10/18/10	21:32	
61963-5 1/10	2Fe	2.68702	2.69854	2.67550	0.60633	mg/L	10/18/10	21:32	
61963-5 1/10	K	532.74572	533.76428	531.72723	0.27037	ug/L	10/18/10	21:32	
61963-5 1/10	Mg	3609.75585	3640.12280	3579.38891	1.18970	ug/L	10/18/10	21:32	
61963-5 1/10	2Mg	3.60827	3.63862	3.57791	1.18976	mg/L	10/18/10	21:32	
61963-5 1/10	Mn	13.27735	13.29941	13.25530	0.23492	ug/L	10/18/10	21:32	
61963-5 1/10	Mo	-0.18701	-0.72356	0.34952	405.72628	ug/L	10/18/10	21:32	
61963-5 1/10	Na	2443.94677	2426.09936	2461.79443	1.03276	ug/L	10/18/10	21:32	
61963-5 1/10	Ni	3.38843	2.80056	3.97630	24.53576	ug/L	10/18/10	21:32	
61963-5 1/10	Pb	23.58276	23.98120	23.18433	2.38934	ug/L	10/18/10	21:32	
61963-5 1/10	Se	8.26585	8.33504	8.19666	1.18377	ug/L	10/18/10	21:32	
61963-5 1/10	Sb	-3.09711	-3.76125	-2.43296	30.32653	ug/L	10/18/10	21:32	
61963-5 1/10	Sn	6.67507	8.48184	4.86830	38.27910	ug/L	10/18/10	21:32	
61963-5 1/10	Sr	586.75512	593.40643	580.10382	1.60311	ug/L	10/18/10	21:32	
61963-5 1/10	Ti	22.22992	22.49699	21.96284	1.69906	ug/L	10/18/10	21:32	
61963-5 1/10	Tl	-5.85013	-7.14775	-4.55251	31.36876	ug/L	10/18/10	21:32	
61963-5 1/10	V	6.28406	6.28381	6.28431	0.00568	ug/L	10/18/10	21:32	
61963-5 1/10	Zn	42.85874	43.49720	42.22027	2.10673	ug/L	10/18/10	21:32	
61963-5 1/10	2203/1	29.61699	30.53953	28.69445	4.40511	ug/L	10/18/10	21:32	
61963-5 1/10	2203/2	20.57017	20.70695	20.43339	0.94036	ug/L	10/18/10	21:32	
61963-5 1/10	1960/1	16.65518	16.93260	16.37776	2.35558	ug/L	10/18/10	21:32	
61963-5 1/10	1960/2	4.07747	4.04271	4.11224	1.20587	ug/L	10/18/10	21:32	
61963-5 1/10	Y	988.01544	988.49694	987.53393	0.06892		10/18/10	21:32	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-6 1/10	Ag	1.60797	2.02406	1.19187	36.59555	ug/L	10/18/10	21:37	
61963-6 1/10	Al	6178.27929	6241.35986	6115.19921	1.44391	ug/L	10/18/10	21:37	
61963-6 1/10	2Al	6.17838	6.24116	6.11560	1.43706	mg/L	10/18/10	21:37	
61963-6 1/10	As	-1.18659	-1.99969	-0.37348	96.90823	ug/L	10/18/10	21:37	
61963-6 1/10	B	36.44736	37.91996	34.97476	5.71391	ug/L	10/18/10	21:37	
61963-6 1/10	Ba	10.36175	10.56869	10.15480	2.82451	ug/L	10/18/10	21:37	
61963-6 1/10	Be	0.27584	0.31145	0.24023	18.25523	ug/L	10/18/10	21:37	
61963-6 1/10	Ca	105288.89062	106381.64062	104196.14062	1.46775	ug/L	10/18/10	21:37	
61963-6 1/10	Cd	0.14751	0.06688	0.22814	77.30122	ug/L	10/18/10	21:37	
61963-6 1/10	Co	0.43818	1.02813	-0.15176	190.40113	ug/L	10/18/10	21:37	
61963-6 1/10	Cr	16.79458	17.64787	15.94129	7.18526	ug/L	10/18/10	21:37	
61963-6 1/10	Cu	18.96420	19.75529	18.17310	5.89939	ug/L	10/18/10	21:37	
61963-6 1/10	Fe	4068.75537	4117.69384	4019.81665	1.70100	ug/L	10/18/10	21:37	
61963-6 1/10	2Fe	4.06824	4.11717	4.01930	1.70100	mg/L	10/18/10	21:37	
61963-6 1/10	K	1100.57763	1115.95532	1085.19982	1.97600	ug/L	10/18/10	21:37	
61963-6 1/10	Mg	5033.79101	5084.83300	4982.74902	1.43399	ug/L	10/18/10	21:37	
61963-6 1/10	2Mg	5.03166	5.08268	4.98064	1.43395	mg/L	10/18/10	21:37	
61963-6 1/10	Mn	18.60550	18.81747	18.39354	1.61115	ug/L	10/18/10	21:37	
61963-6 1/10	Mo	-0.89547	-1.42908	-0.36186	84.27243	ug/L	10/18/10	21:37	
61963-6 1/10	Na	7119.47265	7257.16357	6981.78222	2.73509	ug/L	10/18/10	21:37	
61963-6 1/10	Ni	6.67126	7.41064	5.93188	15.67375	ug/L	10/18/10	21:37	
61963-6 1/10	Pb	22.52633	21.91047	23.14219	3.86639	ug/L	10/18/10	21:37	
61963-6 1/10	Se	3.67411	3.85408	3.49414	6.92719	ug/L	10/18/10	21:37	
61963-6 1/10	Sb	1.34255	4.79884	-2.11373	364.07748	ug/L	10/18/10	21:37	
61963-6 1/10	Sn	3.95127	6.06719	1.83535	75.73165	ug/L	10/18/10	21:37	
61963-6 1/10	Sr	477.90350	483.75424	472.05279	1.73134	ug/L	10/18/10	21:37	
61963-6 1/10	Ti	35.30881	35.80025	34.81737	1.96834	ug/L	10/18/10	21:37	
61963-6 1/10	Tl	-2.51186	-6.32543	1.30171	214.70944	ug/L	10/18/10	21:37	
61963-6 1/10	V	10.83818	11.52466	10.15170	8.95747	ug/L	10/18/10	21:37	
61963-6 1/10	Zn	48.76116	49.38718	48.13514	1.81564	ug/L	10/18/10	21:37	
61963-6 1/10	2203/1	30.95591	30.90269	31.00913	0.24312	ug/L	10/18/10	21:37	
61963-6 1/10	2203/2	18.31786	17.42110	19.21462	6.92335	ug/L	10/18/10	21:37	
61963-6 1/10	1960/1	11.15734	9.49418	12.82049	21.08082	ug/L	10/18/10	21:37	
61963-6 1/10	1960/2	-0.06188	1.03826	-1.16203	2514.00366	ug/L	10/18/10	21:37	
61963-6 1/10	Y	996.23248	994.84197	997.62298	0.19739		10/18/10	21:37	
61963-7 1/10	Ag	0.45755	0.90219	0.01291	137.43099	ug/L	10/18/10	21:42	
61963-7 1/10	Al	2070.39355	2150.85473	1989.93225	5.49602	ug/L	10/18/10	21:42	
61963-7 1/10	2Al	2.07032	2.15079	1.98986	5.49655	mg/L	10/18/10	21:42	
61963-7 1/10	As	-1.41684	0.24454	-3.07824	165.83088	ug/L	10/18/10	21:42	
61963-7 1/10	B	18.46303	17.80792	19.11813	5.01789	ug/L	10/18/10	21:42	
61963-7 1/10	Ba	7.00859	7.28645	6.73074	5.60668	ug/L	10/18/10	21:42	
61963-7 1/10	Be	0.10385	0.10363	0.10406	0.29072	ug/L	10/18/10	21:42	
61963-7 1/10	Ca	114383.17187	118507.71093	110258.63281	5.09950	ug/L	10/18/10	21:42	
61963-7 1/10	Cd	0.47331	0.37375	0.57286	29.74584	ug/L	10/18/10	21:42	
61963-7 1/10	Co	0.91461	1.29684	0.53238	59.10192	ug/L	10/18/10	21:42	
61963-7 1/10	Cr	8.06647	8.71657	7.41637	11.39749	ug/L	10/18/10	21:42	
61963-7 1/10	Cu	19.24460	20.76510	17.72409	11.17363	ug/L	10/18/10	21:42	
61963-7 1/10	Fe	3022.27587	3142.89160	2901.66040	5.64396	ug/L	10/18/10	21:42	
61963-7 1/10	2Fe	3.02189	3.14249	2.90129	5.64397	mg/L	10/18/10	21:42	
61963-7 1/10	K	398.93530	411.25851	386.61212	4.36853	ug/L	10/18/10	21:42	
61963-7 1/10	Mg	4681.59179	4850.90820	4512.27490	5.11471	ug/L	10/18/10	21:42	
61963-7 1/10	2Mg	4.67974	4.84899	4.51050	5.11465	mg/L	10/18/10	21:42	
61963-7 1/10	Mn	21.41535	22.19746	20.63325	5.16483	ug/L	10/18/10	21:42	
61963-7 1/10	Mo	-0.00823	-0.80896	0.79249	13748.39648	ug/L	10/18/10	21:42	
61963-7 1/10	Na	3987.86010	4145.36767	3830.35253	5.58568	ug/L	10/18/10	21:42	
61963-7 1/10	Ni	3.76631	3.00415	4.52846	28.61823	ug/L	10/18/10	21:42	
61963-7 1/10	Pb	28.64584	30.75064	26.54105	10.39112	ug/L	10/18/10	21:42	
61963-7 1/10	Se	1.78942	-4.56749	8.14634	502.39794	ug/L	10/18/10	21:42	
61963-7 1/10	Sb	-5.43235	-5.07172	-5.79298	9.38841	ug/L	10/18/10	21:42	
61963-7 1/10	Sn	7.92397	9.10244	6.74549	21.03261	ug/L	10/18/10	21:42	
61963-7 1/10	Sr	874.82421	907.91351	841.73498	5.34910	ug/L	10/18/10	21:42	
61963-7 1/10	Ti	14.85018	15.41454	14.28582	5.37454	ug/L	10/18/10	21:42	
61963-7 1/10	Tl	-5.54262	-6.12382	-4.96142	14.82945	ug/L	10/18/10	21:42	
61963-7 1/10	V	5.82688	5.49263	6.16114	8.11250	ug/L	10/18/10	21:42	
61963-7 1/10	Zn	51.31976	53.01515	49.62437	4.67197	ug/L	10/18/10	21:42	
61963-7 1/10	2203/1	31.27656	34.56079	27.99233	14.85012	ug/L	10/18/10	21:42	
61963-7 1/10	2203/2	27.33246	28.84841	25.81650	7.84372	ug/L	10/18/10	21:42	
61963-7 1/10	1960/1	5.12533	-2.92113	13.17179	222.02302	ug/L	10/18/10	21:42	
61963-7 1/10	1960/2	0.12397	-5.38943	5.63738	6289.32080	ug/L	10/18/10	21:42	
61963-7 1/10	Y	993.33898	992.93395	993.74395	0.05765		10/18/10	21:42	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-8 1/10	Ag	0.57823	1.49931	-0.34285	225.27618	ug/L	10/18/10	21:48	
61963-8 1/10	Al	2832.56542	2833.83081	2831.29980	0.06318	ug/L	10/18/10	21:48	
61963-8 1/10	2Al	2.83275	2.83401	2.83148	0.06318	mg/L	10/18/10	21:48	
61963-8 1/10	As	2.95899	0.01222	5.90575	140.83718	ug/L	10/18/10	21:48	
61963-8 1/10	B	36.22900	36.33982	36.11819	0.43257	ug/L	10/18/10	21:48	
61963-8 1/10	Ba	8.86374	8.94502	8.78246	1.29678	ug/L	10/18/10	21:48	
61963-8 1/10	Be	0.07549	0.09367	0.05732	34.03918	ug/L	10/18/10	21:48	
61963-8 1/10	Ca	98980.23437	99188.76562	98771.71093	0.29794	ug/L	10/18/10	21:48	
61963-8 1/10	Cd	1.45790	1.28562	1.63018	16.71189	ug/L	10/18/10	21:48	
61963-8 1/10	Co	0.23642	0.59059	-0.11774	211.85539	ug/L	10/18/10	21:48	
61963-8 1/10	Cr	20.18527	20.22978	20.14077	0.31180	ug/L	10/18/10	21:48	
61963-8 1/10	Cu	83.83959	84.17764	83.50154	0.57022	ug/L	10/18/10	21:48	
61963-8 1/10	Fe	10381.29296	10388.69433	10373.89062	0.10083	ug/L	10/18/10	21:48	
61963-8 1/10	2Fe	10.37997	10.38737	10.37257	0.10083	mg/L	10/18/10	21:48	
61963-8 1/10	K	661.24475	662.47979	660.00976	0.26413	ug/L	10/18/10	21:48	
61963-8 1/10	Mg	4567.47949	4577.77197	4557.18750	0.31867	ug/L	10/18/10	21:48	
61963-8 1/10	2Mg	4.56438	4.57466	4.55409	0.31876	mg/L	10/18/10	21:48	
61963-8 1/10	Mn	35.57808	35.80504	35.35113	0.90214	ug/L	10/18/10	21:48	
61963-8 1/10	Mo	0.83954	1.24104	0.43803	67.63361	ug/L	10/18/10	21:48	
61963-8 1/10	Na	8888.72070	9027.40527	8750.03515	2.20650	ug/L	10/18/10	21:48	
61963-8 1/10	Ni	19.62631	19.88045	19.37216	1.83127	ug/L	10/18/10	21:48	
61963-8 1/10	Pb	188.48794	187.75486	189.22100	0.55001	ug/L	10/18/10	21:48	
61963-8 1/10	Se	3.91749	4.72340	3.11158	29.09333	ug/L	10/18/10	21:48	
61963-8 1/10	Sb	0.55521	1.38679	-0.27636	211.81678	ug/L	10/18/10	21:48	
61963-8 1/10	Sn	10.94990	13.85431	8.04550	37.51124	ug/L	10/18/10	21:48	
61963-8 1/10	Sr	1328.67993	1331.35729	1326.00256	0.28497	ug/L	10/18/10	21:48	
61963-8 1/10	Ti	34.47267	34.74152	34.20381	1.10296	ug/L	10/18/10	21:48	
61963-8 1/10	Tl	-0.42188	-0.13729	-0.70648	95.39862	ug/L	10/18/10	21:48	
61963-8 1/10	V	7.54053	7.32968	7.75138	3.95451	ug/L	10/18/10	21:48	
61963-8 1/10	Zn	517.15478	518.62402	515.68548	0.40178	ug/L	10/18/10	21:48	
61963-8 1/10	2203/1	193.88789	193.52134	194.25444	0.26735	ug/L	10/18/10	21:48	
61963-8 1/10	2203/2	185.79200	184.87594	186.70806	0.69728	ug/L	10/18/10	21:48	
61963-8 1/10	1960/1	6.16516	5.71877	6.61156	10.23977	ug/L	10/18/10	21:48	
61963-8 1/10	1960/2	2.79534	4.22646	1.36421	72.40318	ug/L	10/18/10	21:48	
61963-8 1/10	Y	990.31945	990.40496	990.23394	0.01221		10/18/10	21:48	
61963-12 1/10	Ag	-0.43117	-0.16474	-0.69760	87.38774	ug/L	10/18/10	21:53	
61963-12 1/10	Al	270.58450	272.04858	269.12042	0.76520	ug/L	10/18/10	21:53	
61963-12 1/10	2Al	0.27060	0.27206	0.26913	0.76520	mg/L	10/18/10	21:53	
61963-12 1/10	As	2.31172	2.51901	2.10442	12.68154	ug/L	10/18/10	21:53	
61963-12 1/10	B	26.21670	26.11589	26.31751	0.54379	ug/L	10/18/10	21:53	
61963-12 1/10	Ba	3.27510	3.09051	3.45969	7.97080	ug/L	10/18/10	21:53	
61963-12 1/10	Be	0.02730	0.03165	0.02295	22.51790	ug/L	10/18/10	21:53	
61963-12 1/10	Ca	152099.43750	152504.54687	151694.31250	0.37667	ug/L	10/18/10	21:53	
61963-12 1/10	Cd	-0.09876	-0.42681	0.22929	469.75366	ug/L	10/18/10	21:53	
61963-12 1/10	Co	0.46797	0.42025	0.51570	14.42194	ug/L	10/18/10	21:53	
61963-12 1/10	Cr	3.49069	4.23097	2.75040	29.99181	ug/L	10/18/10	21:53	
61963-12 1/10	Cu	6.89680	7.26924	6.52436	7.63697	ug/L	10/18/10	21:53	
61963-12 1/10	Fe	253.68804	255.06173	252.31437	0.76577	ug/L	10/18/10	21:53	
61963-12 1/10	2Fe	0.25365	0.25502	0.25228	0.76576	mg/L	10/18/10	21:53	
61963-12 1/10	K	408.17736	403.83120	412.52355	1.50582	ug/L	10/18/10	21:53	
61963-12 1/10	Mg	3349.64599	3366.14819	3333.14355	0.69672	ug/L	10/18/10	21:53	
61963-12 1/10	2Mg	3.34865	3.36515	3.33215	0.69672	mg/L	10/18/10	21:53	
61963-12 1/10	Mn	2.42107	2.47933	2.36282	3.40281	ug/L	10/18/10	21:53	
61963-12 1/10	Mo	-2.23099	-1.87616	-2.58582	22.49252	ug/L	10/18/10	21:53	
61963-12 1/10	Na	8086.04687	7906.01171	8266.08203	3.14873	ug/L	10/18/10	21:53	
61963-12 1/10	Ni	0.53268	-0.66663	1.73199	318.40704	ug/L	10/18/10	21:53	
61963-12 1/10	Pb	7.61132	7.65757	7.56507	0.85942	ug/L	10/18/10	21:53	
61963-12 1/10	Se	-2.77563	-8.39739	2.84611	286.43362	ug/L	10/18/10	21:53	
61963-12 1/10	Sb	-4.63422	-7.00527	-2.26318	72.35646	ug/L	10/18/10	21:53	
61963-12 1/10	Sn	5.87544	5.61278	6.13809	6.32203	ug/L	10/18/10	21:53	
61963-12 1/10	Sr	2214.63427	2224.23779	2205.03051	0.61326	ug/L	10/18/10	21:53	
61963-12 1/10	Ti	2.99556	3.29425	2.69687	14.10132	ug/L	10/18/10	21:53	
61963-12 1/10	Tl	-3.39510	-5.04673	-1.74347	68.79773	ug/L	10/18/10	21:53	
61963-12 1/10	V	0.52445	0.47095	0.57795	14.42584	ug/L	10/18/10	21:53	
61963-12 1/10	Zn	15.67305	15.51631	15.82978	1.41422	ug/L	10/18/10	21:53	
61963-12 1/10	2203/1	8.79217	3.25427	14.33007	89.07669	ug/L	10/18/10	21:53	
61963-12 1/10	2203/2	7.02178	9.85593	4.18763	57.08076	ug/L	10/18/10	21:53	
61963-12 1/10	1960/1	3.82301	1.81604	5.82998	74.24202	ug/L	10/18/10	21:53	
61963-12 1/10	1960/2	-6.07001	-13.49645	1.35641	173.02368	ug/L	10/18/10	21:53	
61963-12 1/10	Y	993.73944	993.35693	994.12194	0.05443		10/18/10	21:53	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-18 1/10	Ag	0.69997	0.43145	0.96848	54.25071	ug/L	10/18/10	21:58	
61963-18 1/10	Al	394.01950	398.01049	390.02850	1.43244	ug/L	10/18/10	21:58	
61963-18 1/10	2Al	0.39404	0.39803	0.39005	1.43244	mg/L	10/18/10	21:58	
61963-18 1/10	As	0.65516	4.03589	-2.72556	729.75018	ug/L	10/18/10	21:58	
61963-18 1/10	B	19.89049	19.00161	20.77937	6.31995	ug/L	10/18/10	21:58	
61963-18 1/10	Ba	1.97124	2.00059	1.94190	2.10516	ug/L	10/18/10	21:58	
61963-18 1/10	Be	0.01087	0.00199	0.01975	115.51759	ug/L	10/18/10	21:58	
61963-18 1/10	Ca	45249.32031	45727.26562	44771.37890	1.49375	ug/L	10/18/10	21:58	
61963-18 1/10	Cd	0.06491	0.03581	0.09401	63.39407	ug/L	10/18/10	21:58	
61963-18 1/10	Co	0.59390	0.86929	0.31851	65.57512	ug/L	10/18/10	21:58	
61963-18 1/10	Cr	2.60993	2.81808	2.40178	11.27881	ug/L	10/18/10	21:58	
61963-18 1/10	Cu	10.83383	11.08791	10.57975	3.31668	ug/L	10/18/10	21:58	
61963-18 1/10	Fe	620.83483	627.68774	613.98193	1.56103	ug/L	10/18/10	21:58	
61963-18 1/10	2Fe	0.62075	0.62760	0.61390	1.56106	mg/L	10/18/10	21:58	
61963-18 1/10	K	352.32568	354.14916	350.50219	0.73193	ug/L	10/18/10	21:58	
61963-18 1/10	Mg	1681.26037	1692.96948	1669.55126	0.98492	ug/L	10/18/10	21:58	
61963-18 1/10	2Mg	1.68067	1.69238	1.66897	0.98488	mg/L	10/18/10	21:58	
61963-18 1/10	Mn	3.63156	3.61585	3.64728	0.61208	ug/L	10/18/10	21:58	
61963-18 1/10	Mo	2.13939	2.67574	1.60305	35.45431	ug/L	10/18/10	21:58	
61963-18 1/10	Na	7175.47363	7340.89257	7010.05419	3.26024	ug/L	10/18/10	21:58	
61963-18 1/10	Ni	1.18949	1.47873	0.90024	34.38893	ug/L	10/18/10	21:58	
61963-18 1/10	Pb	11.15137	10.44771	11.85502	8.92373	ug/L	10/18/10	21:58	
61963-18 1/10	Se	4.21805	2.12211	6.31398	70.27166	ug/L	10/18/10	21:58	
61963-18 1/10	Sb	-7.40859	-5.22320	-9.59397	41.71646	ug/L	10/18/10	21:58	
61963-18 1/10	Sn	-0.16013	-1.70423	1.38396	1363.68469	ug/L	10/18/10	21:58	
61963-18 1/10	Sr	522.78552	529.12249	516.44854	1.71424	ug/L	10/18/10	21:58	
61963-18 1/10	Ti	10.74256	10.67859	10.80652	0.84202	ug/L	10/18/10	21:58	
61963-18 1/10	Tl	4.21886	0.12502	8.31269	137.23020	ug/L	10/18/10	21:58	
61963-18 1/10	V	1.63642	1.76023	1.51262	10.69926	ug/L	10/18/10	21:58	
61963-18 1/10	Zn	27.36109	27.08846	27.63373	1.40917	ug/L	10/18/10	21:58	
61963-18 1/10	2203/1	17.32507	13.29662	21.35353	32.88350	ug/L	10/18/10	21:58	
61963-18 1/10	2203/2	8.06914	9.02539	7.11289	16.75941	ug/L	10/18/10	21:58	
61963-18 1/10	1960/1	5.47927	4.41612	6.54242	27.44011	ug/L	10/18/10	21:58	
61963-18 1/10	1960/2	3.58838	0.97683	6.19993	102.92343	ug/L	10/18/10	21:58	
61963-18 1/10	Y	987.40795	987.72296	987.09295	0.04511		10/18/10	21:58	
61963-19 1/10	Ag	1.30707	0.73594	1.87821	61.79488	ug/L	10/18/10	22:03	
61963-19 1/10	Al	85.21925	85.72879	84.70972	0.84556	ug/L	10/18/10	22:03	
61963-19 1/10	2Al	0.08522	0.08573	0.08471	0.84559	mg/L	10/18/10	22:03	
61963-19 1/10	As	-1.50145	-1.89765	-1.10525	37.31767	ug/L	10/18/10	22:03	
61963-19 1/10	B	15.97009	16.47310	15.46709	4.45433	ug/L	10/18/10	22:03	
61963-19 1/10	Ba	6.53359	6.48483	6.58234	1.05528	ug/L	10/18/10	22:03	
61963-19 1/10	Be	0.04850	0.02595	0.07106	65.74874	ug/L	10/18/10	22:03	
61963-19 1/10	Ca	207500.71875	208035.53125	206965.92187	0.36449	ug/L	10/18/10	22:03	
61963-19 1/10	Cd	0.10942	0.08090	0.13793	36.85295	ug/L	10/18/10	22:03	
61963-19 1/10	Co	-0.06569	-0.08074	-0.05064	32.39696	ug/L	10/18/10	22:03	
61963-19 1/10	Cr	0.80628	1.48399	0.12857	118.86974	ug/L	10/18/10	22:03	
61963-19 1/10	Cu	1.79692	2.00954	1.58431	16.73335	ug/L	10/18/10	22:03	
61963-19 1/10	Fe	109.57826	103.03583	116.12068	8.44363	ug/L	10/18/10	22:03	
61963-19 1/10	2Fe	0.10956	0.10302	0.11610	8.44374	mg/L	10/18/10	22:03	
61963-19 1/10	K	490.35235	472.51541	508.18930	5.14431	ug/L	10/18/10	22:03	
61963-19 1/10	Mg	925.43090	931.07525	919.78662	0.86254	ug/L	10/18/10	22:03	
61963-19 1/10	2Mg	0.92515	0.93079	0.91950	0.86273	mg/L	10/18/10	22:03	
61963-19 1/10	Mn	2.92269	2.94987	2.89552	1.31468	ug/L	10/18/10	22:03	
61963-19 1/10	Mo	2.64976	3.05395	2.24558	21.57176	ug/L	10/18/10	22:03	
61963-19 1/10	Na	4817.57421	4662.76660	4972.38232	4.54443	ug/L	10/18/10	22:03	
61963-19 1/10	Ni	0.04443	-0.60247	0.69135	2058.66625	ug/L	10/18/10	22:03	
61963-19 1/10	Pb	-0.06390	0.68388	-0.81170	1654.74682	ug/L	10/18/10	22:03	
61963-19 1/10	Se	-0.62253	-4.60155	3.35648	903.91168	ug/L	10/18/10	22:03	
61963-19 1/10	Sb	-2.13995	-7.08520	2.80530	326.81311	ug/L	10/18/10	22:03	
61963-19 1/10	Sn	6.80552	2.69934	10.91171	85.32794	ug/L	10/18/10	22:03	
61963-19 1/10	Sr	3941.54150	3953.98388	3929.09936	0.44642	ug/L	10/18/10	22:03	
61963-19 1/10	Ti	1.91591	1.81615	2.01566	7.36319	ug/L	10/18/10	22:03	
61963-19 1/10	Tl	-3.12975	-5.54662	-0.71289	109.20853	ug/L	10/18/10	22:03	
61963-19 1/10	V	0.77982	0.02161	1.53803	137.50207	ug/L	10/18/10	22:03	
61963-19 1/10	Zn	2.98979	2.55668	3.42290	20.48679	ug/L	10/18/10	22:03	
61963-19 1/10	2203/1	5.53832	0.32849	10.74816	133.03329	ug/L	10/18/10	22:03	
61963-19 1/10	2203/2	-2.86082	0.86131	-6.58296	183.99916	ug/L	10/18/10	22:03	
61963-19 1/10	1960/1	9.97455	-0.26923	20.21835	145.23861	ug/L	10/18/10	22:03	
61963-19 1/10	1960/2	-5.91314	-6.76446	-5.06181	20.36072	ug/L	10/18/10	22:03	
61963-19 1/10	Y	980.42395	980.97296	979.87493	0.07919		10/18/10	22:03	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-20 1/10	Ag	-1.57541	-4.09867	0.94785	226.50836	ug/L	10/18/10	22:08	
61963-20 1/10	Al	163.73165	164.96525	162.49804	1.06551	ug/L	10/18/10	22:08	
61963-20 1/10	2Al	0.16374	0.16497	0.16250	1.06553	mg/L	10/18/10	22:08	
61963-20 1/10	As	4.31761	4.59003	4.04518	8.92315	ug/L	10/18/10	22:08	
61963-20 1/10	B	14.53247	14.74386	14.32108	2.05712	ug/L	10/18/10	22:08	
61963-20 1/10	Ba	0.20540	-0.11836	0.52918	222.91641	ug/L	10/18/10	22:08	
61963-20 1/10	Be	-0.04838	-0.09812	0.00135	145.38082	ug/L	10/18/10	22:08	
61963-20 1/10	Ca	3863.78784	3874.26025	3853.31542	0.38330	ug/L	10/18/10	22:08	
61963-20 1/10	Cd	-0.50499	-0.55298	-0.45700	13.43954	ug/L	10/18/10	22:08	
61963-20 1/10	Co	-0.02729	-0.31744	0.26286	1503.58776	ug/L	10/18/10	22:08	
61963-20 1/10	Cr	0.50260	0.61729	0.38792	32.26895	ug/L	10/18/10	22:08	
61963-20 1/10	Cu	3.32944	3.70431	2.95458	15.92269	ug/L	10/18/10	22:08	
61963-20 1/10	Fe	345.46157	312.26306	378.66009	13.59045	ug/L	10/18/10	22:08	
61963-20 1/10	2Fe	0.34541	0.31222	0.37861	13.59060	mg/L	10/18/10	22:08	
61963-20 1/10	K	321.15994	286.35070	355.96917	15.32809	ug/L	10/18/10	22:08	
61963-20 1/10	Mg	1334.85083	1339.17358	1330.52819	0.45796	ug/L	10/18/10	22:08	
61963-20 1/10	2Mg	1.33441	1.33874	1.33008	0.45860	mg/L	10/18/10	22:08	
61963-20 1/10	Mn	1.27187	1.21622	1.32753	6.18793	ug/L	10/18/10	22:08	
61963-20 1/10	Mo	-1.85822	-3.70953	-0.00692	140.89439	ug/L	10/18/10	22:08	
61963-20 1/10	Na	7727.40625	7669.05712	7785.75537	1.06786	ug/L	10/18/10	22:08	
61963-20 1/10	Ni	0.13382	-1.49419	1.76184	1720.41979	ug/L	10/18/10	22:08	
61963-20 1/10	Pb	1.76032	1.16081	2.35983	48.16344	ug/L	10/18/10	22:08	
61963-20 1/10	Se	-3.20137	-7.41349	1.01074	186.07102	ug/L	10/18/10	22:08	
61963-20 1/10	Sb	-11.34692	-11.61608	-11.07775	3.35470	ug/L	10/18/10	22:08	
61963-20 1/10	Sn	0.16376	-5.13088	5.45841	4572.33593	ug/L	10/18/10	22:08	
61963-20 1/10	Sr	53.32118	53.65697	52.98539	0.89060	ug/L	10/18/10	22:08	
61963-20 1/10	Ti	2.96082	3.05255	2.86908	4.38175	ug/L	10/18/10	22:08	
61963-20 1/10	Tl	-10.64391	-12.68521	-8.60261	27.12196	ug/L	10/18/10	22:08	
61963-20 1/10	V	-0.41287	-3.21490	2.38915	959.77526	ug/L	10/18/10	22:08	
61963-20 1/10	Zn	11.41999	11.39932	11.44067	0.25599	ug/L	10/18/10	22:08	
61963-20 1/10	2203/1	-3.86284	-17.41038	9.68470	495.98510	ug/L	10/18/10	22:08	
61963-20 1/10	2203/2	4.56769	10.43249	-1.29710	181.58129	ug/L	10/18/10	22:08	
61963-20 1/10	1960/1	-6.19443	-25.97912	13.59025	451.69207	ug/L	10/18/10	22:08	
61963-20 1/10	1960/2	-1.70709	1.85540	-5.26958	295.12905	ug/L	10/18/10	22:08	
61963-20 1/10	Y	1003.48645	1002.50097	1004.47198	0.13888		10/18/10	22:08	
61963-21 1/10	Ag	1.42826	1.57647	1.28005	14.67528	ug/L	10/18/10	22:14	
61963-21 1/10	Al	504.81750	505.67373	503.96127	0.23986	ug/L	10/18/10	22:14	
61963-21 1/10	2Al	0.50485	0.50570	0.50399	0.23986	mg/L	10/18/10	22:14	
61963-21 1/10	As	3.69595	4.23463	3.15727	20.61195	ug/L	10/18/10	22:14	
61963-21 1/10	B	48.55996	48.72090	48.39903	0.46868	ug/L	10/18/10	22:14	
61963-21 1/10	Ba	2.21276	2.21683	2.20869	0.26014	ug/L	10/18/10	22:14	
61963-21 1/10	Be	0.06402	0.05869	0.06936	11.77467	ug/L	10/18/10	22:14	
61963-21 1/10	Ca	12061.85839	12078.92285	12044.79394	0.20007	ug/L	10/18/10	22:14	
61963-21 1/10	Cd	0.11504	0.25553	-0.02544	172.70591	ug/L	10/18/10	22:14	
61963-21 1/10	Co	0.40502	0.15376	0.65629	87.73318	ug/L	10/18/10	22:14	
61963-21 1/10	Cr	2.16425	2.19225	2.13625	1.82961	ug/L	10/18/10	22:14	
61963-21 1/10	Cu	12.13366	11.64777	12.61954	5.66313	ug/L	10/18/10	22:14	
61963-21 1/10	Fe	723.91223	709.76025	738.06420	2.76468	ug/L	10/18/10	22:14	
61963-21 1/10	2Fe	0.72382	0.70967	0.73797	2.76468	mg/L	10/18/10	22:14	
61963-21 1/10	K	475.28643	470.50756	480.06530	1.42195	ug/L	10/18/10	22:14	
61963-21 1/10	Mg	2801.89453	2801.54809	2802.24072	0.01747	ug/L	10/18/10	22:14	
61963-21 1/10	2Mg	2.80097	2.80063	2.80132	0.01735	mg/L	10/18/10	22:14	
61963-21 1/10	Mn	2.10140	1.97989	2.22291	8.17748	ug/L	10/18/10	22:14	
61963-21 1/10	Mo	-1.31205	-1.57594	-1.04815	28.44410	ug/L	10/18/10	22:14	
61963-21 1/10	Na	8051.77148	8133.31103	7970.23193	1.43216	ug/L	10/18/10	22:14	
61963-21 1/10	Ni	0.84947	1.50947	0.18947	109.87801	ug/L	10/18/10	22:14	
61963-21 1/10	Pb	7.89888	7.61481	8.18295	5.08594	ug/L	10/18/10	22:14	
61963-21 1/10	Se	0.33633	4.03204	-3.35937	1553.96057	ug/L	10/18/10	22:14	
61963-21 1/10	Sb	0.71364	-5.33210	6.75939	1198.06848	ug/L	10/18/10	22:14	
61963-21 1/10	Sn	6.10703	6.05562	6.15844	1.19055	ug/L	10/18/10	22:14	
61963-21 1/10	Sr	151.04252	151.75123	150.33381	0.66356	ug/L	10/18/10	22:14	
61963-21 1/10	Ti	7.47154	7.66189	7.28119	3.60291	ug/L	10/18/10	22:14	
61963-21 1/10	Tl	1.31945	1.82694	0.81197	54.39270	ug/L	10/18/10	22:14	
61963-21 1/10	V	5.18475	5.75465	4.61484	15.54503	ug/L	10/18/10	22:14	
61963-21 1/10	Zn	28.36034	28.25743	28.46324	0.51315	ug/L	10/18/10	22:14	
61963-21 1/10	2203/1	9.64268	11.13636	8.14901	21.90650	ug/L	10/18/10	22:14	
61963-21 1/10	2203/2	7.02828	5.85668	8.19989	23.57477	ug/L	10/18/10	22:14	
61963-21 1/10	1960/1	6.11074	11.49735	0.72412	124.66290	ug/L	10/18/10	22:14	
61963-21 1/10	1960/2	-2.54653	0.30498	-5.39806	158.35885	ug/L	10/18/10	22:14	
61963-21 1/10	Y	1015.36645	1013.33697	1017.39593	0.28266		10/18/10	22:14	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-22 1/10	Ag	0.48948	0.43000	0.54897	17.18634	ug/L	10/18/10	22:19	
61963-22 1/10	Al	79.94318	81.95626	77.93010	3.56117	ug/L	10/18/10	22:19	
61963-22 1/10	2Al	0.07994	0.08196	0.07793	3.56118	mg/L	10/18/10	22:19	
61963-22 1/10	As	2.02532	1.67219	2.37844	24.65759	ug/L	10/18/10	22:19	
61963-22 1/10	B	16.91251	16.48760	17.33742	3.55310	ug/L	10/18/10	22:19	
61963-22 1/10	Ba	6.83094	6.86050	6.80137	0.61217	ug/L	10/18/10	22:19	
61963-22 1/10	Be	0.06632	0.06638	0.06627	0.11470	ug/L	10/18/10	22:19	
61963-22 1/10	Ca	315196.93750	316327.37500	314066.53125	0.50719	ug/L	10/18/10	22:19	
61963-22 1/10	Cd	-0.16074	-0.18301	-0.13848	19.58443	ug/L	10/18/10	22:19	
61963-22 1/10	Co	-0.11759	0.10925	-0.34443	272.81689	ug/L	10/18/10	22:19	
61963-22 1/10	Cr	0.56282	1.00316	0.12248	110.64475	ug/L	10/18/10	22:19	
61963-22 1/10	Cu	4.05524	3.98963	4.12086	2.28822	ug/L	10/18/10	22:19	
61963-22 1/10	Fe	434.79931	448.22381	421.37484	4.36640	ug/L	10/18/10	22:19	
61963-22 1/10	2Fe	0.43474	0.44816	0.42132	4.36642	mg/L	10/18/10	22:19	
61963-22 1/10	K	264.48535	270.56567	258.40505	3.25116	ug/L	10/18/10	22:19	
61963-22 1/10	Mg	1037.23693	1044.83251	1029.64135	1.03561	ug/L	10/18/10	22:19	
61963-22 1/10	2Mg	1.03686	1.04446	1.02927	1.03538	mg/L	10/18/10	22:19	
61963-22 1/10	Mn	4.40299	4.56106	4.24492	5.07709	ug/L	10/18/10	22:19	
61963-22 1/10	Mo	0.57205	1.15233	-0.00822	143.45466	ug/L	10/18/10	22:19	
61963-22 1/10	Na	4174.98339	4297.42333	4052.54345	4.14747	ug/L	10/18/10	22:19	
61963-22 1/10	Ni	1.18197	1.22357	1.14037	4.97740	ug/L	10/18/10	22:19	
61963-22 1/10	Pb	3.80913	2.59325	5.02502	45.14192	ug/L	10/18/10	22:19	
61963-22 1/10	Se	4.61570	2.63638	6.59502	60.64480	ug/L	10/18/10	22:19	
61963-22 1/10	Sb	-1.57726	-3.22847	0.07394	148.05163	ug/L	10/18/10	22:19	
61963-22 1/10	Sn	8.82343	8.76836	8.87849	0.88263	ug/L	10/18/10	22:19	
61963-22 1/10	Sr	4532.85498	4556.54638	4509.16357	0.73915	ug/L	10/18/10	22:19	
61963-22 1/10	Ti	2.06800	1.93552	2.20047	9.05927	ug/L	10/18/10	22:19	
61963-22 1/10	Tl	-3.53842	-4.55676	-2.52009	40.69995	ug/L	10/18/10	22:19	
61963-22 1/10	V	1.84035	1.96501	1.71570	9.57876	ug/L	10/18/10	22:19	
61963-22 1/10	Zn	9.90384	10.23331	9.57437	4.70458	ug/L	10/18/10	22:19	
61963-22 1/10	2203/1	9.36120	7.77126	10.95113	24.01942	ug/L	10/18/10	22:19	
61963-22 1/10	2203/2	1.03726	0.00813	2.06640	140.31288	ug/L	10/18/10	22:19	
61963-22 1/10	1960/1	12.49839	6.48941	18.50738	67.99261	ug/L	10/18/10	22:19	
61963-22 1/10	1960/2	0.68026	0.71275	0.64777	6.75419	ug/L	10/18/10	22:19	
61963-22 1/10	Y	989.87841	989.91894	989.83795	0.00578		10/18/10	22:19	
CCV	Ag	497.06655	497.20553	496.92758	0.03954	ug/L	10/18/10	22:24	
CCV	Al	4953.61035	4951.74609	4955.47460	0.05322	ug/L	10/18/10	22:24	
CCV	2Al	4.95359	4.95183	4.95536	0.05041	mg/L	10/18/10	22:24	
CCV	As	505.12658	505.99954	504.25363	0.24440	ug/L	10/18/10	22:24	
CCV	B	5024.42138	5023.68212	5025.16064	0.02080	ug/L	10/18/10	22:24	
CCV	Ba	4973.00878	4976.81103	4969.20654	0.10812	ug/L	10/18/10	22:24	
CCV	Be	506.76196	506.70660	506.81732	0.01544	ug/L	10/18/10	22:24	
CCV	Ca	4996.58300	4994.42822	4998.73730	0.06098	ug/L	10/18/10	22:24	
CCV	Cd	498.38159	498.50659	498.25662	0.03546	ug/L	10/18/10	22:24	
CCV	Co	508.69854	508.98266	508.41439	0.07899	ug/L	10/18/10	22:24	
CCV	Cr	5038.30468	5032.60498	5044.00488	0.15999	ug/L	10/18/10	22:24	
CCV	Cu	4979.87304	4981.96679	4977.77929	0.05945	ug/L	10/18/10	22:24	
CCV	Fe	5036.54492	5024.48730	5048.60253	0.33856	ug/L	10/18/10	22:24	
CCV	2Fe	5.03654	5.02449	5.04860	0.33852	mg/L	10/18/10	22:24	
CCV	K	9548.41210	9551.16601	9545.65917	0.04078	ug/L	10/18/10	22:24	
CCV	Mg	5145.41894	5150.98730	5139.85107	0.15303	ug/L	10/18/10	22:24	
CCV	2Mg	5.14540	5.15096	5.13983	0.15302	mg/L	10/18/10	22:24	
CCV	Mn	5062.20507	5059.45849	5064.95117	0.07672	ug/L	10/18/10	22:24	
CCV	Mo	493.96600	494.03179	493.90017	0.01884	ug/L	10/18/10	22:24	
CCV	Na	7180.50390	7100.78808	7260.21923	1.57001	ug/L	10/18/10	22:24	
CCV	Ni	2542.62304	2547.04760	2538.19824	0.24610	ug/L	10/18/10	22:24	
CCV	Pb	510.65692	510.60012	510.71371	0.01572	ug/L	10/18/10	22:24	
CCV	Se	4989.83837	4992.58789	4987.08886	0.07792	ug/L	10/18/10	22:24	
CCV	Sb	491.47412	488.64205	494.30618	0.81492	ug/L	10/18/10	22:24	
CCV	Sn	5047.47167	5043.15673	5051.78710	0.12090	ug/L	10/18/10	22:24	
CCV	Sr	2489.70703	2490.45336	2488.96093	0.04238	ug/L	10/18/10	22:24	
CCV	Ti	498.55364	498.97708	498.13024	0.12010	ug/L	10/18/10	22:24	
CCV	Tl	4970.19189	4989.28222	4951.10156	0.54319	ug/L	10/18/10	22:24	
CCV	V	5050.15625	5047.65039	5052.66162	0.07016	ug/L	10/18/10	22:24	
CCV	Zn	2558.71948	2559.98120	2557.45776	0.06973	ug/L	10/18/10	22:24	
CCV	2203/1	513.99523	514.49475	513.49566	0.13744	ug/L	10/18/10	22:24	
CCV	2203/2	508.99029	508.65573	509.32482	0.09295	ug/L	10/18/10	22:24	
CCV	1960/1	5085.53662	5087.47705	5083.59619	0.05396	ug/L	10/18/10	22:24	
CCV	1960/2	4942.06054	4945.21435	4938.90722	0.09024	ug/L	10/18/10	22:24	
CCV	Y	1016.80200	1016.57696	1017.02697	0.03129		10/18/10	22:24	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	1.14222	0.12496	2.15947	125.94858	ug/L	10/18/10	22:29	
CCB	Al	-17.51525	-12.42075	-22.60975	41.13389	ug/L	10/18/10	22:29	
CCB	2Al	-0.01751	-0.01242	-0.02261	41.13400	mg/L	10/18/10	22:29	
CCB	As	2.11881	4.44113	-0.20350	155.00465	ug/L	10/18/10	22:29	
CCB	B	6.02854	8.58394	3.47314	59.94606	ug/L	10/18/10	22:29	
CCB	Ba	0.94224	0.36603	1.51845	86.48397	ug/L	10/18/10	22:29	
CCB	Be	0.09825	0.00521	0.19128	133.90933	ug/L	10/18/10	22:29	
CCB	Ca	5.89782	3.52128	8.27436	56.98594	ug/L	10/18/10	22:29	
CCB	Cd	-0.00398	-0.30504	0.29707	10689.13867	ug/L	10/18/10	22:29	
CCB	Co	-0.64229	-0.95729	-0.32728	69.35821	ug/L	10/18/10	22:29	
CCB	Cr	-0.02684	-0.25367	0.19998	1195.08642	ug/L	10/18/10	22:29	
CCB	Cu	0.05349	-0.09288	0.19987	386.95861	ug/L	10/18/10	22:29	
CCB	Fe	4.23270	6.11278	2.35262	62.81644	ug/L	10/18/10	22:29	
CCB	2Fe	0.00423	0.00611	0.00235	62.80909	mg/L	10/18/10	22:29	
CCB	K	17.98287	3.03652	32.92924	117.54148	ug/L	10/18/10	22:29	
CCB	Mg	-11.74367	-11.74814	-11.73919	0.05387	ug/L	10/18/10	22:29	
CCB	2Mg	-0.01174	-0.01174	-0.01173	0.06038	mg/L	10/18/10	22:29	
CCB	Mn	0.57089	0.11355	1.02824	113.29290	ug/L	10/18/10	22:29	
CCB	Mo	1.21609	1.21635	1.21584	0.02993	ug/L	10/18/10	22:29	
CCB	Na	99.31170	-75.15750	273.78091	248.44676	ug/L	10/18/10	22:29	
CCB	Ni	1.42868	0.42851	2.42885	99.00352	ug/L	10/18/10	22:29	
CCB	Pb	-3.33173	-3.02095	-3.64251	13.19166	ug/L	10/18/10	22:29	
CCB	Se	4.01375	-1.03721	9.06472	177.96682	ug/L	10/18/10	22:29	
CCB	Sb	-1.59297	-3.71565	0.52970	188.44783	ug/L	10/18/10	22:29	
CCB	Sn	6.69412	4.20931	9.17894	52.49464	ug/L	10/18/10	22:29	
CCB	Sr	0.27341	0.08497	0.46185	97.47084	ug/L	10/18/10	22:29	
CCB	Ti	-0.26572	-0.20290	-0.32855	33.43449	ug/L	10/18/10	22:29	
CCB	Tl	4.72700	4.10346	5.35053	18.65480	ug/L	10/18/10	22:29	
CCB	V	1.80998	0.53921	3.08074	99.29029	ug/L	10/18/10	22:29	
CCB	Zn	0.20823	-0.11395	0.53041	218.81236	ug/L	10/18/10	22:29	
CCB	2203/1	8.02899	2.89386	13.16413	90.44938	ug/L	10/18/10	22:29	
CCB	2203/2	-9.00359	-5.97393	-12.03325	47.58749	ug/L	10/18/10	22:29	
CCB	1960/1	16.22430	4.30840	28.14021	103.86656	ug/L	10/18/10	22:29	
CCB	1960/2	-2.08236	-3.70602	-0.45871	110.26815	ug/L	10/18/10	22:29	
CCB	Y	1012.17144	1011.94195	1012.40093	0.03206		10/18/10	22:29	
61963-29 1/10	Ag	0.51163	-0.10671	1.12997	170.91741	ug/L	10/18/10	22:34	
61963-29 1/10	Al	445.54071	446.13043	444.95098	0.18718	ug/L	10/18/10	22:34	
61963-29 1/10	2Al	0.44557	0.44616	0.44498	0.18718	mg/L	10/18/10	22:34	
61963-29 1/10	As	2.51541	5.79049	-0.75966	184.13131	ug/L	10/18/10	22:34	
61963-29 1/10	B	28.87006	28.49271	29.24741	1.84844	ug/L	10/18/10	22:34	
61963-29 1/10	Ba	3.70081	3.38431	4.01732	12.09473	ug/L	10/18/10	22:34	
61963-29 1/10	Be	0.00452	0.00111	0.00794	106.63161	ug/L	10/18/10	22:34	
61963-29 1/10	Ca	86168.21875	86319.15625	86017.27343	0.24772	ug/L	10/18/10	22:34	
61963-29 1/10	Cd	0.42621	0.26427	0.58815	53.73311	ug/L	10/18/10	22:34	
61963-29 1/10	Co	0.33352	1.01910	-0.35205	290.70010	ug/L	10/18/10	22:34	
61963-29 1/10	Cr	5.49718	5.87482	5.11954	9.71524	ug/L	10/18/10	22:34	
61963-29 1/10	Cu	3.62850	3.34794	3.90906	10.93483	ug/L	10/18/10	22:34	
61963-29 1/10	Fe	381.64324	358.68762	404.59884	8.50640	ug/L	10/18/10	22:34	
61963-29 1/10	2Fe	0.38159	0.35864	0.40454	8.50633	mg/L	10/18/10	22:34	
61963-29 1/10	K	503.11840	494.62493	511.61184	2.38742	ug/L	10/18/10	22:34	
61963-29 1/10	Mg	3276.15283	3283.33081	3268.97509	0.30984	ug/L	10/18/10	22:34	
61963-29 1/10	2Mg	3.27516	3.28234	3.26798	0.31003	mg/L	10/18/10	22:34	
61963-29 1/10	Mn	3.16849	3.19021	3.14678	0.96917	ug/L	10/18/10	22:34	
61963-29 1/10	Mo	1.71102	2.81061	0.61142	90.88531	ug/L	10/18/10	22:34	
61963-29 1/10	Na	9766.70996	9698.03320	9835.38671	0.99443	ug/L	10/18/10	22:34	
61963-29 1/10	Ni	0.71524	0.44214	0.98834	53.99904	ug/L	10/18/10	22:34	
61963-29 1/10	Pb	8.59193	10.10130	7.08256	24.84394	ug/L	10/18/10	22:34	
61963-29 1/10	Se	-0.92891	-0.01447	-1.84335	139.21771	ug/L	10/18/10	22:34	
61963-29 1/10	Sb	-6.91248	-7.54306	-6.28189	12.90100	ug/L	10/18/10	22:34	
61963-29 1/10	Sn	1.31873	0.41342	2.22404	97.08551	ug/L	10/18/10	22:34	
61963-29 1/10	Sr	646.01953	647.94384	644.09527	0.42124	ug/L	10/18/10	22:34	
61963-29 1/10	Ti	8.82460	8.86095	8.78824	0.58255	ug/L	10/18/10	22:34	
61963-29 1/10	Tl	-4.51361	-5.82053	-3.20669	40.94849	ug/L	10/18/10	22:34	
61963-29 1/10	V	3.86679	3.62409	4.10949	8.87639	ug/L	10/18/10	22:34	
61963-29 1/10	Zn	26.74127	26.26586	27.21668	2.51419	ug/L	10/18/10	22:34	
61963-29 1/10	2203/1	9.78135	8.71357	10.84913	15.43823	ug/L	10/18/10	22:34	
61963-29 1/10	2203/2	7.99840	10.79470	5.20210	49.44196	ug/L	10/18/10	22:34	
61963-29 1/10	1960/1	1.61336	1.13158	2.09513	42.23069	ug/L	10/18/10	22:34	
61963-29 1/10	1960/2	-2.19814	-0.58664	-3.80964	103.67857	ug/L	10/18/10	22:34	
61963-29 1/10	Y	1001.71795	1003.67095	999.76495	0.27572		10/18/10	22:34	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-30 1/10	Ag	1.23331	2.04996	0.41666	93.64353	ug/L	10/18/10	22:40	
61963-30 1/10	Al	525.79516	523.48168	528.10858	0.62223	ug/L	10/18/10	22:40	
61963-30 1/10	2Al	0.52583	0.52351	0.52814	0.62222	mg/L	10/18/10	22:40	
61963-30 1/10	As	-0.69744	-2.86519	1.47031	439.56024	ug/L	10/18/10	22:40	
61963-30 1/10	B	27.89698	27.97268	27.82127	0.38378	ug/L	10/18/10	22:40	
61963-30 1/10	Ba	3.84689	3.80508	3.88871	1.53708	ug/L	10/18/10	22:40	
61963-30 1/10	Be	0.06172	0.06592	0.05753	9.60404	ug/L	10/18/10	22:40	
61963-30 1/10	Ca	106989.96875	107581.75781	106398.17187	0.78224	ug/L	10/18/10	22:40	
61963-30 1/10	Cd	0.36695	0.38734	0.34656	7.85943	ug/L	10/18/10	22:40	
61963-30 1/10	Co	0.17252	0.40944	-0.06439	194.20738	ug/L	10/18/10	22:40	
61963-30 1/10	Cr	4.72198	4.70229	4.74168	0.58989	ug/L	10/18/10	22:40	
61963-30 1/10	Cu	1.93751	2.43127	1.44375	36.04017	ug/L	10/18/10	22:40	
61963-30 1/10	Fe	384.81887	398.19897	371.43878	4.91720	ug/L	10/18/10	22:40	
61963-30 1/10	2Fe	0.38477	0.39814	0.37139	4.91721	mg/L	10/18/10	22:40	
61963-30 1/10	K	453.80264	461.83169	445.77359	2.50214	ug/L	10/18/10	22:40	
61963-30 1/10	Mg	5682.84667	5705.49804	5660.19482	0.56370	ug/L	10/18/10	22:40	
61963-30 1/10	2Mg	5.68117	5.70381	5.65853	0.56364	mg/L	10/18/10	22:40	
61963-30 1/10	Mn	5.12141	5.14546	5.09737	0.66403	ug/L	10/18/10	22:40	
61963-30 1/10	Mo	-0.75013	-0.61935	-0.88092	24.65672	ug/L	10/18/10	22:40	
61963-30 1/10	Na	9806.70703	9795.83203	9817.58203	0.15682	ug/L	10/18/10	22:40	
61963-30 1/10	Ni	0.59421	0.36602	0.82240	54.30860	ug/L	10/18/10	22:40	
61963-30 1/10	Pb	5.06171	4.83237	5.29105	6.40768	ug/L	10/18/10	22:40	
61963-30 1/10	Se	3.10153	4.35398	1.84908	57.10823	ug/L	10/18/10	22:40	
61963-30 1/10	Sb	-3.40609	-0.80059	-6.01158	108.18061	ug/L	10/18/10	22:40	
61963-30 1/10	Sn	1.22560	2.38352	0.06768	133.61160	ug/L	10/18/10	22:40	
61963-30 1/10	Sr	906.39660	912.75897	900.03430	0.99268	ug/L	10/18/10	22:40	
61963-30 1/10	Ti	7.32380	7.31951	7.32809	0.08279	ug/L	10/18/10	22:40	
61963-30 1/10	Tl	-6.92866	-2.23724	-11.62008	95.75679	ug/L	10/18/10	22:40	
61963-30 1/10	V	3.16088	3.25420	3.06757	4.17499	ug/L	10/18/10	22:40	
61963-30 1/10	Zn	11.05960	11.06602	11.05318	0.08210	ug/L	10/18/10	22:40	
61963-30 1/10	2203/1	6.86999	8.10607	5.63390	25.44529	ug/L	10/18/10	22:40	
61963-30 1/10	2203/2	4.15893	3.19797	5.11989	32.67662	ug/L	10/18/10	22:40	
61963-30 1/10	1960/1	12.52984	12.20296	12.85672	3.68938	ug/L	10/18/10	22:40	
61963-30 1/10	1960/2	-1.60555	0.43537	-3.64648	179.77079	ug/L	10/18/10	22:40	
61963-30 1/10	Y	1009.96191	1009.39495	1010.52893	0.07939		10/18/10	22:40	
61963-30S 1/10	Ag	5.46888	5.15281	5.78494	8.17332	ug/L	10/18/10	22:45	
61963-30S 1/10	Al	838.09564	837.77539	838.41589	0.05403	ug/L	10/18/10	22:45	
61963-30S 1/10	2Al	0.83815	0.83783	0.83847	0.05403	mg/L	10/18/10	22:45	
61963-30S 1/10	As	209.78695	206.43260	213.14129	2.26122	ug/L	10/18/10	22:45	
61963-30S 1/10	B	126.38938	125.72560	127.05316	0.74272	ug/L	10/18/10	22:45	
61963-30S 1/10	Ba	214.51405	214.83731	214.19079	0.21311	ug/L	10/18/10	22:45	
61963-30S 1/10	Be	5.34896	5.34433	5.35359	0.12233	ug/L	10/18/10	22:45	
61963-30S 1/10	Ca	103254.28906	103245.74218	103262.83593	0.01170	ug/L	10/18/10	22:45	
61963-30S 1/10	Cd	5.29397	5.09537	5.49257	5.30540	ug/L	10/18/10	22:45	
61963-30S 1/10	Co	52.97198	54.15480	51.78916	3.15781	ug/L	10/18/10	22:45	
61963-30S 1/10	Cr	23.27106	22.72310	23.81902	3.33005	ug/L	10/18/10	22:45	
61963-30S 1/10	Cu	28.52806	28.15746	28.89866	1.83717	ug/L	10/18/10	22:45	
61963-30S 1/10	Fe	512.31756	503.23635	521.39874	2.50679	ug/L	10/18/10	22:45	
61963-30S 1/10	2Fe	0.51227	0.50319	0.52135	2.50659	mg/L	10/18/10	22:45	
61963-30S 1/10	K	981.36706	978.84368	983.89038	0.36363	ug/L	10/18/10	22:45	
61963-30S 1/10	Mg	6183.60986	6178.63867	6188.58105	0.11369	ug/L	10/18/10	22:45	
61963-30S 1/10	2Mg	6.18180	6.17683	6.18676	0.11366	mg/L	10/18/10	22:45	
61963-30S 1/10	Mn	59.26974	59.40765	59.13183	0.32905	ug/L	10/18/10	22:45	
61963-30S 1/10	Mo	50.18846	49.22490	51.15203	2.71513	ug/L	10/18/10	22:45	
61963-30S 1/10	Na	10568.40429	10588.80566	10548.00195	0.27300	ug/L	10/18/10	22:45	
61963-30S 1/10	Ni	55.05926	55.59996	54.51856	1.38879	ug/L	10/18/10	22:45	
61963-30S 1/10	Pb	53.32388	54.82768	51.82008	3.98825	ug/L	10/18/10	22:45	
61963-30S 1/10	Se	213.78906	215.51809	212.06001	1.14376	ug/L	10/18/10	22:45	
61963-30S 1/10	Sb	47.95548	50.26245	45.64851	6.80328	ug/L	10/18/10	22:45	
61963-30S 1/10	Sn	103.02097	104.19435	101.84759	1.61074	ug/L	10/18/10	22:45	
61963-30S 1/10	Sr	929.84515	930.93829	928.75201	0.16625	ug/L	10/18/10	22:45	
61963-30S 1/10	Ti	110.24563	110.28002	110.21125	0.04410	ug/L	10/18/10	22:45	
61963-30S 1/10	Tl	213.86607	218.17066	209.56147	2.84646	ug/L	10/18/10	22:45	
61963-30S 1/10	V	55.29657	54.71746	55.87568	1.48107	ug/L	10/18/10	22:45	
61963-30S 1/10	Zn	64.49630	64.32711	64.66550	0.37099	ug/L	10/18/10	22:45	
61963-30S 1/10	2203/1	57.60435	56.78116	58.42753	2.02095	ug/L	10/18/10	22:45	
61963-30S 1/10	2203/2	51.18685	53.85240	48.52131	7.36449	ug/L	10/18/10	22:45	
61963-30S 1/10	1960/1	221.58789	220.32173	222.85403	0.80808	ug/L	10/18/10	22:45	
61963-30S 1/10	1960/2	209.89549	213.11988	206.67109	2.17250	ug/L	10/18/10	22:45	
61963-30S 1/10	Y	1007.92797	1007.02795	1008.82794	0.12627		10/18/10	22:45	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-30SD 1/10	Ag	5.57193	5.68931	5.45454	2.97927	ug/L	10/18/10	22:50	
61963-30SD 1/10	Al	908.27130	918.40771	898.13488	1.57827	ug/L	10/18/10	22:50	
61963-30SD 1/10	2Al	0.90833	0.91846	0.89819	1.57827	mg/L	10/18/10	22:50	
61963-30SD 1/10	As	216.66574	215.66952	217.66197	0.65025	ug/L	10/18/10	22:50	
61963-30SD 1/10	B	133.32937	133.58338	133.07537	0.26942	ug/L	10/18/10	22:50	
61963-30SD 1/10	Ba	218.39581	219.62907	217.16253	0.79859	ug/L	10/18/10	22:50	
61963-30SD 1/10	Be	5.45446	5.46451	5.44441	0.26054	ug/L	10/18/10	22:50	
61963-30SD 1/10	Ca	91233.17968	91584.66406	90881.69531	0.54483	ug/L	10/18/10	22:50	
61963-30SD 1/10	Cd	5.50493	5.31913	5.69072	4.77316	ug/L	10/18/10	22:50	
61963-30SD 1/10	Co	54.49100	54.28307	54.69893	0.53964	ug/L	10/18/10	22:50	
61963-30SD 1/10	Cr	23.95450	24.16388	23.74512	1.23612	ug/L	10/18/10	22:50	
61963-30SD 1/10	Cu	28.69595	28.07250	29.31940	3.07252	ug/L	10/18/10	22:50	
61963-30SD 1/10	Fe	542.18786	522.96203	561.41369	5.01476	ug/L	10/18/10	22:50	
61963-30SD 1/10	2Fe	0.54214	0.52291	0.56136	5.01458	mg/L	10/18/10	22:50	
61963-30SD 1/10	K	1025.47204	1017.14855	1033.79553	1.14787	ug/L	10/18/10	22:50	
61963-30SD 1/10	Mg	6626.03027	6650.03125	6602.02978	0.51225	ug/L	10/18/10	22:50	
61963-30SD 1/10	2Mg	6.62409	6.64808	6.60009	0.51234	mg/L	10/18/10	22:50	
61963-30SD 1/10	Mn	60.25706	60.46852	60.04560	0.49628	ug/L	10/18/10	22:50	
61963-30SD 1/10	Mo	52.03739	51.52833	52.54644	1.38343	ug/L	10/18/10	22:50	
61963-30SD 1/10	Na	11318.04492	11277.67773	11358.41308	0.50440	ug/L	10/18/10	22:50	
61963-30SD 1/10	Ni	54.63800	54.82794	54.44805	0.49164	ug/L	10/18/10	22:50	
61963-30SD 1/10	Pb	58.20323	59.23389	57.17258	2.50427	ug/L	10/18/10	22:50	
61963-30SD 1/10	Se	219.41172	219.43582	219.38763	0.01552	ug/L	10/18/10	22:50	
61963-30SD 1/10	Sb	47.28382	47.42381	47.14382	0.41871	ug/L	10/18/10	22:50	
61963-30SD 1/10	Sn	108.16415	104.79806	111.53023	4.40105	ug/L	10/18/10	22:50	
61963-30SD 1/10	Sr	839.77014	844.62664	834.91357	0.81786	ug/L	10/18/10	22:50	
61963-30SD 1/10	Ti	112.81428	113.29694	112.33162	0.60504	ug/L	10/18/10	22:50	
61963-30SD 1/10	Tl	217.72172	221.13650	214.30694	2.21807	ug/L	10/18/10	22:50	
61963-30SD 1/10	V	56.06903	55.46768	56.67037	1.51676	ug/L	10/18/10	22:50	
61963-30SD 1/10	Zn	67.09815	67.14760	67.04871	0.10421	ug/L	10/18/10	22:50	
61963-30SD 1/10	2203/1	62.89087	61.21137	64.57037	3.77665	ug/L	10/18/10	22:50	
61963-30SD 1/10	2203/2	55.86293	58.24664	53.47923	6.03452	ug/L	10/18/10	22:50	
61963-30SD 1/10	1960/1	232.82843	231.71255	233.94429	0.67778	ug/L	10/18/10	22:50	
61963-30SD 1/10	1960/2	212.71343	213.30665	212.12022	0.39439	ug/L	10/18/10	22:50	
61963-30SD 1/10	Y	1015.44750	1015.19097	1015.70397	0.03572		10/18/10	22:50	
61963-37 1/10	Ag	0.39290	0.59846	0.18734	73.98851	ug/L	10/18/10	22:55	
61963-37 1/10	Al	1817.69189	1826.05432	1809.32934	0.65062	ug/L	10/18/10	22:55	
61963-37 1/10	2Al	1.81761	1.82597	1.80924	0.65069	mg/L	10/18/10	22:55	
61963-37 1/10	As	3.27123	5.28101	1.26145	86.88629	ug/L	10/18/10	22:55	
61963-37 1/10	B	18.00418	17.52388	18.48448	3.77273	ug/L	10/18/10	22:55	
61963-37 1/10	Ba	6.10367	6.08815	6.11918	0.35952	ug/L	10/18/10	22:55	
61963-37 1/10	Be	0.06252	0.05366	0.07139	20.04742	ug/L	10/18/10	22:55	
61963-37 1/10	Ca	207915.59375	208678.75000	207152.45312	0.51908	ug/L	10/18/10	22:55	
61963-37 1/10	Cd	-0.26687	-0.47861	-0.05513	112.20216	ug/L	10/18/10	22:55	
61963-37 1/10	Co	1.62003	2.20810	1.03197	51.33512	ug/L	10/18/10	22:55	
61963-37 1/10	Cr	7.19389	7.30721	7.08056	2.22784	ug/L	10/18/10	22:55	
61963-37 1/10	Cu	14.60938	14.69183	14.52693	0.79813	ug/L	10/18/10	22:55	
61963-37 1/10	Fe	2428.37109	2422.29736	2434.44506	0.35372	ug/L	10/18/10	22:55	
61963-37 1/10	2Fe	2.42806	2.42199	2.43413	0.35371	mg/L	10/18/10	22:55	
61963-37 1/10	K	289.94683	281.96096	297.93267	3.89509	ug/L	10/18/10	22:55	
61963-37 1/10	Mg	2237.06787	2245.82910	2228.30688	0.55385	ug/L	10/18/10	22:55	
61963-37 1/10	2Mg	2.23601	2.24477	2.22725	0.55401	mg/L	10/18/10	22:55	
61963-37 1/10	Mn	19.35132	19.42682	19.27581	0.55177	ug/L	10/18/10	22:55	
61963-37 1/10	Mo	1.00739	1.13960	0.87517	18.56089	ug/L	10/18/10	22:55	
61963-37 1/10	Na	3991.91186	3930.83251	4052.99121	2.16385	ug/L	10/18/10	22:55	
61963-37 1/10	Ni	1.57973	0.69592	2.46354	79.12053	ug/L	10/18/10	22:55	
61963-37 1/10	Pb	36.51109	39.02883	33.99335	9.75215	ug/L	10/18/10	22:55	
61963-37 1/10	Se	4.83141	5.75643	3.90639	27.07643	ug/L	10/18/10	22:55	
61963-37 1/10	Sb	-2.32951	-3.11263	-1.54639	47.54204	ug/L	10/18/10	22:55	
61963-37 1/10	Sn	0.99168	0.34419	1.63918	92.33707	ug/L	10/18/10	22:55	
61963-37 1/10	Sr	2017.04003	2023.59265	2010.48754	0.45942	ug/L	10/18/10	22:55	
61963-37 1/10	Ti	80.91577	81.07686	80.75469	0.28154	ug/L	10/18/10	22:55	
61963-37 1/10	Tl	-4.66375	-6.43809	-2.88941	53.80410	ug/L	10/18/10	22:55	
61963-37 1/10	V	8.63755	7.74214	9.53296	14.66044	ug/L	10/18/10	22:55	
61963-37 1/10	Zn	173.68243	174.08290	173.28195	0.32608	ug/L	10/18/10	22:55	
61963-37 1/10	2203/1	39.52491	40.88555	38.16428	4.86838	ug/L	10/18/10	22:55	
61963-37 1/10	2203/2	35.00643	38.10186	31.91101	12.50508	ug/L	10/18/10	22:55	
61963-37 1/10	1960/1	6.27826	4.29002	8.26651	44.78626	ug/L	10/18/10	22:55	
61963-37 1/10	1960/2	4.10907	6.48853	1.72960	81.89376	ug/L	10/18/10	22:55	
61963-37 1/10	Y	1001.69543	1001.82592	1001.56494	0.01842		10/18/10	22:55	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-38 1/10	Ag	0.92370	0.71776	1.12964	31.53007	ug/L	10/18/10	23:01	
61963-38 1/10	Al	1207.16345	1222.26220	1192.06469	1.76884	ug/L	10/18/10	23:01	
61963-38 1/10	2Al	1.20724	1.22234	1.19214	1.76883	mg/L	10/18/10	23:01	
61963-38 1/10	As	2.40153	2.37406	2.42900	1.61784	ug/L	10/18/10	23:01	
61963-38 1/10	B	18.76594	18.34636	19.18551	3.16194	ug/L	10/18/10	23:01	
61963-38 1/10	Ba	8.86862	8.78782	8.94943	1.28855	ug/L	10/18/10	23:01	
61963-38 1/10	Be	0.10655	0.08853	0.12457	23.91282	ug/L	10/18/10	23:01	
61963-38 1/10	Ca	236489.82812	239505.59375	233474.06250	1.80343	ug/L	10/18/10	23:01	
61963-38 1/10	Cd	-0.11294	-0.16278	-0.06311	62.39516	ug/L	10/18/10	23:01	
61963-38 1/10	Co	0.23233	0.00599	0.45867	137.77516	ug/L	10/18/10	23:01	
61963-38 1/10	Cr	3.90195	3.87914	3.92477	0.82689	ug/L	10/18/10	23:01	
61963-38 1/10	Cu	7.22446	7.71815	6.73076	9.66420	ug/L	10/18/10	23:01	
61963-38 1/10	Fe	898.62194	903.11553	894.12841	0.70717	ug/L	10/18/10	23:01	
61963-38 1/10	2Fe	0.89850	0.90300	0.89401	0.70715	mg/L	10/18/10	23:01	
61963-38 1/10	K	267.68017	259.73916	275.62118	4.19541	ug/L	10/18/10	23:01	
61963-38 1/10	Mg	4104.42919	4157.53955	4051.31860	1.82996	ug/L	10/18/10	23:01	
61963-38 1/10	2Mg	4.10311	4.15621	4.05002	1.83000	mg/L	10/18/10	23:01	
61963-38 1/10	Mn	17.64938	17.89918	17.39958	2.00158	ug/L	10/18/10	23:01	
61963-38 1/10	Mo	-0.71439	-1.86334	0.43454	227.44406	ug/L	10/18/10	23:01	
61963-38 1/10	Na	3240.78759	3379.18139	3102.39355	6.03922	ug/L	10/18/10	23:01	
61963-38 1/10	Ni	1.14955	0.25091	2.04820	110.55357	ug/L	10/18/10	23:01	
61963-38 1/10	Pb	12.08270	11.92484	12.24057	1.84772	ug/L	10/18/10	23:01	
61963-38 1/10	Se	0.21229	2.05667	-1.63208	1228.62109	ug/L	10/18/10	23:01	
61963-38 1/10	Sb	-0.69928	-6.38238	4.98381	1149.33361	ug/L	10/18/10	23:01	
61963-38 1/10	Sn	5.02107	2.24075	7.80139	78.30937	ug/L	10/18/10	23:01	
61963-38 1/10	Sr	2426.66943	2460.70385	2392.63525	1.98344	ug/L	10/18/10	23:01	
61963-38 1/10	Ti	17.76033	18.14189	17.37877	3.03824	ug/L	10/18/10	23:01	
61963-38 1/10	Tl	-3.00174	-7.49991	1.49641	211.92196	ug/L	10/18/10	23:01	
61963-38 1/10	V	2.14350	1.73033	2.55666	27.25943	ug/L	10/18/10	23:01	
61963-38 1/10	Zn	26.36216	26.75458	25.96974	2.10515	ug/L	10/18/10	23:01	
61963-38 1/10	2203/1	16.82864	14.32300	19.33428	21.05640	ug/L	10/18/10	23:01	
61963-38 1/10	2203/2	9.71329	10.72756	8.69903	14.76718	ug/L	10/18/10	23:01	
61963-38 1/10	1960/1	7.04072	1.67337	12.40807	107.80957	ug/L	10/18/10	23:01	
61963-38 1/10	1960/2	-3.19679	2.24804	-8.64163	240.87123	ug/L	10/18/10	23:01	
61963-38 1/10	Y	999.95843	999.90893	1000.00793	0.00700		10/18/10	23:01	
61963-39 1/10	Ag	1.10475	1.07670	1.13279	3.59026	ug/L	10/18/10	23:06	
61963-39 1/10	Al	191.53012	195.11253	187.94769	2.64517	ug/L	10/18/10	23:06	
61963-39 1/10	2Al	0.19154	0.19512	0.18796	2.64517	mg/L	10/18/10	23:06	
61963-39 1/10	As	2.00763	-0.28125	4.29653	161.23324	ug/L	10/18/10	23:06	
61963-39 1/10	B	22.39696	20.76353	24.03038	10.31394	ug/L	10/18/10	23:06	
61963-39 1/10	Ba	9.52801	9.52362	9.53240	0.06516	ug/L	10/18/10	23:06	
61963-39 1/10	Be	0.10961	0.08681	0.13241	29.41929	ug/L	10/18/10	23:06	
61963-39 1/10	Ca	284761.15625	285633.12500	283889.18750	0.43304	ug/L	10/18/10	23:06	
61963-39 1/10	Cd	0.25424	0.29076	0.21772	20.31516	ug/L	10/18/10	23:06	
61963-39 1/10	Co	-0.27050	-0.15531	-0.38568	60.21817	ug/L	10/18/10	23:06	
61963-39 1/10	Cr	3.64065	3.62209	3.65922	0.72114	ug/L	10/18/10	23:06	
61963-39 1/10	Cu	1.84242	2.11187	1.57297	20.68276	ug/L	10/18/10	23:06	
61963-39 1/10	Fe	420.45928	407.53378	433.38476	4.34748	ug/L	10/18/10	23:06	
61963-39 1/10	2Fe	0.42040	0.40748	0.43332	4.34749	mg/L	10/18/10	23:06	
61963-39 1/10	K	192.50405	191.73590	193.27221	0.56432	ug/L	10/18/10	23:06	
61963-39 1/10	Mg	4929.81640	4947.45263	4912.17968	0.50593	ug/L	10/18/10	23:06	
61963-39 1/10	2Mg	4.92836	4.94599	4.91072	0.50601	mg/L	10/18/10	23:06	
61963-39 1/10	Mn	27.21745	27.29082	27.14408	0.38123	ug/L	10/18/10	23:06	
61963-39 1/10	Mo	-1.33590	0.34738	-3.01919	178.19619	ug/L	10/18/10	23:06	
61963-39 1/10	Na	3792.52734	3886.14892	3698.90551	3.49110	ug/L	10/18/10	23:06	
61963-39 1/10	Ni	0.43031	-0.10858	0.96921	177.10714	ug/L	10/18/10	23:06	
61963-39 1/10	Pb	13.21935	13.50049	12.93820	3.00775	ug/L	10/18/10	23:06	
61963-39 1/10	Se	1.14545	0.38558	1.90532	93.81554	ug/L	10/18/10	23:06	
61963-39 1/10	Sb	-1.19731	0.23487	-2.62950	169.16349	ug/L	10/18/10	23:06	
61963-39 1/10	Sn	6.33178	3.21939	9.44418	69.51576	ug/L	10/18/10	23:06	
61963-39 1/10	Sr	3623.58496	3641.58129	3605.58837	0.70236	ug/L	10/18/10	23:06	
61963-39 1/10	Ti	5.16387	5.22510	5.10263	1.67701	ug/L	10/18/10	23:06	
61963-39 1/10	Tl	-5.35551	-8.06217	-2.64884	71.47400	ug/L	10/18/10	23:06	
61963-39 1/10	V	2.35844	2.00304	2.71383	21.31086	ug/L	10/18/10	23:06	
61963-39 1/10	Zn	26.15811	25.89340	26.42282	1.43114	ug/L	10/18/10	23:06	
61963-39 1/10	2203/1	19.13728	17.75237	20.52219	10.23426	ug/L	10/18/10	23:06	
61963-39 1/10	2203/2	10.26481	11.37775	9.15188	15.33319	ug/L	10/18/10	23:06	
61963-39 1/10	1960/1	12.00841	14.00879	10.00804	23.55810	ug/L	10/18/10	23:06	
61963-39 1/10	1960/2	-4.27788	-6.41580	-2.13996	70.67691	ug/L	10/18/10	23:06	
61963-39 1/10	Y	996.57446	995.46295	997.68597	0.15773		10/18/10	23:06	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	504.21722	503.23431	505.20013	0.27568	ug/L	10/18/10	23:11	
CCV	Al	5028.65820	5018.48828	5038.82812	0.28600	ug/L	10/18/10	23:11	
CCV	2Al	5.02884	5.01857	5.03911	0.28880	mg/L	10/18/10	23:11	
CCV	As	508.05581	509.27667	506.83496	0.33983	ug/L	10/18/10	23:11	
CCV	B	5091.59130	5079.98242	5103.20019	0.32244	ug/L	10/18/10	23:11	
CCV	Ba	5023.18847	5021.25830	5025.11914	0.05434	ug/L	10/18/10	23:11	
CCV	Be	513.00085	512.29058	513.71118	0.19581	ug/L	10/18/10	23:11	
CCV	Ca	5060.34765	5050.48486	5070.21093	0.27564	ug/L	10/18/10	23:11	
CCV	Cd	503.87951	503.67269	504.08630	0.05804	ug/L	10/18/10	23:11	
CCV	Co	514.67913	513.69793	515.66033	0.26961	ug/L	10/18/10	23:11	
CCV	Cr	5093.35253	5084.96240	5101.74218	0.23295	ug/L	10/18/10	23:11	
CCV	Cu	5036.57128	5035.12353	5038.01953	0.04065	ug/L	10/18/10	23:11	
CCV	Fe	5101.71435	5087.32324	5116.10546	0.39892	ug/L	10/18/10	23:11	
CCV	2Fe	5.10171	5.08732	5.11610	0.39890	mg/L	10/18/10	23:11	
CCV	K	9624.79296	9623.15722	9626.42968	0.02404	ug/L	10/18/10	23:11	
CCV	Mg	5229.52539	5214.60839	5244.44287	0.40340	ug/L	10/18/10	23:11	
CCV	2Mg	5.22949	5.21458	5.24441	0.40329	mg/L	10/18/10	23:11	
CCV	Mn	5120.43701	5115.19238	5125.68164	0.14485	ug/L	10/18/10	23:11	
CCV	Mo	497.33367	496.85348	497.81390	0.13655	ug/L	10/18/10	23:11	
CCV	Na	7308.72070	7276.62988	7340.81152	0.62094	ug/L	10/18/10	23:11	
CCV	Ni	2573.64868	2575.50073	2571.79663	0.10176	ug/L	10/18/10	23:11	
CCV	Pb	516.66809	517.99163	515.34460	0.36227	ug/L	10/18/10	23:11	
CCV	Se	5058.13671	5068.51513	5047.75781	0.29017	ug/L	10/18/10	23:11	
CCV	Sb	502.41232	501.58502	503.23962	0.23287	ug/L	10/18/10	23:11	
CCV	Sn	5118.21484	5107.69140	5128.73779	0.29076	ug/L	10/18/10	23:11	
CCV	Sr	2509.39428	2511.83227	2506.95629	0.13739	ug/L	10/18/10	23:11	
CCV	Ti	505.10626	504.46701	505.74554	0.17898	ug/L	10/18/10	23:11	
CCV	Tl	5023.92773	5023.00683	5024.84912	0.02592	ug/L	10/18/10	23:11	
CCV	V	5121.97802	5117.57812	5126.37792	0.12148	ug/L	10/18/10	23:11	
CCV	Zn	2592.11083	2587.18188	2597.03955	0.26890	ug/L	10/18/10	23:11	
CCV	2203/1	525.77929	528.24035	523.31817	0.66197	ug/L	10/18/10	23:11	
CCV	2203/2	512.11938	512.87500	511.36383	0.20865	ug/L	10/18/10	23:11	
CCV	1960/1	5165.62207	5171.13378	5160.10986	0.15090	ug/L	10/18/10	23:11	
CCV	1960/2	5004.47460	5017.28271	4991.66601	0.36195	ug/L	10/18/10	23:11	
CCV	Y	1009.73693	1008.84594	1010.62792	0.12479		10/18/10	23:11	
CCB	Ag	0.03583	-0.28187	0.35354	1253.83178	ug/L	10/18/10	23:16	
CCB	Al	-8.26663	-15.47788	-1.05537	123.36644	ug/L	10/18/10	23:16	
CCB	2Al	-0.00826	-0.01547	-0.00105	123.36624	mg/L	10/18/10	23:16	
CCB	As	-0.28986	0.91098	-1.49071	585.88092	ug/L	10/18/10	23:16	
CCB	B	9.21781	8.79284	9.64279	6.52006	ug/L	10/18/10	23:16	
CCB	Ba	1.42987	0.08912	2.77061	132.60618	ug/L	10/18/10	23:16	
CCB	Be	0.11351	0.00743	0.21959	132.15769	ug/L	10/18/10	23:16	
CCB	Ca	5.56907	3.25911	7.87902	58.65914	ug/L	10/18/10	23:16	
CCB	Cd	-0.23202	-0.49679	0.03274	161.38114	ug/L	10/18/10	23:16	
CCB	Co	-0.20656	-0.23756	-0.17557	21.21917	ug/L	10/18/10	23:16	
CCB	Cr	1.16274	-0.70647	3.03196	227.34701	ug/L	10/18/10	23:16	
CCB	Cu	1.43478	-0.17464	3.04421	158.63514	ug/L	10/18/10	23:16	
CCB	Fe	-16.38461	-17.68522	-15.08399	11.22604	ug/L	10/18/10	23:16	
CCB	2Fe	-0.01638	-0.01768	-0.01508	11.22759	mg/L	10/18/10	23:16	
CCB	K	-1.27029	-7.77843	5.23783	724.54589	ug/L	10/18/10	23:16	
CCB	Mg	-5.77439	-11.72494	0.17615	145.73553	ug/L	10/18/10	23:16	
CCB	2Mg	-0.00576	-0.01171	0.00018	145.83503	mg/L	10/18/10	23:16	
CCB	Mn	1.43234	0.02766	2.83702	138.68986	ug/L	10/18/10	23:16	
CCB	Mo	-1.48181	-1.57044	-1.39319	8.45807	ug/L	10/18/10	23:16	
CCB	Na	142.13774	250.64738	33.62808	107.96275	ug/L	10/18/10	23:16	
CCB	Ni	-0.01225	-0.62611	0.60160	7085.12158	ug/L	10/18/10	23:16	
CCB	Pb	-2.29553	-1.71917	-2.87188	35.50771	ug/L	10/18/10	23:16	
CCB	Se	2.23798	2.30357	2.17238	4.14507	ug/L	10/18/10	23:16	
CCB	Sb	-1.55668	-5.16395	2.05057	327.71115	ug/L	10/18/10	23:16	
CCB	Sn	1.59897	-1.10477	4.30273	239.13311	ug/L	10/18/10	23:16	
CCB	Sr	0.69514	0.03036	1.35992	135.24295	ug/L	10/18/10	23:16	
CCB	Ti	-0.06410	-0.47721	0.34900	911.37103	ug/L	10/18/10	23:16	
CCB	Tl	-4.31740	-0.35959	-8.27521	129.64245	ug/L	10/18/10	23:16	
CCB	V	0.30263	-1.52790	2.13318	855.40832	ug/L	10/18/10	23:16	
CCB	Zn	1.13352	-0.11611	2.38316	155.90762	ug/L	10/18/10	23:16	
CCB	2203/1	-1.01196	2.72909	-4.75302	522.81085	ug/L	10/18/10	23:16	
CCB	2203/2	-2.93635	-3.93997	-1.93273	48.33670	ug/L	10/18/10	23:16	
CCB	1960/1	7.95511	6.94767	8.96255	17.90970	ug/L	10/18/10	23:16	
CCB	1960/2	-0.61629	-0.01498	-1.21760	137.98225	ug/L	10/18/10	23:16	
CCB	Y	1017.88647	1016.71197	1019.06097	0.16318		10/18/10	23:16	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 183096	Ag	-0.10836	-0.10851	-0.10821	0.19275	ug/L	10/18/10	23:21	
PBW 183096	Al	-7.08034	-3.38398	-10.77670	73.83038	ug/L	10/18/10	23:21	
PBW 183096	2Al	-0.00708	-0.00338	-0.01077	73.83056	mg/L	10/18/10	23:21	
PBW 183096	As	0.14311	1.23084	-0.94462	1074.88342	ug/L	10/18/10	23:21	
PBW 183096	B	0.85940	1.20699	0.51181	57.19833	ug/L	10/18/10	23:21	
PBW 183096	Ba	0.06769	-0.09901	0.23439	348.27258	ug/L	10/18/10	23:21	
PBW 183096	Be	0.01698	-0.00885	0.04283	215.18070	ug/L	10/18/10	23:21	
PBW 183096	Ca	10.31641	10.23500	10.39783	1.11608	ug/L	10/18/10	23:21	
PBW 183096	Cd	-0.09347	-0.27240	0.08545	270.71542	ug/L	10/18/10	23:21	
PBW 183096	Co	-0.37599	-0.20614	-0.54584	63.88578	ug/L	10/18/10	23:21	
PBW 183096	Cr	0.28560	0.23942	0.33178	22.86718	ug/L	10/18/10	23:21	
PBW 183096	Cu	0.54995	1.19099	-0.09107	164.84216	ug/L	10/18/10	23:21	
PBW 183096	Fe	3.59055	-25.09313	32.27423	1129.76684	ug/L	10/18/10	23:21	
PBW 183096	2Fe	0.00358	-0.02509	0.03226	1129.83117	mg/L	10/18/10	23:21	
PBW 183096	K	8.82633	-0.06250	17.71517	142.42285	ug/L	10/18/10	23:21	
PBW 183096	Mg	-7.25797	-8.74509	-5.77085	28.97649	ug/L	10/18/10	23:21	
PBW 183096	2Mg	-0.00725	-0.00873	-0.00577	28.87473	mg/L	10/18/10	23:21	
PBW 183096	Mn	-0.04269	0.05495	-0.14034	323.48321	ug/L	10/18/10	23:21	
PBW 183096	Mo	-0.48169	-1.65288	0.68948	343.84747	ug/L	10/18/10	23:21	
PBW 183096	Na	163.53897	98.26178	228.81616	56.44885	ug/L	10/18/10	23:21	
PBW 183096	Ni	-0.75638	-1.30157	-0.21119	101.93385	ug/L	10/18/10	23:21	
PBW 183096	Pb	-0.02999	1.38718	-1.44716	6682.10156	ug/L	10/18/10	23:21	
PBW 183096	Se	2.63539	0.79215	4.47863	98.91251	ug/L	10/18/10	23:21	
PBW 183096	Sb	-2.84345	-1.35141	-4.33549	74.20779	ug/L	10/18/10	23:21	
PBW 183096	Sn	-0.73980	-1.75226	0.27265	193.54139	ug/L	10/18/10	23:21	
PBW 183096	Sr	-0.08077	-0.07700	-0.08454	6.60369	ug/L	10/18/10	23:21	
PBW 183096	Ti	-0.33892	-0.25082	-0.42703	36.76293	ug/L	10/18/10	23:21	
PBW 183096	Tl	-3.22762	-2.12679	-4.32846	48.23410	ug/L	10/18/10	23:21	
PBW 183096	V	-0.78350	-1.40140	-0.16560	111.53041	ug/L	10/18/10	23:21	
PBW 183096	Zn	2.31844	1.99471	2.64218	19.74724	ug/L	10/18/10	23:21	
PBW 183096	2203/1	-0.63395	-0.32813	-0.93977	68.22219	ug/L	10/18/10	23:21	
PBW 183096	2203/2	0.27153	2.24355	-1.70048	1027.07495	ug/L	10/18/10	23:21	
PBW 183096	1960/1	4.08155	-3.79298	11.95610	272.84408	ug/L	10/18/10	23:21	
PBW 183096	1960/2	1.91340	3.08129	0.74551	86.31983	ug/L	10/18/10	23:21	
PBW 183096	Y	1018.03942	1019.33996	1016.73895	0.18066		10/18/10	23:21	
LCSW-1	Ag	43.90760	43.80032	44.01488	0.34552	ug/L	10/18/10	23:27	
LCSW-1	Al	1985.09277	1985.53894	1984.64672	0.03178	ug/L	10/18/10	23:27	
LCSW-1	2Al	1.98512	1.98566	1.98457	0.03886	mg/L	10/18/10	23:27	
LCSW-1	As	1998.14575	1995.69006	2000.60131	0.17380	ug/L	10/18/10	23:27	
LCSW-1	B	971.74731	970.88360	972.61096	0.12569	ug/L	10/18/10	23:27	
LCSW-1	Ba	2012.68603	2012.39074	2012.98120	0.02074	ug/L	10/18/10	23:27	
LCSW-1	Be	50.21672	50.13495	50.29848	0.23027	ug/L	10/18/10	23:27	
LCSW-1	Ca	4998.80126	4994.39208	5003.21044	0.12474	ug/L	10/18/10	23:27	
LCSW-1	Cd	50.55085	50.56601	50.53569	0.04241	ug/L	10/18/10	23:27	
LCSW-1	Co	512.36950	511.48577	513.25329	0.24393	ug/L	10/18/10	23:27	
LCSW-1	Cr	202.44790	202.97248	201.92333	0.36644	ug/L	10/18/10	23:27	
LCSW-1	Cu	250.19854	250.22964	250.16744	0.01757	ug/L	10/18/10	23:27	
LCSW-1	Fe	1014.58520	997.13909	1032.03125	2.43177	ug/L	10/18/10	23:27	
LCSW-1	2Fe	1.01467	0.99722	1.03211	2.43132	mg/L	10/18/10	23:27	
LCSW-1	K	4705.33300	4699.93701	4710.72949	0.16218	ug/L	10/18/10	23:27	
LCSW-1	Mg	5028.83544	5029.24072	5028.43017	0.01139	ug/L	10/18/10	23:27	
LCSW-1	2Mg	5.02746	5.02787	5.02706	0.01148	mg/L	10/18/10	23:27	
LCSW-1	Mn	508.73071	509.11108	508.35034	0.10573	ug/L	10/18/10	23:27	
LCSW-1	Mo	488.85092	488.61480	489.08703	0.06830	ug/L	10/18/10	23:27	
LCSW-1	Na	4921.39208	4883.16699	4959.61718	1.09843	ug/L	10/18/10	23:27	
LCSW-1	Ni	508.15539	506.71704	509.59378	0.40030	ug/L	10/18/10	23:27	
LCSW-1	Pb	505.81567	505.49758	506.13375	0.08893	ug/L	10/18/10	23:27	
LCSW-1	Se	2005.67285	2009.26379	2002.08178	0.25320	ug/L	10/18/10	23:27	
LCSW-1	Sb	478.38201	479.36700	477.39703	0.29118	ug/L	10/18/10	23:27	
LCSW-1	Sn	994.71057	994.63739	994.78375	0.01040	ug/L	10/18/10	23:27	
LCSW-1	Sr	492.48620	491.73889	493.23355	0.21460	ug/L	10/18/10	23:27	
LCSW-1	Ti	982.72631	981.79968	983.65289	0.13334	ug/L	10/18/10	23:27	
LCSW-1	Tl	2032.17309	2029.15869	2035.18737	0.20977	ug/L	10/18/10	23:27	
LCSW-1	V	504.59451	503.41525	505.77377	0.33050	ug/L	10/18/10	23:27	
LCSW-1	Zn	518.82800	518.15588	519.50012	0.18320	ug/L	10/18/10	23:27	
LCSW-1	2203/1	508.84985	510.46405	507.23565	0.44862	ug/L	10/18/10	23:27	
LCSW-1	2203/2	504.30084	503.01806	505.58364	0.35973	ug/L	10/18/10	23:27	
LCSW-1	1960/1	2047.56054	2044.28454	2050.83666	0.22627	ug/L	10/18/10	23:27	
LCSW-1	1960/2	1984.75976	1991.77905	1977.74035	0.50015	ug/L	10/18/10	23:27	
LCSW-1	Y	1009.54345	1010.66394	1008.42297	0.15696		10/18/10	23:27	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-2	Ag	44.48903	44.84362	44.13444	1.12716	ug/L	10/18/10	23:32	
LCSW-2	Al	2016.73510	2012.35449	2021.11572	0.30718	ug/L	10/18/10	23:32	
LCSW-2	2Al	2.01676	2.01228	2.02124	0.31415	mg/L	10/18/10	23:32	
LCSW-2	As	2031.98974	2035.01245	2028.96704	0.21037	ug/L	10/18/10	23:32	
LCSW-2	B	974.16973	972.91833	975.42114	0.18166	ug/L	10/18/10	23:32	
LCSW-2	Ba	2046.25781	2044.32629	2048.18945	0.13349	ug/L	10/18/10	23:32	
LCSW-2	Be	50.94156	50.86228	51.02085	0.22010	ug/L	10/18/10	23:32	
LCSW-2	Ca	4983.97314	4975.72656	4992.21972	0.23399	ug/L	10/18/10	23:32	
LCSW-2	Cd	50.82909	50.59174	51.06644	0.66037	ug/L	10/18/10	23:32	
LCSW-2	Co	519.53649	518.95208	520.12091	0.15908	ug/L	10/18/10	23:32	
LCSW-2	Cr	206.64428	206.30017	206.98840	0.23550	ug/L	10/18/10	23:32	
LCSW-2	Cu	254.42517	253.38064	255.46971	0.58059	ug/L	10/18/10	23:32	
LCSW-2	Fe	1027.56896	1019.36541	1035.77258	1.12903	ug/L	10/18/10	23:32	
LCSW-2	2Fe	1.02765	1.01945	1.03585	1.12884	mg/L	10/18/10	23:32	
LCSW-2	K	4688.71093	4683.70361	4693.71826	0.15103	ug/L	10/18/10	23:32	
LCSW-2	Mg	5001.40917	4999.80224	5003.01562	0.04543	ug/L	10/18/10	23:32	
LCSW-2	2Mg	5.00005	4.99844	5.00165	0.04539	mg/L	10/18/10	23:32	
LCSW-2	Mn	516.48864	515.88629	517.09094	0.16492	ug/L	10/18/10	23:32	
LCSW-2	Mo	487.30944	487.02218	487.59671	0.08336	ug/L	10/18/10	23:32	
LCSW-2	Na	4799.86621	4727.82226	4871.91015	2.12267	ug/L	10/18/10	23:32	
LCSW-2	Ni	513.56518	513.07910	514.05133	0.13386	ug/L	10/18/10	23:32	
LCSW-2	Pb	511.59872	510.84521	512.35223	0.20829	ug/L	10/18/10	23:32	
LCSW-2	Se	2035.60412	2033.44116	2037.76708	0.15026	ug/L	10/18/10	23:32	
LCSW-2	Sb	490.45294	495.34701	485.55883	1.41120	ug/L	10/18/10	23:32	
LCSW-2	Sn	986.36633	985.97088	986.76184	0.05670	ug/L	10/18/10	23:32	
LCSW-2	Sr	492.22726	491.84704	492.60748	0.10924	ug/L	10/18/10	23:32	
LCSW-2	Ti	980.75854	978.98022	982.53686	0.25642	ug/L	10/18/10	23:32	
LCSW-2	Tl	2071.28686	2068.79516	2073.77856	0.17012	ug/L	10/18/10	23:32	
LCSW-2	V	511.25781	509.29739	513.21826	0.54228	ug/L	10/18/10	23:32	
LCSW-2	Zn	525.22869	524.55487	525.90252	0.18143	ug/L	10/18/10	23:32	
LCSW-2	2203/1	519.79217	522.92352	516.66082	0.85195	ug/L	10/18/10	23:32	
LCSW-2	2203/2	507.50811	504.81512	510.20114	0.75042	ug/L	10/18/10	23:32	
LCSW-2	1960/1	2080.59277	2076.39062	2084.79492	0.28562	ug/L	10/18/10	23:32	
LCSW-2	1960/2	2013.14306	2011.99816	2014.28784	0.08042	ug/L	10/18/10	23:32	
LCSW-2	Y	1006.93347	1008.16192	1005.70495	0.17253		10/18/10	23:32	
61963-36	Ag	-0.29315	-0.85087	0.26457	269.05725	ug/L	10/18/10	23:37	
61963-36	Al	1.25702	1.86386	0.65018	68.27281	ug/L	10/18/10	23:37	
61963-36	2Al	0.00125	0.00186	0.00065	68.27256	mg/L	10/18/10	23:37	
61963-36	As	9.48392	12.75808	6.20977	48.82316	ug/L	10/18/10	23:37	
61963-36	B	2294.38720	2288.74291	2300.03173	0.34790	ug/L	10/18/10	23:37	
61963-36	Ba	15.25936	15.17418	15.34455	0.78950	ug/L	10/18/10	23:37	
61963-36	Be	0.01656	-0.00937	0.04250	221.47280	ug/L	10/18/10	23:37	
61963-36	Ca	242539.10937	242393.18750	242685.03125	0.08508	ug/L	10/18/10	23:37	
61963-36	Cd	-0.04312	0.10830	-0.19456	496.53424	ug/L	10/18/10	23:37	
61963-36	Co	0.89513	0.99134	0.79892	15.19987	ug/L	10/18/10	23:37	
61963-36	Cr	-0.10150	0.33271	-0.53571	604.99682	ug/L	10/18/10	23:37	
61963-36	Cu	3.29777	3.81853	2.77702	22.33190	ug/L	10/18/10	23:37	
61963-36	Fe	167.46020	163.50950	171.41091	3.33640	ug/L	10/18/10	23:37	
61963-36	2Fe	0.16743	0.16348	0.17138	3.33649	mg/L	10/18/10	23:37	
61963-36	K	218986.64062	218791.64062	219181.64062	0.12593	ug/L	10/18/10	23:37	
61963-36	Mg	645139.25000	644458.75000	645819.68750	0.14916	ug/L	10/18/10	23:37	
61963-36	2Mg	644.91589	644.22674	645.60510	0.15112	mg/L	10/18/10	23:37	
61963-36	Mn	12.58438	12.68970	12.47906	1.18356	ug/L	10/18/10	23:37	
61963-36	Mo	3.01128	4.26468	1.75788	58.86447	ug/L	10/18/10	23:37	
61963-36	Na	5123203.00000	5115117.00000	5131288.50000	0.22319	ug/L	10/18/10	23:37	
61963-36	Ni	1.25908	-0.38983	2.90801	185.20776	ug/L	10/18/10	23:37	
61963-36	Pb	-2.02230	-0.53524	-3.50936	103.99146	ug/L	10/18/10	23:37	
61963-36	Se	-1.20069	0.94900	-3.35039	253.19831	ug/L	10/18/10	23:37	
61963-36	Sb	4.42476	1.75952	7.09000	85.18446	ug/L	10/18/10	23:37	
61963-36	Sn	1.20943	3.29315	-0.87428	243.65293	ug/L	10/18/10	23:37	
61963-36	Sr	4214.61425	4218.84326	4210.38574	0.14189	ug/L	10/18/10	23:37	
61963-36	Ti	0.64107	0.71673	0.56540	16.69142	ug/L	10/18/10	23:37	
61963-36	Tl	5.09946	2.36975	7.82917	75.70196	ug/L	10/18/10	23:37	
61963-36	V	-5.08121	-6.35432	-3.80810	35.43341	ug/L	10/18/10	23:37	
61963-36	Zn	25.35707	25.56338	25.15077	1.15061	ug/L	10/18/10	23:37	
61963-36	2203/1	5.14203	4.24521	6.03885	24.66527	ug/L	10/18/10	23:37	
61963-36	2203/2	-5.59909	-2.92188	-8.27631	67.62075	ug/L	10/18/10	23:37	
61963-36	1960/1	10.77938	8.35313	13.20564	31.83150	ug/L	10/18/10	23:37	
61963-36	1960/2	-7.18175	-2.74750	-11.61600	87.31813	ug/L	10/18/10	23:37	
61963-36	Y	844.09643	844.94696	843.24597	0.14249		10/18/10	23:37	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-36 1/10	Ag	0.59526	0.80801	0.38251	50.54370	ug/L	10/18/10	23:42	
61963-36 1/10	Al	-7.55856	-5.14894	-9.96819	45.08421	ug/L	10/18/10	23:42	
61963-36 1/10	2Al	-0.00755	-0.00514	-0.00996	45.08406	mg/L	10/18/10	23:42	
61963-36 1/10	As	-1.38628	-1.26038	-1.51219	12.84425	ug/L	10/18/10	23:42	
61963-36 1/10	B	227.35069	228.12387	226.57751	0.48094	ug/L	10/18/10	23:42	
61963-36 1/10	Ba	1.69900	1.62355	1.77444	6.27988	ug/L	10/18/10	23:42	
61963-36 1/10	Be	-0.03963	-0.01668	-0.06257	81.89115	ug/L	10/18/10	23:42	
61963-36 1/10	Ca	24500.17382	24568.38476	24431.96289	0.39373	ug/L	10/18/10	23:42	
61963-36 1/10	Cd	-0.44705	-0.23628	-0.65782	66.67456	ug/L	10/18/10	23:42	
61963-36 1/10	Co	-0.14646	0.41599	-0.70891	543.10095	ug/L	10/18/10	23:42	
61963-36 1/10	Cr	0.13415	0.27657	-0.00827	150.14392	ug/L	10/18/10	23:42	
61963-36 1/10	Cu	0.69488	0.50008	0.88969	39.64559	ug/L	10/18/10	23:42	
61963-36 1/10	Fe	12.55675	25.61849	-0.50499	147.10888	ug/L	10/18/10	23:42	
61963-36 1/10	2Fe	0.01255	0.02561	-0.00050	147.11492	mg/L	10/18/10	23:42	
61963-36 1/10	K	24369.70703	24436.37109	24303.04101	0.38686	ug/L	10/18/10	23:42	
61963-36 1/10	Mg	65118.68750	65321.27343	64916.10156	0.43996	ug/L	10/18/10	23:42	
61963-36 1/10	2Mg	65.09562	65.29971	64.89154	0.44337	mg/L	10/18/10	23:42	
61963-36 1/10	Mn	1.39111	1.42760	1.35462	3.70970	ug/L	10/18/10	23:42	
61963-36 1/10	Mo	2.04078	3.81837	0.26319	123.18235	ug/L	10/18/10	23:42	
61963-36 1/10	Na	615525.31250	617666.43750	613384.18750	0.49193	ug/L	10/18/10	23:42	
61963-36 1/10	Ni	0.17217	-0.40263	0.74697	472.14544	ug/L	10/18/10	23:42	
61963-36 1/10	Pb	0.90908	-0.26715	2.08532	182.98179	ug/L	10/18/10	23:42	
61963-36 1/10	Se	-0.29790	2.12847	-2.72429	1151.83679	ug/L	10/18/10	23:42	
61963-36 1/10	Sb	-5.42486	-3.43132	-7.41839	51.96982	ug/L	10/18/10	23:42	
61963-36 1/10	Sn	-0.76089	1.27104	-2.79284	377.65905	ug/L	10/18/10	23:42	
61963-36 1/10	Sr	439.66912	440.09393	439.24435	0.13663	ug/L	10/18/10	23:42	
61963-36 1/10	Ti	-0.11089	-0.22871	0.00691	150.23820	ug/L	10/18/10	23:42	
61963-36 1/10	Tl	-10.13681	-9.49055	-10.78308	9.01618	ug/L	10/18/10	23:42	
61963-36 1/10	V	-1.86783	-0.79573	-2.93993	81.17279	ug/L	10/18/10	23:42	
61963-36 1/10	Zn	2.32013	2.72481	1.91544	24.66735	ug/L	10/18/10	23:42	
61963-36 1/10	2203/1	3.09789	7.54601	-1.35021	203.05964	ug/L	10/18/10	23:42	
61963-36 1/10	2203/2	-0.18368	-4.16788	3.80051	3067.49316	ug/L	10/18/10	23:42	
61963-36 1/10	1960/1	4.14715	6.91128	1.38302	94.25904	ug/L	10/18/10	23:42	
61963-36 1/10	1960/2	-2.51710	-0.25934	-4.77487	126.85045	ug/L	10/18/10	23:42	
61963-36 1/10	Y	969.93896	969.49798	970.37994	0.06429		10/18/10	23:42	
61963-40	Ag	0.79689	0.39347	1.20031	71.59338	ug/L	10/18/10	23:47	
61963-40	Al	4.73399	6.86131	2.60667	63.55073	ug/L	10/18/10	23:47	
61963-40	2Al	0.00473	0.00686	0.00260	63.55144	mg/L	10/18/10	23:47	
61963-40	As	3.59600	4.18840	3.00361	23.29736	ug/L	10/18/10	23:47	
61963-40	B	445.91668	447.61886	444.21453	0.53983	ug/L	10/18/10	23:47	
61963-40	Ba	16.40045	16.36907	16.43184	0.27064	ug/L	10/18/10	23:47	
61963-40	Be	0.00667	0.01223	0.00112	117.68131	ug/L	10/18/10	23:47	
61963-40	Ca	93169.88281	93155.79687	93183.96875	0.02138	ug/L	10/18/10	23:47	
61963-40	Cd	-0.06435	0.14503	-0.27375	460.12115	ug/L	10/18/10	23:47	
61963-40	Co	0.96935	1.33990	0.59881	54.05980	ug/L	10/18/10	23:47	
61963-40	Cr	1.06373	1.10966	1.01780	6.10638	ug/L	10/18/10	23:47	
61963-40	Cu	10.14643	10.27712	10.01573	1.82167	ug/L	10/18/10	23:47	
61963-40	Fe	28.11166	15.38653	40.83678	64.01629	ug/L	10/18/10	23:47	
61963-40	2Fe	0.02810	0.01538	0.04083	64.01331	mg/L	10/18/10	23:47	
61963-40	K	39872.82812	39846.78906	39898.86718	0.09235	ug/L	10/18/10	23:47	
61963-40	Mg	78886.37500	78914.42187	78858.33593	0.05027	ug/L	10/18/10	23:47	
61963-40	2Mg	78.85934	78.88579	78.83288	0.04744	mg/L	10/18/10	23:47	
61963-40	Mn	-0.38321	-0.38387	-0.38255	0.24382	ug/L	10/18/10	23:47	
61963-40	Mo	9.31726	11.02156	7.61297	25.86852	ug/L	10/18/10	23:47	
61963-40	Na	640159.75000	639534.93750	640784.56250	0.13803	ug/L	10/18/10	23:47	
61963-40	Ni	2.10572	2.64612	1.56532	36.29351	ug/L	10/18/10	23:47	
61963-40	Pb	-2.68709	-2.64502	-2.72916	2.21406	ug/L	10/18/10	23:47	
61963-40	Se	-0.43254	-2.96284	2.09775	827.28985	ug/L	10/18/10	23:47	
61963-40	Sb	-0.07493	-0.66890	0.51904	1121.01745	ug/L	10/18/10	23:47	
61963-40	Sn	2.70580	5.61621	-0.20459	152.11466	ug/L	10/18/10	23:47	
61963-40	Sr	1792.85278	1791.33007	1794.37536	0.12010	ug/L	10/18/10	23:47	
61963-40	Ti	-0.15771	-0.06272	-0.25269	85.17491	ug/L	10/18/10	23:47	
61963-40	Tl	-2.53507	5.87366	-10.94381	469.08816	ug/L	10/18/10	23:47	
61963-40	V	7.62037	7.47076	7.76998	2.77650	ug/L	10/18/10	23:47	
61963-40	Zn	20.28303	20.56113	20.00494	1.93896	ug/L	10/18/10	23:47	
61963-40	2203/1	-0.59093	-1.37117	0.18930	186.72508	ug/L	10/18/10	23:47	
61963-40	2203/2	-3.73360	-3.28099	-4.18620	17.14382	ug/L	10/18/10	23:47	
61963-40	1960/1	12.49398	9.35022	15.63775	35.58475	ug/L	10/18/10	23:47	
61963-40	1960/2	-6.88681	-9.11153	-4.66209	45.68484	ug/L	10/18/10	23:47	
61963-40	Y	951.77697	953.16296	950.39093	0.20594		10/18/10	23:47	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-40 1/10	Ag	0.24519	0.77313	-0.28273	304.49630	ug/L	10/18/10	23:53	
61963-40 1/10	Al	-10.84753	-10.24602	-11.44904	7.84201	ug/L	10/18/10	23:53	
61963-40 1/10	2Al	-0.01084	-0.01024	-0.01144	7.84194	mg/L	10/18/10	23:53	
61963-40 1/10	As	1.47686	-4.00964	6.96338	525.37500	ug/L	10/18/10	23:53	
61963-40 1/10	B	41.37457	40.77560	41.97354	2.04732	ug/L	10/18/10	23:53	
61963-40 1/10	Ba	1.67155	1.67768	1.66541	0.51871	ug/L	10/18/10	23:53	
61963-40 1/10	Be	0.00925	0.01859	-0.00008	142.75827	ug/L	10/18/10	23:53	
61963-40 1/10	Ca	9261.33593	9294.65917	9228.01269	0.50884	ug/L	10/18/10	23:53	
61963-40 1/10	Cd	-0.06858	-0.26612	0.12895	407.29956	ug/L	10/18/10	23:53	
61963-40 1/10	Co	0.34615	-0.11496	0.80727	188.39164	ug/L	10/18/10	23:53	
61963-40 1/10	Cr	-0.27420	-0.48029	-0.06812	106.28810	ug/L	10/18/10	23:53	
61963-40 1/10	Cu	0.64941	0.57770	0.72112	15.61552	ug/L	10/18/10	23:53	
61963-40 1/10	Fe	8.55665	6.05995	11.05335	41.26455	ug/L	10/18/10	23:53	
61963-40 1/10	2Fe	0.00855	0.00605	0.01105	41.26575	mg/L	10/18/10	23:53	
61963-40 1/10	K	3430.32446	3444.35156	3416.29736	0.57829	ug/L	10/18/10	23:53	
61963-40 1/10	Mg	7928.68847	7953.79443	7903.58203	0.44781	ug/L	10/18/10	23:53	
61963-40 1/10	2Mg	7.92644	7.95154	7.90134	0.44781	mg/L	10/18/10	23:53	
61963-40 1/10	Mn	0.06042	0.05290	0.06794	17.59598	ug/L	10/18/10	23:53	
61963-40 1/10	Mo	-1.41735	-1.50426	-1.33044	8.67159	ug/L	10/18/10	23:53	
61963-40 1/10	Na	58406.53125	58765.75390	58047.30468	0.86980	ug/L	10/18/10	23:53	
61963-40 1/10	Ni	-0.34482	-0.43695	-0.25268	37.78763	ug/L	10/18/10	23:53	
61963-40 1/10	Pb	-1.42759	-3.24351	0.38831	179.88909	ug/L	10/18/10	23:53	
61963-40 1/10	Se	-0.75150	4.99380	-6.49681	1081.17065	ug/L	10/18/10	23:53	
61963-40 1/10	Sb	-4.83299	-2.65294	-7.01304	63.79185	ug/L	10/18/10	23:53	
61963-40 1/10	Sn	-1.71283	-1.81005	-1.61560	8.02730	ug/L	10/18/10	23:53	
61963-40 1/10	Sr	182.26809	182.92152	181.61465	0.50699	ug/L	10/18/10	23:53	
61963-40 1/10	Ti	-0.28387	-0.28325	-0.28450	0.31051	ug/L	10/18/10	23:53	
61963-40 1/10	Tl	-1.52785	-0.96930	-2.08639	51.70015	ug/L	10/18/10	23:53	
61963-40 1/10	V	0.82556	0.97658	0.67454	25.86940	ug/L	10/18/10	23:53	
61963-40 1/10	Zn	2.32704	2.48700	2.16707	9.72164	ug/L	10/18/10	23:53	
61963-40 1/10	2203/1	0.09794	-0.11860	0.31450	312.66531	ug/L	10/18/10	23:53	
61963-40 1/10	2203/2	-2.18922	-4.80362	0.42517	168.88690	ug/L	10/18/10	23:53	
61963-40 1/10	1960/1	9.74035	17.71575	1.76494	115.79584	ug/L	10/18/10	23:53	
61963-40 1/10	1960/2	-5.98957	-1.35763	-10.62150	109.36577	ug/L	10/18/10	23:53	
61963-40 1/10	Y	1002.58197	1003.40997	1001.75396	0.11679		10/18/10	23:53	
61963-41	Ag	0.48356	0.76040	0.20672	80.96382	ug/L	10/18/10	23:58	
61963-41	Al	7.33751	0.11493	14.56009	139.20605	ug/L	10/18/10	23:58	
61963-41	2Al	0.00733	0.00011	0.01456	139.20718	mg/L	10/18/10	23:58	
61963-41	As	10.82856	8.35386	13.30326	32.31965	ug/L	10/18/10	23:58	
61963-41	B	449.62496	448.28265	450.96728	0.42220	ug/L	10/18/10	23:58	
61963-41	Ba	16.55868	16.49615	16.62121	0.53406	ug/L	10/18/10	23:58	
61963-41	Be	0.02311	0.00444	0.04178	114.20915	ug/L	10/18/10	23:58	
61963-41	Ca	93437.76562	93348.02343	93527.50781	0.13582	ug/L	10/18/10	23:58	
61963-41	Cd	-0.08517	-0.50740	0.33706	701.08709	ug/L	10/18/10	23:58	
61963-41	Co	1.49257	0.89441	2.09072	56.67505	ug/L	10/18/10	23:58	
61963-41	Cr	1.79954	1.00785	2.59122	62.21636	ug/L	10/18/10	23:58	
61963-41	Cu	10.36629	8.55091	12.18167	24.76616	ug/L	10/18/10	23:58	
61963-41	Fe	23.95746	25.98155	21.93336	11.94826	ug/L	10/18/10	23:58	
61963-41	2Fe	0.02395	0.02597	0.02193	11.94627	mg/L	10/18/10	23:58	
61963-41	K	39839.32031	39842.13671	39836.50000	0.01000	ug/L	10/18/10	23:58	
61963-41	Mg	79203.34375	79066.88281	79339.79687	0.24365	ug/L	10/18/10	23:58	
61963-41	2Mg	79.17781	79.04139	79.31423	0.24365	mg/L	10/18/10	23:58	
61963-41	Mn	0.16410	0.04572	0.28248	102.01930	ug/L	10/18/10	23:58	
61963-41	Mo	7.10246	7.65645	6.54847	11.03088	ug/L	10/18/10	23:58	
61963-41	Na	639315.62500	639048.87500	639582.31250	0.05900	ug/L	10/18/10	23:58	
61963-41	Ni	1.40814	1.36064	1.45563	4.76969	ug/L	10/18/10	23:58	
61963-41	Pb	1.14461	2.39890	-0.10966	154.97138	ug/L	10/18/10	23:58	
61963-41	Se	0.57530	-1.53009	2.68070	517.54797	ug/L	10/18/10	23:58	
61963-41	Sb	0.97357	-4.93927	6.88642	858.89892	ug/L	10/18/10	23:58	
61963-41	Sn	4.11535	3.59160	4.63910	17.99829	ug/L	10/18/10	23:58	
61963-41	Sr	1793.10998	1795.58239	1790.63757	0.19499	ug/L	10/18/10	23:58	
61963-41	Ti	0.24891	0.20827	0.28955	23.08809	ug/L	10/18/10	23:58	
61963-41	Tl	-3.02328	-7.10785	1.06127	191.06513	ug/L	10/18/10	23:58	
61963-41	V	7.17468	6.68372	7.66564	9.67740	ug/L	10/18/10	23:58	
61963-41	Zn	18.20478	17.75982	18.64974	3.45657	ug/L	10/18/10	23:58	
61963-41	2203/1	5.02027	6.92329	3.11725	53.60823	ug/L	10/18/10	23:58	
61963-41	2203/2	-0.79030	0.14010	-1.72071	166.49241	ug/L	10/18/10	23:58	
61963-41	1960/1	6.08653	7.38710	4.78596	30.21888	ug/L	10/18/10	23:58	
61963-41	1960/2	-2.17617	-5.98201	1.62965	247.32658	ug/L	10/18/10	23:58	
61963-41	Y	956.55596	956.60095	956.51098	0.00665		10/18/10	23:58	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-41 1/10	Ag	0.51705	0.78398	0.25012	73.00915	ug/L	10/19/10	00:03	
61963-41 1/10	Al	-10.02246	-14.03707	-6.00784	56.64799	ug/L	10/19/10	00:03	
61963-41 1/10	2Al	-0.01002	-0.01403	-0.00600	56.64805	mg/L	10/19/10	00:03	
61963-41 1/10	As	0.80521	3.64929	-2.03887	499.51275	ug/L	10/19/10	00:03	
61963-41 1/10	B	41.18198	42.12751	40.23644	3.24701	ug/L	10/19/10	00:03	
61963-41 1/10	Ba	1.80521	1.76841	1.84201	2.88284	ug/L	10/19/10	00:03	
61963-41 1/10	Be	0.00439	0.02230	-0.01351	576.01373	ug/L	10/19/10	00:03	
61963-41 1/10	Ca	9225.38867	9294.00683	9156.77050	1.05188	ug/L	10/19/10	00:03	
61963-41 1/10	Cd	-0.07846	0.09934	-0.25628	320.47985	ug/L	10/19/10	00:03	
61963-41 1/10	Co	0.25265	0.07603	0.42926	98.86028	ug/L	10/19/10	00:03	
61963-41 1/10	Cr	0.30521	0.25916	0.35126	21.33692	ug/L	10/19/10	00:03	
61963-41 1/10	Cu	1.49530	1.97246	1.01814	45.12817	ug/L	10/19/10	00:03	
61963-41 1/10	Fe	24.55251	32.87388	16.23114	47.93071	ug/L	10/19/10	00:03	
61963-41 1/10	2Fe	0.02454	0.03286	0.01622	47.93009	mg/L	10/19/10	00:03	
61963-41 1/10	K	3470.07275	3490.56201	3449.58349	0.83503	ug/L	10/19/10	00:03	
61963-41 1/10	Mg	7848.18847	7915.53857	7780.83837	1.21362	ug/L	10/19/10	00:03	
61963-41 1/10	2Mg	7.84596	7.91329	7.77863	1.21359	mg/L	10/19/10	00:03	
61963-41 1/10	Mn	0.21477	0.20011	0.22943	9.65314	ug/L	10/19/10	00:03	
61963-41 1/10	Mo	-1.12063	-1.34344	-0.89782	28.11858	ug/L	10/19/10	00:03	
61963-41 1/10	Na	58741.00781	59717.06640	57764.95312	2.34989	ug/L	10/19/10	00:03	
61963-41 1/10	Ni	-0.86694	0.73521	-2.46910	261.35333	ug/L	10/19/10	00:03	
61963-41 1/10	Pb	-0.89479	-1.92196	0.13238	162.34446	ug/L	10/19/10	00:03	
61963-41 1/10	Se	4.98631	4.34064	5.63198	18.31245	ug/L	10/19/10	00:03	
61963-41 1/10	Sb	-3.97304	-2.84084	-5.10525	40.30111	ug/L	10/19/10	00:03	
61963-41 1/10	Sn	0.83791	1.17853	0.49728	57.48999	ug/L	10/19/10	00:03	
61963-41 1/10	Sr	183.31970	184.96804	181.67134	1.27161	ug/L	10/19/10	00:03	
61963-41 1/10	Ti	-0.21146	-0.36494	-0.05798	102.64398	ug/L	10/19/10	00:03	
61963-41 1/10	Tl	0.55994	-1.09127	2.21115	417.03738	ug/L	10/19/10	00:03	
61963-41 1/10	V	0.36775	0.25570	0.47979	43.08897	ug/L	10/19/10	00:03	
61963-41 1/10	Zn	2.22377	2.19152	2.25603	2.05122	ug/L	10/19/10	00:03	
61963-41 1/10	2203/1	3.98176	3.67251	4.29102	10.98385	ug/L	10/19/10	00:03	
61963-41 1/10	2203/2	-3.32941	-4.71501	-1.94381	58.85514	ug/L	10/19/10	00:03	
61963-41 1/10	1960/1	14.00796	13.95360	14.06233	0.54884	ug/L	10/19/10	00:03	
61963-41 1/10	1960/2	0.48218	-0.45863	1.42299	275.93554	ug/L	10/19/10	00:03	
61963-41 1/10	Y	992.84851	992.60998	993.08697	0.03397		10/19/10	00:03	
CCV	Ag	495.44903	496.09790	494.80017	0.18521	ug/L	10/19/10	00:10	
CCV	Al	4975.88281	4979.39453	4972.37060	0.09981	ug/L	10/19/10	00:10	
CCV	2Al	4.97586	4.97908	4.97265	0.09132	mg/L	10/19/10	00:10	
CCV	As	498.82415	502.60525	495.04302	1.07198	ug/L	10/19/10	00:10	
CCV	B	5003.20507	5003.59765	5002.81298	0.01108	ug/L	10/19/10	00:10	
CCV	Ba	4977.71093	4985.95947	4969.46240	0.23434	ug/L	10/19/10	00:10	
CCV	Be	503.50765	504.32202	502.69329	0.22873	ug/L	10/19/10	00:10	
CCV	Ca	4990.10644	4991.90625	4988.30664	0.05100	ug/L	10/19/10	00:10	
CCV	Cd	495.54202	495.70114	495.38290	0.04541	ug/L	10/19/10	00:10	
CCV	Co	507.40512	507.45474	507.35549	0.01383	ug/L	10/19/10	00:10	
CCV	Cr	5013.53808	5021.22070	5005.85498	0.21671	ug/L	10/19/10	00:10	
CCV	Cu	4981.88281	4991.47314	4972.29248	0.27224	ug/L	10/19/10	00:10	
CCV	Fe	5008.66503	5018.12060	4999.20898	0.26698	ug/L	10/19/10	00:10	
CCV	2Fe	5.00867	5.01812	4.99921	0.26696	mg/L	10/19/10	00:10	
CCV	K	9632.21679	9649.03710	9615.39648	0.24695	ug/L	10/19/10	00:10	
CCV	Mg	5136.80957	5142.65136	5130.96728	0.16083	ug/L	10/19/10	00:10	
CCV	2Mg	5.13678	5.14263	5.13094	0.16085	mg/L	10/19/10	00:10	
CCV	Mn	5043.53759	5051.91650	5035.15869	0.23494	ug/L	10/19/10	00:10	
CCV	Mo	490.64752	490.14840	491.14660	0.14385	ug/L	10/19/10	00:10	
CCV	Na	7488.73535	7469.75097	7507.71923	0.35850	ug/L	10/19/10	00:10	
CCV	Ni	2530.54296	2533.19433	2527.89135	0.14818	ug/L	10/19/10	00:10	
CCV	Pb	506.78707	505.83752	507.73663	0.26497	ug/L	10/19/10	00:10	
CCV	Se	4966.05761	4959.57958	4972.53613	0.18448	ug/L	10/19/10	00:10	
CCV	Sb	490.70568	487.06317	494.34820	1.04977	ug/L	10/19/10	00:10	
CCV	Sn	5033.56933	5035.96142	5031.17724	0.06720	ug/L	10/19/10	00:10	
CCV	Sr	2481.57714	2482.76782	2480.38647	0.06785	ug/L	10/19/10	00:10	
CCV	Ti	497.83627	498.24774	497.42480	0.11688	ug/L	10/19/10	00:10	
CCV	Tl	4948.92822	4963.32763	4934.52880	0.41147	ug/L	10/19/10	00:10	
CCV	V	5043.21386	5047.41259	5039.01464	0.11774	ug/L	10/19/10	00:10	
CCV	Zn	2543.35839	2545.59277	2541.12426	0.12423	ug/L	10/19/10	00:10	
CCV	2203/1	513.46276	517.09631	509.82928	1.00076	ug/L	10/19/10	00:10	
CCV	2203/2	503.45422	500.21658	506.69186	0.90946	ug/L	10/19/10	00:10	
CCV	1960/1	5074.91503	5081.47412	5068.35595	0.18278	ug/L	10/19/10	00:10	
CCV	1960/2	4911.71093	4898.72412	4924.69824	0.37393	ug/L	10/19/10	00:10	
CCV	Y	1005.75445	1004.61596	1006.89294	0.16008		10/19/10	00:10	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.48691	0.66426	0.30957	51.50880	ug/L	10/19/10	00:16	
CCB	Al	-11.60610	-11.75917	-11.45303	1.86517	ug/L	10/19/10	00:16	
CCB	2Al	-0.01160	-0.01175	-0.01145	1.86510	mg/L	10/19/10	00:16	
CCB	As	0.25838	0.07919	0.43756	98.07514	ug/L	10/19/10	00:16	
CCB	B	3.47076	3.63443	3.30710	6.66874	ug/L	10/19/10	00:16	
CCB	Ba	0.77865	0.48836	1.06894	52.72359	ug/L	10/19/10	00:16	
CCB	Be	0.04062	-0.03124	0.11249	250.16220	ug/L	10/19/10	00:16	
CCB	Ca	2.73793	2.09732	3.37854	33.08922	ug/L	10/19/10	00:16	
CCB	Cd	-0.02772	0.01567	-0.07112	221.35594	ug/L	10/19/10	00:16	
CCB	Co	0.44108	0.81078	0.07139	118.53189	ug/L	10/19/10	00:16	
CCB	Cr	-0.04104	-0.80363	0.72154	2627.43408	ug/L	10/19/10	00:16	
CCB	Cu	0.13233	-0.36884	0.63351	535.59436	ug/L	10/19/10	00:16	
CCB	Fe	11.13122	2.14860	20.11384	114.12344	ug/L	10/19/10	00:16	
CCB	2Fe	0.01113	0.00214	0.02011	114.12046	mg/L	10/19/10	00:16	
CCB	K	6.47438	1.79577	11.15299	102.19595	ug/L	10/19/10	00:16	
CCB	Mg	-5.77071	-5.77548	-5.76593	0.11700	ug/L	10/19/10	00:16	
CCB	2Mg	-0.00577	-0.00577	-0.00576	0.08301	mg/L	10/19/10	00:16	
CCB	Mn	0.37108	-0.05238	0.79455	161.38389	ug/L	10/19/10	00:16	
CCB	Mo	-2.76614	-2.40864	-3.12364	18.27746	ug/L	10/19/10	00:16	
CCB	Na	-70.26834	-20.32171	-120.21496	100.52207	ug/L	10/19/10	00:16	
CCB	Ni	0.21529	1.56126	-1.13067	884.14654	ug/L	10/19/10	00:16	
CCB	Pb	-1.94736	-3.32037	-0.57434	99.71112	ug/L	10/19/10	00:16	
CCB	Se	0.54751	0.07613	1.01888	121.75472	ug/L	10/19/10	00:16	
CCB	Sb	-2.47926	-4.56699	-0.39153	119.08755	ug/L	10/19/10	00:16	
CCB	Sn	-1.40164	-3.15051	0.34722	176.45494	ug/L	10/19/10	00:16	
CCB	Sr	0.23407	-0.02096	0.48912	154.08959	ug/L	10/19/10	00:16	
CCB	Ti	-0.20801	-0.36173	-0.05430	104.50469	ug/L	10/19/10	00:16	
CCB	Tl	1.44075	-0.80603	3.68753	220.53990	ug/L	10/19/10	00:16	
CCB	V	0.85630	0.12921	1.58340	120.08086	ug/L	10/19/10	00:16	
CCB	Zn	0.38455	0.41580	0.35330	11.49351	ug/L	10/19/10	00:16	
CCB	2203/1	2.85593	4.60241	1.10945	86.48303	ug/L	10/19/10	00:16	
CCB	2203/2	-4.34540	-7.27583	-1.41498	95.37068	ug/L	10/19/10	00:16	
CCB	1960/1	13.28103	14.00319	12.55887	7.68979	ug/L	10/19/10	00:16	
CCB	1960/2	-5.80970	-6.87694	-4.74246	25.97907	ug/L	10/19/10	00:16	
CCB	Y	993.31195	993.87896	992.74493	0.08072		10/19/10	00:16	
61963-42	Ag	-0.12854	-1.06331	0.80623	1028.44555	ug/L	10/19/10	00:21	
61963-42	Al	8.94858	12.10373	5.79343	49.86332	ug/L	10/19/10	00:21	
61963-42	2Al	0.00894	0.01210	0.00579	49.86365	mg/L	10/19/10	00:21	
61963-42	As	4.53264	8.84645	0.21883	134.59355	ug/L	10/19/10	00:21	
61963-42	B	848.74853	846.98291	850.51416	0.29419	ug/L	10/19/10	00:21	
61963-42	Ba	16.41350	16.37889	16.44812	0.29827	ug/L	10/19/10	00:21	
61963-42	Be	-0.01356	-0.04856	0.02143	364.81762	ug/L	10/19/10	00:21	
61963-42	Ca	143500.62500	143435.54687	143565.70312	0.06413	ug/L	10/19/10	00:21	
61963-42	Cd	0.04326	0.28401	-0.19748	786.98156	ug/L	10/19/10	00:21	
61963-42	Co	-0.55667	-0.90423	-0.20912	88.29518	ug/L	10/19/10	00:21	
61963-42	Cr	1.38069	1.53391	1.22748	15.69341	ug/L	10/19/10	00:21	
61963-42	Cu	21.24932	21.33658	21.16207	0.58070	ug/L	10/19/10	00:21	
61963-42	Fe	68.70600	64.63684	72.77517	8.37578	ug/L	10/19/10	00:21	
61963-42	2Fe	0.06869	0.06462	0.07276	8.37608	mg/L	10/19/10	00:21	
61963-42	K	44991.42187	44922.57812	45060.26562	0.21639	ug/L	10/19/10	00:21	
61963-42	Mg	95299.82812	95210.46093	95389.19531	0.13261	ug/L	10/19/10	00:21	
61963-42	2Mg	95.26793	95.17693	95.35894	0.13509	mg/L	10/19/10	00:21	
61963-42	Mn	0.41831	0.40488	0.43174	4.53984	ug/L	10/19/10	00:21	
61963-42	Mo	28.11050	29.06825	27.15275	4.81835	ug/L	10/19/10	00:21	
61963-42	Na	725111.31250	725398.75000	724823.87500	0.05606	ug/L	10/19/10	00:21	
61963-42	Ni	3.46113	2.72280	4.19945	30.16792	ug/L	10/19/10	00:21	
61963-42	Pb	4.76753	2.35904	7.17603	71.44409	ug/L	10/19/10	00:21	
61963-42	Se	4.77295	2.81769	6.72821	57.93391	ug/L	10/19/10	00:21	
61963-42	Sb	11.61921	6.34097	16.89745	64.24327	ug/L	10/19/10	00:21	
61963-42	Sn	-0.92133	-0.84769	-0.99498	11.30421	ug/L	10/19/10	00:21	
61963-42	Sr	3419.76025	3424.17480	3415.34570	0.18256	ug/L	10/19/10	00:21	
61963-42	Ti	0.06369	-0.03607	0.16345	221.52415	ug/L	10/19/10	00:21	
61963-42	Tl	-7.69087	-5.83850	-9.54324	34.06177	ug/L	10/19/10	00:21	
61963-42	V	5.19298	4.68179	5.70418	13.92142	ug/L	10/19/10	00:21	
61963-42	Zn	30.63066	30.67299	30.58832	0.19544	ug/L	10/19/10	00:21	
61963-42	2203/1	2.98375	-2.81784	8.78535	274.97879	ug/L	10/19/10	00:21	
61963-42	2203/2	5.65809	4.94360	6.37258	17.85825	ug/L	10/19/10	00:21	
61963-42	1960/1	4.43915	2.58419	6.29410	59.09480	ug/L	10/19/10	00:21	
61963-42	1960/2	4.93876	2.93426	6.94325	57.39875	ug/L	10/19/10	00:21	
61963-42	Y	912.80249	911.56494	914.03997	0.19172		10/19/10	00:21	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-42 1/10	Ag	0.89003	0.19861	1.58146	109.86343	ug/L	10/19/10	00:27	
61963-42 1/10	Al	-14.86021	-14.25970	-15.46072	5.71490	ug/L	10/19/10	00:27	
61963-42 1/10	2Al	-0.01486	-0.01426	-0.01546	5.71496	mg/L	10/19/10	00:27	
61963-42 1/10	As	1.83564	3.20573	0.46554	105.55488	ug/L	10/19/10	00:27	
61963-42 1/10	B	80.61943	80.49504	80.74383	0.21821	ug/L	10/19/10	00:27	
61963-42 1/10	Ba	1.93836	1.82768	2.04904	8.07513	ug/L	10/19/10	00:27	
61963-42 1/10	Be	-0.00396	-0.03242	0.02449	1014.58666	ug/L	10/19/10	00:27	
61963-42 1/10	Ca	14120.88476	14216.23828	14025.53027	0.95497	ug/L	10/19/10	00:27	
61963-42 1/10	Cd	-0.02397	-0.17632	0.12836	898.49566	ug/L	10/19/10	00:27	
61963-42 1/10	Co	-0.11206	0.27442	-0.49855	487.73623	ug/L	10/19/10	00:27	
61963-42 1/10	Cr	-0.62175	-0.95110	-0.29240	74.91310	ug/L	10/19/10	00:27	
61963-42 1/10	Cu	2.38878	2.25269	2.52488	8.05710	ug/L	10/19/10	00:27	
61963-42 1/10	Fe	28.79674	25.54121	32.05227	15.98797	ug/L	10/19/10	00:27	
61963-42 1/10	2Fe	0.02879	0.02553	0.03204	15.98773	mg/L	10/19/10	00:27	
61963-42 1/10	K	3888.03808	3908.40869	3867.66723	0.74095	ug/L	10/19/10	00:27	
61963-42 1/10	Mg	9559.51367	9625.62988	9493.39843	0.97810	ug/L	10/19/10	00:27	
61963-42 1/10	2Mg	9.55681	9.62290	9.49071	0.97811	mg/L	10/19/10	00:27	
61963-42 1/10	Mn	0.19775	0.11046	0.28503	62.42096	ug/L	10/19/10	00:27	
61963-42 1/10	Mo	1.97833	-0.19089	4.14757	155.06773	ug/L	10/19/10	00:27	
61963-42 1/10	Na	66206.73437	67283.35937	65130.11328	2.29972	ug/L	10/19/10	00:27	
61963-42 1/10	Ni	0.82742	0.42627	1.22858	68.56434	ug/L	10/19/10	00:27	
61963-42 1/10	Pb	-1.47096	-1.98938	-0.95255	49.84146	ug/L	10/19/10	00:27	
61963-42 1/10	Se	5.12213	5.34556	4.89869	6.16904	ug/L	10/19/10	00:27	
61963-42 1/10	Sb	-1.04998	-3.90354	1.80357	384.34384	ug/L	10/19/10	00:27	
61963-42 1/10	Sn	0.74362	-1.49111	2.97835	425.00030	ug/L	10/19/10	00:27	
61963-42 1/10	Sr	351.55850	354.77551	348.34149	1.29410	ug/L	10/19/10	00:27	
61963-42 1/10	Ti	-0.12629	-0.23038	-0.02221	116.55046	ug/L	10/19/10	00:27	
61963-42 1/10	Tl	-1.39551	-3.04805	0.25702	167.46858	ug/L	10/19/10	00:27	
61963-42 1/10	V	1.12830	0.27665	1.97995	106.74509	ug/L	10/19/10	00:27	
61963-42 1/10	Zn	3.23516	3.17370	3.29662	2.68669	ug/L	10/19/10	00:27	
61963-42 1/10	2203/1	1.13577	-3.38679	5.65834	563.12780	ug/L	10/19/10	00:27	
61963-42 1/10	2203/2	-2.77239	-1.29173	-4.25304	75.52909	ug/L	10/19/10	00:27	
61963-42 1/10	1960/1	5.45947	5.05593	5.86300	10.45308	ug/L	10/19/10	00:27	
61963-42 1/10	1960/2	4.95354	5.48999	4.41709	15.31539	ug/L	10/19/10	00:27	
61963-42 1/10	Y	976.40545	974.87097	977.93994	0.22225		10/19/10	00:27	
61963-43	Ag	-0.61254	-1.76867	0.54358	266.92083	ug/L	10/19/10	00:32	
61963-43	Al	0.10151	-5.80901	6.01204	8233.80957	ug/L	10/19/10	00:32	
61963-43	2Al	0.00010	-0.00580	0.00601	8233.29199	mg/L	10/19/10	00:32	
61963-43	As	-0.24054	-5.24613	4.76504	2942.89135	ug/L	10/19/10	00:32	
61963-43	B	1964.00219	1956.34106	1971.66333	0.55165	ug/L	10/19/10	00:32	
61963-43	Ba	38.76802	38.76465	38.77140	0.01230	ug/L	10/19/10	00:32	
61963-43	Be	0.00534	-0.01228	0.02297	466.28213	ug/L	10/19/10	00:32	
61963-43	Ca	214063.12500	213780.15625	214346.09375	0.18694	ug/L	10/19/10	00:32	
61963-43	Cd	-0.08852	-0.44178	0.26473	564.33776	ug/L	10/19/10	00:32	
61963-43	Co	-0.17166	-1.91720	1.57387	1438.02172	ug/L	10/19/10	00:32	
61963-43	Cr	3.87997	2.25624	5.50370	59.18349	ug/L	10/19/10	00:32	
61963-43	Cu	4.63722	3.04764	6.22680	48.47736	ug/L	10/19/10	00:32	
61963-43	Fe	57.27501	37.93426	76.61576	47.75545	ug/L	10/19/10	00:32	
61963-43	2Fe	0.05726	0.03792	0.07660	47.75709	mg/L	10/19/10	00:32	
61963-43	K	169561.40625	169861.07812	169261.71875	0.24994	ug/L	10/19/10	00:32	
61963-43	Mg	474509.25000	473303.00000	475715.53125	0.35951	ug/L	10/19/10	00:32	
61963-43	2Mg	474.33575	473.13330	475.53823	0.35851	mg/L	10/19/10	00:32	
61963-43	Mn	-1.97160	-2.15534	-1.78785	13.17988	ug/L	10/19/10	00:32	
61963-43	Mo	25.66979	24.43529	26.90428	6.80113	ug/L	10/19/10	00:32	
61963-43	Na	3864176.00000	3867870.25000	3860482.00000	0.13519	ug/L	10/19/10	00:32	
61963-43	Ni	0.87967	0.87783	0.88150	0.29493	ug/L	10/19/10	00:32	
61963-43	Pb	-1.72408	-2.64328	-0.80488	75.39931	ug/L	10/19/10	00:32	
61963-43	Se	1.13199	-2.12993	4.39391	407.51660	ug/L	10/19/10	00:32	
61963-43	Sb	-0.26358	-2.48960	1.96242	1194.30859	ug/L	10/19/10	00:32	
61963-43	Sn	-3.63694	-4.18092	-3.09295	21.15267	ug/L	10/19/10	00:32	
61963-43	Sr	4500.86328	4502.67578	4499.05078	0.05695	ug/L	10/19/10	00:32	
61963-43	Ti	-0.22959	-0.67739	0.21821	275.83325	ug/L	10/19/10	00:32	
61963-43	Tl	-6.28854	-7.24387	-5.33321	21.48410	ug/L	10/19/10	00:32	
61963-43	V	-0.47212	-1.14836	0.20411	202.56231	ug/L	10/19/10	00:32	
61963-43	Zn	15.73095	14.80965	16.65225	8.28253	ug/L	10/19/10	00:32	
61963-43	2203/1	8.40102	13.40792	3.39411	84.28534	ug/L	10/19/10	00:32	
61963-43	2203/2	-6.77904	-10.65685	-2.90123	80.89712	ug/L	10/19/10	00:32	
61963-43	1960/1	11.58049	17.31043	5.85056	69.97412	ug/L	10/19/10	00:32	
61963-43	1960/2	-4.08442	-11.83554	3.66668	268.37854	ug/L	10/19/10	00:32	
61963-43	Y	840.82946	838.22393	843.43493	0.43822		10/19/10	00:32	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-43 1/10	Ag	0.79398	0.82343	0.76452	5.24578	ug/L	10/19/10	00:37	
61963-43 1/10	Al	-6.12330	-9.22249	-3.02411	71.57756	ug/L	10/19/10	00:37	
61963-43 1/10	2Al	-0.00612	-0.00922	-0.00302	71.57756	mg/L	10/19/10	00:37	
61963-43 1/10	As	2.81926	2.87142	2.76710	2.61644	ug/L	10/19/10	00:37	
61963-43 1/10	B	188.15289	191.80293	184.50285	2.74347	ug/L	10/19/10	00:37	
61963-43 1/10	Ba	4.08568	4.18096	3.99041	3.29781	ug/L	10/19/10	00:37	
61963-43 1/10	Be	-0.00656	0.00355	-0.01669	217.93077	ug/L	10/19/10	00:37	
61963-43 1/10	Ca	21067.62500	21410.75195	20724.49609	2.30332	ug/L	10/19/10	00:37	
61963-43 1/10	Cd	0.03238	0.15878	-0.09402	552.06549	ug/L	10/19/10	00:37	
61963-43 1/10	Co	0.00387	-0.77960	0.78735	28593.30078	ug/L	10/19/10	00:37	
61963-43 1/10	Cr	0.19343	-0.19236	0.57922	282.06433	ug/L	10/19/10	00:37	
61963-43 1/10	Cu	1.52555	1.08482	1.96629	40.85629	ug/L	10/19/10	00:37	
61963-43 1/10	Fe	32.63416	31.31931	33.94902	5.69796	ug/L	10/19/10	00:37	
61963-43 1/10	2Fe	0.03263	0.03131	0.03394	5.69918	mg/L	10/19/10	00:37	
61963-43 1/10	K	16753.25195	17010.00390	16496.50000	2.16735	ug/L	10/19/10	00:37	
61963-43 1/10	Mg	46612.72265	47366.33593	45859.10937	2.28643	ug/L	10/19/10	00:37	
61963-43 1/10	2Mg	46.59955	47.35295	45.84615	2.28643	mg/L	10/19/10	00:37	
61963-43 1/10	Mn	0.00190	-0.05577	0.05958	4275.55957	ug/L	10/19/10	00:37	
61963-43 1/10	Mo	3.18428	3.41163	2.95694	10.09702	ug/L	10/19/10	00:37	
61963-43 1/10	Na	422412.81250	435190.93750	409634.71875	4.27803	ug/L	10/19/10	00:37	
61963-43 1/10	Ni	0.43744	1.05600	-0.18111	199.97312	ug/L	10/19/10	00:37	
61963-43 1/10	Pb	-1.38665	-3.35217	0.57887	200.45928	ug/L	10/19/10	00:37	
61963-43 1/10	Se	-1.39261	2.24459	-5.02982	369.36160	ug/L	10/19/10	00:37	
61963-43 1/10	Sb	2.48721	1.37364	3.60079	63.31687	ug/L	10/19/10	00:37	
61963-43 1/10	Sn	5.10274	4.25446	5.95102	23.50987	ug/L	10/19/10	00:37	
61963-43 1/10	Sr	459.40499	466.54330	452.26669	2.19742	ug/L	10/19/10	00:37	
61963-43 1/10	Ti	-0.37125	-0.68811	-0.05438	120.70427	ug/L	10/19/10	00:37	
61963-43 1/10	Tl	4.64543	6.94359	2.34727	69.96305	ug/L	10/19/10	00:37	
61963-43 1/10	V	-0.06258	-0.36690	0.24174	687.72125	ug/L	10/19/10	00:37	
61963-43 1/10	Zn	2.12766	1.74775	2.50757	25.25175	ug/L	10/19/10	00:37	
61963-43 1/10	2203/1	4.69520	3.89222	5.49818	24.18615	ug/L	10/19/10	00:37	
61963-43 1/10	2203/2	-4.42301	-6.96894	-1.87709	81.40313	ug/L	10/19/10	00:37	
61963-43 1/10	1960/1	6.61787	14.27969	-1.04394	163.73004	ug/L	10/19/10	00:37	
61963-43 1/10	1960/2	-5.39185	-3.76393	-7.01977	42.69824	ug/L	10/19/10	00:37	
61963-43 1/10	Y	953.91442	955.22393	952.60498	0.19413		10/19/10	00:37	
61943-1	Ag	3.18677	3.09132	3.28223	4.23593	ug/L	10/19/10	00:42	
61943-1	Al	1437381.62500	1438574.75000	1436188.50000	0.11738	ug/L	10/19/10	00:42	
61943-1	2Al	1437.45214	1438.65698	1436.24743	0.11852	mg/L	10/19/10	00:42	
61943-1	As	39.31584	40.32309	38.30859	3.62312	ug/L	10/19/10	00:42	
61943-1	B	228.48251	228.60237	228.36267	0.07418	ug/L	10/19/10	00:42	
61943-1	Ba	6.80016	6.86550	6.73481	1.35906	ug/L	10/19/10	00:42	
61943-1	Be	19.61412	19.58850	19.63974	0.18472	ug/L	10/19/10	00:42	
61943-1	Ca	268419.71875	267423.71875	269415.71875	0.52475	ug/L	10/19/10	00:42	
61943-1	Cd	20.62418	20.00551	21.24285	4.24228	ug/L	10/19/10	00:42	
61943-1	Co	3005.73291	2999.53442	3011.93139	0.29164	ug/L	10/19/10	00:42	
61943-1	Cr	1112.34997	1111.06005	1113.63989	0.16399	ug/L	10/19/10	00:42	
61943-1	Cu	1533.48986	1536.17846	1530.80126	0.24794	ug/L	10/19/10	00:42	
61943-1	Fe	125623.84375	125464.69531	125783.00000	0.17916	ug/L	10/19/10	00:42	
61943-1	2Fe	125.60796	125.44987	125.76605	0.17799	mg/L	10/19/10	00:42	
61943-1	K	3116.38916	3084.28247	3148.49560	1.45699	ug/L	10/19/10	00:42	
61943-1	Mg	169346.07812	168810.00000	169882.15625	0.44768	ug/L	10/19/10	00:42	
61943-1	2Mg	169.28744	168.75318	169.82170	0.44631	mg/L	10/19/10	00:42	
61943-1	Mn	28237.20312	28195.36914	28279.03906	0.20952	ug/L	10/19/10	00:42	
61943-1	Mo	20.95919	17.85312	24.06526	20.95809	ug/L	10/19/10	00:42	
61943-1	Na	49045.56250	49093.70703	48997.41406	0.13882	ug/L	10/19/10	00:42	
61943-1	Ni	242899.90625	242802.64062	242997.15625	0.05662	ug/L	10/19/10	00:42	
61943-1	Pb	16.35257	24.30585	8.39929	68.78208	ug/L	10/19/10	00:42	
61943-1	Se	33.59988	27.82004	39.37973	24.32725	ug/L	10/19/10	00:42	
61943-1	Sb	16.56161	-1.49616	34.61939	154.19729	ug/L	10/19/10	00:42	
61943-1	Sn	-5.06910	-13.83148	3.69327	244.45899	ug/L	10/19/10	00:42	
61943-1	Sr	770.11193	770.98486	769.23901	0.16030	ug/L	10/19/10	00:42	
61943-1	Ti	35.55268	35.43279	35.67256	0.47688	ug/L	10/19/10	00:42	
61943-1	Tl	-1.38159	-9.67201	6.90882	848.61663	ug/L	10/19/10	00:42	
61943-1	V	8262.09375	8258.85937	8265.32812	0.05536	ug/L	10/19/10	00:42	
61943-1	Zn	15928.04882	15874.05371	15982.04296	0.47940	ug/L	10/19/10	00:42	
61943-1	2203/1	249.50993	220.98373	278.03613	16.16855	ug/L	10/19/10	00:42	
61943-1	2203/2	-100.05133	-73.88565	-126.21700	36.98487	ug/L	10/19/10	00:42	
61943-1	1960/1	56.83557	37.97828	75.69286	46.92172	ug/L	10/19/10	00:42	
61943-1	1960/2	21.99945	22.74852	21.25038	4.81531	ug/L	10/19/10	00:42	
61943-1	Y	1794.03735	1775.22290	1812.85192	1.48312		10/19/10	00:42	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61943-1 1/10	Ag	0.75599	1.51847	-0.00649	142.63546	ug/L	10/19/10	00:47	
61943-1 1/10	Al	294065.71875	295787.43750	292344.00000	0.82800	ug/L	10/19/10	00:47	
61943-1 1/10	2Al	294.06994	295.79962	292.34027	0.83181	mg/L	10/19/10	00:47	
61943-1 1/10	As	9.62476	4.91156	14.33797	69.25341	ug/L	10/19/10	00:47	
61943-1 1/10	B	41.15229	40.54927	41.75530	2.07229	ug/L	10/19/10	00:47	
61943-1 1/10	Ba	1.13914	1.36514	0.91314	28.05677	ug/L	10/19/10	00:47	
61943-1 1/10	Be	3.51652	3.54339	3.48966	1.08054	ug/L	10/19/10	00:47	
61943-1 1/10	Ca	46635.96875	46870.74609	46401.19140	0.71195	ug/L	10/19/10	00:47	
61943-1 1/10	Cd	3.63889	3.74268	3.53511	4.03337	ug/L	10/19/10	00:47	
61943-1 1/10	Co	561.41845	564.45404	558.38293	0.76465	ug/L	10/19/10	00:47	
61943-1 1/10	Cr	207.43380	207.94389	206.92372	0.34775	ug/L	10/19/10	00:47	
61943-1 1/10	Cu	273.89736	275.44549	272.34924	0.79934	ug/L	10/19/10	00:47	
61943-1 1/10	Fe	23726.19140	23856.20312	23596.18164	0.77493	ug/L	10/19/10	00:47	
61943-1 1/10	2Fe	23.72293	23.85351	23.59234	0.77845	mg/L	10/19/10	00:47	
61943-1 1/10	K	452.49777	466.96804	438.02749	4.52246	ug/L	10/19/10	00:47	
61943-1 1/10	Mg	31484.17578	31626.95312	31341.39843	0.64133	ug/L	10/19/10	00:47	
61943-1 1/10	2Mg	31.47357	31.61630	31.33085	0.64131	mg/L	10/19/10	00:47	
61943-1 1/10	Mn	5375.39257	5402.38916	5348.39599	0.71025	ug/L	10/19/10	00:47	
61943-1 1/10	Mo	1.79686	1.79808	1.79564	0.09607	ug/L	10/19/10	00:47	
61943-1 1/10	Na	8418.93847	8592.81445	8245.06250	2.92076	ug/L	10/19/10	00:47	
61943-1 1/10	Ni	48220.85937	48438.00781	48003.71093	0.63684	ug/L	10/19/10	00:47	
61943-1 1/10	Pb	6.39328	4.18858	8.59798	48.76861	ug/L	10/19/10	00:47	
61943-1 1/10	Se	3.81768	12.43077	-4.79539	319.06054	ug/L	10/19/10	00:47	
61943-1 1/10	Sb	-6.79873	-3.77415	-9.82332	62.91479	ug/L	10/19/10	00:47	
61943-1 1/10	Sn	0.00636	2.05483	-2.04210	45508.53906	ug/L	10/19/10	00:47	
61943-1 1/10	Sr	146.43121	147.24478	145.61763	0.78574	ug/L	10/19/10	00:47	
61943-1 1/10	Ti	6.52326	6.36460	6.68192	3.43967	ug/L	10/19/10	00:47	
61943-1 1/10	Tl	-1.28237	-5.73275	3.16800	490.79049	ug/L	10/19/10	00:47	
61943-1 1/10	V	1523.15515	1531.64953	1514.66076	0.78868	ug/L	10/19/10	00:47	
61943-1 1/10	Zn	3007.29028	3019.97729	2994.60327	0.59662	ug/L	10/19/10	00:47	
61943-1 1/10	2203/1	24.50386	20.55486	28.45286	22.79122	ug/L	10/19/10	00:47	
61943-1 1/10	2203/2	-2.64842	-3.98227	-1.31457	71.22552	ug/L	10/19/10	00:47	
61943-1 1/10	1960/1	5.82189	15.33472	-3.69093	231.07902	ug/L	10/19/10	00:47	
61943-1 1/10	1960/2	2.81708	10.98097	-5.34679	409.83715	ug/L	10/19/10	00:47	
61943-1 1/10	Y	1081.61547	1080.84594	1082.38500	0.10061		10/19/10	00:47	
62060-1	Ag	0.93759	1.26562	0.60955	49.47891	ug/L	10/19/10	00:53	
62060-1	Al	1157.60839	1157.88244	1157.33435	0.03347	ug/L	10/19/10	00:53	
62060-1	2Al	1.15758	1.15775	1.15741	0.02109	mg/L	10/19/10	00:53	
62060-1	As	-1.36947	-0.07253	-2.66641	133.93046	ug/L	10/19/10	00:53	
62060-1	B	17.78878	16.06423	19.51333	13.71021	ug/L	10/19/10	00:53	
62060-1	Ba	22.76172	22.88994	22.63350	0.79663	ug/L	10/19/10	00:53	
62060-1	Be	0.02475	0.01096	0.03854	78.77903	ug/L	10/19/10	00:53	
62060-1	Ca	2164.49584	2165.64990	2163.34179	0.07540	ug/L	10/19/10	00:53	
62060-1	Cd	0.27281	0.39455	0.15107	63.10805	ug/L	10/19/10	00:53	
62060-1	Co	0.34414	0.34263	0.34564	0.61758	ug/L	10/19/10	00:53	
62060-1	Cr	2.84043	2.40073	3.28014	21.89218	ug/L	10/19/10	00:53	
62060-1	Cu	0.97619	0.56791	1.38446	59.14683	ug/L	10/19/10	00:53	
62060-1	Fe	3750.79394	3755.45092	3746.13720	0.17558	ug/L	10/19/10	00:53	
62060-1	2Fe	3.75031	3.75497	3.74566	0.17559	mg/L	10/19/10	00:53	
62060-1	K	392.04241	395.71499	388.36987	1.32480	ug/L	10/19/10	00:53	
62060-1	Mg	2468.39501	2467.81225	2468.97753	0.03338	ug/L	10/19/10	00:53	
62060-1	2Mg	2.46704	2.46645	2.46762	0.03345	mg/L	10/19/10	00:53	
62060-1	Mn	6.01004	6.00532	6.01476	0.11114	ug/L	10/19/10	00:53	
62060-1	Mo	1.73567	1.87046	1.60089	10.98234	ug/L	10/19/10	00:53	
62060-1	Na	5554.88281	5663.73486	5446.03027	2.77126	ug/L	10/19/10	00:53	
62060-1	Ni	1.70269	1.99016	1.41523	23.87597	ug/L	10/19/10	00:53	
62060-1	Pb	-0.01512	1.19767	-1.22793	11336.22558	ug/L	10/19/10	00:53	
62060-1	Se	-2.34665	-3.64755	-1.04576	78.39839	ug/L	10/19/10	00:53	
62060-1	Sb	-4.93788	-5.97032	-3.90544	29.56914	ug/L	10/19/10	00:53	
62060-1	Sn	0.85854	3.76703	-2.04994	479.09378	ug/L	10/19/10	00:53	
62060-1	Sr	25.49917	25.48138	25.51696	0.09865	ug/L	10/19/10	00:53	
62060-1	Ti	46.36696	47.33854	45.39538	2.96335	ug/L	10/19/10	00:53	
62060-1	Tl	-3.73318	-5.21442	-2.25194	56.11280	ug/L	10/19/10	00:53	
62060-1	V	4.46627	5.25165	3.68089	24.86844	ug/L	10/19/10	00:53	
62060-1	Zn	7.31978	7.42107	7.21849	1.95696	ug/L	10/19/10	00:53	
62060-1	2203/1	0.24310	1.55734	-1.07113	764.53631	ug/L	10/19/10	00:53	
62060-1	2203/2	-0.14405	1.01810	-1.30621	1140.92370	ug/L	10/19/10	00:53	
62060-1	1960/1	1.18477	-0.10671	2.47626	154.15937	ug/L	10/19/10	00:53	
62060-1	1960/2	-4.10973	-5.41531	-2.80414	44.92709	ug/L	10/19/10	00:53	
62060-1	Y	988.11895	987.74096	988.49694	0.05409		10/19/10	00:53	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62060-1L	Ag	0.49824	0.14712	0.84936	99.66207	ug/L	10/19/10	00:58	
62060-1L	Al	261.51190	253.11819	269.90560	4.53917	ug/L	10/19/10	00:58	
62060-1L	2Al	0.26152	0.25313	0.26992	4.53917	mg/L	10/19/10	00:58	
62060-1L	As	0.41695	-0.40517	1.23909	278.84475	ug/L	10/19/10	00:58	
62060-1L	B	1.45789	1.52019	1.39558	6.04368	ug/L	10/19/10	00:58	
62060-1L	Ba	4.66140	4.52245	4.80035	4.21564	ug/L	10/19/10	00:58	
62060-1L	Be	0.00530	-0.03610	0.04670	1104.54333	ug/L	10/19/10	00:58	
62060-1L	Ca	461.89602	468.48449	455.30755	2.01722	ug/L	10/19/10	00:58	
62060-1L	Cd	0.00169	-0.10918	0.11257	9265.90332	ug/L	10/19/10	00:58	
62060-1L	Co	0.26299	-0.30319	0.82919	304.45834	ug/L	10/19/10	00:58	
62060-1L	Cr	0.72262	0.48399	0.96124	46.70024	ug/L	10/19/10	00:58	
62060-1L	Cu	-0.07638	-0.05352	-0.09923	42.31840	ug/L	10/19/10	00:58	
62060-1L	Fe	782.99072	787.39978	778.58166	0.79635	ug/L	10/19/10	00:58	
62060-1L	2Fe	0.78289	0.78729	0.77848	0.79629	mg/L	10/19/10	00:58	
62060-1L	K	88.57810	81.43975	95.71646	11.39690	ug/L	10/19/10	00:58	
62060-1L	Mg	506.04061	515.39440	496.68682	2.61407	ug/L	10/19/10	00:58	
62060-1L	2Mg	0.50576	0.51511	0.49641	2.61452	mg/L	10/19/10	00:58	
62060-1L	Mn	1.70808	1.46405	1.95211	20.20481	ug/L	10/19/10	00:58	
62060-1L	Mo	0.85573	3.33167	-1.62020	409.17932	ug/L	10/19/10	00:58	
62060-1L	Na	1212.32629	1286.53833	1138.11425	8.65704	ug/L	10/19/10	00:58	
62060-1L	Ni	4.38812	2.06646	6.70978	74.82295	ug/L	10/19/10	00:58	
62060-1L	Pb	-0.91330	0.38844	-2.21506	201.57023	ug/L	10/19/10	00:58	
62060-1L	Se	-4.56211	-4.82810	-4.29611	8.24564	ug/L	10/19/10	00:58	
62060-1L	Sb	-7.58844	-12.32676	-2.85012	88.30524	ug/L	10/19/10	00:58	
62060-1L	Sn	-0.27593	-2.99328	2.44142	1392.70849	ug/L	10/19/10	00:58	
62060-1L	Sr	5.27119	5.37784	5.16453	2.86148	ug/L	10/19/10	00:58	
62060-1L	Ti	10.22585	10.41145	10.04026	2.56671	ug/L	10/19/10	00:58	
62060-1L	Tl	2.62121	4.88771	0.35471	122.28350	ug/L	10/19/10	00:58	
62060-1L	V	1.55110	0.41186	2.69033	103.86920	ug/L	10/19/10	00:58	
62060-1L	Zn	2.04963	1.82570	2.27356	15.45099	ug/L	10/19/10	00:58	
62060-1L	2203/1	5.64856	3.53157	7.76554	53.00228	ug/L	10/19/10	00:58	
62060-1L	2203/2	-4.18932	-1.18076	-7.19788	101.56167	ug/L	10/19/10	00:58	
62060-1L	1960/1	3.51460	1.88191	5.14729	65.69661	ug/L	10/19/10	00:58	
62060-1L	1960/2	-8.59441	-8.17808	-9.01074	6.85068	ug/L	10/19/10	00:58	
62060-1L	Y	969.25494	951.53393	986.97595	2.58562		10/19/10	00:58	
62060-1A	Ag	43.62311	44.06739	43.17882	1.44032	ug/L	10/19/10	01:03	
62060-1A	Al	3204.85058	3200.53588	3209.16503	0.19039	ug/L	10/19/10	01:03	
62060-1A	2Al	3.20505	3.20074	3.20937	0.19039	mg/L	10/19/10	01:03	
62060-1A	As	2015.24047	2019.59960	2010.88146	0.30590	ug/L	10/19/10	01:03	
62060-1A	B	910.81323	906.92547	914.70092	0.60364	ug/L	10/19/10	01:03	
62060-1A	Ba	2067.64111	2066.87670	2068.40576	0.05229	ug/L	10/19/10	01:03	
62060-1A	Be	50.49304	50.49891	50.48718	0.01642	ug/L	10/19/10	01:03	
62060-1A	Ca	6724.88769	6721.15820	6728.61767	0.07843	ug/L	10/19/10	01:03	
62060-1A	Cd	50.36356	50.20158	50.52553	0.45482	ug/L	10/19/10	01:03	
62060-1A	Co	514.13574	513.17138	515.10015	0.26526	ug/L	10/19/10	01:03	
62060-1A	Cr	205.74533	205.52162	205.96902	0.15376	ug/L	10/19/10	01:03	
62060-1A	Cu	253.10464	252.14590	254.06336	0.53568	ug/L	10/19/10	01:03	
62060-1A	Fe	4776.97656	4778.46923	4775.48339	0.04419	ug/L	10/19/10	01:03	
62060-1A	2Fe	4.77658	4.77807	4.77509	0.04418	mg/L	10/19/10	01:03	
62060-1A	K	4862.38867	4863.18798	4861.58984	0.02324	ug/L	10/19/10	01:03	
62060-1A	Mg	7073.94238	7069.61523	7078.27001	0.08651	ug/L	10/19/10	01:03	
62060-1A	2Mg	7.07134	7.06701	7.07567	0.08652	mg/L	10/19/10	01:03	
62060-1A	Mn	520.58081	520.41864	520.74304	0.04406	ug/L	10/19/10	01:03	
62060-1A	Mo	441.67047	438.49221	444.84872	1.01766	ug/L	10/19/10	01:03	
62060-1A	Na	10144.44921	10144.38183	10144.51562	0.00093	ug/L	10/19/10	01:03	
62060-1A	Ni	503.05773	503.30551	502.80996	0.06965	ug/L	10/19/10	01:03	
62060-1A	Pb	504.87164	505.03668	504.70657	0.04623	ug/L	10/19/10	01:03	
62060-1A	Se	1997.95751	1988.43432	2007.48071	0.67407	ug/L	10/19/10	01:03	
62060-1A	Sb	485.45104	484.43154	486.47058	0.29700	ug/L	10/19/10	01:03	
62060-1A	Sn	908.22302	907.75610	908.69000	0.07270	ug/L	10/19/10	01:03	
62060-1A	Sr	478.86596	479.63528	478.09667	0.22719	ug/L	10/19/10	01:03	
62060-1A	Ti	949.51550	948.84252	950.18841	0.10022	ug/L	10/19/10	01:03	
62060-1A	Tl	2039.76733	2038.04309	2041.49169	0.11954	ug/L	10/19/10	01:03	
62060-1A	V	509.06408	508.95770	509.17044	0.02955	ug/L	10/19/10	01:03	
62060-1A	Zn	521.69824	521.35467	522.04180	0.09313	ug/L	10/19/10	01:03	
62060-1A	2203/1	510.50183	514.57647	506.42715	1.12877	ug/L	10/19/10	01:03	
62060-1A	2203/2	502.06072	500.27392	503.84756	0.50331	ug/L	10/19/10	01:03	
62060-1A	1960/1	2054.88476	2049.34228	2060.42724	0.38144	ug/L	10/19/10	01:03	
62060-1A	1960/2	1969.53662	1958.02600	1981.04724	0.82651	ug/L	10/19/10	01:03	
62060-1A	Y	996.62847	996.59698	996.65997	0.00446		10/19/10	01:03	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62060-2	Ag	1.07084	0.36489	1.77680	93.23181	ug/L	10/19/10	01:08	
62060-2	Al	867.52050	869.47290	865.56817	0.31826	ug/L	10/19/10	01:08	
62060-2	2Al	0.86757	0.86953	0.86562	0.31826	mg/L	10/19/10	01:08	
62060-2	As	5.77077	-0.72793	12.26947	159.26045	ug/L	10/19/10	01:08	
62060-2	B	20.62649	19.90491	21.34807	4.94736	ug/L	10/19/10	01:08	
62060-2	Ba	11.49974	11.23042	11.76907	3.31212	ug/L	10/19/10	01:08	
62060-2	Be	0.05727	0.04370	0.07084	33.50447	ug/L	10/19/10	01:08	
62060-2	Ca	1590.22827	1588.38525	1592.07128	0.16390	ug/L	10/19/10	01:08	
62060-2	Cd	-0.13055	-0.30761	0.04649	191.78947	ug/L	10/19/10	01:08	
62060-2	Co	0.29512	0.85150	-0.26125	266.61343	ug/L	10/19/10	01:08	
62060-2	Cr	3.69687	3.56065	3.83310	5.21113	ug/L	10/19/10	01:08	
62060-2	Cu	0.83613	1.63232	0.03993	134.66667	ug/L	10/19/10	01:08	
62060-2	Fe	1649.44360	1647.44189	1651.44543	0.17162	ug/L	10/19/10	01:08	
62060-2	2Fe	1.64923	1.64723	1.65123	0.17161	mg/L	10/19/10	01:08	
62060-2	K	1048.24316	1036.43249	1060.05371	1.59340	ug/L	10/19/10	01:08	
62060-2	Mg	1051.33557	1050.19445	1052.47668	0.15349	ug/L	10/19/10	01:08	
62060-2	2Mg	1.05075	1.04961	1.05189	0.15348	mg/L	10/19/10	01:08	
62060-2	Mn	6.81513	6.82473	6.80553	0.19923	ug/L	10/19/10	01:08	
62060-2	Mo	1.40714	1.93797	0.87631	53.34931	ug/L	10/19/10	01:08	
62060-2	Na	6679.93066	6738.21386	6621.64697	1.23392	ug/L	10/19/10	01:08	
62060-2	Ni	0.73021	1.07862	0.38179	67.47796	ug/L	10/19/10	01:08	
62060-2	Pb	-1.95609	-3.24471	-0.66747	93.16463	ug/L	10/19/10	01:08	
62060-2	Se	1.08930	2.68275	-0.50415	206.87397	ug/L	10/19/10	01:08	
62060-2	Sb	2.56602	4.04488	1.08716	81.50453	ug/L	10/19/10	01:08	
62060-2	Sn	1.65137	4.16724	-0.86450	215.45620	ug/L	10/19/10	01:08	
62060-2	Sr	29.04904	29.05539	29.04270	0.03089	ug/L	10/19/10	01:08	
62060-2	Ti	108.36261	109.63636	107.08886	1.66233	ug/L	10/19/10	01:08	
62060-2	Tl	-0.03463	-4.04305	3.97377	16365.23437	ug/L	10/19/10	01:08	
62060-2	V	4.85758	4.82772	4.88743	0.86920	ug/L	10/19/10	01:08	
62060-2	Zn	7.88271	8.17883	7.58659	5.31266	ug/L	10/19/10	01:08	
62060-2	2203/1	3.73417	3.16174	4.30659	21.67890	ug/L	10/19/10	01:08	
62060-2	2203/2	-4.79695	-6.44314	-3.15077	48.53192	ug/L	10/19/10	01:08	
62060-2	1960/1	11.61125	16.20536	7.01714	55.95480	ug/L	10/19/10	01:08	
62060-2	1960/2	-4.16378	-4.06841	-4.25916	3.23937	ug/L	10/19/10	01:08	
62060-2	Y	999.77392	999.42297	1000.12493	0.04964		10/19/10	01:08	
CCV	Ag	502.04296	501.57629	502.50961	0.13145	ug/L	10/19/10	01:13	
CCV	Al	5014.76660	5006.55712	5022.97656	0.23152	ug/L	10/19/10	01:13	
CCV	2Al	5.01464	5.00643	5.02285	0.23154	mg/L	10/19/10	01:13	
CCV	As	511.54684	511.79187	511.30181	0.06773	ug/L	10/19/10	01:13	
CCV	B	5022.89550	5015.51123	5030.28027	0.20791	ug/L	10/19/10	01:13	
CCV	Ba	5042.45605	5041.08447	5043.82714	0.03846	ug/L	10/19/10	01:13	
CCV	Be	505.01446	504.22830	505.80062	0.22015	ug/L	10/19/10	01:13	
CCV	Ca	5008.93652	5002.26318	5015.60937	0.18840	ug/L	10/19/10	01:13	
CCV	Cd	496.74365	496.21252	497.27474	0.15120	ug/L	10/19/10	01:13	
CCV	Co	506.92480	507.26953	506.58010	0.09616	ug/L	10/19/10	01:13	
CCV	Cr	5036.33007	5028.52880	5044.13085	0.21905	ug/L	10/19/10	01:13	
CCV	Cu	5042.60253	5039.16699	5046.03857	0.09635	ug/L	10/19/10	01:13	
CCV	Fe	5043.64355	5053.17187	5034.11523	0.26716	ug/L	10/19/10	01:13	
CCV	2Fe	5.04364	5.05317	5.03412	0.26713	mg/L	10/19/10	01:13	
CCV	K	10024.57421	10023.18066	10025.96777	0.01965	ug/L	10/19/10	01:13	
CCV	Mg	5130.81591	5118.89550	5142.73632	0.32856	ug/L	10/19/10	01:13	
CCV	2Mg	5.13080	5.11888	5.14272	0.32860	mg/L	10/19/10	01:13	
CCV	Mn	5078.75634	5072.28906	5085.22363	0.18008	ug/L	10/19/10	01:13	
CCV	Mo	495.65451	498.48818	492.82083	0.80851	ug/L	10/19/10	01:13	
CCV	Na	7453.41796	7540.22998	7366.60546	1.64717	ug/L	10/19/10	01:13	
CCV	Ni	2511.07958	2506.32080	2515.83862	0.26801	ug/L	10/19/10	01:13	
CCV	Pb	504.87686	505.66864	504.08508	0.22178	ug/L	10/19/10	01:13	
CCV	Se	5000.04101	5017.60839	4982.47314	0.49688	ug/L	10/19/10	01:13	
CCV	Sb	498.90426	495.83602	501.97250	0.86973	ug/L	10/19/10	01:13	
CCV	Sn	5043.03710	5041.62988	5044.44384	0.03945	ug/L	10/19/10	01:13	
CCV	Sr	2525.17822	2531.51074	2518.84570	0.35464	ug/L	10/19/10	01:13	
CCV	Ti	501.50231	501.12356	501.88110	0.10681	ug/L	10/19/10	01:13	
CCV	Tl	4997.03173	4999.68603	4994.37744	0.07511	ug/L	10/19/10	01:13	
CCV	V	5075.27539	5071.20605	5079.34472	0.11339	ug/L	10/19/10	01:13	
CCV	Zn	2530.73876	2526.16040	2535.31738	0.25585	ug/L	10/19/10	01:13	
CCV	2203/1	507.42202	512.67364	502.17041	1.46365	ug/L	10/19/10	01:13	
CCV	2203/2	503.60620	502.17138	505.04098	0.40291	ug/L	10/19/10	01:13	
CCV	1960/1	5100.99853	5135.19384	5066.80322	0.94803	ug/L	10/19/10	01:13	
CCV	1960/2	4949.63769	4958.90380	4940.37109	0.26475	ug/L	10/19/10	01:13	
CCV	Y	985.34240	984.96893	985.71594	0.05360		10/19/10	01:13	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.46218	0.31206	0.61229	45.93415	ug/L	10/19/10	01:19	
CCB	Al	-15.59560	-20.41656	-10.77464	43.71658	ug/L	10/19/10	01:19	
CCB	2Al	-0.01559	-0.02041	-0.01077	43.71650	mg/L	10/19/10	01:19	
CCB	As	1.03906	3.19860	-1.12047	293.92370	ug/L	10/19/10	01:19	
CCB	B	7.73826	8.74322	6.73329	18.36631	ug/L	10/19/10	01:19	
CCB	Ba	1.03830	0.14639	1.93020	121.48165	ug/L	10/19/10	01:19	
CCB	Be	0.08322	-0.00689	0.17335	153.14286	ug/L	10/19/10	01:19	
CCB	Ca	3.10440	3.02369	3.18512	3.67702	ug/L	10/19/10	01:19	
CCB	Cd	-0.10618	-0.45721	0.24484	467.51522	ug/L	10/19/10	01:19	
CCB	Co	0.72637	0.37271	1.08003	68.85588	ug/L	10/19/10	01:19	
CCB	Cr	0.84646	-0.20189	1.89481	175.15260	ug/L	10/19/10	01:19	
CCB	Cu	0.69079	-0.10462	1.48621	162.84004	ug/L	10/19/10	01:19	
CCB	Fe	-3.00106	-10.68548	4.68334	362.11791	ug/L	10/19/10	01:19	
CCB	2Fe	-0.00300	-0.01068	0.00468	362.15856	mg/L	10/19/10	01:19	
CCB	K	-0.34844	-3.92101	3.22413	1449.99243	ug/L	10/19/10	01:19	
CCB	Mg	-4.23464	-5.77664	-2.69263	51.49729	ug/L	10/19/10	01:19	
CCB	2Mg	-0.00423	-0.00577	-0.00269	51.47720	mg/L	10/19/10	01:19	
CCB	Mn	0.96072	0.09275	1.82870	127.76737	ug/L	10/19/10	01:19	
CCB	Mo	0.79614	1.78032	-0.18803	174.82183	ug/L	10/19/10	01:19	
CCB	Na	-19.99326	2.33011	-42.31663	157.90328	ug/L	10/19/10	01:19	
CCB	Ni	1.10630	-0.46301	2.67562	200.60923	ug/L	10/19/10	01:19	
CCB	Pb	-0.86429	-2.70862	0.98002	301.77868	ug/L	10/19/10	01:19	
CCB	Se	-0.28387	0.03179	-0.59954	157.25993	ug/L	10/19/10	01:19	
CCB	Sb	-7.85668	-7.83165	-7.88170	0.45045	ug/L	10/19/10	01:19	
CCB	Sn	0.98239	1.90244	0.06233	132.44808	ug/L	10/19/10	01:19	
CCB	Sr	0.46986	0.01115	0.92856	138.06404	ug/L	10/19/10	01:19	
CCB	Ti	-0.01623	-0.10646	0.07399	786.09930	ug/L	10/19/10	01:19	
CCB	Tl	-2.99669	-3.59085	-2.40252	28.04012	ug/L	10/19/10	01:19	
CCB	V	0.47587	-0.04514	0.99689	154.83905	ug/L	10/19/10	01:19	
CCB	Zn	0.45822	-0.10611	1.02257	174.17166	ug/L	10/19/10	01:19	
CCB	2203/1	0.63373	-0.55871	1.82619	266.10137	ug/L	10/19/10	01:19	
CCB	2203/2	-1.61219	-3.78196	0.55757	190.33178	ug/L	10/19/10	01:19	
CCB	1960/1	1.83682	-0.42264	4.09629	173.96153	ug/L	10/19/10	01:19	
CCB	1960/2	-1.34263	0.25866	-2.94393	168.66732	ug/L	10/19/10	01:19	
CCB	Y	986.69244	988.12792	985.25695	0.20574		10/19/10	01:19	
62145-2	Ag	-0.16413	-0.22398	-0.10428	51.56690	ug/L	10/19/10	01:24	
62145-2	Al	3189.31591	3191.59179	3187.04028	0.10091	ug/L	10/19/10	01:24	
62145-2	2Al	3.18932	3.19139	3.18725	0.09186	mg/L	10/19/10	01:24	
62145-2	As	0.28236	0.12888	0.43584	76.86985	ug/L	10/19/10	01:24	
62145-2	B	83.02287	84.99924	81.04650	3.36654	ug/L	10/19/10	01:24	
62145-2	Ba	43.45218	43.23109	43.67328	0.71958	ug/L	10/19/10	01:24	
62145-2	Be	0.14483	0.11708	0.17257	27.09071	ug/L	10/19/10	01:24	
62145-2	Ca	7330.55517	7327.61474	7333.49560	0.05672	ug/L	10/19/10	01:24	
62145-2	Cd	0.39003	0.28828	0.49179	36.89487	ug/L	10/19/10	01:24	
62145-2	Co	1.76363	1.76719	1.76006	0.28590	ug/L	10/19/10	01:24	
62145-2	Cr	21.45330	21.03454	21.87205	2.76047	ug/L	10/19/10	01:24	
62145-2	Cu	25.46190	26.02500	24.89880	3.12759	ug/L	10/19/10	01:24	
62145-2	Fe	39835.93750	39782.08984	39889.78125	0.19115	ug/L	10/19/10	01:24	
62145-2	2Fe	39.82894	39.77317	39.88472	0.19805	mg/L	10/19/10	01:24	
62145-2	K	38147.73046	38164.42968	38131.03125	0.06190	ug/L	10/19/10	01:24	
62145-2	Mg	7183.21679	7176.04248	7190.39111	0.14124	ug/L	10/19/10	01:24	
62145-2	2Mg	7.17429	7.16713	7.18145	0.14119	mg/L	10/19/10	01:24	
62145-2	Mn	240.57006	240.58486	240.55526	0.00870	ug/L	10/19/10	01:24	
62145-2	Mo	0.98139	1.52226	0.44053	77.93964	ug/L	10/19/10	01:24	
62145-2	Na	67473.11718	67449.17968	67497.05468	0.05017	ug/L	10/19/10	01:24	
62145-2	Ni	16.19511	15.37600	17.01421	7.15269	ug/L	10/19/10	01:24	
62145-2	Pb	26.41426	24.50575	28.32277	10.21812	ug/L	10/19/10	01:24	
62145-2	Se	4.33965	6.13385	2.54544	58.47002	ug/L	10/19/10	01:24	
62145-2	Sb	-2.41877	-2.40434	-2.43320	0.84361	ug/L	10/19/10	01:24	
62145-2	Sn	1.53283	1.40068	1.66498	12.19233	ug/L	10/19/10	01:24	
62145-2	Sr	57.34787	57.38594	57.30980	0.09388	ug/L	10/19/10	01:24	
62145-2	Ti	212.45924	212.49493	212.42355	0.02375	ug/L	10/19/10	01:24	
62145-2	Tl	-1.67276	-12.06017	8.71464	878.18572	ug/L	10/19/10	01:24	
62145-2	V	10.45000	10.00058	10.89942	6.08208	ug/L	10/19/10	01:24	
62145-2	Zn	272.08654	271.80078	272.37234	0.14853	ug/L	10/19/10	01:24	
62145-2	2203/1	29.95712	27.73987	32.17436	10.46715	ug/L	10/19/10	01:24	
62145-2	2203/2	24.64548	22.89111	26.39986	10.06700	ug/L	10/19/10	01:24	
62145-2	1960/1	3.27041	3.85012	2.69069	25.06858	ug/L	10/19/10	01:24	
62145-2	1960/2	4.87346	7.27401	2.47292	69.66047	ug/L	10/19/10	01:24	
62145-2	Y	982.23297	981.10797	983.35797	0.16197		10/19/10	01:24	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61984-1	Ag	0.61208	0.13394	1.09022	110.47258	ug/L	10/19/10	01:29	
61984-1	Al	94.61746	94.25476	94.98014	0.54209	ug/L	10/19/10	01:29	
61984-1	2Al	0.09462	0.09426	0.09498	0.54210	mg/L	10/19/10	01:29	
61984-1	As	-0.90272	-2.68396	0.87850	279.04806	ug/L	10/19/10	01:29	
61984-1	B	658.32409	659.12890	657.51922	0.17289	ug/L	10/19/10	01:29	
61984-1	Ba	63.24694	63.23430	63.25959	0.02826	ug/L	10/19/10	01:29	
61984-1	Be	0.03259	0.02836	0.03681	18.33781	ug/L	10/19/10	01:29	
61984-1	Ca	28771.09960	28741.81445	28800.38476	0.14394	ug/L	10/19/10	01:29	
61984-1	Cd	-0.15093	-0.10749	-0.19436	40.69804	ug/L	10/19/10	01:29	
61984-1	Co	0.33093	0.62132	0.04054	124.09375	ug/L	10/19/10	01:29	
61984-1	Cr	0.66000	0.49647	0.82353	35.03977	ug/L	10/19/10	01:29	
61984-1	Cu	2.30456	2.77539	1.83373	28.89256	ug/L	10/19/10	01:29	
61984-1	Fe	135.99746	133.32669	138.66825	2.77730	ug/L	10/19/10	01:29	
61984-1	2Fe	0.13598	0.13331	0.13865	2.77714	mg/L	10/19/10	01:29	
61984-1	K	3976.85644	3971.14746	3982.56518	0.20301	ug/L	10/19/10	01:29	
61984-1	Mg	1036.82324	1036.11853	1037.52783	0.09611	ug/L	10/19/10	01:29	
61984-1	2Mg	1.03650	1.03580	1.03721	0.09605	mg/L	10/19/10	01:29	
61984-1	Mn	6.40106	6.41110	6.39102	0.22178	ug/L	10/19/10	01:29	
61984-1	Mo	-1.62214	-1.53135	-1.71293	7.91519	ug/L	10/19/10	01:29	
61984-1	Na	6828.16601	6851.63769	6804.69433	0.48613	ug/L	10/19/10	01:29	
61984-1	Ni	2.34631	1.00780	3.68482	80.67723	ug/L	10/19/10	01:29	
61984-1	Pb	-1.15710	-1.15043	-1.16377	0.81518	ug/L	10/19/10	01:29	
61984-1	Se	-2.60811	-2.41166	-2.80455	10.65186	ug/L	10/19/10	01:29	
61984-1	Sb	-4.39172	-8.09526	-0.68817	119.26084	ug/L	10/19/10	01:29	
61984-1	Sn	-2.18859	-2.87475	-1.50244	44.33750	ug/L	10/19/10	01:29	
61984-1	Sr	379.76092	379.51617	380.00570	0.09114	ug/L	10/19/10	01:29	
61984-1	Ti	1.01455	1.23346	0.79563	30.51492	ug/L	10/19/10	01:29	
61984-1	Tl	-3.11929	-2.65240	-3.58619	21.16779	ug/L	10/19/10	01:29	
61984-1	V	0.71859	1.29318	0.14399	113.08238	ug/L	10/19/10	01:29	
61984-1	Zn	28.06207	28.37317	27.75096	1.56784	ug/L	10/19/10	01:29	
61984-1	2203/1	3.79099	3.40292	4.17905	14.47665	ug/L	10/19/10	01:29	
61984-1	2203/2	-3.62744	-3.42370	-3.83119	7.94317	ug/L	10/19/10	01:29	
61984-1	1960/1	-1.87057	-4.36045	0.61931	188.24383	ug/L	10/19/10	01:29	
61984-1	1960/2	-2.97632	-1.43873	-4.51392	73.05940	ug/L	10/19/10	01:29	
61984-1	Y	985.88696	986.55297	985.22094	0.09553		10/19/10	01:29	
61984-2	Ag	-0.01467	-0.28376	0.25442	2593.78710	ug/L	10/19/10	01:34	
61984-2	Al	122.46548	126.68787	118.24309	4.87595	ug/L	10/19/10	01:34	
61984-2	2Al	0.12247	0.12669	0.11825	4.87595	mg/L	10/19/10	01:34	
61984-2	As	3.56117	5.37352	1.74883	71.97187	ug/L	10/19/10	01:34	
61984-2	B	14396.10253	14359.03906	14433.16601	0.36409	ug/L	10/19/10	01:34	
61984-2	Ba	91.57714	91.20740	91.94688	0.57098	ug/L	10/19/10	01:34	
61984-2	Be	-0.00459	-0.02725	0.01806	697.23675	ug/L	10/19/10	01:34	
61984-2	Ca	23517.35156	23498.49023	23536.21484	0.11342	ug/L	10/19/10	01:34	
61984-2	Cd	0.00182	-0.42287	0.42652	32957.85937	ug/L	10/19/10	01:34	
61984-2	Co	2.93476	3.33856	2.53096	19.45827	ug/L	10/19/10	01:34	
61984-2	Cr	1.38388	1.98942	0.77833	61.88140	ug/L	10/19/10	01:34	
61984-2	Cu	3.65423	4.17508	3.13337	20.15739	ug/L	10/19/10	01:34	
61984-2	Fe	41181.71875	41057.32031	41306.11718	0.42719	ug/L	10/19/10	01:34	
61984-2	2Fe	41.17584	41.05081	41.30088	0.42942	mg/L	10/19/10	01:34	
61984-2	K	2069.80029	2067.05786	2072.54248	0.18737	ug/L	10/19/10	01:34	
61984-2	Mg	9103.42773	9094.02148	9112.83398	0.14612	ug/L	10/19/10	01:34	
61984-2	2Mg	9.09366	9.08428	9.10305	0.14590	mg/L	10/19/10	01:34	
61984-2	Mn	115.32149	115.19130	115.45168	0.15965	ug/L	10/19/10	01:34	
61984-2	Mo	-2.25320	-2.25276	-2.25364	0.02746	ug/L	10/19/10	01:34	
61984-2	Na	17558.25390	17611.08203	17505.42578	0.42549	ug/L	10/19/10	01:34	
61984-2	Ni	4.56086	4.38458	4.73713	5.46590	ug/L	10/19/10	01:34	
61984-2	Pb	0.75666	1.49599	0.01733	138.18179	ug/L	10/19/10	01:34	
61984-2	Se	-0.18113	-2.35893	1.99667	1700.36523	ug/L	10/19/10	01:34	
61984-2	Sb	-7.24183	-14.84079	0.35712	148.39541	ug/L	10/19/10	01:34	
61984-2	Sn	0.77480	3.31673	-1.76713	463.97079	ug/L	10/19/10	01:34	
61984-2	Sr	352.58685	352.12509	353.04858	0.18520	ug/L	10/19/10	01:34	
61984-2	Ti	1.18079	1.27105	1.09054	10.80943	ug/L	10/19/10	01:34	
61984-2	Tl	-3.08252	-7.80839	1.64335	216.81590	ug/L	10/19/10	01:34	
61984-2	V	-0.30287	-0.72661	0.12085	197.85154	ug/L	10/19/10	01:34	
61984-2	Zn	12.04911	12.27942	11.81881	2.70308	ug/L	10/19/10	01:34	
61984-2	2203/1	3.65046	1.75336	5.54755	73.49462	ug/L	10/19/10	01:34	
61984-2	2203/2	-0.68806	1.36749	-2.74363	422.48937	ug/L	10/19/10	01:34	
61984-2	1960/1	6.81855	6.70205	6.93505	2.41633	ug/L	10/19/10	01:34	
61984-2	1960/2	-3.67572	-6.88263	-0.46881	123.38394	ug/L	10/19/10	01:34	
61984-2	Y	984.34344	984.52795	984.15893	0.02650		10/19/10	01:34	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61984-3	Ag	0.15927	-0.28323	0.60179	392.90957	ug/L	10/19/10	01:40	
61984-3	Al	79.61663	78.07721	81.15605	2.73444	ug/L	10/19/10	01:40	
61984-3	2Al	0.07962	0.07808	0.08116	2.73444	mg/L	10/19/10	01:40	
61984-3	As	1.63657	3.26678	0.00635	140.87184	ug/L	10/19/10	01:40	
61984-3	B	95.79637	101.29928	90.29347	8.12377	ug/L	10/19/10	01:40	
61984-3	Ba	46.41950	46.47929	46.35970	0.18217	ug/L	10/19/10	01:40	
61984-3	Be	0.12287	0.11299	0.13274	11.36601	ug/L	10/19/10	01:40	
61984-3	Ca	1905.67651	1907.66247	1903.69042	0.14738	ug/L	10/19/10	01:40	
61984-3	Cd	0.31185	-0.00074	0.62445	141.76019	ug/L	10/19/10	01:40	
61984-3	Co	0.35140	0.23981	0.46300	44.91056	ug/L	10/19/10	01:40	
61984-3	Cr	0.53260	0.21215	0.85304	85.08721	ug/L	10/19/10	01:40	
61984-3	Cu	0.58504	0.58419	0.58588	0.20483	ug/L	10/19/10	01:40	
61984-3	Fe	40.40752	40.48170	40.33335	0.25960	ug/L	10/19/10	01:40	
61984-3	2Fe	0.04040	0.04047	0.04032	0.25924	mg/L	10/19/10	01:40	
61984-3	K	553.65673	552.93878	554.37475	0.18339	ug/L	10/19/10	01:40	
61984-3	Mg	2629.94726	2629.81909	2630.07568	0.00689	ug/L	10/19/10	01:40	
61984-3	2Mg	2.62919	2.62907	2.62932	0.00689	mg/L	10/19/10	01:40	
61984-3	Mn	4.98168	4.96477	4.99859	0.48012	ug/L	10/19/10	01:40	
61984-3	Mo	0.43573	0.25899	0.61247	57.36195	ug/L	10/19/10	01:40	
61984-3	Na	2175.39746	2180.36132	2170.43334	0.32270	ug/L	10/19/10	01:40	
61984-3	Ni	1.80719	2.28341	1.33096	37.26661	ug/L	10/19/10	01:40	
61984-3	Pb	-0.17375	3.23281	-3.58032	2772.65087	ug/L	10/19/10	01:40	
61984-3	Se	2.76100	2.21097	3.31104	28.17330	ug/L	10/19/10	01:40	
61984-3	Sb	-0.49800	-3.23262	2.23661	776.56463	ug/L	10/19/10	01:40	
61984-3	Sn	-0.27110	-0.07162	-0.47058	104.05887	ug/L	10/19/10	01:40	
61984-3	Sr	38.14269	38.14294	38.14244	0.00092	ug/L	10/19/10	01:40	
61984-3	Ti	-0.17965	-0.26980	-0.08950	70.96187	ug/L	10/19/10	01:40	
61984-3	Tl	-8.82230	-14.28182	-3.36278	87.51596	ug/L	10/19/10	01:40	
61984-3	V	-0.49464	-1.15886	0.16956	189.89987	ug/L	10/19/10	01:40	
61984-3	Zn	9.84424	9.53958	10.14890	4.37666	ug/L	10/19/10	01:40	
61984-3	2203/1	0.47047	1.59162	-0.65068	337.01379	ug/L	10/19/10	01:40	
61984-3	2203/2	-0.49538	4.05218	-5.04295	1298.22985	ug/L	10/19/10	01:40	
61984-3	1960/1	1.42560	-3.09575	5.94695	448.52313	ug/L	10/19/10	01:40	
61984-3	1960/2	3.42768	4.86035	1.99501	59.10998	ug/L	10/19/10	01:40	
61984-3	Y	995.54846	993.30297	997.79394	0.31897		10/19/10	01:40	
61984-4	Ag	0.98570	0.78033	1.19106	29.46372	ug/L	10/19/10	01:45	
61984-4	Al	83.08822	87.52575	78.65068	7.55296	ug/L	10/19/10	01:45	
61984-4	2Al	0.08309	0.08753	0.07865	7.55295	mg/L	10/19/10	01:45	
61984-4	As	-0.57910	-0.46026	-0.69795	29.02269	ug/L	10/19/10	01:45	
61984-4	B	80.38254	81.36804	79.39704	1.73385	ug/L	10/19/10	01:45	
61984-4	Ba	48.14202	48.03433	48.24969	0.31631	ug/L	10/19/10	01:45	
61984-4	Be	0.14605	0.14108	0.15102	4.81051	ug/L	10/19/10	01:45	
61984-4	Ca	2149.53344	2147.78686	2151.28002	0.11491	ug/L	10/19/10	01:45	
61984-4	Cd	-0.37714	-0.08583	-0.66844	109.23548	ug/L	10/19/10	01:45	
61984-4	Co	1.51863	0.49409	2.54316	95.40892	ug/L	10/19/10	01:45	
61984-4	Cr	-0.11269	-0.48054	0.25516	461.63162	ug/L	10/19/10	01:45	
61984-4	Cu	0.95596	0.51455	1.39737	65.30056	ug/L	10/19/10	01:45	
61984-4	Fe	50.45065	41.65338	59.24791	24.66015	ug/L	10/19/10	01:45	
61984-4	2Fe	0.05044	0.04164	0.05924	24.66098	mg/L	10/19/10	01:45	
61984-4	K	575.82879	573.09954	578.55804	0.67029	ug/L	10/19/10	01:45	
61984-4	Mg	2734.70288	2731.37109	2738.03466	0.17229	ug/L	10/19/10	01:45	
61984-4	2Mg	2.73392	2.73059	2.73725	0.17221	mg/L	10/19/10	01:45	
61984-4	Mn	5.14387	5.10634	5.18139	1.03176	ug/L	10/19/10	01:45	
61984-4	Mo	1.49714	-0.36249	3.35678	175.66275	ug/L	10/19/10	01:45	
61984-4	Na	2264.92529	2272.64965	2257.20092	0.48230	ug/L	10/19/10	01:45	
61984-4	Ni	0.76412	1.15488	0.37337	72.31959	ug/L	10/19/10	01:45	
61984-4	Pb	-0.89128	-2.45746	0.67488	248.50651	ug/L	10/19/10	01:45	
61984-4	Se	-0.85727	1.69770	-3.41226	421.48443	ug/L	10/19/10	01:45	
61984-4	Sb	-10.82077	-10.43829	-11.20326	4.99883	ug/L	10/19/10	01:45	
61984-4	Sn	1.45584	0.18316	2.72851	123.62825	ug/L	10/19/10	01:45	
61984-4	Sr	39.04367	38.95385	39.13349	0.32532	ug/L	10/19/10	01:45	
61984-4	Ti	-0.22836	-0.44583	-0.01089	134.67318	ug/L	10/19/10	01:45	
61984-4	Tl	-2.62954	-4.49553	-0.76355	100.35608	ug/L	10/19/10	01:45	
61984-4	V	0.32681	-0.24616	0.89979	247.94624	ug/L	10/19/10	01:45	
61984-4	Zn	27.57407	27.30732	27.84082	1.36808	ug/L	10/19/10	01:45	
61984-4	2203/1	0.81236	-0.31070	1.93543	195.50978	ug/L	10/19/10	01:45	
61984-4	2203/2	-1.74183	-3.52924	0.04556	145.12065	ug/L	10/19/10	01:45	
61984-4	1960/1	8.11349	12.88384	3.34314	83.14900	ug/L	10/19/10	01:45	
61984-4	1960/2	-5.33596	-3.88697	-6.78496	38.40333	ug/L	10/19/10	01:45	
61984-4	Y	997.20446	996.20996	998.19897	0.14103		10/19/10	01:45	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62105-1	Ag	0.01548	0.25496	-0.22398	2186.51342	ug/L	10/19/10	01:50	
62105-1	Al	477.90020	478.32382	477.47662	0.12535	ug/L	10/19/10	01:50	
62105-1	2Al	0.47793	0.47835	0.47750	0.12535	mg/L	10/19/10	01:50	
62105-1	As	2.45717	3.51798	1.39636	61.05450	ug/L	10/19/10	01:50	
62105-1	B	21.81533	21.52629	22.10437	1.87376	ug/L	10/19/10	01:50	
62105-1	Ba	99.25863	99.44312	99.07415	0.26285	ug/L	10/19/10	01:50	
62105-1	Be	0.05101	0.05402	0.04799	8.35824	ug/L	10/19/10	01:50	
62105-1	Ca	11979.17382	11970.43652	11987.91210	0.10315	ug/L	10/19/10	01:50	
62105-1	Cd	0.12716	-0.02991	0.28423	174.68534	ug/L	10/19/10	01:50	
62105-1	Co	10.84875	11.39433	10.30317	7.11206	ug/L	10/19/10	01:50	
62105-1	Cr	1.84694	1.94726	1.74662	7.68154	ug/L	10/19/10	01:50	
62105-1	Cu	389.05004	388.88113	389.21899	0.06140	ug/L	10/19/10	01:50	
62105-1	Fe	10099.79882	10115.97460	10083.62304	0.22649	ug/L	10/19/10	01:50	
62105-1	2Fe	10.09852	10.11469	10.08234	0.22650	mg/L	10/19/10	01:50	
62105-1	K	5502.85156	5502.31396	5503.38867	0.01380	ug/L	10/19/10	01:50	
62105-1	Mg	2280.42993	2278.16943	2282.69042	0.14018	ug/L	10/19/10	01:50	
62105-1	2Mg	2.27934	2.27708	2.28160	0.14044	mg/L	10/19/10	01:50	
62105-1	Mn	2911.54589	2909.56079	2913.53125	0.09642	ug/L	10/19/10	01:50	
62105-1	Mo	1.01700	-0.63812	2.67213	230.15753	ug/L	10/19/10	01:50	
62105-1	Na	9798.03906	9783.68261	9812.39453	0.20720	ug/L	10/19/10	01:50	
62105-1	Ni	16.51088	16.71919	16.30258	1.78421	ug/L	10/19/10	01:50	
62105-1	Pb	8.57127	8.70366	8.43889	2.18426	ug/L	10/19/10	01:50	
62105-1	Se	8.19237	10.68191	5.70284	42.97577	ug/L	10/19/10	01:50	
62105-1	Sb	-3.02498	-2.07315	-3.97681	44.49916	ug/L	10/19/10	01:50	
62105-1	Sn	2.73574	2.87154	2.59995	7.01974	ug/L	10/19/10	01:50	
62105-1	Sr	68.54219	68.63459	68.44978	0.19066	ug/L	10/19/10	01:50	
62105-1	Ti	11.61517	11.96025	11.27008	4.20162	ug/L	10/19/10	01:50	
62105-1	Tl	-3.93334	-2.51686	-5.34982	50.92888	ug/L	10/19/10	01:50	
62105-1	V	2.49563	3.01039	1.98087	29.17005	ug/L	10/19/10	01:50	
62105-1	Zn	189.95196	189.87576	190.02815	0.05672	ug/L	10/19/10	01:50	
62105-1	2203/1	11.43506	12.41753	10.45259	12.15053	ug/L	10/19/10	01:50	
62105-1	2203/2	7.14152	6.84950	7.43354	5.78281	ug/L	10/19/10	01:50	
62105-1	1960/1	7.78156	14.08867	1.47446	114.62466	ug/L	10/19/10	01:50	
62105-1	1960/2	8.39747	8.98108	7.81385	9.82861	ug/L	10/19/10	01:50	
62105-1	Y	986.07147	983.04296	989.09997	0.43434		10/19/10	01:50	
62105-2	Ag	0.64255	1.09112	0.19399	98.72564	ug/L	10/19/10	01:55	
62105-2	Al	134.64102	137.02488	132.25714	2.50392	ug/L	10/19/10	01:55	
62105-2	2Al	0.13464	0.13703	0.13226	2.50391	mg/L	10/19/10	01:55	
62105-2	As	2.37676	2.30769	2.44582	4.10934	ug/L	10/19/10	01:55	
62105-2	B	8.81306	8.19218	9.43394	9.96317	ug/L	10/19/10	01:55	
62105-2	Ba	28.37853	28.45422	28.30284	0.37719	ug/L	10/19/10	01:55	
62105-2	Be	-0.00876	-0.00901	-0.00851	4.01227	ug/L	10/19/10	01:55	
62105-2	Ca	9437.78320	9436.31835	9439.24707	0.02194	ug/L	10/19/10	01:55	
62105-2	Cd	-0.03522	-0.31496	0.24451	1123.05139	ug/L	10/19/10	01:55	
62105-2	Co	0.68278	1.10550	0.26006	87.55561	ug/L	10/19/10	01:55	
62105-2	Cr	0.47426	-0.06079	1.00932	159.55056	ug/L	10/19/10	01:55	
62105-2	Cu	2.52715	2.27238	2.78193	14.25749	ug/L	10/19/10	01:55	
62105-2	Fe	719.51306	707.00659	732.01947	2.45815	ug/L	10/19/10	01:55	
62105-2	2Fe	0.71942	0.70691	0.73192	2.45812	mg/L	10/19/10	01:55	
62105-2	K	1852.59741	1847.53100	1857.66369	0.38674	ug/L	10/19/10	01:55	
62105-2	Mg	3288.26123	3290.09350	3286.42895	0.07880	ug/L	10/19/10	01:55	
62105-2	2Mg	3.28746	3.28929	3.28562	0.07889	mg/L	10/19/10	01:55	
62105-2	Mn	562.45385	562.59393	562.31378	0.03522	ug/L	10/19/10	01:55	
62105-2	Mo	-2.02677	-1.35511	-2.69842	46.86588	ug/L	10/19/10	01:55	
62105-2	Na	6068.00146	6037.65771	6098.34521	0.70719	ug/L	10/19/10	01:55	
62105-2	Ni	-0.13373	0.56167	-0.82913	735.38861	ug/L	10/19/10	01:55	
62105-2	Pb	-0.52289	1.23423	-2.28003	475.22894	ug/L	10/19/10	01:55	
62105-2	Se	-1.34085	2.25345	-4.93515	379.09613	ug/L	10/19/10	01:55	
62105-2	Sb	-4.23348	-2.41774	-6.04923	60.65567	ug/L	10/19/10	01:55	
62105-2	Sn	3.67315	2.49349	4.85282	45.41853	ug/L	10/19/10	01:55	
62105-2	Sr	56.54437	56.55223	56.53651	0.01966	ug/L	10/19/10	01:55	
62105-2	Ti	2.79991	2.55571	3.04410	12.33422	ug/L	10/19/10	01:55	
62105-2	Tl	-3.88093	-3.88576	-3.87610	0.17614	ug/L	10/19/10	01:55	
62105-2	V	0.96194	1.23325	0.69063	39.88684	ug/L	10/19/10	01:55	
62105-2	Zn	5.78491	5.39058	6.17923	9.63997	ug/L	10/19/10	01:55	
62105-2	2203/1	3.58806	6.60450	0.57161	118.89148	ug/L	10/19/10	01:55	
62105-2	2203/2	-2.57529	-1.44687	-3.70372	61.96710	ug/L	10/19/10	01:55	
62105-2	1960/1	4.13056	9.88414	-1.62301	196.98989	ug/L	10/19/10	01:55	
62105-2	1960/2	-4.07245	-1.55617	-6.58873	87.38122	ug/L	10/19/10	01:55	
62105-2	Y	985.09497	984.54595	985.64398	0.07881		10/19/10	01:55	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62105-3	Ag	-0.25404	-0.52413	0.01604	150.35459	ug/L	10/19/10	02:00	
62105-3	Al	373.72875	375.13510	372.32244	0.53216	ug/L	10/19/10	02:00	
62105-3	2Al	0.37375	0.37516	0.37234	0.53216	mg/L	10/19/10	02:00	
62105-3	As	2.65282	3.64515	1.66049	52.90074	ug/L	10/19/10	02:00	
62105-3	B	7.80427	8.06199	7.54655	4.67019	ug/L	10/19/10	02:00	
62105-3	Ba	33.26765	33.21302	33.32228	0.23223	ug/L	10/19/10	02:00	
62105-3	Be	0.03002	0.02538	0.03466	21.85250	ug/L	10/19/10	02:00	
62105-3	Ca	9840.62011	9833.35644	9847.88378	0.10438	ug/L	10/19/10	02:00	
62105-3	Cd	-0.16613	-0.00608	-0.32617	136.24328	ug/L	10/19/10	02:00	
62105-3	Co	1.14690	0.77368	1.52012	46.02022	ug/L	10/19/10	02:00	
62105-3	Cr	1.01707	1.01726	1.01689	0.02550	ug/L	10/19/10	02:00	
62105-3	Cu	9.30572	9.65844	8.95299	5.36042	ug/L	10/19/10	02:00	
62105-3	Fe	1099.27868	1080.07775	1118.47961	2.47018	ug/L	10/19/10	02:00	
62105-3	2Fe	1.09913	1.07994	1.11833	2.47020	mg/L	10/19/10	02:00	
62105-3	K	1895.72070	1888.45971	1902.98181	0.54167	ug/L	10/19/10	02:00	
62105-3	Mg	3390.67773	3386.62060	3394.73461	0.16921	ug/L	10/19/10	02:00	
62105-3	2Mg	3.38993	3.38588	3.39398	0.16907	mg/L	10/19/10	02:00	
62105-3	Mn	888.86218	888.18511	889.53918	0.10771	ug/L	10/19/10	02:00	
62105-3	Mo	-1.36089	-1.27101	-1.45077	9.33994	ug/L	10/19/10	02:00	
62105-3	Na	6183.10546	6144.75146	6221.45947	0.87724	ug/L	10/19/10	02:00	
62105-3	Ni	0.91190	0.83206	0.99174	12.38173	ug/L	10/19/10	02:00	
62105-3	Pb	-0.79811	2.22330	-3.81954	535.37628	ug/L	10/19/10	02:00	
62105-3	Se	1.84416	-0.91131	4.59964	211.30628	ug/L	10/19/10	02:00	
62105-3	Sb	-6.28784	-14.26031	1.68463	179.31085	ug/L	10/19/10	02:00	
62105-3	Sn	-0.43721	-2.21971	1.34529	576.57122	ug/L	10/19/10	02:00	
62105-3	Sr	58.61964	58.55416	58.68513	0.15797	ug/L	10/19/10	02:00	
62105-3	Ti	8.27083	8.28514	8.25652	0.24467	ug/L	10/19/10	02:00	
62105-3	Tl	-4.61338	-6.43355	-2.79320	55.79685	ug/L	10/19/10	02:00	
62105-3	V	1.04758	0.71319	1.38197	45.14168	ug/L	10/19/10	02:00	
62105-3	Zn	17.68037	17.78316	17.57757	0.82220	ug/L	10/19/10	02:00	
62105-3	2203/1	4.23555	4.19952	4.27159	1.20316	ug/L	10/19/10	02:00	
62105-3	2203/2	-3.31118	1.23668	-7.85905	194.24026	ug/L	10/19/10	02:00	
62105-3	1960/1	6.94596	5.44950	8.44242	30.46824	ug/L	10/19/10	02:00	
62105-3	1960/2	-0.70291	-4.08695	2.68113	680.84991	ug/L	10/19/10	02:00	
62105-3	Y	980.59045	980.42395	980.75695	0.02401		10/19/10	02:00	
62105-4	Ag	1.15722	0.97931	1.33512	21.74151	ug/L	10/19/10	02:06	
62105-4	Al	200.95065	200.16972	201.73156	0.54958	ug/L	10/19/10	02:06	
62105-4	2Al	0.20096	0.20018	0.20174	0.54958	mg/L	10/19/10	02:06	
62105-4	As	-4.07851	-3.72594	-4.43108	12.22533	ug/L	10/19/10	02:06	
62105-4	B	26.94405	27.56875	26.31935	3.27885	ug/L	10/19/10	02:06	
62105-4	Ba	64.96304	64.98001	64.94607	0.03694	ug/L	10/19/10	02:06	
62105-4	Be	0.03875	0.05167	0.02583	47.14922	ug/L	10/19/10	02:06	
62105-4	Ca	5449.09423	5456.05371	5442.13476	0.18062	ug/L	10/19/10	02:06	
62105-4	Cd	0.42796	0.23424	0.62168	64.01428	ug/L	10/19/10	02:06	
62105-4	Co	4.29893	4.90659	3.69126	19.99019	ug/L	10/19/10	02:06	
62105-4	Cr	0.78491	1.30215	0.26767	93.19259	ug/L	10/19/10	02:06	
62105-4	Cu	1577.63281	1579.86926	1575.39624	0.20048	ug/L	10/19/10	02:06	
62105-4	Fe	702.33404	687.90869	716.75939	2.90467	ug/L	10/19/10	02:06	
62105-4	2Fe	0.70224	0.68782	0.71666	2.90462	mg/L	10/19/10	02:06	
62105-4	K	1447.23266	1452.05969	1442.40563	0.47168	ug/L	10/19/10	02:06	
62105-4	Mg	843.39685	844.79895	841.99481	0.23509	ug/L	10/19/10	02:06	
62105-4	2Mg	0.84326	0.84466	0.84185	0.23552	mg/L	10/19/10	02:06	
62105-4	Mn	490.91958	491.31958	490.51959	0.11522	ug/L	10/19/10	02:06	
62105-4	Mo	-2.39961	-2.62920	-2.17002	13.53111	ug/L	10/19/10	02:06	
62105-4	Na	26017.36328	26116.99804	25917.72851	0.54158	ug/L	10/19/10	02:06	
62105-4	Ni	7.10314	5.68397	8.52231	28.25514	ug/L	10/19/10	02:06	
62105-4	Pb	17.11748	18.47603	15.75892	11.22412	ug/L	10/19/10	02:06	
62105-4	Se	2.28016	4.54760	0.01273	140.63177	ug/L	10/19/10	02:06	
62105-4	Sb	-3.29591	-2.35966	-4.23217	40.17280	ug/L	10/19/10	02:06	
62105-4	Sn	0.97017	4.98934	-3.04899	585.86993	ug/L	10/19/10	02:06	
62105-4	Sr	26.11735	26.18471	26.05000	0.36470	ug/L	10/19/10	02:06	
62105-4	Ti	8.77516	8.91956	8.63076	2.32715	ug/L	10/19/10	02:06	
62105-4	Tl	-8.13507	-10.32637	-5.94377	38.09389	ug/L	10/19/10	02:06	
62105-4	V	0.89317	1.02095	0.76539	20.23230	ug/L	10/19/10	02:06	
62105-4	Zn	913.57897	914.96203	912.19586	0.21410	ug/L	10/19/10	02:06	
62105-4	2203/1	21.21138	22.83157	19.59119	10.80219	ug/L	10/19/10	02:06	
62105-4	2203/2	15.07359	16.30153	13.84566	11.52055	ug/L	10/19/10	02:06	
62105-4	1960/1	9.36458	13.73947	4.98968	66.06845	ug/L	10/19/10	02:06	
62105-4	1960/2	-1.25672	-0.04143	-2.47201	136.75849	ug/L	10/19/10	02:06	
62105-4	Y	979.83447	978.20996	981.45898	0.23446		10/19/10	02:06	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62105-5	Ag	0.22780	0.01646	0.43914	131.19750	ug/L	10/19/10	02:11	
62105-5	Al	8365.97460	8371.60937	8360.34082	0.09524	ug/L	10/19/10	02:11	
62105-5	2Al	8.36601	8.37114	8.36089	0.08658	mg/L	10/19/10	02:11	
62105-5	As	7.79947	10.48573	5.11321	48.70768	ug/L	10/19/10	02:11	
62105-5	B	23.57263	23.07314	24.07213	2.99666	ug/L	10/19/10	02:11	
62105-5	Ba	104.15957	104.20903	104.11012	0.06715	ug/L	10/19/10	02:11	
62105-5	Be	0.21643	0.22594	0.20691	6.21804	ug/L	10/19/10	02:11	
62105-5	Ca	23197.32031	23222.61132	23172.03125	0.15417	ug/L	10/19/10	02:11	
62105-5	Cd	0.11567	0.10806	0.12329	9.31356	ug/L	10/19/10	02:11	
62105-5	Co	20.16403	20.21398	20.11409	0.35029	ug/L	10/19/10	02:11	
62105-5	Cr	10.29286	10.95803	9.62770	9.13918	ug/L	10/19/10	02:11	
62105-5	Cu	1257.73669	1258.09509	1257.37829	0.04029	ug/L	10/19/10	02:11	
62105-5	Fe	6214.41943	6212.11718	6216.72167	0.05239	ug/L	10/19/10	02:11	
62105-5	2Fe	6.21363	6.21133	6.21594	0.05239	mg/L	10/19/10	02:11	
62105-5	K	16136.35546	16145.12695	16127.58398	0.07687	ug/L	10/19/10	02:11	
62105-5	Mg	1979.82543	1984.76037	1974.89050	0.35250	ug/L	10/19/10	02:11	
62105-5	2Mg	1.97841	1.98335	1.97348	0.35270	mg/L	10/19/10	02:11	
62105-5	Mn	536.35101	536.84570	535.85632	0.13043	ug/L	10/19/10	02:11	
62105-5	Mo	1.57414	0.44211	2.70617	101.70133	ug/L	10/19/10	02:11	
62105-5	Na	6709.26708	6677.24023	6741.29394	0.67507	ug/L	10/19/10	02:11	
62105-5	Ni	17.99695	19.77175	16.22216	13.94646	ug/L	10/19/10	02:11	
62105-5	Pb	37.59688	40.51348	34.68028	10.97084	ug/L	10/19/10	02:11	
62105-5	Se	40.13344	43.03442	37.23247	10.22238	ug/L	10/19/10	02:11	
62105-5	Sb	-5.23811	-6.09607	-4.38016	23.16344	ug/L	10/19/10	02:11	
62105-5	Sn	1.95274	5.74107	-1.83559	274.35864	ug/L	10/19/10	02:11	
62105-5	Sr	88.68341	88.78896	88.57786	0.16831	ug/L	10/19/10	02:11	
62105-5	Ti	149.03923	149.11581	148.96264	0.07266	ug/L	10/19/10	02:11	
62105-5	Tl	-8.19516	-11.20753	-5.18278	51.98359	ug/L	10/19/10	02:11	
62105-5	V	15.32221	14.65971	15.98471	6.11477	ug/L	10/19/10	02:11	
62105-5	Zn	197.16897	198.12420	196.21376	0.68514	ug/L	10/19/10	02:11	
62105-5	2203/1	40.44210	44.51248	36.37172	14.23364	ug/L	10/19/10	02:11	
62105-5	2203/2	36.17639	38.51697	33.83582	9.14980	ug/L	10/19/10	02:11	
62105-5	1960/1	41.50653	54.42368	28.58938	44.01140	ug/L	10/19/10	02:11	
62105-5	1960/2	39.44792	37.34832	41.54754	7.52713	ug/L	10/19/10	02:11	
62105-5	Y	977.65649	979.03796	976.27496	0.19983		10/19/10	02:11	
CCV	Ag	499.11163	499.03848	499.18475	0.02072	ug/L	10/19/10	02:16	
CCV	Al	4982.78808	4984.14746	4981.42822	0.03858	ug/L	10/19/10	02:16	
CCV	2Al	4.98266	4.98423	4.98110	0.04437	mg/L	10/19/10	02:16	
CCV	As	500.00189	499.23141	500.77239	0.21792	ug/L	10/19/10	02:16	
CCV	B	5014.21289	5014.16552	5014.26025	0.00133	ug/L	10/19/10	02:16	
CCV	Ba	4997.56103	5000.74902	4994.37304	0.09021	ug/L	10/19/10	02:16	
CCV	Be	503.28509	503.89450	502.67568	0.17124	ug/L	10/19/10	02:16	
CCV	Ca	5009.06250	5008.01513	5010.11035	0.02957	ug/L	10/19/10	02:16	
CCV	Cd	496.86450	499.14593	494.58303	0.64936	ug/L	10/19/10	02:16	
CCV	Co	507.17883	507.62982	506.72787	0.12574	ug/L	10/19/10	02:16	
CCV	Cr	5028.53125	5037.47753	5019.58544	0.25159	ug/L	10/19/10	02:16	
CCV	Cu	4994.76464	5004.83935	4984.68994	0.28525	ug/L	10/19/10	02:16	
CCV	Fe	5023.62255	5041.67529	5005.56982	0.50820	ug/L	10/19/10	02:16	
CCV	2Fe	5.02362	5.04167	5.00557	0.50816	mg/L	10/19/10	02:16	
CCV	K	9883.03515	9849.22265	9916.84765	0.48384	ug/L	10/19/10	02:16	
CCV	Mg	5145.00195	5147.38769	5142.61572	0.06558	ug/L	10/19/10	02:16	
CCV	2Mg	5.14498	5.14736	5.14259	0.06558	mg/L	10/19/10	02:16	
CCV	Mn	5058.72265	5066.37646	5051.06933	0.21396	ug/L	10/19/10	02:16	
CCV	Mo	493.13989	489.65304	496.62677	0.99995	ug/L	10/19/10	02:16	
CCV	Na	7588.64160	7481.19970	7696.08398	2.00228	ug/L	10/19/10	02:16	
CCV	Ni	2512.87768	2512.47631	2513.27905	0.02258	ug/L	10/19/10	02:16	
CCV	Pb	507.58557	510.05154	505.11959	0.68705	ug/L	10/19/10	02:16	
CCV	Se	4985.70214	4999.33789	4972.06591	0.38679	ug/L	10/19/10	02:16	
CCV	Sb	491.15725	488.47091	493.84359	0.77349	ug/L	10/19/10	02:16	
CCV	Sn	5038.17822	5048.68554	5027.67089	0.29493	ug/L	10/19/10	02:16	
CCV	Sr	2506.53149	2508.33056	2504.73242	0.10150	ug/L	10/19/10	02:16	
CCV	Ti	498.69024	499.35546	498.02505	0.18864	ug/L	10/19/10	02:16	
CCV	Tl	4973.50927	4984.68310	4962.33544	0.31772	ug/L	10/19/10	02:16	
CCV	V	5047.38281	5053.98486	5040.78027	0.18498	ug/L	10/19/10	02:16	
CCV	Zn	2540.48291	2542.44433	2538.52148	0.10918	ug/L	10/19/10	02:16	
CCV	2203/1	515.02716	514.83764	515.21667	0.05203	ug/L	10/19/10	02:16	
CCV	2203/2	503.87036	507.66207	500.07861	1.06422	ug/L	10/19/10	02:16	
CCV	1960/1	5078.72851	5069.48779	5087.96875	0.25730	ug/L	10/19/10	02:16	
CCV	1960/2	4939.25878	4964.31591	4914.20166	0.71743	ug/L	10/19/10	02:16	
CCV	Y	983.46594	983.60998	983.32196	0.02070		10/19/10	02:16	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.45520	0.89809	0.01231	137.59457	ug/L	10/19/10	02:21	
CCB	Al	-10.54453	-14.67990	-6.40916	55.46282	ug/L	10/19/10	02:21	
CCB	2Al	-0.01054	-0.01468	-0.00640	55.46270	mg/L	10/19/10	02:21	
CCB	As	1.42788	2.27990	0.57586	84.38626	ug/L	10/19/10	02:21	
CCB	B	7.78550	8.91015	6.66085	20.42891	ug/L	10/19/10	02:21	
CCB	Ba	0.73963	0.29485	1.18442	85.04433	ug/L	10/19/10	02:21	
CCB	Be	0.04214	0.02424	0.06004	60.06517	ug/L	10/19/10	02:21	
CCB	Ca	4.08559	3.16555	5.00563	31.84693	ug/L	10/19/10	02:21	
CCB	Cd	-0.12030	-0.25505	0.01443	158.38496	ug/L	10/19/10	02:21	
CCB	Co	0.66674	0.61912	0.71436	10.10054	ug/L	10/19/10	02:21	
CCB	Cr	0.69395	0.07202	1.31588	126.74384	ug/L	10/19/10	02:21	
CCB	Cu	0.96483	0.51165	1.41801	66.42524	ug/L	10/19/10	02:21	
CCB	Fe	21.27174	16.17475	26.36874	33.88645	ug/L	10/19/10	02:21	
CCB	2Fe	0.02126	0.01617	0.02636	33.88632	mg/L	10/19/10	02:21	
CCB	K	6.06245	7.08465	5.04026	23.84522	ug/L	10/19/10	02:21	
CCB	Mg	-7.28414	-5.77172	-8.79656	29.36352	ug/L	10/19/10	02:21	
CCB	2Mg	-0.00728	-0.00577	-0.00879	29.36244	mg/L	10/19/10	02:21	
CCB	Mn	0.63351	0.11867	1.14835	114.93002	ug/L	10/19/10	02:21	
CCB	Mo	-1.38237	-1.33778	-1.42697	4.56176	ug/L	10/19/10	02:21	
CCB	Na	107.25831	24.00196	190.51466	109.77448	ug/L	10/19/10	02:21	
CCB	Ni	-0.55545	-0.68145	-0.42944	32.08198	ug/L	10/19/10	02:21	
CCB	Pb	-0.68866	-1.53914	0.16181	174.65115	ug/L	10/19/10	02:21	
CCB	Se	-0.95910	2.15356	-4.07177	458.96871	ug/L	10/19/10	02:21	
CCB	Sb	-6.65542	-5.65646	-7.65437	21.22679	ug/L	10/19/10	02:21	
CCB	Sn	2.86510	3.30835	2.42185	21.87874	ug/L	10/19/10	02:21	
CCB	Sr	0.24849	0.01783	0.47915	131.27136	ug/L	10/19/10	02:21	
CCB	Ti	-0.04101	-0.20717	0.12515	572.96771	ug/L	10/19/10	02:21	
CCB	Tl	-3.09930	-1.70054	-4.49806	63.82525	ug/L	10/19/10	02:21	
CCB	V	0.37645	0.07361	0.67929	113.76722	ug/L	10/19/10	02:21	
CCB	Zn	0.54656	0.93803	0.15509	101.29116	ug/L	10/19/10	02:21	
CCB	2203/1	0.15247	0.82080	-0.51585	619.88201	ug/L	10/19/10	02:21	
CCB	2203/2	-1.10860	-2.71735	0.50014	205.22326	ug/L	10/19/10	02:21	
CCB	1960/1	6.32964	8.16283	4.49644	40.95855	ug/L	10/19/10	02:21	
CCB	1960/2	-4.59801	-0.84656	-8.34945	115.38350	ug/L	10/19/10	02:21	
CCB	Y	996.40344	996.56994	996.23693	0.02363		10/19/10	02:21	
62103-1	Ag	1.23748	1.60015	0.87481	41.44607	ug/L	10/19/10	02:27	
62103-1	Al	1744.44873	1757.55859	1731.33874	1.06281	ug/L	10/19/10	02:27	
62103-1	2Al	1.74446	1.75767	1.73124	1.07130	mg/L	10/19/10	02:27	
62103-1	As	4.96312	7.37457	2.55167	68.71292	ug/L	10/19/10	02:27	
62103-1	B	452.95617	453.68310	452.22924	0.22696	ug/L	10/19/10	02:27	
62103-1	Ba	86.19345	86.29916	86.08774	0.17344	ug/L	10/19/10	02:27	
62103-1	Be	0.08040	0.08595	0.07485	9.75713	ug/L	10/19/10	02:27	
62103-1	Ca	111343.42187	111320.79687	111366.04687	0.02873	ug/L	10/19/10	02:27	
62103-1	Cd	0.40977	0.07102	0.74852	116.90962	ug/L	10/19/10	02:27	
62103-1	Co	3.11151	3.42874	2.79427	14.41879	ug/L	10/19/10	02:27	
62103-1	Cr	3.24794	3.31186	3.18402	2.78318	ug/L	10/19/10	02:27	
62103-1	Cu	13.73341	13.91097	13.55585	1.82841	ug/L	10/19/10	02:27	
62103-1	Fe	2263.46533	2273.47485	2253.45556	0.62540	ug/L	10/19/10	02:27	
62103-1	2Fe	2.26317	2.27318	2.25317	0.62542	mg/L	10/19/10	02:27	
62103-1	K	17683.93750	17685.67187	17682.20507	0.01386	ug/L	10/19/10	02:27	
62103-1	Mg	29571.96093	29559.05859	29584.86132	0.06169	ug/L	10/19/10	02:27	
62103-1	2Mg	29.56325	29.55035	29.57615	0.06171	mg/L	10/19/10	02:27	
62103-1	Mn	79.01959	79.12121	78.91796	0.18188	ug/L	10/19/10	02:27	
62103-1	Mo	28.66747	29.57171	27.76324	4.46073	ug/L	10/19/10	02:27	
62103-1	Na	64604.60937	64599.75000	64609.46875	0.01063	ug/L	10/19/10	02:27	
62103-1	Ni	21.23047	20.77895	21.68198	3.00767	ug/L	10/19/10	02:27	
62103-1	Pb	11.96113	12.42770	11.49456	5.51644	ug/L	10/19/10	02:27	
62103-1	Se	-1.46423	3.80483	-6.73331	508.90505	ug/L	10/19/10	02:27	
62103-1	Sb	4.65762	8.92815	0.38709	129.66780	ug/L	10/19/10	02:27	
62103-1	Sn	0.32440	1.75544	-1.10663	623.84167	ug/L	10/19/10	02:27	
62103-1	Sr	611.95593	612.83007	611.08184	0.20200	ug/L	10/19/10	02:27	
62103-1	Ti	32.33642	36.62546	28.04739	18.75781	ug/L	10/19/10	02:27	
62103-1	Tl	-4.25373	2.91968	-11.42716	238.49026	ug/L	10/19/10	02:27	
62103-1	V	3.55874	3.64732	3.47016	3.52024	ug/L	10/19/10	02:27	
62103-1	Zn	113.06701	113.18085	112.95318	0.14238	ug/L	10/19/10	02:27	
62103-1	2203/1	15.80066	18.21756	13.38376	21.63205	ug/L	10/19/10	02:27	
62103-1	2203/2	10.04424	9.53710	10.55137	7.14033	ug/L	10/19/10	02:27	
62103-1	1960/1	-0.50997	5.15336	-6.17331	1570.49157	ug/L	10/19/10	02:27	
62103-1	1960/2	-1.94065	3.13157	-7.01288	369.62884	ug/L	10/19/10	02:27	
62103-1	Y	966.01947	967.92297	964.11596	0.27866		10/19/10	02:27	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62103-1S	Ag	44.47131	44.49567	44.44695	0.07746	ug/L	10/19/10	02:32	
62103-1S	Al	3736.26757	3743.73999	3728.79516	0.28283	ug/L	10/19/10	02:32	
62103-1S	2Al	3.73640	3.74398	3.72882	0.28682	mg/L	10/19/10	02:32	
62103-1S	As	2037.96606	2028.61059	2047.32141	0.64920	ug/L	10/19/10	02:32	
62103-1S	B	1407.28393	1403.72302	1410.84484	0.35784	ug/L	10/19/10	02:32	
62103-1S	Ba	2076.54321	2074.37768	2078.70874	0.14748	ug/L	10/19/10	02:32	
62103-1S	Be	50.54906	50.52589	50.57222	0.06480	ug/L	10/19/10	02:32	
62103-1S	Ca	108897.21875	108849.39062	108945.03906	0.06210	ug/L	10/19/10	02:32	
62103-1S	Cd	49.39038	49.36397	49.41680	0.07564	ug/L	10/19/10	02:32	
62103-1S	Co	504.32586	504.21563	504.43606	0.03090	ug/L	10/19/10	02:32	
62103-1S	Cr	204.61460	205.16452	204.06469	0.38007	ug/L	10/19/10	02:32	
62103-1S	Cu	263.12890	262.43130	263.82650	0.37493	ug/L	10/19/10	02:32	
62103-1S	Fe	3009.79931	3009.93481	3009.66406	0.00636	ug/L	10/19/10	02:32	
62103-1S	2Fe	3.00963	3.00976	3.00949	0.00635	mg/L	10/19/10	02:32	
62103-1S	K	21430.07421	21439.31250	21420.83789	0.06095	ug/L	10/19/10	02:32	
62103-1S	Mg	32612.68750	32599.72460	32625.64843	0.05620	ug/L	10/19/10	02:32	
62103-1S	2Mg	32.60321	32.59025	32.61617	0.05620	mg/L	10/19/10	02:32	
62103-1S	Mn	582.93395	582.90997	582.95800	0.00582	ug/L	10/19/10	02:32	
62103-1S	Mo	516.94702	513.78497	520.10906	0.86504	ug/L	10/19/10	02:32	
62103-1S	Na	66002.32812	66086.10156	65918.56250	0.17949	ug/L	10/19/10	02:32	
62103-1S	Ni	510.10797	511.60437	508.61157	0.41485	ug/L	10/19/10	02:32	
62103-1S	Pb	505.22668	508.41979	502.03356	0.89380	ug/L	10/19/10	02:32	
62103-1S	Se	1993.81738	2000.74230	1986.89257	0.49118	ug/L	10/19/10	02:32	
62103-1S	Sb	495.78253	497.61239	493.95266	0.52196	ug/L	10/19/10	02:32	
62103-1S	Sn	998.85906	996.97235	1000.74578	0.26712	ug/L	10/19/10	02:32	
62103-1S	Sr	1053.18298	1050.92944	1055.43652	0.30260	ug/L	10/19/10	02:32	
62103-1S	Ti	989.51098	988.84594	990.17608	0.09505	ug/L	10/19/10	02:32	
62103-1S	Tl	2024.49658	2015.65563	2033.33740	0.61758	ug/L	10/19/10	02:32	
62103-1S	V	509.62628	509.58099	509.67153	0.01256	ug/L	10/19/10	02:32	
62103-1S	Zn	609.97595	609.84326	610.10870	0.03077	ug/L	10/19/10	02:32	
62103-1S	2203/1	508.34240	508.12255	508.56225	0.06116	ug/L	10/19/10	02:32	
62103-1S	2203/2	503.67114	508.56817	498.77413	1.37499	ug/L	10/19/10	02:32	
62103-1S	1960/1	2033.24023	2031.58166	2034.89892	0.11536	ug/L	10/19/10	02:32	
62103-1S	1960/2	1974.13452	1985.34460	1962.92431	0.80306	ug/L	10/19/10	02:32	
62103-1S	Y	954.67047	955.46697	953.87396	0.11799		10/19/10	02:32	
62103-1SD	Ag	46.72761	46.84112	46.61411	0.34352	ug/L	10/19/10	02:37	
62103-1SD	Al	4094.61962	4097.71679	4091.52221	0.10697	ug/L	10/19/10	02:37	
62103-1SD	2Al	4.09457	4.09777	4.09137	0.11059	mg/L	10/19/10	02:37	
62103-1SD	As	2167.49462	2163.94897	2171.04003	0.23133	ug/L	10/19/10	02:37	
62103-1SD	B	1499.49682	1502.61743	1496.37622	0.29431	ug/L	10/19/10	02:37	
62103-1SD	Ba	2190.49951	2191.51391	2189.48535	0.06548	ug/L	10/19/10	02:37	
62103-1SD	Be	53.58011	53.60007	53.56015	0.05267	ug/L	10/19/10	02:37	
62103-1SD	Ca	115811.76562	115811.67968	115811.85156	0.00010	ug/L	10/19/10	02:37	
62103-1SD	Cd	52.05897	52.40652	51.71141	0.94414	ug/L	10/19/10	02:37	
62103-1SD	Co	535.35473	535.03509	535.67443	0.08444	ug/L	10/19/10	02:37	
62103-1SD	Cr	216.13702	216.49967	215.77438	0.23728	ug/L	10/19/10	02:37	
62103-1SD	Cu	277.91674	278.16064	277.67282	0.12411	ug/L	10/19/10	02:37	
62103-1SD	Fe	3259.06640	3268.52807	3249.60473	0.41057	ug/L	10/19/10	02:37	
62103-1SD	2Fe	3.25887	3.26833	3.24941	0.41054	mg/L	10/19/10	02:37	
62103-1SD	K	22672.82031	22675.46875	22670.17187	0.01651	ug/L	10/19/10	02:37	
62103-1SD	Mg	34776.95312	34777.34765	34776.55468	0.00161	ug/L	10/19/10	02:37	
62103-1SD	2Mg	34.76527	34.76723	34.76330	0.00799	mg/L	10/19/10	02:37	
62103-1SD	Mn	617.63793	617.85748	617.41833	0.05027	ug/L	10/19/10	02:37	
62103-1SD	Mo	551.68841	552.58685	550.78997	0.23030	ug/L	10/19/10	02:37	
62103-1SD	Na	69556.45312	69567.48437	69545.42187	0.02242	ug/L	10/19/10	02:37	
62103-1SD	Ni	540.67858	539.93981	541.41729	0.19322	ug/L	10/19/10	02:37	
62103-1SD	Pb	538.22033	540.85791	535.58270	0.69304	ug/L	10/19/10	02:37	
62103-1SD	Se	2118.89843	2113.96166	2123.83544	0.32950	ug/L	10/19/10	02:37	
62103-1SD	Sb	523.83251	518.44110	529.22399	1.45555	ug/L	10/19/10	02:37	
62103-1SD	Sn	1060.45507	1059.77893	1061.13134	0.09017	ug/L	10/19/10	02:37	
62103-1SD	Sr	1111.07189	1111.98718	1110.15661	0.11650	ug/L	10/19/10	02:37	
62103-1SD	Ti	1062.84326	1066.39318	1059.29321	0.47235	ug/L	10/19/10	02:37	
62103-1SD	Tl	2158.53857	2159.93896	2157.13793	0.09175	ug/L	10/19/10	02:37	
62103-1SD	V	539.37182	539.74426	538.99938	0.09765	ug/L	10/19/10	02:37	
62103-1SD	Zn	648.90148	649.47357	648.32940	0.12467	ug/L	10/19/10	02:37	
62103-1SD	2203/1	547.00646	549.08074	544.93212	0.53628	ug/L	10/19/10	02:37	
62103-1SD	2203/2	533.83386	536.75268	530.91503	0.77324	ug/L	10/19/10	02:37	
62103-1SD	1960/1	2159.55859	2155.46411	2163.65307	0.26813	ug/L	10/19/10	02:37	
62103-1SD	1960/2	2098.59790	2093.24047	2103.95532	0.36102	ug/L	10/19/10	02:37	
62103-1SD	Y	962.06848	961.62298	962.51397	0.06548		10/19/10	02:37	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62048-1	Ag	1.92275	2.39679	1.44872	34.86585	ug/L	10/19/10	02:42	
62048-1	Al	2021.25854	2028.14721	2014.36999	0.48197	ug/L	10/19/10	02:42	
62048-1	2Al	2.02138	2.02827	2.01450	0.48197	mg/L	10/19/10	02:42	
62048-1	As	43.44613	43.21883	43.67343	0.73988	ug/L	10/19/10	02:42	
62048-1	B	989.39733	988.43786	990.35687	0.13714	ug/L	10/19/10	02:42	
62048-1	Ba	348.70877	348.97457	348.44296	0.10780	ug/L	10/19/10	02:42	
62048-1	Be	0.63407	0.62854	0.63960	1.23369	ug/L	10/19/10	02:42	
62048-1	Ca	14735.44726	14739.11425	14731.78125	0.03518	ug/L	10/19/10	02:42	
62048-1	Cd	1.90302	1.78095	2.02510	9.07174	ug/L	10/19/10	02:42	
62048-1	Co	4.76075	4.05248	5.46902	21.03961	ug/L	10/19/10	02:42	
62048-1	Cr	7.27753	7.87713	6.67792	11.65185	ug/L	10/19/10	02:42	
62048-1	Cu	67.20248	67.69087	66.71409	1.02776	ug/L	10/19/10	02:42	
62048-1	Fe	2152.76708	2160.17358	2145.36035	0.48656	ug/L	10/19/10	02:42	
62048-1	2Fe	2.15252	2.15993	2.14512	0.48653	mg/L	10/19/10	02:42	
62048-1	K	408168.87500	408497.46875	407840.25000	0.11385	ug/L	10/19/10	02:42	
62048-1	Mg	8949.47070	8959.56054	8939.38183	0.15943	ug/L	10/19/10	02:42	
62048-1	2Mg	8.94759	8.95767	8.93750	0.15941	mg/L	10/19/10	02:42	
62048-1	Mn	2240.16259	2241.07299	2239.25219	0.05747	ug/L	10/19/10	02:42	
62048-1	Mo	36.62772	35.93584	37.31960	2.67139	ug/L	10/19/10	02:42	
62048-1	Na	8067716.00000	8080130.50000	8055301.50000	0.21761	ug/L	10/19/10	02:42	
62048-1	Ni	18.66553	19.95191	17.37915	9.74636	ug/L	10/19/10	02:42	
62048-1	Pb	7.34677	4.19577	10.49778	60.65505	ug/L	10/19/10	02:42	
62048-1	Se	-11.26671	-9.60696	-12.92645	20.83331	ug/L	10/19/10	02:42	
62048-1	Sb	5.85904	8.21458	3.50351	56.85617	ug/L	10/19/10	02:42	
62048-1	Sn	53.31591	53.40944	53.22237	0.24809	ug/L	10/19/10	02:42	
62048-1	Sr	102.71105	102.74328	102.67882	0.04437	ug/L	10/19/10	02:42	
62048-1	Ti	3.87668	3.94154	3.81181	2.36617	ug/L	10/19/10	02:42	
62048-1	Tl	-2.88570	1.54961	-7.32102	217.36447	ug/L	10/19/10	02:42	
62048-1	V	335.52575	336.06829	334.98318	0.22868	ug/L	10/19/10	02:42	
62048-1	Zn	299.69259	299.84371	299.54147	0.07131	ug/L	10/19/10	02:42	
62048-1	2203/1	11.79752	11.45086	12.14417	4.15548	ug/L	10/19/10	02:42	
62048-1	2203/2	5.12474	0.57366	9.67582	125.59056	ug/L	10/19/10	02:42	
62048-1	1960/1	54.28555	58.99424	49.57686	12.26678	ug/L	10/19/10	02:42	
62048-1	1960/2	-43.99370	-43.85614	-44.13125	0.44217	ug/L	10/19/10	02:42	
62048-1	Y	808.84802	808.44299	809.25299	0.07081		10/19/10	02:42	
62048-1 1/10	Ag	1.07213	1.75641	0.38785	90.26110	ug/L	10/19/10	02:49	
62048-1 1/10	Al	215.37486	227.88395	202.86576	8.21383	ug/L	10/19/10	02:49	
62048-1 1/10	2Al	0.21538	0.22789	0.20287	8.21382	mg/L	10/19/10	02:49	
62048-1 1/10	As	3.51279	4.44937	2.57621	37.70580	ug/L	10/19/10	02:49	
62048-1 1/10	B	97.89459	104.71752	91.07167	9.85659	ug/L	10/19/10	02:49	
62048-1 1/10	Ba	34.50688	36.22469	32.78907	7.04018	ug/L	10/19/10	02:49	
62048-1 1/10	Be	0.05999	0.05759	0.06239	5.65581	ug/L	10/19/10	02:49	
62048-1 1/10	Ca	1536.04516	1609.06518	1463.02514	6.72284	ug/L	10/19/10	02:49	
62048-1 1/10	Cd	0.14276	0.37354	-0.08801	228.61131	ug/L	10/19/10	02:49	
62048-1 1/10	Co	0.17568	0.13458	0.21679	33.08632	ug/L	10/19/10	02:49	
62048-1 1/10	Cr	0.65250	0.96808	0.33692	68.39695	ug/L	10/19/10	02:49	
62048-1 1/10	Cu	7.18133	8.21966	6.14299	20.44778	ug/L	10/19/10	02:49	
62048-1 1/10	Fe	228.10873	238.61791	217.59953	6.51542	ug/L	10/19/10	02:49	
62048-1 1/10	2Fe	0.22808	0.23859	0.21757	6.51547	mg/L	10/19/10	02:49	
62048-1 1/10	K	59633.80078	62595.75390	56671.84765	7.02426	ug/L	10/19/10	02:49	
62048-1 1/10	Mg	979.58728	1026.80285	932.37176	6.81642	ug/L	10/19/10	02:49	
62048-1 1/10	2Mg	0.97937	1.02657	0.93216	6.81644	mg/L	10/19/10	02:49	
62048-1 1/10	Mn	222.77464	233.60075	211.94853	6.87261	ug/L	10/19/10	02:49	
62048-1 1/10	Mo	5.78189	9.00218	2.56160	78.76623	ug/L	10/19/10	02:49	
62048-1 1/10	Na	1160759.87500	1210432.37500	1111087.37500	6.05185	ug/L	10/19/10	02:49	
62048-1 1/10	Ni	3.23873	3.60691	2.87055	16.07675	ug/L	10/19/10	02:49	
62048-1 1/10	Pb	-0.77252	-0.29848	-1.24655	86.77899	ug/L	10/19/10	02:49	
62048-1 1/10	Se	3.09959	1.08078	5.11840	92.10988	ug/L	10/19/10	02:49	
62048-1 1/10	Sb	-2.21869	-0.35495	-4.08244	118.79645	ug/L	10/19/10	02:49	
62048-1 1/10	Sn	9.20866	8.09677	10.32056	17.07586	ug/L	10/19/10	02:49	
62048-1 1/10	Sr	10.30900	10.79752	9.82048	6.70162	ug/L	10/19/10	02:49	
62048-1 1/10	Ti	-0.09214	-0.08459	-0.09969	11.59434	ug/L	10/19/10	02:49	
62048-1 1/10	Tl	-1.71420	-2.72590	-0.70250	83.46478	ug/L	10/19/10	02:49	
62048-1 1/10	V	33.18048	35.61250	30.74845	10.36574	ug/L	10/19/10	02:49	
62048-1 1/10	Zn	31.00295	32.75971	29.24619	8.01354	ug/L	10/19/10	02:49	
62048-1 1/10	2203/1	3.13035	7.59526	-1.33454	201.71269	ug/L	10/19/10	02:49	
62048-1 1/10	2203/2	-2.72103	-4.23944	-1.20262	78.91695	ug/L	10/19/10	02:49	
62048-1 1/10	1960/1	14.91625	15.78665	14.04584	8.25232	ug/L	10/19/10	02:49	
62048-1 1/10	1960/2	-2.79987	-6.26113	0.66137	174.82739	ug/L	10/19/10	02:49	
62048-1 1/10	Y	926.73449	891.54895	961.91998	5.36937		10/19/10	02:49	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	502.10247	502.05917	502.14578	0.01219	ug/L	10/19/10	02:55	
CCV	Al	5021.73535	5023.69433	5019.77587	0.05517	ug/L	10/19/10	02:55	
CCV	2Al	5.02192	5.02398	5.01985	0.05807	mg/L	10/19/10	02:55	
CCV	As	506.10095	506.36041	505.84149	0.07250	ug/L	10/19/10	02:55	
CCV	B	5044.56445	5039.27001	5049.85839	0.14841	ug/L	10/19/10	02:55	
CCV	Ba	5012.63769	5024.12060	5001.15478	0.32396	ug/L	10/19/10	02:55	
CCV	Be	507.93005	509.38317	506.47689	0.40459	ug/L	10/19/10	02:55	
CCV	Ca	5050.77343	5056.94238	5044.60400	0.17273	ug/L	10/19/10	02:55	
CCV	Cd	502.51614	503.19891	501.83337	0.19214	ug/L	10/19/10	02:55	
CCV	Co	511.04595	512.06085	510.03106	0.28085	ug/L	10/19/10	02:55	
CCV	Cr	5067.39306	5076.33691	5058.44921	0.24960	ug/L	10/19/10	02:55	
CCV	Cu	5024.96972	5034.98681	5014.95214	0.28192	ug/L	10/19/10	02:55	
CCV	Fe	5071.77246	5081.35058	5062.19384	0.26708	ug/L	10/19/10	02:55	
CCV	2Fe	5.07177	5.08135	5.06219	0.26707	mg/L	10/19/10	02:55	
CCV	K	9976.56835	9987.18554	9965.95019	0.15050	ug/L	10/19/10	02:55	
CCV	Mg	5197.23535	5205.86621	5188.60449	0.23485	ug/L	10/19/10	02:55	
CCV	2Mg	5.19720	5.20583	5.18857	0.23483	mg/L	10/19/10	02:55	
CCV	Mn	5093.54199	5101.17431	5085.90917	0.21191	ug/L	10/19/10	02:55	
CCV	Mo	495.45895	496.74429	494.17361	0.36688	ug/L	10/19/10	02:55	
CCV	Na	7837.40625	7662.66503	8012.14794	3.15310	ug/L	10/19/10	02:55	
CCV	Ni	2536.44702	2541.13647	2531.75756	0.26146	ug/L	10/19/10	02:55	
CCV	Pb	513.38439	513.31207	513.45678	0.01993	ug/L	10/19/10	02:55	
CCV	Se	5044.26269	5040.94824	5047.57714	0.09292	ug/L	10/19/10	02:55	
CCV	Sb	493.34088	491.60119	495.08053	0.49869	ug/L	10/19/10	02:55	
CCV	Sn	5083.56640	5083.83837	5083.29394	0.00757	ug/L	10/19/10	02:55	
CCV	Sr	2516.68994	2516.50903	2516.87109	0.01017	ug/L	10/19/10	02:55	
CCV	Ti	500.99920	501.88168	500.11672	0.24910	ug/L	10/19/10	02:55	
CCV	Tl	5008.84179	5009.47802	5008.20605	0.01795	ug/L	10/19/10	02:55	
CCV	V	5082.62207	5089.76318	5075.48144	0.19869	ug/L	10/19/10	02:55	
CCV	Zn	2567.50195	2569.82104	2565.18310	0.12773	ug/L	10/19/10	02:55	
CCV	2203/1	517.26269	520.58544	513.93988	0.90846	ug/L	10/19/10	02:55	
CCV	2203/2	511.44824	509.68084	513.21563	0.48870	ug/L	10/19/10	02:55	
CCV	1960/1	5127.79150	5132.25390	5123.32910	0.12307	ug/L	10/19/10	02:55	
CCV	1960/2	5002.56152	4995.36425	5009.75830	0.20345	ug/L	10/19/10	02:55	
CCV	Y	971.81091	973.12493	970.49694	0.19121		10/19/10	02:55	
CCB	Ag	0.50776	0.44716	0.56837	16.87903	ug/L	10/19/10	03:02	
CCB	Al	-14.27937	-11.41699	-17.14174	28.34864	ug/L	10/19/10	03:02	
CCB	2Al	-0.01428	-0.01141	-0.01714	28.34870	mg/L	10/19/10	03:02	
CCB	As	-2.12647	-5.53253	1.27959	226.52087	ug/L	10/19/10	03:02	
CCB	B	5.64572	7.63030	3.66114	49.71225	ug/L	10/19/10	03:02	
CCB	Ba	0.70402	0.22222	1.18581	96.78163	ug/L	10/19/10	03:02	
CCB	Be	0.02702	-0.01042	0.06447	195.96618	ug/L	10/19/10	03:02	
CCB	Ca	4.02558	3.11485	4.93632	31.99463	ug/L	10/19/10	03:02	
CCB	Cd	0.22511	0.01221	0.43801	133.74797	ug/L	10/19/10	03:02	
CCB	Co	0.27669	0.83638	-0.28299	286.06567	ug/L	10/19/10	03:02	
CCB	Cr	0.01851	-0.71817	0.75520	5627.18554	ug/L	10/19/10	03:02	
CCB	Cu	-0.34569	-0.51893	-0.17246	70.86871	ug/L	10/19/10	03:02	
CCB	Fe	14.57541	16.50984	12.64097	18.76933	ug/L	10/19/10	03:02	
CCB	2Fe	0.01457	0.01650	0.01263	18.77076	mg/L	10/19/10	03:02	
CCB	K	5.10752	6.32876	3.88628	33.81462	ug/L	10/19/10	03:02	
CCB	Mg	-8.90344	-12.04085	-5.76603	49.83430	ug/L	10/19/10	03:02	
CCB	2Mg	-0.00890	-0.01204	-0.00576	49.83021	mg/L	10/19/10	03:02	
CCB	Mn	0.44703	-0.06181	0.95589	160.97717	ug/L	10/19/10	03:02	
CCB	Mo	-0.23988	-1.10996	0.63018	512.93829	ug/L	10/19/10	03:02	
CCB	Na	157.68449	83.30216	232.06683	66.71074	ug/L	10/19/10	03:02	
CCB	Ni	0.22148	0.33076	0.11219	69.77905	ug/L	10/19/10	03:02	
CCB	Pb	-2.42427	-4.17401	-0.67454	102.07164	ug/L	10/19/10	03:02	
CCB	Se	4.99498	1.11822	8.87174	109.76140	ug/L	10/19/10	03:02	
CCB	Sb	-7.44082	-6.45811	-8.42353	18.67747	ug/L	10/19/10	03:02	
CCB	Sn	1.98658	0.29700	3.67615	120.27793	ug/L	10/19/10	03:02	
CCB	Sr	0.18370	-0.06632	0.43372	192.48017	ug/L	10/19/10	03:02	
CCB	Ti	-0.28244	-0.50699	-0.05789	112.43299	ug/L	10/19/10	03:02	
CCB	Tl	-3.19316	-0.66698	-5.71934	111.88139	ug/L	10/19/10	03:02	
CCB	V	0.89019	0.76271	1.01766	20.25163	ug/L	10/19/10	03:02	
CCB	Zn	0.57735	0.30665	0.84805	66.30708	ug/L	10/19/10	03:02	
CCB	2203/1	1.56262	-1.06526	4.19051	237.83065	ug/L	10/19/10	03:02	
CCB	2203/2	-4.41474	-5.72606	-3.10342	42.00662	ug/L	10/19/10	03:02	
CCB	1960/1	9.70458	6.55121	12.85794	45.95288	ug/L	10/19/10	03:02	
CCB	1960/2	2.64372	-1.59419	6.88163	226.70008	ug/L	10/19/10	03:02	
CCB	Y	965.10144	964.60192	965.60095	0.07319		10/19/10	03:02	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 183180	Ag	0.72301	1.42538	0.02063	137.38455	ug/L	10/19/10	03:07	
PBW 183180	Al	-4.02113	3.71334	-11.75561	272.01794	ug/L	10/19/10	03:07	
PBW 183180	2Al	-0.00402	0.00371	-0.01175	272.01791	mg/L	10/19/10	03:07	
PBW 183180	As	3.95905	5.96429	1.95381	71.62906	ug/L	10/19/10	03:07	
PBW 183180	B	5.17346	5.07977	5.26715	2.56100	ug/L	10/19/10	03:07	
PBW 183180	Ba	0.39872	0.36025	0.43719	13.64540	ug/L	10/19/10	03:07	
PBW 183180	Be	-0.03906	-0.03872	-0.03941	1.24064	ug/L	10/19/10	03:07	
PBW 183180	Ca	96.78776	97.33210	96.24341	0.79537	ug/L	10/19/10	03:07	
PBW 183180	Cd	0.18907	-0.10502	0.48317	219.97639	ug/L	10/19/10	03:07	
PBW 183180	Co	0.34706	0.91079	-0.21666	229.70729	ug/L	10/19/10	03:07	
PBW 183180	Cr	0.04353	0.18618	-0.09911	463.35620	ug/L	10/19/10	03:07	
PBW 183180	Cu	-0.21576	-0.24278	-0.18875	17.70620	ug/L	10/19/10	03:07	
PBW 183180	Fe	11.93447	8.59508	15.27387	39.57121	ug/L	10/19/10	03:07	
PBW 183180	2Fe	0.01193	0.00859	0.01527	39.56888	mg/L	10/19/10	03:07	
PBW 183180	K	40.39580	45.54686	35.24474	18.03330	ug/L	10/19/10	03:07	
PBW 183180	Mg	6.78382	9.91551	3.65214	65.28561	ug/L	10/19/10	03:07	
PBW 183180	2Mg	0.00677	0.00991	0.00364	65.31725	mg/L	10/19/10	03:07	
PBW 183180	Mn	0.13795	0.11553	0.16037	22.98246	ug/L	10/19/10	03:07	
PBW 183180	Mo	1.59513	2.09907	1.09119	44.67809	ug/L	10/19/10	03:07	
PBW 183180	Na	132568.87500	132769.62500	132368.14062	0.21414	ug/L	10/19/10	03:07	
PBW 183180	Ni	-0.16359	0.10976	-0.43695	236.31221	ug/L	10/19/10	03:07	
PBW 183180	Pb	0.24718	-0.78256	1.27692	589.15356	ug/L	10/19/10	03:07	
PBW 183180	Se	-1.14528	3.74190	-6.03246	603.47753	ug/L	10/19/10	03:07	
PBW 183180	Sb	-7.59906	-8.97469	-6.22343	25.60094	ug/L	10/19/10	03:07	
PBW 183180	Sn	-1.40291	-0.19224	-2.61358	122.04180	ug/L	10/19/10	03:07	
PBW 183180	Sr	0.22905	0.18436	0.27373	27.59081	ug/L	10/19/10	03:07	
PBW 183180	Ti	-0.38812	-0.55982	-0.21643	62.56068	ug/L	10/19/10	03:07	
PBW 183180	Tl	-2.63594	-1.32762	-3.94426	70.19269	ug/L	10/19/10	03:07	
PBW 183180	V	-0.28386	-0.34437	-0.22336	30.14317	ug/L	10/19/10	03:07	
PBW 183180	Zn	3.52451	3.82713	3.22189	12.14267	ug/L	10/19/10	03:07	
PBW 183180	2203/1	0.09602	1.73464	-1.54259	2413.23022	ug/L	10/19/10	03:07	
PBW 183180	2203/2	0.32264	-2.03928	2.68457	1035.27465	ug/L	10/19/10	03:07	
PBW 183180	1960/1	6.19721	11.08382	1.31060	111.51311	ug/L	10/19/10	03:07	
PBW 183180	1960/2	-4.81102	0.07644	-9.69850	143.66851	ug/L	10/19/10	03:07	
PBW 183180	Y	962.89196	963.43194	962.35192	0.07931		10/19/10	03:07	
PBW II	Ag	0.61845	0.73892	0.49797	27.54963	ug/L	10/19/10	03:12	
PBW II	Al	-11.86679	-16.27018	-7.46340	52.47694	ug/L	10/19/10	03:12	
PBW II	2Al	-0.01186	-0.01627	-0.00746	52.47699	mg/L	10/19/10	03:12	
PBW II	As	2.24693	4.49758	-0.00371	141.65512	ug/L	10/19/10	03:12	
PBW II	B	13.04943	12.91052	13.18834	1.50545	ug/L	10/19/10	03:12	
PBW II	Ba	0.31977	0.49345	0.14609	76.81098	ug/L	10/19/10	03:12	
PBW II	Be	-0.03077	-0.04911	-0.01242	84.31718	ug/L	10/19/10	03:12	
PBW II	Ca	77.78147	77.80272	77.76022	0.03863	ug/L	10/19/10	03:12	
PBW II	Cd	-0.15868	-0.26107	-0.05630	91.24526	ug/L	10/19/10	03:12	
PBW II	Co	-0.34886	-1.38822	0.69048	421.32492	ug/L	10/19/10	03:12	
PBW II	Cr	0.29357	-0.29250	0.87964	282.32894	ug/L	10/19/10	03:12	
PBW II	Cu	-0.14821	-0.19086	-0.10556	40.69651	ug/L	10/19/10	03:12	
PBW II	Fe	-12.09003	3.56627	-27.74633	183.13735	ug/L	10/19/10	03:12	
PBW II	2Fe	-0.01208	0.00356	-0.02774	183.13372	mg/L	10/19/10	03:12	
PBW II	K	15.23697	27.18504	3.28890	110.89551	ug/L	10/19/10	03:12	
PBW II	Mg	15.85890	15.86515	15.85265	0.05572	ug/L	10/19/10	03:12	
PBW II	2Mg	0.01585	0.01586	0.01585	0.03121	mg/L	10/19/10	03:12	
PBW II	Mn	0.19789	0.21263	0.18314	10.53520	ug/L	10/19/10	03:12	
PBW II	Mo	-1.63548	-0.46115	-2.80981	101.54524	ug/L	10/19/10	03:12	
PBW II	Na	25889.50976	25859.63671	25919.38281	0.16318	ug/L	10/19/10	03:12	
PBW II	Ni	-0.97398	0.06072	-2.00869	150.23796	ug/L	10/19/10	03:12	
PBW II	Pb	-0.65040	1.22739	-2.52819	408.30163	ug/L	10/19/10	03:12	
PBW II	Se	-0.36494	2.58878	-3.31867	1144.61437	ug/L	10/19/10	03:12	
PBW II	Sb	-8.19271	-6.14910	-10.23632	35.27649	ug/L	10/19/10	03:12	
PBW II	Sn	1.98341	3.49627	0.47054	107.87022	ug/L	10/19/10	03:12	
PBW II	Sr	0.19966	0.15591	0.24341	30.98679	ug/L	10/19/10	03:12	
PBW II	Ti	-0.01658	-0.13379	0.10063	999.79162	ug/L	10/19/10	03:12	
PBW II	Tl	-5.48942	1.24693	-12.22579	173.54559	ug/L	10/19/10	03:12	
PBW II	V	0.51218	1.48798	-0.46361	269.43267	ug/L	10/19/10	03:12	
PBW II	Zn	3.56348	3.49663	3.63034	2.65335	ug/L	10/19/10	03:12	
PBW II	2203/1	3.51383	8.93064	-1.90296	218.00978	ug/L	10/19/10	03:12	
PBW II	2203/2	-2.72940	-2.61845	-2.84034	5.74861	ug/L	10/19/10	03:12	
PBW II	1960/1	5.69416	11.06834	0.31999	133.47399	ug/L	10/19/10	03:12	
PBW II	1960/2	-3.38995	-1.64463	-5.13527	72.81079	ug/L	10/19/10	03:12	
PBW II	Y	978.08398	977.93096	978.23693	0.02212		10/19/10	03:12	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	47.38391	47.38443	47.38339	0.00155	ug/L	10/19/10	03:18	
LCSW-1	Al	2064.02465	2059.95629	2068.09301	0.27875	ug/L	10/19/10	03:18	
LCSW-1	2Al	2.06415	2.06008	2.06822	0.27876	mg/L	10/19/10	03:18	
LCSW-1	As	2152.03759	2153.01855	2151.05664	0.06446	ug/L	10/19/10	03:18	
LCSW-1	B	1031.56127	1030.15734	1032.96520	0.19247	ug/L	10/19/10	03:18	
LCSW-1	Ba	2107.37353	2107.25659	2107.49072	0.00785	ug/L	10/19/10	03:18	
LCSW-1	Be	53.92434	53.85855	53.99012	0.17252	ug/L	10/19/10	03:18	
LCSW-1	Ca	5327.89208	5321.39599	5334.38818	0.17242	ug/L	10/19/10	03:18	
LCSW-1	Cd	54.34960	54.57874	54.12047	0.59622	ug/L	10/19/10	03:18	
LCSW-1	Co	545.58416	545.93609	545.23223	0.09122	ug/L	10/19/10	03:18	
LCSW-1	Cr	214.96426	214.90025	215.02827	0.04211	ug/L	10/19/10	03:18	
LCSW-1	Cu	268.95190	267.71582	270.18801	0.64997	ug/L	10/19/10	03:18	
LCSW-1	Fe	1089.98437	1091.22509	1088.74365	0.16097	ug/L	10/19/10	03:18	
LCSW-1	2Fe	1.09007	1.09131	1.08883	0.16096	mg/L	10/19/10	03:18	
LCSW-1	K	5708.55810	5708.66064	5708.45556	0.00254	ug/L	10/19/10	03:18	
LCSW-1	Mg	5255.84667	5250.98486	5260.70800	0.13081	ug/L	10/19/10	03:18	
LCSW-1	2Mg	5.25441	5.24955	5.25927	0.13082	mg/L	10/19/10	03:18	
LCSW-1	Mn	537.65252	537.15344	538.15161	0.13127	ug/L	10/19/10	03:18	
LCSW-1	Mo	519.55511	520.82598	518.28424	0.34592	ug/L	10/19/10	03:18	
LCSW-1	Na	170739.71875	170752.40625	170727.04687	0.01050	ug/L	10/19/10	03:18	
LCSW-1	Ni	539.13720	538.18890	540.08551	0.24874	ug/L	10/19/10	03:18	
LCSW-1	Pb	542.96118	541.54113	544.38122	0.36986	ug/L	10/19/10	03:18	
LCSW-1	Se	2168.70019	2160.51489	2176.88525	0.53375	ug/L	10/19/10	03:18	
LCSW-1	Sb	520.27984	516.83343	523.72625	0.93679	ug/L	10/19/10	03:18	
LCSW-1	Sn	1062.16772	1066.12524	1058.21008	0.52692	ug/L	10/19/10	03:18	
LCSW-1	Sr	515.89746	516.49053	515.30444	0.16257	ug/L	10/19/10	03:18	
LCSW-1	Ti	1031.21044	1030.64257	1031.77832	0.07787	ug/L	10/19/10	03:18	
LCSW-1	Tl	2193.74707	2188.84936	2198.64453	0.31572	ug/L	10/19/10	03:18	
LCSW-1	V	537.62744	537.63092	537.62396	0.00091	ug/L	10/19/10	03:18	
LCSW-1	Zn	562.86633	561.40264	564.32995	0.36774	ug/L	10/19/10	03:18	
LCSW-1	2203/1	551.87390	550.00128	553.74652	0.47987	ug/L	10/19/10	03:18	
LCSW-1	2203/2	538.51147	537.31738	539.70562	0.31359	ug/L	10/19/10	03:18	
LCSW-1	1960/1	2219.37695	2220.27612	2218.47778	0.05729	ug/L	10/19/10	03:18	
LCSW-1	1960/2	2143.39892	2130.67846	2156.11962	0.83930	ug/L	10/19/10	03:18	
LCSW-1	Y	968.58447	969.19195	967.97692	0.08870		10/19/10	03:18	
61701-2	Ag	0.31838	0.43793	0.19883	53.10322	ug/L	10/19/10	03:23	
61701-2	Al	2.41787	7.09422	-2.25846	273.51843	ug/L	10/19/10	03:23	
61701-2	2Al	0.00241	0.00709	-0.00225	273.51742	mg/L	10/19/10	03:23	
61701-2	As	1.48838	2.01147	0.96529	49.70242	ug/L	10/19/10	03:23	
61701-2	B	6.66733	7.79440	5.54027	23.90625	ug/L	10/19/10	03:23	
61701-2	Ba	22.68185	22.66201	22.70169	0.12370	ug/L	10/19/10	03:23	
61701-2	Be	-0.00864	-0.02157	0.00428	211.46302	ug/L	10/19/10	03:23	
61701-2	Ca	1614.60571	1613.00378	1616.20764	0.14031	ug/L	10/19/10	03:23	
61701-2	Cd	0.02965	-0.10014	0.15946	619.00018	ug/L	10/19/10	03:23	
61701-2	Co	0.06402	0.01050	0.11755	118.22452	ug/L	10/19/10	03:23	
61701-2	Cr	0.08336	0.12937	0.03736	78.04225	ug/L	10/19/10	03:23	
61701-2	Cu	0.41670	0.20252	0.63088	72.68891	ug/L	10/19/10	03:23	
61701-2	Fe	-10.20265	-21.20942	0.80410	152.56727	ug/L	10/19/10	03:23	
61701-2	2Fe	-0.01020	-0.02120	0.00080	152.56678	mg/L	10/19/10	03:23	
61701-2	K	170.32443	171.76278	168.88609	1.19426	ug/L	10/19/10	03:23	
61701-2	Mg	303.96676	306.47586	301.45767	1.16736	ug/L	10/19/10	03:23	
61701-2	2Mg	0.30388	0.30639	0.30137	1.16823	mg/L	10/19/10	03:23	
61701-2	Mn	10.83430	10.78424	10.88437	0.65350	ug/L	10/19/10	03:23	
61701-2	Mo	0.99010	-1.00322	2.98343	284.71771	ug/L	10/19/10	03:23	
61701-2	Na	132101.81250	131676.76562	132526.84375	0.45502	ug/L	10/19/10	03:23	
61701-2	Ni	0.37236	0.68725	0.05747	119.59221	ug/L	10/19/10	03:23	
61701-2	Pb	-0.42952	-2.54891	1.68985	697.80242	ug/L	10/19/10	03:23	
61701-2	Se	1.34458	4.66492	-1.97574	349.22689	ug/L	10/19/10	03:23	
61701-2	Sb	-4.28217	-3.08565	-5.47869	39.51576	ug/L	10/19/10	03:23	
61701-2	Sn	-1.88404	-2.37953	-1.38856	37.19256	ug/L	10/19/10	03:23	
61701-2	Sr	4.70038	4.64738	4.75337	1.59457	ug/L	10/19/10	03:23	
61701-2	Ti	0.16507	0.21710	0.11304	44.57376	ug/L	10/19/10	03:23	
61701-2	Tl	1.93761	-2.88049	6.75571	351.66101	ug/L	10/19/10	03:23	
61701-2	V	-0.36072	-0.02373	-0.69771	132.11471	ug/L	10/19/10	03:23	
61701-2	Zn	12.81924	12.76087	12.87762	0.64396	ug/L	10/19/10	03:23	
61701-2	2203/1	0.00917	-0.18555	0.20391	3001.40527	ug/L	10/19/10	03:23	
61701-2	2203/2	-0.64855	-3.72881	2.43171	671.67382	ug/L	10/19/10	03:23	
61701-2	1960/1	11.13143	7.67146	14.59141	43.95787	ug/L	10/19/10	03:23	
61701-2	1960/2	-3.54150	3.16390	-10.24690	267.76449	ug/L	10/19/10	03:23	
61701-2	Y	976.20300	978.04797	974.35797	0.26728		10/19/10	03:23	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61701-2L	Ag	-0.16462	0.01511	-0.34435	154.40414	ug/L	10/19/10	03:28	
61701-2L	Al	-8.65925	-9.47801	-7.84048	13.37188	ug/L	10/19/10	03:28	
61701-2L	2Al	-0.00865	-0.00947	-0.00784	13.37196	mg/L	10/19/10	03:28	
61701-2L	As	3.34430	6.69382	-0.00521	141.64196	ug/L	10/19/10	03:28	
61701-2L	B	-2.03871	-0.61779	-3.45962	98.56610	ug/L	10/19/10	03:28	
61701-2L	Ba	4.77367	5.06657	4.48077	8.67725	ug/L	10/19/10	03:28	
61701-2L	Be	0.00285	0.04560	-0.03988	2114.83374	ug/L	10/19/10	03:28	
61701-2L	Ca	324.11590	343.47970	304.75213	8.44899	ug/L	10/19/10	03:28	
61701-2L	Cd	-0.44036	-0.33054	-0.55017	35.26715	ug/L	10/19/10	03:28	
61701-2L	Co	0.54855	0.23597	0.86112	80.58457	ug/L	10/19/10	03:28	
61701-2L	Cr	0.05713	0.12556	-0.01129	169.38566	ug/L	10/19/10	03:28	
61701-2L	Cu	-0.80933	-0.68286	-0.93581	22.10033	ug/L	10/19/10	03:28	
61701-2L	Fe	-1.77205	3.45916	-7.00327	417.48498	ug/L	10/19/10	03:28	
61701-2L	2Fe	-0.00177	0.00345	-0.00700	417.53588	mg/L	10/19/10	03:28	
61701-2L	K	34.64392	41.05108	28.23675	26.15494	ug/L	10/19/10	03:28	
61701-2L	Mg	51.21846	55.64734	46.78958	12.22875	ug/L	10/19/10	03:28	
61701-2L	2Mg	0.05120	0.05563	0.04677	12.22607	mg/L	10/19/10	03:28	
61701-2L	Mn	2.04675	2.17696	1.91654	8.99679	ug/L	10/19/10	03:28	
61701-2L	Mo	-0.63576	-1.71407	0.44253	239.85997	ug/L	10/19/10	03:28	
61701-2L	Na	24439.13671	25964.92578	22913.34960	8.82924	ug/L	10/19/10	03:28	
61701-2L	Ni	1.09793	1.23177	0.96409	17.23902	ug/L	10/19/10	03:28	
61701-2L	Pb	0.83164	-1.40544	3.06874	380.41650	ug/L	10/19/10	03:28	
61701-2L	Se	1.49179	-0.30161	3.28519	170.01425	ug/L	10/19/10	03:28	
61701-2L	Sb	0.39798	9.30835	-8.51238	3166.24975	ug/L	10/19/10	03:28	
61701-2L	Sn	0.40710	1.61319	-0.79899	418.98242	ug/L	10/19/10	03:28	
61701-2L	Sr	0.92862	1.00838	0.84886	12.14718	ug/L	10/19/10	03:28	
61701-2L	Ti	0.06336	0.12846	-0.00173	145.30070	ug/L	10/19/10	03:28	
61701-2L	Tl	-5.72810	2.05276	-13.50897	192.10226	ug/L	10/19/10	03:28	
61701-2L	V	0.53772	1.11442	-0.03897	151.67036	ug/L	10/19/10	03:28	
61701-2L	Zn	3.38231	3.93406	2.83056	23.06985	ug/L	10/19/10	03:28	
61701-2L	2203/1	4.17473	2.76726	5.58221	47.67901	ug/L	10/19/10	03:28	
61701-2L	2203/2	-0.83738	-3.48867	1.81389	447.75930	ug/L	10/19/10	03:28	
61701-2L	1960/1	10.83472	12.07288	9.59656	16.16123	ug/L	10/19/10	03:28	
61701-2L	1960/2	-3.17267	-6.47958	0.13424	147.40512	ug/L	10/19/10	03:28	
61701-2L	Y	981.24743	984.59094	977.90393	0.48187		10/19/10	03:28	
61701-2A	Ag	45.56988	45.58928	45.55047	0.06022	ug/L	10/19/10	03:33	
61701-2A	Al	2000.20996	1997.49633	2002.92346	0.19185	ug/L	10/19/10	03:33	
61701-2A	2Al	2.00023	1.99762	2.00284	0.18453	mg/L	10/19/10	03:33	
61701-2A	As	2044.39282	2046.55798	2042.22753	0.14977	ug/L	10/19/10	03:33	
61701-2A	B	903.90441	904.20251	903.60632	0.04663	ug/L	10/19/10	03:33	
61701-2A	Ba	2043.54321	2042.58288	2044.50366	0.06646	ug/L	10/19/10	03:33	
61701-2A	Be	51.21346	51.22565	51.20127	0.03366	ug/L	10/19/10	03:33	
61701-2A	Ca	6111.45800	6113.13134	6109.78515	0.03871	ug/L	10/19/10	03:33	
61701-2A	Cd	51.56186	51.81083	51.31288	0.68287	ug/L	10/19/10	03:33	
61701-2A	Co	517.80346	518.03918	517.56768	0.06438	ug/L	10/19/10	03:33	
61701-2A	Cr	204.58123	204.43060	204.73188	0.10413	ug/L	10/19/10	03:33	
61701-2A	Cu	256.02017	255.44502	256.59530	0.31769	ug/L	10/19/10	03:33	
61701-2A	Fe	1038.81347	1039.89379	1037.73315	0.14707	ug/L	10/19/10	03:33	
61701-2A	2Fe	1.03889	1.03997	1.03781	0.14704	mg/L	10/19/10	03:33	
61701-2A	K	4956.23046	4967.24414	4945.21630	0.31427	ug/L	10/19/10	03:33	
61701-2A	Mg	4829.32324	4832.93164	4825.71435	0.10567	ug/L	10/19/10	03:33	
61701-2A	2Mg	4.82801	4.83162	4.82440	0.10566	mg/L	10/19/10	03:33	
61701-2A	Mn	522.04113	521.73175	522.35058	0.08382	ug/L	10/19/10	03:33	
61701-2A	Mo	448.72955	448.41674	449.04238	0.09858	ug/L	10/19/10	03:33	
61701-2A	Na	135234.21875	135119.90625	135348.54687	0.11955	ug/L	10/19/10	03:33	
61701-2A	Ni	511.02346	510.56509	511.48184	0.12685	ug/L	10/19/10	03:33	
61701-2A	Pb	516.97802	517.74737	516.20874	0.21044	ug/L	10/19/10	03:33	
61701-2A	Se	2050.55151	2055.08959	2046.01342	0.31298	ug/L	10/19/10	03:33	
61701-2A	Sb	492.29064	494.65118	489.93011	0.67811	ug/L	10/19/10	03:33	
61701-2A	Sn	911.40441	911.68585	911.12304	0.04366	ug/L	10/19/10	03:33	
61701-2A	Sr	454.24676	453.63339	454.86013	0.19096	ug/L	10/19/10	03:33	
61701-2A	Ti	896.14953	896.02844	896.27069	0.01911	ug/L	10/19/10	03:33	
61701-2A	Tl	2091.90380	2102.48999	2081.31787	0.71566	ug/L	10/19/10	03:33	
61701-2A	V	509.87420	509.37850	510.36993	0.13749	ug/L	10/19/10	03:33	
61701-2A	Zn	539.90283	539.59191	540.21374	0.08144	ug/L	10/19/10	03:33	
61701-2A	2203/1	524.36688	527.01568	521.71807	0.71438	ug/L	10/19/10	03:33	
61701-2A	2203/2	513.28918	513.12017	513.45819	0.04656	ug/L	10/19/10	03:33	
61701-2A	1960/1	2109.18750	2123.10253	2095.27221	0.93301	ug/L	10/19/10	03:33	
61701-2A	1960/2	2021.27685	2021.13354	2021.42028	0.01003	ug/L	10/19/10	03:33	
61701-2A	Y	966.46948	966.05993	966.87896	0.05992		10/19/10	03:33	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61701-2S	Ag	47.72900	47.83894	47.61906	0.32575	ug/L	10/19/10	03:38	
61701-2S	Al	2064.59716	2061.70556	2067.48876	0.19806	ug/L	10/19/10	03:38	
61701-2S	2Al	2.06452	2.06163	2.06741	0.19812	mg/L	10/19/10	03:38	
61701-2S	As	2130.00634	2128.27856	2131.73388	0.11470	ug/L	10/19/10	03:38	
61701-2S	B	1025.28588	1023.38842	1027.18334	0.26172	ug/L	10/19/10	03:38	
61701-2S	Ba	2118.60253	2119.32373	2117.88134	0.04814	ug/L	10/19/10	03:38	
61701-2S	Be	53.50327	53.53221	53.47433	0.07650	ug/L	10/19/10	03:38	
61701-2S	Ca	7195.18212	7195.58056	7194.78369	0.00783	ug/L	10/19/10	03:38	
61701-2S	Cd	53.82056	54.14215	53.49898	0.84500	ug/L	10/19/10	03:38	
61701-2S	Co	540.58154	541.62152	539.54162	0.27206	ug/L	10/19/10	03:38	
61701-2S	Cr	213.17514	212.50511	213.84516	0.44450	ug/L	10/19/10	03:38	
61701-2S	Cu	266.73889	266.64120	266.83660	0.05180	ug/L	10/19/10	03:38	
61701-2S	Fe	1062.23339	1045.00329	1079.46337	2.29393	ug/L	10/19/10	03:38	
61701-2S	2Fe	1.06232	1.04509	1.07955	2.29342	mg/L	10/19/10	03:38	
61701-2S	K	5827.48828	5827.44677	5827.52978	0.00100	ug/L	10/19/10	03:38	
61701-2S	Mg	5577.76855	5573.41210	5582.12548	0.11046	ug/L	10/19/10	03:38	
61701-2S	2Mg	5.57625	5.57190	5.58060	0.11037	mg/L	10/19/10	03:38	
61701-2S	Mn	546.23406	546.58325	545.88488	0.09040	ug/L	10/19/10	03:38	
61701-2S	Mo	514.27087	512.94329	515.59844	0.36507	ug/L	10/19/10	03:38	
61701-2S	Na	170537.01562	171331.45312	169742.57812	0.65880	ug/L	10/19/10	03:38	
61701-2S	Ni	532.45068	533.57989	531.32147	0.29992	ug/L	10/19/10	03:38	
61701-2S	Pb	539.26007	541.06488	537.45526	0.47331	ug/L	10/19/10	03:38	
61701-2S	Se	2153.26757	2158.19287	2148.34228	0.32348	ug/L	10/19/10	03:38	
61701-2S	Sb	520.34112	517.71667	522.96557	0.71328	ug/L	10/19/10	03:38	
61701-2S	Sn	1051.14428	1048.46752	1053.82116	0.36014	ug/L	10/19/10	03:38	
61701-2S	Sr	517.22125	518.34710	516.09539	0.30783	ug/L	10/19/10	03:38	
61701-2S	Ti	1024.94763	1025.53698	1024.35827	0.08131	ug/L	10/19/10	03:38	
61701-2S	Tl	2178.64770	2171.35986	2185.93554	0.47307	ug/L	10/19/10	03:38	
61701-2S	V	532.66705	531.66021	533.67388	0.26731	ug/L	10/19/10	03:38	
61701-2S	Zn	570.24047	569.73199	570.74896	0.12610	ug/L	10/19/10	03:38	
61701-2S	2203/1	543.42761	547.61755	539.23760	1.09039	ug/L	10/19/10	03:38	
61701-2S	2203/2	537.17944	537.79345	536.56542	0.16164	ug/L	10/19/10	03:38	
61701-2S	1960/1	2199.64843	2192.74121	2206.55566	0.44408	ug/L	10/19/10	03:38	
61701-2S	1960/2	2130.11132	2140.94409	2119.27880	0.71919	ug/L	10/19/10	03:38	
61701-2S	Y	969.59692	967.37396	971.81994	0.32423		10/19/10	03:38	
61701-2SD	Ag	46.37655	46.76555	45.98755	1.18622	ug/L	10/19/10	03:44	
61701-2SD	Al	2066.88696	2066.66577	2067.10815	0.01513	ug/L	10/19/10	03:44	
61701-2SD	2Al	2.06691	2.06679	2.06703	0.00807	mg/L	10/19/10	03:44	
61701-2SD	As	2121.61914	2124.31884	2118.91967	0.17994	ug/L	10/19/10	03:44	
61701-2SD	B	973.56054	975.28015	971.84088	0.24979	ug/L	10/19/10	03:44	
61701-2SD	Ba	2110.76855	2112.55078	2108.98657	0.11940	ug/L	10/19/10	03:44	
61701-2SD	Be	53.11864	53.11600	53.12127	0.00701	ug/L	10/19/10	03:44	
61701-2SD	Ca	6487.69384	6489.60449	6485.78320	0.04164	ug/L	10/19/10	03:44	
61701-2SD	Cd	52.84751	52.93849	52.75652	0.24348	ug/L	10/19/10	03:44	
61701-2SD	Co	538.23864	538.54193	537.93536	0.07968	ug/L	10/19/10	03:44	
61701-2SD	Cr	212.72817	213.06333	212.39303	0.22280	ug/L	10/19/10	03:44	
61701-2SD	Cu	266.08804	266.63024	265.54583	0.28817	ug/L	10/19/10	03:44	
61701-2SD	Fe	1074.96716	1081.95483	1067.97949	0.91928	ug/L	10/19/10	03:44	
61701-2SD	2Fe	1.07505	1.08204	1.06806	0.91911	mg/L	10/19/10	03:44	
61701-2SD	K	5452.44921	5446.84570	5458.05224	0.14533	ug/L	10/19/10	03:44	
61701-2SD	Mg	5226.12744	5223.74169	5228.51318	0.06455	ug/L	10/19/10	03:44	
61701-2SD	2Mg	5.22471	5.22232	5.22709	0.06457	mg/L	10/19/10	03:44	
61701-2SD	Mn	541.03344	541.68804	540.37878	0.17111	ug/L	10/19/10	03:44	
61701-2SD	Mo	488.48907	491.07751	485.90063	0.74937	ug/L	10/19/10	03:44	
61701-2SD	Na	133545.56250	133803.35937	133287.75000	0.27300	ug/L	10/19/10	03:44	
61701-2SD	Ni	529.40466	528.66729	530.14208	0.19698	ug/L	10/19/10	03:44	
61701-2SD	Pb	535.21081	535.83166	534.58996	0.16405	ug/L	10/19/10	03:44	
61701-2SD	Se	2127.51513	2128.82397	2126.20629	0.08700	ug/L	10/19/10	03:44	
61701-2SD	Sb	507.86914	503.75573	511.98254	1.14541	ug/L	10/19/10	03:44	
61701-2SD	Sn	990.91906	995.82183	986.01629	0.69971	ug/L	10/19/10	03:44	
61701-2SD	Sr	490.69561	490.67782	490.71343	0.00513	ug/L	10/19/10	03:44	
61701-2SD	Ti	972.04602	972.38732	971.70465	0.04966	ug/L	10/19/10	03:44	
61701-2SD	Tl	2156.91992	2155.15747	2158.68212	0.11554	ug/L	10/19/10	03:44	
61701-2SD	V	530.23767	530.33142	530.14398	0.02499	ug/L	10/19/10	03:44	
61701-2SD	Zn	562.65197	563.83819	561.46569	0.29816	ug/L	10/19/10	03:44	
61701-2SD	2203/1	536.17980	530.10601	542.25360	1.60200	ug/L	10/19/10	03:44	
61701-2SD	2203/2	534.72705	538.69018	530.76391	1.04814	ug/L	10/19/10	03:44	
61701-2SD	1960/1	2151.35644	2143.67089	2159.04199	0.50521	ug/L	10/19/10	03:44	
61701-2SD	1960/2	2115.61157	2121.41088	2109.81225	0.38766	ug/L	10/19/10	03:44	
61701-2SD	Y	971.20349	971.93695	970.46997	0.10680		10/19/10	03:44	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62077-8	Ag	0.59465	0.62554	0.56376	7.34687	ug/L	10/19/10	03:49	
62077-8	Al	18.13303	24.94478	11.32128	53.12554	ug/L	10/19/10	03:49	
62077-8	2Al	0.01813	0.02494	0.01132	53.12554	mg/L	10/19/10	03:49	
62077-8	As	2.23287	4.14362	0.32212	121.01923	ug/L	10/19/10	03:49	
62077-8	B	25.28965	25.68699	24.89231	2.22193	ug/L	10/19/10	03:49	
62077-8	Ba	15.82750	15.81563	15.83937	0.10605	ug/L	10/19/10	03:49	
62077-8	Be	-0.00261	-0.02609	0.02085	1267.99804	ug/L	10/19/10	03:49	
62077-8	Ca	5536.41796	5530.67285	5542.16308	0.14675	ug/L	10/19/10	03:49	
62077-8	Cd	-0.16275	-0.30881	-0.01670	126.91061	ug/L	10/19/10	03:49	
62077-8	Co	-0.43308	-0.15646	-0.70970	90.32906	ug/L	10/19/10	03:49	
62077-8	Cr	-0.26720	0.51295	-1.04735	412.91317	ug/L	10/19/10	03:49	
62077-8	Cu	2.67659	3.01570	2.33748	17.91736	ug/L	10/19/10	03:49	
62077-8	Fe	21.75110	20.43128	23.07091	8.58119	ug/L	10/19/10	03:49	
62077-8	2Fe	0.02174	0.02042	0.02306	8.58080	mg/L	10/19/10	03:49	
62077-8	K	737.29956	731.89575	742.70336	1.03650	ug/L	10/19/10	03:49	
62077-8	Mg	888.62841	889.25354	888.00335	0.09948	ug/L	10/19/10	03:49	
62077-8	2Mg	0.88840	0.88902	0.88777	0.09951	mg/L	10/19/10	03:49	
62077-8	Mn	66.32750	66.27134	66.38366	0.11974	ug/L	10/19/10	03:49	
62077-8	Mo	-1.23962	-1.83239	-0.64685	67.62532	ug/L	10/19/10	03:49	
62077-8	Na	142687.40625	142662.35937	142712.43750	0.02481	ug/L	10/19/10	03:49	
62077-8	Ni	0.59710	0.01190	1.18230	138.60107	ug/L	10/19/10	03:49	
62077-8	Pb	-2.15592	-0.92097	-3.39087	81.00865	ug/L	10/19/10	03:49	
62077-8	Se	-2.03561	-4.60107	0.52984	178.23179	ug/L	10/19/10	03:49	
62077-8	Sb	-3.24910	-1.25580	-5.24241	86.76111	ug/L	10/19/10	03:49	
62077-8	Sn	-1.13152	-3.21251	0.94945	260.08691	ug/L	10/19/10	03:49	
62077-8	Sr	70.55715	70.49027	70.62403	0.13404	ug/L	10/19/10	03:49	
62077-8	Ti	0.05287	0.38086	-0.27510	877.19586	ug/L	10/19/10	03:49	
62077-8	Tl	7.57166	11.41832	3.72500	71.84674	ug/L	10/19/10	03:49	
62077-8	V	0.02927	-0.12000	0.17856	721.08435	ug/L	10/19/10	03:49	
62077-8	Zn	91.20600	91.37201	91.03998	0.25741	ug/L	10/19/10	03:49	
62077-8	2203/1	2.99763	2.72398	3.27129	12.91034	ug/L	10/19/10	03:49	
62077-8	2203/2	-4.72884	-2.74071	-6.71696	59.45708	ug/L	10/19/10	03:49	
62077-8	1960/1	4.39739	4.67856	4.11623	9.04234	ug/L	10/19/10	03:49	
62077-8	1960/2	-5.24729	-9.23394	-1.26065	107.44507	ug/L	10/19/10	03:49	
62077-8	Y	970.57348	969.89398	971.25292	0.09900		10/19/10	03:49	
62077-41	Ag	1.23513	0.68649	1.78377	62.81842	ug/L	10/19/10	03:54	
62077-41	Al	9.62692	11.34018	7.91365	25.16815	ug/L	10/19/10	03:54	
62077-41	2Al	0.00962	0.01134	0.00791	25.16829	mg/L	10/19/10	03:54	
62077-41	As	3.32569	2.77792	3.87346	23.29331	ug/L	10/19/10	03:54	
62077-41	B	15.23286	16.83179	13.63393	14.84438	ug/L	10/19/10	03:54	
62077-41	Ba	3.15789	3.05527	3.26051	4.59567	ug/L	10/19/10	03:54	
62077-41	Be	-0.00823	-0.01683	0.00037	147.84968	ug/L	10/19/10	03:54	
62077-41	Ca	1266.06787	1264.52392	1267.61181	0.17246	ug/L	10/19/10	03:54	
62077-41	Cd	0.54643	0.58303	0.50982	9.47312	ug/L	10/19/10	03:54	
62077-41	Co	0.14658	-0.41169	0.70486	538.60528	ug/L	10/19/10	03:54	
62077-41	Cr	-0.07739	-0.19643	0.04165	217.53433	ug/L	10/19/10	03:54	
62077-41	Cu	1.68381	1.03011	2.33752	54.90368	ug/L	10/19/10	03:54	
62077-41	Fe	17.84573	8.69170	26.99976	72.54256	ug/L	10/19/10	03:54	
62077-41	2Fe	0.01784	0.00869	0.02699	72.54376	mg/L	10/19/10	03:54	
62077-41	K	570.18786	571.45812	568.91760	0.31505	ug/L	10/19/10	03:54	
62077-41	Mg	241.00186	234.46885	247.53486	3.83360	ug/L	10/19/10	03:54	
62077-41	2Mg	0.24094	0.23441	0.24747	3.83253	mg/L	10/19/10	03:54	
62077-41	Mn	23.42506	23.44147	23.40866	0.09904	ug/L	10/19/10	03:54	
62077-41	Mo	0.53677	0.99249	0.08105	120.06594	ug/L	10/19/10	03:54	
62077-41	Na	145809.95312	145736.12500	145883.78125	0.07160	ug/L	10/19/10	03:54	
62077-41	Ni	1.09587	0.85508	1.33666	31.07394	ug/L	10/19/10	03:54	
62077-41	Pb	-0.78784	-1.09432	-0.48136	55.01423	ug/L	10/19/10	03:54	
62077-41	Se	5.20400	4.15249	6.25551	28.57530	ug/L	10/19/10	03:54	
62077-41	Sb	-5.37238	-7.90294	-2.84182	66.61386	ug/L	10/19/10	03:54	
62077-41	Sn	-0.79196	-0.76599	-0.81792	4.63730	ug/L	10/19/10	03:54	
62077-41	Sr	11.23303	11.21973	11.24633	0.16740	ug/L	10/19/10	03:54	
62077-41	Ti	-0.29734	-0.25745	-0.33723	18.97198	ug/L	10/19/10	03:54	
62077-41	Tl	1.16964	2.68098	-0.34169	182.73579	ug/L	10/19/10	03:54	
62077-41	V	1.21129	0.62113	1.80145	68.90283	ug/L	10/19/10	03:54	
62077-41	Zn	42.57410	42.11973	43.02848	1.50932	ug/L	10/19/10	03:54	
62077-41	2203/1	0.67649	-0.20476	1.55774	184.22703	ug/L	10/19/10	03:54	
62077-41	2203/2	-1.51891	-1.53844	-1.49939	1.81786	ug/L	10/19/10	03:54	
62077-41	1960/1	6.01605	8.33456	3.69755	54.50185	ug/L	10/19/10	03:54	
62077-41	1960/2	4.79858	2.06459	7.53257	80.57476	ug/L	10/19/10	03:54	
62077-41	Y	968.47192	969.60595	967.33795	0.16559		10/19/10	03:54	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	504.95938	505.49328	504.42547	0.14952	ug/L	10/19/10	03:59	
CCV	Al	5058.80712	5060.00781	5057.60644	0.03356	ug/L	10/19/10	03:59	
CCV	2Al	5.05878	5.05988	5.05769	0.03068	mg/L	10/19/10	03:59	
CCV	As	509.57754	510.20080	508.95428	0.17297	ug/L	10/19/10	03:59	
CCV	B	5080.23730	5074.51367	5085.96093	0.15933	ug/L	10/19/10	03:59	
CCV	Ba	5046.64453	5050.40527	5042.88427	0.10537	ug/L	10/19/10	03:59	
CCV	Be	510.88281	511.55075	510.21490	0.18489	ug/L	10/19/10	03:59	
CCV	Ca	5082.59472	5081.53710	5083.65234	0.02942	ug/L	10/19/10	03:59	
CCV	Cd	504.99264	504.76553	505.21975	0.06360	ug/L	10/19/10	03:59	
CCV	Co	513.59997	513.65301	513.54687	0.01461	ug/L	10/19/10	03:59	
CCV	Cr	5096.89648	5098.26660	5095.52587	0.03802	ug/L	10/19/10	03:59	
CCV	Cu	5049.75683	5052.80810	5046.70556	0.08545	ug/L	10/19/10	03:59	
CCV	Fe	5098.40283	5083.90039	5112.90527	0.40227	ug/L	10/19/10	03:59	
CCV	2Fe	5.09840	5.08390	5.11290	0.40220	mg/L	10/19/10	03:59	
CCV	K	9980.48242	9988.06347	9972.90039	0.10742	ug/L	10/19/10	03:59	
CCV	Mg	5222.13671	5216.41503	5227.85839	0.15494	ug/L	10/19/10	03:59	
CCV	2Mg	5.22211	5.21639	5.22782	0.15483	mg/L	10/19/10	03:59	
CCV	Mn	5120.58007	5120.71923	5120.44042	0.00385	ug/L	10/19/10	03:59	
CCV	Mo	499.87847	501.20095	498.55603	0.37414	ug/L	10/19/10	03:59	
CCV	Na	7536.02734	7485.65576	7586.39892	0.94527	ug/L	10/19/10	03:59	
CCV	Ni	2557.28881	2557.78735	2556.79028	0.02756	ug/L	10/19/10	03:59	
CCV	Pb	519.17034	521.97644	516.36425	0.76437	ug/L	10/19/10	03:59	
CCV	Se	5062.11376	5078.67919	5045.54833	0.46279	ug/L	10/19/10	03:59	
CCV	Sb	496.79248	497.34686	496.23812	0.15781	ug/L	10/19/10	03:59	
CCV	Sn	5111.84082	5099.40185	5124.27978	0.34412	ug/L	10/19/10	03:59	
CCV	Sr	2533.38525	2532.71777	2534.05297	0.03726	ug/L	10/19/10	03:59	
CCV	Ti	504.35003	504.28106	504.41900	0.01933	ug/L	10/19/10	03:59	
CCV	Tl	5047.66406	5040.97558	5054.35205	0.18738	ug/L	10/19/10	03:59	
CCV	V	5111.31542	5113.23535	5109.39550	0.05312	ug/L	10/19/10	03:59	
CCV	Zn	2578.44580	2576.41601	2580.47534	0.11132	ug/L	10/19/10	03:59	
CCV	2203/1	523.82568	525.37377	522.27764	0.41794	ug/L	10/19/10	03:59	
CCV	2203/2	516.84619	520.28033	513.41198	0.93967	ug/L	10/19/10	03:59	
CCV	1960/1	5129.88769	5140.38330	5119.39208	0.28934	ug/L	10/19/10	03:59	
CCV	1960/2	5028.27734	5047.87304	5008.68212	0.55112	ug/L	10/19/10	03:59	
CCV	Y	971.26647	971.17193	971.36096	0.01376		10/19/10	03:59	
CCB	Ag	0.56525	0.32143	0.80907	61.00189	ug/L	10/19/10	04:04	
CCB	Al	0.43957	0.80183	0.07731	116.54757	ug/L	10/19/10	04:04	
CCB	2Al	0.00043	0.00080	0.00007	116.55458	mg/L	10/19/10	04:04	
CCB	As	0.75771	0.32464	1.19079	80.82981	ug/L	10/19/10	04:04	
CCB	B	8.92046	10.14648	7.69444	19.43677	ug/L	10/19/10	04:04	
CCB	Ba	1.32758	0.23712	2.41805	116.16183	ug/L	10/19/10	04:04	
CCB	Be	0.13576	0.05788	0.21365	81.12651	ug/L	10/19/10	04:04	
CCB	Ca	4.68913	3.98801	5.39025	21.14540	ug/L	10/19/10	04:04	
CCB	Cd	0.10789	-0.00175	0.21754	143.71566	ug/L	10/19/10	04:04	
CCB	Co	0.14408	0.37842	-0.09024	229.99824	ug/L	10/19/10	04:04	
CCB	Cr	-0.14824	-0.62203	0.32554	451.98522	ug/L	10/19/10	04:04	
CCB	Cu	0.85283	-0.17678	1.88245	170.73635	ug/L	10/19/10	04:04	
CCB	Fe	15.21462	16.47507	13.95418	11.71594	ug/L	10/19/10	04:04	
CCB	2Fe	0.01521	0.01647	0.01395	11.71549	mg/L	10/19/10	04:04	
CCB	K	18.11581	11.81420	24.41742	49.19361	ug/L	10/19/10	04:04	
CCB	Mg	-7.32011	-8.88327	-5.75695	30.19956	ug/L	10/19/10	04:04	
CCB	2Mg	-0.00732	-0.00888	-0.00575	30.20328	mg/L	10/19/10	04:04	
CCB	Mn	1.20183	0.27444	2.12922	109.12714	ug/L	10/19/10	04:04	
CCB	Mo	0.07843	1.99202	-1.83515	3450.19482	ug/L	10/19/10	04:04	
CCB	Na	82.82674	105.41477	60.23871	38.56761	ug/L	10/19/10	04:04	
CCB	Ni	1.51171	0.79514	2.22828	67.03546	ug/L	10/19/10	04:04	
CCB	Pb	-1.13509	-1.96723	-0.30294	103.67678	ug/L	10/19/10	04:04	
CCB	Se	2.05886	-2.36550	6.48322	303.90524	ug/L	10/19/10	04:04	
CCB	Sb	-1.08781	0.41528	-2.59090	195.41015	ug/L	10/19/10	04:04	
CCB	Sn	6.27293	4.42573	8.12013	41.64457	ug/L	10/19/10	04:04	
CCB	Sr	0.56853	0.05359	1.08347	128.08921	ug/L	10/19/10	04:04	
CCB	Ti	-0.09659	-0.18830	-0.00489	134.25938	ug/L	10/19/10	04:04	
CCB	Tl	-2.93431	-6.73717	0.86854	183.28146	ug/L	10/19/10	04:04	
CCB	V	1.99390	0.94173	3.04607	74.62691	ug/L	10/19/10	04:04	
CCB	Zn	0.47274	-0.43655	1.38204	272.01876	ug/L	10/19/10	04:04	
CCB	2203/1	5.10533	5.28769	4.92297	5.05151	ug/L	10/19/10	04:04	
CCB	2203/2	-4.25062	-5.58925	-2.91199	44.53724	ug/L	10/19/10	04:04	
CCB	1960/1	8.28779	3.38357	13.19200	83.68460	ug/L	10/19/10	04:04	
CCB	1960/2	-1.05092	-5.23573	3.13387	563.14025	ug/L	10/19/10	04:04	
CCB	Y	969.82641	971.15393	968.49896	0.19357		10/19/10	04:04	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62136-1	Ag	-0.01238	-0.46844	0.44367	5206.52001	ug/L	10/19/10	04:10	
62136-1	Al	1418.90966	1422.02624	1415.79309	0.31062	ug/L	10/19/10	04:10	
62136-1	2Al	1.41879	1.42191	1.41568	0.31060	mg/L	10/19/10	04:10	
62136-1	As	-2.02192	0.16453	-4.20837	152.92933	ug/L	10/19/10	04:10	
62136-1	B	27.66937	27.78059	27.55815	0.56847	ug/L	10/19/10	04:10	
62136-1	Ba	11823.44335	11819.12402	11827.76269	0.05166	ug/L	10/19/10	04:10	
62136-1	Be	-0.02347	-0.03926	-0.00768	95.10765	ug/L	10/19/10	04:10	
62136-1	Ca	537.12860	536.95965	537.29754	0.04448	ug/L	10/19/10	04:10	
62136-1	Cd	0.42234	0.68812	0.15655	88.99874	ug/L	10/19/10	04:10	
62136-1	Co	3.07756	3.71251	2.44261	29.17755	ug/L	10/19/10	04:10	
62136-1	Cr	2.46358	2.47379	2.45337	0.58607	ug/L	10/19/10	04:10	
62136-1	Cu	60.10620	59.56621	60.64619	1.27051	ug/L	10/19/10	04:10	
62136-1	Fe	92.42604	79.55704	105.29504	19.69089	ug/L	10/19/10	04:10	
62136-1	2Fe	0.09241	0.07954	0.10528	19.69028	mg/L	10/19/10	04:10	
62136-1	K	150.58457	149.52046	151.64869	0.99936	ug/L	10/19/10	04:10	
62136-1	Mg	105.65978	104.47221	106.84735	1.58951	ug/L	10/19/10	04:10	
62136-1	2Mg	0.10563	0.10445	0.10682	1.58657	mg/L	10/19/10	04:10	
62136-1	Mn	48.86074	48.55757	49.16392	0.87750	ug/L	10/19/10	04:10	
62136-1	Mo	-1.52142	-2.12136	-0.92147	55.76657	ug/L	10/19/10	04:10	
62136-1	Na	115475.87500	115603.89062	115347.85156	0.15678	ug/L	10/19/10	04:10	
62136-1	Ni	19.43003	19.46869	19.39138	0.28135	ug/L	10/19/10	04:10	
62136-1	Pb	22.35645	22.16126	22.55164	1.23473	ug/L	10/19/10	04:10	
62136-1	Se	-4.39086	-3.74637	-5.03536	20.75790	ug/L	10/19/10	04:10	
62136-1	Sb	-4.97987	-9.47626	-0.48348	127.69100	ug/L	10/19/10	04:10	
62136-1	Sn	4.00670	4.19534	3.81806	6.65820	ug/L	10/19/10	04:10	
62136-1	Sr	88.89797	88.92543	88.87053	0.04366	ug/L	10/19/10	04:10	
62136-1	Ti	-0.36933	-0.21270	-0.52596	59.97492	ug/L	10/19/10	04:10	
62136-1	Tl	-8.24932	-10.23942	-6.25921	34.11717	ug/L	10/19/10	04:10	
62136-1	V	0.51156	1.00986	0.01327	137.75207	ug/L	10/19/10	04:10	
62136-1	Zn	21.59266	21.70199	21.48333	0.71607	ug/L	10/19/10	04:10	
62136-1	2203/1	24.90872	22.98859	26.82886	10.90173	ug/L	10/19/10	04:10	
62136-1	2203/2	21.08222	21.74821	20.41624	4.46748	ug/L	10/19/10	04:10	
62136-1	1960/1	3.08654	2.00270	4.17038	49.66015	ug/L	10/19/10	04:10	
62136-1	1960/2	-8.12397	-6.61660	-9.63133	26.24009	ug/L	10/19/10	04:10	
62136-1	Y	966.33447	963.01794	969.65093	0.48536		10/19/10	04:10	
62171-1	Ag	0.29316	0.38531	0.20102	44.44916	ug/L	10/19/10	04:15	
62171-1	Al	1582.15197	1584.32495	1579.97900	0.19423	ug/L	10/19/10	04:15	
62171-1	2Al	1.58215	1.58422	1.58008	0.18498	mg/L	10/19/10	04:15	
62171-1	As	-1.51265	-1.44592	-1.57938	6.23917	ug/L	10/19/10	04:15	
62171-1	B	9.43220	7.36861	11.49579	30.94036	ug/L	10/19/10	04:15	
62171-1	Ba	1456.31323	1456.16369	1456.46289	0.01452	ug/L	10/19/10	04:15	
62171-1	Be	-0.01331	-0.00964	-0.01698	38.94145	ug/L	10/19/10	04:15	
62171-1	Ca	247.10055	247.93910	246.26199	0.47992	ug/L	10/19/10	04:15	
62171-1	Cd	0.15767	0.25273	0.06260	85.26868	ug/L	10/19/10	04:15	
62171-1	Co	0.24134	-0.22024	0.70292	270.48233	ug/L	10/19/10	04:15	
62171-1	Cr	1.15570	1.32456	0.98684	20.66325	ug/L	10/19/10	04:15	
62171-1	Cu	26.90024	27.31702	26.48346	2.19111	ug/L	10/19/10	04:15	
62171-1	Fe	1924.90234	1931.58825	1918.21655	0.49120	ug/L	10/19/10	04:15	
62171-1	2Fe	1.92465	1.93134	1.91797	0.49119	mg/L	10/19/10	04:15	
62171-1	K	84.42839	89.69065	79.16613	8.81452	ug/L	10/19/10	04:15	
62171-1	Mg	25.99395	26.05016	25.93774	0.30580	ug/L	10/19/10	04:15	
62171-1	2Mg	0.02565	0.02571	0.02560	0.30326	mg/L	10/19/10	04:15	
62171-1	Mn	25.16909	25.18430	25.15388	0.08544	ug/L	10/19/10	04:15	
62171-1	Mo	0.17126	-0.46788	0.81041	527.78308	ug/L	10/19/10	04:15	
62171-1	Na	125654.67968	126269.21093	125040.14843	0.69164	ug/L	10/19/10	04:15	
62171-1	Ni	5.78708	5.48023	6.09393	7.49860	ug/L	10/19/10	04:15	
62171-1	Pb	8.40780	11.01068	5.80492	43.78108	ug/L	10/19/10	04:15	
62171-1	Se	0.77637	6.82983	-5.27708	1102.67602	ug/L	10/19/10	04:15	
62171-1	Sb	-4.74642	-3.87449	-5.61835	25.97937	ug/L	10/19/10	04:15	
62171-1	Sn	2.77903	4.89733	0.66072	107.79768	ug/L	10/19/10	04:15	
62171-1	Sr	10.27690	10.27104	10.28277	0.08072	ug/L	10/19/10	04:15	
62171-1	Ti	0.58891	0.36605	0.81177	53.51799	ug/L	10/19/10	04:15	
62171-1	Tl	-6.37304	-8.73498	-4.01110	52.41279	ug/L	10/19/10	04:15	
62171-1	V	-0.21418	-0.12029	-0.30808	61.99722	ug/L	10/19/10	04:15	
62171-1	Zn	139.98976	140.20317	139.77635	0.21559	ug/L	10/19/10	04:15	
62171-1	2203/1	11.40631	12.80430	10.00832	17.33299	ug/L	10/19/10	04:15	
62171-1	2203/2	6.91079	10.11521	3.70637	65.57472	ug/L	10/19/10	04:15	
62171-1	1960/1	8.16637	15.68316	0.64958	130.17216	ug/L	10/19/10	04:15	
62171-1	1960/2	-2.91308	2.40980	-8.23598	258.40994	ug/L	10/19/10	04:15	
62171-1	Y	967.63494	965.93395	969.33593	0.24860		10/19/10	04:15	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62115-1	Ag	0.05185	0.44989	-0.34617	1085.45568	ug/L	10/19/10	04:20	
62115-1	Al	2904.47509	2905.73144	2903.21875	0.06117	ug/L	10/19/10	04:20	
62115-1	2Al	2.90425	2.90550	2.90299	0.06114	mg/L	10/19/10	04:20	
62115-1	As	-0.24217	4.69580	-5.18015	2883.62402	ug/L	10/19/10	04:20	
62115-1	B	43.47975	41.94009	45.01941	5.00786	ug/L	10/19/10	04:20	
62115-1	Ba	142.25921	142.32412	142.19432	0.06452	ug/L	10/19/10	04:20	
62115-1	Be	-0.00130	-0.03934	0.03672	4114.29931	ug/L	10/19/10	04:20	
62115-1	Ca	89246.16406	89185.10156	89307.22656	0.09676	ug/L	10/19/10	04:20	
62115-1	Cd	-0.30467	-0.39308	-0.21627	41.03564	ug/L	10/19/10	04:20	
62115-1	Co	0.34927	0.24803	0.45051	40.99253	ug/L	10/19/10	04:20	
62115-1	Cr	391.71871	390.97024	392.46719	0.27021	ug/L	10/19/10	04:20	
62115-1	Cu	0.52518	0.93883	0.11154	111.38497	ug/L	10/19/10	04:20	
62115-1	Fe	-1.73049	-10.30860	6.84761	701.02978	ug/L	10/19/10	04:20	
62115-1	2Fe	-0.00173	-0.01031	0.00684	699.86798	mg/L	10/19/10	04:20	
62115-1	K	63589.35156	63511.98828	63666.71093	0.17204	ug/L	10/19/10	04:20	
62115-1	Mg	46.07280	41.42922	50.71638	14.25356	ug/L	10/19/10	04:20	
62115-1	2Mg	0.04606	0.04141	0.05070	14.24868	mg/L	10/19/10	04:20	
62115-1	Mn	0.87098	0.88730	0.85467	2.64929	ug/L	10/19/10	04:20	
62115-1	Mo	17.25789	16.17916	18.33662	8.83975	ug/L	10/19/10	04:20	
62115-1	Na	25012.97070	25127.71289	24898.22851	0.64874	ug/L	10/19/10	04:20	
62115-1	Ni	0.08693	-0.00287	0.17673	146.10420	ug/L	10/19/10	04:20	
62115-1	Pb	0.40792	0.68883	0.12700	97.39054	ug/L	10/19/10	04:20	
62115-1	Se	3.76031	2.85816	4.66247	33.92908	ug/L	10/19/10	04:20	
62115-1	Sb	-8.00215	-9.53914	-6.46517	27.16299	ug/L	10/19/10	04:20	
62115-1	Sn	0.78731	2.34563	-0.77100	279.91302	ug/L	10/19/10	04:20	
62115-1	Sr	636.26770	637.49908	635.03625	0.27370	ug/L	10/19/10	04:20	
62115-1	Ti	-0.13898	-0.24667	-0.03130	109.56513	ug/L	10/19/10	04:20	
62115-1	Tl	-3.62976	-5.49079	-1.76872	72.50909	ug/L	10/19/10	04:20	
62115-1	V	-0.35699	-0.58384	-0.13013	89.86692	ug/L	10/19/10	04:20	
62115-1	Zn	19.26633	19.25770	19.27495	0.06331	ug/L	10/19/10	04:20	
62115-1	2203/1	3.70829	5.78152	1.63505	79.06616	ug/L	10/19/10	04:20	
62115-1	2203/2	-1.23979	-1.85369	-0.62588	70.02695	ug/L	10/19/10	04:20	
62115-1	1960/1	10.79744	10.56827	11.02662	3.00163	ug/L	10/19/10	04:20	
62115-1	1960/2	0.24702	-0.99111	1.48517	708.82714	ug/L	10/19/10	04:20	
62115-1	Y	962.01898	960.69598	963.34197	0.19448		10/19/10	04:20	
62115-2	Ag	0.42066	0.45168	0.38963	10.42979	ug/L	10/19/10	04:26	
62115-2	Al	3312.33740	3314.61132	3310.06323	0.09709	ug/L	10/19/10	04:26	
62115-2	2Al	3.31245	3.31483	3.31007	0.10155	mg/L	10/19/10	04:26	
62115-2	As	-2.17079	1.86994	-6.21152	263.24349	ug/L	10/19/10	04:26	
62115-2	B	166.19833	166.63697	165.75967	0.37325	ug/L	10/19/10	04:26	
62115-2	Ba	142.54498	142.50160	142.58834	0.04303	ug/L	10/19/10	04:26	
62115-2	Be	0.00636	-0.02194	0.03468	628.76196	ug/L	10/19/10	04:26	
62115-2	Ca	107666.65625	107516.25000	107817.06250	0.19756	ug/L	10/19/10	04:26	
62115-2	Cd	-0.05456	-0.30599	0.19687	651.71508	ug/L	10/19/10	04:26	
62115-2	Co	0.46979	0.68437	0.25521	64.59541	ug/L	10/19/10	04:26	
62115-2	Cr	540.04614	539.45849	540.63372	0.15387	ug/L	10/19/10	04:26	
62115-2	Cu	0.51231	1.36624	-0.34160	235.71841	ug/L	10/19/10	04:26	
62115-2	Fe	7.33722	9.30013	5.37431	37.83414	ug/L	10/19/10	04:26	
62115-2	2Fe	0.00733	0.00929	0.00536	37.85501	mg/L	10/19/10	04:26	
62115-2	K	62552.64453	62420.93359	62684.35546	0.29777	ug/L	10/19/10	04:26	
62115-2	Mg	38.37677	41.55370	35.19982	11.70726	ug/L	10/19/10	04:26	
62115-2	2Mg	0.03836	0.04154	0.03518	11.70655	mg/L	10/19/10	04:26	
62115-2	Mn	0.17656	0.28070	0.07242	83.41481	ug/L	10/19/10	04:26	
62115-2	Mo	18.74875	18.43556	19.06194	2.36238	ug/L	10/19/10	04:26	
62115-2	Na	24917.73046	24815.42968	25020.03320	0.58061	ug/L	10/19/10	04:26	
62115-2	Ni	1.25083	1.31653	1.18514	7.42778	ug/L	10/19/10	04:26	
62115-2	Pb	-0.78135	-0.43609	-1.12661	62.49005	ug/L	10/19/10	04:26	
62115-2	Se	0.75794	1.99892	-0.48302	231.54553	ug/L	10/19/10	04:26	
62115-2	Sb	-3.75766	-4.32541	-3.18991	21.36747	ug/L	10/19/10	04:26	
62115-2	Sn	0.47183	-0.82690	1.77057	389.26412	ug/L	10/19/10	04:26	
62115-2	Sr	675.04931	673.30352	676.79516	0.36574	ug/L	10/19/10	04:26	
62115-2	Ti	-0.03438	0.40237	-0.47114	1796.20385	ug/L	10/19/10	04:26	
62115-2	Tl	-0.66901	-3.79825	2.46022	661.47839	ug/L	10/19/10	04:26	
62115-2	V	-0.25343	-0.72703	0.22016	264.28103	ug/L	10/19/10	04:26	
62115-2	Zn	2.47875	2.92098	2.03652	25.23083	ug/L	10/19/10	04:26	
62115-2	2203/1	0.12281	-2.81624	3.06186	3384.38208	ug/L	10/19/10	04:26	
62115-2	2203/2	-1.23276	0.75218	-3.21772	227.71147	ug/L	10/19/10	04:26	
62115-2	1960/1	7.62455	4.21793	11.03116	63.18636	ug/L	10/19/10	04:26	
62115-2	1960/2	-2.67020	0.89107	-6.23148	188.61520	ug/L	10/19/10	04:26	
62115-2	Y	958.63500	958.14898	959.12097	0.07169		10/19/10	04:26	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62115-3	Ag	0.66471	0.81925	0.51016	32.88034	ug/L	10/19/10	04:31	
62115-3	Al	4166.22656	4172.17333	4160.27978	0.20186	ug/L	10/19/10	04:31	
62115-3	2Al	4.16629	4.17224	4.16034	0.20185	mg/L	10/19/10	04:31	
62115-3	As	0.12318	0.97351	-0.72715	976.25555	ug/L	10/19/10	04:31	
62115-3	B	122.00606	121.32392	122.68820	0.79069	ug/L	10/19/10	04:31	
62115-3	Ba	295.73379	295.84829	295.61929	0.05475	ug/L	10/19/10	04:31	
62115-3	Be	0.04070	0.01663	0.06477	83.62365	ug/L	10/19/10	04:31	
62115-3	Ca	131082.53125	131058.04687	131107.03125	0.02642	ug/L	10/19/10	04:31	
62115-3	Cd	0.02787	0.22680	-0.17105	1009.30798	ug/L	10/19/10	04:31	
62115-3	Co	0.41074	0.47683	0.34465	22.75439	ug/L	10/19/10	04:31	
62115-3	Cr	667.86712	666.74139	668.99285	0.23837	ug/L	10/19/10	04:31	
62115-3	Cu	0.66985	0.05954	1.28017	128.85064	ug/L	10/19/10	04:31	
62115-3	Fe	28.99221	30.34919	27.63522	6.61923	ug/L	10/19/10	04:31	
62115-3	2Fe	0.02898	0.03034	0.02762	6.62057	mg/L	10/19/10	04:31	
62115-3	K	88022.00000	88076.75000	87967.24218	0.08797	ug/L	10/19/10	04:31	
62115-3	Mg	33.57028	32.05633	35.08422	6.37777	ug/L	10/19/10	04:31	
62115-3	2Mg	0.03355	0.03204	0.03506	6.37992	mg/L	10/19/10	04:31	
62115-3	Mn	0.34620	0.23588	0.45652	45.06512	ug/L	10/19/10	04:31	
62115-3	Mo	29.61448	29.29170	29.93726	1.54140	ug/L	10/19/10	04:31	
62115-3	Na	31047.68164	31020.59179	31074.77148	0.12339	ug/L	10/19/10	04:31	
62115-3	Ni	0.64825	0.30700	0.98949	74.44490	ug/L	10/19/10	04:31	
62115-3	Pb	-0.86072	0.60460	-2.32606	240.76103	ug/L	10/19/10	04:31	
62115-3	Se	4.77767	13.28923	-3.73387	251.94587	ug/L	10/19/10	04:31	
62115-3	Sb	-1.18626	-2.34408	-0.02844	138.03009	ug/L	10/19/10	04:31	
62115-3	Sn	3.00323	1.14226	4.86421	87.63262	ug/L	10/19/10	04:31	
62115-3	Sr	881.78118	881.96051	881.60186	0.02875	ug/L	10/19/10	04:31	
62115-3	Ti	-0.03108	-0.07283	0.01065	189.89738	ug/L	10/19/10	04:31	
62115-3	Tl	-3.18172	-1.55859	-4.80485	72.14492	ug/L	10/19/10	04:31	
62115-3	V	0.39658	0.57103	0.22214	62.20764	ug/L	10/19/10	04:31	
62115-3	Zn	3.16526	2.62479	3.70574	24.14780	ug/L	10/19/10	04:31	
62115-3	2203/1	3.08936	4.49202	1.68669	64.20973	ug/L	10/19/10	04:31	
62115-3	2203/2	-2.83281	-1.33618	-4.32944	74.71547	ug/L	10/19/10	04:31	
62115-3	1960/1	12.33795	20.08990	4.58600	88.85517	ug/L	10/19/10	04:31	
62115-3	1960/2	1.00320	9.89399	-7.88758	1253.33215	ug/L	10/19/10	04:31	
62115-3	Y	960.52044	959.04895	961.99194	0.21665		10/19/10	04:31	
62115-4	Ag	2.43286	2.02012	2.84560	23.99221	ug/L	10/19/10	04:36	
62115-4	Al	17956.07421	17941.06250	17971.08789	0.11823	ug/L	10/19/10	04:36	
62115-4	2Al	17.95631	17.94076	17.97185	0.12241	mg/L	10/19/10	04:36	
62115-4	As	1.05485	1.46524	0.64447	55.01905	ug/L	10/19/10	04:36	
62115-4	B	1098.65307	1098.67480	1098.63134	0.00279	ug/L	10/19/10	04:36	
62115-4	Ba	89.81525	90.03335	89.59715	0.34341	ug/L	10/19/10	04:36	
62115-4	Be	-0.02058	-0.02396	-0.01720	23.23198	ug/L	10/19/10	04:36	
62115-4	Ca	46071.01562	46081.21875	46060.80859	0.03132	ug/L	10/19/10	04:36	
62115-4	Cd	-0.35737	-0.32605	-0.38869	12.39350	ug/L	10/19/10	04:36	
62115-4	Co	0.16512	0.11691	0.21333	41.28868	ug/L	10/19/10	04:36	
62115-4	Cr	1148.59960	1148.73852	1148.46081	0.01709	ug/L	10/19/10	04:36	
62115-4	Cu	1.43727	0.72986	2.14468	69.60559	ug/L	10/19/10	04:36	
62115-4	Fe	22.83627	22.11869	23.55386	4.44388	ug/L	10/19/10	04:36	
62115-4	2Fe	0.02282	0.02210	0.02354	4.44576	mg/L	10/19/10	04:36	
62115-4	K	391703.12500	391034.31250	392371.93750	0.24146	ug/L	10/19/10	04:36	
62115-4	Mg	7.07726	3.83542	10.31909	64.77994	ug/L	10/19/10	04:36	
62115-4	2Mg	0.00707	0.00383	0.01031	64.81336	mg/L	10/19/10	04:36	
62115-4	Mn	0.23691	0.19796	0.27585	23.24770	ug/L	10/19/10	04:36	
62115-4	Mo	105.78262	106.50727	105.05798	0.96878	ug/L	10/19/10	04:36	
62115-4	Na	140427.23437	139904.90625	140949.56250	0.52602	ug/L	10/19/10	04:36	
62115-4	Ni	0.53843	0.56092	0.51593	5.90852	ug/L	10/19/10	04:36	
62115-4	Pb	-1.58135	1.86632	-5.02902	308.32818	ug/L	10/19/10	04:36	
62115-4	Se	24.40424	26.01719	22.79130	9.34692	ug/L	10/19/10	04:36	
62115-4	Sb	-3.89000	-5.85700	-1.92300	71.51031	ug/L	10/19/10	04:36	
62115-4	Sn	0.84316	3.40140	-1.71506	429.08166	ug/L	10/19/10	04:36	
62115-4	Sr	455.35705	455.63171	455.08239	0.08530	ug/L	10/19/10	04:36	
62115-4	Ti	0.10507	-0.15096	0.36111	344.59988	ug/L	10/19/10	04:36	
62115-4	Tl	1.07435	-5.02746	7.17618	803.20410	ug/L	10/19/10	04:36	
62115-4	V	-0.18063	-0.32098	-0.04028	109.88381	ug/L	10/19/10	04:36	
62115-4	Zn	4.97935	4.79722	5.16148	5.17287	ug/L	10/19/10	04:36	
62115-4	2203/1	6.27406	7.23122	5.31690	21.57497	ug/L	10/19/10	04:36	
62115-4	2203/2	-5.50316	-0.81209	-10.19423	120.55187	ug/L	10/19/10	04:36	
62115-4	1960/1	34.08235	34.02301	34.14169	0.24623	ug/L	10/19/10	04:36	
62115-4	1960/2	19.57245	22.02028	17.12462	17.68688	ug/L	10/19/10	04:36	
62115-4	Y	941.81396	944.13598	939.49194	0.34867		10/19/10	04:36	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62112-1	Ag	-1.02162	-0.28540	-1.75785	101.91375	ug/L	10/19/10	04:41	
62112-1	Al	-5.88970	-5.81672	-5.96267	1.75222	ug/L	10/19/10	04:41	
62112-1	2Al	-0.00589	-0.00581	-0.00596	1.75251	mg/L	10/19/10	04:41	
62112-1	As	1.89134	2.77940	1.00328	66.40261	ug/L	10/19/10	04:41	
62112-1	B	14.56131	14.68789	14.43474	1.22928	ug/L	10/19/10	04:41	
62112-1	Ba	35.71487	35.48574	35.94400	0.90729	ug/L	10/19/10	04:41	
62112-1	Be	-0.00404	-0.01358	0.00550	334.05780	ug/L	10/19/10	04:41	
62112-1	Ca	102878.85156	102852.46093	102905.24218	0.03627	ug/L	10/19/10	04:41	
62112-1	Cd	0.30768	0.20447	0.41089	47.43952	ug/L	10/19/10	04:41	
62112-1	Co	1.51065	1.71226	1.30904	18.87396	ug/L	10/19/10	04:41	
62112-1	Cr	0.40461	0.18952	0.61970	75.17947	ug/L	10/19/10	04:41	
62112-1	Cu	56.38134	56.68107	56.08162	0.75180	ug/L	10/19/10	04:41	
62112-1	Fe	7.89550	5.88383	9.90717	36.03232	ug/L	10/19/10	04:41	
62112-1	2Fe	0.00789	0.00588	0.00990	36.03063	mg/L	10/19/10	04:41	
62112-1	K	328.64404	328.82510	328.46295	0.07792	ug/L	10/19/10	04:41	
62112-1	Mg	1133.30981	1137.01708	1129.60241	0.46262	ug/L	10/19/10	04:41	
62112-1	2Mg	1.13304	1.13674	1.12933	0.46264	mg/L	10/19/10	04:41	
62112-1	Mn	115.10286	114.99562	115.21010	0.13175	ug/L	10/19/10	04:41	
62112-1	Mo	1.51003	2.10985	0.91020	56.17611	ug/L	10/19/10	04:41	
62112-1	Na	179954.71875	179973.53125	179935.92187	0.01477	ug/L	10/19/10	04:41	
62112-1	Ni	2.23848	1.71128	2.76568	33.30692	ug/L	10/19/10	04:41	
62112-1	Pb	1.54358	0.83596	2.25120	64.83121	ug/L	10/19/10	04:41	
62112-1	Se	-1.60382	-3.31559	0.10795	150.94062	ug/L	10/19/10	04:41	
62112-1	Sb	-5.08808	-5.86237	-4.31379	21.52111	ug/L	10/19/10	04:41	
62112-1	Sn	-0.00627	1.20769	-1.22025	27357.60351	ug/L	10/19/10	04:41	
62112-1	Sr	203.31903	203.24772	203.39033	0.04959	ug/L	10/19/10	04:41	
62112-1	Ti	-0.08610	-0.19307	0.02086	175.68977	ug/L	10/19/10	04:41	
62112-1	Tl	-8.71230	-10.86553	-6.55907	34.95197	ug/L	10/19/10	04:41	
62112-1	V	-0.68560	-1.43485	0.06364	154.54925	ug/L	10/19/10	04:41	
62112-1	Zn	4394.49707	4394.46630	4394.52783	0.00098	ug/L	10/19/10	04:41	
62112-1	2203/1	1.22294	-1.42061	3.86650	305.70114	ug/L	10/19/10	04:41	
62112-1	2203/2	1.70366	1.96256	1.44477	21.49112	ug/L	10/19/10	04:41	
62112-1	1960/1	-0.84472	1.08340	-2.77285	322.80075	ug/L	10/19/10	04:41	
62112-1	1960/2	-1.98279	-5.51179	1.54620	251.70274	ug/L	10/19/10	04:41	
62112-1	Y	958.77893	958.31097	959.24694	0.06902		10/19/10	04:41	
62145-1	Ag	0.38767	1.30475	-0.52941	334.55062	ug/L	10/19/10	04:47	
62145-1	Al	59.21189	60.86376	57.56002	3.94531	ug/L	10/19/10	04:47	
62145-1	2Al	0.05921	0.06086	0.05756	3.94531	mg/L	10/19/10	04:47	
62145-1	As	3.34347	4.56623	2.12071	51.71985	ug/L	10/19/10	04:47	
62145-1	B	15.22005	16.22147	14.21863	9.30499	ug/L	10/19/10	04:47	
62145-1	Ba	80.32353	80.49623	80.15084	0.30404	ug/L	10/19/10	04:47	
62145-1	Be	0.03074	0.04431	0.01717	62.43636	ug/L	10/19/10	04:47	
62145-1	Ca	13092.77148	13082.12792	13103.41406	0.11496	ug/L	10/19/10	04:47	
62145-1	Cd	19.54756	19.41855	19.67658	0.93339	ug/L	10/19/10	04:47	
62145-1	Co	1.98384	2.55930	1.40838	41.02237	ug/L	10/19/10	04:47	
62145-1	Cr	5.38049	5.81249	4.94848	11.35484	ug/L	10/19/10	04:47	
62145-1	Cu	26.98641	27.71758	26.25525	3.83163	ug/L	10/19/10	04:47	
62145-1	Fe	1401.12231	1393.91625	1408.32849	0.72734	ug/L	10/19/10	04:47	
62145-1	2Fe	1.40094	1.39374	1.40815	0.72732	mg/L	10/19/10	04:47	
62145-1	K	397.79318	404.28872	391.29763	2.30926	ug/L	10/19/10	04:47	
62145-1	Mg	298.32934	296.91812	299.74057	0.66898	ug/L	10/19/10	04:47	
62145-1	2Mg	0.29805	0.29664	0.29946	0.66880	mg/L	10/19/10	04:47	
62145-1	Mn	122.41670	122.37796	122.45544	0.04475	ug/L	10/19/10	04:47	
62145-1	Mo	1.13544	-0.74532	3.01621	234.25344	ug/L	10/19/10	04:47	
62145-1	Na	131682.53125	131941.34375	131423.73437	0.27794	ug/L	10/19/10	04:47	
62145-1	Ni	6.89403	6.67905	7.10900	4.40993	ug/L	10/19/10	04:47	
62145-1	Pb	725.19799	727.64965	722.74639	0.47809	ug/L	10/19/10	04:47	
62145-1	Se	1.79427	5.24074	-1.65219	271.64398	ug/L	10/19/10	04:47	
62145-1	Sb	-3.54931	-2.33632	-4.76230	48.33132	ug/L	10/19/10	04:47	
62145-1	Sn	-0.61271	2.40119	-3.62662	695.64398	ug/L	10/19/10	04:47	
62145-1	Sr	180.18670	179.74404	180.62937	0.34743	ug/L	10/19/10	04:47	
62145-1	Ti	-0.28417	-0.19191	-0.37642	45.91293	ug/L	10/19/10	04:47	
62145-1	Tl	-1.60467	-2.98213	-0.22721	121.39664	ug/L	10/19/10	04:47	
62145-1	V	-0.23288	0.11060	-0.57637	208.58653	ug/L	10/19/10	04:47	
62145-1	Zn	211.27880	211.62814	210.92947	0.23383	ug/L	10/19/10	04:47	
62145-1	2203/1	729.44091	734.80633	724.07556	1.04022	ug/L	10/19/10	04:47	
62145-1	2203/2	723.07977	724.07672	722.08282	0.19498	ug/L	10/19/10	04:47	
62145-1	1960/1	1.50251	9.57125	-6.56622	759.45312	ug/L	10/19/10	04:47	
62145-1	1960/2	1.93993	3.07873	0.80113	83.01824	ug/L	10/19/10	04:47	
62145-1	Y	962.96844	962.45996	963.47692	0.07467		10/19/10	04:47	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	503.81439	505.01559	502.61322	0.33717	ug/L	10/19/10	04:52	
CCV	Al	5042.13964	5041.24023	5043.03906	0.02522	ug/L	10/19/10	04:52	
CCV	2Al	5.04191	5.04091	5.04291	0.02808	mg/L	10/19/10	04:52	
CCV	As	509.09280	507.51873	510.66687	0.43726	ug/L	10/19/10	04:52	
CCV	B	5051.33056	5051.41406	5051.24707	0.00233	ug/L	10/19/10	04:52	
CCV	Ba	5016.43798	5022.21777	5010.65820	0.16294	ug/L	10/19/10	04:52	
CCV	Be	508.06958	508.95401	507.18518	0.24617	ug/L	10/19/10	04:52	
CCV	Ca	5061.26708	5057.92187	5064.61230	0.09347	ug/L	10/19/10	04:52	
CCV	Cd	502.37121	503.49441	501.24801	0.31618	ug/L	10/19/10	04:52	
CCV	Co	511.11273	511.78268	510.44274	0.18537	ug/L	10/19/10	04:52	
CCV	Cr	5064.95507	5067.16796	5062.74267	0.06178	ug/L	10/19/10	04:52	
CCV	Cu	5030.01269	5036.83593	5023.18945	0.19183	ug/L	10/19/10	04:52	
CCV	Fe	5076.70996	5080.87939	5072.54101	0.11614	ug/L	10/19/10	04:52	
CCV	2Fe	5.07671	5.08088	5.07254	0.11614	mg/L	10/19/10	04:52	
CCV	K	9943.84179	9937.38281	9950.30175	0.09186	ug/L	10/19/10	04:52	
CCV	Mg	5189.43066	5187.90185	5190.95898	0.04165	ug/L	10/19/10	04:52	
CCV	2Mg	5.18940	5.18787	5.19093	0.04162	mg/L	10/19/10	04:52	
CCV	Mn	5089.53320	5092.76904	5086.29687	0.08992	ug/L	10/19/10	04:52	
CCV	Mo	495.32745	496.75500	493.89987	0.40758	ug/L	10/19/10	04:52	
CCV	Na	7583.44140	7532.80419	7634.07861	0.94431	ug/L	10/19/10	04:52	
CCV	Ni	2539.27197	2544.52514	2534.01879	0.29256	ug/L	10/19/10	04:52	
CCV	Pb	509.20483	512.51330	505.89639	0.91885	ug/L	10/19/10	04:52	
CCV	Se	4977.66894	4991.72607	4963.61132	0.39938	ug/L	10/19/10	04:52	
CCV	Sb	496.02401	488.97601	503.07202	2.00945	ug/L	10/19/10	04:52	
CCV	Sn	5081.98437	5081.77197	5082.19726	0.00591	ug/L	10/19/10	04:52	
CCV	Sr	2522.61059	2529.57055	2515.65063	0.39018	ug/L	10/19/10	04:52	
CCV	Ti	500.88150	501.27685	500.48614	0.11162	ug/L	10/19/10	04:52	
CCV	Tl	5025.66845	5033.80029	5017.53662	0.22882	ug/L	10/19/10	04:52	
CCV	V	5083.91406	5088.04638	5079.78173	0.11495	ug/L	10/19/10	04:52	
CCV	Zn	2560.73291	2563.47363	2557.99218	0.15136	ug/L	10/19/10	04:52	
CCV	2203/1	514.30010	517.54980	511.05038	0.89359	ug/L	10/19/10	04:52	
CCV	2203/2	506.66104	509.99884	503.32324	0.93166	ug/L	10/19/10	04:52	
CCV	1960/1	5074.22265	5089.38525	5059.06054	0.42258	ug/L	10/19/10	04:52	
CCV	1960/2	4929.46386	4942.96972	4915.95800	0.38746	ug/L	10/19/10	04:52	
CCV	Y	976.79699	978.26397	975.32995	0.21239		10/19/10	04:52	
CCB	Ag	-0.34458	-0.70828	0.01910	149.26153	ug/L	10/19/10	04:57	
CCB	Al	-13.34497	-12.73578	-13.95417	6.45585	ug/L	10/19/10	04:57	
CCB	2Al	-0.01334	-0.01273	-0.01395	6.45584	mg/L	10/19/10	04:57	
CCB	As	-0.71562	-0.89812	-0.53311	36.06637	ug/L	10/19/10	04:57	
CCB	B	10.26962	12.26658	8.27266	27.49984	ug/L	10/19/10	04:57	
CCB	Ba	1.35001	0.49532	2.20470	89.53379	ug/L	10/19/10	04:57	
CCB	Be	0.11755	0.02138	0.21373	115.69974	ug/L	10/19/10	04:57	
CCB	Ca	5.59783	3.30483	7.89083	57.92941	ug/L	10/19/10	04:57	
CCB	Cd	0.31367	-0.00120	0.62855	141.96400	ug/L	10/19/10	04:57	
CCB	Co	-0.67626	-0.80487	-0.54766	26.89374	ug/L	10/19/10	04:57	
CCB	Cr	0.84617	-0.33863	2.03098	198.01670	ug/L	10/19/10	04:57	
CCB	Cu	0.05414	-1.15526	1.26355	3158.82128	ug/L	10/19/10	04:57	
CCB	Fe	-0.44764	8.72566	-9.62095	2898.05615	ug/L	10/19/10	04:57	
CCB	2Fe	-0.00044	0.00872	-0.00961	2897.57006	mg/L	10/19/10	04:57	
CCB	K	8.02771	7.00382	9.05160	18.03749	ug/L	10/19/10	04:57	
CCB	Mg	-8.88333	-8.88347	-8.88318	0.00230	ug/L	10/19/10	04:57	
CCB	2Mg	-0.00888	-0.00888	-0.00887	0.03556	mg/L	10/19/10	04:57	
CCB	Mn	1.01830	-0.01908	2.05570	144.07234	ug/L	10/19/10	04:57	
CCB	Mo	-0.14743	0.26285	-0.55772	393.55453	ug/L	10/19/10	04:57	
CCB	Na	105.55874	36.92990	174.18759	91.94485	ug/L	10/19/10	04:57	
CCB	Ni	-0.90858	-2.39100	0.57382	230.73768	ug/L	10/19/10	04:57	
CCB	Pb	-2.21986	-0.24046	-4.19926	126.10224	ug/L	10/19/10	04:57	
CCB	Se	6.10152	6.83643	5.36660	17.03384	ug/L	10/19/10	04:57	
CCB	Sb	-3.21111	-1.58191	-4.84030	71.75178	ug/L	10/19/10	04:57	
CCB	Sn	2.25802	3.03381	1.48223	48.58834	ug/L	10/19/10	04:57	
CCB	Sr	0.55654	-0.01068	1.12378	144.13661	ug/L	10/19/10	04:57	
CCB	Ti	-0.26696	-0.42384	-0.11009	83.10047	ug/L	10/19/10	04:57	
CCB	Tl	1.37049	0.65718	2.08380	73.60687	ug/L	10/19/10	04:57	
CCB	V	1.47378	1.31136	1.63620	15.58546	ug/L	10/19/10	04:57	
CCB	Zn	1.04466	0.43547	1.65385	82.46862	ug/L	10/19/10	04:57	
CCB	2203/1	2.89350	7.55298	-1.76597	227.73399	ug/L	10/19/10	04:57	
CCB	2203/2	-4.77271	-4.13134	-5.41409	19.00469	ug/L	10/19/10	04:57	
CCB	1960/1	9.33189	11.75746	6.90631	36.75870	ug/L	10/19/10	04:57	
CCB	1960/2	4.48875	4.37960	4.59791	3.43889	ug/L	10/19/10	04:57	
CCB	Y	970.31695	972.20697	968.42694	0.27546		10/19/10	04:57	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 183043	Ag	1.14294	0.32331	1.96257	101.41585	ug/L	10/19/10	05:02	
PBW 183043	Al	-3.89126	-2.25707	-5.52545	59.39172	ug/L	10/19/10	05:02	
PBW 183043	2Al	-0.00389	-0.00225	-0.00552	59.39203	mg/L	10/19/10	05:02	
PBW 183043	As	0.36584	-2.49280	3.22448	1105.05505	ug/L	10/19/10	05:02	
PBW 183043	B	1.32163	0.91920	1.72405	43.06156	ug/L	10/19/10	05:02	
PBW 183043	Ba	0.42029	0.38994	0.45065	10.21377	ug/L	10/19/10	05:02	
PBW 183043	Be	-0.00365	-0.01773	0.01041	543.92156	ug/L	10/19/10	05:02	
PBW 183043	Ca	112.80584	112.90600	112.70568	0.12556	ug/L	10/19/10	05:02	
PBW 183043	Cd	-0.08555	-0.10741	-0.06370	36.12738	ug/L	10/19/10	05:02	
PBW 183043	Co	0.52330	0.57678	0.46982	14.45330	ug/L	10/19/10	05:02	
PBW 183043	Cr	-0.12492	0.13579	-0.38564	295.14065	ug/L	10/19/10	05:02	
PBW 183043	Cu	0.73205	0.73746	0.72664	1.04570	ug/L	10/19/10	05:02	
PBW 183043	Fe	66.91911	63.66844	70.16977	6.86969	ug/L	10/19/10	05:02	
PBW 183043	2Fe	0.06691	0.06366	0.07016	6.86973	mg/L	10/19/10	05:02	
PBW 183043	K	31.17821	23.93487	38.42155	32.85509	ug/L	10/19/10	05:02	
PBW 183043	Mg	-2.63561	-5.75630	0.48508	167.44973	ug/L	10/19/10	05:02	
PBW 183043	2Mg	-0.00264	-0.00576	0.00047	166.70791	mg/L	10/19/10	05:02	
PBW 183043	Mn	1.10679	1.05608	1.15750	6.47904	ug/L	10/19/10	05:02	
PBW 183043	Mo	0.35582	1.99863	-1.28697	652.91967	ug/L	10/19/10	05:02	
PBW 183043	Na	75.96585	70.29084	81.64086	10.56485	ug/L	10/19/10	05:02	
PBW 183043	Ni	0.30291	0.85709	-0.25125	258.72448	ug/L	10/19/10	05:02	
PBW 183043	Pb	-0.56378	0.42722	-1.55480	248.58694	ug/L	10/19/10	05:02	
PBW 183043	Se	-2.63622	-1.02589	-4.24655	86.38667	ug/L	10/19/10	05:02	
PBW 183043	Sb	-3.65317	-3.80843	-3.49791	6.01045	ug/L	10/19/10	05:02	
PBW 183043	Sn	15.95805	16.10027	15.81583	1.26035	ug/L	10/19/10	05:02	
PBW 183043	Sr	0.06217	0.11054	0.01380	110.02710	ug/L	10/19/10	05:02	
PBW 183043	Ti	-0.03039	-0.10937	0.04858	367.48019	ug/L	10/19/10	05:02	
PBW 183043	Tl	-5.97334	-12.53350	0.58682	155.31474	ug/L	10/19/10	05:02	
PBW 183043	V	0.23648	-0.22451	0.69749	275.68035	ug/L	10/19/10	05:02	
PBW 183043	Zn	28.74415	28.72863	28.75967	0.07635	ug/L	10/19/10	05:02	
PBW 183043	2203/1	2.61549	3.27225	1.95874	35.51091	ug/L	10/19/10	05:02	
PBW 183043	2203/2	-2.15104	-0.99315	-3.30894	76.12602	ug/L	10/19/10	05:02	
PBW 183043	1960/1	1.39699	3.70567	-0.91168	233.71405	ug/L	10/19/10	05:02	
PBW 183043	1960/2	-4.64981	-3.38813	-5.91148	38.37308	ug/L	10/19/10	05:02	
PBW 183043	Y	968.39550	967.80596	968.98498	0.08608		10/19/10	05:02	
PBW 50	Ag	0.73430	0.76409	0.70451	5.73651	ug/L	10/19/10	05:07	
PBW 50	Al	-2.71397	3.45704	-8.88499	321.56314	ug/L	10/19/10	05:07	
PBW 50	2Al	-0.00271	0.00345	-0.00888	321.56454	mg/L	10/19/10	05:07	
PBW 50	As	2.54244	3.93300	1.15189	77.34832	ug/L	10/19/10	05:07	
PBW 50	B	1.58525	1.72548	1.44501	12.51061	ug/L	10/19/10	05:07	
PBW 50	Ba	0.15295	0.20728	0.09861	50.23727	ug/L	10/19/10	05:07	
PBW 50	Be	-0.02680	-0.00727	-0.04633	103.03801	ug/L	10/19/10	05:07	
PBW 50	Ca	43.56039	43.13057	43.99021	1.39543	ug/L	10/19/10	05:07	
PBW 50	Cd	-0.84958	-0.84136	-0.85779	1.36759	ug/L	10/19/10	05:07	
PBW 50	Co	0.25850	0.74571	-0.22871	266.54458	ug/L	10/19/10	05:07	
PBW 50	Cr	1.73609	2.21547	1.25671	39.05004	ug/L	10/19/10	05:07	
PBW 50	Cu	5.59691	6.54786	4.64596	24.02844	ug/L	10/19/10	05:07	
PBW 50	Fe	97.29160	103.14353	91.43966	8.50627	ug/L	10/19/10	05:07	
PBW 50	2Fe	0.09727	0.10313	0.09142	8.50646	mg/L	10/19/10	05:07	
PBW 50	K	24.49887	27.92513	21.07260	19.77832	ug/L	10/19/10	05:07	
PBW 50	Mg	0.59636	6.94228	-5.74955	1504.85778	ug/L	10/19/10	05:07	
PBW 50	2Mg	0.00057	0.00692	-0.00576	1547.32397	mg/L	10/19/10	05:07	
PBW 50	Mn	1.42889	1.55408	1.30370	12.39058	ug/L	10/19/10	05:07	
PBW 50	Mo	-1.54476	-0.56804	-2.52148	89.41720	ug/L	10/19/10	05:07	
PBW 50	Na	212.23718	223.53018	200.94419	7.52493	ug/L	10/19/10	05:07	
PBW 50	Ni	-0.96491	-0.76172	-1.16811	29.78144	ug/L	10/19/10	05:07	
PBW 50	Pb	-2.00328	-0.75132	-3.25523	88.38153	ug/L	10/19/10	05:07	
PBW 50	Se	-3.28877	1.19184	-7.76938	192.67242	ug/L	10/19/10	05:07	
PBW 50	Sb	-10.35008	-7.50019	-13.19997	38.94026	ug/L	10/19/10	05:07	
PBW 50	Sn	21.19958	23.22237	19.17680	13.49391	ug/L	10/19/10	05:07	
PBW 50	Sr	0.05713	0.08147	0.03280	60.23336	ug/L	10/19/10	05:07	
PBW 50	Ti	-0.08624	-0.08605	-0.08643	0.30427	ug/L	10/19/10	05:07	
PBW 50	Tl	-9.98783	-12.56938	-7.40629	36.55298	ug/L	10/19/10	05:07	
PBW 50	V	-0.68571	-0.83835	-0.53308	31.47989	ug/L	10/19/10	05:07	
PBW 50	Zn	11.75584	11.87914	11.63255	1.48322	ug/L	10/19/10	05:07	
PBW 50	2203/1	-1.99696	-0.21177	-3.78215	126.42399	ug/L	10/19/10	05:07	
PBW 50	2203/2	-2.00643	-1.02069	-2.99217	69.47850	ug/L	10/19/10	05:07	
PBW 50	1960/1	-0.67204	0.29980	-1.64389	204.50985	ug/L	10/19/10	05:07	
PBW 50	1960/2	-4.59516	1.63720	-10.82754	191.80810	ug/L	10/19/10	05:07	
PBW 50	Y	951.90747	953.02795	950.78698	0.16646		10/19/10	05:07	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	46.89913	47.30649	46.49176	1.22838	ug/L	10/19/10	05:13	
LCSW-1	Al	2107.08349	2110.48706	2103.67968	0.22844	ug/L	10/19/10	05:13	
LCSW-1	2Al	2.10711	2.11041	2.10381	0.22151	mg/L	10/19/10	05:13	
LCSW-1	As	2103.03613	2100.14526	2105.92675	0.19439	ug/L	10/19/10	05:13	
LCSW-1	B	1015.42736	1012.00103	1018.85375	0.47719	ug/L	10/19/10	05:13	
LCSW-1	Ba	2142.80419	2142.49096	2143.11767	0.02068	ug/L	10/19/10	05:13	
LCSW-1	Be	52.82463	52.93298	52.71627	0.29008	ug/L	10/19/10	05:13	
LCSW-1	Ca	5262.77880	5267.68408	5257.87353	0.13181	ug/L	10/19/10	05:13	
LCSW-1	Cd	52.77037	52.48234	53.05839	0.77189	ug/L	10/19/10	05:13	
LCSW-1	Co	537.76562	539.34942	536.18182	0.41650	ug/L	10/19/10	05:13	
LCSW-1	Cr	214.88281	214.96331	214.80230	0.05298	ug/L	10/19/10	05:13	
LCSW-1	Cu	266.30239	266.99743	265.60736	0.36910	ug/L	10/19/10	05:13	
LCSW-1	Fe	1105.99536	1121.31188	1090.67895	1.95848	ug/L	10/19/10	05:13	
LCSW-1	2Fe	1.10608	1.12139	1.09076	1.95815	mg/L	10/19/10	05:13	
LCSW-1	K	4991.32031	4992.13037	4990.50976	0.02295	ug/L	10/19/10	05:13	
LCSW-1	Mg	5245.81445	5249.10644	5242.52246	0.08874	ug/L	10/19/10	05:13	
LCSW-1	2Mg	5.24438	5.24767	5.24109	0.08867	mg/L	10/19/10	05:13	
LCSW-1	Mn	538.96594	539.57360	538.35833	0.15943	ug/L	10/19/10	05:13	
LCSW-1	Mo	511.32492	512.61627	510.03356	0.35715	ug/L	10/19/10	05:13	
LCSW-1	Na	5312.64746	5129.10839	5496.18701	4.88577	ug/L	10/19/10	05:13	
LCSW-1	Ni	528.98388	529.55731	528.41046	0.15330	ug/L	10/19/10	05:13	
LCSW-1	Pb	536.54803	536.21228	536.88378	0.08849	ug/L	10/19/10	05:13	
LCSW-1	Se	2092.54296	2091.76269	2093.32299	0.05272	ug/L	10/19/10	05:13	
LCSW-1	Sb	505.69995	505.19775	506.20211	0.14043	ug/L	10/19/10	05:13	
LCSW-1	Sn	1048.45654	1046.80468	1050.10852	0.22281	ug/L	10/19/10	05:13	
LCSW-1	Sr	524.56414	525.42956	523.69873	0.23331	ug/L	10/19/10	05:13	
LCSW-1	Ti	1029.10815	1028.77148	1029.44482	0.04626	ug/L	10/19/10	05:13	
LCSW-1	Tl	2147.61181	2151.92846	2143.29516	0.28425	ug/L	10/19/10	05:13	
LCSW-1	V	532.55688	532.98718	532.12658	0.11426	ug/L	10/19/10	05:13	
LCSW-1	Zn	544.72863	545.06359	544.39361	0.08696	ug/L	10/19/10	05:13	
LCSW-1	2203/1	540.82049	544.11590	537.52508	0.86173	ug/L	10/19/10	05:13	
LCSW-1	2203/2	534.41503	532.26635	536.56365	0.56859	ug/L	10/19/10	05:13	
LCSW-1	1960/1	2136.21337	2133.69970	2138.72705	0.16640	ug/L	10/19/10	05:13	
LCSW-1	1960/2	2070.73974	2070.82495	2070.65429	0.00582	ug/L	10/19/10	05:13	
LCSW-1	Y	970.43847	969.54296	971.33398	0.13050		10/19/10	05:13	
62145-1	Ag	56.44232	55.82662	57.05802	1.54269	ug/L	10/19/10	05:18	
62145-1	Al	65272.98437	65146.87109	65399.10156	0.27324	ug/L	10/19/10	05:18	
62145-1	2Al	65.27213	65.14449	65.39977	0.27654	mg/L	10/19/10	05:18	
62145-1	As	26.24797	26.20522	26.29072	0.23035	ug/L	10/19/10	05:18	
62145-1	B	63.89560	64.83654	62.95467	2.08258	ug/L	10/19/10	05:18	
62145-1	Ba	1404.93652	1403.28564	1406.58728	0.16617	ug/L	10/19/10	05:18	
62145-1	Be	3.44317	3.41361	3.47274	1.21437	ug/L	10/19/10	05:18	
62145-1	Ca	101554.53125	101508.09375	101600.96093	0.06466	ug/L	10/19/10	05:18	
62145-1	Cd	158.81240	159.48178	158.14305	0.59606	ug/L	10/19/10	05:18	
62145-1	Co	54.15526	54.26216	54.04836	0.27916	ug/L	10/19/10	05:18	
62145-1	Cr	3307.63940	3306.38891	3308.88989	0.05346	ug/L	10/19/10	05:18	
62145-1	Cu	2238.65844	2236.44409	2240.87280	0.13988	ug/L	10/19/10	05:18	
62145-1	Fe	428604.56250	428266.15625	428943.00000	0.11166	ug/L	10/19/10	05:18	
62145-1	2Fe	428.51611	428.16809	428.86413	0.11485	mg/L	10/19/10	05:18	
62145-1	K	4014.08081	3995.39379	4032.76782	0.65836	ug/L	10/19/10	05:18	
62145-1	Mg	30600.91015	30571.84179	30629.97851	0.13433	ug/L	10/19/10	05:18	
62145-1	2Mg	30.51716	30.48663	30.54769	0.14148	mg/L	10/19/10	05:18	
62145-1	Mn	3889.31469	3886.47998	3892.14941	0.10307	ug/L	10/19/10	05:18	
62145-1	Mo	111.45043	114.36101	108.53985	3.69328	ug/L	10/19/10	05:18	
62145-1	Na	1514.69116	1479.54089	1549.84130	3.28185	ug/L	10/19/10	05:18	
62145-1	Ni	154.56723	153.95565	155.17880	0.55955	ug/L	10/19/10	05:18	
62145-1	Pb	9015.28906	9008.77343	9021.80371	0.10220	ug/L	10/19/10	05:18	
62145-1	Se	6.04931	9.64679	2.45184	84.10206	ug/L	10/19/10	05:18	
62145-1	Sb	44.90312	44.85620	44.95005	0.14778	ug/L	10/19/10	05:18	
62145-1	Sn	132.06027	130.73822	133.38232	1.41576	ug/L	10/19/10	05:18	
62145-1	Sr	1508.64135	1505.99951	1511.28320	0.24764	ug/L	10/19/10	05:18	
62145-1	Ti	5349.87597	5345.05908	5354.69238	0.12732	ug/L	10/19/10	05:18	
62145-1	Tl	-5.08259	0.97750	-11.14269	168.61997	ug/L	10/19/10	05:18	
62145-1	V	196.45968	195.45205	197.46733	0.72534	ug/L	10/19/10	05:18	
62145-1	Zn	3017.47070	3015.73583	3019.20556	0.08130	ug/L	10/19/10	05:18	
62145-1	2203/1	9046.95507	9036.32714	9057.58300	0.16613	ug/L	10/19/10	05:18	
62145-1	2203/2	8999.47851	8995.01660	9003.94042	0.07011	ug/L	10/19/10	05:18	
62145-1	1960/1	9.71263	16.00423	3.42104	91.60911	ug/L	10/19/10	05:18	
62145-1	1960/2	4.22040	6.47284	1.96796	75.47682	ug/L	10/19/10	05:18	
62145-1	Y	985.13098	985.96795	984.29394	0.12015		10/19/10	05:18	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62145-1L	Ag	11.50868	11.53711	11.48026	0.34933	ug/L	10/19/10	05:23	
62145-1L	Al	13382.45703	13425.07519	13339.83984	0.45036	ug/L	10/19/10	05:23	
62145-1L	2Al	13.38200	13.42472	13.33928	0.45146	mg/L	10/19/10	05:23	
62145-1L	As	4.73710	4.38806	5.08615	10.42039	ug/L	10/19/10	05:23	
62145-1L	B	13.86038	14.74567	12.97509	9.03283	ug/L	10/19/10	05:23	
62145-1L	Ba	283.99645	284.64624	283.34671	0.32356	ug/L	10/19/10	05:23	
62145-1L	Be	0.69026	0.69530	0.68522	1.03266	ug/L	10/19/10	05:23	
62145-1L	Ca	20305.31445	20354.64257	20255.98632	0.34355	ug/L	10/19/10	05:23	
62145-1L	Cd	32.02404	31.91827	32.12982	0.46712	ug/L	10/19/10	05:23	
62145-1L	Co	11.45031	11.37951	11.52111	0.87439	ug/L	10/19/10	05:23	
62145-1L	Cr	670.87048	672.89782	668.84307	0.42737	ug/L	10/19/10	05:23	
62145-1L	Cu	444.91479	446.60797	443.22158	0.53820	ug/L	10/19/10	05:23	
62145-1L	Fe	86664.53125	86894.06250	86435.00000	0.37455	ug/L	10/19/10	05:23	
62145-1L	2Fe	86.64572	86.87520	86.41623	0.37455	mg/L	10/19/10	05:23	
62145-1L	K	780.60571	786.68750	774.52386	1.10183	ug/L	10/19/10	05:23	
62145-1L	Mg	6200.20117	6215.24267	6185.15917	0.34308	ug/L	10/19/10	05:23	
62145-1L	2Mg	6.18357	6.19857	6.16857	0.34301	mg/L	10/19/10	05:23	
62145-1L	Mn	789.55725	791.62463	787.48992	0.37029	ug/L	10/19/10	05:23	
62145-1L	Mo	21.60314	21.56448	21.64180	0.25310	ug/L	10/19/10	05:23	
62145-1L	Na	388.83990	463.65115	314.02868	27.20889	ug/L	10/19/10	05:23	
62145-1L	Ni	31.01900	31.04775	30.99026	0.13104	ug/L	10/19/10	05:23	
62145-1L	Pb	1833.24426	1845.86132	1820.62719	0.97331	ug/L	10/19/10	05:23	
62145-1L	Se	1.75225	-3.33296	6.83748	410.41885	ug/L	10/19/10	05:23	
62145-1L	Sb	6.72065	5.76174	7.67956	20.17804	ug/L	10/19/10	05:23	
62145-1L	Sn	28.62574	27.62470	29.62679	4.94550	ug/L	10/19/10	05:23	
62145-1L	Sr	306.31176	307.55450	305.06906	0.57375	ug/L	10/19/10	05:23	
62145-1L	Ti	1081.32678	1083.92053	1078.73303	0.33922	ug/L	10/19/10	05:23	
62145-1L	Tl	-8.59429	-5.97237	-11.21622	43.14445	ug/L	10/19/10	05:23	
62145-1L	V	39.86972	39.66202	40.07742	0.73671	ug/L	10/19/10	05:23	
62145-1L	Zn	612.41528	613.29803	611.53259	0.20384	ug/L	10/19/10	05:23	
62145-1L	2203/1	1834.07104	1845.85241	1822.28979	0.90843	ug/L	10/19/10	05:23	
62145-1L	2203/2	1832.83142	1845.86572	1819.79711	1.00572	ug/L	10/19/10	05:23	
62145-1L	1960/1	6.11437	2.58037	9.64836	81.73894	ug/L	10/19/10	05:23	
62145-1L	1960/2	-0.42553	-6.28520	5.43414	1947.41223	ug/L	10/19/10	05:23	
62145-1L	Y	973.16101	970.80297	975.51898	0.34266		10/19/10	05:23	
62145-1A	Ag	99.68211	100.14076	99.22344	0.65071	ug/L	10/19/10	05:28	
62145-1A	Al	65856.40625	65816.71875	65896.09375	0.08522	ug/L	10/19/10	05:28	
62145-1A	2Al	65.85506	65.81659	65.89353	0.08260	mg/L	10/19/10	05:28	
62145-1A	As	2025.76489	2021.21069	2030.31909	0.31793	ug/L	10/19/10	05:28	
62145-1A	B	942.93164	940.63885	945.22448	0.34387	ug/L	10/19/10	05:28	
62145-1A	Ba	3378.68261	3375.30615	3382.05908	0.14132	ug/L	10/19/10	05:28	
62145-1A	Be	53.48897	53.40928	53.56866	0.21068	ug/L	10/19/10	05:28	
62145-1A	Ca	104116.48437	103982.08593	104250.88281	0.18255	ug/L	10/19/10	05:28	
62145-1A	Cd	204.80868	204.29566	205.32170	0.35423	ug/L	10/19/10	05:28	
62145-1A	Co	556.48303	555.48535	557.48071	0.25354	ug/L	10/19/10	05:28	
62145-1A	Cr	3441.04394	3432.32275	3449.76538	0.35843	ug/L	10/19/10	05:28	
62145-1A	Cu	2444.68237	2442.81005	2446.55468	0.10831	ug/L	10/19/10	05:28	
62145-1A	Fe	420354.81250	419726.78125	420982.81250	0.21128	ug/L	10/19/10	05:28	
62145-1A	2Fe	420.26623	419.64666	420.88580	0.20848	mg/L	10/19/10	05:28	
62145-1A	K	8598.08789	8592.43945	8603.73535	0.09289	ug/L	10/19/10	05:28	
62145-1A	Mg	34540.13281	34498.82421	34581.44531	0.16914	ug/L	10/19/10	05:28	
62145-1A	2Mg	34.45692	34.41726	34.49657	0.16276	mg/L	10/19/10	05:28	
62145-1A	Mn	4318.33203	4311.33886	4325.32568	0.22902	ug/L	10/19/10	05:28	
62145-1A	Mo	540.06213	538.53021	541.59405	0.40115	ug/L	10/19/10	05:28	
62145-1A	Na	5769.59326	5768.11181	5771.07470	0.03631	ug/L	10/19/10	05:28	
62145-1A	Ni	646.10369	644.52056	647.68682	0.34652	ug/L	10/19/10	05:28	
62145-1A	Pb	9301.83398	9299.33496	9304.33203	0.03798	ug/L	10/19/10	05:28	
62145-1A	Se	1991.11779	1987.74365	1994.49194	0.23965	ug/L	10/19/10	05:28	
62145-1A	Sb	524.97711	516.43524	533.51898	2.30105	ug/L	10/19/10	05:28	
62145-1A	Sn	1012.25891	1010.21514	1014.30273	0.28553	ug/L	10/19/10	05:28	
62145-1A	Sr	1914.34020	1908.20910	1920.47131	0.45293	ug/L	10/19/10	05:28	
62145-1A	Ti	6121.37792	6114.30224	6128.45312	0.16346	ug/L	10/19/10	05:28	
62145-1A	Tl	2012.60327	2012.92126	2012.28515	0.02234	ug/L	10/19/10	05:28	
62145-1A	V	689.85217	688.12957	691.57476	0.35313	ug/L	10/19/10	05:28	
62145-1A	Zn	3456.47045	3452.52490	3460.41601	0.16143	ug/L	10/19/10	05:28	
62145-1A	2203/1	9342.90820	9322.71093	9363.10644	0.30572	ug/L	10/19/10	05:28	
62145-1A	2203/2	9281.32714	9287.66503	9274.98925	0.09657	ug/L	10/19/10	05:28	
62145-1A	1960/1	2032.10388	2024.81030	2039.39746	0.50758	ug/L	10/19/10	05:28	
62145-1A	1960/2	1970.65551	1969.23815	1972.07287	0.10171	ug/L	10/19/10	05:28	
62145-1A	Y	982.61547	981.63897	983.59197	0.14054		10/19/10	05:28	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62145-1S	Ag	88.32897	88.84136	87.81658	0.82037	ug/L	10/19/10	05:34	
62145-1S	Al	66880.96093	66914.17968	66847.74218	0.07024	ug/L	10/19/10	05:34	
62145-1S	2Al	66.88027	66.91247	66.84808	0.06807	mg/L	10/19/10	05:34	
62145-1S	As	1961.88525	1963.14294	1960.62768	0.09065	ug/L	10/19/10	05:34	
62145-1S	B	970.31182	969.24908	971.37457	0.15489	ug/L	10/19/10	05:34	
62145-1S	Ba	3559.93652	3562.76245	3557.11059	0.11226	ug/L	10/19/10	05:34	
62145-1S	Be	52.45013	52.51056	52.38970	0.16293	ug/L	10/19/10	05:34	
62145-1S	Ca	33763.36718	33798.16406	33728.56640	0.14575	ug/L	10/19/10	05:34	
62145-1S	Cd	158.64089	159.23556	158.04623	0.53011	ug/L	10/19/10	05:34	
62145-1S	Co	550.25817	550.93621	549.58020	0.17425	ug/L	10/19/10	05:34	
62145-1S	Cr	8420.55078	8431.75585	8409.34570	0.18818	ug/L	10/19/10	05:34	
62145-1S	Cu	1817.05554	1816.96679	1817.14428	0.00690	ug/L	10/19/10	05:34	
62145-1S	Fe	459169.75000	459804.15625	458535.34375	0.19539	ug/L	10/19/10	05:34	
62145-1S	2Fe	459.07736	459.70458	458.45013	0.19322	mg/L	10/19/10	05:34	
62145-1S	K	8322.95312	8329.09960	8316.80566	0.10444	ug/L	10/19/10	05:34	
62145-1S	Mg	30028.16406	30062.73437	29993.59570	0.16280	ug/L	10/19/10	05:34	
62145-1S	2Mg	29.94195	29.97641	29.90750	0.16273	mg/L	10/19/10	05:34	
62145-1S	Mn	6554.90234	6563.99560	6545.80957	0.19618	ug/L	10/19/10	05:34	
62145-1S	Mo	542.06811	545.68762	538.44860	0.94430	ug/L	10/19/10	05:34	
62145-1S	Na	5830.25488	5735.74316	5924.76611	2.29251	ug/L	10/19/10	05:34	
62145-1S	Ni	632.22918	632.39349	632.06488	0.03675	ug/L	10/19/10	05:34	
62145-1S	Pb	11328.04687	11320.55957	11335.53417	0.09347	ug/L	10/19/10	05:34	
62145-1S	Se	1927.14501	1921.88659	1932.40332	0.38587	ug/L	10/19/10	05:34	
62145-1S	Sb	512.84265	521.36138	504.32394	2.34912	ug/L	10/19/10	05:34	
62145-1S	Sn	1070.50915	1072.52282	1068.49548	0.26601	ug/L	10/19/10	05:34	
62145-1S	Sr	8881.84765	8878.37207	8885.32226	0.05533	ug/L	10/19/10	05:34	
62145-1S	Ti	4655.95068	4658.52685	4653.37451	0.07824	ug/L	10/19/10	05:34	
62145-1S	Tl	1931.91088	1932.47119	1931.35058	0.04101	ug/L	10/19/10	05:34	
62145-1S	V	622.01757	624.71582	619.31933	0.61346	ug/L	10/19/10	05:34	
62145-1S	Zn	2732.53149	2735.61572	2729.44726	0.15962	ug/L	10/19/10	05:34	
62145-1S	2203/1	11418.78808	11428.37988	11409.19628	0.11879	ug/L	10/19/10	05:34	
62145-1S	2203/2	11282.74414	11266.72949	11298.75781	0.20072	ug/L	10/19/10	05:34	
62145-1S	1960/1	1973.17126	1972.82519	1973.51733	0.02480	ug/L	10/19/10	05:34	
62145-1S	1960/2	1904.16625	1896.45544	1911.87707	0.57267	ug/L	10/19/10	05:34	
62145-1S	Y	978.65545	978.64196	978.66894	0.00194		10/19/10	05:34	
62145-1SD	Ag	119.88277	121.31621	118.44933	1.69097	ug/L	10/19/10	05:39	
62145-1SD	Al	60752.47656	61215.09765	60289.85546	1.07690	ug/L	10/19/10	05:39	
62145-1SD	2Al	60.75399	61.21662	60.29136	1.07690	mg/L	10/19/10	05:39	
62145-1SD	As	2099.33227	2118.32592	2080.33862	1.27950	ug/L	10/19/10	05:39	
62145-1SD	B	1069.41821	1077.98144	1060.85510	1.13240	ug/L	10/19/10	05:39	
62145-1SD	Ba	4076.96801	4109.45068	4044.48535	1.12675	ug/L	10/19/10	05:39	
62145-1SD	Be	55.16979	55.67361	54.66598	1.29147	ug/L	10/19/10	05:39	
62145-1SD	Ca	52327.15234	52764.32031	51889.98437	1.18150	ug/L	10/19/10	05:39	
62145-1SD	Cd	235.62063	237.47392	233.76733	1.11236	ug/L	10/19/10	05:39	
62145-1SD	Co	581.16229	587.88446	574.44012	1.63578	ug/L	10/19/10	05:39	
62145-1SD	Cr	5375.91406	5428.98486	5322.84277	1.39611	ug/L	10/19/10	05:39	
62145-1SD	Cu	3945.04589	3980.16235	3909.92919	1.25885	ug/L	10/19/10	05:39	
62145-1SD	Fe	585709.93750	591255.00000	580164.87500	1.33887	ug/L	10/19/10	05:39	
62145-1SD	2Fe	585.61206	591.15625	580.06787	1.33888	mg/L	10/19/10	05:39	
62145-1SD	K	9376.45898	9391.94140	9360.97656	0.23351	ug/L	10/19/10	05:39	
62145-1SD	Mg	26517.26171	26745.82812	26288.69335	1.21899	ug/L	10/19/10	05:39	
62145-1SD	2Mg	26.40884	26.63638	26.18129	1.21852	mg/L	10/19/10	05:39	
62145-1SD	Mn	4470.49511	4511.15527	4429.83496	1.28625	ug/L	10/19/10	05:39	
62145-1SD	Mo	645.08166	651.23321	638.93011	1.34860	ug/L	10/19/10	05:39	
62145-1SD	Na	6618.24414	6634.63427	6601.85400	0.35023	ug/L	10/19/10	05:39	
62145-1SD	Ni	711.97631	715.80328	708.14929	0.76016	ug/L	10/19/10	05:39	
62145-1SD	Pb	18148.78906	18253.10937	18044.47070	0.81289	ug/L	10/19/10	05:39	
62145-1SD	Se	2047.20434	2057.71337	2036.69519	0.72597	ug/L	10/19/10	05:39	
62145-1SD	Sb	561.01501	566.61523	555.41473	1.41171	ug/L	10/19/10	05:39	
62145-1SD	Sn	1211.86645	1218.41943	1205.31335	0.76472	ug/L	10/19/10	05:39	
62145-1SD	Sr	2844.00781	2869.40063	2818.61523	1.26267	ug/L	10/19/10	05:39	
62145-1SD	Ti	5668.15136	5717.37792	5618.92529	1.22820	ug/L	10/19/10	05:39	
62145-1SD	Tl	2067.97485	2090.24072	2045.70886	1.52268	ug/L	10/19/10	05:39	
62145-1SD	V	712.19281	719.05340	705.33221	1.36232	ug/L	10/19/10	05:39	
62145-1SD	Zn	4160.81982	4200.92578	4120.71386	1.36315	ug/L	10/19/10	05:39	
62145-1SD	2203/1	18270.55859	18333.06835	18208.04687	0.48385	ug/L	10/19/10	05:39	
62145-1SD	2203/2	18087.99804	18213.19140	17962.80468	0.97882	ug/L	10/19/10	05:39	
62145-1SD	1960/1	2095.83935	2105.21557	2086.46313	0.63268	ug/L	10/19/10	05:39	
62145-1SD	1960/2	2022.92333	2033.99804	2011.84851	0.77423	ug/L	10/19/10	05:39	
62145-1SD	Y	958.05895	951.52496	964.59295	0.96449		10/19/10	05:39	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62146-1	Ag	0.28278	1.27329	-0.70773	495.36306	ug/L	10/19/10	05:44	
62146-1	Al	58096.23828	58051.77734	58140.69921	0.10822	ug/L	10/19/10	05:44	
62146-1	2Al	58.09917	58.05522	58.14312	0.10698	mg/L	10/19/10	05:44	
62146-1	As	6.69777	7.19670	6.19883	10.53484	ug/L	10/19/10	05:44	
62146-1	B	12.80515	13.16656	12.44374	3.99141	ug/L	10/19/10	05:44	
62146-1	Ba	146.65817	146.62858	146.68777	0.02853	ug/L	10/19/10	05:44	
62146-1	Be	2.51410	2.54113	2.48706	1.52083	ug/L	10/19/10	05:44	
62146-1	Ca	8153.70507	8159.87109	8147.53857	0.10695	ug/L	10/19/10	05:44	
62146-1	Cd	0.12423	0.12991	0.11856	6.45905	ug/L	10/19/10	05:44	
62146-1	Co	31.94931	32.32027	31.57834	1.64206	ug/L	10/19/10	05:44	
62146-1	Cr	83.22660	83.13079	83.32240	0.16279	ug/L	10/19/10	05:44	
62146-1	Cu	45.09033	45.70689	44.47376	1.93379	ug/L	10/19/10	05:44	
62146-1	Fe	76696.47656	76722.82812	76670.12500	0.04858	ug/L	10/19/10	05:44	
62146-1	2Fe	76.68612	76.71313	76.65911	0.04980	mg/L	10/19/10	05:44	
62146-1	K	11469.96289	11450.63964	11489.28515	0.23824	ug/L	10/19/10	05:44	
62146-1	Mg	21335.35156	21358.43945	21312.26171	0.15304	ug/L	10/19/10	05:44	
62146-1	2Mg	21.31649	21.33957	21.29341	0.15310	mg/L	10/19/10	05:44	
62146-1	Mn	1427.50585	1428.13830	1426.87329	0.06266	ug/L	10/19/10	05:44	
62146-1	Mo	2.24978	2.23939	2.26017	0.65298	ug/L	10/19/10	05:44	
62146-1	Na	1313.72314	1377.04003	1250.40625	6.81601	ug/L	10/19/10	05:44	
62146-1	Ni	75.05813	75.14689	74.96938	0.16723	ug/L	10/19/10	05:44	
62146-1	Pb	24.21302	23.34534	25.08069	5.06783	ug/L	10/19/10	05:44	
62146-1	Se	3.71691	5.29500	2.13883	60.04303	ug/L	10/19/10	05:44	
62146-1	Sb	1.71834	4.54183	-1.10514	232.37576	ug/L	10/19/10	05:44	
62146-1	Sn	22.78921	27.86356	17.71485	31.48955	ug/L	10/19/10	05:44	
62146-1	Sr	41.38574	41.40195	41.36953	0.05538	ug/L	10/19/10	05:44	
62146-1	Ti	4952.33349	4951.79492	4952.87207	0.01537	ug/L	10/19/10	05:44	
62146-1	Tl	1.99328	5.88782	-1.90124	276.31250	ug/L	10/19/10	05:44	
62146-1	V	148.24633	148.44309	148.04956	0.18771	ug/L	10/19/10	05:44	
62146-1	Zn	171.04293	171.42173	170.66413	0.31319	ug/L	10/19/10	05:44	
62146-1	2203/1	32.32294	33.23773	31.40814	4.00248	ug/L	10/19/10	05:44	
62146-1	2203/2	20.16413	18.40656	21.92171	12.32676	ug/L	10/19/10	05:44	
62146-1	1960/1	8.27029	14.94173	1.59884	114.08121	ug/L	10/19/10	05:44	
62146-1	1960/2	1.44364	0.47886	2.40842	94.51073	ug/L	10/19/10	05:44	
62146-1	Y	977.99847	982.68298	973.31396	0.67739		10/19/10	05:44	
62146-2	Ag	0.80379	1.10350	0.50408	52.73104	ug/L	10/19/10	05:49	
62146-2	Al	61192.21093	61049.23046	61335.19140	0.33044	ug/L	10/19/10	05:49	
62146-2	2Al	61.19205	61.04897	61.33512	0.33066	mg/L	10/19/10	05:49	
62146-2	As	16.39219	14.14495	18.63943	19.38773	ug/L	10/19/10	05:49	
62146-2	B	13.42860	13.37306	13.48414	0.58489	ug/L	10/19/10	05:49	
62146-2	Ba	256.19308	255.87675	256.50942	0.17462	ug/L	10/19/10	05:49	
62146-2	Be	2.66726	2.69357	2.64095	1.39505	ug/L	10/19/10	05:49	
62146-2	Ca	21765.33203	21752.01757	21778.64843	0.08651	ug/L	10/19/10	05:49	
62146-2	Cd	0.25783	0.58700	-0.07132	180.54421	ug/L	10/19/10	05:49	
62146-2	Co	47.91577	48.25582	47.57572	1.00363	ug/L	10/19/10	05:49	
62146-2	Cr	133.48011	134.19705	132.76318	0.75958	ug/L	10/19/10	05:49	
62146-2	Cu	103.63769	103.92260	103.35278	0.38878	ug/L	10/19/10	05:49	
62146-2	Fe	105404.26562	105326.55468	105481.97656	0.10426	ug/L	10/19/10	05:49	
62146-2	2Fe	105.38441	105.30673	105.46209	0.10424	mg/L	10/19/10	05:49	
62146-2	K	18176.25781	18145.84765	18206.66601	0.23660	ug/L	10/19/10	05:49	
62146-2	Mg	29757.20312	29754.72460	29759.67968	0.01177	ug/L	10/19/10	05:49	
62146-2	2Mg	29.73107	29.72860	29.73353	0.01171	mg/L	10/19/10	05:49	
62146-2	Mn	1754.58972	1753.26696	1755.91247	0.10661	ug/L	10/19/10	05:49	
62146-2	Mo	3.76057	3.79588	3.72525	1.32810	ug/L	10/19/10	05:49	
62146-2	Na	2438.66992	2369.44653	2507.89306	4.01433	ug/L	10/19/10	05:49	
62146-2	Ni	101.23085	101.27277	101.18894	0.05855	ug/L	10/19/10	05:49	
62146-2	Pb	28.24575	27.26324	29.22826	4.91925	ug/L	10/19/10	05:49	
62146-2	Se	-0.96111	0.31171	-2.23393	187.28765	ug/L	10/19/10	05:49	
62146-2	Sb	-5.73145	-0.26209	-11.20081	134.95414	ug/L	10/19/10	05:49	
62146-2	Sn	24.55378	22.84846	26.25910	9.82205	ug/L	10/19/10	05:49	
62146-2	Sr	101.93681	101.90057	101.97304	0.05027	ug/L	10/19/10	05:49	
62146-2	Ti	6737.84130	6729.23876	6746.44384	0.18055	ug/L	10/19/10	05:49	
62146-2	Tl	-3.95813	-0.08433	-7.83192	138.40803	ug/L	10/19/10	05:49	
62146-2	V	192.03009	191.99874	192.06144	0.02308	ug/L	10/19/10	05:49	
62146-2	Zn	230.45504	230.45874	230.45135	0.00226	ug/L	10/19/10	05:49	
62146-2	2203/1	30.99300	31.07280	30.91319	0.36414	ug/L	10/19/10	05:49	
62146-2	2203/2	26.87418	25.36131	28.38705	7.96125	ug/L	10/19/10	05:49	
62146-2	1960/1	14.30434	15.09702	13.51166	7.83691	ug/L	10/19/10	05:49	
62146-2	1960/2	-8.58239	-7.06986	-10.09492	24.92361	ug/L	10/19/10	05:49	
62146-2	Y	972.69299	975.36596	970.01995	0.38863		10/19/10	05:49	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	503.28448	504.17687	502.39212	0.25075	ug/L	10/19/10	05:54	
CCV	Al	5104.72558	5106.72460	5102.72705	0.05537	ug/L	10/19/10	05:54	
CCV	2Al	5.10481	5.10680	5.10281	0.05537	mg/L	10/19/10	05:54	
CCV	As	502.54064	504.98266	500.09863	0.68721	ug/L	10/19/10	05:54	
CCV	B	5017.62207	5017.66455	5017.57958	0.00119	ug/L	10/19/10	05:54	
CCV	Ba	5038.61865	5046.87792	5030.35937	0.23181	ug/L	10/19/10	05:54	
CCV	Be	501.23712	501.77307	500.70114	0.15121	ug/L	10/19/10	05:54	
CCV	Ca	5008.89257	5013.23730	5004.54833	0.12266	ug/L	10/19/10	05:54	
CCV	Cd	493.14953	494.39404	491.90505	0.35688	ug/L	10/19/10	05:54	
CCV	Co	504.97106	506.08953	503.85263	0.31323	ug/L	10/19/10	05:54	
CCV	Cr	5018.61230	5025.91699	5011.30712	0.20584	ug/L	10/19/10	05:54	
CCV	Cu	5058.02294	5066.39990	5049.64599	0.23421	ug/L	10/19/10	05:54	
CCV	Fe	5018.76611	4996.58447	5040.94775	0.62504	ug/L	10/19/10	05:54	
CCV	2Fe	5.01877	4.99659	5.04094	0.62493	mg/L	10/19/10	05:54	
CCV	K	10027.15039	10042.85546	10011.44531	0.22150	ug/L	10/19/10	05:54	
CCV	Mg	5117.58740	5118.22900	5116.94580	0.01773	ug/L	10/19/10	05:54	
CCV	2Mg	5.11758	5.11823	5.11693	0.01796	mg/L	10/19/10	05:54	
CCV	Mn	5066.40917	5076.29931	5056.51953	0.27606	ug/L	10/19/10	05:54	
CCV	Mo	489.48901	489.29391	489.68414	0.05637	ug/L	10/19/10	05:54	
CCV	Na	7538.31835	7526.52246	7550.11376	0.22129	ug/L	10/19/10	05:54	
CCV	Ni	2503.86840	2505.65869	2502.07812	0.10111	ug/L	10/19/10	05:54	
CCV	Pb	502.78558	501.48104	504.09008	0.36692	ug/L	10/19/10	05:54	
CCV	Se	4947.48730	4943.20507	4951.77001	0.12241	ug/L	10/19/10	05:54	
CCV	Sb	492.36849	488.91772	495.81927	0.99115	ug/L	10/19/10	05:54	
CCV	Sn	5008.30615	5014.89892	5001.71337	0.18616	ug/L	10/19/10	05:54	
CCV	Sr	2521.05712	2525.55737	2516.55712	0.25243	ug/L	10/19/10	05:54	
CCV	Ti	507.22198	507.58081	506.86315	0.10004	ug/L	10/19/10	05:54	
CCV	Tl	4960.45654	4979.00830	4941.90478	0.52890	ug/L	10/19/10	05:54	
CCV	V	5066.90869	5073.91894	5059.89843	0.19566	ug/L	10/19/10	05:54	
CCV	Zn	2509.80493	2512.64013	2506.96972	0.15975	ug/L	10/19/10	05:54	
CCV	2203/1	504.58877	501.81628	507.36126	0.77704	ug/L	10/19/10	05:54	
CCV	2203/2	501.88531	501.31365	502.45693	0.16107	ug/L	10/19/10	05:54	
CCV	1960/1	5049.39941	5033.25488	5065.54345	0.45216	ug/L	10/19/10	05:54	
CCV	1960/2	4896.60839	4898.24804	4894.96875	0.04735	ug/L	10/19/10	05:54	
CCV	Y	956.67297	955.97094	957.37493	0.10377		10/19/10	05:54	
CCB	Ag	0.35621	0.02017	0.69224	133.41087	ug/L	10/19/10	06:00	
CCB	Al	0.10262	-7.60790	7.81314	10625.71582	ug/L	10/19/10	06:00	
CCB	2Al	0.00010	-0.00760	0.00781	10626.29980	mg/L	10/19/10	06:00	
CCB	As	0.92099	3.44042	-1.59843	386.86621	ug/L	10/19/10	06:00	
CCB	B	9.91206	10.83839	8.98573	13.21645	ug/L	10/19/10	06:00	
CCB	Ba	1.62479	0.39074	2.85884	107.41074	ug/L	10/19/10	06:00	
CCB	Be	0.12418	0.00806	0.24030	132.23576	ug/L	10/19/10	06:00	
CCB	Ca	5.66843	2.51150	8.82536	78.76211	ug/L	10/19/10	06:00	
CCB	Cd	-0.28872	-0.51592	-0.06152	111.28524	ug/L	10/19/10	06:00	
CCB	Co	0.40871	1.00278	-0.18535	205.55567	ug/L	10/19/10	06:00	
CCB	Cr	2.20973	1.23266	3.18680	62.53166	ug/L	10/19/10	06:00	
CCB	Cu	2.73285	2.19554	3.27015	27.80481	ug/L	10/19/10	06:00	
CCB	Fe	10.62920	2.00807	19.25033	114.70397	ug/L	10/19/10	06:00	
CCB	2Fe	0.01062	0.00200	0.01924	114.70066	mg/L	10/19/10	06:00	
CCB	K	4.23910	-2.69966	11.17786	231.48535	ug/L	10/19/10	06:00	
CCB	Mg	-1.05459	-5.77168	3.66248	632.55877	ug/L	10/19/10	06:00	
CCB	2Mg	-0.00105	-0.00577	0.00365	631.78027	mg/L	10/19/10	06:00	
CCB	Mn	1.70475	0.45518	2.95432	103.66031	ug/L	10/19/10	06:00	
CCB	Mo	1.36494	0.63100	2.09888	76.04334	ug/L	10/19/10	06:00	
CCB	Na	-150.29974	-236.43005	-64.16941	81.04250	ug/L	10/19/10	06:00	
CCB	Ni	0.03562	-0.67305	0.74430	2813.30249	ug/L	10/19/10	06:00	
CCB	Pb	-1.30908	-1.29306	-1.32510	1.73057	ug/L	10/19/10	06:00	
CCB	Se	0.13348	-6.39197	6.65894	6913.41894	ug/L	10/19/10	06:00	
CCB	Sb	-6.02226	-3.75749	-8.28703	53.18377	ug/L	10/19/10	06:00	
CCB	Sn	4.59798	3.36377	5.83219	37.96081	ug/L	10/19/10	06:00	
CCB	Sr	0.79048	0.25683	1.32413	95.47286	ug/L	10/19/10	06:00	
CCB	Ti	1.50136	1.02512	1.97759	44.85897	ug/L	10/19/10	06:00	
CCB	Tl	-0.48803	0.63146	-1.60752	324.40652	ug/L	10/19/10	06:00	
CCB	V	0.99670	-0.21821	2.21162	172.38328	ug/L	10/19/10	06:00	
CCB	Zn	1.08941	0.37738	1.80143	92.43143	ug/L	10/19/10	06:00	
CCB	2203/1	-0.44950	-4.17676	3.27775	1172.65063	ug/L	10/19/10	06:00	
CCB	2203/2	-1.73822	0.14662	-3.62308	153.35086	ug/L	10/19/10	06:00	
CCB	1960/1	-0.22550	-3.95349	3.50248	2337.90771	ug/L	10/19/10	06:00	
CCB	1960/2	0.31271	-7.60939	8.23481	3582.69116	ug/L	10/19/10	06:00	
CCB	Y	963.84594	964.16998	963.52197	0.04754		10/19/10	06:00	

C101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61966-1	Ag	92.01556	92.46414	91.56697	0.68944	ug/L	10/19/10	06:05	
61966-1	Al	100509.03125	100480.94531	100537.12500	0.03952	ug/L	10/19/10	06:05	
61966-1	2Al	100.51549	100.48740	100.54358	0.03952	mg/L	10/19/10	06:05	
61966-1	As	13.35713	11.49818	15.21609	19.68200	ug/L	10/19/10	06:05	
61966-1	B	20040.46093	20067.44335	20013.48046	0.19040	ug/L	10/19/10	06:05	
61966-1	Ba	382.25201	382.33535	382.16864	0.03084	ug/L	10/19/10	06:05	
61966-1	Be	1.09881	1.10898	1.08863	1.30940	ug/L	10/19/10	06:05	
61966-1	Ca	176289.87500	176436.53125	176143.23437	0.11764	ug/L	10/19/10	06:05	
61966-1	Cd	136.44143	136.50527	136.37759	0.06617	ug/L	10/19/10	06:05	
61966-1	Co	13.65480	13.03265	14.27696	6.44355	ug/L	10/19/10	06:05	
61966-1	Cr	961.88916	964.08215	959.69622	0.32241	ug/L	10/19/10	06:05	
61966-1	Cu	3459.31616	3460.38598	3458.24633	0.04373	ug/L	10/19/10	06:05	
61966-1	Fe	9777.20117	9808.57714	9745.82519	0.45383	ug/L	10/19/10	06:05	
61966-1	2Fe	9.77596	9.80733	9.74459	0.45383	mg/L	10/19/10	06:05	
61966-1	K	1709.33605	1707.65917	1711.01293	0.13873	ug/L	10/19/10	06:05	
61966-1	Mg	8709.22265	8712.75585	8705.69042	0.05736	ug/L	10/19/10	06:05	
61966-1	2Mg	8.70510	8.70862	8.70157	0.05727	mg/L	10/19/10	06:05	
61966-1	Mn	124.97625	125.10401	124.84851	0.14456	ug/L	10/19/10	06:05	
61966-1	Mo	14.42343	14.34605	14.50081	0.75870	ug/L	10/19/10	06:05	
61966-1	Na	6763.14648	6634.65332	6891.63916	2.68686	ug/L	10/19/10	06:05	
61966-1	Ni	133.12178	133.00460	133.23895	0.12447	ug/L	10/19/10	06:05	
61966-1	Pb	194.15344	194.26991	194.03695	0.08484	ug/L	10/19/10	06:05	
61966-1	Se	-0.98126	1.32056	-3.28309	331.74203	ug/L	10/19/10	06:05	
61966-1	Sb	3741.43750	3746.24560	3736.62939	0.18173	ug/L	10/19/10	06:05	
61966-1	Sn	34.97673	33.50083	36.45264	5.96752	ug/L	10/19/10	06:05	
61966-1	Sr	2421.83691	2428.65234	2415.02148	0.39798	ug/L	10/19/10	06:05	
61966-1	Ti	3144.86938	3146.17333	3143.56542	0.05863	ug/L	10/19/10	06:05	
61966-1	Tl	0.63130	6.91009	-5.64749	1406.54638	ug/L	10/19/10	06:05	
61966-1	V	84.34033	84.28602	84.39464	0.09106	ug/L	10/19/10	06:05	
61966-1	Zn	7280.36914	7293.44775	7267.29101	0.25404	ug/L	10/19/10	06:05	
61966-1	2203/1	203.60861	203.54563	203.67158	0.04373	ug/L	10/19/10	06:05	
61966-1	2203/2	189.43292	189.63899	189.22685	0.15384	ug/L	10/19/10	06:05	
61966-1	1960/1	5.92169	12.02214	-0.17876	145.69049	ug/L	10/19/10	06:05	
61966-1	1960/2	-4.42757	-4.02221	-4.83293	12.94773	ug/L	10/19/10	06:05	
61966-1	Y	942.73645	941.66094	943.81195	0.16133		10/19/10	06:05	
62095-1	Ag	0.68789	0.44670	0.92908	49.58527	ug/L	10/19/10	06:10	
62095-1	Al	8.34309	11.14873	5.53746	47.55746	ug/L	10/19/10	06:10	
62095-1	2Al	0.00834	0.01114	0.00553	47.55746	mg/L	10/19/10	06:10	
62095-1	As	3.12634	4.82433	1.42835	76.80934	ug/L	10/19/10	06:10	
62095-1	B	82.24098	88.97586	75.50608	11.58129	ug/L	10/19/10	06:10	
62095-1	Ba	1.63380	1.49218	1.77542	12.25841	ug/L	10/19/10	06:10	
62095-1	Be	0.00034	-0.05650	0.05720	23084.10742	ug/L	10/19/10	06:10	
62095-1	Ca	1110.79492	1112.57238	1109.01757	0.22629	ug/L	10/19/10	06:10	
62095-1	Cd	0.00097	-0.25542	0.25737	37118.98046	ug/L	10/19/10	06:10	
62095-1	Co	-0.45191	-0.45779	-0.44603	1.84058	ug/L	10/19/10	06:10	
62095-1	Cr	5.28335	6.07922	4.48748	21.30330	ug/L	10/19/10	06:10	
62095-1	Cu	1.02984	1.69473	0.36496	91.30391	ug/L	10/19/10	06:10	
62095-1	Fe	76.86993	75.71632	78.02355	2.12235	ug/L	10/19/10	06:10	
62095-1	2Fe	0.07686	0.07570	0.07801	2.12245	mg/L	10/19/10	06:10	
62095-1	K	63242.75390	63253.77343	63231.73437	0.02464	ug/L	10/19/10	06:10	
62095-1	Mg	1864.28613	1867.08947	1861.48278	0.21265	ug/L	10/19/10	06:10	
62095-1	2Mg	1.86375	1.86655	1.86094	0.21268	mg/L	10/19/10	06:10	
62095-1	Mn	8.59755	8.57394	8.62115	0.38830	ug/L	10/19/10	06:10	
62095-1	Mo	-0.24215	-1.75001	1.26570	880.61322	ug/L	10/19/10	06:10	
62095-1	Na	613.76293	598.52038	629.00549	3.51214	ug/L	10/19/10	06:10	
62095-1	Ni	12.54151	11.92283	13.16018	6.97635	ug/L	10/19/10	06:10	
62095-1	Pb	0.31789	-0.22500	0.86079	241.52162	ug/L	10/19/10	06:10	
62095-1	Se	-6.56658	-8.07737	-5.05580	32.53701	ug/L	10/19/10	06:10	
62095-1	Sb	3.94764	-1.56309	9.45837	197.41810	ug/L	10/19/10	06:10	
62095-1	Sn	19.32707	18.23521	20.41893	7.98943	ug/L	10/19/10	06:10	
62095-1	Sr	1.26585	1.28117	1.25054	1.71128	ug/L	10/19/10	06:10	
62095-1	Ti	1.46657	2.08854	0.84460	59.97663	ug/L	10/19/10	06:10	
62095-1	Tl	-7.60505	-12.06525	-3.14485	82.94052	ug/L	10/19/10	06:10	
62095-1	V	0.12348	-0.27375	0.52071	454.95205	ug/L	10/19/10	06:10	
62095-1	Zn	19.48127	19.76470	19.19784	2.05750	ug/L	10/19/10	06:10	
62095-1	2203/1	6.25396	4.32030	8.18763	43.72613	ug/L	10/19/10	06:10	
62095-1	2203/2	-2.64569	-2.49425	-2.79713	8.09485	ug/L	10/19/10	06:10	
62095-1	1960/1	13.01931	10.22414	15.81449	30.36239	ug/L	10/19/10	06:10	
62095-1	1960/2	-16.34489	-17.21444	-15.47534	7.52365	ug/L	10/19/10	06:10	
62095-1	Y	967.52697	965.26794	969.78594	0.33019		10/19/10	06:10	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62025-1	Ag	3.21934	1.79271	4.64598	62.66989	ug/L	10/19/10	06:15	
62025-1	Al	61.78024	57.90143	65.65904	8.87899	ug/L	10/19/10	06:15	
62025-1	2Al	0.06178	0.05790	0.06566	8.87915	mg/L	10/19/10	06:15	
62025-1	As	56.79231	55.76777	57.81686	2.55126	ug/L	10/19/10	06:15	
62025-1	B	25.00859	26.70549	23.31169	9.59582	ug/L	10/19/10	06:15	
62025-1	Ba	7.10810	7.00865	7.20756	1.97873	ug/L	10/19/10	06:15	
62025-1	Be	0.48370	0.44054	0.52686	12.61893	ug/L	10/19/10	06:15	
62025-1	Ca	1383.56884	1384.91235	1382.22521	0.13733	ug/L	10/19/10	06:15	
62025-1	Cd	2.55743	2.74895	2.36592	10.59055	ug/L	10/19/10	06:15	
62025-1	Co	32.61624	32.04698	33.18548	2.46822	ug/L	10/19/10	06:15	
62025-1	Cr	1948.92846	1950.63378	1947.22314	0.12374	ug/L	10/19/10	06:15	
62025-1	Cu	658.91070	658.32220	659.49920	0.12630	ug/L	10/19/10	06:15	
62025-1	Fe	1106.82812	1132.80297	1080.85314	3.31886	ug/L	10/19/10	06:15	
62025-1	2Fe	1.10669	1.13266	1.08072	3.31879	mg/L	10/19/10	06:15	
62025-1	K	97.78794	88.45378	107.12211	13.49911	ug/L	10/19/10	06:15	
62025-1	Mg	185.42044	185.09170	185.74919	0.25073	ug/L	10/19/10	06:15	
62025-1	2Mg	0.18535	0.18501	0.18568	0.25420	mg/L	10/19/10	06:15	
62025-1	Mn	386.79446	386.90151	386.68740	0.03914	ug/L	10/19/10	06:15	
62025-1	Mo	1.02771	1.78443	0.27099	104.13049	ug/L	10/19/10	06:15	
62025-1	Na	766.88146	783.32269	750.44030	3.03193	ug/L	10/19/10	06:15	
62025-1	Ni	128.85568	129.01062	128.70075	0.17003	ug/L	10/19/10	06:15	
62025-1	Pb	62.30383	62.91310	61.69456	1.38296	ug/L	10/19/10	06:15	
62025-1	Se	-6.05583	-10.94766	-1.16400	114.23840	ug/L	10/19/10	06:15	
62025-1	Sb	0.43579	-3.40750	4.27909	1247.21105	ug/L	10/19/10	06:15	
62025-1	Sn	36.64418	33.43584	39.85251	12.38196	ug/L	10/19/10	06:15	
62025-1	Sr	4.36815	4.33093	4.40537	1.20505	ug/L	10/19/10	06:15	
62025-1	Ti	32.19293	32.43650	31.94937	1.06994	ug/L	10/19/10	06:15	
62025-1	Tl	-3.17847	-2.07850	-4.27844	48.94151	ug/L	10/19/10	06:15	
62025-1	V	136.77145	136.49470	137.04820	0.28615	ug/L	10/19/10	06:15	
62025-1	Zn	429.03515	429.53829	428.53204	0.16584	ug/L	10/19/10	06:15	
62025-1	2203/1	56.29074	55.66714	56.91435	1.56669	ug/L	10/19/10	06:15	
62025-1	2203/2	65.30587	66.53065	64.08108	2.65229	ug/L	10/19/10	06:15	
62025-1	1960/1	-3.84228	-15.71796	8.03338	437.10238	ug/L	10/19/10	06:15	
62025-1	1960/2	-7.16095	-8.56609	-5.75580	27.75008	ug/L	10/19/10	06:15	
62025-1	Y	932.21093	933.86694	930.55493	0.25122		10/19/10	06:15	
62115-1	Ag	35.82707	35.95603	35.69810	0.50907	ug/L	10/19/10	06:22	
62115-1	Al	254815.92187	254508.50000	255123.34375	0.17061	ug/L	10/19/10	06:22	
62115-1	2Al	254.82342	254.52088	255.12594	0.16789	mg/L	10/19/10	06:22	
62115-1	As	13.61285	15.29121	11.93450	17.43610	ug/L	10/19/10	06:22	
62115-1	B	2233.73095	2234.08422	2233.37768	0.02236	ug/L	10/19/10	06:22	
62115-1	Ba	18154.08398	18125.89648	18182.27148	0.21958	ug/L	10/19/10	06:22	
62115-1	Be	7.02857	7.03013	7.02701	0.03136	ug/L	10/19/10	06:22	
62115-1	Ca	1840368.25000	1841834.50000	1838902.12500	0.11266	ug/L	10/19/10	06:22	
62115-1	Cd	118.43093	118.75412	118.10774	0.38592	ug/L	10/19/10	06:22	
62115-1	Co	86.77956	87.84597	85.71315	1.73789	ug/L	10/19/10	06:22	
62115-1	Cr	1673.01672	1673.01367	1673.01977	0.00025	ug/L	10/19/10	06:22	
62115-1	Cu	1340.84155	1340.28833	1341.39465	0.05834	ug/L	10/19/10	06:22	
62115-1	Fe	140323.10937	140337.07812	140309.14062	0.01407	ug/L	10/19/10	06:22	
62115-1	2Fe	140.30107	140.31793	140.28421	0.01699	mg/L	10/19/10	06:22	
62115-1	K	407129.40625	406141.59375	408117.21875	0.34312	ug/L	10/19/10	06:22	
62115-1	Mg	202284.37500	202344.67187	202224.07812	0.04215	ug/L	10/19/10	06:22	
62115-1	2Mg	202.22732	202.29104	202.16361	0.04455	mg/L	10/19/10	06:22	
62115-1	Mn	68930.61718	68891.75000	68969.48437	0.07974	ug/L	10/19/10	06:22	
62115-1	Mo	75.85482	77.03569	74.67395	2.20158	ug/L	10/19/10	06:22	
62115-1	Na	157429.56250	157263.68750	157595.42187	0.14900	ug/L	10/19/10	06:22	
62115-1	Ni	375.35632	376.38415	374.32849	0.38725	ug/L	10/19/10	06:22	
62115-1	Pb	314.38726	316.45010	312.32446	0.92792	ug/L	10/19/10	06:22	
62115-1	Se	32.18207	35.17885	29.18529	13.16911	ug/L	10/19/10	06:22	
62115-1	Sb	3.31956	1.80839	4.83073	64.37946	ug/L	10/19/10	06:22	
62115-1	Sn	26.74078	26.76377	26.71779	0.12157	ug/L	10/19/10	06:22	
62115-1	Sr	8224.33496	8218.78222	8229.88769	0.09548	ug/L	10/19/10	06:22	
62115-1	Ti	19172.03125	19153.60742	19190.45703	0.13590	ug/L	10/19/10	06:22	
62115-1	Tl	-2.56848	-3.74951	-1.38745	65.02770	ug/L	10/19/10	06:22	
62115-1	V	274.56127	273.46343	275.65908	0.56546	ug/L	10/19/10	06:22	
62115-1	Zn	7052.13867	7057.41406	7046.86328	0.10579	ug/L	10/19/10	06:22	
62115-1	2203/1	333.36981	335.12387	331.61575	0.74410	ug/L	10/19/10	06:22	
62115-1	2203/2	304.91024	307.12722	302.69326	1.02826	ug/L	10/19/10	06:22	
62115-1	1960/1	47.50014	58.27760	36.72269	32.08753	ug/L	10/19/10	06:22	
62115-1	1960/2	24.53452	23.64680	25.42224	5.11697	ug/L	10/19/10	06:22	
62115-1	Y	884.00244	886.55395	881.45098	0.40818		10/19/10	06:22	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62115-2	Ag	43.15570	43.54010	42.77130	1.25967	ug/L	10/19/10	06:27	
62115-2	Al	271373.93750	270731.28125	272016.56250	0.33489	ug/L	10/19/10	06:27	
62115-2	2Al	271.36999	270.72244	272.01757	0.33747	mg/L	10/19/10	06:27	
62115-2	As	11.89792	8.27577	15.52007	43.05370	ug/L	10/19/10	06:27	
62115-2	B	2201.11083	2199.06518	2203.15625	0.13142	ug/L	10/19/10	06:27	
62115-2	Ba	18440.81445	18437.79882	18443.83007	0.02312	ug/L	10/19/10	06:27	
62115-2	Be	7.96941	7.94691	7.99191	0.39933	ug/L	10/19/10	06:27	
62115-2	Ca	1878034.37500	1874110.87500	1881957.87500	0.29545	ug/L	10/19/10	06:27	
62115-2	Cd	146.47381	146.46463	146.48301	0.00887	ug/L	10/19/10	06:27	
62115-2	Co	92.53569	91.74484	93.32653	1.20863	ug/L	10/19/10	06:27	
62115-2	Cr	1864.42651	1863.67565	1865.17749	0.05695	ug/L	10/19/10	06:27	
62115-2	Cu	1340.54199	1340.24841	1340.83569	0.03097	ug/L	10/19/10	06:27	
62115-2	Fe	152255.40625	151930.17187	152580.64062	0.30209	ug/L	10/19/10	06:27	
62115-2	2Fe	152.22463	151.89657	152.55271	0.30478	mg/L	10/19/10	06:27	
62115-2	K	433299.34375	433195.09375	433403.59375	0.03402	ug/L	10/19/10	06:27	
62115-2	Mg	196167.43750	195445.62500	196889.23437	0.52036	ug/L	10/19/10	06:27	
62115-2	2Mg	196.10218	195.37713	196.82723	0.52287	mg/L	10/19/10	06:27	
62115-2	Mn	66854.04687	66711.54687	66996.53906	0.30143	ug/L	10/19/10	06:27	
62115-2	Mo	78.00504	77.63452	78.37555	0.67173	ug/L	10/19/10	06:27	
62115-2	Na	174255.68750	174101.75000	174409.60937	0.12492	ug/L	10/19/10	06:27	
62115-2	Ni	636.61206	638.07006	635.15411	0.32388	ug/L	10/19/10	06:27	
62115-2	Pb	402.95367	398.29290	407.61441	1.63574	ug/L	10/19/10	06:27	
62115-2	Se	26.12092	24.67252	27.56932	7.84177	ug/L	10/19/10	06:27	
62115-2	Sb	9.52110	10.85460	8.18760	19.80713	ug/L	10/19/10	06:27	
62115-2	Sn	34.61093	34.90343	34.31843	1.19517	ug/L	10/19/10	06:27	
62115-2	Sr	8361.47460	8351.27832	8371.66992	0.17244	ug/L	10/19/10	06:27	
62115-2	Ti	21322.59179	21301.29492	21343.88867	0.14125	ug/L	10/19/10	06:27	
62115-2	Tl	-0.54078	3.55722	-4.63880	1071.66833	ug/L	10/19/10	06:27	
62115-2	V	298.93405	298.21673	299.65136	0.33935	ug/L	10/19/10	06:27	
62115-2	Zn	8015.53271	7988.90820	8042.15722	0.46974	ug/L	10/19/10	06:27	
62115-2	2203/1	440.41503	436.57650	444.25357	1.23258	ug/L	10/19/10	06:27	
62115-2	2203/2	384.25103	379.17980	389.32229	1.86644	ug/L	10/19/10	06:27	
62115-2	1960/1	49.77924	53.00592	46.55257	9.16688	ug/L	10/19/10	06:27	
62115-2	1960/2	14.30949	10.52706	18.09192	37.38190	ug/L	10/19/10	06:27	
62115-2	Y	881.19445	880.84796	881.54095	0.05560		10/19/10	06:27	
62115-3	Ag	40.87799	41.47661	40.27936	2.07100	ug/L	10/19/10	06:33	
62115-3	Al	271495.50000	271537.43750	271453.59375	0.02183	ug/L	10/19/10	06:33	
62115-3	2Al	271.50064	271.53314	271.46813	0.01692	mg/L	10/19/10	06:33	
62115-3	As	17.09405	15.32431	18.86379	14.64127	ug/L	10/19/10	06:33	
62115-3	B	2381.78564	2384.23925	2379.33203	0.14568	ug/L	10/19/10	06:33	
62115-3	Ba	19014.42578	19022.28125	19006.56835	0.05843	ug/L	10/19/10	06:33	
62115-3	Be	7.55760	7.55973	7.55548	0.03985	ug/L	10/19/10	06:33	
62115-3	Ca	1921518.75000	1922446.50000	1920590.87500	0.06828	ug/L	10/19/10	06:33	
62115-3	Cd	138.76043	138.74769	138.77316	0.01297	ug/L	10/19/10	06:33	
62115-3	Co	88.70487	88.81916	88.59059	0.18220	ug/L	10/19/10	06:33	
62115-3	Cr	1861.61584	1862.67822	1860.55346	0.08070	ug/L	10/19/10	06:33	
62115-3	Cu	1365.67004	1368.68774	1362.65234	0.31249	ug/L	10/19/10	06:33	
62115-3	Fe	147913.50000	147935.28125	147891.70312	0.02083	ug/L	10/19/10	06:33	
62115-3	2Fe	147.88824	147.90493	147.87155	0.01596	mg/L	10/19/10	06:33	
62115-3	K	437929.43750	437693.75000	438165.12500	0.07611	ug/L	10/19/10	06:33	
62115-3	Mg	208340.20312	208397.29687	208283.10937	0.03875	ug/L	10/19/10	06:33	
62115-3	2Mg	208.27966	208.32806	208.23126	0.03286	mg/L	10/19/10	06:33	
62115-3	Mn	71959.17187	71977.93750	71940.39843	0.03688	ug/L	10/19/10	06:33	
62115-3	Mo	80.96223	83.29884	78.62561	4.08149	ug/L	10/19/10	06:33	
62115-3	Na	169795.65625	169934.67187	169656.65625	0.11577	ug/L	10/19/10	06:33	
62115-3	Ni	568.11901	567.49395	568.74414	0.15560	ug/L	10/19/10	06:33	
62115-3	Pb	380.90991	379.98263	381.83715	0.34426	ug/L	10/19/10	06:33	
62115-3	Se	24.63375	25.44578	23.82172	4.66184	ug/L	10/19/10	06:33	
62115-3	Sb	12.08629	8.20223	15.97034	45.44720	ug/L	10/19/10	06:33	
62115-3	Sn	26.26104	24.10400	28.41807	11.61608	ug/L	10/19/10	06:33	
62115-3	Sr	8612.75000	8618.67578	8606.82324	0.09730	ug/L	10/19/10	06:33	
62115-3	Ti	20575.89453	20580.84960	20570.93945	0.03405	ug/L	10/19/10	06:33	
62115-3	Tl	0.43199	-1.43462	2.29861	611.07543	ug/L	10/19/10	06:33	
62115-3	V	293.59545	295.28414	291.90679	0.81341	ug/L	10/19/10	06:33	
62115-3	Zn	8070.67138	8064.40820	8076.93457	0.10974	ug/L	10/19/10	06:33	
62115-3	2203/1	406.02136	407.79122	404.25152	0.61645	ug/L	10/19/10	06:33	
62115-3	2203/2	368.37298	366.09918	370.64678	0.87293	ug/L	10/19/10	06:33	
62115-3	1960/1	44.32475	48.03625	40.61325	11.84179	ug/L	10/19/10	06:33	
62115-3	1960/2	14.80301	14.16749	15.43854	6.07152	ug/L	10/19/10	06:33	
62115-3	Y	869.14343	870.80395	867.48297	0.27018		10/19/10	06:33	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62115-4	Ag	42.07224	42.71299	41.43148	2.15382	ug/L	10/19/10	06:38	
62115-4	Al	234805.37500	234636.89062	234973.85937	0.10147	ug/L	10/19/10	06:38	
62115-4	2Al	234.79714	234.62950	234.96481	0.10098	mg/L	10/19/10	06:38	
62115-4	As	53.12775	53.32222	52.93328	0.51765	ug/L	10/19/10	06:38	
62115-4	B	5985.39453	5976.11376	5994.67480	0.21927	ug/L	10/19/10	06:38	
62115-4	Ba	4395.32714	4391.97753	4398.67675	0.10777	ug/L	10/19/10	06:38	
62115-4	Be	4.37878	4.39013	4.36744	0.36625	ug/L	10/19/10	06:38	
62115-4	Ca	2154482.00000	2151194.00000	2157769.75000	0.21581	ug/L	10/19/10	06:38	
62115-4	Cd	150.46426	150.50045	150.42805	0.03402	ug/L	10/19/10	06:38	
62115-4	Co	149.99887	149.24378	150.75395	0.71190	ug/L	10/19/10	06:38	
62115-4	Cr	2775.62646	2772.81738	2778.43530	0.14311	ug/L	10/19/10	06:38	
62115-4	Cu	3292.08886	3290.49023	3293.68750	0.06867	ug/L	10/19/10	06:38	
62115-4	Fe	76115.00000	76032.19531	76197.81250	0.15385	ug/L	10/19/10	06:38	
62115-4	2Fe	76.09801	76.01522	76.18080	0.15385	mg/L	10/19/10	06:38	
62115-4	K	748967.87500	747910.68750	750025.06250	0.19961	ug/L	10/19/10	06:38	
62115-4	Mg	493229.37500	492732.28125	493726.46875	0.14252	ug/L	10/19/10	06:38	
62115-4	2Mg	493.11248	492.61730	493.60766	0.14201	mg/L	10/19/10	06:38	
62115-4	Mn	182357.92187	182201.40625	182514.43750	0.12138	ug/L	10/19/10	06:38	
62115-4	Mo	263.12713	263.34506	262.90921	0.11712	ug/L	10/19/10	06:38	
62115-4	Na	317345.56250	317160.62500	317530.46875	0.08240	ug/L	10/19/10	06:38	
62115-4	Ni	363.81915	364.83850	362.79983	0.39622	ug/L	10/19/10	06:38	
62115-4	Pb	424.89343	426.38922	423.39764	0.49785	ug/L	10/19/10	06:38	
62115-4	Se	110.21383	111.00263	109.42503	1.01215	ug/L	10/19/10	06:38	
62115-4	Sb	29.82037	33.06242	26.57831	15.37524	ug/L	10/19/10	06:38	
62115-4	Sn	5.30294	8.30816	2.29773	80.14432	ug/L	10/19/10	06:38	
62115-4	Sr	11711.19433	11686.37402	11736.01464	0.29972	ug/L	10/19/10	06:38	
62115-4	Ti	6870.18408	6866.25195	6874.11621	0.08094	ug/L	10/19/10	06:38	
62115-4	Tl	-0.82020	1.68514	-3.32554	431.97814	ug/L	10/19/10	06:38	
62115-4	V	204.29519	205.61120	202.97917	0.91100	ug/L	10/19/10	06:38	
62115-4	Zn	20342.33984	20330.56445	20354.11718	0.08187	ug/L	10/19/10	06:38	
62115-4	2203/1	442.60321	445.79681	439.40963	1.02042	ug/L	10/19/10	06:38	
62115-4	2203/2	416.05181	416.69998	415.40365	0.22031	ug/L	10/19/10	06:38	
62115-4	1960/1	155.70483	155.33717	156.07247	0.33392	ug/L	10/19/10	06:38	
62115-4	1960/2	87.50243	88.86859	86.13627	2.20798	ug/L	10/19/10	06:38	
62115-4	Y	854.35192	855.32397	853.37994	0.16089		10/19/10	06:38	
CCV	Ag	500.89324	500.56268	501.22381	0.09333	ug/L	10/19/10	06:43	
CCV	Al	5132.13964	5106.92968	5157.34912	0.69467	ug/L	10/19/10	06:43	
CCV	2Al	5.13222	5.10701	5.15743	0.69473	mg/L	10/19/10	06:43	
CCV	As	495.19256	488.73269	501.65246	1.84486	ug/L	10/19/10	06:43	
CCV	B	4974.28515	4970.56103	4978.00976	0.10588	ug/L	10/19/10	06:43	
CCV	Ba	5035.49658	5039.63232	5031.36083	0.11615	ug/L	10/19/10	06:43	
CCV	Be	492.10656	492.30871	491.90441	0.05809	ug/L	10/19/10	06:43	
CCV	Ca	5154.04882	4947.95019	5360.14746	5.65511	ug/L	10/19/10	06:43	
CCV	Cd	482.45062	482.40432	482.49694	0.01357	ug/L	10/19/10	06:43	
CCV	Co	496.21356	495.43341	496.99374	0.22234	ug/L	10/19/10	06:43	
CCV	Cr	4946.84960	4943.24707	4950.45263	0.10299	ug/L	10/19/10	06:43	
CCV	Cu	5063.08007	5067.89160	5058.26855	0.13439	ug/L	10/19/10	06:43	
CCV	Fe	4925.25634	4900.01171	4950.50097	0.72486	ug/L	10/19/10	06:43	
CCV	2Fe	4.92526	4.90002	4.95050	0.72478	mg/L	10/19/10	06:43	
CCV	K	10379.53906	10258.04492	10501.03320	1.65535	ug/L	10/19/10	06:43	
CCV	Mg	5072.76269	5016.79101	5128.73437	1.56041	ug/L	10/19/10	06:43	
CCV	2Mg	5.07280	5.01684	5.12876	1.56001	mg/L	10/19/10	06:43	
CCV	Mn	5107.57421	5093.47314	5121.67480	0.39043	ug/L	10/19/10	06:43	
CCV	Mo	484.13555	485.84078	482.43029	0.49812	ug/L	10/19/10	06:43	
CCV	Na	7717.94287	7536.48583	7899.39990	3.32496	ug/L	10/19/10	06:43	
CCV	Ni	2460.69677	2457.36035	2464.03344	0.19175	ug/L	10/19/10	06:43	
CCV	Pb	494.85455	495.29473	494.41433	0.12580	ug/L	10/19/10	06:43	
CCV	Se	4894.72167	4904.73828	4884.70556	0.28939	ug/L	10/19/10	06:43	
CCV	Sb	486.25030	486.31698	486.18362	0.01939	ug/L	10/19/10	06:43	
CCV	Sn	4909.49316	4900.94921	4918.03710	0.24611	ug/L	10/19/10	06:43	
CCV	Sr	2505.17749	2504.97973	2505.37524	0.01116	ug/L	10/19/10	06:43	
CCV	Ti	504.89831	505.08175	504.71487	0.05138	ug/L	10/19/10	06:43	
CCV	Tl	4881.55957	4883.49609	4879.62255	0.05610	ug/L	10/19/10	06:43	
CCV	V	5019.19726	5017.11132	5021.28320	0.05877	ug/L	10/19/10	06:43	
CCV	Zn	2445.08496	2440.51782	2449.65209	0.26415	ug/L	10/19/10	06:43	
CCV	2203/1	504.08331	503.78479	504.38186	0.08375	ug/L	10/19/10	06:43	
CCV	2203/2	490.24707	491.05609	489.43804	0.23337	ug/L	10/19/10	06:43	
CCV	1960/1	5038.50976	5042.25439	5034.76562	0.10509	ug/L	10/19/10	06:43	
CCV	1960/2	4822.93554	4836.08349	4809.78808	0.38552	ug/L	10/19/10	06:43	
CCV	Y	943.61846	941.48095	945.75598	0.32035		10/19/10	06:43	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	6.33261	-1.10136	13.76659	166.01736	ug/L	10/19/10	06:48	
CCB	Al	10.55538	-10.83941	31.95018	286.64810	ug/L	10/19/10	06:48	
CCB	2Al	0.01055	-0.01084	0.03195	286.64868	mg/L	10/19/10	06:48	
CCB	As	-0.50781	-1.83772	0.82210	370.36935	ug/L	10/19/10	06:48	
CCB	B	12.98078	11.68274	14.27882	14.14172	ug/L	10/19/10	06:48	
CCB	Ba	3.32412	0.49083	6.15741	120.53927	ug/L	10/19/10	06:48	
CCB	Be	0.29937	-0.02466	0.62341	153.07324	ug/L	10/19/10	06:48	
CCB	Ca	133.46365	16.20100	250.72631	124.25437	ug/L	10/19/10	06:48	
CCB	Cd	1.28848	0.22279	2.35417	116.96795	ug/L	10/19/10	06:48	
CCB	Co	0.90321	0.23825	1.56817	104.11602	ug/L	10/19/10	06:48	
CCB	Cr	1.25956	-0.28520	2.80432	173.44364	ug/L	10/19/10	06:48	
CCB	Cu	1.99378	-0.20788	4.19546	156.16670	ug/L	10/19/10	06:48	
CCB	Fe	96.04868	-12.90908	205.00645	160.42858	ug/L	10/19/10	06:48	
CCB	2Fe	0.09603	-0.01290	0.20498	160.42839	mg/L	10/19/10	06:48	
CCB	K	183.32968	3.82423	362.83514	138.47132	ug/L	10/19/10	06:48	
CCB	Mg	24.55992	-2.54730	51.66716	156.08927	ug/L	10/19/10	06:48	
CCB	2Mg	0.02454	-0.00254	0.05162	156.07894	mg/L	10/19/10	06:48	
CCB	Mn	12.17025	1.51984	22.82066	123.76037	ug/L	10/19/10	06:48	
CCB	Mo	2.98846	-3.30665	9.28359	297.90032	ug/L	10/19/10	06:48	
CCB	Na	626.69232	-18.18962	1271.57421	145.52607	ug/L	10/19/10	06:48	
CCB	Ni	5.70857	1.00751	10.40963	116.46158	ug/L	10/19/10	06:48	
CCB	Pb	-2.25511	1.14657	-5.65680	213.32466	ug/L	10/19/10	06:48	
CCB	Se	8.63797	-6.15265	23.42861	242.15293	ug/L	10/19/10	06:48	
CCB	Sb	19.77164	-4.86559	44.40888	176.22367	ug/L	10/19/10	06:48	
CCB	Sn	14.49670	-1.00899	30.00241	151.26454	ug/L	10/19/10	06:48	
CCB	Sr	1.42318	0.15914	2.68721	125.60732	ug/L	10/19/10	06:48	
CCB	Ti	1.90334	1.10486	2.70182	59.32823	ug/L	10/19/10	06:48	
CCB	Tl	16.21380	-6.30023	38.72784	196.37379	ug/L	10/19/10	06:48	
CCB	V	6.65193	-0.67548	13.97935	155.78231	ug/L	10/19/10	06:48	
CCB	Zn	2.00652	0.60509	3.40794	98.77382	ug/L	10/19/10	06:48	
CCB	2203/1	22.97289	-2.98869	48.93449	159.81976	ug/L	10/19/10	06:48	
CCB	2203/2	-14.85021	3.21110	-32.91153	172.00135	ug/L	10/19/10	06:48	
CCB	1960/1	35.86735	1.27045	70.46424	136.41207	ug/L	10/19/10	06:48	
CCB	1960/2	-4.95630	-9.85865	-0.05395	139.88195	ug/L	10/19/10	06:48	
CCB	Y	944.91442	939.11395	950.71496	0.86813		10/19/10	06:48	
PBW 182771	Ag	-0.37774	0.26835	-1.02384	241.89123	ug/L	10/19/10	06:53	
PBW 182771	Al	-10.30346	-8.94032	-11.66661	18.70998	ug/L	10/19/10	06:53	
PBW 182771	2Al	-0.01030	-0.00894	-0.01166	18.70991	mg/L	10/19/10	06:53	
PBW 182771	As	-1.36948	-2.92496	0.18599	160.62782	ug/L	10/19/10	06:53	
PBW 182771	B	4.48228	2.63361	6.33096	58.32778	ug/L	10/19/10	06:53	
PBW 182771	Ba	0.08364	0.14540	0.02188	104.41967	ug/L	10/19/10	06:53	
PBW 182771	Be	-0.01950	-0.01495	-0.02405	32.98895	ug/L	10/19/10	06:53	
PBW 182771	Ca	32.35550	32.68272	32.02829	1.43020	ug/L	10/19/10	06:53	
PBW 182771	Cd	-0.01920	0.26225	-0.30067	2072.46508	ug/L	10/19/10	06:53	
PBW 182771	Co	0.22466	-0.22698	0.67631	284.30252	ug/L	10/19/10	06:53	
PBW 182771	Cr	0.47877	0.19121	0.76633	84.94078	ug/L	10/19/10	06:53	
PBW 182771	Cu	1.43155	1.25386	1.60924	17.55359	ug/L	10/19/10	06:53	
PBW 182771	Fe	34.52165	33.90856	35.13475	2.51160	ug/L	10/19/10	06:53	
PBW 182771	2Fe	0.03451	0.03390	0.03513	2.51187	mg/L	10/19/10	06:53	
PBW 182771	K	17.34460	20.97502	13.71417	29.60112	ug/L	10/19/10	06:53	
PBW 182771	Mg	-1.02383	0.55753	-2.60520	218.43267	ug/L	10/19/10	06:53	
PBW 182771	2Mg	-0.00102	0.00055	-0.00261	217.21940	mg/L	10/19/10	06:53	
PBW 182771	Mn	0.57229	0.63949	0.50509	16.60633	ug/L	10/19/10	06:53	
PBW 182771	Mo	-0.79684	-1.58235	-0.01133	139.41030	ug/L	10/19/10	06:53	
PBW 182771	Na	165.74670	96.58840	234.90501	59.00847	ug/L	10/19/10	06:53	
PBW 182771	Ni	-1.15236	-1.08742	-1.21729	7.96884	ug/L	10/19/10	06:53	
PBW 182771	Pb	-1.31344	-2.05179	-0.57510	79.49897	ug/L	10/19/10	06:53	
PBW 182771	Se	-4.85943	-7.42534	-2.29352	74.67423	ug/L	10/19/10	06:53	
PBW 182771	Sb	-8.58616	-10.05889	-7.11342	24.25719	ug/L	10/19/10	06:53	
PBW 182771	Sn	14.99033	14.15016	15.83051	7.92634	ug/L	10/19/10	06:53	
PBW 182771	Sr	0.01559	-0.00882	0.04000	221.42213	ug/L	10/19/10	06:53	
PBW 182771	Ti	0.84664	0.97991	0.71336	22.26209	ug/L	10/19/10	06:53	
PBW 182771	Tl	-4.97409	-3.18877	-6.75940	50.75931	ug/L	10/19/10	06:53	
PBW 182771	V	-0.84752	-0.09914	-1.59590	124.87746	ug/L	10/19/10	06:53	
PBW 182771	Zn	4.64252	4.54055	4.74450	3.10635	ug/L	10/19/10	06:53	
PBW 182771	2203/1	0.00450	-1.12677	1.13578	35487.07031	ug/L	10/19/10	06:53	
PBW 182771	2203/2	-1.97143	-2.51360	-1.42926	38.89281	ug/L	10/19/10	06:53	
PBW 182771	1960/1	0.36056	-1.81036	2.53149	851.47723	ug/L	10/19/10	06:53	
PBW 182771	1960/2	-7.46552	-10.22863	-4.70241	52.34222	ug/L	10/19/10	06:53	
PBW 182771	Y	956.42993	956.30395	956.55596	0.01863		10/19/10	06:53	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	49.26708	48.93168	49.60248	0.96276	ug/L	10/19/10	06:59	
LCSW-1	Al	2145.12890	2145.62231	2144.63574	0.03252	ug/L	10/19/10	06:59	
LCSW-1	2Al	2.14505	2.14555	2.14456	0.03250	mg/L	10/19/10	06:59	
LCSW-1	As	2125.22973	2121.72583	2128.73364	0.23316	ug/L	10/19/10	06:59	
LCSW-1	B	1034.98876	1035.99938	1033.97802	0.13809	ug/L	10/19/10	06:59	
LCSW-1	Ba	2164.69091	2166.44360	2162.93798	0.11451	ug/L	10/19/10	06:59	
LCSW-1	Be	53.08509	53.11352	53.05665	0.07575	ug/L	10/19/10	06:59	
LCSW-1	Ca	5198.41210	5200.59228	5196.23242	0.05930	ug/L	10/19/10	06:59	
LCSW-1	Cd	52.60927	52.45469	52.76385	0.41554	ug/L	10/19/10	06:59	
LCSW-1	Co	541.29406	541.88372	540.70434	0.15406	ug/L	10/19/10	06:59	
LCSW-1	Cr	216.31713	215.73028	216.90397	0.38366	ug/L	10/19/10	06:59	
LCSW-1	Cu	270.97827	271.06170	270.89480	0.04355	ug/L	10/19/10	06:59	
LCSW-1	Fe	1101.78649	1096.53613	1107.03686	0.67391	ug/L	10/19/10	06:59	
LCSW-1	2Fe	1.10187	1.09662	1.10712	0.67376	mg/L	10/19/10	06:59	
LCSW-1	K	5095.15234	5096.78955	5093.51513	0.04544	ug/L	10/19/10	06:59	
LCSW-1	Mg	5299.38085	5299.74267	5299.01904	0.00965	ug/L	10/19/10	06:59	
LCSW-1	2Mg	5.29794	5.29830	5.29757	0.00968	mg/L	10/19/10	06:59	
LCSW-1	Mn	548.09863	548.40802	547.78924	0.07982	ug/L	10/19/10	06:59	
LCSW-1	Mo	510.18319	507.37963	512.98675	0.77713	ug/L	10/19/10	06:59	
LCSW-1	Na	5357.83984	5392.67529	5323.00390	0.91949	ug/L	10/19/10	06:59	
LCSW-1	Ni	533.77600	533.35882	534.19323	0.11053	ug/L	10/19/10	06:59	
LCSW-1	Pb	539.23712	537.71112	540.76312	0.40021	ug/L	10/19/10	06:59	
LCSW-1	Se	2128.63476	2132.30834	2124.96142	0.24405	ug/L	10/19/10	06:59	
LCSW-1	Sb	513.31072	511.64950	514.97198	0.45768	ug/L	10/19/10	06:59	
LCSW-1	Sn	1058.98693	1057.50891	1060.46496	0.19738	ug/L	10/19/10	06:59	
LCSW-1	Sr	525.62219	525.77923	525.46520	0.04224	ug/L	10/19/10	06:59	
LCSW-1	Ti	1039.50830	1039.72558	1039.29113	0.02955	ug/L	10/19/10	06:59	
LCSW-1	Tl	2165.81884	2172.86499	2158.77270	0.46009	ug/L	10/19/10	06:59	
LCSW-1	V	538.00683	536.40686	539.60687	0.42058	ug/L	10/19/10	06:59	
LCSW-1	Zn	541.12011	541.18792	541.05236	0.01771	ug/L	10/19/10	06:59	
LCSW-1	2203/1	544.73486	546.32324	543.14654	0.41235	ug/L	10/19/10	06:59	
LCSW-1	2203/2	536.49230	533.41149	539.57318	0.81212	ug/L	10/19/10	06:59	
LCSW-1	1960/1	2180.13671	2177.51049	2182.76269	0.17035	ug/L	10/19/10	06:59	
LCSW-1	1960/2	2102.92211	2109.74072	2096.10351	0.45855	ug/L	10/19/10	06:59	
LCSW-1	Y	962.63995	961.43395	963.84594	0.17717		10/19/10	06:59	
LCSW-2	Ag	49.12130	49.34921	48.89339	0.65615	ug/L	10/19/10	07:04	
LCSW-2	Al	2083.93945	2081.53125	2086.34790	0.16343	ug/L	10/19/10	07:04	
LCSW-2	2Al	2.08386	2.08145	2.08627	0.16347	mg/L	10/19/10	07:04	
LCSW-2	As	2061.87939	2058.36059	2065.39843	0.24135	ug/L	10/19/10	07:04	
LCSW-2	B	1003.69567	1006.41595	1000.97540	0.38328	ug/L	10/19/10	07:04	
LCSW-2	Ba	2107.50195	2108.70556	2106.29833	0.08076	ug/L	10/19/10	07:04	
LCSW-2	Be	51.54351	51.63921	51.44780	0.26258	ug/L	10/19/10	07:04	
LCSW-2	Ca	5047.79687	5049.17333	5046.42089	0.03855	ug/L	10/19/10	07:04	
LCSW-2	Cd	51.21253	50.81009	51.61496	1.11130	ug/L	10/19/10	07:04	
LCSW-2	Co	527.12982	526.81530	527.44433	0.08437	ug/L	10/19/10	07:04	
LCSW-2	Cr	210.29617	210.47015	210.12220	0.11699	ug/L	10/19/10	07:04	
LCSW-2	Cu	263.75982	264.41619	263.10348	0.35192	ug/L	10/19/10	07:04	
LCSW-2	Fe	1075.13195	1060.26647	1089.99743	1.95538	ug/L	10/19/10	07:04	
LCSW-2	2Fe	1.07521	1.06035	1.09008	1.95499	mg/L	10/19/10	07:04	
LCSW-2	K	4889.49609	4896.66210	4882.33007	0.20726	ug/L	10/19/10	07:04	
LCSW-2	Mg	5138.49218	5138.35302	5138.63134	0.00382	ug/L	10/19/10	07:04	
LCSW-2	2Mg	5.13709	5.13695	5.13723	0.00375	mg/L	10/19/10	07:04	
LCSW-2	Mn	531.87286	532.11749	531.62823	0.06504	ug/L	10/19/10	07:04	
LCSW-2	Mo	496.15481	497.96304	494.34658	0.51540	ug/L	10/19/10	07:04	
LCSW-2	Na	5150.60937	5238.50244	5062.71630	2.41329	ug/L	10/19/10	07:04	
LCSW-2	Ni	517.41979	519.27471	515.56488	0.50698	ug/L	10/19/10	07:04	
LCSW-2	Pb	518.80834	520.07574	517.54101	0.34546	ug/L	10/19/10	07:04	
LCSW-2	Se	2044.63305	2049.68725	2039.57885	0.34958	ug/L	10/19/10	07:04	
LCSW-2	Sb	500.54006	500.35583	500.72430	0.05205	ug/L	10/19/10	07:04	
LCSW-2	Sn	1027.55566	1024.31530	1030.79614	0.44597	ug/L	10/19/10	07:04	
LCSW-2	Sr	511.59887	511.65905	511.53872	0.01663	ug/L	10/19/10	07:04	
LCSW-2	Ti	1010.96856	1011.40246	1010.53466	0.06069	ug/L	10/19/10	07:04	
LCSW-2	Tl	2106.79589	2105.66308	2107.92895	0.07604	ug/L	10/19/10	07:04	
LCSW-2	V	522.21386	522.50231	521.92547	0.07810	ug/L	10/19/10	07:04	
LCSW-2	Zn	525.30944	525.21746	525.40142	0.02476	ug/L	10/19/10	07:04	
LCSW-2	2203/1	522.67352	525.21673	520.13031	0.68812	ug/L	10/19/10	07:04	
LCSW-2	2203/2	516.87866	517.50909	516.24829	0.17248	ug/L	10/19/10	07:04	
LCSW-2	1960/1	2103.86035	2111.00000	2096.72070	0.47992	ug/L	10/19/10	07:04	
LCSW-2	1960/2	2015.06311	2019.07604	2011.05017	0.28163	ug/L	10/19/10	07:04	
LCSW-2	Y	958.34246	956.89794	959.78698	0.21316		10/19/10	07:04	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-1	Ag	0.51071	0.93928	0.08215	118.67198	ug/L	10/19/10	07:09	
61970-1	Al	570.62402	567.69653	573.55151	0.72553	ug/L	10/19/10	07:09	
61970-1	2Al	0.57066	0.56773	0.57358	0.72554	mg/L	10/19/10	07:09	
61970-1	As	0.80858	4.06919	-2.45201	570.27764	ug/L	10/19/10	07:09	
61970-1	B	12.40083	13.42822	11.37344	11.71656	ug/L	10/19/10	07:09	
61970-1	Ba	53.80059	53.79883	53.80234	0.00461	ug/L	10/19/10	07:09	
61970-1	Be	0.00683	0.00677	0.00688	1.12799	ug/L	10/19/10	07:09	
61970-1	Ca	624.29479	626.47735	622.11218	0.49442	ug/L	10/19/10	07:09	
61970-1	Cd	-0.32754	-0.52194	-0.13313	83.93889	ug/L	10/19/10	07:09	
61970-1	Co	220.14816	219.80657	220.48974	0.21943	ug/L	10/19/10	07:09	
61970-1	Cr	13.79220	13.74385	13.84055	0.49580	ug/L	10/19/10	07:09	
61970-1	Cu	137.32174	137.38362	137.25988	0.06371	ug/L	10/19/10	07:09	
61970-1	Fe	27024.97460	27071.61523	26978.33398	0.24406	ug/L	10/19/10	07:09	
61970-1	2Fe	27.02095	27.06693	26.97498	0.24062	mg/L	10/19/10	07:09	
61970-1	K	62.29994	63.36448	61.23540	2.41651	ug/L	10/19/10	07:09	
61970-1	Mg	214.57878	213.00776	216.14979	1.03540	ug/L	10/19/10	07:09	
61970-1	2Mg	0.20977	0.20819	0.21135	1.06423	mg/L	10/19/10	07:09	
61970-1	Mn	23.78824	23.83924	23.73723	0.30323	ug/L	10/19/10	07:09	
61970-1	Mo	5.45936	4.21805	6.70068	32.15547	ug/L	10/19/10	07:09	
61970-1	Na	299.02752	281.76409	316.29095	8.16452	ug/L	10/19/10	07:09	
61970-1	Ni	7.38652	7.01587	7.75717	7.09644	ug/L	10/19/10	07:09	
61970-1	Pb	4.68665	3.25434	6.11897	43.22040	ug/L	10/19/10	07:09	
61970-1	Se	-0.73784	-3.52134	2.04565	533.50634	ug/L	10/19/10	07:09	
61970-1	Sb	-4.15579	-0.72707	-7.58451	116.67914	ug/L	10/19/10	07:09	
61970-1	Sn	75.50616	73.67573	77.33660	3.42835	ug/L	10/19/10	07:09	
61970-1	Sr	1.72864	1.72453	1.73276	0.33640	ug/L	10/19/10	07:09	
61970-1	Ti	7.77742	7.86994	7.68491	1.68230	ug/L	10/19/10	07:09	
61970-1	Tl	-1.26866	-2.86003	0.32271	177.39533	ug/L	10/19/10	07:09	
61970-1	V	1.77277	1.05632	2.48922	57.15429	ug/L	10/19/10	07:09	
61970-1	Zn	503.73980	505.18121	502.29843	0.40466	ug/L	10/19/10	07:09	
61970-1	2203/1	1.12738	3.96160	-1.70683	355.52972	ug/L	10/19/10	07:09	
61970-1	2203/2	6.46362	2.90125	10.02600	77.94326	ug/L	10/19/10	07:09	
61970-1	1960/1	-6.66556	-3.20880	-10.12232	73.34105	ug/L	10/19/10	07:09	
61970-1	1960/2	2.22156	-3.67738	8.12051	375.51766	ug/L	10/19/10	07:09	
61970-1	Y	961.24945	961.28094	961.21795	0.00463		10/19/10	07:09	
61970-2	Ag	1.92669	1.52346	2.32991	29.59699	ug/L	10/19/10	07:14	
61970-2	Al	5516.34228	5505.49462	5527.18994	0.27809	ug/L	10/19/10	07:14	
61970-2	2Al	5.51660	5.50564	5.52755	0.28082	mg/L	10/19/10	07:14	
61970-2	As	0.13617	-1.45439	1.72675	1651.82775	ug/L	10/19/10	07:14	
61970-2	B	73.20448	71.92626	74.48271	2.46936	ug/L	10/19/10	07:14	
61970-2	Ba	430.22369	429.84356	430.60385	0.12495	ug/L	10/19/10	07:14	
61970-2	Be	0.10641	0.05379	0.15904	69.93611	ug/L	10/19/10	07:14	
61970-2	Ca	97253.34375	97136.30468	97370.38281	0.17019	ug/L	10/19/10	07:14	
61970-2	Cd	3.44864	3.37660	3.52067	2.95414	ug/L	10/19/10	07:14	
61970-2	Co	390.66433	391.64434	389.68432	0.35476	ug/L	10/19/10	07:14	
61970-2	Cr	328.89727	329.11401	328.68054	0.09319	ug/L	10/19/10	07:14	
61970-2	Cu	90.46562	90.40204	90.52920	0.09939	ug/L	10/19/10	07:14	
61970-2	Fe	61760.54687	61698.40625	61822.68750	0.14229	ug/L	10/19/10	07:14	
61970-2	2Fe	61.75149	61.68801	61.81496	0.14536	mg/L	10/19/10	07:14	
61970-2	K	14208.65625	14165.69042	14251.62207	0.42764	ug/L	10/19/10	07:14	
61970-2	Mg	7999.93457	7996.33398	8003.53564	0.06365	ug/L	10/19/10	07:14	
61970-2	2Mg	7.98699	7.98340	7.99058	0.06353	mg/L	10/19/10	07:14	
61970-2	Mn	393.31829	393.21066	393.42596	0.03870	ug/L	10/19/10	07:14	
61970-2	Mo	3.12329	2.61127	3.63531	23.18413	ug/L	10/19/10	07:14	
61970-2	Na	18151.77929	18076.02929	18227.52929	0.59017	ug/L	10/19/10	07:14	
61970-2	Ni	24.00622	23.91463	24.09782	0.53957	ug/L	10/19/10	07:14	
61970-2	Pb	1517.19958	1518.13696	1516.26220	0.08737	ug/L	10/19/10	07:14	
61970-2	Se	-3.73433	-5.28419	-2.18447	58.69408	ug/L	10/19/10	07:14	
61970-2	Sb	15.12027	11.87950	18.36104	30.31124	ug/L	10/19/10	07:14	
61970-2	Sn	56.70926	54.31364	59.10487	5.97417	ug/L	10/19/10	07:14	
61970-2	Sr	93.69999	93.66979	93.73018	0.04557	ug/L	10/19/10	07:14	
61970-2	Ti	287.58587	287.18365	287.98809	0.19779	ug/L	10/19/10	07:14	
61970-2	Tl	-5.81151	-6.35626	-5.26675	13.25635	ug/L	10/19/10	07:14	
61970-2	V	10.54855	10.11316	10.98395	5.83723	ug/L	10/19/10	07:14	
61970-2	Zn	9161.94824	9152.97070	9170.92578	0.13857	ug/L	10/19/10	07:14	
61970-2	2203/1	1526.81860	1524.67932	1528.95788	0.19815	ug/L	10/19/10	07:14	
61970-2	2203/2	1512.39721	1514.87072	1509.92382	0.23128	ug/L	10/19/10	07:14	
61970-2	1960/1	-0.66708	-2.85106	1.51689	463.00411	ug/L	10/19/10	07:14	
61970-2	1960/2	-5.26565	-6.49893	-4.03238	33.12243	ug/L	10/19/10	07:14	
61970-2	Y	943.93798	943.03796	944.83795	0.13483		10/19/10	07:14	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-3	Ag	1.47264	1.19606	1.74922	26.56051	ug/L	10/19/10	07:20	
61970-3	Al	9700.66992	9698.23046	9703.11035	0.03557	ug/L	10/19/10	07:20	
61970-3	2Al	9.70089	9.69803	9.70375	0.04169	mg/L	10/19/10	07:20	
61970-3	As	2.00464	1.26940	2.73988	51.86886	ug/L	10/19/10	07:20	
61970-3	B	75.31744	74.33637	76.29852	1.84213	ug/L	10/19/10	07:20	
61970-3	Ba	76.82432	76.87314	76.77551	0.08986	ug/L	10/19/10	07:20	
61970-3	Be	0.13004	0.12518	0.13489	5.27936	ug/L	10/19/10	07:20	
61970-3	Ca	50407.18750	50420.61718	50393.75781	0.03767	ug/L	10/19/10	07:20	
61970-3	Cd	0.68346	0.40999	0.95692	56.58537	ug/L	10/19/10	07:20	
61970-3	Co	445.64263	446.01312	445.27215	0.11757	ug/L	10/19/10	07:20	
61970-3	Cr	66.77054	66.81317	66.72792	0.09028	ug/L	10/19/10	07:20	
61970-3	Cu	1620.46533	1622.26660	1618.66418	0.15719	ug/L	10/19/10	07:20	
61970-3	Fe	4873.95898	4861.07421	4886.84326	0.37385	ug/L	10/19/10	07:20	
61970-3	2Fe	4.87348	4.86060	4.88636	0.37385	mg/L	10/19/10	07:20	
61970-3	K	4339.24023	4341.08935	4337.39160	0.06025	ug/L	10/19/10	07:20	
61970-3	Mg	3849.43261	3851.88378	3846.98168	0.09004	ug/L	10/19/10	07:20	
61970-3	2Mg	3.84752	3.84997	3.84506	0.09014	mg/L	10/19/10	07:20	
61970-3	Mn	69.47082	69.31349	69.62815	0.32028	ug/L	10/19/10	07:20	
61970-3	Mo	10.73647	11.76241	9.71053	13.51369	ug/L	10/19/10	07:20	
61970-3	Na	12449.18750	12318.12402	12580.25097	1.48886	ug/L	10/19/10	07:20	
61970-3	Ni	6.70746	5.81618	7.59873	18.79184	ug/L	10/19/10	07:20	
61970-3	Pb	421.88488	422.05291	421.71685	0.05632	ug/L	10/19/10	07:20	
61970-3	Se	-3.77140	-3.40602	-4.13678	13.70113	ug/L	10/19/10	07:20	
61970-3	Sb	17.11066	16.42279	17.79852	5.68525	ug/L	10/19/10	07:20	
61970-3	Sn	149.42800	148.05407	150.80195	1.30032	ug/L	10/19/10	07:20	
61970-3	Sr	62.35331	62.40127	62.30536	0.10876	ug/L	10/19/10	07:20	
61970-3	Ti	306.15997	305.90078	306.41918	0.11973	ug/L	10/19/10	07:20	
61970-3	Tl	-1.55536	-6.02336	2.91263	406.25317	ug/L	10/19/10	07:20	
61970-3	V	5.31130	4.34369	6.27891	25.76396	ug/L	10/19/10	07:20	
61970-3	Zn	7052.47851	7053.65625	7051.30126	0.02361	ug/L	10/19/10	07:20	
61970-3	2203/1	430.32116	428.01895	432.62335	0.75659	ug/L	10/19/10	07:20	
61970-3	2203/2	417.67309	419.07437	416.27178	0.47446	ug/L	10/19/10	07:20	
61970-3	1960/1	-0.47869	-2.28428	1.32689	533.42608	ug/L	10/19/10	07:20	
61970-3	1960/2	-5.41529	-3.96605	-6.86452	37.84711	ug/L	10/19/10	07:20	
61970-3	Y	953.84246	953.23498	954.44995	0.09006		10/19/10	07:20	
61970-4	Ag	0.50540	1.17145	-0.16063	186.36952	ug/L	10/19/10	07:25	
61970-4	Al	13649.47460	13649.36425	13649.58496	0.00114	ug/L	10/19/10	07:25	
61970-4	2Al	13.64973	13.64962	13.64984	0.00114	mg/L	10/19/10	07:25	
61970-4	As	-0.38592	0.34081	-1.11265	266.31341	ug/L	10/19/10	07:25	
61970-4	B	24.99710	23.20079	26.79340	10.16260	ug/L	10/19/10	07:25	
61970-4	Ba	201.14639	201.25030	201.04248	0.07305	ug/L	10/19/10	07:25	
61970-4	Be	0.21998	0.23910	0.20086	12.29181	ug/L	10/19/10	07:25	
61970-4	Ca	439388.43750	439038.84375	439738.06250	0.11252	ug/L	10/19/10	07:25	
61970-4	Cd	0.76574	0.85734	0.67413	16.91835	ug/L	10/19/10	07:25	
61970-4	Co	443.92715	444.29815	443.55615	0.11818	ug/L	10/19/10	07:25	
61970-4	Cr	325.80221	325.84866	325.75576	0.02016	ug/L	10/19/10	07:25	
61970-4	Cu	28.28392	28.44443	28.12340	0.80259	ug/L	10/19/10	07:25	
61970-4	Fe	5691.40283	5700.26660	5682.53906	0.22024	ug/L	10/19/10	07:25	
61970-4	2Fe	5.69082	5.69968	5.68196	0.22023	mg/L	10/19/10	07:25	
61970-4	K	1668.75512	1678.06823	1659.44213	0.78924	ug/L	10/19/10	07:25	
61970-4	Mg	13745.87988	13768.73144	13723.02832	0.23510	ug/L	10/19/10	07:25	
61970-4	2Mg	13.74112	13.76396	13.71828	0.23510	mg/L	10/19/10	07:25	
61970-4	Mn	275.67599	275.82513	275.52685	0.07650	ug/L	10/19/10	07:25	
61970-4	Mo	-1.39430	-1.34759	-1.44101	4.73806	ug/L	10/19/10	07:25	
61970-4	Na	4381.45117	4525.73730	4237.16455	4.65717	ug/L	10/19/10	07:25	
61970-4	Ni	26.50309	26.55237	26.45382	0.26291	ug/L	10/19/10	07:25	
61970-4	Pb	2700.09179	2703.25659	2696.92700	0.16576	ug/L	10/19/10	07:25	
61970-4	Se	-5.57934	-4.16512	-6.99355	35.84660	ug/L	10/19/10	07:25	
61970-4	Sb	-1.15993	-1.04603	-1.27382	13.88625	ug/L	10/19/10	07:25	
61970-4	Sn	45.75308	46.44903	45.05713	2.15116	ug/L	10/19/10	07:25	
61970-4	Sr	413.86761	414.09347	413.64178	0.07717	ug/L	10/19/10	07:25	
61970-4	Ti	1535.76074	1534.99755	1536.52380	0.07027	ug/L	10/19/10	07:25	
61970-4	Tl	-0.96261	-1.41611	-0.50911	66.62548	ug/L	10/19/10	07:25	
61970-4	V	16.91783	17.80023	16.03543	7.37622	ug/L	10/19/10	07:25	
61970-4	Zn	3301.64257	3305.68237	3297.60302	0.17303	ug/L	10/19/10	07:25	
61970-4	2203/1	2716.13281	2721.60107	2710.66479	0.28471	ug/L	10/19/10	07:25	
61970-4	2203/2	2692.08349	2694.09814	2690.06860	0.10584	ug/L	10/19/10	07:25	
61970-4	1960/1	-1.92255	4.83489	-8.67999	497.07205	ug/L	10/19/10	07:25	
61970-4	1960/2	-7.40499	-8.65838	-6.15160	23.93741	ug/L	10/19/10	07:25	
61970-4	Y	928.42651	927.87298	928.97998	0.08431		10/19/10	07:25	

9101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	503.60137	505.00173	502.20101	0.39324	ug/L	10/19/10	07:31	
CCV	Al	5080.33789	5088.30810	5072.36718	0.22187	ug/L	10/19/10	07:31	
CCV	2Al	5.08052	5.08839	5.07265	0.21895	mg/L	10/19/10	07:31	
CCV	As	503.26834	500.94107	505.59561	0.65397	ug/L	10/19/10	07:31	
CCV	B	5007.32128	5016.95458	4997.68750	0.27207	ug/L	10/19/10	07:31	
CCV	Ba	5022.90332	5031.79150	5014.01562	0.25024	ug/L	10/19/10	07:31	
CCV	Be	500.08032	500.57379	499.58685	0.13955	ug/L	10/19/10	07:31	
CCV	Ca	4956.46582	4937.30761	4975.62353	0.54662	ug/L	10/19/10	07:31	
CCV	Cd	491.44113	492.19894	490.68331	0.21807	ug/L	10/19/10	07:31	
CCV	Co	503.13702	504.00720	502.26687	0.24458	ug/L	10/19/10	07:31	
CCV	Cr	5007.69335	5012.96630	5002.42089	0.14890	ug/L	10/19/10	07:31	
CCV	Cu	5063.58886	5074.16650	5053.01171	0.29541	ug/L	10/19/10	07:31	
CCV	Fe	4974.47070	4995.88574	4953.05615	0.60881	ug/L	10/19/10	07:31	
CCV	2Fe	4.97448	4.99589	4.95306	0.60877	mg/L	10/19/10	07:31	
CCV	K	10097.36816	10101.31933	10093.41699	0.05533	ug/L	10/19/10	07:31	
CCV	Mg	5102.25244	5106.12402	5098.38085	0.10731	ug/L	10/19/10	07:31	
CCV	2Mg	5.10226	5.10613	5.09839	0.10725	mg/L	10/19/10	07:31	
CCV	Mn	5081.06494	5087.34863	5074.78125	0.17489	ug/L	10/19/10	07:31	
CCV	Mo	489.36972	488.33270	490.40673	0.29968	ug/L	10/19/10	07:31	
CCV	Na	7539.30468	7601.64990	7476.95996	1.16945	ug/L	10/19/10	07:31	
CCV	Ni	2504.84326	2509.90234	2499.78417	0.28563	ug/L	10/19/10	07:31	
CCV	Pb	505.14599	505.32153	504.97048	0.04913	ug/L	10/19/10	07:31	
CCV	Se	4944.74169	4932.05371	4957.42968	0.36288	ug/L	10/19/10	07:31	
CCV	Sb	495.52966	493.77243	497.28689	0.50150	ug/L	10/19/10	07:31	
CCV	Sn	4996.14648	5001.24169	4991.05175	0.14421	ug/L	10/19/10	07:31	
CCV	Sr	2514.09716	2516.34619	2511.84790	0.12651	ug/L	10/19/10	07:31	
CCV	Ti	499.19360	499.62991	498.75726	0.12361	ug/L	10/19/10	07:31	
CCV	Tl	4957.06640	4963.41943	4950.71386	0.18124	ug/L	10/19/10	07:31	
CCV	V	5061.16894	5071.96630	5050.37207	0.30169	ug/L	10/19/10	07:31	
CCV	Zn	2497.65039	2500.47924	2494.82153	0.16017	ug/L	10/19/10	07:31	
CCV	2203/1	513.49987	513.86718	513.13256	0.10115	ug/L	10/19/10	07:31	
CCV	2203/2	500.97531	501.05508	500.89553	0.02251	ug/L	10/19/10	07:31	
CCV	1960/1	5068.36328	5058.30273	5078.42431	0.28072	ug/L	10/19/10	07:31	
CCV	1960/2	4883.02343	4869.02392	4897.02294	0.40545	ug/L	10/19/10	07:31	
CCV	Y	956.00695	957.67193	954.34197	0.24629		10/19/10	07:31	
CCB	Ag	0.11526	1.24961	-1.01909	1391.81115	ug/L	10/19/10	07:38	
CCB	Al	-10.50012	-8.81868	-12.18155	22.64648	ug/L	10/19/10	07:38	
CCB	2Al	-0.01050	-0.00881	-0.01218	22.64655	mg/L	10/19/10	07:38	
CCB	As	1.01241	-0.71913	2.74397	241.87535	ug/L	10/19/10	07:38	
CCB	B	5.29001	6.54036	4.03967	33.42618	ug/L	10/19/10	07:38	
CCB	Ba	0.85970	0.37660	1.34279	79.47013	ug/L	10/19/10	07:38	
CCB	Be	0.09924	0.06108	0.13741	54.37761	ug/L	10/19/10	07:38	
CCB	Ca	12.78586	5.35710	20.21463	82.16777	ug/L	10/19/10	07:38	
CCB	Cd	0.28515	0.26243	0.30787	11.26699	ug/L	10/19/10	07:38	
CCB	Co	-0.17070	-0.22221	-0.11919	42.67438	ug/L	10/19/10	07:38	
CCB	Cr	0.52171	-0.14515	1.18858	180.76942	ug/L	10/19/10	07:38	
CCB	Cu	0.54256	0.51572	0.56940	6.99549	ug/L	10/19/10	07:38	
CCB	Fe	8.73654	24.60195	-7.12887	256.81890	ug/L	10/19/10	07:38	
CCB	2Fe	0.00873	0.02459	-0.00712	256.81768	mg/L	10/19/10	07:38	
CCB	K	22.72342	30.19873	15.24810	46.52332	ug/L	10/19/10	07:38	
CCB	Mg	-7.34696	-8.92556	-5.76836	30.38644	ug/L	10/19/10	07:38	
CCB	2Mg	-0.00734	-0.00892	-0.00576	30.44004	mg/L	10/19/10	07:38	
CCB	Mn	0.50875	-0.09047	1.10798	166.57203	ug/L	10/19/10	07:38	
CCB	Mo	-0.28808	-0.84090	0.26473	271.37811	ug/L	10/19/10	07:38	
CCB	Na	101.38988	176.43896	26.34080	104.68048	ug/L	10/19/10	07:38	
CCB	Ni	0.17678	-0.06746	0.42103	195.38784	ug/L	10/19/10	07:38	
CCB	Pb	-0.82125	-0.93794	-0.70457	20.09271	ug/L	10/19/10	07:38	
CCB	Se	6.35695	3.73311	8.98079	58.37180	ug/L	10/19/10	07:38	
CCB	Sb	-0.95708	-3.12190	1.20773	319.87960	ug/L	10/19/10	07:38	
CCB	Sn	3.40379	4.72562	2.08195	54.91979	ug/L	10/19/10	07:38	
CCB	Sr	0.27803	-0.00908	0.56516	146.04283	ug/L	10/19/10	07:38	
CCB	Ti	-0.23092	-0.21831	-0.24353	7.72212	ug/L	10/19/10	07:38	
CCB	Tl	1.69926	-0.84464	4.24318	211.71708	ug/L	10/19/10	07:38	
CCB	V	1.02405	1.21028	0.83781	25.71909	ug/L	10/19/10	07:38	
CCB	Zn	0.61598	0.04015	1.19181	132.20175	ug/L	10/19/10	07:38	
CCB	2203/1	3.39567	6.89793	-0.10658	145.86041	ug/L	10/19/10	07:38	
CCB	2203/2	-2.92656	-4.85000	-1.00312	92.94701	ug/L	10/19/10	07:38	
CCB	1960/1	11.89494	12.53306	11.25681	7.58681	ug/L	10/19/10	07:38	
CCB	1960/2	3.59211	-0.66026	7.84448	167.41592	ug/L	10/19/10	07:38	
CCB	Y	960.40344	958.53594	962.27093	0.27499		10/19/10	07:38	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-5	Ag	1.72117	1.84485	1.59750	10.16163	ug/L	10/19/10	07:43	
61970-5	Al	41645.74218	41583.92578	41707.56250	0.20992	ug/L	10/19/10	07:43	
61970-5	2Al	41.64669	41.58583	41.70755	0.20666	mg/L	10/19/10	07:43	
61970-5	As	-2.03323	-1.58454	-2.48192	31.20855	ug/L	10/19/10	07:43	
61970-5	B	57.68032	58.22062	57.14002	1.32471	ug/L	10/19/10	07:43	
61970-5	Ba	592.40661	592.58190	592.23126	0.04185	ug/L	10/19/10	07:43	
61970-5	Be	0.39937	0.40425	0.39449	1.72885	ug/L	10/19/10	07:43	
61970-5	Ca	430006.93750	429751.43750	430262.40625	0.08402	ug/L	10/19/10	07:43	
61970-5	Cd	0.67514	0.83288	0.51741	33.03996	ug/L	10/19/10	07:43	
61970-5	Co	312.07733	311.52743	312.62725	0.24919	ug/L	10/19/10	07:43	
61970-5	Cr	115.05771	114.87570	115.23973	0.22372	ug/L	10/19/10	07:43	
61970-5	Cu	29.67251	28.63131	30.71370	4.96239	ug/L	10/19/10	07:43	
61970-5	Fe	9177.83789	9173.96875	9181.70800	0.05962	ug/L	10/19/10	07:43	
61970-5	2Fe	9.17677	9.17290	9.18064	0.05962	mg/L	10/19/10	07:43	
61970-5	K	6463.29003	6456.21435	6470.36523	0.15481	ug/L	10/19/10	07:43	
61970-5	Mg	18756.37500	18751.62500	18761.12304	0.03580	ug/L	10/19/10	07:43	
61970-5	2Mg	18.74958	18.74483	18.75432	0.03580	mg/L	10/19/10	07:43	
61970-5	Mn	246.88906	246.89962	246.87850	0.00604	ug/L	10/19/10	07:43	
61970-5	Mo	0.03389	0.08105	-0.01325	196.73039	ug/L	10/19/10	07:43	
61970-5	Na	13594.45214	13593.17578	13595.72851	0.01327	ug/L	10/19/10	07:43	
61970-5	Ni	14.03849	14.20747	13.86951	1.70230	ug/L	10/19/10	07:43	
61970-5	Pb	1334.71862	1334.75109	1334.68615	0.00344	ug/L	10/19/10	07:43	
61970-5	Se	4.84628	3.34522	6.34733	43.80292	ug/L	10/19/10	07:43	
61970-5	Sb	1.09152	4.14496	-1.96191	395.61401	ug/L	10/19/10	07:43	
61970-5	Sn	38.07729	39.98090	36.17369	7.07010	ug/L	10/19/10	07:43	
61970-5	Sr	555.83508	554.78906	556.88110	0.26613	ug/L	10/19/10	07:43	
61970-5	Ti	4368.29345	4365.13769	4371.44921	0.10216	ug/L	10/19/10	07:43	
61970-5	Tl	0.07586	-0.62473	0.77646	1306.00830	ug/L	10/19/10	07:43	
61970-5	V	38.87485	38.96570	38.78400	0.33051	ug/L	10/19/10	07:43	
61970-5	Zn	15989.48046	15990.08203	15988.87988	0.00531	ug/L	10/19/10	07:43	
61970-5	2203/1	1349.54443	1350.17651	1348.91247	0.06623	ug/L	10/19/10	07:43	
61970-5	2203/2	1327.31677	1327.04992	1327.58361	0.02843	ug/L	10/19/10	07:43	
61970-5	1960/1	10.23541	8.14092	12.32990	28.93927	ug/L	10/19/10	07:43	
61970-5	1960/2	2.15575	0.95097	3.36054	79.03588	ug/L	10/19/10	07:43	
61970-5	Y	937.89892	938.78094	937.01696	0.13299		10/19/10	07:43	
61970-6	Ag	2.47125	3.21296	1.72955	42.44520	ug/L	10/19/10	07:48	
61970-6	Al	6197.20703	6204.46093	6189.95361	0.16552	ug/L	10/19/10	07:48	
61970-6	2Al	6.19709	6.20445	6.18974	0.16788	mg/L	10/19/10	07:48	
61970-6	As	3.19000	5.06164	1.31836	82.97485	ug/L	10/19/10	07:48	
61970-6	B	68.13369	66.55877	69.70861	3.26896	ug/L	10/19/10	07:48	
61970-6	Ba	664.49841	664.68530	664.31146	0.03978	ug/L	10/19/10	07:48	
61970-6	Be	0.21202	0.22063	0.20340	5.74852	ug/L	10/19/10	07:48	
61970-6	Ca	55674.18750	55675.41015	55672.96875	0.00310	ug/L	10/19/10	07:48	
61970-6	Cd	8.07242	8.02178	8.12306	0.88719	ug/L	10/19/10	07:48	
61970-6	Co	583.56750	583.52294	583.61199	0.01079	ug/L	10/19/10	07:48	
61970-6	Cr	373.60757	373.36303	373.85211	0.09256	ug/L	10/19/10	07:48	
61970-6	Cu	100.73107	100.88937	100.57276	0.22224	ug/L	10/19/10	07:48	
61970-6	Fe	57731.55468	57731.67187	57731.43750	0.00028	ug/L	10/19/10	07:48	
61970-6	2Fe	57.71980	57.72056	57.71903	0.00187	mg/L	10/19/10	07:48	
61970-6	K	2629.55468	2638.00463	2621.10473	0.45445	ug/L	10/19/10	07:48	
61970-6	Mg	1959.99731	1952.62048	1967.37426	0.53227	ug/L	10/19/10	07:48	
61970-6	2Mg	1.94948	1.94211	1.95686	0.53499	mg/L	10/19/10	07:48	
61970-6	Mn	424.70672	424.66064	424.75283	0.01534	ug/L	10/19/10	07:48	
61970-6	Mo	7.34583	8.74386	5.94780	26.91469	ug/L	10/19/10	07:48	
61970-6	Na	3658.03613	3765.52246	3550.55004	4.15546	ug/L	10/19/10	07:48	
61970-6	Ni	20.81899	20.63113	21.00685	1.27613	ug/L	10/19/10	07:48	
61970-6	Pb	6449.56640	6445.89501	6453.23730	0.08049	ug/L	10/19/10	07:48	
61970-6	Se	-1.27551	-2.29498	-0.25603	113.03381	ug/L	10/19/10	07:48	
61970-6	Sb	1.20539	3.77177	-1.36099	301.09860	ug/L	10/19/10	07:48	
61970-6	Sn	68.20708	68.25296	68.16120	0.09511	ug/L	10/19/10	07:48	
61970-6	Sr	63.94953	63.90549	63.99357	0.09740	ug/L	10/19/10	07:48	
61970-6	Ti	1090.13012	1090.35595	1089.90429	0.02929	ug/L	10/19/10	07:48	
61970-6	Tl	-6.95910	-6.44095	-7.47726	10.52981	ug/L	10/19/10	07:48	
61970-6	V	9.66872	9.75134	9.58610	1.20846	ug/L	10/19/10	07:48	
61970-6	Zn	13007.97851	13011.09472	13004.86328	0.03387	ug/L	10/19/10	07:48	
61970-6	2203/1	6493.90136	6491.87255	6495.93066	0.04418	ug/L	10/19/10	07:48	
61970-6	2203/2	6427.43164	6422.94042	6431.92285	0.09881	ug/L	10/19/10	07:48	
61970-6	1960/1	7.75360	5.52571	9.98149	40.63545	ug/L	10/19/10	07:48	
61970-6	1960/2	-5.78329	-6.19947	-5.36712	10.17691	ug/L	10/19/10	07:48	
61970-6	Y	961.50146	958.94097	964.06195	0.37660		10/19/10	07:48	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-7	Ag	1.82741	1.00354	2.65128	63.75854	ug/L	10/19/10	07:54	
61970-7	Al	4563.85449	4565.69091	4562.01806	0.05690	ug/L	10/19/10	07:54	
61970-7	2Al	4.56405	4.56578	4.56232	0.05367	mg/L	10/19/10	07:54	
61970-7	As	3.98026	6.40579	1.55473	86.18074	ug/L	10/19/10	07:54	
61970-7	B	4.40416	4.82697	3.98135	13.57683	ug/L	10/19/10	07:54	
61970-7	Ba	8.31841	8.15488	8.48194	2.78013	ug/L	10/19/10	07:54	
61970-7	Be	0.05738	0.04257	0.07218	36.48682	ug/L	10/19/10	07:54	
61970-7	Ca	93973.17187	93879.79687	94066.54687	0.14052	ug/L	10/19/10	07:54	
61970-7	Cd	-0.04317	-0.30040	0.21404	842.46215	ug/L	10/19/10	07:54	
61970-7	Co	1.15485	1.27094	1.03876	14.21637	ug/L	10/19/10	07:54	
61970-7	Cr	4.34530	4.59197	4.09863	8.02816	ug/L	10/19/10	07:54	
61970-7	Cu	26.18934	26.15725	26.22143	0.17330	ug/L	10/19/10	07:54	
61970-7	Fe	968.24731	950.65081	985.84381	2.57012	ug/L	10/19/10	07:54	
61970-7	2Fe	0.96812	0.95053	0.98571	2.57012	mg/L	10/19/10	07:54	
61970-7	K	659.84826	652.44580	667.25073	1.58652	ug/L	10/19/10	07:54	
61970-7	Mg	1713.03381	1712.69384	1713.37377	0.02806	ug/L	10/19/10	07:54	
61970-7	2Mg	1.71239	1.71205	1.71272	0.02781	mg/L	10/19/10	07:54	
61970-7	Mn	22.73063	22.80521	22.65605	0.46400	ug/L	10/19/10	07:54	
61970-7	Mo	0.49322	-0.65623	1.64267	329.58212	ug/L	10/19/10	07:54	
61970-7	Na	1072.57348	959.20330	1185.94360	14.94812	ug/L	10/19/10	07:54	
61970-7	Ni	2.18456	2.08579	2.28334	6.39439	ug/L	10/19/10	07:54	
61970-7	Pb	17.29999	18.15209	16.44789	6.96560	ug/L	10/19/10	07:54	
61970-7	Se	1.90001	2.07668	1.72333	13.15054	ug/L	10/19/10	07:54	
61970-7	Sb	-0.06632	-3.38173	3.24909	7069.76074	ug/L	10/19/10	07:54	
61970-7	Sn	17.93260	17.52236	18.34284	3.23524	ug/L	10/19/10	07:54	
61970-7	Sr	50.67399	50.57865	50.76934	0.26609	ug/L	10/19/10	07:54	
61970-7	Ti	482.22888	482.59091	481.86682	0.10617	ug/L	10/19/10	07:54	
61970-7	Tl	1.03252	1.27734	0.78770	33.53192	ug/L	10/19/10	07:54	
61970-7	V	1.83108	1.39919	2.26298	33.35704	ug/L	10/19/10	07:54	
61970-7	Zn	65.33381	65.03449	65.63313	0.64790	ug/L	10/19/10	07:54	
61970-7	2203/1	21.49552	21.45674	21.53429	0.25510	ug/L	10/19/10	07:54	
61970-7	2203/2	15.20537	16.50224	13.90851	12.06182	ug/L	10/19/10	07:54	
61970-7	1960/1	9.16436	7.14599	11.18273	31.14682	ug/L	10/19/10	07:54	
61970-7	1960/2	-1.72671	-0.45416	-2.99927	104.22469	ug/L	10/19/10	07:54	
61970-7	Y	960.47546	958.90496	962.04595	0.23124		10/19/10	07:54	
61970-8	Ag	1.60299	1.60081	1.60516	0.19213	ug/L	10/19/10	07:59	
61970-8	Al	5467.39257	5461.35400	5473.43066	0.15618	ug/L	10/19/10	07:59	
61970-8	2Al	5.46734	5.46150	5.47317	0.15082	mg/L	10/19/10	07:59	
61970-8	As	-2.17556	-2.69006	-1.66105	33.44498	ug/L	10/19/10	07:59	
61970-8	B	4.10240	5.45865	2.74615	46.75376	ug/L	10/19/10	07:59	
61970-8	Ba	1068.83496	1068.70727	1068.96252	0.01688	ug/L	10/19/10	07:59	
61970-8	Be	0.06005	0.06519	0.05491	12.11051	ug/L	10/19/10	07:59	
61970-8	Ca	5528.34326	5529.82617	5526.86035	0.03793	ug/L	10/19/10	07:59	
61970-8	Cd	0.05040	-0.30948	0.41029	1009.72131	ug/L	10/19/10	07:59	
61970-8	Co	1.46855	1.23308	1.70402	22.67576	ug/L	10/19/10	07:59	
61970-8	Cr	3.88796	3.83522	3.94071	1.91849	ug/L	10/19/10	07:59	
61970-8	Cu	7.63328	6.97092	8.29564	12.27151	ug/L	10/19/10	07:59	
61970-8	Fe	2150.99975	2161.58056	2140.41894	0.69565	ug/L	10/19/10	07:59	
61970-8	2Fe	2.15072	2.16130	2.14014	0.69563	mg/L	10/19/10	07:59	
61970-8	K	1108.46594	1103.77453	1113.15734	0.59854	ug/L	10/19/10	07:59	
61970-8	Mg	517.10052	516.47937	517.72167	0.16987	ug/L	10/19/10	07:59	
61970-8	2Mg	0.51658	0.51596	0.51720	0.17051	mg/L	10/19/10	07:59	
61970-8	Mn	15.63966	15.59860	15.68073	0.37133	ug/L	10/19/10	07:59	
61970-8	Mo	-1.47284	-2.01965	-0.92603	52.50456	ug/L	10/19/10	07:59	
61970-8	Na	1494.69238	1493.40270	1495.98205	0.12202	ug/L	10/19/10	07:59	
61970-8	Ni	4.34363	4.29639	4.39086	1.53794	ug/L	10/19/10	07:59	
61970-8	Pb	5.93110	5.35506	6.50715	13.73519	ug/L	10/19/10	07:59	
61970-8	Se	1.62961	1.01180	2.24742	53.61454	ug/L	10/19/10	07:59	
61970-8	Sb	-5.46618	-4.97727	-5.95510	12.64927	ug/L	10/19/10	07:59	
61970-8	Sn	16.80526	12.74000	20.87053	34.21042	ug/L	10/19/10	07:59	
61970-8	Sr	18.32125	18.32747	18.31502	0.04803	ug/L	10/19/10	07:59	
61970-8	Ti	489.97262	490.31124	489.63400	0.09773	ug/L	10/19/10	07:59	
61970-8	Tl	-2.83645	-3.54777	-2.12513	35.46537	ug/L	10/19/10	07:59	
61970-8	V	1.71304	1.30731	2.11877	33.49522	ug/L	10/19/10	07:59	
61970-8	Zn	68.16708	67.88288	68.45127	0.58959	ug/L	10/19/10	07:59	
61970-8	2203/1	8.42525	6.99624	9.85427	23.98653	ug/L	10/19/10	07:59	
61970-8	2203/2	4.68589	4.53570	4.83609	4.53305	ug/L	10/19/10	07:59	
61970-8	1960/1	4.93223	2.47703	7.38743	70.39769	ug/L	10/19/10	07:59	
61970-8	1960/2	-0.01921	0.28029	-0.31872	2204.47778	ug/L	10/19/10	07:59	
61970-8	Y	966.41992	967.57196	965.26794	0.16857		10/19/10	07:59	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-9	Ag	0.20336	-0.22398	0.63070	297.18783	ug/L	10/19/10	08:04	
61970-9	Al	3195.91088	3197.64086	3194.18090	0.07655	ug/L	10/19/10	08:04	
61970-9	2Al	3.19591	3.19785	3.19397	0.08575	mg/L	10/19/10	08:04	
61970-9	As	8.20743	6.57475	9.84011	28.13249	ug/L	10/19/10	08:04	
61970-9	B	6.52617	5.52021	7.53212	21.79891	ug/L	10/19/10	08:04	
61970-9	Ba	7.21819	7.25852	7.17786	0.79011	ug/L	10/19/10	08:04	
61970-9	Be	0.04902	0.04372	0.05431	15.27644	ug/L	10/19/10	08:04	
61970-9	Ca	4966.17675	4965.51123	4966.84228	0.01895	ug/L	10/19/10	08:04	
61970-9	Cd	0.08628	-0.11925	0.29181	336.88992	ug/L	10/19/10	08:04	
61970-9	Co	9.86887	10.16466	9.57307	4.23875	ug/L	10/19/10	08:04	
61970-9	Cr	2.18835	1.81083	2.56587	24.39708	ug/L	10/19/10	08:04	
61970-9	Cu	5.34596	5.07587	5.61606	7.14499	ug/L	10/19/10	08:04	
61970-9	Fe	606.93688	599.18438	614.68945	1.80640	ug/L	10/19/10	08:04	
61970-9	2Fe	0.60686	0.59911	0.61461	1.80635	mg/L	10/19/10	08:04	
61970-9	K	269.27584	268.10314	270.44854	0.61589	ug/L	10/19/10	08:04	
61970-9	Mg	288.00695	283.69726	292.31661	2.11620	ug/L	10/19/10	08:04	
61970-9	2Mg	0.28782	0.28351	0.29213	2.11628	mg/L	10/19/10	08:04	
61970-9	Mn	11.50728	11.46426	11.55031	0.52871	ug/L	10/19/10	08:04	
61970-9	Mo	-1.38768	-1.38969	-1.38567	0.20500	ug/L	10/19/10	08:04	
61970-9	Na	365.35543	285.30532	445.40554	30.98570	ug/L	10/19/10	08:04	
61970-9	Ni	25.58371	25.74792	25.41950	0.90773	ug/L	10/19/10	08:04	
61970-9	Pb	2.38545	-1.01090	5.78181	201.35264	ug/L	10/19/10	08:04	
61970-9	Se	5.65553	3.13979	8.17127	62.90825	ug/L	10/19/10	08:04	
61970-9	Sb	-2.77407	-3.93938	-1.60877	59.40684	ug/L	10/19/10	08:04	
61970-9	Sn	17.43336	18.85243	16.01428	11.51167	ug/L	10/19/10	08:04	
61970-9	Sr	4.14476	4.05756	4.23195	2.97516	ug/L	10/19/10	08:04	
61970-9	Ti	223.74304	223.48040	224.00569	0.16600	ug/L	10/19/10	08:04	
61970-9	Tl	-6.66093	-9.31952	-4.00234	56.44568	ug/L	10/19/10	08:04	
61970-9	V	1.61138	2.20177	1.02099	51.81489	ug/L	10/19/10	08:04	
61970-9	Zn	170.19598	170.29371	170.09825	0.08120	ug/L	10/19/10	08:04	
61970-9	2203/1	6.12010	3.52372	8.71648	59.99637	ug/L	10/19/10	08:04	
61970-9	2203/2	0.52093	-3.27481	4.31667	1030.46350	ug/L	10/19/10	08:04	
61970-9	1960/1	4.70005	4.43353	4.96656	8.01918	ug/L	10/19/10	08:04	
61970-9	1960/2	6.13256	2.49388	9.77123	83.91046	ug/L	10/19/10	08:04	
61970-9	Y	962.71643	961.39794	964.03497	0.19368		10/19/10	08:04	
61970-10	Ag	0.25497	-0.22398	0.73394	265.65484	ug/L	10/19/10	08:09	
61970-10	Al	53462.39843	53404.44921	53520.35156	0.15329	ug/L	10/19/10	08:09	
61970-10	2Al	53.46399	53.40669	53.52129	0.15156	mg/L	10/19/10	08:09	
61970-10	As	0.70584	2.37598	-0.96428	334.62200	ug/L	10/19/10	08:09	
61970-10	B	133.55894	130.71505	136.40283	3.01130	ug/L	10/19/10	08:09	
61970-10	Ba	3387.33203	3387.62573	3387.03808	0.01226	ug/L	10/19/10	08:09	
61970-10	Be	0.45625	0.42221	0.49029	10.55178	ug/L	10/19/10	08:09	
61970-10	Ca	1018500.37500	1018402.81250	1018597.87500	0.01354	ug/L	10/19/10	08:09	
61970-10	Cd	2.70300	2.81324	2.59276	5.76761	ug/L	10/19/10	08:09	
61970-10	Co	4.43241	4.90801	3.95682	15.17440	ug/L	10/19/10	08:09	
61970-10	Cr	21.41405	21.54606	21.28203	0.87184	ug/L	10/19/10	08:09	
61970-10	Cu	53.27040	53.22163	53.31918	0.12948	ug/L	10/19/10	08:09	
61970-10	Fe	36479.63671	36498.40625	36460.86718	0.07276	ug/L	10/19/10	08:09	
61970-10	2Fe	36.47433	36.49378	36.45487	0.07543	mg/L	10/19/10	08:09	
61970-10	K	9618.91015	9588.92089	9648.89843	0.44090	ug/L	10/19/10	08:09	
61970-10	Mg	18696.79687	18696.86914	18696.72656	0.00053	ug/L	10/19/10	08:09	
61970-10	2Mg	18.68523	18.68530	18.68517	0.00050	mg/L	10/19/10	08:09	
61970-10	Mn	291.35394	291.62677	291.08114	0.13242	ug/L	10/19/10	08:09	
61970-10	Mo	2.23790	1.03848	3.43732	75.79572	ug/L	10/19/10	08:09	
61970-10	Na	12828.93652	12794.32128	12863.55175	0.38158	ug/L	10/19/10	08:09	
61970-10	Ni	20.98453	20.17832	21.79074	5.43330	ug/L	10/19/10	08:09	
61970-10	Pb	31.89885	29.75062	34.04707	9.52399	ug/L	10/19/10	08:09	
61970-10	Se	5.63740	2.31800	8.95680	83.27127	ug/L	10/19/10	08:09	
61970-10	Sb	0.05972	-4.32990	4.44935	10393.72167	ug/L	10/19/10	08:09	
61970-10	Sn	54.80731	51.47212	58.14250	8.60591	ug/L	10/19/10	08:09	
61970-10	Sr	2226.86523	2228.36303	2225.36767	0.09511	ug/L	10/19/10	08:09	
61970-10	Ti	8013.94580	8008.55419	8019.33740	0.09514	ug/L	10/19/10	08:09	
61970-10	Tl	-5.34214	-8.46221	-2.22206	82.59708	ug/L	10/19/10	08:09	
61970-10	V	23.47092	23.29130	23.65055	1.08230	ug/L	10/19/10	08:09	
61970-10	Zn	14534.48828	14544.87500	14524.10253	0.10105	ug/L	10/19/10	08:09	
61970-10	2203/1	42.71735	40.47373	44.96096	7.42777	ug/L	10/19/10	08:09	
61970-10	2203/2	26.49771	24.39711	28.59830	11.21113	ug/L	10/19/10	08:09	
61970-10	1960/1	12.69971	16.44939	8.95003	41.75566	ug/L	10/19/10	08:09	
61970-10	1960/2	2.11154	-4.73709	8.96018	458.68981	ug/L	10/19/10	08:09	
61970-10	Y	922.30645	923.03094	921.58197	0.11108		10/19/10	08:09	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-11	Ag	0.15690	0.98085	-0.66703	742.63250	ug/L	10/19/10	08:15	
61970-11	Al	7684.87353	7686.73876	7683.00830	0.03432	ug/L	10/19/10	08:15	
61970-11	2Al	7.68506	7.68703	7.68308	0.03630	mg/L	10/19/10	08:15	
61970-11	As	-1.01519	-1.55426	-0.47612	75.09517	ug/L	10/19/10	08:15	
61970-11	B	14.10233	14.42420	13.78047	3.22771	ug/L	10/19/10	08:15	
61970-11	Ba	1268.47363	1268.59057	1268.35668	0.01303	ug/L	10/19/10	08:15	
61970-11	Be	0.19159	0.20092	0.18226	6.88635	ug/L	10/19/10	08:15	
61970-11	Ca	472358.68750	472922.43750	471794.96875	0.16877	ug/L	10/19/10	08:15	
61970-11	Cd	0.20941	0.40705	0.01177	133.47257	ug/L	10/19/10	08:15	
61970-11	Co	21.04451	20.67026	21.41876	2.51497	ug/L	10/19/10	08:15	
61970-11	Cr	2.28642	2.38798	2.18486	6.28175	ug/L	10/19/10	08:15	
61970-11	Cu	5.78075	5.65597	5.90552	3.05253	ug/L	10/19/10	08:15	
61970-11	Fe	1021.35845	1033.96813	1008.74877	1.74598	ug/L	10/19/10	08:15	
61970-11	2Fe	1.02123	1.03384	1.00862	1.74597	mg/L	10/19/10	08:15	
61970-11	K	1529.44799	1542.39758	1516.49841	1.19739	ug/L	10/19/10	08:15	
61970-11	Mg	7658.66503	7662.65136	7654.67871	0.07360	ug/L	10/19/10	08:15	
61970-11	2Mg	7.65638	7.66036	7.65240	0.07357	mg/L	10/19/10	08:15	
61970-11	Mn	132.65286	132.65582	132.64991	0.00314	ug/L	10/19/10	08:15	
61970-11	Mo	0.98473	0.93802	1.03144	6.70830	ug/L	10/19/10	08:15	
61970-11	Na	2653.36987	2857.88232	2448.85742	10.90026	ug/L	10/19/10	08:15	
61970-11	Ni	3.46817	4.13815	2.79819	27.31961	ug/L	10/19/10	08:15	
61970-11	Pb	22.44764	23.25228	21.64300	5.06929	ug/L	10/19/10	08:15	
61970-11	Se	-4.85906	-2.81360	-6.90453	59,53238	ug/L	10/19/10	08:15	
61970-11	Sb	-4.66340	-6.83361	-2.49319	65.81333	ug/L	10/19/10	08:15	
61970-11	Sn	17.78739	19.10993	16.46486	10.51500	ug/L	10/19/10	08:15	
61970-11	Sr	1314.78466	1312.30834	1317.26110	0.26636	ug/L	10/19/10	08:15	
61970-11	Ti	893.27722	893.92993	892.62451	0.10333	ug/L	10/19/10	08:15	
61970-11	Tl	-6.10494	-6.48848	-5.72141	8.88454	ug/L	10/19/10	08:15	
61970-11	V	4.34056	5.11838	3.56275	25.34231	ug/L	10/19/10	08:15	
61970-11	Zn	171.26762	171.21945	171.31579	0.03977	ug/L	10/19/10	08:15	
61970-11	2203/1	26.48044	27.87518	25.08569	7.44878	ug/L	10/19/10	08:15	
61970-11	2203/2	20.43426	20.94429	19.92423	3.52983	ug/L	10/19/10	08:15	
61970-11	1960/1	-4.57197	0.95396	-10.09791	170.92967	ug/L	10/19/10	08:15	
61970-11	1960/2	-5.00240	-4.69457	-5.31023	8.70258	ug/L	10/19/10	08:15	
61970-11	Y	928.99346	928.11596	929.87097	0.13358		10/19/10	08:15	
61970-12	Ag	5.11440	5.96667	4.26213	23.56664	ug/L	10/19/10	08:20	
61970-12	Al	52643.73437	52659.97265	52627.49609	0.04362	ug/L	10/19/10	08:20	
61970-12	2Al	52.64459	52.65933	52.62985	0.03960	mg/L	10/19/10	08:20	
61970-12	As	2.44860	0.21126	4.68595	129.21958	ug/L	10/19/10	08:20	
61970-12	B	109.35121	110.01713	108.68528	0.86122	ug/L	10/19/10	08:20	
61970-12	Ba	514.11254	514.54431	513.68078	0.11876	ug/L	10/19/10	08:20	
61970-12	Be	1.41432	1.42157	1.40708	0.72432	ug/L	10/19/10	08:20	
61970-12	Ca	2221725.00000	2228031.50000	2215418.25000	0.40144	ug/L	10/19/10	08:20	
61970-12	Cd	7.19277	7.17900	7.20654	0.27072	ug/L	10/19/10	08:20	
61970-12	Co	412.66290	413.88677	411.43902	0.41942	ug/L	10/19/10	08:20	
61970-12	Cr	940.80120	940.98889	940.61352	0.02821	ug/L	10/19/10	08:20	
61970-12	Cu	111.24133	111.53875	110.94390	0.37811	ug/L	10/19/10	08:20	
61970-12	Fe	21030.34179	21062.90625	20997.77734	0.21898	ug/L	10/19/10	08:20	
61970-12	2Fe	21.02708	21.05891	20.99524	0.21410	mg/L	10/19/10	08:20	
61970-12	K	18338.86328	18336.71679	18341.00976	0.01655	ug/L	10/19/10	08:20	
61970-12	Mg	37226.17578	37280.53906	37171.81250	0.20652	ug/L	10/19/10	08:20	
61970-12	2Mg	37.21217	37.26651	37.15782	0.20652	mg/L	10/19/10	08:20	
61970-12	Mn	444.45312	445.15759	443.74865	0.22415	ug/L	10/19/10	08:20	
61970-12	Mo	12.87718	11.19548	14.55889	18.46902	ug/L	10/19/10	08:20	
61970-12	Na	17082.98828	17057.39062	17108.58398	0.21190	ug/L	10/19/10	08:20	
61970-12	Ni	22.85558	24.85465	20.85651	12.36943	ug/L	10/19/10	08:20	
61970-12	Pb	8521.50781	8555.10351	8487.91113	0.55755	ug/L	10/19/10	08:20	
61970-12	Se	-0.87869	0.89334	-2.65073	285.20101	ug/L	10/19/10	08:20	
61970-12	Sb	6.58903	4.73929	8.43877	39.70123	ug/L	10/19/10	08:20	
61970-12	Sn	104.06111	105.87545	102.24678	2.46572	ug/L	10/19/10	08:20	
61970-12	Sr	1376.47631	1380.71936	1372.23327	0.43593	ug/L	10/19/10	08:20	
61970-12	Ti	5254.15234	5255.50341	5252.80078	0.03637	ug/L	10/19/10	08:20	
61970-12	Tl	-6.76445	-8.28523	-5.24368	31.79416	ug/L	10/19/10	08:20	
61970-12	V	57.22418	56.98131	57.46705	0.60021	ug/L	10/19/10	08:20	
61970-12	Zn	21199.55468	21218.35156	21180.75585	0.12539	ug/L	10/19/10	08:20	
61970-12	2203/1	8611.63085	8613.31640	8609.94433	0.02768	ug/L	10/19/10	08:20	
61970-12	2203/2	8476.51367	8526.04003	8426.98632	0.82630	ug/L	10/19/10	08:20	
61970-12	1960/1	4.67230	4.12200	5.22260	16.65647	ug/L	10/19/10	08:20	
61970-12	1960/2	-3.65003	-0.71856	-6.58150	113.58049	ug/L	10/19/10	08:20	
61970-12	Y	876.81146	874.63793	878.98498	0.35056		10/19/10	08:20	

85

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-13	Ag	1.48657	0.48613	2.48702	95.17474	ug/L	10/19/10	08:25	
61970-13	Al	86696.32812	86689.70312	86702.94531	0.01080	ug/L	10/19/10	08:25	
61970-13	2Al	86.69570	86.69018	86.70123	0.00901	mg/L	10/19/10	08:25	
61970-13	As	4.59020	3.11121	6.06919	45.56675	ug/L	10/19/10	08:25	
61970-13	B	83.24978	82.14785	84.35172	1.87191	ug/L	10/19/10	08:25	
61970-13	Ba	540.88793	541.18182	540.59399	0.07684	ug/L	10/19/10	08:25	
61970-13	Be	0.65127	0.61692	0.68563	7.45947	ug/L	10/19/10	08:25	
61970-13	Ca	1287761.25000	1286958.12500	1288564.37500	0.08819	ug/L	10/19/10	08:25	
61970-13	Cd	3.67146	3.42238	3.92055	9.59465	ug/L	10/19/10	08:25	
61970-13	Co	649.36370	648.80084	649.92657	0.12258	ug/L	10/19/10	08:25	
61970-13	Cr	2530.64550	2531.51220	2529.77856	0.04844	ug/L	10/19/10	08:25	
61970-13	Cu	176.98629	176.69252	177.28005	0.23473	ug/L	10/19/10	08:25	
61970-13	Fe	21050.69140	21063.21093	21038.16992	0.08411	ug/L	10/19/10	08:25	
61970-13	2Fe	21.04682	21.05934	21.03430	0.08412	mg/L	10/19/10	08:25	
61970-13	K	6711.08349	6692.23437	6729.93261	0.39720	ug/L	10/19/10	08:25	
61970-13	Mg	20943.76757	20940.14257	20947.39257	0.02447	ug/L	10/19/10	08:25	
61970-13	2Mg	20.93430	20.93068	20.93793	0.02449	mg/L	10/19/10	08:25	
61970-13	Mn	339.92944	340.25592	339.60296	0.13582	ug/L	10/19/10	08:25	
61970-13	Mo	3.90980	4.44316	3.37644	19.29206	ug/L	10/19/10	08:25	
61970-13	Na	8192.15039	8173.06787	8211.23242	0.32941	ug/L	10/19/10	08:25	
61970-13	Ni	27.20148	27.14422	27.25873	0.29767	ug/L	10/19/10	08:25	
61970-13	Pb	13518.44921	13528.46093	13508.43652	0.10474	ug/L	10/19/10	08:25	
61970-13	Se	2.58472	0.44839	4.72105	116.88800	ug/L	10/19/10	08:25	
61970-13	Sb	3.55931	1.54008	5.57854	80.22943	ug/L	10/19/10	08:25	
61970-13	Sn	214.47143	212.12326	216.81961	1.54837	ug/L	10/19/10	08:25	
61970-13	Sr	702.21081	701.81591	702.60571	0.07953	ug/L	10/19/10	08:25	
61970-13	Ti	8752.24414	8749.96289	8754.52539	0.03686	ug/L	10/19/10	08:25	
61970-13	Tl	-5.38551	-11.77763	1.00659	167.85423	ug/L	10/19/10	08:25	
61970-13	V	83.32579	83.10692	83.54464	0.37145	ug/L	10/19/10	08:25	
61970-13	Zn	10199.30957	10195.88964	10202.72949	0.04741	ug/L	10/19/10	08:25	
61970-13	2203/1	13620.25976	13592.49121	13648.02929	0.28833	ug/L	10/19/10	08:25	
61970-13	2203/2	13467.61914	13496.49316	13438.74511	0.30320	ug/L	10/19/10	08:25	
61970-13	1960/1	8.56553	-4.57382	21.70490	216.93753	ug/L	10/19/10	08:25	
61970-13	1960/2	-0.40119	2.95573	-3.75813	1183.30615	ug/L	10/19/10	08:25	
61970-13	Y	911.73144	911.67297	911.78997	0.00907		10/19/10	08:25	
CCV	Ag	505.01715	506.19647	503.83779	0.33025	ug/L	10/19/10	08:32	
CCV	Al	5149.76269	5153.31396	5146.21191	0.09751	ug/L	10/19/10	08:32	
CCV	2Al	5.14964	5.15298	5.14629	0.09177	mg/L	10/19/10	08:32	
CCV	As	506.98815	513.48809	500.48825	1.81311	ug/L	10/19/10	08:32	
CCV	B	5034.05664	5039.77978	5028.33349	0.16077	ug/L	10/19/10	08:32	
CCV	Ba	5032.83398	5046.26025	5019.40722	0.37728	ug/L	10/19/10	08:32	
CCV	Be	503.14431	505.16104	501.12759	0.56685	ug/L	10/19/10	08:32	
CCV	Ca	5138.45507	5021.43701	5255.47265	3.22058	ug/L	10/19/10	08:32	
CCV	Cd	493.16839	496.62600	489.71081	0.99150	ug/L	10/19/10	08:32	
CCV	Co	509.15551	510.48199	507.82901	0.36844	ug/L	10/19/10	08:32	
CCV	Cr	5047.16845	5060.08007	5034.25683	0.36178	ug/L	10/19/10	08:32	
CCV	Cu	5076.45068	5089.37011	5063.53125	0.35991	ug/L	10/19/10	08:32	
CCV	Fe	5031.89062	5032.98828	5030.79296	0.03084	ug/L	10/19/10	08:32	
CCV	2Fe	5.03189	5.03299	5.03080	0.03089	mg/L	10/19/10	08:32	
CCV	K	10191.12500	10199.44335	10182.80664	0.11543	ug/L	10/19/10	08:32	
CCV	Mg	5182.23144	5187.46044	5177.00195	0.14270	ug/L	10/19/10	08:32	
CCV	2Mg	5.18222	5.18745	5.17699	0.14284	mg/L	10/19/10	08:32	
CCV	Mn	5112.86914	5126.20410	5099.53466	0.36883	ug/L	10/19/10	08:32	
CCV	Mo	492.08688	495.11474	489.05902	0.87018	ug/L	10/19/10	08:32	
CCV	Na	7610.99023	7705.36962	7516.61132	1.75367	ug/L	10/19/10	08:32	
CCV	Ni	2521.99316	2530.75341	2513.23291	0.49123	ug/L	10/19/10	08:32	
CCV	Pb	509.41589	508.06900	510.76278	0.37391	ug/L	10/19/10	08:32	
CCV	Se	4976.62011	5003.18115	4950.05957	0.75478	ug/L	10/19/10	08:32	
CCV	Sb	494.49151	497.64340	491.33959	0.90142	ug/L	10/19/10	08:32	
CCV	Sn	5051.57617	5057.34130	5045.81152	0.16139	ug/L	10/19/10	08:32	
CCV	Sr	2510.21826	2521.16528	2499.27099	0.61674	ug/L	10/19/10	08:32	
CCV	Ti	507.06829	508.23739	505.89920	0.32606	ug/L	10/19/10	08:32	
CCV	Tl	4982.53320	4991.73974	4973.32714	0.26130	ug/L	10/19/10	08:32	
CCV	V	5100.30566	5112.88427	5087.72656	0.34878	ug/L	10/19/10	08:32	
CCV	Zn	2523.40625	2528.65454	2518.15820	0.29412	ug/L	10/19/10	08:32	
CCV	2203/1	517.84637	518.24591	517.44683	0.10911	ug/L	10/19/10	08:32	
CCV	2203/2	505.20697	502.98815	507.42575	0.62110	ug/L	10/19/10	08:32	
CCV	1960/1	5121.11914	5142.24121	5099.99755	0.58328	ug/L	10/19/10	08:32	
CCV	1960/2	4904.47900	4933.75537	4875.20263	0.84418	ug/L	10/19/10	08:32	
CCV	Y	957.64495	956.69097	958.59893	0.14088		10/19/10	08:32	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.31721	-0.53382	-0.10061	96.56621	ug/L	10/19/10	08:39	
CCB	Al	-12.31185	-15.94124	-8.68246	41.68931	ug/L	10/19/10	08:39	
CCB	2Al	-0.01231	-0.01594	-0.00868	41.68931	mg/L	10/19/10	08:39	
CCB	As	-0.45182	0.01027	-0.91392	144.63648	ug/L	10/19/10	08:39	
CCB	B	2.87392	3.62841	2.11943	37.12728	ug/L	10/19/10	08:39	
CCB	Ba	1.03589	0.36290	1.70888	91.87753	ug/L	10/19/10	08:39	
CCB	Be	0.09542	0.01919	0.17164	112.96706	ug/L	10/19/10	08:39	
CCB	Ca	45.39391	16.70934	74.07849	89.36464	ug/L	10/19/10	08:39	
CCB	Cd	0.10878	0.11691	0.10065	10.57062	ug/L	10/19/10	08:39	
CCB	Co	0.55905	0.34352	0.77458	54.52088	ug/L	10/19/10	08:39	
CCB	Cr	1.32416	0.00263	2.64570	141.14004	ug/L	10/19/10	08:39	
CCB	Cu	1.45397	0.05871	2.84923	135.71078	ug/L	10/19/10	08:39	
CCB	Fe	-0.02385	-11.35547	11.30776	67177.46875	ug/L	10/19/10	08:39	
CCB	2Fe	-0.00002	-0.01135	0.01130	67788.35937	mg/L	10/19/10	08:39	
CCB	K	2.55095	12.22380	-7.12190	536.25006	ug/L	10/19/10	08:39	
CCB	Mg	-4.18339	-5.77678	-2.59000	53.86527	ug/L	10/19/10	08:39	
CCB	2Mg	-0.00418	-0.00577	-0.00259	53.81875	mg/L	10/19/10	08:39	
CCB	Mn	1.03797	0.09058	1.98536	129.07929	ug/L	10/19/10	08:39	
CCB	Mo	-1.45003	-1.12857	-1.77150	31.35229	ug/L	10/19/10	08:39	
CCB	Na	-128.93867	-30.55514	-227.32221	107.90814	ug/L	10/19/10	08:39	
CCB	Ni	0.60095	0.56751	0.63439	7.86951	ug/L	10/19/10	08:39	
CCB	Pb	-2.89683	-3.51123	-2.28242	29.99475	ug/L	10/19/10	08:39	
CCB	Se	-2.01674	5.06417	-9.09766	496.54013	ug/L	10/19/10	08:39	
CCB	Sb	-0.86562	0.48348	-2.21472	220.41119	ug/L	10/19/10	08:39	
CCB	Sn	1.92325	3.77631	0.07018	136.26075	ug/L	10/19/10	08:39	
CCB	Sr	0.52251	0.06577	0.97926	123.61976	ug/L	10/19/10	08:39	
CCB	Ti	0.36852	0.28867	0.44836	30.64082	ug/L	10/19/10	08:39	
CCB	Tl	-2.89878	-4.34706	-1.45051	70.65617	ug/L	10/19/10	08:39	
CCB	V	0.44086	0.09043	0.79129	112.41062	ug/L	10/19/10	08:39	
CCB	Zn	1.31110	0.73109	1.89110	62.56155	ug/L	10/19/10	08:39	
CCB	2203/1	-3.90606	-1.09995	-6.71218	101.59691	ug/L	10/19/10	08:39	
CCB	2203/2	-2.39296	-4.71506	-0.07087	137.23294	ug/L	10/19/10	08:39	
CCB	1960/1	5.47125	11.50609	-0.56359	155.98916	ug/L	10/19/10	08:39	
CCB	1960/2	-5.75512	1.84804	-13.35829	186.83364	ug/L	10/19/10	08:39	
CCB	Y	951.91650	949.76098	954.07196	0.32022		10/19/10	08:39	
61970-14	Ag	7.47505	7.60012	7.34998	2.36621	ug/L	10/19/10	08:44	
61970-14	Al	144962.84375	144911.03125	145014.67187	0.05055	ug/L	10/19/10	08:44	
61970-14	2Al	144.96667	144.91432	145.01902	0.05107	mg/L	10/19/10	08:44	
61970-14	As	6.38506	8.08066	4.68946	37.55547	ug/L	10/19/10	08:44	
61970-14	B	134.80728	134.55314	135.06140	0.26659	ug/L	10/19/10	08:44	
61970-14	Ba	454.61929	455.20846	454.03012	0.18327	ug/L	10/19/10	08:44	
61970-14	Be	0.94365	0.93856	0.94874	0.76250	ug/L	10/19/10	08:44	
61970-14	Ca	1159108.25000	1161325.00000	1156891.37500	0.27047	ug/L	10/19/10	08:44	
61970-14	Cd	28.05705	27.91171	28.20239	0.73258	ug/L	10/19/10	08:44	
61970-14	Co	840.93206	841.72802	840.13610	0.13385	ug/L	10/19/10	08:44	
61970-14	Cr	410.09765	410.87475	409.32052	0.26798	ug/L	10/19/10	08:44	
61970-14	Cu	1018.20733	1019.43139	1016.98327	0.17001	ug/L	10/19/10	08:44	
61970-14	Fe	91077.17187	91206.00781	90948.32812	0.20005	ug/L	10/19/10	08:44	
61970-14	2Fe	91.06243	91.19056	90.93429	0.19899	mg/L	10/19/10	08:44	
61970-14	K	52778.06640	52780.96093	52775.17187	0.00775	ug/L	10/19/10	08:44	
61970-14	Mg	19638.98437	19666.98437	19610.98242	0.20163	ug/L	10/19/10	08:44	
61970-14	2Mg	19.61768	19.64565	19.58971	0.20163	mg/L	10/19/10	08:44	
61970-14	Mn	567.98876	568.86682	567.11071	0.21862	ug/L	10/19/10	08:44	
61970-14	Mo	3.64577	3.25891	4.03263	15.00652	ug/L	10/19/10	08:44	
61970-14	Na	42018.14062	41953.35156	42082.92968	0.21806	ug/L	10/19/10	08:44	
61970-14	Ni	44.55189	45.22085	43.88293	2.12349	ug/L	10/19/10	08:44	
61970-14	Pb	6928.23339	6936.50488	6919.96142	0.16884	ug/L	10/19/10	08:44	
61970-14	Se	-9.91420	-12.19524	-7.63316	32.53794	ug/L	10/19/10	08:44	
61970-14	Sb	-2.39520	-5.23914	0.44874	167.91683	ug/L	10/19/10	08:44	
61970-14	Sn	75.65981	74.86198	76.45764	1.49128	ug/L	10/19/10	08:44	
61970-14	Sr	655.02972	657.17749	652.88195	0.46370	ug/L	10/19/10	08:44	
61970-14	Ti	4540.99902	4544.97802	4537.01953	0.12392	ug/L	10/19/10	08:44	
61970-14	Tl	-9.39574	-12.92534	-5.86614	53.12624	ug/L	10/19/10	08:44	
61970-14	V	72.64311	72.29205	72.99417	0.68344	ug/L	10/19/10	08:44	
61970-14	Zn	19921.14453	19959.17968	19883.11132	0.27000	ug/L	10/19/10	08:44	
61970-14	2203/1	6974.99023	6956.56396	6993.41699	0.37360	ug/L	10/19/10	08:44	
61970-14	2203/2	6904.88964	6926.49023	6883.28906	0.44240	ug/L	10/19/10	08:44	
61970-14	1960/1	-7.57097	-4.51061	-10.63133	57.16574	ug/L	10/19/10	08:44	
61970-14	1960/2	-11.08405	-16.03177	-6.13632	63.12802	ug/L	10/19/10	08:44	
61970-14	Y	917.31591	917.70294	916.92895	0.05966		10/19/10	08:44	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT....
61970-15	Ag	0.14612	0.51624	-0.22398	358.19415	ug/L	10/19/10	08:49	
61970-15	Al	19297.28906	19285.19140	19309.38671	0.08865	ug/L	10/19/10	08:49	
61970-15	2Al	19.29688	19.28521	19.30856	0.08556	mg/L	10/19/10	08:49	
61970-15	As	0.00795	0.75005	-0.73414	13195.03613	ug/L	10/19/10	08:49	
61970-15	B	1.59251	2.43803	0.74698	75.08605	ug/L	10/19/10	08:49	
61970-15	Ba	51.58562	51.67967	51.49156	0.25785	ug/L	10/19/10	08:49	
61970-15	Be	0.03994	0.05929	0.02059	68.50626	ug/L	10/19/10	08:49	
61970-15	Ca	122.14147	128.59742	115.68553	7.47500	ug/L	10/19/10	08:49	
61970-15	Cd	-0.02710	0.35273	-0.40694	1981.79956	ug/L	10/19/10	08:49	
61970-15	Co	6.25141	6.29285	6.20998	0.93741	ug/L	10/19/10	08:49	
61970-15	Cr	1919.69897	1918.77148	1920.62658	0.06833	ug/L	10/19/10	08:49	
61970-15	Cu	8.45821	8.86530	8.05111	6.80659	ug/L	10/19/10	08:49	
61970-15	Fe	232.29721	222.71188	241.88252	5.83549	ug/L	10/19/10	08:49	
61970-15	2Fe	0.23225	0.22267	0.24183	5.83577	mg/L	10/19/10	08:49	
61970-15	K	63.87915	67.65828	60.10001	8.36658	ug/L	10/19/10	08:49	
61970-15	Mg	21.25835	22.81116	19.70553	10.33009	ug/L	10/19/10	08:49	
61970-15	2Mg	0.02121	0.02276	0.01965	10.36043	mg/L	10/19/10	08:49	
61970-15	Mn	4.13264	4.17983	4.08545	1.61488	ug/L	10/19/10	08:49	
61970-15	Mo	3.60513	3.50822	3.70204	3.80167	ug/L	10/19/10	08:49	
61970-15	Na	431.07217	464.42886	397.71548	10.94329	ug/L	10/19/10	08:49	
61970-15	Ni	4.73522	5.60271	3.86772	25.90837	ug/L	10/19/10	08:49	
61970-15	Pb	7.26738	7.34743	7.18734	1.55763	ug/L	10/19/10	08:49	
61970-15	Se	-4.17470	-7.35262	-0.99679	107.65425	ug/L	10/19/10	08:49	
61970-15	Sb	0.64010	-1.66946	2.94967	510.26452	ug/L	10/19/10	08:49	
61970-15	Sn	13.24483	12.11332	14.37633	12.08159	ug/L	10/19/10	08:49	
61970-15	Sr	3301.72753	3302.91406	3300.54077	0.05082	ug/L	10/19/10	08:49	
61970-15	Ti	34.55760	35.10487	34.01034	2.23960	ug/L	10/19/10	08:49	
61970-15	Tl	-4.56444	-7.48044	-1.64844	90.34703	ug/L	10/19/10	08:49	
61970-15	V	0.10865	0.52416	-0.30686	540.84613	ug/L	10/19/10	08:49	
61970-15	Zn	13035.71191	13044.13574	13027.28808	0.09138	ug/L	10/19/10	08:49	
61970-15	2203/1	12.31057	14.79952	9.82163	28.59248	ug/L	10/19/10	08:49	
61970-15	2203/2	4.74956	3.62696	5.87217	33.42612	ug/L	10/19/10	08:49	
61970-15	1960/1	4.91034	2.18686	7.63383	78.43824	ug/L	10/19/10	08:49	
61970-15	1960/2	-8.71042	-12.11521	-5.30563	55.27973	ug/L	10/19/10	08:49	
61970-15	Y	952.96044	954.08996	951.83093	0.16762		10/19/10	08:49	
61970-16	Ag	1.90378	2.02400	1.78356	8.93050	ug/L	10/19/10	08:55	
61970-16	Al	4312.80664	4312.25927	4313.35449	0.01795	ug/L	10/19/10	08:55	
61970-16	2Al	4.31277	4.31212	4.31342	0.02142	mg/L	10/19/10	08:55	
61970-16	As	79.17900	76.12194	82.23606	5.46021	ug/L	10/19/10	08:55	
61970-16	B	142.24267	141.57485	142.91050	0.66396	ug/L	10/19/10	08:55	
61970-16	Ba	147.54119	147.55902	147.52337	0.01708	ug/L	10/19/10	08:55	
61970-16	Be	0.07486	0.07592	0.07380	2.00049	ug/L	10/19/10	08:55	
61970-16	Ca	83180.59375	83106.23437	83254.96093	0.12643	ug/L	10/19/10	08:55	
61970-16	Cd	23.93430	23.81627	24.05232	0.69736	ug/L	10/19/10	08:55	
61970-16	Co	287.03329	286.24636	287.82022	0.38771	ug/L	10/19/10	08:55	
61970-16	Cr	227.25534	226.62701	227.88365	0.39100	ug/L	10/19/10	08:55	
61970-16	Cu	51.18118	51.13265	51.22970	0.13409	ug/L	10/19/10	08:55	
61970-16	Fe	46838.06640	46766.70703	46909.42578	0.21546	ug/L	10/19/10	08:55	
61970-16	2Fe	46.82884	46.75683	46.90086	0.21748	mg/L	10/19/10	08:55	
61970-16	K	930.50842	935.74676	925.27001	0.79614	ug/L	10/19/10	08:55	
61970-16	Mg	1228.00354	1228.35070	1227.65637	0.03998	ug/L	10/19/10	08:55	
61970-16	2Mg	1.21946	1.21982	1.21910	0.04171	mg/L	10/19/10	08:55	
61970-16	Mn	90.47903	90.43426	90.52379	0.06996	ug/L	10/19/10	08:55	
61970-16	Mo	51.81731	52.40161	51.23301	1.59468	ug/L	10/19/10	08:55	
61970-16	Na	1922.68469	1915.84362	1929.52575	0.50318	ug/L	10/19/10	08:55	
61970-16	Ni	13.07639	12.71274	13.44003	3.93284	ug/L	10/19/10	08:55	
61970-16	Pb	107307.87500	107207.96093	107407.78125	0.13167	ug/L	10/19/10	08:55	
61970-16	Se	4.81639	5.97528	3.65751	34.02770	ug/L	10/19/10	08:55	
61970-16	Sb	98.11711	98.61351	97.62070	0.71549	ug/L	10/19/10	08:55	
61970-16	Sn	96.00999	95.13036	96.88963	1.29568	ug/L	10/19/10	08:55	
61970-16	Sr	54.51729	54.55975	54.47483	0.11014	ug/L	10/19/10	08:55	
61970-16	Ti	395.31646	394.99227	395.64065	0.11597	ug/L	10/19/10	08:55	
61970-16	Tl	-8.47138	-12.92176	-4.02099	74.29479	ug/L	10/19/10	08:55	
61970-16	V	7.76561	7.87380	7.65741	1.97036	ug/L	10/19/10	08:55	
61970-16	Zn	87646.95312	87613.42968	87680.48437	0.05409	ug/L	10/19/10	08:55	
61970-16	2203/1	108031.82031	108024.53906	108039.10156	0.00953	ug/L	10/19/10	08:55	
61970-16	2203/2	106946.43750	106800.28906	107092.59375	0.19326	ug/L	10/19/10	08:55	
61970-16	1960/1	5.36881	7.91150	2.82612	66.97762	ug/L	10/19/10	08:55	
61970-16	1960/2	4.54060	5.00862	4.07258	14.57693	ug/L	10/19/10	08:55	
61970-16	Y	940.31542	942.50695	938.12396	0.32959		10/19/10	08:55	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-17	Ag	1.91130	2.13001	1.69260	16.18233	ug/L	10/19/10	09:00	
61970-17	Al	9279.13085	9287.54980	9270.71289	0.12830	ug/L	10/19/10	09:00	
61970-17	2Al	9.27932	9.28753	9.27111	0.12509	mg/L	10/19/10	09:00	
61970-17	As	-0.69667	-1.46771	0.07436	156.51666	ug/L	10/19/10	09:00	
61970-17	B	210.07965	208.93225	211.22705	0.77240	ug/L	10/19/10	09:00	
61970-17	Ba	37.86939	38.01520	37.72357	0.54453	ug/L	10/19/10	09:00	
61970-17	Be	0.08103	0.08519	0.07688	7.25388	ug/L	10/19/10	09:00	
61970-17	Ca	13719.46484	13729.83984	13709.08984	0.10694	ug/L	10/19/10	09:00	
61970-17	Cd	5.00393	5.25500	4.75286	7.09577	ug/L	10/19/10	09:00	
61970-17	Co	129.50787	130.01509	129.00067	0.55386	ug/L	10/19/10	09:00	
61970-17	Cr	31.82202	31.29891	32.34514	2.32478	ug/L	10/19/10	09:00	
61970-17	Cu	46.05173	46.28606	45.81739	0.71963	ug/L	10/19/10	09:00	
61970-17	Fe	26968.00781	26987.84375	26948.17382	0.10401	ug/L	10/19/10	09:00	
61970-17	2Fe	26.96396	26.98312	26.94479	0.10052	mg/L	10/19/10	09:00	
61970-17	K	3910.26953	3903.50024	3917.03906	0.24482	ug/L	10/19/10	09:00	
61970-17	Mg	5980.45898	5991.11816	5969.80029	0.25205	ug/L	10/19/10	09:00	
61970-17	2Mg	5.97407	5.98472	5.96341	0.25218	mg/L	10/19/10	09:00	
61970-17	Mn	93.65403	93.85121	93.45684	0.29775	ug/L	10/19/10	09:00	
61970-17	Mo	-0.75720	-2.70949	1.19508	364.62332	ug/L	10/19/10	09:00	
61970-17	Na	5464.12304	5441.06591	5487.18066	0.59676	ug/L	10/19/10	09:00	
61970-17	Ni	37.40650	37.70553	37.10746	1.13056	ug/L	10/19/10	09:00	
61970-17	Pb	518.62646	518.87817	518.37475	0.06863	ug/L	10/19/10	09:00	
61970-17	Se	-1.42213	-2.43951	-0.40475	101.17117	ug/L	10/19/10	09:00	
61970-17	Sb	-0.42399	-4.85844	4.01045	1479.09423	ug/L	10/19/10	09:00	
61970-17	Sn	195.35668	195.40435	195.30903	0.03450	ug/L	10/19/10	09:00	
61970-17	Sr	32.72778	32.75192	32.70363	0.10431	ug/L	10/19/10	09:00	
61970-17	Ti	458.65844	459.59194	457.72491	0.28783	ug/L	10/19/10	09:00	
61970-17	Tl	-4.56013	-5.77796	-3.34231	37.76793	ug/L	10/19/10	09:00	
61970-17	V	5.23705	4.98662	5.48749	6.76273	ug/L	10/19/10	09:00	
61970-17	Zn	7509.11718	7511.02441	7507.21044	0.03591	ug/L	10/19/10	09:00	
61970-17	2203/1	525.79211	530.60791	520.97631	1.29529	ug/L	10/19/10	09:00	
61970-17	2203/2	515.04901	513.02209	517.07592	0.55654	ug/L	10/19/10	09:00	
61970-17	1960/1	3.16035	7.98294	-1.66223	215.80407	ug/L	10/19/10	09:00	
61970-17	1960/2	-3.70994	-7.64292	0.22304	149.92359	ug/L	10/19/10	09:00	
61970-17	Y	951.00292	950.06695	951.93896	0.13919		10/19/10	09:00	
61970-18	Ag	1.45790	1.93559	0.98021	46.33725	ug/L	10/19/10	09:05	
61970-18	Al	36948.27343	36974.76562	36921.77734	0.10140	ug/L	10/19/10	09:05	
61970-18	2Al	36.94834	36.97289	36.92379	0.09395	mg/L	10/19/10	09:05	
61970-18	As	1.82650	0.17917	3.47383	127.54847	ug/L	10/19/10	09:05	
61970-18	B	256.56039	257.44192	255.67887	0.48591	ug/L	10/19/10	09:05	
61970-18	Ba	248.62484	248.63212	248.61758	0.00413	ug/L	10/19/10	09:05	
61970-18	Be	0.27286	0.23878	0.30694	17.66334	ug/L	10/19/10	09:05	
61970-18	Ca	517021.62500	516387.59375	517655.68750	0.17343	ug/L	10/19/10	09:05	
61970-18	Cd	1.34722	1.36057	1.33386	1.40187	ug/L	10/19/10	09:05	
61970-18	Co	150.50610	150.44146	150.57072	0.06072	ug/L	10/19/10	09:05	
61970-18	Cr	1750.16723	1751.42639	1748.90808	0.10174	ug/L	10/19/10	09:05	
61970-18	Cu	41.07641	40.62263	41.53019	1.56232	ug/L	10/19/10	09:05	
61970-18	Fe	24960.02734	24915.32812	25004.72656	0.25326	ug/L	10/19/10	09:05	
61970-18	2Fe	24.95553	24.90947	25.00159	0.26102	mg/L	10/19/10	09:05	
61970-18	K	4321.27978	4311.49609	4331.06347	0.32018	ug/L	10/19/10	09:05	
61970-18	Mg	8408.62792	8401.46289	8415.79296	0.12050	ug/L	10/19/10	09:05	
61970-18	2Mg	8.40198	8.39482	8.40913	0.12043	mg/L	10/19/10	09:05	
61970-18	Mn	257.22448	257.35061	257.09832	0.06935	ug/L	10/19/10	09:05	
61970-18	Mo	4.89172	4.37295	5.41049	14.99775	ug/L	10/19/10	09:05	
61970-18	Na	7248.11035	7258.52636	7237.69384	0.20323	ug/L	10/19/10	09:05	
61970-18	Ni	25.35887	24.54450	26.17325	4.54159	ug/L	10/19/10	09:05	
61970-18	Pb	9091.33984	9087.03808	9095.64160	0.06691	ug/L	10/19/10	09:05	
61970-18	Se	-1.16261	-4.30562	1.98040	382.31982	ug/L	10/19/10	09:05	
61970-18	Sb	7.12351	6.28837	7.95865	16.57978	ug/L	10/19/10	09:05	
61970-18	Sn	52.67780	50.94398	54.41162	4.65469	ug/L	10/19/10	09:05	
61970-18	Sr	592.99072	593.22802	592.75347	0.05658	ug/L	10/19/10	09:05	
61970-18	Ti	6231.02929	6231.06250	6230.99560	0.00075	ug/L	10/19/10	09:05	
61970-18	Tl	0.42780	-6.25439	7.11000	2208.98046	ug/L	10/19/10	09:05	
61970-18	V	38.28652	36.84302	39.73003	5.33197	ug/L	10/19/10	09:05	
61970-18	Zn	4792.60351	4788.81591	4796.39062	0.11175	ug/L	10/19/10	09:05	
61970-18	2203/1	9203.14257	9190.33398	9215.95117	0.19682	ug/L	10/19/10	09:05	
61970-18	2203/2	9035.52148	9035.46679	9035.57714	0.00086	ug/L	10/19/10	09:05	
61970-18	1960/1	11.36028	9.65912	13.06144	21.17735	ug/L	10/19/10	09:05	
61970-18	1960/2	-7.41466	-11.27751	-3.55181	73.67693	ug/L	10/19/10	09:05	
61970-18	Y	927.59399	926.58593	928.60198	0.15368		10/19/10	09:05	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-19	Ag	-0.09952	-0.53357	0.33453	616.79705	ug/L	10/19/10	09:11	
61970-19	Al	8549.16796	8540.29980	8558.03613	0.14669	ug/L	10/19/10	09:11	
61970-19	2Al	8.54920	8.54065	8.55775	0.14144	mg/L	10/19/10	09:11	
61970-19	As	0.50811	-0.21812	1.23434	202.13044	ug/L	10/19/10	09:11	
61970-19	B	80.44966	79.55256	81.34677	1.57700	ug/L	10/19/10	09:11	
61970-19	Ba	26.64508	26.52954	26.76062	0.61324	ug/L	10/19/10	09:11	
61970-19	Be	0.05187	0.02865	0.07509	63.29880	ug/L	10/19/10	09:11	
61970-19	Ca	71666.57812	71654.75781	71678.39843	0.02332	ug/L	10/19/10	09:11	
61970-19	Cd	2.57850	2.63615	2.52085	3.16176	ug/L	10/19/10	09:11	
61970-19	Co	1.93993	2.31449	1.56536	27.30588	ug/L	10/19/10	09:11	
61970-19	Cr	11.96677	12.17003	11.76352	2.40206	ug/L	10/19/10	09:11	
61970-19	Cu	7.92518	7.92937	7.92099	0.07474	ug/L	10/19/10	09:11	
61970-19	Fe	2044.39062	2029.34924	2059.43188	1.04048	ug/L	10/19/10	09:11	
61970-19	2Fe	2.04413	2.02909	2.05917	1.04048	mg/L	10/19/10	09:11	
61970-19	K	981.58660	970.96588	992.20733	1.53017	ug/L	10/19/10	09:11	
61970-19	Mg	1090.06372	1092.00451	1088.12280	0.25180	ug/L	10/19/10	09:11	
61970-19	2Mg	1.08940	1.09135	1.08746	0.25222	mg/L	10/19/10	09:11	
61970-19	Mn	28.05857	28.09396	28.02318	0.17839	ug/L	10/19/10	09:11	
61970-19	Mo	-0.56796	-2.80111	1.66518	556.04748	ug/L	10/19/10	09:11	
61970-19	Na	2181.71728	2348.95239	2014.48193	10.84037	ug/L	10/19/10	09:11	
61970-19	Ni	3.93632	3.95480	3.91783	0.66413	ug/L	10/19/10	09:11	
61970-19	Pb	48.97824	49.62587	48.33060	1.86999	ug/L	10/19/10	09:11	
61970-19	Se	0.16519	-1.45556	1.78595	1387.52258	ug/L	10/19/10	09:11	
61970-19	Sb	-5.66325	-6.41312	-4.91338	18.72555	ug/L	10/19/10	09:11	
61970-19	Sn	21.98898	24.01152	19.96645	13.00787	ug/L	10/19/10	09:11	
61970-19	Sr	190.67930	190.18014	191.17846	0.37021	ug/L	10/19/10	09:11	
61970-19	Ti	1978.84191	1978.65356	1979.03027	0.01346	ug/L	10/19/10	09:11	
61970-19	Tl	-4.91297	-4.12984	-5.69610	22.54249	ug/L	10/19/10	09:11	
61970-19	V	15.61939	15.06496	16.17383	5.01999	ug/L	10/19/10	09:11	
61970-19	Zn	11176.16406	11164.84277	11187.48632	0.14326	ug/L	10/19/10	09:11	
61970-19	2203/1	48.51753	47.18199	49.85307	3.89290	ug/L	10/19/10	09:11	
61970-19	2203/2	49.20824	50.84598	47.57051	4.70674	ug/L	10/19/10	09:11	
61970-19	1960/1	0.58177	-6.05157	7.21512	1612.47375	ug/L	10/19/10	09:11	
61970-19	1960/2	-0.04278	0.83899	-0.92456	2914.65673	ug/L	10/19/10	09:11	
61970-19	Y	949.45043	950.52593	948.37493	0.16019		10/19/10	09:11	
61970-20	Ag	1.47579	0.57995	2.37163	85.84563	ug/L	10/19/10	09:16	
61970-20	Al	189.27706	190.73986	187.81425	1.09295	ug/L	10/19/10	09:16	
61970-20	2Al	0.18928	0.19075	0.18782	1.09294	mg/L	10/19/10	09:16	
61970-20	As	-2.35128	-4.56812	-0.13444	133.33512	ug/L	10/19/10	09:16	
61970-20	B	251.11128	251.34350	250.87905	0.13078	ug/L	10/19/10	09:16	
61970-20	Ba	16.69127	16.70457	16.67797	0.11268	ug/L	10/19/10	09:16	
61970-20	Be	0.01556	0.02947	0.00165	126.38191	ug/L	10/19/10	09:16	
61970-20	Ca	2455.75048	2455.95605	2455.54467	0.01184	ug/L	10/19/10	09:16	
61970-20	Cd	5.36145	5.62433	5.09858	6.93394	ug/L	10/19/10	09:16	
61970-20	Co	156.93669	156.70344	157.16993	0.21018	ug/L	10/19/10	09:16	
61970-20	Cr	6.31521	5.83565	6.79477	10.73924	ug/L	10/19/10	09:16	
61970-20	Cu	23.64589	24.48967	22.80211	5.04646	ug/L	10/19/10	09:16	
61970-20	Fe	264.54718	253.33801	275.75634	5.99218	ug/L	10/19/10	09:16	
61970-20	2Fe	0.26456	0.25335	0.27577	5.99105	mg/L	10/19/10	09:16	
61970-20	K	882.98852	884.24267	881.73437	0.20086	ug/L	10/19/10	09:16	
61970-20	Mg	1380.61645	1379.49121	1381.74157	0.11525	ug/L	10/19/10	09:16	
61970-20	2Mg	1.38019	1.37907	1.38132	0.11506	mg/L	10/19/10	09:16	
61970-20	Mn	38.96913	38.87763	39.06064	0.33207	ug/L	10/19/10	09:16	
61970-20	Mo	-2.37907	-2.89046	-1.86769	30.39858	ug/L	10/19/10	09:16	
61970-20	Na	954.85583	984.20257	925.50903	4.34647	ug/L	10/19/10	09:16	
61970-20	Ni	3.35353	2.71541	3.99165	26.90991	ug/L	10/19/10	09:16	
61970-20	Pb	471.69421	472.37884	471.00958	0.20526	ug/L	10/19/10	09:16	
61970-20	Se	-0.01972	1.32417	-1.36362	9635.26562	ug/L	10/19/10	09:16	
61970-20	Sb	-4.86625	-0.02754	-9.70497	140.62095	ug/L	10/19/10	09:16	
61970-20	Sn	22.49083	20.76337	24.21829	10.86221	ug/L	10/19/10	09:16	
61970-20	Sr	25.21524	25.23193	25.19856	0.09358	ug/L	10/19/10	09:16	
61970-20	Ti	7.34509	7.50808	7.18211	3.13805	ug/L	10/19/10	09:16	
61970-20	Tl	-5.96365	-11.35159	-0.57571	127.76902	ug/L	10/19/10	09:16	
61970-20	V	0.44542	1.03922	-0.14837	188.53044	ug/L	10/19/10	09:16	
61970-20	Zn	3946.16333	3949.09643	3943.23022	0.10511	ug/L	10/19/10	09:16	
61970-20	2203/1	473.89117	477.61892	470.16342	1.11245	ug/L	10/19/10	09:16	
61970-20	2203/2	470.59799	469.76333	471.43264	0.25082	ug/L	10/19/10	09:16	
61970-20	1960/1	-0.21901	3.00291	-3.44094	2080.44018	ug/L	10/19/10	09:16	
61970-20	1960/2	0.07977	0.48606	-0.32652	720.29052	ug/L	10/19/10	09:16	
61970-20	Y	952.00646	951.68695	952.32598	0.04746		10/19/10	09:16	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	504.32022	504.63476	504.00567	0.08820	ug/L	10/19/10	09:23	
CCV	Al	5164.32617	5177.31933	5151.33251	0.35581	ug/L	10/19/10	09:23	
CCV	2Al	5.16419	5.17718	5.15120	0.35578	mg/L	10/19/10	09:23	
CCV	As	506.69024	507.84497	505.53549	0.32229	ug/L	10/19/10	09:23	
CCV	B	4993.14599	4995.86767	4990.42431	0.07708	ug/L	10/19/10	09:23	
CCV	Ba	5054.83984	5071.28515	5038.39404	0.46010	ug/L	10/19/10	09:23	
CCV	Be	497.26513	497.96279	496.56747	0.19841	ug/L	10/19/10	09:23	
CCV	Ca	4925.45312	4926.02636	4924.87988	0.01645	ug/L	10/19/10	09:23	
CCV	Cd	488.74029	488.47027	489.01034	0.07813	ug/L	10/19/10	09:23	
CCV	Co	504.19973	504.28967	504.10980	0.02522	ug/L	10/19/10	09:23	
CCV	Cr	4996.95800	5005.38525	4988.53076	0.23850	ug/L	10/19/10	09:23	
CCV	Cu	5088.72900	5098.95410	5078.50390	0.28416	ug/L	10/19/10	09:23	
CCV	Fe	4959.81054	4939.98779	4979.63378	0.56522	ug/L	10/19/10	09:23	
CCV	2Fe	4.95982	4.94000	4.97964	0.56512	mg/L	10/19/10	09:23	
CCV	K	10374.24804	10381.85839	10366.63867	0.10373	ug/L	10/19/10	09:23	
CCV	Mg	5091.75439	5089.86523	5093.64355	0.05247	ug/L	10/19/10	09:23	
CCV	2Mg	5.09176	5.08987	5.09364	0.05231	mg/L	10/19/10	09:23	
CCV	Mn	5061.48291	5065.38916	5057.57666	0.10914	ug/L	10/19/10	09:23	
CCV	Mo	484.94152	483.94375	485.93927	0.29097	ug/L	10/19/10	09:23	
CCV	Na	7776.16064	7667.89599	7884.42529	1.96895	ug/L	10/19/10	09:23	
CCV	Ni	2497.41088	2496.75097	2498.07080	0.03736	ug/L	10/19/10	09:23	
CCV	Pb	502.25323	505.38964	499.11685	0.88312	ug/L	10/19/10	09:23	
CCV	Se	4936.46093	4955.92529	4916.99707	0.55761	ug/L	10/19/10	09:23	
CCV	Sb	492.01055	484.52813	499.49295	2.15071	ug/L	10/19/10	09:23	
CCV	Sn	4980.51660	4977.73583	4983.29785	0.07896	ug/L	10/19/10	09:23	
CCV	Sr	2520.71142	2524.72119	2516.70166	0.22496	ug/L	10/19/10	09:23	
CCV	Ti	501.09777	501.97955	500.21600	0.24885	ug/L	10/19/10	09:23	
CCV	Tl	4936.51953	4927.64697	4945.39160	0.25417	ug/L	10/19/10	09:23	
CCV	V	5067.05175	5075.14501	5058.95898	0.22587	ug/L	10/19/10	09:23	
CCV	Zn	2466.35498	2465.44775	2467.26220	0.05202	ug/L	10/19/10	09:23	
CCV	2203/1	505.09188	502.66220	507.52157	0.68029	ug/L	10/19/10	09:23	
CCV	2203/2	500.83605	506.75131	494.92080	1.67029	ug/L	10/19/10	09:23	
CCV	1960/1	5091.41210	5116.19335	5066.63085	0.68833	ug/L	10/19/10	09:23	
CCV	1960/2	4859.10205	4875.91162	4842.29248	0.48923	ug/L	10/19/10	09:23	
CCV	Y	936.74694	932.02197	941.47198	0.71333		10/19/10	09:23	
CCB	Ag	0.43313	0.46329	0.40298	9.84601	ug/L	10/19/10	09:30	
CCB	Al	-11.53957	-13.74623	-9.33292	27.04327	ug/L	10/19/10	09:30	
CCB	2Al	-0.01154	-0.01374	-0.00933	27.04318	mg/L	10/19/10	09:30	
CCB	As	0.65309	1.12413	0.18206	101.99797	ug/L	10/19/10	09:30	
CCB	B	3.59600	4.89573	2.29626	51.11533	ug/L	10/19/10	09:30	
CCB	Ba	0.88459	0.01949	1.74969	138.30500	ug/L	10/19/10	09:30	
CCB	Be	0.10515	0.00595	0.20435	133.41445	ug/L	10/19/10	09:30	
CCB	Ca	7.75839	4.43979	11.07699	60.49202	ug/L	10/19/10	09:30	
CCB	Cd	0.53831	0.59736	0.47925	15.51500	ug/L	10/19/10	09:30	
CCB	Co	0.16688	0.08702	0.24673	67.66883	ug/L	10/19/10	09:30	
CCB	Cr	-0.03928	-1.16252	1.08395	4043.38671	ug/L	10/19/10	09:30	
CCB	Cu	1.65067	0.67544	2.62590	83.55279	ug/L	10/19/10	09:30	
CCB	Fe	-2.75214	4.67542	-10.17970	381.67211	ug/L	10/19/10	09:30	
CCB	2Fe	-0.00275	0.00467	-0.01017	381.68139	mg/L	10/19/10	09:30	
CCB	K	1.17731	-2.30972	4.66436	418.86993	ug/L	10/19/10	09:30	
CCB	Mg	-8.98362	-8.98350	-8.98373	0.00184	ug/L	10/19/10	09:30	
CCB	2Mg	-0.00898	-0.00898	-0.00897	0.02518	mg/L	10/19/10	09:30	
CCB	Mn	0.94366	0.04779	1.83953	134.25868	ug/L	10/19/10	09:30	
CCB	Mo	1.43995	3.64614	-0.76623	216.67543	ug/L	10/19/10	09:30	
CCB	Na	39.76441	16.14929	63.37953	83.98670	ug/L	10/19/10	09:30	
CCB	Ni	-0.62730	-1.85700	0.60238	277.22280	ug/L	10/19/10	09:30	
CCB	Pb	-1.22216	2.02145	-4.46579	375.33062	ug/L	10/19/10	09:30	
CCB	Se	4.12199	5.10639	3.13759	33.77379	ug/L	10/19/10	09:30	
CCB	Sb	-7.63420	-8.39067	-6.87773	14.01331	ug/L	10/19/10	09:30	
CCB	Sn	-0.43180	0.03917	-0.90277	154.25048	ug/L	10/19/10	09:30	
CCB	Sr	0.42875	-0.02362	0.88113	149.21293	ug/L	10/19/10	09:30	
CCB	Ti	-0.22395	-0.22346	-0.22444	0.30921	ug/L	10/19/10	09:30	
CCB	Tl	-2.50259	-3.15978	-1.84539	37.13820	ug/L	10/19/10	09:30	
CCB	V	0.50828	-0.35613	1.37271	240.50866	ug/L	10/19/10	09:30	
CCB	Zn	0.70861	0.39308	1.02414	62.97232	ug/L	10/19/10	09:30	
CCB	2203/1	2.17098	5.43640	-1.09443	212.71466	ug/L	10/19/10	09:30	
CCB	2203/2	-2.91620	0.31653	-6.14894	156.77178	ug/L	10/19/10	09:30	
CCB	1960/1	5.13334	6.52509	3.74159	38.34210	ug/L	10/19/10	09:30	
CCB	1960/2	3.61707	4.39811	2.83604	30.53699	ug/L	10/19/10	09:30	
CCB	Y	940.33801	941.96697	938.70898	0.24499		10/19/10	09:30	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61878-1	Ag	-0.16251	0.02284	-0.34787	161.29658	ug/L	10/19/10	10:02	
61878-1	Al	-8.18470	-8.40762	-7.96179	3.85170	ug/L	10/19/10	10:02	
61878-1	2Al	-0.00818	-0.00840	-0.00796	3.85160	mg/L	10/19/10	10:02	
61878-1	As	18.11544	18.25514	17.97573	1.09062	ug/L	10/19/10	10:02	
61878-1	B	37.13593	37.76160	36.51026	2.38267	ug/L	10/19/10	10:02	
61878-1	Ba	87.46594	87.48460	87.44728	0.03016	ug/L	10/19/10	10:02	
61878-1	Be	0.02858	0.04368	0.01348	74.68769	ug/L	10/19/10	10:02	
61878-1	Ca	27796.35937	27788.33203	27804.38671	0.04084	ug/L	10/19/10	10:02	
61878-1	Cd	0.40679	0.37704	0.43655	10.34254	ug/L	10/19/10	10:02	
61878-1	Co	0.01186	0.29797	-0.27423	3409.63940	ug/L	10/19/10	10:02	
61878-1	Cr	-0.69931	0.24097	-1.63961	190.15361	ug/L	10/19/10	10:02	
61878-1	Cu	1.33370	2.34992	0.31747	107.75739	ug/L	10/19/10	10:02	
61878-1	Fe	118.65460	108.42629	128.88290	12.19085	ug/L	10/19/10	10:02	
61878-1	2Fe	0.11863	0.10841	0.12886	12.19068	mg/L	10/19/10	10:02	
61878-1	K	4367.83886	4356.40869	4379.26855	0.37007	ug/L	10/19/10	10:02	
61878-1	Mg	11218.47265	11211.21972	11225.72460	0.09142	ug/L	10/19/10	10:02	
61878-1	2Mg	11.21528	11.20803	11.22253	0.09140	mg/L	10/19/10	10:02	
61878-1	Mn	6.45446	6.53131	6.37760	1.68392	ug/L	10/19/10	10:02	
61878-1	Mo	52.25331	52.89587	51.61076	1.73904	ug/L	10/19/10	10:02	
61878-1	Na	23319.10546	23285.90234	23352.30859	0.20136	ug/L	10/19/10	10:02	
61878-1	Ni	0.77700	0.17023	1.38377	110.43714	ug/L	10/19/10	10:02	
61878-1	Pb	0.91896	1.50949	0.32843	90.87802	ug/L	10/19/10	10:02	
61878-1	Se	0.36917	-0.40016	1.13851	294.71160	ug/L	10/19/10	10:02	
61878-1	Sb	-4.72721	-2.53539	-6.91902	65.57132	ug/L	10/19/10	10:02	
61878-1	Sn	-1.29890	-0.90874	-1.68906	42.47985	ug/L	10/19/10	10:02	
61878-1	Sr	4725.84814	4723.79003	4727.90625	0.06158	ug/L	10/19/10	10:02	
61878-1	Ti	-0.01152	0.05590	-0.07895	827.32263	ug/L	10/19/10	10:02	
61878-1	Tl	-2.73693	0.24216	-5.71603	153.93443	ug/L	10/19/10	10:02	
61878-1	V	-0.52865	-0.70908	-0.34823	48.26466	ug/L	10/19/10	10:02	
61878-1	Zn	1.10385	1.20495	1.00275	12.95281	ug/L	10/19/10	10:02	
61878-1	2203/1	5.31179	3.83539	6.78819	39.30780	ug/L	10/19/10	10:02	
61878-1	2203/2	-1.27415	0.34829	-2.89660	180.07966	ug/L	10/19/10	10:02	
61878-1	1960/1	-0.61502	-3.12363	1.89358	576.83837	ug/L	10/19/10	10:02	
61878-1	1960/2	0.86054	0.95953	0.76154	16.26832	ug/L	10/19/10	10:02	
61878-1	Y	951.93896	953.76593	950.11193	0.27142		10/19/10	10:02	
61938-1 1/100	Ag	0.93875	1.03607	0.84143	14.66144	ug/L	10/19/10	10:06	
61938-1 1/100	Al	6.68955	13.35031	0.02880	140.81250	ug/L	10/19/10	10:06	
61938-1 1/100	2Al	0.00668	0.01335	0.00002	140.81274	mg/L	10/19/10	10:06	
61938-1 1/100	As	-0.29608	0.06472	-0.65690	172.33708	ug/L	10/19/10	10:06	
61938-1 1/100	B	1.00522	1.80105	0.20938	111.96306	ug/L	10/19/10	10:06	
61938-1 1/100	Ba	1.07501	1.03008	1.11995	5.91159	ug/L	10/19/10	10:06	
61938-1 1/100	Be	0.00769	0.01119	0.00418	64.40833	ug/L	10/19/10	10:06	
61938-1 1/100	Ca	7300.25830	7323.20263	7277.31396	0.44448	ug/L	10/19/10	10:06	
61938-1 1/100	Cd	0.05176	0.08193	0.02158	82.44854	ug/L	10/19/10	10:06	
61938-1 1/100	Co	0.16634	0.08325	0.24942	70.63974	ug/L	10/19/10	10:06	
61938-1 1/100	Cr	-0.11170	0.40364	-0.62705	652.44171	ug/L	10/19/10	10:06	
61938-1 1/100	Cu	2.17218	3.18417	1.16020	65.88581	ug/L	10/19/10	10:06	
61938-1 1/100	Fe	71.71869	71.21903	72.21836	0.98528	ug/L	10/19/10	10:06	
61938-1 1/100	2Fe	0.07170	0.07121	0.07220	0.98535	mg/L	10/19/10	10:06	
61938-1 1/100	K	1568.56201	1565.96081	1571.16333	0.23452	ug/L	10/19/10	10:06	
61938-1 1/100	Mg	7185.29589	7210.72021	7159.87207	0.50039	ug/L	10/19/10	10:06	
61938-1 1/100	2Mg	7.18325	7.20867	7.15783	0.50039	mg/L	10/19/10	10:06	
61938-1 1/100	Mn	0.62880	0.79829	0.45930	38.12094	ug/L	10/19/10	10:06	
61938-1 1/100	Mo	1.02659	1.78392	0.26926	104.32763	ug/L	10/19/10	10:06	
61938-1 1/100	Na	70339.98437	70549.21875	70130.75781	0.42066	ug/L	10/19/10	10:06	
61938-1 1/100	Ni	0.87208	0.41945	1.32472	73.40112	ug/L	10/19/10	10:06	
61938-1 1/100	Pb	-1.82362	-2.37502	-1.27222	42.76094	ug/L	10/19/10	10:06	
61938-1 1/100	Se	3.42248	0.00417	6.84079	141.24871	ug/L	10/19/10	10:06	
61938-1 1/100	Sb	-3.43569	-7.43560	0.56421	164.64558	ug/L	10/19/10	10:06	
61938-1 1/100	Sn	2.10732	0.35973	3.85491	117.27990	ug/L	10/19/10	10:06	
61938-1 1/100	Sr	618.88934	620.21856	617.56011	0.30373	ug/L	10/19/10	10:06	
61938-1 1/100	Ti	-0.43878	-0.44010	-0.43745	0.42640	ug/L	10/19/10	10:06	
61938-1 1/100	Tl	-3.33337	-0.74811	-5.91863	109.68170	ug/L	10/19/10	10:06	
61938-1 1/100	V	0.06673	0.00778	0.12568	124.92084	ug/L	10/19/10	10:06	
61938-1 1/100	Zn	6.59309	6.47318	6.71301	2.57218	ug/L	10/19/10	10:06	
61938-1 1/100	2203/1	3.67972	3.99285	3.36659	12.03448	ug/L	10/19/10	10:06	
61938-1 1/100	2203/2	-4.57117	-5.55418	-3.58815	30.41221	ug/L	10/19/10	10:06	
61938-1 1/100	1960/1	9.00399	3.41813	14.58984	87.73434	ug/L	10/19/10	10:06	
61938-1 1/100	1960/2	0.63592	-1.70024	2.97208	519.53570	ug/L	10/19/10	10:06	
61938-1 1/100	Y	936.61645	934.14593	939.08697	0.37302		10/19/10	10:06	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61938-2 1/100	Ag	0.84886	1.41565	0.28206	94.42894	ug/L	10/19/10	10:10	
61938-2 1/100	Al	-8.76894	-9.27570	-8.26217	8.17284	ug/L	10/19/10	10:10	
61938-2 1/100	2Al	-0.00876	-0.00927	-0.00826	8.17285	mg/L	10/19/10	10:10	
61938-2 1/100	As	3.72805	5.18986	2.26625	55.45258	ug/L	10/19/10	10:10	
61938-2 1/100	B	36.53228	35.86353	37.20103	2.58880	ug/L	10/19/10	10:10	
61938-2 1/100	Ba	0.69158	0.58776	0.79539	21.22919	ug/L	10/19/10	10:10	
61938-2 1/100	Be	-0.00452	-0.01808	0.00903	423.84054	ug/L	10/19/10	10:10	
61938-2 1/100	Ca	5778.84863	5777.70898	5779.98876	0.02789	ug/L	10/19/10	10:10	
61938-2 1/100	Cd	0.06234	0.11672	0.00797	123.34126	ug/L	10/19/10	10:10	
61938-2 1/100	Co	-0.48450	-0.12184	-0.84717	105.85680	ug/L	10/19/10	10:10	
61938-2 1/100	Cr	0.10950	0.69954	-0.48054	762.03057	ug/L	10/19/10	10:10	
61938-2 1/100	Cu	0.54606	0.99188	0.10024	115.46017	ug/L	10/19/10	10:10	
61938-2 1/100	Fe	14.94776	-3.46885	33.36437	174.24029	ug/L	10/19/10	10:10	
61938-2 1/100	2Fe	0.01494	-0.00346	0.03335	174.24073	mg/L	10/19/10	10:10	
61938-2 1/100	K	4118.57714	4120.60791	4116.54687	0.06972	ug/L	10/19/10	10:10	
61938-2 1/100	Mg	11126.47070	11133.75781	11119.18457	0.09261	ug/L	10/19/10	10:10	
61938-2 1/100	2Mg	11.12332	11.13061	11.11603	0.09265	mg/L	10/19/10	10:10	
61938-2 1/100	Mn	0.08099	0.17977	-0.01778	172.46649	ug/L	10/19/10	10:10	
61938-2 1/100	Mo	0.50572	1.88024	-0.86878	384.36880	ug/L	10/19/10	10:10	
61938-2 1/100	Na	114043.22656	113602.02343	114484.42968	0.54712	ug/L	10/19/10	10:10	
61938-2 1/100	Ni	0.53046	0.19261	0.86832	90.07179	ug/L	10/19/10	10:10	
61938-2 1/100	Pb	-2.17835	-0.50610	-3.85060	108.56472	ug/L	10/19/10	10:10	
61938-2 1/100	Se	2.79939	3.25001	2.34876	22.76504	ug/L	10/19/10	10:10	
61938-2 1/100	Sb	-9.10689	-8.31570	-9.89807	12.28633	ug/L	10/19/10	10:10	
61938-2 1/100	Sn	-0.59109	-1.19802	0.01583	145.20948	ug/L	10/19/10	10:10	
61938-2 1/100	Sr	188.25219	188.16860	188.33578	0.06279	ug/L	10/19/10	10:10	
61938-2 1/100	Ti	-0.30371	-0.18005	-0.42737	57.57970	ug/L	10/19/10	10:10	
61938-2 1/100	Tl	-0.99474	-1.36164	-0.62784	52.16128	ug/L	10/19/10	10:10	
61938-2 1/100	V	0.06061	0.32376	-0.20254	614.00665	ug/L	10/19/10	10:10	
61938-2 1/100	Zn	0.36869	0.54319	0.19419	66.93305	ug/L	10/19/10	10:10	
61938-2 1/100	2203/1	2.42359	3.21319	1.63400	46.07452	ug/L	10/19/10	10:10	
61938-2 1/100	2203/2	-4.47588	-2.36296	-6.58879	66.76046	ug/L	10/19/10	10:10	
61938-2 1/100	1960/1	6.91269	0.85959	12.96578	123.83551	ug/L	10/19/10	10:10	
61938-2 1/100	1960/2	0.74582	4.44343	-2.95178	701.13031	ug/L	10/19/10	10:10	
61938-2 1/100	Y	931.82849	933.25494	930.40197	0.21649		10/19/10	10:10	
61938-2 1/500	Ag	0.43400	-0.16155	1.02955	194.06314	ug/L	10/19/10	10:15	
61938-2 1/500	Al	-7.02052	-3.61838	-10.42266	68.53269	ug/L	10/19/10	10:15	
61938-2 1/500	2Al	-0.00702	-0.00361	-0.01042	68.53276	mg/L	10/19/10	10:15	
61938-2 1/500	As	4.62820	7.95146	1.30493	101.54711	ug/L	10/19/10	10:15	
61938-2 1/500	B	4.79226	3.63641	5.94812	34.10971	ug/L	10/19/10	10:15	
61938-2 1/500	Ba	0.23161	0.03526	0.42795	119.88745	ug/L	10/19/10	10:15	
61938-2 1/500	Be	-0.01394	-0.03211	0.00423	184.38769	ug/L	10/19/10	10:15	
61938-2 1/500	Ca	1172.10327	1171.37255	1172.83410	0.08817	ug/L	10/19/10	10:15	
61938-2 1/500	Cd	0.02549	-0.16882	0.21980	1078.06994	ug/L	10/19/10	10:15	
61938-2 1/500	Co	0.82307	0.74947	0.89666	12.64479	ug/L	10/19/10	10:15	
61938-2 1/500	Cr	0.90918	1.07705	0.74130	26.11259	ug/L	10/19/10	10:15	
61938-2 1/500	Cu	1.09670	1.44294	0.75046	44.64809	ug/L	10/19/10	10:15	
61938-2 1/500	Fe	15.45819	-6.14360	37.05999	197.62695	ug/L	10/19/10	10:15	
61938-2 1/500	2Fe	0.01545	-0.00614	0.03705	197.62422	mg/L	10/19/10	10:15	
61938-2 1/500	K	793.10205	778.82257	807.38146	2.54622	ug/L	10/19/10	10:15	
61938-2 1/500	Mg	2220.96801	2223.14135	2218.79467	0.13838	ug/L	10/19/10	10:15	
61938-2 1/500	2Mg	2.22033	2.22251	2.21816	0.13863	mg/L	10/19/10	10:15	
61938-2 1/500	Mn	0.07212	0.12443	0.01981	102.56393	ug/L	10/19/10	10:15	
61938-2 1/500	Mo	-0.00893	-2.07532	2.05745	32707.28906	ug/L	10/19/10	10:15	
61938-2 1/500	Na	21418.86132	21301.53125	21536.19140	0.77469	ug/L	10/19/10	10:15	
61938-2 1/500	Ni	0.25988	-0.19803	0.71779	249.18553	ug/L	10/19/10	10:15	
61938-2 1/500	Pb	-0.38551	-0.02294	-0.74808	133.00277	ug/L	10/19/10	10:15	
61938-2 1/500	Se	1.13533	-1.22797	3.49864	294.38208	ug/L	10/19/10	10:15	
61938-2 1/500	Sb	-2.21531	-2.90206	-1.52856	43.84098	ug/L	10/19/10	10:15	
61938-2 1/500	Sn	0.95444	1.36808	0.54079	61.29047	ug/L	10/19/10	10:15	
61938-2 1/500	Sr	38.27495	38.22651	38.32340	0.17899	ug/L	10/19/10	10:15	
61938-2 1/500	Ti	0.13770	0.02929	0.24612	111.33895	ug/L	10/19/10	10:15	
61938-2 1/500	Tl	-3.57361	-2.48918	-4.65804	42.91493	ug/L	10/19/10	10:15	
61938-2 1/500	V	0.23046	-0.43739	0.89833	409.81985	ug/L	10/19/10	10:15	
61938-2 1/500	Zn	0.88142	1.22558	0.53726	55.21973	ug/L	10/19/10	10:15	
61938-2 1/500	2203/1	1.46514	-2.20503	5.13533	354.25976	ug/L	10/19/10	10:15	
61938-2 1/500	2203/2	-1.30946	1.06645	-3.68538	256.59829	ug/L	10/19/10	10:15	
61938-2 1/500	1960/1	0.62686	-7.97208	9.22581	1939.94104	ug/L	10/19/10	10:15	
61938-2 1/500	1960/2	1.38917	2.13902	0.63931	76.33741	ug/L	10/19/10	10:15	
61938-2 1/500	Y	940.80151	942.59698	939.00598	0.26989		10/19/10	10:15	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61938-3 1/500	Ag	0.83787	2.02503	-0.34928	200.37463	ug/L	10/19/10	10:29	
61938-3 1/500	Al	24.07701	14.28055	33.87347	57.54154	ug/L	10/19/10	10:29	
61938-3 1/500	2Al	0.02407	0.01428	0.03387	57.54152	mg/L	10/19/10	10:29	
61938-3 1/500	As	-0.47341	-3.80579	2.85896	995.46984	ug/L	10/19/10	10:29	
61938-3 1/500	B	39.15267	36.61533	41.69001	9.16500	ug/L	10/19/10	10:29	
61938-3 1/500	Ba	0.34898	0.34874	0.34922	0.09674	ug/L	10/19/10	10:29	
61938-3 1/500	Be	0.00987	0.03435	-0.01461	350.83184	ug/L	10/19/10	10:29	
61938-3 1/500	Ca	755.93469	753.53302	758.33636	0.44930	ug/L	10/19/10	10:29	
61938-3 1/500	Cd	-0.16274	-0.18584	-0.13964	20.07276	ug/L	10/19/10	10:29	
61938-3 1/500	Co	0.52124	0.04698	0.99551	128.67283	ug/L	10/19/10	10:29	
61938-3 1/500	Cr	0.76410	0.25035	1.27786	95.08585	ug/L	10/19/10	10:29	
61938-3 1/500	Cu	0.96341	-0.82629	2.75311	262.71426	ug/L	10/19/10	10:29	
61938-3 1/500	Fe	10.71221	24.90702	-3.48260	187.39823	ug/L	10/19/10	10:29	
61938-3 1/500	2Fe	0.01071	0.02490	-0.00348	187.39224	mg/L	10/19/10	10:29	
61938-3 1/500	K	3129.95727	3110.97680	3148.93774	0.85759	ug/L	10/19/10	10:29	
61938-3 1/500	Mg	328.42944	321.54321	335.31570	2.96520	ug/L	10/19/10	10:29	
61938-3 1/500	2Mg	0.32833	0.32144	0.33522	2.96630	mg/L	10/19/10	10:29	
61938-3 1/500	Mn	1.53764	1.51257	1.56271	2.30557	ug/L	10/19/10	10:29	
61938-3 1/500	Mo	1.39643	1.20674	1.58613	19.21071	ug/L	10/19/10	10:29	
61938-3 1/500	Na	5210.40283	5197.06152	5223.74414	0.36211	ug/L	10/19/10	10:29	
61938-3 1/500	Ni	0.18920	1.03198	-0.65358	629.94738	ug/L	10/19/10	10:29	
61938-3 1/500	Pb	-1.89306	-3.81904	0.03290	143.87966	ug/L	10/19/10	10:29	
61938-3 1/500	Se	-2.32370	-0.73268	-3.91472	96.82983	ug/L	10/19/10	10:29	
61938-3 1/500	Sb	-4.70510	-1.47442	-7.93578	97.10457	ug/L	10/19/10	10:29	
61938-3 1/500	Sn	-0.15234	1.97543	-2.28012	1975.17456	ug/L	10/19/10	10:29	
61938-3 1/500	Sr	5.68922	5.62323	5.75521	1.64032	ug/L	10/19/10	10:29	
61938-3 1/500	Ti	0.54089	0.13408	0.94771	106.36518	ug/L	10/19/10	10:29	
61938-3 1/500	Tl	2.39471	4.02849	0.76092	96.48432	ug/L	10/19/10	10:29	
61938-3 1/500	V	0.93443	1.27888	0.58999	52.12969	ug/L	10/19/10	10:29	
61938-3 1/500	Zn	0.57073	0.11823	1.02323	112.12438	ug/L	10/19/10	10:29	
61938-3 1/500	2203/1	0.98006	7.00099	-5.04086	868.80950	ug/L	10/19/10	10:29	
61938-3 1/500	2203/2	-3.32747	-9.22094	2.56598	250.47863	ug/L	10/19/10	10:29	
61938-3 1/500	1960/1	3.95335	10.22643	-2.31972	224.40361	ug/L	10/19/10	10:29	
61938-3 1/500	1960/2	-5.45753	-6.20403	-4.71102	19.34425	ug/L	10/19/10	10:29	
61938-3 1/500	Y	940.77441	942.07495	939.47393	0.19549		10/19/10	10:29	
CCV	Ag	501.87268	502.12805	501.61734	0.07195	ug/L	10/19/10	10:40	
CCV	Al	5148.66699	5143.18261	5154.15136	0.15064	ug/L	10/19/10	10:40	
CCV	2Al	5.14864	5.14305	5.15423	0.15360	mg/L	10/19/10	10:40	
CCV	As	498.83273	494.75289	502.91256	1.15665	ug/L	10/19/10	10:40	
CCV	B	4940.79003	4933.79589	4947.78369	0.20018	ug/L	10/19/10	10:40	
CCV	Ba	5055.82714	5056.84130	5054.81250	0.02837	ug/L	10/19/10	10:40	
CCV	Be	488.03076	487.08972	488.97177	0.27268	ug/L	10/19/10	10:40	
CCV	Ca	4861.81250	4858.64013	4864.98437	0.09227	ug/L	10/19/10	10:40	
CCV	Cd	481.26733	482.04370	480.49099	0.22813	ug/L	10/19/10	10:40	
CCV	Co	494.21029	493.36401	495.05657	0.24216	ug/L	10/19/10	10:40	
CCV	Cr	4919.77294	4914.80566	4924.74023	0.14278	ug/L	10/19/10	10:40	
CCV	Cu	5083.12011	5079.58593	5086.65380	0.09832	ug/L	10/19/10	10:40	
CCV	Fe	4891.22656	4927.84619	4854.60742	1.05878	ug/L	10/19/10	10:40	
CCV	2Fe	4.89123	4.92785	4.85462	1.05863	mg/L	10/19/10	10:40	
CCV	K	10589.23828	10598.85937	10579.61718	0.12849	ug/L	10/19/10	10:40	
CCV	Mg	4949.48437	4945.32226	4953.64599	0.11891	ug/L	10/19/10	10:40	
CCV	2Mg	4.94951	4.94534	4.95367	0.11909	mg/L	10/19/10	10:40	
CCV	Mn	4985.20849	4982.53466	4987.88232	0.07585	ug/L	10/19/10	10:40	
CCV	Mo	484.04412	482.43728	485.65100	0.46946	ug/L	10/19/10	10:40	
CCV	Na	7812.22558	7846.37988	7778.07080	0.61828	ug/L	10/19/10	10:40	
CCV	Ni	2452.73876	2453.14257	2452.33471	0.02329	ug/L	10/19/10	10:40	
CCV	Pb	491.09982	487.68597	494.51367	0.98308	ug/L	10/19/10	10:40	
CCV	Se	4874.13330	4874.25683	4874.00976	0.00358	ug/L	10/19/10	10:40	
CCV	Sb	498.70483	508.73715	488.67248	2.84494	ug/L	10/19/10	10:40	
CCV	Sn	4888.53320	4883.11718	4893.94873	0.15667	ug/L	10/19/10	10:40	
CCV	Sr	2516.84423	2511.30639	2522.38208	0.31117	ug/L	10/19/10	10:40	
CCV	Ti	494.73162	494.53143	494.93182	0.05722	ug/L	10/19/10	10:40	
CCV	Tl	4895.73339	4899.70361	4891.76318	0.11468	ug/L	10/19/10	10:40	
CCV	V	4995.00488	4994.06591	4995.94384	0.02658	ug/L	10/19/10	10:40	
CCV	Zn	2423.79516	2421.41992	2426.17041	0.13858	ug/L	10/19/10	10:40	
CCV	2203/1	500.94348	502.32479	499.56216	0.38995	ug/L	10/19/10	10:40	
CCV	2203/2	486.18536	480.37753	491.99322	1.68938	ug/L	10/19/10	10:40	
CCV	1960/1	4996.40234	5009.41992	4983.38525	0.36845	ug/L	10/19/10	10:40	
CCV	1960/2	4813.08984	4806.77636	4819.40380	0.18551	ug/L	10/19/10	10:40	
CCV	Y	931.46398	931.63494	931.29296	0.02596		10/19/10	10:40	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	2.98517	0.66513	5.30522	109.91101	ug/L	10/19/10	10:45	
CCB	Al	-12.97583	-5.63001	-20.32166	80.06083	ug/L	10/19/10	10:45	
CCB	2Al	-0.01297	-0.00563	-0.02032	80.06101	mg/L	10/19/10	10:45	
CCB	As	-3.23585	1.25600	-7.72772	196.31427	ug/L	10/19/10	10:45	
CCB	B	6.84087	10.39430	3.28745	73.45994	ug/L	10/19/10	10:45	
CCB	Ba	0.95705	0.22410	1.69001	108.30638	ug/L	10/19/10	10:45	
CCB	Be	0.11974	-0.00258	0.24208	144.47613	ug/L	10/19/10	10:45	
CCB	Ca	6.67078	3.41163	9.92994	69.09441	ug/L	10/19/10	10:45	
CCB	Cd	0.74095	0.19328	1.28862	104.53063	ug/L	10/19/10	10:45	
CCB	Co	-0.90310	0.21625	-2.02246	175.28591	ug/L	10/19/10	10:45	
CCB	Cr	-0.37723	0.36115	-1.11561	276.81765	ug/L	10/19/10	10:45	
CCB	Cu	-1.37300	0.59758	-3.34360	202.97338	ug/L	10/19/10	10:45	
CCB	Fe	60.97290	-3.57097	125.51678	149.70393	ug/L	10/19/10	10:45	
CCB	2Fe	0.06096	-0.00357	0.12550	149.70382	mg/L	10/19/10	10:45	
CCB	K	75.43232	4.71925	146.14540	132.57363	ug/L	10/19/10	10:45	
CCB	Mg	-12.21985	-5.77558	-18.66411	74.58002	ug/L	10/19/10	10:45	
CCB	2Mg	-0.01222	-0.00577	-0.01868	74.64642	mg/L	10/19/10	10:45	
CCB	Mn	-0.07027	0.06763	-0.20818	277.52963	ug/L	10/19/10	10:45	
CCB	Mo	1.35473	0.08105	2.62840	132.95986	ug/L	10/19/10	10:45	
CCB	Na	617.71936	-18.54018	1253.97888	145.66596	ug/L	10/19/10	10:45	
CCB	Ni	3.29907	-1.01533	7.61348	184.94567	ug/L	10/19/10	10:45	
CCB	Pb	-1.30017	-2.17811	-0.42222	95.49521	ug/L	10/19/10	10:45	
CCB	Se	9.85546	0.51419	19.19673	134.04296	ug/L	10/19/10	10:45	
CCB	Sb	10.14783	-3.27956	23.57522	187.12573	ug/L	10/19/10	10:45	
CCB	Sn	10.13486	3.54153	16.72820	92.00298	ug/L	10/19/10	10:45	
CCB	Sr	-0.03423	0.12089	-0.18936	640.77484	ug/L	10/19/10	10:45	
CCB	Ti	-0.48450	-0.11841	-0.85059	106.85628	ug/L	10/19/10	10:45	
CCB	Tl	1.83581	-2.83091	6.50253	359.50042	ug/L	10/19/10	10:45	
CCB	V	3.83138	-0.28436	7.94713	151.91761	ug/L	10/19/10	10:45	
CCB	Zn	-0.43508	-0.22413	-0.64603	68.56870	ug/L	10/19/10	10:45	
CCB	2203/1	15.95345	-1.34413	33.25105	153.33662	ug/L	10/19/10	10:45	
CCB	2203/2	-9.91405	-2.59448	-17.23362	104.41175	ug/L	10/19/10	10:45	
CCB	1960/1	17.99150	-7.56474	43.54776	200.88365	ug/L	10/19/10	10:45	
CCB	1960/2	5.79354	4.54760	7.03948	30.41363	ug/L	10/19/10	10:45	
CCB	Y	931.70245	926.71197	936.69293	0.75749		10/19/10	10:45	
CCV	Ag	500.76965	500.72854	500.81072	0.01160	ug/L	10/19/10	10:51	
CCV	Al	5110.00781	5106.66796	5113.34814	0.09243	ug/L	10/19/10	10:51	
CCV	2Al	5.11030	5.10696	5.11364	0.09243	mg/L	10/19/10	10:51	
CCV	As	501.00738	502.78976	499.22503	0.50311	ug/L	10/19/10	10:51	
CCV	B	4958.55078	4959.98632	4957.11572	0.04093	ug/L	10/19/10	10:51	
CCV	Ba	5028.75195	5023.94384	5033.56054	0.13522	ug/L	10/19/10	10:51	
CCV	Be	491.45172	491.53421	491.36923	0.02373	ug/L	10/19/10	10:51	
CCV	Ca	4877.04882	4878.96923	4875.12792	0.05569	ug/L	10/19/10	10:51	
CCV	Cd	483.61663	483.47348	483.75979	0.04186	ug/L	10/19/10	10:51	
CCV	Co	497.09942	496.80444	497.39437	0.08391	ug/L	10/19/10	10:51	
CCV	Cr	4941.50292	4940.40722	4942.59863	0.03135	ug/L	10/19/10	10:51	
CCV	Cu	5055.06152	5054.49560	5055.62744	0.01583	ug/L	10/19/10	10:51	
CCV	Fe	4895.25000	4915.95947	4874.54003	0.59829	ug/L	10/19/10	10:51	
CCV	2Fe	4.89526	4.91596	4.87455	0.59822	mg/L	10/19/10	10:51	
CCV	K	10423.42578	10414.01464	10432.83593	0.12768	ug/L	10/19/10	10:51	
CCV	Mg	4983.33691	4993.86328	4972.81103	0.29871	ug/L	10/19/10	10:51	
CCV	2Mg	4.98336	4.99388	4.97283	0.29857	mg/L	10/19/10	10:51	
CCV	Mn	5001.68457	5005.84765	4997.52148	0.11771	ug/L	10/19/10	10:51	
CCV	Mo	482.66543	483.14089	482.18997	0.13931	ug/L	10/19/10	10:51	
CCV	Na	7764.23925	7814.37792	7714.10107	0.91324	ug/L	10/19/10	10:51	
CCV	Ni	2468.73095	2475.10253	2462.35961	0.36498	ug/L	10/19/10	10:51	
CCV	Pb	494.86975	490.97015	498.76931	1.11440	ug/L	10/19/10	10:51	
CCV	Se	4907.95605	4888.58251	4927.32958	0.55824	ug/L	10/19/10	10:51	
CCV	Sb	493.96627	498.38562	489.54693	1.26524	ug/L	10/19/10	10:51	
CCV	Sn	4913.89160	4919.69628	4908.08740	0.16705	ug/L	10/19/10	10:51	
CCV	Sr	2503.89160	2500.85668	2506.92626	0.17140	ug/L	10/19/10	10:51	
CCV	Ti	495.07525	495.07546	495.07501	0.00006	ug/L	10/19/10	10:51	
CCV	Tl	4918.37353	4917.12646	4919.62060	0.03585	ug/L	10/19/10	10:51	
CCV	V	4995.22753	4999.98095	4990.47363	0.13458	ug/L	10/19/10	10:51	
CCV	Zn	2442.73681	2445.99975	2439.47363	0.18891	ug/L	10/19/10	10:51	
CCV	2203/1	502.81396	499.82348	505.80444	0.84110	ug/L	10/19/10	10:51	
CCV	2203/2	490.90359	486.55014	495.25704	1.25415	ug/L	10/19/10	10:51	
CCV	1960/1	5003.85156	4989.59960	5018.10400	0.40280	ug/L	10/19/10	10:51	
CCV	1960/2	4860.08007	4838.14990	4882.01025	0.63813	ug/L	10/19/10	10:51	
CCV	Y	943.73547	946.92596	940.54498	0.47810		10/19/10	10:51	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.03688	0.21267	-0.28644	956.79840	ug/L	10/19/10	10:56	
CCB	Al	-12.48906	-9.06321	-15.91491	38.79301	ug/L	10/19/10	10:56	
CCB	2Al	-0.01248	-0.00906	-0.01591	38.79295	mg/L	10/19/10	10:56	
CCB	As	1.91063	5.30622	-1.48496	251.33587	ug/L	10/19/10	10:56	
CCB	B	10.00666	14.04958	5.96374	57.13746	ug/L	10/19/10	10:56	
CCB	Ba	0.36404	0.70854	0.01955	133.82514	ug/L	10/19/10	10:56	
CCB	Be	0.01585	0.03519	-0.00348	172.55607	ug/L	10/19/10	10:56	
CCB	Ca	1.17630	2.42748	-0.07487	150.42346	ug/L	10/19/10	10:56	
CCB	Cd	0.35609	0.52045	0.19172	65.27745	ug/L	10/19/10	10:56	
CCB	Co	0.08292	1.06405	-0.89821	1673.33532	ug/L	10/19/10	10:56	
CCB	Cr	-0.65079	-0.62622	-0.67535	5.33754	ug/L	10/19/10	10:56	
CCB	Cu	0.27968	0.97861	-0.41924	353.40914	ug/L	10/19/10	10:56	
CCB	Fe	9.38779	22.10821	-3.33261	191.62518	ug/L	10/19/10	10:56	
CCB	2Fe	0.00938	0.02210	-0.00333	191.62982	mg/L	10/19/10	10:56	
CCB	K	8.52871	23.46810	-6.41067	247.72192	ug/L	10/19/10	10:56	
CCB	Mg	-5.77449	-2.56452	-8.98445	78.61430	ug/L	10/19/10	10:56	
CCB	2Mg	-0.00577	-0.00256	-0.00898	78.54064	mg/L	10/19/10	10:56	
CCB	Mn	0.16828	0.39470	-0.05813	190.27436	ug/L	10/19/10	10:56	
CCB	Mo	2.33004	2.98475	1.67534	39.73728	ug/L	10/19/10	10:56	
CCB	Na	45.44743	203.48579	-112.59092	491.77691	ug/L	10/19/10	10:56	
CCB	Ni	0.46119	0.65169	0.27070	58.41444	ug/L	10/19/10	10:56	
CCB	Pb	-0.36533	-0.18541	-0.54525	69.64844	ug/L	10/19/10	10:56	
CCB	Se	1.71382	-1.30650	4.73414	249.23187	ug/L	10/19/10	10:56	
CCB	Sb	-3.15813	-2.75277	-3.56350	18.15216	ug/L	10/19/10	10:56	
CCB	Sn	3.26132	6.91552	-0.39286	158.45718	ug/L	10/19/10	10:56	
CCB	Sr	0.07122	0.14958	-0.00713	155.57858	ug/L	10/19/10	10:56	
CCB	Ti	0.04694	0.07399	0.01990	81.45898	ug/L	10/19/10	10:56	
CCB	Tl	-5.18444	-4.17382	-6.19506	27.56767	ug/L	10/19/10	10:56	
CCB	V	0.18553	0.78847	-0.41739	459.56335	ug/L	10/19/10	10:56	
CCB	Zn	0.04707	0.46160	-0.36746	1245.37341	ug/L	10/19/10	10:56	
CCB	2203/1	2.99157	5.69554	0.28760	127.82546	ug/L	10/19/10	10:56	
CCB	2203/2	-2.04127	-3.12148	-0.96106	74.83792	ug/L	10/19/10	10:56	
CCB	1960/1	7.08556	8.34920	5.82191	25.22125	ug/L	10/19/10	10:56	
CCB	1960/2	-0.96802	-6.12712	4.19108	753.70983	ug/L	10/19/10	10:56	
CCB	Y	942.90747	943.47894	942.33593	0.08571		10/19/10	10:56	
PBW 183192	Ag	13.38874	16.37902	10.39846	31.58542	ug/L	10/19/10	11:03	
PBW 183192	Al	548.03851	676.84100	419.23602	33.23748	ug/L	10/19/10	11:03	
PBW 183192	2Al	0.54807	0.67688	0.41926	33.23749	mg/L	10/19/10	11:03	
PBW 183192	As	551.15722	679.92974	422.38464	33.04173	ug/L	10/19/10	11:03	
PBW 183192	B	264.54345	325.71484	203.37205	32.70140	ug/L	10/19/10	11:03	
PBW 183192	Ba	560.84521	691.95611	429.73434	33.06060	ug/L	10/19/10	11:03	
PBW 183192	Be	13.45251	16.59165	10.31337	33.00057	ug/L	10/19/10	11:03	
PBW 183192	Ca	1322.18579	1629.71630	1014.65521	32.89355	ug/L	10/19/10	11:03	
PBW 183192	Cd	13.87773	17.29052	10.46493	34.77815	ug/L	10/19/10	11:03	
PBW 183192	Co	137.30818	168.95468	105.66167	32.59450	ug/L	10/19/10	11:03	
PBW 183192	Cr	53.81983	66.54584	41.09381	33.43991	ug/L	10/19/10	11:03	
PBW 183192	Cu	68.24986	84.89728	51.60243	34.49532	ug/L	10/19/10	11:03	
PBW 183192	Fe	298.61538	362.68859	234.54219	30.34444	ug/L	10/19/10	11:03	
PBW 183192	2Fe	0.29863	0.36271	0.23455	30.34489	mg/L	10/19/10	11:03	
PBW 183192	K	1414.14672	1733.62377	1094.66967	31.94921	ug/L	10/19/10	11:03	
PBW 183192	Mg	1314.30175	1624.79467	1003.80877	33.40962	ug/L	10/19/10	11:03	
PBW 183192	2Mg	1.31394	1.62435	1.00353	33.40973	mg/L	10/19/10	11:03	
PBW 183192	Mn	138.20104	170.55358	105.84851	33.10639	ug/L	10/19/10	11:03	
PBW 183192	Mo	131.22799	161.85064	100.60533	33.00132	ug/L	10/19/10	11:03	
PBW 183192	Na	1741.26025	2172.74560	1309.77490	35.04430	ug/L	10/19/10	11:03	
PBW 183192	Ni	137.47891	169.81362	105.14418	33.26197	ug/L	10/19/10	11:03	
PBW 183192	Pb	143.86895	180.94604	106.79186	36.44631	ug/L	10/19/10	11:03	
PBW 183192	Se	597.17340	743.36236	450.98443	34.62016	ug/L	10/19/10	11:03	
PBW 183192	Sb	133.34721	165.13301	101.56142	33.71041	ug/L	10/19/10	11:03	
PBW 183192	Sn	272.07217	335.82458	208.31976	33.13809	ug/L	10/19/10	11:03	
PBW 183192	Sr	136.71823	168.64823	104.78821	33.02840	ug/L	10/19/10	11:03	
PBW 183192	Ti	264.30609	326.17739	202.43475	33.10527	ug/L	10/19/10	11:03	
PBW 183192	Tl	559.56921	689.05975	430.07873	32.72646	ug/L	10/19/10	11:03	
PBW 183192	V	137.32946	169.28648	105.37244	32.90921	ug/L	10/19/10	11:03	
PBW 183192	Zn	137.52989	169.07174	105.98802	32.43434	ug/L	10/19/10	11:03	
PBW 183192	2203/1	134.16757	163.81875	104.51637	31.25428	ug/L	10/19/10	11:03	
PBW 183192	2203/2	148.71237	189.49684	107.92790	38.78490	ug/L	10/19/10	11:03	
PBW 183192	1960/1	540.26867	655.84777	424.68963	30.25411	ug/L	10/19/10	11:03	
PBW 183192	1960/2	625.58294	787.05389	464.11199	36.50265	ug/L	10/19/10	11:03	
PBW 183192	Y	951.48895	950.00396	952.97393	0.22071		10/19/10	11:03	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 183192	Ag	0.88844	0.39422	1.38265	78.66870	ug/L	10/19/10	11:10	
PBW 183192	Al	-7.27448	-15.12194	0.57298	152.56063	ug/L	10/19/10	11:10	
PBW 183192	2Al	-0.00727	-0.01512	0.00057	152.56063	mg/L	10/19/10	11:10	
PBW 183192	As	-3.88006	-5.21490	-2.54522	48.65234	ug/L	10/19/10	11:10	
PBW 183192	B	-2.67134	-2.88008	-2.46260	11.05055	ug/L	10/19/10	11:10	
PBW 183192	Ba	0.33910	0.11423	0.56397	93.78163	ug/L	10/19/10	11:10	
PBW 183192	Be	0.00639	-0.00770	0.02049	311.75711	ug/L	10/19/10	11:10	
PBW 183192	Ca	9.86646	8.92612	10.80680	13.47845	ug/L	10/19/10	11:10	
PBW 183192	Cd	-0.13869	-0.37533	0.09795	241.29910	ug/L	10/19/10	11:10	
PBW 183192	Co	-0.75890	-1.45769	-0.06011	130.21865	ug/L	10/19/10	11:10	
PBW 183192	Cr	-1.15526	-1.34834	-0.96218	23.63546	ug/L	10/19/10	11:10	
PBW 183192	Cu	-0.79671	-1.26768	-0.32574	83.59970	ug/L	10/19/10	11:10	
PBW 183192	Fe	32.05682	7.44890	56.66474	108.55987	ug/L	10/19/10	11:10	
PBW 183192	2Fe	0.03205	0.00744	0.05665	108.56221	mg/L	10/19/10	11:10	
PBW 183192	K	22.99528	6.16442	39.82614	103.51001	ug/L	10/19/10	11:10	
PBW 183192	Mg	-8.94268	-12.12302	-5.76234	50.29452	ug/L	10/19/10	11:10	
PBW 183192	2Mg	-0.00894	-0.01212	-0.00577	50.19588	mg/L	10/19/10	11:10	
PBW 183192	Mn	0.33653	0.25430	0.41876	34.55520	ug/L	10/19/10	11:10	
PBW 183192	Mo	-0.47542	1.19500	-2.14585	496.89202	ug/L	10/19/10	11:10	
PBW 183192	Na	73.48625	-100.45473	247.42724	334.74246	ug/L	10/19/10	11:10	
PBW 183192	Ni	0.08967	-0.98821	1.16756	1699.91918	ug/L	10/19/10	11:10	
PBW 183192	Pb	-2.80559	-3.98691	-1.62428	59.54641	ug/L	10/19/10	11:10	
PBW 183192	Se	-0.07940	0.83531	-0.99412	1629.11743	ug/L	10/19/10	11:10	
PBW 183192	Sb	-5.03852	-13.11804	3.04099	226.77612	ug/L	10/19/10	11:10	
PBW 183192	Sn	8.46952	5.98276	10.95627	41.52308	ug/L	10/19/10	11:10	
PBW 183192	Sr	-0.03288	-0.09012	0.02435	246.17013	ug/L	10/19/10	11:10	
PBW 183192	Ti	-0.15335	-0.22029	-0.08641	61.72852	ug/L	10/19/10	11:10	
PBW 183192	Tl	-0.44287	-1.33044	0.44468	283.42044	ug/L	10/19/10	11:10	
PBW 183192	V	-0.51466	-1.36385	0.33452	233.34454	ug/L	10/19/10	11:10	
PBW 183192	Zn	0.69212	0.31559	1.06866	76.93706	ug/L	10/19/10	11:10	
PBW 183192	2203/1	7.30527	7.49364	7.11691	3.64649	ug/L	10/19/10	11:10	
PBW 183192	2203/2	-7.85345	-9.71858	-5.98832	33.58638	ug/L	10/19/10	11:10	
PBW 183192	1960/1	9.35437	10.34119	8.36755	14.91893	ug/L	10/19/10	11:10	
PBW 183192	1960/2	-4.78922	-3.91049	-5.66795	25.94794	ug/L	10/19/10	11:10	
PBW 183192	Y	952.21350	952.00195	952.42498	0.03141		10/19/10	11:10	
LCSW-1	Ag	46.07278	47.03840	45.10717	2.96398	ug/L	10/19/10	11:15	
LCSW-1	Al	2094.97265	2096.53833	2093.40698	0.10569	ug/L	10/19/10	11:15	
LCSW-1	2Al	2.09510	2.09667	2.09354	0.10569	mg/L	10/19/10	11:15	
LCSW-1	As	2041.28161	2047.31005	2035.25317	0.41765	ug/L	10/19/10	11:15	
LCSW-1	B	986.29003	984.02520	988.55487	0.32474	ug/L	10/19/10	11:15	
LCSW-1	Ba	2094.63330	2096.42089	2092.84570	0.12069	ug/L	10/19/10	11:15	
LCSW-1	Be	50.79129	50.90856	50.67403	0.32651	ug/L	10/19/10	11:15	
LCSW-1	Ca	4995.31738	5002.44628	4988.18798	0.20183	ug/L	10/19/10	11:15	
LCSW-1	Cd	51.31163	51.48069	51.14257	0.46595	ug/L	10/19/10	11:15	
LCSW-1	Co	520.24060	520.55535	519.92590	0.08555	ug/L	10/19/10	11:15	
LCSW-1	Cr	207.28160	207.05387	207.50932	0.15536	ug/L	10/19/10	11:15	
LCSW-1	Cu	260.98107	261.25970	260.70242	0.15099	ug/L	10/19/10	11:15	
LCSW-1	Fe	1076.05224	1091.59082	1060.51367	2.04217	ug/L	10/19/10	11:15	
LCSW-1	2Fe	1.07613	1.09167	1.06059	2.04178	mg/L	10/19/10	11:15	
LCSW-1	K	5142.23535	5161.00292	5123.46777	0.51614	ug/L	10/19/10	11:15	
LCSW-1	Mg	5043.05517	5055.55273	5030.55761	0.35046	ug/L	10/19/10	11:15	
LCSW-1	2Mg	5.04168	5.05417	5.02918	0.35039	mg/L	10/19/10	11:15	
LCSW-1	Mn	522.40917	522.88616	521.93225	0.12911	ug/L	10/19/10	11:15	
LCSW-1	Mo	493.52966	493.07135	493.98794	0.13132	ug/L	10/19/10	11:15	
LCSW-1	Na	5351.91210	5583.77294	5120.05126	6.12679	ug/L	10/19/10	11:15	
LCSW-1	Ni	514.81597	519.30944	510.32250	1.23436	ug/L	10/19/10	11:15	
LCSW-1	Pb	513.36669	513.66705	513.06640	0.08273	ug/L	10/19/10	11:15	
LCSW-1	Se	2049.13818	2049.31542	2048.96069	0.01224	ug/L	10/19/10	11:15	
LCSW-1	Sb	497.77487	502.58215	492.96759	1.36578	ug/L	10/19/10	11:15	
LCSW-1	Sn	1010.03454	1010.35754	1009.71148	0.04522	ug/L	10/19/10	11:15	
LCSW-1	Sr	513.36065	513.79241	512.92889	0.11894	ug/L	10/19/10	11:15	
LCSW-1	Ti	996.13391	996.04705	996.22070	0.01232	ug/L	10/19/10	11:15	
LCSW-1	Tl	2105.07861	2113.07348	2097.08398	0.53709	ug/L	10/19/10	11:15	
LCSW-1	V	514.68603	515.48858	513.88354	0.22051	ug/L	10/19/10	11:15	
LCSW-1	Zn	519.97705	520.60211	519.35198	0.17000	ug/L	10/19/10	11:15	
LCSW-1	2203/1	517.06518	521.45965	512.67065	1.20193	ug/L	10/19/10	11:15	
LCSW-1	2203/2	511.52026	509.77655	513.26397	0.48208	ug/L	10/19/10	11:15	
LCSW-1	1960/1	2084.00634	2093.20825	2074.80444	0.62444	ug/L	10/19/10	11:15	
LCSW-1	1960/2	2031.72949	2027.40136	2036.05773	0.30126	ug/L	10/19/10	11:15	
LCSW-1	Y	957.88342	957.60894	958.15795	0.04052		10/19/10	11:15	

0101810

SNPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62237-1	Ag	0.68279	1.34872	0.01686	137.92732	ug/L	10/19/10	11:20	
62237-1	Al	35262.67187	35299.62890	35225.71093	0.14822	ug/L	10/19/10	11:20	
62237-1	2Al	35.26346	35.29888	35.22804	0.14204	mg/L	10/19/10	11:20	
62237-1	As	28.67414	24.13567	33.21260	22.38377	ug/L	10/19/10	11:20	
62237-1	B	12.06878	12.18082	11.95673	1.31292	ug/L	10/19/10	11:20	
62237-1	Ba	116.46392	116.75875	116.16908	0.35801	ug/L	10/19/10	11:20	
62237-1	Be	1.04890	1.06873	1.02908	2.67289	ug/L	10/19/10	11:20	
62237-1	Ca	365.77276	367.33624	364.20928	0.60449	ug/L	10/19/10	11:20	
62237-1	Cd	-0.07943	0.10146	-0.26033	322.05535	ug/L	10/19/10	11:20	
62237-1	Co	6.68741	6.12671	7.24811	11.85728	ug/L	10/19/10	11:20	
62237-1	Cr	207.38690	206.82458	207.94920	0.38345	ug/L	10/19/10	11:20	
62237-1	Cu	38.16344	37.54508	38.78180	2.29143	ug/L	10/19/10	11:20	
62237-1	Fe	69329.34375	69371.94531	69286.73437	0.08690	ug/L	10/19/10	11:20	
62237-1	2Fe	69.31796	69.35795	69.27796	0.08159	mg/L	10/19/10	11:20	
62237-1	K	3117.34863	3127.95800	3106.73925	0.48130	ug/L	10/19/10	11:20	
62237-1	Mg	2261.13256	2260.06567	2262.19946	0.06672	ug/L	10/19/10	11:20	
62237-1	2Mg	2.24837	2.24729	2.24944	0.06753	mg/L	10/19/10	11:20	
62237-1	Mn	145.89727	145.76228	146.03228	0.13086	ug/L	10/19/10	11:20	
62237-1	Mo	2.94297	6.16656	-0.28060	154.90568	ug/L	10/19/10	11:20	
62237-1	Na	321.34875	388.71017	253.98731	29.64487	ug/L	10/19/10	11:20	
62237-1	Ni	14.72974	15.36751	14.09196	6.12331	ug/L	10/19/10	11:20	
62237-1	Pb	37.94664	38.62740	37.26586	2.53712	ug/L	10/19/10	11:20	
62237-1	Se	3.78434	8.16091	-0.59223	163.55322	ug/L	10/19/10	11:20	
62237-1	Sb	-1.93849	1.16574	-5.04274	226.46705	ug/L	10/19/10	11:20	
62237-1	Sn	15.01459	17.59889	12.43028	24.34138	ug/L	10/19/10	11:20	
62237-1	Sr	17.67213	17.65670	17.68755	0.12345	ug/L	10/19/10	11:20	
62237-1	Ti	944.56542	944.23242	944.89837	0.04985	ug/L	10/19/10	11:20	
62237-1	Tl	2.89090	2.29210	3.48969	29.29269	ug/L	10/19/10	11:20	
62237-1	V	201.30459	201.51330	201.09587	0.14662	ug/L	10/19/10	11:20	
62237-1	Zn	54.33717	53.79185	54.88248	1.41926	ug/L	10/19/10	11:20	
62237-1	2203/1	42.35089	49.22827	35.47352	22.96545	ug/L	10/19/10	11:20	
62237-1	2203/2	35.74781	33.33491	38.16069	9.54559	ug/L	10/19/10	11:20	
62237-1	1960/1	6.96753	14.07657	-0.14151	144.29365	ug/L	10/19/10	11:20	
62237-1	1960/2	2.19513	5.20752	-0.81725	194.07312	ug/L	10/19/10	11:20	
62237-1	Y	975.19042	972.97198	977.40893	0.32172		10/19/10	11:20	
62237-2	Ag	0.49847	-0.64625	1.64321	324.76837	ug/L	10/19/10	11:26	
62237-2	Al	46156.51562	46143.29296	46169.73437	0.04050	ug/L	10/19/10	11:26	
62237-2	2Al	46.15773	46.14492	46.17053	0.03924	mg/L	10/19/10	11:26	
62237-2	As	24.30097	25.06583	23.53612	4.45113	ug/L	10/19/10	11:26	
62237-2	B	15.05327	15.41502	14.69153	3.39849	ug/L	10/19/10	11:26	
62237-2	Ba	143.36883	143.26594	143.47172	0.10149	ug/L	10/19/10	11:26	
62237-2	Be	1.38351	1.37038	1.39665	1.34259	ug/L	10/19/10	11:26	
62237-2	Ca	623.23571	623.74987	622.72155	0.11667	ug/L	10/19/10	11:26	
62237-2	Cd	0.22456	-0.00097	0.45010	142.03512	ug/L	10/19/10	11:26	
62237-2	Co	9.35436	9.45963	9.24909	1.59147	ug/L	10/19/10	11:26	
62237-2	Cr	168.29000	168.30076	168.27923	0.00904	ug/L	10/19/10	11:26	
62237-2	Cu	32.29852	33.25125	31.34578	4.17161	ug/L	10/19/10	11:26	
62237-2	Fe	74596.64843	74663.10156	74530.19531	0.12598	ug/L	10/19/10	11:26	
62237-2	2Fe	74.58525	74.65235	74.51816	0.12721	mg/L	10/19/10	11:26	
62237-2	K	3409.44702	3398.92919	3419.96484	0.43627	ug/L	10/19/10	11:26	
62237-2	Mg	3518.42822	3522.65747	3514.19921	0.16998	ug/L	10/19/10	11:26	
62237-2	2Mg	3.50441	3.50863	3.50020	0.17014	mg/L	10/19/10	11:26	
62237-2	Mn	216.91918	216.98214	216.85624	0.04104	ug/L	10/19/10	11:26	
62237-2	Mo	2.20763	1.62092	2.79434	37.58464	ug/L	10/19/10	11:26	
62237-2	Na	388.28598	484.25708	292.31488	34.95455	ug/L	10/19/10	11:26	
62237-2	Ni	22.35257	22.51798	22.18717	1.04646	ug/L	10/19/10	11:26	
62237-2	Pb	32.20113	32.79998	31.60228	2.63002	ug/L	10/19/10	11:26	
62237-2	Se	1.54084	6.41008	-3.32839	446.90716	ug/L	10/19/10	11:26	
62237-2	Sb	1.96339	-2.30506	6.23184	307.45275	ug/L	10/19/10	11:26	
62237-2	Sn	20.83412	19.11641	22.55183	11.65977	ug/L	10/19/10	11:26	
62237-2	Sr	19.59696	19.58802	19.60589	0.06447	ug/L	10/19/10	11:26	
62237-2	Ti	1383.84619	1384.06372	1383.62878	0.02222	ug/L	10/19/10	11:26	
62237-2	Tl	-4.86572	-6.55170	-3.17975	49.00250	ug/L	10/19/10	11:26	
62237-2	V	179.41268	179.08993	179.73544	0.25440	ug/L	10/19/10	11:26	
62237-2	Zn	69.03747	69.09013	68.98480	0.10787	ug/L	10/19/10	11:26	
62237-2	2203/1	41.11922	35.09744	47.14100	20.71071	ug/L	10/19/10	11:26	
62237-2	2203/2	27.74877	31.65297	23.84457	19.89771	ug/L	10/19/10	11:26	
62237-2	1960/1	10.86180	10.55131	11.17229	4.04260	ug/L	10/19/10	11:26	
62237-2	1960/2	-3.11264	4.34257	-10.56786	338.72363	ug/L	10/19/10	11:26	
62237-2	Y	976.37847	975.63598	977.12097	0.10754		10/19/10	11:26	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62237-3	Ag	1.57642	2.18045	0.97240	54.18704	ug/L	10/19/10	11:31	
62237-3	Al	48268.44531	48292.46484	48244.42968	0.07036	ug/L	10/19/10	11:31	
62237-3	2Al	48.27103	48.29566	48.24641	0.07215	mg/L	10/19/10	11:31	
62237-3	As	23.53934	22.08928	24.98941	8.71181	ug/L	10/19/10	11:31	
62237-3	B	12.86091	10.66216	15.05966	24.17792	ug/L	10/19/10	11:31	
62237-3	Ba	148.11042	148.19151	148.02934	0.07742	ug/L	10/19/10	11:31	
62237-3	Be	1.60701	1.60508	1.60893	0.16921	ug/L	10/19/10	11:31	
62237-3	Ca	524.36962	525.13348	523.60571	0.20601	ug/L	10/19/10	11:31	
62237-3	Cd	0.16792	0.67913	-0.34328	430.52261	ug/L	10/19/10	11:31	
62237-3	Co	9.93453	9.36634	10.50271	8.08825	ug/L	10/19/10	11:31	
62237-3	Cr	191.79670	191.37568	192.21772	0.31043	ug/L	10/19/10	11:31	
62237-3	Cu	36.52120	36.21843	36.82397	1.17240	ug/L	10/19/10	11:31	
62237-3	Fe	86658.10937	86527.44531	86788.76562	0.21323	ug/L	10/19/10	11:31	
62237-3	2Fe	86.64649	86.51650	86.77650	0.21218	mg/L	10/19/10	11:31	
62237-3	K	3759.20361	3769.48730	3748.91992	0.38687	ug/L	10/19/10	11:31	
62237-3	Mg	3580.92114	3574.17163	3587.67065	0.26655	ug/L	10/19/10	11:31	
62237-3	2Mg	3.56477	3.55805	3.57150	0.26678	mg/L	10/19/10	11:31	
62237-3	Mn	227.55570	227.41992	227.69149	0.08438	ug/L	10/19/10	11:31	
62237-3	Mo	3.86194	3.51096	4.21292	12.85254	ug/L	10/19/10	11:31	
62237-3	Na	580.53222	495.05566	666.00885	20.82264	ug/L	10/19/10	11:31	
62237-3	Ni	23.92710	24.35805	23.49616	2.54710	ug/L	10/19/10	11:31	
62237-3	Pb	36.13872	34.56615	37.71129	6.15392	ug/L	10/19/10	11:31	
62237-3	Se	9.88627	6.91500	12.85755	42.50347	ug/L	10/19/10	11:31	
62237-3	Sb	1.91366	1.48367	2.34365	31.77641	ug/L	10/19/10	11:31	
62237-3	Sn	22.18716	22.44531	21.92901	1.64546	ug/L	10/19/10	11:31	
62237-3	Sr	19.41914	19.42298	19.41530	0.02796	ug/L	10/19/10	11:31	
62237-3	Ti	1363.84545	1362.60437	1365.08654	0.12869	ug/L	10/19/10	11:31	
62237-3	Tl	1.69424	-0.68003	4.06853	198.18521	ug/L	10/19/10	11:31	
62237-3	V	198.81323	199.25990	198.36656	0.31772	ug/L	10/19/10	11:31	
62237-3	Zn	76.91296	76.60153	77.22438	0.57262	ug/L	10/19/10	11:31	
62237-3	2203/1	51.90116	53.99819	49.80413	5.71402	ug/L	10/19/10	11:31	
62237-3	2203/2	28.26932	24.86470	31.67394	17.03209	ug/L	10/19/10	11:31	
62237-3	1960/1	18.84088	23.69709	13.98467	36.45115	ug/L	10/19/10	11:31	
62237-3	1960/2	5.41568	-1.46345	12.29483	179.63694	ug/L	10/19/10	11:31	
62237-3	Y	981.47692	979.09197	983.86193	0.34365		10/19/10	11:31	
62237-4	Ag	0.22557	-0.64304	1.09420	544.56317	ug/L	10/19/10	11:36	
62237-4	Al	45851.73046	45775.88671	45927.57421	0.23392	ug/L	10/19/10	11:36	
62237-4	2Al	45.85222	45.77770	45.92674	0.22984	mg/L	10/19/10	11:36	
62237-4	As	23.73591	23.16147	24.31036	3.42263	ug/L	10/19/10	11:36	
62237-4	B	13.29504	13.24909	13.34098	0.48871	ug/L	10/19/10	11:36	
62237-4	Ba	140.57902	140.55488	140.60316	0.02428	ug/L	10/19/10	11:36	
62237-4	Be	1.54646	1.54600	1.54691	0.04188	ug/L	10/19/10	11:36	
62237-4	Ca	522.77062	523.12847	522.41284	0.09679	ug/L	10/19/10	11:36	
62237-4	Cd	-0.15852	-0.45647	0.13942	265.79895	ug/L	10/19/10	11:36	
62237-4	Co	10.20992	9.70626	10.71359	6.97646	ug/L	10/19/10	11:36	
62237-4	Cr	169.66033	169.67866	169.64201	0.01527	ug/L	10/19/10	11:36	
62237-4	Cu	32.54921	33.31650	31.78193	3.33374	ug/L	10/19/10	11:36	
62237-4	Fe	82046.04687	81927.36718	82164.72656	0.20456	ug/L	10/19/10	11:36	
62237-4	2Fe	82.03178	81.91570	82.14787	0.20012	mg/L	10/19/10	11:36	
62237-4	K	3265.87646	3242.22290	3289.53027	1.02426	ug/L	10/19/10	11:36	
62237-4	Mg	3332.57641	3328.01855	3337.13427	0.19341	ug/L	10/19/10	11:36	
62237-4	2Mg	3.31730	3.31276	3.32184	0.19339	mg/L	10/19/10	11:36	
62237-4	Mn	208.13534	208.02912	208.24156	0.07217	ug/L	10/19/10	11:36	
62237-4	Mo	1.78990	1.42942	2.15037	28.48136	ug/L	10/19/10	11:36	
62237-4	Na	435.91870	445.78018	426.05725	3.19927	ug/L	10/19/10	11:36	
62237-4	Ni	19.29758	19.41512	19.18004	0.86138	ug/L	10/19/10	11:36	
62237-4	Pb	30.93296	29.11945	32.74647	8.29110	ug/L	10/19/10	11:36	
62237-4	Se	7.11258	6.28526	7.93990	16.44987	ug/L	10/19/10	11:36	
62237-4	Sb	-1.55042	-6.83760	3.73674	482.26605	ug/L	10/19/10	11:36	
62237-4	Sn	21.15573	21.24354	21.06791	0.58703	ug/L	10/19/10	11:36	
62237-4	Sr	19.09395	19.12117	19.06673	0.20160	ug/L	10/19/10	11:36	
62237-4	Ti	1492.42480	1489.74670	1495.10278	0.25376	ug/L	10/19/10	11:36	
62237-4	Tl	-3.74717	-4.22424	-3.27009	18.00522	ug/L	10/19/10	11:36	
62237-4	V	186.52072	185.16078	187.88064	1.03111	ug/L	10/19/10	11:36	
62237-4	Zn	82.19378	81.95859	82.42897	0.40466	ug/L	10/19/10	11:36	
62237-4	2203/1	34.48290	33.90005	35.06575	2.39037	ug/L	10/19/10	11:36	
62237-4	2203/2	29.16065	26.73274	31.58856	11.77472	ug/L	10/19/10	11:36	
62237-4	1960/1	14.69679	16.15595	13.23763	14.04093	ug/L	10/19/10	11:36	
62237-4	1960/2	3.32616	1.35731	5.29501	83.71137	ug/L	10/19/10	11:36	
62237-4	Y	982.68298	983.11492	982.25097	0.06216		10/19/10	11:36	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62237-5	Ag	0.79855	0.61377	0.98332	32.72307	ug/L	10/19/10	11:41	
62237-5	Al	41974.17968	41955.56640	41992.78906	0.06270	ug/L	10/19/10	11:41	
62237-5	2Al	41.97429	41.95773	41.99084	0.05578	mg/L	10/19/10	11:41	
62237-5	As	20.83446	22.95890	18.71001	14.42043	ug/L	10/19/10	11:41	
62237-5	B	12.32104	10.34398	14.29811	22.69284	ug/L	10/19/10	11:41	
62237-5	Ba	134.94076	135.09088	134.79066	0.15731	ug/L	10/19/10	11:41	
62237-5	Be	1.26193	1.31815	1.20572	6.29990	ug/L	10/19/10	11:41	
62237-5	Ca	977.86437	980.18237	975.54632	0.33523	ug/L	10/19/10	11:41	
62237-5	Cd	0.11487	0.55956	-0.32982	547.47241	ug/L	10/19/10	11:41	
62237-5	Co	9.75147	9.97207	9.53087	3.19921	ug/L	10/19/10	11:41	
62237-5	Cr	166.03671	166.05894	166.01446	0.01894	ug/L	10/19/10	11:41	
62237-5	Cu	31.03185	30.94330	31.12041	0.40356	ug/L	10/19/10	11:41	
62237-5	Fe	69041.15625	69165.07031	68917.24218	0.25382	ug/L	10/19/10	11:41	
62237-5	2Fe	69.02851	69.15631	68.90071	0.26182	mg/L	10/19/10	11:41	
62237-5	K	3320.42822	3331.94067	3308.91552	0.49033	ug/L	10/19/10	11:41	
62237-5	Mg	3258.63232	3256.79833	3260.46630	0.07959	ug/L	10/19/10	11:41	
62237-5	2Mg	3.24566	3.24381	3.24752	0.08085	mg/L	10/19/10	11:41	
62237-5	Mn	209.21403	209.41888	209.00918	0.13847	ug/L	10/19/10	11:41	
62237-5	Mo	1.47734	2.05785	0.89684	55.56957	ug/L	10/19/10	11:41	
62237-5	Na	415.96984	570.49041	261.44927	52.53387	ug/L	10/19/10	11:41	
62237-5	Ni	19.08891	19.84098	18.33684	5.57173	ug/L	10/19/10	11:41	
62237-5	Pb	31.84517	31.82560	31.86473	0.08688	ug/L	10/19/10	11:41	
62237-5	Se	3.21104	10.67188	-4.24980	328.59219	ug/L	10/19/10	11:41	
62237-5	Sb	-3.77424	-0.29476	-7.25372	130.37648	ug/L	10/19/10	11:41	
62237-5	Sn	23.17506	22.00553	24.34459	7.13681	ug/L	10/19/10	11:41	
62237-5	Sr	19.14158	19.15284	19.13032	0.08317	ug/L	10/19/10	11:41	
62237-5	Ti	1255.80102	1257.79223	1253.80981	0.22423	ug/L	10/19/10	11:41	
62237-5	Tl	-4.13076	0.47065	-8.73219	157.53469	ug/L	10/19/10	11:41	
62237-5	V	165.66024	166.16036	165.16012	0.42694	ug/L	10/19/10	11:41	
62237-5	Zn	68.66342	69.12803	68.19880	0.95693	ug/L	10/19/10	11:41	
62237-5	2203/1	39.88166	41.81037	37.95294	6.83927	ug/L	10/19/10	11:41	
62237-5	2203/2	27.83295	26.84070	28.82519	5.04167	ug/L	10/19/10	11:41	
62237-5	1960/1	10.41409	17.66247	3.16571	98.43155	ug/L	10/19/10	11:41	
62237-5	1960/2	-0.38508	7.18183	-7.95200	2778.91259	ug/L	10/19/10	11:41	
62237-5	Y	979.24047	983.51995	974.96093	0.61804		10/19/10	11:41	
62237-6	Ag	0.82431	1.09337	0.55524	46.16157	ug/L	10/19/10	11:46	
62237-6	Al	52463.06250	52415.71875	52510.41015	0.12762	ug/L	10/19/10	11:46	
62237-6	2Al	52.46358	52.41511	52.51205	0.13064	mg/L	10/19/10	11:46	
62237-6	As	23.85355	22.56376	25.14334	7.64682	ug/L	10/19/10	11:46	
62237-6	B	16.46269	16.04153	16.88385	3.61791	ug/L	10/19/10	11:46	
62237-6	Ba	151.78048	151.90637	151.65461	0.11728	ug/L	10/19/10	11:46	
62237-6	Be	1.51460	1.50952	1.51969	0.47472	ug/L	10/19/10	11:46	
62237-6	Ca	529.32482	529.33178	529.31787	0.00185	ug/L	10/19/10	11:46	
62237-6	Cd	0.13855	0.05712	0.21998	83.11924	ug/L	10/19/10	11:46	
62237-6	Co	10.21444	10.58359	9.84529	5.11100	ug/L	10/19/10	11:46	
62237-6	Cr	189.78051	190.26770	189.29335	0.36303	ug/L	10/19/10	11:46	
62237-6	Cu	34.27730	33.86354	34.69106	1.70709	ug/L	10/19/10	11:46	
62237-6	Fe	80485.15625	80359.62500	80610.69531	0.22057	ug/L	10/19/10	11:46	
62237-6	2Fe	80.47109	80.34429	80.59790	0.22285	mg/L	10/19/10	11:46	
62237-6	K	3543.34399	3552.75463	3533.93334	0.37559	ug/L	10/19/10	11:46	
62237-6	Mg	3802.84179	3790.11914	3815.56420	0.47312	ug/L	10/19/10	11:46	
62237-6	2Mg	3.78772	3.77502	3.80042	0.47406	mg/L	10/19/10	11:46	
62237-6	Mn	231.19985	230.98080	231.41893	0.13399	ug/L	10/19/10	11:46	
62237-6	Mo	2.68994	2.59866	2.78123	4.79930	ug/L	10/19/10	11:46	
62237-6	Na	423.36865	501.35037	345.38693	26.04888	ug/L	10/19/10	11:46	
62237-6	Ni	23.90616	23.56171	24.25060	2.03762	ug/L	10/19/10	11:46	
62237-6	Pb	32.53115	34.56178	30.50053	8.82764	ug/L	10/19/10	11:46	
62237-6	Se	4.57398	4.65017	4.49779	2.35582	ug/L	10/19/10	11:46	
62237-6	Sb	1.65020	-0.33827	3.63868	170.41113	ug/L	10/19/10	11:46	
62237-6	Sn	23.70994	24.72388	22.69600	6.04778	ug/L	10/19/10	11:46	
62237-6	Sr	20.57890	20.60009	20.55771	0.14560	ug/L	10/19/10	11:46	
62237-6	Ti	1509.32421	1507.75292	1510.89538	0.14722	ug/L	10/19/10	11:46	
62237-6	Tl	-4.47111	-3.83982	-5.10241	19.96791	ug/L	10/19/10	11:46	
62237-6	V	205.87379	206.13641	205.61117	0.18040	ug/L	10/19/10	11:46	
62237-6	Zn	77.40531	77.36656	77.44406	0.07079	ug/L	10/19/10	11:46	
62237-6	2203/1	42.98771	42.24299	43.73244	2.45000	ug/L	10/19/10	11:46	
62237-6	2203/2	27.31071	30.72693	23.89450	17.68996	ug/L	10/19/10	11:46	
62237-6	1960/1	14.34947	14.90693	13.79201	5.49406	ug/L	10/19/10	11:46	
62237-6	1960/2	-0.30643	-0.47051	-0.14235	75.72388	ug/L	10/19/10	11:46	
62237-6	Y	982.36346	982.86297	981.86395	0.07190		10/19/10	11:46	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62237-7	Ag	0.77394	0.86619	0.68169	16.85652	ug/L	10/19/10	11:51	
62237-7	Al	41038.82421	41024.18750	41053.46093	0.05043	ug/L	10/19/10	11:51	
62237-7	2Al	41.03876	41.02381	41.05371	0.05152	mg/L	10/19/10	11:51	
62237-7	As	20.30204	19.65000	20.95407	4.54199	ug/L	10/19/10	11:51	
62237-7	B	12.69371	11.17200	14.21541	16.95339	ug/L	10/19/10	11:51	
62237-7	Ba	139.21697	139.24960	139.18437	0.03313	ug/L	10/19/10	11:51	
62237-7	Be	1.22998	1.23579	1.22417	0.66807	ug/L	10/19/10	11:51	
62237-7	Ca	649.23553	649.68670	648.78436	0.09827	ug/L	10/19/10	11:51	
62237-7	Cd	-0.01480	0.15535	-0.18495	1625.71203	ug/L	10/19/10	11:51	
62237-7	Co	8.26097	8.08544	8.43651	3.00496	ug/L	10/19/10	11:51	
62237-7	Cr	157.72743	157.45303	158.00183	0.24603	ug/L	10/19/10	11:51	
62237-7	Cu	31.41676	31.30337	31.53016	0.51044	ug/L	10/19/10	11:51	
62237-7	Fe	68108.18750	68041.28906	68175.09375	0.13891	ug/L	10/19/10	11:51	
62237-7	2Fe	68.09500	68.02745	68.16255	0.14029	mg/L	10/19/10	11:51	
62237-7	K	3225.56494	3221.25024	3229.87963	0.18917	ug/L	10/19/10	11:51	
62237-7	Mg	2952.11621	2950.43798	2953.79418	0.08038	ug/L	10/19/10	11:51	
62237-7	2Mg	2.93938	2.93772	2.94105	0.08013	mg/L	10/19/10	11:51	
62237-7	Mn	177.79551	177.63133	177.95970	0.13059	ug/L	10/19/10	11:51	
62237-7	Mo	0.71864	1.99087	-0.55358	250.36131	ug/L	10/19/10	11:51	
62237-7	Na	493.51113	430.39855	556.62371	18.08564	ug/L	10/19/10	11:51	
62237-7	Ni	18.79411	18.44287	19.14535	2.64300	ug/L	10/19/10	11:51	
62237-7	Pb	31.73803	29.97641	33.49965	7.84960	ug/L	10/19/10	11:51	
62237-7	Se	6.68331	6.65123	6.71539	0.67880	ug/L	10/19/10	11:51	
62237-7	Sb	1.68889	1.96808	1.40970	23.37810	ug/L	10/19/10	11:51	
62237-7	Sn	20.00468	16.67739	23.33197	23.52199	ug/L	10/19/10	11:51	
62237-7	Sr	17.33964	17.33460	17.34469	0.04113	ug/L	10/19/10	11:51	
62237-7	Ti	1097.09033	1096.11474	1098.06591	0.12575	ug/L	10/19/10	11:51	
62237-7	Tl	-4.48667	-4.13761	-4.83574	11.00250	ug/L	10/19/10	11:51	
62237-7	V	164.60200	164.30084	164.90316	0.25875	ug/L	10/19/10	11:51	
62237-7	Zn	63.31784	63.24811	63.38756	0.15573	ug/L	10/19/10	11:51	
62237-7	2203/1	39.99862	36.11349	43.88376	13.73650	ug/L	10/19/10	11:51	
62237-7	2203/2	27.61393	26.91247	28.31538	3.59243	ug/L	10/19/10	11:51	
62237-7	1960/1	15.19441	10.44786	19.94095	44.17829	ug/L	10/19/10	11:51	
62237-7	1960/2	2.43414	4.75576	0.11252	134.88394	ug/L	10/19/10	11:51	
62237-7	Y	973.24194	971.73895	974.74493	0.21839		10/19/10	11:51	
CCV	Ag	500.80392	501.88769	499.72015	0.30604	ug/L	10/19/10	11:57	
CCV	Al	5119.76855	5112.97802	5126.55957	0.18757	ug/L	10/19/10	11:57	
CCV	2Al	5.11985	5.11327	5.12643	0.18182	mg/L	10/19/10	11:57	
CCV	As	503.65447	505.34671	501.96221	0.47516	ug/L	10/19/10	11:57	
CCV	B	4997.62500	4997.93798	4997.31152	0.00886	ug/L	10/19/10	11:57	
CCV	Ba	5036.00292	5040.93652	5031.06933	0.13854	ug/L	10/19/10	11:57	
CCV	Be	500.83862	501.14074	500.53649	0.08531	ug/L	10/19/10	11:57	
CCV	Ca	4947.91992	4952.42675	4943.41259	0.12882	ug/L	10/19/10	11:57	
CCV	Cd	498.40466	499.99191	496.81744	0.45037	ug/L	10/19/10	11:57	
CCV	Co	504.95971	505.18728	504.73217	0.06372	ug/L	10/19/10	11:57	
CCV	Cr	5029.96386	5035.60644	5024.32128	0.15864	ug/L	10/19/10	11:57	
CCV	Cu	5030.44921	5034.59277	5026.30517	0.11649	ug/L	10/19/10	11:57	
CCV	Fe	5033.71582	5023.58496	5043.84667	0.28462	ug/L	10/19/10	11:57	
CCV	2Fe	5.03371	5.02358	5.04384	0.28456	mg/L	10/19/10	11:57	
CCV	K	10518.00488	10528.19824	10507.81152	0.13705	ug/L	10/19/10	11:57	
CCV	Mg	5123.34375	5122.99462	5123.69238	0.00963	ug/L	10/19/10	11:57	
CCV	2Mg	5.12332	5.12298	5.12367	0.00951	mg/L	10/19/10	11:57	
CCV	Mn	5055.44335	5060.16113	5050.72607	0.13196	ug/L	10/19/10	11:57	
CCV	Mo	495.63989	492.48043	498.79934	0.90148	ug/L	10/19/10	11:57	
CCV	Na	7566.47167	7632.63671	7500.30615	1.23666	ug/L	10/19/10	11:57	
CCV	Ni	2516.89941	2522.24707	2511.55200	0.30047	ug/L	10/19/10	11:57	
CCV	Pb	504.07690	502.39785	505.75598	0.47106	ug/L	10/19/10	11:57	
CCV	Se	4994.57421	5003.28173	4985.86669	0.24655	ug/L	10/19/10	11:57	
CCV	Sb	489.43041	493.77142	485.08938	1.25434	ug/L	10/19/10	11:57	
CCV	Sn	5035.95800	5043.49902	5028.41650	0.21177	ug/L	10/19/10	11:57	
CCV	Sr	2542.58886	2543.99951	2541.17822	0.07846	ug/L	10/19/10	11:57	
CCV	Ti	500.25097	500.80966	499.69229	0.15794	ug/L	10/19/10	11:57	
CCV	Tl	5004.16845	5021.65527	4986.68164	0.49418	ug/L	10/19/10	11:57	
CCV	V	5036.73876	5045.03613	5028.44140	0.23297	ug/L	10/19/10	11:57	
CCV	Zn	2518.09423	2522.51123	2513.67749	0.24806	ug/L	10/19/10	11:57	
CCV	2203/1	510.67193	512.95208	508.39178	0.63144	ug/L	10/19/10	11:57	
CCV	2203/2	500.78436	497.12863	504.44006	1.03237	ug/L	10/19/10	11:57	
CCV	1960/1	5052.96044	5058.70654	5047.21435	0.16082	ug/L	10/19/10	11:57	
CCV	1960/2	4965.42480	4975.61083	4955.23876	0.29011	ug/L	10/19/10	11:57	
CCV	Y	962.10894	963.96295	960.25494	0.27252		10/19/10	11:57	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.23910	1.43934	-0.96114	709.91174	ug/L	10/19/10	12:06	
CCB	Al	-0.65067	-6.35250	5.05115	1239.26477	ug/L	10/19/10	12:06	
CCB	2Al	-0.00065	-0.00635	0.00505	1239.23229	mg/L	10/19/10	12:06	
CCB	As	-1.83078	-1.42570	-2.23585	31.29032	ug/L	10/19/10	12:06	
CCB	B	1.86113	-0.35838	4.08065	168.65385	ug/L	10/19/10	12:06	
CCB	Ba	1.27245	1.32033	1.22457	5.32098	ug/L	10/19/10	12:06	
CCB	Be	0.10245	0.13456	0.07034	44.31981	ug/L	10/19/10	12:06	
CCB	Ca	3.25656	5.54839	0.96473	99.52617	ug/L	10/19/10	12:06	
CCB	Cd	-0.15130	-0.37452	0.07190	208.63215	ug/L	10/19/10	12:06	
CCB	Co	0.47679	0.20931	0.74426	79.33596	ug/L	10/19/10	12:06	
CCB	Cr	1.50977	1.24904	1.77051	24.42337	ug/L	10/19/10	12:06	
CCB	Cu	1.85326	0.99494	2.71158	65.49796	ug/L	10/19/10	12:06	
CCB	Fe	10.01850	21.99634	-1.95933	169.07937	ug/L	10/19/10	12:06	
CCB	2Fe	0.01001	0.02199	-0.00195	169.07472	mg/L	10/19/10	12:06	
CCB	K	9.43547	25.33653	-6.46558	238.32916	ug/L	10/19/10	12:06	
CCB	Mg	-4.19210	-8.92866	0.54444	159.78837	ug/L	10/19/10	12:06	
CCB	2Mg	-0.00419	-0.00892	0.00054	159.81449	mg/L	10/19/10	12:06	
CCB	Mn	1.12298	0.95382	1.29214	21.30314	ug/L	10/19/10	12:06	
CCB	Mo	-0.33626	-1.49151	0.81898	485.85650	ug/L	10/19/10	12:06	
CCB	Na	211.55137	211.64877	211.45397	0.06510	ug/L	10/19/10	12:06	
CCB	Ni	1.28573	1.16567	1.40578	13.20554	ug/L	10/19/10	12:06	
CCB	Pb	-0.81755	-0.77046	-0.86464	8.14557	ug/L	10/19/10	12:06	
CCB	Se	3.78191	4.78275	2.78107	37.42542	ug/L	10/19/10	12:06	
CCB	Sb	-0.87271	0.36777	-2.11319	201.01921	ug/L	10/19/10	12:06	
CCB	Sn	3.38190	4.14421	2.61960	31.87731	ug/L	10/19/10	12:06	
CCB	Sr	0.55681	0.46415	0.64947	23.53292	ug/L	10/19/10	12:06	
CCB	Ti	-0.01985	-0.48593	0.44621	3319.14477	ug/L	10/19/10	12:06	
CCB	Tl	-2.38544	-3.92345	-0.84742	91.18154	ug/L	10/19/10	12:06	
CCB	V	1.44169	2.41148	0.47191	95.12946	ug/L	10/19/10	12:06	
CCB	Zn	0.96320	0.93075	0.99565	4.76437	ug/L	10/19/10	12:06	
CCB	2203/1	-6.40928	0.01070	-12.82928	141.65766	ug/L	10/19/10	12:06	
CCB	2203/2	1.97411	-1.16047	5.10870	224.55517	ug/L	10/19/10	12:06	
CCB	1960/1	-0.45795	12.71456	-13.63046	4067.84228	ug/L	10/19/10	12:06	
CCB	1960/2	5.89867	0.82279	10.97454	121.69477	ug/L	10/19/10	12:06	
CCB	Y	956.71350	955.34997	958.07696	0.20155		10/19/10	12:06	
62237-8	Ag	2.03135	2.71953	1.34317	47.91038	ug/L	10/19/10	12:11	
62237-8	Al	44046.17187	43923.54296	44168.80468	0.39373	ug/L	10/19/10	12:11	
62237-8	2Al	44.04674	43.92257	44.17090	0.39866	mg/L	10/19/10	12:11	
62237-8	As	22.28297	26.83374	17.73221	28.88190	ug/L	10/19/10	12:11	
62237-8	B	15.69819	15.51988	15.87651	1.60640	ug/L	10/19/10	12:11	
62237-8	Ba	138.57554	138.37141	138.77967	0.20832	ug/L	10/19/10	12:11	
62237-8	Be	1.30410	1.33018	1.27801	2.82848	ug/L	10/19/10	12:11	
62237-8	Ca	796.89526	796.69476	797.09570	0.03557	ug/L	10/19/10	12:11	
62237-8	Cd	0.32349	0.09093	0.55605	101.66617	ug/L	10/19/10	12:11	
62237-8	Co	9.62669	9.38490	9.86849	3.55211	ug/L	10/19/10	12:11	
62237-8	Cr	179.67840	179.91305	179.44377	0.18468	ug/L	10/19/10	12:11	
62237-8	Cu	31.65141	31.51769	31.78512	0.59745	ug/L	10/19/10	12:11	
62237-8	Fe	72151.99218	72037.00000	72266.98437	0.22539	ug/L	10/19/10	12:11	
62237-8	2Fe	72.13962	72.02271	72.25653	0.22919	mg/L	10/19/10	12:11	
62237-8	K	3259.79736	3263.78393	3255.81079	0.17295	ug/L	10/19/10	12:11	
62237-8	Mg	3122.27661	3118.52563	3126.02758	0.16989	ug/L	10/19/10	12:11	
62237-8	2Mg	3.10879	3.10506	3.11252	0.16967	mg/L	10/19/10	12:11	
62237-8	Mn	189.85768	189.36845	190.34690	0.36441	ug/L	10/19/10	12:11	
62237-8	Mo	2.74767	2.06549	3.42984	35.11118	ug/L	10/19/10	12:11	
62237-8	Na	503.60089	637.05877	370.14300	37.47768	ug/L	10/19/10	12:11	
62237-8	Ni	20.74395	21.03581	20.45209	1.98971	ug/L	10/19/10	12:11	
62237-8	Pb	31.32885	31.64118	31.01653	1.40986	ug/L	10/19/10	12:11	
62237-8	Se	5.57473	9.93668	1.21278	110.65507	ug/L	10/19/10	12:11	
62237-8	Sb	5.22786	8.86347	1.59225	98.34852	ug/L	10/19/10	12:11	
62237-8	Sn	21.44815	23.56481	19.33150	13.95643	ug/L	10/19/10	12:11	
62237-8	Sr	20.58605	20.59478	20.57731	0.06001	ug/L	10/19/10	12:11	
62237-8	Ti	1221.73413	1217.72534	1225.74279	0.46402	ug/L	10/19/10	12:11	
62237-8	Tl	-4.00328	-6.91418	-1.09237	102.83165	ug/L	10/19/10	12:11	
62237-8	V	180.54925	181.07385	180.02467	0.41090	ug/L	10/19/10	12:11	
62237-8	Zn	70.40096	69.74862	71.05329	1.31041	ug/L	10/19/10	12:11	
62237-8	2203/1	46.83062	45.84074	47.82049	2.98927	ug/L	10/19/10	12:11	
62237-8	2203/2	23.58959	24.55204	22.62714	5.76995	ug/L	10/19/10	12:11	
62237-8	1960/1	7.42543	10.11725	4.73360	51.26728	ug/L	10/19/10	12:11	
62237-8	1960/2	4.65077	9.84653	-0.54498	157.99328	ug/L	10/19/10	12:11	
62237-8	Y	978.07495	979.73095	976.41894	0.23944		10/19/10	12:11	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62237-8L	Ag	-0.07420	0.86218	-1.01059	1784.57385	ug/L	10/19/10	12:16	
62237-8L	Al	8848.74218	8955.64355	8741.84082	1.70850	ug/L	10/19/10	12:16	
62237-8L	2Al	8.84871	8.95603	8.74139	1.71521	mg/L	10/19/10	12:16	
62237-8L	As	4.77896	9.70275	-0.14482	145.70707	ug/L	10/19/10	12:16	
62237-8L	B	2.18738	2.20228	2.17249	0.96273	ug/L	10/19/10	12:16	
62237-8L	Ba	27.60750	27.96426	27.25075	1.82747	ug/L	10/19/10	12:16	
62237-8L	Be	0.23790	0.25210	0.22370	8.44251	ug/L	10/19/10	12:16	
62237-8L	Ca	163.63432	166.45681	160.81182	2.43934	ug/L	10/19/10	12:16	
62237-8L	Cd	-0.31399	-0.46434	-0.16364	67.71513	ug/L	10/19/10	12:16	
62237-8L	Co	1.26083	1.90727	0.61440	72.50691	ug/L	10/19/10	12:16	
62237-8L	Cr	35.09304	36.03385	34.15224	3.79134	ug/L	10/19/10	12:16	
62237-8L	Cu	5.16071	5.40439	4.91702	6.67780	ug/L	10/19/10	12:16	
62237-8L	Fe	14377.08007	14572.97070	14181.18847	1.92689	ug/L	10/19/10	12:16	
62237-8L	2Fe	14.37460	14.57112	14.17808	1.93340	mg/L	10/19/10	12:16	
62237-8L	K	651.55529	655.21752	647.89306	0.79489	ug/L	10/19/10	12:16	
62237-8L	Mg	617.76171	626.26257	609.26092	1.94605	ug/L	10/19/10	12:16	
62237-8L	2Mg	0.61507	0.62354	0.60661	1.94610	mg/L	10/19/10	12:16	
62237-8L	Mn	37.66062	38.20115	37.12010	2.02975	ug/L	10/19/10	12:16	
62237-8L	Mo	0.44311	1.07775	-0.19151	202.54335	ug/L	10/19/10	12:16	
62237-8L	Na	188.35588	133.49841	243.21334	41.18808	ug/L	10/19/10	12:16	
62237-8L	Ni	4.42461	4.72473	4.12449	9.59257	ug/L	10/19/10	12:16	
62237-8L	Pb	9.03565	7.82114	10.25015	19.00883	ug/L	10/19/10	12:16	
62237-8L	Se	0.47523	-0.40407	1.35453	261.66662	ug/L	10/19/10	12:16	
62237-8L	Sb	-7.34068	-4.00805	-10.67331	64.20448	ug/L	10/19/10	12:16	
62237-8L	Sn	7.31233	7.15272	7.47195	3.08691	ug/L	10/19/10	12:16	
62237-8L	Sr	4.01139	4.07770	3.94507	2.33800	ug/L	10/19/10	12:16	
62237-8L	Ti	242.77856	246.18669	239.37045	1.98526	ug/L	10/19/10	12:16	
62237-8L	Tl	-4.93351	-5.48782	-4.37920	15.88959	ug/L	10/19/10	12:16	
62237-8L	V	35.57142	36.29622	34.84663	2.88157	ug/L	10/19/10	12:16	
62237-8L	Zn	14.77246	15.25501	14.28990	4.61966	ug/L	10/19/10	12:16	
62237-8L	2203/1	9.75836	7.07032	12.44640	38.95596	ug/L	10/19/10	12:16	
62237-8L	2203/2	8.67483	8.19599	9.15367	7.80634	ug/L	10/19/10	12:16	
62237-8L	1960/1	3.18544	2.86241	3.50848	14.34158	ug/L	10/19/10	12:16	
62237-8L	1960/2	-0.87784	-2.03486	0.27918	186.39773	ug/L	10/19/10	12:16	
62237-8L	Y	973.99792	975.32995	972.66595	0.19340		10/19/10	12:16	
62237-8A	Ag	43.27857	49.59864	36.95850	20.65207	ug/L	10/19/10	12:21	
62237-8A	Al	1962.91101	2163.54760	1762.27441	14.45521	ug/L	10/19/10	12:21	
62237-8A	2Al	1.96303	2.16368	1.76238	14.45521	mg/L	10/19/10	12:21	
62237-8A	As	1928.80297	2117.20043	1740.40539	13.81345	ug/L	10/19/10	12:21	
62237-8A	B	877.68725	960.60797	794.76647	13.36098	ug/L	10/19/10	12:21	
62237-8A	Ba	1958.25439	2152.64550	1763.86340	14.03854	ug/L	10/19/10	12:21	
62237-8A	Be	47.73360	52.57453	42.89266	14.34234	ug/L	10/19/10	12:21	
62237-8A	Ca	4343.30859	4768.85937	3917.75756	13.85625	ug/L	10/19/10	12:21	
62237-8A	Cd	49.07975	53.37136	44.78814	12.36611	ug/L	10/19/10	12:21	
62237-8A	Co	486.85632	534.43011	439.28253	13.81916	ug/L	10/19/10	12:21	
62237-8A	Cr	193.65391	213.81445	173.49337	14.72281	ug/L	10/19/10	12:21	
62237-8A	Cu	238.92175	262.94198	214.90153	14.21792	ug/L	10/19/10	12:21	
62237-8A	Fe	991.31396	1067.67700	914.95086	10.89399	ug/L	10/19/10	12:21	
62237-8A	2Fe	0.99139	1.06776	0.91501	10.89458	mg/L	10/19/10	12:21	
62237-8A	K	4600.21875	4967.46386	4232.97363	11.28996	ug/L	10/19/10	12:21	
62237-8A	Mg	4410.37792	4852.86035	3967.89599	14.18844	ug/L	10/19/10	12:21	
62237-8A	2Mg	4.40918	4.85154	3.96681	14.18857	mg/L	10/19/10	12:21	
62237-8A	Mn	487.28564	535.84399	438.72726	14.09274	ug/L	10/19/10	12:21	
62237-8A	Mo	430.25659	469.97439	390.53878	13.05487	ug/L	10/19/10	12:21	
62237-8A	Na	4794.98535	5184.14404	4405.82666	11.47768	ug/L	10/19/10	12:21	
62237-8A	Ni	483.07177	528.32672	437.81683	13.24858	ug/L	10/19/10	12:21	
62237-8A	Pb	512.52563	579.39611	445.65509	18.45160	ug/L	10/19/10	12:21	
62237-8A	Se	2074.49169	2338.37011	1810.61315	17.98900	ug/L	10/19/10	12:21	
62237-8A	Sb	470.31417	511.18933	429.43902	12.29097	ug/L	10/19/10	12:21	
62237-8A	Sn	876.82623	961.35229	792.30017	13.63302	ug/L	10/19/10	12:21	
62237-8A	Sr	447.17877	493.29580	401.06176	14.58461	ug/L	10/19/10	12:21	
62237-8A	Ti	861.17602	948.42919	773.92279	14.32862	ug/L	10/19/10	12:21	
62237-8A	Tl	2004.07519	2168.78076	1839.36950	11.62276	ug/L	10/19/10	12:21	
62237-8A	V	478.51593	524.81018	432.22167	13.68187	ug/L	10/19/10	12:21	
62237-8A	Zn	492.30651	540.51916	444.09390	13.84969	ug/L	10/19/10	12:21	
62237-8A	2203/1	478.50604	503.39428	453.61776	7.35566	ug/L	10/19/10	12:21	
62237-8A	2203/2	529.50988	617.34008	441.67971	23.45766	ug/L	10/19/10	12:21	
62237-8A	1960/1	1930.12036	2051.18090	1809.05993	8.87019	ug/L	10/19/10	12:21	
62237-8A	1960/2	2146.56860	2481.74902	1811.38806	22.08253	ug/L	10/19/10	12:21	
62237-8A	Y	963.34643	962.73895	963.95397	0.08918		10/19/10	12:21	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62190-1	Ag	1.80717	2.35020	1.26415	42.49491	ug/L	10/19/10	12:26	
62190-1	Al	61270.38671	61298.44921	61242.32421	0.06477	ug/L	10/19/10	12:26	
62190-1	2Al	61.27374	61.30190	61.24557	0.06500	mg/L	10/19/10	12:26	
62190-1	As	66.91207	66.64564	67.17849	0.56310	ug/L	10/19/10	12:26	
62190-1	B	28.41165	30.52602	26.29728	10.52444	ug/L	10/19/10	12:26	
62190-1	Ba	643.17071	643.68829	642.65313	0.11380	ug/L	10/19/10	12:26	
62190-1	Be	4.10191	4.16223	4.04160	2.07942	ug/L	10/19/10	12:26	
62190-1	Ca	29615.49609	29624.38085	29606.60937	0.04243	ug/L	10/19/10	12:26	
62190-1	Cd	3.36859	3.66773	3.06946	12.55836	ug/L	10/19/10	12:26	
62190-1	Co	62.87284	62.55417	63.19151	0.71679	ug/L	10/19/10	12:26	
62190-1	Cr	142.51269	142.89633	142.12905	0.38069	ug/L	10/19/10	12:26	
62190-1	Cu	900.02099	900.60882	899.43316	0.09236	ug/L	10/19/10	12:26	
62190-1	Fe	163320.09375	163259.51562	163380.67187	0.05245	ug/L	10/19/10	12:26	
62190-1	2Fe	163.29751	163.23757	163.35743	0.05190	mg/L	10/19/10	12:26	
62190-1	K	9253.04492	9273.61914	9232.46972	0.31445	ug/L	10/19/10	12:26	
62190-1	Mg	25205.78125	25206.81054	25204.75195	0.00577	ug/L	10/19/10	12:26	
62190-1	2Mg	25.17090	25.17194	25.16987	0.00583	mg/L	10/19/10	12:26	
62190-1	Mn	2098.50805	2098.18457	2098.83154	0.02180	ug/L	10/19/10	12:26	
62190-1	Mo	10.57414	12.57596	8.57231	26.77295	ug/L	10/19/10	12:26	
62190-1	Na	2718.77197	2958.53125	2479.01245	12.47147	ug/L	10/19/10	12:26	
62190-1	Ni	129.06985	129.61035	128.52937	0.59221	ug/L	10/19/10	12:26	
62190-1	Pb	1276.99609	1275.29492	1278.69738	0.18840	ug/L	10/19/10	12:26	
62190-1	Se	13.94076	17.01282	10.86871	31.16428	ug/L	10/19/10	12:26	
62190-1	Sb	41.02278	50.67615	31.36942	33.27887	ug/L	10/19/10	12:26	
62190-1	Sn	133.55671	137.62156	129.49186	4.30421	ug/L	10/19/10	12:26	
62190-1	Sr	321.64855	322.03424	321.26290	0.16956	ug/L	10/19/10	12:26	
62190-1	Ti	5551.91894	5551.99609	5551.84179	0.00196	ug/L	10/19/10	12:26	
62190-1	Tl	4.03083	9.83045	-1.76877	203.47869	ug/L	10/19/10	12:26	
62190-1	V	218.38656	220.41389	216.35923	1.31284	ug/L	10/19/10	12:26	
62190-1	Zn	1121.98974	1121.18151	1122.79809	0.10188	ug/L	10/19/10	12:26	
62190-1	2203/1	1284.56933	1290.49926	1278.63940	0.65284	ug/L	10/19/10	12:26	
62190-1	2203/2	1273.21520	1267.70410	1278.72631	0.61214	ug/L	10/19/10	12:26	
62190-1	1960/1	19.06016	15.58488	22.53544	25.78565	ug/L	10/19/10	12:26	
62190-1	1960/2	11.38490	17.72571	5.04409	78.76451	ug/L	10/19/10	12:26	
62190-1	Y	985.91845	983.11492	988.72198	0.40214		10/19/10	12:26	
62190-1S	Ag	45.99180	45.06149	46.92211	2.86063	ug/L	10/19/10	12:32	
62190-1S	Al	75117.78125	75167.33593	75068.21875	0.09330	ug/L	10/19/10	12:32	
62190-1S	2Al	75.12122	75.17211	75.07033	0.09580	mg/L	10/19/10	12:32	
62190-1S	As	2098.09033	2100.82861	2095.35229	0.18456	ug/L	10/19/10	12:32	
62190-1S	B	1000.70916	999.12652	1002.29180	0.22366	ug/L	10/19/10	12:32	
62190-1S	Ba	2917.08105	2921.46923	2912.69262	0.21274	ug/L	10/19/10	12:32	
62190-1S	Be	55.26419	55.28757	55.24081	0.05983	ug/L	10/19/10	12:32	
62190-1S	Ca	39686.24218	39698.76171	39673.72656	0.04460	ug/L	10/19/10	12:32	
62190-1S	Cd	53.69682	53.34674	54.04689	0.92198	ug/L	10/19/10	12:32	
62190-1S	Co	590.12829	589.90148	590.35510	0.05435	ug/L	10/19/10	12:32	
62190-1S	Cr	397.86090	398.33978	397.38201	0.17022	ug/L	10/19/10	12:32	
62190-1S	Cu	1210.23950	1212.53039	1207.94860	0.26770	ug/L	10/19/10	12:32	
62190-1S	Fe	197756.53125	197812.95312	197700.12500	0.04034	ug/L	10/19/10	12:32	
62190-1S	2Fe	197.72846	197.78811	197.66882	0.04266	mg/L	10/19/10	12:32	
62190-1S	K	15257.35839	15243.20117	15271.51562	0.13122	ug/L	10/19/10	12:32	
62190-1S	Mg	31588.27343	31576.13476	31600.41210	0.05434	ug/L	10/19/10	12:32	
62190-1S	2Mg	31.54595	31.53381	31.55810	0.05444	mg/L	10/19/10	12:32	
62190-1S	Mn	2997.60913	2999.65063	2995.56762	0.09631	ug/L	10/19/10	12:32	
62190-1S	Mo	502.89050	502.29238	503.48864	0.16820	ug/L	10/19/10	12:32	
62190-1S	Na	8370.38867	8341.45117	8399.32519	0.48890	ug/L	10/19/10	12:32	
62190-1S	Ni	651.15325	648.64276	653.66375	0.54524	ug/L	10/19/10	12:32	
62190-1S	Pb	2332.59008	2330.64355	2334.53662	0.11801	ug/L	10/19/10	12:32	
62190-1S	Se	2042.96118	2044.49462	2041.42761	0.10615	ug/L	10/19/10	12:32	
62190-1S	Sb	509.17962	504.82904	513.53021	1.20834	ug/L	10/19/10	12:32	
62190-1S	Sn	1107.29150	1106.74523	1107.83764	0.06976	ug/L	10/19/10	12:32	
62190-1S	Sr	923.11676	925.55566	920.67785	0.37363	ug/L	10/19/10	12:32	
62190-1S	Ti	6813.08496	6819.26708	6806.90332	0.12831	ug/L	10/19/10	12:32	
62190-1S	Tl	2028.90771	2028.62512	2029.19030	0.01969	ug/L	10/19/10	12:32	
62190-1S	V	732.91638	733.70104	732.13171	0.15140	ug/L	10/19/10	12:32	
62190-1S	Zn	1856.16210	1855.33447	1856.98986	0.06306	ug/L	10/19/10	12:32	
62190-1S	2203/1	2330.09716	2324.30029	2335.89379	0.35182	ug/L	10/19/10	12:32	
62190-1S	2203/2	2333.83496	2333.81054	2333.85913	0.00147	ug/L	10/19/10	12:32	
62190-1S	1960/1	2066.19580	2056.47851	2075.91284	0.66509	ug/L	10/19/10	12:32	
62190-1S	1960/2	2031.36120	2038.51159	2024.21081	0.49780	ug/L	10/19/10	12:32	
62190-1S	Y	974.75848	970.82098	978.69598	0.57126		10/19/10	12:32	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62190-1SD	Ag	45.06422	45.21902	44.90942	0.48578	ug/L	10/19/10	12:37	
62190-1SD	Al	73265.79687	73152.57031	73379.02343	0.21855	ug/L	10/19/10	12:37	
62190-1SD	2Al	73.26840	73.15394	73.38286	0.22092	mg/L	10/19/10	12:37	
62190-1SD	As	2041.86633	2049.74511	2033.98754	0.54569	ug/L	10/19/10	12:37	
62190-1SD	B	975.00439	975.69708	974.31164	0.10047	ug/L	10/19/10	12:37	
62190-1SD	Ba	2674.41015	2673.48022	2675.33984	0.04916	ug/L	10/19/10	12:37	
62190-1SD	Be	53.65327	53.74858	53.55797	0.25120	ug/L	10/19/10	12:37	
62190-1SD	Ca	36453.46875	36447.78515	36459.14843	0.02204	ug/L	10/19/10	12:37	
62190-1SD	Cd	52.86512	53.00260	52.72764	0.36776	ug/L	10/19/10	12:37	
62190-1SD	Co	566.48718	565.55718	567.41723	0.23217	ug/L	10/19/10	12:37	
62190-1SD	Cr	382.65573	383.07754	382.23391	0.15589	ug/L	10/19/10	12:37	
62190-1SD	Cu	1206.47717	1205.86425	1207.09008	0.07184	ug/L	10/19/10	12:37	
62190-1SD	Fe	232112.96875	232320.07812	231905.87500	0.12618	ug/L	10/19/10	12:37	
62190-1SD	2Fe	232.07733	232.28053	231.87411	0.12382	mg/L	10/19/10	12:37	
62190-1SD	K	13861.78125	13836.43066	13887.13085	0.25862	ug/L	10/19/10	12:37	
62190-1SD	Mg	34166.38281	34204.95312	34127.81250	0.15965	ug/L	10/19/10	12:37	
62190-1SD	2Mg	34.11733	34.15586	34.07880	0.15969	mg/L	10/19/10	12:37	
62190-1SD	Mn	3079.16381	3081.24438	3077.08325	0.09555	ug/L	10/19/10	12:37	
62190-1SD	Mo	484.07885	487.54388	480.61380	1.01229	ug/L	10/19/10	12:37	
62190-1SD	Na	7424.70117	7595.76855	7253.63378	3.25839	ug/L	10/19/10	12:37	
62190-1SD	Ni	645.58972	646.89953	644.27990	0.28692	ug/L	10/19/10	12:37	
62190-1SD	Pb	1984.46423	1980.75488	1988.17358	0.26434	ug/L	10/19/10	12:37	
62190-1SD	Se	1994.69152	1986.10388	2003.27917	0.60885	ug/L	10/19/10	12:37	
62190-1SD	Sb	505.87402	508.39114	503.35690	0.70368	ug/L	10/19/10	12:37	
62190-1SD	Sn	1085.58886	1086.25170	1084.92614	0.08634	ug/L	10/19/10	12:37	
62190-1SD	Sr	782.05438	781.32989	782.77886	0.13101	ug/L	10/19/10	12:37	
62190-1SD	Ti	6922.69921	6924.42041	6920.97851	0.03515	ug/L	10/19/10	12:37	
62190-1SD	Tl	1985.24755	1989.28808	1981.20715	0.28782	ug/L	10/19/10	12:37	
62190-1SD	V	732.61328	733.52203	731.70452	0.17542	ug/L	10/19/10	12:37	
62190-1SD	Zn	1907.68823	1910.71191	1904.66467	0.22414	ug/L	10/19/10	12:37	
62190-1SD	2203/1	1992.40576	1992.58117	1992.23034	0.01245	ug/L	10/19/10	12:37	
62190-1SD	2203/2	1980.49938	1974.85058	1986.14819	0.40336	ug/L	10/19/10	12:37	
62190-1SD	1960/1	2006.74914	2002.80566	2010.69262	0.27790	ug/L	10/19/10	12:37	
62190-1SD	1960/2	1988.67175	1977.76550	1999.57800	0.77558	ug/L	10/19/10	12:37	
62190-1SD	Y	980.50500	981.70196	979.30798	0.17264		10/19/10	12:37	
CCV	Ag	502.98327	502.86511	503.10147	0.03322	ug/L	10/19/10	12:42	
CCV	Al	5171.71777	5165.25927	5178.17675	0.17661	ug/L	10/19/10	12:42	
CCV	2Al	5.17191	5.16534	5.17847	0.17949	mg/L	10/19/10	12:42	
CCV	As	505.00360	500.99066	509.01654	1.12378	ug/L	10/19/10	12:42	
CCV	B	5003.42675	4989.79345	5017.05957	0.38533	ug/L	10/19/10	12:42	
CCV	Ba	5069.65283	5073.14355	5066.16210	0.09737	ug/L	10/19/10	12:42	
CCV	Be	500.12780	499.54348	500.71215	0.16523	ug/L	10/19/10	12:42	
CCV	Ca	4948.88037	4948.48632	4949.27441	0.01126	ug/L	10/19/10	12:42	
CCV	Cd	499.15576	500.06930	498.24218	0.25883	ug/L	10/19/10	12:42	
CCV	Co	505.92285	503.84744	507.99829	0.58014	ug/L	10/19/10	12:42	
CCV	Cr	5029.83007	5026.94824	5032.71142	0.08102	ug/L	10/19/10	12:42	
CCV	Cu	5051.26269	5053.14257	5049.38281	0.05263	ug/L	10/19/10	12:42	
CCV	Fe	5037.53125	5008.88427	5066.17822	0.80422	ug/L	10/19/10	12:42	
CCV	2Fe	5.03753	5.00888	5.06617	0.80414	mg/L	10/19/10	12:42	
CCV	K	10731.07128	10746.05566	10716.08691	0.19747	ug/L	10/19/10	12:42	
CCV	Mg	5102.68847	5093.79345	5111.58349	0.24652	ug/L	10/19/10	12:42	
CCV	2Mg	5.10267	5.09378	5.11156	0.24634	mg/L	10/19/10	12:42	
CCV	Mn	5053.50976	5051.36865	5055.65087	0.05991	ug/L	10/19/10	12:42	
CCV	Mo	497.76156	496.14505	499.37808	0.45927	ug/L	10/19/10	12:42	
CCV	Na	7879.40332	7885.29101	7873.51562	0.10567	ug/L	10/19/10	12:42	
CCV	Ni	2514.69067	2516.42944	2512.95190	0.09778	ug/L	10/19/10	12:42	
CCV	Pb	506.98684	506.85455	507.11914	0.03690	ug/L	10/19/10	12:42	
CCV	Se	5012.22460	5025.92431	4998.52441	0.38654	ug/L	10/19/10	12:42	
CCV	Sb	489.11975	493.54138	484.69812	1.27844	ug/L	10/19/10	12:42	
CCV	Sn	5021.09082	5012.31347	5029.86767	0.24721	ug/L	10/19/10	12:42	
CCV	Sr	2586.65478	2588.96020	2584.34912	0.12605	ug/L	10/19/10	12:42	
CCV	Ti	505.65686	505.60650	505.70718	0.01407	ug/L	10/19/10	12:42	
CCV	Tl	5031.48974	5023.39111	5039.58837	0.22763	ug/L	10/19/10	12:42	
CCV	V	5027.87646	5027.45458	5028.29833	0.01186	ug/L	10/19/10	12:42	
CCV	Zn	2507.75537	2504.36279	2511.14794	0.19131	ug/L	10/19/10	12:42	
CCV	2203/1	504.81146	510.84518	498.77777	1.69032	ug/L	10/19/10	12:42	
CCV	2203/2	508.07290	504.86224	511.28356	0.89368	ug/L	10/19/10	12:42	
CCV	1960/1	5049.76074	5058.16552	5041.35595	0.23538	ug/L	10/19/10	12:42	
CCV	1960/2	4993.48437	5009.82763	4977.14062	0.46286	ug/L	10/19/10	12:42	
CCV	Y	956.48394	955.77294	957.19494	0.10512		10/19/10	12:42	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.81708	0.57732	-2.21148	241.34451	ug/L	10/19/10	12:47	
CCB	Al	-2.20441	-7.33251	2.92368	328.98681	ug/L	10/19/10	12:47	
CCB	2Al	-0.00220	-0.00733	0.00292	328.98757	mg/L	10/19/10	12:47	
CCB	As	0.44804	1.65178	-0.75570	379.95379	ug/L	10/19/10	12:47	
CCB	B	7.00381	9.29196	4.71567	46.20232	ug/L	10/19/10	12:47	
CCB	Ba	1.14018	0.82597	1.45438	38.97267	ug/L	10/19/10	12:47	
CCB	Be	0.01998	0.04068	-0.00072	146.54040	ug/L	10/19/10	12:47	
CCB	Ca	2.93965	2.41392	3.46538	25.29188	ug/L	10/19/10	12:47	
CCB	Cd	-0.30276	0.09985	-0.70538	188.06303	ug/L	10/19/10	12:47	
CCB	Co	-0.27135	-0.51983	-0.02286	129.50492	ug/L	10/19/10	12:47	
CCB	Cr	0.12698	-1.00862	1.26259	1264.68249	ug/L	10/19/10	12:47	
CCB	Cu	0.22557	0.19201	0.25913	21.03750	ug/L	10/19/10	12:47	
CCB	Fe	7.33772	24.71573	-10.04027	334.92941	ug/L	10/19/10	12:47	
CCB	2Fe	0.00733	0.02471	-0.01003	334.93035	mg/L	10/19/10	12:47	
CCB	K	-0.23278	25.37418	-25.83975	15556.52050	ug/L	10/19/10	12:47	
CCB	Mg	-7.36245	-5.77011	-8.95480	30.58652	ug/L	10/19/10	12:47	
CCB	2Mg	-0.00736	-0.00577	-0.00894	30.51742	mg/L	10/19/10	12:47	
CCB	Mn	0.90179	0.13392	1.66966	120.41906	ug/L	10/19/10	12:47	
CCB	Mo	0.82291	1.19172	0.45410	63.38180	ug/L	10/19/10	12:47	
CCB	Na	20.84437	258.44412	-216.75537	1612.02612	ug/L	10/19/10	12:47	
CCB	Ni	-0.02736	1.43371	-1.48844	7550.52392	ug/L	10/19/10	12:47	
CCB	Pb	-1.11482	-4.62139	2.39175	444.82867	ug/L	10/19/10	12:47	
CCB	Se	0.19736	5.04031	-4.64558	3470.18310	ug/L	10/19/10	12:47	
CCB	Sb	-5.03254	5.92909	-15.99417	308.03698	ug/L	10/19/10	12:47	
CCB	Sn	1.07967	5.40202	-3.24267	566.16278	ug/L	10/19/10	12:47	
CCB	Sr	0.41893	0.06477	0.77309	119.55539	ug/L	10/19/10	12:47	
CCB	Ti	0.43650	0.18070	0.69230	82.87447	ug/L	10/19/10	12:47	
CCB	Tl	-0.28185	4.90711	-5.47083	2603.56298	ug/L	10/19/10	12:47	
CCB	V	0.93357	2.27636	-0.40921	203.41139	ug/L	10/19/10	12:47	
CCB	Zn	0.86710	0.72347	1.01073	23.42558	ug/L	10/19/10	12:47	
CCB	2203/1	-3.65234	0.84775	-8.15244	174.24708	ug/L	10/19/10	12:47	
CCB	2203/2	0.15203	-7.35187	7.65594	6979.99365	ug/L	10/19/10	12:47	
CCB	1960/1	2.70109	7.67411	-2.27193	260.37319	ug/L	10/19/10	12:47	
CCB	1960/2	-1.05262	3.72538	-5.83062	641.93353	ug/L	10/19/10	12:47	
CCB	Y	951.20544	954.81896	947.59197	0.53723		10/19/10	12:47	
61963-36 1/100	Ag	0.76928	0.83291	0.70566	11.69635	ug/L	10/19/10	12:52	
61963-36 1/100	Al	3.59538	5.60140	1.58935	78.90531	ug/L	10/19/10	12:52	
61963-36 1/100	2Al	0.00359	0.00560	0.00158	78.90542	mg/L	10/19/10	12:52	
61963-36 1/100	As	-0.98349	-6.67419	4.70720	818.29205	ug/L	10/19/10	12:52	
61963-36 1/100	B	26.75425	28.87659	24.63191	11.21855	ug/L	10/19/10	12:52	
61963-36 1/100	Ba	0.95429	0.39471	1.51387	82.92651	ug/L	10/19/10	12:52	
61963-36 1/100	Be	0.03717	0.00818	0.06615	110.26114	ug/L	10/19/10	12:52	
61963-36 1/100	Ca	2604.89404	2938.78369	2271.00463	18.12707	ug/L	10/19/10	12:52	
61963-36 1/100	Cd	0.15936	-0.12396	0.44268	251.42716	ug/L	10/19/10	12:52	
61963-36 1/100	Co	0.13986	-0.22614	0.50588	370.07907	ug/L	10/19/10	12:52	
61963-36 1/100	Cr	-0.24016	-1.20775	0.72743	569.77484	ug/L	10/19/10	12:52	
61963-36 1/100	Cu	0.04971	-0.59236	0.69179	1826.40649	ug/L	10/19/10	12:52	
61963-36 1/100	Fe	22.06514	14.07460	30.05567	51.21346	ug/L	10/19/10	12:52	
61963-36 1/100	2Fe	0.02206	0.01407	0.03005	51.21464	mg/L	10/19/10	12:52	
61963-36 1/100	K	2461.45703	2796.68505	2126.22900	19.26029	ug/L	10/19/10	12:52	
61963-36 1/100	Mg	6810.64941	7670.97949	5950.31884	17.86453	ug/L	10/19/10	12:52	
61963-36 1/100	2Mg	6.80872	7.66881	5.94863	17.86456	mg/L	10/19/10	12:52	
61963-36 1/100	Mn	0.79918	0.25457	1.34379	96.37332	ug/L	10/19/10	12:52	
61963-36 1/100	Mo	-2.01401	-0.66577	-3.36225	94.67171	ug/L	10/19/10	12:52	
61963-36 1/100	Na	65851.60937	73431.20312	58272.01562	16.27775	ug/L	10/19/10	12:52	
61963-36 1/100	Ni	1.44341	0.92286	1.96396	51.00207	ug/L	10/19/10	12:52	
61963-36 1/100	Pb	-1.81324	-1.63158	-1.99489	14.16764	ug/L	10/19/10	12:52	
61963-36 1/100	Se	2.72637	-0.03956	5.49230	143.47351	ug/L	10/19/10	12:52	
61963-36 1/100	Sb	0.34029	2.03000	-1.34941	702.21276	ug/L	10/19/10	12:52	
61963-36 1/100	Sn	2.54672	0.22787	4.86556	128.76708	ug/L	10/19/10	12:52	
61963-36 1/100	Sr	50.53159	56.70613	44.35704	17.28052	ug/L	10/19/10	12:52	
61963-36 1/100	Ti	0.26913	0.07057	0.46769	104.33746	ug/L	10/19/10	12:52	
61963-36 1/100	Tl	-2.55811	-4.08097	-1.03526	84.18861	ug/L	10/19/10	12:52	
61963-36 1/100	V	-0.20015	-1.00946	0.60915	571.82897	ug/L	10/19/10	12:52	
61963-36 1/100	Zn	0.80075	0.32004	1.28146	84.89807	ug/L	10/19/10	12:52	
61963-36 1/100	2203/1	5.34845	9.66619	1.03071	114.16757	ug/L	10/19/10	12:52	
61963-36 1/100	2203/2	-5.38872	-7.27201	-3.50542	49.42502	ug/L	10/19/10	12:52	
61963-36 1/100	1960/1	13.19874	10.75232	15.64517	26.21282	ug/L	10/19/10	12:52	
61963-36 1/100	1960/2	-2.50201	-5.42741	0.42338	165.35232	ug/L	10/19/10	12:52	
61963-36 1/100	Y	948.13647	946.65594	949.61694	0.22082		10/19/10	12:52	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-43 1/100	Ag	0.49161	0.39897	0.58425	26.64844	ug/L	10/19/10	12:58	
61963-43 1/100	Al	-5.80715	-10.22628	-1.38802	107.61877	ug/L	10/19/10	12:58	
61963-43 1/100	2Al	-0.00580	-0.01022	-0.00138	107.61895	mg/L	10/19/10	12:58	
61963-43 1/100	As	-0.73426	-1.93582	0.46729	231.42236	ug/L	10/19/10	12:58	
61963-43 1/100	B	17.23958	20.08163	14.39753	23.31416	ug/L	10/19/10	12:58	
61963-43 1/100	Ba	0.30098	0.05122	0.55074	117.35484	ug/L	10/19/10	12:58	
61963-43 1/100	Be	-0.05391	-0.08753	-0.02029	88.18000	ug/L	10/19/10	12:58	
61963-43 1/100	Ca	2156.14721	2333.56274	1978.73168	11.63665	ug/L	10/19/10	12:58	
61963-43 1/100	Cd	-0.39214	-0.75138	-0.03290	129.55587	ug/L	10/19/10	12:58	
61963-43 1/100	Co	-0.71227	-0.99627	-0.42828	56.38605	ug/L	10/19/10	12:58	
61963-43 1/100	Cr	0.24683	0.00472	0.48894	138.71343	ug/L	10/19/10	12:58	
61963-43 1/100	Cu	-0.33562	-1.21122	0.53997	368.94995	ug/L	10/19/10	12:58	
61963-43 1/100	Fe	-20.77891	-34.22089	-7.33692	91.48621	ug/L	10/19/10	12:58	
61963-43 1/100	2Fe	-0.02077	-0.03421	-0.00733	91.48611	mg/L	10/19/10	12:58	
61963-43 1/100	K	1598.41308	1702.77258	1494.05346	9.23332	ug/L	10/19/10	12:58	
61963-43 1/100	Mg	4757.56054	5155.50000	4359.62158	11.82898	ug/L	10/19/10	12:58	
61963-43 1/100	2Mg	4.75622	5.15405	4.35839	11.82903	mg/L	10/19/10	12:58	
61963-43 1/100	Mn	-0.04323	-0.13599	0.04952	303.39450	ug/L	10/19/10	12:58	
61963-43 1/100	Mo	0.17590	1.57774	-1.22592	1127.01782	ug/L	10/19/10	12:58	
61963-43 1/100	Na	41827.37109	46417.16015	37237.58203	15.51840	ug/L	10/19/10	12:58	
61963-43 1/100	Ni	-1.10961	-2.27106	0.05184	148.02912	ug/L	10/19/10	12:58	
61963-43 1/100	Pb	-1.83286	-2.31400	-1.35172	37.12400	ug/L	10/19/10	12:58	
61963-43 1/100	Se	1.54139	-1.17042	4.25322	248.80671	ug/L	10/19/10	12:58	
61963-43 1/100	Sb	-4.93142	-6.53559	-3.32726	46.00357	ug/L	10/19/10	12:58	
61963-43 1/100	Sn	1.50255	0.81489	2.19020	64.72267	ug/L	10/19/10	12:58	
61963-43 1/100	Sr	49.57438	53.72978	45.41897	11.85416	ug/L	10/19/10	12:58	
61963-43 1/100	Ti	-0.42055	-0.39270	-0.44839	9.36350	ug/L	10/19/10	12:58	
61963-43 1/100	Tl	-2.17883	-0.49455	-3.86310	109.32117	ug/L	10/19/10	12:58	
61963-43 1/100	V	-1.03079	-2.15198	0.09039	153.82299	ug/L	10/19/10	12:58	
61963-43 1/100	Zn	0.49484	0.11632	0.87337	108.17787	ug/L	10/19/10	12:58	
61963-43 1/100	2203/1	0.19208	0.77065	-0.38648	425.96890	ug/L	10/19/10	12:58	
61963-43 1/100	2203/2	-2.84382	-3.85402	-1.83362	50.23651	ug/L	10/19/10	12:58	
61963-43 1/100	1960/1	9.99399	12.97761	7.01037	42.22010	ug/L	10/19/10	12:58	
61963-43 1/100	1960/2	-2.67856	-8.23384	2.87671	293.30474	ug/L	10/19/10	12:58	
61963-43 1/100	Y	945.68395	944.73895	946.62896	0.14132		10/19/10	12:58	
62048-1 1/100	Ag	0.18082	0.21174	0.14990	24.17851	ug/L	10/19/10	13:03	
62048-1 1/100	Al	17.54027	16.70515	18.37539	6.73329	ug/L	10/19/10	13:03	
62048-1 1/100	2Al	0.01754	0.01670	0.01837	6.73335	mg/L	10/19/10	13:03	
62048-1 1/100	As	2.62390	3.12354	2.12427	26.92905	ug/L	10/19/10	13:03	
62048-1 1/100	B	7.33408	5.93054	8.73763	27.06421	ug/L	10/19/10	13:03	
62048-1 1/100	Ba	3.40370	3.67542	3.13197	11.28994	ug/L	10/19/10	13:03	
62048-1 1/100	Be	-0.05433	-0.03031	-0.07836	62.52861	ug/L	10/19/10	13:03	
62048-1 1/100	Ca	145.36325	153.25256	137.47392	7.67538	ug/L	10/19/10	13:03	
62048-1 1/100	Cd	0.16708	0.15942	0.17474	6.47994	ug/L	10/19/10	13:03	
62048-1 1/100	Co	-0.08811	0.08097	-0.25720	271.37896	ug/L	10/19/10	13:03	
62048-1 1/100	Cr	-0.52859	-0.43129	-0.62588	26.03017	ug/L	10/19/10	13:03	
62048-1 1/100	Cu	0.37446	0.36949	0.37942	1.87488	ug/L	10/19/10	13:03	
62048-1 1/100	Fe	29.57868	31.58013	27.57722	9.56934	ug/L	10/19/10	13:03	
62048-1 1/100	2Fe	0.02957	0.03157	0.02757	9.56988	mg/L	10/19/10	13:03	
62048-1 1/100	K	5251.91601	5514.04003	4989.79150	7.05837	ug/L	10/19/10	13:03	
62048-1 1/100	Mg	83.95549	87.11419	80.79677	5.32078	ug/L	10/19/10	13:03	
62048-1 1/100	2Mg	0.08393	0.08709	0.08077	5.32087	mg/L	10/19/10	13:03	
62048-1 1/100	Mn	20.51658	21.74116	19.29200	8.44107	ug/L	10/19/10	13:03	
62048-1 1/100	Mo	0.78232	1.01573	0.54891	42.19350	ug/L	10/19/10	13:03	
62048-1 1/100	Na	108887.95312	116463.51562	101312.39062	9.83897	ug/L	10/19/10	13:03	
62048-1 1/100	Ni	-0.65264	-0.55183	-0.75345	21.84435	ug/L	10/19/10	13:03	
62048-1 1/100	Pb	-2.79808	-2.76946	-2.82669	1.44621	ug/L	10/19/10	13:03	
62048-1 1/100	Se	-0.02405	-2.34629	2.29817	13649.99511	ug/L	10/19/10	13:03	
62048-1 1/100	Sb	-4.08508	-4.87803	-3.29214	27.45097	ug/L	10/19/10	13:03	
62048-1 1/100	Sn	-3.10175	-2.14066	-4.06284	43.81985	ug/L	10/19/10	13:03	
62048-1 1/100	Sr	0.94039	0.99749	0.88329	8.58768	ug/L	10/19/10	13:03	
62048-1 1/100	Ti	-0.20793	-0.16728	-0.24859	27.65102	ug/L	10/19/10	13:03	
62048-1 1/100	Tl	-4.44082	-0.30030	-8.58135	131.85795	ug/L	10/19/10	13:03	
62048-1 1/100	V	2.43375	3.15883	1.70866	42.13343	ug/L	10/19/10	13:03	
62048-1 1/100	Zn	2.90907	3.07980	2.73834	8.29977	ug/L	10/19/10	13:03	
62048-1 1/100	2203/1	2.79713	3.74829	1.84596	48.09028	ug/L	10/19/10	13:03	
62048-1 1/100	2203/2	-5.59149	-6.02346	-5.15952	10.92545	ug/L	10/19/10	13:03	
62048-1 1/100	1960/1	5.63054	-1.89190	13.15299	188.93983	ug/L	10/19/10	13:03	
62048-1 1/100	1960/2	-2.84712	-2.57315	-3.12109	13.60843	ug/L	10/19/10	13:03	
62048-1 1/100	Y	944.96844	945.49493	944.44195	0.07879		10/19/10	13:03	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-16 1/10	Ag	-0.77617	0.32883	-1.88118	201.33621	ug/L	10/19/10	13:08	
61970-16 1/10	Al	434.58502	435.29229	433.87771	0.23016	ug/L	10/19/10	13:08	
61970-16 1/10	2Al	0.43461	0.43532	0.43390	0.23015	mg/L	10/19/10	13:08	
61970-16 1/10	As	9.36290	8.25364	10.47216	16.75471	ug/L	10/19/10	13:08	
61970-16 1/10	B	17.56129	18.33633	16.78625	6.24139	ug/L	10/19/10	13:08	
61970-16 1/10	Ba	14.57604	14.89747	14.25461	3.11857	ug/L	10/19/10	13:08	
61970-16 1/10	Be	-0.03684	0.03309	-0.10678	268.44064	ug/L	10/19/10	13:08	
61970-16 1/10	Ca	8113.84765	8163.04833	8064.64648	0.85755	ug/L	10/19/10	13:08	
61970-16 1/10	Cd	1.79773	2.30597	1.28950	39.98097	ug/L	10/19/10	13:08	
61970-16 1/10	Co	29.25081	30.12746	28.37416	4.23842	ug/L	10/19/10	13:08	
61970-16 1/10	Cr	23.78960	23.84718	23.73202	0.34227	ug/L	10/19/10	13:08	
61970-16 1/10	Cu	7.43638	8.22472	6.64803	14.99238	ug/L	10/19/10	13:08	
61970-16 1/10	Fe	4625.36669	4666.16015	4584.57324	1.24726	ug/L	10/19/10	13:08	
61970-16 1/10	2Fe	4.62478	4.66557	4.58400	1.24727	mg/L	10/19/10	13:08	
61970-16 1/10	K	94.06806	117.01349	71.12265	34.49600	ug/L	10/19/10	13:08	
61970-16 1/10	Mg	125.99054	127.62475	124.35633	1.83435	ug/L	10/19/10	13:08	
61970-16 1/10	2Mg	0.12514	0.12677	0.12351	1.83809	mg/L	10/19/10	13:08	
61970-16 1/10	Mn	9.14469	9.11133	9.17805	0.51587	ug/L	10/19/10	13:08	
61970-16 1/10	Mo	2.20196	3.12476	1.27917	59.26665	ug/L	10/19/10	13:08	
61970-16 1/10	Na	250.09812	264.84445	235.35180	8.33850	ug/L	10/19/10	13:08	
61970-16 1/10	Ni	0.98095	2.17840	-0.21649	172.63267	ug/L	10/19/10	13:08	
61970-16 1/10	Pb	10663.72070	10789.71289	10537.72753	1.67090	ug/L	10/19/10	13:08	
61970-16 1/10	Se	-6.57599	-2.81543	-10.33655	80.87344	ug/L	10/19/10	13:08	
61970-16 1/10	Sb	3.81105	3.25506	4.36704	20.63185	ug/L	10/19/10	13:08	
61970-16 1/10	Sn	7.66701	13.12840	2.20562	100.73765	ug/L	10/19/10	13:08	
61970-16 1/10	Sr	5.67096	5.77071	5.57122	2.48732	ug/L	10/19/10	13:08	
61970-16 1/10	Ti	38.92707	39.30118	38.55297	1.35911	ug/L	10/19/10	13:08	
61970-16 1/10	Tl	-7.14632	1.44603	-15.73868	170.03746	ug/L	10/19/10	13:08	
61970-16 1/10	V	0.60064	2.31845	-1.11716	404.45800	ug/L	10/19/10	13:08	
61970-16 1/10	Zn	9296.07714	9357.25683	9234.89746	0.93072	ug/L	10/19/10	13:08	
61970-16 1/10	2203/1	10454.10351	10545.48535	10362.72167	1.23619	ug/L	10/19/10	13:08	
61970-16 1/10	2203/2	10768.37109	10911.64355	10625.09960	1.88159	ug/L	10/19/10	13:08	
61970-16 1/10	1960/1	-19.23477	-13.32792	-25.14163	43.42942	ug/L	10/19/10	13:08	
61970-16 1/10	1960/2	-0.25609	2.43292	-2.94511	1484.94641	ug/L	10/19/10	13:08	
61970-16 1/10	Y	958.51794	958.14898	958.88696	0.05444		10/19/10	13:08	
PBS 183043	Ag	0.60903	-0.03759	1.25565	150.15126	ug/L	10/19/10	13:15	
PBS 183043	Al	3.94664	7.62047	0.27281	131.64547	ug/L	10/19/10	13:15	
PBS 183043	2Al	0.00394	0.00762	0.00027	131.64588	mg/L	10/19/10	13:15	
PBS 183043	As	-0.47618	1.92566	-2.87802	713.32495	ug/L	10/19/10	13:15	
PBS 183043	B	-0.09203	1.04888	-1.23296	1753.07263	ug/L	10/19/10	13:15	
PBS 183043	Ba	0.21418	-0.02640	0.45478	158.85729	ug/L	10/19/10	13:15	
PBS 183043	Be	0.01503	-0.00087	0.03094	149.69123	ug/L	10/19/10	13:15	
PBS 183043	Ca	58.59511	57.75106	59.43915	2.03712	ug/L	10/19/10	13:15	
PBS 183043	Cd	0.20059	-0.31992	0.72110	366.97625	ug/L	10/19/10	13:15	
PBS 183043	Co	0.98397	1.99594	-0.02798	145.44403	ug/L	10/19/10	13:15	
PBS 183043	Cr	0.17478	1.16634	-0.81677	802.28851	ug/L	10/19/10	13:15	
PBS 183043	Cu	0.50391	1.98089	-0.97306	414.50686	ug/L	10/19/10	13:15	
PBS 183043	Fe	50.62864	42.04447	59.21281	23.97822	ug/L	10/19/10	13:15	
PBS 183043	2Fe	0.05062	0.04203	0.05920	23.97734	mg/L	10/19/10	13:15	
PBS 183043	K	29.07755	8.03301	50.12208	102.35205	ug/L	10/19/10	13:15	
PBS 183043	Mg	-0.95026	10.19451	-12.09503	1658.60424	ug/L	10/19/10	13:15	
PBS 183043	2Mg	-0.00095	0.01018	-0.01210	1643.93615	mg/L	10/19/10	13:15	
PBS 183043	Mn	0.63015	0.81307	0.44722	41.05261	ug/L	10/19/10	13:15	
PBS 183043	Mo	-1.11953	0.82740	-3.06647	245.94081	ug/L	10/19/10	13:15	
PBS 183043	Na	246.73284	108.73487	384.73083	79.09713	ug/L	10/19/10	13:15	
PBS 183043	Ni	0.77950	-1.15002	2.70904	350.06314	ug/L	10/19/10	13:15	
PBS 183043	Pb	0.12850	-0.10393	0.36094	255.80815	ug/L	10/19/10	13:15	
PBS 183043	Se	2.41754	-3.62958	8.46466	353.74511	ug/L	10/19/10	13:15	
PBS 183043	Sb	-4.12948	-6.11795	-2.14102	68.09835	ug/L	10/19/10	13:15	
PBS 183043	Sn	8.82273	5.68680	11.95865	50.26636	ug/L	10/19/10	13:15	
PBS 183043	Sr	0.02499	0.13205	-0.08205	605.57592	ug/L	10/19/10	13:15	
PBS 183043	Ti	0.08954	0.53160	-0.35250	698.14270	ug/L	10/19/10	13:15	
PBS 183043	Tl	-4.29930	-7.15397	-1.44462	93.90176	ug/L	10/19/10	13:15	
PBS 183043	V	0.24632	-0.34165	0.83429	337.57812	ug/L	10/19/10	13:15	
PBS 183043	Zn	15.43598	16.08149	14.79046	5.91407	ug/L	10/19/10	13:15	
PBS 183043	2203/1	3.04205	-5.14964	11.23374	380.82217	ug/L	10/19/10	13:15	
PBS 183043	2203/2	-1.32608	2.41513	-5.06730	398.98449	ug/L	10/19/10	13:15	
PBS 183043	1960/1	10.24750	0.64646	19.84854	132.49980	ug/L	10/19/10	13:15	
PBS 183043	1960/2	-1.49157	-5.76440	2.78126	405.12341	ug/L	10/19/10	13:15	
PBS 183043	Y	950.93994	947.25897	954.62097	0.54742		10/19/10	13:15	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62095-1	Ag	-0.16254	0.61439	-0.93948	675.95794	ug/L	10/19/10	13:20	
62095-1	Al	12.65486	8.86752	16.44221	42.32455	ug/L	10/19/10	13:20	
62095-1	2Al	0.01265	0.00886	0.01644	42.32464	mg/L	10/19/10	13:20	
62095-1	As	1.25914	-2.10077	4.61906	377.37060	ug/L	10/19/10	13:20	
62095-1	B	53.13763	52.78118	53.49407	0.94864	ug/L	10/19/10	13:20	
62095-1	Ba	1.54876	1.72419	1.37333	16.01871	ug/L	10/19/10	13:20	
62095-1	Be	-0.04955	-0.02790	-0.07119	61.76542	ug/L	10/19/10	13:20	
62095-1	Ca	1125.23352	1125.64050	1124.82653	0.05115	ug/L	10/19/10	13:20	
62095-1	Cd	-0.16989	0.02279	-0.36258	160.39909	ug/L	10/19/10	13:20	
62095-1	Co	-0.63336	-1.63269	0.36597	223.13787	ug/L	10/19/10	13:20	
62095-1	Cr	5.85404	5.30897	6.39911	13.16773	ug/L	10/19/10	13:20	
62095-1	Cu	1.40021	0.72556	2.07485	68.13968	ug/L	10/19/10	13:20	
62095-1	Fe	93.06340	108.15644	77.97035	22.93574	ug/L	10/19/10	13:20	
62095-1	2Fe	0.09305	0.10814	0.07796	22.93546	mg/L	10/19/10	13:20	
62095-1	K	66635.62500	66600.01562	66671.24218	0.07558	ug/L	10/19/10	13:20	
62095-1	Mg	1904.88061	1901.35595	1908.40527	0.26167	ug/L	10/19/10	13:20	
62095-1	2Mg	1.90433	1.90080	1.90785	0.26188	mg/L	10/19/10	13:20	
62095-1	Mn	8.58573	8.51824	8.65322	1.11169	ug/L	10/19/10	13:20	
62095-1	Mo	0.71322	2.59882	-1.17237	373.88540	ug/L	10/19/10	13:20	
62095-1	Na	584.72534	731.70465	437.74603	35.54833	ug/L	10/19/10	13:20	
62095-1	Ni	13.00085	13.76681	12.23489	8.33200	ug/L	10/19/10	13:20	
62095-1	Pb	2.27878	3.91366	0.64391	101.46038	ug/L	10/19/10	13:20	
62095-1	Se	-0.35679	0.45013	-1.16371	319.83871	ug/L	10/19/10	13:20	
62095-1	Sb	-2.52055	1.15252	-6.19362	206.08619	ug/L	10/19/10	13:20	
62095-1	Sn	20.07122	24.48293	15.65951	31.08478	ug/L	10/19/10	13:20	
62095-1	Sr	1.31630	1.27197	1.36062	4.76214	ug/L	10/19/10	13:20	
62095-1	Ti	-0.18918	-0.46133	0.08297	203.44529	ug/L	10/19/10	13:20	
62095-1	Tl	-8.12910	-8.36779	-7.89041	4.15242	ug/L	10/19/10	13:20	
62095-1	V	0.55956	1.56041	-0.44128	252.94940	ug/L	10/19/10	13:20	
62095-1	Zn	19.88940	19.33707	20.44173	3.92725	ug/L	10/19/10	13:20	
62095-1	2203/1	6.94590	16.35824	-2.46642	191.63874	ug/L	10/19/10	13:20	
62095-1	2203/2	-0.05127	-2.29929	2.19674	6200.66796	ug/L	10/19/10	13:20	
62095-1	1960/1	16.69421	22.49541	10.89301	49.14358	ug/L	10/19/10	13:20	
62095-1	1960/2	-8.86951	-10.55598	-7.18304	26.89015	ug/L	10/19/10	13:20	
62095-1	Y	984.93750	982.79998	987.07495	0.30690		10/19/10	13:20	
62025-1	Ag	3.18331	3.40276	2.96386	9.74925	ug/L	10/19/10	13:26	
62025-1	Al	68.34413	67.53575	69.15251	1.67274	ug/L	10/19/10	13:26	
62025-1	2Al	0.06834	0.06753	0.06915	1.67276	mg/L	10/19/10	13:26	
62025-1	As	52.48298	46.73346	58.23251	15.49274	ug/L	10/19/10	13:26	
62025-1	B	8.13520	8.55471	7.71569	7.29266	ug/L	10/19/10	13:26	
62025-1	Ba	7.47180	7.33195	7.61164	2.64686	ug/L	10/19/10	13:26	
62025-1	Be	0.47428	0.45065	0.49791	7.04658	ug/L	10/19/10	13:26	
62025-1	Ca	1380.50122	1380.76794	1380.23437	0.02732	ug/L	10/19/10	13:26	
62025-1	Cd	2.21538	1.99036	2.44040	14.36451	ug/L	10/19/10	13:26	
62025-1	Co	32.02576	32.57928	31.47223	2.44428	ug/L	10/19/10	13:26	
62025-1	Cr	1978.57495	1981.77087	1975.37915	0.22842	ug/L	10/19/10	13:26	
62025-1	Cu	656.70495	656.16864	657.24133	0.11550	ug/L	10/19/10	13:26	
62025-1	Fe	1135.86682	1130.63708	1141.09655	0.65112	ug/L	10/19/10	13:26	
62025-1	2Fe	1.13573	1.13050	1.14096	0.65110	mg/L	10/19/10	13:26	
62025-1	K	113.30828	113.06467	113.55189	0.30405	ug/L	10/19/10	13:26	
62025-1	Mg	185.20907	183.64228	186.77586	1.19636	ug/L	10/19/10	13:26	
62025-1	2Mg	0.18513	0.18356	0.18670	1.19557	mg/L	10/19/10	13:26	
62025-1	Mn	388.38665	389.01138	387.76190	0.22748	ug/L	10/19/10	13:26	
62025-1	Mo	-0.05929	2.42839	-2.54698	5933.32031	ug/L	10/19/10	13:26	
62025-1	Na	816.10668	728.14514	904.06823	15.24266	ug/L	10/19/10	13:26	
62025-1	Ni	132.17456	131.90696	132.44215	0.28631	ug/L	10/19/10	13:26	
62025-1	Pb	67.24050	66.81920	67.66180	0.88608	ug/L	10/19/10	13:26	
62025-1	Se	4.02910	1.79259	6.26561	78.50139	ug/L	10/19/10	13:26	
62025-1	Sb	-1.30995	-3.21718	0.59727	205.90202	ug/L	10/19/10	13:26	
62025-1	Sn	38.85539	38.08883	39.62194	2.79002	ug/L	10/19/10	13:26	
62025-1	Sr	4.44428	4.42858	4.45998	0.49946	ug/L	10/19/10	13:26	
62025-1	Ti	31.52856	31.26383	31.79330	1.18746	ug/L	10/19/10	13:26	
62025-1	Tl	-7.06937	-8.33106	-5.80767	25.23998	ug/L	10/19/10	13:26	
62025-1	V	135.66342	135.32482	136.00199	0.35295	ug/L	10/19/10	13:26	
62025-1	Zn	451.95935	451.87463	452.04409	0.02651	ug/L	10/19/10	13:26	
62025-1	2203/1	65.35968	68.63438	62.08498	7.08559	ug/L	10/19/10	13:26	
62025-1	2203/2	68.17950	65.91297	70.44603	4.70134	ug/L	10/19/10	13:26	
62025-1	1960/1	0.47677	5.00041	-4.04686	1341.80407	ug/L	10/19/10	13:26	
62025-1	1960/2	5.80260	0.19108	11.41413	136.76416	ug/L	10/19/10	13:26	
62025-1	Y	941.38647	941.21093	941.56195	0.02636		10/19/10	13:26	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	501.56134	501.97222	501.15042	0.11585	ug/L	10/19/10	13:34	
CCV	Al	5116.25195	5113.20312	5119.30126	0.08428	ug/L	10/19/10	13:34	
CCV	2Al	5.11623	5.11329	5.11918	0.08140	mg/L	10/19/10	13:34	
CCV	As	498.80715	495.93975	501.67456	0.81296	ug/L	10/19/10	13:34	
CCV	B	4989.31640	4984.40332	4994.22900	0.13925	ug/L	10/19/10	13:34	
CCV	Ba	5065.76562	5069.78515	5061.74658	0.11220	ug/L	10/19/10	13:34	
CCV	Be	499.35440	499.26019	499.44860	0.02668	ug/L	10/19/10	13:34	
CCV	Ca	4914.07617	4916.45214	4911.70068	0.06837	ug/L	10/19/10	13:34	
CCV	Cd	497.13861	496.41766	497.85955	0.20508	ug/L	10/19/10	13:34	
CCV	Co	502.47491	502.77883	502.17102	0.08553	ug/L	10/19/10	13:34	
CCV	Cr	5005.54150	5002.82714	5008.25585	0.07668	ug/L	10/19/10	13:34	
CCV	Cu	5045.46826	5048.47558	5042.46093	0.08429	ug/L	10/19/10	13:34	
CCV	Fe	4954.49414	4960.85253	4948.13574	0.18149	ug/L	10/19/10	13:34	
CCV	2Fe	4.95449	4.96085	4.94814	0.18148	mg/L	10/19/10	13:34	
CCV	K	10641.38671	10637.67968	10645.09375	0.04926	ug/L	10/19/10	13:34	
CCV	Mg	5016.65234	5006.45214	5026.85302	0.28755	ug/L	10/19/10	13:34	
CCV	2Mg	5.01666	5.00646	5.02686	0.28750	mg/L	10/19/10	13:34	
CCV	Mn	5018.25927	5017.41357	5019.10498	0.02383	ug/L	10/19/10	13:34	
CCV	Mo	494.65728	494.90414	494.41046	0.07057	ug/L	10/19/10	13:34	
CCV	Na	7785.52978	7882.81103	7688.24853	1.76707	ug/L	10/19/10	13:34	
CCV	Ni	2492.75268	2493.48364	2492.02172	0.04146	ug/L	10/19/10	13:34	
CCV	Pb	500.44665	502.25054	498.64273	0.50976	ug/L	10/19/10	13:34	
CCV	Se	4991.29345	4991.22314	4991.36376	0.00199	ug/L	10/19/10	13:34	
CCV	Sb	484.90130	484.34725	485.45535	0.16158	ug/L	10/19/10	13:34	
CCV	Sn	4962.23437	4962.28027	4962.18798	0.00131	ug/L	10/19/10	13:34	
CCV	Sr	2593.40942	2599.10571	2587.71313	0.31062	ug/L	10/19/10	13:34	
CCV	Ti	497.72747	497.72244	497.73251	0.00143	ug/L	10/19/10	13:34	
CCV	Tl	5009.57617	5003.34863	5015.80419	0.17581	ug/L	10/19/10	13:34	
CCV	V	4980.56152	4982.21435	4978.90869	0.04693	ug/L	10/19/10	13:34	
CCV	Zn	2476.58178	2475.11816	2478.04541	0.08357	ug/L	10/19/10	13:34	
CCV	2203/1	505.43579	510.43194	500.43963	1.39792	ug/L	10/19/10	13:34	
CCV	2203/2	497.95578	498.16595	497.74560	0.05969	ug/L	10/19/10	13:34	
CCV	1960/1	5018.91210	5035.30029	5002.52392	0.46178	ug/L	10/19/10	13:34	
CCV	1960/2	4977.50488	4969.21777	4985.79199	0.23545	ug/L	10/19/10	13:34	
CCV	Y	959.89947	958.52697	961.27197	0.20220		10/19/10	13:34	
CCB	Ag	0.54010	0.51035	0.56985	7.78900	ug/L	10/19/10	13:41	
CCB	Al	-3.20462	-8.57970	2.17044	237.20402	ug/L	10/19/10	13:41	
CCB	2Al	-0.00320	-0.00858	0.00217	237.20243	mg/L	10/19/10	13:41	
CCB	As	3.95867	2.34467	5.57266	57.65901	ug/L	10/19/10	13:41	
CCB	B	2.81130	2.12040	3.50221	34.75568	ug/L	10/19/10	13:41	
CCB	Ba	0.85829	0.23771	1.47886	102.25234	ug/L	10/19/10	13:41	
CCB	Be	0.02580	-0.04924	0.10084	411.34219	ug/L	10/19/10	13:41	
CCB	Ca	-0.23662	-1.75109	1.27785	905.15814	ug/L	10/19/10	13:41	
CCB	Cd	-0.18642	-0.25328	-0.11957	50.71657	ug/L	10/19/10	13:41	
CCB	Co	0.19344	-0.51961	0.90650	521.28894	ug/L	10/19/10	13:41	
CCB	Cr	0.18588	-0.86197	1.23374	797.20330	ug/L	10/19/10	13:41	
CCB	Cu	0.45213	-0.67308	1.57734	351.95437	ug/L	10/19/10	13:41	
CCB	Fe	12.63827	17.96199	7.31455	59.57201	ug/L	10/19/10	13:41	
CCB	2Fe	0.01263	0.01795	0.00731	59.56813	mg/L	10/19/10	13:41	
CCB	K	6.55258	4.60566	8.49951	42.01953	ug/L	10/19/10	13:41	
CCB	Mg	-7.34053	-8.91645	-5.76461	30.36143	ug/L	10/19/10	13:41	
CCB	2Mg	-0.00734	-0.00891	-0.00576	30.37749	mg/L	10/19/10	13:41	
CCB	Mn	0.57398	-0.12057	1.26855	171.12921	ug/L	10/19/10	13:41	
CCB	Mo	-0.01191	-1.11350	1.08967	13076.07128	ug/L	10/19/10	13:41	
CCB	Na	83.83731	106.75623	60.91839	38.66088	ug/L	10/19/10	13:41	
CCB	Ni	0.57242	0.20250	0.94234	91.39218	ug/L	10/19/10	13:41	
CCB	Pb	-1.06252	1.73575	-3.86079	372.44940	ug/L	10/19/10	13:41	
CCB	Se	4.35651	3.48195	5.23106	28.38980	ug/L	10/19/10	13:41	
CCB	Sb	-1.73144	2.69686	-6.15975	361.69659	ug/L	10/19/10	13:41	
CCB	Sn	2.40199	3.80853	0.99545	82.81221	ug/L	10/19/10	13:41	
CCB	Sr	0.29337	-0.09855	0.68529	188.92842	ug/L	10/19/10	13:41	
CCB	Ti	-0.04544	-0.37632	0.28542	1029.57287	ug/L	10/19/10	13:41	
CCB	Tl	-3.53814	-4.16542	-2.91086	25.07269	ug/L	10/19/10	13:41	
CCB	V	1.35959	0.95201	1.76716	42.39497	ug/L	10/19/10	13:41	
CCB	Zn	0.27467	-0.50468	1.05403	401.26501	ug/L	10/19/10	13:41	
CCB	2203/1	3.61942	6.99317	0.24567	131.82214	ug/L	10/19/10	13:41	
CCB	2203/2	-3.39998	-0.88901	-5.91095	104.44290	ug/L	10/19/10	13:41	
CCB	1960/1	8.84831	13.79046	3.90616	78.98961	ug/L	10/19/10	13:41	
CCB	1960/2	2.11397	-1.66456	5.89251	252.77763	ug/L	10/19/10	13:41	
CCB	Y	962.77044	961.73992	963.80096	0.15137		10/19/10	13:41	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62048-1 1/500	Ag	0.92316	1.52724	0.31907	92.54117	ug/L	10/19/10	13:56	
62048-1 1/500	Al	27.81783	29.28976	26.34591	7.48301	ug/L	10/19/10	13:56	
62048-1 1/500	2Al	0.02781	0.02929	0.02634	7.48292	mg/L	10/19/10	13:56	
62048-1 1/500	As	0.61725	1.51729	-0.28279	206.21424	ug/L	10/19/10	13:56	
62048-1 1/500	B	-0.51295	-1.60449	0.57858	300.93823	ug/L	10/19/10	13:56	
62048-1 1/500	Ba	1.00193	1.11586	0.88799	16.08171	ug/L	10/19/10	13:56	
62048-1 1/500	Be	0.00897	0.05948	-0.04153	795.54040	ug/L	10/19/10	13:56	
62048-1 1/500	Ca	34.78060	36.67559	32.88562	7.70521	ug/L	10/19/10	13:56	
62048-1 1/500	Cd	0.18698	0.20092	0.17304	10.54278	ug/L	10/19/10	13:56	
62048-1 1/500	Co	-0.01929	-0.07831	0.03973	432.69750	ug/L	10/19/10	13:56	
62048-1 1/500	Cr	-0.10383	-0.71517	0.50751	832.65942	ug/L	10/19/10	13:56	
62048-1 1/500	Cu	-0.60514	-0.60232	-0.60796	0.65891	ug/L	10/19/10	13:56	
62048-1 1/500	Fe	26.89430	37.34331	16.44528	54.94522	ug/L	10/19/10	13:56	
62048-1 1/500	2Fe	0.02689	0.03733	0.01644	54.94552	mg/L	10/19/10	13:56	
62048-1 1/500	K	1090.45678	1107.61108	1073.30249	2.22474	ug/L	10/19/10	13:56	
62048-1 1/500	Mg	14.41809	15.97813	12.85805	15.30182	ug/L	10/19/10	13:56	
62048-1 1/500	2Mg	0.01441	0.01596	0.01285	15.28665	mg/L	10/19/10	13:56	
62048-1 1/500	Mn	4.61161	4.62825	4.59497	0.51033	ug/L	10/19/10	13:56	
62048-1 1/500	Mo	-0.00856	2.61998	-2.63711	43397.99218	ug/L	10/19/10	13:56	
62048-1 1/500	Na	21017.06640	21155.36328	20878.76953	0.93058	ug/L	10/19/10	13:56	
62048-1 1/500	Ni	1.47489	2.56813	0.38166	104.82550	ug/L	10/19/10	13:56	
62048-1 1/500	Pb	-1.85575	-1.65138	-2.06013	15.57496	ug/L	10/19/10	13:56	
62048-1 1/500	Se	5.53895	3.27326	7.80464	57.84795	ug/L	10/19/10	13:56	
62048-1 1/500	Sb	-3.55614	-0.22412	-6.88815	132.50833	ug/L	10/19/10	13:56	
62048-1 1/500	Sn	2.89484	1.91712	3.87256	47.76441	ug/L	10/19/10	13:56	
62048-1 1/500	Sr	0.19670	0.20481	0.18858	5.83259	ug/L	10/19/10	13:56	
62048-1 1/500	Ti	-0.21323	-0.42234	-0.00411	138.69123	ug/L	10/19/10	13:56	
62048-1 1/500	Tl	-2.93188	0.96721	-6.83099	188.07533	ug/L	10/19/10	13:56	
62048-1 1/500	V	1.94649	3.38697	0.50602	104.65661	ug/L	10/19/10	13:56	
62048-1 1/500	Zn	1.36928	1.23539	1.50317	13.82827	ug/L	10/19/10	13:56	
62048-1 1/500	2203/1	3.31144	8.07226	-1.44938	203.31990	ug/L	10/19/10	13:56	
62048-1 1/500	2203/2	-4.43548	-6.50592	-2.36505	66.01377	ug/L	10/19/10	13:56	
62048-1 1/500	1960/1	5.11363	8.63012	1.59714	97.25121	ug/L	10/19/10	13:56	
62048-1 1/500	1960/2	5.75129	0.59884	10.90374	126.69598	ug/L	10/19/10	13:56	
62048-1 1/500	Y	974.98797	974.60998	975.36596	0.05482		10/19/10	13:56	
61878-1	Ag	-0.34639	-1.06128	0.36850	291.87167	ug/L	10/19/10	14:01	
61878-1	Al	7.96872	2.83320	13.10425	91.14036	ug/L	10/19/10	14:01	
61878-1	2Al	0.00796	0.00283	0.01310	91.14036	mg/L	10/19/10	14:01	
61878-1	As	11.70793	9.40628	14.00957	27.80179	ug/L	10/19/10	14:01	
61878-1	B	36.04005	34.21519	37.86491	7.16076	ug/L	10/19/10	14:01	
61878-1	Ba	87.80696	88.06799	87.54593	0.42041	ug/L	10/19/10	14:01	
61878-1	Be	0.01031	-0.01476	0.03539	343.86111	ug/L	10/19/10	14:01	
61878-1	Ca	28301.12695	28326.57421	28275.67968	0.12716	ug/L	10/19/10	14:01	
61878-1	Cd	-0.14389	-0.33788	0.05009	190.65744	ug/L	10/19/10	14:01	
61878-1	Co	-0.98041	-1.87411	-0.08671	128.91316	ug/L	10/19/10	14:01	
61878-1	Cr	-0.83312	-1.83285	0.16659	169.70129	ug/L	10/19/10	14:01	
61878-1	Cu	-2.00890	-3.21313	-0.80468	84.77385	ug/L	10/19/10	14:01	
61878-1	Fe	131.82580	122.19001	141.46159	10.33717	ug/L	10/19/10	14:01	
61878-1	2Fe	0.13180	0.12217	0.14144	10.33764	mg/L	10/19/10	14:01	
61878-1	K	4451.81347	4467.15087	4436.47607	0.48722	ug/L	10/19/10	14:01	
61878-1	Mg	11359.04199	11338.88476	11379.19921	0.25095	ug/L	10/19/10	14:01	
61878-1	2Mg	11.35581	11.33566	11.37596	0.25093	mg/L	10/19/10	14:01	
61878-1	Mn	6.27472	6.21901	6.33043	1.25559	ug/L	10/19/10	14:01	
61878-1	Mo	53.21351	51.89813	54.52888	3.49576	ug/L	10/19/10	14:01	
61878-1	Na	23684.35937	23711.50390	23657.21484	0.16208	ug/L	10/19/10	14:01	
61878-1	Ni	0.85978	0.56041	1.15915	49.24169	ug/L	10/19/10	14:01	
61878-1	Pb	-1.53159	-1.45412	-1.60906	7.15328	ug/L	10/19/10	14:01	
61878-1	Se	1.93277	3.67701	0.18853	127.62642	ug/L	10/19/10	14:01	
61878-1	Sb	-3.88899	-4.17539	-3.60259	10.41479	ug/L	10/19/10	14:01	
61878-1	Sn	3.18176	0.80332	5.56019	105.71537	ug/L	10/19/10	14:01	
61878-1	Sr	4891.83886	4917.75537	4865.92236	0.74923	ug/L	10/19/10	14:01	
61878-1	Ti	-0.56463	-0.96783	-0.16143	100.98873	ug/L	10/19/10	14:01	
61878-1	Tl	-4.27343	-5.09689	-3.44997	27.25079	ug/L	10/19/10	14:01	
61878-1	V	0.54466	-0.82882	1.91815	356.62274	ug/L	10/19/10	14:01	
61878-1	Zn	0.94585	0.55531	1.33638	58.39186	ug/L	10/19/10	14:01	
61878-1	2203/1	6.74680	11.25012	2.24349	94.39502	ug/L	10/19/10	14:01	
61878-1	2203/2	-5.66458	-7.79672	-3.53245	53.23062	ug/L	10/19/10	14:01	
61878-1	1960/1	9.42038	19.04401	-0.20325	144.47273	ug/L	10/19/10	14:01	
61878-1	1960/2	-1.80541	-3.99496	0.38413	171.51129	ug/L	10/19/10	14:01	
61878-1	Y	988.69946	984.06896	993.32995	0.66233		10/19/10	14:01	

0101810

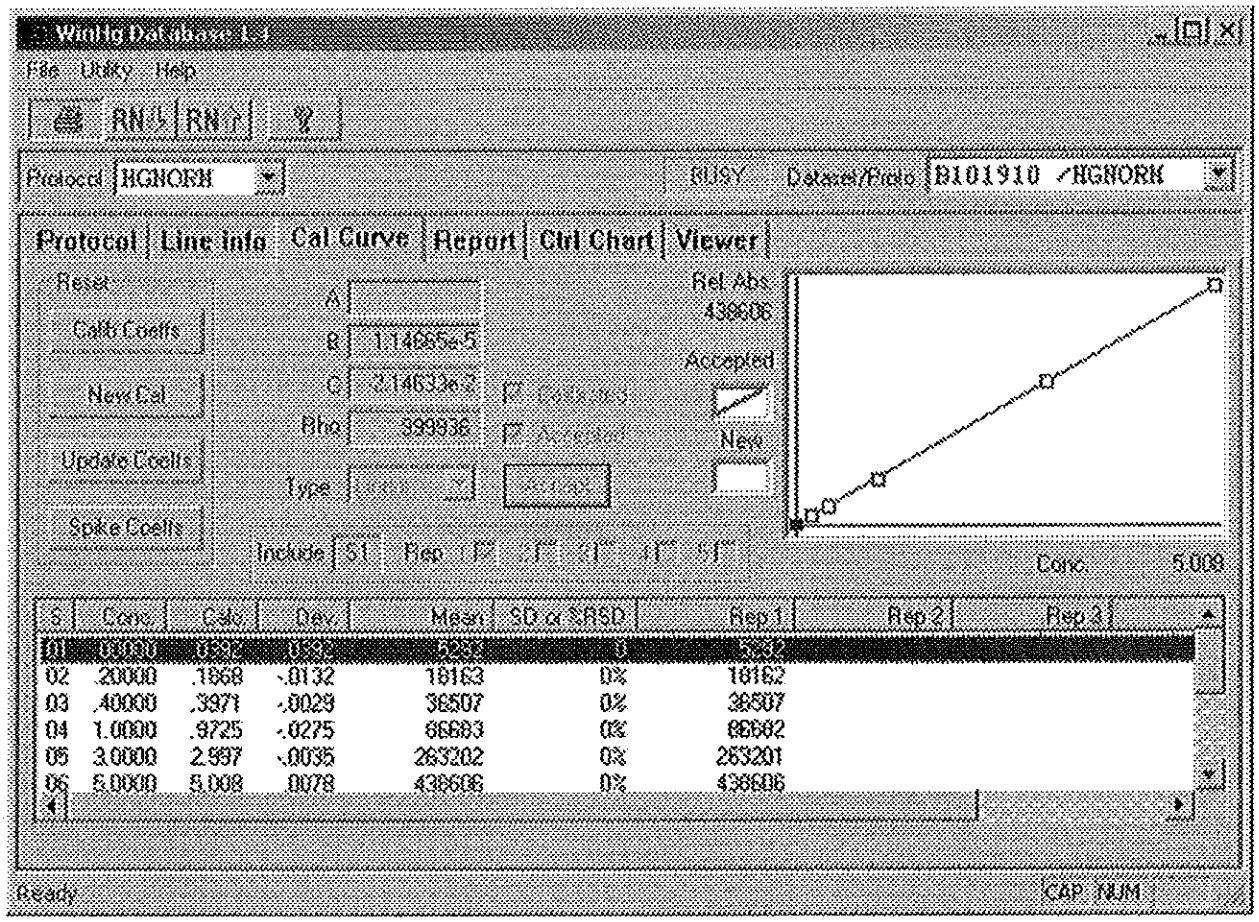
SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP	Ag	10.27043	11.22509	9.31577	13.14546	ug/L	10/19/10	14:06	
RL ICP	Al	219.67094	215.08624	224.25564	2.95157	ug/L	10/19/10	14:06	
RL ICP	2Al	0.21968	0.21510	0.22427	2.95157	mg/L	10/19/10	14:06	
RL ICP	As	21.95874	24.51577	19.40171	16.46810	ug/L	10/19/10	14:06	
RL ICP	B	101.60987	100.06391	103.15583	2.15167	ug/L	10/19/10	14:06	
RL ICP	Ba	10.21852	10.32321	10.11383	1.44889	ug/L	10/19/10	14:06	
RL ICP	Be	3.93912	3.96928	3.90896	1.08276	ug/L	10/19/10	14:06	
RL ICP	Ca	511.70175	513.22998	510.17352	0.42236	ug/L	10/19/10	14:06	
RL ICP	Cd	4.77388	4.50783	5.03993	7.88149	ug/L	10/19/10	14:06	
RL ICP	Co	10.49258	10.05579	10.92938	5.88723	ug/L	10/19/10	14:06	
RL ICP	Cr	10.11496	9.80984	10.42008	4.26605	ug/L	10/19/10	14:06	
RL ICP	Cu	21.25146	20.61572	21.88720	4.23064	ug/L	10/19/10	14:06	
RL ICP	Fe	41.10552	60.01996	22.19109	65.07409	ug/L	10/19/10	14:06	
RL ICP	2Fe	0.04110	0.06001	0.02219	65.06719	mg/L	10/19/10	14:06	
RL ICP	K	1079.11035	1095.43029	1062.79040	2.13878	ug/L	10/19/10	14:06	
RL ICP	Mg	514.69714	511.19192	518.20239	0.96311	ug/L	10/19/10	14:06	
RL ICP	2Mg	0.51454	0.51104	0.51805	0.96404	mg/L	10/19/10	14:06	
RL ICP	Mn	9.98939	9.93879	10.03999	0.71634	ug/L	10/19/10	14:06	
RL ICP	Mo	9.24098	7.31962	11.16235	29.40404	ug/L	10/19/10	14:06	
RL ICP	Na	893.37438	1058.78759	727.96124	26.18494	ug/L	10/19/10	14:06	
RL ICP	Ni	39.22321	40.38414	38.06229	4.18578	ug/L	10/19/10	14:06	
RL ICP	Pb	8.95706	8.72253	9.19159	3.70300	ug/L	10/19/10	14:06	
RL ICP	Se	21.53597	24.57313	18.49881	19.94425	ug/L	10/19/10	14:06	
RL ICP	Sb	11.21572	15.27243	7.15900	51.15198	ug/L	10/19/10	14:06	
RL ICP	Sn	51.96339	51.65431	52.27247	0.84116	ug/L	10/19/10	14:06	
RL ICP	Sr	10.71140	10.81041	10.61240	1.30716	ug/L	10/19/10	14:06	
RL ICP	Ti	9.87584	9.54568	10.20600	4.72782	ug/L	10/19/10	14:06	
RL ICP	Tl	17.82991	20.53255	15.12727	21.43651	ug/L	10/19/10	14:06	
RL ICP	V	8.77548	9.37288	8.17809	9.62731	ug/L	10/19/10	14:06	
RL ICP	Zn	22.35408	22.06987	22.63828	1.79799	ug/L	10/19/10	14:06	
RL ICP	2203/1	5.37190	12.43582	-1.69201	185.96551	ug/L	10/19/10	14:06	
RL ICP	2203/2	10.74695	6.86866	14.62524	51.03520	ug/L	10/19/10	14:06	
RL ICP	1960/1	25.25273	38.37370	12.13176	73.48058	ug/L	10/19/10	14:06	
RL ICP	1960/2	19.68037	17.68317	21.67757	14.35171	ug/L	10/19/10	14:06	
RL ICP	Y	978.81298	976.69793	980.92797	0.30558		10/19/10	14:06	
ICSA61	Ag	-0.51958	0.30197	-1.34114	223.61318	ug/L	10/19/10	14:11	
ICSA61	Al	506542.00000	505801.59375	507282.40625	0.20671	ug/L	10/19/10	14:11	
ICSA61	2Al	506.54339	505.78503	507.30175	0.21172	mg/L	10/19/10	14:11	
ICSA61	As	-0.21514	-1.60426	1.17396	913.10589	ug/L	10/19/10	14:11	
ICSA61	B	12.40215	11.55899	13.24532	9.61460	ug/L	10/19/10	14:11	
ICSA61	Ba	0.77012	0.78675	0.75349	3.05431	ug/L	10/19/10	14:11	
ICSA61	Be	0.03959	0.00946	0.06971	107.60741	ug/L	10/19/10	14:11	
ICSA61	Ca	552725.93750	551929.50000	553522.37500	0.20377	ug/L	10/19/10	14:11	
ICSA61	Cd	-0.29133	-0.25307	-0.32958	18.57066	ug/L	10/19/10	14:11	
ICSA61	Co	0.76802	1.10572	0.43033	62.18119	ug/L	10/19/10	14:11	
ICSA61	Cr	0.62014	1.05583	0.18445	99.35711	ug/L	10/19/10	14:11	
ICSA61	Cu	2.08382	2.85382	1.31382	52.25706	ug/L	10/19/10	14:11	
ICSA61	Fe	202249.51562	202028.42187	202470.60937	0.15459	ug/L	10/19/10	14:11	
ICSA61	2Fe	202.21110	201.98297	202.43923	0.15955	mg/L	10/19/10	14:11	
ICSA61	K	-2.94942	-3.08362	-2.81521	6.43489	ug/L	10/19/10	14:11	
ICSA61	Mg	535829.93750	535155.31250	536504.56250	0.17805	ug/L	10/19/10	14:11	
ICSA61	2Mg	535.61102	534.91802	536.30401	0.18297	mg/L	10/19/10	14:11	
ICSA61	Mn	-1.23910	-1.25026	-1.22795	1.27331	ug/L	10/19/10	14:11	
ICSA61	Mo	-0.36309	-0.41254	-0.31364	19.26077	ug/L	10/19/10	14:11	
ICSA61	Na	63.20767	-53.85655	180.27189	261.92044	ug/L	10/19/10	14:11	
ICSA61	Ni	0.42850	-0.28763	1.14463	236.35299	ug/L	10/19/10	14:11	
ICSA61	Pb	-3.24074	-0.46716	-6.01431	121.03475	ug/L	10/19/10	14:11	
ICSA61	Se	2.35865	-3.83201	8.54933	371.18313	ug/L	10/19/10	14:11	
ICSA61	Sb	-5.27944	-2.53339	-8.02550	73.55903	ug/L	10/19/10	14:11	
ICSA61	Sn	3.57545	3.27159	3.87932	12.01897	ug/L	10/19/10	14:11	
ICSA61	Sr	2.19973	2.19156	2.20789	0.52473	ug/L	10/19/10	14:11	
ICSA61	Ti	1.65082	1.81449	1.48715	14.02113	ug/L	10/19/10	14:11	
ICSA61	Tl	-2.63952	-3.03511	-2.24393	21.19503	ug/L	10/19/10	14:11	
ICSA61	V	-5.73827	-6.41330	-5.06325	16.63609	ug/L	10/19/10	14:11	
ICSA61	Zn	4.22457	4.73586	3.71327	17.11602	ug/L	10/19/10	14:11	
ICSA61	2203/1	29.43852	24.00752	34.86951	26.09025	ug/L	10/19/10	14:11	
ICSA61	2203/2	-19.55587	-12.68617	-26.42558	49.67934	ug/L	10/19/10	14:11	
ICSA61	1960/1	11.10412	5.56153	16.64671	70.58999	ug/L	10/19/10	14:11	
ICSA61	1960/2	-2.00752	-8.52175	4.50670	458.89968	ug/L	10/19/10	14:11	
ICSA61	Y	895.39196	895.18493	895.59893	0.03269		10/19/10	14:11	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB61	Ag	214.64831	213.71348	215.58314	0.61591	ug/L	10/19/10	14:16	
ICSAB61	Al	506405.43750	505867.65625	506943.25000	0.15018	ug/L	10/19/10	14:16	
ICSAB61	2Al	506.41827	505.87390	506.96261	0.15201	mg/L	10/19/10	14:16	
ICSAB61	As	102.74073	105.51747	99.96398	3.82216	ug/L	10/19/10	14:16	
ICSAB61	B	12.93327	15.27821	10.58833	25.64119	ug/L	10/19/10	14:16	
ICSAB61	Ba	535.44677	535.47436	535.41912	0.00729	ug/L	10/19/10	14:16	
ICSAB61	Be	538.01751	538.32165	537.71337	0.07994	ug/L	10/19/10	14:16	
ICSAB61	Ca	552694.43750	552318.93750	553069.93750	0.09608	ug/L	10/19/10	14:16	
ICSAB61	Cd	1031.88159	1032.17602	1031.58728	0.04034	ug/L	10/19/10	14:16	
ICSAB61	Co	500.77496	500.40997	501.13998	0.10307	ug/L	10/19/10	14:16	
ICSAB61	Cr	512.14276	513.14843	511.13705	0.27770	ug/L	10/19/10	14:16	
ICSAB61	Cu	541.27709	543.21173	539.34252	0.50545	ug/L	10/19/10	14:16	
ICSAB61	Fe	202256.93750	202222.50000	202291.39062	0.02408	ug/L	10/19/10	14:16	
ICSAB61	2Fe	202.22369	202.18710	202.26026	0.02558	mg/L	10/19/10	14:16	
ICSAB61	K	50.89904	42.68493	59.11315	22.82264	ug/L	10/19/10	14:16	
ICSAB61	Mg	535398.75000	534961.37500	535836.18750	0.11553	ug/L	10/19/10	14:16	
ICSAB61	2Mg	535.19201	534.74792	535.63610	0.11734	mg/L	10/19/10	14:16	
ICSAB61	Mn	512.93597	513.08477	512.78717	0.04102	ug/L	10/19/10	14:16	
ICSAB61	Mo	1029.63671	1029.69702	1029.57629	0.00829	ug/L	10/19/10	14:16	
ICSAB61	Na	162.15519	-28.74627	353.05667	166.49200	ug/L	10/19/10	14:16	
ICSAB61	Ni	994.87500	993.98632	995.76367	0.12632	ug/L	10/19/10	14:16	
ICSAB61	Pb	44.50765	44.65031	44.36500	0.45326	ug/L	10/19/10	14:16	
ICSAB61	Se	57.14279	58.54984	55.73575	3.48226	ug/L	10/19/10	14:16	
ICSAB61	Sb	625.56683	615.51861	635.61505	2.27159	ug/L	10/19/10	14:16	
ICSAB61	Sn	1017.20544	1016.43286	1017.97796	0.10740	ug/L	10/19/10	14:16	
ICSAB61	Sr	2.32468	2.45817	2.19119	8.12068	ug/L	10/19/10	14:16	
ICSAB61	Ti	2.07463	2.35366	1.79559	19.02075	ug/L	10/19/10	14:16	
ICSAB61	Tl	109.55505	116.32945	102.78066	8.74486	ug/L	10/19/10	14:16	
ICSAB61	V	509.53417	507.07907	511.98931	0.68142	ug/L	10/19/10	14:16	
ICSAB61	Zn	1037.85583	1037.13171	1038.57995	0.09867	ug/L	10/19/10	14:16	
ICSAB61	2203/1	77.04159	74.52002	79.56316	4.62871	ug/L	10/19/10	14:16	
ICSAB61	2203/2	28.26507	29.73784	26.79231	7.36881	ug/L	10/19/10	14:16	
ICSAB61	1960/1	70.35662	68.62145	72.09180	3.48781	ug/L	10/19/10	14:16	
ICSAB61	1960/2	50.54579	53.52159	47.56998	8.32595	ug/L	10/19/10	14:16	
ICSAB61	Y	894.28942	893.24993	895.32897	0.16438		10/19/10	14:16	
CCV	Ag	501.00115	500.64807	501.35421	0.09966	ug/L	10/19/10	14:23	
CCV	Al	5052.13574	5047.53027	5056.74169	0.12892	ug/L	10/19/10	14:23	
CCV	2Al	5.05181	5.04720	5.05641	0.12894	mg/L	10/19/10	14:23	
CCV	As	505.71954	506.98413	504.45498	0.35362	ug/L	10/19/10	14:23	
CCV	B	5026.39892	5012.28662	5040.51123	0.39705	ug/L	10/19/10	14:23	
CCV	Ba	5042.52636	5041.41455	5043.63769	0.03117	ug/L	10/19/10	14:23	
CCV	Be	504.69790	505.04235	504.35345	0.09651	ug/L	10/19/10	14:23	
CCV	Ca	4988.44140	4992.25830	4984.62500	0.10820	ug/L	10/19/10	14:23	
CCV	Cd	506.40524	506.69760	506.11288	0.08164	ug/L	10/19/10	14:23	
CCV	Co	505.61138	505.40209	505.82064	0.05853	ug/L	10/19/10	14:23	
CCV	Cr	5049.81835	5048.42968	5051.20751	0.03889	ug/L	10/19/10	14:23	
CCV	Cu	5009.28906	5009.14111	5009.43701	0.00417	ug/L	10/19/10	14:23	
CCV	Fe	5035.29785	5042.64355	5027.95166	0.20631	ug/L	10/19/10	14:23	
CCV	2Fe	5.03529	5.04263	5.02794	0.20630	mg/L	10/19/10	14:23	
CCV	K	10632.80078	10645.63867	10619.96289	0.17075	ug/L	10/19/10	14:23	
CCV	Mg	5089.01464	5092.20605	5085.82324	0.08868	ug/L	10/19/10	14:23	
CCV	2Mg	5.08899	5.09218	5.08581	0.08861	mg/L	10/19/10	14:23	
CCV	Mn	5035.54687	5034.86572	5036.22851	0.01913	ug/L	10/19/10	14:23	
CCV	Mo	503.70422	500.35842	507.04998	0.93937	ug/L	10/19/10	14:23	
CCV	Na	7888.33691	7921.97998	7854.69433	0.60314	ug/L	10/19/10	14:23	
CCV	Ni	2517.76708	2515.83496	2519.69921	0.10852	ug/L	10/19/10	14:23	
CCV	Pb	508.19830	509.07006	507.32656	0.24259	ug/L	10/19/10	14:23	
CCV	Se	5061.91503	5057.21630	5066.61328	0.13126	ug/L	10/19/10	14:23	
CCV	Sb	500.20092	498.91253	501.48931	0.36426	ug/L	10/19/10	14:23	
CCV	Sn	5045.73828	5053.75146	5037.72558	0.22458	ug/L	10/19/10	14:23	
CCV	Sr	2588.07617	2585.65429	2590.49780	0.13233	ug/L	10/19/10	14:23	
CCV	Ti	497.46649	496.76998	498.16299	0.19800	ug/L	10/19/10	14:23	
CCV	Tl	5070.81640	5070.38085	5071.25195	0.01214	ug/L	10/19/10	14:23	
CCV	V	4984.61718	4988.93652	4980.29736	0.12255	ug/L	10/19/10	14:23	
CCV	Zn	2529.23876	2531.32348	2527.15405	0.11656	ug/L	10/19/10	14:23	
CCV	2203/1	513.22778	523.68945	502.76605	2.88275	ug/L	10/19/10	14:23	
CCV	2203/2	505.68737	501.77133	509.60342	1.09516	ug/L	10/19/10	14:23	
CCV	1960/1	5051.61914	5070.56201	5032.67626	0.53031	ug/L	10/19/10	14:23	
CCV	1960/2	5067.05468	5050.55371	5083.55615	0.46054	ug/L	10/19/10	14:23	
CCV	Y	974.59197	974.57397	974.60998	0.00261		10/19/10	14:23	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.52664	-0.70860	-0.34467	48.86374	ug/L	10/19/10	14:28	
CCB	Al	4.04819	2.03400	6.06237	70.36445	ug/L	10/19/10	14:28	
CCB	2Al	0.00404	0.00203	0.00606	70.36425	mg/L	10/19/10	14:28	
CCB	As	-2.16377	-4.70738	0.37982	166.24642	ug/L	10/19/10	14:28	
CCB	B	11.52836	15.05171	8.00501	43.22183	ug/L	10/19/10	14:28	
CCB	Ba	0.05510	0.16108	-0.05086	271.95980	ug/L	10/19/10	14:28	
CCB	Be	-0.06994	-0.07101	-0.06886	2.16991	ug/L	10/19/10	14:28	
CCB	Ca	-2.66619	-2.26044	-3.07194	21.52192	ug/L	10/19/10	14:28	
CCB	Cd	-0.15270	-0.08786	-0.21755	60.05208	ug/L	10/19/10	14:28	
CCB	Co	-0.06485	0.01800	-0.14772	180.68572	ug/L	10/19/10	14:28	
CCB	Cr	-0.24453	0.08588	-0.57495	191.09295	ug/L	10/19/10	14:28	
CCB	Cu	-0.87900	-0.97431	-0.78370	15.33335	ug/L	10/19/10	14:28	
CCB	Fe	-8.32336	-5.75005	-10.89667	43.72277	ug/L	10/19/10	14:28	
CCB	2Fe	-0.00832	-0.00574	-0.01089	43.72224	mg/L	10/19/10	14:28	
CCB	K	-10.59343	-11.98243	-9.20442	18.54306	ug/L	10/19/10	14:28	
CCB	Mg	-8.88796	-11.99785	-5.77808	49.48303	ug/L	10/19/10	14:28	
CCB	2Mg	-0.00888	-0.01199	-0.00577	49.49745	mg/L	10/19/10	14:28	
CCB	Mn	0.06109	0.21531	-0.09313	357.00402	ug/L	10/19/10	14:28	
CCB	Mo	1.44408	2.08220	0.80595	62.49287	ug/L	10/19/10	14:28	
CCB	Na	-99.44941	-224.32173	25.42289	177.57380	ug/L	10/19/10	14:28	
CCB	Ni	-0.45277	-0.20731	-0.69823	76.66704	ug/L	10/19/10	14:28	
CCB	Pb	-0.82318	-1.33904	-0.30732	88.62438	ug/L	10/19/10	14:28	
CCB	Se	-2.26814	-2.35781	-2.17848	5.59045	ug/L	10/19/10	14:28	
CCB	Sb	-7.53427	-8.44559	-6.62295	17.10589	ug/L	10/19/10	14:28	
CCB	Sn	-2.64419	-1.98865	-3.29972	35.06048	ug/L	10/19/10	14:28	
CCB	Sr	0.01333	0.09361	-0.06694	851.46984	ug/L	10/19/10	14:28	
CCB	Ti	-0.31849	-0.26690	-0.37007	22.90662	ug/L	10/19/10	14:28	
CCB	Tl	-0.23814	0.57785	-1.05415	484.57180	ug/L	10/19/10	14:28	
CCB	V	-1.67062	-1.64097	-1.70027	2.51014	ug/L	10/19/10	14:28	
CCB	Zn	-0.23460	0.03411	-0.50332	161.98364	ug/L	10/19/10	14:28	
CCB	2203/1	-0.16857	-3.29733	2.96018	2624.76123	ug/L	10/19/10	14:28	
CCB	2203/2	-1.14999	-0.36137	-1.93862	96.98145	ug/L	10/19/10	14:28	
CCB	1960/1	1.85539	-2.70800	6.41879	347.83035	ug/L	10/19/10	14:28	
CCB	1960/2	-4.32683	-2.18297	-6.47068	70.07138	ug/L	10/19/10	14:28	
CCB	Y	973.42199	971.54998	975.29394	0.27196		10/19/10	14:28	



r = 0.999936

m = 0.00001147

b = 0.021463

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  1       10:44:27 19 Oct 10   HG

Hg    .0000   ppb      5292

*** Standard: 2 Rep: 1              Seq:  2       10:47:17 19 Oct 10   HG

Hg    .2000   ppb      18162

*** Standard: 3 Rep: 1              Seq:  3       10:50:07 19 Oct 10   HG

Hg    .4000   ppb      36507

*** Standard: 4 Rep: 1              Seq:  4       10:53:02 19 Oct 10   HG

Hg    1.000   ppb      86682

*** Standard: 5 Rep: 1              Seq:  5       10:56:11 19 Oct 10   HG

Hg    3.000   ppb      263201

*** Standard: 6 Rep: 1              Seq:  6       10:59:00 19 Oct 10   HG

Hg    5.000   ppb      438606

*** Check Standard: 3  Ck3ICV       Seq:  7       11:01:51 19 Oct 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg       L   78.81   3.153   4.000  ppb        .0000 %
CE 10/20/10 105.1%                  3
*** Check Standard: 4  Ck4ICB       Seq:  8       11:04:44 19 Oct 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           6.228   .0062   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  9       11:21:19 19 Oct 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           91.02   2.731   3.000  ppb        .0000 %
CE 10/20/10 109.2%                  2.5
*** Check Standard: 6  Ck6CCB       Seq:  10      11:24:15 19 Oct 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg       L  -6.247  -.0062   .1000  ppb        .0000 %

*** Sample ID: 0.20 RL              Seq:  11      11:27:07 19 Oct 10   HG

Hg    .2255   ppb       .0000 %   .2255

*** Sample ID: LB 183026            Seq:  12      11:30:07 19 Oct 10   HG
                            7470_L CE 183227
Hg   -.0117   ppb       .0000 %  -.0117

*** Sample ID: LCS 183227           Seq:  13      11:33:39 19 Oct 10   HG
                            7470_L CE 183227
Hg    2.532   ppb       .0000 %   2.532

*** Sample ID: LCSD183227           Seq:  14      11:36:32 19 Oct 10   HG
                            7470_L CE 183227
Hg    2.541   ppb       .0000 %   2.541
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 62077-8                Seq:  15     11:39:26 19 Oct 10   HG
                            7470_L CE 183227
Hg   -.0316   ppb       .0000 %  -.0316

*** Sample ID: 62077-41               Seq:  16     11:42:15 19 Oct 10   HG
                            7470_L CE 183227
Hg   -.0583   ppb       .0000 %  -.0583

*** Sample ID: 62136-1                Seq:  17     11:45:24 19 Oct 10   HG
                            7470_L CE 183227
Hg    .0024   ppb       .0000 %   .0024

*** Sample ID: 62171-1                Seq:  18     11:48:23 19 Oct 10   HG
                            7470_L CE 183227
Hg   -.0103   ppb       .0000 %  -.0103

*** Sample ID: 62112-1                Seq:  19     11:51:12 19 Oct 10   HG
                            7470_L CE 183227
Hg   -.0006   ppb       .0000 %  -.0006

*** Sample ID: 62112-1MS              Seq:  20     11:54:22 19 Oct 10   HG
                            7470_L CE 183227
Hg    1.040   ppb       .0000 %   1.040

*** Check Standard: 7  Ck7CCV        Seq:  21     11:57:57 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          91.52    2.746   3.000  ppb        .0000 %
CE 10/20/10 109.8            2.5
*** Check Standard: 6  Ck6CCB        Seq:  22     12:01:01 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          3.087    .0031   .1000  ppb        .0000 %

*** Sample ID: 62112-1MSD             Seq:  23     12:04:13 19 Oct 10   HG
                            7470_L CE 183227
Hg    1.015   ppb       .0000 %   1.015

*** Sample ID: LB 182842              Seq:  24     12:07:01 19 Oct 10   HG
                            7470_L CE 182913
Hg   -.0239   ppb       .0000 %  -.0239

*** Sample ID: LCS 182913             Seq:  25     12:10:31 19 Oct 10   HG
                            7470_L CE 182913
Hg    2.499   ppb       .0000 %   2.499

*** Sample ID: 37611-1                Seq:  26     12:13:22 19 Oct 10   HG
                            7470_L CE 182913
Hg   -.0494   ppb       .0000 %  -.0494

*** Sample ID: 37611-2                Seq:  27     12:16:11 19 Oct 10   HG
                            7470_L CE 182913
Hg    .0009   ppb       .0000 %   .0009

*** Sample ID: 37611-3                Seq:  28     12:19:13 19 Oct 10   HG
                            7470_L CE 182913
Hg   -.0012   ppb       .0000 %  -.0012
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 37611-4                Seq:  29     12:22:08 19 Oct 10   HG
                            7470_L CE 182913
Hg    .0021   ppb       .0000 %   .0021

*** Sample ID: 37611-5                Seq:  30     12:26:21 19 Oct 10   HG
                            7470_L CE 182913
Hg    .0043   ppb       .0000 %   .0043

*** Sample ID: 37611-6                Seq:  31     12:29:20 19 Oct 10   HG
                            7470_L CE 182913
Hg   -.0059   ppb       .0000 %  -.0059

*** Sample ID: 37611-7                Seq:  32     12:32:13 19 Oct 10   HG
                            7470_L CE 182913
Hg   -.0022   ppb       .0000 %  -.0022

*** Check Standard: 7  Ck7CCV         Seq:  33     12:35:03 19 Oct 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           92.26   2.768   3.000  ppb        .0000 %
CE 10/20/10 110.7%           2.5
*** Check Standard: 6  Ck6CCB         Seq:  34     12:38:08 19 Oct 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           4.543   .0045   .1000  ppb        .0000 %

*** Sample ID: 37611-8                Seq:  35     12:41:01 19 Oct 10   HG
                            7470_L CE 182913
Hg    .0161   ppb       .0000 %   .0161

*** Sample ID: 37611-9                Seq:  36     12:43:56 19 Oct 10   HG
                            7470_L CE 182913
Hg    .0029   ppb       .0000 %   .0029

*** Sample ID: 37611-10               Seq:  37     12:47:07 19 Oct 10   HG
                            7470_L CE 182913
Hg   -.0186   ppb       .0000 %  -.0186

*** Sample ID: 37611-10MS             Seq:  38     12:49:58 19 Oct 10   HG
                            7470_L CE 182913
Hg    1.082   ppb       .0000 %   1.082

*** Sample ID: 37611-10MS             Seq:  39     12:53:09 19 Oct 10   HG
                            7470_L CE 182913
Hg    1.142   ppb       .0000 %   1.142

*** Sample ID: MB 183248              Seq:  40     12:56:09 19 Oct 10   HG
                            7471 CE 183248
Hg    .1323   ppb       .0000 %   .1323

*** Sample ID: LCS 183248             Seq:  41     12:59:01 19 Oct 10   HG
                            7471 CE 183248
Hg    2.815   ppb       .0000 %   2.815

*** Sample ID: LCSD183248             Seq:  42     13:02:02 19 Oct 10   HG
                            7471 CE 183248
Hg    2.924   ppb       .0000 %   2.924
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 62025-1                Seq:  43     13:04:55 19 Oct 10   HG
                            7471 CE 183248
Hg    3.776   ppb       .0000 %   3.776

*** Sample ID: 62013-17               Seq:  44     13:07:46 19 Oct 10   HG
                            7471 CE 183248
Hg    .1992   ppb       .0000 %   .1992

*** Check Standard: 7  Ck7CCV         Seq:  45     13:10:42 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          95.29   2.859   3.000  ppb        .0000 %
CE 10/20/10 114.4 %         2.5
*** Check Standard: 6  Ck6CCB         Seq:  46     13:13:45 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -27.80  -.0278   .1000  ppb        .0000 %

*** Sample ID: 62013-17D              Seq:  47     13:16:35 19 Oct 10   HG
                            7471 CE 183248
Hg    .2241   ppb       .0000 %   .2241

*** Sample ID: 62013-17MS             Seq:  48     13:19:25 19 Oct 10   HG
                            7471 CE 183248
Hg    1.282   ppb       .0000 %   1.282

*** Sample ID: 62013-29               Seq:  49     13:23:05 19 Oct 10   HG
                            7471 CE 183248
Hg    .2083   ppb       .0000 %   .2083

*** Sample ID: 62013-30               Seq:  50     13:25:55 19 Oct 10   HG
                            7471 CE 183248
Hg    .2875   ppb       .0000 %   .2875

*** Sample ID: 62013-31               Seq:  51     13:28:49 19 Oct 10   HG
                            7471 CE 183248
Hg    .2340   ppb       .0000 %   .2340

*** Sample ID: 62013-32               Seq:  52     13:31:38 19 Oct 10   HG
                            7471 CE 183248
Hg    .2489   ppb       .0000 %   .2489

*** Sample ID: 62013-33               Seq:  53     13:34:30 19 Oct 10   HG
                            7471 CE 183248
Hg    .2534   ppb       .0000 %   .2534

*** Sample ID: 61920-1                Seq:  54     13:37:35 19 Oct 10   HG
                            7471 CE 183248
Hg    6.037   ppb       .0000 %   6.037

*** Sample ID: 61920-2                Seq:  55     13:40:26 19 Oct 10   HG
                            7471 CE 183248
Hg    1.167   ppb       .0000 %   1.167

*** Sample ID: 61920-3                Seq:  56     13:43:20 19 Oct 10   HG
                            7471 CE 183248
Hg    2.590   ppb       .0000 %   2.590
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 7  Ck7CCV        Seq:  57      13:46:14 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          ~~93.44~~  2.803   ~~3.000~~  ppb        .0000 %
CE 10/20/10 112.1%          2.5
*** Check Standard: 6  Ck6CCB        Seq:  58      13:49:05 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          5.472    .0055   .1000  ppb        .0000 %

*** Sample ID: 61920-4               Seq:  59      13:51:58 19 Oct 10   HG
                            7471 CE 183248
Hg    .3448   ppb       .0000 %   .3448

*** Sample ID: 61963-5               Seq:  60      13:54:58 19 Oct 10   HG
                            7471 CE 183248
Hg    .6289   ppb       .0000 %   .6289

*** Sample ID: 61963-6               Seq:  61      13:57:59 19 Oct 10   HG
                            7471 CE 183248
Hg    .5048   ppb       .0000 %   .5048

*** Sample ID: 61963-7               Seq:  62      14:00:51 19 Oct 10   HG
                            7471 CE 183248
Hg    .5659   ppb       .0000 %   .5659

*** Sample ID: 61963-8               Seq:  63      14:03:41 19 Oct 10   HG
                            7471 CE 183248
Hg    1.465   ppb       .0000 %   1.465

*** Sample ID: 61963-12              Seq:  64      14:06:45 19 Oct 10   HG
                            7471 CE 183248
Hg    .2411   ppb       .0000 %   .2411

*** Sample ID: 61963-18              Seq:  65      14:10:07 19 Oct 10   HG
                            7471 CE 183248
Hg    .2701   ppb       .0000 %   .2701

*** Sample ID: 61963-19              Seq:  66      14:13:02 19 Oct 10   HG
                            7471 CE 183248
Hg    .1840   ppb       .0000 %   .1840

*** Sample ID: 61963-20              Seq:  67      14:16:12 19 Oct 10   HG
                            7471 CE 183248
Hg    .2745   ppb       .0000 %   .2745

*** Sample ID: MB 183236             Seq:  68      14:19:05 19 Oct 10   HG
                            7471 CE 183236
Hg    .0200   ppb       .0000 %   .0200

*** Check Standard: 7  Ck7CCV        Seq:  69      14:22:16 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          ~~95.28~~  2.859   ~~3.000~~  ppb        .0000 %
CE 10/20/10 114.4%          2.5
*** Check Standard: 6  Ck6CCB        Seq:  70      14:25:11 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -35.15   -.0352   .1000  ppb        .0000 %
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: LCS 183236              Seq:  71     14:28:32 19 Oct 10   HG
                              7471 CE 183236
Hg    2.666   ppb       .0000 %   2.666

*** Sample ID: 62013-5                 Seq:  72     14:31:23 19 Oct 10   HG
                              7471 CE 183236
Hg   -.0313   ppb       .0000 %  -.0313

*** Sample ID: 62013-6                 Seq:  73     14:34:36 19 Oct 10   HG
                              7471 CE 183236
Hg    .0041   ppb       .0000 %   .0041

*** Sample ID: 62013-7                 Seq:  74     14:37:27 19 Oct 10   HG
                              7471 CE 183236
Hg    5.138   ppb       .0000 %   5.138

*** Sample ID: 62013-8                 Seq:  75     14:40:47 19 Oct 10   HG
                              7471 CE 183236
Hg   -.0001   ppb       .0000 %  -.0001

*** Sample ID: 62013-9                 Seq:  76     14:43:41 19 Oct 10   HG
                              7471 CE 183236
Hg    8.521   ppb       .0000 %   8.521

*** Sample ID: 62013-10                Seq:  77     14:46:53 19 Oct 10   HG
                              7471 CE 183236
Hg   -.0353   ppb       .0000 %  -.0353

*** Sample ID: 62013-11                Seq:  78     14:49:58 19 Oct 10   HG
                              7471 CE 183236
Hg   -.0349   ppb       .0000 %  -.0349

*** Sample ID: 62013-12                Seq:  79     14:52:51 19 Oct 10   HG
                              7471 CE 183236
Hg   -.0070   ppb       .0000 %  -.0070

*** Sample ID: 62013-12D               Seq:  80     14:56:13 19 Oct 10   HG
                              7471 CE 183236
Hg   -.0198   ppb       .0000 %  -.0198

*** Check Standard: 7  Ck7CCV          Seq:  81     14:59:29 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          95.05   2.851   3.000  ppb        .0000 %
CE 10/20/10  114.0 %        2.5
*** Check Standard: 6  Ck6CCB          Seq:  82     15:02:21 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          25.85    .0258   .1000  ppb        .0000 %

*** Sample ID: 62013-12S               Seq:  83     15:05:23 19 Oct 10   HG
                              7471 CE 183236
Hg    1.025   ppb       .0000 %   1.025

*** Sample ID: 62013-14                Seq:  84     15:08:49 19 Oct 10   HG
                              7471 CE 183236
Hg   -.0476   ppb       .0000 %  -.0476
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 62013-16                Seq:  85     15:12:14 19 Oct 10   HG
                              7471 CE 183236
Hg    .3651   ppb        .0000 %   .3651

*** Sample ID: 62013-19                Seq:  86     15:15:06 19 Oct 10   HG
                              7471 CE 183236
Hg    .0587   ppb        .0000 %   .0587

*** Sample ID: 62013-20                Seq:  87     15:18:09 19 Oct 10   HG
                              7471 CE 183236
Hg    .0767   ppb        .0000 %   .0767

*** Sample ID: 62013-21                Seq:  88     15:21:16 19 Oct 10   HG
                              7471 CE 183236
Hg    .1504   ppb        .0000 %   .1504

*** Sample ID: 62013-22                Seq:  89     15:24:18 19 Oct 10   HG
                              7471 CE 183236
Hg    .1167   ppb        .0000 %   .1167

*** Sample ID: 62013-23                Seq:  90     15:27:23 19 Oct 10   HG
                              7471 CE 183236
Hg    .0899   ppb        .0000 %   .0899

*** Sample ID: 62013-24                Seq:  91     15:30:14 19 Oct 10   HG
                              7471 CE 183236
Hg    .1585   ppb        .0000 %   .1585

*** Sample ID: 62013-25                Seq:  92     15:33:07 19 Oct 10   HG
                              7471 CE 183236
Hg    .1178   ppb        .0000 %   .1178

*** Check Standard: 7  Ck7CCV          Seq:  93     15:36:11 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          96.20   2.886   3.000  ppb        .0000 %
CE 10/20/10  115.4%  2.5
*** Check Standard: 6  Ck6CCB          Seq:  94     15:39:31 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -5.169  -.0052   .1000  ppb        .0000 %

*** Sample ID: 62013-26                Seq:  95     15:43:26 19 Oct 10   HG
                              7471 CE 183236
Hg    .1946   ppb        .0000 %   .1946

*** Sample ID: 62013-27                Seq:  96     15:46:29 19 Oct 10   HG
                              7471 CE 183236
Hg    .1562   ppb        .0000 %   .1562

*** Sample ID: 62013-28                Seq:  97     15:50:23 19 Oct 10   HG
                              7471 CE 183236
Hg    .1398   ppb        .0000 %   .1398

*** Check Standard: 7  Ck7CCV          Seq:  98     15:53:26 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          97.09   2.913   3.000  ppb        .0000 %
```

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 6 Ck6CCB Seq: 99 15:56:29 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 40.95 .0409 .1000 ppb .0000 %

*** Check Standard: 7 Ck7CCV Seq: 100 16:06:05 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg ~~97.98~~ 2.939 ~~3.000~~ ppb .0000 %
CE 10/20/10 117.6% 2.5

*** Check Standard: 6 Ck6CCB Seq: 101 16:08:57 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg L -29.89 -.0299 .1000 ppb .0000 %

*** Sample ID: MB 183248 Seq: 102 16:11:56 19 Oct 10 HG
7471 CE 183248
Hg .1805 ppb .0000 % .1805

*** Sample ID: 62013-7X5 Seq: 103 16:14:48 19 Oct 10 HG
7471 CE 183236
Hg 1.045 ppb .0000 % 1.045

*** Sample ID: 62013-9X5 Seq: 104 16:17:38 19 Oct 10 HG
7471 CE 183236
Hg 1.748 ppb .0000 % 1.748

*** Sample ID: 61920-1X5 Seq: 105 16:20:36 19 Oct 10 HG
7471 CE 183248
Hg 1.222 ppb .0000 % 1.222

*** Sample ID: 61887-4 Seq: 106 16:23:26 19 Oct 10 HG
7471 CE 182949
Hg .3674 ppb .0000 % .3674

*** Sample ID: 61887-4D Seq: 107 16:26:20 19 Oct 10 HG
7471 CE 182949
Hg .4997 ppb .0000 % .4997

*** Sample ID: 61887-4MS Seq: 108 16:29:11 19 Oct 10 HG
7471 CE 182949
Hg 1.785 ppb .0000 % 1.785

*** Sample ID: 61887-5 Seq: 109 16:32:04 19 Oct 10 HG
7471 CE 182949
Hg 3.188 ppb .0000 % 3.188

*** Check Standard: 7 Ck7CCV Seq: 110 16:34:54 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg ~~94.87~~ 2.846 ~~3.000~~ ppb .0000 %
CE 10/20/10 113.8% 2.5

*** Check Standard: 6 Ck6CCB Seq: 111 16:37:57 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 23.54 .0235 .1000 ppb .0000 %

*** Check Standard: 7 Ck7CCV Seq: 112 17:10:26 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg ~~94.41~~ 2.832 ~~3.000~~ ppb .0000 %
CE 10/20/10 113.3% 2.5

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 6  Ck6CCB       Seq:  113     17:14:34 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -11.74   -.0117   .1000  ppb        .0000 %

*** Sample ID: MB 183262            Seq:  114     17:17:27 19 Oct 10   HG
                            7471 CE 183262
Hg    .2942   ppb       .0000 %   .2942

*** Sample ID: LCS 183262           Seq:  115     17:20:27 19 Oct 10   HG
                            7471 CE 183262
Hg    2.527   ppb       .0000 %   2.527

*** Sample ID: LCSD183262           Seq:  116     17:24:16 19 Oct 10   HG
                            7471 CE 183262
Hg    2.583   ppb       .0000 %   2.583

*** Sample ID: 62145-1              Seq:  117     17:27:09 19 Oct 10   HG
                            7471 CE 183262
Hg    4.886   ppb       .0000 %   4.886

*** Sample ID: 62145-1MS            Seq:  118     17:30:20 19 Oct 10   HG
                            7471 CE 183262
Hg    6.513   ppb       .0000 %   6.513

*** Sample ID: 62145-1MSD           Seq:  119     17:33:09 19 Oct 10   HG
                            7471 CE 183262
Hg    7.705   ppb       .0000 %   7.705

*** Sample ID: 62237-1              Seq:  120     17:36:07 19 Oct 10   HG
                            7471 CE 183262
Hg    .0617   ppb       .0000 %   .0617

*** Sample ID: 62237-2              Seq:  121     17:38:56 19 Oct 10   HG
                            7471 CE 183262
Hg    .1157   ppb       .0000 %   .1157

*** Sample ID: 62237-3              Seq:  122     17:41:46 19 Oct 10   HG
                            7471 CE 183262
Hg    .0742   ppb       .0000 %   .0742

*** Sample ID: 62237-4              Seq:  123     17:44:35 19 Oct 10   HG
                            7471 CE 183262
Hg    .1045   ppb       .0000 %   .1045

*** Check Standard: 7  Ck7CCV       Seq:  124     17:47:40 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          ~~95.20~~   2.856   ~~3.000~~  ppb        .0000 %
CE 10/20/10  114.2%          2.5
*** Check Standard: 6  Ck6CCB       Seq:  125     17:50:45 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          13.38    .0134   .1000  ppb        .0000 %

*** Sample ID: 62237-5              Seq:  126     17:54:34 19 Oct 10   HG
                            7471 CE 183262
Hg    .0879   ppb       .0000 %   .0879
```

Line Conc. Units SD/RSD 1 2 3 4 5

*** Sample ID: 62237-6 Seq: 127 17:58:07 19 Oct 10 HG
7471 CE 183262
Hg .0626 ppb .0000 % .0626

*** Sample ID: 62237-7 Seq: 128 18:01:01 19 Oct 10 HG
7471 CE 183262
Hg .1008 ppb .0000 % .1008

*** Sample ID: 62237-8 Seq: 129 18:03:53 19 Oct 10 HG
7471 CE 183262
Hg .0744 ppb .0000 % .0744

*** Sample ID: 61963-21 Seq: 130 18:06:43 19 Oct 10 HG
7471 CE 183262
Hg 1.766 ppb .0000 % 1.766

*** Sample ID: 61963-22 Seq: 131 18:09:55 19 Oct 10 HG
7471 CE 183262
Hg .0848 ppb .0000 % .0848

*** Sample ID: 61963-29 Seq: 132 18:12:46 19 Oct 10 HG
7471 CE 183262
Hg .2042 ppb .0000 % .2042

*** Sample ID: 61963-30 Seq: 133 18:15:48 19 Oct 10 HG
7471 CE 183262
Hg .1332 ppb .0000 % .1332

*** Sample ID: 61963-37 Seq: 134 18:18:41 19 Oct 10 HG
7471 CE 183262
Hg .1263 ppb .0000 % .1263

*** Sample ID: 61963-38 Seq: 135 18:22:05 19 Oct 10 HG
7471 CE 183262
Hg .4068 ppb .0000 % .4068

*** Check Standard: 7 Ck7CCV Seq: 136 18:25:41 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg ~~93.14~~ 2.794 ~~3.000~~ ppb .0000 %
CE 10/20/10 111.8 % 2.5

*** Check Standard: 6 Ck6CCB Seq: 137 18:28:52 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 12.21 .0122 .1000 ppb .0000 %

*** Sample ID: 61963-39 Seq: 138 18:32:03 19 Oct 10 HG
7471 CE 183262
Hg .1129 ppb .0000 % .1129

*** Sample ID: 62072-1 Seq: 139 18:35:24 19 Oct 10 HG
7471 CE 183262
Hg .0222 ppb .0000 % .0222

*** Sample ID: 30404-1 Seq: 140 18:38:55 19 Oct 10 HG
7471 CE 183262
Hg .8352 ppb .0000 % .8352

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 62016-1                Seq:  141    18:42:06 19 Oct 10   HG
                            7471 CE 183262
Hg    .2735   ppb       .0000 %   .2735

*** Sample ID: 62190-1                Seq:  142    18:44:56 19 Oct 10   HG
                            7471 CE 183262
Hg    2.967   ppb       .0000 %   2.967

*** Check Standard: 7  Ck7CCV         Seq:  143    18:47:49 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          ~~94.11~~  2.823  ~~3.000~~ ppb        .0000 %
CE 10/20/10  112.9 %        2.5
*** Check Standard: 6  Ck6CCB         Seq:  144    18:50:44 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -29.59   -.0296   .1000 ppb        .0000 %

*** Check Standard: 7  Ck7CCV         Seq:  145    08:21:10 20 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          ~~89.49~~  2.685  ~~3.000~~ ppb        .0000 %
CE 10/20/10  107.4 %        2.5
*** Check Standard: 6  Ck6CCB         Seq:  146    08:25:17 20 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          3.981    .0040   .1000 ppb        .0000 %

*** Sample ID: MB 183262              Seq:  147    08:28:08 20 Oct 10   HG
                            7471 CE 183262
Hg    .2660   ppb       .0000 %   .2660

*** Sample ID: 62145-1X5              Seq:  148    08:30:58 20 Oct 10   HG
                            7471 CE 183262 X5
Hg    1.306   ppb       .0000 %   1.306

*** Sample ID: 62145-1MS              Seq:  149    08:33:58 20 Oct 10   HG
                            7471 CE 183262 X5
Hg    1.675   ppb       .0000 %   1.675

*** Sample ID: 62145-1MSD             Seq:  150    08:36:58 20 Oct 10   HG
                            7471 CE 183262 X5
Hg    1.899   ppb       .0000 %   1.899

*** Check Standard: 7  Ck7CCV         Seq:  151    08:40:18 20 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          ~~90.11~~  2.703  ~~3.000~~ ppb        .0000 %
CE 10/20/10  108.1 %        2.5
*** Check Standard: 6  Ck6CCB         Seq:  152    08:43:21 20 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          39.64    .0396   .1000 ppb        .0000 %
```

Metals Worksheet

Batch Number: 680-182934
Method: 7470A
Analyst: Vasquez, Juana

Date Open: Oct 14 2010 12:16PM
Batch End: Oct 14 2010 2:26PM

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Hg_Int_Cal_00049
MB~680-182934/1		7470A, 7470A			50 mL	50 mL	
LCS~680-182934/2		7470A, 7470A			50 mL	50 mL	0.25 mL
640-30408-A-4			T	<2.0	50 mL	50 mL	
680-62064-E-1			D	<2.0	50 mL	50 mL	
680-62064-E-2			D	<2.0	50 mL	50 mL	
680-62064-E-4			D	<2.0	50 mL	50 mL	
680-62064-E-3			D	<2.0	50 mL	50 mL	
680-62103-G-1			T	<2.0	50 mL	50 mL	
680-62145-C-2	WC-B82-GP-01	7470A, 7470A	T	<2.0	50 mL	50 mL	
680-62145-C-2~MS	WC-B82-GP-01	7470A, 7470A	T	<2.0	50 mL	50 mL	0.10 mL
680-62145-C-2~MSD	WC-B82-GP-01	7470A, 7470A	T	<2.0	50 mL	50 mL	0.10 mL

Oven, Bath or Block Temperature 1:	90 % Celsius
Digestion Tube/Cup Lot #:	010-501-563
Hood ID or number:	HF-6
Hot Block ID number:	HF-6
Lot # of Nitric Acid:	1988772
Lot # of hydrochloric acid:	1988769
Sulfuric Acid Lot Number:	1975456
Potassium Permanganate Lot Number:	1959851
Potassium Persulfate Lot Number:	1988757
Hydroxylamine Sulfate Lot Number:	1914492
Stannous Chloride Lot Number:	1994810
Hydroxylamine Hydrochloride Lot:	N/A
NaCL Lot #:	1988760
SOP Number:	ME28

Metals Worksheet

Batch Number: 680-182934
Method: 7470A
Analyst: Vasquez, Juana

Date Open: Oct 14 2010 12:16PM
Batch End: Oct 14 2010 2:26PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-182934/1		7470A, 7470A		
LCS~680-182934/2		7470A, 7470A		
640-30408-A-4			T	
680-62064-E-1			D	
680-62064-E-2			D	
680-62064-E-4			D	
680-62064-E-3			D	
680-62103-G-1			T	
680-62145-C-2	WC-B82-GP-01	7470A, 7470A	T	
680-62145-C-2~MS	WC-B82-GP-01	7470A, 7470A	T	
680-62145-C-2~MSD	WC-B82-GP-01	7470A, 7470A	T	

Batch Comment: N/A

Metals Worksheet

Batch Number: 680-183043
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Oct 15 2010 9:47AM
Batch End: Oct 15 2010 1:25PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	P_Spike1_00053	P_SPIKEII_00024	P_TEFLONCH_00007
680-62145-B-1	WC-B82-GTM-05	3050B, 6010C	T	1.03 g	100 mL			
680-62145-B-1~MS	WC-B82-GTM-05	3050B, 6010C	T	1.03 g	100 mL	1.0 mL	1.0 mL	
680-62145-B-1~MSD	WC-B82-GTM-05	3050B, 6010C	T	1.03 g	100 mL	1.0 mL	1.0 mL	
680-62146-A-1			T	1.05 g	100 mL			
680-62146-A-2			T	1.08 g	100 mL			
680-61966-A-1			T	1.01 g	100 mL			
680-62095-A-1			T	1.09 g	100 mL			
680-62025-A-2-A			P	1.13 g	50 mL			
680-62115-A-1			T	1.00 g	100 mL			
680-62115-A-2			T	1.04 g	100 mL			
680-62115-A-3			T	1.03 g	100 mL			
680-62115-A-4			T	1.04 g	100 mL			
MB~680-183043/13		3050B, 6010C		1.00 g	100 mL			1.00 g
MB~680-183043/14				1.00 g	50 mL			1.00 g
LCS~680-183043/15		3050B, 6010C		1.00 g	100 mL	1.0 mL	1.0 mL	1.00 g

Nominal Amount Used:	1.0 g
Digestion Tube/Cup Lot #:	1005282
Blank Soil Lot Number:	P-TEFONCH-00007
Balance ID:	5
Hood ID or number:	FH-8
Hot Block ID number:	9
Lot # of hydrochloric acid:	H45A18
Lot # of Nitric Acid:	311045
Logbook ID for diluted Nitric:	N/A
Hydrogen peroxide lot number:	50153024
ID number of the thermometer:	MESD1
Temperature:	94 Degrees C
Acid used for pH adjustment:	N/A
Pipette ID:	PREP-20
Analyst:	HM
First Start time:	N/A
First End time:	N/A
Person's name who witnessed reagent drop:	N/A
Oven, Bath or Block Temperature 1:	94 Degrees C
Oven, Bath or Block Temperature 2:	N/A Degrees C

Metals Worksheet

Batch Number: 680-183043
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Oct 15 2010 9:47AM
Batch End: Oct 15 2010 1:25PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
680-62145-B-1	WC-B82-GTM-05	3050B, 6010C	T	
680-62145-B-1~MS	WC-B82-GTM-05	3050B, 6010C	T	
680-62145-B-1~MSD	WC-B82-GTM-05	3050B, 6010C	T	
680-62146-A-1			T	
680-62146-A-2			T	
680-61966-A-1			T	
680-62095-A-1			T	
680-62025-A-2-A			P	
680-62115-A-1			T	
680-62115-A-2			T	
680-62115-A-3			T	
680-62115-A-4			T	
MB~680-183043/13		3050B, 6010C		
MB~680-183043/14				
LCS~680-183043/15		3050B, 6010C		

Batch Comment: N/A

Metals Worksheet

Batch Number: 680-183096
Method: 3010A
Analyst: Alpuche, Rosalie

Date Open: Oct 15 2010 1:40PM
Batch End: Oct 18 2010 10:24AM

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	P_Spike1_00053	P_SPIKEII_00024
680-61963-C-36			T	<2	50 mL	50 mL		
680-61963-A-40			T	<2	50 mL	50 mL		
680-61963-A-41			T	<2	50 mL	50 mL		
680-61963-A-42			T	<2	50 mL	50 mL		
680-61963-A-43			T	<2	50 mL	50 mL		
680-61943-C-1			T	<2	50 mL	50 mL		
680-62060-B-1		3010A, 6010C	T	<2	50 mL	50 mL		
680-62060-B-2			T	<2	50 mL	50 mL		
680-62145-C-2	WC-B82-GP-01	3010A, 6010C	T	<2	50 mL	50 mL		
680-61984-A-1			T	<2	50 mL	50 mL		
680-61984-A-2			T	<2	50 mL	50 mL		
680-61984-A-3			T	<2	50 mL	50 mL		
680-61984-A-4			T	<2	50 mL	50 mL		
680-62105-E-1			T	<2	50 mL	50 mL		
680-62105-E-2			T	<2	50 mL	50 mL		
680-62105-E-3			T	<2	50 mL	50 mL		
680-62105-E-4			T	<2	50 mL	50 mL		
680-62105-F-5			T	<2	50 mL	50 mL		
680-62103-G-1			T	<2	50 mL	50 mL		
680-62048-A-1			T		5 mL	50 mL		
MB~680-183096/21		3010A, 6010C		<2	50 mL	50 mL		
LCS~680-183096/22		3010A, 6010C		<2	50 mL	50 mL	0.50 mL	0.50 mL
LCSD~680-183096/23		3010A, 6010C		<2	50 mL	50 mL	0.50 mL	0.50 mL
680-62103-G-1~MS		3010A, 6010C	T	<2	50 mL	50 mL	0.50 mL	0.50 mL
680-62103-G-1~MSD		3010A, 6010C	T	<2	50 mL	50 mL	0.50 mL	0.50 mL

Lot # of hydrochloric acid:	J32030	First End time:	N/A
Lot # of Nitric Acid:	J11045		
Vendor of Reagent used:	N/A		
Digestion Tube/Cup Lot #:	1007292		
Hot Block ID number:	2		
ID number of the thermometer:	MELP1		
Oven, Bath or Block Temperature 1:	96 Degrees C		
Oven, Bath or Block Temperature 2:	N/A Degrees C		
Pipette ID:	# 18		
First Start time:	N/A		

Metals Worksheet

Batch Number: 680-183096
Method: 3010A
Analyst: Alpuche, Rosalie

Date Open: Oct 15 2010 1:40PM
Batch End: Oct 18 2010 10:24AM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
680-61963-C-36			T	
680-61963-A-40			T	
680-61963-A-41			T	
680-61963-A-42			T	
680-61963-A-43			T	
680-61943-C-1			T	
680-62060-B-1		3010A, 6010C	T	
680-62060-B-2			T	
680-62145-C-2	WC-B82-GP-01	3010A, 6010C	T	
680-61984-A-1			T	
680-61984-A-2			T	
680-61984-A-3			T	
680-61984-A-4			T	
680-62105-E-1			T	
680-62105-E-2			T	
680-62105-E-3			T	
680-62105-E-4			T	
680-62105-F-5			T	
680-62103-G-1			T	
680-62048-A-1			T	1/10 DILUTION 50% Black liquor
MB~680-183096/21		3010A, 6010C		
LCS~680-183096/22		3010A, 6010C		
LCSD~680-183096/23		3010A, 6010C		
680-62103-G-1~MS		3010A, 6010C	T	
680-62103-G-1~MSD		3010A, 6010C	T	

Metals Worksheet

Batch Number: 680-183262
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Oct 19 2010 10:10AM
Batch End: Oct 19 2010 10:40AM

Lab ID	Client ID	Method Chain	Basis	Target Amount of Sample to Use	Initial weight/volume of sample	Final weight/volume of sample	Hg_Int_Cal_00050	HG_RINSE SOL_00001
MB~680-183262/1		7471B, 7471B			0.54 g	50 mL		
LCS~680-183262/2		7471B, 7471B			0.55 g	50 mL	0.25 mL	
680-61963-B-21			T	2.9472 g	0.52 g	50 mL		
680-61963-B-22			T	0.7293 g	0.55 g	50 mL		
680-61963-A-29			T	0.9982 g	0.54 g	50 mL		
680-61963-A-30			T	1.5819 g	0.52 g	50 mL		
680-61963-B-37			T	0.967 g	0.55 g	50 mL		
680-61963-B-38			T	0.8626 g	0.54 g	50 mL		
680-61963-B-39			T	0.867 g	0.54 g	50 mL		
680-62145-B-1	WC-B82-GTM-05	7471B, 7471B	T	0.6121 g	0.51 g	50 mL		
680-62145-B-1~MS	WC-B82-GTM-05	7471B, 7471B	T		0.55 g	50 mL	0.1 mL	
680-62145-B-1~MSD	WC-B82-GTM-05	7471B, 7471B	T		0.53 g	50 mL	0.1 mL	
680-62237-E-1			T	0.5794 g	0.54 g	50 mL		
680-62237-E-2			T	0.5802 g	0.52 g	50 mL		
680-62237-E-3			T	0.5773 g	0.55 g	50 mL		
680-62237-E-4			T	0.594 g	0.55 g	50 mL		
680-62237-E-5			T	0.598 g	0.54 g	50 mL		
680-62237-E-6			T	0.5941 g	0.50 g	50 mL		
680-62237-D-7			T	0.5804 g	0.55 g	50 mL		
680-62237-E-8			T	0.5874 g	0.52 g	50 mL		
680-62072-C-1			T		0.50 g	50 mL		
640-30404-B-4			T		0.53 g	50 mL		
680-62016-B-1			T	0.5047 g	0.51 g	50 mL		
680-62190-A-1			T		0.51 g	50 mL		
LCSD~680-183262/25		7471B, 7471B				50 mL		0.25 mL

Acid used for pH adjustment:	N/A	Lot # of hydrochloric acid:	2016086
Nominal Amount Used:	0.5 g	Potassium Permanganate Lot Number:	2011320
SOP Number:	ME 28	Sulfuric Acid Lot Number:	1975456
Digestion Tube/Cup Lot #:	010-501-263	Hydroxylamine Sulfate Lot Number:	1914492
Hot Block ID number:	HF-6	Potassium Persulfate Lot Number:	2011319
Hood ID or number:	HF-6	Stannous Chloride Lot Number:	2009725
Balance ID:	7	Oven, Bath or Block Temperature 1:	90 %
Blank Soil Lot Number:	P_SOIL 0001	NaCL Lot #:	1988760
Lot # of Nitric Acid:	2016081	Aqua Regia Lot Number:	1988758
ID number of the thermometer:	MEWB2B	Hydroxylamine Hydrochloride Lot:	N/A

Metals Worksheet

Batch Number: 680-183262
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Oct 19 2010 10:10AM
Batch End: Oct 19 2010 10:40AM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-183262/1		7471B, 7471B		
LCS~680-183262/2		7471B, 7471B		
680-61963-B-21			T	
680-61963-B-22			T	
680-61963-A-29			T	
680-61963-A-30			T	
680-61963-B-37			T	
680-61963-B-38			T	
680-61963-B-39			T	
680-62145-B-1	WC-B82-GTM-05	7471B, 7471B	T	
680-62145-B-1~MS	WC-B82-GTM-05	7471B, 7471B	T	
680-62145-B-1~MSD	WC-B82-GTM-05	7471B, 7471B	T	
680-62237-E-1			T	
680-62237-E-2			T	
680-62237-E-3			T	
680-62237-E-4			T	
680-62237-E-5			T	
680-62237-E-6			T	
680-62237-D-7			T	
680-62237-E-8			T	
680-62072-C-1			T	
640-30404-B-4			T	
680-62016-B-1			T	
680-62190-A-1			T	
LCSD~680-183262/25		7471B, 7471B		

Batch Comment: N/A

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG No.: 68000

Project: 106-2282 NAS SOWEY

Client Sample ID	Lab Sample ID
WC-B82-GTM-05	680-62145-1
WC-B82-GP-01	680-62145-2

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WC-B82-GP-01
Lab Sample ID: 680-62145-2
Lab Name: TestAmerica Savannah
Job No.: 680-62145-1
SDG ID.: 68000
Matrix: Water
Date Sampled: 10/08/2010 13:45
Reporting Basis: WET
Date Received: 10/13/2010 10:40

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	3.1	1.0	0.50	mg/L			1	9060A
7440-44-0	Total Organic Carbon - Quad	3.1	1.0	0.50	mg/L			1	9060A
	TOC Result 1	3.1	1.0	0.50	mg/L			1	9060A
	TOC Result 2	3.1	1.0	0.50	mg/L			1	9060A
	TOC Result 3	3.0	1.0	0.50	mg/L			1	9060A
	TOC Result 4	3.0	1.0	0.50	mg/L			1	9060A

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 183618	Date: 10/20/2010 11:52						
9060A	MB 680-183618/1	Total Organic Carbon	0.50	U	mg/L	1.0	1
9060A	MB 680-183618/1	Total Organic Carbon - Quad	0.50	U	mg/L	1.0	1
9060A	MB 680-183618/1	TOC Result 1	0.50	U	mg/L	1.0	1
9060A	MB 680-183618/1	TOC Result 2	0.50	U	mg/L	1.0	1
9060A	MB 680-183618/1	TOC Result 3	0.50	U	mg/L	1.0	1
9060A	MB 680-183618/1	TOC Result 4	0.50	U	mg/L	1.0	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 183618 Date: 10/20/2010 17:42											
9060A	680-62308-E-1	Total Organic Carbon	0.50	U	mg/L						
9060A	680-62308-E-1 MS	Total Organic Carbon	19.6		mg/L	20.0	98	80-120			
9060A	680-62308-E-1	TOC Result 1	0.50	U	mg/L						
9060A	680-62308-E-1 MS	TOC Result 1	19.9		mg/L	20.0	99	80-120			
9060A	680-62308-E-1	TOC Result 2	0.50	U	mg/L						
9060A	680-62308-E-1 MS	TOC Result 2	19.6		mg/L	20.0	98	80-120			
9060A	680-62308-E-1	TOC Result 3	0.50	U	mg/L						
9060A	680-62308-E-1 MS	TOC Result 3	19.5		mg/L	20.0	98	80-120			
9060A	680-62308-E-1	TOC Result 4	0.50	U	mg/L						
9060A	680-62308-E-1 MS	TOC Result 4	19.6		mg/L	20.0	98	80-120			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 183618 Date: 10/20/2010 17:57											
9060A	680-62308-E-1 MSD	Total Organic Carbon	19.3		mg/L	20.0	97	80-120	2	25	
9060A	680-62308-E-1 MSD	TOC Result 1	19.5		mg/L	20.0	98	80-120	2	25	
9060A	680-62308-E-1 MSD	TOC Result 2	19.4		mg/L	20.0	97	80-120	1	25	
9060A	680-62308-E-1 MSD	TOC Result 3	19.1		mg/L	20.0	96	80-120	2	25	
9060A	680-62308-E-1 MSD	TOC Result 4	19.2		mg/L	20.0	96	80-120	2	25	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 183618	Date: 10/20/2010 17:05							
9060A		680-62297-B-5	Total Organic Carbon	45	mg/L			
9060A		680-62297-B-5 DU	Total Organic Carbon	44.3	mg/L	1	25	
9060A		680-62297-B-5	Total Organic Carbon - Quad	45	mg/L			
9060A		680-62297-B-5 DU	Total Organic Carbon - Quad	44.3	mg/L	1	25	
9060A		680-62297-B-5	TOC Result 1	46	mg/L			
9060A		680-62297-B-5 DU	TOC Result 1	45.3	mg/L	0.7	25	
9060A		680-62297-B-5	TOC Result 2	45	mg/L			
9060A		680-62297-B-5 DU	TOC Result 2	43.7	mg/L	2	25	
9060A		680-62297-B-5	TOC Result 3	44	mg/L			
9060A		680-62297-B-5 DU	TOC Result 3	44.0	mg/L	0.7	25	
9060A		680-62297-B-5	TOC Result 4	45	mg/L			
9060A		680-62297-B-5 DU	TOC Result 4	44.2	mg/L	2	25	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 183618	Date: 10/20/2010 12:25										
						LCS Source:	TOC LCS_00043				
9060A	LCS 680-183618/2	Total Organic Carbon	19.0		mg/L	20.0	95	80-120			
9060A	LCS 680-183618/2	TOC Result 1	19.1		mg/L	20.0	96	80-120			
9060A	LCS 680-183618/2	TOC Result 2	18.9		mg/L	20.0	95	80-120			
9060A	LCS 680-183618/2	TOC Result 3	18.9		mg/L	20.0	95	80-120			
9060A	LCS 680-183618/2	TOC Result 4	19.1		mg/L	20.0	96	80-120			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG Number: 68000

Matrix: Water Instrument ID: TOC3

Analysis Method: 9060A MDL Date: 06/02/2009 00:00

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
TOC Result 1		1	0.5
TOC Result 2		1	0.5
TOC Result 3		1	0.5
TOC Result 4		1	0.5
Total Organic Carbon		1	0.5
Total Organic Carbon - Quad		1	0.5

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG Number: 68000

Matrix: Water Instrument ID: TOC3

Analysis Method: 9060A XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
TOC Result 1		1	0.5
TOC Result 2		1	0.5
TOC Result 3		1	0.5
TOC Result 4		1	0.5
Total Organic Carbon		1	0.5
Total Organic Carbon - Quad		1	0.5

FORM IX - IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG Number: 68000

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: Moisture RL Date: 01/01/2005 13:43

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.01	

FORM IX - IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: TOC3 Method: 9060A

Start Date: 10/20/2010 11:52 End Date: 10/20/2010 19:04

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC	TOC1	TOC2	TOC3	TOC4	TOCQ														
MB 680-183618/1	1	T	11:52	X	X	X	X	X	X														
LCS 680-183618/2	1	T	12:25	X	X	X	X	X	X														
680-62145-2	1	T	12:41	X	X	X	X	X	X														
ZZZZZZ			12:57																				
ZZZZZZ			13:16																				
ZZZZZZ			13:34																				
ZZZZZZ			14:00																				
ZZZZZZ			14:16																				
ZZZZZZ			14:33																				
ZZZZZZ			14:49																				
ZZZZZZ			15:36																				
ZZZZZZ			15:55																				
ZZZZZZ			16:13																				
ZZZZZZ			16:32																				
ZZZZZZ			16:50																				
680-62297-B-5 DU	1	T	17:05	X	X	X	X	X	X														
ZZZZZZ			17:23																				
680-62308-E-1 MS	1	T	17:42	X	X	X	X	X	X														
680-62308-E-1 MSD	1	T	17:57	X	X	X	X	X	X														
ZZZZZZ			18:15																				
ZZZZZZ			19:04																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: NOEQUIP Method: Moisture

Start Date: 10/17/2010 13:49 End Date: 10/17/2010 13:49

Lab Sample ID	D/F	Type	Time	Analytes																			
				Moist																			
ZZZZZZ			13:49																				
680-62145-1	1	T	13:49	X																			
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				

Prep Types
T = Total/NA

	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
1	CCV	TOCCALSTD2-23	1.000	NPOC:4.870mg/L	Completed	10/20/2010 11:41:58 AM	1
2	CCB		1.000	!!Failed!! NPOC:-0.3627mg/L	Completed	10/20/2010 11:58:24 AM	2
3	BICARB/CARB		1.000	!!Failed!! NPOC:-0.2271mg/L	Completed	10/20/2010 12:12:45 PM	3
4	LCS	TV=20PPM	1.000	NPOC:19.02mg/L	Completed	10/20/2010 12:31:12 PM	4
5	680-62145-a-2		1.000	NPOC:3.082mg/L	Completed	10/20/2010 12:47:31 PM	5
6	460-17986-d-1		1.000	NPOC:5.750mg/L	Completed	10/20/2010 1:03:54 PM	6
7	460-17986-d-2		1.000	NPOC:6.597mg/L	Completed	10/20/2010 1:22:19 PM	7
8	460-17986-d-3		1.000	NPOC:18.15mg/L	Completed	10/20/2010 1:40:40 PM	8
9	460-17986-d-4		1.000	NPOC:21.97mg/L	Completed	10/20/2010 2:06:48 PM	9
10	460-17986-d-5		1.000	NPOC:5.646mg/L	Completed	10/20/2010 2:23:05 PM	10
11	460-18215-d-1		1.000	NPOC:8.916mg/L	Completed	10/20/2010 2:39:29 PM	11
12	460-18215-d-3		1.000	NPOC:6.080mg/L	Completed	10/20/2010 2:55:53 PM	12
13	CCV	TOCCALSTD4-23	1.000	NPOC:46.90mg/L	Completed	10/20/2010 3:12:18 PM	13
14	CCB		1.000	!!Failed!! NPOC:-0.2236mg/L	Completed	10/20/2010 3:26:40 PM	14
15	460-18215-d-4		1.000	NPOC:5.695mg/L	Completed	10/20/2010 3:43:05 PM	15
16	460-18215-d-5		1.000	NPOC:5.479mg/L	Completed	10/20/2010 4:01:33 PM	16
17	680-62297-b-3		1.000	NPOC:10.20mg/L	Completed	10/20/2010 4:19:55 PM	17
18	680-62297-b-4		1.000	NPOC:16.25mg/L	Completed	10/20/2010 4:38:18 PM	18
19	680-62297-b-5		1.000	NPOC:44.92mg/L	Completed	10/20/2010 4:56:41 PM	19
20	680-62297-b-5 DU		1.000	NPOC:44.30mg/L	Completed	10/20/2010 5:11:34 PM	19
21	680-62308-e-1		1.000	NPOC:0.1751mg/L	Completed	10/20/2010 5:29:57 PM	20
22	680-62308-e-1 MS		1.000	NPOC:19.65mg/L	Completed	10/20/2010 5:48:18 PM	21
23	680-62308-e-1 MSD		1.000	NPOC:19.32mg/L	Completed	10/20/2010 6:03:11 PM	21
24	680-62308-e-2		1.000	NPOC:1.740mg/L	Completed	10/20/2010 6:21:34 PM	22
25	CCV	TOCCALSTD6-24	1.000	NPOC:192.7mg/L	Completed	10/20/2010 6:38:19 PM	23
26	CCB		1.000	!!Failed!! NPOC:-0.1965mg/L	Completed	10/20/2010 6:54:44 PM	24
27	680-62308-e-3		1.000	NPOC:1.026mg/L	Completed	10/20/2010 7:11:07 PM	25
28	LCS	TV=20PPM	1.000	NPOC:18.83mg/L	Completed	10/20/2010 7:27:35 PM	4
29	680-62288-e-21		1.000	NPOC:0.4801mg/L	Completed	10/20/2010 7:42:08 PM	26
30	680-62288-e-22		1.000	NPOC:0.2405mg/L	Completed	10/20/2010 7:58:32 PM	27
31	680-62288-e-23		1.000	NPOC:0.2369mg/L	Completed	10/20/2010 8:14:56 PM	28
32	680-62288-e-24		1.000	NPOC:0.2363mg/L	Completed	10/20/2010 8:29:16 PM	29
33	680-62288-e-25		1.000	NPOC:0.08752mg/L	Completed	10/20/2010 8:43:36 PM	30
34	680-62288-e-26		1.000	NPOC:1.564mg/L	Completed	10/20/2010 8:57:59 PM	31
35	680-62288-e-27		1.000	NPOC:0.09072mg/L	Completed	10/20/2010 9:12:22 PM	32
36	680-62288-e-28		1.000	NPOC:0.2851mg/L	Completed	10/20/2010 9:26:44 PM	33
37	CCV	TOCCALSTD2-23	1.000	NPOC:4.927mg/L	Completed	10/20/2010 9:41:23 PM	1
38	CCB		1.000	!!Failed!! NPOC:-0.1932mg/L	Completed	10/20/2010 9:55:44 PM	2
39	680-62288-e-29		1.000	NPOC:0.1997mg/L	Completed	10/20/2010 10:10:07 PM	34
40	680-62288-e-29 DU		1.000	NPOC:0.1774mg/L	Completed	10/20/2010 10:20:57 PM	34
41	680-62288-e-30		1.000	NPOC:0.1316mg/L	Completed	10/20/2010 10:35:22 PM	35
42	680-62288-e-31		1.000	NPOC:0.3157mg/L	Completed	10/20/2010 10:49:45 PM	36
43	680-62288-e-31 ms		1.000	NPOC:19.62mg/L	Completed	10/20/2010 11:06:11 PM	37
44	680-62288-e-31 msd		1.000	NPOC:19.42mg/L	Completed	10/20/2010 11:19:06 PM	37
45	680-62288-e-32		1.000	NPOC:0.2718mg/L	Completed	10/20/2010 11:33:27 PM	38
46	680-62288-e-33		1.000	NPOC:0.3310mg/L	Completed	10/20/2010 11:47:49 PM	39
47	680-62288-e-34		1.000	NPOC:0.1171mg/L	Completed	10/21/2010 12:02:12 AM	40
48	680-62288-e-35		1.000	NPOC:0.3872mg/L	Completed	10/21/2010 12:16:34 AM	41
49	CCV	TOCCALSTD4-23	1.000	NPOC:46.89mg/L	Completed	10/21/2010 12:33:17 AM	13
50	CCB		1.000	!!Failed!! NPOC:-0.1420mg/L	Completed	10/21/2010 12:47:38 AM	14
51	680-62288-e-36		1.000	NPOC:0.5246mg/L	Completed	10/21/2010 1:02:01 AM	42
52	680-62288-e-37		1.000	NPOC:0.6698mg/L	Completed	10/21/2010 1:16:24 AM	43
53	680-62288-e-38		1.000	NPOC:1.011mg/L	Completed	10/21/2010 1:30:46 AM	44
54	680-62288-e-39		1.000	NPOC:1.068mg/L	Completed	10/21/2010 1:45:08 AM	45
55	680-62288-e-40		1.000	NPOC:0.3177mg/L	Completed	10/21/2010 1:59:30 AM	46
56	CCV	TOCCALSTD6-24	1.000	NPOC:191.8mg/L	Completed	10/21/2010 2:16:14 AM	23
57	CCB		1.000	!!Failed!! NPOC:-0.1226mg/L	Completed	10/21/2010 2:30:34 AM	24

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	CCV
Sample ID:	TOCCALSTD2-23
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

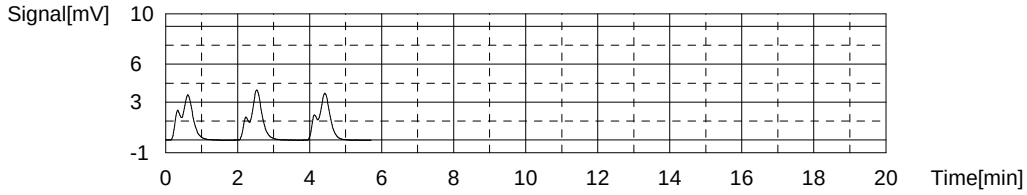
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.870mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.071	4.872mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:37:52 AM
2	9.222	4.961mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:39:55 AM
3	8.910	4.777mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:41:58 AM

Mean Area 9.068
Mean Conc. 4.870mg/L



Sample

Sample Name:	CCB
Sample ID:	
Origin:	TOC9060.met
Status	Completed
Chk. Result	

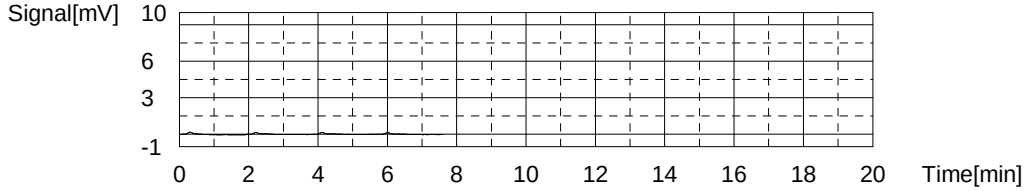
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.3627mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1660	-0.3631mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:52:14 AM
2	0.1664	-0.3629mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:54:17 AM
3	0.1900	-0.3490mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:56:21 AM
4	0.1441	-0.3760mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:58:24 AM

Mean Area 0.1666
Mean Conc. -0.3627mg/L



Sample

Sample Name: BICARB/CARB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

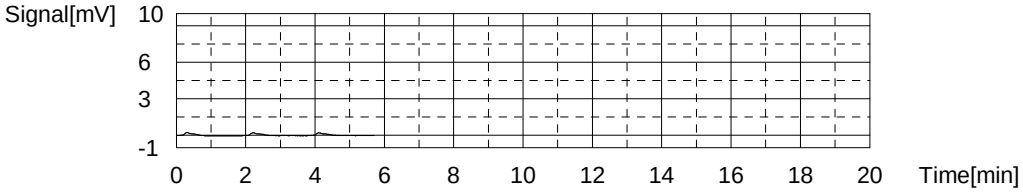
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.2271mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3746	-0.2405mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:08:38 PM
2	0.4344	-0.2053mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:10:42 PM
3	0.3829	-0.2356mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:12:45 PM

Mean Area 0.3973
Mean Conc. -0.2271mg/L



Sample

Sample Name: LCS
Sample ID: TV=20PPM
Origin: TOC9060.met
Status Completed
Chk. Result

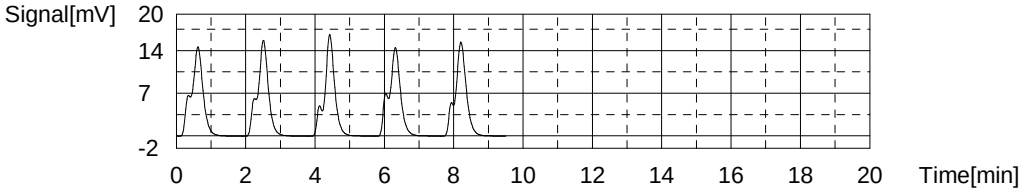
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.02mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.59	19.87mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 12:23:00 PM
2	34.19	19.12mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 12:25:03 PM
3	33.85	18.93mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 12:27:06 PM
4	33.87	18.94mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 12:29:09 PM
5	34.14	19.10mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 12:31:12 PM

Mean Area 34.01
Mean Conc. 19.02mg/L



Sample

Sample Name: 680-62145-a-2
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

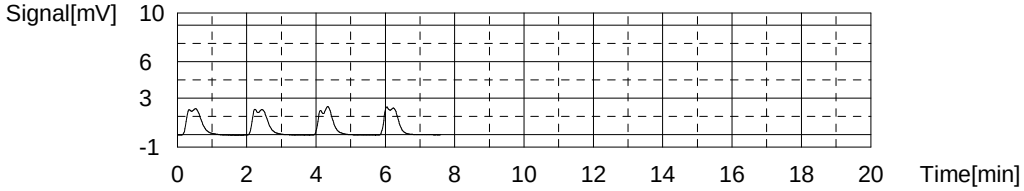
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.082mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.133	3.145mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:41:21 PM
2	6.104	3.128mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:43:24 PM
3	5.938	3.030mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:45:27 PM
4	5.931	3.026mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:47:31 PM

Mean Area 6.027
Mean Conc. 3.082mg/L



Sample

Sample Name: 460-17986-d-1
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

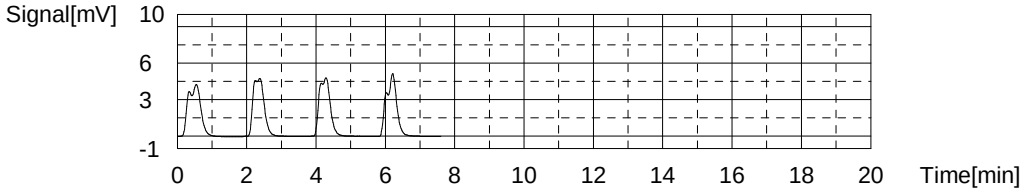
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.750mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.67	5.812mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:57:44 PM
2	10.54	5.736mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:59:47 PM
3	10.51	5.718mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 1:01:50 PM
4	10.54	5.736mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 1:03:54 PM

Mean Area 10.57
Mean Conc. 5.750mg/L



Sample

Sample Name: 460-17986-d-2
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

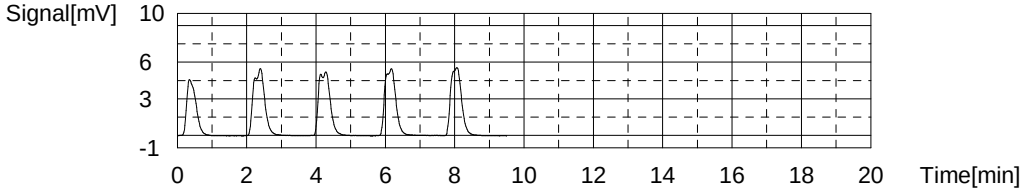
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.597mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.364	4.456mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 1:14:06 PM
2	12.21	6.717mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 1:16:09 PM
3	11.88	6.523mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 1:18:13 PM
4	11.88	6.523mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 1:20:16 PM
5	12.05	6.623mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 1:22:19 PM

Mean Area 12.01
Mean Conc. 6.597mg/L



Sample

Sample Name: 460-17986-d-3
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

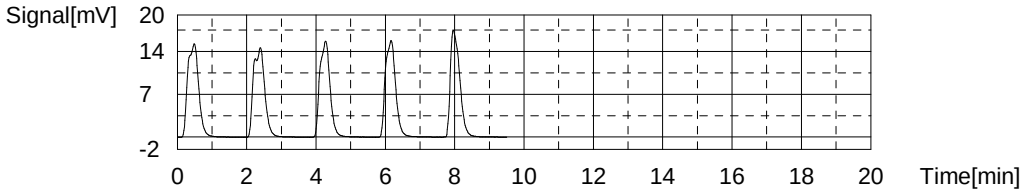
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.15mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.45	19.20mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 1:32:28 PM
2	32.81	18.34mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 1:34:31 PM
3	31.98	17.87mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 1:36:34 PM
4	32.27	18.04mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 1:38:37 PM
5	32.84	18.36mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 1:40:40 PM

Mean Area 32.48
Mean Conc. 18.15mg/L



Sample

Sample Name: 460-17986-d-4
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

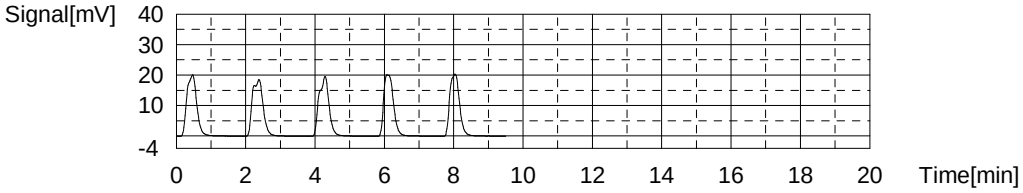
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.97mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	39.61	22.83mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 1:58:34 PM
2	39.77	22.29mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 2:00:37 PM
3	38.76	21.71mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 2:02:41 PM
4	38.90	21.79mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 2:04:44 PM
5	39.42	22.09mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 2:06:48 PM

Mean Area 39.21
Mean Conc. 21.97mg/L



Sample

Sample Name: 460-17986-d-5
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

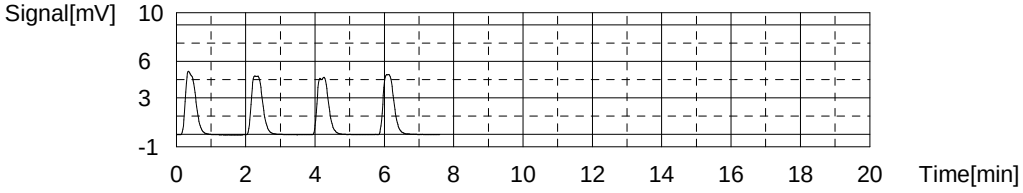
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.646mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.40	5.653mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:16:55 PM
2	10.58	5.759mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:18:58 PM
3	10.30	5.595mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:21:02 PM
4	10.27	5.577mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:23:05 PM

Mean Area 10.39
Mean Conc. 5.646mg/L



Sample

Sample Name: 460-18215-d-1
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

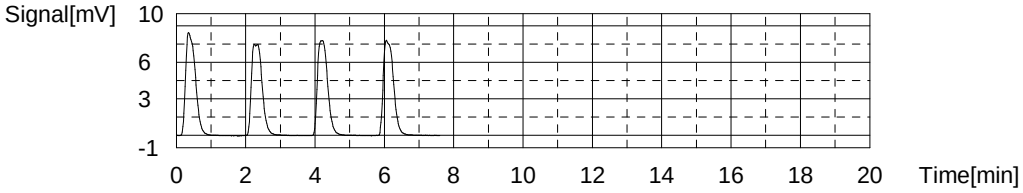
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.916mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.35	9.151mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:33:19 PM
2	15.93	8.904mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:35:23 PM
3	15.73	8.787mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:37:26 PM
4	15.79	8.822mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:39:29 PM

Mean Area 15.95
Mean Conc. 8.916mg/L



Sample

Sample Name: 460-18215-d-3
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

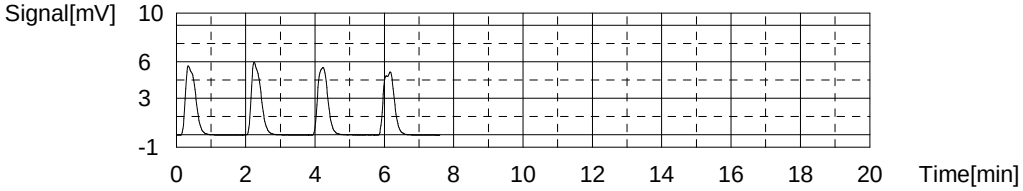
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.080mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.23	6.141mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:49:42 PM
2	11.23	6.141mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:51:45 PM
3	10.95	5.977mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:53:49 PM
4	11.09	6.059mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:55:53 PM

Mean Area 11.13
Mean Conc. 6.080mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD4-23
Origin: TOC415.1A.met
Status Completed
Chk. Result

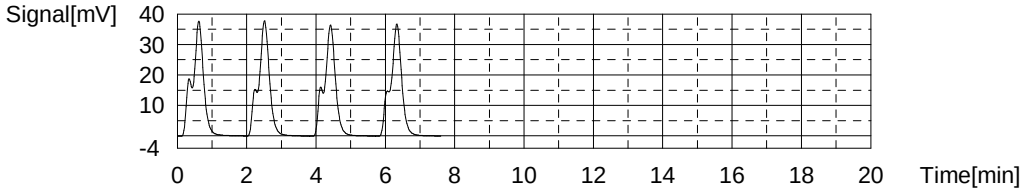
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:46.90mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.94	50.06mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 3:06:07 PM
2	84.08	47.40mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 3:08:11 PM
3	82.52	46.51mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 3:10:15 PM
4	82.99	46.78mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 3:12:18 PM

Mean Area 83.20
Mean Conc. 46.90mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

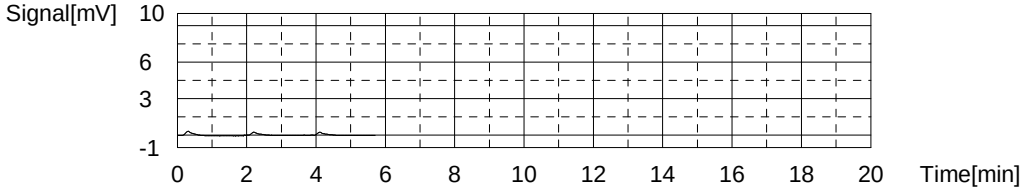
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.2236mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4756	-0.1811mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:22:33 PM
2	0.3725	-0.2417mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:24:36 PM
3	0.3617	-0.2481mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:26:40 PM

Mean Area 0.4033
Mean Conc. -0.2236mg/L



Sample

Sample Name: 460-18215-d-4
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

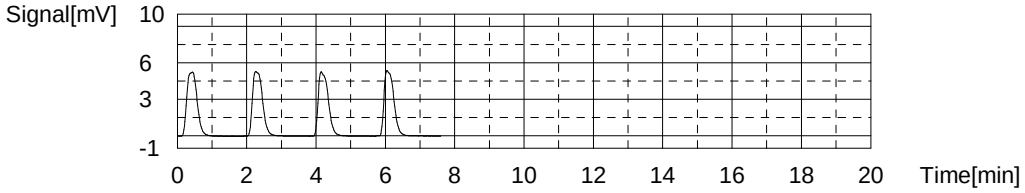
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.695mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.71	5.836mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:36:54 PM
2	10.47	5.695mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:38:58 PM
3	10.41	5.659mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:41:01 PM
4	10.29	5.589mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:43:05 PM

Mean Area 10.47
Mean Conc. 5.695mg/L



Sample

Sample Name: 460-18215-d-5
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

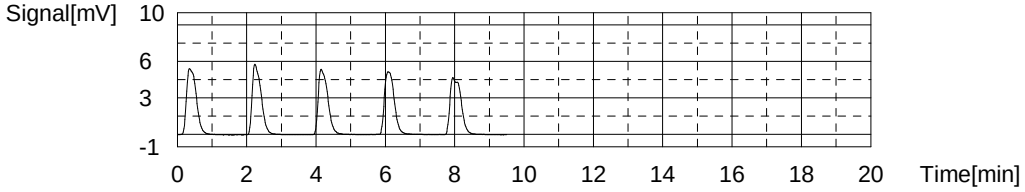
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.479mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.48	5.700mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 3:53:19 PM
2	10.24	5.559mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:55:22 PM
3	10.07	5.459mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:57:26 PM
4	9.911	5.366mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:59:30 PM
5	10.19	5.530mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 4:01:33 PM

Mean Area 10.10
Mean Conc. 5.479mg/L



Sample

Sample Name: 680-62297-b-3
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

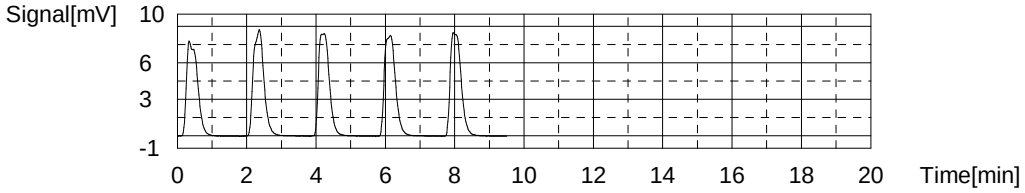
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:10.20mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.82	9.428mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 4:11:41 PM
2	18.37	10.34mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 4:13:45 PM
3	17.87	10.04mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 4:15:48 PM
4	18.07	10.16mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 4:17:52 PM
5	18.25	10.27mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 4:19:55 PM

Mean Area 18.14
Mean Conc. 10.20mg/L



Sample

Sample Name: 680-62297-b-4
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

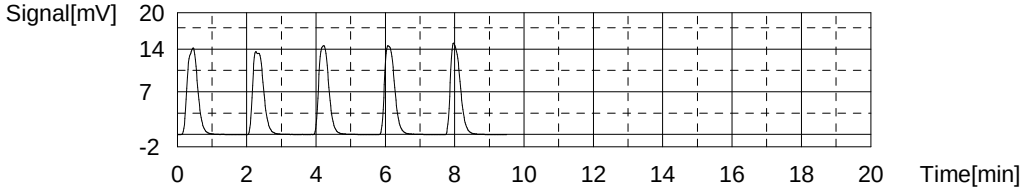
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	29.39	16.82mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 4:30:05 PM
2	29.21	16.30mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:32:08 PM
3	28.94	16.15mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:34:11 PM
4	28.95	16.15mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:36:15 PM
5	29.35	16.38mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:38:18 PM

Mean Area 29.11
Mean Conc. 16.25mg/L



Sample

Sample Name: 680-62297-b-5
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

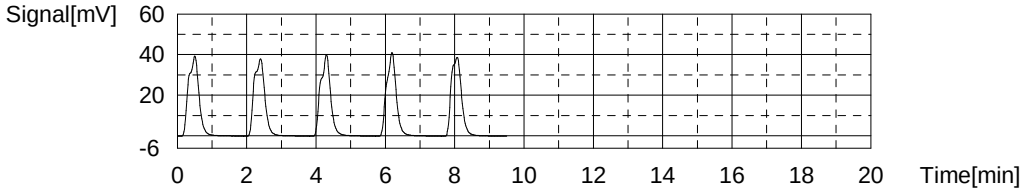
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:44.92mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	82.17	47.85mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 4:48:27 PM
2	80.96	45.63mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:50:31 PM
3	79.35	44.72mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:52:34 PM
4	78.64	44.31mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:54:38 PM
5	79.88	45.02mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:56:41 PM

Mean Area 79.71
Mean Conc. 44.92mg/L



Sample

Sample Name: 680-62297-b-5 DU
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

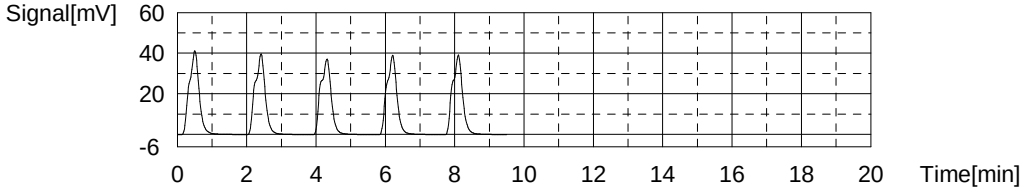
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:44.30mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	81.34	47.36mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 5:03:20 PM
2	80.38	45.30mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:05:23 PM
3	77.60	43.72mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:07:27 PM
4	78.05	43.98mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:09:30 PM
5	78.47	44.22mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:11:34 PM

Mean Area 78.63
Mean Conc. 44.30mg/L



Sample

Sample Name: 680-62308-e-1
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

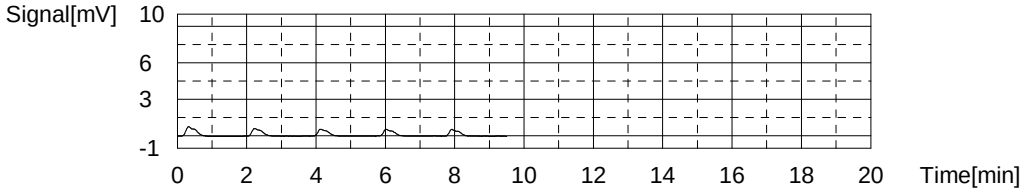
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1751mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.477	0.4076mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 5:21:43 PM
2	1.203	0.2465mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 5:23:47 PM
3	1.070	0.1683mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 5:25:50 PM
4	1.015	0.1360mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 5:27:53 PM
5	1.038	0.1495mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 5:29:57 PM

Mean Area 1.082
Mean Conc. 0.1751mg/L



Sample

Sample Name: 680-62308-e-1 MS
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

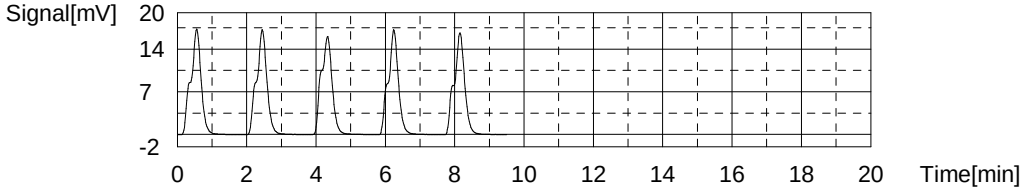
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.65mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.93	20.66mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 5:40:05 PM
2	35.50	19.87mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:42:08 PM
3	34.98	19.57mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:44:11 PM
4	34.91	19.53mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:46:15 PM
5	35.06	19.62mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:48:18 PM

Mean Area 35.11
Mean Conc. 19.65mg/L



Sample

Sample Name: 680-62308-e-1 MSD
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

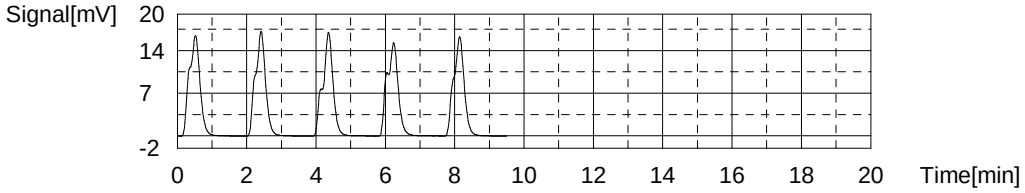
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.32mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.55	20.44mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 5:54:57 PM
2	34.93	19.54mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:57:01 PM
3	34.64	19.38mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:59:04 PM
4	34.21	19.14mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 6:01:08 PM
5	34.38	19.23mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 6:03:11 PM

Mean Area 34.54
Mean Conc. 19.32mg/L



Sample

Sample Name: 680-62308-e-2
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

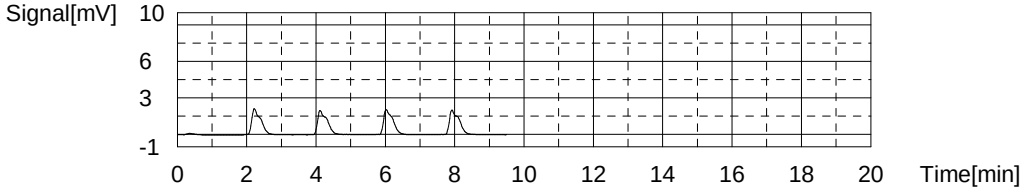
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.740mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1334	-0.3823mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 6:13:20 PM
2	3.758	1.749mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 6:15:24 PM
3	3.675	1.700mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 6:17:27 PM
4	3.720	1.726mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 6:19:31 PM
5	3.822	1.786mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 6:21:34 PM

Mean Area 3.744
Mean Conc. 1.740mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD6-24
Origin: TOC415.1A.met
Status Completed
Chk. Result

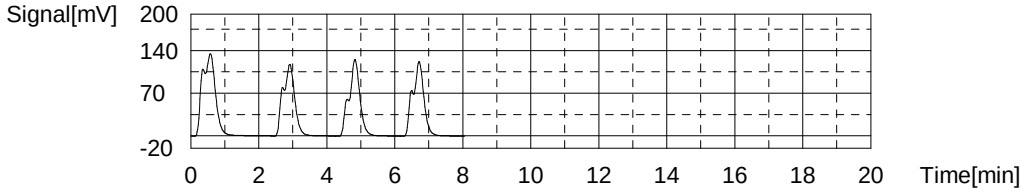
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:192.7mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	361.6	212.1mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 6:32:09 PM
2	281.9	193.7mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/20/2010 6:34:12 PM
3	279.9	192.3mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/20/2010 6:36:16 PM
4	279.6	192.1mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/20/2010 6:38:19 PM

Mean Area 280.5
Mean Conc. 192.7mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

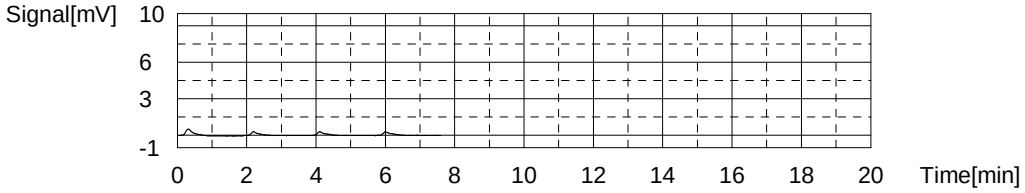
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1965mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7578	-0.01520mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 6:48:33 PM
2	0.4237	-0.2116mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 6:50:37 PM
3	0.4650	-0.1873mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 6:52:40 PM
4	0.4594	-0.1906mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 6:54:44 PM

Mean Area 0.4494
Mean Conc. -0.1965mg/L



Sample

Sample Name: 680-62308-e-3
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

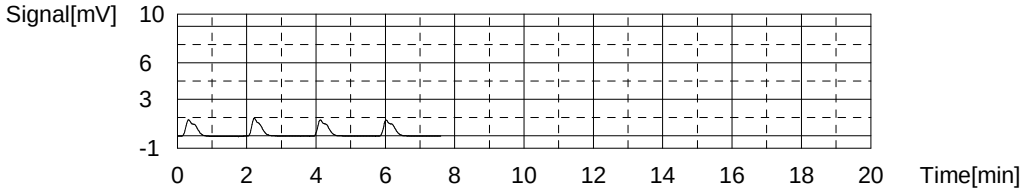
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.026mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.543	1.034mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:04:57 PM
2	2.512	1.016mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:07:00 PM
3	2.535	1.030mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:09:04 PM
4	2.528	1.025mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:11:07 PM

Mean Area 2.530
Mean Conc. 1.026mg/L



Sample

Sample Name: LCS
Sample ID: TV=20PPM
Origin: TOC415.1A.met
Status Completed
Chk. Result

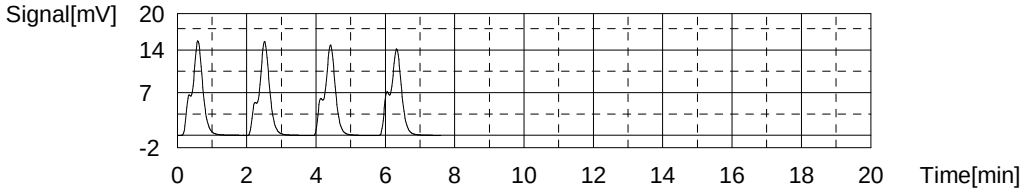
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.83mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.31	19.71mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 7:21:25 PM
2	33.61	18.80mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 7:23:29 PM
3	33.35	18.65mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 7:25:32 PM
4	34.03	19.03mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 7:27:35 PM

Mean Area 33.66
Mean Conc. 18.83mg/L



Sample

Sample Name: 680-62288-e-21
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

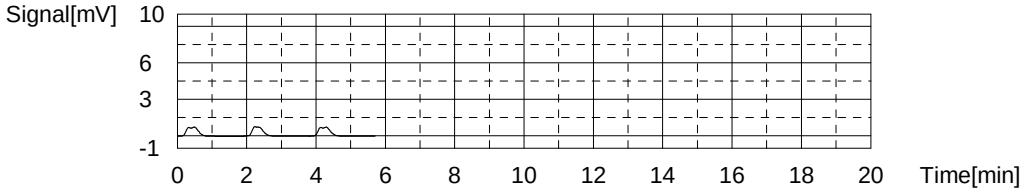
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4801mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.629	0.4970mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:38:01 PM
2	1.575	0.4652mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:40:04 PM
3	1.597	0.4782mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:42:08 PM

Mean Area 1.600
Mean Conc. 0.4801mg/L



Sample

Sample Name: 680-62288-e-22
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

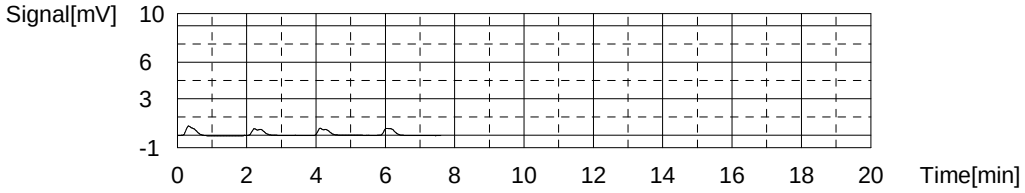
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2405mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.393	0.3582mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 7:52:22 PM
2	1.192	0.2401mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:54:26 PM
3	1.198	0.2436mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:56:29 PM
4	1.188	0.2377mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:58:32 PM

Mean Area 1.193
Mean Conc. 0.2405mg/L



Sample

Sample Name: 680-62288-e-23
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

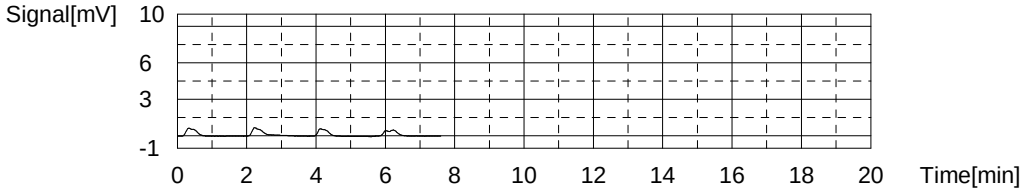
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2369mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.272	0.2871mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:08:46 PM
2	1.391	0.3571mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 8:10:49 PM
3	1.144	0.2118mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:12:52 PM
4	1.144	0.2118mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:14:56 PM

Mean Area 1.187
Mean Conc. 0.2369mg/L



Sample

Sample Name: 680-62288-e-24
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

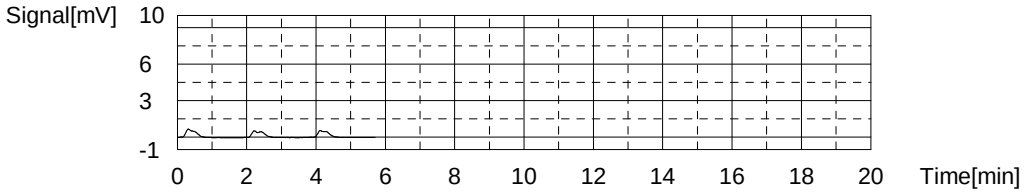
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2363mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.274	0.2883mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:25:09 PM
2	1.151	0.2160mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:27:12 PM
3	1.132	0.2048mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:29:16 PM

Mean Area 1.186
Mean Conc. 0.2363mg/L



Sample

Sample Name: 680-62288-e-25
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

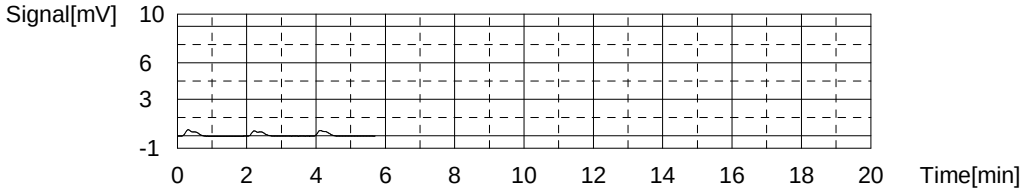
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.08752mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.022	0.1401mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:39:29 PM
2	0.8893	0.06211mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:41:33 PM
3	0.8863	0.06034mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:43:36 PM

Mean Area 0.9325
Mean Conc. 0.08752mg/L



Sample

Sample Name: 680-62288-e-26
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

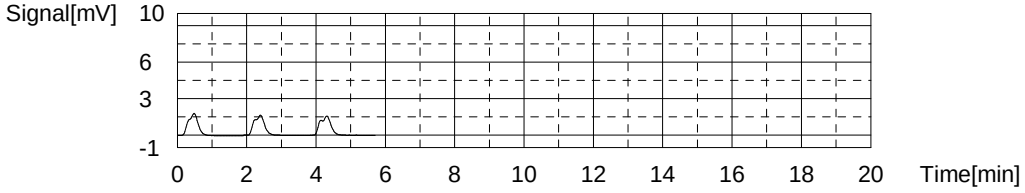
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.564mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.552	1.627mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:53:52 PM
2	3.415	1.547mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:55:55 PM
3	3.364	1.517mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:57:59 PM

Mean Area 3.444
Mean Conc. 1.564mg/L



Sample

Sample Name: 680-62288-e-27
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

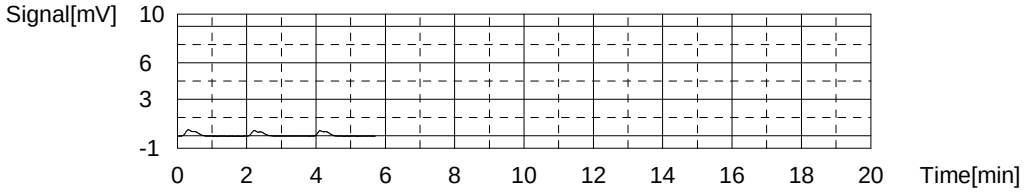
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.09072mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.046	0.1542mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:08:15 PM
2	0.8868	0.06064mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:10:19 PM
3	0.8811	0.05729mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:12:22 PM

Mean Area 0.9380
Mean Conc. 0.09072mg/L



Sample

Sample Name: 680-62288-e-28
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

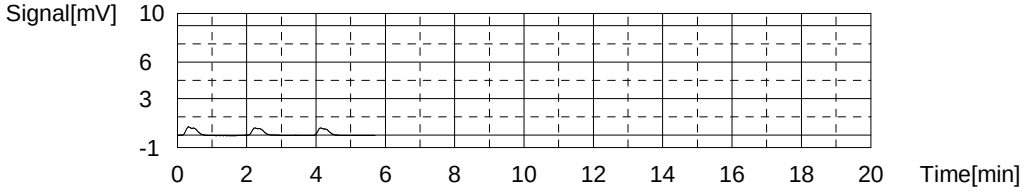
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2851mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.371	0.3453mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:22:38 PM
2	1.223	0.2583mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:24:41 PM
3	1.212	0.2518mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:26:44 PM

Mean Area 1.269
Mean Conc. 0.2851mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD2-23
Origin: TOC415.1A.met
Status Completed
Chk. Result

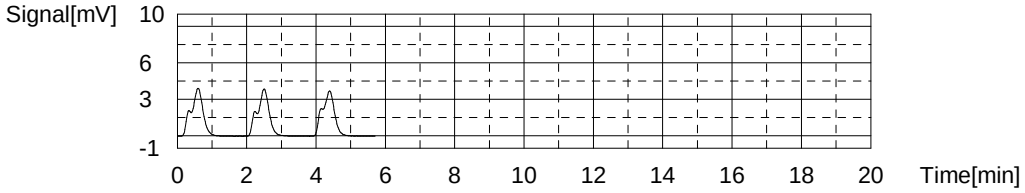
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.927mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.353	5.038mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:37:16 PM
2	9.123	4.903mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:39:19 PM
3	9.018	4.841mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:41:23 PM

Mean Area 9.165
Mean Conc. 4.927mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

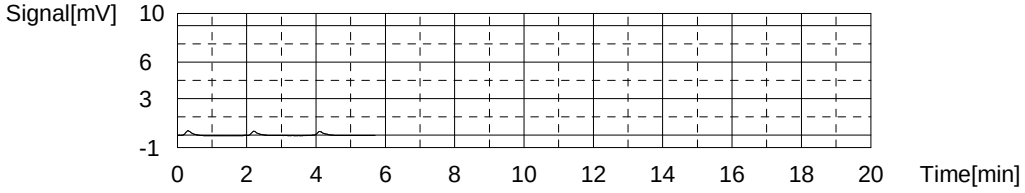
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1932mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4883	-0.1736mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:51:37 PM
2	0.4496	-0.1964mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:53:41 PM
3	0.4272	-0.2096mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:55:44 PM

Mean Area 0.4550
Mean Conc. -0.1932mg/L



Sample

Sample Name: 680-62288-e-29
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

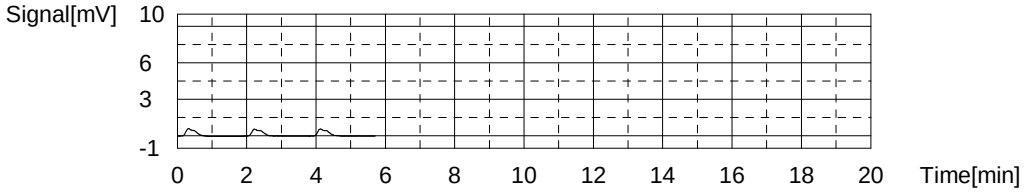
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1997mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.141	0.2101mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:06:00 PM
2	1.111	0.1924mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:08:03 PM
3	1.118	0.1966mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:10:07 PM

Mean Area 1.123
Mean Conc. 0.1997mg/L



Sample

Sample Name: 680-62288-e-29 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

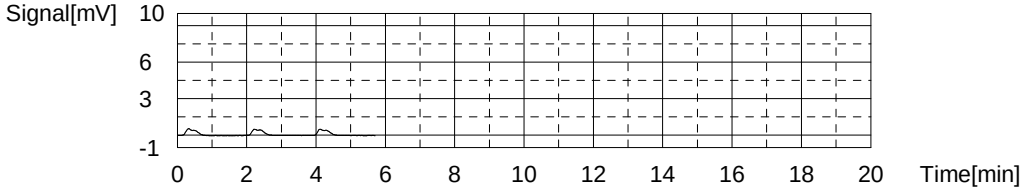
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1774mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.110	0.1919mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:16:50 PM
2	1.092	0.1813mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:18:53 PM
3	1.054	0.1589mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:20:57 PM

Mean Area 1.085
Mean Conc. 0.1774mg/L



Sample

Sample Name: 680-62288-e-30
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

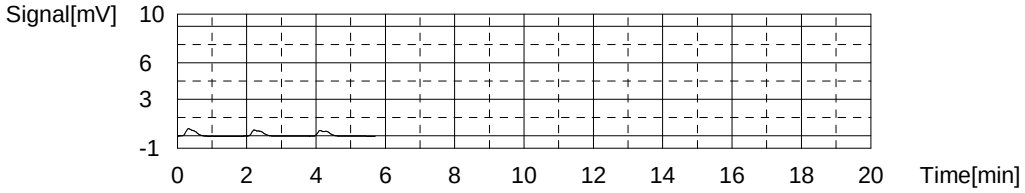
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1316mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.084	0.1766mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:31:14 PM
2	0.9713	0.1103mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:33:18 PM
3	0.9672	0.1079mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:35:22 PM

Mean Area 1.008
Mean Conc. 0.1316mg/L



Sample

Sample Name: 680-62288-e-31
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

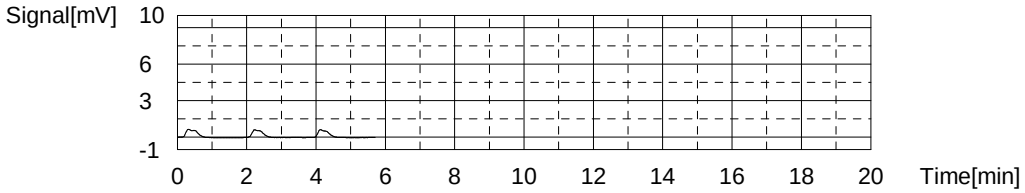
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3157mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.404	0.3647mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:45:38 PM
2	1.278	0.2906mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:47:42 PM
3	1.280	0.2918mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:49:45 PM

Mean Area 1.321
Mean Conc. 0.3157mg/L



Sample

Sample Name: 680-62288-e-31 ms
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

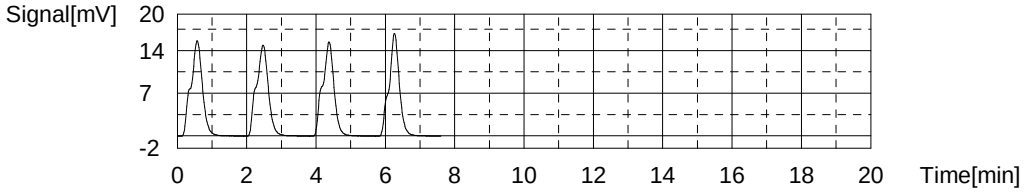
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.62mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.04	20.73mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 11:00:01 PM
2	35.40	19.81mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 11:02:04 PM
3	35.11	19.65mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 11:04:08 PM
4	34.70	19.41mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 11:06:11 PM

Mean Area 35.07
Mean Conc. 19.62mg/L



Sample

Sample Name: 680-62288-e-31 msd
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

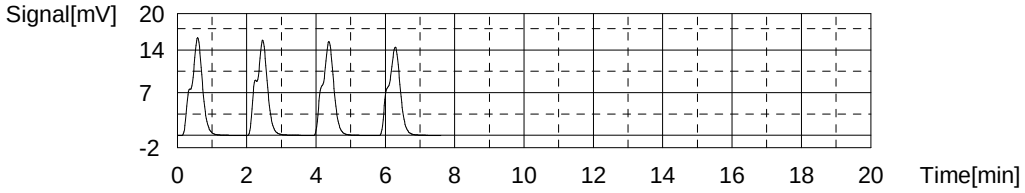
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.42mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.86	20.62mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 11:12:55 PM
2	35.14	19.66mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 11:14:59 PM
3	34.55	19.33mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 11:17:02 PM
4	34.44	19.27mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 11:19:06 PM

Mean Area 34.71
Mean Conc. 19.42mg/L



Sample

Sample Name: 680-62288-e-32
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

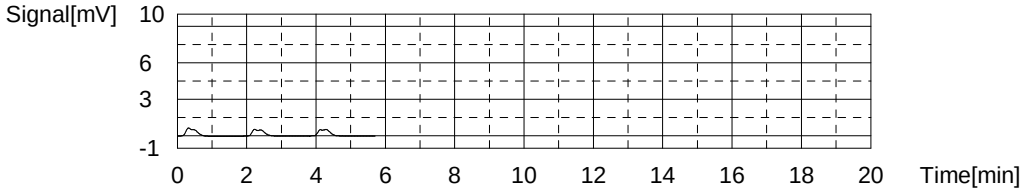
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2718mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.317	0.3135mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:29:20 PM
2	1.209	0.2501mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:31:23 PM
3	1.212	0.2518mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:33:27 PM

Mean Area 1.246
Mean Conc. 0.2718mg/L



Sample

Sample Name: 680-62288-e-33
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

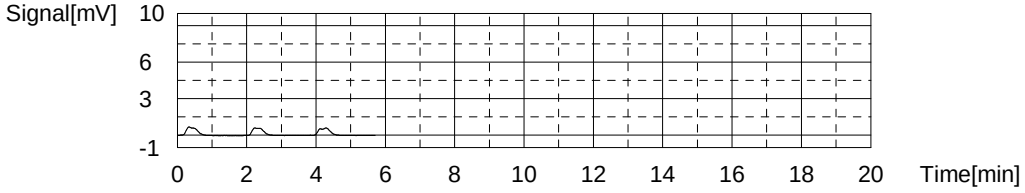
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3310mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.404	0.3647mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:43:42 PM
2	1.311	0.3100mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:45:46 PM
3	1.325	0.3183mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:47:49 PM

Mean Area 1.347
Mean Conc. 0.3310mg/L



Sample

Sample Name: 680-62288-e-34
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

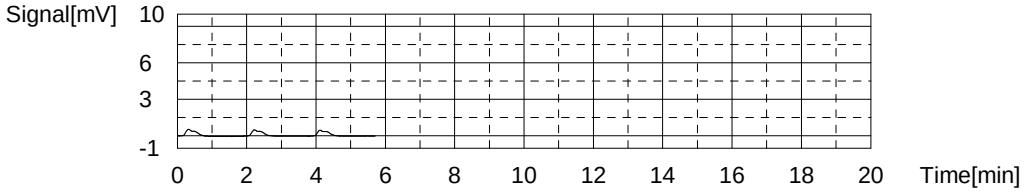
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1171mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.015	0.1360mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:58:05 PM
2	0.9900	0.1213mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:00:08 AM
3	0.9436	0.09403mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:02:12 AM

Mean Area 0.9829
Mean Conc. 0.1171mg/L



Sample

Sample Name: 680-62288-e-35
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

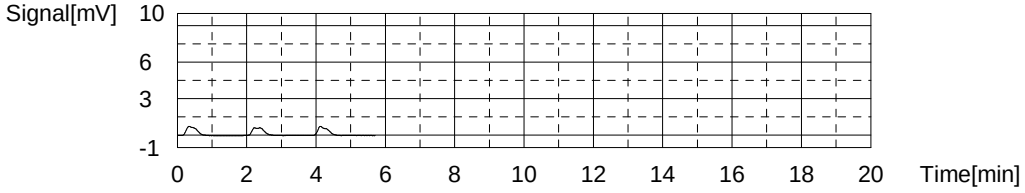
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3872mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.496	0.4188mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:12:27 AM
2	1.424	0.3765mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:14:31 AM
3	1.407	0.3665mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:16:34 AM

Mean Area 1.442
Mean Conc. 0.3872mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD4-23
Origin: TOC415.1A.met
Status Completed
Chk. Result

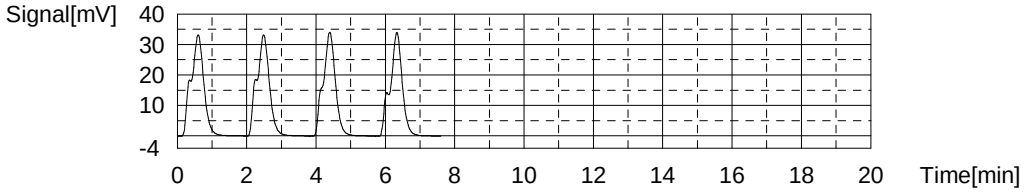
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:46.89mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.44	49.77mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/21/2010 12:27:07 AM
2	83.85	47.27mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/21/2010 12:29:10 AM
3	83.17	46.88mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/21/2010 12:31:14 AM
4	82.55	46.53mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/21/2010 12:33:17 AM

Mean Area 83.19
Mean Conc. 46.89mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

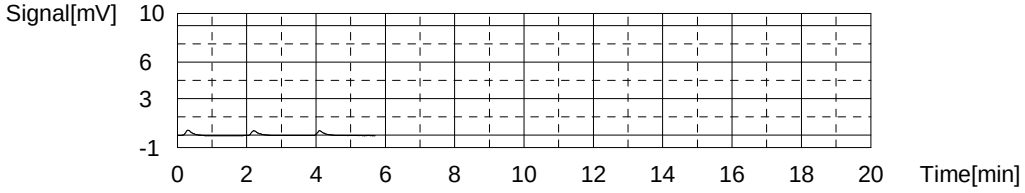
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1420mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5694	-0.1260mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:43:31 AM
2	0.5180	-0.1562mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:45:35 AM
3	0.5390	-0.1438mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:47:38 AM

Mean Area 0.5421
Mean Conc. -0.1420mg/L



Sample

Sample Name: 680-62288-e-36
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

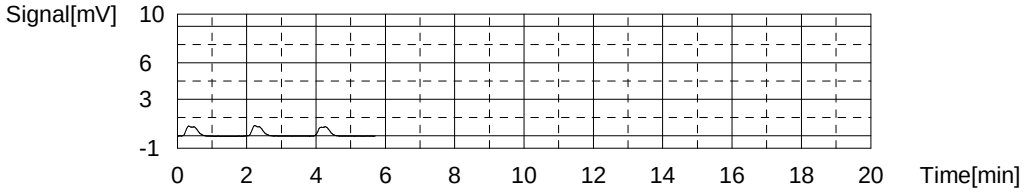
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5246mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.736	0.5599mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:57:54 AM
2	1.657	0.5134mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:59:57 AM
3	1.635	0.5005mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:02:01 AM

Mean Area 1.676
Mean Conc. 0.5246mg/L



Sample

Sample Name: 680-62288-e-37
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

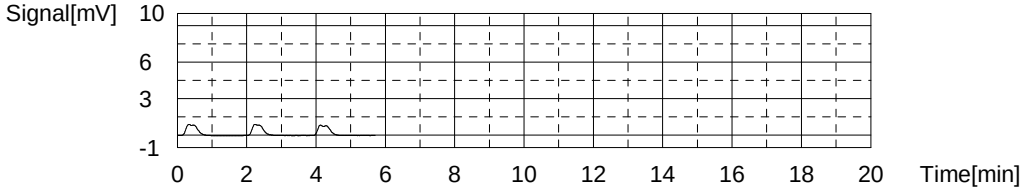
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6698mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.980	0.7033mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:12:17 AM
2	1.883	0.6463mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:14:21 AM
3	1.906	0.6598mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:16:24 AM

Mean Area 1.923
Mean Conc. 0.6698mg/L



Sample

Sample Name: 680-62288-e-38
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

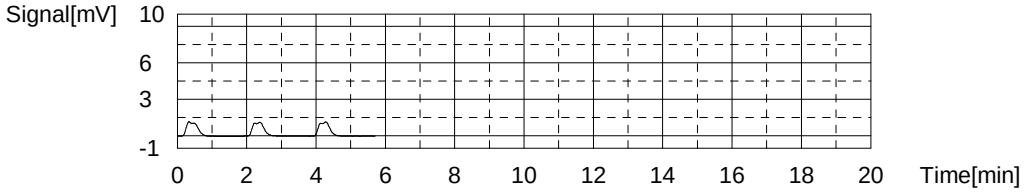
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.011mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.558	1.043mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:26:39 AM
2	2.409	0.9555mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:28:42 AM
3	2.541	1.033mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:30:46 AM

Mean Area 2.503
Mean Conc. 1.011mg/L



Sample

Sample Name: 680-62288-e-39
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

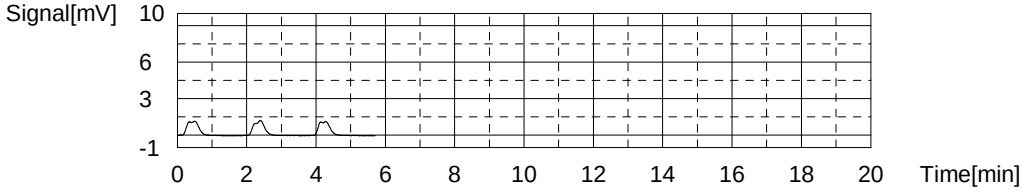
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.068mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.653	1.099mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:41:01 AM
2	2.596	1.065mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:43:05 AM
3	2.550	1.038mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:45:08 AM

Mean Area 2.600
Mean Conc. 1.068mg/L



Sample

Sample Name: 680-62288-e-40
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

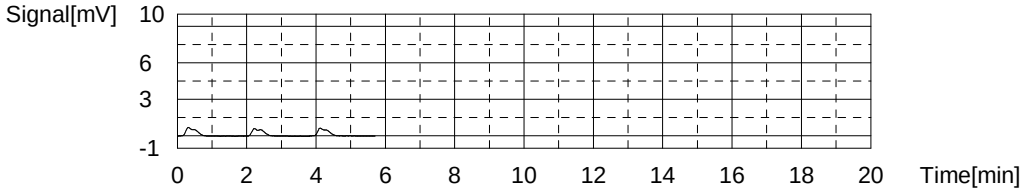
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3177mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.393	0.3582mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:55:23 AM
2	1.315	0.3124mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:57:26 AM
3	1.264	0.2824mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:59:30 AM

Mean Area 1.324
Mean Conc. 0.3177mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD6-24
Origin: TOC415.1A.met
Status Completed
Chk. Result

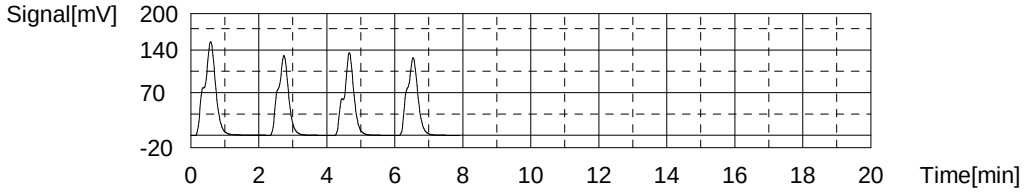
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:191.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	358.4	210.2mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/21/2010 2:10:04 AM
2	281.2	193.2mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/21/2010 2:12:08 AM
3	277.5	190.7mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/21/2010 2:14:11 AM
4	278.7	191.5mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/21/2010 2:16:14 AM

Mean Area 279.1
Mean Conc. 191.8mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

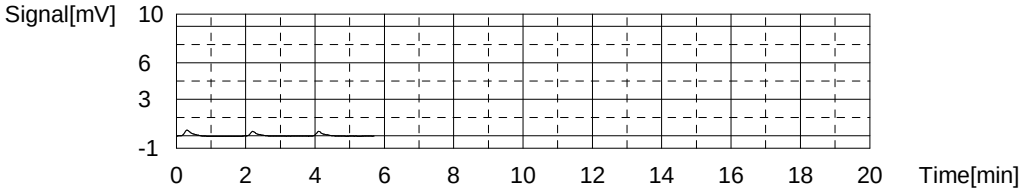
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1226mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6868	-0.05694mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 2:26:28 AM
2	0.5066	-0.1629mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 2:28:31 AM
3	0.5320	-0.1479mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 2:30:34 AM

Mean Area	0.5751
Mean Conc.	-0.1226mg/L



	Sample Name	Sample ID	Dilutio	Result	Status	Date / Time	Vial
1	cal10		1.000		Completed	10/6/2010 3:22:40 PM	1, 2, 4, 5
2	cal100		1.000		Completed	10/6/2010 4:02:46 PM	2, 5, 6, 7
3	cal500		1.000		Completed	10/6/2010 4:42:50 PM	3, 7, 8, 9
4	cal10		1.000		Completed	10/7/2010 12:26:36 PM	1, 2, 3, 4
5	ICV		1.000	NPOC:399.1mg/L	Completed	10/7/2010 12:49:42 PM	10
6	ICB		1.000	!!Failed!! NPOC:-0.1822mg/L	Completed	10/7/2010 1:04:03 PM	11

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

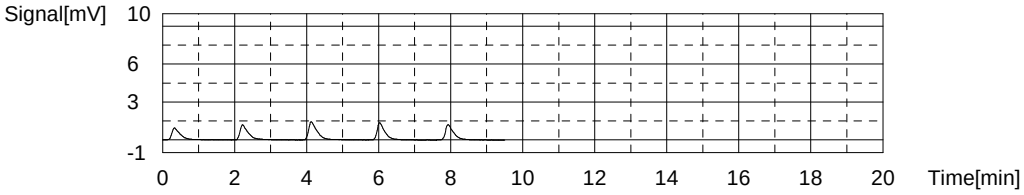
Sample Name:	cal10
Sample ID:	
Cal. Curve:	cal10.2010_10_06_14_37_43.cal
Status	Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.406	50uL	1	*******	E	10/6/2010 2:42:40 PM
2	1.829	50uL	1	*******		10/6/2010 2:44:43 PM
3	2.270	50uL	1	*******	E	10/6/2010 2:46:46 PM
4	1.949	50uL	1	*******		10/6/2010 2:48:49 PM
5	1.848	50uL	1	*******		10/6/2010 2:50:52 PM

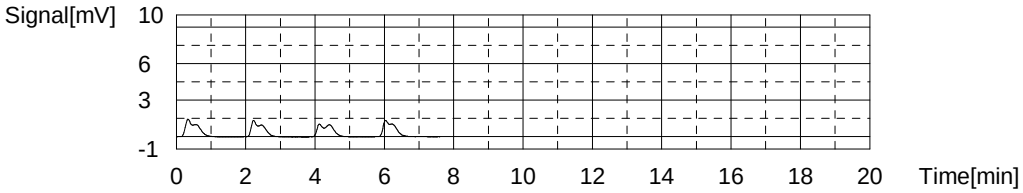
Acid Add.	0.000%
Sp. Time	0.000sec
Mean Area	1.875



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	3.285	50uL	1	*******	E	10/6/2010 2:56:38 PM
2	3.004	50uL	1	*******		10/6/2010 2:58:40 PM
3	2.943	50uL	1	*******		10/6/2010 3:00:43 PM
4	2.993	50uL	1	*******		10/6/2010 3:02:46 PM

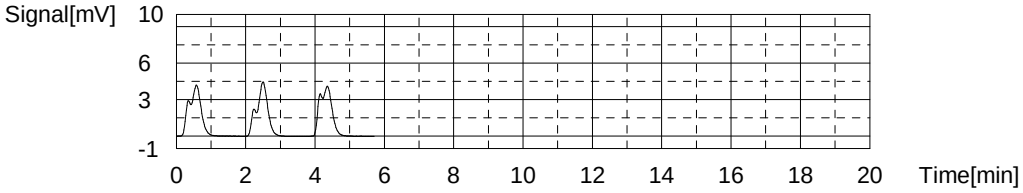
Acid Add.	0.000%
Sp. Time	0.000sec
Mean Area	2.980



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	10.03	50uL	1	*******		10/6/2010 3:08:37 PM
2	9.939	50uL	1	*******		10/6/2010 3:10:40 PM
3	10.17	50uL	1	*******		10/6/2010 3:12:43 PM

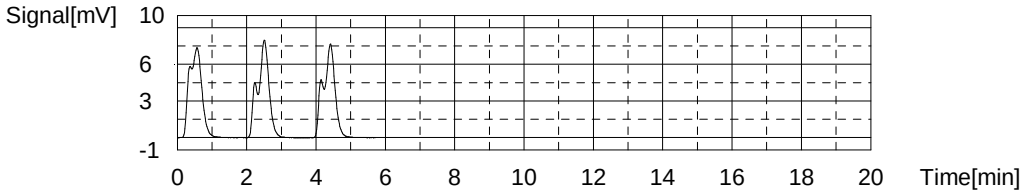
Acid Add.	0.000%
Sp. Time	0.000sec
Mean Area	10.05



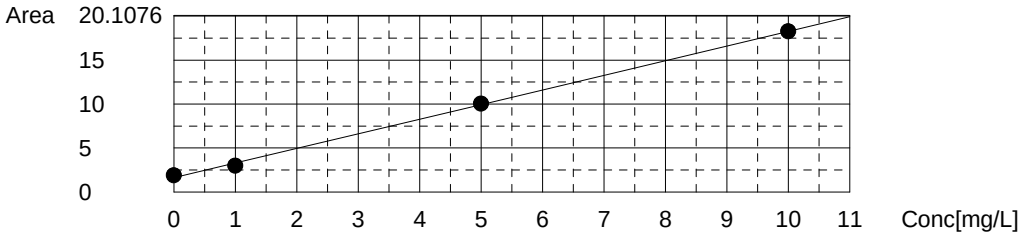
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	18.45	50uL	1	*******		10/6/2010 3:18:34 PM
2	18.23	50uL	1	*******		10/6/2010 3:20:37 PM
3	18.12	50uL	1	*******		10/6/2010 3:22:40 PM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 18.27



Slope: 1.665
Intercept 1.634
r^2 0.999024
r 0.999512
Zero Shift No



Cal. Curve

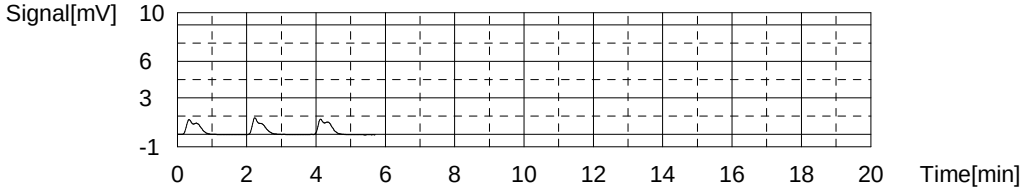
Sample Name: cal100
Sample ID:
Cal. Curve: cal100a.2010_10_06_15_22_41.cal
Status Completed

Type	Anal.
Standard	TC

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.804	50uL	1	*******		10/6/2010 3:28:47 PM
2	2.853	50uL	1	*******		10/6/2010 3:30:50 PM
3	2.930	50uL	1	*******		10/6/2010 3:32:53 PM

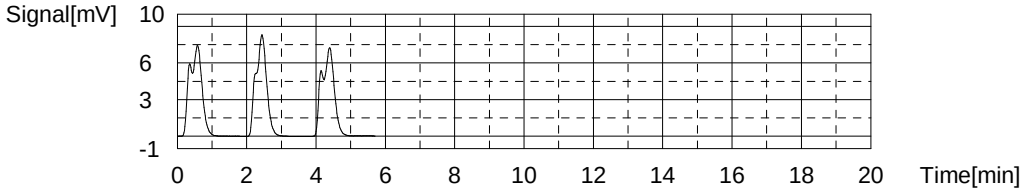
Acid Add. 0.000%
Mean Area 2.862



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	18.42	50uL	1	*******		10/6/2010 3:38:46 PM
2	18.05	50uL	1	*******		10/6/2010 3:40:49 PM
3	18.00	50uL	1	*******		10/6/2010 3:42:51 PM

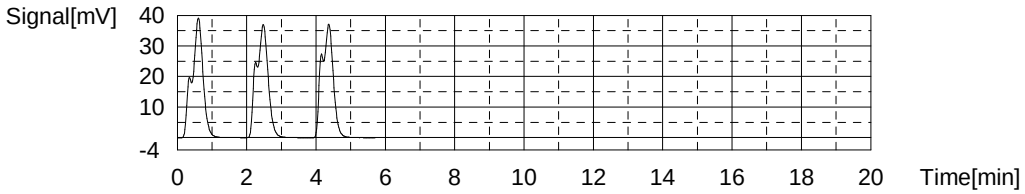
Acid Add. 0.000%
Mean Area 18.16



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	87.50	50uL	1	*******		10/6/2010 3:48:43 PM
2	88.05	50uL	1	*******		10/6/2010 3:50:46 PM
3	86.23	50uL	1	*******		10/6/2010 3:52:49 PM

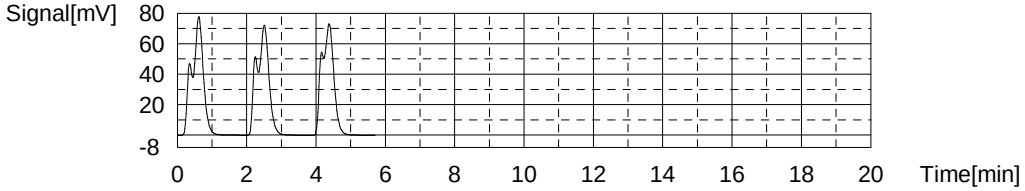
Acid Add. 0.000%
Mean Area 87.26



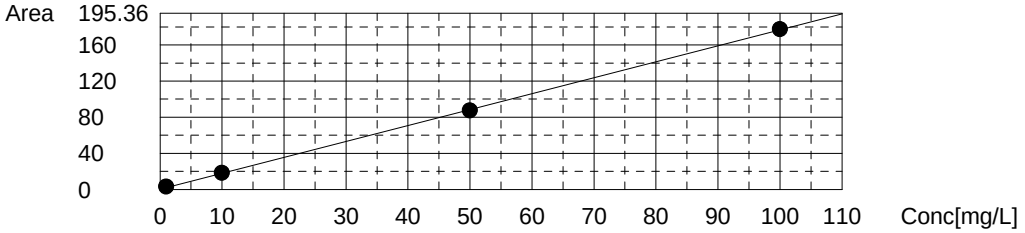
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	179.0	50uL	1	*******		10/6/2010 3:58:41 PM
2	177.8	50uL	1	*******		10/6/2010 4:00:43 PM
3	176.0	50uL	1	*******		10/6/2010 4:02:46 PM

Acid Add. 0.000%
Mean Area 177.6



Slope: 1.765
Intercept 0.4438
r^2 0.999847
r 0.999924
Zero Shift No



Cal. Curve

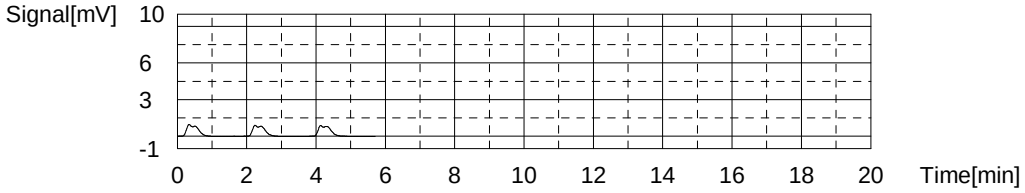
Sample Name: cal500
Sample ID:
Cal. Curve: cal500a.2010_10_06_16_02_46.cal
Status Completed

Type	Anal.
Standard	NPOC

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.127	40uL	1	*******		10/6/2010 4:08:52 PM
2	2.100	40uL	1	*******		10/6/2010 4:10:55 PM
3	2.073	40uL	1	*******		10/6/2010 4:12:58 PM

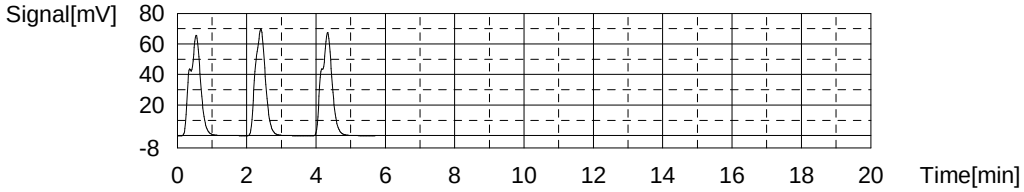
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 2.100



Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	141.1	40uL	1	*******		10/6/2010 4:18:50 PM
2	141.2	40uL	1	*******		10/6/2010 4:20:53 PM
3	140.6	40uL	1	*******		10/6/2010 4:22:56 PM

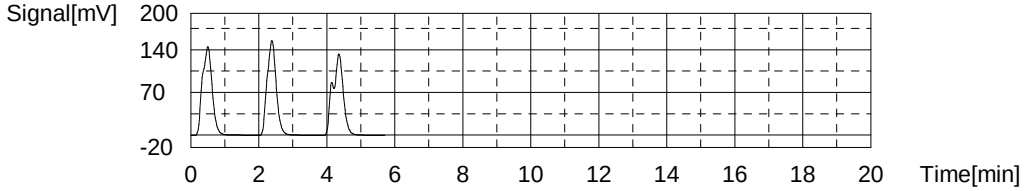
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 141.0



Conc: 200.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	288.9	40uL	1	*******		10/6/2010 4:28:47 PM
2	288.1	40uL	1	*******		10/6/2010 4:30:50 PM
3	287.7	40uL	1	*******		10/6/2010 4:32:53 PM

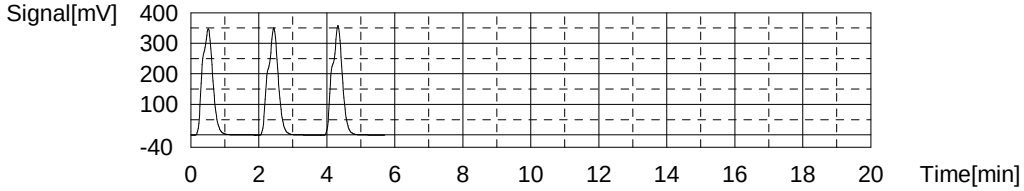
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 288.2



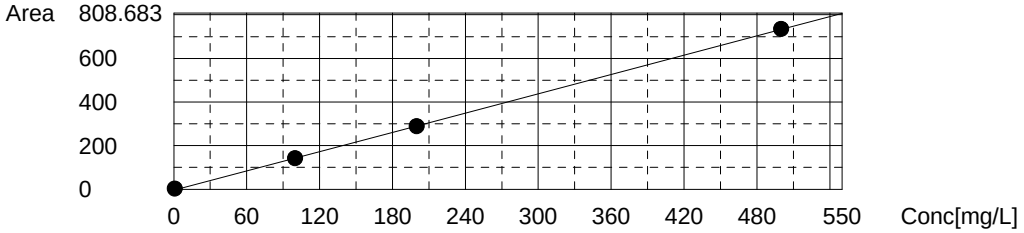
Conc: 500.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	733.8	40uL	1	*******		10/6/2010 4:38:44 PM
2	734.4	40uL	1	*******		10/6/2010 4:40:47 PM
3	737.3	40uL	1	*******		10/6/2010 4:42:50 PM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 735.2



Slope: 1.474
Intercept -3.512
r^2 0.999875
r 0.999938
Zero Shift No



Cal. Curve

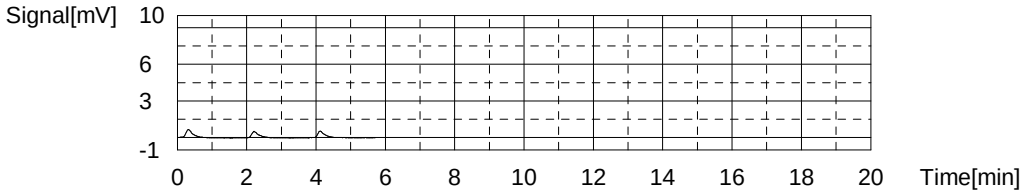
Sample Name: cal10
Sample ID:
Cal. Curve: cal10.2010_10_07_11_47_38.cal
Status Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.8739	50uL	1	*******		10/7/2010 11:52:36 AM
2	0.7139	50uL	1	*******		10/7/2010 11:54:39 AM
3	0.7065	50uL	1	*******		10/7/2010 11:56:42 AM

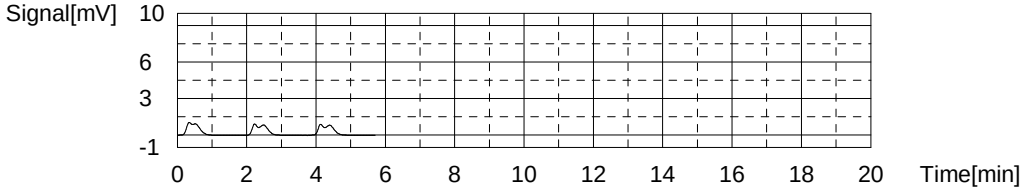
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 0.7648



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.467	50uL	1	*******		10/7/2010 12:02:34 PM
2	2.437	50uL	1	*******		10/7/2010 12:04:37 PM
3	2.345	50uL	1	*******		10/7/2010 12:06:40 PM

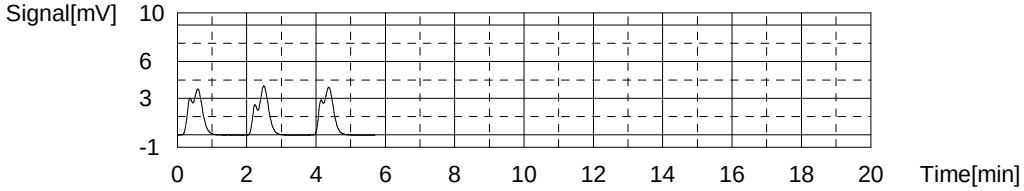
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 2.416



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	9.534	50uL	1	*******		10/7/2010 12:12:32 PM
2	9.425	50uL	1	*******		10/7/2010 12:14:35 PM
3	9.389	50uL	1	*******		10/7/2010 12:16:38 PM

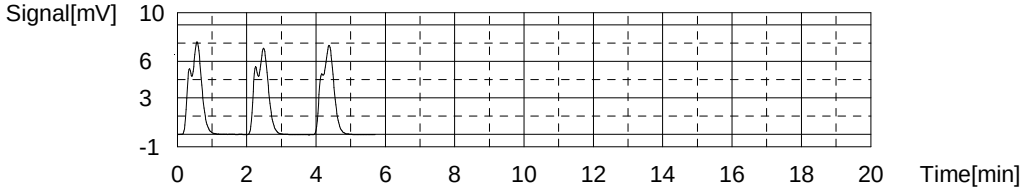
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 9.449



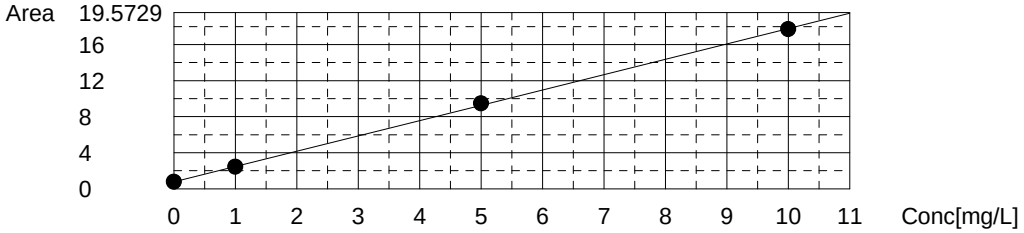
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	17.72	50uL	1	*******		10/7/2010 12:22:30 PM
2	17.82	50uL	1	*******		10/7/2010 12:24:33 PM
3	17.62	50uL	1	*******		10/7/2010 12:26:36 PM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 17.72



Slope: 1.701
Intercept 0.7837
r^2 0.999798
r 0.999899
Zero Shift No



Sample

Sample Name: ICV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

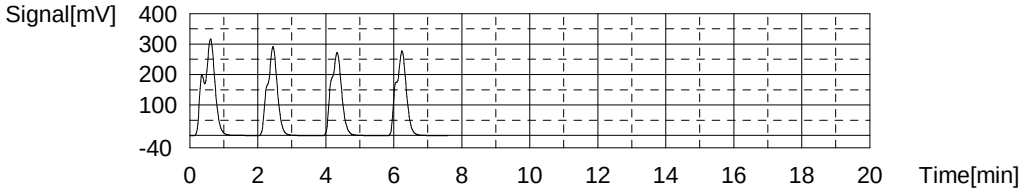
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:399.1mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	742.6	436.1mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/7/2010 12:43:32 PM
2	589.4	402.3mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/7/2010 12:45:35 PM
3	583.0	398.0mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/7/2010 12:47:39 PM
4	581.6	397.0mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/7/2010 12:49:42 PM

Mean Area 584.7
Mean Conc. 399.1mg/L



Sample

Sample Name: ICB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

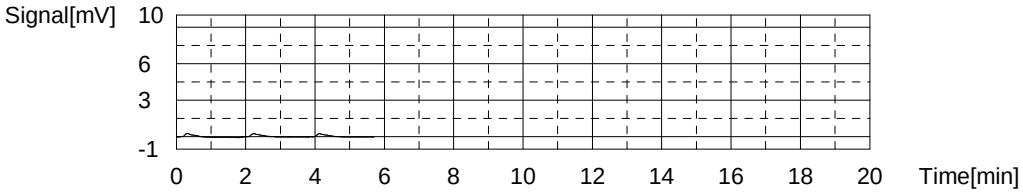
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1822mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4763	-0.1807mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/7/2010 12:59:57 PM
2	0.4807	-0.1781mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/7/2010 1:02:00 PM
3	0.4643	-0.1877mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/7/2010 1:04:03 PM

Mean Area 0.4738
Mean Conc. -0.1822mg/L



General Chemistry Worksheet

Batch Number: 680-183145
Method: Moisture
Analyst: Swafford, Frances

Date Open: Oct 17 2010 1:49PM
Batch End: Oct 18 2010 4:02PM

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
680-61976-D-2			T	NA	1.27 g	12.27 g	11.55 g
680-62145-A-1	WC-B82-GTM-05	Moisture	T	NA	1.26 g	12.02 g	10.05 g
680-62068-D-1			T	NA	1.27 g	12.99 g	11.55 g
680-62068-D-2			T	NA	1.27 g	11.73 g	10.76 g
680-62068-D-3			T	NA	1.27 g	12.74 g	10.34 g
680-62068-D-4			T	NA	1.27 g	11.33 g	10.46 g
680-62080-E-44			T	NA	1.27 g	11.41 g	10.26 g
680-62080-E-49			T	NA	1.27 g	12.05 g	10.69 g
680-62092-A-1			T	NA	1.27 g	14.49 g	13.13 g
680-62092-A-2			T	NA	1.27 g	11.61 g	10.63 g
680-62092-B-3			T	NA	1.27 g	11.85 g	9.55 g
680-62092-A-4			T	NA	1.27 g	12.90 g	11.90 g
680-62092-A-5			T	NA	1.26 g	11.72 g	9.49 g
680-62092-A-6			T	NA	1.27 g	12.11 g	11.11 g
680-62092-A-7			T	NA	1.27 g	12.68 g	10.24 g
680-62092-A-8			T	NA	1.26 g	13.60 g	12.65 g
680-62016-A-1			T	NA	1.27 g	9.93 g	9.85 g
680-62001-B-1			T	NA	1.27 g	13.76 g	12.16 g
680-62001-A-2			T	NA	1.27 g	13.87 g	12.01 g

Balance ID:	19 No Unit
Date samples were place in the oven:	10.17.10
Time samples were place in the oven:	13:49
Oven Temp when samples are put in oven:	110 Degrees C
Date samples were removed from oven:	10/18/10
Time Samples were removed from oven:	16:02
Oven Temp when samples removed from oven:	107 Degrees C
Oven ID:	MEO 1
ID number of the thermometer:	ME02-A

General Chemistry Worksheet

Batch Number: 680-183618
Method: 9060
Analyst: Blackshear, Kim

Date Open: Oct 20 2010 11:52AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	TOC CALSTK_00012	TOC LCS_00043
MB~680-183618/1		9060A		25 mL	25		
LCS~680-183618/2		9060A		25 mL	25		25 mL
680-62145-A-2	WC-B82-GP-01	9060A	T	25 mL	25		
460-17986-D-1			T	25 mL	25		
460-17986-D-2			T	25 mL	25		
460-17986-D-3			T	25 mL	25		
460-17986-D-4			T	25 mL	25		
460-17986-D-5			T	25 mL	25		
460-18215-D-1			T	25 mL	25		
460-18215-D-3			T	25 mL	25		
460-18215-D-4			T	25 mL	25		
460-18215-D-5			T	25 mL	25		
680-62297-B-3			T	25 mL	25		
680-62297-B-4			T	25 mL	25		
680-62297-B-5			T	25 mL	25		
680-62297-B-5~DU		9060A	T	25 mL	25		
680-62308-E-1			T	25 mL	25		
680-62308-E-1~MS		9060A	T	25 mL	25	0.25 mL	
680-62308-E-1~MSD		9060A	T	25 mL	25	0.25 mL	
680-62308-E-2			T	25 mL	25		
680-62308-E-3			T	25 mL	25		

HCl Vendor: Mallinckrodt
Lot # of hydrochloric acid: 50% HCl-0006

General Chemistry Worksheet

Batch Number: 680-183618
Method: 9060
Analyst: Blackshear, Kim

Date Open: Oct 20 2010 11:52AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-183618/1		9060A		
LCS~680-183618/2		9060A		
680-62145-A-2	WC-B82-GP-01	9060A	T	
460-17986-D-1			T	
460-17986-D-2			T	
460-17986-D-3			T	
460-17986-D-4			T	
460-17986-D-5			T	
460-18215-D-1			T	
460-18215-D-3			T	
460-18215-D-4			T	
460-18215-D-5			T	
680-62297-B-3			T	
680-62297-B-4			T	
680-62297-B-5			T	
680-62297-B-5~DU		9060A	T	
680-62308-E-1			T	
680-62308-E-1~MS		9060A	T	
680-62308-E-1~MSD		9060A	T	
680-62308-E-2			T	
680-62308-E-3			T	

Batch Comment: na

Chain Of Custody Form

TA-6A

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 1.3
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: 106-2282 Proj. Name: NAS SOWEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 68000 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
WC-B82-GTM-05	10/7/10	1600	RCRA 8 Metals		X						S	1	g		68000-1
⊥	⊥	⊥	TCLP RCRA 8 - Hold		X						S	1	g		
WC-B82-GP-01	10/8/10	1345	RCRA 8 Metals			X					GW	1	pl		-2
			TCLP RCRA 8 - Hold		X						⊥	1	pl		
⊥	⊥	⊥	TOC				X					2	g		

Received By: Time: Date:
Received By: UPS Time: 1608 Date: 10/12/10
Received By: Bryan Doughty Time: 1040 Date: 10.13.10
Relinquished By Sampler: Time: Date:
Relinquished By: Lisa Trufflet UPS
Relinquished By: UPS

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒
*Fee may apply; lab approval required

Comments / Instructions:

Please reference Station ID number and AEL Lab number on report(s).

Method Type: (RCRA) NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☒ DOD* ☒ Level IV*
☐ Standard

State:
☐ NH
☒ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required: (Y*) N
Type: TTEC EDD

Page 1 of 1

Analytics\AEL Documents\AEL COC

680-62145

CHAIN OF CUSTODIES

TETRA TECH ~~NUS, INC.~~ ECINC.

CHAIN OF COSTODY

NUMBER № 027611

PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
106-2282	NAS SOWEY	BRIAN CORBETT	617-443-7500	ANALYTICS
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS 195 COMMERCE WAY SUITE E
RCLaydon		RICHARD CLAYDON	857-272-2020	
		CARRIER/WAYBILL NUMBER		CITY, STATE PORTSMOUTH, NH 03801

STANDARD TAT ☑
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	VOC	METALS	PCBs	TCLP	TPH	VOC	SVOC/PEST	TOC	PH/REACT/FLASH	68000 COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G	G	G	G	G	G	G	P	
PRESERVATIVE USED									MeOH	4°C	4°C	4°C	HCl	4°C	H_2SO_4	4°C		
10/7	1600	WC-B82-GTM-05	–	–	–	SO	C	5	✓	✓	–	✓						HOLD TCLP -1
10/8	1345	WC-B82-GP-01*	–	–	–	W	C		✓	✓	✓	✓	✓	✓	✓	✓		HOLD TCLP -2
		TRIP BLANK				AQ	N/A	1										-3
		TRIP BLANK				S	N/A	1										-4 ~~-3~~ ~~-4~~ CP 10/8/10

CP 10/8/10

*client added specific conductance analysis -email 10/13/10 B. Corbett

1. RELINQUISHED BY	DATE	TIME	1. RECEIVED BY	DATE	TIME
RCLaydon	10/8/10	1423	[signature]	10/08/10	14:23
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS
All amber liters (–) for clusing KI paper. Metals pH of AQ = 2.0 and TPH amber liter = 2.0 CP 10/8/10
Cooler temp = 2.0°C

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 68000 COOLER NUMBER: _____

CLIENT: TTEC NUMBER OF COOLERS: 1

PROJECT: NAS Sonley DATE RECEIVED: 10/8/10

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 10/8/10

1. Cooler received by(initials): IA Date Received: 10/8/10

2. Circle one: Hand delivered (If so, skip 3) Shipped

3. Did cooler come with a shipping slip? Y N/A

3a. Enter carrier name and airbill number here: _____

4. Were custody seals on the outside of cooler? Y N
How many & where: _____ Seal Date: _____ Seal Name: _____

5. Did the custody seals arrive unbroken and intact upon arrival? Y N/A

6. COC#: NO. 027611

7. Were Custody papers filled out properly (ink,signed, etc)? Y N

8. Were custody papers sealed in a plastic bag? Y N

9. Did you sign the COC in the appropriate place? Y N

10. Was the project identifiable from the COC papers? Y N

11. Was enough ice used to chill the cooler? Y N Temp. of cooler: 2.0°

B. Log-In: Date samples were logged in: 10/8/10 By: CP

12. Type of packing in cooler(bubble wrap, popcorn) Y N

13. Were all bottles sealed in separate plastic bags? Y N

14. Did all bottles arrive unbroken and were labels in good condition? Y N

15. Were all bottle labels complete(ID,Date,time,etc.) Y N

16. Did all bottle labels agree with custody papers? Y N

17. Were the correct containers used for the tests indicated: Y N

18. Were samples received at the correct pH? TPH AQ = 2.0, Metals AQ = 2.0 Y N

19. Was sufficient amount of sample sent for the tests indicated? Y N

20. Were bubbles absent in VOA samples? Y N

If NO, List Sample ID's and Lab #s: All 4 VOA's for 8260 have larger than pea-size bubbles due to sediment

21. Laboratory labeling verified by (initials): mg Date: 10810

Chain Of Custody Form

TA-6A

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: 106-2282 Proj. Name: NAS SOWEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 68000 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
WC-B82-GTM-05	10/7/10	1600	RCRA 8 Metals		X						S	1	g		68000-1
⊥	⊥	⊥	TCLP RCRA 8 - Hold		X						S	1	g		
WC-B82-GP-01	10/8/10	1345	RCRA 8 Metals			X					GW	1	pl		-2
⊥	⊥	⊥	TCLP RCRA 8 - Hold		X						⊥	1	pl		
			TOC				X					2	g		

Received By: Time: Date:
Received By: Time: 16:08 Date: 10/12/10
Received By: Time: Date:

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒
*Fee may apply; lab approval required

Comments / Instructions:

Please reference Station ID number and AEL Lab number on report(s).

Method Type: (RCRA) NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☒ DOD* ☒ Level IV*
☐ Standard

State:
☐ NH
☒ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)

EDD Required: (Y*) N
Type: TTEC EDD

Relinquished By Sampler:
Relinquished By: Lisa Tantfed
Relinquished By:

Analytics\AEL Documents\AEL COC

Page 1 of 1

From: "Corbett, Brian" <Brian.Corbett@tetratech.com>
Subject: **RE: So Weymouth / waste characterization samples (68000)**
Date: October 13, 2010 12:21:49 PM EDT
To: Kate Zaleski <kzaleski@analyticslab.com>
Cc: "Craigie, Keir" <Keir.Craigie@tetratech.com>

yes please...please add this to COC thanks

Brian D. Corbett I Project Manager
Direct: 617.443.7517 Cell: 617.470.8651
brian.corbett@tteci.com

Tetra Tech EC I Engineering
160 Federal Street, 3rd floor I Boston, MA 02110 I www.tetratech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.
Think Green - Not every email needs to be printed.

-----Original Message-----
From: Kate Zaleski [mailto:kzaleski@analyticslab.com]
Sent: Tuesday, October 12, 2010 4:11 PM
To: Corbett, Brian
Subject: So Weymouth / waste characterization samples (68000)

Hi Brian,
I was reviewing the login for the samples we received on Fri (I emailed you the COC on Fri) and I discovered that Richard did not request specific conductance on the COC. Would you like the analysis? We have a bottle for it, as I included it in the bottle order since it's in the contract and you and I discussed it on the phone; however, it was not requested. Let me know.

Thanks,
Kate

Kate Zaleski
Project Manager
Analytics Environmental Lab, LLC
195 Commerce Way, Suite E
Portsmouth, NH 03801
phone: (603) 436-5111
fax: (603) 430-2151
kzaleski@analyticslab.com

ANALYTICAL REPORT

Job Number: 680-62043-2

SDG Number: 67967

Job Description: NAS SOWEY 106-2282

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
12/7/2010 5:01 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
12/07/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-2
Sdg Number: 67967

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010B	
TCLP Extraction	TAL SAV		SW846 1311
Preparation, Total Metals	TAL SAV		SW846 3010A

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-2
Sdg Number: 67967

Method	Analyst	Analyst ID
SW846 6010B	Bland, Brian	BCB

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-2
Sdg Number: 67967

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-62043-4	WC-B82-GTM-02	Solid	10/06/2010 0740	10/08/2010 0950

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-2
Sdg Number: 67967

Client Sample ID: **WC-B82-GTM-02**

Lab Sample ID: 680-62043-4
Client Matrix: Solid

Date Sampled: 10/06/2010 0740
Date Received: 10/08/2010 0950

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 680-188204		Instrument ID:	ICPD
Preparation:	3010A	Prep Batch: 680-187799		Lab File ID:	12610.chr
Dilution:	1.0	Leachate Batch: 680-187465		Initial Weight/Volume:	5 mL
Date Analyzed:	12/06/2010 2156			Final Weight/Volume:	50 mL
Date Prepared:	12/02/2010 1750				
Date Leached:	11/29/2010 1700				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Lead		0.20	U	0.20	0.20

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-2
Sdg Number: 67967

Lab Section	Qualifier	Description
Metals		
	U	Undetected at the Limit of Detection.

Chain Of Custody Form

TA - GA

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Lab Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: 106-2282 Proj. Name: NAS-SOWEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO#67967 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type	pH	Analytics Sample #
WC-B82-DC-01	10/6/10	715	RCRA 8 Metals/Sp. Cond. /TOC		X						S	3 G		67967 -1
WC-B82-APN-01		720	RCRA 8 Metals/Sp. Cond. /TOC		X						S	G		-2
WC-B82-GTM-01		730	RCRA 8 Metals/Sp. Cond. /TOC		X						S	G		-3
WC-B82-GTM-02		740	RCRA 8 Metals/Sp. Cond. /TOC		X						S	G		-4

KB 10/7/10

Received By: | Time: | Date:
Relinquished By Sampler: | Time: | Date:

Received By: GS Time: 5:00 Date: 10/7/10
Relinquished By: GS

Received By: Frances Griffin Time: 09:50 Date: 10/8/10
Relinquished By:

Email Results to:
mgulli@analyticslab.com
cpayne@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒ 10 Days 10/20/10
*Fee may apply; lab approval required

Comments / Instructions:

Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☐ DOD* ☒ Level IV*
☐ Standard

State:
☐ NH
☒ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required: Y* N
Type: TTEC EDD

Analytics\AEL Documents\AEL COC

Page 1 of 1

3.1
680-62043 62043

12/07/2010

ANALYTICAL REPORT

Job Number: 680-62145-2

SDG Number: 68000

Job Description: 106-2282 NAS SOWEY

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
12/7/2010 3:09 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
12/07/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-2
Sdg Number: 68000

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010B	
TCLP Extraction	TAL SAV		SW846 1311
Preparation, Total Metals	TAL SAV		SW846 3010A

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-2
Sdg Number: 68000

Method	Analyst	Analyst ID
SW846 6010B	Bland, Brian	BCB

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-2
Sdg Number: 68000

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-62145-1	WC-B82-GTM-03	Solid	10/07/2010 1600	10/13/2010 1040

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-2
Sdg Number: 68000

Client Sample ID: **WC-B82-GTM-03**

Lab Sample ID: 680-62145-1
Client Matrix: Solid

Date Sampled: 10/07/2010 1600
Date Received: 10/13/2010 1040

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 680-183400		Instrument ID:	ICPD
Preparation:	3010A	Prep Batch: 680-183180		Lab File ID:	183180.chr
Dilution:	1.0	Leachate Batch: 680-183026		Initial Weight/Volume:	5 mL
Date Analyzed:	10/19/2010 0447			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2010 1029				
Date Leached:	10/14/2010 1540				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chromium		0.20	U	0.20	0.20
Lead		7.3		0.20	0.20

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-2
Sdg Number: 68000

Lab Section	Qualifier	Description
Metals		
	U	Undetected at the Limit of Detection.

Chain Of Custody Form

TA-6A

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 1.3
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: 106-2282 Proj. Name: NAS SOWEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 68000 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
WC-B82-GTM-05	10/7/10	1600	RCRA 8 Metals		X						S	1	g		68000-1
⊥	⊥	⊥	TCLP RCRA 8 - Hold		X						S	1	g		
WC-B82-GP-01	10/8/10	1345	RCRA 8 Metals			X					GW	1	pl		-2
⊥	⊥	⊥	TCLP RCRA 8 - Hold		X						⊥	1	pl		
			TOC				X					2	g		

Preservation

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒
*Fee may apply; lab approval required

Comments / Instructions:

Please reference Station ID number and AEL Lab number on report(s).

Method Type: (RCRA) NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☒ DOD* ☒ Level IV*
☐ Standard

State:
☐ NH
☒ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required: (Y*) N
Type: TTEC EDD

	Relinquished By Sampler:	Relinquished By:	Received By:
Date:		Date: 10/12/10	Date: 10.13.10
Time:		Time: 1608	Time: 1040
		Relinquished By: UPS	Received By: Ruth Gaughey
			Received By: UPS

Page 1 of 1

680-62145

Analytics\AEL Documents\AEL COC

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67494

Analysis Summary:

TAL Metals	2/Soil Samples/FDS-6, FDS-5
VOCs/VPH/EPH Parameters	6/Soil Samples/MW200-1, MW200-2, MW200-3,MW200-4, FDS-6, FDS-5,
Pesticides	1/Soil Sample/FDS-5

A Tier II data validation was performed on the analytical data for six (6) soil samples collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of these samples was to determine the nature and extent of metals, VPH, EPH and pesticide contamination in the FDS area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH except for the metals analyses which were performed by TestAmerica Savannas of Savannah, GA under subcontract to Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
*	Initial and Continuing Calibrations
	Blank Samples
*	Surrogate Compounds
*	Internal Standards
NA	Field Duplicate Samples
	Laboratory Control Samples
*	Laboratory Duplicate Samples
	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

The parameters include the following methods:

Soil Analytical Parameters:

Pesticides SW-846 Method 8081A

Laboratory Project No. 67494

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals, VPH, EPH and pesticide contamination in the FDS area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for the project objectives as qualified in the tables below.

Metals Analysis

Blanks

Laboratory batch blank samples had detections for cobalt (0.121 mg/kg) and an instrument blank had detections for beryllium (0.230 ug/L). The positive results for cobalt and beryllium are significantly above the blank contamination levels and no qualifications are required.

Matrix Spikes

The matrix spike samples had high recoveries for aluminum, iron, calcium, magnesium and manganese. The post digestion spike had low recoveries for aluminum and iron. The sample concentrations for aluminum, calcium, and iron are significantly higher than the spike amounts. The sample concentrations for magnesium and manganese are 3 times or more the spike amounts. Sample results for magnesium and manganese should be qualified as estimated (J) due to the potential high bias in the reported results.

Pesticides Analysis

Matrix Spikes

The percent difference between the matrix spike and the matrix spike duplicate samples is greater than 35% for the spiked pesticide compounds. The non-detect results for all of the pesticide compounds reported are qualified as estimated (J) due to poor precision between the matrix spike samples.

VOCs

Blanks

The trip blank sample had detections for methylene chloride (14 ug/kg). The positive result in sample FDS-6 is qualified as non-detect due to the potential false positive from blank contamination.

Laboratory control samples

Laboratory Project No. 67494

One laboratory control sample had high recoveries for methyl ethyl ketone (133%) and naphthalene (133%). None of the field samples had positive reported results for methyl ethyl ketone or naphthalene and no qualifications are required.

Summary

The Tier II data validation of the analytical data from Laboratory Project No. 67494 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2010
Building 82
Data Validation Report

Laboratory Project No. 67495

Analysis Summary:

TAL Metals	4/Soil Samples/FDS4-1, FDS4-2, FDS4-3, FDS4-4 1/Field Duplicate/FDS4-3-D

A Tier II data validation was performed on the analytical data for four (4) soil samples and one (1) field duplicate sample collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of these samples was to determine the nature and extent of metals contamination in the FDS area of the site. The analyses were performed by TestAmerica Savannas of Savannah, GA under subcontract to Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
*	Initial and Continuing Calibrations
	Blank Samples
*	Field Duplicate Samples
*	Laboratory Control Samples
*	Laboratory Duplicate Samples
	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals contamination in the FDS area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for the project objectives as qualified in the tables below.

TAL Metals Analysis

Laboratory Project No. 67495

Blanks

A laboratory batch blank samples had detections for cobalt (0.121 mg/kg) and an instrument blank had detections for beryllium (0.230 ug/L). The positive results for cobalt and beryllium are significantly above the blank contamination levels and no qualifications are required.

Matrix Spikes

The matrix spike samples had high recoveries for aluminum, iron, calcium, magnesium and manganese. The post digestion spike had low recoveries for aluminum and iron. The sample concentrations for aluminum, calcium, and iron are significantly higher than the spike amounts. The sample concentrations for magnesium and manganese are 3 times or more the spike amounts. Sample results for magnesium and manganese should be qualified as estimated (J) due to the potential high bias in the reported results.

Summary

The Tier II data validation of the analytical data from Laboratory Project No. 67495 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67514
Analysis Summary:

VPH/EPH	2/Soil Samples/LRA-6-A, LRA-10-A
	1/Aqueous Trip Blank Sample/Trip Blank

A Tier II data validation was performed on the analytical data for two (2) soil samples and one (1) aqueous trip blank sample collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of these samples was to determine the nature and extent of extractable petroleum hydrocarbons (EPH) and volatile petroleum hydrocarbons (VPH) contamination in the LRA area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against state of Massachusetts EPH and VPH method QC criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
*	Initial and Continuing Calibrations
*	Blank Samples
	Surrogate Compounds
*	Internal Standards
NA	Field Duplicate Samples
*	Laboratory Control Samples
*	Laboratory Duplicate Samples
	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to evaluate the suitability for disposal of soil removed from NAS-SOWEY Building 82. The data may also be used to determine the nature and extent of extractable petroleum hydrocarbons (EPH) and volatile petroleum hydrocarbons (VPH) contamination in the LRA area of the site. Overall, the data is useable for the project objectives as qualified below.

VPH Analysis

Surrogates

The surrogates in sample LRA-6-A were recovered low (FID = 67%, PID = 64%). The results for positive and non-detect results in sample LRA-6-A are qualified as estimated (J) due to potential low bias in the reported concentrations.

Matrix Spikes

The matrix spike samples had high recoveries for pentane (141%, 139%), 2-methylpentane (135%), n-decane (135%), C5-C8 aliphatics (134%) and c9-c12 aliphatics (133%). The positive result for c9-c18 aliphatics in sample LRA-6-A is qualified as estimated due to the potential high bias in the reported concentration.

EPH Analysis

No quality control issues identified.

Summary

The Tier II data validation of the analytical data from Laboratory Project No. 67514 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67722

Analysis Summary:

Metals/VOCs/VPH/EPH	3/Soil Samples/IV-B82-GTM1-01, IV-B82-GTM2-01, IV-B82-GTM3-01 1/Field Duplicate/IV-B82-GTM3-11 1/Trip Blank/Trip Blank (VOCs only)

A Tier II data validation was performed on the analytical data for three (3) soil samples, one (1) field duplicate sample and one (1) trip blank sample collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of these samples was to determine the nature and extent of metals contamination in the Building 82 area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH except for the metals analyses which were performed by TestAmerica Savannas of Savannah, GA under subcontract to Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
	Initial and Continuing Calibrations
*	Blank Samples
	Field Duplicate Samples
	Laboratory Control Samples
*	Laboratory Duplicate Samples
	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals contamination in the Building 82 area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for the project objectives as qualified in the tables below.

Laboratory Project No. 67722

Metals Analysis

Matrix Spikes

The matrix spike samples had low recoveries for aluminum, iron, magnesium and zinc and high recoveries for calcium and manganese. The post digestion spike had low recoveries for iron and zinc. The sample concentrations for aluminum, calcium, magnesium and iron are significantly higher than the spike amounts. The sample concentrations for zinc are 3 times the spike amounts. Sample results for zinc should be qualified as estimated (J) due to the potential low bias in the reported results.

Field Duplicates

The precision between the field duplicate samples is poor for magnesium, chromium and calcium. The reported results for calcium, chromium and magnesium in sample GTM3-01 and GTM3-11 are qualified as estimated (J) due to sample heterogeneity.

VOCs

Calibrations

The continuing calibration standard analyzed on 9/13/2010 had %D's for methyl iodide and vinyl acetate greater than 20%. The non-detect sample results for methyl iodide and vinyl acetate are qualified as estimated due to poor calibration verification.

Matrix Spikes

The matrix spike samples had high recoveries for methyl iodide and n-butylbenzene. No sample had a positive detection for methyl iodide and n-butylbenzene and no qualifiers are required.

Laboratory control samples

The laboratory control duplicate sample had a high recovery for methyl iodide. No qualifiers are required since all sample results are non-detect.

EPH

Matrix Spikes

The matrix spike samples had a high recovery for C-12. All other spike parameters were recovered within criteria. There is no impact on the data and no qualification is required.

Summary

Laboratory Project No. 67722

The Tier II data validation of the analytical data from Laboratory Project No. 67722 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67743

Analysis Summary:

Metals/VOCs/VPH/EPH 1/Soil Samples/IV-B82-GTM-4-01

A Tier II data validation was performed on the analytical data for one (1) soil sample collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of this sample was to determine the nature and extent of metals contamination in the Building 82 area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH except for the metals analyses which were performed by TestAmerica Savannas of Savannah, GA under subcontract to Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
	Initial and Continuing Calibrations
*	Blank Samples
NA	Field Duplicate Samples
	Laboratory Control Samples
*	Laboratory Duplicate Samples
	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals contamination in the Building 82 area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for the project objectives as qualified in the tables below.

Metals Analysis

Matrix Spikes

The matrix spike samples had low recovery for aluminum, calcium, iron, magnesium, manganese, mercury (MS only), vanadium and high recovery for zinc (MS only). The post digestion spike sample had low recovery for aluminum and iron. The sample concentrations for aluminum, iron, and magnesium are significantly higher (> 5x) than the spike amounts. Sample results for calcium, manganese, mercury, and zinc are qualified as estimated due to potential low bias in the reported concentrations and for vanadium due to a potential high bias in the reported concentration.

VOCs

Calibrations

The continuing calibration standard analyzed on 9/13/2010 had %D's for methyl iodide and vinyl acetate greater than 20%. The non-detect sample results for methyl iodide and vinyl acetate are qualified as estimated due to poor calibration verification.

Matrix Spikes

The matrix spike samples had high recoveries for methyl iodide and n-butylbenzene. No sample had a positive detection for methyl iodide and n-butylbenzene and no qualifiers are required.

Laboratory control samples

The laboratory control duplicate sample had a high recovery for methyl iodide. No qualifiers are required since all sample results are non-detect.

VPH

Laboratory control samples

The laboratory control duplicate sample had a low recovery for naphthalene. The positive result for naphthalene in sample IV-B82-GTM-4-01 is qualified as estimated (J) due to potential low bias in the reported concentration.

EPH

No quality control issues found.

Summary

Laboratory Project No. 67743

The Tier II data validation of the analytical data from Laboratory Project No. 67743 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67799

Analysis Summary:

PAHs	4/Soil Samples/C-B82-DC-B-1, C-B82-DC-B-2, C-B82-DC-B-3, C-B82-DC-B-4

A Tier II data validation was performed on the analytical data for four (4) soil sample collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of this sample was to determine the nature and extent of metals contamination in the Building 82 area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
*	Initial and Continuing Calibrations
*	Blank Samples
NA	Field Duplicate Samples
	Laboratory Control Samples
*	Laboratory Duplicate Samples
*	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals contamination in the Building 82 area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for the project objectives as qualified in the tables below.

PAHs

Laboratory Project No. 67799

Laboratory Control Samples

The precision between the LCS and the LCS duplicate samples was greater than 30% D for benz(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,30-cd)-pyrene, dibenz(a,h)anthracene and benzo(g,h,i)perylene. The recoveries and duplicate precision for the matrix spike and matrix spike duplicate samples for all compounds were within criteria. A review of the surrogate recoveries indicates that the recovery for the LCS duplicate sample were below the recoveries for all other samples. No qualifiers are applied.

Summary

The Tier II data validation of the analytical data from Laboratory Project No. 67799 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67833

Analysis Summary:

VPH/EPH	15/Soil Samples/C-B82-APN-B-01, C-B82-APN-B02, C-B82-APN-B-03, C-B82-APN-B-04, C-B82-APN-SW-05, C-B82-APN-SW-06, C-B82-APN-SW-07, C-B82-APN-SW-08, C-B82-APN-SW-09, C-B82-APN-SW-10, C-B82-APN-SW-11, C-B82-APN-SW-12, C-B82-APN-SW-13, C-B82-APN-SW-14, C-B82-APN-SW-15 1/Field Duplicate/C-B82-APN-B-04D

A Tier II data validation was performed on the analytical data for fifteen (15) soil samples and one (1) field duplicate sample collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of these samples was to determine the nature and extent of metals contamination in the Building 82 area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
*	Initial and Continuing Calibrations
*	Blank Samples
	Surrogate Compounds
*	Field Duplicate Samples
	Laboratory Control Samples
*	Laboratory Duplicate Samples
*	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals contamination in the Building 82 area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for

the project objectives as qualified below.

VPH

Surrogates

The surrogates in sample C-B82-APN-SW-09 were recovered low (< 70%). A re-extraction of the sample had low recovery for the FID surrogate. All non-detect results for the aliphatic ranges in sample C-B82-APN-SW-09 are qualified as estimated (J) due to potential low bias in the reported concentrations.

EPH

Laboratory control sample

The precision between the laboratory control sample and the laboratory control duplicate sample had a high %D (> 30%) for naphthalene. Laboratory control sample recoveries and matrix spike/matrix spike duplicate recoveries were all within criteria limits. The precision between the matrix spike and the matrix spike duplicate sample were within criteria limits for all compounds. No qualifiers are applied.

Summary

The Tier II data validation of the analytical data from Laboratory Project No. 67833 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67834

Analysis Summary:

TAL Metals/VOCs/VPH/EPH

14/Soil Samples/C-B82-GTM1-SW-01, C-B82-GTM1-SW-02, C-B82-GTM1-SW-03, C-B82-GTM1-SW-04, C-B82-GTM1-B-5, C-B82-GTM2-SW-01, C-B82-GTM2-SW-02, C-B82-GTM2-SW-03, C-B82-GTM2-SW-04, C-B82-GTM2-B-5, C-B82-GTM3-SW-01, C-B82-GTM3-SW-03, C-B82-GTM3-B-5, C-B82-GTM3-SW-04
1/Field Duplicate/ C-B82-GTM2-SW-04D
1/Trip Blank/Trip Blank (VOCs)

A Tier II data validation was performed on the analytical data for fourteen (14) soil samples, one (1) field duplicate sample and one (1) trip blank sample (VOCs only) collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of these samples was to determine the nature and extent of metals contamination in the Building 82 area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH except for the metals analyses which were performed by TestAmerica Savannas of Savannah, GA under subcontract to Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- * Data Completeness
- * Preservation and Technical Holding Times
- * Instrument Performance
- * Initial and Continuing Calibrations
- Blank Samples
- * Surrogate Compounds
- * Field Duplicate Samples
- Laboratory Control Samples
- * Laboratory Duplicate Samples
- Matrix Spike/Matrix Spike Duplicate
- * Sensitivity Check
- * Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Laboratory Project No. 67834

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals contamination in the Building 82 area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for the project objectives as qualified below.

Metals

Blanks

Silver was detected in a laboratory blank sample at a concentration of 0.962 ug/L. Silver was not detected in any of the field samples and there is no impact on the usability of the data from the laboratory blank contamination.

Matrix Spikes

The matrix spike samples had high recoveries for aluminum, iron, magnesium, manganese, beryllium (MSD only), calcium and zinc. The matrix spike samples had low recoveries for silver. The post digestive spike sample had low recoveries for aluminum and iron. The sample concentrations for aluminum and iron and 4 times the amount spiked and there is no impact on the usability of the data for the poor matrix spike recovery. Positive sample results for beryllium, calcium, magnesium, manganese, and zinc are qualified as estimated for potential positive bias in the reported concentrations. The results are usable for project purposes.

VOCs

Blanks

The trip blank had detected concentrations for bromomethane (10.5 ug/kg), acetone (21 ug/kg), methyl iodide (1.4 ug/kg) and methylene chloride (12 ug/kg). A laboratory blank sample had detected concentrations for methyl iodide (1.3 ug/kg). Positive results for acetone and methylene chloride are all less than 2 times the concentrations detected in the trip blank and are qualified as non detect (U) due to potential blank contamination in the reported concentrations.

Laboratory control samples

Methyl iodide was recovered high (> 130%) in the laboratory control duplicate sample and tetrachloroethene was recovered high in the laboratory control and laboratory control duplicate samples. Methyl iodide and tetrachloroethene were not detected in any of the field samples and no qualification is required for the high LCS recoveries.

VPH

Laboratory Project No. 67834

Laboratory control samples

The precision between the laboratory control and the laboratory control duplicate samples was high (> 30% D) for naphthalene. The precision between the matrix spike and matrix spike duplicate samples are within the criteria limits and there is no impact on the usability of the data. No qualifiers are applied.

EPH

No quality control issues found

Summary

The Tier II data validation of the analytical data from Laboratory Project No. 67834 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67835

Analysis Summary:

VOCs/VPH/EPH	6/Soil Samples/C-B82-GTM4-SW-1, C-B82-GTM4-SW-2, C-B82-GTM4-SW-3, C-B82-GTM4-SW-4, C-B82-GTM4-B-5, C-B82-GTM3-SW-2

A Tier II data validation was performed on the analytical data for six(6) soil samples collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of these samples was to determine the nature and extent of metals contamination in the Building 82 area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
*	Initial and Continuing Calibrations
*	Blank Samples
*	Surrogate Compounds
NA	Field Duplicate Samples
	Laboratory Control Samples
*	Laboratory Duplicate Samples
	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals contamination in the Building 82 area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for the project objectives as qualified in the tables below.

VOCs

Laboratory control samples

The laboratory control duplicate sample had high recovery for methyl iodide. No qualification is required for the non-detect data for methyl iodide in the field samples.

Matrix spikes

The matrix spike samples had low recoveries for methylene chloride, vinyl acetate, hexachlorobutadiene and 1,2,3-trichlorobenzene and the matrix spike duplicate sample had low recoveries for methylene chloride and vinyl acetate. Positive and non-detect results for hexachlorobutadiene, methylene chloride, 1,2,3-trichlorobenzene and vinyl acetate are qualified as estimated due to the potential low bias in the reported concentrations.

VPH

No quality control issues found

EPH

No quality control issues found

Summary

The Tier II data validation of the analytical data from Laboratory Project No. 67835 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61960-1SD 1/10	Ag	4.82335	4.32096	5.32574	14.73018	ug/L	10/18/10	21:16	
61960-1SD 1/10	Al	342.61840	342.75738	342.47946	0.05735	ug/L	10/18/10	21:16	
61960-1SD 1/10	2Al	0.34264	0.34277	0.34250	0.05736	mg/L	10/18/10	21:16	
61960-1SD 1/10	As	206.08517	208.06565	204.10469	1.35906	ug/L	10/18/10	21:16	
61960-1SD 1/10	B	108.20030	108.12940	108.27118	0.09265	ug/L	10/18/10	21:16	
61960-1SD 1/10	Ba	216.18588	217.74472	214.62705	1.01973	ug/L	10/18/10	21:16	
61960-1SD 1/10	Be	5.17276	5.22163	5.12389	1.33608	ug/L	10/18/10	21:16	
61960-1SD 1/10	Ca	1063.10522	1069.94433	1056.26623	0.90977	ug/L	10/18/10	21:16	
61960-1SD 1/10	Cd	5.38650	5.40045	5.37255	0.36621	ug/L	10/18/10	21:16	
61960-1SD 1/10	Co	53.29472	53.27141	53.31803	0.06185	ug/L	10/18/10	21:16	
61960-1SD 1/10	Cr	20.37878	20.33027	20.42728	0.33662	ug/L	10/18/10	21:16	
61960-1SD 1/10	Cu	28.25006	28.00923	28.49089	1.20560	ug/L	10/18/10	21:16	
61960-1SD 1/10	Fe	266.48983	260.10134	272.87832	3.39025	ug/L	10/18/10	21:16	
61960-1SD 1/10	2Fe	0.26647	0.26009	0.27286	3.38995	mg/L	10/18/10	21:16	
61960-1SD 1/10	K	1111.92651	1120.28076	1103.57214	1.06255	ug/L	10/18/10	21:16	
61960-1SD 1/10	Mg	649.65917	652.61352	646.70489	0.64311	ug/L	10/18/10	21:16	
61960-1SD 1/10	2Mg	0.64945	0.65241	0.64650	0.64340	mg/L	10/18/10	21:16	
61960-1SD 1/10	Mn	59.18553	59.59265	58.77842	0.97278	ug/L	10/18/10	21:16	
61960-1SD 1/10	Mo	47.50418	47.58704	47.42132	0.24668	ug/L	10/18/10	21:16	
61960-1SD 1/10	Na	9233.30371	9293.38671	9173.22070	0.92025	ug/L	10/18/10	21:16	
61960-1SD 1/10	Ni	52.97802	53.26884	52.68720	0.77633	ug/L	10/18/10	21:16	
61960-1SD 1/10	Pb	50.74702	51.79160	49.70244	2.91101	ug/L	10/18/10	21:16	
61960-1SD 1/10	Se	207.02951	210.49923	203.55978	2.37016	ug/L	10/18/10	21:16	
61960-1SD 1/10	Sb	47.07391	49.36391	44.78392	6.87969	ug/L	10/18/10	21:16	
61960-1SD 1/10	Sn	106.32777	105.98065	106.67488	0.46168	ug/L	10/18/10	21:16	
61960-1SD 1/10	Sr	53.28681	53.65139	52.92223	0.96758	ug/L	10/18/10	21:16	
61960-1SD 1/10	Ti	100.53616	101.04776	100.02455	0.71966	ug/L	10/18/10	21:16	
61960-1SD 1/10	Tl	207.91464	204.14880	211.68049	2.56148	ug/L	10/18/10	21:16	
61960-1SD 1/10	V	51.02912	51.29175	50.76650	0.72783	ug/L	10/18/10	21:16	
61960-1SD 1/10	Zn	63.21083	63.33377	63.08789	0.27506	ug/L	10/18/10	21:16	
61960-1SD 1/10	2203/1	54.86156	57.49786	52.22526	6.79580	ug/L	10/18/10	21:16	
61960-1SD 1/10	2203/2	48.69284	48.94274	48.44293	0.72582	ug/L	10/18/10	21:16	
61960-1SD 1/10	1960/1	220.87826	220.01963	221.73687	0.54974	ug/L	10/18/10	21:16	
61960-1SD 1/10	1960/2	200.11544	205.74612	194.48478	3.97918	ug/L	10/18/10	21:16	
61960-1SD 1/10	Y	996.97949	997.10095	996.85797	0.01723		10/18/10	21:16	
CCV	Ag	503.23059	503.88601	502.57516	0.18419	ug/L	10/18/10	21:22	
CCV	Al	5030.80371	5025.02343	5036.58398	0.16248	ug/L	10/18/10	21:22	
CCV	2Al	5.03099	5.02531	5.03667	0.15965	mg/L	10/18/10	21:22	
CCV	As	509.70751	500.61187	518.80316	2.52363	ug/L	10/18/10	21:22	
CCV	B	5046.99707	5040.57617	5053.41748	0.17991	ug/L	10/18/10	21:22	
CCV	Ba	5061.84570	5067.16601	5056.52490	0.14864	ug/L	10/18/10	21:22	
CCV	Be	506.14776	506.50540	505.79016	0.09992	ug/L	10/18/10	21:22	
CCV	Ca	4982.69238	4985.14843	4980.23632	0.06970	ug/L	10/18/10	21:22	
CCV	Cd	496.82952	497.82513	495.83389	0.28340	ug/L	10/18/10	21:22	
CCV	Co	509.62188	509.15911	510.08465	0.12841	ug/L	10/18/10	21:22	
CCV	Cr	5046.45068	5043.78613	5049.11523	0.07467	ug/L	10/18/10	21:22	
CCV	Cu	5058.94726	5059.98242	5057.91210	0.02893	ug/L	10/18/10	21:22	
CCV	Fe	5031.04492	5042.32763	5019.76269	0.31714	ug/L	10/18/10	21:22	
CCV	2Fe	5.03105	5.04233	5.01977	0.31711	mg/L	10/18/10	21:22	
CCV	K	9682.52734	9708.77832	9656.27734	0.38341	ug/L	10/18/10	21:22	
CCV	Mg	5111.07910	5111.40039	5110.75781	0.00888	ug/L	10/18/10	21:22	
CCV	2Mg	5.11107	5.11139	5.11075	0.00882	mg/L	10/18/10	21:22	
CCV	Mn	5081.02001	5080.57421	5081.46582	0.01240	ug/L	10/18/10	21:22	
CCV	Mo	498.04425	499.19030	496.89819	0.32542	ug/L	10/18/10	21:22	
CCV	Na	7282.59960	7427.87255	7137.32714	2.82106	ug/L	10/18/10	21:22	
CCV	Ni	2535.48095	2539.02221	2531.93994	0.19751	ug/L	10/18/10	21:22	
CCV	Pb	507.91915	507.41845	508.41986	0.13941	ug/L	10/18/10	21:22	
CCV	Se	5007.07617	5009.36132	5004.79052	0.06454	ug/L	10/18/10	21:22	
CCV	Sb	501.61956	503.44433	499.79479	0.51445	ug/L	10/18/10	21:22	
CCV	Sn	5030.93359	5027.02197	5034.84570	0.10996	ug/L	10/18/10	21:22	
CCV	Sr	2529.89746	2526.48706	2533.30786	0.19064	ug/L	10/18/10	21:22	
CCV	Ti	503.12197	502.93554	503.30841	0.05240	ug/L	10/18/10	21:22	
CCV	Tl	4968.61621	4974.98583	4962.24609	0.18130	ug/L	10/18/10	21:22	
CCV	V	5081.88476	5084.69580	5079.07373	0.07822	ug/L	10/18/10	21:22	
CCV	Zn	2530.77954	2528.70043	2532.85864	0.11618	ug/L	10/18/10	21:22	
CCV	2203/1	514.00439	520.30780	507.70092	1.73430	ug/L	10/18/10	21:22	
CCV	2203/2	504.88110	500.98342	508.77880	1.09177	ug/L	10/18/10	21:22	
CCV	1960/1	5102.81787	5133.39697	5072.23876	0.84748	ug/L	10/18/10	21:22	
CCV	1960/2	4959.27685	4947.43652	4971.11718	0.33764	ug/L	10/18/10	21:22	
CCV	Y	991.25994	991.19696	991.32293	0.00898		10/18/10	21:22	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.71538	0.77457	0.65620	11.70009	ug/L	10/18/10	21:27	
CCB	Al	-8.87336	-13.69678	-4.04993	76.87451	ug/L	10/18/10	21:27	
CCB	2Al	-0.00887	-0.01369	-0.00405	76.87426	mg/L	10/18/10	21:27	
CCB	As	-0.10121	-2.96310	2.76067	3998.65844	ug/L	10/18/10	21:27	
CCB	B	7.37089	9.05799	5.68379	32.36943	ug/L	10/18/10	21:27	
CCB	Ba	1.56811	0.63325	2.50297	84.31093	ug/L	10/18/10	21:27	
CCB	Be	0.16113	0.03584	0.28642	109.96044	ug/L	10/18/10	21:27	
CCB	Ca	3.74445	2.26460	5.22429	55.89113	ug/L	10/18/10	21:27	
CCB	Cd	-0.10428	-0.01246	-0.19610	124.51999	ug/L	10/18/10	21:27	
CCB	Co	0.15588	-0.68501	0.99678	762.88415	ug/L	10/18/10	21:27	
CCB	Cr	1.05251	-0.29710	2.40213	181.34155	ug/L	10/18/10	21:27	
CCB	Cu	1.22675	-0.43551	2.88902	191.62768	ug/L	10/18/10	21:27	
CCB	Fe	12.37965	11.16678	13.59253	13.85552	ug/L	10/18/10	21:27	
CCB	2Fe	0.01237	0.01116	0.01359	13.85907	mg/L	10/18/10	21:27	
CCB	K	15.37204	19.11353	11.63055	34.42135	ug/L	10/18/10	21:27	
CCB	Mg	-5.76711	-11.80653	0.27230	148.09892	ug/L	10/18/10	21:27	
CCB	2Mg	-0.00576	-0.01180	0.00027	148.06431	mg/L	10/18/10	21:27	
CCB	Mn	1.22463	0.14540	2.30385	124.62989	ug/L	10/18/10	21:27	
CCB	Mo	-0.84438	-0.44814	-1.24061	66.36311	ug/L	10/18/10	21:27	
CCB	Na	56.67796	100.75765	12.59826	109.98649	ug/L	10/18/10	21:27	
CCB	Ni	1.80965	1.30660	2.31269	39.31206	ug/L	10/18/10	21:27	
CCB	Pb	0.32261	-0.76409	1.40932	476.36462	ug/L	10/18/10	21:27	
CCB	Se	4.43337	3.20633	5.66041	39.14167	ug/L	10/18/10	21:27	
CCB	Sb	-3.12976	-1.54752	-4.71200	71.49514	ug/L	10/18/10	21:27	
CCB	Sn	5.16357	4.54730	5.77984	16.87844	ug/L	10/18/10	21:27	
CCB	Sr	0.62273	0.01707	1.22838	137.54296	ug/L	10/18/10	21:27	
CCB	Ti	-0.21828	-0.33279	-0.10377	74.18865	ug/L	10/18/10	21:27	
CCB	Tl	-6.60063	-3.89863	-9.30263	57.89147	ug/L	10/18/10	21:27	
CCB	V	1.74606	1.02424	2.46788	58.46305	ug/L	10/18/10	21:27	
CCB	Zn	0.93095	0.14942	1.71249	118.72237	ug/L	10/18/10	21:27	
CCB	2203/1	3.54164	7.51499	-0.43171	158.66018	ug/L	10/18/10	21:27	
CCB	2203/2	-1.28448	-4.89742	2.32846	397.78533	ug/L	10/18/10	21:27	
CCB	1960/1	10.05013	10.54725	9.55301	6.99529	ug/L	10/18/10	21:27	
CCB	1960/2	1.62920	-0.45862	3.71702	181.23194	ug/L	10/18/10	21:27	
CCB	Y	1002.46948	1001.96093	1002.97796	0.07173		10/18/10	21:27	
61963-5 1/10	Ag	-0.04519	-0.22398	0.13359	559.43762	ug/L	10/18/10	21:32	
61963-5 1/10	Al	3313.10742	3349.04296	3277.17211	1.53391	ug/L	10/18/10	21:32	
61963-5 1/10	2Al	3.31312	3.34906	3.27718	1.53401	mg/L	10/18/10	21:32	
61963-5 1/10	As	-0.65765	-0.52098	-0.79432	29.38947	ug/L	10/18/10	21:32	
61963-5 1/10	B	32.25019	33.31356	31.18683	4.66301	ug/L	10/18/10	21:32	
61963-5 1/10	Ba	6.04372	6.04833	6.03910	0.10798	ug/L	10/18/10	21:32	
61963-5 1/10	Be	0.14246	0.12900	0.15592	13.36329	ug/L	10/18/10	21:32	
61963-5 1/10	Ca	92930.95312	93779.84375	92082.05468	1.29183	ug/L	10/18/10	21:32	
61963-5 1/10	Cd	-0.16042	-0.22551	-0.09534	57.37643	ug/L	10/18/10	21:32	
61963-5 1/10	Co	-0.36963	-0.19386	-0.54541	67.25038	ug/L	10/18/10	21:32	
61963-5 1/10	Cr	10.15581	10.01130	10.30031	2.01224	ug/L	10/18/10	21:32	
61963-5 1/10	Cu	22.77906	23.67457	21.88356	5.55966	ug/L	10/18/10	21:32	
61963-5 1/10	Fe	2687.36791	2698.88964	2675.84619	0.60632	ug/L	10/18/10	21:32	
61963-5 1/10	2Fe	2.68702	2.69854	2.67550	0.60633	mg/L	10/18/10	21:32	
61963-5 1/10	K	532.74572	533.76428	531.72723	0.27037	ug/L	10/18/10	21:32	
61963-5 1/10	Mg	3609.75585	3640.12280	3579.38891	1.18970	ug/L	10/18/10	21:32	
61963-5 1/10	2Mg	3.60827	3.63862	3.57791	1.18976	mg/L	10/18/10	21:32	
61963-5 1/10	Mn	13.27735	13.29941	13.25530	0.23492	ug/L	10/18/10	21:32	
61963-5 1/10	Mo	-0.18701	-0.72356	0.34952	405.72628	ug/L	10/18/10	21:32	
61963-5 1/10	Na	2443.94677	2426.09936	2461.79443	1.03276	ug/L	10/18/10	21:32	
61963-5 1/10	Ni	3.38843	2.80056	3.97630	24.53576	ug/L	10/18/10	21:32	
61963-5 1/10	Pb	23.58276	23.98120	23.18433	2.38934	ug/L	10/18/10	21:32	
61963-5 1/10	Se	8.26585	8.33504	8.19666	1.18377	ug/L	10/18/10	21:32	
61963-5 1/10	Sb	-3.09711	-3.76125	-2.43296	30.32653	ug/L	10/18/10	21:32	
61963-5 1/10	Sn	6.67507	8.48184	4.86830	38.27910	ug/L	10/18/10	21:32	
61963-5 1/10	Sr	586.75512	593.40643	580.10382	1.60311	ug/L	10/18/10	21:32	
61963-5 1/10	Ti	22.22992	22.49699	21.96284	1.69906	ug/L	10/18/10	21:32	
61963-5 1/10	Tl	-5.85013	-7.14775	-4.55251	31.36876	ug/L	10/18/10	21:32	
61963-5 1/10	V	6.28406	6.28381	6.28431	0.00568	ug/L	10/18/10	21:32	
61963-5 1/10	Zn	42.85874	43.49720	42.22027	2.10673	ug/L	10/18/10	21:32	
61963-5 1/10	2203/1	29.61699	30.53953	28.69445	4.40511	ug/L	10/18/10	21:32	
61963-5 1/10	2203/2	20.57017	20.70695	20.43339	0.94036	ug/L	10/18/10	21:32	
61963-5 1/10	1960/1	16.65518	16.93260	16.37776	2.35558	ug/L	10/18/10	21:32	
61963-5 1/10	1960/2	4.07747	4.04271	4.11224	1.20587	ug/L	10/18/10	21:32	
61963-5 1/10	Y	988.01544	988.49694	987.53393	0.06892		10/18/10	21:32	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-6 1/10	Ag	1.60797	2.02406	1.19187	36.59555	ug/L	10/18/10	21:37	
61963-6 1/10	Al	6178.27929	6241.35986	6115.19921	1.44391	ug/L	10/18/10	21:37	
61963-6 1/10	2Al	6.17838	6.24116	6.11560	1.43706	mg/L	10/18/10	21:37	
61963-6 1/10	As	-1.18659	-1.99969	-0.37348	96.90823	ug/L	10/18/10	21:37	
61963-6 1/10	B	36.44736	37.91996	34.97476	5.71391	ug/L	10/18/10	21:37	
61963-6 1/10	Ba	10.36175	10.56869	10.15480	2.82451	ug/L	10/18/10	21:37	
61963-6 1/10	Be	0.27584	0.31145	0.24023	18.25523	ug/L	10/18/10	21:37	
61963-6 1/10	Ca	105288.89062	106381.64062	104196.14062	1.46775	ug/L	10/18/10	21:37	
61963-6 1/10	Cd	0.14751	0.06688	0.22814	77.30122	ug/L	10/18/10	21:37	
61963-6 1/10	Co	0.43818	1.02813	-0.15176	190.40113	ug/L	10/18/10	21:37	
61963-6 1/10	Cr	16.79458	17.64787	15.94129	7.18526	ug/L	10/18/10	21:37	
61963-6 1/10	Cu	18.96420	19.75529	18.17310	5.89939	ug/L	10/18/10	21:37	
61963-6 1/10	Fe	4068.75537	4117.69384	4019.81665	1.70100	ug/L	10/18/10	21:37	
61963-6 1/10	2Fe	4.06824	4.11717	4.01930	1.70100	mg/L	10/18/10	21:37	
61963-6 1/10	K	1100.57763	1115.95532	1085.19982	1.97600	ug/L	10/18/10	21:37	
61963-6 1/10	Mg	5033.79101	5084.83300	4982.74902	1.43399	ug/L	10/18/10	21:37	
61963-6 1/10	2Mg	5.03166	5.08268	4.98064	1.43395	mg/L	10/18/10	21:37	
61963-6 1/10	Mn	18.60550	18.81747	18.39354	1.61115	ug/L	10/18/10	21:37	
61963-6 1/10	Mo	-0.89547	-1.42908	-0.36186	84.27243	ug/L	10/18/10	21:37	
61963-6 1/10	Na	7119.47265	7257.16357	6981.78222	2.73509	ug/L	10/18/10	21:37	
61963-6 1/10	Ni	6.67126	7.41064	5.93188	15.67375	ug/L	10/18/10	21:37	
61963-6 1/10	Pb	22.52633	21.91047	23.14219	3.86639	ug/L	10/18/10	21:37	
61963-6 1/10	Se	3.67411	3.85408	3.49414	6.92719	ug/L	10/18/10	21:37	
61963-6 1/10	Sb	1.34255	4.79884	-2.11373	364.07748	ug/L	10/18/10	21:37	
61963-6 1/10	Sn	3.95127	6.06719	1.83535	75.73165	ug/L	10/18/10	21:37	
61963-6 1/10	Sr	477.90350	483.75424	472.05279	1.73134	ug/L	10/18/10	21:37	
61963-6 1/10	Ti	35.30881	35.80025	34.81737	1.96834	ug/L	10/18/10	21:37	
61963-6 1/10	Tl	-2.51186	-6.32543	1.30171	214.70944	ug/L	10/18/10	21:37	
61963-6 1/10	V	10.83818	11.52466	10.15170	8.95747	ug/L	10/18/10	21:37	
61963-6 1/10	Zn	48.76116	49.38718	48.13514	1.81564	ug/L	10/18/10	21:37	
61963-6 1/10	2203/1	30.95591	30.90269	31.00913	0.24312	ug/L	10/18/10	21:37	
61963-6 1/10	2203/2	18.31786	17.42110	19.21462	6.92335	ug/L	10/18/10	21:37	
61963-6 1/10	1960/1	11.15734	9.49418	12.82049	21.08082	ug/L	10/18/10	21:37	
61963-6 1/10	1960/2	-0.06188	1.03826	-1.16203	2514.00366	ug/L	10/18/10	21:37	
61963-6 1/10	Y	996.23248	994.84197	997.62298	0.19739		10/18/10	21:37	
61963-7 1/10	Ag	0.45755	0.90219	0.01291	137.43099	ug/L	10/18/10	21:42	
61963-7 1/10	Al	2070.39355	2150.85473	1989.93225	5.49602	ug/L	10/18/10	21:42	
61963-7 1/10	2Al	2.07032	2.15079	1.98986	5.49655	mg/L	10/18/10	21:42	
61963-7 1/10	As	-1.41684	0.24454	-3.07824	165.83088	ug/L	10/18/10	21:42	
61963-7 1/10	B	18.46303	17.80792	19.11813	5.01789	ug/L	10/18/10	21:42	
61963-7 1/10	Ba	7.00859	7.28645	6.73074	5.60668	ug/L	10/18/10	21:42	
61963-7 1/10	Be	0.10385	0.10363	0.10406	0.29072	ug/L	10/18/10	21:42	
61963-7 1/10	Ca	114383.17187	118507.71093	110258.63281	5.09950	ug/L	10/18/10	21:42	
61963-7 1/10	Cd	0.47331	0.37375	0.57286	29.74584	ug/L	10/18/10	21:42	
61963-7 1/10	Co	0.91461	1.29684	0.53238	59.10192	ug/L	10/18/10	21:42	
61963-7 1/10	Cr	8.06647	8.71657	7.41637	11.39749	ug/L	10/18/10	21:42	
61963-7 1/10	Cu	19.24460	20.76510	17.72409	11.17363	ug/L	10/18/10	21:42	
61963-7 1/10	Fe	3022.27587	3142.89160	2901.66040	5.64396	ug/L	10/18/10	21:42	
61963-7 1/10	2Fe	3.02189	3.14249	2.90129	5.64397	mg/L	10/18/10	21:42	
61963-7 1/10	K	398.93530	411.25851	386.61212	4.36853	ug/L	10/18/10	21:42	
61963-7 1/10	Mg	4681.59179	4850.90820	4512.27490	5.11471	ug/L	10/18/10	21:42	
61963-7 1/10	2Mg	4.67974	4.84899	4.51050	5.11465	mg/L	10/18/10	21:42	
61963-7 1/10	Mn	21.41535	22.19746	20.63325	5.16483	ug/L	10/18/10	21:42	
61963-7 1/10	Mo	-0.00823	-0.80896	0.79249	13748.39648	ug/L	10/18/10	21:42	
61963-7 1/10	Na	3987.86010	4145.36767	3830.35253	5.58568	ug/L	10/18/10	21:42	
61963-7 1/10	Ni	3.76631	3.00415	4.52846	28.61823	ug/L	10/18/10	21:42	
61963-7 1/10	Pb	28.64584	30.75064	26.54105	10.39112	ug/L	10/18/10	21:42	
61963-7 1/10	Se	1.78942	-4.56749	8.14634	502.39794	ug/L	10/18/10	21:42	
61963-7 1/10	Sb	-5.43235	-5.07172	-5.79298	9.38841	ug/L	10/18/10	21:42	
61963-7 1/10	Sn	7.92397	9.10244	6.74549	21.03261	ug/L	10/18/10	21:42	
61963-7 1/10	Sr	874.82421	907.91351	841.73498	5.34910	ug/L	10/18/10	21:42	
61963-7 1/10	Ti	14.85018	15.41454	14.28582	5.37454	ug/L	10/18/10	21:42	
61963-7 1/10	Tl	-5.54262	-6.12382	-4.96142	14.82945	ug/L	10/18/10	21:42	
61963-7 1/10	V	5.82688	5.49263	6.16114	8.11250	ug/L	10/18/10	21:42	
61963-7 1/10	Zn	51.31976	53.01515	49.62437	4.67197	ug/L	10/18/10	21:42	
61963-7 1/10	2203/1	31.27656	34.56079	27.99233	14.85012	ug/L	10/18/10	21:42	
61963-7 1/10	2203/2	27.33246	28.84841	25.81650	7.84372	ug/L	10/18/10	21:42	
61963-7 1/10	1960/1	5.12533	-2.92113	13.17179	222.02302	ug/L	10/18/10	21:42	
61963-7 1/10	1960/2	0.12397	-5.38943	5.63738	6289.32080	ug/L	10/18/10	21:42	
61963-7 1/10	Y	993.33898	992.93395	993.74395	0.05765		10/18/10	21:42	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-8 1/10	Ag	0.57823	1.49931	-0.34285	225.27618	ug/L	10/18/10	21:48	
61963-8 1/10	Al	2832.56542	2833.83081	2831.29980	0.06318	ug/L	10/18/10	21:48	
61963-8 1/10	2Al	2.83275	2.83401	2.83148	0.06318	mg/L	10/18/10	21:48	
61963-8 1/10	As	2.95899	0.01222	5.90575	140.83718	ug/L	10/18/10	21:48	
61963-8 1/10	B	36.22900	36.33982	36.11819	0.43257	ug/L	10/18/10	21:48	
61963-8 1/10	Ba	8.86374	8.94502	8.78246	1.29678	ug/L	10/18/10	21:48	
61963-8 1/10	Be	0.07549	0.09367	0.05732	34.03918	ug/L	10/18/10	21:48	
61963-8 1/10	Ca	98980.23437	99188.76562	98771.71093	0.29794	ug/L	10/18/10	21:48	
61963-8 1/10	Cd	1.45790	1.28562	1.63018	16.71189	ug/L	10/18/10	21:48	
61963-8 1/10	Co	0.23642	0.59059	-0.11774	211.85539	ug/L	10/18/10	21:48	
61963-8 1/10	Cr	20.18527	20.22978	20.14077	0.31180	ug/L	10/18/10	21:48	
61963-8 1/10	Cu	83.83959	84.17764	83.50154	0.57022	ug/L	10/18/10	21:48	
61963-8 1/10	Fe	10381.29296	10388.69433	10373.89062	0.10083	ug/L	10/18/10	21:48	
61963-8 1/10	2Fe	10.37997	10.38737	10.37257	0.10083	mg/L	10/18/10	21:48	
61963-8 1/10	K	661.24475	662.47979	660.00976	0.26413	ug/L	10/18/10	21:48	
61963-8 1/10	Mg	4567.47949	4577.77197	4557.18750	0.31867	ug/L	10/18/10	21:48	
61963-8 1/10	2Mg	4.56438	4.57466	4.55409	0.31876	mg/L	10/18/10	21:48	
61963-8 1/10	Mn	35.57808	35.80504	35.35113	0.90214	ug/L	10/18/10	21:48	
61963-8 1/10	Mo	0.83954	1.24104	0.43803	67.63361	ug/L	10/18/10	21:48	
61963-8 1/10	Na	8888.72070	9027.40527	8750.03515	2.20650	ug/L	10/18/10	21:48	
61963-8 1/10	Ni	19.62631	19.88045	19.37216	1.83127	ug/L	10/18/10	21:48	
61963-8 1/10	Pb	188.48794	187.75486	189.22100	0.55001	ug/L	10/18/10	21:48	
61963-8 1/10	Se	3.91749	4.72340	3.11158	29.09333	ug/L	10/18/10	21:48	
61963-8 1/10	Sb	0.55521	1.38679	-0.27636	211.81678	ug/L	10/18/10	21:48	
61963-8 1/10	Sn	10.94990	13.85431	8.04550	37.51124	ug/L	10/18/10	21:48	
61963-8 1/10	Sr	1328.67993	1331.35729	1326.00256	0.28497	ug/L	10/18/10	21:48	
61963-8 1/10	Ti	34.47267	34.74152	34.20381	1.10296	ug/L	10/18/10	21:48	
61963-8 1/10	Tl	-0.42188	-0.13729	-0.70648	95.39862	ug/L	10/18/10	21:48	
61963-8 1/10	V	7.54053	7.32968	7.75138	3.95451	ug/L	10/18/10	21:48	
61963-8 1/10	Zn	517.15478	518.62402	515.68548	0.40178	ug/L	10/18/10	21:48	
61963-8 1/10	2203/1	193.88789	193.52134	194.25444	0.26735	ug/L	10/18/10	21:48	
61963-8 1/10	2203/2	185.79200	184.87594	186.70806	0.69728	ug/L	10/18/10	21:48	
61963-8 1/10	1960/1	6.16516	5.71877	6.61156	10.23977	ug/L	10/18/10	21:48	
61963-8 1/10	1960/2	2.79534	4.22646	1.36421	72.40318	ug/L	10/18/10	21:48	
61963-8 1/10	Y	990.31945	990.40496	990.23394	0.01221		10/18/10	21:48	
61963-12 1/10	Ag	-0.43117	-0.16474	-0.69760	87.38774	ug/L	10/18/10	21:53	
61963-12 1/10	Al	270.58450	272.04858	269.12042	0.76520	ug/L	10/18/10	21:53	
61963-12 1/10	2Al	0.27060	0.27206	0.26913	0.76520	mg/L	10/18/10	21:53	
61963-12 1/10	As	2.31172	2.51901	2.10442	12.68154	ug/L	10/18/10	21:53	
61963-12 1/10	B	26.21670	26.11589	26.31751	0.54379	ug/L	10/18/10	21:53	
61963-12 1/10	Ba	3.27510	3.09051	3.45969	7.97080	ug/L	10/18/10	21:53	
61963-12 1/10	Be	0.02730	0.03165	0.02295	22.51790	ug/L	10/18/10	21:53	
61963-12 1/10	Ca	152099.43750	152504.54687	151694.31250	0.37667	ug/L	10/18/10	21:53	
61963-12 1/10	Cd	-0.09876	-0.42681	0.22929	469.75366	ug/L	10/18/10	21:53	
61963-12 1/10	Co	0.46797	0.42025	0.51570	14.42194	ug/L	10/18/10	21:53	
61963-12 1/10	Cr	3.49069	4.23097	2.75040	29.99181	ug/L	10/18/10	21:53	
61963-12 1/10	Cu	6.89680	7.26924	6.52436	7.63697	ug/L	10/18/10	21:53	
61963-12 1/10	Fe	253.68804	255.06173	252.31437	0.76577	ug/L	10/18/10	21:53	
61963-12 1/10	2Fe	0.25365	0.25502	0.25228	0.76576	mg/L	10/18/10	21:53	
61963-12 1/10	K	408.17736	403.83120	412.52355	1.50582	ug/L	10/18/10	21:53	
61963-12 1/10	Mg	3349.64599	3366.14819	3333.14355	0.69672	ug/L	10/18/10	21:53	
61963-12 1/10	2Mg	3.34865	3.36515	3.33215	0.69672	mg/L	10/18/10	21:53	
61963-12 1/10	Mn	2.42107	2.47933	2.36282	3.40281	ug/L	10/18/10	21:53	
61963-12 1/10	Mo	-2.23099	-1.87616	-2.58582	22.49252	ug/L	10/18/10	21:53	
61963-12 1/10	Na	8086.04687	7906.01171	8266.08203	3.14873	ug/L	10/18/10	21:53	
61963-12 1/10	Ni	0.53268	-0.66663	1.73199	318.40704	ug/L	10/18/10	21:53	
61963-12 1/10	Pb	7.61132	7.65757	7.56507	0.85942	ug/L	10/18/10	21:53	
61963-12 1/10	Se	-2.77563	-8.39739	2.84611	286.43362	ug/L	10/18/10	21:53	
61963-12 1/10	Sb	-4.63422	-7.00527	-2.26318	72.35646	ug/L	10/18/10	21:53	
61963-12 1/10	Sn	5.87544	5.61278	6.13809	6.32203	ug/L	10/18/10	21:53	
61963-12 1/10	Sr	2214.63427	2224.23779	2205.03051	0.61326	ug/L	10/18/10	21:53	
61963-12 1/10	Ti	2.99556	3.29425	2.69687	14.10132	ug/L	10/18/10	21:53	
61963-12 1/10	Tl	-3.39510	-5.04673	-1.74347	68.79773	ug/L	10/18/10	21:53	
61963-12 1/10	V	0.52445	0.47095	0.57795	14.42584	ug/L	10/18/10	21:53	
61963-12 1/10	Zn	15.67305	15.51631	15.82978	1.41422	ug/L	10/18/10	21:53	
61963-12 1/10	2203/1	8.79217	3.25427	14.33007	89.07669	ug/L	10/18/10	21:53	
61963-12 1/10	2203/2	7.02178	9.85593	4.18763	57.08076	ug/L	10/18/10	21:53	
61963-12 1/10	1960/1	3.82301	1.81604	5.82998	74.24202	ug/L	10/18/10	21:53	
61963-12 1/10	1960/2	-6.07001	-13.49645	1.35641	173.02368	ug/L	10/18/10	21:53	
61963-12 1/10	Y	993.73944	993.35693	994.12194	0.05443		10/18/10	21:53	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-18 1/10	Ag	0.69997	0.43145	0.96848	54.25071	ug/L	10/18/10	21:58	
61963-18 1/10	Al	394.01950	398.01049	390.02850	1.43244	ug/L	10/18/10	21:58	
61963-18 1/10	2Al	0.39404	0.39803	0.39005	1.43244	mg/L	10/18/10	21:58	
61963-18 1/10	As	0.65516	4.03589	-2.72556	729.75018	ug/L	10/18/10	21:58	
61963-18 1/10	B	19.89049	19.00161	20.77937	6.31995	ug/L	10/18/10	21:58	
61963-18 1/10	Ba	1.97124	2.00059	1.94190	2.10516	ug/L	10/18/10	21:58	
61963-18 1/10	Be	0.01087	0.00199	0.01975	115.51759	ug/L	10/18/10	21:58	
61963-18 1/10	Ca	45249.32031	45727.26562	44771.37890	1.49375	ug/L	10/18/10	21:58	
61963-18 1/10	Cd	0.06491	0.03581	0.09401	63.39407	ug/L	10/18/10	21:58	
61963-18 1/10	Co	0.59390	0.86929	0.31851	65.57512	ug/L	10/18/10	21:58	
61963-18 1/10	Cr	2.60993	2.81808	2.40178	11.27881	ug/L	10/18/10	21:58	
61963-18 1/10	Cu	10.83383	11.08791	10.57975	3.31668	ug/L	10/18/10	21:58	
61963-18 1/10	Fe	620.83483	627.68774	613.98193	1.56103	ug/L	10/18/10	21:58	
61963-18 1/10	2Fe	0.62075	0.62760	0.61390	1.56106	mg/L	10/18/10	21:58	
61963-18 1/10	K	352.32568	354.14916	350.50219	0.73193	ug/L	10/18/10	21:58	
61963-18 1/10	Mg	1681.26037	1692.96948	1669.55126	0.98492	ug/L	10/18/10	21:58	
61963-18 1/10	2Mg	1.68067	1.69238	1.66897	0.98488	mg/L	10/18/10	21:58	
61963-18 1/10	Mn	3.63156	3.61585	3.64728	0.61208	ug/L	10/18/10	21:58	
61963-18 1/10	Mo	2.13939	2.67574	1.60305	35.45431	ug/L	10/18/10	21:58	
61963-18 1/10	Na	7175.47363	7340.89257	7010.05419	3.26024	ug/L	10/18/10	21:58	
61963-18 1/10	Ni	1.18949	1.47873	0.90024	34.38893	ug/L	10/18/10	21:58	
61963-18 1/10	Pb	11.15137	10.44771	11.85502	8.92373	ug/L	10/18/10	21:58	
61963-18 1/10	Se	4.21805	2.12211	6.31398	70.27166	ug/L	10/18/10	21:58	
61963-18 1/10	Sb	-7.40859	-5.22320	-9.59397	41.71646	ug/L	10/18/10	21:58	
61963-18 1/10	Sn	-0.16013	-1.70423	1.38396	1363.68469	ug/L	10/18/10	21:58	
61963-18 1/10	Sr	522.78552	529.12249	516.44854	1.71424	ug/L	10/18/10	21:58	
61963-18 1/10	Ti	10.74256	10.67859	10.80652	0.84202	ug/L	10/18/10	21:58	
61963-18 1/10	Tl	4.21886	0.12502	8.31269	137.23020	ug/L	10/18/10	21:58	
61963-18 1/10	V	1.63642	1.76023	1.51262	10.69926	ug/L	10/18/10	21:58	
61963-18 1/10	Zn	27.36109	27.08846	27.63373	1.40917	ug/L	10/18/10	21:58	
61963-18 1/10	2203/1	17.32507	13.29662	21.35353	32.88350	ug/L	10/18/10	21:58	
61963-18 1/10	2203/2	8.06914	9.02539	7.11289	16.75941	ug/L	10/18/10	21:58	
61963-18 1/10	1960/1	5.47927	4.41612	6.54242	27.44011	ug/L	10/18/10	21:58	
61963-18 1/10	1960/2	3.58838	0.97683	6.19993	102.92343	ug/L	10/18/10	21:58	
61963-18 1/10	Y	987.40795	987.72296	987.09295	0.04511		10/18/10	21:58	
61963-19 1/10	Ag	1.30707	0.73594	1.87821	61.79488	ug/L	10/18/10	22:03	
61963-19 1/10	Al	85.21925	85.72879	84.70972	0.84556	ug/L	10/18/10	22:03	
61963-19 1/10	2Al	0.08522	0.08573	0.08471	0.84559	mg/L	10/18/10	22:03	
61963-19 1/10	As	-1.50145	-1.89765	-1.10525	37.31767	ug/L	10/18/10	22:03	
61963-19 1/10	B	15.97009	16.47310	15.46709	4.45433	ug/L	10/18/10	22:03	
61963-19 1/10	Ba	6.53359	6.48483	6.58234	1.05528	ug/L	10/18/10	22:03	
61963-19 1/10	Be	0.04850	0.02595	0.07106	65.74874	ug/L	10/18/10	22:03	
61963-19 1/10	Ca	207500.71875	208035.53125	206965.92187	0.36449	ug/L	10/18/10	22:03	
61963-19 1/10	Cd	0.10942	0.08090	0.13793	36.85295	ug/L	10/18/10	22:03	
61963-19 1/10	Co	-0.06569	-0.08074	-0.05064	32.39696	ug/L	10/18/10	22:03	
61963-19 1/10	Cr	0.80628	1.48399	0.12857	118.86974	ug/L	10/18/10	22:03	
61963-19 1/10	Cu	1.79692	2.00954	1.58431	16.73335	ug/L	10/18/10	22:03	
61963-19 1/10	Fe	109.57826	103.03583	116.12068	8.44363	ug/L	10/18/10	22:03	
61963-19 1/10	2Fe	0.10956	0.10302	0.11610	8.44374	mg/L	10/18/10	22:03	
61963-19 1/10	K	490.35235	472.51541	508.18930	5.14431	ug/L	10/18/10	22:03	
61963-19 1/10	Mg	925.43090	931.07525	919.78662	0.86254	ug/L	10/18/10	22:03	
61963-19 1/10	2Mg	0.92515	0.93079	0.91950	0.86273	mg/L	10/18/10	22:03	
61963-19 1/10	Mn	2.92269	2.94987	2.89552	1.31468	ug/L	10/18/10	22:03	
61963-19 1/10	Mo	2.64976	3.05395	2.24558	21.57176	ug/L	10/18/10	22:03	
61963-19 1/10	Na	4817.57421	4662.76660	4972.38232	4.54443	ug/L	10/18/10	22:03	
61963-19 1/10	Ni	0.04443	-0.60247	0.69135	2058.66625	ug/L	10/18/10	22:03	
61963-19 1/10	Pb	-0.06390	0.68388	-0.81170	1654.74682	ug/L	10/18/10	22:03	
61963-19 1/10	Se	-0.62253	-4.60155	3.35648	903.91168	ug/L	10/18/10	22:03	
61963-19 1/10	Sb	-2.13995	-7.08520	2.80530	326.81311	ug/L	10/18/10	22:03	
61963-19 1/10	Sn	6.80552	2.69934	10.91171	85.32794	ug/L	10/18/10	22:03	
61963-19 1/10	Sr	3941.54150	3953.98388	3929.09936	0.44642	ug/L	10/18/10	22:03	
61963-19 1/10	Ti	1.91591	1.81615	2.01566	7.36319	ug/L	10/18/10	22:03	
61963-19 1/10	Tl	-3.12975	-5.54662	-0.71289	109.20853	ug/L	10/18/10	22:03	
61963-19 1/10	V	0.77982	0.02161	1.53803	137.50207	ug/L	10/18/10	22:03	
61963-19 1/10	Zn	2.98979	2.55668	3.42290	20.48679	ug/L	10/18/10	22:03	
61963-19 1/10	2203/1	5.53832	0.32849	10.74816	133.03329	ug/L	10/18/10	22:03	
61963-19 1/10	2203/2	-2.86082	0.86131	-6.58296	183.99916	ug/L	10/18/10	22:03	
61963-19 1/10	1960/1	9.97455	-0.26923	20.21835	145.23861	ug/L	10/18/10	22:03	
61963-19 1/10	1960/2	-5.91314	-6.76446	-5.06181	20.36072	ug/L	10/18/10	22:03	
61963-19 1/10	Y	980.42395	980.97296	979.87493	0.07919		10/18/10	22:03	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-20 1/10	Ag	-1.57541	-4.09867	0.94785	226.50836	ug/L	10/18/10	22:08	
61963-20 1/10	Al	163.73165	164.96525	162.49804	1.06551	ug/L	10/18/10	22:08	
61963-20 1/10	2Al	0.16374	0.16497	0.16250	1.06553	mg/L	10/18/10	22:08	
61963-20 1/10	As	4.31761	4.59003	4.04518	8.92315	ug/L	10/18/10	22:08	
61963-20 1/10	B	14.53247	14.74386	14.32108	2.05712	ug/L	10/18/10	22:08	
61963-20 1/10	Ba	0.20540	-0.11836	0.52918	222.91641	ug/L	10/18/10	22:08	
61963-20 1/10	Be	-0.04838	-0.09812	0.00135	145.38082	ug/L	10/18/10	22:08	
61963-20 1/10	Ca	3863.78784	3874.26025	3853.31542	0.38330	ug/L	10/18/10	22:08	
61963-20 1/10	Cd	-0.50499	-0.55298	-0.45700	13.43954	ug/L	10/18/10	22:08	
61963-20 1/10	Co	-0.02729	-0.31744	0.26286	1503.58776	ug/L	10/18/10	22:08	
61963-20 1/10	Cr	0.50260	0.61729	0.38792	32.26895	ug/L	10/18/10	22:08	
61963-20 1/10	Cu	3.32944	3.70431	2.95458	15.92269	ug/L	10/18/10	22:08	
61963-20 1/10	Fe	345.46157	312.26306	378.66009	13.59045	ug/L	10/18/10	22:08	
61963-20 1/10	2Fe	0.34541	0.31222	0.37861	13.59060	mg/L	10/18/10	22:08	
61963-20 1/10	K	321.15994	286.35070	355.96917	15.32809	ug/L	10/18/10	22:08	
61963-20 1/10	Mg	1334.85083	1339.17358	1330.52819	0.45796	ug/L	10/18/10	22:08	
61963-20 1/10	2Mg	1.33441	1.33874	1.33008	0.45860	mg/L	10/18/10	22:08	
61963-20 1/10	Mn	1.27187	1.21622	1.32753	6.18793	ug/L	10/18/10	22:08	
61963-20 1/10	Mo	-1.85822	-3.70953	-0.00692	140.89439	ug/L	10/18/10	22:08	
61963-20 1/10	Na	7727.40625	7669.05712	7785.75537	1.06786	ug/L	10/18/10	22:08	
61963-20 1/10	Ni	0.13382	-1.49419	1.76184	1720.41979	ug/L	10/18/10	22:08	
61963-20 1/10	Pb	1.76032	1.16081	2.35983	48.16344	ug/L	10/18/10	22:08	
61963-20 1/10	Se	-3.20137	-7.41349	1.01074	186.07102	ug/L	10/18/10	22:08	
61963-20 1/10	Sb	-11.34692	-11.61608	-11.07775	3.35470	ug/L	10/18/10	22:08	
61963-20 1/10	Sn	0.16376	-5.13088	5.45841	4572.33593	ug/L	10/18/10	22:08	
61963-20 1/10	Sr	53.32118	53.65697	52.98539	0.89060	ug/L	10/18/10	22:08	
61963-20 1/10	Ti	2.96082	3.05255	2.86908	4.38175	ug/L	10/18/10	22:08	
61963-20 1/10	Tl	-10.64391	-12.68521	-8.60261	27.12196	ug/L	10/18/10	22:08	
61963-20 1/10	V	-0.41287	-3.21490	2.38915	959.77526	ug/L	10/18/10	22:08	
61963-20 1/10	Zn	11.41999	11.39932	11.44067	0.25599	ug/L	10/18/10	22:08	
61963-20 1/10	2203/1	-3.86284	-17.41038	9.68470	495.98510	ug/L	10/18/10	22:08	
61963-20 1/10	2203/2	4.56769	10.43249	-1.29710	181.58129	ug/L	10/18/10	22:08	
61963-20 1/10	1960/1	-6.19443	-25.97912	13.59025	451.69207	ug/L	10/18/10	22:08	
61963-20 1/10	1960/2	-1.70709	1.85540	-5.26958	295.12905	ug/L	10/18/10	22:08	
61963-20 1/10	Y	1003.48645	1002.50097	1004.47198	0.13888		10/18/10	22:08	
61963-21 1/10	Ag	1.42826	1.57647	1.28005	14.67528	ug/L	10/18/10	22:14	
61963-21 1/10	Al	504.81750	505.67373	503.96127	0.23986	ug/L	10/18/10	22:14	
61963-21 1/10	2Al	0.50485	0.50570	0.50399	0.23986	mg/L	10/18/10	22:14	
61963-21 1/10	As	3.69595	4.23463	3.15727	20.61195	ug/L	10/18/10	22:14	
61963-21 1/10	B	48.55996	48.72090	48.39903	0.46868	ug/L	10/18/10	22:14	
61963-21 1/10	Ba	2.21276	2.21683	2.20869	0.26014	ug/L	10/18/10	22:14	
61963-21 1/10	Be	0.06402	0.05869	0.06936	11.77467	ug/L	10/18/10	22:14	
61963-21 1/10	Ca	12061.85839	12078.92285	12044.79394	0.20007	ug/L	10/18/10	22:14	
61963-21 1/10	Cd	0.11504	0.25553	-0.02544	172.70591	ug/L	10/18/10	22:14	
61963-21 1/10	Co	0.40502	0.15376	0.65629	87.73318	ug/L	10/18/10	22:14	
61963-21 1/10	Cr	2.16425	2.19225	2.13625	1.82961	ug/L	10/18/10	22:14	
61963-21 1/10	Cu	12.13366	11.64777	12.61954	5.66313	ug/L	10/18/10	22:14	
61963-21 1/10	Fe	723.91223	709.76025	738.06420	2.76468	ug/L	10/18/10	22:14	
61963-21 1/10	2Fe	0.72382	0.70967	0.73797	2.76468	mg/L	10/18/10	22:14	
61963-21 1/10	K	475.28643	470.50756	480.06530	1.42195	ug/L	10/18/10	22:14	
61963-21 1/10	Mg	2801.89453	2801.54809	2802.24072	0.01747	ug/L	10/18/10	22:14	
61963-21 1/10	2Mg	2.80097	2.80063	2.80132	0.01735	mg/L	10/18/10	22:14	
61963-21 1/10	Mn	2.10140	1.97989	2.22291	8.17748	ug/L	10/18/10	22:14	
61963-21 1/10	Mo	-1.31205	-1.57594	-1.04815	28.44410	ug/L	10/18/10	22:14	
61963-21 1/10	Na	8051.77148	8133.31103	7970.23193	1.43216	ug/L	10/18/10	22:14	
61963-21 1/10	Ni	0.84947	1.50947	0.18947	109.87801	ug/L	10/18/10	22:14	
61963-21 1/10	Pb	7.89888	7.61481	8.18295	5.08594	ug/L	10/18/10	22:14	
61963-21 1/10	Se	0.33633	4.03204	-3.35937	1553.96057	ug/L	10/18/10	22:14	
61963-21 1/10	Sb	0.71364	-5.33210	6.75939	1198.06848	ug/L	10/18/10	22:14	
61963-21 1/10	Sn	6.10703	6.05562	6.15844	1.19055	ug/L	10/18/10	22:14	
61963-21 1/10	Sr	151.04252	151.75123	150.33381	0.66356	ug/L	10/18/10	22:14	
61963-21 1/10	Ti	7.47154	7.66189	7.28119	3.60291	ug/L	10/18/10	22:14	
61963-21 1/10	Tl	1.31945	1.82694	0.81197	54.39270	ug/L	10/18/10	22:14	
61963-21 1/10	V	5.18475	5.75465	4.61484	15.54503	ug/L	10/18/10	22:14	
61963-21 1/10	Zn	28.36034	28.25743	28.46324	0.51315	ug/L	10/18/10	22:14	
61963-21 1/10	2203/1	9.64268	11.13636	8.14901	21.90650	ug/L	10/18/10	22:14	
61963-21 1/10	2203/2	7.02828	5.85668	8.19989	23.57477	ug/L	10/18/10	22:14	
61963-21 1/10	1960/1	6.11074	11.49735	0.72412	124.66290	ug/L	10/18/10	22:14	
61963-21 1/10	1960/2	-2.54653	0.30498	-5.39806	158.35885	ug/L	10/18/10	22:14	
61963-21 1/10	Y	1015.36645	1013.33697	1017.39593	0.28266		10/18/10	22:14	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-22 1/10	Ag	0.48948	0.43000	0.54897	17.18634	ug/L	10/18/10	22:19	
61963-22 1/10	Al	79.94318	81.95626	77.93010	3.56117	ug/L	10/18/10	22:19	
61963-22 1/10	2Al	0.07994	0.08196	0.07793	3.56118	mg/L	10/18/10	22:19	
61963-22 1/10	As	2.02532	1.67219	2.37844	24.65759	ug/L	10/18/10	22:19	
61963-22 1/10	B	16.91251	16.48760	17.33742	3.55310	ug/L	10/18/10	22:19	
61963-22 1/10	Ba	6.83094	6.86050	6.80137	0.61217	ug/L	10/18/10	22:19	
61963-22 1/10	Be	0.06632	0.06638	0.06627	0.11470	ug/L	10/18/10	22:19	
61963-22 1/10	Ca	315196.93750	316327.37500	314066.53125	0.50719	ug/L	10/18/10	22:19	
61963-22 1/10	Cd	-0.16074	-0.18301	-0.13848	19.58443	ug/L	10/18/10	22:19	
61963-22 1/10	Co	-0.11759	0.10925	-0.34443	272.81689	ug/L	10/18/10	22:19	
61963-22 1/10	Cr	0.56282	1.00316	0.12248	110.64475	ug/L	10/18/10	22:19	
61963-22 1/10	Cu	4.05524	3.98963	4.12086	2.28822	ug/L	10/18/10	22:19	
61963-22 1/10	Fe	434.79931	448.22381	421.37484	4.36640	ug/L	10/18/10	22:19	
61963-22 1/10	2Fe	0.43474	0.44816	0.42132	4.36642	mg/L	10/18/10	22:19	
61963-22 1/10	K	264.48535	270.56567	258.40505	3.25116	ug/L	10/18/10	22:19	
61963-22 1/10	Mg	1037.23693	1044.83251	1029.64135	1.03561	ug/L	10/18/10	22:19	
61963-22 1/10	2Mg	1.03686	1.04446	1.02927	1.03538	mg/L	10/18/10	22:19	
61963-22 1/10	Mn	4.40299	4.56106	4.24492	5.07709	ug/L	10/18/10	22:19	
61963-22 1/10	Mo	0.57205	1.15233	-0.00822	143.45466	ug/L	10/18/10	22:19	
61963-22 1/10	Na	4174.98339	4297.42333	4052.54345	4.14747	ug/L	10/18/10	22:19	
61963-22 1/10	Ni	1.18197	1.22357	1.14037	4.97740	ug/L	10/18/10	22:19	
61963-22 1/10	Pb	3.80913	2.59325	5.02502	45.14192	ug/L	10/18/10	22:19	
61963-22 1/10	Se	4.61570	2.63638	6.59502	60.64480	ug/L	10/18/10	22:19	
61963-22 1/10	Sb	-1.57726	-3.22847	0.07394	148.05163	ug/L	10/18/10	22:19	
61963-22 1/10	Sn	8.82343	8.76836	8.87849	0.88263	ug/L	10/18/10	22:19	
61963-22 1/10	Sr	4532.85498	4556.54638	4509.16357	0.73915	ug/L	10/18/10	22:19	
61963-22 1/10	Ti	2.06800	1.93552	2.20047	9.05927	ug/L	10/18/10	22:19	
61963-22 1/10	Tl	-3.53842	-4.55676	-2.52009	40.69995	ug/L	10/18/10	22:19	
61963-22 1/10	V	1.84035	1.96501	1.71570	9.57876	ug/L	10/18/10	22:19	
61963-22 1/10	Zn	9.90384	10.23331	9.57437	4.70458	ug/L	10/18/10	22:19	
61963-22 1/10	2203/1	9.36120	7.77126	10.95113	24.01942	ug/L	10/18/10	22:19	
61963-22 1/10	2203/2	1.03726	0.00813	2.06640	140.31288	ug/L	10/18/10	22:19	
61963-22 1/10	1960/1	12.49839	6.48941	18.50738	67.99261	ug/L	10/18/10	22:19	
61963-22 1/10	1960/2	0.68026	0.71275	0.64777	6.75419	ug/L	10/18/10	22:19	
61963-22 1/10	Y	989.87841	989.91894	989.83795	0.00578		10/18/10	22:19	
CCV	Ag	497.06655	497.20553	496.92758	0.03954	ug/L	10/18/10	22:24	
CCV	Al	4953.61035	4951.74609	4955.47460	0.05322	ug/L	10/18/10	22:24	
CCV	2Al	4.95359	4.95183	4.95536	0.05041	mg/L	10/18/10	22:24	
CCV	As	505.12658	505.99954	504.25363	0.24440	ug/L	10/18/10	22:24	
CCV	B	5024.42138	5023.68212	5025.16064	0.02080	ug/L	10/18/10	22:24	
CCV	Ba	4973.00878	4976.81103	4969.20654	0.10812	ug/L	10/18/10	22:24	
CCV	Be	506.76196	506.70660	506.81732	0.01544	ug/L	10/18/10	22:24	
CCV	Ca	4996.58300	4994.42822	4998.73730	0.06098	ug/L	10/18/10	22:24	
CCV	Cd	498.38159	498.50659	498.25662	0.03546	ug/L	10/18/10	22:24	
CCV	Co	508.69854	508.98266	508.41439	0.07899	ug/L	10/18/10	22:24	
CCV	Cr	5038.30468	5032.60498	5044.00488	0.15999	ug/L	10/18/10	22:24	
CCV	Cu	4979.87304	4981.96679	4977.77929	0.05945	ug/L	10/18/10	22:24	
CCV	Fe	5036.54492	5024.48730	5048.60253	0.33856	ug/L	10/18/10	22:24	
CCV	2Fe	5.03654	5.02449	5.04860	0.33852	mg/L	10/18/10	22:24	
CCV	K	9548.41210	9551.16601	9545.65917	0.04078	ug/L	10/18/10	22:24	
CCV	Mg	5145.41894	5150.98730	5139.85107	0.15303	ug/L	10/18/10	22:24	
CCV	2Mg	5.14540	5.15096	5.13983	0.15302	mg/L	10/18/10	22:24	
CCV	Mn	5062.20507	5059.45849	5064.95117	0.07672	ug/L	10/18/10	22:24	
CCV	Mo	493.96600	494.03179	493.90017	0.01884	ug/L	10/18/10	22:24	
CCV	Na	7180.50390	7100.78808	7260.21923	1.57001	ug/L	10/18/10	22:24	
CCV	Ni	2542.62304	2547.04760	2538.19824	0.24610	ug/L	10/18/10	22:24	
CCV	Pb	510.65692	510.60012	510.71371	0.01572	ug/L	10/18/10	22:24	
CCV	Se	4989.83837	4992.58789	4987.08886	0.07792	ug/L	10/18/10	22:24	
CCV	Sb	491.47412	488.64205	494.30618	0.81492	ug/L	10/18/10	22:24	
CCV	Sn	5047.47167	5043.15673	5051.78710	0.12090	ug/L	10/18/10	22:24	
CCV	Sr	2489.70703	2490.45336	2488.96093	0.04238	ug/L	10/18/10	22:24	
CCV	Ti	498.55364	498.97708	498.13024	0.12010	ug/L	10/18/10	22:24	
CCV	Tl	4970.19189	4989.28222	4951.10156	0.54319	ug/L	10/18/10	22:24	
CCV	V	5050.15625	5047.65039	5052.66162	0.07016	ug/L	10/18/10	22:24	
CCV	Zn	2558.71948	2559.98120	2557.45776	0.06973	ug/L	10/18/10	22:24	
CCV	2203/1	513.99523	514.49475	513.49566	0.13744	ug/L	10/18/10	22:24	
CCV	2203/2	508.99029	508.65573	509.32482	0.09295	ug/L	10/18/10	22:24	
CCV	1960/1	5085.53662	5087.47705	5083.59619	0.05396	ug/L	10/18/10	22:24	
CCV	1960/2	4942.06054	4945.21435	4938.90722	0.09024	ug/L	10/18/10	22:24	
CCV	Y	1016.80200	1016.57696	1017.02697	0.03129		10/18/10	22:24	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	1.14222	0.12496	2.15947	125.94858	ug/L	10/18/10	22:29	
CCB	Al	-17.51525	-12.42075	-22.60975	41.13389	ug/L	10/18/10	22:29	
CCB	2Al	-0.01751	-0.01242	-0.02261	41.13400	mg/L	10/18/10	22:29	
CCB	As	2.11881	4.44113	-0.20350	155.00465	ug/L	10/18/10	22:29	
CCB	B	6.02854	8.58394	3.47314	59.94606	ug/L	10/18/10	22:29	
CCB	Ba	0.94224	0.36603	1.51845	86.48397	ug/L	10/18/10	22:29	
CCB	Be	0.09825	0.00521	0.19128	133.90933	ug/L	10/18/10	22:29	
CCB	Ca	5.89782	3.52128	8.27436	56.98594	ug/L	10/18/10	22:29	
CCB	Cd	-0.00398	-0.30504	0.29707	10689.13867	ug/L	10/18/10	22:29	
CCB	Co	-0.64229	-0.95729	-0.32728	69.35821	ug/L	10/18/10	22:29	
CCB	Cr	-0.02684	-0.25367	0.19998	1195.08642	ug/L	10/18/10	22:29	
CCB	Cu	0.05349	-0.09288	0.19987	386.95861	ug/L	10/18/10	22:29	
CCB	Fe	4.23270	6.11278	2.35262	62.81644	ug/L	10/18/10	22:29	
CCB	2Fe	0.00423	0.00611	0.00235	62.80909	mg/L	10/18/10	22:29	
CCB	K	17.98287	3.03652	32.92924	117.54148	ug/L	10/18/10	22:29	
CCB	Mg	-11.74367	-11.74814	-11.73919	0.05387	ug/L	10/18/10	22:29	
CCB	2Mg	-0.01174	-0.01174	-0.01173	0.06038	mg/L	10/18/10	22:29	
CCB	Mn	0.57089	0.11355	1.02824	113.29290	ug/L	10/18/10	22:29	
CCB	Mo	1.21609	1.21635	1.21584	0.02993	ug/L	10/18/10	22:29	
CCB	Na	99.31170	-75.15750	273.78091	248.44676	ug/L	10/18/10	22:29	
CCB	Ni	1.42868	0.42851	2.42885	99.00352	ug/L	10/18/10	22:29	
CCB	Pb	-3.33173	-3.02095	-3.64251	13.19166	ug/L	10/18/10	22:29	
CCB	Se	4.01375	-1.03721	9.06472	177.96682	ug/L	10/18/10	22:29	
CCB	Sb	-1.59297	-3.71565	0.52970	188.44783	ug/L	10/18/10	22:29	
CCB	Sn	6.69412	4.20931	9.17894	52.49464	ug/L	10/18/10	22:29	
CCB	Sr	0.27341	0.08497	0.46185	97.47084	ug/L	10/18/10	22:29	
CCB	Ti	-0.26572	-0.20290	-0.32855	33.43449	ug/L	10/18/10	22:29	
CCB	Tl	4.72700	4.10346	5.35053	18.65480	ug/L	10/18/10	22:29	
CCB	V	1.80998	0.53921	3.08074	99.29029	ug/L	10/18/10	22:29	
CCB	Zn	0.20823	-0.11395	0.53041	218.81236	ug/L	10/18/10	22:29	
CCB	2203/1	8.02899	2.89386	13.16413	90.44938	ug/L	10/18/10	22:29	
CCB	2203/2	-9.00359	-5.97393	-12.03325	47.58749	ug/L	10/18/10	22:29	
CCB	1960/1	16.22430	4.30840	28.14021	103.86656	ug/L	10/18/10	22:29	
CCB	1960/2	-2.08236	-3.70602	-0.45871	110.26815	ug/L	10/18/10	22:29	
CCB	Y	1012.17144	1011.94195	1012.40093	0.03206		10/18/10	22:29	
61963-29 1/10	Ag	0.51163	-0.10671	1.12997	170.91741	ug/L	10/18/10	22:34	
61963-29 1/10	Al	445.54071	446.13043	444.95098	0.18718	ug/L	10/18/10	22:34	
61963-29 1/10	2Al	0.44557	0.44616	0.44498	0.18718	mg/L	10/18/10	22:34	
61963-29 1/10	As	2.51541	5.79049	-0.75966	184.13131	ug/L	10/18/10	22:34	
61963-29 1/10	B	28.87006	28.49271	29.24741	1.84844	ug/L	10/18/10	22:34	
61963-29 1/10	Ba	3.70081	3.38431	4.01732	12.09473	ug/L	10/18/10	22:34	
61963-29 1/10	Be	0.00452	0.00111	0.00794	106.63161	ug/L	10/18/10	22:34	
61963-29 1/10	Ca	86168.21875	86319.15625	86017.27343	0.24772	ug/L	10/18/10	22:34	
61963-29 1/10	Cd	0.42621	0.26427	0.58815	53.73311	ug/L	10/18/10	22:34	
61963-29 1/10	Co	0.33352	1.01910	-0.35205	290.70010	ug/L	10/18/10	22:34	
61963-29 1/10	Cr	5.49718	5.87482	5.11954	9.71524	ug/L	10/18/10	22:34	
61963-29 1/10	Cu	3.62850	3.34794	3.90906	10.93483	ug/L	10/18/10	22:34	
61963-29 1/10	Fe	381.64324	358.68762	404.59884	8.50640	ug/L	10/18/10	22:34	
61963-29 1/10	2Fe	0.38159	0.35864	0.40454	8.50633	mg/L	10/18/10	22:34	
61963-29 1/10	K	503.11840	494.62493	511.61184	2.38742	ug/L	10/18/10	22:34	
61963-29 1/10	Mg	3276.15283	3283.33081	3268.97509	0.30984	ug/L	10/18/10	22:34	
61963-29 1/10	2Mg	3.27516	3.28234	3.26798	0.31003	mg/L	10/18/10	22:34	
61963-29 1/10	Mn	3.16849	3.19021	3.14678	0.96917	ug/L	10/18/10	22:34	
61963-29 1/10	Mo	1.71102	2.81061	0.61142	90.88531	ug/L	10/18/10	22:34	
61963-29 1/10	Na	9766.70996	9698.03320	9835.38671	0.99443	ug/L	10/18/10	22:34	
61963-29 1/10	Ni	0.71524	0.44214	0.98834	53.99904	ug/L	10/18/10	22:34	
61963-29 1/10	Pb	8.59193	10.10130	7.08256	24.84394	ug/L	10/18/10	22:34	
61963-29 1/10	Se	-0.92891	-0.01447	-1.84335	139.21771	ug/L	10/18/10	22:34	
61963-29 1/10	Sb	-6.91248	-7.54306	-6.28189	12.90100	ug/L	10/18/10	22:34	
61963-29 1/10	Sn	1.31873	0.41342	2.22404	97.08551	ug/L	10/18/10	22:34	
61963-29 1/10	Sr	646.01953	647.94384	644.09527	0.42124	ug/L	10/18/10	22:34	
61963-29 1/10	Ti	8.82460	8.86095	8.78824	0.58255	ug/L	10/18/10	22:34	
61963-29 1/10	Tl	-4.51361	-5.82053	-3.20669	40.94849	ug/L	10/18/10	22:34	
61963-29 1/10	V	3.86679	3.62409	4.10949	8.87639	ug/L	10/18/10	22:34	
61963-29 1/10	Zn	26.74127	26.26586	27.21668	2.51419	ug/L	10/18/10	22:34	
61963-29 1/10	2203/1	9.78135	8.71357	10.84913	15.43823	ug/L	10/18/10	22:34	
61963-29 1/10	2203/2	7.99840	10.79470	5.20210	49.44196	ug/L	10/18/10	22:34	
61963-29 1/10	1960/1	1.61336	1.13158	2.09513	42.23069	ug/L	10/18/10	22:34	
61963-29 1/10	1960/2	-2.19814	-0.58664	-3.80964	103.67857	ug/L	10/18/10	22:34	
61963-29 1/10	Y	1001.71795	1003.67095	999.76495	0.27572		10/18/10	22:34	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-30 1/10	Ag	1.23331	2.04996	0.41666	93.64353	ug/L	10/18/10	22:40	
61963-30 1/10	Al	525.79516	523.48168	528.10858	0.62223	ug/L	10/18/10	22:40	
61963-30 1/10	2Al	0.52583	0.52351	0.52814	0.62222	mg/L	10/18/10	22:40	
61963-30 1/10	As	-0.69744	-2.86519	1.47031	439.56024	ug/L	10/18/10	22:40	
61963-30 1/10	B	27.89698	27.97268	27.82127	0.38378	ug/L	10/18/10	22:40	
61963-30 1/10	Ba	3.84689	3.80508	3.88871	1.53708	ug/L	10/18/10	22:40	
61963-30 1/10	Be	0.06172	0.06592	0.05753	9.60404	ug/L	10/18/10	22:40	
61963-30 1/10	Ca	106989.96875	107581.75781	106398.17187	0.78224	ug/L	10/18/10	22:40	
61963-30 1/10	Cd	0.36695	0.38734	0.34656	7.85943	ug/L	10/18/10	22:40	
61963-30 1/10	Co	0.17252	0.40944	-0.06439	194.20738	ug/L	10/18/10	22:40	
61963-30 1/10	Cr	4.72198	4.70229	4.74168	0.58989	ug/L	10/18/10	22:40	
61963-30 1/10	Cu	1.93751	2.43127	1.44375	36.04017	ug/L	10/18/10	22:40	
61963-30 1/10	Fe	384.81887	398.19897	371.43878	4.91720	ug/L	10/18/10	22:40	
61963-30 1/10	2Fe	0.38477	0.39814	0.37139	4.91721	mg/L	10/18/10	22:40	
61963-30 1/10	K	453.80264	461.83169	445.77359	2.50214	ug/L	10/18/10	22:40	
61963-30 1/10	Mg	5682.84667	5705.49804	5660.19482	0.56370	ug/L	10/18/10	22:40	
61963-30 1/10	2Mg	5.68117	5.70381	5.65853	0.56364	mg/L	10/18/10	22:40	
61963-30 1/10	Mn	5.12141	5.14546	5.09737	0.66403	ug/L	10/18/10	22:40	
61963-30 1/10	Mo	-0.75013	-0.61935	-0.88092	24.65672	ug/L	10/18/10	22:40	
61963-30 1/10	Na	9806.70703	9795.83203	9817.58203	0.15682	ug/L	10/18/10	22:40	
61963-30 1/10	Ni	0.59421	0.36602	0.82240	54.30860	ug/L	10/18/10	22:40	
61963-30 1/10	Pb	5.06171	4.83237	5.29105	6.40768	ug/L	10/18/10	22:40	
61963-30 1/10	Se	3.10153	4.35398	1.84908	57.10823	ug/L	10/18/10	22:40	
61963-30 1/10	Sb	-3.40609	-0.80059	-6.01158	108.18061	ug/L	10/18/10	22:40	
61963-30 1/10	Sn	1.22560	2.38352	0.06768	133.61160	ug/L	10/18/10	22:40	
61963-30 1/10	Sr	906.39660	912.75897	900.03430	0.99268	ug/L	10/18/10	22:40	
61963-30 1/10	Ti	7.32380	7.31951	7.32809	0.08279	ug/L	10/18/10	22:40	
61963-30 1/10	Tl	-6.92866	-2.23724	-11.62008	95.75679	ug/L	10/18/10	22:40	
61963-30 1/10	V	3.16088	3.25420	3.06757	4.17499	ug/L	10/18/10	22:40	
61963-30 1/10	Zn	11.05960	11.06602	11.05318	0.08210	ug/L	10/18/10	22:40	
61963-30 1/10	2203/1	6.86999	8.10607	5.63390	25.44529	ug/L	10/18/10	22:40	
61963-30 1/10	2203/2	4.15893	3.19797	5.11989	32.67662	ug/L	10/18/10	22:40	
61963-30 1/10	1960/1	12.52984	12.20296	12.85672	3.68938	ug/L	10/18/10	22:40	
61963-30 1/10	1960/2	-1.60555	0.43537	-3.64648	179.77079	ug/L	10/18/10	22:40	
61963-30 1/10	Y	1009.96191	1009.39495	1010.52893	0.07939		10/18/10	22:40	
61963-30S 1/10	Ag	5.46888	5.15281	5.78494	8.17332	ug/L	10/18/10	22:45	
61963-30S 1/10	Al	838.09564	837.77539	838.41589	0.05403	ug/L	10/18/10	22:45	
61963-30S 1/10	2Al	0.83815	0.83783	0.83847	0.05403	mg/L	10/18/10	22:45	
61963-30S 1/10	As	209.78695	206.43260	213.14129	2.26122	ug/L	10/18/10	22:45	
61963-30S 1/10	B	126.38938	125.72560	127.05316	0.74272	ug/L	10/18/10	22:45	
61963-30S 1/10	Ba	214.51405	214.83731	214.19079	0.21311	ug/L	10/18/10	22:45	
61963-30S 1/10	Be	5.34896	5.34433	5.35359	0.12233	ug/L	10/18/10	22:45	
61963-30S 1/10	Ca	103254.28906	103245.74218	103262.83593	0.01170	ug/L	10/18/10	22:45	
61963-30S 1/10	Cd	5.29397	5.09537	5.49257	5.30540	ug/L	10/18/10	22:45	
61963-30S 1/10	Co	52.97198	54.15480	51.78916	3.15781	ug/L	10/18/10	22:45	
61963-30S 1/10	Cr	23.27106	22.72310	23.81902	3.33005	ug/L	10/18/10	22:45	
61963-30S 1/10	Cu	28.52806	28.15746	28.89866	1.83717	ug/L	10/18/10	22:45	
61963-30S 1/10	Fe	512.31756	503.23635	521.39874	2.50679	ug/L	10/18/10	22:45	
61963-30S 1/10	2Fe	0.51227	0.50319	0.52135	2.50659	mg/L	10/18/10	22:45	
61963-30S 1/10	K	981.36706	978.84368	983.89038	0.36363	ug/L	10/18/10	22:45	
61963-30S 1/10	Mg	6183.60986	6178.63867	6188.58105	0.11369	ug/L	10/18/10	22:45	
61963-30S 1/10	2Mg	6.18180	6.17683	6.18676	0.11366	mg/L	10/18/10	22:45	
61963-30S 1/10	Mn	59.26974	59.40765	59.13183	0.32905	ug/L	10/18/10	22:45	
61963-30S 1/10	Mo	50.18846	49.22490	51.15203	2.71513	ug/L	10/18/10	22:45	
61963-30S 1/10	Na	10568.40429	10588.80566	10548.00195	0.27300	ug/L	10/18/10	22:45	
61963-30S 1/10	Ni	55.05926	55.59996	54.51856	1.38879	ug/L	10/18/10	22:45	
61963-30S 1/10	Pb	53.32388	54.82768	51.82008	3.98825	ug/L	10/18/10	22:45	
61963-30S 1/10	Se	213.78906	215.51809	212.06001	1.14376	ug/L	10/18/10	22:45	
61963-30S 1/10	Sb	47.95548	50.26245	45.64851	6.80328	ug/L	10/18/10	22:45	
61963-30S 1/10	Sn	103.02097	104.19435	101.84759	1.61074	ug/L	10/18/10	22:45	
61963-30S 1/10	Sr	929.84515	930.93829	928.75201	0.16625	ug/L	10/18/10	22:45	
61963-30S 1/10	Ti	110.24563	110.28002	110.21125	0.04410	ug/L	10/18/10	22:45	
61963-30S 1/10	Tl	213.86607	218.17066	209.56147	2.84646	ug/L	10/18/10	22:45	
61963-30S 1/10	V	55.29657	54.71746	55.87568	1.48107	ug/L	10/18/10	22:45	
61963-30S 1/10	Zn	64.49630	64.32711	64.66550	0.37099	ug/L	10/18/10	22:45	
61963-30S 1/10	2203/1	57.60435	56.78116	58.42753	2.02095	ug/L	10/18/10	22:45	
61963-30S 1/10	2203/2	51.18685	53.85240	48.52131	7.36449	ug/L	10/18/10	22:45	
61963-30S 1/10	1960/1	221.58789	220.32173	222.85403	0.80808	ug/L	10/18/10	22:45	
61963-30S 1/10	1960/2	209.89549	213.11988	206.67109	2.17250	ug/L	10/18/10	22:45	
61963-30S 1/10	Y	1007.92797	1007.02795	1008.82794	0.12627		10/18/10	22:45	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-30SD 1/10	Ag	5.57193	5.68931	5.45454	2.97927	ug/L	10/18/10	22:50	
61963-30SD 1/10	Al	908.27130	918.40771	898.13488	1.57827	ug/L	10/18/10	22:50	
61963-30SD 1/10	2Al	0.90833	0.91846	0.89819	1.57827	mg/L	10/18/10	22:50	
61963-30SD 1/10	As	216.66574	215.66952	217.66197	0.65025	ug/L	10/18/10	22:50	
61963-30SD 1/10	B	133.32937	133.58338	133.07537	0.26942	ug/L	10/18/10	22:50	
61963-30SD 1/10	Ba	218.39581	219.62907	217.16253	0.79859	ug/L	10/18/10	22:50	
61963-30SD 1/10	Be	5.45446	5.46451	5.44441	0.26054	ug/L	10/18/10	22:50	
61963-30SD 1/10	Ca	91233.17968	91584.66406	90881.69531	0.54483	ug/L	10/18/10	22:50	
61963-30SD 1/10	Cd	5.50493	5.31913	5.69072	4.77316	ug/L	10/18/10	22:50	
61963-30SD 1/10	Co	54.49100	54.28307	54.69893	0.53964	ug/L	10/18/10	22:50	
61963-30SD 1/10	Cr	23.95450	24.16388	23.74512	1.23612	ug/L	10/18/10	22:50	
61963-30SD 1/10	Cu	28.69595	28.07250	29.31940	3.07252	ug/L	10/18/10	22:50	
61963-30SD 1/10	Fe	542.18786	522.96203	561.41369	5.01476	ug/L	10/18/10	22:50	
61963-30SD 1/10	2Fe	0.54214	0.52291	0.56136	5.01458	mg/L	10/18/10	22:50	
61963-30SD 1/10	K	1025.47204	1017.14855	1033.79553	1.14787	ug/L	10/18/10	22:50	
61963-30SD 1/10	Mg	6626.03027	6650.03125	6602.02978	0.51225	ug/L	10/18/10	22:50	
61963-30SD 1/10	2Mg	6.62409	6.64808	6.60009	0.51234	mg/L	10/18/10	22:50	
61963-30SD 1/10	Mn	60.25706	60.46852	60.04560	0.49628	ug/L	10/18/10	22:50	
61963-30SD 1/10	Mo	52.03739	51.52833	52.54644	1.38343	ug/L	10/18/10	22:50	
61963-30SD 1/10	Na	11318.04492	11277.67773	11358.41308	0.50440	ug/L	10/18/10	22:50	
61963-30SD 1/10	Ni	54.63800	54.82794	54.44805	0.49164	ug/L	10/18/10	22:50	
61963-30SD 1/10	Pb	58.20323	59.23389	57.17258	2.50427	ug/L	10/18/10	22:50	
61963-30SD 1/10	Se	219.41172	219.43582	219.38763	0.01552	ug/L	10/18/10	22:50	
61963-30SD 1/10	Sb	47.28382	47.42381	47.14382	0.41871	ug/L	10/18/10	22:50	
61963-30SD 1/10	Sn	108.16415	104.79806	111.53023	4.40105	ug/L	10/18/10	22:50	
61963-30SD 1/10	Sr	839.77014	844.62664	834.91357	0.81786	ug/L	10/18/10	22:50	
61963-30SD 1/10	Ti	112.81428	113.29694	112.33162	0.60504	ug/L	10/18/10	22:50	
61963-30SD 1/10	Tl	217.72172	221.13650	214.30694	2.21807	ug/L	10/18/10	22:50	
61963-30SD 1/10	V	56.06903	55.46768	56.67037	1.51676	ug/L	10/18/10	22:50	
61963-30SD 1/10	Zn	67.09815	67.14760	67.04871	0.10421	ug/L	10/18/10	22:50	
61963-30SD 1/10	2203/1	62.89087	61.21137	64.57037	3.77665	ug/L	10/18/10	22:50	
61963-30SD 1/10	2203/2	55.86293	58.24664	53.47923	6.03452	ug/L	10/18/10	22:50	
61963-30SD 1/10	1960/1	232.82843	231.71255	233.94429	0.67778	ug/L	10/18/10	22:50	
61963-30SD 1/10	1960/2	212.71343	213.30665	212.12022	0.39439	ug/L	10/18/10	22:50	
61963-30SD 1/10	Y	1015.44750	1015.19097	1015.70397	0.03572		10/18/10	22:50	
61963-37 1/10	Ag	0.39290	0.59846	0.18734	73.98851	ug/L	10/18/10	22:55	
61963-37 1/10	Al	1817.69189	1826.05432	1809.32934	0.65062	ug/L	10/18/10	22:55	
61963-37 1/10	2Al	1.81761	1.82597	1.80924	0.65069	mg/L	10/18/10	22:55	
61963-37 1/10	As	3.27123	5.28101	1.26145	86.88629	ug/L	10/18/10	22:55	
61963-37 1/10	B	18.00418	17.52388	18.48448	3.77273	ug/L	10/18/10	22:55	
61963-37 1/10	Ba	6.10367	6.08815	6.11918	0.35952	ug/L	10/18/10	22:55	
61963-37 1/10	Be	0.06252	0.05366	0.07139	20.04742	ug/L	10/18/10	22:55	
61963-37 1/10	Ca	207915.59375	208678.75000	207152.45312	0.51908	ug/L	10/18/10	22:55	
61963-37 1/10	Cd	-0.26687	-0.47861	-0.05513	112.20216	ug/L	10/18/10	22:55	
61963-37 1/10	Co	1.62003	2.20810	1.03197	51.33512	ug/L	10/18/10	22:55	
61963-37 1/10	Cr	7.19389	7.30721	7.08056	2.22784	ug/L	10/18/10	22:55	
61963-37 1/10	Cu	14.60938	14.69183	14.52693	0.79813	ug/L	10/18/10	22:55	
61963-37 1/10	Fe	2428.37109	2422.29736	2434.44506	0.35372	ug/L	10/18/10	22:55	
61963-37 1/10	2Fe	2.42806	2.42199	2.43413	0.35371	mg/L	10/18/10	22:55	
61963-37 1/10	K	289.94683	281.96096	297.93267	3.89509	ug/L	10/18/10	22:55	
61963-37 1/10	Mg	2237.06787	2245.82910	2228.30688	0.55385	ug/L	10/18/10	22:55	
61963-37 1/10	2Mg	2.23601	2.24477	2.22725	0.55401	mg/L	10/18/10	22:55	
61963-37 1/10	Mn	19.35132	19.42682	19.27581	0.55177	ug/L	10/18/10	22:55	
61963-37 1/10	Mo	1.00739	1.13960	0.87517	18.56089	ug/L	10/18/10	22:55	
61963-37 1/10	Na	3991.91186	3930.83251	4052.99121	2.16385	ug/L	10/18/10	22:55	
61963-37 1/10	Ni	1.57973	0.69592	2.46354	79.12053	ug/L	10/18/10	22:55	
61963-37 1/10	Pb	36.51109	39.02883	33.99335	9.75215	ug/L	10/18/10	22:55	
61963-37 1/10	Se	4.83141	5.75643	3.90639	27.07643	ug/L	10/18/10	22:55	
61963-37 1/10	Sb	-2.32951	-3.11263	-1.54639	47.54204	ug/L	10/18/10	22:55	
61963-37 1/10	Sn	0.99168	0.34419	1.63918	92.33707	ug/L	10/18/10	22:55	
61963-37 1/10	Sr	2017.04003	2023.59265	2010.48754	0.45942	ug/L	10/18/10	22:55	
61963-37 1/10	Ti	80.91577	81.07686	80.75469	0.28154	ug/L	10/18/10	22:55	
61963-37 1/10	Tl	-4.66375	-6.43809	-2.88941	53.80410	ug/L	10/18/10	22:55	
61963-37 1/10	V	8.63755	7.74214	9.53296	14.66044	ug/L	10/18/10	22:55	
61963-37 1/10	Zn	173.68243	174.08290	173.28195	0.32608	ug/L	10/18/10	22:55	
61963-37 1/10	2203/1	39.52491	40.88555	38.16428	4.86838	ug/L	10/18/10	22:55	
61963-37 1/10	2203/2	35.00643	38.10186	31.91101	12.50508	ug/L	10/18/10	22:55	
61963-37 1/10	1960/1	6.27826	4.29002	8.26651	44.78626	ug/L	10/18/10	22:55	
61963-37 1/10	1960/2	4.10907	6.48853	1.72960	81.89376	ug/L	10/18/10	22:55	
61963-37 1/10	Y	1001.69543	1001.82592	1001.56494	0.01842		10/18/10	22:55	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-38 1/10	Ag	0.92370	0.71776	1.12964	31.53007	ug/L	10/18/10	23:01	
61963-38 1/10	Al	1207.16345	1222.26220	1192.06469	1.76884	ug/L	10/18/10	23:01	
61963-38 1/10	2Al	1.20724	1.22234	1.19214	1.76883	mg/L	10/18/10	23:01	
61963-38 1/10	As	2.40153	2.37406	2.42900	1.61784	ug/L	10/18/10	23:01	
61963-38 1/10	B	18.76594	18.34636	19.18551	3.16194	ug/L	10/18/10	23:01	
61963-38 1/10	Ba	8.86862	8.78782	8.94943	1.28855	ug/L	10/18/10	23:01	
61963-38 1/10	Be	0.10655	0.08853	0.12457	23.91282	ug/L	10/18/10	23:01	
61963-38 1/10	Ca	236489.82812	239505.59375	233474.06250	1.80343	ug/L	10/18/10	23:01	
61963-38 1/10	Cd	-0.11294	-0.16278	-0.06311	62.39516	ug/L	10/18/10	23:01	
61963-38 1/10	Co	0.23233	0.00599	0.45867	137.77516	ug/L	10/18/10	23:01	
61963-38 1/10	Cr	3.90195	3.87914	3.92477	0.82689	ug/L	10/18/10	23:01	
61963-38 1/10	Cu	7.22446	7.71815	6.73076	9.66420	ug/L	10/18/10	23:01	
61963-38 1/10	Fe	898.62194	903.11553	894.12841	0.70717	ug/L	10/18/10	23:01	
61963-38 1/10	2Fe	0.89850	0.90300	0.89401	0.70715	mg/L	10/18/10	23:01	
61963-38 1/10	K	267.68017	259.73916	275.62118	4.19541	ug/L	10/18/10	23:01	
61963-38 1/10	Mg	4104.42919	4157.53955	4051.31860	1.82996	ug/L	10/18/10	23:01	
61963-38 1/10	2Mg	4.10311	4.15621	4.05002	1.83000	mg/L	10/18/10	23:01	
61963-38 1/10	Mn	17.64938	17.89918	17.39958	2.00158	ug/L	10/18/10	23:01	
61963-38 1/10	Mo	-0.71439	-1.86334	0.43454	227.44406	ug/L	10/18/10	23:01	
61963-38 1/10	Na	3240.78759	3379.18139	3102.39355	6.03922	ug/L	10/18/10	23:01	
61963-38 1/10	Ni	1.14955	0.25091	2.04820	110.55357	ug/L	10/18/10	23:01	
61963-38 1/10	Pb	12.08270	11.92484	12.24057	1.84772	ug/L	10/18/10	23:01	
61963-38 1/10	Se	0.21229	2.05667	-1.63208	1228.62109	ug/L	10/18/10	23:01	
61963-38 1/10	Sb	-0.69928	-6.38238	4.98381	1149.33361	ug/L	10/18/10	23:01	
61963-38 1/10	Sn	5.02107	2.24075	7.80139	78.30937	ug/L	10/18/10	23:01	
61963-38 1/10	Sr	2426.66943	2460.70385	2392.63525	1.98344	ug/L	10/18/10	23:01	
61963-38 1/10	Ti	17.76033	18.14189	17.37877	3.03824	ug/L	10/18/10	23:01	
61963-38 1/10	Tl	-3.00174	-7.49991	1.49641	211.92196	ug/L	10/18/10	23:01	
61963-38 1/10	V	2.14350	1.73033	2.55666	27.25943	ug/L	10/18/10	23:01	
61963-38 1/10	Zn	26.36216	26.75458	25.96974	2.10515	ug/L	10/18/10	23:01	
61963-38 1/10	2203/1	16.82864	14.32300	19.33428	21.05640	ug/L	10/18/10	23:01	
61963-38 1/10	2203/2	9.71329	10.72756	8.69903	14.76718	ug/L	10/18/10	23:01	
61963-38 1/10	1960/1	7.04072	1.67337	12.40807	107.80957	ug/L	10/18/10	23:01	
61963-38 1/10	1960/2	-3.19679	2.24804	-8.64163	240.87123	ug/L	10/18/10	23:01	
61963-38 1/10	Y	999.95843	999.90893	1000.00793	0.00700		10/18/10	23:01	
61963-39 1/10	Ag	1.10475	1.07670	1.13279	3.59026	ug/L	10/18/10	23:06	
61963-39 1/10	Al	191.53012	195.11253	187.94769	2.64517	ug/L	10/18/10	23:06	
61963-39 1/10	2Al	0.19154	0.19512	0.18796	2.64517	mg/L	10/18/10	23:06	
61963-39 1/10	As	2.00763	-0.28125	4.29653	161.23324	ug/L	10/18/10	23:06	
61963-39 1/10	B	22.39696	20.76353	24.03038	10.31394	ug/L	10/18/10	23:06	
61963-39 1/10	Ba	9.52801	9.52362	9.53240	0.06516	ug/L	10/18/10	23:06	
61963-39 1/10	Be	0.10961	0.08681	0.13241	29.41929	ug/L	10/18/10	23:06	
61963-39 1/10	Ca	284761.15625	285633.12500	283889.18750	0.43304	ug/L	10/18/10	23:06	
61963-39 1/10	Cd	0.25424	0.29076	0.21772	20.31516	ug/L	10/18/10	23:06	
61963-39 1/10	Co	-0.27050	-0.15531	-0.38568	60.21817	ug/L	10/18/10	23:06	
61963-39 1/10	Cr	3.64065	3.62209	3.65922	0.72114	ug/L	10/18/10	23:06	
61963-39 1/10	Cu	1.84242	2.11187	1.57297	20.68276	ug/L	10/18/10	23:06	
61963-39 1/10	Fe	420.45928	407.53378	433.38476	4.34748	ug/L	10/18/10	23:06	
61963-39 1/10	2Fe	0.42040	0.40748	0.43332	4.34749	mg/L	10/18/10	23:06	
61963-39 1/10	K	192.50405	191.73590	193.27221	0.56432	ug/L	10/18/10	23:06	
61963-39 1/10	Mg	4929.81640	4947.45263	4912.17968	0.50593	ug/L	10/18/10	23:06	
61963-39 1/10	2Mg	4.92836	4.94599	4.91072	0.50601	mg/L	10/18/10	23:06	
61963-39 1/10	Mn	27.21745	27.29082	27.14408	0.38123	ug/L	10/18/10	23:06	
61963-39 1/10	Mo	-1.33590	0.34738	-3.01919	178.19619	ug/L	10/18/10	23:06	
61963-39 1/10	Na	3792.52734	3886.14892	3698.90551	3.49110	ug/L	10/18/10	23:06	
61963-39 1/10	Ni	0.43031	-0.10858	0.96921	177.10714	ug/L	10/18/10	23:06	
61963-39 1/10	Pb	13.21935	13.50049	12.93820	3.00775	ug/L	10/18/10	23:06	
61963-39 1/10	Se	1.14545	0.38558	1.90532	93.81554	ug/L	10/18/10	23:06	
61963-39 1/10	Sb	-1.19731	0.23487	-2.62950	169.16349	ug/L	10/18/10	23:06	
61963-39 1/10	Sn	6.33178	3.21939	9.44418	69.51576	ug/L	10/18/10	23:06	
61963-39 1/10	Sr	3623.58496	3641.58129	3605.58837	0.70236	ug/L	10/18/10	23:06	
61963-39 1/10	Ti	5.16387	5.22510	5.10263	1.67701	ug/L	10/18/10	23:06	
61963-39 1/10	Tl	-5.35551	-8.06217	-2.64884	71.47400	ug/L	10/18/10	23:06	
61963-39 1/10	V	2.35844	2.00304	2.71383	21.31086	ug/L	10/18/10	23:06	
61963-39 1/10	Zn	26.15811	25.89340	26.42282	1.43114	ug/L	10/18/10	23:06	
61963-39 1/10	2203/1	19.13728	17.75237	20.52219	10.23426	ug/L	10/18/10	23:06	
61963-39 1/10	2203/2	10.26481	11.37775	9.15188	15.33319	ug/L	10/18/10	23:06	
61963-39 1/10	1960/1	12.00841	14.00879	10.00804	23.55810	ug/L	10/18/10	23:06	
61963-39 1/10	1960/2	-4.27788	-6.41580	-2.13996	70.67691	ug/L	10/18/10	23:06	
61963-39 1/10	Y	996.57446	995.46295	997.68597	0.15773		10/18/10	23:06	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	504.21722	503.23431	505.20013	0.27568	ug/L	10/18/10	23:11	
CCV	Al	5028.65820	5018.48828	5038.82812	0.28600	ug/L	10/18/10	23:11	
CCV	2Al	5.02884	5.01857	5.03911	0.28880	mg/L	10/18/10	23:11	
CCV	As	508.05581	509.27667	506.83496	0.33983	ug/L	10/18/10	23:11	
CCV	B	5091.59130	5079.98242	5103.20019	0.32244	ug/L	10/18/10	23:11	
CCV	Ba	5023.18847	5021.25830	5025.11914	0.05434	ug/L	10/18/10	23:11	
CCV	Be	513.00085	512.29058	513.71118	0.19581	ug/L	10/18/10	23:11	
CCV	Ca	5060.34765	5050.48486	5070.21093	0.27564	ug/L	10/18/10	23:11	
CCV	Cd	503.87951	503.67269	504.08630	0.05804	ug/L	10/18/10	23:11	
CCV	Co	514.67913	513.69793	515.66033	0.26961	ug/L	10/18/10	23:11	
CCV	Cr	5093.35253	5084.96240	5101.74218	0.23295	ug/L	10/18/10	23:11	
CCV	Cu	5036.57128	5035.12353	5038.01953	0.04065	ug/L	10/18/10	23:11	
CCV	Fe	5101.71435	5087.32324	5116.10546	0.39892	ug/L	10/18/10	23:11	
CCV	2Fe	5.10171	5.08732	5.11610	0.39890	mg/L	10/18/10	23:11	
CCV	K	9624.79296	9623.15722	9626.42968	0.02404	ug/L	10/18/10	23:11	
CCV	Mg	5229.52539	5214.60839	5244.44287	0.40340	ug/L	10/18/10	23:11	
CCV	2Mg	5.22949	5.21458	5.24441	0.40329	mg/L	10/18/10	23:11	
CCV	Mn	5120.43701	5115.19238	5125.68164	0.14485	ug/L	10/18/10	23:11	
CCV	Mo	497.33367	496.85348	497.81390	0.13655	ug/L	10/18/10	23:11	
CCV	Na	7308.72070	7276.62988	7340.81152	0.62094	ug/L	10/18/10	23:11	
CCV	Ni	2573.64868	2575.50073	2571.79663	0.10176	ug/L	10/18/10	23:11	
CCV	Pb	516.66809	517.99163	515.34460	0.36227	ug/L	10/18/10	23:11	
CCV	Se	5058.13671	5068.51513	5047.75781	0.29017	ug/L	10/18/10	23:11	
CCV	Sb	502.41232	501.58502	503.23962	0.23287	ug/L	10/18/10	23:11	
CCV	Sn	5118.21484	5107.69140	5128.73779	0.29076	ug/L	10/18/10	23:11	
CCV	Sr	2509.39428	2511.83227	2506.95629	0.13739	ug/L	10/18/10	23:11	
CCV	Ti	505.10626	504.46701	505.74554	0.17898	ug/L	10/18/10	23:11	
CCV	Tl	5023.92773	5023.00683	5024.84912	0.02592	ug/L	10/18/10	23:11	
CCV	V	5121.97802	5117.57812	5126.37792	0.12148	ug/L	10/18/10	23:11	
CCV	Zn	2592.11083	2587.18188	2597.03955	0.26890	ug/L	10/18/10	23:11	
CCV	2203/1	525.77929	528.24035	523.31817	0.66197	ug/L	10/18/10	23:11	
CCV	2203/2	512.11938	512.87500	511.36383	0.20865	ug/L	10/18/10	23:11	
CCV	1960/1	5165.62207	5171.13378	5160.10986	0.15090	ug/L	10/18/10	23:11	
CCV	1960/2	5004.47460	5017.28271	4991.66601	0.36195	ug/L	10/18/10	23:11	
CCV	Y	1009.73693	1008.84594	1010.62792	0.12479		10/18/10	23:11	
CCB	Ag	0.03583	-0.28187	0.35354	1253.83178	ug/L	10/18/10	23:16	
CCB	Al	-8.26663	-15.47788	-1.05537	123.36644	ug/L	10/18/10	23:16	
CCB	2Al	-0.00826	-0.01547	-0.00105	123.36624	mg/L	10/18/10	23:16	
CCB	As	-0.28986	0.91098	-1.49071	585.88092	ug/L	10/18/10	23:16	
CCB	B	9.21781	8.79284	9.64279	6.52006	ug/L	10/18/10	23:16	
CCB	Ba	1.42987	0.08912	2.77061	132.60618	ug/L	10/18/10	23:16	
CCB	Be	0.11351	0.00743	0.21959	132.15769	ug/L	10/18/10	23:16	
CCB	Ca	5.56907	3.25911	7.87902	58.65914	ug/L	10/18/10	23:16	
CCB	Cd	-0.23202	-0.49679	0.03274	161.38114	ug/L	10/18/10	23:16	
CCB	Co	-0.20656	-0.23756	-0.17557	21.21917	ug/L	10/18/10	23:16	
CCB	Cr	1.16274	-0.70647	3.03196	227.34701	ug/L	10/18/10	23:16	
CCB	Cu	1.43478	-0.17464	3.04421	158.63514	ug/L	10/18/10	23:16	
CCB	Fe	-16.38461	-17.68522	-15.08399	11.22604	ug/L	10/18/10	23:16	
CCB	2Fe	-0.01638	-0.01768	-0.01508	11.22759	mg/L	10/18/10	23:16	
CCB	K	-1.27029	-7.77843	5.23783	724.54589	ug/L	10/18/10	23:16	
CCB	Mg	-5.77439	-11.72494	0.17615	145.73553	ug/L	10/18/10	23:16	
CCB	2Mg	-0.00576	-0.01171	0.00018	145.83503	mg/L	10/18/10	23:16	
CCB	Mn	1.43234	0.02766	2.83702	138.68986	ug/L	10/18/10	23:16	
CCB	Mo	-1.48181	-1.57044	-1.39319	8.45807	ug/L	10/18/10	23:16	
CCB	Na	142.13774	250.64738	33.62808	107.96275	ug/L	10/18/10	23:16	
CCB	Ni	-0.01225	-0.62611	0.60160	7085.12158	ug/L	10/18/10	23:16	
CCB	Pb	-2.29553	-1.71917	-2.87188	35.50771	ug/L	10/18/10	23:16	
CCB	Se	2.23798	2.30357	2.17238	4.14507	ug/L	10/18/10	23:16	
CCB	Sb	-1.55668	-5.16395	2.05057	327.71115	ug/L	10/18/10	23:16	
CCB	Sn	1.59897	-1.10477	4.30273	239.13311	ug/L	10/18/10	23:16	
CCB	Sr	0.69514	0.03036	1.35992	135.24295	ug/L	10/18/10	23:16	
CCB	Ti	-0.06410	-0.47721	0.34900	911.37103	ug/L	10/18/10	23:16	
CCB	Tl	-4.31740	-0.35959	-8.27521	129.64245	ug/L	10/18/10	23:16	
CCB	V	0.30263	-1.52790	2.13318	855.40832	ug/L	10/18/10	23:16	
CCB	Zn	1.13352	-0.11611	2.38316	155.90762	ug/L	10/18/10	23:16	
CCB	2203/1	-1.01196	2.72909	-4.75302	522.81085	ug/L	10/18/10	23:16	
CCB	2203/2	-2.93635	-3.93997	-1.93273	48.33670	ug/L	10/18/10	23:16	
CCB	1960/1	7.95511	6.94767	8.96255	17.90970	ug/L	10/18/10	23:16	
CCB	1960/2	-0.61629	-0.01498	-1.21760	137.98225	ug/L	10/18/10	23:16	
CCB	Y	1017.88647	1016.71197	1019.06097	0.16318		10/18/10	23:16	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 183096	Ag	-0.10836	-0.10851	-0.10821	0.19275	ug/L	10/18/10	23:21	
PBW 183096	Al	-7.08034	-3.38398	-10.77670	73.83038	ug/L	10/18/10	23:21	
PBW 183096	2Al	-0.00708	-0.00338	-0.01077	73.83056	mg/L	10/18/10	23:21	
PBW 183096	As	0.14311	1.23084	-0.94462	1074.88342	ug/L	10/18/10	23:21	
PBW 183096	B	0.85940	1.20699	0.51181	57.19833	ug/L	10/18/10	23:21	
PBW 183096	Ba	0.06769	-0.09901	0.23439	348.27258	ug/L	10/18/10	23:21	
PBW 183096	Be	0.01698	-0.00885	0.04283	215.18070	ug/L	10/18/10	23:21	
PBW 183096	Ca	10.31641	10.23500	10.39783	1.11608	ug/L	10/18/10	23:21	
PBW 183096	Cd	-0.09347	-0.27240	0.08545	270.71542	ug/L	10/18/10	23:21	
PBW 183096	Co	-0.37599	-0.20614	-0.54584	63.88578	ug/L	10/18/10	23:21	
PBW 183096	Cr	0.28560	0.23942	0.33178	22.86718	ug/L	10/18/10	23:21	
PBW 183096	Cu	0.54995	1.19099	-0.09107	164.84216	ug/L	10/18/10	23:21	
PBW 183096	Fe	3.59055	-25.09313	32.27423	1129.76684	ug/L	10/18/10	23:21	
PBW 183096	2Fe	0.00358	-0.02509	0.03226	1129.83117	mg/L	10/18/10	23:21	
PBW 183096	K	8.82633	-0.06250	17.71517	142.42285	ug/L	10/18/10	23:21	
PBW 183096	Mg	-7.25797	-8.74509	-5.77085	28.97649	ug/L	10/18/10	23:21	
PBW 183096	2Mg	-0.00725	-0.00873	-0.00577	28.87473	mg/L	10/18/10	23:21	
PBW 183096	Mn	-0.04269	0.05495	-0.14034	323.48321	ug/L	10/18/10	23:21	
PBW 183096	Mo	-0.48169	-1.65288	0.68948	343.84747	ug/L	10/18/10	23:21	
PBW 183096	Na	163.53897	98.26178	228.81616	56.44885	ug/L	10/18/10	23:21	
PBW 183096	Ni	-0.75638	-1.30157	-0.21119	101.93385	ug/L	10/18/10	23:21	
PBW 183096	Pb	-0.02999	1.38718	-1.44716	6682.10156	ug/L	10/18/10	23:21	
PBW 183096	Se	2.63539	0.79215	4.47863	98.91251	ug/L	10/18/10	23:21	
PBW 183096	Sb	-2.84345	-1.35141	-4.33549	74.20779	ug/L	10/18/10	23:21	
PBW 183096	Sn	-0.73980	-1.75226	0.27265	193.54139	ug/L	10/18/10	23:21	
PBW 183096	Sr	-0.08077	-0.07700	-0.08454	6.60369	ug/L	10/18/10	23:21	
PBW 183096	Ti	-0.33892	-0.25082	-0.42703	36.76293	ug/L	10/18/10	23:21	
PBW 183096	Tl	-3.22762	-2.12679	-4.32846	48.23410	ug/L	10/18/10	23:21	
PBW 183096	V	-0.78350	-1.40140	-0.16560	111.53041	ug/L	10/18/10	23:21	
PBW 183096	Zn	2.31844	1.99471	2.64218	19.74724	ug/L	10/18/10	23:21	
PBW 183096	2203/1	-0.63395	-0.32813	-0.93977	68.22219	ug/L	10/18/10	23:21	
PBW 183096	2203/2	0.27153	2.24355	-1.70048	1027.07495	ug/L	10/18/10	23:21	
PBW 183096	1960/1	4.08155	-3.79298	11.95610	272.84408	ug/L	10/18/10	23:21	
PBW 183096	1960/2	1.91340	3.08129	0.74551	86.31983	ug/L	10/18/10	23:21	
PBW 183096	Y	1018.03942	1019.33996	1016.73895	0.18066		10/18/10	23:21	
LCSW-1	Ag	43.90760	43.80032	44.01488	0.34552	ug/L	10/18/10	23:27	
LCSW-1	Al	1985.09277	1985.53894	1984.64672	0.03178	ug/L	10/18/10	23:27	
LCSW-1	2Al	1.98512	1.98566	1.98457	0.03886	mg/L	10/18/10	23:27	
LCSW-1	As	1998.14575	1995.69006	2000.60131	0.17380	ug/L	10/18/10	23:27	
LCSW-1	B	971.74731	970.88360	972.61096	0.12569	ug/L	10/18/10	23:27	
LCSW-1	Ba	2012.68603	2012.39074	2012.98120	0.02074	ug/L	10/18/10	23:27	
LCSW-1	Be	50.21672	50.13495	50.29848	0.23027	ug/L	10/18/10	23:27	
LCSW-1	Ca	4998.80126	4994.39208	5003.21044	0.12474	ug/L	10/18/10	23:27	
LCSW-1	Cd	50.55085	50.56601	50.53569	0.04241	ug/L	10/18/10	23:27	
LCSW-1	Co	512.36950	511.48577	513.25329	0.24393	ug/L	10/18/10	23:27	
LCSW-1	Cr	202.44790	202.97248	201.92333	0.36644	ug/L	10/18/10	23:27	
LCSW-1	Cu	250.19854	250.22964	250.16744	0.01757	ug/L	10/18/10	23:27	
LCSW-1	Fe	1014.58520	997.13909	1032.03125	2.43177	ug/L	10/18/10	23:27	
LCSW-1	2Fe	1.01467	0.99722	1.03211	2.43132	mg/L	10/18/10	23:27	
LCSW-1	K	4705.33300	4699.93701	4710.72949	0.16218	ug/L	10/18/10	23:27	
LCSW-1	Mg	5028.83544	5029.24072	5028.43017	0.01139	ug/L	10/18/10	23:27	
LCSW-1	2Mg	5.02746	5.02787	5.02706	0.01148	mg/L	10/18/10	23:27	
LCSW-1	Mn	508.73071	509.11108	508.35034	0.10573	ug/L	10/18/10	23:27	
LCSW-1	Mo	488.85092	488.61480	489.08703	0.06830	ug/L	10/18/10	23:27	
LCSW-1	Na	4921.39208	4883.16699	4959.61718	1.09843	ug/L	10/18/10	23:27	
LCSW-1	Ni	508.15539	506.71704	509.59378	0.40030	ug/L	10/18/10	23:27	
LCSW-1	Pb	505.81567	505.49758	506.13375	0.08893	ug/L	10/18/10	23:27	
LCSW-1	Se	2005.67285	2009.26379	2002.08178	0.25320	ug/L	10/18/10	23:27	
LCSW-1	Sb	478.38201	479.36700	477.39703	0.29118	ug/L	10/18/10	23:27	
LCSW-1	Sn	994.71057	994.63739	994.78375	0.01040	ug/L	10/18/10	23:27	
LCSW-1	Sr	492.48620	491.73889	493.23355	0.21460	ug/L	10/18/10	23:27	
LCSW-1	Ti	982.72631	981.79968	983.65289	0.13334	ug/L	10/18/10	23:27	
LCSW-1	Tl	2032.17309	2029.15869	2035.18737	0.20977	ug/L	10/18/10	23:27	
LCSW-1	V	504.59451	503.41525	505.77377	0.33050	ug/L	10/18/10	23:27	
LCSW-1	Zn	518.82800	518.15588	519.50012	0.18320	ug/L	10/18/10	23:27	
LCSW-1	2203/1	508.84985	510.46405	507.23565	0.44862	ug/L	10/18/10	23:27	
LCSW-1	2203/2	504.30084	503.01806	505.58364	0.35973	ug/L	10/18/10	23:27	
LCSW-1	1960/1	2047.56054	2044.28454	2050.83666	0.22627	ug/L	10/18/10	23:27	
LCSW-1	1960/2	1984.75976	1991.77905	1977.74035	0.50015	ug/L	10/18/10	23:27	
LCSW-1	Y	1009.54345	1010.66394	1008.42297	0.15696		10/18/10	23:27	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-2	Ag	44.48903	44.84362	44.13444	1.12716	ug/L	10/18/10	23:32	
LCSW-2	Al	2016.73510	2012.35449	2021.11572	0.30718	ug/L	10/18/10	23:32	
LCSW-2	2Al	2.01676	2.01228	2.02124	0.31415	mg/L	10/18/10	23:32	
LCSW-2	As	2031.98974	2035.01245	2028.96704	0.21037	ug/L	10/18/10	23:32	
LCSW-2	B	974.16973	972.91833	975.42114	0.18166	ug/L	10/18/10	23:32	
LCSW-2	Ba	2046.25781	2044.32629	2048.18945	0.13349	ug/L	10/18/10	23:32	
LCSW-2	Be	50.94156	50.86228	51.02085	0.22010	ug/L	10/18/10	23:32	
LCSW-2	Ca	4983.97314	4975.72656	4992.21972	0.23399	ug/L	10/18/10	23:32	
LCSW-2	Cd	50.82909	50.59174	51.06644	0.66037	ug/L	10/18/10	23:32	
LCSW-2	Co	519.53649	518.95208	520.12091	0.15908	ug/L	10/18/10	23:32	
LCSW-2	Cr	206.64428	206.30017	206.98840	0.23550	ug/L	10/18/10	23:32	
LCSW-2	Cu	254.42517	253.38064	255.46971	0.58059	ug/L	10/18/10	23:32	
LCSW-2	Fe	1027.56896	1019.36541	1035.77258	1.12903	ug/L	10/18/10	23:32	
LCSW-2	2Fe	1.02765	1.01945	1.03585	1.12884	mg/L	10/18/10	23:32	
LCSW-2	K	4688.71093	4683.70361	4693.71826	0.15103	ug/L	10/18/10	23:32	
LCSW-2	Mg	5001.40917	4999.80224	5003.01562	0.04543	ug/L	10/18/10	23:32	
LCSW-2	2Mg	5.00005	4.99844	5.00165	0.04539	mg/L	10/18/10	23:32	
LCSW-2	Mn	516.48864	515.88629	517.09094	0.16492	ug/L	10/18/10	23:32	
LCSW-2	Mo	487.30944	487.02218	487.59671	0.08336	ug/L	10/18/10	23:32	
LCSW-2	Na	4799.86621	4727.82226	4871.91015	2.12267	ug/L	10/18/10	23:32	
LCSW-2	Ni	513.56518	513.07910	514.05133	0.13386	ug/L	10/18/10	23:32	
LCSW-2	Pb	511.59872	510.84521	512.35223	0.20829	ug/L	10/18/10	23:32	
LCSW-2	Se	2035.60412	2033.44116	2037.76708	0.15026	ug/L	10/18/10	23:32	
LCSW-2	Sb	490.45294	495.34701	485.55883	1.41120	ug/L	10/18/10	23:32	
LCSW-2	Sn	986.36633	985.97088	986.76184	0.05670	ug/L	10/18/10	23:32	
LCSW-2	Sr	492.22726	491.84704	492.60748	0.10924	ug/L	10/18/10	23:32	
LCSW-2	Ti	980.75854	978.98022	982.53686	0.25642	ug/L	10/18/10	23:32	
LCSW-2	Tl	2071.28686	2068.79516	2073.77856	0.17012	ug/L	10/18/10	23:32	
LCSW-2	V	511.25781	509.29739	513.21826	0.54228	ug/L	10/18/10	23:32	
LCSW-2	Zn	525.22869	524.55487	525.90252	0.18143	ug/L	10/18/10	23:32	
LCSW-2	2203/1	519.79217	522.92352	516.66082	0.85195	ug/L	10/18/10	23:32	
LCSW-2	2203/2	507.50811	504.81512	510.20114	0.75042	ug/L	10/18/10	23:32	
LCSW-2	1960/1	2080.59277	2076.39062	2084.79492	0.28562	ug/L	10/18/10	23:32	
LCSW-2	1960/2	2013.14306	2011.99816	2014.28784	0.08042	ug/L	10/18/10	23:32	
LCSW-2	Y	1006.93347	1008.16192	1005.70495	0.17253		10/18/10	23:32	
61963-36	Ag	-0.29315	-0.85087	0.26457	269.05725	ug/L	10/18/10	23:37	
61963-36	Al	1.25702	1.86386	0.65018	68.27281	ug/L	10/18/10	23:37	
61963-36	2Al	0.00125	0.00186	0.00065	68.27256	mg/L	10/18/10	23:37	
61963-36	As	9.48392	12.75808	6.20977	48.82316	ug/L	10/18/10	23:37	
61963-36	B	2294.38720	2288.74291	2300.03173	0.34790	ug/L	10/18/10	23:37	
61963-36	Ba	15.25936	15.17418	15.34455	0.78950	ug/L	10/18/10	23:37	
61963-36	Be	0.01656	-0.00937	0.04250	221.47280	ug/L	10/18/10	23:37	
61963-36	Ca	242539.10937	242393.18750	242685.03125	0.08508	ug/L	10/18/10	23:37	
61963-36	Cd	-0.04312	0.10830	-0.19456	496.53424	ug/L	10/18/10	23:37	
61963-36	Co	0.89513	0.99134	0.79892	15.19987	ug/L	10/18/10	23:37	
61963-36	Cr	-0.10150	0.33271	-0.53571	604.99682	ug/L	10/18/10	23:37	
61963-36	Cu	3.29777	3.81853	2.77702	22.33190	ug/L	10/18/10	23:37	
61963-36	Fe	167.46020	163.50950	171.41091	3.33640	ug/L	10/18/10	23:37	
61963-36	2Fe	0.16743	0.16348	0.17138	3.33649	mg/L	10/18/10	23:37	
61963-36	K	218986.64062	218791.64062	219181.64062	0.12593	ug/L	10/18/10	23:37	
61963-36	Mg	645139.25000	644458.75000	645819.68750	0.14916	ug/L	10/18/10	23:37	
61963-36	2Mg	644.91589	644.22674	645.60510	0.15112	mg/L	10/18/10	23:37	
61963-36	Mn	12.58438	12.68970	12.47906	1.18356	ug/L	10/18/10	23:37	
61963-36	Mo	3.01128	4.26468	1.75788	58.86447	ug/L	10/18/10	23:37	
61963-36	Na	5123203.00000	5115117.00000	5131288.50000	0.22319	ug/L	10/18/10	23:37	
61963-36	Ni	1.25908	-0.38983	2.90801	185.20776	ug/L	10/18/10	23:37	
61963-36	Pb	-2.02230	-0.53524	-3.50936	103.99146	ug/L	10/18/10	23:37	
61963-36	Se	-1.20069	0.94900	-3.35039	253.19831	ug/L	10/18/10	23:37	
61963-36	Sb	4.42476	1.75952	7.09000	85.18446	ug/L	10/18/10	23:37	
61963-36	Sn	1.20943	3.29315	-0.87428	243.65293	ug/L	10/18/10	23:37	
61963-36	Sr	4214.61425	4218.84326	4210.38574	0.14189	ug/L	10/18/10	23:37	
61963-36	Ti	0.64107	0.71673	0.56540	16.69142	ug/L	10/18/10	23:37	
61963-36	Tl	5.09946	2.36975	7.82917	75.70196	ug/L	10/18/10	23:37	
61963-36	V	-5.08121	-6.35432	-3.80810	35.43341	ug/L	10/18/10	23:37	
61963-36	Zn	25.35707	25.56338	25.15077	1.15061	ug/L	10/18/10	23:37	
61963-36	2203/1	5.14203	4.24521	6.03885	24.66527	ug/L	10/18/10	23:37	
61963-36	2203/2	-5.59909	-2.92188	-8.27631	67.62075	ug/L	10/18/10	23:37	
61963-36	1960/1	10.77938	8.35313	13.20564	31.83150	ug/L	10/18/10	23:37	
61963-36	1960/2	-7.18175	-2.74750	-11.61600	87.31813	ug/L	10/18/10	23:37	
61963-36	Y	844.09643	844.94696	843.24597	0.14249		10/18/10	23:37	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-36 1/10	Ag	0.59526	0.80801	0.38251	50.54370	ug/L	10/18/10	23:42	
61963-36 1/10	Al	-7.55856	-5.14894	-9.96819	45.08421	ug/L	10/18/10	23:42	
61963-36 1/10	2Al	-0.00755	-0.00514	-0.00996	45.08406	mg/L	10/18/10	23:42	
61963-36 1/10	As	-1.38628	-1.26038	-1.51219	12.84425	ug/L	10/18/10	23:42	
61963-36 1/10	B	227.35069	228.12387	226.57751	0.48094	ug/L	10/18/10	23:42	
61963-36 1/10	Ba	1.69900	1.62355	1.77444	6.27988	ug/L	10/18/10	23:42	
61963-36 1/10	Be	-0.03963	-0.01668	-0.06257	81.89115	ug/L	10/18/10	23:42	
61963-36 1/10	Ca	24500.17382	24568.38476	24431.96289	0.39373	ug/L	10/18/10	23:42	
61963-36 1/10	Cd	-0.44705	-0.23628	-0.65782	66.67456	ug/L	10/18/10	23:42	
61963-36 1/10	Co	-0.14646	0.41599	-0.70891	543.10095	ug/L	10/18/10	23:42	
61963-36 1/10	Cr	0.13415	0.27657	-0.00827	150.14392	ug/L	10/18/10	23:42	
61963-36 1/10	Cu	0.69488	0.50008	0.88969	39.64559	ug/L	10/18/10	23:42	
61963-36 1/10	Fe	12.55675	25.61849	-0.50499	147.10888	ug/L	10/18/10	23:42	
61963-36 1/10	2Fe	0.01255	0.02561	-0.00050	147.11492	mg/L	10/18/10	23:42	
61963-36 1/10	K	24369.70703	24436.37109	24303.04101	0.38686	ug/L	10/18/10	23:42	
61963-36 1/10	Mg	65118.68750	65321.27343	64916.10156	0.43996	ug/L	10/18/10	23:42	
61963-36 1/10	2Mg	65.09562	65.29971	64.89154	0.44337	mg/L	10/18/10	23:42	
61963-36 1/10	Mn	1.39111	1.42760	1.35462	3.70970	ug/L	10/18/10	23:42	
61963-36 1/10	Mo	2.04078	3.81837	0.26319	123.18235	ug/L	10/18/10	23:42	
61963-36 1/10	Na	615525.31250	617666.43750	613384.18750	0.49193	ug/L	10/18/10	23:42	
61963-36 1/10	Ni	0.17217	-0.40263	0.74697	472.14544	ug/L	10/18/10	23:42	
61963-36 1/10	Pb	0.90908	-0.26715	2.08532	182.98179	ug/L	10/18/10	23:42	
61963-36 1/10	Se	-0.29790	2.12847	-2.72429	1151.83679	ug/L	10/18/10	23:42	
61963-36 1/10	Sb	-5.42486	-3.43132	-7.41839	51.96982	ug/L	10/18/10	23:42	
61963-36 1/10	Sn	-0.76089	1.27104	-2.79284	377.65905	ug/L	10/18/10	23:42	
61963-36 1/10	Sr	439.66912	440.09393	439.24435	0.13663	ug/L	10/18/10	23:42	
61963-36 1/10	Ti	-0.11089	-0.22871	0.00691	150.23820	ug/L	10/18/10	23:42	
61963-36 1/10	Tl	-10.13681	-9.49055	-10.78308	9.01618	ug/L	10/18/10	23:42	
61963-36 1/10	V	-1.86783	-0.79573	-2.93993	81.17279	ug/L	10/18/10	23:42	
61963-36 1/10	Zn	2.32013	2.72481	1.91544	24.66735	ug/L	10/18/10	23:42	
61963-36 1/10	2203/1	3.09789	7.54601	-1.35021	203.05964	ug/L	10/18/10	23:42	
61963-36 1/10	2203/2	-0.18368	-4.16788	3.80051	3067.49316	ug/L	10/18/10	23:42	
61963-36 1/10	1960/1	4.14715	6.91128	1.38302	94.25904	ug/L	10/18/10	23:42	
61963-36 1/10	1960/2	-2.51710	-0.25934	-4.77487	126.85045	ug/L	10/18/10	23:42	
61963-36 1/10	Y	969.93896	969.49798	970.37994	0.06429		10/18/10	23:42	
61963-40	Ag	0.79689	0.39347	1.20031	71.59338	ug/L	10/18/10	23:47	
61963-40	Al	4.73399	6.86131	2.60667	63.55073	ug/L	10/18/10	23:47	
61963-40	2Al	0.00473	0.00686	0.00260	63.55144	mg/L	10/18/10	23:47	
61963-40	As	3.59600	4.18840	3.00361	23.29736	ug/L	10/18/10	23:47	
61963-40	B	445.91668	447.61886	444.21453	0.53983	ug/L	10/18/10	23:47	
61963-40	Ba	16.40045	16.36907	16.43184	0.27064	ug/L	10/18/10	23:47	
61963-40	Be	0.00667	0.01223	0.00112	117.68131	ug/L	10/18/10	23:47	
61963-40	Ca	93169.88281	93155.79687	93183.96875	0.02138	ug/L	10/18/10	23:47	
61963-40	Cd	-0.06435	0.14503	-0.27375	460.12115	ug/L	10/18/10	23:47	
61963-40	Co	0.96935	1.33990	0.59881	54.05980	ug/L	10/18/10	23:47	
61963-40	Cr	1.06373	1.10966	1.01780	6.10638	ug/L	10/18/10	23:47	
61963-40	Cu	10.14643	10.27712	10.01573	1.82167	ug/L	10/18/10	23:47	
61963-40	Fe	28.11166	15.38653	40.83678	64.01629	ug/L	10/18/10	23:47	
61963-40	2Fe	0.02810	0.01538	0.04083	64.01331	mg/L	10/18/10	23:47	
61963-40	K	39872.82812	39846.78906	39898.86718	0.09235	ug/L	10/18/10	23:47	
61963-40	Mg	78886.37500	78914.42187	78858.33593	0.05027	ug/L	10/18/10	23:47	
61963-40	2Mg	78.85934	78.88579	78.83288	0.04744	mg/L	10/18/10	23:47	
61963-40	Mn	-0.38321	-0.38387	-0.38255	0.24382	ug/L	10/18/10	23:47	
61963-40	Mo	9.31726	11.02156	7.61297	25.86852	ug/L	10/18/10	23:47	
61963-40	Na	640159.75000	639534.93750	640784.56250	0.13803	ug/L	10/18/10	23:47	
61963-40	Ni	2.10572	2.64612	1.56532	36.29351	ug/L	10/18/10	23:47	
61963-40	Pb	-2.68709	-2.64502	-2.72916	2.21406	ug/L	10/18/10	23:47	
61963-40	Se	-0.43254	-2.96284	2.09775	827.28985	ug/L	10/18/10	23:47	
61963-40	Sb	-0.07493	-0.66890	0.51904	1121.01745	ug/L	10/18/10	23:47	
61963-40	Sn	2.70580	5.61621	-0.20459	152.11466	ug/L	10/18/10	23:47	
61963-40	Sr	1792.85278	1791.33007	1794.37536	0.12010	ug/L	10/18/10	23:47	
61963-40	Ti	-0.15771	-0.06272	-0.25269	85.17491	ug/L	10/18/10	23:47	
61963-40	Tl	-2.53507	5.87366	-10.94381	469.08816	ug/L	10/18/10	23:47	
61963-40	V	7.62037	7.47076	7.76998	2.77650	ug/L	10/18/10	23:47	
61963-40	Zn	20.28303	20.56113	20.00494	1.93896	ug/L	10/18/10	23:47	
61963-40	2203/1	-0.59093	-1.37117	0.18930	186.72508	ug/L	10/18/10	23:47	
61963-40	2203/2	-3.73360	-3.28099	-4.18620	17.14382	ug/L	10/18/10	23:47	
61963-40	1960/1	12.49398	9.35022	15.63775	35.58475	ug/L	10/18/10	23:47	
61963-40	1960/2	-6.88681	-9.11153	-4.66209	45.68484	ug/L	10/18/10	23:47	
61963-40	Y	951.77697	953.16296	950.39093	0.20594		10/18/10	23:47	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-40 1/10	Ag	0.24519	0.77313	-0.28273	304.49630	ug/L	10/18/10	23:53	
61963-40 1/10	Al	-10.84753	-10.24602	-11.44904	7.84201	ug/L	10/18/10	23:53	
61963-40 1/10	2Al	-0.01084	-0.01024	-0.01144	7.84194	mg/L	10/18/10	23:53	
61963-40 1/10	As	1.47686	-4.00964	6.96338	525.37500	ug/L	10/18/10	23:53	
61963-40 1/10	B	41.37457	40.77560	41.97354	2.04732	ug/L	10/18/10	23:53	
61963-40 1/10	Ba	1.67155	1.67768	1.66541	0.51871	ug/L	10/18/10	23:53	
61963-40 1/10	Be	0.00925	0.01859	-0.00008	142.75827	ug/L	10/18/10	23:53	
61963-40 1/10	Ca	9261.33593	9294.65917	9228.01269	0.50884	ug/L	10/18/10	23:53	
61963-40 1/10	Cd	-0.06858	-0.26612	0.12895	407.29956	ug/L	10/18/10	23:53	
61963-40 1/10	Co	0.34615	-0.11496	0.80727	188.39164	ug/L	10/18/10	23:53	
61963-40 1/10	Cr	-0.27420	-0.48029	-0.06812	106.28810	ug/L	10/18/10	23:53	
61963-40 1/10	Cu	0.64941	0.57770	0.72112	15.61552	ug/L	10/18/10	23:53	
61963-40 1/10	Fe	8.55665	6.05995	11.05335	41.26455	ug/L	10/18/10	23:53	
61963-40 1/10	2Fe	0.00855	0.00605	0.01105	41.26575	mg/L	10/18/10	23:53	
61963-40 1/10	K	3430.32446	3444.35156	3416.29736	0.57829	ug/L	10/18/10	23:53	
61963-40 1/10	Mg	7928.68847	7953.79443	7903.58203	0.44781	ug/L	10/18/10	23:53	
61963-40 1/10	2Mg	7.92644	7.95154	7.90134	0.44781	mg/L	10/18/10	23:53	
61963-40 1/10	Mn	0.06042	0.05290	0.06794	17.59598	ug/L	10/18/10	23:53	
61963-40 1/10	Mo	-1.41735	-1.50426	-1.33044	8.67159	ug/L	10/18/10	23:53	
61963-40 1/10	Na	58406.53125	58765.75390	58047.30468	0.86980	ug/L	10/18/10	23:53	
61963-40 1/10	Ni	-0.34482	-0.43695	-0.25268	37.78763	ug/L	10/18/10	23:53	
61963-40 1/10	Pb	-1.42759	-3.24351	0.38831	179.88909	ug/L	10/18/10	23:53	
61963-40 1/10	Se	-0.75150	4.99380	-6.49681	1081.17065	ug/L	10/18/10	23:53	
61963-40 1/10	Sb	-4.83299	-2.65294	-7.01304	63.79185	ug/L	10/18/10	23:53	
61963-40 1/10	Sn	-1.71283	-1.81005	-1.61560	8.02730	ug/L	10/18/10	23:53	
61963-40 1/10	Sr	182.26809	182.92152	181.61465	0.50699	ug/L	10/18/10	23:53	
61963-40 1/10	Ti	-0.28387	-0.28325	-0.28450	0.31051	ug/L	10/18/10	23:53	
61963-40 1/10	Tl	-1.52785	-0.96930	-2.08639	51.70015	ug/L	10/18/10	23:53	
61963-40 1/10	V	0.82556	0.97658	0.67454	25.86940	ug/L	10/18/10	23:53	
61963-40 1/10	Zn	2.32704	2.48700	2.16707	9.72164	ug/L	10/18/10	23:53	
61963-40 1/10	2203/1	0.09794	-0.11860	0.31450	312.66531	ug/L	10/18/10	23:53	
61963-40 1/10	2203/2	-2.18922	-4.80362	0.42517	168.88690	ug/L	10/18/10	23:53	
61963-40 1/10	1960/1	9.74035	17.71575	1.76494	115.79584	ug/L	10/18/10	23:53	
61963-40 1/10	1960/2	-5.98957	-1.35763	-10.62150	109.36577	ug/L	10/18/10	23:53	
61963-40 1/10	Y	1002.58197	1003.40997	1001.75396	0.11679		10/18/10	23:53	
61963-41	Ag	0.48356	0.76040	0.20672	80.96382	ug/L	10/18/10	23:58	
61963-41	Al	7.33751	0.11493	14.56009	139.20605	ug/L	10/18/10	23:58	
61963-41	2Al	0.00733	0.00011	0.01456	139.20718	mg/L	10/18/10	23:58	
61963-41	As	10.82856	8.35386	13.30326	32.31965	ug/L	10/18/10	23:58	
61963-41	B	449.62496	448.28265	450.96728	0.42220	ug/L	10/18/10	23:58	
61963-41	Ba	16.55868	16.49615	16.62121	0.53406	ug/L	10/18/10	23:58	
61963-41	Be	0.02311	0.00444	0.04178	114.20915	ug/L	10/18/10	23:58	
61963-41	Ca	93437.76562	93348.02343	93527.50781	0.13582	ug/L	10/18/10	23:58	
61963-41	Cd	-0.08517	-0.50740	0.33706	701.08709	ug/L	10/18/10	23:58	
61963-41	Co	1.49257	0.89441	2.09072	56.67505	ug/L	10/18/10	23:58	
61963-41	Cr	1.79954	1.00785	2.59122	62.21636	ug/L	10/18/10	23:58	
61963-41	Cu	10.36629	8.55091	12.18167	24.76616	ug/L	10/18/10	23:58	
61963-41	Fe	23.95746	25.98155	21.93336	11.94826	ug/L	10/18/10	23:58	
61963-41	2Fe	0.02395	0.02597	0.02193	11.94627	mg/L	10/18/10	23:58	
61963-41	K	39839.32031	39842.13671	39836.50000	0.01000	ug/L	10/18/10	23:58	
61963-41	Mg	79203.34375	79066.88281	79339.79687	0.24365	ug/L	10/18/10	23:58	
61963-41	2Mg	79.17781	79.04139	79.31423	0.24365	mg/L	10/18/10	23:58	
61963-41	Mn	0.16410	0.04572	0.28248	102.01930	ug/L	10/18/10	23:58	
61963-41	Mo	7.10246	7.65645	6.54847	11.03088	ug/L	10/18/10	23:58	
61963-41	Na	639315.62500	639048.87500	639582.31250	0.05900	ug/L	10/18/10	23:58	
61963-41	Ni	1.40814	1.36064	1.45563	4.76969	ug/L	10/18/10	23:58	
61963-41	Pb	1.14461	2.39890	-0.10966	154.97138	ug/L	10/18/10	23:58	
61963-41	Se	0.57530	-1.53009	2.68070	517.54797	ug/L	10/18/10	23:58	
61963-41	Sb	0.97357	-4.93927	6.88642	858.89892	ug/L	10/18/10	23:58	
61963-41	Sn	4.11535	3.59160	4.63910	17.99829	ug/L	10/18/10	23:58	
61963-41	Sr	1793.10998	1795.58239	1790.63757	0.19499	ug/L	10/18/10	23:58	
61963-41	Ti	0.24891	0.20827	0.28955	23.08809	ug/L	10/18/10	23:58	
61963-41	Tl	-3.02328	-7.10785	1.06127	191.06513	ug/L	10/18/10	23:58	
61963-41	V	7.17468	6.68372	7.66564	9.67740	ug/L	10/18/10	23:58	
61963-41	Zn	18.20478	17.75982	18.64974	3.45657	ug/L	10/18/10	23:58	
61963-41	2203/1	5.02027	6.92329	3.11725	53.60823	ug/L	10/18/10	23:58	
61963-41	2203/2	-0.79030	0.14010	-1.72071	166.49241	ug/L	10/18/10	23:58	
61963-41	1960/1	6.08653	7.38710	4.78596	30.21888	ug/L	10/18/10	23:58	
61963-41	1960/2	-2.17617	-5.98201	1.62965	247.32658	ug/L	10/18/10	23:58	
61963-41	Y	956.55596	956.60095	956.51098	0.00665		10/18/10	23:58	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-41 1/10	Ag	0.51705	0.78398	0.25012	73.00915	ug/L	10/19/10	00:03	
61963-41 1/10	Al	-10.02246	-14.03707	-6.00784	56.64799	ug/L	10/19/10	00:03	
61963-41 1/10	2Al	-0.01002	-0.01403	-0.00600	56.64805	mg/L	10/19/10	00:03	
61963-41 1/10	As	0.80521	3.64929	-2.03887	499.51275	ug/L	10/19/10	00:03	
61963-41 1/10	B	41.18198	42.12751	40.23644	3.24701	ug/L	10/19/10	00:03	
61963-41 1/10	Ba	1.80521	1.76841	1.84201	2.88284	ug/L	10/19/10	00:03	
61963-41 1/10	Be	0.00439	0.02230	-0.01351	576.01373	ug/L	10/19/10	00:03	
61963-41 1/10	Ca	9225.38867	9294.00683	9156.77050	1.05188	ug/L	10/19/10	00:03	
61963-41 1/10	Cd	-0.07846	0.09934	-0.25628	320.47985	ug/L	10/19/10	00:03	
61963-41 1/10	Co	0.25265	0.07603	0.42926	98.86028	ug/L	10/19/10	00:03	
61963-41 1/10	Cr	0.30521	0.25916	0.35126	21.33692	ug/L	10/19/10	00:03	
61963-41 1/10	Cu	1.49530	1.97246	1.01814	45.12817	ug/L	10/19/10	00:03	
61963-41 1/10	Fe	24.55251	32.87388	16.23114	47.93071	ug/L	10/19/10	00:03	
61963-41 1/10	2Fe	0.02454	0.03286	0.01622	47.93009	mg/L	10/19/10	00:03	
61963-41 1/10	K	3470.07275	3490.56201	3449.58349	0.83503	ug/L	10/19/10	00:03	
61963-41 1/10	Mg	7848.18847	7915.53857	7780.83837	1.21362	ug/L	10/19/10	00:03	
61963-41 1/10	2Mg	7.84596	7.91329	7.77863	1.21359	mg/L	10/19/10	00:03	
61963-41 1/10	Mn	0.21477	0.20011	0.22943	9.65314	ug/L	10/19/10	00:03	
61963-41 1/10	Mo	-1.12063	-1.34344	-0.89782	28.11858	ug/L	10/19/10	00:03	
61963-41 1/10	Na	58741.00781	59717.06640	57764.95312	2.34989	ug/L	10/19/10	00:03	
61963-41 1/10	Ni	-0.86694	0.73521	-2.46910	261.35333	ug/L	10/19/10	00:03	
61963-41 1/10	Pb	-0.89479	-1.92196	0.13238	162.34446	ug/L	10/19/10	00:03	
61963-41 1/10	Se	4.98631	4.34064	5.63198	18.31245	ug/L	10/19/10	00:03	
61963-41 1/10	Sb	-3.97304	-2.84084	-5.10525	40.30111	ug/L	10/19/10	00:03	
61963-41 1/10	Sn	0.83791	1.17853	0.49728	57.48999	ug/L	10/19/10	00:03	
61963-41 1/10	Sr	183.31970	184.96804	181.67134	1.27161	ug/L	10/19/10	00:03	
61963-41 1/10	Ti	-0.21146	-0.36494	-0.05798	102.64398	ug/L	10/19/10	00:03	
61963-41 1/10	Tl	0.55994	-1.09127	2.21115	417.03738	ug/L	10/19/10	00:03	
61963-41 1/10	V	0.36775	0.25570	0.47979	43.08897	ug/L	10/19/10	00:03	
61963-41 1/10	Zn	2.22377	2.19152	2.25603	2.05122	ug/L	10/19/10	00:03	
61963-41 1/10	2203/1	3.98176	3.67251	4.29102	10.98385	ug/L	10/19/10	00:03	
61963-41 1/10	2203/2	-3.32941	-4.71501	-1.94381	58.85514	ug/L	10/19/10	00:03	
61963-41 1/10	1960/1	14.00796	13.95360	14.06233	0.54884	ug/L	10/19/10	00:03	
61963-41 1/10	1960/2	0.48218	-0.45863	1.42299	275.93554	ug/L	10/19/10	00:03	
61963-41 1/10	Y	992.84851	992.60998	993.08697	0.03397		10/19/10	00:03	
CCV	Ag	495.44903	496.09790	494.80017	0.18521	ug/L	10/19/10	00:10	
CCV	Al	4975.88281	4979.39453	4972.37060	0.09981	ug/L	10/19/10	00:10	
CCV	2Al	4.97586	4.97908	4.97265	0.09132	mg/L	10/19/10	00:10	
CCV	As	498.82415	502.60525	495.04302	1.07198	ug/L	10/19/10	00:10	
CCV	B	5003.20507	5003.59765	5002.81298	0.01108	ug/L	10/19/10	00:10	
CCV	Ba	4977.71093	4985.95947	4969.46240	0.23434	ug/L	10/19/10	00:10	
CCV	Be	503.50765	504.32202	502.69329	0.22873	ug/L	10/19/10	00:10	
CCV	Ca	4990.10644	4991.90625	4988.30664	0.05100	ug/L	10/19/10	00:10	
CCV	Cd	495.54202	495.70114	495.38290	0.04541	ug/L	10/19/10	00:10	
CCV	Co	507.40512	507.45474	507.35549	0.01383	ug/L	10/19/10	00:10	
CCV	Cr	5013.53808	5021.22070	5005.85498	0.21671	ug/L	10/19/10	00:10	
CCV	Cu	4981.88281	4991.47314	4972.29248	0.27224	ug/L	10/19/10	00:10	
CCV	Fe	5008.66503	5018.12060	4999.20898	0.26698	ug/L	10/19/10	00:10	
CCV	2Fe	5.00867	5.01812	4.99921	0.26696	mg/L	10/19/10	00:10	
CCV	K	9632.21679	9649.03710	9615.39648	0.24695	ug/L	10/19/10	00:10	
CCV	Mg	5136.80957	5142.65136	5130.96728	0.16083	ug/L	10/19/10	00:10	
CCV	2Mg	5.13678	5.14263	5.13094	0.16085	mg/L	10/19/10	00:10	
CCV	Mn	5043.53759	5051.91650	5035.15869	0.23494	ug/L	10/19/10	00:10	
CCV	Mo	490.64752	490.14840	491.14660	0.14385	ug/L	10/19/10	00:10	
CCV	Na	7488.73535	7469.75097	7507.71923	0.35850	ug/L	10/19/10	00:10	
CCV	Ni	2530.54296	2533.19433	2527.89135	0.14818	ug/L	10/19/10	00:10	
CCV	Pb	506.78707	505.83752	507.73663	0.26497	ug/L	10/19/10	00:10	
CCV	Se	4966.05761	4959.57958	4972.53613	0.18448	ug/L	10/19/10	00:10	
CCV	Sb	490.70568	487.06317	494.34820	1.04977	ug/L	10/19/10	00:10	
CCV	Sn	5033.56933	5035.96142	5031.17724	0.06720	ug/L	10/19/10	00:10	
CCV	Sr	2481.57714	2482.76782	2480.38647	0.06785	ug/L	10/19/10	00:10	
CCV	Ti	497.83627	498.24774	497.42480	0.11688	ug/L	10/19/10	00:10	
CCV	Tl	4948.92822	4963.32763	4934.52880	0.41147	ug/L	10/19/10	00:10	
CCV	V	5043.21386	5047.41259	5039.01464	0.11774	ug/L	10/19/10	00:10	
CCV	Zn	2543.35839	2545.59277	2541.12426	0.12423	ug/L	10/19/10	00:10	
CCV	2203/1	513.46276	517.09631	509.82928	1.00076	ug/L	10/19/10	00:10	
CCV	2203/2	503.45422	500.21658	506.69186	0.90946	ug/L	10/19/10	00:10	
CCV	1960/1	5074.91503	5081.47412	5068.35595	0.18278	ug/L	10/19/10	00:10	
CCV	1960/2	4911.71093	4898.72412	4924.69824	0.37393	ug/L	10/19/10	00:10	
CCV	Y	1005.75445	1004.61596	1006.89294	0.16008		10/19/10	00:10	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.48691	0.66426	0.30957	51.50880	ug/L	10/19/10	00:16	
CCB	Al	-11.60610	-11.75917	-11.45303	1.86517	ug/L	10/19/10	00:16	
CCB	2Al	-0.01160	-0.01175	-0.01145	1.86510	mg/L	10/19/10	00:16	
CCB	As	0.25838	0.07919	0.43756	98.07514	ug/L	10/19/10	00:16	
CCB	B	3.47076	3.63443	3.30710	6.66874	ug/L	10/19/10	00:16	
CCB	Ba	0.77865	0.48836	1.06894	52.72359	ug/L	10/19/10	00:16	
CCB	Be	0.04062	-0.03124	0.11249	250.16220	ug/L	10/19/10	00:16	
CCB	Ca	2.73793	2.09732	3.37854	33.08922	ug/L	10/19/10	00:16	
CCB	Cd	-0.02772	0.01567	-0.07112	221.35594	ug/L	10/19/10	00:16	
CCB	Co	0.44108	0.81078	0.07139	118.53189	ug/L	10/19/10	00:16	
CCB	Cr	-0.04104	-0.80363	0.72154	2627.43408	ug/L	10/19/10	00:16	
CCB	Cu	0.13233	-0.36884	0.63351	535.59436	ug/L	10/19/10	00:16	
CCB	Fe	11.13122	2.14860	20.11384	114.12344	ug/L	10/19/10	00:16	
CCB	2Fe	0.01113	0.00214	0.02011	114.12046	mg/L	10/19/10	00:16	
CCB	K	6.47438	1.79577	11.15299	102.19595	ug/L	10/19/10	00:16	
CCB	Mg	-5.77071	-5.77548	-5.76593	0.11700	ug/L	10/19/10	00:16	
CCB	2Mg	-0.00577	-0.00577	-0.00576	0.08301	mg/L	10/19/10	00:16	
CCB	Mn	0.37108	-0.05238	0.79455	161.38389	ug/L	10/19/10	00:16	
CCB	Mo	-2.76614	-2.40864	-3.12364	18.27746	ug/L	10/19/10	00:16	
CCB	Na	-70.26834	-20.32171	-120.21496	100.52207	ug/L	10/19/10	00:16	
CCB	Ni	0.21529	1.56126	-1.13067	884.14654	ug/L	10/19/10	00:16	
CCB	Pb	-1.94736	-3.32037	-0.57434	99.71112	ug/L	10/19/10	00:16	
CCB	Se	0.54751	0.07613	1.01888	121.75472	ug/L	10/19/10	00:16	
CCB	Sb	-2.47926	-4.56699	-0.39153	119.08755	ug/L	10/19/10	00:16	
CCB	Sn	-1.40164	-3.15051	0.34722	176.45494	ug/L	10/19/10	00:16	
CCB	Sr	0.23407	-0.02096	0.48912	154.08959	ug/L	10/19/10	00:16	
CCB	Ti	-0.20801	-0.36173	-0.05430	104.50469	ug/L	10/19/10	00:16	
CCB	Tl	1.44075	-0.80603	3.68753	220.53990	ug/L	10/19/10	00:16	
CCB	V	0.85630	0.12921	1.58340	120.08086	ug/L	10/19/10	00:16	
CCB	Zn	0.38455	0.41580	0.35330	11.49351	ug/L	10/19/10	00:16	
CCB	2203/1	2.85593	4.60241	1.10945	86.48303	ug/L	10/19/10	00:16	
CCB	2203/2	-4.34540	-7.27583	-1.41498	95.37068	ug/L	10/19/10	00:16	
CCB	1960/1	13.28103	14.00319	12.55887	7.68979	ug/L	10/19/10	00:16	
CCB	1960/2	-5.80970	-6.87694	-4.74246	25.97907	ug/L	10/19/10	00:16	
CCB	Y	993.31195	993.87896	992.74493	0.08072		10/19/10	00:16	
61963-42	Ag	-0.12854	-1.06331	0.80623	1028.44555	ug/L	10/19/10	00:21	
61963-42	Al	8.94858	12.10373	5.79343	49.86332	ug/L	10/19/10	00:21	
61963-42	2Al	0.00894	0.01210	0.00579	49.86365	mg/L	10/19/10	00:21	
61963-42	As	4.53264	8.84645	0.21883	134.59355	ug/L	10/19/10	00:21	
61963-42	B	848.74853	846.98291	850.51416	0.29419	ug/L	10/19/10	00:21	
61963-42	Ba	16.41350	16.37889	16.44812	0.29827	ug/L	10/19/10	00:21	
61963-42	Be	-0.01356	-0.04856	0.02143	364.81762	ug/L	10/19/10	00:21	
61963-42	Ca	143500.62500	143435.54687	143565.70312	0.06413	ug/L	10/19/10	00:21	
61963-42	Cd	0.04326	0.28401	-0.19748	786.98156	ug/L	10/19/10	00:21	
61963-42	Co	-0.55667	-0.90423	-0.20912	88.29518	ug/L	10/19/10	00:21	
61963-42	Cr	1.38069	1.53391	1.22748	15.69341	ug/L	10/19/10	00:21	
61963-42	Cu	21.24932	21.33658	21.16207	0.58070	ug/L	10/19/10	00:21	
61963-42	Fe	68.70600	64.63684	72.77517	8.37578	ug/L	10/19/10	00:21	
61963-42	2Fe	0.06869	0.06462	0.07276	8.37608	mg/L	10/19/10	00:21	
61963-42	K	44991.42187	44922.57812	45060.26562	0.21639	ug/L	10/19/10	00:21	
61963-42	Mg	95299.82812	95210.46093	95389.19531	0.13261	ug/L	10/19/10	00:21	
61963-42	2Mg	95.26793	95.17693	95.35894	0.13509	mg/L	10/19/10	00:21	
61963-42	Mn	0.41831	0.40488	0.43174	4.53984	ug/L	10/19/10	00:21	
61963-42	Mo	28.11050	29.06825	27.15275	4.81835	ug/L	10/19/10	00:21	
61963-42	Na	725111.31250	725398.75000	724823.87500	0.05606	ug/L	10/19/10	00:21	
61963-42	Ni	3.46113	2.72280	4.19945	30.16792	ug/L	10/19/10	00:21	
61963-42	Pb	4.76753	2.35904	7.17603	71.44409	ug/L	10/19/10	00:21	
61963-42	Se	4.77295	2.81769	6.72821	57.93391	ug/L	10/19/10	00:21	
61963-42	Sb	11.61921	6.34097	16.89745	64.24327	ug/L	10/19/10	00:21	
61963-42	Sn	-0.92133	-0.84769	-0.99498	11.30421	ug/L	10/19/10	00:21	
61963-42	Sr	3419.76025	3424.17480	3415.34570	0.18256	ug/L	10/19/10	00:21	
61963-42	Ti	0.06369	-0.03607	0.16345	221.52415	ug/L	10/19/10	00:21	
61963-42	Tl	-7.69087	-5.83850	-9.54324	34.06177	ug/L	10/19/10	00:21	
61963-42	V	5.19298	4.68179	5.70418	13.92142	ug/L	10/19/10	00:21	
61963-42	Zn	30.63066	30.67299	30.58832	0.19544	ug/L	10/19/10	00:21	
61963-42	2203/1	2.98375	-2.81784	8.78535	274.97879	ug/L	10/19/10	00:21	
61963-42	2203/2	5.65809	4.94360	6.37258	17.85825	ug/L	10/19/10	00:21	
61963-42	1960/1	4.43915	2.58419	6.29410	59.09480	ug/L	10/19/10	00:21	
61963-42	1960/2	4.93876	2.93426	6.94325	57.39875	ug/L	10/19/10	00:21	
61963-42	Y	912.80249	911.56494	914.03997	0.19172		10/19/10	00:21	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-42 1/10	Ag	0.89003	0.19861	1.58146	109.86343	ug/L	10/19/10	00:27	
61963-42 1/10	Al	-14.86021	-14.25970	-15.46072	5.71490	ug/L	10/19/10	00:27	
61963-42 1/10	2Al	-0.01486	-0.01426	-0.01546	5.71496	mg/L	10/19/10	00:27	
61963-42 1/10	As	1.83564	3.20573	0.46554	105.55488	ug/L	10/19/10	00:27	
61963-42 1/10	B	80.61943	80.49504	80.74383	0.21821	ug/L	10/19/10	00:27	
61963-42 1/10	Ba	1.93836	1.82768	2.04904	8.07513	ug/L	10/19/10	00:27	
61963-42 1/10	Be	-0.00396	-0.03242	0.02449	1014.58666	ug/L	10/19/10	00:27	
61963-42 1/10	Ca	14120.88476	14216.23828	14025.53027	0.95497	ug/L	10/19/10	00:27	
61963-42 1/10	Cd	-0.02397	-0.17632	0.12836	898.49566	ug/L	10/19/10	00:27	
61963-42 1/10	Co	-0.11206	0.27442	-0.49855	487.73623	ug/L	10/19/10	00:27	
61963-42 1/10	Cr	-0.62175	-0.95110	-0.29240	74.91310	ug/L	10/19/10	00:27	
61963-42 1/10	Cu	2.38878	2.25269	2.52488	8.05710	ug/L	10/19/10	00:27	
61963-42 1/10	Fe	28.79674	25.54121	32.05227	15.98797	ug/L	10/19/10	00:27	
61963-42 1/10	2Fe	0.02879	0.02553	0.03204	15.98773	mg/L	10/19/10	00:27	
61963-42 1/10	K	3888.03808	3908.40869	3867.66723	0.74095	ug/L	10/19/10	00:27	
61963-42 1/10	Mg	9559.51367	9625.62988	9493.39843	0.97810	ug/L	10/19/10	00:27	
61963-42 1/10	2Mg	9.55681	9.62290	9.49071	0.97811	mg/L	10/19/10	00:27	
61963-42 1/10	Mn	0.19775	0.11046	0.28503	62.42096	ug/L	10/19/10	00:27	
61963-42 1/10	Mo	1.97833	-0.19089	4.14757	155.06773	ug/L	10/19/10	00:27	
61963-42 1/10	Na	66206.73437	67283.35937	65130.11328	2.29972	ug/L	10/19/10	00:27	
61963-42 1/10	Ni	0.82742	0.42627	1.22858	68.56434	ug/L	10/19/10	00:27	
61963-42 1/10	Pb	-1.47096	-1.98938	-0.95255	49.84146	ug/L	10/19/10	00:27	
61963-42 1/10	Se	5.12213	5.34556	4.89869	6.16904	ug/L	10/19/10	00:27	
61963-42 1/10	Sb	-1.04998	-3.90354	1.80357	384.34384	ug/L	10/19/10	00:27	
61963-42 1/10	Sn	0.74362	-1.49111	2.97835	425.00030	ug/L	10/19/10	00:27	
61963-42 1/10	Sr	351.55850	354.77551	348.34149	1.29410	ug/L	10/19/10	00:27	
61963-42 1/10	Ti	-0.12629	-0.23038	-0.02221	116.55046	ug/L	10/19/10	00:27	
61963-42 1/10	Tl	-1.39551	-3.04805	0.25702	167.46858	ug/L	10/19/10	00:27	
61963-42 1/10	V	1.12830	0.27665	1.97995	106.74509	ug/L	10/19/10	00:27	
61963-42 1/10	Zn	3.23516	3.17370	3.29662	2.68669	ug/L	10/19/10	00:27	
61963-42 1/10	2203/1	1.13577	-3.38679	5.65834	563.12780	ug/L	10/19/10	00:27	
61963-42 1/10	2203/2	-2.77239	-1.29173	-4.25304	75.52909	ug/L	10/19/10	00:27	
61963-42 1/10	1960/1	5.45947	5.05593	5.86300	10.45308	ug/L	10/19/10	00:27	
61963-42 1/10	1960/2	4.95354	5.48999	4.41709	15.31539	ug/L	10/19/10	00:27	
61963-42 1/10	Y	976.40545	974.87097	977.93994	0.22225		10/19/10	00:27	
61963-43	Ag	-0.61254	-1.76867	0.54358	266.92083	ug/L	10/19/10	00:32	
61963-43	Al	0.10151	-5.80901	6.01204	8233.80957	ug/L	10/19/10	00:32	
61963-43	2Al	0.00010	-0.00580	0.00601	8233.29199	mg/L	10/19/10	00:32	
61963-43	As	-0.24054	-5.24613	4.76504	2942.89135	ug/L	10/19/10	00:32	
61963-43	B	1964.00219	1956.34106	1971.66333	0.55165	ug/L	10/19/10	00:32	
61963-43	Ba	38.76802	38.76465	38.77140	0.01230	ug/L	10/19/10	00:32	
61963-43	Be	0.00534	-0.01228	0.02297	466.28213	ug/L	10/19/10	00:32	
61963-43	Ca	214063.12500	213780.15625	214346.09375	0.18694	ug/L	10/19/10	00:32	
61963-43	Cd	-0.08852	-0.44178	0.26473	564.33776	ug/L	10/19/10	00:32	
61963-43	Co	-0.17166	-1.91720	1.57387	1438.02172	ug/L	10/19/10	00:32	
61963-43	Cr	3.87997	2.25624	5.50370	59.18349	ug/L	10/19/10	00:32	
61963-43	Cu	4.63722	3.04764	6.22680	48.47736	ug/L	10/19/10	00:32	
61963-43	Fe	57.27501	37.93426	76.61576	47.75545	ug/L	10/19/10	00:32	
61963-43	2Fe	0.05726	0.03792	0.07660	47.75709	mg/L	10/19/10	00:32	
61963-43	K	169561.40625	169861.07812	169261.71875	0.24994	ug/L	10/19/10	00:32	
61963-43	Mg	474509.25000	473303.00000	475715.53125	0.35951	ug/L	10/19/10	00:32	
61963-43	2Mg	474.33575	473.13330	475.53823	0.35851	mg/L	10/19/10	00:32	
61963-43	Mn	-1.97160	-2.15534	-1.78785	13.17988	ug/L	10/19/10	00:32	
61963-43	Mo	25.66979	24.43529	26.90428	6.80113	ug/L	10/19/10	00:32	
61963-43	Na	3864176.00000	3867870.25000	3860482.00000	0.13519	ug/L	10/19/10	00:32	
61963-43	Ni	0.87967	0.87783	0.88150	0.29493	ug/L	10/19/10	00:32	
61963-43	Pb	-1.72408	-2.64328	-0.80488	75.39931	ug/L	10/19/10	00:32	
61963-43	Se	1.13199	-2.12993	4.39391	407.51660	ug/L	10/19/10	00:32	
61963-43	Sb	-0.26358	-2.48960	1.96242	1194.30859	ug/L	10/19/10	00:32	
61963-43	Sn	-3.63694	-4.18092	-3.09295	21.15267	ug/L	10/19/10	00:32	
61963-43	Sr	4500.86328	4502.67578	4499.05078	0.05695	ug/L	10/19/10	00:32	
61963-43	Ti	-0.22959	-0.67739	0.21821	275.83325	ug/L	10/19/10	00:32	
61963-43	Tl	-6.28854	-7.24387	-5.33321	21.48410	ug/L	10/19/10	00:32	
61963-43	V	-0.47212	-1.14836	0.20411	202.56231	ug/L	10/19/10	00:32	
61963-43	Zn	15.73095	14.80965	16.65225	8.28253	ug/L	10/19/10	00:32	
61963-43	2203/1	8.40102	13.40792	3.39411	84.28534	ug/L	10/19/10	00:32	
61963-43	2203/2	-6.77904	-10.65685	-2.90123	80.89712	ug/L	10/19/10	00:32	
61963-43	1960/1	11.58049	17.31043	5.85056	69.97412	ug/L	10/19/10	00:32	
61963-43	1960/2	-4.08442	-11.83554	3.66668	268.37854	ug/L	10/19/10	00:32	
61963-43	Y	840.82946	838.22393	843.43493	0.43822		10/19/10	00:32	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-43 1/10	Ag	0.79398	0.82343	0.76452	5.24578	ug/L	10/19/10	00:37	
61963-43 1/10	Al	-6.12330	-9.22249	-3.02411	71.57756	ug/L	10/19/10	00:37	
61963-43 1/10	2Al	-0.00612	-0.00922	-0.00302	71.57756	mg/L	10/19/10	00:37	
61963-43 1/10	As	2.81926	2.87142	2.76710	2.61644	ug/L	10/19/10	00:37	
61963-43 1/10	B	188.15289	191.80293	184.50285	2.74347	ug/L	10/19/10	00:37	
61963-43 1/10	Ba	4.08568	4.18096	3.99041	3.29781	ug/L	10/19/10	00:37	
61963-43 1/10	Be	-0.00656	0.00355	-0.01669	217.93077	ug/L	10/19/10	00:37	
61963-43 1/10	Ca	21067.62500	21410.75195	20724.49609	2.30332	ug/L	10/19/10	00:37	
61963-43 1/10	Cd	0.03238	0.15878	-0.09402	552.06549	ug/L	10/19/10	00:37	
61963-43 1/10	Co	0.00387	-0.77960	0.78735	28593.30078	ug/L	10/19/10	00:37	
61963-43 1/10	Cr	0.19343	-0.19236	0.57922	282.06433	ug/L	10/19/10	00:37	
61963-43 1/10	Cu	1.52555	1.08482	1.96629	40.85629	ug/L	10/19/10	00:37	
61963-43 1/10	Fe	32.63416	31.31931	33.94902	5.69796	ug/L	10/19/10	00:37	
61963-43 1/10	2Fe	0.03263	0.03131	0.03394	5.69918	mg/L	10/19/10	00:37	
61963-43 1/10	K	16753.25195	17010.00390	16496.50000	2.16735	ug/L	10/19/10	00:37	
61963-43 1/10	Mg	46612.72265	47366.33593	45859.10937	2.28643	ug/L	10/19/10	00:37	
61963-43 1/10	2Mg	46.59955	47.35295	45.84615	2.28643	mg/L	10/19/10	00:37	
61963-43 1/10	Mn	0.00190	-0.05577	0.05958	4275.55957	ug/L	10/19/10	00:37	
61963-43 1/10	Mo	3.18428	3.41163	2.95694	10.09702	ug/L	10/19/10	00:37	
61963-43 1/10	Na	422412.81250	435190.93750	409634.71875	4.27803	ug/L	10/19/10	00:37	
61963-43 1/10	Ni	0.43744	1.05600	-0.18111	199.97312	ug/L	10/19/10	00:37	
61963-43 1/10	Pb	-1.38665	-3.35217	0.57887	200.45928	ug/L	10/19/10	00:37	
61963-43 1/10	Se	-1.39261	2.24459	-5.02982	369.36160	ug/L	10/19/10	00:37	
61963-43 1/10	Sb	2.48721	1.37364	3.60079	63.31687	ug/L	10/19/10	00:37	
61963-43 1/10	Sn	5.10274	4.25446	5.95102	23.50987	ug/L	10/19/10	00:37	
61963-43 1/10	Sr	459.40499	466.54330	452.26669	2.19742	ug/L	10/19/10	00:37	
61963-43 1/10	Ti	-0.37125	-0.68811	-0.05438	120.70427	ug/L	10/19/10	00:37	
61963-43 1/10	Tl	4.64543	6.94359	2.34727	69.96305	ug/L	10/19/10	00:37	
61963-43 1/10	V	-0.06258	-0.36690	0.24174	687.72125	ug/L	10/19/10	00:37	
61963-43 1/10	Zn	2.12766	1.74775	2.50757	25.25175	ug/L	10/19/10	00:37	
61963-43 1/10	2203/1	4.69520	3.89222	5.49818	24.18615	ug/L	10/19/10	00:37	
61963-43 1/10	2203/2	-4.42301	-6.96894	-1.87709	81.40313	ug/L	10/19/10	00:37	
61963-43 1/10	1960/1	6.61787	14.27969	-1.04394	163.73004	ug/L	10/19/10	00:37	
61963-43 1/10	1960/2	-5.39185	-3.76393	-7.01977	42.69824	ug/L	10/19/10	00:37	
61963-43 1/10	Y	953.91442	955.22393	952.60498	0.19413		10/19/10	00:37	
61943-1	Ag	3.18677	3.09132	3.28223	4.23593	ug/L	10/19/10	00:42	
61943-1	Al	1437381.62500	1438574.75000	1436188.50000	0.11738	ug/L	10/19/10	00:42	
61943-1	2Al	1437.45214	1438.65698	1436.24743	0.11852	mg/L	10/19/10	00:42	
61943-1	As	39.31584	40.32309	38.30859	3.62312	ug/L	10/19/10	00:42	
61943-1	B	228.48251	228.60237	228.36267	0.07418	ug/L	10/19/10	00:42	
61943-1	Ba	6.80016	6.86550	6.73481	1.35906	ug/L	10/19/10	00:42	
61943-1	Be	19.61412	19.58850	19.63974	0.18472	ug/L	10/19/10	00:42	
61943-1	Ca	268419.71875	267423.71875	269415.71875	0.52475	ug/L	10/19/10	00:42	
61943-1	Cd	20.62418	20.00551	21.24285	4.24228	ug/L	10/19/10	00:42	
61943-1	Co	3005.73291	2999.53442	3011.93139	0.29164	ug/L	10/19/10	00:42	
61943-1	Cr	1112.34997	1111.06005	1113.63989	0.16399	ug/L	10/19/10	00:42	
61943-1	Cu	1533.48986	1536.17846	1530.80126	0.24794	ug/L	10/19/10	00:42	
61943-1	Fe	125623.84375	125464.69531	125783.00000	0.17916	ug/L	10/19/10	00:42	
61943-1	2Fe	125.60796	125.44987	125.76605	0.17799	mg/L	10/19/10	00:42	
61943-1	K	3116.38916	3084.28247	3148.49560	1.45699	ug/L	10/19/10	00:42	
61943-1	Mg	169346.07812	168810.00000	169882.15625	0.44768	ug/L	10/19/10	00:42	
61943-1	2Mg	169.28744	168.75318	169.82170	0.44631	mg/L	10/19/10	00:42	
61943-1	Mn	28237.20312	28195.36914	28279.03906	0.20952	ug/L	10/19/10	00:42	
61943-1	Mo	20.95919	17.85312	24.06526	20.95809	ug/L	10/19/10	00:42	
61943-1	Na	49045.56250	49093.70703	48997.41406	0.13882	ug/L	10/19/10	00:42	
61943-1	Ni	242899.90625	242802.64062	242997.15625	0.05662	ug/L	10/19/10	00:42	
61943-1	Pb	16.35257	24.30585	8.39929	68.78208	ug/L	10/19/10	00:42	
61943-1	Se	33.59988	27.82004	39.37973	24.32725	ug/L	10/19/10	00:42	
61943-1	Sb	16.56161	-1.49616	34.61939	154.19729	ug/L	10/19/10	00:42	
61943-1	Sn	-5.06910	-13.83148	3.69327	244.45899	ug/L	10/19/10	00:42	
61943-1	Sr	770.11193	770.98486	769.23901	0.16030	ug/L	10/19/10	00:42	
61943-1	Ti	35.55268	35.43279	35.67256	0.47688	ug/L	10/19/10	00:42	
61943-1	Tl	-1.38159	-9.67201	6.90882	848.61663	ug/L	10/19/10	00:42	
61943-1	V	8262.09375	8258.85937	8265.32812	0.05536	ug/L	10/19/10	00:42	
61943-1	Zn	15928.04882	15874.05371	15982.04296	0.47940	ug/L	10/19/10	00:42	
61943-1	2203/1	249.50993	220.98373	278.03613	16.16855	ug/L	10/19/10	00:42	
61943-1	2203/2	-100.05133	-73.88565	-126.21700	36.98487	ug/L	10/19/10	00:42	
61943-1	1960/1	56.83557	37.97828	75.69286	46.92172	ug/L	10/19/10	00:42	
61943-1	1960/2	21.99945	22.74852	21.25038	4.81531	ug/L	10/19/10	00:42	
61943-1	Y	1794.03735	1775.22290	1812.85192	1.48312		10/19/10	00:42	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61943-1 1/10	Ag	0.75599	1.51847	-0.00649	142.63546	ug/L	10/19/10	00:47	
61943-1 1/10	Al	294065.71875	295787.43750	292344.00000	0.82800	ug/L	10/19/10	00:47	
61943-1 1/10	2Al	294.06994	295.79962	292.34027	0.83181	mg/L	10/19/10	00:47	
61943-1 1/10	As	9.62476	4.91156	14.33797	69.25341	ug/L	10/19/10	00:47	
61943-1 1/10	B	41.15229	40.54927	41.75530	2.07229	ug/L	10/19/10	00:47	
61943-1 1/10	Ba	1.13914	1.36514	0.91314	28.05677	ug/L	10/19/10	00:47	
61943-1 1/10	Be	3.51652	3.54339	3.48966	1.08054	ug/L	10/19/10	00:47	
61943-1 1/10	Ca	46635.96875	46870.74609	46401.19140	0.71195	ug/L	10/19/10	00:47	
61943-1 1/10	Cd	3.63889	3.74268	3.53511	4.03337	ug/L	10/19/10	00:47	
61943-1 1/10	Co	561.41845	564.45404	558.38293	0.76465	ug/L	10/19/10	00:47	
61943-1 1/10	Cr	207.43380	207.94389	206.92372	0.34775	ug/L	10/19/10	00:47	
61943-1 1/10	Cu	273.89736	275.44549	272.34924	0.79934	ug/L	10/19/10	00:47	
61943-1 1/10	Fe	23726.19140	23856.20312	23596.18164	0.77493	ug/L	10/19/10	00:47	
61943-1 1/10	2Fe	23.72293	23.85351	23.59234	0.77845	mg/L	10/19/10	00:47	
61943-1 1/10	K	452.49777	466.96804	438.02749	4.52246	ug/L	10/19/10	00:47	
61943-1 1/10	Mg	31484.17578	31626.95312	31341.39843	0.64133	ug/L	10/19/10	00:47	
61943-1 1/10	2Mg	31.47357	31.61630	31.33085	0.64131	mg/L	10/19/10	00:47	
61943-1 1/10	Mn	5375.39257	5402.38916	5348.39599	0.71025	ug/L	10/19/10	00:47	
61943-1 1/10	Mo	1.79686	1.79808	1.79564	0.09607	ug/L	10/19/10	00:47	
61943-1 1/10	Na	8418.93847	8592.81445	8245.06250	2.92076	ug/L	10/19/10	00:47	
61943-1 1/10	Ni	48220.85937	48438.00781	48003.71093	0.63684	ug/L	10/19/10	00:47	
61943-1 1/10	Pb	6.39328	4.18858	8.59798	48.76861	ug/L	10/19/10	00:47	
61943-1 1/10	Se	3.81768	12.43077	-4.79539	319.06054	ug/L	10/19/10	00:47	
61943-1 1/10	Sb	-6.79873	-3.77415	-9.82332	62.91479	ug/L	10/19/10	00:47	
61943-1 1/10	Sn	0.00636	2.05483	-2.04210	45508.53906	ug/L	10/19/10	00:47	
61943-1 1/10	Sr	146.43121	147.24478	145.61763	0.78574	ug/L	10/19/10	00:47	
61943-1 1/10	Ti	6.52326	6.36460	6.68192	3.43967	ug/L	10/19/10	00:47	
61943-1 1/10	Tl	-1.28237	-5.73275	3.16800	490.79049	ug/L	10/19/10	00:47	
61943-1 1/10	V	1523.15515	1531.64953	1514.66076	0.78868	ug/L	10/19/10	00:47	
61943-1 1/10	Zn	3007.29028	3019.97729	2994.60327	0.59662	ug/L	10/19/10	00:47	
61943-1 1/10	2203/1	24.50386	20.55486	28.45286	22.79122	ug/L	10/19/10	00:47	
61943-1 1/10	2203/2	-2.64842	-3.98227	-1.31457	71.22552	ug/L	10/19/10	00:47	
61943-1 1/10	1960/1	5.82189	15.33472	-3.69093	231.07902	ug/L	10/19/10	00:47	
61943-1 1/10	1960/2	2.81708	10.98097	-5.34679	409.83715	ug/L	10/19/10	00:47	
61943-1 1/10	Y	1081.61547	1080.84594	1082.38500	0.10061		10/19/10	00:47	
62060-1	Ag	0.93759	1.26562	0.60955	49.47891	ug/L	10/19/10	00:53	
62060-1	Al	1157.60839	1157.88244	1157.33435	0.03347	ug/L	10/19/10	00:53	
62060-1	2Al	1.15758	1.15775	1.15741	0.02109	mg/L	10/19/10	00:53	
62060-1	As	-1.36947	-0.07253	-2.66641	133.93046	ug/L	10/19/10	00:53	
62060-1	B	17.78878	16.06423	19.51333	13.71021	ug/L	10/19/10	00:53	
62060-1	Ba	22.76172	22.88994	22.63350	0.79663	ug/L	10/19/10	00:53	
62060-1	Be	0.02475	0.01096	0.03854	78.77903	ug/L	10/19/10	00:53	
62060-1	Ca	2164.49584	2165.64990	2163.34179	0.07540	ug/L	10/19/10	00:53	
62060-1	Cd	0.27281	0.39455	0.15107	63.10805	ug/L	10/19/10	00:53	
62060-1	Co	0.34414	0.34263	0.34564	0.61758	ug/L	10/19/10	00:53	
62060-1	Cr	2.84043	2.40073	3.28014	21.89218	ug/L	10/19/10	00:53	
62060-1	Cu	0.97619	0.56791	1.38446	59.14683	ug/L	10/19/10	00:53	
62060-1	Fe	3750.79394	3755.45092	3746.13720	0.17558	ug/L	10/19/10	00:53	
62060-1	2Fe	3.75031	3.75497	3.74566	0.17559	mg/L	10/19/10	00:53	
62060-1	K	392.04241	395.71499	388.36987	1.32480	ug/L	10/19/10	00:53	
62060-1	Mg	2468.39501	2467.81225	2468.97753	0.03338	ug/L	10/19/10	00:53	
62060-1	2Mg	2.46704	2.46645	2.46762	0.03345	mg/L	10/19/10	00:53	
62060-1	Mn	6.01004	6.00532	6.01476	0.11114	ug/L	10/19/10	00:53	
62060-1	Mo	1.73567	1.87046	1.60089	10.98234	ug/L	10/19/10	00:53	
62060-1	Na	5554.88281	5663.73486	5446.03027	2.77126	ug/L	10/19/10	00:53	
62060-1	Ni	1.70269	1.99016	1.41523	23.87597	ug/L	10/19/10	00:53	
62060-1	Pb	-0.01512	1.19767	-1.22793	11336.22558	ug/L	10/19/10	00:53	
62060-1	Se	-2.34665	-3.64755	-1.04576	78.39839	ug/L	10/19/10	00:53	
62060-1	Sb	-4.93788	-5.97032	-3.90544	29.56914	ug/L	10/19/10	00:53	
62060-1	Sn	0.85854	3.76703	-2.04994	479.09378	ug/L	10/19/10	00:53	
62060-1	Sr	25.49917	25.48138	25.51696	0.09865	ug/L	10/19/10	00:53	
62060-1	Ti	46.36696	47.33854	45.39538	2.96335	ug/L	10/19/10	00:53	
62060-1	Tl	-3.73318	-5.21442	-2.25194	56.11280	ug/L	10/19/10	00:53	
62060-1	V	4.46627	5.25165	3.68089	24.86844	ug/L	10/19/10	00:53	
62060-1	Zn	7.31978	7.42107	7.21849	1.95696	ug/L	10/19/10	00:53	
62060-1	2203/1	0.24310	1.55734	-1.07113	764.53631	ug/L	10/19/10	00:53	
62060-1	2203/2	-0.14405	1.01810	-1.30621	1140.92370	ug/L	10/19/10	00:53	
62060-1	1960/1	1.18477	-0.10671	2.47626	154.15937	ug/L	10/19/10	00:53	
62060-1	1960/2	-4.10973	-5.41531	-2.80414	44.92709	ug/L	10/19/10	00:53	
62060-1	Y	988.11895	987.74096	988.49694	0.05409		10/19/10	00:53	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62060-1L	Ag	0.49824	0.14712	0.84936	99.66207	ug/L	10/19/10	00:58	
62060-1L	Al	261.51190	253.11819	269.90560	4.53917	ug/L	10/19/10	00:58	
62060-1L	2Al	0.26152	0.25313	0.26992	4.53917	mg/L	10/19/10	00:58	
62060-1L	As	0.41695	-0.40517	1.23909	278.84475	ug/L	10/19/10	00:58	
62060-1L	B	1.45789	1.52019	1.39558	6.04368	ug/L	10/19/10	00:58	
62060-1L	Ba	4.66140	4.52245	4.80035	4.21564	ug/L	10/19/10	00:58	
62060-1L	Be	0.00530	-0.03610	0.04670	1104.54333	ug/L	10/19/10	00:58	
62060-1L	Ca	461.89602	468.48449	455.30755	2.01722	ug/L	10/19/10	00:58	
62060-1L	Cd	0.00169	-0.10918	0.11257	9265.90332	ug/L	10/19/10	00:58	
62060-1L	Co	0.26299	-0.30319	0.82919	304.45834	ug/L	10/19/10	00:58	
62060-1L	Cr	0.72262	0.48399	0.96124	46.70024	ug/L	10/19/10	00:58	
62060-1L	Cu	-0.07638	-0.05352	-0.09923	42.31840	ug/L	10/19/10	00:58	
62060-1L	Fe	782.99072	787.39978	778.58166	0.79635	ug/L	10/19/10	00:58	
62060-1L	2Fe	0.78289	0.78729	0.77848	0.79629	mg/L	10/19/10	00:58	
62060-1L	K	88.57810	81.43975	95.71646	11.39690	ug/L	10/19/10	00:58	
62060-1L	Mg	506.04061	515.39440	496.68682	2.61407	ug/L	10/19/10	00:58	
62060-1L	2Mg	0.50576	0.51511	0.49641	2.61452	mg/L	10/19/10	00:58	
62060-1L	Mn	1.70808	1.46405	1.95211	20.20481	ug/L	10/19/10	00:58	
62060-1L	Mo	0.85573	3.33167	-1.62020	409.17932	ug/L	10/19/10	00:58	
62060-1L	Na	1212.32629	1286.53833	1138.11425	8.65704	ug/L	10/19/10	00:58	
62060-1L	Ni	4.38812	2.06646	6.70978	74.82295	ug/L	10/19/10	00:58	
62060-1L	Pb	-0.91330	0.38844	-2.21506	201.57023	ug/L	10/19/10	00:58	
62060-1L	Se	-4.56211	-4.82810	-4.29611	8.24564	ug/L	10/19/10	00:58	
62060-1L	Sb	-7.58844	-12.32676	-2.85012	88.30524	ug/L	10/19/10	00:58	
62060-1L	Sn	-0.27593	-2.99328	2.44142	1392.70849	ug/L	10/19/10	00:58	
62060-1L	Sr	5.27119	5.37784	5.16453	2.86148	ug/L	10/19/10	00:58	
62060-1L	Ti	10.22585	10.41145	10.04026	2.56671	ug/L	10/19/10	00:58	
62060-1L	Tl	2.62121	4.88771	0.35471	122.28350	ug/L	10/19/10	00:58	
62060-1L	V	1.55110	0.41186	2.69033	103.86920	ug/L	10/19/10	00:58	
62060-1L	Zn	2.04963	1.82570	2.27356	15.45099	ug/L	10/19/10	00:58	
62060-1L	2203/1	5.64856	3.53157	7.76554	53.00228	ug/L	10/19/10	00:58	
62060-1L	2203/2	-4.18932	-1.18076	-7.19788	101.56167	ug/L	10/19/10	00:58	
62060-1L	1960/1	3.51460	1.88191	5.14729	65.69661	ug/L	10/19/10	00:58	
62060-1L	1960/2	-8.59441	-8.17808	-9.01074	6.85068	ug/L	10/19/10	00:58	
62060-1L	Y	969.25494	951.53393	986.97595	2.58562		10/19/10	00:58	
62060-1A	Ag	43.62311	44.06739	43.17882	1.44032	ug/L	10/19/10	01:03	
62060-1A	Al	3204.85058	3200.53588	3209.16503	0.19039	ug/L	10/19/10	01:03	
62060-1A	2Al	3.20505	3.20074	3.20937	0.19039	mg/L	10/19/10	01:03	
62060-1A	As	2015.24047	2019.59960	2010.88146	0.30590	ug/L	10/19/10	01:03	
62060-1A	B	910.81323	906.92547	914.70092	0.60364	ug/L	10/19/10	01:03	
62060-1A	Ba	2067.64111	2066.87670	2068.40576	0.05229	ug/L	10/19/10	01:03	
62060-1A	Be	50.49304	50.49891	50.48718	0.01642	ug/L	10/19/10	01:03	
62060-1A	Ca	6724.88769	6721.15820	6728.61767	0.07843	ug/L	10/19/10	01:03	
62060-1A	Cd	50.36356	50.20158	50.52553	0.45482	ug/L	10/19/10	01:03	
62060-1A	Co	514.13574	513.17138	515.10015	0.26526	ug/L	10/19/10	01:03	
62060-1A	Cr	205.74533	205.52162	205.96902	0.15376	ug/L	10/19/10	01:03	
62060-1A	Cu	253.10464	252.14590	254.06336	0.53568	ug/L	10/19/10	01:03	
62060-1A	Fe	4776.97656	4778.46923	4775.48339	0.04419	ug/L	10/19/10	01:03	
62060-1A	2Fe	4.77658	4.77807	4.77509	0.04418	mg/L	10/19/10	01:03	
62060-1A	K	4862.38867	4863.18798	4861.58984	0.02324	ug/L	10/19/10	01:03	
62060-1A	Mg	7073.94238	7069.61523	7078.27001	0.08651	ug/L	10/19/10	01:03	
62060-1A	2Mg	7.07134	7.06701	7.07567	0.08652	mg/L	10/19/10	01:03	
62060-1A	Mn	520.58081	520.41864	520.74304	0.04406	ug/L	10/19/10	01:03	
62060-1A	Mo	441.67047	438.49221	444.84872	1.01766	ug/L	10/19/10	01:03	
62060-1A	Na	10144.44921	10144.38183	10144.51562	0.00093	ug/L	10/19/10	01:03	
62060-1A	Ni	503.05773	503.30551	502.80996	0.06965	ug/L	10/19/10	01:03	
62060-1A	Pb	504.87164	505.03668	504.70657	0.04623	ug/L	10/19/10	01:03	
62060-1A	Se	1997.95751	1988.43432	2007.48071	0.67407	ug/L	10/19/10	01:03	
62060-1A	Sb	485.45104	484.43154	486.47058	0.29700	ug/L	10/19/10	01:03	
62060-1A	Sn	908.22302	907.75610	908.69000	0.07270	ug/L	10/19/10	01:03	
62060-1A	Sr	478.86596	479.63528	478.09667	0.22719	ug/L	10/19/10	01:03	
62060-1A	Ti	949.51550	948.84252	950.18841	0.10022	ug/L	10/19/10	01:03	
62060-1A	Tl	2039.76733	2038.04309	2041.49169	0.11954	ug/L	10/19/10	01:03	
62060-1A	V	509.06408	508.95770	509.17044	0.02955	ug/L	10/19/10	01:03	
62060-1A	Zn	521.69824	521.35467	522.04180	0.09313	ug/L	10/19/10	01:03	
62060-1A	2203/1	510.50183	514.57647	506.42715	1.12877	ug/L	10/19/10	01:03	
62060-1A	2203/2	502.06072	500.27392	503.84756	0.50331	ug/L	10/19/10	01:03	
62060-1A	1960/1	2054.88476	2049.34228	2060.42724	0.38144	ug/L	10/19/10	01:03	
62060-1A	1960/2	1969.53662	1958.02600	1981.04724	0.82651	ug/L	10/19/10	01:03	
62060-1A	Y	996.62847	996.59698	996.65997	0.00446		10/19/10	01:03	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62060-2	Ag	1.07084	0.36489	1.77680	93.23181	ug/L	10/19/10	01:08	
62060-2	Al	867.52050	869.47290	865.56817	0.31826	ug/L	10/19/10	01:08	
62060-2	2Al	0.86757	0.86953	0.86562	0.31826	mg/L	10/19/10	01:08	
62060-2	As	5.77077	-0.72793	12.26947	159.26045	ug/L	10/19/10	01:08	
62060-2	B	20.62649	19.90491	21.34807	4.94736	ug/L	10/19/10	01:08	
62060-2	Ba	11.49974	11.23042	11.76907	3.31212	ug/L	10/19/10	01:08	
62060-2	Be	0.05727	0.04370	0.07084	33.50447	ug/L	10/19/10	01:08	
62060-2	Ca	1590.22827	1588.38525	1592.07128	0.16390	ug/L	10/19/10	01:08	
62060-2	Cd	-0.13055	-0.30761	0.04649	191.78947	ug/L	10/19/10	01:08	
62060-2	Co	0.29512	0.85150	-0.26125	266.61343	ug/L	10/19/10	01:08	
62060-2	Cr	3.69687	3.56065	3.83310	5.21113	ug/L	10/19/10	01:08	
62060-2	Cu	0.83613	1.63232	0.03993	134.66667	ug/L	10/19/10	01:08	
62060-2	Fe	1649.44360	1647.44189	1651.44543	0.17162	ug/L	10/19/10	01:08	
62060-2	2Fe	1.64923	1.64723	1.65123	0.17161	mg/L	10/19/10	01:08	
62060-2	K	1048.24316	1036.43249	1060.05371	1.59340	ug/L	10/19/10	01:08	
62060-2	Mg	1051.33557	1050.19445	1052.47668	0.15349	ug/L	10/19/10	01:08	
62060-2	2Mg	1.05075	1.04961	1.05189	0.15348	mg/L	10/19/10	01:08	
62060-2	Mn	6.81513	6.82473	6.80553	0.19923	ug/L	10/19/10	01:08	
62060-2	Mo	1.40714	1.93797	0.87631	53.34931	ug/L	10/19/10	01:08	
62060-2	Na	6679.93066	6738.21386	6621.64697	1.23392	ug/L	10/19/10	01:08	
62060-2	Ni	0.73021	1.07862	0.38179	67.47796	ug/L	10/19/10	01:08	
62060-2	Pb	-1.95609	-3.24471	-0.66747	93.16463	ug/L	10/19/10	01:08	
62060-2	Se	1.08930	2.68275	-0.50415	206.87397	ug/L	10/19/10	01:08	
62060-2	Sb	2.56602	4.04488	1.08716	81.50453	ug/L	10/19/10	01:08	
62060-2	Sn	1.65137	4.16724	-0.86450	215.45620	ug/L	10/19/10	01:08	
62060-2	Sr	29.04904	29.05539	29.04270	0.03089	ug/L	10/19/10	01:08	
62060-2	Ti	108.36261	109.63636	107.08886	1.66233	ug/L	10/19/10	01:08	
62060-2	Tl	-0.03463	-4.04305	3.97377	16365.23437	ug/L	10/19/10	01:08	
62060-2	V	4.85758	4.82772	4.88743	0.86920	ug/L	10/19/10	01:08	
62060-2	Zn	7.88271	8.17883	7.58659	5.31266	ug/L	10/19/10	01:08	
62060-2	2203/1	3.73417	3.16174	4.30659	21.67890	ug/L	10/19/10	01:08	
62060-2	2203/2	-4.79695	-6.44314	-3.15077	48.53192	ug/L	10/19/10	01:08	
62060-2	1960/1	11.61125	16.20536	7.01714	55.95480	ug/L	10/19/10	01:08	
62060-2	1960/2	-4.16378	-4.06841	-4.25916	3.23937	ug/L	10/19/10	01:08	
62060-2	Y	999.77392	999.42297	1000.12493	0.04964		10/19/10	01:08	
CCV	Ag	502.04296	501.57629	502.50961	0.13145	ug/L	10/19/10	01:13	
CCV	Al	5014.76660	5006.55712	5022.97656	0.23152	ug/L	10/19/10	01:13	
CCV	2Al	5.01464	5.00643	5.02285	0.23154	mg/L	10/19/10	01:13	
CCV	As	511.54684	511.79187	511.30181	0.06773	ug/L	10/19/10	01:13	
CCV	B	5022.89550	5015.51123	5030.28027	0.20791	ug/L	10/19/10	01:13	
CCV	Ba	5042.45605	5041.08447	5043.82714	0.03846	ug/L	10/19/10	01:13	
CCV	Be	505.01446	504.22830	505.80062	0.22015	ug/L	10/19/10	01:13	
CCV	Ca	5008.93652	5002.26318	5015.60937	0.18840	ug/L	10/19/10	01:13	
CCV	Cd	496.74365	496.21252	497.27474	0.15120	ug/L	10/19/10	01:13	
CCV	Co	506.92480	507.26953	506.58010	0.09616	ug/L	10/19/10	01:13	
CCV	Cr	5036.33007	5028.52880	5044.13085	0.21905	ug/L	10/19/10	01:13	
CCV	Cu	5042.60253	5039.16699	5046.03857	0.09635	ug/L	10/19/10	01:13	
CCV	Fe	5043.64355	5053.17187	5034.11523	0.26716	ug/L	10/19/10	01:13	
CCV	2Fe	5.04364	5.05317	5.03412	0.26713	mg/L	10/19/10	01:13	
CCV	K	10024.57421	10023.18066	10025.96777	0.01965	ug/L	10/19/10	01:13	
CCV	Mg	5130.81591	5118.89550	5142.73632	0.32856	ug/L	10/19/10	01:13	
CCV	2Mg	5.13080	5.11888	5.14272	0.32860	mg/L	10/19/10	01:13	
CCV	Mn	5078.75634	5072.28906	5085.22363	0.18008	ug/L	10/19/10	01:13	
CCV	Mo	495.65451	498.48818	492.82083	0.80851	ug/L	10/19/10	01:13	
CCV	Na	7453.41796	7540.22998	7366.60546	1.64717	ug/L	10/19/10	01:13	
CCV	Ni	2511.07958	2506.32080	2515.83862	0.26801	ug/L	10/19/10	01:13	
CCV	Pb	504.87686	505.66864	504.08508	0.22178	ug/L	10/19/10	01:13	
CCV	Se	5000.04101	5017.60839	4982.47314	0.49688	ug/L	10/19/10	01:13	
CCV	Sb	498.90426	495.83602	501.97250	0.86973	ug/L	10/19/10	01:13	
CCV	Sn	5043.03710	5041.62988	5044.44384	0.03945	ug/L	10/19/10	01:13	
CCV	Sr	2525.17822	2531.51074	2518.84570	0.35464	ug/L	10/19/10	01:13	
CCV	Ti	501.50231	501.12356	501.88110	0.10681	ug/L	10/19/10	01:13	
CCV	Tl	4997.03173	4999.68603	4994.37744	0.07511	ug/L	10/19/10	01:13	
CCV	V	5075.27539	5071.20605	5079.34472	0.11339	ug/L	10/19/10	01:13	
CCV	Zn	2530.73876	2526.16040	2535.31738	0.25585	ug/L	10/19/10	01:13	
CCV	2203/1	507.42202	512.67364	502.17041	1.46365	ug/L	10/19/10	01:13	
CCV	2203/2	503.60620	502.17138	505.04098	0.40291	ug/L	10/19/10	01:13	
CCV	1960/1	5100.99853	5135.19384	5066.80322	0.94803	ug/L	10/19/10	01:13	
CCV	1960/2	4949.63769	4958.90380	4940.37109	0.26475	ug/L	10/19/10	01:13	
CCV	Y	985.34240	984.96893	985.71594	0.05360		10/19/10	01:13	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.46218	0.31206	0.61229	45.93415	ug/L	10/19/10	01:19	
CCB	Al	-15.59560	-20.41656	-10.77464	43.71658	ug/L	10/19/10	01:19	
CCB	2Al	-0.01559	-0.02041	-0.01077	43.71650	mg/L	10/19/10	01:19	
CCB	As	1.03906	3.19860	-1.12047	293.92370	ug/L	10/19/10	01:19	
CCB	B	7.73826	8.74322	6.73329	18.36631	ug/L	10/19/10	01:19	
CCB	Ba	1.03830	0.14639	1.93020	121.48165	ug/L	10/19/10	01:19	
CCB	Be	0.08322	-0.00689	0.17335	153.14286	ug/L	10/19/10	01:19	
CCB	Ca	3.10440	3.02369	3.18512	3.67702	ug/L	10/19/10	01:19	
CCB	Cd	-0.10618	-0.45721	0.24484	467.51522	ug/L	10/19/10	01:19	
CCB	Co	0.72637	0.37271	1.08003	68.85588	ug/L	10/19/10	01:19	
CCB	Cr	0.84646	-0.20189	1.89481	175.15260	ug/L	10/19/10	01:19	
CCB	Cu	0.69079	-0.10462	1.48621	162.84004	ug/L	10/19/10	01:19	
CCB	Fe	-3.00106	-10.68548	4.68334	362.11791	ug/L	10/19/10	01:19	
CCB	2Fe	-0.00300	-0.01068	0.00468	362.15856	mg/L	10/19/10	01:19	
CCB	K	-0.34844	-3.92101	3.22413	1449.99243	ug/L	10/19/10	01:19	
CCB	Mg	-4.23464	-5.77664	-2.69263	51.49729	ug/L	10/19/10	01:19	
CCB	2Mg	-0.00423	-0.00577	-0.00269	51.47720	mg/L	10/19/10	01:19	
CCB	Mn	0.96072	0.09275	1.82870	127.76737	ug/L	10/19/10	01:19	
CCB	Mo	0.79614	1.78032	-0.18803	174.82183	ug/L	10/19/10	01:19	
CCB	Na	-19.99326	2.33011	-42.31663	157.90328	ug/L	10/19/10	01:19	
CCB	Ni	1.10630	-0.46301	2.67562	200.60923	ug/L	10/19/10	01:19	
CCB	Pb	-0.86429	-2.70862	0.98002	301.77868	ug/L	10/19/10	01:19	
CCB	Se	-0.28387	0.03179	-0.59954	157.25993	ug/L	10/19/10	01:19	
CCB	Sb	-7.85668	-7.83165	-7.88170	0.45045	ug/L	10/19/10	01:19	
CCB	Sn	0.98239	1.90244	0.06233	132.44808	ug/L	10/19/10	01:19	
CCB	Sr	0.46986	0.01115	0.92856	138.06404	ug/L	10/19/10	01:19	
CCB	Ti	-0.01623	-0.10646	0.07399	786.09930	ug/L	10/19/10	01:19	
CCB	Tl	-2.99669	-3.59085	-2.40252	28.04012	ug/L	10/19/10	01:19	
CCB	V	0.47587	-0.04514	0.99689	154.83905	ug/L	10/19/10	01:19	
CCB	Zn	0.45822	-0.10611	1.02257	174.17166	ug/L	10/19/10	01:19	
CCB	2203/1	0.63373	-0.55871	1.82619	266.10137	ug/L	10/19/10	01:19	
CCB	2203/2	-1.61219	-3.78196	0.55757	190.33178	ug/L	10/19/10	01:19	
CCB	1960/1	1.83682	-0.42264	4.09629	173.96153	ug/L	10/19/10	01:19	
CCB	1960/2	-1.34263	0.25866	-2.94393	168.66732	ug/L	10/19/10	01:19	
CCB	Y	986.69244	988.12792	985.25695	0.20574		10/19/10	01:19	
62145-2	Ag	-0.16413	-0.22398	-0.10428	51.56690	ug/L	10/19/10	01:24	
62145-2	Al	3189.31591	3191.59179	3187.04028	0.10091	ug/L	10/19/10	01:24	
62145-2	2Al	3.18932	3.19139	3.18725	0.09186	mg/L	10/19/10	01:24	
62145-2	As	0.28236	0.12888	0.43584	76.86985	ug/L	10/19/10	01:24	
62145-2	B	83.02287	84.99924	81.04650	3.36654	ug/L	10/19/10	01:24	
62145-2	Ba	43.45218	43.23109	43.67328	0.71958	ug/L	10/19/10	01:24	
62145-2	Be	0.14483	0.11708	0.17257	27.09071	ug/L	10/19/10	01:24	
62145-2	Ca	7330.55517	7327.61474	7333.49560	0.05672	ug/L	10/19/10	01:24	
62145-2	Cd	0.39003	0.28828	0.49179	36.89487	ug/L	10/19/10	01:24	
62145-2	Co	1.76363	1.76719	1.76006	0.28590	ug/L	10/19/10	01:24	
62145-2	Cr	21.45330	21.03454	21.87205	2.76047	ug/L	10/19/10	01:24	
62145-2	Cu	25.46190	26.02500	24.89880	3.12759	ug/L	10/19/10	01:24	
62145-2	Fe	39835.93750	39782.08984	39889.78125	0.19115	ug/L	10/19/10	01:24	
62145-2	2Fe	39.82894	39.77317	39.88472	0.19805	mg/L	10/19/10	01:24	
62145-2	K	38147.73046	38164.42968	38131.03125	0.06190	ug/L	10/19/10	01:24	
62145-2	Mg	7183.21679	7176.04248	7190.39111	0.14124	ug/L	10/19/10	01:24	
62145-2	2Mg	7.17429	7.16713	7.18145	0.14119	mg/L	10/19/10	01:24	
62145-2	Mn	240.57006	240.58486	240.55526	0.00870	ug/L	10/19/10	01:24	
62145-2	Mo	0.98139	1.52226	0.44053	77.93964	ug/L	10/19/10	01:24	
62145-2	Na	67473.11718	67449.17968	67497.05468	0.05017	ug/L	10/19/10	01:24	
62145-2	Ni	16.19511	15.37600	17.01421	7.15269	ug/L	10/19/10	01:24	
62145-2	Pb	26.41426	24.50575	28.32277	10.21812	ug/L	10/19/10	01:24	
62145-2	Se	4.33965	6.13385	2.54544	58.47002	ug/L	10/19/10	01:24	
62145-2	Sb	-2.41877	-2.40434	-2.43320	0.84361	ug/L	10/19/10	01:24	
62145-2	Sn	1.53283	1.40068	1.66498	12.19233	ug/L	10/19/10	01:24	
62145-2	Sr	57.34787	57.38594	57.30980	0.09388	ug/L	10/19/10	01:24	
62145-2	Ti	212.45924	212.49493	212.42355	0.02375	ug/L	10/19/10	01:24	
62145-2	Tl	-1.67276	-12.06017	8.71464	878.18572	ug/L	10/19/10	01:24	
62145-2	V	10.45000	10.00058	10.89942	6.08208	ug/L	10/19/10	01:24	
62145-2	Zn	272.08654	271.80078	272.37234	0.14853	ug/L	10/19/10	01:24	
62145-2	2203/1	29.95712	27.73987	32.17436	10.46715	ug/L	10/19/10	01:24	
62145-2	2203/2	24.64548	22.89111	26.39986	10.06700	ug/L	10/19/10	01:24	
62145-2	1960/1	3.27041	3.85012	2.69069	25.06858	ug/L	10/19/10	01:24	
62145-2	1960/2	4.87346	7.27401	2.47292	69.66047	ug/L	10/19/10	01:24	
62145-2	Y	982.23297	981.10797	983.35797	0.16197		10/19/10	01:24	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61984-1	Ag	0.61208	0.13394	1.09022	110.47258	ug/L	10/19/10	01:29	
61984-1	Al	94.61746	94.25476	94.98014	0.54209	ug/L	10/19/10	01:29	
61984-1	2Al	0.09462	0.09426	0.09498	0.54210	mg/L	10/19/10	01:29	
61984-1	As	-0.90272	-2.68396	0.87850	279.04806	ug/L	10/19/10	01:29	
61984-1	B	658.32409	659.12890	657.51922	0.17289	ug/L	10/19/10	01:29	
61984-1	Ba	63.24694	63.23430	63.25959	0.02826	ug/L	10/19/10	01:29	
61984-1	Be	0.03259	0.02836	0.03681	18.33781	ug/L	10/19/10	01:29	
61984-1	Ca	28771.09960	28741.81445	28800.38476	0.14394	ug/L	10/19/10	01:29	
61984-1	Cd	-0.15093	-0.10749	-0.19436	40.69804	ug/L	10/19/10	01:29	
61984-1	Co	0.33093	0.62132	0.04054	124.09375	ug/L	10/19/10	01:29	
61984-1	Cr	0.66000	0.49647	0.82353	35.03977	ug/L	10/19/10	01:29	
61984-1	Cu	2.30456	2.77539	1.83373	28.89256	ug/L	10/19/10	01:29	
61984-1	Fe	135.99746	133.32669	138.66825	2.77730	ug/L	10/19/10	01:29	
61984-1	2Fe	0.13598	0.13331	0.13865	2.77714	mg/L	10/19/10	01:29	
61984-1	K	3976.85644	3971.14746	3982.56518	0.20301	ug/L	10/19/10	01:29	
61984-1	Mg	1036.82324	1036.11853	1037.52783	0.09611	ug/L	10/19/10	01:29	
61984-1	2Mg	1.03650	1.03580	1.03721	0.09605	mg/L	10/19/10	01:29	
61984-1	Mn	6.40106	6.41110	6.39102	0.22178	ug/L	10/19/10	01:29	
61984-1	Mo	-1.62214	-1.53135	-1.71293	7.91519	ug/L	10/19/10	01:29	
61984-1	Na	6828.16601	6851.63769	6804.69433	0.48613	ug/L	10/19/10	01:29	
61984-1	Ni	2.34631	1.00780	3.68482	80.67723	ug/L	10/19/10	01:29	
61984-1	Pb	-1.15710	-1.15043	-1.16377	0.81518	ug/L	10/19/10	01:29	
61984-1	Se	-2.60811	-2.41166	-2.80455	10.65186	ug/L	10/19/10	01:29	
61984-1	Sb	-4.39172	-8.09526	-0.68817	119.26084	ug/L	10/19/10	01:29	
61984-1	Sn	-2.18859	-2.87475	-1.50244	44.33750	ug/L	10/19/10	01:29	
61984-1	Sr	379.76092	379.51617	380.00570	0.09114	ug/L	10/19/10	01:29	
61984-1	Ti	1.01455	1.23346	0.79563	30.51492	ug/L	10/19/10	01:29	
61984-1	Tl	-3.11929	-2.65240	-3.58619	21.16779	ug/L	10/19/10	01:29	
61984-1	V	0.71859	1.29318	0.14399	113.08238	ug/L	10/19/10	01:29	
61984-1	Zn	28.06207	28.37317	27.75096	1.56784	ug/L	10/19/10	01:29	
61984-1	2203/1	3.79099	3.40292	4.17905	14.47665	ug/L	10/19/10	01:29	
61984-1	2203/2	-3.62744	-3.42370	-3.83119	7.94317	ug/L	10/19/10	01:29	
61984-1	1960/1	-1.87057	-4.36045	0.61931	188.24383	ug/L	10/19/10	01:29	
61984-1	1960/2	-2.97632	-1.43873	-4.51392	73.05940	ug/L	10/19/10	01:29	
61984-1	Y	985.88696	986.55297	985.22094	0.09553		10/19/10	01:29	
61984-2	Ag	-0.01467	-0.28376	0.25442	2593.78710	ug/L	10/19/10	01:34	
61984-2	Al	122.46548	126.68787	118.24309	4.87595	ug/L	10/19/10	01:34	
61984-2	2Al	0.12247	0.12669	0.11825	4.87595	mg/L	10/19/10	01:34	
61984-2	As	3.56117	5.37352	1.74883	71.97187	ug/L	10/19/10	01:34	
61984-2	B	14396.10253	14359.03906	14433.16601	0.36409	ug/L	10/19/10	01:34	
61984-2	Ba	91.57714	91.20740	91.94688	0.57098	ug/L	10/19/10	01:34	
61984-2	Be	-0.00459	-0.02725	0.01806	697.23675	ug/L	10/19/10	01:34	
61984-2	Ca	23517.35156	23498.49023	23536.21484	0.11342	ug/L	10/19/10	01:34	
61984-2	Cd	0.00182	-0.42287	0.42652	32957.85937	ug/L	10/19/10	01:34	
61984-2	Co	2.93476	3.33856	2.53096	19.45827	ug/L	10/19/10	01:34	
61984-2	Cr	1.38388	1.98942	0.77833	61.88140	ug/L	10/19/10	01:34	
61984-2	Cu	3.65423	4.17508	3.13337	20.15739	ug/L	10/19/10	01:34	
61984-2	Fe	41181.71875	41057.32031	41306.11718	0.42719	ug/L	10/19/10	01:34	
61984-2	2Fe	41.17584	41.05081	41.30088	0.42942	mg/L	10/19/10	01:34	
61984-2	K	2069.80029	2067.05786	2072.54248	0.18737	ug/L	10/19/10	01:34	
61984-2	Mg	9103.42773	9094.02148	9112.83398	0.14612	ug/L	10/19/10	01:34	
61984-2	2Mg	9.09366	9.08428	9.10305	0.14590	mg/L	10/19/10	01:34	
61984-2	Mn	115.32149	115.19130	115.45168	0.15965	ug/L	10/19/10	01:34	
61984-2	Mo	-2.25320	-2.25276	-2.25364	0.02746	ug/L	10/19/10	01:34	
61984-2	Na	17558.25390	17611.08203	17505.42578	0.42549	ug/L	10/19/10	01:34	
61984-2	Ni	4.56086	4.38458	4.73713	5.46590	ug/L	10/19/10	01:34	
61984-2	Pb	0.75666	1.49599	0.01733	138.18179	ug/L	10/19/10	01:34	
61984-2	Se	-0.18113	-2.35893	1.99667	1700.36523	ug/L	10/19/10	01:34	
61984-2	Sb	-7.24183	-14.84079	0.35712	148.39541	ug/L	10/19/10	01:34	
61984-2	Sn	0.77480	3.31673	-1.76713	463.97079	ug/L	10/19/10	01:34	
61984-2	Sr	352.58685	352.12509	353.04858	0.18520	ug/L	10/19/10	01:34	
61984-2	Ti	1.18079	1.27105	1.09054	10.80943	ug/L	10/19/10	01:34	
61984-2	Tl	-3.08252	-7.80839	1.64335	216.81590	ug/L	10/19/10	01:34	
61984-2	V	-0.30287	-0.72661	0.12085	197.85154	ug/L	10/19/10	01:34	
61984-2	Zn	12.04911	12.27942	11.81881	2.70308	ug/L	10/19/10	01:34	
61984-2	2203/1	3.65046	1.75336	5.54755	73.49462	ug/L	10/19/10	01:34	
61984-2	2203/2	-0.68806	1.36749	-2.74363	422.48937	ug/L	10/19/10	01:34	
61984-2	1960/1	6.81855	6.70205	6.93505	2.41633	ug/L	10/19/10	01:34	
61984-2	1960/2	-3.67572	-6.88263	-0.46881	123.38394	ug/L	10/19/10	01:34	
61984-2	Y	984.34344	984.52795	984.15893	0.02650		10/19/10	01:34	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61984-3	Ag	0.15927	-0.28323	0.60179	392.90957	ug/L	10/19/10	01:40	
61984-3	Al	79.61663	78.07721	81.15605	2.73444	ug/L	10/19/10	01:40	
61984-3	2Al	0.07962	0.07808	0.08116	2.73444	mg/L	10/19/10	01:40	
61984-3	As	1.63657	3.26678	0.00635	140.87184	ug/L	10/19/10	01:40	
61984-3	B	95.79637	101.29928	90.29347	8.12377	ug/L	10/19/10	01:40	
61984-3	Ba	46.41950	46.47929	46.35970	0.18217	ug/L	10/19/10	01:40	
61984-3	Be	0.12287	0.11299	0.13274	11.36601	ug/L	10/19/10	01:40	
61984-3	Ca	1905.67651	1907.66247	1903.69042	0.14738	ug/L	10/19/10	01:40	
61984-3	Cd	0.31185	-0.00074	0.62445	141.76019	ug/L	10/19/10	01:40	
61984-3	Co	0.35140	0.23981	0.46300	44.91056	ug/L	10/19/10	01:40	
61984-3	Cr	0.53260	0.21215	0.85304	85.08721	ug/L	10/19/10	01:40	
61984-3	Cu	0.58504	0.58419	0.58588	0.20483	ug/L	10/19/10	01:40	
61984-3	Fe	40.40752	40.48170	40.33335	0.25960	ug/L	10/19/10	01:40	
61984-3	2Fe	0.04040	0.04047	0.04032	0.25924	mg/L	10/19/10	01:40	
61984-3	K	553.65673	552.93878	554.37475	0.18339	ug/L	10/19/10	01:40	
61984-3	Mg	2629.94726	2629.81909	2630.07568	0.00689	ug/L	10/19/10	01:40	
61984-3	2Mg	2.62919	2.62907	2.62932	0.00689	mg/L	10/19/10	01:40	
61984-3	Mn	4.98168	4.96477	4.99859	0.48012	ug/L	10/19/10	01:40	
61984-3	Mo	0.43573	0.25899	0.61247	57.36195	ug/L	10/19/10	01:40	
61984-3	Na	2175.39746	2180.36132	2170.43334	0.32270	ug/L	10/19/10	01:40	
61984-3	Ni	1.80719	2.28341	1.33096	37.26661	ug/L	10/19/10	01:40	
61984-3	Pb	-0.17375	3.23281	-3.58032	2772.65087	ug/L	10/19/10	01:40	
61984-3	Se	2.76100	2.21097	3.31104	28.17330	ug/L	10/19/10	01:40	
61984-3	Sb	-0.49800	-3.23262	2.23661	776.56463	ug/L	10/19/10	01:40	
61984-3	Sn	-0.27110	-0.07162	-0.47058	104.05887	ug/L	10/19/10	01:40	
61984-3	Sr	38.14269	38.14294	38.14244	0.00092	ug/L	10/19/10	01:40	
61984-3	Ti	-0.17965	-0.26980	-0.08950	70.96187	ug/L	10/19/10	01:40	
61984-3	Tl	-8.82230	-14.28182	-3.36278	87.51596	ug/L	10/19/10	01:40	
61984-3	V	-0.49464	-1.15886	0.16956	189.89987	ug/L	10/19/10	01:40	
61984-3	Zn	9.84424	9.53958	10.14890	4.37666	ug/L	10/19/10	01:40	
61984-3	2203/1	0.47047	1.59162	-0.65068	337.01379	ug/L	10/19/10	01:40	
61984-3	2203/2	-0.49538	4.05218	-5.04295	1298.22985	ug/L	10/19/10	01:40	
61984-3	1960/1	1.42560	-3.09575	5.94695	448.52313	ug/L	10/19/10	01:40	
61984-3	1960/2	3.42768	4.86035	1.99501	59.10998	ug/L	10/19/10	01:40	
61984-3	Y	995.54846	993.30297	997.79394	0.31897		10/19/10	01:40	
61984-4	Ag	0.98570	0.78033	1.19106	29.46372	ug/L	10/19/10	01:45	
61984-4	Al	83.08822	87.52575	78.65068	7.55296	ug/L	10/19/10	01:45	
61984-4	2Al	0.08309	0.08753	0.07865	7.55295	mg/L	10/19/10	01:45	
61984-4	As	-0.57910	-0.46026	-0.69795	29.02269	ug/L	10/19/10	01:45	
61984-4	B	80.38254	81.36804	79.39704	1.73385	ug/L	10/19/10	01:45	
61984-4	Ba	48.14202	48.03433	48.24969	0.31631	ug/L	10/19/10	01:45	
61984-4	Be	0.14605	0.14108	0.15102	4.81051	ug/L	10/19/10	01:45	
61984-4	Ca	2149.53344	2147.78686	2151.28002	0.11491	ug/L	10/19/10	01:45	
61984-4	Cd	-0.37714	-0.08583	-0.66844	109.23548	ug/L	10/19/10	01:45	
61984-4	Co	1.51863	0.49409	2.54316	95.40892	ug/L	10/19/10	01:45	
61984-4	Cr	-0.11269	-0.48054	0.25516	461.63162	ug/L	10/19/10	01:45	
61984-4	Cu	0.95596	0.51455	1.39737	65.30056	ug/L	10/19/10	01:45	
61984-4	Fe	50.45065	41.65338	59.24791	24.66015	ug/L	10/19/10	01:45	
61984-4	2Fe	0.05044	0.04164	0.05924	24.66098	mg/L	10/19/10	01:45	
61984-4	K	575.82879	573.09954	578.55804	0.67029	ug/L	10/19/10	01:45	
61984-4	Mg	2734.70288	2731.37109	2738.03466	0.17229	ug/L	10/19/10	01:45	
61984-4	2Mg	2.73392	2.73059	2.73725	0.17221	mg/L	10/19/10	01:45	
61984-4	Mn	5.14387	5.10634	5.18139	1.03176	ug/L	10/19/10	01:45	
61984-4	Mo	1.49714	-0.36249	3.35678	175.66275	ug/L	10/19/10	01:45	
61984-4	Na	2264.92529	2272.64965	2257.20092	0.48230	ug/L	10/19/10	01:45	
61984-4	Ni	0.76412	1.15488	0.37337	72.31959	ug/L	10/19/10	01:45	
61984-4	Pb	-0.89128	-2.45746	0.67488	248.50651	ug/L	10/19/10	01:45	
61984-4	Se	-0.85727	1.69770	-3.41226	421.48443	ug/L	10/19/10	01:45	
61984-4	Sb	-10.82077	-10.43829	-11.20326	4.99883	ug/L	10/19/10	01:45	
61984-4	Sn	1.45584	0.18316	2.72851	123.62825	ug/L	10/19/10	01:45	
61984-4	Sr	39.04367	38.95385	39.13349	0.32532	ug/L	10/19/10	01:45	
61984-4	Ti	-0.22836	-0.44583	-0.01089	134.67318	ug/L	10/19/10	01:45	
61984-4	Tl	-2.62954	-4.49553	-0.76355	100.35608	ug/L	10/19/10	01:45	
61984-4	V	0.32681	-0.24616	0.89979	247.94624	ug/L	10/19/10	01:45	
61984-4	Zn	27.57407	27.30732	27.84082	1.36808	ug/L	10/19/10	01:45	
61984-4	2203/1	0.81236	-0.31070	1.93543	195.50978	ug/L	10/19/10	01:45	
61984-4	2203/2	-1.74183	-3.52924	0.04556	145.12065	ug/L	10/19/10	01:45	
61984-4	1960/1	8.11349	12.88384	3.34314	83.14900	ug/L	10/19/10	01:45	
61984-4	1960/2	-5.33596	-3.88697	-6.78496	38.40333	ug/L	10/19/10	01:45	
61984-4	Y	997.20446	996.20996	998.19897	0.14103		10/19/10	01:45	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62105-1	Ag	0.01548	0.25496	-0.22398	2186.51342	ug/L	10/19/10	01:50	
62105-1	Al	477.90020	478.32382	477.47662	0.12535	ug/L	10/19/10	01:50	
62105-1	2Al	0.47793	0.47835	0.47750	0.12535	mg/L	10/19/10	01:50	
62105-1	As	2.45717	3.51798	1.39636	61.05450	ug/L	10/19/10	01:50	
62105-1	B	21.81533	21.52629	22.10437	1.87376	ug/L	10/19/10	01:50	
62105-1	Ba	99.25863	99.44312	99.07415	0.26285	ug/L	10/19/10	01:50	
62105-1	Be	0.05101	0.05402	0.04799	8.35824	ug/L	10/19/10	01:50	
62105-1	Ca	11979.17382	11970.43652	11987.91210	0.10315	ug/L	10/19/10	01:50	
62105-1	Cd	0.12716	-0.02991	0.28423	174.68534	ug/L	10/19/10	01:50	
62105-1	Co	10.84875	11.39433	10.30317	7.11206	ug/L	10/19/10	01:50	
62105-1	Cr	1.84694	1.94726	1.74662	7.68154	ug/L	10/19/10	01:50	
62105-1	Cu	389.05004	388.88113	389.21899	0.06140	ug/L	10/19/10	01:50	
62105-1	Fe	10099.79882	10115.97460	10083.62304	0.22649	ug/L	10/19/10	01:50	
62105-1	2Fe	10.09852	10.11469	10.08234	0.22650	mg/L	10/19/10	01:50	
62105-1	K	5502.85156	5502.31396	5503.38867	0.01380	ug/L	10/19/10	01:50	
62105-1	Mg	2280.42993	2278.16943	2282.69042	0.14018	ug/L	10/19/10	01:50	
62105-1	2Mg	2.27934	2.27708	2.28160	0.14044	mg/L	10/19/10	01:50	
62105-1	Mn	2911.54589	2909.56079	2913.53125	0.09642	ug/L	10/19/10	01:50	
62105-1	Mo	1.01700	-0.63812	2.67213	230.15753	ug/L	10/19/10	01:50	
62105-1	Na	9798.03906	9783.68261	9812.39453	0.20720	ug/L	10/19/10	01:50	
62105-1	Ni	16.51088	16.71919	16.30258	1.78421	ug/L	10/19/10	01:50	
62105-1	Pb	8.57127	8.70366	8.43889	2.18426	ug/L	10/19/10	01:50	
62105-1	Se	8.19237	10.68191	5.70284	42.97577	ug/L	10/19/10	01:50	
62105-1	Sb	-3.02498	-2.07315	-3.97681	44.49916	ug/L	10/19/10	01:50	
62105-1	Sn	2.73574	2.87154	2.59995	7.01974	ug/L	10/19/10	01:50	
62105-1	Sr	68.54219	68.63459	68.44978	0.19066	ug/L	10/19/10	01:50	
62105-1	Ti	11.61517	11.96025	11.27008	4.20162	ug/L	10/19/10	01:50	
62105-1	Tl	-3.93334	-2.51686	-5.34982	50.92888	ug/L	10/19/10	01:50	
62105-1	V	2.49563	3.01039	1.98087	29.17005	ug/L	10/19/10	01:50	
62105-1	Zn	189.95196	189.87576	190.02815	0.05672	ug/L	10/19/10	01:50	
62105-1	2203/1	11.43506	12.41753	10.45259	12.15053	ug/L	10/19/10	01:50	
62105-1	2203/2	7.14152	6.84950	7.43354	5.78281	ug/L	10/19/10	01:50	
62105-1	1960/1	7.78156	14.08867	1.47446	114.62466	ug/L	10/19/10	01:50	
62105-1	1960/2	8.39747	8.98108	7.81385	9.82861	ug/L	10/19/10	01:50	
62105-1	Y	986.07147	983.04296	989.09997	0.43434		10/19/10	01:50	
62105-2	Ag	0.64255	1.09112	0.19399	98.72564	ug/L	10/19/10	01:55	
62105-2	Al	134.64102	137.02488	132.25714	2.50392	ug/L	10/19/10	01:55	
62105-2	2Al	0.13464	0.13703	0.13226	2.50391	mg/L	10/19/10	01:55	
62105-2	As	2.37676	2.30769	2.44582	4.10934	ug/L	10/19/10	01:55	
62105-2	B	8.81306	8.19218	9.43394	9.96317	ug/L	10/19/10	01:55	
62105-2	Ba	28.37853	28.45422	28.30284	0.37719	ug/L	10/19/10	01:55	
62105-2	Be	-0.00876	-0.00901	-0.00851	4.01227	ug/L	10/19/10	01:55	
62105-2	Ca	9437.78320	9436.31835	9439.24707	0.02194	ug/L	10/19/10	01:55	
62105-2	Cd	-0.03522	-0.31496	0.24451	1123.05139	ug/L	10/19/10	01:55	
62105-2	Co	0.68278	1.10550	0.26006	87.55561	ug/L	10/19/10	01:55	
62105-2	Cr	0.47426	-0.06079	1.00932	159.55056	ug/L	10/19/10	01:55	
62105-2	Cu	2.52715	2.27238	2.78193	14.25749	ug/L	10/19/10	01:55	
62105-2	Fe	719.51306	707.00659	732.01947	2.45815	ug/L	10/19/10	01:55	
62105-2	2Fe	0.71942	0.70691	0.73192	2.45812	mg/L	10/19/10	01:55	
62105-2	K	1852.59741	1847.53100	1857.66369	0.38674	ug/L	10/19/10	01:55	
62105-2	Mg	3288.26123	3290.09350	3286.42895	0.07880	ug/L	10/19/10	01:55	
62105-2	2Mg	3.28746	3.28929	3.28562	0.07889	mg/L	10/19/10	01:55	
62105-2	Mn	562.45385	562.59393	562.31378	0.03522	ug/L	10/19/10	01:55	
62105-2	Mo	-2.02677	-1.35511	-2.69842	46.86588	ug/L	10/19/10	01:55	
62105-2	Na	6068.00146	6037.65771	6098.34521	0.70719	ug/L	10/19/10	01:55	
62105-2	Ni	-0.13373	0.56167	-0.82913	735.38861	ug/L	10/19/10	01:55	
62105-2	Pb	-0.52289	1.23423	-2.28003	475.22894	ug/L	10/19/10	01:55	
62105-2	Se	-1.34085	2.25345	-4.93515	379.09613	ug/L	10/19/10	01:55	
62105-2	Sb	-4.23348	-2.41774	-6.04923	60.65567	ug/L	10/19/10	01:55	
62105-2	Sn	3.67315	2.49349	4.85282	45.41853	ug/L	10/19/10	01:55	
62105-2	Sr	56.54437	56.55223	56.53651	0.01966	ug/L	10/19/10	01:55	
62105-2	Ti	2.79991	2.55571	3.04410	12.33422	ug/L	10/19/10	01:55	
62105-2	Tl	-3.88093	-3.88576	-3.87610	0.17614	ug/L	10/19/10	01:55	
62105-2	V	0.96194	1.23325	0.69063	39.88684	ug/L	10/19/10	01:55	
62105-2	Zn	5.78491	5.39058	6.17923	9.63997	ug/L	10/19/10	01:55	
62105-2	2203/1	3.58806	6.60450	0.57161	118.89148	ug/L	10/19/10	01:55	
62105-2	2203/2	-2.57529	-1.44687	-3.70372	61.96710	ug/L	10/19/10	01:55	
62105-2	1960/1	4.13056	9.88414	-1.62301	196.98989	ug/L	10/19/10	01:55	
62105-2	1960/2	-4.07245	-1.55617	-6.58873	87.38122	ug/L	10/19/10	01:55	
62105-2	Y	985.09497	984.54595	985.64398	0.07881		10/19/10	01:55	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62105-3	Ag	-0.25404	-0.52413	0.01604	150.35459	ug/L	10/19/10	02:00	
62105-3	Al	373.72875	375.13510	372.32244	0.53216	ug/L	10/19/10	02:00	
62105-3	2Al	0.37375	0.37516	0.37234	0.53216	mg/L	10/19/10	02:00	
62105-3	As	2.65282	3.64515	1.66049	52.90074	ug/L	10/19/10	02:00	
62105-3	B	7.80427	8.06199	7.54655	4.67019	ug/L	10/19/10	02:00	
62105-3	Ba	33.26765	33.21302	33.32228	0.23223	ug/L	10/19/10	02:00	
62105-3	Be	0.03002	0.02538	0.03466	21.85250	ug/L	10/19/10	02:00	
62105-3	Ca	9840.62011	9833.35644	9847.88378	0.10438	ug/L	10/19/10	02:00	
62105-3	Cd	-0.16613	-0.00608	-0.32617	136.24328	ug/L	10/19/10	02:00	
62105-3	Co	1.14690	0.77368	1.52012	46.02022	ug/L	10/19/10	02:00	
62105-3	Cr	1.01707	1.01726	1.01689	0.02550	ug/L	10/19/10	02:00	
62105-3	Cu	9.30572	9.65844	8.95299	5.36042	ug/L	10/19/10	02:00	
62105-3	Fe	1099.27868	1080.07775	1118.47961	2.47018	ug/L	10/19/10	02:00	
62105-3	2Fe	1.09913	1.07994	1.11833	2.47020	mg/L	10/19/10	02:00	
62105-3	K	1895.72070	1888.45971	1902.98181	0.54167	ug/L	10/19/10	02:00	
62105-3	Mg	3390.67773	3386.62060	3394.73461	0.16921	ug/L	10/19/10	02:00	
62105-3	2Mg	3.38993	3.38588	3.39398	0.16907	mg/L	10/19/10	02:00	
62105-3	Mn	888.86218	888.18511	889.53918	0.10771	ug/L	10/19/10	02:00	
62105-3	Mo	-1.36089	-1.27101	-1.45077	9.33994	ug/L	10/19/10	02:00	
62105-3	Na	6183.10546	6144.75146	6221.45947	0.87724	ug/L	10/19/10	02:00	
62105-3	Ni	0.91190	0.83206	0.99174	12.38173	ug/L	10/19/10	02:00	
62105-3	Pb	-0.79811	2.22330	-3.81954	535.37628	ug/L	10/19/10	02:00	
62105-3	Se	1.84416	-0.91131	4.59964	211.30628	ug/L	10/19/10	02:00	
62105-3	Sb	-6.28784	-14.26031	1.68463	179.31085	ug/L	10/19/10	02:00	
62105-3	Sn	-0.43721	-2.21971	1.34529	576.57122	ug/L	10/19/10	02:00	
62105-3	Sr	58.61964	58.55416	58.68513	0.15797	ug/L	10/19/10	02:00	
62105-3	Ti	8.27083	8.28514	8.25652	0.24467	ug/L	10/19/10	02:00	
62105-3	Tl	-4.61338	-6.43355	-2.79320	55.79685	ug/L	10/19/10	02:00	
62105-3	V	1.04758	0.71319	1.38197	45.14168	ug/L	10/19/10	02:00	
62105-3	Zn	17.68037	17.78316	17.57757	0.82220	ug/L	10/19/10	02:00	
62105-3	2203/1	4.23555	4.19952	4.27159	1.20316	ug/L	10/19/10	02:00	
62105-3	2203/2	-3.31118	1.23668	-7.85905	194.24026	ug/L	10/19/10	02:00	
62105-3	1960/1	6.94596	5.44950	8.44242	30.46824	ug/L	10/19/10	02:00	
62105-3	1960/2	-0.70291	-4.08695	2.68113	680.84991	ug/L	10/19/10	02:00	
62105-3	Y	980.59045	980.42395	980.75695	0.02401		10/19/10	02:00	
62105-4	Ag	1.15722	0.97931	1.33512	21.74151	ug/L	10/19/10	02:06	
62105-4	Al	200.95065	200.16972	201.73156	0.54958	ug/L	10/19/10	02:06	
62105-4	2Al	0.20096	0.20018	0.20174	0.54958	mg/L	10/19/10	02:06	
62105-4	As	-4.07851	-3.72594	-4.43108	12.22533	ug/L	10/19/10	02:06	
62105-4	B	26.94405	27.56875	26.31935	3.27885	ug/L	10/19/10	02:06	
62105-4	Ba	64.96304	64.98001	64.94607	0.03694	ug/L	10/19/10	02:06	
62105-4	Be	0.03875	0.05167	0.02583	47.14922	ug/L	10/19/10	02:06	
62105-4	Ca	5449.09423	5456.05371	5442.13476	0.18062	ug/L	10/19/10	02:06	
62105-4	Cd	0.42796	0.23424	0.62168	64.01428	ug/L	10/19/10	02:06	
62105-4	Co	4.29893	4.90659	3.69126	19.99019	ug/L	10/19/10	02:06	
62105-4	Cr	0.78491	1.30215	0.26767	93.19259	ug/L	10/19/10	02:06	
62105-4	Cu	1577.63281	1579.86926	1575.39624	0.20048	ug/L	10/19/10	02:06	
62105-4	Fe	702.33404	687.90869	716.75939	2.90467	ug/L	10/19/10	02:06	
62105-4	2Fe	0.70224	0.68782	0.71666	2.90462	mg/L	10/19/10	02:06	
62105-4	K	1447.23266	1452.05969	1442.40563	0.47168	ug/L	10/19/10	02:06	
62105-4	Mg	843.39685	844.79895	841.99481	0.23509	ug/L	10/19/10	02:06	
62105-4	2Mg	0.84326	0.84466	0.84185	0.23552	mg/L	10/19/10	02:06	
62105-4	Mn	490.91958	491.31958	490.51959	0.11522	ug/L	10/19/10	02:06	
62105-4	Mo	-2.39961	-2.62920	-2.17002	13.53111	ug/L	10/19/10	02:06	
62105-4	Na	26017.36328	26116.99804	25917.72851	0.54158	ug/L	10/19/10	02:06	
62105-4	Ni	7.10314	5.68397	8.52231	28.25514	ug/L	10/19/10	02:06	
62105-4	Pb	17.11748	18.47603	15.75892	11.22412	ug/L	10/19/10	02:06	
62105-4	Se	2.28016	4.54760	0.01273	140.63177	ug/L	10/19/10	02:06	
62105-4	Sb	-3.29591	-2.35966	-4.23217	40.17280	ug/L	10/19/10	02:06	
62105-4	Sn	0.97017	4.98934	-3.04899	585.86993	ug/L	10/19/10	02:06	
62105-4	Sr	26.11735	26.18471	26.05000	0.36470	ug/L	10/19/10	02:06	
62105-4	Ti	8.77516	8.91956	8.63076	2.32715	ug/L	10/19/10	02:06	
62105-4	Tl	-8.13507	-10.32637	-5.94377	38.09389	ug/L	10/19/10	02:06	
62105-4	V	0.89317	1.02095	0.76539	20.23230	ug/L	10/19/10	02:06	
62105-4	Zn	913.57897	914.96203	912.19586	0.21410	ug/L	10/19/10	02:06	
62105-4	2203/1	21.21138	22.83157	19.59119	10.80219	ug/L	10/19/10	02:06	
62105-4	2203/2	15.07359	16.30153	13.84566	11.52055	ug/L	10/19/10	02:06	
62105-4	1960/1	9.36458	13.73947	4.98968	66.06845	ug/L	10/19/10	02:06	
62105-4	1960/2	-1.25672	-0.04143	-2.47201	136.75849	ug/L	10/19/10	02:06	
62105-4	Y	979.83447	978.20996	981.45898	0.23446		10/19/10	02:06	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62105-5	Ag	0.22780	0.01646	0.43914	131.19750	ug/L	10/19/10	02:11	
62105-5	Al	8365.97460	8371.60937	8360.34082	0.09524	ug/L	10/19/10	02:11	
62105-5	2Al	8.36601	8.37114	8.36089	0.08658	mg/L	10/19/10	02:11	
62105-5	As	7.79947	10.48573	5.11321	48.70768	ug/L	10/19/10	02:11	
62105-5	B	23.57263	23.07314	24.07213	2.99666	ug/L	10/19/10	02:11	
62105-5	Ba	104.15957	104.20903	104.11012	0.06715	ug/L	10/19/10	02:11	
62105-5	Be	0.21643	0.22594	0.20691	6.21804	ug/L	10/19/10	02:11	
62105-5	Ca	23197.32031	23222.61132	23172.03125	0.15417	ug/L	10/19/10	02:11	
62105-5	Cd	0.11567	0.10806	0.12329	9.31356	ug/L	10/19/10	02:11	
62105-5	Co	20.16403	20.21398	20.11409	0.35029	ug/L	10/19/10	02:11	
62105-5	Cr	10.29286	10.95803	9.62770	9.13918	ug/L	10/19/10	02:11	
62105-5	Cu	1257.73669	1258.09509	1257.37829	0.04029	ug/L	10/19/10	02:11	
62105-5	Fe	6214.41943	6212.11718	6216.72167	0.05239	ug/L	10/19/10	02:11	
62105-5	2Fe	6.21363	6.21133	6.21594	0.05239	mg/L	10/19/10	02:11	
62105-5	K	16136.35546	16145.12695	16127.58398	0.07687	ug/L	10/19/10	02:11	
62105-5	Mg	1979.82543	1984.76037	1974.89050	0.35250	ug/L	10/19/10	02:11	
62105-5	2Mg	1.97841	1.98335	1.97348	0.35270	mg/L	10/19/10	02:11	
62105-5	Mn	536.35101	536.84570	535.85632	0.13043	ug/L	10/19/10	02:11	
62105-5	Mo	1.57414	0.44211	2.70617	101.70133	ug/L	10/19/10	02:11	
62105-5	Na	6709.26708	6677.24023	6741.29394	0.67507	ug/L	10/19/10	02:11	
62105-5	Ni	17.99695	19.77175	16.22216	13.94646	ug/L	10/19/10	02:11	
62105-5	Pb	37.59688	40.51348	34.68028	10.97084	ug/L	10/19/10	02:11	
62105-5	Se	40.13344	43.03442	37.23247	10.22238	ug/L	10/19/10	02:11	
62105-5	Sb	-5.23811	-6.09607	-4.38016	23.16344	ug/L	10/19/10	02:11	
62105-5	Sn	1.95274	5.74107	-1.83559	274.35864	ug/L	10/19/10	02:11	
62105-5	Sr	88.68341	88.78896	88.57786	0.16831	ug/L	10/19/10	02:11	
62105-5	Ti	149.03923	149.11581	148.96264	0.07266	ug/L	10/19/10	02:11	
62105-5	Tl	-8.19516	-11.20753	-5.18278	51.98359	ug/L	10/19/10	02:11	
62105-5	V	15.32221	14.65971	15.98471	6.11477	ug/L	10/19/10	02:11	
62105-5	Zn	197.16897	198.12420	196.21376	0.68514	ug/L	10/19/10	02:11	
62105-5	2203/1	40.44210	44.51248	36.37172	14.23364	ug/L	10/19/10	02:11	
62105-5	2203/2	36.17639	38.51697	33.83582	9.14980	ug/L	10/19/10	02:11	
62105-5	1960/1	41.50653	54.42368	28.58938	44.01140	ug/L	10/19/10	02:11	
62105-5	1960/2	39.44792	37.34832	41.54754	7.52713	ug/L	10/19/10	02:11	
62105-5	Y	977.65649	979.03796	976.27496	0.19983		10/19/10	02:11	
CCV	Ag	499.11163	499.03848	499.18475	0.02072	ug/L	10/19/10	02:16	
CCV	Al	4982.78808	4984.14746	4981.42822	0.03858	ug/L	10/19/10	02:16	
CCV	2Al	4.98266	4.98423	4.98110	0.04437	mg/L	10/19/10	02:16	
CCV	As	500.00189	499.23141	500.77239	0.21792	ug/L	10/19/10	02:16	
CCV	B	5014.21289	5014.16552	5014.26025	0.00133	ug/L	10/19/10	02:16	
CCV	Ba	4997.56103	5000.74902	4994.37304	0.09021	ug/L	10/19/10	02:16	
CCV	Be	503.28509	503.89450	502.67568	0.17124	ug/L	10/19/10	02:16	
CCV	Ca	5009.06250	5008.01513	5010.11035	0.02957	ug/L	10/19/10	02:16	
CCV	Cd	496.86450	499.14593	494.58303	0.64936	ug/L	10/19/10	02:16	
CCV	Co	507.17883	507.62982	506.72787	0.12574	ug/L	10/19/10	02:16	
CCV	Cr	5028.53125	5037.47753	5019.58544	0.25159	ug/L	10/19/10	02:16	
CCV	Cu	4994.76464	5004.83935	4984.68994	0.28525	ug/L	10/19/10	02:16	
CCV	Fe	5023.62255	5041.67529	5005.56982	0.50820	ug/L	10/19/10	02:16	
CCV	2Fe	5.02362	5.04167	5.00557	0.50816	mg/L	10/19/10	02:16	
CCV	K	9883.03515	9849.22265	9916.84765	0.48384	ug/L	10/19/10	02:16	
CCV	Mg	5145.00195	5147.38769	5142.61572	0.06558	ug/L	10/19/10	02:16	
CCV	2Mg	5.14498	5.14736	5.14259	0.06558	mg/L	10/19/10	02:16	
CCV	Mn	5058.72265	5066.37646	5051.06933	0.21396	ug/L	10/19/10	02:16	
CCV	Mo	493.13989	489.65304	496.62677	0.99995	ug/L	10/19/10	02:16	
CCV	Na	7588.64160	7481.19970	7696.08398	2.00228	ug/L	10/19/10	02:16	
CCV	Ni	2512.87768	2512.47631	2513.27905	0.02258	ug/L	10/19/10	02:16	
CCV	Pb	507.58557	510.05154	505.11959	0.68705	ug/L	10/19/10	02:16	
CCV	Se	4985.70214	4999.33789	4972.06591	0.38679	ug/L	10/19/10	02:16	
CCV	Sb	491.15725	488.47091	493.84359	0.77349	ug/L	10/19/10	02:16	
CCV	Sn	5038.17822	5048.68554	5027.67089	0.29493	ug/L	10/19/10	02:16	
CCV	Sr	2506.53149	2508.33056	2504.73242	0.10150	ug/L	10/19/10	02:16	
CCV	Ti	498.69024	499.35546	498.02505	0.18864	ug/L	10/19/10	02:16	
CCV	Tl	4973.50927	4984.68310	4962.33544	0.31772	ug/L	10/19/10	02:16	
CCV	V	5047.38281	5053.98486	5040.78027	0.18498	ug/L	10/19/10	02:16	
CCV	Zn	2540.48291	2542.44433	2538.52148	0.10918	ug/L	10/19/10	02:16	
CCV	2203/1	515.02716	514.83764	515.21667	0.05203	ug/L	10/19/10	02:16	
CCV	2203/2	503.87036	507.66207	500.07861	1.06422	ug/L	10/19/10	02:16	
CCV	1960/1	5078.72851	5069.48779	5087.96875	0.25730	ug/L	10/19/10	02:16	
CCV	1960/2	4939.25878	4964.31591	4914.20166	0.71743	ug/L	10/19/10	02:16	
CCV	Y	983.46594	983.60998	983.32196	0.02070		10/19/10	02:16	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.45520	0.89809	0.01231	137.59457	ug/L	10/19/10	02:21	
CCB	Al	-10.54453	-14.67990	-6.40916	55.46282	ug/L	10/19/10	02:21	
CCB	2Al	-0.01054	-0.01468	-0.00640	55.46270	mg/L	10/19/10	02:21	
CCB	As	1.42788	2.27990	0.57586	84.38626	ug/L	10/19/10	02:21	
CCB	B	7.78550	8.91015	6.66085	20.42891	ug/L	10/19/10	02:21	
CCB	Ba	0.73963	0.29485	1.18442	85.04433	ug/L	10/19/10	02:21	
CCB	Be	0.04214	0.02424	0.06004	60.06517	ug/L	10/19/10	02:21	
CCB	Ca	4.08559	3.16555	5.00563	31.84693	ug/L	10/19/10	02:21	
CCB	Cd	-0.12030	-0.25505	0.01443	158.38496	ug/L	10/19/10	02:21	
CCB	Co	0.66674	0.61912	0.71436	10.10054	ug/L	10/19/10	02:21	
CCB	Cr	0.69395	0.07202	1.31588	126.74384	ug/L	10/19/10	02:21	
CCB	Cu	0.96483	0.51165	1.41801	66.42524	ug/L	10/19/10	02:21	
CCB	Fe	21.27174	16.17475	26.36874	33.88645	ug/L	10/19/10	02:21	
CCB	2Fe	0.02126	0.01617	0.02636	33.88632	mg/L	10/19/10	02:21	
CCB	K	6.06245	7.08465	5.04026	23.84522	ug/L	10/19/10	02:21	
CCB	Mg	-7.28414	-5.77172	-8.79656	29.36352	ug/L	10/19/10	02:21	
CCB	2Mg	-0.00728	-0.00577	-0.00879	29.36244	mg/L	10/19/10	02:21	
CCB	Mn	0.63351	0.11867	1.14835	114.93002	ug/L	10/19/10	02:21	
CCB	Mo	-1.38237	-1.33778	-1.42697	4.56176	ug/L	10/19/10	02:21	
CCB	Na	107.25831	24.00196	190.51466	109.77448	ug/L	10/19/10	02:21	
CCB	Ni	-0.55545	-0.68145	-0.42944	32.08198	ug/L	10/19/10	02:21	
CCB	Pb	-0.68866	-1.53914	0.16181	174.65115	ug/L	10/19/10	02:21	
CCB	Se	-0.95910	2.15356	-4.07177	458.96871	ug/L	10/19/10	02:21	
CCB	Sb	-6.65542	-5.65646	-7.65437	21.22679	ug/L	10/19/10	02:21	
CCB	Sn	2.86510	3.30835	2.42185	21.87874	ug/L	10/19/10	02:21	
CCB	Sr	0.24849	0.01783	0.47915	131.27136	ug/L	10/19/10	02:21	
CCB	Ti	-0.04101	-0.20717	0.12515	572.96771	ug/L	10/19/10	02:21	
CCB	Tl	-3.09930	-1.70054	-4.49806	63.82525	ug/L	10/19/10	02:21	
CCB	V	0.37645	0.07361	0.67929	113.76722	ug/L	10/19/10	02:21	
CCB	Zn	0.54656	0.93803	0.15509	101.29116	ug/L	10/19/10	02:21	
CCB	2203/1	0.15247	0.82080	-0.51585	619.88201	ug/L	10/19/10	02:21	
CCB	2203/2	-1.10860	-2.71735	0.50014	205.22326	ug/L	10/19/10	02:21	
CCB	1960/1	6.32964	8.16283	4.49644	40.95855	ug/L	10/19/10	02:21	
CCB	1960/2	-4.59801	-0.84656	-8.34945	115.38350	ug/L	10/19/10	02:21	
CCB	Y	996.40344	996.56994	996.23693	0.02363		10/19/10	02:21	
62103-1	Ag	1.23748	1.60015	0.87481	41.44607	ug/L	10/19/10	02:27	
62103-1	Al	1744.44873	1757.55859	1731.33874	1.06281	ug/L	10/19/10	02:27	
62103-1	2Al	1.74446	1.75767	1.73124	1.07130	mg/L	10/19/10	02:27	
62103-1	As	4.96312	7.37457	2.55167	68.71292	ug/L	10/19/10	02:27	
62103-1	B	452.95617	453.68310	452.22924	0.22696	ug/L	10/19/10	02:27	
62103-1	Ba	86.19345	86.29916	86.08774	0.17344	ug/L	10/19/10	02:27	
62103-1	Be	0.08040	0.08595	0.07485	9.75713	ug/L	10/19/10	02:27	
62103-1	Ca	111343.42187	111320.79687	111366.04687	0.02873	ug/L	10/19/10	02:27	
62103-1	Cd	0.40977	0.07102	0.74852	116.90962	ug/L	10/19/10	02:27	
62103-1	Co	3.11151	3.42874	2.79427	14.41879	ug/L	10/19/10	02:27	
62103-1	Cr	3.24794	3.31186	3.18402	2.78318	ug/L	10/19/10	02:27	
62103-1	Cu	13.73341	13.91097	13.55585	1.82841	ug/L	10/19/10	02:27	
62103-1	Fe	2263.46533	2273.47485	2253.45556	0.62540	ug/L	10/19/10	02:27	
62103-1	2Fe	2.26317	2.27318	2.25317	0.62542	mg/L	10/19/10	02:27	
62103-1	K	17683.93750	17685.67187	17682.20507	0.01386	ug/L	10/19/10	02:27	
62103-1	Mg	29571.96093	29559.05859	29584.86132	0.06169	ug/L	10/19/10	02:27	
62103-1	2Mg	29.56325	29.55035	29.57615	0.06171	mg/L	10/19/10	02:27	
62103-1	Mn	79.01959	79.12121	78.91796	0.18188	ug/L	10/19/10	02:27	
62103-1	Mo	28.66747	29.57171	27.76324	4.46073	ug/L	10/19/10	02:27	
62103-1	Na	64604.60937	64599.75000	64609.46875	0.01063	ug/L	10/19/10	02:27	
62103-1	Ni	21.23047	20.77895	21.68198	3.00767	ug/L	10/19/10	02:27	
62103-1	Pb	11.96113	12.42770	11.49456	5.51644	ug/L	10/19/10	02:27	
62103-1	Se	-1.46423	3.80483	-6.73331	508.90505	ug/L	10/19/10	02:27	
62103-1	Sb	4.65762	8.92815	0.38709	129.66780	ug/L	10/19/10	02:27	
62103-1	Sn	0.32440	1.75544	-1.10663	623.84167	ug/L	10/19/10	02:27	
62103-1	Sr	611.95593	612.83007	611.08184	0.20200	ug/L	10/19/10	02:27	
62103-1	Ti	32.33642	36.62546	28.04739	18.75781	ug/L	10/19/10	02:27	
62103-1	Tl	-4.25373	2.91968	-11.42716	238.49026	ug/L	10/19/10	02:27	
62103-1	V	3.55874	3.64732	3.47016	3.52024	ug/L	10/19/10	02:27	
62103-1	Zn	113.06701	113.18085	112.95318	0.14238	ug/L	10/19/10	02:27	
62103-1	2203/1	15.80066	18.21756	13.38376	21.63205	ug/L	10/19/10	02:27	
62103-1	2203/2	10.04424	9.53710	10.55137	7.14033	ug/L	10/19/10	02:27	
62103-1	1960/1	-0.50997	5.15336	-6.17331	1570.49157	ug/L	10/19/10	02:27	
62103-1	1960/2	-1.94065	3.13157	-7.01288	369.62884	ug/L	10/19/10	02:27	
62103-1	Y	966.01947	967.92297	964.11596	0.27866		10/19/10	02:27	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62103-1S	Ag	44.47131	44.49567	44.44695	0.07746	ug/L	10/19/10	02:32	
62103-1S	Al	3736.26757	3743.73999	3728.79516	0.28283	ug/L	10/19/10	02:32	
62103-1S	2Al	3.73640	3.74398	3.72882	0.28682	mg/L	10/19/10	02:32	
62103-1S	As	2037.96606	2028.61059	2047.32141	0.64920	ug/L	10/19/10	02:32	
62103-1S	B	1407.28393	1403.72302	1410.84484	0.35784	ug/L	10/19/10	02:32	
62103-1S	Ba	2076.54321	2074.37768	2078.70874	0.14748	ug/L	10/19/10	02:32	
62103-1S	Be	50.54906	50.52589	50.57222	0.06480	ug/L	10/19/10	02:32	
62103-1S	Ca	108897.21875	108849.39062	108945.03906	0.06210	ug/L	10/19/10	02:32	
62103-1S	Cd	49.39038	49.36397	49.41680	0.07564	ug/L	10/19/10	02:32	
62103-1S	Co	504.32586	504.21563	504.43606	0.03090	ug/L	10/19/10	02:32	
62103-1S	Cr	204.61460	205.16452	204.06469	0.38007	ug/L	10/19/10	02:32	
62103-1S	Cu	263.12890	262.43130	263.82650	0.37493	ug/L	10/19/10	02:32	
62103-1S	Fe	3009.79931	3009.93481	3009.66406	0.00636	ug/L	10/19/10	02:32	
62103-1S	2Fe	3.00963	3.00976	3.00949	0.00635	mg/L	10/19/10	02:32	
62103-1S	K	21430.07421	21439.31250	21420.83789	0.06095	ug/L	10/19/10	02:32	
62103-1S	Mg	32612.68750	32599.72460	32625.64843	0.05620	ug/L	10/19/10	02:32	
62103-1S	2Mg	32.60321	32.59025	32.61617	0.05620	mg/L	10/19/10	02:32	
62103-1S	Mn	582.93395	582.90997	582.95800	0.00582	ug/L	10/19/10	02:32	
62103-1S	Mo	516.94702	513.78497	520.10906	0.86504	ug/L	10/19/10	02:32	
62103-1S	Na	66002.32812	66086.10156	65918.56250	0.17949	ug/L	10/19/10	02:32	
62103-1S	Ni	510.10797	511.60437	508.61157	0.41485	ug/L	10/19/10	02:32	
62103-1S	Pb	505.22668	508.41979	502.03356	0.89380	ug/L	10/19/10	02:32	
62103-1S	Se	1993.81738	2000.74230	1986.89257	0.49118	ug/L	10/19/10	02:32	
62103-1S	Sb	495.78253	497.61239	493.95266	0.52196	ug/L	10/19/10	02:32	
62103-1S	Sn	998.85906	996.97235	1000.74578	0.26712	ug/L	10/19/10	02:32	
62103-1S	Sr	1053.18298	1050.92944	1055.43652	0.30260	ug/L	10/19/10	02:32	
62103-1S	Ti	989.51098	988.84594	990.17608	0.09505	ug/L	10/19/10	02:32	
62103-1S	Tl	2024.49658	2015.65563	2033.33740	0.61758	ug/L	10/19/10	02:32	
62103-1S	V	509.62628	509.58099	509.67153	0.01256	ug/L	10/19/10	02:32	
62103-1S	Zn	609.97595	609.84326	610.10870	0.03077	ug/L	10/19/10	02:32	
62103-1S	2203/1	508.34240	508.12255	508.56225	0.06116	ug/L	10/19/10	02:32	
62103-1S	2203/2	503.67114	508.56817	498.77413	1.37499	ug/L	10/19/10	02:32	
62103-1S	1960/1	2033.24023	2031.58166	2034.89892	0.11536	ug/L	10/19/10	02:32	
62103-1S	1960/2	1974.13452	1985.34460	1962.92431	0.80306	ug/L	10/19/10	02:32	
62103-1S	Y	954.67047	955.46697	953.87396	0.11799		10/19/10	02:32	
62103-1SD	Ag	46.72761	46.84112	46.61411	0.34352	ug/L	10/19/10	02:37	
62103-1SD	Al	4094.61962	4097.71679	4091.52221	0.10697	ug/L	10/19/10	02:37	
62103-1SD	2Al	4.09457	4.09777	4.09137	0.11059	mg/L	10/19/10	02:37	
62103-1SD	As	2167.49462	2163.94897	2171.04003	0.23133	ug/L	10/19/10	02:37	
62103-1SD	B	1499.49682	1502.61743	1496.37622	0.29431	ug/L	10/19/10	02:37	
62103-1SD	Ba	2190.49951	2191.51391	2189.48535	0.06548	ug/L	10/19/10	02:37	
62103-1SD	Be	53.58011	53.60007	53.56015	0.05267	ug/L	10/19/10	02:37	
62103-1SD	Ca	115811.76562	115811.67968	115811.85156	0.00010	ug/L	10/19/10	02:37	
62103-1SD	Cd	52.05897	52.40652	51.71141	0.94414	ug/L	10/19/10	02:37	
62103-1SD	Co	535.35473	535.03509	535.67443	0.08444	ug/L	10/19/10	02:37	
62103-1SD	Cr	216.13702	216.49967	215.77438	0.23728	ug/L	10/19/10	02:37	
62103-1SD	Cu	277.91674	278.16064	277.67282	0.12411	ug/L	10/19/10	02:37	
62103-1SD	Fe	3259.06640	3268.52807	3249.60473	0.41057	ug/L	10/19/10	02:37	
62103-1SD	2Fe	3.25887	3.26833	3.24941	0.41054	mg/L	10/19/10	02:37	
62103-1SD	K	22672.82031	22675.46875	22670.17187	0.01651	ug/L	10/19/10	02:37	
62103-1SD	Mg	34776.95312	34777.34765	34776.55468	0.00161	ug/L	10/19/10	02:37	
62103-1SD	2Mg	34.76527	34.76723	34.76330	0.00799	mg/L	10/19/10	02:37	
62103-1SD	Mn	617.63793	617.85748	617.41833	0.05027	ug/L	10/19/10	02:37	
62103-1SD	Mo	551.68841	552.58685	550.78997	0.23030	ug/L	10/19/10	02:37	
62103-1SD	Na	69556.45312	69567.48437	69545.42187	0.02242	ug/L	10/19/10	02:37	
62103-1SD	Ni	540.67858	539.93981	541.41729	0.19322	ug/L	10/19/10	02:37	
62103-1SD	Pb	538.22033	540.85791	535.58270	0.69304	ug/L	10/19/10	02:37	
62103-1SD	Se	2118.89843	2113.96166	2123.83544	0.32950	ug/L	10/19/10	02:37	
62103-1SD	Sb	523.83251	518.44110	529.22399	1.45555	ug/L	10/19/10	02:37	
62103-1SD	Sn	1060.45507	1059.77893	1061.13134	0.09017	ug/L	10/19/10	02:37	
62103-1SD	Sr	1111.07189	1111.98718	1110.15661	0.11650	ug/L	10/19/10	02:37	
62103-1SD	Ti	1062.84326	1066.39318	1059.29321	0.47235	ug/L	10/19/10	02:37	
62103-1SD	Tl	2158.53857	2159.93896	2157.13793	0.09175	ug/L	10/19/10	02:37	
62103-1SD	V	539.37182	539.74426	538.99938	0.09765	ug/L	10/19/10	02:37	
62103-1SD	Zn	648.90148	649.47357	648.32940	0.12467	ug/L	10/19/10	02:37	
62103-1SD	2203/1	547.00646	549.08074	544.93212	0.53628	ug/L	10/19/10	02:37	
62103-1SD	2203/2	533.83386	536.75268	530.91503	0.77324	ug/L	10/19/10	02:37	
62103-1SD	1960/1	2159.55859	2155.46411	2163.65307	0.26813	ug/L	10/19/10	02:37	
62103-1SD	1960/2	2098.59790	2093.24047	2103.95532	0.36102	ug/L	10/19/10	02:37	
62103-1SD	Y	962.06848	961.62298	962.51397	0.06548		10/19/10	02:37	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62048-1	Ag	1.92275	2.39679	1.44872	34.86585	ug/L	10/19/10	02:42	
62048-1	Al	2021.25854	2028.14721	2014.36999	0.48197	ug/L	10/19/10	02:42	
62048-1	2Al	2.02138	2.02827	2.01450	0.48197	mg/L	10/19/10	02:42	
62048-1	As	43.44613	43.21883	43.67343	0.73988	ug/L	10/19/10	02:42	
62048-1	B	989.39733	988.43786	990.35687	0.13714	ug/L	10/19/10	02:42	
62048-1	Ba	348.70877	348.97457	348.44296	0.10780	ug/L	10/19/10	02:42	
62048-1	Be	0.63407	0.62854	0.63960	1.23369	ug/L	10/19/10	02:42	
62048-1	Ca	14735.44726	14739.11425	14731.78125	0.03518	ug/L	10/19/10	02:42	
62048-1	Cd	1.90302	1.78095	2.02510	9.07174	ug/L	10/19/10	02:42	
62048-1	Co	4.76075	4.05248	5.46902	21.03961	ug/L	10/19/10	02:42	
62048-1	Cr	7.27753	7.87713	6.67792	11.65185	ug/L	10/19/10	02:42	
62048-1	Cu	67.20248	67.69087	66.71409	1.02776	ug/L	10/19/10	02:42	
62048-1	Fe	2152.76708	2160.17358	2145.36035	0.48656	ug/L	10/19/10	02:42	
62048-1	2Fe	2.15252	2.15993	2.14512	0.48653	mg/L	10/19/10	02:42	
62048-1	K	408168.87500	408497.46875	407840.25000	0.11385	ug/L	10/19/10	02:42	
62048-1	Mg	8949.47070	8959.56054	8939.38183	0.15943	ug/L	10/19/10	02:42	
62048-1	2Mg	8.94759	8.95767	8.93750	0.15941	mg/L	10/19/10	02:42	
62048-1	Mn	2240.16259	2241.07299	2239.25219	0.05747	ug/L	10/19/10	02:42	
62048-1	Mo	36.62772	35.93584	37.31960	2.67139	ug/L	10/19/10	02:42	
62048-1	Na	8067716.00000	8080130.50000	8055301.50000	0.21761	ug/L	10/19/10	02:42	
62048-1	Ni	18.66553	19.95191	17.37915	9.74636	ug/L	10/19/10	02:42	
62048-1	Pb	7.34677	4.19577	10.49778	60.65505	ug/L	10/19/10	02:42	
62048-1	Se	-11.26671	-9.60696	-12.92645	20.83331	ug/L	10/19/10	02:42	
62048-1	Sb	5.85904	8.21458	3.50351	56.85617	ug/L	10/19/10	02:42	
62048-1	Sn	53.31591	53.40944	53.22237	0.24809	ug/L	10/19/10	02:42	
62048-1	Sr	102.71105	102.74328	102.67882	0.04437	ug/L	10/19/10	02:42	
62048-1	Ti	3.87668	3.94154	3.81181	2.36617	ug/L	10/19/10	02:42	
62048-1	Tl	-2.88570	1.54961	-7.32102	217.36447	ug/L	10/19/10	02:42	
62048-1	V	335.52575	336.06829	334.98318	0.22868	ug/L	10/19/10	02:42	
62048-1	Zn	299.69259	299.84371	299.54147	0.07131	ug/L	10/19/10	02:42	
62048-1	2203/1	11.79752	11.45086	12.14417	4.15548	ug/L	10/19/10	02:42	
62048-1	2203/2	5.12474	0.57366	9.67582	125.59056	ug/L	10/19/10	02:42	
62048-1	1960/1	54.28555	58.99424	49.57686	12.26678	ug/L	10/19/10	02:42	
62048-1	1960/2	-43.99370	-43.85614	-44.13125	0.44217	ug/L	10/19/10	02:42	
62048-1	Y	808.84802	808.44299	809.25299	0.07081		10/19/10	02:42	
62048-1 1/10	Ag	1.07213	1.75641	0.38785	90.26110	ug/L	10/19/10	02:49	
62048-1 1/10	Al	215.37486	227.88395	202.86576	8.21383	ug/L	10/19/10	02:49	
62048-1 1/10	2Al	0.21538	0.22789	0.20287	8.21382	mg/L	10/19/10	02:49	
62048-1 1/10	As	3.51279	4.44937	2.57621	37.70580	ug/L	10/19/10	02:49	
62048-1 1/10	B	97.89459	104.71752	91.07167	9.85659	ug/L	10/19/10	02:49	
62048-1 1/10	Ba	34.50688	36.22469	32.78907	7.04018	ug/L	10/19/10	02:49	
62048-1 1/10	Be	0.05999	0.05759	0.06239	5.65581	ug/L	10/19/10	02:49	
62048-1 1/10	Ca	1536.04516	1609.06518	1463.02514	6.72284	ug/L	10/19/10	02:49	
62048-1 1/10	Cd	0.14276	0.37354	-0.08801	228.61131	ug/L	10/19/10	02:49	
62048-1 1/10	Co	0.17568	0.13458	0.21679	33.08632	ug/L	10/19/10	02:49	
62048-1 1/10	Cr	0.65250	0.96808	0.33692	68.39695	ug/L	10/19/10	02:49	
62048-1 1/10	Cu	7.18133	8.21966	6.14299	20.44778	ug/L	10/19/10	02:49	
62048-1 1/10	Fe	228.10873	238.61791	217.59953	6.51542	ug/L	10/19/10	02:49	
62048-1 1/10	2Fe	0.22808	0.23859	0.21757	6.51547	mg/L	10/19/10	02:49	
62048-1 1/10	K	59633.80078	62595.75390	56671.84765	7.02426	ug/L	10/19/10	02:49	
62048-1 1/10	Mg	979.58728	1026.80285	932.37176	6.81642	ug/L	10/19/10	02:49	
62048-1 1/10	2Mg	0.97937	1.02657	0.93216	6.81644	mg/L	10/19/10	02:49	
62048-1 1/10	Mn	222.77464	233.60075	211.94853	6.87261	ug/L	10/19/10	02:49	
62048-1 1/10	Mo	5.78189	9.00218	2.56160	78.76623	ug/L	10/19/10	02:49	
62048-1 1/10	Na	1160759.87500	1210432.37500	1111087.37500	6.05185	ug/L	10/19/10	02:49	
62048-1 1/10	Ni	3.23873	3.60691	2.87055	16.07675	ug/L	10/19/10	02:49	
62048-1 1/10	Pb	-0.77252	-0.29848	-1.24655	86.77899	ug/L	10/19/10	02:49	
62048-1 1/10	Se	3.09959	1.08078	5.11840	92.10988	ug/L	10/19/10	02:49	
62048-1 1/10	Sb	-2.21869	-0.35495	-4.08244	118.79645	ug/L	10/19/10	02:49	
62048-1 1/10	Sn	9.20866	8.09677	10.32056	17.07586	ug/L	10/19/10	02:49	
62048-1 1/10	Sr	10.30900	10.79752	9.82048	6.70162	ug/L	10/19/10	02:49	
62048-1 1/10	Ti	-0.09214	-0.08459	-0.09969	11.59434	ug/L	10/19/10	02:49	
62048-1 1/10	Tl	-1.71420	-2.72590	-0.70250	83.46478	ug/L	10/19/10	02:49	
62048-1 1/10	V	33.18048	35.61250	30.74845	10.36574	ug/L	10/19/10	02:49	
62048-1 1/10	Zn	31.00295	32.75971	29.24619	8.01354	ug/L	10/19/10	02:49	
62048-1 1/10	2203/1	3.13035	7.59526	-1.33454	201.71269	ug/L	10/19/10	02:49	
62048-1 1/10	2203/2	-2.72103	-4.23944	-1.20262	78.91695	ug/L	10/19/10	02:49	
62048-1 1/10	1960/1	14.91625	15.78665	14.04584	8.25232	ug/L	10/19/10	02:49	
62048-1 1/10	1960/2	-2.79987	-6.26113	0.66137	174.82739	ug/L	10/19/10	02:49	
62048-1 1/10	Y	926.73449	891.54895	961.91998	5.36937		10/19/10	02:49	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	502.10247	502.05917	502.14578	0.01219	ug/L	10/19/10	02:55	
CCV	Al	5021.73535	5023.69433	5019.77587	0.05517	ug/L	10/19/10	02:55	
CCV	2Al	5.02192	5.02398	5.01985	0.05807	mg/L	10/19/10	02:55	
CCV	As	506.10095	506.36041	505.84149	0.07250	ug/L	10/19/10	02:55	
CCV	B	5044.56445	5039.27001	5049.85839	0.14841	ug/L	10/19/10	02:55	
CCV	Ba	5012.63769	5024.12060	5001.15478	0.32396	ug/L	10/19/10	02:55	
CCV	Be	507.93005	509.38317	506.47689	0.40459	ug/L	10/19/10	02:55	
CCV	Ca	5050.77343	5056.94238	5044.60400	0.17273	ug/L	10/19/10	02:55	
CCV	Cd	502.51614	503.19891	501.83337	0.19214	ug/L	10/19/10	02:55	
CCV	Co	511.04595	512.06085	510.03106	0.28085	ug/L	10/19/10	02:55	
CCV	Cr	5067.39306	5076.33691	5058.44921	0.24960	ug/L	10/19/10	02:55	
CCV	Cu	5024.96972	5034.98681	5014.95214	0.28192	ug/L	10/19/10	02:55	
CCV	Fe	5071.77246	5081.35058	5062.19384	0.26708	ug/L	10/19/10	02:55	
CCV	2Fe	5.07177	5.08135	5.06219	0.26707	mg/L	10/19/10	02:55	
CCV	K	9976.56835	9987.18554	9965.95019	0.15050	ug/L	10/19/10	02:55	
CCV	Mg	5197.23535	5205.86621	5188.60449	0.23485	ug/L	10/19/10	02:55	
CCV	2Mg	5.19720	5.20583	5.18857	0.23483	mg/L	10/19/10	02:55	
CCV	Mn	5093.54199	5101.17431	5085.90917	0.21191	ug/L	10/19/10	02:55	
CCV	Mo	495.45895	496.74429	494.17361	0.36688	ug/L	10/19/10	02:55	
CCV	Na	7837.40625	7662.66503	8012.14794	3.15310	ug/L	10/19/10	02:55	
CCV	Ni	2536.44702	2541.13647	2531.75756	0.26146	ug/L	10/19/10	02:55	
CCV	Pb	513.38439	513.31207	513.45678	0.01993	ug/L	10/19/10	02:55	
CCV	Se	5044.26269	5040.94824	5047.57714	0.09292	ug/L	10/19/10	02:55	
CCV	Sb	493.34088	491.60119	495.08053	0.49869	ug/L	10/19/10	02:55	
CCV	Sn	5083.56640	5083.83837	5083.29394	0.00757	ug/L	10/19/10	02:55	
CCV	Sr	2516.68994	2516.50903	2516.87109	0.01017	ug/L	10/19/10	02:55	
CCV	Ti	500.99920	501.88168	500.11672	0.24910	ug/L	10/19/10	02:55	
CCV	Tl	5008.84179	5009.47802	5008.20605	0.01795	ug/L	10/19/10	02:55	
CCV	V	5082.62207	5089.76318	5075.48144	0.19869	ug/L	10/19/10	02:55	
CCV	Zn	2567.50195	2569.82104	2565.18310	0.12773	ug/L	10/19/10	02:55	
CCV	2203/1	517.26269	520.58544	513.93988	0.90846	ug/L	10/19/10	02:55	
CCV	2203/2	511.44824	509.68084	513.21563	0.48870	ug/L	10/19/10	02:55	
CCV	1960/1	5127.79150	5132.25390	5123.32910	0.12307	ug/L	10/19/10	02:55	
CCV	1960/2	5002.56152	4995.36425	5009.75830	0.20345	ug/L	10/19/10	02:55	
CCV	Y	971.81091	973.12493	970.49694	0.19121		10/19/10	02:55	
CCB	Ag	0.50776	0.44716	0.56837	16.87903	ug/L	10/19/10	03:02	
CCB	Al	-14.27937	-11.41699	-17.14174	28.34864	ug/L	10/19/10	03:02	
CCB	2Al	-0.01428	-0.01141	-0.01714	28.34870	mg/L	10/19/10	03:02	
CCB	As	-2.12647	-5.53253	1.27959	226.52087	ug/L	10/19/10	03:02	
CCB	B	5.64572	7.63030	3.66114	49.71225	ug/L	10/19/10	03:02	
CCB	Ba	0.70402	0.22222	1.18581	96.78163	ug/L	10/19/10	03:02	
CCB	Be	0.02702	-0.01042	0.06447	195.96618	ug/L	10/19/10	03:02	
CCB	Ca	4.02558	3.11485	4.93632	31.99463	ug/L	10/19/10	03:02	
CCB	Cd	0.22511	0.01221	0.43801	133.74797	ug/L	10/19/10	03:02	
CCB	Co	0.27669	0.83638	-0.28299	286.06567	ug/L	10/19/10	03:02	
CCB	Cr	0.01851	-0.71817	0.75520	5627.18554	ug/L	10/19/10	03:02	
CCB	Cu	-0.34569	-0.51893	-0.17246	70.86871	ug/L	10/19/10	03:02	
CCB	Fe	14.57541	16.50984	12.64097	18.76933	ug/L	10/19/10	03:02	
CCB	2Fe	0.01457	0.01650	0.01263	18.77076	mg/L	10/19/10	03:02	
CCB	K	5.10752	6.32876	3.88628	33.81462	ug/L	10/19/10	03:02	
CCB	Mg	-8.90344	-12.04085	-5.76603	49.83430	ug/L	10/19/10	03:02	
CCB	2Mg	-0.00890	-0.01204	-0.00576	49.83021	mg/L	10/19/10	03:02	
CCB	Mn	0.44703	-0.06181	0.95589	160.97717	ug/L	10/19/10	03:02	
CCB	Mo	-0.23988	-1.10996	0.63018	512.93829	ug/L	10/19/10	03:02	
CCB	Na	157.68449	83.30216	232.06683	66.71074	ug/L	10/19/10	03:02	
CCB	Ni	0.22148	0.33076	0.11219	69.77905	ug/L	10/19/10	03:02	
CCB	Pb	-2.42427	-4.17401	-0.67454	102.07164	ug/L	10/19/10	03:02	
CCB	Se	4.99498	1.11822	8.87174	109.76140	ug/L	10/19/10	03:02	
CCB	Sb	-7.44082	-6.45811	-8.42353	18.67747	ug/L	10/19/10	03:02	
CCB	Sn	1.98658	0.29700	3.67615	120.27793	ug/L	10/19/10	03:02	
CCB	Sr	0.18370	-0.06632	0.43372	192.48017	ug/L	10/19/10	03:02	
CCB	Ti	-0.28244	-0.50699	-0.05789	112.43299	ug/L	10/19/10	03:02	
CCB	Tl	-3.19316	-0.66698	-5.71934	111.88139	ug/L	10/19/10	03:02	
CCB	V	0.89019	0.76271	1.01766	20.25163	ug/L	10/19/10	03:02	
CCB	Zn	0.57735	0.30665	0.84805	66.30708	ug/L	10/19/10	03:02	
CCB	2203/1	1.56262	-1.06526	4.19051	237.83065	ug/L	10/19/10	03:02	
CCB	2203/2	-4.41474	-5.72606	-3.10342	42.00662	ug/L	10/19/10	03:02	
CCB	1960/1	9.70458	6.55121	12.85794	45.95288	ug/L	10/19/10	03:02	
CCB	1960/2	2.64372	-1.59419	6.88163	226.70008	ug/L	10/19/10	03:02	
CCB	Y	965.10144	964.60192	965.60095	0.07319		10/19/10	03:02	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 183180	Ag	0.72301	1.42538	0.02063	137.38455	ug/L	10/19/10	03:07	
PBW 183180	Al	-4.02113	3.71334	-11.75561	272.01794	ug/L	10/19/10	03:07	
PBW 183180	2Al	-0.00402	0.00371	-0.01175	272.01791	mg/L	10/19/10	03:07	
PBW 183180	As	3.95905	5.96429	1.95381	71.62906	ug/L	10/19/10	03:07	
PBW 183180	B	5.17346	5.07977	5.26715	2.56100	ug/L	10/19/10	03:07	
PBW 183180	Ba	0.39872	0.36025	0.43719	13.64540	ug/L	10/19/10	03:07	
PBW 183180	Be	-0.03906	-0.03872	-0.03941	1.24064	ug/L	10/19/10	03:07	
PBW 183180	Ca	96.78776	97.33210	96.24341	0.79537	ug/L	10/19/10	03:07	
PBW 183180	Cd	0.18907	-0.10502	0.48317	219.97639	ug/L	10/19/10	03:07	
PBW 183180	Co	0.34706	0.91079	-0.21666	229.70729	ug/L	10/19/10	03:07	
PBW 183180	Cr	0.04353	0.18618	-0.09911	463.35620	ug/L	10/19/10	03:07	
PBW 183180	Cu	-0.21576	-0.24278	-0.18875	17.70620	ug/L	10/19/10	03:07	
PBW 183180	Fe	11.93447	8.59508	15.27387	39.57121	ug/L	10/19/10	03:07	
PBW 183180	2Fe	0.01193	0.00859	0.01527	39.56888	mg/L	10/19/10	03:07	
PBW 183180	K	40.39580	45.54686	35.24474	18.03330	ug/L	10/19/10	03:07	
PBW 183180	Mg	6.78382	9.91551	3.65214	65.28561	ug/L	10/19/10	03:07	
PBW 183180	2Mg	0.00677	0.00991	0.00364	65.31725	mg/L	10/19/10	03:07	
PBW 183180	Mn	0.13795	0.11553	0.16037	22.98246	ug/L	10/19/10	03:07	
PBW 183180	Mo	1.59513	2.09907	1.09119	44.67809	ug/L	10/19/10	03:07	
PBW 183180	Na	132568.87500	132769.62500	132368.14062	0.21414	ug/L	10/19/10	03:07	
PBW 183180	Ni	-0.16359	0.10976	-0.43695	236.31221	ug/L	10/19/10	03:07	
PBW 183180	Pb	0.24718	-0.78256	1.27692	589.15356	ug/L	10/19/10	03:07	
PBW 183180	Se	-1.14528	3.74190	-6.03246	603.47753	ug/L	10/19/10	03:07	
PBW 183180	Sb	-7.59906	-8.97469	-6.22343	25.60094	ug/L	10/19/10	03:07	
PBW 183180	Sn	-1.40291	-0.19224	-2.61358	122.04180	ug/L	10/19/10	03:07	
PBW 183180	Sr	0.22905	0.18436	0.27373	27.59081	ug/L	10/19/10	03:07	
PBW 183180	Ti	-0.38812	-0.55982	-0.21643	62.56068	ug/L	10/19/10	03:07	
PBW 183180	Tl	-2.63594	-1.32762	-3.94426	70.19269	ug/L	10/19/10	03:07	
PBW 183180	V	-0.28386	-0.34437	-0.22336	30.14317	ug/L	10/19/10	03:07	
PBW 183180	Zn	3.52451	3.82713	3.22189	12.14267	ug/L	10/19/10	03:07	
PBW 183180	2203/1	0.09602	1.73464	-1.54259	2413.23022	ug/L	10/19/10	03:07	
PBW 183180	2203/2	0.32264	-2.03928	2.68457	1035.27465	ug/L	10/19/10	03:07	
PBW 183180	1960/1	6.19721	11.08382	1.31060	111.51311	ug/L	10/19/10	03:07	
PBW 183180	1960/2	-4.81102	0.07644	-9.69850	143.66851	ug/L	10/19/10	03:07	
PBW 183180	Y	962.89196	963.43194	962.35192	0.07931		10/19/10	03:07	
PBW II	Ag	0.61845	0.73892	0.49797	27.54963	ug/L	10/19/10	03:12	
PBW II	Al	-11.86679	-16.27018	-7.46340	52.47694	ug/L	10/19/10	03:12	
PBW II	2Al	-0.01186	-0.01627	-0.00746	52.47699	mg/L	10/19/10	03:12	
PBW II	As	2.24693	4.49758	-0.00371	141.65512	ug/L	10/19/10	03:12	
PBW II	B	13.04943	12.91052	13.18834	1.50545	ug/L	10/19/10	03:12	
PBW II	Ba	0.31977	0.49345	0.14609	76.81098	ug/L	10/19/10	03:12	
PBW II	Be	-0.03077	-0.04911	-0.01242	84.31718	ug/L	10/19/10	03:12	
PBW II	Ca	77.78147	77.80272	77.76022	0.03863	ug/L	10/19/10	03:12	
PBW II	Cd	-0.15868	-0.26107	-0.05630	91.24526	ug/L	10/19/10	03:12	
PBW II	Co	-0.34886	-1.38822	0.69048	421.32492	ug/L	10/19/10	03:12	
PBW II	Cr	0.29357	-0.29250	0.87964	282.32894	ug/L	10/19/10	03:12	
PBW II	Cu	-0.14821	-0.19086	-0.10556	40.69651	ug/L	10/19/10	03:12	
PBW II	Fe	-12.09003	3.56627	-27.74633	183.13735	ug/L	10/19/10	03:12	
PBW II	2Fe	-0.01208	0.00356	-0.02774	183.13372	mg/L	10/19/10	03:12	
PBW II	K	15.23697	27.18504	3.28890	110.89551	ug/L	10/19/10	03:12	
PBW II	Mg	15.85890	15.86515	15.85265	0.05572	ug/L	10/19/10	03:12	
PBW II	2Mg	0.01585	0.01586	0.01585	0.03121	mg/L	10/19/10	03:12	
PBW II	Mn	0.19789	0.21263	0.18314	10.53520	ug/L	10/19/10	03:12	
PBW II	Mo	-1.63548	-0.46115	-2.80981	101.54524	ug/L	10/19/10	03:12	
PBW II	Na	25889.50976	25859.63671	25919.38281	0.16318	ug/L	10/19/10	03:12	
PBW II	Ni	-0.97398	0.06072	-2.00869	150.23796	ug/L	10/19/10	03:12	
PBW II	Pb	-0.65040	1.22739	-2.52819	408.30163	ug/L	10/19/10	03:12	
PBW II	Se	-0.36494	2.58878	-3.31867	1144.61437	ug/L	10/19/10	03:12	
PBW II	Sb	-8.19271	-6.14910	-10.23632	35.27649	ug/L	10/19/10	03:12	
PBW II	Sn	1.98341	3.49627	0.47054	107.87022	ug/L	10/19/10	03:12	
PBW II	Sr	0.19966	0.15591	0.24341	30.98679	ug/L	10/19/10	03:12	
PBW II	Ti	-0.01658	-0.13379	0.10063	999.79162	ug/L	10/19/10	03:12	
PBW II	Tl	-5.48942	1.24693	-12.22579	173.54559	ug/L	10/19/10	03:12	
PBW II	V	0.51218	1.48798	-0.46361	269.43267	ug/L	10/19/10	03:12	
PBW II	Zn	3.56348	3.49663	3.63034	2.65335	ug/L	10/19/10	03:12	
PBW II	2203/1	3.51383	8.93064	-1.90296	218.00978	ug/L	10/19/10	03:12	
PBW II	2203/2	-2.72940	-2.61845	-2.84034	5.74861	ug/L	10/19/10	03:12	
PBW II	1960/1	5.69416	11.06834	0.31999	133.47399	ug/L	10/19/10	03:12	
PBW II	1960/2	-3.38995	-1.64463	-5.13527	72.81079	ug/L	10/19/10	03:12	
PBW II	Y	978.08398	977.93096	978.23693	0.02212		10/19/10	03:12	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	47.38391	47.38443	47.38339	0.00155	ug/L	10/19/10	03:18	
LCSW-1	Al	2064.02465	2059.95629	2068.09301	0.27875	ug/L	10/19/10	03:18	
LCSW-1	2Al	2.06415	2.06008	2.06822	0.27876	mg/L	10/19/10	03:18	
LCSW-1	As	2152.03759	2153.01855	2151.05664	0.06446	ug/L	10/19/10	03:18	
LCSW-1	B	1031.56127	1030.15734	1032.96520	0.19247	ug/L	10/19/10	03:18	
LCSW-1	Ba	2107.37353	2107.25659	2107.49072	0.00785	ug/L	10/19/10	03:18	
LCSW-1	Be	53.92434	53.85855	53.99012	0.17252	ug/L	10/19/10	03:18	
LCSW-1	Ca	5327.89208	5321.39599	5334.38818	0.17242	ug/L	10/19/10	03:18	
LCSW-1	Cd	54.34960	54.57874	54.12047	0.59622	ug/L	10/19/10	03:18	
LCSW-1	Co	545.58416	545.93609	545.23223	0.09122	ug/L	10/19/10	03:18	
LCSW-1	Cr	214.96426	214.90025	215.02827	0.04211	ug/L	10/19/10	03:18	
LCSW-1	Cu	268.95190	267.71582	270.18801	0.64997	ug/L	10/19/10	03:18	
LCSW-1	Fe	1089.98437	1091.22509	1088.74365	0.16097	ug/L	10/19/10	03:18	
LCSW-1	2Fe	1.09007	1.09131	1.08883	0.16096	mg/L	10/19/10	03:18	
LCSW-1	K	5708.55810	5708.66064	5708.45556	0.00254	ug/L	10/19/10	03:18	
LCSW-1	Mg	5255.84667	5250.98486	5260.70800	0.13081	ug/L	10/19/10	03:18	
LCSW-1	2Mg	5.25441	5.24955	5.25927	0.13082	mg/L	10/19/10	03:18	
LCSW-1	Mn	537.65252	537.15344	538.15161	0.13127	ug/L	10/19/10	03:18	
LCSW-1	Mo	519.55511	520.82598	518.28424	0.34592	ug/L	10/19/10	03:18	
LCSW-1	Na	170739.71875	170752.40625	170727.04687	0.01050	ug/L	10/19/10	03:18	
LCSW-1	Ni	539.13720	538.18890	540.08551	0.24874	ug/L	10/19/10	03:18	
LCSW-1	Pb	542.96118	541.54113	544.38122	0.36986	ug/L	10/19/10	03:18	
LCSW-1	Se	2168.70019	2160.51489	2176.88525	0.53375	ug/L	10/19/10	03:18	
LCSW-1	Sb	520.27984	516.83343	523.72625	0.93679	ug/L	10/19/10	03:18	
LCSW-1	Sn	1062.16772	1066.12524	1058.21008	0.52692	ug/L	10/19/10	03:18	
LCSW-1	Sr	515.89746	516.49053	515.30444	0.16257	ug/L	10/19/10	03:18	
LCSW-1	Ti	1031.21044	1030.64257	1031.77832	0.07787	ug/L	10/19/10	03:18	
LCSW-1	Tl	2193.74707	2188.84936	2198.64453	0.31572	ug/L	10/19/10	03:18	
LCSW-1	V	537.62744	537.63092	537.62396	0.00091	ug/L	10/19/10	03:18	
LCSW-1	Zn	562.86633	561.40264	564.32995	0.36774	ug/L	10/19/10	03:18	
LCSW-1	2203/1	551.87390	550.00128	553.74652	0.47987	ug/L	10/19/10	03:18	
LCSW-1	2203/2	538.51147	537.31738	539.70562	0.31359	ug/L	10/19/10	03:18	
LCSW-1	1960/1	2219.37695	2220.27612	2218.47778	0.05729	ug/L	10/19/10	03:18	
LCSW-1	1960/2	2143.39892	2130.67846	2156.11962	0.83930	ug/L	10/19/10	03:18	
LCSW-1	Y	968.58447	969.19195	967.97692	0.08870		10/19/10	03:18	
61701-2	Ag	0.31838	0.43793	0.19883	53.10322	ug/L	10/19/10	03:23	
61701-2	Al	2.41787	7.09422	-2.25846	273.51843	ug/L	10/19/10	03:23	
61701-2	2Al	0.00241	0.00709	-0.00225	273.51742	mg/L	10/19/10	03:23	
61701-2	As	1.48838	2.01147	0.96529	49.70242	ug/L	10/19/10	03:23	
61701-2	B	6.66733	7.79440	5.54027	23.90625	ug/L	10/19/10	03:23	
61701-2	Ba	22.68185	22.66201	22.70169	0.12370	ug/L	10/19/10	03:23	
61701-2	Be	-0.00864	-0.02157	0.00428	211.46302	ug/L	10/19/10	03:23	
61701-2	Ca	1614.60571	1613.00378	1616.20764	0.14031	ug/L	10/19/10	03:23	
61701-2	Cd	0.02965	-0.10014	0.15946	619.00018	ug/L	10/19/10	03:23	
61701-2	Co	0.06402	0.01050	0.11755	118.22452	ug/L	10/19/10	03:23	
61701-2	Cr	0.08336	0.12937	0.03736	78.04225	ug/L	10/19/10	03:23	
61701-2	Cu	0.41670	0.20252	0.63088	72.68891	ug/L	10/19/10	03:23	
61701-2	Fe	-10.20265	-21.20942	0.80410	152.56727	ug/L	10/19/10	03:23	
61701-2	2Fe	-0.01020	-0.02120	0.00080	152.56678	mg/L	10/19/10	03:23	
61701-2	K	170.32443	171.76278	168.88609	1.19426	ug/L	10/19/10	03:23	
61701-2	Mg	303.96676	306.47586	301.45767	1.16736	ug/L	10/19/10	03:23	
61701-2	2Mg	0.30388	0.30639	0.30137	1.16823	mg/L	10/19/10	03:23	
61701-2	Mn	10.83430	10.78424	10.88437	0.65350	ug/L	10/19/10	03:23	
61701-2	Mo	0.99010	-1.00322	2.98343	284.71771	ug/L	10/19/10	03:23	
61701-2	Na	132101.81250	131676.76562	132526.84375	0.45502	ug/L	10/19/10	03:23	
61701-2	Ni	0.37236	0.68725	0.05747	119.59221	ug/L	10/19/10	03:23	
61701-2	Pb	-0.42952	-2.54891	1.68985	697.80242	ug/L	10/19/10	03:23	
61701-2	Se	1.34458	4.66492	-1.97574	349.22689	ug/L	10/19/10	03:23	
61701-2	Sb	-4.28217	-3.08565	-5.47869	39.51576	ug/L	10/19/10	03:23	
61701-2	Sn	-1.88404	-2.37953	-1.38856	37.19256	ug/L	10/19/10	03:23	
61701-2	Sr	4.70038	4.64738	4.75337	1.59457	ug/L	10/19/10	03:23	
61701-2	Ti	0.16507	0.21710	0.11304	44.57376	ug/L	10/19/10	03:23	
61701-2	Tl	1.93761	-2.88049	6.75571	351.66101	ug/L	10/19/10	03:23	
61701-2	V	-0.36072	-0.02373	-0.69771	132.11471	ug/L	10/19/10	03:23	
61701-2	Zn	12.81924	12.76087	12.87762	0.64396	ug/L	10/19/10	03:23	
61701-2	2203/1	0.00917	-0.18555	0.20391	3001.40527	ug/L	10/19/10	03:23	
61701-2	2203/2	-0.64855	-3.72881	2.43171	671.67382	ug/L	10/19/10	03:23	
61701-2	1960/1	11.13143	7.67146	14.59141	43.95787	ug/L	10/19/10	03:23	
61701-2	1960/2	-3.54150	3.16390	-10.24690	267.76449	ug/L	10/19/10	03:23	
61701-2	Y	976.20300	978.04797	974.35797	0.26728		10/19/10	03:23	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61701-2L	Ag	-0.16462	0.01511	-0.34435	154.40414	ug/L	10/19/10	03:28	
61701-2L	Al	-8.65925	-9.47801	-7.84048	13.37188	ug/L	10/19/10	03:28	
61701-2L	2Al	-0.00865	-0.00947	-0.00784	13.37196	mg/L	10/19/10	03:28	
61701-2L	As	3.34430	6.69382	-0.00521	141.64196	ug/L	10/19/10	03:28	
61701-2L	B	-2.03871	-0.61779	-3.45962	98.56610	ug/L	10/19/10	03:28	
61701-2L	Ba	4.77367	5.06657	4.48077	8.67725	ug/L	10/19/10	03:28	
61701-2L	Be	0.00285	0.04560	-0.03988	2114.83374	ug/L	10/19/10	03:28	
61701-2L	Ca	324.11590	343.47970	304.75213	8.44899	ug/L	10/19/10	03:28	
61701-2L	Cd	-0.44036	-0.33054	-0.55017	35.26715	ug/L	10/19/10	03:28	
61701-2L	Co	0.54855	0.23597	0.86112	80.58457	ug/L	10/19/10	03:28	
61701-2L	Cr	0.05713	0.12556	-0.01129	169.38566	ug/L	10/19/10	03:28	
61701-2L	Cu	-0.80933	-0.68286	-0.93581	22.10033	ug/L	10/19/10	03:28	
61701-2L	Fe	-1.77205	3.45916	-7.00327	417.48498	ug/L	10/19/10	03:28	
61701-2L	2Fe	-0.00177	0.00345	-0.00700	417.53588	mg/L	10/19/10	03:28	
61701-2L	K	34.64392	41.05108	28.23675	26.15494	ug/L	10/19/10	03:28	
61701-2L	Mg	51.21846	55.64734	46.78958	12.22875	ug/L	10/19/10	03:28	
61701-2L	2Mg	0.05120	0.05563	0.04677	12.22607	mg/L	10/19/10	03:28	
61701-2L	Mn	2.04675	2.17696	1.91654	8.99679	ug/L	10/19/10	03:28	
61701-2L	Mo	-0.63576	-1.71407	0.44253	239.85997	ug/L	10/19/10	03:28	
61701-2L	Na	24439.13671	25964.92578	22913.34960	8.82924	ug/L	10/19/10	03:28	
61701-2L	Ni	1.09793	1.23177	0.96409	17.23902	ug/L	10/19/10	03:28	
61701-2L	Pb	0.83164	-1.40544	3.06874	380.41650	ug/L	10/19/10	03:28	
61701-2L	Se	1.49179	-0.30161	3.28519	170.01425	ug/L	10/19/10	03:28	
61701-2L	Sb	0.39798	9.30835	-8.51238	3166.24975	ug/L	10/19/10	03:28	
61701-2L	Sn	0.40710	1.61319	-0.79899	418.98242	ug/L	10/19/10	03:28	
61701-2L	Sr	0.92862	1.00838	0.84886	12.14718	ug/L	10/19/10	03:28	
61701-2L	Ti	0.06336	0.12846	-0.00173	145.30070	ug/L	10/19/10	03:28	
61701-2L	Tl	-5.72810	2.05276	-13.50897	192.10226	ug/L	10/19/10	03:28	
61701-2L	V	0.53772	1.11442	-0.03897	151.67036	ug/L	10/19/10	03:28	
61701-2L	Zn	3.38231	3.93406	2.83056	23.06985	ug/L	10/19/10	03:28	
61701-2L	2203/1	4.17473	2.76726	5.58221	47.67901	ug/L	10/19/10	03:28	
61701-2L	2203/2	-0.83738	-3.48867	1.81389	447.75930	ug/L	10/19/10	03:28	
61701-2L	1960/1	10.83472	12.07288	9.59656	16.16123	ug/L	10/19/10	03:28	
61701-2L	1960/2	-3.17267	-6.47958	0.13424	147.40512	ug/L	10/19/10	03:28	
61701-2L	Y	981.24743	984.59094	977.90393	0.48187		10/19/10	03:28	
61701-2A	Ag	45.56988	45.58928	45.55047	0.06022	ug/L	10/19/10	03:33	
61701-2A	Al	2000.20996	1997.49633	2002.92346	0.19185	ug/L	10/19/10	03:33	
61701-2A	2Al	2.00023	1.99762	2.00284	0.18453	mg/L	10/19/10	03:33	
61701-2A	As	2044.39282	2046.55798	2042.22753	0.14977	ug/L	10/19/10	03:33	
61701-2A	B	903.90441	904.20251	903.60632	0.04663	ug/L	10/19/10	03:33	
61701-2A	Ba	2043.54321	2042.58288	2044.50366	0.06646	ug/L	10/19/10	03:33	
61701-2A	Be	51.21346	51.22565	51.20127	0.03366	ug/L	10/19/10	03:33	
61701-2A	Ca	6111.45800	6113.13134	6109.78515	0.03871	ug/L	10/19/10	03:33	
61701-2A	Cd	51.56186	51.81083	51.31288	0.68287	ug/L	10/19/10	03:33	
61701-2A	Co	517.80346	518.03918	517.56768	0.06438	ug/L	10/19/10	03:33	
61701-2A	Cr	204.58123	204.43060	204.73188	0.10413	ug/L	10/19/10	03:33	
61701-2A	Cu	256.02017	255.44502	256.59530	0.31769	ug/L	10/19/10	03:33	
61701-2A	Fe	1038.81347	1039.89379	1037.73315	0.14707	ug/L	10/19/10	03:33	
61701-2A	2Fe	1.03889	1.03997	1.03781	0.14704	mg/L	10/19/10	03:33	
61701-2A	K	4956.23046	4967.24414	4945.21630	0.31427	ug/L	10/19/10	03:33	
61701-2A	Mg	4829.32324	4832.93164	4825.71435	0.10567	ug/L	10/19/10	03:33	
61701-2A	2Mg	4.82801	4.83162	4.82440	0.10566	mg/L	10/19/10	03:33	
61701-2A	Mn	522.04113	521.73175	522.35058	0.08382	ug/L	10/19/10	03:33	
61701-2A	Mo	448.72955	448.41674	449.04238	0.09858	ug/L	10/19/10	03:33	
61701-2A	Na	135234.21875	135119.90625	135348.54687	0.11955	ug/L	10/19/10	03:33	
61701-2A	Ni	511.02346	510.56509	511.48184	0.12685	ug/L	10/19/10	03:33	
61701-2A	Pb	516.97802	517.74737	516.20874	0.21044	ug/L	10/19/10	03:33	
61701-2A	Se	2050.55151	2055.08959	2046.01342	0.31298	ug/L	10/19/10	03:33	
61701-2A	Sb	492.29064	494.65118	489.93011	0.67811	ug/L	10/19/10	03:33	
61701-2A	Sn	911.40441	911.68585	911.12304	0.04366	ug/L	10/19/10	03:33	
61701-2A	Sr	454.24676	453.63339	454.86013	0.19096	ug/L	10/19/10	03:33	
61701-2A	Ti	896.14953	896.02844	896.27069	0.01911	ug/L	10/19/10	03:33	
61701-2A	Tl	2091.90380	2102.48999	2081.31787	0.71566	ug/L	10/19/10	03:33	
61701-2A	V	509.87420	509.37850	510.36993	0.13749	ug/L	10/19/10	03:33	
61701-2A	Zn	539.90283	539.59191	540.21374	0.08144	ug/L	10/19/10	03:33	
61701-2A	2203/1	524.36688	527.01568	521.71807	0.71438	ug/L	10/19/10	03:33	
61701-2A	2203/2	513.28918	513.12017	513.45819	0.04656	ug/L	10/19/10	03:33	
61701-2A	1960/1	2109.18750	2123.10253	2095.27221	0.93301	ug/L	10/19/10	03:33	
61701-2A	1960/2	2021.27685	2021.13354	2021.42028	0.01003	ug/L	10/19/10	03:33	
61701-2A	Y	966.46948	966.05993	966.87896	0.05992		10/19/10	03:33	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61701-2S	Ag	47.72900	47.83894	47.61906	0.32575	ug/L	10/19/10	03:38	
61701-2S	Al	2064.59716	2061.70556	2067.48876	0.19806	ug/L	10/19/10	03:38	
61701-2S	2Al	2.06452	2.06163	2.06741	0.19812	mg/L	10/19/10	03:38	
61701-2S	As	2130.00634	2128.27856	2131.73388	0.11470	ug/L	10/19/10	03:38	
61701-2S	B	1025.28588	1023.38842	1027.18334	0.26172	ug/L	10/19/10	03:38	
61701-2S	Ba	2118.60253	2119.32373	2117.88134	0.04814	ug/L	10/19/10	03:38	
61701-2S	Be	53.50327	53.53221	53.47433	0.07650	ug/L	10/19/10	03:38	
61701-2S	Ca	7195.18212	7195.58056	7194.78369	0.00783	ug/L	10/19/10	03:38	
61701-2S	Cd	53.82056	54.14215	53.49898	0.84500	ug/L	10/19/10	03:38	
61701-2S	Co	540.58154	541.62152	539.54162	0.27206	ug/L	10/19/10	03:38	
61701-2S	Cr	213.17514	212.50511	213.84516	0.44450	ug/L	10/19/10	03:38	
61701-2S	Cu	266.73889	266.64120	266.83660	0.05180	ug/L	10/19/10	03:38	
61701-2S	Fe	1062.23339	1045.00329	1079.46337	2.29393	ug/L	10/19/10	03:38	
61701-2S	2Fe	1.06232	1.04509	1.07955	2.29342	mg/L	10/19/10	03:38	
61701-2S	K	5827.48828	5827.44677	5827.52978	0.00100	ug/L	10/19/10	03:38	
61701-2S	Mg	5577.76855	5573.41210	5582.12548	0.11046	ug/L	10/19/10	03:38	
61701-2S	2Mg	5.57625	5.57190	5.58060	0.11037	mg/L	10/19/10	03:38	
61701-2S	Mn	546.23406	546.58325	545.88488	0.09040	ug/L	10/19/10	03:38	
61701-2S	Mo	514.27087	512.94329	515.59844	0.36507	ug/L	10/19/10	03:38	
61701-2S	Na	170537.01562	171331.45312	169742.57812	0.65880	ug/L	10/19/10	03:38	
61701-2S	Ni	532.45068	533.57989	531.32147	0.29992	ug/L	10/19/10	03:38	
61701-2S	Pb	539.26007	541.06488	537.45526	0.47331	ug/L	10/19/10	03:38	
61701-2S	Se	2153.26757	2158.19287	2148.34228	0.32348	ug/L	10/19/10	03:38	
61701-2S	Sb	520.34112	517.71667	522.96557	0.71328	ug/L	10/19/10	03:38	
61701-2S	Sn	1051.14428	1048.46752	1053.82116	0.36014	ug/L	10/19/10	03:38	
61701-2S	Sr	517.22125	518.34710	516.09539	0.30783	ug/L	10/19/10	03:38	
61701-2S	Ti	1024.94763	1025.53698	1024.35827	0.08131	ug/L	10/19/10	03:38	
61701-2S	Tl	2178.64770	2171.35986	2185.93554	0.47307	ug/L	10/19/10	03:38	
61701-2S	V	532.66705	531.66021	533.67388	0.26731	ug/L	10/19/10	03:38	
61701-2S	Zn	570.24047	569.73199	570.74896	0.12610	ug/L	10/19/10	03:38	
61701-2S	2203/1	543.42761	547.61755	539.23760	1.09039	ug/L	10/19/10	03:38	
61701-2S	2203/2	537.17944	537.79345	536.56542	0.16164	ug/L	10/19/10	03:38	
61701-2S	1960/1	2199.64843	2192.74121	2206.55566	0.44408	ug/L	10/19/10	03:38	
61701-2S	1960/2	2130.11132	2140.94409	2119.27880	0.71919	ug/L	10/19/10	03:38	
61701-2S	Y	969.59692	967.37396	971.81994	0.32423		10/19/10	03:38	
61701-2SD	Ag	46.37655	46.76555	45.98755	1.18622	ug/L	10/19/10	03:44	
61701-2SD	Al	2066.88696	2066.66577	2067.10815	0.01513	ug/L	10/19/10	03:44	
61701-2SD	2Al	2.06691	2.06679	2.06703	0.00807	mg/L	10/19/10	03:44	
61701-2SD	As	2121.61914	2124.31884	2118.91967	0.17994	ug/L	10/19/10	03:44	
61701-2SD	B	973.56054	975.28015	971.84088	0.24979	ug/L	10/19/10	03:44	
61701-2SD	Ba	2110.76855	2112.55078	2108.98657	0.11940	ug/L	10/19/10	03:44	
61701-2SD	Be	53.11864	53.11600	53.12127	0.00701	ug/L	10/19/10	03:44	
61701-2SD	Ca	6487.69384	6489.60449	6485.78320	0.04164	ug/L	10/19/10	03:44	
61701-2SD	Cd	52.84751	52.93849	52.75652	0.24348	ug/L	10/19/10	03:44	
61701-2SD	Co	538.23864	538.54193	537.93536	0.07968	ug/L	10/19/10	03:44	
61701-2SD	Cr	212.72817	213.06333	212.39303	0.22280	ug/L	10/19/10	03:44	
61701-2SD	Cu	266.08804	266.63024	265.54583	0.28817	ug/L	10/19/10	03:44	
61701-2SD	Fe	1074.96716	1081.95483	1067.97949	0.91928	ug/L	10/19/10	03:44	
61701-2SD	2Fe	1.07505	1.08204	1.06806	0.91911	mg/L	10/19/10	03:44	
61701-2SD	K	5452.44921	5446.84570	5458.05224	0.14533	ug/L	10/19/10	03:44	
61701-2SD	Mg	5226.12744	5223.74169	5228.51318	0.06455	ug/L	10/19/10	03:44	
61701-2SD	2Mg	5.22471	5.22232	5.22709	0.06457	mg/L	10/19/10	03:44	
61701-2SD	Mn	541.03344	541.68804	540.37878	0.17111	ug/L	10/19/10	03:44	
61701-2SD	Mo	488.48907	491.07751	485.90063	0.74937	ug/L	10/19/10	03:44	
61701-2SD	Na	133545.56250	133803.35937	133287.75000	0.27300	ug/L	10/19/10	03:44	
61701-2SD	Ni	529.40466	528.66729	530.14208	0.19698	ug/L	10/19/10	03:44	
61701-2SD	Pb	535.21081	535.83166	534.58996	0.16405	ug/L	10/19/10	03:44	
61701-2SD	Se	2127.51513	2128.82397	2126.20629	0.08700	ug/L	10/19/10	03:44	
61701-2SD	Sb	507.86914	503.75573	511.98254	1.14541	ug/L	10/19/10	03:44	
61701-2SD	Sn	990.91906	995.82183	986.01629	0.69971	ug/L	10/19/10	03:44	
61701-2SD	Sr	490.69561	490.67782	490.71343	0.00513	ug/L	10/19/10	03:44	
61701-2SD	Ti	972.04602	972.38732	971.70465	0.04966	ug/L	10/19/10	03:44	
61701-2SD	Tl	2156.91992	2155.15747	2158.68212	0.11554	ug/L	10/19/10	03:44	
61701-2SD	V	530.23767	530.33142	530.14398	0.02499	ug/L	10/19/10	03:44	
61701-2SD	Zn	562.65197	563.83819	561.46569	0.29816	ug/L	10/19/10	03:44	
61701-2SD	2203/1	536.17980	530.10601	542.25360	1.60200	ug/L	10/19/10	03:44	
61701-2SD	2203/2	534.72705	538.69018	530.76391	1.04814	ug/L	10/19/10	03:44	
61701-2SD	1960/1	2151.35644	2143.67089	2159.04199	0.50521	ug/L	10/19/10	03:44	
61701-2SD	1960/2	2115.61157	2121.41088	2109.81225	0.38766	ug/L	10/19/10	03:44	
61701-2SD	Y	971.20349	971.93695	970.46997	0.10680		10/19/10	03:44	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62077-8	Ag	0.59465	0.62554	0.56376	7.34687	ug/L	10/19/10	03:49	
62077-8	Al	18.13303	24.94478	11.32128	53.12554	ug/L	10/19/10	03:49	
62077-8	2Al	0.01813	0.02494	0.01132	53.12554	mg/L	10/19/10	03:49	
62077-8	As	2.23287	4.14362	0.32212	121.01923	ug/L	10/19/10	03:49	
62077-8	B	25.28965	25.68699	24.89231	2.22193	ug/L	10/19/10	03:49	
62077-8	Ba	15.82750	15.81563	15.83937	0.10605	ug/L	10/19/10	03:49	
62077-8	Be	-0.00261	-0.02609	0.02085	1267.99804	ug/L	10/19/10	03:49	
62077-8	Ca	5536.41796	5530.67285	5542.16308	0.14675	ug/L	10/19/10	03:49	
62077-8	Cd	-0.16275	-0.30881	-0.01670	126.91061	ug/L	10/19/10	03:49	
62077-8	Co	-0.43308	-0.15646	-0.70970	90.32906	ug/L	10/19/10	03:49	
62077-8	Cr	-0.26720	0.51295	-1.04735	412.91317	ug/L	10/19/10	03:49	
62077-8	Cu	2.67659	3.01570	2.33748	17.91736	ug/L	10/19/10	03:49	
62077-8	Fe	21.75110	20.43128	23.07091	8.58119	ug/L	10/19/10	03:49	
62077-8	2Fe	0.02174	0.02042	0.02306	8.58080	mg/L	10/19/10	03:49	
62077-8	K	737.29956	731.89575	742.70336	1.03650	ug/L	10/19/10	03:49	
62077-8	Mg	888.62841	889.25354	888.00335	0.09948	ug/L	10/19/10	03:49	
62077-8	2Mg	0.88840	0.88902	0.88777	0.09951	mg/L	10/19/10	03:49	
62077-8	Mn	66.32750	66.27134	66.38366	0.11974	ug/L	10/19/10	03:49	
62077-8	Mo	-1.23962	-1.83239	-0.64685	67.62532	ug/L	10/19/10	03:49	
62077-8	Na	142687.40625	142662.35937	142712.43750	0.02481	ug/L	10/19/10	03:49	
62077-8	Ni	0.59710	0.01190	1.18230	138.60107	ug/L	10/19/10	03:49	
62077-8	Pb	-2.15592	-0.92097	-3.39087	81.00865	ug/L	10/19/10	03:49	
62077-8	Se	-2.03561	-4.60107	0.52984	178.23179	ug/L	10/19/10	03:49	
62077-8	Sb	-3.24910	-1.25580	-5.24241	86.76111	ug/L	10/19/10	03:49	
62077-8	Sn	-1.13152	-3.21251	0.94945	260.08691	ug/L	10/19/10	03:49	
62077-8	Sr	70.55715	70.49027	70.62403	0.13404	ug/L	10/19/10	03:49	
62077-8	Ti	0.05287	0.38086	-0.27510	877.19586	ug/L	10/19/10	03:49	
62077-8	Tl	7.57166	11.41832	3.72500	71.84674	ug/L	10/19/10	03:49	
62077-8	V	0.02927	-0.12000	0.17856	721.08435	ug/L	10/19/10	03:49	
62077-8	Zn	91.20600	91.37201	91.03998	0.25741	ug/L	10/19/10	03:49	
62077-8	2203/1	2.99763	2.72398	3.27129	12.91034	ug/L	10/19/10	03:49	
62077-8	2203/2	-4.72884	-2.74071	-6.71696	59.45708	ug/L	10/19/10	03:49	
62077-8	1960/1	4.39739	4.67856	4.11623	9.04234	ug/L	10/19/10	03:49	
62077-8	1960/2	-5.24729	-9.23394	-1.26065	107.44507	ug/L	10/19/10	03:49	
62077-8	Y	970.57348	969.89398	971.25292	0.09900		10/19/10	03:49	
62077-41	Ag	1.23513	0.68649	1.78377	62.81842	ug/L	10/19/10	03:54	
62077-41	Al	9.62692	11.34018	7.91365	25.16815	ug/L	10/19/10	03:54	
62077-41	2Al	0.00962	0.01134	0.00791	25.16829	mg/L	10/19/10	03:54	
62077-41	As	3.32569	2.77792	3.87346	23.29331	ug/L	10/19/10	03:54	
62077-41	B	15.23286	16.83179	13.63393	14.84438	ug/L	10/19/10	03:54	
62077-41	Ba	3.15789	3.05527	3.26051	4.59567	ug/L	10/19/10	03:54	
62077-41	Be	-0.00823	-0.01683	0.00037	147.84968	ug/L	10/19/10	03:54	
62077-41	Ca	1266.06787	1264.52392	1267.61181	0.17246	ug/L	10/19/10	03:54	
62077-41	Cd	0.54643	0.58303	0.50982	9.47312	ug/L	10/19/10	03:54	
62077-41	Co	0.14658	-0.41169	0.70486	538.60528	ug/L	10/19/10	03:54	
62077-41	Cr	-0.07739	-0.19643	0.04165	217.53433	ug/L	10/19/10	03:54	
62077-41	Cu	1.68381	1.03011	2.33752	54.90368	ug/L	10/19/10	03:54	
62077-41	Fe	17.84573	8.69170	26.99976	72.54256	ug/L	10/19/10	03:54	
62077-41	2Fe	0.01784	0.00869	0.02699	72.54376	mg/L	10/19/10	03:54	
62077-41	K	570.18786	571.45812	568.91760	0.31505	ug/L	10/19/10	03:54	
62077-41	Mg	241.00186	234.46885	247.53486	3.83360	ug/L	10/19/10	03:54	
62077-41	2Mg	0.24094	0.23441	0.24747	3.83253	mg/L	10/19/10	03:54	
62077-41	Mn	23.42506	23.44147	23.40866	0.09904	ug/L	10/19/10	03:54	
62077-41	Mo	0.53677	0.99249	0.08105	120.06594	ug/L	10/19/10	03:54	
62077-41	Na	145809.95312	145736.12500	145883.78125	0.07160	ug/L	10/19/10	03:54	
62077-41	Ni	1.09587	0.85508	1.33666	31.07394	ug/L	10/19/10	03:54	
62077-41	Pb	-0.78784	-1.09432	-0.48136	55.01423	ug/L	10/19/10	03:54	
62077-41	Se	5.20400	4.15249	6.25551	28.57530	ug/L	10/19/10	03:54	
62077-41	Sb	-5.37238	-7.90294	-2.84182	66.61386	ug/L	10/19/10	03:54	
62077-41	Sn	-0.79196	-0.76599	-0.81792	4.63730	ug/L	10/19/10	03:54	
62077-41	Sr	11.23303	11.21973	11.24633	0.16740	ug/L	10/19/10	03:54	
62077-41	Ti	-0.29734	-0.25745	-0.33723	18.97198	ug/L	10/19/10	03:54	
62077-41	Tl	1.16964	2.68098	-0.34169	182.73579	ug/L	10/19/10	03:54	
62077-41	V	1.21129	0.62113	1.80145	68.90283	ug/L	10/19/10	03:54	
62077-41	Zn	42.57410	42.11973	43.02848	1.50932	ug/L	10/19/10	03:54	
62077-41	2203/1	0.67649	-0.20476	1.55774	184.22703	ug/L	10/19/10	03:54	
62077-41	2203/2	-1.51891	-1.53844	-1.49939	1.81786	ug/L	10/19/10	03:54	
62077-41	1960/1	6.01605	8.33456	3.69755	54.50185	ug/L	10/19/10	03:54	
62077-41	1960/2	4.79858	2.06459	7.53257	80.57476	ug/L	10/19/10	03:54	
62077-41	Y	968.47192	969.60595	967.33795	0.16559		10/19/10	03:54	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	504.95938	505.49328	504.42547	0.14952	ug/L	10/19/10	03:59	
CCV	Al	5058.80712	5060.00781	5057.60644	0.03356	ug/L	10/19/10	03:59	
CCV	2Al	5.05878	5.05988	5.05769	0.03068	mg/L	10/19/10	03:59	
CCV	As	509.57754	510.20080	508.95428	0.17297	ug/L	10/19/10	03:59	
CCV	B	5080.23730	5074.51367	5085.96093	0.15933	ug/L	10/19/10	03:59	
CCV	Ba	5046.64453	5050.40527	5042.88427	0.10537	ug/L	10/19/10	03:59	
CCV	Be	510.88281	511.55075	510.21490	0.18489	ug/L	10/19/10	03:59	
CCV	Ca	5082.59472	5081.53710	5083.65234	0.02942	ug/L	10/19/10	03:59	
CCV	Cd	504.99264	504.76553	505.21975	0.06360	ug/L	10/19/10	03:59	
CCV	Co	513.59997	513.65301	513.54687	0.01461	ug/L	10/19/10	03:59	
CCV	Cr	5096.89648	5098.26660	5095.52587	0.03802	ug/L	10/19/10	03:59	
CCV	Cu	5049.75683	5052.80810	5046.70556	0.08545	ug/L	10/19/10	03:59	
CCV	Fe	5098.40283	5083.90039	5112.90527	0.40227	ug/L	10/19/10	03:59	
CCV	2Fe	5.09840	5.08390	5.11290	0.40220	mg/L	10/19/10	03:59	
CCV	K	9980.48242	9988.06347	9972.90039	0.10742	ug/L	10/19/10	03:59	
CCV	Mg	5222.13671	5216.41503	5227.85839	0.15494	ug/L	10/19/10	03:59	
CCV	2Mg	5.22211	5.21639	5.22782	0.15483	mg/L	10/19/10	03:59	
CCV	Mn	5120.58007	5120.71923	5120.44042	0.00385	ug/L	10/19/10	03:59	
CCV	Mo	499.87847	501.20095	498.55603	0.37414	ug/L	10/19/10	03:59	
CCV	Na	7536.02734	7485.65576	7586.39892	0.94527	ug/L	10/19/10	03:59	
CCV	Ni	2557.28881	2557.78735	2556.79028	0.02756	ug/L	10/19/10	03:59	
CCV	Pb	519.17034	521.97644	516.36425	0.76437	ug/L	10/19/10	03:59	
CCV	Se	5062.11376	5078.67919	5045.54833	0.46279	ug/L	10/19/10	03:59	
CCV	Sb	496.79248	497.34686	496.23812	0.15781	ug/L	10/19/10	03:59	
CCV	Sn	5111.84082	5099.40185	5124.27978	0.34412	ug/L	10/19/10	03:59	
CCV	Sr	2533.38525	2532.71777	2534.05297	0.03726	ug/L	10/19/10	03:59	
CCV	Ti	504.35003	504.28106	504.41900	0.01933	ug/L	10/19/10	03:59	
CCV	Tl	5047.66406	5040.97558	5054.35205	0.18738	ug/L	10/19/10	03:59	
CCV	V	5111.31542	5113.23535	5109.39550	0.05312	ug/L	10/19/10	03:59	
CCV	Zn	2578.44580	2576.41601	2580.47534	0.11132	ug/L	10/19/10	03:59	
CCV	2203/1	523.82568	525.37377	522.27764	0.41794	ug/L	10/19/10	03:59	
CCV	2203/2	516.84619	520.28033	513.41198	0.93967	ug/L	10/19/10	03:59	
CCV	1960/1	5129.88769	5140.38330	5119.39208	0.28934	ug/L	10/19/10	03:59	
CCV	1960/2	5028.27734	5047.87304	5008.68212	0.55112	ug/L	10/19/10	03:59	
CCV	Y	971.26647	971.17193	971.36096	0.01376		10/19/10	03:59	
CCB	Ag	0.56525	0.32143	0.80907	61.00189	ug/L	10/19/10	04:04	
CCB	Al	0.43957	0.80183	0.07731	116.54757	ug/L	10/19/10	04:04	
CCB	2Al	0.00043	0.00080	0.00007	116.55458	mg/L	10/19/10	04:04	
CCB	As	0.75771	0.32464	1.19079	80.82981	ug/L	10/19/10	04:04	
CCB	B	8.92046	10.14648	7.69444	19.43677	ug/L	10/19/10	04:04	
CCB	Ba	1.32758	0.23712	2.41805	116.16183	ug/L	10/19/10	04:04	
CCB	Be	0.13576	0.05788	0.21365	81.12651	ug/L	10/19/10	04:04	
CCB	Ca	4.68913	3.98801	5.39025	21.14540	ug/L	10/19/10	04:04	
CCB	Cd	0.10789	-0.00175	0.21754	143.71566	ug/L	10/19/10	04:04	
CCB	Co	0.14408	0.37842	-0.09024	229.99824	ug/L	10/19/10	04:04	
CCB	Cr	-0.14824	-0.62203	0.32554	451.98522	ug/L	10/19/10	04:04	
CCB	Cu	0.85283	-0.17678	1.88245	170.73635	ug/L	10/19/10	04:04	
CCB	Fe	15.21462	16.47507	13.95418	11.71594	ug/L	10/19/10	04:04	
CCB	2Fe	0.01521	0.01647	0.01395	11.71549	mg/L	10/19/10	04:04	
CCB	K	18.11581	11.81420	24.41742	49.19361	ug/L	10/19/10	04:04	
CCB	Mg	-7.32011	-8.88327	-5.75695	30.19956	ug/L	10/19/10	04:04	
CCB	2Mg	-0.00732	-0.00888	-0.00575	30.20328	mg/L	10/19/10	04:04	
CCB	Mn	1.20183	0.27444	2.12922	109.12714	ug/L	10/19/10	04:04	
CCB	Mo	0.07843	1.99202	-1.83515	3450.19482	ug/L	10/19/10	04:04	
CCB	Na	82.82674	105.41477	60.23871	38.56761	ug/L	10/19/10	04:04	
CCB	Ni	1.51171	0.79514	2.22828	67.03546	ug/L	10/19/10	04:04	
CCB	Pb	-1.13509	-1.96723	-0.30294	103.67678	ug/L	10/19/10	04:04	
CCB	Se	2.05886	-2.36550	6.48322	303.90524	ug/L	10/19/10	04:04	
CCB	Sb	-1.08781	0.41528	-2.59090	195.41015	ug/L	10/19/10	04:04	
CCB	Sn	6.27293	4.42573	8.12013	41.64457	ug/L	10/19/10	04:04	
CCB	Sr	0.56853	0.05359	1.08347	128.08921	ug/L	10/19/10	04:04	
CCB	Ti	-0.09659	-0.18830	-0.00489	134.25938	ug/L	10/19/10	04:04	
CCB	Tl	-2.93431	-6.73717	0.86854	183.28146	ug/L	10/19/10	04:04	
CCB	V	1.99390	0.94173	3.04607	74.62691	ug/L	10/19/10	04:04	
CCB	Zn	0.47274	-0.43655	1.38204	272.01876	ug/L	10/19/10	04:04	
CCB	2203/1	5.10533	5.28769	4.92297	5.05151	ug/L	10/19/10	04:04	
CCB	2203/2	-4.25062	-5.58925	-2.91199	44.53724	ug/L	10/19/10	04:04	
CCB	1960/1	8.28779	3.38357	13.19200	83.68460	ug/L	10/19/10	04:04	
CCB	1960/2	-1.05092	-5.23573	3.13387	563.14025	ug/L	10/19/10	04:04	
CCB	Y	969.82641	971.15393	968.49896	0.19357		10/19/10	04:04	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62136-1	Ag	-0.01238	-0.46844	0.44367	5206.52001	ug/L	10/19/10	04:10	
62136-1	Al	1418.90966	1422.02624	1415.79309	0.31062	ug/L	10/19/10	04:10	
62136-1	2Al	1.41879	1.42191	1.41568	0.31060	mg/L	10/19/10	04:10	
62136-1	As	-2.02192	0.16453	-4.20837	152.92933	ug/L	10/19/10	04:10	
62136-1	B	27.66937	27.78059	27.55815	0.56847	ug/L	10/19/10	04:10	
62136-1	Ba	11823.44335	11819.12402	11827.76269	0.05166	ug/L	10/19/10	04:10	
62136-1	Be	-0.02347	-0.03926	-0.00768	95.10765	ug/L	10/19/10	04:10	
62136-1	Ca	537.12860	536.95965	537.29754	0.04448	ug/L	10/19/10	04:10	
62136-1	Cd	0.42234	0.68812	0.15655	88.99874	ug/L	10/19/10	04:10	
62136-1	Co	3.07756	3.71251	2.44261	29.17755	ug/L	10/19/10	04:10	
62136-1	Cr	2.46358	2.47379	2.45337	0.58607	ug/L	10/19/10	04:10	
62136-1	Cu	60.10620	59.56621	60.64619	1.27051	ug/L	10/19/10	04:10	
62136-1	Fe	92.42604	79.55704	105.29504	19.69089	ug/L	10/19/10	04:10	
62136-1	2Fe	0.09241	0.07954	0.10528	19.69028	mg/L	10/19/10	04:10	
62136-1	K	150.58457	149.52046	151.64869	0.99936	ug/L	10/19/10	04:10	
62136-1	Mg	105.65978	104.47221	106.84735	1.58951	ug/L	10/19/10	04:10	
62136-1	2Mg	0.10563	0.10445	0.10682	1.58657	mg/L	10/19/10	04:10	
62136-1	Mn	48.86074	48.55757	49.16392	0.87750	ug/L	10/19/10	04:10	
62136-1	Mo	-1.52142	-2.12136	-0.92147	55.76657	ug/L	10/19/10	04:10	
62136-1	Na	115475.87500	115603.89062	115347.85156	0.15678	ug/L	10/19/10	04:10	
62136-1	Ni	19.43003	19.46869	19.39138	0.28135	ug/L	10/19/10	04:10	
62136-1	Pb	22.35645	22.16126	22.55164	1.23473	ug/L	10/19/10	04:10	
62136-1	Se	-4.39086	-3.74637	-5.03536	20.75790	ug/L	10/19/10	04:10	
62136-1	Sb	-4.97987	-9.47626	-0.48348	127.69100	ug/L	10/19/10	04:10	
62136-1	Sn	4.00670	4.19534	3.81806	6.65820	ug/L	10/19/10	04:10	
62136-1	Sr	88.89797	88.92543	88.87053	0.04366	ug/L	10/19/10	04:10	
62136-1	Ti	-0.36933	-0.21270	-0.52596	59.97492	ug/L	10/19/10	04:10	
62136-1	Tl	-8.24932	-10.23942	-6.25921	34.11717	ug/L	10/19/10	04:10	
62136-1	V	0.51156	1.00986	0.01327	137.75207	ug/L	10/19/10	04:10	
62136-1	Zn	21.59266	21.70199	21.48333	0.71607	ug/L	10/19/10	04:10	
62136-1	2203/1	24.90872	22.98859	26.82886	10.90173	ug/L	10/19/10	04:10	
62136-1	2203/2	21.08222	21.74821	20.41624	4.46748	ug/L	10/19/10	04:10	
62136-1	1960/1	3.08654	2.00270	4.17038	49.66015	ug/L	10/19/10	04:10	
62136-1	1960/2	-8.12397	-6.61660	-9.63133	26.24009	ug/L	10/19/10	04:10	
62136-1	Y	966.33447	963.01794	969.65093	0.48536		10/19/10	04:10	
62171-1	Ag	0.29316	0.38531	0.20102	44.44916	ug/L	10/19/10	04:15	
62171-1	Al	1582.15197	1584.32495	1579.97900	0.19423	ug/L	10/19/10	04:15	
62171-1	2Al	1.58215	1.58422	1.58008	0.18498	mg/L	10/19/10	04:15	
62171-1	As	-1.51265	-1.44592	-1.57938	6.23917	ug/L	10/19/10	04:15	
62171-1	B	9.43220	7.36861	11.49579	30.94036	ug/L	10/19/10	04:15	
62171-1	Ba	1456.31323	1456.16369	1456.46289	0.01452	ug/L	10/19/10	04:15	
62171-1	Be	-0.01331	-0.00964	-0.01698	38.94145	ug/L	10/19/10	04:15	
62171-1	Ca	247.10055	247.93910	246.26199	0.47992	ug/L	10/19/10	04:15	
62171-1	Cd	0.15767	0.25273	0.06260	85.26868	ug/L	10/19/10	04:15	
62171-1	Co	0.24134	-0.22024	0.70292	270.48233	ug/L	10/19/10	04:15	
62171-1	Cr	1.15570	1.32456	0.98684	20.66325	ug/L	10/19/10	04:15	
62171-1	Cu	26.90024	27.31702	26.48346	2.19111	ug/L	10/19/10	04:15	
62171-1	Fe	1924.90234	1931.58825	1918.21655	0.49120	ug/L	10/19/10	04:15	
62171-1	2Fe	1.92465	1.93134	1.91797	0.49119	mg/L	10/19/10	04:15	
62171-1	K	84.42839	89.69065	79.16613	8.81452	ug/L	10/19/10	04:15	
62171-1	Mg	25.99395	26.05016	25.93774	0.30580	ug/L	10/19/10	04:15	
62171-1	2Mg	0.02565	0.02571	0.02560	0.30326	mg/L	10/19/10	04:15	
62171-1	Mn	25.16909	25.18430	25.15388	0.08544	ug/L	10/19/10	04:15	
62171-1	Mo	0.17126	-0.46788	0.81041	527.78308	ug/L	10/19/10	04:15	
62171-1	Na	125654.67968	126269.21093	125040.14843	0.69164	ug/L	10/19/10	04:15	
62171-1	Ni	5.78708	5.48023	6.09393	7.49860	ug/L	10/19/10	04:15	
62171-1	Pb	8.40780	11.01068	5.80492	43.78108	ug/L	10/19/10	04:15	
62171-1	Se	0.77637	6.82983	-5.27708	1102.67602	ug/L	10/19/10	04:15	
62171-1	Sb	-4.74642	-3.87449	-5.61835	25.97937	ug/L	10/19/10	04:15	
62171-1	Sn	2.77903	4.89733	0.66072	107.79768	ug/L	10/19/10	04:15	
62171-1	Sr	10.27690	10.27104	10.28277	0.08072	ug/L	10/19/10	04:15	
62171-1	Ti	0.58891	0.36605	0.81177	53.51799	ug/L	10/19/10	04:15	
62171-1	Tl	-6.37304	-8.73498	-4.01110	52.41279	ug/L	10/19/10	04:15	
62171-1	V	-0.21418	-0.12029	-0.30808	61.99722	ug/L	10/19/10	04:15	
62171-1	Zn	139.98976	140.20317	139.77635	0.21559	ug/L	10/19/10	04:15	
62171-1	2203/1	11.40631	12.80430	10.00832	17.33299	ug/L	10/19/10	04:15	
62171-1	2203/2	6.91079	10.11521	3.70637	65.57472	ug/L	10/19/10	04:15	
62171-1	1960/1	8.16637	15.68316	0.64958	130.17216	ug/L	10/19/10	04:15	
62171-1	1960/2	-2.91308	2.40980	-8.23598	258.40994	ug/L	10/19/10	04:15	
62171-1	Y	967.63494	965.93395	969.33593	0.24860		10/19/10	04:15	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62115-1	Ag	0.05185	0.44989	-0.34617	1085.45568	ug/L	10/19/10	04:20	
62115-1	Al	2904.47509	2905.73144	2903.21875	0.06117	ug/L	10/19/10	04:20	
62115-1	2Al	2.90425	2.90550	2.90299	0.06114	mg/L	10/19/10	04:20	
62115-1	As	-0.24217	4.69580	-5.18015	2883.62402	ug/L	10/19/10	04:20	
62115-1	B	43.47975	41.94009	45.01941	5.00786	ug/L	10/19/10	04:20	
62115-1	Ba	142.25921	142.32412	142.19432	0.06452	ug/L	10/19/10	04:20	
62115-1	Be	-0.00130	-0.03934	0.03672	4114.29931	ug/L	10/19/10	04:20	
62115-1	Ca	89246.16406	89185.10156	89307.22656	0.09676	ug/L	10/19/10	04:20	
62115-1	Cd	-0.30467	-0.39308	-0.21627	41.03564	ug/L	10/19/10	04:20	
62115-1	Co	0.34927	0.24803	0.45051	40.99253	ug/L	10/19/10	04:20	
62115-1	Cr	391.71871	390.97024	392.46719	0.27021	ug/L	10/19/10	04:20	
62115-1	Cu	0.52518	0.93883	0.11154	111.38497	ug/L	10/19/10	04:20	
62115-1	Fe	-1.73049	-10.30860	6.84761	701.02978	ug/L	10/19/10	04:20	
62115-1	2Fe	-0.00173	-0.01031	0.00684	699.86798	mg/L	10/19/10	04:20	
62115-1	K	63589.35156	63511.98828	63666.71093	0.17204	ug/L	10/19/10	04:20	
62115-1	Mg	46.07280	41.42922	50.71638	14.25356	ug/L	10/19/10	04:20	
62115-1	2Mg	0.04606	0.04141	0.05070	14.24868	mg/L	10/19/10	04:20	
62115-1	Mn	0.87098	0.88730	0.85467	2.64929	ug/L	10/19/10	04:20	
62115-1	Mo	17.25789	16.17916	18.33662	8.83975	ug/L	10/19/10	04:20	
62115-1	Na	25012.97070	25127.71289	24898.22851	0.64874	ug/L	10/19/10	04:20	
62115-1	Ni	0.08693	-0.00287	0.17673	146.10420	ug/L	10/19/10	04:20	
62115-1	Pb	0.40792	0.68883	0.12700	97.39054	ug/L	10/19/10	04:20	
62115-1	Se	3.76031	2.85816	4.66247	33.92908	ug/L	10/19/10	04:20	
62115-1	Sb	-8.00215	-9.53914	-6.46517	27.16299	ug/L	10/19/10	04:20	
62115-1	Sn	0.78731	2.34563	-0.77100	279.91302	ug/L	10/19/10	04:20	
62115-1	Sr	636.26770	637.49908	635.03625	0.27370	ug/L	10/19/10	04:20	
62115-1	Ti	-0.13898	-0.24667	-0.03130	109.56513	ug/L	10/19/10	04:20	
62115-1	Tl	-3.62976	-5.49079	-1.76872	72.50909	ug/L	10/19/10	04:20	
62115-1	V	-0.35699	-0.58384	-0.13013	89.86692	ug/L	10/19/10	04:20	
62115-1	Zn	19.26633	19.25770	19.27495	0.06331	ug/L	10/19/10	04:20	
62115-1	2203/1	3.70829	5.78152	1.63505	79.06616	ug/L	10/19/10	04:20	
62115-1	2203/2	-1.23979	-1.85369	-0.62588	70.02695	ug/L	10/19/10	04:20	
62115-1	1960/1	10.79744	10.56827	11.02662	3.00163	ug/L	10/19/10	04:20	
62115-1	1960/2	0.24702	-0.99111	1.48517	708.82714	ug/L	10/19/10	04:20	
62115-1	Y	962.01898	960.69598	963.34197	0.19448		10/19/10	04:20	
62115-2	Ag	0.42066	0.45168	0.38963	10.42979	ug/L	10/19/10	04:26	
62115-2	Al	3312.33740	3314.61132	3310.06323	0.09709	ug/L	10/19/10	04:26	
62115-2	2Al	3.31245	3.31483	3.31007	0.10155	mg/L	10/19/10	04:26	
62115-2	As	-2.17079	1.86994	-6.21152	263.24349	ug/L	10/19/10	04:26	
62115-2	B	166.19833	166.63697	165.75967	0.37325	ug/L	10/19/10	04:26	
62115-2	Ba	142.54498	142.50160	142.58834	0.04303	ug/L	10/19/10	04:26	
62115-2	Be	0.00636	-0.02194	0.03468	628.76196	ug/L	10/19/10	04:26	
62115-2	Ca	107666.65625	107516.25000	107817.06250	0.19756	ug/L	10/19/10	04:26	
62115-2	Cd	-0.05456	-0.30599	0.19687	651.71508	ug/L	10/19/10	04:26	
62115-2	Co	0.46979	0.68437	0.25521	64.59541	ug/L	10/19/10	04:26	
62115-2	Cr	540.04614	539.45849	540.63372	0.15387	ug/L	10/19/10	04:26	
62115-2	Cu	0.51231	1.36624	-0.34160	235.71841	ug/L	10/19/10	04:26	
62115-2	Fe	7.33722	9.30013	5.37431	37.83414	ug/L	10/19/10	04:26	
62115-2	2Fe	0.00733	0.00929	0.00536	37.85501	mg/L	10/19/10	04:26	
62115-2	K	62552.64453	62420.93359	62684.35546	0.29777	ug/L	10/19/10	04:26	
62115-2	Mg	38.37677	41.55370	35.19982	11.70726	ug/L	10/19/10	04:26	
62115-2	2Mg	0.03836	0.04154	0.03518	11.70655	mg/L	10/19/10	04:26	
62115-2	Mn	0.17656	0.28070	0.07242	83.41481	ug/L	10/19/10	04:26	
62115-2	Mo	18.74875	18.43556	19.06194	2.36238	ug/L	10/19/10	04:26	
62115-2	Na	24917.73046	24815.42968	25020.03320	0.58061	ug/L	10/19/10	04:26	
62115-2	Ni	1.25083	1.31653	1.18514	7.42778	ug/L	10/19/10	04:26	
62115-2	Pb	-0.78135	-0.43609	-1.12661	62.49005	ug/L	10/19/10	04:26	
62115-2	Se	0.75794	1.99892	-0.48302	231.54553	ug/L	10/19/10	04:26	
62115-2	Sb	-3.75766	-4.32541	-3.18991	21.36747	ug/L	10/19/10	04:26	
62115-2	Sn	0.47183	-0.82690	1.77057	389.26412	ug/L	10/19/10	04:26	
62115-2	Sr	675.04931	673.30352	676.79516	0.36574	ug/L	10/19/10	04:26	
62115-2	Ti	-0.03438	0.40237	-0.47114	1796.20385	ug/L	10/19/10	04:26	
62115-2	Tl	-0.66901	-3.79825	2.46022	661.47839	ug/L	10/19/10	04:26	
62115-2	V	-0.25343	-0.72703	0.22016	264.28103	ug/L	10/19/10	04:26	
62115-2	Zn	2.47875	2.92098	2.03652	25.23083	ug/L	10/19/10	04:26	
62115-2	2203/1	0.12281	-2.81624	3.06186	3384.38208	ug/L	10/19/10	04:26	
62115-2	2203/2	-1.23276	0.75218	-3.21772	227.71147	ug/L	10/19/10	04:26	
62115-2	1960/1	7.62455	4.21793	11.03116	63.18636	ug/L	10/19/10	04:26	
62115-2	1960/2	-2.67020	0.89107	-6.23148	188.61520	ug/L	10/19/10	04:26	
62115-2	Y	958.63500	958.14898	959.12097	0.07169		10/19/10	04:26	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62115-3	Ag	0.66471	0.81925	0.51016	32.88034	ug/L	10/19/10	04:31	
62115-3	Al	4166.22656	4172.17333	4160.27978	0.20186	ug/L	10/19/10	04:31	
62115-3	2Al	4.16629	4.17224	4.16034	0.20185	mg/L	10/19/10	04:31	
62115-3	As	0.12318	0.97351	-0.72715	976.25555	ug/L	10/19/10	04:31	
62115-3	B	122.00606	121.32392	122.68820	0.79069	ug/L	10/19/10	04:31	
62115-3	Ba	295.73379	295.84829	295.61929	0.05475	ug/L	10/19/10	04:31	
62115-3	Be	0.04070	0.01663	0.06477	83.62365	ug/L	10/19/10	04:31	
62115-3	Ca	131082.53125	131058.04687	131107.03125	0.02642	ug/L	10/19/10	04:31	
62115-3	Cd	0.02787	0.22680	-0.17105	1009.30798	ug/L	10/19/10	04:31	
62115-3	Co	0.41074	0.47683	0.34465	22.75439	ug/L	10/19/10	04:31	
62115-3	Cr	667.86712	666.74139	668.99285	0.23837	ug/L	10/19/10	04:31	
62115-3	Cu	0.66985	0.05954	1.28017	128.85064	ug/L	10/19/10	04:31	
62115-3	Fe	28.99221	30.34919	27.63522	6.61923	ug/L	10/19/10	04:31	
62115-3	2Fe	0.02898	0.03034	0.02762	6.62057	mg/L	10/19/10	04:31	
62115-3	K	88022.00000	88076.75000	87967.24218	0.08797	ug/L	10/19/10	04:31	
62115-3	Mg	33.57028	32.05633	35.08422	6.37777	ug/L	10/19/10	04:31	
62115-3	2Mg	0.03355	0.03204	0.03506	6.37992	mg/L	10/19/10	04:31	
62115-3	Mn	0.34620	0.23588	0.45652	45.06512	ug/L	10/19/10	04:31	
62115-3	Mo	29.61448	29.29170	29.93726	1.54140	ug/L	10/19/10	04:31	
62115-3	Na	31047.68164	31020.59179	31074.77148	0.12339	ug/L	10/19/10	04:31	
62115-3	Ni	0.64825	0.30700	0.98949	74.44490	ug/L	10/19/10	04:31	
62115-3	Pb	-0.86072	0.60460	-2.32606	240.76103	ug/L	10/19/10	04:31	
62115-3	Se	4.77767	13.28923	-3.73387	251.94587	ug/L	10/19/10	04:31	
62115-3	Sb	-1.18626	-2.34408	-0.02844	138.03009	ug/L	10/19/10	04:31	
62115-3	Sn	3.00323	1.14226	4.86421	87.63262	ug/L	10/19/10	04:31	
62115-3	Sr	881.78118	881.96051	881.60186	0.02875	ug/L	10/19/10	04:31	
62115-3	Ti	-0.03108	-0.07283	0.01065	189.89738	ug/L	10/19/10	04:31	
62115-3	Tl	-3.18172	-1.55859	-4.80485	72.14492	ug/L	10/19/10	04:31	
62115-3	V	0.39658	0.57103	0.22214	62.20764	ug/L	10/19/10	04:31	
62115-3	Zn	3.16526	2.62479	3.70574	24.14780	ug/L	10/19/10	04:31	
62115-3	2203/1	3.08936	4.49202	1.68669	64.20973	ug/L	10/19/10	04:31	
62115-3	2203/2	-2.83281	-1.33618	-4.32944	74.71547	ug/L	10/19/10	04:31	
62115-3	1960/1	12.33795	20.08990	4.58600	88.85517	ug/L	10/19/10	04:31	
62115-3	1960/2	1.00320	9.89399	-7.88758	1253.33215	ug/L	10/19/10	04:31	
62115-3	Y	960.52044	959.04895	961.99194	0.21665		10/19/10	04:31	
62115-4	Ag	2.43286	2.02012	2.84560	23.99221	ug/L	10/19/10	04:36	
62115-4	Al	17956.07421	17941.06250	17971.08789	0.11823	ug/L	10/19/10	04:36	
62115-4	2Al	17.95631	17.94076	17.97185	0.12241	mg/L	10/19/10	04:36	
62115-4	As	1.05485	1.46524	0.64447	55.01905	ug/L	10/19/10	04:36	
62115-4	B	1098.65307	1098.67480	1098.63134	0.00279	ug/L	10/19/10	04:36	
62115-4	Ba	89.81525	90.03335	89.59715	0.34341	ug/L	10/19/10	04:36	
62115-4	Be	-0.02058	-0.02396	-0.01720	23.23198	ug/L	10/19/10	04:36	
62115-4	Ca	46071.01562	46081.21875	46060.80859	0.03132	ug/L	10/19/10	04:36	
62115-4	Cd	-0.35737	-0.32605	-0.38869	12.39350	ug/L	10/19/10	04:36	
62115-4	Co	0.16512	0.11691	0.21333	41.28868	ug/L	10/19/10	04:36	
62115-4	Cr	1148.59960	1148.73852	1148.46081	0.01709	ug/L	10/19/10	04:36	
62115-4	Cu	1.43727	0.72986	2.14468	69.60559	ug/L	10/19/10	04:36	
62115-4	Fe	22.83627	22.11869	23.55386	4.44388	ug/L	10/19/10	04:36	
62115-4	2Fe	0.02282	0.02210	0.02354	4.44576	mg/L	10/19/10	04:36	
62115-4	K	391703.12500	391034.31250	392371.93750	0.24146	ug/L	10/19/10	04:36	
62115-4	Mg	7.07726	3.83542	10.31909	64.77994	ug/L	10/19/10	04:36	
62115-4	2Mg	0.00707	0.00383	0.01031	64.81336	mg/L	10/19/10	04:36	
62115-4	Mn	0.23691	0.19796	0.27585	23.24770	ug/L	10/19/10	04:36	
62115-4	Mo	105.78262	106.50727	105.05798	0.96878	ug/L	10/19/10	04:36	
62115-4	Na	140427.23437	139904.90625	140949.56250	0.52602	ug/L	10/19/10	04:36	
62115-4	Ni	0.53843	0.56092	0.51593	5.90852	ug/L	10/19/10	04:36	
62115-4	Pb	-1.58135	1.86632	-5.02902	308.32818	ug/L	10/19/10	04:36	
62115-4	Se	24.40424	26.01719	22.79130	9.34692	ug/L	10/19/10	04:36	
62115-4	Sb	-3.89000	-5.85700	-1.92300	71.51031	ug/L	10/19/10	04:36	
62115-4	Sn	0.84316	3.40140	-1.71506	429.08166	ug/L	10/19/10	04:36	
62115-4	Sr	455.35705	455.63171	455.08239	0.08530	ug/L	10/19/10	04:36	
62115-4	Ti	0.10507	-0.15096	0.36111	344.59988	ug/L	10/19/10	04:36	
62115-4	Tl	1.07435	-5.02746	7.17618	803.20410	ug/L	10/19/10	04:36	
62115-4	V	-0.18063	-0.32098	-0.04028	109.88381	ug/L	10/19/10	04:36	
62115-4	Zn	4.97935	4.79722	5.16148	5.17287	ug/L	10/19/10	04:36	
62115-4	2203/1	6.27406	7.23122	5.31690	21.57497	ug/L	10/19/10	04:36	
62115-4	2203/2	-5.50316	-0.81209	-10.19423	120.55187	ug/L	10/19/10	04:36	
62115-4	1960/1	34.08235	34.02301	34.14169	0.24623	ug/L	10/19/10	04:36	
62115-4	1960/2	19.57245	22.02028	17.12462	17.68688	ug/L	10/19/10	04:36	
62115-4	Y	941.81396	944.13598	939.49194	0.34867		10/19/10	04:36	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62112-1	Ag	-1.02162	-0.28540	-1.75785	101.91375	ug/L	10/19/10	04:41	
62112-1	Al	-5.88970	-5.81672	-5.96267	1.75222	ug/L	10/19/10	04:41	
62112-1	2Al	-0.00589	-0.00581	-0.00596	1.75251	mg/L	10/19/10	04:41	
62112-1	As	1.89134	2.77940	1.00328	66.40261	ug/L	10/19/10	04:41	
62112-1	B	14.56131	14.68789	14.43474	1.22928	ug/L	10/19/10	04:41	
62112-1	Ba	35.71487	35.48574	35.94400	0.90729	ug/L	10/19/10	04:41	
62112-1	Be	-0.00404	-0.01358	0.00550	334.05780	ug/L	10/19/10	04:41	
62112-1	Ca	102878.85156	102852.46093	102905.24218	0.03627	ug/L	10/19/10	04:41	
62112-1	Cd	0.30768	0.20447	0.41089	47.43952	ug/L	10/19/10	04:41	
62112-1	Co	1.51065	1.71226	1.30904	18.87396	ug/L	10/19/10	04:41	
62112-1	Cr	0.40461	0.18952	0.61970	75.17947	ug/L	10/19/10	04:41	
62112-1	Cu	56.38134	56.68107	56.08162	0.75180	ug/L	10/19/10	04:41	
62112-1	Fe	7.89550	5.88383	9.90717	36.03232	ug/L	10/19/10	04:41	
62112-1	2Fe	0.00789	0.00588	0.00990	36.03063	mg/L	10/19/10	04:41	
62112-1	K	328.64404	328.82510	328.46295	0.07792	ug/L	10/19/10	04:41	
62112-1	Mg	1133.30981	1137.01708	1129.60241	0.46262	ug/L	10/19/10	04:41	
62112-1	2Mg	1.13304	1.13674	1.12933	0.46264	mg/L	10/19/10	04:41	
62112-1	Mn	115.10286	114.99562	115.21010	0.13175	ug/L	10/19/10	04:41	
62112-1	Mo	1.51003	2.10985	0.91020	56.17611	ug/L	10/19/10	04:41	
62112-1	Na	179954.71875	179973.53125	179935.92187	0.01477	ug/L	10/19/10	04:41	
62112-1	Ni	2.23848	1.71128	2.76568	33.30692	ug/L	10/19/10	04:41	
62112-1	Pb	1.54358	0.83596	2.25120	64.83121	ug/L	10/19/10	04:41	
62112-1	Se	-1.60382	-3.31559	0.10795	150.94062	ug/L	10/19/10	04:41	
62112-1	Sb	-5.08808	-5.86237	-4.31379	21.52111	ug/L	10/19/10	04:41	
62112-1	Sn	-0.00627	1.20769	-1.22025	27357.60351	ug/L	10/19/10	04:41	
62112-1	Sr	203.31903	203.24772	203.39033	0.04959	ug/L	10/19/10	04:41	
62112-1	Ti	-0.08610	-0.19307	0.02086	175.68977	ug/L	10/19/10	04:41	
62112-1	Tl	-8.71230	-10.86553	-6.55907	34.95197	ug/L	10/19/10	04:41	
62112-1	V	-0.68560	-1.43485	0.06364	154.54925	ug/L	10/19/10	04:41	
62112-1	Zn	4394.49707	4394.46630	4394.52783	0.00098	ug/L	10/19/10	04:41	
62112-1	2203/1	1.22294	-1.42061	3.86650	305.70114	ug/L	10/19/10	04:41	
62112-1	2203/2	1.70366	1.96256	1.44477	21.49112	ug/L	10/19/10	04:41	
62112-1	1960/1	-0.84472	1.08340	-2.77285	322.80075	ug/L	10/19/10	04:41	
62112-1	1960/2	-1.98279	-5.51179	1.54620	251.70274	ug/L	10/19/10	04:41	
62112-1	Y	958.77893	958.31097	959.24694	0.06902		10/19/10	04:41	
62145-1	Ag	0.38767	1.30475	-0.52941	334.55062	ug/L	10/19/10	04:47	
62145-1	Al	59.21189	60.86376	57.56002	3.94531	ug/L	10/19/10	04:47	
62145-1	2Al	0.05921	0.06086	0.05756	3.94531	mg/L	10/19/10	04:47	
62145-1	As	3.34347	4.56623	2.12071	51.71985	ug/L	10/19/10	04:47	
62145-1	B	15.22005	16.22147	14.21863	9.30499	ug/L	10/19/10	04:47	
62145-1	Ba	80.32353	80.49623	80.15084	0.30404	ug/L	10/19/10	04:47	
62145-1	Be	0.03074	0.04431	0.01717	62.43636	ug/L	10/19/10	04:47	
62145-1	Ca	13092.77148	13082.12792	13103.41406	0.11496	ug/L	10/19/10	04:47	
62145-1	Cd	19.54756	19.41855	19.67658	0.93339	ug/L	10/19/10	04:47	
62145-1	Co	1.98384	2.55930	1.40838	41.02237	ug/L	10/19/10	04:47	
62145-1	Cr	5.38049	5.81249	4.94848	11.35484	ug/L	10/19/10	04:47	
62145-1	Cu	26.98641	27.71758	26.25525	3.83163	ug/L	10/19/10	04:47	
62145-1	Fe	1401.12231	1393.91625	1408.32849	0.72734	ug/L	10/19/10	04:47	
62145-1	2Fe	1.40094	1.39374	1.40815	0.72732	mg/L	10/19/10	04:47	
62145-1	K	397.79318	404.28872	391.29763	2.30926	ug/L	10/19/10	04:47	
62145-1	Mg	298.32934	296.91812	299.74057	0.66898	ug/L	10/19/10	04:47	
62145-1	2Mg	0.29805	0.29664	0.29946	0.66880	mg/L	10/19/10	04:47	
62145-1	Mn	122.41670	122.37796	122.45544	0.04475	ug/L	10/19/10	04:47	
62145-1	Mo	1.13544	-0.74532	3.01621	234.25344	ug/L	10/19/10	04:47	
62145-1	Na	131682.53125	131941.34375	131423.73437	0.27794	ug/L	10/19/10	04:47	
62145-1	Ni	6.89403	6.67905	7.10900	4.40993	ug/L	10/19/10	04:47	
62145-1	Pb	725.19799	727.64965	722.74639	0.47809	ug/L	10/19/10	04:47	
62145-1	Se	1.79427	5.24074	-1.65219	271.64398	ug/L	10/19/10	04:47	
62145-1	Sb	-3.54931	-2.33632	-4.76230	48.33132	ug/L	10/19/10	04:47	
62145-1	Sn	-0.61271	2.40119	-3.62662	695.64398	ug/L	10/19/10	04:47	
62145-1	Sr	180.18670	179.74404	180.62937	0.34743	ug/L	10/19/10	04:47	
62145-1	Ti	-0.28417	-0.19191	-0.37642	45.91293	ug/L	10/19/10	04:47	
62145-1	Tl	-1.60467	-2.98213	-0.22721	121.39664	ug/L	10/19/10	04:47	
62145-1	V	-0.23288	0.11060	-0.57637	208.58653	ug/L	10/19/10	04:47	
62145-1	Zn	211.27880	211.62814	210.92947	0.23383	ug/L	10/19/10	04:47	
62145-1	2203/1	729.44091	734.80633	724.07556	1.04022	ug/L	10/19/10	04:47	
62145-1	2203/2	723.07977	724.07672	722.08282	0.19498	ug/L	10/19/10	04:47	
62145-1	1960/1	1.50251	9.57125	-6.56622	759.45312	ug/L	10/19/10	04:47	
62145-1	1960/2	1.93993	3.07873	0.80113	83.01824	ug/L	10/19/10	04:47	
62145-1	Y	962.96844	962.45996	963.47692	0.07467		10/19/10	04:47	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	503.81439	505.01559	502.61322	0.33717	ug/L	10/19/10	04:52	
CCV	Al	5042.13964	5041.24023	5043.03906	0.02522	ug/L	10/19/10	04:52	
CCV	2Al	5.04191	5.04091	5.04291	0.02808	mg/L	10/19/10	04:52	
CCV	As	509.09280	507.51873	510.66687	0.43726	ug/L	10/19/10	04:52	
CCV	B	5051.33056	5051.41406	5051.24707	0.00233	ug/L	10/19/10	04:52	
CCV	Ba	5016.43798	5022.21777	5010.65820	0.16294	ug/L	10/19/10	04:52	
CCV	Be	508.06958	508.95401	507.18518	0.24617	ug/L	10/19/10	04:52	
CCV	Ca	5061.26708	5057.92187	5064.61230	0.09347	ug/L	10/19/10	04:52	
CCV	Cd	502.37121	503.49441	501.24801	0.31618	ug/L	10/19/10	04:52	
CCV	Co	511.11273	511.78268	510.44274	0.18537	ug/L	10/19/10	04:52	
CCV	Cr	5064.95507	5067.16796	5062.74267	0.06178	ug/L	10/19/10	04:52	
CCV	Cu	5030.01269	5036.83593	5023.18945	0.19183	ug/L	10/19/10	04:52	
CCV	Fe	5076.70996	5080.87939	5072.54101	0.11614	ug/L	10/19/10	04:52	
CCV	2Fe	5.07671	5.08088	5.07254	0.11614	mg/L	10/19/10	04:52	
CCV	K	9943.84179	9937.38281	9950.30175	0.09186	ug/L	10/19/10	04:52	
CCV	Mg	5189.43066	5187.90185	5190.95898	0.04165	ug/L	10/19/10	04:52	
CCV	2Mg	5.18940	5.18787	5.19093	0.04162	mg/L	10/19/10	04:52	
CCV	Mn	5089.53320	5092.76904	5086.29687	0.08992	ug/L	10/19/10	04:52	
CCV	Mo	495.32745	496.75500	493.89987	0.40758	ug/L	10/19/10	04:52	
CCV	Na	7583.44140	7532.80419	7634.07861	0.94431	ug/L	10/19/10	04:52	
CCV	Ni	2539.27197	2544.52514	2534.01879	0.29256	ug/L	10/19/10	04:52	
CCV	Pb	509.20483	512.51330	505.89639	0.91885	ug/L	10/19/10	04:52	
CCV	Se	4977.66894	4991.72607	4963.61132	0.39938	ug/L	10/19/10	04:52	
CCV	Sb	496.02401	488.97601	503.07202	2.00945	ug/L	10/19/10	04:52	
CCV	Sn	5081.98437	5081.77197	5082.19726	0.00591	ug/L	10/19/10	04:52	
CCV	Sr	2522.61059	2529.57055	2515.65063	0.39018	ug/L	10/19/10	04:52	
CCV	Ti	500.88150	501.27685	500.48614	0.11162	ug/L	10/19/10	04:52	
CCV	Tl	5025.66845	5033.80029	5017.53662	0.22882	ug/L	10/19/10	04:52	
CCV	V	5083.91406	5088.04638	5079.78173	0.11495	ug/L	10/19/10	04:52	
CCV	Zn	2560.73291	2563.47363	2557.99218	0.15136	ug/L	10/19/10	04:52	
CCV	2203/1	514.30010	517.54980	511.05038	0.89359	ug/L	10/19/10	04:52	
CCV	2203/2	506.66104	509.99884	503.32324	0.93166	ug/L	10/19/10	04:52	
CCV	1960/1	5074.22265	5089.38525	5059.06054	0.42258	ug/L	10/19/10	04:52	
CCV	1960/2	4929.46386	4942.96972	4915.95800	0.38746	ug/L	10/19/10	04:52	
CCV	Y	976.79699	978.26397	975.32995	0.21239		10/19/10	04:52	
CCB	Ag	-0.34458	-0.70828	0.01910	149.26153	ug/L	10/19/10	04:57	
CCB	Al	-13.34497	-12.73578	-13.95417	6.45585	ug/L	10/19/10	04:57	
CCB	2Al	-0.01334	-0.01273	-0.01395	6.45584	mg/L	10/19/10	04:57	
CCB	As	-0.71562	-0.89812	-0.53311	36.06637	ug/L	10/19/10	04:57	
CCB	B	10.26962	12.26658	8.27266	27.49984	ug/L	10/19/10	04:57	
CCB	Ba	1.35001	0.49532	2.20470	89.53379	ug/L	10/19/10	04:57	
CCB	Be	0.11755	0.02138	0.21373	115.69974	ug/L	10/19/10	04:57	
CCB	Ca	5.59783	3.30483	7.89083	57.92941	ug/L	10/19/10	04:57	
CCB	Cd	0.31367	-0.00120	0.62855	141.96400	ug/L	10/19/10	04:57	
CCB	Co	-0.67626	-0.80487	-0.54766	26.89374	ug/L	10/19/10	04:57	
CCB	Cr	0.84617	-0.33863	2.03098	198.01670	ug/L	10/19/10	04:57	
CCB	Cu	0.05414	-1.15526	1.26355	3158.82128	ug/L	10/19/10	04:57	
CCB	Fe	-0.44764	8.72566	-9.62095	2898.05615	ug/L	10/19/10	04:57	
CCB	2Fe	-0.00044	0.00872	-0.00961	2897.57006	mg/L	10/19/10	04:57	
CCB	K	8.02771	7.00382	9.05160	18.03749	ug/L	10/19/10	04:57	
CCB	Mg	-8.88333	-8.88347	-8.88318	0.00230	ug/L	10/19/10	04:57	
CCB	2Mg	-0.00888	-0.00888	-0.00887	0.03556	mg/L	10/19/10	04:57	
CCB	Mn	1.01830	-0.01908	2.05570	144.07234	ug/L	10/19/10	04:57	
CCB	Mo	-0.14743	0.26285	-0.55772	393.55453	ug/L	10/19/10	04:57	
CCB	Na	105.55874	36.92990	174.18759	91.94485	ug/L	10/19/10	04:57	
CCB	Ni	-0.90858	-2.39100	0.57382	230.73768	ug/L	10/19/10	04:57	
CCB	Pb	-2.21986	-0.24046	-4.19926	126.10224	ug/L	10/19/10	04:57	
CCB	Se	6.10152	6.83643	5.36660	17.03384	ug/L	10/19/10	04:57	
CCB	Sb	-3.21111	-1.58191	-4.84030	71.75178	ug/L	10/19/10	04:57	
CCB	Sn	2.25802	3.03381	1.48223	48.58834	ug/L	10/19/10	04:57	
CCB	Sr	0.55654	-0.01068	1.12378	144.13661	ug/L	10/19/10	04:57	
CCB	Ti	-0.26696	-0.42384	-0.11009	83.10047	ug/L	10/19/10	04:57	
CCB	Tl	1.37049	0.65718	2.08380	73.60687	ug/L	10/19/10	04:57	
CCB	V	1.47378	1.31136	1.63620	15.58546	ug/L	10/19/10	04:57	
CCB	Zn	1.04466	0.43547	1.65385	82.46862	ug/L	10/19/10	04:57	
CCB	2203/1	2.89350	7.55298	-1.76597	227.73399	ug/L	10/19/10	04:57	
CCB	2203/2	-4.77271	-4.13134	-5.41409	19.00469	ug/L	10/19/10	04:57	
CCB	1960/1	9.33189	11.75746	6.90631	36.75870	ug/L	10/19/10	04:57	
CCB	1960/2	4.48875	4.37960	4.59791	3.43889	ug/L	10/19/10	04:57	
CCB	Y	970.31695	972.20697	968.42694	0.27546		10/19/10	04:57	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 183043	Ag	1.14294	0.32331	1.96257	101.41585	ug/L	10/19/10	05:02	
PBW 183043	Al	-3.89126	-2.25707	-5.52545	59.39172	ug/L	10/19/10	05:02	
PBW 183043	2Al	-0.00389	-0.00225	-0.00552	59.39203	mg/L	10/19/10	05:02	
PBW 183043	As	0.36584	-2.49280	3.22448	1105.05505	ug/L	10/19/10	05:02	
PBW 183043	B	1.32163	0.91920	1.72405	43.06156	ug/L	10/19/10	05:02	
PBW 183043	Ba	0.42029	0.38994	0.45065	10.21377	ug/L	10/19/10	05:02	
PBW 183043	Be	-0.00365	-0.01773	0.01041	543.92156	ug/L	10/19/10	05:02	
PBW 183043	Ca	112.80584	112.90600	112.70568	0.12556	ug/L	10/19/10	05:02	
PBW 183043	Cd	-0.08555	-0.10741	-0.06370	36.12738	ug/L	10/19/10	05:02	
PBW 183043	Co	0.52330	0.57678	0.46982	14.45330	ug/L	10/19/10	05:02	
PBW 183043	Cr	-0.12492	0.13579	-0.38564	295.14065	ug/L	10/19/10	05:02	
PBW 183043	Cu	0.73205	0.73746	0.72664	1.04570	ug/L	10/19/10	05:02	
PBW 183043	Fe	66.91911	63.66844	70.16977	6.86969	ug/L	10/19/10	05:02	
PBW 183043	2Fe	0.06691	0.06366	0.07016	6.86973	mg/L	10/19/10	05:02	
PBW 183043	K	31.17821	23.93487	38.42155	32.85509	ug/L	10/19/10	05:02	
PBW 183043	Mg	-2.63561	-5.75630	0.48508	167.44973	ug/L	10/19/10	05:02	
PBW 183043	2Mg	-0.00264	-0.00576	0.00047	166.70791	mg/L	10/19/10	05:02	
PBW 183043	Mn	1.10679	1.05608	1.15750	6.47904	ug/L	10/19/10	05:02	
PBW 183043	Mo	0.35582	1.99863	-1.28697	652.91967	ug/L	10/19/10	05:02	
PBW 183043	Na	75.96585	70.29084	81.64086	10.56485	ug/L	10/19/10	05:02	
PBW 183043	Ni	0.30291	0.85709	-0.25125	258.72448	ug/L	10/19/10	05:02	
PBW 183043	Pb	-0.56378	0.42722	-1.55480	248.58694	ug/L	10/19/10	05:02	
PBW 183043	Se	-2.63622	-1.02589	-4.24655	86.38667	ug/L	10/19/10	05:02	
PBW 183043	Sb	-3.65317	-3.80843	-3.49791	6.01045	ug/L	10/19/10	05:02	
PBW 183043	Sn	15.95805	16.10027	15.81583	1.26035	ug/L	10/19/10	05:02	
PBW 183043	Sr	0.06217	0.11054	0.01380	110.02710	ug/L	10/19/10	05:02	
PBW 183043	Ti	-0.03039	-0.10937	0.04858	367.48019	ug/L	10/19/10	05:02	
PBW 183043	Tl	-5.97334	-12.53350	0.58682	155.31474	ug/L	10/19/10	05:02	
PBW 183043	V	0.23648	-0.22451	0.69749	275.68035	ug/L	10/19/10	05:02	
PBW 183043	Zn	28.74415	28.72863	28.75967	0.07635	ug/L	10/19/10	05:02	
PBW 183043	2203/1	2.61549	3.27225	1.95874	35.51091	ug/L	10/19/10	05:02	
PBW 183043	2203/2	-2.15104	-0.99315	-3.30894	76.12602	ug/L	10/19/10	05:02	
PBW 183043	1960/1	1.39699	3.70567	-0.91168	233.71405	ug/L	10/19/10	05:02	
PBW 183043	1960/2	-4.64981	-3.38813	-5.91148	38.37308	ug/L	10/19/10	05:02	
PBW 183043	Y	968.39550	967.80596	968.98498	0.08608		10/19/10	05:02	
PBW 50	Ag	0.73430	0.76409	0.70451	5.73651	ug/L	10/19/10	05:07	
PBW 50	Al	-2.71397	3.45704	-8.88499	321.56314	ug/L	10/19/10	05:07	
PBW 50	2Al	-0.00271	0.00345	-0.00888	321.56454	mg/L	10/19/10	05:07	
PBW 50	As	2.54244	3.93300	1.15189	77.34832	ug/L	10/19/10	05:07	
PBW 50	B	1.58525	1.72548	1.44501	12.51061	ug/L	10/19/10	05:07	
PBW 50	Ba	0.15295	0.20728	0.09861	50.23727	ug/L	10/19/10	05:07	
PBW 50	Be	-0.02680	-0.00727	-0.04633	103.03801	ug/L	10/19/10	05:07	
PBW 50	Ca	43.56039	43.13057	43.99021	1.39543	ug/L	10/19/10	05:07	
PBW 50	Cd	-0.84958	-0.84136	-0.85779	1.36759	ug/L	10/19/10	05:07	
PBW 50	Co	0.25850	0.74571	-0.22871	266.54458	ug/L	10/19/10	05:07	
PBW 50	Cr	1.73609	2.21547	1.25671	39.05004	ug/L	10/19/10	05:07	
PBW 50	Cu	5.59691	6.54786	4.64596	24.02844	ug/L	10/19/10	05:07	
PBW 50	Fe	97.29160	103.14353	91.43966	8.50627	ug/L	10/19/10	05:07	
PBW 50	2Fe	0.09727	0.10313	0.09142	8.50646	mg/L	10/19/10	05:07	
PBW 50	K	24.49887	27.92513	21.07260	19.77832	ug/L	10/19/10	05:07	
PBW 50	Mg	0.59636	6.94228	-5.74955	1504.85778	ug/L	10/19/10	05:07	
PBW 50	2Mg	0.00057	0.00692	-0.00576	1547.32397	mg/L	10/19/10	05:07	
PBW 50	Mn	1.42889	1.55408	1.30370	12.39058	ug/L	10/19/10	05:07	
PBW 50	Mo	-1.54476	-0.56804	-2.52148	89.41720	ug/L	10/19/10	05:07	
PBW 50	Na	212.23718	223.53018	200.94419	7.52493	ug/L	10/19/10	05:07	
PBW 50	Ni	-0.96491	-0.76172	-1.16811	29.78144	ug/L	10/19/10	05:07	
PBW 50	Pb	-2.00328	-0.75132	-3.25523	88.38153	ug/L	10/19/10	05:07	
PBW 50	Se	-3.28877	1.19184	-7.76938	192.67242	ug/L	10/19/10	05:07	
PBW 50	Sb	-10.35008	-7.50019	-13.19997	38.94026	ug/L	10/19/10	05:07	
PBW 50	Sn	21.19958	23.22237	19.17680	13.49391	ug/L	10/19/10	05:07	
PBW 50	Sr	0.05713	0.08147	0.03280	60.23336	ug/L	10/19/10	05:07	
PBW 50	Ti	-0.08624	-0.08605	-0.08643	0.30427	ug/L	10/19/10	05:07	
PBW 50	Tl	-9.98783	-12.56938	-7.40629	36.55298	ug/L	10/19/10	05:07	
PBW 50	V	-0.68571	-0.83835	-0.53308	31.47989	ug/L	10/19/10	05:07	
PBW 50	Zn	11.75584	11.87914	11.63255	1.48322	ug/L	10/19/10	05:07	
PBW 50	2203/1	-1.99696	-0.21177	-3.78215	126.42399	ug/L	10/19/10	05:07	
PBW 50	2203/2	-2.00643	-1.02069	-2.99217	69.47850	ug/L	10/19/10	05:07	
PBW 50	1960/1	-0.67204	0.29980	-1.64389	204.50985	ug/L	10/19/10	05:07	
PBW 50	1960/2	-4.59516	1.63720	-10.82754	191.80810	ug/L	10/19/10	05:07	
PBW 50	Y	951.90747	953.02795	950.78698	0.16646		10/19/10	05:07	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	46.89913	47.30649	46.49176	1.22838	ug/L	10/19/10	05:13	
LCSW-1	Al	2107.08349	2110.48706	2103.67968	0.22844	ug/L	10/19/10	05:13	
LCSW-1	2Al	2.10711	2.11041	2.10381	0.22151	mg/L	10/19/10	05:13	
LCSW-1	As	2103.03613	2100.14526	2105.92675	0.19439	ug/L	10/19/10	05:13	
LCSW-1	B	1015.42736	1012.00103	1018.85375	0.47719	ug/L	10/19/10	05:13	
LCSW-1	Ba	2142.80419	2142.49096	2143.11767	0.02068	ug/L	10/19/10	05:13	
LCSW-1	Be	52.82463	52.93298	52.71627	0.29008	ug/L	10/19/10	05:13	
LCSW-1	Ca	5262.77880	5267.68408	5257.87353	0.13181	ug/L	10/19/10	05:13	
LCSW-1	Cd	52.77037	52.48234	53.05839	0.77189	ug/L	10/19/10	05:13	
LCSW-1	Co	537.76562	539.34942	536.18182	0.41650	ug/L	10/19/10	05:13	
LCSW-1	Cr	214.88281	214.96331	214.80230	0.05298	ug/L	10/19/10	05:13	
LCSW-1	Cu	266.30239	266.99743	265.60736	0.36910	ug/L	10/19/10	05:13	
LCSW-1	Fe	1105.99536	1121.31188	1090.67895	1.95848	ug/L	10/19/10	05:13	
LCSW-1	2Fe	1.10608	1.12139	1.09076	1.95815	mg/L	10/19/10	05:13	
LCSW-1	K	4991.32031	4992.13037	4990.50976	0.02295	ug/L	10/19/10	05:13	
LCSW-1	Mg	5245.81445	5249.10644	5242.52246	0.08874	ug/L	10/19/10	05:13	
LCSW-1	2Mg	5.24438	5.24767	5.24109	0.08867	mg/L	10/19/10	05:13	
LCSW-1	Mn	538.96594	539.57360	538.35833	0.15943	ug/L	10/19/10	05:13	
LCSW-1	Mo	511.32492	512.61627	510.03356	0.35715	ug/L	10/19/10	05:13	
LCSW-1	Na	5312.64746	5129.10839	5496.18701	4.88577	ug/L	10/19/10	05:13	
LCSW-1	Ni	528.98388	529.55731	528.41046	0.15330	ug/L	10/19/10	05:13	
LCSW-1	Pb	536.54803	536.21228	536.88378	0.08849	ug/L	10/19/10	05:13	
LCSW-1	Se	2092.54296	2091.76269	2093.32299	0.05272	ug/L	10/19/10	05:13	
LCSW-1	Sb	505.69995	505.19775	506.20211	0.14043	ug/L	10/19/10	05:13	
LCSW-1	Sn	1048.45654	1046.80468	1050.10852	0.22281	ug/L	10/19/10	05:13	
LCSW-1	Sr	524.56414	525.42956	523.69873	0.23331	ug/L	10/19/10	05:13	
LCSW-1	Ti	1029.10815	1028.77148	1029.44482	0.04626	ug/L	10/19/10	05:13	
LCSW-1	Tl	2147.61181	2151.92846	2143.29516	0.28425	ug/L	10/19/10	05:13	
LCSW-1	V	532.55688	532.98718	532.12658	0.11426	ug/L	10/19/10	05:13	
LCSW-1	Zn	544.72863	545.06359	544.39361	0.08696	ug/L	10/19/10	05:13	
LCSW-1	2203/1	540.82049	544.11590	537.52508	0.86173	ug/L	10/19/10	05:13	
LCSW-1	2203/2	534.41503	532.26635	536.56365	0.56859	ug/L	10/19/10	05:13	
LCSW-1	1960/1	2136.21337	2133.69970	2138.72705	0.16640	ug/L	10/19/10	05:13	
LCSW-1	1960/2	2070.73974	2070.82495	2070.65429	0.00582	ug/L	10/19/10	05:13	
LCSW-1	Y	970.43847	969.54296	971.33398	0.13050		10/19/10	05:13	
62145-1	Ag	56.44232	55.82662	57.05802	1.54269	ug/L	10/19/10	05:18	
62145-1	Al	65272.98437	65146.87109	65399.10156	0.27324	ug/L	10/19/10	05:18	
62145-1	2Al	65.27213	65.14449	65.39977	0.27654	mg/L	10/19/10	05:18	
62145-1	As	26.24797	26.20522	26.29072	0.23035	ug/L	10/19/10	05:18	
62145-1	B	63.89560	64.83654	62.95467	2.08258	ug/L	10/19/10	05:18	
62145-1	Ba	1404.93652	1403.28564	1406.58728	0.16617	ug/L	10/19/10	05:18	
62145-1	Be	3.44317	3.41361	3.47274	1.21437	ug/L	10/19/10	05:18	
62145-1	Ca	101554.53125	101508.09375	101600.96093	0.06466	ug/L	10/19/10	05:18	
62145-1	Cd	158.81240	159.48178	158.14305	0.59606	ug/L	10/19/10	05:18	
62145-1	Co	54.15526	54.26216	54.04836	0.27916	ug/L	10/19/10	05:18	
62145-1	Cr	3307.63940	3306.38891	3308.88989	0.05346	ug/L	10/19/10	05:18	
62145-1	Cu	2238.65844	2236.44409	2240.87280	0.13988	ug/L	10/19/10	05:18	
62145-1	Fe	428604.56250	428266.15625	428943.00000	0.11166	ug/L	10/19/10	05:18	
62145-1	2Fe	428.51611	428.16809	428.86413	0.11485	mg/L	10/19/10	05:18	
62145-1	K	4014.08081	3995.39379	4032.76782	0.65836	ug/L	10/19/10	05:18	
62145-1	Mg	30600.91015	30571.84179	30629.97851	0.13433	ug/L	10/19/10	05:18	
62145-1	2Mg	30.51716	30.48663	30.54769	0.14148	mg/L	10/19/10	05:18	
62145-1	Mn	3889.31469	3886.47998	3892.14941	0.10307	ug/L	10/19/10	05:18	
62145-1	Mo	111.45043	114.36101	108.53985	3.69328	ug/L	10/19/10	05:18	
62145-1	Na	1514.69116	1479.54089	1549.84130	3.28185	ug/L	10/19/10	05:18	
62145-1	Ni	154.56723	153.95565	155.17880	0.55955	ug/L	10/19/10	05:18	
62145-1	Pb	9015.28906	9008.77343	9021.80371	0.10220	ug/L	10/19/10	05:18	
62145-1	Se	6.04931	9.64679	2.45184	84.10206	ug/L	10/19/10	05:18	
62145-1	Sb	44.90312	44.85620	44.95005	0.14778	ug/L	10/19/10	05:18	
62145-1	Sn	132.06027	130.73822	133.38232	1.41576	ug/L	10/19/10	05:18	
62145-1	Sr	1508.64135	1505.99951	1511.28320	0.24764	ug/L	10/19/10	05:18	
62145-1	Ti	5349.87597	5345.05908	5354.69238	0.12732	ug/L	10/19/10	05:18	
62145-1	Tl	-5.08259	0.97750	-11.14269	168.61997	ug/L	10/19/10	05:18	
62145-1	V	196.45968	195.45205	197.46733	0.72534	ug/L	10/19/10	05:18	
62145-1	Zn	3017.47070	3015.73583	3019.20556	0.08130	ug/L	10/19/10	05:18	
62145-1	2203/1	9046.95507	9036.32714	9057.58300	0.16613	ug/L	10/19/10	05:18	
62145-1	2203/2	8999.47851	8995.01660	9003.94042	0.07011	ug/L	10/19/10	05:18	
62145-1	1960/1	9.71263	16.00423	3.42104	91.60911	ug/L	10/19/10	05:18	
62145-1	1960/2	4.22040	6.47284	1.96796	75.47682	ug/L	10/19/10	05:18	
62145-1	Y	985.13098	985.96795	984.29394	0.12015		10/19/10	05:18	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62145-1L	Ag	11.50868	11.53711	11.48026	0.34933	ug/L	10/19/10	05:23	
62145-1L	Al	13382.45703	13425.07519	13339.83984	0.45036	ug/L	10/19/10	05:23	
62145-1L	2Al	13.38200	13.42472	13.33928	0.45146	mg/L	10/19/10	05:23	
62145-1L	As	4.73710	4.38806	5.08615	10.42039	ug/L	10/19/10	05:23	
62145-1L	B	13.86038	14.74567	12.97509	9.03283	ug/L	10/19/10	05:23	
62145-1L	Ba	283.99645	284.64624	283.34671	0.32356	ug/L	10/19/10	05:23	
62145-1L	Be	0.69026	0.69530	0.68522	1.03266	ug/L	10/19/10	05:23	
62145-1L	Ca	20305.31445	20354.64257	20255.98632	0.34355	ug/L	10/19/10	05:23	
62145-1L	Cd	32.02404	31.91827	32.12982	0.46712	ug/L	10/19/10	05:23	
62145-1L	Co	11.45031	11.37951	11.52111	0.87439	ug/L	10/19/10	05:23	
62145-1L	Cr	670.87048	672.89782	668.84307	0.42737	ug/L	10/19/10	05:23	
62145-1L	Cu	444.91479	446.60797	443.22158	0.53820	ug/L	10/19/10	05:23	
62145-1L	Fe	86664.53125	86894.06250	86435.00000	0.37455	ug/L	10/19/10	05:23	
62145-1L	2Fe	86.64572	86.87520	86.41623	0.37455	mg/L	10/19/10	05:23	
62145-1L	K	780.60571	786.68750	774.52386	1.10183	ug/L	10/19/10	05:23	
62145-1L	Mg	6200.20117	6215.24267	6185.15917	0.34308	ug/L	10/19/10	05:23	
62145-1L	2Mg	6.18357	6.19857	6.16857	0.34301	mg/L	10/19/10	05:23	
62145-1L	Mn	789.55725	791.62463	787.48992	0.37029	ug/L	10/19/10	05:23	
62145-1L	Mo	21.60314	21.56448	21.64180	0.25310	ug/L	10/19/10	05:23	
62145-1L	Na	388.83990	463.65115	314.02868	27.20889	ug/L	10/19/10	05:23	
62145-1L	Ni	31.01900	31.04775	30.99026	0.13104	ug/L	10/19/10	05:23	
62145-1L	Pb	1833.24426	1845.86132	1820.62719	0.97331	ug/L	10/19/10	05:23	
62145-1L	Se	1.75225	-3.33296	6.83748	410.41885	ug/L	10/19/10	05:23	
62145-1L	Sb	6.72065	5.76174	7.67956	20.17804	ug/L	10/19/10	05:23	
62145-1L	Sn	28.62574	27.62470	29.62679	4.94550	ug/L	10/19/10	05:23	
62145-1L	Sr	306.31176	307.55450	305.06906	0.57375	ug/L	10/19/10	05:23	
62145-1L	Ti	1081.32678	1083.92053	1078.73303	0.33922	ug/L	10/19/10	05:23	
62145-1L	Tl	-8.59429	-5.97237	-11.21622	43.14445	ug/L	10/19/10	05:23	
62145-1L	V	39.86972	39.66202	40.07742	0.73671	ug/L	10/19/10	05:23	
62145-1L	Zn	612.41528	613.29803	611.53259	0.20384	ug/L	10/19/10	05:23	
62145-1L	2203/1	1834.07104	1845.85241	1822.28979	0.90843	ug/L	10/19/10	05:23	
62145-1L	2203/2	1832.83142	1845.86572	1819.79711	1.00572	ug/L	10/19/10	05:23	
62145-1L	1960/1	6.11437	2.58037	9.64836	81.73894	ug/L	10/19/10	05:23	
62145-1L	1960/2	-0.42553	-6.28520	5.43414	1947.41223	ug/L	10/19/10	05:23	
62145-1L	Y	973.16101	970.80297	975.51898	0.34266		10/19/10	05:23	
62145-1A	Ag	99.68211	100.14076	99.22344	0.65071	ug/L	10/19/10	05:28	
62145-1A	Al	65856.40625	65816.71875	65896.09375	0.08522	ug/L	10/19/10	05:28	
62145-1A	2Al	65.85506	65.81659	65.89353	0.08260	mg/L	10/19/10	05:28	
62145-1A	As	2025.76489	2021.21069	2030.31909	0.31793	ug/L	10/19/10	05:28	
62145-1A	B	942.93164	940.63885	945.22448	0.34387	ug/L	10/19/10	05:28	
62145-1A	Ba	3378.68261	3375.30615	3382.05908	0.14132	ug/L	10/19/10	05:28	
62145-1A	Be	53.48897	53.40928	53.56866	0.21068	ug/L	10/19/10	05:28	
62145-1A	Ca	104116.48437	103982.08593	104250.88281	0.18255	ug/L	10/19/10	05:28	
62145-1A	Cd	204.80868	204.29566	205.32170	0.35423	ug/L	10/19/10	05:28	
62145-1A	Co	556.48303	555.48535	557.48071	0.25354	ug/L	10/19/10	05:28	
62145-1A	Cr	3441.04394	3432.32275	3449.76538	0.35843	ug/L	10/19/10	05:28	
62145-1A	Cu	2444.68237	2442.81005	2446.55468	0.10831	ug/L	10/19/10	05:28	
62145-1A	Fe	420354.81250	419726.78125	420982.81250	0.21128	ug/L	10/19/10	05:28	
62145-1A	2Fe	420.26623	419.64666	420.88580	0.20848	mg/L	10/19/10	05:28	
62145-1A	K	8598.08789	8592.43945	8603.73535	0.09289	ug/L	10/19/10	05:28	
62145-1A	Mg	34540.13281	34498.82421	34581.44531	0.16914	ug/L	10/19/10	05:28	
62145-1A	2Mg	34.45692	34.41726	34.49657	0.16276	mg/L	10/19/10	05:28	
62145-1A	Mn	4318.33203	4311.33886	4325.32568	0.22902	ug/L	10/19/10	05:28	
62145-1A	Mo	540.06213	538.53021	541.59405	0.40115	ug/L	10/19/10	05:28	
62145-1A	Na	5769.59326	5768.11181	5771.07470	0.03631	ug/L	10/19/10	05:28	
62145-1A	Ni	646.10369	644.52056	647.68682	0.34652	ug/L	10/19/10	05:28	
62145-1A	Pb	9301.83398	9299.33496	9304.33203	0.03798	ug/L	10/19/10	05:28	
62145-1A	Se	1991.11779	1987.74365	1994.49194	0.23965	ug/L	10/19/10	05:28	
62145-1A	Sb	524.97711	516.43524	533.51898	2.30105	ug/L	10/19/10	05:28	
62145-1A	Sn	1012.25891	1010.21514	1014.30273	0.28553	ug/L	10/19/10	05:28	
62145-1A	Sr	1914.34020	1908.20910	1920.47131	0.45293	ug/L	10/19/10	05:28	
62145-1A	Ti	6121.37792	6114.30224	6128.45312	0.16346	ug/L	10/19/10	05:28	
62145-1A	Tl	2012.60327	2012.92126	2012.28515	0.02234	ug/L	10/19/10	05:28	
62145-1A	V	689.85217	688.12957	691.57476	0.35313	ug/L	10/19/10	05:28	
62145-1A	Zn	3456.47045	3452.52490	3460.41601	0.16143	ug/L	10/19/10	05:28	
62145-1A	2203/1	9342.90820	9322.71093	9363.10644	0.30572	ug/L	10/19/10	05:28	
62145-1A	2203/2	9281.32714	9287.66503	9274.98925	0.09657	ug/L	10/19/10	05:28	
62145-1A	1960/1	2032.10388	2024.81030	2039.39746	0.50758	ug/L	10/19/10	05:28	
62145-1A	1960/2	1970.65551	1969.23815	1972.07287	0.10171	ug/L	10/19/10	05:28	
62145-1A	Y	982.61547	981.63897	983.59197	0.14054		10/19/10	05:28	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62145-1S	Ag	88.32897	88.84136	87.81658	0.82037	ug/L	10/19/10	05:34	
62145-1S	Al	66880.96093	66914.17968	66847.74218	0.07024	ug/L	10/19/10	05:34	
62145-1S	2Al	66.88027	66.91247	66.84808	0.06807	mg/L	10/19/10	05:34	
62145-1S	As	1961.88525	1963.14294	1960.62768	0.09065	ug/L	10/19/10	05:34	
62145-1S	B	970.31182	969.24908	971.37457	0.15489	ug/L	10/19/10	05:34	
62145-1S	Ba	3559.93652	3562.76245	3557.11059	0.11226	ug/L	10/19/10	05:34	
62145-1S	Be	52.45013	52.51056	52.38970	0.16293	ug/L	10/19/10	05:34	
62145-1S	Ca	33763.36718	33798.16406	33728.56640	0.14575	ug/L	10/19/10	05:34	
62145-1S	Cd	158.64089	159.23556	158.04623	0.53011	ug/L	10/19/10	05:34	
62145-1S	Co	550.25817	550.93621	549.58020	0.17425	ug/L	10/19/10	05:34	
62145-1S	Cr	8420.55078	8431.75585	8409.34570	0.18818	ug/L	10/19/10	05:34	
62145-1S	Cu	1817.05554	1816.96679	1817.14428	0.00690	ug/L	10/19/10	05:34	
62145-1S	Fe	459169.75000	459804.15625	458535.34375	0.19539	ug/L	10/19/10	05:34	
62145-1S	2Fe	459.07736	459.70458	458.45013	0.19322	mg/L	10/19/10	05:34	
62145-1S	K	8322.95312	8329.09960	8316.80566	0.10444	ug/L	10/19/10	05:34	
62145-1S	Mg	30028.16406	30062.73437	29993.59570	0.16280	ug/L	10/19/10	05:34	
62145-1S	2Mg	29.94195	29.97641	29.90750	0.16273	mg/L	10/19/10	05:34	
62145-1S	Mn	6554.90234	6563.99560	6545.80957	0.19618	ug/L	10/19/10	05:34	
62145-1S	Mo	542.06811	545.68762	538.44860	0.94430	ug/L	10/19/10	05:34	
62145-1S	Na	5830.25488	5735.74316	5924.76611	2.29251	ug/L	10/19/10	05:34	
62145-1S	Ni	632.22918	632.39349	632.06488	0.03675	ug/L	10/19/10	05:34	
62145-1S	Pb	11328.04687	11320.55957	11335.53417	0.09347	ug/L	10/19/10	05:34	
62145-1S	Se	1927.14501	1921.88659	1932.40332	0.38587	ug/L	10/19/10	05:34	
62145-1S	Sb	512.84265	521.36138	504.32394	2.34912	ug/L	10/19/10	05:34	
62145-1S	Sn	1070.50915	1072.52282	1068.49548	0.26601	ug/L	10/19/10	05:34	
62145-1S	Sr	8881.84765	8878.37207	8885.32226	0.05533	ug/L	10/19/10	05:34	
62145-1S	Ti	4655.95068	4658.52685	4653.37451	0.07824	ug/L	10/19/10	05:34	
62145-1S	Tl	1931.91088	1932.47119	1931.35058	0.04101	ug/L	10/19/10	05:34	
62145-1S	V	622.01757	624.71582	619.31933	0.61346	ug/L	10/19/10	05:34	
62145-1S	Zn	2732.53149	2735.61572	2729.44726	0.15962	ug/L	10/19/10	05:34	
62145-1S	2203/1	11418.78808	11428.37988	11409.19628	0.11879	ug/L	10/19/10	05:34	
62145-1S	2203/2	11282.74414	11266.72949	11298.75781	0.20072	ug/L	10/19/10	05:34	
62145-1S	1960/1	1973.17126	1972.82519	1973.51733	0.02480	ug/L	10/19/10	05:34	
62145-1S	1960/2	1904.16625	1896.45544	1911.87707	0.57267	ug/L	10/19/10	05:34	
62145-1S	Y	978.65545	978.64196	978.66894	0.00194		10/19/10	05:34	
62145-1SD	Ag	119.88277	121.31621	118.44933	1.69097	ug/L	10/19/10	05:39	
62145-1SD	Al	60752.47656	61215.09765	60289.85546	1.07690	ug/L	10/19/10	05:39	
62145-1SD	2Al	60.75399	61.21662	60.29136	1.07690	mg/L	10/19/10	05:39	
62145-1SD	As	2099.33227	2118.32592	2080.33862	1.27950	ug/L	10/19/10	05:39	
62145-1SD	B	1069.41821	1077.98144	1060.85510	1.13240	ug/L	10/19/10	05:39	
62145-1SD	Ba	4076.96801	4109.45068	4044.48535	1.12675	ug/L	10/19/10	05:39	
62145-1SD	Be	55.16979	55.67361	54.66598	1.29147	ug/L	10/19/10	05:39	
62145-1SD	Ca	52327.15234	52764.32031	51889.98437	1.18150	ug/L	10/19/10	05:39	
62145-1SD	Cd	235.62063	237.47392	233.76733	1.11236	ug/L	10/19/10	05:39	
62145-1SD	Co	581.16229	587.88446	574.44012	1.63578	ug/L	10/19/10	05:39	
62145-1SD	Cr	5375.91406	5428.98486	5322.84277	1.39611	ug/L	10/19/10	05:39	
62145-1SD	Cu	3945.04589	3980.16235	3909.92919	1.25885	ug/L	10/19/10	05:39	
62145-1SD	Fe	585709.93750	591255.00000	580164.87500	1.33887	ug/L	10/19/10	05:39	
62145-1SD	2Fe	585.61206	591.15625	580.06787	1.33888	mg/L	10/19/10	05:39	
62145-1SD	K	9376.45898	9391.94140	9360.97656	0.23351	ug/L	10/19/10	05:39	
62145-1SD	Mg	26517.26171	26745.82812	26288.69335	1.21899	ug/L	10/19/10	05:39	
62145-1SD	2Mg	26.40884	26.63638	26.18129	1.21852	mg/L	10/19/10	05:39	
62145-1SD	Mn	4470.49511	4511.15527	4429.83496	1.28625	ug/L	10/19/10	05:39	
62145-1SD	Mo	645.08166	651.23321	638.93011	1.34860	ug/L	10/19/10	05:39	
62145-1SD	Na	6618.24414	6634.63427	6601.85400	0.35023	ug/L	10/19/10	05:39	
62145-1SD	Ni	711.97631	715.80328	708.14929	0.76016	ug/L	10/19/10	05:39	
62145-1SD	Pb	18148.78906	18253.10937	18044.47070	0.81289	ug/L	10/19/10	05:39	
62145-1SD	Se	2047.20434	2057.71337	2036.69519	0.72597	ug/L	10/19/10	05:39	
62145-1SD	Sb	561.01501	566.61523	555.41473	1.41171	ug/L	10/19/10	05:39	
62145-1SD	Sn	1211.86645	1218.41943	1205.31335	0.76472	ug/L	10/19/10	05:39	
62145-1SD	Sr	2844.00781	2869.40063	2818.61523	1.26267	ug/L	10/19/10	05:39	
62145-1SD	Ti	5668.15136	5717.37792	5618.92529	1.22820	ug/L	10/19/10	05:39	
62145-1SD	Tl	2067.97485	2090.24072	2045.70886	1.52268	ug/L	10/19/10	05:39	
62145-1SD	V	712.19281	719.05340	705.33221	1.36232	ug/L	10/19/10	05:39	
62145-1SD	Zn	4160.81982	4200.92578	4120.71386	1.36315	ug/L	10/19/10	05:39	
62145-1SD	2203/1	18270.55859	18333.06835	18208.04687	0.48385	ug/L	10/19/10	05:39	
62145-1SD	2203/2	18087.99804	18213.19140	17962.80468	0.97882	ug/L	10/19/10	05:39	
62145-1SD	1960/1	2095.83935	2105.21557	2086.46313	0.63268	ug/L	10/19/10	05:39	
62145-1SD	1960/2	2022.92333	2033.99804	2011.84851	0.77423	ug/L	10/19/10	05:39	
62145-1SD	Y	958.05895	951.52496	964.59295	0.96449		10/19/10	05:39	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62146-1	Ag	0.28278	1.27329	-0.70773	495.36306	ug/L	10/19/10	05:44	
62146-1	Al	58096.23828	58051.77734	58140.69921	0.10822	ug/L	10/19/10	05:44	
62146-1	2Al	58.09917	58.05522	58.14312	0.10698	mg/L	10/19/10	05:44	
62146-1	As	6.69777	7.19670	6.19883	10.53484	ug/L	10/19/10	05:44	
62146-1	B	12.80515	13.16656	12.44374	3.99141	ug/L	10/19/10	05:44	
62146-1	Ba	146.65817	146.62858	146.68777	0.02853	ug/L	10/19/10	05:44	
62146-1	Be	2.51410	2.54113	2.48706	1.52083	ug/L	10/19/10	05:44	
62146-1	Ca	8153.70507	8159.87109	8147.53857	0.10695	ug/L	10/19/10	05:44	
62146-1	Cd	0.12423	0.12991	0.11856	6.45905	ug/L	10/19/10	05:44	
62146-1	Co	31.94931	32.32027	31.57834	1.64206	ug/L	10/19/10	05:44	
62146-1	Cr	83.22660	83.13079	83.32240	0.16279	ug/L	10/19/10	05:44	
62146-1	Cu	45.09033	45.70689	44.47376	1.93379	ug/L	10/19/10	05:44	
62146-1	Fe	76696.47656	76722.82812	76670.12500	0.04858	ug/L	10/19/10	05:44	
62146-1	2Fe	76.68612	76.71313	76.65911	0.04980	mg/L	10/19/10	05:44	
62146-1	K	11469.96289	11450.63964	11489.28515	0.23824	ug/L	10/19/10	05:44	
62146-1	Mg	21335.35156	21358.43945	21312.26171	0.15304	ug/L	10/19/10	05:44	
62146-1	2Mg	21.31649	21.33957	21.29341	0.15310	mg/L	10/19/10	05:44	
62146-1	Mn	1427.50585	1428.13830	1426.87329	0.06266	ug/L	10/19/10	05:44	
62146-1	Mo	2.24978	2.23939	2.26017	0.65298	ug/L	10/19/10	05:44	
62146-1	Na	1313.72314	1377.04003	1250.40625	6.81601	ug/L	10/19/10	05:44	
62146-1	Ni	75.05813	75.14689	74.96938	0.16723	ug/L	10/19/10	05:44	
62146-1	Pb	24.21302	23.34534	25.08069	5.06783	ug/L	10/19/10	05:44	
62146-1	Se	3.71691	5.29500	2.13883	60.04303	ug/L	10/19/10	05:44	
62146-1	Sb	1.71834	4.54183	-1.10514	232.37576	ug/L	10/19/10	05:44	
62146-1	Sn	22.78921	27.86356	17.71485	31.48955	ug/L	10/19/10	05:44	
62146-1	Sr	41.38574	41.40195	41.36953	0.05538	ug/L	10/19/10	05:44	
62146-1	Ti	4952.33349	4951.79492	4952.87207	0.01537	ug/L	10/19/10	05:44	
62146-1	Tl	1.99328	5.88782	-1.90124	276.31250	ug/L	10/19/10	05:44	
62146-1	V	148.24633	148.44309	148.04956	0.18771	ug/L	10/19/10	05:44	
62146-1	Zn	171.04293	171.42173	170.66413	0.31319	ug/L	10/19/10	05:44	
62146-1	2203/1	32.32294	33.23773	31.40814	4.00248	ug/L	10/19/10	05:44	
62146-1	2203/2	20.16413	18.40656	21.92171	12.32676	ug/L	10/19/10	05:44	
62146-1	1960/1	8.27029	14.94173	1.59884	114.08121	ug/L	10/19/10	05:44	
62146-1	1960/2	1.44364	0.47886	2.40842	94.51073	ug/L	10/19/10	05:44	
62146-1	Y	977.99847	982.68298	973.31396	0.67739		10/19/10	05:44	
62146-2	Ag	0.80379	1.10350	0.50408	52.73104	ug/L	10/19/10	05:49	
62146-2	Al	61192.21093	61049.23046	61335.19140	0.33044	ug/L	10/19/10	05:49	
62146-2	2Al	61.19205	61.04897	61.33512	0.33066	mg/L	10/19/10	05:49	
62146-2	As	16.39219	14.14495	18.63943	19.38773	ug/L	10/19/10	05:49	
62146-2	B	13.42860	13.37306	13.48414	0.58489	ug/L	10/19/10	05:49	
62146-2	Ba	256.19308	255.87675	256.50942	0.17462	ug/L	10/19/10	05:49	
62146-2	Be	2.66726	2.69357	2.64095	1.39505	ug/L	10/19/10	05:49	
62146-2	Ca	21765.33203	21752.01757	21778.64843	0.08651	ug/L	10/19/10	05:49	
62146-2	Cd	0.25783	0.58700	-0.07132	180.54421	ug/L	10/19/10	05:49	
62146-2	Co	47.91577	48.25582	47.57572	1.00363	ug/L	10/19/10	05:49	
62146-2	Cr	133.48011	134.19705	132.76318	0.75958	ug/L	10/19/10	05:49	
62146-2	Cu	103.63769	103.92260	103.35278	0.38878	ug/L	10/19/10	05:49	
62146-2	Fe	105404.26562	105326.55468	105481.97656	0.10426	ug/L	10/19/10	05:49	
62146-2	2Fe	105.38441	105.30673	105.46209	0.10424	mg/L	10/19/10	05:49	
62146-2	K	18176.25781	18145.84765	18206.66601	0.23660	ug/L	10/19/10	05:49	
62146-2	Mg	29757.20312	29754.72460	29759.67968	0.01177	ug/L	10/19/10	05:49	
62146-2	2Mg	29.73107	29.72860	29.73353	0.01171	mg/L	10/19/10	05:49	
62146-2	Mn	1754.58972	1753.26696	1755.91247	0.10661	ug/L	10/19/10	05:49	
62146-2	Mo	3.76057	3.79588	3.72525	1.32810	ug/L	10/19/10	05:49	
62146-2	Na	2438.66992	2369.44653	2507.89306	4.01433	ug/L	10/19/10	05:49	
62146-2	Ni	101.23085	101.27277	101.18894	0.05855	ug/L	10/19/10	05:49	
62146-2	Pb	28.24575	27.26324	29.22826	4.91925	ug/L	10/19/10	05:49	
62146-2	Se	-0.96111	0.31171	-2.23393	187.28765	ug/L	10/19/10	05:49	
62146-2	Sb	-5.73145	-0.26209	-11.20081	134.95414	ug/L	10/19/10	05:49	
62146-2	Sn	24.55378	22.84846	26.25910	9.82205	ug/L	10/19/10	05:49	
62146-2	Sr	101.93681	101.90057	101.97304	0.05027	ug/L	10/19/10	05:49	
62146-2	Ti	6737.84130	6729.23876	6746.44384	0.18055	ug/L	10/19/10	05:49	
62146-2	Tl	-3.95813	-0.08433	-7.83192	138.40803	ug/L	10/19/10	05:49	
62146-2	V	192.03009	191.99874	192.06144	0.02308	ug/L	10/19/10	05:49	
62146-2	Zn	230.45504	230.45874	230.45135	0.00226	ug/L	10/19/10	05:49	
62146-2	2203/1	30.99300	31.07280	30.91319	0.36414	ug/L	10/19/10	05:49	
62146-2	2203/2	26.87418	25.36131	28.38705	7.96125	ug/L	10/19/10	05:49	
62146-2	1960/1	14.30434	15.09702	13.51166	7.83691	ug/L	10/19/10	05:49	
62146-2	1960/2	-8.58239	-7.06986	-10.09492	24.92361	ug/L	10/19/10	05:49	
62146-2	Y	972.69299	975.36596	970.01995	0.38863		10/19/10	05:49	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	503.28448	504.17687	502.39212	0.25075	ug/L	10/19/10	05:54	
CCV	Al	5104.72558	5106.72460	5102.72705	0.05537	ug/L	10/19/10	05:54	
CCV	2Al	5.10481	5.10680	5.10281	0.05537	mg/L	10/19/10	05:54	
CCV	As	502.54064	504.98266	500.09863	0.68721	ug/L	10/19/10	05:54	
CCV	B	5017.62207	5017.66455	5017.57958	0.00119	ug/L	10/19/10	05:54	
CCV	Ba	5038.61865	5046.87792	5030.35937	0.23181	ug/L	10/19/10	05:54	
CCV	Be	501.23712	501.77307	500.70114	0.15121	ug/L	10/19/10	05:54	
CCV	Ca	5008.89257	5013.23730	5004.54833	0.12266	ug/L	10/19/10	05:54	
CCV	Cd	493.14953	494.39404	491.90505	0.35688	ug/L	10/19/10	05:54	
CCV	Co	504.97106	506.08953	503.85263	0.31323	ug/L	10/19/10	05:54	
CCV	Cr	5018.61230	5025.91699	5011.30712	0.20584	ug/L	10/19/10	05:54	
CCV	Cu	5058.02294	5066.39990	5049.64599	0.23421	ug/L	10/19/10	05:54	
CCV	Fe	5018.76611	4996.58447	5040.94775	0.62504	ug/L	10/19/10	05:54	
CCV	2Fe	5.01877	4.99659	5.04094	0.62493	mg/L	10/19/10	05:54	
CCV	K	10027.15039	10042.85546	10011.44531	0.22150	ug/L	10/19/10	05:54	
CCV	Mg	5117.58740	5118.22900	5116.94580	0.01773	ug/L	10/19/10	05:54	
CCV	2Mg	5.11758	5.11823	5.11693	0.01796	mg/L	10/19/10	05:54	
CCV	Mn	5066.40917	5076.29931	5056.51953	0.27606	ug/L	10/19/10	05:54	
CCV	Mo	489.48901	489.29391	489.68414	0.05637	ug/L	10/19/10	05:54	
CCV	Na	7538.31835	7526.52246	7550.11376	0.22129	ug/L	10/19/10	05:54	
CCV	Ni	2503.86840	2505.65869	2502.07812	0.10111	ug/L	10/19/10	05:54	
CCV	Pb	502.78558	501.48104	504.09008	0.36692	ug/L	10/19/10	05:54	
CCV	Se	4947.48730	4943.20507	4951.77001	0.12241	ug/L	10/19/10	05:54	
CCV	Sb	492.36849	488.91772	495.81927	0.99115	ug/L	10/19/10	05:54	
CCV	Sn	5008.30615	5014.89892	5001.71337	0.18616	ug/L	10/19/10	05:54	
CCV	Sr	2521.05712	2525.55737	2516.55712	0.25243	ug/L	10/19/10	05:54	
CCV	Ti	507.22198	507.58081	506.86315	0.10004	ug/L	10/19/10	05:54	
CCV	Tl	4960.45654	4979.00830	4941.90478	0.52890	ug/L	10/19/10	05:54	
CCV	V	5066.90869	5073.91894	5059.89843	0.19566	ug/L	10/19/10	05:54	
CCV	Zn	2509.80493	2512.64013	2506.96972	0.15975	ug/L	10/19/10	05:54	
CCV	2203/1	504.58877	501.81628	507.36126	0.77704	ug/L	10/19/10	05:54	
CCV	2203/2	501.88531	501.31365	502.45693	0.16107	ug/L	10/19/10	05:54	
CCV	1960/1	5049.39941	5033.25488	5065.54345	0.45216	ug/L	10/19/10	05:54	
CCV	1960/2	4896.60839	4898.24804	4894.96875	0.04735	ug/L	10/19/10	05:54	
CCV	Y	956.67297	955.97094	957.37493	0.10377		10/19/10	05:54	
CCB	Ag	0.35621	0.02017	0.69224	133.41087	ug/L	10/19/10	06:00	
CCB	Al	0.10262	-7.60790	7.81314	10625.71582	ug/L	10/19/10	06:00	
CCB	2Al	0.00010	-0.00760	0.00781	10626.29980	mg/L	10/19/10	06:00	
CCB	As	0.92099	3.44042	-1.59843	386.86621	ug/L	10/19/10	06:00	
CCB	B	9.91206	10.83839	8.98573	13.21645	ug/L	10/19/10	06:00	
CCB	Ba	1.62479	0.39074	2.85884	107.41074	ug/L	10/19/10	06:00	
CCB	Be	0.12418	0.00806	0.24030	132.23576	ug/L	10/19/10	06:00	
CCB	Ca	5.66843	2.51150	8.82536	78.76211	ug/L	10/19/10	06:00	
CCB	Cd	-0.28872	-0.51592	-0.06152	111.28524	ug/L	10/19/10	06:00	
CCB	Co	0.40871	1.00278	-0.18535	205.55567	ug/L	10/19/10	06:00	
CCB	Cr	2.20973	1.23266	3.18680	62.53166	ug/L	10/19/10	06:00	
CCB	Cu	2.73285	2.19554	3.27015	27.80481	ug/L	10/19/10	06:00	
CCB	Fe	10.62920	2.00807	19.25033	114.70397	ug/L	10/19/10	06:00	
CCB	2Fe	0.01062	0.00200	0.01924	114.70066	mg/L	10/19/10	06:00	
CCB	K	4.23910	-2.69966	11.17786	231.48535	ug/L	10/19/10	06:00	
CCB	Mg	-1.05459	-5.77168	3.66248	632.55877	ug/L	10/19/10	06:00	
CCB	2Mg	-0.00105	-0.00577	0.00365	631.78027	mg/L	10/19/10	06:00	
CCB	Mn	1.70475	0.45518	2.95432	103.66031	ug/L	10/19/10	06:00	
CCB	Mo	1.36494	0.63100	2.09888	76.04334	ug/L	10/19/10	06:00	
CCB	Na	-150.29974	-236.43005	-64.16941	81.04250	ug/L	10/19/10	06:00	
CCB	Ni	0.03562	-0.67305	0.74430	2813.30249	ug/L	10/19/10	06:00	
CCB	Pb	-1.30908	-1.29306	-1.32510	1.73057	ug/L	10/19/10	06:00	
CCB	Se	0.13348	-6.39197	6.65894	6913.41894	ug/L	10/19/10	06:00	
CCB	Sb	-6.02226	-3.75749	-8.28703	53.18377	ug/L	10/19/10	06:00	
CCB	Sn	4.59798	3.36377	5.83219	37.96081	ug/L	10/19/10	06:00	
CCB	Sr	0.79048	0.25683	1.32413	95.47286	ug/L	10/19/10	06:00	
CCB	Ti	1.50136	1.02512	1.97759	44.85897	ug/L	10/19/10	06:00	
CCB	Tl	-0.48803	0.63146	-1.60752	324.40652	ug/L	10/19/10	06:00	
CCB	V	0.99670	-0.21821	2.21162	172.38328	ug/L	10/19/10	06:00	
CCB	Zn	1.08941	0.37738	1.80143	92.43143	ug/L	10/19/10	06:00	
CCB	2203/1	-0.44950	-4.17676	3.27775	1172.65063	ug/L	10/19/10	06:00	
CCB	2203/2	-1.73822	0.14662	-3.62308	153.35086	ug/L	10/19/10	06:00	
CCB	1960/1	-0.22550	-3.95349	3.50248	2337.90771	ug/L	10/19/10	06:00	
CCB	1960/2	0.31271	-7.60939	8.23481	3582.69116	ug/L	10/19/10	06:00	
CCB	Y	963.84594	964.16998	963.52197	0.04754		10/19/10	06:00	

C101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61966-1	Ag	92.01556	92.46414	91.56697	0.68944	ug/L	10/19/10	06:05	
61966-1	Al	100509.03125	100480.94531	100537.12500	0.03952	ug/L	10/19/10	06:05	
61966-1	2Al	100.51549	100.48740	100.54358	0.03952	mg/L	10/19/10	06:05	
61966-1	As	13.35713	11.49818	15.21609	19.68200	ug/L	10/19/10	06:05	
61966-1	B	20040.46093	20067.44335	20013.48046	0.19040	ug/L	10/19/10	06:05	
61966-1	Ba	382.25201	382.33535	382.16864	0.03084	ug/L	10/19/10	06:05	
61966-1	Be	1.09881	1.10898	1.08863	1.30940	ug/L	10/19/10	06:05	
61966-1	Ca	176289.87500	176436.53125	176143.23437	0.11764	ug/L	10/19/10	06:05	
61966-1	Cd	136.44143	136.50527	136.37759	0.06617	ug/L	10/19/10	06:05	
61966-1	Co	13.65480	13.03265	14.27696	6.44355	ug/L	10/19/10	06:05	
61966-1	Cr	961.88916	964.08215	959.69622	0.32241	ug/L	10/19/10	06:05	
61966-1	Cu	3459.31616	3460.38598	3458.24633	0.04373	ug/L	10/19/10	06:05	
61966-1	Fe	9777.20117	9808.57714	9745.82519	0.45383	ug/L	10/19/10	06:05	
61966-1	2Fe	9.77596	9.80733	9.74459	0.45383	mg/L	10/19/10	06:05	
61966-1	K	1709.33605	1707.65917	1711.01293	0.13873	ug/L	10/19/10	06:05	
61966-1	Mg	8709.22265	8712.75585	8705.69042	0.05736	ug/L	10/19/10	06:05	
61966-1	2Mg	8.70510	8.70862	8.70157	0.05727	mg/L	10/19/10	06:05	
61966-1	Mn	124.97625	125.10401	124.84851	0.14456	ug/L	10/19/10	06:05	
61966-1	Mo	14.42343	14.34605	14.50081	0.75870	ug/L	10/19/10	06:05	
61966-1	Na	6763.14648	6634.65332	6891.63916	2.68686	ug/L	10/19/10	06:05	
61966-1	Ni	133.12178	133.00460	133.23895	0.12447	ug/L	10/19/10	06:05	
61966-1	Pb	194.15344	194.26991	194.03695	0.08484	ug/L	10/19/10	06:05	
61966-1	Se	-0.98126	1.32056	-3.28309	331.74203	ug/L	10/19/10	06:05	
61966-1	Sb	3741.43750	3746.24560	3736.62939	0.18173	ug/L	10/19/10	06:05	
61966-1	Sn	34.97673	33.50083	36.45264	5.96752	ug/L	10/19/10	06:05	
61966-1	Sr	2421.83691	2428.65234	2415.02148	0.39798	ug/L	10/19/10	06:05	
61966-1	Ti	3144.86938	3146.17333	3143.56542	0.05863	ug/L	10/19/10	06:05	
61966-1	Tl	0.63130	6.91009	-5.64749	1406.54638	ug/L	10/19/10	06:05	
61966-1	V	84.34033	84.28602	84.39464	0.09106	ug/L	10/19/10	06:05	
61966-1	Zn	7280.36914	7293.44775	7267.29101	0.25404	ug/L	10/19/10	06:05	
61966-1	2203/1	203.60861	203.54563	203.67158	0.04373	ug/L	10/19/10	06:05	
61966-1	2203/2	189.43292	189.63899	189.22685	0.15384	ug/L	10/19/10	06:05	
61966-1	1960/1	5.92169	12.02214	-0.17876	145.69049	ug/L	10/19/10	06:05	
61966-1	1960/2	-4.42757	-4.02221	-4.83293	12.94773	ug/L	10/19/10	06:05	
61966-1	Y	942.73645	941.66094	943.81195	0.16133		10/19/10	06:05	
62095-1	Ag	0.68789	0.44670	0.92908	49.58527	ug/L	10/19/10	06:10	
62095-1	Al	8.34309	11.14873	5.53746	47.55746	ug/L	10/19/10	06:10	
62095-1	2Al	0.00834	0.01114	0.00553	47.55746	mg/L	10/19/10	06:10	
62095-1	As	3.12634	4.82433	1.42835	76.80934	ug/L	10/19/10	06:10	
62095-1	B	82.24098	88.97586	75.50608	11.58129	ug/L	10/19/10	06:10	
62095-1	Ba	1.63380	1.49218	1.77542	12.25841	ug/L	10/19/10	06:10	
62095-1	Be	0.00034	-0.05650	0.05720	23084.10742	ug/L	10/19/10	06:10	
62095-1	Ca	1110.79492	1112.57238	1109.01757	0.22629	ug/L	10/19/10	06:10	
62095-1	Cd	0.00097	-0.25542	0.25737	37118.98046	ug/L	10/19/10	06:10	
62095-1	Co	-0.45191	-0.45779	-0.44603	1.84058	ug/L	10/19/10	06:10	
62095-1	Cr	5.28335	6.07922	4.48748	21.30330	ug/L	10/19/10	06:10	
62095-1	Cu	1.02984	1.69473	0.36496	91.30391	ug/L	10/19/10	06:10	
62095-1	Fe	76.86993	75.71632	78.02355	2.12235	ug/L	10/19/10	06:10	
62095-1	2Fe	0.07686	0.07570	0.07801	2.12245	mg/L	10/19/10	06:10	
62095-1	K	63242.75390	63253.77343	63231.73437	0.02464	ug/L	10/19/10	06:10	
62095-1	Mg	1864.28613	1867.08947	1861.48278	0.21265	ug/L	10/19/10	06:10	
62095-1	2Mg	1.86375	1.86655	1.86094	0.21268	mg/L	10/19/10	06:10	
62095-1	Mn	8.59755	8.57394	8.62115	0.38830	ug/L	10/19/10	06:10	
62095-1	Mo	-0.24215	-1.75001	1.26570	880.61322	ug/L	10/19/10	06:10	
62095-1	Na	613.76293	598.52038	629.00549	3.51214	ug/L	10/19/10	06:10	
62095-1	Ni	12.54151	11.92283	13.16018	6.97635	ug/L	10/19/10	06:10	
62095-1	Pb	0.31789	-0.22500	0.86079	241.52162	ug/L	10/19/10	06:10	
62095-1	Se	-6.56658	-8.07737	-5.05580	32.53701	ug/L	10/19/10	06:10	
62095-1	Sb	3.94764	-1.56309	9.45837	197.41810	ug/L	10/19/10	06:10	
62095-1	Sn	19.32707	18.23521	20.41893	7.98943	ug/L	10/19/10	06:10	
62095-1	Sr	1.26585	1.28117	1.25054	1.71128	ug/L	10/19/10	06:10	
62095-1	Ti	1.46657	2.08854	0.84460	59.97663	ug/L	10/19/10	06:10	
62095-1	Tl	-7.60505	-12.06525	-3.14485	82.94052	ug/L	10/19/10	06:10	
62095-1	V	0.12348	-0.27375	0.52071	454.95205	ug/L	10/19/10	06:10	
62095-1	Zn	19.48127	19.76470	19.19784	2.05750	ug/L	10/19/10	06:10	
62095-1	2203/1	6.25396	4.32030	8.18763	43.72613	ug/L	10/19/10	06:10	
62095-1	2203/2	-2.64569	-2.49425	-2.79713	8.09485	ug/L	10/19/10	06:10	
62095-1	1960/1	13.01931	10.22414	15.81449	30.36239	ug/L	10/19/10	06:10	
62095-1	1960/2	-16.34489	-17.21444	-15.47534	7.52365	ug/L	10/19/10	06:10	
62095-1	Y	967.52697	965.26794	969.78594	0.33019		10/19/10	06:10	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62025-1	Ag	3.21934	1.79271	4.64598	62.66989	ug/L	10/19/10	06:15	
62025-1	Al	61.78024	57.90143	65.65904	8.87899	ug/L	10/19/10	06:15	
62025-1	2Al	0.06178	0.05790	0.06566	8.87915	mg/L	10/19/10	06:15	
62025-1	As	56.79231	55.76777	57.81686	2.55126	ug/L	10/19/10	06:15	
62025-1	B	25.00859	26.70549	23.31169	9.59582	ug/L	10/19/10	06:15	
62025-1	Ba	7.10810	7.00865	7.20756	1.97873	ug/L	10/19/10	06:15	
62025-1	Be	0.48370	0.44054	0.52686	12.61893	ug/L	10/19/10	06:15	
62025-1	Ca	1383.56884	1384.91235	1382.22521	0.13733	ug/L	10/19/10	06:15	
62025-1	Cd	2.55743	2.74895	2.36592	10.59055	ug/L	10/19/10	06:15	
62025-1	Co	32.61624	32.04698	33.18548	2.46822	ug/L	10/19/10	06:15	
62025-1	Cr	1948.92846	1950.63378	1947.22314	0.12374	ug/L	10/19/10	06:15	
62025-1	Cu	658.91070	658.32220	659.49920	0.12630	ug/L	10/19/10	06:15	
62025-1	Fe	1106.82812	1132.80297	1080.85314	3.31886	ug/L	10/19/10	06:15	
62025-1	2Fe	1.10669	1.13266	1.08072	3.31879	mg/L	10/19/10	06:15	
62025-1	K	97.78794	88.45378	107.12211	13.49911	ug/L	10/19/10	06:15	
62025-1	Mg	185.42044	185.09170	185.74919	0.25073	ug/L	10/19/10	06:15	
62025-1	2Mg	0.18535	0.18501	0.18568	0.25420	mg/L	10/19/10	06:15	
62025-1	Mn	386.79446	386.90151	386.68740	0.03914	ug/L	10/19/10	06:15	
62025-1	Mo	1.02771	1.78443	0.27099	104.13049	ug/L	10/19/10	06:15	
62025-1	Na	766.88146	783.32269	750.44030	3.03193	ug/L	10/19/10	06:15	
62025-1	Ni	128.85568	129.01062	128.70075	0.17003	ug/L	10/19/10	06:15	
62025-1	Pb	62.30383	62.91310	61.69456	1.38296	ug/L	10/19/10	06:15	
62025-1	Se	-6.05583	-10.94766	-1.16400	114.23840	ug/L	10/19/10	06:15	
62025-1	Sb	0.43579	-3.40750	4.27909	1247.21105	ug/L	10/19/10	06:15	
62025-1	Sn	36.64418	33.43584	39.85251	12.38196	ug/L	10/19/10	06:15	
62025-1	Sr	4.36815	4.33093	4.40537	1.20505	ug/L	10/19/10	06:15	
62025-1	Ti	32.19293	32.43650	31.94937	1.06994	ug/L	10/19/10	06:15	
62025-1	Tl	-3.17847	-2.07850	-4.27844	48.94151	ug/L	10/19/10	06:15	
62025-1	V	136.77145	136.49470	137.04820	0.28615	ug/L	10/19/10	06:15	
62025-1	Zn	429.03515	429.53829	428.53204	0.16584	ug/L	10/19/10	06:15	
62025-1	2203/1	56.29074	55.66714	56.91435	1.56669	ug/L	10/19/10	06:15	
62025-1	2203/2	65.30587	66.53065	64.08108	2.65229	ug/L	10/19/10	06:15	
62025-1	1960/1	-3.84228	-15.71796	8.03338	437.10238	ug/L	10/19/10	06:15	
62025-1	1960/2	-7.16095	-8.56609	-5.75580	27.75008	ug/L	10/19/10	06:15	
62025-1	Y	932.21093	933.86694	930.55493	0.25122		10/19/10	06:15	
62115-1	Ag	35.82707	35.95603	35.69810	0.50907	ug/L	10/19/10	06:22	
62115-1	Al	254815.92187	254508.50000	255123.34375	0.17061	ug/L	10/19/10	06:22	
62115-1	2Al	254.82342	254.52088	255.12594	0.16789	mg/L	10/19/10	06:22	
62115-1	As	13.61285	15.29121	11.93450	17.43610	ug/L	10/19/10	06:22	
62115-1	B	2233.73095	2234.08422	2233.37768	0.02236	ug/L	10/19/10	06:22	
62115-1	Ba	18154.08398	18125.89648	18182.27148	0.21958	ug/L	10/19/10	06:22	
62115-1	Be	7.02857	7.03013	7.02701	0.03136	ug/L	10/19/10	06:22	
62115-1	Ca	1840368.25000	1841834.50000	1838902.12500	0.11266	ug/L	10/19/10	06:22	
62115-1	Cd	118.43093	118.75412	118.10774	0.38592	ug/L	10/19/10	06:22	
62115-1	Co	86.77956	87.84597	85.71315	1.73789	ug/L	10/19/10	06:22	
62115-1	Cr	1673.01672	1673.01367	1673.01977	0.00025	ug/L	10/19/10	06:22	
62115-1	Cu	1340.84155	1340.28833	1341.39465	0.05834	ug/L	10/19/10	06:22	
62115-1	Fe	140323.10937	140337.07812	140309.14062	0.01407	ug/L	10/19/10	06:22	
62115-1	2Fe	140.30107	140.31793	140.28421	0.01699	mg/L	10/19/10	06:22	
62115-1	K	407129.40625	406141.59375	408117.21875	0.34312	ug/L	10/19/10	06:22	
62115-1	Mg	202284.37500	202344.67187	202224.07812	0.04215	ug/L	10/19/10	06:22	
62115-1	2Mg	202.22732	202.29104	202.16361	0.04455	mg/L	10/19/10	06:22	
62115-1	Mn	68930.61718	68891.75000	68969.48437	0.07974	ug/L	10/19/10	06:22	
62115-1	Mo	75.85482	77.03569	74.67395	2.20158	ug/L	10/19/10	06:22	
62115-1	Na	157429.56250	157263.68750	157595.42187	0.14900	ug/L	10/19/10	06:22	
62115-1	Ni	375.35632	376.38415	374.32849	0.38725	ug/L	10/19/10	06:22	
62115-1	Pb	314.38726	316.45010	312.32446	0.92792	ug/L	10/19/10	06:22	
62115-1	Se	32.18207	35.17885	29.18529	13.16911	ug/L	10/19/10	06:22	
62115-1	Sb	3.31956	1.80839	4.83073	64.37946	ug/L	10/19/10	06:22	
62115-1	Sn	26.74078	26.76377	26.71779	0.12157	ug/L	10/19/10	06:22	
62115-1	Sr	8224.33496	8218.78222	8229.88769	0.09548	ug/L	10/19/10	06:22	
62115-1	Ti	19172.03125	19153.60742	19190.45703	0.13590	ug/L	10/19/10	06:22	
62115-1	Tl	-2.56848	-3.74951	-1.38745	65.02770	ug/L	10/19/10	06:22	
62115-1	V	274.56127	273.46343	275.65908	0.56546	ug/L	10/19/10	06:22	
62115-1	Zn	7052.13867	7057.41406	7046.86328	0.10579	ug/L	10/19/10	06:22	
62115-1	2203/1	333.36981	335.12387	331.61575	0.74410	ug/L	10/19/10	06:22	
62115-1	2203/2	304.91024	307.12722	302.69326	1.02826	ug/L	10/19/10	06:22	
62115-1	1960/1	47.50014	58.27760	36.72269	32.08753	ug/L	10/19/10	06:22	
62115-1	1960/2	24.53452	23.64680	25.42224	5.11697	ug/L	10/19/10	06:22	
62115-1	Y	884.00244	886.55395	881.45098	0.40818		10/19/10	06:22	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62115-2	Ag	43.15570	43.54010	42.77130	1.25967	ug/L	10/19/10	06:27	
62115-2	Al	271373.93750	270731.28125	272016.56250	0.33489	ug/L	10/19/10	06:27	
62115-2	2Al	271.36999	270.72244	272.01757	0.33747	mg/L	10/19/10	06:27	
62115-2	As	11.89792	8.27577	15.52007	43.05370	ug/L	10/19/10	06:27	
62115-2	B	2201.11083	2199.06518	2203.15625	0.13142	ug/L	10/19/10	06:27	
62115-2	Ba	18440.81445	18437.79882	18443.83007	0.02312	ug/L	10/19/10	06:27	
62115-2	Be	7.96941	7.94691	7.99191	0.39933	ug/L	10/19/10	06:27	
62115-2	Ca	1878034.37500	1874110.87500	1881957.87500	0.29545	ug/L	10/19/10	06:27	
62115-2	Cd	146.47381	146.46463	146.48301	0.00887	ug/L	10/19/10	06:27	
62115-2	Co	92.53569	91.74484	93.32653	1.20863	ug/L	10/19/10	06:27	
62115-2	Cr	1864.42651	1863.67565	1865.17749	0.05695	ug/L	10/19/10	06:27	
62115-2	Cu	1340.54199	1340.24841	1340.83569	0.03097	ug/L	10/19/10	06:27	
62115-2	Fe	152255.40625	151930.17187	152580.64062	0.30209	ug/L	10/19/10	06:27	
62115-2	2Fe	152.22463	151.89657	152.55271	0.30478	mg/L	10/19/10	06:27	
62115-2	K	433299.34375	433195.09375	433403.59375	0.03402	ug/L	10/19/10	06:27	
62115-2	Mg	196167.43750	195445.62500	196889.23437	0.52036	ug/L	10/19/10	06:27	
62115-2	2Mg	196.10218	195.37713	196.82723	0.52287	mg/L	10/19/10	06:27	
62115-2	Mn	66854.04687	66711.54687	66996.53906	0.30143	ug/L	10/19/10	06:27	
62115-2	Mo	78.00504	77.63452	78.37555	0.67173	ug/L	10/19/10	06:27	
62115-2	Na	174255.68750	174101.75000	174409.60937	0.12492	ug/L	10/19/10	06:27	
62115-2	Ni	636.61206	638.07006	635.15411	0.32388	ug/L	10/19/10	06:27	
62115-2	Pb	402.95367	398.29290	407.61441	1.63574	ug/L	10/19/10	06:27	
62115-2	Se	26.12092	24.67252	27.56932	7.84177	ug/L	10/19/10	06:27	
62115-2	Sb	9.52110	10.85460	8.18760	19.80713	ug/L	10/19/10	06:27	
62115-2	Sn	34.61093	34.90343	34.31843	1.19517	ug/L	10/19/10	06:27	
62115-2	Sr	8361.47460	8351.27832	8371.66992	0.17244	ug/L	10/19/10	06:27	
62115-2	Ti	21322.59179	21301.29492	21343.88867	0.14125	ug/L	10/19/10	06:27	
62115-2	Tl	-0.54078	3.55722	-4.63880	1071.66833	ug/L	10/19/10	06:27	
62115-2	V	298.93405	298.21673	299.65136	0.33935	ug/L	10/19/10	06:27	
62115-2	Zn	8015.53271	7988.90820	8042.15722	0.46974	ug/L	10/19/10	06:27	
62115-2	2203/1	440.41503	436.57650	444.25357	1.23258	ug/L	10/19/10	06:27	
62115-2	2203/2	384.25103	379.17980	389.32229	1.86644	ug/L	10/19/10	06:27	
62115-2	1960/1	49.77924	53.00592	46.55257	9.16688	ug/L	10/19/10	06:27	
62115-2	1960/2	14.30949	10.52706	18.09192	37.38190	ug/L	10/19/10	06:27	
62115-2	Y	881.19445	880.84796	881.54095	0.05560		10/19/10	06:27	
62115-3	Ag	40.87799	41.47661	40.27936	2.07100	ug/L	10/19/10	06:33	
62115-3	Al	271495.50000	271537.43750	271453.59375	0.02183	ug/L	10/19/10	06:33	
62115-3	2Al	271.50064	271.53314	271.46813	0.01692	mg/L	10/19/10	06:33	
62115-3	As	17.09405	15.32431	18.86379	14.64127	ug/L	10/19/10	06:33	
62115-3	B	2381.78564	2384.23925	2379.33203	0.14568	ug/L	10/19/10	06:33	
62115-3	Ba	19014.42578	19022.28125	19006.56835	0.05843	ug/L	10/19/10	06:33	
62115-3	Be	7.55760	7.55973	7.55548	0.03985	ug/L	10/19/10	06:33	
62115-3	Ca	1921518.75000	1922446.50000	1920590.87500	0.06828	ug/L	10/19/10	06:33	
62115-3	Cd	138.76043	138.74769	138.77316	0.01297	ug/L	10/19/10	06:33	
62115-3	Co	88.70487	88.81916	88.59059	0.18220	ug/L	10/19/10	06:33	
62115-3	Cr	1861.61584	1862.67822	1860.55346	0.08070	ug/L	10/19/10	06:33	
62115-3	Cu	1365.67004	1368.68774	1362.65234	0.31249	ug/L	10/19/10	06:33	
62115-3	Fe	147913.50000	147935.28125	147891.70312	0.02083	ug/L	10/19/10	06:33	
62115-3	2Fe	147.88824	147.90493	147.87155	0.01596	mg/L	10/19/10	06:33	
62115-3	K	437929.43750	437693.75000	438165.12500	0.07611	ug/L	10/19/10	06:33	
62115-3	Mg	208340.20312	208397.29687	208283.10937	0.03875	ug/L	10/19/10	06:33	
62115-3	2Mg	208.27966	208.32806	208.23126	0.03286	mg/L	10/19/10	06:33	
62115-3	Mn	71959.17187	71977.93750	71940.39843	0.03688	ug/L	10/19/10	06:33	
62115-3	Mo	80.96223	83.29884	78.62561	4.08149	ug/L	10/19/10	06:33	
62115-3	Na	169795.65625	169934.67187	169656.65625	0.11577	ug/L	10/19/10	06:33	
62115-3	Ni	568.11901	567.49395	568.74414	0.15560	ug/L	10/19/10	06:33	
62115-3	Pb	380.90991	379.98263	381.83715	0.34426	ug/L	10/19/10	06:33	
62115-3	Se	24.63375	25.44578	23.82172	4.66184	ug/L	10/19/10	06:33	
62115-3	Sb	12.08629	8.20223	15.97034	45.44720	ug/L	10/19/10	06:33	
62115-3	Sn	26.26104	24.10400	28.41807	11.61608	ug/L	10/19/10	06:33	
62115-3	Sr	8612.75000	8618.67578	8606.82324	0.09730	ug/L	10/19/10	06:33	
62115-3	Ti	20575.89453	20580.84960	20570.93945	0.03405	ug/L	10/19/10	06:33	
62115-3	Tl	0.43199	-1.43462	2.29861	611.07543	ug/L	10/19/10	06:33	
62115-3	V	293.59545	295.28414	291.90679	0.81341	ug/L	10/19/10	06:33	
62115-3	Zn	8070.67138	8064.40820	8076.93457	0.10974	ug/L	10/19/10	06:33	
62115-3	2203/1	406.02136	407.79122	404.25152	0.61645	ug/L	10/19/10	06:33	
62115-3	2203/2	368.37298	366.09918	370.64678	0.87293	ug/L	10/19/10	06:33	
62115-3	1960/1	44.32475	48.03625	40.61325	11.84179	ug/L	10/19/10	06:33	
62115-3	1960/2	14.80301	14.16749	15.43854	6.07152	ug/L	10/19/10	06:33	
62115-3	Y	869.14343	870.80395	867.48297	0.27018		10/19/10	06:33	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62115-4	Ag	42.07224	42.71299	41.43148	2.15382	ug/L	10/19/10	06:38	
62115-4	Al	234805.37500	234636.89062	234973.85937	0.10147	ug/L	10/19/10	06:38	
62115-4	2Al	234.79714	234.62950	234.96481	0.10098	mg/L	10/19/10	06:38	
62115-4	As	53.12775	53.32222	52.93328	0.51765	ug/L	10/19/10	06:38	
62115-4	B	5985.39453	5976.11376	5994.67480	0.21927	ug/L	10/19/10	06:38	
62115-4	Ba	4395.32714	4391.97753	4398.67675	0.10777	ug/L	10/19/10	06:38	
62115-4	Be	4.37878	4.39013	4.36744	0.36625	ug/L	10/19/10	06:38	
62115-4	Ca	2154482.00000	2151194.00000	2157769.75000	0.21581	ug/L	10/19/10	06:38	
62115-4	Cd	150.46426	150.50045	150.42805	0.03402	ug/L	10/19/10	06:38	
62115-4	Co	149.99887	149.24378	150.75395	0.71190	ug/L	10/19/10	06:38	
62115-4	Cr	2775.62646	2772.81738	2778.43530	0.14311	ug/L	10/19/10	06:38	
62115-4	Cu	3292.08886	3290.49023	3293.68750	0.06867	ug/L	10/19/10	06:38	
62115-4	Fe	76115.00000	76032.19531	76197.81250	0.15385	ug/L	10/19/10	06:38	
62115-4	2Fe	76.09801	76.01522	76.18080	0.15385	mg/L	10/19/10	06:38	
62115-4	K	748967.87500	747910.68750	750025.06250	0.19961	ug/L	10/19/10	06:38	
62115-4	Mg	493229.37500	492732.28125	493726.46875	0.14252	ug/L	10/19/10	06:38	
62115-4	2Mg	493.11248	492.61730	493.60766	0.14201	mg/L	10/19/10	06:38	
62115-4	Mn	182357.92187	182201.40625	182514.43750	0.12138	ug/L	10/19/10	06:38	
62115-4	Mo	263.12713	263.34506	262.90921	0.11712	ug/L	10/19/10	06:38	
62115-4	Na	317345.56250	317160.62500	317530.46875	0.08240	ug/L	10/19/10	06:38	
62115-4	Ni	363.81915	364.83850	362.79983	0.39622	ug/L	10/19/10	06:38	
62115-4	Pb	424.89343	426.38922	423.39764	0.49785	ug/L	10/19/10	06:38	
62115-4	Se	110.21383	111.00263	109.42503	1.01215	ug/L	10/19/10	06:38	
62115-4	Sb	29.82037	33.06242	26.57831	15.37524	ug/L	10/19/10	06:38	
62115-4	Sn	5.30294	8.30816	2.29773	80.14432	ug/L	10/19/10	06:38	
62115-4	Sr	11711.19433	11686.37402	11736.01464	0.29972	ug/L	10/19/10	06:38	
62115-4	Ti	6870.18408	6866.25195	6874.11621	0.08094	ug/L	10/19/10	06:38	
62115-4	Tl	-0.82020	1.68514	-3.32554	431.97814	ug/L	10/19/10	06:38	
62115-4	V	204.29519	205.61120	202.97917	0.91100	ug/L	10/19/10	06:38	
62115-4	Zn	20342.33984	20330.56445	20354.11718	0.08187	ug/L	10/19/10	06:38	
62115-4	2203/1	442.60321	445.79681	439.40963	1.02042	ug/L	10/19/10	06:38	
62115-4	2203/2	416.05181	416.69998	415.40365	0.22031	ug/L	10/19/10	06:38	
62115-4	1960/1	155.70483	155.33717	156.07247	0.33392	ug/L	10/19/10	06:38	
62115-4	1960/2	87.50243	88.86859	86.13627	2.20798	ug/L	10/19/10	06:38	
62115-4	Y	854.35192	855.32397	853.37994	0.16089		10/19/10	06:38	
CCV	Ag	500.89324	500.56268	501.22381	0.09333	ug/L	10/19/10	06:43	
CCV	Al	5132.13964	5106.92968	5157.34912	0.69467	ug/L	10/19/10	06:43	
CCV	2Al	5.13222	5.10701	5.15743	0.69473	mg/L	10/19/10	06:43	
CCV	As	495.19256	488.73269	501.65246	1.84486	ug/L	10/19/10	06:43	
CCV	B	4974.28515	4970.56103	4978.00976	0.10588	ug/L	10/19/10	06:43	
CCV	Ba	5035.49658	5039.63232	5031.36083	0.11615	ug/L	10/19/10	06:43	
CCV	Be	492.10656	492.30871	491.90441	0.05809	ug/L	10/19/10	06:43	
CCV	Ca	5154.04882	4947.95019	5360.14746	5.65511	ug/L	10/19/10	06:43	
CCV	Cd	482.45062	482.40432	482.49694	0.01357	ug/L	10/19/10	06:43	
CCV	Co	496.21356	495.43341	496.99374	0.22234	ug/L	10/19/10	06:43	
CCV	Cr	4946.84960	4943.24707	4950.45263	0.10299	ug/L	10/19/10	06:43	
CCV	Cu	5063.08007	5067.89160	5058.26855	0.13439	ug/L	10/19/10	06:43	
CCV	Fe	4925.25634	4900.01171	4950.50097	0.72486	ug/L	10/19/10	06:43	
CCV	2Fe	4.92526	4.90002	4.95050	0.72478	mg/L	10/19/10	06:43	
CCV	K	10379.53906	10258.04492	10501.03320	1.65535	ug/L	10/19/10	06:43	
CCV	Mg	5072.76269	5016.79101	5128.73437	1.56041	ug/L	10/19/10	06:43	
CCV	2Mg	5.07280	5.01684	5.12876	1.56001	mg/L	10/19/10	06:43	
CCV	Mn	5107.57421	5093.47314	5121.67480	0.39043	ug/L	10/19/10	06:43	
CCV	Mo	484.13555	485.84078	482.43029	0.49812	ug/L	10/19/10	06:43	
CCV	Na	7717.94287	7536.48583	7899.39990	3.32496	ug/L	10/19/10	06:43	
CCV	Ni	2460.69677	2457.36035	2464.03344	0.19175	ug/L	10/19/10	06:43	
CCV	Pb	494.85455	495.29473	494.41433	0.12580	ug/L	10/19/10	06:43	
CCV	Se	4894.72167	4904.73828	4884.70556	0.28939	ug/L	10/19/10	06:43	
CCV	Sb	486.25030	486.31698	486.18362	0.01939	ug/L	10/19/10	06:43	
CCV	Sn	4909.49316	4900.94921	4918.03710	0.24611	ug/L	10/19/10	06:43	
CCV	Sr	2505.17749	2504.97973	2505.37524	0.01116	ug/L	10/19/10	06:43	
CCV	Ti	504.89831	505.08175	504.71487	0.05138	ug/L	10/19/10	06:43	
CCV	Tl	4881.55957	4883.49609	4879.62255	0.05610	ug/L	10/19/10	06:43	
CCV	V	5019.19726	5017.11132	5021.28320	0.05877	ug/L	10/19/10	06:43	
CCV	Zn	2445.08496	2440.51782	2449.65209	0.26415	ug/L	10/19/10	06:43	
CCV	2203/1	504.08331	503.78479	504.38186	0.08375	ug/L	10/19/10	06:43	
CCV	2203/2	490.24707	491.05609	489.43804	0.23337	ug/L	10/19/10	06:43	
CCV	1960/1	5038.50976	5042.25439	5034.76562	0.10509	ug/L	10/19/10	06:43	
CCV	1960/2	4822.93554	4836.08349	4809.78808	0.38552	ug/L	10/19/10	06:43	
CCV	Y	943.61846	941.48095	945.75598	0.32035		10/19/10	06:43	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	6.33261	-1.10136	13.76659	166.01736	ug/L	10/19/10	06:48	
CCB	Al	10.55538	-10.83941	31.95018	286.64810	ug/L	10/19/10	06:48	
CCB	2Al	0.01055	-0.01084	0.03195	286.64868	mg/L	10/19/10	06:48	
CCB	As	-0.50781	-1.83772	0.82210	370.36935	ug/L	10/19/10	06:48	
CCB	B	12.98078	11.68274	14.27882	14.14172	ug/L	10/19/10	06:48	
CCB	Ba	3.32412	0.49083	6.15741	120.53927	ug/L	10/19/10	06:48	
CCB	Be	0.29937	-0.02466	0.62341	153.07324	ug/L	10/19/10	06:48	
CCB	Ca	133.46365	16.20100	250.72631	124.25437	ug/L	10/19/10	06:48	
CCB	Cd	1.28848	0.22279	2.35417	116.96795	ug/L	10/19/10	06:48	
CCB	Co	0.90321	0.23825	1.56817	104.11602	ug/L	10/19/10	06:48	
CCB	Cr	1.25956	-0.28520	2.80432	173.44364	ug/L	10/19/10	06:48	
CCB	Cu	1.99378	-0.20788	4.19546	156.16670	ug/L	10/19/10	06:48	
CCB	Fe	96.04868	-12.90908	205.00645	160.42858	ug/L	10/19/10	06:48	
CCB	2Fe	0.09603	-0.01290	0.20498	160.42839	mg/L	10/19/10	06:48	
CCB	K	183.32968	3.82423	362.83514	138.47132	ug/L	10/19/10	06:48	
CCB	Mg	24.55992	-2.54730	51.66716	156.08927	ug/L	10/19/10	06:48	
CCB	2Mg	0.02454	-0.00254	0.05162	156.07894	mg/L	10/19/10	06:48	
CCB	Mn	12.17025	1.51984	22.82066	123.76037	ug/L	10/19/10	06:48	
CCB	Mo	2.98846	-3.30665	9.28359	297.90032	ug/L	10/19/10	06:48	
CCB	Na	626.69232	-18.18962	1271.57421	145.52607	ug/L	10/19/10	06:48	
CCB	Ni	5.70857	1.00751	10.40963	116.46158	ug/L	10/19/10	06:48	
CCB	Pb	-2.25511	1.14657	-5.65680	213.32466	ug/L	10/19/10	06:48	
CCB	Se	8.63797	-6.15265	23.42861	242.15293	ug/L	10/19/10	06:48	
CCB	Sb	19.77164	-4.86559	44.40888	176.22367	ug/L	10/19/10	06:48	
CCB	Sn	14.49670	-1.00899	30.00241	151.26454	ug/L	10/19/10	06:48	
CCB	Sr	1.42318	0.15914	2.68721	125.60732	ug/L	10/19/10	06:48	
CCB	Ti	1.90334	1.10486	2.70182	59.32823	ug/L	10/19/10	06:48	
CCB	Tl	16.21380	-6.30023	38.72784	196.37379	ug/L	10/19/10	06:48	
CCB	V	6.65193	-0.67548	13.97935	155.78231	ug/L	10/19/10	06:48	
CCB	Zn	2.00652	0.60509	3.40794	98.77382	ug/L	10/19/10	06:48	
CCB	2203/1	22.97289	-2.98869	48.93449	159.81976	ug/L	10/19/10	06:48	
CCB	2203/2	-14.85021	3.21110	-32.91153	172.00135	ug/L	10/19/10	06:48	
CCB	1960/1	35.86735	1.27045	70.46424	136.41207	ug/L	10/19/10	06:48	
CCB	1960/2	-4.95630	-9.85865	-0.05395	139.88195	ug/L	10/19/10	06:48	
CCB	Y	944.91442	939.11395	950.71496	0.86813		10/19/10	06:48	
PBW 182771	Ag	-0.37774	0.26835	-1.02384	241.89123	ug/L	10/19/10	06:53	
PBW 182771	Al	-10.30346	-8.94032	-11.66661	18.70998	ug/L	10/19/10	06:53	
PBW 182771	2Al	-0.01030	-0.00894	-0.01166	18.70991	mg/L	10/19/10	06:53	
PBW 182771	As	-1.36948	-2.92496	0.18599	160.62782	ug/L	10/19/10	06:53	
PBW 182771	B	4.48228	2.63361	6.33096	58.32778	ug/L	10/19/10	06:53	
PBW 182771	Ba	0.08364	0.14540	0.02188	104.41967	ug/L	10/19/10	06:53	
PBW 182771	Be	-0.01950	-0.01495	-0.02405	32.98895	ug/L	10/19/10	06:53	
PBW 182771	Ca	32.35550	32.68272	32.02829	1.43020	ug/L	10/19/10	06:53	
PBW 182771	Cd	-0.01920	0.26225	-0.30067	2072.46508	ug/L	10/19/10	06:53	
PBW 182771	Co	0.22466	-0.22698	0.67631	284.30252	ug/L	10/19/10	06:53	
PBW 182771	Cr	0.47877	0.19121	0.76633	84.94078	ug/L	10/19/10	06:53	
PBW 182771	Cu	1.43155	1.25386	1.60924	17.55359	ug/L	10/19/10	06:53	
PBW 182771	Fe	34.52165	33.90856	35.13475	2.51160	ug/L	10/19/10	06:53	
PBW 182771	2Fe	0.03451	0.03390	0.03513	2.51187	mg/L	10/19/10	06:53	
PBW 182771	K	17.34460	20.97502	13.71417	29.60112	ug/L	10/19/10	06:53	
PBW 182771	Mg	-1.02383	0.55753	-2.60520	218.43267	ug/L	10/19/10	06:53	
PBW 182771	2Mg	-0.00102	0.00055	-0.00261	217.21940	mg/L	10/19/10	06:53	
PBW 182771	Mn	0.57229	0.63949	0.50509	16.60633	ug/L	10/19/10	06:53	
PBW 182771	Mo	-0.79684	-1.58235	-0.01133	139.41030	ug/L	10/19/10	06:53	
PBW 182771	Na	165.74670	96.58840	234.90501	59.00847	ug/L	10/19/10	06:53	
PBW 182771	Ni	-1.15236	-1.08742	-1.21729	7.96884	ug/L	10/19/10	06:53	
PBW 182771	Pb	-1.31344	-2.05179	-0.57510	79.49897	ug/L	10/19/10	06:53	
PBW 182771	Se	-4.85943	-7.42534	-2.29352	74.67423	ug/L	10/19/10	06:53	
PBW 182771	Sb	-8.58616	-10.05889	-7.11342	24.25719	ug/L	10/19/10	06:53	
PBW 182771	Sn	14.99033	14.15016	15.83051	7.92634	ug/L	10/19/10	06:53	
PBW 182771	Sr	0.01559	-0.00882	0.04000	221.42213	ug/L	10/19/10	06:53	
PBW 182771	Ti	0.84664	0.97991	0.71336	22.26209	ug/L	10/19/10	06:53	
PBW 182771	Tl	-4.97409	-3.18877	-6.75940	50.75931	ug/L	10/19/10	06:53	
PBW 182771	V	-0.84752	-0.09914	-1.59590	124.87746	ug/L	10/19/10	06:53	
PBW 182771	Zn	4.64252	4.54055	4.74450	3.10635	ug/L	10/19/10	06:53	
PBW 182771	2203/1	0.00450	-1.12677	1.13578	35487.07031	ug/L	10/19/10	06:53	
PBW 182771	2203/2	-1.97143	-2.51360	-1.42926	38.89281	ug/L	10/19/10	06:53	
PBW 182771	1960/1	0.36056	-1.81036	2.53149	851.47723	ug/L	10/19/10	06:53	
PBW 182771	1960/2	-7.46552	-10.22863	-4.70241	52.34222	ug/L	10/19/10	06:53	
PBW 182771	Y	956.42993	956.30395	956.55596	0.01863		10/19/10	06:53	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
LCSW-1	Ag	49.26708	48.93168	49.60248	0.96276	ug/L	10/19/10	06:59	
LCSW-1	Al	2145.12890	2145.62231	2144.63574	0.03252	ug/L	10/19/10	06:59	
LCSW-1	2Al	2.14505	2.14555	2.14456	0.03250	mg/L	10/19/10	06:59	
LCSW-1	As	2125.22973	2121.72583	2128.73364	0.23316	ug/L	10/19/10	06:59	
LCSW-1	B	1034.98876	1035.99938	1033.97802	0.13809	ug/L	10/19/10	06:59	
LCSW-1	Ba	2164.69091	2166.44360	2162.93798	0.11451	ug/L	10/19/10	06:59	
LCSW-1	Be	53.08509	53.11352	53.05665	0.07575	ug/L	10/19/10	06:59	
LCSW-1	Ca	5198.41210	5200.59228	5196.23242	0.05930	ug/L	10/19/10	06:59	
LCSW-1	Cd	52.60927	52.45469	52.76385	0.41554	ug/L	10/19/10	06:59	
LCSW-1	Co	541.29406	541.88372	540.70434	0.15406	ug/L	10/19/10	06:59	
LCSW-1	Cr	216.31713	215.73028	216.90397	0.38366	ug/L	10/19/10	06:59	
LCSW-1	Cu	270.97827	271.06170	270.89480	0.04355	ug/L	10/19/10	06:59	
LCSW-1	Fe	1101.78649	1096.53613	1107.03686	0.67391	ug/L	10/19/10	06:59	
LCSW-1	2Fe	1.10187	1.09662	1.10712	0.67376	mg/L	10/19/10	06:59	
LCSW-1	K	5095.15234	5096.78955	5093.51513	0.04544	ug/L	10/19/10	06:59	
LCSW-1	Mg	5299.38085	5299.74267	5299.01904	0.00965	ug/L	10/19/10	06:59	
LCSW-1	2Mg	5.29794	5.29830	5.29757	0.00968	mg/L	10/19/10	06:59	
LCSW-1	Mn	548.09863	548.40802	547.78924	0.07982	ug/L	10/19/10	06:59	
LCSW-1	Mo	510.18319	507.37963	512.98675	0.77713	ug/L	10/19/10	06:59	
LCSW-1	Na	5357.83984	5392.67529	5323.00390	0.91949	ug/L	10/19/10	06:59	
LCSW-1	Ni	533.77600	533.35882	534.19323	0.11053	ug/L	10/19/10	06:59	
LCSW-1	Pb	539.23712	537.71112	540.76312	0.40021	ug/L	10/19/10	06:59	
LCSW-1	Se	2128.63476	2132.30834	2124.96142	0.24405	ug/L	10/19/10	06:59	
LCSW-1	Sb	513.31072	511.64950	514.97198	0.45768	ug/L	10/19/10	06:59	
LCSW-1	Sn	1058.98693	1057.50891	1060.46496	0.19738	ug/L	10/19/10	06:59	
LCSW-1	Sr	525.62219	525.77923	525.46520	0.04224	ug/L	10/19/10	06:59	
LCSW-1	Ti	1039.50830	1039.72558	1039.29113	0.02955	ug/L	10/19/10	06:59	
LCSW-1	Tl	2165.81884	2172.86499	2158.77270	0.46009	ug/L	10/19/10	06:59	
LCSW-1	V	538.00683	536.40686	539.60687	0.42058	ug/L	10/19/10	06:59	
LCSW-1	Zn	541.12011	541.18792	541.05236	0.01771	ug/L	10/19/10	06:59	
LCSW-1	2203/1	544.73486	546.32324	543.14654	0.41235	ug/L	10/19/10	06:59	
LCSW-1	2203/2	536.49230	533.41149	539.57318	0.81212	ug/L	10/19/10	06:59	
LCSW-1	1960/1	2180.13671	2177.51049	2182.76269	0.17035	ug/L	10/19/10	06:59	
LCSW-1	1960/2	2102.92211	2109.74072	2096.10351	0.45855	ug/L	10/19/10	06:59	
LCSW-1	Y	962.63995	961.43395	963.84594	0.17717		10/19/10	06:59	
LCSW-2	Ag	49.12130	49.34921	48.89339	0.65615	ug/L	10/19/10	07:04	
LCSW-2	Al	2083.93945	2081.53125	2086.34790	0.16343	ug/L	10/19/10	07:04	
LCSW-2	2Al	2.08386	2.08145	2.08627	0.16347	mg/L	10/19/10	07:04	
LCSW-2	As	2061.87939	2058.36059	2065.39843	0.24135	ug/L	10/19/10	07:04	
LCSW-2	B	1003.69567	1006.41595	1000.97540	0.38328	ug/L	10/19/10	07:04	
LCSW-2	Ba	2107.50195	2108.70556	2106.29833	0.08076	ug/L	10/19/10	07:04	
LCSW-2	Be	51.54351	51.63921	51.44780	0.26258	ug/L	10/19/10	07:04	
LCSW-2	Ca	5047.79687	5049.17333	5046.42089	0.03855	ug/L	10/19/10	07:04	
LCSW-2	Cd	51.21253	50.81009	51.61496	1.11130	ug/L	10/19/10	07:04	
LCSW-2	Co	527.12982	526.81530	527.44433	0.08437	ug/L	10/19/10	07:04	
LCSW-2	Cr	210.29617	210.47015	210.12220	0.11699	ug/L	10/19/10	07:04	
LCSW-2	Cu	263.75982	264.41619	263.10348	0.35192	ug/L	10/19/10	07:04	
LCSW-2	Fe	1075.13195	1060.26647	1089.99743	1.95538	ug/L	10/19/10	07:04	
LCSW-2	2Fe	1.07521	1.06035	1.09008	1.95499	mg/L	10/19/10	07:04	
LCSW-2	K	4889.49609	4896.66210	4882.33007	0.20726	ug/L	10/19/10	07:04	
LCSW-2	Mg	5138.49218	5138.35302	5138.63134	0.00382	ug/L	10/19/10	07:04	
LCSW-2	2Mg	5.13709	5.13695	5.13723	0.00375	mg/L	10/19/10	07:04	
LCSW-2	Mn	531.87286	532.11749	531.62823	0.06504	ug/L	10/19/10	07:04	
LCSW-2	Mo	496.15481	497.96304	494.34658	0.51540	ug/L	10/19/10	07:04	
LCSW-2	Na	5150.60937	5238.50244	5062.71630	2.41329	ug/L	10/19/10	07:04	
LCSW-2	Ni	517.41979	519.27471	515.56488	0.50698	ug/L	10/19/10	07:04	
LCSW-2	Pb	518.80834	520.07574	517.54101	0.34546	ug/L	10/19/10	07:04	
LCSW-2	Se	2044.63305	2049.68725	2039.57885	0.34958	ug/L	10/19/10	07:04	
LCSW-2	Sb	500.54006	500.35583	500.72430	0.05205	ug/L	10/19/10	07:04	
LCSW-2	Sn	1027.55566	1024.31530	1030.79614	0.44597	ug/L	10/19/10	07:04	
LCSW-2	Sr	511.59887	511.65905	511.53872	0.01663	ug/L	10/19/10	07:04	
LCSW-2	Ti	1010.96856	1011.40246	1010.53466	0.06069	ug/L	10/19/10	07:04	
LCSW-2	Tl	2106.79589	2105.66308	2107.92895	0.07604	ug/L	10/19/10	07:04	
LCSW-2	V	522.21386	522.50231	521.92547	0.07810	ug/L	10/19/10	07:04	
LCSW-2	Zn	525.30944	525.21746	525.40142	0.02476	ug/L	10/19/10	07:04	
LCSW-2	2203/1	522.67352	525.21673	520.13031	0.68812	ug/L	10/19/10	07:04	
LCSW-2	2203/2	516.87866	517.50909	516.24829	0.17248	ug/L	10/19/10	07:04	
LCSW-2	1960/1	2103.86035	2111.00000	2096.72070	0.47992	ug/L	10/19/10	07:04	
LCSW-2	1960/2	2015.06311	2019.07604	2011.05017	0.28163	ug/L	10/19/10	07:04	
LCSW-2	Y	958.34246	956.89794	959.78698	0.21316		10/19/10	07:04	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-1	Ag	0.51071	0.93928	0.08215	118.67198	ug/L	10/19/10	07:09	
61970-1	Al	570.62402	567.69653	573.55151	0.72553	ug/L	10/19/10	07:09	
61970-1	2Al	0.57066	0.56773	0.57358	0.72554	mg/L	10/19/10	07:09	
61970-1	As	0.80858	4.06919	-2.45201	570.27764	ug/L	10/19/10	07:09	
61970-1	B	12.40083	13.42822	11.37344	11.71656	ug/L	10/19/10	07:09	
61970-1	Ba	53.80059	53.79883	53.80234	0.00461	ug/L	10/19/10	07:09	
61970-1	Be	0.00683	0.00677	0.00688	1.12799	ug/L	10/19/10	07:09	
61970-1	Ca	624.29479	626.47735	622.11218	0.49442	ug/L	10/19/10	07:09	
61970-1	Cd	-0.32754	-0.52194	-0.13313	83.93889	ug/L	10/19/10	07:09	
61970-1	Co	220.14816	219.80657	220.48974	0.21943	ug/L	10/19/10	07:09	
61970-1	Cr	13.79220	13.74385	13.84055	0.49580	ug/L	10/19/10	07:09	
61970-1	Cu	137.32174	137.38362	137.25988	0.06371	ug/L	10/19/10	07:09	
61970-1	Fe	27024.97460	27071.61523	26978.33398	0.24406	ug/L	10/19/10	07:09	
61970-1	2Fe	27.02095	27.06693	26.97498	0.24062	mg/L	10/19/10	07:09	
61970-1	K	62.29994	63.36448	61.23540	2.41651	ug/L	10/19/10	07:09	
61970-1	Mg	214.57878	213.00776	216.14979	1.03540	ug/L	10/19/10	07:09	
61970-1	2Mg	0.20977	0.20819	0.21135	1.06423	mg/L	10/19/10	07:09	
61970-1	Mn	23.78824	23.83924	23.73723	0.30323	ug/L	10/19/10	07:09	
61970-1	Mo	5.45936	4.21805	6.70068	32.15547	ug/L	10/19/10	07:09	
61970-1	Na	299.02752	281.76409	316.29095	8.16452	ug/L	10/19/10	07:09	
61970-1	Ni	7.38652	7.01587	7.75717	7.09644	ug/L	10/19/10	07:09	
61970-1	Pb	4.68665	3.25434	6.11897	43.22040	ug/L	10/19/10	07:09	
61970-1	Se	-0.73784	-3.52134	2.04565	533.50634	ug/L	10/19/10	07:09	
61970-1	Sb	-4.15579	-0.72707	-7.58451	116.67914	ug/L	10/19/10	07:09	
61970-1	Sn	75.50616	73.67573	77.33660	3.42835	ug/L	10/19/10	07:09	
61970-1	Sr	1.72864	1.72453	1.73276	0.33640	ug/L	10/19/10	07:09	
61970-1	Ti	7.77742	7.86994	7.68491	1.68230	ug/L	10/19/10	07:09	
61970-1	Tl	-1.26866	-2.86003	0.32271	177.39533	ug/L	10/19/10	07:09	
61970-1	V	1.77277	1.05632	2.48922	57.15429	ug/L	10/19/10	07:09	
61970-1	Zn	503.73980	505.18121	502.29843	0.40466	ug/L	10/19/10	07:09	
61970-1	2203/1	1.12738	3.96160	-1.70683	355.52972	ug/L	10/19/10	07:09	
61970-1	2203/2	6.46362	2.90125	10.02600	77.94326	ug/L	10/19/10	07:09	
61970-1	1960/1	-6.66556	-3.20880	-10.12232	73.34105	ug/L	10/19/10	07:09	
61970-1	1960/2	2.22156	-3.67738	8.12051	375.51766	ug/L	10/19/10	07:09	
61970-1	Y	961.24945	961.28094	961.21795	0.00463		10/19/10	07:09	
61970-2	Ag	1.92669	1.52346	2.32991	29.59699	ug/L	10/19/10	07:14	
61970-2	Al	5516.34228	5505.49462	5527.18994	0.27809	ug/L	10/19/10	07:14	
61970-2	2Al	5.51660	5.50564	5.52755	0.28082	mg/L	10/19/10	07:14	
61970-2	As	0.13617	-1.45439	1.72675	1651.82775	ug/L	10/19/10	07:14	
61970-2	B	73.20448	71.92626	74.48271	2.46936	ug/L	10/19/10	07:14	
61970-2	Ba	430.22369	429.84356	430.60385	0.12495	ug/L	10/19/10	07:14	
61970-2	Be	0.10641	0.05379	0.15904	69.93611	ug/L	10/19/10	07:14	
61970-2	Ca	97253.34375	97136.30468	97370.38281	0.17019	ug/L	10/19/10	07:14	
61970-2	Cd	3.44864	3.37660	3.52067	2.95414	ug/L	10/19/10	07:14	
61970-2	Co	390.66433	391.64434	389.68432	0.35476	ug/L	10/19/10	07:14	
61970-2	Cr	328.89727	329.11401	328.68054	0.09319	ug/L	10/19/10	07:14	
61970-2	Cu	90.46562	90.40204	90.52920	0.09939	ug/L	10/19/10	07:14	
61970-2	Fe	61760.54687	61698.40625	61822.68750	0.14229	ug/L	10/19/10	07:14	
61970-2	2Fe	61.75149	61.68801	61.81496	0.14536	mg/L	10/19/10	07:14	
61970-2	K	14208.65625	14165.69042	14251.62207	0.42764	ug/L	10/19/10	07:14	
61970-2	Mg	7999.93457	7996.33398	8003.53564	0.06365	ug/L	10/19/10	07:14	
61970-2	2Mg	7.98699	7.98340	7.99058	0.06353	mg/L	10/19/10	07:14	
61970-2	Mn	393.31829	393.21066	393.42596	0.03870	ug/L	10/19/10	07:14	
61970-2	Mo	3.12329	2.61127	3.63531	23.18413	ug/L	10/19/10	07:14	
61970-2	Na	18151.77929	18076.02929	18227.52929	0.59017	ug/L	10/19/10	07:14	
61970-2	Ni	24.00622	23.91463	24.09782	0.53957	ug/L	10/19/10	07:14	
61970-2	Pb	1517.19958	1518.13696	1516.26220	0.08737	ug/L	10/19/10	07:14	
61970-2	Se	-3.73433	-5.28419	-2.18447	58.69408	ug/L	10/19/10	07:14	
61970-2	Sb	15.12027	11.87950	18.36104	30.31124	ug/L	10/19/10	07:14	
61970-2	Sn	56.70926	54.31364	59.10487	5.97417	ug/L	10/19/10	07:14	
61970-2	Sr	93.69999	93.66979	93.73018	0.04557	ug/L	10/19/10	07:14	
61970-2	Ti	287.58587	287.18365	287.98809	0.19779	ug/L	10/19/10	07:14	
61970-2	Tl	-5.81151	-6.35626	-5.26675	13.25635	ug/L	10/19/10	07:14	
61970-2	V	10.54855	10.11316	10.98395	5.83723	ug/L	10/19/10	07:14	
61970-2	Zn	9161.94824	9152.97070	9170.92578	0.13857	ug/L	10/19/10	07:14	
61970-2	2203/1	1526.81860	1524.67932	1528.95788	0.19815	ug/L	10/19/10	07:14	
61970-2	2203/2	1512.39721	1514.87072	1509.92382	0.23128	ug/L	10/19/10	07:14	
61970-2	1960/1	-0.66708	-2.85106	1.51689	463.00411	ug/L	10/19/10	07:14	
61970-2	1960/2	-5.26565	-6.49893	-4.03238	33.12243	ug/L	10/19/10	07:14	
61970-2	Y	943.93798	943.03796	944.83795	0.13483		10/19/10	07:14	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-3	Ag	1.47264	1.19606	1.74922	26.56051	ug/L	10/19/10	07:20	
61970-3	Al	9700.66992	9698.23046	9703.11035	0.03557	ug/L	10/19/10	07:20	
61970-3	2Al	9.70089	9.69803	9.70375	0.04169	mg/L	10/19/10	07:20	
61970-3	As	2.00464	1.26940	2.73988	51.86886	ug/L	10/19/10	07:20	
61970-3	B	75.31744	74.33637	76.29852	1.84213	ug/L	10/19/10	07:20	
61970-3	Ba	76.82432	76.87314	76.77551	0.08986	ug/L	10/19/10	07:20	
61970-3	Be	0.13004	0.12518	0.13489	5.27936	ug/L	10/19/10	07:20	
61970-3	Ca	50407.18750	50420.61718	50393.75781	0.03767	ug/L	10/19/10	07:20	
61970-3	Cd	0.68346	0.40999	0.95692	56.58537	ug/L	10/19/10	07:20	
61970-3	Co	445.64263	446.01312	445.27215	0.11757	ug/L	10/19/10	07:20	
61970-3	Cr	66.77054	66.81317	66.72792	0.09028	ug/L	10/19/10	07:20	
61970-3	Cu	1620.46533	1622.26660	1618.66418	0.15719	ug/L	10/19/10	07:20	
61970-3	Fe	4873.95898	4861.07421	4886.84326	0.37385	ug/L	10/19/10	07:20	
61970-3	2Fe	4.87348	4.86060	4.88636	0.37385	mg/L	10/19/10	07:20	
61970-3	K	4339.24023	4341.08935	4337.39160	0.06025	ug/L	10/19/10	07:20	
61970-3	Mg	3849.43261	3851.88378	3846.98168	0.09004	ug/L	10/19/10	07:20	
61970-3	2Mg	3.84752	3.84997	3.84506	0.09014	mg/L	10/19/10	07:20	
61970-3	Mn	69.47082	69.31349	69.62815	0.32028	ug/L	10/19/10	07:20	
61970-3	Mo	10.73647	11.76241	9.71053	13.51369	ug/L	10/19/10	07:20	
61970-3	Na	12449.18750	12318.12402	12580.25097	1.48886	ug/L	10/19/10	07:20	
61970-3	Ni	6.70746	5.81618	7.59873	18.79184	ug/L	10/19/10	07:20	
61970-3	Pb	421.88488	422.05291	421.71685	0.05632	ug/L	10/19/10	07:20	
61970-3	Se	-3.77140	-3.40602	-4.13678	13.70113	ug/L	10/19/10	07:20	
61970-3	Sb	17.11066	16.42279	17.79852	5.68525	ug/L	10/19/10	07:20	
61970-3	Sn	149.42800	148.05407	150.80195	1.30032	ug/L	10/19/10	07:20	
61970-3	Sr	62.35331	62.40127	62.30536	0.10876	ug/L	10/19/10	07:20	
61970-3	Ti	306.15997	305.90078	306.41918	0.11973	ug/L	10/19/10	07:20	
61970-3	Tl	-1.55536	-6.02336	2.91263	406.25317	ug/L	10/19/10	07:20	
61970-3	V	5.31130	4.34369	6.27891	25.76396	ug/L	10/19/10	07:20	
61970-3	Zn	7052.47851	7053.65625	7051.30126	0.02361	ug/L	10/19/10	07:20	
61970-3	2203/1	430.32116	428.01895	432.62335	0.75659	ug/L	10/19/10	07:20	
61970-3	2203/2	417.67309	419.07437	416.27178	0.47446	ug/L	10/19/10	07:20	
61970-3	1960/1	-0.47869	-2.28428	1.32689	533.42608	ug/L	10/19/10	07:20	
61970-3	1960/2	-5.41529	-3.96605	-6.86452	37.84711	ug/L	10/19/10	07:20	
61970-3	Y	953.84246	953.23498	954.44995	0.09006		10/19/10	07:20	
61970-4	Ag	0.50540	1.17145	-0.16063	186.36952	ug/L	10/19/10	07:25	
61970-4	Al	13649.47460	13649.36425	13649.58496	0.00114	ug/L	10/19/10	07:25	
61970-4	2Al	13.64973	13.64962	13.64984	0.00114	mg/L	10/19/10	07:25	
61970-4	As	-0.38592	0.34081	-1.11265	266.31341	ug/L	10/19/10	07:25	
61970-4	B	24.99710	23.20079	26.79340	10.16260	ug/L	10/19/10	07:25	
61970-4	Ba	201.14639	201.25030	201.04248	0.07305	ug/L	10/19/10	07:25	
61970-4	Be	0.21998	0.23910	0.20086	12.29181	ug/L	10/19/10	07:25	
61970-4	Ca	439388.43750	439038.84375	439738.06250	0.11252	ug/L	10/19/10	07:25	
61970-4	Cd	0.76574	0.85734	0.67413	16.91835	ug/L	10/19/10	07:25	
61970-4	Co	443.92715	444.29815	443.55615	0.11818	ug/L	10/19/10	07:25	
61970-4	Cr	325.80221	325.84866	325.75576	0.02016	ug/L	10/19/10	07:25	
61970-4	Cu	28.28392	28.44443	28.12340	0.80259	ug/L	10/19/10	07:25	
61970-4	Fe	5691.40283	5700.26660	5682.53906	0.22024	ug/L	10/19/10	07:25	
61970-4	2Fe	5.69082	5.69968	5.68196	0.22023	mg/L	10/19/10	07:25	
61970-4	K	1668.75512	1678.06823	1659.44213	0.78924	ug/L	10/19/10	07:25	
61970-4	Mg	13745.87988	13768.73144	13723.02832	0.23510	ug/L	10/19/10	07:25	
61970-4	2Mg	13.74112	13.76396	13.71828	0.23510	mg/L	10/19/10	07:25	
61970-4	Mn	275.67599	275.82513	275.52685	0.07650	ug/L	10/19/10	07:25	
61970-4	Mo	-1.39430	-1.34759	-1.44101	4.73806	ug/L	10/19/10	07:25	
61970-4	Na	4381.45117	4525.73730	4237.16455	4.65717	ug/L	10/19/10	07:25	
61970-4	Ni	26.50309	26.55237	26.45382	0.26291	ug/L	10/19/10	07:25	
61970-4	Pb	2700.09179	2703.25659	2696.92700	0.16576	ug/L	10/19/10	07:25	
61970-4	Se	-5.57934	-4.16512	-6.99355	35.84660	ug/L	10/19/10	07:25	
61970-4	Sb	-1.15993	-1.04603	-1.27382	13.88625	ug/L	10/19/10	07:25	
61970-4	Sn	45.75308	46.44903	45.05713	2.15116	ug/L	10/19/10	07:25	
61970-4	Sr	413.86761	414.09347	413.64178	0.07717	ug/L	10/19/10	07:25	
61970-4	Ti	1535.76074	1534.99755	1536.52380	0.07027	ug/L	10/19/10	07:25	
61970-4	Tl	-0.96261	-1.41611	-0.50911	66.62548	ug/L	10/19/10	07:25	
61970-4	V	16.91783	17.80023	16.03543	7.37622	ug/L	10/19/10	07:25	
61970-4	Zn	3301.64257	3305.68237	3297.60302	0.17303	ug/L	10/19/10	07:25	
61970-4	2203/1	2716.13281	2721.60107	2710.66479	0.28471	ug/L	10/19/10	07:25	
61970-4	2203/2	2692.08349	2694.09814	2690.06860	0.10584	ug/L	10/19/10	07:25	
61970-4	1960/1	-1.92255	4.83489	-8.67999	497.07205	ug/L	10/19/10	07:25	
61970-4	1960/2	-7.40499	-8.65838	-6.15160	23.93741	ug/L	10/19/10	07:25	
61970-4	Y	928.42651	927.87298	928.97998	0.08431		10/19/10	07:25	

9101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	503.60137	505.00173	502.20101	0.39324	ug/L	10/19/10	07:31	
CCV	Al	5080.33789	5088.30810	5072.36718	0.22187	ug/L	10/19/10	07:31	
CCV	2Al	5.08052	5.08839	5.07265	0.21895	mg/L	10/19/10	07:31	
CCV	As	503.26834	500.94107	505.59561	0.65397	ug/L	10/19/10	07:31	
CCV	B	5007.32128	5016.95458	4997.68750	0.27207	ug/L	10/19/10	07:31	
CCV	Ba	5022.90332	5031.79150	5014.01562	0.25024	ug/L	10/19/10	07:31	
CCV	Be	500.08032	500.57379	499.58685	0.13955	ug/L	10/19/10	07:31	
CCV	Ca	4956.46582	4937.30761	4975.62353	0.54662	ug/L	10/19/10	07:31	
CCV	Cd	491.44113	492.19894	490.68331	0.21807	ug/L	10/19/10	07:31	
CCV	Co	503.13702	504.00720	502.26687	0.24458	ug/L	10/19/10	07:31	
CCV	Cr	5007.69335	5012.96630	5002.42089	0.14890	ug/L	10/19/10	07:31	
CCV	Cu	5063.58886	5074.16650	5053.01171	0.29541	ug/L	10/19/10	07:31	
CCV	Fe	4974.47070	4995.88574	4953.05615	0.60881	ug/L	10/19/10	07:31	
CCV	2Fe	4.97448	4.99589	4.95306	0.60877	mg/L	10/19/10	07:31	
CCV	K	10097.36816	10101.31933	10093.41699	0.05533	ug/L	10/19/10	07:31	
CCV	Mg	5102.25244	5106.12402	5098.38085	0.10731	ug/L	10/19/10	07:31	
CCV	2Mg	5.10226	5.10613	5.09839	0.10725	mg/L	10/19/10	07:31	
CCV	Mn	5081.06494	5087.34863	5074.78125	0.17489	ug/L	10/19/10	07:31	
CCV	Mo	489.36972	488.33270	490.40673	0.29968	ug/L	10/19/10	07:31	
CCV	Na	7539.30468	7601.64990	7476.95996	1.16945	ug/L	10/19/10	07:31	
CCV	Ni	2504.84326	2509.90234	2499.78417	0.28563	ug/L	10/19/10	07:31	
CCV	Pb	505.14599	505.32153	504.97048	0.04913	ug/L	10/19/10	07:31	
CCV	Se	4944.74169	4932.05371	4957.42968	0.36288	ug/L	10/19/10	07:31	
CCV	Sb	495.52966	493.77243	497.28689	0.50150	ug/L	10/19/10	07:31	
CCV	Sn	4996.14648	5001.24169	4991.05175	0.14421	ug/L	10/19/10	07:31	
CCV	Sr	2514.09716	2516.34619	2511.84790	0.12651	ug/L	10/19/10	07:31	
CCV	Ti	499.19360	499.62991	498.75726	0.12361	ug/L	10/19/10	07:31	
CCV	Tl	4957.06640	4963.41943	4950.71386	0.18124	ug/L	10/19/10	07:31	
CCV	V	5061.16894	5071.96630	5050.37207	0.30169	ug/L	10/19/10	07:31	
CCV	Zn	2497.65039	2500.47924	2494.82153	0.16017	ug/L	10/19/10	07:31	
CCV	2203/1	513.49987	513.86718	513.13256	0.10115	ug/L	10/19/10	07:31	
CCV	2203/2	500.97531	501.05508	500.89553	0.02251	ug/L	10/19/10	07:31	
CCV	1960/1	5068.36328	5058.30273	5078.42431	0.28072	ug/L	10/19/10	07:31	
CCV	1960/2	4883.02343	4869.02392	4897.02294	0.40545	ug/L	10/19/10	07:31	
CCV	Y	956.00695	957.67193	954.34197	0.24629		10/19/10	07:31	
CCB	Ag	0.11526	1.24961	-1.01909	1391.81115	ug/L	10/19/10	07:38	
CCB	Al	-10.50012	-8.81868	-12.18155	22.64648	ug/L	10/19/10	07:38	
CCB	2Al	-0.01050	-0.00881	-0.01218	22.64655	mg/L	10/19/10	07:38	
CCB	As	1.01241	-0.71913	2.74397	241.87535	ug/L	10/19/10	07:38	
CCB	B	5.29001	6.54036	4.03967	33.42618	ug/L	10/19/10	07:38	
CCB	Ba	0.85970	0.37660	1.34279	79.47013	ug/L	10/19/10	07:38	
CCB	Be	0.09924	0.06108	0.13741	54.37761	ug/L	10/19/10	07:38	
CCB	Ca	12.78586	5.35710	20.21463	82.16777	ug/L	10/19/10	07:38	
CCB	Cd	0.28515	0.26243	0.30787	11.26699	ug/L	10/19/10	07:38	
CCB	Co	-0.17070	-0.22221	-0.11919	42.67438	ug/L	10/19/10	07:38	
CCB	Cr	0.52171	-0.14515	1.18858	180.76942	ug/L	10/19/10	07:38	
CCB	Cu	0.54256	0.51572	0.56940	6.99549	ug/L	10/19/10	07:38	
CCB	Fe	8.73654	24.60195	-7.12887	256.81890	ug/L	10/19/10	07:38	
CCB	2Fe	0.00873	0.02459	-0.00712	256.81768	mg/L	10/19/10	07:38	
CCB	K	22.72342	30.19873	15.24810	46.52332	ug/L	10/19/10	07:38	
CCB	Mg	-7.34696	-8.92556	-5.76836	30.38644	ug/L	10/19/10	07:38	
CCB	2Mg	-0.00734	-0.00892	-0.00576	30.44004	mg/L	10/19/10	07:38	
CCB	Mn	0.50875	-0.09047	1.10798	166.57203	ug/L	10/19/10	07:38	
CCB	Mo	-0.28808	-0.84090	0.26473	271.37811	ug/L	10/19/10	07:38	
CCB	Na	101.38988	176.43896	26.34080	104.68048	ug/L	10/19/10	07:38	
CCB	Ni	0.17678	-0.06746	0.42103	195.38784	ug/L	10/19/10	07:38	
CCB	Pb	-0.82125	-0.93794	-0.70457	20.09271	ug/L	10/19/10	07:38	
CCB	Se	6.35695	3.73311	8.98079	58.37180	ug/L	10/19/10	07:38	
CCB	Sb	-0.95708	-3.12190	1.20773	319.87960	ug/L	10/19/10	07:38	
CCB	Sn	3.40379	4.72562	2.08195	54.91979	ug/L	10/19/10	07:38	
CCB	Sr	0.27803	-0.00908	0.56516	146.04283	ug/L	10/19/10	07:38	
CCB	Ti	-0.23092	-0.21831	-0.24353	7.72212	ug/L	10/19/10	07:38	
CCB	Tl	1.69926	-0.84464	4.24318	211.71708	ug/L	10/19/10	07:38	
CCB	V	1.02405	1.21028	0.83781	25.71909	ug/L	10/19/10	07:38	
CCB	Zn	0.61598	0.04015	1.19181	132.20175	ug/L	10/19/10	07:38	
CCB	2203/1	3.39567	6.89793	-0.10658	145.86041	ug/L	10/19/10	07:38	
CCB	2203/2	-2.92656	-4.85000	-1.00312	92.94701	ug/L	10/19/10	07:38	
CCB	1960/1	11.89494	12.53306	11.25681	7.58681	ug/L	10/19/10	07:38	
CCB	1960/2	3.59211	-0.66026	7.84448	167.41592	ug/L	10/19/10	07:38	
CCB	Y	960.40344	958.53594	962.27093	0.27499		10/19/10	07:38	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-5	Ag	1.72117	1.84485	1.59750	10.16163	ug/L	10/19/10	07:43	
61970-5	Al	41645.74218	41583.92578	41707.56250	0.20992	ug/L	10/19/10	07:43	
61970-5	2Al	41.64669	41.58583	41.70755	0.20666	mg/L	10/19/10	07:43	
61970-5	As	-2.03323	-1.58454	-2.48192	31.20855	ug/L	10/19/10	07:43	
61970-5	B	57.68032	58.22062	57.14002	1.32471	ug/L	10/19/10	07:43	
61970-5	Ba	592.40661	592.58190	592.23126	0.04185	ug/L	10/19/10	07:43	
61970-5	Be	0.39937	0.40425	0.39449	1.72885	ug/L	10/19/10	07:43	
61970-5	Ca	430006.93750	429751.43750	430262.40625	0.08402	ug/L	10/19/10	07:43	
61970-5	Cd	0.67514	0.83288	0.51741	33.03996	ug/L	10/19/10	07:43	
61970-5	Co	312.07733	311.52743	312.62725	0.24919	ug/L	10/19/10	07:43	
61970-5	Cr	115.05771	114.87570	115.23973	0.22372	ug/L	10/19/10	07:43	
61970-5	Cu	29.67251	28.63131	30.71370	4.96239	ug/L	10/19/10	07:43	
61970-5	Fe	9177.83789	9173.96875	9181.70800	0.05962	ug/L	10/19/10	07:43	
61970-5	2Fe	9.17677	9.17290	9.18064	0.05962	mg/L	10/19/10	07:43	
61970-5	K	6463.29003	6456.21435	6470.36523	0.15481	ug/L	10/19/10	07:43	
61970-5	Mg	18756.37500	18751.62500	18761.12304	0.03580	ug/L	10/19/10	07:43	
61970-5	2Mg	18.74958	18.74483	18.75432	0.03580	mg/L	10/19/10	07:43	
61970-5	Mn	246.88906	246.89962	246.87850	0.00604	ug/L	10/19/10	07:43	
61970-5	Mo	0.03389	0.08105	-0.01325	196.73039	ug/L	10/19/10	07:43	
61970-5	Na	13594.45214	13593.17578	13595.72851	0.01327	ug/L	10/19/10	07:43	
61970-5	Ni	14.03849	14.20747	13.86951	1.70230	ug/L	10/19/10	07:43	
61970-5	Pb	1334.71862	1334.75109	1334.68615	0.00344	ug/L	10/19/10	07:43	
61970-5	Se	4.84628	3.34522	6.34733	43.80292	ug/L	10/19/10	07:43	
61970-5	Sb	1.09152	4.14496	-1.96191	395.61401	ug/L	10/19/10	07:43	
61970-5	Sn	38.07729	39.98090	36.17369	7.07010	ug/L	10/19/10	07:43	
61970-5	Sr	555.83508	554.78906	556.88110	0.26613	ug/L	10/19/10	07:43	
61970-5	Ti	4368.29345	4365.13769	4371.44921	0.10216	ug/L	10/19/10	07:43	
61970-5	Tl	0.07586	-0.62473	0.77646	1306.00830	ug/L	10/19/10	07:43	
61970-5	V	38.87485	38.96570	38.78400	0.33051	ug/L	10/19/10	07:43	
61970-5	Zn	15989.48046	15990.08203	15988.87988	0.00531	ug/L	10/19/10	07:43	
61970-5	2203/1	1349.54443	1350.17651	1348.91247	0.06623	ug/L	10/19/10	07:43	
61970-5	2203/2	1327.31677	1327.04992	1327.58361	0.02843	ug/L	10/19/10	07:43	
61970-5	1960/1	10.23541	8.14092	12.32990	28.93927	ug/L	10/19/10	07:43	
61970-5	1960/2	2.15575	0.95097	3.36054	79.03588	ug/L	10/19/10	07:43	
61970-5	Y	937.89892	938.78094	937.01696	0.13299		10/19/10	07:43	
61970-6	Ag	2.47125	3.21296	1.72955	42.44520	ug/L	10/19/10	07:48	
61970-6	Al	6197.20703	6204.46093	6189.95361	0.16552	ug/L	10/19/10	07:48	
61970-6	2Al	6.19709	6.20445	6.18974	0.16788	mg/L	10/19/10	07:48	
61970-6	As	3.19000	5.06164	1.31836	82.97485	ug/L	10/19/10	07:48	
61970-6	B	68.13369	66.55877	69.70861	3.26896	ug/L	10/19/10	07:48	
61970-6	Ba	664.49841	664.68530	664.31146	0.03978	ug/L	10/19/10	07:48	
61970-6	Be	0.21202	0.22063	0.20340	5.74852	ug/L	10/19/10	07:48	
61970-6	Ca	55674.18750	55675.41015	55672.96875	0.00310	ug/L	10/19/10	07:48	
61970-6	Cd	8.07242	8.02178	8.12306	0.88719	ug/L	10/19/10	07:48	
61970-6	Co	583.56750	583.52294	583.61199	0.01079	ug/L	10/19/10	07:48	
61970-6	Cr	373.60757	373.36303	373.85211	0.09256	ug/L	10/19/10	07:48	
61970-6	Cu	100.73107	100.88937	100.57276	0.22224	ug/L	10/19/10	07:48	
61970-6	Fe	57731.55468	57731.67187	57731.43750	0.00028	ug/L	10/19/10	07:48	
61970-6	2Fe	57.71980	57.72056	57.71903	0.00187	mg/L	10/19/10	07:48	
61970-6	K	2629.55468	2638.00463	2621.10473	0.45445	ug/L	10/19/10	07:48	
61970-6	Mg	1959.99731	1952.62048	1967.37426	0.53227	ug/L	10/19/10	07:48	
61970-6	2Mg	1.94948	1.94211	1.95686	0.53499	mg/L	10/19/10	07:48	
61970-6	Mn	424.70672	424.66064	424.75283	0.01534	ug/L	10/19/10	07:48	
61970-6	Mo	7.34583	8.74386	5.94780	26.91469	ug/L	10/19/10	07:48	
61970-6	Na	3658.03613	3765.52246	3550.55004	4.15546	ug/L	10/19/10	07:48	
61970-6	Ni	20.81899	20.63113	21.00685	1.27613	ug/L	10/19/10	07:48	
61970-6	Pb	6449.56640	6445.89501	6453.23730	0.08049	ug/L	10/19/10	07:48	
61970-6	Se	-1.27551	-2.29498	-0.25603	113.03381	ug/L	10/19/10	07:48	
61970-6	Sb	1.20539	3.77177	-1.36099	301.09860	ug/L	10/19/10	07:48	
61970-6	Sn	68.20708	68.25296	68.16120	0.09511	ug/L	10/19/10	07:48	
61970-6	Sr	63.94953	63.90549	63.99357	0.09740	ug/L	10/19/10	07:48	
61970-6	Ti	1090.13012	1090.35595	1089.90429	0.02929	ug/L	10/19/10	07:48	
61970-6	Tl	-6.95910	-6.44095	-7.47726	10.52981	ug/L	10/19/10	07:48	
61970-6	V	9.66872	9.75134	9.58610	1.20846	ug/L	10/19/10	07:48	
61970-6	Zn	13007.97851	13011.09472	13004.86328	0.03387	ug/L	10/19/10	07:48	
61970-6	2203/1	6493.90136	6491.87255	6495.93066	0.04418	ug/L	10/19/10	07:48	
61970-6	2203/2	6427.43164	6422.94042	6431.92285	0.09881	ug/L	10/19/10	07:48	
61970-6	1960/1	7.75360	5.52571	9.98149	40.63545	ug/L	10/19/10	07:48	
61970-6	1960/2	-5.78329	-6.19947	-5.36712	10.17691	ug/L	10/19/10	07:48	
61970-6	Y	961.50146	958.94097	964.06195	0.37660		10/19/10	07:48	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-7	Ag	1.82741	1.00354	2.65128	63.75854	ug/L	10/19/10	07:54	
61970-7	Al	4563.85449	4565.69091	4562.01806	0.05690	ug/L	10/19/10	07:54	
61970-7	2Al	4.56405	4.56578	4.56232	0.05367	mg/L	10/19/10	07:54	
61970-7	As	3.98026	6.40579	1.55473	86.18074	ug/L	10/19/10	07:54	
61970-7	B	4.40416	4.82697	3.98135	13.57683	ug/L	10/19/10	07:54	
61970-7	Ba	8.31841	8.15488	8.48194	2.78013	ug/L	10/19/10	07:54	
61970-7	Be	0.05738	0.04257	0.07218	36.48682	ug/L	10/19/10	07:54	
61970-7	Ca	93973.17187	93879.79687	94066.54687	0.14052	ug/L	10/19/10	07:54	
61970-7	Cd	-0.04317	-0.30040	0.21404	842.46215	ug/L	10/19/10	07:54	
61970-7	Co	1.15485	1.27094	1.03876	14.21637	ug/L	10/19/10	07:54	
61970-7	Cr	4.34530	4.59197	4.09863	8.02816	ug/L	10/19/10	07:54	
61970-7	Cu	26.18934	26.15725	26.22143	0.17330	ug/L	10/19/10	07:54	
61970-7	Fe	968.24731	950.65081	985.84381	2.57012	ug/L	10/19/10	07:54	
61970-7	2Fe	0.96812	0.95053	0.98571	2.57012	mg/L	10/19/10	07:54	
61970-7	K	659.84826	652.44580	667.25073	1.58652	ug/L	10/19/10	07:54	
61970-7	Mg	1713.03381	1712.69384	1713.37377	0.02806	ug/L	10/19/10	07:54	
61970-7	2Mg	1.71239	1.71205	1.71272	0.02781	mg/L	10/19/10	07:54	
61970-7	Mn	22.73063	22.80521	22.65605	0.46400	ug/L	10/19/10	07:54	
61970-7	Mo	0.49322	-0.65623	1.64267	329.58212	ug/L	10/19/10	07:54	
61970-7	Na	1072.57348	959.20330	1185.94360	14.94812	ug/L	10/19/10	07:54	
61970-7	Ni	2.18456	2.08579	2.28334	6.39439	ug/L	10/19/10	07:54	
61970-7	Pb	17.29999	18.15209	16.44789	6.96560	ug/L	10/19/10	07:54	
61970-7	Se	1.90001	2.07668	1.72333	13.15054	ug/L	10/19/10	07:54	
61970-7	Sb	-0.06632	-3.38173	3.24909	7069.76074	ug/L	10/19/10	07:54	
61970-7	Sn	17.93260	17.52236	18.34284	3.23524	ug/L	10/19/10	07:54	
61970-7	Sr	50.67399	50.57865	50.76934	0.26609	ug/L	10/19/10	07:54	
61970-7	Ti	482.22888	482.59091	481.86682	0.10617	ug/L	10/19/10	07:54	
61970-7	Tl	1.03252	1.27734	0.78770	33.53192	ug/L	10/19/10	07:54	
61970-7	V	1.83108	1.39919	2.26298	33.35704	ug/L	10/19/10	07:54	
61970-7	Zn	65.33381	65.03449	65.63313	0.64790	ug/L	10/19/10	07:54	
61970-7	2203/1	21.49552	21.45674	21.53429	0.25510	ug/L	10/19/10	07:54	
61970-7	2203/2	15.20537	16.50224	13.90851	12.06182	ug/L	10/19/10	07:54	
61970-7	1960/1	9.16436	7.14599	11.18273	31.14682	ug/L	10/19/10	07:54	
61970-7	1960/2	-1.72671	-0.45416	-2.99927	104.22469	ug/L	10/19/10	07:54	
61970-7	Y	960.47546	958.90496	962.04595	0.23124		10/19/10	07:54	
61970-8	Ag	1.60299	1.60081	1.60516	0.19213	ug/L	10/19/10	07:59	
61970-8	Al	5467.39257	5461.35400	5473.43066	0.15618	ug/L	10/19/10	07:59	
61970-8	2Al	5.46734	5.46150	5.47317	0.15082	mg/L	10/19/10	07:59	
61970-8	As	-2.17556	-2.69006	-1.66105	33.44498	ug/L	10/19/10	07:59	
61970-8	B	4.10240	5.45865	2.74615	46.75376	ug/L	10/19/10	07:59	
61970-8	Ba	1068.83496	1068.70727	1068.96252	0.01688	ug/L	10/19/10	07:59	
61970-8	Be	0.06005	0.06519	0.05491	12.11051	ug/L	10/19/10	07:59	
61970-8	Ca	5528.34326	5529.82617	5526.86035	0.03793	ug/L	10/19/10	07:59	
61970-8	Cd	0.05040	-0.30948	0.41029	1009.72131	ug/L	10/19/10	07:59	
61970-8	Co	1.46855	1.23308	1.70402	22.67576	ug/L	10/19/10	07:59	
61970-8	Cr	3.88796	3.83522	3.94071	1.91849	ug/L	10/19/10	07:59	
61970-8	Cu	7.63328	6.97092	8.29564	12.27151	ug/L	10/19/10	07:59	
61970-8	Fe	2150.99975	2161.58056	2140.41894	0.69565	ug/L	10/19/10	07:59	
61970-8	2Fe	2.15072	2.16130	2.14014	0.69563	mg/L	10/19/10	07:59	
61970-8	K	1108.46594	1103.77453	1113.15734	0.59854	ug/L	10/19/10	07:59	
61970-8	Mg	517.10052	516.47937	517.72167	0.16987	ug/L	10/19/10	07:59	
61970-8	2Mg	0.51658	0.51596	0.51720	0.17051	mg/L	10/19/10	07:59	
61970-8	Mn	15.63966	15.59860	15.68073	0.37133	ug/L	10/19/10	07:59	
61970-8	Mo	-1.47284	-2.01965	-0.92603	52.50456	ug/L	10/19/10	07:59	
61970-8	Na	1494.69238	1493.40270	1495.98205	0.12202	ug/L	10/19/10	07:59	
61970-8	Ni	4.34363	4.29639	4.39086	1.53794	ug/L	10/19/10	07:59	
61970-8	Pb	5.93110	5.35506	6.50715	13.73519	ug/L	10/19/10	07:59	
61970-8	Se	1.62961	1.01180	2.24742	53.61454	ug/L	10/19/10	07:59	
61970-8	Sb	-5.46618	-4.97727	-5.95510	12.64927	ug/L	10/19/10	07:59	
61970-8	Sn	16.80526	12.74000	20.87053	34.21042	ug/L	10/19/10	07:59	
61970-8	Sr	18.32125	18.32747	18.31502	0.04803	ug/L	10/19/10	07:59	
61970-8	Ti	489.97262	490.31124	489.63400	0.09773	ug/L	10/19/10	07:59	
61970-8	Tl	-2.83645	-3.54777	-2.12513	35.46537	ug/L	10/19/10	07:59	
61970-8	V	1.71304	1.30731	2.11877	33.49522	ug/L	10/19/10	07:59	
61970-8	Zn	68.16708	67.88288	68.45127	0.58959	ug/L	10/19/10	07:59	
61970-8	2203/1	8.42525	6.99624	9.85427	23.98653	ug/L	10/19/10	07:59	
61970-8	2203/2	4.68589	4.53570	4.83609	4.53305	ug/L	10/19/10	07:59	
61970-8	1960/1	4.93223	2.47703	7.38743	70.39769	ug/L	10/19/10	07:59	
61970-8	1960/2	-0.01921	0.28029	-0.31872	2204.47778	ug/L	10/19/10	07:59	
61970-8	Y	966.41992	967.57196	965.26794	0.16857		10/19/10	07:59	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-9	Ag	0.20336	-0.22398	0.63070	297.18783	ug/L	10/19/10	08:04	
61970-9	Al	3195.91088	3197.64086	3194.18090	0.07655	ug/L	10/19/10	08:04	
61970-9	2Al	3.19591	3.19785	3.19397	0.08575	mg/L	10/19/10	08:04	
61970-9	As	8.20743	6.57475	9.84011	28.13249	ug/L	10/19/10	08:04	
61970-9	B	6.52617	5.52021	7.53212	21.79891	ug/L	10/19/10	08:04	
61970-9	Ba	7.21819	7.25852	7.17786	0.79011	ug/L	10/19/10	08:04	
61970-9	Be	0.04902	0.04372	0.05431	15.27644	ug/L	10/19/10	08:04	
61970-9	Ca	4966.17675	4965.51123	4966.84228	0.01895	ug/L	10/19/10	08:04	
61970-9	Cd	0.08628	-0.11925	0.29181	336.88992	ug/L	10/19/10	08:04	
61970-9	Co	9.86887	10.16466	9.57307	4.23875	ug/L	10/19/10	08:04	
61970-9	Cr	2.18835	1.81083	2.56587	24.39708	ug/L	10/19/10	08:04	
61970-9	Cu	5.34596	5.07587	5.61606	7.14499	ug/L	10/19/10	08:04	
61970-9	Fe	606.93688	599.18438	614.68945	1.80640	ug/L	10/19/10	08:04	
61970-9	2Fe	0.60686	0.59911	0.61461	1.80635	mg/L	10/19/10	08:04	
61970-9	K	269.27584	268.10314	270.44854	0.61589	ug/L	10/19/10	08:04	
61970-9	Mg	288.00695	283.69726	292.31661	2.11620	ug/L	10/19/10	08:04	
61970-9	2Mg	0.28782	0.28351	0.29213	2.11628	mg/L	10/19/10	08:04	
61970-9	Mn	11.50728	11.46426	11.55031	0.52871	ug/L	10/19/10	08:04	
61970-9	Mo	-1.38768	-1.38969	-1.38567	0.20500	ug/L	10/19/10	08:04	
61970-9	Na	365.35543	285.30532	445.40554	30.98570	ug/L	10/19/10	08:04	
61970-9	Ni	25.58371	25.74792	25.41950	0.90773	ug/L	10/19/10	08:04	
61970-9	Pb	2.38545	-1.01090	5.78181	201.35264	ug/L	10/19/10	08:04	
61970-9	Se	5.65553	3.13979	8.17127	62.90825	ug/L	10/19/10	08:04	
61970-9	Sb	-2.77407	-3.93938	-1.60877	59.40684	ug/L	10/19/10	08:04	
61970-9	Sn	17.43336	18.85243	16.01428	11.51167	ug/L	10/19/10	08:04	
61970-9	Sr	4.14476	4.05756	4.23195	2.97516	ug/L	10/19/10	08:04	
61970-9	Ti	223.74304	223.48040	224.00569	0.16600	ug/L	10/19/10	08:04	
61970-9	Tl	-6.66093	-9.31952	-4.00234	56.44568	ug/L	10/19/10	08:04	
61970-9	V	1.61138	2.20177	1.02099	51.81489	ug/L	10/19/10	08:04	
61970-9	Zn	170.19598	170.29371	170.09825	0.08120	ug/L	10/19/10	08:04	
61970-9	2203/1	6.12010	3.52372	8.71648	59.99637	ug/L	10/19/10	08:04	
61970-9	2203/2	0.52093	-3.27481	4.31667	1030.46350	ug/L	10/19/10	08:04	
61970-9	1960/1	4.70005	4.43353	4.96656	8.01918	ug/L	10/19/10	08:04	
61970-9	1960/2	6.13256	2.49388	9.77123	83.91046	ug/L	10/19/10	08:04	
61970-9	Y	962.71643	961.39794	964.03497	0.19368		10/19/10	08:04	
61970-10	Ag	0.25497	-0.22398	0.73394	265.65484	ug/L	10/19/10	08:09	
61970-10	Al	53462.39843	53404.44921	53520.35156	0.15329	ug/L	10/19/10	08:09	
61970-10	2Al	53.46399	53.40669	53.52129	0.15156	mg/L	10/19/10	08:09	
61970-10	As	0.70584	2.37598	-0.96428	334.62200	ug/L	10/19/10	08:09	
61970-10	B	133.55894	130.71505	136.40283	3.01130	ug/L	10/19/10	08:09	
61970-10	Ba	3387.33203	3387.62573	3387.03808	0.01226	ug/L	10/19/10	08:09	
61970-10	Be	0.45625	0.42221	0.49029	10.55178	ug/L	10/19/10	08:09	
61970-10	Ca	1018500.37500	1018402.81250	1018597.87500	0.01354	ug/L	10/19/10	08:09	
61970-10	Cd	2.70300	2.81324	2.59276	5.76761	ug/L	10/19/10	08:09	
61970-10	Co	4.43241	4.90801	3.95682	15.17440	ug/L	10/19/10	08:09	
61970-10	Cr	21.41405	21.54606	21.28203	0.87184	ug/L	10/19/10	08:09	
61970-10	Cu	53.27040	53.22163	53.31918	0.12948	ug/L	10/19/10	08:09	
61970-10	Fe	36479.63671	36498.40625	36460.86718	0.07276	ug/L	10/19/10	08:09	
61970-10	2Fe	36.47433	36.49378	36.45487	0.07543	mg/L	10/19/10	08:09	
61970-10	K	9618.91015	9588.92089	9648.89843	0.44090	ug/L	10/19/10	08:09	
61970-10	Mg	18696.79687	18696.86914	18696.72656	0.00053	ug/L	10/19/10	08:09	
61970-10	2Mg	18.68523	18.68530	18.68517	0.00050	mg/L	10/19/10	08:09	
61970-10	Mn	291.35394	291.62677	291.08114	0.13242	ug/L	10/19/10	08:09	
61970-10	Mo	2.23790	1.03848	3.43732	75.79572	ug/L	10/19/10	08:09	
61970-10	Na	12828.93652	12794.32128	12863.55175	0.38158	ug/L	10/19/10	08:09	
61970-10	Ni	20.98453	20.17832	21.79074	5.43330	ug/L	10/19/10	08:09	
61970-10	Pb	31.89885	29.75062	34.04707	9.52399	ug/L	10/19/10	08:09	
61970-10	Se	5.63740	2.31800	8.95680	83.27127	ug/L	10/19/10	08:09	
61970-10	Sb	0.05972	-4.32990	4.44935	10393.72167	ug/L	10/19/10	08:09	
61970-10	Sn	54.80731	51.47212	58.14250	8.60591	ug/L	10/19/10	08:09	
61970-10	Sr	2226.86523	2228.36303	2225.36767	0.09511	ug/L	10/19/10	08:09	
61970-10	Ti	8013.94580	8008.55419	8019.33740	0.09514	ug/L	10/19/10	08:09	
61970-10	Tl	-5.34214	-8.46221	-2.22206	82.59708	ug/L	10/19/10	08:09	
61970-10	V	23.47092	23.29130	23.65055	1.08230	ug/L	10/19/10	08:09	
61970-10	Zn	14534.48828	14544.87500	14524.10253	0.10105	ug/L	10/19/10	08:09	
61970-10	2203/1	42.71735	40.47373	44.96096	7.42777	ug/L	10/19/10	08:09	
61970-10	2203/2	26.49771	24.39711	28.59830	11.21113	ug/L	10/19/10	08:09	
61970-10	1960/1	12.69971	16.44939	8.95003	41.75566	ug/L	10/19/10	08:09	
61970-10	1960/2	2.11154	-4.73709	8.96018	458.68981	ug/L	10/19/10	08:09	
61970-10	Y	922.30645	923.03094	921.58197	0.11108		10/19/10	08:09	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-11	Ag	0.15690	0.98085	-0.66703	742.63250	ug/L	10/19/10	08:15	
61970-11	Al	7684.87353	7686.73876	7683.00830	0.03432	ug/L	10/19/10	08:15	
61970-11	2Al	7.68506	7.68703	7.68308	0.03630	mg/L	10/19/10	08:15	
61970-11	As	-1.01519	-1.55426	-0.47612	75.09517	ug/L	10/19/10	08:15	
61970-11	B	14.10233	14.42420	13.78047	3.22771	ug/L	10/19/10	08:15	
61970-11	Ba	1268.47363	1268.59057	1268.35668	0.01303	ug/L	10/19/10	08:15	
61970-11	Be	0.19159	0.20092	0.18226	6.88635	ug/L	10/19/10	08:15	
61970-11	Ca	472358.68750	472922.43750	471794.96875	0.16877	ug/L	10/19/10	08:15	
61970-11	Cd	0.20941	0.40705	0.01177	133.47257	ug/L	10/19/10	08:15	
61970-11	Co	21.04451	20.67026	21.41876	2.51497	ug/L	10/19/10	08:15	
61970-11	Cr	2.28642	2.38798	2.18486	6.28175	ug/L	10/19/10	08:15	
61970-11	Cu	5.78075	5.65597	5.90552	3.05253	ug/L	10/19/10	08:15	
61970-11	Fe	1021.35845	1033.96813	1008.74877	1.74598	ug/L	10/19/10	08:15	
61970-11	2Fe	1.02123	1.03384	1.00862	1.74597	mg/L	10/19/10	08:15	
61970-11	K	1529.44799	1542.39758	1516.49841	1.19739	ug/L	10/19/10	08:15	
61970-11	Mg	7658.66503	7662.65136	7654.67871	0.07360	ug/L	10/19/10	08:15	
61970-11	2Mg	7.65638	7.66036	7.65240	0.07357	mg/L	10/19/10	08:15	
61970-11	Mn	132.65286	132.65582	132.64991	0.00314	ug/L	10/19/10	08:15	
61970-11	Mo	0.98473	0.93802	1.03144	6.70830	ug/L	10/19/10	08:15	
61970-11	Na	2653.36987	2857.88232	2448.85742	10.90026	ug/L	10/19/10	08:15	
61970-11	Ni	3.46817	4.13815	2.79819	27.31961	ug/L	10/19/10	08:15	
61970-11	Pb	22.44764	23.25228	21.64300	5.06929	ug/L	10/19/10	08:15	
61970-11	Se	-4.85906	-2.81360	-6.90453	59,53238	ug/L	10/19/10	08:15	
61970-11	Sb	-4.66340	-6.83361	-2.49319	65.81333	ug/L	10/19/10	08:15	
61970-11	Sn	17.78739	19.10993	16.46486	10.51500	ug/L	10/19/10	08:15	
61970-11	Sr	1314.78466	1312.30834	1317.26110	0.26636	ug/L	10/19/10	08:15	
61970-11	Ti	893.27722	893.92993	892.62451	0.10333	ug/L	10/19/10	08:15	
61970-11	Tl	-6.10494	-6.48848	-5.72141	8.88454	ug/L	10/19/10	08:15	
61970-11	V	4.34056	5.11838	3.56275	25.34231	ug/L	10/19/10	08:15	
61970-11	Zn	171.26762	171.21945	171.31579	0.03977	ug/L	10/19/10	08:15	
61970-11	2203/1	26.48044	27.87518	25.08569	7.44878	ug/L	10/19/10	08:15	
61970-11	2203/2	20.43426	20.94429	19.92423	3.52983	ug/L	10/19/10	08:15	
61970-11	1960/1	-4.57197	0.95396	-10.09791	170.92967	ug/L	10/19/10	08:15	
61970-11	1960/2	-5.00240	-4.69457	-5.31023	8.70258	ug/L	10/19/10	08:15	
61970-11	Y	928.99346	928.11596	929.87097	0.13358		10/19/10	08:15	
61970-12	Ag	5.11440	5.96667	4.26213	23.56664	ug/L	10/19/10	08:20	
61970-12	Al	52643.73437	52659.97265	52627.49609	0.04362	ug/L	10/19/10	08:20	
61970-12	2Al	52.64459	52.65933	52.62985	0.03960	mg/L	10/19/10	08:20	
61970-12	As	2.44860	0.21126	4.68595	129.21958	ug/L	10/19/10	08:20	
61970-12	B	109.35121	110.01713	108.68528	0.86122	ug/L	10/19/10	08:20	
61970-12	Ba	514.11254	514.54431	513.68078	0.11876	ug/L	10/19/10	08:20	
61970-12	Be	1.41432	1.42157	1.40708	0.72432	ug/L	10/19/10	08:20	
61970-12	Ca	2221725.00000	2228031.50000	2215418.25000	0.40144	ug/L	10/19/10	08:20	
61970-12	Cd	7.19277	7.17900	7.20654	0.27072	ug/L	10/19/10	08:20	
61970-12	Co	412.66290	413.88677	411.43902	0.41942	ug/L	10/19/10	08:20	
61970-12	Cr	940.80120	940.98889	940.61352	0.02821	ug/L	10/19/10	08:20	
61970-12	Cu	111.24133	111.53875	110.94390	0.37811	ug/L	10/19/10	08:20	
61970-12	Fe	21030.34179	21062.90625	20997.77734	0.21898	ug/L	10/19/10	08:20	
61970-12	2Fe	21.02708	21.05891	20.99524	0.21410	mg/L	10/19/10	08:20	
61970-12	K	18338.86328	18336.71679	18341.00976	0.01655	ug/L	10/19/10	08:20	
61970-12	Mg	37226.17578	37280.53906	37171.81250	0.20652	ug/L	10/19/10	08:20	
61970-12	2Mg	37.21217	37.26651	37.15782	0.20652	mg/L	10/19/10	08:20	
61970-12	Mn	444.45312	445.15759	443.74865	0.22415	ug/L	10/19/10	08:20	
61970-12	Mo	12.87718	11.19548	14.55889	18.46902	ug/L	10/19/10	08:20	
61970-12	Na	17082.98828	17057.39062	17108.58398	0.21190	ug/L	10/19/10	08:20	
61970-12	Ni	22.85558	24.85465	20.85651	12.36943	ug/L	10/19/10	08:20	
61970-12	Pb	8521.50781	8555.10351	8487.91113	0.55755	ug/L	10/19/10	08:20	
61970-12	Se	-0.87869	0.89334	-2.65073	285.20101	ug/L	10/19/10	08:20	
61970-12	Sb	6.58903	4.73929	8.43877	39.70123	ug/L	10/19/10	08:20	
61970-12	Sn	104.06111	105.87545	102.24678	2.46572	ug/L	10/19/10	08:20	
61970-12	Sr	1376.47631	1380.71936	1372.23327	0.43593	ug/L	10/19/10	08:20	
61970-12	Ti	5254.15234	5255.50341	5252.80078	0.03637	ug/L	10/19/10	08:20	
61970-12	Tl	-6.76445	-8.28523	-5.24368	31.79416	ug/L	10/19/10	08:20	
61970-12	V	57.22418	56.98131	57.46705	0.60021	ug/L	10/19/10	08:20	
61970-12	Zn	21199.55468	21218.35156	21180.75585	0.12539	ug/L	10/19/10	08:20	
61970-12	2203/1	8611.63085	8613.31640	8609.94433	0.02768	ug/L	10/19/10	08:20	
61970-12	2203/2	8476.51367	8526.04003	8426.98632	0.82630	ug/L	10/19/10	08:20	
61970-12	1960/1	4.67230	4.12200	5.22260	16.65647	ug/L	10/19/10	08:20	
61970-12	1960/2	-3.65003	-0.71856	-6.58150	113.58049	ug/L	10/19/10	08:20	
61970-12	Y	876.81146	874.63793	878.98498	0.35056		10/19/10	08:20	

85

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-13	Ag	1.48657	0.48613	2.48702	95.17474	ug/L	10/19/10	08:25	
61970-13	Al	86696.32812	86689.70312	86702.94531	0.01080	ug/L	10/19/10	08:25	
61970-13	2Al	86.69570	86.69018	86.70123	0.00901	mg/L	10/19/10	08:25	
61970-13	As	4.59020	3.11121	6.06919	45.56675	ug/L	10/19/10	08:25	
61970-13	B	83.24978	82.14785	84.35172	1.87191	ug/L	10/19/10	08:25	
61970-13	Ba	540.88793	541.18182	540.59399	0.07684	ug/L	10/19/10	08:25	
61970-13	Be	0.65127	0.61692	0.68563	7.45947	ug/L	10/19/10	08:25	
61970-13	Ca	1287761.25000	1286958.12500	1288564.37500	0.08819	ug/L	10/19/10	08:25	
61970-13	Cd	3.67146	3.42238	3.92055	9.59465	ug/L	10/19/10	08:25	
61970-13	Co	649.36370	648.80084	649.92657	0.12258	ug/L	10/19/10	08:25	
61970-13	Cr	2530.64550	2531.51220	2529.77856	0.04844	ug/L	10/19/10	08:25	
61970-13	Cu	176.98629	176.69252	177.28005	0.23473	ug/L	10/19/10	08:25	
61970-13	Fe	21050.69140	21063.21093	21038.16992	0.08411	ug/L	10/19/10	08:25	
61970-13	2Fe	21.04682	21.05934	21.03430	0.08412	mg/L	10/19/10	08:25	
61970-13	K	6711.08349	6692.23437	6729.93261	0.39720	ug/L	10/19/10	08:25	
61970-13	Mg	20943.76757	20940.14257	20947.39257	0.02447	ug/L	10/19/10	08:25	
61970-13	2Mg	20.93430	20.93068	20.93793	0.02449	mg/L	10/19/10	08:25	
61970-13	Mn	339.92944	340.25592	339.60296	0.13582	ug/L	10/19/10	08:25	
61970-13	Mo	3.90980	4.44316	3.37644	19.29206	ug/L	10/19/10	08:25	
61970-13	Na	8192.15039	8173.06787	8211.23242	0.32941	ug/L	10/19/10	08:25	
61970-13	Ni	27.20148	27.14422	27.25873	0.29767	ug/L	10/19/10	08:25	
61970-13	Pb	13518.44921	13528.46093	13508.43652	0.10474	ug/L	10/19/10	08:25	
61970-13	Se	2.58472	0.44839	4.72105	116.88800	ug/L	10/19/10	08:25	
61970-13	Sb	3.55931	1.54008	5.57854	80.22943	ug/L	10/19/10	08:25	
61970-13	Sn	214.47143	212.12326	216.81961	1.54837	ug/L	10/19/10	08:25	
61970-13	Sr	702.21081	701.81591	702.60571	0.07953	ug/L	10/19/10	08:25	
61970-13	Ti	8752.24414	8749.96289	8754.52539	0.03686	ug/L	10/19/10	08:25	
61970-13	Tl	-5.38551	-11.77763	1.00659	167.85423	ug/L	10/19/10	08:25	
61970-13	V	83.32579	83.10692	83.54464	0.37145	ug/L	10/19/10	08:25	
61970-13	Zn	10199.30957	10195.88964	10202.72949	0.04741	ug/L	10/19/10	08:25	
61970-13	2203/1	13620.25976	13592.49121	13648.02929	0.28833	ug/L	10/19/10	08:25	
61970-13	2203/2	13467.61914	13496.49316	13438.74511	0.30320	ug/L	10/19/10	08:25	
61970-13	1960/1	8.56553	-4.57382	21.70490	216.93753	ug/L	10/19/10	08:25	
61970-13	1960/2	-0.40119	2.95573	-3.75813	1183.30615	ug/L	10/19/10	08:25	
61970-13	Y	911.73144	911.67297	911.78997	0.00907		10/19/10	08:25	
CCV	Ag	505.01715	506.19647	503.83779	0.33025	ug/L	10/19/10	08:32	
CCV	Al	5149.76269	5153.31396	5146.21191	0.09751	ug/L	10/19/10	08:32	
CCV	2Al	5.14964	5.15298	5.14629	0.09177	mg/L	10/19/10	08:32	
CCV	As	506.98815	513.48809	500.48825	1.81311	ug/L	10/19/10	08:32	
CCV	B	5034.05664	5039.77978	5028.33349	0.16077	ug/L	10/19/10	08:32	
CCV	Ba	5032.83398	5046.26025	5019.40722	0.37728	ug/L	10/19/10	08:32	
CCV	Be	503.14431	505.16104	501.12759	0.56685	ug/L	10/19/10	08:32	
CCV	Ca	5138.45507	5021.43701	5255.47265	3.22058	ug/L	10/19/10	08:32	
CCV	Cd	493.16839	496.62600	489.71081	0.99150	ug/L	10/19/10	08:32	
CCV	Co	509.15551	510.48199	507.82901	0.36844	ug/L	10/19/10	08:32	
CCV	Cr	5047.16845	5060.08007	5034.25683	0.36178	ug/L	10/19/10	08:32	
CCV	Cu	5076.45068	5089.37011	5063.53125	0.35991	ug/L	10/19/10	08:32	
CCV	Fe	5031.89062	5032.98828	5030.79296	0.03084	ug/L	10/19/10	08:32	
CCV	2Fe	5.03189	5.03299	5.03080	0.03089	mg/L	10/19/10	08:32	
CCV	K	10191.12500	10199.44335	10182.80664	0.11543	ug/L	10/19/10	08:32	
CCV	Mg	5182.23144	5187.46044	5177.00195	0.14270	ug/L	10/19/10	08:32	
CCV	2Mg	5.18222	5.18745	5.17699	0.14284	mg/L	10/19/10	08:32	
CCV	Mn	5112.86914	5126.20410	5099.53466	0.36883	ug/L	10/19/10	08:32	
CCV	Mo	492.08688	495.11474	489.05902	0.87018	ug/L	10/19/10	08:32	
CCV	Na	7610.99023	7705.36962	7516.61132	1.75367	ug/L	10/19/10	08:32	
CCV	Ni	2521.99316	2530.75341	2513.23291	0.49123	ug/L	10/19/10	08:32	
CCV	Pb	509.41589	508.06900	510.76278	0.37391	ug/L	10/19/10	08:32	
CCV	Se	4976.62011	5003.18115	4950.05957	0.75478	ug/L	10/19/10	08:32	
CCV	Sb	494.49151	497.64340	491.33959	0.90142	ug/L	10/19/10	08:32	
CCV	Sn	5051.57617	5057.34130	5045.81152	0.16139	ug/L	10/19/10	08:32	
CCV	Sr	2510.21826	2521.16528	2499.27099	0.61674	ug/L	10/19/10	08:32	
CCV	Ti	507.06829	508.23739	505.89920	0.32606	ug/L	10/19/10	08:32	
CCV	Tl	4982.53320	4991.73974	4973.32714	0.26130	ug/L	10/19/10	08:32	
CCV	V	5100.30566	5112.88427	5087.72656	0.34878	ug/L	10/19/10	08:32	
CCV	Zn	2523.40625	2528.65454	2518.15820	0.29412	ug/L	10/19/10	08:32	
CCV	2203/1	517.84637	518.24591	517.44683	0.10911	ug/L	10/19/10	08:32	
CCV	2203/2	505.20697	502.98815	507.42575	0.62110	ug/L	10/19/10	08:32	
CCV	1960/1	5121.11914	5142.24121	5099.99755	0.58328	ug/L	10/19/10	08:32	
CCV	1960/2	4904.47900	4933.75537	4875.20263	0.84418	ug/L	10/19/10	08:32	
CCV	Y	957.64495	956.69097	958.59893	0.14088		10/19/10	08:32	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.31721	-0.53382	-0.10061	96.56621	ug/L	10/19/10	08:39	
CCB	Al	-12.31185	-15.94124	-8.68246	41.68931	ug/L	10/19/10	08:39	
CCB	2Al	-0.01231	-0.01594	-0.00868	41.68931	mg/L	10/19/10	08:39	
CCB	As	-0.45182	0.01027	-0.91392	144.63648	ug/L	10/19/10	08:39	
CCB	B	2.87392	3.62841	2.11943	37.12728	ug/L	10/19/10	08:39	
CCB	Ba	1.03589	0.36290	1.70888	91.87753	ug/L	10/19/10	08:39	
CCB	Be	0.09542	0.01919	0.17164	112.96706	ug/L	10/19/10	08:39	
CCB	Ca	45.39391	16.70934	74.07849	89.36464	ug/L	10/19/10	08:39	
CCB	Cd	0.10878	0.11691	0.10065	10.57062	ug/L	10/19/10	08:39	
CCB	Co	0.55905	0.34352	0.77458	54.52088	ug/L	10/19/10	08:39	
CCB	Cr	1.32416	0.00263	2.64570	141.14004	ug/L	10/19/10	08:39	
CCB	Cu	1.45397	0.05871	2.84923	135.71078	ug/L	10/19/10	08:39	
CCB	Fe	-0.02385	-11.35547	11.30776	67177.46875	ug/L	10/19/10	08:39	
CCB	2Fe	-0.00002	-0.01135	0.01130	67788.35937	mg/L	10/19/10	08:39	
CCB	K	2.55095	12.22380	-7.12190	536.25006	ug/L	10/19/10	08:39	
CCB	Mg	-4.18339	-5.77678	-2.59000	53.86527	ug/L	10/19/10	08:39	
CCB	2Mg	-0.00418	-0.00577	-0.00259	53.81875	mg/L	10/19/10	08:39	
CCB	Mn	1.03797	0.09058	1.98536	129.07929	ug/L	10/19/10	08:39	
CCB	Mo	-1.45003	-1.12857	-1.77150	31.35229	ug/L	10/19/10	08:39	
CCB	Na	-128.93867	-30.55514	-227.32221	107.90814	ug/L	10/19/10	08:39	
CCB	Ni	0.60095	0.56751	0.63439	7.86951	ug/L	10/19/10	08:39	
CCB	Pb	-2.89683	-3.51123	-2.28242	29.99475	ug/L	10/19/10	08:39	
CCB	Se	-2.01674	5.06417	-9.09766	496.54013	ug/L	10/19/10	08:39	
CCB	Sb	-0.86562	0.48348	-2.21472	220.41119	ug/L	10/19/10	08:39	
CCB	Sn	1.92325	3.77631	0.07018	136.26075	ug/L	10/19/10	08:39	
CCB	Sr	0.52251	0.06577	0.97926	123.61976	ug/L	10/19/10	08:39	
CCB	Ti	0.36852	0.28867	0.44836	30.64082	ug/L	10/19/10	08:39	
CCB	Tl	-2.89878	-4.34706	-1.45051	70.65617	ug/L	10/19/10	08:39	
CCB	V	0.44086	0.09043	0.79129	112.41062	ug/L	10/19/10	08:39	
CCB	Zn	1.31110	0.73109	1.89110	62.56155	ug/L	10/19/10	08:39	
CCB	2203/1	-3.90606	-1.09995	-6.71218	101.59691	ug/L	10/19/10	08:39	
CCB	2203/2	-2.39296	-4.71506	-0.07087	137.23294	ug/L	10/19/10	08:39	
CCB	1960/1	5.47125	11.50609	-0.56359	155.98916	ug/L	10/19/10	08:39	
CCB	1960/2	-5.75512	1.84804	-13.35829	186.83364	ug/L	10/19/10	08:39	
CCB	Y	951.91650	949.76098	954.07196	0.32022		10/19/10	08:39	
61970-14	Ag	7.47505	7.60012	7.34998	2.36621	ug/L	10/19/10	08:44	
61970-14	Al	144962.84375	144911.03125	145014.67187	0.05055	ug/L	10/19/10	08:44	
61970-14	2Al	144.96667	144.91432	145.01902	0.05107	mg/L	10/19/10	08:44	
61970-14	As	6.38506	8.08066	4.68946	37.55547	ug/L	10/19/10	08:44	
61970-14	B	134.80728	134.55314	135.06140	0.26659	ug/L	10/19/10	08:44	
61970-14	Ba	454.61929	455.20846	454.03012	0.18327	ug/L	10/19/10	08:44	
61970-14	Be	0.94365	0.93856	0.94874	0.76250	ug/L	10/19/10	08:44	
61970-14	Ca	1159108.25000	1161325.00000	1156891.37500	0.27047	ug/L	10/19/10	08:44	
61970-14	Cd	28.05705	27.91171	28.20239	0.73258	ug/L	10/19/10	08:44	
61970-14	Co	840.93206	841.72802	840.13610	0.13385	ug/L	10/19/10	08:44	
61970-14	Cr	410.09765	410.87475	409.32052	0.26798	ug/L	10/19/10	08:44	
61970-14	Cu	1018.20733	1019.43139	1016.98327	0.17001	ug/L	10/19/10	08:44	
61970-14	Fe	91077.17187	91206.00781	90948.32812	0.20005	ug/L	10/19/10	08:44	
61970-14	2Fe	91.06243	91.19056	90.93429	0.19899	mg/L	10/19/10	08:44	
61970-14	K	52778.06640	52780.96093	52775.17187	0.00775	ug/L	10/19/10	08:44	
61970-14	Mg	19638.98437	19666.98437	19610.98242	0.20163	ug/L	10/19/10	08:44	
61970-14	2Mg	19.61768	19.64565	19.58971	0.20163	mg/L	10/19/10	08:44	
61970-14	Mn	567.98876	568.86682	567.11071	0.21862	ug/L	10/19/10	08:44	
61970-14	Mo	3.64577	3.25891	4.03263	15.00652	ug/L	10/19/10	08:44	
61970-14	Na	42018.14062	41953.35156	42082.92968	0.21806	ug/L	10/19/10	08:44	
61970-14	Ni	44.55189	45.22085	43.88293	2.12349	ug/L	10/19/10	08:44	
61970-14	Pb	6928.23339	6936.50488	6919.96142	0.16884	ug/L	10/19/10	08:44	
61970-14	Se	-9.91420	-12.19524	-7.63316	32.53794	ug/L	10/19/10	08:44	
61970-14	Sb	-2.39520	-5.23914	0.44874	167.91683	ug/L	10/19/10	08:44	
61970-14	Sn	75.65981	74.86198	76.45764	1.49128	ug/L	10/19/10	08:44	
61970-14	Sr	655.02972	657.17749	652.88195	0.46370	ug/L	10/19/10	08:44	
61970-14	Ti	4540.99902	4544.97802	4537.01953	0.12392	ug/L	10/19/10	08:44	
61970-14	Tl	-9.39574	-12.92534	-5.86614	53.12624	ug/L	10/19/10	08:44	
61970-14	V	72.64311	72.29205	72.99417	0.68344	ug/L	10/19/10	08:44	
61970-14	Zn	19921.14453	19959.17968	19883.11132	0.27000	ug/L	10/19/10	08:44	
61970-14	2203/1	6974.99023	6956.56396	6993.41699	0.37360	ug/L	10/19/10	08:44	
61970-14	2203/2	6904.88964	6926.49023	6883.28906	0.44240	ug/L	10/19/10	08:44	
61970-14	1960/1	-7.57097	-4.51061	-10.63133	57.16574	ug/L	10/19/10	08:44	
61970-14	1960/2	-11.08405	-16.03177	-6.13632	63.12802	ug/L	10/19/10	08:44	
61970-14	Y	917.31591	917.70294	916.92895	0.05966		10/19/10	08:44	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT....
61970-15	Ag	0.14612	0.51624	-0.22398	358.19415	ug/L	10/19/10	08:49	
61970-15	Al	19297.28906	19285.19140	19309.38671	0.08865	ug/L	10/19/10	08:49	
61970-15	2Al	19.29688	19.28521	19.30856	0.08556	mg/L	10/19/10	08:49	
61970-15	As	0.00795	0.75005	-0.73414	13195.03613	ug/L	10/19/10	08:49	
61970-15	B	1.59251	2.43803	0.74698	75.08605	ug/L	10/19/10	08:49	
61970-15	Ba	51.58562	51.67967	51.49156	0.25785	ug/L	10/19/10	08:49	
61970-15	Be	0.03994	0.05929	0.02059	68.50626	ug/L	10/19/10	08:49	
61970-15	Ca	122.14147	128.59742	115.68553	7.47500	ug/L	10/19/10	08:49	
61970-15	Cd	-0.02710	0.35273	-0.40694	1981.79956	ug/L	10/19/10	08:49	
61970-15	Co	6.25141	6.29285	6.20998	0.93741	ug/L	10/19/10	08:49	
61970-15	Cr	1919.69897	1918.77148	1920.62658	0.06833	ug/L	10/19/10	08:49	
61970-15	Cu	8.45821	8.86530	8.05111	6.80659	ug/L	10/19/10	08:49	
61970-15	Fe	232.29721	222.71188	241.88252	5.83549	ug/L	10/19/10	08:49	
61970-15	2Fe	0.23225	0.22267	0.24183	5.83577	mg/L	10/19/10	08:49	
61970-15	K	63.87915	67.65828	60.10001	8.36658	ug/L	10/19/10	08:49	
61970-15	Mg	21.25835	22.81116	19.70553	10.33009	ug/L	10/19/10	08:49	
61970-15	2Mg	0.02121	0.02276	0.01965	10.36043	mg/L	10/19/10	08:49	
61970-15	Mn	4.13264	4.17983	4.08545	1.61488	ug/L	10/19/10	08:49	
61970-15	Mo	3.60513	3.50822	3.70204	3.80167	ug/L	10/19/10	08:49	
61970-15	Na	431.07217	464.42886	397.71548	10.94329	ug/L	10/19/10	08:49	
61970-15	Ni	4.73522	5.60271	3.86772	25.90837	ug/L	10/19/10	08:49	
61970-15	Pb	7.26738	7.34743	7.18734	1.55763	ug/L	10/19/10	08:49	
61970-15	Se	-4.17470	-7.35262	-0.99679	107.65425	ug/L	10/19/10	08:49	
61970-15	Sb	0.64010	-1.66946	2.94967	510.26452	ug/L	10/19/10	08:49	
61970-15	Sn	13.24483	12.11332	14.37633	12.08159	ug/L	10/19/10	08:49	
61970-15	Sr	3301.72753	3302.91406	3300.54077	0.05082	ug/L	10/19/10	08:49	
61970-15	Ti	34.55760	35.10487	34.01034	2.23960	ug/L	10/19/10	08:49	
61970-15	Tl	-4.56444	-7.48044	-1.64844	90.34703	ug/L	10/19/10	08:49	
61970-15	V	0.10865	0.52416	-0.30686	540.84613	ug/L	10/19/10	08:49	
61970-15	Zn	13035.71191	13044.13574	13027.28808	0.09138	ug/L	10/19/10	08:49	
61970-15	2203/1	12.31057	14.79952	9.82163	28.59248	ug/L	10/19/10	08:49	
61970-15	2203/2	4.74956	3.62696	5.87217	33.42612	ug/L	10/19/10	08:49	
61970-15	1960/1	4.91034	2.18686	7.63383	78.43824	ug/L	10/19/10	08:49	
61970-15	1960/2	-8.71042	-12.11521	-5.30563	55.27973	ug/L	10/19/10	08:49	
61970-15	Y	952.96044	954.08996	951.83093	0.16762		10/19/10	08:49	
61970-16	Ag	1.90378	2.02400	1.78356	8.93050	ug/L	10/19/10	08:55	
61970-16	Al	4312.80664	4312.25927	4313.35449	0.01795	ug/L	10/19/10	08:55	
61970-16	2Al	4.31277	4.31212	4.31342	0.02142	mg/L	10/19/10	08:55	
61970-16	As	79.17900	76.12194	82.23606	5.46021	ug/L	10/19/10	08:55	
61970-16	B	142.24267	141.57485	142.91050	0.66396	ug/L	10/19/10	08:55	
61970-16	Ba	147.54119	147.55902	147.52337	0.01708	ug/L	10/19/10	08:55	
61970-16	Be	0.07486	0.07592	0.07380	2.00049	ug/L	10/19/10	08:55	
61970-16	Ca	83180.59375	83106.23437	83254.96093	0.12643	ug/L	10/19/10	08:55	
61970-16	Cd	23.93430	23.81627	24.05232	0.69736	ug/L	10/19/10	08:55	
61970-16	Co	287.03329	286.24636	287.82022	0.38771	ug/L	10/19/10	08:55	
61970-16	Cr	227.25534	226.62701	227.88365	0.39100	ug/L	10/19/10	08:55	
61970-16	Cu	51.18118	51.13265	51.22970	0.13409	ug/L	10/19/10	08:55	
61970-16	Fe	46838.06640	46766.70703	46909.42578	0.21546	ug/L	10/19/10	08:55	
61970-16	2Fe	46.82884	46.75683	46.90086	0.21748	mg/L	10/19/10	08:55	
61970-16	K	930.50842	935.74676	925.27001	0.79614	ug/L	10/19/10	08:55	
61970-16	Mg	1228.00354	1228.35070	1227.65637	0.03998	ug/L	10/19/10	08:55	
61970-16	2Mg	1.21946	1.21982	1.21910	0.04171	mg/L	10/19/10	08:55	
61970-16	Mn	90.47903	90.43426	90.52379	0.06996	ug/L	10/19/10	08:55	
61970-16	Mo	51.81731	52.40161	51.23301	1.59468	ug/L	10/19/10	08:55	
61970-16	Na	1922.68469	1915.84362	1929.52575	0.50318	ug/L	10/19/10	08:55	
61970-16	Ni	13.07639	12.71274	13.44003	3.93284	ug/L	10/19/10	08:55	
61970-16	Pb	107307.87500	107207.96093	107407.78125	0.13167	ug/L	10/19/10	08:55	
61970-16	Se	4.81639	5.97528	3.65751	34.02770	ug/L	10/19/10	08:55	
61970-16	Sb	98.11711	98.61351	97.62070	0.71549	ug/L	10/19/10	08:55	
61970-16	Sn	96.00999	95.13036	96.88963	1.29568	ug/L	10/19/10	08:55	
61970-16	Sr	54.51729	54.55975	54.47483	0.11014	ug/L	10/19/10	08:55	
61970-16	Ti	395.31646	394.99227	395.64065	0.11597	ug/L	10/19/10	08:55	
61970-16	Tl	-8.47138	-12.92176	-4.02099	74.29479	ug/L	10/19/10	08:55	
61970-16	V	7.76561	7.87380	7.65741	1.97036	ug/L	10/19/10	08:55	
61970-16	Zn	87646.95312	87613.42968	87680.48437	0.05409	ug/L	10/19/10	08:55	
61970-16	2203/1	108031.82031	108024.53906	108039.10156	0.00953	ug/L	10/19/10	08:55	
61970-16	2203/2	106946.43750	106800.28906	107092.59375	0.19326	ug/L	10/19/10	08:55	
61970-16	1960/1	5.36881	7.91150	2.82612	66.97762	ug/L	10/19/10	08:55	
61970-16	1960/2	4.54060	5.00862	4.07258	14.57693	ug/L	10/19/10	08:55	
61970-16	Y	940.31542	942.50695	938.12396	0.32959		10/19/10	08:55	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-17	Ag	1.91130	2.13001	1.69260	16.18233	ug/L	10/19/10	09:00	
61970-17	Al	9279.13085	9287.54980	9270.71289	0.12830	ug/L	10/19/10	09:00	
61970-17	2Al	9.27932	9.28753	9.27111	0.12509	mg/L	10/19/10	09:00	
61970-17	As	-0.69667	-1.46771	0.07436	156.51666	ug/L	10/19/10	09:00	
61970-17	B	210.07965	208.93225	211.22705	0.77240	ug/L	10/19/10	09:00	
61970-17	Ba	37.86939	38.01520	37.72357	0.54453	ug/L	10/19/10	09:00	
61970-17	Be	0.08103	0.08519	0.07688	7.25388	ug/L	10/19/10	09:00	
61970-17	Ca	13719.46484	13729.83984	13709.08984	0.10694	ug/L	10/19/10	09:00	
61970-17	Cd	5.00393	5.25500	4.75286	7.09577	ug/L	10/19/10	09:00	
61970-17	Co	129.50787	130.01509	129.00067	0.55386	ug/L	10/19/10	09:00	
61970-17	Cr	31.82202	31.29891	32.34514	2.32478	ug/L	10/19/10	09:00	
61970-17	Cu	46.05173	46.28606	45.81739	0.71963	ug/L	10/19/10	09:00	
61970-17	Fe	26968.00781	26987.84375	26948.17382	0.10401	ug/L	10/19/10	09:00	
61970-17	2Fe	26.96396	26.98312	26.94479	0.10052	mg/L	10/19/10	09:00	
61970-17	K	3910.26953	3903.50024	3917.03906	0.24482	ug/L	10/19/10	09:00	
61970-17	Mg	5980.45898	5991.11816	5969.80029	0.25205	ug/L	10/19/10	09:00	
61970-17	2Mg	5.97407	5.98472	5.96341	0.25218	mg/L	10/19/10	09:00	
61970-17	Mn	93.65403	93.85121	93.45684	0.29775	ug/L	10/19/10	09:00	
61970-17	Mo	-0.75720	-2.70949	1.19508	364.62332	ug/L	10/19/10	09:00	
61970-17	Na	5464.12304	5441.06591	5487.18066	0.59676	ug/L	10/19/10	09:00	
61970-17	Ni	37.40650	37.70553	37.10746	1.13056	ug/L	10/19/10	09:00	
61970-17	Pb	518.62646	518.87817	518.37475	0.06863	ug/L	10/19/10	09:00	
61970-17	Se	-1.42213	-2.43951	-0.40475	101.17117	ug/L	10/19/10	09:00	
61970-17	Sb	-0.42399	-4.85844	4.01045	1479.09423	ug/L	10/19/10	09:00	
61970-17	Sn	195.35668	195.40435	195.30903	0.03450	ug/L	10/19/10	09:00	
61970-17	Sr	32.72778	32.75192	32.70363	0.10431	ug/L	10/19/10	09:00	
61970-17	Ti	458.65844	459.59194	457.72491	0.28783	ug/L	10/19/10	09:00	
61970-17	Tl	-4.56013	-5.77796	-3.34231	37.76793	ug/L	10/19/10	09:00	
61970-17	V	5.23705	4.98662	5.48749	6.76273	ug/L	10/19/10	09:00	
61970-17	Zn	7509.11718	7511.02441	7507.21044	0.03591	ug/L	10/19/10	09:00	
61970-17	2203/1	525.79211	530.60791	520.97631	1.29529	ug/L	10/19/10	09:00	
61970-17	2203/2	515.04901	513.02209	517.07592	0.55654	ug/L	10/19/10	09:00	
61970-17	1960/1	3.16035	7.98294	-1.66223	215.80407	ug/L	10/19/10	09:00	
61970-17	1960/2	-3.70994	-7.64292	0.22304	149.92359	ug/L	10/19/10	09:00	
61970-17	Y	951.00292	950.06695	951.93896	0.13919		10/19/10	09:00	
61970-18	Ag	1.45790	1.93559	0.98021	46.33725	ug/L	10/19/10	09:05	
61970-18	Al	36948.27343	36974.76562	36921.77734	0.10140	ug/L	10/19/10	09:05	
61970-18	2Al	36.94834	36.97289	36.92379	0.09395	mg/L	10/19/10	09:05	
61970-18	As	1.82650	0.17917	3.47383	127.54847	ug/L	10/19/10	09:05	
61970-18	B	256.56039	257.44192	255.67887	0.48591	ug/L	10/19/10	09:05	
61970-18	Ba	248.62484	248.63212	248.61758	0.00413	ug/L	10/19/10	09:05	
61970-18	Be	0.27286	0.23878	0.30694	17.66334	ug/L	10/19/10	09:05	
61970-18	Ca	517021.62500	516387.59375	517655.68750	0.17343	ug/L	10/19/10	09:05	
61970-18	Cd	1.34722	1.36057	1.33386	1.40187	ug/L	10/19/10	09:05	
61970-18	Co	150.50610	150.44146	150.57072	0.06072	ug/L	10/19/10	09:05	
61970-18	Cr	1750.16723	1751.42639	1748.90808	0.10174	ug/L	10/19/10	09:05	
61970-18	Cu	41.07641	40.62263	41.53019	1.56232	ug/L	10/19/10	09:05	
61970-18	Fe	24960.02734	24915.32812	25004.72656	0.25326	ug/L	10/19/10	09:05	
61970-18	2Fe	24.95553	24.90947	25.00159	0.26102	mg/L	10/19/10	09:05	
61970-18	K	4321.27978	4311.49609	4331.06347	0.32018	ug/L	10/19/10	09:05	
61970-18	Mg	8408.62792	8401.46289	8415.79296	0.12050	ug/L	10/19/10	09:05	
61970-18	2Mg	8.40198	8.39482	8.40913	0.12043	mg/L	10/19/10	09:05	
61970-18	Mn	257.22448	257.35061	257.09832	0.06935	ug/L	10/19/10	09:05	
61970-18	Mo	4.89172	4.37295	5.41049	14.99775	ug/L	10/19/10	09:05	
61970-18	Na	7248.11035	7258.52636	7237.69384	0.20323	ug/L	10/19/10	09:05	
61970-18	Ni	25.35887	24.54450	26.17325	4.54159	ug/L	10/19/10	09:05	
61970-18	Pb	9091.33984	9087.03808	9095.64160	0.06691	ug/L	10/19/10	09:05	
61970-18	Se	-1.16261	-4.30562	1.98040	382.31982	ug/L	10/19/10	09:05	
61970-18	Sb	7.12351	6.28837	7.95865	16.57978	ug/L	10/19/10	09:05	
61970-18	Sn	52.67780	50.94398	54.41162	4.65469	ug/L	10/19/10	09:05	
61970-18	Sr	592.99072	593.22802	592.75347	0.05658	ug/L	10/19/10	09:05	
61970-18	Ti	6231.02929	6231.06250	6230.99560	0.00075	ug/L	10/19/10	09:05	
61970-18	Tl	0.42780	-6.25439	7.11000	2208.98046	ug/L	10/19/10	09:05	
61970-18	V	38.28652	36.84302	39.73003	5.33197	ug/L	10/19/10	09:05	
61970-18	Zn	4792.60351	4788.81591	4796.39062	0.11175	ug/L	10/19/10	09:05	
61970-18	2203/1	9203.14257	9190.33398	9215.95117	0.19682	ug/L	10/19/10	09:05	
61970-18	2203/2	9035.52148	9035.46679	9035.57714	0.00086	ug/L	10/19/10	09:05	
61970-18	1960/1	11.36028	9.65912	13.06144	21.17735	ug/L	10/19/10	09:05	
61970-18	1960/2	-7.41466	-11.27751	-3.55181	73.67693	ug/L	10/19/10	09:05	
61970-18	Y	927.59399	926.58593	928.60198	0.15368		10/19/10	09:05	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-19	Ag	-0.09952	-0.53357	0.33453	616.79705	ug/L	10/19/10	09:11	
61970-19	Al	8549.16796	8540.29980	8558.03613	0.14669	ug/L	10/19/10	09:11	
61970-19	2Al	8.54920	8.54065	8.55775	0.14144	mg/L	10/19/10	09:11	
61970-19	As	0.50811	-0.21812	1.23434	202.13044	ug/L	10/19/10	09:11	
61970-19	B	80.44966	79.55256	81.34677	1.57700	ug/L	10/19/10	09:11	
61970-19	Ba	26.64508	26.52954	26.76062	0.61324	ug/L	10/19/10	09:11	
61970-19	Be	0.05187	0.02865	0.07509	63.29880	ug/L	10/19/10	09:11	
61970-19	Ca	71666.57812	71654.75781	71678.39843	0.02332	ug/L	10/19/10	09:11	
61970-19	Cd	2.57850	2.63615	2.52085	3.16176	ug/L	10/19/10	09:11	
61970-19	Co	1.93993	2.31449	1.56536	27.30588	ug/L	10/19/10	09:11	
61970-19	Cr	11.96677	12.17003	11.76352	2.40206	ug/L	10/19/10	09:11	
61970-19	Cu	7.92518	7.92937	7.92099	0.07474	ug/L	10/19/10	09:11	
61970-19	Fe	2044.39062	2029.34924	2059.43188	1.04048	ug/L	10/19/10	09:11	
61970-19	2Fe	2.04413	2.02909	2.05917	1.04048	mg/L	10/19/10	09:11	
61970-19	K	981.58660	970.96588	992.20733	1.53017	ug/L	10/19/10	09:11	
61970-19	Mg	1090.06372	1092.00451	1088.12280	0.25180	ug/L	10/19/10	09:11	
61970-19	2Mg	1.08940	1.09135	1.08746	0.25222	mg/L	10/19/10	09:11	
61970-19	Mn	28.05857	28.09396	28.02318	0.17839	ug/L	10/19/10	09:11	
61970-19	Mo	-0.56796	-2.80111	1.66518	556.04748	ug/L	10/19/10	09:11	
61970-19	Na	2181.71728	2348.95239	2014.48193	10.84037	ug/L	10/19/10	09:11	
61970-19	Ni	3.93632	3.95480	3.91783	0.66413	ug/L	10/19/10	09:11	
61970-19	Pb	48.97824	49.62587	48.33060	1.86999	ug/L	10/19/10	09:11	
61970-19	Se	0.16519	-1.45556	1.78595	1387.52258	ug/L	10/19/10	09:11	
61970-19	Sb	-5.66325	-6.41312	-4.91338	18.72555	ug/L	10/19/10	09:11	
61970-19	Sn	21.98898	24.01152	19.96645	13.00787	ug/L	10/19/10	09:11	
61970-19	Sr	190.67930	190.18014	191.17846	0.37021	ug/L	10/19/10	09:11	
61970-19	Ti	1978.84191	1978.65356	1979.03027	0.01346	ug/L	10/19/10	09:11	
61970-19	Tl	-4.91297	-4.12984	-5.69610	22.54249	ug/L	10/19/10	09:11	
61970-19	V	15.61939	15.06496	16.17383	5.01999	ug/L	10/19/10	09:11	
61970-19	Zn	11176.16406	11164.84277	11187.48632	0.14326	ug/L	10/19/10	09:11	
61970-19	2203/1	48.51753	47.18199	49.85307	3.89290	ug/L	10/19/10	09:11	
61970-19	2203/2	49.20824	50.84598	47.57051	4.70674	ug/L	10/19/10	09:11	
61970-19	1960/1	0.58177	-6.05157	7.21512	1612.47375	ug/L	10/19/10	09:11	
61970-19	1960/2	-0.04278	0.83899	-0.92456	2914.65673	ug/L	10/19/10	09:11	
61970-19	Y	949.45043	950.52593	948.37493	0.16019		10/19/10	09:11	
61970-20	Ag	1.47579	0.57995	2.37163	85.84563	ug/L	10/19/10	09:16	
61970-20	Al	189.27706	190.73986	187.81425	1.09295	ug/L	10/19/10	09:16	
61970-20	2Al	0.18928	0.19075	0.18782	1.09294	mg/L	10/19/10	09:16	
61970-20	As	-2.35128	-4.56812	-0.13444	133.33512	ug/L	10/19/10	09:16	
61970-20	B	251.11128	251.34350	250.87905	0.13078	ug/L	10/19/10	09:16	
61970-20	Ba	16.69127	16.70457	16.67797	0.11268	ug/L	10/19/10	09:16	
61970-20	Be	0.01556	0.02947	0.00165	126.38191	ug/L	10/19/10	09:16	
61970-20	Ca	2455.75048	2455.95605	2455.54467	0.01184	ug/L	10/19/10	09:16	
61970-20	Cd	5.36145	5.62433	5.09858	6.93394	ug/L	10/19/10	09:16	
61970-20	Co	156.93669	156.70344	157.16993	0.21018	ug/L	10/19/10	09:16	
61970-20	Cr	6.31521	5.83565	6.79477	10.73924	ug/L	10/19/10	09:16	
61970-20	Cu	23.64589	24.48967	22.80211	5.04646	ug/L	10/19/10	09:16	
61970-20	Fe	264.54718	253.33801	275.75634	5.99218	ug/L	10/19/10	09:16	
61970-20	2Fe	0.26456	0.25335	0.27577	5.99105	mg/L	10/19/10	09:16	
61970-20	K	882.98852	884.24267	881.73437	0.20086	ug/L	10/19/10	09:16	
61970-20	Mg	1380.61645	1379.49121	1381.74157	0.11525	ug/L	10/19/10	09:16	
61970-20	2Mg	1.38019	1.37907	1.38132	0.11506	mg/L	10/19/10	09:16	
61970-20	Mn	38.96913	38.87763	39.06064	0.33207	ug/L	10/19/10	09:16	
61970-20	Mo	-2.37907	-2.89046	-1.86769	30.39858	ug/L	10/19/10	09:16	
61970-20	Na	954.85583	984.20257	925.50903	4.34647	ug/L	10/19/10	09:16	
61970-20	Ni	3.35353	2.71541	3.99165	26.90991	ug/L	10/19/10	09:16	
61970-20	Pb	471.69421	472.37884	471.00958	0.20526	ug/L	10/19/10	09:16	
61970-20	Se	-0.01972	1.32417	-1.36362	9635.26562	ug/L	10/19/10	09:16	
61970-20	Sb	-4.86625	-0.02754	-9.70497	140.62095	ug/L	10/19/10	09:16	
61970-20	Sn	22.49083	20.76337	24.21829	10.86221	ug/L	10/19/10	09:16	
61970-20	Sr	25.21524	25.23193	25.19856	0.09358	ug/L	10/19/10	09:16	
61970-20	Ti	7.34509	7.50808	7.18211	3.13805	ug/L	10/19/10	09:16	
61970-20	Tl	-5.96365	-11.35159	-0.57571	127.76902	ug/L	10/19/10	09:16	
61970-20	V	0.44542	1.03922	-0.14837	188.53044	ug/L	10/19/10	09:16	
61970-20	Zn	3946.16333	3949.09643	3943.23022	0.10511	ug/L	10/19/10	09:16	
61970-20	2203/1	473.89117	477.61892	470.16342	1.11245	ug/L	10/19/10	09:16	
61970-20	2203/2	470.59799	469.76333	471.43264	0.25082	ug/L	10/19/10	09:16	
61970-20	1960/1	-0.21901	3.00291	-3.44094	2080.44018	ug/L	10/19/10	09:16	
61970-20	1960/2	0.07977	0.48606	-0.32652	720.29052	ug/L	10/19/10	09:16	
61970-20	Y	952.00646	951.68695	952.32598	0.04746		10/19/10	09:16	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	504.32022	504.63476	504.00567	0.08820	ug/L	10/19/10	09:23	
CCV	Al	5164.32617	5177.31933	5151.33251	0.35581	ug/L	10/19/10	09:23	
CCV	2Al	5.16419	5.17718	5.15120	0.35578	mg/L	10/19/10	09:23	
CCV	As	506.69024	507.84497	505.53549	0.32229	ug/L	10/19/10	09:23	
CCV	B	4993.14599	4995.86767	4990.42431	0.07708	ug/L	10/19/10	09:23	
CCV	Ba	5054.83984	5071.28515	5038.39404	0.46010	ug/L	10/19/10	09:23	
CCV	Be	497.26513	497.96279	496.56747	0.19841	ug/L	10/19/10	09:23	
CCV	Ca	4925.45312	4926.02636	4924.87988	0.01645	ug/L	10/19/10	09:23	
CCV	Cd	488.74029	488.47027	489.01034	0.07813	ug/L	10/19/10	09:23	
CCV	Co	504.19973	504.28967	504.10980	0.02522	ug/L	10/19/10	09:23	
CCV	Cr	4996.95800	5005.38525	4988.53076	0.23850	ug/L	10/19/10	09:23	
CCV	Cu	5088.72900	5098.95410	5078.50390	0.28416	ug/L	10/19/10	09:23	
CCV	Fe	4959.81054	4939.98779	4979.63378	0.56522	ug/L	10/19/10	09:23	
CCV	2Fe	4.95982	4.94000	4.97964	0.56512	mg/L	10/19/10	09:23	
CCV	K	10374.24804	10381.85839	10366.63867	0.10373	ug/L	10/19/10	09:23	
CCV	Mg	5091.75439	5089.86523	5093.64355	0.05247	ug/L	10/19/10	09:23	
CCV	2Mg	5.09176	5.08987	5.09364	0.05231	mg/L	10/19/10	09:23	
CCV	Mn	5061.48291	5065.38916	5057.57666	0.10914	ug/L	10/19/10	09:23	
CCV	Mo	484.94152	483.94375	485.93927	0.29097	ug/L	10/19/10	09:23	
CCV	Na	7776.16064	7667.89599	7884.42529	1.96895	ug/L	10/19/10	09:23	
CCV	Ni	2497.41088	2496.75097	2498.07080	0.03736	ug/L	10/19/10	09:23	
CCV	Pb	502.25323	505.38964	499.11685	0.88312	ug/L	10/19/10	09:23	
CCV	Se	4936.46093	4955.92529	4916.99707	0.55761	ug/L	10/19/10	09:23	
CCV	Sb	492.01055	484.52813	499.49295	2.15071	ug/L	10/19/10	09:23	
CCV	Sn	4980.51660	4977.73583	4983.29785	0.07896	ug/L	10/19/10	09:23	
CCV	Sr	2520.71142	2524.72119	2516.70166	0.22496	ug/L	10/19/10	09:23	
CCV	Ti	501.09777	501.97955	500.21600	0.24885	ug/L	10/19/10	09:23	
CCV	Tl	4936.51953	4927.64697	4945.39160	0.25417	ug/L	10/19/10	09:23	
CCV	V	5067.05175	5075.14501	5058.95898	0.22587	ug/L	10/19/10	09:23	
CCV	Zn	2466.35498	2465.44775	2467.26220	0.05202	ug/L	10/19/10	09:23	
CCV	2203/1	505.09188	502.66220	507.52157	0.68029	ug/L	10/19/10	09:23	
CCV	2203/2	500.83605	506.75131	494.92080	1.67029	ug/L	10/19/10	09:23	
CCV	1960/1	5091.41210	5116.19335	5066.63085	0.68833	ug/L	10/19/10	09:23	
CCV	1960/2	4859.10205	4875.91162	4842.29248	0.48923	ug/L	10/19/10	09:23	
CCV	Y	936.74694	932.02197	941.47198	0.71333		10/19/10	09:23	
CCB	Ag	0.43313	0.46329	0.40298	9.84601	ug/L	10/19/10	09:30	
CCB	Al	-11.53957	-13.74623	-9.33292	27.04327	ug/L	10/19/10	09:30	
CCB	2Al	-0.01154	-0.01374	-0.00933	27.04318	mg/L	10/19/10	09:30	
CCB	As	0.65309	1.12413	0.18206	101.99797	ug/L	10/19/10	09:30	
CCB	B	3.59600	4.89573	2.29626	51.11533	ug/L	10/19/10	09:30	
CCB	Ba	0.88459	0.01949	1.74969	138.30500	ug/L	10/19/10	09:30	
CCB	Be	0.10515	0.00595	0.20435	133.41445	ug/L	10/19/10	09:30	
CCB	Ca	7.75839	4.43979	11.07699	60.49202	ug/L	10/19/10	09:30	
CCB	Cd	0.53831	0.59736	0.47925	15.51500	ug/L	10/19/10	09:30	
CCB	Co	0.16688	0.08702	0.24673	67.66883	ug/L	10/19/10	09:30	
CCB	Cr	-0.03928	-1.16252	1.08395	4043.38671	ug/L	10/19/10	09:30	
CCB	Cu	1.65067	0.67544	2.62590	83.55279	ug/L	10/19/10	09:30	
CCB	Fe	-2.75214	4.67542	-10.17970	381.67211	ug/L	10/19/10	09:30	
CCB	2Fe	-0.00275	0.00467	-0.01017	381.68139	mg/L	10/19/10	09:30	
CCB	K	1.17731	-2.30972	4.66436	418.86993	ug/L	10/19/10	09:30	
CCB	Mg	-8.98362	-8.98350	-8.98373	0.00184	ug/L	10/19/10	09:30	
CCB	2Mg	-0.00898	-0.00898	-0.00897	0.02518	mg/L	10/19/10	09:30	
CCB	Mn	0.94366	0.04779	1.83953	134.25868	ug/L	10/19/10	09:30	
CCB	Mo	1.43995	3.64614	-0.76623	216.67543	ug/L	10/19/10	09:30	
CCB	Na	39.76441	16.14929	63.37953	83.98670	ug/L	10/19/10	09:30	
CCB	Ni	-0.62730	-1.85700	0.60238	277.22280	ug/L	10/19/10	09:30	
CCB	Pb	-1.22216	2.02145	-4.46579	375.33062	ug/L	10/19/10	09:30	
CCB	Se	4.12199	5.10639	3.13759	33.77379	ug/L	10/19/10	09:30	
CCB	Sb	-7.63420	-8.39067	-6.87773	14.01331	ug/L	10/19/10	09:30	
CCB	Sn	-0.43180	0.03917	-0.90277	154.25048	ug/L	10/19/10	09:30	
CCB	Sr	0.42875	-0.02362	0.88113	149.21293	ug/L	10/19/10	09:30	
CCB	Ti	-0.22395	-0.22346	-0.22444	0.30921	ug/L	10/19/10	09:30	
CCB	Tl	-2.50259	-3.15978	-1.84539	37.13820	ug/L	10/19/10	09:30	
CCB	V	0.50828	-0.35613	1.37271	240.50866	ug/L	10/19/10	09:30	
CCB	Zn	0.70861	0.39308	1.02414	62.97232	ug/L	10/19/10	09:30	
CCB	2203/1	2.17098	5.43640	-1.09443	212.71466	ug/L	10/19/10	09:30	
CCB	2203/2	-2.91620	0.31653	-6.14894	156.77178	ug/L	10/19/10	09:30	
CCB	1960/1	5.13334	6.52509	3.74159	38.34210	ug/L	10/19/10	09:30	
CCB	1960/2	3.61707	4.39811	2.83604	30.53699	ug/L	10/19/10	09:30	
CCB	Y	940.33801	941.96697	938.70898	0.24499		10/19/10	09:30	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61878-1	Ag	-0.16251	0.02284	-0.34787	161.29658	ug/L	10/19/10	10:02	
61878-1	Al	-8.18470	-8.40762	-7.96179	3.85170	ug/L	10/19/10	10:02	
61878-1	2Al	-0.00818	-0.00840	-0.00796	3.85160	mg/L	10/19/10	10:02	
61878-1	As	18.11544	18.25514	17.97573	1.09062	ug/L	10/19/10	10:02	
61878-1	B	37.13593	37.76160	36.51026	2.38267	ug/L	10/19/10	10:02	
61878-1	Ba	87.46594	87.48460	87.44728	0.03016	ug/L	10/19/10	10:02	
61878-1	Be	0.02858	0.04368	0.01348	74.68769	ug/L	10/19/10	10:02	
61878-1	Ca	27796.35937	27788.33203	27804.38671	0.04084	ug/L	10/19/10	10:02	
61878-1	Cd	0.40679	0.37704	0.43655	10.34254	ug/L	10/19/10	10:02	
61878-1	Co	0.01186	0.29797	-0.27423	3409.63940	ug/L	10/19/10	10:02	
61878-1	Cr	-0.69931	0.24097	-1.63961	190.15361	ug/L	10/19/10	10:02	
61878-1	Cu	1.33370	2.34992	0.31747	107.75739	ug/L	10/19/10	10:02	
61878-1	Fe	118.65460	108.42629	128.88290	12.19085	ug/L	10/19/10	10:02	
61878-1	2Fe	0.11863	0.10841	0.12886	12.19068	mg/L	10/19/10	10:02	
61878-1	K	4367.83886	4356.40869	4379.26855	0.37007	ug/L	10/19/10	10:02	
61878-1	Mg	11218.47265	11211.21972	11225.72460	0.09142	ug/L	10/19/10	10:02	
61878-1	2Mg	11.21528	11.20803	11.22253	0.09140	mg/L	10/19/10	10:02	
61878-1	Mn	6.45446	6.53131	6.37760	1.68392	ug/L	10/19/10	10:02	
61878-1	Mo	52.25331	52.89587	51.61076	1.73904	ug/L	10/19/10	10:02	
61878-1	Na	23319.10546	23285.90234	23352.30859	0.20136	ug/L	10/19/10	10:02	
61878-1	Ni	0.77700	0.17023	1.38377	110.43714	ug/L	10/19/10	10:02	
61878-1	Pb	0.91896	1.50949	0.32843	90.87802	ug/L	10/19/10	10:02	
61878-1	Se	0.36917	-0.40016	1.13851	294.71160	ug/L	10/19/10	10:02	
61878-1	Sb	-4.72721	-2.53539	-6.91902	65.57132	ug/L	10/19/10	10:02	
61878-1	Sn	-1.29890	-0.90874	-1.68906	42.47985	ug/L	10/19/10	10:02	
61878-1	Sr	4725.84814	4723.79003	4727.90625	0.06158	ug/L	10/19/10	10:02	
61878-1	Ti	-0.01152	0.05590	-0.07895	827.32263	ug/L	10/19/10	10:02	
61878-1	Tl	-2.73693	0.24216	-5.71603	153.93443	ug/L	10/19/10	10:02	
61878-1	V	-0.52865	-0.70908	-0.34823	48.26466	ug/L	10/19/10	10:02	
61878-1	Zn	1.10385	1.20495	1.00275	12.95281	ug/L	10/19/10	10:02	
61878-1	2203/1	5.31179	3.83539	6.78819	39.30780	ug/L	10/19/10	10:02	
61878-1	2203/2	-1.27415	0.34829	-2.89660	180.07966	ug/L	10/19/10	10:02	
61878-1	1960/1	-0.61502	-3.12363	1.89358	576.83837	ug/L	10/19/10	10:02	
61878-1	1960/2	0.86054	0.95953	0.76154	16.26832	ug/L	10/19/10	10:02	
61878-1	Y	951.93896	953.76593	950.11193	0.27142		10/19/10	10:02	
61938-1 1/100	Ag	0.93875	1.03607	0.84143	14.66144	ug/L	10/19/10	10:06	
61938-1 1/100	Al	6.68955	13.35031	0.02880	140.81250	ug/L	10/19/10	10:06	
61938-1 1/100	2Al	0.00668	0.01335	0.00002	140.81274	mg/L	10/19/10	10:06	
61938-1 1/100	As	-0.29608	0.06472	-0.65690	172.33708	ug/L	10/19/10	10:06	
61938-1 1/100	B	1.00522	1.80105	0.20938	111.96306	ug/L	10/19/10	10:06	
61938-1 1/100	Ba	1.07501	1.03008	1.11995	5.91159	ug/L	10/19/10	10:06	
61938-1 1/100	Be	0.00769	0.01119	0.00418	64.40833	ug/L	10/19/10	10:06	
61938-1 1/100	Ca	7300.25830	7323.20263	7277.31396	0.44448	ug/L	10/19/10	10:06	
61938-1 1/100	Cd	0.05176	0.08193	0.02158	82.44854	ug/L	10/19/10	10:06	
61938-1 1/100	Co	0.16634	0.08325	0.24942	70.63974	ug/L	10/19/10	10:06	
61938-1 1/100	Cr	-0.11170	0.40364	-0.62705	652.44171	ug/L	10/19/10	10:06	
61938-1 1/100	Cu	2.17218	3.18417	1.16020	65.88581	ug/L	10/19/10	10:06	
61938-1 1/100	Fe	71.71869	71.21903	72.21836	0.98528	ug/L	10/19/10	10:06	
61938-1 1/100	2Fe	0.07170	0.07121	0.07220	0.98535	mg/L	10/19/10	10:06	
61938-1 1/100	K	1568.56201	1565.96081	1571.16333	0.23452	ug/L	10/19/10	10:06	
61938-1 1/100	Mg	7185.29589	7210.72021	7159.87207	0.50039	ug/L	10/19/10	10:06	
61938-1 1/100	2Mg	7.18325	7.20867	7.15783	0.50039	mg/L	10/19/10	10:06	
61938-1 1/100	Mn	0.62880	0.79829	0.45930	38.12094	ug/L	10/19/10	10:06	
61938-1 1/100	Mo	1.02659	1.78392	0.26926	104.32763	ug/L	10/19/10	10:06	
61938-1 1/100	Na	70339.98437	70549.21875	70130.75781	0.42066	ug/L	10/19/10	10:06	
61938-1 1/100	Ni	0.87208	0.41945	1.32472	73.40112	ug/L	10/19/10	10:06	
61938-1 1/100	Pb	-1.82362	-2.37502	-1.27222	42.76094	ug/L	10/19/10	10:06	
61938-1 1/100	Se	3.42248	0.00417	6.84079	141.24871	ug/L	10/19/10	10:06	
61938-1 1/100	Sb	-3.43569	-7.43560	0.56421	164.64558	ug/L	10/19/10	10:06	
61938-1 1/100	Sn	2.10732	0.35973	3.85491	117.27990	ug/L	10/19/10	10:06	
61938-1 1/100	Sr	618.88934	620.21856	617.56011	0.30373	ug/L	10/19/10	10:06	
61938-1 1/100	Ti	-0.43878	-0.44010	-0.43745	0.42640	ug/L	10/19/10	10:06	
61938-1 1/100	Tl	-3.33337	-0.74811	-5.91863	109.68170	ug/L	10/19/10	10:06	
61938-1 1/100	V	0.06673	0.00778	0.12568	124.92084	ug/L	10/19/10	10:06	
61938-1 1/100	Zn	6.59309	6.47318	6.71301	2.57218	ug/L	10/19/10	10:06	
61938-1 1/100	2203/1	3.67972	3.99285	3.36659	12.03448	ug/L	10/19/10	10:06	
61938-1 1/100	2203/2	-4.57117	-5.55418	-3.58815	30.41221	ug/L	10/19/10	10:06	
61938-1 1/100	1960/1	9.00399	3.41813	14.58984	87.73434	ug/L	10/19/10	10:06	
61938-1 1/100	1960/2	0.63592	-1.70024	2.97208	519.53570	ug/L	10/19/10	10:06	
61938-1 1/100	Y	936.61645	934.14593	939.08697	0.37302		10/19/10	10:06	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61938-2 1/100	Ag	0.84886	1.41565	0.28206	94.42894	ug/L	10/19/10	10:10	
61938-2 1/100	Al	-8.76894	-9.27570	-8.26217	8.17284	ug/L	10/19/10	10:10	
61938-2 1/100	2Al	-0.00876	-0.00927	-0.00826	8.17285	mg/L	10/19/10	10:10	
61938-2 1/100	As	3.72805	5.18986	2.26625	55.45258	ug/L	10/19/10	10:10	
61938-2 1/100	B	36.53228	35.86353	37.20103	2.58880	ug/L	10/19/10	10:10	
61938-2 1/100	Ba	0.69158	0.58776	0.79539	21.22919	ug/L	10/19/10	10:10	
61938-2 1/100	Be	-0.00452	-0.01808	0.00903	423.84054	ug/L	10/19/10	10:10	
61938-2 1/100	Ca	5778.84863	5777.70898	5779.98876	0.02789	ug/L	10/19/10	10:10	
61938-2 1/100	Cd	0.06234	0.11672	0.00797	123.34126	ug/L	10/19/10	10:10	
61938-2 1/100	Co	-0.48450	-0.12184	-0.84717	105.85680	ug/L	10/19/10	10:10	
61938-2 1/100	Cr	0.10950	0.69954	-0.48054	762.03057	ug/L	10/19/10	10:10	
61938-2 1/100	Cu	0.54606	0.99188	0.10024	115.46017	ug/L	10/19/10	10:10	
61938-2 1/100	Fe	14.94776	-3.46885	33.36437	174.24029	ug/L	10/19/10	10:10	
61938-2 1/100	2Fe	0.01494	-0.00346	0.03335	174.24073	mg/L	10/19/10	10:10	
61938-2 1/100	K	4118.57714	4120.60791	4116.54687	0.06972	ug/L	10/19/10	10:10	
61938-2 1/100	Mg	11126.47070	11133.75781	11119.18457	0.09261	ug/L	10/19/10	10:10	
61938-2 1/100	2Mg	11.12332	11.13061	11.11603	0.09265	mg/L	10/19/10	10:10	
61938-2 1/100	Mn	0.08099	0.17977	-0.01778	172.46649	ug/L	10/19/10	10:10	
61938-2 1/100	Mo	0.50572	1.88024	-0.86878	384.36880	ug/L	10/19/10	10:10	
61938-2 1/100	Na	114043.22656	113602.02343	114484.42968	0.54712	ug/L	10/19/10	10:10	
61938-2 1/100	Ni	0.53046	0.19261	0.86832	90.07179	ug/L	10/19/10	10:10	
61938-2 1/100	Pb	-2.17835	-0.50610	-3.85060	108.56472	ug/L	10/19/10	10:10	
61938-2 1/100	Se	2.79939	3.25001	2.34876	22.76504	ug/L	10/19/10	10:10	
61938-2 1/100	Sb	-9.10689	-8.31570	-9.89807	12.28633	ug/L	10/19/10	10:10	
61938-2 1/100	Sn	-0.59109	-1.19802	0.01583	145.20948	ug/L	10/19/10	10:10	
61938-2 1/100	Sr	188.25219	188.16860	188.33578	0.06279	ug/L	10/19/10	10:10	
61938-2 1/100	Ti	-0.30371	-0.18005	-0.42737	57.57970	ug/L	10/19/10	10:10	
61938-2 1/100	Tl	-0.99474	-1.36164	-0.62784	52.16128	ug/L	10/19/10	10:10	
61938-2 1/100	V	0.06061	0.32376	-0.20254	614.00665	ug/L	10/19/10	10:10	
61938-2 1/100	Zn	0.36869	0.54319	0.19419	66.93305	ug/L	10/19/10	10:10	
61938-2 1/100	2203/1	2.42359	3.21319	1.63400	46.07452	ug/L	10/19/10	10:10	
61938-2 1/100	2203/2	-4.47588	-2.36296	-6.58879	66.76046	ug/L	10/19/10	10:10	
61938-2 1/100	1960/1	6.91269	0.85959	12.96578	123.83551	ug/L	10/19/10	10:10	
61938-2 1/100	1960/2	0.74582	4.44343	-2.95178	701.13031	ug/L	10/19/10	10:10	
61938-2 1/100	Y	931.82849	933.25494	930.40197	0.21649		10/19/10	10:10	
61938-2 1/500	Ag	0.43400	-0.16155	1.02955	194.06314	ug/L	10/19/10	10:15	
61938-2 1/500	Al	-7.02052	-3.61838	-10.42266	68.53269	ug/L	10/19/10	10:15	
61938-2 1/500	2Al	-0.00702	-0.00361	-0.01042	68.53276	mg/L	10/19/10	10:15	
61938-2 1/500	As	4.62820	7.95146	1.30493	101.54711	ug/L	10/19/10	10:15	
61938-2 1/500	B	4.79226	3.63641	5.94812	34.10971	ug/L	10/19/10	10:15	
61938-2 1/500	Ba	0.23161	0.03526	0.42795	119.88745	ug/L	10/19/10	10:15	
61938-2 1/500	Be	-0.01394	-0.03211	0.00423	184.38769	ug/L	10/19/10	10:15	
61938-2 1/500	Ca	1172.10327	1171.37255	1172.83410	0.08817	ug/L	10/19/10	10:15	
61938-2 1/500	Cd	0.02549	-0.16882	0.21980	1078.06994	ug/L	10/19/10	10:15	
61938-2 1/500	Co	0.82307	0.74947	0.89666	12.64479	ug/L	10/19/10	10:15	
61938-2 1/500	Cr	0.90918	1.07705	0.74130	26.11259	ug/L	10/19/10	10:15	
61938-2 1/500	Cu	1.09670	1.44294	0.75046	44.64809	ug/L	10/19/10	10:15	
61938-2 1/500	Fe	15.45819	-6.14360	37.05999	197.62695	ug/L	10/19/10	10:15	
61938-2 1/500	2Fe	0.01545	-0.00614	0.03705	197.62422	mg/L	10/19/10	10:15	
61938-2 1/500	K	793.10205	778.82257	807.38146	2.54622	ug/L	10/19/10	10:15	
61938-2 1/500	Mg	2220.96801	2223.14135	2218.79467	0.13838	ug/L	10/19/10	10:15	
61938-2 1/500	2Mg	2.22033	2.22251	2.21816	0.13863	mg/L	10/19/10	10:15	
61938-2 1/500	Mn	0.07212	0.12443	0.01981	102.56393	ug/L	10/19/10	10:15	
61938-2 1/500	Mo	-0.00893	-2.07532	2.05745	32707.28906	ug/L	10/19/10	10:15	
61938-2 1/500	Na	21418.86132	21301.53125	21536.19140	0.77469	ug/L	10/19/10	10:15	
61938-2 1/500	Ni	0.25988	-0.19803	0.71779	249.18553	ug/L	10/19/10	10:15	
61938-2 1/500	Pb	-0.38551	-0.02294	-0.74808	133.00277	ug/L	10/19/10	10:15	
61938-2 1/500	Se	1.13533	-1.22797	3.49864	294.38208	ug/L	10/19/10	10:15	
61938-2 1/500	Sb	-2.21531	-2.90206	-1.52856	43.84098	ug/L	10/19/10	10:15	
61938-2 1/500	Sn	0.95444	1.36808	0.54079	61.29047	ug/L	10/19/10	10:15	
61938-2 1/500	Sr	38.27495	38.22651	38.32340	0.17899	ug/L	10/19/10	10:15	
61938-2 1/500	Ti	0.13770	0.02929	0.24612	111.33895	ug/L	10/19/10	10:15	
61938-2 1/500	Tl	-3.57361	-2.48918	-4.65804	42.91493	ug/L	10/19/10	10:15	
61938-2 1/500	V	0.23046	-0.43739	0.89833	409.81985	ug/L	10/19/10	10:15	
61938-2 1/500	Zn	0.88142	1.22558	0.53726	55.21973	ug/L	10/19/10	10:15	
61938-2 1/500	2203/1	1.46514	-2.20503	5.13533	354.25976	ug/L	10/19/10	10:15	
61938-2 1/500	2203/2	-1.30946	1.06645	-3.68538	256.59829	ug/L	10/19/10	10:15	
61938-2 1/500	1960/1	0.62686	-7.97208	9.22581	1939.94104	ug/L	10/19/10	10:15	
61938-2 1/500	1960/2	1.38917	2.13902	0.63931	76.33741	ug/L	10/19/10	10:15	
61938-2 1/500	Y	940.80151	942.59698	939.00598	0.26989		10/19/10	10:15	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61938-3 1/500	Ag	0.83787	2.02503	-0.34928	200.37463	ug/L	10/19/10	10:29	
61938-3 1/500	Al	24.07701	14.28055	33.87347	57.54154	ug/L	10/19/10	10:29	
61938-3 1/500	2Al	0.02407	0.01428	0.03387	57.54152	mg/L	10/19/10	10:29	
61938-3 1/500	As	-0.47341	-3.80579	2.85896	995.46984	ug/L	10/19/10	10:29	
61938-3 1/500	B	39.15267	36.61533	41.69001	9.16500	ug/L	10/19/10	10:29	
61938-3 1/500	Ba	0.34898	0.34874	0.34922	0.09674	ug/L	10/19/10	10:29	
61938-3 1/500	Be	0.00987	0.03435	-0.01461	350.83184	ug/L	10/19/10	10:29	
61938-3 1/500	Ca	755.93469	753.53302	758.33636	0.44930	ug/L	10/19/10	10:29	
61938-3 1/500	Cd	-0.16274	-0.18584	-0.13964	20.07276	ug/L	10/19/10	10:29	
61938-3 1/500	Co	0.52124	0.04698	0.99551	128.67283	ug/L	10/19/10	10:29	
61938-3 1/500	Cr	0.76410	0.25035	1.27786	95.08585	ug/L	10/19/10	10:29	
61938-3 1/500	Cu	0.96341	-0.82629	2.75311	262.71426	ug/L	10/19/10	10:29	
61938-3 1/500	Fe	10.71221	24.90702	-3.48260	187.39823	ug/L	10/19/10	10:29	
61938-3 1/500	2Fe	0.01071	0.02490	-0.00348	187.39224	mg/L	10/19/10	10:29	
61938-3 1/500	K	3129.95727	3110.97680	3148.93774	0.85759	ug/L	10/19/10	10:29	
61938-3 1/500	Mg	328.42944	321.54321	335.31570	2.96520	ug/L	10/19/10	10:29	
61938-3 1/500	2Mg	0.32833	0.32144	0.33522	2.96630	mg/L	10/19/10	10:29	
61938-3 1/500	Mn	1.53764	1.51257	1.56271	2.30557	ug/L	10/19/10	10:29	
61938-3 1/500	Mo	1.39643	1.20674	1.58613	19.21071	ug/L	10/19/10	10:29	
61938-3 1/500	Na	5210.40283	5197.06152	5223.74414	0.36211	ug/L	10/19/10	10:29	
61938-3 1/500	Ni	0.18920	1.03198	-0.65358	629.94738	ug/L	10/19/10	10:29	
61938-3 1/500	Pb	-1.89306	-3.81904	0.03290	143.87966	ug/L	10/19/10	10:29	
61938-3 1/500	Se	-2.32370	-0.73268	-3.91472	96.82983	ug/L	10/19/10	10:29	
61938-3 1/500	Sb	-4.70510	-1.47442	-7.93578	97.10457	ug/L	10/19/10	10:29	
61938-3 1/500	Sn	-0.15234	1.97543	-2.28012	1975.17456	ug/L	10/19/10	10:29	
61938-3 1/500	Sr	5.68922	5.62323	5.75521	1.64032	ug/L	10/19/10	10:29	
61938-3 1/500	Ti	0.54089	0.13408	0.94771	106.36518	ug/L	10/19/10	10:29	
61938-3 1/500	Tl	2.39471	4.02849	0.76092	96.48432	ug/L	10/19/10	10:29	
61938-3 1/500	V	0.93443	1.27888	0.58999	52.12969	ug/L	10/19/10	10:29	
61938-3 1/500	Zn	0.57073	0.11823	1.02323	112.12438	ug/L	10/19/10	10:29	
61938-3 1/500	2203/1	0.98006	7.00099	-5.04086	868.80950	ug/L	10/19/10	10:29	
61938-3 1/500	2203/2	-3.32747	-9.22094	2.56598	250.47863	ug/L	10/19/10	10:29	
61938-3 1/500	1960/1	3.95335	10.22643	-2.31972	224.40361	ug/L	10/19/10	10:29	
61938-3 1/500	1960/2	-5.45753	-6.20403	-4.71102	19.34425	ug/L	10/19/10	10:29	
61938-3 1/500	Y	940.77441	942.07495	939.47393	0.19549		10/19/10	10:29	
CCV	Ag	501.87268	502.12805	501.61734	0.07195	ug/L	10/19/10	10:40	
CCV	Al	5148.66699	5143.18261	5154.15136	0.15064	ug/L	10/19/10	10:40	
CCV	2Al	5.14864	5.14305	5.15423	0.15360	mg/L	10/19/10	10:40	
CCV	As	498.83273	494.75289	502.91256	1.15665	ug/L	10/19/10	10:40	
CCV	B	4940.79003	4933.79589	4947.78369	0.20018	ug/L	10/19/10	10:40	
CCV	Ba	5055.82714	5056.84130	5054.81250	0.02837	ug/L	10/19/10	10:40	
CCV	Be	488.03076	487.08972	488.97177	0.27268	ug/L	10/19/10	10:40	
CCV	Ca	4861.81250	4858.64013	4864.98437	0.09227	ug/L	10/19/10	10:40	
CCV	Cd	481.26733	482.04370	480.49099	0.22813	ug/L	10/19/10	10:40	
CCV	Co	494.21029	493.36401	495.05657	0.24216	ug/L	10/19/10	10:40	
CCV	Cr	4919.77294	4914.80566	4924.74023	0.14278	ug/L	10/19/10	10:40	
CCV	Cu	5083.12011	5079.58593	5086.65380	0.09832	ug/L	10/19/10	10:40	
CCV	Fe	4891.22656	4927.84619	4854.60742	1.05878	ug/L	10/19/10	10:40	
CCV	2Fe	4.89123	4.92785	4.85462	1.05863	mg/L	10/19/10	10:40	
CCV	K	10589.23828	10598.85937	10579.61718	0.12849	ug/L	10/19/10	10:40	
CCV	Mg	4949.48437	4945.32226	4953.64599	0.11891	ug/L	10/19/10	10:40	
CCV	2Mg	4.94951	4.94534	4.95367	0.11909	mg/L	10/19/10	10:40	
CCV	Mn	4985.20849	4982.53466	4987.88232	0.07585	ug/L	10/19/10	10:40	
CCV	Mo	484.04412	482.43728	485.65100	0.46946	ug/L	10/19/10	10:40	
CCV	Na	7812.22558	7846.37988	7778.07080	0.61828	ug/L	10/19/10	10:40	
CCV	Ni	2452.73876	2453.14257	2452.33471	0.02329	ug/L	10/19/10	10:40	
CCV	Pb	491.09982	487.68597	494.51367	0.98308	ug/L	10/19/10	10:40	
CCV	Se	4874.13330	4874.25683	4874.00976	0.00358	ug/L	10/19/10	10:40	
CCV	Sb	498.70483	508.73715	488.67248	2.84494	ug/L	10/19/10	10:40	
CCV	Sn	4888.53320	4883.11718	4893.94873	0.15667	ug/L	10/19/10	10:40	
CCV	Sr	2516.84423	2511.30639	2522.38208	0.31117	ug/L	10/19/10	10:40	
CCV	Ti	494.73162	494.53143	494.93182	0.05722	ug/L	10/19/10	10:40	
CCV	Tl	4895.73339	4899.70361	4891.76318	0.11468	ug/L	10/19/10	10:40	
CCV	V	4995.00488	4994.06591	4995.94384	0.02658	ug/L	10/19/10	10:40	
CCV	Zn	2423.79516	2421.41992	2426.17041	0.13858	ug/L	10/19/10	10:40	
CCV	2203/1	500.94348	502.32479	499.56216	0.38995	ug/L	10/19/10	10:40	
CCV	2203/2	486.18536	480.37753	491.99322	1.68938	ug/L	10/19/10	10:40	
CCV	1960/1	4996.40234	5009.41992	4983.38525	0.36845	ug/L	10/19/10	10:40	
CCV	1960/2	4813.08984	4806.77636	4819.40380	0.18551	ug/L	10/19/10	10:40	
CCV	Y	931.46398	931.63494	931.29296	0.02596		10/19/10	10:40	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	2.98517	0.66513	5.30522	109.91101	ug/L	10/19/10	10:45	
CCB	Al	-12.97583	-5.63001	-20.32166	80.06083	ug/L	10/19/10	10:45	
CCB	2Al	-0.01297	-0.00563	-0.02032	80.06101	mg/L	10/19/10	10:45	
CCB	As	-3.23585	1.25600	-7.72772	196.31427	ug/L	10/19/10	10:45	
CCB	B	6.84087	10.39430	3.28745	73.45994	ug/L	10/19/10	10:45	
CCB	Ba	0.95705	0.22410	1.69001	108.30638	ug/L	10/19/10	10:45	
CCB	Be	0.11974	-0.00258	0.24208	144.47613	ug/L	10/19/10	10:45	
CCB	Ca	6.67078	3.41163	9.92994	69.09441	ug/L	10/19/10	10:45	
CCB	Cd	0.74095	0.19328	1.28862	104.53063	ug/L	10/19/10	10:45	
CCB	Co	-0.90310	0.21625	-2.02246	175.28591	ug/L	10/19/10	10:45	
CCB	Cr	-0.37723	0.36115	-1.11561	276.81765	ug/L	10/19/10	10:45	
CCB	Cu	-1.37300	0.59758	-3.34360	202.97338	ug/L	10/19/10	10:45	
CCB	Fe	60.97290	-3.57097	125.51678	149.70393	ug/L	10/19/10	10:45	
CCB	2Fe	0.06096	-0.00357	0.12550	149.70382	mg/L	10/19/10	10:45	
CCB	K	75.43232	4.71925	146.14540	132.57363	ug/L	10/19/10	10:45	
CCB	Mg	-12.21985	-5.77558	-18.66411	74.58002	ug/L	10/19/10	10:45	
CCB	2Mg	-0.01222	-0.00577	-0.01868	74.64642	mg/L	10/19/10	10:45	
CCB	Mn	-0.07027	0.06763	-0.20818	277.52963	ug/L	10/19/10	10:45	
CCB	Mo	1.35473	0.08105	2.62840	132.95986	ug/L	10/19/10	10:45	
CCB	Na	617.71936	-18.54018	1253.97888	145.66596	ug/L	10/19/10	10:45	
CCB	Ni	3.29907	-1.01533	7.61348	184.94567	ug/L	10/19/10	10:45	
CCB	Pb	-1.30017	-2.17811	-0.42222	95.49521	ug/L	10/19/10	10:45	
CCB	Se	9.85546	0.51419	19.19673	134.04296	ug/L	10/19/10	10:45	
CCB	Sb	10.14783	-3.27956	23.57522	187.12573	ug/L	10/19/10	10:45	
CCB	Sn	10.13486	3.54153	16.72820	92.00298	ug/L	10/19/10	10:45	
CCB	Sr	-0.03423	0.12089	-0.18936	640.77484	ug/L	10/19/10	10:45	
CCB	Ti	-0.48450	-0.11841	-0.85059	106.85628	ug/L	10/19/10	10:45	
CCB	Tl	1.83581	-2.83091	6.50253	359.50042	ug/L	10/19/10	10:45	
CCB	V	3.83138	-0.28436	7.94713	151.91761	ug/L	10/19/10	10:45	
CCB	Zn	-0.43508	-0.22413	-0.64603	68.56870	ug/L	10/19/10	10:45	
CCB	2203/1	15.95345	-1.34413	33.25105	153.33662	ug/L	10/19/10	10:45	
CCB	2203/2	-9.91405	-2.59448	-17.23362	104.41175	ug/L	10/19/10	10:45	
CCB	1960/1	17.99150	-7.56474	43.54776	200.88365	ug/L	10/19/10	10:45	
CCB	1960/2	5.79354	4.54760	7.03948	30.41363	ug/L	10/19/10	10:45	
CCB	Y	931.70245	926.71197	936.69293	0.75749		10/19/10	10:45	
CCV	Ag	500.76965	500.72854	500.81072	0.01160	ug/L	10/19/10	10:51	
CCV	Al	5110.00781	5106.66796	5113.34814	0.09243	ug/L	10/19/10	10:51	
CCV	2Al	5.11030	5.10696	5.11364	0.09243	mg/L	10/19/10	10:51	
CCV	As	501.00738	502.78976	499.22503	0.50311	ug/L	10/19/10	10:51	
CCV	B	4958.55078	4959.98632	4957.11572	0.04093	ug/L	10/19/10	10:51	
CCV	Ba	5028.75195	5023.94384	5033.56054	0.13522	ug/L	10/19/10	10:51	
CCV	Be	491.45172	491.53421	491.36923	0.02373	ug/L	10/19/10	10:51	
CCV	Ca	4877.04882	4878.96923	4875.12792	0.05569	ug/L	10/19/10	10:51	
CCV	Cd	483.61663	483.47348	483.75979	0.04186	ug/L	10/19/10	10:51	
CCV	Co	497.09942	496.80444	497.39437	0.08391	ug/L	10/19/10	10:51	
CCV	Cr	4941.50292	4940.40722	4942.59863	0.03135	ug/L	10/19/10	10:51	
CCV	Cu	5055.06152	5054.49560	5055.62744	0.01583	ug/L	10/19/10	10:51	
CCV	Fe	4895.25000	4915.95947	4874.54003	0.59829	ug/L	10/19/10	10:51	
CCV	2Fe	4.89526	4.91596	4.87455	0.59822	mg/L	10/19/10	10:51	
CCV	K	10423.42578	10414.01464	10432.83593	0.12768	ug/L	10/19/10	10:51	
CCV	Mg	4983.33691	4993.86328	4972.81103	0.29871	ug/L	10/19/10	10:51	
CCV	2Mg	4.98336	4.99388	4.97283	0.29857	mg/L	10/19/10	10:51	
CCV	Mn	5001.68457	5005.84765	4997.52148	0.11771	ug/L	10/19/10	10:51	
CCV	Mo	482.66543	483.14089	482.18997	0.13931	ug/L	10/19/10	10:51	
CCV	Na	7764.23925	7814.37792	7714.10107	0.91324	ug/L	10/19/10	10:51	
CCV	Ni	2468.73095	2475.10253	2462.35961	0.36498	ug/L	10/19/10	10:51	
CCV	Pb	494.86975	490.97015	498.76931	1.11440	ug/L	10/19/10	10:51	
CCV	Se	4907.95605	4888.58251	4927.32958	0.55824	ug/L	10/19/10	10:51	
CCV	Sb	493.96627	498.38562	489.54693	1.26524	ug/L	10/19/10	10:51	
CCV	Sn	4913.89160	4919.69628	4908.08740	0.16705	ug/L	10/19/10	10:51	
CCV	Sr	2503.89160	2500.85668	2506.92626	0.17140	ug/L	10/19/10	10:51	
CCV	Ti	495.07525	495.07546	495.07501	0.00006	ug/L	10/19/10	10:51	
CCV	Tl	4918.37353	4917.12646	4919.62060	0.03585	ug/L	10/19/10	10:51	
CCV	V	4995.22753	4999.98095	4990.47363	0.13458	ug/L	10/19/10	10:51	
CCV	Zn	2442.73681	2445.99975	2439.47363	0.18891	ug/L	10/19/10	10:51	
CCV	2203/1	502.81396	499.82348	505.80444	0.84110	ug/L	10/19/10	10:51	
CCV	2203/2	490.90359	486.55014	495.25704	1.25415	ug/L	10/19/10	10:51	
CCV	1960/1	5003.85156	4989.59960	5018.10400	0.40280	ug/L	10/19/10	10:51	
CCV	1960/2	4860.08007	4838.14990	4882.01025	0.63813	ug/L	10/19/10	10:51	
CCV	Y	943.73547	946.92596	940.54498	0.47810		10/19/10	10:51	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.03688	0.21267	-0.28644	956.79840	ug/L	10/19/10	10:56	
CCB	Al	-12.48906	-9.06321	-15.91491	38.79301	ug/L	10/19/10	10:56	
CCB	2Al	-0.01248	-0.00906	-0.01591	38.79295	mg/L	10/19/10	10:56	
CCB	As	1.91063	5.30622	-1.48496	251.33587	ug/L	10/19/10	10:56	
CCB	B	10.00666	14.04958	5.96374	57.13746	ug/L	10/19/10	10:56	
CCB	Ba	0.36404	0.70854	0.01955	133.82514	ug/L	10/19/10	10:56	
CCB	Be	0.01585	0.03519	-0.00348	172.55607	ug/L	10/19/10	10:56	
CCB	Ca	1.17630	2.42748	-0.07487	150.42346	ug/L	10/19/10	10:56	
CCB	Cd	0.35609	0.52045	0.19172	65.27745	ug/L	10/19/10	10:56	
CCB	Co	0.08292	1.06405	-0.89821	1673.33532	ug/L	10/19/10	10:56	
CCB	Cr	-0.65079	-0.62622	-0.67535	5.33754	ug/L	10/19/10	10:56	
CCB	Cu	0.27968	0.97861	-0.41924	353.40914	ug/L	10/19/10	10:56	
CCB	Fe	9.38779	22.10821	-3.33261	191.62518	ug/L	10/19/10	10:56	
CCB	2Fe	0.00938	0.02210	-0.00333	191.62982	mg/L	10/19/10	10:56	
CCB	K	8.52871	23.46810	-6.41067	247.72192	ug/L	10/19/10	10:56	
CCB	Mg	-5.77449	-2.56452	-8.98445	78.61430	ug/L	10/19/10	10:56	
CCB	2Mg	-0.00577	-0.00256	-0.00898	78.54064	mg/L	10/19/10	10:56	
CCB	Mn	0.16828	0.39470	-0.05813	190.27436	ug/L	10/19/10	10:56	
CCB	Mo	2.33004	2.98475	1.67534	39.73728	ug/L	10/19/10	10:56	
CCB	Na	45.44743	203.48579	-112.59092	491.77691	ug/L	10/19/10	10:56	
CCB	Ni	0.46119	0.65169	0.27070	58.41444	ug/L	10/19/10	10:56	
CCB	Pb	-0.36533	-0.18541	-0.54525	69.64844	ug/L	10/19/10	10:56	
CCB	Se	1.71382	-1.30650	4.73414	249.23187	ug/L	10/19/10	10:56	
CCB	Sb	-3.15813	-2.75277	-3.56350	18.15216	ug/L	10/19/10	10:56	
CCB	Sn	3.26132	6.91552	-0.39286	158.45718	ug/L	10/19/10	10:56	
CCB	Sr	0.07122	0.14958	-0.00713	155.57858	ug/L	10/19/10	10:56	
CCB	Ti	0.04694	0.07399	0.01990	81.45898	ug/L	10/19/10	10:56	
CCB	Tl	-5.18444	-4.17382	-6.19506	27.56767	ug/L	10/19/10	10:56	
CCB	V	0.18553	0.78847	-0.41739	459.56335	ug/L	10/19/10	10:56	
CCB	Zn	0.04707	0.46160	-0.36746	1245.37341	ug/L	10/19/10	10:56	
CCB	2203/1	2.99157	5.69554	0.28760	127.82546	ug/L	10/19/10	10:56	
CCB	2203/2	-2.04127	-3.12148	-0.96106	74.83792	ug/L	10/19/10	10:56	
CCB	1960/1	7.08556	8.34920	5.82191	25.22125	ug/L	10/19/10	10:56	
CCB	1960/2	-0.96802	-6.12712	4.19108	753.70983	ug/L	10/19/10	10:56	
CCB	Y	942.90747	943.47894	942.33593	0.08571		10/19/10	10:56	
PBW 183192	Ag	13.38874	16.37902	10.39846	31.58542	ug/L	10/19/10	11:03	
PBW 183192	Al	548.03851	676.84100	419.23602	33.23748	ug/L	10/19/10	11:03	
PBW 183192	2Al	0.54807	0.67688	0.41926	33.23749	mg/L	10/19/10	11:03	
PBW 183192	As	551.15722	679.92974	422.38464	33.04173	ug/L	10/19/10	11:03	
PBW 183192	B	264.54345	325.71484	203.37205	32.70140	ug/L	10/19/10	11:03	
PBW 183192	Ba	560.84521	691.95611	429.73434	33.06060	ug/L	10/19/10	11:03	
PBW 183192	Be	13.45251	16.59165	10.31337	33.00057	ug/L	10/19/10	11:03	
PBW 183192	Ca	1322.18579	1629.71630	1014.65521	32.89355	ug/L	10/19/10	11:03	
PBW 183192	Cd	13.87773	17.29052	10.46493	34.77815	ug/L	10/19/10	11:03	
PBW 183192	Co	137.30818	168.95468	105.66167	32.59450	ug/L	10/19/10	11:03	
PBW 183192	Cr	53.81983	66.54584	41.09381	33.43991	ug/L	10/19/10	11:03	
PBW 183192	Cu	68.24986	84.89728	51.60243	34.49532	ug/L	10/19/10	11:03	
PBW 183192	Fe	298.61538	362.68859	234.54219	30.34444	ug/L	10/19/10	11:03	
PBW 183192	2Fe	0.29863	0.36271	0.23455	30.34489	mg/L	10/19/10	11:03	
PBW 183192	K	1414.14672	1733.62377	1094.66967	31.94921	ug/L	10/19/10	11:03	
PBW 183192	Mg	1314.30175	1624.79467	1003.80877	33.40962	ug/L	10/19/10	11:03	
PBW 183192	2Mg	1.31394	1.62435	1.00353	33.40973	mg/L	10/19/10	11:03	
PBW 183192	Mn	138.20104	170.55358	105.84851	33.10639	ug/L	10/19/10	11:03	
PBW 183192	Mo	131.22799	161.85064	100.60533	33.00132	ug/L	10/19/10	11:03	
PBW 183192	Na	1741.26025	2172.74560	1309.77490	35.04430	ug/L	10/19/10	11:03	
PBW 183192	Ni	137.47891	169.81362	105.14418	33.26197	ug/L	10/19/10	11:03	
PBW 183192	Pb	143.86895	180.94604	106.79186	36.44631	ug/L	10/19/10	11:03	
PBW 183192	Se	597.17340	743.36236	450.98443	34.62016	ug/L	10/19/10	11:03	
PBW 183192	Sb	133.34721	165.13301	101.56142	33.71041	ug/L	10/19/10	11:03	
PBW 183192	Sn	272.07217	335.82458	208.31976	33.13809	ug/L	10/19/10	11:03	
PBW 183192	Sr	136.71823	168.64823	104.78821	33.02840	ug/L	10/19/10	11:03	
PBW 183192	Ti	264.30609	326.17739	202.43475	33.10527	ug/L	10/19/10	11:03	
PBW 183192	Tl	559.56921	689.05975	430.07873	32.72646	ug/L	10/19/10	11:03	
PBW 183192	V	137.32946	169.28648	105.37244	32.90921	ug/L	10/19/10	11:03	
PBW 183192	Zn	137.52989	169.07174	105.98802	32.43434	ug/L	10/19/10	11:03	
PBW 183192	2203/1	134.16757	163.81875	104.51637	31.25428	ug/L	10/19/10	11:03	
PBW 183192	2203/2	148.71237	189.49684	107.92790	38.78490	ug/L	10/19/10	11:03	
PBW 183192	1960/1	540.26867	655.84777	424.68963	30.25411	ug/L	10/19/10	11:03	
PBW 183192	1960/2	625.58294	787.05389	464.11199	36.50265	ug/L	10/19/10	11:03	
PBW 183192	Y	951.48895	950.00396	952.97393	0.22071		10/19/10	11:03	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
PBW 183192	Ag	0.88844	0.39422	1.38265	78.66870	ug/L	10/19/10	11:10	
PBW 183192	Al	-7.27448	-15.12194	0.57298	152.56063	ug/L	10/19/10	11:10	
PBW 183192	2Al	-0.00727	-0.01512	0.00057	152.56063	mg/L	10/19/10	11:10	
PBW 183192	As	-3.88006	-5.21490	-2.54522	48.65234	ug/L	10/19/10	11:10	
PBW 183192	B	-2.67134	-2.88008	-2.46260	11.05055	ug/L	10/19/10	11:10	
PBW 183192	Ba	0.33910	0.11423	0.56397	93.78163	ug/L	10/19/10	11:10	
PBW 183192	Be	0.00639	-0.00770	0.02049	311.75711	ug/L	10/19/10	11:10	
PBW 183192	Ca	9.86646	8.92612	10.80680	13.47845	ug/L	10/19/10	11:10	
PBW 183192	Cd	-0.13869	-0.37533	0.09795	241.29910	ug/L	10/19/10	11:10	
PBW 183192	Co	-0.75890	-1.45769	-0.06011	130.21865	ug/L	10/19/10	11:10	
PBW 183192	Cr	-1.15526	-1.34834	-0.96218	23.63546	ug/L	10/19/10	11:10	
PBW 183192	Cu	-0.79671	-1.26768	-0.32574	83.59970	ug/L	10/19/10	11:10	
PBW 183192	Fe	32.05682	7.44890	56.66474	108.55987	ug/L	10/19/10	11:10	
PBW 183192	2Fe	0.03205	0.00744	0.05665	108.56221	mg/L	10/19/10	11:10	
PBW 183192	K	22.99528	6.16442	39.82614	103.51001	ug/L	10/19/10	11:10	
PBW 183192	Mg	-8.94268	-12.12302	-5.76234	50.29452	ug/L	10/19/10	11:10	
PBW 183192	2Mg	-0.00894	-0.01212	-0.00577	50.19588	mg/L	10/19/10	11:10	
PBW 183192	Mn	0.33653	0.25430	0.41876	34.55520	ug/L	10/19/10	11:10	
PBW 183192	Mo	-0.47542	1.19500	-2.14585	496.89202	ug/L	10/19/10	11:10	
PBW 183192	Na	73.48625	-100.45473	247.42724	334.74246	ug/L	10/19/10	11:10	
PBW 183192	Ni	0.08967	-0.98821	1.16756	1699.91918	ug/L	10/19/10	11:10	
PBW 183192	Pb	-2.80559	-3.98691	-1.62428	59.54641	ug/L	10/19/10	11:10	
PBW 183192	Se	-0.07940	0.83531	-0.99412	1629.11743	ug/L	10/19/10	11:10	
PBW 183192	Sb	-5.03852	-13.11804	3.04099	226.77612	ug/L	10/19/10	11:10	
PBW 183192	Sn	8.46952	5.98276	10.95627	41.52308	ug/L	10/19/10	11:10	
PBW 183192	Sr	-0.03288	-0.09012	0.02435	246.17013	ug/L	10/19/10	11:10	
PBW 183192	Ti	-0.15335	-0.22029	-0.08641	61.72852	ug/L	10/19/10	11:10	
PBW 183192	Tl	-0.44287	-1.33044	0.44468	283.42044	ug/L	10/19/10	11:10	
PBW 183192	V	-0.51466	-1.36385	0.33452	233.34454	ug/L	10/19/10	11:10	
PBW 183192	Zn	0.69212	0.31559	1.06866	76.93706	ug/L	10/19/10	11:10	
PBW 183192	2203/1	7.30527	7.49364	7.11691	3.64649	ug/L	10/19/10	11:10	
PBW 183192	2203/2	-7.85345	-9.71858	-5.98832	33.58638	ug/L	10/19/10	11:10	
PBW 183192	1960/1	9.35437	10.34119	8.36755	14.91893	ug/L	10/19/10	11:10	
PBW 183192	1960/2	-4.78922	-3.91049	-5.66795	25.94794	ug/L	10/19/10	11:10	
PBW 183192	Y	952.21350	952.00195	952.42498	0.03141		10/19/10	11:10	
LCSW-1	Ag	46.07278	47.03840	45.10717	2.96398	ug/L	10/19/10	11:15	
LCSW-1	Al	2094.97265	2096.53833	2093.40698	0.10569	ug/L	10/19/10	11:15	
LCSW-1	2Al	2.09510	2.09667	2.09354	0.10569	mg/L	10/19/10	11:15	
LCSW-1	As	2041.28161	2047.31005	2035.25317	0.41765	ug/L	10/19/10	11:15	
LCSW-1	B	986.29003	984.02520	988.55487	0.32474	ug/L	10/19/10	11:15	
LCSW-1	Ba	2094.63330	2096.42089	2092.84570	0.12069	ug/L	10/19/10	11:15	
LCSW-1	Be	50.79129	50.90856	50.67403	0.32651	ug/L	10/19/10	11:15	
LCSW-1	Ca	4995.31738	5002.44628	4988.18798	0.20183	ug/L	10/19/10	11:15	
LCSW-1	Cd	51.31163	51.48069	51.14257	0.46595	ug/L	10/19/10	11:15	
LCSW-1	Co	520.24060	520.55535	519.92590	0.08555	ug/L	10/19/10	11:15	
LCSW-1	Cr	207.28160	207.05387	207.50932	0.15536	ug/L	10/19/10	11:15	
LCSW-1	Cu	260.98107	261.25970	260.70242	0.15099	ug/L	10/19/10	11:15	
LCSW-1	Fe	1076.05224	1091.59082	1060.51367	2.04217	ug/L	10/19/10	11:15	
LCSW-1	2Fe	1.07613	1.09167	1.06059	2.04178	mg/L	10/19/10	11:15	
LCSW-1	K	5142.23535	5161.00292	5123.46777	0.51614	ug/L	10/19/10	11:15	
LCSW-1	Mg	5043.05517	5055.55273	5030.55761	0.35046	ug/L	10/19/10	11:15	
LCSW-1	2Mg	5.04168	5.05417	5.02918	0.35039	mg/L	10/19/10	11:15	
LCSW-1	Mn	522.40917	522.88616	521.93225	0.12911	ug/L	10/19/10	11:15	
LCSW-1	Mo	493.52966	493.07135	493.98794	0.13132	ug/L	10/19/10	11:15	
LCSW-1	Na	5351.91210	5583.77294	5120.05126	6.12679	ug/L	10/19/10	11:15	
LCSW-1	Ni	514.81597	519.30944	510.32250	1.23436	ug/L	10/19/10	11:15	
LCSW-1	Pb	513.36669	513.66705	513.06640	0.08273	ug/L	10/19/10	11:15	
LCSW-1	Se	2049.13818	2049.31542	2048.96069	0.01224	ug/L	10/19/10	11:15	
LCSW-1	Sb	497.77487	502.58215	492.96759	1.36578	ug/L	10/19/10	11:15	
LCSW-1	Sn	1010.03454	1010.35754	1009.71148	0.04522	ug/L	10/19/10	11:15	
LCSW-1	Sr	513.36065	513.79241	512.92889	0.11894	ug/L	10/19/10	11:15	
LCSW-1	Ti	996.13391	996.04705	996.22070	0.01232	ug/L	10/19/10	11:15	
LCSW-1	Tl	2105.07861	2113.07348	2097.08398	0.53709	ug/L	10/19/10	11:15	
LCSW-1	V	514.68603	515.48858	513.88354	0.22051	ug/L	10/19/10	11:15	
LCSW-1	Zn	519.97705	520.60211	519.35198	0.17000	ug/L	10/19/10	11:15	
LCSW-1	2203/1	517.06518	521.45965	512.67065	1.20193	ug/L	10/19/10	11:15	
LCSW-1	2203/2	511.52026	509.77655	513.26397	0.48208	ug/L	10/19/10	11:15	
LCSW-1	1960/1	2084.00634	2093.20825	2074.80444	0.62444	ug/L	10/19/10	11:15	
LCSW-1	1960/2	2031.72949	2027.40136	2036.05773	0.30126	ug/L	10/19/10	11:15	
LCSW-1	Y	957.88342	957.60894	958.15795	0.04052		10/19/10	11:15	

0101810

SNPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62237-1	Ag	0.68279	1.34872	0.01686	137.92732	ug/L	10/19/10	11:20	
62237-1	Al	35262.67187	35299.62890	35225.71093	0.14822	ug/L	10/19/10	11:20	
62237-1	2Al	35.26346	35.29888	35.22804	0.14204	mg/L	10/19/10	11:20	
62237-1	As	28.67414	24.13567	33.21260	22.38377	ug/L	10/19/10	11:20	
62237-1	B	12.06878	12.18082	11.95673	1.31292	ug/L	10/19/10	11:20	
62237-1	Ba	116.46392	116.75875	116.16908	0.35801	ug/L	10/19/10	11:20	
62237-1	Be	1.04890	1.06873	1.02908	2.67289	ug/L	10/19/10	11:20	
62237-1	Ca	365.77276	367.33624	364.20928	0.60449	ug/L	10/19/10	11:20	
62237-1	Cd	-0.07943	0.10146	-0.26033	322.05535	ug/L	10/19/10	11:20	
62237-1	Co	6.68741	6.12671	7.24811	11.85728	ug/L	10/19/10	11:20	
62237-1	Cr	207.38690	206.82458	207.94920	0.38345	ug/L	10/19/10	11:20	
62237-1	Cu	38.16344	37.54508	38.78180	2.29143	ug/L	10/19/10	11:20	
62237-1	Fe	69329.34375	69371.94531	69286.73437	0.08690	ug/L	10/19/10	11:20	
62237-1	2Fe	69.31796	69.35795	69.27796	0.08159	mg/L	10/19/10	11:20	
62237-1	K	3117.34863	3127.95800	3106.73925	0.48130	ug/L	10/19/10	11:20	
62237-1	Mg	2261.13256	2260.06567	2262.19946	0.06672	ug/L	10/19/10	11:20	
62237-1	2Mg	2.24837	2.24729	2.24944	0.06753	mg/L	10/19/10	11:20	
62237-1	Mn	145.89727	145.76228	146.03228	0.13086	ug/L	10/19/10	11:20	
62237-1	Mo	2.94297	6.16656	-0.28060	154.90568	ug/L	10/19/10	11:20	
62237-1	Na	321.34875	388.71017	253.98731	29.64487	ug/L	10/19/10	11:20	
62237-1	Ni	14.72974	15.36751	14.09196	6.12331	ug/L	10/19/10	11:20	
62237-1	Pb	37.94664	38.62740	37.26586	2.53712	ug/L	10/19/10	11:20	
62237-1	Se	3.78434	8.16091	-0.59223	163.55322	ug/L	10/19/10	11:20	
62237-1	Sb	-1.93849	1.16574	-5.04274	226.46705	ug/L	10/19/10	11:20	
62237-1	Sn	15.01459	17.59889	12.43028	24.34138	ug/L	10/19/10	11:20	
62237-1	Sr	17.67213	17.65670	17.68755	0.12345	ug/L	10/19/10	11:20	
62237-1	Ti	944.56542	944.23242	944.89837	0.04985	ug/L	10/19/10	11:20	
62237-1	Tl	2.89090	2.29210	3.48969	29.29269	ug/L	10/19/10	11:20	
62237-1	V	201.30459	201.51330	201.09587	0.14662	ug/L	10/19/10	11:20	
62237-1	Zn	54.33717	53.79185	54.88248	1.41926	ug/L	10/19/10	11:20	
62237-1	2203/1	42.35089	49.22827	35.47352	22.96545	ug/L	10/19/10	11:20	
62237-1	2203/2	35.74781	33.33491	38.16069	9.54559	ug/L	10/19/10	11:20	
62237-1	1960/1	6.96753	14.07657	-0.14151	144.29365	ug/L	10/19/10	11:20	
62237-1	1960/2	2.19513	5.20752	-0.81725	194.07312	ug/L	10/19/10	11:20	
62237-1	Y	975.19042	972.97198	977.40893	0.32172		10/19/10	11:20	
62237-2	Ag	0.49847	-0.64625	1.64321	324.76837	ug/L	10/19/10	11:26	
62237-2	Al	46156.51562	46143.29296	46169.73437	0.04050	ug/L	10/19/10	11:26	
62237-2	2Al	46.15773	46.14492	46.17053	0.03924	mg/L	10/19/10	11:26	
62237-2	As	24.30097	25.06583	23.53612	4.45113	ug/L	10/19/10	11:26	
62237-2	B	15.05327	15.41502	14.69153	3.39849	ug/L	10/19/10	11:26	
62237-2	Ba	143.36883	143.26594	143.47172	0.10149	ug/L	10/19/10	11:26	
62237-2	Be	1.38351	1.37038	1.39665	1.34259	ug/L	10/19/10	11:26	
62237-2	Ca	623.23571	623.74987	622.72155	0.11667	ug/L	10/19/10	11:26	
62237-2	Cd	0.22456	-0.00097	0.45010	142.03512	ug/L	10/19/10	11:26	
62237-2	Co	9.35436	9.45963	9.24909	1.59147	ug/L	10/19/10	11:26	
62237-2	Cr	168.29000	168.30076	168.27923	0.00904	ug/L	10/19/10	11:26	
62237-2	Cu	32.29852	33.25125	31.34578	4.17161	ug/L	10/19/10	11:26	
62237-2	Fe	74596.64843	74663.10156	74530.19531	0.12598	ug/L	10/19/10	11:26	
62237-2	2Fe	74.58525	74.65235	74.51816	0.12721	mg/L	10/19/10	11:26	
62237-2	K	3409.44702	3398.92919	3419.96484	0.43627	ug/L	10/19/10	11:26	
62237-2	Mg	3518.42822	3522.65747	3514.19921	0.16998	ug/L	10/19/10	11:26	
62237-2	2Mg	3.50441	3.50863	3.50020	0.17014	mg/L	10/19/10	11:26	
62237-2	Mn	216.91918	216.98214	216.85624	0.04104	ug/L	10/19/10	11:26	
62237-2	Mo	2.20763	1.62092	2.79434	37.58464	ug/L	10/19/10	11:26	
62237-2	Na	388.28598	484.25708	292.31488	34.95455	ug/L	10/19/10	11:26	
62237-2	Ni	22.35257	22.51798	22.18717	1.04646	ug/L	10/19/10	11:26	
62237-2	Pb	32.20113	32.79998	31.60228	2.63002	ug/L	10/19/10	11:26	
62237-2	Se	1.54084	6.41008	-3.32839	446.90716	ug/L	10/19/10	11:26	
62237-2	Sb	1.96339	-2.30506	6.23184	307.45275	ug/L	10/19/10	11:26	
62237-2	Sn	20.83412	19.11641	22.55183	11.65977	ug/L	10/19/10	11:26	
62237-2	Sr	19.59696	19.58802	19.60589	0.06447	ug/L	10/19/10	11:26	
62237-2	Ti	1383.84619	1384.06372	1383.62878	0.02222	ug/L	10/19/10	11:26	
62237-2	Tl	-4.86572	-6.55170	-3.17975	49.00250	ug/L	10/19/10	11:26	
62237-2	V	179.41268	179.08993	179.73544	0.25440	ug/L	10/19/10	11:26	
62237-2	Zn	69.03747	69.09013	68.98480	0.10787	ug/L	10/19/10	11:26	
62237-2	2203/1	41.11922	35.09744	47.14100	20.71071	ug/L	10/19/10	11:26	
62237-2	2203/2	27.74877	31.65297	23.84457	19.89771	ug/L	10/19/10	11:26	
62237-2	1960/1	10.86180	10.55131	11.17229	4.04260	ug/L	10/19/10	11:26	
62237-2	1960/2	-3.11264	4.34257	-10.56786	338.72363	ug/L	10/19/10	11:26	
62237-2	Y	976.37847	975.63598	977.12097	0.10754		10/19/10	11:26	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62237-3	Ag	1.57642	2.18045	0.97240	54.18704	ug/L	10/19/10	11:31	
62237-3	Al	48268.44531	48292.46484	48244.42968	0.07036	ug/L	10/19/10	11:31	
62237-3	2Al	48.27103	48.29566	48.24641	0.07215	mg/L	10/19/10	11:31	
62237-3	As	23.53934	22.08928	24.98941	8.71181	ug/L	10/19/10	11:31	
62237-3	B	12.86091	10.66216	15.05966	24.17792	ug/L	10/19/10	11:31	
62237-3	Ba	148.11042	148.19151	148.02934	0.07742	ug/L	10/19/10	11:31	
62237-3	Be	1.60701	1.60508	1.60893	0.16921	ug/L	10/19/10	11:31	
62237-3	Ca	524.36962	525.13348	523.60571	0.20601	ug/L	10/19/10	11:31	
62237-3	Cd	0.16792	0.67913	-0.34328	430.52261	ug/L	10/19/10	11:31	
62237-3	Co	9.93453	9.36634	10.50271	8.08825	ug/L	10/19/10	11:31	
62237-3	Cr	191.79670	191.37568	192.21772	0.31043	ug/L	10/19/10	11:31	
62237-3	Cu	36.52120	36.21843	36.82397	1.17240	ug/L	10/19/10	11:31	
62237-3	Fe	86658.10937	86527.44531	86788.76562	0.21323	ug/L	10/19/10	11:31	
62237-3	2Fe	86.64649	86.51650	86.77650	0.21218	mg/L	10/19/10	11:31	
62237-3	K	3759.20361	3769.48730	3748.91992	0.38687	ug/L	10/19/10	11:31	
62237-3	Mg	3580.92114	3574.17163	3587.67065	0.26655	ug/L	10/19/10	11:31	
62237-3	2Mg	3.56477	3.55805	3.57150	0.26678	mg/L	10/19/10	11:31	
62237-3	Mn	227.55570	227.41992	227.69149	0.08438	ug/L	10/19/10	11:31	
62237-3	Mo	3.86194	3.51096	4.21292	12.85254	ug/L	10/19/10	11:31	
62237-3	Na	580.53222	495.05566	666.00885	20.82264	ug/L	10/19/10	11:31	
62237-3	Ni	23.92710	24.35805	23.49616	2.54710	ug/L	10/19/10	11:31	
62237-3	Pb	36.13872	34.56615	37.71129	6.15392	ug/L	10/19/10	11:31	
62237-3	Se	9.88627	6.91500	12.85755	42.50347	ug/L	10/19/10	11:31	
62237-3	Sb	1.91366	1.48367	2.34365	31.77641	ug/L	10/19/10	11:31	
62237-3	Sn	22.18716	22.44531	21.92901	1.64546	ug/L	10/19/10	11:31	
62237-3	Sr	19.41914	19.42298	19.41530	0.02796	ug/L	10/19/10	11:31	
62237-3	Ti	1363.84545	1362.60437	1365.08654	0.12869	ug/L	10/19/10	11:31	
62237-3	Tl	1.69424	-0.68003	4.06853	198.18521	ug/L	10/19/10	11:31	
62237-3	V	198.81323	199.25990	198.36656	0.31772	ug/L	10/19/10	11:31	
62237-3	Zn	76.91296	76.60153	77.22438	0.57262	ug/L	10/19/10	11:31	
62237-3	2203/1	51.90116	53.99819	49.80413	5.71402	ug/L	10/19/10	11:31	
62237-3	2203/2	28.26932	24.86470	31.67394	17.03209	ug/L	10/19/10	11:31	
62237-3	1960/1	18.84088	23.69709	13.98467	36.45115	ug/L	10/19/10	11:31	
62237-3	1960/2	5.41568	-1.46345	12.29483	179.63694	ug/L	10/19/10	11:31	
62237-3	Y	981.47692	979.09197	983.86193	0.34365		10/19/10	11:31	
62237-4	Ag	0.22557	-0.64304	1.09420	544.56317	ug/L	10/19/10	11:36	
62237-4	Al	45851.73046	45775.88671	45927.57421	0.23392	ug/L	10/19/10	11:36	
62237-4	2Al	45.85222	45.77770	45.92674	0.22984	mg/L	10/19/10	11:36	
62237-4	As	23.73591	23.16147	24.31036	3.42263	ug/L	10/19/10	11:36	
62237-4	B	13.29504	13.24909	13.34098	0.48871	ug/L	10/19/10	11:36	
62237-4	Ba	140.57902	140.55488	140.60316	0.02428	ug/L	10/19/10	11:36	
62237-4	Be	1.54646	1.54600	1.54691	0.04188	ug/L	10/19/10	11:36	
62237-4	Ca	522.77062	523.12847	522.41284	0.09679	ug/L	10/19/10	11:36	
62237-4	Cd	-0.15852	-0.45647	0.13942	265.79895	ug/L	10/19/10	11:36	
62237-4	Co	10.20992	9.70626	10.71359	6.97646	ug/L	10/19/10	11:36	
62237-4	Cr	169.66033	169.67866	169.64201	0.01527	ug/L	10/19/10	11:36	
62237-4	Cu	32.54921	33.31650	31.78193	3.33374	ug/L	10/19/10	11:36	
62237-4	Fe	82046.04687	81927.36718	82164.72656	0.20456	ug/L	10/19/10	11:36	
62237-4	2Fe	82.03178	81.91570	82.14787	0.20012	mg/L	10/19/10	11:36	
62237-4	K	3265.87646	3242.22290	3289.53027	1.02426	ug/L	10/19/10	11:36	
62237-4	Mg	3332.57641	3328.01855	3337.13427	0.19341	ug/L	10/19/10	11:36	
62237-4	2Mg	3.31730	3.31276	3.32184	0.19339	mg/L	10/19/10	11:36	
62237-4	Mn	208.13534	208.02912	208.24156	0.07217	ug/L	10/19/10	11:36	
62237-4	Mo	1.78990	1.42942	2.15037	28.48136	ug/L	10/19/10	11:36	
62237-4	Na	435.91870	445.78018	426.05725	3.19927	ug/L	10/19/10	11:36	
62237-4	Ni	19.29758	19.41512	19.18004	0.86138	ug/L	10/19/10	11:36	
62237-4	Pb	30.93296	29.11945	32.74647	8.29110	ug/L	10/19/10	11:36	
62237-4	Se	7.11258	6.28526	7.93990	16.44987	ug/L	10/19/10	11:36	
62237-4	Sb	-1.55042	-6.83760	3.73674	482.26605	ug/L	10/19/10	11:36	
62237-4	Sn	21.15573	21.24354	21.06791	0.58703	ug/L	10/19/10	11:36	
62237-4	Sr	19.09395	19.12117	19.06673	0.20160	ug/L	10/19/10	11:36	
62237-4	Ti	1492.42480	1489.74670	1495.10278	0.25376	ug/L	10/19/10	11:36	
62237-4	Tl	-3.74717	-4.22424	-3.27009	18.00522	ug/L	10/19/10	11:36	
62237-4	V	186.52072	185.16078	187.88064	1.03111	ug/L	10/19/10	11:36	
62237-4	Zn	82.19378	81.95859	82.42897	0.40466	ug/L	10/19/10	11:36	
62237-4	2203/1	34.48290	33.90005	35.06575	2.39037	ug/L	10/19/10	11:36	
62237-4	2203/2	29.16065	26.73274	31.58856	11.77472	ug/L	10/19/10	11:36	
62237-4	1960/1	14.69679	16.15595	13.23763	14.04093	ug/L	10/19/10	11:36	
62237-4	1960/2	3.32616	1.35731	5.29501	83.71137	ug/L	10/19/10	11:36	
62237-4	Y	982.68298	983.11492	982.25097	0.06216		10/19/10	11:36	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62237-5	Ag	0.79855	0.61377	0.98332	32.72307	ug/L	10/19/10	11:41	
62237-5	Al	41974.17968	41955.56640	41992.78906	0.06270	ug/L	10/19/10	11:41	
62237-5	2Al	41.97429	41.95773	41.99084	0.05578	mg/L	10/19/10	11:41	
62237-5	As	20.83446	22.95890	18.71001	14.42043	ug/L	10/19/10	11:41	
62237-5	B	12.32104	10.34398	14.29811	22.69284	ug/L	10/19/10	11:41	
62237-5	Ba	134.94076	135.09088	134.79066	0.15731	ug/L	10/19/10	11:41	
62237-5	Be	1.26193	1.31815	1.20572	6.29990	ug/L	10/19/10	11:41	
62237-5	Ca	977.86437	980.18237	975.54632	0.33523	ug/L	10/19/10	11:41	
62237-5	Cd	0.11487	0.55956	-0.32982	547.47241	ug/L	10/19/10	11:41	
62237-5	Co	9.75147	9.97207	9.53087	3.19921	ug/L	10/19/10	11:41	
62237-5	Cr	166.03671	166.05894	166.01446	0.01894	ug/L	10/19/10	11:41	
62237-5	Cu	31.03185	30.94330	31.12041	0.40356	ug/L	10/19/10	11:41	
62237-5	Fe	69041.15625	69165.07031	68917.24218	0.25382	ug/L	10/19/10	11:41	
62237-5	2Fe	69.02851	69.15631	68.90071	0.26182	mg/L	10/19/10	11:41	
62237-5	K	3320.42822	3331.94067	3308.91552	0.49033	ug/L	10/19/10	11:41	
62237-5	Mg	3258.63232	3256.79833	3260.46630	0.07959	ug/L	10/19/10	11:41	
62237-5	2Mg	3.24566	3.24381	3.24752	0.08085	mg/L	10/19/10	11:41	
62237-5	Mn	209.21403	209.41888	209.00918	0.13847	ug/L	10/19/10	11:41	
62237-5	Mo	1.47734	2.05785	0.89684	55.56957	ug/L	10/19/10	11:41	
62237-5	Na	415.96984	570.49041	261.44927	52.53387	ug/L	10/19/10	11:41	
62237-5	Ni	19.08891	19.84098	18.33684	5.57173	ug/L	10/19/10	11:41	
62237-5	Pb	31.84517	31.82560	31.86473	0.08688	ug/L	10/19/10	11:41	
62237-5	Se	3.21104	10.67188	-4.24980	328.59219	ug/L	10/19/10	11:41	
62237-5	Sb	-3.77424	-0.29476	-7.25372	130.37648	ug/L	10/19/10	11:41	
62237-5	Sn	23.17506	22.00553	24.34459	7.13681	ug/L	10/19/10	11:41	
62237-5	Sr	19.14158	19.15284	19.13032	0.08317	ug/L	10/19/10	11:41	
62237-5	Ti	1255.80102	1257.79223	1253.80981	0.22423	ug/L	10/19/10	11:41	
62237-5	Tl	-4.13076	0.47065	-8.73219	157.53469	ug/L	10/19/10	11:41	
62237-5	V	165.66024	166.16036	165.16012	0.42694	ug/L	10/19/10	11:41	
62237-5	Zn	68.66342	69.12803	68.19880	0.95693	ug/L	10/19/10	11:41	
62237-5	2203/1	39.88166	41.81037	37.95294	6.83927	ug/L	10/19/10	11:41	
62237-5	2203/2	27.83295	26.84070	28.82519	5.04167	ug/L	10/19/10	11:41	
62237-5	1960/1	10.41409	17.66247	3.16571	98.43155	ug/L	10/19/10	11:41	
62237-5	1960/2	-0.38508	7.18183	-7.95200	2778.91259	ug/L	10/19/10	11:41	
62237-5	Y	979.24047	983.51995	974.96093	0.61804		10/19/10	11:41	
62237-6	Ag	0.82431	1.09337	0.55524	46.16157	ug/L	10/19/10	11:46	
62237-6	Al	52463.06250	52415.71875	52510.41015	0.12762	ug/L	10/19/10	11:46	
62237-6	2Al	52.46358	52.41511	52.51205	0.13064	mg/L	10/19/10	11:46	
62237-6	As	23.85355	22.56376	25.14334	7.64682	ug/L	10/19/10	11:46	
62237-6	B	16.46269	16.04153	16.88385	3.61791	ug/L	10/19/10	11:46	
62237-6	Ba	151.78048	151.90637	151.65461	0.11728	ug/L	10/19/10	11:46	
62237-6	Be	1.51460	1.50952	1.51969	0.47472	ug/L	10/19/10	11:46	
62237-6	Ca	529.32482	529.33178	529.31787	0.00185	ug/L	10/19/10	11:46	
62237-6	Cd	0.13855	0.05712	0.21998	83.11924	ug/L	10/19/10	11:46	
62237-6	Co	10.21444	10.58359	9.84529	5.11100	ug/L	10/19/10	11:46	
62237-6	Cr	189.78051	190.26770	189.29335	0.36303	ug/L	10/19/10	11:46	
62237-6	Cu	34.27730	33.86354	34.69106	1.70709	ug/L	10/19/10	11:46	
62237-6	Fe	80485.15625	80359.62500	80610.69531	0.22057	ug/L	10/19/10	11:46	
62237-6	2Fe	80.47109	80.34429	80.59790	0.22285	mg/L	10/19/10	11:46	
62237-6	K	3543.34399	3552.75463	3533.93334	0.37559	ug/L	10/19/10	11:46	
62237-6	Mg	3802.84179	3790.11914	3815.56420	0.47312	ug/L	10/19/10	11:46	
62237-6	2Mg	3.78772	3.77502	3.80042	0.47406	mg/L	10/19/10	11:46	
62237-6	Mn	231.19985	230.98080	231.41893	0.13399	ug/L	10/19/10	11:46	
62237-6	Mo	2.68994	2.59866	2.78123	4.79930	ug/L	10/19/10	11:46	
62237-6	Na	423.36865	501.35037	345.38693	26.04888	ug/L	10/19/10	11:46	
62237-6	Ni	23.90616	23.56171	24.25060	2.03762	ug/L	10/19/10	11:46	
62237-6	Pb	32.53115	34.56178	30.50053	8.82764	ug/L	10/19/10	11:46	
62237-6	Se	4.57398	4.65017	4.49779	2.35582	ug/L	10/19/10	11:46	
62237-6	Sb	1.65020	-0.33827	3.63868	170.41113	ug/L	10/19/10	11:46	
62237-6	Sn	23.70994	24.72388	22.69600	6.04778	ug/L	10/19/10	11:46	
62237-6	Sr	20.57890	20.60009	20.55771	0.14560	ug/L	10/19/10	11:46	
62237-6	Ti	1509.32421	1507.75292	1510.89538	0.14722	ug/L	10/19/10	11:46	
62237-6	Tl	-4.47111	-3.83982	-5.10241	19.96791	ug/L	10/19/10	11:46	
62237-6	V	205.87379	206.13641	205.61117	0.18040	ug/L	10/19/10	11:46	
62237-6	Zn	77.40531	77.36656	77.44406	0.07079	ug/L	10/19/10	11:46	
62237-6	2203/1	42.98771	42.24299	43.73244	2.45000	ug/L	10/19/10	11:46	
62237-6	2203/2	27.31071	30.72693	23.89450	17.68996	ug/L	10/19/10	11:46	
62237-6	1960/1	14.34947	14.90693	13.79201	5.49406	ug/L	10/19/10	11:46	
62237-6	1960/2	-0.30643	-0.47051	-0.14235	75.72388	ug/L	10/19/10	11:46	
62237-6	Y	982.36346	982.86297	981.86395	0.07190		10/19/10	11:46	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62237-7	Ag	0.77394	0.86619	0.68169	16.85652	ug/L	10/19/10	11:51	
62237-7	Al	41038.82421	41024.18750	41053.46093	0.05043	ug/L	10/19/10	11:51	
62237-7	2Al	41.03876	41.02381	41.05371	0.05152	mg/L	10/19/10	11:51	
62237-7	As	20.30204	19.65000	20.95407	4.54199	ug/L	10/19/10	11:51	
62237-7	B	12.69371	11.17200	14.21541	16.95339	ug/L	10/19/10	11:51	
62237-7	Ba	139.21697	139.24960	139.18437	0.03313	ug/L	10/19/10	11:51	
62237-7	Be	1.22998	1.23579	1.22417	0.66807	ug/L	10/19/10	11:51	
62237-7	Ca	649.23553	649.68670	648.78436	0.09827	ug/L	10/19/10	11:51	
62237-7	Cd	-0.01480	0.15535	-0.18495	1625.71203	ug/L	10/19/10	11:51	
62237-7	Co	8.26097	8.08544	8.43651	3.00496	ug/L	10/19/10	11:51	
62237-7	Cr	157.72743	157.45303	158.00183	0.24603	ug/L	10/19/10	11:51	
62237-7	Cu	31.41676	31.30337	31.53016	0.51044	ug/L	10/19/10	11:51	
62237-7	Fe	68108.18750	68041.28906	68175.09375	0.13891	ug/L	10/19/10	11:51	
62237-7	2Fe	68.09500	68.02745	68.16255	0.14029	mg/L	10/19/10	11:51	
62237-7	K	3225.56494	3221.25024	3229.87963	0.18917	ug/L	10/19/10	11:51	
62237-7	Mg	2952.11621	2950.43798	2953.79418	0.08038	ug/L	10/19/10	11:51	
62237-7	2Mg	2.93938	2.93772	2.94105	0.08013	mg/L	10/19/10	11:51	
62237-7	Mn	177.79551	177.63133	177.95970	0.13059	ug/L	10/19/10	11:51	
62237-7	Mo	0.71864	1.99087	-0.55358	250.36131	ug/L	10/19/10	11:51	
62237-7	Na	493.51113	430.39855	556.62371	18.08564	ug/L	10/19/10	11:51	
62237-7	Ni	18.79411	18.44287	19.14535	2.64300	ug/L	10/19/10	11:51	
62237-7	Pb	31.73803	29.97641	33.49965	7.84960	ug/L	10/19/10	11:51	
62237-7	Se	6.68331	6.65123	6.71539	0.67880	ug/L	10/19/10	11:51	
62237-7	Sb	1.68889	1.96808	1.40970	23.37810	ug/L	10/19/10	11:51	
62237-7	Sn	20.00468	16.67739	23.33197	23.52199	ug/L	10/19/10	11:51	
62237-7	Sr	17.33964	17.33460	17.34469	0.04113	ug/L	10/19/10	11:51	
62237-7	Ti	1097.09033	1096.11474	1098.06591	0.12575	ug/L	10/19/10	11:51	
62237-7	Tl	-4.48667	-4.13761	-4.83574	11.00250	ug/L	10/19/10	11:51	
62237-7	V	164.60200	164.30084	164.90316	0.25875	ug/L	10/19/10	11:51	
62237-7	Zn	63.31784	63.24811	63.38756	0.15573	ug/L	10/19/10	11:51	
62237-7	2203/1	39.99862	36.11349	43.88376	13.73650	ug/L	10/19/10	11:51	
62237-7	2203/2	27.61393	26.91247	28.31538	3.59243	ug/L	10/19/10	11:51	
62237-7	1960/1	15.19441	10.44786	19.94095	44.17829	ug/L	10/19/10	11:51	
62237-7	1960/2	2.43414	4.75576	0.11252	134.88394	ug/L	10/19/10	11:51	
62237-7	Y	973.24194	971.73895	974.74493	0.21839		10/19/10	11:51	
CCV	Ag	500.80392	501.88769	499.72015	0.30604	ug/L	10/19/10	11:57	
CCV	Al	5119.76855	5112.97802	5126.55957	0.18757	ug/L	10/19/10	11:57	
CCV	2Al	5.11985	5.11327	5.12643	0.18182	mg/L	10/19/10	11:57	
CCV	As	503.65447	505.34671	501.96221	0.47516	ug/L	10/19/10	11:57	
CCV	B	4997.62500	4997.93798	4997.31152	0.00886	ug/L	10/19/10	11:57	
CCV	Ba	5036.00292	5040.93652	5031.06933	0.13854	ug/L	10/19/10	11:57	
CCV	Be	500.83862	501.14074	500.53649	0.08531	ug/L	10/19/10	11:57	
CCV	Ca	4947.91992	4952.42675	4943.41259	0.12882	ug/L	10/19/10	11:57	
CCV	Cd	498.40466	499.99191	496.81744	0.45037	ug/L	10/19/10	11:57	
CCV	Co	504.95971	505.18728	504.73217	0.06372	ug/L	10/19/10	11:57	
CCV	Cr	5029.96386	5035.60644	5024.32128	0.15864	ug/L	10/19/10	11:57	
CCV	Cu	5030.44921	5034.59277	5026.30517	0.11649	ug/L	10/19/10	11:57	
CCV	Fe	5033.71582	5023.58496	5043.84667	0.28462	ug/L	10/19/10	11:57	
CCV	2Fe	5.03371	5.02358	5.04384	0.28456	mg/L	10/19/10	11:57	
CCV	K	10518.00488	10528.19824	10507.81152	0.13705	ug/L	10/19/10	11:57	
CCV	Mg	5123.34375	5122.99462	5123.69238	0.00963	ug/L	10/19/10	11:57	
CCV	2Mg	5.12332	5.12298	5.12367	0.00951	mg/L	10/19/10	11:57	
CCV	Mn	5055.44335	5060.16113	5050.72607	0.13196	ug/L	10/19/10	11:57	
CCV	Mo	495.63989	492.48043	498.79934	0.90148	ug/L	10/19/10	11:57	
CCV	Na	7566.47167	7632.63671	7500.30615	1.23666	ug/L	10/19/10	11:57	
CCV	Ni	2516.89941	2522.24707	2511.55200	0.30047	ug/L	10/19/10	11:57	
CCV	Pb	504.07690	502.39785	505.75598	0.47106	ug/L	10/19/10	11:57	
CCV	Se	4994.57421	5003.28173	4985.86669	0.24655	ug/L	10/19/10	11:57	
CCV	Sb	489.43041	493.77142	485.08938	1.25434	ug/L	10/19/10	11:57	
CCV	Sn	5035.95800	5043.49902	5028.41650	0.21177	ug/L	10/19/10	11:57	
CCV	Sr	2542.58886	2543.99951	2541.17822	0.07846	ug/L	10/19/10	11:57	
CCV	Ti	500.25097	500.80966	499.69229	0.15794	ug/L	10/19/10	11:57	
CCV	Tl	5004.16845	5021.65527	4986.68164	0.49418	ug/L	10/19/10	11:57	
CCV	V	5036.73876	5045.03613	5028.44140	0.23297	ug/L	10/19/10	11:57	
CCV	Zn	2518.09423	2522.51123	2513.67749	0.24806	ug/L	10/19/10	11:57	
CCV	2203/1	510.67193	512.95208	508.39178	0.63144	ug/L	10/19/10	11:57	
CCV	2203/2	500.78436	497.12863	504.44006	1.03237	ug/L	10/19/10	11:57	
CCV	1960/1	5052.96044	5058.70654	5047.21435	0.16082	ug/L	10/19/10	11:57	
CCV	1960/2	4965.42480	4975.61083	4955.23876	0.29011	ug/L	10/19/10	11:57	
CCV	Y	962.10894	963.96295	960.25494	0.27252		10/19/10	11:57	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	0.23910	1.43934	-0.96114	709.91174	ug/L	10/19/10	12:06	
CCB	Al	-0.65067	-6.35250	5.05115	1239.26477	ug/L	10/19/10	12:06	
CCB	2Al	-0.00065	-0.00635	0.00505	1239.23229	mg/L	10/19/10	12:06	
CCB	As	-1.83078	-1.42570	-2.23585	31.29032	ug/L	10/19/10	12:06	
CCB	B	1.86113	-0.35838	4.08065	168.65385	ug/L	10/19/10	12:06	
CCB	Ba	1.27245	1.32033	1.22457	5.32098	ug/L	10/19/10	12:06	
CCB	Be	0.10245	0.13456	0.07034	44.31981	ug/L	10/19/10	12:06	
CCB	Ca	3.25656	5.54839	0.96473	99.52617	ug/L	10/19/10	12:06	
CCB	Cd	-0.15130	-0.37452	0.07190	208.63215	ug/L	10/19/10	12:06	
CCB	Co	0.47679	0.20931	0.74426	79.33596	ug/L	10/19/10	12:06	
CCB	Cr	1.50977	1.24904	1.77051	24.42337	ug/L	10/19/10	12:06	
CCB	Cu	1.85326	0.99494	2.71158	65.49796	ug/L	10/19/10	12:06	
CCB	Fe	10.01850	21.99634	-1.95933	169.07937	ug/L	10/19/10	12:06	
CCB	2Fe	0.01001	0.02199	-0.00195	169.07472	mg/L	10/19/10	12:06	
CCB	K	9.43547	25.33653	-6.46558	238.32916	ug/L	10/19/10	12:06	
CCB	Mg	-4.19210	-8.92866	0.54444	159.78837	ug/L	10/19/10	12:06	
CCB	2Mg	-0.00419	-0.00892	0.00054	159.81449	mg/L	10/19/10	12:06	
CCB	Mn	1.12298	0.95382	1.29214	21.30314	ug/L	10/19/10	12:06	
CCB	Mo	-0.33626	-1.49151	0.81898	485.85650	ug/L	10/19/10	12:06	
CCB	Na	211.55137	211.64877	211.45397	0.06510	ug/L	10/19/10	12:06	
CCB	Ni	1.28573	1.16567	1.40578	13.20554	ug/L	10/19/10	12:06	
CCB	Pb	-0.81755	-0.77046	-0.86464	8.14557	ug/L	10/19/10	12:06	
CCB	Se	3.78191	4.78275	2.78107	37.42542	ug/L	10/19/10	12:06	
CCB	Sb	-0.87271	0.36777	-2.11319	201.01921	ug/L	10/19/10	12:06	
CCB	Sn	3.38190	4.14421	2.61960	31.87731	ug/L	10/19/10	12:06	
CCB	Sr	0.55681	0.46415	0.64947	23.53292	ug/L	10/19/10	12:06	
CCB	Ti	-0.01985	-0.48593	0.44621	3319.14477	ug/L	10/19/10	12:06	
CCB	Tl	-2.38544	-3.92345	-0.84742	91.18154	ug/L	10/19/10	12:06	
CCB	V	1.44169	2.41148	0.47191	95.12946	ug/L	10/19/10	12:06	
CCB	Zn	0.96320	0.93075	0.99565	4.76437	ug/L	10/19/10	12:06	
CCB	2203/1	-6.40928	0.01070	-12.82928	141.65766	ug/L	10/19/10	12:06	
CCB	2203/2	1.97411	-1.16047	5.10870	224.55517	ug/L	10/19/10	12:06	
CCB	1960/1	-0.45795	12.71456	-13.63046	4067.84228	ug/L	10/19/10	12:06	
CCB	1960/2	5.89867	0.82279	10.97454	121.69477	ug/L	10/19/10	12:06	
CCB	Y	956.71350	955.34997	958.07696	0.20155		10/19/10	12:06	
62237-8	Ag	2.03135	2.71953	1.34317	47.91038	ug/L	10/19/10	12:11	
62237-8	Al	44046.17187	43923.54296	44168.80468	0.39373	ug/L	10/19/10	12:11	
62237-8	2Al	44.04674	43.92257	44.17090	0.39866	mg/L	10/19/10	12:11	
62237-8	As	22.28297	26.83374	17.73221	28.88190	ug/L	10/19/10	12:11	
62237-8	B	15.69819	15.51988	15.87651	1.60640	ug/L	10/19/10	12:11	
62237-8	Ba	138.57554	138.37141	138.77967	0.20832	ug/L	10/19/10	12:11	
62237-8	Be	1.30410	1.33018	1.27801	2.82848	ug/L	10/19/10	12:11	
62237-8	Ca	796.89526	796.69476	797.09570	0.03557	ug/L	10/19/10	12:11	
62237-8	Cd	0.32349	0.09093	0.55605	101.66617	ug/L	10/19/10	12:11	
62237-8	Co	9.62669	9.38490	9.86849	3.55211	ug/L	10/19/10	12:11	
62237-8	Cr	179.67840	179.91305	179.44377	0.18468	ug/L	10/19/10	12:11	
62237-8	Cu	31.65141	31.51769	31.78512	0.59745	ug/L	10/19/10	12:11	
62237-8	Fe	72151.99218	72037.00000	72266.98437	0.22539	ug/L	10/19/10	12:11	
62237-8	2Fe	72.13962	72.02271	72.25653	0.22919	mg/L	10/19/10	12:11	
62237-8	K	3259.79736	3263.78393	3255.81079	0.17295	ug/L	10/19/10	12:11	
62237-8	Mg	3122.27661	3118.52563	3126.02758	0.16989	ug/L	10/19/10	12:11	
62237-8	2Mg	3.10879	3.10506	3.11252	0.16967	mg/L	10/19/10	12:11	
62237-8	Mn	189.85768	189.36845	190.34690	0.36441	ug/L	10/19/10	12:11	
62237-8	Mo	2.74767	2.06549	3.42984	35.11118	ug/L	10/19/10	12:11	
62237-8	Na	503.60089	637.05877	370.14300	37.47768	ug/L	10/19/10	12:11	
62237-8	Ni	20.74395	21.03581	20.45209	1.98971	ug/L	10/19/10	12:11	
62237-8	Pb	31.32885	31.64118	31.01653	1.40986	ug/L	10/19/10	12:11	
62237-8	Se	5.57473	9.93668	1.21278	110.65507	ug/L	10/19/10	12:11	
62237-8	Sb	5.22786	8.86347	1.59225	98.34852	ug/L	10/19/10	12:11	
62237-8	Sn	21.44815	23.56481	19.33150	13.95643	ug/L	10/19/10	12:11	
62237-8	Sr	20.58605	20.59478	20.57731	0.06001	ug/L	10/19/10	12:11	
62237-8	Ti	1221.73413	1217.72534	1225.74279	0.46402	ug/L	10/19/10	12:11	
62237-8	Tl	-4.00328	-6.91418	-1.09237	102.83165	ug/L	10/19/10	12:11	
62237-8	V	180.54925	181.07385	180.02467	0.41090	ug/L	10/19/10	12:11	
62237-8	Zn	70.40096	69.74862	71.05329	1.31041	ug/L	10/19/10	12:11	
62237-8	2203/1	46.83062	45.84074	47.82049	2.98927	ug/L	10/19/10	12:11	
62237-8	2203/2	23.58959	24.55204	22.62714	5.76995	ug/L	10/19/10	12:11	
62237-8	1960/1	7.42543	10.11725	4.73360	51.26728	ug/L	10/19/10	12:11	
62237-8	1960/2	4.65077	9.84653	-0.54498	157.99328	ug/L	10/19/10	12:11	
62237-8	Y	978.07495	979.73095	976.41894	0.23944		10/19/10	12:11	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62237-8L	Ag	-0.07420	0.86218	-1.01059	1784.57385	ug/L	10/19/10	12:16	
62237-8L	Al	8848.74218	8955.64355	8741.84082	1.70850	ug/L	10/19/10	12:16	
62237-8L	2Al	8.84871	8.95603	8.74139	1.71521	mg/L	10/19/10	12:16	
62237-8L	As	4.77896	9.70275	-0.14482	145.70707	ug/L	10/19/10	12:16	
62237-8L	B	2.18738	2.20228	2.17249	0.96273	ug/L	10/19/10	12:16	
62237-8L	Ba	27.60750	27.96426	27.25075	1.82747	ug/L	10/19/10	12:16	
62237-8L	Be	0.23790	0.25210	0.22370	8.44251	ug/L	10/19/10	12:16	
62237-8L	Ca	163.63432	166.45681	160.81182	2.43934	ug/L	10/19/10	12:16	
62237-8L	Cd	-0.31399	-0.46434	-0.16364	67.71513	ug/L	10/19/10	12:16	
62237-8L	Co	1.26083	1.90727	0.61440	72.50691	ug/L	10/19/10	12:16	
62237-8L	Cr	35.09304	36.03385	34.15224	3.79134	ug/L	10/19/10	12:16	
62237-8L	Cu	5.16071	5.40439	4.91702	6.67780	ug/L	10/19/10	12:16	
62237-8L	Fe	14377.08007	14572.97070	14181.18847	1.92689	ug/L	10/19/10	12:16	
62237-8L	2Fe	14.37460	14.57112	14.17808	1.93340	mg/L	10/19/10	12:16	
62237-8L	K	651.55529	655.21752	647.89306	0.79489	ug/L	10/19/10	12:16	
62237-8L	Mg	617.76171	626.26257	609.26092	1.94605	ug/L	10/19/10	12:16	
62237-8L	2Mg	0.61507	0.62354	0.60661	1.94610	mg/L	10/19/10	12:16	
62237-8L	Mn	37.66062	38.20115	37.12010	2.02975	ug/L	10/19/10	12:16	
62237-8L	Mo	0.44311	1.07775	-0.19151	202.54335	ug/L	10/19/10	12:16	
62237-8L	Na	188.35588	133.49841	243.21334	41.18808	ug/L	10/19/10	12:16	
62237-8L	Ni	4.42461	4.72473	4.12449	9.59257	ug/L	10/19/10	12:16	
62237-8L	Pb	9.03565	7.82114	10.25015	19.00883	ug/L	10/19/10	12:16	
62237-8L	Se	0.47523	-0.40407	1.35453	261.66662	ug/L	10/19/10	12:16	
62237-8L	Sb	-7.34068	-4.00805	-10.67331	64.20448	ug/L	10/19/10	12:16	
62237-8L	Sn	7.31233	7.15272	7.47195	3.08691	ug/L	10/19/10	12:16	
62237-8L	Sr	4.01139	4.07770	3.94507	2.33800	ug/L	10/19/10	12:16	
62237-8L	Ti	242.77856	246.18669	239.37045	1.98526	ug/L	10/19/10	12:16	
62237-8L	Tl	-4.93351	-5.48782	-4.37920	15.88959	ug/L	10/19/10	12:16	
62237-8L	V	35.57142	36.29622	34.84663	2.88157	ug/L	10/19/10	12:16	
62237-8L	Zn	14.77246	15.25501	14.28990	4.61966	ug/L	10/19/10	12:16	
62237-8L	2203/1	9.75836	7.07032	12.44640	38.95596	ug/L	10/19/10	12:16	
62237-8L	2203/2	8.67483	8.19599	9.15367	7.80634	ug/L	10/19/10	12:16	
62237-8L	1960/1	3.18544	2.86241	3.50848	14.34158	ug/L	10/19/10	12:16	
62237-8L	1960/2	-0.87784	-2.03486	0.27918	186.39773	ug/L	10/19/10	12:16	
62237-8L	Y	973.99792	975.32995	972.66595	0.19340		10/19/10	12:16	
62237-8A	Ag	43.27857	49.59864	36.95850	20.65207	ug/L	10/19/10	12:21	
62237-8A	Al	1962.91101	2163.54760	1762.27441	14.45521	ug/L	10/19/10	12:21	
62237-8A	2Al	1.96303	2.16368	1.76238	14.45521	mg/L	10/19/10	12:21	
62237-8A	As	1928.80297	2117.20043	1740.40539	13.81345	ug/L	10/19/10	12:21	
62237-8A	B	877.68725	960.60797	794.76647	13.36098	ug/L	10/19/10	12:21	
62237-8A	Ba	1958.25439	2152.64550	1763.86340	14.03854	ug/L	10/19/10	12:21	
62237-8A	Be	47.73360	52.57453	42.89266	14.34234	ug/L	10/19/10	12:21	
62237-8A	Ca	4343.30859	4768.85937	3917.75756	13.85625	ug/L	10/19/10	12:21	
62237-8A	Cd	49.07975	53.37136	44.78814	12.36611	ug/L	10/19/10	12:21	
62237-8A	Co	486.85632	534.43011	439.28253	13.81916	ug/L	10/19/10	12:21	
62237-8A	Cr	193.65391	213.81445	173.49337	14.72281	ug/L	10/19/10	12:21	
62237-8A	Cu	238.92175	262.94198	214.90153	14.21792	ug/L	10/19/10	12:21	
62237-8A	Fe	991.31396	1067.67700	914.95086	10.89399	ug/L	10/19/10	12:21	
62237-8A	2Fe	0.99139	1.06776	0.91501	10.89458	mg/L	10/19/10	12:21	
62237-8A	K	4600.21875	4967.46386	4232.97363	11.28996	ug/L	10/19/10	12:21	
62237-8A	Mg	4410.37792	4852.86035	3967.89599	14.18844	ug/L	10/19/10	12:21	
62237-8A	2Mg	4.40918	4.85154	3.96681	14.18857	mg/L	10/19/10	12:21	
62237-8A	Mn	487.28564	535.84399	438.72726	14.09274	ug/L	10/19/10	12:21	
62237-8A	Mo	430.25659	469.97439	390.53878	13.05487	ug/L	10/19/10	12:21	
62237-8A	Na	4794.98535	5184.14404	4405.82666	11.47768	ug/L	10/19/10	12:21	
62237-8A	Ni	483.07177	528.32672	437.81683	13.24858	ug/L	10/19/10	12:21	
62237-8A	Pb	512.52563	579.39611	445.65509	18.45160	ug/L	10/19/10	12:21	
62237-8A	Se	2074.49169	2338.37011	1810.61315	17.98900	ug/L	10/19/10	12:21	
62237-8A	Sb	470.31417	511.18933	429.43902	12.29097	ug/L	10/19/10	12:21	
62237-8A	Sn	876.82623	961.35229	792.30017	13.63302	ug/L	10/19/10	12:21	
62237-8A	Sr	447.17877	493.29580	401.06176	14.58461	ug/L	10/19/10	12:21	
62237-8A	Ti	861.17602	948.42919	773.92279	14.32862	ug/L	10/19/10	12:21	
62237-8A	Tl	2004.07519	2168.78076	1839.36950	11.62276	ug/L	10/19/10	12:21	
62237-8A	V	478.51593	524.81018	432.22167	13.68187	ug/L	10/19/10	12:21	
62237-8A	Zn	492.30651	540.51916	444.09390	13.84969	ug/L	10/19/10	12:21	
62237-8A	2203/1	478.50604	503.39428	453.61776	7.35566	ug/L	10/19/10	12:21	
62237-8A	2203/2	529.50988	617.34008	441.67971	23.45766	ug/L	10/19/10	12:21	
62237-8A	1960/1	1930.12036	2051.18090	1809.05993	8.87019	ug/L	10/19/10	12:21	
62237-8A	1960/2	2146.56860	2481.74902	1811.38806	22.08253	ug/L	10/19/10	12:21	
62237-8A	Y	963.34643	962.73895	963.95397	0.08918		10/19/10	12:21	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62190-1	Ag	1.80717	2.35020	1.26415	42.49491	ug/L	10/19/10	12:26	
62190-1	Al	61270.38671	61298.44921	61242.32421	0.06477	ug/L	10/19/10	12:26	
62190-1	2Al	61.27374	61.30190	61.24557	0.06500	mg/L	10/19/10	12:26	
62190-1	As	66.91207	66.64564	67.17849	0.56310	ug/L	10/19/10	12:26	
62190-1	B	28.41165	30.52602	26.29728	10.52444	ug/L	10/19/10	12:26	
62190-1	Ba	643.17071	643.68829	642.65313	0.11380	ug/L	10/19/10	12:26	
62190-1	Be	4.10191	4.16223	4.04160	2.07942	ug/L	10/19/10	12:26	
62190-1	Ca	29615.49609	29624.38085	29606.60937	0.04243	ug/L	10/19/10	12:26	
62190-1	Cd	3.36859	3.66773	3.06946	12.55836	ug/L	10/19/10	12:26	
62190-1	Co	62.87284	62.55417	63.19151	0.71679	ug/L	10/19/10	12:26	
62190-1	Cr	142.51269	142.89633	142.12905	0.38069	ug/L	10/19/10	12:26	
62190-1	Cu	900.02099	900.60882	899.43316	0.09236	ug/L	10/19/10	12:26	
62190-1	Fe	163320.09375	163259.51562	163380.67187	0.05245	ug/L	10/19/10	12:26	
62190-1	2Fe	163.29751	163.23757	163.35743	0.05190	mg/L	10/19/10	12:26	
62190-1	K	9253.04492	9273.61914	9232.46972	0.31445	ug/L	10/19/10	12:26	
62190-1	Mg	25205.78125	25206.81054	25204.75195	0.00577	ug/L	10/19/10	12:26	
62190-1	2Mg	25.17090	25.17194	25.16987	0.00583	mg/L	10/19/10	12:26	
62190-1	Mn	2098.50805	2098.18457	2098.83154	0.02180	ug/L	10/19/10	12:26	
62190-1	Mo	10.57414	12.57596	8.57231	26.77295	ug/L	10/19/10	12:26	
62190-1	Na	2718.77197	2958.53125	2479.01245	12.47147	ug/L	10/19/10	12:26	
62190-1	Ni	129.06985	129.61035	128.52937	0.59221	ug/L	10/19/10	12:26	
62190-1	Pb	1276.99609	1275.29492	1278.69738	0.18840	ug/L	10/19/10	12:26	
62190-1	Se	13.94076	17.01282	10.86871	31.16428	ug/L	10/19/10	12:26	
62190-1	Sb	41.02278	50.67615	31.36942	33.27887	ug/L	10/19/10	12:26	
62190-1	Sn	133.55671	137.62156	129.49186	4.30421	ug/L	10/19/10	12:26	
62190-1	Sr	321.64855	322.03424	321.26290	0.16956	ug/L	10/19/10	12:26	
62190-1	Ti	5551.91894	5551.99609	5551.84179	0.00196	ug/L	10/19/10	12:26	
62190-1	Tl	4.03083	9.83045	-1.76877	203.47869	ug/L	10/19/10	12:26	
62190-1	V	218.38656	220.41389	216.35923	1.31284	ug/L	10/19/10	12:26	
62190-1	Zn	1121.98974	1121.18151	1122.79809	0.10188	ug/L	10/19/10	12:26	
62190-1	2203/1	1284.56933	1290.49926	1278.63940	0.65284	ug/L	10/19/10	12:26	
62190-1	2203/2	1273.21520	1267.70410	1278.72631	0.61214	ug/L	10/19/10	12:26	
62190-1	1960/1	19.06016	15.58488	22.53544	25.78565	ug/L	10/19/10	12:26	
62190-1	1960/2	11.38490	17.72571	5.04409	78.76451	ug/L	10/19/10	12:26	
62190-1	Y	985.91845	983.11492	988.72198	0.40214		10/19/10	12:26	
62190-1S	Ag	45.99180	45.06149	46.92211	2.86063	ug/L	10/19/10	12:32	
62190-1S	Al	75117.78125	75167.33593	75068.21875	0.09330	ug/L	10/19/10	12:32	
62190-1S	2Al	75.12122	75.17211	75.07033	0.09580	mg/L	10/19/10	12:32	
62190-1S	As	2098.09033	2100.82861	2095.35229	0.18456	ug/L	10/19/10	12:32	
62190-1S	B	1000.70916	999.12652	1002.29180	0.22366	ug/L	10/19/10	12:32	
62190-1S	Ba	2917.08105	2921.46923	2912.69262	0.21274	ug/L	10/19/10	12:32	
62190-1S	Be	55.26419	55.28757	55.24081	0.05983	ug/L	10/19/10	12:32	
62190-1S	Ca	39686.24218	39698.76171	39673.72656	0.04460	ug/L	10/19/10	12:32	
62190-1S	Cd	53.69682	53.34674	54.04689	0.92198	ug/L	10/19/10	12:32	
62190-1S	Co	590.12829	589.90148	590.35510	0.05435	ug/L	10/19/10	12:32	
62190-1S	Cr	397.86090	398.33978	397.38201	0.17022	ug/L	10/19/10	12:32	
62190-1S	Cu	1210.23950	1212.53039	1207.94860	0.26770	ug/L	10/19/10	12:32	
62190-1S	Fe	197756.53125	197812.95312	197700.12500	0.04034	ug/L	10/19/10	12:32	
62190-1S	2Fe	197.72846	197.78811	197.66882	0.04266	mg/L	10/19/10	12:32	
62190-1S	K	15257.35839	15243.20117	15271.51562	0.13122	ug/L	10/19/10	12:32	
62190-1S	Mg	31588.27343	31576.13476	31600.41210	0.05434	ug/L	10/19/10	12:32	
62190-1S	2Mg	31.54595	31.53381	31.55810	0.05444	mg/L	10/19/10	12:32	
62190-1S	Mn	2997.60913	2999.65063	2995.56762	0.09631	ug/L	10/19/10	12:32	
62190-1S	Mo	502.89050	502.29238	503.48864	0.16820	ug/L	10/19/10	12:32	
62190-1S	Na	8370.38867	8341.45117	8399.32519	0.48890	ug/L	10/19/10	12:32	
62190-1S	Ni	651.15325	648.64276	653.66375	0.54524	ug/L	10/19/10	12:32	
62190-1S	Pb	2332.59008	2330.64355	2334.53662	0.11801	ug/L	10/19/10	12:32	
62190-1S	Se	2042.96118	2044.49462	2041.42761	0.10615	ug/L	10/19/10	12:32	
62190-1S	Sb	509.17962	504.82904	513.53021	1.20834	ug/L	10/19/10	12:32	
62190-1S	Sn	1107.29150	1106.74523	1107.83764	0.06976	ug/L	10/19/10	12:32	
62190-1S	Sr	923.11676	925.55566	920.67785	0.37363	ug/L	10/19/10	12:32	
62190-1S	Ti	6813.08496	6819.26708	6806.90332	0.12831	ug/L	10/19/10	12:32	
62190-1S	Tl	2028.90771	2028.62512	2029.19030	0.01969	ug/L	10/19/10	12:32	
62190-1S	V	732.91638	733.70104	732.13171	0.15140	ug/L	10/19/10	12:32	
62190-1S	Zn	1856.16210	1855.33447	1856.98986	0.06306	ug/L	10/19/10	12:32	
62190-1S	2203/1	2330.09716	2324.30029	2335.89379	0.35182	ug/L	10/19/10	12:32	
62190-1S	2203/2	2333.83496	2333.81054	2333.85913	0.00147	ug/L	10/19/10	12:32	
62190-1S	1960/1	2066.19580	2056.47851	2075.91284	0.66509	ug/L	10/19/10	12:32	
62190-1S	1960/2	2031.36120	2038.51159	2024.21081	0.49780	ug/L	10/19/10	12:32	
62190-1S	Y	974.75848	970.82098	978.69598	0.57126		10/19/10	12:32	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62190-1SD	Ag	45.06422	45.21902	44.90942	0.48578	ug/L	10/19/10	12:37	
62190-1SD	Al	73265.79687	73152.57031	73379.02343	0.21855	ug/L	10/19/10	12:37	
62190-1SD	2Al	73.26840	73.15394	73.38286	0.22092	mg/L	10/19/10	12:37	
62190-1SD	As	2041.86633	2049.74511	2033.98754	0.54569	ug/L	10/19/10	12:37	
62190-1SD	B	975.00439	975.69708	974.31164	0.10047	ug/L	10/19/10	12:37	
62190-1SD	Ba	2674.41015	2673.48022	2675.33984	0.04916	ug/L	10/19/10	12:37	
62190-1SD	Be	53.65327	53.74858	53.55797	0.25120	ug/L	10/19/10	12:37	
62190-1SD	Ca	36453.46875	36447.78515	36459.14843	0.02204	ug/L	10/19/10	12:37	
62190-1SD	Cd	52.86512	53.00260	52.72764	0.36776	ug/L	10/19/10	12:37	
62190-1SD	Co	566.48718	565.55718	567.41723	0.23217	ug/L	10/19/10	12:37	
62190-1SD	Cr	382.65573	383.07754	382.23391	0.15589	ug/L	10/19/10	12:37	
62190-1SD	Cu	1206.47717	1205.86425	1207.09008	0.07184	ug/L	10/19/10	12:37	
62190-1SD	Fe	232112.96875	232320.07812	231905.87500	0.12618	ug/L	10/19/10	12:37	
62190-1SD	2Fe	232.07733	232.28053	231.87411	0.12382	mg/L	10/19/10	12:37	
62190-1SD	K	13861.78125	13836.43066	13887.13085	0.25862	ug/L	10/19/10	12:37	
62190-1SD	Mg	34166.38281	34204.95312	34127.81250	0.15965	ug/L	10/19/10	12:37	
62190-1SD	2Mg	34.11733	34.15586	34.07880	0.15969	mg/L	10/19/10	12:37	
62190-1SD	Mn	3079.16381	3081.24438	3077.08325	0.09555	ug/L	10/19/10	12:37	
62190-1SD	Mo	484.07885	487.54388	480.61380	1.01229	ug/L	10/19/10	12:37	
62190-1SD	Na	7424.70117	7595.76855	7253.63378	3.25839	ug/L	10/19/10	12:37	
62190-1SD	Ni	645.58972	646.89953	644.27990	0.28692	ug/L	10/19/10	12:37	
62190-1SD	Pb	1984.46423	1980.75488	1988.17358	0.26434	ug/L	10/19/10	12:37	
62190-1SD	Se	1994.69152	1986.10388	2003.27917	0.60885	ug/L	10/19/10	12:37	
62190-1SD	Sb	505.87402	508.39114	503.35690	0.70368	ug/L	10/19/10	12:37	
62190-1SD	Sn	1085.58886	1086.25170	1084.92614	0.08634	ug/L	10/19/10	12:37	
62190-1SD	Sr	782.05438	781.32989	782.77886	0.13101	ug/L	10/19/10	12:37	
62190-1SD	Ti	6922.69921	6924.42041	6920.97851	0.03515	ug/L	10/19/10	12:37	
62190-1SD	Tl	1985.24755	1989.28808	1981.20715	0.28782	ug/L	10/19/10	12:37	
62190-1SD	V	732.61328	733.52203	731.70452	0.17542	ug/L	10/19/10	12:37	
62190-1SD	Zn	1907.68823	1910.71191	1904.66467	0.22414	ug/L	10/19/10	12:37	
62190-1SD	2203/1	1992.40576	1992.58117	1992.23034	0.01245	ug/L	10/19/10	12:37	
62190-1SD	2203/2	1980.49938	1974.85058	1986.14819	0.40336	ug/L	10/19/10	12:37	
62190-1SD	1960/1	2006.74914	2002.80566	2010.69262	0.27790	ug/L	10/19/10	12:37	
62190-1SD	1960/2	1988.67175	1977.76550	1999.57800	0.77558	ug/L	10/19/10	12:37	
62190-1SD	Y	980.50500	981.70196	979.30798	0.17264		10/19/10	12:37	
CCV	Ag	502.98327	502.86511	503.10147	0.03322	ug/L	10/19/10	12:42	
CCV	Al	5171.71777	5165.25927	5178.17675	0.17661	ug/L	10/19/10	12:42	
CCV	2Al	5.17191	5.16534	5.17847	0.17949	mg/L	10/19/10	12:42	
CCV	As	505.00360	500.99066	509.01654	1.12378	ug/L	10/19/10	12:42	
CCV	B	5003.42675	4989.79345	5017.05957	0.38533	ug/L	10/19/10	12:42	
CCV	Ba	5069.65283	5073.14355	5066.16210	0.09737	ug/L	10/19/10	12:42	
CCV	Be	500.12780	499.54348	500.71215	0.16523	ug/L	10/19/10	12:42	
CCV	Ca	4948.88037	4948.48632	4949.27441	0.01126	ug/L	10/19/10	12:42	
CCV	Cd	499.15576	500.06930	498.24218	0.25883	ug/L	10/19/10	12:42	
CCV	Co	505.92285	503.84744	507.99829	0.58014	ug/L	10/19/10	12:42	
CCV	Cr	5029.83007	5026.94824	5032.71142	0.08102	ug/L	10/19/10	12:42	
CCV	Cu	5051.26269	5053.14257	5049.38281	0.05263	ug/L	10/19/10	12:42	
CCV	Fe	5037.53125	5008.88427	5066.17822	0.80422	ug/L	10/19/10	12:42	
CCV	2Fe	5.03753	5.00888	5.06617	0.80414	mg/L	10/19/10	12:42	
CCV	K	10731.07128	10746.05566	10716.08691	0.19747	ug/L	10/19/10	12:42	
CCV	Mg	5102.68847	5093.79345	5111.58349	0.24652	ug/L	10/19/10	12:42	
CCV	2Mg	5.10267	5.09378	5.11156	0.24634	mg/L	10/19/10	12:42	
CCV	Mn	5053.50976	5051.36865	5055.65087	0.05991	ug/L	10/19/10	12:42	
CCV	Mo	497.76156	496.14505	499.37808	0.45927	ug/L	10/19/10	12:42	
CCV	Na	7879.40332	7885.29101	7873.51562	0.10567	ug/L	10/19/10	12:42	
CCV	Ni	2514.69067	2516.42944	2512.95190	0.09778	ug/L	10/19/10	12:42	
CCV	Pb	506.98684	506.85455	507.11914	0.03690	ug/L	10/19/10	12:42	
CCV	Se	5012.22460	5025.92431	4998.52441	0.38654	ug/L	10/19/10	12:42	
CCV	Sb	489.11975	493.54138	484.69812	1.27844	ug/L	10/19/10	12:42	
CCV	Sn	5021.09082	5012.31347	5029.86767	0.24721	ug/L	10/19/10	12:42	
CCV	Sr	2586.65478	2588.96020	2584.34912	0.12605	ug/L	10/19/10	12:42	
CCV	Ti	505.65686	505.60650	505.70718	0.01407	ug/L	10/19/10	12:42	
CCV	Tl	5031.48974	5023.39111	5039.58837	0.22763	ug/L	10/19/10	12:42	
CCV	V	5027.87646	5027.45458	5028.29833	0.01186	ug/L	10/19/10	12:42	
CCV	Zn	2507.75537	2504.36279	2511.14794	0.19131	ug/L	10/19/10	12:42	
CCV	2203/1	504.81146	510.84518	498.77777	1.69032	ug/L	10/19/10	12:42	
CCV	2203/2	508.07290	504.86224	511.28356	0.89368	ug/L	10/19/10	12:42	
CCV	1960/1	5049.76074	5058.16552	5041.35595	0.23538	ug/L	10/19/10	12:42	
CCV	1960/2	4993.48437	5009.82763	4977.14062	0.46286	ug/L	10/19/10	12:42	
CCV	Y	956.48394	955.77294	957.19494	0.10512		10/19/10	12:42	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.81708	0.57732	-2.21148	241.34451	ug/L	10/19/10	12:47	
CCB	Al	-2.20441	-7.33251	2.92368	328.98681	ug/L	10/19/10	12:47	
CCB	2Al	-0.00220	-0.00733	0.00292	328.98757	mg/L	10/19/10	12:47	
CCB	As	0.44804	1.65178	-0.75570	379.95379	ug/L	10/19/10	12:47	
CCB	B	7.00381	9.29196	4.71567	46.20232	ug/L	10/19/10	12:47	
CCB	Ba	1.14018	0.82597	1.45438	38.97267	ug/L	10/19/10	12:47	
CCB	Be	0.01998	0.04068	-0.00072	146.54040	ug/L	10/19/10	12:47	
CCB	Ca	2.93965	2.41392	3.46538	25.29188	ug/L	10/19/10	12:47	
CCB	Cd	-0.30276	0.09985	-0.70538	188.06303	ug/L	10/19/10	12:47	
CCB	Co	-0.27135	-0.51983	-0.02286	129.50492	ug/L	10/19/10	12:47	
CCB	Cr	0.12698	-1.00862	1.26259	1264.68249	ug/L	10/19/10	12:47	
CCB	Cu	0.22557	0.19201	0.25913	21.03750	ug/L	10/19/10	12:47	
CCB	Fe	7.33772	24.71573	-10.04027	334.92941	ug/L	10/19/10	12:47	
CCB	2Fe	0.00733	0.02471	-0.01003	334.93035	mg/L	10/19/10	12:47	
CCB	K	-0.23278	25.37418	-25.83975	15556.52050	ug/L	10/19/10	12:47	
CCB	Mg	-7.36245	-5.77011	-8.95480	30.58652	ug/L	10/19/10	12:47	
CCB	2Mg	-0.00736	-0.00577	-0.00894	30.51742	mg/L	10/19/10	12:47	
CCB	Mn	0.90179	0.13392	1.66966	120.41906	ug/L	10/19/10	12:47	
CCB	Mo	0.82291	1.19172	0.45410	63.38180	ug/L	10/19/10	12:47	
CCB	Na	20.84437	258.44412	-216.75537	1612.02612	ug/L	10/19/10	12:47	
CCB	Ni	-0.02736	1.43371	-1.48844	7550.52392	ug/L	10/19/10	12:47	
CCB	Pb	-1.11482	-4.62139	2.39175	444.82867	ug/L	10/19/10	12:47	
CCB	Se	0.19736	5.04031	-4.64558	3470.18310	ug/L	10/19/10	12:47	
CCB	Sb	-5.03254	5.92909	-15.99417	308.03698	ug/L	10/19/10	12:47	
CCB	Sn	1.07967	5.40202	-3.24267	566.16278	ug/L	10/19/10	12:47	
CCB	Sr	0.41893	0.06477	0.77309	119.55539	ug/L	10/19/10	12:47	
CCB	Ti	0.43650	0.18070	0.69230	82.87447	ug/L	10/19/10	12:47	
CCB	Tl	-0.28185	4.90711	-5.47083	2603.56298	ug/L	10/19/10	12:47	
CCB	V	0.93357	2.27636	-0.40921	203.41139	ug/L	10/19/10	12:47	
CCB	Zn	0.86710	0.72347	1.01073	23.42558	ug/L	10/19/10	12:47	
CCB	2203/1	-3.65234	0.84775	-8.15244	174.24708	ug/L	10/19/10	12:47	
CCB	2203/2	0.15203	-7.35187	7.65594	6979.99365	ug/L	10/19/10	12:47	
CCB	1960/1	2.70109	7.67411	-2.27193	260.37319	ug/L	10/19/10	12:47	
CCB	1960/2	-1.05262	3.72538	-5.83062	641.93353	ug/L	10/19/10	12:47	
CCB	Y	951.20544	954.81896	947.59197	0.53723		10/19/10	12:47	
61963-36 1/100	Ag	0.76928	0.83291	0.70566	11.69635	ug/L	10/19/10	12:52	
61963-36 1/100	Al	3.59538	5.60140	1.58935	78.90531	ug/L	10/19/10	12:52	
61963-36 1/100	2Al	0.00359	0.00560	0.00158	78.90542	mg/L	10/19/10	12:52	
61963-36 1/100	As	-0.98349	-6.67419	4.70720	818.29205	ug/L	10/19/10	12:52	
61963-36 1/100	B	26.75425	28.87659	24.63191	11.21855	ug/L	10/19/10	12:52	
61963-36 1/100	Ba	0.95429	0.39471	1.51387	82.92651	ug/L	10/19/10	12:52	
61963-36 1/100	Be	0.03717	0.00818	0.06615	110.26114	ug/L	10/19/10	12:52	
61963-36 1/100	Ca	2604.89404	2938.78369	2271.00463	18.12707	ug/L	10/19/10	12:52	
61963-36 1/100	Cd	0.15936	-0.12396	0.44268	251.42716	ug/L	10/19/10	12:52	
61963-36 1/100	Co	0.13986	-0.22614	0.50588	370.07907	ug/L	10/19/10	12:52	
61963-36 1/100	Cr	-0.24016	-1.20775	0.72743	569.77484	ug/L	10/19/10	12:52	
61963-36 1/100	Cu	0.04971	-0.59236	0.69179	1826.40649	ug/L	10/19/10	12:52	
61963-36 1/100	Fe	22.06514	14.07460	30.05567	51.21346	ug/L	10/19/10	12:52	
61963-36 1/100	2Fe	0.02206	0.01407	0.03005	51.21464	mg/L	10/19/10	12:52	
61963-36 1/100	K	2461.45703	2796.68505	2126.22900	19.26029	ug/L	10/19/10	12:52	
61963-36 1/100	Mg	6810.64941	7670.97949	5950.31884	17.86453	ug/L	10/19/10	12:52	
61963-36 1/100	2Mg	6.80872	7.66881	5.94863	17.86456	mg/L	10/19/10	12:52	
61963-36 1/100	Mn	0.79918	0.25457	1.34379	96.37332	ug/L	10/19/10	12:52	
61963-36 1/100	Mo	-2.01401	-0.66577	-3.36225	94.67171	ug/L	10/19/10	12:52	
61963-36 1/100	Na	65851.60937	73431.20312	58272.01562	16.27775	ug/L	10/19/10	12:52	
61963-36 1/100	Ni	1.44341	0.92286	1.96396	51.00207	ug/L	10/19/10	12:52	
61963-36 1/100	Pb	-1.81324	-1.63158	-1.99489	14.16764	ug/L	10/19/10	12:52	
61963-36 1/100	Se	2.72637	-0.03956	5.49230	143.47351	ug/L	10/19/10	12:52	
61963-36 1/100	Sb	0.34029	2.03000	-1.34941	702.21276	ug/L	10/19/10	12:52	
61963-36 1/100	Sn	2.54672	0.22787	4.86556	128.76708	ug/L	10/19/10	12:52	
61963-36 1/100	Sr	50.53159	56.70613	44.35704	17.28052	ug/L	10/19/10	12:52	
61963-36 1/100	Ti	0.26913	0.07057	0.46769	104.33746	ug/L	10/19/10	12:52	
61963-36 1/100	Tl	-2.55811	-4.08097	-1.03526	84.18861	ug/L	10/19/10	12:52	
61963-36 1/100	V	-0.20015	-1.00946	0.60915	571.82897	ug/L	10/19/10	12:52	
61963-36 1/100	Zn	0.80075	0.32004	1.28146	84.89807	ug/L	10/19/10	12:52	
61963-36 1/100	2203/1	5.34845	9.66619	1.03071	114.16757	ug/L	10/19/10	12:52	
61963-36 1/100	2203/2	-5.38872	-7.27201	-3.50542	49.42502	ug/L	10/19/10	12:52	
61963-36 1/100	1960/1	13.19874	10.75232	15.64517	26.21282	ug/L	10/19/10	12:52	
61963-36 1/100	1960/2	-2.50201	-5.42741	0.42338	165.35232	ug/L	10/19/10	12:52	
61963-36 1/100	Y	948.13647	946.65594	949.61694	0.22082		10/19/10	12:52	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61963-43 1/100	Ag	0.49161	0.39897	0.58425	26.64844	ug/L	10/19/10	12:58	
61963-43 1/100	Al	-5.80715	-10.22628	-1.38802	107.61877	ug/L	10/19/10	12:58	
61963-43 1/100	2Al	-0.00580	-0.01022	-0.00138	107.61895	mg/L	10/19/10	12:58	
61963-43 1/100	As	-0.73426	-1.93582	0.46729	231.42236	ug/L	10/19/10	12:58	
61963-43 1/100	B	17.23958	20.08163	14.39753	23.31416	ug/L	10/19/10	12:58	
61963-43 1/100	Ba	0.30098	0.05122	0.55074	117.35484	ug/L	10/19/10	12:58	
61963-43 1/100	Be	-0.05391	-0.08753	-0.02029	88.18000	ug/L	10/19/10	12:58	
61963-43 1/100	Ca	2156.14721	2333.56274	1978.73168	11.63665	ug/L	10/19/10	12:58	
61963-43 1/100	Cd	-0.39214	-0.75138	-0.03290	129.55587	ug/L	10/19/10	12:58	
61963-43 1/100	Co	-0.71227	-0.99627	-0.42828	56.38605	ug/L	10/19/10	12:58	
61963-43 1/100	Cr	0.24683	0.00472	0.48894	138.71343	ug/L	10/19/10	12:58	
61963-43 1/100	Cu	-0.33562	-1.21122	0.53997	368.94995	ug/L	10/19/10	12:58	
61963-43 1/100	Fe	-20.77891	-34.22089	-7.33692	91.48621	ug/L	10/19/10	12:58	
61963-43 1/100	2Fe	-0.02077	-0.03421	-0.00733	91.48611	mg/L	10/19/10	12:58	
61963-43 1/100	K	1598.41308	1702.77258	1494.05346	9.23332	ug/L	10/19/10	12:58	
61963-43 1/100	Mg	4757.56054	5155.50000	4359.62158	11.82898	ug/L	10/19/10	12:58	
61963-43 1/100	2Mg	4.75622	5.15405	4.35839	11.82903	mg/L	10/19/10	12:58	
61963-43 1/100	Mn	-0.04323	-0.13599	0.04952	303.39450	ug/L	10/19/10	12:58	
61963-43 1/100	Mo	0.17590	1.57774	-1.22592	1127.01782	ug/L	10/19/10	12:58	
61963-43 1/100	Na	41827.37109	46417.16015	37237.58203	15.51840	ug/L	10/19/10	12:58	
61963-43 1/100	Ni	-1.10961	-2.27106	0.05184	148.02912	ug/L	10/19/10	12:58	
61963-43 1/100	Pb	-1.83286	-2.31400	-1.35172	37.12400	ug/L	10/19/10	12:58	
61963-43 1/100	Se	1.54139	-1.17042	4.25322	248.80671	ug/L	10/19/10	12:58	
61963-43 1/100	Sb	-4.93142	-6.53559	-3.32726	46.00357	ug/L	10/19/10	12:58	
61963-43 1/100	Sn	1.50255	0.81489	2.19020	64.72267	ug/L	10/19/10	12:58	
61963-43 1/100	Sr	49.57438	53.72978	45.41897	11.85416	ug/L	10/19/10	12:58	
61963-43 1/100	Ti	-0.42055	-0.39270	-0.44839	9.36350	ug/L	10/19/10	12:58	
61963-43 1/100	Tl	-2.17883	-0.49455	-3.86310	109.32117	ug/L	10/19/10	12:58	
61963-43 1/100	V	-1.03079	-2.15198	0.09039	153.82299	ug/L	10/19/10	12:58	
61963-43 1/100	Zn	0.49484	0.11632	0.87337	108.17787	ug/L	10/19/10	12:58	
61963-43 1/100	2203/1	0.19208	0.77065	-0.38648	425.96890	ug/L	10/19/10	12:58	
61963-43 1/100	2203/2	-2.84382	-3.85402	-1.83362	50.23651	ug/L	10/19/10	12:58	
61963-43 1/100	1960/1	9.99399	12.97761	7.01037	42.22010	ug/L	10/19/10	12:58	
61963-43 1/100	1960/2	-2.67856	-8.23384	2.87671	293.30474	ug/L	10/19/10	12:58	
61963-43 1/100	Y	945.68395	944.73895	946.62896	0.14132		10/19/10	12:58	
62048-1 1/100	Ag	0.18082	0.21174	0.14990	24.17851	ug/L	10/19/10	13:03	
62048-1 1/100	Al	17.54027	16.70515	18.37539	6.73329	ug/L	10/19/10	13:03	
62048-1 1/100	2Al	0.01754	0.01670	0.01837	6.73335	mg/L	10/19/10	13:03	
62048-1 1/100	As	2.62390	3.12354	2.12427	26.92905	ug/L	10/19/10	13:03	
62048-1 1/100	B	7.33408	5.93054	8.73763	27.06421	ug/L	10/19/10	13:03	
62048-1 1/100	Ba	3.40370	3.67542	3.13197	11.28994	ug/L	10/19/10	13:03	
62048-1 1/100	Be	-0.05433	-0.03031	-0.07836	62.52861	ug/L	10/19/10	13:03	
62048-1 1/100	Ca	145.36325	153.25256	137.47392	7.67538	ug/L	10/19/10	13:03	
62048-1 1/100	Cd	0.16708	0.15942	0.17474	6.47994	ug/L	10/19/10	13:03	
62048-1 1/100	Co	-0.08811	0.08097	-0.25720	271.37896	ug/L	10/19/10	13:03	
62048-1 1/100	Cr	-0.52859	-0.43129	-0.62588	26.03017	ug/L	10/19/10	13:03	
62048-1 1/100	Cu	0.37446	0.36949	0.37942	1.87488	ug/L	10/19/10	13:03	
62048-1 1/100	Fe	29.57868	31.58013	27.57722	9.56934	ug/L	10/19/10	13:03	
62048-1 1/100	2Fe	0.02957	0.03157	0.02757	9.56988	mg/L	10/19/10	13:03	
62048-1 1/100	K	5251.91601	5514.04003	4989.79150	7.05837	ug/L	10/19/10	13:03	
62048-1 1/100	Mg	83.95549	87.11419	80.79677	5.32078	ug/L	10/19/10	13:03	
62048-1 1/100	2Mg	0.08393	0.08709	0.08077	5.32087	mg/L	10/19/10	13:03	
62048-1 1/100	Mn	20.51658	21.74116	19.29200	8.44107	ug/L	10/19/10	13:03	
62048-1 1/100	Mo	0.78232	1.01573	0.54891	42.19350	ug/L	10/19/10	13:03	
62048-1 1/100	Na	108887.95312	116463.51562	101312.39062	9.83897	ug/L	10/19/10	13:03	
62048-1 1/100	Ni	-0.65264	-0.55183	-0.75345	21.84435	ug/L	10/19/10	13:03	
62048-1 1/100	Pb	-2.79808	-2.76946	-2.82669	1.44621	ug/L	10/19/10	13:03	
62048-1 1/100	Se	-0.02405	-2.34629	2.29817	13649.99511	ug/L	10/19/10	13:03	
62048-1 1/100	Sb	-4.08508	-4.87803	-3.29214	27.45097	ug/L	10/19/10	13:03	
62048-1 1/100	Sn	-3.10175	-2.14066	-4.06284	43.81985	ug/L	10/19/10	13:03	
62048-1 1/100	Sr	0.94039	0.99749	0.88329	8.58768	ug/L	10/19/10	13:03	
62048-1 1/100	Ti	-0.20793	-0.16728	-0.24859	27.65102	ug/L	10/19/10	13:03	
62048-1 1/100	Tl	-4.44082	-0.30030	-8.58135	131.85795	ug/L	10/19/10	13:03	
62048-1 1/100	V	2.43375	3.15883	1.70866	42.13343	ug/L	10/19/10	13:03	
62048-1 1/100	Zn	2.90907	3.07980	2.73834	8.29977	ug/L	10/19/10	13:03	
62048-1 1/100	2203/1	2.79713	3.74829	1.84596	48.09028	ug/L	10/19/10	13:03	
62048-1 1/100	2203/2	-5.59149	-6.02346	-5.15952	10.92545	ug/L	10/19/10	13:03	
62048-1 1/100	1960/1	5.63054	-1.89190	13.15299	188.93983	ug/L	10/19/10	13:03	
62048-1 1/100	1960/2	-2.84712	-2.57315	-3.12109	13.60843	ug/L	10/19/10	13:03	
62048-1 1/100	Y	944.96844	945.49493	944.44195	0.07879		10/19/10	13:03	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
61970-16 1/10	Ag	-0.77617	0.32883	-1.88118	201.33621	ug/L	10/19/10	13:08	
61970-16 1/10	Al	434.58502	435.29229	433.87771	0.23016	ug/L	10/19/10	13:08	
61970-16 1/10	2Al	0.43461	0.43532	0.43390	0.23015	mg/L	10/19/10	13:08	
61970-16 1/10	As	9.36290	8.25364	10.47216	16.75471	ug/L	10/19/10	13:08	
61970-16 1/10	B	17.56129	18.33633	16.78625	6.24139	ug/L	10/19/10	13:08	
61970-16 1/10	Ba	14.57604	14.89747	14.25461	3.11857	ug/L	10/19/10	13:08	
61970-16 1/10	Be	-0.03684	0.03309	-0.10678	268.44064	ug/L	10/19/10	13:08	
61970-16 1/10	Ca	8113.84765	8163.04833	8064.64648	0.85755	ug/L	10/19/10	13:08	
61970-16 1/10	Cd	1.79773	2.30597	1.28950	39.98097	ug/L	10/19/10	13:08	
61970-16 1/10	Co	29.25081	30.12746	28.37416	4.23842	ug/L	10/19/10	13:08	
61970-16 1/10	Cr	23.78960	23.84718	23.73202	0.34227	ug/L	10/19/10	13:08	
61970-16 1/10	Cu	7.43638	8.22472	6.64803	14.99238	ug/L	10/19/10	13:08	
61970-16 1/10	Fe	4625.36669	4666.16015	4584.57324	1.24726	ug/L	10/19/10	13:08	
61970-16 1/10	2Fe	4.62478	4.66557	4.58400	1.24727	mg/L	10/19/10	13:08	
61970-16 1/10	K	94.06806	117.01349	71.12265	34.49600	ug/L	10/19/10	13:08	
61970-16 1/10	Mg	125.99054	127.62475	124.35633	1.83435	ug/L	10/19/10	13:08	
61970-16 1/10	2Mg	0.12514	0.12677	0.12351	1.83809	mg/L	10/19/10	13:08	
61970-16 1/10	Mn	9.14469	9.11133	9.17805	0.51587	ug/L	10/19/10	13:08	
61970-16 1/10	Mo	2.20196	3.12476	1.27917	59.26665	ug/L	10/19/10	13:08	
61970-16 1/10	Na	250.09812	264.84445	235.35180	8.33850	ug/L	10/19/10	13:08	
61970-16 1/10	Ni	0.98095	2.17840	-0.21649	172.63267	ug/L	10/19/10	13:08	
61970-16 1/10	Pb	10663.72070	10789.71289	10537.72753	1.67090	ug/L	10/19/10	13:08	
61970-16 1/10	Se	-6.57599	-2.81543	-10.33655	80.87344	ug/L	10/19/10	13:08	
61970-16 1/10	Sb	3.81105	3.25506	4.36704	20.63185	ug/L	10/19/10	13:08	
61970-16 1/10	Sn	7.66701	13.12840	2.20562	100.73765	ug/L	10/19/10	13:08	
61970-16 1/10	Sr	5.67096	5.77071	5.57122	2.48732	ug/L	10/19/10	13:08	
61970-16 1/10	Ti	38.92707	39.30118	38.55297	1.35911	ug/L	10/19/10	13:08	
61970-16 1/10	Tl	-7.14632	1.44603	-15.73868	170.03746	ug/L	10/19/10	13:08	
61970-16 1/10	V	0.60064	2.31845	-1.11716	404.45800	ug/L	10/19/10	13:08	
61970-16 1/10	Zn	9296.07714	9357.25683	9234.89746	0.93072	ug/L	10/19/10	13:08	
61970-16 1/10	2203/1	10454.10351	10545.48535	10362.72167	1.23619	ug/L	10/19/10	13:08	
61970-16 1/10	2203/2	10768.37109	10911.64355	10625.09960	1.88159	ug/L	10/19/10	13:08	
61970-16 1/10	1960/1	-19.23477	-13.32792	-25.14163	43.42942	ug/L	10/19/10	13:08	
61970-16 1/10	1960/2	-0.25609	2.43292	-2.94511	1484.94641	ug/L	10/19/10	13:08	
61970-16 1/10	Y	958.51794	958.14898	958.88696	0.05444		10/19/10	13:08	
PBS 183043	Ag	0.60903	-0.03759	1.25565	150.15126	ug/L	10/19/10	13:15	
PBS 183043	Al	3.94664	7.62047	0.27281	131.64547	ug/L	10/19/10	13:15	
PBS 183043	2Al	0.00394	0.00762	0.00027	131.64588	mg/L	10/19/10	13:15	
PBS 183043	As	-0.47618	1.92566	-2.87802	713.32495	ug/L	10/19/10	13:15	
PBS 183043	B	-0.09203	1.04888	-1.23296	1753.07263	ug/L	10/19/10	13:15	
PBS 183043	Ba	0.21418	-0.02640	0.45478	158.85729	ug/L	10/19/10	13:15	
PBS 183043	Be	0.01503	-0.00087	0.03094	149.69123	ug/L	10/19/10	13:15	
PBS 183043	Ca	58.59511	57.75106	59.43915	2.03712	ug/L	10/19/10	13:15	
PBS 183043	Cd	0.20059	-0.31992	0.72110	366.97625	ug/L	10/19/10	13:15	
PBS 183043	Co	0.98397	1.99594	-0.02798	145.44403	ug/L	10/19/10	13:15	
PBS 183043	Cr	0.17478	1.16634	-0.81677	802.28851	ug/L	10/19/10	13:15	
PBS 183043	Cu	0.50391	1.98089	-0.97306	414.50686	ug/L	10/19/10	13:15	
PBS 183043	Fe	50.62864	42.04447	59.21281	23.97822	ug/L	10/19/10	13:15	
PBS 183043	2Fe	0.05062	0.04203	0.05920	23.97734	mg/L	10/19/10	13:15	
PBS 183043	K	29.07755	8.03301	50.12208	102.35205	ug/L	10/19/10	13:15	
PBS 183043	Mg	-0.95026	10.19451	-12.09503	1658.60424	ug/L	10/19/10	13:15	
PBS 183043	2Mg	-0.00095	0.01018	-0.01210	1643.93615	mg/L	10/19/10	13:15	
PBS 183043	Mn	0.63015	0.81307	0.44722	41.05261	ug/L	10/19/10	13:15	
PBS 183043	Mo	-1.11953	0.82740	-3.06647	245.94081	ug/L	10/19/10	13:15	
PBS 183043	Na	246.73284	108.73487	384.73083	79.09713	ug/L	10/19/10	13:15	
PBS 183043	Ni	0.77950	-1.15002	2.70904	350.06314	ug/L	10/19/10	13:15	
PBS 183043	Pb	0.12850	-0.10393	0.36094	255.80815	ug/L	10/19/10	13:15	
PBS 183043	Se	2.41754	-3.62958	8.46466	353.74511	ug/L	10/19/10	13:15	
PBS 183043	Sb	-4.12948	-6.11795	-2.14102	68.09835	ug/L	10/19/10	13:15	
PBS 183043	Sn	8.82273	5.68680	11.95865	50.26636	ug/L	10/19/10	13:15	
PBS 183043	Sr	0.02499	0.13205	-0.08205	605.57592	ug/L	10/19/10	13:15	
PBS 183043	Ti	0.08954	0.53160	-0.35250	698.14270	ug/L	10/19/10	13:15	
PBS 183043	Tl	-4.29930	-7.15397	-1.44462	93.90176	ug/L	10/19/10	13:15	
PBS 183043	V	0.24632	-0.34165	0.83429	337.57812	ug/L	10/19/10	13:15	
PBS 183043	Zn	15.43598	16.08149	14.79046	5.91407	ug/L	10/19/10	13:15	
PBS 183043	2203/1	3.04205	-5.14964	11.23374	380.82217	ug/L	10/19/10	13:15	
PBS 183043	2203/2	-1.32608	2.41513	-5.06730	398.98449	ug/L	10/19/10	13:15	
PBS 183043	1960/1	10.24750	0.64646	19.84854	132.49980	ug/L	10/19/10	13:15	
PBS 183043	1960/2	-1.49157	-5.76440	2.78126	405.12341	ug/L	10/19/10	13:15	
PBS 183043	Y	950.93994	947.25897	954.62097	0.54742		10/19/10	13:15	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62095-1	Ag	-0.16254	0.61439	-0.93948	675.95794	ug/L	10/19/10	13:20	
62095-1	Al	12.65486	8.86752	16.44221	42.32455	ug/L	10/19/10	13:20	
62095-1	2Al	0.01265	0.00886	0.01644	42.32464	mg/L	10/19/10	13:20	
62095-1	As	1.25914	-2.10077	4.61906	377.37060	ug/L	10/19/10	13:20	
62095-1	B	53.13763	52.78118	53.49407	0.94864	ug/L	10/19/10	13:20	
62095-1	Ba	1.54876	1.72419	1.37333	16.01871	ug/L	10/19/10	13:20	
62095-1	Be	-0.04955	-0.02790	-0.07119	61.76542	ug/L	10/19/10	13:20	
62095-1	Ca	1125.23352	1125.64050	1124.82653	0.05115	ug/L	10/19/10	13:20	
62095-1	Cd	-0.16989	0.02279	-0.36258	160.39909	ug/L	10/19/10	13:20	
62095-1	Co	-0.63336	-1.63269	0.36597	223.13787	ug/L	10/19/10	13:20	
62095-1	Cr	5.85404	5.30897	6.39911	13.16773	ug/L	10/19/10	13:20	
62095-1	Cu	1.40021	0.72556	2.07485	68.13968	ug/L	10/19/10	13:20	
62095-1	Fe	93.06340	108.15644	77.97035	22.93574	ug/L	10/19/10	13:20	
62095-1	2Fe	0.09305	0.10814	0.07796	22.93546	mg/L	10/19/10	13:20	
62095-1	K	66635.62500	66600.01562	66671.24218	0.07558	ug/L	10/19/10	13:20	
62095-1	Mg	1904.88061	1901.35595	1908.40527	0.26167	ug/L	10/19/10	13:20	
62095-1	2Mg	1.90433	1.90080	1.90785	0.26188	mg/L	10/19/10	13:20	
62095-1	Mn	8.58573	8.51824	8.65322	1.11169	ug/L	10/19/10	13:20	
62095-1	Mo	0.71322	2.59882	-1.17237	373.88540	ug/L	10/19/10	13:20	
62095-1	Na	584.72534	731.70465	437.74603	35.54833	ug/L	10/19/10	13:20	
62095-1	Ni	13.00085	13.76681	12.23489	8.33200	ug/L	10/19/10	13:20	
62095-1	Pb	2.27878	3.91366	0.64391	101.46038	ug/L	10/19/10	13:20	
62095-1	Se	-0.35679	0.45013	-1.16371	319.83871	ug/L	10/19/10	13:20	
62095-1	Sb	-2.52055	1.15252	-6.19362	206.08619	ug/L	10/19/10	13:20	
62095-1	Sn	20.07122	24.48293	15.65951	31.08478	ug/L	10/19/10	13:20	
62095-1	Sr	1.31630	1.27197	1.36062	4.76214	ug/L	10/19/10	13:20	
62095-1	Ti	-0.18918	-0.46133	0.08297	203.44529	ug/L	10/19/10	13:20	
62095-1	Tl	-8.12910	-8.36779	-7.89041	4.15242	ug/L	10/19/10	13:20	
62095-1	V	0.55956	1.56041	-0.44128	252.94940	ug/L	10/19/10	13:20	
62095-1	Zn	19.88940	19.33707	20.44173	3.92725	ug/L	10/19/10	13:20	
62095-1	2203/1	6.94590	16.35824	-2.46642	191.63874	ug/L	10/19/10	13:20	
62095-1	2203/2	-0.05127	-2.29929	2.19674	6200.66796	ug/L	10/19/10	13:20	
62095-1	1960/1	16.69421	22.49541	10.89301	49.14358	ug/L	10/19/10	13:20	
62095-1	1960/2	-8.86951	-10.55598	-7.18304	26.89015	ug/L	10/19/10	13:20	
62095-1	Y	984.93750	982.79998	987.07495	0.30690		10/19/10	13:20	
62025-1	Ag	3.18331	3.40276	2.96386	9.74925	ug/L	10/19/10	13:26	
62025-1	Al	68.34413	67.53575	69.15251	1.67274	ug/L	10/19/10	13:26	
62025-1	2Al	0.06834	0.06753	0.06915	1.67276	mg/L	10/19/10	13:26	
62025-1	As	52.48298	46.73346	58.23251	15.49274	ug/L	10/19/10	13:26	
62025-1	B	8.13520	8.55471	7.71569	7.29266	ug/L	10/19/10	13:26	
62025-1	Ba	7.47180	7.33195	7.61164	2.64686	ug/L	10/19/10	13:26	
62025-1	Be	0.47428	0.45065	0.49791	7.04658	ug/L	10/19/10	13:26	
62025-1	Ca	1380.50122	1380.76794	1380.23437	0.02732	ug/L	10/19/10	13:26	
62025-1	Cd	2.21538	1.99036	2.44040	14.36451	ug/L	10/19/10	13:26	
62025-1	Co	32.02576	32.57928	31.47223	2.44428	ug/L	10/19/10	13:26	
62025-1	Cr	1978.57495	1981.77087	1975.37915	0.22842	ug/L	10/19/10	13:26	
62025-1	Cu	656.70495	656.16864	657.24133	0.11550	ug/L	10/19/10	13:26	
62025-1	Fe	1135.86682	1130.63708	1141.09655	0.65112	ug/L	10/19/10	13:26	
62025-1	2Fe	1.13573	1.13050	1.14096	0.65110	mg/L	10/19/10	13:26	
62025-1	K	113.30828	113.06467	113.55189	0.30405	ug/L	10/19/10	13:26	
62025-1	Mg	185.20907	183.64228	186.77586	1.19636	ug/L	10/19/10	13:26	
62025-1	2Mg	0.18513	0.18356	0.18670	1.19557	mg/L	10/19/10	13:26	
62025-1	Mn	388.38665	389.01138	387.76190	0.22748	ug/L	10/19/10	13:26	
62025-1	Mo	-0.05929	2.42839	-2.54698	5933.32031	ug/L	10/19/10	13:26	
62025-1	Na	816.10668	728.14514	904.06823	15.24266	ug/L	10/19/10	13:26	
62025-1	Ni	132.17456	131.90696	132.44215	0.28631	ug/L	10/19/10	13:26	
62025-1	Pb	67.24050	66.81920	67.66180	0.88608	ug/L	10/19/10	13:26	
62025-1	Se	4.02910	1.79259	6.26561	78.50139	ug/L	10/19/10	13:26	
62025-1	Sb	-1.30995	-3.21718	0.59727	205.90202	ug/L	10/19/10	13:26	
62025-1	Sn	38.85539	38.08883	39.62194	2.79002	ug/L	10/19/10	13:26	
62025-1	Sr	4.44428	4.42858	4.45998	0.49946	ug/L	10/19/10	13:26	
62025-1	Ti	31.52856	31.26383	31.79330	1.18746	ug/L	10/19/10	13:26	
62025-1	Tl	-7.06937	-8.33106	-5.80767	25.23998	ug/L	10/19/10	13:26	
62025-1	V	135.66342	135.32482	136.00199	0.35295	ug/L	10/19/10	13:26	
62025-1	Zn	451.95935	451.87463	452.04409	0.02651	ug/L	10/19/10	13:26	
62025-1	2203/1	65.35968	68.63438	62.08498	7.08559	ug/L	10/19/10	13:26	
62025-1	2203/2	68.17950	65.91297	70.44603	4.70134	ug/L	10/19/10	13:26	
62025-1	1960/1	0.47677	5.00041	-4.04686	1341.80407	ug/L	10/19/10	13:26	
62025-1	1960/2	5.80260	0.19108	11.41413	136.76416	ug/L	10/19/10	13:26	
62025-1	Y	941.38647	941.21093	941.56195	0.02636		10/19/10	13:26	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCV	Ag	501.56134	501.97222	501.15042	0.11585	ug/L	10/19/10	13:34	
CCV	Al	5116.25195	5113.20312	5119.30126	0.08428	ug/L	10/19/10	13:34	
CCV	2Al	5.11623	5.11329	5.11918	0.08140	mg/L	10/19/10	13:34	
CCV	As	498.80715	495.93975	501.67456	0.81296	ug/L	10/19/10	13:34	
CCV	B	4989.31640	4984.40332	4994.22900	0.13925	ug/L	10/19/10	13:34	
CCV	Ba	5065.76562	5069.78515	5061.74658	0.11220	ug/L	10/19/10	13:34	
CCV	Be	499.35440	499.26019	499.44860	0.02668	ug/L	10/19/10	13:34	
CCV	Ca	4914.07617	4916.45214	4911.70068	0.06837	ug/L	10/19/10	13:34	
CCV	Cd	497.13861	496.41766	497.85955	0.20508	ug/L	10/19/10	13:34	
CCV	Co	502.47491	502.77883	502.17102	0.08553	ug/L	10/19/10	13:34	
CCV	Cr	5005.54150	5002.82714	5008.25585	0.07668	ug/L	10/19/10	13:34	
CCV	Cu	5045.46826	5048.47558	5042.46093	0.08429	ug/L	10/19/10	13:34	
CCV	Fe	4954.49414	4960.85253	4948.13574	0.18149	ug/L	10/19/10	13:34	
CCV	2Fe	4.95449	4.96085	4.94814	0.18148	mg/L	10/19/10	13:34	
CCV	K	10641.38671	10637.67968	10645.09375	0.04926	ug/L	10/19/10	13:34	
CCV	Mg	5016.65234	5006.45214	5026.85302	0.28755	ug/L	10/19/10	13:34	
CCV	2Mg	5.01666	5.00646	5.02686	0.28750	mg/L	10/19/10	13:34	
CCV	Mn	5018.25927	5017.41357	5019.10498	0.02383	ug/L	10/19/10	13:34	
CCV	Mo	494.65728	494.90414	494.41046	0.07057	ug/L	10/19/10	13:34	
CCV	Na	7785.52978	7882.81103	7688.24853	1.76707	ug/L	10/19/10	13:34	
CCV	Ni	2492.75268	2493.48364	2492.02172	0.04146	ug/L	10/19/10	13:34	
CCV	Pb	500.44665	502.25054	498.64273	0.50976	ug/L	10/19/10	13:34	
CCV	Se	4991.29345	4991.22314	4991.36376	0.00199	ug/L	10/19/10	13:34	
CCV	Sb	484.90130	484.34725	485.45535	0.16158	ug/L	10/19/10	13:34	
CCV	Sn	4962.23437	4962.28027	4962.18798	0.00131	ug/L	10/19/10	13:34	
CCV	Sr	2593.40942	2599.10571	2587.71313	0.31062	ug/L	10/19/10	13:34	
CCV	Ti	497.72747	497.72244	497.73251	0.00143	ug/L	10/19/10	13:34	
CCV	Tl	5009.57617	5003.34863	5015.80419	0.17581	ug/L	10/19/10	13:34	
CCV	V	4980.56152	4982.21435	4978.90869	0.04693	ug/L	10/19/10	13:34	
CCV	Zn	2476.58178	2475.11816	2478.04541	0.08357	ug/L	10/19/10	13:34	
CCV	2203/1	505.43579	510.43194	500.43963	1.39792	ug/L	10/19/10	13:34	
CCV	2203/2	497.95578	498.16595	497.74560	0.05969	ug/L	10/19/10	13:34	
CCV	1960/1	5018.91210	5035.30029	5002.52392	0.46178	ug/L	10/19/10	13:34	
CCV	1960/2	4977.50488	4969.21777	4985.79199	0.23545	ug/L	10/19/10	13:34	
CCV	Y	959.89947	958.52697	961.27197	0.20220		10/19/10	13:34	
CCB	Ag	0.54010	0.51035	0.56985	7.78900	ug/L	10/19/10	13:41	
CCB	Al	-3.20462	-8.57970	2.17044	237.20402	ug/L	10/19/10	13:41	
CCB	2Al	-0.00320	-0.00858	0.00217	237.20243	mg/L	10/19/10	13:41	
CCB	As	3.95867	2.34467	5.57266	57.65901	ug/L	10/19/10	13:41	
CCB	B	2.81130	2.12040	3.50221	34.75568	ug/L	10/19/10	13:41	
CCB	Ba	0.85829	0.23771	1.47886	102.25234	ug/L	10/19/10	13:41	
CCB	Be	0.02580	-0.04924	0.10084	411.34219	ug/L	10/19/10	13:41	
CCB	Ca	-0.23662	-1.75109	1.27785	905.15814	ug/L	10/19/10	13:41	
CCB	Cd	-0.18642	-0.25328	-0.11957	50.71657	ug/L	10/19/10	13:41	
CCB	Co	0.19344	-0.51961	0.90650	521.28894	ug/L	10/19/10	13:41	
CCB	Cr	0.18588	-0.86197	1.23374	797.20330	ug/L	10/19/10	13:41	
CCB	Cu	0.45213	-0.67308	1.57734	351.95437	ug/L	10/19/10	13:41	
CCB	Fe	12.63827	17.96199	7.31455	59.57201	ug/L	10/19/10	13:41	
CCB	2Fe	0.01263	0.01795	0.00731	59.56813	mg/L	10/19/10	13:41	
CCB	K	6.55258	4.60566	8.49951	42.01953	ug/L	10/19/10	13:41	
CCB	Mg	-7.34053	-8.91645	-5.76461	30.36143	ug/L	10/19/10	13:41	
CCB	2Mg	-0.00734	-0.00891	-0.00576	30.37749	mg/L	10/19/10	13:41	
CCB	Mn	0.57398	-0.12057	1.26855	171.12921	ug/L	10/19/10	13:41	
CCB	Mo	-0.01191	-1.11350	1.08967	13076.07128	ug/L	10/19/10	13:41	
CCB	Na	83.83731	106.75623	60.91839	38.66088	ug/L	10/19/10	13:41	
CCB	Ni	0.57242	0.20250	0.94234	91.39218	ug/L	10/19/10	13:41	
CCB	Pb	-1.06252	1.73575	-3.86079	372.44940	ug/L	10/19/10	13:41	
CCB	Se	4.35651	3.48195	5.23106	28.38980	ug/L	10/19/10	13:41	
CCB	Sb	-1.73144	2.69686	-6.15975	361.69659	ug/L	10/19/10	13:41	
CCB	Sn	2.40199	3.80853	0.99545	82.81221	ug/L	10/19/10	13:41	
CCB	Sr	0.29337	-0.09855	0.68529	188.92842	ug/L	10/19/10	13:41	
CCB	Ti	-0.04544	-0.37632	0.28542	1029.57287	ug/L	10/19/10	13:41	
CCB	Tl	-3.53814	-4.16542	-2.91086	25.07269	ug/L	10/19/10	13:41	
CCB	V	1.35959	0.95201	1.76716	42.39497	ug/L	10/19/10	13:41	
CCB	Zn	0.27467	-0.50468	1.05403	401.26501	ug/L	10/19/10	13:41	
CCB	2203/1	3.61942	6.99317	0.24567	131.82214	ug/L	10/19/10	13:41	
CCB	2203/2	-3.39998	-0.88901	-5.91095	104.44290	ug/L	10/19/10	13:41	
CCB	1960/1	8.84831	13.79046	3.90616	78.98961	ug/L	10/19/10	13:41	
CCB	1960/2	2.11397	-1.66456	5.89251	252.77763	ug/L	10/19/10	13:41	
CCB	Y	962.77044	961.73992	963.80096	0.15137		10/19/10	13:41	

0101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
62048-1 1/500	Ag	0.92316	1.52724	0.31907	92.54117	ug/L	10/19/10	13:56	
62048-1 1/500	Al	27.81783	29.28976	26.34591	7.48301	ug/L	10/19/10	13:56	
62048-1 1/500	2Al	0.02781	0.02929	0.02634	7.48292	mg/L	10/19/10	13:56	
62048-1 1/500	As	0.61725	1.51729	-0.28279	206.21424	ug/L	10/19/10	13:56	
62048-1 1/500	B	-0.51295	-1.60449	0.57858	300.93823	ug/L	10/19/10	13:56	
62048-1 1/500	Ba	1.00193	1.11586	0.88799	16.08171	ug/L	10/19/10	13:56	
62048-1 1/500	Be	0.00897	0.05948	-0.04153	795.54040	ug/L	10/19/10	13:56	
62048-1 1/500	Ca	34.78060	36.67559	32.88562	7.70521	ug/L	10/19/10	13:56	
62048-1 1/500	Cd	0.18698	0.20092	0.17304	10.54278	ug/L	10/19/10	13:56	
62048-1 1/500	Co	-0.01929	-0.07831	0.03973	432.69750	ug/L	10/19/10	13:56	
62048-1 1/500	Cr	-0.10383	-0.71517	0.50751	832.65942	ug/L	10/19/10	13:56	
62048-1 1/500	Cu	-0.60514	-0.60232	-0.60796	0.65891	ug/L	10/19/10	13:56	
62048-1 1/500	Fe	26.89430	37.34331	16.44528	54.94522	ug/L	10/19/10	13:56	
62048-1 1/500	2Fe	0.02689	0.03733	0.01644	54.94552	mg/L	10/19/10	13:56	
62048-1 1/500	K	1090.45678	1107.61108	1073.30249	2.22474	ug/L	10/19/10	13:56	
62048-1 1/500	Mg	14.41809	15.97813	12.85805	15.30182	ug/L	10/19/10	13:56	
62048-1 1/500	2Mg	0.01441	0.01596	0.01285	15.28665	mg/L	10/19/10	13:56	
62048-1 1/500	Mn	4.61161	4.62825	4.59497	0.51033	ug/L	10/19/10	13:56	
62048-1 1/500	Mo	-0.00856	2.61998	-2.63711	43397.99218	ug/L	10/19/10	13:56	
62048-1 1/500	Na	21017.06640	21155.36328	20878.76953	0.93058	ug/L	10/19/10	13:56	
62048-1 1/500	Ni	1.47489	2.56813	0.38166	104.82550	ug/L	10/19/10	13:56	
62048-1 1/500	Pb	-1.85575	-1.65138	-2.06013	15.57496	ug/L	10/19/10	13:56	
62048-1 1/500	Se	5.53895	3.27326	7.80464	57.84795	ug/L	10/19/10	13:56	
62048-1 1/500	Sb	-3.55614	-0.22412	-6.88815	132.50833	ug/L	10/19/10	13:56	
62048-1 1/500	Sn	2.89484	1.91712	3.87256	47.76441	ug/L	10/19/10	13:56	
62048-1 1/500	Sr	0.19670	0.20481	0.18858	5.83259	ug/L	10/19/10	13:56	
62048-1 1/500	Ti	-0.21323	-0.42234	-0.00411	138.69123	ug/L	10/19/10	13:56	
62048-1 1/500	Tl	-2.93188	0.96721	-6.83099	188.07533	ug/L	10/19/10	13:56	
62048-1 1/500	V	1.94649	3.38697	0.50602	104.65661	ug/L	10/19/10	13:56	
62048-1 1/500	Zn	1.36928	1.23539	1.50317	13.82827	ug/L	10/19/10	13:56	
62048-1 1/500	2203/1	3.31144	8.07226	-1.44938	203.31990	ug/L	10/19/10	13:56	
62048-1 1/500	2203/2	-4.43548	-6.50592	-2.36505	66.01377	ug/L	10/19/10	13:56	
62048-1 1/500	1960/1	5.11363	8.63012	1.59714	97.25121	ug/L	10/19/10	13:56	
62048-1 1/500	1960/2	5.75129	0.59884	10.90374	126.69598	ug/L	10/19/10	13:56	
62048-1 1/500	Y	974.98797	974.60998	975.36596	0.05482		10/19/10	13:56	
61878-1	Ag	-0.34639	-1.06128	0.36850	291.87167	ug/L	10/19/10	14:01	
61878-1	Al	7.96872	2.83320	13.10425	91.14036	ug/L	10/19/10	14:01	
61878-1	2Al	0.00796	0.00283	0.01310	91.14036	mg/L	10/19/10	14:01	
61878-1	As	11.70793	9.40628	14.00957	27.80179	ug/L	10/19/10	14:01	
61878-1	B	36.04005	34.21519	37.86491	7.16076	ug/L	10/19/10	14:01	
61878-1	Ba	87.80696	88.06799	87.54593	0.42041	ug/L	10/19/10	14:01	
61878-1	Be	0.01031	-0.01476	0.03539	343.86111	ug/L	10/19/10	14:01	
61878-1	Ca	28301.12695	28326.57421	28275.67968	0.12716	ug/L	10/19/10	14:01	
61878-1	Cd	-0.14389	-0.33788	0.05009	190.65744	ug/L	10/19/10	14:01	
61878-1	Co	-0.98041	-1.87411	-0.08671	128.91316	ug/L	10/19/10	14:01	
61878-1	Cr	-0.83312	-1.83285	0.16659	169.70129	ug/L	10/19/10	14:01	
61878-1	Cu	-2.00890	-3.21313	-0.80468	84.77385	ug/L	10/19/10	14:01	
61878-1	Fe	131.82580	122.19001	141.46159	10.33717	ug/L	10/19/10	14:01	
61878-1	2Fe	0.13180	0.12217	0.14144	10.33764	mg/L	10/19/10	14:01	
61878-1	K	4451.81347	4467.15087	4436.47607	0.48722	ug/L	10/19/10	14:01	
61878-1	Mg	11359.04199	11338.88476	11379.19921	0.25095	ug/L	10/19/10	14:01	
61878-1	2Mg	11.35581	11.33566	11.37596	0.25093	mg/L	10/19/10	14:01	
61878-1	Mn	6.27472	6.21901	6.33043	1.25559	ug/L	10/19/10	14:01	
61878-1	Mo	53.21351	51.89813	54.52888	3.49576	ug/L	10/19/10	14:01	
61878-1	Na	23684.35937	23711.50390	23657.21484	0.16208	ug/L	10/19/10	14:01	
61878-1	Ni	0.85978	0.56041	1.15915	49.24169	ug/L	10/19/10	14:01	
61878-1	Pb	-1.53159	-1.45412	-1.60906	7.15328	ug/L	10/19/10	14:01	
61878-1	Se	1.93277	3.67701	0.18853	127.62642	ug/L	10/19/10	14:01	
61878-1	Sb	-3.88899	-4.17539	-3.60259	10.41479	ug/L	10/19/10	14:01	
61878-1	Sn	3.18176	0.80332	5.56019	105.71537	ug/L	10/19/10	14:01	
61878-1	Sr	4891.83886	4917.75537	4865.92236	0.74923	ug/L	10/19/10	14:01	
61878-1	Ti	-0.56463	-0.96783	-0.16143	100.98873	ug/L	10/19/10	14:01	
61878-1	Tl	-4.27343	-5.09689	-3.44997	27.25079	ug/L	10/19/10	14:01	
61878-1	V	0.54466	-0.82882	1.91815	356.62274	ug/L	10/19/10	14:01	
61878-1	Zn	0.94585	0.55531	1.33638	58.39186	ug/L	10/19/10	14:01	
61878-1	2203/1	6.74680	11.25012	2.24349	94.39502	ug/L	10/19/10	14:01	
61878-1	2203/2	-5.66458	-7.79672	-3.53245	53.23062	ug/L	10/19/10	14:01	
61878-1	1960/1	9.42038	19.04401	-0.20325	144.47273	ug/L	10/19/10	14:01	
61878-1	1960/2	-1.80541	-3.99496	0.38413	171.51129	ug/L	10/19/10	14:01	
61878-1	Y	988.69946	984.06896	993.32995	0.66233		10/19/10	14:01	

0101810

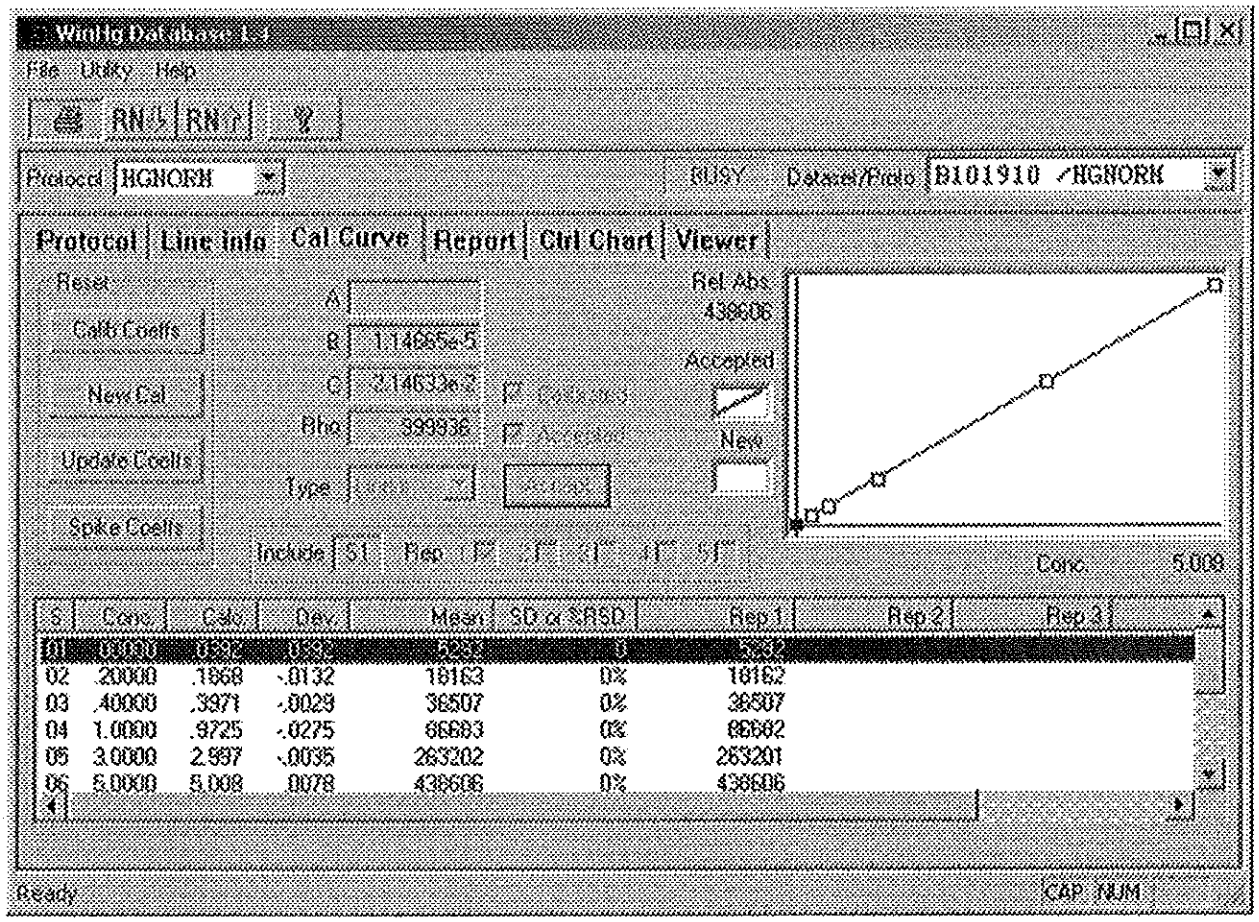
SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
RL ICP	Ag	10.27043	11.22509	9.31577	13.14546	ug/L	10/19/10	14:06	
RL ICP	Al	219.67094	215.08624	224.25564	2.95157	ug/L	10/19/10	14:06	
RL ICP	2Al	0.21968	0.21510	0.22427	2.95157	mg/L	10/19/10	14:06	
RL ICP	As	21.95874	24.51577	19.40171	16.46810	ug/L	10/19/10	14:06	
RL ICP	B	101.60987	100.06391	103.15583	2.15167	ug/L	10/19/10	14:06	
RL ICP	Ba	10.21852	10.32321	10.11383	1.44889	ug/L	10/19/10	14:06	
RL ICP	Be	3.93912	3.96928	3.90896	1.08276	ug/L	10/19/10	14:06	
RL ICP	Ca	511.70175	513.22998	510.17352	0.42236	ug/L	10/19/10	14:06	
RL ICP	Cd	4.77388	4.50783	5.03993	7.88149	ug/L	10/19/10	14:06	
RL ICP	Co	10.49258	10.05579	10.92938	5.88723	ug/L	10/19/10	14:06	
RL ICP	Cr	10.11496	9.80984	10.42008	4.26605	ug/L	10/19/10	14:06	
RL ICP	Cu	21.25146	20.61572	21.88720	4.23064	ug/L	10/19/10	14:06	
RL ICP	Fe	41.10552	60.01996	22.19109	65.07409	ug/L	10/19/10	14:06	
RL ICP	2Fe	0.04110	0.06001	0.02219	65.06719	mg/L	10/19/10	14:06	
RL ICP	K	1079.11035	1095.43029	1062.79040	2.13878	ug/L	10/19/10	14:06	
RL ICP	Mg	514.69714	511.19192	518.20239	0.96311	ug/L	10/19/10	14:06	
RL ICP	2Mg	0.51454	0.51104	0.51805	0.96404	mg/L	10/19/10	14:06	
RL ICP	Mn	9.98939	9.93879	10.03999	0.71634	ug/L	10/19/10	14:06	
RL ICP	Mo	9.24098	7.31962	11.16235	29.40404	ug/L	10/19/10	14:06	
RL ICP	Na	893.37438	1058.78759	727.96124	26.18494	ug/L	10/19/10	14:06	
RL ICP	Ni	39.22321	40.38414	38.06229	4.18578	ug/L	10/19/10	14:06	
RL ICP	Pb	8.95706	8.72253	9.19159	3.70300	ug/L	10/19/10	14:06	
RL ICP	Se	21.53597	24.57313	18.49881	19.94425	ug/L	10/19/10	14:06	
RL ICP	Sb	11.21572	15.27243	7.15900	51.15198	ug/L	10/19/10	14:06	
RL ICP	Sn	51.96339	51.65431	52.27247	0.84116	ug/L	10/19/10	14:06	
RL ICP	Sr	10.71140	10.81041	10.61240	1.30716	ug/L	10/19/10	14:06	
RL ICP	Ti	9.87584	9.54568	10.20600	4.72782	ug/L	10/19/10	14:06	
RL ICP	Tl	17.82991	20.53255	15.12727	21.43651	ug/L	10/19/10	14:06	
RL ICP	V	8.77548	9.37288	8.17809	9.62731	ug/L	10/19/10	14:06	
RL ICP	Zn	22.35408	22.06987	22.63828	1.79799	ug/L	10/19/10	14:06	
RL ICP	2203/1	5.37190	12.43582	-1.69201	185.96551	ug/L	10/19/10	14:06	
RL ICP	2203/2	10.74695	6.86866	14.62524	51.03520	ug/L	10/19/10	14:06	
RL ICP	1960/1	25.25273	38.37370	12.13176	73.48058	ug/L	10/19/10	14:06	
RL ICP	1960/2	19.68037	17.68317	21.67757	14.35171	ug/L	10/19/10	14:06	
RL ICP	Y	978.81298	976.69793	980.92797	0.30558		10/19/10	14:06	
ICSA61	Ag	-0.51958	0.30197	-1.34114	223.61318	ug/L	10/19/10	14:11	
ICSA61	Al	506542.00000	505801.59375	507282.40625	0.20671	ug/L	10/19/10	14:11	
ICSA61	2Al	506.54339	505.78503	507.30175	0.21172	mg/L	10/19/10	14:11	
ICSA61	As	-0.21514	-1.60426	1.17396	913.10589	ug/L	10/19/10	14:11	
ICSA61	B	12.40215	11.55899	13.24532	9.61460	ug/L	10/19/10	14:11	
ICSA61	Ba	0.77012	0.78675	0.75349	3.05431	ug/L	10/19/10	14:11	
ICSA61	Be	0.03959	0.00946	0.06971	107.60741	ug/L	10/19/10	14:11	
ICSA61	Ca	552725.93750	551929.50000	553522.37500	0.20377	ug/L	10/19/10	14:11	
ICSA61	Cd	-0.29133	-0.25307	-0.32958	18.57066	ug/L	10/19/10	14:11	
ICSA61	Co	0.76802	1.10572	0.43033	62.18119	ug/L	10/19/10	14:11	
ICSA61	Cr	0.62014	1.05583	0.18445	99.35711	ug/L	10/19/10	14:11	
ICSA61	Cu	2.08382	2.85382	1.31382	52.25706	ug/L	10/19/10	14:11	
ICSA61	Fe	202249.51562	202028.42187	202470.60937	0.15459	ug/L	10/19/10	14:11	
ICSA61	2Fe	202.21110	201.98297	202.43923	0.15955	mg/L	10/19/10	14:11	
ICSA61	K	-2.94942	-3.08362	-2.81521	6.43489	ug/L	10/19/10	14:11	
ICSA61	Mg	535829.93750	535155.31250	536504.56250	0.17805	ug/L	10/19/10	14:11	
ICSA61	2Mg	535.61102	534.91802	536.30401	0.18297	mg/L	10/19/10	14:11	
ICSA61	Mn	-1.23910	-1.25026	-1.22795	1.27331	ug/L	10/19/10	14:11	
ICSA61	Mo	-0.36309	-0.41254	-0.31364	19.26077	ug/L	10/19/10	14:11	
ICSA61	Na	63.20767	-53.85655	180.27189	261.92044	ug/L	10/19/10	14:11	
ICSA61	Ni	0.42850	-0.28763	1.14463	236.35299	ug/L	10/19/10	14:11	
ICSA61	Pb	-3.24074	-0.46716	-6.01431	121.03475	ug/L	10/19/10	14:11	
ICSA61	Se	2.35865	-3.83201	8.54933	371.18313	ug/L	10/19/10	14:11	
ICSA61	Sb	-5.27944	-2.53339	-8.02550	73.55903	ug/L	10/19/10	14:11	
ICSA61	Sn	3.57545	3.27159	3.87932	12.01897	ug/L	10/19/10	14:11	
ICSA61	Sr	2.19973	2.19156	2.20789	0.52473	ug/L	10/19/10	14:11	
ICSA61	Ti	1.65082	1.81449	1.48715	14.02113	ug/L	10/19/10	14:11	
ICSA61	Tl	-2.63952	-3.03511	-2.24393	21.19503	ug/L	10/19/10	14:11	
ICSA61	V	-5.73827	-6.41330	-5.06325	16.63609	ug/L	10/19/10	14:11	
ICSA61	Zn	4.22457	4.73586	3.71327	17.11602	ug/L	10/19/10	14:11	
ICSA61	2203/1	29.43852	24.00752	34.86951	26.09025	ug/L	10/19/10	14:11	
ICSA61	2203/2	-19.55587	-12.68617	-26.42558	49.67934	ug/L	10/19/10	14:11	
ICSA61	1960/1	11.10412	5.56153	16.64671	70.58999	ug/L	10/19/10	14:11	
ICSA61	1960/2	-2.00752	-8.52175	4.50670	458.89968	ug/L	10/19/10	14:11	
ICSA61	Y	895.39196	895.18493	895.59893	0.03269		10/19/10	14:11	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
ICSAB61	Ag	214.64831	213.71348	215.58314	0.61591	ug/L	10/19/10	14:16	
ICSAB61	Al	506405.43750	505867.65625	506943.25000	0.15018	ug/L	10/19/10	14:16	
ICSAB61	2Al	506.41827	505.87390	506.96261	0.15201	mg/L	10/19/10	14:16	
ICSAB61	As	102.74073	105.51747	99.96398	3.82216	ug/L	10/19/10	14:16	
ICSAB61	B	12.93327	15.27821	10.58833	25.64119	ug/L	10/19/10	14:16	
ICSAB61	Ba	535.44677	535.47436	535.41912	0.00729	ug/L	10/19/10	14:16	
ICSAB61	Be	538.01751	538.32165	537.71337	0.07994	ug/L	10/19/10	14:16	
ICSAB61	Ca	552694.43750	552318.93750	553069.93750	0.09608	ug/L	10/19/10	14:16	
ICSAB61	Cd	1031.88159	1032.17602	1031.58728	0.04034	ug/L	10/19/10	14:16	
ICSAB61	Co	500.77496	500.40997	501.13998	0.10307	ug/L	10/19/10	14:16	
ICSAB61	Cr	512.14276	513.14843	511.13705	0.27770	ug/L	10/19/10	14:16	
ICSAB61	Cu	541.27709	543.21173	539.34252	0.50545	ug/L	10/19/10	14:16	
ICSAB61	Fe	202256.93750	202222.50000	202291.39062	0.02408	ug/L	10/19/10	14:16	
ICSAB61	2Fe	202.22369	202.18710	202.26026	0.02558	mg/L	10/19/10	14:16	
ICSAB61	K	50.89904	42.68493	59.11315	22.82264	ug/L	10/19/10	14:16	
ICSAB61	Mg	535398.75000	534961.37500	535836.18750	0.11553	ug/L	10/19/10	14:16	
ICSAB61	2Mg	535.19201	534.74792	535.63610	0.11734	mg/L	10/19/10	14:16	
ICSAB61	Mn	512.93597	513.08477	512.78717	0.04102	ug/L	10/19/10	14:16	
ICSAB61	Mo	1029.63671	1029.69702	1029.57629	0.00829	ug/L	10/19/10	14:16	
ICSAB61	Na	162.15519	-28.74627	353.05667	166.49200	ug/L	10/19/10	14:16	
ICSAB61	Ni	994.87500	993.98632	995.76367	0.12632	ug/L	10/19/10	14:16	
ICSAB61	Pb	44.50765	44.65031	44.36500	0.45326	ug/L	10/19/10	14:16	
ICSAB61	Se	57.14279	58.54984	55.73575	3.48226	ug/L	10/19/10	14:16	
ICSAB61	Sb	625.56683	615.51861	635.61505	2.27159	ug/L	10/19/10	14:16	
ICSAB61	Sn	1017.20544	1016.43286	1017.97796	0.10740	ug/L	10/19/10	14:16	
ICSAB61	Sr	2.32468	2.45817	2.19119	8.12068	ug/L	10/19/10	14:16	
ICSAB61	Ti	2.07463	2.35366	1.79559	19.02075	ug/L	10/19/10	14:16	
ICSAB61	Tl	109.55505	116.32945	102.78066	8.74486	ug/L	10/19/10	14:16	
ICSAB61	V	509.53417	507.07907	511.98931	0.68142	ug/L	10/19/10	14:16	
ICSAB61	Zn	1037.85583	1037.13171	1038.57995	0.09867	ug/L	10/19/10	14:16	
ICSAB61	2203/1	77.04159	74.52002	79.56316	4.62871	ug/L	10/19/10	14:16	
ICSAB61	2203/2	28.26507	29.73784	26.79231	7.36881	ug/L	10/19/10	14:16	
ICSAB61	1960/1	70.35662	68.62145	72.09180	3.48781	ug/L	10/19/10	14:16	
ICSAB61	1960/2	50.54579	53.52159	47.56998	8.32595	ug/L	10/19/10	14:16	
ICSAB61	Y	894.28942	893.24993	895.32897	0.16438		10/19/10	14:16	
CCV	Ag	501.00115	500.64807	501.35421	0.09966	ug/L	10/19/10	14:23	
CCV	Al	5052.13574	5047.53027	5056.74169	0.12892	ug/L	10/19/10	14:23	
CCV	2Al	5.05181	5.04720	5.05641	0.12894	mg/L	10/19/10	14:23	
CCV	As	505.71954	506.98413	504.45498	0.35362	ug/L	10/19/10	14:23	
CCV	B	5026.39892	5012.28662	5040.51123	0.39705	ug/L	10/19/10	14:23	
CCV	Ba	5042.52636	5041.41455	5043.63769	0.03117	ug/L	10/19/10	14:23	
CCV	Be	504.69790	505.04235	504.35345	0.09651	ug/L	10/19/10	14:23	
CCV	Ca	4988.44140	4992.25830	4984.62500	0.10820	ug/L	10/19/10	14:23	
CCV	Cd	506.40524	506.69760	506.11288	0.08164	ug/L	10/19/10	14:23	
CCV	Co	505.61138	505.40209	505.82064	0.05853	ug/L	10/19/10	14:23	
CCV	Cr	5049.81835	5048.42968	5051.20751	0.03889	ug/L	10/19/10	14:23	
CCV	Cu	5009.28906	5009.14111	5009.43701	0.00417	ug/L	10/19/10	14:23	
CCV	Fe	5035.29785	5042.64355	5027.95166	0.20631	ug/L	10/19/10	14:23	
CCV	2Fe	5.03529	5.04263	5.02794	0.20630	mg/L	10/19/10	14:23	
CCV	K	10632.80078	10645.63867	10619.96289	0.17075	ug/L	10/19/10	14:23	
CCV	Mg	5089.01464	5092.20605	5085.82324	0.08868	ug/L	10/19/10	14:23	
CCV	2Mg	5.08899	5.09218	5.08581	0.08861	mg/L	10/19/10	14:23	
CCV	Mn	5035.54687	5034.86572	5036.22851	0.01913	ug/L	10/19/10	14:23	
CCV	Mo	503.70422	500.35842	507.04998	0.93937	ug/L	10/19/10	14:23	
CCV	Na	7888.33691	7921.97998	7854.69433	0.60314	ug/L	10/19/10	14:23	
CCV	Ni	2517.76708	2515.83496	2519.69921	0.10852	ug/L	10/19/10	14:23	
CCV	Pb	508.19830	509.07006	507.32656	0.24259	ug/L	10/19/10	14:23	
CCV	Se	5061.91503	5057.21630	5066.61328	0.13126	ug/L	10/19/10	14:23	
CCV	Sb	500.20092	498.91253	501.48931	0.36426	ug/L	10/19/10	14:23	
CCV	Sn	5045.73828	5053.75146	5037.72558	0.22458	ug/L	10/19/10	14:23	
CCV	Sr	2588.07617	2585.65429	2590.49780	0.13233	ug/L	10/19/10	14:23	
CCV	Ti	497.46649	496.76998	498.16299	0.19800	ug/L	10/19/10	14:23	
CCV	Tl	5070.81640	5070.38085	5071.25195	0.01214	ug/L	10/19/10	14:23	
CCV	V	4984.61718	4988.93652	4980.29736	0.12255	ug/L	10/19/10	14:23	
CCV	Zn	2529.23876	2531.32348	2527.15405	0.11656	ug/L	10/19/10	14:23	
CCV	2203/1	513.22778	523.68945	502.76605	2.88275	ug/L	10/19/10	14:23	
CCV	2203/2	505.68737	501.77133	509.60342	1.09516	ug/L	10/19/10	14:23	
CCV	1960/1	5051.61914	5070.56201	5032.67626	0.53031	ug/L	10/19/10	14:23	
CCV	1960/2	5067.05468	5050.55371	5083.55615	0.46054	ug/L	10/19/10	14:23	
CCV	Y	974.59197	974.57397	974.60998	0.00261		10/19/10	14:23	

D101810

SMPLNAME.....	ELEM..	AVER.....	REP1.....	REP2.....	RSD.....	UNITS	DATESTMP.	TIMESTMP	COMMENT.....
CCB	Ag	-0.52664	-0.70860	-0.34467	48.86374	ug/L	10/19/10	14:28	
CCB	Al	4.04819	2.03400	6.06237	70.36445	ug/L	10/19/10	14:28	
CCB	2Al	0.00404	0.00203	0.00606	70.36425	mg/L	10/19/10	14:28	
CCB	As	-2.16377	-4.70738	0.37982	166.24642	ug/L	10/19/10	14:28	
CCB	B	11.52836	15.05171	8.00501	43.22183	ug/L	10/19/10	14:28	
CCB	Ba	0.05510	0.16108	-0.05086	271.95980	ug/L	10/19/10	14:28	
CCB	Be	-0.06994	-0.07101	-0.06886	2.16991	ug/L	10/19/10	14:28	
CCB	Ca	-2.66619	-2.26044	-3.07194	21.52192	ug/L	10/19/10	14:28	
CCB	Cd	-0.15270	-0.08786	-0.21755	60.05208	ug/L	10/19/10	14:28	
CCB	Co	-0.06485	0.01800	-0.14772	180.68572	ug/L	10/19/10	14:28	
CCB	Cr	-0.24453	0.08588	-0.57495	191.09295	ug/L	10/19/10	14:28	
CCB	Cu	-0.87900	-0.97431	-0.78370	15.33335	ug/L	10/19/10	14:28	
CCB	Fe	-8.32336	-5.75005	-10.89667	43.72277	ug/L	10/19/10	14:28	
CCB	2Fe	-0.00832	-0.00574	-0.01089	43.72224	mg/L	10/19/10	14:28	
CCB	K	-10.59343	-11.98243	-9.20442	18.54306	ug/L	10/19/10	14:28	
CCB	Mg	-8.88796	-11.99785	-5.77808	49.48303	ug/L	10/19/10	14:28	
CCB	2Mg	-0.00888	-0.01199	-0.00577	49.49745	mg/L	10/19/10	14:28	
CCB	Mn	0.06109	0.21531	-0.09313	357.00402	ug/L	10/19/10	14:28	
CCB	Mo	1.44408	2.08220	0.80595	62.49287	ug/L	10/19/10	14:28	
CCB	Na	-99.44941	-224.32173	25.42289	177.57380	ug/L	10/19/10	14:28	
CCB	Ni	-0.45277	-0.20731	-0.69823	76.66704	ug/L	10/19/10	14:28	
CCB	Pb	-0.82318	-1.33904	-0.30732	88.62438	ug/L	10/19/10	14:28	
CCB	Se	-2.26814	-2.35781	-2.17848	5.59045	ug/L	10/19/10	14:28	
CCB	Sb	-7.53427	-8.44559	-6.62295	17.10589	ug/L	10/19/10	14:28	
CCB	Sn	-2.64419	-1.98865	-3.29972	35.06048	ug/L	10/19/10	14:28	
CCB	Sr	0.01333	0.09361	-0.06694	851.46984	ug/L	10/19/10	14:28	
CCB	Ti	-0.31849	-0.26690	-0.37007	22.90662	ug/L	10/19/10	14:28	
CCB	Tl	-0.23814	0.57785	-1.05415	484.57180	ug/L	10/19/10	14:28	
CCB	V	-1.67062	-1.64097	-1.70027	2.51014	ug/L	10/19/10	14:28	
CCB	Zn	-0.23460	0.03411	-0.50332	161.98364	ug/L	10/19/10	14:28	
CCB	2203/1	-0.16857	-3.29733	2.96018	2624.76123	ug/L	10/19/10	14:28	
CCB	2203/2	-1.14999	-0.36137	-1.93862	96.98145	ug/L	10/19/10	14:28	
CCB	1960/1	1.85539	-2.70800	6.41879	347.83035	ug/L	10/19/10	14:28	
CCB	1960/2	-4.32683	-2.18297	-6.47068	70.07138	ug/L	10/19/10	14:28	
CCB	Y	973.42199	971.54998	975.29394	0.27196		10/19/10	14:28	



r = 0.999936

m = 0.00001147

b = 0.021463

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  1       10:44:27 19 Oct 10   HG

Hg    .0000   ppb      5292

*** Standard: 2 Rep: 1              Seq:  2       10:47:17 19 Oct 10   HG

Hg    .2000   ppb      18162

*** Standard: 3 Rep: 1              Seq:  3       10:50:07 19 Oct 10   HG

Hg    .4000   ppb      36507

*** Standard: 4 Rep: 1              Seq:  4       10:53:02 19 Oct 10   HG

Hg    1.000   ppb      86682

*** Standard: 5 Rep: 1              Seq:  5       10:56:11 19 Oct 10   HG

Hg    3.000   ppb      263201

*** Standard: 6 Rep: 1              Seq:  6       10:59:00 19 Oct 10   HG

Hg    5.000   ppb      438606

*** Check Standard: 3  Ck3ICV       Seq:  7       11:01:51 19 Oct 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg       L   78.81   3.153   4.000  ppb        .0000 %
CE 10/20/10 105.1%                  3
*** Check Standard: 4  Ck4ICB       Seq:  8       11:04:44 19 Oct 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           6.228   .0062   .1000  ppb        .0000 %

*** Check Standard: 7  Ck7CCV       Seq:  9       11:21:19 19 Oct 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           91.02   2.731   3.000  ppb        .0000 %
CE 10/20/10 109.2%                  2.5
*** Check Standard: 6  Ck6CCB       Seq:  10      11:24:15 19 Oct 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg       L  -6.247  -.0062   .1000  ppb        .0000 %

*** Sample ID: 0.20 RL              Seq:  11      11:27:07 19 Oct 10   HG

Hg    .2255   ppb       .0000 %   .2255

*** Sample ID: LB 183026            Seq:  12      11:30:07 19 Oct 10   HG
                            7470_L CE 183227
Hg   -.0117   ppb       .0000 %  -.0117

*** Sample ID: LCS 183227           Seq:  13      11:33:39 19 Oct 10   HG
                            7470_L CE 183227
Hg    2.532   ppb       .0000 %   2.532

*** Sample ID: LCSD183227           Seq:  14      11:36:32 19 Oct 10   HG
                            7470_L CE 183227
Hg    2.541   ppb       .0000 %   2.541
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 62077-8                Seq:  15     11:39:26 19 Oct 10   HG
                            7470_L CE 183227
Hg   -.0316   ppb       .0000 %  -.0316

*** Sample ID: 62077-41               Seq:  16     11:42:15 19 Oct 10   HG
                            7470_L CE 183227
Hg   -.0583   ppb       .0000 %  -.0583

*** Sample ID: 62136-1                Seq:  17     11:45:24 19 Oct 10   HG
                            7470_L CE 183227
Hg    .0024   ppb       .0000 %   .0024

*** Sample ID: 62171-1                Seq:  18     11:48:23 19 Oct 10   HG
                            7470_L CE 183227
Hg   -.0103   ppb       .0000 %  -.0103

*** Sample ID: 62112-1                Seq:  19     11:51:12 19 Oct 10   HG
                            7470_L CE 183227
Hg   -.0006   ppb       .0000 %  -.0006

*** Sample ID: 62112-1MS              Seq:  20     11:54:22 19 Oct 10   HG
                            7470_L CE 183227
Hg    1.040   ppb       .0000 %   1.040

*** Check Standard: 7  Ck7CCV        Seq:  21     11:57:57 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          91.52    2.746   3.000  ppb        .0000 %
CE 10/20/10 109.8            2.5
*** Check Standard: 6  Ck6CCB        Seq:  22     12:01:01 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          3.087    .0031   .1000  ppb        .0000 %

*** Sample ID: 62112-1MSD             Seq:  23     12:04:13 19 Oct 10   HG
                            7470_L CE 183227
Hg    1.015   ppb       .0000 %   1.015

*** Sample ID: LB 182842              Seq:  24     12:07:01 19 Oct 10   HG
                            7470_L CE 182913
Hg   -.0239   ppb       .0000 %  -.0239

*** Sample ID: LCS 182913             Seq:  25     12:10:31 19 Oct 10   HG
                            7470_L CE 182913
Hg    2.499   ppb       .0000 %   2.499

*** Sample ID: 37611-1                Seq:  26     12:13:22 19 Oct 10   HG
                            7470_L CE 182913
Hg   -.0494   ppb       .0000 %  -.0494

*** Sample ID: 37611-2                Seq:  27     12:16:11 19 Oct 10   HG
                            7470_L CE 182913
Hg    .0009   ppb       .0000 %   .0009

*** Sample ID: 37611-3                Seq:  28     12:19:13 19 Oct 10   HG
                            7470_L CE 182913
Hg   -.0012   ppb       .0000 %  -.0012
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 37611-4                Seq:  29     12:22:08 19 Oct 10   HG
                            7470_L CE 182913
Hg    .0021   ppb       .0000 %   .0021

*** Sample ID: 37611-5                Seq:  30     12:26:21 19 Oct 10   HG
                            7470_L CE 182913
Hg    .0043   ppb       .0000 %   .0043

*** Sample ID: 37611-6                Seq:  31     12:29:20 19 Oct 10   HG
                            7470_L CE 182913
Hg   -.0059   ppb       .0000 %  -.0059

*** Sample ID: 37611-7                Seq:  32     12:32:13 19 Oct 10   HG
                            7470_L CE 182913
Hg   -.0022   ppb       .0000 %  -.0022

*** Check Standard: 7  Ck7CCV         Seq:  33     12:35:03 19 Oct 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           92.26   2.768   3.000  ppb        .0000 %
CE 10/20/10 110.7%           2.5
*** Check Standard: 6  Ck6CCB         Seq:  34     12:38:08 19 Oct 10   HG
Line   Flag  %Rcv.   Found    True  Units      SD/RSD
Hg           4.543   .0045   .1000  ppb        .0000 %

*** Sample ID: 37611-8                Seq:  35     12:41:01 19 Oct 10   HG
                            7470_L CE 182913
Hg    .0161   ppb       .0000 %   .0161

*** Sample ID: 37611-9                Seq:  36     12:43:56 19 Oct 10   HG
                            7470_L CE 182913
Hg    .0029   ppb       .0000 %   .0029

*** Sample ID: 37611-10               Seq:  37     12:47:07 19 Oct 10   HG
                            7470_L CE 182913
Hg   -.0186   ppb       .0000 %  -.0186

*** Sample ID: 37611-10MS             Seq:  38     12:49:58 19 Oct 10   HG
                            7470_L CE 182913
Hg    1.082   ppb       .0000 %   1.082

*** Sample ID: 37611-10MS             Seq:  39     12:53:09 19 Oct 10   HG
                            7470_L CE 182913
Hg    1.142   ppb       .0000 %   1.142

*** Sample ID: MB 183248              Seq:  40     12:56:09 19 Oct 10   HG
                            7471 CE 183248
Hg    .1323   ppb       .0000 %   .1323

*** Sample ID: LCS 183248             Seq:  41     12:59:01 19 Oct 10   HG
                            7471 CE 183248
Hg    2.815   ppb       .0000 %   2.815

*** Sample ID: LCSD183248             Seq:  42     13:02:02 19 Oct 10   HG
                            7471 CE 183248
Hg    2.924   ppb       .0000 %   2.924
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 62025-1                Seq:  43     13:04:55 19 Oct 10   HG
                            7471 CE 183248
Hg    3.776   ppb       .0000 %   3.776

*** Sample ID: 62013-17               Seq:  44     13:07:46 19 Oct 10   HG
                            7471 CE 183248
Hg    .1992   ppb       .0000 %   .1992

*** Check Standard: 7  Ck7CCV         Seq:  45     13:10:42 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          95.29   2.859   3.000  ppb        .0000 %
CE 10/20/10 114.4 %         2.5
*** Check Standard: 6  Ck6CCB         Seq:  46     13:13:45 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -27.80  -.0278   .1000  ppb        .0000 %

*** Sample ID: 62013-17D              Seq:  47     13:16:35 19 Oct 10   HG
                            7471 CE 183248
Hg    .2241   ppb       .0000 %   .2241

*** Sample ID: 62013-17MS             Seq:  48     13:19:25 19 Oct 10   HG
                            7471 CE 183248
Hg    1.282   ppb       .0000 %   1.282

*** Sample ID: 62013-29               Seq:  49     13:23:05 19 Oct 10   HG
                            7471 CE 183248
Hg    .2083   ppb       .0000 %   .2083

*** Sample ID: 62013-30               Seq:  50     13:25:55 19 Oct 10   HG
                            7471 CE 183248
Hg    .2875   ppb       .0000 %   .2875

*** Sample ID: 62013-31               Seq:  51     13:28:49 19 Oct 10   HG
                            7471 CE 183248
Hg    .2340   ppb       .0000 %   .2340

*** Sample ID: 62013-32               Seq:  52     13:31:38 19 Oct 10   HG
                            7471 CE 183248
Hg    .2489   ppb       .0000 %   .2489

*** Sample ID: 62013-33               Seq:  53     13:34:30 19 Oct 10   HG
                            7471 CE 183248
Hg    .2534   ppb       .0000 %   .2534

*** Sample ID: 61920-1                Seq:  54     13:37:35 19 Oct 10   HG
                            7471 CE 183248
Hg    6.037   ppb       .0000 %   6.037

*** Sample ID: 61920-2                Seq:  55     13:40:26 19 Oct 10   HG
                            7471 CE 183248
Hg    1.167   ppb       .0000 %   1.167

*** Sample ID: 61920-3                Seq:  56     13:43:20 19 Oct 10   HG
                            7471 CE 183248
Hg    2.590   ppb       .0000 %   2.590
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 7  Ck7CCV        Seq:  57      13:46:14 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          ~~93.44~~  2.803   ~~3.000~~  ppb        .0000 %
CE 10/20/10 112.1%          2.5
*** Check Standard: 6  Ck6CCB        Seq:  58      13:49:05 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          5.472    .0055   .1000  ppb        .0000 %

*** Sample ID: 61920-4               Seq:  59      13:51:58 19 Oct 10   HG
                            7471 CE 183248
Hg    .3448   ppb       .0000 %   .3448

*** Sample ID: 61963-5               Seq:  60      13:54:58 19 Oct 10   HG
                            7471 CE 183248
Hg    .6289   ppb       .0000 %   .6289

*** Sample ID: 61963-6               Seq:  61      13:57:59 19 Oct 10   HG
                            7471 CE 183248
Hg    .5048   ppb       .0000 %   .5048

*** Sample ID: 61963-7               Seq:  62      14:00:51 19 Oct 10   HG
                            7471 CE 183248
Hg    .5659   ppb       .0000 %   .5659

*** Sample ID: 61963-8               Seq:  63      14:03:41 19 Oct 10   HG
                            7471 CE 183248
Hg    1.465   ppb       .0000 %   1.465

*** Sample ID: 61963-12              Seq:  64      14:06:45 19 Oct 10   HG
                            7471 CE 183248
Hg    .2411   ppb       .0000 %   .2411

*** Sample ID: 61963-18              Seq:  65      14:10:07 19 Oct 10   HG
                            7471 CE 183248
Hg    .2701   ppb       .0000 %   .2701

*** Sample ID: 61963-19              Seq:  66      14:13:02 19 Oct 10   HG
                            7471 CE 183248
Hg    .1840   ppb       .0000 %   .1840

*** Sample ID: 61963-20              Seq:  67      14:16:12 19 Oct 10   HG
                            7471 CE 183248
Hg    .2745   ppb       .0000 %   .2745

*** Sample ID: MB 183236             Seq:  68      14:19:05 19 Oct 10   HG
                            7471 CE 183236
Hg    .0200   ppb       .0000 %   .0200

*** Check Standard: 7  Ck7CCV        Seq:  69      14:22:16 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          ~~95.28~~  2.859   ~~3.000~~  ppb        .0000 %
CE 10/20/10 114.4%          2.5
*** Check Standard: 6  Ck6CCB        Seq:  70      14:25:11 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -35.15   -.0352   .1000  ppb        .0000 %
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: LCS 183236              Seq:  71     14:28:32 19 Oct 10   HG
                              7471 CE 183236
Hg    2.666   ppb       .0000 %   2.666

*** Sample ID: 62013-5                 Seq:  72     14:31:23 19 Oct 10   HG
                              7471 CE 183236
Hg   -.0313   ppb       .0000 %  -.0313

*** Sample ID: 62013-6                 Seq:  73     14:34:36 19 Oct 10   HG
                              7471 CE 183236
Hg    .0041   ppb       .0000 %   .0041

*** Sample ID: 62013-7                 Seq:  74     14:37:27 19 Oct 10   HG
                              7471 CE 183236
Hg    5.138   ppb       .0000 %   5.138

*** Sample ID: 62013-8                 Seq:  75     14:40:47 19 Oct 10   HG
                              7471 CE 183236
Hg   -.0001   ppb       .0000 %  -.0001

*** Sample ID: 62013-9                 Seq:  76     14:43:41 19 Oct 10   HG
                              7471 CE 183236
Hg    8.521   ppb       .0000 %   8.521

*** Sample ID: 62013-10                Seq:  77     14:46:53 19 Oct 10   HG
                              7471 CE 183236
Hg   -.0353   ppb       .0000 %  -.0353

*** Sample ID: 62013-11                Seq:  78     14:49:58 19 Oct 10   HG
                              7471 CE 183236
Hg   -.0349   ppb       .0000 %  -.0349

*** Sample ID: 62013-12                Seq:  79     14:52:51 19 Oct 10   HG
                              7471 CE 183236
Hg   -.0070   ppb       .0000 %  -.0070

*** Sample ID: 62013-12D               Seq:  80     14:56:13 19 Oct 10   HG
                              7471 CE 183236
Hg   -.0198   ppb       .0000 %  -.0198

*** Check Standard: 7  Ck7CCV          Seq:  81     14:59:29 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          95.05   2.851   3.000  ppb        .0000 %
CE 10/20/10  114.0 %        2.5
*** Check Standard: 6  Ck6CCB          Seq:  82     15:02:21 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          25.85    .0258   .1000  ppb        .0000 %

*** Sample ID: 62013-12S               Seq:  83     15:05:23 19 Oct 10   HG
                              7471 CE 183236
Hg    1.025   ppb       .0000 %   1.025

*** Sample ID: 62013-14                Seq:  84     15:08:49 19 Oct 10   HG
                              7471 CE 183236
Hg   -.0476   ppb       .0000 %  -.0476
```

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 62013-16                Seq:  85     15:12:14 19 Oct 10   HG
                              7471 CE 183236
Hg    .3651   ppb        .0000 %   .3651

*** Sample ID: 62013-19                Seq:  86     15:15:06 19 Oct 10   HG
                              7471 CE 183236
Hg    .0587   ppb        .0000 %   .0587

*** Sample ID: 62013-20                Seq:  87     15:18:09 19 Oct 10   HG
                              7471 CE 183236
Hg    .0767   ppb        .0000 %   .0767

*** Sample ID: 62013-21                Seq:  88     15:21:16 19 Oct 10   HG
                              7471 CE 183236
Hg    .1504   ppb        .0000 %   .1504

*** Sample ID: 62013-22                Seq:  89     15:24:18 19 Oct 10   HG
                              7471 CE 183236
Hg    .1167   ppb        .0000 %   .1167

*** Sample ID: 62013-23                Seq:  90     15:27:23 19 Oct 10   HG
                              7471 CE 183236
Hg    .0899   ppb        .0000 %   .0899

*** Sample ID: 62013-24                Seq:  91     15:30:14 19 Oct 10   HG
                              7471 CE 183236
Hg    .1585   ppb        .0000 %   .1585

*** Sample ID: 62013-25                Seq:  92     15:33:07 19 Oct 10   HG
                              7471 CE 183236
Hg    .1178   ppb        .0000 %   .1178

*** Check Standard: 7  Ck7CCV          Seq:  93     15:36:11 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          96.20   2.886   3.000  ppb        .0000 %
CE 10/20/10  115.4%  2.5
*** Check Standard: 6  Ck6CCB          Seq:  94     15:39:31 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -5.169  -.0052   .1000  ppb        .0000 %

*** Sample ID: 62013-26                Seq:  95     15:43:26 19 Oct 10   HG
                              7471 CE 183236
Hg    .1946   ppb        .0000 %   .1946

*** Sample ID: 62013-27                Seq:  96     15:46:29 19 Oct 10   HG
                              7471 CE 183236
Hg    .1562   ppb        .0000 %   .1562

*** Sample ID: 62013-28                Seq:  97     15:50:23 19 Oct 10   HG
                              7471 CE 183236
Hg    .1398   ppb        .0000 %   .1398

*** Check Standard: 7  Ck7CCV          Seq:  98     15:53:26 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          97.09   2.913   3.000  ppb        .0000 %
```

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 6 Ck6CCB Seq: 99 15:56:29 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 40.95 .0409 .1000 ppb .0000 %

*** Check Standard: 7 Ck7CCV Seq: 100 16:06:05 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg ~~97.98~~ 2.939 ~~3.000~~ ppb .0000 %
CE 10/20/10 117.6% 2.5

*** Check Standard: 6 Ck6CCB Seq: 101 16:08:57 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg L -29.89 -.0299 .1000 ppb .0000 %

*** Sample ID: MB 183248 Seq: 102 16:11:56 19 Oct 10 HG
7471 CE 183248
Hg .1805 ppb .0000 % .1805

*** Sample ID: 62013-7X5 Seq: 103 16:14:48 19 Oct 10 HG
7471 CE 183236
Hg 1.045 ppb .0000 % 1.045

*** Sample ID: 62013-9X5 Seq: 104 16:17:38 19 Oct 10 HG
7471 CE 183236
Hg 1.748 ppb .0000 % 1.748

*** Sample ID: 61920-1X5 Seq: 105 16:20:36 19 Oct 10 HG
7471 CE 183248
Hg 1.222 ppb .0000 % 1.222

*** Sample ID: 61887-4 Seq: 106 16:23:26 19 Oct 10 HG
7471 CE 182949
Hg .3674 ppb .0000 % .3674

*** Sample ID: 61887-4D Seq: 107 16:26:20 19 Oct 10 HG
7471 CE 182949
Hg .4997 ppb .0000 % .4997

*** Sample ID: 61887-4MS Seq: 108 16:29:11 19 Oct 10 HG
7471 CE 182949
Hg 1.785 ppb .0000 % 1.785

*** Sample ID: 61887-5 Seq: 109 16:32:04 19 Oct 10 HG
7471 CE 182949
Hg 3.188 ppb .0000 % 3.188

*** Check Standard: 7 Ck7CCV Seq: 110 16:34:54 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg ~~94.87~~ 2.846 ~~3.000~~ ppb .0000 %
CE 10/20/10 113.8% 2.5

*** Check Standard: 6 Ck6CCB Seq: 111 16:37:57 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 23.54 .0235 .1000 ppb .0000 %

*** Check Standard: 7 Ck7CCV Seq: 112 17:10:26 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg ~~94.41~~ 2.832 ~~3.000~~ ppb .0000 %
CE 10/20/10 113.3% 2.5

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Check Standard: 6  Ck6CCB       Seq:  113     17:14:34 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -11.74   -.0117   .1000  ppb        .0000 %

*** Sample ID: MB 183262            Seq:  114     17:17:27 19 Oct 10   HG
                            7471 CE 183262
Hg    .2942   ppb       .0000 %   .2942

*** Sample ID: LCS 183262           Seq:  115     17:20:27 19 Oct 10   HG
                            7471 CE 183262
Hg    2.527   ppb       .0000 %   2.527

*** Sample ID: LCSD183262           Seq:  116     17:24:16 19 Oct 10   HG
                            7471 CE 183262
Hg    2.583   ppb       .0000 %   2.583

*** Sample ID: 62145-1              Seq:  117     17:27:09 19 Oct 10   HG
                            7471 CE 183262
Hg    4.886   ppb       .0000 %   4.886

*** Sample ID: 62145-1MS            Seq:  118     17:30:20 19 Oct 10   HG
                            7471 CE 183262
Hg    6.513   ppb       .0000 %   6.513

*** Sample ID: 62145-1MSD           Seq:  119     17:33:09 19 Oct 10   HG
                            7471 CE 183262
Hg    7.705   ppb       .0000 %   7.705

*** Sample ID: 62237-1              Seq:  120     17:36:07 19 Oct 10   HG
                            7471 CE 183262
Hg    .0617   ppb       .0000 %   .0617

*** Sample ID: 62237-2              Seq:  121     17:38:56 19 Oct 10   HG
                            7471 CE 183262
Hg    .1157   ppb       .0000 %   .1157

*** Sample ID: 62237-3              Seq:  122     17:41:46 19 Oct 10   HG
                            7471 CE 183262
Hg    .0742   ppb       .0000 %   .0742

*** Sample ID: 62237-4              Seq:  123     17:44:35 19 Oct 10   HG
                            7471 CE 183262
Hg    .1045   ppb       .0000 %   .1045

*** Check Standard: 7  Ck7CCV       Seq:  124     17:47:40 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          ~~95.20~~   2.856   ~~3.000~~  ppb        .0000 %
CE 10/20/10  114.2%          2.5
*** Check Standard: 6  Ck6CCB       Seq:  125     17:50:45 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          13.38    .0134   .1000  ppb        .0000 %

*** Sample ID: 62237-5              Seq:  126     17:54:34 19 Oct 10   HG
                            7471 CE 183262
Hg    .0879   ppb       .0000 %   .0879
```

Line Conc. Units SD/RSD 1 2 3 4 5

*** Sample ID: 62237-6 Seq: 127 17:58:07 19 Oct 10 HG
7471 CE 183262
Hg .0626 ppb .0000 % .0626

*** Sample ID: 62237-7 Seq: 128 18:01:01 19 Oct 10 HG
7471 CE 183262
Hg .1008 ppb .0000 % .1008

*** Sample ID: 62237-8 Seq: 129 18:03:53 19 Oct 10 HG
7471 CE 183262
Hg .0744 ppb .0000 % .0744

*** Sample ID: 61963-21 Seq: 130 18:06:43 19 Oct 10 HG
7471 CE 183262
Hg 1.766 ppb .0000 % 1.766

*** Sample ID: 61963-22 Seq: 131 18:09:55 19 Oct 10 HG
7471 CE 183262
Hg .0848 ppb .0000 % .0848

*** Sample ID: 61963-29 Seq: 132 18:12:46 19 Oct 10 HG
7471 CE 183262
Hg .2042 ppb .0000 % .2042

*** Sample ID: 61963-30 Seq: 133 18:15:48 19 Oct 10 HG
7471 CE 183262
Hg .1332 ppb .0000 % .1332

*** Sample ID: 61963-37 Seq: 134 18:18:41 19 Oct 10 HG
7471 CE 183262
Hg .1263 ppb .0000 % .1263

*** Sample ID: 61963-38 Seq: 135 18:22:05 19 Oct 10 HG
7471 CE 183262
Hg .4068 ppb .0000 % .4068

*** Check Standard: 7 Ck7CCV Seq: 136 18:25:41 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg ~~93.14~~ 2.794 ~~3.000~~ ppb .0000 %
CE 10/20/10 111.8 % 2.5

*** Check Standard: 6 Ck6CCB Seq: 137 18:28:52 19 Oct 10 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 12.21 .0122 .1000 ppb .0000 %

*** Sample ID: 61963-39 Seq: 138 18:32:03 19 Oct 10 HG
7471 CE 183262
Hg .1129 ppb .0000 % .1129

*** Sample ID: 62072-1 Seq: 139 18:35:24 19 Oct 10 HG
7471 CE 183262
Hg .0222 ppb .0000 % .0222

*** Sample ID: 30404-1 Seq: 140 18:38:55 19 Oct 10 HG
7471 CE 183262
Hg .8352 ppb .0000 % .8352

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: 62016-1                Seq:  141    18:42:06 19 Oct 10   HG
                            7471 CE 183262
Hg    .2735   ppb       .0000 %   .2735

*** Sample ID: 62190-1                Seq:  142    18:44:56 19 Oct 10   HG
                            7471 CE 183262
Hg    2.967   ppb       .0000 %   2.967

*** Check Standard: 7  Ck7CCV         Seq:  143    18:47:49 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          ~~94.11~~  2.823  ~~3.000~~ ppb        .0000 %
CE 10/20/10  112.9 %        2.5
*** Check Standard: 6  Ck6CCB         Seq:  144    18:50:44 19 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -29.59   -.0296   .1000 ppb        .0000 %

*** Check Standard: 7  Ck7CCV         Seq:  145    08:21:10 20 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          ~~89.49~~  2.685  ~~3.000~~ ppb        .0000 %
CE 10/20/10  107.4 %        2.5
*** Check Standard: 6  Ck6CCB         Seq:  146    08:25:17 20 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          3.981    .0040   .1000 ppb        .0000 %

*** Sample ID: MB 183262              Seq:  147    08:28:08 20 Oct 10   HG
                            7471 CE 183262
Hg    .2660   ppb       .0000 %   .2660

*** Sample ID: 62145-1X5              Seq:  148    08:30:58 20 Oct 10   HG
                            7471 CE 183262 X5
Hg    1.306   ppb       .0000 %   1.306

*** Sample ID: 62145-1MS              Seq:  149    08:33:58 20 Oct 10   HG
                            7471 CE 183262 X5
Hg    1.675   ppb       .0000 %   1.675

*** Sample ID: 62145-1MSD             Seq:  150    08:36:58 20 Oct 10   HG
                            7471 CE 183262 X5
Hg    1.899   ppb       .0000 %   1.899

*** Check Standard: 7  Ck7CCV         Seq:  151    08:40:18 20 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          ~~90.11~~  2.703  ~~3.000~~ ppb        .0000 %
CE 10/20/10  108.1 %        2.5
*** Check Standard: 6  Ck6CCB         Seq:  152    08:43:21 20 Oct 10   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          39.64    .0396   .1000 ppb        .0000 %
```

Metals Worksheet

Batch Number: 680-182934
Method: 7470A
Analyst: Vasquez, Juana

Date Open: Oct 14 2010 12:16PM
Batch End: Oct 14 2010 2:26PM

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Hg_Int_Cal_00049
MB~680-182934/1		7470A, 7470A			50 mL	50 mL	
LCS~680-182934/2		7470A, 7470A			50 mL	50 mL	0.25 mL
640-30408-A-4			T	<2.0	50 mL	50 mL	
680-62064-E-1			D	<2.0	50 mL	50 mL	
680-62064-E-2			D	<2.0	50 mL	50 mL	
680-62064-E-4			D	<2.0	50 mL	50 mL	
680-62064-E-3			D	<2.0	50 mL	50 mL	
680-62103-G-1			T	<2.0	50 mL	50 mL	
680-62145-C-2	WC-B82-GP-01	7470A, 7470A	T	<2.0	50 mL	50 mL	
680-62145-C-2~MS	WC-B82-GP-01	7470A, 7470A	T	<2.0	50 mL	50 mL	0.10 mL
680-62145-C-2~MSD	WC-B82-GP-01	7470A, 7470A	T	<2.0	50 mL	50 mL	0.10 mL

Oven, Bath or Block Temperature 1:	90 % Celsius
Digestion Tube/Cup Lot #:	010-501-563
Hood ID or number:	HF-6
Hot Block ID number:	HF-6
Lot # of Nitric Acid:	1988772
Lot # of hydrochloric acid:	1988769
Sulfuric Acid Lot Number:	1975456
Potassium Permanganate Lot Number:	1959851
Potassium Persulfate Lot Number:	1988757
Hydroxylamine Sulfate Lot Number:	1914492
Stannous Chloride Lot Number:	1994810
Hydroxylamine Hydrochloride Lot:	N/A
NaCL Lot #:	1988760
SOP Number:	ME28

Metals Worksheet

Batch Number: 680-182934
Method: 7470A
Analyst: Vasquez, Juana

Date Open: Oct 14 2010 12:16PM
Batch End: Oct 14 2010 2:26PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-182934/1		7470A, 7470A		
LCS~680-182934/2		7470A, 7470A		
640-30408-A-4			T	
680-62064-E-1			D	
680-62064-E-2			D	
680-62064-E-4			D	
680-62064-E-3			D	
680-62103-G-1			T	
680-62145-C-2	WC-B82-GP-01	7470A, 7470A	T	
680-62145-C-2~MS	WC-B82-GP-01	7470A, 7470A	T	
680-62145-C-2~MSD	WC-B82-GP-01	7470A, 7470A	T	

Batch Comment: N/A

Metals Worksheet

Batch Number: 680-183043
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Oct 15 2010 9:47AM
Batch End: Oct 15 2010 1:25PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	P_Spike1_00053	P_SPIKEII_00024	P_TEFLONCH_00007
680-62145-B-1	WC-B82-GTM-05	3050B, 6010C	T	1.03 g	100 mL			
680-62145-B-1~MS	WC-B82-GTM-05	3050B, 6010C	T	1.03 g	100 mL	1.0 mL	1.0 mL	
680-62145-B-1~MSD	WC-B82-GTM-05	3050B, 6010C	T	1.03 g	100 mL	1.0 mL	1.0 mL	
680-62146-A-1			T	1.05 g	100 mL			
680-62146-A-2			T	1.08 g	100 mL			
680-61966-A-1			T	1.01 g	100 mL			
680-62095-A-1			T	1.09 g	100 mL			
680-62025-A-2-A			P	1.13 g	50 mL			
680-62115-A-1			T	1.00 g	100 mL			
680-62115-A-2			T	1.04 g	100 mL			
680-62115-A-3			T	1.03 g	100 mL			
680-62115-A-4			T	1.04 g	100 mL			
MB~680-183043/13		3050B, 6010C		1.00 g	100 mL			1.00 g
MB~680-183043/14				1.00 g	50 mL			1.00 g
LCS~680-183043/15		3050B, 6010C		1.00 g	100 mL	1.0 mL	1.0 mL	1.00 g

Nominal Amount Used:	1.0 g
Digestion Tube/Cup Lot #:	1005282
Blank Soil Lot Number:	P-TEFONCH-00007
Balance ID:	5
Hood ID or number:	FH-8
Hot Block ID number:	9
Lot # of hydrochloric acid:	H45A18
Lot # of Nitric Acid:	311045
Logbook ID for diluted Nitric:	N/A
Hydrogen peroxide lot number:	50153024
ID number of the thermometer:	MESD1
Temperature:	94 Degrees C
Acid used for pH adjustment:	N/A
Pipette ID:	PREP-20
Analyst:	HM
First Start time:	N/A
First End time:	N/A
Person's name who witnessed reagent drop:	N/A
Oven, Bath or Block Temperature 1:	94 Degrees C
Oven, Bath or Block Temperature 2:	N/A Degrees C

Metals Worksheet

Batch Number: 680-183043
Method: 3050B
Analyst: Morgan, Harriet

Date Open: Oct 15 2010 9:47AM
Batch End: Oct 15 2010 1:25PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
680-62145-B-1	WC-B82-GTM-05	3050B, 6010C	T	
680-62145-B-1~MS	WC-B82-GTM-05	3050B, 6010C	T	
680-62145-B-1~MSD	WC-B82-GTM-05	3050B, 6010C	T	
680-62146-A-1			T	
680-62146-A-2			T	
680-61966-A-1			T	
680-62095-A-1			T	
680-62025-A-2-A			P	
680-62115-A-1			T	
680-62115-A-2			T	
680-62115-A-3			T	
680-62115-A-4			T	
MB~680-183043/13		3050B, 6010C		
MB~680-183043/14				
LCS~680-183043/15		3050B, 6010C		

Batch Comment: N/A

Metals Worksheet

Batch Number: 680-183096
Method: 3010A
Analyst: Alpuche, Rosalie

Date Open: Oct 15 2010 1:40PM
Batch End: Oct 18 2010 10:24AM

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	P_Spike1_00053	P_SPIKEII_00024
680-61963-C-36			T	<2	50 mL	50 mL		
680-61963-A-40			T	<2	50 mL	50 mL		
680-61963-A-41			T	<2	50 mL	50 mL		
680-61963-A-42			T	<2	50 mL	50 mL		
680-61963-A-43			T	<2	50 mL	50 mL		
680-61943-C-1			T	<2	50 mL	50 mL		
680-62060-B-1		3010A, 6010C	T	<2	50 mL	50 mL		
680-62060-B-2			T	<2	50 mL	50 mL		
680-62145-C-2	WC-B82-GP-01	3010A, 6010C	T	<2	50 mL	50 mL		
680-61984-A-1			T	<2	50 mL	50 mL		
680-61984-A-2			T	<2	50 mL	50 mL		
680-61984-A-3			T	<2	50 mL	50 mL		
680-61984-A-4			T	<2	50 mL	50 mL		
680-62105-E-1			T	<2	50 mL	50 mL		
680-62105-E-2			T	<2	50 mL	50 mL		
680-62105-E-3			T	<2	50 mL	50 mL		
680-62105-E-4			T	<2	50 mL	50 mL		
680-62105-F-5			T	<2	50 mL	50 mL		
680-62103-G-1			T	<2	50 mL	50 mL		
680-62048-A-1			T		5 mL	50 mL		
MB~680-183096/21		3010A, 6010C		<2	50 mL	50 mL		
LCS~680-183096/22		3010A, 6010C		<2	50 mL	50 mL	0.50 mL	0.50 mL
LCSD~680-183096/23		3010A, 6010C		<2	50 mL	50 mL	0.50 mL	0.50 mL
680-62103-G-1~MS		3010A, 6010C	T	<2	50 mL	50 mL	0.50 mL	0.50 mL
680-62103-G-1~MSD		3010A, 6010C	T	<2	50 mL	50 mL	0.50 mL	0.50 mL

Lot # of hydrochloric acid:	J32030	First End time:	N/A
Lot # of Nitric Acid:	J11045		
Vendor of Reagent used:	N/A		
Digestion Tube/Cup Lot #:	1007292		
Hot Block ID number:	2		
ID number of the thermometer:	MELP1		
Oven, Bath or Block Temperature 1:	96 Degrees C		
Oven, Bath or Block Temperature 2:	N/A Degrees C		
Pipette ID:	# 18		
First Start time:	N/A		

Metals Worksheet

Batch Number: 680-183096
Method: 3010A
Analyst: Alpuche, Rosalie

Date Open: Oct 15 2010 1:40PM
Batch End: Oct 18 2010 10:24AM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
680-61963-C-36			T	
680-61963-A-40			T	
680-61963-A-41			T	
680-61963-A-42			T	
680-61963-A-43			T	
680-61943-C-1			T	
680-62060-B-1		3010A, 6010C	T	
680-62060-B-2			T	
680-62145-C-2	WC-B82-GP-01	3010A, 6010C	T	
680-61984-A-1			T	
680-61984-A-2			T	
680-61984-A-3			T	
680-61984-A-4			T	
680-62105-E-1			T	
680-62105-E-2			T	
680-62105-E-3			T	
680-62105-E-4			T	
680-62105-F-5			T	
680-62103-G-1			T	
680-62048-A-1			T	1/10 DILUTION 50% Black liquor
MB~680-183096/21		3010A, 6010C		
LCS~680-183096/22		3010A, 6010C		
LCSD~680-183096/23		3010A, 6010C		
680-62103-G-1~MS		3010A, 6010C	T	
680-62103-G-1~MSD		3010A, 6010C	T	

Metals Worksheet

Batch Number: 680-183262
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Oct 19 2010 10:10AM
Batch End: Oct 19 2010 10:40AM

Lab ID	Client ID	Method Chain	Basis	Target Amount of Sample to Use	Initial weight/volume of sample	Final weight/volume of sample	Hg_Int_Cal_00050	HG_RINSE SOL_00001
MB~680-183262/1		7471B, 7471B			0.54 g	50 mL		
LCS~680-183262/2		7471B, 7471B			0.55 g	50 mL	0.25 mL	
680-61963-B-21			T	2.9472 g	0.52 g	50 mL		
680-61963-B-22			T	0.7293 g	0.55 g	50 mL		
680-61963-A-29			T	0.9982 g	0.54 g	50 mL		
680-61963-A-30			T	1.5819 g	0.52 g	50 mL		
680-61963-B-37			T	0.967 g	0.55 g	50 mL		
680-61963-B-38			T	0.8626 g	0.54 g	50 mL		
680-61963-B-39			T	0.867 g	0.54 g	50 mL		
680-62145-B-1	WC-B82-GTM-05	7471B, 7471B	T	0.6121 g	0.51 g	50 mL		
680-62145-B-1~MS	WC-B82-GTM-05	7471B, 7471B	T		0.55 g	50 mL	0.1 mL	
680-62145-B-1~MSD	WC-B82-GTM-05	7471B, 7471B	T		0.53 g	50 mL	0.1 mL	
680-62237-E-1			T	0.5794 g	0.54 g	50 mL		
680-62237-E-2			T	0.5802 g	0.52 g	50 mL		
680-62237-E-3			T	0.5773 g	0.55 g	50 mL		
680-62237-E-4			T	0.594 g	0.55 g	50 mL		
680-62237-E-5			T	0.598 g	0.54 g	50 mL		
680-62237-E-6			T	0.5941 g	0.50 g	50 mL		
680-62237-D-7			T	0.5804 g	0.55 g	50 mL		
680-62237-E-8			T	0.5874 g	0.52 g	50 mL		
680-62072-C-1			T		0.50 g	50 mL		
640-30404-B-4			T		0.53 g	50 mL		
680-62016-B-1			T	0.5047 g	0.51 g	50 mL		
680-62190-A-1			T		0.51 g	50 mL		
LCSD~680-183262/25		7471B, 7471B				50 mL		0.25 mL

Acid used for pH adjustment:	N/A	Lot # of hydrochloric acid:	2016086
Nominal Amount Used:	0.5 g	Potassium Permanganate Lot Number:	2011320
SOP Number:	ME 28	Sulfuric Acid Lot Number:	1975456
Digestion Tube/Cup Lot #:	010-501-263	Hydroxylamine Sulfate Lot Number:	1914492
Hot Block ID number:	HF-6	Potassium Persulfate Lot Number:	2011319
Hood ID or number:	HF-6	Stannous Chloride Lot Number:	2009725
Balance ID:	7	Oven, Bath or Block Temperature 1:	90 %
Blank Soil Lot Number:	P_SOIL 0001	NaCL Lot #:	1988760
Lot # of Nitric Acid:	2016081	Aqua Regia Lot Number:	1988758
ID number of the thermometer:	MEWB2B	Hydroxylamine Hydrochloride Lot:	N/A

Metals Worksheet

Batch Number: 680-183262
Method: 7471A
Analyst: Vasquez, Juana

Date Open: Oct 19 2010 10:10AM
Batch End: Oct 19 2010 10:40AM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-183262/1		7471B, 7471B		
LCS~680-183262/2		7471B, 7471B		
680-61963-B-21			T	
680-61963-B-22			T	
680-61963-A-29			T	
680-61963-A-30			T	
680-61963-B-37			T	
680-61963-B-38			T	
680-61963-B-39			T	
680-62145-B-1	WC-B82-GTM-05	7471B, 7471B	T	
680-62145-B-1~MS	WC-B82-GTM-05	7471B, 7471B	T	
680-62145-B-1~MSD	WC-B82-GTM-05	7471B, 7471B	T	
680-62237-E-1			T	
680-62237-E-2			T	
680-62237-E-3			T	
680-62237-E-4			T	
680-62237-E-5			T	
680-62237-E-6			T	
680-62237-D-7			T	
680-62237-E-8			T	
680-62072-C-1			T	
640-30404-B-4			T	
680-62016-B-1			T	
680-62190-A-1			T	
LCSD~680-183262/25		7471B, 7471B		

Batch Comment: N/A

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG No.: 68000

Project: 106-2282 NAS SOWEY

Client Sample ID	Lab Sample ID
WC-B82-GTM-05	680-62145-1
WC-B82-GP-01	680-62145-2

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: WC-B82-GP-01
Lab Sample ID: 680-62145-2
Lab Name: TestAmerica Savannah
Job No.: 680-62145-1
SDG ID.: 68000
Matrix: Water
Date Sampled: 10/08/2010 13:45
Reporting Basis: WET
Date Received: 10/13/2010 10:40

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	3.1	1.0	0.50	mg/L			1	9060A
7440-44-0	Total Organic Carbon - Quad	3.1	1.0	0.50	mg/L			1	9060A
	TOC Result 1	3.1	1.0	0.50	mg/L			1	9060A
	TOC Result 2	3.1	1.0	0.50	mg/L			1	9060A
	TOC Result 3	3.0	1.0	0.50	mg/L			1	9060A
	TOC Result 4	3.0	1.0	0.50	mg/L			1	9060A

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 183618	Date: 10/20/2010 11:52						
9060A	MB 680-183618/1	Total Organic Carbon	0.50	U	mg/L	1.0	1
9060A	MB 680-183618/1	Total Organic Carbon - Quad	0.50	U	mg/L	1.0	1
9060A	MB 680-183618/1	TOC Result 1	0.50	U	mg/L	1.0	1
9060A	MB 680-183618/1	TOC Result 2	0.50	U	mg/L	1.0	1
9060A	MB 680-183618/1	TOC Result 3	0.50	U	mg/L	1.0	1
9060A	MB 680-183618/1	TOC Result 4	0.50	U	mg/L	1.0	1

FORM III-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 183618 Date: 10/20/2010 17:42											
9060A	680-62308-E-1	Total Organic Carbon	0.50	U	mg/L						
9060A	680-62308-E-1 MS	Total Organic Carbon	19.6		mg/L	20.0	98	80-120			
9060A	680-62308-E-1	TOC Result 1	0.50	U	mg/L						
9060A	680-62308-E-1 MS	TOC Result 1	19.9		mg/L	20.0	99	80-120			
9060A	680-62308-E-1	TOC Result 2	0.50	U	mg/L						
9060A	680-62308-E-1 MS	TOC Result 2	19.6		mg/L	20.0	98	80-120			
9060A	680-62308-E-1	TOC Result 3	0.50	U	mg/L						
9060A	680-62308-E-1 MS	TOC Result 3	19.5		mg/L	20.0	98	80-120			
9060A	680-62308-E-1	TOC Result 4	0.50	U	mg/L						
9060A	680-62308-E-1 MS	TOC Result 4	19.6		mg/L	20.0	98	80-120			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 183618 Date: 10/20/2010 17:57											
9060A	680-62308-E-1 MSD	Total Organic Carbon	19.3		mg/L	20.0	97	80-120	2	25	
9060A	680-62308-E-1 MSD	TOC Result 1	19.5		mg/L	20.0	98	80-120	2	25	
9060A	680-62308-E-1 MSD	TOC Result 2	19.4		mg/L	20.0	97	80-120	1	25	
9060A	680-62308-E-1 MSD	TOC Result 3	19.1		mg/L	20.0	96	80-120	2	25	
9060A	680-62308-E-1 MSD	TOC Result 4	19.2		mg/L	20.0	96	80-120	2	25	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 183618	Date: 10/20/2010 17:05							
9060A		680-62297-B-5	Total Organic Carbon	45	mg/L			
9060A		680-62297-B-5 DU	Total Organic Carbon	44.3	mg/L	1	25	
9060A		680-62297-B-5	Total Organic Carbon - Quad	45	mg/L			
9060A		680-62297-B-5 DU	Total Organic Carbon - Quad	44.3	mg/L	1	25	
9060A		680-62297-B-5	TOC Result 1	46	mg/L			
9060A		680-62297-B-5 DU	TOC Result 1	45.3	mg/L	0.7	25	
9060A		680-62297-B-5	TOC Result 2	45	mg/L			
9060A		680-62297-B-5 DU	TOC Result 2	43.7	mg/L	2	25	
9060A		680-62297-B-5	TOC Result 3	44	mg/L			
9060A		680-62297-B-5 DU	TOC Result 3	44.0	mg/L	0.7	25	
9060A		680-62297-B-5	TOC Result 4	45	mg/L			
9060A		680-62297-B-5 DU	TOC Result 4	44.2	mg/L	2	25	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 183618	Date: 10/20/2010 12:25										
						LCS Source:	TOC LCS_00043				
9060A	LCS 680-183618/2	Total Organic Carbon	19.0		mg/L	20.0	95	80-120			
9060A	LCS 680-183618/2	TOC Result 1	19.1		mg/L	20.0	96	80-120			
9060A	LCS 680-183618/2	TOC Result 2	18.9		mg/L	20.0	95	80-120			
9060A	LCS 680-183618/2	TOC Result 3	18.9		mg/L	20.0	95	80-120			
9060A	LCS 680-183618/2	TOC Result 4	19.1		mg/L	20.0	96	80-120			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG Number: 68000

Matrix: Water Instrument ID: TOC3

Analysis Method: 9060A MDL Date: 06/02/2009 00:00

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
TOC Result 1		1	0.5
TOC Result 2		1	0.5
TOC Result 3		1	0.5
TOC Result 4		1	0.5
Total Organic Carbon		1	0.5
Total Organic Carbon - Quad		1	0.5

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG Number: 68000

Matrix: Water Instrument ID: TOC3

Analysis Method: 9060A XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
TOC Result 1		1	0.5
TOC Result 2		1	0.5
TOC Result 3		1	0.5
TOC Result 4		1	0.5
Total Organic Carbon		1	0.5
Total Organic Carbon - Quad		1	0.5

FORM IX - IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job Number: 680-62145-1

SDG Number: 68000

Matrix: Solid Instrument ID: NOEQUIP

Analysis Method: Moisture RL Date: 01/01/2005 13:43

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.01	

FORM IX - IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: TOC3 Method: 9060A

Start Date: 10/20/2010 11:52 End Date: 10/20/2010 19:04

Lab Sample ID	D/F	Type	Time	Analytes																			
				TOC	TOC1	TOC2	TOC3	TOC4	TOCQ														
MB 680-183618/1	1	T	11:52	X	X	X	X	X	X														
LCS 680-183618/2	1	T	12:25	X	X	X	X	X	X														
680-62145-2	1	T	12:41	X	X	X	X	X	X														
ZZZZZZ			12:57																				
ZZZZZZ			13:16																				
ZZZZZZ			13:34																				
ZZZZZZ			14:00																				
ZZZZZZ			14:16																				
ZZZZZZ			14:33																				
ZZZZZZ			14:49																				
ZZZZZZ			15:36																				
ZZZZZZ			15:55																				
ZZZZZZ			16:13																				
ZZZZZZ			16:32																				
ZZZZZZ			16:50																				
680-62297-B-5 DU	1	T	17:05	X	X	X	X	X	X														
ZZZZZZ			17:23																				
680-62308-E-1 MS	1	T	17:42	X	X	X	X	X	X														
680-62308-E-1 MSD	1	T	17:57	X	X	X	X	X	X														
ZZZZZZ			18:15																				
ZZZZZZ			19:04																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Savannah Job No.: 680-62145-1

SDG No.: 68000

Instrument ID: NOEQUIP Method: Moisture

Start Date: 10/17/2010 13:49 End Date: 10/17/2010 13:49

Lab Sample ID	D/F	Type	Time	Analytes																			
				Moist																			
ZZZZZZ			13:49																				
680-62145-1	1	T	13:49	X																			
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				
ZZZZZZ			13:49																				

Prep Types
T = Total/NA

	Sample Name	Sample ID	Dilution	Result	Status	Date / Time	Vial
1	CCV	TOCCALSTD2-23	1.000	NPOC:4.870mg/L	Completed	10/20/2010 11:41:58 AM	1
2	CCB		1.000	!!Failed!! NPOC:-0.3627mg/L	Completed	10/20/2010 11:58:24 AM	2
3	BICARB/CARB		1.000	!!Failed!! NPOC:-0.2271mg/L	Completed	10/20/2010 12:12:45 PM	3
4	LCS	TV=20PPM	1.000	NPOC:19.02mg/L	Completed	10/20/2010 12:31:12 PM	4
5	680-62145-a-2		1.000	NPOC:3.082mg/L	Completed	10/20/2010 12:47:31 PM	5
6	460-17986-d-1		1.000	NPOC:5.750mg/L	Completed	10/20/2010 1:03:54 PM	6
7	460-17986-d-2		1.000	NPOC:6.597mg/L	Completed	10/20/2010 1:22:19 PM	7
8	460-17986-d-3		1.000	NPOC:18.15mg/L	Completed	10/20/2010 1:40:40 PM	8
9	460-17986-d-4		1.000	NPOC:21.97mg/L	Completed	10/20/2010 2:06:48 PM	9
10	460-17986-d-5		1.000	NPOC:5.646mg/L	Completed	10/20/2010 2:23:05 PM	10
11	460-18215-d-1		1.000	NPOC:8.916mg/L	Completed	10/20/2010 2:39:29 PM	11
12	460-18215-d-3		1.000	NPOC:6.080mg/L	Completed	10/20/2010 2:55:53 PM	12
13	CCV	TOCCALSTD4-23	1.000	NPOC:46.90mg/L	Completed	10/20/2010 3:12:18 PM	13
14	CCB		1.000	!!Failed!! NPOC:-0.2236mg/L	Completed	10/20/2010 3:26:40 PM	14
15	460-18215-d-4		1.000	NPOC:5.695mg/L	Completed	10/20/2010 3:43:05 PM	15
16	460-18215-d-5		1.000	NPOC:5.479mg/L	Completed	10/20/2010 4:01:33 PM	16
17	680-62297-b-3		1.000	NPOC:10.20mg/L	Completed	10/20/2010 4:19:55 PM	17
18	680-62297-b-4		1.000	NPOC:16.25mg/L	Completed	10/20/2010 4:38:18 PM	18
19	680-62297-b-5		1.000	NPOC:44.92mg/L	Completed	10/20/2010 4:56:41 PM	19
20	680-62297-b-5 DU		1.000	NPOC:44.30mg/L	Completed	10/20/2010 5:11:34 PM	19
21	680-62308-e-1		1.000	NPOC:0.1751mg/L	Completed	10/20/2010 5:29:57 PM	20
22	680-62308-e-1 MS		1.000	NPOC:19.65mg/L	Completed	10/20/2010 5:48:18 PM	21
23	680-62308-e-1 MSD		1.000	NPOC:19.32mg/L	Completed	10/20/2010 6:03:11 PM	21
24	680-62308-e-2		1.000	NPOC:1.740mg/L	Completed	10/20/2010 6:21:34 PM	22
25	CCV	TOCCALSTD6-24	1.000	NPOC:192.7mg/L	Completed	10/20/2010 6:38:19 PM	23
26	CCB		1.000	!!Failed!! NPOC:-0.1965mg/L	Completed	10/20/2010 6:54:44 PM	24
27	680-62308-e-3		1.000	NPOC:1.026mg/L	Completed	10/20/2010 7:11:07 PM	25
28	LCS	TV=20PPM	1.000	NPOC:18.83mg/L	Completed	10/20/2010 7:27:35 PM	4
29	680-62288-e-21		1.000	NPOC:0.4801mg/L	Completed	10/20/2010 7:42:08 PM	26
30	680-62288-e-22		1.000	NPOC:0.2405mg/L	Completed	10/20/2010 7:58:32 PM	27
31	680-62288-e-23		1.000	NPOC:0.2369mg/L	Completed	10/20/2010 8:14:56 PM	28
32	680-62288-e-24		1.000	NPOC:0.2363mg/L	Completed	10/20/2010 8:29:16 PM	29
33	680-62288-e-25		1.000	NPOC:0.08752mg/L	Completed	10/20/2010 8:43:36 PM	30
34	680-62288-e-26		1.000	NPOC:1.564mg/L	Completed	10/20/2010 8:57:59 PM	31
35	680-62288-e-27		1.000	NPOC:0.09072mg/L	Completed	10/20/2010 9:12:22 PM	32
36	680-62288-e-28		1.000	NPOC:0.2851mg/L	Completed	10/20/2010 9:26:44 PM	33
37	CCV	TOCCALSTD2-23	1.000	NPOC:4.927mg/L	Completed	10/20/2010 9:41:23 PM	1
38	CCB		1.000	!!Failed!! NPOC:-0.1932mg/L	Completed	10/20/2010 9:55:44 PM	2
39	680-62288-e-29		1.000	NPOC:0.1997mg/L	Completed	10/20/2010 10:10:07 PM	34
40	680-62288-e-29 DU		1.000	NPOC:0.1774mg/L	Completed	10/20/2010 10:20:57 PM	34
41	680-62288-e-30		1.000	NPOC:0.1316mg/L	Completed	10/20/2010 10:35:22 PM	35
42	680-62288-e-31		1.000	NPOC:0.3157mg/L	Completed	10/20/2010 10:49:45 PM	36
43	680-62288-e-31 ms		1.000	NPOC:19.62mg/L	Completed	10/20/2010 11:06:11 PM	37
44	680-62288-e-31 msd		1.000	NPOC:19.42mg/L	Completed	10/20/2010 11:19:06 PM	37
45	680-62288-e-32		1.000	NPOC:0.2718mg/L	Completed	10/20/2010 11:33:27 PM	38
46	680-62288-e-33		1.000	NPOC:0.3310mg/L	Completed	10/20/2010 11:47:49 PM	39
47	680-62288-e-34		1.000	NPOC:0.1171mg/L	Completed	10/21/2010 12:02:12 AM	40
48	680-62288-e-35		1.000	NPOC:0.3872mg/L	Completed	10/21/2010 12:16:34 AM	41
49	CCV	TOCCALSTD4-23	1.000	NPOC:46.89mg/L	Completed	10/21/2010 12:33:17 AM	13
50	CCB		1.000	!!Failed!! NPOC:-0.1420mg/L	Completed	10/21/2010 12:47:38 AM	14
51	680-62288-e-36		1.000	NPOC:0.5246mg/L	Completed	10/21/2010 1:02:01 AM	42
52	680-62288-e-37		1.000	NPOC:0.6698mg/L	Completed	10/21/2010 1:16:24 AM	43
53	680-62288-e-38		1.000	NPOC:1.011mg/L	Completed	10/21/2010 1:30:46 AM	44
54	680-62288-e-39		1.000	NPOC:1.068mg/L	Completed	10/21/2010 1:45:08 AM	45
55	680-62288-e-40		1.000	NPOC:0.3177mg/L	Completed	10/21/2010 1:59:30 AM	46
56	CCV	TOCCALSTD6-24	1.000	NPOC:191.8mg/L	Completed	10/21/2010 2:16:14 AM	23
57	CCB		1.000	!!Failed!! NPOC:-0.1226mg/L	Completed	10/21/2010 2:30:34 AM	24

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Sample

Sample Name:	CCV
Sample ID:	TOCCALSTD2-23
Origin:	TOC415.1A.met
Status	Completed
Chk. Result	

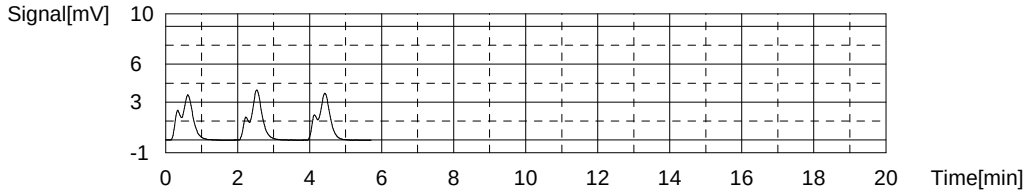
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.870mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.071	4.872mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:37:52 AM
2	9.222	4.961mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:39:55 AM
3	8.910	4.777mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:41:58 AM

Mean Area 9.068
Mean Conc. 4.870mg/L



Sample

Sample Name:	CCB
Sample ID:	
Origin:	TOC9060.met
Status	Completed
Chk. Result	

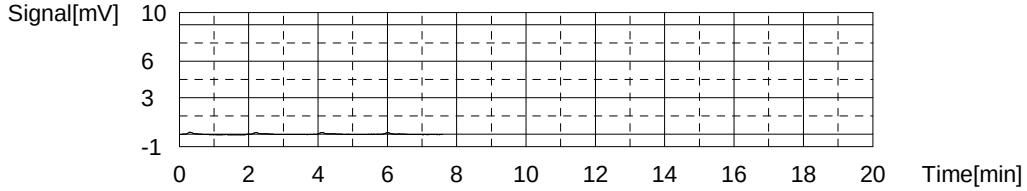
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.3627mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1660	-0.3631mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:52:14 AM
2	0.1664	-0.3629mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:54:17 AM
3	0.1900	-0.3490mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:56:21 AM
4	0.1441	-0.3760mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:58:24 AM

Mean Area 0.1666
Mean Conc. -0.3627mg/L



Sample

Sample Name: BICARB/CARB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

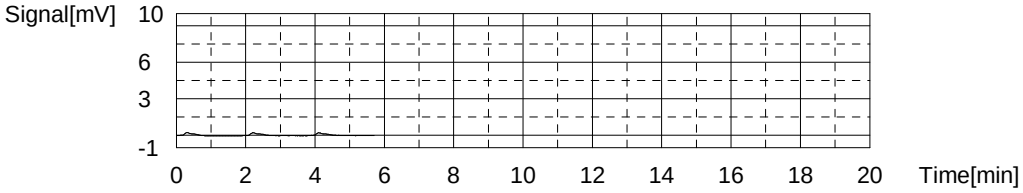
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.2271mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.3746	-0.2405mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:08:38 PM
2	0.4344	-0.2053mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:10:42 PM
3	0.3829	-0.2356mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:12:45 PM

Mean Area 0.3973
Mean Conc. -0.2271mg/L



Sample

Sample Name: LCS
Sample ID: TV=20PPM
Origin: TOC9060.met
Status Completed
Chk. Result

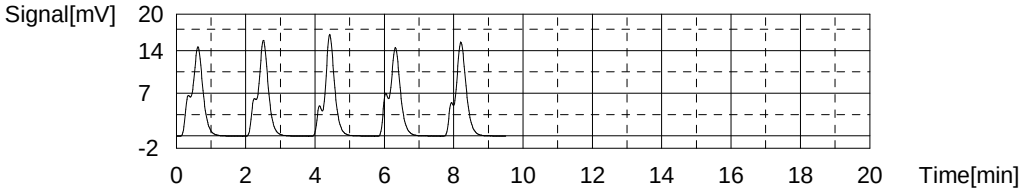
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.02mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.59	19.87mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 12:23:00 PM
2	34.19	19.12mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 12:25:03 PM
3	33.85	18.93mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 12:27:06 PM
4	33.87	18.94mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 12:29:09 PM
5	34.14	19.10mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 12:31:12 PM

Mean Area 34.01
Mean Conc. 19.02mg/L



Sample

Sample Name: 680-62145-a-2
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

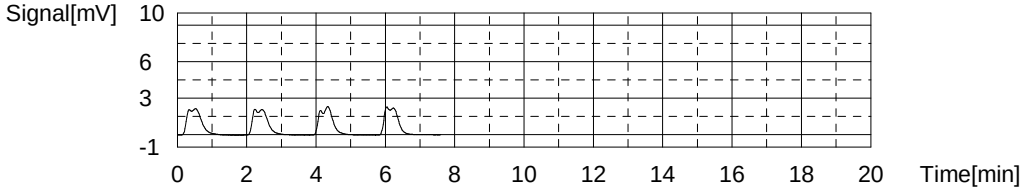
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.082mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.133	3.145mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:41:21 PM
2	6.104	3.128mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:43:24 PM
3	5.938	3.030mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:45:27 PM
4	5.931	3.026mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:47:31 PM

Mean Area 6.027
Mean Conc. 3.082mg/L



Sample

Sample Name: 460-17986-d-1
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

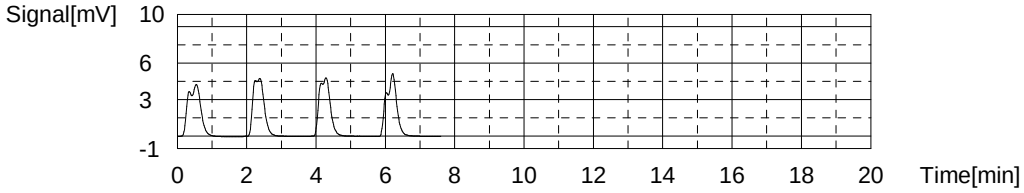
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.750mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.67	5.812mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:57:44 PM
2	10.54	5.736mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 12:59:47 PM
3	10.51	5.718mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 1:01:50 PM
4	10.54	5.736mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 1:03:54 PM

Mean Area 10.57
Mean Conc. 5.750mg/L



Sample

Sample Name: 460-17986-d-2
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

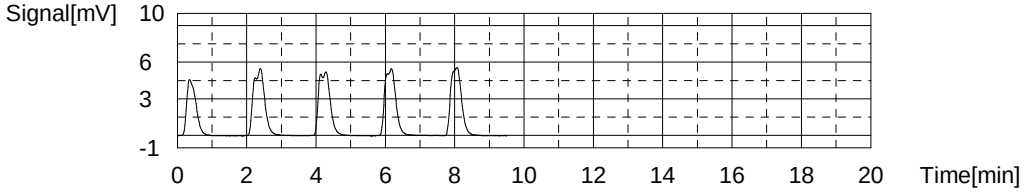
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.597mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.364	4.456mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 1:14:06 PM
2	12.21	6.717mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 1:16:09 PM
3	11.88	6.523mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 1:18:13 PM
4	11.88	6.523mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 1:20:16 PM
5	12.05	6.623mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 1:22:19 PM

Mean Area 12.01
Mean Conc. 6.597mg/L



Sample

Sample Name: 460-17986-d-3
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

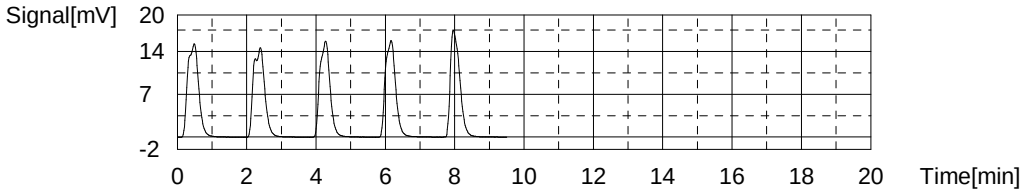
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.15mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.45	19.20mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 1:32:28 PM
2	32.81	18.34mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 1:34:31 PM
3	31.98	17.87mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 1:36:34 PM
4	32.27	18.04mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 1:38:37 PM
5	32.84	18.36mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 1:40:40 PM

Mean Area 32.48
Mean Conc. 18.15mg/L



Sample

Sample Name: 460-17986-d-4
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

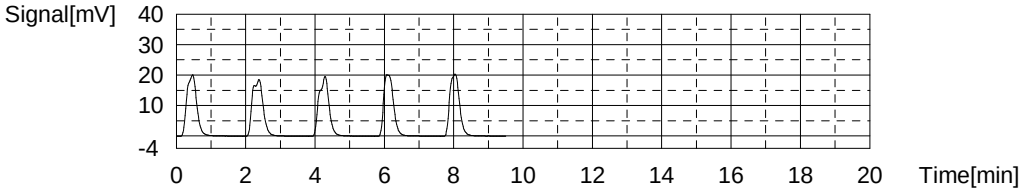
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:21.97mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	39.61	22.83mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 1:58:34 PM
2	39.77	22.29mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 2:00:37 PM
3	38.76	21.71mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 2:02:41 PM
4	38.90	21.79mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 2:04:44 PM
5	39.42	22.09mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 2:06:48 PM

Mean Area 39.21
Mean Conc. 21.97mg/L



Sample

Sample Name: 460-17986-d-5
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

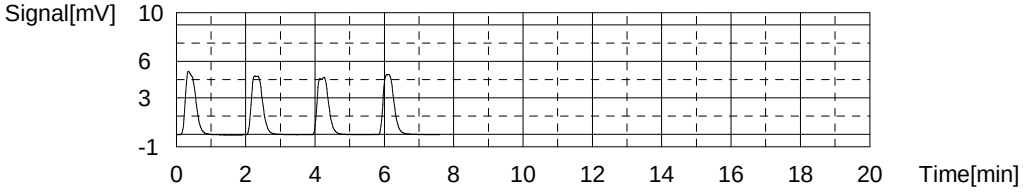
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.646mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.40	5.653mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:16:55 PM
2	10.58	5.759mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:18:58 PM
3	10.30	5.595mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:21:02 PM
4	10.27	5.577mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:23:05 PM

Mean Area 10.39
Mean Conc. 5.646mg/L



Sample

Sample Name: 460-18215-d-1
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

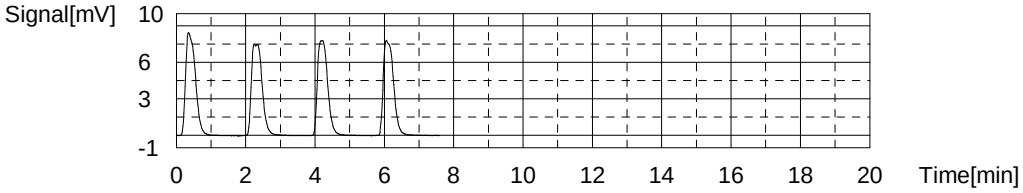
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:8.916mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.35	9.151mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:33:19 PM
2	15.93	8.904mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:35:23 PM
3	15.73	8.787mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:37:26 PM
4	15.79	8.822mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:39:29 PM

Mean Area 15.95
Mean Conc. 8.916mg/L



Sample

Sample Name: 460-18215-d-3
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

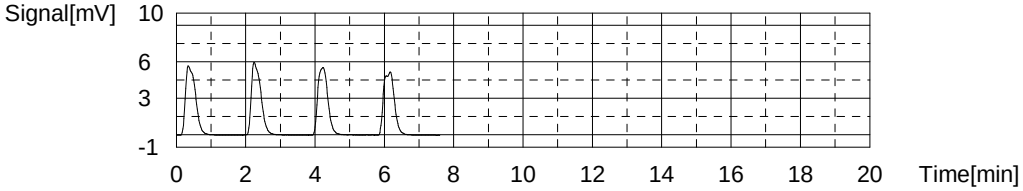
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.080mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.23	6.141mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:49:42 PM
2	11.23	6.141mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:51:45 PM
3	10.95	5.977mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:53:49 PM
4	11.09	6.059mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 2:55:53 PM

Mean Area 11.13
Mean Conc. 6.080mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD4-23
Origin: TOC415.1A.met
Status Completed
Chk. Result

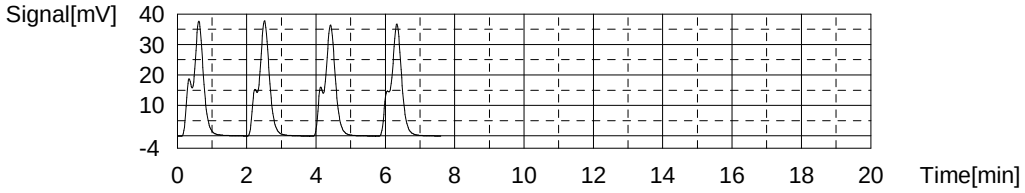
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:46.90mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.94	50.06mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 3:06:07 PM
2	84.08	47.40mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 3:08:11 PM
3	82.52	46.51mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 3:10:15 PM
4	82.99	46.78mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 3:12:18 PM

Mean Area 83.20
Mean Conc. 46.90mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

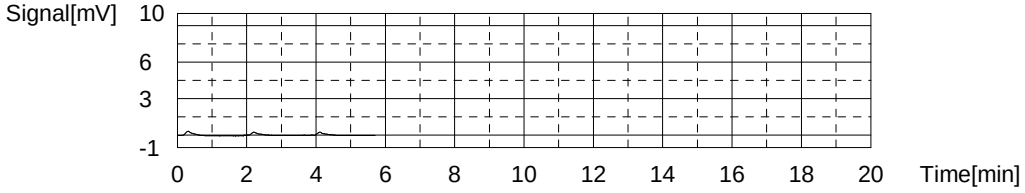
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.2236mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4756	-0.1811mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:22:33 PM
2	0.3725	-0.2417mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:24:36 PM
3	0.3617	-0.2481mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:26:40 PM

Mean Area 0.4033
Mean Conc. -0.2236mg/L



Sample

Sample Name: 460-18215-d-4
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

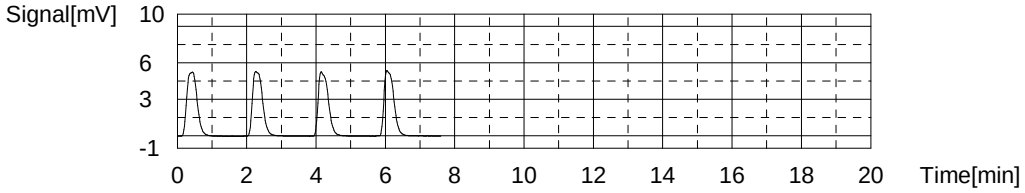
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.695mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.71	5.836mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:36:54 PM
2	10.47	5.695mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:38:58 PM
3	10.41	5.659mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:41:01 PM
4	10.29	5.589mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:43:05 PM

Mean Area 10.47
Mean Conc. 5.695mg/L



Sample

Sample Name: 460-18215-d-5
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

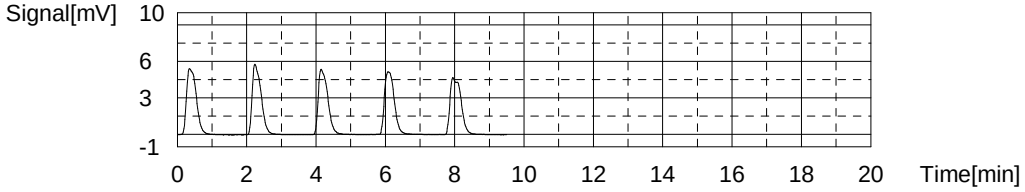
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.479mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.48	5.700mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 3:53:19 PM
2	10.24	5.559mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:55:22 PM
3	10.07	5.459mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:57:26 PM
4	9.911	5.366mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 3:59:30 PM
5	10.19	5.530mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 4:01:33 PM

Mean Area 10.10
Mean Conc. 5.479mg/L



Sample

Sample Name: 680-62297-b-3
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

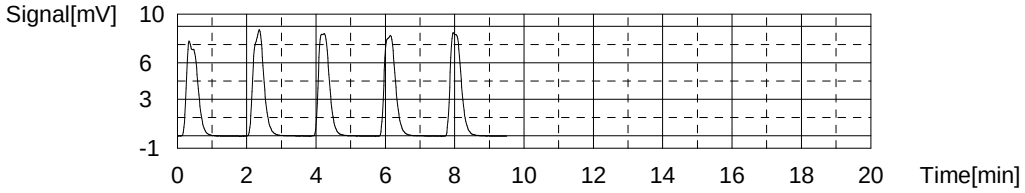
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:10.20mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.82	9.428mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 4:11:41 PM
2	18.37	10.34mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 4:13:45 PM
3	17.87	10.04mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 4:15:48 PM
4	18.07	10.16mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 4:17:52 PM
5	18.25	10.27mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 4:19:55 PM

Mean Area 18.14
Mean Conc. 10.20mg/L



Sample

Sample Name: 680-62297-b-4
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

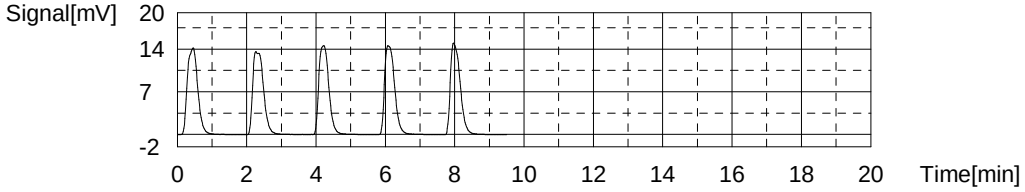
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:16.25mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	29.39	16.82mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 4:30:05 PM
2	29.21	16.30mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:32:08 PM
3	28.94	16.15mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:34:11 PM
4	28.95	16.15mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:36:15 PM
5	29.35	16.38mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:38:18 PM

Mean Area 29.11
Mean Conc. 16.25mg/L



Sample

Sample Name: 680-62297-b-5
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

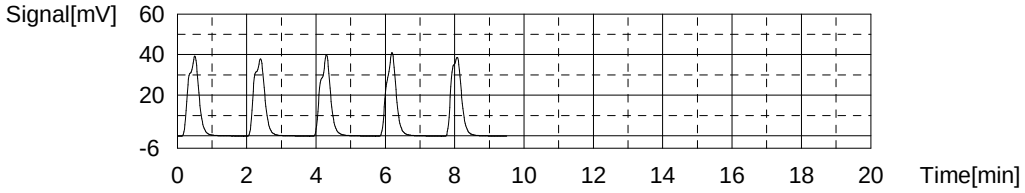
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:44.92mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	82.17	47.85mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 4:48:27 PM
2	80.96	45.63mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:50:31 PM
3	79.35	44.72mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:52:34 PM
4	78.64	44.31mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:54:38 PM
5	79.88	45.02mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 4:56:41 PM

Mean Area 79.71
Mean Conc. 44.92mg/L



Sample

Sample Name: 680-62297-b-5 DU
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

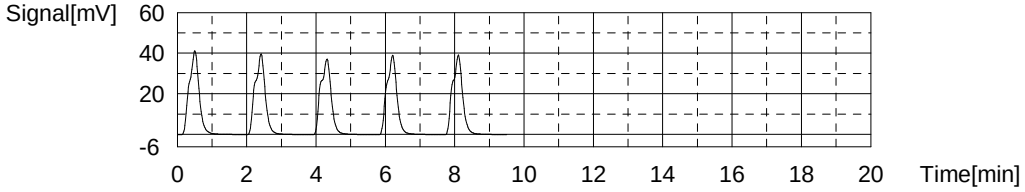
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:44.30mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	81.34	47.36mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 5:03:20 PM
2	80.38	45.30mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:05:23 PM
3	77.60	43.72mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:07:27 PM
4	78.05	43.98mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:09:30 PM
5	78.47	44.22mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:11:34 PM

Mean Area 78.63
Mean Conc. 44.30mg/L



Sample

Sample Name: 680-62308-e-1
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

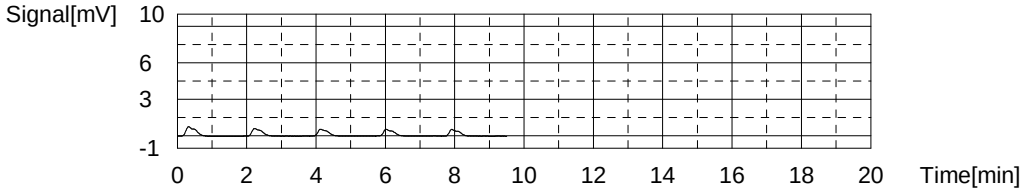
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1751mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.477	0.4076mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 5:21:43 PM
2	1.203	0.2465mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 5:23:47 PM
3	1.070	0.1683mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 5:25:50 PM
4	1.015	0.1360mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 5:27:53 PM
5	1.038	0.1495mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 5:29:57 PM

Mean Area 1.082
Mean Conc. 0.1751mg/L



Sample

Sample Name: 680-62308-e-1 MS
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

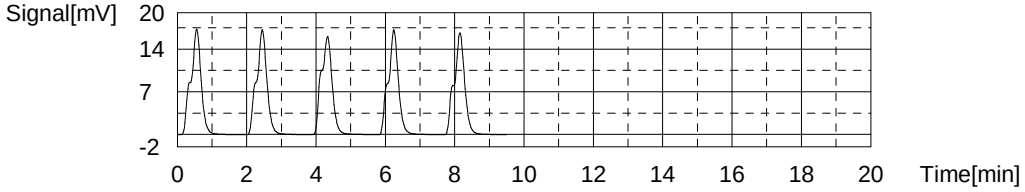
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.65mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.93	20.66mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 5:40:05 PM
2	35.50	19.87mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:42:08 PM
3	34.98	19.57mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:44:11 PM
4	34.91	19.53mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:46:15 PM
5	35.06	19.62mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:48:18 PM

Mean Area 35.11
Mean Conc. 19.65mg/L



Sample

Sample Name: 680-62308-e-1 MSD
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

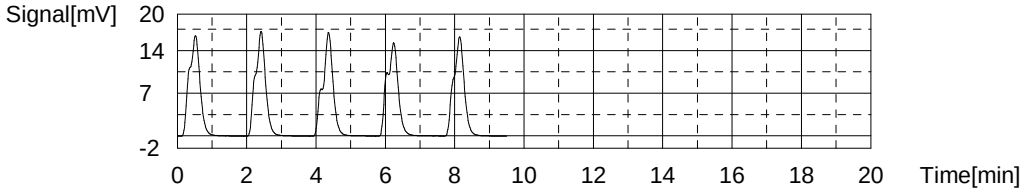
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.32mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.55	20.44mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 5:54:57 PM
2	34.93	19.54mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:57:01 PM
3	34.64	19.38mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 5:59:04 PM
4	34.21	19.14mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 6:01:08 PM
5	34.38	19.23mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 6:03:11 PM

Mean Area 34.54
Mean Conc. 19.32mg/L



Sample

Sample Name: 680-62308-e-2
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

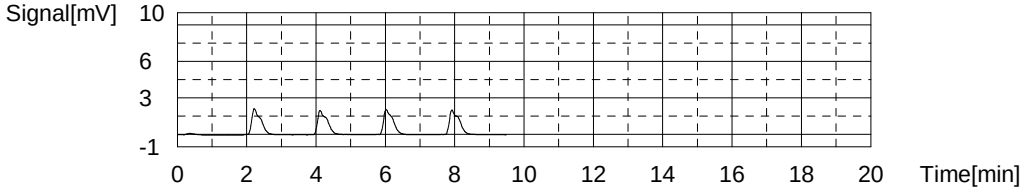
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.740mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.1334	-0.3823mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 6:13:20 PM
2	3.758	1.749mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 6:15:24 PM
3	3.675	1.700mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 6:17:27 PM
4	3.720	1.726mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 6:19:31 PM
5	3.822	1.786mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 6:21:34 PM

Mean Area 3.744
Mean Conc. 1.740mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD6-24
Origin: TOC415.1A.met
Status Completed
Chk. Result

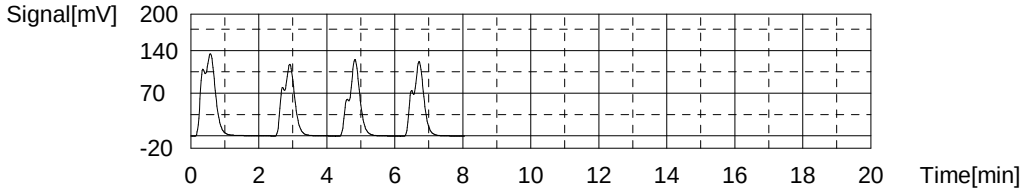
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:192.7mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	361.6	212.1mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 6:32:09 PM
2	281.9	193.7mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/20/2010 6:34:12 PM
3	279.9	192.3mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/20/2010 6:36:16 PM
4	279.6	192.1mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/20/2010 6:38:19 PM

Mean Area 280.5
Mean Conc. 192.7mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

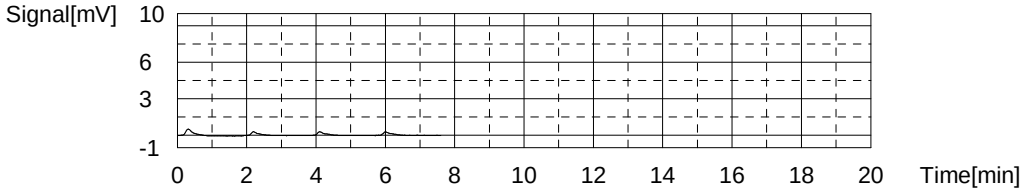
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1965mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.7578	-0.01520mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 6:48:33 PM
2	0.4237	-0.2116mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 6:50:37 PM
3	0.4650	-0.1873mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 6:52:40 PM
4	0.4594	-0.1906mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 6:54:44 PM

Mean Area 0.4494
Mean Conc. -0.1965mg/L



Sample

Sample Name: 680-62308-e-3
Sample ID:
Origin: TOC9060.met
Status Completed
Chk. Result

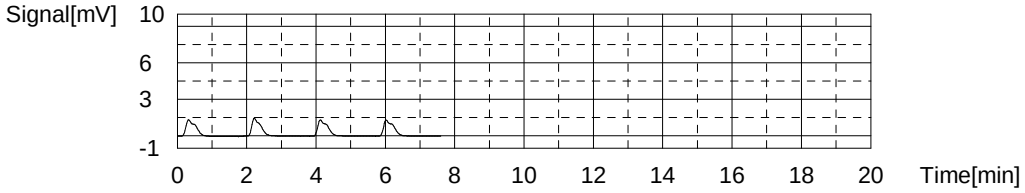
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.026mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.543	1.034mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:04:57 PM
2	2.512	1.016mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:07:00 PM
3	2.535	1.030mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:09:04 PM
4	2.528	1.025mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:11:07 PM

Mean Area 2.530
Mean Conc. 1.026mg/L



Sample

Sample Name: LCS
Sample ID: TV=20PPM
Origin: TOC415.1A.met
Status Completed
Chk. Result

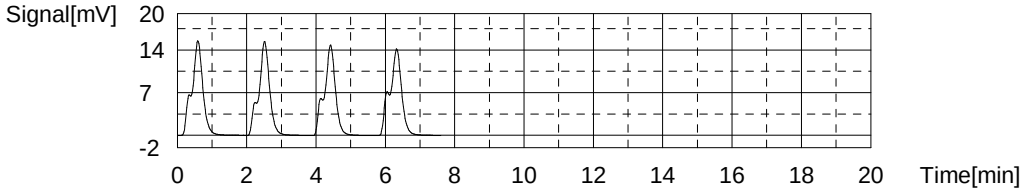
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:18.83mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.31	19.71mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 7:21:25 PM
2	33.61	18.80mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 7:23:29 PM
3	33.35	18.65mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 7:25:32 PM
4	34.03	19.03mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 7:27:35 PM

Mean Area 33.66
Mean Conc. 18.83mg/L



Sample

Sample Name: 680-62288-e-21
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

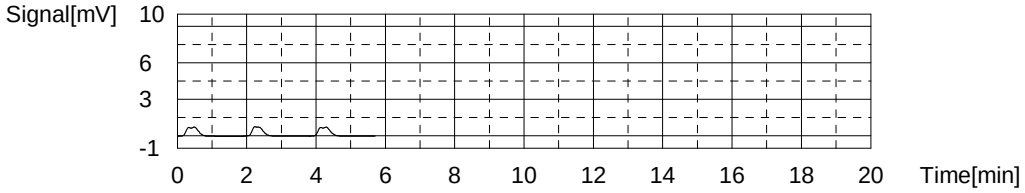
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.4801mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.629	0.4970mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:38:01 PM
2	1.575	0.4652mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:40:04 PM
3	1.597	0.4782mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:42:08 PM

Mean Area 1.600
Mean Conc. 0.4801mg/L



Sample

Sample Name: 680-62288-e-22
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

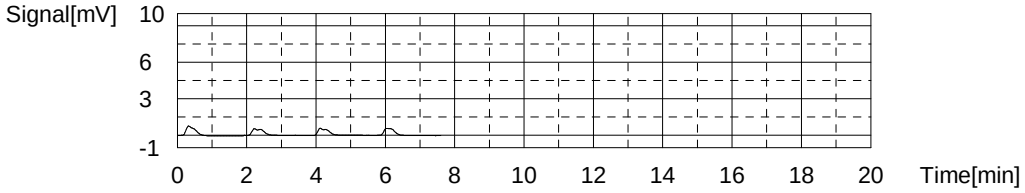
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2405mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.393	0.3582mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 7:52:22 PM
2	1.192	0.2401mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:54:26 PM
3	1.198	0.2436mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:56:29 PM
4	1.188	0.2377mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 7:58:32 PM

Mean Area 1.193
Mean Conc. 0.2405mg/L



Sample

Sample Name: 680-62288-e-23
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

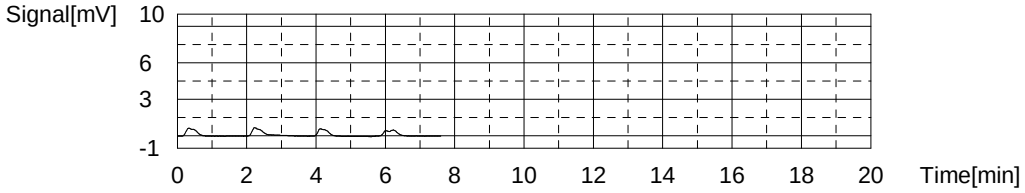
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2369mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.272	0.2871mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:08:46 PM
2	1.391	0.3571mg/L	50uL	1	E	cal10.2010_10_07_11_47_38.cal	10/20/2010 8:10:49 PM
3	1.144	0.2118mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:12:52 PM
4	1.144	0.2118mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:14:56 PM

Mean Area 1.187
Mean Conc. 0.2369mg/L



Sample

Sample Name: 680-62288-e-24
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

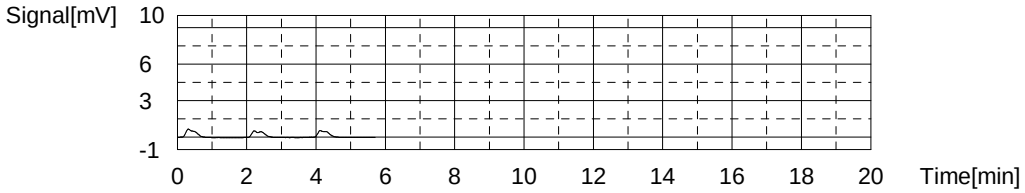
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2363mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.274	0.2883mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:25:09 PM
2	1.151	0.2160mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:27:12 PM
3	1.132	0.2048mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:29:16 PM

Mean Area 1.186
Mean Conc. 0.2363mg/L



Sample

Sample Name: 680-62288-e-25
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

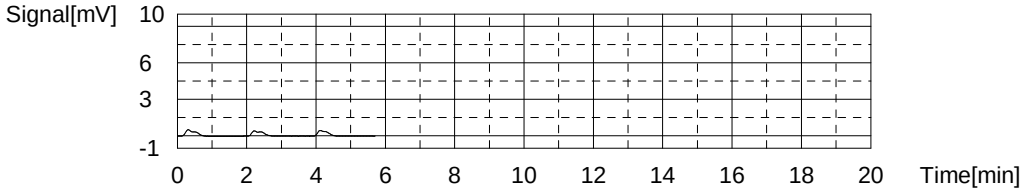
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.08752mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.022	0.1401mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:39:29 PM
2	0.8893	0.06211mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:41:33 PM
3	0.8863	0.06034mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:43:36 PM

Mean Area 0.9325
Mean Conc. 0.08752mg/L



Sample

Sample Name: 680-62288-e-26
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

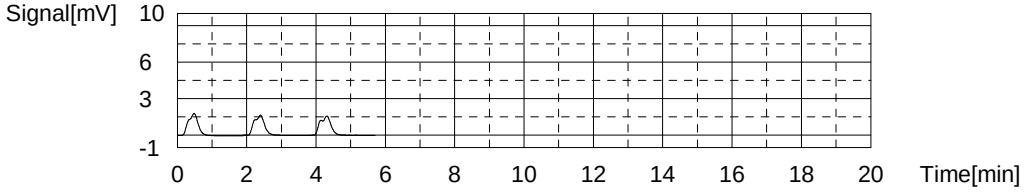
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.564mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.552	1.627mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:53:52 PM
2	3.415	1.547mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:55:55 PM
3	3.364	1.517mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 8:57:59 PM

Mean Area 3.444
Mean Conc. 1.564mg/L



Sample

Sample Name: 680-62288-e-27
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

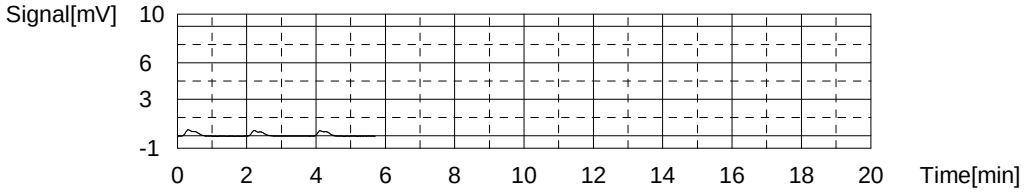
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.09072mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.046	0.1542mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:08:15 PM
2	0.8868	0.06064mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:10:19 PM
3	0.8811	0.05729mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:12:22 PM

Mean Area 0.9380
Mean Conc. 0.09072mg/L



Sample

Sample Name: 680-62288-e-28
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

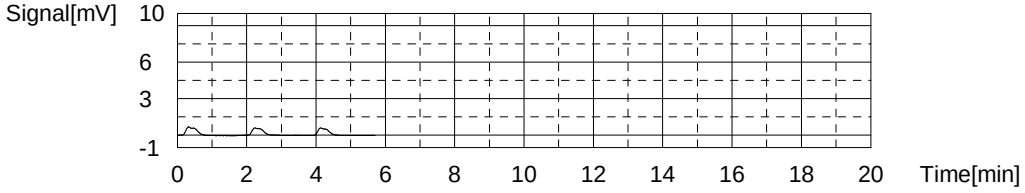
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2851mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.371	0.3453mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:22:38 PM
2	1.223	0.2583mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:24:41 PM
3	1.212	0.2518mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:26:44 PM

Mean Area 1.269
Mean Conc. 0.2851mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD2-23
Origin: TOC415.1A.met
Status Completed
Chk. Result

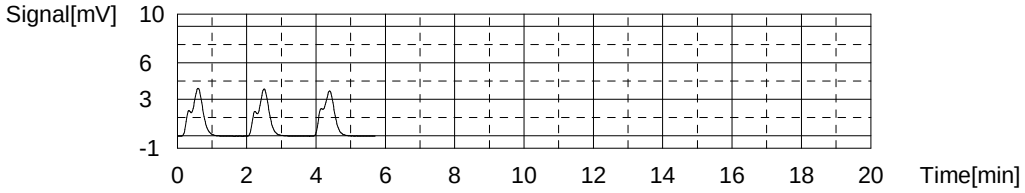
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.927mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	9.353	5.038mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:37:16 PM
2	9.123	4.903mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:39:19 PM
3	9.018	4.841mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:41:23 PM

Mean Area 9.165
Mean Conc. 4.927mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

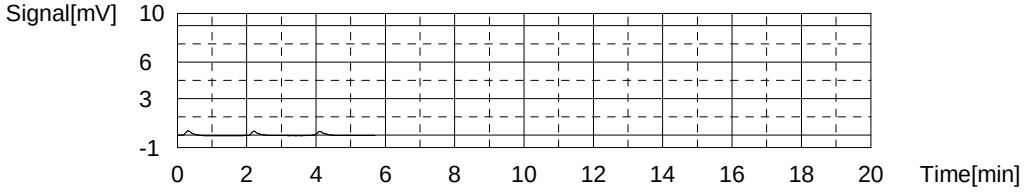
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1932mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4883	-0.1736mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:51:37 PM
2	0.4496	-0.1964mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:53:41 PM
3	0.4272	-0.2096mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 9:55:44 PM

Mean Area 0.4550
Mean Conc. -0.1932mg/L



Sample

Sample Name: 680-62288-e-29
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

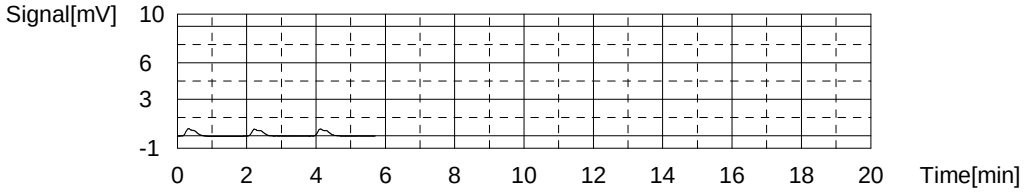
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1997mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.141	0.2101mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:06:00 PM
2	1.111	0.1924mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:08:03 PM
3	1.118	0.1966mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:10:07 PM

Mean Area 1.123
Mean Conc. 0.1997mg/L



Sample

Sample Name: 680-62288-e-29 DU
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

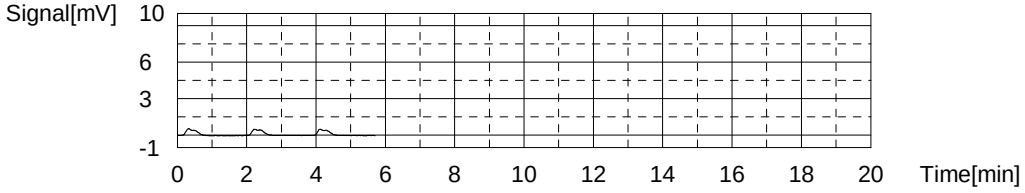
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1774mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.110	0.1919mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:16:50 PM
2	1.092	0.1813mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:18:53 PM
3	1.054	0.1589mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:20:57 PM

Mean Area 1.085
Mean Conc. 0.1774mg/L



Sample

Sample Name: 680-62288-e-30
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

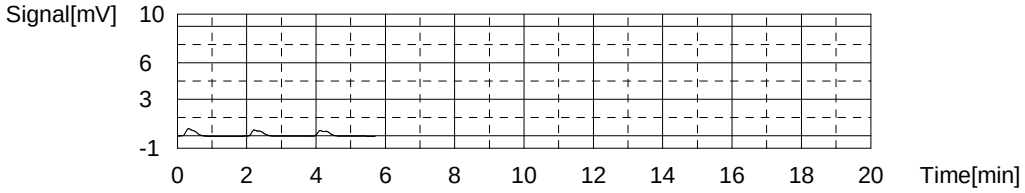
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1316mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.084	0.1766mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:31:14 PM
2	0.9713	0.1103mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:33:18 PM
3	0.9672	0.1079mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:35:22 PM

Mean Area 1.008
Mean Conc. 0.1316mg/L



Sample

Sample Name: 680-62288-e-31
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

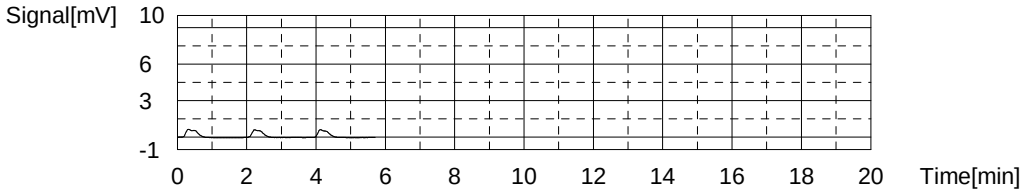
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3157mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.404	0.3647mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:45:38 PM
2	1.278	0.2906mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:47:42 PM
3	1.280	0.2918mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 10:49:45 PM

Mean Area 1.321
Mean Conc. 0.3157mg/L



Sample

Sample Name: 680-62288-e-31 ms
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

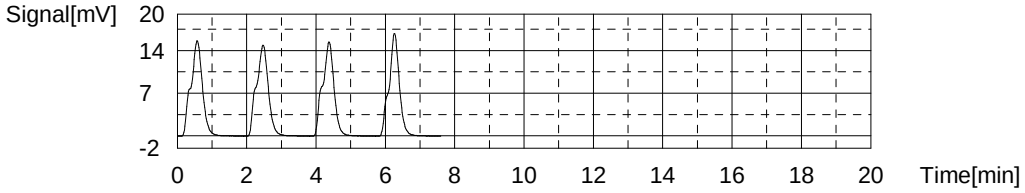
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.62mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	36.04	20.73mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 11:00:01 PM
2	35.40	19.81mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 11:02:04 PM
3	35.11	19.65mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 11:04:08 PM
4	34.70	19.41mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 11:06:11 PM

Mean Area 35.07
Mean Conc. 19.62mg/L



Sample

Sample Name: 680-62288-e-31 msd
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

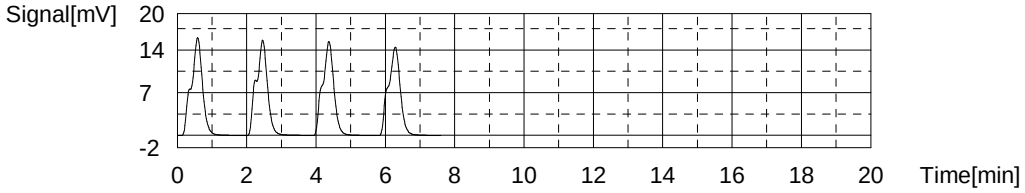
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.42mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.86	20.62mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/20/2010 11:12:55 PM
2	35.14	19.66mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 11:14:59 PM
3	34.55	19.33mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 11:17:02 PM
4	34.44	19.27mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/20/2010 11:19:06 PM

Mean Area 34.71
Mean Conc. 19.42mg/L



Sample

Sample Name: 680-62288-e-32
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

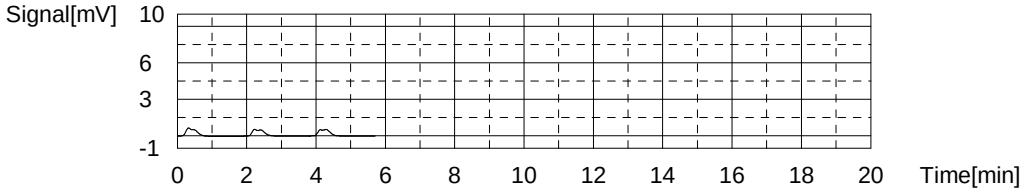
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2718mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.317	0.3135mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:29:20 PM
2	1.209	0.2501mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:31:23 PM
3	1.212	0.2518mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:33:27 PM

Mean Area 1.246
Mean Conc. 0.2718mg/L



Sample

Sample Name: 680-62288-e-33
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

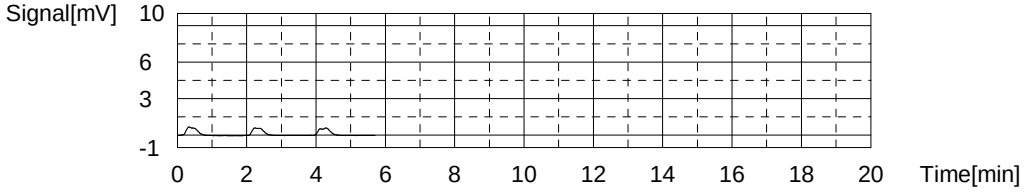
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3310mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.404	0.3647mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:43:42 PM
2	1.311	0.3100mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:45:46 PM
3	1.325	0.3183mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:47:49 PM

Mean Area 1.347
Mean Conc. 0.3310mg/L



Sample

Sample Name: 680-62288-e-34
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

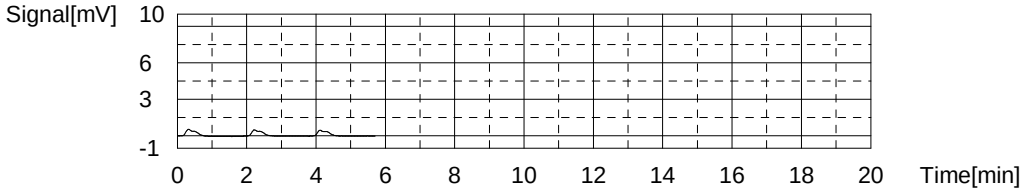
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1171mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.015	0.1360mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/20/2010 11:58:05 PM
2	0.9900	0.1213mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:00:08 AM
3	0.9436	0.09403mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:02:12 AM

Mean Area 0.9829
Mean Conc. 0.1171mg/L



Sample

Sample Name: 680-62288-e-35
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

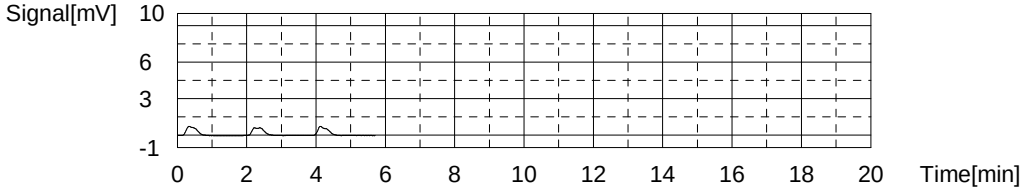
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3872mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.496	0.4188mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:12:27 AM
2	1.424	0.3765mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:14:31 AM
3	1.407	0.3665mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:16:34 AM

Mean Area 1.442
Mean Conc. 0.3872mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD4-23
Origin: TOC415.1A.met
Status Completed
Chk. Result

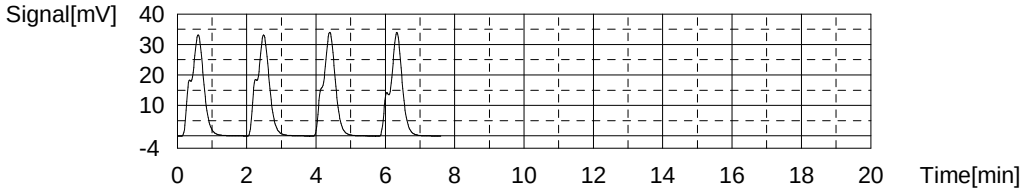
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:46.89mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.44	49.77mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/21/2010 12:27:07 AM
2	83.85	47.27mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/21/2010 12:29:10 AM
3	83.17	46.88mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/21/2010 12:31:14 AM
4	82.55	46.53mg/L	50uL	1		cal100a.2010_10_06_15_22_41.cal	10/21/2010 12:33:17 AM

Mean Area 83.19
Mean Conc. 46.89mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

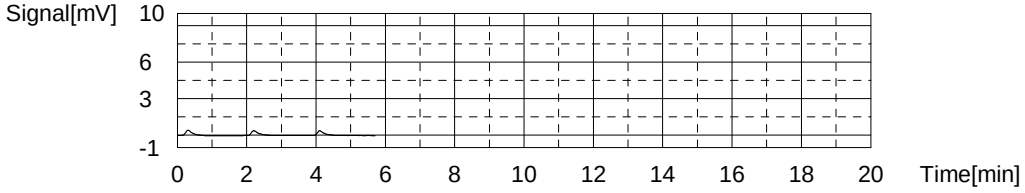
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1420mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5694	-0.1260mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:43:31 AM
2	0.5180	-0.1562mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:45:35 AM
3	0.5390	-0.1438mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:47:38 AM

Mean Area 0.5421
Mean Conc. -0.1420mg/L



Sample

Sample Name: 680-62288-e-36
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

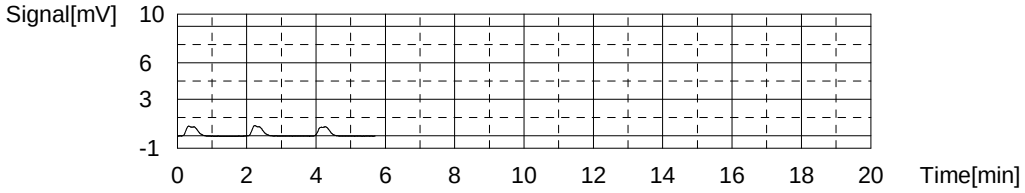
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.5246mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.736	0.5599mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:57:54 AM
2	1.657	0.5134mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 12:59:57 AM
3	1.635	0.5005mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:02:01 AM

Mean Area 1.676
Mean Conc. 0.5246mg/L



Sample

Sample Name: 680-62288-e-37
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

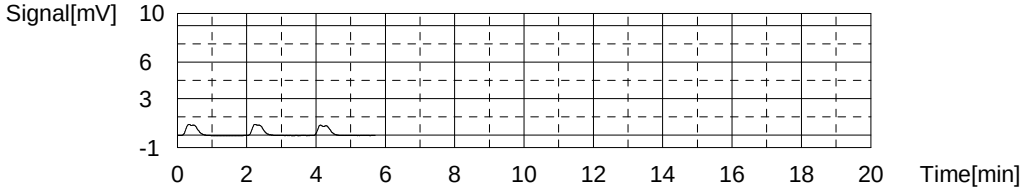
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.6698mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.980	0.7033mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:12:17 AM
2	1.883	0.6463mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:14:21 AM
3	1.906	0.6598mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:16:24 AM

Mean Area 1.923
Mean Conc. 0.6698mg/L



Sample

Sample Name: 680-62288-e-38
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

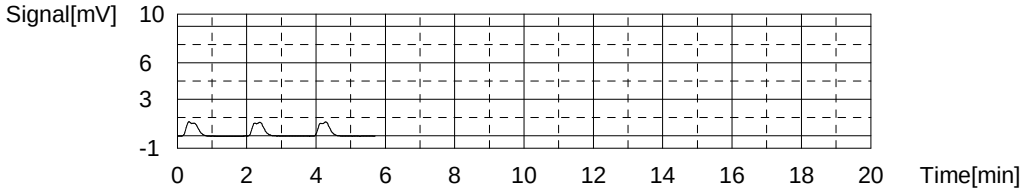
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.011mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.558	1.043mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:26:39 AM
2	2.409	0.9555mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:28:42 AM
3	2.541	1.033mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:30:46 AM

Mean Area 2.503
Mean Conc. 1.011mg/L



Sample

Sample Name: 680-62288-e-39
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

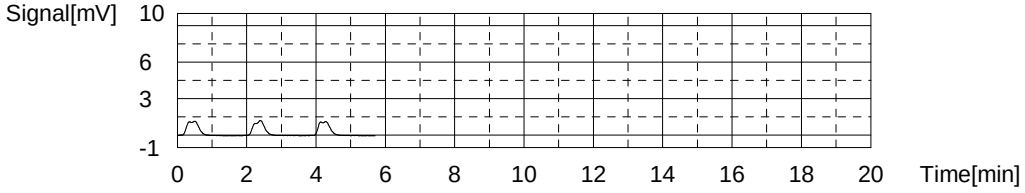
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.068mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.653	1.099mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:41:01 AM
2	2.596	1.065mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:43:05 AM
3	2.550	1.038mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:45:08 AM

Mean Area 2.600
Mean Conc. 1.068mg/L



Sample

Sample Name: 680-62288-e-40
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

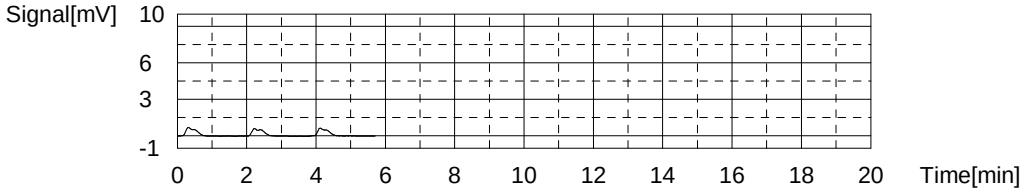
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3177mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.393	0.3582mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:55:23 AM
2	1.315	0.3124mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:57:26 AM
3	1.264	0.2824mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 1:59:30 AM

Mean Area 1.324
Mean Conc. 0.3177mg/L



Sample

Sample Name: CCV
Sample ID: TOCCALSTD6-24
Origin: TOC415.1A.met
Status Completed
Chk. Result

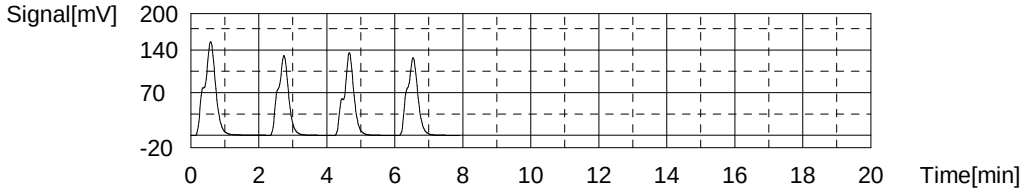
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:191.8mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	358.4	210.2mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/21/2010 2:10:04 AM
2	281.2	193.2mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/21/2010 2:12:08 AM
3	277.5	190.7mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/21/2010 2:14:11 AM
4	278.7	191.5mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/21/2010 2:16:14 AM

Mean Area 279.1
Mean Conc. 191.8mg/L



Sample

Sample Name: CCB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

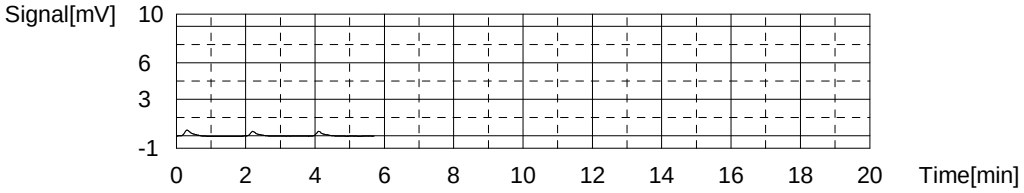
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1226mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.6868	-0.05694mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 2:26:28 AM
2	0.5066	-0.1629mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 2:28:31 AM
3	0.5320	-0.1479mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/21/2010 2:30:34 AM

Mean Area	0.5751
Mean Conc.	-0.1226mg/L



	Sample Name	Sample ID	Dilutio	Result	Status	Date / Time	Vial
1	cal10		1.000		Completed	10/6/2010 3:22:40 PM	1, 2, 4, 5
2	cal100		1.000		Completed	10/6/2010 4:02:46 PM	2, 5, 6, 7
3	cal500		1.000		Completed	10/6/2010 4:42:50 PM	3, 7, 8, 9
4	cal10		1.000		Completed	10/7/2010 12:26:36 PM	1, 2, 3, 4
5	ICV		1.000	NPOC:399.1mg/L	Completed	10/7/2010 12:49:42 PM	10
6	ICB		1.000	!!Failed!! NPOC:-0.1822mg/L	Completed	10/7/2010 1:04:03 PM	11

Instr.Information

System	TOC-VCPNa
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

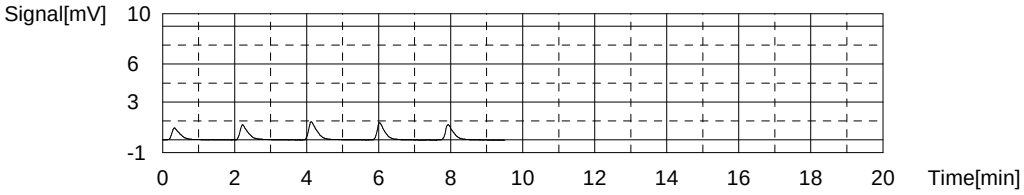
Sample Name:	cal10
Sample ID:	
Cal. Curve:	cal10.2010_10_06_14_37_43.cal
Status	Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.406	50uL	1	*******	E	10/6/2010 2:42:40 PM
2	1.829	50uL	1	*******		10/6/2010 2:44:43 PM
3	2.270	50uL	1	*******	E	10/6/2010 2:46:46 PM
4	1.949	50uL	1	*******		10/6/2010 2:48:49 PM
5	1.848	50uL	1	*******		10/6/2010 2:50:52 PM

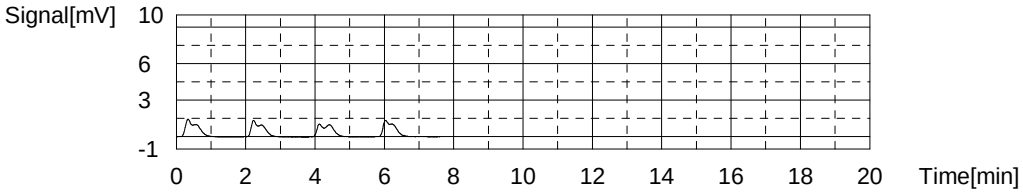
Acid Add.	0.000%
Sp. Time	0.000sec
Mean Area	1.875



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	3.285	50uL	1	*******	E	10/6/2010 2:56:38 PM
2	3.004	50uL	1	*******		10/6/2010 2:58:40 PM
3	2.943	50uL	1	*******		10/6/2010 3:00:43 PM
4	2.993	50uL	1	*******		10/6/2010 3:02:46 PM

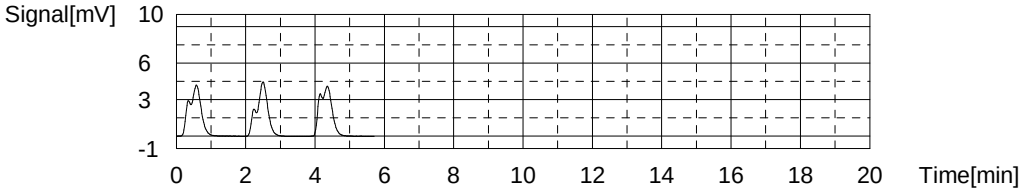
Acid Add.	0.000%
Sp. Time	0.000sec
Mean Area	2.980



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	10.03	50uL	1	*******		10/6/2010 3:08:37 PM
2	9.939	50uL	1	*******		10/6/2010 3:10:40 PM
3	10.17	50uL	1	*******		10/6/2010 3:12:43 PM

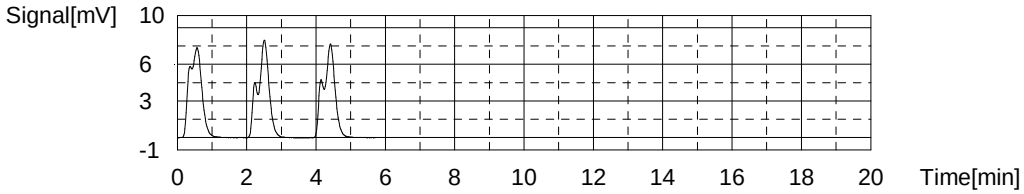
Acid Add.	0.000%
Sp. Time	0.000sec
Mean Area	10.05



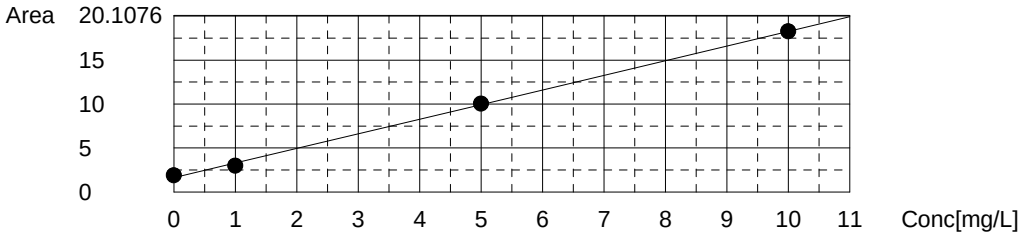
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	18.45	50uL	1	*******		10/6/2010 3:18:34 PM
2	18.23	50uL	1	*******		10/6/2010 3:20:37 PM
3	18.12	50uL	1	*******		10/6/2010 3:22:40 PM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 18.27



Slope: 1.665
Intercept 1.634
r^2 0.999024
r 0.999512
Zero Shift No



Cal. Curve

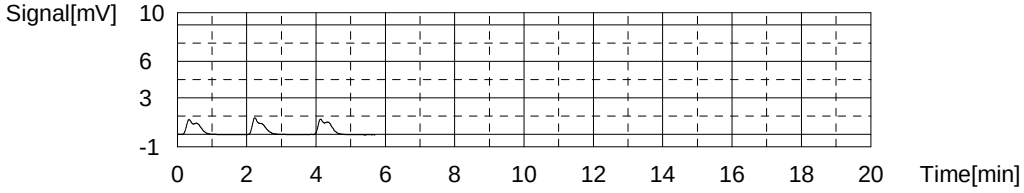
Sample Name: cal100
Sample ID:
Cal. Curve: cal100a.2010_10_06_15_22_41.cal
Status Completed

Type	Anal.
Standard	TC

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.804	50uL	1	*******		10/6/2010 3:28:47 PM
2	2.853	50uL	1	*******		10/6/2010 3:30:50 PM
3	2.930	50uL	1	*******		10/6/2010 3:32:53 PM

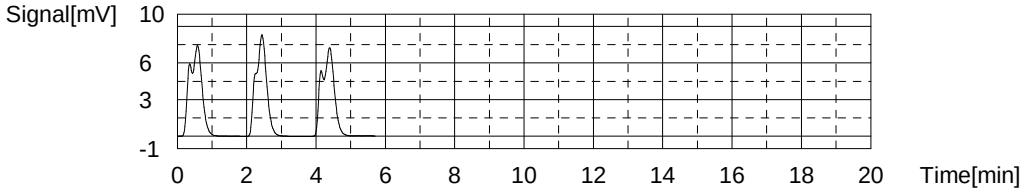
Acid Add. 0.000%
Mean Area 2.862



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	18.42	50uL	1	*******		10/6/2010 3:38:46 PM
2	18.05	50uL	1	*******		10/6/2010 3:40:49 PM
3	18.00	50uL	1	*******		10/6/2010 3:42:51 PM

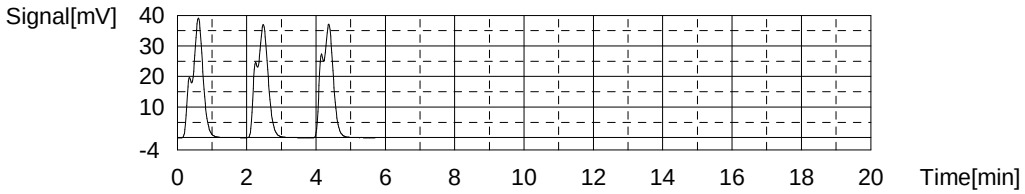
Acid Add. 0.000%
Mean Area 18.16



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	87.50	50uL	1	*******		10/6/2010 3:48:43 PM
2	88.05	50uL	1	*******		10/6/2010 3:50:46 PM
3	86.23	50uL	1	*******		10/6/2010 3:52:49 PM

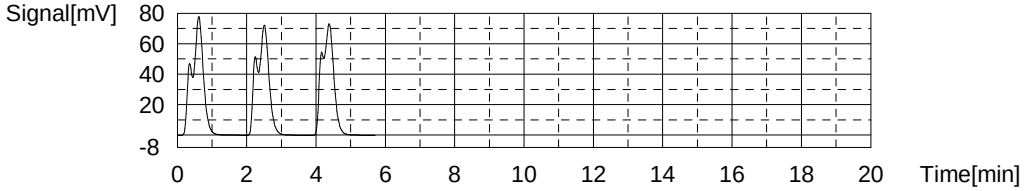
Acid Add. 0.000%
Mean Area 87.26



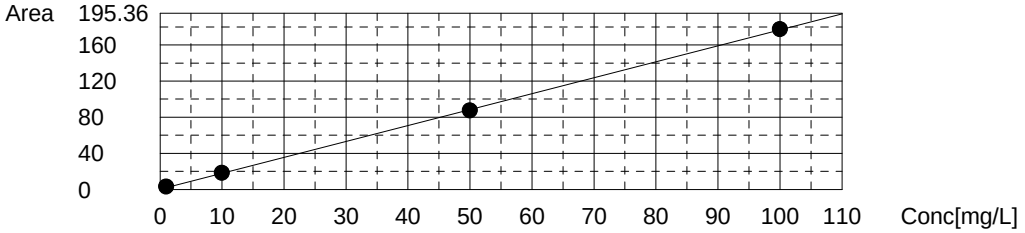
Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	179.0	50uL	1	*******		10/6/2010 3:58:41 PM
2	177.8	50uL	1	*******		10/6/2010 4:00:43 PM
3	176.0	50uL	1	*******		10/6/2010 4:02:46 PM

Acid Add. 0.000%
Mean Area 177.6



Slope: 1.765
Intercept 0.4438
r^2 0.999847
r 0.999924
Zero Shift No



Cal. Curve

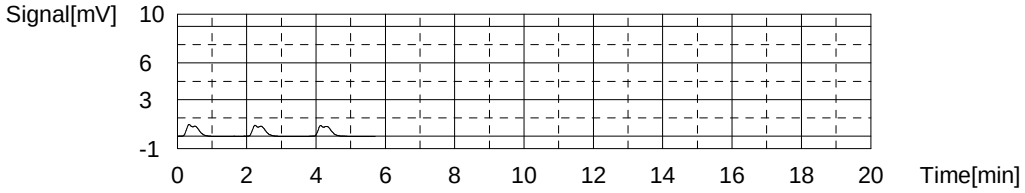
Sample Name: cal500
Sample ID:
Cal. Curve: cal500a.2010_10_06_16_02_46.cal
Status Completed

Type	Anal.
Standard	NPOC

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.127	40uL	1	*******		10/6/2010 4:08:52 PM
2	2.100	40uL	1	*******		10/6/2010 4:10:55 PM
3	2.073	40uL	1	*******		10/6/2010 4:12:58 PM

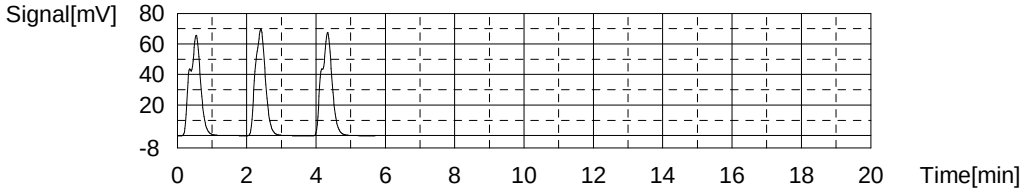
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 2.100



Conc: 100.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	141.1	40uL	1	*******		10/6/2010 4:18:50 PM
2	141.2	40uL	1	*******		10/6/2010 4:20:53 PM
3	140.6	40uL	1	*******		10/6/2010 4:22:56 PM

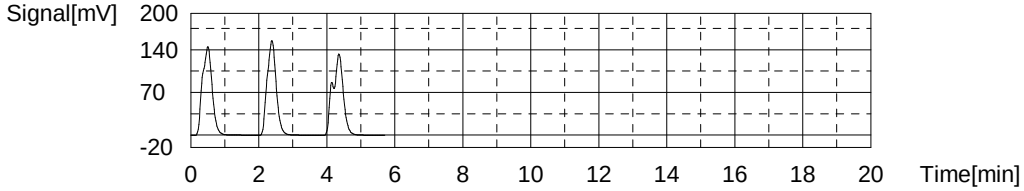
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 141.0



Conc: 200.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	288.9	40uL	1	*******		10/6/2010 4:28:47 PM
2	288.1	40uL	1	*******		10/6/2010 4:30:50 PM
3	287.7	40uL	1	*******		10/6/2010 4:32:53 PM

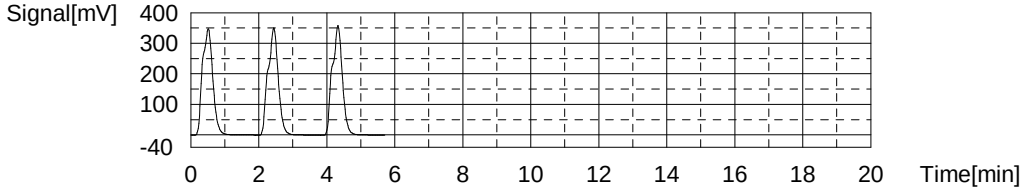
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 288.2



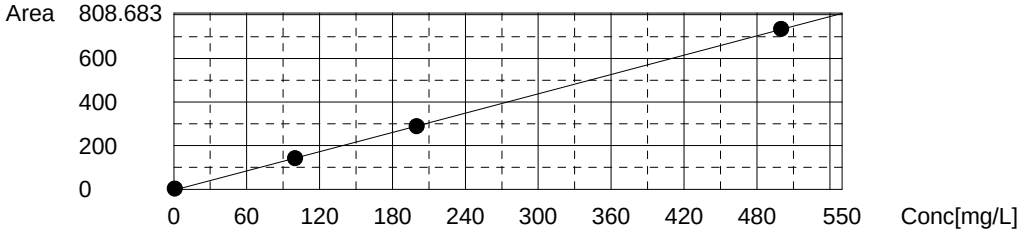
Conc: 500.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	733.8	40uL	1	*******		10/6/2010 4:38:44 PM
2	734.4	40uL	1	*******		10/6/2010 4:40:47 PM
3	737.3	40uL	1	*******		10/6/2010 4:42:50 PM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 735.2



Slope: 1.474
Intercept -3.512
r^2 0.999875
r 0.999938
Zero Shift No



Cal. Curve

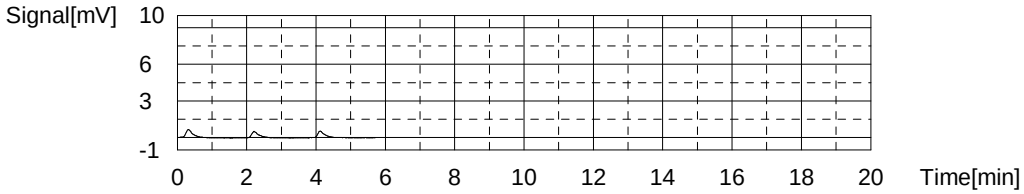
Sample Name: cal10
Sample ID:
Cal. Curve: cal10.2010_10_07_11_47_38.cal
Status Completed

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.8739	50uL	1	*******		10/7/2010 11:52:36 AM
2	0.7139	50uL	1	*******		10/7/2010 11:54:39 AM
3	0.7065	50uL	1	*******		10/7/2010 11:56:42 AM

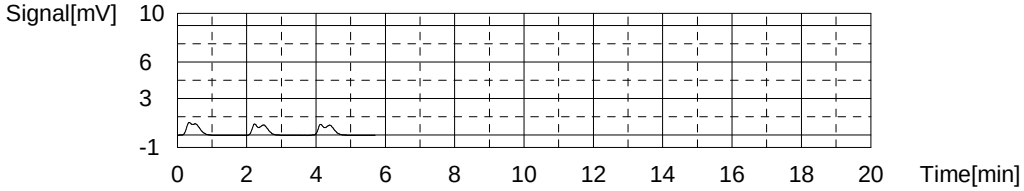
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 0.7648



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.467	50uL	1	*******		10/7/2010 12:02:34 PM
2	2.437	50uL	1	*******		10/7/2010 12:04:37 PM
3	2.345	50uL	1	*******		10/7/2010 12:06:40 PM

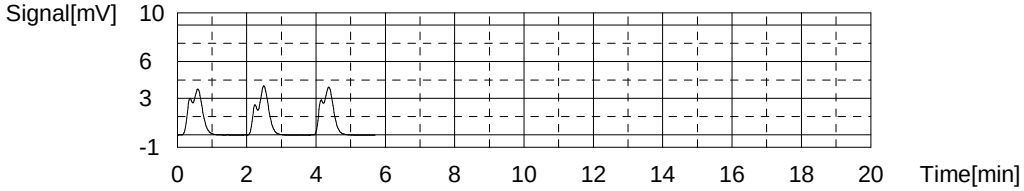
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 2.416



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	9.534	50uL	1	*******		10/7/2010 12:12:32 PM
2	9.425	50uL	1	*******		10/7/2010 12:14:35 PM
3	9.389	50uL	1	*******		10/7/2010 12:16:38 PM

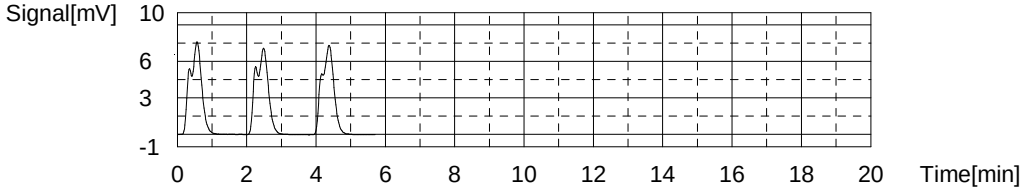
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 9.449



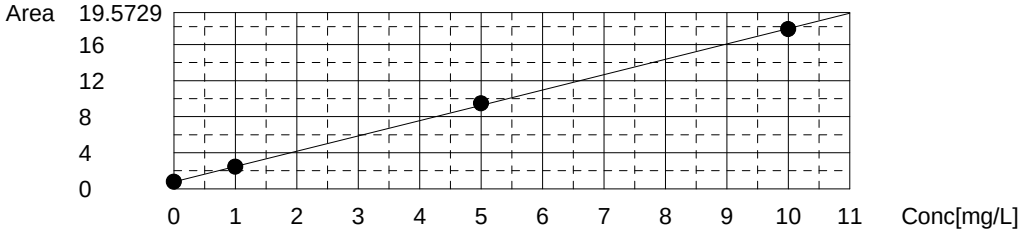
Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	17.72	50uL	1	*******		10/7/2010 12:22:30 PM
2	17.82	50uL	1	*******		10/7/2010 12:24:33 PM
3	17.62	50uL	1	*******		10/7/2010 12:26:36 PM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 17.72



Slope: 1.701
Intercept 0.7837
r^2 0.999798
r 0.999899
Zero Shift No



Sample

Sample Name: ICV
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

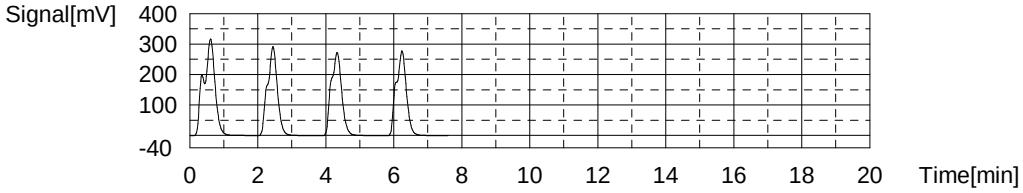
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:399.1mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	742.6	436.1mg/L	50uL	1	R	cal10.2010_10_07_11_47_38.cal	10/7/2010 12:43:32 PM
2	589.4	402.3mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/7/2010 12:45:35 PM
3	583.0	398.0mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/7/2010 12:47:39 PM
4	581.6	397.0mg/L	40uL	1		cal500a.2010_10_06_16_02_46.cal	10/7/2010 12:49:42 PM

Mean Area 584.7
Mean Conc. 399.1mg/L



Sample

Sample Name: ICB
Sample ID:
Origin: TOC415.1A.met
Status Completed
Chk. Result

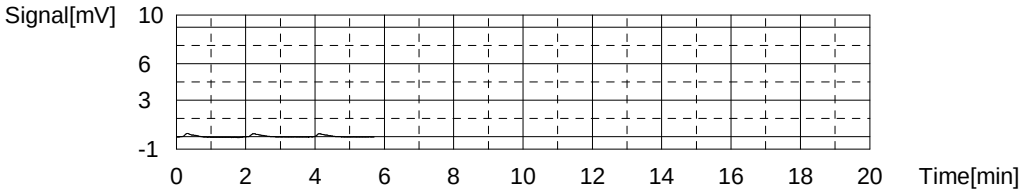
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	!!Failed!! NPOC:-0.1822mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.4763	-0.1807mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/7/2010 12:59:57 PM
2	0.4807	-0.1781mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/7/2010 1:02:00 PM
3	0.4643	-0.1877mg/L	50uL	1		cal10.2010_10_07_11_47_38.cal	10/7/2010 1:04:03 PM

Mean Area 0.4738
Mean Conc. -0.1822mg/L



General Chemistry Worksheet

Batch Number: 680-183145
Method: Moisture
Analyst: Swafford, Frances

Date Open: Oct 17 2010 1:49PM
Batch End: Oct 18 2010 4:02PM

Lab ID	Client ID	Method Chain	Basis	Dish ID	Empty Dish Weight	Mass of wet Sample	Mass of Dry Sample
680-61976-D-2			T	NA	1.27 g	12.27 g	11.55 g
680-62145-A-1	WC-B82-GTM-05	Moisture	T	NA	1.26 g	12.02 g	10.05 g
680-62068-D-1			T	NA	1.27 g	12.99 g	11.55 g
680-62068-D-2			T	NA	1.27 g	11.73 g	10.76 g
680-62068-D-3			T	NA	1.27 g	12.74 g	10.34 g
680-62068-D-4			T	NA	1.27 g	11.33 g	10.46 g
680-62080-E-44			T	NA	1.27 g	11.41 g	10.26 g
680-62080-E-49			T	NA	1.27 g	12.05 g	10.69 g
680-62092-A-1			T	NA	1.27 g	14.49 g	13.13 g
680-62092-A-2			T	NA	1.27 g	11.61 g	10.63 g
680-62092-B-3			T	NA	1.27 g	11.85 g	9.55 g
680-62092-A-4			T	NA	1.27 g	12.90 g	11.90 g
680-62092-A-5			T	NA	1.26 g	11.72 g	9.49 g
680-62092-A-6			T	NA	1.27 g	12.11 g	11.11 g
680-62092-A-7			T	NA	1.27 g	12.68 g	10.24 g
680-62092-A-8			T	NA	1.26 g	13.60 g	12.65 g
680-62016-A-1			T	NA	1.27 g	9.93 g	9.85 g
680-62001-B-1			T	NA	1.27 g	13.76 g	12.16 g
680-62001-A-2			T	NA	1.27 g	13.87 g	12.01 g

Balance ID:	19 No Unit
Date samples were place in the oven:	10.17.10
Time samples were place in the oven:	13:49
Oven Temp when samples are put in oven:	110 Degrees C
Date samples were removed from oven:	10/18/10
Time Samples were removed from oven:	16:02
Oven Temp when samples removed from oven:	107 Degrees C
Oven ID:	MEO 1
ID number of the thermometer:	ME02-A

General Chemistry Worksheet

Batch Number: 680-183618
Method: 9060
Analyst: Blackshear, Kim

Date Open: Oct 20 2010 11:52AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	TOC CALSTK_00012	TOC LCS_00043
MB~680-183618/1		9060A		25 mL	25		
LCS~680-183618/2		9060A		25 mL	25		25 mL
680-62145-A-2	WC-B82-GP-01	9060A	T	25 mL	25		
460-17986-D-1			T	25 mL	25		
460-17986-D-2			T	25 mL	25		
460-17986-D-3			T	25 mL	25		
460-17986-D-4			T	25 mL	25		
460-17986-D-5			T	25 mL	25		
460-18215-D-1			T	25 mL	25		
460-18215-D-3			T	25 mL	25		
460-18215-D-4			T	25 mL	25		
460-18215-D-5			T	25 mL	25		
680-62297-B-3			T	25 mL	25		
680-62297-B-4			T	25 mL	25		
680-62297-B-5			T	25 mL	25		
680-62297-B-5~DU		9060A	T	25 mL	25		
680-62308-E-1			T	25 mL	25		
680-62308-E-1~MS		9060A	T	25 mL	25	0.25 mL	
680-62308-E-1~MSD		9060A	T	25 mL	25	0.25 mL	
680-62308-E-2			T	25 mL	25		
680-62308-E-3			T	25 mL	25		

HCl Vendor: Mallinckrodt
Lot # of hydrochloric acid: 50% HCl-0006

General Chemistry Worksheet

Batch Number: 680-183618
Method: 9060
Analyst: Blackshear, Kim

Date Open: Oct 20 2010 11:52AM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~680-183618/1		9060A		
LCS~680-183618/2		9060A		
680-62145-A-2	WC-B82-GP-01	9060A	T	
460-17986-D-1			T	
460-17986-D-2			T	
460-17986-D-3			T	
460-17986-D-4			T	
460-17986-D-5			T	
460-18215-D-1			T	
460-18215-D-3			T	
460-18215-D-4			T	
460-18215-D-5			T	
680-62297-B-3			T	
680-62297-B-4			T	
680-62297-B-5			T	
680-62297-B-5~DU		9060A	T	
680-62308-E-1			T	
680-62308-E-1~MS		9060A	T	
680-62308-E-1~MSD		9060A	T	
680-62308-E-2			T	
680-62308-E-3			T	

Batch Comment: na

Chain Of Custody Form

TA-6A

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 1.3
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: 106-2282 Proj. Name: NAS SOWEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 68000 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
WC-B82-GTM-05	10/7/10	1600	RCRA 8 Metals		X						S	1	g		68000-1
⊥	⊥	⊥	TCLP RCRA 8 - Hold		X						S	1	g		
WC-B82-GP-01	10/8/10	1345	RCRA 8 Metals			X					GW	1	pl		-2
			TCLP RCRA 8 - Hold		X						⊥	1	pl		
⊥	⊥	⊥	TOC				X					2	g		

Received By: Time: Date:
Received By: UPS Time: 1608 Date: 10/12/10
Received By: Bryan Doughty Time: 1040 Date: 10.13.10
Relinquished By Sampler: Time: Date:
Relinquished By: Lisa Trufflet UPS
Relinquished By: UPS

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒
*Fee may apply; lab approval required

Comments / Instructions:

Please reference Station ID number and AEL Lab number on report(s).

Method Type: (RCRA) NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☒ DOD* ☒ Level IV*
☐ Standard

State:
☐ NH
☒ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required: (Y*) N
Type: TTEC EDD

Page 1 of 1

Analytics\AEL Documents\AEL COC

680-62145

CHAIN OF CUSTODIES

TETRA TECH ~~NUS, INC.~~ ECINC.

CHAIN OF COSTODY

NUMBER № 027611

PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
106-2282	NAS SOWEY	BRIAN CORBETT	617-443-7500	ANALYTICS
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS 195 COMMERCE WAY SUITE E
RCLaydon		RICHARD CLAYDON	857-272-2020	
		CARRIER/WAYBILL NUMBER		CITY, STATE PORTSMOUTH, NH 03801

STANDARD TAT ☑
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	VOC	METALS	PCBs	TCLP	TPH	VOC	SVOC/PEST	TOC	PH/REACT/FLASH	68000 COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G	G	G	G	G	G	G	P	
PRESERVATIVE USED									MeOH	4°C	4°C	4°C	HCl	4°C	H_2SO_4	4°C		
10/7	1600	WC-B82-GTM-05	–	–	–	SO	C	5	✓	✓	–	✓						HOLD TCLP -1
10/8	1345	WC-B82-GP-01*	–	–	–	W	C		✓	✓	✓	✓	✓	✓	✓	✓		HOLD TCLP -2
		TRIP BLANK				AQ	N/A	1										-3
		TRIP BLANK				S	N/A	1										-4 ~~-3~~ ~~-4~~ CP 10/8/10

CP 10/8/10

*client added specific conductance analysis -email 10/13/10 B. Corbett

1. RELINQUISHED BY	DATE	TIME	1. RECEIVED BY	DATE	TIME
RCLaydon	10/8/10	1423	[signature]	10/08/10	14:23
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS
All amber liters (–) for clusing KI paper. Metals pH of AQ = 2.0 and TPH amber liter = 2.0 CP 10/8/10
Cooler temp = 2.0°C

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 68000 COOLER NUMBER: _____

CLIENT: TTEC NUMBER OF COOLERS: 1

PROJECT: NAS Sonley DATE RECEIVED: 10/8/10

A: PRELIMINARY EXAMINATION: DATE COOLER OPENED: 10/8/10

1. Cooler received by(initials): IA Date Received: 10/8/10

2. Circle one: Hand delivered (If so, skip 3) Shipped

3. Did cooler come with a shipping slip? Y N/A

3a. Enter carrier name and airbill number here: _____

4. Were custody seals on the outside of cooler? Y N
How many & where: _____ Seal Date: _____ Seal Name: _____

5. Did the custody seals arrive unbroken and intact upon arrival? Y N/A

6. COC#: NO. 027611

7. Were Custody papers filled out properly (ink,signed, etc)? Y N

8. Were custody papers sealed in a plastic bag? Y N

9. Did you sign the COC in the appropriate place? Y N

10. Was the project identifiable from the COC papers? Y N

11. Was enough ice used to chill the cooler? Y N Temp. of cooler: 2.0°

B. Log-In: Date samples were logged in: 10/8/10 By: CP

12. Type of packing in cooler(bubble wrap, popcorn) Y N

13. Were all bottles sealed in separate plastic bags? Y N

14. Did all bottles arrive unbroken and were labels in good condition? Y N

15. Were all bottle labels complete(ID,Date,time,etc.) Y N

16. Did all bottle labels agree with custody papers? Y N

17. Were the correct containers used for the tests indicated: Y N

18. Were samples received at the correct pH? TPH AQ = 2.0, Metals AQ = 2.0 Y N

19. Was sufficient amount of sample sent for the tests indicated? Y N

20. Were bubbles absent in VOA samples? Y N

If NO, List Sample ID's and Lab #s: All 4 VOA's for 8260 have larger than pea-size bubbles due to sediment

21. Laboratory labeling verified by (initials): mg Date: 10810

Chain Of Custody Form

TA-6A

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: 106-2282 Proj. Name: NAS SOWEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 68000 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
WC-B82-GTM-05	10/7/10	1600	RCRA 8 Metals		X						S	1	g		68000-1
⊥	⊥	⊥	TCLP RCRA 8 - Hold		X						S	1	g		
WC-B82-GP-01	10/8/10	1345	RCRA 8 Metals			X					GW	1	pl		-2
⊥	⊥	⊥	TCLP RCRA 8 - Hold		X						⊥	1	pl		
			TOC				X					2	g		

Received By: Time: Date:
Received By: Time: 16:08 Date: 10/12/10
Received By: Time: Date:

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒
*Fee may apply; lab approval required

Comments / Instructions:

Please reference Station ID number and AEL Lab number on report(s).

Method Type: (RCRA) NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☒ DOD* ☒ Level IV*
☐ Standard

State:
☐ NH
☒ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)

EDD Required: (Y*) N
Type: TTEC EDD

Relinquished By Sampler:
Relinquished By: Lisa Tantfed
Relinquished By:

Analytics\AEL Documents\AEL COC

Page 1 of 1

From: "Corbett, Brian" <Brian.Corbett@tetratech.com>
Subject: **RE: So Weymouth / waste characterization samples (68000)**
Date: October 13, 2010 12:21:49 PM EDT
To: Kate Zaleski <kzaleski@analyticslab.com>
Cc: "Craigie, Keir" <Keir.Craigie@tetratech.com>

yes please...please add this to COC thanks

Brian D. Corbett I Project Manager
Direct: 617.443.7517 Cell: 617.470.8651
brian.corbett@tteci.com

Tetra Tech EC I Engineering
160 Federal Street, 3rd floor I Boston, MA 02110 I www.tetratech.com

PLEASE NOTE: This message, including any attachments, may include confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.
Think Green - Not every email needs to be printed.

-----Original Message-----
From: Kate Zaleski [mailto:kzaleski@analyticslab.com]
Sent: Tuesday, October 12, 2010 4:11 PM
To: Corbett, Brian
Subject: So Weymouth / waste characterization samples (68000)

Hi Brian,
I was reviewing the login for the samples we received on Fri (I emailed you the COC on Fri) and I discovered that Richard did not request specific conductance on the COC. Would you like the analysis? We have a bottle for it, as I included it in the bottle order since it's in the contract and you and I discussed it on the phone; however, it was not requested. Let me know.

Thanks,
Kate

Kate Zaleski
Project Manager
Analytics Environmental Lab, LLC
195 Commerce Way, Suite E
Portsmouth, NH 03801
phone: (603) 436-5111
fax: (603) 430-2151
kzaleski@analyticslab.com

ANALYTICAL REPORT

Job Number: 680-62043-2

SDG Number: 67967

Job Description: NAS SOWEY 106-2282

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
12/7/2010 5:01 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
12/07/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-2
Sdg Number: 67967

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010B	
TCLP Extraction	TAL SAV		SW846 1311
Preparation, Total Metals	TAL SAV		SW846 3010A

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-2
Sdg Number: 67967

Method	Analyst	Analyst ID
SW846 6010B	Bland, Brian	BCB

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-2
Sdg Number: 67967

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-62043-4	WC-B82-GTM-02	Solid	10/06/2010 0740	10/08/2010 0950

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-2
Sdg Number: 67967

Client Sample ID: **WC-B82-GTM-02**

Lab Sample ID: 680-62043-4
Client Matrix: Solid

Date Sampled: 10/06/2010 0740
Date Received: 10/08/2010 0950

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 680-188204		Instrument ID:	ICPD
Preparation:	3010A	Prep Batch: 680-187799		Lab File ID:	12610.chr
Dilution:	1.0	Leachate Batch: 680-187465		Initial Weight/Volume:	5 mL
Date Analyzed:	12/06/2010 2156			Final Weight/Volume:	50 mL
Date Prepared:	12/02/2010 1750				
Date Leached:	11/29/2010 1700				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Lead		0.20	U	0.20	0.20

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62043-2
Sdg Number: 67967

Lab Section	Qualifier	Description
Metals		
	U	Undetected at the Limit of Detection.

Chain Of Custody Form

TA - GA

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Lab Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: 106-2282 Proj. Name: NAS-SOWEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO#67967 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type	pH	Analytics Sample #
WC-B82-DC-01	10/6/10	715	RCRA 8 Metals/Sp. Cond. /TOC		X						S	3 G		67967 -1
WC-B82-APN-01		720	RCRA 8 Metals/Sp. Cond. /TOC		X						S	G		-2
WC-B82-GTM-01		730	RCRA 8 Metals/Sp. Cond. /TOC		X						S	G		-3
WC-B82-GTM-02		740	RCRA 8 Metals/Sp. Cond. /TOC		X						S	G		-4

KB 10/7/10

Received By: | Time: | Date:
Relinquished By Sampler: | Time: | Date:

Received By: GS Time: 5:00 Date: 10/7/10
Relinquished By: GS

Received By: Frances Griffin Time: 09:50 Date: 10/8/10
Relinquished By:

Email Results to:
mgulli@analyticslab.com
cpayne@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒ 10 Days 10/20/10
*Fee may apply; lab approval required

Comments / Instructions:

Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☐ DOD* ☒ Level IV*
☐ Standard

State:
☐ NH
☒ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required: Y* N
Type: TTEC EDD

Analytics\AEL Documents\AEL COC

Page 1 of 1

3.1
680-62043 62043

12/07/2010

ANALYTICAL REPORT

Job Number: 680-62145-2

SDG Number: 68000

Job Description: 106-2282 NAS SOWEY

For:
Analytics Environmental Laboratory, LLC
195 Commerce Way
Suite E
Portsmouth, NH 03801

Attention: Ms. Melissa Gulli

Approved for release.
Abbie G Yant
Project Manager I
12/7/2010 3:09 PM

Abbie G Yant
Project Manager I
abbie.yant@testamericainc.com
12/07/2010

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

METHOD SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-2
Sdg Number: 68000

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Metals (ICP)	TAL SAV	SW846 6010B	
TCLP Extraction	TAL SAV		SW846 1311
Preparation, Total Metals	TAL SAV		SW846 3010A

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-2
Sdg Number: 68000

Method	Analyst	Analyst ID
SW846 6010B	Bland, Brian	BCB

SAMPLE SUMMARY

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-2
Sdg Number: 68000

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-62145-1	WC-B82-GTM-03	Solid	10/07/2010 1600	10/13/2010 1040

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-2
Sdg Number: 68000

Client Sample ID: **WC-B82-GTM-03**

Lab Sample ID: 680-62145-1
Client Matrix: Solid

Date Sampled: 10/07/2010 1600
Date Received: 10/13/2010 1040

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 680-183400		Instrument ID:	ICPD
Preparation:	3010A	Prep Batch: 680-183180		Lab File ID:	183180.chr
Dilution:	1.0	Leachate Batch: 680-183026		Initial Weight/Volume:	5 mL
Date Analyzed:	10/19/2010 0447			Final Weight/Volume:	50 mL
Date Prepared:	10/18/2010 1029				
Date Leached:	10/14/2010 1540				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chromium		0.20	U	0.20	0.20
Lead		7.3		0.20	0.20

DATA REPORTING QUALIFIERS

Client: Analytics Environmental Laboratory, LLC

Job Number: 680-62145-2
Sdg Number: 68000

Lab Section	Qualifier	Description
Metals		
	U	Undetected at the Limit of Detection.

Chain Of Custody Form

TA-6A

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 1.3
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: 106-2282 Proj. Name: NAS SOWEY
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 68000 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract
X = Other

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
WC-B82-GTM-05	10/7/10	1600	RCRA 8 Metals		X						S	1	g		68000-1
⊥	⊥	⊥	TCLP RCRA 8 - Hold		X						S	1	g		
WC-B82-GP-01	10/8/10	1345	RCRA 8 Metals			X					GW	1	pl		-2
⊥	⊥	⊥	TCLP RCRA 8 - Hold		X						⊥	1	pl		
			TOC				X					2	g		

Preservation

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒
*Fee may apply; lab approval required

Comments / Instructions:

Please reference Station ID number and AEL Lab number on report(s).

Method Type: (RCRA) NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☒ DOD* ☒ Level IV*
☐ Standard

State:
☐ NH
☒ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required: (Y*) N
Type: TTEC EDD

	Relinquished By Sampler:	Relinquished By:	Received By:
Date:		Date: 10/12/10	Date: 10.13.10
Time:		Time: 1608	Time: 1040
		Relinquished By: UPS	Received By: Ruth Gaughey
			Received By: UPS

Page 1 of 1

680-62145

Analytics\AEL Documents\AEL COC

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67494

Analysis Summary:

TAL Metals	2/Soil Samples/FDS-6, FDS-5
VOCs/VPH/EPH Parameters	6/Soil Samples/MW200-1, MW200-2, MW200-3,MW200-4, FDS-6, FDS-5,
Pesticides	1/Soil Sample/FDS-5

A Tier II data validation was performed on the analytical data for six (6) soil samples collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of these samples was to determine the nature and extent of metals, VPH, EPH and pesticide contamination in the FDS area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH except for the metals analyses which were performed by TestAmerica Savannas of Savannah, GA under subcontract to Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
*	Initial and Continuing Calibrations
	Blank Samples
*	Surrogate Compounds
*	Internal Standards
NA	Field Duplicate Samples
	Laboratory Control Samples
*	Laboratory Duplicate Samples
	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

The parameters include the following methods:

Soil Analytical Parameters:

Pesticides SW-846 Method 8081A

Laboratory Project No. 67494

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals, VPH, EPH and pesticide contamination in the FDS area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for the project objectives as qualified in the tables below.

Metals Analysis

Blanks

Laboratory batch blank samples had detections for cobalt (0.121 mg/kg) and an instrument blank had detections for beryllium (0.230 ug/L). The positive results for cobalt and beryllium are significantly above the blank contamination levels and no qualifications are required.

Matrix Spikes

The matrix spike samples had high recoveries for aluminum, iron, calcium, magnesium and manganese. The post digestion spike had low recoveries for aluminum and iron. The sample concentrations for aluminum, calcium, and iron are significantly higher than the spike amounts. The sample concentrations for magnesium and manganese are 3 times or more the spike amounts. Sample results for magnesium and manganese should be qualified as estimated (J) due to the potential high bias in the reported results.

Pesticides Analysis

Matrix Spikes

The percent difference between the matrix spike and the matrix spike duplicate samples is greater than 35% for the spiked pesticide compounds. The non-detect results for all of the pesticide compounds reported are qualified as estimated (J) due to poor precision between the matrix spike samples.

VOCs

Blanks

The trip blank sample had detections for methylene chloride (14 ug/kg). The positive result in sample FDS-6 is qualified as non-detect due to the potential false positive from blank contamination.

Laboratory control samples

Laboratory Project No. 67494

One laboratory control sample had high recoveries for methyl ethyl ketone (133%) and naphthalene (133%). None of the field samples had positive reported results for methyl ethyl ketone or naphthalene and no qualifications are required.

Summary

The Tier II data validation of the analytical data from Laboratory Project No. 67494 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2010
Building 82
Data Validation Report

Laboratory Project No. 67495

Analysis Summary:

TAL Metals	4/Soil Samples/FDS4-1, FDS4-2, FDS4-3, FDS4-4 1/Field Duplicate/FDS4-3-D

A Tier II data validation was performed on the analytical data for four (4) soil samples and one (1) field duplicate sample collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of these samples was to determine the nature and extent of metals contamination in the FDS area of the site. The analyses were performed by TestAmerica Savannas of Savannah, GA under subcontract to Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
*	Initial and Continuing Calibrations
	Blank Samples
*	Field Duplicate Samples
*	Laboratory Control Samples
*	Laboratory Duplicate Samples
	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals contamination in the FDS area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for the project objectives as qualified in the tables below.

TAL Metals Analysis

Laboratory Project No. 67495

Blanks

A laboratory batch blank samples had detections for cobalt (0.121 mg/kg) and an instrument blank had detections for beryllium (0.230 ug/L). The positive results for cobalt and beryllium are significantly above the blank contamination levels and no qualifications are required.

Matrix Spikes

The matrix spike samples had high recoveries for aluminum, iron, calcium, magnesium and manganese. The post digestion spike had low recoveries for aluminum and iron. The sample concentrations for aluminum, calcium, and iron are significantly higher than the spike amounts. The sample concentrations for magnesium and manganese are 3 times or more the spike amounts. Sample results for magnesium and manganese should be qualified as estimated (J) due to the potential high bias in the reported results.

Summary

The Tier II data validation of the analytical data from Laboratory Project No. 67495 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67514
Analysis Summary:

VPH/EPH	2/Soil Samples/LRA-6-A, LRA-10-A
	1/Aqueous Trip Blank Sample/Trip Blank

A Tier II data validation was performed on the analytical data for two (2) soil samples and one (1) aqueous trip blank sample collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of these samples was to determine the nature and extent of extractable petroleum hydrocarbons (EPH) and volatile petroleum hydrocarbons (VPH) contamination in the LRA area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against state of Massachusetts EPH and VPH method QC criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
*	Initial and Continuing Calibrations
*	Blank Samples
	Surrogate Compounds
*	Internal Standards
NA	Field Duplicate Samples
*	Laboratory Control Samples
*	Laboratory Duplicate Samples
	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to evaluate the suitability for disposal of soil removed from NAS-SOWEY Building 82. The data may also be used to determine the nature and extent of extractable petroleum hydrocarbons (EPH) and volatile petroleum hydrocarbons (VPH) contamination in the LRA area of the site. Overall, the data is useable for the project objectives as qualified below.

VPH Analysis

Surrogates

The surrogates in sample LRA-6-A were recovered low (FID = 67%, PID = 64%). The results for positive and non-detect results in sample LRA-6-A are qualified as estimated (J) due to potential low bias in the reported concentrations.

Matrix Spikes

The matrix spike samples had high recoveries for pentane (141%, 139%), 2-methylpentane (135%), n-decane (135%), C5-C8 aliphatics (134%) and c9-c12 aliphatics (133%). The positive result for c9-c18 aliphatics in sample LRA-6-A is qualified as estimated due to the potential high bias in the reported concentration.

EPH Analysis

No quality control issues identified.

Summary

The Tier II data validation of the analytical data from Laboratory Project No. 67514 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67722

Analysis Summary:

Metals/VOCs/VPH/EPH	3/Soil Samples/IV-B82-GTM1-01, IV-B82-GTM2-01, IV-B82-GTM3-01 1/Field Duplicate/IV-B82-GTM3-11 1/Trip Blank/Trip Blank (VOCs only)

A Tier II data validation was performed on the analytical data for three (3) soil samples, one (1) field duplicate sample and one (1) trip blank sample collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of these samples was to determine the nature and extent of metals contamination in the Building 82 area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH except for the metals analyses which were performed by TestAmerica Savannas of Savannah, GA under subcontract to Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
	Initial and Continuing Calibrations
*	Blank Samples
	Field Duplicate Samples
	Laboratory Control Samples
*	Laboratory Duplicate Samples
	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals contamination in the Building 82 area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for the project objectives as qualified in the tables below.

Laboratory Project No. 67722

Metals Analysis

Matrix Spikes

The matrix spike samples had low recoveries for aluminum, iron, magnesium and zinc and high recoveries for calcium and manganese. The post digestion spike had low recoveries for iron and zinc. The sample concentrations for aluminum, calcium, magnesium and iron are significantly higher than the spike amounts. The sample concentrations for zinc are 3 times the spike amounts. Sample results for zinc should be qualified as estimated (J) due to the potential low bias in the reported results.

Field Duplicates

The precision between the field duplicate samples is poor for magnesium, chromium and calcium. The reported results for calcium, chromium and magnesium in sample GTM3-01 and GTM3-11 are qualified as estimated (J) due to sample heterogeneity.

VOCs

Calibrations

The continuing calibration standard analyzed on 9/13/2010 had %D's for methyl iodide and vinyl acetate greater than 20%. The non-detect sample results for methyl iodide and vinyl acetate are qualified as estimated due to poor calibration verification.

Matrix Spikes

The matrix spike samples had high recoveries for methyl iodide and n-butylbenzene. No sample had a positive detection for methyl iodide and n-butylbenzene and no qualifiers are required.

Laboratory control samples

The laboratory control duplicate sample had a high recovery for methyl iodide. No qualifiers are required since all sample results are non-detect.

EPH

Matrix Spikes

The matrix spike samples had a high recovery for C-12. All other spike parameters were recovered within criteria. There is no impact on the data and no qualification is required.

Summary

Laboratory Project No. 67722

The Tier II data validation of the analytical data from Laboratory Project No. 67722 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67743

Analysis Summary:

Metals/VOCs/VPH/EPH 1/Soil Samples/IV-B82-GTM-4-01

A Tier II data validation was performed on the analytical data for one (1) soil sample collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of this sample was to determine the nature and extent of metals contamination in the Building 82 area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH except for the metals analyses which were performed by TestAmerica Savannas of Savannah, GA under subcontract to Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
	Initial and Continuing Calibrations
*	Blank Samples
NA	Field Duplicate Samples
	Laboratory Control Samples
*	Laboratory Duplicate Samples
	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals contamination in the Building 82 area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for the project objectives as qualified in the tables below.

Metals Analysis

Matrix Spikes

The matrix spike samples had low recovery for aluminum, calcium, iron, magnesium, manganese, mercury (MS only), vanadium and high recovery for zinc (MS only). The post digestion spike sample had low recovery for aluminum and iron. The sample concentrations for aluminum, iron, and magnesium are significantly higher (> 5x) than the spike amounts. Sample results for calcium, manganese, mercury, and zinc are qualified as estimated due to potential low bias in the reported concentrations and for vanadium due to a potential high bias in the reported concentration.

VOCs

Calibrations

The continuing calibration standard analyzed on 9/13/2010 had %D's for methyl iodide and vinyl acetate greater than 20%. The non-detect sample results for methyl iodide and vinyl acetate are qualified as estimated due to poor calibration verification.

Matrix Spikes

The matrix spike samples had high recoveries for methyl iodide and n-butylbenzene. No sample had a positive detection for methyl iodide and n-butylbenzene and no qualifiers are required.

Laboratory control samples

The laboratory control duplicate sample had a high recovery for methyl iodide. No qualifiers are required since all sample results are non-detect.

VPH

Laboratory control samples

The laboratory control duplicate sample had a low recovery for naphthalene. The positive result for naphthalene in sample IV-B82-GTM-4-01 is qualified as estimated (J) due to potential low bias in the reported concentration.

EPH

No quality control issues found.

Summary

Laboratory Project No. 67743

The Tier II data validation of the analytical data from Laboratory Project No. 67743 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67799

Analysis Summary:

PAHs	4/Soil Samples/C-B82-DC-B-1, C-B82-DC-B-2, C-B82-DC-B-3, C-B82-DC-B-4

A Tier II data validation was performed on the analytical data for four (4) soil sample collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of this sample was to determine the nature and extent of metals contamination in the Building 82 area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
*	Initial and Continuing Calibrations
*	Blank Samples
NA	Field Duplicate Samples
	Laboratory Control Samples
*	Laboratory Duplicate Samples
*	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals contamination in the Building 82 area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for the project objectives as qualified in the tables below.

PAHs

Laboratory Project No. 67799

Laboratory Control Samples

The precision between the LCS and the LCS duplicate samples was greater than 30% D for benz(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,30-cd)-pyrene, dibenz(a,h)anthracene and benzo(g,h,i)perylene. The recoveries and duplicate precision for the matrix spike and matrix spike duplicate samples for all compounds were within criteria. A review of the surrogate recoveries indicates that the recovery for the LCS duplicate sample were below the recoveries for all other samples. No qualifiers are applied.

Summary

The Tier II data validation of the analytical data from Laboratory Project No. 67799 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67833

Analysis Summary:

VPH/EPH	15/Soil Samples/C-B82-APN-B-01, C-B82-APN-B02, C-B82-APN-B-03, C-B82-APN-B-04, C-B82-APN-SW-05, C-B82-APN-SW-06, C-B82-APN-SW-07, C-B82-APN-SW-08, C-B82-APN-SW-09, C-B82-APN-SW-10, C-B82-APN-SW-11, C-B82-APN-SW-12, C-B82-APN-SW-13, C-B82-APN-SW-14, C-B82-APN-SW-15 1/Field Duplicate/C-B82-APN-B-04D

A Tier II data validation was performed on the analytical data for fifteen (15) soil samples and one (1) field duplicate sample collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of these samples was to determine the nature and extent of metals contamination in the Building 82 area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
*	Initial and Continuing Calibrations
*	Blank Samples
	Surrogate Compounds
*	Field Duplicate Samples
	Laboratory Control Samples
*	Laboratory Duplicate Samples
*	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals contamination in the Building 82 area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for

the project objectives as qualified below.

VPH

Surrogates

The surrogates in sample C-B82-APN-SW-09 were recovered low (< 70%). A re-extraction of the sample had low recovery for the FID surrogate. All non-detect results for the aliphatic ranges in sample C-B82-APN-SW-09 are qualified as estimated (J) due to potential low bias in the reported concentrations.

EPH

Laboratory control sample

The precision between the laboratory control sample and the laboratory control duplicate sample had a high %D (> 30%) for naphthalene. Laboratory control sample recoveries and matrix spike/matrix spike duplicate recoveries were all within criteria limits. The precision between the matrix spike and the matrix spike duplicate sample were within criteria limits for all compounds. No qualifiers are applied.

Summary

The Tier II data validation of the analytical data from Laboratory Project No. 67833 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67834

Analysis Summary:

TAL Metals/VOCs/VPH/EPH

14/Soil Samples/C-B82-GTM1-SW-01, C-B82-GTM1-SW-02, C-B82-GTM1-SW-03, C-B82-GTM1-SW-04, C-B82-GTM1-B-5, C-B82-GTM2-SW-01, C-B82-GTM2-SW-02, C-B82-GTM2-SW-03, C-B82-GTM2-SW-04, C-B82-GTM2-B-5, C-B82-GTM3-SW-01, C-B82-GTM3-SW-03, C-B82-GTM3-B-5, C-B82-GTM3-SW-04
1/Field Duplicate/ C-B82-GTM2-SW-04D
1/Trip Blank/Trip Blank (VOCs)

A Tier II data validation was performed on the analytical data for fourteen (14) soil samples, one (1) field duplicate sample and one (1) trip blank sample (VOCs only) collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of these samples was to determine the nature and extent of metals contamination in the Building 82 area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH except for the metals analyses which were performed by TestAmerica Savannas of Savannah, GA under subcontract to Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
- * Data Completeness
- * Preservation and Technical Holding Times
- * Instrument Performance
- * Initial and Continuing Calibrations
- Blank Samples
- * Surrogate Compounds
- * Field Duplicate Samples
- Laboratory Control Samples
- * Laboratory Duplicate Samples
- Matrix Spike/Matrix Spike Duplicate
- * Sensitivity Check
- * Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Laboratory Project No. 67834

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals contamination in the Building 82 area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for the project objectives as qualified below.

Metals

Blanks

Silver was detected in a laboratory blank sample at a concentration of 0.962 ug/L. Silver was not detected in any of the field samples and there is no impact on the usability of the data from the laboratory blank contamination.

Matrix Spikes

The matrix spike samples had high recoveries for aluminum, iron, magnesium, manganese, beryllium (MSD only), calcium and zinc. The matrix spike samples had low recoveries for silver. The post digestive spike sample had low recoveries for aluminum and iron. The sample concentrations for aluminum and iron and 4 times the amount spiked and there is no impact on the usability of the data for the poor matrix spike recovery. Positive sample results for beryllium, calcium, magnesium, manganese, and zinc are qualified as estimated for potential positive bias in the reported concentrations. The results are usable for project purposes.

VOCs

Blanks

The trip blank had detected concentrations for bromomethane (10.5 ug/kg), acetone (21 ug/kg), methyl iodide (1.4 ug/kg) and methylene chloride (12 ug/kg). A laboratory blank sample had detected concentrations for methyl iodide (1.3 ug/kg). Positive results for acetone and methylene chloride are all less than 2 times the concentrations detected in the trip blank and are qualified as non detect (U) due to potential blank contamination in the reported concentrations.

Laboratory control samples

Methyl iodide was recovered high (> 130%) in the laboratory control duplicate sample and tetrachloroethene was recovered high in the laboratory control and laboratory control duplicate samples. Methyl iodide and tetrachloroethene were not detected in any of the field samples and no qualification is required for the high LCS recoveries.

VPH

Laboratory Project No. 67834

Laboratory control samples

The precision between the laboratory control and the laboratory control duplicate samples was high (> 30% D) for naphthalene. The precision between the matrix spike and matrix spike duplicate samples are within the criteria limits and there is no impact on the usability of the data. No qualifiers are applied.

EPH

No quality control issues found

Summary

The Tier II data validation of the analytical data from Laboratory Project No. 67834 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

NAS SOWEY January 11, 2011
Building 82
Data Validation Report

Laboratory Project No. 67835

Analysis Summary:

VOCs/VPH/EPH	6/Soil Samples/C-B82-GTM4-SW-1, C-B82-GTM4-SW-2, C-B82-GTM4-SW-3, C-B82-GTM4-SW-4, C-B82-GTM4-B-5, C-B82-GTM3-SW-2

A Tier II data validation was performed on the analytical data for six(6) soil samples collected by Tetra Tech EC, Inc. from the former Naval Air Station – South Weymouth. The purpose of these samples was to determine the nature and extent of metals contamination in the Building 82 area of the site. The analyses were performed by Analytics Environmental Laboratory of Portsmouth, NH. This validation includes a review of the analytical results against EPA Region I Tier II QC criteria and MA MCP criteria.

The analytical data were evaluated based on the following parameters:

	Overall Evaluation of Data and Potential Usability Issues
*	Data Completeness
*	Preservation and Technical Holding Times
*	Instrument Performance
*	Initial and Continuing Calibrations
*	Blank Samples
*	Surrogate Compounds
NA	Field Duplicate Samples
	Laboratory Control Samples
*	Laboratory Duplicate Samples
	Matrix Spike/Matrix Spike Duplicate
*	Sensitivity Check
*	Sample Quantitation and Sample Reporting Limits

* - All criteria were met for this parameter

Overall Evaluation of Data and Potential Usability Issues:

This data will be used to determine the nature and extent of metals contamination in the Building 82 area of the site. The data may also be used to evaluate remedial action effectiveness and determine whether additional remedial measures are warranted. Overall, the data is useable for the project objectives as qualified in the tables below.

VOCs

Laboratory control samples

The laboratory control duplicate sample had high recovery for methyl iodide. No qualification is required for the non-detect data for methyl iodide in the field samples.

Matrix spikes

The matrix spike samples had low recoveries for methylene chloride, vinyl acetate, hexachlorobutadiene and 1,2,3-trichlorobenzene and the matrix spike duplicate sample had low recoveries for methylene chloride and vinyl acetate. Positive and non-detect results for hexachlorobutadiene, methylene chloride, 1,2,3-trichlorobenzene and vinyl acetate are qualified as estimated due to the potential low bias in the reported concentrations.

VPH

No quality control issues found

EPH

No quality control issues found

Summary

The Tier II data validation of the analytical data from Laboratory Project No. 67835 found several minor deviations from the Quality Control criteria as noted above. Overall, the data is usable for project related decisions as qualified above.

_____	Sr. Chemist	_____
Validator – Keir Craigie	Title	Date

Appendix F
Waste Transportation and Disposal Documentation

SPIEGEL № 1039

Spiegel Scrap Metals, Inc.
Buyers of Ferrous & Non Ferrous Metals
175 East Ashland Street
[illegible]ckton, MA 02302
[illegible]ee: 1-888-Scrap23

[illegible] 2-7-10

Customer Weymouth Air Station

Gross 48900 Product [illegible]

Tare 36920

Net 11980 = Tons 5.95

[illegible]

Transporting any unauth[illegible] hazard[illegible]ste to this facility for disposal prohibited [illegible] violation this prohibition are subje[illegible]inal prosecution.

Weighed By _____ Driver On ☐ Off ☐

spiegelscrap.com

So. Weymouth N.A.S.
Salvage / Scrap of
Lead

PAYMENT RECEIPT

Atlantic Metal Recycling
Casoli Industrial Park
Hanson, MA 02341
781-294-1900

Receipt: 101858 **Date:** 12/13/2010
Customer: 9999999 **Time:** 12:05
A VALUED CUSTOMER

Ticket: 101911 **Weigh In:** 12/13/2010 11:59
Operator: 9 **Weigh Out:** 12/13/2010 12:05
Description: GEORGE

All weights in pounds. M indicates manual weight

Commodity	Gross	Tare	Net	Price	TOTAL $
Lead Scrap	340.0 M	0.0	340.0	0.400/LB	$136.00
				Ticket Total	**$136.00**

# of Tickets: 1

Paid by EZCash

Total Paid **$136.00**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MA2170022022
2. Page 1 of: 1
3. Emergency Response Phone: 800 965-1102
4. Manifest Tracking Number: 001038792 GBF

5. Generator's Name and Mailing Address
US Naval Air Station PO BOX 167
1134 Main St.
South Weymouth MA 02190
Attn: David Barney
Generator's Site Address (if different than mailing address)
Former Naval Air Station - South Weymouth
Building 82
South Weymouth MA 02190
Generator's Phone: 617 753-4656

6. Transporter 1 Company Name: ENPRO SERVICES, INC
U.S. EPA ID Number: MAD980670004

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
ENPRO SERVICES OF VERMONT, INC. CKV
54 AVENUE D
WILLISTON VT 05495
U.S. EPA ID Number: VTR000517052
Facility's Phone: 802 860-1200

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ NA3077, Hazardous waste, solid, n.o.s.(lead), 9, PGIII	003	DM	[illegible]	P	D008
	2. NON DOT, NON RCRA REGULATED MATERIAL	001	DM	[illegible]	G	MA99 VT99
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1)(S,L) lead contaminated soil ERG#171 2)(L) wash water EM CONTACT: ENPRO SERVICES, INC - 24 HOURS - (800) 965-1102
ENPRO JOB# 7676-10

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: DAVID BARNEY
Signature:
Month Day Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only). Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name
Signature
Month Day Year
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

www.enpro.com www.tsdf.com www.hazardouswaste.com www.hazardouswaste.com www.tsdf.com www.enpro.com www.hazardouswaste.com

ENPRO Land Disposal Restriction Form

Generator Name & Location: US Naval Air Station- Building #82 S. Weymouth, MA

ENPRO Job#: 7676-10

EPA ID # MA2170022022

Manifest # 001038792GBF

Waste Analysis Available:

Transporter: ENPRO Services, Inc.

(A) Manifest Line Item (Line #)	(B) Profile#	(C) Non-Regulated List State Code if not regulated by RCRA	(D) RCRA Waste Codes (List all that apply)	(E) Treatability Group Circle One: NWW >1% TOC & >1% TSS	(F) F001-F005 Regulated Constituent (List numbers from Table 1)	(G) UHC's (See Table 2)
9b.(1)	SOWEY-001		D008	NWW		185

How must the waste streams above be managed? (Please check appropriate box(s) below)

X The wastes identified above must be treated to meet the applicable treatment standards in 40 CFR 268.40 in accordance with 40 CFR 268.7 (a) (2).

☐ The waste identified above is hazardous waste contaminated soil and does / does not require treatment to meet the soil treatment standards as provide by 40 CFR 268.49 (c).

☐ This hazardous debris identified above must be treated to the alternative treatment standards in 40 CFR 268.45

☐ Lab Pack wastes subject to alternative treatment standards under 40 CFR 268.42 (c).

I certify under penalty of law that the above information is accurate and true to the best of my knowledge and that the above information complies with all applicable LDR Certifications required under the 40 CFR.

Signature: [signature]

Date 22 Dec 2010

Print Name: DAVID BARNEY

	umn F)
	yl Alcohol
	arbon Disulfide
5	Carbon Tetra chloride
6	Chlorobenzene
7	Cresols(o,m, or p isomers)
8	Cresylic Acid
9	Cyclohexanone
10	1,2-Dichlorobenzene
11	Ethyl Acetate
12	Ethyl Benzene
13	Ethyl Ether
14	Isobutanol
15	Methanol
16	Methylene Chloride
17	Methly Ethyl Ketone
18	Methyl Isobutyl Ketone
19	Nitorbenzene
20	Pyridine
21	Tetrachloroethlyene
22	Toulene
23	1,1,1-Trichloroethane
24	1,1,2-Trichloroethane
25	Trichloroethylene
26	Trichlorofluoromethane
27	Xylene (Total)
28	1,1,2-Trichloro-1,2,2-Trifluoroethane

	Table 2 (for column G)
1	A2213
2	Acenaphthylene
3	Acenaphthene
4	Acetone
5	Acetonitrile
6	Acetophenone
7	2-Acetylaminofluorene
8	Acrolein
9	Acrylamide
10	Acrylonitrile
11	Aldicarb sulfone
12	Aldrin
13	4-Aminobiphenyl
14	Aniline
15	Anthracene
16	Aramite
17	alpha-BHC
18	beta-BHC
19	delta-BHC
20	gamma-BHC
21	Barban
22	Bendiocarb
23	Bendiocarb Phenol
24	Benomyl
25	Benzene
26	Benz(a)anthracene
27	Benzal chloride
28	Benzo(b)fluoranthene
29	Benzo(k)fluoranthene
30	Benzo(g,h,i)perylene
31	Benzo(a)pyrene

32	Bromodichloromethane
33	Bromomethane
34	4-Bromophenyl phenyl ether
35	n-Butyl alcohol
36	Butylate
37	Butyl benzyl phthalate
38	2-sec-Butyl-4,6-dinitrophenol/Dinoseb
39	Carbaryl
40	Carbenzadim
41	Carbofuran
42	Carbofuran phenol
43	Carbon disulfide
44	Carbon Tetrachloride
45	Carbosulfan
46	Chlordane(alpha and gamma isomers)
47	p-Chloroaniline
48	Chlorobenzene
49	Chlorobenzilate
50	2-Chloro-1,3-butadiene
51	Chlorodibromomethane
52	Chloroethtane
53	Bis(2-Chloroethoxy)methane
54	Butyl benzyl phtalate
55	2-sec-Butyl-4,6-dinitrophenol
56	Bis(2-chloroethyl)ether
57	Chloroform
58	Bis(2-chloroisopropyl)ether
59	p-Chloro-m-cresol
60	2-Chloroethyl vinyl ether
61	Chloromethane
62	2-Chloronaphthalene
63	2-Chlorophenol
64	3-Chloropropylene
65	Chrysene
66	o-Cresol
67	m-Cresol
68	p-Cresol
69	m-Cumenyl methylcarbamate
70	Cyclohexanone
71	o,p[prime]-DDD
72	p,p[prime]-DDD
73	o,p[prime]-DDE
74	p,p[prime]-DDE
75	o,p[prime]-DDT
76	p,p[prime]-DDT
77	Dibenz(a,h)anthracene
78	Dibena(a,e)pyrene
79	1,2,Dibromo-3-chloropropane
80	1,2-Dibromomethane
81	Dibromomethane
82	m-Dichlorobenzene
83	o-Dichlorobenzene
84	p-Dichlorobenzene
85	Dichlorodifluoromethane
86	1,1-Dichloroethane
87	1,2-Dichloroethane
88	1,1-Dichloroethylene
89	Trans-1,2-Dichloroethylene
90	2,4-Dichlorophenol
91	2,6-Dichlorophenol

92	2,4-Dichlrophenoxyacetic acid
93	1,2-Dichloropropane
94	Cis-1,3-Dichloropropylene
95	Tans-1,3-Dichloropropylene
96	Dieldrin
97	Diethylene Glycol, dicarbamate
98	Diethyl phthalate
99	p-Dimehtylaminoazobenzene
100	2,4-Dimethyl phenol
101	Dimethyl phthalate
102	Dimetilan
103	Di-n-butyl phthalate
104	1,4-Dinitorbenzene
105	4,8-Dintro-o-cresol
106	2,4-Dinitrophenol
107	2,4-Dinitrotoulene
108	2,6-Dintrotoulene
109	Di-n-octyl phthalate
110	Di-n-propylnitrosamine
111	1,4-Dioxane
112	Diphenylamine
113	Dipheylnitrosamine
114	1,2-Diphenylhydrazine
115	Disulfoton
118	Dithiocarbamates (total)
117	Endosulfan I
118	Endosulfan II
119	Endosulfan sulfate
120	Endrin
121	Endrin aldehyde
122	EPTC
123	Ethyl acetate
124	Ethyl benzene
125	Ethyl cyanide
126	Ethyl ether
127	Bis(2-Ethylhexyl)phthalate
128	Ethyl methacrylate
129	Ethylene oxide
130	Famphur
131	Fluoranthene
132	Fluorene
133	Formetanate hydrochloride
134	Formaparanate
135	Heptachlor
136	Heptachlor epoxide
137	Hexachlorobenzene
138	Hexachlorobutadiene
139	Hexachlorocyclopentadiene
140	All Hexachlorodibenzo-p-dioxins
141	All Hexachlorodibenzofurans
142	Hexachloroethane
143	Hexachloropropylene
144	Indeno (1,2,3-c,d)pyrene
145	Iodomethane
146	Isobutyl alcohol
147	Isodrin
148	Isolan
149	Isosafrole
150	Kepone
151	Methacrylonitrile

152	Methanol
153	Methapyrilene
154	Methiocarb
155	Methomyl
156	Methoxychlor
157	3-Methylcholanthrene
158	4,4-Methylene bis(2-chloroaniline)
159	Methylene Chloride
160	Methyl Ethyl Ketone
161	Methyl isobutyl ketone
162	Methyl methacrylate
163	Methyl methanesulfonate
164	Methyl parathion
165	Metolcarb
166	Mexacarbate
167	Molinate
168	Naphthalene
169	2-Naphthylamaine
170	o-Nitroaniline
171	p-Nitroaniline
172	Nitrobenzene
173	5-Nitro-o-toluidine
174	o-Nitrophenol
175	p-Nitrophenol
176	N-Nitrosodiethylamine
177	N-Nitrosodimethylamine
178	N-Nitroso-di-n-butylamine
179	N-Nitrosomethylethylamine
180	N-Nitrosomorpholine
181	N-Nitrosopiperidine
182	N-Nitrosopyrrolidine
183	Oxamyl
184	Parathion
185	Total PCB's
186	Pebulate
187	Pentachlorobenzene
188	All pentachlorodibenzo-p-dioxins
189	All pentachlorodibenzofurans
190	Pentachloroethane
191	Pentachloronitrobenzene
192	Pentachlorophenol
193	Phenacetin
194	Phenanthrene
195	Phenol
196	o-phenylenediamine
197	Phorate
198	Phthalic acid
199	Phthalic anhydride
200	Physostigmine
201	Physostigmine salicylate
202	Promecarb
203	Pronamide
204	Propham
205	Propoxur
206	Prosulfocarb
207	Pyrene
208	Pyridine
209	Safrole
210	Silvex/2,4,5-TP
211	1,2,4,5-Tetrachlorobenzene

212	All Tetrachlorodibenzo-p-dioxins
213	All Tetrachlorodibenzofurans
214	1,1,1,2-Terachloroethane
215	1,1,2,2,-Tetrachloroethane
216	Tetrachloroethylene
217	2,3,4,6-Tetrachlorophenol
218	Thiodicarb
219	Thiophanate-methyl
220	Tirpate
221	Toulene
222	Toxaphene
223	Trialiate
224	Tribromomethane/Bromoform
225	2,4,6-Tribromophenol
226	1,2,4-Trichlorobenzene
227	1,1,1-Trichloroethane
228	1,1,2,-Trichloroethane
229	Trichloroethylene
230	Trichlorofluoromethane
231	2,4,5-Trichlorophenol
232	2,4,6-Trichlorophenol
233	2,4,5-Trichlorophenoxyacetic acid/2,4,5-T
234	1,2,3-Trichloropropane
235	1,1,2-Trichloro-1,2,2trifluroethane
236	Triethylamine
237	tris-(2,3,-Dibromopropyl) phosphate
238	Vernolate
239	Vinyl chloride
240	Xylenes-mixed isomers (sum of o-,m-,p- concentrations)
241	Antimony
242	Arsenic
243	Barium
244	Beryllium
245	Cadmium
246	Chromium (total)
247	Cyanides (total)
248	Lead
249	Mercury-Nonwastewater from Retort
250	Mercury-All others
251	Nickel
252	Silver
253	Thallium
254	Zinc

ENPRO

Newburyport, MA

NON-TSCA PCB CERTIFICATION

Generator: US Naval Air Station

Site Address: Former Naval Air Station - Building 82
South Weymouth, MA 02190

EPA ID#: MA2170022022

I hereby certify that the Polychlorinated Biphenyls(PCB's) contained in this waste material were not generated as a result of contact with or dilution of PCB's at concentrations greater than or equal to 50 mg/kg(ppm).

Name: DAVID BARNEY

Title: BRAC ENV COORD

Signature:

ENPRO Land Disposal Restriction Form

Generator Name & Location: US Naval Air Station- Building #82 S. Weymouth. MA

ENPRO Job#: 7676-10

EPA ID # MA2170022022

Manifest # 001038792GBF

Waste Analysis Available:

Transporter: ENPRO Services, Inc.

(A) Manifest Line Item (Line #)	(B) Profile#	(C) Non-Regulated List State Code if not regulated by RCRA	(D) RCRA Waste Codes (List all that apply)	(E) Treatability Group Circle One: NWW:>1% TOC & >1% TSS	(F) F001-F005 Regulated Constituent (List numbers from Table 1)	(G) UHC's (See Table 2)
9b.(1)	SOWEY-001		D008	NWW		

How must the waste streams above be managed? (Please check appropriate box(s) below)

X The wastes identified above must be treated to meet the applicable treatment standards in 40 CFR 268.40 in accordance with 40 CFR 268.7 (a) (2).

☐ The waste identified above is hazardous waste contaminated soil and does / does not require treatment to meet the soil treatment standards as provide by 40 CFR 268.49 (c).

☐ This hazardous debris identified above must be treated to the alternative treatment standards in 40 CFR 268.45

☐ Lab Pack wastes subject to alternative treatment standards under 40 CFR 268.42 (c).

I certify under penalty of law that the above information is accurate and true to the best of my knowledge and that the above information complies with all applicable LDR Certifications required under the 40 CFR.

Signature: [signature]

Date 12/22/10

Print Name: DAVID BARNEY

Waste Information Profile Form

ENPRO Services of Maine, Inc.
106 Main Street
S. Portland, ME 04106
Phone: 207.799.0850 Fax: 207.779.5565
MED019051069

ENPRO Services of Vermont, Inc
54 Avenue D
Williston, VT 05495
Phone: 802.860.1200 Fax: 802.860.7202
VTR000517052

Profile #: SOWEY-001 **Process Code:** _____ **Approval Code:** _____

1. Generator Information:
Generator Name: US Naval Air Station
Mailing Address: 1134 Main St.
City: South Weymouth State: MA Zip: 02190 Phone: 617-753-4656
Site Address: Building 82
City: South Weymouth State: MA Zip: 02190
Technical Contact: David Barney Phone: 617-753-4656
Site EPA ID: MA2170022022 NAICS Code:

2. Billing Information:
Customer Name: ENPRO Services, Inc.
Address: 12 Mulliken Way
City: Newburyport State: MA Zip: 01950
Billing Contact: _____ Email: _____
Phone: (978) 465-1595 Fax: (978) 465-2050

3. Waste Description:
Common Name of Waste: lead contaminated soil
Process Generating Waste Clean out of soil in Hanger #2 drain pipe

4. Physical & Chemical Properties
Color: Varies Odor ☒ None ☐ Mild ☐ Strong Describe: None

Flash Point (F°)	BTU/lb		Free Liquids? ☐Yes ☒ No
☐ <100	☒ <2000	☒ Solid	100.00 % Solids 0.00 % Liquids
☐ ≥100-140	☐ 2,000-6,000	☐ Liquid	Will waste dump out of drums? ☒Yes ☐ No
☐ ≥140-200	☐ >6,000-10,000	☐ Sludge	Is the waste pumpable? ☐Yes ☒ No
☒ >200	☐ >10000	☐ Semi-solid	Debris?(List type in Section 7) ☐Yes ☒ No
☐ N/A	☐ N/A	☐ Powder	Is the waste dusty? ☐Yes ☒ No
		☐ Gas	

Specific Gravity	Viscosity	pH	Other Components	
☐ < 0.8 (Light oil)	☐ Low (Water)	☐ ≤2.0	Total cyanides	(ppm) 0.00
☐ 0.8-1.0 (Water based)	☐ Med (Pump on)	☐ >2.0-5	Total sulfides	(ppm) 0.00
☐ > 1.0 (Chlorinated Solvents)	☐ High (Molasses)	☒ >5-9	PCBs	(ppm) 0.00
☒ N/A	☒ N/A	☐ >9-12.49	Total Halogens /HOC	(%) 0.00
		☐ ≥ 12.5	Total VOC	(ppm) 0.00

5. Hazardous Properties: (Check all that apply)

☒ None	☐ Radioactive	☐ Pyrophoric	☐ Oxidizer
☐ Water Reactive	☐ Dioxins	☐ Explosive	☐ Medical Waste/Infectious
☐ Shock Sensitive	☐ Air Reactive	☐ Reactive Cyanide	☐ Reactive Sulfide
☐ Asbestos	☐ Benzene NESHAP	☐ Pesticide/Herbicide	☐ Peroxide Forming Compound

6. Regulatory Status (Check all that apply)

Y	N	
☒	☐	USEPA Hazardous Waste per 40 CFR 261 (If yes list codes) D008
☐	☒	Do any state waste codes apply? (If yes list codes) _____
☒	☐	Is this waste subject to land ban restrictions ?
		Is this a ☐ wastewater ☒ non wastewater
☒	☐	If DOO1-D043, are any underlying hazardous constituents (UHC) present
☐	☒	Does this waste contain VOC's ≥ 500 ppm (subpart CC)

Form Code W301 Source Code G19

ENPRO

Profile #: SOWEY-001

7. Composition of Waste: (List all haz. And non-haz. Constituents)

SOIL/SLUDGE/SEDIMENT	99.00 - 100.00%	
Lead	≤0.01 - <0.01%	
Polychlorinated Biphenyls(PCB's)	5.77 mg/kg	
Chromium	0.00 - <0.01%	
	- %	
	- %	
	- %	
	- %	
	- %	
	- %	

8. DOT Shipping Information: (include PG, UN/NA, and Haz. Class)

NA3077, Hazardous waste, solid, n.o.s.(lead)

9, PGIII

Poison Inhalation Hazard: ☐ YES ☒ NO Zone: _____

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drums ☐ Other Container type size: 55 Gallon Metal Drum

Volume per shipment: 3 ☐ Gallons ☐ Tons ☐ Drums ☒ Other P

Frequency: ☐ One Time ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____

Does this material require any special handling? ☐ Yes ☒ No If yes, explain:

9. Inorganic Metals: ☐ None ☒ TCLP ☐ Totals ☐ Generator Knowledge in mg/l

D004 Arsenic (5mg/l)	0.00	D011 Silver (5mg/l)	0.00	Manganese	0.00
D005 Barium (100mg/l)	0.00	Aluminum	0.00	Molybdenum	0.00
D006 Cadmium (1mg/l)	0.00	Antimony	0.00	Nickle	0.00
D007 Chromium (5mg/l)	0.20	Beryllium	0.00	Thallium	0.00
D007 Chromium-Hex	0.00	Cobalt	0.00	Tin	0.00
D008 Lead (5mg/l)	7.30	Copper	0.00	Zinc	0.00
D009 Mercury (0.2mg/l)	0.00				
D010 Selenium (1mg/l)	0.00				

10. Organic Compounds ☒ None ☐ TCLP ☐ Totals ☐ Generator Knowledge in mg/l

D012 Endrin (0.02)	0.00	D023 o-Cresol (200)	0.00	D034 Hexachloroethane (3.0)	0.00
D013 Lindane (0.4)	0.00	D024 m-Cresol (200)	0.00	D035 Methyl ethyl ketone (200)	0.00
D014 Methoxychlor (10)	0.00	D025 p-Cresol (200)	0.00	D036 Nitrobenzene (2)	0.00
D015 Toxaphene (0.5)	0.00	D026 Cresol (200)	0.00	D037 Pentachlorophenol (100)	0.00
D016 2,4-D (10)	0.00	D027 1,4-Dichlorobenzene (7.5)	0.00	D038 Pyridine (5)	0.00
D017 2,4,5 TP Silvex (1)	0.00	D028 1,2- Dichloroethane (0.5)	0.00	D039 Tetrachloroethylene (0.7)	0.00
D018 Benzene (0.5)	0.00	D029 1,1-Dichloroethylene (0.7)	0.00	D040 Trichloroethylene	0.00
D019 Carbon Tetrachloride (0.5)	0.00	D030 2,4 Dinitrotoluene (0.3)	0.00	D041 2,4,5-Trichlorophenol	0.00
D020 Chlordane (0.03)	0.00	D031 Heptachlor (& epoxide) (0.008)	0.00	D042 2,4,6-Trichlorophenol	0.00
D021 Chlorobenzene (100)	0.00	D032 Hexachlorobenzene (0.13)	0.00	D043 Vinyl Chloride	0.00
D022 Chloroform (6.0)	0.00	D033 Hexachlorobutadiene (0.5)	0.00		

11. Attached Documents: ☒ Lab Data ☐ MSDS ☐ Packing List ☐ Other

12. Generator Certification: I hereby certify that I am the agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete description of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify ENPRO of any changes in generator status, any information on this form, or any information on attachments. This certification and signature apply to this form, to all attachments checked in Section 11, and to the land disposal restriction notification (LDR) generated from this information.

Signature	Printed Name	Title	Date
[signature]	DAVID BARNES	BEC	12/22/10

Waste Information Profile Form

ENPRO

ENPRO Services of Maine, Inc.
106 Main Street
S. Portland, ME 04106
Phone: 207.799.0850 Fax: 207.779.5565
MED019051069

ENPRO Services of Vermont, Inc
54 Avenue D
Williston, VT 05495
Phone: 802.860.1200 Fax: 802.860.7202
VTR000517052

Profile #: SOWEY-002 **Process Code:** _____ **Approval Code:** _____

1. Generator Information:
Generator Name: US Naval Air Stattion
Mailing Address: 1134 Main St.
City: South Weymouth State: MA Zip: 02190 Phone: 617-753-4656
Site Address: Building 82
City: South Weymouth State: MA Zip: 02190
Technical Contact: David Barney Phone: 617-753-4656
Site EPA ID: MA2170022022 NAICS Code:

2. Billing Information:
Customer Name: ENPRO Services, Inc.
Address: 12 Mulliken Way
City: Newburyport State: MA Zip: 01950
Billing Contact: _____ Email: _____
Phone: (978) 465-1595 Fax: (978) 465-2050

3. Waste Description:
Common Name of Waste: wash water
Process Generating Waste Decon from clean out of soil in Hanger #2 drain pipe

4. Physical & Chemical Properties
Color: Clear Odor ☒ None ☐ Mild ☐ Strong Describe: None

Flash Point (F°)	BTU/lb		Free Liquids? ☒Yes ☐ No
☐ <100	☒ <2000	☐ Solid	0.00 % Solids 100.00 % Liquids
☐ ≥100-140	☐ 2,000-6,000	☒ Liquid	Will waste dump out of drums? ☒Yes ☐ No
☐ ≥140-200	☐ >6,000-10,000	☐ Sludge	Is the waste pumpable? ☐Yes ☒ No
☒ >200	☐ >10000	☐ Semi-solid	Debris?(List type in Section 7) ☐Yes ☒ No
☐ N/A	☐ N/A	☐ Powder	Is the waste dusty? ☐Yes ☒ No
		☐ Gas	

Specific Gravity	Viscosity	pH	Other Components	
☐ < 0.8 (Light oil)	☒ Low (Water)	☐ ≤ 2.0	Total cyanides	(ppm) 0.00
☐ 0.8-1.0 (Water based)	☐ Med (Pump on)	☐ >2.0-5	Total sulfides	(ppm) 0.00
☐ > 1.0 (Chlorinated Solvents)	☐ High (Molasses)	☒ >5-9	PCBs	(ppm) 0.00
☒ N/A	☐ N/A	☐ >9-12.49	Total Halogens /HOC	(%) 0.00
		☐ ≥ 12.5	Total VOC	(ppm) 0.00

5. Hazardous Properties: (Check all that apply)

☒ None	☐ Radioactive	☐ Pyrophoric	☐ Oxidizer
☐ Water Reactive	☐ Dioxins	☐ Explosive	☐ Medical Waste/Infectious
☐ Shock Sensitive	☐ Air Reactive	☐ Reactive Cyanide	☐ Reactive Sulfide
☐ Asbestos	☐ Benzene NESHAP	☐ Pesticide/Herbicide	☐ Peroxide Forming Compound

6. Regulatory Status (Check all that apply)

Y	N	
☐	☒	USEPA Hazardous Waste per 40 CFR 261 (If yes list codes) _____
☐	☒	Do any state waste codes apply? (If yes list codes) _____
☐	☒	Is this waste subject to land ban restrictions ?
		Is this a ☐ wastewater ☐ non wastewater
☐	☒	If DOO1-D043, are any underlying hazardous constituents (UHC) present
☐	☒	Does this waste contain VOC's ≥ 500 ppm (subpart CC)

Form Code W101 Source Code G19

ENPRO

Profile #: SOWEY-002

7. Composition of Waste: (List all haz. And non-haz. Constituents)

Water	99.00 - 100.00%		- %
Polychlorinated Biphenyls(PCB's)	0.00 - 0.00 %		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %
	- %		- %

8. DOT Shipping Information: (include PG, UN/NA, and Haz. Class)

NON DOT, NON RCRA REGULATED MATERIAL

Poison Inhalation Hazard: ☐ YES ☒ NO Zone: _____

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Solid ☒ Drums ☐ Other Container type size: 55 Gallon Metal Drum

Volume per shipment: 1 ☒ Gallons ☐ Tons ☐ Drums ☐ Other _____

Frequency: ☐ One Time ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____

Does this material require any special handling? ☐ Yes ☒ No If yes, explain:

9. Inorganic Metals: ☒ None ☐ TCLP ☐ Totals ☐ Generator Knowledge in mg/l

D004 Arsenic (5mg/l)	0.00	D011 Silver (5mg/l)	0.00	Manganese	0.00
D005 Barium (100mg/l)	0.00	Aluminum	0.00	Molybdenum	0.00
D006 Cadmium (1mg/l)	0.00	Antimony	0.00	Nickle	0.00
D007 Chromium (5mg/l)	0.00	Beryllium	0.00	Thallium	0.00
D007 Chromium-Hex	0.00	Cobalt	0.00	Tin	0.00
D008 Lead (5mg/l)	0.00	Copper	0.00	Zinc	0.00
D009 Mercury (0.2mg/l)	0.00				
D010 Selenium (1mg/l)	0.00				

10. Organic Compounds ☒ None ☐ TCLP ☐ Totals ☐ Generator Knowledge in mg/l

D012 Endrin (0.02)	0.00	D023 o-Cresol (200)	0.00	D034 Hexachloroethane (3.0)	0.00
D013 Lindane (0.4)	0.00	D024 m-Cresol (200)	0.00	D035 Methyl ethyl ketone (200)	0.00
D014 Methoxychlor (10)	0.00	D025 p-Cresol (200)	0.00	D036 Nitrobenzene (2)	0.00
D015 Toxaphene (0.5)	0.00	D026 Cresol (200)	0.00	D037 Pentachlorophenol (100)	0.00
D016 2,4-D (10)	0.00	D027 1,4-Dichlorobenzene (7.5)	0.00	D038 Pyridine (5)	0.00
D017 2,4,5 TP Silvex (1)	0.00	D028 1,2- Dichloroethane (0.5)	0.00	D039 Tetrachloroethylene (0.7)	0.00
D018 Benzene (0.5)	0.00	D029 1,1-Dichloroethylene (0.7)	0.00	D040 Trichloroethylene	0.00
D019 Carbon Tetrachloride (0.5)	0.00	D030 2,4 Dinitrotoluene (0.3)	0.00	D041 2,4,5-Trichlorophenol	0.00
D020 Chlordane (0.03)	0.00	D031 Heptachlor (& epoxide) (0.008)	0.00	D042 2,4,6-Trichlorophenol	0.00
D021 Chlorobenzene (100)	0.00	D032 Hexachlorobenzene (0.13)	0.00	D043 Vinyl Chloride	0.00
D022 Chloroform (6.0)	0.00	D033 Hexachlorobutadiene (0.5)	0.00		

11. Attached Documents: ☒ Lab Data ☐ MSDS ☐ Packing List ☐ Other

12. Generator Certification: I hereby certify that I am the agent of the generator, and warrant on behalf of the generator, that all information submitted herein and attached documentation contains true, accurate and complete description of this material. Any sample submitted for analysis is representative of the material being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I will notify ENPRO of any changes in generator status, any information on this form, or any information on attachments. This certification and signature apply to this form, to all attachments checked in Section 11, and to the land disposal restriction notification (LDR) generated from this information.

Signature	Printed Name	Title	Date
[signature]	DAVID [illegible]	BEC	12/22/10

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MA 2 1 7 0 0 3 2 0 2 2
2. Page 1 of 1
3. Emergency Response Phone: 800 966-1102
4. Manifest Tracking Number: [illegible] GBF

5. Generator's Name and Mailing Address
US Naval Air Station PO BOX 160
1134 Main St.
South Weymouth MA 02190
Generator's Phone: 6 1 7 7 5 3 - 4 6 5 6

Generator's Site Address (if different than mailing address)
Former Naval Air Station (South Weymouth)
Building 92
South Weymouth MA 02190

6. Transporter 1 Company Name: ENPRO SERVICES, INC.
U.S. EPA ID Number: M A D 9 8 0 6 7 0 0 0 4

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
ENPRO SERVICES OF VERMONT, INC.
54 AVENUE D
WILLISTON VT 05495
Facility's Phone: 802 860-1200
U.S. EPA ID Number: V T R 0 0 0 5 1 7 0 6 2

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ NA3077, Hazardous waste, solid, n.o.s.(lead), 9, PGIII	003	DM	300	P	D008
	2. NON DOT, NON RCRA REGULATED MATERIAL	001	DM	20	P	M099 V199
	3.					
	4.					

14. Special Handling Instructions and Additional Information 1)(S,E) lead contaminated soil [illegible] 2) [illegible] waste water [illegible]
SERVICES, INC. - 24 HOURS - (800) 966-1102
[illegible]
ENPRO JOB# [illegible]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] Signature: [illegible] Month [illegible] Day [illegible] Year [illegible]

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Don Lounsby Signature: [illegible] Month [illegible] Day [illegible] Year [illegible]
Transporter 2 Printed/Typed Name: Signature: Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. H141 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Jeffrey A. Baker Signature: [illegible] Month 12 Day 30 Year 10

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

www.hazardouswaste.com www.enpro.com www.tsdf.com www.hazardouswaste.com